ENVIRONMENTAL REPORT

CHAPTER 2

ENVIRONMENTAL DESCRIPTION

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2.0 ENVIRONMENTAL DESCRIPTION

2.1 STATION LOCATION

The proposed new nuclear power plant, {Bell Bend Nuclear Power Plant (BBNPP),} will be located {west of the existing nuclear power plant, Susquehanna Steam Electric Station (SSES) Units 1 and 2 in Salem Township, Luzerne County, Pennsylvannia. The site boundaries are} as shown in Figure 2.1-1.

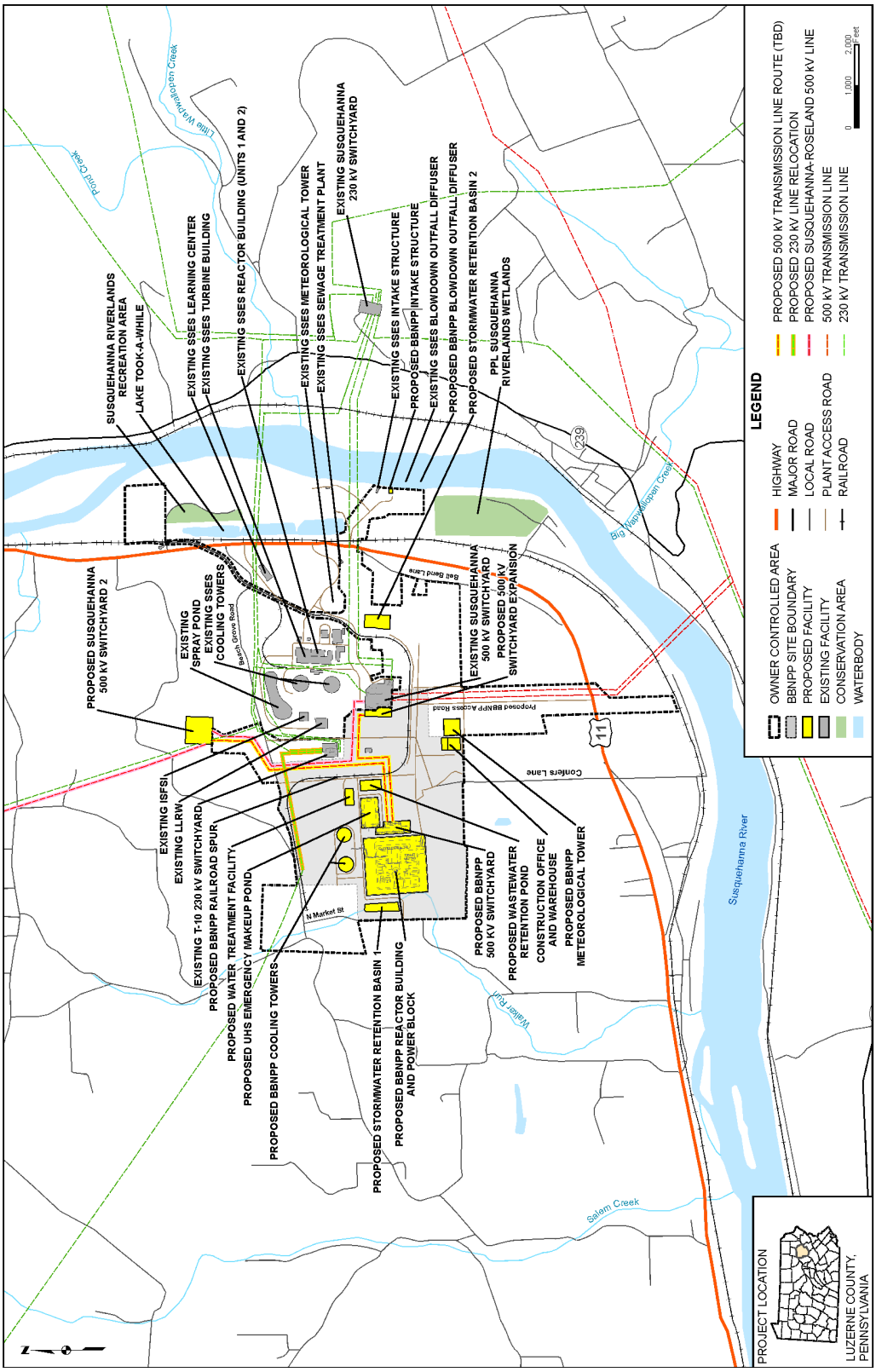
{The BBNPP site is approximately 5 miles (8 km) northeast of the Borough of Berwick, Pennsylvania. It is adjacent to U.S. Route 11. The site is 1.5 mi (2.4 km) to the north and west of the north branch of the Susquehanna River.

The site is approximately 115 miles north west of Philadelphia, Pennsylvania. The North American Datum of 1983 (NAD 83) Geodetic coordinates of the center of the BBNPP Containment Building are latitude 41º 05' 12" North and longitude 76º 09' 54" West. The NAD 83 Universal Transverse Mercator (UTM) coordinates for the center of the BBNPP Containment Building are the UTM Zone 18N (78W to 72W), North 4,549,017 and East 402,157.}

The 50 mi (80 km) region around the {BBNPP} site is shown in Figure 2.1-2 while the 8 mi (13 km) vicinity is shown in Figure 2.1-3. A high oblique aerial photograph of the {BBNPP} site is shown in Figure 2.1-4.

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Figure 2.1-1 {BBNPP Site and Proposed New Plant Layout}



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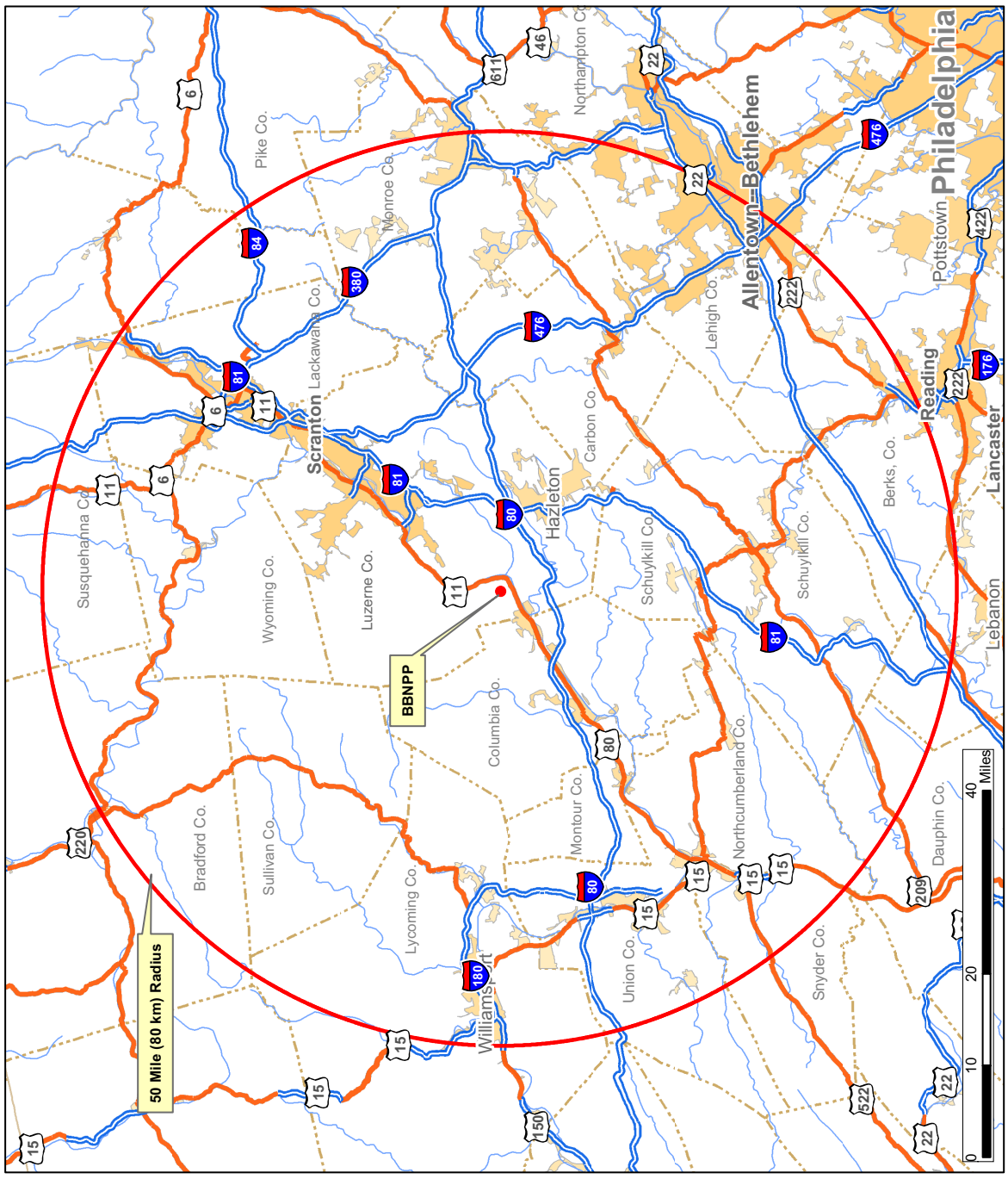


Figure 2.1-2 {BBNPP Site 50 Mile (80 km) Region}

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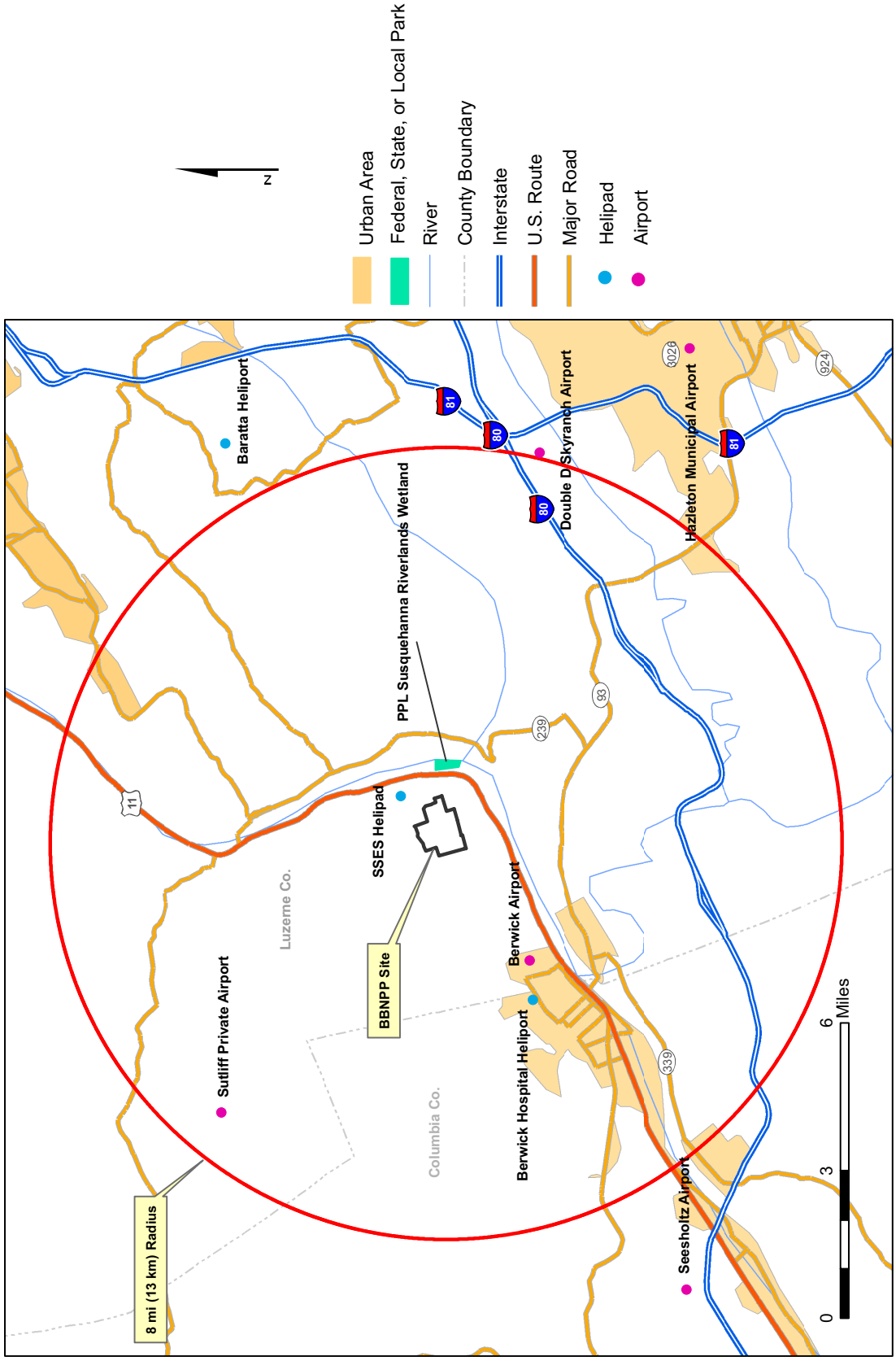
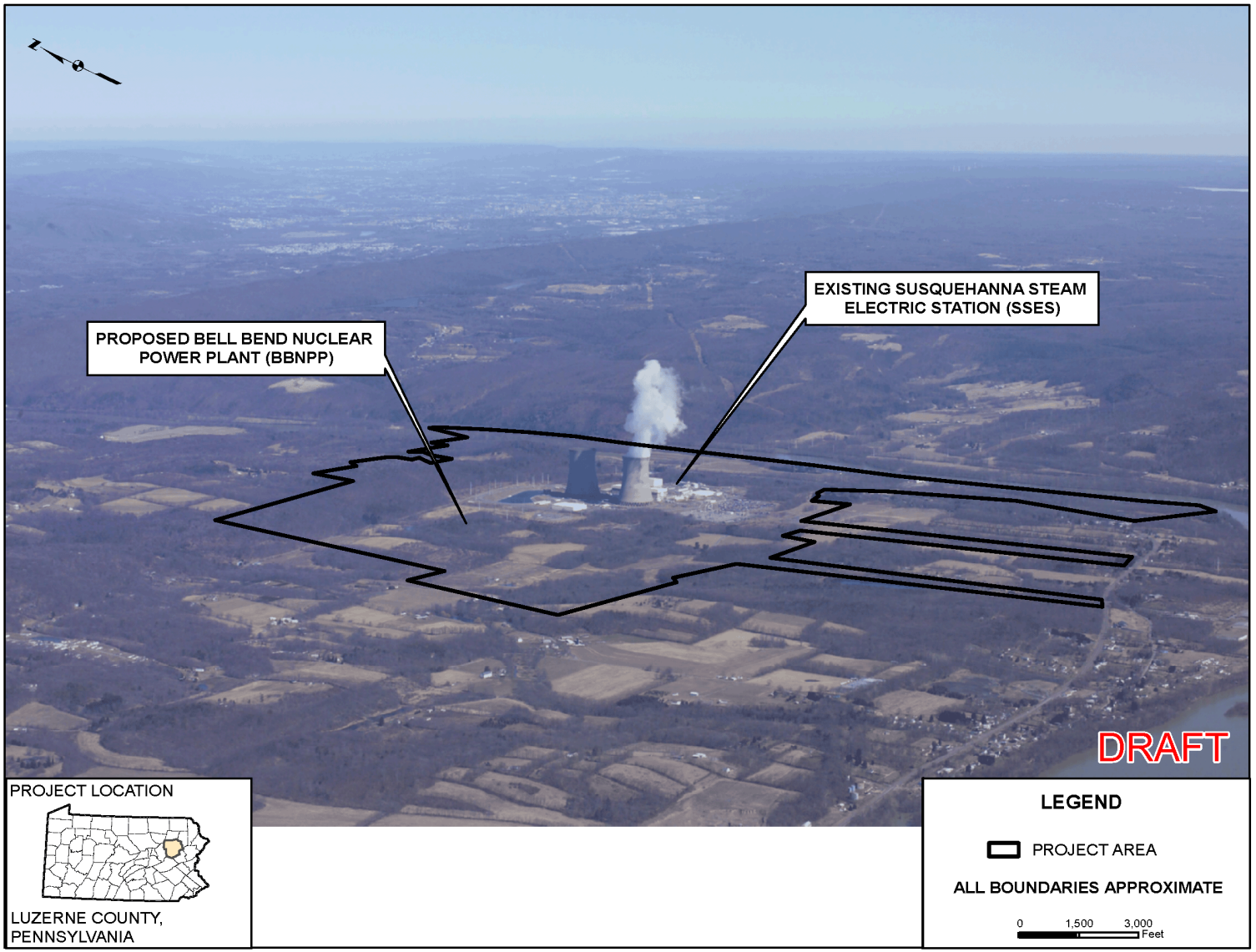


Figure 2.1-3 {BBNPP Site 8 mi (13 km) Region}

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Figure 2.1-4 {Oblique Aerial Photo Showing BBNPP Project Area}



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2.2 LAND

{This section establishes the nature and extent of current and proposed land use within the vicinity and region of the proposed site that might be impacted by station construction and operation. The review evaluates both on and offsite areas that will be modified for the sole purpose of supporting construction and maintenance of the proposed facilities.}

2.2.1 THE SITE AND VICINITY

{The Bell Bend Nuclear Power Plant (BBNPP) site is located in Salem Township, Luzerne County, Pennsylvania, adjacent to Susquehanna Steam Electric Station along the Susquehanna River in an area of open deciduous woodlands interspersed with grasslands, previously cultivated fields, and orchards. The largest community within 10 mi (16 km) of the site is the borough of Berwick, Pennsylvania, approximately 5 mi (8 km) to the southwest. The nearest metropolitan areas are Wilkes-Barre, Pennsylvania, approximately 20 mi (32 km) to the northeast; Allentown, Pennsylvania, approximately 50 mi (80 km) to the southeast; and Harrisburg, Pennsylvania, approximately 70 mi (113 km) southwest of the BBNPP site (PPL, 2006).

PPL Susquehanna, LLC, owner of SSES, owns 2,355 ac (953 ha) on both sides of the Susquehanna River. SSES is on the west side of the Susquehanna River on 1,575 ac (637 ha), that includes the SSES property (1,173 ac (475 ha)) and the Riverlands Recreation Area (401 ac (162 ha)), a strip of land between the power generating facilities and the Susquehanna River (PPL, 2006). The Riverlands Recreation Area includes natural and recreational areas:

- Riverlands Nature Center - The Nature Center is located in the Susquehanna Energy Information Center at the entrance to the Recreation Area.
- Riverlands Recreation Area - This recreation area on the west side of the river is a popular spot for picnicking, group outings, hiking, sports, and playing.
- Lake Took-A-While - A 30 ac (12 ha) fishing lake and a restored section of the North Branch Canal provide fishing opportunities and are open to the public. Boating is allowed, but no gasoline engines are permitted.
- Wetlands Nature Area - This 94 ac (38 ha) tract of riverine forest, marsh, swamp, and vernal pools has been set aside as an area for nature study and education. A portion of the long-abandoned North Branch Canal runs north-south across the property (PPL, 2006).}

A map depicting the land use within the {BBNPP Owner Controlled Area (OCA) is presented in Figure 2.2-1. Land use categories for this map are consistent with the land use classification codes listed in "USGS Land Use and Land Cover Data" (USGS, 1997). PPL Susquehanna, LLC currently owns the entire BBNPP and SSES site. The BBNPP site will be divided into a west parcel and an east parcel. PPL Susquehanna, LLC , which owns 90% of SSES Units 1 and 2 and Allegheny Electric, which owns 10% of SSES Units 1 and 2, will retain ownership of the east parcel. PPL Bell Bend, LLC will be the owner of BBNPP and the owner of the west parcel as detailed in Figure 2.2-1. The operator of BBNPP will be PPL Bell Bend, LLC.}

{The areas devoted to major uses of the land within the {BBNPP OCA} site are summarized in Table 2.2-1. The Table is consistent with USGS land use categories. A map showing major land uses in the vicinity within {6 mi (10 km)} of the project is presented in Figure 2.2-2 with land uses

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classified consistent with the 1997 USGS land use/cover categories (USGS, 1986). Major land uses in the {6 mi (10 km)} vicinity of the project are summarized in Table 2.2-2. The vicinity is defined as the area encompassed within a radius of 6 mi (10 km) surrounding the plant site. A topographical map of the {BBNPP OCA} site is presented in Figure 2.2-3 (USGS, 1996).}

{There are no known claims by Native Americans on lands within the BBNPP OCA or within the 6 mi (10 km) radius of the BBNPP site. There are no known lands of special land-use within the BBNPP OCA. Special land-use categories are defined as Native American or military reservations, State and national parks, national monuments, national forests, wild and scenic rivers, designated coastal-zone areas, and wilderness areas.

State lands, as detailed in Table 2.2-3, within the vicinity of the BBNPP site are limited to areas of two state game lands and two state park lands. State Game Land No. 55 covers 2,470 ac (1,000 ha) in Columbia County just west of the BBNPP site. State Game Land No. 260, located east of the BBNPP site, covers 3,087 ac (1,249 ha) in Luzerne County (PGC, 2006). The Pennsylvania Game Commission maintains/manages both the wildlife and its habitats within the Game Land boundaries and provides recreation and education for the general public. The two state park parcels, Theta Lands, occupy 109 ac (44 ha) north of the proposed site. The Theta Lands are part of the Theta Lands Conservation Project which encompasses more than 10,000 ac (4,047 ha) in Luzerne and Lackawanna Counties. These lands provide recreational opportunities and clean water to the people of this region (DCNR, 2008).}

There are {no} known National Parks, National Forests, or National Monuments within the {BBNPP} site vicinity.

Private lands held in trust or through other use restrictions include {two areas maintained by private owners through the North Branch Land Trust (NBLT) as detailed in Table 2.2-4 (NBLT, 2008). The NBLT property located to the north of the BBNPP site covers an area of 49 ac (20 ha) and connects with State Game Land No. 260. The second NBLT trust land, located to the south of the BBNPP site, occupies 88 ac (35 ha) (TCF, 2004).

One family farm is included in the exclusion area boundary. There are no residents at this farm. Terms of the contract for acquisition of this property by PPL Bell Bend LLC provide access to this farm for family members, provided no residence is established and the area is vacated if PPL LLC requests it.

Figure 2.2-1 and Figure 2.2-2 show major roads/highways and utility rights-of-way that cross and are in the vicinity of the BBNPP site. There is an operating rail line along both banks of the Susquehanna River within the 6 mi (10 km) vicinity of the BBNPP site. The BBNPP site is bordered on the south and east by the Susquehanna River. The Susquehanna River is frequented by recreational boaters, but is not used for commercial shipping. Egress from the areas surrounding the site is limited to the north and west along U.S. Highway 11, which runs along the north-western bank of the Susquehanna River. (USGS, 1986)}

No significant mineral resources within or adjacent to the {BBNPP} site have been identified. {The only mineral resources occurring at the site are siltstone and sand and gravel (PPL, 1972). The siltstone could not be mined economically due its depth. Deposits of sand and gravel underlie most portions of the Susquehanna River Valley. A very small portion of these deposits are under the Susquehanna River floodplain at the OCA.} The mineral resources of the land areas of the {BBNPP} site are owned by {the respective surface landowners. There are no

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mineral resources currently being mined located adjacent to the BBNPP site. PPL Bell Bend LLC is in the process of acquiring all mineral rights on the site.

The BBNPP site is located in the southwestern quadrant of Luzerne County. This area is characterized by forests, open, undeveloped, agricultural, mined, and developed land. The developed portions of this area are located in and around the city of Hazleton and the eastern outskirts of Berwick Borough. As shown on Figure 2.2-4, most of the BBNPP OCA is zoned as an agricultural district with a much smaller portion zoned as a conservation district. Small areas of the site to the north and east adjacent to the SSES facility are zoned heavy industrial (Salem, 2008).

The proposed project also requires approval of a proposed plan of development which must be obtained from Salem Township. The Salem Township Planning and Zoning Commission is responsible for managing the consolidated review of the environmental, engineering, socioeconomic, planning and cost of those projects which require an approved Plan of Development. Various state and county agencies provide assistance and various plan and permit approvals to support the review and approval effort.}

2.2.2 TRANSMISSION CORRIDORS AND OFFSITE AREAS

2.2.2.1 Existing Corridors

{The BBNPP property lies within the Pennsylvania, New Jersey and Maryland (PJM) Regional Transmission Organization. The existing transmission system, located on the Susquehanna Steam Electric Station (SSES) site, consists of two substations: 1) the 500 kV substation, which has two 500 kV circuits, and 2) the 230 kV T-10 substation, which has three 230 kV circuits. A 230 kV switchyard is also located on the SSES site, which has seven 230 kV circuits and one 500/230 kV interconnection.

Six transmission lines connect SSES to the regional grid and will be used by BBNPP. There are three short ties in the SSES vicinity totaling approximately 6 mi (10 km) that connect SSES to the 230 kV electrical system. These ties are located primarily within SSES controlled areas and are not accessible to the public. However, U.S. Highway 11, PA State Highway 239, and other paved roads in the immediate plant vicinity are crossed by the short ties. Stanton #2 is a single circuit 230 kV line which runs generally northeast from SSES for approximately 30 mi (48 km) in a 100 to 400 ft (30 to 121 m) wide corridor. The Wescosville 500 kV line connects SSES with the Alburtis substation. It runs generally southeast for approximately 75 mi (121 km) in a 100 to 400 ft (30 to 107 m) wide corridor. The Sunbury #2 is a 500 kV line which shares a corridor with the Sunbury #1 230 kv line and runs for approximately 30 mi (48 km) in a west-southwest direction. The corridor is approximately 325 ft (99 m) wide. Existing transmission corridors are shown in Figure 2.2-1 and Figure 2.2-2 and Figure 2.2-5 (PPL, 2006)}

2.2.2.2 Proposed Transmission System Modifications

{No additional transmission corridors or other offsite land use would be required to connect the new reactor unit to the existing electrical grid. The following facilities would be constructed on the BBNPP site:

- One new 500 kV substation to transmit power from BBNPP; and

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- Two new 500 kV, 4,260 MVA circuits on individual towers, connecting the BBNPP substation to the existing SSES 500 kV Yard, approximately 0.46 mi (0.74 km) in length, and to the proposed 500 kV Susquehanna Yard #2, approximately 0.85 mi (1.37 km) in length.

Additionally, the 230 kV transmission lines currently passing through the BBNPP site will be relocated to run along the northern boundary of the owner controlled area in order to provide a buffer from the BBNPP Circulating Water System cooling towers and provide additional areas for the location of plant-related structures. An expansion of the existing SSES 500 kV switchyard will be required to accommodate the connection to the new BBNPP switchyard.

Numerous breaker upgrades and associated modifications would also be required at other existing substations and switchyards. All of the offsite modifications would be implemented within the existing substations and switchyards (Section 1.2.5). Additionally, based on the results of a generator interconnection impact study (PJM, 2008), certain sections of two offsite transmission lines will need to be reconductored to avoid network overloads during peak usage periods.}

2.2.2.3 Land Use

{In total, for the purpose of connecting SSES to the transmission system, PPL Susquehanna has approximately 150 mi (241 km) of corridor that occupy approximately 3,341 ac (1,352 ha) crossing eight counties (Luzerne, Carbon, Columbia, Lehigh, Northampton, Northumberland, Montour, and Snyder). BBNPP is expected to utilize these existing corridors as well. The corridors pass through land that is primarily agricultural or forest land. The areas are mostly remote, with low population densities. The longer lines cross numerous state and U.S. highways. Impact of these corridors on land usage is minimal; farmlands that have corridors passing through them generally continue to be used as farmland. (PPL, 2006)}.

Additionally, SSES and BBNPP will both be connected to the existing Susquehanna-Roseland transmission line that will be brought into service in 2012, independent of the BBNPP, as described in FSAR Chapter 8. Land use within the new transmission corridor is expected to be similar to that of the existing corridors.}

2.2.3 THE REGION

{The region within a 50 mi (80 km) radius of the BBNPP site includes all or part of 22 counties in Pennsylvania. The 50 mi (80 km) region including major waterways and highways are shown in Figure 2.2-6. Interstate 81 (I-81) passes east of the site intersecting I-80 to the south of the BBNPP site. These two interstates connect with portions of I-84, I-380, I-476, and I-78 which are all within a 50 mi (80km) radius of the site. (USGS, 1999)}

Land acreage devoted to major uses within the 50 mi (80 km) region are presented in Table 2.2-5 and shown on Figure 2.2-7. The land use/cover categories used in the table are those used by the U.S. Geological Survey. Principal agricultural commodities, dollar values of produced commodities, amount of county land used for agriculture, and the average land value based on the last (2002) U.S. Department of Agriculture survey, for these principal agricultural commodities are summarized in Table 2.2-6 (USDA, 2002).

{This section focuses on two Pennsylvania counties (Luzerne and Columbia Counties) within the region for the potential construction and operation of the BBNPP site which is adjacent to the

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existing SSES site. The region is defined as an area within a 50 mi (80 km) radius of the site, but excludes the site and vicinity.

More than 89% of the current SSES employees reside in Luzerne and Columbia counties (PPL, 2006). Most land use or population changes would occur in these two counties where the construction activity would occur and where the construction and operation employees would be expected to live. As discussed in Section 2.2.2, the proposed transmission system activities would occur on the existing SSES site property and at existing substations along existing transmission corridors. The addition of BBNPP only requires a new substation and new transmission lines on the BBNPP site to connect the unit to the existing SSES system. The 230 kV transmission lines currently passing through the BBNPP site will be relocated to run along the northern boundary of the Owner Controlled Area in order to provide a buffer from the BBNPP CWS cooling towers and provide additional areas for the location of plant-related structures. An expansion of the existing Susquehanna 500 kV switchyard will be required to accommodate the connection to the new BBNPP switchyard (PPL, 2206).

Road access to SSES is via U.S. Route 11, a two-lane paved road with a northeast southwest orientation (Figure 2.1-2 and Figure 2.1-3). SSES lies to the west of U.S. Route 11 and the Susquehanna River. Approximately 4 mi (6.4 km) north of SSES, U.S. Route 11 intersects with State Route (SR) 239, which travels in a northwest-southeast direction. East of this intersection, SR 239 crosses the Susquehanna River.

Several miles southwest of SSES, U.S. Route 11 intersects with SR 93. East of this intersection, SR 93 crosses the Susquehanna River. East of the intersection of SR 93 and the Susquehanna River, SR 93 intersects SR 339, which has a northeast-southwest orientation. Five to ten miles (8 to 16 km) south of SSES, SRs 93 and 339 intersect with Interstate 80, which has an east to west orientation. Five to ten miles southeast of SSES, Interstate 80 intersects with Interstate 81, which has a northeast-southwest orientation.

Employees traveling from the north or northwest of SSES would use SR 239 and U.S. Route 11 to reach the station. Employees traveling from the northeast would use U.S. Route 11. Employees traveling from the south or southwest of SSES could use varying combinations of the following roads to reach the station: Interstate 80, SR 339, SR 93, and U.S. Route 11. Employees traveling from the east and southeast could use SR 239, Interstates 80 and 81, SR 93, and U.S. Route 11. When nearing SSES, all employees must use U.S. Route 11. (PPL, 2006)}

Major land-based transportation routes and utility routes within the region are depicted in Figure 2.2-2 and Figure 2.2-5. {An existing gas transmission line is shown on Figure 2.2-2. (USGS, 1999)

Because of the location of BBNPP, the potential land use impacts would be greatest in Luzerne County. Potential population impacts would be greatest in Luzerne County and Columbia County as discussed earlier in this section. It is expected that the future potential employee relocation would likely follow the same trend. Therefore, this section excludes discussion of the 50 mi (80 km) region and focuses primarily on the two counties within the region. Table 2.2-7 and Table 2.2-8 indicate six land use classifications for land in Luzerne County and Columbia County. (USGS, 1999)

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The three classifications of barren, wetlands and water together account for 6% and 2% of total county lands for Luzerne and Columbia Counties, respectively. Urban or built-up lands occupy little of both counties' land (Luzerne County 11% and Columbia County 7%). The majority of each county is dominated by forest and agricultural lands. A combined total of 82% of Luzerne County's land use and 91% of Columbia County's land use fall within these two categories.

Major trust lands in the region are shown in Figure 2.2-7 and are summarized in Table 2.2-9 (TCF, 2004). While there are no known trust holdings in Columbia County, trust holdings within Luzerne County generally consist of several small holdings instead of large individual tracts of land. The known trust lands within Luzerne County are controlled by a mix of private owners and the North Branch Land Trust. These eight trust lands occupy 1,913 ac (774 ha). (TCF, 2004)

County and local parks within the 50 mi (80 km) region are shown in Figure 2.2-7 and are summarized in Table 2.2-10 (PCS, 1998). There are 255 known county and local parks within the region. Two of these areas (Moon Lake and Seven Tubbs Nature Area) are located in Luzerne County and account for 1,386 ac (561 ha) of the lands accessible to the public. Two more of these areas (Twin Bridges and Briar Creek) are located within Columbia County and account for 139 ac (56 ha) of publicly accessible land. (PCS, 1998)

State controlled lands within the region mainly comprise State Parks, Game Lands, and Forests. These areas are shown in Figure 2.2-7 and are summarized in Table 2.2-11, Table 2.2-12, and Table 2.2-13 respectively. Although no state parks fall solely within Columbia County, it does share one of Luzerne County's six state parks (Theta Lands, Fish Commission Lands, Frances Slocum, Lehigh Gorge Nescopeck, and Ricketts Glen) which provide a total of 39,065 ac (15,808 ha) to the general public (DCNR, 2008). Five State Game Lands fall with the boundary of Columbia County, adding 71, 404 ac (28,896 ha) to public land use while Luzerne County provides the public with 12 game lands totaling 106,211 ac (42,982 ha) (PGC, 2006). There are two state forests within the 50 mi (80 km) region falling within Luzerne and Columbia Counties. Luzerne County holds the Lackawanna State Forest 13,142 ac (5,318 ha) and Columbia holds the Weiser State Forest 28,736 ac (11,629 ha) within its boundaries. (DCNR, 2006a) (DCNR, 2008) (PGC, 2006)

Columbia County provides one of eight Wild/Natural Areas within the 50 mi (80 km) region. The Jakey Hollow Natural Area occupies 51 ac (21 ha) of the county's lands and provides recreation and outdoor activities for the surrounding public (DCNR, 2006b). The Wild/Natural areas are shown in Figure 2.2-7 and are summarized in Table 2.2-14.}

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Table 2.2-1 {Land Use on the BBNPP Site}

Land Use Category	Acres	Hectares	Percent of Total
Urban or Built-up	21.0	8.5	2.4
Barren	6.3	2.5	0.7
Wetlands	196.0	79.3	22.2
Water	4.3	1.7	0.5
Forest	402.5	162.9	45.6
Agricultural	251.9	102.0	28.6
Total	**882.0**	**357.0**	**100**

Table 2.2-2 {Land Use Categories within 6 mi (10 km) Vicinity}

Land Use Category	Acres	Hectares	Percent of Total
Urban or Built-up	6,721	2,720	9
Barren	335	136	>1
Wetlands	762	308	1
Water	2,433	985	3
Forest	47,283	19,135	65
Agricultural	14,848	6,009	21
Total	**72,382**	**29,292**	**100**

Table 2.2-3 {State Controlled Lands within 6 mi (10 km) Vicinity}

County	Type	Name	Acres	Hectares
Columbia	State Game Land	SGL No. 55	2,470	1,000
Luzerne	State Game Land	SGL No. 260	3,087	1,249
Luzerne	State Preserve	Theta Lands	109	44

Table 2.2-4 {Trust Land within 6 mi (10 km) Vicinity}

Trust Land	Owner	County	Acres	Hectares
North Branch Land Trust Property	Privately Owned Conservancy	Luzerne	49	20
North Branch Land Trust Property	Privately Owned Conservancy	Luzerne	88	35

Table 2.2-5 {Land Use Categories within 50 mi (80 km) Region}

Land Use Category	Acres	Hectares	Percent of total
Urban/Built-up	468,132	189,446	9
Barren	68,592	27,758	1
Wetlands	83,797	33,911	2
Water	84,026	34,004	2
Forest	3,279,101	1,327,005	65
Agricultural	1,042,837	422,021	21
Total	5,026,484	2,034,146	100

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Table 2.2-6 {Land Use Categories within 50 mi (80 km) Region}

County	Total Farmland Acres (Hectares)	Land Value (Dollars per acre)	Grains	Tobacco	Vegetables, Melons, Potatoes	Fruits, Nuts, Berries	Nursery, Greenhouse, Sod	Hay	Poultry, Eggs	Cattle	Dairy Products, Cows	Equine	Aquaculture
			Values listed in 1000's of dollars										
Bradford	30,2475 (122,407)	$1,980	$1,175		$752		$1,534	$3,204		$27,097	$54,922	$87	
Berks	21,5679 (87,282)	$5,527	$10,203		$2,312	$4,436	$96,809	$4,924	$70,845	$18,252	$59,970	$477	$244
Carbon	19,257 (7,793)	$4,436	$238				$3,698	$497	$22	$344	$505	$71	$61
Columbia	123,514 (49,984)	$3,137	$4,739		$3,524		$6,415	$1,219	$2,499	$1,929	$8,832	$105	$82
Dauphin	94,983 (38,438)	$5,291	$4,493	$29	$1,217	$843	$1,197	$2,007	$14,248	$5,957	$15,100	$209	$69
Lackawanna	32,931 (13,327)	$3,205			$3,832	$668	$3,262	$618			$3,110	$477	
Lebanon	125,066 (50,612)	$5,349	$7,081	$150	$3,950	$713	$4,138	$963	$68,446	$18,499	$58,294	$184	$1,053
Lehigh	91,304 (36,949)	$4,504	$8,332			$2,510	$21,386	$1,944		$1,066	$3,267	$553	
Luzerne	73,216 (29,629)	$3,541	$1,364		$7,822	$1,714	$6,136	$767	$33	$921	$3,100	$109	
Lycoming	177,347 (71,770)	$2,318	$4,664	$37	$1,291	$1,957	$4,602	$2,410	$4,660	$8,664	$14,990	$176	$64
Monroe	32,938 (13,320)	$5,191	$882		$641	$242	$2,348	$454	$17	$324	$360	$67	$1,014
Montour	39,964 (16,172)	$2,996		$80	$226	$253		$448	$1,604	$1,721	$4,332		
Northampton	77,556 (31,386)	$4,862	$6,866		$1,522	$840	$2,486	$1,419	$84	$1,034	$6,041	$42	
Northumberland	119,129 (48,210)	$3,099	$10,004	$416	$4,644	$1,356	$9,040	$969	$20,744	$31,886	$11,485	$88	
Pike	10,113 (4,093)	$2,878			$15		$992	$38		$29	$432		
Schuylkill	110,946 (44,898)	$3,383	$3,976		$5,716	$1,026	$16,717	$1,624	$21,535	$3,045	$7,206	$127	$1,922
Snyder	100,034 (40,482)	$3,558	$2,452	$51	$2,205	$1,191	$402	$832	$30,734	$10,913	$18,855	$117	
Sullivan	31,096 (12,584)	$1,878	$48				$249	$291	$1	$1,105	$5,152	$59	$5
Susquehanna	189,287 (76,601)	$2,162	$130		$152	$309	$407	$1,390		$13,426	$26,093	$106	
Union	69,424 (28,095)	$4,156	$3,148				$642	$968	$15,350	$5,920	$21,701		
Wayne	113,167 (45,797)	$2,111	$42		$215	$370	$753	$979	$51	$2,296	$15,667	$117	
Wyoming	61,846 (25,028)	$2,276	$307		$530	$203	$780	$743	$3	$1,123	$7,592		

Note:
Values are for top agricultural commodities listed for each county. All commodity sales for 2002 Census are not listed.

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Table 2.2-7 {Land Use Categories within Luzerne County}

Land Use Category	Acres	Hectares	Percent of Total
Urban or Built-up	65,383	26,459	11
Barren	12,628	5,110	2
Wetlands	12,791	5,176	2
Water	13,968	5,653	2
Forest	410,138	165,977	71
Agricultural	65,573	26,536	12
Total	**580,481**	**234,912**	**100**

Table 2.2-8 {Land Use Categories within Columbia County}

Land Use Category	Acres	Hectares	Percent of Total
Urban or Built-up	22,010	8,907	7
Barren	2,133	863	1
Wetlands	1,294	524	0
Water	4,082	1,652	1
Forest	194,166	78,576	62
Agricultural	89,770	36,328	29
Total	**313,454**	**126,850**	**100**

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Table 2.2-9 {Trust Lands within 50 mi (80 km) Region}

County	Number of Land Trusts	Total Acres	Total Hectares
Berks	44	3,455	1,398
Carbon	3	9,189	3,719
Lackawanna	19	3,697	1,496
Lebanon	1	173	70
Lehigh	1	15	6
Luzerne			
Trust Land			
Private Owner		312	126
Private Owner		1,248	505
Private Owner		22	9
Private Owner		32	13
Private Owner		106	43
North Branch Land Trust Property		49	20
North Branch Land Trust Property		88	35
North Branch Land Trust Property		57	23
Luzerne Total	8	1,913	774
Lycoming	7	418	169
Monroe	174	5,567	2,253
Schuylkill	2	860	348
Susquehanna	5	1,458	590
Wayne	2	461	187
Wyoming	2	188	76

Table 2.2-10 {County and Local Parks within 50 mi (80 km) Region}

County	Number Of Parks	Total Acres	Total Hectares
Berks	178	8,629	3,492
Carbon	2	30	12
Columbia			
Twin Bridges		2	1
Briar Creek		137	55
	2	139	56
Dauphin	1	71	29
Lackawanna	4	15	6
Lehigh	39	3,255	1,317
Luzerne			
Moon Lake Park		802	325
Seven Tubbs Nature Area		584	236
Luzerne Total	2	1,386	561
Lycoming	1	430	174
Monroe	5	276	112
Montour	1	5	2
Northampton	20	860	348

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Table 2.2-11 {State Park Lands within 50 mi (80 km) Region}

County	State Park	Acres	Hectares
Carbon	Beltzville	3,559	1,440
Carbon	Hickory Run	14,129	5,718
Lackawanna	Theta Lands	28,312	11,458
Lackawanna	Archbald Pothole	140	57
Lackawanna	Lackawanna	1,416	573
Luzerne	Theta Lands	16,256	6,578
Luzerne	Fish Commission Land	321	130
Luzerne	Frances Slocum	981	397
Luzerne	Lehigh Gorge	5,094	2,061
Luzerne	Nescopeck	3,627	1,468
Luzerne/Columbia	Ricketts Glen	12,786	5,174
Lycoming	Susquehanna	51	21
Monroe	Big Pocono	1,321	535
Monroe	Gouldsboro	2,395	969
Monroe	Tobyhanna	5,502	2,227
Northampton	Jacobsburg	1,032	418
Northumberton	Milton	42	17
Schuylkill	Swatara	3,453	1,397
Schuylkill	Tuscora	1,639	663
Sullivan	Worlds End	716	290
Union	Shikellamy	32	13
Wayne	Theta Lands	1,257	509
Wayne	Varden Conservation Area	346	140

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Table 2.2-12 {State Game Lands within 50 mi (80 km) Region}

County	Number of State Game Lands	Total Acres	Total Hectares
Berks	6	40,858	16,535
Bradford	9	90,247	36,522
Carbon	6	57,061	23,092
Columbia			
SGL No. 329		1,701	688
SGL No. 55		2,470	1,000
SGL No. 58		12,753	5,161
SGL No. 226		4,250	1,720
SGL No. 13		50,229	20,327
Columbia Total	5	71,404	28,896
Dauphin	3	63,532	25,710
Lackawanna	6	58,078	23,503
Lebanon	2	54,317	21,981
Lehigh	3	18,193	7,362
Luzerne			
SGL No. 119		8,235	3,333
SGL No. 207		2,038	825
SGL No. 224		490	198
SGL No. 206		1,515	613
SGL No. 91		17,286	6,995
SGL No. 149		1,987	804
SGL No. 187		8,284	3,352
SGL No. 57		46,155	18,678
SGL No. 260		3,087	1,249
SGL No. 292		615	249
SGL No. 119		8,235	3,333
SGL No. 187		8,284	3,352
Luzerne Total	12	106,211	42,982
Lycoming	8	66,632	26,965
Monroe	8	51,513	20,847
Montour	1	1,220	494
Northampton	1	5,841	2,364
Northumberland	5	12,624	5,109
Schuylkill	17	117,105	47,391
Snyder	2	1,450	587
Sullivan	5	137,518	55,652
Union	3	3,555	1,439
Wayne	3	10,937	4,426
Wyoming	5	200,929	81,313

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Table 2.2-13 {State Forest Lands within 50 mi (80 km) Region}

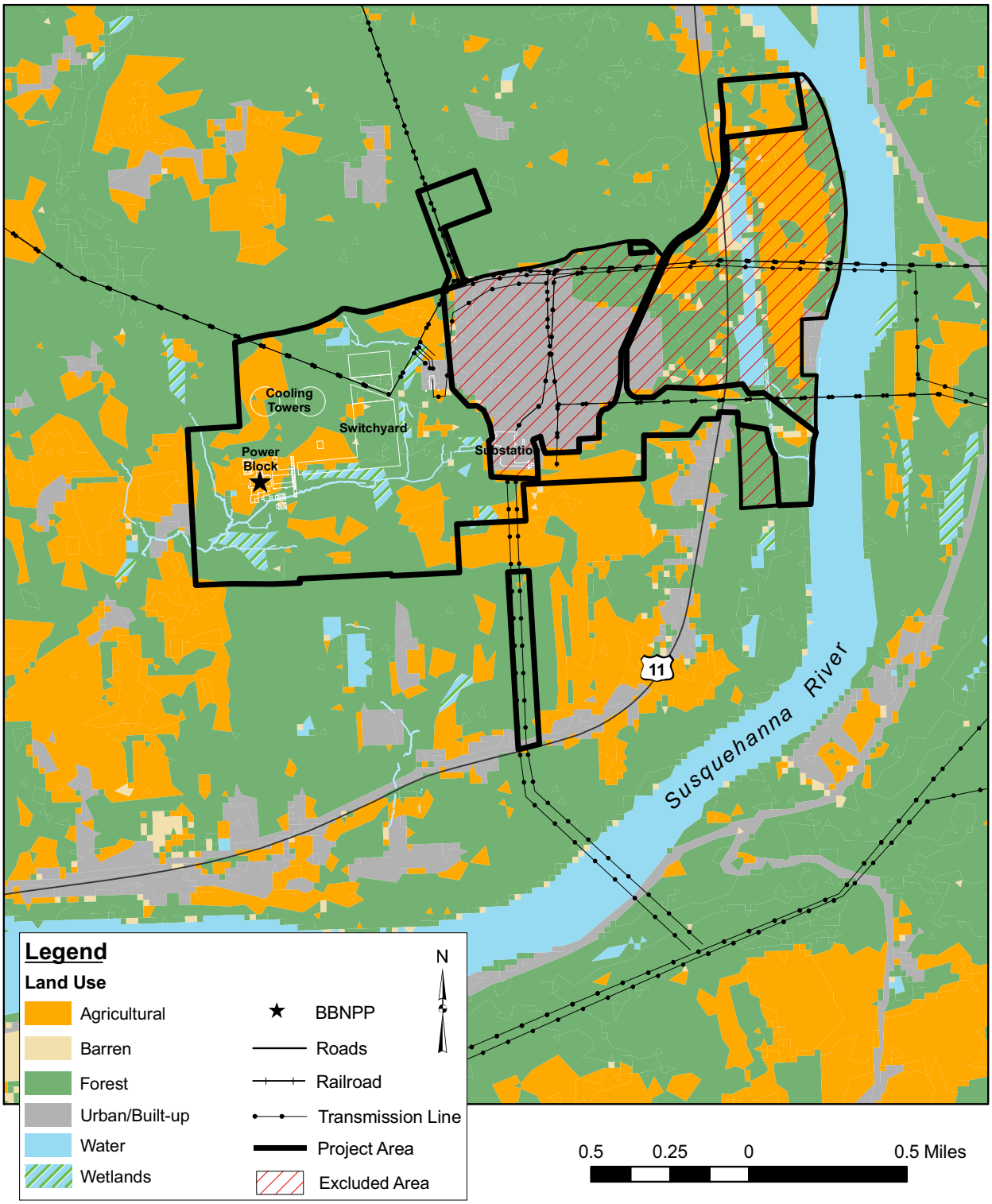
County	State Forest	Acres	Hectares
Columbia	Weiser	28,736	11,629
Luzerne	Lackawanna	13,142	5,318
Monroe	Delaware	15,786	6,388
Sullivan	Loyalsock	114,494	46,334
Union	Bald Eagle	169,402	68,554
Union	Tiadaghton	37,132	15,027

Table 2.2-14 {Wild and Natural Areas within 50 mi (80 km) Region}

County	Wild/Natural Area	Acres	Hectares
Columbia	Jakey Hollow Natural Area	51	21
Lackawanna	Spruce Swamp Natural Area	70	28
Lycoming	Devil's Elbow Natural Area	391	158
Lycoming	Mcintyre Wild Area	7,251	2,934
Pike	Pine Lake Natural Area	72	29
Sullivan	Tamarack Run Natural Area	199	81
Sullivan	Kettle Creek Wild Area	1,773	718
Sullivan	Kettle Creek Gorge Natural Area	756	306

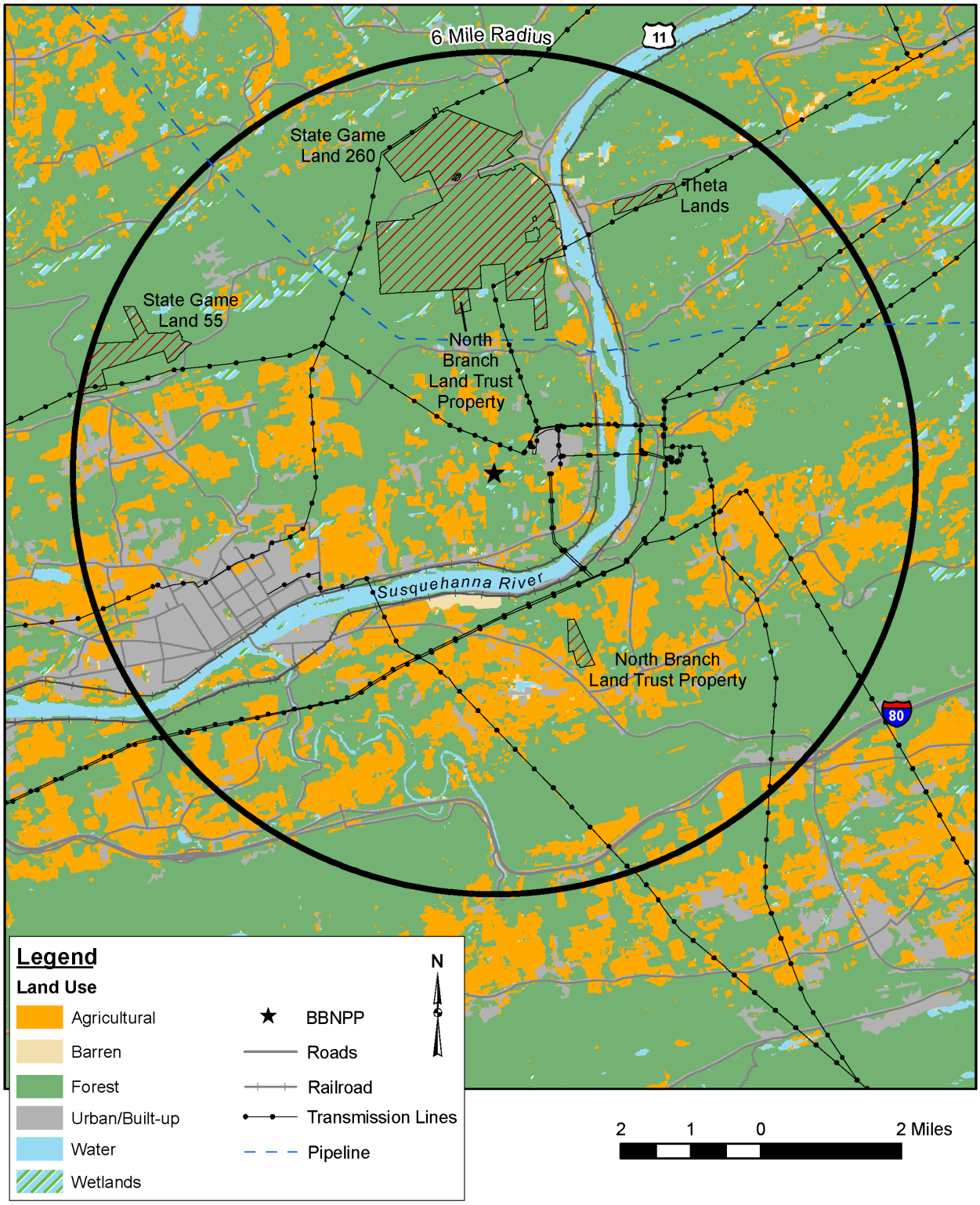
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Figure 2.2-1 Land Use on the {BBNPP} Site



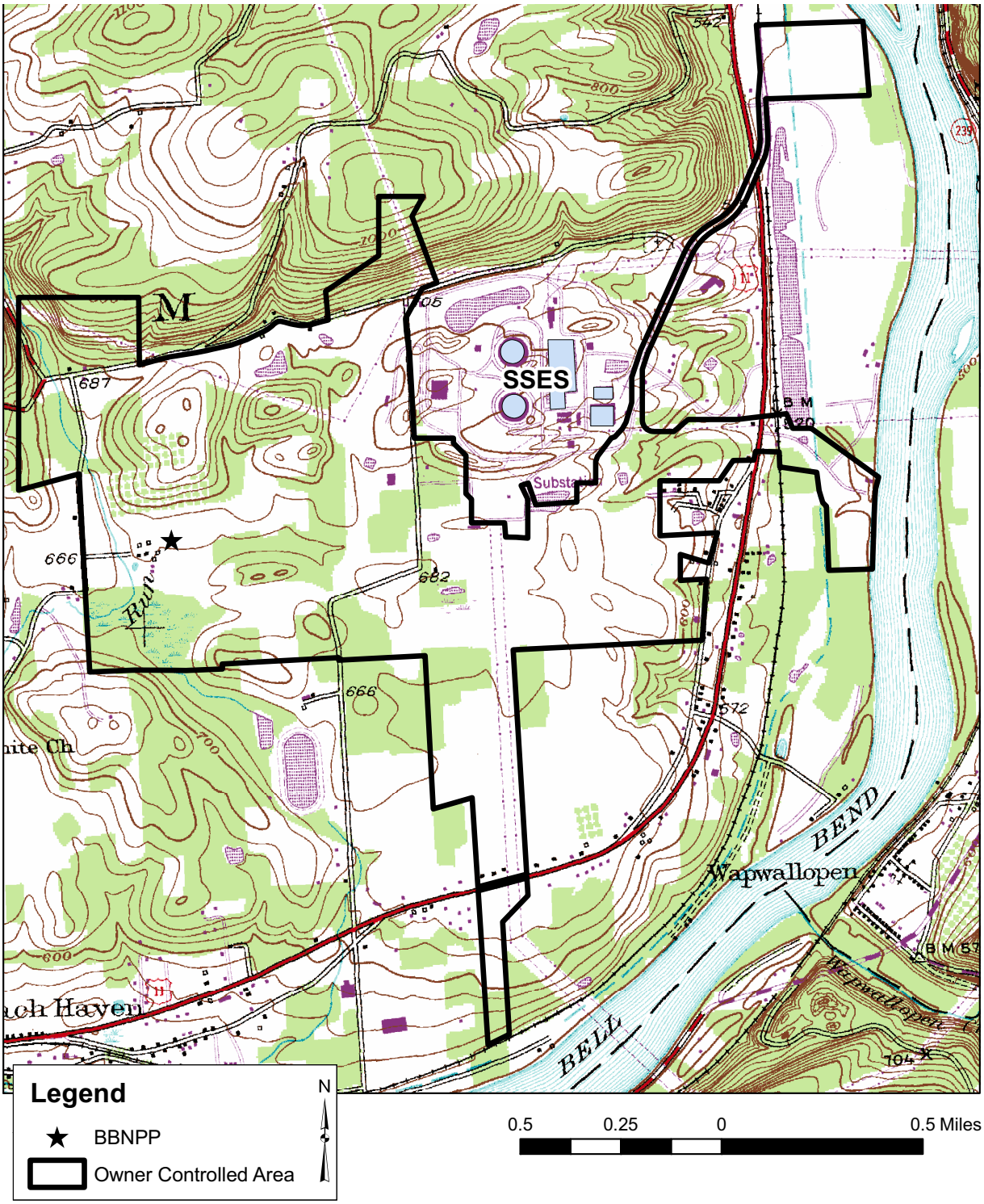
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Figure 2.2-2 {BBNPP 6 mi (10 km)} Land Use



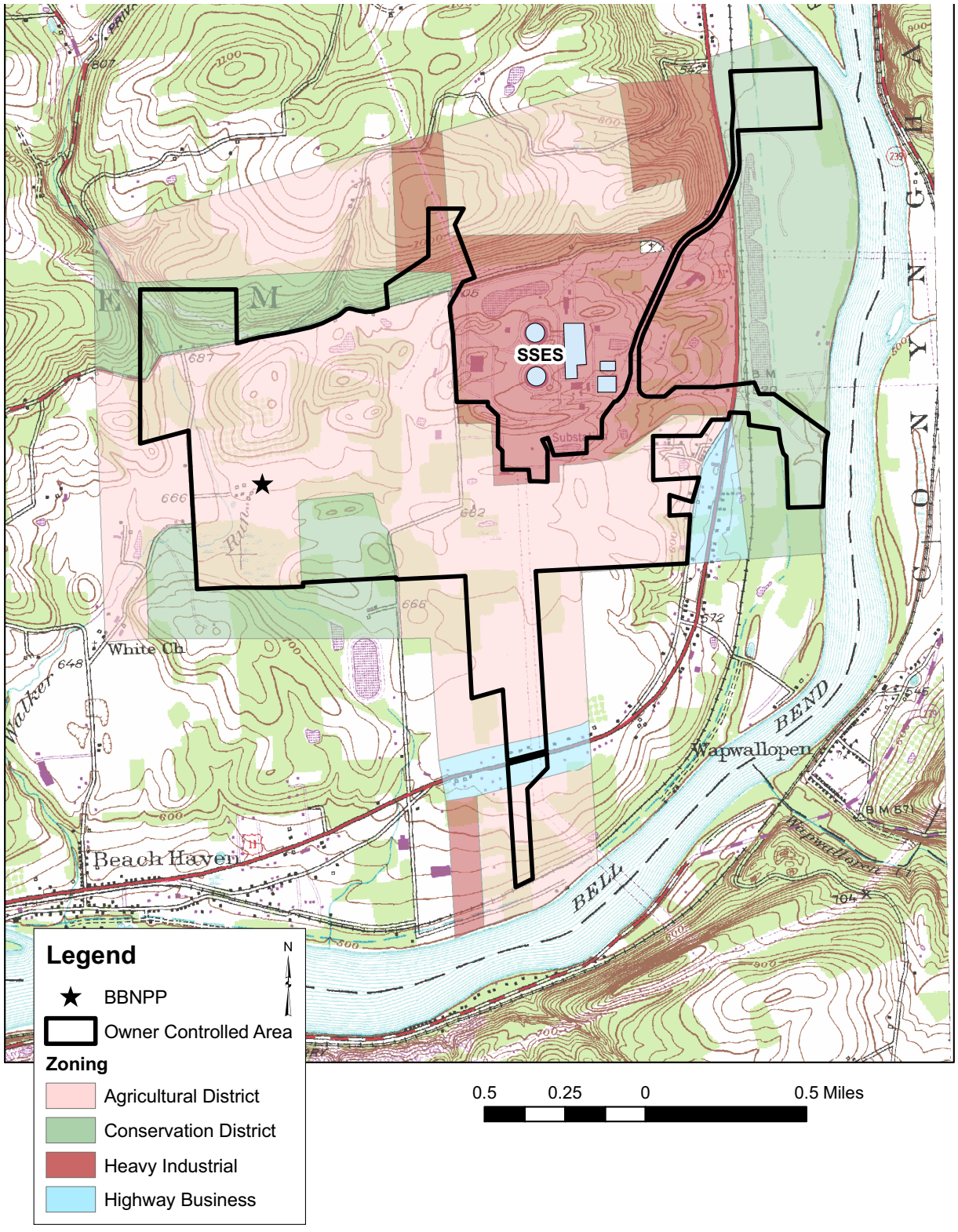
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Figure 2.2-3 {BBNPP} Site Topographic Map



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Figure 2.2-4 {BBNPP Site Zoning Map}



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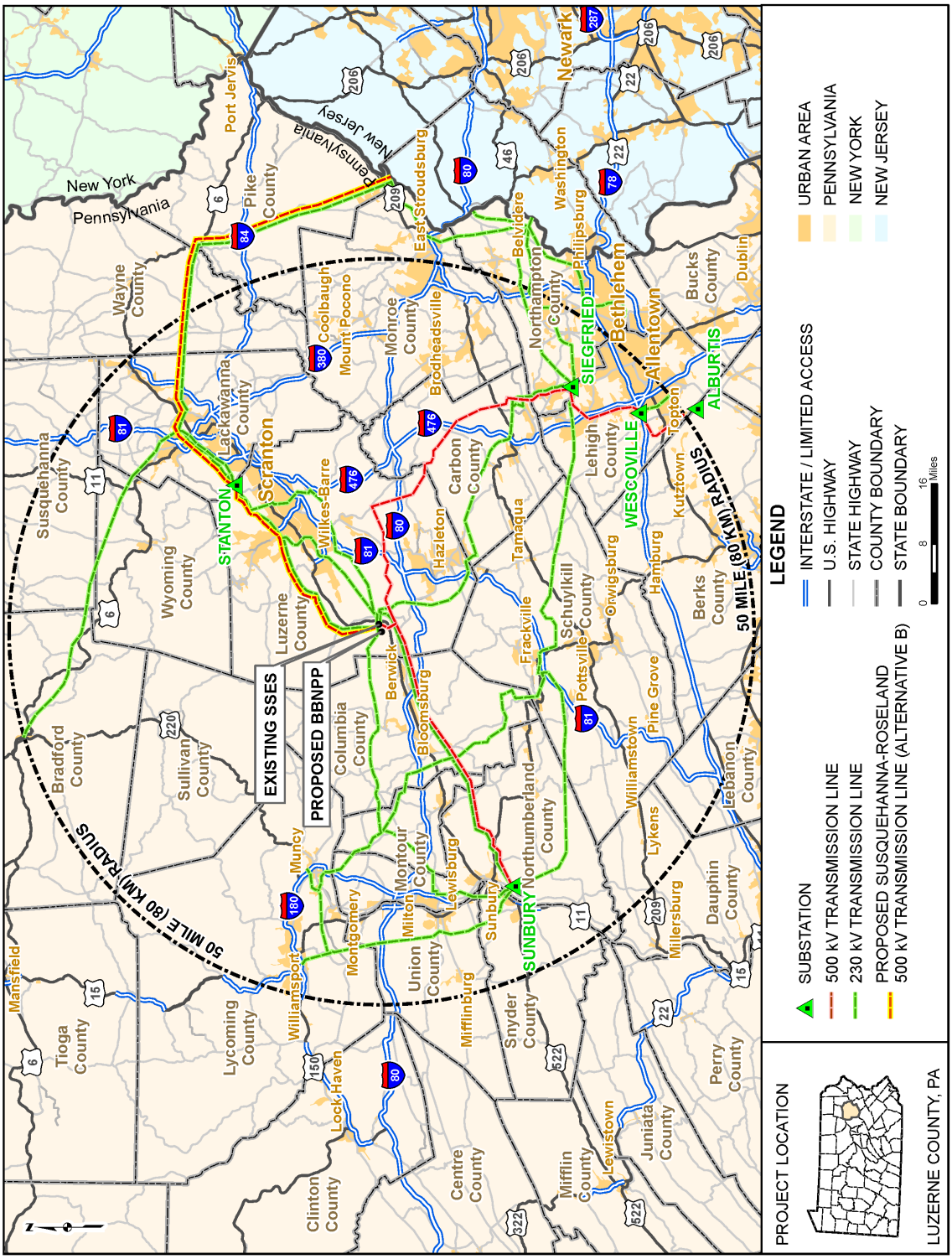
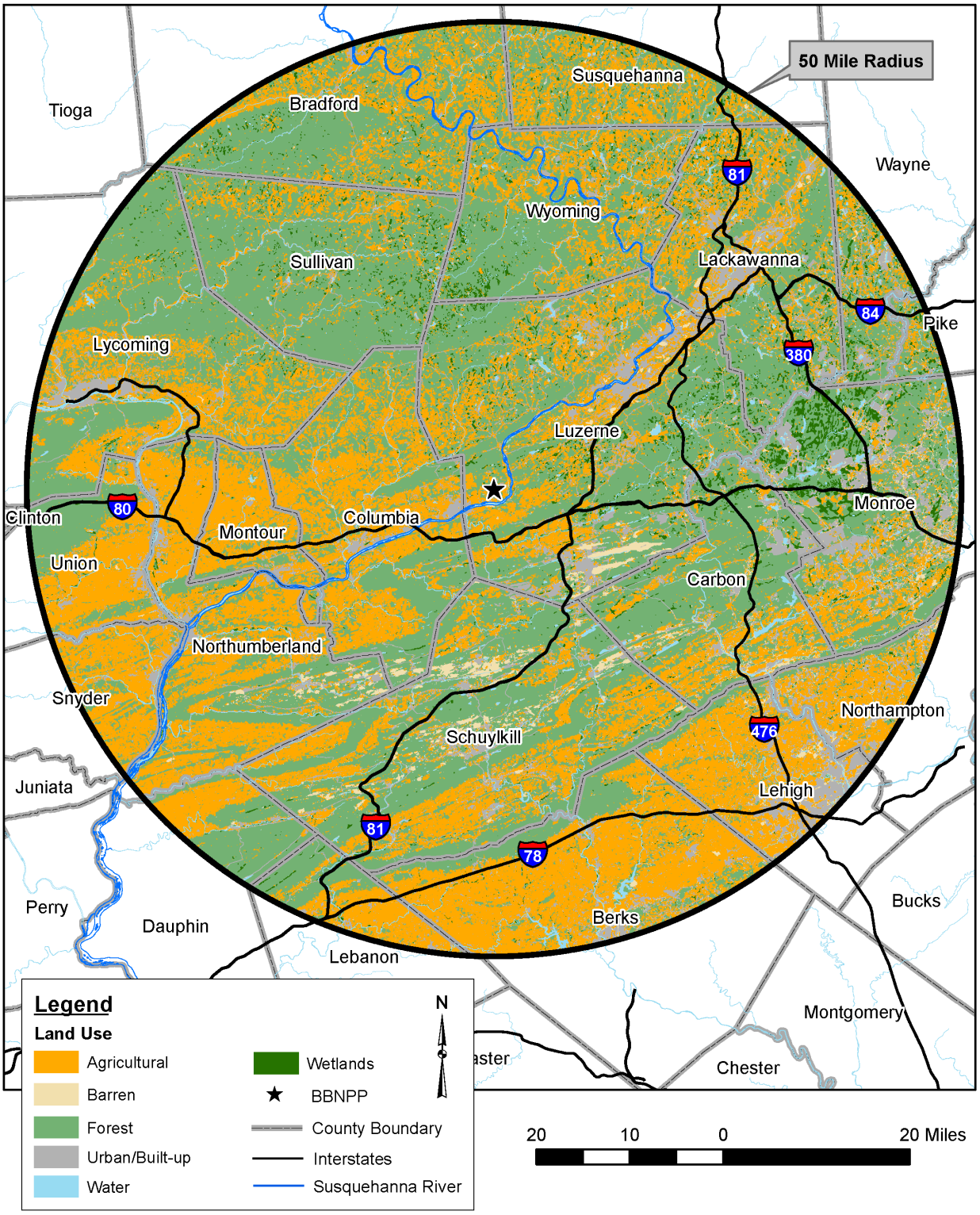


Figure 2.2-5 {BBNPP Site 500 kV and 230 kV Regional Circuit Corridors}

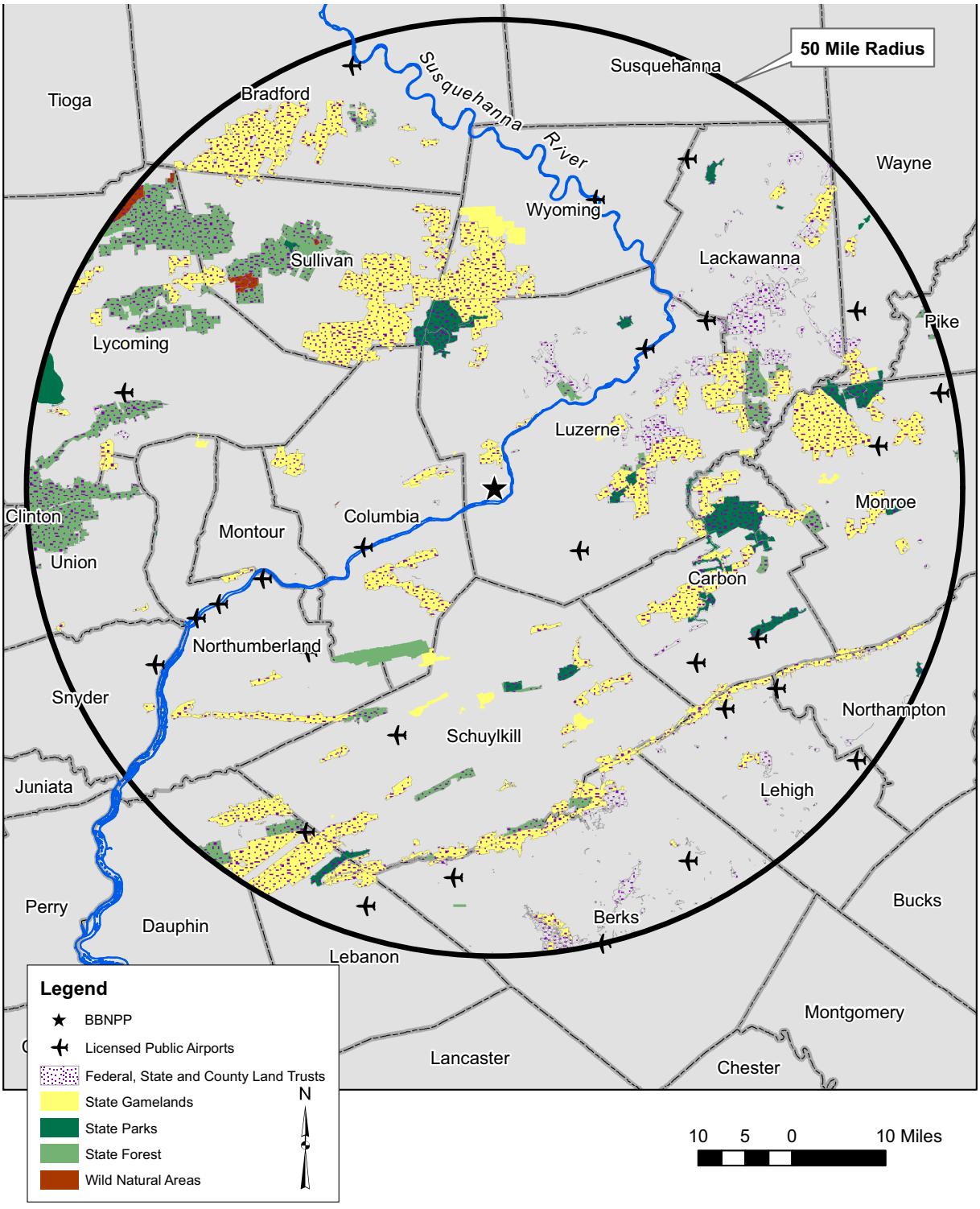
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Figure 2.2-6 {BBNPP Land Use within a 50 mi (80 km) Radius}



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Figure 2.2-7 {BBNPP Major Public and Trust Lands Within 50 mile (80 km) Region}



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2.3 WATER

2.3.1 HYDROLOGY

This section describes surface water bodies and ground water aquifers that could affect or be affected by the construction and operation of {BBNPP}. The site-specific and regional data on the physical and hydrologic characteristics of these water resources are summarized to provide the basic data for an evaluation of impacts on water bodies, aquifers, human social and economic structures, and aquatic eco-systems of the area.

{The proposed BBNPP site is located in Salem Township, Luzerne County, Pennsylvania (PA), on the west side of the North Branch of the Susquehanna River (NBSR) (within the Middle Susquehanna), as shown on Figure 2.3-1. The proposed BBNPP site is situated in the Walker Run watershed, which has a drainage area of 4.10 mi² (10.6 km²). The site is also adjacent to Susquehanna Steam Electric Station (SSES) Units 1 and 2, and sits on a relatively flat upland area, approximately 174 ft (53 m) above the Susquehanna River water level, as shown in Figure 2.3-2. The BBNPP site is approximately:

- 1.6 mi (2.6 km) north-northeast of the confluence of Walker Run and the NBSR,
- 22 mi (35 km) downstream of Wilkes-Barre, PA,
- 5 mi (8 km) upstream of Berwick, PA, and
- 70 mi (113 km) north-northeast of Harrisburg, PA.

The climate of the site area can be described as a humid, continental, moderate climate, with cool to cold winters and long hot summers.}

2.3.1.1 Surface Water Resources

{The BBNPP site is covered by glacial deposits and was subjected to both glacial and periglacial events during the Quaternary Epoch. Underneath this glacial overburden lies Devonian bedrock. Erosion and down cutting from the Susquehanna River and its tributary streams have dissected the overburden, leaving many exposed bedrock outcrops throughout the site area. Topographic relief within a 5 mi (8 km) radius around the BBNNP site varies from just under 500 ft (152 m) mean sea level (msl), on the floodplain of the NBSR, to a maximum of approximately 1,560 ft (476 m) msl. Thus, the topographic relief within 5-mile (8 km) radius is approximately 1,060 ft (323 m).

The NBSR flows from north to south past the SSES, makes a broad, 90 degree angle turn (i.e., Bell Bend) to the west, and flows to the south of the BBNPP site before reaching Berwick, PA. The proposed BBNPP CWS Makeup Water Intake Structure site is approximately 22 mi (35 km) downstream of Wilkes-Barre, PA and 5 mi (8 km) upstream of Berwick, PA. The NBSR ultimately receives all surface water and groundwater that drains from the BBNNP site.

An east-west trending ridge lies just to the north of the BBNPP and Beach Grove Road. Small streams drain from the ridge top and flow southward toward the NBSR. Walker Run is a relatively small stream, but is the largest in the immediate vicinity of the BBNPP. Walker Run flows southward along the western side of the BBNPP, and has a gradient drop from upstream (referred in Table 2.3-1 as Upper Walker Run) to downstream (referred as Lower Walker Run in Table 2.3-1) of almost 290 ft (88 m) over a distance of approximately 4 mi (6 km). An unnamed tributary to Walker Run shown in Figure 2.3-3 as Unnamed Tributary No. 1 flows along the

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eastern and southern site boundaries and enters Walker Run on the southwest side of the site. A second unnamed tributary shown in Figure 2.3-3 as Unnamed Tributary No. 2 flows east from the BBNPP site and empties into the Unnamed Tributary No. 1. The Walker Run watershed (Figure 2.3-3) has a drainage area of 4.10 mi^2 (10.6 km^2). Based on the runoff of these streams, the Walker Run watershed can be divided into three sub-basins (A1, A2, and A3) as illustrated in Figure 2.3-3.

SSES is located approximately 1 mi (1.6 km) from the BBNPP Nuclear Island. Runoff from the SSES flows eastward towards the NBSR and does not enter the Walker Run watershed. The surface grade of the SSES was designed to direct storm water away from the safety related buildings by a system of culverts, surface drainage channels, and underground storm drains eastward towards the NBSR (PPL, 1999b). Furthermore, a topographic divide separates the runoff from the existing SSES site and the BBNPP site. Confer's Lane acts as the drainage divide for the BBNPP site in the Walker Run watershed as illustrated in Figure 2.3-5. All the drainage ditches to the west of the BBNPP site direct flow towards Stormwater Pond #1, and all ditches to the east of the BBNPP site direct flow towards Stormwater Pond #2. Runoff from the BBNPP is directed towards storm water ponds located on the east and west sides of the plant and will not impact the SSES site.

The BBNPP site utilization layout is illustrated in Figure 2.3-4. Figure 2.3-5 illustrates the BBNPP post-construction site drainage and grading. The post-construction grading of the BBNPP site directs runoff from plant north to plant south with drainage ditches collecting stormwater and diverting flow to Stormwater Pond No. 1 on the far western side of the site and Stormwater Pond No. 2, located on the southeast side of SSES plant and east of the BBNPP. In Figure 2.3-5, red arrows indicate the direction of sub-basin runoff that eventually drains into Stormwater Pond No. 1, while the green arrows show sub-basin runoff that is directed towards Stormwater Pond No. 2. Both planned storm water retention ponds, located on the west side of the nuclear island and southeastern side of the existing SSES plant respectively, will be unlined basins with simple earth-fill berms, and will include piping systems that direct discharges to the adjacent water courses. Evaluation of site drainage is presented in Section 4.2.1.5.}

The maximum water level due to local intense precipitation, or the local Probable Maximum Precipitation (PMP), at the BBNPP site is estimated and discussed in Section 4.2.1.5. The maximum water level in the BBNPP power block area due to local PMP is approximately 671 ft (204.5 m) msl.

2.3.1.1.1 Hydrological Characteristics

{An east-west trending ridge runs along the north side of the BBNPP and SSES site. The ground surface is highest in elevation along the ridge top (800 ft (244 m) msl); surface elevation decreases to the east and south toward the NBSR. Surface drainage from the ridge, the BBNPP and SSES sites, and adjacent farmlands drains via small creeks southward and eastward toward the NBSR. These creeks include two named creeks (Walker Run and Salem Creek) and several small unnamed creeks. In addition, four small ponds are located on or directly adjacent to the BBNPP site (Figure 2.3-3).

From the ridge top to the Susquehanna River, the creeks drop considerably in elevation (approximately 800 to 517 ft (244 to 158 m)). Table 2.3-1 shows the approximate lengths and approximate gradients of stream reaches located near the BBNNP Site.

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2.3.1.1.1.1 The Susquehanna River

The Susquehanna River is approximately 444 mi (715 km) in length. The headwaters of the Susquehanna River are at Cooperstown, Otsego County, located in upstate New York (NY). The Susquehanna River profile is shown in Figure 2.3-6.

The Susquehanna River Basin has a delineated area of 27,510 mi^2 (71,220 km^2) (SRBC, 2008b). The location and extent of the Susquehanna River Basin and its six (6) sub-basins are shown in Figure 2.3-1. More than three-quarters of the entire Susquehanna River basin lies in Pennsylvania (PADEP, 2008b).

In New York, several other headwater tributaries discharge into the Susquehanna River including the Unadilla, the Chenango, the Otselic and the Tioughnioga rivers (PADEP, 2008).

To the west, the Chemung River is formed by the Cohocton, Canisteo, Cowanesque, and Tioga rivers. The Chemung River joins the Susquehanna in Bradford County, PA. In total, 6,275 mi^2 (16,252 km^2) of New York drain to the Susquehanna River (PADEP, 2008).

In Pennsylvania, the Susquehanna River flows south and east before turning southwest above Wilkes-Barre. The branch of the Susquehanna River upstream from Sunbury is unofficially referred to as the North Branch of the Susquehanna River (NBSR). From Sunbury, the river flows south towards Harrisburg, being joined north of Harrisburg by another large tributary, the Juniata. Beyond Harrisburg, the Susquehanna River again turns southeast forming the boundary between York and Lancaster counties before entering Maryland (PADEP, 2008). At its mouth, it empties into the northern end of the Chesapeake Bay at Havre de Grace, Harford County, Maryland (MD), at an elevation of 0 ft (0 m) msl.

The location and extent of the Susquehanna River Basin and its six (6) sub-basins are shown in Figure 2.3-1. The BBNPP is located within the Middle Susquehanna River sub-basin. The middle Susquehanna River Sub-Basin covers an area of 3,771 mi^2 (9,763 km^2).

2.3.1.1.1.2 North Branch of the Susquehanna River (NBSR)

The branch of the Susquehanna River upstream from Sunbury is unofficially referred to as the North Branch of the Susquehanna River (NBSR). The NBSR flows southeast through high, flat-topped plateaus separated by steep-sided valleys. As it flows downstream, the NBSR is joined by the Lackawanna River where it turns southwest and flows towards Sunbury, PA (SRBC, 2008a).

The NBSR flows through 8 counties in Pennsylvania, while receiving drainage from areas within 14 counties in Pennsylvania.

BBNPP relies on the NBSR to supply water for safety-related and non-safety related purposes. Section 3.3.1 investigates natural events that may reduce or limit the available cooling water supply to ensure that an adequate water supply exists to shut down the plant under conditions requiring safety-related cooling. Furthermore, low water levels in the NBSR are investigated along with legal consumptive use restrictions.

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2.3.1.1.1.3 Gauging Stations

There is no gauging station within the Walker Run watershed. The NBSR gauging stations in Pennsylvania that gauge both surface water elevation and water flow, and are located close to the BBNPP site, include the United States Geological Survey (USGS) gauging stations at Wilkes-Barre, PA (Station No. 01536500), and Danville, PA (Station No. 01540500). These stations are located upstream and downstream of the proposed BBNPP intake structure, respectively (Figure 2.3-7).

The Wilkes-Barre gauging station is located approximately 22 mi (35 km) upstream from the proposed BBNPP intake structure. Streamflow records have been recorded at that location since April 1899 (USGS, 2008b). The drainage area of the NBSR at Wilkes-Barre is approximately 9,960 mi^2 (25,796 km^2) (USGS, 2008b) and the average annual flow calculated from the mean daily streamflow data recorded at the second USGS gauging station for a 108-year period (1899-2000) is 13,641 cubic feet per second (cfs) (386 cubic meters per second (m^3/s)). At Wilkes-Barre the maximum streamflow was recorded on June 24, 1972 as 345,000 (9,769 m^3/s) and the daily minimum streamflow was recorded on September 27, 1964 as 532 cfs (15.1 m^3/s). The maximum flood level was recorded on June 24, 1972 as 40.91 ft (12.47 m). Temperature data has not been recorded for this station.

Peak annual streamflow recorded at the Wilkes-Barre gauging station is presented in Table 2.3-2. Monthly streamflows and mean, maximum and minimum daily streamflows at Wilkes-Barre, PA, are presented in Table 2.3-3 through Table 2.3-6, respectively. Mean streamflow discharges at Wilkes-Barre are also presented in Figure 2.3-8, along with maximum and minimum monthly average values.

The USGS guage at Danville, PA (Station No. 01540500) is located approximately 28 mi (45 km) downstream from the BBNPP intake structure, and has been in continuous operation since April 1905 (USGS, 2008a). The drainage area of the NBSR at Danville is approximately 11,200 mi^2 (29,060 km^2). The average annual flow calculated from the mean daily data recorded during the 102-year period (1905-2006) is 15,483 cfs (438 m^3/s) (USGS, 2008a). At Danville, the maximum streamflow was recorded on June 25, 1972 as 363,000 cfs (10,279 m^3/s). The daily minimum streamflow was recorded on September 24th, 25th, and 27th, 1964 as 558 cfs (15.8 m^3/s) (USGS, 2008h). The maximum flood level was recorded on June 25, 1972 as 32.16 ft (9.8 m).

Peak annual streamflow recorded at the Danville gauging station is presented in Table 2.3-7. Monthly streamflows and mean, maximum and minimum daily streamflows at Danville, PA, are presented in Table 2.3-8 through Table 2.3-11, respectively. Mean streamflow discharges at Danville are also presented in Figure 2.3-9 along with maximum and minimum monthly values. Daily average temperature recorded at the Danville gauging station from 1946 to 1976 is presented in Figure 2.3-10.

2.3.1.1.1.4 Walker Run and Unnamed Tributary No. 1

Walker Run flows towards the south until it enters the NBSR at approximately River Mile 164. Walker Run collects runoff from the area surrounding the BBNNP site (Figure 2.3-3). The drainage area for the Walker Run watershed is approximately 4.10 mi^2 (10.60 km^2). Walker Run

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has a difference in elevation of approximately 450 ft (137 m) over its entire length with an overall slope of 1.95% (Table 2.3-1).

Unnamed Tributary No. 1 flows along the eastern and southern site boundaries of BBNPP and discharges into Walker Run on the southwest side of the site (Figure 2.3-3). The unnamed tributary has a drainage area of about 0.68 mi^2 (1.76 km^2) and an approximate length of 2.1 mi (3.4 km) with an overall slope of 3.06% (Table 2.3-1).

2.3.1.1.1.5 Unnamed Tributary No.2

A second unnamed tributary flows southeastward from the BBNPP site and empties into Unnamed Tributary No. 1 (Figure 2.3-3). Its drainage area is part of the Walker Run watershed.

2.3.1.1.1.6 Unnamed Tributary No. 3

A third unnamed tributary flows southeastward from the BBNPP site and empties into the NBSR about 0.8 mi (1.3 km) upstream from the Walker Run confluence (Figure 2.3-3). Its drainage area is not part of the Walker Run watershed.

2.3.1.1.1.7 Periods of Peak Streamflow

Tropical Storm Agnes is the maximum flood on record on the North Branch of the Susquehanna River (NBSR). The critical factor affecting the record flooding was the near continuous nature of rainfall during Tropical Storm Agnes. From June 21-25, an average of 6-10 inches (15-25 cm) of rain fell over the Mid-Atlantic region (NOAA, 2008). These high rainfalls produced record flooding on the Susquehanna River, equaling or exceeding flood recurrence intervals of 100 years along portions of the Susquehanna River (NOAA, 2008). Tropical Storm Agnes generated peak stream flows of 345,000 cfs (9,769 m^3/s) at Wilkes-Barre on June 24th and 363,000 cfs (10,279 m^3/s) at Danville on June 25th (USGS, 2008a) (USGS, 2008b).

On June 25, 1972, a river crest of 517.36 ft (157.7 m) msl was observed near the SSES intake structure (Ecology III, 1986).

BBNPP plant grade will be at approximately elevation 674 ft (205 m) msl; this is approximately 157 ft (48 m) above the recorded peak flood elevation of the 1972 flood near the present location of the SSES intake structure.

2.3.1.1.1.8 Bathymetry of the North Branch of the Susquehanna River (NBSR)

The bathymetry of the NBSR near the proposed intake is illustrated in Figure 2.3-11. Riverbed elevations in the vicinity of the CWS Makeup Water Intake Structure range from 473 to 484 ft (144 to 148 m) msl (Figure 2.3-11). The CWS Makeup Water Intake Structure will draw water from the NBSR from approximately 1 ft (0.3 m) below the design basis low water level elevation 484 ft (148 m) msl, as shown in Figure 3.4-5. The bathymetry of the NBSR will not be significantly affected by the intake system.

The discharge line discussed in Section 3.4.2.2 and illustrated in Figure 3.4-6 shows that the 28-4 in (10 cm) diameter port holes are located on top of the pipe at approximately elevation 476 ft (145 m) msl. The NBSR bottom elevation where the pipe discharges is at elevation 474 ft (144.5 m) msl (Figure 2.3-11).

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Information on circulation patterns and velocity vectors in the vicinity of the proposed dischrge outfall is described in Section 5.3.

2.3.1.1.1.9 Floodplain of the North Branch of the Susquehanna River (NBSR)

The elevation of the NBSR, 100-year floodplain is approximately 513 ft (156 m) msl (FEMA, 2008) and the floodplain illustrated in Figure 2.3-13 and Figure 2.3-14, is approximately 0.44 mi (0.71 km) wide in this area. Figure 2.3-15 shows that the predicted Susquehanna River flooding that will occur during a 500-yr recurrence interval extends up to elevation 514 ft (157 m) msl near the CWS Makeup Water Intake Structure. Figure 2.3-13 and Figure 2.3-14 show the 100-yr and 500-yr Susquehanna River flooding impacts in the vicinity of the BBNPP. The BBNPP plant grade elevation will be 674 ft (205 m) msl, thus the BBNPP site is approximately 161 ft (49 m) above the NBSR 100-year floodplain and 174 ft (53 m) above the nominal river level.

Figure 2.3-12 and Figure 2.3-13 illustrates the predicted 100-yr and 500-yr flood levels in the Walker Run watershed and the Susquehanna River. The 100-yr and 500-yr flood on Walker Run within the BBNPP site brings water levels to elevation 658 ft (201 m) and 659 ft (201 m) msl, respectively. The BBNPP plant grade will be at elevation 674 ft (205 m) msl. Thus, flooding from a 100-yr or a 500-yr storm should be at least 15 ft (4.6 m) below the plant grade.}

2.3.1.1.1.10 Dams and Reservoirs

{A total of 492 water control structures are located on tributaries that drain into the Susquehanna River upstream of the site (Figure 2.3-16). Information obtained for 8 significant upstream multipurpose dams with flood control storage capacity, located on tributaries that drain directly into the Susquehanna River, including pool elevations and storage volumes, is presented in Table 2.3-12 (USGS, 2002; USGS, 2008c; USGS, 2008d; USGS, 2008e; USGS, 2008f; USGS, 2008g; PPL, 1999a).

Out of these 8 dams, Aylesworth Creek Dam and Stillwater Dam are the only water control structures located within the Middle Susquehanna Sub-basin. Aylesworth Creek Dam and Stillwater Dam are located about 50 mi (80 km) and 65 mi (105 km) upstream from the BBNPP intake structure, respectively. The flood control storage volume for Aylesworth Creek Dam is approximately 8.16E+07 ft^3 (2.31E+06 m^3) and the Stillwater Dam has a flood control storage volume of approximately 5.23E+08 ft^3 (1.48E+07 m^3) (USGS, 2008c) (USGS, 2008d).

All other significant upstream multipurpose dams with flood control storage capacity located on tributaries of the Susquehanna River are in different sub-basins. The Cowanesque, Hammond and Tioga Dams are located within the Pennsylvania portion of the Chemung Sub-basin; the Almond Dam is located in the New York portion of the Chemung Sub-basin; and all other significant dams are located in New York in the Upper Susquehanna Sub-basin (Figure 2.3-16). Among all the dams in the Chemung Sub-basin, the Cowanesque Dam is closest to the site with an approximate distance of 164 river miles (264 km) upstream. Whitney Point Dam is the closest dam in the Upper Susquehanna Sub-basin, with an approximate distance of 176 river miles (283 km) upstream from the BBNPP site.

Figure 2.3-16 also shows dams8located downstream from BBNPP. The Adam T. Bower Memorial Dam is the world's largest inflatable dam and the first dam immediately downstream from the proposed BBNPP river intake structure. The Adam T. Bower Memorial Dam was

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completed in 1970 and creates a 3,060 ac (1,238 ha) lake during summer months (DCNR, 2008). The dam and lake are part of the Shikellamy State Park in Snyder County, PA.

2.3.1.2 Groundwater Resources

This section contains a description of the hydrogeologic conditions present at, and in the vicinity of the {BBNPP} site. This section describes the regional and local groundwater resources that could be affected by the construction and operation of {the BBNPP}. The regional and site-specific data on the physical and hydrologic characteristics of these groundwater resources are summarized to provide the basic data for an evaluation of potential impacts on the aquifers of the area. The location of the site, including regional and local surface hydrologic features, is described in Section 2.3.1.1.

2.3.1.2.1 Hydrogeologic Setting

The location of the {BBNPP site} is shown in Figure 2.3-2. The site is located in {Luzerne County, Pennsylvania, approximately 5.0 mi (8 km) northeast of Berwick, Pennsylvania. The climate of the site area is primarily temperate, with warm, humid summers and cold winters. The topography of the site is gently rolling with northeast-southwest trending ridges located north and south of the site (Figure 2.3-2). At the BBNPP, ground elevations range from 650 ft (200 m) msl along Walker Run in the southwest corner of the site up to elevations of approximately 800 ft (244 m) msl on the hilltop located just north of the power block (Figure 2.3-3). North of Beach Grove Road, the elevation rises sharply upward to elevations of 1,100 to 1,150 ft (335 to 351 m) msl along the crest of the ridge (Figure 2.3-3). Thus, total topographic relief in the immediate vicinity of BBNPP is approximately 500 ft (150 m). Walker Run drops another 150 ft (46 m) in elevation before reaching its confluence with the NBSR.

The BBNPP site lies toward the northeastern end of the Ridge and Valley Province in northeastern Pennsylvania (Figure 2.3-17). The site is only 8 mi (13 km) south of the Appalachian Plateaus Province. Within the Ridge and Valley Province, the site lies in the Susquehanna Lowland Section (Figure 2.3-17), close to the North Branch of the Susquehanna River. In the vicinity of the BBNPP site, the total thickness of Paleozoic sedimentary rocks overlying the Precambrian crystalline basement is approximately 33,000 ft (10,000 m). The Paleozoic sedimentary rocks form a wedge that is thickest in eastern Pennsylvania and gradually thins to the north and west across the state. The sedimentary rocks include sandstone, siltstone, shale, and limestone units, with lesser amounts of coal and conglomerate of Cambrian to Pennsylvanian age. The coal and conglomerate units are generally limited to the Mississippian- and Pennsylvanian-age rock formations (i.e., the uppermost Paleozoic formations). See Section 2.6.2 for additional details regarding stratigraphy and structural geology.

Groundwater in the bedrock formations is present primarily in secondary openings, including fractures, joints, and bedding plane separations. Solution of calcareous material, especially along fractures and bedding planes, greatly increases the secondary porosity and permeability of the carbonate rock units. Primary porosity and permeability of bedrock is typically very low. As a result, the ability of the non-carbonate bedrock to store groundwater or yield water to wells is typically less than the carbonate formations.

In the northeastern and northwestern corners of Pennsylvania, the bedrock is overlain by a variable thickness of glacial till, outwash, colluvium, kame, and kame terrace deposits of Pleistocene age (Figure 2.3-18). A large percentage of these surficial glacial materials were deposited during the last major glacial advance (Wisconsinan Stage; 17,000 to 22,000 years

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before present). The BBNPP site lies at the edge of where the Wisconsinan glacier made its farthest advance (Figure 2.3-18). As a result, end moraine deposits have been mapped at the BBNPP site (Crowl, 1980).

Extensive amounts of outwash sand and gravel were deposited in major stream valleys as the Illinoian and Wisconsinan Stage glaciers advanced and retreated. These outwash and kame terrace deposits constitute some of the most permeable aquifers in the region (Lohman, 1937) (Hollowell, 1971) (Taylor, 1984) (Williams, 1987). The outwash deposits in the Susquehanna River valley are especially thick and permeable in some places. In these glacial, alluvial, and other unconsolidated deposits, the porosity and permeability are primary (i.e., intergranular).

Most of Pennsylvania lies in three primary physiographic provinces (Figure 2.3-17). From northwest to southeast, these are:

- Appalachian Plateaus Province,
- Ridge and Valley Province, and
- Piedmont Province

A brief discussion of groundwater within the provinces is included below to provide an introduction to Pennsylvania's hydrogeologic regimes.

2.3.1.2.1.1 Appalachian Plateaus Physiographic Province

The Appalachian Plateaus Province extends over most of West Virginia, more than one-half of Pennsylvania, and small parts of westernmost Virginia and Maryland. The province lies approximately 8 mi (13 km) north and west of the BBNPP site. It is bounded on the east and southeast by the Ridge and Valley Province. The Appalachian Plateaus Province is underlain by Cambrian- to Permian-age (i.e., Paleozoic) rocks that are continuous with those of the Ridge and Valley Province, but in the Appalachian Plateaus Province the sedimentary rocks are nearly flat-lying, rather than being intensively folded and faulted (Trapp, 1997).

The Appalachian Plateau aquifers are contained in Paleozoic sedimentary rocks consisting mostly of shale, sandstone, conglomerate, and limestone. Coal beds are found in rocks of Pennsylvanian age. The water-yielding characteristics of these aquifers vary significantly due to local variations in lithology and thickness of the geologic units. Most of the productive aquifers lie within sandstones or conglomerates, but many limestone formations can also yield significant volumes of water (Trapp, 1997).

2.3.1.2.1.2 Ridge and Valley Physiographic Province

The northeast-southwest trending Ridge and Valley Physiographic Province extends from West Virginia and Maryland to northeastern Pennsylvania, and covers approximately one quarter of Pennsylvania. This Province is bounded to the north and west by the Appalachian Plateaus Province and to the southeast by the Piedmont Province (Figure 2.3-17). The Ridge and Valley Province is characterized by layered Paleozoic sedimentary rocks that have been complexly faulted and folded. These rocks range in age from Cambrian to Pennsylvanian. Elongated mountain ridges are formed by well-cemented sandstones and conglomerates that are resistant to weathering. These ridges typically are the remnant flanks of breached anticlines. Limestone, dolomite, and shale are more easily weathered and eroded and, as a result, form the intervening valleys between the ridges.

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The principal aquifers in the Ridge and Valley Province are carbonate rocks (limestone and dolomite) and sandstones that range in age from early to late Paleozoic Era. Most of the more productive aquifers are composed of carbonate rocks, primarily limestone, and are found primarily in the valleys. However, the water-yielding character of the carbonate rocks depends upon the degree of fracturing and development of solution cavities in the rock. Sandstone formations can also yield large volumes of water where these rocks are well fractured. Generally, the carbonate aquifers occur in early Paleozoic rocks; whereas, the sandstone aquifers are more frequently found in late Paleozoic rocks (Trapp, 1997).

Sand and gravel deposits derived from glacial outwash, kame terrace, and ground moraine also form a very productive aquifer (Glacial Overburden aquifer).

2.3.1.2.1.3 Piedmont Physiographic Province

The Piedmont Physiographic Province lies southeast of the Great Valley Section of the Ridge and Valley Province (Figure 2.3-17). The Piedmont Province is bounded on the east by the Fall Line. The Fall Line is a zone of rapids that marks the position where streams flow from Piedmont Province's consolidated rocks to the Coastal Plain's unconsolidated sediments. The Piedmont Province is about 60 miles (97 km) wide in southeastern Pennsylvania.

In Pennsylvania, the Piedmont Province is divided into the Piedmont Lowland Section, the Gettysburg-Newark Lowland Section, and the Piedmont Upland Section (Figure 2.3-17). With the exception of the Piedmont Lowland Section, the majority of the Piedmont Province consists mainly of rolling low hills and valleys developed on red sedimentary rock (DCNR, 2007a). Almost all of the underlying sedimentary rock dips to the north or northwest with relatively low relief. The Piedmont Lowland Section consists of broad, moderately dissected valleys separated by broad low hills and is developed primarily on limestone and dolomite rock highly susceptible to karst topography (DCNR, 2007b).

The Gettysburg-Newark Lowland Section runs adjacent to the Great Valley Section of the Ridge and Valley Province as shown in Figure 2.3-17. The Gettysburg-Newark Section consists mainly of rolling low hills and valleys developed on red sedimentary fluvial and lacustrine clastic rock deposits (Root, 1999). These sedimentary basins formed within early Mesozoic crustal rift zones and contain shale, sandstone, and conglomerate, interbedded locally with basalt lava flows and minor coal beds. In some places, these rocks are intruded by diabase dikes and sills (Trapp, 1997).

The Piedmont Upland section is underlain primarily by metamorphosed and complexly deformed sedimentary, volcanic, and plutonic rocks (Crawford, 1999). Overlying this basement to the west are the metacarbonate rocks of Cambrian and Ordovician age and Mesozoic clastic sedimentary rocks to the east (Crawford, 1999). Elevation in the Piedmont Province ranges from 20 to 1,355 ft (6 to 413 m) msl (DCNR, 2007b) (DCNR, 2007c) (DCNR, 2007d).

Aquifers in the Piedmont Province lie predominantly in the shallow, fractured igneous and metamorphic rocks. In topographically low areas, aquifers also exist within the carbonate rocks and sandstones (Trapp, 1997).}

2.3.1.2.2 Regional Hydrogeologic Description

{In the Ridge and Valley Province of Pennsylvania, groundwater is found in and produced from all of the rock formations, including shales and clay shales. This is partially due to the fact that they

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have been folded, faulted, and fractured. As a result, there are no extensive aquitards in the vicinity of BBNPP. In the clastic sedimentary rocks (mainly sandstones, siltstones, and shales), the ability of the rock to store and transmit groundwater is greatly affected by the degree of fracturing, the separation (aperture) or open space within the fractures, and the degree of cementation or infilling of the fractures and joints.

The bedrock stratigraphic units cropping out within and surrounding the BBNPP site are shown on Figure 2.3-19 and Figure 2.3-20. The BBNPP site is located on the north limb of the Berwick Anticlinorium, a moderately complex, first-order fold which trends in a northeast-southwest direction (N76°E) and plunges to the east-northeast at 2 to 4 degrees (Inners, 1978). The fold is slightly asymmetrical within the Berwick quadrangle. Dips average about 35° on the south limb and 40° on the north limb; however, dip angles greater than 75° have been recorded on the north limb (Inners, 1978). The plan view of the surface bedrock units are shown on Figure 2.3-19 and Figure 2.3-20. A geologic cross section (A-A') oriented perpendicular to the centerline of the anticlinorium is shown in Figure 2.3-20. The Mahantango Formation (Middle Devonian) underlies nearly the entire area south of Beach Grove Road all the way southward to the North Branch of the Susquehanna River, including the BBNPP and SSES sites (Figure 2.3-19). The formations that are younger than the Mahantango Formation (e.g., Harrell Shale, Trimmers Rock Formation) are located north of the BBNPP site and are completely absent at the site. Formations that are older than the Mahantango Formation lie deep beneath the BBNPP site (e.g., 1,500 ft bgs or more.) and crop out to the west-southwest along the centerline of the anticlinorium (Figure 2.3-19 and Figure 2.3-20).

The bedrock is overlain by a variable thickness of glacial till, outwash, colluvium, kame, and kame terrace deposits of Pleistocene age (Figure 2.3-21). A large percentage of these surficial glacial materials were deposited during the last major glacial advance (Wisconsinan Stage; 17,000 to 22,000 years before present). Extensive amounts of outwash sand and gravel were deposited in major stream valleys as the Wisconsinan glaciers advanced and retreated. These outwash deposits contain some of the thickest, coarsest, best sorted, and most permeable glacial deposits in the region. As a consequence, the glacial overburden deposits, along with recent alluvium, constitute the most productive aquifer in the area (referred to as the Glacial Overburden aquifer.

2.3.1.2.2.1 Glacial Overburden Aquifer

The Glacial Overburden aquifer unit includes all of the glacial outwash, kame, kame terrace, till, colluvium, alluvium, and other unconsolidated surficial deposits (Figure 2.3-21 and Figure 2.3-22). These deposits overlie the bedrock, are saturated, and transmit groundwater. This aquifer can be divided into two parts. The upland aquifer includes all of the unconsolidated deposits located above major stream valleys, including the overburden deposits immediately surrounding BBNPP. The valley aquifers include glacial outwash and recent alluvium contained within the lowland valleys of major streams (e.g., North Branch Susquehanna River (NBSR)). These outwash and kame terrace deposits constitute one of the most permeable aquifers in the region (Lohman, 1937) (Hollowell, 1971) (Taylor, 1984) (Williams, 1987). The outwash deposits in the Susquehanna River Valley are especially thick and permeable in places.

2.3.1.2.2.2 Catskill Formation

The Catskill Formation consists of three members: the upper Duncannon Member, the middle Sherman Creek Member, and the lower Irish Valley Member. The Duncannon Member consists of approximately 1,100 ft (335 m) of repetitive, fining-upward cycles of greenish-gray and

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grayish-red sandstone, siltstone, and shale; each cycle is generally 30 to 65 ft (9 to 20 m) thick (Williams, 1987). The Sherman Creek Member is approximately 2,500 ft (762 m) thick and consists of interbedded grayish-red shale, siltstone, and sandstone. The Irish Valley Member is approximately 1,800 to 2,000 ft (549 to 610 m) thick and also consists of interbedded shale, siltstone, and sandstone. However, this member is primarily greenish-gray to gray. Altogether, the Catskill Formation is approximately 5,400 to 5,600 ft (1,646 to 1,707 m) thick. The Catskill Formation is not present at the BBNPP site. It crops out at the ground surface approximately 1.3 to 2.9 mi (2.1 to 4.7 km) north of the site (Figure 2.3-19). The Duncannon Member is the most resistant to erosion and forms the steeper southern flank of Lee Mountain (north of the site) and the northern flank of Nescopeck Mountain south of the NBSR (Figure 2.3-20).

2.3.1.2.2.3 Trimmers Rock Formation

The Trimmers Rock Formation consists of medium dark gray, very fine to fine-grained sandstone (25 percent), medium to dark gray siltstone and silty shale (60), and medium dark to dark gray, silty clay shale (15 percent) (Inners, 1978). Sandstone occurs mostly in the upper 2,300 to 2,500 ft (700 to 760 m) in beds 2 in to 5 ft (5 to 152 cm) thick (Inners, 1978). The Trimmers Rock Formation is moderately resistant to erosion, underlies upland terrain of moderate relief, and forms the steep escarpments on the north and south sides of the Susquehanna River Valley (Inners, 1978). The formation thickness is approximately 3,000 ft (915 m) on the north side of the anticlinorium.

2.3.1.2.2.4 Harrell and Mahantango Formations

The Harrell Formation is a dark gray to grayish black clay shale and silty clay shale. It is noncalcareous, locally carbonaceous, pyritic, and frequently jointed. The formation is about 120 ft (37 m) thick (Inners, 1978). Because this formation has low resistance to weathering, it forms an east-west trending swale (located on the south side of Beach Grove Road) along the foot of the ridge formed by the Trimmers Rock Formation.

The Mahantango Formation is approximately 1,500 ft (460 m) thick and consists primarily of dark gray, silty to very silty claystone. The Tully Member (the uppermost section of the Mahantango Formation) is about 50 to 75 ft (15 to 23 m) thick and consists of argillaceous, fine-grained limestone and calcareous clay shale (Inners, 1978). Frequent joints and intense cleavage development causes the claystone to become splintery, chippy, and fragmented upon weathering. The Mahantango Formation has low to moderate resistance to weathering and forms lowland terrain. However, knobs and ridges of moderate relief have formed where more resistant silty and calcareous beds of the Mahantango Formation, such as the Tully Member, crop out (Inners, 1978).

2.3.1.2.2.5 Marcellus Formation

The Marcellus Formation is approximately 350 ft (110 m) thick and consists of dark gray to black clay shale (Inners, 1978). It is slightly silty in the upper part, noncalcareous to slightly calcareous, pyritic, and carbonaceous. The Marcellus Formation has low resistance to weathering and forms lowlands, but also forms several knobs on the crest of the anticlinorium east of Berwick, Pennsylvania (southwest of BBNPP).

2.3.1.2.2.6 Onondaga and Old Port Formations

The Onondaga Formation is approximately 175 ft (53 m) thick and consists of medium dark gray, calcareous shale and gray argillaceous, fine-grained limestone (Inners, 1978). The Old Port

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Formation is 100 to 150 ft (30 to 45 m) thick. It consists of dark gray, argillaceous, fine-grained limestone; medium to dark gray, calcareous clay shale; and medium gray, silty, cherty, fine-grained limestone (in descending stratigraphic order). Cleavage is moderately well developed.

2.3.1.2.2.7 Keyser and Tonoloway Formations

The Keyser Formation is composed of gray to bluish gray, thin- to thick-bedded limestone. The limestone is, in part, argillaceous and dolomitic. The Tonoloway Formation consists of laminated, gray to dark gray limestone. Dolostone occurs in the lower part. These two formations are the primary carbonate aquifers in the area.

2.3.1.2.2.8 Water Yielding Characteristics of the Geologic Materials

Domestic and non-domestic wells have been installed in every one of the geologic formations in the area. There are, however, large variations in hydraulic conductivity properties and well yields within each formation, and between formations. Hydraulic conductivities and well yields in the rock formations will be greater if the frequency of fracturing is high, apertures of the fracture openings are large, and the degree of cementation in the fractures is low.

Table 2.3-13 presents physical characteristics data for wells located in the NBSR Basin in Pennsylvania (Taylor, 1984). In general, wells have been installed in all formations and the median depth to water in all formations ranges from 16 to 60 ft (5 to 18 m) below ground surface (bgs). The reported well yields and specific capacities for these wells are listed in Table 2.3-14. Wells screened in alluvium and glacial deposits generally have the highest values of yield and specific capacities, which implies that the hydraulic conductivity of this aquifer is also generally greater than the underlying rock units. According to data in Table 2.3-14, 25 percent of the nondomestic wells screened in alluvium and/or glacial deposits can produce more than 500 gpm (1,890 lpm). Wells screened in the Lower Devonian Onondaga, Old Port, Keyser, and Tonoloway Formations display higher yields and specific capacities than the other rock units and, in some cases, the yields and specific capacities approach those of the alluvium and glacial deposits. The Lower Devonian formations consist of limestone, dolomite, and calcareous shale units. Dissolution along fractures, joints, and bedding planes has enlarged the openings and thereby created a greater number of water-producing zones, which transmit groundwater more efficiently. Yields and specific capacities of wells screened in the Mahantango and Marcellus Formations are moderately high; 25 percent of the measured well yields were greater than 175 gpm (662 lpm).

Table 2.3-15 lists specific capacities for wells in a smaller area that includes the BBNPP site. For this set of data, the median and 75th-quantile specific capacities for the alluvium/glacial outwash aquifer were again the highest, followed by the specific capacities of the Lower Devonian formations (Onondaga, Old Port, Keyser, and Tonoloway).

When the well yield and specific capacity data are evaluated based on lithologic characteristics alone and not formation names (Table 2.3-15 and Table 2.3-16), it is clear that the wells screened in sand and gravel (e.g., alluvium, glacial outwash, and kame deposits) and carbonate rocks generally have the highest values of yield and specific capacity. A frequency distribution chart (Figure 2.3-23) shows the general relationships between well yields and lithologic rock type. Even shales have moderate well yields and specific capacities, so they cannot be classified as aquitards.

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If well yields are grouped according to topographic setting (Figure 2.3-24), then the valley wells generally have greater well yields and the wells located on ridges and hilltops generally have lower yields. This can be explained by the fact that the carbonate rocks almost always occur at shallow depth in the valley bottoms and the ridges are generally capped by more resistant sandstones and siltstones. Thus, the correlation between well yields and topographic setting is actually a reflection of the relationship between well yields and rock lithologies. In addition, the most permeable sand and gravel deposits are located in the valleys.

Besides the factors of lithology and topographic setting, there are other factors which affect the fracturing of rocks, well yields, and specific capacities of wells. In general, the size and frequency of water-bearing zones decreases with depth, because the confining pressure increases and the fractures close as the weight of rock above increases. In the Berwick area, it has been shown (Williams, 1987) this to be true for both carbonate and non-carbonate rock types (Figure 2.3-25). Thus, the hydraulic conductivities of all rock formations are expected to decrease with depth.

2.3.1.2.2.9 Precipitation, Water Budgets, and Groundwater Recharge

A water budget is a quantitative expression of the major components of the hydrologic cycle. Water that enters a basin as precipitation is balanced against water that leaves a basin as evapotranspiration and streamflow. This balance can be expressed by the following equation:

$$P = R_s + R_g + ET + \Delta S$$

where P = precipitation, R_s = surface or direct runoff, R_g = groundwater discharge to streams and wells, ET = water lost by evaporation and transpiration, and ΔS = change in the amount of water in storage. Total streamflow equals $R_s + R_g$. P, R_s, R_g and ΔS can be measured directly. ET is usually estimated as a residu

The annual amount of precipitation in the NBSR Basin is highly variable, spatially and temporally. Precipitation data collected from eight weather stations in the NBSR Basin and several outside the basin was used (Taylor, 1984) to prepare a contour map showing the distribution of average annual precipitation for the basin (Figure 2.3-26). The data were collected between 1941 and 1970. Relatively low levels of precipitation occurred along the valleys of the Susquehanna and Lackawanna Rivers, and in the northwestern part of the Basin. Based on Figure 2.3-26, the average annual precipitation for the BBNPP site was approximately 38 to 39 in (97 to 99 cm) per year between 1941 and 1970. Average annual precipitation does not reflect the variability that can occur from year to year at a single location. Figure 2.3-27 presents the variability of annual precipitation at two stations in the southern part of the NBSR Basin. The total annual precipitation varied from 25 to 56 in (64 to 142 cm) per year between 1931 and 1980.

The water budget for three drainage basins in the NBSR Basin of Pennsylvania has been evaluated (Taylor, 1984), using data from a 20-year span (1961 to 1980). The locations of these three basins are presented in Figure 2.3-28. Towanda Creek and Tunkhannock Creek basins are both located in the Appalachian Plateaus Province; whereas, the Wapwallopen Creek Basin is located in the Ridge and Valley Province. The Wapwallopen Creek Basin is also located closest to the BBNPP site (approximately 2 mi (3.2 km) southeast of the BBNPP across the NBSR). A summary of the water budget analyses are presented in Table 2.3-17. The average annual rainfall for the Wapwallopen Creek Basin (44 in/yr (112 cm/yr)) was greatest, and so was

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groundwater discharge (14.2 in/yr (36 cm/yr)). From this table, the high variability in rainfall, surface runoff, and groundwater discharge was observed in all three basins. The rate of evapotranspiration was somewhat less variable. It was noted (Taylor, 1984) that, of the three basins, the groundwater recharge rate (approximately equal to ground water discharge rate) was greatest in the Wapwallopen Creek Basin. He calculated that the average rate of groundwater recharge is approximately 14.2 in/yr (36 cm/yr) over the entire basin, which equates to 32% of the average annual precipitation. Figure 2.3-29 presents the variability that was determined for total runoff and groundwater runoff over a 60-year period. Annual groundwater discharge (equal to annual groundwater recharge) ranged from approximately 7 to 22 in/yr (18 to 56 cm/yr).

Groundwater recharge rates per unit area were also calculated (Taylor, 1984), based on the total area of each watershed. Annual groundwater recharge rates for Wapwallopen Creek Basin ranged from 218 to 721 gpm/mi^2 (319 to 1,054 lpm/km^2) over 20 years, and averaged 469 gpm/mi^2 (685 lpm/km^2). Two other small drainage basins west of BBNPP were analyzed (Williams, 1987) and found similar hydrologic conditions. Data presented in Table 2.3-17 compares a dry period and a wet period for the two basins evaluated (Williams, 1987). For the two basins evaluated (East Branch of Chillisquaue and Fishing Creek) the annual evapotranspiration rate does not vary significantly between the two periods; however, surface water runoff and groundwater discharge did decline significantly during the dry period.

2.3.1.2.2.10 Fluctuations in Groundwater Elevations

Water contained in aquifers is derived from surface infiltration and recharge processes. The amount of rise and fall in ground water elevations is reflective of the annual cycles of recharge. During periods of low rainfall and high ET, groundwater continues to flow toward streams, ponds, wetlands, wells, and other points of discharge. Low rates of recharge and increased ET will cause groundwater levels to gradually decline. Groundwater elevations typically decline in summer and fall, when precipitation rates are at their annual low and ET rates are at their greatest.

The effective porosity of the aquifer also affects ground water elevation. Aquifers with large effective porosities store more water. As a result, more ET or other stresses (such as pumping wells) on these aquifers have less of an effect on the groundwater elevations. Bedrock aquifers with low primary porosity and permeability characteristics do not store a lot of water. As a result, low recharge rates or high rates of groundwater removal will cause water levels in these aquifers to fluctuate more quickly and the magnitude of fluctuations is usually greater.

The USGS monitors groundwater elevations in select monitoring wells across the Commonwealth of Pennsylvania. Hydrographs of four example monitoring wells located in Luzerne County are presented in Figure 2.3-30 and Figure 2.3-31. Hydrographs for two wells screened in the glacial outwash (Figure 2.3-30) show that annual fluctuations of water levels were approximately 8 to 14 ft (2.4 to 4.3 m). In general, the highest groundwater levels in these two wells also occurred in the winter and spring months each year. Hydrographs for two wells screened in the Catskill Formation (Figure 2.3-31) show that annual fluctuations of water levels were approximately 6 to 8 ft (1.8 to 2.4 m). The highest groundwater levels generally occurred in the winter and spring months each year.}

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2.3.1.2.3 Local and Site-Specific Hydrogeologic Descriptions

{At the BBNPP site, ground elevations range from 650 ft (200 m) msl along Walker Run in the southwest corner of the site up to elevations of approximately 800 ft (244 m) msl on the hilltop located just north of the power block (USGS, 1989). North of Beach Grove Road, the elevation rises sharply upward to elevations of 1,100 to 1,150 ft (335 to 350 m) msl along the crest of the ridge (Figure 2.3-3). Thus, total topographic relief in the immediate vicinity of BBNPP is approximately 500 ft (150 m). The creeks, ponds, and wetlands within the area influence the shallow aquifer systems beneath the site, and vice versa.

Geotechnical and hydrogeological investigations have provided information on the BBNPP site to depths of 600 ft (183 m) bgs. Subsurface information was collected from over 73 borings and monitoring wells. A detailed description of the geotechnical subsurface investigation, including the locations of the borings is provided in Section 2.6. Details regarding the depth and geologic materials encountered in these borings are also described in Section 2.6.

Forty-one (41) groundwater observation wells were installed across the site (Table 2.3-18). Twenty-six (26) of these wells were installed as 2 in (5 cm) or or 4 in (10 cm) diameter monitoring wells. The remaining 15 monitoring wells are 1 to 1.5 in (2.5 to 3.8 cm) in diameter and were installed in geotechnical borings once the borings were completed. Table 2.3-18 specifies which monitoring wells were installed in geotechnical borings and which specific boring is associated with each well. Of the 41 monitoring wells installed, 14 of them are screened in the glacial overburden deposits, or Glacial Overburden aquifer ("A" wells), 19 are screened in shallow bedrock ("B" wells, including MW313C, excluding MW302B and MW307B), and 8 are isolated in deeper bedrock which are 175 ft (53 m) bgs or deeper ("C" wells, including MW302B and MW307B, excluding MW313C). Monitoring wells MW302B and MW307B were originally intended to be "B" wells. However, shallow bedrock was very tight with few water-bearing zones. Hence, these two wells were drilled deeper than originally intended and are now grouped with the "C" wells. The total depth of Monitoring Well MW313C was originally intended to be 200 ft (61 m) deep. However, blockage occurred near the bottom of the boring and the well could not be installed down to 200 ft (61 m) bgs. Instead, the bottom portion of the boring was grouted and the well screen was set at a depth of 130 ft (40 m) bgs. Therefore, this well is grouped with the shallow bedrock "B" wells.

The locations of monitoring wells are presented on Figure 2.3-32. The wells were located in order to provide adequate distribution with which to determine site groundwater levels, subsurface flow directions, and hydraulic gradients beneath the site. Well clusters were installed at selected locations to determine vertical gradients. Monthly water levels were measured in monitoring wells from October 2007 through September 2008 (Table 2.3-19). Water level elevations were also measured monthly in four ponds and seven stream locations. The surface water monitoring locations are shown on Figure 2.3-33. Surface water elevation data are tabulated in Table 2.3-20. The water levels in the four ponds are assumed to be continuous with the local water table in the glacial overburden, and have been used to construct the potentiometric surfaces for the Glacial Overburden aquifer.

Measurements of the ground water flow and quality in the BBNPP vicinity continue into the Fourth quarter of 2008. The final report on the measurements will be provided to the NRC in a supplement to this application.

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Figure 2.3-34 shows the locations of two hydrogeologic cross sections, which are presented in Figure 2.3-35 and Figure 2.3-36. They extend through the entire BBNPP site and continue south and east, respectively, to the Susquehanna River. These cross sections are based on the geotechnical borings and monitoring wells installed at the BBNPP site, monitoring wells at the SSES, and domestic wells north and south of the BBNPP.

2.3.1.2.3.1 Geohydrology

The elevations, thicknesses, and descriptions of the geological materials comprising the geological strata encountered to depths up to 600 ft (180 m) bgs were determined from the BBNPP geotechnical and hydrogeological borings. Geotechnical and geological descriptions of the material encountered at the BBNPP site are described in Section 2.6.

Glacial Overburden Aquifer

The Glacial Overburden aquifer consists almost entirely of sand and gravel deposited during the Pleistocene Epoch. These deposits include stratified kame, kame terrace, and outwash, as well as unstratified ground moraine, end moraine, and colluvial deposits. On the upland terrace occupied by the BBNPP and SSES, the glacial deposits are 0 to 100 ft (0 to 30 m) thick. Figure 2.3-37 presents a map showing the saturated thickness of the glacial overburden for the entire BBNPP site. The greatest thickness of overburden at the BBNPP site (approximately 60 ft (18 m)) occurs along Beach Grove Road on the north side of the site (at monitoring well MW305B) and southeast of the power block area at monitoring well MW313B).

At the SSES, kame and glacial outwash deposits are up to 100 ft (30 m) thick near the north and eastern sides of the Spray Pond. There is an elongated trough of glacial deposits that trends east-west and parallels Beach Grove Road. This channel thins to the west near the MW303 monitoring well cluster. The trough drops in elevation as it passes eastward through the SSES property. SSES production wells TW-1 and TW-2 are screened in this elongated wedge of glacial sand and gravel. This trough is shown on Figure 2.3-38, which displays the topography of bedrock erosional surface. The "northern trough" probably represents an outwash channel that was deeply eroded by glacial meltwater as the Wisconsinan glacier advanced, and was filled by outwash, kame, and moraine deposits as the glacier overrode the site and then retreated. The northern trough drops in elevation to the east and empties into the Susquehanna River Valley deposit.

A second trough of thick glacial sand and gravel deposits starts near Confers Lane Road (County Road T-438), trends west-southwest, and passes through the southern edge of the BBNPP power block area (Figure 2.3-38 and Figure 2.3-39). As mentioned previously, the greatest thickness of glacial sand and gravel deposits has been measured in the "southern trough" at monitoring well MW313C.

The northern trough (Figure 2.3-38) is bounded on the north side by Beach Grove Road and the ridge to the north formed by Trimmers Rock Formation (resistant siltstone and sandstone). The northern trough is separated from the southern trough by a series of hills which represent Mahantango Formation bedrock highs. This series of hills paralleling the bedrock strike represents the more resistant Tully Limestone Member that is found at the top of the Mahantango Shale. These hills include the bedrock high that occurs below the CWS cooling towers at the SSES, the two hills on the northern side of the BBNPP site (location of the BBNPP cooling towers and apple orchard), and another hill located directly west of the BBNPP CWS cooling

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towers on the west side of Walker Run. These hills are dissected by small creeks and drainages that run north to south. Walker Run flows through the western notch that separates the hills on the BBNPP site from the hill located west of Walker Run (Figure 2.3-38). A southward-flowing, Unnamed Tributary No. 1 flows through the eastern notch that separates the two BBNPP hills from the SSES bedrock high. The SSES West Building lies in the bedrock low that separates the SSES bedrock high from the BBNPP bedrock hills (Figure 2.3-38).

Another set of hills (bedrock highs) lie along the southern edge of the BBNPP site and extends westward on the west side of Walker Run and eastward onto SSES property (Figure 2.3-38). Walker Run flows southwestward through a gap between the bedrock hills located halfway between surface water gauging stations G2 and G13 (Figure 2.3-33). Groundwater in the southern trough also discharges to the southwest through this gap.

The thickness of the glacial overburden varies from 12.5 to 62.0 ft (3.8 to 18.9 m) in the vicinity of the power block. With the exception of some loose sand pockets, the overburden consists of over-consolidated, brown silty sand and sand containing gravel and large rounded cobbles and boulders. The presence of the boulders increases with depth.

Harrell Shale

The Harrell Shale is approximately 120 ft (36 m) thick, is located along the northern edge of the site, and dips to the north beneath the ridge formed by the Trimmers Rock Formation. Because the Harrell Shale is weaker and less resistant to weathering and erosion, the northern trough has formed where the Harrell Shale crops out. Lithologically, the Harrell Shale is similar to the noncalcareous Mahantango shale units. It is believed the hydraulic properties of the Harrell Shale are also similar to those of the Mahantango Shale.

Mahantango Shale

The Mahantango Shale is approximately 1,500 ft (460 m) thick. The uppermost portion of the formation (Tully Member) crops out in the hills where the SSES cooling towers are located (Figure 2.3-3) and the hills where the BBNPP cooling towers will be located (not shown on figure).

Shale, calcareous shale, and silty shale units of this formation are the uppermost bedrock southward and eastward from the BBNPP site to the Susquehanna River (Figure 2.3-19). Because the Harrell and Mahantango shales are so similar, they will be treated as a single, continuous bedrock aquifer in the area. The shale aquifer is folded, jointed, and fractured. The degree of fracturing is one of the most important factors that affect the hydraulic conductivity of the Mahantango and Harrell Shales, as discussed in Section 2.3.1.2.3.3. The exact depth to the next formation (Marcellus Shale) is unknown but is believed to be 1,000 to 1,200 ft (300 to 365 m) below the BBNPP ground surface. In addition, because of its depth, the hydraulic conductivity of the Marcellus Formation is expected to be much lower than the hydraulic conductivity of the Mahantango Shale. Therefore, the evaluation of the groundwater flow system does not include the Marcellus Shale or older (deeper) formations.

2.3.1.2.3.2 Observation Well Data and Subsurface Pathways

Water level data measured from groundwater observation wells and surface staff gauges installed for the BBNPP site were used to:

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- Develop groundwater potentiometric surface maps,
- Determine groundwater flow directions (horizontal and vertical) and hydraulic gradients,
- Evaluate short-term and seasonal changes in surface water and groundwater elevations and gradients,
- Identify areas of potential groundwater recharge and discharge, and
- Calculate flow velocities of groundwater.

A total of 41 observation wells with depths extending to 400 ft (120 m) bgs were installed in September and October 2007 (except MW301C, which was installed in May 2008). Observation wells were installed in three different groundwater-bearing intervals (Table 2.3-18):

- 14 wells were screened in the Glacial Overburden aquifer at depths of 9.2 to 76.0 ft (2.8 to 23.2 m) bgs ("A" wells),
- 19 wells were screened in shallow shale bedrock 50 to 181 ft (15 to 55 m) bgs ("B" wells, including MW313C, and excluding MW302B and MW307B), and
- 8 wells were screened in the Deep Shale Bedrock aquifer at 170 to 400 ft (52 to 122 m) bgs ("C" wells, excluding MW313C, and including MW302B and MW307B).

The Glacial Overburden aquifer is distinctly different than the shale bedrock aquifer. The shale bedrock aquifer has been divided into "shallow" and "deep" bedrock aquifer, as a means to determine if the hydraulic properties, the hydraulic potentials, or the groundwater flow directions are different between the shallow and deeper shale bedrock. In other words, the division of "shallow" versus "deep" provides a means to evaluate groundwater flow characteristics in the bedrock in three dimensions, rather than two dimensions. A depth of 175 ft (53 m) bgs has been selected as the division between the "Shallow" and "Deep" Bedrock aquifers.

Monitoring well locations are shown in Figure 2.3-32. A total of 31 monitoring wells were installed at the first 10 drilling locations (MW301-MW310), thereby creating 10 well clusters. Well clusters are a series of wells placed at the same location, with each well installed in a different water-bearing interval. Each cluster consists of two or more wells. This was done in order to measure vertical differences in hydraulic head, vertical hydraulic gradients, and vertical differences in hydraulic conductivity.

Water level measurements in monitoring well MW311C indicate that the well was very slow to recover after the initial installation and development. The water level measurements from this well indicate that the water level rose very slowly and does not correspond to other water levels measured in the vicinity. Accordingly, the groundwater elevation maps, flow directions, and flow rates presented below do not consider data from this well.

The geotechnical borehole B301, corresponding to Monitoring Well MW301C, was drilled in September 2007, but was left as an open borehole until geophysical testing could be completed. The well (MW301C) was not installed until May 2008. As a result, measurements of water levels in this well became available starting in May 2008.

Between October 2007 and September 2008, water levels in the monitoring wells were measured monthly to characterize seasonal trends in groundwater levels, flow directions, and hydraulic gradients for the BBNPP site (Figure 2.3-40 through Figure 2.3-44). In addition,

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pressure transducers were installed in six monitoring wells and two surface water monitoring stations between April and September 2008 to evaluate short-term fluctuations in the water level (Figure 2.3-45 and Figure 2.3-46). The following groundwater potentiometric surfaces, hydraulic gradients, and temporal trends are based on these data.

Measurements of the ground water flow and quality in the BBNPP vicinity continue into the Fourth quarter of 2008. The final report on the measurements will be provided to the NRC in a supplement to this application.

Glacial Overburden Aquifer

Surface water and groundwater flows from north to south through the notches between the hills located on the south side of Beach Grove Road. Walker Run flows southward through the "western notch" and the unnamed tributary of Walker Run (Unnamed Tributary No. 1) flows through the "eastern notch" (Figure 2.3-38). Groundwater elevations measured in the Glacial Overburden aquifer are tabulated in Table 2.3-19. In addition, elevations for four ponds (Table 2.3-20) have been used to map the water table surface in the Glacial Overburden aquifer.

The data exhibit temporal variability in groundwater elevations during the observation period (October 2007 to September 2008). Groundwater elevations versus time for the ten well clusters are plotted in Figure 2.3-40 through Figure 2.3-44. A seasonal influence during this monitoring period was observed: groundwater elevation lows generally occurred in fall (October and November 2007), followed by gradually increasing levels in winter, peak groundwater elevations in February and March 2008, and decreasing groundwater elevations in April through September 2008.

For the Glacial Overburden monitoring wells, the lowest elevations generally occurred in October 2007 and the highest elevations occurred in February and March 2008. The differences between the annual high and low elevations for each well ranged from 1.67 to 6.31 ft (0.51 to 1.92 m). The greatest annual variations occurred in the MW302 cluster and MW309A. Less than 5 ft (1.5 m) of variation occurred in each of the other Glacial Overburden wells.

The monthly groundwater elevation data (Table 2.3-19) and the monthly surface water elevation data for four ponds (Table 2.3-20) were used to develop groundwater elevation contour maps for the Glacial Overburden aquifer. These maps are presented for October 2007 (fall), January 2008 (winter), and March 2008 (spring), and July 2008 (summer) (Figure 2.3-47 through Figure 2.3-50 respectively).

Groundwater levels measured in MW303A are the highest measured anywhere in the Glacial Overburden aquifer. MW303A is located near a surface water and groundwater divide in the northern trough of the Glacial Overburden aquifer (Figure 2.3-47 through Figure 2.3-50). Groundwater in the glacial overburden near this point flows either westward toward Walker Run or flows eastward toward the SSES Spray Pond area. Some groundwater in the northern trough along with surface water in the unnamed tributary flows southward through the eastern bedrock notch and enters the southern trough (Figure 2.3-47 through Figure 2.3-50).

In the southern trough (where the BBNPP power block is located), groundwater in the glacial overburden is flowing from east to west and then southwest (Figure 2.3-47 through Figure 2.3-50). In October 2007 (month of lowest groundwater levels), the highest groundwater level in the southern trough (668.74 ft (203.88 m) msl) was measured in well MW304A. The lowest water

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level (653.86 ft (199.35 m) msl) was measured in Pond G8. Thus, a total head loss of nearly 15 ft (4.6 m) occurred across the southern trough in October 2007 (Figure 2.3-47). Between October 2007 and March 2008, the groundwater levels in all wells increased approximately 3.4 to 5.5 ft (1.1 to 1.7 m). In March 2008 (month of highest groundwater levels), the highest groundwater level in the southern trough was again located in MW304A (672.16 ft (204.93 m) msl) and the lowest level was again recorded in Pond G8 (654.30 ft (199.48 m) msl) (Figure 2.3-49). In March 2008, the total head loss across the southern trough (from MW304A to Pond G8) was approximately 18 ft (5.5 m).

A ridge of bedrock separates the southern trough from monitoring wells MW307A and MW309A. Groundwater in the Glacial Overburden aquifer in this area belongs to a separate flow system, which flows south and southeast and discharges to Unnamed Tributary No. 2, a drainage system altogether separate from the Walker Run watershed (Figure 2.3-47 through Figure 2.3-50).

Horizontal hydraulic gradients have been calculated for several flowpaths in the Glacial Overburden aquifer (Table 2.3-21). Flowpath GO1 goes from MW304A to MW302A1; Flowpath GO2 goes from MW302A1 to MW301A, and Flowpath GO3 goes from MW301A to Pond G8 (Figure 2.3-47 through Figure 2.3-50). Together, these three flowline segments represent a flowline down the center of the southern trough, from east to west. Segment GO3 represents the horizontal flowline between the center of the power block and Pond G8. The horizontal hydraulic gradients computed for the southern bedrock trough are listed in Table 2.3-21 for fall (October 2007), winter (January 2008), spring (March 2008), and summer (July 2008) conditions. The largest gradients (0.0030 to 0.0112 ft/ft) generally occurred in March 2008 (spring), when the groundwater elevations were highest. The gradient between the power block and Pond G8 (Pathline GO3) was lowest in October 2007 (0.0041 ft/ft) and highest in March 2008 (0.0112 ft/ft).

The Glacial Overburden aquifer discharges as springs and seeps into Pond G8, the wetlands along the southern border of the BBNPP site, and into Walker Run. In February 2008, the surface of Ponds G6, G7, and G9 were all frozen with a layer of 2 to 3 inches of ice. However, no ice was present on the surface of Pond G8, indicating that warm groundwater was discharging into the pond during winter. In addition, Pond G8 discharges water all year long, even in the extremely dry summer and fall months, which also indicates that this pond is fed by groundwater discharge. As the southern bedrock trough approaches Pond G8 and surface water gauging stations G2 and G13 on Walker Run (Figure 2.3-33), the trough becomes constricted and the glacial overburden thins considerably. As a consequence, groundwater flowing southeastward is forced to the surface in various locations near Pond G8 and the wetlands south and southwest of Pond G8. This area is considered a groundwater discharge area for the Glacial Overburden aquifer.

Shallow Bedrock Aquifer

Groundwater elevation data for the Shallow Bedrock aquifer are listed in Table 2.3-19. Variation of groundwater levels versus time in the Shallow Bedrock aquifer are presented in Figure 2.3-40 through Figure 2.3-44. These graphs show that the seasonal variations in groundwater elevations in the shallow bedrock are approximately the same as the variations encountered in the Glacial Overburden wells. The rise and fall of groundwater elevations in the shallow bedrock also seem to generally coincide in time with variations in water levels in the Glacial Overburden aquifer. The highest groundwater elevations in the Shallow Bedrock aquifer were generally present in February and March 2008. The lowest groundwater elevations measured in the Shallow Bedrock aquifer generally occurred in October 2007 and September 2008.

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The groundwater elevation data tabulated in Table 2.3-19 and graphed in Figure 2.3-40 through Figure 2.3-44 were used to develop groundwater potentiometric surface maps for the Shallow Bedrock aquifer. These maps are presented for October 2007 (fall), January 2008 (winter), and March 2008 (spring), and July 2008 (summer) in Figure 2.3-55 through Figure 2.3-58, respectively.

For each quarter, the spatial trends of the potentiometric surface and the horizontal hydraulic gradients are similar, although elevations in March 2008 are greater. Potentiometric contours in the Shallow Bedrock aquifer generally reflect surface topography. For example, the contours circle around the two hills on the northern side of the BBNPP site. Overall, lateral flow in the Shallow Bedrock is to the south and southwest, as shown on Figure 2.3-55 through Figure 2.3-58.

Horizontal hydraulic gradients have been calculated for six flowpath segments in the Shallow Bedrock aquifer (Table 2.3-21). The points defining each flowpath segment are listed in Table 2.3-21. Together, these six flowline segments represent the range of flow directions and gradients that exist beneath the power block and surrounding areas. The horizontal hydraulic gradients computed for the Shallow Bedrock aquifer are listed in Table 2.3-21 for fall (October 2007), winter (January 2008), spring (March 2008), and summer (July 2008) conditions. The largest horizontal gradients (0.0081 to 0.1188 ft/ft) generally occurred in March 2008 (spring), when the groundwater elevations were highest. The lowest gradients (0.0079 to 0.0963 ft/ft) generally occurred in January 2008 (Table 2.3-21).

Deep Bedrock Aquifer

Groundwater elevation data for the Deep Bedrock aquifer are tabulated in Table 2.3-19. Variation of groundwater levels versus time in the Deep Bedrock aquifer are presented in Figure 2.3-40 through Figure 2.3-44. These graphs show that the seasonal variations in groundwater elevations in the eight Deep Bedrock wells are usually of the same magnitude of variation encountered in the Shallow Bedrock and the Glacial Overburden wells. A very large seasonal variation in groundwater elevations observed in Well MW307B was an exception; water levels rose almost 26 ft (7.9 m) between October 2007 and March 2008. The rise and fall of groundwater elevations in the deep bedrock also seem to generally coincide in time with variations in water levels in the other two units. The highest groundwater elevations in the Deep Bedrock aquifer were generally present in winter (February and March 2008). The lowest groundwater elevations in the Deep Bedrock aquifer were generally present in fall (October 2007 and September 2008).

The groundwater elevation data tabulated in Table 2.3-19 and graphed in Figure 2.3-40 through Figure 2.3-44 were used to develop groundwater potentiometric surface maps for the Deep Bedrock aquifer. These maps are presented for October 2007 (fall), January 2008 (winter), and March 2008 (spring), and July 2008 (summer) in Figure 2.3-55 through Figure 2.3-57, respectively.

For each quarter, the spatial trends of the potentiometric surface and the horizontal hydraulic gradients are similar, although elevations in March 2008 are slightly greater. Potentiometric contours in the Deep Bedrock aquifer generally reflect surface topography. The contours bend somewhat around and encompass the two hills on the northern side of the BBNPP site. The overall flow direction in the Deep Bedrock is to the south, southeast, and probably the southwest, as shown on Figure 2.3-40 through Figure 2.3-44.

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Horizontal hydraulic gradients have been calculated for two flowpath segments in the Deep Bedrock aquifer (Table 2.3-21). The points defining each flowpath segment are listed in Table 2.3-21. Together, these two flowline segments represent the range of flow directions and gradients that exist beneath the power block and surrounding areas. The horizontal hydraulic gradients computed for the Deep Bedrock aquifer are listed in Table 2.3-21 for fall (October 2007), winter (January 2008), spring (March 2008) and summer (July 2008) conditions. The calculated horizontal gradients in the Deep Bedrock aquifer ranged from 0.0154 to 0.0228 ft/ft, which are considerably lower than the gradients calculated for the Shallow Bedrock, but slightly higher than the gradients determined for the Glacial Overburden aquifer. Unlike the other two hydrogeologic units, the horizontal hydraulic gradients in the Deep Bedrock seem to be largest in the fall when groundwater levels were lowest. The lowest gradients (0.0166 to 0.0174 ft/ft) occurred in March 2008 (Table 2.3-21).

Vertical Hydraulic Gradients and Vertical Flow Directions

A total of twelve well clusters were installed around the BBNPP site. Each cluster has two or more wells intersecting two or three of the hydrogeologic units. Differences in hydraulic heads between wells screened in different intervals indicate that vertical gradients exist and that vertical flow of groundwater (either upward or downward) is likely occurring. Vertical head differences do not necessarily imply that a continuous or discontinuous aquitard separates two aquifer units; it simply means that vertical flow can occur.

For each well cluster, the wells were identified as belonging to the Glacial Overburden (A), Shallow Bedrock (B), or Deep Bedrock (C) aquifers (note: three wells, MW302B, MW307B, and MW313C, have suffixes different than the aquifer in which they are screened, for reasons previously discussed). Vertical gradients have been calculated by taking the difference in hydraulic heads between two wells and divide by the vertical distance between the midpoints of the two well screens. The calculated vertical gradients for four different seasons are listed in Table 2.3-22. The well pairs with positive vertical gradients indicate that the direction of groundwater flow is downward; negative gradients indicate an upward direction of groundwater flow.

For gradients calculated between the Glacial Overburden and the Shallow Bedrock, upward flow (negative gradient) was detected at 3 out of 8 well clusters (MW301, MW303, and MW310). For gradients calculated between the Glacial Overburden and the Deep Bedrock, upward flow was determined at 3 out of 6 clusters (MW302, MW306, and MW310). Based on these results, upward flow of groundwater from the bedrock is apparent in half of the well clusters. The clusters that indicate upward flow include the MW301, MW302, MW303, MW306, and MW310 clusters (Table 2.3-22). The largest gradients for upward flow were found at clusters MW301, MW302, MW303, and MW310. In three of these locations, artesian pressure was encountered in bedrock wells MW301B4, MW302B, and MW310C and geotechnical boring B302. Artesian pressure was also detected in monitoring wells MW312B and MW313C, located in the wetlands on the south side of the power block. Figure 2.3-59 displays the areas where upward-flowing groundwater from the bedrock may be occurring. Upward-flowing groundwater from the bedrock was not visually observed anywhere at the BBNPP site. If upward flow from bedrock is occurring, it will discharge to and dissipate within the Glacial Overburden aquifer. Therefore, the locations of bedrock discharge and the rate of groundwater discharge to the Glacial Overburden aquifer is difficult to estimate. As shown in Figure 2.3-59, there are two areas of suspected upward flow from bedrock. The first area lies along Beach Grove Road in the northwest corner of the site,

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west of well MW305B, and extends to Walker Run. The second area covers a large portion of the southern bedrock trough, including all of the wetlands and the BBNPP power block.

Although vertical gradients suggest that upward ground water flow is occuring, the exact areas where upward flow takes place, the overall rate of upward flow, and the temporal variations in upward flow rate is not known with any degree of certainty.

2.3.1.2.3.3 Hydrogeologic Properties

The hydraulic properties of the geologic materials present at the BBNPP site were characterized by several means:

- Fourteen (14) Glacial Overburden wells and 11 bedrock wells were slug tested (falling head and rising head tests). The results are presented in Table 2.3-23.
- Two (2) pumping tests were performed. One test was performed in the glacial overburden at well cluster MW302 and the other was performed in shale bedrock at well cluster MW301 (center of the BBNPP nuclear island). Each test consisted of a 24-hour pumping test and 12-hour recovery test. For the Glacial Overburden test, monitoring wells MW302A2, MW302A3, and MW302A4 were used as observation wells for pumping well MW302A1. For the Bedrock test, monitoring wells MW301B2, MW301B3, and MW301B4 were used as observation wells for pumping well MW301B1. Prior to each pumping test, a step-drawdown test was conducted in the two pumping wells. Target pumping rates of 60 gpm (227 lpm) and 6 gpm (23 lpm) were selected for wells MW302A1 and MW301B1, respectively, for the extended pumping tests. At these pumping rates, it was expected that pumping would stress the aquifer as much as possible without drawing the water levels in the pumping wells below the tops of their screens. Results of the pumping tests are presented in Table 2.3-24.
- Optical and acoustic televiewers were used to observe and quantify the nature, vertical distribution, and orientation of fractures in five open boreholes before monitoring wells were installed. Results of the televiewer surveys for Monitoring Wells MW301C and MW310C are presented in Figure 2.3-60 to Figure 2.3-65.
- Packer tests were performed on 56 intervals within 5 open-hole bedrock borings, which were later converted into monitoring wells MW301C, MW304C, MW306C, MW310C, and MW313C. Results of the packer tests are presented in Table 2.3-25.

In addition, a large number of slug tests, pumping tests, packer tests, and other tests have been performed previously at the SSES site. The results of these tests are summarized in Table 2.3-26.

Glacial Overburden Aquifer

Slug tests were performed on all 14 BBNPP glacial overburden monitoring wells. The horizontal hydraulic conductivity (Kh) values calculated from these tests ranged from 3.38E-02 ft/day (1.19E-05 cm/s) in MW307A to 9.63E+01 ft/day (3.40E-02 cm/s) in MW306A (Table 2.3-23). Thus, a range of three orders of magnitude was found in these values. The lowest values occurred in the three wells located on the north side of the site (MW303A, MW305A1, and MW305A2) and the three wells located on the far southern end of the site (MW307A, MW308A, and MW309A). In these six wells, the Kh values ranged from 3.38E-02 to 1.51E+01 ft/day (1.19E-05 to 5.33E-03 cm/s). In the other eight glacial overburden wells, located across the

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central portion of the site (i.e., the southern bedrock trough), the Kh values ranged from 23.8 to 96.3 ft/day (8.40E-03 to 3.40E-02 cm/s). The overall geometric mean of Kh was 10.3 ft/day (3.65E-03 cm/s). The geometric mean Kh for the eight wells located across the central portion of the site was 52.5 ft/day (1.85E-02 cm/s). For two slug tests performed previously at SSES, Kh values of 1.8 and 6.6 ft/day (6.35E-04 to 2.33E-03 cm/s) were determined.

The long-term pumping test performed at the MW302 well cluster yielded a Kh value (geometric mean) of 168 ft/day (5.93E-02 cm/s)(Table 2.3-24). Six pumping tests performed previously at SSES (Table 2.3-24) yielded Kh values that ranged from 3.3 to 200 ft/day (1.16E-03 to 7.06E-02 cm/s). The two SSES pumping tests (Wells C and CPW) that yielded the highest Kh values were based on specific capacity data, and are rough estimates of Kh.

Overall, the MW302 cluster pumping test yielded a Kh value 168 ft/day (5.93E-02 cm/s), which appears to fall within the range of the slug tests, open-end tests performed at SSES, and the other pumping tests performed at the SSES. This value is higher than the average and geometric mean of all other tests; however, it was determined using a long-term test that significantly stressed the aquifer and was performed immediately upgradient of and in close proximity to the BBNPP power block area. Therefore, a Kh value of 168 ft/day (5.93E-02 cm/s) has been chosen to represent the Glacial Overburden aquifer in the vicinity of the BBNPP power block area.

Based on the pumping test conducted in the glacial overburden at the MW302 well cluster, the median specific yield of the aquifer was determined to be approximately 0.322 (Table 2.3-24). For sand and gravel deposits, the specific yield is nearly the same as effective porosity. For the purpose of flow calculations and modeling, an effective porosity for the Glacial Overburden aquifer is estimated to be 0.32.

Shale Bedrock Aquifer

The hydraulic properties of the Shallow and the Deep Bedrock (shale) aquifers are presented in this section, and not separately, because the results of hydraulic testing do not conclusively support the hypothesis that there is a significant difference between the Kh values of the Shallow and Deep Bedrock.

Slug tests were performed on six shallow bedrock wells. The Kh values calculated from these tests ranged from 1.05 ft/day (3.70E-04 cm/s) in MW301B1 to 38.5 ft/day (1.36E-02 cm/s) in MW304B (Table 2.3-23). The overall geometric mean of Kh was 4.01 ft/day (1.41E-03 cm/s). This value is approximately 40% of the value determined for the Glacial Overburden aquifer using slug tests.

Slug tests were performed on five Deep Bedrock wells. The Kh values calculated from these tests ranged from 3.25E-02 ft/day (1.15E-05 cm/s) in MW306C to 4.27E+00 ft/day (1.51E-03 cm/s) in MW307B (Table 2.3-23). The overall geometric mean Kh for the Deep Bedrock was 3.35E-01 ft/day (1.18E-04 cm/s). This value is approximately one order of magnitude less than the value determined for the Shallow Bedrock aquifer using slug tests (Table 2.3-23).

The long-term pumping test performed at the MW301 well cluster yielded a Kh value (geometric mean) of 0.46 ft/day (1.62E-04 cm/s)(Table 2.3-24). This value is roughly two to three orders of magnitude lower than the value determined for the Glacial Overburden aquifer.

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A total of 56 packer tests (constant pressure, pump-in tests) were performed in five open bedrock borings at the BBNPP site. Nearly all of the tests were performed on 20- to 23-ft (6.1- to 7.0-m) rock intervals. Of these tests, nearly half (26) indicated impermeable rock, which is indicated on Table 2.3-25 as Kh = 0 ft/day. In the other 30 tests, Kh values ranged from 6.78E-04 to 4.63E-01 ft/day (2.39E-07 to 1.63E-04 cm/s). The highest values occurred in MW310C and the lower portions of MW301C and MW313C. The Kh values determined by packer tests were considerably lower than Kh values determined by slug tests and pumping tests.

Over 50 packer tests have been performed in the shale bedrock at the SSES site (Table 2.3-25); the tests yielded Kh values that ranged from 0 to 0.85 ft/day (0 to 3.00E-04 cm/s). The median value for the 41 tests performed by the railway bridge (northeast of SSES site) was 0.22 ft/day (7.76E-05 cm/s). The packer test values encountered at the SSES site were greater than the packer test results encountered at the BBNPP site and generally approached the BBNPP values calculated for the MW301B1 pumping test.

Optical and acoustic televiewers were used to observe and quantify the nature, vertical distribution, and orientation of fractures in five open boreholes before monitoring wells were installed. Results of the televiewer surveys for Monitoring Wells MW301C and MW310C are presented in Figure 2.3-60 through Figure 2.3-65. The vertical distribution of fractures in MW301C is shown in Figure 2.3-60. Fractures were more frequently encountered in depth intervals where the slope on the curve is lowest (e.g., from 47 to 58 ft (14.3 to 17.7 m) and 251 to 261 ft (76.5 to 79.6 m) bgs). These two intervals coincide with intervals where packer tests detected measurable fracture permeabilities (see Table 2.3-25). In MW301C, the primary direction of fracture dips was southward and the primary dip angle was steep (60 to 90°), as shown in Figure 2.3-61 and Figure 2.3-62, respectively. A secondary set of fractures had a relatively low dip angle of 20 to 30° (Figure 2.3-62).

Monitoring Well MW310C is located approximately 400 ft (122 m) north-northwest of MW301C. Based on the televiewer results, the density of fractures detected in MW310C (Figure 2.3-63) was much greater than the density of fractures in MW301C. In MW310C, the fractures density was greatest in three different intervals: 24 to 80 ft (7.3 to 24.4 m), 141 to 145 ft (43.0 to 44.2 m), and 195 to 200 ft (59.5 to 61.0 m) bgs (Figure 2.3-63). These three intervals generally coincide with intervals where packer tests detected measurable fracture permeabilities in MW310C (see Table 2.3-25). Unlike MW301C, the primary direction of fracture dips in MW310C was northward and the dip angle was moderately steep (50 to 60°), as shown in Figure 2.3-64 and Figure 2.3-65, respectively. The density and orientation of fractures does not necessarily coincide with zones that have the greatest hydraulic conductivities; sometimes the fractures are healed or cemented shut with calcite. However, there does seem to be a qualitative correlation between fracture density and hydraulic conductivity.

Based on the slug test results from the BBNPP (Table 2.3-23), the Shallow Bedrock wells appear to have much greater Kh values than the Deep Bedrock. However, the packer test results suggest that the Kh values of the Deep Bedrock are greater than determined for the Shallow Bedrock (Table 2.3-25). In general, the hydraulic conductivity of the bedrock appears to be highly variable, as expected for a fractured rock mass.

Overall, the Shallow Bedrock is estimated to have a Kh value of approximately 0.46 ft/day (1.62E-04 cm/s), which is the geometric mean value of the MW301B1 pump test and is two to three orders of magnitude less than the Glacial Overburden aquifer.

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Based on the pumping test conducted at the MW301 well cluster, the median storage coefficient value for the shale bedrock is approximately 7.9E-05 (Table 2.3-24).

2.3.1.2.3.4 Groundwater Flow and Transport

The following sections present the most probable groundwater flow direction and travel time from the BBNPP power block area to nearby surface water features. Based on the evaluation summarized in the above sections, only the shallow water-bearing unit (Glacial Overburden aquifer) would be affected by construction and operation of the BBNPP. Groundwater use associated with BBNPP operations is discussed in Section 2.3.2.2. Accidental release parameters and pathways for liquid effluents in groundwater and surface water are presented in FSAR Section 2.4.13.

Based on the site layout and plant grading plan, Confers Lane will act as an approximate surface water and ground water divided. As a result, all surface water and ground water located in the main plant area will flow in a southward to southwestern direction to Walker Run, and southward toward the Susquehanna River.

The groundwater seepage velocity is defined as distance over time and is calculated as follows:

Velocity = ((hydraulic gradient) x (hydraulic conductivity)) / (effective porosity)

The travel time is defined as rate of groundwater movement for a set distance and is calculated as follows:

Travel Time = (distance) / (velocity)

2.3.1.2.3.4.1 Glacial Overburden Aquifer

In the vicinity of the BBNPP site, the Glacial Overburden aquifer is the most capable aquifer for transmitting groundwater, and it is the source aquifer for many wells and springs in the county.

The groundwater travel time in the Glacial Overburden aquifer was calculated from Monitoring Well MW301A, located near the center of the BBNPP power block area, to a projected discharge point in the relocated Walker Run that is approximately 1,200 ft (370 m) southwest of Monitoring Well MW301A. An average horizontal groundwater velocity of 4.25 ft/day (1.30 m/day) was calculated using a median horizontal hydraulic gradient of 0.0081 ft/ft measured between Monitoring Well MW301A and Pond G8 (Table 2.3-21), a hydraulic conductivity of 168 ft/day (5.93E-02 cm/s), and an effective porosity of 32.2% (Table 2.3-24). Using a mean travel distance of approximately 1,200 ft (370 m) from Monitoring Well MW301A to a projected discharge point in the relocated Walker Run, the groundwater travel time was estimated to be about 282 days.}

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2.3.2 WATER USE

This section describes surface water and groundwater uses that could affect or be affected by the construction or operation of {the BBNPP} and associated {onsite} transmission corridor and offsite facilities. Consumptive and non-consumptive water uses are identified, and water diversions, withdrawals, consumption, and returns are quantified. In addition, this section describes statutory and legal restrictions on water use and provides the projected water use for {the BBNPP}.

2.3.2.1 Surface Water Use

2.3.2.1.1 Surface Water

{The BBNPP site is located in Salem Township, Luzerne County, northeastern Pennsylvania. It lies on a relatively flat upland terrace, approximately 1.4 mi (2.3 km) north of the Susquehanna River (Figure 2.1-3). The plant grade elevation will be 674 ft (205 m) msl (Section 3.4.1.3.3). The elevation of the Susquehanna River 100-yr floodplain is approximately 513 ft (156 m) msl (FEMA, 2008). Thus, the BBNPP site is approximately 161 ft (49 m) above the Susquehanna River 100-year floodplain and 174 ft (52 m) above average river level (Figure 2.3-2). There are no major water bodies (e.g., larger than 10 ac (4 ha) in area) directly adjacent to or on the BBNPP site.}

2.3.2.1.2 Consumptive Surface Water Use

{In Pennsylvania, the Pennsylvania Department of Environmental Protection (PADEP) imposes certain registration and reporting requirements for statewide water withdrawal and use. Consumptive surface water use within the Susquehanna River Basin is regulated by the Susquehanna River Basin Commission (SRBC).

The use of water from the Susquehanna River is regulated by the SRBC, an agency created by a compact between the Federal government and the three states in which the Susquehanna River Basin lies. In general, operations subject to the SRBC are those that exceed the consumption rate of 20,000 gpd (75,708 lpd) over a 30-day average (SRBC, 2007) or that exceed an average withdrawal (groundwater, surface water or combined) of 100,000 gpd (378,541 lpd) over a 30-day period. Consumption rates less than the 20,000 gpd (75,708 lpd) fall under the Water Resources Planning Act (Act 220).

According to the PADEP, the Water Resources Planning Act (Act 220) requires the PADEP to conduct a statewide water withdrawal and use registration and reporting program (PADEP, 2008a). Each public water supply agency, each hydropower facility (irrespective of the amount of withdrawal), and each person who withdraws or uses more than 10,000 gpd (37,854 lpd) over any 30-day period, must register their withdrawal or withdrawal use.

In general, in-stream uses downstream of public water-supply intakes are protected by permit conditions requiring either conservation releases from large reservoirs or minimum passby flows (USGS, 2008).

The Middle Susquehanna sub-basin (Figure 2.3-1) is 3,755 mi^2 (9,777 km^2) in area and has a population representing 16% of the total Susquehanna River Basin. Total water consumption (surface water and groundwater) in the sub-basin is: 40.7% for power generation, 37.6% for

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municipal use, 15.2% for industrial use, 4.1% for agriculture, and 2.4% for domestic use (SRBC, 2008).

Surface water use data for Luzerne County were obtained from the PADEP (PADEP, 2008c). Figure 2.3-66 illustrates the registered surface water withdrawal locations reported by major water users in Luzerne County. This figure does not include public water supplies, because the state does not publish the locations of public water supplies for security reasons. Table 2.3-27 identifies active surface water users (not including the public water supplies) within Luzerne County (PADEP, 2008c); these withdrawals are mainly used for irrigation and industrial purposes. Figure 2.3-67 shows the locations of the surface water intakes portrayed in Figure 2.3-66, but includes only those which are within a 5 mi (8 km) radius of the BBNPP site. Susquehanna Steam Electric Station (SSES) Units 1 and 2 is the largest water user in the vicinity of BBNPP. SSES 1 & 2 withdraw water from the Susquehanna River. Presently, Walker Run is not listed as being used as a source of water for agricultural, domestic, or industrial purposes.

In December 2006, SSES requested that the allowable maximum daily river withdrawal be increased to 66 million gpd (250 million lpd), and a consumptive use maximum of 48 million gpd (182 million lpd) due to an extended power uprate (EPU). This docket, Approval No. 19950301-1, was granted by the SRBC. After the EPU the average consumptive use is estimated to be 45 million gpd (170 million lpd) (PPL, 2006). The SSES' present average withdrawal is approximately 58.3 million gpd (221 million lpd) and consumptive use is 40 million gpd (151 million lpd). An environmental assessment for this permit revision concluded that the increase in water usage would not significantly affect the Susquehanna River hydrology or aquatic ecology (USEPA, 2008a).

Table 2.3-28 shows water use pattern by SSES Units 1and 2 from 2001 to 2006. During that period, the highest total monthly consumptive use was 1,175 million gallons per month (4,448 million liters per month) in June 2002, and an annual average consumptive use of 909.5 million gallons per month (3,343 million liters per month).

Between 1961 and 2002, the Susquehanna River had an annual mean flow of 14,586 cfs (413 m^3/s) (PPL, 2006). Assuming a SSES Units 1 and 2 discharge to the Susquehanna River of 25 cfs (0.7 m^3/s) and an average withdrawal rate of approximately 94 cfs (2.7 m^3/s), then the net consumptive loss to the Susquehanna River is approximately 69 cfs (2 m^3/s), which represents approximately 0.47% of the average river flow at SSES over the past 42 years (PPL, 2006). The SRBC works with local, state, and federal agencies to augment and protect in stream water needs during times of low flow.

As part of this low flow management, activities such as the low flow augmentation for the existing SSES Units 1 and 2 were achieved by agreements between Pennsylvania Power and Light Company (PPL) and SRBC, and SRBC and the U.S. Army Corps of Engineers (USACE). USACE manages the Cowanesque Reservoir located near Lawrenceville, PA, to provide water supply storage and releases during low flow periods to replace the consumptive water use by SSES Units 1 & 2 (40 million gpd (151 million lpd) (30-day average)). In addition, the SRBC dictates that if the surface-water withdrawal impact is minimal in comparison to the natural or continuously augmented flows of a stream or river, no further mitigation is necessary (SRBC, 2002).

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As per 18 CFR Part 803.22 (December 29, 2006) (Federal Register, 2006a) of the SBRC, several changes were made, including the removal of a specific low flow criterion (Q7-10) Mitigation.

SRBC's current standards for consumptive uses of water (Federal Register, 2006b) dictate that all project sponsors whose consumptive use of water is subject to review and approval under Sec. 806.4 shall mitigate such consumptive use during low flow periods. Mitigation may be provided by one, or a combination of the following:

- Reduce withdrawal from the approved source(s), in an amount equal to or greater than the project's total consumptive use, and withdraw water from alternative surface water storage or aquifers or other underground storage chambers or facilities approved by the Commission, from which water can be withdrawn for a period of 90 days without impact to surface water flows.
- Release water for flow augmentation, in an amount equal to the project's total consumptive use, from surface water storage or aquifers, or other underground storage chambers or facilities approved by the Commission, from which water can be withdrawn for a period of 90 days without impact to surface water flows.
- Discontinue the project's consumptive use, except that reduction of project sponsor's consumptive use to less than 20,000 gpd during periods of low flow shall not constitute discontinuance.
- Provide monetary payment to the Commission, for annual consumptive use, in an amount and manner prescribed by the Commission.
- Use, as a source of consumptive use water, surface storage that is sublect to maintenance of a conservation release acceptable to the Commission.
- Implement other alternatives approved by the Commission.

The Commission will, in its sole discretion, determine the acceptable manner of mitigation to be provided by project sponsors whose consumptive use of water is subject to review and approval. Such a determination will be made after considering the project's location, source characteristics, anticipated amount of consumptive use, proposed method of mitigation and their effects on the purposes set forth in Sec. 806.2, and any other pertinent factors. The Commission may modify, as appropriate, the manner of mitigation, including the magnitude and timing of any mitigating releases, required in a project approval.

The provisions of this regulation apply to consumptive uses initiated since January 23, 1971. Consumptive uses beginning after this date must comply with the requirement within a time period to be determined by the SRBC at the time of the permit application review.

Changes in Consumptive Use Upstream:

Information on present and projected values of consumptive water use is obtained from the SRBC May 2008 Consumptive Use Mitigation Plan. Maximum current consumptive use potential in the Susquehanna River basin is an estimated 882.5 million gallon per day (gpd) (3,341 million lpd) (SRBC, 2008b). SRBC projects an increase to more than 1.2 billion gpd (4.5 billion lpd) by 2025. SRBC estimates that water for power production will have the largest increase. Portions of those current and future consumptive use totals that require mitigation are 116.7 million gpd

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(441.7 million lpd) and 390.3 million gpd (1,477.5 million lpd), respectively (SRBC, 2008b). These needs will serve as the basis for the evaluation and assessment of various projects including the BBNPP for effective low flow mitigation requirement through 2025.

Currently, the SRBC is studying existing reservoirs to identify additional water storage capacity that might be released during low flow in the Susquehanna River.

Major Public Water Suppliers within Luzerne and Columbia Counties are presented in Table 2.3-29 (USEPA, 2008b). Water sources for Luzerne and Columbia counties include lakes, rivers, reservoirs, and their tributaries, but does not include water withdrawal directly from the Susquehanna River. Major public water Suppliers within Luzerne and Columbia Counties are presented in Table 2.4-15 (USEPA, 2008b) (PADEP, 2008d).

Water use projections are assessed based on population trends in a given area. Since the Susquehanna River is not a common source for drinking water in Luzerne County, the surface water use projection in the county will not affect the BBNPP consumption. As a matter of fact, the population projection for Act 220 State Water Plan estimates a 7 percent decline in the Luzerne County population between 2000 and 2030 (PADEP, 2008b). Thus, future additional use of surface water is projected to be extremely limited, except for the increase due to BBNPP needs.

Surface and wastewater discharges at SSES are regulated through the National Pollutant Discharge Elimination System (NPDES). In Pennsylvania, these are issued and enforced by the PADEP Bureau of Water Supply and Wastewater Management. SSES's current NPDES permit (Permit No. PA0047325) was effective beginning on September 1, 2005, and is valid through August 31, 2010. Table 2.3-30 shows the average and monthly SSES cooling tower blowdown discharge rates for 2000-2007. The highest recorded monthly maximum discharge (17.78 million gpd (67 million lpd) occured in 2003.

Figure 2.3-68 illustrates water pollution control facilities locations within a 5 mi (8 km) radius from BBNPP and Figure 2.3-69 shows their locations within Luzerne County. Table 2.3-31 lists the water pollution control facilities located within Luzerne County. PADEP has recorded 159 outfalls in Luzerne County and 1,723 outfalls within a 50 mile (80 km) radius of the BBNPP site (PADEP, 2008c). Since each individual permit may have more than one outfall, the number of actual permits is less than the number of outfalls quoted above.}

2.3.2.1.3 Non-Consumptive Surface Water Use

{The major non-consumptive surface water uses in the vicinity of the site are wildlife habitat, recreation, fishing, and navigation. The recreational activities include swimming, fishing, and boating along the Susquehanna River. No navigation or swimming is permitted in the vicinity of the BBNPP.

Several canals, dams, and levees were constructed during the early 1800's, to improve transportation on the Susquehanna River. However, today bridges replaced ferries and railroads replaced canals making commercial navigation on the Susquehanna River negligible.

Fishing is a year-round activity in the Susquehanna River. Boating is an activity that is generally limited to the 9-month period from Spring to Fall. Swimming is an activity that occurs during the summer season.

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Several boat ramps are located in the vicinity of the BBNPP. The Nesbitt Park boat ramp, operated by the City of Wilkes-Barre, is located about 25 mi (40 km) upstream of the proposed BBNPP intake structure. Within a 10 mi (16 km) radius from the BBNPP, three boat ramps are available on the Susquehanna River. The Pennsylvania Fish and Boat Commission operates a recreational boat ramp about 5 mi (8 km) upstream; a private club operates the Wapwallopen boat ramp approximately 1.5 mi (2.4 km) downstream from BBNPP; and the Borough of Berwick operates the Berwick Test Track boat ramp approximately 8 mi (13 km) downstream. A fourth boat ramp is located in Hunlock Township, about 10 miles (16 km) upstream from BBNPP.}

2.3.2.1.4 Statutory and Legal Restrictions on Surface Water Use

{The withdrawal of water from the Susquehanna River to be used in the cooling systems for BBNPP is regulated by the SRBC. In addition, the Pennsylvania Water Resources Act 220 of 2002 directs PADEP to complete an update of the State Water Plan in five years and have updates every five years thereafter. The State Water Plan is designed to provide up-to-date information on Pennsylvania's water availability, an assessment and projection of water use and future demands on a watershed basis, identification of critical water planning areas where water demands are projected to exceed available water supplies, and the development of critical area resource plans for these areas. The bill recognizes that with proper planning, Pennsylvania's water resources are capable of serving multiple uses in a balanced manner. To gather the data necessary to assess current water demands, the bill provides for registration of major water withdrawals (exceeding 10,000 gpd), and periodic reporting of water usage by such major users. The bill establishes a formal program to promote voluntary water conservation and water use efficiency practices for all water users (PADEP, 2008e).

Any surface water withdrawal that exceeds 100,000 gallons per day (378,541 lpd) as a conservative 30-day average requires review and approval by the SRBC.

The discharge of blowdown from cooling towers, effluent from a sewage treatment plant, and storm water runoff will be regulated by the PADEP under the Pennsylvania Clean Streams Law with USEPA oversight provided by the Clean Water Act (CFR, 2007). The USEPA conducts oversight of the NPDES permit program based on statutory requirements contained in the Clean Water Act (CWA, 1948) and regulatory requirements contained in the NPDES regulations (CFR, 1998).

The NPDES permit issued by the PADEP is governed by PADEP’s regulations, including the water quality standards codified at 25 PA Code, Chapter 93, which establishes water quality criteria meant to protect specified designated uses, including “Warm Water Fisheries,” which is the designated use for the relevant portion of the Susquehanna River (COP, 2006.), which places restrictions on waters designated "Warm Water Fisheries". The Pennsylvania Code is an official publication of the Commonwealth of Pennsylvania. Section 93.7 of the Pennsylvania Code contains regulations and other documents filed with the Legislative Reference Bureau related to water quality standards for surface waters of Pennsylvania. Maximum temperatures in the receiving water body resulting from heated waste sources, where temperature limits are necessary to protect designated and existing uses, are defined under Section 93.7 of the Pennsylvania Code.

Walker Run is not listed under the Clean Water Act (CWA, 1948) as an impaired water body. Within a 50 mi (80 km) radius of BBNPP, Little Nescopeck Creek is the nearest water body that has been impaired due to metals and pH which result from mining activities in the region.}

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2.3.2.1.5 Plant Water Use

Plant water use for {BBNPP} is described in Section 3.3. There are no other station water uses other than those described in Section 3.3. {The plant water use diagram for BBNPP is described in Section 3.3}

2.3.2.2 Groundwater Use

This section provides a description of the groundwater use at, and in the vicinity of, the {BBNPP} site. This section also describes the regional and local groundwater resources that could be affected by the construction and operation of {the BBNPP}.

The objective of this section is to discuss the U.S. Environmental Protection Agency (EPA) sole source aquifers within the region and to describe groundwater use {in northeastern Pennsylvania, current groundwater users in Luzerne and Columbia counties, current groundwater use by SSES Units 1 and 2, expected future demands for Luzerne and Columbia counties, and anticipated BBNPP groundwater use}, and to identify and determine impacts to the groundwater aquifers due to the operation and construction of {the BBNPP}.

2.3.2.2.1 Physical Setting

{The proposed BBNPP site is located in Salem Township, Luzerne County, on the northwest side of the North Branch of the Susquehanna River (NBSR) (within the Middle Susquehanna drainage basin), as shown on Figure 2.1-3. The proposed BBNPP site is situated in the Walker Run watershed, which is within the Middle Susquehanna River Drainage sub-basin (Figure 2.3-1), and has a drainage area of approximately 4 mi^2 (10.4 km^2). The site is also adjacent to SSES Units 1 and 2 in an area of open deciduous woodlands, interspersed with cultivated fields and orchards. The site sits on a relatively flat upland area, approximately 170 ft (52 m) above the Susquehanna River water level, as shown in Figure 2.3-2. The BBNPP site is approximately:

- 1.6 mi (2.6 km) north-northeast of the confluence of Walker Run and the NBSR,
- 22 mi (35 km) downstream of Wilkes-Barre, PA,
- 5 mi (8 km) upstream of Berwick, PA, and
- 70 mi (113 km) north-northeast of Harrisburg, PA.

The climate of the site area can be described as a humid, continental, moderate climate, with cool to cold winters and long hot summers.

The BBNPP site is covered by glacial deposits and was subjected to both glacial and periglacial events during the Quaternary Epoch. Underneath this glacial overburden lies Devonian bedrock (primarily shale and siltstone) that have been severely folded and deformed. Erosion and down cutting from the Susquehanna River and its tributary streams have dissected the overburden, leaving many exposed bedrock outcrops throughout the site area. Ground surface elevations within a 5 mi (8 km) radius around the BBNPP site varies from just under 500 ft (152 m) msl, on the floodplain of the NBSR, to a maximum of approximately 1,560 ft (476 m) msl. Thus, the topographic relief within 5 mi (8 km) radius is approximately 1,060 ft (323 m).

The NBSR flows from north to south past the SSES, makes a broad, 90 degree angle turn (i.e., Bell Bend) to the west, and flows to the south of the BBNPP before reaching Berwick, PA. The

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BBNPP lies approximately 1.4 mi (2.3 km) north of the NBSR at its closest point. The NBSR ultimately receives all surface water and groundwater that drains from the BBNNP site.

An east-west trending ridge lies just to the north of the BBNPP and Beach Grove Road. Small streams drain from the ridge top and flow southward toward the NBSR. Walker Run is a relatively small stream, but is the largest in the immediate vicinity of the BBNPP. Walker Run flows southward along the western side of the BBNPP, and has a gradient drop from upstream (referred in Table 2.3-1 as Upper Walker Run) to downstream (referred as Lower Walker Run in Table 2.3-1) of almost 290 ft (88 m) over a distance of approximately 4 mi (6 km). Unnamed Tributary No.1 flows along the eastern and southern site boundaries and enters Walker Run on the southwest side of the site. Unnamed Tributary No. 3 flows southeastward from the BBNPP site and empties into the NBSR. The Walker Run watershed (Figure 2.3-3) has a drainage area of 4 mi^2 (10.4 km^2). SSES is located approximately 1 mi (1.6 km) east of the BBNPP Nuclear Island. Runoff from the SSES flows eastward towards the NBSR and does not enter the Walker Run watershed. Confers Lane is a township road which runs north-south and separates the SSES from the BBNPP sites. This road also acts as a surface water and a groundwater divide between the two sites.}

2.3.2.2.2 Hydrogeologic Setting

The regional and site-specific physical and hydrologic characteristics of these groundwater resources are presented in Section 2.3.1.2. The following sections provide a brief summary of hydrogeologic conditions in the vicinity of the {BBNPP} site.

{The location of the BBNPP site is shown in Figure 2.1-3. The site is located on a flat upland terrace above the North Branch of the Susquehanna River in Luzerne County, approximately 3.0 mi (4.8 km) east of Berwick (Figure 2.1-3). The climate of the site area is primarily temperate, with warm, humid summers and cold winters. The topography of the site is gently rolling with northeast-southwest trending ridges located north and south of the site (Figure 2.3-2). At the BBNPP, ground elevations range from 650 ft (200 m) msl along Walker Run in the southwest corner of the site up to elevations of approximately 800 ft (244 m) msl on the hilltop located just north of the power block (Figure 2.3-3). North of Beach Grove Road, the elevation rises sharply upward to elevations of 1,100 to 1,150 ft (335 to 351 m) msl along the crest of the ridge (Figure 2.3-3). Thus, total topographic relief in the immediate vicinity of BBNPP is approximately 500 ft (150 m). Walker Run drops another 150 ft (46 m) in elevation before reaching its confluence with the NBSR.

Most of Pennsylvania lies in three primary physiographic provinces (Figure 2.3-17). From northwest to southeast, these are:

- Appalachian Plateaus Province,
- Ridge and Valley Province, and
- Piedmont Province

The BBNPP site lies toward the northeastern end of the Ridge and Valley Province in northeastern Pennsylvania (Figure 2.3-17). The site is only 8 mi (13 km) south of the Appalachian Plateaus Province. Within the Ridge and Valley Province, the site lies in the Susquehanna Lowland Section (Figure 2.3-17), close to the North Branch of the Susquehanna River. In the vicinity of the BBNPP site, the total thickness of Paleozoic sedimentary rocks

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overlying the Precambrian crystalline basement is approximately 33,000 ft (10,000 m). The Paleozoic sedimentary rocks form a wedge that is thickest in eastern Pennsylvania and gradually thins to the north and west across the state. The sedimentary rocks include sandstone, siltstone, shale, and limestone units, with lesser amounts of coal and conglomerate of Cambrian to Pennsylvanian age. The coal and conglomerate units are generally limited to the Mississippian- and Pennsylvanian-age rock formations (i.e., the uppermost Paleozoic formations). See Section 2.6.2 for additional details regarding stratigraphy and structural geology. Groundwater in the bedrock formations is present primarily in secondary openings, including fractures, joints, and bedding plane separations. Solution of calcareous material, especially along fractures and bedding planes, greatly increases the secondary porosity and permeability of the carbonate rock units. Primary porosity and permeability of bedrock is typically very low. As a result, the ability of the noncarbonate bedrock to store groundwater or yield water to wells is typically less than the carbonate formations.

In the northeastern and northwestern corners of Pennsylvania, the bedrock is overlain by a variable thickness of glacial till, outwash, colluvium, kame, and kame terrace deposits of Pleistocene age (Figure 2.3-18). A large percentage of these surficial glacial materials were deposited during the last major glacial advance (Wisconsinan Stage; 17,000 to 22,000 years before present). The BBNPP site lies at the edge of where the Wisconsinan glacier made its farthest advance (Figure 2.3-18). As a result, end moraine deposits have been mapped at the BBNPP site (Crowl, 1980).

Extensive amounts of outwash sand and gravel were deposited in major stream valleys as the Illinoian and Wisconsinan Stage glaciers advanced and retreated. These outwash and kame terrace deposits constitute some of the most permeable aquifers in the region (Lohman, 1937) (Hollowell, 1971) (Taylor, 1984) (Williams, 1987). The outwash deposits in the Susquehanna River Valley are especially thick and permeable in some places. In these glacial, alluvial, and other unconsolidated deposits, the porosity and permeability are primary (i.e., intergranular).

The northeast-southwest trending Ridge and Valley Physiographic Province extends from West Virginia and Maryland to northeastern Pennsylvania, and covers approximately one quarter of Pennsylvania. This Province is bounded to the north and west by the Appalachian Plateaus Province and to the southeast by the Piedmont Province (Figure 2.3-17). This province is characterized by layered Paleozoic sedimentary rocks that have been complexly faulted and folded. These rocks range in age from Cambrian to Pennsylvanian. Elongated mountain ridges are formed by well-cemented sandstones and conglomerates that are resistant to weathering. These ridges typically are the remnant flanks of breached anticlines. Limestone, dolomite, and shale are more easily weathered and eroded and, as a result, form the intervening valleys between the ridges.

The principal aquifers in the Ridge and Valley Province are carbonate rocks (limestone and dolomite) and sandstones that range in age from early to late Paleozoic Era. Most of the more productive aquifers are composed of carbonate rocks, primarily limestone, and are found primarily in the valleys. However, the water-yielding character of the carbonate rocks depends upon the degree of fracturing and development of solution cavities in the rock. Sandstone formations can also yield large volumes of water where these rocks are well fractured. Generally, the carbonate aquifers occur in early Paleozoic rocks; whereas, the sandstone aquifers are more frequently found in late Paleozoic rocks (Trapp, 1997). Sand and gravel deposits derived from glacial outwash, kame terrace, and ground moraine also form a very productive aquifer (Glacial Overburden aquifer).}

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2.3.2.2.3 Sole Source Aquifers

The Sole Source Aquifer (SSA) Program, which is authorized by the Safe Drinking Water Act, allows for groundwater protection when a community is dependent on a single source of drinking water and there is no possibility of a replacement water supply to be found. The USEPA defines a sole or principal source aquifer as one which supplies at least 50% of the drinking water consumed in the area overlying the aquifer (USEPA, 2007a).

{The BBNPP site is located in USEPA Region 3 (Delaware, District of Columbia, Maryland, Pennsylvania, Virginia, and West Virginia). There are six sole source aquifers in this region (Figure 2.3-70). One of these aquifers, the Seven Valleys aquifer, is located in York County, Pennsylvania along the Pennsylvania-Maryland border. A second sole-source aquifer, the New Jersey Coastal Plain aquifer, is located in New Jersey. However, the Delaware River which is located along the Pennsylvania-New Jersey border is considered a source of recharge for the New Jersey Coastal Plain aquifer. The BBNPP site lies approximately 55 mi (88 km) west of the Delaware River and approximately 90 mi (145 km) north of the Seven Valleys aquifer. The other four sole-source aquifers are located in Maryland and Virginia and are more than 100 mi (161 km) distance from the BBNPP site. All six of these sole source aquifers are beyond the surface water and groundwater flow systems of the BBNPP, and will not be impacted by any activities at the site.}

2.3.2.2.4 {Northeastern Pennsylvania} Regional Groundwater Use

{Groundwater is extensively used as a source of potable water and other purposes in northeastern Pennsylvania. Groundwater resources in northeastern Pennsylvania have been evaluated since the 1930's by the Pennsylvania Bureau of Topographic and Geologic Survey (PGS) (Lohman, 1937) (Hollowell, 1971) (Taylor, 1984) and by the USGS (Williams, 1987). Descriptions of the physical and hydraulic characteristics of the aquifers in this region are presented in Section 2.3.1.2.

The majority of groundwater use is concentrated along the major glacial outwash valleys (e.g., North Branch Susquehanna River, Chemung River, Lackawanna River) and in areas of highest population density. In 1970, the total water use in the North Branch Susquehanna River Basin (Pennsylvania portion) was estimated to be approximately 308 million gpd (1.16E+09 lpd), as shown in Table 2.3-32. Of this amount, 44.2 million gpd (1.67E+08 lpd), or 14.4%, was obtained from groundwater. The four largest users of groundwater, in order from largest to smallest users, were public supplies, mineral extraction and processing, domestic supply, and industrial supply. Since 1970, underground mining of coal in the northern and eastern-middle anthracite coal basins has virtually ceased, so the extraction of groundwater by the mineral industry sector has declined drastically since 1970.

In 1995, the USGS estimated use of groundwater in the North Branch Susquehanna River Basin (Pennsylvania portion) was approximately 32 to 50 million gpd (1.21E+08 to 1.89E+08 lpd) (Figure 2.3-71), or nearly the same as the estimated groundwater use in 1970. In the smaller portion of the North Branch watershed containing the BBNPP, groundwater use was approximately 21 to 30 million gpd (0.79E+08 to 1.14E+08 lpd) (Figure 2.3-71).}

2.3.2.2.5 {Luzerne and Columbia} County Groundwater Use

{The Pennsylvania Department of Conservation and Natural Resources (DCNR) maintains a state Groundwater Information System (PaGWIS). This database has been consolidated from

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numerous sources, including the USGS and the PGS. PaGWIS is designed around a comprehensive modification of the USGS's Ground Water Site Inventory (GWSI) national database, which is part of its WATSTORE system, a national database developed to manage water data. PaGWIS contains information on 44,411 wells and 1,538 springs from the GWSI database and is current through July 1998 (DCNR, 2008a).

PaGWIS also contains information regarding 165,827 wells (123,351 of which have latitude and longitude values) from the PGS's Water Well Inventory (WWI), which Pennsylvania uses to manage data supplied to them by water well drillers (DCNR, 2008a). Data submission began in 1966 using paper forms. Latitude and longitude values were determined in the office by interpreting both handwritten directions and a hand-drawn map supplied by the drilling companies. Most of the location and data entry work has been done by temporary employees of the agency, so it is of varying reliability. No data entry has been done since August of 1994 (DCNR, 2008a).

Data on selected public water supply wells, which was provided by the PADEP, Bureau of Water Supply Management, has also been entered into the PaGWIS database. The PaGWIS contains information regarding 9,067 public water supply wells which were not present in either the WWI or the GWSI (DCNR, 2008a). Many of these wells were constructed prior to the inception of the WWI database.

Data extracted from the PaGWIS for 25 mi (40 km) and 5 mi (8 km) radii around the BBNPP are listed in Table 2.3-33 and Table 2.3-34, respectively. The wells, for which location coordinates are available, are presented in Figure 2.3-72 and Figure 2.3-73 for 25 mi (40 km) and 5 mi (8 km) radii, respectively. These wells are categorized as public, industrial, domestic, commercial, and other uses (Note: these wells include wells that were installed as monitoring wells). The area defined by the 25 mi (40 km) radius includes all of Columbia County, most of Luzerne County, and parts of seven other counties (Figure 2.3-72). The majority of the wells in Figure 2.3-72 are categorized as domestic use. Within the 5 mi (8 km) radius, there are a total of 16 public supply wells (Table 2.3-34). Three of these are located in Columbia County (in Berwick) and 13 are located in Luzerne County (Figure 2.3-73).

PADEP maintains a second database containing information on Pennsylvania groundwater wells (PADEP, 2008f). Data entries extracted from the PADEP database for 25 mi (40 km) and 5 mi (8 km) radii are listed in Table 2.3-35 and Table 2.3-36, respectively. The locations of these wells are presented on Figure 2.3-74 and Figure 2.3-75, respectively. This database has fewer entries than the PaGWIS. Most of the wells within the 25 mi (40 km) radius (Figure 2.3-74) and all 13 of the wells present within a 5 mi (8 km) radius (Figure 2.3-75) are categorized as "industrial use" wells.

A third list of well users is maintained by PADEP, Division of Drinking Water Management, and is referred to as the Drinking Water Reporting System (PADEP, 2008d). The wells listed in this database provide public supply and can be searched by county and size. The wells listed for Columbia and Luzerne counties are listed in Table 2.3-37. The largest water supply system in these two counties using groundwater is the Pennsylvania American Water Company-Berwick District, which serves a population of about 16,000 people through approximately 6,300 connections in five municipalities. Raw water is obtained from four wells located at the company's Canal Street pumping station in Berwick. These wells are screened in bedrock approximately 87 to 160 ft bgs, on the north bank of the Susquehanna River. The combined potential yield of the four wells is approximately 4.60 million gpd (1.74E07 lpd). The average

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production rate is 1.74 million gpd (6.58E+06 lpd) and the maximum daily production rate is 2.48 million gpd (9.39E+06 lpd) (PPL, 2006).}

The Safe Drinking Water Information System (SDWIS) maintained by the U.S. EPA lists community, non-transient non-community, and transient non-community water systems that serve the public (USEPA, 2007b). Community water systems are defined as those that serve the same people year-round (e.g., in homes or businesses). Non-transient non-community water systems are those that serve the same people, but not year-round (e.g., schools that have their own water system). Transient non-community water systems are those that do not consistently serve the same people (e.g., rest stops, campground, and gas stations). Table 2.5-29 lists the community, non-transient non-community, and transient non-community water systems using groundwater as their primary water source in {Luzerne and Columbia counties.}

Coordinates for the locations of the water systems listed in the SDWIS database for {Luzerne and Columbia counties} are not publicly released. {The SDWIS for Luzerne and Columbia counties are maintained in the PADEP database.} In addition, many of the addresses provided are mail drop locations for the owners of water systems and, for some, addresses are not provided. Therefore, a figure depicting the locations of these systems was not developed. Because the location of these water systems can not be accurately plotted, the nearest water system (beyond the boundary of the {BBNPP} site property), is assumed to be near {the town of Berwick, PA approximately 5 mi (8 km) to the southwest, as shown in Figure 1.2-2.}

2.3.2.2.6 {SSES Units 1 And 2} Groundwater Use

{The SSES provides potable water for drinking, pump seal cooling, sanitation, and fire protection through its own onsite groundwater well system. This system consists of two wells (TW-1 and TW-2) which are located approximately 1,200 ft (366 m) northeast of the reactor building (Figure 2.3-76). Both of these wells are screened in the glacial overburden deposits (sand and gravel) and are approximately 75 ft (23 m) deep. The potential production capacities of wells TW-1 and TW-2 are 50 and 150 gpm (189 to 568 lpm), respectively (PPL, 1989). TW-2 is the primary well in the system; (TW-1 serves as a back-up well).

Additional wells provide water for drinking and/or sanitary use for SSES-owned buildings adjacent to the plant site on a minor and intermittent basis. They are located at the West Building (formerly Emergency Operations Facility), Energy Information Center (EIC), and Riverlands Recreation Area (Figure 2.3-76). Although data available for these wells are not complete, it is believed that all five of these wells are screened in the glacial overburden and/or Susquehanna River alluvium.}

2.3.2.2.7 {Northeastern Pennsylvania} Groundwater Demands

{The PADEP, along with the Statewide Water Resources Committees, and six Regional Water Resources Committees, is currently developing a new State Water Plan in response to the Water Resources Planning Act (Act 220 of 2002). This Act calls for the State Water Plan to be prepared by March 2008, and updated every 5 years thereafter (PADEP, 2008g). This State Water Plan replaces the last plan that was developed between 1975 and 1983. When completed, this updated Plan will provide goals and recommendations to attain sustainable water use over a 30-year planning horizon. The Plan includes inventories of water availability, an assessment of current and future water use demands, assessments of resource management alternatives, and proposed methods of implementing recommended actions. One of the actions proposed in the

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new Plan is to identify and evaluate Critical Water Planning Areas, where the water demand exceeds, or threatens to exceed, water availability.

The SRBC has already performed a similar effort. They recently published a "Groundwater Management Plan for the Susquehanna River Basin" in June 2005 (SRBC, 2005). The SRBC Plan has goals similar to the Pennsylvania Plan, namely monitor and manage the water resources in order to attain long-term sustainable use of the resource. The SRBC has identified several geographic areas in the Susquehanna River Basin where existing or projected groundwater withdrawals and uses are anticipated to exceed long-term sustainability or cause frequent conflicts between users. Areas where demand will exceed sustainable resources are termed Potentially Stressed Areas (PSAs) by the SRBC. Areas where the permeability of the rocks are low and the available groundwater resource is small are termed Water Challenged Areas (WCAs) (SRBC, 2005). SRBC-defined PSAs and WCAs are shown on Figure 2.3-77. To date, the SRBC has classified eight areas as PSAs and two areas as WCAs. As observed in Figure 2.3-77, there are no PSAs or WCAs located in or near Luzerne or Columbia counties.

The state projections for population trends predicts that Luzerne County will have a 7% decrease in population between 2000 and 2030 (PADEP, 2008b). This suggests that the demand for groundwater will also decline over the next 20 to 30 years. The abundant supply of groundwater and the declining demand for groundwater use in Luzerne and Columbia counties means that groundwater supplies will not be overdrafted in the two counties, and demand will not surpass available supplies in the future.}

2.3.2.2.8 {BBNPP} Ground Water Use Projections

{There is no planned use of onsite groundwater for the BBNPP during operation. All cooling makeup water will be obtained from the Susquehanna River. All water for drinking and several other smaller uses will be obtained from a public water supply (Luzerne County).}

2.3.2.2.9 {BBNPP} Ground Water Impacts

{During construction, dewatering of the glacial overburden aquifer will be required in the power block and the UHS pumphouse areas in order to excavate down to bedrock. Groundwater flow barriers will be installed around these areas in order to: 1) minimize groundwater seepage into the excavations, 2) minimize impacts to the glacial overburden aquifer outside of the excavation area, and 3) maximize the stability of the excavation sidewalls during construction. Construction dewatering is discussed in more detail in Section 2.3.2.2.11. Because a groundwater flow barrier will be installed prior to excavation, the amount of groundwater that needs to be pumped and the resulting impacts to the shallow aquifer will be minimal.

During operation of the BBNPP, groundwater will not be pumped and will not be used in the plant. Therefore, the long-term impacts on groundwater levels, flow directions, and resources resulting from construction and operation of the BBNPP will be localized (less than 1,000 ft (305 m) radius around the plant) and will be SMALL.}

2.3.2.2.10 Ground Water Monitoring

{Groundwater monitoring (water level observation) of the BBNPP area is currently being implemented through the use of the groundwater (monitoring) wells installed in Fall 2007 for the BBNPP site subsurface investigation (Section 2.3.1.2).

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The Radiological Environmental Monitoring Program (REMP) for SSES Units 1 and 2 (PPL, 2007) and USNRC regulations contain no explicit requirements to routinely monitor groundwater onsite near plant facilities. By design, liquid effluents are not released to groundwater or structures that discharge to groundwater, and as such, there is no expected or intended human exposure pathway associated with groundwater for BBNPP. However, recent nuclear industry initiatives by the Nuclear Energy Institute, the Electric Power Research Institute, and USNRC assessments (USNRC, 2006) of existing nuclear reactors are currently developing guidance documents for the implementation of USNRC regulation 10 CFR 20.1406 (USNRC, 2007) relating to groundwater monitoring for both operating and future nuclear reactors. Groundwater monitoring near plant facilities will provide an early indication if unexpected releases through system leaks or failures have occurred and are impacting the environment beyond expected pathways. Development of these guidance documents concerning groundwater protection is being followed and future requirements will be addressed, as applicable, for inclusion in the BBNPP REMP.

Safeguards will be used to minimize the potential of adverse impacts to the groundwater by construction and operation of BBNPP. These safeguards will include the use of lined containment structures around storage tanks (where appropriate), hazardous materials storage areas, emergency cleanup procedures to capture and remove surface contaminants, and other measures deemed necessary to prevent or minimize adverse impacts to groundwater beneath the BBNPP site.}

2.3.2.2.11 Site Characteristics for Subsurface Hydrostatic Loading and Dewatering

{In order to build the power block and other safety-related structures on bedrock, the glacial overburden aquifer must first be excavated and removed. Temporary dewatering will be required for groundwater management during excavation and construction of BBNPP power block foundations. Temporary dewatering is also required for the excavation of the Essential Service Water Emergency Makeup System (ESWEMS) pumphouse. A summary of the groundwater conditions is provided for assessment of de-watering requirements during construction, and for hydrostatic loading on the building foundations once construction is completed and the dewatering pumps are turned off.

The area of the proposed nuclear island and safety related structures has a current ground elevation ranging from approximately 657 to 669 ft (200 to 204 m) msl. The bedrock surface ranges from 590 up to 675 ft (180 to 206 m) msl beneath the power block area (Figure 2.3-27). The glacial overburden deposits range from 0 to approximately 64 ft (0 to 20 m) thick beneath the power block area. The overburden is thickest beneath geotechnical borings G314 and G323, which are located along the southern side of the power block area. The groundwater elevations in the glacial overburden aquifer in this area (e.g., monitoring wells MW301A, MW306A, MW308A, and MW310A) range from 655 to 661 ft (200 to 202 m) msl (Table 2.3-19). In March 2008, the measured groundwater elevations in the southern portion of the power block area (MW308A and MW306A) were at their greatest elevation (approximately 657 ft (200 m) msl). Thus, there is approximately 64 ft (20 m) of saturated sand and gravel deposits that are resting on the bedrock surface in the southern portion of the power block area. The hydraulic conductivity of the glacial overburden materials is relatively large (10 - 200 ft/day (3.1 - 61 m/day)), so relatively large rates of groundwater seepage into excavations could be encountered.

In order to excavate down to bedrock surface and construct the foundations in the power block area and the ESWEMS pumphouse, the sand and gravel aquifer needs to first be dewatered in

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the entire excavation area in order to achieve stable sidewalls and to minimize the area that is disturbed by the excavation. Prior to excavation, a concrete diaphragm wall, slurry wall, or other type of groundwater flow barrier will be constructed around the excavation area. This step will be performed in order to minimize the amount of groundwater that flows into the excavation and minimize the impacts to the shallow glacial aquifer during construction activities. Detailed design drawings and engineering plans for the groundwater flow barrier and construction dewatering system will be developed prior to beginning of any construction activities.

Some of the groundwater pumped from the excavation will be used for the manufacture of concrete in the concrete batch plant. Some of the extracted groundwater will be used for dust suppression and other construction purposes. None will be used as a source of drinking water. The remainder of the extracted groundwater will be routed to Storm Water Pond No. 1, located immediately west of the power block area (Figure 2.3-4). This pond will retain the water and allow sediment to settle out, prior to discharge to Walker Run. Once construction of power block foundations nears completion, the dewatering wells will be turned off and converted to monitoring wells, if deemed necessary. Otherwise, the dewatering wells will be pressure-grouted shut and abandoned in accordance with PADEP well abandonment requirements.

The U.S. EPR Final Safety Analysis Report (FSAR) requires that the maximum post-construction groundwater elevation to be at least 3.3 ft (1.0 m) below grade for the nuclear island. The final grade of the nuclear island is designed to be 674 ft (205 m) msl. In 2007 and 2008, groundwater elevations in the glacial overburden aquifer ranged from 656 to 661 ft (200-202 m) msl in the power block area. Therefore, the water-table surface will be approximately 13 ft (4.0 m) or more below the nuclear island ground elevation, based on the current groundwater elevations.

During construction, the glacial overburden aquifer will be removed throughout most of the power block area. Also, a permanent groundwater barrier will be constructed around the power block area which will limit the flow of groundwater into the area. Large areas will have buildings or pavement over the land surface, which will significantly reduce groundwater recharge from the surface.

Surface drainage modifications will also affect groundwater recharge and groundwater elevations in the glacial overburden aquifer. A portion of the wetland areas will be drained and filled in (including the existing pond located 500 ft (152 m) southwest of the center of the reactor). Drainage conveyance ditches will be installed to quickly move rainfall and surface water away from the power block area. Unnamed Tributary No.1 originating north of the BBNPP site and flowing along the eastern side of the BBNPP site currently flows westward through the power block area and joins Walker Run. During the early phases of construction, this unnamed tributary of Walker Run will be diverted to the south side of the site (Figure 2.3-4). Walker Run will be re-constructed to a new channel along Market Street, away from the power block area. All of these actions are intended to keep surface water away from the power plant area and to minimize groundwater recharge in the area.

Because of these changes to the drainage system and changes to the land surface (affecting recharge and runoff), the groundwater levels are expected to be lower after construction as compared to the pre-construction groundwater elevations. Therefore, the post-construction potentiometric surface in the glacial overburden aquifer is expected to drop relative to pre-construction groundwater levels. As a result, the post-construction water table surface should be more than 13 ft (4.0 m) below the ground surface.

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The base elevation of the reactor building is designed to be 632.7 ft (192.9 m) msl. Assuming the post-construction water-table surface in the reactor building area was at the same level that currently exists (655-661 ft (200-202 m) msl), the hydrostatic loading on the lower basement walls of the reactor building will be approximately 22 to 28 ft (6.7-8.3 m).

A permanent groundwater dewatering system will not be needed for the BBNPP facility. Groundwater elevations will continue to be monitored, and any observed deviations in groundwater elevations potentially impacting the current design bases will be accounted for to design a dewatering system, if necessary.}

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2.3.3 WATER QUALITY

This section describes the site-specific surface water quality characteristics that could directly be affected by plant construction and operation or that could affect plant water use and effluent disposal within the vicinity of the {BBNPP} site. Site-specific water quality data were obtained through the {Susquehanna Steam Electric Station (SSES) annual reports, Ecology III annual reports, and a baseline investigation of BBNPP surface water and groundwater systems that was performed between February and July 2008. Another round of water sampes will be collected and analyzed in Octover 2008 (fall). These data and interpretations will be submitted as a supplementary addendum to the COLA and will be incorporated in the next revision.

The BBNPP site is located in Salem Township, Luzerne County, Pennsylvania (PA), on the northwest side of the North Branch of the Susquehanna River (NBSR), as shown on Figure 2.3-1. The BBNPP site is situated in the Walker Run watershed, which has a drainage area of 4.10 mi^2 (10.6 km^2). The site is also adjacent to the SSES in an area of open deciduous woodlands, interspersed with cultivated fields and orchards. The site sits on a relatively flat upland area, approximately 170 ft (52 m) above the Susquehanna River water level, as shown in Figure 2.3-2 and Figure 2.3-3. Detailed information about the water bodies nearest to the site is provided in Section 2.3.1.

The section on surface water quality (Section 2.3.3.1) includes a presentation of data for the most significant surface water body in the area, the North Branch of the Susquehanna River NBSR. In addition, water quality data for small creeks in the area are also included. The section on groundwater quality (Section 2.3.3.2) includes characterization of the Glacial Overburden aquifer and the Shale Bedrock aquifer.

The BBNPP site-specific data were collected during a site baseline investigation.

A description of the baseline investigation is presented below.

Baseline Water Quality Study

The baseline sampling program covered the four seasons of 2008: winter (February); spring (April); summer (July); and autumn (September). Data from this study were developed to serve as a baseline reference so that potential water quality impacts due to the construction and operation of the BBNPP can be assessed.

A one-time analysis of drinking water parameters was performed on groundwater samples collected during the winter round (February 2008). The Pennsylvania Drinking Water Standards (DWSs) are regulated by PADEP under Title 25 Pa. Code, Chapter 109, Safe Drinking Water (PADEP, 2006b). The standards apply to public water systems and are not applicable to the groundwater or surface water at the BBNPP site. However, these analyses were selected for a single analysis largely to qualify the presence or absence of Volatile Organic Chemicals (VOCs) and Synthetic Organic Chemicals (SOCs) including pesticides at the site.

The chemical, biological, and physical parameters analyzed in samples collected quarterly for the site-specific investigation are listed in Table 2.3-38 and Table 2.3-39. Additional select parameters analyzed for the one-time analytical event for groundwater are listed in Table 2.3-40.

Water Quality Standards

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The language of the Federal and Pennsylvania water quality regulations use the terminology "contaminant," "toxic," or "pollutant" in describing the presence of chemical substances. It must be emphasized that the baseline water quality study described herein examines the presence of known, common parameters corresponding to analytes recommended in guidance documents or reported in other studies. No assumptions were made about the sources, distribution, or dispersion of any of the parameters examined if detected. Nor does the presence of these analytes above the method reporting level imply contamination, health risks, or history of releases at the site.

Analyte Selection Criteria

The analytical parameters and methods used for this baseline water quality sampling program were selected based upon existing regulations and ongoing monitoring programs:

1. Nuclear Regulatory Commission's NUREG-1555 guidance document (NRC, 1999);
2. The SSES's National Pollutant Discharge Elimination System (NPDES) permit (PADEP, 2008a);
3. Pennsylvania Department of Environmental Protection Specific Water Quality Criteria for the Susquehanna River in the Vicinity of the Susquehanna Steam Electric Station (PADEP, 2006a);
4. Water quality parameters examined during routine environmental monitoring of water quality and fishes in the Susquehanna River by Ecology III (Ecology III, 2003-2007); and
5. REOR Annual Reports - The SSES regular operational radiological environmental monitoring program (REMP) of groundwater and surface water as reported in the PPL Annual Radiological Environmental Operating Report (REOR) (PPL, 2003-2007).}

2.3.3.1 Surface Water

{The most significant surface water body in the area is the NBSR. The NBSR is the source of cooling water for the SSES and the BBNPP. In addition, all surface water and groundwater discharging from the BBNPP will ultimately reach the NBSR. Section 2.3.1.1.1 presents water quality data for the NBSR.

Four very small creeks are located in the immediate vicinity of the BBNPP. Walker Run flows southward along the western side of the BBNPP site and continues southward to the NBSR. Unnamed Tributary No. 1 flows off the ridge located north of BBNPP, flows along the northeastern and eastern sides of the site, turns westward and flows along the southern side of the site, and enters Walker Run on the southwestern side of the site (Figure 2.3-3). Unnamed Tributary No.2 discharges as seeps from the small hills located on the northers side of the BBNPP site, passes through an agricultural drainage pipe (surface water monitoring station G11), and then enters Unnamed Tributary No.1 near station G12. Unnamed Tributary No. 3 (Figure 2.3-3) flows southeastward from the BBNPP site and empties into the NBSR about 0.8 mi (1.3 km) upstream from the Walker Run confluence. Analytical data for these four small creeks are presented in Table 2.3-38 and Table 2.3-43 and discussed in Section 2.3.3.1.2. In addition, four small ponds are located on or directly adjacent to the BBNPP site (Figure 2.3-33). Although samples have not been collected from these ponds for laboratory analyses, field parameters (pH, temperature, specific conductance, oxidation-reduction potential (ORP), dissolved oxygen (DO) and turbidity) have been measured quarterly in the ponds (Table 2.3-43).

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A description of the physical and hydrological characteristics of the river and creeks is provided in Section 2.3.1.}

2.3.3.1.1 {The Susquehanna River

The Susquehanna River is approximately 444 miles (715 km) in length and flows from its headwaters at Otsego Lake in Cooperstown, New York, to Havre de Grace, Maryland where the river meets the Chesapeake Bay (SRBC, 2006).

In Pennsylvania, the Susquehanna River flows south and east before turning southwest above Wilkes-Barre. The West Branch of the Susquehanna River joins the Susquehanna at Sunbury. From Sunbury, the river flows south towards Harrisburg, being joined north of Harrisburg by another large tributary, the Juniata. South of Harrisburg, the Susquehanna River again turns southeast toward the Mason-Dixon Line, forming the boundary between York and Lancaster counties. It empties into the northern end of the Chesapeake Bay (PADEP, 2008b).

More than three-quarters of the entire Susquehanna River basin lies in Pennsylvania (PADEP, 2008b). The BBNPP is located within the Middle Susquehanna River sub-basin (Figure 2.3-1). Upstream of the SSES and the BBNPP, the Susquehanna River receives acid mine drainage (AMD) from old, abandoned underground anthracite mine workings and runoff from abandoned surface mine sites and coal refuse piles. Besides AMD, the NBSR receives urban storm runoff, industrial discharges, agricultural runoff, discharges from sewage treatment plants, and discharges from other contaminant sources upstream of the SSES and the BBNPP. Overall, however, the water quality of the NBSR is relatively good and supports a healthy aquatic habitat and fishery.

The SSES has been collecting water samples from the Susquehanna River from two sites since 1968. The "SSES" sampling site is located 750 ft (230 m) upstream of the SSES intake structure (Figure 2.3-33) and serves as the upstream control sampling site. The "Bell Bend" sampling site (also referred to as "SSES Indicator Site") is located 2,260 ft (690 m) downstream of the SSES blowdown discharge line (Figure 2.3-33). This site was located in order to evaluate the impacts to the Susquehanna River due to the SSES blowdown discharge (Ecology III, 2003 - 2007). River samples were collected quarterly. The SSES river data for 1968 through 1977 are summarized in Table 2.3-41. The SSES river data for 2002 through 2006 have been averaged for each year and are presented in Table 2.3-42.

In addition to the data collected by the SSES, the BBNPP site-specific water quality sampling program included two sampling sites on the Susquehanna River. Site SR01 is collocated with the SSES Control sampling site, (upstream of the SSES blowdown discharge line). Site SR02 is located downstream of the BBNPP; downstream of the BBNPP blowdown discharge line discharge, and downstream of the NBSR confluence with Unnamed Tributary No. 3 and Walker Run (Figure 2.3-33). Thus, SR02 is downstream of all potential surface water and groundwater discharges from the SSES and the BBNPP sites. This sampling site was chosen as a reference point to evaluate potential future impacts to the river due to construction and operation of the BBNPP. Analytical data for samples collected from SR01 and SR02 are summarized in Table 2.3-38. Field parameters measured in the Susquehanna River at the time of sampling are listed in Table 2.3-43.

<u>pH and Alkalinity</u>

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According to Table 2.3-38, Table 2.3-42, and Table 2.3-43, the Susquehanna River water has been alkaline (total alkalinity range: 43 - 95 mg/L, as CaCO3), with a pH range of 6.8 to 7.8, between 2002 and 2008. Between 1968 and 1977, the average total alkalinity (43.0 mg/L) and pH (7.18) values were on the lower end of the range, respectively (Table 2.3-41). These data suggest that the pH and the alkalinity of the river have increased over the past 30 years. The anthracite mining industry has declined greatly since the 1970s, and the acidity, iron, and sulfate contained in the abandoned mines and mine refuse piles have gradually leached away, resulting in improved river water quality over time.

Specific Conductance (SC), Total Mineral Solids (TMS), Total Dissolved Solids (TDS), and Total Hardness

Between 1968 through 1977, SC in ther river ranged from 0.098 to 0.635 mS/cm, and averaged 0.297 mS/cm (Table 2.3-41). Between 2002 and 2006, the annual average SC has ranged from 0.226 to 0.301 mS/cm, and averaged 0.234 mS/cm (Table 2.3-42). In 2008, the average SC of river water was 0.278 mS/cm (Table 2.3-43). Thus, the SC of the river water has declined by approximately 21 percent since the 1970s. Again, this long-term improvement in general water quality is primarily due to the decline of anthracite mining upstream of the SSES and BBNPP.

The TMS, TDS, and total hardness are water quality parameters that are related. Like SC, they reflect the total amount of inorganic constituents that are dissolved in the water. In 1968 through 1977, the average values of these three parameters were 190, 192, and 116 mg/L, respectively (Table 2.3-41). Between 2002 and 2006, the average values, TMS and hardness, were 134, and 92 mg/L, respectively (Table 2.3-42). In 2008, TRS and hardness ranged from 110 to 230 mg/L and 65 to 130 mg/L, respectively (Table 2.3-38). Thus, these three water quality parameters have paralleled the decrease in SC since the 1970s.

The values of SC, TMS, TDS, and total hardness are also related to flow rate in the river (Figure 2.3-78). As the flow rate increases during storm events and large snowmelt events, more surface runoff and direct precipitation enter the river, thereby diluting groundwater inputs into the river. This causes chemical concentrations to decline due to dilution during large storm and snowmelt events and high river flow. Conversely, surface water runoff and direct precipitation into the river decreases during drought and low-flow conditions. During these times, values of SC, TMS, TDS, and total hardness increase.

Dissolved Oxygen

Between 2002 and 2006, the average dissolved oxygen (DO) in the Susquehanna River ranged from 8.9 to 11.0 mg/L, suggesting that the river is well aerated and near oxygen saturation. Between 1968 and 1977, the average DO was similar (10.1 mg/L), but decreased on at least one occasion to a low of 5.8 mg/L (Table 2.3-41). The low value of DO was likely due to a flush of mineral acidity into the river in the 1970s, which consumes DO and could have caused such a short-term decline.

Dissolved oxygen goes through annual cycles. The solubility of DO is higher in cold water, so DO concentrations can be much higher in winter. As shown on Table 2.3-43, the DO at station SR01 was 21.3 mg/L on February 28, 2008, and was measured to be 7.08 mg/L on July 25, 2008.

Inorganic Nitrogen and Phosphorus Compounds (Nutrients)

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Between 2002 and 2006, annual average nitrate (as N), ammonia (as N), and total phosphorus (as PO4) concentrations have averaged 0.85, <0.10, and 0.19 mg/L, respectively (Table 2.3-42). These levels of nutrients are typical of a river that is slightly affected by agriculture and discharges from sewage treatment plants. The 2008 data ranged from undetectable to 0.73 mg/L for nitrate, and 0.11 to 0.27 mg/L for ammonia (Table 2.3-38).

Metals

There are no minor or trace metals that appear to be elevated in the Susquehanna River, except for total iron concentrations, which ranged from 0.57 to 1.43 mg/L (annual averages) between 2002 and 2006 (Table 2.3-42). In 2008 total iron ranged from undetectable to 0.68 mg/L, and dissolved iron from undetectable to 0.28 mg/L (Table 2.3-38). However, total and dissolved iron concentrations (average value: 3.2 and 0.42 mg/L, respectively) were much greater between 1968 and 1977 (Table 2.3-41), when the anthracite mining industry was still active and the number, flow rates, and iron concentrations of the AMD discharges were much greater.

Biological Parameters

Fecal coliform bacteria, total coliform bacteria, and fecal streptococci were detected in each river sample (Table 2.3-38). Farm animals, septic tanks, and discharges from sewage treatment plants upstream of the SSES account for the majority of the microbes detected in the river water.

Radionuclides

No tritium or gamma-emitting radionuclides were detected in the Susquehanna River in 2008 during the BBNPP site-specific sampling program (Table 2.3-38).}

2.3.3.1.2 {Small Creeks and Ponds

The BBNPP site-specific surface water monitoring program included the measurement of field water quality parameters in nine creek locations and four ponds, as shown on Figure 2.3-33. Field parameters were measured at some or all of these locations during five events in 2007 and 2008. The field data are listed in Table 2.3-43. Surface water samples were collected from four locations in small creeks (G1, G2, G3, and G5) on three occasions (February, April, and July 2008). These data are summarized in Table 2.3-38.

Monitoring station G1 is located on Walker Run upstream of the BBNPP power block (immediately downstream of the bridge where Walker Run flows under Market Street). Station G2 is located on Walker Run downstream of the BBNPP site and downstream of where Unnamed Tributary No. 1 and Pond G8 enter Walker Run (Figure 2.3-33). Sampling Station G2 was selected to be far enough downstream of the BBNPP site such that any surface water runoff or groundwater seepage from the BBNPP site will enter Walker Run and pass beneath the bridge next to monitoring station G2. Thus, G2 is in an excellent position to monitor for any contaminant migration that could originate from the BBNPP site in the future. Monitoring Station G3 is located on Unnamed Tributary No. 1 just before it passes beneath Beach Grove Road north of (and upstream of) the BBNPP site (Figure 2.3-33). Unnamed Tributary No. 1 currently flows south and west before it enters Walker Run (Figure 2.3-3). The source of Unnamed Tributary No. 3 is located in a small wetland area immediately south of Unnamed Tributary No. 1 watershed (Figure 2.3-3) This creek flows intermittently southeastward, enters an oval, man-made pond,

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and then flows southward to a confluence with the NBSR (Figure 2.3-3). Monitoring Station G5 is located where Unnamed Tributary No. 3 passes beneath U.S. Route 11.

pH and Alkalinity

The pH values of the small creeks ranged between 6.41 and 8.30, but were typically between 7.0 and 7.9 (Table 2.3-42). The alkalinity of the creek waters ranged between 5.9 and 29 mg/L in 2008, which are lower than alkalinities found in the NBSR. The lower alkalinities, however, are to be expected since the specific conductance and TDS of the waters are also low (see discussion below).

The pH values of the ponds ranged between 5.97 and 8.20 (Table 2.3-42). The pH values of ponds G8 and G9 are slightly lower than ponds G6 and G7. This might be attributed to a larger proportion of groundwater feeding ponds G8 and G9.

Specific Conductance (SC), Total Dissolved Solids (TDS), and Total Hardness

Except for monitoring station G12, the SC of all creek waters were less than 0.181 mS/cm (Figure 2.3-42). These values are at least 30 percent less than SC values detected in the NBSR. The slightly higher SC values measured at G12 (0.196 to 0.305 mS/cm) is due to the fact that G12 represents a discharge from an agricultural drainage pipe that conveys a combination of spring water and surface runoff (Unnamed Tributary No. 2) across a farm field toward Unnamed Tributary No. 1. Thus, surface water monitoring station G12 probably represents a higher proportion of groundwater compared to the other creek water sampling sites.

In 2008, TDS of four creek monitoring stations (G1, G2, G3, and G5) ranged from 45 to 80 mg/L (Table 2.3-38). These values are significantly lower than historical levels of TDS and TMS measured in the NBSR (Table 2.3-41 and Table 2.3-42). Overall, the concentrations of total dissolved inorganic constituents in the three creeks and ponds (using SC as a surrogate) are relatively low.

Dissolved Oxygen

The DO of creek waters has typically been 9.0 mg/L or greater (Table 2.3-42), especially in winter months when the water temperatures are colder and DO is more soluble. DO was slightly lower at creek stations G5 (7.70 mg/L) and G12 (7.79 mg/L) in July 2008, when creek water temperatures were higher. In general, waters in Walker Run and the tributaries appear to be well aerated and saturated with DO.

DO was generally above 9.0 mg/L in ponds G6 and G7 (Table 2.3-42). On occasion, DO fell below 3.0 mg/L in ponds G8 and G9. This occurred when water levels were very low and the water was stagnant in late summer and fall, or in winter when the pond G9 was frozen over.

Inorganic Nitrogen and Phosphorus Compounds (Nutrients)

Nitrate, ammonia, total Kjeldahl nitrogen, and total nitrogen were detected in the creeks on occasion, but at concentrations less than 1.5 mg/L (Table 2.3-38). Ammonia nitrogen (0.28 mg/L) was somewhat elevated in Walker Run (Station G1) in April 2008. Orthophosphate has not been detected in creek waters.

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Metals

All of the metal concentrations measured in the three creeks were either low or not detectable (Table 2.3-38). All detected concentrations were below concentrations measured in the NBSR, except for dissolved and total manganese, which occasionally exceeded concentrations in the river. The creeks contain discharges from springs and wetlands (groundwater discharges) which commonly will contain more manganese and iron than surface waters. Thus, the slightly higher concentrations of manganese in the creeks relative to the Susquehanna River can be expected.

Biological Parameters

Fecal coliform bacteria and total coliform bacteria were detected in all creek samples (Table 2.3-38). Fecal streptococci were detected in most samples. The concentrations of these three parameters were at or below concentrations detected in the NBSR. Farm animals and septic tanks located in each watershed probably account for the majority of these detections. There is also a variety of wildlife in the area whose feces may be deposited in or drain into the creeks (USEPA, 2003; USEPA, 2008c).}

Radionuclides

No tritium or gamma-emitting radionuclides were detected in the creeks in 2008 during the BBNPP site-specific sampling program (Table 2.3-38).}

2.3.3.1.3 Wastewater Treatment

{All sanitary wastewaters will be sent to the Berwick Area Sewer Authority. Pipelines will be constructed and connected with the existing sanitary sewer systems.

This treatment of other wastewater effluents at BBNPP is limited to non-radioactive wastewater. Sources of non-radioactive effluents include plant blowdown, sanitary wastes, floor and equipment drains, and storm water runoff outside the radiological control areas of the power block. Wastewater treatment will employ mechanical, chemical, and/or biological processes. The treated effluent will be discharged to the Susquehanna River. The discharge quality will be in accordance with local and state safety codes, and comply with the site's NPDES permit limitations.

The BBNPP wastewater treatment operations will follow standard practices and use processes that are identical to wastewater treatment plants throughout the U.S. The BBNPP system may consist of all or many of the following components: a holding/debris tank, macerating pumps, oil/water separator, clarifiers, aeration blowers, diffusers, pre-treatment tanks, sludge holding tanks or lagoons, and the associated piping, instrumentation, and controls necessary for proper operation. The wastewater treatment piping, tanks, venting, and valving arrangements will be separated from the plant's radiological operation and treatment processes by appropriate isolation devices.

The plant's treatment systems will be sized to have sufficient capacity to hold, process sewage or treated effluent under peak anticipated demand or operational transitional conditions. The treated wastewater will meet all applicable health standards, regulations, and total daily maximum loads (TMDLs) set by PADEP and the USEPA.

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For more in-depth details regarding the wastewater treatment, refer to Section 3.6.}

2.3.3.2 Groundwater

{No onsite groundwater will be used for actual operation of BBNPP. Susquehanna River water will be used to meet the cooling water demand requirements. Potable water will be purchased from a public water supplier and will be a source for drinking water and water for other non-cooling purposes during plant operation.

The SSES, located adjacent to BBNPP, provides potable water for drinking, pump seal cooling, sanitation, and fire protection through its own onsite groundwater well system. This system consists of two wells (TW-1 and TW-2) which are located approximately 1,200 ft (366 m) northeast of the reactor building. Three additional wells routinely provide water for drinking and/or sanitary use for SSES-owned buildings. Local groundwater use is discussed in Section 2.3.2.

Groundwater analytical results for samples collected in the local area and samples collected at the SSES will be presented and discussed in this section. In addition, groundwater samples have been collected from eight monitoring wells around the BBNPP site. Five of the wells, MW301A, MW302A1, MW304A, MW305A1, and MW306A, are shallow and installed in the Glacial Overburden aquifer. Their depth ranges from approximately 35 to 43 ft (11 to 13 m) bgs. Three wells, MW301B1, MW304B, and MW305B, are deeper and were installed in the shale bedrock (Shallow Bedrock aquifer). The total depth of these three wells range from approximately 140 to 180 ft (43 to 55 m) bgs.

Monitoring wells MW301A and MW301B1 are situated at the approximate center of the power block. The locations of the other wells range from approximately 1,200 to 3,600 ft (365 to 1,100 m) from the approximate center of the BBNPP. MW306A is located on the western side of the site, MW302A1 is located on the east-central side, MW304A and MW304B are located on the far eastern side, and MW305A and MW305B are located on the north-northeastern side of the site. Groundwater sample locations are shown on Figure 2.3-32.

2.3.3.2.1 Glacial Overburden Aquifer

Field parameters measured in the BBNPP monitoring wells are tabulated in Table 2.3-44. Laboratory analytical data are summarized in Table 2.3-39.

pH and Alkalinity

The pH measured in groundwater samples collected from the Glacial Overburden wells ranged between 5.40 and 7.50 (Table 2.3-44). The pH in 6 out of 14 of these wells were consistently below 6.0. Only three of the wells (MW303A, MW307A, and MW310A) had any pH value above 7.0. The total alkalinity measured in five Glacial Overburden wells, for which laboratory analyses were performed, ranged from non-detect to 52 mg/L (Table 2.3-39). Overall, the shallow groundwater in the Glacial Overburden aquifer ranges from neutral to moderately acidic.

Specific Conductance (SC), Total Dissolved Solids (TDS), and Total Hardness

The SC of groundwater from the Glacial Overburden aquifer ranged from 0.048 mS/cm in well MW302A4 to 0.469 mS/cm in well MW309A and the median was 0.181 mS/cm (Table 2.3-44). The highest SC values were encountered in wells MW309A, MW307A, MW305A2, and

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MW304A. The lowest SC values were encountered in wells MW301A, MW302A1, MW302A4, MW308A, and MW310A; the median SC in these wells was 0.147 mS/cm.

Dissolved Oxygen

The DO measured in the Glacial Overburden wells ranged from 0.0 to 8.30 mg/L; most values were less than 6.0 (Table 2.3-44). The lowest values occurred in wells MW302A1, MW302A2, MW305A1, MW305A2, and MW308A. The highest values occurred in wells MW301A, MW302A4, MW303A, MW306A, MW309A, and MW310A (Table 2.3-44). Overall, the Glacial Overburden aquifer has much greater DO concentrations compared to the Bedrock aquifer (discussed below). This suggests that the upward flow of groundwater from the shale bedrock is low in most places relative to the lateral flow of groundwater in the Glacial Overburden aquifer or the rate of recharge from the ground surface.

Inorganic Nitrogen and Phosphorus Compounds (Nutrients)

Nitrate and ammonia have been detected in some or all of the Glacial Overburden wells at low to moderate concentrations (Table 2.3-39). The maximum concentration of ammonia (0.22 mg/L as N) was detected in well MW301A. The maximum concentration of nitrate (5.82 mg/L as N) was detected in well MW306A in February 2008, dropping to 0.75 mg/L in July 2008. Nitrite was not detected in any well. Orthophosphate and total phosphorus were not detected in any well, either.

Metals

The concentrations of metals detected in the Glacial Overburden wells were relatively low (Table 2.3-39) and were similar to concentrations detected in the small creeks (Table 2.3-38), except for iron and manganese, which were slightly elevated in a few wells.

Iron was detected above the secondary MCL of 0.3 mg/L in several well samples. The maximum concentration detected was 2.3 mg/L in well MW302A1 in July 2008.

Manganese was detected above the secondary MCL of 0.05 mg/L in several overburden wells. The maximum concentration detected was 0.72 mg/L in well MW304A in April 2008.

Biological Parameters

Total coliform bacteria were detected in MW301A in July 2008. Fecal coliform bacteria and fecal streptococci were not detected in any sample collected from the five Glacial Overburden well samples that were analyzed.

Organic Chemicals

The Pennsylvania Drinking Water Standards (DWS) list contains volatile organic compounds (VOCs), synthetic organic chemicals (SOCs), and a short list of radiological parameters that were not included in all four rounds of the sampling program. The testing for these compounds in groundwater was limited to a single sampling event. Groundwater samples from three overburden wells (MW301A, MW304A, MW305A) were collected in February 2008 (winter) and were analyzed for VOCs, SOCs, and the radiological parameters listed in Table 2.3-40. None of the VOCs or SOCs tested were detected in the three groundwater samples.

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Radionuclides

No beta-emitting (including tritium) or gamma-emitting radionuclides were detected in the BBNPP Glacial Overburden wells in 2008 during the site-specific sampling program (Table 2.3-39 and Table 2.3-40).

Groundwater data collected from the SSES Glacial Overburden wells indicate that average tritium level in 1981 and 1982 (preoperational) was 101 pCi/L. The average tritium level between 1982 and 2006 has been 53 pCi/L (PPL, 2007). This tritium is not site related. It was likely introduced to groundwater in the U.S. from rainfall recharge during the 1950s and 1960s (i.e., bomb tritium and fallout). The background tritium concentrations in groundwater have been decreasing since 1963, the year of peak release in the atmosphere.

2.3.3.2.2 Shale Bedrock Aquifer

Field parameters measured in the BBNPP Bedrock monitoring wells are tabulated in Table 2.3-44. Laboratory analytical data for samples collected from three of the Bedrock wells are summarized in Table 2.3-39.

pH and Alkalinity

The pH values of the Bedrock wells ranged between 6.74 and 11.18 (Table 2.3-44). Many of these pH values are high and indicate that carbonate mineral dissolution, sulfate reduction, or other geochemical process may be affecting the pH value in the Shale Bedrock aquifer.

The total alkalinity measured in three wells ranged between 34 and 110 mg/L in 2008, which are much higher than alkalinities detected in the Glacial Overburden wells and similar to the alkalinity concentrations measured in the NBSR.

Specific Conductance (SC), Total Dissolved Solids (TDS), and Total Hardness

SC values in the Bedrock wells range from 0.133 to 0.580 mS/cm. The highest values were measured in wells MW304B, MW304C, MW306C, MW308B, and MW309B. Bedrock wells with the lowest SC values were MW301B1, MW303B, MW310B, and MW303C (Table 2.3-44).

Dissolved Oxygen

The DO concentrations measured in the Bedrock wells were much lower than concentrations measured in the Glacial Overburden wells. Values in the Bedrock wells ranged from 0.0 to 10.17 mg/L, but , in general, most values were less than 2.0 mg/L. The lower concentrations of dissolved oxygen in the bedrock indicates that the groundwater in the bedrock is part of a deeper groundwater flow system, the water has been in the ground much longer than the groundwater in the Glacial Overburden aquifer, and most dissolved oxygen in the Bedrock aquifer has been consumed by reactions with mineral and/or organic matter in the shale.

Inorganic Nitrogen and Phosphorus Compounds (Nutrients)

Nitrate was detected (2.0 mg/L) in a sample from MW304B in July 2008. Nitrite was not detected in the Bedrock aquifer (Table 2.3-39). However, ammonia was detected in every sample for each of the three bedrock wells that were sampled. The highest ammonia concentration detected was

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0.99 mg/L (as N). The presence of ammonia, and the general lack of nitrate in the Bedrock aquifer samples indicates that the aquifer is reducing. Orthophosphate and total phosphorus were not detected in the bedrock aquifer.

Metals

All of the metal concentrations measured in the Bedrock aquifer are low or not detectable. The only metals in the bedrock aquifer which appear to be greater than concentrations in the Glacial Overburden aquifer were calcium, sodium, potassium, and strontium (Table 2.3-39).

Biological Parameters

Fecal coliform bacteria were not detected in any of the three bedrock wells sampled (Table 2.3-39). Total coliform bacteria were detected in two of the wells with a maximum of 11 coliform/ 100ml.

Organic Chemicals

The Pennsylvania Drinking Water Standards (DWS) list contains volatile organic compounds (VOCs), synthetic organic chemicals (SOCs), and a short list of radiological parameters that were not included in the seasonal sampling program. The testing for these compounds in groundwater was limited to a single sampling event. A groundwater sample from one Bedrock well (MW304B) was collected in February 2008 (winter) and was analyzed for VOCs, and SOCs, listed in Table 2.3-40. None of the VOCs or SOCs tested were detected in the single groundwater sample.

Radionuclides

No gamma-emitting radionuclides were detected in the Bedrock well samples in 2008 during the BBNPP site-specific sampling program (Table 2.3-39 and Table 2.3-40).

Tritium was detected at a concentration of 1,020 ± 260 pCi/L (38 ± 9.6 Bq/L) in one sample from a bedrock well (MW305B) collected in February 2008 (winter). In addition a gross beta value of 6.5 pCi/L was detected in MW304B in February 2008 (winter). Tritium was not detected in Bedrock in the April and July 2008 samples.}

2.3.3.3 References

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Table 2.3-1 {Approximate Length and Average Gradient of Creeks Located near BBNPP}

#	River/Creek Name	Subwatershed Name[1]	Length	Average Slope
			ft (m)	%
1	Upper Walker Run	Walker Run Watershed (SB-A2)	12,723.10 ft (3,878)	2.30%
2	Lower Walker Run	Walker Run Watershed (SB-A1)	10,410.10 ft (3,173)	1.52%
3	Un-named Tributary to Walker Run	Walker Run Watershed (SB-A3)	11,161 ft (3,402)	3.06%

Note: Lengths represents the entire length of each Creek. Slopes were estimated based on upstream and downstream elevations.

[1] Subwatershed delineation defined in Figure 2.3-3.

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Table 2.3-2 {Annual Peak Streamflow for Wilkes-Barre, PA USGS Station No. 01536500, (1787 through 2006)}

(Page 1 of 3)

Water Year	Date	Gage Height (ft)	Streamflow (cfs)
1787	Oct. 05, 1786	N.A.	189,000
1807	Apr. 1807	N.A.	202,000
1809	Jul. 1809	N.A.	95,200
1833	May 14, 1833	N.A.	176,000
1865	Mar. 18, 1865	33.10	232,000
1891	Jan. 24, 1891	26.80	164,000
1892	Apr. 04, 1892	21.60	112,000
1893	May 05, 1893	22.02	115,000
1894	May 21, 1894	20.00	97,100
1895	Apr. 10, 1895	21.82	113,000
1896	Apr. 01, 1896	24.00	135,000
1897	Oct. 15, 1896	19.00	88,600
1898	Apr. 26, 1898	17.82	78,900
1899	Mar. 06, 1899	18.22	82,100
1900	Mar. 02, 1900	19.70	94,500
1901	Nov. 28, 1900	22.00	115,000
1902	Mar. 02, 1902	31.40	213,000
1903	Mar. 25, 1903	22.40	119,000
1904	Mar. 09, 1904	30.60	204,000
1905	Mar. 26, 1905	23.40	129,000
1906	Apr. 01, 1906	18.10	81,300
1907	Mar. 16, 1907	16.00	65,500
1908	Feb. 17, 1908	23.50	130,000
1909	May 02, 1909	23.00	125,000
1910	Mar. 03, 1910	26.10	157,000
1911	Mar. 29, 1911	19.70	94,500
1912	Apr. 03, 1912	23.20	127,000
1913	Mar. 28, 1913	28.50	184,000
1914	Mar. 29, 1914	28.30	182,000
1915	Feb. 26, 1915	23.30	127,000
1916	Apr. 02, 1916	26.50	160,000
1917	Mar. 28, 1917	17.70	75,700
1918	Mar. 15, 1918	23.00	124,000
1919	May 24, 1919	16.60	66,900
1920	Mar. 13, 1920	26.00	155,000
1921	Mar. 10, 1921	19.00	86,600
1922	Nov. 29, 1921	22.30	117,000
1923	Mar. 05, 1923	19.60	91,800
1924	Apr. 08, 1924	23.50	129,000
1925	Feb. 13, 1925	25.10	145,000
1926	Mar. 26, 1926	19.40	90,100
1927	Nov. 17, 1926	22.70	121,000
1928	Oct. 20, 1927	24.70	141,000
1929	Apr. 22, 1929	26.40	159,000
1930	Mar. 09, 1930	16.70	67,600

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Table 2.3-2 {Annual Peak Streamflow for Wilkes-Barre, PA USGS Station No. 01536500, (1787 through 2006)}

(Page 2 of 3)

Water Year	Date	Gage Height (ft)	Streamflow (cfs)
1931	Mar. 30, 1931	17.60	74,700
1932	Apr. 02, 1932	20.50	107,000
1933	Aug. 25, 1933	19.72	99,800
1934	Mar. 06, 1934	18.00	85,500
1935	Jul. 10, 1935	25.39	151,000
1936	Mar. 20, 1936	33.07	232,000
1937	Jan. 23, 1937	17.15	77,300
1938	Sep. 24, 1938	14.70	64,900
1939	Feb. 22, 1939	23.80	137,000
1940	Apr. 01, 1940	31.53	212,000
1941	Apr. 07, 1941	23.50	138,000
1942	Mar. 11, 1942	20.62	111,000
1943	Jan. 01, 1943	29.37	191,000
1944	May 09, 1944	18.50	90,000
1945	Mar. 05, 1945	21.80	119,000
1946	May 29, 1946	32.01	210,000
1947	Apr. 07, 1947	24.88	151,000
1948	Mar. 23, 1948	28.76	193,000
1949	Dec. 31, 1948	17.39	82,700
1950	Mar. 30, 1950	27.04	172,000
1951	Apr. 01, 1951	22.72	128,000
1952	Mar. 13, 1952	22.39	124,000
1953	Dec. 12, 1952	19.43	98,000
1954	May 5, 1954	16.85	78,900
1955	Mar. 03, 1955	17.80	85,900
1956	Mar. 09, 1956	28.17	186,000
1957	Apr. 07, 1957	20.48	107,000
1958	Apr. 08, 1958	26.80	170,000
1959	Jan. 23, 1959	21.14	113,000
1960	Apr. 02, 1960	29.60	184,000
1961	Feb. 27, 1961	26.20	163,000
1962	Apr. 02, 1962	22.84	128,000
1963	Mar. 28, 1963	22.26	131,000
1964	Mar. 10, 1964	N.A.	188,000
1965	Feb. 14, 1965	11.10	44,600
1966	Feb. 15, 1966	18.25	93,500
1967	Mar. 29, 1967	17.16	84,800
1968	Mar. 24, 1968	19.19	101,000
1969	Apr. 07, 1969	16.57	80,500
1970	Apr. 04, 1970	20.92	115,000
1971	Mar. 17, 1971	20.28	110,000
1972	Jun. 24, 1972	40.91	345,000
1973	Apr. 06, 1973	18.04	91,800
1974	Dec. 28, 1973	18.24	93,400
1975	Sep. 27, 1975	35.06	228,000

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Table 2.3-2 {Annual Peak Streamflow for Wilkes-Barre, PA USGS Station No. 01536500, (1787 through 2006)}

Water Year	Date	Gage Height (ft)	Streamflow (cfs)
1976	Feb. 19, 1976	21.34	118,000
1977	Sep. 26, 1977	21.62	121,000
1978	Jan. 27, 1978	21.08	116,000
1979	Mar. 07, 1979	31.02	192,000
1980	Mar. 23, 1980	19.50	104,000
1981	Feb. 22, 1981	19.57	104,000
1982	Oct. 29, 1981	17.24	86,400
1983	Apr. 16, 1983	23.86	138,000
1984	Dec. 14, 1983	29.76	192,000
1985	Mar. 14, 1985	13.04	55,800
1986	Mar. 16, 1986	27.36	172,000
1987	Apr. 05, 1987	19.22	98,500
1988	May 21, 1988	16.88	82,200
1989	May 12, 1989	21.12	117,000
1990	Feb. 18, 1990	15.75	74,900
1991	Oct. 25, 1990	22.69	134,000
1992	Mar. 28, 1992	18.46	92,000
1993	Apr. 02, 1993	29.87	185,000
1994	Mar. 26, 1994	24.16	148,000
1995	Jan. 22, 1995	15.76	72,100
1996	Jan. 20, 1996	34.45	221,000
1997	Nov. 10, 1996	23.57	128,000
1998	Jan. 09, 1998	24.79	138,000
1999	Jan. 25, 1999	21.59	112,000
2000	Feb. 29, 2000	23.66	129,000
2001	Apr. 11, 2001	19.49	96,800
2002	Mar. 28, 2002	17.02	78,900
2003	Mar. 22, 2003	22.84	122,000
2004	Sep. 19, 2004	34.96	227,000
2005	Apr. 04, 2005	30.88	189,000
2006	Jun. 28, 2006	34.14	218,000

Note: N.A. = Not Available
Source: USGS, 2008b

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Table 2.3-3 {Monthly Streamflow for Danville, PA USGS Station No. 01540500, (1905 through 2006)}

Discharge, cubic feet per second													
Year	Monthly Mean in cfs (Calculation Period: 1/04/1899 to 9/30/2006)												Average Yearly Discharge
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
1899				28,770	8,567	3,378	1,965	1,653	1,140	1,072	7,045	12,680	
1900	18,270	28,220	23,770	26,340	6,583	3,506	2,320	1,635	1,239	1,120	10,850	14,070	11,494
1901	5,532	3,893	32,830	39,250	21,450	15,670	3,065	7,403	4,257	3,570	5,288	25,910	14,010
1902	11,530	7,264	65,710	21,860	4,847	4,968	29,010	10,070	4,917	14,970	8,394	22,930	17,206
1903	13,320	34,970	53,490	23,650	3,388	10,260	7,877	13,070	10,930	27,370	12,570	7,036	18,161
1904	14,090	15,720	52,520	31,290	15,750	11,170	3,636	5,192	4,119	11,250	5,972	7,658	14,864
1905	19,680	5,289	41,070	24,550	5,873	10,750	5,488	5,466	12,650	8,081	5,527	20,020	13,704
1906	15,400	10,690	18,650	37,390	12,100	13,920	6,493	3,662	1,869	5,128	10,070	11,070	12,204
1907	29,450	5,347	24,070	17,920	13,720	4,808	4,367	1,485	5,139	11,100	18,550	30,440	13,866
1908	14,070	21,570	45,190	25,010	25,840	4,471	2,718	1,480	869.3	1,059	1,476	1,357	12,093
1909	14,490	33,760	21,360	27,200	28,210	10,610	2,076	1,451	1,124	1,188	1,206	2,143	12,068
1910	12,730	6,407	51,580	17,050	15,620	10,970	1,946	996.1	1,030	1,117	3,074	2,611	10,428
1911	20,760	7,584	21,620	30,540	5,980	7,086	1,764	1,278	3,637	9,217	8,976	14,310	11,063
1912	6,796	8,097	32,870	46,810	16,450	3,641	1,249	1,817	12,860	9,300	13,080	15,590	14,047
1913	36,070	7,294	40,100	19,960	9,271	4,425	1,359	920.6	1,008	2,992	10,670	5,988	11,671
1914	7,662	14,860	29,750	53,770	26,430	4,183	4,774	5,100	3,800	1,448	1,689	2,130	12,966
1915	25,850	35,260	12,120	13,440	8,379	2,479	26,580	18,630	6,652	10,290	6,982	11,990	14,888
1916	25,390	11,490	18,370	59,300	16,650	22,970	5,886	1,758	2,360	4,871	5,166	6,873	15,090
1917	8,178	4,319	26,620	19,990	13,000	27,230	16,900	14,020	5,403	15,240	13,850	2,499	13,937
1918	1,450	18,650	41,430	27,980	16,850	9,701	3,672	1,480	5,144	9,190	14,180	11,490	13,435
1919	12,130	6,480	20,760	20,690	26,190	4,701	4,576	3,694	1,980	2,577	15,160	9,185	10,677
1920	2,839	2,710	48,990	23,090	9,845	3,896	7,191	7,686	7,497	10,080	13,200	24,170	13,433
1921	8,949	9,669	35,460	16,860	10,450	2,428	3,142	2,557	1,848	2,879	19,960	17,860	11,005
1922	6,303	15,530	32,910	32,310	9,612	24,760	11,890	5,544	4,555	2,056	2,069	2,458	12,500
1923	9,361	6,578	35,250	19,070	15,250	4,580	1,612	1,440	1,887	3,361	4,175	15,860	9,869
1924	19,480	5,369	14,990	40,400	23,830	6,096	3,983	2,554	3,865	16,760	3,658	5,501	12,207
1925	2,912	34,590	22,310	16,390	11,350	3,668	6,191	4,574	5,241	6,519	19,490	16,100	12,445
1926	10,370	14,760	28,820	35,280	8,108	4,088	2,052	5,947	5,990	14,490	30,970	9,160	14,170
1927	11,480	20,860	44,130	16,630	26,190	7,843	2,845	3,210	4,003	24,560	32,130	35,260	19,095
1928	15,090	17,640	21,790	32,330	23,720	23,050	17,160	7,714	2,520	2,090	3,554	7,607	14,522

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Table 2.3-3 {Monthly Streamflow for Danville, PA USGS Station No. 01540500, (1905 through 2006)}

Discharge, cubic feet per second													
Year	Monthly Mean in cfs (Calculation Period: 1/04/1899 to 9/30/2006)												Average Yearly Discharge
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
1929	5,094	5,985	39,710	52,190	29,710	5,257	2,737	1,527	1,284	6,861	9,856	13,970	14,515
1930	21,510	12,780	29,640	18,360	9,824	9,205	3,542	1,105	1,968	1,105	1,089	1,933	9,338
1931	1,386	3,516	20,320	30,170	22,500	7,557	7,231	2,679	1,838	1,248	2,454	10,080	9,248
1932	21,670	20,910	13,790	41,680	16,620	3,803	4,292	2,240	1,116	11,290	23,390	6,096	13,908
1933	8,742	6,148	25,060	33,520	11,260	4,794	2,536	12,160	14,390	6,120	8,315	11,810	12,071
1934	17,540	3,882	20,790	32,410	6,496	4,413	2,050	1,657	7,036	4,734	9,027	13,840	10,323
1935	20,740	7,950	30,980	28,470	17,920	4,142	20,330	4,837	2,348	2,193	22,530	13,280	14,643
1936	8,910	5,233	80,560	26,230	8,509	3,261	1,479	2,132	1,602	3,417	12,630	11,800	13,814
1937	29,760	13,690	12,980	35,000	15,600	8,682	4,684	6,650	5,355	11,910	14,750	13,580	14,387
1938	11,100	21,240	23,240	17,790	7,799	4,326	3,667	4,648	12,470	4,771	7,107	23,010	11,764
1939	8,180	31,060	32,500	27,160	6,113	2,453	1,284	1,225	769.9	1,930	4,473	6,160	10,276
1940	3,523	3,800	16,890	85,900	15,430	8,798	5,736	2,103	4,709	3,159	9,089	15,950	14,591
1941	12,400	6,389	14,030	39,500	5,216	3,904	2,046	2,545	1,059	904.9	2,405	6,802	8,100
1942	6,200	6,554	36,930	20,310	15,050	9,016	4,167	5,583	5,040	12,310	18,120	21,510	13,399
1943	28,000	20,890	36,320	27,250	39,590	12,190	2,910	2,737	1,737	6,640	18,140	5,562	16,831
1944	3,124	6,258	26,340	28,050	20,310	9,326	3,343	1,544	1,882	3,481	5,022	10,100	9,898
1945	10,600	14,070	58,930	17,050	28,990	14,220	8,212	5,731	10,010	17,940	25,280	16,360	18,949
1946	17,750	6,591	33,520	6,918	31,800	21,870	7,571	6,876	3,019	8,004	5,342	4,075	12,778
1947	17,480	11,910	22,990	41,480	36,940	18,130	14,020	7,032	4,295	1,775	6,875	5,935	15,739
1948	3,503	13,100	50,290	32,680	22,200	9,963	5,886	4,287	1,514	1,605	7,474	10,340	13,570
1949	29,220	18,450	15,920	18,500	12,650	3,814	1,671	1,917	3,279	3,651	6,137	13,910	10,760
1950	20,880	11,830	33,230	41,180	14,060	10,620	4,331	4,639	11,120	6,144	18,670	29,980	17,224
1951	22,970	29,250	27,810	32,020	7,077	5,389	7,967	3,039	1,959	1,806	9,802	16,750	13,820
1952	29,560	16,460	32,470	30,100	19,900	6,702	5,783	2,753	2,868	1,681	5,252	20,200	14,477
1953	20,620	18,820	26,870	23,900	21,570	6,924	2,239	1,348	1,143	1,218	3,272	10,020	11,495
1954	7,011	22,010	20,700	23,300	22,120	8,750	2,105	1,133	2,173	1,408	10,730	17,090	11,544
1955	14,140	12,090	42,870	16,500	6,530	3,773	1,409	6,229	2,270	27,750	25,580	9,335	14,040
1956	7,138	14,700	44,380	55,210	17,570	7,812	5,722	2,580	6,346	5,035	7,171	21,930	16,300
1957	13,970	10,900	21,490	36,210	14,820	4,756	3,196	2,186	1,642	1,933	3,910	16,130	10,929
1958	10,880	6,400	27,030	72,870	25,600	11,420	6,419	3,028	4,221	6,490	12,520	8,166	16,254

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Table 2.3-3 {Monthly Streamflow for Danville, PA USGS Station No. 01540500, (1905 through 2006)}

Discharge, cubic feet per second													
Year	Monthly Mean in cfs (Calculation Period: 1/04/1899 to 9/30/2006)												Average Yearly Discharge
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
1959	16,900	14,240	23,870	33,830	9,965	3,041	1,663	1,330	1,735	8,333	24,820	32,810	14,378
1960	18,110	22,090	13,210	57,530	22,600	22,280	5,162	3,425	9,404	3,774	4,878	2,862	15,444
1961	2,044	24,330	32,710	45,110	21,320	11,850	4,647	4,654	2,593	1,449	3,120	5,132	13,247
1962	12,800	5,855	26,660	42,730	9,660	2,519	1,086	1,118	861.7	7,335	11,230	7,981	10,820
1963	6,415	4,752	36,900	24,560	13,120	5,776	2,493	1,674	1,054	816.5	2,444	8,188	9,016
1964	16,260	8,928	55,860	24,200	13,350	2,784	1,452	853.2	636.7	704.7	723.6	2,451	10,684
1965	4,704	15,470	10,250	23,010	10,170	3,688	1,187	1,282	1,634	3,753	6,439	8,566	7,513
1966	7,521	18,240	36,870	16,560	19,580	7,569	1,862	1,260	1,346	1,656	3,552	10,110	10,511
1967	9,553	11,000	24,860	27,530	22,980	6,503	5,145	7,098	3,912	8,988	22,100	18,660	14,027
1968	6,505	13,740	27,100	13,710	18,800	20,470	7,344	2,190	5,413	2,884	22,460	16,070	13,057
1969	10,250	11,090	13,810	29,700	12,250	9,353	4,792	4,988	1,625	1,347	13,830	14,380	10,618
1970	5,874	22,800	17,510	51,580	13,790	4,132	4,021	1,994	2,241	5,925	14,730	11,060	12,971
1971	7,767	19,740	38,400	34,460	18,690	3,699	1,879	3,253	2,307	2,040	3,005	20,400	12,970
1972	16,220	6,116	43,240	38,690	29,620	54,330	14,570	3,648	1,849	2,357	29,280	36,630	23,046
1973	19,470	17,140	26,240	30,490	20,920	10,810	7,681	3,399	3,314	2,356	4,818	32,540	14,932
1974	22,850	18,390	23,190	36,500	14,200	5,423	6,097	2,467	5,865	4,053	11,950	20,440	14,285
1975	20,840	29,320	25,430	18,730	19,580	11,460	3,920	2,762	28,680	25,020	14,030	15,520	17,941
1976	16,160	43,030	30,810	18,630	17,690	12,950	9,978	9,028	4,863	29,510	13,020	9,375	17,920
1977	4,565	9,047	50,960	30,020	13,040	3,763	3,330	3,991	24,940	39,860	27,930	33,670	20,426
1978	33,900	12,740	39,440	39,740	17,690	7,113	2,779	5,043	2,789	4,496	4,799	9,565	15,008
1979	34,360	12,090	53,400	24,870	14,660	6,938	2,444	1,979	3,667	8,481	15,970	14,510	16,114
1980	7,779	3,326	31,090	37,530	11,500	3,701	4,497	1,975	1,152	1,762	4,645	7,363	9,693
1981	2,290	40,790	12,550	11,970	15,020	8,667	3,694	2,535	3,769	14,000	16,970	11,510	11,980
1982	10,240	16,870	32,180	30,600	7,935	20,780	7,588	2,458	1,339	1,267	3,487	8,053	11,900
1983	6,995	18,160	19,070	51,430	31,020	8,614	3,637	1,877	1,171	1,338	5,446	34,770	15,294
1984	5,548	36,800	15,660	50,110	31,200	14,800	10,800	7,481	3,254	1,995	4,493	19,310	16,788
1985	9,432	8,889	21,270	14,260	5,520	3,692	2,828	1,806	4,752	6,413	17,260	17,210	9,444
1986	12,160	18,620	42,820	21,230	10,770	11,930	6,083	8,627	2,581	6,454	21,960	20,430	15,305
1987	8,313	4,682	24,780	35,420	6,451	4,690	5,725	2,001	8,459	5,971	8,365	14,200	10,755
1988	6,334	16,060	19,730	13,220	19,150	4,155	2,357	1,985	3,293	2,888	12,090	5,955	8,935

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Table 2.3-3 {Monthly Streamflow for Danville, PA USGS Station No. 01540500, (1905 through 2006)}

Discharge, cubic feet per second													
Year	Monthly Mean in cfs (Calculation Period: 1/04/1899 to 9/30/2006)												Average Yearly Discharge
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
1989	5,107	7,206	13,360	25,890	38,140	24,420	6,988	2,695	3,167	8,989	14,190	5,239	12,949
1990	14,550	37,320	17,650	22,600	21,320	6,815	5,823	3,874	2,957	24,180	22,160	28,540	17,316
1991	20,800	19,540	27,590	21,420	10,990	2,712	1,311	1,346	1,209	1,919	5,246	11,190	10,439
1992	12,460	8,367	24,330	26,780	14,270	10,660	6,203	10,040	7,683	9,541	22,580	15,820	14,061
1993	23,150	5,857	22,170	100,000	12,800	4,445	2,039	1,589	2,166	3,162	16,940	19,600	17,827
1994	6,917	17,430	43,670	61,030	11,450	11,680	9,344	19,560	7,105	5,358	10,760	18,080	18,532
1995	19,380	8,199	20,670	14,180	6,508	4,091	1,841	1,352	1,079	9,809	15,750	10,600	9,455
1996	40,740	19,470	21,020	32,350	36,730	8,321	8,785	4,846	4,778	13,040	29,540	44,610	22,019
1997	12,780	14,640	28,580	20,490	14,800	7,063	2,680	1,809	1,813	1,912	7,600	10,970	10,428
1998	36,890	21,510	41,770	32,420	20,380	13,140	13,990	2,388	1,781	2,354	2,078	2,997	15,975
1999	19,670	18,000	23,070	22,980	6,720	2,137	1,850	977.2	5,629	5,660	6,522	12,500	10,476
2000	14,040	21,930	35,820	42,570	32,330	18,920	6,466	5,308	3,217	5,470	5,309	14,310	17,141
2001	6,057	14,130	20,660	42,310	5,076	9,479	3,451	1,497	3,100	2,123	2,043	9,778	9,975
2002	5,599	20,470	18,500	20,520	31,090	23,330	4,078	1,387	2,146	10,330	15,860	17,870	14,265
2003	16,060	9,674	43,550	31,090	13,520	28,280	10,210	11,860	15,980	17,550	26,180	34,030	21,499
2004	16,350	6,844	33,800	26,890	22,110	9,290	13,870	18,180	37,600	10,400	13,250	30,870	19,955
2005	30,770	18,550	24,500	47,890	7,532	4,134	3,076	1,317	2,284	17,970	20,430	22,730	16,765
2006	35,210	21,190	13,930	13,280	9,054	31,720	23,620	8,361	12,880				
Mean of Monthly Discharge	14,300	14,900	30,100	31,200	16,400	9,490	5,640	4,150	4,700	7,110	11,300	14,400	13,641

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Table 2.3-4 {Mean Daily Streamflow for Wilkes-Barre, PA USGS Station No. 01536500, (1899 through 2006)}

Discharge, cubic feet per second												
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	15,700	13,300	23,200	40,600	20,400	11,500	8,600	4,510	4,240	6,340	8,680	15,000
2	15,200	12,800	23,600	40,300	19,900	11,300	8,440	4,540	4,330	6,170	8,270	15,300
3	15,200	13,300	22,900	40,800	18,800	11,200	7,740	4,500	4,680	5,780	8,730	15,200
4	15,000	14,000	22,600	40,100	18,100	11,300	7,130	4,360	4,840	5,430	8,910	14,900
5	14,800	13,200	23,700	39,800	17,600	10,700	6,460	4,470	4,430	5,040	8,850	15,000
6	14,700	12,100	24,700	41,200	17,100	10,300	6,080	4,260	4,070	4,900	9,000	14,800
7	15,000	11,300	26,300	41,500	16,900	10,900	6,100	4,360	3,770	5,450	8,720	14,600
8	15,400	10,900	25,700	39,600	17,400	10,400	5,910	4,080	3,390	5,250	8,970	14,700
9	15,500	10,800	26,000	37,700	17,300	9,740	6,970	4,000	3,190	5,480	10,900	14,800
10	15,000	10,300	25,800	35,700	17,200	9,150	7,850	4,210	3,440	6,590	11,700	14,300
11	13,600	11,700	24,600	35,100	18,000	8,590	6,740	4,100	3,390	6,690	11,500	15,100
12	12,800	13,300	26,100	33,000	18,600	8,370	5,690	3,960	3,480	6,180	11,000	15,700
13	12,500	12,900	27,400	31,800	19,300	8,380	5,310	3,970	3,830	5,860	10,300	15,200
14	12,400	12,900	27,800	31,200	19,200	8,480	5,260	3,850	3,880	5,620	10,700	15,800
15	12,500	13,800	29,300	31,200	17,900	9,040	5,000	4,050	3,710	5,820	11,100	17,100
16	12,100	15,500	30,800	31,400	16,500	9,220	4,780	4,080	3,890	6,390	10,700	16,900
17	11,800	15,400	31,500	31,100	15,600	9,140	4,530	3,740	4,120	6,720	12,000	15,400
18	11,200	15,100	32,300	29,300	15,100	9,340	4,290	3,930	5,230	7,030	12,600	14,100
19	11,900	14,700	32,000	27,000	14,700	8,910	4,240	4,810	5,900	7,460	12,800	13,700
20	13,400	14,700	30,300	25,300	14,800	8,120	4,180	4,040	5,310	8,660	12,800	13,000
21	13,800	16,700	30,200	25,200	15,400	8,160	4,330	3,730	4,830	9,230	12,700	12,800
22	14,900	17,500	31,400	25,700	15,800	8,910	4,740	3,890	4,770	8,890	12,200	12,900
23	15,800	18,000	33,100	25,300	15,600	10,700	5,080	4,080	4,830	8,380	12,000	12,700
24	15,900	18,800	33,100	24,000	14,800	11,000	5,270	4,270	4,780	8,490	11,600	12,800
25	16,300	20,300	33,500	24,000	14,800	10,100	5,420	4,630	5,310	8,750	11,600	13,600
26	17,100	21,500	34,300	24,200	14,600	8,310	5,140	4,230	6,550	8,740	12,300	13,400
27	16,800	20,700	36,900	22,500	13,900	7,510	4,610	3,680	7,710	8,770	13,600	13,100
28	15,900	20,400	40,300	21,000	13,600	8,490	4,790	3,900	7,180	8,640	14,600	12,600
29	14,700	17,500	42,400	20,400	14,300	8,730	4,880	3,770	5,910	9,240	15,500	12,500
30	13,700		41,300	20,000	14,100	8,550	4,620	4,330	5,870	9,390	15,400	13,300
31	13,600		40,500		12,400		4,540	4,330		8,910		15,000

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Table 2.3-5 {Maximum Daily Streamflow for Wilkes-Barre, PA USGS Station No. 01536500, (1899 through 2006)}

Discharge, cubic feet per second												
Day	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**	**Oct**	**Nov**	**Dec**
1	180,000	68,900	193,000	206,000	97,200	64,100	120,000	47,100	47,600	111,000	66,900	99,100
2	111,000	59,500	206,000	199,000	118,000	76,800	94,000	36,500	38,400	107,000	50,900	70,700
3	103,000	50,500	198,000	181,000	103,000	72,600	59,100	34,500	39,700	70,000	39,000	124,000
4	90,900	77,900	149,000	187,000	77,800	64,200	39,500	27,200	50,200	41,500	60,300	99,000
5	61,900	84,500	112,000	157,000	74,700	54,600	34,500	49,200	44,900	35,100	47,900	113,000
6	54,800	66,100	166,000	170,000	54,700	38,400	28,300	46,300	33,300	29,400	52,500	95,000
7	77,300	48,100	202,000	178,000	59,600	67,400	42,300	55,300	35,000	45,800	42,500	63,600
8	73,600	36,600	150,000	167,000	78,100	65,900	49,900	36,000	27,700	50,300	53,800	83,900
9	123,000	51,600	179,000	141,000	81,200	50,000	99,700	28,600	17,600	40,300	68,400	78,100
10	126,000	38,800	139,000	137,000	66,300	39,000	142,000	51,500	51,600	89,400	123,000	65,200
11	103,000	62,400	187,000	167,000	84,200	35,900	115,000	32,300	56,500	107,000	92,600	71,100
12	85,700	130,000	129,000	174,000	111,000	38,400	56,200	32,800	36,400	106,000	80,500	89,600
13	70,300	138,000	182,000	132,000	120,000	36,900	37,400	25,900	28,700	79,200	61,200	81,100
14	93,200	95,400	150,000	97,500	101,000	36,400	35,300	27,200	33,600	47,100	58,600	157,000
15	132,000	108,000	131,000	89,900	76,300	44,600	35,500	27,400	26,500	44,500	68,700	184,000
16	92,500	179,000	169,000	115,000	64,000	61,600	26,900	31,000	26,600	151,000	61,900	166,000
17	66,900	133,000	136,000	125,000	67,800	55,900	21,400	22,500	43,300	144,000	95,400	122,000
18	48,500	102,000	192,000	123,000	56,200	59,600	22,200	32,700	122,000	109,000	112,000	59,500
19	97,300	115,000	229,000	93,000	57,500	52,000	23,400	95,300	204,000	99,800	84,900	58,300
20	210,000	110,000	221,000	69,600	56,400	35,300	16,500	64,600	125,000	130,000	70,800	50,400
21	193,000	113,000	184,000	98,100	77,200	41,700	39,400	46,800	67,000	120,000	70,500	45,000
22	128,000	129,000	144,000	148,000	68,500	81,200	57,800	38,900	57,900	70,700	61,400	73,700
23	99,400	84,700	180,000	141,000	68,500	272,000	48,100	38,200	57,000	63,500	47,100	75,100
24	82,300	88,400	162,000	94,500	77,800	329,000	45,900	59,500	64,100	69,900	39,900	65,000
25	110,000	144,000	134,000	100,000	70,000	275,000	48,300	90,400	58,200	126,000	42,000	86,100
26	92,300	154,000	139,000	136,000	100,000	128,000	54,700	65,800	126,000	80,400	81,700	69,300
27	101,000	158,000	155,000	115,000	80,000	73,500	37,400	38,000	244,000	79,700	110,000	54,900
28	103,000	123,000	178,000	91,800	149,000	184,000	63,500	37,600	201,000	58,600	102,000	88,300
29	73,100	127,000	179,000	66,100	206,000	179,000	72,100	30,600	80,300	73,700	107,000	79,200
30	54,500		168,000	64,600	138,000	151,000	60,500	90,000	50,000	69,600	96,300	75,200
31	66,100		173,000		87,900		42,300	68,700		78,200		176,000

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Table 2.3-6 {Minimum Daily Streamflow for Wilkes-Barre, PA USGS Station No. 01536500, (1899 through 2006)}

Discharge, cubic feet per second												
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	1,090	1,300	2,100	8,050	6,230	2,000	1,330	787	725	681	699	992
2	1,090	1,300	2,200	8,390	5,910	2,000	1,320	836	746	674	664	984
3	1,160	1,280	2,300	7,590	5,340	2,000	1,280	808	706	658	642	992
4	1,110	1,280	2,200	7,140	5,070	1,810	1,280	774	708	729	632	1,140
5	1,060	1,220	2,200	6,750	4,800	1,810	1,280	780	712	722	627	1,190
6	1,060	1,160	2,100	6,470	4,540	1,810	1,210	768	704	722	642	1,220
7	1,160	1,160	2,100	6,780	4,280	1,810	1,150	732	675	720	637	1,240
8	1,160	1,160	2,600	7,660	4,280	1,810	1,110	808	670	720	627	1,230
9	1,060	1,110	2,820	7,600	4,280	2,000	1,090	720	675	699	637	1,090
10	1,060	1,060	2,820	7,380	3,780	2,000	1,070	722	670	693	653	860
11	1,010	1,060	2,600	7,100	3,540	1,810	995	716	637	687	653	1,090
12	1,160	1,110	2,390	6,930	3,540	1,970	983	799	627	675	653	1,060
13	1,390	1,340	2,390	6,280	3,300	1,840	990	842	597	675	653	1,060
14	1,340	1,800	3,270	6,280	3,070	1,840	969	822	588	670	637	1,060
15	1,300	1,530	3,400	6,540	3,070	1,840	924	815	588	664	627	1,060
16	1,290	1,530	3,300	6,540	3,070	1,720	909	801	583	670	632	1,060
17	1,300	1,950	3,300	5,660	2,840	1,790	872	780	578	681	653	1,060
18	1,320	2,100	3,600	5,660	2,840	1,960	1,040	774	569	681	653	1,060
19	1,410	2,200	4,200	7,100	2,620	1,880	1,020	810	552	693	653	1,090
20	1,660	2,100	5,340	6,540	2,620	1,810	986	787	548	716	710	1,220
21	1,530	2,470	4,800	6,000	2,620	1,700	920	794	544	722	681	1,340
22	1,300	2,290	4,800	5,730	2,660	1,670	920	822	544	700	681	1,400
23	1,210	2,200	4,280	5,690	2,620	1,570	928	836	552	700	681	1,090
24	1,220	2,000	4,280	5,470	2,620	1,480	986	836	569	720	704	970
25	1,230	2,000	4,540	5,210	2,200	1,440	942	818	548	722	761	1,490
26	1,310	2,000	4,800	5,210	2,200	1,400	920	785	536	722	913	1,490
27	1,410	2,000	5,070	5,210	2,200	1,350	944	795	532	710	992	1,490
28	1,530	2,000	6,440	5,470	2,200	1,350	878	805	578	704	1,100	1,220
29	1,470	2,200	7,070	5,470	2,000	1,470	843	785	699	704	1,080	1,360
30	1,400		7,450	6,000	2,000	1,400	815	735	684	710	1,040	1,090
31	1,360		7,660		2,000		787	725		710		1,090

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Table 2.3-7 {Annual Peak Streamflow for Danville, PA USGS Station No. 01540500, (1905 through 2006)}

Water Year	Date	Gage Height (ft)	Streamflow (cfs)
1865	Mar. 18, 1865	28.00	N.A.
1900	Mar. 02, 1900	15.90	105,000
1901	Nov. 28, 1900	18.50	135,000
1902	Mar. 03, 1902	26.90	243,000
1903	Mar. 25, 1903	18.20	132,000
1904	Mar. 27, 1904	19.62	148,000
1905	Mar. 26, 1905	18.62	136,000
1906	Apr. 01, 1906	15.40	99,500
1907	Mar. 17, 1907	13.00	73,400
1908	Feb. 17, 1908	17.40	122,000
1909	May 2, 1909	18.40	134,000
1910	Mar. 03, 1910	21.00	165,000
1911	Mar. 29, 1911	15.20	97,300
1912	Apr. 03, 1912	17.91	129,000
1913	Mar. 28, 1913	23.11	192,000
1914	Mar. 29, 1914	22.60	186,000
1915	Feb. 26, 1915	19.00	141,000
1916	Apr. 02, 1916	21.80	175,000
1917	Mar. 29, 1917	14.80	92,900
1918	Mar. 16, 1918	18.60	139,000
1919	May 24, 1919	13.70	80,800
1920	Mar. 14, 1920	20.90	170,000
1921	Mar. 10, 1921	15.50	101,000
1922	Nov. 30, 1921	18.10	133,000
1923	Mar. 05, 1923	15.80	105,000
1924	Apr. 08, 1924	18.80	142,000
1925	Feb. 13, 1925	20.30	162,000
1926	Mar. 27, 1926	15.50	101,000
1927	Nov. 17, 1926	18.80	142,000
1928	Oct. 21, 1927	19.90	156,000
1929	Apr. 23, 1929	20.35	163,000
1930	Mar. 09, 1930	13.50	78,700
1931	Mar. 30, 1931	14.35	88,500
1932	Apr. 02, 1932	17.05	119,000
1933	Aug. 25, 1933	17.04	119,000
1934	Mar. 06, 1934	14.50	98,600
1935	Jul. 11, 1935	20.00	153,000
1936	Mar. 20, 1936	27.42	250,000
1937	Jan. 23, 1937	15.20	93,400
1938	Oct. 24, 1937	13.80	79,400
1939	Feb. 22, 1939	19.20	139,000
1940	Apr. 02, 1940	25.25	222,000
1941	Apr. 07, 1941	19.45	142,000
1942	Mar. 11, 1942	17.08	116,000
1943	Jan. 01, 1943	24.00	204,000

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Table 2.3-7 {Annual Peak Streamflow for Danville, PA USGS Station No. 01540500, (1905 through 2006)}

Water Year	Date	Gage Height (ft)	Streamflow (cfs)
1944	May 9, 1944	15.48	97,600
1945	Mar. 05, 1945	17.55	121,000
1946	May 26, 1946	25.98	234,000
1947	Apr. 07, 1947	19.95	150,000
1948	Mar. 24, 1948	22.63	184,000
1949	Jan. 01, 1949	15.16	89,600
1950	Mar. 30, 1950	21.81	168,000
1951	Dec. 05, 1950	19.02	131,000
1952	Mar. 13, 1952	18.84	127,000
1953	Dec. 13, 1952	16.80	103,000
1954	May 5, 1954	14.71	82,100
1955	Mar. 03, 1955	15.09	85,900
1956	Mar. 09, 1956	22.47	175,000
1957	Apr. 08, 1957	17.78	114,000
1958	Apr. 08, 1958	21.87	169,000
1959	Jan. 24, 1959	17.45	112,000
1960	Apr. 02, 1960	23.92	198,000
1961	Feb. 28, 1961	21.72	167,000
1962	Apr. 02, 1962	19.38	136,000
1963	Mar. 29, 1963	18.89	130,000
1964	Mar. 11, 1964	25.13	261,000
1965	Feb. 14, 1965	N.A	44,900
1966	Feb. 15, 1966	16.26	98,900
1967	Mar. 30, 1967	15.23	87,500
1968	Mar. 24, 1968	16.75	104,000
1969	Apr. 07, 1969	14.67	81,700
1970	Apr. 04, 1970	18.24	122,000
1971	Mar. 17, 1971	17.34	111,000
1972	Jun. 25, 1972	32.16	363,000
1973	Dec. 08, 1972	15.96	99,600
1974	Dec. 29, 1973	16.39	103,000
1975	Sep. 28, 1975	27.52	257,000
1976	Feb. 19, 1976	18.13	120,000
1977	Sep. 27, 1977	18.04	122,000
1978	Mar. 23, 1978	17.98	116,000
1979	Mar. 07, 1979	23.93	188,000
1980	Mar. 23, 1980	16.65	104,000
1981	Feb. 22, 1981	16.95	105,000
1982	Oct. 30, 1981	14.61	83,300
1983	Apr. 17, 1983	20.53	149,000
1984	Apr. 07, 1984	24.14	194,000
1985	Mar. 14, 1985	11.77	55,300
1986	Mar. 16, 1986	22.68	173,000
1987	Apr. 06, 1987	16.74	104,000
1988	May 21, 1988	14.81	83,500

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Table 2.3-7 {Annual Peak Streamflow for Danville, PA USGS Station No. 01540500, (1905 through 2006)}

(Page 3 of 3)

Water Year	Date	Gage Height (ft)	Streamflow (cfs)
1989	May 15, 1989	17.70	116,000
1990	Feb. 18, 1990	13.51	70,900
1991	Oct. 25, 1990	18.51	124,000
1992	Mar. 29, 1992	15.37	89,200
1993	Apr. 03, 1993	23.97	187,000
1994	Mar. 26, 1994	20.15	139,000
1995	Jan. 22, 1995	13.81	73,700
1996	Jan. 21, 1996	25.96	209,000
1997	Dec. 03, 1996	19.06	130,000
1998	Jan. 10, 1998	20.43	143,000
1999	Jan. 25, 1999	17.81	116,000
2000	Feb. 29, 2000	19.24	132,000
2001	Apr. 11, 2001	15.95	97,800
2002	May 15, 2002	14.84	84,700
2003	Mar. 22, 2003	18.81	130,000
2004	Sep. 19, 2004	26.22	220,000
2005	Apr. 04, 2005	24.28	202,000
2006	Jun. 28, 2006	28.19	260,000
Note: N.A. = Not Available			

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Table 2.3-8 {Monthly Streamflow for Wilkes-Barre, PA USGS Station No. 01536500, (1899 through 2006)}

Discharge, cubic feet per second													
Year	Monthly mean in cfs (Calculation Period: 4/01/1905 - 9/30/2006)												Average Yearly
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
1905				26,690	6,975	11,620	6,260	6,885	15,520	10,060	6,878	22,370	
1906	18,760	13,000	22,820	44,750	14,010	18,240	8,100	5,331	3,203	7,000	12,300	13,950	15,122
1907	32,910	5,861	26,290	20,100	15,810	6,923	6,359	2,296	6,974	12,670	22,020	35,290	16,125
1908	16,680	25,740	51,260	27,780	31,220	5,752	3,637	1,960	1,016	1,346	1,935	1,602	14,161
1909	16,220	38,830	23,740	31,820	32,710	11,850	2,798	1,852	1,437	1,545	1,593	2,584	13,915
1910	12,070	7,473	55,380	20,850	17,720	14,050	2,864	1,486	1,566	1,636	4,058	3,169	11,860
1911	23,580	9,125	23,720	34,140	7,699	8,713	2,594	2,343	5,892	12,700	11,550	16,960	13,251
1912	7,800	10,780	38,270	53,280	21,170	5,148	2,088	3,116	15,420	11,570	16,190	19,600	17,036
1913	43,230	9,358	45,020	24,970	12,600	6,498	2,440	1,318	1,540	4,069	11,870	8,030	14,245
1914	8,545	18,160	34,920	64,170	31,080	5,310	6,131	6,258	4,822	2,159	2,400	2,742	15,558
1915	33,090	42,620	14,230	14,970	10,860	4,194	28,490	23,110	8,444	10,920	7,879	13,260	17,672
1916	28,700	13,950	22,340	71,860	18,850	27,360	10,610	3,262	3,701	6,272	6,212	9,144	18,522
1917	16,300	6,172	31,350	23,400	14,130	31,190	19,040	17,000	7,562	17,750	18,310	3,981	17,182
1918	2,347	25,200	49,110	34,650	18,290	12,060	5,111	2,849	6,956	11,030	16,260	12,810	16,389
1919	14,250	7,635	23,630	24,330	31,250	6,039	5,546	4,664	2,473	3,100	17,670	13,300	12,824
1920	4,013	2,841	60,370	26,320	11,050	5,347	8,229	8,514	7,688	11,500	14,870	29,340	15,840
1921	9,878	11,120	42,470	19,140	12,590	3,280	3,948	3,594	2,664	3,542	20,660	22,200	12,924
1922	7,430	18,650	37,800	38,940	11,050	28,690	14,460	5,834	4,916	2,402	2,329	2,821	14,610
1923	10,690	7,754	41,870	21,040	17,200	5,029	2,908	2,134	2,489	4,246	4,884	18,240	11,540
1924	23,650	6,335	16,110	46,590	27,550	7,487	6,139	3,030	4,367	21,010	4,001	6,196	14,372
1925	3,600	42,760	23,410	17,220	13,090	4,436	6,850	5,852	5,555	7,076	21,570	18,530	14,162
1926	11,030	17,380	32,950	37,850	8,879	4,755	2,623	6,863	7,270	16,560	38,540	9,884	16,215
1927	13,620	24,310	49,610	17,990	28,470	9,109	3,675	3,729	4,692	27,320	34,140	41,170	21,486
1928	15,980	19,430	23,570	35,390	26,120	25,300	22,670	8,542	3,481	2,541	3,878	7,904	16,234
1929	5,729	6,196	43,640	57,570	34,080	6,229	3,345	2,015	1,802	7,475	11,290	15,510	16,240
1930	23,530	14,160	32,470	21,570	10,890	10,450	4,406	1,318	2,093	1,186	1,169	2,215	10,455
1931	1,853	4,309	22,200	34,740	25,440	8,604	7,905	3,169	2,181	1,501	2,730	10,830	10,455
1932	23,410	22,480	14,430	45,700	19,010	4,794	4,662	2,627	1,279	12,850	26,930	7,636	15,484
1933	10,230	7,600	29,370	38,910	13,080	5,651	3,423	14,990	18,410	6,982	8,904	12,650	14,183
1934	19,520	4,192	21,120	37,360	7,989	5,057	2,447	1,979	8,769	6,301	11,070	18,820	12,052

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Table 2.3-8 {Monthly Streamflow for Wilkes-Barre, PA USGS Station No. 01536500, (1899 through 2006)}

Discharge, cubic feet per second													
Year	Monthly mean in cfs (Calculation Period: 4/01/1905 - 9/30/2006)												Average Yearly
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
1935	22,380	9,110	35,520	33,970	21,640	5,199	22,850	5,455	2,698	2,206	25,460	17,460	16,996
1936	11,610	6,014	91,900	30,280	9,428	4,058	1,738	2,352	1,768	3,523	14,260	14,800	15,978
1937	36,760	17,490	16,090	41,430	19,630	9,863	5,218	7,180	5,984	14,650	17,010	15,760	17,255
1938	13,430	25,760	26,470	20,810	9,120	5,055	5,117	5,448	13,280	5,505	8,292	27,460	13,812
1939	9,322	34,870	36,540	32,930	7,258	2,803	1,605	1,662	911.5	2,139	5,257	7,104	11,867
1940	3,911	4,176	20,620	97,110	18,020	10,990	6,578	2,343	6,115	3,741	10,950	18,200	16,896
1941	14,990	7,337	16,390	43,570	5,643	4,415	2,465	3,132	1,457	1,127	2,712	8,076	9,276
1942	7,613	8,429	41,600	24,080	20,540	10,580	4,605	6,132	4,972	13,660	20,190	23,630	15,503
1943	33,560	22,900	40,340	29,810	44,980	14,600	3,654	2,941	2,011	8,207	23,310	6,597	19,409
1944	3,754	7,272	30,950	32,900	24,280	11,170	4,149	1,845	2,161	3,931	5,461	11,790	11,639
1945	11,520	14,770	66,550	19,050	32,990	15,570	10,140	7,149	12,030	19,910	27,540	18,900	21,343
1946	20,490	7,163	38,140	7,664	37,300	25,600	7,933	7,651	3,090	8,306	5,702	4,394	14,453
1947	18,590	13,560	24,790	43,390	41,620	20,500	18,230	8,488	4,690	1,941	8,676	6,634	17,592
1948	4,121	14,370	54,340	37,420	24,970	10,650	6,838	4,418	1,623	1,734	8,543	11,810	15,070
1949	35,400	21,690	18,290	22,480	15,480	4,502	1,971	2,173	3,479	3,987	6,451	16,140	12,670
1950	24,950	15,360	36,690	45,660	16,260	13,770	4,992	4,979	11,580	6,291	21,130	35,330	19,749
1951	27,270	35,210	31,730	36,270	7,972	6,465	8,685	3,544	2,209	2,206	12,090	19,780	16,119
1952	34,060	19,190	35,650	34,000	23,940	7,858	7,143	3,423	4,159	1,829	7,034	23,580	16,822
1953	23,490	21,100	29,130	26,670	24,500	8,629	2,608	1,589	1,653	1,477	3,817	12,460	13,094
1954	7,151	23,560	24,230	25,310	25,180	9,309	2,410	1,380	2,335	1,642	11,060	17,820	12,616
1955	15,950	13,270	44,810	17,850	7,356	4,393	1,708	8,922	3,071	30,330	29,280	9,984	15,577
1956	7,694	16,860	45,600	56,540	20,630	9,339	7,264	3,276	7,350	6,066	8,861	24,810	17,858
1957	15,940	12,210	23,660	41,090	15,530	5,294	3,321	2,268	1,836	2,209	4,507	18,600	12,205
1958	13,370	7,872	29,950	75,350	28,060	12,570	7,421	3,451	4,858	7,035	13,690	8,810	17,703
1959	18,280	16,340	25,170	36,320	11,630	3,675	2,289	1,514	2,188	9,127	25,600	35,820	15,663
1960	20,550	23,580	12,950	61,820	24,610	23,230	5,934	4,531	12,430	4,796	5,715	3,983	17,011
1961	3,274	25,900	37,090	47,330	23,860	12,710	5,200	5,043	3,096	1,546	3,461	5,740	14,521
1962	13,180	6,175	28,160	46,910	10,470	2,923	1,359	1,675	1,339	8,947	14,020	9,736	12,075
1963	8,029	6,514	43,000	26,730	14,650	6,684	2,889	1,934	1,241	984.3	2,717	9,145	10,376
1964	20,300	10,970	61,210	29,170	14,840	3,420	1,745	1,091	740.3	867.7	852.4	2,786	12,333

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Table 2.3-8 {Monthly Streamflow for Wilkes-Barre, PA USGS Station No. 01536500, (1899 through 2006)}

Discharge, cubic feet per second													
Year	Monthly mean in cfs (Calculation Period: 4/01/1905 - 9/30/2006)												Average Yearly
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
1965	5,624	17,150	11,740	24,410	11,850	4,189	1,308	1,625	2,080	4,580	6,735	9,639	8,411
1966	8,595	20,440	39,060	17,930	22,370	8,552	2,165	1,613	1,574	2,083	3,854	11,340	11,631
1967	10,160	12,080	27,270	29,710	25,990	7,602	5,666	8,076	4,438	9,505	23,460	20,470	15,369
1968	7,423	15,990	28,220	15,440	20,160	23,070	8,742	2,452	6,052	3,334	23,610	16,750	14,270
1969	10,890	11,890	14,670	31,140	14,180	10,920	5,906	6,460	1,892	1,787	14,840	15,540	11,676
1970	7,226	26,450	19,530	55,460	15,920	5,449	4,482	2,666	2,633	6,641	16,550	12,700	14,642
1971	9,125	23,530	42,660	35,140	20,990	4,894	2,298	4,425	2,944	2,684	4,070	23,410	14,681
1972	18,110	7,645	46,580	41,550	33,120	62,370	17,240	4,701	2,416	2,947	31,840	42,700	25,935
1973	22,360	20,490	28,310	34,380	23,570	12,670	9,428	4,203	4,500	3,078	5,471	37,380	17,153
1974	26,780	20,990	26,140	40,960	16,070	6,803	7,448	3,229	8,007	4,983	12,400	23,030	16,403
1975	23,040	31,680	28,960	20,670	22,150	13,790	5,816	3,435	30,900	29,060	16,280	15,570	20,113
1976	18,760	46,420	32,500	20,480	19,450	14,540	11,430	10,040	5,698	35,080	15,240	11,090	20,061
1977	5,187	11,250	57,620	34,250	14,000	4,443	4,050	4,237	25,450	43,890	30,970	37,730	22,756
1978	37,030	13,910	44,050	43,570	21,820	8,738	3,502	5,632	3,754	5,335	5,659	11,440	17,037
1979	40,070	15,070	55,340	27,040	17,820	8,873	3,034	2,615	5,315	10,040	17,240	15,760	18,185
1980	8,755	4,010	32,190	40,040	13,140	3,984	4,474	2,226	1,417	1,796	4,388	7,380	10,317
1981	2,729	43,290	13,240	12,120	16,410	9,403	4,523	2,874	3,893	13,080	17,500	12,120	12,599
1982	11,490	18,030	33,400	33,170	8,892	23,790	8,542	3,128	1,816	1,783	4,192	8,903	13,095
1983	8,560	19,620	20,320	56,670	34,060	10,080	4,799	2,358	1,588	1,799	6,226	39,040	17,093
1984	6,461	38,810	18,270	55,060	34,360	18,060	12,910	8,550	3,356	2,417	5,029	22,070	18,779
1985	11,380	10,600	23,500	16,570	7,275	5,319	3,657	2,811	5,619	7,923	19,850	20,260	11,230
1986	12,640	21,340	46,380	24,880	12,940	14,110	6,766	10,080	3,082	7,225	24,780	24,530	17,396
1987	10,160	5,771	28,000	40,150	7,786	5,250	7,155	2,550	13,140	7,070	10,590	16,850	12,873
1988	8,529	18,380	21,940	15,350	23,100	5,380	3,434	2,732	4,601	3,266	14,130	6,839	10,640
1989	6,531	8,508	14,050	28,440	44,090	27,710	8,753	3,365	3,641	11,060	16,660	6,548	14,946
1990	16,500	40,980	20,070	25,260	25,800	8,817	7,579	5,668	4,079	26,710	25,310	32,050	19,902
1991	24,930	22,320	30,730	24,190	13,420	3,435	1,729	1,715	1,480	2,220	6,080	13,280	12,127
1992	13,760	9,441	27,960	30,280	16,710	12,410	7,591	10,980	8,582	10,860	25,470	18,250	16,025
1993	26,550	6,229	21,870	106,900	16,290	4,904	2,365	2,081	2,733	3,898	18,800	24,950	19,798
1994	8,276	20,330	48,400	68,430	14,580	12,630	11,290	21,810	8,567	6,622	12,100	21,680	21,226

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Table 2.3-8 {Monthly Streamflow for Wilkes-Barre, PA USGS Station No. 01536500, (1899 through 2006)}

Discharge, cubic feet per second													
Year	Monthly mean in cfs (Calculation Period: 4/01/1905 - 9/30/2006)												Average Yearly
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
1995	22,830	9,418	23,150	16,080	7,515	4,984	2,527	1,937	1,605	10,850	18,460	12,560	10,993
1996	44,410	21,470	25,310	36,640	40,940	9,710	10,710	5,867	5,504	14,980	31,230	49,410	24,682
1997	14,240	15,160	29,850	21,720	16,010	7,591	2,972	2,166	2,306	2,072	7,568	11,440	11,091
1998	39,690	24,400	44,160	36,060	22,520	13,560	14,090	2,745	2,003	2,797	2,327	3,303	17,305
1999	21,190	19,580	24,940	26,100	7,587	2,427	1,961	1,087	6,046	6,697	6,917	14,520	11,588
2000	14,310	21,490	40,550	45,100	32,860	21,720	7,803	7,372	4,247	7,028	5,771	15,200	18,621
2001	6,745	15,660	22,020	46,520	6,408	10,530	4,397	2,154	3,849	2,856	2,552	10,170	11,155
2002	6,552	23,180	20,410	20,610	34,040	23,660	4,578	1,795	2,543	13,030	17,810	20,840	15,754
2003	18,500	12,350	48,140	33,290	14,250	32,960	11,420	13,990	17,460	18,550	28,830	37,990	23,978
2004	19,150	7,373	34,870	27,970	23,720	10,630	13,780	19,720	40,630	12,380	14,500	35,800	21,710
2005	36,310	21,020	26,950	54,720	8,578	4,813	3,675	1,591	2,374	18,200	21,280	25,800	18,776
2006	40,330	24,280	14,620	15,360	10,930	36,060	28,330	8,739	14,520				
Mean of Monthly Discharge	16,500	16,900	32,500	35,000	19,300	11,100	6,590	4,830	5,580	8,000	13,000	16,500	15,483

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Table 2.3-9 {Mean Daily Streamflow for Danville, PA USGS Station No. 01540500, (1905 through 2006)}

Discharge, cubic feet per second												
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	17,600	14,900	24,000	44,800	23,200	13,400	9,900	5,270	4,540	7,300	10,100	17,700
2	17,900	14,500	23,900	44,700	22,600	13,100	9,740	5,300	4,610	7,320	9,860	17,700
3	18,100	14,600	23,800	44,800	21,700	12,800	9,220	5,180	5,070	6,860	9,800	18,200
4	17,800	15,700	24,100	44,600	20,900	12,900	8,560	5,100	5,580	6,400	10,300	17,900
5	17,000	15,000	25,000	44,100	20,500	13,100	7,830	5,240	5,570	6,140	10,100	17,900
6	16,900	13,800	26,700	45,300	19,700	12,200	7,380	5,120	4,910	5,800	10,200	17,400
7	17,100	12,900	28,300	46,200	19,800	12,600	6,910	4,990	4,790	6,040	10,400	17,300
8	17,800	12,400	28,800	44,500	20,300	12,300	6,670	4,810	4,310	6,370	10,200	17,100
9	18,400	12,000	28,100	41,700	20,300	11,500	6,910	4,580	3,990	6,260	11,800	17,100
10	17,800	11,700	28,300	39,400	20,100	10,700	8,840	4,850	3,950	6,800	13,400	17,100
11	16,400	12,900	27,800	38,100	20,600	9,860	8,400	4,870	4,230	6,840	13,500	17,700
12	15,200	14,800	27,900	36,600	21,700	9,620	7,060	4,800	4,100	6,420	13,000	18,200
13	15,000	14,800	29,100	35,200	22,300	9,710	6,270	4,610	4,590	6,060	12,200	18,000
14	14,700	14,300	30,000	34,600	22,800	9,890	6,270	4,680	4,780	6,190	12,200	18,200
15	14,600	15,400	32,000	35,100	21,600	10,000	6,180	4,530	4,650	6,210	12,900	18,800
16	14,400	17,500	34,000	35,600	20,200	10,700	5,860	4,950	4,540	6,990	13,000	18,100
17	14,000	17,600	34,700	35,400	19,000	10,600	5,600	4,770	5,090	7,590	13,900	17,000
18	13,500	17,500	36,300	33,900	17,900	10,800	5,290	4,550	5,700	7,760	14,400	15,900
19	13,900	17,200	36,100	31,100	17,600	11,100	5,180	5,470	7,020	8,350	14,400	15,500
20	15,100	17,000	34,000	29,100	17,100	9,990	5,090	5,200	6,600	9,450	14,900	15,100
21	15,700	18,500	33,000	28,300	17,300	9,620	4,990	4,610	6,080	10,300	14,800	14,700
22	16,700	19,900	33,700	28,400	18,200	10,700	5,100	4,430	5,810	10,200	14,500	14,800
23	17,400	20,400	35,600	28,300	18,800	12,200	5,540	4,700	5,970	9,660	14,100	14,600
24	17,200	21,000	35,600	27,300	17,800	12,500	5,810	5,020	5,880	9,490	13,600	14,500
25	18,000	22,700	34,900	26,800	17,500	12,100	6,070	5,300	6,160	9,730	13,500	15,200
26	19,000	24,800	35,900	27,400	17,400	10,200	6,060	4,940	7,440	9,820	14,000	15,300
27	19,400	25,200	37,400	26,100	16,700	8,980	5,540	4,400	8,430	10,200	14,400	15,100
28	18,600	24,200	41,300	24,700	16,200	10,100	5,410	4,240	8,710	10,000	15,600	14,600
29	17,100	19,900	45,200	23,700	16,500	10,500	5,840	4,560	7,280	10,100	17,500	14,000
30	15,900		45,700	23,200	16,500	10,300	5,520	4,260	6,930	10,700	17,800	14,700
31	14,900		44,900		14,700		5,230	4,360		10,700		16,200

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Table 2.3-10 {Maximum Daily Streamflow for Danville, PA USGS Station No. 01540500, (1905 through 2006)}

Discharge, cubic feet per second												
Day	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**	**Oct**	**Nov**	**Dec**
1	201,000	82,200	124,000	205,000	91,900	76,600	147,000	44,400	40,000	129,000	94,200	93,600
2	161,000	77,600	144,000	219,000	126,000	75,500	117,000	44,800	27,800	126,000	72,500	92,400
3	102,000	54,300	160,000	187,000	116,000	75,800	82,200	31,400	38,400	96,500	52,700	116,000
4	106,000	83,000	154,000	199,000	86,300	84,400	50,600	24,400	47,300	60,800	59,200	120,000
5	74,300	70,600	127,000	188,000	76,900	66,100	44,100	55,000	50,200	41,100	56,000	125,000
6	61,600	59,000	128,000	168,000	64,500	49,200	45,800	58,500	42,200	33,100	50,800	115,000
7	85,000	54,400	182,000	191,000	68,100	72,500	36,900	66,500	39,700	41,200	52,800	82,500
8	81,300	43,900	166,000	160,000	82,800	69,000	35,000	49,900	37,400	57,200	52,900	91,100
9	115,000	43,800	163,000	161,000	95,400	57,700	51,300	35,100	24,400	48,400	62,500	85,400
10	138,000	40,600	158,000	146,000	73,400	46,800	138,000	39,100	26,200	93,600	113,000	77,900
11	117,000	78,700	203,000	140,000	90,900	40,800	134,000	47,600	63,300	106,000	113,000	94,100
12	98,400	147,000	185,000	177,000	98,000	40,800	80,600	43,500	43,200	76,200	85,400	99,900
13	80,300	159,000	186,000	154,000	114,000	45,000	45,800	31,100	35,400	50,900	72,500	98,100
14	73,400	131,000	179,000	110,000	112,000	49,200	41,300	27,800	38,400	37,500	55,400	131,000
15	142,000	93,900	125,000	106,000	99,000	42,500	39,600	30,300	33,800	43,600	73,400	189,000
16	126,000	159,000	170,000	112,000	75,500	54,500	33,000	40,800	31,800	123,000	77,400	154,000
17	85,600	149,000	148,000	144,000	76,700	60,200	25,200	30,800	69,400	164,000	128,000	102,000
18	63,500	114,000	190,000	119,000	76,300	69,300	21,800	27,500	74,600	117,000	134,000	68,600
19	98,000	117,000	241,000	113,000	56,800	82,900	25,300	78,500	205,000	106,000	112,000	57,600
20	155,000	116,000	245,000	85,200	63,700	47,600	25,700	82,100	179,000	131,000	93,000	64,600
21	205,000	107,000	210,000	84,100	73,200	40,800	19,100	56,900	93,500	152,000	73,500	51,000
22	155,000	133,000	157,000	131,000	72,400	91,200	21,800	47,900	61,000	110,000	69,600	84,400
23	103,000	101,000	160,000	158,000	87,900	262,000	24,100	45,800	54,200	72,100	55,800	78,700
24	101,000	89,400	181,000	121,000	98,000	328,000	38,800	53,000	67,800	69,500	51,000	69,600
25	100,000	112,000	135,000	92,300	82,800	335,000	39,200	114,000	62,400	116,000	46,100	88,400
26	110,000	154,000	138,000	119,000	105,000	188,000	50,100	88,500	112,000	99,300	80,700	85,100
27	91,600	166,000	118,000	135,000	90,800	96,300	26,600	53,600	217,000	82,500	114,000	64,200
28	112,000	152,000	187,000	109,000	131,000	206,000	30,900	34,600	236,000	70,400	94,800	90,200
29	90,900	127,000	216,000	82,600	226,000	234,000	76,500	47,200	124,000	59,000	105,000	97,400
30	67,300		212,000	75,600	200,000	180,000	66,500	26,000	65,300	76,800	124,000	78,800
31	61,400		162,000		105,000		50,500	40,000		109,000		175,000

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Table 2.3-11 {Minimum Daily Streamflow for Danville, PA USGS Station No. 01540500, (1905 through 2006)}

Discharge, cubic feet per second												
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	1,300	1,850	2,400	7,730	6,370	3,250	1,760	974	880	980	842	1,310
2	1,300	1,800	2,600	8,630	6,940	3,420	1,720	924	860	916	842	1,220
3	1,500	1,800	3,000	8,810	6,750	3,170	1,660	940	860	931	813	1,240
4	1,500	1,800	3,400	8,460	6,180	3,000	1,600	920	840	978	784	1,400
5	1,280	1,750	4,000	8,010	5,800	2,920	1,560	894	840	978	755	1,450
6	1,430	1,700	3,600	7,660	5,250	3,000	1,480	888	857	886	755	1,420
7	1,700	1,700	3,440	7,570	5,250	2,900	1,420	921	857	857	742	1,500
8	1,920	1,700	3,530	8,100	5,440	2,790	1,380	974	813	842	742	1,420
9	1,850	1,750	3,600	8,540	6,030	2,720	1,280	940	770	857	755	1,250
10	1,800	1,700	3,600	8,440	5,920	2,600	1,230	876	755	842	742	1,100
11	1,810	1,600	4,360	8,130	6,110	2,500	1,270	880	770	799	742	1,350
12	1,850	1,550	4,260	7,730	5,760	2,400	1,210	860	755	813	755	1,300
13	1,550	1,650	4,050	7,530	5,540	2,300	1,250	860	715	813	742	1,300
14	1,600	1,800	3,800	6,970	5,260	2,200	1,190	1,140	674	799	742	1,650
15	1,700	1,900	3,680	6,930	4,820	2,200	1,270	1,090	661	799	742	1,700
16	1,700	2,100	3,680	7,140	4,700	2,100	1,100	1,020	647	799	742	1,600
17	1,750	2,700	3,710	6,750	4,540	2,100	1,040	1,020	634	828	728	1,530
18	1,800	3,200	3,770	6,560	4,470	2,300	1,180	1,000	634	857	728	1,700
19	1,900	3,000	4,190	7,140	4,380	2,400	1,150	1,000	647	891	755	1,500
20	2,100	3,000	5,480	7,340	4,200	2,300	1,170	1,020	634	889	799	1,400
21	1,900	2,900	7,220	6,750	4,000	2,000	1,150	1,020	595	871	813	1,600
22	1,800	2,800	7,350	6,180	3,980	1,900	1,130	993	595	871	828	1,600
23	1,750	2,600	7,150	5,990	3,820	1,800	1,090	1,010	595	871	784	1,430
24	1,700	2,600	6,800	5,990	3,940	1,800	1,090	1,020	558	869	799	1,250
25	1,700	2,600	6,960	5,800	3,790	1,700	1,140	1,040	558	842	842	1,700
26	1,800	2,400	6,720	5,620	3,640	1,700	1,120	993	595	850	1,100	1,700
27	1,950	2,300	6,530	5,620	3,700	1,600	1,060	993	558	839	1,200	1,700
28	2,100	2,300	6,940	5,620	3,610	1,500	1,010	978	595	857	1,180	1,500
29	2,100	2,600	6,790	5,620	3,610	1,600	978	947	770	842	1,150	1,700
30	2,050		6,980	5,800	3,390	1,760	947	947	952	871	1,290	1,500
31	1,900		7,610		3,170		900	900		846		1,300

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Table 2.3-12 Susquehanna River Basin Upstream Dam Information

NAME	TIOGA[2] (PA)	HAMMOND[2] (PA)	STILLWATER[2] (PA)	AYLESWORTH CREEK[2] (PA)	COWANESQUE[2] (PA)	EAST SIDNEY[3] (NY)	WHITNEY POINT[3] (NY)	ALMOND[3] (NY)
OWNER	**CENAB**	**CENAB**	**CENAB**	**CENAB**	**CENAB**	**CORPS OF ENGINEERS - BALTIMORE DISTRICT**	**CENAB**	**CORPS OF ENGINEERS - BALTIMORE DISTRICT**
PURPOSE	**FLOOD CONTROL / RECREATION**	**FLOOD CONTROL / RECREATION**	**FLOOD CONTROL / WATER SUPPLY**	**FLOOD CONTROL / RECREATION/ LOW-FLOW AUGMENTATION**	**FLOOD CONTROL / RECREATION / WATER SUPPLY**	**FLOOD CONTROL / RECREATION**	**FLOOD CONTROL / RECREATION**	**FLOOD CONTROL / RECREATION**
STATUS (DATE)	**COMPLETE (1980)**	**COMPLETE (1980)**	**COMPLETE (1960)**	**COMPLETE (1971)**	**COMPLETE (1980)**	**COMPLETE (1950)**	**COMPLETE (1942)**	**COMPLETE (1949)**
Stream	Tioga River	Crooked Creek	Lackawanna River	Aylesworth Creek	Cowanesque River	Ouleout Creek	Otselic River	Canacadea Creek
River Mile[1]	350	350	234	-	341	405	331	373
Drainage Area (sq. mi.)	280	122	37.1	6.2	298	103	257	55.8
Structure Type	Earth Fill	Earth Fill	Earth Fill	Earth Fill	Rolled Earth / Rock Fill	Concrete Dam / Rock Fill Dike	Earth Fill	Earth Fill
Dam Crest Length[1] (ft)	2,600	3,830	1,700	-	2,930	750 (concrete) 1,140 (earth)	1,300	1,260
Height of Dam[1] (ft)	140	122	77	-	154	130	95	90
Design Freeboard[1] (ft)	5.2	5.3	4.9	-	5.7	6.0	8.7	5.5
Spillway Crest Length[1] (ft)	-	300	264	-	400	240	220	285
Design Discharge[1] (cfs)	-	215,500	37,780	-	224,000	81,000	75,000	54,000
Elevations (ft MSL)								
Gate Sill	-	-	-	-	-	1,115.0	950.0	1,229.0
Conservation Pool	-	-	-	786.0	-	-	-	-
Recreation Pool	1,081.0	1,086.0	-	-	1,080.0	-	-	-
Flood Control Pool	1,131.0	1,131.0	1,621.0	-	1,117.0	1,203.0	1,010.0	1,300.0
Maximum Pool	-	-	-	-	-	-	-	-
Top of Dam[1]	1,171.0	1,168.5	-	-	1,154.0	1,228.5	1,039.5	1,320.0
Storage Volumes (Acre-ft)								
Conservation Pool	-	-	-	514,000	-	-	-	-
Recreation Pool	9,500	8,850	-	-	32,600	-	-	-
Flood Control Pool	62,000	63,000	12,000	762,000	89,110	33,606	86,468	14,800

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Table 2.3-12 Susquehanna River Basin Upstream Dam Information

NAME	TIOGA[2] (PA)	HAMMOND[2] (PA)	STILLWATER[2] (PA)	AYLESWORTH CREEK[2] (PA)	COWANESQUE[2] (PA)	EAST SIDNEY[3] (NY)	WHITNEY POINT[3] (NY)	ALMOND[3] (NY)
OWNER	**CENAB**	**CENAB**	**CENAB**	**CENAB**	**CENAB**	**CORPS OF ENGINEERS - BALTIMORE DISTRICT**	**CENAB**	**CORPS OF ENGINEERS - BALTIMORE DISTRICT**
PURPOSE	**FLOOD CONTROL / RECREATION**	**FLOOD CONTROL / RECREATION**	**FLOOD CONTROL / WATER SUPPLY**	**FLOOD CONTROL / RECREATION/ LOW-FLOW AUGMENTATION**	**FLOOD CONTROL / RECREATION / WATER SUPPLY**	**FLOOD CONTROL / RECREATION**	**FLOOD CONTROL / RECREATION**	**FLOOD CONTROL / RECREATION**
STATUS (DATE)	**COMPLETE (1980)**	**COMPLETE (1980)**	**COMPLETE (1960)**	**COMPLETE (1971)**	**COMPLETE (1980)**	**COMPLETE (1950)**	**COMPLETE (1942)**	**COMPLETE (1949)**
Reservoir Areas (Acres)								
Recreation Pool	-	-	-	-	-	-	-	-
Flood Control Pool	-	-	-	-	-	-	-	-

Sources: USGS, 2002; USGS, 2008c through 2008g; PPL, 1999a.
[1]Dam information obtained from PPL, 1999a.
[2]Dam information obtained from USGS, 2008c through 2008g (with the exception of items marked with 1).
[3]Dam information obtained from USGS, 2002 (with the exception of items marked with 1).
Note: Dam information for Genegantslet Lake, South Side and Plymouth Reservoir Dams is not available.

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Table 2.3-13 Physical Characteristics of Groundwater Wells in the North Branch Susquehanna River Basin, Pennsylvania

Geologic Unit	Well Type (1)	Well Depth (ft)				Casing Length (ft)				Depth to Water (ft)			
		No. of Wells	Percentile (2)			No. of Wells	Percentile (2)			No. of Wells	Percentile (2)		
			25th	50th	75th		25th	50th	75th		25th	50th	75th
Alluvium, Glacial Overburden	D	56	42	56	88	54	44	57	90	45	10	18	24
	N	71	35	68	97	43	28	51	83	37	8	17	30
Catskill Formation	D	950	145	198	275	918	30	42	80	737	7	55	101
	N	247	194	293	438	182	37	62	100	155	25	60	120
Trimmers Rock Formation	D	84	117	199	255	78	20	22	40	58	20	31	58
	N	11	197	300	395	8	-	60	-	7	-	35	-
Mahantango and Marcellus Formations (Hamilton Group)	D	124	75	120	155	106	21	30	45	95	15	23	36
	N	29	150	300	500	24	25	39	46	20	7	16	30
Onondaga and Old Port Formations	D	6	-	147	-	5	-	22	-	5	-	30	-
	N	11	90	218	420	11	35	47	77	11	15	25	34
Keyser and Tonoloway Formations	D	17	75	150	185	17	35	45	95	13	10	35	71
	N	9	-	205	-	8	-	55	-	9	-	19	-

Notes:
(1) D = Domestic,
(2) N = Nondomestic Percent of wells that have values less than or equal to the value shown
Reference: Taylor, 1984

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Table 2.3-14 Yields and Specific Capacities of Wells in the North Branch Susquehanna River Basin, Pennsylvania

Geologic Unit	Well Type (1)	Reported Well Yield (gpm)				Specific Capacity (gpm/ft)			
		No. of Wells	Percentile (2)			No. of Wells	Percentile (2)		
			25th	50th	75th		25th	50th	75th
Alluvium, Glacial Overburden	D	56	12	18	22	10	0.34	0.8	2
	N	60	50	164	500	20	7	20	43
Catskill Formation	D	931	7	12	20	352	0.16	0.5	1.0
	N	215	17	35	85	82	0.3	0.7	1.9
Trimmers Rock Formation	D	79	3	6	10	18	0.03	0.06	0.17
	N	11	10	15	30	5	-	0.10	-
Mahantango and Marcellus Formations (Hamilton Group)	D	103	6	10	17	53	0.06	0.18	0.69
	N	29	20	65	175	15	0.23	1.1	2.5
Onondaga and Old Port Formations	D	6	-	10	-	4	-	0.16	-
	N	9	-	122	-	6	-	3.5	-
Keyser and Tonoloway Formations	D	16	10	14	28	7	-	0.53	-
	N	7	-	80	-	6	-	2.1	-

Notes:
(1) D = Domestic, N = Nondomestic
(2) Percent of wells that have values less than or equal to the value shown
Reference: Taylor, 1984

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Table 2.3-15 Specific Capacities of Wells in the Berwick-Bloomsburg-Danville Area, Pennsylvania

Geologic Unit	No. of Wells	Median Well Depth (ft) (1)	Specific Capacity (gpm/ft)			
			Percentile (2)			Range
			25th	50th	75th	
Glacial outwash	10	66	3.7	11	19	1.4-84
Catskill Formation	15	165	0.16	0.39	1.2	0.08-3.8
Trimmers Rock Formation	8	200	0.06	0.13	0.37	0.03-0.55
Harrell and Mahantango Formations	16	263	0.06	0.27	0.79	0.03-2.5
Marcellus Formation	15	255	0.07	0.19	0.5	0.03-18
Onondaga and Old Port Formations	13	259	1.2	3.2	9.3	0.47-350
Keyser and Tonoloway Formations	18	205	1.6	4.6	20	0.35-280
Shale	35	268	0.07	0.23	0.5	0.03-18
Sandstone and shale	23	200	0.12	0.22	0.55	0.03-3.8
Sandstone, limestone, and shale	11	250	0.07	0.13	0.8	0.03-1.4
Carbonate rock and shale	28	202	1.5	3.1	5.5	0.23-250
Carbonate rock	18	205	1.6	4.6	20	0.35-280

Notes:
(1) Feet below land surface
(2) Percent of wells that have values less than or equal to the value shown
Reference: Williams, 1987

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Table 2.3-16 Effect of Lithology on Well Yields, Berwick-Bloomsburg - Danville Area, Pennsylvania

Aquifer	Well Type [1]	No. of Wells	Median Well Depth (ft)[2]	Reported Well Yield (gpm)			
				Percentile [3]			Range
				25th	50th	75th	
Sand and gravel	D	4	44	-	20	-	15-50
	N	8	58	-	40	-	18-100
Shale	D	168	122	5	10	15	0.5-50
	N	31	300	8	15	50	1-225
Sandstone and shale	D	163	150	6	8	10	0.5-60
	N	19	300	20	32	64	3-100
Sandstone, limestone and shale	D	31	191	5	10	20	2-50
	N	7	305	-	93	-	10-300
Carbonate rock and shale	D	63	110	6	12	20	2-100
	N	22	224	23	38	49	20-184
Carbonate rock	D	28	165	10	20	30	3-150
	N	14	280	65	160	383	24-900

Notes:
(1) D = Domestic, N = Nondomestic
(2) Feet below land surface
(3) Percent of wells that have values less than or equal to the value shown
Reference: Williams, 1987

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Table 2.3-17 {Computed Water Budget Components for Selected Drainage Basins in the North Branch Susquehanna River Basin, Pennsylvania}

Watershed	Period of Data	Water Budget Components (in/yr)				Source of Data
		Precipitation (P)	Surface Runoff (R_s)	Groundwater Discharge (R_g)	Evapotranspiration (ET)	
Towanda Creek Basin	1961-1980	35.10 (26.21-44.47)	7.82 (1.98-16.44)	10.34 (5.05-16.26)	16.94 (10.71-24.28)	Taylor, 1984
Wapwallopen Creek Basin	1961-1980	43.87 (32.04-64.48)	5.94 (3.69-11.77)	14.20 (6.60-21.81)	23.73 (16.57-41.85)	Taylor, 1984
Tunkhannock Creek Basin	1961-1980	42.69 (34.41-52.74)	7.35 (2.14-11.28)	11.98 (5.65-18.43)	23.36 (16.68-28.03)	Taylor, 1984
East Branch Chillisquaque Creek	1963-1966	33.3	11.4(1)		21.9	Williams, 1987
East Branch Chillisquaque Creek	1972-1975	50.3	27.1(1)		22.8	Williams, 1987
Fishing Creek	1963-1966	33.3	17.4(2)		15.9	Williams, 1987
Fishing Creek	1972-1975	50.3	31.9(2)		18.4	Williams, 1987

Notes:
(1) Number represents total runoff (surface water and groundwater combined). Groundwater is approximately 44% of the total runoff.
(2) Number represents total runoff (surface water and groundwater combined). Groundwater is approximately 63% of the total runoff.

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Table 2.3-18 BBNPP Monitoring Wells and Construction Details

(Page 1 of 2)

Monitoring Well ID	Corresponding Geotechnical Boring	Northing[1] (ft)	Easting[1] (ft)	Ground Surface Elevation[2] (ft msl)	Top of Casing Elevation[2] (ft msl)	Boring Depth (ft bgs)	Well Depth (ft bgs)	Screen Diameter & Slot Size (in)	Screen Interval Depth		Screen Interval Elevation[2]		Filterpack Interval Depth	
									Top (ft bgs)	Bottom (ft bgs)	Top (ft msl)	Bottom (ft msl)	Top (ft bgs)	Bottom (ft bgs)
Glacial Overburden Wells														
MW301A	NA	339097.635	2405396.729	662.48	664.54	36.5	36.5	4.0 / 0.01	21.5	36.5	640.98	625.98	13.0	21.5
MW302A1	NA	339410.169	2406939.741	665.18	667.41	35.2	35.15	4.0 / 0.01	20.0	35.0	645.18	630.18	17.0	35.15
MW302A2	NA	339410.073	2406925.672	665.25	667.42	35.3	35.34	4.0 / 0.01	20.0	35.0	645.25	630.25	11.0	35.34
MW302A3	NA	339410.156	2406899.922	665.34	667.70	35.7	35.71	4.0 / 0.01	20.7	35.7	644.64	629.64	11.0	35.71
MW302A4	NA	339495.305	2406939.417	665.56	667.70	39.0	37.6	4.0 / 0.01	22.5	37.5	643.06	628.06	12.0	39.0
MW303A	NA	341504.719	2405505.308	734.13	736.18	28.0	28.0	4.0 / 0.01	18.0	28.0	716.13	706.13	12.0	28.0
MW304A	NA	340228.157	2408455.377	680.61	682.65	37.0	37.0	4.0 / 0.01	17.0	37.0	663.61	643.61	17.0	37.0
MW305A1	NA	341896.434	2407090.850	715.30	717.35	43.0	43.0	4.0 / 0.01	23.0	43.0	692.30	672.30	18.0	43.0
MW305A2	NA	341888.613	2407096.810	714.64	717.01	83.0	76.0	2.0 / 0.01	56.0	76.0	658.64	638.64	51.0	76.0
MW306A	NA	338899.631	2404351.670	662.46	664.67	38.0	38.0	4.0 / 0.01	23.0	38.0	639.46	624.46	11.0	38.0
MW307A	NA	337632.513	2407085.991	688.60	690.96	37.0	37.0	4.0 / 0.01	22.0	37.0	666.60	651.60	12.0	37.0
MW308A	NA	338355.504	2405979.804	661.38	663.42	33.5	33.5	4.0 / 0.01	13.5	33.5	647.88	627.88	12.0	33.5
MW309A	NA	338707.942	2408989.197	673.33	675.62	20.9	20.9	4.0 / 0.01	10.8	20.8	652.53	662.53	6.0	20.9
MW310A	NA	339453.777	2405156.296	674.48	676.73	21.0	19.2	4.0 / 0.01	9.2	19.2	665.28	655.28	8.0	19.2
Shallow Bedrock Wells														
MW301B1	NA	339098.941	2405384.283	662.40	664.39	162.0	160.0	4.0 / 0.01	130.0	160.0	532.40	502.40	105.0	162.0
MW301B2	B303	339142.987	2405338.529	664.18	666.48	151.0	150.0	1.5 / 0.01	130.0	150.0	534.18	514.18	126.0	151.0
MW301B3	B308	339069.298	2405288.632	662.41	664.61	100.0	100.0	1.5 / 0.01	80.0	100.0	582.14	562.41	75.0	100.0
MW301B4	B310	338987.788	2405444.974	658.46	660.51	102.0	100.0	1.5 / 0.01	80.0	100.0	578.46	558.46	74.0	100.0
MW303B	NA	341504.607	2405493.422	733.53	735.65	97.0	97.0	2.0 / 0.01	77.0	97.0	656.53	636.53	65.0	97.0
MW304B	NA	340245.014	2408443.451	681.27	683.09	181.0	181.0	2.0 / 0.01	161.0	181.0	520.27	500.27	151.0	181.0
MW305B	NA	341880.508	2407108.086	714.10	716.19	140.0	140.0	2.0 / 0.01	120.0	140.0	574.10	594.10	110.0	140.0
MW308B	NA	338356.711	2405969.620	661.00	663.36	79.4	79.4	2.0 / 0.01	59.0	79.0	602.00	582.00	54.4	79.4
MW309B	NA	338708.711	2408999.087	673.16	675.31	160.0	160.0	2.0 / 0.01	140.0	160.0	533.16	513.16	129.0	160.0
MW310B	B326	339454.708	2405176.410	675.31	678.04	90.4	90.0	2.0 / 0.01	70.0	90.0	605.31	585.31	55.0	90.4
MW311B	B325	339328.285	2405252.941	668.90	671.29	100.5	100.0	1.5 / 0.01	80.0	100.0	588.90	568.90	75.0	100.0
MW312B	B315	338820.623	2405297.698	656.90	659.00	100.0	100.0	1.5 / 0.01	85.0	100.0	571.90	556.90	75.0	100.0
MW313B	B323	338927.919	2405815.577	657.68	659.97	100.0	100.0	1.5 / 0.01	80.0	100.0	577.68	557.68	70.0	100.0
MW313C(3)	B322	338922.541	2405754.786	657.24	659.42	200.0	200.0	1.0 / 0.01	110.0	130.0	547.24	527.24	100.0	130.0
MW315B	B338	340738.303	2406234.464	720.08	719.82	70.0	70.0	1.5 / 0.01	50.0	70.0	670.08	650.08	45.0	70.0
MW316B	B340	340298.177	2406433.929	702.37	702.08	80.0	80.0	1.0 / 0.01	60.0	80.0	642.37	622.37	55.0	80.0

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Table 2.3-18 BBNPP Monitoring Wells and Construction Details

(Page 2 of 2)

Monitoring Well ID	Corresponding Geotechnical Boring	Northing(1) (ft)	Easting(1) (ft)	Ground Surface Elevation(2) (ft msl)	Top of Casing Elevation(2) (ft msl)	Boring Depth (ft bgs)	Well Depth (ft bgs)	Screen Diameter & Slot Size (in)	Screen Interval Depth		Screen Interval Elevation(2)		Filterpack Interval Depth	
									Top (ft bgs)	Bottom (ft bgs)	Top (ft msl)	Bottom (ft msl)	Top (ft bgs)	Bottom (ft bgs)
MW317B	B333	339772.487	2406401.475	681.17	683.30	100.0	70.0	1.0 / 0.01	50.0	70.0	631.17	611.17	45.0	70.0
MW318B	B335	340493.179	2405516.324	801.32	803.79	70.0	70.0	1.0 / 0.01	50.0	70.0	751.32	731.32	40.0	70.0
MW319B	B337	340239.458	2405528.135	790.57	793.04	100.0	100.0	1.0 / 0.01	80.0	100.0	710.57	690.57	60.0	100.0
Deep Bedrock Wells														
MW301C	B301	339151.791	2405430.679	666.38	NA	400.0	400.0	1.0 /0.01	400.0	370.0	NA	NA	400.0	375.0
MW302B(4)	NA	339409.882	2406954.167	665.29	667.42	215.0	215.0	2.0 / 0.01	195.0	215.0	470.29	450.29	165.0	215.0
MW303C	NA	341503.537	2405483.363	732.94	734.98	250.0	250.0	2.0 / 0.01	230.0	250.0	502.94	482.94	181.0	250.0
MW304C	NA	340236.492	2408449.592	680.57	682.44	600.0	400.0	2.0 / 0.01	360.0	400.0	320.57	280.57	340.0	400.0
MW306C	NA	338889.031	2404353.483	662.47	664.70	335.0	330.0	2.0 / 0.01	280.0	330.0	382.47	332.47	270.0	330.0
MW307B(4)	NA	337632.749	2407096.694	688.33	690.85	270.0	270.0	2.0 / 0.01	250.0	270.0	438.33	418.33	200.0	270.0
MW310C	B327	339452.089	2405233.062	675.38	678.35	201.0	199.5	2.0 / 0.01	169.5	199.5	505.88	475.88	159.5	199.5
MW311C	B306	339313.213	2405413.688	669.07	671.18	203.0	203.0	1.5 / 0.01	183.0	203.0	466.07	486.07	178.0	203.0

(1) Horizontal Datum NAD83 State Plane feet
(2) Vertical Datum NAVD88 feet
(3) Well MW313C grouped with Shallow Bedrock Wells because well screen is only 130 ft bgs.
(4) Wells MW302B and MW307B were grouped with Deep Bedrock Wells because water-producing zones were not detected in shallow bedrock and, as a result, the wells were installed deeper than originally planned.

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Table 2.3-19 Monthly Groundwater Elevation Measurements, BBNPP

(Page 1 of 2)

Monitoring Well ID	Elevation (ft msl) [1]		Depth to Groundwater (ft btor) [2]									Groundwater Elevation (ft msl) [1]								
	Ground Surface	Reference Point [1]	October 31, 2007	November 29, 2007	December 13, 2007	January 26, 2008	February 25, 2008	March 24, 2008	April 14, 2008	May 20, 2008	June 9, 2008	October 31, 2007	November 29, 2007	December 13, 2007	January 26 , 2008	February 25, 2008	March 24, 2008	April 14, 2008	May 20, 2008	June 9, 2008
Glacial Overburden Wells																				
MW301A	662.48	664.54	8.83	6.88	7.01	6.86	5.78	5.21	6.46	7.16	7.68	655.71	657.66	657.53	657.68	658.76	659.33	658.08	657.38	656.86
MW302A1	665.18	667.41	9.03	6.67	6.60	5.84	4.46	3.56	5.32	6.54	7.29	658.38	660.74	660.81	661.57	662.95	663.85	662.09	660.87	660.12
MW302A2	665.25	667.42	9.04	6.67	6.60	5.84	4.47	3.58	5.32	6.57	7.30	658.38	660.75	660.82	661.58	662.95	663.84	662.10	660.85	660.12
MW302A3	665.34	667.70	9.33	6.97	6.90	6.17	4.79	3.91	5.67	6.90	7.63	658.37	660.73	660.80	661.53	662.91	663.79	662.03	660.80	660.07
MW302A4	665.56	667.70	9.33	6.95	6.90	6.13	4.73	3.84	5.99	6.84	7.57	658.37	660.75	660.80	661.57	662.97	663.86	661.71	660.86	660.13
MW303A	734.13	736.18	22.85	21.56	22.00	21.86	20.22	19.07	21.36	21.25	21.77	713.33	714.62	714.18	714.32	715.96	717.11	714.82	714.93	714.41
MW304A	680.61	682.65	13.91	12.33	12.06	11.6	10.92	10.49	11.24	11.73	12.57	668.74	670.32	670.59	671.05	671.73	672.16	671.41	670.92	670.08
MW305A1	715.30	717.35	12.65	11.41	11.24	10.49	8.92	9.34	10.39	10.60	11.39	704.70	705.94	706.11	706.86	708.43	708.01	706.96	706.75	705.96
MW305A2	714.64	717.01	12.38	11.25	11.11	10.57	9.36	9.78	10.60	10.81	11.53	704.63	705.76	705.90	706.44	707.65	707.23	706.41	706.20	705.48
MW306A	662.46	664.67	9.58	8.01	8.45	8.74	7.82	7.60	8.75	9.00	9.57	655.09	656.66	656.22	655.93	656.85	657.07	655.92	655.67	655.10
MW307A	688.60	690.96	6.21	4.86	4.95	6.31	5.41	5.14	5.13	4.46	6.74	684.75	686.10	686.01	684.65	685.55	685.82	685.83	686.50	684.22
MW308A	661.38	663.42	8.07	6.63	6.90	7.21	6.49	6.40	7.02	7.11	7.79	655.35	656.79	656.52	656.21	656.93	657.02	656.40	656.31	655.63
MW309A	673.33	675.62	8.39	5.78	6.00	6.37	5.05	5.05	6.37	6.61	8.43	667.23	669.84	669.62	669.25	670.57	670.57	669.25	669.01	667.19
MW310A	674.48	676.73	19.33	17.22	17.55	17.48	16.09	15.64	17.36	18.36	18.83	657.40	659.51	659.18	659.25	660.64	661.09	659.37	658.37	657.90
Shallow Bedrock Wells																				
MW301B1	662.40	664.39	6.92	4.62	4.95	5.02	3.96	3.77	5.10	5.46	6.03	657.47	659.77	659.44	659.37	660.43	660.62	659.29	658.93	658.36
MW301B2	664.18	666.48	10.35	8.77	8.90	5.79	7.72	7.20	8.56	9.10	9.62	656.13	657.71	657.58	660.69	658.76	659.28	657.92	657.38	656.86
MW301B3	662.41	664.61	10.41	7.21	7.38	7.39	6.39	5.97	7.16	7.57	8.09	654.20	657.40	657.23	657.22	658.22	658.64	657.45	657.04	656.52
MW301B4	658.46	660.51	10.81	2.67	2.92	2.71	1.35	1.53	2.69	3.14	3.75	649.70	657.84	657.59	657.80	659.16	658.98	657.82	657.37	656.76
MW303B	733.53	735.65	18.50	15.48	17.10	18.01	15.54	15.38	17.76	16.98	18.84	717.15	720.17	718.55	717.64	720.11	720.27	717.89	718.67	716.81
MW304B	681.27	683.09	14.48	13.02	12.85	12.49	12.14	11.53	12.16	12.60	13.43	668.61	670.07	670.24	670.60	670.95	671.56	670.93	670.49	669.66
MW305B	714.10	716.19	11.57	10.51	10.37	9.84	8.65	9.10	9.89	10.07	10.79	704.62	705.68	705.82	706.35	707.54	707.09	706.30	706.12	705.40
MW308B	661.00	663.36	68.50	66.45	65.57	62.88	69.23	74.67	73.40	75.98	74.85	594.86	596.91	597.79	600.48	594.13	588.69	589.96	587.38	588.51
MW309B	673.16	675.31	9.75	7.84	8.15	8.70	8.16	7.98	8.74	9.21	10.33	665.56	667.47	667.16	666.61	667.15	667.33	666.57	666.10	664.98
MW310B	675.31	678.04	16.35	13.81	14.01	13.23	11.71	11.80	13.33	13.68	14.29	661.69	664.23	664.03	664.81	666.33	666.24	664.71	664.36	663.75
MW311B	668.90	671.29	14.34	11.71	11.98	11.82	10.54	10.12	11.73	12.61	13.13	656.95	659.58	659.31	659.47	660.75	661.17	659.56	658.68	658.16
MW312B	656.90	659.00	8.88	2.40	2.53	2.01	1.30	0.80	2.30	2.61	3.17	650.12	656.60	656.47	656.99	657.70	658.20	656.70	656.39	655.83
MW313B	657.68	659.97	4.15	2.20	2.34	1.73	0.65	0.00	1.98	2.36	3.10	655.82	657.77	657.63	658.24	659.32	659.97	657.99	657.61	656.87

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Table 2.3-19 Monthly Groundwater Elevation Measurements, BBNPP

(Page 2 of 2)

Monitoring Well ID	Elevation (ft msl) [1]		Depth to Groundwater (ft btor) [2]									Groundwater Elevation (ft msl) [1]								
	Ground Surface	Reference Point [1]	October 31, 2007	November 29, 2007	December 13, 2007	January 26, 2008	February 25, 2008	March 24, 2008	April 14, 2008	May 20, 2008	June 9, 2008	October 31, 2007	November 29, 2007	December 13, 2007	January 26 , 2008	February 25, 2008	March 24, 2008	April 14, 2008	May 20, 2008	June 9, 2008
MW313C	657.24	659.42	NA	1.55	0.65	1.18	1.66	1.41	1.58	1.98	2.66	NA	657.87	658.77	658.24	657.76	658.01	657.84	657.44	656.76
MW315B	720.09	719.82	NA	2.15	2.17	1.15	0.55	0.03	1.77	2.07	2.73	NA	717.67	717.65	718.67	719.27	719.79	718.05	717.75	717.09
MW316B	702.37	702.08	NA	9.84	9.98	8.54	7.36	8.30	8.96	7.81	8.87	NA	692.24	692.10	693.54	694.72	693.78	693.12	694.27	693.21
MW317B	681.17	683.30	NA	23.24	23.20	22.52	21.23	20.39	22.10	23.33	23.90	NA	660.06	660.10	660.78	662.07	662.91	661.20	659.97	659.40
MW318B	801.32	803.79	NA	53.57	53.51	44.64	42.40	42.75	45.36	45.18	46.61	NA	750.22	750.28	759.15	761.39	761.04	758.43	758.61	757.18
MW319B	790.57	793.04	NA	87.14	83.66	73.85	70.38	71.33	74.19	74.77	76.42	NA	705.90	709.38	719.19	722.66	721.71	718.85	718.27	716.62
Deep Bedrock Wells																				
W301C[3]	666.38	NS	NA	NA	NA	NA	NA	NA	NA	6.78	4.03	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW302B (4,5)	665.29	667.42	0.74	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	666.68	667.42	667.42	667.42	667.42	667.42	667.42	667.42	667.42
MW303C	732.94	734.98	31.08	28.64	29.90	30.80	29.27	30.28	32.98	33.64	35.22	703.90	706.34	705.08	704.18	705.71	704.7	702.00	701.34	699.76
MW304C	680.57	682.44	NA	15.47	13.75	12.01	11.72	11.3	11.85	12.01	12.57	NA	666.97	668.69	670.43	670.72	671.14	670.59	670.43	669.87
MW306C	662.47	664.70	9.00	7.40	7.80	7.91	6.98	6.88	8.01	7.55	7.47	655.70	657.30	656.90	656.79	657.72	657.82	656.69	657.15	657.23
MW307B (4)	688.33	690.85	79.30	72.12	69.70	63.99	55.72	53.33	63.91	68.58	70.62	611.55	618.73	621.15	626.86	635.13	637.52	626.94	622.27	620.23
MW310C (5)	675.38	678.35	NA	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	NA	678.35	678.35	678.35	678.35	678.35	678.35	678.35	678.35
MW311C1	669.07	671.18	NR	147.64	146.34	142.37	139.67	137.03	135.20	131.91	130.10	NR	523.54	524.84	528.81	531.51	534.15	535.98	539.27	541.08

(1) ft msl = feet above mean sea level; vertical datum NAVD88 feet
(2) ft btor = feet below top of PVC riser pipe (Top of Casing)
(3) Monitoring well MW301C was installed on May 20, 2008; water level monitoring was performed after this date.
(4) Monitoring wells MW302B and MW307B were drilled deeper than originally planned in order to intersect a water-bearing zone. These wells are therefore classified as Deep Bedrock wells because their screens are deeper than 200 ft bgs.
(5) Artesian pressure was encountered in this well and well is flowing. Groundwater elevation was set equal to the top of casing.

NA = Not Applicable
NR = Not Recorded

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Table 2.3-20 Monthly Surface Water Elevation Measurements, BBNPP

Gauging Station ID	(ft msl)	Depth to Water (ft)									Water Elevation (ft msl)								
	Reference Point	October 31, 2007	November 29, 2007	December 13, 2007	January 26, 2008	February 26, 2008	March 25, 2008	April 15, 2008	May 21, 2008	June 10, 2008	October 31, 2007	November 29, 2007	December 13, 2007	January 26 , 2008	February 26, 2008	March 25, 2008	April 15, 2008	May 21, 2008	June 10, 2008
Stream Gauges																			
G-1	670.97	7.67	8.77	11.58	8.88	8.67	8.69	8.76	8.69	9.00	663.30	662.20	659.39	662.09	662.30	662.28	662.24	662.24	661.97
G-2	656.81	NR	9.56	9.60	10.24	9.83	9.81	10.63	9.81	10.57	NR	647.25	647.21	646.57	646.98	647.00	646.18	646.89	646.24
G-3	729.20	NR	6.70	6.75	6.73	6.71	9.66	6.75	9.66	6.75	NR	722.50	722.45	722.47	722.49	719.54	722.45	722.60	722.45
G-5	608.10	NR	NR	6.40	6.33	6.15	6.20	6.25	6.20	6.44	NR	NR	601.70	601.77	601.95	601.90	601.85	601.77	601.66
G-10	529.77	NR	NR	11.38	9.00	8.75	NR	11.57	NR	11.50	NR	NR	518.39	520.77	521.02	NR	518.20	518.35	518.27
G-12	NS	NR	NR	NR	NR	NR	NR	0.51	0.58	0.36	NR	NR	NR	NR	NR	NR	NS	N S	NS
G-13	NS	NR	NR	NR	NR	NR	10.30	10.50	10.30	10.89	NR	NR	NR	NR	NR	NS	NS	N S	NS
Pond Gauges																			
G-6	714.27	1.00	0.80	2.10	2.32	2.50	2.82	2.44	2.06	1.74	711.97	711.77	713.07	713.29	713.47	713.79	713.41	713.03	712.71
G-7	687.52	0.82	0.78	0.71	0.36	0.30	0.44	0.90	1.14	1.08	685.04	685.00	684.93	684.58	684.52	684.66	685.12	685.36	685.30
G-8	656.62	0.54	0.84	0.99	0.72	0.90	0.98	1.22	1.40	1.40	653.86	654.16	654.31	654.04	653.41	654.30	654.54	654.72	654.72
G-9	667.75	1.03	1.58	1.59	1.57	2.10	2.18	1.00	2.02	1.74	665.48	666.03	666.04	666.02	666.55	666.63	665.45	666.47	666.19

msl = mean sea level
NR = No Reading Taken
NS = Not Surveyed

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Table 2.3-21 Horizontal Hydraulic Gradients

Groundwater Flow Pathline	Upgradient Point	Downgradient Point	Pathline Distance (ft)	Head Loss Along Flowline (ft)			Horizontal Gradient (ft/ft)		
				Oct. 2007	Jan. 2008	Mar. 2008	Oct. 2007	Jan. 2008	Mar. 2008
Glacial Overburden Aquifer									
GO1	MW304A	MW302A1	2,000	10.36	9.48	8.31	0.0052	0.0047	0.0042
GO2	MW302A1	MW301A	1,500	2.67	3.89	4.52	0.0018	0.0026	0.0030
GO3	MW301A	Pond G8	450	1.85	3.64	5.03	0.0041	0.0081	0.0112
Shallow Bedrock Aquifer									
SB1	MW319B	MW310B	900	44.21	54.38	55.47	0.0491	0.0604	0.0616
SB2	MW301B	MW312B	300	7.35	2.38	2.42	0.0245	0.0079	0.0081
SB3	MW315B	MW316B	450	25.43	25.73	24.27	0.0565	0.0572	0.0539
SB4	MW316B	MW317B	490	32.18	32.76	30.87	0.0657	0.0669	0.0630
SB5	MW317B	MW308B	1425	65.20	60.30	74.22	0.0458	0.0423	0.0521
SB6	MW313B	MW308B	600	60.96	57.76	71.28	0.1016	0.0963	0.1188
Deep Bedrock Aquifer									
DB1	MW303C	MW306C	2,700	48.20	47.39	46.88	0.0179	0.0176	0.0174
DB2	MW303C	MW307B	4,050	92.35	77.32	67.18	0.0228	0.0191	0.0166

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Table 2.3-22 Vertical Hydraulic Gradients and Flow Directions

(Page 1 of 2)

Well Pair	Date	Gradient A to B	Gradient A to C	Gradient B to C	Gradient A1 to A2	Flow Direction
MW301A - MW301B1	11/29/2007	-0.0182	-----	-----	-----	upward
	1/26/2008	-0.0330	-----	-----	-----	upward
	3/24/2008	-0.0111	-----	-----	-----	upward
	7/1/2008					
MW302A1 - MW302B[1,2]	11/29/2007	-----	-0.0376	-----	-----	upward
	1/26/2008	-----	-0.0330	-----	-----	upward
	3/24/2008	-----	-0.0201	-----	-----	upward
	7/1/2008					
MW303A - MW303B	11/29/2007	-0.0860	-----	-----	-----	upward
	1/26/2008	-0.0514	-----	-----	-----	upward
	3/24/2008	-0.0490	-----	-----	-----	upward
	7/1/2008					
MW303A - MW303C	11/29/2007	-----	0.0379	-----	-----	downward
	1/26/2008	-----	0.0465	-----	-----	downward
	3/24/2008	-----	0.0569	-----	-----	downward
	7/1/2008					
MW303B - MW303C	11/29/2007	-----	-----	0.0900	-----	downward
	1/26/2008	-----	-----	0.0876	-----	downward
	3/24/2008	-----	-----	0.1013	-----	downward
	7/1/2008					
MW304A - MW304B	11/29/2007	0.0017	-----	-----	-----	downward
	1/26/2008	0.0031	-----	-----	-----	downward
	3/24/2008	0.0042	-----	-----	-----	downward
	7/1/2008					
MW304A - MW304C	11/29/2007	-----	0.0095	-----	-----	downward
	1/26/2008	-----	0.0018	-----	-----	downward
	3/24/2008	-----	0.0029	-----	-----	downward
	7/1/2008					
MW304B - MW304C	11/29/2007	-----	-----	0.0148	-----	downward
	1/26/2008	-----	-----	0.0008	-----	downward
	3/24/2008	-----	-----	0.0020	-----	downward
	7/1/2008					
MW305A1 - MW305B	11/29/2007	0.0026	-----	-----	-----	downward
	1/26/2008	0.0153	-----	-----	-----	downward
	3/24/2008	0.0094	-----	-----	-----	downward
	7/1/2008					
MW305A2 - MW305B	11/29/2007	0.0012	-----	-----	-----	downward
	1/26/2008	0.0014	-----	-----	-----	downward
	3/24/2008	0.0022	-----	-----	-----	downward
	7/1/2008					
MW305A1 - MW305A2	11/29/2007	-----	-----	-----	0.0054	downward
	1/26/2008	-----	-----	-----	0.0126	downward
	3/24/2008	-----	-----	-----	0.0234	downward
	7/1/2008					

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Table 2.3-22 Vertical Hydraulic Gradients and Flow Directions

(Page 2 of 2)

Well Pair	Date	Gradient A to B	Gradient A to C	Gradient B to C	Gradient A1 to A2	Flow Direction
MW306A - MW306C	11/29/2007	-----	-0.0023	-----	-----	upward
	1/26/2008	-----	-0.0031	-----	-----	upward
	3/24/2008	-----	-0.0027	-----	-----	upward
	7/1/2008					
MW307A - MW307B(1)	11/29/2007	-----	0.2921	-----	-----	downward
	1/26/2008	-----	0.2506	-----	-----	downward
	3/24/2008	-----	0.2094	-----	-----	downward
	7/1/2008					
MW308A - MW308B	11/29/2007	1.3143	-----	-----	-----	downward
	1/26/2008	1.2232	-----	-----	-----	downward
	3/24/2008	1.4998	-----	-----	-----	downward
	7/1/2008					
MW309A - MW309B	11/29/2007	0.0176	-----	-----	-----	downward
	1/26/2008	0.0196	-----	-----	-----	downward
	3/24/2008	0.0241	-----	-----	-----	downward
	7/1/2008					
MW310A - MW310B	11/29/2007	-0.0732	-----	-----	-----	upward
	1/26/2008	-0.0862	-----	-----	-----	upward
	3/24/2008	-0.0799	-----	-----	-----	upward
	7/1/2008					
MW310A - MW310C (2)	11/29/2007	-----	-0.1117	-----	-----	upward
	1/26/2008	-----	-0.1132	-----	-----	upward
	3/24/2008	-----	-0.1023	-----	-----	upward
	7/1/2008					
MW310B - MW310C (2)	11/29/2007	-----	-----	-0.1355	-----	upward
	1/26/2008	-----	-----	-0.1300	-----	upward
	3/24/2008	-----	-----	-0.1162	-----	upward
	7/1/2008					

Notes:

(1) Monitoring wells MW302B and MW307B were drilled deeper than originally planned; as a result, the wells have been reclassified as a Deep Bedrock wells (i.e., “C” wells)

(2) Monitoring wells MW302B and MW307B are artesian with water flowing from the wells. Hydraulic heads for wells MW302B and MW310C were set at the top of riser pipe for purposes of calculating vertical gradients.

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Table 2.3-23 Hydraulic Conductivity Values Based on Slug Tests

Well ID	Kh (ft/day)	Kh (ft/s)	Kh (cm/s)
Glacial Overburden Wells			
MW301A	3.39E+01	3.92E-04	1.20E-02
MW302A1	7.36E+01	8.52E-04	2.60E-02
MW302A2	5.69E+01	6.59E-04	2.01E-02
MW302A3	7.25E+01	8.39E-04	2.56E-02
MW302A4	7.92E+01	9.17E-04	2.79E-02
MW303A	3.70E-02	4.28E-07	1.31E-05
MW304A	3.07E+01	3.55E-04	1.08E-02
MW305A1	6.04E+00	6.99E-05	2.13E-03
MW305A2	7.18E+00	8.31E-05	2.53E-03
MW306A	9.63E+01	1.11E-03	3.40E-02
MW307A	3.38E-02	3.91E-07	1.19E-05
MW308A	3.43E+00	3.97E-05	1.21E-03
MW309A	1.51E+01	1.75E-04	5.33E-03
MW310A	2.38E+01	2.75E-04	8.40E-03
Geometric mean	1.03E+01	1.20E-04	3.65E-03
Shallow Bedrock Wells			
MW301B1	1.05E+00	1.22E-05	3.70E-04
MW303B	6.99E+00	8.09E-05	2.47E-03
MW304B	3.85E+01	4.46E-04	1.36E-02
MW305B	2.80E+00	3.24E-05	9.88E-04
MW309B	2.23E+00	2.58E-05	7.87E-04
MW310B	2.36E+00	2.73E-05	8.33E-04
Geometric mean	4.01E+00	4.64E-05	1.41E-03
Deep Bedrock Wells			
MW302B	3.94E-01	4.56E-06	1.39E-04
MW303C	1.48E+00	1.71E-05	5.22E-04
MW304C	5.19E-02	6.01E-07	1.83E-05
MW306C	3.25E-02	3.76E-07	1.15E-05
MW307B	4.27E+00	4.94E-05	1.51E-03
Geometric mean	3.35E-01	3.87E-06	1.18E-04

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Table 2.3-24 Hydraulic Properties Based on Pumping Tests

Observation Well ID	Test Type	Transmissivity		Hydraulic Conductivity		Storage Coefficient, S	Specific Yield, Sy
		(ft^2/day)	(cm^2/s)	(ft/day)	(cm/s)	(unitless)	(unitless)
Glacial Overburden Pumping Test (Pumping Well = MW302A1)							
MW302A2	Pumping Test	1.98E+03	2.13E+01	1.10E+02	3.88E-02	NA	5.00E-01
	Recovery Test	3.00E+03	3.23E+01	1.67E+02	5.89E-02	NA	NA
MW302A3	Pumping Test	1.85E+03	1.99E+01	1.03E+02	3.63E-02	NA	2.53E-01
	Recovery Test	6.43E+03	6.91E+01	3.57E+02	1.26E-01	NA	NA
MW302A4	Pumping Test	2.03E+03	2.18E+01	1.13E+02	3.99E-02	NA	3.22E-01
	Recovery Test	5.26E+03	5.66E+01	2.92E+02	1.03E-01	NA	NA
Geometric Mean		3.02E+03	3.24E+01	1.68E+02	5.92E-02	NA	3.44E-01
Median		2.52E+03	2.70E+01	1.40E+02	4.94E-02	NA	3.22E-01
Bedrock Pumping Test (Pumping Well = MW301B1)							
MW301B2	Pumping Test	1.31E+01	1.41E-01	2.38E-01	8.40E-05	8.37E-05	NA
	Recovery Test	1.38E+02	1.48E+00	2.51E+00	8.85E-04	5.50E-04	NA
MW301B3	Pumping Test	1.42E+01	1.53E-01	2.58E-01	9.10E-05	5.37E-05	NA
	Recovery Test	1.13E+02	1.22E+00	2.05E+00	7.23E-04	2.52E-04	NA
MW301B4	Pumping Test	3.01E+00	3.24E-02	5.46E-02	1.93E-05	1.25E-05	NA
	Recovery Test	3.17E+01	3.41E-01	5.77E-01	2.04E-04	7.41E-05	NA
Geometric Mean		2.55E+01	2.74E-01	4.64E-01	1.64E-04	9.12E-05	NA
Median		2.30E+01	2.47E-01	4.18E-01	1.47E-04	7.89E-05	NA

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Table 2.3-25 Hydraulic Conductivity Values of Bedrock (Mahantango Shale) Based on Packer Tests

Test Time Interval	Depth to Top of Test Zone	Depth to Bottom of Test Zone	Length of Test Interval	Constant Rate of Flow	Hydraulic Conductivity	
Δ T (s)	L 2 (ft)	L 1 (ft)	L (cm)	q (cm^3/s)	K K=ft/day	K K=cm/s
Monitoring Well MW301C tested on 11/6/2007						
600	55.7	76.7	640.08	27.1287	5.99E-02	2.11E-05
300	76.7	97.7	640.08	0.0	0.0	0.0
300	97.7	118.7	640.08	0.0	0.0	0.0
300	118.7	139.7	640.08	0.0	0.0	0.0
300	139.7	160.7	640.08	0.0	0.0	0.0
600	160.7	181.7	640.08	1.2618	9.42E-04	3.32E-07
300	181.7	202.7	640.08	0.0	0.0	0.0
300	202.7	223.7	640.08	0.0	0.0	0.0
300	223.7	244.7	640.08	0.0	0.0	0.0
600	244.7	265.7	640.08	10.0944	4.93E-03	1.74E-06
300	265.7	286.7	640.08	0.0	0.0	0.0
600	286.7	307.7	640.08	13.8798	5.78E-03	2.04E-06
600	307.7	328.7	640.08	135.0126	5.23E-02	1.85E-05
600	338.7	349.7	335.28	176.652	1.05E-01	3.71E-05
600	349.7	370.7	640.08	169.7121	5.78E-02	2.04E-05
600	370.7	391.7	640.08	141.3216	4.54E-02	1.60E-05
600	391.7	397.7	182.88	174.1284	1.43E-01	5.04E-05
Monitoring Well MW304C tested on 11/2/2007 and 11/3/2007						
600	117	140	701.04	0.0	0.0	0.0
600	140	163	701.04	0.0	0.0	0.0
600	163	186	701.04	5.0472	2.95E-03	1.04E-06
600	230	253	701.04	5.6781	2.35E-03	8.30E-07
600	253	276	701.04	0.0	0.0	0.0
600	290	313	701.04	3.1545	1.04E-03	3.66E-07
600	347	370	701.04	25.236	6.93E-03	2.45E-06
600	370	393	701.04	47.9484	1.24E-02	4.36E-06
300	471	442	701.04	0.0	0.0	0.0
600	522	545	701.04	17.0343	3.11E-03	1.10E-06
Monitoring Well MW306C tested on 11/5/2007						
600	56.5	76.5	609.6	17.6652	3.24E-02	1.14E-05
600	76.5	96.5	609.6	2.5236	3.44E-03	1.21E-06
600	96.5	116.5	609.6	37.854	4.11E-02	1.45E-05
300	116.5	136.5	609.6	0.0	0.0	0.0
300	136.5	156.5	609.6	0.0	0.0	0.0
600	156.5	176.5	609.6	83.2788	5.60E-02	1.98E-05
300	176.5	196.5	609.6	0.0	0.0	0.0
600	196.5	216.5	609.6	1.2618	6.78E-04	2.39E-07
300	216.5	236.5	609.6	0.0	0.0	0.0
300	236.5	256.5	609.6	0.0	0.0	0.0
600	256.5	276.5	609.6	10.7253	4.42E-03	1.56E-06
600	276.5	296.5	609.6	12.618	4.83E-03	1.70E-06
600	296.5	316.5	609.6	12.618	4.50E-03	1.59E-06

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Table 2.3-25 Hydraulic Conductivity Values of Bedrock (Mahantango Shale) Based on Packer Tests

Test Time Interval	Depth to Top of Test Zone	Depth to Bottom of Test Zone	Length of Test Interval	Constant Rate of Flow	Hydraulic Conductivity	
Δ T (s)	L 2 (ft)	L 1 (ft)	L (cm)	q (cm^3/s)	K K=ft/day	K K=cm/s
300	317.5	327.5	304.8	0.0	0.0	0.0
Monitoring Well MW310C (geotechnical boring B327) tested on 11/4/2007						
600	68.5	88.5	609.6	182.961	3.00E-01	1.06E-04
300	88.5	108.5	609.6	0.0	0.0	0.0
300	108.5	128.5	609.6	0.0	0.0	0.0
600	128.5	148.5	609.6	18.927	1.73E-02	6.09E-06
300	148.5	168.5	609.6	0.0	0.0	0.0
300	168.5	188.5	609.6	442.8918	3.12E-01	1.10E-04
300	178.5	198.5	609.6	502.1964	3.34E-01	1.18E-04
Monitoring Well MW313C (geotechnical boring B322) tested on 11/9/2007						
600	72.5	93.5	640.08	318.6045	4.63E-01	1.63E-04
600	93.5	114.5	640.08	20.8197	2.40E-02	8.47E-06
300	107.5	138.5	640.08	0.0	0.0	0.0
600	114.5	135.5	640.08	83.9097	8.04E-02	2.84E-05
300	128.5	149.5	640.08	0.0	0.0	0.0
300	149.5	170.5	640.08	0.0	0.0	0.0
300	170.5	191.5	640.08	0.0	0.0	0.0
300	178.5	199.5	640.08	0.0	0.0	0.0

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Table 2.3-26 Summary of Hydraulic Property Testing at the SSES

Type of Test	Location of Test(s)	Geologic Material Tested	Hydraulic Conductivity			
			Horizontal		Vertical	
			(ft/day)	(cm/s)	(ft/day)	(cm/s)
Pumping Tests	Wells TW-1, TW2	Kame Terrace Deposits, lower 40 ft	3.3 to 15.0	1.16E-03 to 5.29E-03		
	Well C	Kame Terrace Deposits, lower 43 ft	200 (1)	7.06E-02(1)		
	Well CPW	Kame Terrace Deposits, 37 ft	194 (1)	6.84E-02 (1)		
	Well 1210	Kame Terrace Deposits and upper 2 to 3 ft of bedrock	7.8	2.75E-03		
	Well 1204	Kame Terrace Deposits and upper 2 to 3 ft of bedrock	21.7 to 29.2	7.66E-03 to 1.03E-02		
Slug Tests	Well 1208	Kame Terrace Deposits and upper 2 to 3 ft of bedrock	1.8	6.35E-04		
	Well 1210	Kame Terrace Deposits and upper 2 to 3 ft of bedrock	6.6	2.33E-03		
Packer Tests	Borings 929-935 and 937-940, near railway bridge over Rt. 11	Mahantango siltstone and black shale, upper 50 ft of rock (41 intervals tested)	0.013 to 0.76 (median = 0.22)	4.59E-06 to 2.68E-04 (median = 7.76E-05)		
	Reactor and Retention Pond Areas	Mahantango siltstone, less than 20 ft bgs	0.85	3.00E-04		
		Mahantango siltstone, more than 20 ft bgs	1.00E-06	3.53E-10		
	Boring 305	Mahantango siltstone, 7 to 52 ft bgs	0.0061 to 0.41	2.15E-06 to 1.45E-04		
	Well 1201	Mahantango siltstone, 6.7 to 35.3 ft bgs	0 to 0.063	0 to 2.22E-05		
	Well 1209A	Mahantango siltstone, 5.7 to 34 ft bgs	0 to 0.028	0 to 9.88E-06		
Open-End Tests in Borings	Retention Pond Area	Kame Terrace deposits; tests performed in 29 borings	5.7	0.00201	13 to 63	0.00459 to 2.22E-02
	Spray Pond Area	Kame Terrace deposits; tests performed in 7 borings	0.022 to 11.8+	7.76E-06 to 4.16E-03		
	Spray Pond Area (borings 1113 and 1114)	Kame Terrace Deposits and upper 2 to 3 ft of bedrock	1.0 to 3.8	3.52E-04 to 1.34E-03		
	Spray Pond Area (borings 1117)	Mahantango siltstone, 12 to 20 ft below top of rock	2.5	8.82E-04		

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Table 2.3-26 Summary of Hydraulic Property Testing at the SSES

Type of Test	Location of Test(s)	Geologic Material Tested	Hydraulic Conductivity			
			Horizontal		Vertical	
			(ft/day)	(cm/s)	(ft/day)	(cm/s)
Laboratory Permeability Tests	Approximately 1,500 ft (460 m) northeast of plant center	Upper Silty Soil			0.028	9.88E-06
	Boring 1200A at 27 ft bgs	Kame Terrace Deposits			2.3	8.11E-04

Notes:
(1) Based on specific capacity data, assuming wells were 85% efficient
bgs = below ground surface

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Table 2.3-27 {Surface Water Users in Luzerne County}

ORGANIZATION	SITE_ID	WATER BODY	PRIMARY USE	SITE STATUS
AIRPORT SAND & GRAVEL CO INC	256331	ABRAHAM CREEK DIV	MINERAL USE	ACTIVE
AMER ASPHALT PAVING CO	448323	BROWNS CREEK DIV	MINERAL USE	ACTIVE
APPLEWOOD GC	625899	LEWIS CREEK	COMMERCIAL USE	ACTIVE
BARLETTA BROS	245902	NESCOPECK CREEK	COMMERCIAL USE	ACTIVE
BARLETTA MATERIALS & CONST INC	271224	SUSQUEHANNA RIVER	INDUSTRIAL USE	ACTIVE
BURTAM CORP	491078	POND HOLE 18	COMMERCIAL USE	ACTIVE
CARBON SALES INC	259022	MILL CREEK WITH	MINERAL USE	ACTIVE
CHRISTINE & WILLIAM MISSON	245088	POND A	COMMERCIAL USE	ACTIVE
CHRISTINE & WILLIAM MISSON	245088	POND B	COMMERCIAL USE	ACTIVE
CHRISTINE & WILLIAM MISSON	245088	POND C	COMMERCIAL USE	ACTIVE
CONTINENTIAL ENERGY ASSOC	492489	POND DIV	MINERAL USE	ACTIVE
DIAMOND COAL CO INC	250506	RESERVOIR DIV	MINERAL USE	ACTIVE
DRUE CHAPIN & SONS	662342	INTAKE 1	AGRICULTURAL USE	ACTIVE
DRUE CHAPIN & SONS	662342	INTAKE 2	AGRICULTURAL USE	ACTIVE
DRUE CHAPIN & SONS	662342	INTAKE 3	AGRICULTURAL USE	ACTIVE
DRUE CHAPIN & SONS	672354	INTAKE 1	AGRICULTURAL USE	ACTIVE
DRUE CHAPIN & SONS	662343	RIVER INTAKE 1	AGRICULTURAL USE	ACTIVE
DRUE CHAPIN & SONS	662343	RIVER INTAKE 2	AGRICULTURAL USE	ACTIVE
DRUE CHAPIN & SONS	662343	RIVER INTAKE 3	AGRICULTURAL USE	ACTIVE
DRUE CHAPIN & SONS	662343	RIVER INTAKE 4	AGRICULTURAL USE	ACTIVE
DRUE CHAPIN & SONS	662343	RIVER INTAKE 5	AGRICULTURAL USE	ACTIVE
DRUE CHAPIN & SONS	662343	RIVER INTAKE 6	AGRICULTURAL USE	ACTIVE
DRUE CHAPIN & SONS	662343	RIVER INTAKE 7	AGRICULTURAL USE	ACTIVE
DRUE CHAPIN & SONS	672341	INTAKE 1	AGRICULTURAL USE	ACTIVE
FRED W ECKEL SONS	677216	SUSQUEHANNA RIVER INTAKE	AGRICULTURAL USE	ACTIVE
GEN CRUSHED STONE CO	258181	POND WITHDRAWAL	MINERAL USE	ACTIVE
GERALD & LEWIS NAUGLE	261815	PIKES CRK DIV	MINERAL USE	ACTIVE
HUNLOCK SAND & GRAVEL CO	450734	ROARING BROOK	MINERAL USE	ACTIVE
HUNLOCK SAND & GRAVEL CO	450734	POND	MINERAL USE	ACTIVE
HUNTSVILLE GC	446924	MARKET STREET IRRIGATION POND	COMMERCIAL USE	ACTIVE
INDIAN SPRINGS SAWMILL	549919	YEAGER RUN	INDUSTRIAL USE	ACTIVE
JA & WA HESS INC	452784	SUSQUEHANNA RVR	MINERAL USE	ACTIVE

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Table 2.3-27 {Surface Water Users in Luzerne County}

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ORGANIZATION	SITE_ID	WATER BODY	PRIMARY USE	SITE STATUS
JA & WA HESS INC	452784	SUSQUEHANNA WITHDRAWAL	MINERAL USE	ACTIVE
JEAN RUN INC	449143	FARM POND	COMMERCIAL USE	ACTIVE
KAMINSKI BROS INC	442707	POND WITHDRAWAL	MINERAL USE	ACTIVE
KAMINSKI BROS INC	449046	SILT POND	INDUSTRIAL USE	ACTIVE
KELLY INVESTORS INC	445826	RESERVOIR DIV	MINERAL USE	INACTIVE
KEYSTONE COCA COLA BOTTLING CORP	258071	SURFACE WITHDRAW	INDUSTRIAL USE	ACTIVE
NEWBERRY GOLF ESTATE CC	269371	POND	COMMERCIAL USE	ACTIVE
PG ENERGY INC	494082	COAL CREEK	COMMERCIAL USE	ACTIVE
PG ENERGY INC	494082	HARVEYS CREEK	COMMERCIAL USE	ACTIVE
PG ENERGY INC	494082	CAMPBELLS LEDGE	COMMERCIAL USE	ACTIVE
PG ENERGY INC	494082	LAUREL RUN	COMMERCIAL USE	ACTIVE
PG ENERGY INC	494082	PINE RUN INTAKE	COMMERCIAL USE	ACTIVE
PG ENERGY INC	494082	WANAMIE	COMMERCIAL USE	ACTIVE
SHIRLEY M RINEHIMER	254432	POND WITHDRAWAL	MINERAL USE	INACTIVE
SUGARLOAF GC INC	243760	POND	COMMERCIAL USE	ACTIVE
SUGARLOAF GC INC	243760	BUCK MOUNTAIN STREAM	COMMERCIAL USE	ACTIVE
Unavailable	259075	SURFACE WITHDRAWAL	AGRICULTURAL USE	ACTIVE
VALLEY CC	243972	POND 3	COMMERCIAL USE	ACTIVE
WILKES BARRE CITY GEN MUNI AUTH LUZERNE CNTY	243780	FIVE MILE RUN	COMMERCIAL USE	ACTIVE
WYOMING VALLEY CC	260442	POND	COMMERCIAL USE	ACTIVE

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Table 2.3-28 {SSES Unit 1 & 2 Monthly Consumptive Water Use}

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Monthly Total Water Use Rate (Million Gallons per Month)

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2001	824	785	569	554	1,011	1,089	1,131	1,157	1,046	1,028	950	894
2002	868	748	436	592	1,030	1,103	1,175	1,173	1,079	770	894	851
2003	986	927	865	625	1,042	1,051	1,145	1,139	931	986	927	865
2004	740	702	503	581	1,081	1,060	1,112	1,129	1,045	985	833	850
2005	791	682	531	870	1,024	1,032	1,145	1,153	1,078	985	757	827
2006	884	744	525	739	974	1,054	1,149	1,138	1,008	685	930	911

Source: PPL (2008)

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Table 2.3-29 {Major Public Water Suppliers within Luzerne and Columbia Counties}

PWSIS	System Name	County	Source Waterbody Name	Source Pumping Capacity (GPD)	Source Safe Yield (GPD)
4190008	United Water PA Bloomsburg	Columbia	Fishing Creek	5,760,000	5,000,000
2409002	PA American Water Company- Ceasetown	Luzerne	Ceasetown Reservoir	8,300,000	13,200,000
2409002	PA American Water Company- Ceasetown	Luzerne	Harveys Creek	1,300,000	1,300,000
2409003	PA American Water Company- Crystal Lake	Luzerne	Crystal Lake	0	5,000,000
2409003	PA American Water Company- Crystal Lake	Luzerne	Crystal Lake	-	-
2409013	PA American Water Company- Huntsville	Luzerne	Huntsville Reservoir	4,500,000	6,000,000
2409010	PA American Water Company- Nesbitt	Luzerne	Maple Lake	0	0
2409010	PA American Water Company- Nesbitt	Luzerne	Watres Reservoir	-	2,600,000
2409010	PA American Water Company- Nesbitt	Luzerne	Nesbitt	0	0
2409011	PA American Water Company- Watres	Luzerne	Mill Creek Reservoir	-	-
2409011	PA American Water Company- Watres	Luzerne	Gardner Cr. Reservoir	-	-
2409011	PA American Water Company- Watres	Luzerne	Watres Reservoir	0	0
2400148	Stockton Water System	Luzerne	Ponds	-	-
2408001	HCA Roan Filter Plant ID-006	Luzerne	Stony Cabin Creek	0	0
2408001	HCA Roan Filter Plant ID-005	Luzerne	Wolfe's Run	0	0
2408001	HCA Roan Filter PlantID-004	Luzerne	Dreck Creek	0	0
2408001	HCA Roan Filter Plant ID-003	Luzerne	Biesel's Run	0	0
2408001	HCA Roan Filter Plant ID-002	Luzerne	Oberson's Run	0	0
2408001	HCA Roan Filter Plant ID-018	Luzerne	Shaffers Run	0	0
2408001	HCA Roan Filter Plant ID-012	Luzerne	Mt. Pleasant Spring	0	0
2408001	HCA Roan Filter Plant ID-021	Luzerne	Lehigh River	0	0

Source: USEPA (2008b) and PADEP (2008d)
Note: GPD = Gallons per day

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Table 2.3-30 {SSES Cooling Tower Blowdown Discharge Rate Permit No. PA0047325}

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Monthly Average and Maximum Discharge Rate (Million Gallons per Day

MONTH	2000		2001		2002		2003		2004		2005		2006		2007	
	Mean	Max	Mean	Max	Mean	Max	Mean	Max	Mean	Max	Mean	Max	Mean	Max	Mean	Max
January	6.86	11.81	11.17	15.55	8.91	10.42	6.58	10.42	11.08	17.72	12.09	17.29	9.41	15.08	10.63	16.92
February	9.68	17.28	10.24	11.88	7.52	10.08	9.22	10.30	12.36	14.36	11.15	17.28	9.72	12.10	11.47	14.69
March	8.26	17.28	6.45	10.94	5.67	9.07	6.70	8.64	8.84	14.44	8.76	17.28	8.16	11.48	9.49	16.48
April	7.80	11.28	6.96	11.52	8.46	10.85	7.28	10.37	11.94	17.28	14.54	17.28	10.93	12.94	13.04	17.28
May	14.37	17.28	15.86	17.28	12.80	17.06	12.84	16.85	11.30	15.88	12.89	14.28	12.01	15.56	14.36	17.22
June	15.19	17.28	17.08	17.28	16.68	17.28	13.64	17.28	14.53	16.98	13.15	17.28	14.33	17.28	17.17	17.28
July	15.66	17.28	15.40	17.28	17.13	17.28	16.79	17.28	16.35	17.28	12.27	16.05	16.15	17.28	17.20	17.28
August	13.51	17.28	16.33	16.70	17.05	17.28	17.13	17.28	15.61	17.28	12.63	17.28	17.01	17.28	17.28	17.28
September	14.40	17.28	16.72	17.28	16.16	17.28	13.26	17.28	16.54	17.28	13.28	17.28	16.35	17.28	15.24	17.28
October	11.12	13.39	13.18	15.26	10.60	15.12	9.56	15.26	11.62	16.72	13.71	17.28	12.83	17.10	13.51	17.28
November	9.36	16.92	13.71	16.18	9.19	12.24	11.57	17.28	9.84	13.61	8.59	13.21	12.74	17.16	10.73	17.28
December	11.46	17.28	11.17	15.55	6.49	11.52	9.73	17.78	13.42	17.28	9.91	16.71	11.75	16.36	9.23	14.33

Source: PPL (2008)

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Table 2.3-31 {Water Pollution Control Facilities in Luzerne County}

ORGANIZATION	SITE ID	SUB FACI 2	SITE STATUS
ABF FREIGHT SYS INC	535140	DISCHARGE POINT	ACTIVE
AGWAY PETRO CORP	245439	DISCHARGE POINT	ACTIVE
ALLIANCE LDFL	452024	DISCHARGE POINT	ACTIVE
AMER ROCK SALT CO LLC	534131	DISCHARGE POINT	ACTIVE
AQUA PA INC	257459	CONVEYANCE SYSTEM	ACTIVE
BEMIS CO INC	238511	DISCHARGE POINT	ACTIVE
BP PROD NORTH AMER INC	245780	DISCHARGE POINT	ACTIVE
BRIDON AMER CORP	465509	DISCHARGE POINT	ACTIVE
BRUSH WELLMAN CORP	450819	DISCHARGE POINT	ACTIVE
BUTLER PROD	540068	DISCHARGE POINT	ACTIVE
CABOT CORP	241624	PRODUCTION SERVICE UNIT	ACTIVE
CASTEK INC	515571	DISCHARGE POINT	ACTIVE
CBD ENTERPRISES INC	250561	DISCHARGE POINT	ACTIVE
CELOTEX CORP	513776	DISCHARGE POINT	ACTIVE
CERTAINTEED CORP	242936	DISCHARGE POINT	ACTIVE
CON WAY FREIGHT INC	534973	DISCHARGE POINT	ACTIVE
DALLAS AREA MUNI AUTH	681690	PUMP STATION	ACTIVE
DIAL CORP	262476	DISCHARGE POINT	ACTIVE
EDWARD LUKASHEWSKI	532225	DISCHARGE POINT	ACTIVE
ELDORADO PROP CORP	236472	DISCHARGE POINT	ACTIVE
ENTENMANNS	534395	DISCHARGE POINT	INACTIVE
EXXON 739 CORP	260255	TREATMENT PLANT	ACTIVE
FABRAL INC	607189	DISCHARGE POINT	ACTIVE
FEDEX CORP	533615	PRODUCTION SERVICE UNIT	ACTIVE
FEDEX NATL LTL INC	662274	DISCHARGE POINT	ACTIVE
FLEXTRONICS	547487	DISCHARGE POINT	ACTIVE
GEN MILLS INC	536701	DISCHARGE POINT	ACTIVE
GRAHAM PKG CO LP	635944	DISCHARGE POINT	ACTIVE
GRAHAM PKG CO LP	637387	DISCHARGE POINT	ACTIVE
GREIF BROS CORP	534867	DISCHARGE POINT	ACTIVE
GRUMA CORP	655837	DISCHARGE POINT	ACTIVE
GSD PKG LLC	670073	PRODUCTION SERVICE UNIT	ACTIVE
GULF OIL LTD PARTNERSHIP	465179	DISCHARGE POINT	ACTIVE
HAZLETON CASTING CO	647590	DISCHARGE POINT	ACTIVE
HAZLETON CITY WATER AUTH LUZERNE CNTY	447541	DISCHARGE POINT	ACTIVE
HERSHEY FOODS CORP	481099	DISCHARGE POINT	ACTIVE
HPG INTL INC	248877	TREATMENT PLANT	ACTIVE
INDALEX INC - MOUNTAINTOP DIV	525674	DISCHARGE POINT	ACTIVE
INTERMETRO IND CORP	248955	DISCHARGE POINT	ACTIVE
INTERMETRO IND CORP	527804	DISCHARGE POINT	ACTIVE
INTERSIL CORP	471870	DISCHARGE POINT	ACTIVE
IRECO INC	241565	DISCHARGE POINT	ACTIVE
JACOBSON CO INC	699736	PRODUCTION SERVICE UNIT	ACTIVE
LOUIS COHEN & SON INC	534190	DISCHARGE POINT	ACTIVE
OFFSET PAPERBACK MANUFACTURERS INC	243274	PRODUCTION SERVICE UNIT	ACTIVE
PA AMER WATER CO	243286	TREATMENT PLANT	ACTIVE

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Table 2.3-31 {Water Pollution Control Facilities in Luzerne County}

(Page 2 of 2)

ORGANIZATION	SITE ID	SUB FACI 2	SITE STATUS
PA AMER WATER CO	446349	DISCHARGE POINT	ACTIVE
PA AMER WATER CO	449229	DISCHARGE POINT	ACTIVE
PA AMER WATER CO	449233	DISCHARGE POINT	ACTIVE
PA AMER WATER CO	452022	DISCHARGE POINT	ACTIVE
PA AMER WATER CO	480951	DISCHARGE POINT	ACTIVE
PA DEP NERO	544343	DISCHARGE POINT	ACTIVE
PA DEPT OF CORR	516545	DISCHARGE POINT	ACTIVE
PETRO SVC CORP	547319	DISCHARGE POINT	ACTIVE
PILOT CORP	250389	DISCHARGE POINT	ACTIVE
POLYGLASS USA INC	525105	DISCHARGE POINT	ACTIVE
PPL ELEC UTILITIES CORP	250359	DISCHARGE POINT	ACTIVE
SANDUSKY LEWIS METAL PROD INC	236732	DISCHARGE POINT	ACTIVE
SCHOTT GLASS TECH INC	256591	DISCHARGE POINT	ACTIVE
SLUSSER BROS TRUCKING & EXCAV CO INC	513213	DISCHARGE POINT	ACTIVE
SLUSSER BROS TRUCKING & EXCAV CO INC	534045	DISCHARGE POINT	ACTIVE
SMITHS AEROSPACE COMPONENTS	665612	DISCHARGE POINT	ACTIVE
SOUTHERN ALLEGHENIES LDFL INC	803	TREATMENT PLANT	ACTIVE
STAR ENTERPRISE	248793	DISCHARGE POINT	ACTIVE
STERICYCLE INC	535121	DISCHARGE POINT	ACTIVE
SUNOCO INC	465963	DISCHARGE POINT	ACTIVE
SVC MFG INC	481491	DISCHARGE POINT	ACTIVE
TECHNEGLAS INC	244619	DISCHARGE POINT	ACTIVE
THREE SPRINGS WATER CO	261223	DISCHARGE POINT	ACTIVE
UGI DEVELOPMENT COMPANY	264295	DISCHARGE POINT	ACTIVE
UNISON ENGINE COMPONENTS INC	511980	DISCHARGE POINT	ACTIVE
UPS INC	534803	DISCHARGE POINT	ACTIVE
WEIR HAZLETON INC	511126	DISCHARGE POINT	ACTIVE
WILKES BARRE SCRANTON INTL AIRPORT	489635	DISCHARGE POINT	ACTIVE
WILLIAMS GAS PIPELINE TRANSCO	689478	DISCHARGE POINT	ACTIVE

Source: PADEP (2008c)

Table 2.3-32 {Water Use in the Upper Susquehanna River Basin, Pennsylvania, in 1970}

(Page 1 of 1)

Type of Use	Withdrawals					
	Groundwater		Surface Water		Total	
	million gpd	lpd	million gpd	lpd	million gpd	lpd
Public Supply	13.1	4.95E+07	99.5	3.76E+08	112.6	4.26E+08
Domestic Supply	8.3	3.14E+07	0.0	0.00E+00	8.3	3.14E+07
Industrial	8.1	3.06E+07	34.0	1.29E+08	42.1	1.59E+08
Mineral	10.3	3.89E+07	5.5	2.08E+07	15.8	5.97E+07
Agricultural	3.6	1.36E+07	2.0	7.56E+06	5.6	2.12E+07

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Table 2.3-32 {Water Use in the Upper Susquehanna River Basin, Pennsylvania, in 1970}

Type of Use	Withdrawals					
	Groundwater		Surface Water		Total	
	million gpd	lpd	million gpd	lpd	million gpd	lpd
Golf Course	0.2	7.56E+05	1.0	3.78E+06	1.2	4.54E+06
Institutional	0.6	2.27E+06	0.4	1.51E+06	1.0	3.78E+06
Power	0.0	0.00E+00	120.9	4.57E+08	120.9	4.57E+08
Totals	44.2	1.67E+08	263.3	9.95E+08	307.5	1.16E+09

million gpd = million gallons per day

lpd = liters per day

Reference: Taylor, 1984

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Table 2.3-33 {Groundwater Wells Located within a 25 Mile (40-km) Radius of BBNPP (Listed in Pennsylvania Groundwater Information System)}

PA WELL ID	OWNER	DATE DRILLED	DRILLING METHOD	COUNTY	LATITUDE	LONGITUDE	WELL DEPTH (ft bgs)	WELL FINISH	WELL YIELD (gpm)	STATIC WATER LEVEL (ft bgs)	WATER USE
7927	KRUSLICKY, P	12/1/1977	CABLE TOOL	CARBON	40.81528	-75.87333	97	OPEN HOLE		20	DOMESTIC
7928	SUMMIT HILL WATER AUTH	1/1/1905	CABLE TOOL	CARBON	40.81583	-75.85917	242	OPEN HOLE	161	9.6	PUBLIC SUPPLY
7929	SUMMIT HILL WATER AUTH		CABLE TOOL	CARBON	40.81611	-75.85833	250	OPEN HOLE	227	5.7	PUBLIC SUPPLY
7931	SUMMIT HILL WATER AUTH	5/19/1984	AIR ROTARY	CARBON	40.81667	-75.85778	400	UNKNOWN			PUBLIC SUPPLY
7933	SUMMIT HILL WATER AUTH		CABLE TOOL	CARBON	40.81722	-75.85972	335	OPEN HOLE	190	4	PUBLIC SUPPLY
7942	HORVAT, JOE	11/1/1979	CABLE TOOL	CARBON	40.81972	-75.86083	100	OPEN HOLE		20	DOMESTIC
7943	FOULK, M	4/1/1980	CABLE TOOL	CARBON	40.82056	-75.86000	106	OPEN HOLE		30	DOMESTIC
7946	PETRO , JOHN	4/1/1969	CABLE TOOL	CARBON	40.82167	-75.85750	110	OPEN HOLE	30	50	DOMESTIC
7947	LANZOS , JOSEPH	10/1/1968	CABLE TOOL	CARBON	40.82194	-75.85778	90	OPEN HOLE	20	40	DOMESTIC
7954	MAURER, J	7/1/1980	AIR ROTARY	CARBON	40.82250	-75.85667	225	OPEN HOLE	10	31.9	DOMESTIC
7956	MILLER, IRVIN	6/16/1976	CABLE TOOL	CARBON	40.82278	-75.85444	105	OPEN HOLE	20	28	DOMESTIC
7957	BOYLE, BOB	11/1/1977	CABLE TOOL	CARBON	40.82306	-75.85361	95	OPEN HOLE		30	DOMESTIC
7958	ALLESCH, J	8/21/1978	AIR ROTARY	CARBON	40.82306	-75.85500	125	OPEN HOLE		56.8	DOMESTIC
7960	EMBODY		CABLE TOOL	CARBON	40.82361	-75.85250	75	OPEN HOLE			DOMESTIC
7966	GORMAN		CABLE TOOL	CARBON	40.82528	-75.85056	96	OPEN HOLE		40	DOMESTIC
7994	SHOBER, J	11/1/1979	CABLE TOOL	CARBON	40.83889	-75.81861	103	OPEN HOLE	20	34	DOMESTIC
8014	PANTHER VALLEY WATER CO		CABLE TOOL	CARBON	40.84972	-75.87472	600	OPEN HOLE		12	PUBLIC SUPPLY
8048	AMETEK INC	3/2/1984	AIR ROTARY	CARBON	40.86139	-75.84083	550	OPEN HOLE	96	15	INDUSTRIAL
8049	AMETEK INC	4/18/1975	AIR ROTARY	CARBON	40.86167	-75.83972	600	OPEN HOLE	55	5	INDUSTRIAL
8050	AMETEK INC	12/30/1974	AIR ROTARY	CARBON	40.86167	-75.84000	600	OPEN HOLE	60		INDUSTRIAL
8052	FISH HATCHERY		CABLE TOOL	CARBON	40.86417	-75.90278	50	OPEN HOLE		10	DOMESTIC
8085	GERHARD			CARBON	40.89667	-75.91694				25.2	DOMESTIC
8087	RHOMIG		CABLE TOOL	CARBON	40.91472	-75.85750	79	OPEN HOLE		35	DOMESTIC
8088	PASCOE		CABLE TOOL	CARBON	40.91611	-75.87500	70	OPEN HOLE		30	DOMESTIC
8089	WALKO , J	8/1/1966	AIR ROTARY	CARBON	40.91694	-75.86250	182	OPEN HOLE	15	40	DOMESTIC
8090	YACKANICZ	1/1/1900	CABLE TOOL	CARBON	40.92944	-75.91667	27	OPEN HOLE		13	DOMESTIC
8091	WEATHERLY BOROUGH	1/1/1971	AIR ROTARY	CARBON	40.94111	-75.82056	144	OPEN HOLE	411	0	PUBLIC SUPPLY
8091	WEATHERLY BOROUGH	1/1/1971	AIR ROTARY	CARBON	40.94111	-75.82056	144	OPEN HOLE	411	0	PUBLIC SUPPLY
8092	WEATHERLY BOROUGH		AIR ROTARY	CARBON	40.94139	-75.84194	225	UNKNOWN			PUBLIC SUPPLY
8093	WEATHERLY BOROUGH	9/1/1981	AIR ROTARY	CARBON	40.94361	-75.82917	223	OPEN HOLE	126	0	PUBLIC SUPPLY
8096	BUCHMAN	1/1/1910	CABLE TOOL	CARBON	40.96444	-75.76278	99	OPEN HOLE			DOMESTIC

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Table 2.3-33 {Groundwater Wells Located within a 25 Mile (40-km) Radius of BBNPP (Listed in Pennsylvania Groundwater Information System)}

PA WELL ID	OWNER	DATE DRILLED	DRILLING METHOD	COUNTY	LATITUDE	LONGITUDE	WELL DEPTH (ft bgs)	WELL FINISH	WELL YIELD (gpm)	STATIC WATER LEVEL (ft bgs)	WATER USE
8097	SOURS	9/12/1930	CABLE TOOL	CARBON	40.96472	-75.77806	60	OPEN HOLE		36	DOMESTIC
8099	MILLER	1/1/1923	CABLE TOOL	CARBON	40.96806	-75.76778	75	OPEN HOLE		30	DOMESTIC
8102	GREGORY , WILLIAM	1/1/1984	AIR ROTARY	CARBON	40.97139	-75.77028	365	OPEN HOLE	12	65	DOMESTIC
8103	KENNEDY		CABLE TOOL	CARBON	40.97722	-75.78278	65	OPEN HOLE		30	DOMESTIC
8104	MOSER , DAVID	8/16/1974	AIR ROTARY	CARBON	40.97889	-75.79167	140	OPEN HOLE	25	40	DOMESTIC
8105	TULAY , JOSEPH	1/1/1978	AIR ROTARY	CARBON	40.97917	-75.81972	140	OPEN HOLE	25	25	DOMESTIC
8106				CARBON	40.98139	-75.81361					UNUSED
8107	WHITE WATER RAFTING	5/1/1982	AIR ROTARY	CARBON	40.98361	-75.78556	569	OPEN HOLE	200	43	OTHER
8108	YANC , ROBERT	7/8/1977	AIR ROTARY	CARBON	40.98444	-75.78583	225	OPEN HOLE	18	38	PUBLIC SUPPLY
8109	LESCO , JOSEPH	7/7/1977	AIR ROTARY	CARBON	40.98833	-75.78583	289	OPEN HOLE	12	32	PUBLIC SUPPLY
8112	US GEOLOGICAL SURVEY	6/26/1969	AIR ROTARY	CARBON	41.02306	-75.71500	125	OPEN HOLE	17.1	64.45	UNUSED
8118	MARTINIS , J		CABLE TOOL	CARBON	41.06250	-75.76889	78	OPEN HOLE		35	DOMESTIC
8123	HAZELTON CITY AUTH	5/22/1991	AIR ROTARY	CARBON	40.97056	-75.81389	270	OPEN HOLE	385	2.8	PUBLIC SUPPLY
8124	COOPER INDUSTRIES INC	11/13/1990	AIR ROTARY	CARBON	40.94500	-75.83056	39	SCREEN	29	10.6	OTHER
8125	COOPER INDUSTRIES INC	4/23/1991	AIR ROTARY	CARBON	40.94500	-75.83056	96	OPEN HOLE	31	10.9	UNUSED
8126	COOPER INDUSTRIES INC	10/25/1990	AIR ROTARY	CARBON	40.94417	-75.83139	15	OPEN HOLE	23	8.7	OTHER
8127	COOPER INDUSTRIES INC		OTHER/UNKNOWN	CARBON	40.94417	-75.83139	105	SCREEN	3	13.2	UNUSED
8128	COOPER INDUSTRIES INC	11/7/1990	AIR ROTARY	CARBON	40.94389	-75.82972	39	OPEN HOLE	6.4	9.96	OTHER
8129	COOPER INDUSTRIES INC	5/3/1991	AIR ROTARY	CARBON	40.94389	-75.82972	125	OPEN HOLE	12	20.2	UNUSED
8130	COOPER INDUSTRIES INC	4/23/1991	AIR ROTARY	CARBON	40.94472	-75.83028	40	OPEN HOLE	32.5	21	OTHER
8131	COOPER INDUSTRIES INC	11/2/1990	AIR ROTARY	CARBON	40.94583	-75.83111	38	OPEN HOLE			UNUSED
13912	MERVINE, R.	1/5/1978	OTHER/UNKNOWN	CLINTON	41.10028	-76.59917	170	OPEN HOLE	6	80	DOMESTIC
13927	DEPT OF EN VIRON RESO	1/22/1974	OTHER/UNKNOWN	COLUMBIA	40.77694	-76.37944	273	OPEN HOLE		54	UNUSED
13928	ROARING CK WATER CO.		OTHER/UNKNOWN	COLUMBIA	40.83583	-76.36556	302	UNKNOWN	400		PUBLIC SUPPLY
13929	CATAWISSA WATER AUTH			COLUMBIA	40.95056	-76.44917					PUBLIC SUPPLY
13930		1/1/1968		COLUMBIA	40.97500	-76.43444					DOMESTIC
13931	U.S. GEOL. SURVEY	8/21/1979	BORED OR AUGERED	COLUMBIA	40.98667	-76.47306		UNKNOWN			UNUSED
13932	U.S. GEOL. SURVEY	8/21/1979	BORED OR AUGERED	COLUMBIA	40.99000	-76.46889	40	SCREEN		12	UNUSED
13933				COLUMBIA	40.99306	-76.41611					DOMESTIC

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PA WELL ID	OWNER	DATE DRILLED	DRILLING METHOD	COUNTY	LATITUDE	LONGITUDE	WELL DEPTH (ft bgs)	WELL FINISH	WELL YIELD (gpm)	STATIC WATER LEVEL (ft bgs)	WATER USE
13934	BLOOMSBURG MILLS,INC	11/1/1964	CABLE TOOL	COLUMBIA	40.99583	-76.45833	420	OPEN HOLE	620	31.8421	AIR CONDITIONING
13935	MAGEE CARPET CO.		CABLE TOOL	COLUMBIA	40.99583	-76.46083	202	OPEN HOLE	185	42	INDUSTRIAL
13936	BLOOMSBURG MILLS,INC	7/1/1940	OTHER/UNKNOWN	COLUMBIA	40.99611	-76.45722	498	OPEN HOLE	542	25	AIR CONDITIONING
13937	BLOOMSBURG MILLS, IN	12/1/1944	CABLE TOOL	COLUMBIA	40.99667	-76.45611	550	OPEN HOLE		35	INDUSTRIAL
13938	ARCO	1/1/1980	OTHER/UNKNOWN	COLUMBIA	40.99917	-76.46528	30	UNKNOWN		15	OTHER
13939		1/1/1980	OTHER/UNKNOWN	COLUMBIA	40.99917	-76.46528	30	UNKNOWN		14	UNUSED
13940	AMOCO	12/3/1974	AIR ROTARY	COLUMBIA	41.00639	-76.43167	75	OPEN HOLE		5.26	DOMESTIC
13941	ISOLA	3/12/1970	AIR ROTARY	COLUMBIA	41.01028	-76.40389	75	UNKNOWN	12	20	DOMESTIC
13942	CRAWFORD, JOE	4/10/1976	AIR ROTARY	COLUMBIA	41.01111	-76.41361	47	OPEN HOLE	10	3.006993	DOMESTIC
13943	HILL, MARY	7/1/1978	OTHER/UNKNOWN	COLUMBIA	41.01167	-76.45778	173	OPEN HOLE		33.2	DOMESTIC
13944	KOONS, VENICE	3/4/1970	AIR ROTARY	COLUMBIA	41.01222	-76.40111	53	OPEN HOLE	30	15	DOMESTIC
13945	U.S. RADIUM CORP.	2/1/1979	AIR ROTARY	COLUMBIA	41.01583	-76.37611	37	PERFORATED			UNUSED
13946	MECKLEY, DONALD	1/21/1967	AIR ROTARY	COLUMBIA	41.01944	-76.43139	280	OPEN HOLE	8	60	DOMESTIC
13947	KREAMER, JIM	10/1/1974	CABLE TOOL	COLUMBIA	41.01972	-76.46778	125	OPEN HOLE	10	100	DOMESTIC
13948	YORTY, CINDY	5/30/1980	AIR ROTARY	COLUMBIA	41.02111	-76.35750	175	OPEN HOLE		13	DOMESTIC
13949	WAGNER, CLAIRE	8/15/1972	CABLE TOOL	COLUMBIA	41.02139	-76.35472	60	OPEN HOLE	14		DOMESTIC
13950	U.S. GEOLOGICAL SURVEY	10/6/1980	AIR ROTARY	COLUMBIA	41.02222	-76.35861	125	OPEN HOLE	25		DOMESTIC
13951	BLOOMSBURG CARPET IN	1/1/1977	OTHER/UNKNOWN	COLUMBIA	41.02306	-76.37417	40	UNKNOWN		10.1	INDUSTRIAL
13952	MARTZ, ALLEN	8/21/1967	AIR ROTARY	COLUMBIA	41.02306	-76.50667	120	OPEN HOLE	5	25	DOMESTIC
13953	HOLDREN, ROBERT	8/17/1966	AIR ROTARY	COLUMBIA	41.02389	-76.37417	95	UNKNOWN	12	1	DOMESTIC
13954	JOHNSON, J.	10/9/1972	CABLE TOOL	COLUMBIA	41.02417	-76.35278	70	OPEN HOLE	30		DOMESTIC
13955		1/1/1980		COLUMBIA	41.02556	-76.45444					DOMESTIC
13956				COLUMBIA	41.02556	-76.45556					DOMESTIC
13957	YOUNG, GERALD B	9/29/1966	CABLE TOOL	COLUMBIA	41.02611	-76.33722	63	OPEN HOLE		25.2	DOMESTIC
13958	WOLF JOHN	1/1/1880	DUG	COLUMBIA	41.02611	-76.37222	25	UNKNOWN		13.2	UNUSED
13959	RUPERT, HELEN	6/1/1981	OTHER/UNKNOWN	COLUMBIA	41.02722	-76.33806	106	OPEN HOLE	5	30.4	DOMESTIC
13960	RUPERT, HELEN	7/1/1981	OTHER/UNKNOWN	COLUMBIA	41.02722	-76.33806	90	OPEN HOLE	3	33.8	DOMESTIC
13961	COL-MONT VO-TECH	9/1/1967	AIR ROTARY	COLUMBIA	41.02889	-76.36222	155	OPEN HOLE		53	PUBLIC SUPPLY
13962	POLORON	7/18/1970	OTHER/UNKNOWN	COLUMBIA	41.02917	-76.34639	300	OPEN HOLE		34	INDUSTRIAL

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PA WELL ID	OWNER	DATE DRILLED	DRILLING METHOD	COUNTY	LATITUDE	LONGITUDE	WELL DEPTH (ft bgs)	WELL FINISH	WELL YIELD (gpm)	STATIC WATER LEVEL (ft bgs)	WATER USE
13963	BELLES DAVID	9/10/1975	CABLE TOOL	COLUMBIA	41.02944	-76.33611	80	OPEN HOLE	10		DOMESTIC
13964	WELLIVER, CARL	4/11/1967	AIR ROTARY	COLUMBIA	41.02972	-76.47639	175	OPEN HOLE		44.4	DOMESTIC
13965	HUBER, RICHARD	4/22/1976	AIR ROTARY	COLUMBIA	41.03028	-76.33806	225	OPEN HOLE		30.9	DOMESTIC
13966	COLUMBIA DEV. AUTH.	10/1/1977		COLUMBIA	41.03083	-76.33028	25				UNUSED
13967		1/1/1930	OTHER/UNKNOWN	COLUMBIA	41.03111	-76.42472	145	OPEN HOLE	20	30	DOMESTIC
13968	U.S. GEOL. SURVEY	10/9/1980	AIR ROTARY	COLUMBIA	41.03250	-76.30250	68	PERFORATED		32.9	UNUSED
13969	HAUSE, WALTER	6/13/1979	AIR ROTARY	COLUMBIA	41.03250	-76.32528	80	OPEN HOLE		49.8	DOMESTIC
13970	HORECK, JOHN	10/23/1973	AIR ROTARY	COLUMBIA	41.03306	-76.32417	100	OPEN HOLE	7		DOMESTIC
13971	TURNER, CHARLES A	8/31/1966	AIR ROTARY	COLUMBIA	41.03444	-76.47528	255	OPEN HOLE	2	67	DOMESTIC
13972	U.S. GEOL. SURVEY	10/7/1980	AIR ROTARY	COLUMBIA	41.03667	-76.29722	200	OPEN HOLE		28.2	OTHER
13973	BAFILE, BENARD	1/1/1978	AIR ROTARY	COLUMBIA	41.03778	-76.37917	174	OPEN HOLE	3.5	37.05556	DOMESTIC
13975	BOTKE, WILLIAM		OTHER/UNKNOWN	COLUMBIA	41.04083	-76.41472	200	UNKNOWN	70		DOMESTIC
13976	U.S. GEOL. SURVEY	10/13/1980	AIR ROTARY	COLUMBIA	41.04167	-76.27083	53	PERFORATED	6		UNUSED
13977	WERTMAN HAROLD		DUG	COLUMBIA	41.04222	-76.28889	30	UNKNOWN		17.6	DOMESTIC
13978	U.S. GEOL. SURVEY	10/10/1980	AIR ROTARY	COLUMBIA	41.04333	-76.27139	300	OPEN HOLE		37.5	OTHER
13979	BRIAR HTS. LODGE	2/18/1976	AIR ROTARY	COLUMBIA	41.04389	-76.30722	414	OPEN HOLE	200	19	COMMERCIAL
13980	MIFFLIN TWP WATER	1/1/1971	OTHER/UNKNOWN	COLUMBIA	41.04500	-76.29306	62	GRAVEL PAC		29.6	PUBLIC SUPPLY
13980	MIFFLIN TWP WATER	1/1/1971	OTHER/UNKNOWN	COLUMBIA	41.04500	-76.29306	62	OPEN HOLE		29.6	PUBLIC SUPPLY
13981	SITLER, ARDEN	4/9/1970	AIR ROTARY	COLUMBIA	41.04917	-76.34056	175	OPEN HOLE	8		DOMESTIC
13982	PENNDOT	1/1/1977		COLUMBIA	41.05167	-76.23111					UNUSED
13983	PENNDOT	1/1/1977		COLUMBIA	41.05167	-76.23111					UNUSED
13984	PENNDOT	1/1/1977	OTHER/UNKNOWN	COLUMBIA	41.05194	-76.23139		UNKNOWN			UNUSED
13985	PENNDOT	1/1/1977	OTHER/UNKNOWN	COLUMBIA	41.05222	-76.23167		UNKNOWN			UNUSED
13986	PENNDOT	1/1/1977	OTHER/UNKNOWN	COLUMBIA	41.05222	-76.23167		UNKNOWN			UNUSED
13987	ALLEY, JOSEPH E	11/28/1972	AIR ROTARY	COLUMBIA	41.05222	-76.26722	75	OPEN HOLE		21.9	DOMESTIC
13988	PENNDOT	1/1/1977	OTHER/UNKNOWN	COLUMBIA	41.05250	-76.23194		UNKNOWN			UNUSED
13989	PENNDOT	1/1/1977	OTHER/UNKNOWN	COLUMBIA	41.05278	-76.23222		UNKNOWN			UNUSED
13990	PENNDOT	1/1/1977	OTHER/UNKNOWN	COLUMBIA	41.05333	-76.23278		UNKNOWN			UNUSED
13991	PENNDOT	1/1/1977	OTHER/UNKNOWN	COLUMBIA	41.05361	-76.23278		UNKNOWN			UNUSED
13992	PENNDOT	1/1/1977	OTHER/UNKNOWN	COLUMBIA	41.05389	-76.23306		UNKNOWN			UNUSED
13993	PENNDOT	1/1/1977	OTHER/UNKNOWN	COLUMBIA	41.05417	-76.23333		UNKNOWN			UNUSED
13994	PENNDOT	1/1/1977	OTHER/UNKNOWN	COLUMBIA	41.05417	-76.23333		UNKNOWN			UNUSED

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Table 2.3-33 {Groundwater Wells Located within a 25 Mile (40-km) Radius of BBNPP (Listed in Pennsylvania Groundwater Information System)}

PA WELL ID	OWNER	DATE DRILLED	DRILLING METHOD	COUNTY	LATITUDE	LONGITUDE	WELL DEPTH (ft bgs)	WELL FINISH	WELL YIELD (gpm)	STATIC WATER LEVEL (ft bgs)	WATER USE
13995	POWLUS	1/1/1971	AIR ROTARY	COLUMBIA	41.05556	-76.32722	40	OPEN END		8.85	DOMESTIC
13996	HORNBERGER C.	2/7/1971	AIR ROTARY	COLUMBIA	41.05611	-76.32917	50	OPEN HOLE	20		DOMESTIC
13997	POWLUS, JAMES	2/16/1971	AIR ROTARY	COLUMBIA	41.05667	-76.32917	50	UNKNOWN	20	12	DOMESTIC
13998	TRAUGH JESSE G	10/17/1967	CABLE TOOL	COLUMBIA	41.05806	-76.30167	93	OPEN HOLE		7	DOMESTIC
13999	STRAUSSER CARL	1/1/1958	OTHER/UNKNOWN	COLUMBIA	41.05889	-76.30167	85	OPEN HOLE		15.9	DOMESTIC
14000	DIBATTISTA JOHN	4/28/1975	AIR ROTARY	COLUMBIA	41.06028	-76.25000	100	OPEN HOLE	10	35.91865	DOMESTIC
14001	KULF, NELSON	5/6/1967	CABLE TOOL	COLUMBIA	41.06028	-76.32861	65	UNKNOWN	10	28	DOMESTIC
14002	ROBBINS, LILLIAN	8/13/1974	AIR ROTARY	COLUMBIA	41.06111	-76.30250	75	OPEN HOLE	20	15	DOMESTIC
14003	DENNIS, BERTIE	5/10/1967	CABLE TOOL	COLUMBIA	41.06194	-76.31889	46	UNKNOWN	9	7	DOMESTIC
14004	KELCHNER, RALPH H	11/4/1972	AIR ROTARY	COLUMBIA	41.06306	-76.30056	75	OPEN HOLE	14	23	DOMESTIC
14005	SHEATLER	4/21/1976	AIR ROTARY	COLUMBIA	41.06417	-76.32861	150	OPEN HOLE	15		DOMESTIC
14006	SHEATLER, CHARLES	1/1/1971	OTHER/UNKNOWN	COLUMBIA	41.06444	-76.33083	100	OPEN HOLE		27.3	UNUSED
14007	SHEATLER CHARLES L	1/1/1976	OTHER/UNKNOWN	COLUMBIA	41.06444	-76.33083	200	OPEN HOLE		35.7	DOMESTIC
14008	WEAVER	11/11/1976	AIR ROTARY	COLUMBIA	41.06528	-76.32889	100	OPEN HOLE	8		DOMESTIC
14009	WEAVER, ORVIL	8/18/1972	AIR ROTARY	COLUMBIA	41.06583	-76.32833	100	OPEN HOLE	5	50	DOMESTIC
14010	WEAVER, ORVIL	7/25/1972	AIR ROTARY	COLUMBIA	41.06583	-76.32889	75	OPEN HOLE	6	8	DOMESTIC
14011	MAGRONE, JOHN	1/1/1981	DUG	COLUMBIA	41.06806	-76.25667	30	WALLED		23.1	UNUSED
14012	MAGRONE, JOHN	9/25/1979	CABLE TOOL	COLUMBIA	41.06806	-76.25667	67	OPEN HOLE		28.3	DOMESTIC
14013	SLOVIC	7/31/1975	AIR ROTARY	COLUMBIA	41.06806	-76.31417	100	OPEN HOLE		36.3	DOMESTIC
14014	TYSON, D.	6/1/1977	OTHER/UNKNOWN	COLUMBIA	41.06889	-76.30444	150	OPEN HOLE		50.8	DOMESTIC
14015	COX, JAMES		OTHER/UNKNOWN	COLUMBIA	41.06944	-76.38861		OPEN HOLE		18.3	DOMESTIC
14016	ESKIN	6/13/1967	AIR ROTARY	COLUMBIA	41.07444	-76.26306	133	OPEN HOLE	10		DOMESTIC
14017	HECKMAN, DREW	8/16/1968	AIR ROTARY	COLUMBIA	41.07667	-76.24333	75	OPEN HOLE	12		DOMESTIC
14018	KISHBAUGH, RANDALL C	11/1/1978	AIR ROTARY	COLUMBIA	41.07694	-76.24722	150	OPEN HOLE		31.1	DOMESTIC
14019	KISHBAUGH	10/14/1975	AIR ROTARY	COLUMBIA	41.07750	-76.24750	100	OPEN HOLE		44.1	DOMESTIC
14020	KECK, THELMA	8/10/1972	AIR ROTARY	COLUMBIA	41.08306	-76.29889	125	OPEN HOLE	7	48	DOMESTIC
14021	FINK, EDWARD	5/26/1971	AIR ROTARY	COLUMBIA	41.08333	-76.34722	100	OPEN HOLE	15	25	DOMESTIC
14022	NORPOLE		AIR ROTARY	COLUMBIA	41.08972	-76.40778	33	UNKNOWN	50	13	DOMESTIC
14023	CLEAVER, FRED, JR.	7/20/1968	CABLE TOOL	COLUMBIA	41.10111	-76.37889	47	OPEN HOLE	20	18	DOMESTIC
14024	HEAPS, TED	1/1/1980	AIR ROTARY	COLUMBIA	41.10306	-76.55278	500	OPEN HOLE	1	18.1	DOMESTIC
14025	STERNER, RUTH	7/1/1967	CABLE TOOL	COLUMBIA	41.11111	-76.36278	28	UNKNOWN	20	10	DOMESTIC
14026	CAMP LOUISE	1/1/1969		COLUMBIA	41.11778	-76.27083				32	DOMESTIC

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Table 2.3-33 {Groundwater Wells Located within a 25 Mile (40-km) Radius of BBNPP (Listed in Pennsylvania Groundwater Information System)}

PA WELL ID	OWNER	DATE DRILLED	DRILLING METHOD	COUNTY	LATITUDE	LONGITUDE	WELL DEPTH (ft bgs)	WELL FINISH	WELL YIELD (gpm)	STATIC WATER LEVEL (ft bgs)	WATER USE
14027	MILLVILLE WATER AUTH		TRENCHING	COLUMBIA	41.12111	-76.53500	12	WALLED	60		PUBLIC SUPPLY
14028			DUG	COLUMBIA	41.12222	-76.53472	10	WALLED			PUBLIC SUPPLY
14029	MILLVILLE WATER AUTH	1/1/1953	CABLE TOOL	COLUMBIA	41.12306	-76.53472	500	OPEN HOLE	60		PUBLIC SUPPLY
14030	VERNON BANGS	10/6/1930	CABLE TOOL	COLUMBIA	41.13583	-76.47528	90	OPEN HOLE	3	20	DOMESTIC
14031	BENTON WATER SUPPLY CO.	10/4/1930	DUG	COLUMBIA	41.19472	-76.39139	10	WALLED	830	5	PUBLIC SUPPLY
14032		4/1/1923	CABLE TOOL	COLUMBIA	41.19639	-76.38278	44	OPEN END	140	10	INDUSTRIAL
14033	CATAWISSA WATER AUTH		CABLE TOOL	COLUMBIA	40.94972	-76.45028	375	OPEN HOLE		14.3	PUBLIC SUPPLY
14034	SLUSSER WILLIAM		OTHER/UNKNOWN	COLUMBIA	40.98028	-76.42806	120	OPEN HOLE	7	42.7	DOMESTIC
14035	SATO, HITOSHI	10/1/1981	CABLE TOOL	COLUMBIA	40.98139	-76.42556	151	OPEN HOLE	20		DOMESTIC
14036	LAIDACKER, CRAIG	10/18/1966	CABLE TOOL	COLUMBIA	41.01722	-76.49917	63	OPEN HOLE	10	34	DOMESTIC
14037	WELLIVER CARL		DUG	COLUMBIA	41.03056	-76.47778		WALLED		2.94	DOMESTIC
14038	CAMP LOUISE	4/21/1969	AIR ROTARY	COLUMBIA	41.11556	-76.26972	150	OPEN HOLE	8		DOMESTIC
14039	WRIGHT, JERRE		OTHER/UNKNOWN	COLUMBIA	41.11833	-76.53000	512	UNKNOWN		5.8	UNUSED
14040	LUPINI		OTHER/UNKNOWN	COLUMBIA	41.03694	-76.28694	65	UNKNOWN		52.5	DOMESTIC
14041	BELL TEL., CO.	11/18/1974	AIR ROTARY	COLUMBIA	40.99694	-76.48472	350	OPEN HOLE		-2	COMMERCIAL
14042	MCGINLEY, WILLIAM	1/1/1977	OTHER/UNKNOWN	COLUMBIA	40.99694	-76.51722	125	UNKNOWN		29.5	DOMESTIC
14043	GIRTON, KENNETH	1/1/1974	OTHER/UNKNOWN	COLUMBIA	40.99694	-76.55361	115	UNKNOWN			DOMESTIC
14044	FRITZ, JEFF	1/1/1980	AIR ROTARY	COLUMBIA	40.99722	-76.48167	125	OPEN HOLE	5	12.9	DOMESTIC
14045	MOUREY, BEN	1/1/1969	OTHER/UNKNOWN	COLUMBIA	40.99833	-76.53361	190	UNKNOWN			DOMESTIC
14046	WONDERVIEW WATER CO.	1/4/1967	OTHER/UNKNOWN	COLUMBIA	40.99861	-76.41000	395	OPEN HOLE	30	35	PUBLIC SUPPLY
14047	KAWNEER, INC.		AIR ROTARY	COLUMBIA	40.99861	-76.43778	355	OPEN HOLE	20	30	INDUSTRIAL
14048	ARCO	8/1/1980	OTHER/UNKNOWN	COLUMBIA	40.99917	-76.46528	30	UNKNOWN	10	20.3	UNUSED
14049	ARCO	8/1/1980	OTHER/UNKNOWN	COLUMBIA	40.99917	-76.46528	68	UNKNOWN	175	18.7	UNUSED
14050	KAWNEER, INC.	12/19/1966	AIR ROTARY	COLUMBIA	41.00000	-76.43833	415	OPEN HOLE		6.69	INDUSTRIAL
14051	COOMBS, WILLIAM		CABLE TOOL	COLUMBIA	41.00028	-76.44889	360	OPEN HOLE		21.9	COMMERCIAL
14051	COOMBS, WILLIAM		OTHER/UNKNOWN	COLUMBIA	41.00028	-76.44889	360	UNKNOWN		21.9	COMMERCIAL
14052	HOWERS		DUG	COLUMBIA	41.00278	-76.46389	18.8	WALLED		11	DOMESTIC
14053	MOWERY, CY	12/8/1966	OTHER/UNKNOWN	COLUMBIA	41.00667	-76.23444	85	OPEN HOLE	30	45	DOMESTIC
14054	DIEHL, B.	6/1/1977	AIR ROTARY	COLUMBIA	41.00694	-76.31389	150	OPEN HOLE	5		DOMESTIC
14055	PENNDOT	5/23/1966	OTHER/UNKNOWN	COLUMBIA	41.00778	-76.25194	80	UNKNOWN	30	32.35294	DOMESTIC
14056	DIEHL, PETE	6/1/1977	OTHER/UNKNOWN	COLUMBIA	41.00778	-76.31361	165	OPEN HOLE		48.2	DOMESTIC

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PA WELL ID	OWNER	DATE DRILLED	DRILLING METHOD	COUNTY	LATITUDE	LONGITUDE	WELL DEPTH (ft bgs)	WELL FINISH	WELL YIELD (gpm)	STATIC WATER LEVEL (ft bgs)	WATER USE
14057	SYNDER, R. D	1/1/1973	OTHER/UNKNOWN	COLUMBIA	41.00806	-76.52250	147	UNKNOWN		26.8	DOMESTIC
14058	SNYDER R.	1/1/1973	OTHER/UNKNOWN	COLUMBIA	41.00833	-76.52194	147	UNKNOWN		26.8	DOMESTIC
14059	U.S. GEOL. SURVEY	6/23/1970	AIR ROTARY	COLUMBIA	41.00917	-76.44694	282	UNKNOWN		83.6	UNUSED
14060	PENNDOT	6/8/1966	CABLE TOOL	COLUMBIA	41.00972	-76.24806	80	OPEN HOLE	50	7	DOMESTIC
14061	HASKELL, KENNETH	4/23/1969	AIR ROTARY	COLUMBIA	41.01000	-76.24333	75	OPEN HOLE	30		DOMESTIC
14062	MIFFLIN TWP. WATER		AIR ROTARY	COLUMBIA	41.01139	-76.30306	310	OPEN HOLE	7	43.25	PUBLIC SUPPLY
14063	BREISCH, G.	4/1/1978	OTHER/UNKNOWN	COLUMBIA	41.01194	-76.35250	200	OPEN HOLE	6		DOMESTIC
14064	LIBERTY CHEVROLET		OTHER/UNKNOWN	COLUMBIA	41.01194	-76.41611		OPEN HOLE	20	11.1	DOMESTIC
14065	SCHELL, LEE	4/20/1976	AIR ROTARY	COLUMBIA	41.01278	-76.23611	125	OPEN HOLE	22	40	DOMESTIC
14066	GRANT, MIKE	1/1/1981	OTHER/UNKNOWN	COLUMBIA	41.01306	-76.23472	300	UNKNOWN		67.3	DOMESTIC
14067	BOBRASKI, MICHAEL	3/1/1977	AIR ROTARY	COLUMBIA	41.01361	-76.23417	135	OPEN HOLE	10	60	DOMESTIC
14068	DERR, GORDON	5/10/1971	AIR ROTARY	COLUMBIA	41.01417	-76.26361	150	OPEN HOLE	20		DOMESTIC
14069	MARIANO CONST. CO.	6/1/1981	AIR ROTARY	COLUMBIA	41.01417	-76.41806	73	UNKNOWN	20		DOMESTIC
14070	U.S. GEOL. SURVEY	8/14/1979	BORED OR AUGERED	COLUMBIA	41.01528	-76.31000		UNKNOWN			UNUSED
14071	U.S. RADIUM CORP	2/14/1979	AIR ROTARY	COLUMBIA	41.01583	-76.37611	35	PERFORATED			UNUSED
14072	U.S. RADIUM CORP.	2/20/1979	AIR ROTARY	COLUMBIA	41.01583	-76.37611	35	PERFORATED			UNUSED
14073	QUALITY INN	5/2/1973	AIR ROTARY	COLUMBIA	41.01611	-76.49250	179	OPEN HOLE		69	COMMERCIAL
14074	WAGNER, EUGENE	1/1/1966	OTHER/UNKNOWN	COLUMBIA	41.01639	-76.53917	300	UNKNOWN		48.8	COMMERCIAL
14075	PAYNE, ARLEN	6/18/1974	AIR ROTARY	COLUMBIA	41.01833	-76.24639	165	OPEN HOLE	10		DOMESTIC
14076	FRACE, GARY	5/18/1970	AIR ROTARY	COLUMBIA	41.01833	-76.26333	150	OPEN HOLE	6		DOMESTIC
14077	WILKES POOLS		OTHER/UNKNOWN	COLUMBIA	41.01917	-76.27306		OPEN HOLE	80		COMMERCIAL
14078	WHITMORE, GLEN	4/22/1970	AIR ROTARY	COLUMBIA	41.01944	-76.25139	90	OPEN HOLE	10		DOMESTIC
14079	BLOOMSBURG WATER CO.	8/10/1967	OTHER/UNKNOWN	COLUMBIA	41.01944	-76.36861	500	OPEN HOLE		28	PUBLIC SUPPLY
14080	MAUSTELLER E.		DUG	COLUMBIA	41.01944	-76.50139	65	UNKNOWN		54.2	DOMESTIC
14081	LEVAN, JOSEPH	12/5/1972	CABLE TOOL	COLUMBIA	41.02028	-76.50194	75	OPEN HOLE	17		DOMESTIC
14082	HYDE, JAMES	10/10/1974	AIR ROTARY	COLUMBIA	41.02139	-76.27417	175	OPEN HOLE		64.2	DOMESTIC
14083	BUCH, HAROLD	1/1/1979	AIR ROTARY	COLUMBIA	41.02139	-76.43000	300	OPEN HOLE		110	DOMESTIC
14084	SCERBO MEDICAL CENTE	11/1/1981	AIR ROTARY	COLUMBIA	41.02222	-76.42167	198	OPEN HOLE	15		DOMESTIC
14085	BLOOMSBURG CARPET	8/17/1966	OTHER/UNKNOWN	COLUMBIA	41.02278	-76.37417	95	UNKNOWN	40	0	INDUSTRIAL
14086	U.S. GEOL SURVEY	8/14/1979	BORED OR AUGERED	COLUMBIA	41.02472	-76.32111	37	SCREEN		20.3	UNUSED

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Table 2.3-33 {Groundwater Wells Located within a 25 Mile (40-km) Radius of BBNPP (Listed in Pennsylvania Groundwater Information System)}

PA WELL ID	OWNER	DATE DRILLED	DRILLING METHOD	COUNTY	LATITUDE	LONGITUDE	WELL DEPTH (ft bgs)	WELL FINISH	WELL YIELD (gpm)	STATIC WATER LEVEL (ft bgs)	WATER USE
14087	JONES, WILLIAM R			COLUMBIA	41.02472	-76.35361				19.8	DOMESTIC
14088	SWEENY SCOTT		DUG	COLUMBIA	41.02500	-76.34528	34	WALLED		33.5	DOMESTIC
14089	SWEENY SCOTT		OTHER/UNKNOWN	COLUMBIA	41.02500	-76.34528	110	OPEN HOLE		38.2	DOMESTIC
14090	EYERLY, PAUL	1/1/1978	OTHER/UNKNOWN	COLUMBIA	41.02528	-76.42722	315	OPEN HOLE	2	90	DOMESTIC
14091	VANCE, JAMES		OTHER/UNKNOWN	COLUMBIA	41.02556	-76.42806		OPEN HOLE		57.3	DOMESTIC
14092	COLUMBIA COUNTY 7	1/16/1974	OTHER/UNKNOWN	COLUMBIA	41.02583	-76.46222	125	OPEN HOLE	15		UNUSED
14093	KEEFER, CHARMAINE	7/26/1968	CABLE TOOL	COLUMBIA	41.02611	-76.31056	55	OPEN HOLE	20	19	DOMESTIC
14094	SWISHER, GARY E			COLUMBIA	41.02611	-76.35444				19.2	DOMESTIC
14095	CHAMPION VALLEY FMS.	1/1/1963	OTHER/UNKNOWN	COLUMBIA	41.02694	-76.35028	550	UNKNOWN	250		INDUSTRIAL
14096	RUPERT, HELEN		OTHER/UNKNOWN	COLUMBIA	41.02722	-76.33806	120	OPEN HOLE		32.4	DOMESTIC
14097	RUPERT HELEN		DUG	COLUMBIA	41.02722	-76.33806	33	UNKNOWN		20.5	DOMESTIC
14098	CHAMPION VALLEY FMS	1/1/1963	OTHER/UNKNOWN	COLUMBIA	41.02722	-76.34944	268	UNKNOWN	80	47.5	INDUSTRIAL
14099	CHAMPION VALLEY FMS	1/1/1964	OTHER/UNKNOWN	COLUMBIA	41.02722	-76.35056	600	UNKNOWN	440		INDUSTRIAL
14100	CHAMPION VALLEY FMS	7/1/1981	AIR ROTARY	COLUMBIA	41.02722	-76.35389	155	OPEN HOLE		26.9	INDUSTRIAL
14101	COLUMBIA COUNTY 8	1/18/1974	AIR ROTARY	COLUMBIA	41.02722	-76.45472	200	UNKNOWN		77.9	UNUSED
14102	CHAMPION VALLEY FMS	6/7/1968	OTHER/UNKNOWN	COLUMBIA	41.02750	-76.35056	500	UNKNOWN	218	25	INDUSTRIAL
14103	CHAMPION VALLEY FMS	8/18/1981	AIR ROTARY	COLUMBIA	41.02750	-76.35389	570	UNKNOWN		15.9	INDUSTRIAL
14104	COLUMBIA COUNTY 4			COLUMBIA	41.02750	-76.45722			9	102	DOMESTIC
14105	BAKER TRAILER PK			COLUMBIA	41.02806	-76.36000				14.1	PUBLIC SUPPLY
14106	MAGEE JAMES		OTHER/UNKNOWN	COLUMBIA	41.02806	-76.40194	73	OPEN HOLE		43.4	DOMESTIC
14107	HOCK, GARY	1/1/1979	AIR ROTARY	COLUMBIA	41.02833	-76.46306		OPEN HOLE		25.2	DOMESTIC
14108	PA. POWER AND LIGHT		CABLE TOOL	COLUMBIA	41.02861	-76.41139	200	OPEN HOLE	12.5	6	COMMERCIAL
14109	LIGHTSTRT. GRANGE	1/1/1929	OTHER/UNKNOWN	COLUMBIA	41.02972	-76.42472	145	UNKNOWN	3	29.8	DOMESTIC
14110	COLUMBIA COUNTY 5	1/15/1974	AIR ROTARY	COLUMBIA	41.02972	-76.45194	170	UNKNOWN		54	UNUSED
14111	COLUMBIA COUNTY 6	1/11/1974	AIR ROTARY	COLUMBIA	41.02972	-76.45889	190	UNKNOWN	11	114	UNUSED
14112	KRUM, ROBERT		OTHER/UNKNOWN	COLUMBIA	41.03083	-76.32806	54	OPEN HOLE			DOMESTIC
14113	COLUMBIA COUNTY 1	1/24/1974	OTHER/UNKNOWN	COLUMBIA	41.03111	-76.45389	220	UNKNOWN		120	UNUSED
14114	SHAFFER, THOMAS	1/1/1980		COLUMBIA	41.03111	-76.46139				63.9	DOMESTIC
14115	PFLEEGOR, BARBARA	1/10/1973	AIR ROTARY	COLUMBIA	41.03194	-76.46333	31	OPEN HOLE		6.2	DOMESTIC
14116	HUDELSON FOSTER		DUG	COLUMBIA	41.03250	-76.30306	35	UNKNOWN		32.4	DOMESTIC
14117	SHRADER, DON	12/18/1967	OTHER/UNKNOWN	COLUMBIA	41.03250	-76.30333	120	OPEN HOLE	12		DOMESTIC
14118	COLUMBIA DEV. AUTH.	10/11/1977	OTHER/UNKNOWN	COLUMBIA	41.03278	-76.33361	25	UNKNOWN			UNUSED

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14119	U.S. GEOL. SURVEY	8/15/1979	BORED OR AUGERED	COLUMBIA	41.03306	-76.31111	47	SCREEN		23.7	UNUSED
14120	U.S. GEOL. SURVEY	8/17/1979	BORED OR AUGERED	COLUMBIA	41.03361	-76.30194		UNKNOWN			UNUSED
14121	YODER, RICHARD L	11/22/1974	AIR ROTARY	COLUMBIA	41.03389	-76.22972	100	OPEN HOLE	6		DOMESTIC
14122	LUPINI R.		OTHER/UNKNOWN	COLUMBIA	41.03389	-76.30250	69	OPEN HOLE	4.9	38.9	DOMESTIC
14123	COLUMBIA CO. DEV.	1/1/1970	OTHER/UNKNOWN	COLUMBIA	41.03444	-76.32583	248	UNKNOWN		32.3	INDUSTRIAL
14124	DICKSON D.	10/7/1977	OTHER/UNKNOWN	COLUMBIA	41.03472	-76.35833	173	OPEN HOLE		102	DOMESTIC
14125	HOCK		OTHER/UNKNOWN	COLUMBIA	41.03472	-76.40472		OPEN HOLE		13.8	DOMESTIC
14126	HOCK		OTHER/UNKNOWN	COLUMBIA	41.03472	-76.40722		OPEN HOLE		37.5	DOMESTIC
14127	U.S. GEOL. SURVEY	8/15/1979	BORED OR AUGERED	COLUMBIA	41.03528	-76.30389		OTHER			UNUSED
14128	U.S. GEOL. SURVEY	8/16/1979	BORED OR AUGERED	COLUMBIA	41.03528	-76.30583		OTHER			UNUSED
14129	COLUMBIA DEV. AUTH.	10/5/1977	OTHER/UNKNOWN	COLUMBIA	41.03528	-76.32083	25	UNKNOWN			UNUSED
14130	COLUMBIA CO. DEV.	1/1/1970	OTHER/UNKNOWN	COLUMBIA	41.03528	-76.32583	273	UNKNOWN	85	22.97521	INDUSTRIAL
14131	COLUMBIA DEV. AUTH.	10/12/1977	OTHER/UNKNOWN	COLUMBIA	41.03639	-76.32194	25	UNKNOWN			UNUSED
14132	U.S. GEOL. SURVEY	8/16/1979	BORED OR AUGERED	COLUMBIA	41.03694	-76.29528	62	SCREEN		21.6	UNUSED
14133	SCENIC KNOLLS	1/1/1950	OTHER/UNKNOWN	COLUMBIA	41.03722	-76.33028	190	OPEN HOLE	8		PUBLIC SUPPLY
14134	THOMAS, WILLARD	1/1/1956	OTHER/UNKNOWN	COLUMBIA	41.03722	-76.42444	68	UNKNOWN			DOMESTIC
14135	SCENIC KNOLLS	1/1/1964	OTHER/UNKNOWN	COLUMBIA	41.03750	-76.33028	402	UNKNOWN	5		PUBLIC SUPPLY
14136	SCHULTZ ELECTROPLT	6/12/1973	AIR ROTARY	COLUMBIA	41.03778	-76.36889	390	OPEN HOLE	9	40	INDUSTRIAL
14137	SHULTZ ELECTROPLT	6/14/1973	AIR ROTARY	COLUMBIA	41.03778	-76.36889	495	OPEN HOLE	5	40	INDUSTRIAL
14138	MICHAEL, ROLAND	1/1/1940	OTHER/UNKNOWN	COLUMBIA	41.03889	-76.37778	115	OPEN HOLE		45.1	DOMESTIC
14139	NEYHARD ROBERT		OTHER/UNKNOWN	COLUMBIA	41.03917	-76.36361	215	OPEN HOLE	15	50	DOMESTIC
14140	THOMAS, DONALD	1/5/1973	CABLE TOOL	COLUMBIA	41.03944	-76.41444	151	OPEN HOLE	14		DOMESTIC
14141	BEERS, ROBERT		OTHER/UNKNOWN	COLUMBIA	41.03972	-76.42889	66	UNKNOWN	30	5	DOMESTIC
14142	FRANZ, E.O., SR.	1/1/1960		COLUMBIA	41.04028	-76.38028					DOMESTIC
14143	SCENIC KNOLLS		AIR ROTARY	COLUMBIA	41.04056	-76.32556	415	OPEN HOLE	8	80	PUBLIC SUPPLY
14144	TRUESDALE, STEVE	1/1/1978	CABLE TOOL	COLUMBIA	41.04194	-76.41694	100	PERFORATED		43.7	DOMESTIC
14145	WERTMAN, HAROLD	1/25/1975	AIR ROTARY	COLUMBIA	41.04222	-76.28889	70	UNKNOWN		16.5	DOMESTIC

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Table 2.3-33 {Groundwater Wells Located within a 25 Mile (40-km) Radius of BBNPP (Listed in Pennsylvania Groundwater Information System)}

PA WELL ID	OWNER	DATE DRILLED	DRILLING METHOD	COUNTY	LATITUDE	LONGITUDE	WELL DEPTH (ft bgs)	WELL FINISH	WELL YIELD (gpm)	STATIC WATER LEVEL (ft bgs)	WATER USE
14146	STAUFFER, EVELYN	5/1/1973	AIR ROTARY	COLUMBIA	41.04222	-76.36917	120	OPEN HOLE	16		DOMESTIC
14147	KINGSTON	1/6/1975	AIR ROTARY	COLUMBIA	41.04250	-76.41583	125	OPEN HOLE	8		DOMESTIC
14148	ANDREZZI, LEW	3/17/1969	OTHER/UNKNOWN	COLUMBIA	41.04472	-76.23139	125	OPEN HOLE	10		DOMESTIC
14149	MIFFLIN TWP. WATER	4/3/1973	OTHER/UNKNOWN	COLUMBIA	41.04500	-76.29417	63	GRAVEL PAC	70	22	PUBLIC SUPPLY
14149	MIFFLIN TWP. WATER	4/3/1973	CABLE TOOL	COLUMBIA	41.04500	-76.29417	63	UNKNOWN	70	22	PUBLIC SUPPLY
14150	U.S. GEOL. SURVEY	8/17/1949	BORED OR AUGERED	COLUMBIA	41.04583	-76.29472		UNKNOWN			UNUSED
14151	URLICH	1/1/1978	AIR ROTARY	COLUMBIA	41.04583	-76.56278	175	OPEN HOLE	6	40.2	DOMESTIC
14152	KRUM, ROBERT	10/7/1980	OTHER/UNKNOWN	COLUMBIA	41.04750	-76.32806	120	OPEN HOLE	6		DOMESTIC
14153	RUCKLE, ROY	5/31/1975	CABLE TOOL	COLUMBIA	41.04778	-76.52917	30	OPEN HOLE	1	13.33333	DOMESTIC
14154	WENNER, HARRY	4/10/1977	AIR ROTARY	COLUMBIA	41.04806	-76.40583	223	OPEN HOLE		40	DOMESTIC
14155	RUCKLE, ROY	10/1/1960	OTHER/UNKNOWN	COLUMBIA	41.04806	-76.52750	80	OPEN HOLE			DOMESTIC
14156	U.S. GEOL. SURVEY	8/24/1979	BORED OR AUGERED	COLUMBIA	41.04833	-76.31306		UNKNOWN			UNUSED
14157	ECKROTE, ROBERT E	8/29/1968	CABLE TOOL	COLUMBIA	41.04861	-76.37083	47	OPEN HOLE	20	18	DOMESTIC
14158	RUCKLE, ROY	10/1/1978	AIR ROTARY	COLUMBIA	41.04889	-76.52778	40	OPEN HOLE			DOMESTIC
14159	HANEY, B. FRED	1/1/1969	CABLE TOOL	COLUMBIA	41.04944	-76.35639	81	OPEN HOLE		25	DOMESTIC
14160	U.S. GEOL. SURVEY	8/17/1979	BORED OR AUGERED	COLUMBIA	41.05028	-76.27917		UNKNOWN			UNUSED
14161	ST. PETERS CHURCH	4/13/1967	AIR ROTARY	COLUMBIA	41.05028	-76.30444	175	OPEN HOLE		114	DOMESTIC
14162	SAM'S AUTO SALES	1/1/1981		COLUMBIA	41.05139	-76.25861				38	DOMESTIC
14163	KEYSTONE WATER CO.	1/1/1957	OTHER/UNKNOWN	COLUMBIA	41.05194	-76.25889	473	UNKNOWN		37	PUBLIC SUPPLY
14164	THOMAS, ROBERT E	1/1/1976	AIR ROTARY	COLUMBIA	41.05222	-76.38944	125	OPEN HOLE		50.7	DOMESTIC
14165	KEYSTONE WATER CO.	1/1/1957	AIR ROTARY	COLUMBIA	41.05444	-76.23250	87	OPEN HOLE	1300	32.4	PUBLIC SUPPLY
14166	KEYSTONE WATER CO.	6/24/1957	OTHER/UNKNOWN	COLUMBIA	41.05444	-76.23278	90	UNKNOWN	1200	30.5	PUBLIC SUPPLY
14167	KEYSTONE WATER CO.	3/29/1957	AIR ROTARY	COLUMBIA	41.05500	-76.23278	160	OPEN HOLE	1300	31.9	PUBLIC SUPPLY
14168	WHITMEYER, R.	3/16/1979	OTHER/UNKNOWN	COLUMBIA	41.05500	-76.40028	400	OPEN HOLE	1		DOMESTIC
14169	SANDLER		AIR ROTARY	COLUMBIA	41.05639	-76.52111	240	OPEN HOLE		37	DOMESTIC
14170	DIEHL, MYRON M	5/1/1967	CABLE TOOL	COLUMBIA	41.05806	-76.58389	55	OPEN HOLE	6	19.42857	DOMESTIC
14171	ACORNLEY, GEORGE	3/20/1975	AIR ROTARY	COLUMBIA	41.05833	-76.36028	125	OPEN HOLE		28.7	DOMESTIC
14172	BOWERS, DAVID	4/23/1973	CABLE TOOL	COLUMBIA	41.05833	-76.54444	104	OPEN HOLE	6		DOMESTIC
14173	COLUMBIA ASPHALT CO			COLUMBIA	41.06111	-76.49444				60.7	COMMERCIAL

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PA WELL ID	OWNER	DATE DRILLED	DRILLING METHOD	COUNTY	LATITUDE	LONGITUDE	WELL DEPTH (ft bgs)	WELL FINISH	WELL YIELD (gpm)	STATIC WATER LEVEL (ft bgs)	WATER USE
14174	COLUMBIA ASPHALT CO			COLUMBIA	41.06111	-76.49583				29.4	DOMESTIC
14175	CONSOLIDATED CIGAR CORP	3/12/1957	OTHER/UNKNOWN	COLUMBIA	41.06139	-76.24083	284	OPEN HOLE	200		AIR CONDITIONING
14176	CONSOLIDATED CIGAR CORP	4/11/1957	OTHER/UNKNOWN	COLUMBIA	41.06139	-76.24194	151	OPEN HOLE			UNUSED
14177	WOLFE, GERALD	8/31/1968	CABLE TOOL	COLUMBIA	41.06167	-76.32444	40	OPEN HOLE	10	2	DOMESTIC
14178	ORTMAN		OTHER/UNKNOWN	COLUMBIA	41.06167	-76.52778		UNKNOWN		31.3	DOMESTIC
14179	ORTMAN, DAVE		AIR ROTARY	COLUMBIA	41.06194	-76.52944		UNKNOWN	2		DOMESTIC
14180	HOCK, CLAIR	1/1/1971	OTHER/UNKNOWN	COLUMBIA	41.06222	-76.49389	85	OPEN HOLE		9.49	UNUSED
14181	KILE, R.	8/20/1978	AIR ROTARY	COLUMBIA	41.06278	-76.41972	248	OPEN HOLE	20		DOMESTIC
14182	KRUMHELLR, JUDY	8/21/1972	CABLE TOOL	COLUMBIA	41.06278	-76.43222	61	OPEN HOLE	8		DOMESTIC
14183	BRIAR CREEK PARK	10/1/1973	AIR ROTARY	COLUMBIA	41.06306	-76.28583	250	OPEN HOLE		112	PUBLIC SUPPLY
14184	ROWE, JACK	1/1/1972	AIR ROTARY	COLUMBIA	41.06306	-76.52722	72	OPEN HOLE	9		DOMESTIC
14185	DUTCH HILL CHURCH	7/17/1977	AIR ROTARY	COLUMBIA	41.06306	-76.54639	142	OPEN HOLE		49.7	DOMESTIC
14186	FUNK, HOWARD	4/30/1967	CABLE TOOL	COLUMBIA	41.06444	-76.46944	127	OPEN HOLE	10	72	DOMESTIC
14187	CAMPBELL, ED	8/24/1977	OTHER/UNKNOWN	COLUMBIA	41.06472	-76.43194	193	OPEN HOLE	8		DOMESTIC
14188	GIBNEY GRAIG	3/15/1974	OTHER/UNKNOWN	COLUMBIA	41.06556	-76.38750	100	OPEN HOLE		7.32	DOMESTIC
14189	ECKROTH	1/1/1969	CABLE TOOL	COLUMBIA	41.06583	-76.54861	65	OPEN HOLE	3.5		DOMESTIC
14190	WHALON, PAUL	9/23/1972	CABLE TOOL	COLUMBIA	41.06583	-76.61667	92	UNKNOWN	6		DOMESTIC
14191	FAUST, R.	1/1/1974		COLUMBIA	41.06722	-76.52083					DOMESTIC
14192	MILLARD, L.	9/1/1978	AIR ROTARY	COLUMBIA	41.06722	-76.52111	123	OPEN HOLE	10		DOMESTIC
14193	BABICH, JOHN C	4/10/1968	AIR ROTARY	COLUMBIA	41.06778	-76.35500	85	OPEN HOLE	5	15	DOMESTIC
14194	FESTER, JOHN H	5/16/1967	AIR ROTARY	COLUMBIA	41.06806	-76.29333	115	OPEN HOLE	8	75	DOMESTIC
14195	YEAGER, STEVE	11/8/1978	AIR ROTARY	COLUMBIA	41.06833	-76.27083	150	OPEN HOLE	10		DOMESTIC
14196	WALTERS, DAVID	8/7/1974	CABLE TOOL	COLUMBIA	41.06917	-76.50028	50	OPEN HOLE	10	8	DOMESTIC
14197	HELM, KENNETH		OTHER/UNKNOWN	COLUMBIA	41.06944	-76.27722	150	OPEN HOLE	7	14.6	DOMESTIC
14198	U.S. GEOL. SURVEY	8/22/1979	BORED OR AUGERED	COLUMBIA	41.06972	-76.42083		UNKNOWN			UNUSED
14199	CRAWFORD, GEORGE	8/8/1975	AIR ROTARY	COLUMBIA	41.06972	-76.48139	198	OPEN HOLE		93.2	DOMESTIC
14200	GRASLEY, RODNEY	4/17/1973	AIR ROTARY	COLUMBIA	41.07028	-76.34222	75	OPEN HOLE		4.45	DOMESTIC
14201	WALTERS, DAVID	8/6/1974	CABLE TOOL	COLUMBIA	41.07056	-76.50028	50	OPEN HOLE	7		DOMESTIC
14202	HAUGH, EDWARD	10/18/1966	OTHER/UNKNOWN	COLUMBIA	41.07083	-76.38667	75	OPEN HOLE	8	8.461536	DOMESTIC

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PA WELL ID	OWNER	DATE DRILLED	DRILLING METHOD	COUNTY	LATITUDE	LONGITUDE	WELL DEPTH (ft bgs)	WELL FINISH	WELL YIELD (gpm)	STATIC WATER LEVEL (ft bgs)	WATER USE
14203	MILLER, DONALD	6/13/1966	AIR ROTARY	COLUMBIA	41.07111	-76.33889	435	OPEN HOLE		15.6	DOMESTIC
14204	STACKHOUSE	1/1/1978	AIR ROTARY	COLUMBIA	41.07111	-76.51639		OPEN HOLE		40	DOMESTIC
14205	DEWALD, ROBERT	12/12/1968	CABLE TOOL	COLUMBIA	41.07250	-76.47028	133	OPEN HOLE	7	64.5	DOMESTIC
14206	STINE		AIR ROTARY	COLUMBIA	41.07278	-76.52139		OPEN HOLE			STOCK
14207	WELSH, JAY	11/12/1976	AIR ROTARY	COLUMBIA	41.07333	-76.26639	125	OPEN HOLE		43	DOMESTIC
14208	CORRELL, WILLIAM E	11/6/1981	AIR ROTARY	COLUMBIA	41.07333	-76.35194	98	OPEN HOLE	20		DOMESTIC
14209	LAWTON, RANDY	9/7/1972	CABLE TOOL	COLUMBIA	41.07417	-76.50972	90	UNKNOWN	8		DOMESTIC
14210	SHANER, CARL	6/22/1966	AIR ROTARY	COLUMBIA	41.07472	-76.47028	175	OPEN HOLE	8		DOMESTIC
14211	STACKHOUSE FRANK	1/1/1963	AIR ROTARY	COLUMBIA	41.07472	-76.51028	123	OPEN HOLE	4	15.2	DOMESTIC
14212	STACKHOUSE FRANK	1/1/1973	AIR ROTARY	COLUMBIA	41.07500	-76.50889	123	OPEN HOLE	30	13.6	COMMERCIAL
14213	BARDO, CLUANE E	8/2/1974	AIR ROTARY	COLUMBIA	41.07583	-76.52139	200	OPEN HOLE		1.59	STOCK
14214	GIRTON, WAYNE R	12/8/1975	AIR ROTARY	COLUMBIA	41.07667	-76.32222		OPEN HOLE	3.3	113	DOMESTIC
14215	KLINGERMAN BOARDING	1/1/1960	OTHER/UNKNOWN	COLUMBIA	41.07667	-76.41667	90	OPEN HOLE	4.4	15	DOMESTIC
14216	RAKICH, JOHN	10/13/1973	AIR ROTARY	COLUMBIA	41.07750	-76.32250	200	OPEN HOLE	10		DOMESTIC
14217	ORANGEVILLE WATER CO.	10/1/1963	AIR ROTARY	COLUMBIA	41.07750	-76.41139	465	OPEN HOLE	28	64	PUBLIC SUPPLY
14218	MUSSELMAN KEITH	12/5/1975	AIR ROTARY	COLUMBIA	41.07778	-76.40056	175	UNKNOWN	7	80.3	DOMESTIC
14219	WIKE, CHARLES	11/24/1976	AIR ROTARY	COLUMBIA	41.07889	-76.32250	200	OPEN HOLE	6		DOMESTIC
14220	WALTERS, DAVID	7/9/1974	CABLE TOOL	COLUMBIA	41.07889	-76.49917	56	OPEN HOLE	5		DOMESTIC
14221	YOHEY	4/1/1978	OTHER/UNKNOWN	COLUMBIA	41.07917	-76.32667	275	OPEN HOLE	5		DOMESTIC
14222	CYPHERS, JAMES	7/11/1966	OTHER/UNKNOWN	COLUMBIA	41.07917	-76.61028	90	OPEN HOLE	4	10	DOMESTIC
14223	WELLIVER, HARRY	11/9/1967	CABLE TOOL	COLUMBIA	41.08028	-76.47750	134	OPEN HOLE	10	71	DOMESTIC
14224	ABRAMS, LEWIS	1/1/1977	AIR ROTARY	COLUMBIA	41.08139	-76.28917	90	OPEN HOLE	5	40	DOMESTIC
14225		12/5/1966	OTHER/UNKNOWN	COLUMBIA	41.08250	-76.31056	67	OPEN HOLE	30	20	DOMESTIC
14226	GROSS, N.	9/1/1978	OTHER/UNKNOWN	COLUMBIA	41.08250	-76.48083	170	OPEN HOLE		56.4	DOMESTIC
14227	RUCKEL, EDWARD	5/24/1976	AIR ROTARY	COLUMBIA	41.08278	-76.33000	275	OPEN HOLE	8		DOMESTIC
14228	MARKLE, ROBERT J	4/1/1978	OTHER/UNKNOWN	COLUMBIA	41.08278	-76.35222	125	OPEN HOLE	8		DOMESTIC
14229	ZEISLOFT, STEVE	5/28/1975	CABLE TOOL	COLUMBIA	41.08278	-76.57278	70	OPEN HOLE	6	32	DOMESTIC
14230	ZEISLOFT, DALE		AIR ROTARY	COLUMBIA	41.08278	-76.57500	420	OPEN HOLE		16.9	DOMESTIC
14231	KECK, THELMA	1/1/1979	AIR ROTARY	COLUMBIA	41.08306	-76.29889	323	OPEN HOLE	3		DOMESTIC
14232	ZEISLOFT, DONALD	8/8/1974	CABLE TOOL	COLUMBIA	41.08333	-76.57167	123	OPEN HOLE		27.1	DOMESTIC
14233	NAGLE, ALAN	10/13/1973	AIR ROTARY	COLUMBIA	41.08417	-76.34444	150	OPEN HOLE			DOMESTIC
14234	DIETTERICK LESTER	6/27/1978	AIR ROTARY	COLUMBIA	41.08583	-76.35250	80	OPEN END	20		DOMESTIC

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14235	RICHARDS, REBA			COLUMBIA	41.08667	-76.22889					DOMESTIC
14236	DAVIS, RONALD L	5/18/1968	AIR ROTARY	COLUMBIA	41.08722	-76.27667	100	OPEN HOLE	5		DOMESTIC
14237	DAVIS, RONALD L	9/12/1974	AIR ROTARY	COLUMBIA	41.08722	-76.27667	175	OPEN HOLE	8		DOMESTIC
14238	MCMURTRIE, DAVID C	8/3/1973	AIR ROTARY	COLUMBIA	41.08722	-76.31722	200	OPEN HOLE	8		DOMESTIC
14239				COLUMBIA	41.08778	-76.51806	320				DOMESTIC
14240	GOWER, ROBERT	8/8/1972	AIR ROTARY	COLUMBIA	41.08861	-76.30028	120	OPEN HOLE	8		DOMESTIC
14241	RISHEL	9/1/1980	CABLE TOOL	COLUMBIA	41.08889	-76.57833	60	OPEN HOLE		12.6	DOMESTIC
14242	O'NEAL, CLARENCE	4/10/1973	AIR ROTARY	COLUMBIA	41.08917	-76.30056	125	OPEN HOLE	6	74.9	DOMESTIC
14243	FARRELL, WILLIAM	11/7/1973	AIR ROTARY	COLUMBIA	41.08944	-76.29917	200	OPEN HOLE	5		DOMESTIC
14244	WHITENIGHT DAVID	4/1/1977	AIR ROTARY	COLUMBIA	41.08972	-76.28139	100	OPEN HOLE	6		DOMESTIC
14245	KECK, DOYLE	7/12/1972	AIR ROTARY	COLUMBIA	41.08972	-76.30083	135	OPEN HOLE	10	40	DOMESTIC
14246	SEELY, LESTER	5/5/1975	AIR ROTARY	COLUMBIA	41.09028	-76.26722	125	OPEN HOLE	8		DOMESTIC
14247	LAUBACH, DAVID	8/13/1973	AIR ROTARY	COLUMBIA	41.09083	-76.30417	100	OPEN HOLE		23.9	DOMESTIC
14248	ROTHERY	5/29/1974	AIR ROTARY	COLUMBIA	41.09111	-76.25806	100	OPEN HOLE	8		DOMESTIC
14249	SAMSEL, R.	5/25/1977	AIR ROTARY	COLUMBIA	41.08972	-76.30639	150	OPEN HOLE	10		DOMESTIC
14250	PURCELL, FRANCIS	9/20/1974	CABLE TOOL	COLUMBIA	41.09194	-76.46444	76	OPEN HOLE	8	28	DOMESTIC
14251	SHULTZ	3/13/1974	AIR ROTARY	COLUMBIA	41.09222	-76.30333	125	OPEN HOLE	6		DOMESTIC
14252	HRINDA, JOHN	1/1/1958	OTHER/UNKNOWN	COLUMBIA	41.09222	-76.30861	36	UNKNOWN	20.3	15	DOMESTIC
14253	ZOPPETTI, MATTHEW	4/6/1973	CABLE TOOL	COLUMBIA	41.09222	-76.41139	64	OPEN END	20	10	DOMESTIC
14254	HOFFMAN, DRUE C	10/9/1966	CABLE TOOL	COLUMBIA	41.09250	-76.25500	130	OPEN HOLE	7	65	DOMESTIC
14255	WELSH, JAY	3/14/1974	AIR ROTARY	COLUMBIA	41.09278	-76.30361	125	OPEN HOLE	8		DOMESTIC
14256	WEAVER, CINDY	10/7/1974	AIR ROTARY	COLUMBIA	41.09306	-76.30611	150	OPEN HOLE	8		DOMESTIC
14257	STEVENS, JOHN P	9/14/1976	AIR ROTARY	COLUMBIA	41.09333	-76.27167	125	OPEN HOLE		55.5	DOMESTIC
14258	KREISCHER, WILLIAM	2/12/1977	AIR ROTARY	COLUMBIA	41.09361	-76.25139	100	OPEN HOLE	6		DOMESTIC
14259	RIVERA, FRANK	1/1/1975		COLUMBIA	41.09361	-76.30361				27.9	DOMESTIC
14260	DIEHL, RODNEY	11/8/1972	AIR ROTARY	COLUMBIA	41.09361	-76.30556	75	OPEN HOLE	8	5	DOMESTIC
14261	KREISCHER, GARY	2/12/1977	AIR ROTARY	COLUMBIA	41.09389	-76.25056	100	OPEN HOLE	8		DOMESTIC
14262	SHULTZ, JOHN	4/1/1978	AIR ROTARY	COLUMBIA	41.09389	-76.30389	100	OPEN HOLE	8		DOMESTIC
14263	STINER, DALE	8/23/1967	AIR ROTARY	COLUMBIA	41.09417	-76.56389	205	OPEN HOLE		26.2	DOMESTIC
14264	PERSANS, EDMUND C	7/19/1974	AIR ROTARY	COLUMBIA	41.09583	-76.25833	175	OPEN HOLE	10		DOMESTIC
14265	DENT, RICHARD	3/26/1974	AIR ROTARY	COLUMBIA	41.09583	-76.25917	150	OPEN HOLE	6		DOMESTIC
14266	PENNEBAKER , KARL	8/15/1974	AIR ROTARY	COLUMBIA	41.09583	-76.29667	150	OPEN HOLE	8		DOMESTIC

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14267	KERIS, ALEX	7/24/1975	AIR ROTARY	COLUMBIA	41.09611	-76.25833	150	OPEN HOLE	7		DOMESTIC
14268	BELLES, STANLEY	6/12/1970	AIR ROTARY	COLUMBIA	41.09611	-76.27056	75	OPEN HOLE	20		DOMESTIC
14269	ZOPPETTI, MATTHEW	5/1/1971	CABLE TOOL	COLUMBIA	41.09611	-76.41056	45	OPEN END			DOMESTIC
14270	SHULTZ, EDWARD A	5/6/1976	AIR ROTARY	COLUMBIA	41.09639	-76.25722	175	OPEN HOLE	6		DOMESTIC
14271	RIBBLE, RAYMOND		CABLE TOOL	COLUMBIA	41.09667	-76.40167	62	UNKNOWN	20	24	DOMESTIC
14272	COLLINS, EUGENE A	2/19/1970	AIR ROTARY	COLUMBIA	41.09722	-76.25333	185	OPEN HOLE		114	DOMESTIC
14273	SLUSSER, KENNETH	4/26/1974	AIR ROTARY	COLUMBIA	41.09750	-76.27500	175	OPEN HOLE	5		DOMESTIC
14274	BOWER, DARVIN	6/1/1977	AIR ROTARY	COLUMBIA	41.09750	-76.29167	125	OPEN HOLE	6		DOMESTIC
14275	ZOWALSKI, JOSEPH	8/12/1972	AIR ROTARY	COLUMBIA	41.09778	-76.27500	100	OPEN HOLE	7	30	DOMESTIC
14276	BENJAMIN, ELDON	11/21/1968	AIR ROTARY	COLUMBIA	41.09806	-76.30583	150	OPEN HOLE		29.4	DOMESTIC
14277	GRASLEY, HALOLD V	6/27/1972	AIR ROTARY	COLUMBIA	41.09861	-76.26389	150	OPEN HOLE		76.2	DOMESTIC
14278	MESSERSMT, RAY		OTHER/UNKNOWN	COLUMBIA	41.10111	-76.37056	120	OPEN HOLE		12.8	DOMESTIC
14279	PUTERBAUGH RICHARD	8/10/1966	AIR ROTARY	COLUMBIA	41.09944	-76.44167	90	OPEN HOLE		27.2	DOMESTIC
14280	FULTZ, CURTIS	7/18/1972	AIR ROTARY	COLUMBIA	41.10000	-76.23917	175	OPEN HOLE	16	80	DOMESTIC
14281	DENT, JACK W	8/2/1973	AIR ROTARY	COLUMBIA	41.10056	-76.24111	150	OPEN HOLE	12		DOMESTIC
14282	HOOK, DAVID G	8/5/1974	AIR ROTARY	COLUMBIA	41.10056	-76.27000	100	OPEN HOLE	10		DOMESTIC
14283	BECK, JACK	8/3/1973	AIR ROTARY	COLUMBIA	41.10222	-76.23611	175	OPEN HOLE	10		DOMESTIC
14284	WILKINSON, LEONARD E	7/29/1974	AIR ROTARY	COLUMBIA	41.10278	-76.27556	125	OPEN HOLE		26.2	DOMESTIC
14285	HEAPS, TED	1/1/1980	AIR ROTARY	COLUMBIA	41.10278	-76.55278	300	OPEN HOLE	1		DOMESTIC
14286	HEAPS, TED	1/1/1980	AIR ROTARY	COLUMBIA	41.10278	-76.55306		OPEN HOLE	1	15.5	DOMESTIC
14287	CARRATHERS MARTIN	9/21/1972	AIR ROTARY	COLUMBIA	41.10306	-76.23000	100	OPEN HOLE	8		DOMESTIC
14288	CARRATHERS WILLIAM	9/18/1972	AIR ROTARY	COLUMBIA	41.10389	-76.23056	105	OPEN HOLE	8	65	DOMESTIC
14289	ECKROTH, R.	12/4/1978	OTHER/UNKNOWN	COLUMBIA	41.10389	-76.55694	348	OPEN HOLE	1		DOMESTIC
14290	LYNN, DONALD L	5/14/1973	AIR ROTARY	COLUMBIA	41.10444	-76.26278	100	OPEN HOLE		10	DOMESTIC
14291	S & S AUTO WORKS	1/1/1978	OTHER/UNKNOWN	COLUMBIA	41.10583	-76.55194	320	OPEN HOLE		10.4	DOMESTIC
14292	HESS, KENNETH L	9/12/1973	AIR ROTARY	COLUMBIA	41.10639	-76.25556	100	OPEN HOLE	8		DOMESTIC
14293	TWIN BRIDGES CO PARK	5/10/1976	AIR ROTARY	COLUMBIA	41.10667	-76.35667	50	UNKNOWN		7.54	PUBLIC SUPPLY
14294	EVELAND, EARL	1/1/1977	AIR ROTARY	COLUMBIA	41.10806	-76.35972	40	OPEN END	15	19	DOMESTIC
14295	STINE			COLUMBIA	41.10861	-76.51972					DOMESTIC
14296	DUNCAN, GEORGE	1/1/1963	AIR ROTARY	COLUMBIA	41.11056	-76.47833	68	OPEN HOLE		17	DOMESTIC
14297	DUNCAN, GEORGE	11/20/1977	AIR ROTARY	COLUMBIA	41.11167	-76.47861	130	OPEN HOLE		17.1	DOMESTIC
14298	LAVER CHAS	6/7/1974	CABLE TOOL	COLUMBIA	41.11222	-76.52278	90	UNKNOWN	6		DOMESTIC

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PA WELL ID	OWNER	DATE DRILLED	DRILLING METHOD	COUNTY	LATITUDE	LONGITUDE	WELL DEPTH (ft bgs)	WELL FINISH	WELL YIELD (gpm)	STATIC WATER LEVEL (ft bgs)	WATER USE
14299	SCHNEEWEIS WILLIAM	10/27/1976	AIR ROTARY	COLUMBIA	41.11222	-76.55389	175	OPEN HOLE	2	8	DOMESTIC
14300	WHITE, JOSEPH	11/3/1974	CABLE TOOL	COLUMBIA	41.11278	-76.41639	207	OPEN HOLE	4	145	DOMESTIC
14301	NOLAN, JAMES	5/28/1978	AIR ROTARY	COLUMBIA	41.11389	-76.55639	185	OPEN HOLE		18.9	DOMESTIC
14302	HARVEY, AMOS C	1/1/1976	CABLE TOOL	COLUMBIA	41.11417	-76.43778	100	OPEN HOLE	4		DOMESTIC
14303	CAIN, P.	12/1/1978	AIR ROTARY	COLUMBIA	41.11500	-76.44083	230	OPEN HOLE	5	90	DOMESTIC
14304	BOONE, JERRY		CABLE TOOL	COLUMBIA	41.11556	-76.52306	130	OPEN HOLE			DOMESTIC
14305	STACKHOUSE DALE	2/16/1978	CABLE TOOL	COLUMBIA	41.12083	-76.54250	140	OPEN HOLE	6	30	DOMESTIC
14306	MILLVILLE WATER AUTH	1/1/1980	TRENCHING	COLUMBIA	41.12278	-76.53639	18	WALLED	100		PUBLIC SUPPLY
14307	BROWN, CALVIN	9/5/1967	CABLE TOOL	COLUMBIA	41.12778	-76.42250	51	OPEN HOLE	21	12	DOMESTIC
14309	MOUNT CARMEL BORO AUTH	1/1/1900	OTHER/UNKNOWN	COLUMBIA	40.79861	-76.37750	75	UNKNOWN	20		PUBLIC SUPPLY
14310	ROARING CK WATER CO.		OTHER/UNKNOWN	COLUMBIA	40.83611	-76.36500	297	UNKNOWN	275		PUBLIC SUPPLY
14311	ROHRBACH FARMS	8/27/1968	AIR ROTARY	COLUMBIA	40.92694	-76.46167	235	OPEN HOLE	18		DOMESTIC
14312	CATAWISSA WATER AUTH	10/4/1979	AIR ROTARY	COLUMBIA	40.94250	-76.44194	400	OPEN HOLE	55	100	PUBLIC SUPPLY
14313	CATAWISSA WATER AUTH	10/10/1979	AIR ROTARY	COLUMBIA	40.94333	-76.44278	400	OPEN HOLE	45	42	PUBLIC SUPPLY
14314	SUSQ DAIRY ASSOC		OTHER/UNKNOWN	COLUMBIA	40.94639	-76.45417	200	UNKNOWN	25		INDUSTRIAL
14315	CATAWISSA LUMBER CO		OTHER/UNKNOWN	COLUMBIA	40.94889	-76.45583	465	OPEN HOLE	3		INDUSTRIAL
14316	CATAWISSA LUMBER CO		OTHER/UNKNOWN	COLUMBIA	40.94889	-76.45667	500	OPEN HOLE	3	78.4	INDUSTRIAL
14317	CATAWISSA WATER AUTH		CABLE TOOL	COLUMBIA	40.94944	-76.45056	275	OPEN HOLE	16.8	12	PUBLIC SUPPLY
14318	CATAWISSA WATER AUTH		CABLE TOOL	COLUMBIA	40.95000	-76.45000	205	OPEN HOLE		11.1	PUBLIC SUPPLY
14319	CATAWISSA WATER AUTH		CABLE TOOL	COLUMBIA	40.95083	-76.45139	448	OPEN HOLE	100		PUBLIC SUPPLY
14320	CATAWISSA WATER AUTH		CABLE TOOL	COLUMBIA	40.95083	-76.45056	250	OPEN HOLE	55		PUBLIC SUPPLY
14321	CATAWISSA BOTTLING	2/1/1981	OTHER/UNKNOWN	COLUMBIA	40.95278	-76.45861	440	UNKNOWN	40	32	INDUSTRIAL
14322	KARNS CHARLES		OTHER/UNKNOWN	COLUMBIA	40.95389	-76.48278	82	OPEN HOLE		33.3	DOMESTIC
14323	DIEHL, W.	1/1/1960	OTHER/UNKNOWN	COLUMBIA	40.97056	-76.50528	303	UNKNOWN	1	67.8	DOMESTIC
14324	DEUSSEN, MILDRED		OTHER/UNKNOWN	COLUMBIA	40.97250	-76.49222		OPEN HOLE		32.4	DOMESTIC
14325	BREECH, PIERCE L			COLUMBIA	40.97306	-76.45806	160			66.1	DOMESTIC
14326	LYCOMING SAND CO.	7/1/1977	OTHER/UNKNOWN	COLUMBIA	40.97361	-76.52944	150	OPEN HOLE	10		DOMESTIC
14327	GROSS, RAY	6/7/1968	AIR ROTARY	COLUMBIA	40.97444	-76.52139	52	OPEN HOLE	9	15	DOMESTIC
14328	FETTERMAN, R.	1/1/1969	OTHER/UNKNOWN	COLUMBIA	40.97556	-76.50361	98	OPEN HOLE		19.8	DOMESTIC
14329	BERGER, WILLIAM	10/1/1968	OTHER/UNKNOWN	COLUMBIA	40.97583	-76.51972	81	UNKNOWN	16	20	DOMESTIC
14330	STREATER, J. E	7/5/1968	CABLE TOOL	COLUMBIA	40.98139	-76.46778	500	OPEN HOLE	250	11.42857	IRRIGATION

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PA WELL ID	OWNER	DATE DRILLED	DRILLING METHOD	COUNTY	LATITUDE	LONGITUDE	WELL DEPTH (ft bgs)	WELL FINISH	WELL YIELD (gpm)	STATIC WATER LEVEL (ft bgs)	WATER USE
14331	A AND S AUTO BODY	8/31/1979	AIR ROTARY	COLUMBIA	40.98222	-76.48417	123	OPEN HOLE	15	5.45	DOMESTIC
14332	CREASY CHARLES W		OTHER/UNKNOWN	COLUMBIA	40.98306	-76.44667		OPEN HOLE		31.5	DOMESTIC
14333	YOUNG, FAY	1/1/1973	AIR ROTARY	COLUMBIA	40.98333	-76.44667	300	OPEN HOLE		31.6	DOMESTIC
14334	ROTH, JAMES	11/1/1977	AIR ROTARY	COLUMBIA	40.98333	-76.51417	95	OPEN HOLE	5	10	DOMESTIC
14335	WINTERSTN, L L		OTHER/UNKNOWN	COLUMBIA	40.98583	-76.48056	86	OPEN HOLE	30	16.6	DOMESTIC
14336	WINTERSTN, L. L		OTHER/UNKNOWN	COLUMBIA	40.98639	-76.47972	119	UNKNOWN	12		DOMESTIC
14337	U.S. GEOL. SURVEY	8/21/1979	BORED OR AUGERED	COLUMBIA	40.98833	-76.47472		UNKNOWN			UNUSED
14338	GEORGE, BENARD	1/1/1972	OTHER/UNKNOWN	COLUMBIA	40.99389	-76.51611	175	UNKNOWN	19		DOMESTIC
14339	WONDERVIEW WATER CO.		OTHER/UNKNOWN	COLUMBIA	40.99444	-76.41556	375	UNKNOWN	15	45	PUBLIC SUPPLY
14340	WONDERVIEW WATER CO.	1/1/1977	AIR ROTARY	COLUMBIA	40.99444	-76.41556	410	OPEN HOLE	30		PUBLIC SUPPLY
14341	BLOOMSBURG PACKING CO	5/3/1946	OTHER/UNKNOWN	COLUMBIA	40.99667	-76.44944	525	UNKNOWN	225	7	INDUSTRIAL
25174	DIXON, P.	8/20/1978	OTHER/UNKNOWN	LUZERNE	40.82944	-75.87278	155	OPEN HOLE	12	40	DOMESTIC
25175	BONNER NEIL		OTHER/UNKNOWN	LUZERNE	40.91639	-76.02889	950	UNKNOWN		0.84	UNUSED
25176				LUZERNE	40.91722	-75.98944	425				
25177				LUZERNE	40.91889	-76.02611	500				
25178				LUZERNE	40.91917	-75.90194					UNUSED
25179	RYAN,HERBERT	1/1/1948	OTHER/UNKNOWN	LUZERNE	40.92222	-75.99556	66	UNKNOWN			DOMESTIC
25180	MCKITO,ANDREW	1/1/1938	OTHER/UNKNOWN	LUZERNE	40.92389	-75.99528	83	UNKNOWN			DOMESTIC
25181	WYOMING VALLEY WATER			LUZERNE	40.92639	-76.02583					PUBLIC SUPPLY
25182	SHAVERTOWN WATER CO.	1/1/1974	OTHER/UNKNOWN	LUZERNE	40.93139	-76.13472	212	OPEN HOLE	95		PUBLIC SUPPLY
25183	PHILLIPS,GILES		OTHER/UNKNOWN	LUZERNE	40.93500	-75.99167	100	UNKNOWN	65	6	DOMESTIC
25184	KAMA CORP	1/1/1963	OTHER/UNKNOWN	LUZERNE	40.93750	-75.96583	133	OPEN HOLE			INDUSTRIAL
25185	PETER STORASKA	11/1/1976	AIR ROTARY	LUZERNE	40.93861	-76.13861	140	OPEN HOLE	20	25	DOMESTIC
25186	KEMERSAL,MR.	1/1/1926	OTHER/UNKNOWN	LUZERNE	40.94000	-76.16806	65	UNKNOWN	25	38	DOMESTIC
25187	BROOKS,A.W.	1/1/1926	OTHER/UNKNOWN	LUZERNE	40.94083	-76.17333	438	UNKNOWN	33	80	DOMESTIC
25188			OTHER/UNKNOWN	LUZERNE	40.94139	-76.14583	70	UNKNOWN	25	15	DOMESTIC
25189	M. BERTOLDI	11/1/1977	AIR ROTARY	LUZERNE	40.94222	-76.13861	140	OPEN HOLE	30	10	DOMESTIC
25190	ENAMEL,MR.		OTHER/UNKNOWN	LUZERNE	40.94250	-76.14222	110	UNKNOWN	10	50	DOMESTIC
25191	JOSEPH MARSHALL	6/24/1977	AIR ROTARY	LUZERNE	40.94389	-76.10333	180	OPEN HOLE	25	20	DOMESTIC
25192				LUZERNE	40.94667	-76.17861					UNUSED

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25193				LUZERNE	40.94833	-76.17972					UNUSED
25194				LUZERNE	40.96083	-76.03861					UNUSED
25195	WYOMING VALLEY WATER			LUZERNE	40.96500	-75.98111			150		UNUSED
25196				LUZERNE	40.96528	-76.09167					UNUSED
25197				LUZERNE	40.96861	-75.89806					UNUSED
25198	PLEBAN, W.	8/1/1977	OTHER/UNKNOWN	LUZERNE	40.96917	-76.09500	200	OPEN HOLE		40.8	DOMESTIC
25199	R. SINEX	4/1/1978	AIR ROTARY	LUZERNE	40.96944	-76.05611	525	OPEN HOLE	5	160	DOMESTIC
25200				LUZERNE	40.97000	-75.89722					UNUSED
25201				LUZERNE	40.97000	-75.89750					UNUSED
25202				LUZERNE	40.97000	-76.10833					UNUSED
25203	R. ROCK	12/1/1978	AIR ROTARY	LUZERNE	40.97194	-76.09750	180	OPEN HOLE	25	70	DOMESTIC
25204	JEDDO HIGHLAND COAL	1/1/1915	OTHER/UNKNOWN	LUZERNE	40.97222	-75.95417	567	UNKNOWN	160		INDUSTRIAL
25205				LUZERNE	40.97250	-76.04833					UNUSED
25206	JEDDO HIGHLAND COAL	1/1/1915	OTHER/UNKNOWN	LUZERNE	40.97389	-75.95194	540	UNKNOWN	120		INDUSTRIAL
25207	CHARLES MANCINKO	9/6/1978	AIR ROTARY	LUZERNE	40.97389	-76.06417	175	OPEN HOLE	8		DOMESTIC
25208	D. KORMONICK	8/6/1980	AIR ROTARY	LUZERNE	40.97528	-76.10139	275	OPEN HOLE	5		DOMESTIC
25209	DELITE MOTEL	6/1/1981	OTHER/UNKNOWN	LUZERNE	40.97611	-75.98056	260	OPEN HOLE	35	43	COMMERCIAL
25210	A. STASHEFSKI	12/1/1977	AIR ROTARY	LUZERNE	40.97694	-76.05639	140	OPEN HOLE		5	DOMESTIC
25211	E. WILLIAMS	10/1/1978	OTHER/UNKNOWN	LUZERNE	40.97750	-76.05250	160	OPEN HOLE	25	21	DOMESTIC
25212	P. ABADESSA	4/1/1980	AIR ROTARY	LUZERNE	40.97944	-76.01000	440	OPEN HOLE	25	40	DOMESTIC
25213	W. KNELLEY	4/1/1978	AIR ROTARY	LUZERNE	40.97944	-76.17861	360	OPEN HOLE	40	50	DOMESTIC
25214	A. PAVLICK	5/1/1980	OTHER/UNKNOWN	LUZERNE	40.98000	-76.01028	360	OPEN HOLE		64	DOMESTIC
25215	B. CRAWFORD	2/1/1981	AIR ROTARY	LUZERNE	40.98056	-76.01111	398	OPEN HOLE	50	40	DOMESTIC
25216	DAVIS,J.		OTHER/UNKNOWN	LUZERNE	40.98056	-76.03333	150	UNKNOWN	20	60	DOMESTIC
25217	JEDDO HIGHLAND COAL	1/1/1913	OTHER/UNKNOWN	LUZERNE	40.98139	-75.92611	1560	UNKNOWN	35	100	INDUSTRIAL
25218	JEDDO HIGHLAND COAL	1/1/1903	OTHER/UNKNOWN	LUZERNE	40.98167	-75.91889	634	UNKNOWN	100		INDUSTRIAL
25219	JONES,ROBERT		OTHER/UNKNOWN	LUZERNE	40.98167	-76.02972	80	UNKNOWN	50	24	DOMESTIC
25220	WEBSTER,GEORGE		OTHER/UNKNOWN	LUZERNE	40.98167	-76.21250	94	OPEN END	10	10	UNUSED
25221	JEDDO HIGHLAND COAL		OTHER/UNKNOWN	LUZERNE	40.98194	-75.92139	744	UNKNOWN	20	120	INDUSTRIAL
25222	JEDDO HIGHLAND COAL	11/19/1913	OTHER/UNKNOWN	LUZERNE	40.98194	-75.96861	895	UNKNOWN	10	50	UNUSED
25223	ERNIES STEAKHOUSE	4/1/1981	OTHER/UNKNOWN	LUZERNE	40.98194	-75.98139	380	OPEN HOLE		23.3	COMMERCIAL
25224	KEPEN,ANNA,MRS.	1/1/1954	OTHER/UNKNOWN	LUZERNE	40.98250	-75.97528	80	UNKNOWN			DOMESTIC

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25225	TWINS,HENRI	1/1/1924	OTHER/UNKNOWN	LUZERNE	40.98306	-76.03667	200	UNKNOWN			DOMESTIC
25226	TERRACINO, L.	1/1/1978	OTHER/UNKNOWN	LUZERNE	40.98361	-75.98361	500	OPEN HOLE	60	30	DOMESTIC
25227	CARSIA, S.	10/1/1977	OTHER/UNKNOWN	LUZERNE	40.98389	-75.97611	180	UNKNOWN	25	25	DOMESTIC
25228	P. GUZA	3/1/1981	OTHER/UNKNOWN	LUZERNE	40.98417	-76.02139	220	OPEN HOLE	8	40	DOMESTIC
25229	B. KELCHNER	10/1/1978	AIR ROTARY	LUZERNE	40.98444	-76.17083	260	OPEN HOLE			DOMESTIC
25230	JEDDO HIGHLAND COAL		OTHER/UNKNOWN	LUZERNE	40.98528	-75.89528	371	UNKNOWN		75	INDUSTRIAL
25231	JEDDO HIGHLAND COAL		OTHER/UNKNOWN	LUZERNE	40.98528	-75.89667	596	UNKNOWN	20		INDUSTRIAL
25232	HESS,MR.		OTHER/UNKNOWN	LUZERNE	40.98528	-76.05500	90	UNKNOWN		40	DOMESTIC
25233	CAPPOCCI , PHILLIP	7/1/1983	AIR ROTARY	LUZERNE	40.98639	-75.79333	100	OPEN HOLE	20	25	PUBLIC SUPPLY
25234	KAWON INC.	1/1/1974	OTHER/UNKNOWN	LUZERNE	40.98639	-75.96417		UNKNOWN	23		PUBLIC SUPPLY
25235	JEDDO HIGHLAND COAL	1/1/1915	OTHER/UNKNOWN	LUZERNE	40.98833	-75.93694	450	UNKNOWN	150	150	INDUSTRIAL
25236	RISHER,IRVIN			LUZERNE	40.98861	-75.97222	80				DOMESTIC
25237	LLEWELLEN	1/1/1934	OTHER/UNKNOWN	LUZERNE	40.98917	-75.95500	190	UNKNOWN			PUBLIC SUPPLY
25238	KOSCUK,M.	1/1/1951	OTHER/UNKNOWN	LUZERNE	40.98944	-75.97056	92	UNKNOWN			DOMESTIC
25239	G. LEITNER	1/1/1978		LUZERNE	40.98972	-76.08083	300			32	DOMESTIC
25240	T. PRICE	7/1/1978	AIR ROTARY	LUZERNE	40.99028	-76.08139	300	OPEN HOLE	25	100	DOMESTIC
25241	W. DALPIAS	10/1/1980	AIR ROTARY	LUZERNE	40.99083	-76.04944	260	OPEN HOLE	25	25	DOMESTIC
25242	C. GRANT	10/1/1980		LUZERNE	40.99083	-76.04972	260			10	DOMESTIC
25243	L. CRAVER	10/1/1980	OTHER/UNKNOWN	LUZERNE	40.99083	-76.05028	260	OPEN HOLE		17	DOMESTIC
25244	B. MITCHELL	9/1/1978	AIR ROTARY	LUZERNE	40.99139	-76.08333	350	OPEN HOLE	4		DOMESTIC
25245	HAZLETON CITY AUTH.		OTHER/UNKNOWN	LUZERNE	40.99194	-75.96194	473	UNKNOWN	100		PUBLIC SUPPLY
25246	HAZELTON CITY AUTH.		OTHER/UNKNOWN	LUZERNE	40.99194	-75.96194	473	UNKNOWN			PUBLIC SUPPLY
25247	RICK DAVIS	8/20/1979	AIR ROTARY	LUZERNE	40.99250	-76.21444	145	OPEN HOLE	15		DOMESTIC
25248	FISHER,RALPH	1/1/1951	OTHER/UNKNOWN	LUZERNE	40.99306	-76.00389		UNKNOWN			DOMESTIC
25249	A. FREY	10/1/1978	AIR ROTARY	LUZERNE	40.99361	-76.04028	200	OPEN HOLE	25	20	DOMESTIC
25250	REITMEYER,J.		DUG	LUZERNE	40.99389	-76.00333	20	UNKNOWN			UNUSED
25251	REITMEYER,JOSEPH	1/1/1950	OTHER/UNKNOWN	LUZERNE	40.99417	-76.00361	97	UNKNOWN			DOMESTIC
25252	KLINETOP, R.	9/1/1977	OTHER/UNKNOWN	LUZERNE	40.99444	-75.99583	120	UNKNOWN		7.4	DOMESTIC
25253	WYOMING VALLEY WATER		OTHER/UNKNOWN	LUZERNE	40.99583	-75.87222	500	UNKNOWN	100		PUBLIC SUPPLY
25254	DEANGELO,SAM		DUG	LUZERNE	40.99667	-75.98722	22	UNKNOWN			DOMESTIC
25255	ENERGY CONSERVATION BUILDERS	2/1/1981	AIR ROTARY	LUZERNE	40.99667	-76.02083	428	OPEN HOLE	25	100	DOMESTIC

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Table 2.3-33 {Groundwater Wells Located within a 25 Mile (40-km) Radius of BBNPP (Listed in Pennsylvania Groundwater Information System)}

PA WELL ID	OWNER	DATE DRILLED	DRILLING METHOD	COUNTY	LATITUDE	LONGITUDE	WELL DEPTH (ft bgs)	WELL FINISH	WELL YIELD (gpm)	STATIC WATER LEVEL (ft bgs)	WATER USE
25256	PARDEE BROTHERSCOAL		OTHER/UNKNOWN	LUZERNE	40.99694	-75.95667	299	UNKNOWN	10	199	INDUSTRIAL
25257	PARDEE BROTHERSCOAL		OTHER/UNKNOWN	LUZERNE	40.99750	-75.94694	332	UNKNOWN	8	220	INDUSTRIAL
25258	COOP.	1/1/1941	OTHER/UNKNOWN	LUZERNE	40.99750	-75.98833	190	UNKNOWN			PUBLIC SUPPLY
25259	JEDDO HIGHLAND COAL	1/1/1915	OTHER/UNKNOWN	LUZERNE	40.99778	-75.87972	600	UNKNOWN			INDUSTRIAL
25260	JEDDO HIGHLAND COAL		OTHER/UNKNOWN	LUZERNE	40.99778	-75.88417	1000	OPEN HOLE	20		INDUSTRIAL
25261	JEDDO HIGHLAND COAL			LUZERNE	40.99806	-75.88222	364		50		INDUSTRIAL
25262	MEROLA, S.	8/18/1978	OTHER/UNKNOWN	LUZERNE	40.99917	-75.97528	245	OPEN HOLE	18	32	DOMESTIC
25263			OTHER/UNKNOWN	LUZERNE	40.99944	-76.04944	100	UNKNOWN	17	35	DOMESTIC
25264	TERRICINY, L.	1/1/1979	OTHER/UNKNOWN	LUZERNE	41.00000	-75.97389	160	OPEN HOLE	20	25	DOMESTIC
25265				LUZERNE	41.00056	-75.81972					UNUSED
25266	WILLS,BERNARD C		OTHER/UNKNOWN	LUZERNE	41.00056	-76.07667	67	OPEN HOLE	8	35	DOMESTIC
25267	ORINSKY,A.		OTHER/UNKNOWN	LUZERNE	41.00056	-76.09861	220	OPEN HOLE	1	80	DOMESTIC
25268	CHEPULA, J.	2/15/1977	AIR ROTARY	LUZERNE	41.00111	-75.96889	160	UNKNOWN	15	30	DOMESTIC
25269	RANZARELLA J.	2/1/1977	AIR ROTARY	LUZERNE	41.00139	-75.96694	300	UNKNOWN	25	20	DOMESTIC
25270	DEANGELO, D.	6/1/1978	OTHER/UNKNOWN	LUZERNE	41.00167	-75.97000	160	OPEN HOLE	20	20	DOMESTIC
25271	DICK,A.E.	1/1/1950	OTHER/UNKNOWN	LUZERNE	41.00250	-76.09028	702	OPEN HOLE			STOCK
25272	JUREWICZ, CHARLES A	8/7/1974	AIR ROTARY	LUZERNE	41.00250	-76.14278	200	OPEN HOLE	20	50	DOMESTIC
25273	PARDEESVILLE ASSOCIA	1/1/1952	OTHER/UNKNOWN	LUZERNE	41.00278	-75.96806	170	UNKNOWN	10		PUBLIC SUPPLY
25274				LUZERNE	41.00528	-75.99389					UNUSED
25275	SUGARLOAF RECREATION AREA	4/1/1979	AIR ROTARY	LUZERNE	41.00556	-76.07056	120	OPEN HOLE	25	10	DOMESTIC
25276	WYOMING VALLEY WATER	1/1/1915	OTHER/UNKNOWN	LUZERNE	41.00750	-75.90111	554	UNKNOWN	100	100	PUBLIC SUPPLY
25277	PARDEE,T.P.		OTHER/UNKNOWN	LUZERNE	41.00861	-76.07444	268	OPEN HOLE	10	45	DOMESTIC
25278	SUGARLOAF TOWNSHIP SUPERVISORS	11/1/1977	AIR ROTARY	LUZERNE	41.00889	-76.07972	180	OPEN HOLE	35	20	DOMESTIC
25279	FREELAND WATER		OTHER/UNKNOWN	LUZERNE	41.01056	-75.91417	514	OPEN HOLE	427	3	PUBLIC SUPPLY
25280	OAKS,ADAMS		OTHER/UNKNOWN	LUZERNE	41.01111	-76.04000	92	OPEN HOLE	10	40	DOMESTIC
25281	MASLANKA, P.	10/1/1981	OTHER/UNKNOWN	LUZERNE	41.01139	-75.95194	220	OPEN HOLE	25	30	DOMESTIC
25282	JEDDO HIGHLAND COAL	1/1/1915	OTHER/UNKNOWN	LUZERNE	41.01278	-75.89250	506	UNKNOWN	5		INDUSTRIAL
25283	FREELAND MUNICIPAL AUTHORITY	12/20/1973	AIR ROTARY	LUZERNE	41.01417	-75.90611	500	OPEN HOLE	250		PUBLIC SUPPLY
25284	FALLABEL, R.	7/1/1979	OTHER/UNKNOWN	LUZERNE	41.01500	-75.99194	240	OPEN HOLE	25	30	DOMESTIC

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Table 2.3-33 {Groundwater Wells Located within a 25 Mile (40-km) Radius of BBNPP (Listed in Pennsylvania Groundwater Information System)}

PA WELL ID	OWNER	DATE DRILLED	DRILLING METHOD	COUNTY	LATITUDE	LONGITUDE	WELL DEPTH (ft bgs)	WELL FINISH	WELL YIELD (gpm)	STATIC WATER LEVEL (ft bgs)	WATER USE
25285	FREELAND WATER CO.		OTHER/UNKNOWN	LUZERNE	41.01583	-75.89222	500	UNKNOWN	150		PUBLIC SUPPLY
25286				LUZERNE	41.01611	-75.84861					UNUSED
25287	BENYO,GEORGE	1/1/1949	OTHER/UNKNOWN	LUZERNE	41.01694	-75.91750	156	UNKNOWN			DOMESTIC
25288	BRONCHMEYER MR.	1/1/1924	OTHER/UNKNOWN	LUZERNE	41.01722	-75.82694	64	OPEN HOLE			DOMESTIC
25289				LUZERNE	41.01722	-75.88250			50	100	INDUSTRIAL
25290	LITTLE FOREIGNCAR	12/1/1980	AIR ROTARY	LUZERNE	41.01722	-75.91833	390	UNKNOWN	50		DOMESTIC
25291	FREELAND WATER CO.		OTHER/UNKNOWN	LUZERNE	41.01750	-75.89222	525	UNKNOWN	65		PUBLIC SUPPLY
25292	FREELAND WATER CO.		CABLE TOOL	LUZERNE	41.01750	-75.89222	203	OPEN HOLE	200	21	PUBLIC SUPPLY
25293	MAJOR, D.	11/1/1981	OTHER/UNKNOWN	LUZERNE	41.01750	-75.97639	240	OPEN HOLE	25	25	DOMESTIC
25294	FREELAND BOROUGH	8/22/1962	AIR ROTARY	LUZERNE	41.01778	-75.89083		OPEN HOLE	72	40	PUBLIC SUPPLY
25295			OTHER/UNKNOWN	LUZERNE	41.01778	-76.08111	201	OPEN HOLE		30	DOMESTIC
25296	SHINER, WILTON	9/11/1967	AIR ROTARY	LUZERNE	41.01833	-76.20667	112	OPEN HOLE	3		DOMESTIC
25297	FULLER, DAVID	3/27/1974	AIR ROTARY	LUZERNE	41.01833	-76.21500	185	OPEN HOLE		67.4	DOMESTIC
25298	FREELAND BOROUGH	9/14/1955	CABLE TOOL	LUZERNE	41.01861	-75.89000	430	OPEN HOLE	200	22	PUBLIC SUPPLY
25299	MANTZ, R.	3/17/1976	CABLE TOOL	LUZERNE	41.01889	-75.86528	115	UNKNOWN	20	30	DOMESTIC
25300	HOLLY, A.	8/1/1978	AIR ROTARY	LUZERNE	41.01889	-76.05056	200	OPEN HOLE	25	40	DOMESTIC
25301	STRAW, F.	1/1/1981	OTHER/UNKNOWN	LUZERNE	41.02028	-75.99556	180	OPEN HOLE	25	40	DOMESTIC
25302				LUZERNE	41.02028	-76.04833	125				
25303	WYSOCKY,STANLEY		OTHER/UNKNOWN	LUZERNE	41.02167	-75.87750	105	UNKNOWN			DOMESTIC
25304	INTERSTATE TRAVEL SRV	4/1/1981	OTHER/UNKNOWN	LUZERNE	41.02167	-75.96583	360	OPEN HOLE		30	COMMERCIAL
25305	COMFORT,MR.		OTHER/UNKNOWN	LUZERNE	41.02167	-76.00083	50	OPEN END			DOMESTIC
25306	YODER,G.		OTHER/UNKNOWN	LUZERNE	41.02306	-76.19833	96	OPEN HOLE	6	55	DOMESTIC
25307	ROBBINS, JOHN	5/27/1976	OTHER/UNKNOWN	LUZERNE	41.02333	-76.22083	35	OPEN HOLE	12		DOMESTIC
25308				LUZERNE	41.02556	-75.89611	275				
25309	FREELAND WATER CO.	1/1/1914	OTHER/UNKNOWN	LUZERNE	41.02556	-75.89750	325	OPEN HOLE	10		PUBLIC SUPPLY
25310	FREELAND MUNICIPAL AUTHORITY		CABLE TOOL	LUZERNE	41.02556	-75.89750	275	OPEN HOLE	180	40	PUBLIC SUPPLY
25311	FREELAND BORO	10/4/1988	AIR ROTARY	LUZERNE	41.02556	-75.90583	600	OPEN HOLE	75	22.5	PUBLIC SUPPLY
25312	FREELAND MUN AUTH	11/7/1972	AIR ROTARY	LUZERNE	41.02583	-75.88833	405	OPEN HOLE	110	16	PUBLIC SUPPLY
25313	PHILLIPS	1/1/1928	OTHER/UNKNOWN	LUZERNE	41.02611	-76.08250	110	OPEN HOLE	5	40	DOMESTIC
25314	CALLAHAN	4/9/1974	AIR ROTARY	LUZERNE	41.02611	-76.18361	300	OPEN HOLE		160	DOMESTIC
25315	JEDDO HIGHLAND COAL	1/1/1913	OTHER/UNKNOWN	LUZERNE	41.02667	-75.86361	699	OPEN HOLE	60	50	PUBLIC SUPPLY

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Table 2.3-33 {Groundwater Wells Located within a 25 Mile (40-km) Radius of BBNPP (Listed in Pennsylvania Groundwater Information System)}

PA WELL ID	OWNER	DATE DRILLED	DRILLING METHOD	COUNTY	LATITUDE	LONGITUDE	WELL DEPTH (ft bgs)	WELL FINISH	WELL YIELD (gpm)	STATIC WATER LEVEL (ft bgs)	WATER USE
25316	ST. JOHN'S CHURCH	10/1/1980	OTHER/UNKNOWN	LUZERNE	41.02722	-76.00833	200	UNKNOWN	25	20	PUBLIC SUPPLY
25317	ST. JOHN'S CHURCH	7/1/1979	OTHER/UNKNOWN	LUZERNE	41.02806	-76.00806	160	UNKNOWN		34	PUBLIC SUPPLY
25318	GEORGE BURGER AND SONS	3/1/1981	AIR ROTARY	LUZERNE	41.02889	-76.04722	200	OPEN HOLE	9		DOMESTIC
25319	TROTSKY MR.		OTHER/UNKNOWN	LUZERNE	41.03111	-75.77750	150	OPEN HOLE	25	20	DOMESTIC
25320	SEWARO, HAROLD	2/17/1976	AIR ROTARY	LUZERNE	41.03139	-76.17167	245	OPEN HOLE	22	50	DOMESTIC
25321	MILLER MRS.	1/1/1928	OTHER/UNKNOWN	LUZERNE	41.03167	-75.77306	65	OPEN HOLE	5		DOMESTIC
25322	FREELAND WATER CO		OTHER/UNKNOWN	LUZERNE	41.03194	-75.90556	700	UNKNOWN	90		PUBLIC SUPPLY
25323	STECKER, D.	4/1/1980	AIR ROTARY	LUZERNE	41.03194	-76.00667	360	OPEN HOLE	25	40	DOMESTIC
25324	FREELAND WATER CO	1/1/1960	OTHER/UNKNOWN	LUZERNE	41.03250	-75.89611	700	OPEN HOLE	90		PUBLIC SUPPLY
25325	HUNSINGER, T.	12/1/1979	AIR ROTARY	LUZERNE	41.03278	-76.00806	200	OPEN HOLE	25	30	DOMESTIC
25326	STEINHAVER DONALD L	4/2/1974	AIR ROTARY	LUZERNE	41.03361	-76.17333	170	OPEN HOLE	25	35	DOMESTIC
25327	ADAMS, MARK	3/27/1974	AIR ROTARY	LUZERNE	41.03361	-76.18028	230	OPEN HOLE	18	30	DOMESTIC
25328		7/18/1974	AIR ROTARY	LUZERNE	41.03389	-76.17222	140	OPEN HOLE	15		DOMESTIC
25329	MOASCH,HENRY	1/1/1954	OTHER/UNKNOWN	LUZERNE	41.03417	-75.84917	90	UNKNOWN			DOMESTIC
25330	WHITMIRE	10/11/1974	AIR ROTARY	LUZERNE	41.03444	-76.17389	175	OPEN HOLE	6		DOMESTIC
25331	FREELAND WATER CO.		OTHER/UNKNOWN	LUZERNE	41.03472	-75.89944	150	OPEN HOLE			PUBLIC SUPPLY
25332	DEISENROTH H.	8/1/1980	OTHER/UNKNOWN	LUZERNE	41.03528	-75.96222	160	OPEN HOLE	25	12	DOMESTIC
25333	ATEN, TOM	7/17/1974	AIR ROTARY	LUZERNE	41.03611	-76.17472	125	OPEN HOLE	8		DOMESTIC
25334	FAIRCHILD,WALT.		OTHER/UNKNOWN	LUZERNE	41.03667	-75.85056	155	OPEN HOLE	63	20	RECREATION
25335				LUZERNE	41.03722	-75.85000					UNUSED
25336	HOOKS GARAGE		OTHER/UNKNOWN	LUZERNE	41.03806	-75.95556	100	UNKNOWN	8	20	COMMERCIAL
25337	SHANDRICK, L.	9/1/1980	AIR ROTARY	LUZERNE	41.03806	-76.01139	260	OPEN HOLE	25	20	DOMESTIC
25338	JEDDO HIGHLAND COAL	1/1/1914	OTHER/UNKNOWN	LUZERNE	41.03861	-75.86556	150	OPEN HOLE		40	INDUSTRIAL
25339	DEISCHAINE ROLAND	5/1/1974	AIR ROTARY	LUZERNE	41.03917	-76.13750	275	OPEN HOLE	20		DOMESTIC
25340	DINKBLACKER AND BALA		OTHER/UNKNOWN	LUZERNE	41.04028	-75.95639	92	UNKNOWN	11	30	DOMESTIC
25341	HOAK MR.		OTHER/UNKNOWN	LUZERNE	41.04083	-75.94917	65	OPEN HOLE	5	30	DOMESTIC
25342	BUTLER TOWNSHIPSCHOO	1/1/1930	OTHER/UNKNOWN	LUZERNE	41.04306	-75.95167	157	OPEN END	15	30	DOMESTIC
25343	LAKE OFTHE FOURSEASON	1/1/1972		LUZERNE	41.04333	-75.93083	690				PUBLIC SUPPLY
25344	BENJAMIN, ORVILLE	7/2/1974	AIR ROTARY	LUZERNE	41.04361	-76.19861	125	OPEN HOLE		20	DOMESTIC

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Table 2.3-33 {Groundwater Wells Located within a 25 Mile (40-km) Radius of BBNPP (Listed in Pennsylvania Groundwater Information System)}

PA WELL ID	OWNER	DATE DRILLED	DRILLING METHOD	COUNTY	LATITUDE	LONGITUDE	WELL DEPTH (ft bgs)	WELL FINISH	WELL YIELD (gpm)	STATIC WATER LEVEL (ft bgs)	WATER USE
25345	SHEAMAN,RUBEN		OTHER/UNKNOWN	LUZERNE	41.04417	-75.84500	100	UNKNOWN			DOMESTIC
25346	YDOCK,JOHN		OTHER/UNKNOWN	LUZERNE	41.04444	-75.83417	95	UNKNOWN			DOMESTIC
25347	COMER GAS STATI ON		OTHER/UNKNOWN	LUZERNE	41.04556	-75.78139	100	OPEN HOLE	5	65	COMMERCIAL
25348	SLOSSER,MR.		OTHER/UNKNOWN	LUZERNE	41.04639	-76.15056	138	UNKNOWN			DOMESTIC
25349	PENNHURST STATESCHOO			LUZERNE	41.04694	-75.78306	300				UNUSED
25350	PENNHURST STATESCHOO	1/1/1959	OTHER/UNKNOWN	LUZERNE	41.04722	-75.78194		UNKNOWN			INSTITUTIONAL
25351	LAKE OFTHE FOURSEASON	1/1/1972		LUZERNE	41.04722	-75.92361					PUBLIC SUPPLY
25352	PENNHURST STATESCHOO	1/1/1959	OTHER/UNKNOWN	LUZERNE	41.04806	-75.78111	500	UNKNOWN	90		INSTITUTIONAL
25353	PENNHURST STATESCHOO	1/1/1959	OTHER/UNKNOWN	LUZERNE	41.04889	-75.78028		UNKNOWN			INSTITUTIONAL
25354	KLINE, LARRY	2/19/1974	AIR ROTARY	LUZERNE	41.04944	-76.16556	140	OPEN HOLE			DOMESTIC
25357	PENNHURST STATE SCHO	1/1/1902	OTHER/UNKNOWN	LUZERNE	41.05222	-75.78056	450	UNKNOWN	18		INSTITUTIONAL
25358	WHITE HAVEN WATER CO		OTHER/UNKNOWN	LUZERNE	41.05222	-75.80083	700	OPEN HOLE			PUBLIC SUPPLY
25359	WHITE HAVEN WATER CO		OTHER/UNKNOWN	LUZERNE	41.05222	-75.80083	800	OPEN HOLE			PUBLIC SUPPLY
25360	PENNHURST STATESCHOO	1/1/1959	OTHER/UNKNOWN	LUZERNE	41.05472	-75.78417		UNKNOWN			INSTITUTIONAL
25361	PENNHURST STATE SCHO	1/1/1959	OTHER/UNKNOWN	LUZERNE	41.05500	-75.77944	500	UNKNOWN	60	134	INSTITUTIONAL
25362	PENNHURST STATE SCHO	1/1/1903	OTHER/UNKNOWN	LUZERNE	41.05500	-75.78639	440	UNKNOWN	30		INSTITUTIONAL
25363	PENNHURST STATESCHOO	1/1/1959	OTHER/UNKNOWN	LUZERNE	41.05556	-75.78472	500	UNKNOWN			INSTITUTIONAL
25364	PENNHURST STATE SCHO	1/1/1958	OTHER/UNKNOWN	LUZERNE	41.05583	-75.78306	450	UNKNOWN	41	166	INSTITUTIONAL
25365	DURAL, C.	3/1/1979	OTHER/UNKNOWN	LUZERNE	41.05583	-75.96139	160	OPEN HOLE		30	DOMESTIC
25366	RYMAN, WALTER	1/1/1980	AIR ROTARY	LUZERNE	41.05611	-76.21056	340	OPEN HOLE	35	81.8	STOCK
25367	WHITE HAVEN CENTER	8/19/1971	AIR ROTARY	LUZERNE	41.05750	-75.79556	500	SCREEN	130	30	IRRIGATION
25368	READLER,CALVIN P.		DUG	LUZERNE	41.05778	-76.09639	30	OPEN HOLE		27	DOMESTIC
25369	WHITEHAVEN STATE SCH	3/1/1962	CABLE TOOL	LUZERNE	41.05806	-75.79972	385	OPEN HOLE	250		INSTITUTIONAL
25370	PENNHURST STATE SCHOOL	4/9/1960	AIR ROTARY	LUZERNE	41.06028	-75.79944	397	OPEN HOLE		4	INSTITUTIONAL
25371	WHITE HAVEN CENTER	1/1/1950	CABLE TOOL	LUZERNE	41.06111	-75.79444	94	OPEN HOLE	8	50	INSTITUTIONAL

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PA WELL ID	OWNER	DATE DRILLED	DRILLING METHOD	COUNTY	LATITUDE	LONGITUDE	WELL DEPTH (ft bgs)	WELL FINISH	WELL YIELD (gpm)	STATIC WATER LEVEL (ft bgs)	WATER USE
25372	WHITE HAVEN MUN AUTH		CABLE TOOL	LUZERNE	41.06306	-75.78083	230	OPEN HOLE	183	40	PUBLIC SUPPLY
25373	LARSON,JAMES.	1/1/1929	OTHER/UNKNOWN	LUZERNE	41.06417	-75.77972	38	OPEN HOLE	15		DOMESTIC
25374	SEIGFRED WILLIAM	6/15/1976	OTHER/UNKNOWN	LUZERNE	41.06556	-76.21056	85	UNKNOWN	25	5	DOMESTIC
25375	ZETTLE, WILLIAM	1/1/1958	OTHER/UNKNOWN	LUZERNE	41.06639	-76.19694	196	OPEN HOLE		93.7	DOMESTIC
25376	W. ZIMSKI	9/1/1979	OTHER/UNKNOWN	LUZERNE	41.06694	-76.11444	245	UNKNOWN	15	45	DOMESTIC
25377	BEACH HAVEN COMMTY. BD	10/21/1968	AIR ROTARY	LUZERNE	41.06722	-76.17167	51	OPEN HOLE	40	12	DOMESTIC
25378	BREISCH CONKLIN	11/22/1976	AIR ROTARY	LUZERNE	41.06750	-76.10361	150	OPEN HOLE	10		DOMESTIC
25379	DAVENPORT, WELLINGTON			LUZERNE	41.06750	-76.17778				11.5	DOMESTIC
25380	BEACH HAVEN FIRE	4/13/1973	AIR ROTARY	LUZERNE	41.06806	-76.16167	100	OPEN HOLE	12	40	COMMERCIAL
25381	DAVIS,B.S.	1/1/1930	OTHER/UNKNOWN	LUZERNE	41.06889	-76.17500	102	OPEN HOLE	9	14	DOMESTIC
25382	PRICE, ROBERT B	8/25/1973	OTHER/UNKNOWN	LUZERNE	41.06917	-76.15194	125	UNKNOWN	9	48	DOMESTIC
25383	MOLYNEAUX, SHELDON	10/4/1974	AIR ROTARY	LUZERNE	41.06917	-76.16694	50	OPEN HOLE		2.46	DOMESTIC
25384	BURKE, RUSSEL	8/8/1973	AIR ROTARY	LUZERNE	41.06972	-76.16361	100	OPEN HOLE	8		DOMESTIC
25385	KILLIAN, GENE	3/30/1967	CABLE TOOL	LUZERNE	41.06972	-76.16750	100	OPEN HOLE	20	8.219512	DOMESTIC
25386	WOLFE, MALVERN	4/15/1970	OTHER/UNKNOWN	LUZERNE	41.07000	-76.13611	175	OPEN HOLE	5		DOMESTIC
25387	ZWOLINSKI, STEVEN	8/9/1968	CABLE TOOL	LUZERNE	41.07000	-76.16694	145	OPEN HOLE	20	36.01398	DOMESTIC
25388	KMETOVICZ, GENE	12/9/1967	CABLE TOOL	LUZERNE	41.07056	-76.17611	85	OPEN HOLE		22	DOMESTIC
25389	MOLNOR, STEVE	9/24/1976	OTHER/UNKNOWN	LUZERNE	41.07139	-76.16778	150	OPEN HOLE	6		DOMESTIC
25390	DIAUGSTINE NEBBIE	10/14/1974	AIR ROTARY	LUZERNE	41.07167	-76.19667	275	OPEN HOLE	4		DOMESTIC
25391	PRICE, ROBERT P	10/11/1967	CABLE TOOL	LUZERNE	41.07250	-76.15194	160	OPEN HOLE		63	DOMESTIC
25392	R. JECKELL	11/1/1979	AIR ROTARY	LUZERNE	41.07278	-76.02667	260	OPEN HOLE	6	40	DOMESTIC
25393	GRIFFIN, GEORGE	1/1/1957	OTHER/UNKNOWN	LUZERNE	41.07278	-76.15167	98	UNKNOWN		63	DOMESTIC
25394	PINTERICH, ROBERT	3/12/1976	AIR ROTARY	LUZERNE	41.07389	-76.22528	175	OPEN HOLE		35.7	DOMESTIC
25395	NAUNCZEK, BENNIE	5/2/1977	AIR ROTARY	LUZERNE	41.07389	-76.22611	125	OPEN HOLE		26	DOMESTIC
25396	NAUNCZEK, BENNIE	3/16/1976	AIR ROTARY	LUZERNE	41.07389	-76.22750	100	OPEN HOLE		14.9	COMMERCIAL
25397	MARKOVICH,M.J.	9/3/1930	OTHER/UNKNOWN	LUZERNE	41.07444	-76.14861	100	OPEN HOLE		30	DOMESTIC
25398	FOX, CLARENCE		OTHER/UNKNOWN	LUZERNE	41.07611	-76.13500	55	UNKNOWN			DOMESTIC
25399	WEISS,MR.		OTHER/UNKNOWN	LUZERNE	41.07722	-76.07944	75	UNKNOWN	12	25	DOMESTIC
25400	MURPHY,P.J. MR.		OTHER/UNKNOWN	LUZERNE	41.07861	-75.79083	120	OPEN HOLE	25	60	DOMESTIC
25401	M. PETERS	1/1/1981	AIR ROTARY	LUZERNE	41.07889	-76.09111	250	OPEN HOLE	10		DOMESTIC

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Table 2.3-33 {Groundwater Wells Located within a 25 Mile (40-km) Radius of BBNPP (Listed in Pennsylvania Groundwater Information System)}

PA WELL ID	OWNER	DATE DRILLED	DRILLING METHOD	COUNTY	LATITUDE	LONGITUDE	WELL DEPTH (ft bgs)	WELL FINISH	WELL YIELD (gpm)	STATIC WATER LEVEL (ft bgs)	WATER USE
25402	FEISSNOR, LARRY	3/9/1973	AIR ROTARY	LUZERNE	41.07972	-76.22611	175	OPEN HOLE	10	100	DOMESTIC
25403	NAUNCZEK, BENNIE	8/19/1971	AIR ROTARY	LUZERNE	41.08000	-76.22472	100	OPEN HOLE	12	30	DOMESTIC
25404	HOCK,A.		OTHER/UNKNOWN	LUZERNE	41.08167	-76.06528	110	UNKNOWN	8		DOMESTIC
25405	H. RATNIK	8/1/1977	AIR ROTARY	LUZERNE	41.08222	-76.01083	300	OPEN HOLE	10	28	DOMESTIC
25406	SALEM TWP.	1/4/1970	AIR ROTARY	LUZERNE	41.08222	-76.14056	175	OPEN HOLE	12		DOMESTIC
25407	D. SULT	8/1/1980	CABLE TOOL	LUZERNE	41.08278	-76.10889	200	OPEN HOLE		150	DOMESTIC
25408	MACYCZIK, B.	9/1/1977	OTHER/UNKNOWN	LUZERNE	41.08333	-75.99889	200	OPEN HOLE	30	50	DOMESTIC
25409	GOLOMB, DEBRA	4/25/1970	AIR ROTARY	LUZERNE	41.08333	-76.18556	125	OPEN HOLE		8.75	DOMESTIC
25410	GROBER,A.		OTHER/UNKNOWN	LUZERNE	41.08389	-76.10944	142	OPEN HOLE	7	65	DOMESTIC
25411	MINGLE INN		OTHER/UNKNOWN	LUZERNE	41.08417	-76.13972	150	UNKNOWN			COMMERCIAL
25412	SINK, WILLIAM H	1/1/1850	DUG	LUZERNE	41.08472	-76.15694	50	WALLED		4.85	DOMESTIC
25413	BOMBUSHIME HARRY	6/22/1973	AIR ROTARY	LUZERNE	41.08583	-76.22333	300	OPEN HOLE	6		DOMESTIC
25414	VARNER, ARTHUR	7/16/1974	AIR ROTARY	LUZERNE	41.08611	-76.19194	125	OPEN HOLE	7		DOMESTIC
25415	BARRY W. BLOSS	9/2/1971	OTHER/UNKNOWN	LUZERNE	41.08639	-76.06056	215	UNKNOWN		65	DOMESTIC
25416	KARCHNER, GERALD	11/9/1967	AIR ROTARY	LUZERNE	41.08639	-76.19139	130	OPEN HOLE	10	25	DOMESTIC
25417	MCCOY, DONALD	7/4/1974	AIR ROTARY	LUZERNE	41.08667	-76.22444	250	OPEN HOLE	6		DOMESTIC
25418	KENNEDY, MICHAEL	7/5/1974	AIR ROTARY	LUZERNE	41.08694	-76.22278	250	OPEN HOLE	7		DOMESTIC
25419	MONT, MICHAIL	10/23/1972	AIR ROTARY	LUZERNE	41.08722	-76.13917	100	OPEN HOLE		5.28	DOMESTIC
25420	KNORR, SAMUEL	6/18/1967	CABLE TOOL	LUZERNE	41.08861	-76.18750	117	OPEN HOLE		32.8	DOMESTIC
25421	VANDERMARK WILSON	1/1/1959	OTHER/UNKNOWN	LUZERNE	41.08889	-76.19250	90	OPEN HOLE		64.8	DOMESTIC
25422	PA. POWER AND LIGHT	10/16/1970	OTHER/UNKNOWN	LUZERNE	41.09028	-76.14444		OPEN HOLE		5.4	UNUSED
25423	KESSLER, HAROLD	9/14/1973	AIR ROTARY	LUZERNE	41.09028	-76.22333	300	OPEN HOLE	5		DOMESTIC
25424	BOGNAR, RICHARD	6/1/1976	AIR ROTARY	LUZERNE	41.09056	-76.20222	200	OPEN HOLE	25	60	DOMESTIC
25425	PA. POWER AND LIGHT	12/14/1970	OTHER/UNKNOWN	LUZERNE	41.09083	-76.14472		OPEN HOLE		21	UNUSED
25426	PA. POWER AND LIGHT	9/29/1970	OTHER/UNKNOWN	LUZERNE	41.09194	-76.14417		OPEN HOLE		17	UNUSED
25427	PA. POWER AND LIGHT	11/18/1970	OTHER/UNKNOWN	LUZERNE	41.09194	-76.14778		OPEN HOLE		6.75	UNUSED
25428	BOGART, LARUE	10/25/1976	AIR ROTARY	LUZERNE	41.09250	-76.20667	125	OPEN HOLE	7		DOMESTIC
25429	PA. POWER AND LIGHT	8/1/1972	OTHER/UNKNOWN	LUZERNE	41.09278	-76.13306	55	UNKNOWN			UNUSED
25430	PA. POWER AND LIGHT	10/20/1970	OTHER/UNKNOWN	LUZERNE	41.09278	-76.14361		OPEN HOLE		27.1	UNUSED
25431	PA. POWER AND LIGHT	11/16/1970	OTHER/UNKNOWN	LUZERNE	41.09278	-76.14472		OPEN HOLE		26.1	UNUSED
25432	PA. POWER AND LIGHT	11/20/1970	OTHER/UNKNOWN	LUZERNE	41.09278	-76.14778		OPEN HOLE		34.1	UNUSED
25433	PA. POWER AND LIGHT	8/1/1972	OTHER/UNKNOWN	LUZERNE	41.09361	-76.13444	23	UNKNOWN			UNUSED

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PA WELL ID	OWNER	DATE DRILLED	DRILLING METHOD	COUNTY	LATITUDE	LONGITUDE	WELL DEPTH (ft bgs)	WELL FINISH	WELL YIELD (gpm)	STATIC WATER LEVEL (ft bgs)	WATER USE
25434	PA. POWER AND LIGHT	11/18/1970	OTHER/UNKNOWN	LUZERNE	41.09389	-76.14417		OPEN HOLE		28	UNUSED
25435	FEY,CHARLES		OTHER/UNKNOWN	LUZERNE	41.09417	-75.99861	89	OPEN HOLE		22	DOMESTIC
25436	PA. POWER AND LIGHT	8/1/1972	OTHER/UNKNOWN	LUZERNE	41.09417	-76.13250	75	UNKNOWN	9	24.5	INDUSTRIAL
25437	PA. POWER AND LIGHT	10/6/1970	OTHER/UNKNOWN	LUZERNE	41.09417	-76.14333		OPEN HOLE		31.7	UNUSED
25438	PA. POWER AND LIGHT	10/8/1970	OTHER/UNKNOWN	LUZERNE	41.09417	-76.14778		OPEN HOLE		18	UNUSED
25439	PA. POWER AND LIGHT	10/6/1970	OTHER/UNKNOWN	LUZERNE	41.09500	-76.14500		OPEN HOLE		29.7	UNUSED
25440	PA. POWER AND LIGHT	10/14/1970	OTHER/UNKNOWN	LUZERNE	41.09528	-76.14361		OPEN HOLE		14.8	OTHER
25441	PA. POWER AND LIGHT	10/9/1970	OTHER/UNKNOWN	LUZERNE	41.09528	-76.14472		OPEN HOLE		62.3	UNUSED
25442	PA. POWER AND LIGHT	11/9/1970	OTHER/UNKNOWN	LUZERNE	41.09556	-76.14472		OPEN HOLE		35.7	UNUSED
25443	PA. POWER AND LIGHT	10/29/1970	OTHER/UNKNOWN	LUZERNE	41.09556	-76.14667		OPEN HOLE		65.2	UNUSED
25444	PA. POWER AND LIGHT		OTHER/UNKNOWN	LUZERNE	41.09583	-76.13028	44	UNKNOWN		13	UNUSED
25445	PA. POWER AND LIGHT	10/23/1970	OTHER/UNKNOWN	LUZERNE	41.09583	-76.14556		OPEN HOLE		54.5	UNUSED
25446	PA. POWER AND LIGHT	11/12/1970	OTHER/UNKNOWN	LUZERNE	41.09611	-76.14417		OPEN HOLE		29.2	UNUSED
25447	PA. POWER AND LIGHT	10/29/1970	OTHER/UNKNOWN	LUZERNE	41.09611	-76.14472		OPEN HOLE		32.2	UNUSED
25448	PA. POWER AND LIGHT	10/21/1970	OTHER/UNKNOWN	LUZERNE	41.09694	-76.14500		OPEN HOLE			UNUSED
25449	RHINARD, VIRGIL	10/27/1966	AIR ROTARY	LUZERNE	41.09750	-76.21556	95	OPEN HOLE	9	25	DOMESTIC
25450	PA. POWER AND LIGHT	11/10/1970	OTHER/UNKNOWN	LUZERNE	41.09778	-76.14500		OPEN HOLE			UNUSED
25451	PA. POWER AND LIGHT	1/16/1973	OTHER/UNKNOWN	LUZERNE	41.09833	-76.13028	91	UNKNOWN			UNUSED
25452	SACHS, J.	11/1/1980	OTHER/UNKNOWN	LUZERNE	41.09889	-75.95583	200	OPEN HOLE	12	35	DOMESTIC
25453	HESS,RALPH	1/1/1950	OTHER/UNKNOWN	LUZERNE	41.10083	-76.09806	397	UNKNOWN			UNUSED
25454	JOHN WINTERGRASS	9/22/1978	AIR ROTARY	LUZERNE	41.10111	-76.00500	135	OPEN HOLE	10	15	DOMESTIC
25455	KRISANDA, JOHN	7/8/1975	AIR ROTARY	LUZERNE	41.10111	-76.17167	100	OPEN HOLE	6		DOMESTIC
25456	PA. POWER AND LIGHT	10/12/1977	OTHER/UNKNOWN	LUZERNE	41.10250	-76.13722	100	OPEN HOLE		24.6	DOMESTIC
25457	HUFFMAN,HERBERT		OTHER/UNKNOWN	LUZERNE	41.10361	-76.00750	60	UNKNOWN	1	30	DOMESTIC
25458	PA. POWER AND LIGHT	1/11/1973	OTHER/UNKNOWN	LUZERNE	41.10361	-76.13194	54	UNKNOWN		16	UNUSED
25459	SWITZER, JIM	11/9/1972	AIR ROTARY	LUZERNE	41.10472	-76.21194	75	OPEN HOLE		35	DOMESTIC
25460	HOFFMAN, C.	11/1/1979	OTHER/UNKNOWN	LUZERNE	41.10500	-75.98722	225	OPEN HOLE	7		DOMESTIC
25461	HONSE, GEORGE	12/26/1975	AIR ROTARY	LUZERNE	41.10500	-76.17639	150	OPEN HOLE	5		DOMESTIC
25462	PETERS, FRANK	1/27/1972	AIR ROTARY	LUZERNE	41.10639	-76.18167	130	OPEN HOLE		10	DOMESTIC
25463	HUMMEL, FRED	5/7/1976	AIR ROTARY	LUZERNE	41.10667	-76.13806	90	UNKNOWN	10		PUBLIC SUPPLY
25464	PETERS, FRANK	8/13/1976	AIR ROTARY	LUZERNE	41.10667	-76.18083	150	OPEN HOLE	6		DOMESTIC
25465	GUNTHER, BART	9/9/1967	AIR ROTARY	LUZERNE	41.10667	-76.21556	215	OPEN HOLE	3.5	80	DOMESTIC

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25466	DALBERTO, NICK	8/12/1976	AIR ROTARY	LUZERNE	41.10694	-76.18278	150	OPEN HOLE	6		UNUSED
25467	WINTERGRASS,MR.		OTHER/UNKNOWN	LUZERNE	41.10722	-76.00694	75	OPEN HOLE	3	30	DOMESTIC
25468	REICHARD, PAUL	1/7/1973	AIR ROTARY	LUZERNE	41.10778	-76.18250	125	OPEN HOLE		45	DOMESTIC
25469	SIESKO,EMIL	9/3/1930	OTHER/UNKNOWN	LUZERNE	41.10806	-76.13833	148	OPEN END		48	DOMESTIC
25470	KELLER, EARL	6/26/1973	AIR ROTARY	LUZERNE	41.10361	-76.21167	125	OPEN HOLE	8		DOMESTIC
25471	SITLER, LEMUEL	9/24/1973	AIR ROTARY	LUZERNE	41.10944	-76.17778	100	OPEN HOLE	12		DOMESTIC
25472	A. RINEHIMER	5/1/1981	AIR ROTARY	LUZERNE	41.11083	-76.01000	350	OPEN HOLE	5	25	DOMESTIC
25473	HOLLOWAY, THOMAS	10/3/1974	AIR ROTARY	LUZERNE	41.11278	-76.18250	125	OPEN HOLE	6		DOMESTIC
25474	BAER, RUSSEL	7/8/1975	AIR ROTARY	LUZERNE	41.11306	-76.16361	125	OPEN HOLE	10		DOMESTIC
25475	BLOOM, FRANK	10/19/1976	AIR ROTARY	LUZERNE	41.11306	-76.18889	150	OPEN HOLE	8		DOMESTIC
25476	KNIES,MR.	1/1/1907	OTHER/UNKNOWN	LUZERNE	41.11389	-75.94917	60	UNKNOWN			DOMESTIC
25477	EVANS,MR.		OTHER/UNKNOWN	LUZERNE	41.12028	-75.95444	150	UNKNOWN	0.08	50	DOMESTIC
25478	JOHNS,TESSIE		OTHER/UNKNOWN	LUZERNE	41.12056	-75.91139	90	OPEN END	10	20	DOMESTIC
25479	BRONSON,MR.		OTHER/UNKNOWN	LUZERNE	41.12222	-75.92944	76	OPEN HOLE	11	20	DOMESTIC
25480	FRANK BUTZ	3/30/1979	AIR ROTARY	LUZERNE	41.12250	-76.12000	200	OPEN HOLE	30	30	DOMESTIC
25481	CRISBELL, WILLIAM	11/22/1972	AIR ROTARY	LUZERNE	41.12278	-76.16778	110	OPEN HOLE		35	UNUSED
25482	YERMA, P.	3/1/1980	OTHER/UNKNOWN	LUZERNE	41.12361	-75.95972	220	OPEN HOLE	35	35	DOMESTIC
25483	DANIEL LUTZ	1/1/1981	OTHER/UNKNOWN	LUZERNE	41.12417	-76.06028	125	OPEN HOLE	12		DOMESTIC
25484	CISCO,MR.		OTHER/UNKNOWN	LUZERNE	41.12639	-76.14417	145	OPEN HOLE	25	25	DOMESTIC
25486	B. GENSEL	6/1/1977	AIR ROTARY	LUZERNE	41.13083	-76.22778	175	OPEN HOLE	6		DOMESTIC
25487	K. SHARETTS	2/1/1981	AIR ROTARY	LUZERNE	41.13222	-76.07917	350	OPEN HOLE	2	40	DOMESTIC
25488	RODNEY DEETS	1/20/1978	AIR ROTARY	LUZERNE	41.13250	-76.04694	315	OPEN HOLE			DOMESTIC
25489	J. KOTRASKI	1/1/1978	CABLE TOOL	LUZERNE	41.13333	-76.08806	180	UNKNOWN	25	30	DOMESTIC
25490	IRA STEIN	7/7/1978	AIR ROTARY	LUZERNE	41.13444	-76.04500	145	OPEN HOLE	20	15	DOMESTIC
25491	BRUSH, C.	5/1/1980	OTHER/UNKNOWN	LUZERNE	41.13556	-75.98556	242	OPEN HOLE		25	DOMESTIC
25492	BALLIET, FRED	10/10/1978	AIR ROTARY	LUZERNE	41.13556	-75.99611	300	UNKNOWN	4	40	DOMESTIC
25493	J. ROBINSON	4/1/1979	AIR ROTARY	LUZERNE	41.14000	-76.21500	200	OPEN HOLE	8		DOMESTIC
25494	SPAIDE	8/1/1979	AIR ROTARY	LUZERNE	41.14167	-76.04750	150	OPEN HOLE	40	10	DOMESTIC
25495	BUTTON, F.	12/1/1980	OTHER/UNKNOWN	LUZERNE	41.14194	-75.98944	345	OPEN HOLE	3	25	DOMESTIC
25496	W. KISHBAUGH	5/1/1979	AIR ROTARY	LUZERNE	41.14222	-76.19667	150	OPEN HOLE	12		DOMESTIC
25497	BERKEISER,P.		OTHER/UNKNOWN	LUZERNE	41.14444	-75.87000	120	OPEN END	8	30	DOMESTIC
25498	L. LYNN	11/1/1980	AIR ROTARY	LUZERNE	41.14639	-76.03889	150	OPEN HOLE	15	20	DOMESTIC

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25499	EVERIT, K.	9/16/1974	AIR ROTARY	LUZERNE	41.14694	-76.23139	400	OPEN HOLE	5		DOMESTIC
25500	DALBERT, C.	8/1/1977	OTHER/UNKNOWN	LUZERNE	41.14722	-75.96056	150	OPEN HOLE	5	30	DOMESTIC
25501	KIRBI F.M.		OTHER/UNKNOWN	LUZERNE	41.14889	-75.86083	565	UNKNOWN	20	215	DOMESTIC
25502	EVANS,EVAN		OTHER/UNKNOWN	LUZERNE	41.14889	-76.02111	110	OPEN HOLE	8	40	DOMESTIC
25503		1/1/1950	OTHER/UNKNOWN	LUZERNE	41.15083	-76.09500	752	OPEN HOLE		13	UNUSED
25504	RUMPELLI,GEORGE		OTHER/UNKNOWN	LUZERNE	41.15167	-75.95250	60	UNKNOWN	3		DOMESTIC
25505	W. WOMELSDORF	3/1/1981	OTHER/UNKNOWN	LUZERNE	41.15222	-76.02111	190	OPEN HOLE	15	20	DOMESTIC
25506	T. JARONSKI	1/1/1978	AIR ROTARY	LUZERNE	41.15222	-76.09278	150	OPEN HOLE	6	5	DOMESTIC
25507	BILLINGS,ANGELO	1/1/1939	OTHER/UNKNOWN	LUZERNE	41.15278	-76.08583	51	UNKNOWN			DOMESTIC
25508	MOUNTAIN INN	1/1/1955	OTHER/UNKNOWN	LUZERNE	41.15389	-76.08444	81	UNKNOWN	10	20	COMMERCIAL
25509	MILROY,MR.	1/1/1930	OTHER/UNKNOWN	LUZERNE	41.15444	-75.89472	65	OPEN HOLE	20	28	DOMESTIC
25510	T. STAIR	4/1/1980	AIR ROTARY	LUZERNE	41.15444	-76.02222	175	OPEN HOLE		40	DOMESTIC
25511	D BARRETTS	12/11/1980	OTHER/UNKNOWN	LUZERNE	41.15639	-76.19694	235	OPEN HOLE	8	62	DOMESTIC
25512	STEMRICK, T.	1/1/1978	AIR ROTARY	LUZERNE	41.15694	-75.94361	275	UNKNOWN	4		DOMESTIC
25513	WAMBOLDT,MARTIN		OTHER/UNKNOWN	LUZERNE	41.15722	-75.97889	126	OPEN HOLE	11	40	DOMESTIC
25514	SELECKY,FRANK,M R.	1/1/1955	OTHER/UNKNOWN	LUZERNE	41.15722	-76.15583	62	UNKNOWN	40		DOMESTIC
25515			OTHER/UNKNOWN	LUZERNE	41.15778	-75.89056	52	OPEN HOLE	6		DOMESTIC
25516	BALSHAMER,JAKE	10/7/1930	OTHER/UNKNOWN	LUZERNE	41.15889	-76.15611	47	OPEN END		7	DOMESTIC
25517	NESSIMER, R.	7/1/1979	OTHER/UNKNOWN	LUZERNE	41.15972	-75.96750	300	OPEN HOLE	8	30	DOMESTIC
25518	SCHARTZ, P.	9/1/1977	OTHER/UNKNOWN	LUZERNE	41.16028	-75.93583	185	OPEN HOLE	20	6	DOMESTIC
25519	MILLER,MR.		OTHER/UNKNOWN	LUZERNE	41.16167	-75.96361	110	UNKNOWN	11	40	DOMESTIC
25520	PURVIN, J.	7/1/1980	OTHER/UNKNOWN	LUZERNE	41.16861	-75.93361	300	OPEN HOLE	6	40	DOMESTIC
25521	CAREY,MR.	10/7/1930	OTHER/UNKNOWN	LUZERNE	41.16944	-76.16833	63	OPEN HOLE		30	DOMESTIC
25522	RUSHIN,ANDREW E.			LUZERNE	41.17028	-76.00694	100				DOMESTIC
25523	KIBLER,DANIEL W.	1/1/1951	OTHER/UNKNOWN	LUZERNE	41.17056	-76.00444	92	UNKNOWN		10	DOMESTIC
25524			OTHER/UNKNOWN	LUZERNE	41.17139	-75.87778	125	UNKNOWN	11	40	DOMESTIC
25525	EAST ALDEN COAL CO.		OTHER/UNKNOWN	LUZERNE	41.17250	-75.99972	420	OPEN HOLE	6	6	INDUSTRIAL
25526	E. SORBER	3/10/1978	OTHER/UNKNOWN	LUZERNE	41.17306	-76.16333	325	OPEN HOLE	3	18	DOMESTIC
25527	DEMCHAK,JEROME	1/1/1946	OTHER/UNKNOWN	LUZERNE	41.17639	-75.96333	100	UNKNOWN	6	30	DOMESTIC
25528	HORN,VAN,DR.	1/1/1915	OTHER/UNKNOWN	LUZERNE	41.17778	-76.26083	200	UNKNOWN			DOMESTIC
25529	DR. JOC. BITTENHENDER	10/15/1981	OTHER/UNKNOWN	LUZERNE	41.18083	-76.22583	255	UNKNOWN	5	25	DOMESTIC
25530	RETREAT STATE HOSPIT		OTHER/UNKNOWN	LUZERNE	41.18528	-76.09583	68	UNKNOWN	20	20	UNUSED

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25531	RETREAT COUNTY POOR		OTHER/UNKNOWN	LUZERNE	41.18611	-76.08083	807	OPEN HOLE	65	30	INSTITUTIONAL
25532	J. JOHNSON	7/1/1977	AIR ROTARY	LUZERNE	41.18611	-76.17306	300	OPEN HOLE	8		DOMESTIC
25533	RETREAT STATE HOSPIT	1/1/1922	OTHER/UNKNOWN	LUZERNE	41.18722	-76.08389	800	OPEN HOLE	133	300	INSTITUTIONAL
25535	RETREAT MENTAL HOSPI		OTHER/UNKNOWN	LUZERNE	41.18806	-76.08417	60	SCREEN	550	28	INSTITUTIONAL
25536	L. HONTZ	3/16/1979	AIR ROTARY	LUZERNE	41.18806	-76.13472	300	OPEN HOLE	3		DOMESTIC
25537	RETREAT STATE H OSPI	1/1/1926	OTHER/UNKNOWN	LUZERNE	41.18833	-76.08361	60	GRAVEL PAC	550	28	UNUSED
25538	LORD,J.		OTHER/UNKNOWN	LUZERNE	41.19083	-76.21333	140	OPEN HOLE	10	30	DOMESTIC
25539	SCRANTON SPRINGBROOK		OTHER/UNKNOWN	LUZERNE	41.19306	-75.91750	550	UNKNOWN			PUBLIC SUPPLY
25540	JOE ZOLKEVICH	7/1/1975	AIR ROTARY	LUZERNE	41.19333	-76.30222	200	OPEN HOLE	6		DOMESTIC
25541	CENTRAL POOR DISTRIC		OTHER/UNKNOWN	LUZERNE	41.19611	-76.09167	557	OPEN HOLE	3		PUBLIC SUPPLY
25542	SCRANTON SPRINGBROOK			LUZERNE	41.19639	-75.89222	550				PUBLIC SUPPLY
25543	HAGENBAUGH,H.C.	1/1/1926	OTHER/UNKNOWN	LUZERNE	41.19778	-76.30667	86	UNKNOWN	2	46	DOMESTIC
25544	KEN TRIPP	5/18/1976	AIR ROTARY	LUZERNE	41.19861	-76.26972	300	UNKNOWN	3		DOMESTIC
25545				LUZERNE	41.19944	-75.96444					UNUSED
25546	LUZERNE COUNTY GAS A		OTHER/UNKNOWN	LUZERNE	41.20639	-76.06944	253	UNKNOWN	18	50	INDUSTRIAL
25547				LUZERNE	41.20750	-76.00611					UNUSED
25548	KIESEL,MR.		OTHER/UNKNOWN	LUZERNE	41.20889	-76.08639	50	OPEN END	10	10	DOMESTIC
25549				LUZERNE	41.20917	-76.00194					UNUSED
25550	WHITESELL,RALPH	1/1/1942	OTHER/UNKNOWN	LUZERNE	41.20917	-76.05722	100	UNKNOWN	10	20	DOMESTIC
25552	SABLE,MR.		DRIVEN	LUZERNE	41.21250	-76.04306	52	UNKNOWN			DOMESTIC
25553	SWITHERS A.		DRIVEN	LUZERNE	41.21361	-76.04222	30	OPEN END			DOMESTIC
25554	RATCHFORD,J.W.		OTHER/UNKNOWN	LUZERNE	41.21611	-76.00944	175	OPEN HOLE	10		BOTTLING
25555	SUNSET INN		OTHER/UNKNOWN	LUZERNE	41.21694	-75.82083	80	OPEN HOLE	10	50	COMMERCIAL
25556	JOHN DORGINSKY	1/1/1977	AIR ROTARY	LUZERNE	41.21694	-76.23278	215	OPEN HOLE	2.5		DOMESTIC
25557	SCRANTON SPRING BROO		OTHER/UNKNOWN	LUZERNE	41.21778	-75.86444		UNKNOWN	24		PUBLIC SUPPLY
25558	LESCO-BARNEY		DUG	LUZERNE	41.21833	-75.97972	26	GRAVEL PAC	100	16	IRRIGATION
25559	ROWE,CHARLES		OTHER/UNKNOWN	LUZERNE	41.22028	-76.02889	355	OPEN HOLE	3	80	DOMESTIC
25560	T. MARVIN	8/1/1980	CABLE TOOL	LUZERNE	41.22111	-76.16278	300	OPEN HOLE	3	245	DOMESTIC
25561	MILLER, R.	8/18/1980	OTHER/UNKNOWN	LUZERNE	41.22139	-75.83667	500	OPEN HOLE	60		PUBLIC SUPPLY
25562	MEDLY,JAMES	1/1/1914	OTHER/UNKNOWN	LUZERNE	41.22167	-76.02139	154	OPEN HOLE	12		DOMESTIC

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Table 2.3-33 {Groundwater Wells Located within a 25 Mile (40-km) Radius of BBNPP (Listed in Pennsylvania Groundwater Information System)}

PA WELL ID	OWNER	DATE DRILLED	DRILLING METHOD	COUNTY	LATITUDE	LONGITUDE	WELL DEPTH (ft bgs)	WELL FINISH	WELL YIELD (gpm)	STATIC WATER LEVEL (ft bgs)	WATER USE
25563	D. ROBERTS	9/1/1980	OTHER/UNKNOWN	LUZERNE	41.22222	-76.27444	117	UNKNOWN	6	38	DOMESTIC
25564	A. GASHI	7/1/1980	CABLE TOOL	LUZERNE	41.22278	-76.19528	135	OPEN HOLE	6	120	DOMESTIC
25565	THOMPSON, J.	1/1/1981	DRIVEN	LUZERNE	41.22500	-76.11444	300	OPEN HOLE	1	28	DOMESTIC
25566				LUZERNE	41.22528	-75.93694					UNUSED
25567				LUZERNE	41.22611	-75.93694					UNUSED
25568	HINES, D.	11/1/1980	CABLE TOOL	LUZERNE	41.22722	-76.08111	190	OPEN HOLE	4	56	DOMESTIC
25569				LUZERNE	41.23056	-75.92222					UNUSED
25570	BAPTIST CHURCH		OTHER/UNKNOWN	LUZERNE	41.23083	-76.12667		OPEN END	10	55	DOMESTIC
25571	HERBERT HARGRAVES	8/24/1979	CABLE TOOL	LUZERNE	41.23250	-76.11833	120	UNKNOWN	5	60	DOMESTIC
25572	POLANDER,MIKE		OTHER/UNKNOWN	LUZERNE	41.23361	-76.17139	115	OPEN HOLE	0.08	63	DOMESTIC
25573	BLOOMINGDALE CHURCH		OTHER/UNKNOWN	LUZERNE	41.23389	-76.18611	75	OPEN HOLE	7	18	DOMESTIC
25574	THOMAS,G.		OTHER/UNKNOWN	LUZERNE	41.23528	-75.80111	142	OPEN HOLE		28	DOMESTIC
25575	THOMAS,G.		OTHER/UNKNOWN	LUZERNE	41.23611	-75.80167	94	OPEN HOLE		40	DOMESTIC
25576	SCRANTON SPRINGBROOK			LUZERNE	41.23972	-75.97222	1040				PUBLIC SUPPLY
25577	SCRANTON SPRINGBROOK			LUZERNE	41.24000	-75.97167	1950				PUBLIC SUPPLY
25578	MEYERS HIGH SCHOOL		OTHER/UNKNOWN	LUZERNE	41.24167	-75.89639	210	OPEN HOLE	2		UNUSED
25579	MEYERS HIGH SCHOOL		OTHER/UNKNOWN	LUZERNE	41.24167	-75.89639	115	OPEN HOLE			UNUSED
25580	MARTZ,FRANK	1/1/1929	OTHER/UNKNOWN	LUZERNE	41.24167	-75.90778	180	OPEN HOLE	50	60	DOMESTIC
25581	MARTZ BUSLINES	1/1/1926	OTHER/UNKNOWN	LUZERNE	41.24278	-75.90750	0	UNKNOWN	500	18	UNUSED
25582	BUD HESS	5/31/1974	AIR ROTARY	LUZERNE	41.24417	-76.30083	275	OPEN HOLE	6		DOMESTIC
25583	LONG,ELIAS		OTHER/UNKNOWN	LUZERNE	41.24500	-76.21694	99	OPEN HOLE	5	50	DOMESTIC
25584	THOMAS C.THOMASCO.		OTHER/UNKNOWN	LUZERNE	41.24528	-75.87667	97	UNKNOWN	120	19	UNUSED
25585	SWIFT AND CO.	1/1/1937	OTHER/UNKNOWN	LUZERNE	41.24583	-75.87611	40	SCREEN	60	10	INDUSTRIAL
25586			DUG	LUZERNE	41.24722	-75.96833	30	UNKNOWN		4	DOMESTIC
25587	SMITH,E.G.	9/4/1930	OTHER/UNKNOWN	LUZERNE	41.24722	-76.30833	36	UNKNOWN		25	DOMESTIC
25588	SMITH,E.G.	9/4/1930	OTHER/UNKNOWN	LUZERNE	41.24722	-76.30833	1500	UNKNOWN		25	UNUSED
25589	WEITZEL M.E.CHU RCH		OTHER/UNKNOWN	LUZERNE	41.24778	-76.13306	60	OPEN HOLE	8	20	DOMESTIC
25590	PRICE,JOHN	1/1/1932	DUG	LUZERNE	41.25250	-75.90000	31	UNKNOWN		11	UNUSED
25591	VESLOSKI, T.	5/22/1975	AIR ROTARY	LUZERNE	41.25306	-75.77278	200	UNKNOWN	18	1	DOMESTIC
25592	SHAW,ROBERT		OTHER/UNKNOWN	LUZERNE	41.25861	-76.20556	104	UNKNOWN		50	DOMESTIC

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Table 2.3-33 {Groundwater Wells Located within a 25 Mile (40-km) Radius of BBNPP (Listed in Pennsylvania Groundwater Information System)}

PA WELL ID	OWNER	DATE DRILLED	DRILLING METHOD	COUNTY	LATITUDE	LONGITUDE	WELL DEPTH (ft bgs)	WELL FINISH	WELL YIELD (gpm)	STATIC WATER LEVEL (ft bgs)	WATER USE
25593	LASKOWSKI,B.G.	1/1/1921	OTHER/UNKNOWN	LUZERNE	41.25972	-76.00056	119	OPEN HOLE		20	DOMESTIC
25594	LESKO-BARNEY	1/1/1928	DUG	LUZERNE	41.26278	-75.90556	16	OPEN HOLE	550	14	UNUSED
25595	U S G S	1/1/1966	DRIVEN	LUZERNE	41.26306	-75.88000	33	OPEN END		10	UNUSED
25596	WARMAN, L.	10/1/1978	OTHER/UNKNOWN	LUZERNE	41.26389	-75.94361	225	OPEN HOLE	12	10	DOMESTIC
25597	SCRANTON SPRINGBROOK			LUZERNE	41.26833	-75.92778	1000				PUBLIC SUPPLY
25598	GREGORY,AL		OTHER/UNKNOWN	LUZERNE	41.26972	-75.95444	200	OPEN HOLE			DOMESTIC
25599	GREGORY,AL		OTHER/UNKNOWN	LUZERNE	41.27056	-75.95444	350	UNKNOWN			DOMESTIC
25600	PRICE,ED		OTHER/UNKNOWN	LUZERNE	41.27194	-75.95722	60	UNKNOWN			DOMESTIC
25601	BELINE,W.		OTHER/UNKNOWN	LUZERNE	41.27194	-75.99056	185	OPEN HOLE	8	6	DOMESTIC
25602	BUREAU OF MINES	1/1/1971	AIR ROTARY	LUZERNE	41.27250	-75.90333	98	OPEN HOLE		38	UNUSED
25603	SHERIN,WALTER		DUG	LUZERNE	41.27528	-75.93222	5	UNKNOWN		2	DOMESTIC
25604	WYOMING VALLEY REALT		OTHER/UNKNOWN	LUZERNE	41.27528	-76.09222	700	UNKNOWN	6	300	COMMERCIAL
25605	STATE CORRECTIO NAL	1/1/1955	OTHER/UNKNOWN	LUZERNE	41.27583	-76.02083	220	OPEN HOLE	325	16	INSTITUTIONAL
25606	MEADOWCRES WATER SERV	11/11/1970	OTHER/UNKNOWN	LUZERNE	41.28000	-75.96667	300	UNKNOWN		30	PUBLIC SUPPLY
25607	MEADOWCRES WATER SERV	12/14/1970	OTHER/UNKNOWN	LUZERNE	41.28000	-75.96667	300	UNKNOWN	47		PUBLIC SUPPLY
25608	CHASEMANOR WATER CO.		OTHER/UNKNOWN	LUZERNE	41.28222	-75.97306	312	UNKNOWN	100		PUBLIC SUPPLY
25609	OMALIA,LARRY	1/1/1951	OTHER/UNKNOWN	LUZERNE	41.28250	-75.86194	80	OPEN END		20	UNUSED
25610				LUZERNE	41.28417	-75.85556					UNUSED
25611	JOHNSON,IRA		OTHER/UNKNOWN	LUZERNE	41.28444	-75.96472	320	UNKNOWN	6	25	DOMESTIC
25612	PRUTZMAN,MR.		OTHER/UNKNOWN	LUZERNE	41.28500	-75.96389	51	OPEN HOLE	10	6	DOMESTIC
25613	OWENS, ILLINOIS	2/1/1981	OTHER/UNKNOWN	LUZERNE	41.28528	-75.77167	141	OPEN HOLE	114	30	UNUSED
25614	VAN ORTON,IRA	1/1/1927	OTHER/UNKNOWN	LUZERNE	41.28583	-75.96500	36	UNKNOWN	10	8	DOMESTIC
25615	OLIVER,FRANK		OTHER/UNKNOWN	LUZERNE	41.28889	-76.14806	206	UNKNOWN	40	60	DOMESTIC
25616	BECKER,J.J.		OTHER/UNKNOWN	LUZERNE	41.29083	-75.96806	300	OPEN HOLE	60	60	DOMESTIC
25617	COMMUNITY WELL		OTHER/UNKNOWN	LUZERNE	41.29111	-76.14167	174	UNKNOWN	40	30	PUBLIC SUPPLY
25619	COMMONWEALTH OFPENNS		OTHER/UNKNOWN	LUZERNE	41.29889	-76.27417	167	UNKNOWN		34	UNUSED
25620	DEPARTMENT OF F ORES		OTHER/UNKNOWN	LUZERNE	41.29917	-76.27444	0	UNKNOWN		38	DOMESTIC
25621	FIELDCREST WATER CO.		OTHER/UNKNOWN	LUZERNE	41.30000	-75.96556	418	UNKNOWN	44		PUBLIC SUPPLY

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Table 2.3-33 {Groundwater Wells Located within a 25 Mile (40-km) Radius of BBNPP (Listed in Pennsylvania Groundwater Information System)}

PA WELL ID	OWNER	DATE DRILLED	DRILLING METHOD	COUNTY	LATITUDE	LONGITUDE	WELL DEPTH (ft bgs)	WELL FINISH	WELL YIELD (gpm)	STATIC WATER LEVEL (ft bgs)	WATER USE
25622	HAZELTINE,C.D.		OTHER/UNKNOWN	LUZERNE	41.30056	-75.92278	505	OPEN HOLE	8	80	PUBLIC SUPPLY
25623	DEPARTMENT OF FOREST		OTHER/UNKNOWN	LUZERNE	41.30056	-76.27083	0	UNKNOWN		65	DOMESTIC
25624	DEPARTMENT OF FOREST		OTHER/UNKNOWN	LUZERNE	41.30083	-76.27167	0	UNKNOWN		53	DOMESTIC
25625	DEPT.OF FORESTS AND		OTHER/UNKNOWN	LUZERNE	41.30111	-76.27250	0	UNKNOWN		59	DOMESTIC
25626	COMMONWEALTH OF PENN		DUG	LUZERNE	41.30139	-76.27389	24	OPEN HOLE		17	UNUSED
25627	PRUTZMAN,R.	1/1/1915	OTHER/UNKNOWN	LUZERNE	41.30222	-75.96861	268	UNKNOWN		50	DOMESTIC
25628	BIBLE FELLOWSHIP	8/5/1981	OTHER/UNKNOWN	LUZERNE	41.30472	-76.08889	250	OPEN HOLE	45		OTHER
25629	ROGERS,J.MRS.	1/1/1930	OTHER/UNKNOWN	LUZERNE	41.30556	-75.97639	147	OPEN HOLE	3	19	DOMESTIC
25630	RUGGLES,M.L.	1/1/1923	OTHER/UNKNOWN	LUZERNE	41.30639	-76.09722	100	OPEN HOLE	75	32	DOMESTIC
25631	RUST,HAROLD			LUZERNE	41.30722	-75.93694	400		14	13	DOMESTIC
25632	MEADOWCREST WATER COMPANY	1/1/1965	OTHER/UNKNOWN	LUZERNE	41.30806	-75.91722	303	OPEN HOLE	14		PUBLIC SUPPLY
25633	HAZELTINE,C.D.	1/1/1912	OTHER/UNKNOWN	LUZERNE	41.30889	-75.93083	285	UNKNOWN			PUBLIC SUPPLY
25634	SHAVERTOWN WATER COMPANY	1/1/1959		LUZERNE	41.30917	-75.93694	463				PUBLIC SUPPLY
25635	MULLIGAN,E.B.JR.		OTHER/UNKNOWN	LUZERNE	41.31028	-75.99278	254	OPEN HOLE	50	150	DOMESTIC
25636	HILLCREST WATER CO.		OTHER/UNKNOWN	LUZERNE	41.31278	-75.94500	490	UNKNOWN	30		PUBLIC SUPPLY
25637	SHAVERTOWN WATER COMPANY	1/1/1981		LUZERNE	41.31306	-75.94250	493				PUBLIC SUPPLY
25638	B.C. BANKS WATER COMPANY	1/1/1952	OTHER/UNKNOWN	LUZERNE	41.31444	-75.91806	403	UNKNOWN	90	35	PUBLIC SUPPLY
25639	STEGMANS FARMS		OTHER/UNKNOWN	LUZERNE	41.31444	-75.92750	95	OPEN HOLE	4		DOMESTIC
25640	MEADOWCREST WATER COMPANY INC.		OTHER/UNKNOWN	LUZERNE	41.31528	-75.92028	395	OPEN HOLE	29		PUBLIC SUPPLY
25641	JOHNSON,G.		OTHER/UNKNOWN	LUZERNE	41.31556	-76.02306	107	OPEN HOLE	15	40	DOMESTIC
25642	SHAVERTOWN WATE R CO		OTHER/UNKNOWN	LUZERNE	41.31889	-75.93750	171	UNKNOWN	15		PUBLIC SUPPLY
25643	MEADOWCRES WATER CO.		OTHER/UNKNOWN	LUZERNE	41.32000	-75.91250	475	UNKNOWN	94		PUBLIC SUPPLY
25644	BURGER KING	1/1/1977	AIR ROTARY	LUZERNE	41.32000	-75.93667	190	UNKNOWN	100	50	COMMERCIAL
25645	SHAVERTOWN WATER CO.	1/1/1973	OTHER/UNKNOWN	LUZERNE	41.32139	-75.94056	310	UNKNOWN	100		PUBLIC SUPPLY
25646	SHAVERTOWN WATER COMPANY	1/1/1953		LUZERNE	41.32083	-75.93889	280				PUBLIC SUPPLY

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Table 2.3-33 {Groundwater Wells Located within a 25 Mile (40-km) Radius of BBNPP (Listed in Pennsylvania Groundwater Information System)}

PA WELL ID	OWNER	DATE DRILLED	DRILLING METHOD	COUNTY	LATITUDE	LONGITUDE	WELL DEPTH (ft bgs)	WELL FINISH	WELL YIELD (gpm)	STATIC WATER LEVEL (ft bgs)	WATER USE
25647	WESLEY,D.		OTHER/UNKNOWN	LUZERNE	41.32306	-76.13250	102	UNKNOWN			DOMESTIC
25648	SHAVERTOWN-KINGSTON TWP WATER CO.	1/1/1965	OTHER/UNKNOWN	LUZERNE	41.32500	-75.93528	408	OPEN HOLE			PUBLIC SUPPLY
25649	SHAVERTOWN WATER COMPANY	1/1/1954		LUZERNE	41.32333	-75.94500	390				PUBLIC SUPPLY
25650	OVERBROOK WATER CO.	1/1/1955	OTHER/UNKNOWN	LUZERNE	41.32417	-75.95194	525	OPEN HOLE	20		PUBLIC SUPPLY
25651	OVERBROOK WATER CO.	1/1/1974		LUZERNE	41.32417	-75.95194					PUBLIC SUPPLY
25652	OVERBROOK WATER COMPANY INC.		OTHER/UNKNOWN	LUZERNE	41.32417	-75.95250	300	OPEN HOLE	20		PUBLIC SUPPLY
25653	METHODIST EPISC OPAL		OTHER/UNKNOWN	LUZERNE	41.32500	-75.90167	93	OPEN HOLE			DOMESTIC
25654	PA GAS & WATER CO	11/1/1980	OTHER/UNKNOWN	LUZERNE	41.32583	-75.93222	600	OPEN HOLE	2	170	PUBLIC SUPPLY
25655	BROWNMANOR WATER CO.	1/1/1949	OTHER/UNKNOWN	LUZERNE	41.32611	-75.89667	225	UNKNOWN	90		PUBLIC SUPPLY
25656	SHAVERTOWN-KINGSTON WATER COMPANY	1/1/1944	OTHER/UNKNOWN	LUZERNE	41.32139	-75.93278	350	OPEN HOLE	18.3		PUBLIC SUPPLY
25657	BOWMAN,L.	1/1/1905	OTHER/UNKNOWN	LUZERNE	41.32639	-76.14667	115	OPEN HOLE	30	35	DOMESTIC
25659			DUG	LUZERNE	41.32722	-75.83417	240	OPEN HOLE		62	OTHER
25660	HARRIS HILL ACRES WATER COMPANY	1/1/1968		LUZERNE	41.32722	-75.91750			12.5		PUBLIC SUPPLY
25661	SHAVERTOWN WATER COMPANY	12/1/1949	OTHER/UNKNOWN	LUZERNE	41.33167	-75.94361	302	OPEN HOLE			PUBLIC SUPPLY
25662	FERNBROOK MR.		OTHER/UNKNOWN	LUZERNE	41.32972	-75.94417	128	OPEN HOLE	30		DOMESTIC
25663	HOMESITE WATER COMPANY	1/1/1928	OTHER/UNKNOWN	LUZERNE	41.32972	-75.95194	179	OPEN HOLE	14		PUBLIC SUPPLY
25665	DALLAS WATER CO.		OTHER/UNKNOWN	LUZERNE	41.33056	-75.96028	305	UNKNOWN	12	100	PUBLIC SUPPLY
25666	SHAVERTOWN WATE R CO		OTHER/UNKNOWN	LUZERNE	41.33111	-75.93944	364	UNKNOWN	10		PUBLIC SUPPLY
25667	MDWY MANOR WATER CO.	1/1/1968	OTHER/UNKNOWN	LUZERNE	41.33472	-75.92056	344	UNKNOWN	40		PUBLIC SUPPLY
25668	ROBO CAR WASH	4/1/1981	OTHER/UNKNOWN	LUZERNE	41.33556	-75.96111	500	OPEN HOLE	125		COMMERCIAL
25669	LOYALVILLE SCHO OL		OTHER/UNKNOWN	LUZERNE	41.33556	-76.10000	156	OPEN HOLE	12	40	DOMESTIC
25670		1/1/1973	OTHER/UNKNOWN	LUZERNE	41.33583	-76.01389	400	OPEN HOLE	150	98	
25671	OAK HILL WATER CO.		OTHER/UNKNOWN	LUZERNE	41.33639	-76.01139	400	UNKNOWN	150		PUBLIC SUPPLY
25672	LAKE IMPROVEMENT CO.		OTHER/UNKNOWN	LUZERNE	41.33694	-76.00194	260	OPEN HOLE	18	60	COMMERCIAL
25673	YARRINGTON,MR.		OTHER/UNKNOWN	LUZERNE	41.33833	-76.00194	115	OPEN HOLE	12	20	DOMESTIC

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Table 2.3-33 {Groundwater Wells Located within a 25 Mile (40-km) Radius of BBNPP (Listed in Pennsylvania Groundwater Information System)}

PA WELL ID	OWNER	DATE DRILLED	DRILLING METHOD	COUNTY	LATITUDE	LONGITUDE	WELL DEPTH (ft bgs)	WELL FINISH	WELL YIELD (gpm)	STATIC WATER LEVEL (ft bgs)	WATER USE
25674	NATONA MILLS		CABLE TOOL	LUZERNE	41.34000	-75.97611	493	OPEN HOLE			PUBLIC SUPPLY
25675	ECUMENICAL ENTERPRISE	4/10/1980	AIR ROTARY	LUZERNE	41.34222	-75.98528	450	UNKNOWN	150	60	PUBLIC SUPPLY
25676	DALLAS WATER CO.	1/1/1965	OTHER/UNKNOWN	LUZERNE	41.34306	-75.95861	530	UNKNOWN	190		PUBLIC SUPPLY
25677	KELLY, J.	10/1/1978	OTHER/UNKNOWN	LUZERNE	41.34389	-76.07000	600	OPEN HOLE	3	220	DOMESTIC
25678	WYOMING CAMP GROUND	1/1/1905	OTHER/UNKNOWN	LUZERNE	41.34694	-75.84667	0	OPEN HOLE			DOMESTIC
25680	F.B. WHITE BRD WATER COMPANY	1/1/1964	OTHER/UNKNOWN	LUZERNE	41.34861	-76.04944	210	OPEN HOLE	60		PUBLIC SUPPLY
25681	HADONFIELD HILLS WATER COMPANY	1/1/1972	OTHER/UNKNOWN	LUZERNE	41.34917	-75.99139	365	OPEN HOLE	15		PUBLIC SUPPLY
25682	CORSONS,MR.	1/1/1910	OTHER/UNKNOWN	LUZERNE	41.35083	-75.89333	100	OPEN HOLE			DOMESTIC
25683	HARVEYS LAKE WATER		OTHER/UNKNOWN	LUZERNE	41.35194	-76.03306	212	UNKNOWN	15		PUBLIC SUPPLY
25684	DALLAS WATER CO.		OTHER/UNKNOWN	LUZERNE	41.35222	-75.98056	153	OPEN HOLE	60	30	PUBLIC SUPPLY
25685	RHOADS TERRACEWTR			LUZERNE	41.35417	-76.02972	335		50		PUBLIC SUPPLY
25686	ALEKSIW,REV.MR.		OTHER/UNKNOWN	LUZERNE	41.35444	-76.04556	140	OPEN HOLE	9	16	DOMESTIC
25687	EVET, R.	8/23/1977	AIR ROTARY	LUZERNE	41.35778	-75.96111	225	UNKNOWN	15		DOMESTIC
25688	DALLAS WATER CO	1/1/1959	AIR ROTARY	LUZERNE	41.35833	-75.97028	428	OPEN HOLE			PUBLIC SUPPLY
25689	WARDEN PLACE WATER WORKS	1/1/1932	OTHER/UNKNOWN	LUZERNE	41.36056	-76.02694	550	OPEN HOLE	30		PUBLIC SUPPLY
25691	WARDEN PLACE WATER COMPANY	1/1/1932	OTHER/UNKNOWN	LUZERNE	41.36333	-76.03111	750	OPEN HOLE	45		PUBLIC SUPPLY
25692	SANDY BEACH IMPROVEM		OTHER/UNKNOWN	LUZERNE	41.36361	-76.06722	230	OPEN HOLE	20	150	COMMERCIAL
25693	KITCHEN,W.S.		OTHER/UNKNOWN	LUZERNE	41.36472	-76.02472	250	UNKNOWN	7	50	PUBLIC SUPPLY
25694	HIGGS,MR.		OTHER/UNKNOWN	LUZERNE	41.36528	-76.03167	350	OPEN HOLE	22	30	DOMESTIC
25695	REYNOLDS,COL.D.	1/1/1913	OTHER/UNKNOWN	LUZERNE	41.36722	-75.96083	504	UNKNOWN	8	200	DOMESTIC
25696	MOUNT ZION CHURCH		OTHER/UNKNOWN	LUZERNE	41.37028	-75.86750	160	OPEN HOLE	6	20	DOMESTIC
25697	VLLY VIEW PARK WATER		OTHER/UNKNOWN	LUZERNE	41.37222	-75.92778	618	UNKNOWN	95		PUBLIC SUPPLY
25698	RASKIN,N.	8/28/1930	OTHER/UNKNOWN	LUZERNE	41.37306	-76.04972	295	OPEN HOLE		105	PUBLIC SUPPLY
25699	RAMEY, DONALD	8/19/1979	AIR ROTARY	LUZERNE	41.37444	-76.03833	245	UNKNOWN	9	80	DOMESTIC
25700	GERLOCK, K.	6/1/1979	AIR ROTARY	LUZERNE	41.37556	-75.94444	285	UNKNOWN	20	150	DOMESTIC
25701	KUNKLEUNTD METH CHRCH	8/25/1976	CABLE TOOL	LUZERNE	41.37639	-75.98306	140	UNKNOWN	40	5	COMMERCIAL
25702	MENDELSSOH S.	11/1/1980	OTHER/UNKNOWN	LUZERNE	41.37750	-75.92444	800	OPEN HOLE	3	250	DOMESTIC

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Table 2.3-33 {Groundwater Wells Located within a 25 Mile (40-km) Radius of BBNPP (Listed in Pennsylvania Groundwater Information System)}

PA WELL ID	OWNER	DATE DRILLED	DRILLING METHOD	COUNTY	LATITUDE	LONGITUDE	WELL DEPTH (ft bgs)	WELL FINISH	WELL YIELD (gpm)	STATIC WATER LEVEL (ft bgs)	WATER USE
25704	REDDINGTON,MR.		OTHER/UNKNOWN	LUZERNE	41.37889	-76.04167	491	OPEN HOLE	15	90	DOMESTIC
25711	MORRATT,J.	1/1/1928	OTHER/UNKNOWN	LUZERNE	41.38139	-75.99000	259	OPEN HOLE	6	109	DOMESTIC
25712	OLIVER,MR.	1/1/1924	OTHER/UNKNOWN	LUZERNE	41.38139	-76.05083	240	OPEN HOLE	20	30	DOMESTIC
25713	FRANCEL, T.	1/1/1978	OTHER/UNKNOWN	LUZERNE	41.38333	-75.98583	200	OPEN HOLE	40	10	DOMESTIC
25714	GORINGER,MR.		OTHER/UNKNOWN	LUZERNE	41.38361	-75.90444	200	OPEN HOLE		60	DOMESTIC
25715	MININGTON M.	4/2/1976	AIR ROTARY	LUZERNE	41.38444	-75.90667	375	UNKNOWN	45	167	DOMESTIC
25716	SCOTT, D.	1/7/1976	AIR ROTARY	LUZERNE	41.38750	-75.92361	224	UNKNOWN	60	45	DOMESTIC
25719	MYERS,CORY		OTHER/UNKNOWN	LUZERNE	41.39000	-75.96750	215	OPEN HOLE			DOMESTIC
25720	MCCOE,CON	1/1/1930	OTHER/UNKNOWN	LUZERNE	41.39056	-75.90500	300	OPEN HOLE	7	40	DOMESTIC
25726	HAZELTON WATER AUTHORITY	5/1/1965	OTHER/UNKNOWN	LUZERNE	40.94639	-76.05889	516	UNKNOWN	300		PUBLIC SUPPLY
25727	FREELAND MUN AUTH	10/13/1980	AIR ROTARY	LUZERNE	41.01889	-75.89250	395	OPEN HOLE	250		PUBLIC SUPPLY
25728	WHITE HAVEN MUN AUTH	1/1/1975	OTHER/UNKNOWN	LUZERNE	41.06306	-75.78528		OPEN HOLE	120	30	PUBLIC SUPPLY
25729	WHITE HAVEN MUN AUTH	1/1/1975	OTHER/UNKNOWN	LUZERNE	41.06306	-75.78528		OPEN HOLE	45	30	PUBLIC SUPPLY
25730			OTHER/UNKNOWN	LUZERNE	40.96333	-75.96611	62	UNKNOWN		4	
25731	READLER, HOYT	1/24/1967	AIR ROTARY	LUZERNE	41.04778	-76.15056		OPEN HOLE	15		DOMESTIC
25732	SELIC, ROBERT	8/21/1975	AIR ROTARY	LUZERNE	41.05000	-76.20750	150	OPEN HOLE	10		DOMESTIC
25733			OTHER/UNKNOWN	LUZERNE	40.93889	-76.05972	587	UNKNOWN	140	4	PUBLIC SUPPLY
25734	HAZLETON CITY AUTH.	1/27/1969	OTHER/UNKNOWN	LUZERNE	40.95083	-76.06028	500	UNKNOWN	98	6	PUBLIC SUPPLY
25734	HAZLETON CITY AUTH.	1/27/1969	OTHER/UNKNOWN	LUZERNE	40.95083	-76.06028	500	UNKNOWN	98	6	PUBLIC SUPPLY
25735	WYOMING VALLEY WATER	1/1/1907	OTHER/UNKNOWN	LUZERNE	40.95139	-76.15306	687	UNKNOWN	35		PUBLIC SUPPLY
25736	HAZLETON CITY AUTHOR			LUZERNE	40.97056	-76.09167			45		PUBLIC SUPPLY
25737	HAZLETON CITY AUTH.	3/3/1969		LUZERNE	40.98000	-76.01917			93	13	PUBLIC SUPPLY
25738	CONYNGHAM WATER CO.		OTHER/UNKNOWN	LUZERNE	40.98333	-76.05417	230	UNKNOWN	35		PUBLIC SUPPLY
25739	JEDDO HIGHLAND COAL	1/1/1914	OTHER/UNKNOWN	LUZERNE	40.98667	-75.93861	171	UNKNOWN	50		PUBLIC SUPPLY
25740	HUTTON,GUY	1/1/1915	CABLE TOOL	LUZERNE	40.98750	-76.05750	266	OPEN HOLE	33	80	PUBLIC SUPPLY
25741	CONYNGHAM WATER CO.		OTHER/UNKNOWN	LUZERNE	40.99306	-76.05778	255	UNKNOWN	20		PUBLIC SUPPLY
25742	CONYNGHAM WATER CO.		OTHER/UNKNOWN	LUZERNE	40.99333	-76.05833	347	UNKNOWN	25		PUBLIC SUPPLY
25743	FREELAND WATER		CABLE TOOL	LUZERNE	41.00028	-75.89139	200	OPEN HOLE	25		PUBLIC SUPPLY
25744	VISINTAINE NURSERY	3/1/1981	OTHER/UNKNOWN	LUZERNE	41.00694	-75.96972	160	OPEN HOLE	20	15	COMMERCIAL
25745	HOWER, M.	10/1/1980	OTHER/UNKNOWN	LUZERNE	41.01000	-75.95611	160	OPEN HOLE	30	25	DOMESTIC
25746	WYOMING VALLEY WATER		CABLE TOOL	LUZERNE	41.01194	-75.91556	600	OPEN HOLE	100	60	PUBLIC SUPPLY

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PA WELL ID	OWNER	DATE DRILLED	DRILLING METHOD	COUNTY	LATITUDE	LONGITUDE	WELL DEPTH (ft bgs)	WELL FINISH	WELL YIELD (gpm)	STATIC WATER LEVEL (ft bgs)	WATER USE
25747	LETCHER, R.	1/1/1979	OTHER/UNKNOWN	LUZERNE	41.01444	-75.99111	140	OPEN HOLE		36.8	DOMESTIC
25748	HAMILTON, ELBERT	10/1/1980	OTHER/UNKNOWN	LUZERNE	41.01583	-75.99861	320	OPEN HOLE		63.1	DOMESTIC
25749			CABLE TOOL	LUZERNE	41.01667	-75.89222	425	OPEN HOLE	8		UNUSED
25750	FREELAND WATER CO.		CABLE TOOL	LUZERNE	41.01694	-75.89306	287	OPEN HOLE	150		PUBLIC SUPPLY
25751			OTHER/UNKNOWN	LUZERNE	41.01722	-75.89139	225	OPEN HOLE			PUBLIC SUPPLY
25752	CRESSMAN, D.	11/1/1980	OTHER/UNKNOWN	LUZERNE	41.02972	-75.96111	475	OPEN HOLE	6	52	DOMESTIC
25753	STROUD, JODY	4/4/1979	OTHER/UNKNOWN	LUZERNE	41.03028	-75.99056	240	OPEN HOLE	25	50	DOMESTIC
25754	BONITA, R.	5/17/1976	CABLE TOOL	LUZERNE	41.04444	-75.96278	120	UNKNOWN	20	35	DOMESTIC
25755	PENNHURST STATESCHOO	1/1/1908	OTHER/UNKNOWN	LUZERNE	41.05556	-75.78139	440	UNKNOWN	30	156	INSTITUTIONAL
25756	U.S. GEOL. SURVEY	10/20/1980	AIR ROTARY	LUZERNE	41.05889	-76.19806	200	OPEN HOLE		22.5	UNUSED
25757	U.S. GEOL. SURVEY	10/21/1980	AIR ROTARY	LUZERNE	41.05889	-76.19806	55	UNKNOWN		20.4	UNUSED
25758	FELIX, RUDY		OTHER/UNKNOWN	LUZERNE	41.06222	-76.15639	471	UNKNOWN		22.8	DOMESTIC
25759	DAVIS, WILLIAM	7/9/1973	AIR ROTARY	LUZERNE	41.06694	-76.16556	100	OPEN HOLE		7.16	DOMESTIC
25760	U.S. GEOL. SURVEY	10/16/1980	AIR ROTARY	LUZERNE	41.06861	-76.15139	300	OPEN HOLE		51.1	UNUSED
25761	SMITH, BRAD	2/1/1980	AIR ROTARY	LUZERNE	41.07056	-76.16083	130	OPEN HOLE		36.5	DOMESTIC
25762	U.S. GEOL. SURVEY	10/14/1980	AIR ROTARY	LUZERNE	41.07222	-76.15194	102	PERFORATED		62.4	UNUSED
25763	CORRELL, N.	11/1/1979	OTHER/UNKNOWN	LUZERNE	41.07278	-75.99639	265	OPEN HOLE	6	20	DOMESTIC
25764	WATTS	8/1/1980	AIR ROTARY	LUZERNE	41.07278	-76.18889	230	OPEN HOLE		71.6	DOMESTIC
25765	TANEY, ZANE	10/18/1978	AIR ROTARY	LUZERNE	41.07389	-75.99167	200	UNKNOWN	8	20	DOMESTIC
25766	VALAITIS, L.	11/8/1978	AIR ROTARY	LUZERNE	41.07694	-75.97472	220	UNKNOWN	10	35	DOMESTIC
25767	WEADON BILL	7/3/1974	AIR ROTARY	LUZERNE	41.08472	-76.19167	125	OPEN HOLE		38.1	DOMESTIC
25768	BRADER, HERB	7/5/1972	AIR ROTARY	LUZERNE	41.08944	-76.18056	100	OPEN HOLE		34.7	DOMESTIC
25769	PA. POWER AND LIGHT	1/22/1973	OTHER/UNKNOWN	LUZERNE	41.09528	-76.13028	58	UNKNOWN		7.57	INDUSTRIAL
25770	PA. POWER AND LIGHT	10/1/1973		LUZERNE	41.09528	-76.13528			65	9	INDUSTRIAL
25771	PA. POWER AND LIGHT	10/1/1973		LUZERNE	41.09556	-76.13528			150	17	INDUSTRIAL
25772	DAVID, WILLIAM	8/1/1977	OTHER/UNKNOWN	LUZERNE	41.10556	-75.97556	200	OPEN HOLE	3	15	DOMESTIC
25773	MYERS, RICHARD	10/20/1978	AIR ROTARY	LUZERNE	41.11139	-75.95333	250	UNKNOWN	10	40	DOMESTIC
25774	BOSTON, ROBERT	9/20/1973	AIR ROTARY	LUZERNE	41.11861	-76.16611	175	OPEN HOLE	6		DOMESTIC
25775	HEROLD, J.	9/25/1978	AIR ROTARY	LUZERNE	41.12000	-75.95556	220	UNKNOWN	35		DOMESTIC
25776	SCHWARTZ, C.	1/1/1981	OTHER/UNKNOWN	LUZERNE	41.12083	-75.96333	180	OPEN HOLE	20	20	DOMESTIC
25777	WASKIEWCZ, JOHN	10/1/1978	AIR ROTARY	LUZERNE	41.14222	-75.98833	225	UNKNOWN		35.6	DOMESTIC

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PA WELL ID	OWNER	DATE DRILLED	DRILLING METHOD	COUNTY	LATITUDE	LONGITUDE	WELL DEPTH (ft bgs)	WELL FINISH	WELL YIELD (gpm)	STATIC WATER LEVEL (ft bgs)	WATER USE
25778	BLUE COAL CO	1/1/1966	CABLE TOOL	LUZERNE	41.14500	-76.14083	170	OPEN HOLE	10	57	UNUSED
25779	BLUE COAL CO	1/1/1967	CABLE TOOL	LUZERNE	41.14639	-76.12611	305	OPEN HOLE	10	155	UNUSED
25780	BLUE COAL CO	1/1/1967	AIR ROTARY	LUZERNE	41.14639	-76.12611	315	OPEN HOLE	10	152	UNUSED
25781	BLUE COAL CO	1/1/1966	CABLE TOOL	LUZERNE	41.14778	-76.11472	80	OPEN HOLE	10	1	UNUSED
25782	BLUE COAL CO	1/1/1967	OTHER/UNKNOWN	LUZERNE	41.14944	-76.11750	115	OPEN HOLE	12	60	UNUSED
25783	BLUE COAL CO	1/1/1967	AIR ROTARY	LUZERNE	41.15028	-76.14444	55	OPEN HOLE	10	22	UNUSED
25784	FULLER, P.	8/1/1977	OTHER/UNKNOWN	LUZERNE	41.15139	-75.96778	404	OPEN HOLE		43.3	DOMESTIC
25785	BLUE COAL CO	1/1/1966	CABLE TOOL	LUZERNE	41.15194	-76.09639	73	OPEN HOLE	10	18	UNUSED
25786	BLUE COAL CO	1/1/1967	CABLE TOOL	LUZERNE	41.15194	-76.13278	485	OPEN HOLE	10	185	UNUSED
25787	BLUE COAL CO	1/1/1967	AIR ROTARY	LUZERNE	41.15778	-76.12333	185	OPEN HOLE	10	118	UNUSED
25788	GIRTON, R.	12/1/1979	OTHER/UNKNOWN	LUZERNE	41.15833	-75.94333	210	OPEN HOLE		87.5	DOMESTIC
25789	BLUE COAL CO	1/1/1967	CABLE TOOL	LUZERNE	41.16222	-76.11000	405	PERFORATED	10	1	UNUSED
25790	BLUE COAL CO	1/1/1967	AIR ROTARY	LUZERNE	41.16278	-76.12417	235	OPEN HOLE	1		UNUSED
25791	U S GEOLOGICAL SURVE	1/1/1967	CABLE TOOL	LUZERNE	41.16389	-76.09611	901	PERFORATED	10	342	UNUSED
25792	STEPHENS, A.	1/1/1980	OTHER/UNKNOWN	LUZERNE	41.16722	-75.93056	300	OPEN HOLE	3	300	DOMESTIC
25793	GOODSTEIN, W.	9/1/1979	OTHER/UNKNOWN	LUZERNE	41.16972	-75.88583	190	OPEN HOLE	25	0	DOMESTIC
25794	WOODLAWN DAIRY CO.	1/1/1924	CABLE TOOL	LUZERNE	41.19167	-76.23139	249	OPEN HOLE	12		INDUSTRIAL
25795	CROUP,S.	1/1/1910	CABLE TOOL	LUZERNE	41.20611	-76.06639	375	OPEN HOLE	6	14	DOMESTIC
25796	LUZERNE COUNTY GAS A		CABLE TOOL	LUZERNE	41.20639	-76.06944	48	SCREEN	100	21	INDUSTRIAL
25797	LESKO-BARNEY	1/1/1938	DUG	LUZERNE	41.22083	-75.97222	26	WALLED	260	21	IRRIGATION
25798	MEDLEY, JAMES	1/1/1905	OTHER/UNKNOWN	LUZERNE	41.22361	-76.02139	298	OPEN HOLE			PUBLIC SUPPLY
25799	HORN DAIRY	1/1/1930	DRIVEN	LUZERNE	41.24194	-75.89944	45	OPEN END		17	INDUSTRIAL
25800	LESKO-BARNEY	1/1/1930	DUG	LUZERNE	41.24694	-75.91056	30	UNKNOWN	600	25	IRRIGATION
25801	GARRAHAN FARMS	1/1/1935	DUG	LUZERNE	41.25250	-75.89944	21	PERFORATED	90	10	IRRIGATION
25802	KASARDA,MICHAEL		DUG	LUZERNE	41.25611	-75.90083	24	OPEN END		16	IRRIGATION
25803	BUREAU OF MINES	1/1/1971	CABLE TOOL	LUZERNE	41.25972	-75.88500	87	SCREEN		9	UNUSED
25804	BUREAU OF MINES	1/1/1971	AIR ROTARY	LUZERNE	41.25972	-75.88500	363	OPEN HOLE		10	UNUSED
25805	LESCO-BARNEY	1/1/1933	DRIVEN	LUZERNE	41.26111	-75.90111	19	PERFORATED	5		IRRIGATION
25806	STATE CORRECTIONAL I		OTHER/UNKNOWN	LUZERNE	41.27583	-76.02083	435	OPEN HOLE	325	16	INSTITUTIONAL
25807	PRICE,T.G.	1/1/1935	DUG	LUZERNE	41.28139	-75.86333	29	OPEN END		21	IRRIGATION
25808	U.S.GEOLOGICAL SURVE	1/1/1966	CABLE TOOL	LUZERNE	41.28500	-75.88250	40	GRAVEL PAC		22	UNUSED
25809	U.S.GEOLOGICAL SURVE	1/1/1966	CABLE TOOL	LUZERNE	41.29917	-75.84944	40	OPEN END		30	UNUSED

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Table 2.3-33 {Groundwater Wells Located within a 25 Mile (40-km) Radius of BBNPP (Listed in Pennsylvania Groundwater Information System)}

PA WELL ID	OWNER	DATE DRILLED	DRILLING METHOD	COUNTY	LATITUDE	LONGITUDE	WELL DEPTH (ft bgs)	WELL FINISH	WELL YIELD (gpm)	STATIC WATER LEVEL (ft bgs)	WATER USE
25810	COMMONWEALTH OF PENN	1/1/1947	CABLE TOOL	LUZERNE	41.30000	-76.27361	160	OPEN HOLE	20	43	UNUSED
25811	CMB CORPORATION	1/1/1952	DUG	LUZERNE	41.30972	-75.84361	25	WALLED	93	16	UNUSED
25812	RIABUBIA, G.	1/5/1981	OTHER/UNKNOWN	LUZERNE	41.31111	-76.06917	275	OPEN HOLE		6.9	DOMESTIC
25813	SHAVERTOWN WATER CO.		CABLE TOOL	LUZERNE	41.31861	-75.94361	205	OPEN HOLE	18		PUBLIC SUPPLY
25814	STILL,WILLIAM		OTHER/UNKNOWN	LUZERNE	41.32639	-75.94056	244	OPEN HOLE	18	40	DOMESTIC
25815	WHITESELL BROTHERS W		OTHER/UNKNOWN	LUZERNE	41.33194	-75.91806	500	OPEN HOLE	150	100	PUBLIC SUPPLY
25816	DALLAS WATER CO.		OTHER/UNKNOWN	LUZERNE	41.33389	-75.93528	580	UNKNOWN	12		PUBLIC SUPPLY
25817	DALLAS WATER CO		OTHER/UNKNOWN	LUZERNE	41.33667	-75.96278	498	OPEN HOLE			PUBLIC SUPPLY
25818	WHITESELL BROTHERS W		OTHER/UNKNOWN	LUZERNE	41.33750	-76.01389	229	OPEN HOLE	12	60	PUBLIC SUPPLY
25819	WHITESELL BROTHERS W		OTHER/UNKNOWN	LUZERNE	41.33750	-76.01389	400	UNKNOWN	65		PUBLIC SUPPLY
25821	DALLAS WATER CO		AIR ROTARY	LUZERNE	41.33889	-75.97000	390	OPEN HOLE			PUBLIC SUPPLY
25822	DALLAS WATER CO		AIR ROTARY	LUZERNE	41.34028	-75.97750	235	UNKNOWN			PUBLIC SUPPLY
25823	NATONA MILLS		CABLE TOOL	LUZERNE	41.34028	-75.97833	500	OPEN HOLE	85		PUBLIC SUPPLY
25824	WYOMING NATL BANK	7/1/1978	OTHER/UNKNOWN	LUZERNE	41.34194	-75.99417	300	OPEN HOLE	60	80	COMMERCIAL
25825	HADONFIELD HILLSWATER			LUZERNE	41.35083	-75.99500					PUBLIC SUPPLY
25826	LAKE IMPROVEMENT CO.		OTHER/UNKNOWN	LUZERNE	41.35333	-76.03222	212	OPEN HOLE	25		COMMERCIAL
25827	DALLAS WATER CO .	1/1/1910	OTHER/UNKNOWN	LUZERNE	41.35778	-75.97111	188	OPEN HOLE	50	70	PUBLIC SUPPLY
25829	SEDLACK, M.	11/15/1976	AIR ROTARY	LUZERNE	41.36806	-76.08889	265	UNKNOWN	12	45	DOMESTIC
25830	LAKETON WATER CO.	1/1/1910	CABLE TOOL	LUZERNE	41.37056	-76.05889	278	OPEN HOLE		135	PUBLIC SUPPLY
25999	GORDNER, D.	9/1/1979	OTHER/UNKNOWN	LYCOMING	41.20972	-76.54528	148	OPEN HOLE	30	6	DOMESTIC
26031	BRINKMAN, R.	11/1/1980	OTHER/UNKNOWN	LYCOMING	41.21889	-76.57917	260	OPEN HOLE		41	DOMESTIC
26033	STINE, KEN	3/16/1977	AIR ROTARY	LYCOMING	41.21972	-76.51667	162	UNKNOWN			DOMESTIC
26068	GORDNER, G.	5/23/1977	OTHER/UNKNOWN	LYCOMING	41.23000	-76.51944	148	OPEN HOLE	8		FIRE
26161	HALL, D.	4/23/1979	OTHER/UNKNOWN	LYCOMING	41.24750	-76.49722	148	OPEN HOLE	4		DOMESTIC
26200	ROBBINS, THERON		AIR ROTARY	LYCOMING	41.25917	-76.48611	75	UNKNOWN			PUBLIC SUPPLY
26203	CHARLES, R.	11/1/1980	OTHER/UNKNOWN	LYCOMING	41.26083	-76.48944	173	OPEN HOLE		51.6	DOMESTIC
26212	CHARLES, B.	10/10/1980	OTHER/UNKNOWN	LYCOMING	41.26306	-76.48611	148	OPEN HOLE	8		DOMESTIC
26249	BRESSLER, R.	9/1/1979	OTHER/UNKNOWN	LYCOMING	41.27667	-76.53611	400	OPEN HOLE	1		DOMESTIC
28634	BARNES, WILLIAM		OTHER/UNKNOWN	MONTOUR	40.96694	-76.52306	197	UNKNOWN	14	68	OTHER
28635	MAHONING TWP. AUTH.	9/14/1978	AIR ROTARY	MONTOUR	40.96750	-76.57833	298	OPEN HOLE	15		PUBLIC SUPPLY
28636	PINEBROOK HOMES	11/1/1981		MONTOUR	40.97583	-76.59083	223		18	60	DOMESTIC

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28637	CADY, JOSEPH	10/1/1981	OTHER/UNKNOWN	MONTOUR	40.99278	-76.59194	250	OPEN HOLE	6		DOMESTIC
28638	SANTINI, L.			MONTOUR	40.98639	-76.56944			1	165	
28639	KOCKER, LOT 14	5/1/1979	AIR ROTARY	MONTOUR	40.99667	-76.60694	170	UNKNOWN	6	30	DOMESTIC
28641	HUMMER, JAY	6/4/1974	AIR ROTARY	MONTOUR	41.00667	-76.60389	172	OPEN HOLE		41.9	DOMESTIC
28642	BINDER, J.			MONTOUR	41.00833	-76.58444	150			39.2	
28656	BURKE, JOHN	6/1/1975	AIR ROTARY	MONTOUR	40.99972	-76.59528	155	OPEN HOLE		26.5	DOMESTIC
28658	HARTMAN, CARL L	1/1/1976	AIR ROTARY	MONTOUR	41.00056	-76.60278	100	OPEN HOLE	15		DOMESTIC
28660	DITTY, DARWIN	10/17/1967	AIR ROTARY	MONTOUR	41.00167	-76.61778	70	OPEN HOLE	10	30	DOMESTIC
28661	KISTNER, JOSEPH	5/6/1968	AIR ROTARY	MONTOUR	41.00167	-76.62333	74	OPEN HOLE	6	20	DOMESTIC
28662	SIATS, JOSEPH	8/1/1981	OTHER/UNKNOWN	MONTOUR	41.00222	-76.60917	175	UNKNOWN	25		DOMESTIC
28663	WETZEL, DANIEL	8/5/1980	AIR ROTARY	MONTOUR	41.00222	-76.61028	125	OPEN HOLE		4.44	DOMESTIC
28664	ROBERTS, MARK J	7/10/1968	CABLE TOOL	MONTOUR	41.00222	-76.62222	82	OPEN HOLE	30	42	DOMESTIC
28665	TANNER, HOWARD J	4/29/1967	AIR ROTARY	MONTOUR	41.00417	-76.61583	95	OPEN HOLE	7.5	30	DOMESTIC
28666	HESS, JOE	4/1/1975	AIR ROTARY	MONTOUR	41.00417	-76.62028	195	OPEN HOLE	10	40	DOMESTIC
28667	MORRIS, GARY	1/1/1976		MONTOUR	41.00444	-76.61611				51.3	DOMESTIC
28668	HESS, JOE	1/1/1974	OTHER/UNKNOWN	MONTOUR	41.00444	-76.61944	135	UNKNOWN	3		DOMESTIC
28670	HESS, BEN	11/1/1975	AIR ROTARY	MONTOUR	41.00583	-76.62417	275	OPEN HOLE	6		DOMESTIC
28672	HESS, BEN	1/1/1977	AIR ROTARY	MONTOUR	41.00667	-76.62361	275	UNKNOWN	10		DOMESTIC
28675	HESS, BEN	1/1/1978	AIR ROTARY	MONTOUR	41.00694	-76.62444	315	OPEN HOLE		95.7	DOMESTIC
28677	EDMEADS, SCOTT	5/23/1977	AIR ROTARY	MONTOUR	41.00889	-76.61167	198	OPEN HOLE	60	40	DOMESTIC
28698	GRAY, CLYDE	10/26/1977	AIR ROTARY	MONTOUR	41.03556	-76.59667	105	OPEN HOLE	8		DOMESTIC
28705	MAUSTELLER MIKE H	4/13/1968	AIR ROTARY	MONTOUR	41.04222	-76.56639	153	OPEN HOLE		35.4	DOMESTIC
28708	SYNDER, LINDA	11/30/1977	AIR ROTARY	MONTOUR	41.04500	-76.59500	215	OPEN HOLE		11.7	DOMESTIC
28713	MOSER, FRED	6/14/1967	AIR ROTARY	MONTOUR	41.04833	-76.63556	50	UNKNOWN	15	4.545456	DOMESTIC
28721	DAVIS, HARVEY L	2/13/1973	CABLE TOOL	MONTOUR	41.05750	-76.60833	80	UNKNOWN	10	26	DOMESTIC
28724	DAY, WAYNE	8/15/1973	AIR ROTARY	MONTOUR	41.06333	-76.62778	250	UNKNOWN	1	10	DOMESTIC
28725	BARTLETT, NORMA	8/25/1972	OTHER/UNKNOWN	MONTOUR	41.06556	-76.63222	218	UNKNOWN	4		DOMESTIC
28726	BEILER, JONAS		CABLE TOOL	MONTOUR	41.06750	-76.63611	268	UNKNOWN		14.5	DOMESTIC
28727	BEILER, JONAS	1/1/1976	OTHER/UNKNOWN	MONTOUR	41.06750	-76.63611	285	UNKNOWN	3	6	DOMESTIC
28732	STOLTZFUS, S.	2/2/1979	CABLE TOOL	MONTOUR	41.07278	-76.62750	180	OPEN HOLE		12.8	DOMESTIC
28736	BRYFOGLE, KENNETH	7/1/1980	OTHER/UNKNOWN	MONTOUR	41.07583	-76.07639	250	UNKNOWN	25	18	COMMERCIAL
28737	ROBBINS, DONALD W	9/1/1967	OTHER/UNKNOWN	MONTOUR	41.07667	-76.61750	76	OPEN HOLE	15	5	DOMESTIC

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Table 2.3-33 {Groundwater Wells Located within a 25 Mile (40-km) Radius of BBNPP (Listed in Pennsylvania Groundwater Information System)}

PA WELL ID	OWNER	DATE DRILLED	DRILLING METHOD	COUNTY	LATITUDE	LONGITUDE	WELL DEPTH (ft bgs)	WELL FINISH	WELL YIELD (gpm)	STATIC WATER LEVEL (ft bgs)	WATER USE
28738	BROWN, SANFORD	4/2/1974	AIR ROTARY	MONTOUR	41.08083	-76.63472	346	UNKNOWN		26	DOMESTIC
28743	SHEATLER, BRYON	5/1/1978	AIR ROTARY	MONTOUR	41.10111	-76.63083	155	UNKNOWN	4	20	DOMESTIC
28744	HOLDREN, GEORGE A	2/27/1968	AIR ROTARY	MONTOUR	41.10278	-76.62972	155	UNKNOWN	5	6	DOMESTIC
28751	SOMMERS, DALE	4/30/1968	AIR ROTARY	MONTOUR	41.10556	-76.63667	304	UNKNOWN	1	25	DOMESTIC
28759	MCGARGLE		CABLE TOOL	MONTOUR	41.11500	-76.63278	257	UNKNOWN	4	10	DOMESTIC
28760	DEWALD, ALLEN	2/1/1967	AIR ROTARY	MONTOUR	41.11583	-76.63278	130	UNKNOWN		17.6	DOMESTIC
28761	HERSHEY	8/22/1966	AIR ROTARY	MONTOUR	41.11611	-76.63306	170	UNKNOWN	20	25	DOMESTIC
28764	MCWILLIAMS KARL	8/22/1966	AIR ROTARY	MONTOUR	41.11750	-76.63528	70	UNKNOWN	30	20.22388	DOMESTIC
28765	MCCOLLUM, ROSS	1/1/1977	OTHER/UNKNOWN	MONTOUR	41.11778	-76.63111	195	UNKNOWN		25	DOMESTIC
28768	KEENER	11/1/1981		MONTOUR	40.95639	-76.53778	273		5		DOMESTIC
28769	BROWN CATERING	4/25/1968	AIR ROTARY	MONTOUR	40.95667	-76.54389	390	OPEN HOLE	60	117.2727	COMMERCIAL
28770	KRUM, JOHN	8/3/1967	CABLE TOOL	MONTOUR	40.95778	-76.58806	88	OPEN HOLE		57	DOMESTIC
28773	MARIA JOSEPH MAN	1/1/1960	OTHER/UNKNOWN	MONTOUR	40.96083	-76.57917	610	UNKNOWN	62		INSTITUTIONAL
28774	MARIA JOSEPH MAN	1/1/1961	OTHER/UNKNOWN	MONTOUR	40.96083	-76.57917	257	UNKNOWN	50		INSTITUTIONAL
28775	MARIA JOSEPH MAN	1/1/1965		MONTOUR	40.96083	-76.57917	350			7.5	INSTITUTIONAL
28776	MARIA JOSEPH MAN		OTHER/UNKNOWN	MONTOUR	40.96083	-76.57917	210	UNKNOWN	50		INSTITUTIONAL
28777	FENSTERMAC MYRON	3/30/1968	AIR ROTARY	MONTOUR	40.96472	-76.60333	80	OPEN HOLE	6	28	DOMESTIC
28778	ALBECK, KLINE	6/26/1967	CABLE TOOL	MONTOUR	40.96556	-76.59083	216	OPEN HOLE	7	49	DOMESTIC
28779	CONFER, CHARLES A	10/12/1966	CABLE TOOL	MONTOUR	40.96611	-76.58694	190	OPEN HOLE	3	66	DOMESTIC
28780	WEAVER, RUSSELL	11/2/1966	CABLE TOOL	MONTOUR	40.96667	-76.58444	190	OPEN HOLE	7	50	DOMESTIC
28781	BARNES, WILLIAM	11/11/1981	OTHER/UNKNOWN	MONTOUR	40.96722	-76.52306	200	UNKNOWN		58.1	OTHER
28782	LINKER, WILLIAM	3/3/1975	AIR ROTARY	MONTOUR	40.96722	-76.53611	123	UNKNOWN		19.2	DOMESTIC
28783	MAHONING TWP. AUTH.	8/1/1969	AIR ROTARY	MONTOUR	40.96750	-76.57833	332	OPEN HOLE	50		PUBLIC SUPPLY
28784	MAHONING TWP. AUTH.	8/1/1969	AIR ROTARY	MONTOUR	40.96750	-76.57833	328	OPEN HOLE	50	46.3	PUBLIC SUPPLY
28785	MAHONING TWP. AUTH.	10/30/1978	AIR ROTARY	MONTOUR	40.96750	-76.57833	298	OPEN HOLE	100	115.9155	PUBLIC SUPPLY
28786	GEISINGER MED CENTER	1/1/1930	OTHER/UNKNOWN	MONTOUR	40.96750	-76.60750	528	UNKNOWN	26	68	INSTITUTIONAL
28787	HOUSEKNECT HARVEY	8/26/1977	CABLE TOOL	MONTOUR	40.96778	-76.56861	185	UNKNOWN	20	125	DOMESTIC
28788	SEITZ, C.	7/14/1978	OTHER/UNKNOWN	MONTOUR	40.96806	-76.56528	213	UNKNOWN	30	96	DOMESTIC
28789	RILEY, LEWIS	12/18/1967	AIR ROTARY	MONTOUR	40.96806	-76.59667	95	OPEN HOLE	15	40	DOMESTIC
28790	ADAMS, CHESTER	8/16/1967	AIR ROTARY	MONTOUR	40.96861	-76.55667	165	UNKNOWN	20	59.73684	DOMESTIC
28791	PENNA. S.P.C.A.	7/3/1968	AIR ROTARY	MONTOUR	40.96944	-76.55778	75	UNKNOWN	40	35	DOMESTIC
28792	GEISINGER MED CENTER	1/1/1965	OTHER/UNKNOWN	MONTOUR	40.96944	-76.60722	314	UNKNOWN	190		INSTITUTIONAL

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Table 2.3-33 {Groundwater Wells Located within a 25 Mile (40-km) Radius of BBNPP (Listed in Pennsylvania Groundwater Information System)}

PA WELL ID	OWNER	DATE DRILLED	DRILLING METHOD	COUNTY	LATITUDE	LONGITUDE	WELL DEPTH (ft bgs)	WELL FINISH	WELL YIELD (gpm)	STATIC WATER LEVEL (ft bgs)	WATER USE
28793	GEISINGER MED CENTER		OTHER/UNKNOWN	MONTOUR	40.96944	-76.60750	400	UNKNOWN	60		INSTITUTIONAL
28794	GEISINGER MED CENTER	1/1/1961	OTHER/UNKNOWN	MONTOUR	40.96944	-76.60778	300	UNKNOWN	60		INSTITUTIONAL
28796	CLEVELL VENDING	12/28/1967	CABLE TOOL	MONTOUR	40.97028	-76.53750	88	UNKNOWN	10	11.07692	DOMESTIC
28797	MCCAFFERY, ROBERT	12/2/1975	OTHER/UNKNOWN	MONTOUR	40.97028	-76.56750	115	UNKNOWN	50		DOMESTIC
28799	SCHULLER D	10/30/1974	AIR ROTARY	MONTOUR	40.97056	-76.56667	155	UNKNOWN	8	20	DOMESTIC
28800	FRY, ROBERT L	11/19/1975	AIR ROTARY	MONTOUR	40.97111	-76.53667	215	UNKNOWN		41.8	DOMESTIC
28801	FROSTY VALLEY CC	7/22/1966	OTHER/UNKNOWN	MONTOUR	40.97111	-76.57361	213	OPEN HOLE	7		IRRIGATION
28802	HARTMAN, STUART	10/2/1974	CABLE TOOL	MONTOUR	40.97139	-76.53917	169	UNKNOWN		82.8	DOMESTIC
28803	HUBICKI, JOHN	12/4/1967	AIR ROTARY	MONTOUR	40.97250	-76.61000	115	OPEN HOLE	5	57	DOMESTIC
28804	SAIENNI, GOVEN	10/12/1966	AIR ROTARY	MONTOUR	40.97250	-76.61000	255	OPEN HOLE	4	20	DOMESTIC
28805	HUBICKI, JOHN	2/22/1968	AIR ROTARY	MONTOUR	40.97250	-76.61000	205	OPEN HOLE	20	30	DOMESTIC
28806	PAPPAS, GEORGE	8/15/1977	AIR ROTARY	MONTOUR	40.97278	-76.57861	198	OPEN HOLE	5	30	DOMESTIC
28807	MITCHELL, TRUMAN O	1/20/1976	AIR ROTARY	MONTOUR	40.97278	-76.59111	215	OPEN HOLE	6		DOMESTIC
28809	HENRY, HAROLD T	7/15/1968	AIR ROTARY	MONTOUR	40.97306	-76.56806	215	UNKNOWN	12	50	DOMESTIC
28810	ALBERTINI, ROBERT	12/3/1975	AIR ROTARY	MONTOUR	40.97333	-76.56917	195	UNKNOWN	6		DOMESTIC
28811	STAMEY, HARRY C	8/29/1973	AIR ROTARY	MONTOUR	40.97389	-76.56917	150	UNKNOWN	8	44	DOMESTIC
28815	STANKO, J.		OTHER/UNKNOWN	MONTOUR	40.97472	-76.59583	200	UNKNOWN			DOMESTIC
28816	RAUP, W.	7/5/1978	AIR ROTARY	MONTOUR	40.97500	-76.59306	200	OPEN HOLE		30	DOMESTIC
28820	MAHONING TWP. AUTH.	1/28/1966	OTHER/UNKNOWN	MONTOUR	40.97583	-76.58639	305	UNKNOWN	12		PUBLIC SUPPLY
28821	MAHONING TWP. AUTH.	9/26/1960	OTHER/UNKNOWN	MONTOUR	40.97583	-76.58639	312	OPEN HOLE	111	-0.2352924	PUBLIC SUPPLY
28822	BLUE, JAMES	4/22/1966	CABLE TOOL	MONTOUR	40.97611	-76.57611	100	OPEN HOLE	6		DOMESTIC
28823	MAHONING TWP. AUTH.	1/1/1960	OTHER/UNKNOWN	MONTOUR	40.97639	-76.58722		UNKNOWN	10		PUBLIC SUPPLY
28824	MAHONING TWP. AUTH.	1/1/1960	OTHER/UNKNOWN	MONTOUR	40.97639	-76.58778		UNKNOWN	10		PUBLIC SUPPLY
28831	ACKERMAN, KENNETH	1/1/1979	OTHER/UNKNOWN	MONTOUR	40.97944	-76.58139	136	UNKNOWN		1.56	
28832	FORNEY, THOMAS	4/22/1982	AIR ROTARY	MONTOUR	40.97972	-76.57056	223	OPEN HOLE	6		DOMESTIC
28833	KEITER, CHARLES	2/1/1979	AIR ROTARY	MONTOUR	40.98028	-76.58222	300	OPEN HOLE		-69.7	PUBLIC SUPPLY
28834	COOK, MARK	8/1/1981	CABLE TOOL	MONTOUR	40.98056	-76.57083	189	OPEN HOLE	3	17.8	DOMESTIC
28835	JAMES, EDWARD		OTHER/UNKNOWN	MONTOUR	40.98111	-76.58278	150	UNKNOWN	30		DOMESTIC
28844	MORDAN, LARRY	6/16/1977	CABLE TOOL	MONTOUR	40.98639	-76.62056	128	OPEN HOLE		58.7	DOMESTIC
28852	HARTMAN, MILTON	12/8/1975	AIR ROTARY	MONTOUR	40.99167	-76.57389	175	OPEN HOLE		3.3	DOMESTIC
28853	PINEBROOK HOMES	8/1/1980	OTHER/UNKNOWN	MONTOUR	40.99222	-76.59250	153	UNKNOWN	1.7		DOMESTIC
28857	FIRST BABT IST CHURCH	1/1/1977	AIR ROTARY	MONTOUR	40.99528	-76.61778	70	OPEN HOLE	20	10	DOMESTIC

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PA WELL ID	OWNER	DATE DRILLED	DRILLING METHOD	COUNTY	LATITUDE	LONGITUDE	WELL DEPTH (ft bgs)	WELL FINISH	WELL YIELD (gpm)	STATIC WATER LEVEL (ft bgs)	WATER USE
28867	KOCKER LOT 8	5/1/1979	AIR ROTARY	MONTOUR	40.99667	-76.60694	145	UNKNOWN	20	35	DOMESTIC
28868	KOCKER LOT 9	5/1/1979	AIR ROTARY	MONTOUR	40.99667	-76.60694	200	UNKNOWN	5	30	DOMESTIC
28869	KOCKER LOT 3	11/1/1978	OTHER/UNKNOWN	MONTOUR	40.99667	-76.61556	95	UNKNOWN	15	30	DOMESTIC
28870	KOCKER LOT 4	7/1/1978	OTHER/UNKNOWN	MONTOUR	40.99667	-76.61556	140	OPEN HOLE	5	50	DOMESTIC
28871	KOCKER LOT 5	7/1/1978	OTHER/UNKNOWN	MONTOUR	40.99667	-76.61556	170	OPEN HOLE	5	40	DOMESTIC
28872	KOCKER LOT 6	11/1/1978	OTHER/UNKNOWN	MONTOUR	40.99667	-76.61556	170	OPEN HOLE	12	45	DOMESTIC
28873	KOCKER LOT 6	9/1/1978	OTHER/UNKNOWN	MONTOUR	40.99667	-76.61556	170	OPEN HOLE	5	40	DOMESTIC
28874	KOCKER LOT 9	11/1/1978	OTHER/UNKNOWN	MONTOUR	40.99667	-76.61556	155	UNKNOWN	7	40	DOMESTIC
28889	MT. CARMEL WATER CO	1/1/1908	CABLE TOOL	NORTHUMBERLAND	40.78389	-76.41889	1180	OPEN HOLE	120		PUBLIC SUPPLY
28902				NORTHUMBERLAND	40.80194	-76.44833	520				UNUSED
28908				NORTHUMBERLAND	40.80583	-76.43806	854			88.4	UNUSED
28912				NORTHUMBERLAND	40.81333	-76.40667					UNUSED
28913		1/1/1975	CABLE TOOL	NORTHUMBERLAND	40.81639	-76.46083	521	OPEN HOLE		411	UNUSED
28929	ALL SAINTS CEMETARY	6/3/1976	AIR ROTARY	NORTHUMBERLAND	40.84472	-76.51778	125	OPEN HOLE	20		DOMESTIC
28933	SWANK, WILLIAM	4/28/1978	AIR ROTARY	NORTHUMBERLAND	40.84833	-76.52361	300	OPEN HOLE	3	58	DOMESTIC
29130				NORTHUMBERLAND	40.85056	-76.52056					
29210	BROUSE, WAYNE	1/1/1960	AIR ROTARY	NORTHUMBERLAND	40.93667	-76.58944	83	OPEN HOLE	35		
29211	SHAFFER, ALLEN	7/13/1966	CABLE TOOL	NORTHUMBERLAND	40.93750	-76.56667	80	OPEN HOLE		29.7	DOMESTIC
31494				SCHUYLKILL	40.73417	-76.12333					UNUSED
31496				SCHUYLKILL	40.73500	-76.20056					UNUSED
31499				SCHUYLKILL	40.74028	-76.19778					UNUSED
31501	LEMASTERS, ROBERT	12/1/1969	CABLE TOOL	SCHUYLKILL	40.74194	-76.02194	90	OPEN HOLE	30	41	DOMESTIC
31503	BLYTHE TOWNSHIP MUN. AUTH.	1/1/1965	AIR ROTARY	SCHUYLKILL	40.74806	-76.12833	525	OPEN HOLE	130		UNUSED
31504	BLYTHE TOWNSHIP MUN. AUTH.	1/1/1965	AIR ROTARY	SCHUYLKILL	40.74833	-76.13000	500	OPEN HOLE	30		UNUSED
31505	SNYDER, ANSON L	10/1/1972	AIR ROTARY	SCHUYLKILL	40.74917	-76.33611	150	OPEN HOLE		35.9	DOMESTIC
31506	SNYDER, DAVID	6/1/1967	AIR ROTARY	SCHUYLKILL	40.74944	-76.33750	135	OPEN HOLE	12		DOMESTIC
31507	HOFFMAN RUTH		CABLE TOOL	SCHUYLKILL	40.75056	-76.06278	18.6	OPEN HOLE			DOMESTIC
31509	LONG, R.	11/15/1977	OTHER/UNKNOWN	SCHUYLKILL	40.75083	-76.33528	162	OPEN HOLE	40	40	DOMESTIC
31511	OHARA, FRANK	1/1/1977	CABLE TOOL	SCHUYLKILL	40.75139	-76.03556	120	OPEN HOLE	18	55	DOMESTIC
31512	HROMYAK, MICHAEL	5/1/1977	CABLE TOOL	SCHUYLKILL	40.75222	-76.03361	135	OPEN HOLE		39.4	DOMESTIC

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31513				SCHUYLKILL	40.75333	-76.04861					UNUSED
31515	BOTELLA, VICKI		OTHER/UNKNOWN	SCHUYLKILL	40.75444	-76.31972	125	UNKNOWN		35.3	DOMESTIC
31516	BOTELLA, VICKI		OTHER/UNKNOWN	SCHUYLKILL	40.75472	-76.32083	58	UNKNOWN		31.5	UNUSED
31517	MARY D SERVICE STATI		CABLE TOOL	SCHUYLKILL	40.75500	-76.05667	42	OPEN HOLE			UNUSED
31518	SCHUYLKILL MUN. AUTH.	12/5/1980	AIR ROTARY	SCHUYLKILL	40.75583	-76.17167	404	OPEN HOLE		21.7	PUBLIC SUPPLY
31519	SCHUYLKILL MUN. AUTH.	3/30/1972	OTHER/UNKNOWN	SCHUYLKILL	40.75694	-76.20556	304	UNKNOWN	30	35	UNUSED
31520	ZIMMERMAN, LEIBY	7/1/1966	AIR ROTARY	SCHUYLKILL	40.75750	-76.02417	407	OPEN HOLE	22	70	COMMERCIAL
31521				SCHUYLKILL	40.75861	-76.04917					UNUSED
31523	HATCHEL JOE	8/1/1924	CABLE TOOL	SCHUYLKILL	40.75972	-76.34889	100	OPEN HOLE			DOMESTIC
31524	ASHLAND PURE ICE CO		CABLE TOOL	SCHUYLKILL	40.75972	-76.34889	198	OPEN HOLE	35		UNUSED
31525	FETTEROLE, JAMES	7/5/1982	AIR ROTARY	SCHUYLKILL	40.76000	-76.31056	140	OPEN HOLE		18.8	DOMESTIC
31527				SCHUYLKILL	40.76056	-76.11028					UNUSED
31528				SCHUYLKILL	40.76056	-76.11083					UNUSED
31529	PRICE, WILLIAM G	10/1/1978	AIR ROTARY	SCHUYLKILL	40.76167	-76.30083	300	OPEN HOLE		74.5	DOMESTIC
31530	PAUL, ELLIS	3/21/1977	AIR ROTARY	SCHUYLKILL	40.76250	-76.31944	460	OPEN HOLE	40	128	DOMESTIC
31533	MILLER, JAMES	6/1/1982	AIR ROTARY	SCHUYLKILL	40.76417	-76.29389	215	OPEN HOLE		57.1	DOMESTIC
31534	BLYTHE TOWNSHIP WATE	8/18/1950	CABLE TOOL	SCHUYLKILL	40.76472	-76.08028	1050	OPEN HOLE	45		PUBLIC SUPPLY
31535	WPAM	1/1/1947	CABLE TOOL	SCHUYLKILL	40.76611	-76.14806	139	OPEN HOLE	20		DOMESTIC
31536	SCHUYLKILL MUN. AUTH.	3/13/1972	AIR ROTARY	SCHUYLKILL	40.76611	-76.21694	205	OPEN HOLE	35		UNUSED
31537	FOUNTAIN SPGS C.C.	12/1/1980	AIR ROTARY	SCHUYLKILL	40.76611	-76.33417	435	OPEN HOLE	70	91.7	IRRIGATION
31538	STEINMETZ H		CABLE TOOL	SCHUYLKILL	40.76750	-76.03500	52	OPEN HOLE	10	15	DOMESTIC
31539	BARAN, ANTHONY	5/15/1978	AIR ROTARY	SCHUYLKILL	40.76750	-76.33000	322	OPEN HOLE		47.1	DOMESTIC
31540	SCHUYLKILL MUN. AUTH.	11/1/1980	AIR ROTARY	SCHUYLKILL	40.76778	-76.24222	425	OPEN HOLE	12	12	UNUSED
31541	BARAN, ANTHONY	5/1/1977	AIR ROTARY	SCHUYLKILL	40.76944	-76.32194	102	OPEN HOLE		20.9	DOMESTIC
31542	MILLER, M L	7/1/1931	CABLE TOOL	SCHUYLKILL	40.76944	-76.33000	455	OPEN HOLE	30	185.2381	DOMESTIC
31543				SCHUYLKILL	40.77000	-76.03222					UNUSED
31544	GEORGE, WILLIAM	1/1/1971	OTHER/UNKNOWN	SCHUYLKILL	40.77000	-76.31111	185	OPEN HOLE	20	77.6	DOMESTIC
31545	ASHLAND ST. HOSP.	1/1/1931	CABLE TOOL	SCHUYLKILL	40.77000	-76.33056	419	OPEN HOLE	65	167.5862	COMMERCIAL
31546	JOHNSON, MELVIN	4/1/1978	AIR ROTARY	SCHUYLKILL	40.77056	-76.28167	150	OPEN HOLE		52.3	DOMESTIC
31547	SELZER BUD	2/1/1925	CABLE TOOL	SCHUYLKILL	40.77083	-76.32389	70	OPEN HOLE			DOMESTIC
31548	FOUNTAIN SPR BEV CO		CABLE TOOL	SCHUYLKILL	40.77083	-76.32389	120	OPEN HOLE	10		INDUSTRIAL
31549	BOYER, MALCOLM	1/1/1968	AIR ROTARY	SCHUYLKILL	40.77111	-76.29444	242	OPEN HOLE	3		DOMESTIC

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31550	SAMELKO, JAMES	8/1/1978	AIR ROTARY	SCHUYLKILL	40.77278	-76.29389	230	OPEN HOLE		69.7	DOMESTIC
31551	WETZEL, R.	8/28/1979	OTHER/UNKNOWN	SCHUYLKILL	40.77278	-76.29611	260	UNKNOWN		49.6	DOMESTIC
31552	STAHLER, FRANKLIN	7/1/1977	AIR ROTARY	SCHUYLKILL	40.77306	-75.97500	225	OPEN HOLE	10	68	DOMESTIC
31553	HEINTZLMAN D.	8/1/1980	OTHER/UNKNOWN	SCHUYLKILL	40.77306	-76.29778	140	OPEN HOLE	10	50	DOMESTIC
31554				SCHUYLKILL	40.77333	-76.37083					UNUSED
31555	WATKINS, G. H	8/1/1980	AIR ROTARY	SCHUYLKILL	40.77417	-76.27778	180	OPEN HOLE		39.4	RECREATION
31556	ASHLAND BOROUGH	8/1/1980	AIR ROTARY	SCHUYLKILL	40.77444	-76.25417	40	OPEN HOLE	60		PUBLIC SUPPLY
31557	KEYSTONE WATER CO.	7/29/1982	AIR ROTARY	SCHUYLKILL	40.77556	-76.22778	362	OPEN HOLE	220		PUBLIC SUPPLY
31557	KEYSTONE WATER CO.	7/29/1982	AIR ROTARY	SCHUYLKILL	40.77556	-76.22778	362	OPEN HOLE	220		PUBLIC SUPPLY
31558	KEYSTONE WATER CO.	6/1/1982	AIR ROTARY	SCHUYLKILL	40.77611	-76.22472	550	OPEN HOLE		16.3	PUBLIC SUPPLY
31559	MT CITY WATER CO.		CABLE TOOL	SCHUYLKILL	40.77750	-76.23111	320	OPEN HOLE	200	9.6087	UNUSED
31560	KEYSTONE WATER CO		CABLE TOOL	SCHUYLKILL	40.77750	-76.23167	500	OPEN HOLE			PUBLIC SUPPLY
31561	MT CITY WATER CO		CABLE TOOL	SCHUYLKILL	40.77750	-76.23250	452	OPEN HOLE	350	-6.333333	PUBLIC SUPPLY
31562	METRAPOLITAN MIRROR		OTHER/UNKNOWN	SCHUYLKILL	40.77778	-76.22556		OPEN HOLE	129		INDUSTRIAL
31563	LUSCAVAGE, VINCENT P	4/1/1976	AIR ROTARY	SCHUYLKILL	40.77806	-76.22333	122	OPEN HOLE		18.7	DOMESTIC
31564	STOUDT, JOHN	6/1/1966	AIR ROTARY	SCHUYLKILL	40.77889	-75.98028	214	OPEN HOLE	11	55	DOMESTIC
31565	MOUNTAIN CITY WATER		CABLE TOOL	SCHUYLKILL	40.77944	-76.23278	535	OPEN HOLE	110		UNUSED
31566	MOUNTAIN CITY WATER		CABLE TOOL	SCHUYLKILL	40.77944	-76.23278	525	OPEN HOLE	150	8	UNUSED
31567	EMERICK W		CABLE TOOL	SCHUYLKILL	40.78028	-75.98389	103	OPEN HOLE			DOMESTIC
31568	LOCUST LAKE STATE PARK	4/1/1969	AIR ROTARY	SCHUYLKILL	40.78056	-76.12917	254	OPEN HOLE	300	5	RECREATION
31569	GERA, LUCY	5/1/1968	CABLE TOOL	SCHUYLKILL	40.78083	-76.21056	90	OPEN HOLE	45	18	DOMESTIC
31570	ASHLAND BOROUGH	7/1/1980	AIR ROTARY	SCHUYLKILL	40.78167	-76.25750	425	OPEN HOLE		4.52	UNUSED
31571	MAKAUSKAS, J.	1/30/1981	OTHER/UNKNOWN	SCHUYLKILL	40.78194	-76.21694	262	OPEN HOLE	5	30	DOMESTIC
31572	SHELHEIMER	1/1/1928	CABLE TOOL	SCHUYLKILL	40.78222	-75.96028	100	OPEN HOLE	25	21.33333	INDUSTRIAL
31573	CHOWANSKY, JOHN	10/1/1969	CABLE TOOL	SCHUYLKILL	40.78222	-76.24583	153	OPEN HOLE	10	130	DOMESTIC
31574				SCHUYLKILL	40.78250	-76.18194					UNUSED
31575	SAVAKINAS, F.	7/1/1980	OTHER/UNKNOWN	SCHUYLKILL	40.78250	-76.25083	120	OPEN HOLE	15	43	DOMESTIC
31576	SWADE,	11/17/1975	AIR ROTARY	SCHUYLKILL	40.78278	-76.24250	577	OPEN HOLE	30	105	DOMESTIC
31577	BOLINSKY, LEONARD	8/1/1969	CABLE TOOL	SCHUYLKILL	40.78278	-76.24528	95	OPEN HOLE	30	75	DOMESTIC
31578	MT CITY WATER CO.	1/1/1915	CABLE TOOL	SCHUYLKILL	40.78333	-76.23333	651	OPEN HOLE	45	8.61538	PUBLIC SUPPLY
31579	MT CITY WATER CO.	1/1/1912	CABLE TOOL	SCHUYLKILL	40.78333	-76.23333	520	OPEN HOLE	95	8.14634	PUBLIC SUPPLY

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Table 2.3-33 {Groundwater Wells Located within a 25 Mile (40-km) Radius of BBNPP (Listed in Pennsylvania Groundwater Information System)}

PA WELL ID	OWNER	DATE DRILLED	DRILLING METHOD	COUNTY	LATITUDE	LONGITUDE	WELL DEPTH (ft bgs)	WELL FINISH	WELL YIELD (gpm)	STATIC WATER LEVEL (ft bgs)	WATER USE
31580	MT CITY WATER CO.	1/1/1904	CABLE TOOL	SCHUYLKILL	40.78472	-76.23528	402	OPEN HOLE	120	4	PUBLIC SUPPLY
31581	REMALEY, C.	2/6/1981	OTHER/UNKNOWN	SCHUYLKILL	40.78417	-76.33000	382	OPEN HOLE	15	6	COMMERCIAL
31582	PA DER	1/1/1974	OTHER/UNKNOWN	SCHUYLKILL	40.78444	-76.32861	274	OPEN HOLE		44	UNUSED
31583	MATEYAK, JOHN A	8/1/1970	OTHER/UNKNOWN	SCHUYLKILL	40.78472	-75.97111	540	OPEN HOLE	6	58	DOMESTIC
31584				SCHUYLKILL	40.78472	-76.00889					UNUSED
31585				SCHUYLKILL	40.78500	-76.33167					UNUSED
31586	NEVERTTS		CABLE TOOL	SCHUYLKILL	40.78556	-76.23333	99	OPEN HOLE			IRRIGATION
31587	DUNN C F	9/1/1930	CABLE TOOL	SCHUYLKILL	40.78639	-75.97000	94	OPEN HOLE	3	49.81928	DOMESTIC
31588	PA DER	1/1/1976	OTHER/UNKNOWN	SCHUYLKILL	40.78667	-76.31917	281	OPEN HOLE		27.5	UNUSED
31589	PA DER	1/1/1973	OTHER/UNKNOWN	SCHUYLKILL	40.78694	-76.31611	265	OPEN HOLE		8	UNUSED
31590	CITIZENS WATER CO		CABLE TOOL	SCHUYLKILL	40.78778	-76.18389	280	OPEN HOLE	20		UNUSED
31591	MOREA CITIZENS WATER		CABLE TOOL	SCHUYLKILL	40.78750	-76.18333	325	OPEN HOLE			UNUSED
31592	WALTERS, BEN	9/1/1970	CABLE TOOL	SCHUYLKILL	40.78778	-75.95611	94	OPEN HOLE	10	25	DOMESTIC
31593	LOCUST VALLEY COAL C	1/1/1964	AIR ROTARY	SCHUYLKILL	40.78972	-76.12306	190	OPEN HOLE	5		COMMERCIAL
31594	LOCUST VALLEY GOLF C	1/1/1964	AIR ROTARY	SCHUYLKILL	40.79000	-76.12222	190	OPEN HOLE	23		IRRIGATION
31595	TERRACE MARY	1/1/1945	CABLE TOOL	SCHUYLKILL	40.79028	-75.99278	102	OPEN HOLE			DOMESTIC
31596	LOCUST VALLEY GOLF C	1/1/1964	AIR ROTARY	SCHUYLKILL	40.79028	-76.12278	190	OPEN HOLE	10		UNUSED
31597				SCHUYLKILL	40.79028	-76.29278					UNUSED
31598	EAMES	1/1/1900	CABLE TOOL	SCHUYLKILL	40.79083	-75.99361	35.3	OPEN HOLE			UNUSED
31599				SCHUYLKILL	40.79083	-76.32389					UNUSED
31600				SCHUYLKILL	40.79111	-75.98583					UNUSED
31601	BENKO		DUG	SCHUYLKILL	40.79111	-75.99389	24.5	WALLED			DOMESTIC
31602	TAMAQUA BOROUGH	1/1/1915	CABLE TOOL	SCHUYLKILL	40.79306	-75.93333	400	OPEN HOLE	150		UNUSED
31602	TAMAQUA BOROUGH	1/1/1915	OTHER/UNKNOWN	SCHUYLKILL	40.79306	-75.93333	400	UNKNOWN	150		UNUSED
31603	LOCUST VALLEY COAL C	1/1/1964	AIR ROTARY	SCHUYLKILL	40.79167	-76.12833	190	OPEN HOLE	80		RECREATION
31604				SCHUYLKILL	40.79167	-76.26833					UNUSED
31605	LOCUST VALLEY GOLF C	1/1/1964	AIR ROTARY	SCHUYLKILL	40.79222	-76.11944	190	OPEN HOLE	70		IRRIGATION
31606	REICHELDERFER	9/1/1966	CABLE TOOL	SCHUYLKILL	40.79222	-75.94389	122	UNKNOWN	20	60	DOMESTIC
31607	TRUDICH JR JOHN	9/1/1970	CABLE TOOL	SCHUYLKILL	40.79250	-75.94750	140	OPEN HOLE	15	40	DOMESTIC
31608	LOCUST VALLEY GOLF C	1/1/1964	AIR ROTARY	SCHUYLKILL	40.79250	-76.11750	190	OPEN HOLE	7		IRRIGATION
31609	PA DEPT OF ENV. RES.	10/7/1974	OTHER/UNKNOWN	SCHUYLKILL	40.79250	-76.24500	560	OPEN HOLE			UNUSED
31610	PA DEPT OF ENV. RES.	10/22/1974	OTHER/UNKNOWN	SCHUYLKILL	40.79278	-76.24417	446	OPEN HOLE			UNUSED

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Table 2.3-33 {Groundwater Wells Located within a 25 Mile (40-km) Radius of BBNPP (Listed in Pennsylvania Groundwater Information System)}

PA WELL ID	OWNER	DATE DRILLED	DRILLING METHOD	COUNTY	LATITUDE	LONGITUDE	WELL DEPTH (ft bgs)	WELL FINISH	WELL YIELD (gpm)	STATIC WATER LEVEL (ft bgs)	WATER USE
31611	FETTERS DAIRY	1/1/1928	CABLE TOOL	SCHUYLKILL	40.79278	-76.28444	146	OPEN HOLE		11	INDUSTRIAL
31612	PA. DEPT. ENV. RES.	1/1/1974	AIR ROTARY	SCHUYLKILL	40.79333	-76.32417	144	OPEN HOLE		15	UNUSED
31613	TAMAQUA BOROUGH	1/1/1904	CABLE TOOL	SCHUYLKILL	40.79306	-75.93333	365	OPEN HOLE			UNUSED
31614	TAMAQUA BOROUGH	1/1/1909	CABLE TOOL	SCHUYLKILL	40.79306	-75.93333	500	OPEN HOLE			UNUSED
31615	TAMAQUA BOROUGH	1/1/1912	CABLE TOOL	SCHUYLKILL	40.79306	-75.93333	400	OPEN HOLE			UNUSED
31616	LOCUST VALLEY GOLF C	1/1/1964	AIR ROTARY	SCHUYLKILL	40.79333	-76.12139	190	OPEN HOLE	10		IRRIGATION
31617	PA. DEPT. ENV. RES.		AIR ROTARY	SCHUYLKILL	40.79361	-76.25389	213	OPEN HOLE		56.5	UNUSED
31618	LOCUST VALLEY GOLF C	1/1/1964	AIR ROTARY	SCHUYLKILL	40.79389	-76.11750	190	OPEN HOLE	70		UNUSED
31619		1/1/1976	OTHER/UNKNOWN	SCHUYLKILL	40.79389	-76.27389	281	UNKNOWN		14	UNUSED
31620				SCHUYLKILL	40.79417	-76.27444					UNUSED
31621				SCHUYLKILL	40.79444	-76.27278					UNUSED
31622	PA DER		OTHER/UNKNOWN	SCHUYLKILL	40.79444	-76.27444	148	OPEN HOLE			UNUSED
31623				SCHUYLKILL	40.79472	-76.28000					UNUSED
31624	MEROK STANLEY	1/1/1940	CABLE TOOL	SCHUYLKILL	40.79611	-76.15750	65	OPEN HOLE		15	DOMESTIC
31625	PA DER	1/1/1973	OTHER/UNKNOWN	SCHUYLKILL	40.79806	-76.22500	193	OPEN HOLE		43.9	UNUSED
31626	BILLMAN AND STEGMAIE	6/1/1922	CABLE TOOL	SCHUYLKILL	40.79833	-75.96583	116	OPEN HOLE	30		INDUSTRIAL
31627	BLUE HARRY	1/1/1930	CABLE TOOL	SCHUYLKILL	40.80083	-76.05250	93	OPEN HOLE		30	DOMESTIC
31628	PA DER	1/1/1974	OTHER/UNKNOWN	SCHUYLKILL	40.80083	-76.20917	280	OPEN HOLE		47.1	UNUSED
31629				SCHUYLKILL	40.80167	-76.26778					UNUSED
31630	FRITZ, DAVID	5/1/1969	AIR ROTARY	SCHUYLKILL	40.80333	-76.04417	98	OPEN HOLE	21	30	DOMESTIC
31631	PA DER	1/1/1973	OTHER/UNKNOWN	SCHUYLKILL	40.80472	-76.17889	282	OPEN HOLE		47.6	UNUSED
31632	TUSCARORA STATE PARK	12/1/1965	AIR ROTARY	SCHUYLKILL	40.80528	-76.02194	275	OPEN HOLE	80	83.6	PUBLIC SUPPLY
31633		1/1/1973	OTHER/UNKNOWN	SCHUYLKILL	40.80528	-76.26444	202	OPEN HOLE		52	UNUSED
31634	GERMAN CEMETERY		CABLE TOOL	SCHUYLKILL	40.80556	-76.12417	112	OPEN HOLE	20		DOMESTIC
31635	TUSCARORA STATE PARK	12/1/1965	AIR ROTARY	SCHUYLKILL	40.80583	-76.00917	275	OPEN HOLE	20	39.8	PUBLIC SUPPLY
31636				SCHUYLKILL	40.80694	-76.24694					UNUSED
31637	PA DER	1/1/1974	OTHER/UNKNOWN	SCHUYLKILL	40.80778	-76.23722	280	OPEN HOLE		16	UNUSED
31638	PA DER	1/1/1974	OTHER/UNKNOWN	SCHUYLKILL	40.80806	-76.24694	289	OPEN HOLE		1.78	UNUSED
31639				SCHUYLKILL	40.80833	-76.24694					UNUSED
31640	TUSCARORA STATE PARK	1/1/1966	AIR ROTARY	SCHUYLKILL	40.80861	-76.01639	400	OPEN HOLE	65	89	PUBLIC SUPPLY
31641	PA DER	1/1/1973	OTHER/UNKNOWN	SCHUYLKILL	40.81028	-76.17917	142	UNKNOWN		73.3	UNUSED
31642	TURNER, ROY L	6/24/1963	AIR ROTARY	SCHUYLKILL	40.81194	-76.01528	384	UNKNOWN	30	180	DOMESTIC

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Table 2.3-33 {Groundwater Wells Located within a 25 Mile (40-km) Radius of BBNPP (Listed in Pennsylvania Groundwater Information System)}

PA WELL ID	OWNER	DATE DRILLED	DRILLING METHOD	COUNTY	LATITUDE	LONGITUDE	WELL DEPTH (ft bgs)	WELL FINISH	WELL YIELD (gpm)	STATIC WATER LEVEL (ft bgs)	WATER USE
31643	TURNER, ROY L	11/25/1957	CABLE TOOL	SCHUYLKILL	40.81194	-76.01528	150	OPEN HOLE	25	23	DOMESTIC
31644	HERVING J		CABLE TOOL	SCHUYLKILL	40.81333	-76.03167	112	OPEN HOLE	10		DOMESTIC
31645	CLARK RAY		CABLE TOOL	SCHUYLKILL	40.81472	-76.03278	46	OPEN HOLE			DOMESTIC
31646	PA DER	1/1/1976	OTHER/UNKNOWN	SCHUYLKILL	40.81472	-76.14417	517	UNKNOWN		128	UNUSED
31647	HEFF	12/1/1928	CABLE TOOL	SCHUYLKILL	40.81500	-76.03167	50	OPEN HOLE	15		DOMESTIC
31648	KIRSCHER C J		CABLE TOOL	SCHUYLKILL	40.81528	-76.05611	64	OPEN HOLE			DOMESTIC
31649				SCHUYLKILL	40.81528	-76.12639					UNUSED
31650	BLACKWELL		CABLE TOOL	SCHUYLKILL	40.81556	-76.08417	75	OPEN HOLE	15		DOMESTIC
31651	PA DER	1/1/1973	OTHER/UNKNOWN	SCHUYLKILL	40.81583	-76.14194	157	OPEN HOLE		99.9	UNUSED
31652	KERN GEORGE	1/1/1950	CABLE TOOL	SCHUYLKILL	40.81611	-76.08278	1080	OPEN HOLE			DOMESTIC
31653	LAKESIDE PARK		CABLE TOOL	SCHUYLKILL	40.81639	-76.04694	65	OPEN HOLE			UNUSED
31654	ST. RICHARDS	1/1/1969	AIR ROTARY	SCHUYLKILL	40.81667	-76.04944	314	OPEN HOLE	25	60	DOMESTIC
31655	BRAINBRIDGE		CABLE TOOL	SCHUYLKILL	40.81750	-76.05222	90	OPEN HOLE			DOMESTIC
31656	POPNICK, LEO	9/1/1966	AIR ROTARY	SCHUYLKILL	40.81806	-76.05250	96	UNKNOWN	25	18	DOMESTIC
31657	TEETER S		CABLE TOOL	SCHUYLKILL	40.81889	-76.02361	58	OPEN HOLE	4		DOMESTIC
31658				SCHUYLKILL	40.81917	-75.93333					DEWATER
31659	RYAN TWSP.BLDG.	10/1/1971	AIR ROTARY	SCHUYLKILL	40.81917	-76.05639	300	OPEN HOLE	10	37	DOMESTIC
31660	BLUME, HENRY	7/1/1966	AIR ROTARY	SCHUYLKILL	40.81972	-76.05389	96	OPEN HOLE	30	21	DOMESTIC
31661	SMIGO, ROBERT	11/1/1971	AIR ROTARY	SCHUYLKILL	40.82028	-75.98639	198	OPEN HOLE		57.8	DOMESTIC
31662	SOULT, GENE	11/1/1975	AIR ROTARY	SCHUYLKILL	40.82056	-76.06278	200	OPEN HOLE	12	55	DOMESTIC
31663	TOLAN, JAMES	5/1/1976	AIR ROTARY	SCHUYLKILL	40.82083	-76.06306	320	OPEN HOLE	20	58	DOMESTIC
31664	PA DER	1/1/1973	OTHER/UNKNOWN	SCHUYLKILL	40.82194	-76.21056	148	OPEN HOLE		130	UNUSED
31665	STARCH HARRY	5/1/1930	CABLE TOOL	SCHUYLKILL	40.82222	-75.99694	98	OPEN HOLE	20		DOMESTIC
31666	RODGERS, EDWARD	8/1/1971	AIR ROTARY	SCHUYLKILL	40.82222	-76.03167	150	OPEN HOLE	35	36	DOMESTIC
31667	FREDERICKSON JAMES E	7/1/1973	AIR ROTARY	SCHUYLKILL	40.82250	-75.97083	175	OPEN HOLE	25	38	DOMESTIC
31668	RYAN J M		CABLE TOOL	SCHUYLKILL	40.82278	-75.97694	100	OPEN HOLE			DOMESTIC
31669	GEARHARD, GLENN	8/1/1971	AIR ROTARY	SCHUYLKILL	40.82306	-75.97444	149	OPEN HOLE	35	60	DOMESTIC
31670	PURNELL, LYNN	7/1/1974	AIR ROTARY	SCHUYLKILL	40.82306	-76.06806	225	OPEN HOLE	10	84	DOMESTIC
31671	PaDER	1/1/1975	OTHER/UNKNOWN	SCHUYLKILL	40.82333	-76.19972	313	OPEN HOLE			UNUSED
31672	SCHREPPEL, E.	9/29/1978	OTHER/UNKNOWN	SCHUYLKILL	40.82389	-76.22333	110	OPEN HOLE	30	22	DOMESTIC
31673	SAYLOR'S BAKERY INC		CABLE TOOL	SCHUYLKILL	40.82444	-75.98556	205	OPEN HOLE	60	45.14286	INDUSTRIAL
31674	KROUT, RUSSELL	5/1/1976	AIR ROTARY	SCHUYLKILL	40.82472	-75.98806	122	OPEN HOLE	25	20	DOMESTIC

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Table 2.3-33 {Groundwater Wells Located within a 25 Mile (40-km) Radius of BBNPP (Listed in Pennsylvania Groundwater Information System)}

PA WELL ID	OWNER	DATE DRILLED	DRILLING METHOD	COUNTY	LATITUDE	LONGITUDE	WELL DEPTH (ft bgs)	WELL FINISH	WELL YIELD (gpm)	STATIC WATER LEVEL (ft bgs)	WATER USE
31675	BAIR L	1/1/1929	CABLE TOOL	SCHUYLKILL	40.82583	-76.05583	50	OPEN HOLE			DOMESTIC
31676				SCHUYLKILL	40.82611	-76.45111					
31677	HECKMAN, ARTHUR	3/1/1971	AIR ROTARY	SCHUYLKILL	40.82639	-76.03306	120	OPEN HOLE	35	18	DOMESTIC
31678	PA DER	1/1/1974	OTHER/UNKNOWN	SCHUYLKILL	40.82639	-76.13861	154	OPEN HOLE		76	UNUSED
31679	ROUNDS, DANIEL	6/1/1974	AIR ROTARY	SCHUYLKILL	40.82778	-76.06417	200	OPEN HOLE	20	48	DOMESTIC
31680	LIGHT, LARRY	5/1/1977	AIR ROTARY	SCHUYLKILL	40.82889	-76.05250	162	UNKNOWN	11	50	DEWATER
31681	BACHUS HENRY		CABLE TOOL	SCHUYLKILL	40.82889	-76.05889	100	OPEN HOLE	20	64.28571	DOMESTIC
31682	FEGLEY, S. PAUL	5/1/1977	AIR ROTARY	SCHUYLKILL	40.82944	-76.05389	142	OPEN HOLE	18	45	DOMESTIC
31683	PaDER	1/1/1974	OTHER/UNKNOWN	SCHUYLKILL	40.82944	-76.14944	385	OPEN HOLE		358	UNUSED
31684	PHILA PREADING RAILR		CABLE TOOL	SCHUYLKILL	40.83139	-76.04417	84	OPEN HOLE	15		DOMESTIC
31685	STISOWAIN, LEWIS	8/1/1967	AIR ROTARY	SCHUYLKILL	40.83389	-75.99278	170	OPEN HOLE	18	100	DOMESTIC
31686	SHENANDOAH WATER CO.		CABLE TOOL	SCHUYLKILL	40.83500	-76.19472	510	OPEN HOLE	400		PUBLIC SUPPLY
31687	SHENANDOAH WATER CO.		CABLE TOOL	SCHUYLKILL	40.83639	-76.19278	560	OPEN HOLE	65		PUBLIC SUPPLY
31688	RARICK, EDWARD	5/1/1975	AIR ROTARY	SCHUYLKILL	40.83778	-75.99444	200	OPEN HOLE	20	15	DOMESTIC
31689	PERLA JOHN		DUG	SCHUYLKILL	40.83889	-76.09972	32.3	WALLED		26.6	UNUSED
31690	CARBONITE FILTER CORP	9/27/1982	AIR ROTARY	SCHUYLKILL	40.83944	-76.07417	600	OPEN HOLE	125	60	INDUSTRIAL
31691	WYO VALLEY WATER CO		CABLE TOOL	SCHUYLKILL	40.84056	-76.05889	800	OPEN HOLE	75		UNUSED
31692	WYO VALLEY WATER CO		CABLE TOOL	SCHUYLKILL	40.84056	-76.07139	500	OPEN HOLE	125		PUBLIC SUPPLY
31693	WYO. VALLEY WATER CO	1/1/1910	CABLE TOOL	SCHUYLKILL	40.84194	-76.11306	352	OPEN HOLE	125		PUBLIC SUPPLY
31694	STEIDLE, K.	9/27/1979	OTHER/UNKNOWN	SCHUYLKILL	40.84333	-76.24917	122	OPEN HOLE	50	8	DOMESTIC
31695	OLEXIS, GEO	1/1/1967	CABLE TOOL	SCHUYLKILL	40.84444	-76.03944	328	OPEN HOLE	12	60	DOMESTIC
31696	WYO VALLEY WATER CO		CABLE TOOL	SCHUYLKILL	40.84472	-76.10028	500	OPEN HOLE	5		PUBLIC SUPPLY
31697	CAMPANICKI J.	9/25/1979	OTHER/UNKNOWN	SCHUYLKILL	40.84639	-76.24778	202	OPEN HOLE	20	10	DOMESTIC
31698	DILLMAN, J.	9/26/1979	OTHER/UNKNOWN	SCHUYLKILL	40.84694	-76.24694	202	OPEN HOLE		34	DOMESTIC
31699	SEMANCHYK, T.	9/28/1979	OTHER/UNKNOWN	SCHUYLKILL	40.84944	-76.24917	122	OPEN HOLE	40	4	DOMESTIC
31700		1/1/1921	CABLE TOOL	SCHUYLKILL	40.85083	-76.20639	55	OPEN HOLE			DOMESTIC
31701	GARBER H	1/1/1929	CABLE TOOL	SCHUYLKILL	40.85167	-76.04000	100	OPEN HOLE	20		DOMESTIC
31702	TROPOVITCH		CABLE TOOL	SCHUYLKILL	40.85306	-76.02333	112	OPEN HOLE	10	80.78049	DOMESTIC
31703	RINGTOWN BOROUGH	1/1/1985	OTHER/UNKNOWN	SCHUYLKILL	40.85417	-76.23806	400	UNKNOWN			PUBLIC SUPPLY
31704	POWELL, JOHN	9/1/1966	AIR ROTARY	SCHUYLKILL	40.85556	-75.99917	112	OPEN HOLE	15	46	DOMESTIC
31705	GILBERT J		CABLE TOOL	SCHUYLKILL	40.85778	-76.19694	121	OPEN HOLE			DOMESTIC
31706	DR. RHODES		CABLE TOOL	SCHUYLKILL	40.85889	-76.22972	60	OPEN HOLE	10	32.14286	DOMESTIC

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Table 2.3-33 {Groundwater Wells Located within a 25 Mile (40-km) Radius of BBNPP (Listed in Pennsylvania Groundwater Information System)}

PA WELL ID	OWNER	DATE DRILLED	DRILLING METHOD	COUNTY	LATITUDE	LONGITUDE	WELL DEPTH (ft bgs)	WELL FINISH	WELL YIELD (gpm)	STATIC WATER LEVEL (ft bgs)	WATER USE
31707	RINGTOWN HOTEL		CABLE TOOL	SCHUYLKILL	40.85944	-76.23000	190	OPEN HOLE	10		DOMESTIC
31708	SEKULA, J.	9/30/1977	OTHER/UNKNOWN	SCHUYLKILL	40.85972	-76.16944	162	OPEN HOLE	25	10	DOMESTIC
31709	KUNCHICK JOHN		CABLE TOOL	SCHUYLKILL	40.86667	-76.19611	90	OPEN HOLE			DOMESTIC
31710	FERGUSON	1/1/1928	CABLE TOOL	SCHUYLKILL	40.86667	-76.23833	410	OPEN HOLE	30		DOMESTIC
31711	ADAMS, ROBERT M	11/1/1967	AIR ROTARY	SCHUYLKILL	40.86889	-75.97472	230	OPEN HOLE	12	100	DOMESTIC
31712	BROCIOUS, D.	11/6/1979	OTHER/UNKNOWN	SCHUYLKILL	40.86972	-76.15972	402	OPEN HOLE	2	200	DOMESTIC
31713	SHEN. BORO WATER CO	1/1/1904	CABLE TOOL	SCHUYLKILL	40.87250	-76.12944	995	OPEN HOLE	200		PUBLIC SUPPLY
31714				SCHUYLKILL	40.87333	-76.00472					INDUSTRIAL
31715	DRUMHELLER GEORGE		CABLE TOOL	SCHUYLKILL	40.88444	-76.10639	70	OPEN HOLE	710	35	DOMESTIC
31716	LORAH GEORGE		CABLE TOOL	SCHUYLKILL	40.88833	-76.11444	100	OPEN HOLE	7		DOMESTIC
31717	LORAH, EARL	11/1/1975	AIR ROTARY	SCHUYLKILL	40.88917	-76.11083	182	OPEN HOLE	6	45	DOMESTIC
31718	RHOADES , WAYNE	6/27/1979	AIR ROTARY	SCHUYLKILL	40.89139	-76.23417	200	OPEN HOLE	8		DOMESTIC
31719	GIRARD ESTATE	1/1/1950	CABLE TOOL	SCHUYLKILL	40.89278	-76.08611	966	OPEN HOLE			UNUSED
31720	HONEYBROOK WATER CO.		OTHER/UNKNOWN	SCHUYLKILL	40.89417	-76.02639	961	OPEN HOLE	250		PUBLIC SUPPLY
31721	LORAH OSCAR	1/1/1890	CABLE TOOL	SCHUYLKILL	40.89472	-76.11694	60	OPEN HOLE			
31722	GULASH , T	9/1/1978	AIR ROTARY	SCHUYLKILL	40.89583	-76.12083	220	OPEN HOLE	25	25	DOMESTIC
31723	AMER ENGIGIO		CABLE TOOL	SCHUYLKILL	40.89667	-76.11889	75	OPEN HOLE			DOMESTIC
31724				SCHUYLKILL	40.89778	-76.06639					UNUSED
31725				SCHUYLKILL	40.89778	-76.06750					UNUSED
31726	HONEYBROOK WATER CO		CABLE TOOL	SCHUYLKILL	40.89806	-76.00556	1010	OPEN HOLE			PUBLIC SUPPLY
31727	GAYDOS MICHAEL		CABLE TOOL	SCHUYLKILL	40.89806	-76.11611	59.9	OPEN HOLE			DOMESTIC
31728	HONEYBROOK WATER CO.		OTHER/UNKNOWN	SCHUYLKILL	40.89833	-76.00194	375	OPEN HOLE	600		PUBLIC SUPPLY
31729	HONEYBROOK WATER CO.		OTHER/UNKNOWN	SCHUYLKILL	40.89833	-76.00222	374	OPEN HOLE	500		PUBLIC SUPPLY
31730	CALOVINIC WILLIAM	1/1/1920	CABLE TOOL	SCHUYLKILL	40.89972	-76.11833	86	OPEN HOLE			DOMESTIC
31731	TERKASKY	1/1/1920	CABLE TOOL	SCHUYLKILL	40.89972	-76.12167	41.2	OPEN HOLE			DOMESTIC
31732	FUSS		CABLE TOOL	SCHUYLKILL	40.90083	-76.23389	62	OPEN HOLE	10	28.875	DOMESTIC
31733	ONEIDA WATER CO		CABLE TOOL	SCHUYLKILL	40.90139	-76.12222	700	OPEN HOLE	15		PUBLIC SUPPLY
31734	ONEIDA WATER CO		CABLE TOOL	SCHUYLKILL	40.90278	-76.16500	700	OPEN HOLE	10		UNUSED
31735	COVE SKI VILLAGE	1/1/1973	REVERSE ROTARY	SCHUYLKILL	40.90472	-76.15667	413	UNKNOWN	125	58	RECREATION
31736	ONEIDA WATER CO	1/1/1892	CABLE TOOL	SCHUYLKILL	40.90500	-76.12583	800	OPEN HOLE		15	PUBLIC SUPPLY
31737	COVE SKI VILLAGE	1/1/1973	REVERSE ROTARY	SCHUYLKILL	40.90500	-76.15611	397	UNKNOWN	100	88	RECREATION
31738	WYO VALLEY WATER CO		CABLE TOOL	SCHUYLKILL	40.90722	-76.12361	700	OPEN HOLE	10		PUBLIC SUPPLY

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Table 2.3-33 {Groundwater Wells Located within a 25 Mile (40-km) Radius of BBNPP (Listed in Pennsylvania Groundwater Information System)}

PA WELL ID	OWNER	DATE DRILLED	DRILLING METHOD	COUNTY	LATITUDE	LONGITUDE	WELL DEPTH (ft bgs)	WELL FINISH	WELL YIELD (gpm)	STATIC WATER LEVEL (ft bgs)	WATER USE
31739	ANDREWS , J	11/1/1978	AIR ROTARY	SCHUYLKILL	40.90778	-76.12000	120	OPEN HOLE	25		DOMESTIC
31740	FELLIN , A	11/1/1978	AIR ROTARY	SCHUYLKILL	40.91028	-76.11333	120	OPEN HOLE	25		DOMESTIC
31741				SCHUYLKILL	40.91833	-76.14722					UNUSED
31742				SCHUYLKILL	40.92556	-76.12361					UNUSED
31743	IMMACULATE HEART ACA	1/1/1925	CABLE TOOL	SCHUYLKILL	40.93500	-76.30194	620	OPEN HOLE	45	105	DOMESTIC
31744	NATIONAL UTILITYINC	1/1/1964	OTHER/UNKNOWN	SCHUYLKILL	40.93750	-76.17167	193	UNKNOWN	55		PUBLIC SUPPLY
31745	NATIONAL UTILITYINC	8/1/1962	OTHER/UNKNOWN	SCHUYLKILL	40.93944	-76.17306	235	UNKNOWN	13		PUBLIC SUPPLY
31746	NUREMBURG WATER CO		OTHER/UNKNOWN	SCHUYLKILL	40.94056	-76.17417	605	OPEN HOLE	40		PUBLIC SUPPLY
31747	FRACKVILLE GAS CO.	1/1/1928	CABLE TOOL	SCHUYLKILL	40.95806	-76.31278	120	OPEN HOLE	75		INDUSTRIAL
31814	PADER		OTHER/UNKNOWN	SCHUYLKILL	40.80028	-76.20944	988	UNKNOWN		44	INDUSTRIAL
31821				SCHUYLKILL	40.91083	-76.06639					UNUSED
31823			OTHER/UNKNOWN	SCHUYLKILL	40.80139	-76.12111	200	UNKNOWN			
31824			OTHER/UNKNOWN	SCHUYLKILL	40.81056	-76.15333	188	UNKNOWN			
31825			OTHER/UNKNOWN	SCHUYLKILL	40.81556	-76.12639	148	UNKNOWN			
31826				SCHUYLKILL	40.82639	-76.13889					
31830	AIR PRODUCTS & CHEMICALS	3/22/1972	AIR ROTARY	SCHUYLKILL	40.83528	-76.03583	310	OPEN HOLE			INDUSTRIAL
31834	NORTHEASTERN POWER CO	7/31/1987	AIR ROTARY	SCHUYLKILL	40.86583	-76.01083	150	OPEN HOLE	16		INDUSTRIAL
31904	INAMA, HENRY	6/1/1976	CABLE TOOL	SCHUYLKILL	40.75167	-76.03444	120	OPEN HOLE	20	45	DOMESTIC
31905	FETTEROFF, L.	7/1/1978	OTHER/UNKNOWN	SCHUYLKILL	40.75250	-76.34028	100	OPEN HOLE	25	20	DOMESTIC
31907	EDMONDS, T	4/24/1979	AIR ROTARY	SCHUYLKILL	40.75472	-76.05778	142	OPEN HOLE	40	66.66667	DOMESTIC
31908	BARAN, JOSEPH	8/18/1981	AIR ROTARY	SCHUYLKILL	40.76806	-76.32667	422	OPEN HOLE		19.5	DOMESTIC
31909	SCHUYLKILL MUN. AUTH.	6/1/1973	AIR ROTARY	SCHUYLKILL	40.76972	-76.19250	620	OPEN HOLE	122		PUBLIC SUPPLY
31910	SCHUYLKILL MUN. AUTH.	11/1/1980	AIR ROTARY	SCHUYLKILL	40.77083	-76.22806	400	OPEN HOLE		30	UNUSED
31911	JACK RICH INC.	12/8/1980	OTHER/UNKNOWN	SCHUYLKILL	40.77667	-76.22556	162	OPEN HOLE	20	10	INDUSTRIAL
31912	TITANIUM WIRE CORP.	1/1/1969	AIR ROTARY	SCHUYLKILL	40.77972	-76.21528	158	OPEN HOLE	89	15	DOMESTIC
31913	FIORELLI, JOSEPH	1/1/1964	CABLE TOOL	SCHUYLKILL	40.78139	-76.20667	67	OPEN HOLE		34	DOMESTIC
31914	U.S. GEOLOGICAL SURV	6/25/1975	AIR ROTARY	SCHUYLKILL	40.78556	-76.11861	242	OPEN HOLE	3.9	53.08	UNUSED
31915	MOREA CITIZENS WATER CO.		CABLE TOOL	SCHUYLKILL	40.78778	-76.18194	383	OPEN HOLE	250		PUBLIC SUPPLY
31916	CHAKEN, STEVEN	1/1/1961	CABLE TOOL	SCHUYLKILL	40.79222	-76.08194	118	OPEN HOLE			DOMESTIC

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Table 2.3-33 {Groundwater Wells Located within a 25 Mile (40-km) Radius of BBNPP (Listed in Pennsylvania Groundwater Information System)}

PA WELL ID	OWNER	DATE DRILLED	DRILLING METHOD	COUNTY	LATITUDE	LONGITUDE	WELL DEPTH (ft bgs)	WELL FINISH	WELL YIELD (gpm)	STATIC WATER LEVEL (ft bgs)	WATER USE
31917	WILLIAMS, PAUL	1/1/1954	CABLE TOOL	SCHUYLKILL	40.79944	-76.14806	127	OPEN HOLE	10	15	DOMESTIC
31918	PA. DEPT. OF TRANS.	8/19/1971	AIR ROTARY	SCHUYLKILL	40.81778	-76.08917	580	OPEN HOLE		125	UNUSED
31919	PA. DEPT. OF TRANS.	6/14/1972	AIR ROTARY	SCHUYLKILL	40.81833	-76.08778	400	OPEN HOLE	20		UNUSED
31920	BEHLER, GEORGE	1/1/1928	CABLE TOOL	SCHUYLKILL	40.82222	-75.99167	104	OPEN HOLE	25		DOMESTIC
31921	PA. DEPT. OF TRANS.		OTHER/UNKNOWN	SCHUYLKILL	40.82250	-76.08444	400	OPEN HOLE	14	25	UNUSED
31922	BRANDONVLE FIRE CO.	1/23/1981	OTHER/UNKNOWN	SCHUYLKILL	40.85556	-76.16667	142	OPEN HOLE	20	23	PUBLIC SUPPLY
31923	ZUKOVICH, EDWARD	1/1/1976	CABLE TOOL	SCHUYLKILL	40.86278	-75.98889	128	OPEN HOLE		33.4	DOMESTIC
32071	BENTON AIR FORCE	8/27/1959	CABLE TOOL	SULLIVAN	41.36500	-76.31889	310	OPEN HOLE		102	PUBLIC SUPPLY
32076	BENTON AIR FORCE BAS	1/1/1950	CABLE TOOL	SULLIVAN	41.35833	-76.29444	301	OPEN HOLE	6		PUBLIC SUPPLY
32077	BENTON AIR FORCE BAS	1/1/1956	CABLE TOOL	SULLIVAN	41.35944	-76.29278	500	OPEN HOLE	350	170	PUBLIC SUPPLY
32454	O MALLEY, C.	11/12/1979	OTHER/UNKNOWN	SUSQUEHANNA	41.01278	-75.89917	120	OPEN HOLE	15		DOMESTIC
34085	NOXEN WATER CO.		AIR ROTARY	WYOMING	41.41694	-76.06250	150	OPEN HOLE	40		PUBLIC SUPPLY
34101	BUCKLEY, JACK	1/1/1977	AIR ROTARY	WYOMING	41.40694	-76.02917	117	UNKNOWN	13		DOMESTIC
34102		1/1/1891	CABLE TOOL	WYOMING	41.42583	-76.05889	385	OPEN HOLE	300	40	INDUSTRIAL
34112	KUNKLE, J.	3/5/1980	AIR ROTARY	WYOMING	41.40167	-75.99111	265	UNKNOWN	18		DOMESTIC
34114	JOHNSON, B.	4/30/1976	AIR ROTARY	WYOMING	41.41472	-75.99917	430	UNKNOWN	25	225	DOMESTIC
34115	MAHANEY, D.	11/28/1976	OTHER/UNKNOWN	WYOMING	41.41639	-75.98806	160	UNKNOWN	15	30	DOMESTIC
46741	LANSFORD-COALDALE JWA	1/1/1965	CABLE TOOL	CARBON	40.84500	-75.89333	600	OPEN HOLE	360	4.43	PUBLIC SUPPLY
46742	LANSFORD-COALDALE JWA	1/1/1965	CABLE TOOL	CARBON	40.84556	-75.89278	600	OPEN HOLE	250	8.29	PUBLIC SUPPLY
46743	LANSFORD-COALDALE JWA	12/1/1994	AIR ROTARY	CARBON	40.84806	-75.90306	380	OPEN HOLE			PUBLIC SUPPLY
46744	LANSFORD-COALDALE JWA	12/1/1994	AIR ROTARY	CARBON	40.84917	-75.89972	385	OPEN HOLE	180	0	PUBLIC SUPPLY
46745	LANSFORD-COALDALE JWA	12/1/1994	AIR ROTARY	CARBON	40.85000	-75.89694	350	OPEN HOLE	90	4.98	PUBLIC SUPPLY
46746	LANSFORD-COALDALE JWA	12/1/1994	AIR ROTARY	CARBON	40.85028	-75.89111	530	OPEN HOLE	265	17.4	PUBLIC SUPPLY
46747	LANSFORD-COALDALE JWA	12/1/1994	AIR ROTARY	CARBON	40.85028	-75.89333	400	OPEN HOLE	105	4.98	PUBLIC SUPPLY
46748	LANSFORD-COALDALE JWA	12/1/1994	AIR ROTARY	CARBON	40.85028	-75.89944	560	OPEN HOLE	40	20.84	PUBLIC SUPPLY

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PA WELL ID	OWNER	DATE DRILLED	DRILLING METHOD	COUNTY	LATITUDE	LONGITUDE	WELL DEPTH (ft bgs)	WELL FINISH	WELL YIELD (gpm)	STATIC WATER LEVEL (ft bgs)	WATER USE
46749	LANSFORD-COALDALE JWA	12/1/1994	AIR ROTARY	CARBON	40.85111	-75.89639	550	OPEN HOLE	40	8.29	PUBLIC SUPPLY
46750	LANSFORD-COALDALE JWA	12/1/1994	AIR ROTARY	CARBON	40.85139	-75.89361	515	OPEN HOLE	75	4.33	PUBLIC SUPPLY
46751	LANSFORD-COALDALE JWA	12/1/1994	AIR ROTARY	CARBON	40.85167	-75.88278	650	OPEN HOLE	75	31.86	PUBLIC SUPPLY
46753	LANSFORD-COALDALE JWA		CABLE TOOL	CARBON	40.85944	-75.89750		OPEN HOLE			PUBLIC SUPPLY
47845	FREELAND BOROUGH	1/1/1989		LUZERNE	41.02417	-75.90639	600	OPEN HOLE			PUBLIC SUPPLY
47846	FREELAND BOROUGH	2/10/1992	AIR ROTARY	LUZERNE	41.03278	-75.90444	397	OPEN HOLE	10		PUBLIC SUPPLY
47847	MAPLE LANE ESTATES MHP			LUZERNE	41.03861	-75.83861		OPEN HOLE			PUBLIC SUPPLY
47848	MAPLE LANE ESTATES MHP			LUZERNE	41.03861	-75.83917		OPEN HOLE			PUBLIC SUPPLY
47849	MAPLE LANE ESTATES MHP			LUZERNE	41.03861	-75.83972		OPEN HOLE			PUBLIC SUPPLY
48266	NORTHEASTERN POWER CO	8/11/1987	AIR ROTARY	SCHUYLKILL	40.86444	-76.01139	36	OPEN HOLE	24		INDUSTRIAL
48267	NORTHEASTERN POWER CO	9/14/1987	AIR ROTARY	SCHUYLKILL	40.86444	-76.01194	31	OPEN HOLE	22	3	INDUSTRIAL
48268	NORTHEASTERN POWER CO	9/18/1987	AIR ROTARY	SCHUYLKILL	40.86444	-76.01222	30	OPEN HOLE	12	4	INDUSTRIAL
48491				SCHUYLKILL	40.74528	-76.06417					
48492				SCHUYLKILL	40.77611	-76.37194					UNUSED
48493				SCHUYLKILL	40.91167	-76.06750					
48494				CARBON	40.97806	-75.81083					
48495				LUZERNE	41.00528	-75.96056					
52710	WADDING R	9/30/1981		ARMSTRONG	40.86694	-76.23556	90		15		DOMESTIC
66661	BAGGERLY J	1/29/1981		BRADFORD	40.99722	-76.58694	110	OPEN HOLE	9	41	DOMESTIC
82640	GARFIELD M	10/1/1983		CARBON	40.86861	-75.79111	99	OPEN HOLE	20	40	DOMESTIC
82644	GARDINER P	11/1/1980		CARBON	40.82667	-75.84694	125	OPEN HOLE	20	30	DOMESTIC
82649	FICKER J	1/1/1982		CARBON	40.86861	-75.79111	198	OPEN HOLE	50	35	DOMESTIC
82651	AMETEK	3/2/1984		CARBON	40.86083	-75.84083	550	OPEN HOLE	95	15	INDUSTRIAL

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PA WELL ID	OWNER	DATE DRILLED	DRILLING METHOD	COUNTY	LATITUDE	LONGITUDE	WELL DEPTH (ft bgs)	WELL FINISH	WELL YIELD (gpm)	STATIC WATER LEVEL (ft bgs)	WATER USE
82653	DOUGHERTY F	9/8/1983		CARBON	40.82556	-75.85056	302	OPEN HOLE	8	50	DOMESTIC
82654	HUPKES M	4/1/1983		CARBON	40.81639	-75.86639	204	OPEN HOLE	4	50	DOMESTIC
82719	AMETEK			CARBON	40.86167	-75.82167	600	OPEN HOLE	50	5	INDUSTRIAL
82720	HERTWECK-KIJAK			CARBON	40.83889	-75.91000	120	OPEN HOLE	20		DOMESTIC
82726	LANZOS JOSEPH	1/1/1968		CARBON	40.82194	-75.85778	90	OPEN HOLE	20	40	DOMESTIC
82727	PETRO JR JOHN	1/1/1969		CARBON	40.82000	-75.86111	110	OPEN HOLE	30	50	DOMESTIC
82761	KNEPPER A	6/1/1983		CARBON	40.94444	-75.83556	240	OPEN HOLE	25	38	DOMESTIC
82762	WEATHERLY BORO	11/12/1981		CARBON	40.94222	-75.83000	400	OPEN HOLE	60		PUBLIC SUPPLY
82763	WEATHERLY WATER AUTH	9/1/1981		CARBON	40.94167	-75.82972	200	OPEN HOLE	190		PUBLIC SUPPLY
82767	MCADOO IND PARK	5/1/1988		CARBON	40.90361	-75.97944	600	OPEN HOLE	31	80	INDUSTRIAL
82916	KIEPER CLARK			CARBON	41.06167	-75.76944	225	OPEN HOLE	9		DOMESTIC
82917	ACHE C R			CARBON	41.06444	-75.76000	144	OPEN HOLE	30		DOMESTIC
82918	H R TRUCK STOP			CARBON	41.06278	-75.74667	343	OPEN HOLE	25	5	DOMESTIC
82919	SHERMAN JOE			CARBON	41.06250	-75.76889	175	OPEN HOLE	22	18	DOMESTIC
82920	DEAL M			CARBON	41.06250	-75.76889	325	OPEN HOLE	10	65	DOMESTIC
82921	CARTER E			CARBON	41.06083	-75.76889	240	OPEN HOLE	25	35	DOMESTIC
83139	ZIMINSKY A	2/1/1984		CARBON	41.04056	-75.75806	105	OPEN HOLE	20	30	DOMESTIC
83142	MCDONALDS	12/1/1981		CARBON	41.07167	-75.70194	237	OPEN HOLE	350		PUBLIC SUPPLY
83143	LIBERTY HOMES	8/12/1981		CARBON	41.07806	-75.70222	200	OPEN HOLE	25	60	DOMESTIC
83144	LIBERTY HOMES	5/1/1983		CARBON	41.08028	-75.69250	125	OPEN HOLE	150	4	DOMESTIC
83146	VIVALDO F	8/1/1983		CARBON	41.08306	-75.69972	180	OPEN HOLE	20	50	DOMESTIC
83168	FRATTA	1/1/1990		CARBON	41.07250	-75.69194	275	OPEN HOLE	10	45	DOMESTIC
83169	GRAVES	1/1/1990		CARBON	41.07222	-75.69167	150	OPEN HOLE	20	50	DOMESTIC
83177	BARTO J	3/1/1990		CARBON	41.07389	-75.69556	360	OPEN HOLE	30	50	
83178	POPPLE	11/1/1988		CARBON	41.07083	-75.70417	225	OPEN HOLE	60		PUBLIC SUPPLY
83201	PARKER D	11/1/1986		CARBON	41.06750	-75.72861	300	OPEN HOLE	8	30	DOMESTIC
83202	PUK	4/1/1987		CARBON	41.04083	-75.75750	150	OPEN HOLE	50	25	DOMESTIC
83203	LACHETTE J	7/1/1987		CARBON	41.06639	-75.73444	200	OPEN HOLE	15		DOMESTIC
83212	OROSS E	6/1/1986		CARBON	41.06611	-75.75806	325	OPEN HOLE	15	58	DOMESTIC
83456	MCFADDER JAY			CARBON	41.08000	-75.69500	106	OPEN HOLE	20	40	DOMESTIC
83457	SABO BLDG CONTR			CARBON	41.08000	-75.69500	86	OPEN HOLE	20	30	DOMESTIC
83458	SABO BLDG CONTR			CARBON	41.08000	-75.69500	90	OPEN HOLE	20	40	DOMESTIC

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83459	REPHOLZ FRANK			CARBON	41.08000	-75.69500	100	OPEN HOLE	20	40	DOMESTIC
83460	CORL RUDY			CARBON	41.08000	-75.69500	110	OPEN HOLE	22	25	DOMESTIC
83461	ZARTMAN ELWOOD			CARBON	41.08000	-75.69500	120	OPEN HOLE	7	20	DOMESTIC
83464	MILLER MR W	1/1/1967		CARBON	41.06250	-75.80000	112	OPEN HOLE	30	20	DOMESTIC
83482	FOODERGONG	1/1/1967		CARBON	41.07194	-75.69917	383	OPEN HOLE	25	12	DOMESTIC
83486	SABO BUILDERS			CARBON	41.08111	-75.69944	126	OPEN HOLE	20	30	DOMESTIC
83487	SABO CONST			CARBON	41.08111	-75.69944	99	OPEN HOLE	20	30	DOMESTIC
83488	HOFMANIS W			CARBON	41.08111	-75.69944	124	OPEN HOLE	20	65	DOMESTIC
83489	POPIELARSKI JOE			CARBON	41.08111	-75.69944	170	OPEN HOLE	18		DOMESTIC
83490	VIVALDO FRED			CARBON	41.08111	-75.69944	260	OPEN HOLE	18		DOMESTIC
83491	RAGONE MARIO			CARBON	41.08111	-75.69944	200	OPEN HOLE	25	30	DOMESTIC
83492	DONATO ANTONIO			CARBON	41.08111	-75.69944	110	OPEN HOLE	22	30	DOMESTIC
83493	CALABRETTA ROSS			CARBON	41.08111	-75.69944	230	OPEN HOLE	30	75	DOMESTIC
83494	SABO BLDG			CARBON	41.08111	-75.69944	120	OPEN HOLE	10	25	DOMESTIC
83495		1/1/1967		CARBON	41.07000	-75.70806	343	OPEN HOLE	60		DOMESTIC
83516	SUDO WALTER			CARBON	41.06028	-75.76972	500	OPEN HOLE	90		INDUSTRIAL
83518	FARRELL JERRY			CARBON	41.06972	-75.76472	230	OPEN HOLE	20		DOMESTIC
83523	MINHEEL CHARLES	1/1/1968		CARBON	41.06694	-75.73917	220		15	35	DOMESTIC
83524	GALLO DAN			CARBON	41.08278	-75.69806	375	OPEN HOLE	6	45	DOMESTIC
83525	DAMIANI N			CARBON	41.08306	-75.69417	220	OPEN HOLE	25	40	DOMESTIC
83526	DE ALFONSO A			CARBON	41.08167	-75.69389	260	OPEN HOLE	25	20	DOMESTIC
83527	SMOLKO M			CARBON	41.08056	-75.69500	140	OPEN HOLE	25	20	DOMESTIC
83528	DONATO A			CARBON	41.08028	-75.69528	240	OPEN HOLE	25	30	DOMESTIC
83529	VIVALDO F			CARBON	41.07972	-75.69444	120	OPEN HOLE	25	20	DOMESTIC
83530	SABO BLDG CONTR			CARBON	41.08083	-75.69861	167	OPEN HOLE	15	60	DOMESTIC
83531	FRYE JOSEPH			CARBON	41.08000	-75.69972	325	OPEN HOLE	10	78	DOMESTIC
83559	HOLIDAY INN			CARBON	41.06917	-75.70444	780	OPEN HOLE	12		INDUSTRIAL
83560	POWLEY K			CARBON	41.06917	-75.72250	225	OPEN HOLE	18		DOMESTIC
83568	WHITE WATER RAFTING	5/1/1982		CARBON	40.98417	-75.78556	569	OPEN HOLE	200	43	DOMESTIC
83569	FADU E	2/1/1990		CARBON	40.95861	-75.82861	200	OPEN HOLE	20	30	DOMESTIC
83570	VASHANSKY R	2/1/1989		CARBON	40.98000	-75.81194	160	OPEN HOLE	20	30	DOMESTIC
83571		5/1/1988		CARBON	40.98056	-75.81333	420	OPEN HOLE	1		DOMESTIC

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Table 2.3-33 {Groundwater Wells Located within a 25 Mile (40-km) Radius of BBNPP (Listed in Pennsylvania Groundwater Information System)}

PA WELL ID	OWNER	DATE DRILLED	DRILLING METHOD	COUNTY	LATITUDE	LONGITUDE	WELL DEPTH (ft bgs)	WELL FINISH	WELL YIELD (gpm)	STATIC WATER LEVEL (ft bgs)	WATER USE
83580	MOSER DAVID			CARBON	40.98167	-75.80333	140	OPEN HOLE	25	40	DOMESTIC
83581	TULAY J			CARBON	40.97889	-75.81861	140	OPEN HOLE	25	25	DOMESTIC
83582	HARTZ P	1/1/1984		CARBON	40.94000	-75.80611	400	OPEN HOLE			DOMESTIC
83583	CURTIS P	9/1/1982		CARBON	40.96806	-75.78306	121	OPEN HOLE	16	60	DOMESTIC
83584	MILLER	9/1/1986		CARBON	40.96333	-75.78361	240	OPEN HOLE	10	80	DOMESTIC
83585	MILLER J	1/1/1989		CARBON	40.96306	-75.78389	160	OPEN HOLE	30	20	DOMESTIC
83586	GRAHAM	6/1/1988		CARBON	40.95639	-75.80056	200	OPEN HOLE	10		DOMESTIC
83598	RAYNOCK MR F	1/1/1968		CARBON	40.96639	-75.76000	95	OPEN HOLE	20	28	DOMESTIC
83599	DOMONICK CELEST	1/1/1966		CARBON	40.94306	-75.82917	110	OPEN HOLE	15	15	DOMESTIC
83600	GRAFF LAWRENCE	1/1/1967		CARBON	40.98833	-75.76333	105	OPEN HOLE	30	20	DOMESTIC
83601	NELSON HANS			CARBON	40.94833	-75.81000	170	OPEN HOLE	22	25	DOMESTIC
83602	FAIRCHILDS R			CARBON	40.98833	-75.75500	85		30	20	DOMESTIC
83603	SCHNIDER GEORGE			CARBON	40.98167	-75.76861	110	OPEN HOLE	35	30	DOMESTIC
83604	EXXON USA			CARBON	40.94611	-75.74833	1350	OPEN HOLE			
83605	CONCH EDWARD C			CARBON	40.99556	-75.76167	175	OPEN HOLE	15	18	DOMESTIC
83606				CARBON	40.96167	-75.79444	142	OPEN HOLE	20	32	DOMESTIC
83917	KARPISZ WALTER			CARBON	40.86694	-75.79389	115	OPEN HOLE		50	DOMESTIC
83918	GRECO JOSEPH			CARBON	40.86694	-75.79389	115	OPEN HOLE	30	50	DOMESTIC
83944	LOGAN WILLIAM			CARBON	40.86722	-75.81528	400	OPEN HOLE	28	46	DOMESTIC
83946	MAHASKA GUS			CARBON	40.86417	-75.82639	125	OPEN HOLE	14	51	DOMESTIC
84018	BALBET R	8/1/1989		CARBON	40.86889	-75.79056	200	OPEN HOLE	18	45	DOMESTIC
84019	KOVAK			CARBON	40.87667	-75.83611	90	OPEN HOLE			DOMESTIC
84020	KOVAK			CARBON	40.87389	-75.82889	100	OPEN HOLE			DOMESTIC
84021	KOVAK			CARBON	40.86833	-75.82750	110	OPEN HOLE			DOMESTIC
84022	KOVAK			CARBON	40.86944	-75.82083	120	OPEN HOLE			DOMESTIC
84023	KOVAK			CARBON	40.87472	-75.83417	125	OPEN HOLE			DOMESTIC
84024	KOVAK			CARBON	40.86944	-75.87583	125	OPEN HOLE			DOMESTIC
84025	KOVAK			CARBON	40.86111	-75.88444	150	OPEN HOLE			DOMESTIC
84026	KOVAK			CARBON	40.85722	-75.87083	125	OPEN HOLE			DOMESTIC
84027	KOVAK			CARBON	40.85056	-75.88806	130	OPEN HOLE			DOMESTIC
84028	KOVAK			CARBON	40.85306	-75.87750	105	OPEN HOLE			DOMESTIC
84029	KOVAK			CARBON	40.86000	-75.89417	125	OPEN HOLE			DOMESTIC

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PA WELL ID	OWNER	DATE DRILLED	DRILLING METHOD	COUNTY	LATITUDE	LONGITUDE	WELL DEPTH (ft bgs)	WELL FINISH	WELL YIELD (gpm)	STATIC WATER LEVEL (ft bgs)	WATER USE
84033	CITRANO SAMUAL			CARBON	40.86361	-75.81000	90	OPEN HOLE	18		DOMESTIC
84034	MARADEO JOSEPH			CARBON	40.86667	-75.79806	70	OPEN HOLE	20	20	DOMESTIC
84035	COULLUGA SILL			CARBON	40.86778	-75.79222	130	OPEN HOLE		60	DOMESTIC
84036	TANE W			CARBON	40.86778	-75.79000	125	OPEN HOLE	10		DOMESTIC
84037	HAK H			CARBON	40.86722	-75.81833	100	OPEN HOLE	35	42	DOMESTIC
84038	GERHARD S	10/1/1980		CARBON	40.92139	-75.87611	200	OPEN HOLE	15	32	DOMESTIC
84039	SENCY J	8/1/1983		CARBON	40.89722	-75.93139	140	OPEN HOLE	20	40	DOMESTIC
84040	MURPHY N	11/1/1980		CARBON	40.91972	-75.85917	275	OPEN HOLE			DOMESTIC
84041	ABBEY F	11/1/1980		CARBON	40.92917	-75.84556	275	OPEN HOLE	30	48	DOMESTIC
84042	HUMENICK D	7/1/1981		CARBON	40.92111	-75.86139	160	OPEN HOLE	30	12	DOMESTIC
84043	SURAUICZ L	9/1/1989		CARBON	40.89667	-75.89222	475	OPEN HOLE	3	40	DOMESTIC
84044	MAKES B	4/1/1990		CARBON	40.89361	-75.89528	175	OPEN HOLE	15	45	DOMESTIC
84045		4/1/1988		CARBON	40.92806	-75.84028	250	OPEN HOLE	8	40	DOMESTIC
84046	MALESKI M	4/1/1986		CARBON	40.92583	-75.84833	201	OPEN HOLE	10	35	DOMESTIC
84047	KEPPING H	10/1/1989		CARBON	40.92167	-75.88389	160	OPEN HOLE	70	18	DOMESTIC
84048	CRAWFORD	11/1/1986		CARBON	40.88778	-75.91972	160	OPEN HOLE	25	26	DOMESTIC
84073	VIC'S TAVERN	1/1/1966		CARBON	40.91583	-75.86750	263	OPEN HOLE	10	100	DOMESTIC
84074	RIDGE RUNNER	1/1/1967		CARBON	40.94000	-75.84389	208	OPEN HOLE	10	100	DOMESTIC
84075	MATECHECK JOS			CARBON	40.92167	-75.86167	185	OPEN HOLE	7	58	DOMESTIC
84076	HINKLE ROOFING			CARBON	40.93417	-75.84333	189	OPEN HOLE	20	55	DOMESTIC
84077	SERFOSS GRANT			CARBON	40.90111	-75.91056	95	OPEN HOLE	35	15	DOMESTIC
84078	PETROLE JAMES			CARBON	40.89083	-75.91806	170	OPEN HOLE	30	20	DOMESTIC
84079	ZUMAR JOHN JR			CARBON	40.92917	-75.84611	425	OPEN HOLE	10	136	DOMESTIC
84080	ZUMAR JOHN			CARBON	40.93250	-75.84083	250	OPEN HOLE	10	80	DOMESTIC
84081	HOMINICK LEO			CARBON	40.92500	-75.86667	140	OPEN HOLE	30	20	INDUSTRIAL
84082	HALE JOE			CARBON	40.92611	-75.87389	185	OPEN HOLE	22	25	DOMESTIC
84083	WALKE J J	1/1/1966		CARBON	40.89583	-75.82972	182	OPEN HOLE	15	40	DOMESTIC
84084	RISDON			CARBON	40.89500	-75.89639	120	OPEN HOLE	18	14	DOMESTIC
84087	PUGH ROBERT			CARBON	40.88917	-75.92444	375	OPEN HOLE	12	110	DOMESTIC
84088	VOGEL KENNETH	1/1/1968		CARBON	40.93500	-75.84139	100	OPEN HOLE	30	35	
84089	TEE PATRICK			CARBON	40.92417	-75.86444	400	OPEN HOLE	7	60	DOMESTIC
84090	HARTRANFT ROBT			CARBON	40.92778	-75.85833	150	OPEN HOLE	15	73	DOMESTIC

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84091	MALESKI LOU			CARBON	40.92444	-75.84861	170	OPEN HOLE	22	50	DOMESTIC
84092	ODONELL JOSEPH			CARBON	40.89056	-75.91972	230	OPEN HOLE	20	40	DOMESTIC
84093	YASCONITCH GREG			CARBON	40.91972	-75.85889	150	OPEN HOLE	12	65	DOMESTIC
84094	OLOSKA LAWRENCE			CARBON	40.91806	-75.85833	400	OPEN HOLE	7	28	DOMESTIC
84095	JENIGAN			CARBON	40.89028	-75.91750	150	OPEN HOLE		6	DOMESTIC
84096	KNEPPER MABEL	1/1/1971		CARBON	40.92972	-75.84528	170	OPEN HOLE	25	28	DOMESTIC
84097	DOUGLAS J			CARBON	40.92583	-75.85222	375	OPEN HOLE	15	78	DOMESTIC
84098	FREED HOWARD			CARBON	40.91250	-75.87472	300	OPEN HOLE	25	80	DOMESTIC
84099	FREDERICK WM			CARBON	40.92694	-75.87417	150	OPEN HOLE	25	38	DOMESTIC
84100	DANANHOWER			CARBON	40.92722	-75.87583	160	OPEN HOLE	25	80	DOMESTIC
84101	MURPHY N			CARBON	40.89417	-75.89917	200	OPEN HOLE	15	89	DOMESTIC
84102	R&R HOMES			CARBON	40.88667	-75.92639	180	OPEN HOLE	25	25	DOMESTIC
84103	HARVILLA A			CARBON	40.89889	-75.94000	270	OPEN HOLE	9		DOMESTIC
84104	SENEY KEN			CARBON	40.89778	-75.94000	125	OPEN HOLE	30	40	DOMESTIC
84105	CHERNANSKY PETE			CARBON	40.88444	-75.93722	240	OPEN HOLE	20	40	DOMESTIC
85556	TIMSON MR	1/1/1968		CARBON	41.00694	-76.35472	110	OPEN HOLE	12	32	DOMESTIC
85776	SUMMIT HILL AUTH.	5/1/1983		CARBON	40.81861	-75.85944	400	OPEN HOLE	350		PUBLIC SUPPLY
85786	SHOBER J			CARBON	40.83944	-75.81750	103	OPEN HOLE	20	20	DOMESTIC
85788	ALLESCH J			CARBON	40.82389	-75.85222	125	OPEN HOLE	15	38	DOMESTIC
85789	BOYLE B			CARBON	40.82306	-75.85278	95	OPEN HOLE	20	30	DOMESTIC
85790	MILLER IRVIN			CARBON	40.82250	-75.85444	105	OPEN HOLE	20	35	DOMESTIC
85791	FOULK M			CARBON	40.82083	-75.85972	106	OPEN HOLE	20	30	DOMESTIC
85792	HORRAT J			CARBON	40.81972	-75.86111	100	OPEN HOLE	20	20	DOMESTIC
85793	KRUSLICKY P			CARBON	40.81528	-75.87333	97	OPEN HOLE	20	20	DOMESTIC
87250	STRAUB H W			DAUPHIN	40.92528	-76.44750	205	OPEN HOLE	6		DOMESTIC
92305	VAN HUSS DENNIS	1/1/1967		COLUMBIA	41.18889	-76.51639	30	OPEN HOLE	10	7	DOMESTIC
92306	CONSOL CIGAR CO			COLUMBIA	41.07833	-76.24111	284				INDUSTRIAL
92307	CONSOL CIGAR CO			COLUMBIA	41.06139	-76.24222	151				INDUSTRIAL
92308	BERWICK WATER C			COLUMBIA	41.05139	-76.25889	473		381		PUBLIC SUPPLY
92309	BERWICK WATER C			COLUMBIA	41.05444	-76.23167	160	OPEN HOLE	500		PUBLIC SUPPLY
92310	BERWICK WATER C			COLUMBIA	41.05417	-76.23222	90	OPEN HOLE	500		PUBLIC SUPPLY
92311	BERWICK WATER C			COLUMBIA	41.05389	-76.23278	87	OPEN HOLE	500		PUBLIC SUPPLY

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92312	ALLEY JOSEPH			COLUMBIA	41.05111	-76.26778	75	OPEN HOLE	10		DOMESTIC
92313	FREY MRS	1/1/1969		COLUMBIA	41.00083	-76.45417	100	OPEN HOLE	10		DOMESTIC
92314	KAWNEER CO INC	1/1/1966		COLUMBIA	41.00083	-76.45028	355	OPEN HOLE	20	30	DOMESTIC
92315	KAWNEE CO INC	1/1/1966		COLUMBIA	41.00083	-76.45028	415	OPEN HOLE	100	15	DOMESTIC
92316	KURIAN J	1/1/1982		COLUMBIA	40.95139	-76.31139	123	OPEN HOLE	10		DOMESTIC
92317	RHODES S	10/1/1981		COLUMBIA	40.96444	-76.35278	180	OPEN HOLE	25	20	DOMESTIC
92318	OLANICH J	9/6/1974		COLUMBIA	40.96250	-76.32611	200		4		DOMESTIC
92319	FISHER K	10/9/1974		COLUMBIA	40.96111	-76.32778	200		12		DOMESTIC
92320	SMITH N	8/27/1975		COLUMBIA	40.95333	-76.32139	110		20	10	DOMESTIC
92321	SHUMAN W	8/26/1975		COLUMBIA	40.97056	-76.21667	125		22		DOMESTIC
92324	STEELY J	1/1/1968		COLUMBIA	40.95417	-76.30417	82	OPEN HOLE	12		DOMESTIC
92325	STEELY B	1/1/1968		COLUMBIA	40.95389	-76.30222	114	OPEN HOLE	20		DOMESTIC
92326	ZEHNER C	1/1/1967		COLUMBIA	40.97778	-76.22056	109	OPEN HOLE	16		DOMESTIC
92327	HOUTZ A	1/1/1967		COLUMBIA	40.97667	-76.28889	200	OPEN HOLE	5		DOMESTIC
92328	FREY D	1/1/1967		COLUMBIA	40.97278	-76.30139	135	OPEN HOLE	8		DOMESTIC
92329	DAVIS N	1/1/1967		COLUMBIA	40.93333	-76.24556	176	OPEN HOLE	5		DOMESTIC
92330	BARCHAK S	4/1/1985		COLUMBIA	41.20306	-76.38056	41	OPEN HOLE	20		INDUSTRIAL
92331	BARCHAK S	4/1/1985		COLUMBIA	41.20278	-76.38139	50	SCREEN	10		
92332	BARCHAK S	4/1/1985		COLUMBIA	41.20417	-76.36806	41	SCREEN	10		
92333	JOSUHT A	4/1/1985		COLUMBIA	41.19139	-76.37861	398	OPEN HOLE	2		DOMESTIC
92334	BUCKALEW P	4/19/1985		COLUMBIA	41.23389	-76.33472	400	OPEN HOLE	1		DOMESTIC
92335	ENANICK F	11/15/1977		COLUMBIA	41.21917	-76.34583	118		40	15	DOMESTIC
92336	BERGER M	3/1/1974		COLUMBIA	41.19722	-76.33056	245		4		DOMESTIC
92337	BARDO R	5/6/1975		COLUMBIA	41.16500	-76.42028	410		7		DOMESTIC
92338	BRYNE R	10/1/1974		COLUMBIA	41.20222	-76.35194	105		95		DOMESTIC
92339	GRAZZYK L	9/1/1974		COLUMBIA	41.23972	-76.34139	350		8		DOMESTIC
92340	LITTLE G	6/1/1982		COLUMBIA	41.19417	-76.38722	30	OPEN HOLE	15		DOMESTIC
92343	HOMAN S	1/1/1966		COLUMBIA	41.17083	-76.30417	133	OPEN HOLE	2	24	DOMESTIC
92344	HARVEY C	1/1/1968		COLUMBIA	41.18889	-76.37639	188	OPEN HOLE	3	15	DOMESTIC
92345	EVERETT E	1/1/1967		COLUMBIA	41.21583	-76.37083	101	OPEN HOLE	16	10	DOMESTIC
92346	SELLERS GEO	1/1/1967		COLUMBIA	41.18889	-76.46222	114	OPEN HOLE	4		DOMESTIC
92347	LANBACH M	1/1/1967		COLUMBIA	41.21278	-76.37722	126	OPEN HOLE	16	80	DOMESTIC

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92348	SORDONI CONS CO	1/1/1967		COLUMBIA	41.20528	-76.38000	171	OPEN HOLE	37	21	DOMESTIC
92349	HESS LELAND	1/1/1967		COLUMBIA	41.19722	-76.38500	50	OPEN HOLE	20	10	DOMESTIC
92350	MACDERMOTT DON	1/1/1970		COLUMBIA	41.19500	-76.38833	140	OPEN HOLE	40		DOMESTIC
92351	GARCIA E	1/1/1973		COLUMBIA	41.17417	-76.38333	42	OTHER	30		DOMESTIC
92352	WOLFINGER HOMES	3/8/1983		COLUMBIA	41.06833	-76.26944	172	OPEN HOLE	15		DOMESTIC
92353	MILLER P	11/6/1984		COLUMBIA	41.10250	-76.22972	275	OPEN HOLE	6		DOMESTIC
92354	RYAN W	9/14/1984		COLUMBIA	41.05722	-76.28528	175	OPEN HOLE	20		DOMESTIC
92355	RABER T	6/28/1985		COLUMBIA	41.10083	-76.23111	225	OPEN HOLE	6		DOMESTIC
92356	HUTTON R	5/4/1985		COLUMBIA	41.07278	-76.29278	75	OPEN HOLE	15		DOMESTIC
92357	SMITHS BAIT SHOP	3/21/1985		COLUMBIA	41.06917	-76.27500	100	OPEN HOLE	30		DOMESTIC
92358	ORLANDO J	6/4/1984		COLUMBIA	41.07500	-76.26528	175	OPEN HOLE	3		DOMESTIC
92359	KLINESMITH D	11/23/1983		COLUMBIA	41.09583	-76.25750	177	OPEN HOLE	8		DOMESTIC
92360	KARC M	5/12/1983		COLUMBIA	41.10972	-76.22972	200	OPEN HOLE	6		DOMESTIC
92361	VANDERMARK R	5/12/1983		COLUMBIA	41.08111	-76.23722	175	OPEN HOLE	6		DOMESTIC
92362	SEELEY E	8/5/1982		COLUMBIA	41.04889	-76.25556	98	OPEN HOLE	12		DOMESTIC
92363	WAGNER W	9/8/1982		COLUMBIA	41.05917	-76.29722	225	OPEN HOLE	2.5		DOMESTIC
92364	MILLER E	9/27/1982		COLUMBIA	41.08750	-76.27639	300	OPEN HOLE	4		DOMESTIC
92365	ROBBINS W	9/29/1982		COLUMBIA	41.09194	-76.25944	200	OPEN HOLE	6		DOMESTIC
92366	HOLLINGAER H	10/14/1982		COLUMBIA	41.09167	-76.25500	160	OPEN HOLE	30		DOMESTIC
92367	ALBERTSON T	11/17/1982		COLUMBIA	41.08556	-76.25139	122	OPEN HOLE	5		DOMESTIC
92368	GITZ R	11/8/1982		COLUMBIA	41.08139	-76.28472	150	OPEN HOLE	15		DOMESTIC
92369	WHITENIGHT D	6/28/1982		COLUMBIA	41.09028	-76.27306	200	OPEN HOLE	5		DOMESTIC
92370	MENGLE W	9/2/1981		COLUMBIA	41.00611	-76.29583	385	OPEN HOLE	20		DOMESTIC
92371	HUMMEL A	11/7/1981		COLUMBIA	41.05694	-76.28806	300	OPEN HOLE	6		DOMESTIC
92372	KELCHNER R	4/4/1981		COLUMBIA	41.06194	-76.30139	97	OPEN HOLE	10		DOMESTIC
92373	TRAUGH J	3/24/1981		COLUMBIA	41.08333	-76.26889	150	OPEN HOLE	15		DOMESTIC
92374	SHELHAMER K	1/1/1981		COLUMBIA	41.07444	-76.36028	300	OPEN HOLE	4		DOMESTIC
92375	DELLEGROTTI L	6/24/1981		COLUMBIA	41.09139	-76.26167	200	OPEN HOLE	5		DOMESTIC
92376	HUNTINGTON R	4/3/1981		COLUMBIA	41.06111	-76.30222	100	OPEN HOLE	10		DOMESTIC
92377	ECKROTH D	6/17/1981		COLUMBIA	41.10028	-76.27944	200	OPEN HOLE	5		DOMESTIC
92378	HOSLER R	9/12/1980		COLUMBIA	41.09028	-76.26944	100	OPEN HOLE	20		DOMESTIC
92379	KOWALCHICK S	9/25/1980		COLUMBIA	41.07000	-76.25472	150	OPEN HOLE			DOMESTIC

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Table 2.3-33 {Groundwater Wells Located within a 25 Mile (40-km) Radius of BBNPP (Listed in Pennsylvania Groundwater Information System)}

PA WELL ID	OWNER	DATE DRILLED	DRILLING METHOD	COUNTY	LATITUDE	LONGITUDE	WELL DEPTH (ft bgs)	WELL FINISH	WELL YIELD (gpm)	STATIC WATER LEVEL (ft bgs)	WATER USE
92380	WHITMIRE C	11/1/1980		COLUMBIA	41.09778	-76.26056	150	OPEN HOLE	10		DOMESTIC
92381	HARRISON R	11/3/1980		COLUMBIA	41.09833	-76.26111	175	OPEN HOLE	9		DOMESTIC
92382	YALCH A	7/25/1980		COLUMBIA	41.10111	-76.25417	150	OPEN HOLE	7		DOMESTIC
92383	WELSH J	7/28/1980		COLUMBIA	41.07361	-76.26639	75	OPEN HOLE			DOMESTIC
92384	CAMBELL A	9/4/1980		COLUMBIA	41.06083	-76.29972	75	OPEN HOLE	10		DOMESTIC
92385	KLINGER L	8/19/1983		COLUMBIA	41.06250	-76.25389	160	OPEN HOLE	9		DOMESTIC
92386	LERRO R	7/21/1982		COLUMBIA	41.06389	-76.31722	125	OPEN HOLE	45		DOMESTIC
92387	LONG D	9/24/1982		COLUMBIA	41.06528	-76.33139	165	OPEN HOLE	15		DOMESTIC
92388	WOLFINGER HOMES	6/25/1981		COLUMBIA	41.07694	-76.32139	175	OPEN HOLE	7		DOMESTIC
92389	KEPNER F	6/8/1981		COLUMBIA	41.07167	-76.24500	185	OPEN HOLE	40		DOMESTIC
92391	ST PETERS CHURC	1/1/1967		COLUMBIA	41.05000	-76.30556	175	OPEN HOLE	3	100	
92392	BODNAR WASIL	1/1/1967		COLUMBIA	41.07361	-76.26111	73	OPEN HOLE	40	25	DOMESTIC
92393	JONES SIMON	1/1/1967		COLUMBIA	41.08500	-76.26806	135	OPEN HOLE	5	20	DOMESTIC
92394	FESTER J	1/1/1967		COLUMBIA	41.06639	-76.29972	115	OPEN HOLE	8	75	DOMESTIC
92395	MELURA A	1/1/1967		COLUMBIA	41.07083	-76.26694	133	OPEN HOLE	10		DOMESTIC
92396	KULP N	1/1/1967		COLUMBIA	41.06389	-76.31250	65	OPEN HOLE	10		DOMESTIC
92397	DENNIS B	1/1/1967		COLUMBIA	41.06361	-76.31000	46	OPEN HOLE	9	7	DOMESTIC
92398	WOLFINGER	1/1/1967		COLUMBIA	41.09972	-76.24444	120	OPEN HOLE	6	30	DOMESTIC
92399	COMESTOCK J	1/1/1967		COLUMBIA	41.05389	-76.27194	225	OPEN HOLE	4	40	DOMESTIC
92400	SMITH R	1/1/1967		COLUMBIA	41.07417	-76.29667	132	OPEN HOLE	10	10	DOMESTIC
92401	CAMPBELL H	1/1/1967		COLUMBIA	41.06917	-76.29028	93	OPEN HOLE	50	7	DOMESTIC
92402	VOUGHT R J	1/1/1968		COLUMBIA	41.05417	-76.26806	210	OPEN HOLE	20	140	DOMESTIC
92403	MCELRATH JR J	1/1/1968		COLUMBIA	41.04583	-76.26806	73	OPEN HOLE	30	35	DOMESTIC
92404	WHITMORE D	1/1/1968		COLUMBIA	41.06111	-76.29917	86	OPEN HOLE	15	37	DOMESTIC
92405	WHITTERMAN C	1/1/1968		COLUMBIA	41.06083	-76.29861	90	OPEN HOLE	8	75	DOMESTIC
92406	WHITMYER VERNON	1/1/1967		COLUMBIA	41.09444	-76.25500	150	OPEN HOLE	6		DOMESTIC
92407	ALBERTSON R	1/1/1966		COLUMBIA	41.09083	-76.25778	115	OPEN HOLE	15	30	DOMESTIC
92408	WOLFINGER	1/1/1966		COLUMBIA	41.09139	-76.26250	175	OPEN HOLE	6	60	DOMESTIC
92409	WALTMAN H J	1/1/1966		COLUMBIA	41.08528	-76.25750	130	OPEN HOLE	7	65	DOMESTIC
92410	CROOP W H	1/1/1966		COLUMBIA	41.05389	-76.26444	120	OPEN HOLE	7	25	DOMESTIC
92411	MCELRATH J	1/1/1967		COLUMBIA	41.04667	-76.45722	75	OPEN HOLE	15	25	DOMESTIC
92412		1/1/1968		COLUMBIA	41.06833	-76.25806	12	OPEN HOLE	14		DOMESTIC

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Table 2.3-33 {Groundwater Wells Located within a 25 Mile (40-km) Radius of BBNPP (Listed in Pennsylvania Groundwater Information System)}

PA WELL ID	OWNER	DATE DRILLED	DRILLING METHOD	COUNTY	LATITUDE	LONGITUDE	WELL DEPTH (ft bgs)	WELL FINISH	WELL YIELD (gpm)	STATIC WATER LEVEL (ft bgs)	WATER USE
92413	HACK & SONS C R	1/1/1968		COLUMBIA	41.06667	-76.27083	66	OPEN HOLE	15	35	DOMESTIC
92414	NAUGLE A	1/1/1968		COLUMBIA	41.07528	-76.26167	50	OPEN HOLE	15	1	DOMESTIC
92415	WEAVER DEAN	1/1/1974		COLUMBIA	41.10000	-76.31167	150	OPEN HOLE	8		DOMESTIC
92416	MAGEE ROBERT	1/1/1972		COLUMBIA	41.10000	-76.31167	75	OPEN HOLE	8	5	DOMESTIC
92417	CROTHERS WM	1/1/1974		COLUMBIA	41.10000	-76.31167	125	OPEN HOLE	6		DOMESTIC
92418	BOWER VAUGHN	1/1/1975		COLUMBIA	41.10000	-76.31167	80	OPEN HOLE	12	6	DOMESTIC
92419	LAUBACH DAVID	1/1/1973		COLUMBIA	41.10000	-76.31167	100	OPEN HOLE	7		DOMESTIC
92420	WELSH HAY	1/1/1974		COLUMBIA	41.10000	-76.31167	125	OPEN HOLE	8		DOMESTIC
92421	SMITH JACK	1/1/1969		COLUMBIA	41.09250	-76.25500	135	OPEN HOLE	8		DOMESTIC
92422	COLLINS E	1/1/1970		COLUMBIA	41.09250	-76.25500	185	OPEN HOLE	10		DOMESTIC
92423	DENT JACK	1/1/1973		COLUMBIA	41.09250	-76.25500	150	OPEN HOLE	12		DOMESTIC
92424	SITLER ALLEN	1/1/1974		COLUMBIA	41.09250	-76.25500	175	OPEN HOLE	12		DOMESTIC
92425	GRASLEY HAROLD	1/1/1972		COLUMBIA	41.09250	-76.25500	150	OPEN HOLE	8		DOMESTIC
92426		1/1/1969		COLUMBIA	41.09250	-76.25500	150	OPEN HOLE	8		DOMESTIC
92427	KISLY WALTER	1/1/1974		COLUMBIA	41.09250	-76.25500	150	OPEN HOLE	6		DOMESTIC
92428	DEFLACE B	1/1/1971		COLUMBIA	41.07667	-76.26667	150	OPEN HOLE	15		DOMESTIC
92429	MILLER	1/1/1971		COLUMBIA	41.07667	-76.26667	125	OPEN HOLE	7		DOMESTIC
92430	RATAMESS LEO	1/1/1970		COLUMBIA	41.07667	-76.26667	110	OPEN HOLE	8		DOMESTIC
92431	WOLFINGER	1/1/1971		COLUMBIA	41.07667	-76.26667	110	OPEN HOLE			DOMESTIC
92432	HOOK	1/1/1974		COLUMBIA	41.07667	-76.26667	100	OPEN HOLE	10		DOMESTIC
92433	HOUGH HAROLD	1/1/1974		COLUMBIA	41.09167	-76.27500	125	OPEN HOLE	10		DOMESTIC
92434	HOUGH HAROLD	1/1/1974		COLUMBIA	41.09167	-76.27500	125	OPEN HOLE	10		DOMESTIC
92435	DAVIS RONALD	1/1/1974		COLUMBIA	41.09167	-76.27500	175	OPEN HOLE	8		DOMESTIC
92436	LEX DONALD	1/1/1975		COLUMBIA	41.09167	-76.27500	135	OPEN HOLE	6		DOMESTIC
92437	MCDERMITT DON	1/1/1973		COLUMBIA	41.09167	-76.27500	150	OPEN HOLE	12		DOMESTIC
92438	ZWOLSKI JOSEPH	1/1/1972		COLUMBIA	41.09167	-76.27500	100	OPEN HOLE	7		DOMESTIC
92439	KNORR LARRY	1/1/1974		COLUMBIA	41.09167	-76.27500	175	OPEN HOLE	5		DOMESTIC
92440	VATTALAS ROY	1/1/1972		COLUMBIA	41.09167	-76.27500	125	OPEN HOLE	10		DOMESTIC
92441	GORDAN MR	1/1/1973		COLUMBIA	41.09167	-76.27500	150	OPEN HOLE	6		DOMESTIC
92442	KECK DOYLE	1/1/1972		COLUMBIA	41.08611	-76.29083	135	OPEN HOLE	10		DOMESTIC
92443	PENNYPACKER C	1/1/1974		COLUMBIA	41.09611	-76.29750	150	OPEN HOLE	8		DOMESTIC
92444	KISLY WALTER	1/1/1974		COLUMBIA	41.08833	-76.25694	175	OPEN HOLE	10		DOMESTIC

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Table 2.3-33 {Groundwater Wells Located within a 25 Mile (40-km) Radius of BBNPP (Listed in Pennsylvania Groundwater Information System)}

PA WELL ID	OWNER	DATE DRILLED	DRILLING METHOD	COUNTY	LATITUDE	LONGITUDE	WELL DEPTH (ft bgs)	WELL FINISH	WELL YIELD (gpm)	STATIC WATER LEVEL (ft bgs)	WATER USE
92445	O'NEAL RICHARD	1/1/1974		COLUMBIA	41.06667	-76.29417	198	OPEN HOLE	5		DOMESTIC
92446	NEWMAN BARRY	1/1/1974		COLUMBIA	41.06667	-76.29417	185	OPEN HOLE	25		DOMESTIC
92447	BOMBERSHIME H	1/1/1974		COLUMBIA	41.06833	-76.29750	125	OPEN HOLE	8		DOMESTIC
92448	CORRATHERS WM	1/1/1972		COLUMBIA	41.07222	-76.29611	105	OPEN HOLE	8	65	DOMESTIC
92449	CARRATHERS M	1/1/1972		COLUMBIA	41.07222	-76.29611	100	OPEN HOLE	8		DOMESTIC
92450	KELCHNER RALPH	1/1/1972		COLUMBIA	41.06583	-76.29833	75	OPEN HOLE	14		DOMESTIC
92451	HUNSINGER DON			COLUMBIA	41.07889	-76.23667	100	OPEN HOLE	15		DOMESTIC
92452	VENCLOSKI JOSPH			COLUMBIA	41.11944	-76.23750	100	OPEN HOLE	10		DOMESTIC
92453	VENCLOSKI DAVID			COLUMBIA	41.11806	-76.23694	200	OPEN HOLE	9		DOMESTIC
92454	WEAVER B	1/1/1986		COLUMBIA	40.92972	-76.45861	175	OPEN HOLE	10		DOMESTIC
92455	CATAWISSA WATER CO	10/4/1979		COLUMBIA	40.93139	-76.44583	400		60		
92456	CATAWISSA WATER CO	10/10/1979		COLUMBIA	40.93194	-76.44639	400		45		
92457	HILLARD O	6/1/1983		COLUMBIA	40.98417	-76.42111	148	OPEN HOLE	15		DOMESTIC
92459	BREECH I FESTER	1/1/1967		COLUMBIA	40.96306	-76.44639	170	OPEN HOLE	5	40	DOMESTIC
92460	MILLER LEO	1/1/1968		COLUMBIA	40.94667	-76.44944	160	OPEN HOLE	6	60	DOMESTIC
92461	SENSON R	1/1/1968		COLUMBIA	40.97083	-76.43056	175	OPEN HOLE	10		DOMESTIC
92462	MAYERNICK T G	1/1/1966		COLUMBIA	40.93000	-76.43917	127	OPEN HOLE	20		DOMESTIC
92463	HOWER G	1/1/1966		COLUMBIA	40.95917	-76.44722	328	OPEN HOLE	3		DOMESTIC
92464	FLEMING S R	1/1/1966		COLUMBIA	40.91833	-76.46944	196	OPEN HOLE	10		DOMESTIC
92465	HOWER A	1/1/1967		COLUMBIA	40.98722	-76.43028	130	OPEN HOLE	6	30	DOMESTIC
92466	DEROSE P	1/1/1968		COLUMBIA	40.98333	-76.42194	95	OPEN HOLE	8		DOMESTIC
92467	WOYTKO P	1/1/1967		COLUMBIA	40.89222	-76.38306	106	OPEN HOLE	12		DOMESTIC
92468	MINNEL D	1/1/1968		COLUMBIA	40.85417	-76.47583	115	OPEN HOLE	11		DOMESTIC
92469	BEAVER C	1/1/1967		COLUMBIA	40.84306	-76.45917	101		50		DOMESTIC
92470	SHERVITSKI JAS	1/1/1969		COLUMBIA	40.88000	-76.48278	300	OPEN HOLE	7		DOMESTIC
92471	BROWN DAVE	1/1/1969		COLUMBIA	40.84167	-76.46917	160	OPEN HOLE	11		DOMESTIC
92472	DEMANINCOR MARY	1/1/1970		COLUMBIA	40.84583	-76.50056	136	OPEN HOLE	6		DOMESTIC
92473	DAVISON D	10/23/1985		COLUMBIA	41.15833	-76.29444	200	OPEN HOLE	40		DOMESTIC
92474	GREGER S	5/1/1984		COLUMBIA	41.14806	-76.32056	195	OPEN HOLE	10		DOMESTIC
92475	KELLER C	6/28/1983		COLUMBIA	41.17639	-76.38528	300	OPEN HOLE	3.5		DOMESTIC
92476	RUNTAG N	6/1/1983		COLUMBIA	41.14000	-76.33639	98	OPEN HOLE	4		DOMESTIC
92477	CROOP R	11/16/1982		COLUMBIA	41.13000	-76.29000	100	OPEN HOLE	25		DOMESTIC

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PA WELL ID	OWNER	DATE DRILLED	DRILLING METHOD	COUNTY	LATITUDE	LONGITUDE	WELL DEPTH (ft bgs)	WELL FINISH	WELL YIELD (gpm)	STATIC WATER LEVEL (ft bgs)	WATER USE
92478	HENRICK J	3/27/1981		COLUMBIA	41.13000	-76.29000	200	OPEN HOLE	20		DOMESTIC
92479	JOHNSON D	9/13/1975		COLUMBIA	41.15778	-76.33611	175		7		DOMESTIC
92480	CHESNET D	1/5/1976		COLUMBIA	41.12917	-76.38778	100		4		DOMESTIC
92481	HESS P	6/1/1978		COLUMBIA	41.15528	-76.35194	80	OPEN HOLE	6	20	DOMESTIC
92482	STEZAK H	9/11/1976		COLUMBIA	41.16639	-76.32750	200		8		DOMESTIC
92483	ASK K	3/2/1979		COLUMBIA	41.10694	-76.34861	225		50		DOMESTIC
92484	KELLER E	7/27/1974		COLUMBIA	41.10306	-76.37556	24		20	22	
92485	HOUGH H	12/29/1975		COLUMBIA	41.10056	-76.41389	225		7		DOMESTIC
92486	SALAMA R	2/3/1984		COLUMBIA	41.12444	-76.31944	170	OPEN HOLE	5		DOMESTIC
92487	FRITZ R	11/1/1975		COLUMBIA	41.15222	-76.30083	80		10		DOMESTIC
92488	STERNER MRS R	1/1/1967		COLUMBIA	41.11056	-76.36167	28	OPEN HOLE	20	10	DOMESTIC
92489	SCHAD G	1/1/1967		COLUMBIA	41.10139	-76.36722	83	OPEN HOLE	20	6	DOMESTIC
92490	RUCH JR CLARK	1/1/1967		COLUMBIA	41.13056	-76.30417	125	OPEN HOLE	10	53	DOMESTIC
92491	YOST A A	1/1/1968		COLUMBIA	41.14722	-76.31778	75	OPEN HOLE	5	13	DOMESTIC
92492	MCMAHON W J	1/1/1968		COLUMBIA	41.13000	-76.39194	160	OPEN HOLE	10		DOMESTIC
92493	NEMPHREY G	1/1/1968		COLUMBIA	41.13056	-76.30556	80	OPEN HOLE	30	24	DOMESTIC
92494	POWERS C G	1/1/1966		COLUMBIA	41.13111	-76.30056	90	OPEN HOLE	20	20	DOMESTIC
92495	LINDEMAN J	1/1/1968		COLUMBIA	41.13250	-76.30806	95	OPEN HOLE	10	25	DOMESTIC
92496	BOSTON BROS	1/1/1968		COLUMBIA	41.16444	-76.31722	113	OPEN HOLE	6	35	DOMESTIC
92497	DOTY ALFRED	1/1/1968		COLUMBIA	41.16806	-76.31500	90	OPEN HOLE	2	35	DOMESTIC
92498	BOSTON BERRY	1/1/1968		COLUMBIA	41.16306	-76.31806	95	OPEN HOLE	6	25	DOMESTIC
92499	HESS DON	1/1/1969		COLUMBIA	41.14056	-76.31250	75		25	20	DOMESTIC
92500	TROY SYLVIA	1/1/1973		COLUMBIA	41.15722	-76.37444	32	OPEN HOLE	25		DOMESTIC
92501	EPICHECA CAMP	1/1/1973		COLUMBIA	41.13500	-76.36417	100	OPEN HOLE			DOMESTIC
92502	RIBBLE E	1/1/1974		COLUMBIA	41.15722	-76.36417	27	OPEN HOLE	16		DOMESTIC
92503	LINDNER HAROLD	1/1/1972		COLUMBIA	41.14833	-76.31667	74	OPEN HOLE	8	10	DOMESTIC
92504	WILLIAMS LEWIS	1/1/1974		COLUMBIA	41.15167	-76.31667	225	OPEN HOLE	10	30	DOMESTIC
92505	WELK GEORGE	1/1/1971		COLUMBIA	41.14750	-76.32583	100	OPEN HOLE	10	30	DOMESTIC
92506	HEINTZELMAN R	1/1/1974		COLUMBIA	41.16583	-76.32000	225	OPEN HOLE	7		DOMESTIC
92507	LISA RAY	1/1/1970		COLUMBIA	41.15000	-76.36667	122	OPEN HOLE	12		DOMESTIC
92508	ROHRBACH FARMS	1/1/1968		COLUMBIA	40.97500	-76.52222	235	OPEN HOLE	18		DOMESTIC
92509	BANGS D	7/1/1979		COLUMBIA	41.14861	-76.44861	230	OPEN HOLE	4	30	DOMESTIC

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PA WELL ID	OWNER	DATE DRILLED	DRILLING METHOD	COUNTY	LATITUDE	LONGITUDE	WELL DEPTH (ft bgs)	WELL FINISH	WELL YIELD (gpm)	STATIC WATER LEVEL (ft bgs)	WATER USE
92510	REESE C	10/1/1981		COLUMBIA	41.14222	-76.42278	148	OPEN HOLE	10		DOMESTIC
92511	MUSSELMAN	3/25/1981		COLUMBIA	41.15111	-76.55583	300		5		DOMESTIC
92512	KILE A	7/17/1975		COLUMBIA	41.13667	-76.44667	110		6		DOMESTIC
92513	BEAGLE R	9/28/1980		COLUMBIA	41.14972	-76.46528	198	OPEN HOLE	4	22	DOMESTIC
92514	ABRACZENSKA J	7/1/1978		COLUMBIA	41.15111	-76.50083	110	OPEN HOLE	15	30	DOMESTIC
92515	BOATMAN F	1/20/1979		COLUMBIA	41.12972	-76.49139	123	OPEN HOLE	8		DOMESTIC
92516	BOATMAN F	12/28/1978		COLUMBIA	41.12861	-76.50306	123	OPEN HOLE	8		DOMESTIC
92517	GREENWOOD TWP	5/1/1984		COLUMBIA	41.13583	-76.47056	80	OPEN HOLE	10	10	PUBLIC SUPPLY
92518	DUKL R	6/4/1977		COLUMBIA	41.12472	-76.42889	64		7	18	DOMESTIC
92519	DILTZ D	9/15/1977		COLUMBIA	41.13556	-76.41444	95		8	35	DOMESTIC
92520	HOCK T	7/1/1979		COLUMBIA	41.11528	-76.46250	125	OPEN HOLE	8	20	DOMESTIC
92521	DEMOTT J	5/1/1980		COLUMBIA	41.08944	-76.51639	248	OPEN HOLE	3		DOMESTIC
92522	RENNER S	8/11/1980		COLUMBIA	41.11944	-76.51250	55	OPEN HOLE	15	6	DOMESTIC
92523	NOSS H	8/20/1975		COLUMBIA	41.17444	-76.41417	71		50		DOMESTIC
92525	MCHENRY R	1/1/1967		COLUMBIA	41.11278	-76.52333	110	OPEN HOLE	3	10	DOMESTIC
92526	ORLASKI J	1/1/1967		COLUMBIA	41.14861	-76.53194	48	OPEN HOLE	10	5	DOMESTIC
92527	BAMP D E	1/1/1967		COLUMBIA	41.14667	-76.45833	77	OPEN HOLE	10	17	DOMESTIC
92528	PUTERBAUGH R	1/1/1966		COLUMBIA	41.12944	-76.45333	90	OPEN HOLE	5	40	DOMESTIC
92529	EVANS D	1/1/1966		COLUMBIA	41.12083	-76.52361	70	OPEN HOLE	20	10	DOMESTIC
92530	TALCOTT T	1/1/1967		COLUMBIA	41.13556	-76.45972	125	OPEN HOLE	10	17	DOMESTIC
92531	HAFFEY E	1/1/1967		COLUMBIA	41.14167	-76.42778	44	OPEN HOLE	20	3	DOMESTIC
92532	EYER J	1/1/1968		COLUMBIA	41.12944	-76.45361	36	OPEN HOLE			DOMESTIC
92533	KARNS C	1/1/1967		COLUMBIA	41.11111	-76.52083	175	OPEN HOLE		15	DOMESTIC
92534	WINSKI DR L	1/1/1968		COLUMBIA	41.12222	-76.54583	125	OPEN HOLE	5	23	DOMESTIC
92535	BROWN MRS M	1/1/1968		COLUMBIA	41.14667	-76.45833	162	OPEN HOLE	4	30	DOMESTIC
92536	ELLIS DEV CO	9/1/1985		COLUMBIA	41.02194	-76.47139	273	OPEN HOLE	15		PUBLIC SUPPLY
92537	DRAKE R	9/1/1984		COLUMBIA	40.99500	-76.53778	100	OPEN HOLE	6	20	DOMESTIC
92538		5/1/1984		COLUMBIA	41.02583	-76.48194	123	OPEN HOLE	20		DOMESTIC
92539	ROBERTS T	6/1/1984		COLUMBIA	41.01722	-76.50556	298	OPEN HOLE	2		DOMESTIC
92540	KLINGER R	7/1/1983		COLUMBIA	41.02556	-76.48417	123	OPEN HOLE	20		DOMESTIC
92541	HOCK C	8/1/1983		COLUMBIA	41.07583	-76.51194	448	OPEN HOLE	7		INDUSTRIAL
92542	MILLARD W	10/1/1981		COLUMBIA	41.04917	-76.49028	120	OPEN HOLE	15		PUBLIC SUPPLY

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Table 2.3-33 {Groundwater Wells Located within a 25 Mile (40-km) Radius of BBNPP (Listed in Pennsylvania Groundwater Information System)}

PA WELL ID	OWNER	DATE DRILLED	DRILLING METHOD	COUNTY	LATITUDE	LONGITUDE	WELL DEPTH (ft bgs)	WELL FINISH	WELL YIELD (gpm)	STATIC WATER LEVEL (ft bgs)	WATER USE
92545	LONG MRS C	1/1/1967		COLUMBIA	41.01944	-76.50556	80	OPEN HOLE	16	36	DOMESTIC
92546	COLLINS J	1/1/1967		COLUMBIA	41.02083	-76.51250	80	OPEN HOLE	5	20	DOMESTIC
92547	MARTZ A	1/1/1967		COLUMBIA	41.01806	-76.51806	120	OPEN HOLE	5	25	DOMESTIC
92548	WOLFINGER	1/1/1968		COLUMBIA	41.02639	-76.49417	195	OPEN HOLE	6	24	DOMESTIC
92549	REICHARD EDGAR	1/1/1966		COLUMBIA	40.99806	-76.48111	113	OPEN HOLE	20	88	DOMESTIC
92550	WAGNER E	1/1/1966		COLUMBIA	41.01944	-76.51944	300	OPEN HOLE	30	45	DOMESTIC
92551	GIRTON A L	1/1/1966		COLUMBIA	41.01944	-76.50139	63	OPEN HOLE	10	34	DOMESTIC
92552	BERGER W	1/1/1968		COLUMBIA	40.98278	-76.48722	81	OPEN HOLE	16	20	DOMESTIC
92553	MAGEE HARRY L	1/1/1966		COLUMBIA	41.02556	-76.47944	60	OPEN HOLE	50	15	DOMESTIC
92554	KING J	6/1/1984		COLUMBIA	41.18444	-76.41333	398	OPEN HOLE	1		DOMESTIC
92555	FLATT C	4/12/1982		COLUMBIA	41.23694	-76.44083	140	OPEN HOLE	8		DOMESTIC
92556	MILLER D	4/12/1982		COLUMBIA	41.20917	-76.41806	200	OPEN HOLE	5		DOMESTIC
92557	REMLEY E	9/8/1974		COLUMBIA	41.19139	-76.31083	115		8	45	DOMESTIC
92558	ELY C	1/1/1968		COLUMBIA	41.23250	-76.42472	85	OPEN HOLE	7	35	DOMESTIC
92559	WERNER F	4/1/1983		COLUMBIA	40.90750	-76.41333	160	OPEN HOLE	15		DOMESTIC
92560	SABO T	2/1/1985		COLUMBIA	40.87528	-76.40333	163	OPEN HOLE	10		DOMESTIC
92561	FETTERMAN L	12/7/1976		COLUMBIA	40.88472	-76.38583	150		6		DOMESTIC
92562	FLEMING C	1/1/1967		COLUMBIA	40.87750	-76.37583	78	OPEN HOLE	5		DOMESTIC
92563	HOUALL J	1/1/1967		COLUMBIA	40.85333	-76.39833	85	OPEN HOLE	30		DOMESTIC
92564	LEGAL BUCK CLUB	1/1/1967		COLUMBIA	40.85972	-76.40250	86	OPEN HOLE	5		DOMESTIC
92565	BELTZ K	1/1/1967		COLUMBIA	40.88056	-76.36944	100	OPEN HOLE	12		DOMESTIC
92566	FLEMING S	1/1/1966		COLUMBIA	40.87806	-76.40278	86	OPEN HOLE	20		DOMESTIC
92567	HORNBERGER P	1/1/1969		COLUMBIA	40.88083	-76.40000	115	OPEN HOLE	15		DOMESTIC
92568	CARL A	1/1/1969		COLUMBIA	40.88056	-76.40056	140	OPEN HOLE	8		DOMESTIC
92569	CARL D	1/1/1969		COLUMBIA	40.90694	-76.41583	138	OPEN HOLE	12		DOMESTIC
92570	BEAVER S	1/1/1969		COLUMBIA	40.90722	-76.41583	45	OPEN HOLE	10		DOMESTIC
92571	BITTNER R	1/1/1969		COLUMBIA	40.90056	-76.41722	89	OPEN HOLE	9		DOMESTIC
92572	KELLY Z B	1/1/1969		COLUMBIA	40.91028	-76.40278	35	OPEN HOLE	8		DOMESTIC
92573	KREISHER G	1/1/1970		COLUMBIA	40.88000	-76.40278	115	OPEN HOLE	6		DOMESTIC
92574	GETTY LEE	1/1/1970		COLUMBIA	40.88056	-76.40083	82	OPEN HOLE	12		DOMESTIC
92575	ST PAULS CHURCH	1/1/1967		COLUMBIA	40.88083	-76.39917	128	OPEN HOLE	10		DOMESTIC
92576	FRANCES ROBERT	1/1/1970		COLUMBIA	40.89083	-76.39778	100	OPEN HOLE	10		DOMESTIC

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PA WELL ID	OWNER	DATE DRILLED	DRILLING METHOD	COUNTY	LATITUDE	LONGITUDE	WELL DEPTH (ft bgs)	WELL FINISH	WELL YIELD (gpm)	STATIC WATER LEVEL (ft bgs)	WATER USE
92577	WARNER A	10/1/1985		COLUMBIA	41.11861	-76.55472	98	OPEN HOLE	20	3	DOMESTIC
92578	BECK T	8/1/1985		COLUMBIA	41.04583	-76.53028	225	OPEN HOLE	5		DOMESTIC
92579	STRAUSSER L	5/1/1984		COLUMBIA	41.13944	-76.60389	185	OPEN HOLE	4	75	DOMESTIC
92580	DIEHL L	9/1/1983		COLUMBIA	41.07056	-76.58861	423	OPEN HOLE	1		DOMESTIC
92581	LYONS H	8/1/1923		COLUMBIA	41.09417	-76.54611	223	OPEN HOLE	20		STOCK
92582	WILLIAMS R	9/1/1983		COLUMBIA	41.09944	-76.59889	198	OPEN HOLE	10		DOMESTIC
92583	BITLER G	10/1/1981		COLUMBIA	41.06778	-76.52972	148	OPEN HOLE	10		DOMESTIC
92584	FISHER B	10/1/1981		COLUMBIA	41.08444	-76.57778	73	OPEN HOLE	12		DOMESTIC
92585	KICHEL S			COLUMBIA	41.08722	-76.57778	58		4		DOMESTIC
92586	GARMAN W	1/1/1985		COLUMBIA	41.02111	-76.49889	203	OPEN HOLE	6		DOMESTIC
92587	KLINE W	8/1/1984		COLUMBIA	41.07611	-76.51111	348	OPEN HOLE	1		DOMESTIC
92588	MOSIER J	4/1/1984		COLUMBIA	41.04583	-76.53000	73	OPEN HOLE	30		DOMESTIC
92589	JOHNSON T	8/1/1984		COLUMBIA	41.07056	-76.58861	60	OPEN HOLE	20	19	DOMESTIC
92593	DIEHL MYRON	1/1/1967		COLUMBIA	41.09028	-76.58056	55	OPEN HOLE	6	19	DOMESTIC
92594	STINER D	1/1/1967		COLUMBIA	41.09250	-76.39917	205	OPEN HOLE	2	12	DOMESTIC
92595	PETERMAN C	1/1/1967		COLUMBIA	41.13472	-76.53750	105	OPEN HOLE	10	36	DOMESTIC
92596	EYER B	1/1/1967		COLUMBIA	41.10833	-76.54306	115	OPEN HOLE	7	44	DOMESTIC
92597	YERG HERBERT	1/1/1968		COLUMBIA	41.14444	-76.61667	240	OPEN HOLE	10	150	DOMESTIC
92598	AXE H	1/1/1968		COLUMBIA	41.14444	-76.60833	90	OPEN HOLE	7	10	DOMESTIC
92599	WILLIAMS R	1/1/1966		COLUMBIA	41.09444	-76.58389	115	OPEN HOLE	5	15	DOMESTIC
92600	NICHOLS W	1/1/1966		COLUMBIA	41.08889	-76.41389	90	OPEN HOLE	2	20	DOMESTIC
92601	MCCARTY R	1/1/1966		COLUMBIA	41.10139	-76.60056	165	OPEN HOLE	20	44	DOMESTIC
92602	WEATHERALL JAY	1/1/1968		COLUMBIA	41.09028	-76.57639	99	OPEN HOLE	2	13	DOMESTIC
92603	CYPHERS JAMES	1/1/1966		COLUMBIA	41.07917	-76.61111	90	OPEN HOLE	4	10	DOMESTIC
92604	MCGARGLE FRANK	1/1/1968		COLUMBIA	41.10833	-76.62500	257	OPEN HOLE	4	10	DOMESTIC
92605	ROBBINS DONALD	1/1/1967		COLUMBIA	41.08750	-76.61944	76	OPEN HOLE	15	5	DOMESTIC
92606	BOWERS DAVID	1/1/1973		COLUMBIA	41.05833	-76.54417	104	OPEN HOLE	6		DOMESTIC
92607	LAWTON RANDY	1/1/1972		COLUMBIA	41.07444	-76.51222	90	OPEN HOLE	8		DOMESTIC
92608	WYINGS O	7/27/1983		COLUMBIA	40.96361	-76.35250	150	OPEN HOLE	30		DOMESTIC
92609	SATO T	10/1/1981		COLUMBIA	40.95833	-76.45083	151	OPEN HOLE	20	20	DOMESTIC
92610	DEER J	11/1/1981		COLUMBIA	40.98139	-76.38500	73	OPEN HOLE	12		DOMESTIC
92611	WHITE P	1/1/1968		COLUMBIA	40.97583	-76.37278	62	OPEN HOLE	20		DOMESTIC

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PA WELL ID	OWNER	DATE DRILLED	DRILLING METHOD	COUNTY	LATITUDE	LONGITUDE	WELL DEPTH (ft bgs)	WELL FINISH	WELL YIELD (gpm)	STATIC WATER LEVEL (ft bgs)	WATER USE
92612	HOWELL D	1/1/1966		COLUMBIA	40.98056	-76.37806	110	OPEN HOLE	20	40	DOMESTIC
92613	BITLER W	1/1/1966		COLUMBIA	40.99278	-76.41000	390	OPEN HOLE	2	60	DOMESTIC
92614	PICKIN J	1/1/1966		COLUMBIA	40.98333	-76.42250	230	OPEN HOLE	1	70	DOMESTIC
92615	YEHEY C	1/1/1967		COLUMBIA	40.99611	-76.41806	395	OPEN HOLE	30	35	DOMESTIC
92616	HOUGH HAROLD	1/1/1972		COLUMBIA	40.97750	-76.37222	58	OPEN HOLE	4		DOMESTIC
92617	GASSERT SAM	1/1/1973		COLUMBIA	40.96583	-76.37250	125	OPEN HOLE	14		DOMESTIC
92618	ROD & GUN CLUB	1/1/1973		COLUMBIA	40.84167	-76.37500	147	OPEN HOLE	16		PUBLIC SUPPLY
92619	ARNOLDS GOLF COURSE	3/19/1985		COLUMBIA	41.03694	-76.28528	125	OPEN HOLE	10		PUBLIC SUPPLY
92620	ATEN F	7/12/1985		COLUMBIA	41.03083	-76.27722	225	OPEN HOLE	30		DOMESTIC
92621	EVANS O	6/1/1985		COLUMBIA	41.01833	-76.30861	123	OPEN HOLE	15		DOMESTIC
92622	DAVIS B	9/27/1984		COLUMBIA	40.99917	-76.31417	200	OPEN HOLE	4		DOMESTIC
92623	FISHER M	7/19/1984		COLUMBIA	41.01306	-76.34028	225	OPEN HOLE	6		DOMESTIC
92624	NUSS D	5/1/1985		COLUMBIA	41.01361	-76.31667	98	OPEN HOLE	12		DOMESTIC
92625	EXXON	4/1/1985		COLUMBIA	41.02750	-76.31889	33				
92626	EXXON	4/1/1985		COLUMBIA	41.02806	-76.31833	34	SCREEN			
92627	EXXON	4/1/1985		COLUMBIA	41.02694	-76.31806	34				
92628	HOFFMAN R	7/25/1983		COLUMBIA	41.01556	-76.28944	275	OPEN HOLE	20		DOMESTIC
92629	ERDMAN R	10/21/1983		COLUMBIA	41.01111	-76.27306	150		15		DOMESTIC
92630	ABRIZINSKAS E	8/6/1983		COLUMBIA	41.01583	-76.31861	173	OPEN HOLE	4		DOMESTIC
92631	YOUNG M	7/7/1982		COLUMBIA	41.01361	-76.31250	225	OPEN HOLE	10		DOMESTIC
92632	CLEAVER J	7/6/1982		COLUMBIA	41.01250	-76.31250	190	OPEN HOLE	9		DOMESTIC
92633	HUNSINGER D	8/23/1985		COLUMBIA	41.02111	-76.31722	200	OPEN HOLE	6		DOMESTIC
92634	SLUSSER P	1/1/1967		COLUMBIA	40.99389	-76.33722	125	OPEN HOLE	8		DOMESTIC
92635	MYERS W	1/1/1967		COLUMBIA	41.01361	-76.27639	94	OPEN HOLE	8	30	DOMESTIC
92636	BARNES V	1/1/1967		COLUMBIA	41.03278	-76.30750	80	OPEN HOLE	20		DOMESTIC
92637	BARNES V	1/1/1967		COLUMBIA	41.03056	-76.31000	175	OPEN HOLE	4		DOMESTIC
92638	SHINER W	1/1/1967		COLUMBIA	41.01444	-76.25417	112		3		DOMESTIC
92639	MENGLE REV W	1/1/1967		COLUMBIA	41.01583	-76.29250	245	OPEN HOLE	4	145	DOMESTIC
92640	LICKY AND BARNS	1/1/1968		COLUMBIA	41.01528	-76.29222	76	OPEN HOLE	5		
92641	COMMONWTH OF PA	1/1/1966		COLUMBIA	41.00917	-76.26417	80	OPEN HOLE	30	32	DOMESTIC
92642	COMMONWTH OF PA	1/1/1966		COLUMBIA	41.01000	-76.26389	80	OPEN HOLE	50		DOMESTIC
92643	DOBLER D W	1/1/1966		COLUMBIA	41.02611	-76.30250	60	OPEN HOLE	15	20	DOMESTIC

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92644	MOWERY CY	1/1/1966		COLUMBIA	41.00667	-76.22500	85	OPEN HOLE	30	45	DOMESTIC
92645	PIFER C	1/1/1966		COLUMBIA	41.01250	-76.31722	67	OPEN HOLE	30	20	DOMESTIC
92646	BARNES V	1/1/1968		COLUMBIA	41.03417	-76.30083	125	OPEN HOLE	10		DOMESTIC
92647	DODSON	1/1/1968		COLUMBIA	41.03250	-76.30361	125	OPEN HOLE	10		DOMESTIC
92648	HARRIS A	1/1/1968		COLUMBIA	41.03139	-76.30611	55	OPEN HOLE	20	19	DOMESTIC
92649	YODER H	1/1/1966		COLUMBIA	41.02167	-76.24778	195	OPEN HOLE	6	75	DOMESTIC
92650	BAKER MOBLE HOM	1/1/1967		COLUMBIA	41.02556	-76.30472	120	OPEN HOLE	12	20	DOMESTIC
92651	ERLEMIER LESTER	1/1/1968		COLUMBIA	41.02944	-76.31528	90	OPEN HOLE	19	20	DOMESTIC
92652	VOUGHT RAY	1/1/1966		COLUMBIA	41.02278	-76.30000	90	OPEN HOLE	10	35	DOMESTIC
92653	MAURRER MR	1/1/1973		COLUMBIA	41.01333	-76.27000	275	OPEN HOLE	5		DOMESTIC
92654	YODER RICHARD	1/1/1974		COLUMBIA	41.02917	-76.23000	100	OPEN HOLE	6		DOMESTIC
92655	MKAXIMIEK W	7/13/1981		COLUMBIA	41.01389	-76.44639	375	OPEN HOLE	30		DOMESTIC
92656	SPENGLER A	7/10/1981		COLUMBIA	41.01278	-76.43056	275		6		DOMESTIC
92658	SPONENBERG H	1/1/1967		COLUMBIA	40.98750	-76.50694	138	OPEN HOLE	9	15	DOMESTIC
92659	KARNES C	1/1/1967		COLUMBIA	40.97500	-76.51389	93	OPEN HOLE	20	30	DOMESTIC
92660	GIGER J	1/1/1967		COLUMBIA	40.99333	-76.48972	154	OPEN HOLE	10	90	DOMESTIC
92661	CARL J D	1/1/1967		COLUMBIA	40.97778	-76.50833	89	OPEN HOLE	25	27	DOMESTIC
92662	LITTLE CONST CO	1/1/1967		COLUMBIA	40.98167	-76.49000	195	OPEN HOLE	3	15	DOMESTIC
92663	WOOLRIDGE B	1/1/1967		COLUMBIA	40.98194	-76.48556	43	OPEN HOLE	20	7	DOMESTIC
92664	QUICK K	1/1/1966		COLUMBIA	40.96722	-76.50833	75	OPEN HOLE	25	7	DOMESTIC
92665	CUNNINGHAM H	1/1/1966		COLUMBIA	40.98056	-76.49667	51	OPEN HOLE	15	7	DOMESTIC
92666	LITTLE CONST CO	1/1/1966		COLUMBIA	40.97917	-76.50278	215	OPEN HOLE	40	20	DOMESTIC
92667	BLYER D	1/1/1967		COLUMBIA	40.96389	-76.49444	215	OPEN HOLE	4	60	DOMESTIC
92668	STREATER & SON	1/1/1968		COLUMBIA	40.94861	-76.45611	500	OPEN HOLE	250	12	DOMESTIC
92669	GOSS RAY	1/1/1968		COLUMBIA	40.96806	-76.51389	52	OPEN HOLE	9	15	DOMESTIC
92670	SHARPLESS D	1/1/1968		COLUMBIA	40.95500	-76.48278	395	OPEN HOLE	20		DOMESTIC
92671	FAUST LUTHER	1/1/1966		COLUMBIA	40.94944	-76.47639	86	OPEN HOLE	5		DOMESTIC
92672	YURKOVSKY M	1/1/1966		COLUMBIA	40.98000	-76.47167	41	OPEN HOLE	12	13	DOMESTIC
92673	VAN HORN B	1/1/1967		COLUMBIA	40.98722	-76.48111	52	OPEN HOLE	36	10	DOMESTIC
92674	BARNS L	10/1/1985		COLUMBIA	41.05167	-76.47972	273	OPEN HOLE	3		DOMESTIC
92675	HUNINGER B	7/1/1983		COLUMBIA	41.01417	-76.46639	98	OPEN HOLE	8		DOMESTIC
92676	GREENLEY M	7/1/1981		COLUMBIA	41.07833	-76.49778	123	OPEN HOLE	20		DOMESTIC

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PA WELL ID	OWNER	DATE DRILLED	DRILLING METHOD	COUNTY	LATITUDE	LONGITUDE	WELL DEPTH (ft bgs)	WELL FINISH	WELL YIELD (gpm)	STATIC WATER LEVEL (ft bgs)	WATER USE
92677	KNORR D	4/21/1980		COLUMBIA	41.06139	-76.43889	140		50		DOMESTIC
92679	WELLIVER CARL	1/1/1967		COLUMBIA	41.05333	-76.47111	175	OPEN HOLE	3	25	DOMESTIC
92680	DOYLE C	1/1/1967		COLUMBIA	41.05361	-76.46611	127	OPEN HOLE	10	72	DOMESTIC
92681	FUNK HOWARD	1/1/1967		COLUMBIA	41.07167	-76.47500	127	OPEN HOLE	10	72	DOMESTIC
92682	BROWN F	1/1/1967		COLUMBIA	41.07278	-76.49944	175	OPEN HOLE	3		DOMESTIC
92683	WELLIVER H	1/1/1967		COLUMBIA	41.08000	-76.47722	134	OPEN HOLE	10	71	DOMESTIC
92684	SHANER CARL	1/1/1966		COLUMBIA	41.07556	-76.47056	175	OPEN HOLE	8		DOMESTIC
92685	TURNER C A	1/1/1966		COLUMBIA	41.06000	-76.47028	255	OPEN HOLE	2	67	DOMESTIC
92686	DEWALD ROBERT	1/1/1968		COLUMBIA	41.06806	-76.46944	133	OPEN HOLE	7	65	DOMESTIC
92687	GILBERT HARRY	1/1/1968		COLUMBIA	41.08583	-76.47917	131	OPEN HOLE	10	63	DOMESTIC
92688	HOWELL RAYMOND	1/1/1972		COLUMBIA	41.00972	-76.49000	120	OPEN HOLE	6	20	DOMESTIC
92689	STOUFFER S	11/28/1984		COLUMBIA	41.03778	-76.38167	200	OPEN HOLE	10		DOMESTIC
92690	PADEN R	5/1/1984		COLUMBIA	41.06528	-76.33056	100	OPEN HOLE	30		DOMESTIC
92691	DOHL E	10/9/1983		COLUMBIA	41.08389	-76.33833	150		10		DOMESTIC
92692	CAMBELL E	6/14/1983		COLUMBIA	41.08917	-76.32694	250	OPEN HOLE	5		DOMESTIC
92693	ZENZEL F	7/5/1983		COLUMBIA	41.07750	-76.29444	150	OPEN HOLE	10		DOMESTIC
92694	SEESHOTZ R	11/1/1983		COLUMBIA	41.03972	-76.35500	198	OPEN HOLE	12		DOMESTIC
92695	GENSEMER J	9/1/1983		COLUMBIA	41.04028	-76.41889	298	OPEN HOLE	5		DOMESTIC
92696	MENGLE W	5/6/1981		COLUMBIA	41.07583	-76.32917	150	OPEN HOLE	6		DOMESTIC
92697	HARRIS E	8/1/1980		COLUMBIA	41.07444	-76.35167	173	OPEN HOLE	10		DOMESTIC
92698	LOAR J	8/29/1980		COLUMBIA	41.04028	-76.41889	175	OPEN HOLE	12		DOMESTIC
92699	ATEN S	9/16/1980		COLUMBIA	41.07389	-76.32222	250	OPEN HOLE			DOMESTIC
92700	MARKLE D	9/11/1980		COLUMBIA	41.10750	-76.31083	125	OPEN HOLE			DOMESTIC
92701	PRICE D	7/1/1984		COLUMBIA	41.09639	-76.29611	198	OPEN HOLE	7		DOMESTIC
92702	LEE M	11/1/1982		COLUMBIA	41.04889	-76.40639	148	OPEN HOLE	12		DOMESTIC
92703	HAUGH REV E	1/1/1966		COLUMBIA	41.07194	-76.38444	75	OPEN HOLE	8		DOMESTIC
92704	RABICH JOHN	1/1/1968		COLUMBIA	41.07028	-76.35611	85	OPEN HOLE	5	15	DOMESTIC
92705	WOLFE HOMER	1/1/1968		COLUMBIA	41.07250	-76.34917	40	OPEN HOLE	10	2	DOMESTIC
92706	ECKROTE ROBERT	1/1/1968		COLUMBIA	41.04306	-76.36806	47	OPEN HOLE	20	18	DOMESTIC
92707	MILLER DONALD	1/1/1966		COLUMBIA	41.06611	-76.33278	435	OPEN HOLE	3	5	DOMESTIC
92708	WELLIVER H	1/1/1966		COLUMBIA	41.05250	-76.33278	75	OPEN HOLE	15	18	DOMESTIC
92709	KARCHNER HAROLD	1/1/1973		COLUMBIA	41.07833	-76.35000	100	OPEN HOLE	10		DOMESTIC

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Table 2.3-33 {Groundwater Wells Located within a 25 Mile (40-km) Radius of BBNPP (Listed in Pennsylvania Groundwater Information System)}

PA WELL ID	OWNER	DATE DRILLED	DRILLING METHOD	COUNTY	LATITUDE	LONGITUDE	WELL DEPTH (ft bgs)	WELL FINISH	WELL YIELD (gpm)	STATIC WATER LEVEL (ft bgs)	WATER USE
92710	WOLFINGER HOMES	1/1/1972		COLUMBIA	41.07833	-76.35000	125	OPEN HOLE	8		DOMESTIC
92711	WOLFINGER HOMES	1/1/1972		COLUMBIA	41.07833	-76.35000	150	OPEN HOLE	8		DOMESTIC
92712	DIETTERICK IRA	1/1/1972		COLUMBIA	41.07833	-76.35000	150	OPEN HOLE	10		DOMESTIC
92713	RAKICH JOHN	1/1/1973		COLUMBIA	41.07833	-76.35000	200	OPEN HOLE	10		DOMESTIC
92714	MURTRIE DAVID	1/1/1973		COLUMBIA	41.07278	-76.37250	200	OPEN HOLE	8		DOMESTIC
92715	WILLIAMS J	9/1/1979		COLUMBIA	41.09028	-76.41528	125	OPEN HOLE	7	20	DOMESTIC
92716	LITTLE G	6/1/1982		COLUMBIA	41.04111	-76.42611	41	OPEN HOLE	8		DOMESTIC
92717	LEMONS E	11/11/1982		COLUMBIA	41.06222	-76.42278	300	OPEN HOLE	2		DOMESTIC
92718	WELCH M	8/1/1981		COLUMBIA	41.08833	-76.40833	42	OPEN HOLE	15	12	DOMESTIC
92719	BOWMAN J	5/6/1980		COLUMBIA	41.08972	-76.40889	103	OPEN HOLE	12	4	DOMESTIC
92720	EDWARDS S	9/1/1981		COLUMBIA	41.10944	-76.38444	298	OPEN HOLE	8		DOMESTIC
92721	POTTER L	4/21/1980		COLUMBIA	41.07028	-76.42694	175		16		DOMESTIC
92722	TRAVELPIECE G	11/30/1984		COLUMBIA	41.05806	-76.38722	225	OPEN HOLE	30		DOMESTIC
92724	SORDONI CONSTRU	1/1/1967		COLUMBIA	41.09583	-76.38583	28	OPEN HOLE	30	6	DOMESTIC
92725	CANNON LETHA			COLUMBIA	41.05389	-76.42444	175	OPEN HOLE			DOMESTIC
92726	BROWN CALVIN	1/1/1967		COLUMBIA	41.11444	-76.41944	51	OPEN HOLE	21	12	DOMESTIC
92727	CLEAVER FRED JR	1/1/1968		COLUMBIA	41.10361	-76.37639	47	OPEN HOLE	20	18	DOMESTIC
92728	BLOSSOM DONALD	1/1/1974		COLUMBIA	41.05278	-76.40750	150	OPEN HOLE			DOMESTIC
92729	DILTZ	1/1/1974		COLUMBIA	41.09750	-76.44083	375	OPEN HOLE	4		DOMESTIC
92730	MEADE B	5/1/1984		LYCOMING	41.22500	-76.54889	135	OPEN HOLE	8		DOMESTIC
92731	BROWN H	8/1/1983		COLUMBIA	41.16750	-76.54500	198	OPEN HOLE	5		DOMESTIC
92732	CAIN D	7/1/1980		COLUMBIA	41.18889	-76.50694	200	OPEN HOLE	5	50	DOMESTIC
92733	ADAMS L	11/18/1980		COLUMBIA	41.16889	-76.56417	173	OPEN HOLE	15		DOMESTIC
92734	JENSON K	1/10/1976		COLUMBIA	41.18194	-76.53722	240		10		
92735	GARNER L	3/8/1976		COLUMBIA	41.14417	-76.53389	170		10		
92736	REIGLE G	1/1/1987		COLUMBIA	41.17250	-76.55361	200	SCREEN	6.25		INDUSTRIAL
92737	REIGLE G	1/1/1987		COLUMBIA	41.17250	-76.55333	175	SCREEN	0.25		INDUSTRIAL
92738	REIGLE G	3/1/1987		COLUMBIA	41.17250	-76.55306	81.5	SCREEN	0.25		INDUSTRIAL
92739	REIGLE G	3/1/1987		COLUMBIA	41.17250	-76.55278	63	SCREEN			INDUSTRIAL
92740	REIGLE G	3/1/1987		COLUMBIA	41.17250	-76.55250	150	SCREEN			INDUSTRIAL
92741	REIGLE G	3/1/1987		COLUMBIA	41.17250	-76.55222	54	SCREEN			INDUSTRIAL
92742	REIGLE G	1/1/1987		COLUMBIA	41.17250	-76.55194	125	OPEN HOLE			INDUSTRIAL

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Table 2.3-33 {Groundwater Wells Located within a 25 Mile (40-km) Radius of BBNPP (Listed in Pennsylvania Groundwater Information System)}

PA WELL ID	OWNER	DATE DRILLED	DRILLING METHOD	COUNTY	LATITUDE	LONGITUDE	WELL DEPTH (ft bgs)	WELL FINISH	WELL YIELD (gpm)	STATIC WATER LEVEL (ft bgs)	WATER USE
92743	REIGLE G	1/1/1987		COLUMBIA	41.17250	-76.55167	125	OPEN HOLE	0.25		INDUSTRIAL
92744	REIGLE G	1/1/1987		COLUMBIA	41.17250	-76.55139	200	OPEN HOLE			INDUSTRIAL
92745	REIGLE G	1/1/1987		COLUMBIA	41.17250	-76.55111	200	OPEN HOLE			INDUSTRIAL
92746	REIGLE G	1/1/1987		COLUMBIA	41.17250	-76.55056	200	OPEN HOLE			INDUSTRIAL
92747	REIGLE G	1/1/1987		COLUMBIA	41.17250	-76.55028	143	OPEN HOLE	0.5		INDUSTRIAL
92748	REIGLE G	1/1/1987		COLUMBIA	41.17250	-76.55000	200	OPEN HOLE			INDUSTRIAL
92749	REIGLE G	1/1/1987		COLUMBIA	41.17250	-76.54417	125	OPEN HOLE	0.25		INDUSTRIAL
92750	REIGLE G	1/1/1987		COLUMBIA	41.17250	-76.54944	200	OPEN HOLE			INDUSTRIAL
92751	REIGLE G	1/1/1987		COLUMBIA	41.17250	-76.54917	200	OPEN HOLE			INDUSTRIAL
92752	REIGLE G	1/1/1987		COLUMBIA	41.17250	-76.54889	155	OPEN HOLE			INDUSTRIAL
92753	REIGLE G	1/1/1987		COLUMBIA	41.17250	-76.54861	200	OPEN HOLE			INDUSTRIAL
92754	REIGLE G	1/1/1987		COLUMBIA	41.17250	-76.54833	135	OPEN HOLE	2		INDUSTRIAL
92755	REIGLE G	1/1/1987		COLUMBIA	41.17250	-76.55083	200	OPEN HOLE			INDUSTRIAL
92757	NERQUEST HERMAN	1/1/1967		COLUMBIA	41.12778	-76.54444	175	OPEN HOLE	2	45	DOMESTIC
92758	RYDER S T	1/1/1966		COLUMBIA	41.17583	-76.56611	53	OPEN HOLE	6	15	DOMESTIC
92759	BLASS D	1/1/1966		COLUMBIA	41.16667	-76.56944	395	OPEN HOLE	18	60	DOMESTIC
92760	PINE SUMMIT CHU	1/1/1966		COLUMBIA	41.10278	-76.54083	155	OPEN HOLE	2	60	DOMESTIC
92761	KREISHER H	6/24/1976		COLUMBIA	40.89389	-76.38806	100		5	18	DOMESTIC
92763	MINNICH RAY	1/1/1968		COLUMBIA	40.89917	-76.34500	54	OPEN HOLE	20		DOMESTIC
92764	HOFFMAN	11/18/1985		COLUMBIA	41.01417	-76.43500	400	OPEN HOLE	20		DOMESTIC
92765	SCERBO J	11/1/1981		COLUMBIA	41.02389	-76.42694	198	OPEN HOLE	15		DOMESTIC
92766	WHITMEYER R	3/16/1979		COLUMBIA	41.03278	-76.42806	400		60		
92767	M M INC	6/1/1981		COLUMBIA	41.01417	-76.41778	73	OPEN HOLE	20		INDUSTRIAL
92768	MUSSER E	3/1/1981		COLUMBIA	41.03917	-76.42278	120	OPEN HOLE	6	47	DOMESTIC
92769	BLBG ALLIANCE CHURCH	5/1/1984		COLUMBIA	41.03944	-76.41972	248	OPEN HOLE	6		DOMESTIC
92772	EVERT INC S H	1/1/1967		COLUMBIA	41.00750	-76.42778	55	OPEN HOLE	60	1	DOMESTIC
92773	EVERT S H INC	1/1/1967		COLUMBIA	41.00722	-76.42917	58	OPEN HOLE	15	4	DOMESTIC
92774	MOYER JOHN	1/1/1967		COLUMBIA	41.00917	-76.41167	84	OPEN HOLE	5	10	DOMESTIC
92775	HARTZEL EARL	1/1/1967		COLUMBIA	41.00806	-76.41111	45	OPEN HOLE	24	15	DOMESTIC
92776	HOUGH HAROLD	1/1/1967		COLUMBIA	41.01583	-76.38861	117	OPEN HOLE	7	18	DOMESTIC
92777	MALINERO FRANK	1/1/1967		COLUMBIA	41.03056	-76.42222	395	OPEN HOLE	7	127	DOMESTIC
92778	MAGEE MRS JAMES	1/1/1968		COLUMBIA	41.02667	-76.42222	73	OPEN HOLE	20	55	DOMESTIC

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PA WELL ID	OWNER	DATE DRILLED	DRILLING METHOD	COUNTY	LATITUDE	LONGITUDE	WELL DEPTH (ft bgs)	WELL FINISH	WELL YIELD (gpm)	STATIC WATER LEVEL (ft bgs)	WATER USE
92779	SHUMAN SR J	1/1/1966		COLUMBIA	41.02611	-76.42083	175	OPEN HOLE	8	60	DOMESTIC
92780	LEVAN W S	1/1/1966		COLUMBIA	41.01472	-76.40667	60	OPEN HOLE	20	12	DOMESTIC
92781	LEVAN W S	1/1/1966		COLUMBIA	41.01417	-76.40667	95	OPEN HOLE	5	40	DOMESTIC
92782	DOUBLESTEIN L	1/1/1967		COLUMBIA	41.02556	-76.42000	280	OPEN HOLE	8	60	DOMESTIC
92783	HUTCHISON S DUY	1/1/1968		COLUMBIA	41.02917	-76.42361	186	OPEN HOLE	12	75	DOMESTIC
92784	ROEGNER W	1/1/1968		COLUMBIA	41.03167	-76.42861	44	OPEN HOLE	20	7	DOMESTIC
92785	SNYDER JR J A	1/1/1968		COLUMBIA	41.03417	-76.41833	175	OPEN HOLE	10		DOMESTIC
92786	HAWK ROBERT	1/1/1975		COLUMBIA	41.04250	-76.41528	125	OPEN HOLE	8		DOMESTIC
92787	THOMAS DONALD	1/1/1973		COLUMBIA	41.03444	-76.42333	151	OPEN HOLE	14		DOMESTIC
92788	KNOUSE LEROY	1/1/1972		COLUMBIA	41.01917	-76.43167	105	OPEN HOLE	7		DOMESTIC
92789	HELLER ELWOOD	1/1/1974		COLUMBIA	41.01056	-76.39778	125	OPEN HOLE	7		DOMESTIC
92790	WOLFINGER HOMES	6/19/1984		COLUMBIA	41.00611	-76.41167	125	OPEN HOLE	10		DOMESTIC
92791	DAWSON J	9/1/1982		COLUMBIA	41.03694	-76.49139	173	OPEN HOLE	10		DOMESTIC
92792	CHAPPELL M	5/20/1982		COLUMBIA	41.02500	-76.34361	175	OPEN HOLE	6		DOMESTIC
92793	STEPHENS W	4/10/1985		COLUMBIA	41.02861	-76.34917	125	OPEN HOLE	15		DOMESTIC
92794	SEIPLE T	8/8/1985		COLUMBIA	41.01167	-76.41306	125	OPEN HOLE	20		PUBLIC SUPPLY
92795	MARINO CONSTRUCTION	9/1/1983		COLUMBIA	41.01194	-76.41611	100	OPEN HOLE	30		
92796	LIME RIDGE FIRE CO.	6/1/1981		COLUMBIA	41.02722	-76.34250	98	OPEN HOLE	30		INSTITUTIONAL
92797	MARIANO M	7/1/1980		COLUMBIA	41.03028	-76.34306	123	OPEN HOLE	30		INDUSTRIAL
92798	CAR MAR	11/29/1980		COLUMBIA	41.02944	-76.34028	123	OPEN HOLE	30	28	INDUSTRIAL
92799	MICHAELS J	10/1/1980		COLUMBIA	41.03972	-76.38806	148	OPEN HOLE	6		DOMESTIC
92800	US GEOLOGICAL SURVEY	10/6/1980		COLUMBIA	41.02000	-76.37917	125		25	24	
92801	YORTY T	5/29/1980		COLUMBIA	41.02139	-76.35389	175		9		DOMESTIC
92802	UNGER CARL	1/1/1967		COLUMBIA	41.02583	-76.34167	61	OPEN HOLE	6	20	DOMESTIC
92803	YOUNG GERALD B	1/1/1966		COLUMBIA	41.02639	-76.33750	63	OPEN HOLE	3	15	DOMESTIC
92804	BLOOMSBURG WATE	1/1/1967		COLUMBIA	41.01639	-76.37861	500	OPEN HOLE	60	28	DOMESTIC
92805	VOC-TECH SCHOOL	1/1/1967		COLUMBIA	41.02917	-76.36444	155	OPEN HOLE	40	68	DOMESTIC
92806	H L H PRODUCTS	1/1/1968		COLUMBIA	41.02722	-76.35528	500	OPEN HOLE	218	25	DOMESTIC
92807	NEYHART ROBERT	1/1/1966		COLUMBIA	41.03750	-76.36917	215	OPEN HOLE	15	50	DOMESTIC
92808	HOLDREN ROBERT	1/1/1966		COLUMBIA	41.02417	-76.37333	95	OPEN HOLE	12	1	DOMESTIC
92809	DICK EQUIPMENT	1/1/1966		COLUMBIA	41.02667	-76.37222	95	OPEN HOLE	40		DOMESTIC
92810	BOYER CHARLES	1/1/1966		COLUMBIA	41.04139	-76.34778	415	OPEN HOLE	8	80	DOMESTIC

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92811	HERCULES INC	1/1/1970		COLUMBIA	41.02833	-76.34667	300	OPEN HOLE	155	34	INDUSTRIAL
92812	BROWN C	7/1/1983		COLUMBIA	41.27778	-76.38250	198	OPEN HOLE	8		DOMESTIC
92813	HOLT SAMUEL T	1/1/1967		COLUMBIA	41.30278	-76.39861	68	OPEN HOLE	4	18	DOMESTIC
92814	MYERS J	1/1/1967		COLUMBIA	41.29917	-76.39722	72	OPEN HOLE	8	8	DOMESTIC
92815	STAUFFER ROBERT	1/1/1967		COLUMBIA	41.27361	-76.34861	81	OPEN HOLE	45	7	DOMESTIC
92816	PUTERBAUGH CARL	1/1/1968		COLUMBIA	41.27361	-76.34861	79	OPEN HOLE	15	23	DOMESTIC
127936	LAGANA JIM	8/1/1988		LUZERNE	40.97361	-76.01833	530	OPEN HOLE	50		DOMESTIC
127937	ABALETTA	6/1/1987		LUZERNE	40.93583	-75.97333	500	OPEN HOLE	100		INDUSTRIAL
127938	SHARET WOOD PDS	12/1/1984		LUZERNE	40.93778	-75.98278	140	OPEN HOLE	10	25	INDUSTRIAL
127943	BAKER THOMAS	1/1/1966		LUZERNE	40.94667	-75.96278	100	OPEN HOLE	9	38	DOMESTIC
127944	DEMOTT LARRY	1/1/1966		LUZERNE	40.93861	-75.99083	223	OPEN HOLE	16	40	DOMESTIC
127945	DUBROWSKY MIKE	1/1/1970		LUZERNE	40.94583	-75.97083	144	OPEN HOLE	15	60	DOMESTIC
127946	YACONATZ D	1/1/1968		LUZERNE	40.96917	-75.97750	198	OPEN HOLE	11	100	DOMESTIC
127947	IWANOSKI TOM	4/4/1976		LUZERNE	41.33389	-75.87833	200		6		DOMESTIC
127948	MULLEN MARTY	2/2/1975		LUZERNE	41.32611	-75.89722	200		6	30	DOMESTIC
127949	KACHMAR A	5/26/1982		LUZERNE	41.31722	-75.93611	175	OPEN HOLE	8		DOMESTIC
127950	KROGULSKI J	5/28/1982		LUZERNE	41.31667	-75.93556	165	OPEN HOLE	9		DOMESTIC
127951	WILLIAMS E	6/3/1982		LUZERNE	41.32444	-75.93444	300	OPEN HOLE	9		DOMESTIC
127952	GOMBA J	6/8/1982		LUZERNE	41.31722	-75.93444	225	OPEN HOLE	10		DOMESTIC
127953	KLUBICK	12/1/1988		LUZERNE	41.30750	-75.91333	200	OPEN HOLE	12	30	DOMESTIC
127954	HEFFERNAN HARP	4/1/1989		LUZERNE	41.32111	-75.94750	275	OPEN HOLE	12	40	DOMESTIC
127955	SHETER CRAFT	12/1/1987		LUZERNE	41.30722	-75.91306	600	OPEN HOLE	8		DOMESTIC
127956	SALAVANTIS	8/1/1988		LUZERNE	41.32556	-75.91722	300	OPEN HOLE	15	40	DOMESTIC
127957	DOMBROSKI M	11/1/1988		LUZERNE	41.32528	-75.91833	350	OPEN HOLE	10	35	DOMESTIC
127958		8/1/1988		LUZERNE	41.32111	-75.91583	350	OPEN HOLE	40	35	PUBLIC SUPPLY
127959	JACKSON TED	9/1/1988		LUZERNE	41.33667	-75.91889	250	OPEN HOLE	10		DOMESTIC
127960	DOMBROSKIE M	9/1/1988		LUZERNE	41.32556	-75.91778	350	OPEN HOLE	12	35	DOMESTIC
127961	CHAMBERLIN	9/1/1988		LUZERNE	41.31056	-75.93528	725	OPEN HOLE	1		DOMESTIC
127962	DOMBROSKI	1/1/1989		LUZERNE	41.32389	-75.91944	375	OPEN HOLE	12	45	DOMESTIC
127963	TAMAMIN AL	3/1/1989		LUZERNE	41.15889	-75.91028	275		150		DOMESTIC
127964	MONAGHON G	1/1/1988		LUZERNE	41.35528	-75.88694	275	OPEN HOLE	7	40	DOMESTIC
127965	URBON	10/1/1987		LUZERNE	41.33417	-75.92028	420	OPEN HOLE	3		DOMESTIC

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127966	COVERT	3/1/1988		LUZERNE	41.31528	-75.94111	150	OPEN HOLE	30		DOMESTIC
127967		4/1/1988		LUZERNE	41.32500	-75.91806	300	OPEN HOLE	4	30	DOMESTIC
127968	HARDISKY JOE	6/23/1983		LUZERNE	41.33194	-75.91417	435	OPEN HOLE	6	275	DOMESTIC
127969	TRANCHETTI	7/1/1986		LUZERNE	41.34556	-75.86167	275	OPEN HOLE	7	25	DOMESTIC
127970	NULTON	6/1/1987		LUZERNE	41.33750	-75.99861	275	OPEN HOLE	10		DOMESTIC
127971	ROSS MATT	1/1/1988		LUZERNE	41.33278	-75.91361	400	OPEN HOLE	1.5	50	DOMESTIC
127977	TROUP FUND INC	1/1/1971		LUZERNE	41.32194	-75.94806	335	OPEN HOLE	20		DOMESTIC
127978	TROUP FUND INC	1/1/1971		LUZERNE	41.32194	-75.94806	285	OPEN HOLE	30		DOMESTIC
127979	TROUP FUND INC	1/1/1971		LUZERNE	41.32194	-75.94806	435	OPEN HOLE	20		DOMESTIC
127980	NEWBERRY EST	1/1/1973		LUZERNE	41.32750	-75.95472	450	OPEN HOLE	50	120	DOMESTIC
127981	NEWBERRY EST	1/1/1973		LUZERNE	41.32750	-75.95472	462	OPEN HOLE	70	125	DOMESTIC
127984	ROBERTS FRED	5/1/1987		LUZERNE	41.27306	-75.95389	415	OPEN HOLE	60		DOMESTIC
127985	BULLARO	3/1/1987		LUZERNE	41.36667	-76.03694	175	OPEN HOLE	15	25	DOMESTIC
127986	BERRATINI	10/1/1985		LUZERNE	41.37278	-76.05000	275	OPEN HOLE	12	275	DOMESTIC
127987	KORSHAILA	11/1/1987		LUZERNE	41.37500	-76.04333	300	OPEN HOLE	15		DOMESTIC
127988	SUSCAVAGE PETER	7/18/1983		LUZERNE	41.37139	-76.05250	245	OPEN HOLE	7	115	DOMESTIC
127989	BARBER BILL	10/14/1987		LUZERNE	41.36556	-76.06583	285	OPEN HOLE	9		DOMESTIC
127990	STRUTKO	12/1/1988		LUZERNE	41.36889	-76.03722	200	OPEN HOLE	12	25	DOMESTIC
127991	PA FISH COMMISSION	9/1/1988		LUZERNE	41.35556	-76.05861	150	OPEN HOLE	50	4	PUBLIC SUPPLY
127992	ROYER GARY	5/1/1988		LUZERNE	41.36722	-76.07000	410	OPEN HOLE	2	20	DOMESTIC
127998	GRABKE DOLORES	7/1/1976		LUZERNE	41.18944	-75.72000	250		10		DOMESTIC
128001	ST ELIZABETH CHURCH	12/1/1983		LUZERNE	41.17972	-75.76167	450	OPEN HOLE	15		DOMESTIC
128002	MULLAY F	8/1/1979		LUZERNE	41.19667	-75.81222	200	OPEN HOLE	30	8	DOMESTIC
128003	GAQSHO JOSEPH REV	9/27/1975		LUZERNE	41.20139	-75.78917	300		12	109	DOMESTIC
128004	MOYER PEARL	10/28/1975		LUZERNE	41.19444	-75.78722	300		10	73	DOMESTIC
128005	FITZMAURICE JOHN	10/30/1975		LUZERNE	41.09944	-75.76000	381		100	54	DOMESTIC
128006	HENNING H	3/1/1978		LUZERNE	41.09889	-75.76000	400	OPEN HOLE	45	80	DOMESTIC
128007	TEAGLEY	9/1/1987		LUZERNE	41.17639	-75.75000	200	OPEN HOLE	10		DOMESTIC
128010	SEBASTIAN ENOS	6/1/1988		LUZERNE	41.20250	-75.83083	250	OPEN HOLE	10	25	DOMESTIC
128011	SHILABEER JOHN	4/1/1987		LUZERNE	41.22944	-75.80083	150	OPEN HOLE	15	50	DOMESTIC
128017	ALLEN B			LUZERNE	41.20222	-75.83000	250	OPEN HOLE	10	250	DOMESTIC
128018	WKRZ FM	8/1/1987		LUZERNE	41.19667	-75.81806	500	OPEN HOLE	5		DOMESTIC

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Table 2.3-33 {Groundwater Wells Located within a 25 Mile (40-km) Radius of BBNPP (Listed in Pennsylvania Groundwater Information System)}

PA WELL ID	OWNER	DATE DRILLED	DRILLING METHOD	COUNTY	LATITUDE	LONGITUDE	WELL DEPTH (ft bgs)	WELL FINISH	WELL YIELD (gpm)	STATIC WATER LEVEL (ft bgs)	WATER USE
128019	FAWN SEASON	7/1/1988		LUZERNE	41.22944	-75.73389	400		22		DOMESTIC
128020	HOSEY J	6/1/1985		LUZERNE	41.10722	-75.76778	180	OPEN HOLE	20	15	DOMESTIC
128032	CYBUL CONTR	1/1/1969		LUZERNE	41.19222	-75.78194	210	OPEN HOLE	28	56	DOMESTIC
128033	SCHRADER CONTR	1/1/1969		LUZERNE	41.19306	-75.78306	168	OPEN HOLE	28	34	DOMESTIC
128034	SCHULTZ KURT	1/1/1970		LUZERNE	41.19944	-75.79028	216	OPEN HOLE	20	102	DOMESTIC
128035	PETLOCK ELMER	1/1/1970		LUZERNE	41.19472	-75.80389	151	OPEN HOLE	40	30	DOMESTIC
128036	STEGMILLER CONT	1/1/1970		LUZERNE	41.19417	-75.81000	130	OPEN HOLE	35	13	DOMESTIC
128037	NORTHRUP CONTR	1/1/1970		LUZERNE	41.19444	-75.80556	140	OPEN HOLE	40	25	DOMESTIC
128038	WILLIAMS FRED	1/1/1969		LUZERNE	41.19417	-75.79056	166	OPEN HOLE	20	50	DOMESTIC
128039	AYERS STANLEY	1/1/1969		LUZERNE	41.19583	-75.79139	155	OPEN HOLE	20	78	DOMESTIC
128040	JONES LEE	1/1/1969		LUZERNE	41.19389	-75.78472	131	OPEN HOLE	20	36	DOMESTIC
128041	KOBZIEWICZ S	1/1/1967		LUZERNE	41.19750	-75.79028	200	OPEN HOLE	18	118	DOMESTIC
128042	WHARTON	1/1/1968		LUZERNE	41.19333	-75.78306	164	OPEN HOLE	25	42	DOMESTIC
128043	ACKERMAN	1/1/1968		LUZERNE	41.19833	-75.79028	199	OPEN HOLE	18	117	DOMESTIC
128044	BEHRENS HENRY	1/1/1967		LUZERNE	41.19361	-75.78361	150	OPEN HOLE	30	48	DOMESTIC
128045	ELIAS MIKE	1/1/1967		LUZERNE	41.19417	-75.81056	101	OPEN HOLE	35	8	DOMESTIC
128046	HARVEY JIM	1/1/1967		LUZERNE	41.17611	-75.75472	69	OPEN HOLE	40	6	DOMESTIC
128047	BENKOSKI	1/1/1969		LUZERNE	41.20111	-75.78972	204	OPEN HOLE	20	106	DOMESTIC
128048	LUTHERAN CAMP	1/1/1968		LUZERNE	41.20778	-75.75167	196	OPEN HOLE	30	6	DOMESTIC
128049	PETRUSKI JOHN	1/1/1968		LUZERNE	41.25278	-75.77250	190		30	20	DOMESTIC
128051	DANDELL DAN	1/1/1968		LUZERNE	41.19417	-75.76722	130	OPEN HOLE	35	14	DOMESTIC
128053	GENNARO C	9/1/1982		LUZERNE	40.94556	-76.14500	180	OPEN HOLE	25	40	DOMESTIC
128054	VANBLARGEN L	12/1/1982		LUZERNE	40.97278	-76.18583	140	OPEN HOLE	25	60	DOMESTIC
128055	BROSIOUS M	12/16/1988		LUZERNE	41.00667	-76.16750	150	OPEN HOLE	15		DOMESTIC
128056	LAROCK G	2/10/1988		LUZERNE	40.98583	-76.15583	360	OPEN HOLE	8		DOMESTIC
128057	VALLEY ELEM	10/1/1986		LUZERNE	40.97889	-76.16583	810	OPEN HOLE	15		PUBLIC SUPPLY
128058	ENAMA B	8/1/1986		LUZERNE	40.94000	-76.16833	160	OPEN HOLE	15	22	DOMESTIC
128064	URBAN JOSEPH	1/1/1968		LUZERNE	40.94194	-76.14222	165	OPEN HOLE	10	71	DOMESTIC
128065	GALLAGHER WM	1/1/1969		LUZERNE	40.94111	-76.14389	189	OPEN HOLE	6	100	DOMESTIC
128066	HUTTON JOHN	1/1/1969		LUZERNE	40.93972	-76.14222	83	OPEN HOLE	12	15	DOMESTIC
128067	HOFFMAN ARTHUR	1/1/1969		LUZERNE	40.94083	-76.13972	113	OPEN HOLE	10	52	DOMESTIC
128068	ZAVOLINE FRANK	1/1/1969		LUZERNE	40.98528	-76.03889	234	OPEN HOLE	32	120	DOMESTIC

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128069	LANDIS DAVE	1/1/1970		LUZERNE	40.98833	-76.03944	128	OPEN HOLE	5	40	DOMESTIC
128070	JUREWICZ CHAS A			LUZERNE	41.00250	-76.14306	200	OPEN HOLE	20	50	DOMESTIC
128071	BELOSKO STEVE G			LUZERNE	40.98333	-76.15111	125	OPEN HOLE	25		DOMESTIC
128084	LYDICK D	4/1/1983		LUZERNE	41.02889	-76.00750	240	OPEN HOLE	20	40	DOMESTIC
128085	WELSH D	6/1/1983		LUZERNE	41.01861	-76.00667	240	OPEN HOLE			DOMESTIC
128086	HAUSMAN C	7/1/1983		LUZERNE	41.01556	-76.00389	160	OPEN HOLE	20	50	DOMESTIC
128087	WILLIAMS H	10/1/1981		LUZERNE	41.02889	-76.00611	180	OPEN HOLE	25	25	DOMESTIC
128088	HERITAGE GARDENS	10/1/1981		LUZERNE	41.02778	-76.00500	240	OPEN HOLE	25	30	DOMESTIC
128089	SNYDER C	8/1/1982		LUZERNE	41.01833	-76.01083	200	OPEN HOLE	20	40	DOMESTIC
128090	LUCHI M	9/1/1982		LUZERNE	41.04556	-76.03722	300	OPEN HOLE	20	40	DOMESTIC
128091	SHARP J & WAGNER A	10/1/1981		LUZERNE	41.02833	-76.00667	180	OPEN HOLE	20	80	DOMESTIC
128092	BRIGHTHAUPT C	11/1/1981		LUZERNE	41.02917	-76.02278	220	OPEN HOLE	25	60	DOMESTIC
128093	LUCHI M	3/1/1982		LUZERNE	41.04583	-76.03056	515	OPEN HOLE	20	25	DOMESTIC
128094	BENJAMIN H	3/1/1982		LUZERNE	41.01778	-76.01083	200	OPEN HOLE	20	50	DOMESTIC
128095	LUCHI BUILDERS	6/1/1982		LUZERNE	41.04306	-76.04167	300	OPEN HOLE	25	85	DOMESTIC
128096	JACKSON S	10/1/1980		LUZERNE	41.01333	-76.00056	320	OPEN HOLE		80	DOMESTIC
128097	HAENTJENS R	10/1/1980		LUZERNE	41.01556	-76.00167	220	OPEN HOLE	25	40	DOMESTIC
128098	REIFENBERG H	7/1/1979		LUZERNE	41.02778	-76.00722	140	OPEN HOLE	25	40	DOMESTIC
128099	LUCHI BUILDERS	3/1/1981		LUZERNE	41.05000	-76.02333	498	OPEN HOLE	15	200	DOMESTIC
128100	BENJAMIN H	3/1/1981		LUZERNE	41.02278	-76.01389	200	OPEN HOLE	20	50	DOMESTIC
128101	BENJAMIN H	8/20/1981		LUZERNE	41.02167	-76.01389	473	OPEN HOLE	25	60	DOMESTIC
128102	JONES D	4/1/1978		LUZERNE	41.04444	-76.03556	400	OPEN HOLE	80		DOMESTIC
128103	TERRY	4/1/1978		LUZERNE	41.03750	-76.03889	200	OPEN HOLE	25	50	DOMESTIC
128104	MORRISON R	5/1/1978		LUZERNE	41.02444	-76.03556	120	OPEN HOLE	30	15	DOMESTIC
128105	VALLEY VIEW BUILDERS	5/1/1978		LUZERNE	41.00611	-76.02722	240	OPEN HOLE	20	80	DOMESTIC
128106	VALLEY VIEW BUILDERS	6/1/1978		LUZERNE	41.00611	-76.02667	200	OPEN HOLE	25	50	DOMESTIC
128107	FARMER G	12/1/1978		LUZERNE	41.01611	-76.00444	180	OPEN HOLE	25	25	DOMESTIC
128108	MORRISON R	12/1/1978		LUZERNE	41.04167	-76.04639	260	OPEN HOLE	25	30	DOMESTIC
128109	KIRSCHNER A	9/1/1978		LUZERNE	41.02778	-76.02278	180	OPEN HOLE	25	40	DOMESTIC
128110	ECKROTE R	7/1/1978		LUZERNE	41.03750	-76.04889	200	OPEN HOLE	25	20	DOMESTIC
128111	KARDOWICH WILLIAM A	9/1/1977		LUZERNE	41.00222	-76.03389	200	OPEN HOLE	25	40	DOMESTIC
128112	BRIGHTHAUPT R	2/1/1978		LUZERNE	41.00361	-76.02833	260	OPEN HOLE	30		DOMESTIC

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128113	SYDLO THOMAS	5/18/1974		LUZERNE	41.00111	-76.03500	170	OPEN HOLE		40	DOMESTIC
128114	SYDLO THOMAS	12/8/1972		LUZERNE	41.00556	-76.02556	200	OPEN HOLE	18	50	DOMESTIC
128115	MARCHETTI ROBERT	11/3/1974		LUZERNE	41.02500	-76.00944	95	OPEN HOLE	20	20	DOMESTIC
128116	STROGENICK LEE	8/28/1975		LUZERNE	41.02944	-76.02444	215	OPEN HOLE	40		DOMESTIC
128117	SYDLO THOMAS	8/26/1975		LUZERNE	41.01056	-76.01333	140	OPEN HOLE	20	20	DOMESTIC
128118	SYDLO THOMAS	7/22/1975		LUZERNE	41.01056	-76.01500	155		22	30	DOMESTIC
128119	SYDLO THOMAS	7/15/1975		LUZERNE	41.01056	-76.01528	230		25	25	DOMESTIC
128120	SYDLO THOMAS	4/9/1975		LUZERNE	41.02528	-76.00472	125	OPEN HOLE	25	20	DOMESTIC
128121	MEDNITSKY HY	4/1/1977		LUZERNE	41.01556	-76.00278	140	OPEN HOLE	25	18	DOMESTIC
128122	SOTACK JOSEPH	3/1/1977		LUZERNE	41.03000	-76.00500	160	OPEN HOLE	10		DOMESTIC
128123	HUBBARD JAMES	6/21/1976		LUZERNE	41.02556	-76.03444	155	OPEN HOLE	25	25	DOMESTIC
128124	LABUZ JAMES	5/14/1976		LUZERNE	41.04111	-76.04000	275	OPEN HOLE	6	25	DOMESTIC
128125	COLLINS WILLIAM	4/12/1977		LUZERNE	41.00611	-76.02444	360	OPEN HOLE	25	45	DOMESTIC
128126	SCHELL BARRY	10/27/1975		LUZERNE	41.02667	-76.01333	165	OPEN HOLE	15	45	DOMESTIC
128127	FETTER JOHN J JR	10/8/1975		LUZERNE	41.02722	-76.00611	170	OPEN HOLE	25	40	DOMESTIC
128128	BOND GENNARO MD	7/11/1975		LUZERNE	41.00111	-76.03417	215	OPEN HOLE	25	30	DOMESTIC
128129	MARSILO ROBERT	10/21/1975		LUZERNE	41.02556	-76.00611	110	OPEN HOLE	18	20	DOMESTIC
128130	GEISLER I	6/1/1978		LUZERNE	41.01722	-76.03000	673	OPEN HOLE	20	60	DOMESTIC
128131	BALLIET C	12/1/1980		LUZERNE	41.02889	-76.00278	380	OPEN HOLE	25	100	DOMESTIC
128132	MONKOSKI J	10/1/1980		LUZERNE	41.00778	-76.02056	200	OPEN HOLE	25	50	DOMESTIC
128133	ENERGY CONSERVATION	4/1/1979		LUZERNE	41.04611	-75.95889	180	OPEN HOLE	30	40	DOMESTIC
128134	ELICK J	6/1/1983		LUZERNE	41.01722	-75.94028	160	OPEN HOLE	20	30	DOMESTIC
128135	CASOLE E	7/1/1982		LUZERNE	41.02000	-75.93833	320	OPEN HOLE	25	30	DOMESTIC
128136	ZELENAK J	7/1/1982		LUZERNE	41.03056	-75.98861	280	OPEN HOLE	25	75	DOMESTIC
128137	DEPOALO M	8/1/1982		LUZERNE	41.02722	-75.99278	300	OPEN HOLE	30	30	DOMESTIC
128138	VALLEY HOTEL	8/1/1982		LUZERNE	41.02222	-75.96389	200	OPEN HOLE	20	40	DOMESTIC
128139	TATE F	11/1/1982		LUZERNE	41.01500	-75.94389	160	OPEN HOLE	25	25	DOMESTIC
128140	BLANAR G	9/1/1982		LUZERNE	41.01667	-75.94611	320	OPEN HOLE	20	40	DOMESTIC
128141	GROSSMAN P	6/1/1982		LUZERNE	41.04167	-75.96444	200	OPEN HOLE	20	50	DOMESTIC
128142	LEWIS C	10/1/1981		LUZERNE	41.01333	-75.94611	270	OPEN HOLE	25	60	DOMESTIC
128143	DIETRICH K	8/1/1980		LUZERNE	41.01083	-75.95444	300	OPEN HOLE	25	40	DOMESTIC
128144	DELESE C	3/1/1981		LUZERNE	41.01833	-75.93444	200	OPEN HOLE	30		DOMESTIC

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128145	BROSIOUS F	12/1/1980		LUZERNE	41.01444	-75.94944	250	OPEN HOLE	5	40	DOMESTIC
128146	ROBINSON A	11/1/1980		LUZERNE	41.03000	-75.98333	160	OPEN HOLE	25	20	DOMESTIC
128147	SLACK D	8/1/1980		LUZERNE	41.01583	-75.99556	200	OPEN HOLE	25	30	DOMESTIC
128148	GIOVANNI ASSOCIATES	5/1/1980		LUZERNE	41.01333	-75.98972	200	OPEN HOLE	25	35	DOMESTIC
128149	BARNA M	9/1/1981		LUZERNE	41.02000	-75.91667	260	OPEN HOLE	30	20	DOMESTIC
128150	DEANGELO E	10/1/1981		LUZERNE	41.02917	-75.99944	140	OPEN HOLE	25	35	DOMESTIC
128151	MARTINI A	9/1/1981		LUZERNE	41.02083	-75.97444	340	OPEN HOLE	20	100	DOMESTIC
128152	RUMBLE R	5/1/1981		LUZERNE	41.03889	-75.99667	160	OPEN HOLE	30	4	DOMESTIC
128153	KARPOWICH W	8/1/1978		LUZERNE	41.01111	-75.91333	140	OPEN HOLE	25	30	DOMESTIC
128154	STELMACK T	8/1/1978		LUZERNE	41.01889	-75.92750	220	OPEN HOLE	25	30	DOMESTIC
128155	BARAN B	4/1/1978		LUZERNE	41.01056	-75.91500	200	OPEN HOLE	25	20	DOMESTIC
128156	MARCHETTI R	10/1/1979		LUZERNE	41.04889	-75.99917	180	OPEN HOLE	25	40	DOMESTIC
128157	ECKROTE C	10/1/1981		LUZERNE	41.01944	-75.93667	160	OPEN HOLE	25	30	DOMESTIC
128158	GIOVANNI ASSOCIATES	6/1/1979		LUZERNE	41.01444	-75.99083	140	OPEN HOLE	30	20	DOMESTIC
128159	GIOVANNI ASSOCIATES	9/1/1979		LUZERNE	41.01444	-75.99111	160	OPEN HOLE	30	40	DOMESTIC
128160	ROBIN HOMES	7/1/1979		LUZERNE	41.02000	-75.93389	280	OPEN HOLE	25	30	DOMESTIC
128161	GIOVANNI ASSOCIATES	12/1/1979		LUZERNE	41.01444	-75.99139	140	OPEN HOLE	20	40	DOMESTIC
128162	ROBIN HOMES	7/1/1979		LUZERNE	41.02056	-75.93500	280	OPEN HOLE	30	50	DOMESTIC
128163	GIOVANNI ASSOCIATES	5/1/1980		LUZERNE	41.01444	-75.99000	200	OPEN HOLE	25	40	DOMESTIC
128164	BUTLER VALLEY MANOR	10/1/1980		LUZERNE	41.04889	-75.95722	668	OPEN HOLE	25	100	DOMESTIC
128165	GIOVANNI ASSOCIATES	1/1/1980		LUZERNE	41.01444	-75.99056	160	OPEN HOLE	25	30	DOMESTIC
128166	BALLIET B	1/1/1981		LUZERNE	41.01944	-75.96056	360	OPEN HOLE	20	45	DOMESTIC
128167	WEEKS W	11/1/1980		LUZERNE	41.04417	-75.99944	463	OPEN HOLE	20	50	DOMESTIC
128168	GIOVANNI ASSOCIATES	4/1/1979		LUZERNE	41.01444	-75.99028	160	OPEN HOLE	25	30	DOMESTIC
128169	OSSISS J	11/1/1978		LUZERNE	41.03222	-75.98722	225	OPEN HOLE	6	40	DOMESTIC
128170	EDGEWOOD PINES GOLF	6/7/1979		LUZERNE	41.03778	-75.95833	200	OPEN HOLE	30		PUBLIC SUPPLY
128171	PREISSOCK	5/1/1979		LUZERNE	41.01167	-75.91556	175	OPEN HOLE	73	2	DOMESTIC
128172	KECK D	12/1/1977		LUZERNE	41.00306	-75.99833	180	OPEN HOLE	25		DOMESTIC
128173	DRASHER L	10/1/1977		LUZERNE	41.02694	-75.96111	585	OPEN HOLE	35	80	DOMESTIC
128174	MASO AND SONS	3/1/1978		LUZERNE	41.02250	-75.90500	240	OPEN HOLE	25		DOMESTIC
128175	NOVAK V	10/1/1977		LUZERNE	41.01722	-75.99389	260	OPEN HOLE	25	60	DOMESTIC
128176	MASO AND SONS	4/1/1978		LUZERNE	41.02111	-75.91444	200	OPEN HOLE	20	40	DOMESTIC

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Table 2.3-33 {Groundwater Wells Located within a 25 Mile (40-km) Radius of BBNPP (Listed in Pennsylvania Groundwater Information System)}

PA WELL ID	OWNER	DATE DRILLED	DRILLING METHOD	COUNTY	LATITUDE	LONGITUDE	WELL DEPTH (ft bgs)	WELL FINISH	WELL YIELD (gpm)	STATIC WATER LEVEL (ft bgs)	WATER USE
128177	PROUANZO E	4/1/1978		LUZERNE	41.01778	-75.92722	220	OPEN HOLE	22	100	DOMESTIC
128178	MASO AND SONS	4/1/1978		LUZERNE	41.02056	-75.91917	220	OPEN HOLE			DOMESTIC
128179	DESTEFANO R	3/1/1978		LUZERNE	41.01083	-75.96389	220	OPEN HOLE	30	40	DOMESTIC
128180	KUCK ROB	7/1/1978		LUZERNE	41.03778	-75.97222	120	OPEN HOLE	25	20	DOMESTIC
128181	ORVICK J	7/1/1978		LUZERNE	41.01750	-75.94611	180	OPEN HOLE	30	40	DOMESTIC
128182	BEHM W JR	8/1/1978		LUZERNE	41.00917	-75.95889	200	OPEN HOLE	25	30	DOMESTIC
128183	KOSTANESKY J	7/1/1978		LUZERNE	41.03861	-75.93833	220	OPEN HOLE	25	40	DOMESTIC
128184	GIOVANNI ASSOCIATES	11/1/1977		LUZERNE	41.01667	-75.94611	180	OPEN HOLE	25		DOMESTIC
128185	FAUST WILLIAM	5/11/1979		LUZERNE	41.01583	-75.95750	200	OPEN HOLE	30	15	DOMESTIC
128186	MURPHY O	9/1/1978		LUZERNE	41.02222	-75.91528	160	OPEN HOLE	25	25	DOMESTIC
128187	SACCO R	3/1/1979		LUZERNE	41.01667	-75.94111	260	OPEN HOLE	25	25	DOMESTIC
128188	YENCHA B	9/1/1978		LUZERNE	41.01667	-75.92500	553	OPEN HOLE	25	20	DOMESTIC
128189	POHIDA J	1/1/1979		LUZERNE	41.02167	-75.92222	80	OPEN HOLE	35	20	DOMESTIC
128190	MARCHETT F	12/1/1978		LUZERNE	41.01444	-75.99944	200	OPEN HOLE	25	30	DOMESTIC
128191	NOVAK R	12/1/1978		LUZERNE	41.00778	-75.92028	260	OPEN HOLE	25	40	DOMESTIC
128192	CUNNING J	11/1/1978		LUZERNE	41.02222	-75.92556	200	OPEN HOLE	25	25	DOMESTIC
128193	LUCHI CONSTRUCTION	9/1/1977		LUZERNE	41.05056	-75.95111	160	OPEN HOLE	25	25	DOMESTIC
128194	GIOVANNI ASSOCIATES	8/1/1977		LUZERNE	41.01722	-75.94611	180	OPEN HOLE	30		DOMESTIC
128195	GIOVANNI ASSOCIATES	8/1/1977		LUZERNE	41.01611	-75.94611	200	OPEN HOLE	25		DOMESTIC
128196	MOSES A	10/1/1977		LUZERNE	41.01722	-75.92611	320		25	100	DOMESTIC
128197	KIMMELL E	12/1/1977		LUZERNE	41.01861	-75.94667	320	OPEN HOLE	25	50	DOMESTIC
128198	HAZLE BUILDERS	6/11/1974		LUZERNE	41.03611	-75.96333	110		30		DOMESTIC
128199	MELNICK EDWARD	6/13/1974		LUZERNE	41.01750	-75.94722	155		30	20	DOMESTIC
128200	SCHAFFER THOMAS	11/21/1972		LUZERNE	41.01444	-75.97306	185				DOMESTIC
128201	BACHER ROBERT JR	10/26/1973		LUZERNE	41.00056	-75.99944	200		20	25	DOMESTIC
128202	PETERS ED	10/7/1972		LUZERNE	41.01750	-75.92778	155		18	40	DOMESTIC
128203	LOFSTROM ELNA	11/21/1972		LUZERNE	41.02250	-75.98944	275		18		DOMESTIC
128204	MASHER LEO	1/15/1973		LUZERNE	41.01833	-75.94722	275		18	40	DOMESTIC
128205	POTENCE MIKE JR.	8/28/1975		LUZERNE	41.01000	-75.95944	110		25	20	DOMESTIC
128206	ODONNELL KEVIN	3/18/1975		LUZERNE	41.01833	-75.99167	200		25	40	DOMESTIC
128207	YOURAVITCH VINCENT	3/28/1975		LUZERNE	41.03778	-75.96278	140		30		DOMESTIC
128208	SMITH HOWARD	1/3/1975		LUZERNE	41.03000	-75.99583	110		30	20	DOMESTIC

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Table 2.3-33 {Groundwater Wells Located within a 25 Mile (40-km) Radius of BBNPP (Listed in Pennsylvania Groundwater Information System)}

PA WELL ID	OWNER	DATE DRILLED	DRILLING METHOD	COUNTY	LATITUDE	LONGITUDE	WELL DEPTH (ft bgs)	WELL FINISH	WELL YIELD (gpm)	STATIC WATER LEVEL (ft bgs)	WATER USE
128209	BALLIET WALTER	3/31/1975		LUZERNE	41.02194	-75.99556	260		22	40	DOMESTIC
128210	WOODRING RIGHTER	11/23/1974		LUZERNE	41.03000	-75.99556	110		25	20	DOMESTIC
128211	DELESE MICHAEL	6/3/1977		LUZERNE	41.02056	-75.92417	180		25	30	DOMESTIC
128212	GALETERI SANDY	5/17/1977		LUZERNE	41.01500	-75.94444	140		25	20	DOMESTIC
128213	CHRIS MARK HOMES	5/11/1977		LUZERNE	41.01667	-75.92861	200		25	25	DOMESTIC
128214	LINGLE WILLIAM	4/27/1977		LUZERNE	41.01806	-75.93778	160		25	20	DOMESTIC
128215	MASO AND SONS	3/10/1977		LUZERNE	41.01944	-75.91917	160		20	20	DOMESTIC
128216	VACCARO JOSEPH	2/11/1977		LUZERNE	41.00778	-75.96333	160		20	20	DOMESTIC
128217	CHRIS MARK HOMES	2/1/1977		LUZERNE	41.01611	-75.92917	185		20	40	DOMESTIC
128218	CHRIS MARK HOMES	12/15/1976		LUZERNE	41.01639	-75.92889	170		25	30	DOMESTIC
128219	CHRIS MARK HOMES	1/18/1977		LUZERNE	41.01611	-75.92861	185		25	40	DOMESTIC
128220	SHEAMAN WILLIAM	8/20/1976		LUZERNE	41.03111	-75.98833	200		25	35	DOMESTIC
128221	DINSMORE ROBERT	8/16/1976		LUZERNE	41.02889	-75.99444	95		25	20	DOMESTIC
128222	BONOMO THOMAS	8/16/1976		LUZERNE	41.01833	-75.92722	230		22	40	DOMESTIC
128223	BONITTLE JAMES	7/30/1976		LUZERNE	41.01944	-75.94722	170		20	20	DOMESTIC
128224	KOLBECK JOHN	4/5/1976		LUZERNE	41.02083	-75.98250	200		20	40	DOMESTIC
128225	SCALISE THOMAS	1/15/1976		LUZERNE	41.01750	-75.94611	155		35		DOMESTIC
128226	SDIKA LEO	11/29/1975		LUZERNE	41.00917	-75.96278	140		25	20	DOMESTIC
128227	OPIARY THOMAS	1/2/1976		LUZERNE	41.05833	-75.95333	170		25	30	DOMESTIC
128228	YEAGLEY C E	1/1/1977		LUZERNE	41.07389	-75.95889	180		30	20	DOMESTIC
128229	SKUBA R	9/1/1977		LUZERNE	41.02500	-75.99083	463	OPEN HOLE	30	30	DOMESTIC
128230	KEPPING H SR	10/1/1978		LUZERNE	41.00278	-75.99611	400	OPEN HOLE	25	50	DOMESTIC
128231	MARINOCK D	10/1/1978		LUZERNE	41.01611	-75.99611	220	OPEN HOLE	25		DOMESTIC
128232	KOBZA E	3/1/1979		LUZERNE	41.04111	-75.95667	180	OPEN HOLE	25	20	PUBLIC SUPPLY
128233	MASO AND SONS	6/1/1983		LUZERNE	41.02056	-75.92000	140	OPEN HOLE	18	20	DOMESTIC
128234	CUTRAFELLO	6/1/1979		LUZERNE	40.97444	-76.05056	270	OPEN HOLE	20	50	DOMESTIC
128235	POZNIAK	6/1/1979		LUZERNE	40.97444	-76.05028	290	OPEN HOLE	15	60	DOMESTIC
128236	UREMOUITCH	3/1/1989		LUZERNE	41.04167	-75.96333	200	OPEN HOLE	10		DOMESTIC
128237	GOVES K	1/1/1989		LUZERNE	41.05750	-75.96556	220	OPEN HOLE	15	50	DOMESTIC
128238	LONZINSKI	3/1/1989		LUZERNE	41.04028	-75.97694	95	OPEN HOLE	20	10	DOMESTIC
128239	KISENWEATHER B	12/1/1988		LUZERNE	41.05444	-75.96111	220	OPEN HOLE	30	36	DOMESTIC
128240	ENERGY TECHNOLIGIES	1/1/1989		LUZERNE	41.05500	-75.96028	300	OPEN HOLE	15	30	DOMESTIC

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Table 2.3-33 {Groundwater Wells Located within a 25 Mile (40-km) Radius of BBNPP (Listed in Pennsylvania Groundwater Information System)}

PA WELL ID	OWNER	DATE DRILLED	DRILLING METHOD	COUNTY	LATITUDE	LONGITUDE	WELL DEPTH (ft bgs)	WELL FINISH	WELL YIELD (gpm)	STATIC WATER LEVEL (ft bgs)	WATER USE
128241	BILLIG B	10/1/1988		LUZERNE	41.01750	-75.99944	300	OPEN HOLE	25	50	DOMESTIC
128242	PALKO L	6/1/1988		LUZERNE	41.03167	-75.98528	240	OPEN HOLE	25	60	DOMESTIC
128243	LUCHI HOMES	3/10/1988		LUZERNE	41.04833	-76.01944	400	OPEN HOLE	2		DOMESTIC
128244		4/1/1988		LUZERNE	41.01667	-75.93917	250	OPEN HOLE	5		DOMESTIC
128245	MEDICAL TRANSPORT	3/1/1988		LUZERNE	41.02000	-75.99583	360	OPEN HOLE	20	35	INDUSTRIAL
128246	WOOD R	11/1/1987		LUZERNE	41.02056	-75.93722	440	OPEN HOLE	15	80	DOMESTIC
128247	BREDBENNER C	11/1/1987		LUZERNE	41.02417	-75.99250	260	OPEN HOLE	50	60	DOMESTIC
128248	ESPOSITO J	2/1/1988		LUZERNE	41.02167	-75.97972	300	OPEN HOLE	20	60	DOMESTIC
128249	TANCIN G	9/1/1987		LUZERNE	41.01778	-75.91750	360	OPEN HOLE	15	70	DOMESTIC
128250	KISENWEATHER B	8/1/1987		LUZERNE	41.04917	-75.95750		OPEN HOLE	10	70	DOMESTIC
128251	JAIS B	7/1/1987		LUZERNE	41.02056	-76.03556	200	OPEN HOLE	25	25	DOMESTIC
128252	FRIENDSHIP INN	11/1/1986		LUZERNE	41.05750	-75.96361	300	OPEN HOLE	35		PUBLIC SUPPLY
128253	YARASZ STANLEY	11/1/1986		LUZERNE	41.01778	-75.93694	300	OPEN HOLE	10	20	DOMESTIC
128254	GEORGE D	5/1/1986		LUZERNE	41.03306	-75.96167	250	OPEN HOLE	20	25	DOMESTIC
128255	ADAMCZYR A	12/1/1986		LUZERNE	41.03778	-76.03944	200	OPEN HOLE	15	40	DOMESTIC
128256	CRAWFORD	3/1/1987		LUZERNE	41.01889	-75.97778	160	OPEN HOLE	20	26	DOMESTIC
128257	SMITH W	8/1/1986		LUZERNE	41.03444	-75.97389	120	OPEN HOLE	20	20	DOMESTIC
128258	COOK J	7/1/1986		LUZERNE	41.03528	-75.97306	300	OPEN HOLE	8	60	DOMESTIC
128259	EVANCHO G	7/1/1986		LUZERNE	41.01806	-75.99667	160	OPEN HOLE	20	20	DOMESTIC
128260	MASO C	11/1/1985		LUZERNE	41.03083	-75.91750	220	OPEN HOLE	14	50	DOMESTIC
128261	STREIT D	11/1/1985		LUZERNE	41.03083	-75.95083	180	OPEN HOLE	20	20	DOMESTIC
128262	GLEIM E	8/1/1985		LUZERNE	41.03333	-76.01833	180	OPEN HOLE	150	10	DOMESTIC
128263	MASU C	10/1/1985		LUZERNE	41.01750	-75.92028	380	OPEN HOLE	3	60	DOMESTIC
128264	MISTAL D	10/1/1985		LUZERNE	41.00778	-75.97000	160	OPEN HOLE	15	28	DOMESTIC
128265	ORBACH J	10/1/1985		LUZERNE	41.02444	-75.98917	82	OPEN HOLE	25	40	DOMESTIC
128266	LUCHI M	8/1/1985		LUZERNE	41.00722	-75.96583	160	OPEN HOLE	25	15	DOMESTIC
128267	MASCARD	7/1/1985		LUZERNE	41.03861	-76.03667	160	OPEN HOLE	12	60	DOMESTIC
128268	SWIRE W	7/1/1985		LUZERNE	41.01222	-76.02000	160	OPEN HOLE	20	30	DOMESTIC
128269	LODERHOSE J	7/1/1985		LUZERNE	41.00889	-76.02000	200	OPEN HOLE	20	30	DOMESTIC
128270	HODA R	7/1/1985		LUZERNE	41.04000	-76.01667	100	OPEN HOLE	60	6	DOMESTIC
128271	WEAVERS AUTO S.	11/12/1984		LUZERNE	41.01194	-76.04028	300	OPEN HOLE	2		DOMESTIC
128272	CRAWFORD R	5/1/1985		LUZERNE	41.01806	-76.00778	300	OPEN HOLE	15	45	DOMESTIC

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Table 2.3-33 {Groundwater Wells Located within a 25 Mile (40-km) Radius of BBNPP (Listed in Pennsylvania Groundwater Information System)}

PA WELL ID	OWNER	DATE DRILLED	DRILLING METHOD	COUNTY	LATITUDE	LONGITUDE	WELL DEPTH (ft bgs)	WELL FINISH	WELL YIELD (gpm)	STATIC WATER LEVEL (ft bgs)	WATER USE
128273	BITTENBENDER KELSHAW	2/1/1985		LUZERNE	41.02417	-75.99944	280	OPEN HOLE	12	40	DOMESTIC
128274	LUCHI M	8/1/1984		LUZERNE	41.04361	-76.02111	200	OPEN HOLE	15	45	DOMESTIC
128275	PAPINSICK A	12/1/1984		LUZERNE	41.00889	-76.05389	180	OPEN HOLE	22	50	DOMESTIC
128276	POLK H	12/1/1984		LUZERNE	41.03472	-76.03389	280	OPEN HOLE	10	90	DOMESTIC
128277	DRUMHELLER R	7/1/1985		LUZERNE	41.05417	-75.95583	200	OPEN HOLE	6	60	DOMESTIC
128278	HALDERMAN G	4/1/1987		LUZERNE	41.05750	-75.96667	510	OPEN HOLE	4	80	DOMESTIC
128279	GOIDA L	6/1/1985		LUZERNE	41.05528	-76.01972	412	OPEN HOLE	6	60	DOMESTIC
128280	SCHOTT P	5/1/1985		LUZERNE	41.03528	-76.01333	200	OPEN HOLE	15	40	DOMESTIC
128281	KALINOVICH J	5/1/1985		LUZERNE	41.03556	-76.01333	220	OPEN HOLE	15	40	DOMESTIC
128282	DILULLO G	4/1/1985		LUZERNE	41.01583	-75.95750	200	OPEN HOLE	30	40	DOMESTIC
128283	ALLEGRETTO T	12/1/1984		LUZERNE	41.01583	-75.94833	300	OPEN HOLE	10	60	DOMESTIC
128284	CORTEZE J	5/1/1984		LUZERNE	41.01917	-75.95889	300	OPEN HOLE	20	80	DOMESTIC
128285	JOSEPH M	10/1/1984		LUZERNE	41.03917	-75.95833	160	OPEN HOLE	15	20	DOMESTIC
128286	LUCHI M	10/1/1984		LUZERNE	41.04278	-76.02083	280	OPEN HOLE	15	50	DOMESTIC
128287	WALP R	10/1/1984		LUZERNE	41.02028	-75.98722	220	OPEN HOLE	15	40	DOMESTIC
128288	GOOD SHEPARD CHURCH	7/27/1984		LUZERNE	41.01417	-75.96667	360	OPEN HOLE	50		PUBLIC SUPPLY
128289	GOOD SHEPARD CHURCH	7/30/1984		LUZERNE	41.00694	-75.96833	380	OPEN HOLE	60	50	PUBLIC SUPPLY
128290	GOOD SHEPARD CHURCH	7/28/1984		LUZERNE	41.01472	-75.96833	360	OPEN HOLE	50	40	PUBLIC SUPPLY
128291	CASPER R	6/5/1984		LUZERNE	41.03222	-75.98000	300	OPEN HOLE	15	100	DOMESTIC
128292	WASHINSKY	3/15/1984		LUZERNE	41.02472	-75.97250	470	OPEN HOLE	25	80	DOMESTIC
128293	BARLETTA A	8/1/1984		LUZERNE	41.04250	-75.95333	85	OPEN HOLE	20	10	DOMESTIC
128294	CORDING DAVID	2/10/1989		LUZERNE	41.04889	-75.95417		OPEN HOLE	15	125	DOMESTIC
128295	BEECH MT	10/1/1987		LUZERNE	41.05056	-75.94333	340	OPEN HOLE	15	25	DOMESTIC
128296	DELECROSE J	8/1/1988		LUZERNE	41.03778	-76.01917	220	OPEN HOLE	15	40	DOMESTIC
128297	CRAWFORD B	11/1/1987		LUZERNE	41.06583	-75.95528	200	OPEN HOLE	15	30	DOMESTIC
128298		11/1/1988		LUZERNE	41.03278	-75.96222	275	OPEN HOLE	7	25	DOMESTIC
128336	VISINTAN ADOLPH	1/1/1968		LUZERNE	41.00694	-75.97056	103	OPEN HOLE	9	50	DOMESTIC
128337	BETTRAUIR LARRY	1/1/1968		LUZERNE	41.00028	-75.97194	138	OPEN HOLE	40	40	DOMESTIC
128338	VISINTOINER L	1/1/1971		LUZERNE	41.00639	-75.97000	98	OPEN HOLE	12	16	DOMESTIC
128339	STAGE COACH INN	1/1/1970		LUZERNE	41.05417	-75.96278	129	OPEN HOLE	32	8	DOMESTIC
128340	SPERANOZA TONY	1/1/1970		LUZERNE	41.00250	-75.97361	113	OPEN HOLE	12	25	DOMESTIC
128341	WEISINGER N	1/1/1970		LUZERNE	41.04778	-75.95694	113	OPEN HOLE	8	36	DOMESTIC

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PA WELL ID	OWNER	DATE DRILLED	DRILLING METHOD	COUNTY	LATITUDE	LONGITUDE	WELL DEPTH (ft bgs)	WELL FINISH	WELL YIELD (gpm)	STATIC WATER LEVEL (ft bgs)	WATER USE
128342	SABO CONST	1/1/1973		LUZERNE	41.01667	-75.94444	150	OPEN HOLE	20	50	DOMESTIC
128343	KRIEGES JAMES J	1/1/1968		LUZERNE	41.05778	-75.95444	118	OPEN HOLE	10	30	DOMESTIC
128344	LEWIS R	8/1/1977		LUZERNE	41.12889	-76.09083	345	OPEN HOLE	3	50	DOMESTIC
128345	HERRING DOROTHY	7/24/1978		LUZERNE	41.13083	-76.10417	250			20	DOMESTIC
128346	SPAIDE H	10/1/1982		LUZERNE	41.09333	-76.10389	160	OPEN HOLE	25	10	DOMESTIC
128347	PIZIA	4/1/1989		LUZERNE	41.10889	-76.07444	250	OPEN HOLE	10	25	DOMESTIC
128348	PIZIA	3/1/1989		LUZERNE	41.11000	-76.07444	240	OPEN HOLE	35	20	DOMESTIC
128349	DUSKOSKY	12/1/1987		LUZERNE	41.11750	-76.11194	250	OPEN HOLE	6		DOMESTIC
128350	UTILITY ENGINEERS	11/1/1985		LUZERNE	41.14222	-76.13111	603	OPEN HOLE	25	27	PUBLIC SUPPLY
128351	PLISH C	10/13/1983		LUZERNE	41.13417	-76.08639	225	OPEN HOLE	10	30	PUBLIC SUPPLY
128352	BECK P	9/1/1983		LUZERNE	41.12833	-76.12639	175	OPEN HOLE	15	20	DOMESTIC
128356	FREELAND WATER			LUZERNE	41.01750	-75.89222	203	OPEN HOLE	200	21	PUBLIC SUPPLY
128357	MACANAQUA WATER	1/1/1967		LUZERNE	41.14194	-76.13167	307	OPEN HOLE	75	15	PUBLIC SUPPLY
128358	READLER HOYT	1/1/1966		LUZERNE	41.14111	-76.13833	217	OPEN HOLE	3	24	DOMESTIC
128359	CLEMSON JOE	4/4/1974		LUZERNE	41.32111	-75.95667	350		5	26	DOMESTIC
128360	PADAVAN TOM	10/12/1987		LUZERNE	41.34917	-75.96000	265	OPEN HOLE	30		DOMESTIC
128361	BEIER FRANK	4/14/1988		LUZERNE	41.34861	-75.92833	347	OPEN HOLE	5		DOMESTIC
128362	CHINESE ED	4/12/1988		LUZERNE	41.34306	-75.92833	147	OPEN HOLE	30		DOMESTIC
128363	DOMBROSKI MICHAEL	3/1/1987		LUZERNE	41.37194	-75.94389	175	OPEN HOLE	30	60	DOMESTIC
128364	MATTIOLI PETE	8/20/1986		LUZERNE	41.35417	-75.93417	220	OPEN HOLE	20	120	DOMESTIC
128365	SCANTE JOHN	4/18/1980		LUZERNE	41.32278	-75.97111	286	OPEN HOLE	15	50	DOMESTIC
128366	HADDLE B	7/1/1988		LUZERNE	41.37722	-75.98583	225	OPEN HOLE	18	120	DOMESTIC
128367	ELITCHKO W	10/1/1988		LUZERNE	41.34556	-75.94389	150	OPEN HOLE	20	20	DOMESTIC
128368	SHEPARD DAVE	12/1/1988		LUZERNE	41.31944	-75.96056	400	OPEN HOLE	4	25	DOMESTIC
128385	NATONA MILLS			LUZERNE	41.34028	-75.97833	500	OPEN HOLE	85		PUBLIC SUPPLY
128386	NATONA MILLS			LUZERNE	41.34000	-75.97611	493	OPEN HOLE			PUBLIC SUPPLY
128387	NEWCOMB JOS	1/1/1967		LUZERNE	41.33750	-75.98861	146	OPEN HOLE	20	78	DOMESTIC
128388	OSTRUM WM	1/1/1967		LUZERNE	41.33194	-75.94333	149	OPEN HOLE	20	12	DOMESTIC
128389	WENTZEL FRANCIS	1/1/1968		LUZERNE	41.34639	-76.01944	238	OPEN HOLE	16	87	DOMESTIC
128390	NEWBERRY EST	1/1/1970		LUZERNE	41.32750	-75.95472	300	OPEN HOLE	30	129	DOMESTIC
128391	HAYWARD J L	1/1/1966		LUZERNE	41.36250	-76.00361	207	OPEN HOLE	35	13	DOMESTIC
128392	RAUDENBUSH R	11/1/1982		LUZERNE	41.06917	-75.77389	200	OPEN HOLE	30	40	DOMESTIC

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Table 2.3-33 {Groundwater Wells Located within a 25 Mile (40-km) Radius of BBNPP (Listed in Pennsylvania Groundwater Information System)}

PA WELL ID	OWNER	DATE DRILLED	DRILLING METHOD	COUNTY	LATITUDE	LONGITUDE	WELL DEPTH (ft bgs)	WELL FINISH	WELL YIELD (gpm)	STATIC WATER LEVEL (ft bgs)	WATER USE
128393	MURPHY KARL	7/25/1977		LUZERNE	41.10278	-75.77944	180		30	30	DOMESTIC
128394	STORTZ W	8/1/1977		LUZERNE	41.08944	-75.77333	180	OPEN HOLE	25	20	DOMESTIC
128395	PERUCHETTI PETER	5/1/1977		LUZERNE	41.04278	-75.79778	140		25	30	DOMESTIC
128396	JAKACKI ZIGMUND	9/26/1976		LUZERNE	41.08222	-75.77444	95		50		DOMESTIC
128397	RICKERT RICK	12/1/1988		LUZERNE	41.09917	-75.79111	225	OPEN HOLE	12	25	DOMESTIC
128398	YERMEL AL	8/1/1988		LUZERNE	41.08444	-75.80389	400	OPEN HOLE	3	25	DOMESTIC
128399	WOODS GEORGE	7/1/1988		LUZERNE	41.11139	-75.77361	535	OPEN HOLE	6	45	DOMESTIC
128400	YARMEY D	4/1/1986		LUZERNE	41.07056	-75.77417	300	OPEN HOLE	6	300	DOMESTIC
128401	JARRICK J	3/1/1985		LUZERNE	41.10500	-75.79528	300	OPEN HOLE	8	25	DOMESTIC
128402	SHINLOCK G	6/1/1984		LUZERNE	41.08972	-75.81472	420	OPEN HOLE	3	30	DOMESTIC
128403	YEAGER E	4/1/1985		LUZERNE	41.10056	-75.79028	190	OPEN HOLE	25	30	DOMESTIC
128404	RICE G	7/1/1983		LUZERNE	41.09750	-75.79000	175	OPEN HOLE	10	40	DOMESTIC
128405	WEAVER C	3/1/1984		LUZERNE	41.08000	-75.79222	250	OPEN HOLE	5	25	DOMESTIC
128406	HASINGER J	7/1/1983		LUZERNE	41.09500	-75.77667	225	OPEN HOLE	8	15	DOMESTIC
128407	DRENNER J	11/1/1983		LUZERNE	41.10278	-75.85833	200	OPEN HOLE	15	20	DOMESTIC
128408	JONES A	10/1/1985		LUZERNE	41.10833	-75.79694	225	OPEN HOLE	12	225	DOMESTIC
128409	MOZITIS J	10/1/1986		LUZERNE	41.11167	-75.77250	320	OPEN HOLE	20	40	DOMESTIC
128432	WASILESKI AL	1/1/1968		LUZERNE	41.11917	-75.81083	143	OPEN HOLE	12	50	DOMESTIC
128433	CARINGER L	11/1/1982		LUZERNE	41.09722	-75.95778	225	OPEN HOLE	12	20	DOMESTIC
128434	BUCHOLZ A	5/1/1982		LUZERNE	41.09667	-75.94778	465	OPEN HOLE	15	50	DOMESTIC
128435	BELANCHIK G	8/1/1981		LUZERNE	41.08667	-75.97500	200	OPEN HOLE	15	20	DOMESTIC
128436	GUZIK R	10/1/1977		LUZERNE	41.11111	-75.95861	220	OPEN HOLE	20	30	DOMESTIC
128437	MAHON J	3/1/1981		LUZERNE	41.09833	-75.94333	220	OPEN HOLE	25	60	DOMESTIC
128438	KARINSKI JOSEPH	8/10/1978		LUZERNE	41.09667	-75.94500	360		4	25	DOMESTIC
128439	BURKE B	10/1/1979		LUZERNE	41.08000	-75.99667	335	OPEN HOLE	2	25	DOMESTIC
128440	J L TURNER COMPANY	9/16/1977		LUZERNE	41.08722	-75.96056	260		200		INDUSTRIAL
128441	BRANDO M	2/1/1982		LUZERNE	41.08333	-75.99722	200	OPEN HOLE	15	40	DOMESTIC
128442	EROH MARVIN	11/30/1974		LUZERNE	41.07278	-75.99694	175		8	22	DOMESTIC
128443	EBERT L	10/1/1981		LUZERNE	41.06944	-76.03889	300	OPEN HOLE	1	3	DOMESTIC
128444	THOMA JIM	9/29/1978		LUZERNE	41.09389	-76.00778	300		1.5	15	DOMESTIC
128445	EIGENBROD B	7/1/1979		LUZERNE	41.09889	-76.00389	200	OPEN HOLE	10		DOMESTIC
128446	RINEHIMER SAM	9/15/1978		LUZERNE	41.12500	-76.02056	90		5	30	DOMESTIC

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Table 2.3-33 {Groundwater Wells Located within a 25 Mile (40-km) Radius of BBNPP (Listed in Pennsylvania Groundwater Information System)}

PA WELL ID	OWNER	DATE DRILLED	DRILLING METHOD	COUNTY	LATITUDE	LONGITUDE	WELL DEPTH (ft bgs)	WELL FINISH	WELL YIELD (gpm)	STATIC WATER LEVEL (ft bgs)	WATER USE
128447	FENSTERMACHER F	3/1/1982		LUZERNE	41.13000	-76.00944	275	OPEN HOLE	4	15	DOMESTIC
128448	GIARATANO JOHN	11/5/1978		LUZERNE	41.13111	-75.99917	200		8	18	DOMESTIC
128449	ANDRESS WARD	12/1/1988		LUZERNE	41.09778	-76.00750	400	OPEN HOLE	1	40	DOMESTIC
128450	RICHARDSON GLENN	2/1/1989		LUZERNE	41.07083	-75.98861	275	OPEN HOLE	4	30	DOMESTIC
128451	LAMANNA	2/1/1989		LUZERNE	41.07833	-76.04500	400	OPEN HOLE	1.5	20	DOMESTIC
128452	ANDRESS WARD	8/1/1988		LUZERNE	41.11083	-76.02111	450	OPEN HOLE	1	35	DOMESTIC
128453	LEONARD LINDA	2/1/1989		LUZERNE	41.11389	-75.98472	225	OPEN HOLE	5.5	30	DOMESTIC
128454	HENRY HARRY	10/1/1988		LUZERNE	41.11167	-75.98806	275	OPEN HOLE	25	20	DOMESTIC
128455	COLE L	9/1/1988		LUZERNE	41.10667	-75.96444	300	OPEN HOLE	15	60	DOMESTIC
128456	SAFKO RUTH	10/1/1987		LUZERNE	41.08667	-76.00722	250	OPEN HOLE	15		DOMESTIC
128457	LASASKY KEN	10/1/1987		LUZERNE	41.11778	-76.02778	275	OPEN HOLE	5		DOMESTIC
128458	COOPER JIM	8/1/1987		LUZERNE	41.11333	-75.98472	200	OPEN HOLE	10		DOMESTIC
128459	RINEHIMER ED	12/1/1987		LUZERNE	41.11222	-75.98944	250	OPEN HOLE	7		DOMESTIC
128460	ZIESKE LARRY	4/1/1988		LUZERNE	41.11444	-76.02806	300	OPEN HOLE	3	40	DOMESTIC
128461	LUTZ ART	9/1/1986		LUZERNE	41.10194	-76.00639	100	OPEN HOLE	4	15	DOMESTIC
128462	GENELOW	12/1/1986		LUZERNE	41.11833	-76.03167	250	OPEN HOLE	6	20	DOMESTIC
128463	PAGAN MANNY	1/1/1988		LUZERNE	41.11222	-76.02250	275	OPEN HOLE	30		DOMESTIC
128464	SMITH C	1/1/1985		LUZERNE	41.12694	-75.98556	405	OPEN HOLE	1	25	DOMESTIC
128465	FENSTERMACHER B	2/1/1987		LUZERNE	41.10944	-76.01056	300	OPEN HOLE	2.5		DOMESTIC
128466	PAISLEY	1/1/1987		LUZERNE	41.11444	-76.02083	275	OPEN HOLE	15		DOMESTIC
128467	PAWLOWSKI BERNICE	2/1/1988		LUZERNE	41.08417	-75.99417	280	OPEN HOLE	20		DOMESTIC
128468	JECKELL WAYNE	3/1/1988		LUZERNE	41.08167	-75.99528	250	OPEN HOLE	8		DOMESTIC
128469	GIRLOCK	3/1/1988		LUZERNE	41.10611	-75.95778	225	OPEN HOLE	15		DOMESTIC
128470	EVANCHO ANDY	8/1/1987		LUZERNE	41.09778	-76.00222	315	OPEN HOLE	2		DOMESTIC
128471	KLEPACZ JOE	9/1/1987		LUZERNE	41.07889	-75.99389	300	OPEN HOLE	4		DOMESTIC
128472	MAGDA MARK	4/1/1988		LUZERNE	41.13083	-76.00639	275	OPEN HOLE	12	40	DOMESTIC
128473	CYBULSKI PAUL	2/1/1988		LUZERNE	41.09111	-76.00056	250	OPEN HOLE	12		DOMESTIC
128474	KOKINDA	2/1/1988		LUZERNE	41.08583	-76.00722	240	OPEN HOLE	20		DOMESTIC
128475	BIGGS	2/1/1988		LUZERNE	41.09889	-76.01528	450	OPEN HOLE	1		DOMESTIC
128476	HILINSKI	5/1/1986		LUZERNE	41.13389	-75.97333	360	OPEN HOLE	10	30	DOMESTIC
128477	ANDRESS W	3/1/1987		LUZERNE	41.09444	-76.00833	270	OPEN HOLE	20	30	DOMESTIC
128478	EMMANUEL	3/1/1987		LUZERNE	41.09778	-76.00389	405	OPEN HOLE	3	40	PUBLIC SUPPLY

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PA WELL ID	OWNER	DATE DRILLED	DRILLING METHOD	COUNTY	LATITUDE	LONGITUDE	WELL DEPTH (ft bgs)	WELL FINISH	WELL YIELD (gpm)	STATIC WATER LEVEL (ft bgs)	WATER USE
128479	BROZOWSKI	8/1/1986		LUZERNE	41.10500	-75.96861	200	OPEN HOLE	20	20	DOMESTIC
128480	PARKS	7/1/1986		LUZERNE	41.09750	-76.02083	175	OPEN HOLE	25	25	DOMESTIC
128481	BROGINSKI SIMON	7/1/1986		LUZERNE	41.09250	-76.00056	450	OPEN HOLE		50	DOMESTIC
128482	REED	10/1/1986		LUZERNE	41.08194	-75.99917	200	OPEN HOLE	10	25	DOMESTIC
128483	ANDRESS DONALD	9/1/1986		LUZERNE	41.10417	-76.00917	405	OPEN HOLE	2	20	DOMESTIC
128484	WALTERS	8/1/1986		LUZERNE	41.09444	-75.96167	300	OPEN HOLE	3	30	DOMESTIC
128485	WITINSKI	1/1/1987		LUZERNE	41.13667	-75.98556	300	OPEN HOLE	15		DOMESTIC
128486	JONES T	2/1/1987		LUZERNE	41.07667	-76.02250	300	OPEN HOLE	15		DOMESTIC
128487	DACHES	2/1/1987		LUZERNE	41.07444	-75.98972	250	OPEN HOLE	20		DOMESTIC
128488	THOMAS GLENN	7/1/1986		LUZERNE	41.12472	-76.03000	200	OPEN HOLE	12	20	DOMESTIC
128489	PAWLAWSKI A	1/1/1987		LUZERNE	41.07556	-75.97806	200	OPEN HOLE	7		DOMESTIC
128490	GUZICK	7/1/1985		LUZERNE	41.09167	-76.03778	200	OPEN HOLE	10	40	DOMESTIC
128491	ENGLER C	12/1/1985		LUZERNE	41.13000	-76.00028	270	OPEN HOLE	40	270	DOMESTIC
128492	WODVER B	11/1/1985		LUZERNE	41.14167	-75.97389	160	OPEN HOLE	50	160	DOMESTIC
128493	STEIN S	7/1/1985		LUZERNE	41.06417	-76.01333	275	OPEN HOLE	5	275	DOMESTIC
128494	SURA B	9/1/1985		LUZERNE	41.09056	-76.00250	300	OPEN HOLE	5	300	DOMESTIC
128495	ROKITKO			LUZERNE	41.13222	-75.99389	200	OPEN HOLE	5	200	DOMESTIC
128496	GEORGE W	8/1/1985		LUZERNE	41.14167	-75.97444	170	OPEN HOLE	50	170	DOMESTIC
128497	MYLET T	9/1/1985		LUZERNE	41.07139	-76.02944	250	OPEN HOLE	5	250	DOMESTIC
128498	REBAR J	4/1/1986		LUZERNE	41.09111	-75.95111	360	OPEN HOLE	40	360	DOMESTIC
128499	DAUBER J	12/1/1984		LUZERNE	41.07861	-75.99333	250	OPEN HOLE	7	20	DOMESTIC
128500	MEAD R	9/1/1984		LUZERNE	41.11028	-75.95750	225	OPEN HOLE	8	20	DOMESTIC
128501	KLINGER J	5/1/1985		LUZERNE	41.10083	-76.00694	250	OPEN HOLE	5	20	DOMESTIC
128502	HENRY S	7/1/1984		LUZERNE	41.09778	-75.94278	330	OPEN HOLE	15	40	DOMESTIC
128503	WINTERGRASS W	5/1/1984		LUZERNE	41.10139	-76.00556	200	OPEN HOLE	8	20	DOMESTIC
128504	EVANCHO A	6/1/1984		LUZERNE	41.10111	-76.01250	275	OPEN HOLE	6	30	DOMESTIC
128505	GROENER	11/1/1983		LUZERNE	41.07000	-76.00333	275	OPEN HOLE	5	15	DOMESTIC
128506	SCHOCK	11/1/1983		LUZERNE	41.09583	-75.94611	360	OPEN HOLE	4	40	DOMESTIC
128507	YURICK H	8/1/1983		LUZERNE	41.10944	-75.95833	300	OPEN HOLE	10	20	DOMESTIC
128508	RINEHIMER L	8/1/1983		LUZERNE	41.11222	-75.99972	200	OPEN HOLE	15	40	DOMESTIC
128509	MYERS E	1/1/1984		LUZERNE	41.13833	-75.98000	190	OPEN HOLE	40	20	DOMESTIC
128510	SNYDER S	10/1/1983		LUZERNE	41.10444	-75.96972	200	OPEN HOLE	10	15	DOMESTIC

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128511	CEASER CAROL	11/1/1986		LUZERNE	41.07833	-76.01806	175	OPEN HOLE	15	30	DOMESTIC
128512	DAVIS R	12/1/1983		LUZERNE	41.09861	-76.03750	275	OPEN HOLE	10	10	DOMESTIC
128513	CULP B	7/1/1984		LUZERNE	41.09500	-76.04833	200	OPEN HOLE	15	30	DOMESTIC
128514	RICHARDSON GLENN	2/1/1989		LUZERNE	41.06917	-76.00250	275	OPEN HOLE	4	30	DOMESTIC
128515	HAYDT LEO	6/1/1988		LUZERNE	41.10444	-76.00806	180	OPEN HOLE	50	20	DOMESTIC
128516	HERGAN	2/1/1989		LUZERNE	41.12556	-76.02361	300	OPEN HOLE	25	20	DOMESTIC
128517	YOHEY	6/1/1988		LUZERNE	41.08250	-75.96000	225	OPEN HOLE	20	30	DOMESTIC
128518	D & W CONSTRUCTION	1/1/1989		LUZERNE	41.09389	-75.96056	400	OPEN HOLE	10	30	DOMESTIC
128519	JOHN	1/1/1989		LUZERNE	41.09694	-75.95833	400	OPEN HOLE	2	40	DOMESTIC
128520	SCHWARTZ TOM	10/1/1988		LUZERNE	41.10472	-75.97361	400	OPEN HOLE	1	30	DOMESTIC
128521	MYLET RICH	8/1/1988		LUZERNE	41.08056	-76.01583	325	OPEN HOLE	4	25	DOMESTIC
128522	STIENBRENNER ANN	2/1/1989		LUZERNE	41.12500	-76.00500	550	OPEN HOLE		20	DOMESTIC
128523	DAMENTIS STEAK HOUSE	7/1/1984		LUZERNE	41.07889	-75.95750	360	OPEN HOLE	12	60	DOMESTIC
128524	KENNY	8/1/1987		LUZERNE	41.08056	-75.95222	345	OPEN HOLE	15		DOMESTIC
128525	FIGMIC	4/1/1989		LUZERNE	41.10083	-76.01028	350	OPEN HOLE	2	40	DOMESTIC
128532	SUN OIL CO	1/1/1970		LUZERNE	41.07750	-75.97389	153	OPEN HOLE	35		DOMESTIC
128542	STEMPIEN J	7/23/1982		LUZERNE	41.28417	-76.28250	200	OPEN HOLE	25		DOMESTIC
128543	FAIRMOUNT FIRE DEPT	9/15/1981		LUZERNE	41.29000	-76.30389	245		15	70	
128544	HUDACK K	7/26/1982		LUZERNE	41.27611	-76.28889	400	OPEN HOLE	1		DOMESTIC
128545	RIGHTMORE C	8/1/1980		LUZERNE	41.27444	-76.25278	335	OPEN HOLE	3	40	DOMESTIC
128546	IDA B	1/1/1980		LUZERNE	41.30667	-76.23444	300	OPEN HOLE	5	100	DOMESTIC
128547	BLASIC MIKE	5/5/1975		LUZERNE	41.22778	-76.28778	140		6		DOMESTIC
128548	AZARAWICZ AL	4/1/1989		LUZERNE	41.28361	-76.30083	300	OPEN HOLE	4	30	DOMESTIC
128549	MANN	4/1/1989		LUZERNE	41.28278	-76.30333	325	OPEN HOLE	7	40	DOMESTIC
128550	WINTER J	5/6/1988		LUZERNE	41.29250	-76.23167	300	OPEN HOLE	3		DOMESTIC
128552	HESS WM	1/1/1967		LUZERNE	41.28194	-76.24833	107	OPEN HOLE	7	20	DOMESTIC
128553	MROZ STEPHEN	1/1/1967		LUZERNE	41.22889	-76.29083	141	OPEN HOLE	20	12	DOMESTIC
128554	HILLEY ARTHUR	1/1/1967		LUZERNE	41.22111	-76.29500	104	OPEN HOLE	6	30	DOMESTIC
128555	VOLANSKI FRANK	1/1/1968		LUZERNE	41.22306	-76.28694	185	OPEN HOLE	6	55	DOMESTIC
128556	KITTLE SUSAN	1/1/1967		LUZERNE	41.23722	-76.24389	100	OPEN HOLE	3	17	DOMESTIC
128557	WILLIAMS THOMAS	7/15/1976		LUZERNE	41.15722	-75.89389	250		45	35	DOMESTIC
128558	JONES HAROLD	12/1/1988		LUZERNE	41.16972	-75.86972	275	OPEN HOLE	8	30	DOMESTIC

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128559	BUCKLEY CRAIG	2/1/1989		LUZERNE	41.17000	-75.87444	300	OPEN HOLE	4	25	DOMESTIC
128560	ORLOSKI BOB	7/1/1988		LUZERNE	41.16861	-75.87639	250	OPEN HOLE	20	30	DOMESTIC
128561	JONES HAROLD	4/1/1989		LUZERNE	41.16917	-75.86861	250	OPEN HOLE	20	30	DOMESTIC
128562	MOODY	10/1/1987		LUZERNE	41.16889	-75.88583	220	OPEN HOLE	3		DOMESTIC
128563	KWOCHTWKO SAM	6/1/1987		LUZERNE	41.16389	-75.88417	150	OPEN HOLE	15		DOMESTIC
128565	RAPCZINSKI R	10/1/1983		LUZERNE	41.04000	-75.79778	200	OPEN HOLE	20	15	DOMESTIC
128566	BRINKMEIER VICTOR	11/22/1972		LUZERNE	41.04222	-75.79611	185		18		DOMESTIC
128567	FLETCHER DENNIS	5/13/1976		LUZERNE	41.04250	-75.83306	200		25		DOMESTIC
128568	MILLER GORDON	8/16/1974		LUZERNE	41.04000	-75.83278	230		22		DOMESTIC
128569	WARD WILLIAM	1/26/1977		LUZERNE	41.04556	-75.77944	200		25	25	DOMESTIC
128570	JOHN SABO BUILDER	5/4/1977		LUZERNE	41.02250	-75.87222	180		25	25	DOMESTIC
128571	GENERAL HEAT & PUMP	7/3/1973		LUZERNE	41.03333	-75.82389	175		16	102	DOMESTIC
128572	HOLIDAY LIFE	12/19/1974		LUZERNE	41.03444	-75.82139	275		11	150	DOMESTIC
128573	SHEAMAN JOSEPH	3/17/1974		LUZERNE	41.03667	-75.82111	200		20	60	DOMESTIC
128574	BARACCA	7/26/1973		LUZERNE	41.03500	-75.81444	200		8		DOMESTIC
128575	SABO CONSTRUCTION	8/1/1977		LUZERNE	41.04222	-75.79778	300	OPEN HOLE	25	30	DOMESTIC
128576	DUDA J	4/1/1980		LUZERNE	41.03167	-75.77667	280	OPEN HOLE	12	60	DOMESTIC
128577	CARROLL E	9/23/1980		LUZERNE	41.03083	-75.78111	300	OPEN HOLE	9	64	DOMESTIC
128578	ENERGY CONSERVATION	2/1/1981		LUZERNE	41.01222	-75.79806	280	OPEN HOLE	30	25	DOMESTIC
128579	DINKO E	8/1/1981		LUZERNE	41.05722	-75.83389	360	OPEN HOLE	40	30	DOMESTIC
128580	STETZMAN D	8/1/1983		LUZERNE	41.02194	-75.87778	360	OPEN HOLE		200	DOMESTIC
128581	GERSON DON	7/1/1988		LUZERNE	41.03917	-75.83000	200	OPEN HOLE	30	20	DOMESTIC
128582	ONUFRAH J	7/1/1985		LUZERNE	41.04000	-75.83167	225	OPEN HOLE	10	90	DOMESTIC
128583	GERSON DON	11/1/1988		LUZERNE	41.04000	-75.83139	275	OPEN HOLE	12	30	DOMESTIC
128584	LUDLAND HOMES	3/1/1989		LUZERNE	41.04000	-75.83111	225	OPEN HOLE	10	20	DOMESTIC
128585	GERSON DON	7/1/1988		LUZERNE	41.04000	-75.83083	250	OPEN HOLE	10	40	DOMESTIC
128586	OSWALD	12/1/1988		LUZERNE	41.04000	-75.83056	175	OPEN HOLE		30	DOMESTIC
128587	LUDLAND HOMES	4/1/1989		LUZERNE	41.04000	-75.83028	200	OPEN HOLE	15	35	DOMESTIC
128588	LUDLAND HOMES	4/1/1989		LUZERNE	41.04000	-75.83000	250	OPEN HOLE	15	40	DOMESTIC
128589	GERSON DON	5/1/1989		LUZERNE	41.03972	-75.83167	250	OPEN HOLE	15	30	DOMESTIC
128590	LUDLAND HOMES	10/1/1988		LUZERNE	41.03944	-75.83167	350	OPEN HOLE	15	40	DOMESTIC
128591	GERSON DON	10/1/1988		LUZERNE	41.03917	-75.83167	225	OPEN HOLE	30	40	DOMESTIC

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Table 2.3-33 {Groundwater Wells Located within a 25 Mile (40-km) Radius of BBNPP (Listed in Pennsylvania Groundwater Information System)}

PA WELL ID	OWNER	DATE DRILLED	DRILLING METHOD	COUNTY	LATITUDE	LONGITUDE	WELL DEPTH (ft bgs)	WELL FINISH	WELL YIELD (gpm)	STATIC WATER LEVEL (ft bgs)	WATER USE
128592	GERSON DON	5/1/1989		LUZERNE	41.03889	-75.83167	250	OPEN HOLE	15	30	DOMESTIC
128593	GERSON DON	11/1/1988		LUZERNE	41.03889	-75.83139	250	OPEN HOLE	12	30	DOMESTIC
128594	LUDLAND HOMES	3/1/1989		LUZERNE	41.03889	-75.83111	450	OPEN HOLE	4	140	DOMESTIC
128595	LUDLAND HOMES	4/1/1989		LUZERNE	41.03889	-75.83083	200	OPEN HOLE	20	30	DOMESTIC
128596	GERSON DON	10/1/1988		LUZERNE	41.03889	-75.83056	375	OPEN HOLE	2	60	DOMESTIC
128597	GERSON DON	10/1/1988		LUZERNE	41.03889	-75.83028	275	OPEN HOLE	5	40	DOMESTIC
128598	LUDLAND HOMES	12/1/1988		LUZERNE	41.03889	-75.83000	420	OPEN HOLE	20	35	DOMESTIC
128599	GERSON DON	10/1/1988		LUZERNE	41.03917	-75.83139	250	OPEN HOLE	10	30	DOMESTIC
128600	MCCANDLE	1/1/1989		LUZERNE	41.03917	-75.83111	250	OPEN HOLE	12	20	DOMESTIC
128601	GERSON DON	7/1/1988		LUZERNE	41.03917	-75.83083	200	OPEN HOLE	30	25	DOMESTIC
128602	SABO HOMES	5/1/1989		LUZERNE	41.03917	-75.83056	200	OPEN HOLE	12	30	DOMESTIC
128603	MILLER JAY	12/1/1988		LUZERNE	41.03917	-75.83028	400	OPEN HOLE	4		DOMESTIC
128604	GERSON DON	6/1/1985		LUZERNE	41.04167	-75.80000	375	OPEN HOLE	35	270	DOMESTIC
128605	WALSH DON	7/1/1986		LUZERNE	41.04167	-75.80028	240	OPEN HOLE	15	25	DOMESTIC
128606	SHEAMAN F	3/1/1987		LUZERNE	41.04167	-75.80056	200	OPEN HOLE	20		DOMESTIC
128607	SHEAMAN F	7/1/1986		LUZERNE	41.04167	-75.80083	275	OPEN HOLE	6	40	DOMESTIC
128608	SHEAMAN F	9/1/1986		LUZERNE	41.04167	-75.79972	250	OPEN HOLE	8	21	DOMESTIC
128609	SHEAMAN F	9/1/1986		LUZERNE	41.04167	-75.79667	250	OPEN HOLE	6	50	DOMESTIC
128610	SHEAMAN F	5/1/1986		LUZERNE	41.04139	-75.80000	250	OPEN HOLE	10	42	DOMESTIC
128611	WHEELER	9/1/1986		LUZERNE	41.04139	-75.79972	225	OPEN HOLE	15	30	DOMESTIC
128612	SHEAMAN F	4/1/1987		LUZERNE	41.04139	-75.79944	400	OPEN HOLE	1.5	40	DOMESTIC
128613	SHEAMAN F	4/1/1987		LUZERNE	41.04139	-75.79917	150	OPEN HOLE	15	20	DOMESTIC
128614	MEGONIGLE	5/1/1986		LUZERNE	41.04139	-75.79889	200	OPEN HOLE	20	40	DOMESTIC
128615	DEAGAN	6/1/1986		LUZERNE	41.04111	-75.79972	300	OPEN HOLE	8	25	DOMESTIC
128616	SHEAMAN F	4/1/1987		LUZERNE	41.04111	-75.79944	250	OPEN HOLE	8	25	DOMESTIC
128617	SEARFOSS	5/1/1986		LUZERNE	41.04111	-75.79917	275	OPEN HOLE	10	25	DOMESTIC
128618	RHODES BRUCE	7/1/1988		LUZERNE	41.04111	-75.79889	400	OPEN HOLE	2	25	DOMESTIC
128619	MIEKO ED	7/1/1988		LUZERNE	41.04083	-75.79972	175	OPEN HOLE	15	20	DOMESTIC
128620	SAMER BILL	1/1/1989		LUZERNE	41.04083	-75.79944	275	OPEN HOLE	5	20	DOMESTIC
128621	FORCINO	7/1/1988		LUZERNE	41.04083	-75.79917	225	OPEN HOLE	15	30	DOMESTIC
128622	HESS HENRY	6/1/1987		LUZERNE	41.06306	-75.78194	345	OPEN HOLE	2.5		DOMESTIC
128623	GRAHMAN	1/1/1988		LUZERNE	41.04222	-75.83278	400	OPEN HOLE	0.5		

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PA WELL ID	OWNER	DATE DRILLED	DRILLING METHOD	COUNTY	LATITUDE	LONGITUDE	WELL DEPTH (ft bgs)	WELL FINISH	WELL YIELD (gpm)	STATIC WATER LEVEL (ft bgs)	WATER USE
128624	CORDES	9/1/1987		LUZERNE	41.04556	-75.83056	200	OPEN HOLE	12		DOMESTIC
128625	SERAFOSS	9/1/1987		LUZERNE	41.04444	-75.82889	200	OPEN HOLE	20		DOMESTIC
128626	BOND ALAN	9/1/1987		LUZERNE	41.06111	-75.79167	225	OPEN HOLE	6		DOMESTIC
128627	KAUCKER GEORGE	7/1/1987		LUZERNE	41.06556	-75.81583	225	OPEN HOLE	15		DOMESTIC
128628		8/1/1987		LUZERNE	41.06000	-75.82278	225	OPEN HOLE	10		DOMESTIC
128629	MOSES B	9/1/1984		LUZERNE	41.04278	-75.80333	160	OPEN HOLE	20	20	DOMESTIC
128630	SHEAMAN FRED	8/1/1987		LUZERNE	41.04250	-75.79111	250	OPEN HOLE	12		DOMESTIC
128631	SHEAMAN FRED	11/1/1987		LUZERNE	41.04500	-75.78556	200	OPEN HOLE	20		DOMESTIC
128632	TOLL D	10/1/1987		LUZERNE	41.03944	-75.78444	160	OPEN HOLE	30	30	DOMESTIC
128633	DETWEILLER C	3/1/1987		LUZERNE	41.01722	-75.84417	250	OPEN HOLE	5	30	DOMESTIC
128634	TIMKO	7/1/1986		LUZERNE	41.03472	-75.84722	275	OPEN HOLE	8	20	DOMESTIC
128635	TANNERY ROD&GUN CLUB			LUZERNE	41.03722	-75.76583	300	OPEN HOLE	15	25	PUBLIC SUPPLY
128636	DIAKO J	7/1/1983		LUZERNE	41.06556	-75.81583	300	OPEN HOLE	4	50	DOMESTIC
128637	REED H	7/24/1984		LUZERNE	41.00917	-75.78222	160	OPEN HOLE	10	25	DOMESTIC
128638	PROCKOPOVICH T	6/1/1984		LUZERNE	41.03083	-75.84389	220	OPEN HOLE	20	50	DOMESTIC
128639	BONCEZK W	2/1/1985		LUZERNE	41.06083	-75.81000	125	OPEN HOLE	60	25	DOMESTIC
128640	FORSCHER C	12/1/1984		LUZERNE	41.04333	-75.78167	125	OPEN HOLE	20	25	DOMESTIC
128641		4/1/1988		LUZERNE	41.02306	-75.87056	300	OPEN HOLE	15	50	DOMESTIC
128642	SARVO J	3/1/1989		LUZERNE	41.04417	-75.81167	220	OPEN HOLE	15	40	DOMESTIC
128643	FISHER R	7/1/1988		LUZERNE	41.05750	-75.84750	380	OPEN HOLE	5	80	DOMESTIC
128644	PIASICK HENRY	9/1/1988		LUZERNE	41.02389	-75.86722	275	OPEN HOLE	10	25	DOMESTIC
128645	BENSON HUDSON	7/1/1988		LUZERNE	41.04361	-75.79083	250	OPEN HOLE	12	30	DOMESTIC
128646	GERSON DON	12/1/1987		LUZERNE	41.03167	-75.83167	300	OPEN HOLE	3		DOMESTIC
128647	GERSON DON	11/1/1987		LUZERNE	41.03167	-75.83139	250	OPEN HOLE	10		DOMESTIC
128648	GERSON DON	12/1/1987		LUZERNE	41.03167	-75.83111	250	OPEN HOLE	25		DOMESTIC
128649	GERSON DON	6/1/1987		LUZERNE	41.03167	-75.83083	150	OPEN HOLE	10	30	DOMESTIC
128650	LIBERTY HOMES	12/1/1987		LUZERNE	41.03167	-75.83056	216	OPEN HOLE	14	38	DOMESTIC
128651	GERSON DON	10/1/1987		LUZERNE	41.03167	-75.83028	265	OPEN HOLE	25		DOMESTIC
128652	GERSON DON	10/1/1987		LUZERNE	41.03167	-75.83000	200	OPEN HOLE	12		DOMESTIC
128653	GERSON DON	6/1/1987		LUZERNE	41.03194	-75.83167	250	OPEN HOLE	6	90	DOMESTIC
128654	SHEAMAN FRED	9/1/1987		LUZERNE	41.03194	-75.83139	175	OPEN HOLE	12		DOMESTIC
128655	GERSON DON	6/1/1987		LUZERNE	41.03194	-75.83111	300	OPEN HOLE	3		DOMESTIC

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PA WELL ID	OWNER	DATE DRILLED	DRILLING METHOD	COUNTY	LATITUDE	LONGITUDE	WELL DEPTH (ft bgs)	WELL FINISH	WELL YIELD (gpm)	STATIC WATER LEVEL (ft bgs)	WATER USE
128656	ZACARIA	4/1/1988		LUZERNE	41.03194	-75.83083	200	OPEN HOLE	25	25	DOMESTIC
128657	GERSON DON	12/1/1987		LUZERNE	41.03194	-75.83056	200	OPEN HOLE	12		DOMESTIC
128658	GERSON DON	10/1/1987		LUZERNE	41.03194	-75.83028	225	OPEN HOLE	20		DOMESTIC
128659	GERSON DON	12/1/1987		LUZERNE	41.03194	-75.83000	250	OPEN HOLE	25		DOMESTIC
128660	GERSON DON	12/1/1987		LUZERNE	41.03222	-75.83167	200	OPEN HOLE	12		DOMESTIC
128661	SHRINER	6/1/1987		LUZERNE	41.03222	-75.83139	200	OPEN HOLE	7		DOMESTIC
128662	SHEAMAN FRED	11/1/1987		LUZERNE	41.03222	-75.83111	405	OPEN HOLE	1		DOMESTIC
128663	GERSON DON	11/1/1987		LUZERNE	41.03222	-75.83083	250	OPEN HOLE	10		DOMESTIC
128664	LIBERTY HOMES	8/1/1988		LUZERNE	41.03222	-75.83056	150	OPEN HOLE	20	20	DOMESTIC
128665		10/1/1988		LUZERNE	41.03222	-75.83028	200	OPEN HOLE	20	50	DOMESTIC
128666	HOLENBURG J	10/1/1988		LUZERNE	41.03222	-75.83000	250	OPEN HOLE	20	35	DOMESTIC
128667	SMITH J	10/1/1988		LUZERNE	41.03222	-75.82972	220	OPEN HOLE	25	45	DOMESTIC
128668	DIXON	6/1/1987		LUZERNE	41.04222	-75.79056	375	OPEN HOLE	1.5		DOMESTIC
128669	SHEAMAN FRED	12/1/1987		LUZERNE	41.04278	-75.79056	250	OPEN HOLE	6		DOMESTIC
128670	DUSER S	12/1/1988		LUZERNE	41.01250	-75.82361	210	OPEN HOLE	18	50	DOMESTIC
128671	KOONS	8/1/1988		LUZERNE	41.04389	-75.79167	250	OPEN HOLE	20	30	DOMESTIC
128672	KERES D	9/1/1985		LUZERNE	41.04528	-75.78333	330	OPEN HOLE	5	330	DOMESTIC
128700	FULK@HICKRY HLL	1/1/1973		LUZERNE	41.03750	-75.81639	258	OPEN HOLE	11	108	DOMESTIC
128701	SABO JOHN	1/1/1972		LUZERNE	41.03750	-75.81639	110	OPEN HOLE	20	40	DOMESTIC
128702	DAVIS RONNIE	1/1/1969		LUZERNE	41.03750	-75.81639	160	OPEN HOLE	24	40	DOMESTIC
128703	SKARP RICHARD	1/1/1969		LUZERNE	41.03750	-75.81639	129	OPEN HOLE	15	25	DOMESTIC
128704	SHEMO EDDIE	1/1/1970		LUZERNE	41.03750	-75.81639	129	OPEN HOLE	8	70	DOMESTIC
128705	LESKO EMIL	1/1/1970		LUZERNE	41.03750	-75.81639	68	OPEN HOLE	31	15	DOMESTIC
128706	SABO JOHN	1/1/1972		LUZERNE	41.03750	-75.81639	130	OPEN HOLE	20	45	DOMESTIC
128707	SABO JOHN	1/1/1972		LUZERNE	41.03750	-75.81639	120	OPEN HOLE	15	45	DOMESTIC
128708	SABO JOHN	1/1/1972		LUZERNE	41.03750	-75.81639	140	OPEN HOLE	25	40	DOMESTIC
128709	SABO JOHN	1/1/1973		LUZERNE	41.03750	-75.81639	111	OPEN HOLE	20	18	DOMESTIC
128710	SABO CONTR	1/1/1973		LUZERNE	41.03750	-75.81639	105	OPEN HOLE	20	40	DOMESTIC
128711	OLSON ROBT A	1/1/1967		LUZERNE	41.03750	-75.81639	170	OPEN HOLE	12	50	DOMESTIC
128712	OLSON ROBT	1/1/1967		LUZERNE	41.03750	-75.81639	126	OPEN HOLE	10	35	DOMESTIC
128713	OLSON ROBT	1/1/1967		LUZERNE	41.03750	-75.81639	105	OPEN HOLE	25	27	DOMESTIC
128714	OLSON ROBT	1/1/1967		LUZERNE	41.03750	-75.81639	108	OPEN HOLE	35	24	DOMESTIC

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128715	OLSON ROBT A	1/1/1967		LUZERNE	41.03750	-75.81639	98	OPEN HOLE	20	27	DOMESTIC
128716	OLSON ROBT	1/1/1967		LUZERNE	41.03750	-75.81639	140	OPEN HOLE	15	37	DOMESTIC
128717	KOSKO JOE	1/1/1966		LUZERNE	41.03750	-75.81639	103	OPEN HOLE	15	30	DOMESTIC
128718	DAVIS CLARENCE	1/1/1968		LUZERNE	41.03083	-75.77528	130	OPEN HOLE	8	40	DOMESTIC
128719	K L CONSTRUCTION	1/1/1989		LUZERNE	41.38611	-75.90667	425	OPEN HOLE	10	30	DOMESTIC
128721	MCDONALD	7/18/1986		LUZERNE	41.39528	-75.92500	245	OPEN HOLE	3	60	DOMESTIC
128722	BARTOS HENRY	9/28/1983		LUZERNE	41.39417	-75.91722	450	OPEN HOLE	20	135	DOMESTIC
128728	BESANGON	1/1/1988		LUZERNE	41.22000	-75.85361	450	OPEN HOLE	20		DOMESTIC
128735	CRAWFORD B	10/1/1980		LUZERNE	40.98111	-76.00833	300	OPEN HOLE	35	45	DOMESTIC
128736	STINNER M	9/1/1982		LUZERNE	40.93389	-75.98722	120	OPEN HOLE	15		DOMESTIC
128737	DIXON D	10/1/1979		LUZERNE	40.99278	-75.91222	160	OPEN HOLE	25	20	DOMESTIC
128738	GEMO A	1/12/1979		LUZERNE	40.95278	-75.93111	200	OPEN HOLE	6		DOMESTIC
128739	DEANGELO J	6/1/1981		LUZERNE	40.99000	-75.99028	220	OPEN HOLE	25	25	DOMESTIC
128740	POLERI CONSTRUCTION	10/1/1983		LUZERNE	40.98889	-75.99222	140	OPEN HOLE	25		DOMESTIC
128741	SLUSSER BROS	1/30/1977		LUZERNE	40.92278	-75.99944	125		25	20	DOMESTIC
128742	GOULD AND SON	1/28/1977		LUZERNE	40.96722	-75.97444	170		25	30	DOMESTIC
128743	CUSATE J	9/1/1983		LUZERNE	41.00222	-75.96917	455	OPEN HOLE	6	20	DOMESTIC
128744	TATE ANTHONY	12/30/1976		LUZERNE	41.00222	-75.96889	155		25	30	DOMESTIC
128745	TERRICINO LORE	10/2/1975		LUZERNE	41.00250	-75.96889	170		20	20	DOMESTIC
128746	PASTORELLA ANTHONY	2/26/1977		LUZERNE	41.00056	-75.96889	200		15	30	
128747	PANZARELLA J	11/1/1977		LUZERNE	41.00222	-75.97111	200	OPEN HOLE	25		DOMESTIC
128748	SLUSSER E	6/1/1982		LUZERNE	40.98722	-76.01389	380	OPEN HOLE	25	75	PUBLIC SUPPLY
128749	CHROMATEY PLANT #2	4/1/1988		LUZERNE	40.97778	-76.02611	50	OPEN HOLE	4		INDUSTRIAL
128750	MERRIL P	5/1/1988		LUZERNE	40.99222	-75.95972	580	OPEN HOLE	8	100	DOMESTIC
128751	CLETES OP	11/1/1987		LUZERNE	40.98583	-75.95889	100	OPEN HOLE	30	9	PUBLIC SUPPLY
128752	FORD R	7/1/1984		LUZERNE	40.99722	-75.99361	430	OPEN HOLE	8	60	DOMESTIC
128753	HAZLE PARK	6/1/1988		LUZERNE	40.93167	-75.99194	650	OPEN HOLE	60	40	INDUSTRIAL
128754	ACKERMAN BROS & SON	2/24/1988		LUZERNE	40.97278	-75.93389	300	OPEN HOLE	25		DOMESTIC
128755	LUCHI HOMES	2/2/1987		LUZERNE	41.00417	-75.95639	240	OPEN HOLE	8		DOMESTIC
128756	MACAFRITY J	3/1/1988		LUZERNE	40.98889	-75.94306	140	OPEN HOLE	25	5	DOMESTIC
128757	DRAGICEVICH C	8/1/1986		LUZERNE	40.98583	-75.99500	140	OPEN HOLE	12	20	DOMESTIC
128758	NOVOTNEY T	8/1/1986		LUZERNE	40.99278	-75.91667	200	OPEN HOLE	25	50	DOMESTIC

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128759	BALLIET L	8/1/1986		LUZERNE	41.00028	-75.96639	160	OPEN HOLE	15	50	DOMESTIC
128760	MARTINI G	1/1/1985		LUZERNE	41.00139	-75.97278	220	OPEN HOLE	12	60	DOMESTIC
128761	YANUZZI R	8/1/1984		LUZERNE	40.98556	-75.98889	120	OPEN HOLE	35	40	DOMESTIC
128762	WAGNER J	11/8/1984		LUZERNE	41.00417	-75.96167	325	OPEN HOLE	30		DOMESTIC
128788	FIERRIS STORE	1/1/1966		LUZERNE	40.98944	-75.97250	261	OPEN HOLE	6	100	DOMESTIC
128789	HAZLE TWP	1/1/1966		LUZERNE	40.98417	-75.98694	63	OPEN HOLE	5	30	DOMESTIC
128790	BIOS CAPLO	1/1/1966		LUZERNE	40.98222	-75.97583	145	OPEN HOLE	6	40	DOMESTIC
128791	PA MONUMENT	1/1/1969		LUZERNE	40.93778	-76.04111	265	OPEN HOLE	5		DOMESTIC
128792	MELLONVILLE CO	1/1/1969		LUZERNE	40.98889	-75.99139	195	OPEN HOLE	35	30	PUBLIC SUPPLY
128793	DISCOUNT FURNIT	1/1/1970		LUZERNE	40.97611	-76.01111	325	OPEN HOLE	20	40	DOMESTIC
128794	HUNEVICH THOMAS	1/1/1969		LUZERNE	40.94472	-75.96667	115	OPEN HOLE	35	5	DOMESTIC
128795	GOULD WM	1/1/1969		LUZERNE	40.95833	-75.92528	85	OPEN HOLE	10	20	DOMESTIC
128796	KOIS JOHN	1/1/1969		LUZERNE	40.95972	-76.00528	130	OPEN HOLE	12	60	DOMESTIC
128797	GENNARO ANTHONY	1/1/1969		LUZERNE	40.99417	-75.99139	83	OPEN HOLE	9	20	DOMESTIC
128798	MINNICH MARY	1/1/1969		LUZERNE	40.99472	-75.99306	70	OPEN HOLE	15	2	DOMESTIC
128799	SEARCY MARYLOU	1/1/1969		LUZERNE	40.99556	-75.99250	84	OPEN HOLE	20	3	DOMESTIC
128800	ILLEDG	1/1/1969		LUZERNE	40.95722	-75.93333	85	OPEN HOLE	12	15	DOMESTIC
128801	CON ED	1/1/1970		LUZERNE	40.93556	-76.04028	255	OPEN HOLE	250	20	INDUSTRIAL
128802	SABAL LEONARD	1/1/1969		LUZERNE	40.99333	-75.96000	83	OPEN HOLE	40	21	DOMESTIC
128803	YACOWATZ NEIL	1/1/1970		LUZERNE	41.00139	-75.96306	100	OPEN HOLE	12	22	DOMESTIC
128804	LURGAN JOHN	1/1/1970		LUZERNE	40.93889	-75.93500	129	OPEN HOLE	8	60	DOMESTIC
128805	KONETZ ANDY	1/1/1970		LUZERNE	40.93806	-75.94167	69	OPEN HOLE	15	18	DOMESTIC
128806	BURON VICTOR	1/1/1970		LUZERNE	40.93722	-75.94278	174	OPEN HOLE	22	70	DOMESTIC
128807	DEANGELO ORLAND	1/1/1970		LUZERNE	40.99528	-75.98500	83	OPEN HOLE	8	12	DOMESTIC
128808	ARNOLD ELWOOD	1/1/1970		LUZERNE	40.94722	-75.97028	144	OPEN HOLE	10	55	DOMESTIC
128809	TATE ANTHONY	1/1/1971		LUZERNE	40.99917	-75.97500	99	OPEN HOLE	12	18	DOMESTIC
128810	BOGART WALTER	1/1/1966		LUZERNE	40.99778	-75.99694	123	OPEN HOLE	8	40	DOMESTIC
128811	KLATCH ANTHONY	1/1/1971		LUZERNE	41.11667	-75.96750	144	OPEN HOLE	8	24	DOMESTIC
128812	HELLER G	10/1/1982		LUZERNE	41.05611	-76.07000	190	OPEN HOLE	20	14	DOMESTIC
128813	HOYT G	5/1/1983		LUZERNE	41.08194	-76.04667	200	OPEN HOLE	45	20	DOMESTIC
128814	RINEHIMER G	2/1/1983		LUZERNE	41.09083	-76.06111	240	OPEN HOLE	15	25	DOMESTIC
128815	RINEHIMER R	12/1/1981		LUZERNE	41.08167	-76.09167	250	OPEN HOLE	5	60	DOMESTIC

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Table 2.3-33 {Groundwater Wells Located within a 25 Mile (40-km) Radius of BBNPP (Listed in Pennsylvania Groundwater Information System)}

PA WELL ID	OWNER	DATE DRILLED	DRILLING METHOD	COUNTY	LATITUDE	LONGITUDE	WELL DEPTH (ft bgs)	WELL FINISH	WELL YIELD (gpm)	STATIC WATER LEVEL (ft bgs)	WATER USE
128816	WHITEBREAD D	11/1/1983		LUZERNE	41.07861	-76.08944	200	OPEN HOLE	10	20	DOMESTIC
128817	READLER C	3/5/1974		LUZERNE	41.04722	-76.11389	200		20	18	DOMESTIC
128818	WYDA BOB	1/10/1976		LUZERNE	41.06583	-76.08667	170		20	40	DOMESTIC
128819	SHOBERT RALPH	3/10/1974		LUZERNE	41.06556	-76.10222	480		4		DOMESTIC
128820	BADMAN RON	7/17/1974		LUZERNE	41.06611	-76.10222	510		1.5		DOMESTIC
128821	LASKOSKY FRANCIS	2/16/1976		LUZERNE	41.05083	-76.08778	140		20	30	DOMESTIC
128822	BARNA JOE	10/1/1987		LUZERNE	41.05444	-76.03333	165	OPEN HOLE	25		DOMESTIC
128823	ARNER GENNY	9/1/1987		LUZERNE	41.07361	-76.10111	300	OPEN HOLE	4		DOMESTIC
128824	MILLER DON	9/1/1987		LUZERNE	41.07194	-76.06028	350	OPEN HOLE	2.5		DOMESTIC
128825	KONSCHNICK	10/1/1987		LUZERNE	41.08972	-76.06750	300	OPEN HOLE	3		DOMESTIC
128826	HUTTON B	6/1/1987		LUZERNE	41.07611	-76.06028	550	OPEN HOLE	1.5		DOMESTIC
128827	BUCK	12/1/1987		LUZERNE	41.08111	-76.08167	375	OPEN HOLE	2		DOMESTIC
128828	MARANOWSKI	11/1/1987		LUZERNE	41.09111	-76.06833	175	OPEN HOLE	25		DOMESTIC
128829	BROWN	4/1/1988		LUZERNE	41.08111	-76.06444	400	OPEN HOLE	2	30	DOMESTIC
128830	FRASSO J	7/1/1986		LUZERNE	41.09972	-76.08306	180	OPEN HOLE	20	25	DOMESTIC
128831	DAILEY K	7/1/1986		LUZERNE	41.04722	-76.09639	320	OPEN HOLE	15		DOMESTIC
128832	STEINBRENNER	2/1/1986		LUZERNE	41.08250	-76.08444	240	OPEN HOLE	15	60	DOMESTIC
128833	CHAPIN C	11/1/1985		LUZERNE	41.05139	-76.10639	248	OPEN HOLE	30		DOMESTIC
128834	LEWIS I	11/1/1984		LUZERNE	41.08556	-76.08833	225	OPEN HOLE	20	20	DOMESTIC
128835	WYDA L	4/1/1985		LUZERNE	41.08750	-76.09694	225	OPEN HOLE	8	30	DOMESTIC
128836	SIEGAL R	8/1/1983		LUZERNE	41.07444	-76.07611	200	OPEN HOLE	8	25	DOMESTIC
128837	SENSON R	9/1/1983		LUZERNE	41.04722	-76.09333	225	OPEN HOLE	10	30	DOMESTIC
128838	BECK	7/1/1984		LUZERNE	41.08944	-76.09250	345	OPEN HOLE	3	30	DOMESTIC
128839	DENNIS R			LUZERNE	41.08083	-76.10528	300	OPEN HOLE	3	30	DOMESTIC
128840	ROBBINS	3/1/1989		LUZERNE	41.04639	-76.09500	500	OPEN HOLE	20	40	DOMESTIC
128844	HEINZ R	1/6/1980		LUZERNE	41.24444	-76.11833	500	OPEN HOLE	3	100	DOMESTIC
128845	BROSH J	8/1/1980		LUZERNE	41.21056	-76.08278	350	OPEN HOLE	1	280	DOMESTIC
128846	BRACE K	9/1/1981		LUZERNE	41.24222	-76.06611	240	OPEN HOLE	12	15	DOMESTIC
128847	SIRAK JOHN	5/21/1974		LUZERNE	41.22444	-76.13056	410		2	42	DOMESTIC
128848	HUMMELL HARRY	6/6/1974		LUZERNE	41.22444	-76.12778	200		2		DOMESTIC
128849	BROSH JOE	7/10/1974		LUZERNE	41.22583	-76.13528	300		1	22	DOMESTIC
128850	PALOWSKI ED	2/16/1973		LUZERNE	41.16667	-76.15917	185		40		DOMESTIC

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PA WELL ID	OWNER	DATE DRILLED	DRILLING METHOD	COUNTY	LATITUDE	LONGITUDE	WELL DEPTH (ft bgs)	WELL FINISH	WELL YIELD (gpm)	STATIC WATER LEVEL (ft bgs)	WATER USE
128851	CHARNITSKI FRANK	7/25/1974		LUZERNE	41.20722	-76.20167	455		6	45	DOMESTIC
128852	HUNLOCK TWP	9/26/1984		LUZERNE	41.22583	-76.11333	595	OPEN HOLE	3		PUBLIC SUPPLY
128853	SORBER D	2/16/1985		LUZERNE	41.24944	-76.13944	300	OPEN HOLE	1		DOMESTIC
128855	HARRISON CARL	1/1/1967		LUZERNE	41.22472	-76.11333	228	OPEN HOLE	8	86	DOMESTIC
128856	TRZEINSKI F	1/1/1969		LUZERNE	41.21639	-76.11944	145	OPEN HOLE	10	28	DOMESTIC
128857	DEMBOWSKI G	1/1/1970		LUZERNE	41.22056	-76.08222	97	OPEN HOLE	8	7	DOMESTIC
128858	RUDDY DON	1/1/1970		LUZERNE	41.25722	-76.09389	161	OPEN HOLE	14	50	DOMESTIC
128859	UNIATOWSKI JOHN	1/1/1970		LUZERNE	41.23778	-76.13917	141	OPEN HOLE	20	82	DOMESTIC
128860	ZAGATA E	10/18/1982		LUZERNE	41.15194	-76.23722	175	OPEN HOLE	12		DOMESTIC
128861	EVERETT JOHN	8/1/1987		LUZERNE	41.21222	-76.24528	300	OPEN HOLE	1.5	1	DOMESTIC
128862	DRUMHELLER J	10/22/1987		LUZERNE	41.14194	-76.23972	300	OPEN HOLE	2		DOMESTIC
128863	DAVIES L	5/11/1987		LUZERNE	41.21000	-76.29139	350	OPEN HOLE	20		DOMESTIC
128864	FEATHERMAN E	6/1/1985		LUZERNE	41.15222	-76.21139	150	OPEN HOLE	4		DOMESTIC
128865	THOMAS ENTERPRISES	1/1/1985		LUZERNE	41.19750	-76.30806	275	OPEN HOLE	20		DOMESTIC
128866	SPROUT J	5/26/1983		LUZERNE	41.19833	-76.25167	250	OPEN HOLE	4		DOMESTIC
128867	BALUTS E	9/20/1983		LUZERNE	41.21583	-76.24556	150	OPEN HOLE	5		DOMESTIC
128868	KATES R	7/1/1983		LUZERNE	41.22056	-76.24583	400	OPEN HOLE	1		DOMESTIC
128869	SCHUCKERS G	6/6/1984		LUZERNE	41.18833	-76.23000	122	OPEN HOLE	4		DOMESTIC
128870	KRAVITZ JOHN	1/1/1969		LUZERNE	41.16528	-76.20861	115	OPEN HOLE	4		DOMESTIC
128871	KALIE BERNARD	1/1/1966		LUZERNE	41.16528	-76.20861	110	OPEN HOLE	15	40	DOMESTIC
128872	MCDANIELS WM S	1/1/1967		LUZERNE	41.17694	-76.22389	153	OPEN HOLE	4	20	DOMESTIC
128873	GIMBER DICK	1/1/1967		LUZERNE	41.19083	-76.23611	150	OPEN HOLE	7	22	DOMESTIC
128874	MCDERMOTT DON	1/1/1967		LUZERNE	41.18917	-76.23139	157	OPEN HOLE	24	28	DOMESTIC
128875	KOONS RUFUS	1/1/1968		LUZERNE	41.19639	-76.23889	105	OTHER	20	25	DOMESTIC
128876	FETCH GEORGE	1/1/1968		LUZERNE	41.18000	-76.22500	175	OPEN HOLE	4	10	DOMESTIC
128877	PATTERSON CAMP	1/1/1968		LUZERNE	41.23056	-76.24028	45	OTHER	30	10	DOMESTIC
128878	LEVALLEY MARVIN	1/1/1967		LUZERNE	41.21444	-76.24750	68	OPEN HOLE	6	24	DOMESTIC
128879	NEJAKO FRANK	1/1/1967		LUZERNE	41.20528	-76.20278	77	OPEN HOLE	6	30	DOMESTIC
128880	MCDERMOTT DON	1/1/1968		LUZERNE	41.19167	-76.27222	92	OPEN HOLE	45	4	DOMESTIC
128881	STILES SAM	1/1/1968		LUZERNE	41.21250	-76.29028	200	OPEN HOLE	20	58	DOMESTIC
128882	SUTTON HILLS ASSOC.	4/1/1977		LUZERNE	41.30889	-75.96833	600		55	124	PUBLIC SUPPLY
128883	SPENCER BEN	1/15/1975		LUZERNE	41.27889	-75.96222	290		8	60	DOMESTIC

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128884	EMNERT	6/1/1988		LUZERNE	41.26583	-75.98722	250	OPEN HOLE	8		DOMESTIC
128885	C R YEAGLEY	11/1/1988		LUZERNE	41.27472	-75.95000	250	OPEN HOLE	30	30	DOMESTIC
128886	MOTT	1/1/1989		LUZERNE	41.27417	-75.98250	350	OPEN HOLE	3	35	DOMESTIC
128887	DEREMER RON	8/1/1988		LUZERNE	41.25194	-76.00417	200	OPEN HOLE	30	25	DOMESTIC
128888	DALE & DALE	4/1/1988		LUZERNE	41.30889	-75.96056	500	OPEN HOLE	3	100	DOMESTIC
128889	DELANEY	3/1/1988		LUZERNE	41.27111	-75.97278	300	OPEN HOLE	4		DOMESTIC
128890	PHILLIPS BOB	5/10/1988		LUZERNE	41.27278	-75.98417	285	OPEN HOLE	9		DOMESTIC
128891	CUNNINGHAM GUTRIE	8/1/1983		LUZERNE	41.29833	-75.94444	205	OPEN HOLE	60		DOMESTIC
128892	CORGAN	12/1/1988		LUZERNE	41.29833	-75.94444	895	OPEN HOLE	2	200	DOMESTIC
128893	EVANS WAYNE	12/10/1988		LUZERNE	41.28083	-75.97194	420	OPEN HOLE	5		DOMESTIC
128894	QUERCI	3/1/1989		LUZERNE	41.30556	-75.95056	500	OPEN HOLE	4	45	DOMESTIC
128895	JOSE RENE	4/1/1988		LUZERNE	41.30611	-75.95528	785	OPEN HOLE	3.5	150	DOMESTIC
128896	RUTKOSKI L	7/1/1987		LUZERNE	41.30611	-75.95667	310		12		DOMESTIC
128897	KNAPP D	9/1/1987		LUZERNE	41.30583	-75.95611	342		10		DOMESTIC
128898	CORGAN M	3/11/1988		LUZERNE	41.30556	-75.95500	785	OPEN HOLE	5	500	DOMESTIC
128899	SUPPIY ROBERT			LUZERNE	41.28944	-75.97472	345	OPEN HOLE	8		DOMESTIC
128908	WOSS MIKE	1/1/1967		LUZERNE	41.26806	-75.96556	125	OPEN HOLE	20	57	DOMESTIC
128910	WILSON JOHN	6/18/1974		LUZERNE	41.30111	-76.08778	300		15	34	DOMESTIC
128911	CONTE D	8/11/1979		LUZERNE	41.36722	-76.08944	150	OPEN HOLE	30	30	DOMESTIC
128912	LOVE RICHARD	9/3/1974		LUZERNE	41.32556	-76.11611	170		12	55	DOMESTIC
128913	MARTIN WILLIAM	9/23/1985		LUZERNE	41.32083	-76.09944	225	OPEN HOLE	25	80	DOMESTIC
128914	BOBB GEORGE	12/9/1987		LUZERNE	41.30250	-76.09861	375	OPEN HOLE	13	250	DOMESTIC
128915	GORDON RAE	11/1/1987		LUZERNE	41.33833	-76.13833	330	OPEN HOLE	2		DOMESTIC
128923	MARTIN JOS	1/1/1966		LUZERNE	41.30056	-76.09500	111	OPEN HOLE	15	53	DOMESTIC
128924	MARTIN DAVID	1/1/1966		LUZERNE	41.30056	-76.09500	126	OPEN HOLE	15	66	DOMESTIC
128925	FOSS CLIFFORD	1/1/1966		LUZERNE	41.33583	-76.09944	85	OPEN HOLE	32	35	DOMESTIC
128926	KREIDLER ROBT	1/1/1966		LUZERNE	41.30500	-76.08750	108	OPEN HOLE	32	14	DOMESTIC
128927	WINTERS WALTER	1/1/1967		LUZERNE	41.35389	-76.07722	292	OPEN HOLE	7	135	DOMESTIC
128928	MARTIN ALFRED	1/1/1967		LUZERNE	41.37278	-76.08444	147	OPEN HOLE	16	80	DOMESTIC
128929	BANNON JAMES	1/1/1969		LUZERNE	41.35917	-76.06556	222	OPEN HOLE	40	9	DOMESTIC
128930	CALKINS WM	1/1/1969		LUZERNE	41.37611	-76.08556	101	OPEN HOLE	34	8	DOMESTIC
128931	BONK A	3/1/1987		LUZERNE	41.21861	-75.84500	250	OPEN HOLE	3	35	DOMESTIC

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128932	HURST	3/1/1987		LUZERNE	41.21194	-75.85556	125	OPEN HOLE	30		DOMESTIC
128933	MILLER R	9/1/1986		LUZERNE	41.21806	-75.84222	604	OPEN HOLE	20		DOMESTIC
128935	DRAFT REINHARD	1/1/1968		LUZERNE	41.22250	-75.86444	113	OPEN HOLE	20		DOMESTIC
128936	TRAHT ALBERT	1/1/1969		LUZERNE	41.22250	-75.86167	83	OPEN HOLE	12	20	DOMESTIC
128937	CHAMBERLAIN JIM	5/27/1974		LUZERNE	41.26389	-76.05722	170		20	25	DOMESTIC
128938	GENECO SERVICES	8/1/1977		LUZERNE	41.29889	-76.09389	260	OPEN HOLE	60	20	DOMESTIC
128939	YONKESKI RON	1/10/1974		LUZERNE	41.30889	-76.07111	200		7		DOMESTIC
128940	SKOPEK MIKE	1/10/1975		LUZERNE	41.33722	-76.01389	300		15	40	DOMESTIC
128941	ORLOPSKI JOE	6/20/1975		LUZERNE	41.27444	-76.08778	305		4		DOMESTIC
128942	SHOLTES JOE	2/23/1983		LUZERNE	41.31500	-76.01667	185	OPEN HOLE	15	40	DOMESTIC
128943	ROMANCHICK MYRON	2/22/1983		LUZERNE	41.31556	-76.01667	225	OPEN HOLE	12	50	DOMESTIC
128944	HENNINGER M	10/1/1980		LUZERNE	41.26056	-76.02722	150	OPEN HOLE	25	15	DOMESTIC
128945	MCHAHAN	3/1/1989		LUZERNE	41.26417	-76.05556	300	OPEN HOLE	5	60	DOMESTIC
128946	KORMAN	3/1/1989		LUZERNE	41.27528	-76.07528	300	OPEN HOLE	2.5	25	DOMESTIC
128947	TENNANBAUN BARRY	9/1/1988		LUZERNE	41.27861	-76.08417	450	OPEN HOLE	2	25	DOMESTIC
128948	BYCZEK RONALD			LUZERNE	41.27083	-76.08694	315	OPEN HOLE	4	80	
128949	LLOYD DAVE	3/1/1987		LUZERNE	41.31250	-76.07222	200	OPEN HOLE	20		DOMESTIC
128950	MOYER HERB	3/1/1987		LUZERNE	41.31194	-76.07194	250	OPEN HOLE	12	25	DOMESTIC
128951	POSTIC	8/1/1986		LUZERNE	41.27083	-76.08833	300	OPEN HOLE	1	25	DOMESTIC
128952	SUTTON W	3/1/1987		LUZERNE	41.32583	-76.03472	225	OPEN HOLE	15	35	DOMESTIC
128953	SPACE TOM	8/21/1985		LUZERNE	41.27667	-76.08167	400	OPEN HOLE	6	140	DOMESTIC
128954	MICKNO G	9/1/1983		LUZERNE	41.28889	-76.06806	275	OPEN HOLE	10	20	DOMESTIC
128955	NAUGLE SAND & GRAVEL	3/1/1988		LUZERNE	41.28917	-76.09083	700	OPEN HOLE	35		
128956	RITTLE M	9/1/1983		LUZERNE	41.31000	-76.03000	360	OPEN HOLE	5	60	DOMESTIC
128958	COOLBAUGH HARLD	1/1/1966		LUZERNE	41.30917	-76.02806	102	OPEN HOLE	26	19	DOMESTIC
128959	COOLBAUGH GLENN	1/1/1966		LUZERNE	41.31889	-76.02167	176	OPEN HOLE	30	45	DOMESTIC
128960	KRUPSHA MICHAEL	1/1/1966		LUZERNE	41.31722	-76.02250	145	OPEN HOLE	26	48	DOMESTIC
128961	COSGROVE KEN	1/1/1967		LUZERNE	41.32500	-76.01194	114	OPEN HOLE	25	57	DOMESTIC
128962	GOODWIN GRACE	1/1/1967		LUZERNE	41.27222	-76.08611	110	OPEN HOLE	16		DOMESTIC
128963	WALTERS RUSSEL	1/1/1967		LUZERNE	41.27139	-76.08750	165	OPEN HOLE	25	75	DOMESTIC
128964	MARTIN THELMA	1/1/1968		LUZERNE	41.31639	-76.02250	221	OPEN HOLE	10	130	DOMESTIC
128965	NIEZGODA JOHN	1/1/1969		LUZERNE	41.28083	-76.03167	149	OPEN HOLE	22	68	DOMESTIC

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128966	SZALKOWSKI C	1/1/1971		LUZERNE	41.27361	-76.07972	249	OPEN HOLE	12	40	DOMESTIC
128967	HOZEMPA I	1/1/1966		LUZERNE	41.33000	-76.03861	206	OPEN HOLE	9		DOMESTIC
128968	BARKOWSKI JOE	1/1/1968		LUZERNE	41.26639	-76.07861	300	OPEN HOLE	2		DOMESTIC
128969	DOUTHAT J	3/2/1983		LUZERNE	41.05194	-76.20500	200	OPEN HOLE			DOMESTIC
128970	EROH G	11/1/1982		LUZERNE	41.05278	-76.16389	300	OPEN HOLE	5		DOMESTIC
128971	MATASH A	7/28/1982		LUZERNE	41.04333	-76.20306	450	OPEN HOLE	4		DOMESTIC
128972	DRIBELLIS W	5/3/1982		LUZERNE	41.04167	-76.19889	225	OPEN HOLE	6		DOMESTIC
128973	HOPPY B	7/2/1981		LUZERNE	41.03417	-76.16722	225	OPEN HOLE	8		DOMESTIC
128974	RYMAN W	8/1/1980		LUZERNE	41.05278	-76.16389	360	OPEN HOLE	35		DOMESTIC
128975	BLACKBURN ED	8/1/1978		LUZERNE	41.03667	-76.17611	300	OPEN HOLE	20	40	DOMESTIC
128976	U S GEOL SURVEY	10/20/1980		LUZERNE	41.05889	-76.19806	200	OPEN HOLE	6	23	
128977	U S GEOL SURVEY	10/20/1980		LUZERNE	41.05889	-76.19778	55	PERFORATED	36	23	
128978	DEISEHAINE B	4/1/1978		LUZERNE	41.03917	-76.13722	100	OPEN HOLE	8		DOMESTIC
128979	DEISEHAINE B	4/1/1978		LUZERNE	41.03778	-76.13750	150	OPEN HOLE	6		DOMESTIC
128980	TRAPHIVE S	7/1/1977		LUZERNE	41.01778	-76.20333	200	OPEN HOLE	6		DOMESTIC
128981	MARGARM HOWARD	4/1/1989		LUZERNE	41.04333	-76.18389	360	OPEN HOLE	15	70	DOMESTIC
128982	LLOYD BILL	4/1/1989		LUZERNE	41.04444	-76.14639	275	OPEN HOLE	7	35	DOMESTIC
128983	LYNN J	4/1/1989		LUZERNE	41.04444	-76.18667	200	OPEN HOLE	25	30	DOMESTIC
128984	PALERY D	4/1/1989		LUZERNE	41.04417	-76.18667	220	OPEN HOLE	12	50	DOMESTIC
128985	LUNDY CONSTRUCTION	11/23/1988		LUZERNE	41.04944	-76.15778	200	OPEN HOLE	20		DOMESTIC
128986	TYRRELL C	3/11/1988		LUZERNE	41.04444	-76.18806	275	OPEN HOLE	40		DOMESTIC
128987	BOENICH J	5/1/1988		LUZERNE	41.04306	-76.14028	200	OPEN HOLE	15	40	DOMESTIC
128988	ADAMS A	5/1/1988		LUZERNE	41.04417	-76.18389	360	OPEN HOLE	15	85	DOMESTIC
128989	SMITH R	5/1/1988		LUZERNE	41.03500	-76.14028	180	OPEN HOLE	25	40	DOMESTIC
128990	MADISH M	9/25/1987		LUZERNE	41.03250	-76.21861	340	OPEN HOLE	3		DOMESTIC
128991	MILLER G	8/13/1987		LUZERNE	41.04083	-76.19028	300	OPEN HOLE	1		DOMESTIC
128992	RYMAN H	9/1/1987		LUZERNE	41.05500	-76.18833	280	OPEN HOLE	8		DOMESTIC
128993	BREMMER M	6/1/1987		LUZERNE	41.04167	-76.13333	398	OPEN HOLE	1		DOMESTIC
128994	RYMAN FARM	4/1/1988		LUZERNE	41.05417	-76.17472	200	OPEN HOLE	20	60	DOMESTIC
128995	AUDIMATION	4/1/1988		LUZERNE	41.05278	-76.16556	240	OPEN HOLE	20	60	INDUSTRIAL
128996	BOWER K	11/7/1986		LUZERNE	41.05361	-76.17056	420	OPEN HOLE	1		DOMESTIC
128997	RYMAN V	10/15/1986		LUZERNE	41.03694	-76.21250	360		3		DOMESTIC

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Table 2.3-33 {Groundwater Wells Located within a 25 Mile (40-km) Radius of BBNPP (Listed in Pennsylvania Groundwater Information System)}

PA WELL ID	OWNER	DATE DRILLED	DRILLING METHOD	COUNTY	LATITUDE	LONGITUDE	WELL DEPTH (ft bgs)	WELL FINISH	WELL YIELD (gpm)	STATIC WATER LEVEL (ft bgs)	WATER USE
128998	MCCREARY J	6/1/1985		LUZERNE	41.04111	-76.14889	275	OPEN HOLE	5		DOMESTIC
128999	REIMARD E	10/1/1986		LUZERNE	41.04361	-76.18278	380	OPEN HOLE	20	70	DOMESTIC
129000	SMITH	8/1/1986		LUZERNE	41.04278	-76.14361	180	OPEN HOLE	12	40	DOMESTIC
129001	WENNER R	7/1/1986		LUZERNE	41.04333	-76.17889	280	OPEN HOLE	60	70	DOMESTIC
129002	WOOD LAND PRODUCT	1/14/1985		LUZERNE	41.05528	-76.12861	508	OPEN HOLE	2		STOCK
129003	PADEN J	7/5/1984		LUZERNE	41.04389	-76.20444	300	OPEN HOLE	5		DOMESTIC
129004	READLER K	2/1/1986		LUZERNE	41.03917	-76.18917	223	OPEN HOLE	12		DOMESTIC
129005	HOUGH H	8/30/1984		LUZERNE	41.02472	-76.20667	150	OPEN HOLE	15		DOMESTIC
129006	SUPERKO D	7/1/1983		LUZERNE	41.03889	-76.15194	330	OPEN HOLE	15	40	DOMESTIC
129007	KESSLER J	7/1/1983		LUZERNE	41.04333	-76.20528	225		9		
129008	PADEN J	9/15/1983		LUZERNE	41.04472	-76.20611	400	OPEN HOLE	2		DOMESTIC
129015	RYMAN WARREN	1/1/1966		LUZERNE	41.04083	-76.14306	235	OPEN HOLE	10	91	DOMESTIC
129016	HASKELL KENNETH	1/1/1969		LUZERNE	41.01417	-76.20722	75	OPEN HOLE	30		DOMESTIC
129017	KLINE LARRY			LUZERNE	41.04944	-76.16528	140	OPEN HOLE			DOMESTIC
129018	DEISCHAINE RLND			LUZERNE	41.03944	-76.13778	275	OPEN HOLE	20		DOMESTIC
129019	JUMPER HARRY			LUZERNE	41.03472	-76.17444	125	OPEN HOLE	8		DOMESTIC
129020	FILMORE MARTIN			LUZERNE	41.03361	-76.17306	175	OPEN HOLE	6		DOMESTIC
129021	STEINHAUER REV			LUZERNE	41.03306	-76.17389	170	OPEN HOLE	25	35	DOMESTIC
129022	HOUCH HAROLD			LUZERNE	41.03333	-76.17222	140	OPEN HOLE	15		DOMESTIC
129023	SEWARD HAROLD			LUZERNE	41.03194	-76.17194	245	OPEN HOLE	22	50	DOMESTIC
129024	HAWK GEORGE			LUZERNE	41.03333	-76.18000	230	OPEN HOLE	18	30	DOMESTIC
129025	VALENTINO DAN			LUZERNE	41.02861	-76.18278	300	OPEN HOLE	2	160	DOMESTIC
129026	CHANDER CARMEN			LUZERNE	41.01944	-76.21417	185	OPEN HOLE	20	40	DOMESTIC
129027	BENJAMIN ORVILL			LUZERNE	41.04278	-76.19833	125	OPEN HOLE			DOMESTIC
129028	CHAPIN CURTIS			LUZERNE	41.04583	-76.12056	140	OPEN HOLE	30		DOMESTIC
129029	HILDEBRAND RAY	1/1/1989		LUZERNE	41.16556	-76.01056	250	OPEN HOLE	10	45	DOMESTIC
129030	SKURSKI	9/1/1979		LUZERNE	41.15083	-75.97611	250	OPEN HOLE	6	40	DOMESTIC
129031	RINEHIMER R	10/1/1982		LUZERNE	41.15111	-75.97611	220	OPEN HOLE	7	40	DOMESTIC
129032	RINEHIMER D	5/1/1983		LUZERNE	41.15056	-75.97556	240	OPEN HOLE	25	45	DOMESTIC
129033	BECK P	4/1/1983		LUZERNE	41.15028	-75.97556	240	OPEN HOLE	25	45	DOMESTIC
129034	KOKINDA	10/1/1987		LUZERNE	41.15083	-75.97222	330	OPEN HOLE	3		DOMESTIC
129035	HORWATH	8/1/1987		LUZERNE	41.15667	-75.98333	200	OPEN HOLE	15		DOMESTIC

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PA WELL ID	OWNER	DATE DRILLED	DRILLING METHOD	COUNTY	LATITUDE	LONGITUDE	WELL DEPTH (ft bgs)	WELL FINISH	WELL YIELD (gpm)	STATIC WATER LEVEL (ft bgs)	WATER USE
129036	ADAMS	7/1/1986		LUZERNE	41.15528	-75.98194	300	OPEN HOLE	4	35	DOMESTIC
129037	YODER	9/1/1988		LUZERNE	41.16194	-75.98639	225	OPEN HOLE	50	20	DOMESTIC
129038	NESMITH P	6/1/1983		LUZERNE	41.16389	-75.97083	300	OPEN HOLE	3	10	DOMESTIC
129039	ORLOSKI F	7/1/1985		LUZERNE	41.15389	-75.97806	225	OPEN HOLE	12	225	PUBLIC SUPPLY
129040	STUCKER	8/1/1985		LUZERNE	41.15194	-75.96833	200	OPEN HOLE	12	200	
129041	ARCHER J	9/1/1985		LUZERNE	41.15083	-75.97250	250	OPEN HOLE	6	300	DOMESTIC
129042	SPAIDE G	7/1/1983		LUZERNE	41.15667	-75.97778	300	OPEN HOLE	3	25	DOMESTIC
129043	HALKO S	11/1/1985		LUZERNE	41.16444	-75.98028	175	OPEN HOLE	15	175	DOMESTIC
129044	MALKEMES	7/1/1984		LUZERNE	41.15111	-75.97139	200	OPEN HOLE	5	20	DOMESTIC
129045	SKIRCHAK T	5/1/1985		LUZERNE	41.15111	-75.97000	250	OPEN HOLE	15	20	DOMESTIC
129046	UNKNOWN	5/1/1988		LUZERNE	41.15806	-75.96806	330	OPEN HOLE	5		DOMESTIC
129051	YENCHA RICHARD	6/12/1974		LUZERNE	41.27111	-75.95500	350		6	25	DOMESTIC
129052	LEHMAN HOMES	5/1/1989		LUZERNE	41.25556	-76.05000	450	OPEN HOLE	2	40	DOMESTIC
129053	MARGIEWCZ	1/1/1989		LUZERNE	41.26667	-75.96000	300	OPEN HOLE	5	30	DOMESTIC
129054	GIMBLE	2/1/1989		LUZERNE	41.26583	-75.95472	200	OPEN HOLE	8		DOMESTIC
129055	CASEY K	10/1/1985		LUZERNE	41.26528	-75.96806	250	OPEN HOLE	8	250	DOMESTIC
129056	SOLETSKI ALEX	1/1/1966		LUZERNE	41.24806	-75.94361	135	OPEN HOLE	10	50	DOMESTIC
129057	RAVERT ALLAN	1/1/1968		LUZERNE	41.24639	-75.97028	165		20	30	DOMESTIC
129058	LOSOSKY D	10/1/1983		LUZERNE	41.15139	-75.95556	240		20		DOMESTIC
129059	WEYHENMEYER T	11/1/1981		LUZERNE	41.14389	-75.97000	240	OPEN HOLE	200	53	DOMESTIC
129060	ROGERS C	11/1/1980		LUZERNE	41.14778	-75.94611	245	OPEN HOLE	10	50	DOMESTIC
129061	SAPP J	7/1/1979		LUZERNE	41.15111	-75.95583	240	OPEN HOLE	8	40	DOMESTIC
129062	SAPP JOHN	5/10/1979		LUZERNE	41.15667	-75.94389	275		5	50	DOMESTIC
129063	VALLEY VIEW BUILDERS	9/3/1976		LUZERNE	41.16444	-75.92444	245		25	40	DOMESTIC
129064	RICE TOWNSHIP	11/1/1981		LUZERNE	41.14639	-75.95889	225	OPEN HOLE	100	6	PUBLIC SUPPLY
129065	CIPRIANI	6/1/1988		LUZERNE	41.15000	-75.94694	200	OPEN HOLE	50	20	DOMESTIC
129066	HALCHAK	1/1/1989		LUZERNE	41.15583	-75.94611	200	OPEN HOLE	12	40	DOMESTIC
129067	PAULEWICZ	2/1/1989		LUZERNE	41.14500	-75.94500	250	OPEN HOLE	15	30	DOMESTIC
129068	GRAHMAN ROBERT	8/1/1988		LUZERNE	41.16500	-75.95917	300	OPEN HOLE	4	30	DOMESTIC
129069	ROSE	1/1/1989		LUZERNE	41.15778	-75.96722	275	OPEN HOLE	25	20	DOMESTIC
129070	DISABATIARO	2/1/1989		LUZERNE	41.15667	-75.94444	250	OPEN HOLE	8	30	DOMESTIC
129071	GEGARIS	6/1/1988		LUZERNE	41.15694	-75.93889	275	OPEN HOLE	7		DOMESTIC

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129072	STUCKER	6/1/1988		LUZERNE	41.15528	-75.94500	250	OPEN HOLE	7	25	DOMESTIC
129073	WELLS	4/1/1989		LUZERNE	41.12722	-75.94194	300	OPEN HOLE	3	30	DOMESTIC
129074	CHERRY	7/1/1988		LUZERNE	41.15500	-75.94361	250	OPEN HOLE	15	30	DOMESTIC
129075	KEPHART	9/1/1986		LUZERNE	41.15028	-75.95556	275	OPEN HOLE	5	20	DOMESTIC
129076	WEYNENMEYER MIKE	7/1/1987		LUZERNE	41.14694	-75.95833	175	OPEN HOLE	20		DOMESTIC
129077	YEAGLEY HOMES	1/1/1988		LUZERNE	41.14472	-75.95306	300	OPEN HOLE	10		DOMESTIC
129078	SMITH BOB	12/1/1987		LUZERNE	41.16667	-75.93250	175	OPEN HOLE	20		DOMESTIC
129079	MT TOP AMBULANCE	4/1/1988		LUZERNE	41.14667	-75.95972	200	OPEN HOLE	6		DOMESTIC
129080	SIEGAL	11/1/1987		LUZERNE	41.15444	-75.95083	300	OPEN HOLE	4		DOMESTIC
129081	STARKEY DAMIEN	9/1/1987		LUZERNE	41.13806	-75.94833	250	OPEN HOLE	20		DOMESTIC
129082	BUFF FRANK	10/1/1987		LUZERNE	41.13917	-75.96667	225	OPEN HOLE	15		DOMESTIC
129083	KAMINSKI CARL	4/1/1988		LUZERNE	41.16667	-75.93389	250	OPEN HOLE	20	25	DOMESTIC
129084	WARD	2/1/1988		LUZERNE	41.14861	-75.97250	330	OPEN HOLE	3		DOMESTIC
129085	MICZKOWSKI	11/1/1986		LUZERNE	41.14500	-75.93250	300	OPEN HOLE	20	30	DOMESTIC
129086	COVERT	11/1/1986		LUZERNE	41.15639	-75.94750	300	OPEN HOLE	5	40	DOMESTIC
129087	BARCHESKI BILL	7/1/1986		LUZERNE	41.15750	-75.94333	270	OPEN HOLE	20	40	DOMESTIC
129088	ZOLROWSKI E	11/1/1985		LUZERNE	41.16306	-75.93278	200	OPEN HOLE	10	200	DOMESTIC
129089	WHITMIRE L	8/1/1985		LUZERNE	41.15667	-75.94667	265		7	265	DOMESTIC
129090	STEMRICH T	11/1/1985		LUZERNE	41.16000	-75.93806	170	OPEN HOLE	25	170	DOMESTIC
129091	JAKABOWSKI P	4/1/1985		LUZERNE	41.15833	-75.94139	225	OPEN HOLE	10	20	DOMESTIC
129092	WIERNUSZ	12/1/1983		LUZERNE	41.15056	-75.95361	200	OPEN HOLE	9	25	DOMESTIC
129093	JOHNSON B	10/1/1984		LUZERNE	41.14250	-75.92167	200	OPEN HOLE	15	30	DOMESTIC
129094	LORD S	3/5/1980		LUZERNE	41.29611	-76.12333	300	OPEN HOLE	10	100	DOMESTIC
129095	BRANDRETH D	9/1/1980		LUZERNE	41.25889	-76.17722	230	OPEN HOLE	5	180	DOMESTIC
129096	PATLA CHARLES	7/20/1970		LUZERNE	41.28722	-76.20917	280		9.5	64	DOMESTIC
129097	SEPRISH ED	8/1/1988		LUZERNE	41.31972	-76.16611	500	OPEN HOLE	0.5	70	DOMESTIC
129098	BULFORD	12/1/1988		LUZERNE	41.14444	-76.19694	330	OPEN HOLE	4	25	DOMESTIC
129099	STRUNGIS B	1/1/1984		LUZERNE	41.26000	-76.18861	405	OPEN HOLE	1	50	DOMESTIC
129100	AUCHUS D	10/24/1984		LUZERNE	41.26694	-76.15528	325	OPEN HOLE	10		DOMESTIC
129101	MASTERS DALE	6/1/1988		LUZERNE	41.29139	-76.16806	250	OPEN HOLE	5	40	DOMESTIC
129102	HOOVER G	1/18/1987		LUZERNE	41.29083	-76.14139	360	OPEN HOLE	2		DOMESTIC
129103	ROGINSKI FRANK	3/28/1988		LUZERNE	41.27611	-76.15861	345	OPEN HOLE	30	180	DOMESTIC

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129104	FIVE MT. CLUB	2/2/1984		LUZERNE	41.29083	-76.15917	172	OPEN HOLE	15		DOMESTIC
129105	DOMBOWSKI JERRY	9/1/1987		LUZERNE	41.26750	-76.15500	150	OPEN HOLE	6	20	DOMESTIC
129111	STROUD RICHARD	1/1/1966		LUZERNE	41.29361	-76.12583	141	OPEN HOLE	10	38	DOMESTIC
129112	GAYESKI JOHN	1/1/1966		LUZERNE	41.26806	-76.15250	160	OPEN HOLE	7	41	DOMESTIC
129113	RODZINAK THOMAS	1/1/1966		LUZERNE	41.25083	-76.16056	140	OPEN HOLE	10	37	DOMESTIC
129114	QUCKUS WM	1/1/1968		LUZERNE	41.26056	-76.18750	112	OPEN HOLE	12	16	DOMESTIC
129115	ROSS TWP	1/1/1966		LUZERNE	41.25472	-76.18056	212	OPEN HOLE	18	47	DOMESTIC
129116	SCOTT ROSS	1/1/1966		LUZERNE	41.25861	-76.17222	184	OPEN HOLE	20	32	DOMESTIC
129117	SCOTT ROBERT	1/1/1966		LUZERNE	41.28944	-76.14583	184	OPEN HOLE	20	32	DOMESTIC
129118	MAJOR RUSSEL	1/1/1967		LUZERNE	41.27944	-76.14694	195	OPEN HOLE	32		INDUSTRIAL
129119	KNAPISH STANLEY	1/1/1967		LUZERNE	41.29306	-76.13028	270	OPEN HOLE	15	202	DOMESTIC
129120	OUCKUS WM	1/1/1969		LUZERNE	41.25806	-76.14917	112	OPEN HOLE	12	20	DOMESTIC
129121	POST HAROLD	1/1/1969		LUZERNE	41.24750	-76.21750	136	OPEN HOLE	20	48	DOMESTIC
129122	WESTON DARREL	1/1/1969		LUZERNE	41.25583	-76.15389	280	OPEN HOLE	4	46	DOMESTIC
129123	MAJOR GEORGE	1/1/1969		LUZERNE	41.24722	-76.21750	99	OPEN HOLE	24	20	DOMESTIC
129124	DOHER JOSEPH	1/1/1969		LUZERNE	41.25694	-76.15917	130	OPEN HOLE	16	20	DOMESTIC
129125	MOSS LOREN	1/1/1969		LUZERNE	41.27361	-76.15056	172	OPEN HOLE	6	27	DOMESTIC
129126	MUSIAL ED	1/1/1970		LUZERNE	41.27056	-76.15056	139	OPEN HOLE	20	68	DOMESTIC
129127	LAIDACKER ROBT	1/1/1969		LUZERNE	41.26111	-76.14889	188	OPEN HOLE	6	52	DOMESTIC
129128	LANE DELBERT	1/1/1970		LUZERNE	41.24611	-76.19750	156	OPEN HOLE	10		DOMESTIC
129129	FOSS TOM	1/1/1970		LUZERNE	41.28278	-76.14500	128	OPEN HOLE	10	18	DOMESTIC
129130	THOMAS WAYNE	1/1/1969		LUZERNE	41.22056	-76.20500	173	OPEN HOLE	20	64	DOMESTIC
129131	KOSHINSKI JOHN	1/1/1968		LUZERNE	41.25778	-76.14417	156	OPEN HOLE	15	8	DOMESTIC
129132	WOLFE WALTER	1/1/1967		LUZERNE	41.29000	-76.14028	173	OPEN HOLE	24	63	DOMESTIC
129133	PARTINGTON	1/1/1968		LUZERNE	41.24611	-76.19750	212	OPEN HOLE	5	65	DOMESTIC
129134	LEWIS LESTER	1/1/1968		LUZERNE	41.25583	-76.15083	191	OPEN HOLE	18	40	DOMESTIC
129135	PPL COMPANY	8/26/1981		LUZERNE	41.09389	-76.14611	225	OPEN HOLE	35	7	PUBLIC SUPPLY
129136	DAGOSTINE W	10/11/1982		LUZERNE	41.07278	-76.21194	550	OPEN HOLE	12		DOMESTIC
129137	HONSE JOE	8/9/1978		LUZERNE	41.10111	-76.17056	100		8		DOMESTIC
129138	JOHNSON R	5/14/1982		LUZERNE	41.11222	-76.16417	200	OPEN HOLE	5		DOMESTIC
129139	SEELLY E	9/8/1980		LUZERNE	41.09333	-76.16944	100	OPEN HOLE			DOMESTIC
129140	BAKER W	11/25/1981		LUZERNE	41.08056	-76.18861	325	OPEN HOLE	5		DOMESTIC

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129141	BENSCOTER L	5/18/1982		LUZERNE	41.07444	-76.15167	128	OPEN HOLE	12		DOMESTIC
129142	SEELY E	9/9/1980		LUZERNE	41.09167	-76.16917	55	OPEN HOLE			DOMESTIC
129143	SHUMAN S	3/12/1982		LUZERNE	41.06778	-76.17472	410	OPEN HOLE	40		DOMESTIC
129144	DAGOSTINE W	8/10/1982		LUZERNE	41.08000	-76.19667	350	OPEN HOLE	3		DOMESTIC
129145	YARON D	10/13/1988		LUZERNE	41.07222	-76.14000	450	OPEN HOLE	10		DOMESTIC
129146	JOHNSON B	1/28/1988		LUZERNE	41.10111	-76.22833	150	OPEN HOLE	10		DOMESTIC
129147	FEDORCO M	8/31/1983		LUZERNE	41.08278	-76.18611	340	OPEN HOLE	1		DOMESTIC
129148	CRANE L	10/25/1984		LUZERNE	41.14000	-76.20333	200	OPEN HOLE	4		DOMESTIC
129149	BANKES R	1/5/1984		LUZERNE	41.15000	-76.16278	150	OPEN HOLE	10		DOMESTIC
129150	LUNDY CONSTRUCTION	3/10/1987		LUZERNE	41.06806	-76.16417	325	OPEN HOLE	110		DOMESTIC
129151	DELLEGROTTI P	4/13/1987		LUZERNE	41.07056	-76.22778	150	OPEN HOLE	15		DOMESTIC
129152	BECHTOLD S	6/22/1987		LUZERNE	41.08000	-76.15861	150	OPEN HOLE	40		DOMESTIC
129153	DESCHAINE B	9/16/1987		LUZERNE	41.09139	-76.21528	450	OPEN HOLE	4		DOMESTIC
129154	DESCHAINE B	9/15/1987		LUZERNE	41.09083	-76.21472	450	OPEN HOLE	3		DOMESTIC
129155	CRANE N	9/26/1986		LUZERNE	41.08556	-76.15306	400	OPEN HOLE	2		DOMESTIC
129156	EDWARDS B	7/18/1984		LUZERNE	41.07722	-76.22389	175	OPEN HOLE	6		DOMESTIC
129157	BUCK J	8/15/1986		LUZERNE	41.07722	-76.20694	125	OPEN HOLE	15		DOMESTIC
129158	KRAMER B	5/29/1986		LUZERNE	41.07361	-76.17889	300	OPEN HOLE	1.5		DOMESTIC
129159	KYTTLE O	5/1/1985		LUZERNE	41.11111	-76.19306	200	OPEN HOLE	4		DOMESTIC
129160	MASON JR. R	8/23/1985		LUZERNE	41.07778	-76.22361	250	OPEN HOLE	5		DOMESTIC
129161	LAUBACH B	7/16/1985		LUZERNE	41.10889	-76.21167	225	OPEN HOLE	5		DOMESTIC
129162	KECK R	10/21/1985		LUZERNE	41.09389	-76.21694	500	OPEN HOLE	3		DOMESTIC
129163	ZWALHUSKI A	4/13/1984		LUZERNE	41.08944	-76.20083	100	OPEN HOLE	1		DOMESTIC
129164	HART K	10/3/1983		LUZERNE	41.06861	-76.19611	200	OPEN HOLE	5		DOMESTIC
129165	LUCIW T	10/10/1984		LUZERNE	41.10694	-76.18611	150		7		DOMESTIC
129166	DAVIS J	4/28/1983		LUZERNE	41.09083	-76.22333	275	OPEN HOLE	7		DOMESTIC
129167	KEMMER C	8/23/1983		LUZERNE	41.07111	-76.19806	350	OPEN HOLE	4		DOMESTIC
129174	PA POWER &LIGHT	1/1/1973		LUZERNE	41.09250	-76.13167	81	SCREEN	500	8	INDUSTRIAL
129175	PA POWER &LIGHT	1/1/1973		LUZERNE	41.09250	-76.13167	96	PERFORATED			
129176	PA POWER &LIGHT	1/1/1973		LUZERNE	41.09806	-76.13167	54	PERFORATED			
129177	RHINARD VIRGIL	1/1/1966		LUZERNE	41.09778	-76.21417	95	OPEN HOLE	9	25	DOMESTIC
129178	GARRISON IRVIN	1/1/1966		LUZERNE	41.13917	-76.20528	135	OPEN HOLE	30	50	DOMESTIC

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Table 2.3-33 {Groundwater Wells Located within a 25 Mile (40-km) Radius of BBNPP (Listed in Pennsylvania Groundwater Information System)}

PA WELL ID	OWNER	DATE DRILLED	DRILLING METHOD	COUNTY	LATITUDE	LONGITUDE	WELL DEPTH (ft bgs)	WELL FINISH	WELL YIELD (gpm)	STATIC WATER LEVEL (ft bgs)	WATER USE
129179	ZWOLINSKI STEVE	1/1/1967		LUZERNE	41.06944	-76.16750	100	OPEN HOLE	20	15	DOMESTIC
129180	KNORR SAMUEL	1/1/1967		LUZERNE	41.08667	-76.19278	117	OPEN HOLE	8	20	DOMESTIC
129181	HAUGH HAROLD W	1/1/1967		LUZERNE	41.07250	-76.19583	193	OPEN HOLE	2	75	DOMESTIC
129182	GUNTHER BART	1/1/1967		LUZERNE	41.10694	-76.21556	215	OPEN HOLE	4	80	DOMESTIC
129183	ZWOLINSKI S	1/1/1967		LUZERNE	41.07194	-76.17556	85	OPEN HOLE	14	22	DOMESTIC
129184	FULLER MAURICE	1/1/1968		LUZERNE	41.06944	-76.16750	80	OPEN HOLE	32	12	DOMESTIC
129185	DAVENPORT WM	1/1/1968		LUZERNE	41.06722	-76.17639	66		4	14	DOMESTIC
129186	SALEM TWP	1/1/1970		LUZERNE	41.08333	-76.14056	175	OPEN HOLE	12		DOMESTIC
129187	BEACH HAV COM	1/1/1968		LUZERNE	41.06722	-76.16972	51	OPEN HOLE	40	12	DOMESTIC
129188	ROMAN HOMES			LUZERNE	41.06944	-76.16500	125	OPEN HOLE	7		PUBLIC SUPPLY
129189	BURKE RUSSEL			LUZERNE	41.06972	-76.16417	100	OPEN HOLE	8		DOMESTIC
129190	BCH HVN FIRE CO			LUZERNE	41.06806	-76.16167	100	OPEN HOLE	12	40	DOMESTIC
129191	DAVIS WILLIAM			LUZERNE	41.06750	-76.16389	100	OPEN HOLE	6		DOMESTIC
129192	DOLLMAIV WM			LUZERNE	41.06583	-76.16000	150	OPEN HOLE	6		DOMESTIC
129193	ZIETTS ANDY			LUZERNE	41.06611	-76.15778	225	OPEN HOLE	3		DOMESTIC
129194	MOLYNEAUX SHLDN			LUZERNE	41.06917	-76.16639	50	OPEN HOLE	15		DOMESTIC
129195	VARNER ARTHUR			LUZERNE	41.08583	-76.19250	125	OPEN HOLE	7		DOMESTIC
129196	BRADER HERB			LUZERNE	41.08944	-76.18056	100	OPEN HOLE	12		DOMESTIC
129197	GUYER ANTHONY			LUZERNE	41.08500	-76.17333	125	OPEN HOLE	6		DOMESTIC
129198	DIAUGSTINE V			LUZERNE	41.07167	-76.19667	275	OPEN HOLE	4		DOMESTIC
129199	MORGAN PIERCE			LUZERNE	41.06722	-76.21750	125	OPEN HOLE	8	65	DOMESTIC
129200	KESSLER HAROLD			LUZERNE	41.08972	-76.22361	300	OPEN HOLE	5		DOMESTIC
129201	SWITZER JIM			LUZERNE	41.10361	-76.21167	75	OPEN HOLE	6	35	DOMESTIC
129202	KELLER EARL			LUZERNE	41.10444	-76.21167	125	OPEN HOLE	8		DOMESTIC
129203	NAUNCZEK BENNIE			LUZERNE	41.07972	-76.22528	100	OPEN HOLE	12	30	DOMESTIC
129204	NAUNCZEK BENNIE			LUZERNE	41.07417	-76.22750	100	OPEN HOLE	10		DOMESTIC
129205	NAUNCZEK BENNIE			LUZERNE	41.07417	-76.22611	125	OPEN HOLE	15		DOMESTIC
129206	FEISSNOR LARRY			LUZERNE	41.08028	-76.22639	175	OPEN HOLE	10	100	DOMESTIC
129207	PINTERICH ROBT			LUZERNE	41.07306	-76.22556	175	OPEN HOLE	5		DOMESTIC
129208	HILLS COMPANY			LUZERNE	41.08694	-76.22056	250	OPEN HOLE	6		DOMESTIC
129209	BOGART LARUE			LUZERNE	41.09083	-76.20333	125	OPEN HOLE	7		DOMESTIC
129210	BOONER RICHARD			LUZERNE	41.09056	-76.20222	200	OPEN HOLE	25	60	DOMESTIC

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Table 2.3-33 {Groundwater Wells Located within a 25 Mile (40-km) Radius of BBNPP (Listed in Pennsylvania Groundwater Information System)}

PA WELL ID	OWNER	DATE DRILLED	DRILLING METHOD	COUNTY	LATITUDE	LONGITUDE	WELL DEPTH (ft bgs)	WELL FINISH	WELL YIELD (gpm)	STATIC WATER LEVEL (ft bgs)	WATER USE
129211	COWIE ROBERT			LUZERNE	41.09556	-76.19139	615	OPEN HOLE	2	375	DOMESTIC
129212	KARCHNER GERALD			LUZERNE	41.08639	-76.19083	130	OPEN HOLE	10	25	DOMESTIC
129213	DENN THOMAS			LUZERNE	41.08333	-76.18556	125	OPEN HOLE	10		DOMESTIC
129214	KOONS ROBERT			LUZERNE	41.07778	-76.18667	125	OPEN HOLE	6		DOMESTIC
129215	KOONS ROBERT			LUZERNE	41.07750	-76.18556	125	OPEN HOLE	6		DOMESTIC
129216	HONSE GEORGE			LUZERNE	41.10444	-76.17750	150	OPEN HOLE	5		DOMESTIC
129217	KRISANDA JOHN			LUZERNE	41.10139	-76.17139	100	OPEN HOLE	6		DOMESTIC
129218	PETERS FRANK			LUZERNE	41.10556	-76.18056	150	OPEN HOLE	6		DOMESTIC
129219	PETERS FRANK			LUZERNE	41.10556	-76.18056	130	OPEN HOLE	8	10	DOMESTIC
129220	DALBERTO NICK			LUZERNE	41.10694	-76.17444	150	OPEN HOLE	6		DOMESTIC
129221	FATUMA ROMAN			LUZERNE	41.10778	-76.17417	125	OPEN HOLE	8	45	DOMESTIC
129222	SITLER LEMUEL			LUZERNE	41.10917	-76.17778	100	OPEN HOLE	12		DOMESTIC
129223	BLOOM FRANK			LUZERNE	41.11250	-76.19056	150	OPEN HOLE	8		DOMESTIC
129224	HOLLOWAY THOMAS			LUZERNE	41.11306	-76.18361	125	OPEN HOLE	6		DOMESTIC
129225	BAER RUSSEL			LUZERNE	41.10472	-76.15611	125	OPEN HOLE	10		DOMESTIC
129226	HIXON WILLIAM			LUZERNE	41.11778	-76.16611	175	OPEN HOLE	6		DOMESTIC
129227	GRISBELL WM			LUZERNE	41.12278	-76.16778	110	OPEN HOLE	10		DOMESTIC
129228	GROOVER	6/1/1988		LUZERNE	41.15361	-76.15500	100	OPEN HOLE	40	20	DOMESTIC
129229	WOOD V	12/5/1988		LUZERNE	41.15167	-76.15750	225	OPEN HOLE	7		DOMESTIC
129233	BARRATTA D	5/1/1983		LUZERNE	41.13611	-76.07222	160	OPEN HOLE	15	10	DOMESTIC
129234	WALCK J	3/1/1983		LUZERNE	41.15167	-76.01944	220	OPEN HOLE	20	25	DOMESTIC
129235	PLEISCOTT H	9/1/1982		LUZERNE	41.13500	-76.01833	300	OPEN HOLE	8	30	DOMESTIC
129236	DONINETZ L	7/1/1982		LUZERNE	41.14056	-76.04889	240	OPEN HOLE	9	15	DOMESTIC
129237	MARTIN W	8/1/1981		LUZERNE	41.13444	-76.01611	345	OPEN HOLE	2	85	DOMESTIC
129238	PELCZAR F	11/1/1981		LUZERNE	41.13778	-76.01861	300	OPEN HOLE	4	25	DOMESTIC
129239	RITZ J	8/1/1980		LUZERNE	41.13222	-76.08500	200	OPEN HOLE	15	30	DOMESTIC
129240	VANFOSSEN W	3/1/1981		LUZERNE	41.15306	-76.02333	280	OPEN HOLE	5	20	DOMESTIC
129241	JOHNS D	8/1/1977		LUZERNE	41.13389	-76.04389	125	OPEN HOLE	20	30	DOMESTIC
129242	WASELUS P	6/1/1980		LUZERNE	41.13111	-76.04611	300	OPEN HOLE	3	35	DOMESTIC
129243	BALLIET C	9/1/1980		LUZERNE	41.13111	-76.04833	200	OPEN HOLE	12	25	DOMESTIC
129244	BALLIET J	9/1/1979		LUZERNE	41.14222	-76.04722	225	OPEN HOLE	12	50	DOMESTIC
129245	DINGFIELD W	8/1/1979		LUZERNE	41.13056	-76.04722	200	OPEN HOLE	30	30	DOMESTIC

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129246	LEWANDOWSKI L	9/1/1984		LUZERNE	41.15056	-76.02056	300	OPEN HOLE	8		DOMESTIC
129247	STEWART D	5/1/1980		LUZERNE	41.13222	-76.04722	285	OPEN HOLE	8	40	DOMESTIC
129248	STEWART CARY	9/21/1974		LUZERNE	41.13472	-76.03528	195		8		DOMESTIC
129249	FINE FRANK	8/20/1975		LUZERNE	41.15083	-76.00556	250		3		DOMESTIC
129250	JOHNSON EARL	8/2/1975		LUZERNE	41.14778	-76.01889	150		20		DOMESTIC
129251	SMITH MARK	11/20/1978		LUZERNE	41.13111	-76.04889	160		20	35	DOMESTIC
129252	ECKROTE R	9/1/1981		LUZERNE	41.13444	-76.01778	315	OPEN HOLE	4	8	DOMESTIC
129253	EVANS L	9/1/1980		LUZERNE	41.11944	-76.06722	185	OPEN HOLE	18	20	DOMESTIC
129254	OGIN L	10/1/1980		LUZERNE	41.11972	-76.06722	210	OPEN HOLE	7	25	DOMESTIC
129255	ANDES B	11/1/1984		LUZERNE	41.15139	-75.99000	250	OPEN HOLE	8	40	DOMESTIC
129256	MATYAS ALICE	7/1/1988		LUZERNE	41.12833	-76.04694	500	OPEN HOLE	1	20	DOMESTIC
129257	GALLAGHER JOE	8/1/1988		LUZERNE	41.16222	-75.98333	375	OPEN HOLE	2	30	DOMESTIC
129258	SIEGAL	6/1/1988		LUZERNE	41.15500	-75.99333	250	OPEN HOLE	10	20	DOMESTIC
129259	DOTZEL STEVE	3/1/1989		LUZERNE	41.14917	-76.00278	260	OPEN HOLE	10	25	DOMESTIC
129260	SPAIDE LACORTE	8/1/1988		LUZERNE	41.14944	-76.02056	300	OPEN HOLE	3	20	DOMESTIC
129261	KARPINSKI	9/1/1988		LUZERNE	41.15250	-76.00222	175	OPEN HOLE	20	40	DOMESTIC
129262	HUNSINGER	1/1/1989		LUZERNE	41.14750	-76.00389	275	OPEN HOLE	5	35	DOMESTIC
129263	CALLAHAN	9/1/1988		LUZERNE	41.14556	-76.00417	345	OPEN HOLE	3	25	DOMESTIC
129264	MASKINAS	1/1/1989		LUZERNE	41.12833	-76.04556	300	OPEN HOLE	7	40	DOMESTIC
129265	RINEHIMER RICH	7/1/1987		LUZERNE	41.15056	-76.01361	275	OPEN HOLE	4		DOMESTIC
129266	CASMERSKI	1/1/1988		LUZERNE	41.13028	-76.04528	375	OPEN HOLE	3		DOMESTIC
129267	CIESLA	10/1/1987		LUZERNE	41.13083	-76.04389	405	OPEN HOLE	1.5		DOMESTIC
129268	HAPINSKI	6/1/1987		LUZERNE	41.12694	-76.04056	360	OPEN HOLE	3		DOMESTIC
129269	HAYDT	3/1/1988		LUZERNE	41.12278	-76.04472	225	OPEN HOLE	8		DOMESTIC
129270	SAFKO	3/1/1987		LUZERNE	41.12833	-76.04333	175	OPEN HOLE	20	25	DOMESTIC
129271	STRELECKI	6/1/1986		LUZERNE	41.14028	-76.05139	175	OPEN HOLE	12	30	DOMESTIC
129272	RINEHIMER LESTER	12/1/1986		LUZERNE	41.13611	-76.03417	300	OPEN HOLE	0.5	20	DOMESTIC
129273	OGIN CLARK	9/1/1986		LUZERNE	41.14472	-76.04361	275	OPEN HOLE	4	20	DOMESTIC
129274	SPAIDE ED	11/1/1986		LUZERNE	41.14472	-76.04361	250	OPEN HOLE	10	20	DOMESTIC
129275	DEETS A	7/1/1986		LUZERNE	41.13139	-76.04750	270	OPEN HOLE	4	30	DOMESTIC
129276	YEAGER S	3/1/1986		LUZERNE	41.13389	-76.04278	175	OPEN HOLE	7	175	DOMESTIC
129277	ORIN D	9/1/1985		LUZERNE	41.14556	-76.03389	160	OPEN HOLE	15	160	DOMESTIC

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129278	MAJESKI R	9/1/1985		LUZERNE	41.14500	-76.03361	300	OPEN HOLE	3	300	
129279	GRUSHIEWCZ L	8/1/1985		LUZERNE	41.15222	-76.02083	275	OPEN HOLE	5	275	DOMESTIC
129280	ELSENBAUGH T	8/1/1985		LUZERNE	41.16111	-76.00861	275	OPEN HOLE	5	275	DOMESTIC
129281	WHITEBREAD	7/1/1985		LUZERNE	41.15056	-76.02222	190	OPEN HOLE	15		DOMESTIC
129282	KOSLOSKI I	9/1/1985		LUZERNE	41.15194	-76.00444	405	OPEN HOLE	1	405	DOMESTIC
129283	GRAZIONO C	8/1/1984		LUZERNE	41.16083	-76.00028	200	OPEN HOLE	10	35	DOMESTIC
129284	BROWN	7/1/1984		LUZERNE	41.13028	-76.05000	225	OPEN HOLE	25	20	DOMESTIC
129285	SEFRYN D	9/1/1984		LUZERNE	41.15167	-76.02083	250	OPEN HOLE	5	30	DOMESTIC
129286	HOCKO	5/1/1984		LUZERNE	41.14750	-76.03722	275	OPEN HOLE	5	20	DOMESTIC
129287	FALCHEK D	8/1/1984		LUZERNE	41.14917	-76.01694	175	OPEN HOLE	10	25	DOMESTIC
129288	KAMINSKI J	2/1/1985		LUZERNE	41.15250	-76.00167	300	OPEN HOLE	3	50	DOMESTIC
129289	SCWARTZ P	9/1/1984		LUZERNE	41.15083	-76.02389	375	OPEN HOLE	8	40	DOMESTIC
129290	EVANCHO E	6/1/1983		LUZERNE	41.13861	-76.04833	197	OPEN HOLE	10		DOMESTIC
129291	KAMIONKA A	9/1/1983		LUZERNE	41.13861	-76.06694	200	OPEN HOLE	7	20	DOMESTIC
129292	DOTZEL N	5/1/1984		LUZERNE	41.14889	-76.01583	360	OPEN HOLE	2	25	DOMESTIC
129293	RAMINSKI	7/1/1988		LUZERNE	41.14333	-76.00500	350	OPEN HOLE	4	30	DOMESTIC
129296	HEISER HARRY J	1/1/1970		LUZERNE	41.15472	-75.97833	69	OPEN HOLE	10	12	DOMESTIC
129297	VALLEY VIEW BUILDERS	7/1/1979		LUZERNE	41.00528	-76.02667	200	OPEN HOLE	25	40	DOMESTIC
129298	VALLEY VIEW BUILDERS	7/1/1979		LUZERNE	41.00500	-76.02667	200	OPEN HOLE	25	30	DOMESTIC
129299	KARCHNER L	3/1/1981		LUZERNE	41.00944	-76.01611	200	OPEN HOLE	25	30	DOMESTIC
129300	THOMAS D	8/1/1981		LUZERNE	41.00500	-76.02639	140	OPEN HOLE	30		DOMESTIC
129301	PRICE R	8/1/1981		LUZERNE	41.00167	-76.01667	380	OPEN HOLE	20	60	DOMESTIC
129302	KNELLY A	7/1/1981		LUZERNE	41.00222	-76.02778	200	OPEN HOLE	30	80	DOMESTIC
129303	VALLEY VIEW BUILDERS	9/1/1978		LUZERNE	41.00083	-76.02778	300	OPEN HOLE	25	50	DOMESTIC
129304	HAGAN THEODORE	6/17/1977		LUZERNE	41.01944	-76.05056	220		25	50	DOMESTIC
129305	LUCHI CONTRACTORS	7/2/1976		LUZERNE	41.01806	-76.07111	155		22	30	DOMESTIC
129306	YOUNG DENNIS	7/1/1976		LUZERNE	41.01778	-76.05944	155		20	40	DOMESTIC
129307	LUCHI LARRY JR	3/24/1976		LUZERNE	41.01472	-76.07222	155		25	40	DOMESTIC
129308	LUCHI MARK	11/13/1976		LUZERNE	41.01917	-76.05167	185		25		DOMESTIC
129309	BOOCK THOMAS	1/25/1977		LUZERNE	41.00778	-76.12444	180		30	20	DOMESTIC
129310	LUCHI MARK	2/1/1977		LUZERNE	41.01917	-76.05056	200		25	40	DOMESTIC
129311	LUCHI CONTRACTORS	2/16/1977		LUZERNE	41.01722	-76.06861	200		20	40	DOMESTIC

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129312	LUCHI CONTRACTORS	1/17/1977		LUZERNE	41.01556	-76.06750	280		30	60	DOMESTIC
129313	LUCHI CONTRACTORS	2/18/1977		LUZERNE	41.01556	-76.06778	200		25	40	DOMESTIC
129314	LUCHI MARK	7/1/1976		LUZERNE	41.01722	-76.06056	140		22	40	DOMESTIC
129315	LUCHI MARK	7/1/1976		LUZERNE	41.01778	-76.06056	146		22	40	DOMESTIC
129316	H AND F CONSTRUCTION	6/8/1977		LUZERNE	41.02222	-76.06500	220		25	30	DOMESTIC
129317	LUCHI BUILDERS	6/7/1977		LUZERNE	41.02111	-76.06611	200		25	20	DOMESTIC
129318	BELUSKO PAUL	7/1/1977		LUZERNE	41.02556	-76.07056	220		25	30	DOMESTIC
129319	LUCHI MARK	3/22/1977		LUZERNE	41.01944	-76.05056	240		25	60	DOMESTIC
129320	KELSHAW DEL	4/1/1977		LUZERNE	41.02111	-76.04889	220		25	40	DOMESTIC
129321	CIBULASH JOHN E	7/1/1977		LUZERNE	41.02556	-76.07028	220		25	30	DOMESTIC
129322	GOULD AND SON	9/4/1976		LUZERNE	41.01806	-76.07111	165		25	20	DOMESTIC
129323	LUCHI MARK	7/1/1978		LUZERNE	41.02111	-76.05167	300	OPEN HOLE	25	60	DOMESTIC
129324	LUCHI CONTRACTORS	4/1/1981		LUZERNE	41.01667	-76.05056	160	OPEN HOLE	30	50	DOMESTIC
129325	WEAVER D	8/1/1978		LUZERNE	41.02111	-76.06611	200	OPEN HOLE	25	60	DOMESTIC
129326	KNORR C	9/1/1978		LUZERNE	41.01778	-76.06056	260	OPEN HOLE	25	40	DOMESTIC
129327	LUCHI CONTRACTORS	5/1/1978		LUZERNE	41.01833	-76.07111	300	OPEN HOLE	25	60	DOMESTIC
129328	HLIVIA J	7/1/1978		LUZERNE	41.02833	-76.08333	160	OPEN HOLE	25	40	DOMESTIC
129329	FORNATARO A	3/1/1978		LUZERNE	41.00278	-76.03556	240	OPEN HOLE	25	40	DOMESTIC
129330	BURGER R	9/1/1977		LUZERNE	41.02833	-76.08389	140		25	25	DOMESTIC
129331	LONZINSKI B	3/1/1978		LUZERNE	41.00250	-76.03667	220	OPEN HOLE	30	25	DOMESTIC
129332	LUCHI BUILDERS	3/21/1978		LUZERNE	41.01583	-76.05306	340	OPEN HOLE	25	100	DOMESTIC
129333	LUCHI BUILDERS	8/1/1977		LUZERNE	41.01556	-76.05306	363	OPEN HOLE	25	45	DOMESTIC
129334	LUCHI BUILDERS	8/1/1977		LUZERNE	41.01667	-76.05056	300	OPEN HOLE	25	50	DOMESTIC
129335	DEOM F	5/1/1978		LUZERNE	41.01889	-76.06056	200	OPEN HOLE	22	40	DOMESTIC
129336	LUCHI BUILDERS	12/1/1977		LUZERNE	41.01722	-76.05917	360	OPEN HOLE	25	60	DOMESTIC
129337	LUCHI CONTRACTORS	9/1/1978		LUZERNE	41.02722	-76.08722	140	OPEN HOLE	25	20	DOMESTIC
129338	BLOSS E	9/1/1983		LUZERNE	41.00944	-76.04778	240	OPEN HOLE	20	70	DOMESTIC
129339	FIDISHIN S	11/1/1978		LUZERNE	41.02889	-76.08417	180	OPEN HOLE	25		DOMESTIC
129340	LUCHI BUILDERS	1/1/1978		LUZERNE	41.02056	-76.05278	360	OPEN HOLE	25	50	DOMESTIC
129341	SHARPE R	9/1/1977		LUZERNE	41.02000	-76.04833	220	OPEN HOLE	30	50	DOMESTIC
129342	LUCHI MARK	5/1/1978		LUZERNE	41.01944	-76.05222	300	OPEN HOLE	20	70	DOMESTIC
129343	STANZOLIA	9/7/1979		LUZERNE	40.97278	-76.07278	210		15		DOMESTIC

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Table 2.3-33 {Groundwater Wells Located within a 25 Mile (40-km) Radius of BBNPP (Listed in Pennsylvania Groundwater Information System)}

PA WELL ID	OWNER	DATE DRILLED	DRILLING METHOD	COUNTY	LATITUDE	LONGITUDE	WELL DEPTH (ft bgs)	WELL FINISH	WELL YIELD (gpm)	STATIC WATER LEVEL (ft bgs)	WATER USE
129344	KOHUT MICHEL	9/1/1978		LUZERNE	40.97278	-76.07389	290		10	10	DOMESTIC
129345	KOHUT HELLEN	9/1/1978		LUZERNE	40.97222	-76.07333	280		10	30	DOMESTIC
129346	HILMAR ENTERPRIZES	3/21/1976		LUZERNE	40.99861	-76.10639	170		20	40	DOMESTIC
129347	BROTOSKY FRANCIS	2/1/1977		LUZERNE	40.97000	-76.09444	140		30	15	DOMESTIC
129348	GOULD JOHN	5/13/1977		LUZERNE	40.99833	-76.07111	364		25	30	DOMESTIC
129349	STISH G	6/1/1978		LUZERNE	40.98778	-76.08417	160	OPEN HOLE	25	20	DOMESTIC
129350	FALVELLO A	2/1/1978		LUZERNE	40.99778	-76.05000	220	OPEN HOLE	25	45	DOMESTIC
129351	GIOVANIA	8/1/1978		LUZERNE	40.99833	-76.10444	200	OPEN HOLE	20	80	DOMESTIC
129352	LESCOTT INC	5/1/1979		LUZERNE	40.99833	-76.10611	125	OPEN HOLE	8		DOMESTIC
129353	GIOVANIA	7/1/1978		LUZERNE	40.99889	-76.10611	240	OPEN HOLE	25	50	DOMESTIC
129354	KOHLER G	3/1/1978		LUZERNE	40.97333	-76.06806	220	OPEN HOLE	25	40	DOMESTIC
129355	GIOVANNI ASSOCIATES	8/1/1978		LUZERNE	40.99861	-76.10750	200	OPEN HOLE	25	30	DOMESTIC
129356	GIOVANNI ASSOCIATES	8/1/1978		LUZERNE	40.99861	-76.10778	200	OPEN HOLE	25	30	DOMESTIC
129357	HOLY ANNUN MONASTERY	8/22/1983		LUZERNE	40.99639	-76.11389	200	OPEN HOLE	15	70	INSTITUTIONAL
129358	PETROVICH TED	10/1/1975		LUZERNE	41.00583	-76.12111	185		20	30	DOMESTIC
129359	BEST MART	12/1/1988		LUZERNE	40.98722	-76.06556	200	OPEN HOLE	12	20	DOMESTIC
129360	COOK	9/1/1988		LUZERNE	40.98194	-76.05083	300	OPEN HOLE	10	35	DOMESTIC
129361	SENAPE A	11/1/1988		LUZERNE	40.99083	-76.03250	280	OPEN HOLE	25	70	DOMESTIC
129362	SCATTON	12/1/1988		LUZERNE	41.02222	-76.06389	240	OPEN HOLE	20	50	DOMESTIC
129363	PIMBLE T	5/1/1988		LUZERNE	41.03250	-76.07611	380	OPEN HOLE	10	80	DOMESTIC
129364	PORECA R	9/1/1988		LUZERNE	40.97500	-76.10056	380	OPEN HOLE	12	100	DOMESTIC
129365	FOAMANOWSKI S	3/1/1988		LUZERNE	41.10917	-76.13194	300	OPEN HOLE	15	45	DOMESTIC
129366	ZOLA	9/1/1987		LUZERNE	40.99500	-76.03389	200	OPEN HOLE	15	60	DOMESTIC
129367	LUCHI	10/1/1987		LUZERNE	41.01694	-76.07500	180	OPEN HOLE	18	26	DOMESTIC
129368	LUCHI	11/1/1987		LUZERNE	41.01611	-76.07472	500	OPEN HOLE	8	75	DOMESTIC
129369	HORNBUCKLE K	11/1/1987		LUZERNE	40.99222	-76.06417	160	OPEN HOLE	20	27	DOMESTIC
129370	LOCHI S	5/1/1987		LUZERNE	41.01444	-76.06861	180		15	60	DOMESTIC
129371	LUCHI CONSTRUCTORS	8/1/1986		LUZERNE	41.01333	-76.07500	200	OPEN HOLE	15	35	DOMESTIC
129372	SCATTON A	9/1/1987		LUZERNE	41.01944	-76.05306	200	OPEN HOLE	12	4	DOMESTIC
129373	ALLEGRETTO T	6/1/1986		LUZERNE	41.02028	-76.08972	160	OPEN HOLE	20	20	DOMESTIC
129374	BAZIER J	4/30/1986		LUZERNE	41.00139	-76.05250	240	OPEN HOLE	15	40	DOMESTIC
129375	METZGER J	7/1/1985		LUZERNE	40.99694	-76.08889	121	OPEN HOLE	12	26	DOMESTIC

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Table 2.3-33 {Groundwater Wells Located within a 25 Mile (40-km) Radius of BBNPP (Listed in Pennsylvania Groundwater Information System)}

PA WELL ID	OWNER	DATE DRILLED	DRILLING METHOD	COUNTY	LATITUDE	LONGITUDE	WELL DEPTH (ft bgs)	WELL FINISH	WELL YIELD (gpm)	STATIC WATER LEVEL (ft bgs)	WATER USE
129399	SIPENSKI RCHRD	1/1/1969		LUZERNE	41.02417	-76.08167	235	OPEN HOLE	20	160	DOMESTIC
129400	LANDIS TOM	1/1/1968		LUZERNE	40.98472	-76.04000	133	OPEN HOLE	20		DOMESTIC
129401	FOLDES JULIUS	1/1/1968		LUZERNE	40.99694	-76.04556	158	OPEN HOLE	27		DOMESTIC
129402	SUGARLOAF GOLF	1/1/1967		LUZERNE	40.99417	-76.03806	110	OPEN HOLE	20	60	DOMESTIC
129403	JAMES WALTER	1/1/1966		LUZERNE	41.05806	-75.95306	118	OPEN HOLE	15	40	DOMESTIC
129404	ZIONS JOHN	1/1/1966		LUZERNE	41.02722	-76.08389	102	OPEN HOLE	8	40	DOMESTIC
129405	SUGARLOAF GOLF	1/1/1969		LUZERNE	40.98667	-76.03778	158	OPEN HOLE	4		DOMESTIC
129406	SUGARLOAF GOLF	1/1/1969		LUZERNE	40.98667	-76.03778	100	OPEN HOLE	8		DOMESTIC
129407	HOCH WM	1/1/1971		LUZERNE	41.01083	-75.95306	204	OPEN HOLE	6	90	DOMESTIC
129408	HOUSEKNECHT D	1/1/1971		LUZERNE	41.00083	-76.07750	256	OPEN HOLE	7	94	DOMESTIC
129409	KNELLY PAUL	1/1/1970		LUZERNE	40.98972	-76.04722	108	OPEN HOLE	9	30	DOMESTIC
129410	KNELLY WILLIS	1/1/1969		LUZERNE	40.98639	-76.03833	130	OPEN HOLE	12	60	DOMESTIC
129411	ZILLIG GEO	1/1/1970		LUZERNE	41.01250	-76.04278	150	OPEN HOLE	6	50	DOMESTIC
129412	BILLHIMER EDWRD	1/1/1970		LUZERNE	41.02250	-76.08444	234	OPEN HOLE	6	109	DOMESTIC
129413	WHEELER DON	1/1/1970		LUZERNE	40.99167	-76.03139	218	OPEN HOLE	6	100	DOMESTIC
129414	DAVENPORT R	11/1/1980		LUZERNE	41.19944	-76.14278	300		4	10	DOMESTIC
129415	SYLVANIA MASONIC LDG	3/16/1977		LUZERNE	41.19889	-76.14278	123		8	8	PUBLIC SUPPLY
129416	TORKOWSKI F	2/1/1989		LUZERNE	41.22333	-76.19000	600	OPEN HOLE	3		DOMESTIC
129417	TORKOWSKI F	2/1/1989		LUZERNE	41.22472	-76.18889	500	OPEN HOLE	10		DOMESTIC
129418	MARTZ JERRY	8/1/1987		LUZERNE	41.23611	-76.15361	25	OPEN HOLE	5	65	DOMESTIC
129419	ALOSI A	11/22/1988		LUZERNE	41.21528	-76.14778	595	OPEN HOLE	1		DOMESTIC
129420	BUTCHO H	9/1/1988		LUZERNE	41.19917	-76.17556	320	OPEN HOLE	1		DOMESTIC
129421	WARD R	10/1/1983		LUZERNE	41.20056	-76.16750	400	OPEN HOLE	5	60	DOMESTIC
129422	GLACAMMARA T	10/1/1983		LUZERNE	41.19833	-76.17667	510	OPEN HOLE	0.5	60	DOMESTIC
129423	KALINOWSKI B	11/23/1984		LUZERNE	41.19778	-76.19944	300		4		
129424	HUFFMAN D	5/11/1985		LUZERNE	41.19944	-76.13417	100	OPEN HOLE	30		DOMESTIC
129425	WEST D	1/25/1987		LUZERNE	41.18778	-76.12556	300	OPEN HOLE	12		DOMESTIC
129426	KRUSHKA JOSEPHINE	8/1/1988		LUZERNE	41.18722	-76.16833	135	OPEN HOLE	14	40	DOMESTIC
129427	STRAUSSER CONST.	10/21/1987		LUZERNE	41.19111	-76.14694	225	OPEN HOLE	35		DOMESTIC
129428	EDWARDS G	10/1/1985		LUZERNE	41.22861	-76.16222	303	OPEN HOLE	6		DOMESTIC
129429	KUC GLOVIA	7/1/1987		LUZERNE	41.21694	-76.17472	160	OPEN HOLE	30	30	DOMESTIC
129435	CROSS RONALD	1/1/1969		LUZERNE	41.17833	-76.18333	120	OPEN HOLE	10	73	DOMESTIC

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PA WELL ID	OWNER	DATE DRILLED	DRILLING METHOD	COUNTY	LATITUDE	LONGITUDE	WELL DEPTH (ft bgs)	WELL FINISH	WELL YIELD (gpm)	STATIC WATER LEVEL (ft bgs)	WATER USE
129436	LEUT WM	1/1/1966		LUZERNE	41.19889	-76.17778	180	OPEN HOLE	3	40	DOMESTIC
129437	BALCHUM STANLEY	1/1/1966		LUZERNE	41.16889	-76.16528	100	OPEN HOLE	7	30	DOMESTIC
129438	HARRISON A	1/1/1966		LUZERNE	41.20556	-76.20306	196	OPEN HOLE	5		DOMESTIC
129439	HARRISON FRED	1/1/1967		LUZERNE	41.19417	-76.17361	145	OPEN HOLE	35	21	DOMESTIC
129440	MCMICHAEL KEITH	1/1/1967		LUZERNE	41.21667	-76.15056	100	OPEN HOLE	15	30	DOMESTIC
129441	GENSEL DONALD	1/1/1967		LUZERNE	41.18556	-76.17028	210	OPEN HOLE	100	20	DOMESTIC
129442	LIPKA STEVEN	1/1/1967		LUZERNE	41.22833	-76.16000	123	OPEN HOLE	20	60	DOMESTIC
129443	KIVLER IRENE	1/1/1968		LUZERNE	41.18500	-76.16889	175	OPEN HOLE	20	25	DOMESTIC
129444	TRUCHON EUGENIA	1/1/1968		LUZERNE	41.19917	-76.16417	155	OPEN HOLE	3	20	DOMESTIC
129445	GENSEL DANIEL	1/1/1968		LUZERNE	41.18583	-76.16139	180	OPEN HOLE	4	35	DOMESTIC
129446	LACHETTE JOSEPH	2/24/1976		LUZERNE	41.06000	-75.77778	125		60		DOMESTIC
129447	CORAZZO L	10/1/1985		LUZERNE	41.06250	-75.78000	250	OPEN HOLE	8	250	DOMESTIC
129449	SHRASKY JOHNS	1/1/1968		LUZERNE	41.05028	-75.77722	155	OPEN HOLE	9	50	DOMESTIC
129450	MILLEN R	5/1/1982		LUZERNE	41.13250	-75.91500	175	OPEN HOLE	5	15	DOMESTIC
129451	CEBULLA M	12/1/1981		LUZERNE	41.12083	-75.94889	300	OPEN HOLE	4	35	DOMESTIC
129452	SAMO	1/1/1988		LUZERNE	41.12056	-75.94167	250	OPEN HOLE	10		DOMESTIC
129453	BARRY FLORAL SHOP	10/1/1986		LUZERNE	41.12056	-75.93972	200	OPEN HOLE	20	20	DOMESTIC
129454	WILLIAMS RON	8/1/1988		LUZERNE	41.10972	-75.94444	275	OPEN HOLE	5	40	DOMESTIC
129455	KEMMEREN K	7/1/1985		LUZERNE	41.11056	-75.94556	345	OPEN HOLE	30	345	DOMESTIC
129456	CERTAIN TEED	8/1/1988		LUZERNE	41.12750	-75.87972	390	OPEN HOLE	60	30	INDUSTRIAL
129457	WHITEBREAD	2/1/1989		LUZERNE	41.10889	-75.94333	375	OPEN HOLE	2	35	DOMESTIC
129458	BEHEZAK	9/1/1988		LUZERNE	41.09778	-75.92972	250	OPEN HOLE	12	20	DOMESTIC
129459	STRUBLE	1/1/1989		LUZERNE	41.12444	-75.93639	275	OPEN HOLE	5	30	DOMESTIC
129460	KENTHACK LOUISE	1/1/1989		LUZERNE	41.10111	-75.94361	250	OPEN HOLE	5	30	DOMESTIC
129461	POHOLEK	1/1/1989		LUZERNE	41.12333	-75.93000	300	OPEN HOLE	10	35	DOMESTIC
129462	SAMO	2/1/1988		LUZERNE	41.12056	-75.94250	250	OPEN HOLE	10	40	DOMESTIC
129463	MCDOWELL	3/1/1987		LUZERNE	41.13167	-75.95861	190	OPEN HOLE	25	40	DOMESTIC
129464	GOLDEN	7/1/1986		LUZERNE	41.12278	-75.95833	225	OPEN HOLE	10	35	DOMESTIC
129465	AYRES A	9/1/1984		LUZERNE	41.12167	-75.89722	300	OPEN HOLE	3	40	DOMESTIC
129466	EUSTICE D	6/1/1983		LUZERNE	41.10111	-75.94278	225	OPEN HOLE	30	35	DOMESTIC
129467	KENTHOCK T	1/1/1984		LUZERNE	41.10500	-75.94083	250	OPEN HOLE	6	25	DOMESTIC
129468	EYERMAN P	6/1/1983		LUZERNE	41.11861	-75.95583	300	OPEN HOLE	4	20	DOMESTIC

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Table 2.3-33 {Groundwater Wells Located within a 25 Mile (40-km) Radius of BBNPP (Listed in Pennsylvania Groundwater Information System)}

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129469	ATIVILLA	3/1/1989		LUZERNE	41.14944	-75.95833	225	OPEN HOLE	12	20	DOMESTIC
129470	DIBITIS	9/1/1984		LUZERNE	41.12139	-75.94028	195	OPEN HOLE	8	20	DOMESTIC
129474	BOCCI	1/1/1967		LUZERNE	41.13806	-75.91194	200	OPEN HOLE	35	24	DOMESTIC
129475	WYCHOCK JOS	1/1/1967		LUZERNE	41.13944	-75.91194	201	OPEN HOLE	40	20	DOMESTIC
129842	LUNGER LYNN	1/1/1971		LYCOMING	41.24139	-76.59417	45	OPEN HOLE	6	13	DOMESTIC
129844	JENZANE JOS J	1/1/1967		LYCOMING	41.26278	-76.58250	52	OTHER	50	7	DOMESTIC
129845	SMITH CHAS	1/1/1969		LYCOMING	41.19861	-76.60806	200	OPEN HOLE	4	90	DOMESTIC
129925	JORDAN TWP SPVRS	11/1/1982		LYCOMING	41.24833	-76.52139	73	OPEN HOLE	12		
129926	REIRCHEL J	3/30/1976		LYCOMING	41.24306	-76.50083	175	OPEN HOLE	6		DOMESTIC
129927	NEWMAN HERBERT	1/1/1970		LYCOMING	41.18611	-76.56000	139	OPEN HOLE	15	50	DOMESTIC
129928	CHARLES BRUCE	1/1/1966		LYCOMING	41.23667	-76.50333	115	OPEN HOLE	7	60	DOMESTIC
129929	WOODSIDE CARL	1/1/1966		LYCOMING	41.24917	-76.53250	130	OPEN HOLE	5	55	DOMESTIC
133256	SMITH CONSTRUCT	1/1/1966		MONTOUR	40.96861	-76.52083	60	OPEN HOLE	2	3	INDUSTRIAL
133257	CLEWELL VENDING	1/1/1967		MONTOUR	40.96417	-76.54472	88	OPEN HOLE	10	8	DOMESTIC
133258	TYLER R	3/1/1984		MONTOUR	40.95944	-76.60611	223	OPEN HOLE	30		DOMESTIC
133259	T R W			MONTOUR	40.95583	-76.60972	200	OPEN HOLE	450		INDUSTRIAL
133260	WILLIAMS RICK	8/1/1987		MONTOUR	41.09722	-76.63083	140	OPEN HOLE	6	140	STOCK
133268	WATSON A	4/1/1985		MONTOUR	41.11500	-76.63194	130	OPEN HOLE	15		DOMESTIC
133269	RYAN B	7/1/1981		MONTOUR	41.11306	-76.62972	270	OPEN HOLE	1.5	18	DOMESTIC
133272	SPRINGER E			MONTOUR	41.09833	-76.63389	55		10		DOMESTIC
133281	JIMMY HOLDREN	1/1/1966		MONTOUR	41.10833	-76.63472	225	OPEN HOLE	2	5	DOMESTIC
133283	LAUBACH JAMES	1/1/1966		MONTOUR	41.11722	-76.63333	70	OPEN HOLE	30	20	DOMESTIC
133284	HOLDEN GEORGE A	1/1/1966		MONTOUR	41.11667	-76.63056	170	OPEN HOLE	20	25	DOMESTIC
133286	DEWALD ALLEN	1/1/1966		MONTOUR	41.11806	-76.63056	415	OPEN HOLE		15	DOMESTIC
133287	DEWALD ALLEN	1/1/1967		COLUMBIA	41.11944	-76.62500	130	OPEN HOLE	2	8	DOMESTIC
133288	DEWALD ALLEN	1/1/1967		COLUMBIA	41.11667	-76.61806	170	OPEN HOLE			DOMESTIC
133289	DEWALD ALLEN	1/1/1966		COLUMBIA	41.10833	-76.62083	215	OPEN HOLE	8	20	DOMESTIC
133295	HOLDEN GEORGE A	1/1/1968		MONTOUR	41.11639	-76.63056	155	OPEN HOLE	5	6	DOMESTIC
133297	SOMMERS DALE	1/1/1968		MONTOUR	41.11444	-76.63500	304	OPEN HOLE	1	25	DOMESTIC
133298	MERRELL DAVID	1/1/1968		MONTOUR	41.10417	-76.63167	157	SCREEN	6	18	DOMESTIC
133307	BLOOM TRACTOR INC	12/1/1984		MONTOUR	40.96917	-76.54500	60	OPEN HOLE	50		INDUSTRIAL
133308	UNKNOWN	6/1/1986		MONTOUR	40.96306	-76.55944	160	OPEN HOLE			PUBLIC SUPPLY

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Table 2.3-33 {Groundwater Wells Located within a 25 Mile (40-km) Radius of BBNPP (Listed in Pennsylvania Groundwater Information System)}

PA WELL ID	OWNER	DATE DRILLED	DRILLING METHOD	COUNTY	LATITUDE	LONGITUDE	WELL DEPTH (ft bgs)	WELL FINISH	WELL YIELD (gpm)	STATIC WATER LEVEL (ft bgs)	WATER USE
133309	UNKNOWN	6/1/1986		MONTOUR	40.96250	-76.55944	260	OPEN HOLE	7	40	PUBLIC SUPPLY
133310	UNKNOWN	6/1/1986		MONTOUR	40.96194	-76.55944	100	OPEN HOLE	20	18	PUBLIC SUPPLY
133313	ASHENFELDER E	1/1/1966		COLUMBIA	40.96111	-76.50833	115	SCREEN	13	15	DOMESTIC
133314	ADAMS CHESTER	1/1/1967		MONTOUR	40.96389	-76.53750	165	SCREEN	20	60	DOMESTIC
133315	BROWN CATERING	1/1/1968		MONTOUR	40.95556	-76.54722	390	SCREEN	60	115	DOMESTIC
133316	PENNA SPCA	1/1/1968		MONTOUR	40.96528	-76.55556	75	SCREEN	40	35	DOMESTIC
133317	DERR DOYAL	1/1/1966		MONTOUR	40.96278	-76.53806	202	OPEN HOLE	2	102	DOMESTIC
133318	LINKER WILLIAM			MONTOUR	40.96222	-76.56306	123	OPEN HOLE	8		DOMESTIC
133319	ROWAN HOMES			MONTOUR	40.97167	-76.54000	125	OPEN HOLE	8		DOMESTIC
133320	MCCAFFERY ROBT			MONTOUR	40.97167	-76.54000	115	OPEN HOLE	50		DOMESTIC
133322	SMITH J	3/1/1988		MONTOUR	41.04000	-76.61694	207	OPEN HOLE	50	60	DOMESTIC
133326	DAVIS H	7/1/1984		MONTOUR	41.05917	-76.60167	60	OPEN HOLE	50	14	DOMESTIC
133328		3/1/1989		MONTOUR	41.08194	-76.63194	498	OPEN HOLE		8	
133329	SHELTOR L	12/1/1980		MONTOUR	41.08028	-76.64111	300	OPEN HOLE	0.5	285	DOMESTIC
133330	EVERETT F	10/1/1980		MONTOUR	41.02722	-76.62444	497	OPEN HOLE	0.75		DOMESTIC
133338	MOSER FRED	1/1/1967		MONTOUR	41.04833	-76.63889	50	SCREEN	15	5	DOMESTIC
133343	WILSON MARY J	1/1/1969		MONTOUR	41.02889	-76.60556	60	SCREEN	30	2	DOMESTIC
133346	BAKER RICHARD	1/1/1966		MONTOUR	41.04528	-76.62972	84	OPEN HOLE	6	16	DOMESTIC
133347	BROWN SANFORD			MONTOUR	41.08111	-76.62361	273	OPEN HOLE	4		DOMESTIC
133434	SHEPPERGON FRED	3/1/1989		MONTOUR	40.94361	-76.59722	92	OPEN HOLE	20	12	DOMESTIC
133436	ROBBINS S	2/1/1985		MONTOUR	40.94222	-76.58861	43	OPEN HOLE	6	33	DOMESTIC
133443	SNYDER J	1/1/1966		MONTOUR	40.96417	-76.58056	112	OPEN HOLE	8	30	DOMESTIC
133444	HULSIZER D	1/1/1966		MONTOUR	40.95667	-76.57833	124	OPEN HOLE	9		DOMESTIC
133445	FROSTY VALLEY	1/1/1966		MONTOUR	40.97500	-76.56944	213	OPEN HOLE	100		DOMESTIC
133446	HAGENBUCK J	1/1/1966		MONTOUR	40.96417	-76.60056	250	OPEN HOLE	20	140	DOMESTIC
133447	THOS H ROSSCONT	1/1/1966		MONTOUR	40.97806	-76.58222	215	OPEN HOLE	5	60	DOMESTIC
133448	JOHN HUBICKI	1/1/1966		MONTOUR	40.96556	-76.57333	255	OPEN HOLE	4	20	DOMESTIC
133449	CHARLES A CONFE	1/1/1966		MONTOUR	40.96056	-76.58806	190	OPEN HOLE	3	66	DOMESTIC
133450	RUSSELL WEAVER	1/1/1966		MONTOUR	40.96139	-76.58333	190	OPEN HOLE	7	50	DOMESTIC
133451	BLUE	1/1/1966		MONTOUR	40.96278	-76.56778	100	OPEN HOLE	6	8	DOMESTIC
133453	GLENN H	1/1/1967		MONTOUR	40.97806	-76.61583	205	OPEN HOLE	50	55	DOMESTIC
133454	ALBECK K	1/1/1967		MONTOUR	40.96333	-76.57917	216	OPEN HOLE	7	49	DOMESTIC

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Table 2.3-33 {Groundwater Wells Located within a 25 Mile (40-km) Radius of BBNPP (Listed in Pennsylvania Groundwater Information System)}

PA WELL ID	OWNER	DATE DRILLED	DRILLING METHOD	COUNTY	LATITUDE	LONGITUDE	WELL DEPTH (ft bgs)	WELL FINISH	WELL YIELD (gpm)	STATIC WATER LEVEL (ft bgs)	WATER USE
133455	BEBMEK R			MONTOUR	40.94556	-76.58944	97	OPEN HOLE	10		DOMESTIC
133456	KRUM J	1/1/1967		MONTOUR	40.96361	-76.58333	88	OPEN HOLE	30	57	DOMESTIC
133457	HUBICKI J	1/1/1967		MONTOUR	40.96583	-76.60639	115	OPEN HOLE	5	57	DOMESTIC
133458	RILEY L	1/1/1967		MONTOUR	40.95861	-76.60667	95	OPEN HOLE	15	40	DOMESTIC
133459	HUBICKI J	1/1/1968		MONTOUR	40.96806	-76.60444	205	OPEN HOLE	20	30	DOMESTIC
133460	MYRON FENSTERMA	1/1/1968		MONTOUR	40.96194	-76.61139	80	OPEN HOLE	6	28	DOMESTIC
133461	HENRY H	1/1/1968		MONTOUR	40.97000	-76.57250	215	OPEN HOLE	12	50	DOMESTIC
133462	SHULTZ L	1/1/1968		MONTOUR	40.99778	-76.58778	70	OPEN HOLE	30		DOMESTIC
133463	GLEN HAGENBUCH	1/1/1968		MONTOUR	40.98028	-76.61917	210	OPEN HOLE	20	100	DOMESTIC
133464	SEVIDGE D	1/1/1968		MONTOUR	40.96139	-76.56639	122	OPEN HOLE	40	57	DOMESTIC
133465	ROSELON YARNS	1/1/1967		MONTOUR	40.95611	-76.60861	308	OPEN HOLE	380	30	INDUSTRIAL
133467	COUSART HORACE	1/1/1967		MONTOUR	40.96472	-76.59333	90	OPEN HOLE	24	36	DOMESTIC
133469	MAHONING TWP AU			MONTOUR	40.96694	-76.57833	332	OPEN HOLE	50	47	PUBLIC SUPPLY
133470	MAHONING TWP AU			MONTOUR	40.96694	-76.57833	328	OPEN HOLE	200	46	PUBLIC SUPPLY
133471	BREEN JAMES DR			MONTOUR	40.97389	-76.58111	531	OPEN HOLE	40	40	DOMESTIC
133474	NEELY JAMES	7/1/1987		MONTOUR	40.93472	-76.52806	398	OPEN HOLE	7	80	DOMESTIC
133475	BRADY B			MONTOUR	40.91944	-76.54611	202	OPEN HOLE	4		DOMESTIC
133476	HENNESSY JAMES			MONTOUR	40.90667	-76.56528	75	OPEN HOLE	6		DOMESTIC
133483	ASHENFELDER E	8/1/1987		MONTOUR	41.00611	-76.57667	187	OPEN HOLE	20	92	DOMESTIC
133488	MARTZ NEAL	7/1/1987		MONTOUR	41.01583	-76.61000	172	OPEN HOLE	15	126	DOMESTIC
133490	BUCKLEY D	6/1/1986		MONTOUR	40.99917	-76.61528	133	OPEN HOLE	5	19	DOMESTIC
133493	ALBERTSON H	9/1/1986		MONTOUR	40.99361	-76.62361	105	OPEN HOLE	20	45	DOMESTIC
133498	KRIFHNAN D	5/1/1985		MONTOUR	40.99250	-76.59417	323	OPEN HOLE	40	190	DOMESTIC
133499	KOSER T	3/1/1985		MONTOUR	41.01833	-76.60861	53	OPEN HOLE	18	2	DOMESTIC
133500	SHOWALTER S	4/1/1985		MONTOUR	40.99556	-76.62222	83	OPEN HOLE	20	13	DOMESTIC
133504	DAVIS T	9/1/1983		MONTOUR	40.99500	-76.62056	123		30	26	DOMESTIC
133505	DEGUZIS T	4/1/1983		MONTOUR	40.98833	-76.60889	247	OPEN HOLE	60	45	DOMESTIC
133506	MONTOUR A&D HOME	7/1/1981		MONTOUR	40.98889	-76.62389	154	OPEN HOLE	15	71	DOMESTIC
133507	ALBERTSON	7/1/1981		MONTOUR	40.99056	-76.62250	100	OPEN HOLE	35	44	DOMESTIC
133510	AUTEN H	8/1/1983		MONTOUR	40.99056	-76.62222	130	OPEN HOLE	18	60	DOMESTIC
133512	RATCHFORD T	9/1/1982		MONTOUR	41.00639	-76.60611	148	OPEN HOLE	15	8	DOMESTIC
133522	REED CONSTRUCT.	1/1/1966		MONTOUR	41.00194	-76.62361	112	OPEN HOLE	8	60	DOMESTIC

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Table 2.3-33 {Groundwater Wells Located within a 25 Mile (40-km) Radius of BBNPP (Listed in Pennsylvania Groundwater Information System)}

PA WELL ID	OWNER	DATE DRILLED	DRILLING METHOD	COUNTY	LATITUDE	LONGITUDE	WELL DEPTH (ft bgs)	WELL FINISH	WELL YIELD (gpm)	STATIC WATER LEVEL (ft bgs)	WATER USE
133523	DEGREEN H	1/1/1966		MONTOUR	41.00194	-76.62361	135	OPEN HOLE	15	27	DOMESTIC
133524	BRETCH J	1/1/1966		MONTOUR	40.99861	-76.59667	75	OPEN HOLE	5	25	DOMESTIC
133525	BUCK C	1/1/1966		MONTOUR	40.99722	-76.59278	70	OPEN HOLE	20	20	DOMESTIC
133528	ASHTON L	1/1/1966		MONTOUR	40.98222	-76.61250	195	OPEN HOLE	6	40	DOMESTIC
133529	FOX C	1/1/1966		MONTOUR	41.00389	-76.62250	60	OPEN HOLE	6	15	DOMESTIC
133535	TANNER H J	1/1/1967		MONTOUR	41.00333	-76.61972	95	OPEN HOLE	8	30	DOMESTIC
133536	STRAUSSER	1/1/1967		MONTOUR	41.00250	-76.61778	135	OPEN HOLE	8	25	DOMESTIC
133537	YOUNG H	1/1/1967		MONTOUR	40.98194	-76.60667	70	OPEN HOLE	20	35	DOMESTIC
133539	DITTY D	1/1/1967		MONTOUR	41.00083	-76.61667	70	OPEN HOLE	10	30	DOMESTIC
133541	HESS J	1/1/1968		MONTOUR	41.00139	-76.62861	125	OPEN HOLE	2		DOMESTIC
133542	SMELTZ D	1/1/1968		MONTOUR	41.00194	-76.61278	215	OPEN HOLE	4	30	DOMESTIC
133548	ROBERTS WM L	1/1/1969		MONTOUR	41.02278	-76.60583	132	OPEN HOLE	50	30	DOMESTIC
133550	FOUST ROBERT			MONTOUR	41.00278	-76.61056	298	OPEN HOLE	25		DOMESTIC
133551	KLINGER DAVID			MONTOUR	41.00167	-76.61167	173	OPEN HOLE	12		DOMESTIC
133552	ETNOYER WILLIAM			MONTOUR	41.01694	-76.62389	373	OPEN HOLE	2		DOMESTIC
133553	HAMMER JAY			MONTOUR	41.00639	-76.60944	172	OPEN HOLE	6		DOMESTIC
133554	PELOWIC ALBERT			MONTOUR	41.00500	-76.61000	148	OPEN HOLE	7		DOMESTIC
133559	BURKS JOHN			MONTOUR	40.99972	-76.59389	155	OPEN HOLE			DOMESTIC
133560	REED KEN			MONTOUR	41.00667	-76.60167	135	OPEN HOLE	4	40	DOMESTIC
133561	PELOWIC ANTHONY			MONTOUR	41.00750	-76.60972	298	OPEN HOLE	6		DOMESTIC
133562	WRIGHT ERNEST			MONTOUR	41.00472	-76.62667	123	OPEN HOLE	15		DOMESTIC
133563	SCHRING ROBERT			MONTOUR	41.00000	-76.61528	106	OPEN HOLE	9	15	DOMESTIC
133564	SNYDER KENNETH			MONTOUR	41.00000	-76.61306	103	OPEN HOLE	30	12	DOMESTIC
133565	PROSSEDA AL			MONTOUR	41.00500	-76.61722	123	OPEN HOLE	12		DOMESTIC
133566	ROMAN HOMES			MONTOUR	41.00389	-76.61500	125		10		INDUSTRIAL
133567	ROBT HARRIS DEV			MONTOUR	41.00167	-76.61806	348	OPEN HOLE	2		DOMESTIC
133568	HARTMAN MILTON			MONTOUR	40.99028	-76.58639	175	OPEN HOLE	5		DOMESTIC
133570	GERTON KENNETH			MONTOUR	41.00111	-76.56639	110	OPEN HOLE	25	61	DOMESTIC
133581	BURNS J	8/1/1985		MONTOUR	41.00333	-76.57833	150	OPEN HOLE	20	55	DOMESTIC
133582	MAUSTELLER MIKE	1/1/1968		MONTOUR	41.03472	-76.56528	153	OPEN HOLE	5	40	DOMESTIC
133583	PRINGLE RICHARD	1/1/1968		MONTOUR	40.99306	-76.56806	215	OPEN HOLE	2	12	DOMESTIC
133584	STYER LEONARD	1/1/1966		MONTOUR	41.00083	-76.59000	285	OPEN HOLE	15	108	DOMESTIC

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PA WELL ID	OWNER	DATE DRILLED	DRILLING METHOD	COUNTY	LATITUDE	LONGITUDE	WELL DEPTH (ft bgs)	WELL FINISH	WELL YIELD (gpm)	STATIC WATER LEVEL (ft bgs)	WATER USE
133585	HESS JOE			MONTOUR	41.04500	-76.60833	195	OPEN HOLE	10	40	DOMESTIC
133586	DOMEROCKI JOE			MONTOUR	41.04000	-76.60833	215	OPEN HOLE	2	75	DOMESTIC
133587	GOLDER CARL			MONTOUR	41.04000	-76.60833	175	OPEN HOLE	3	30	DOMESTIC
133868	BRESSI M	11/1/1985		COLUMBIA	40.83417	-76.50056	323	OPEN HOLE	7	16	DOMESTIC
133873	JEPKO STEVE	1/1/1967		NORTHUMBERLAND	40.87194	-76.51889	295	OPEN HOLE	3		DOMESTIC
133874	MARIOTTI JOE	1/1/1967		NORTHUMBERLAND	40.87750	-76.50806	71	OPEN HOLE	10		DOMESTIC
133880	JEPKO STEVE	1/1/1968		NORTHUMBERLAND	40.87417	-76.52056	255	OPEN HOLE	8		DOMESTIC
133882	EISENHAUER WM	1/1/1969		NORTHUMBERLAND	40.84861	-76.51028	109	OPEN HOLE	25		DOMESTIC
133885	BURGER GEORGE	1/1/1970		NORTHUMBERLAND	40.87306	-76.53222	115	OTHER	10		DOMESTIC
133886	ALL ST'S CMTRY			NORTHUMBERLAND	40.84222	-76.51528	125	OPEN HOLE	20		PUBLIC SUPPLY
133986	FASSANO STEPHEN	1/1/1967		NORTHUMBERLAND	40.91806	-76.56833	183	OPEN HOLE	3		DOMESTIC
133987	BROUSE WAYNE	1/1/1967		NORTHUMBERLAND	40.93139	-76.59444	61	OPEN HOLE	12	25	DOMESTIC
133995	GEORGE CHARLES	1/1/1968		NORTHUMBERLAND	40.89667	-76.56167	100	OPEN HOLE	30		DOMESTIC
133998	HURST JOHN	1/1/1970		NORTHUMBERLAND	40.92056	-76.58389	112	OPEN HOLE	25		DOMESTIC
133999	SCICCHITANO V	1/1/1970		NORTHUMBERLAND	40.89250	-76.56750	367	OPEN HOLE	3		DOMESTIC
138687	BETHLEHEM MINES CORP	2/23/1988		SCHUYLKILL	40.80278	-75.95250	400	OPEN HOLE		260	
138688	PATWIL	12/1/1987		SCHUYLKILL	40.79500	-75.93972	247	OPEN HOLE	4	207	DOMESTIC
138689	KUPCHINSKY D	5/1/1987		SCHUYLKILL	40.80250	-75.92139	160	OPEN HOLE	20	46	DOMESTIC
138698	WALTERS BEN	1/1/1970		SCHUYLKILL	40.78778	-75.95611	94	OPEN HOLE	10	25	DOMESTIC
138699	REICHELDERFER	1/1/1966		SCHUYLKILL	40.79333	-75.94306	122		20	60	DOMESTIC
138700	MCGRADY JOS	1/1/1967		SCHUYLKILL	40.79306	-75.94556	125	OPEN HOLE	20	60	DOMESTIC
138701	TRUDICH JOHN	1/1/1970		SCHUYLKILL	40.79889	-75.92889	140	OPEN HOLE	15	40	DOMESTIC
138702	BOLINSKY F	3/1/1987		SCHUYLKILL	40.78194	-76.24556	250	OPEN HOLE		165	DOMESTIC
138713	PAPEIKA ALBERT	1/1/1968		SCHUYLKILL	40.78750	-76.23917	100	OPEN HOLE	30	30	DOMESTIC
138714	BOLINSKY LEONRD	1/1/1969		SCHUYLKILL	40.77944	-76.23583	95	OPEN HOLE	30	75	DOMESTIC
138715	CHOWANSKY JOHN	1/1/1969		SCHUYLKILL	40.77889	-76.23639	153	OPEN HOLE	10	130	DOMESTIC
138717	BOLINSKY JOSEPH			SCHUYLKILL	40.78500	-76.23500	120	OPEN HOLE	20	27	DOMESTIC
138719	ARTCRAFT BLDRS	1/1/1968		SCHUYLKILL	40.78333	-76.19722	71	OPEN HOLE	60	12	DOMESTIC
138751	LEATHERMAN B	2/1/1989		SCHUYLKILL	40.73806	-76.10361	129		17	65	DOMESTIC
138767	SINCLAIR JOE	3/1/1987		SCHUYLKILL	40.77306	-76.32222	200	OPEN HOLE	18	25	DOMESTIC
138768	MINNIE JOE	2/1/1987		SCHUYLKILL	40.75139	-76.33056	200	OPEN HOLE	10	150	DOMESTIC
138769	STACLER ED	8/1/1989		SCHUYLKILL	40.75389	-76.32861	175	OPEN HOLE	50	65	DOMESTIC

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PA WELL ID	OWNER	DATE DRILLED	DRILLING METHOD	COUNTY	LATITUDE	LONGITUDE	WELL DEPTH (ft bgs)	WELL FINISH	WELL YIELD (gpm)	STATIC WATER LEVEL (ft bgs)	WATER USE
138770	SHOOP JOE	7/1/1989		SCHUYLKILL	40.75472	-76.32722	200	OPEN HOLE	15	70	DOMESTIC
138771	SHOOP JOE	2/1/1989		SCHUYLKILL	40.75583	-76.32194	200	OPEN HOLE	15		DOMESTIC
138772	STUDLICK JOE	1/1/1989		SCHUYLKILL	40.77861	-76.26389	300	OPEN HOLE			DOMESTIC
138773	HUGHES M	9/1/1988		SCHUYLKILL	40.76583	-76.37778	175	OPEN HOLE	15		DOMESTIC
138774	WOOD BRAD	3/1/1987		SCHUYLKILL	40.77444	-76.37194	285	OPEN HOLE	75	150	DOMESTIC
138775	SNYDER GARY	9/1/1987		SCHUYLKILL	40.76472	-76.29750	250	OPEN HOLE	15		DOMESTIC
138776	REICHWEIN ROBERT	4/1/1988		SCHUYLKILL	40.76833	-76.29000	200	OPEN HOLE	30		DOMESTIC
138777	PRICE BILL	3/1/1988		SCHUYLKILL	40.75944	-76.30389	200	OPEN HOLE	25		DOMESTIC
138789	RICHWEIN JAMES	1/1/1968		SCHUYLKILL	40.76611	-76.32722	250	OPEN HOLE	3		DOMESTIC
138790	NOLTE ROBERT	1/1/1968		SCHUYLKILL	40.75972	-76.30944	150	OPEN HOLE	7	15	DOMESTIC
138791	CRESSWELL HARV	1/1/1968		SCHUYLKILL	40.77139	-76.29500	124	OPEN HOLE	30	90	DOMESTIC
138792	CRESSWELL HARV	1/1/1968		SCHUYLKILL	40.77194	-76.29556	128	OPEN HOLE	6	30	DOMESTIC
138793	BRILL JOHN	1/1/1969		SCHUYLKILL	40.76056	-76.30472	74		30		DOMESTIC
138794	BOYER MALCOLM			SCHUYLKILL	40.77111	-76.29667	242	OPEN HOLE	3		DOMESTIC
138796	CRESSWELL H	1/1/1968		SCHUYLKILL	40.77083	-76.29361	126	OPEN HOLE	6	55	DOMESTIC
138797	RAUDENBUSL C	1/1/1970		SCHUYLKILL	40.76278	-76.34139	172		20		DOMESTIC
138802	CHIDDAR ROBERT			SCHUYLKILL	40.75111	-76.33556	161	OPEN HOLE	15	85	DOMESTIC
138803	BARAN ANTHONY			SCHUYLKILL	40.77000	-76.32417	102	OPEN HOLE	30	10	DOMESTIC
138810	PASCAVAGE D	7/1/1986		SCHUYLKILL	40.84556	-76.06056	180	OPEN HOLE	20	70	DOMESTIC
138811	FEGLEY	9/1/1987		SCHUYLKILL	40.85361	-76.03917	375	OPEN HOLE	5		DOMESTIC
138812	BENNETT JAMES	9/1/1987		SCHUYLKILL	40.85444	-76.03722	200	OPEN HOLE	20		DOMESTIC
138813	NEVEROSKY WILLIAM	11/14/1989		SCHUYLKILL	40.83528	-76.05389	250	OPEN HOLE	6		DOMESTIC
138814	CARBONITE FILTER CO	9/1/1982		SCHUYLKILL	40.84056	-76.07306	600	OPEN HOLE	125	60	DOMESTIC
138815	FIBERITE CORP	2/1/1981		SCHUYLKILL	40.83833	-76.07056	575	OPEN HOLE	45	30	DOMESTIC
138816	YANASHIK G	11/1/1980		SCHUYLKILL	40.86861	-76.02806	200	OPEN HOLE	20	52	DOMESTIC
138819	FEGLEY S PAUL			SCHUYLKILL	40.85111	-76.04417	142	OPEN HOLE	20	98	DOMESTIC
138820	MACNEAL JAMES			SCHUYLKILL	40.85111	-76.04417	134		30	100	DOMESTIC
138951	ROTH R	9/29/1989		SCHUYLKILL	40.89528	-76.11278	250	OPEN HOLE	10	40	DOMESTIC
138952	LABURDA S	5/1/1988		SCHUYLKILL	40.89750	-76.11556	175	OPEN HOLE	75	2	DOMESTIC
138953	EVANCHO J	9/28/1989		SCHUYLKILL	40.91528	-76.10083	175	OPEN HOLE	12	45	DOMESTIC
138954	PA LAND DEVELOPMENT	3/1/1990		SCHUYLKILL	40.89861	-76.12917	76	SCREEN			INSTITUTIONAL
138955	PA LAND DEVELOPMENT	3/1/1990		SCHUYLKILL	40.89861	-76.12917	25	SCREEN			INSTITUTIONAL

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Table 2.3-33 {Groundwater Wells Located within a 25 Mile (40-km) Radius of BBNPP (Listed in Pennsylvania Groundwater Information System)}

PA WELL ID	OWNER	DATE DRILLED	DRILLING METHOD	COUNTY	LATITUDE	LONGITUDE	WELL DEPTH (ft bgs)	WELL FINISH	WELL YIELD (gpm)	STATIC WATER LEVEL (ft bgs)	WATER USE
138956	PA LAND DEVELOPMENT	3/1/1990		SCHUYLKILL	40.89861	-76.12917	25	SCREEN			INSTITUTIONAL
138957	PA LAND DEVELOPMENT	3/1/1990		SCHUYLKILL	40.89861	-76.12917	50	SCREEN			INSTITUTIONAL
138958	PA LAND DEVELOPMENT	3/1/1990		SCHUYLKILL	40.89861	-76.12917	65	SCREEN			INSTITUTIONAL
138959	PA LAND DEVELOPMENT	3/1/1990		SCHUYLKILL	40.89861	-76.12917	80	SCREEN			INSTITUTIONAL
138960	BECKETT T	4/1/1989		SCHUYLKILL	40.86778	-76.10778	200	OPEN HOLE	12		DOMESTIC
138961	MEHALICK M	8/1/1982		SCHUYLKILL	40.90500	-76.13583	220	OPEN HOLE	25	40	DOMESTIC
138969	SUERCHEK FATHER	1/1/1968		SCHUYLKILL	40.89667	-76.12556	213	OPEN HOLE	12	112	DOMESTIC
138970	HOFFMAN JOS	1/1/1968		SCHUYLKILL	40.86472	-76.16389	187	OPEN HOLE	8		DOMESTIC
138971	LUREDIN JOE	1/1/1968		SCHUYLKILL	40.89750	-76.11861	73	OPEN HOLE	30	8	DOMESTIC
138972	WANDZELCK,PHIL	1/1/1969		SCHUYLKILL	40.89722	-76.11611	101	OPEN HOLE	60		DOMESTIC
138973	PEIFER,WINTON	1/1/1968		SCHUYLKILL	40.85722	-76.17028	93	OPEN HOLE	12	30	DOMESTIC
138974	PEIFER WINTON	1/1/1968		SCHUYLKILL	40.85778	-76.16778	93	OPEN HOLE	10	40	DOMESTIC
138975	DAVIDSON,CHAR.	1/1/1970		SCHUYLKILL	40.89556	-76.12000	68	OPEN HOLE	20	12	DOMESTIC
138976	FORMOLE NEIL	1/1/1970		SCHUYLKILL	40.90750	-76.12472	70	OPEN HOLE	20	25	DOMESTIC
138977	VAN BLAZRE W	1/1/1969		SCHUYLKILL	40.90750	-76.12639	85	OPEN HOLE	18	18	DOMESTIC
138978	SACCO EUGENE	1/1/1967		SCHUYLKILL	40.86806	-76.16861	308	OPEN HOLE	2	56	DOMESTIC
138979	SACCO EUGENE	1/1/1967		SCHUYLKILL	40.86222	-76.16639	418	OPEN HOLE	2		DOMESTIC
138980	GARDENER BETTY	1/1/1968		SCHUYLKILL	40.86556	-76.15861	200	OPEN HOLE	8	102	DOMESTIC
138981	FOOSE CLARENCE	1/1/1966		SCHUYLKILL	40.87389	-76.15056	200	OPEN HOLE	12		DOMESTIC
138982	HORNBERGER,ED	1/1/1970		SCHUYLKILL	40.86917	-76.16806	4150	OPEN HOLE	6	260	DOMESTIC
138983	LELLIN DONALD	1/1/1970		SCHUYLKILL	40.89278	-76.11833	174	OPEN HOLE	6	80	DOMESTIC
138984	SHANANY ED	1/1/1970		SCHUYLKILL	40.89472	-76.11861	83	OPEN HOLE	22	7	DOMESTIC
138985	HJUENECK JOHN	1/1/1969		SCHUYLKILL	40.90861	-76.12222	98	OPEN HOLE	30	5	DOMESTIC
138986	HALACK ANDREW	1/1/1968		SCHUYLKILL	40.89972	-76.11917	100	OPEN HOLE	14	60	DOMESTIC
138987	BARTON RALPH	1/1/1968		SCHUYLKILL	40.86667	-76.19389	99	OPEN HOLE	12	40	INDUSTRIAL
138988	BARTON RALPH	1/1/1968		SCHUYLKILL	40.86667	-76.19389	83	OPEN HOLE	20	20	INDUSTRIAL
138989	ARCHERY CLUB	1/1/1966		SCHUYLKILL	40.89528	-76.13028	132	OPEN HOLE	15		PUBLIC SUPPLY
138990	AUSTRA ED	1/1/1966		SCHUYLKILL	40.88500	-76.10111	86	OPEN HOLE	10	35	DOMESTIC
138991	CLARK RALPH			SCHUYLKILL	40.86889	-76.12194	182	OPEN HOLE	6	45	DOMESTIC
138992	TRI-STAR HOMES			SCHUYLKILL	40.85889	-76.17111	143	OPEN HOLE	20	90	DOMESTIC
138993	LORAH JEAN			SCHUYLKILL	40.86111	-76.20500	202	OPEN HOLE	3	90	DOMESTIC
138994	CATALANOTTI LOU			SCHUYLKILL	40.90861	-76.12167	177	OPEN HOLE	18	52	DOMESTIC

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PA WELL ID	OWNER	DATE DRILLED	DRILLING METHOD	COUNTY	LATITUDE	LONGITUDE	WELL DEPTH (ft bgs)	WELL FINISH	WELL YIELD (gpm)	STATIC WATER LEVEL (ft bgs)	WATER USE
139038	SNYDER DAVID	1/1/1967		SCHUYLKILL	40.74917	-76.33556	135	OPEN HOLE	12		DOMESTIC
139039	WEIST HARRY	1/1/1969		SCHUYLKILL	40.75222	-76.33694	82	OPEN HOLE	52	10	DOMESTIC
139040	SCHMIDT HENRY	1/1/1969		SCHUYLKILL	40.75167	-76.33361	110	OPEN HOLE	30	50	DOMESTIC
139041	BOLICH TED	1/1/1969		SCHUYLKILL	40.75056	-76.34194	69	OPEN HOLE	30	40	DOMESTIC
139042	PAULY,LEWIS	1/1/1969		SCHUYLKILL	40.75222	-76.33306	59	OPEN HOLE	52	6	DOMESTIC
139082	HONEY BROOK WATER CO	9/1/1988		SCHUYLKILL	40.89500	-76.00389	800	OPEN HOLE	150		PUBLIC SUPPLY
139083	HONEY BROOK WATER CO	9/1/1988		SCHUYLKILL	40.89444	-76.00361	730	OPEN HOLE	200	150	PUBLIC SUPPLY
139084	NE POWER CO	3/11/1986		SCHUYLKILL	40.86917	-76.00361	850		6	29	INDUSTRIAL
139085	NE POWER CO	3/11/1986		SCHUYLKILL	40.86278	-76.00194	850		6	29	INDUSTRIAL
139086	OREM F	11/1/1988		SCHUYLKILL	40.88472	-75.98556	770	OPEN HOLE	3	30	DOMESTIC
139101	CASIMIRRO FELIX	1/1/1968		SCHUYLKILL	40.79889	-76.15056	175	OPEN HOLE	30	40	DOMESTIC
139102	GANNETT FLEMING	1/1/1971		SCHUYLKILL	40.82083	-76.08750	580	OPEN HOLE	10	190	DOMESTIC
139103	GANNETT FLEMING	1/1/1971		SCHUYLKILL	40.82083	-76.08750	400	OPEN HOLE	14	15	DOMESTIC
139104	HOLLEY D	11/1/1980		SCHUYLKILL	40.76833	-76.24028	425	OPEN HOLE	12	12	PUBLIC SUPPLY
139105	HOLLEY D	11/1/1980		SCHUYLKILL	40.77167	-76.24611	400	OPEN HOLE	10	150	PUBLIC SUPPLY
139210	KLINGERMAN B	11/1/1989		SCHUYLKILL	40.91917	-76.18472	300	OPEN HOLE	15		DOMESTIC
139211	MICHEALS R	4/1/1988		SCHUYLKILL	40.93806	-76.16778	250	OPEN HOLE	20	75	DOMESTIC
139215	COURMAYER RAY	1/1/1969		SCHUYLKILL	40.92111	-76.20222	113	OPEN HOLE	26	2	DOMESTIC
139216	WYDOLK TOM	1/1/1967		SCHUYLKILL	40.91306	-76.20083	271	OPEN HOLE	3		DOMESTIC
139217	KLINGERMAN,WM	1/1/1967		SCHUYLKILL	40.92972	-76.17750	278	OPEN HOLE	4		DOMESTIC
139218	RHODES	1/1/1969		SCHUYLKILL	40.90361	-76.21000	113	OPEN HOLE	12	15	DOMESTIC
139219	BOEHMER	1/1/1970		SCHUYLKILL	40.91972	-76.16889	76	OPEN HOLE	20		DOMESTIC
139521	MALMAR ALBERT	1/1/1969		SCHUYLKILL	40.85361	-76.23917	158	OPEN HOLE	31		
139522	PA DER	6/1/1984		SCHUYLKILL	40.80889	-76.03111	668	OPEN HOLE	5	280	PUBLIC SUPPLY
139523	SKARONISKI JJ	7/1/1985		SCHUYLKILL	40.81944	-76.04056	430	OPEN HOLE	8	100	DOMESTIC
139524	BRAYFORD W	1/1/1985		SCHUYLKILL	40.81806	-76.04111	550	OPEN HOLE	5	48	DOMESTIC
139525	KOVATCH J	12/1/1989		SCHUYLKILL	40.82417	-75.97444	373	OPEN HOLE	8	20	DOMESTIC
139526	GROUSE HUNT FARMS	9/1/1988		SCHUYLKILL	40.83944	-76.01861	200	OPEN HOLE	30	50	INDUSTRIAL
139527	WH BIRCH GOLF COURSE	5/13/1985		SCHUYLKILL	40.81111	-76.02056	220	OPEN HOLE	20	6	PUBLIC SUPPLY
139528	STAHLERS AUTO SERVIC	10/26/1984		SCHUYLKILL	40.81333	-75.97944	180	OPEN HOLE	50	24	PUBLIC SUPPLY
139529	LEHATTO P	2/21/1990		SCHUYLKILL	40.82389	-75.98083	120	OPEN HOLE	15	15	DOMESTIC
139530	OTTERIND P	3/5/1990		SCHUYLKILL	40.82417	-75.98111	120	OPEN HOLE	12	14	DOMESTIC

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PA WELL ID	OWNER	DATE DRILLED	DRILLING METHOD	COUNTY	LATITUDE	LONGITUDE	WELL DEPTH (ft bgs)	WELL FINISH	WELL YIELD (gpm)	STATIC WATER LEVEL (ft bgs)	WATER USE
139531	GRAINGER J	5/9/1990		SCHUYLKILL	40.82056	-75.98222	140	OPEN HOLE	25	21	DOMESTIC
139532	ZUBRIS R	2/15/1990		SCHUYLKILL	40.82917	-75.98278	160	OPEN HOLE	20	15	DOMESTIC
139533	YANUZZI R	2/19/1990		SCHUYLKILL	40.81972	-75.98194	120	OPEN HOLE	25	10	DOMESTIC
139534	STEINERT J	2/16/1990		SCHUYLKILL	40.81972	-75.98306	120	OPEN HOLE	20	18	DOMESTIC
139535	NEIFERT R	4/4/1990		SCHUYLKILL	40.82028	-75.98306	140	OPEN HOLE	20	29	DOMESTIC
139536	DILLON J	3/12/1990		SCHUYLKILL	40.82889	-75.98278	120	OPEN HOLE	12	29	DOMESTIC
139537	PETROLE J	3/29/1990		SCHUYLKILL	40.82917	-75.98278	140	OPEN HOLE	20	29	DOMESTIC
139538	VILCHECK J	2/20/1990		SCHUYLKILL	40.82917	-75.98306	140	OPEN HOLE	25	24	DOMESTIC
139539	HAFER L	1/22/1990		SCHUYLKILL	40.83000	-75.98444	140	OPEN HOLE	25	48	DOMESTIC
139540	SCHNELL D	1/23/1990		SCHUYLKILL	40.83000	-75.98389	120	OPEN HOLE	45	43	DOMESTIC
139541	HAFER J JR	1/23/1990		SCHUYLKILL	40.83000	-75.98417	120	OPEN HOLE	23	46	DOMESTIC
139542	BONNER J	4/5/1990		SCHUYLKILL	40.83028	-75.98417	160	OPEN HOLE	14	32	DOMESTIC
139543	HAFER J T	1/30/1990		SCHUYLKILL	40.82889	-75.98389	120	OPEN HOLE	15	39	DOMESTIC
139544	PAISLEY L	2/14/1990		SCHUYLKILL	40.82889	-75.98417	120	OPEN HOLE	10	9	DOMESTIC
139545	BRILL J	2/1/1990		SCHUYLKILL	40.82861	-75.98389	200	OPEN HOLE	15	31	DOMESTIC
139546	MEHALSHICK P	1/22/1990		SCHUYLKILL	40.82861	-75.98417	120	OPEN HOLE	15	47	DOMESTIC
139547	WALCK R	1/27/1990		SCHUYLKILL	40.82861	-75.98444	160	OPEN HOLE	15	34	DOMESTIC
139548	CICIONI J	1/30/1990		SCHUYLKILL	40.82417	-75.98000	140	OPEN HOLE	20	7	DOMESTIC
139549	HEISLER V	2/2/1990		SCHUYLKILL	40.82472	-75.97972	140	OPEN HOLE	15	11	DOMESTIC
139550	TETER R	3/1/1978		SCHUYLKILL	40.81889	-76.02444	70	OPEN HOLE	20	8	DOMESTIC
139551	HUMES C	4/20/1978		SCHUYLKILL	40.83278	-76.05556	222	OPEN HOLE	7	30	DOMESTIC
139552	MCCIMLEY	7/1/1978		SCHUYLKILL	40.85917	-76.00361	300	OPEN HOLE	7	159	DOMESTIC
139553	PASTUPACH P	4/1/1981		SCHUYLKILL	40.86611	-75.97889	150	OPEN HOLE	18	40	DOMESTIC
139554	BITSKO T	7/31/1981		SCHUYLKILL	40.85667	-75.99722	382	OPEN HOLE	2	60	DOMESTIC
139555	SILBERLINE MFG CO	1/24/1983		SCHUYLKILL	40.82694	-75.98611	125	OPEN HOLE	5	125	INDUSTRIAL
139556	WITZEL W	2/1/1981		SCHUYLKILL	40.83611	-75.99222	210	OPEN HOLE	12	95	DOMESTIC
139557	BAILEY CURTIS	9/1/1978		SCHUYLKILL	40.82278	-75.96917	250	OPEN HOLE	8	71	DOMESTIC
139558	MERKEL HOMES	5/1/1979		SCHUYLKILL	40.82722	-75.98444	300	OPEN HOLE	20	23	DOMESTIC
139559	TAMAQUAMASONIC TEMPL	9/29/1982		SCHUYLKILL	40.82139	-75.96417	382	OPEN HOLE	12	53	PUBLIC SUPPLY
139586	OLEXIS GEO	1/1/1967		SCHUYLKILL	40.84528	-76.04139	328	OPEN HOLE	12	60	DOMESTIC
139587	STISOWAIN LEWIS	1/1/1967		SCHUYLKILL	40.82167	-75.97889	170	OPEN HOLE	18	100	DOMESTIC

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139588	ADAMS ROBERT	1/1/1967		SCHUYLKILL	40.85667	-75.99667	230	OPEN HOLE	12	100	DOMESTIC
139589	RICE AGUSTUS	1/1/1967		SCHUYLKILL	40.85722	-75.99750	110		40	22	DOMESTIC
139590	BASKAPICS.JOHN	1/1/1966		SCHUYLKILL	40.85833	-75.98694	75	OPEN HOLE			DOMESTIC
139591	LECH	1/1/1966		SCHUYLKILL	40.85639	-76.00111	97	OPEN HOLE	50	6	DOMESTIC
139592	RODGERS EDWARD	1/1/1971		SCHUYLKILL	40.83167	-76.02806	150	OPEN HOLE	35	36	DOMESTIC
139593	HECKMAN ARTHUR	1/1/1971		SCHUYLKILL	40.85194	-76.03722	120	OPEN HOLE	35	18	DOMESTIC
139594	POWELL,JOHN	1/1/1966		SCHUYLKILL	40.87111	-75.97056	112	OPEN HOLE	15	46	DOMESTIC
139595	GEARHARD GLENN	1/1/1971		SCHUYLKILL	40.83194	-75.97917	149	OPEN HOLE	35	60	DOMESTIC
139596	SMIGO ROBT	1/1/1971		SCHUYLKILL	40.82917	-75.98194	198	OPEN HOLE	12	6	DOMESTIC
139597	KOBACK MABLE	1/1/1970		SCHUYLKILL	40.81861	-76.02389	249		6	100	DOMESTIC
139599	FEGLEY S PAUL			SCHUYLKILL	40.82639	-76.05611	142	OPEN HOLE	18	45	DOMESTIC
139600	ROUNDS			SCHUYLKILL	40.82889	-76.05750	200	OPEN HOLE	20	48	DOMESTIC
139601	KROUT RUSSELL			SCHUYLKILL	40.82639	-75.98389	122	OPEN HOLE	25	20	DOMESTIC
139602	WRIGHT HOMES			SCHUYLKILL	40.82778	-76.25083	160	OPEN HOLE	20		DOMESTIC
139603	RARICK EDWARD			SCHUYLKILL	40.83611	-75.99333	200	OPEN HOLE	20	15	DOMESTIC
139604	ZUKOVICH EDWARD			SCHUYLKILL	40.85583	-75.99917	128	OPEN HOLE	20	40	DOMESTIC
139605	FREDRICKSON JAS			SCHUYLKILL	40.82417	-75.97139	175	OPEN HOLE	25	38	DOMESTIC
139606	CITIZEN FIRE CO PARK	4/1/1988		SCHUYLKILL	40.78556	-76.10806	225	OPEN HOLE	15	75	DOMESTIC
139607	NEADE R	7/31/1984		SCHUYLKILL	40.78889	-76.05139	180	OPEN HOLE	12	45	DOMESTIC
139608	PEEL D	8/16/1983		SCHUYLKILL	40.78556	-76.10611	200	OPEN HOLE	10	45	DOMESTIC
139609	ST RICHARDS CHURCH	12/1/1982		SCHUYLKILL	40.81611	-76.04917	154	OPEN HOLE	20	60	DOMESTIC
139610	CHRIST L	10/1/1982		SCHUYLKILL	40.78778	-76.05833	365	OPEN HOLE	15	100	DOMESTIC
139611	HAYES T	10/22/1981		SCHUYLKILL	40.78639	-76.10444	302	OPEN HOLE	3	40	DOMESTIC
139612	WHALEN T	9/1/1981		SCHUYLKILL	40.78167	-76.08750	250	OPEN HOLE	50	35	DOMESTIC
139613	ST PETERS UCC	9/1/1981		SCHUYLKILL	40.78750	-76.07417	300	OPEN HOLE	4	65	DOMESTIC
139614	MORGAN W	9/1/1981		SCHUYLKILL	40.78611	-76.07167	298	OPEN HOLE	7	71	DOMESTIC
139615	KOTCH J	12/7/1977		SCHUYLKILL	40.78611	-76.11000	200		10	200	DOMESTIC
139644	FRANST,WILLIAM	1/1/1968		SCHUYLKILL	40.80639	-76.05667	143	OPEN HOLE	13	55	DOMESTIC
139645	ST RICHARDS	1/1/1969		SCHUYLKILL	40.81083	-76.05222	314	OPEN HOLE	25	60	DOMESTIC
139646	FRITZ DAVID	1/1/1969		SCHUYLKILL	40.80556	-76.06028	98	OPEN HOLE	21	30	DOMESTIC
139647	THURCHAK ANDY	1/1/1971		SCHUYLKILL	40.81222	-76.05944	220	OPEN HOLE	20	140	DOMESTIC
139648	HART THOS	1/1/1971		SCHUYLKILL	40.80556	-76.05500	218	OPEN HOLE	10	120	DOMESTIC

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PA WELL ID	OWNER	DATE DRILLED	DRILLING METHOD	COUNTY	LATITUDE	LONGITUDE	WELL DEPTH (ft bgs)	WELL FINISH	WELL YIELD (gpm)	STATIC WATER LEVEL (ft bgs)	WATER USE
139649	POPNICK LEO	1/1/1966		SCHUYLKILL	40.81667	-76.05639	96	OPEN HOLE	25	18	DOMESTIC
139650	PRICE THOMAS	1/1/1967		SCHUYLKILL	40.81611	-76.05750	122	OPEN HOLE	20	40	DOMESTIC
139651	BLUME HENRY	1/1/1966		SCHUYLKILL	40.81917	-76.05639	96	OPEN HOLE	30	21	DOMESTIC
139652	RYAN TWSP BLDG	1/1/1971		SCHUYLKILL	40.81778	-76.05972	300	OPEN HOLE	10	37	DOMESTIC
139653	TOLAN JAMES			SCHUYLKILL	40.82111	-76.07056	320	OPEN HOLE	20	58	DOMESTIC
139654	SOULT GENE			SCHUYLKILL	40.82056	-76.05083	200	OPEN HOLE	12	55	DOMESTIC
139655	PURNELL LYNN			SCHUYLKILL	40.81944	-76.07556	225	OPEN HOLE	10	84	DOMESTIC
139656	SISAK VIRGINIA			SCHUYLKILL	40.81889	-76.05028	142	OPEN HOLE	20	55	DOMESTIC
139657	SCH CO MUN AUTH			SCHUYLKILL	40.77833	-76.17944	620	OPEN HOLE	125	250	PUBLIC SUPPLY
139658	WAGNER J	10/9/1989		SCHUYLKILL	40.77944	-76.04806	400	OPEN HOLE	8	63	DOMESTIC
139659	CANFIELD R	5/3/1988		SCHUYLKILL	40.75556	-76.03972	160	OPEN HOLE	20	7	DOMESTIC
139661	CURTIS MANKEL	7/9/1976		SCHUYLKILL	40.77944	-76.04778	250		17	30	DOMESTIC
139764	FOOSE M	2/1/1989		SCHUYLKILL	40.84833	-76.19889	160	OPEN HOLE	25	40	DOMESTIC
139765	WILKENSON G	5/1/1988		SCHUYLKILL	40.83722	-76.22917	500	OPEN HOLE	6	175	DOMESTIC
139766	MCNELUS T	1/1/1990		SCHUYLKILL	40.83750	-76.24528	325	OPEN HOLE	3	295	DOMESTIC
139767	RANDALL-TYSON	4/1/1988		SCHUYLKILL	40.85806	-76.25139	200	OPEN HOLE	12	30	DOMESTIC
139775	POLISH NC CHURC	1/1/1968		SCHUYLKILL	40.83528	-76.23472	112	OPEN HOLE	11	44	
139776	REPER,ANTHONY	1/1/1967		SCHUYLKILL	40.86139	-76.23056	168	OPEN HOLE	566	50	DOMESTIC
139777	REED GILBERT	1/1/1969		SCHUYLKILL	40.86639	-76.20222	250	OPEN HOLE	15	125	DOMESTIC
139778	BROWN NEIL	1/1/1970		SCHUYLKILL	40.83917	-76.28111	248	OPEN HOLE	7	90	DOMESTIC
139790	JONES T	10/1/1986		SCHUYLKILL	40.78000	-75.98611	145	OPEN HOLE	1	25	DOMESTIC
139791	SMITH E	7/13/1987		SCHUYLKILL	40.76389	-75.98639	220	OPEN HOLE	10	86	DOMESTIC
139792	FISHER P	3/1/1985		SCHUYLKILL	40.73944	-76.05056	125	OPEN HOLE	11	45	DOMESTIC
139793	LEIBY B	10/22/1980		SCHUYLKILL	40.74750	-76.03444	480	OPEN HOLE	5	90	DOMESTIC
139795	KOTCH J	9/1/1978		SCHUYLKILL	40.77528	-75.98806	428	OPEN HOLE			
139797	JAMES J	9/1/1979		SCHUYLKILL	40.73833	-76.04722	115	OPEN HOLE	18	40	DOMESTIC
139799	AMENTLER R	9/1/1979		SCHUYLKILL	40.75250	-76.03278	250	OPEN HOLE	14	89	DOMESTIC
139826	HEISLER MAURICE	1/1/1969		SCHUYLKILL	40.75917	-76.02139	113	OPEN HOLE	25	15	DOMESTIC
139827	RUDLOFF ALFRED	1/1/1970		SCHUYLKILL	40.78056	-75.98111	540	OPEN HOLE	6	58	DOMESTIC
139828	STOUDT JOHN	1/1/1966		SCHUYLKILL	40.78139	-75.98111	214	OPEN HOLE	11	55	DOMESTIC
139829	ZIMMERMAN LEIBY	1/1/1966		SCHUYLKILL	40.76056	-76.02083	407	OPEN HOLE	22	70	INDUSTRIAL
139830	HEISLER MORRIS	1/1/1969		SCHUYLKILL	40.75778	-76.02222	90	OPEN HOLE	30	41	DOMESTIC

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Table 2.3-33 {Groundwater Wells Located within a 25 Mile (40-km) Radius of BBNPP (Listed in Pennsylvania Groundwater Information System)}

PA WELL ID	OWNER	DATE DRILLED	DRILLING METHOD	COUNTY	LATITUDE	LONGITUDE	WELL DEPTH (ft bgs)	WELL FINISH	WELL YIELD (gpm)	STATIC WATER LEVEL (ft bgs)	WATER USE
139832	HROMYAK MICHAEL			SCHUYLKILL	40.74833	-76.02722	135	OPEN HOLE	10	40	DOMESTIC
139834	STOHL FRANKLIN			SCHUYLKILL	40.77639	-75.98917	225	OPEN HOLE	10	68	DOMESTIC
139835	INAMA HENRY			SCHUYLKILL	40.75833	-76.02389	120	OPEN HOLE	20	45	DOMESTIC
139836	OHARA FRANK			SCHUYLKILL	40.75111	-76.03611	120	OPEN HOLE	18	55	DOMESTIC
139837	MERKEL CURTIS			SCHUYLKILL	40.79278	-75.98750	100	OPEN HOLE	15	20	DOMESTIC
140402	STATE POLICE	4/9/1990		SCHUYLKILL	40.79417	-76.19056	160	OPEN HOLE	25	6	PUBLIC SUPPLY
140403	KEYSTONE WATER CO	7/1/1982		SCHUYLKILL	40.77500	-76.22972	362	OPEN HOLE	200	21	PUBLIC SUPPLY
140404	KEYSTONE WATER CO	9/10/1982		SCHUYLKILL	40.77500	-76.22944	550	OPEN HOLE	300	52	PUBLIC SUPPLY
140405	KEYSTONE WATER CO	6/1/1982		SCHUYLKILL	40.77917	-76.22306	550	OPEN HOLE	80	16	PUBLIC SUPPLY
140412	GERA ANDREW	1/1/1968		SCHUYLKILL	40.78333	-76.19750	90	OPEN HOLE	45	18	DOMESTIC
140413	ROCHESTER IRON	1/1/1969		SCHUYLKILL	40.78028	-76.21500	150	OPEN HOLE	89	15	INDUSTRIAL
140414	HANNIS FRANK			SCHUYLKILL	40.82500	-76.21500	162	OPEN HOLE			DOMESTIC
140416	VANTOL W	5/1/1986		SCHUYLKILL	40.78028	-75.98417	166	OPEN HOLE	20	90	DOMESTIC
140417	BALIET L	3/1/1985		SCHUYLKILL	40.79306	-75.89417	140	OPEN HOLE	20	30	DOMESTIC
140489	HENNINGER F	4/1/1982		SCHUYLKILL	40.79917	-75.88472	105	OPEN HOLE	15	70	DOMESTIC
142010	KEISER R	6/1/1987		SULLIVAN	41.35250	-76.31889	248	OPEN HOLE	3		DOMESTIC
142013	DONALDSON	10/1/1984		SULLIVAN	41.43250	-76.30389	200	OPEN HOLE	2	140	DOMESTIC
142014	DELOVICH	12/1/1984		SULLIVAN	41.43222	-76.30361	150	OPEN HOLE	5	30	DOMESTIC
142016	SHIPLEY C B	1/1/1966		SULLIVAN	41.35000	-76.30000	78	OPEN HOLE	30	12	DOMESTIC
142017	LEWIS DWIGHT	1/1/1966		SULLIVAN	41.35000	-76.30000	79	OPEN HOLE	10	12	DOMESTIC
142020	SPAAR STEVE	1/1/1967		SULLIVAN	41.43333	-76.30000	107	OPEN HOLE	10	48	DOMESTIC
142021	CLARKE REGENALD	1/1/1967		SULLIVAN	41.43333	-76.26667	131	OPEN HOLE	10	55	DOMESTIC
142025	CO LUMBR LITTLE	1/1/1966		SULLIVAN	41.35000	-76.30000	85	OPEN HOLE	6	20	DOMESTIC
142026	LITTE MILES	1/1/1967		SULLIVAN	41.35000	-76.30000	72	OPEN HOLE	40	24	DOMESTIC
142027	BRECK FRED	1/1/1967		SULLIVAN	41.35000	-76.30000	105	OPEN HOLE	5	25	DOMESTIC
142035	HOFFER ELAM	7/1/1988		SULLIVAN	41.35639	-76.47944	295	OPEN HOLE	2		DOMESTIC
152162	STEELE MELVEN	1/1/1966		WYOMING	41.40972	-76.00611	121	OPEN HOLE	32	34	DOMESTIC
152243	LABAPRE NAPLINE	12/8/1980		WYOMING	41.41056	-76.00444	750	OPEN HOLE	4	400	DOMESTIC
152244	PILGER B	6/29/1982		WYOMING	41.39806	-75.98056	200	OPEN HOLE	35	35	DOMESTIC
152245	NOXEN HEALTH CENTER	3/7/1977		WYOMING	41.42833	-76.02056	190	OPEN HOLE	50	20	PUBLIC SUPPLY
152246	KOCKER	9/26/1983		WYOMING	41.41278	-75.99972	275		10	120	DOMESTIC
152247	HARRIS D	11/1/1981		WYOMING	41.42500	-76.03389	150	OPEN HOLE	7		DOMESTIC

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Table 2.3-33 {Groundwater Wells Located within a 25 Mile (40-km) Radius of BBNPP (Listed in Pennsylvania Groundwater Information System)}

PA WELL ID	OWNER	DATE DRILLED	DRILLING METHOD	COUNTY	LATITUDE	LONGITUDE	WELL DEPTH (ft bgs)	WELL FINISH	WELL YIELD (gpm)	STATIC WATER LEVEL (ft bgs)	WATER USE
152248	CAGE LOREY	2/1/1980		WYOMING	41.42250	-76.04083	225	OPEN HOLE	22	30	DOMESTIC
152249	GAVEK J	9/3/1980		WYOMING	41.41139	-76.00028	100	OPEN HOLE	10	25	DOMESTIC
152250	COOK STANLEY	6/1/1988		WYOMING	41.42889	-76.01250	250	OPEN HOLE	24		DOMESTIC
152251	HANNER DONALD	10/1/1986		WYOMING	41.40694	-76.03000	140	OPEN HOLE	15	12	DOMESTIC
152252	DANIELS D	9/18/1984		WYOMING	41.41028	-76.03333	270	OPEN HOLE	20		DOMESTIC
152260	ANDERSON GENE	1/1/1967		WYOMING	41.39278	-75.98667	211	OPEN HOLE	20	44	DOMESTIC
152261	BOOTH DAVE			WYOMING	41.41167	-75.99889	380	OPEN HOLE	6	20	DOMESTIC
152262	BELLAS DAN			WYOMING	41.41472	-75.97417	278	OPEN HOLE	30	150	DOMESTIC
152265	PATTON WILLIAM			WYOMING	41.42000	-76.02889	175	OPEN HOLE	15	70	DOMESTIC
152397	PATTON CARLTON	3/14/1981		WYOMING	41.42639	-76.05833	185		25		DOMESTIC
152398	PATION HELEN	9/17/1980		WYOMING	41.41917	-76.06611	175	OPEN HOLE	14	40	DOMESTIC
152399	BARBACHO JIM	1/19/1989		WYOMING	41.38750	-76.05500	220	OTHER	10		DOMESTIC
152400	TURNEFF BETTY	4/30/1987		WYOMING	41.42833	-76.06778	127	OPEN HOLE	14	20	DOMESTIC
152401	BOSTON FRED	5/1/1987		WYOMING	41.42944	-76.06167	225	OPEN HOLE	60	60	DOMESTIC
152402	YAKALOVICZ WALTER	3/9/1989		WYOMING	41.42250	-76.05333	265	OPEN HOLE	30		DOMESTIC
152407	NEWELL RICHARD			WYOMING	41.42000	-76.06667	435	OPEN HOLE	50	250	DOMESTIC
182729	BEACH HAVEN FIR	1/1/1973		LANCASTER	41.06806	-76.16167	100	OPEN HOLE	12	40	
182730	MOLYNEAUX SHLDN	1/1/1974		LANCASTER	41.06917	-76.16639	50	OPEN HOLE	15		DOMESTIC
182731	VARNER ARTHUR	1/1/1974		LANCASTER	41.08583	-76.19250	125	OPEN HOLE	7		DOMESTIC
182732	BRADER HERB	1/1/1972		LANCASTER	41.08944	-76.18056	100	OPEN HOLE	12		DOMESTIC
190082	SALVATERRA N			SNYDER	41.02278	-76.17556	275	OPEN HOLE	18	60	DOMESTIC
214480	HAZLETON WASTE MAT	9/21/1975		LUZERNE	40.92056	-75.99944	170		20	5	INDUSTRIAL
247067	4 SEASONS MOBILE ESTATES			LUZERNE	40.92330	-75.99940	180		55		PUBLIC SUPPLY
247068	4 SEASONS MOBILE ESTATES			LUZERNE	40.92360	-75.99890	146		55	30	PUBLIC SUPPLY
247069	FARMER'S CO-OP			LUZERNE	40.98390	-75.98560	446		320		COMMERCIAL
247070	FARMER'S CO-OP			LUZERNE	40.98390	-75.98470	150		300		COMMERCIAL
247071	ZOLA'S LAMP POST			LUZERNE	40.98640	-75.95250	115			20	COMMERCIAL
247072	GUS GENETTI HOTEL & RESTAURANT			LUZERNE	40.98360	-75.98030	150		160	15	COMMERCIAL

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Table 2.3-33 {Groundwater Wells Located within a 25 Mile (40-km) Radius of BBNPP (Listed in Pennsylvania Groundwater Information System)}

PA WELL ID	OWNER	DATE DRILLED	DRILLING METHOD	COUNTY	LATITUDE	LONGITUDE	WELL DEPTH (ft bgs)	WELL FINISH	WELL YIELD (gpm)	STATIC WATER LEVEL (ft bgs)	WATER USE
247073	GUS GENETTI HOTEL & RESTAURANT			LUZERNE	40.98310	-75.97940	120		135		COMMERCIAL
247074	GUS GENETTI HOTEL & RESTAURANT			LUZERNE	40.98390	-75.97940	170		145	22	COMMERCIAL
247075	HAZLE PARK PACKING CO.			LUZERNE	40.96360	-75.99940	590	OPEN HOLE	10	160	COMMERCIAL
247076	LAUREL RESTAURANT			LUZERNE	40.97690	-75.98000	75	OPEN END	1		COMMERCIAL
247286	CARBON COUNTY PRISON			CARBON	40.87280	-75.78610			20		PUBLIC SUPPLY
247297	WEATHERLY COUNTRY INN			CARBON	40.96470	-75.78060	120				COMMERCIAL
247306	WHITEWATER CHALLENGERS, INC.			CARBON	40.98810	-75.78140	150		13		COMMERCIAL
247307	WHITEWATER CHALLENGERS, INC.			CARBON	40.98810	-75.78140	300		21		COMMERCIAL
247336	MCADOO INDUSTRIAL PARK WATER			CARBON	40.90390	-75.97470	600				COMMERCIAL
247348	CARBON COUNTY ENVIRO CENTER			CARBON	40.82810	-75.84220	150		25		INSTITUTIONAL
247699	TAMAQUA AREA WATER AUTHORITY			SCHUYLKILL	40.79690	-75.92330	340	OPEN END			PUBLIC SUPPLY
247700	WILDCAT PARK CORPORATION			SCHUYLKILL	40.76720	-75.98360			9		PUBLIC SUPPLY
247701	WILDCAT PARK CORPORATION			SCHUYLKILL	40.76720	-75.98330			45		PUBLIC SUPPLY
247708	STILL CREEK TAVERN INC			SCHUYLKILL	40.87670	-75.96190	300				COMMERCIAL
247765	NESQUEHONING BORO WATER AUTH			CARBON	40.85889	-75.85694					PUBLIC SUPPLY
247766	NESQUEHONING BORO WATER AUTH			CARBON	40.85944	-75.85722					PUBLIC SUPPLY
247767	NESQUEHONING BORO WATER AUTH			CARBON	40.86861	-75.80083					PUBLIC SUPPLY
247768	NESQUEHONING BORO WATER AUTH			CARBON	40.86944	-75.80750					PUBLIC SUPPLY
247769	NESQUEHONING BORO WATER AUTH			CARBON	40.86944	-75.79889					PUBLIC SUPPLY

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Table 2.3-33 {Groundwater Wells Located within a 25 Mile (40-km) Radius of BBNPP (Listed in Pennsylvania Groundwater Information System)}

PA WELL ID	OWNER	DATE DRILLED	DRILLING METHOD	COUNTY	LATITUDE	LONGITUDE	WELL DEPTH (ft bgs)	WELL FINISH	WELL YIELD (gpm)	STATIC WATER LEVEL (ft bgs)	WATER USE
247852	NEW ENGLAND FIRE CO.			SCHUYLKILL	40.77944	-75.97972					COMMERCIAL
248645	ECHO VALLEY MHP			LUZERNE	41.32139	-75.92333	300		46		PUBLIC SUPPLY
248646	OLD TURNPIKE VILLAGE			LUZERNE	41.06080	-75.96890	385		30		PUBLIC SUPPLY
248647	FIELDCREST WATER ASSOC.			LUZERNE	41.30444	-75.96528	360	GRAVEL PAC	44	120	PUBLIC SUPPLY
248648	PARDEESVILLE WATER ASSOC			LUZERNE	41.00220	-75.96750	225		8		PUBLIC SUPPLY
248649	PARDEESVILLE WATER ASSOC			LUZERNE	41.00220	-75.96250	300		8		PUBLIC SUPPLY
248650	PARDEESVILLE WATER ASSOC			LUZERNE	41.00250	-75.96250	500	OPEN END	25	60	PUBLIC SUPPLY
248651	PARDEESVILLE WATER ASSOC			LUZERNE	41.00280	-75.96250	275		8		PUBLIC SUPPLY
248652	PARDEESVILLE WATER ASSOC			LUZERNE	41.00330	-75.96250	650		14		PUBLIC SUPPLY
248654	MAPLE CREST WATER COMPANY			LUZERNE	41.32583	-75.90889	380		24		PUBLIC SUPPLY
248655	SKYWAY MOBILEHOME PARK			LUZERNE	41.04420	-75.79500	160		1		PUBLIC SUPPLY
248656	KEYSTONE JOB CORPS CENTER			LUZERNE	41.00140	-75.98920	300		70	175	INSTITUTIONAL
248657	KEYSTONE JOB CORPS CENTER			LUZERNE	41.00580	-75.98780	280		155		INSTITUTIONAL
248658	KEYSTONE JOB CORPS CENTER			LUZERNE	41.00860	-75.98330	300		150		INSTITUTIONAL
248659	LAUREL RUN ESTATES			LUZERNE	41.22280	-75.79560	604	OPEN END	22	249	PUBLIC SUPPLY
248660	LAUREL RUN ESTATES			LUZERNE	41.22140	-75.78810	800	OPEN END	15	300	PUBLIC SUPPLY
248661	LAUREL RUN ESTATES			LUZERNE	41.22000	-75.78640	500	OPEN END	50	262	PUBLIC SUPPLY
248662	VALLEY STREAM MOBILE HM VILLAG			LUZERNE	41.11690	-75.96110	345		15		PUBLIC SUPPLY
248663	VALLEY STREAM MOBILE HM VILLAG			LUZERNE	41.11940	-75.95750			21		PUBLIC SUPPLY
248664	COUNTRY VILLAGE MHP			LUZERNE	41.39444	-75.93083	480		7		PUBLIC SUPPLY

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248665	BEECHCREST MOBILE HOME PARK			LUZERNE	41.08170	-75.77670	295		1		PUBLIC SUPPLY
248666	COUNTRY PINE ESTATES			LUZERNE	41.33500	-75.96167	125		13		PUBLIC SUPPLY
248667	COUNTRY PINE ESTATES			LUZERNE	41.33500	-75.96167	300		11		PUBLIC SUPPLY
248668	VALLEY VIEW MHP			LUZERNE	41.37278	-75.92722	680		76		PUBLIC SUPPLY
248669	DALLAS MHP			LUZERNE	41.35139	-75.96278	125		19		PUBLIC SUPPLY
248670	DALLAS MHP			LUZERNE	41.35139	-75.96278	425		31		PUBLIC SUPPLY
248679	HYLAND MOBILE HOME PARK			LUZERNE	41.03310	-75.79190	135		12		PUBLIC SUPPLY
248680	PAWC HILLCREST WATER CO.			LUZERNE	41.31250	-75.94333	490		19		PUBLIC SUPPLY
248681	PAWC HOMESITE WATER COMPANY			LUZERNE	41.32667	-75.89917	179		14		PUBLIC SUPPLY
248683	UNITED WATER PA DALLAS			LUZERNE	41.04780	-75.99940	180				PUBLIC SUPPLY
248684	UNITED WATER PA DALLAS			LUZERNE	41.34860	-75.99030	365		28		PUBLIC SUPPLY
248685	UNITED WATER PA DALLAS			LUZERNE	41.34530	-75.98060	250		300		PUBLIC SUPPLY
248686	UNITED WATER PA DALLAS			LUZERNE	41.33940	-75.97030	180	SCREEN	250		PUBLIC SUPPLY
248687	UNITED WATER PA DALLAS			LUZERNE	41.35970	-75.96890	410		225		PUBLIC SUPPLY
248688	UNITED WATER PA DALLAS			LUZERNE	41.33580	-75.96280	425		175		PUBLIC SUPPLY
248689	UNITED WATER PA DALLAS			LUZERNE	41.34330	-75.95920	531		70		PUBLIC SUPPLY
248690	UNITED WATER PA DALLAS			LUZERNE	41.33420	-75.93580	580		40		PUBLIC SUPPLY
248691	FOREST PARK			LUZERNE	41.19111	-75.78833	400	SCREEN	25		PUBLIC SUPPLY
248692	FOREST PARK			LUZERNE	41.19167	-75.78833	126	SCREEN	15		PUBLIC SUPPLY
248693	PENN LAKE			LUZERNE	41.11420	-75.76390	260	SCREEN	64	4	PUBLIC SUPPLY
248695	OVERBROOK WATER COMPANY			LUZERNE	41.32444	-75.95222	520		130	400	PUBLIC SUPPLY
248697	OVERBROOK WATER COMPANY			LUZERNE	41.32639	-75.94556	290		900	134	PUBLIC SUPPLY
248698	APPLEWOOD WATER COMPANY			LUZERNE	41.37056	-75.92528	202	OPEN HOLE	44	30	PUBLIC SUPPLY
248700	GARBUSH WATER COMPANY			LUZERNE	41.28194	-75.96500	260	OPEN HOLE	40	30	PUBLIC SUPPLY

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PA WELL ID	OWNER	DATE DRILLED	DRILLING METHOD	COUNTY	LATITUDE	LONGITUDE	WELL DEPTH (ft bgs)	WELL FINISH	WELL YIELD (gpm)	STATIC WATER LEVEL (ft bgs)	WATER USE
248701	GARBUSH WATER COMPANY			LUZERNE	41.28194	-75.96500	260	OPEN HOLE	40	30	PUBLIC SUPPLY
248702	UNITED WATER PA SHAVERTOWN			LUZERNE	41.32610	-75.94030	400		238	42	PUBLIC SUPPLY
248705	TOWN & COUNTRY WATER ASSOC			LUZERNE	41.30056	-75.99444	250	OPEN HOLE	42	80	PUBLIC SUPPLY
248706	TOWN & COUNTRY WATER ASSOC			LUZERNE	41.30060	-75.91110	250	OPEN HOLE	42	94	PUBLIC SUPPLY
248707	MIDWAY MANOR WATER CO.			LUZERNE	41.33500	-75.92000			40		PUBLIC SUPPLY
248708	MIDWAY MANOR WATER CO.			LUZERNE	41.33500	-75.92000			150		PUBLIC SUPPLY
248709	MIDAY MANOR HARRIS HILL			LUZERNE	41.32667	-75.91889			13		PUBLIC SUPPLY
248710	ORCHARD EAST WATER ASSOC			LUZERNE	41.32972	-75.95639	459		25		PUBLIC SUPPLY
248711	WHITE HAVEN MUN WATER AUTH			LUZERNE	41.05190	-75.81610	600		35	40	PUBLIC SUPPLY
248712	WHITE HAVEN MUN WATER AUTH			LUZERNE	41.05190	-75.81500	600		35	40	PUBLIC SUPPLY
248715	WHITE HAVEN CENTER			LUZERNE	41.05780	-75.79890	385		150	20	PUBLIC SUPPLY
248716	WHITE HAVEN CENTER			LUZERNE	41.06000	-75.79830	397		144	35	PUBLIC SUPPLY
248717	COUNTRY CLUB APTS			LUZERNE	41.35694	-75.96583	375		25		PUBLIC SUPPLY
248718	LAUREL LAKES VILLAGE			LUZERNE	41.15890	-75.96440	350	OPEN END	30	16	PUBLIC SUPPLY
248719	LAUREL LAKES VILLAGE			LUZERNE	41.15750	-75.96330	380	OPEN END	17	77	PUBLIC SUPPLY
248720	LAUREL LAKES VILLAGE			LUZERNE	41.15640	-75.96280	450	OPEN END	30	12	PUBLIC SUPPLY
248721	LAUREL LAKES VILLAGE			LUZERNE	41.15670	-75.96250	230	OPEN END	18	65	PUBLIC SUPPLY
248722	ORCHARD WEST WATER ASSOC.			LUZERNE	41.32944	-75.95833	475		5		PUBLIC SUPPLY
248723	FOUR SEASONS SEWER & WATER CO.			LUZERNE	41.04360	-75.92530	742		150	43	PUBLIC SUPPLY
248724	FOUR SEASONS SEWER & WATER CO.			LUZERNE	41.04750	-75.92470	742		139	119	PUBLIC SUPPLY
248725	MEADOWS COMPLEX			LUZERNE	41.34194	-75.96694	450				PUBLIC SUPPLY

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Table 2.3-33 {Groundwater Wells Located within a 25 Mile (40-km) Radius of BBNPP (Listed in Pennsylvania Groundwater Information System)}

PA WELL ID	OWNER	DATE DRILLED	DRILLING METHOD	COUNTY	LATITUDE	LONGITUDE	WELL DEPTH (ft bgs)	WELL FINISH	WELL YIELD (gpm)	STATIC WATER LEVEL (ft bgs)	WATER USE
248726	FRITZINGERTOWN SR LIV COMM #1			LUZERNE	41.00670	-75.99970	100		12		PUBLIC SUPPLY
248727	BUTLER VALLEY MANOR			LUZERNE	41.05000	-75.94110	668	OPEN HOLE	100	100	PUBLIC SUPPLY
248728	BEAR CREEK HEALTH CARE CENTER			LUZERNE	41.17890	-75.74500	195	SCREEN			PUBLIC SUPPLY
248729	MEADOWS 1 NEWBERRY ESTATES			LUZERNE	41.32639	-75.95722	468				PUBLIC SUPPLY
248730	SUNRISE ESTATES			LUZERNE	41.32417	-75.90778	250		20	20	PUBLIC SUPPLY
248731	SUNRISE ESTATES			LUZERNE	41.32500	-75.90722	275		150		PUBLIC SUPPLY
248732	SUNRISE ESTATES			LUZERNE	41.32500	-75.90722	550		20	73	PUBLIC SUPPLY
248733	SUNRISE ESTATES			LUZERNE	41.32500	-75.90722	775		20		PUBLIC SUPPLY
248734	VALLEY GORGE MOBILE HOME PARK			LUZERNE	41.04860	-75.77470	300	OPEN HOLE	7	47	PUBLIC SUPPLY
248735	SUTTON HILLS LIMITED			LUZERNE	41.31639	-75.98750	600	OPEN HOLE	55	124	PUBLIC SUPPLY
248736	CHERONES MOBILEHOME PARK			LUZERNE	41.02530	-75.89670	160		25		PUBLIC SUPPLY
248737	CEDAR LANES ASSOCIATION, INC.			LUZERNE	41.33056	-75.91111	698		20	85	PUBLIC SUPPLY
248738	DAMENTI'S			LUZERNE	41.07720	-75.95860	250				COMMERCIAL
248739	DAMENTI'S			LUZERNE	41.07720	-75.95860	350				COMMERCIAL
248740	STAGE COACH INN			LUZERNE	41.07220	-75.96640	135				COMMERCIAL
248741	VALLEY HOTEL			LUZERNE	41.02080	-75.96360	100				COMMERCIAL
248742	IVANHOE RESTAURANT & LOUNGE			LUZERNE	41.01580	-75.96500	160				COMMERCIAL
248743	HOTEL DENKE			LUZERNE	41.00560	-75.97250	225				COMMERCIAL
248744	BUTLER TWP FIRE CO INC			LUZERNE	41.02170	-75.95110	140			40	FIRE
248745	PALERMO'S PASTA HOUSE			LUZERNE	41.01940	-75.96190	215			60	COMMERCIAL
248747	WILKES BARRE MUNIC GOLF COURSE			LUZERNE	41.19028	-75.80639	250	OPEN END	1		COMMERCIAL
248748	BEAR CREEK INN			LUZERNE	41.18280	-75.76220	120	OPEN END			COMMERCIAL
248749	EMER LEGION MOUNTAIN POST 781			LUZERNE	41.13000	-75.94830	300				COMMERCIAL

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Table 2.3-33 {Groundwater Wells Located within a 25 Mile (40-km) Radius of BBNPP (Listed in Pennsylvania Groundwater Information System)}

PA WELL ID	OWNER	DATE DRILLED	DRILLING METHOD	COUNTY	LATITUDE	LONGITUDE	WELL DEPTH (ft bgs)	WELL FINISH	WELL YIELD (gpm)	STATIC WATER LEVEL (ft bgs)	WATER USE
248750	NEW BACK MOUNTAIN BOWL			LUZERNE	41.34111	-75.98417	125				COMMERCIAL
248751	DALLAS SENIOR HIGH SCHOOL			LUZERNE	41.34667	-75.96333	297				INSTITUTIONAL
248752	DALLAS SENIOR HIGH SCHOOL			LUZERNE	41.34472	-75.95528	367				INSTITUTIONAL
248753	KANDLE-LITE MOTEL & LOUNGE			LUZERNE	41.32194	-75.91083	400				COMMERCIAL
248754	FRANCES SLOCUM STATE PARK			LUZERNE	41.33639	-75.89194	450	SCREEN	178		PUBLIC SUPPLY
248755	FRANCES SLOCUM STATE PARK			LUZERNE	41.33639	-75.89000	450	SCREEN	433		PUBLIC SUPPLY
248756	IREM TEMPLE COUNTRY CLUB			LUZERNE	41.35972	-75.97389	275				COMMERCIAL
248757	IREM TEMPLE COUNTRY CLUB			LUZERNE	41.35972	-75.97444	350				COMMERCIAL
248758	COUSIN BILLS			LUZERNE	41.36972	-75.97111	150				COMMERCIAL
248759	ROLLAWAY			LUZERNE	41.34139	-75.98361	185				COMMERCIAL
248760	THE APPLETREE TERRACE			LUZERNE	41.32917	-75.95361	300				COMMERCIAL
248761	OVERBROOK RESTAURANT			LUZERNE	41.32194	-75.95639	400				COMMERCIAL
248762	FARMERS INN			LUZERNE	41.29639	-75.95167	110				COMMERCIAL
248763	TWIN OAKS GOLF COURSE			LUZERNE	41.38889	-75.90556	325				COMMERCIAL
248764	KIRBY EPISCOPAL HOUSE			LUZERNE	41.14920	-75.86110	660				INSTITUTIONAL
248765	COUNTRY PUB			LUZERNE	41.15580	-75.98330	165				COMMERCIAL
248766	RICE ELEMENTARY SCHOOL			LUZERNE	41.14500	-75.97170	275		9		INSTITUTIONAL
248767	ORLOSKI QUIK MART I80&RTE309			LUZERNE	41.05440	-75.96030	230		15		COMMERCIAL
248768	FAMILY RESTAURANT			LUZERNE	41.11310	-75.91530	100				COMMERCIAL
248769	BOBBY D'S			LUZERNE	41.04530	-75.78080	75			20	COMMERCIAL

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Table 2.3-33 {Groundwater Wells Located within a 25 Mile (40-km) Radius of BBNPP (Listed in Pennsylvania Groundwater Information System)}

PA WELL ID	OWNER	DATE DRILLED	DRILLING METHOD	COUNTY	LATITUDE	LONGITUDE	WELL DEPTH (ft bgs)	WELL FINISH	WELL YIELD (gpm)	STATIC WATER LEVEL (ft bgs)	WATER USE
248770	CHARLIE WEAVER'S BAR & REST.			LUZERNE	41.07940	-75.79190	125				COMMERCIAL
248771	ECONO LODGE			LUZERNE	41.05720	-75.96220	365				COMMERCIAL
248772	ECONO LODGE			LUZERNE	41.05720	-75.96190	365				COMMERCIAL
248773	CAMP ORCHARD HILL			LUZERNE	41.39222	-75.92306	200				COMMERCIAL
248774	HUNTSVILLE CHRISTIAN CHURCH %			LUZERNE	41.30694	-75.97667	167				INSTITUTIONAL
248775	BEAR CREEK CAMP			LUZERNE	41.21472	-75.75528	275	SCREEN			PUBLIC SUPPLY
248776	BEAR CREEK CAMP			LUZERNE	41.21333	-75.75528	400	SCREEN			PUBLIC SUPPLY
248777	BEAR CREEK CAMP			LUZERNE	41.21389	-75.75250	450	SCREEN		85	PUBLIC SUPPLY
248779	SANDY VALLEY CAMPGROUND			LUZERNE	41.00830	-75.83860	400	OPEN HOLE		200	PUBLIC SUPPLY
248780	SANDY VALLEY CAMPGROUND			LUZERNE	41.00860	-75.83750	365	OPEN HOLE			PUBLIC SUPPLY
248781	EDGEWOOD IN THE PINES			LUZERNE	41.03560	-75.96830	200	OPEN HOLE	30	120	COMMERCIAL
248782	ORLOSKI QUIK MART BEAR CREEK			LUZERNE	41.20444	-75.78972	150	OPEN END	12	44	COMMERCIAL
248783	COUNTRYSIDE INN			LUZERNE	41.35139	-75.95028	197				COMMERCIAL
248784	SAFTEY REST AREA SITE #39			LUZERNE	41.05470	-75.83860	350		20	45	PUBLIC SUPPLY
248785	SAFETY REST SITE #53			LUZERNE	41.10310	-75.96030	206		25		PUBLIC SUPPLY
248786	SAFTEY REST AREA SITE #54			LUZERNE	41.13080	-75.96360	270		10		PUBLIC SUPPLY
248787	ORLOSKI QUIK MART			LUZERNE	41.02140	-75.96420	360			50	COMMERCIAL
248788	TRIPLE B STEAKS & MORE			LUZERNE	41.33139	-75.95222	408				COMMERCIAL
248789	CARMEN'S COUNTRY INN			LUZERNE	41.01890	-75.91920	250		20	100	COMMERCIAL
248790	DRUMS FUEL STOP INC.			LUZERNE	41.05140	-75.95920	162			56	COMMERCIAL
248791	CLEARBROOK MANOR			LUZERNE	41.22000	-75.84810	600		8		PUBLIC SUPPLY
248792	CLEARBROOK MANOR			LUZERNE	41.21860	-75.84440	100		8		PUBLIC SUPPLY
248793	CLEARBROOK MANOR			LUZERNE	41.21860	-75.84440	800		8		PUBLIC SUPPLY
248794	DALLAS SHOPPING CENTER			LUZERNE	41.33222	-75.95389	210		1		COMMERCIAL
248795	SPRINGTOWN SALOON			LUZERNE	41.07810	-75.97810	226				COMMERCIAL

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Table 2.3-33 {Groundwater Wells Located within a 25 Mile (40-km) Radius of BBNPP (Listed in Pennsylvania Groundwater Information System)}

PA WELL ID	OWNER	DATE DRILLED	DRILLING METHOD	COUNTY	LATITUDE	LONGITUDE	WELL DEPTH (ft bgs)	WELL FINISH	WELL YIELD (gpm)	STATIC WATER LEVEL (ft bgs)	WATER USE
248796	HARVEY'S LAKE YACHT CLUB			LUZERNE	41.33110	-75.95220	110				COMMERCIAL
248797	HARVEY'S LAKE YACHT CLUB			LUZERNE	41.33110	-75.95220	185				COMMERCIAL
248798	J R'S TAVERN			LUZERNE	41.04560	-75.78140	600		36	50	COMMERCIAL
248799	CHATTERBOX SPORTS BAR			LUZERNE	41.01830	-75.88500	110				COMMERCIAL
248800	J & J DELI & BAKERY			LUZERNE	41.33833	-75.96806	186				COMMERCIAL
248801	ORLOSKI'S QUIK MART #7			LUZERNE	41.15170	-75.96250	225		25	225	COMMERCIAL
248802	DYMOND'S FARM MARKET			LUZERNE	41.32333	-75.94417	165				COMMERCIAL
248803	RITTENHOUSE PLACE LTD.			LUZERNE	41.01110	-75.96560	283	GRAVEL PAC			COMMERCIAL
248804	SMALL WONDERS DAY CARE			LUZERNE	41.32194	-75.91500	350				COMMERCIAL
248805	PALUCK'S FOOD CONCESSION'S			LUZERNE	41.15500	-75.97830	120				COMMERCIAL
248806	COURY'S			LUZERNE	41.28417	-75.96417	120	GRAVEL PAC	7		COMMERCIAL
248807	MICKEY'S GOLF CENTER			LUZERNE	41.08670	-75.91190	183	OPEN HOLE	20	120	COMMERCIAL
248808	MOTOR AGE			LUZERNE	41.01110	-75.96560	323	OPEN HOLE			COMMERCIAL
248810	SITKO'S BARN			LUZERNE	41.19670	-75.78640	300	OPEN HOLE	2	40	COMMERCIAL
248811	KISENWETHER'S RESTAURANT			LUZERNE	41.05420	-75.96190	200	OPEN HOLE	100	120	COMMERCIAL
248812	LUZERNE COUNTY FAIRGROUNDS			LUZERNE	41.33417	-75.99556	400	OPEN HOLE		80	INSTITUTIONAL
248813	ROD'S DELI			LUZERNE	41.01750	-75.99890	100				COMMERCIAL
248814	ORLOSKI'S QUIK MART			LUZERNE	41.33139	-75.95444	300	OPEN HOLE		70	COMMERCIAL
248815	BLUE RIDGE PLAZA			LUZERNE	41.06940	-75.97030			20		COMMERCIAL
248816	COUNTRY CORNERS GENERAL STORE			LUZERNE	41.04110	-75.95470	225	OPEN HOLE	20	40	COMMERCIAL
248817	BEAR CREEK CAFE			LUZERNE	41.17720	-75.75560			30		COMMERCIAL
248818	THREE SPRINGS WATER CO.			LUZERNE	41.20920	-75.86080			42		PUBLIC SUPPLY
249593	FREEMAN'S MHP			WYOMING	41.40190	-75.98170	340		17	60	PUBLIC SUPPLY
249597	SMITH'S STORE			WYOMING	41.41030	-75.99780	60				COMMERCIAL

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Table 2.3-33 {Groundwater Wells Located within a 25 Mile (40-km) Radius of BBNPP (Listed in Pennsylvania Groundwater Information System)}

PA WELL ID	OWNER	DATE DRILLED	DRILLING METHOD	COUNTY	LATITUDE	LONGITUDE	WELL DEPTH (ft bgs)	WELL FINISH	WELL YIELD (gpm)	STATIC WATER LEVEL (ft bgs)	WATER USE
249611	SPRINGHILL MOBILE HOME PARK			CARBON	41.06810	-75.75670	175				PUBLIC SUPPLY
249612	SPRINGHILL MOBILE HOME PARK			CARBON	41.06830	-75.75640	200				PUBLIC SUPPLY
249618	HICKORY RUN FAMILY RESTAURANT			CARBON	41.06250	-75.74940	175		3		COMMERCIAL
249632	RICHIE'S HOUSE OF STEAK, INC.			CARBON	41.06750	-75.74720	325				COMMERCIAL
249633	MCDONALD'S			CARBON	41.07110	-75.70250			35		COMMERCIAL
249637	OSRAM SYLVANIA			BRADFORD	41.00000	-76.00000					COMMERCIAL
249638	PHYSICIAN CARE - WYSOX			BRADFORD	41.00000	-76.00000					COMMERCIAL
249654	VALLEY STREAM MOBILE HM VILLAG			LUZERNE	41.12000	-75.95861					COMMERCIAL
249655	UNITED WATER PA SHAVERTOWN			LUZERNE	41.32611	-75.94028					PUBLIC SUPPLY
249656	HILLSIDE CONDOMINIUMS			LUZERNE	41.32944	-75.95500		OPEN HOLE			COMMERCIAL
249657	ST.PAUL'S UNITED METHODIST CH.			LUZERNE	41.01805	-75.99444					INSTITUTIONAL
249658	PENN GENERAL FOOD MART			LUZERNE	41.34167	-75.99306					COMMERCIAL
249661	COMIC MEISTER			LUZERNE	41.01111	-75.96555					COMMERCIAL
250019	CONYNGHAM WATER CO			LUZERNE	40.98890	-76.07420	442	OPEN HOLE	122	18	PUBLIC SUPPLY
250020	CONYNGHAM WATER CO			LUZERNE	40.99720	-76.05500	400	OPEN HOLE	80	31	PUBLIC SUPPLY
250021	SMITTY'S MIDWAY			LUZERNE	40.94170	-76.16750	90				COMMERCIAL
250022	SALLY PURSELL'S COUNTRY INN			LUZERNE	40.98360	-76.15310	150		200		COMMERCIAL
250023	VALLEY COUNTRY CLUB			LUZERNE	40.99220	-76.04310	90		86	100	COMMERCIAL
250024	VALLEY COUNTRY CLUB			LUZERNE	40.98500	-76.03940	200		6	53	COMMERCIAL
250025	VALLEY COUNTRY CLUB			LUZERNE	40.98750	-76.03750	280		30		COMMERCIAL
250026	ROSSI BAR AND RESTAURANT			LUZERNE	40.98190	-76.02610	185		2		COMMERCIAL
250027	ANNE MCLAUGHLIN'S CHILD CARE			LUZERNE	40.99890	-76.08420	120		150	55	COMMERCIAL

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Table 2.3-33 {Groundwater Wells Located within a 25 Mile (40-km) Radius of BBNPP (Listed in Pennsylvania Groundwater Information System)}

PA WELL ID	OWNER	DATE DRILLED	DRILLING METHOD	COUNTY	LATITUDE	LONGITUDE	WELL DEPTH (ft bgs)	WELL FINISH	WELL YIELD (gpm)	STATIC WATER LEVEL (ft bgs)	WATER USE
250028	HUMBOLDT INDUSTRIAL PARK			LUZERNE	40.92720	-76.06140	775		50		COMMERCIAL
250029	HUMBOLDT INDUSTRIAL PARK			LUZERNE	40.93140	-76.05640	495		200		COMMERCIAL
250030	HUMBOLDT INDUSTRIAL PARK			LUZERNE	40.92750	-76.05190	545		119		COMMERCIAL
250031	HUMBOLDT INDUSTRIAL PARK			LUZERNE	40.92500	-76.04940	500	OPEN HOLE	185		COMMERCIAL
250032	HUMBOLDT INDUSTRIAL PARK			LUZERNE	40.92690	-76.04170	256		200		COMMERCIAL
250033	HUMBOLDT INDUSTRIAL PARK			LUZERNE	40.93310	-76.03280	500		50		COMMERCIAL
250034	HUMBOLDT INDUSTRIAL PARK			LUZERNE	40.92220	-76.01720	600	OPEN HOLE	150		COMMERCIAL
250035	TOM'S KITCHEN			LUZERNE	40.99440	-76.07030	260				COMMERCIAL
250036	ALLIED SERVICES WORK MED			LUZERNE	40.97920	-76.01280	184				INSTITUTIONAL
250037	GOULD'S IGA			LUZERNE	40.99640	-76.07000	300				COMMERCIAL
250038	STEWART'S ROOT BEER D I REST			LUZERNE	40.99890	-76.07250	220			150	COMMERCIAL
250039	BELL OF PA			LUZERNE	40.98720	-76.01440	190		10		COMMERCIAL
250040	TAVERN IN THE GLEN			LUZERNE	40.96330	-76.16970	160	OPEN HOLE	125	14	COMMERCIAL
250041	ROCK GLEN PARK & POOL COMPLEX			LUZERNE	40.96940	-76.18780	248				COMMERCIAL
250042	PANTRY QUIK			LUZERNE	40.98750	-76.06610	200		126		COMMERCIAL
250043	93 PLAZA			LUZERNE	40.99030	-76.06640	185		8	30	COMMERCIAL
250044	GEORGE ERNST MEMORIAL POOL			LUZERNE	40.99250	-76.05920	125			10	COMMERCIAL
250045	VALLEY VIEW HOTEL			LUZERNE	40.94080	-76.17330	250	OPEN HOLE	15	120	COMMERCIAL
250046	GERRIE'S FITNESS CENTER			LUZERNE	40.99780	-76.06890	215	OPEN HOLE	300	30	COMMERCIAL
250047	GROWI YEARS CHILD CARE CTR INC			LUZERNE	40.98920	-76.06920	520	OPEN HOLE		200	COMMERCIAL

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Table 2.3-33 {Groundwater Wells Located within a 25 Mile (40-km) Radius of BBNPP (Listed in Pennsylvania Groundwater Information System)}

PA WELL ID	OWNER	DATE DRILLED	DRILLING METHOD	COUNTY	LATITUDE	LONGITUDE	WELL DEPTH (ft bgs)	WELL FINISH	WELL YIELD (gpm)	STATIC WATER LEVEL (ft bgs)	WATER USE
250048	HAZLETON CITY AUTH WATER DEPT.			LUZERNE	40.94940	-76.06030	300		139	20	PUBLIC SUPPLY
250049	HAZLETON CITY AUTH WATER DEPT.			LUZERNE	40.95030	-76.06030	580		250	40	PUBLIC SUPPLY
250050	HAZLETON CITY AUTH WATER DEPT.			LUZERNE	40.91750	-76.02830	292		100	50	PUBLIC SUPPLY
250051	HAZLETON CITY AUTH WATER DEPT.			LUZERNE	40.92500	-76.02750	425		450	30	PUBLIC SUPPLY
250052	HAZLETON CITY AUTH WATER DEPT.			LUZERNE	40.98110	-76.02530	400		300	30	PUBLIC SUPPLY
250053	HAZLETON CITY AUTH WATER DEPT.			LUZERNE	40.92720	-76.02330	402		200	20	PUBLIC SUPPLY
250054	HAZLETON CITY AUTH WATER DEPT.			LUZERNE	40.98060	-76.02000	400		300	30	PUBLIC SUPPLY
250055	HAZLETON CITY AUTH WATER DEPT.			LUZERNE	40.92890	-76.01860	277		300	10	PUBLIC SUPPLY
250056	HAZLETON CITY AUTH WATER DEPT.			LUZERNE	40.93080	-76.00310	250		400		PUBLIC SUPPLY
250057	HAZLETON CITY AUTH WATER DEPT			LUZERNE	40.97000	-76.09030	150		25	60	PUBLIC SUPPLY
250058	HAZLETON CITY AUTH WATER DEPT			LUZERNE	40.95500	-76.14810	170		30		PUBLIC SUPPLY
250084	MAHANOY TWP AUTH			SCHUYLKILL	40.84690	-76.12580	333		300	15	PUBLIC SUPPLY
250085	EAGLE ROCK COMMUNITY ASSOC.			SCHUYLKILL	40.90500	-76.12580	715		119		PUBLIC SUPPLY
250086	EAGLE ROCK COMMUNITY ASSOC.			SCHUYLKILL	40.92390	-76.11030	605		44	68	PUBLIC SUPPLY
250088	NUREMBURG WATER CO			SCHUYLKILL	40.93860	-76.17310	235				PUBLIC SUPPLY
250089	NUREMBURG WATER CO			SCHUYLKILL	40.93830	-76.17250	193				PUBLIC SUPPLY
250096	ASHLAND AREA WATER AUTHORITY			SCHUYLKILL	40.77500	-76.25250	450		180		PUBLIC SUPPLY
250097	PA AM WATER CO-FRACKVILLE DIST			SCHUYLKILL	40.78640	-76.23470	402		150	120	PUBLIC SUPPLY

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Table 2.3-33 {Groundwater Wells Located within a 25 Mile (40-km) Radius of BBNPP (Listed in Pennsylvania Groundwater Information System)}

PA WELL ID	OWNER	DATE DRILLED	DRILLING METHOD	COUNTY	LATITUDE	LONGITUDE	WELL DEPTH (ft bgs)	WELL FINISH	WELL YIELD (gpm)	STATIC WATER LEVEL (ft bgs)	WATER USE
250098	PA AM WATER CO-FRACKVILLE DIST			SCHUYLKILL	40.77780	-76.23250	450		150	250	PUBLIC SUPPLY
250099	PA AM WATER CO-FRACKVILLE DIST			SCHUYLKILL	40.77750	-76.23190	500		300	125	PUBLIC SUPPLY
250100	PA AM WATER CO-FRACKVILLE DIST			SCHUYLKILL	40.77810	-76.23080	420		200	95	PUBLIC SUPPLY
250101	PA AM WATER CO-FRACKVILLE DIST			SCHUYLKILL	40.82860	-76.15860	550		175	144	PUBLIC SUPPLY
250116	SCHUYLKILL CO MUN. AUTH.			SCHUYLKILL	40.75140	-76.19030			128		PUBLIC SUPPLY
250117	RINGTOWN BORO WATER DEPARTMENT			SCHUYLKILL	40.84810	-76.22140	500		131		PUBLIC SUPPLY
250118	MELANIE MANOR MOBILE HOME PARK			SCHUYLKILL	40.86750	-76.22080	290				PUBLIC SUPPLY
250133	IRVIN'S CAFE			SCHUYLKILL	40.89720	-76.11830	85				COMMERCIAL
250136	LEGION MAPLE CLUB			SCHUYLKILL	40.85170	-76.03750	90				COMMERCIAL
250139	WHEELABRATOR FRACKVILLE ENERGY			SCHUYLKILL	40.78190	-76.17720	200		30		COMMERCIAL
250144	HAPPY LOUIE'S			SCHUYLKILL	40.86500	-76.19580	52		1		COMMERCIAL
250146	WANDA KENESKY			SCHUYLKILL	40.81190	-76.04250	100				COMMERCIAL
250147	MOUNTAIN VALLEY LODGE			SCHUYLKILL	40.79000	-76.12330	400		2		COMMERCIAL
250148	WALT'S DRIVE IN			SCHUYLKILL	40.85560	-76.00060	150				COMMERCIAL
250149	WHITE BIRCH GOLF COURSE			SCHUYLKILL	40.80940	-76.03030	680				COMMERCIAL
250150	LAKESIDE BAR AND GRILLE			SCHUYLKILL	40.81440	-76.04420	100				COMMERCIAL
250154	JOHN B. RICH MEM POWER STATION			SCHUYLKILL	40.78970	-76.19330	450		49		COMMERCIAL
250155	JOHN B. RICH MEM POWER STATION			SCHUYLKILL	40.79080	-76.18970	450		49		COMMERCIAL
250156	BLUE MOON TAVERN			SCHUYLKILL	40.89280	-76.11780	40		1		COMMERCIAL
250157	QUAKAKE VOLUNTEER FIRE COMPANY			SCHUYLKILL	40.85220	-76.03390	75				COMMERCIAL
250161	MARIAN HIGH SCHOOL			SCHUYLKILL	40.82750	-76.01670	250				INSTITUTIONAL

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Table 2.3-33 {Groundwater Wells Located within a 25 Mile (40-km) Radius of BBNPP (Listed in Pennsylvania Groundwater Information System)}

PA WELL ID	OWNER	DATE DRILLED	DRILLING METHOD	COUNTY	LATITUDE	LONGITUDE	WELL DEPTH (ft bgs)	WELL FINISH	WELL YIELD (gpm)	STATIC WATER LEVEL (ft bgs)	WATER USE
250165	ASHLAND REGIONAL MED CENTER			SCHUYLKILL	40.77110	-76.33560			75		COMMERCIAL
250166	COUNTRY ROAD DELI &CONVENIENCE			SCHUYLKILL	40.84670	-76.24860	200				COMMERCIAL
250168	STEWARD'S STORE			SCHUYLKILL	40.89750	-76.11780	100				COMMERCIAL
250173	BANQUET HOTEL			SCHUYLKILL	40.85030	-76.24940	65		55		COMMERCIAL
250175	TITUS MINI MART			SCHUYLKILL	40.85610	-76.00060	220		30	30	COMMERCIAL
250179	WHITE BIRCH - THE HUT			SCHUYLKILL	40.81170	-76.03810	485				COMMERCIAL
250202	SPRING HILL FARM, INC			SCHUYLKILL	40.75330	-76.34330	90		24		COMMERCIAL
250203	WONDERVIEW WATER CO			COLUMBIA	40.99860	-76.40190			14		PUBLIC SUPPLY
250204	HERITAGE HILLSIDE ESTATES			COLUMBIA	40.97530	-76.50690			24		PUBLIC SUPPLY
250205	COUNTRY TERRACE ESTATES			COLUMBIA	40.99060	-76.39500			18		PUBLIC SUPPLY
250206	GEISINGER OFFICE BUILDING 2			COLUMBIA	40.97500	-76.50690	180	OPEN END	13		COMMERCIAL
250208	PEPPER HILLS MOBILE HOME PARK			MONTOUR	40.96310	-76.55940			60		PUBLIC SUPPLY
250218	THREE PONDS GOLF SHOP			NORTHUMBERLAND	40.87220	-76.51720			1		COMMERCIAL
250300	MAY'S DRIVE IN			COLUMBIA	40.97500	-76.50000					COMMERCIAL
250301	STONE CASTLE MOTEL			COLUMBIA	40.97500	-76.52500					COMMERCIAL
250302	CATAWISSA AMERICAN LEGION			COLUMBIA	40.95833	-76.46667					COMMERCIAL
250303	TOM'S FAMILY RESTAURANT			COLUMBIA	40.94167	-76.45833					COMMERCIAL
250304	LAKE GLORY CAMPSITES			COLUMBIA	40.92500	-76.45833					COMMERCIAL
250305	SOUTHERN COLUMBIA AREA SCHOOL			COLUMBIA	40.90417	-76.49722					INSTITUTIONAL
250306	SOUTHERN COLUMBIA AREA SCHOOL			COLUMBIA	40.90417	-76.49722					INSTITUTIONAL
250307	SOUTHERN COLUMBIA AREA SCHOOL			COLUMBIA	40.90417	-76.49722					INSTITUTIONAL
250308	J & D CREE MEE FREEZE			COLUMBIA	40.90000	-76.49167					COMMERCIAL

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Table 2.3-33 {Groundwater Wells Located within a 25 Mile (40-km) Radius of BBNPP (Listed in Pennsylvania Groundwater Information System)}

PA WELL ID	OWNER	DATE DRILLED	DRILLING METHOD	COUNTY	LATITUDE	LONGITUDE	WELL DEPTH (ft bgs)	WELL FINISH	WELL YIELD (gpm)	STATIC WATER LEVEL (ft bgs)	WATER USE
250309	SCOTCH VALLEY RESTAURANT			COLUMBIA	40.97500	-76.26667					COMMERCIAL
250310	KEYSERS CAFE			COLUMBIA	40.97500	-76.37500					COMMERCIAL
250311	IDEAL PARK			COLUMBIA	40.93889	-76.45694					COMMERCIAL
250312	IDEAL PARK			COLUMBIA	40.93889	-76.45694					COMMERCIAL
250313	INDIAN HEAD CAMPGROUNDS			COLUMBIA	40.97722	-76.47111					COMMERCIAL
250314	J & D CAMPGROUND			COLUMBIA	40.90222	-76.51167					COMMERCIAL
250315	J & D CAMPGROUND			COLUMBIA	40.90222	-76.51167					COMMERCIAL
250316	J & D CAMPGROUND			COLUMBIA	40.90222	-76.51167					COMMERCIAL
250317	J & D CAMPGROUND			COLUMBIA	40.90222	-76.51167					COMMERCIAL
250318	J & D CAMPGROUND			COLUMBIA	40.90222	-76.51167					COMMERCIAL
250319	J & D CAMPGROUND			COLUMBIA	40.90222	-76.51167					COMMERCIAL
250320	CLEO'S INN			COLUMBIA	40.88083	-76.40222					COMMERCIAL
250321	CANDLELIGHT INN			COLUMBIA	40.97333	-76.52861					COMMERCIAL
250322	TIKI LOUNGE			COLUMBIA	40.97389	-76.52028					COMMERCIAL
250323	HI HO RESTAURANT			COLUMBIA	40.98000	-76.48972					COMMERCIAL
250324	NUMIDIA RACEWAY			COLUMBIA	40.89028	-76.40222					COMMERCIAL
250325	SLABTOWN MINI-MARKET & RESTAU.			COLUMBIA	40.90528	-76.41222					COMMERCIAL
250329	LIBERTY MART			LUZERNE	40.98167	-76.02750					COMMERCIAL
250330	COMET FOOD MART			LUZERNE	40.97833	-76.01305					COMMERCIAL
250332	KELLERS MOTEL			MONTOUR	40.97055	-76.53611					COMMERCIAL
250333	D.A.D.E. RESTAURANT			MONTOUR	40.97500	-76.55000					COMMERCIAL
250336	HUNTER'S DAIRY FREEZE			MONTOUR	40.95972	-76.57694					COMMERCIAL
250337	FIRST BAPTIST CH OF DANVILLE			MONTOUR	40.99778	-76.61611					INSTITUTIONAL
250338	MAGIC RIVER SKATELAND INC			MONTOUR	40.96472	-76.55805					COMMERCIAL
250339	PENN MOTEL			MONTOUR	40.96528	-76.55444					COMMERCIAL
250340	DANVILLE 7TH DAY ADVENTIST			MONTOUR	40.96889	-76.56694					INSTITUTIONAL
250403	DADO'S CAFE			SCHUYLKILL	40.89778	-76.11639					COMMERCIAL

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Table 2.3-33 {Groundwater Wells Located within a 25 Mile (40-km) Radius of BBNPP (Listed in Pennsylvania Groundwater Information System)}

PA WELL ID	OWNER	DATE DRILLED	DRILLING METHOD	COUNTY	LATITUDE	LONGITUDE	WELL DEPTH (ft bgs)	WELL FINISH	WELL YIELD (gpm)	STATIC WATER LEVEL (ft bgs)	WATER USE
250406	WOLKY'S MINI MARKET			SCHUYLKILL	40.91555	-76.11861					COMMERCIAL
250412	TUSCARORA STATE PARK			SCHUYLKILL	40.80611	-76.02222					PUBLIC SUPPLY
250416	YABLONSKY MARKET			SCHUYLKILL	40.86528	-76.16694					COMMERCIAL
250423	TWIN'S INN			SCHUYLKILL	40.78250	-76.22333					COMMERCIAL
250832	BRYANTS MOBILE HOME PARK			LUZERNE	41.31917	-76.01972	145	GRAVEL PAC	26	48	PUBLIC SUPPLY
250833	BONHAM NURSING CENTER			LUZERNE	41.19830	-76.26530	100	GRAVEL PAC	7		INSTITUTIONAL
250834	BONHAM NURSING CENTER			LUZERNE	41.19830	-76.26530	175	GRAVEL PAC	10		INSTITUTIONAL
250835	PENN ST WILKES BARRE CAMPUS			LUZERNE	41.30583	-76.01639	260		35		PUBLIC SUPPLY
250836	PENN ST WILKES BARRE CAMPUS			LUZERNE	41.30722	-76.01417	350	GRAVEL PAC	38		PUBLIC SUPPLY
250837	LAKESIDE NURSING HOME			LUZERNE	41.34556	-76.02556	190		10		INSTITUTIONAL
250838	SHICKSHINNY LAKE ASSOC			LUZERNE	41.20940	-76.19720	500	GRAVEL PAC	5	55	PUBLIC SUPPLY
250839	SHICKSHINNY LAKE ASSOC			LUZERNE	41.21280	-76.19640	277	GRAVEL PAC	10	63	PUBLIC SUPPLY
250840	COUNTRY CREST MOBILE HOME PARK			LUZERNE	41.26944	-76.07917	240	GRAVEL PAC	8		PUBLIC SUPPLY
250841	COUNTRY CREST MOBILE HOME PARK			LUZERNE	41.27083	-76.07500	320	GRAVEL PAC	12		PUBLIC SUPPLY
250842	BLUE JAY MOBILE HOME VILLAGE			LUZERNE	41.37694	-76.04611	200		8		PUBLIC SUPPLY
250843	PLEASANT VIEW M H P			LUZERNE	41.08670	-76.18810	300		13		PUBLIC SUPPLY
250844	PLEASANT VIEW M H P			LUZERNE	41.08670	-76.18810	300		60		PUBLIC SUPPLY
250845	PLEASANT VIEW M H P			LUZERNE	41.08670	-76.18500	380	OPEN HOLE	19	300	PUBLIC SUPPLY
250846	SHICKSHINNY LAKE APACHE WELL			LUZERNE	41.21310	-76.18810	302	GRAVEL PAC	19	18	PUBLIC SUPPLY
250847	COUNTRY ESTATES M H COURT			LUZERNE	41.11110	-76.15420	235	OPEN HOLE	20	54	PUBLIC SUPPLY
250848	EVERGREEN MOBILE HOME PARK			LUZERNE	41.32306	-76.13000	420		3	90	PUBLIC SUPPLY

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Table 2.3-33 {Groundwater Wells Located within a 25 Mile (40-km) Radius of BBNPP (Listed in Pennsylvania Groundwater Information System)}

PA WELL ID	OWNER	DATE DRILLED	DRILLING METHOD	COUNTY	LATITUDE	LONGITUDE	WELL DEPTH (ft bgs)	WELL FINISH	WELL YIELD (gpm)	STATIC WATER LEVEL (ft bgs)	WATER USE
250849	EVERGREEN MOBILE HOME PARK			LUZERNE	41.32083	-76.12806	250		15	40	PUBLIC SUPPLY
250850	SWEET VALLEY MHP			LUZERNE	41.29944	-76.11889	247		12	112	PUBLIC SUPPLY
250851	SWEET VALLEY MHP			LUZERNE	41.29944	-76.11889	280		12	123	PUBLIC SUPPLY
250852	WHIPPORWILL MOBILE HOME PARK			LUZERNE	41.12970	-76.22750	100	GRAVEL PAC	15	90	PUBLIC SUPPLY
250853	SLEEPY HOLLOW MOBILE HOME PARK			LUZERNE	41.13060	-76.22640	125	OPEN HOLE	25		PUBLIC SUPPLY
250854	CITIZENS WATER CO.			LUZERNE	41.07970	-76.11860	375		50	40	PUBLIC SUPPLY
250855	CHASE CORRECTIONAL INST DALLAS			LUZERNE	41.27833	-76.01528	500	GRAVEL PAC	300	24	INSTITUTIONAL
250856	CHASE CORRECTIONAL INST DALLAS			LUZERNE	41.27750	-76.01167	435	GRAVEL PAC	260	46	INSTITUTIONAL
250857	CHASE CORRECTIONAL INST DALLAS			LUZERNE	41.27278	-76.01139	360	GRAVEL PAC	80	58	INSTITUTIONAL
250858	OAKHILL WATER SUPPLY-NUI			LUZERNE	41.34222	-76.01528	400		60	175	PUBLIC SUPPLY
250859	OAKHILL WATER SUPPLY-NUI			LUZERNE	41.34167	-76.01361	229		17	60	PUBLIC SUPPLY
250860	OAKHILL WATER SUPPLY-NUI			LUZERNE	41.34056	-76.01111	400		100	90	PUBLIC SUPPLY
250861	UNITED WATER PA HARVEY'S LAKE			LUZERNE	41.35222	-76.02472	212		20		PUBLIC SUPPLY
250862	MAPLE HILL MANOR			LUZERNE	41.26610	-76.07500	197		7		PUBLIC SUPPLY
250863	HICKORY LANE MANOR			LUZERNE	41.28580	-76.14000	280	OPEN HOLE	7	40	PUBLIC SUPPLY
250864	LAUREL PERSONAL CARE CENTER			LUZERNE	41.17222	-76.16583	43		25		PUBLIC SUPPLY
250865	FERNWOOD MANOR			LUZERNE	41.29667	-76.12083	184		3		PUBLIC SUPPLY
250866	FRITZINGERTOWN SR LIV COMM #2			LUZERNE	41.00670	-76.00030	400	OPEN HOLE	10	90	PUBLIC SUPPLY
250867	VALLEY BOWLING LANES			LUZERNE	41.00060	-76.09190	92				COMMERCIAL
250868	DONAHUE'S FROGTOWNE GRILL			LUZERNE	41.00140	-76.09420	80		1		COMMERCIAL
250869	SUGARLOAF FIRE CO			LUZERNE	41.00170	-76.09250	80				COMMERCIAL

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Table 2.3-33 {Groundwater Wells Located within a 25 Mile (40-km) Radius of BBNPP (Listed in Pennsylvania Groundwater Information System)}

PA WELL ID	OWNER	DATE DRILLED	DRILLING METHOD	COUNTY	LATITUDE	LONGITUDE	WELL DEPTH (ft bgs)	WELL FINISH	WELL YIELD (gpm)	STATIC WATER LEVEL (ft bgs)	WATER USE
250870	DORRANCE INN			LUZERNE	41.10440	-76.00890	120				COMMERCIAL
250871	LILY LAKE HOTEL			LUZERNE	41.13670	-76.08310	180			155	COMMERCIAL
250872	JILLY'S			LUZERNE	41.30861	-76.20833	275	OPEN HOLE	22	11	COMMERCIAL
250873	TRAILS END RESTAURANT			LUZERNE	41.30472	-76.24000	550				COMMERCIAL
250874	RICKETTS GLEN HOTEL			LUZERNE	41.29194	-76.29278	178				COMMERCIAL
250875	RICKETTS GLEN STATE PARK			LUZERNE	41.33972	-76.28222	257				PUBLIC SUPPLY
250876	RICKETTS GLEN STATE PARK			LUZERNE	41.34083	-76.28083	257				PUBLIC SUPPLY
250877	DEER OAK LOUNGE			LUZERNE	41.19420	-76.30580	150				COMMERCIAL
250878	GOOD'S CAMPGROUND			LUZERNE	41.29528	-76.28806	140				COMMERCIAL
250879	HANSON'S LAKESHORE CAMPGROUND			LUZERNE	41.37556	-76.04417	360				COMMERCIAL
250880	LAKE LEHMAN HIGH SCHOOL			LUZERNE	41.30972	-76.02389	210				INSTITUTIONAL
250881	LEHMAN JACKSON ELEMENTARY			LUZERNE	41.31778	-76.02306	310				INSTITUTIONAL
250882	LAKE LEHMAN JR. HIGH SCHOOL			LUZERNE	41.31778	-76.02306	200				INSTITUTIONAL
250883	SWEET VALLEY GOLF COURSE			LUZERNE	41.29583	-76.12111	187				COMMERCIAL
250884	ROSS ELEMENTARY SCHOOL			LUZERNE	41.26917	-76.15139	250				INSTITUTIONAL
250885	LAKE-NOXEN ELEMENTARY SCHOOL			LUZERNE	41.36111	-76.06389	260				INSTITUTIONAL
250886	HUNLOCK CREEK TAVERN INC.			LUZERNE	41.22472	-76.12444	185				COMMERCIAL
250887	O'HAWLEY'S BAR & GRILL			LUZERNE	41.22639	-76.10500	153		10	120	COMMERCIAL
250888	JIM-MIL			LUZERNE	41.22830	-76.15140	140		7		COMMERCIAL
250889	VILLAGE TAVERN			LUZERNE	41.22694	-76.14000	185		8		COMMERCIAL
250890	COUNTRY GENTLEMAN			LUZERNE	41.21583	-76.10056	75			25	COMMERCIAL
250891	HUNLOCK CREEK VOL FIRE CO			LUZERNE	41.21056	-76.08861	96				FIRE

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Table 2.3-33 {Groundwater Wells Located within a 25 Mile (40-km) Radius of BBNPP (Listed in Pennsylvania Groundwater Information System)}

PA WELL ID	OWNER	DATE DRILLED	DRILLING METHOD	COUNTY	LATITUDE	LONGITUDE	WELL DEPTH (ft bgs)	WELL FINISH	WELL YIELD (gpm)	STATIC WATER LEVEL (ft bgs)	WATER USE
250892	PINE CONE DRIVE-IN			LUZERNE	41.16690	-76.15970	310				COMMERCIAL
250893	NINO,S PIZZA PAPPY,S PLACE			LUZERNE	41.16780	-76.16110	175		17	88	COMMERCIAL
250894	AMERICAN LEGION POST 495			LUZERNE	41.17944	-76.19389	150			100	COMMERCIAL
250895	NORTHWEST SENIOR HIGH SCHOOL			LUZERNE	41.18194	-76.19000	200				INSTITUTIONAL
250896	HUNTINGTON MILLS ELEM. SCHOOL			LUZERNE	41.19250	-76.23280	246		42		INSTITUTIONAL
250897	RED BARN CAFE			LUZERNE	41.10830	-76.13890	265			20	COMMERCIAL
250898	PRIME TIME RESTAURANT			LUZERNE	41.10670	-76.13670	98			98	COMMERCIAL
250899	BIG B DRIVE IN			LUZERNE	41.06560	-76.19720	100				COMMERCIAL
250900	GLEN LEE BAR GRILL			LUZERNE	41.15390	-76.08420	100	OPEN END			COMMERCIAL
250901	JEAN'S RUN GOLF COURSE			LUZERNE	41.22890	-76.16060	350				COMMERCIAL
250902	SPORTSMAN'S BAR			LUZERNE	41.37556	-76.04750	375				COMMERCIAL
250903	MARINA CAFE			LUZERNE	41.37360	-76.04670	200				COMMERCIAL
250904	RICH & CHARLOTTE'S			LUZERNE	41.36167	-76.05861	250				COMMERCIAL
250905	BILL'S CAFE			LUZERNE	41.34972	-76.03389	80				COMMERCIAL
250906	CASTLE INN, INC.			LUZERNE	41.34361	-75.99944	120				COMMERCIAL
250907	HOLIDAY HOUSE-JEWISH COMM.CTR.			LUZERNE	41.33972	-76.02028	502				INSTITUTIONAL
250908	LEHMAN GOLF CLUB			LUZERNE	41.32500	-76.00694	135				COMMERCIAL
250909	OUTPOST INN			LUZERNE	41.26972	-76.08333	180				COMMERCIAL
250910	DRUMS ELEMENTARY SCHOOL			LUZERNE	41.01330	-76.00140	168				INSTITUTIONAL
250911	DRUMS ELEMENTARY SCHOOL			LUZERNE	41.01330	-76.00140	300				INSTITUTIONAL
250912	CLEARBROOK LODGE			LUZERNE	41.25220	-76.23420	725				COMMERCIAL
250913	CLEARBROOK LODGE			LUZERNE	41.25220	-76.23420	725				COMMERCIAL
250914	MOYERS GROVE CAMPGROUND			LUZERNE	41.05940	-76.06390	150		15		PUBLIC SUPPLY
250915	THE CAMP			LUZERNE	41.06140	-76.07000	195		30		PUBLIC SUPPLY

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Table 2.3-33 {Groundwater Wells Located within a 25 Mile (40-km) Radius of BBNPP (Listed in Pennsylvania Groundwater Information System)}

PA WELL ID	OWNER	DATE DRILLED	DRILLING METHOD	COUNTY	LATITUDE	LONGITUDE	WELL DEPTH (ft bgs)	WELL FINISH	WELL YIELD (gpm)	STATIC WATER LEVEL (ft bgs)	WATER USE
250916	THE CAMP			LUZERNE	41.06170	-76.06890	295			100	PUBLIC SUPPLY
250917	THE LOOKOUT HOUSE			LUZERNE	41.03080	-76.10000	120		3	77	COMMERCIAL
250918	THE LOOKOUT HOUSE			LUZERNE	41.03080	-76.10000	280		6	77	COMMERCIAL
250919	NORTH LAKE WATER TRUST			LUZERNE	41.29111	-76.14583	220				PUBLIC SUPPLY
250920	OUT OF TOWN INN			LUZERNE	41.17917	-76.19778	100				COMMERCIAL
250921	HESS'S COUNTRY CONE			LUZERNE	41.09500	-76.11440	100				COMMERCIAL
250922	JEWISH COMMUNITY CENTER			LUZERNE	41.33972	-76.02028	510				INSTITUTIONAL
250923	JEWISH COMMUNITY CENTER			LUZERNE	41.34167	-76.01861	590				INSTITUTIONAL
250924	RED ROCK CAMPGROUND			LUZERNE	41.29080	-76.30280	300				PUBLIC SUPPLY
250925	RED ROOSTER			LUZERNE	41.30556	-76.09361	220				COMMERCIAL
250926	PMC LIFESTYLE			LUZERNE	41.07170	-76.15670	325		50		COMMERCIAL
250927	MILLER'S BAR			LUZERNE	41.02830	-76.00500	92			60	COMMERCIAL
250928	SORBER'S STOP & GO			LUZERNE	41.22750	-76.14810	192				COMMERCIAL
250929	HARVEYS LAKE PFC ACCESS AREA			LUZERNE	41.36417	-76.05889	150		50		COMMERCIAL
250930	SOUTHDALE CAMP			LUZERNE	41.14530	-76.25640	300				COMMERCIAL
250931	SLOCUM DELI			LUZERNE	41.14440	-76.02280	225				COMMERCIAL
250932	KARCHNER REF. SERVICE INC.			LUZERNE	41.02750	-76.10390	210		22		COMMERCIAL
250933	LOOKOUT MOTOR LODGE			LUZERNE	41.03080	-76.10080	300				COMMERCIAL
250934	LOOKOUT MOTOR LODGE			LUZERNE	41.03110	-76.10000	280		10		COMMERCIAL
250935	EVERGREEN RACEWAY			LUZERNE	41.02500	-76.00250	145		1		COMMERCIAL
250936	RED ROCK GENERAL STORE			LUZERNE	41.28917	-76.30167	145				COMMERCIAL
250937	BUTCH'S ONE STOP			LUZERNE	41.06810	-76.16220	140	OPEN HOLE			COMMERCIAL
250938	DAY'S INN			LUZERNE	41.02220	-76.08060	400	OPEN HOLE	90	42	COMMERCIAL
250939	DAY'S INN			LUZERNE	41.02220	-76.08060	500	OPEN HOLE	90	40	COMMERCIAL
250940	SUSQ STEAM ELECTRIC STAT EOF			LUZERNE	41.08720	-76.15440	55		30		COMMERCIAL

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Table 2.3-33 {Groundwater Wells Located within a 25 Mile (40-km) Radius of BBNPP (Listed in Pennsylvania Groundwater Information System)}

PA WELL ID	OWNER	DATE DRILLED	DRILLING METHOD	COUNTY	LATITUDE	LONGITUDE	WELL DEPTH (ft bgs)	WELL FINISH	WELL YIELD (gpm)	STATIC WATER LEVEL (ft bgs)	WATER USE
250941	CEASE TERRACE WATER ASSOC			LUZERNE	41.27639	-76.07917	200				COMMERCIAL
250942	COUNCIL CUP CAMPGROUND			LUZERNE	41.09970	-76.10500	480		10		PUBLIC SUPPLY
250943	PILOT TRAVEL CENTER #298			LUZERNE	41.02780	-76.07860	360	OPEN HOLE	100	20	COMMERCIAL
250944	JONE'S PANCAKE HOUSE			LUZERNE	41.35333	-76.03278	125				COMMERCIAL
250945	COOKS VARIETY STORE			LUZERNE	41.31611	-76.02306	225		3		COMMERCIAL
250946	ANDY'S MINI MART			LUZERNE	41.09810	-76.00360	315	OPEN HOLE	2	270	COMMERCIAL
250947	MUHLENBURG GENERAL STORE			LUZERNE	41.22830	-76.15860	110				COMMERCIAL
250948	DI'S DELI			LUZERNE	41.00250	-76.07610	140	OPEN HOLE	25	8	COMMERCIAL
250949	HUNTSVILLE GOLF CLUB			LUZERNE	41.31194	-76.01000	500		30	79	COMMERCIAL
250950	SUGARLOAF TWP MUNIC BUILDING			LUZERNE	41.00860	-76.08060	180	OPEN HOLE	35	20	INSTITUTIONAL
250951	SONRAE MARKET			LUZERNE	41.19030	-76.23390			28		COMMERCIAL
250952	GOOD TIME GOLF			LUZERNE	41.04780	-76.15030	340	OPEN HOLE	8	220	COMMERCIAL
250953	PUMP & PANTRY			LUZERNE	41.30528	-76.09722	400	OPEN HOLE		60	COMMERCIAL
250954	PIKES CREEK PARK			LUZERNE	41.30722	-76.08167	117	OPEN HOLE		12	COMMERCIAL
250955	SANDY BEACH INN			LUZERNE	41.33333	-76.03333	225	OPEN HOLE			COMMERCIAL
250956	PP&L SUSQUEHANNA S&A WELLS			LUZERNE	41.09170	-76.14860	75		50		COMMERCIAL
250957	PP&L SUSQUEHANNA S&A WELLS			LUZERNE	41.09170	-76.14860	75		50		COMMERCIAL
250958	RIVERLANDS RECREATION CENTER			LUZERNE	41.09940	-76.13580	105		30		COMMERCIAL
250959	ENERGY INFORMATION CENTER			LUZERNE	41.10190	-76.12080	100	OPEN END	15		COMMERCIAL
250960	RED ROCK JOB CORPS CENTER			SULLIVAN	41.35889	-76.29306	480		33		INSTITUTIONAL
250961	RED ROCK JOB CORPS CENTER			SULLIVAN	41.35917	-76.29306	480		33		INSTITUTIONAL
250962	RED ROCK JOB CORPS CENTER			SULLIVAN	41.35889	-76.29389	480		33		INSTITUTIONAL

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Table 2.3-33 {Groundwater Wells Located within a 25 Mile (40-km) Radius of BBNPP (Listed in Pennsylvania Groundwater Information System)}

PA WELL ID	OWNER	DATE DRILLED	DRILLING METHOD	COUNTY	LATITUDE	LONGITUDE	WELL DEPTH (ft bgs)	WELL FINISH	WELL YIELD (gpm)	STATIC WATER LEVEL (ft bgs)	WATER USE
250974	UNITED WATER PA NOXEN			WYOMING	41.41690	-76.06220	237		30	27	PUBLIC SUPPLY
250975	MONROE NOXEN MEDICAL CENTER			WYOMING	41.42639	-76.02500	200		50		COMMERCIAL
250976	MEL'S DINER			WYOMING	41.41833	-76.06806	167				COMMERCIAL
250980	ORANGEVILLE MUNICIPAL WATER AU			COLUMBIA	41.07670	-76.41060			28		PUBLIC SUPPLY
250981	MIFFLIN TWP MA			COLUMBIA	41.03720	-76.29720			299		PUBLIC SUPPLY
250982	BROOKSIDE VILLAGE			COLUMBIA	41.04920	-76.35970			11		PUBLIC SUPPLY
250983	BROOKSIDE VILLAGE			COLUMBIA	41.04920	-76.35970			50		PUBLIC SUPPLY
250984	BROOKSIDE VILLAGE			COLUMBIA	41.04920	-76.35860			10		PUBLIC SUPPLY
250985	STONY BROOK COURT			COLUMBIA	41.04530	-76.42310			25		PUBLIC SUPPLY
250986	STONY BROOK COURT			COLUMBIA	41.04530	-76.42310			33		PUBLIC SUPPLY
250987	MOUNTAIN VIEW ETATES			COLUMBIA	41.02390	-76.23920			15		PUBLIC SUPPLY
250988	GETHSEMANE R.C. & R.C.			COLUMBIA	41.03780	-76.41330			38		INSTITUTIONAL
250989	ORANGEVILLE N & R CENTER			COLUMBIA	41.07500	-76.41670			26		INSTITUTIONAL
250990	HELLER'S MOBILE HOME PARK			COLUMBIA	41.07250	-76.30190	400	OPEN END	11		PUBLIC SUPPLY
250991	HELLER'S MOBILE HOME PARK			COLUMBIA	41.07110	-76.30000	150	OPEN END	10		PUBLIC SUPPLY
250992	MATRIX DEVELOPMENT INC.			COLUMBIA	41.03920	-76.28560			15		PUBLIC SUPPLY
250993	PLEASANT VIEW ESTATES			COLUMBIA	41.03000	-76.33330			24		PUBLIC SUPPLY
250994	PLEASANT VIEW ESTATES			COLUMBIA	41.03000	-76.33110			11		PUBLIC SUPPLY
250995	PLEASANT VIEW ESTATES			COLUMBIA	41.03030	-76.33110			8		PUBLIC SUPPLY
250996	BRIAR CREEK RESTAURANT			COLUMBIA	41.04190	-76.30310			15		COMMERCIAL
250997	PERKINS FAMILY RESTAURANT			COLUMBIA	41.01610	-76.48530			12		COMMERCIAL
250998	SHORT STOP MART			COLUMBIA	41.04000	-76.42330	165	OPEN END			COMMERCIAL
250999	DIEHL'S FARM MARKET			COLUMBIA	41.05830	-76.58420	385	OPEN HOLE			COMMERCIAL
251000	MELONIE'S KOLD KUP			COLUMBIA	41.10080	-76.37390	61	OPEN END			COMMERCIAL
251001	WISE FOODS INC.			COLUMBIA	41.04940	-76.25000	160	OPEN HOLE	600		COMMERCIAL

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PA WELL ID	OWNER	DATE DRILLED	DRILLING METHOD	COUNTY	LATITUDE	LONGITUDE	WELL DEPTH (ft bgs)	WELL FINISH	WELL YIELD (gpm)	STATIC WATER LEVEL (ft bgs)	WATER USE
251002	DAIRY QUEEN			COLUMBIA	41.01500	-76.40280			25		COMMERCIAL
251003	BURGER KING 8697			COLUMBIA	41.01720	-76.48810			100		COMMERCIAL
251004	WENDY'S			COLUMBIA	41.00940	-76.42220			40		COMMERCIAL
251005	BLOOMSBURG STATE POLICE			COLUMBIA	41.03750	-76.36030			12		PUBLIC SUPPLY
251050	SHADY OAKS MOBILE HOME PARK			MONTOUR	41.04250	-76.62360			22		PUBLIC SUPPLY
251065	CENTRAL PARK HOTEL			COLUMBIA	41.29167	-76.37500					COMMERCIAL
251066	ELK GROVE INN			COLUMBIA	41.30583	-76.40222					COMMERCIAL
251067	WISPERING PINES CAMPING ESTATE			COLUMBIA	41.15000	-76.30000					COMMERCIAL
251068	HICKORY JOE'S			COLUMBIA	41.10833	-76.36667					COMMERCIAL
251069	SAVAGE HOLLOW TAVERN			COLUMBIA	41.09167	-76.40833					COMMERCIAL
251070	NOR-POLE RESTAURANT			COLUMBIA	41.09167	-76.40833					COMMERCIAL
251071	MORTGAGED INN			COLUMBIA	41.20833	-76.37500					COMMERCIAL
251072	THE INN UNDER			COLUMBIA	41.20833	-76.38333					COMMERCIAL
251073	HERITAGE HOUSE RESTAURANT			COLUMBIA	41.07500	-76.35000					COMMERCIAL
251074	UNCLE NICK'S BRIAR VALLEY RES.			COLUMBIA	41.05972	-76.29944					COMMERCIAL
251075	DENNY'S			COLUMBIA	41.03333	-76.42500					COMMERCIAL
251076	QUALITY INN AT BUCKHORN			COLUMBIA	41.00833	-76.49167					COMMERCIAL
251077	NUTAITIS INN			COLUMBIA	41.05833	-76.29444					COMMERCIAL
251078	COBBLESTONE INN			COLUMBIA	41.03333	-76.33333					COMMERCIAL
251079	BURGER KING			COLUMBIA	41.00833	-76.43333					COMMERCIAL
251080	ROMEO'S DRIVE IN			COLUMBIA	41.01667	-76.40833					COMMERCIAL
251081	TENNY TOWN MOTEL			COLUMBIA	41.01667	-76.39167					COMMERCIAL
251082	FRANS DAIRY BAR			COLUMBIA	41.12500	-76.54167					COMMERCIAL
251083	HOTEL IOLA			COLUMBIA	41.13333	-76.53333					COMMERCIAL
251084	BASSETT'S			COLUMBIA	41.06667	-76.50000					COMMERCIAL
251085	PARADISE ISLE			COLUMBIA	41.05833	-76.49167					COMMERCIAL
251086	LIGHTSTREET HOTEL			COLUMBIA	41.03333	-76.42389					COMMERCIAL

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PA WELL ID	OWNER	DATE DRILLED	DRILLING METHOD	COUNTY	LATITUDE	LONGITUDE	WELL DEPTH (ft bgs)	WELL FINISH	WELL YIELD (gpm)	STATIC WATER LEVEL (ft bgs)	WATER USE
251087	HEINZ PET PRODUCTS			COLUMBIA	41.02500	-76.34167					COMMERCIAL
251088	WILLOW RUN INN			COLUMBIA	41.05000	-76.29167					COMMERCIAL
251089	JERSEYTOWN TAVERN			COLUMBIA	41.09167	-76.58333					COMMERCIAL
251090	TURNERS HIGH VIEW CAMPING AREA			COLUMBIA	41.02778	-76.47083					COMMERCIAL
251091	TURNERS HIGH VIEW CAMPING AREA			COLUMBIA	41.02778	-76.47083					COMMERCIAL
251092	CAMP LAVIGNE			COLUMBIA	41.24167	-76.37639					PUBLIC SUPPLY
251093	CAMP LAVIGNE			COLUMBIA	41.24167	-76.37639					PUBLIC SUPPLY
251094	CAMP LAVIGNE			COLUMBIA	41.24167	-76.37639					PUBLIC SUPPLY
251095	GRASSMERE PARK CAMPGROUND			COLUMBIA	41.27722	-76.37500					COMMERCIAL
251096	GRASSMERE PARK CAMPGROUND			COLUMBIA	41.27722	-76.37500					COMMERCIAL
251097	ROUNDY'S PLACE			COLUMBIA	41.14167	-76.53333					COMMERCIAL
251098	FORT RICKETTS POST 8317			COLUMBIA	41.21583	-76.37167					COMMERCIAL
251099	PENNDOT-SITE 37 MODERN REST AR			COLUMBIA	41.00833	-76.25139					COMMERCIAL
251100	PENNDOT-SITE 38 MODERN REST AR			COLUMBIA	41.00917	-76.24861					COMMERCIAL
251101	NANA'S DINER			COLUMBIA	41.10139	-76.37972					COMMERCIAL
251102	EASTERN PA CHRISTIAN SERVICE			COLUMBIA	41.12917	-76.35972					INSTITUTIONAL
251103	CAMP LOUISE			COLUMBIA	41.11778	-76.27028					COMMERCIAL
251105	BERWICK GOLF CLUB			COLUMBIA	41.06778	-76.26194					COMMERCIAL
251106	BER-VAUGHN PARK			COLUMBIA	41.04805	-76.27889					COMMERCIAL
251107	CHINA QUEEN			COLUMBIA	41.01055	-76.41667					COMMERCIAL
251108	TERRAPIN'S CANTINA			COLUMBIA	41.01944	-76.38472					COMMERCIAL
251109	RIDGWAY'S			COLUMBIA	41.02361	-76.42278					COMMERCIAL
251110	MILL RACE GOLF & CAMP. RESORT			COLUMBIA	41.21444	-76.37528					COMMERCIAL

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PA WELL ID	OWNER	DATE DRILLED	DRILLING METHOD	COUNTY	LATITUDE	LONGITUDE	WELL DEPTH (ft bgs)	WELL FINISH	WELL YIELD (gpm)	STATIC WATER LEVEL (ft bgs)	WATER USE
251111	MILL RACE GOLF & CAMP. RESORT			COLUMBIA	41.21750	-76.37500					COMMERCIAL
251112	MILL RACE GOLF & CAMP. RESORT			COLUMBIA	41.21833	-76.37528					COMMERCIAL
251113	TWIN BRIDGES PARK			COLUMBIA	41.10694	-76.35639					COMMERCIAL
251114	INN AT TURKEY HILL			COLUMBIA	41.02500	-76.42667					COMMERCIAL
251115	INN AT TURKEY HILL			COLUMBIA	41.02500	-76.42667					COMMERCIAL
251116	FORT MCCLURE VFW POST 804			COLUMBIA	41.02806	-76.48111					COMMERCIAL
251117	BERWICK AREA POOL			COLUMBIA	41.05000	-76.27861					COMMERCIAL
251118	WESTERN SIZZLIN STEAK HOUSE			COLUMBIA	41.01639	-76.48972					COMMERCIAL
251119	BONANZA FAMILY RESTAURANT			COLUMBIA	41.04694	-76.27278					COMMERCIAL
251120	WOLFEY'S PIZZA DEN			COLUMBIA	41.02305	-76.37278					COMMERCIAL
251121	PINE GROVE RESTAURANT & LOUNGE			COLUMBIA	41.16139	-76.53806					COMMERCIAL
251122	COASTAL MART 7419			COLUMBIA	41.02555	-76.42806					COMMERCIAL
251123	ARNOLD'S GOLF COURSE			COLUMBIA	41.02305	-76.32028					COMMERCIAL
251124	WENDY'S OLD FASH HAMBURGERS			COLUMBIA	41.01611	-76.48944					COMMERCIAL
251125	BRASS PELICAN			COLUMBIA	41.30583	-76.40222					COMMERCIAL
251126	ECONO LODGE OF BLOOMSBURG			COLUMBIA	41.01611	-76.48611					COMMERCIAL
251127	GUMP'S COUNTRY STORE			COLUMBIA	41.08972	-76.57778					COMMERCIAL
251128	HESS MARKET			COLUMBIA	41.08722	-76.40639					COMMERCIAL
251129	LONG JOHN SILVER'S 3655			COLUMBIA	41.00583	-76.43361					COMMERCIAL
251130	KENTUCKY FRIED CHICKEN			COLUMBIA	41.01639	-76.48722					COMMERCIAL
251131	ARTHUR BARDO POST 564			COLUMBIA	41.12694	-76.54028					COMMERCIAL
251132	MAUSTELLER'S MARKET			COLUMBIA	41.05417	-76.27500					COMMERCIAL
251133	CAMP VICTORY			COLUMBIA	41.11944	-76.49194					COMMERCIAL
251134	CAMP VICTORY			COLUMBIA	41.11944	-76.49194					COMMERCIAL

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Table 2.3-33 {Groundwater Wells Located within a 25 Mile (40-km) Radius of BBNPP (Listed in Pennsylvania Groundwater Information System)}

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251135	BENTON FOUNDRY, INC.			COLUMBIA	41.26139	-76.34722					COMMERCIAL
251136	TRAVELPORT-SUBWAY			COLUMBIA	41.01528	-76.49222					COMMERCIAL
251137	WELLER'S			COLUMBIA	41.14833	-76.31667					COMMERCIAL
251138	BLOOMSBURG CHRISTIAN SCHOOL			COLUMBIA	41.03722	-76.40167					INSTITUTIONAL
251139	CCRA REALESTATE MGT.-1 INC.			COLUMBIA	41.02722	-76.40361					COMMERCIAL
251140	DIEHL'S COUNTRY GIFTS			COLUMBIA	41.05806	-76.58555					COMMERCIAL
251141	ORLOSKI QUIK MART 231			COLUMBIA	41.01528	-76.49222					COMMERCIAL
251142	UNITED WATER PA HARVEY'S LAKE			LUZERNE	41.35222	-76.02472					PUBLIC SUPPLY
251143	RICKETTS GLEN STATE PARK			LUZERNE	41.33611	-76.29194					PUBLIC SUPPLY
251144	RICKETTS GLEN STATE PARK			LUZERNE	41.33611	-76.29194					PUBLIC SUPPLY
251145	RICKETTS GLEN STATE PARK			LUZERNE	41.33611	-76.29194					PUBLIC SUPPLY
251146	TEXACO FOOD MART			LUZERNE	41.04028	-76.08028					COMMERCIAL
251147	COOPER'S HIDDEN LAKE CAMPSITE			LUZERNE	41.21611	-76.19861					COMMERCIAL
251148	CALVARY BIBLE CHAPEL			LUZERNE	41.25028	-76.15778					INSTITUTIONAL
251149	H&W OIL CO DBA MOTOR-VU DRIVE			LUZERNE	41.04417	-76.13944					COMMERCIAL
251150	RED ROCK MINI MART			LUZERNE	41.28972	-76.30111		OPEN HOLE			COMMERCIAL
251151	SMITHS MKT			LUZERNE	41.24444	-76.23333		OPEN HOLE			COMMERCIAL
251152	COMMUNIT BIBLE CHURCH			LUZERNE	41.30000	-76.03333					INSTITUTIONAL
251153	TWIST N' SHAKE			LUZERNE	41.30000	-76.01667		OPEN HOLE			COMMERCIAL
251160	ROBBIN'S COUNTRY CORNER			LYCOMING	41.25000	-76.52417					COMMERCIAL
251185	MCCARTY'S FINISH LINE			LYCOMING	41.23944	-76.51889					COMMERCIAL
251188	HEMLOCK VALLEY CAMPGROUND			LYCOMING	41.24167	-76.56750					COMMERCIAL

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Table 2.3-33 {Groundwater Wells Located within a 25 Mile (40-km) Radius of BBNPP (Listed in Pennsylvania Groundwater Information System)}

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251204	UNITY MARKET			LYCOMING	41.23167	-76.51583					COMMERCIAL
251205	DONNA'S PLACE			LYCOMING	41.24861	-76.52111					COMMERCIAL
251211	NORTH MONTOUR SPORTSMANS ASSOC			MONTOUR	41.09167	-76.64167					INSTITUTIONAL
257312	PP&L, Hauto SES	8/16/1995	AIR ROTARY	CARBON	40.84268	-75.89853	56	SCREEN			COMMERCIAL
257313	PP&L, Hauto SES	8/11/1995	AIR ROTARY	CARBON	40.84268	-75.89853	55	SCREEN			COMMERCIAL
257314	Hauto SES	5/5/1994	BORED OR AUGERED	CARBON	40.84263	-75.89907	55	SCREEN			INDUSTRIAL
257334	KevinO'Brien	10/30/1996	AIR ROTARY	MONROE	41.07917	-76.27083	200	OPEN HOLE	20	30	DOMESTIC
257421	Hauto SES	5/10/1994	AIR ROTARY	CARBON	40.84263	-75.89907	60.5	SCREEN			INDUSTRIAL
257457	Giordano Mat'l Waste Site	9/1/1992	AIR ROTARY	SCHUYLKILL	40.77194	-76.34000	27	SCREEN	3		INDUSTRIAL
257458	Giordano Mat'l Waste Site	9/1/1992	AIR ROTARY	SCHUYLKILL	40.77194	-76.34000	26	SCREEN	3		INDUSTRIAL
257461	Moen of Pa, Inc.	6/1/1991	AIR ROTARY	SCHUYLKILL	40.86889	-76.39139	18	SCREEN			INDUSTRIAL
257568	Fenner Manheim Plant	3/1/1988	AIR ROTARY	LANCASTER	41.15694	-76.39694	150	OPEN HOLE	0.25	140	INDUSTRIAL
257593	Travel Ports of America, Inc	12/15/1993	AIR ROTARY	COLUMBIA	41.01416	-76.49369	102	SCREEN			INDUSTRIAL
257640	Turkey Hill	5/1/1991	AIR ROTARY	SCHUYLKILL	40.82045	-76.20689	18	SCREEN	1		INDUSTRIAL
257641	Turkey Hill	5/1/1993	AIR ROTARY	SCHUYLKILL	40.82045	-76.20689	50	SCREEN	1		INDUSTRIAL
257933	PP&L, Hauto SES	8/18/1995	AIR ROTARY	CARBON	40.84268	-75.89853	60	SCREEN			COMMERCIAL
258196	Menig	5/1/2000	AIR ROTARY	LUZERNE	41.37000	-75.95472	340	OPEN HOLE	12	120	DOMESTIC
258331	Moen of Pa, Inc.	6/1/1991	AIR ROTARY	SCHUYLKILL	40.86944	-76.39250	18	SCREEN			INDUSTRIAL
258333	Turkey Hill	5/1/1993	AIR ROTARY	SCHUYLKILL	40.82045	-76.20689	18	SCREEN	1		INDUSTRIAL
258631	Travel Ports of America, Inc	12/15/1993		COLUMBIA	41.01416	-76.49369	102	SCREEN	3		INDUSTRIAL
258632	Travel Ports of America, Inc	12/15/1993	AIR ROTARY	COLUMBIA	41.01416	-76.49369	112	SCREEN			INDUSTRIAL
258633	Travel Ports of America, Inc	12/15/1993	AIR ROTARY	COLUMBIA	41.01416	-76.49369	102	SCREEN			INDUSTRIAL
258634	DPC Foods	2/23/1993		COLUMBIA	40.99042	-76.46100	30				
258635	DPC Foods	2/22/1993	AIR ROTARY	COLUMBIA	40.99007	-76.46016	30				INDUSTRIAL
258636	DPC Foods	2/18/1993	AIR ROTARY	COLUMBIA	40.99071	-76.45987	30				INDUSTRIAL
258683	JohnHaussner	10/24/1995	AIR ROTARY	PIKE	41.16500	-75.95083	700	OPEN HOLE	11	230	DOMESTIC
258684	Carney	4/1/1997	AIR ROTARY	PIKE	41.09028	-75.70222	190	OPEN HOLE	15	30	DOMESTIC
258716	EdwardDubee	5/1/1990		PIKE	41.27750	-75.93306	200	OPEN HOLE	7	30	DOMESTIC
259313	Vidal	12/18/1997	AIR ROTARY	MONROE	41.10444	-75.85611	250	OPEN HOLE	15	60	DOMESTIC
259318	Culpepper	5/2/1997	AIR ROTARY	MONROE	41.03444	-75.83806	480	OPEN HOLE	12	200	DOMESTIC

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259494	Tamburri	10/18/1997	AIR ROTARY	PIKE	41.09056	-75.70389	240	OPEN HOLE	50	119	DOMESTIC
260165	Municipal Auth.Conynghoam	1/26/1995		LUZERNE	40.98689	-76.07868	442	OPEN HOLE	200	8	PUBLIC SUPPLY
260404	Santos	10/6/1999	AIR ROTARY	PIKE	41.15861	-75.98139	340	OPEN HOLE	10	60	DOMESTIC
260651	Green Property	8/16/1994	BORED OR AUGERED	LUZERNE	41.16903	-75.87741	21.5	SCREEN			INDUSTRIAL
260652	Green Property	8/16/1994	BORED OR AUGERED	LUZERNE	41.16903	-75.87741	20	SCREEN			INDUSTRIAL
260653	Huntsville Golf Club	6/1/1992	AIR ROTARY	LUZERNE	41.30639	-76.01111	300	OPEN HOLE	25	110	PUBLIC SUPPLY
260654	Huntsville Golf Club	6/1/1992	AIR ROTARY	LUZERNE	41.31222	-76.00889	300	OPEN HOLE	30	85	PUBLIC SUPPLY
260655	Huntsville Golf Club	6/1/1992	AIR ROTARY	LUZERNE	41.30583	-76.00750	525	OPEN HOLE	1	71	IRRIGATION
260732	Huntsville Golf Club	6/1/1992	AIR ROTARY	LUZERNE	41.31250	-76.00889	300	OPEN HOLE	21	72	OTHER
260836	Dana	11/18/1998		COLUMBIA	41.05583	-76.20750	54	SCREEN			OTHER
260837	Dana	11/18/1998	OTHER/UNKNOWN	COLUMBIA	41.05583	-76.20750	48	SCREEN			OTHER
260838	Dana	11/18/1998	OTHER/UNKNOWN	COLUMBIA	41.05583	-76.20750	54	SCREEN			OTHER
260839	Dana	11/18/1998	OTHER/UNKNOWN	COLUMBIA	41.05583	-76.20750	42	SCREEN			OTHER
260840	Travel Ports Of America	11/15/1996	AIR ROTARY	COLUMBIA	41.01393	-76.49297	65	SCREEN			COMMERCIAL
260928	PP&L	5/1/1992	BORED OR AUGERED	MONTOUR	40.96806	-76.57944	27	SCREEN	0.25		INDUSTRIAL
261027	YCimmarron Homes	11/1/1999		PIKE	41.32306	-75.86694	280	OPEN HOLE	30		DOMESTIC
261096	Green Property	8/16/1994	BORED OR AUGERED	LUZERNE	41.16903	-75.87741	20	SCREEN			INDUSTRIAL
261097	Green Property	8/19/1994	BORED OR AUGERED	LUZERNE	41.16903	-75.87741	21.5	SCREEN			INDUSTRIAL
261098	Huntsville Golf Club	2/1/1992	AIR ROTARY	LUZERNE	41.31250	-76.00889	498	OPEN HOLE	90	79	PUBLIC SUPPLY
261099	Huntsville Golf Club	6/1/1992	AIR ROTARY	LUZERNE	41.31028	-76.00528	675	OPEN HOLE	5.5		IRRIGATION
261100	Huntsville Golf Club	6/1/1992	AIR ROTARY	LUZERNE	41.31139	-76.00611	600	OPEN HOLE	54	55	IRRIGATION
261101	Huntsville Golf Club	7/1/1992	AIR ROTARY	LUZERNE	41.30694	-76.00833	625	OPEN HOLE	49	43	IRRIGATION
261102	Huntsville Golf Club	6/1/1992	AIR ROTARY	LUZERNE	41.31250	-76.00944	300	OPEN HOLE	6.5	142	
261103	Huntsville Golf Club	6/1/1992	AIR ROTARY	LUZERNE	41.31250	-76.00889	300	OPEN HOLE	12	93	OTHER
261104	Dickson	8/31/1998	AIR ROTARY	LUZERNE	41.28722	-76.11917	180	OPEN HOLE	35	30	DOMESTIC
261105	Marcinkowski	1/7/1998	AIR ROTARY	LUZERNE	41.25361	-76.07694	150	OPEN HOLE	30	64	DOMESTIC
261106	Harvey's Lake Water Co.	4/1/1992		LUZERNE	41.35333	-76.02361	700	OPEN HOLE	33	155	

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Table 2.3-33 {Groundwater Wells Located within a 25 Mile (40-km) Radius of BBNPP (Listed in Pennsylvania Groundwater Information System)}

PA WELL ID	OWNER	DATE DRILLED	DRILLING METHOD	COUNTY	LATITUDE	LONGITUDE	WELL DEPTH (ft bgs)	WELL FINISH	WELL YIELD (gpm)	STATIC WATER LEVEL (ft bgs)	WATER USE
261107	Simcerbox	10/14/1998		LUZERNE	41.04167	-75.83278	420	OPEN HOLE	5	180	
261130	Woy	10/7/1999	AIR ROTARY	LUZERNE	41.03389	-75.82750	200	OPEN HOLE	20	60	DOMESTIC
261191	Air Products & Chemicals	5/16/1995	AIR ROTARY	LUZERNE	41.23053	-75.92637	35	OPEN HOLE			INDUSTRIAL
261192	Hazelton Develo Authority	11/14/1994	AIR ROTARY	LUZERNE	40.94967	-75.99046	41	SCREEN			PUBLIC SUPPLY
261193	Hazelton Develo Authority	11/15/1994	AIR ROTARY	LUZERNE	40.94967	-75.99046	22	SCREEN			PUBLIC SUPPLY
261194	Hazelton Develo Authority	11/11/1994	AIR ROTARY	LUZERNE	40.94967	-75.99046	28	SCREEN			PUBLIC SUPPLY
261195	Hazelton Develo Authority	11/10/1994	AIR ROTARY	LUZERNE	40.94967	-75.99046	39	SCREEN			PUBLIC SUPPLY
261196	Hazelton Develo Authority	11/16/1994	AIR ROTARY	LUZERNE	40.94967	-75.99046	33	OPEN HOLE			PUBLIC SUPPLY
261197	Hazelton Develo Authority	11/18/1994	AIR ROTARY	LUZERNE	40.94967	-75.99046	169	OPEN HOLE			PUBLIC SUPPLY
261198	Hazelton Develo Authority	11/18/1994	AIR ROTARY	LUZERNE	40.94967	-75.99046	70	OPEN HOLE			PUBLIC SUPPLY
261199	Hazelton Develo Authority	11/15/1994	AIR ROTARY	LUZERNE	40.94967	-75.99046	35	OPEN HOLE			PUBLIC SUPPLY
261342	Dana	11/18/1998	OTHER/UNKNOWN	COLUMBIA	41.05583	-76.20750	42	SCREEN			OTHER
261343	Travel Ports Of America	11/15/1994	AIR ROTARY	COLUMBIA	41.01393	-76.49297	65	SCREEN			COMMERCIAL
261428	Air Products & Chemicals	5/16/1995	AIR ROTARY	LUZERNE	41.23053	-75.92637	35	OPEN HOLE			INDUSTRIAL
261429	Air Products & Chemicals	5/16/1995	AIR ROTARY	LUZERNE	41.23053	-75.92637	35	OPEN HOLE			INDUSTRIAL
261430	Hazelton Develo Authority	11/16/1994	AIR ROTARY	LUZERNE	40.94967	-75.99046	20	SCREEN			PUBLIC SUPPLY
261431	Hazelton Develo Authority	11/17/1994	AIR ROTARY	LUZERNE	40.94967	-75.99046	18	SCREEN			PUBLIC SUPPLY
261432	Hazelton Develo Authority	11/17/1994	AIR ROTARY	LUZERNE	40.94967	-75.99046	15	SCREEN			PUBLIC SUPPLY
261433	PP&L	2/4/1993	AIR ROTARY	LUZERNE	40.95944	-75.97333	21	SCREEN	0.5		PUBLIC SUPPLY
261595	Cando Corporate Center	8/9/1995		LUZERNE	41.04583	-75.97306	355		300	35	INDUSTRIAL
261680	Joffe	5/6/1999	AIR ROTARY	LUZERNE	41.04139	-75.82917	200	OPEN HOLE	30	40	OTHER
261724	Cunningham	5/6/1999	AIR ROTARY	LUZERNE	41.12694	-75.91194	200	OPEN HOLE	25	10	OTHER
261858	476-5625Tay	4/15/1999	AIR ROTARY	PIKE	41.17278	-75.97306	420	OPEN HOLE	5	100	OTHER
262281	Mount Carmel Supervisers	9/1/1989		NORTHUMBERLAND	40.80861	-76.43861	417	SCREEN	30		OTHER
262282	Mount Carmel Supervisors	9/1/1989		NORTHUMBERLAND	40.80750	-76.43500	388	SCREEN	0.5		INDUSTRIAL
262283	Mount Carmel Supervisors	9/1/1989		NORTHUMBERLAND	40.80917	-76.43611	430	SCREEN	13.5		OTHER
262293	Penn Fuel & Gas	5/23/1995	BORED OR AUGERED	NORTHUMBERLAND	40.80062	-76.41824	30	PERFORATED			INDUSTRIAL
262294	Penn Fuel & Gas	5/23/1995	BORED OR AUGERED	NORTHUMBERLAND	40.80062	-76.41824	8.5	PERFORATED			INDUSTRIAL
262295	Penn Fuel & Gas	6/26/1995	BORED OR AUGERED	NORTHUMBERLAND	40.80062	-76.41824	14	PERFORATED			INDUSTRIAL

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Table 2.3-33 {Groundwater Wells Located within a 25 Mile (40-km) Radius of BBNPP (Listed in Pennsylvania Groundwater Information System)}

PA WELL ID	OWNER	DATE DRILLED	DRILLING METHOD	COUNTY	LATITUDE	LONGITUDE	WELL DEPTH (ft bgs)	WELL FINISH	WELL YIELD (gpm)	STATIC WATER LEVEL (ft bgs)	WATER USE
262296	Penn Fuel & Gas	5/23/1995	BORED OR AUGERED	NORTHUMBERLAND	40.80062	-76.41824	8.5	PERFORATED			INDUSTRIAL
262297	Penn Fuel & Gas	5/23/1995	BORED OR AUGERED	NORTHUMBERLAND	40.80062	-76.41824	8.5	PERFORATED			INDUSTRIAL
414396	MARLAKREMSER	11/2/2005	AIR ROTARY	COLUMBIA	40.90237	-76.33467	150	OPEN HOLE	20		DOMESTIC
414700	RYAN HOMES	1/12/2006	AIR ROTARY	LANCASTER	40.83667	-76.36750	300	OPEN HOLE	6		DOMESTIC
414710	LEBANON VALLEY MOBILE HOMES	1/11/2006	AIR ROTARY	SCHUYLKILL	41.00806	-76.48972	200	OPEN HOLE	15		DOMESTIC
414803	BLUE MOUNTAIN BUILDERS	1/19/2006	AIR ROTARY	SCHUYLKILL	40.77667	-75.93944	550	OPEN HOLE	200		GEOTHERMAL
414828	BARRON'S SUNOCO	1/18/2006	AIR ROTARY	LUZERNE	41.03500	-76.08722	70	SCREEN			UNUSED
414853	BARRON'S SUNOCO	1/18/2006	AIR ROTARY	LUZERNE	41.03500	-76.08722	20	SCREEN			UNUSED
414854	BARRON'S SUNOCO	1/18/2006	AIR ROTARY	LUZERNE	41.03500	-76.08722	28.6	SCREEN			UNUSED
415071	EDSTRATTON	12/6/2005	AIR ROTARY	NORTHUMBERLAND	40.90175	-76.57078	500	OPEN HOLE	2		DOMESTIC
415192	MATTFETTERMAN	11/10/2005	AIR ROTARY	COLUMBIA	40.94585	-76.44750	400	OPEN HOLE	3		DOMESTIC
415243	MICHAELDOREY	11/29/2005	AIR ROTARY	COLUMBIA	40.92827	-76.38845	300	OPEN HOLE	5		DOMESTIC
415247	EDSTRAUB	10/17/2005	AIR ROTARY	LUZERNE	41.09075	-76.03488	500	OPEN HOLE	2		DOMESTIC
415267	MARTHAROMANOSKI ESTATE	11/28/2005	AIR ROTARY	COLUMBIA	40.88027	-76.40215	300	OPEN HOLE	5		DOMESTIC
415325	NEALBAKER	11/15/2005	AIR ROTARY	TIOGA	40.89420	-76.34860	460	OPEN HOLE	2.5		DOMESTIC
415384	JAMESZUBRITSKY	11/16/2005	AIR ROTARY	LUZERNE	40.98063	-76.21388	200	OPEN HOLE	10		DOMESTIC
415472	BARRON'S SUNOCO	1/18/2006	AIR ROTARY	LUZERNE	41.03500	-76.08722	25	SCREEN			UNUSED
415473	BARRON'S SUNOCO	1/18/2006	AIR ROTARY	LUZERNE	41.03500	-76.08722	78	SCREEN			UNUSED
415474	BARRON'S SUNOCO	1/18/2006	AIR ROTARY	LUZERNE	41.03500	-76.08722	22	SCREEN			UNUSED
415476	BARRON'S SUNOCO	1/18/2006	AIR ROTARY	LUZERNE	41.03500	-76.08722	70	SCREEN			UNUSED
415509	RYAN HOMES	2/10/2006	AIR ROTARY	LANCASTER	40.82000	-76.36750	300	OPEN HOLE	2.5		DOMESTIC
415516	RYAN HOMES	2/13/2006	AIR ROTARY	LANCASTER	40.83667	-76.36750	300	OPEN HOLE	6		DOMESTIC
415527	RYAN HOMES	2/10/2006	AIR ROTARY	LANCASTER	40.82000	-76.36750	300	OPEN HOLE	2.5		DOMESTIC
415587	RYAN HOMES	12/22/2005	AIR ROTARY	LANCASTER	40.83667	-76.36750	500	OPEN HOLE	2		DOMESTIC
415611	RYAN HOMES	12/22/2005	AIR ROTARY	LANCASTER	40.83667	-76.36750	300	OPEN HOLE	10		DOMESTIC
415710	BARRON'S SUNOCO	1/18/2006	AIR ROTARY	LUZERNE	41.03500	-76.08722	46	SCREEN			UNUSED
415711	BARRON'S SUNOCO	1/18/2006	AIR ROTARY	LUZERNE	41.03500	-76.08722	60	SCREEN			UNUSED

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PA WELL ID	OWNER	DATE DRILLED	DRILLING METHOD	COUNTY	LATITUDE	LONGITUDE	WELL DEPTH (ft bgs)	WELL FINISH	WELL YIELD (gpm)	STATIC WATER LEVEL (ft bgs)	WATER USE
415712	DAVEHEDRICK	9/16/2005	AIR ROTARY	COLUMBIA	41.19678	-76.46092	300	OPEN HOLE	12		DOMESTIC
415713	SHAWNKESSLER	1/10/2006	AIR ROTARY	COLUMBIA	41.10013	-76.49375	400	OPEN HOLE	3		DOMESTIC
415714	DAVIDTOWNSEND	1/4/2006	AIR ROTARY	COLUMBIA	40.92838	-76.45277	180	OPEN HOLE	14		DOMESTIC
415969	RUSSELLHUGHES	3/6/2006	AIR ROTARY	COLUMBIA	41.15647	-76.31795	285	CLOSED-LOO	15		GEOTHERMAL
416007	KURT WEISS GREENHOUSES, INC.	3/1/2006	AIR ROTARY	NORTHUMBERLAND	40.79940	-76.44478	100	OPEN HOLE			IRRIGATION
416036	RICHARDHARTMAN	3/9/2006	AIR ROTARY	COLUMBIA	41.30425	-76.39798	200	OPEN HOLE	15		DOMESTIC
416042	RYAN HOMES	3/9/2006	AIR ROTARY	LANCASTER	40.83667	-76.36750	300	OPEN HOLE	7		DOMESTIC
416082	RUSSELLHUGHES	3/7/2006	AIR ROTARY	COLUMBIA	41.15652	-76.31802	285	CLOSED-LOO	30		GEOTHERMAL
416083	JOHN J.KANUTE	1/30/2006	AIR ROTARY	SCHUYLKILL	40.85297	-76.28818	150	OPEN HOLE	30		DOMESTIC
416084	DEBRAMORTON	11/3/2005	AIR ROTARY	MONTOUR	40.89230	-76.54145	325	OPEN HOLE	10		DOMESTIC
416105	RYAN HOMES	3/17/2006	AIR ROTARY	LANCASTER	40.83333	-76.36750	400	OPEN HOLE	3		DOMESTIC
416111	RYAN HOMES	3/17/2006	AIR ROTARY	LANCASTER	40.83667	-76.36917	300	OPEN HOLE	8		DOMESTIC
416127	ANDREWMUZINO	3/15/2006	AIR ROTARY	COLUMBIA	41.02377	-76.27550	200	OPEN HOLE	15		DOMESTIC
416128	JEANWILLIAMSON	3/27/2006	AIR ROTARY	LUZERNE	40.96830	-76.15943	300	OPEN HOLE	20		DOMESTIC
416141	JOHNDAY	3/22/2006	AIR ROTARY	COLUMBIA	40.96672	-76.25560	150	OPEN HOLE	100		DOMESTIC
416142	RYAN HOMES	3/16/2006	AIR ROTARY	LANCASTER	40.83667	-76.36750	425	OPEN HOLE	2		DOMESTIC
416166	TODDBARTO	3/29/2006	AIR ROTARY	LUZERNE	41.23663	-76.23548	300	OPEN HOLE	3		DOMESTIC
416200	DAVEHESS	3/24/2006	AIR ROTARY	COLUMBIA	41.08195	-76.34442	140	OPEN HOLE	100		DOMESTIC
416281	RYAN HOMES	4/3/2006	AIR ROTARY	LANCASTER	40.83611	-76.36944	400	OPEN HOLE	8		DOMESTIC
416293	RYAN HOMES	3/31/2006	AIR ROTARY	LANCASTER	40.83667	-76.36667	325	OPEN HOLE	3		DOMESTIC
416303	SAND SPRINGS	12/28/2005	AIR ROTARY	LUZERNE	41.05639	-75.98333	200	OPEN HOLE	10	60	OTHER
416337	NOELLINDENMUTH	4/5/2006	AIR ROTARY	COLUMBIA	40.86467	-76.38863	335	OPEN HOLE	80		DOMESTIC
416357	CARLRHOADS	4/4/2006	AIR ROTARY	COLUMBIA	40.87098	-76.42595	150	OPEN HOLE	18		DOMESTIC
416377	RYAN HOMES	4/17/2006	AIR ROTARY	LANCASTER	40.83667	-76.36667	325	OPEN HOLE	15		DOMESTIC
416447	FRANKWILLIAMS	4/21/2006	AIR ROTARY	COLUMBIA	40.99923	-76.48125	300	OPEN HOLE	7		DOMESTIC
416536	RYAN HOMES	4/25/2006	AIR ROTARY	LANCASTER	40.82000	-76.36667	250	OPEN HOLE	20		DOMESTIC
416613	TRANGUCH	4/27/2006		LUZERNE	40.97778	-75.98444	22				UNUSED
416626	TRANGUCH	4/27/2006		LUZERNE	40.97778	-75.98444	51				UNUSED
416631	TRANGUCH	4/27/2006		LUZERNE	40.97778	-75.98444	20				UNUSED
416632	TRANGUCH	4/27/2006		LUZERNE	40.97778	-75.98444	30				UNUSED
416633	TRANGUCH	4/27/2006		LUZERNE	40.97778	-75.98444	20				UNUSED

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PA WELL ID	OWNER	DATE DRILLED	DRILLING METHOD	COUNTY	LATITUDE	LONGITUDE	WELL DEPTH (ft bgs)	WELL FINISH	WELL YIELD (gpm)	STATIC WATER LEVEL (ft bgs)	WATER USE
416634	TRANGUCH	4/27/2006		LUZERNE	40.97778	-75.98444	20				UNUSED
416635	TRANGUCH	4/27/2006		LUZERNE	40.97778	-75.98444	18				UNUSED
416636	TRANGUCH	4/27/2006		LUZERNE	40.97778	-75.98444	45				UNUSED
416644	TRANGUCH	4/27/2006		LUZERNE	40.97778	-75.98444	20				UNUSED
416645	TRANGUCH	4/27/2006		LUZERNE	40.97778	-75.98444	20				UNUSED
416646	TRANGUCH	4/27/2006		LUZERNE	40.97778	-75.98444	20				UNUSED
416696	SARGENT ARTS	4/21/2006	AIR ROTARY	LUZERNE	40.96778	-75.97111	42	SCREEN			UNUSED
416705	SARGENT ARTS	4/21/2006	AIR ROTARY	LUZERNE	40.96778	-75.97111	41	SCREEN			UNUSED
416734	SARGENT ARTS	4/21/2006	AIR ROTARY	LUZERNE	40.96778	-75.97111	40	SCREEN			UNUSED
416771	RYAN HOMES	5/12/2006	AIR ROTARY	LANCASTER	40.81667	-76.36389	400	OPEN HOLE	5		DOMESTIC
416779	RYAN HOMES	5/11/2006	AIR ROTARY	LANCASTER	40.82000	-76.36667	300	OPEN HOLE	10		DOMESTIC
416780	RYAN HOMES	5/19/2006	AIR ROTARY	LANCASTER	40.82000	-76.36667	225	OPEN HOLE	25		DOMESTIC
416790	RYAN HOMES	5/23/2006	AIR ROTARY	LANCASTER	40.83667	-76.36667	300	OPEN HOLE	10		DOMESTIC
416821	RYAN HOMES	5/9/2006	AIR ROTARY	LANCASTER	40.82000	-76.36667	400	OPEN HOLE	10		DOMESTIC
416837	FINE LINE HOMES	4/19/2006	AIR ROTARY	COLUMBIA	41.01468	-76.49818	140	OPEN HOLE	80		DOMESTIC
416838	FINE LINE HOMES	4/19/2006	AIR ROTARY	COLUMBIA	41.01368	-76.49667	175	OPEN HOLE	60		DOMESTIC
416855	RYAN HOMES	5/10/2006	AIR ROTARY	LANCASTER	40.82000	-76.36667	300	OPEN HOLE			DOMESTIC
416856	RYAN HOMES	5/8/2006	AIR ROTARY	LANCASTER	40.82000	-76.36667	300	OPEN HOLE	0		UNUSED
416964	JIMSHAFFER	4/17/2006	AIR ROTARY	COLUMBIA	40.91080	-76.48987	260	OPEN HOLE	12		DOMESTIC
416995	RYAN HOMES	6/6/2006	AIR ROTARY	LANCASTER	40.82000	-76.36111	300	OPEN HOLE	8		DOMESTIC
416996	STEVEYINGER	6/6/2006	AIR ROTARY	LANCASTER	41.00306	-76.34139	175	OPEN HOLE	50		DOMESTIC
417077	HEARTLAND BUILDING & DEVELOPMENT	3/2/2006	AIR ROTARY	MONTOUR	40.98218	-76.58057	300	OPEN HOLE	4		DOMESTIC
417167	CHRISTOPHERRADZIEWICZ	6/5/2006	AIR ROTARY	COLUMBIA	40.91132	-76.49172	350	OPEN HOLE	6		DOMESTIC
417172	CARLKALIE	6/1/2006	AIR ROTARY	LUZERNE	41.17487	-76.25530	500	OPEN HOLE	3		DOMESTIC
417173	MARILYNRAKE	6/16/2006	AIR ROTARY	NORTHUMBERLAND	40.93840	-76.58018	250	OPEN HOLE	10		DOMESTIC
417357	TINAGUISE	6/20/2006	AIR ROTARY	COLUMBIA	40.86702	-76.46527	300	OPEN HOLE	3		DOMESTIC
417361	GLENNBLYLER	7/5/2006	AIR ROTARY	COLUMBIA	40.96332	-76.48078	300	OPEN HOLE	5		DOMESTIC
417541	RANDYHARTRANFT	3/24/2006	AIR ROTARY	COLUMBIA	40.96758	-76.25398	175	OPEN HOLE	60		DOMESTIC
417542	TIMCOTNAR	7/31/2006	AIR ROTARY	COLUMBIA	40.98125	-76.51328	125	OPEN HOLE	30		DOMESTIC
417625	DONBABB	6/14/2004	AIR ROTARY	LYCOMING	41.21361	-76.57278	225	OPEN HOLE	15		DOMESTIC

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PA WELL ID	OWNER	DATE DRILLED	DRILLING METHOD	COUNTY	LATITUDE	LONGITUDE	WELL DEPTH (ft bgs)	WELL FINISH	WELL YIELD (gpm)	STATIC WATER LEVEL (ft bgs)	WATER USE
417627	LYNNLUNGER	8/18/2004	AIR ROTARY	LYCOMING	41.21944	-76.59167	380	OPEN HOLE	3		DOMESTIC
417629	ADAMMULL	8/24/2004	AIR ROTARY	LYCOMING	41.18778	-76.62139	377	OPEN HOLE	3		DOMESTIC
417644	TOMWATSON	6/18/2004	AIR ROTARY	SULLIVAN	41.35028	-76.48694	420	OPEN HOLE	1.5		DOMESTIC
417645	RICHARDGRIFFIN	3/24/2004	AIR ROTARY	LYCOMING	41.25306	-76.53333	175	OPEN HOLE	15		DOMESTIC
417649	TOMSMITH	4/21/2003	AIR ROTARY	COLUMBIA	41.07639	-76.48417	200	OPEN HOLE	100		DOMESTIC
417661	GENEFRANK	8/17/2006	AIR ROTARY	COLUMBIA	41.24862	-76.35903	300	OPEN HOLE	6		DOMESTIC
417666	TERRYMILLER	6/22/2004	AIR ROTARY	SULLIVAN	41.34833	-76.48417	340	OPEN HOLE	3		DOMESTIC
417679	MIKEHUNTER	10/11/2004	AIR ROTARY	LYCOMING	41.23028	-76.58083	500	OPEN HOLE	1.5		DOMESTIC
417884	RICHARDKEELER	10/3/2001	AIR ROTARY	LYCOMING	41.27833	-76.53667	380	OPEN HOLE	3		DOMESTIC
417887	KATHRYNSMITH	10/4/2001	AIR ROTARY	LYCOMING	41.27944	-76.53639	300	OPEN HOLE	25		
417894	MELVINSWISHER	12/26/2001	AIR ROTARY	LYCOMING	41.21528	-76.57444	460	OPEN HOLE	10		DOMESTIC
417896	COHICK	12/11/2001	AIR ROTARY	LYCOMING	41.28028	-76.53611	420	OPEN HOLE	5		
417938	EARLRUSSELL	9/11/2006	AIR ROTARY	COLUMBIA	40.92875	-76.38967	300	OPEN HOLE	10		DOMESTIC
417939	DICKDELAVENTIST	9/15/2006	AIR ROTARY	COLUMBIA	41.13162	-76.24232	200	OPEN HOLE	10		DOMESTIC
417940	RYAN HOMES	10/11/2006	AIR ROTARY	LANCASTER	40.82000	-76.36111	300	OPEN HOLE	10		DOMESTIC
417949	DAVIDBROKUS	9/28/2006	AIR ROTARY	COLUMBIA	40.91072	-76.49368	300	OPEN HOLE	30		DOMESTIC
417962	DAVESEELING	6/8/2005	AIR ROTARY	LYCOMING	41.17139	-76.59611	225	OPEN HOLE	25		DOMESTIC
418001	GREGORYWOODSIDE	3/7/2003	AIR ROTARY	LYCOMING	41.27556	-76.50444	250	OPEN HOLE			DOMESTIC
418008	FREDHURLOCK	5/5/2003	AIR ROTARY	LYCOMING	41.23417	-76.53250	300	OPEN HOLE	4		DOMESTIC
418032	LYCOMING VALLEY HOMES	10/8/2003	AIR ROTARY	LYCOMING	41.27278	-76.51250	225	OPEN HOLE	10		DOMESTIC
418041	TOMSMITH	7/9/2003	AIR ROTARY	COLUMBIA	41.15778	-76.32000	150	OPEN HOLE	32		DOMESTIC
418094	JERRYBAILLET	9/21/2005	AIR ROTARY	COLUMBIA	41.23861	-76.46667	175	OPEN HOLE	20		DOMESTIC
418101	RYAN HOMES	9/7/2006	AIR ROTARY	LANCASTER	40.83611	-76.36667	225	OPEN HOLE	20		DOMESTIC
418183	RYAN HOMES	9/8/2006	AIR ROTARY	LANCASTER	40.83667	-76.36667	350	OPEN HOLE	15		DOMESTIC
418217	RYAN HOMES	9/7/2006	AIR ROTARY	LANCASTER	40.83611	-76.36667	225	OPEN HOLE	20		DOMESTIC
418253	BRIANKOBILIS	9/12/2006	AIR ROTARY	COLUMBIA	40.89687	-76.40998	125	OPEN HOLE	60		DOMESTIC
418301	MICHAELWORTHINGTON	7/7/2006	AIR ROTARY	LYCOMING	41.21410	-76.55175	400	OPEN HOLE	7		DOMESTIC
418454	S&S HOMES (BARRONE)	10/9/2006	AIR ROTARY	CARBON	40.84032	-75.81587	350	OPEN HOLE	8	50	DOMESTIC
418475	ROARING CREEK BUILDERS, INC.	3/23/2006	AIR ROTARY	LUZERNE	41.11548	-75.80980	220	OPEN HOLE	10		DOMESTIC
418487	RYAN HOMES	10/18/2006	AIR ROTARY	LANCASTER	40.82000	-76.36111	400	OPEN HOLE	3.5		DOMESTIC

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Table 2.3-33 {Groundwater Wells Located within a 25 Mile (40-km) Radius of BBNPP (Listed in Pennsylvania Groundwater Information System)}

PA WELL ID	OWNER	DATE DRILLED	DRILLING METHOD	COUNTY	LATITUDE	LONGITUDE	WELL DEPTH (ft bgs)	WELL FINISH	WELL YIELD (gpm)	STATIC WATER LEVEL (ft bgs)	WATER USE
418520	ANTHONYTALARICO	10/10/2006	AIR ROTARY	WYOMING	41.41306	-76.06694	450	OPEN HOLE	8	180	DOMESTIC
418557	RYAN HOMES	10/26/2006	AIR ROTARY	LANCASTER	40.83667	-76.36667	425	OPEN HOLE	3		DOMESTIC
418596	LEISURE LIVING	12/11/2001	AIR ROTARY	LYCOMING	41.28861	-76.53806	420	OPEN HOLE	5		DOMESTIC
418598	TRAVISMOWERY	10/18/2006	AIR ROTARY	COLUMBIA	40.95362	-76.31873	350	OPEN HOLE	5		DOMESTIC
418696	PETERBELTRAMI	11/10/2006		LUZERNE	41.01944	-75.97472	280	OPEN END	65	147	DOMESTIC
418766	JAMESGIRTON	9/13/2006	AIR ROTARY	COLUMBIA	41.00625	-76.49867	450	OPEN HOLE	3		DOMESTIC
418777	ANDREWCWIERTNIEWICZ III	9/5/2006	AIR ROTARY	LUZERNE	40.97535	-76.16562	175	OPEN HOLE	30		DOMESTIC
418779	PAULPETERSEN	11/24/2006		LUZERNE	41.03139	-76.04083	280	OPEN END	20	55	DOMESTIC
418813	MICHAELROINICK	11/13/2006	AIR ROTARY	LUZERNE	41.03265	-76.14770	300	OPEN HOLE	5		DOMESTIC
418819	TERRYSEANARD	11/14/2006	AIR ROTARY	COLUMBIA	41.16108	-76.34733	225	OPEN HOLE	15		DOMESTIC
418878	FINE LINE HOMES	12/7/2006	AIR ROTARY	COLUMBIA	41.01408	-76.49757	225	OPEN HOLE	15		DOMESTIC
418881	ADELAIDEBENSON	10/5/2006	AIR ROTARY	COLUMBIA	40.98188	-76.46983	200	OPEN HOLE	30		DOMESTIC
418882	MONA BUILDERS	10/16/2006	AIR ROTARY	LUZERNE	41.16770	-76.25673	500	OPEN HOLE	1		DOMESTIC
418914	HAROLDKLEINSMITH	10/25/2006	AIR ROTARY	LUZERNE	41.14197	-76.21738	450	OPEN HOLE	12		DOMESTIC
418923	FINE LINE HOMES	12/6/2006	AIR ROTARY	COLUMBIA	41.01297	-76.49798	150	OPEN HOLE	60		DOMESTIC
418942	LAURENKLINE	11/7/2006	AIR ROTARY	COLUMBIA	41.16450	-76.46858	450	OPEN HOLE	20		DOMESTIC
419052	LENGUARNA	12/12/2006	AIR ROTARY	COLUMBIA	40.86262	-76.44200	350	OPEN HOLE	8		DOMESTIC
419135	EUGENESTEC	10/10/2006	AIR ROTARY	LUZERNE	41.37361	-75.96972	250	OPEN HOLE	7	90	DOMESTIC
419543	JAMESBECKER	3/13/2007	AIR ROTARY	NORTHUMBERLAND	40.87673	-76.53343	275	CLOSED-LOO	5		GEOTHERMAL
419552	JAMESBECKER	3/12/2007	AIR ROTARY	NORTHUMBERLAND	40.87582	-76.53140	275	CLOSED-LOO	10		GEOTHERMAL
419557	GEORGEKLEPPINGER	3/26/2007	AIR ROTARY	SCHUYLKILL	40.83630	-76.07627	240	OPEN HOLE	20		DOMESTIC
419559	JAMESBECKER	3/5/2007	AIR ROTARY	NORTHUMBERLAND	40.87582	-76.53132	400	OPEN HOLE	8		DOMESTIC
419560	SUGARLOAF FIRE CO, INC.	12/14/2006	AIR ROTARY	LUZERNE	41.00037	-76.08313	200	OPEN HOLE	50		DOMESTIC
419566	PHILIPDOUGHERTY	12/6/2006	AIR ROTARY	COLUMBIA	41.15493	-76.62305	380	OPEN HOLE	5		DOMESTIC
419567	JAMESBECKER	3/13/2007	AIR ROTARY	NORTHUMBERLAND	40.87675	-76.53350	275	CLOSED-LOO	1		GEOTHERMAL
419627	LESLIESMITH	4/10/2006	AIR ROTARY	LYCOMING	41.11056	-76.60667	380	OPEN HOLE	2		DOMESTIC
419851	CONQUEST CONSTRUCTION	3/29/2007		LUZERNE	41.00472	-76.00556	240	OPEN END	14	45	DOMESTIC
420011	CONQUEST CONSTRUCTION	3/30/2007	AIR ROTARY	LUZERNE	41.00444	-76.00639	200	OPEN HOLE	18	52	DOMESTIC
420118	CHRISTIAN HOLMAN	4/24/2007	AIR ROTARY	SCHUYLKILL	40.79528	-75.96417	440	OPEN HOLE	5		DOMESTIC

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Table 2.3-33 {Groundwater Wells Located within a 25 Mile (40-km) Radius of BBNPP (Listed in Pennsylvania Groundwater Information System)}

PA WELL ID	OWNER	DATE DRILLED	DRILLING METHOD	COUNTY	LATITUDE	LONGITUDE	WELL DEPTH (ft bgs)	WELL FINISH	WELL YIELD (gpm)	STATIC WATER LEVEL (ft bgs)	WATER USE
420126	CHRISTIAN HOLMAN	4/23/2007	AIR ROTARY	SCHUYLKILL	40.79528	-75.96417	400	OPEN HOLE	4		DOMESTIC
420219	EARLHORST	5/7/2007	AIR ROTARY	SCHUYLKILL	40.82944	-75.94306	275	OPEN HOLE	10		DOMESTIC
420228	EARLHORST	5/4/2007	AIR ROTARY	SCHUYLKILL	40.82944	-75.94139	275	OPEN HOLE	10		DOMESTIC
420266	MARKSWEIGART	5/11/2007	AIR ROTARY	COLUMBIA	41.30082	-76.37122	260	OPEN HOLE	6		DOMESTIC
420289	MORLANDBOLLINGER	5/15/2007	AIR ROTARY	COLUMBIA	41.30037	-76.37347	100	OPEN HOLE	20		DOMESTIC
420349	LEOHUMENICK JR.	5/25/2007	AIR ROTARY	CARBON	40.93500	-75.87500	120	OPEN HOLE	65	32	DOMESTIC
420350	JEFFROSSI	5/27/2007	AIR ROTARY	CARBON	40.95111	-75.82111	400	OPEN HOLE	3	12	DOMESTIC
420359	TIMJOSEPH	5/11/2007	AIR ROTARY	LUZERNE	41.02667	-75.99194	340	OPEN HOLE	10	65	DOMESTIC
420360	LEOHUMENICK SR.	5/26/2007	AIR ROTARY	CARBON	40.93472	-75.87556	120	OPEN HOLE	45	30	DOMESTIC
420386	JIMPESTER	4/24/2007	AIR ROTARY	SCHUYLKILL	40.85270	-76.03603	125	OPEN HOLE	45		DOMESTIC
420524	THOMASSTIRLING	5/31/2007	AIR ROTARY	LUZERNE	41.04333	-75.98861	400	OPEN HOLE	40	65	DOMESTIC
420573	JOHNMORAN	5/1/2007	AIR PERCUSSION	LUZERNE	41.23065	-76.08728	400	OPEN HOLE	7	60	DOMESTIC
420596	LEOLETONA	5/10/2007	AIR PERCUSSION	LUZERNE	41.38850	-75.91058	250	OPEN HOLE	100	30	DOMESTIC
420599	VISION HOMES	5/15/2007		LUZERNE	41.25940	-76.18698	300	OPEN HOLE	8	40	DOMESTIC
420602	MIKECORIGAN	4/18/2007	AIR PERCUSSION	LUZERNE	41.18963	-75.73895	300	OPEN HOLE	70	4	DOMESTIC
420637	MICHAELDELP	6/19/2007	AIR ROTARY	COLUMBIA	41.24923	-76.42412	400	OPEN HOLE	3		DOMESTIC
420658	DONALDBULLA	5/21/2007	AIR ROTARY	COLUMBIA	40.91245	-76.39023	280	OPEN HOLE	48		DOMESTIC
420660	DAVID E.JOHNSON	6/18/2007	AIR ROTARY	COLUMBIA	41.14875	-76.32142	300	OPEN HOLE	7		DOMESTIC
420681	KEVINTANRIBILIR	6/12/2007	AIR ROTARY	COLUMBIA	41.06910	-76.25692	300	OPEN HOLE	15		DOMESTIC
420798	KEVINWILLIAMS	6/7/2007	AIR ROTARY	MONTOUR	40.99782	-76.59510	260	OPEN HOLE	9		DOMESTIC
420801	FREDEISENHUTH	6/27/2007	AIR ROTARY	COLUMBIA	41.01370	-76.39700	150	OPEN HOLE	45		DOMESTIC
420805	CHARLIESTINE	6/27/2007	AIR ROTARY	COLUMBIA	41.02032	-76.36343	200	OPEN HOLE	20		DOMESTIC
420835	JK MECHANICAL	7/18/2007	AIR ROTARY	LUZERNE	41.04000	-75.99806	325	OPEN HOLE	100		GEOTHERMAL
420841	WAYNEPERLA	7/17/2007	AIR ROTARY	SCHUYLKILL	40.79278	-75.97750	200	OPEN HOLE	60		DOMESTIC
420842	JK MECHANICAL	7/17/2007	AIR ROTARY	LUZERNE	41.04000	-75.99806	325	OPEN HOLE	100		GEOTHERMAL
420856	ALLENLAROTONDA	5/22/2007	AIR ROTARY	COLUMBIA	41.13813	-76.43740	400	OPEN HOLE	4		DOMESTIC
420880	ROBERTGRIFFITH	7/13/2007	AIR ROTARY	COLUMBIA	41.27258	-76.32742	260	OPEN HOLE	6		DOMESTIC
420889	BP OIL COMPANY	5/29/2007	BORED OR AUGERED	LUZERNE	41.25833	-75.90500	12			3	
420896	RENESEVOUGHT	7/6/2007	AIR ROTARY	COLUMBIA	41.14675	-76.36095	44	OPEN HOLE	10		DOMESTIC
420925	TOMMUSSELMAN	7/13/2007	AIR ROTARY	COLUMBIA	41.17197	-76.44550	300	OPEN HOLE	4.5		DOMESTIC
420981	EARLPURSEL	7/30/2007	AIR ROTARY	COLUMBIA	41.12355	-76.54647	275	OPEN HOLE	30		DOMESTIC

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Table 2.3-33 {Groundwater Wells Located within a 25 Mile (40-km) Radius of BBNPP (Listed in Pennsylvania Groundwater Information System)}

PA WELL ID	OWNER	DATE DRILLED	DRILLING METHOD	COUNTY	LATITUDE	LONGITUDE	WELL DEPTH (ft bgs)	WELL FINISH	WELL YIELD (gpm)	STATIC WATER LEVEL (ft bgs)	WATER USE
421066	MIKEFARRELL	7/24/2007	AIR ROTARY	COLUMBIA	41.08493	-76.58042	600	OPEN HOLE	2		DOMESTIC
421102	SAMBOBST	8/13/2007	AIR ROTARY	COLUMBIA	40.92548	-76.49032	250	OPEN HOLE	60		DOMESTIC
421149	GUOLDS SUPERMARKET	8/7/2007	AIR ROTARY	LUZERNE	41.00639	-76.07167	265	OPEN HOLE	60	38	COMMERCIAL
421161	STILLER	8/10/2007	AIR ROTARY	LUZERNE	41.02167	-75.83417	280	OPEN HOLE	35	23	DOMESTIC
421162	KARPOWICH	8/30/2007	AIR ROTARY	LUZERNE	41.02389	-75.83417	320	OPEN HOLE	65	30	COMMERCIAL
421175	NOWAK	8/11/2007	AIR ROTARY	LUZERNE	41.02056	-75.82750	260	OPEN HOLE	28	42	DOMESTIC
421224	ROBERTMENSINGER	9/5/2007	AIR ROTARY	LUZERNE	41.04556	-76.02833	180	OPEN HOLE	50	30	DOMESTIC
421225	DIANABROWNING	9/8/2007	AIR ROTARY	LUZERNE	40.94139	-76.14361	120	OPEN END	25	30	DOMESTIC
421253	BRIANMANGAN	9/12/2007	AIR ROTARY	LUZERNE	41.01889	-76.21889	220	OPEN HOLE	45	25	DOMESTIC
421268	BRIANYENCHICK	9/14/2007	AIR ROTARY	LUZERNE	40.99139	-76.07306	180	OPEN HOLE	55	30	DOMESTIC
421543	TERIWATSON	9/17/2007	AIR ROTARY	COLUMBIA	40.99777	-76.37652	220	OPEN HOLE	7		DOMESTIC
421544	STEPHENHENTOSH	10/5/2007	AIR ROTARY	LUZERNE	41.00222	-76.00583	220	OPEN END	60	60	DOMESTIC
421584	GENERATION II	10/4/2007	AIR ROTARY	LUZERNE	40.99139	-76.05694	160	OPEN END	25	35	DOMESTIC
421619	LARRYNAPERKOWOSKI	9/7/2007	AIR PERCUSSION	LUZERNE	41.26023	-76.00392	500		5	140	
421620	DANBRUBAKER	7/19/2007		LUZERNE	41.27355	-76.11092	250		15	60	
421671	JOHN MARKHORST	10/12/2007	AIR ROTARY	SCHUYLKILL	40.77417	-75.98611	300	OPEN HOLE	60		GEOTHERMAL
421674	ALANWUFSUS	9/18/2007	AIR ROTARY	LUZERNE	41.01018	-76.04037	225	OPEN HOLE	30		DOMESTIC
421684	JOHN MARKHORST	10/12/2007	AIR ROTARY	SCHUYLKILL	40.77417	-75.98611	300	OPEN HOLE	60		GEOTHERMAL
421693	JAMESBIRDSALL	10/15/2007	AIR ROTARY	SCHUYLKILL	40.79972	-75.98167	250	OPEN HOLE	5		DOMESTIC
421701	FRANKTALUCCHI	10/18/2007	AIR ROTARY	WYOMING	41.43038	-76.25352	260	OPEN HOLE	7		DOMESTIC
421702	SIDBUTLER	9/24/2007	AIR ROTARY	LUZERNE	41.12045	-76.17738	250	OPEN HOLE	15		DOMESTIC
421715	WILLIAMRESIDES	9/26/2007	AIR ROTARY	MONTOUR	41.06322	-76.64005	500	OPEN HOLE	1.5		DOMESTIC
421806	EDWARDGAPPA	10/31/2007	AIR ROTARY	NORTHUMBERLAND	40.87892	-76.55267	150	OPEN HOLE	12		DOMESTIC
421819	DAVIDKEEFER	10/10/2007	AIR ROTARY	COLUMBIA	40.88072	-76.35368	120	OPEN HOLE	60		DOMESTIC
421855	TIMKARR	11/1/2007	AIR ROTARY	COLUMBIA	40.88148	-76.40422	200	OPEN HOLE	15		DOMESTIC
421882	BORO OF TAMAQUA	11/6/2007	AIR ROTARY	SCHUYLKILL	40.79351	-75.93367	200	OPEN HOLE	15	40	DOMESTIC
421886	CARLAGIGER	10/26/2007	AIR ROTARY	COLUMBIA	40.97417	-76.36444	140	OPEN HOLE	75	20	DOMESTIC
421889	JEFFMARANCIN	11/8/2007	AIR ROTARY	LUZERNE	41.04750	-76.02278	200	OPEN HOLE	30	55	DOMESTIC
421899	TONYTOBIAS	9/17/2007	AIR ROTARY	LUZERNE	40.94120	-76.14027	175	OPEN HOLE	100		DOMESTIC
421911	GEORGEMIZZER	10/17/2007	AIR PERCUSSION	WYOMING	41.39012	-75.90815	250		30	60	
421917	BRIANHARRIS	7/28/2007	AIR PERCUSSION	LUZERNE	41.36148	-75.93030	150		55	20	
421919	ANDREWULITCHNEY	9/12/2007	AIR PERCUSSION	LUZERNE	41.23695	-76.10858	600		1	180	

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Table 2.3-33 {Groundwater Wells Located within a 25 Mile (40-km) Radius of BBNPP (Listed in Pennsylvania Groundwater Information System)}

PA WELL ID	OWNER	DATE DRILLED	DRILLING METHOD	COUNTY	LATITUDE	LONGITUDE	WELL DEPTH (ft bgs)	WELL FINISH	WELL YIELD (gpm)	STATIC WATER LEVEL (ft bgs)	WATER USE
421921	ERICLEVANDOWSKI	10/8/2007		LUZERNE	41.23157	-76.26432	600		4	100	
421987	GEORGEMONTROSS	10/10/2007	AIR PERCUSSION	WYOMING	41.40512	-76.03707	300		60	80	
422013	ELAINESNYDER	6/29/2007	AIR PERCUSSION	LUZERNE	41.35898	-76.06260	300		20	30	

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Table 2.3-34 {Groundwater Wells Located within a 5 Mile (8-km) Radius of BBNPP (Listed in Pennsylvania Groundwater Information System)}

Yield Measure Method	Static Water Level	Water Use
	30.00	DOMESTIC
VOLUMETRIC, WATCH & BUCKET	0.00	DOMESTIC
	0.00	DOMESTIC
VOLUMETRIC, WATCH & BUCKET	0.00	DOMESTIC
	0.00	PUBLIC SUPPLY
	0.00	PUBLIC SUPPLY
	0.00	PUBLIC SUPPLY
VOLUMETRIC, WATCH & BUCKET	0.00	DOMESTIC
VOLUMETRIC, WATCH & BUCKET	65.00	DOMESTIC
	0.00	DOMESTIC
	114.00	DOMESTIC
	0.00	INDUSTRIAL
	0.00	INDUSTRIAL
REPORTED, METHOD NOT KNOWN	0.00	AIR CONDITIONING
	0.00	UNUSED
	0.00	OTHER
	0.00	OTHER
	0.00	OTHER
	0.00	OTHER
	0.00	OTHER
	0.00	DOMESTIC
REPORTED, METHOD NOT KNOWN	0.00	DOMESTIC
REPORTED, METHOD NOT KNOWN	0.00	DOMESTIC
TOTALING METER	35.92	DOMESTIC
VOLUMETRIC, WATCH & BUCKET	80.00	DOMESTIC
	0.00	DOMESTIC
REPORTED, METHOD NOT KNOWN	0.00	DOMESTIC
REPORTED, METHOD NOT KNOWN	0.00	DOMESTIC
BAILER	65.00	DOMESTIC
VOLUMETRIC, WATCH & BUCKET	0.00	DOMESTIC
UNKNOWN	0.00	DOMESTIC
VOLUMETRIC, WATCH & BUCKET	0.00	DOMESTIC
ESTIMATED	0.00	DOMESTIC
REPORTED, METHOD NOT KNOWN	0.00	DOMESTIC
VOLUMETRIC, WATCH & BUCKET	0.00	DOMESTIC
	32.40	PUBLIC SUPPLY
	30.50	PUBLIC SUPPLY
	31.90	PUBLIC SUPPLY
	44.10	DOMESTIC
	31.10	DOMESTIC
	0.00	DOMESTIC
UNKNOWN	0.00	DOMESTIC
VOLUMETRIC, WATCH & BUCKET	0.00	DOMESTIC
VOLUMETRIC, WATCH & BUCKET	0.00	DOMESTIC

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Table 2.3-34 {Groundwater Wells Located within a 5 Mile (8-km) Radius of BBNPP (Listed in Pennsylvania Groundwater Information System)}

(Page 2 of 10)

Yield Measure Method	Static Water Level	Water Use
ESTIMATED	0.00	DOMESTIC
REPORTED, METHOD NOT KNOWN	0.00	DOMESTIC
REPORTED, METHOD NOT KNOWN	0.00	DOMESTIC
	23.10	UNUSED
	28.30	DOMESTIC
BAILER	0.00	DOMESTIC
	0.00	UNUSED
	0.00	UNUSED
	0.00	UNUSED
	0.00	UNUSED
	0.00	UNUSED
	0.00	UNUSED
	0.00	UNUSED
	0.00	UNUSED
	0.00	UNUSED
	0.00	UNUSED
	0.00	UNUSED
	0.00	UNUSED
	0.00	UNUSED
REPORTED, METHOD NOT KNOWN	0.00	DOMESTIC
ESTIMATED	0.00	DOMESTIC
	0.00	DOMESTIC
VOLUMETRIC, WATCH & BUCKET	0.00	DOMESTIC
REPORTED, METHOD NOT KNOWN	0.00	DOMESTIC
REPORTED, METHOD NOT KNOWN	0.00	DOMESTIC
	0.00	DOMESTIC
	0.00	DOMESTIC
VOLUMETRIC, WATCH & BUCKET	0.00	DOMESTIC
	0.00	DOMESTIC
	0.00	DOMESTIC
UNKNOWN	65.00	DOMESTIC
	0.00	DOMESTIC
UNKNOWN	30.00	DOMESTIC
ESTIMATED	0.00	DOMESTIC
REPORTED, METHOD NOT KNOWN	0.00	DOMESTIC
	0.00	DOMESTIC
UNKNOWN	40.00	
UNKNOWN	0.00	DOMESTIC
UNKNOWN	0.00	DOMESTIC
UNKNOWN	0.00	DOMESTIC
BAILER	85.00	DOMESTIC
VOLUMETRIC, WATCH & BUCKET	30.00	DOMESTIC
ESTIMATED	0.00	DOMESTIC
VOLUMETRIC, WATCH & BUCKET	0.00	DOMESTIC
	60.00	INDUSTRIAL

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Table 2.3-34 {Groundwater Wells Located within a 5 Mile (8-km) Radius of BBNPP (Listed in Pennsylvania Groundwater Information System)}

Yield Measure Method	Static Water Level	Water Use
REPORTED, METHOD NOT KNOWN	0.00	DOMESTIC
ESTIMATED	0.00	DOMESTIC
UNKNOWN	0.00	DOMESTIC
VOLUMETRIC, WATCH & BUCKET	0.00	DOMESTIC
ESTIMATED	0.00	DOMESTIC
	7.00	DOMESTIC
VOLUMETRIC, WATCH & BUCKET	0.00	DOMESTIC
UNKNOWN	40.00	DOMESTIC
UNKNOWN	12.00	DOMESTIC
	12.00	DOMESTIC
REPORTED, METHOD NOT KNOWN	40.00	COMMERCIAL
ESTIMATED	0.00	DOMESTIC
VOLUMETRIC, WATCH & BUCKET	30.00	DOMESTIC
VOLUMETRIC, WATCH & BUCKET	20.00	DOMESTIC
UNKNOWN	0.00	DOMESTIC
	20.00	DOMESTIC
VOLUMETRIC, WATCH & BUCKET	0.00	DOMESTIC
	0.00	COMMERCIAL
VOLUMETRIC, WATCH & BUCKET	40.00	DOMESTIC
UNKNOWN	0.00	DOMESTIC
VOLUMETRIC, WATCH & BUCKET	0.00	DOMESTIC
VOLUMETRIC, WATCH & BUCKET	57.00	UNUSED
VOLUMETRIC, WATCH & BUCKET	155.00	UNUSED
VOLUMETRIC, WATCH & BUCKET	152.00	UNUSED
	1.00	UNUSED
PITOT-TUBE METER	60.00	UNUSED
VOLUMETRIC, WATCH & BUCKET	22.00	UNUSED
VOLUMETRIC, WATCH & BUCKET	185.00	UNUSED
ESTIMATED	40.00	DOMESTIC
UNKNOWN	0.00	DOMESTIC
REPORTED, METHOD NOT KNOWN	0.00	DOMESTIC
REPORTED, METHOD NOT KNOWN	60.00	DOMESTIC
VOLUMETRIC, WATCH & BUCKET	0.00	DOMESTIC
UNKNOWN	60.00	DOMESTIC
VOLUMETRIC, WATCH & BUCKET	0.00	DOMESTIC
ESTIMATED	0.00	DOMESTIC
UNKNOWN	0.00	DOMESTIC
	34.70	DOMESTIC
REPORTED, METHOD NOT KNOWN	0.00	DOMESTIC
ESTIMATED	0.00	DOMESTIC
ESTIMATED	0.00	DOMESTIC
	0.00	DOMESTIC
ESTIMATED	25.00	DOMESTIC
UNKNOWN	0.00	DOMESTIC

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Table 2.3-34 {Groundwater Wells Located within a 5 Mile (8-km) Radius of BBNPP (Listed in Pennsylvania Groundwater Information System)}

Yield Measure Method	Static Water Level	Water Use
REPORTED, METHOD NOT KNOWN	0.00	DOMESTIC
	0.00	COMMERCIAL
	160.00	DOMESTIC
ESTIMATED	0.00	DOMESTIC
UNKNOWN	0.00	DOMESTIC
	25.00	DOMESTIC
REPORTED, METHOD NOT KNOWN	40.00	PUBLIC SUPPLY
REPORTED, METHOD NOT KNOWN	0.00	PUBLIC SUPPLY
REPORTED, METHOD NOT KNOWN	54.00	PUBLIC SUPPLY
UNKNOWN	375.00	DOMESTIC
BAILER	0.00	DOMESTIC
ESTIMATED	0.00	DOMESTIC
	35.00	UNUSED
	150.00	DOMESTIC
VOLUMETRIC, WATCH & BUCKET	0.00	DOMESTIC
VOLUMETRIC, WATCH & BUCKET	0.00	DOMESTIC
ESTIMATED	0.00	DOMESTIC
UNKNOWN	0.00	DOMESTIC
VOLUMETRIC, WATCH & BUCKET	0.00	UNUSED
UNKNOWN	14.00	DOMESTIC
	11.50	DOMESTIC
VOLUMETRIC, WATCH & BUCKET	0.00	DOMESTIC
UNKNOWN	0.00	DOMESTIC
	7.16	DOMESTIC
	14.00	DOMESTIC
UNKNOWN	0.00	DOMESTIC
VOLUMETRIC, WATCH & BUCKET	0.00	DOMESTIC
VOLUMETRIC, WATCH & BUCKET	0.00	DOMESTIC
ESTIMATED	0.00	DOMESTIC
ESTIMATED	0.00	DOMESTIC
UNKNOWN	0.00	DOMESTIC
VOLUMETRIC, WATCH & BUCKET	30.00	DOMESTIC
ESTIMATED	0.00	DOMESTIC
ESTIMATED	0.00	DOMESTIC
REPORTED, METHOD NOT KNOWN	0.00	DOMESTIC
UNKNOWN	0.00	DOMESTIC
UNKNOWN	0.00	DOMESTIC
VOLUMETRIC, WATCH & BUCKET	0.00	DOMESTIC
VOLUMETRIC, WATCH & BUCKET	0.00	DOMESTIC
ESTIMATED	0.00	DOMESTIC
ESTIMATED	0.00	DOMESTIC
REPORTED, METHOD NOT KNOWN	0.00	COMMERCIAL
VOLUMETRIC, WATCH & BUCKET	0.00	DOMESTIC
UNKNOWN	45.00	DOMESTIC

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Table 2.3-34 {Groundwater Wells Located within a 5 Mile (8-km) Radius of BBNPP (Listed in Pennsylvania Groundwater Information System)}

Yield Measure Method	Static Water Level	Water Use
VOLUMETRIC, WATCH & BUCKET	0.00	DOMESTIC
UNKNOWN	100.00	DOMESTIC
REPORTED, METHOD NOT KNOWN	100.00	DOMESTIC
	22.80	DOMESTIC
UNKNOWN	0.00	DOMESTIC
ESTIMATED	45.00	DOMESTIC
	0.00	DOMESTIC
REPORTED, METHOD NOT KNOWN	30.00	DOMESTIC
ESTIMATED	25.00	DOMESTIC
UNKNOWN	12.00	DOMESTIC
UNKNOWN	50.00	DOMESTIC
	8.75	DOMESTIC
REPORTED, METHOD NOT KNOWN	220.00	COMMERCIAL
	63.00	DOMESTIC
UNKNOWN	0.00	DOMESTIC
	65.00	DOMESTIC
ESTIMATED	20.00	DOMESTIC
UNKNOWN	80.00	DOMESTIC
VOLUMETRIC, WATCH & BUCKET	80.00	DOMESTIC
UNKNOWN	0.00	DOMESTIC
	0.00	COMMERCIAL
VOLUMETRIC, WATCH & BUCKET	0.00	DOMESTIC
	0.00	DOMESTIC
UNKNOWN	75.00	DOMESTIC
UNKNOWN	30.00	DOMESTIC
ESTIMATED	20.00	DOMESTIC
	0.00	UNUSED
	0.00	COMMERCIAL
UNKNOWN	0.00	DOMESTIC
UNKNOWN	0.00	DOMESTIC
UNKNOWN	0.00	DOMESTIC
VOLUMETRIC, WATCH & BUCKET	0.00	DOMESTIC
UNKNOWN	0.00	DOMESTIC
ESTIMATED	0.00	DOMESTIC
VOLUMETRIC, WATCH & BUCKET	0.00	DOMESTIC
ESTIMATED	0.00	DOMESTIC
UNKNOWN	0.00	DOMESTIC
ESTIMATED	0.00	DOMESTIC
REPORTED, METHOD NOT KNOWN	0.00	PUBLIC SUPPLY
REPORTED, METHOD NOT KNOWN	0.00	DOMESTIC
ESTIMATED	0.00	DOMESTIC
ESTIMATED	0.00	DOMESTIC
UNKNOWN	0.00	DOMESTIC
UNKNOWN	25.00	DOMESTIC

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Table 2.3-34 {Groundwater Wells Located within a 5 Mile (8-km) Radius of BBNPP (Listed in Pennsylvania Groundwater Information System)}

Yield Measure Method	Static Water Level	Water Use
ESTIMATED	25.00	DOMESTIC
ESTIMATED	0.00	DOMESTIC
UNKNOWN	0.00	DOMESTIC
	0.00	DOMESTIC
VOLUMETRIC, WATCH & BUCKET	0.00	DOMESTIC
VOLUMETRIC, WATCH & BUCKET	0.00	DOMESTIC
UNKNOWN	0.00	DOMESTIC
	0.00	
VOLUMETRIC, WATCH & BUCKET	0.00	DOMESTIC
BAILER	8.22	DOMESTIC
	0.00	DOMESTIC
	0.00	DOMESTIC
	22.00	DOMESTIC
UNKNOWN	20.00	DOMESTIC
	32.80	DOMESTIC
UNKNOWN	0.00	DOMESTIC
UNKNOWN	0.00	DOMESTIC
ESTIMATED	0.00	DOMESTIC
UNKNOWN	0.00	DOMESTIC
VOLUMETRIC, WATCH & BUCKET	0.00	DOMESTIC
ESTIMATED	0.00	DOMESTIC
ESTIMATED	30.00	DOMESTIC
ESTIMATED	0.00	DOMESTIC
	20.00	DOMESTIC
VOLUMETRIC, WATCH & BUCKET	50.00	DOMESTIC
ESTIMATED	35.00	DOMESTIC
VOLUMETRIC, WATCH & BUCKET	0.00	DOMESTIC
ESTIMATED	0.00	DOMESTIC
ESTIMATED	0.00	DOMESTIC
ESTIMATED	30.00	DOMESTIC
REPORTED, METHOD NOT KNOWN	0.00	DOMESTIC
UNKNOWN	15.00	PUBLIC SUPPLY
ESTIMATED	0.00	DOMESTIC
ESTIMATED	70.00	DOMESTIC
	30.00	DOMESTIC
ESTIMATED	0.00	DOMESTIC
VOLUMETRIC, WATCH & BUCKET	0.00	DOMESTIC
VOLUMETRIC, WATCH & BUCKET	0.00	DOMESTIC
ESTIMATED	0.00	DOMESTIC
VOLUMETRIC, WATCH & BUCKET	0.00	DOMESTIC
ESTIMATED	0.00	DOMESTIC
	0.00	COMMERCIAL
REPORTED, METHOD NOT KNOWN	0.00	DOMESTIC
UNKNOWN	0.00	DOMESTIC

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Table 2.3-34 {Groundwater Wells Located within a 5 Mile (8-km) Radius of BBNPP (Listed in Pennsylvania Groundwater Information System)}

Yield Measure Method	Static Water Level	Water Use
	2.46	DOMESTIC
	5.28	DOMESTIC
UNKNOWN	65.00	DOMESTIC
UNKNOWN	30.00	DOMESTIC
UNKNOWN	0.00	DOMESTIC
UNKNOWN	0.00	DOMESTIC
	26.00	DOMESTIC
	14.90	COMMERCIAL
REPORTED, METHOD NOT KNOWN	30.00	DOMESTIC
	8.00	INDUSTRIAL
	0.00	
	0.00	
	5.40	UNUSED
	21.00	UNUSED
	17.00	UNUSED
	6.75	UNUSED
	0.00	UNUSED
	27.10	UNUSED
	26.10	UNUSED
	34.10	UNUSED
	0.00	UNUSED
	28.00	UNUSED
	24.50	INDUSTRIAL
	31.70	UNUSED
	18.00	UNUSED
	29.70	UNUSED
	14.80	OTHER
	62.30	UNUSED
	35.70	UNUSED
	65.20	UNUSED
	13.00	UNUSED
	54.50	UNUSED
	29.20	UNUSED
	32.20	UNUSED
	0.00	UNUSED
	0.00	UNUSED
	0.00	UNUSED
	24.60	DOMESTIC
	16.00	UNUSED
	7.57	INDUSTRIAL
	9.00	INDUSTRIAL
REPORTED, METHOD NOT KNOWN	17.00	INDUSTRIAL
BAILER	0.00	DOMESTIC
VOLUMETRIC, WATCH & BUCKET	0.00	DOMESTIC

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Table 2.3-34 {Groundwater Wells Located within a 5 Mile (8-km) Radius of BBNPP (Listed in Pennsylvania Groundwater Information System)}

Yield Measure Method	Static Water Level	Water Use
ESTIMATED	50.00	DOMESTIC
UNKNOWN	0.00	DOMESTIC
UNKNOWN	10.00	DOMESTIC
	10.00	DOMESTIC
VOLUMETRIC, WATCH & BUCKET	0.00	DOMESTIC
UNKNOWN	0.00	DOMESTIC
	35.70	DOMESTIC
ESTIMATED	25.00	DOMESTIC
ESTIMATED	20.00	DOMESTIC
REPORTED, METHOD NOT KNOWN	0.00	PUBLIC SUPPLY
REPORTED, METHOD NOT KNOWN	0.00	PUBLIC SUPPLY
REPORTED, METHOD NOT KNOWN	300.00	PUBLIC SUPPLY
REPORTED, METHOD NOT KNOWN	0.00	COMMERCIAL
REPORTED, METHOD NOT KNOWN	0.00	COMMERCIAL
REPORTED, METHOD NOT KNOWN	0.00	COMMERCIAL
	7.00	PUBLIC SUPPLY
	48.00	DOMESTIC
	63.00	DOMESTIC
	98.00	COMMERCIAL
ESTIMATED	18.00	DOMESTIC
UNKNOWN	24.00	DOMESTIC
ESTIMATED	0.00	DOMESTIC
REPORTED, METHOD NOT KNOWN	0.00	DOMESTIC
	27.00	DOMESTIC
	20.00	COMMERCIAL
	45.00	DOMESTIC
ESTIMATED	70.00	DOMESTIC
UNKNOWN	25.00	DOMESTIC
VOLUMETRIC, WATCH & BUCKET	25.00	DOMESTIC
VOLUMETRIC, WATCH & BUCKET	60.00	DOMESTIC
REPORTED, METHOD NOT KNOWN	0.00	COMMERCIAL
ESTIMATED	40.00	DOMESTIC
UNKNOWN	0.00	PUBLIC SUPPLY
	60.00	DOMESTIC
ESTIMATED	0.00	DOMESTIC
ESTIMATED	0.00	DOMESTIC
VOLUMETRIC, WATCH & BUCKET	0.00	DOMESTIC
UNKNOWN	91.00	DOMESTIC
REPORTED, METHOD NOT KNOWN	81.80	STOCK
UNKNOWN	0.00	DOMESTIC
REPORTED, METHOD NOT KNOWN	0.00	DOMESTIC
ESTIMATED	0.00	DOMESTIC
ESTIMATED	0.00	DOMESTIC
	5.00	DOMESTIC

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Table 2.3-34 {Groundwater Wells Located within a 5 Mile (8-km) Radius of BBNPP (Listed in Pennsylvania Groundwater Information System)}

Yield Measure Method	Static Water Level	Water Use
	0.00	DOMESTIC
	0.00	DOMESTIC
VOLUMETRIC, WATCH & BUCKET	30.00	DOMESTIC
UNKNOWN	50.00	DOMESTIC
VOLUMETRIC, WATCH & BUCKET	50.00	DOMESTIC
ESTIMATED	0.00	DOMESTIC
ESTIMATED	0.00	DOMESTIC
VOLUMETRIC, WATCH & BUCKET	0.00	DOMESTIC
VOLUMETRIC, WATCH & BUCKET	25.00	DOMESTIC
	48.00	DOMESTIC
	4.85	DOMESTIC
UNKNOWN	0.00	DOMESTIC
VOLUMETRIC, WATCH & BUCKET	0.00	DOMESTIC
REPORTED, METHOD NOT KNOWN	0.00	PUBLIC SUPPLY
	0.00	DOMESTIC
ESTIMATED	40.00	DOMESTIC
ESTIMATED	40.00	DOMESTIC
	36.50	DOMESTIC
VOLUMETRIC, WATCH & BUCKET	10.00	DOMESTIC
ESTIMATED	60.00	DOMESTIC
UNKNOWN	35.00	DOMESTIC
VOLUMETRIC, WATCH & BUCKET	35.00	DOMESTIC
	40.00	DOMESTIC
REPORTED, METHOD NOT KNOWN	0.00	COMMERCIAL
UNKNOWN	35.00	DOMESTIC
	35.00	DOMESTIC
ESTIMATED	0.00	DOMESTIC
VOLUMETRIC, WATCH & BUCKET	23.00	
TOTALING METER	23.00	
	22.50	UNUSED
	20.40	UNUSED
	51.10	UNUSED
	62.40	UNUSED
VOLUMETRIC, WATCH & BUCKET	27.00	PUBLIC SUPPLY
UNKNOWN	160.00	DOMESTIC
	64.80	DOMESTIC
UNKNOWN	0.00	DOMESTIC
ESTIMATED	0.00	DOMESTIC
REPORTED, METHOD NOT KNOWN	0.00	DOMESTIC
	45.00	DOMESTIC
	71.60	DOMESTIC
	38.10	DOMESTIC
	25.00	DOMESTIC
ESTIMATED	70.00	DOMESTIC

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Table 2.3-34 {Groundwater Wells Located within a 5 Mile (8-km) Radius of BBNPP (Listed in Pennsylvania Groundwater Information System)}

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Yield Measure Method	Static Water Level	Water Use
REPORTED, METHOD NOT KNOWN	90.00	PUBLIC SUPPLY
VOLUMETRIC, WATCH & BUCKET	20.00	DOMESTIC
VOLUMETRIC, WATCH & BUCKET	0.00	DOMESTIC
	0.00	DOMESTIC
ESTIMATED	0.00	STOCK
ESTIMATED	0.00	DOMESTIC
ESTIMATED	40.00	DOMESTIC
VOLUMETRIC, WATCH & BUCKET	30.00	DOMESTIC
ESTIMATED	0.00	DOMESTIC
	55.00	DOMESTIC
	93.70	DOMESTIC
UNKNOWN	0.00	DOMESTIC
VOLUMETRIC, WATCH & BUCKET	0.00	DOMESTIC
UNKNOWN	22.00	DOMESTIC
UNKNOWN	15.00	DOMESTIC
BAILER	36.01	DOMESTIC
REPORTED, METHOD NOT KNOWN	0.00	DOMESTIC
	18.00	COMMERCIAL
UNKNOWN	60.00	DOMESTIC

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Table 2.3-35 {Groundwater Withdrawals within a 25 Mile (40-km) Radius of BBNPP (Listed by Pennsylvania Department of Environmental Protection)}

(Page 1 of 11)

SITE ID	ORGANIZATION	SITE NAME	SUB FACILITY	USE TYPE	SITE STATUS
1633	SILBERLINE MFG CO INC	SILBERLINE MFG LANSFORD PLT	WELL 1	INDUSTRIAL USE	ACTIVE
1633	SILBERLINE MFG CO INC	SILBERLINE MFG LANSFORD PLT	WELL 2	INDUSTRIAL USE	ACTIVE
1633	SILBERLINE MFG CO INC	SILBERLINE MFG LANSFORD PLT	WELL 3	INDUSTRIAL USE	ACTIVE
2828	DEL MONTE CORP	DEL MONTE BLOOMSBURG PLT	WELL 2	INDUSTRIAL USE	ACTIVE
2828	DEL MONTE CORP	DEL MONTE BLOOMSBURG PLT	WELL 3	INDUSTRIAL USE	ACTIVE
2828	DEL MONTE CORP	DEL MONTE BLOOMSBURG PLT	WELL 5	INDUSTRIAL USE	ACTIVE
2828	DEL MONTE CORP	DEL MONTE BLOOMSBURG PLT	WELL 6	INDUSTRIAL USE	ACTIVE
2828	DEL MONTE CORP	DEL MONTE BLOOMSBURG PLT	WELL 4	INDUSTRIAL USE	ACTIVE
2828	DEL MONTE CORP	DEL MONTE BLOOMSBURG PLT	WELL 7	INDUSTRIAL USE	ACTIVE
2828	DEL MONTE CORP	DEL MONTE BLOOMSBURG PLT	WELL 1	INDUSTRIAL USE	ACTIVE
4280	LEIBYS DAIRY INC	LEIBYS DAIRY	WITHDRAW WELL	INDUSTRIAL USE	ACTIVE
4280	LEIBYS DAIRY INC	LEIBYS DAIRY	SPRING	INDUSTRIAL USE	ACTIVE
236805	ALTADIS USA INC	ALTADIS USA MCADOO PLT	WELL 5	INDUSTRIAL USE	ACTIVE
236805	ALTADIS USA INC	ALTADIS USA MCADOO PLT	WELL 6	INDUSTRIAL USE	ACTIVE
238511	BEMIS CO INC	BEMIS	WELL	INDUSTRIAL USE	ACTIVE
238511	STONE CONTAINER CORP	BEMIS	WELL	INDUSTRIAL USE	ACTIVE
240787	CHROMATEX INC	CHROMATEX	WELL 1	INDUSTRIAL USE	ACTIVE
240787	CHROMATEX INC	CHROMATEX	WELL	INDUSTRIAL USE	ACTIVE
243274	OFFSET PAPERBACK MANUFACTURERS INC	OFFSET PAPERBACK MFG	WELL 1	INDUSTRIAL USE	ACTIVE
243274	OFFSET PAPERBACK MANUFACTURERS INC	OFFSET PAPERBACK MFG	WELL 2	INDUSTRIAL USE	ACTIVE
243274	OFFSET PAPERBACK MANUFACTURERS INC	OFFSET PAPERBACK MFG	WELL 3	INDUSTRIAL USE	ACTIVE
243851	ROB BAR INC	BEAR CREEK INN	WELL 1	COMMERCIAL USE	ACTIVE
243972	VALLEY CC	VALLEY CC	PARKING LOT WELL	COMMERCIAL USE	ACTIVE
243972	VALLEY CC	VALLEY CC	DRINKING WATER WELL	COMMERCIAL USE	ACTIVE
243972	VALLEY CC	VALLEY CC	SHOP WELL	COMMERCIAL USE	ACTIVE
244229	LEHMAN GC	LEHMAN GC	WELL	COMMERCIAL USE	ACTIVE
245023	IREM TEMPLE AAONMS	IREM TEMPLE CC	WELL 1	COMMERCIAL USE	ACTIVE
245900	NATIVE TEXTILES	NATIVE TEXTILE	WITHDRAW WELL	INDUSTRIAL USE	INACTIVE

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Table 2.3-35 {Groundwater Withdrawals within a 25 Mile (40-km) Radius of BBNPP (Listed by Pennsylvania Department of Environmental Protection)}

(Page 2 of 11)

SITE ID	ORGANIZATION	SITE NAME	SUB FACILITY	USE TYPE	SITE STATUS
246578	FARMERS COOP DAIRY INC	FARMERS COOP DAIRY	WITHDRAW WELLS	INDUSTRIAL USE	ACTIVE
246657	JEBBON MFG CORP	JEBBON MFG	WITHDRAW WELL	INDUSTRIAL USE	INACTIVE
247996	AIR PROD & CHEM INC	AIR PROD & CHEM TAMAQUA PLT	BOOSTER PARK 1 NORTH	INDUSTRIAL USE	ACTIVE
248509	HEMLOCK VALLEY CAMPGROUND	HEMLOCK VALLEY CAMPGROUND	WELL 1	COMMERCIAL USE	ACTIVE
249531	UNIVERSAL FOREST PROD INC	UNIVERSAL FOREST PROD EASTERN DIV	PLANT WELL	INDUSTRIAL USE	ACTIVE
249531	UNIVERSAL FOREST PROD INC	UNIVERSAL FOREST PROD EASTERN DIV	OFFICE WELL	INDUSTRIAL USE	ACTIVE
249834	SCHULTZ ELECTROPLATING INC	SCHULTZ ELECTROPLATING	WITHD WELL	INDUSTRIAL USE	ACTIVE
249844	UAE COALCORP ASSOC	UAE COALCORP HARMONY MINE	WITHDRAWAL WELL	MINERAL USE	ACTIVE
250506	DIAMOND COAL CO INC	MAMMOTH ANTHRACITE LATTIMER BASIN MINE	MINE WITHDRAWAL	MINERAL USE	ACTIVE
250630	WHITE BIRCH GC INC	WHITE BIRCH GC	SPRG 1	COMMERCIAL USE	ACTIVE
252185	FED MOGUL CORP	WAGNER MFG	WELL 1A	COMMERCIAL USE	ACTIVE
252185	FED MOGUL CORP	WAGNER MFG	WELL 1B	COMMERCIAL USE	ACTIVE
252185	FED MOGUL CORP	WAGNER MFG	WELL 2A	COMMERCIAL USE	ACTIVE
252185	FED MOGUL CORP	WAGNER MFG	WELL 2B	COMMERCIAL USE	ACTIVE
252185	FED MOGUL CORP	WAGNER MFG	WELL 2C	COMMERCIAL USE	ACTIVE
252185	FED MOGUL CORP	WAGNER MFG	WELL 3A	COMMERCIAL USE	ACTIVE
252185	FED MOGUL CORP	WAGNER MFG	WELL 3B	COMMERCIAL USE	ACTIVE
252185	FED MOGUL CORP	WAGNER MFG	WELL 3C	COMMERCIAL USE	ACTIVE
252185	FED MOGUL CORP	WAGNER MFG	WELL 4A	COMMERCIAL USE	ACTIVE
252185	FED MOGUL CORP	WAGNER MFG	WELL 4B	COMMERCIAL USE	ACTIVE
252185	FED MOGUL CORP	WAGNER MFG	WELL 4C	COMMERCIAL USE	ACTIVE
252185	FED MOGUL CORP	WAGNER MFG	WELL 5A	COMMERCIAL USE	ACTIVE
252185	FED MOGUL CORP	WAGNER MFG	WELL 5B	COMMERCIAL USE	ACTIVE
252185	FED MOGUL CORP	WAGNER MFG	WELL 6A	COMMERCIAL USE	ACTIVE
252185	FED MOGUL CORP	WAGNER MFG	WELL 6B	COMMERCIAL USE	ACTIVE
252185	FED MOGUL CORP	WAGNER MFG	WELL 7B	COMMERCIAL USE	ACTIVE

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Table 2.3-35 {Groundwater Withdrawals within a 25 Mile (40-km) Radius of BBNPP (Listed by Pennsylvania Department of Environmental Protection)}

(Page 3 of 11)

SITE ID	ORGANIZATION	SITE NAME	SUB FACILITY	USE TYPE	SITE STATUS
252415	Unavailable	BODMAN GERALD J	SPRING WITHDRAWAL	AGRICULTURAL USE	ACTIVE
252415	Unavailable	BODMAN GERALD J	SPRING WITHDRAWAL	AGRICULTURAL USE	ACTIVE
253839	SMALL MTN QUARRY INC	PENNSY SUPPLY SMALL MTN QUARRY & SLUSSER BROS PLT	WELL 1	MINERAL USE	ACTIVE
253839	SMALL MTN QUARRY INC	PENNSY SUPPLY SMALL MTN QUARRY & SLUSSER BROS PLT	MINE DIV	MINERAL USE	ACTIVE
253994	SILVERBROOK ANTHRACITE INC	SILVERBROOK ANTHRACITE ALDEN BANK 1 MINE	A- SUR MINE WITHDRAWAL	MINERAL USE	ACTIVE
254020	SILVERBROOK ANTHRACITE INC	SILVERBROOK ANTHRACITE LAFLIN BANK MINE	MINE	MINERAL USE	ACTIVE
254524	WISE FOODS INC	WISE FOODS BERWICK SNACK FOOD PLT	WELL	INDUSTRIAL USE	ACTIVE
254535	BLOOMSBURG CARPET IND INC	BLOOMSBURG CARPET IND	TWO WITHDR WELLS	INDUSTRIAL USE	ACTIVE
254735	BRIAR HEIGHTS INC	ROLLING PINES GC WATER SYS	WELL 1	COMMERCIAL USE	ACTIVE
254735	BRIAR HEIGHTS INC	ROLLING PINES GC WATER SYS	WELL 2	COMMERCIAL USE	ACTIVE
254764	MILL RACE GOLF & CAMP RESORT INC	MILL RACE GC	CLUBHOUSE WELL	COMMERCIAL USE	ACTIVE
254764	MILL RACE GOLF & CAMP RESORT INC	MILL RACE GC	UPPER CAMPGROUND WELL	COMMERCIAL USE	ACTIVE
254764	MILL RACE GOLF & CAMP RESORT INC	MILL RACE GC	LOWER CAMPGROUND WELL	COMMERCIAL USE	ACTIVE
254764	MILL RACE GOLF & CAMP RESORT INC	MILL RACE GC	MAINTENANCE BUILDING WELL	COMMERCIAL USE	ACTIVE
254833	KLEERDEX CO	KLEERDEX	WITHDRAW WELL	INDUSTRIAL USE	ACTIVE
256133	SPRING HILL FARM INC	SPRINGHILL FARMS	WITH WELL	INDUSTRIAL USE	ACTIVE
257281	FROSTY VALLEY CC	FROSTY VALLEY CC WELL 1	WELL 1	COMMERCIAL USE	ACTIVE
257281	FROSTY VALLEY CC	FROSTY VALLEY CC WELL 1	WELL 2	COMMERCIAL USE	ACTIVE
257281	FROSTY VALLEY CC	FROSTY VALLEY CC WELL 1	CLUB HOUSE WELL	COMMERCIAL USE	ACTIVE
257281	FROSTY VALLEY CC	FROSTY VALLEY CC WELL 1	BARN WELL	COMMERCIAL USE	ACTIVE
257290	AMETEK CORPORATE OFC	AMETEK WESTCHESTER PLASTICS DIV	WELL 1	INDUSTRIAL USE	ACTIVE

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Table 2.3-35 {Groundwater Withdrawals within a 25 Mile (40-km) Radius of BBNPP (Listed by Pennsylvania Department of Environmental Protection)}

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SITE ID	ORGANIZATION	SITE NAME	SUB FACILITY	USE TYPE	SITE STATUS
257290	AMETEK CORPORATE OFC	AMETEK WESTCHESTER PLASTICS DIV	WELL 2	INDUSTRIAL USE	ACTIVE
257290	AMETEK CORPORATE OFC	AMETEK WESTCHESTER PLASTICS DIV	WELL 3	INDUSTRIAL USE	ACTIVE
257290	AMETEK CORPORATE OFC	AMETEK WESTCHESTER PLASTICS DIV	WELL 4	INDUSTRIAL USE	ACTIVE
257484	ALCOA KAMA INC	ALCOA KAMA	WELL	INDUSTRIAL USE	ACTIVE
257494	COATES ELECTROGRAPHICS INC	COATES ELECTROGRAPHICS	WITHDRAW WELL	INDUSTRIAL USE	ACTIVE
257496	CHEROKEE GC	CHEROKEE GC	CLUBHOUSE WELL	COMMERCIAL USE	ACTIVE
257496	CHEROKEE GC	CHEROKEE GC	MAINTENANCE BUILDING WELL	COMMERCIAL USE	ACTIVE
257496	CHEROKEE GC	CHEROKEE GC	RESTROOMS WELL	COMMERCIAL USE	ACTIVE
257496	CHEROKEE GC	CHEROKEE GC	ARARTMENT SOURCE WELL	COMMERCIAL USE	ACTIVE
257519	VALLEY ORDANCE	VALLEY ORDNANCE	WITHDRAW WELL	INDUSTRIAL USE	ACTIVE
257704	CARBONITE FILTER CORP	CARBONITE FILTER	WELL 1	MINERAL USE	ACTIVE
257704	CARBONITE FILTER CORP	CARBONITE FILTER	WELL	INDUSTRIAL USE	ACTIVE
258037	Unavailable	HETHERINGTON RAYMOND	SPRING	AGRICULTURAL USE	ACTIVE
258067	BARRETT HAENTJENS & CO	BARRETT HAENTJENS	WELL	INDUSTRIAL USE	ACTIVE
258134	OI NEG TV PROD INC	OI NEG TV PROD	WELL 1	INDUSTRIAL USE	ACTIVE
258153	COLUMBIA PORCH SHADE CO INC	COLUMBIA PORCH SHADE MFG	WITHDRAW WELL	INDUSTRIAL USE	ACTIVE
258164	BIROS IRON WORKS	BIROS IRON WORKS	WITHDRAW WELL	INDUSTRIAL USE	ACTIVE
258181	GEN CRUSHED STONE CO	GEN CRUSHED STONE WHITE HAVEN	WITHDRAWAL WELL	MINERAL USE	ACTIVE
258221	DRESHER FARMS	DRESHER FARMS	SPRING	AGRICULTURAL USE	ACTIVE
258288	FIBERITE INC	FIBERITE	WELL	INDUSTRIAL USE	ACTIVE
258664	DEL BAR SHEET METAL CO	DEL BAR SHEET METAL	WITHDRAW WELL	INDUSTRIAL USE	ACTIVE
258671	QUALITY METAL PROD INC	QUALITY METAL PROD MFG	WELL	INDUSTRIAL USE	ACTIVE
258676	AUDIMATION CORP	AUDIMATION	WITHDRAW WELL	INDUSTRIAL USE	ACTIVE
258700	BEAR RIDGE SHOPS INC	BEAR RIDGE SHOPS	WITHDR WELL	INDUSTRIAL USE	ACTIVE
258705	BOLYS IRON WORKS	BOLYS IRON WORKS	WITHDR SPRING	INDUSTRIAL USE	ACTIVE

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Table 2.3-35 {Groundwater Withdrawals within a 25 Mile (40-km) Radius of BBNPP (Listed by Pennsylvania Department of Environmental Protection)}

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SITE ID	ORGANIZATION	SITE NAME	SUB FACILITY	USE TYPE	SITE STATUS
258706	BRIEL TOOL & MACH WORKS	BRIEL TOOL & MACH WORKS PLT	WITHDRAW WELL	INDUSTRIAL USE	ACTIVE
258728	WILLIAM WENTZ INC	WILLIAM WENTZ	WELL	INDUSTRIAL USE	ACTIVE
258765	A & E RINGTOWN INC	A & E RINGTOWN	WELL	INDUSTRIAL USE	ACTIVE
258767	HILLAS FASHIONS	HILLAS FASHIONS	WITHDRAW WELL	INDUSTRIAL USE	ACTIVE
258842	HARMONY ASSOC INC	HARMONY ASSOC	WELL	INDUSTRIAL USE	ACTIVE
258870	TAMAQUA TRUCK & TRAILER INC	TAMAQUA TRUCK & TRAILER	WITH WELL	INDUSTRIAL USE	ACTIVE
258882	LIFESTYLE HOMES INC	LIFESTYE HOMES	WITHDRAW WELL	INDUSTRIAL USE	ACTIVE
258916	METCALF STEEL SVC	METCALF STEEL SVC	WITH WELL	INDUSTRIAL USE	ACTIVE
258918	R MARTIN PLASTIC SPECIALTIES	R MARTIN PLASTIC SPECIALTIES	WELL	INDUSTRIAL USE	ACTIVE
258951	FIMBEL DOOR CORP	FIMBEL DOOR	WELL	INDUSTRIAL USE	ACTIVE
259004	MTN VALLEY GC	MT VALLEY GC	WELL 9	COMMERCIAL USE	ACTIVE
259004	MTN VALLEY GC	MT VALLEY GC	WELL 7	COMMERCIAL USE	ACTIVE
259004	MTN VALLEY GC	MT VALLEY GC	WELL 15	COMMERCIAL USE	ACTIVE
259013	JEDDO HIGHLAND COAL CO	ROSA BREAKER COAL PREP PLT	RAW MINE WATERING	MINERAL USE	INACTIVE
259018	READING ANTHRACITE CO	OLD ST NICHOLAS 4 & 5 READING ANTH	MINE WITHDRAWAL	MINERAL USE	ACTIVE
259029	THREE PONDS GC	THREE PONDS GOLF SHOP	CLUB HOUSE WELL	COMMERCIAL USE	ACTIVE
259047	Unavailable	LEIBY ROBERT C	SPRING	AGRICULTURAL USE	ACTIVE
259517	GROUSE HUNT FARMS INC	GROUSE HUNT FARMS	WELL	INDUSTRIAL USE	ACTIVE
259532	DRUMS SASH & DOOR CO INC	DRUMS SASH & DOOR MFG	WELL	INDUSTRIAL USE	ACTIVE
259635	CTL ASPHALT MATERIALS INC	CTL ASPHALT MATERIALS	TWO WITHDRAW WELLS	INDUSTRIAL USE	ACTIVE
260322	ROBERT W HART & SON INC	ROBERT W HART & SON MFG	WITH WELL	INDUSTRIAL USE	ACTIVE
260442	WYOMING VALLEY CC	WYOMING VALLEY CC POND	WELL 1	COMMERCIAL USE	ACTIVE
260505	GEN TANK INC	GEN TANK	WITHDRAW WELL	INDUSTRIAL USE	ACTIVE
260513	FOUNTAIN SPRINGS CC	FOUNTAIN SPRINGS WELL	WELL	COMMERCIAL USE	ACTIVE
260527	CUSTOM METAL PROD INC	CUSTOM METAL PROD	WITH WELL	INDUSTRIAL USE	ACTIVE
261208	HAZEL PARK PACKING CO	HAZEL PARK PACKING	WELL	INDUSTRIAL USE	ACTIVE
261223	THREE SPRINGS WATER CO	THREE SPRINGS BOTTLED WATER PLT	SPRING 1	INDUSTRIAL USE	ACTIVE

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Table 2.3-35 {Groundwater Withdrawals within a 25 Mile (40-km) Radius of BBNPP (Listed by Pennsylvania Department of Environmental Protection)}

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SITE ID	ORGANIZATION	SITE NAME	SUB FACILITY	USE TYPE	SITE STATUS
261815	GERALD & LEWIS NAUGLE	READING MAT PIT 1 QUARRY	WITHDRAWAL WELL	MINERAL USE	ACTIVE
262675	ST JUDE POLYMER CORP	ST JUDE POLYMER FILW & CW	WELL	INDUSTRIAL USE	ACTIVE
263358	COLUMBIA ASPHALT CORP	HANSON AGGREGATES PA BLOOMSBURG QUARRY	WELL 1	INDUSTRIAL USE	ACTIVE
263358	HANSON AGGREGATES PENNSYLVANIA INC	HANSON AGGREGATES PA BLOOMSBURG QUARRY	DUST CONTROL WELL	MINERAL USE	ACTIVE
263358	HANSON AGGREGATES PENNSYLVANIA INC	HANSON AGGREGATES PA BLOOMSBURG QUARRY	SANITARY WELL	MINERAL USE	ACTIVE
263363	HANSON AGGREGATES PENNSYLVANIA INC	HANSON AGGREGATES PA BLOOMSBURG S & G QUARRY	S & G PIT WATER	MINERAL USE	ACTIVE
263363	HANSON AGGREGATES PENNSYLVANIA INC	HANSON AGGREGATES PA BLOOMSBURG S & G QUARRY	WELLS	MINERAL USE	ACTIVE
263385	FOX HILL CC	FOX HILL CC FILW	HALF WAY WELL	COMMERCIAL USE	ACTIVE
264419	Unavailable	SWEET VALLEY GC	WITHDRAW WELL	COMMERCIAL USE	ACTIVE
271128	BEAR GAP STONE INC	BEAR GAP QUARRY	FRESH WATER	MINERAL USE	ACTIVE
271224	BARLETTA MATERIALS & CONST INC	BARLETTA HONEY HOLE QUARRY	LAB WELL 2	INDUSTRIAL USE	ACTIVE
445219	NORTHAMPTON FUEL SUPPLY CO INC	NORTHAMPTON FUEL SUPPLY PROSPECT MINE	LOCAL MINE POOL	MINERAL USE	ACTIVE
445826	KELLY INVESTORS INC	KELLY INVESTORS KELLY 1 MINE	WELL WITHDRAWAL	MINERAL USE	INACTIVE
446877	NORTHAMPTON FUEL SUPPLY CO INC	NORTHAMPTON FUEL SUPPLY LOOMIS MINE	UNDERGROUND WELL	MINERAL USE	ACTIVE
447086	BALD EAGLE COAL CO INC	BALD EAGLE COAL WHITE PINE MINE	DEWATERING	MINERAL USE	INACTIVE
447145	BLASCHAK COAL CORP	BLASCHAK COAL ST NICHOLAS MINE	MINE POOL	MINERAL USE	ACTIVE
447978	LEHIGH COAL & NAVIGATION CO	LEHIGH COAL & NAVIGATION LCN MINE	MINE 10 DIV	MINERAL USE	ACTIVE
447978	LEHIGH COAL & NAVIGATION CO	LEHIGH COAL & NAVIGATION LCN MINE	MINE SPRINGDALE WELL	MINERAL USE	ACTIVE
447978	LEHIGH COAL & NAVIGATION CO	LEHIGH COAL & NAVIGATION LCN MINE	MINE 14	MINERAL USE	ACTIVE

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Table 2.3-35 {Groundwater Withdrawals within a 25 Mile (40-km) Radius of BBNPP (Listed by Pennsylvania Department of Environmental Protection)}

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SITE ID	ORGANIZATION	SITE NAME	SUB FACILITY	USE TYPE	SITE STATUS
447978	LEHIGH COAL & NAVIGATION CO	LEHIGH COAL & NAVIGATION LCN MINE	RT 309 DISCHARGE	MINERAL USE	ACTIVE
448087	JAC MAR COAL CO TA L & E COAL	L & E COAL JAC MAR MINE	WITHDRAWAL SURFACE MINE	MINERAL USE	ACTIVE
448323	AMER ASPHALT PAVING CO	AMER ASPHALT CHASE QUARRY	MINE WITHDRAWAL	MINERAL USE	ACTIVE
448936	ANDREAS LUMBER INC	ANDREAS LUMBER	SPRING	INDUSTRIAL USE	ACTIVE
448937	BARTSEN MEDIA INC	BARTSEN MEDIA	WITHDRAW WELL	INDUSTRIAL USE	ACTIVE
448963	GRANT CONCRETE PROD	GRANT CONCRETE PROD	WITH WELL	INDUSTRIAL USE	ACTIVE
448964	PRECISION TOOL & MACH CO	PRECISION TOOL & MACH	WITH WELL	INDUSTRIAL USE	ACTIVE
448965	COUNTRY COUSINS SHOES INC	COUNTRY COUSINS SHOES	WELL	INDUSTRIAL USE	ACTIVE
448968	BRUCH EYE CARE ASSOCS	BRUCH EYE CARE ASSOCS	WITH WELL	INDUSTRIAL USE	ACTIVE
449001	RIVERVIEW VIBRATED BLOCK CO	RIVERVIEW BLOCK MFG	WITH WELL	INDUSTRIAL USE	ACTIVE
449006	WEATHERLY CASTING & MACH CO	WEATHERLY CASTING & MACH MFG	WELL	INDUSTRIAL USE	ACTIVE
449057	INTERCOAL INC	INTERCOAL COAL PREP PLT	WELL	MINERAL USE	ACTIVE
450346	GALE COAL CO INC	GALE COAL E KASKA MINE	DEWATERING	MINERAL USE	INACTIVE
450409	BEAVER BROOK COAL CO	BEAVER BROOK COAL MINE	QUARRY WITHDRAWAL	MINERAL USE	ACTIVE
450734	HUNLOCK SAND & GRAVEL CO	HUNLOCK QUARRY	WELL 1	MINERAL USE	ACTIVE
457134	BLOOMSBURG MILLS INC	BLOOMSBURG MILLS	THREE WITHDR WELLS	INDUSTRIAL USE	ACTIVE
457138	MILLVILLE PROD	MILLVILLE PROD	WITHDRAW WELL	INDUSTRIAL USE	ACTIVE
457207	PA ALUM	PA ALUM	WITHDR WELL	INDUSTRIAL USE	ACTIVE
457208	BRUCE CHARLES SAWMILL	BRUCE CHARLES SAWMILL	WITHDR WELL	INDUSTRIAL USE	ACTIVE
457267	NATL SELECT FABRICS CORP	NATL SELECT FABRICS	WELL 1	INDUSTRIAL USE	ACTIVE
457267	NATL SELECT FABRICS CORP	NATL SELECT FABRICS	WELL 2	INDUSTRIAL USE	ACTIVE
457268	CATAWISSA LUMBER & SPECIALTY CO	CATAWISSA LUMBER MILL	WELL	INDUSTRIAL USE	ACTIVE
457269	BOSTON FARM PROD	BOSTON FARM PROD	WITHDRAW WELL	INDUSTRIAL USE	ACTIVE
457270	DEIHL VAULT & PRECAST	DEIHL VAULT & PRECAST	WITHDRAW WELL	INDUSTRIAL USE	ACTIVE
457272	BRIAR KNITTING MILLS	BRIAR KNITTING MILLS	WELL	INDUSTRIAL USE	ACTIVE

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Table 2.3-35 {Groundwater Withdrawals within a 25 Mile (40-km) Radius of BBNPP (Listed by Pennsylvania Department of Environmental Protection)}

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SITE ID	ORGANIZATION	SITE NAME	SUB FACILITY	USE TYPE	SITE STATUS
457273	WILKES POOL CORP	WILKES POOL	WITHDRAW WELL	INDUSTRIAL USE	ACTIVE
457274	HESS READY MIX INC	HESS READY MIX	WELL	INDUSTRIAL USE	ACTIVE
457275	S & B FOUNDRY CO	BLOOMSBURG FOUNDRY	WELL	INDUSTRIAL USE	ACTIVE
457276	HOCK TRANSIT MIX CONCRETE INC	HOCK TRANSIT MIX CONCRETE	WELL	INDUSTRIAL USE	ACTIVE
457288	GREENLEAF CROP PROD SVC	GREENLEAF CROP PROD SVC	WITHDRAW WELL	INDUSTRIAL USE	ACTIVE
457336	FRONT STREET FASHIONS	FRONT STREET FASHIONS	WITHDRAW WELL	INDUSTRIAL USE	ACTIVE
457337	BROCKMAN SHEET METAL	BROCKMAN SHEET METAL	WITHD SPRING	INDUSTRIAL USE	ACTIVE
457338	FARR LUMBER	FARR LUMBER	WELL	INDUSTRIAL USE	ACTIVE
457339	CROP PROD SVC INC	CROP PROD SVC	WITH WELL	INDUSTRIAL USE	ACTIVE
457340	PA COMBINING CORP	PA COMBINING	WITH WELL	INDUSTRIAL USE	ACTIVE
457341	RANGER IND	RANGER IND	WITHDRAW WELL	INDUSTRIAL USE	ACTIVE
457347	CUSTOM FABRICATION CO	CUSTOM FABRICATION	WITH WELL	INDUSTRIAL USE	ACTIVE
457349	GENSEMERS CUSTOM PROC	GENSEMERS CUSTOM PROC	WELL	INDUSTRIAL USE	ACTIVE
457426	LITTLE LUMBER CO INC	LITTLE LUMBER	WELL	INDUSTRIAL USE	ACTIVE
457430	CALIFORNIA EAST	CA EAST	WITHDRAW WELL	INDUSTRIAL USE	ACTIVE
457444	EXPLO TECH	EXPLO TECH	WITHDRAW WELL	INDUSTRIAL USE	ACTIVE
457529	R & R ENERGY CORP	R & R ENERGY COAL PREP PLT	MINE WATER WITHDRAWAL	MINERAL USE	INACTIVE
457564	KLINGERMAN GALLICK AG SVC INC	MAINVILLE AG SVC	WITH WELL	INDUSTRIAL USE	ACTIVE
457609	BERWICK WEAVING INC	BERWICK WEAVING	WELL 1	INDUSTRIAL USE	ACTIVE
457629	COLUMBIA GRAPHICS INC	COLUMBIA GRAPHICS	WITHDRAW WELL	INDUSTRIAL USE	ACTIVE
457642	HARRELL AUTOMATIC SPRINKLER CO	HARRELL AUTOMATIC SPRINKLER	WELL	INDUSTRIAL USE	ACTIVE
458364	WAGNERS FRUIT FARM	WAGNERS FRUIT FARM	WELL WITHDRAWAL	AGRICULTURAL USE	ACTIVE
458364	WAGNERS FRUIT FARM	WAGNERS FRUIT FARM	SPRING WITHDRAWAL	AGRICULTURAL USE	ACTIVE
458368	STREATER & SON INC	STREATER & SON	GROUND WITHDRAWA	AGRICULTURAL USE	ACTIVE
458370	SEESHOLTZ BROS INC	SEESHOLTZ BROS	SPRING WITHDRAWAL	AGRICULTURAL USE	ACTIVE
458370	SEESHOLTZ BROS INC	SEESHOLTZ BROS	QUARRY WITHDRAWAL	AGRICULTURAL USE	ACTIVE
458374	Unavailable	FETTERMAN EUGENE	SPRING WITHDRAWAL	AGRICULTURAL USE	ACTIVE
458592	BENTON FOUNDRY INC	BENTON FOUNDRY	WELL 1	INDUSTRIAL USE	ACTIVE

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Table 2.3-35 {Groundwater Withdrawals within a 25 Mile (40-km) Radius of BBNPP (Listed by Pennsylvania Department of Environmental Protection)}

SITE ID	ORGANIZATION	SITE NAME	SUB FACILITY	USE TYPE	SITE STATUS
458703	IA CONST CORP	GROVANIA ASPHALT PLT	WELL	INDUSTRIAL USE	INACTIVE
459332	PHILA CITY TRUSTEE GIRARD ESTATE	PHILA CONTINENTAL MINE	MINE DEWATERING PUMP 1	MINERAL USE	ACTIVE
459332	PHILA CITY TRUSTEE GIRARD ESTATE	PHILA CONTINENTAL MINE	MINE DEWATERING PUMP 2	MINERAL USE	ACTIVE
461656	Unavailable	COLLINS TOOL CORP	WELL	INDUSTRIAL USE	ACTIVE
471870	INTERSIL CORP	FAIRCHILD SEMICONDUCTOR MOUNTAINTOP PLT	RCA WELL	INDUSTRIAL USE	ACTIVE
481054	EMERALD ANTHRACITE II	HUD TA EMERALD ANTHRACITE	WITHDRAWAL WELLS	MINERAL USE	ACTIVE
481054	EMERALD ANTHRACITE II	HUD TA EMERALD ANTHRACITE	MINE WITHDRAWAL	MINERAL USE	ACTIVE
490902	TEE TO GREEN GOLF CTR	TEE TO GREEN GC MFG	WELL	INDUSTRIAL USE	ACTIVE
490961	HOLOVIAKS CH SUPPLY INC	HOLOVIAKS CH SUPPLY MFG	WELL	INDUSTRIAL USE	ACTIVE
491027	DAVIS TROPHIES	DAVIS TROPHIES MFG	WELL	INDUSTRIAL USE	ACTIVE
491078	BURTAM CORP	BLUE RIDGE TRAIL GC	WELL 2	COMMERCIAL USE	ACTIVE
491078	BURTAM CORP	BLUE RIDGE TRAIL GC	WELL 1	COMMERCIAL USE	ACTIVE
491096	HIGHWAY EQUIP & SUPPLY CO	HWY EQUIP & SUPPLY MFG	WELL	INDUSTRIAL USE	ACTIVE
491105	DURABOND CORP	DURABOND CARPET UNDERLAY MFG	WELL	INDUSTRIAL USE	ACTIVE
495513	EAGLE ROCK COMM ASSOC INC	EAGLE ROCK RESORT	WELL C	COMMERCIAL USE	ACTIVE
495513	EAGLE ROCK COMM ASSOC INC	EAGLE ROCK RESORT	WELL A	COMMERCIAL USE	ACTIVE
508540	GENECO SVC INC	GENECO SVC	WITHDR WELL	INDUSTRIAL USE	ACTIVE
511126	WEIR HAZLETON INC	HAZLETON CASTING	WELL	INDUSTRIAL USE	ACTIVE
515571	CASTEK INC	CASTEK	WELL 1	INDUSTRIAL USE	ACTIVE
517060	BRADFORD CLOCKS LTD	BRADFORD CLOCKS	WITHD WELL	INDUSTRIAL USE	ACTIVE
533454	READING MATERIALS INC	HAINES & KIBBLEHOUSE PIKES CREEK ASPHALT	POND MAKEUP WELL	MINERAL USE	ACTIVE
533454	READING MATERIALS INC	HAINES & KIBBLEHOUSE PIKES CREEK ASPHALT	PRIMARY PLANT WELL	MINERAL USE	ACTIVE

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Table 2.3-35 {Groundwater Withdrawals within a 25 Mile (40-km) Radius of BBNPP (Listed by Pennsylvania Department of Environmental Protection)}

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SITE ID	ORGANIZATION	SITE NAME	SUB FACILITY	USE TYPE	SITE STATUS
533454	READING MATERIALS INC	HAINES & KIBBLEHOUSE PIKES CREEK ASPHALT	SCALEHOUSE WELL	MINERAL USE	ACTIVE
533454	READING MATERIALS INC	HAINES & KIBBLEHOUSE PIKES CREEK ASPHALT	GARAGE WELL	MINERAL USE	ACTIVE
533454	READING MATERIALS INC	HAINES & KIBBLEHOUSE PIKES CREEK ASPHALT	PORTABLE PLANT WELL	MINERAL USE	ACTIVE
542892	FABCON EAST CORP LLC	FABCON E	WELL 2	INDUSTRIAL USE	ACTIVE
543444	GROUP MTN SPRINGS	TULPEHOCKEN SPRINGS	BH-1	INDUSTRIAL USE	ACTIVE
549903	HOLLYWOOD MILLWORK	HOLLYWOOD MILLWORK	WELL	INDUSTRIAL USE	ACTIVE
549917	PRECISION LITHO GRAPHICS	PRECISION LITHO GRAPHICS	WELL	INDUSTRIAL USE	ACTIVE
549930	MC BON CORP	MC BON	WELL	INDUSTRIAL USE	ACTIVE
549934	SUGARLOAF PRINT SHOP	SUGARLOAF PRINT SHOP	WELL	INDUSTRIAL USE	ACTIVE
549960	BEACH MACH & GEAR	BEACH MACH & GEAR	WELL	INDUSTRIAL USE	ACTIVE
571024	DILLON FLORAL CORP	DILLON FLORAL	WELL 1	AGRICULTURAL USE	ACTIVE
580619	KAREN MFG CO INC	KAREN MFG	WITHDRAW WELL	INDUSTRIAL USE	INACTIVE
656391	KOCHS TURKEY FARM	KOCHS TURKEY FARM WALKER TWP SCHUYLKILL CNTY	GROUND WATER HATCHERY	AGRICULTURAL USE	ACTIVE
656391	KOCHS TURKEY FARM	KOCHS TURKEY FARM WALKER TWP SCHUYLKILL CNTY	GROUND WATER WELL 4	AGRICULTURAL USE	ACTIVE
656391	KOCHS TURKEY FARM	KOCHS TURKEY FARM WALKER TWP SCHUYLKILL CNTY	GROUNDWATER UPPER	AGRICULTURAL USE	ACTIVE
658498	PA FISH & BOAT COMM FISHERIES BUR	BEAVER TWP ROD & GUN CLUB COLUMBIA CNTY	UNNAMED SPRING TRIBUTARY TO SCOTCH RUN	AGRICULTURAL USE	ACTIVE
659375	Unavailable	RAY LEVAN FARM LOCUST TWP COLUMBIA CNTY	SPRING 1	AGRICULTURAL USE	ACTIVE
659375	Unavailable	RAY LEVAN FARM LOCUST TWP COLUMBIA CNTY	WELL 1	AGRICULTURAL USE	ACTIVE
659800	Unavailable	ROBERT E KARNES FARM LOCUST TWP COLUMBIA CNTY	WELL AT HOUSE	AGRICULTURAL USE	ACTIVE
659800	Unavailable	ROBERT E KARNES FARM LOCUST TWP COLUMBIA CNTY	WELL AT BARN	AGRICULTURAL USE	ACTIVE

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Table 2.3-35 {Groundwater Withdrawals within a 25 Mile (40-km) Radius of BBNPP (Listed by Pennsylvania Department of Environmental Protection)}

SITE ID	ORGANIZATION	SITE NAME	SUB FACILITY	USE TYPE	SITE STATUS
659877	Unavailable	PAUL R LEVAN & SONS FARM LOCUST TWP COLUMBIA CNTY	WELL 1	AGRICULTURAL USE	ACTIVE
660023	BISON MEADOWS LLC	BISON MEADOWS FARM BLYTHE TWP SCHUYLKILL CNTY	SPRING 1	AGRICULTURAL USE	ACTIVE
660303	HAZLETON MATERIALS LLC	HAZLETON MATERIALS FOSTER TWP LUZERNE CNTY	PRODUCTION WELL	MINERAL USE	ACTIVE
660303	HAZLETON MATERIALS LLC	HAZLETON MATERIALS FOSTER TWP LUZERNE CNTY	SCALEHOUSE WELL	MINERAL USE	ACTIVE
660303	HAZLETON MATERIALS LLC	HAZLETON MATERIALS FOSTER TWP LUZERNE CNTY	WASH PLANT WELL	MINERAL USE	ACTIVE
660687	Unavailable	WINSTON A JARRARD FARM ROARING CREEK TWP COLUMBIA CNTY	WELL 1	AGRICULTURAL USE	ACTIVE
660969	R VALLEY FARMS	R VALLEY FARMS BEAVER TWP COLUMBIA CNTY	WELL 1	AGRICULTURAL USE	ACTIVE
661881	SETON MANOR INC	SETON MANOR RUSH TWP SCHUYLKILL CNTY	BOOSTER PARK 1 NORTH (WELL)	COMMERCIAL USE	ACTIVE
661881	SETON MANOR INC	SETON MANOR RUSH TWP SCHUYLKILL CNTY	BOOSTER PARK 2 SOUTH (WELL)	COMMERCIAL USE	ACTIVE
677497	GROUP MTN SPRINGS	SUGARLOAF MTN SPRINGS BENTON TWP COLUMBIA CNTY	SUGARLOAF MOUNTAIN SPRING	INDUSTRIAL USE	ACTIVE

Reference: PADEP (2008d)

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Table 2.3-36 {Groundwater Withdrawals within a 5 Mile (8-km) Radius of BBNPP (Listed by Pennsylvania Department of Environmental Protection)}

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ORGANIZATION	SITE NAME	SUB FACILILITY	USE TYPE	SITE STATUS
ROBERT W HART & SON INC	ROBERT W HART & SON MFG	WITH WELL	INDUSTRIAL USE	ACTIVE
LIFESTYLE HOMES INC	LIFESTYE HOMES	WITHDRAW WELL	INDUSTRIAL USE	ACTIVE
GEN TANK INC	GEN TANK	WITHDRAW WELL	INDUSTRIAL USE	ACTIVE
BERWICK WEAVING INC	BERWICK WEAVING	WELL 1	INDUSTRIAL USE	ACTIVE
RIVERVIEW VIBRATED BLOCK CO	RIVERVIEW BLOCK MFG	WITH WELL	INDUSTRIAL USE	ACTIVE
BROCKMAN SHEET METAL	BROCKMAN SHEET METAL	WITHD SPRING	INDUSTRIAL USE	ACTIVE
BEACH MACH & GEAR	BEACH MACH & GEAR	WELL	INDUSTRIAL USE	ACTIVE
BARLETTA MATERIALS & CONST INC	BARLETTA HONEY HOLE QUARRY	LAB WELL 2	INDUSTRIAL USE	ACTIVE
AUDIMATION CORP	AUDIMATION	WITHDRAW WELL	INDUSTRIAL USE	ACTIVE
ANDREAS LUMBER INC	ANDREAS LUMBER	SPRING	INDUSTRIAL USE	ACTIVE
COUNTRY COUSINS SHOES INC	COUNTRY COUSINS SHOES	WELL	INDUSTRIAL USE	ACTIVE
DURABOND CORP	DURABOND CARPET UNDERLAY MFG	WELL	INDUSTRIAL USE	ACTIVE
CASTEK INC	CASTEK	WELL 1	INDUSTRIAL USE	ACTIVE

Reference: PADEP (2008d)

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Table 2.3-37 Drinking Water Wells Used for Public Water Supplies, Luzerne and Columbia Counties

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PWSID	SYSTEM NAME	STATUS	SYSTEM TYPE	POPULATION SERVED
Luzerne County				
2400001	RIVERVIEW VILLAGE MHP	ACTIVE	COMMUNITY	175
2400002	NOCCHI'S TRAILER COURT	INACTIVE	COMMUNITY	117
2400003	ECHO VALLEY MHP	ACTIVE	COMMUNITY	240
2400004	SUNSET TERRACE	INACTIVE	COMMUNITY	38
2400005	PINE VALLEY	INACTIVE	COMMUNITY	23
2400006	HIGH POINT ACRES ASSN	INACTIVE	COMMUNITY	52
2400007	BRYANTS MHP	ACTIVE	COMMUNITY	50
2400008	TOWER 80 81 LLC	ACTIVE	COMMUNITY	115
2400010	BARRINGTON APARTMENT	INACTIVE	COMMUNITY	42
2400011	ALWAYS WATER CO %WM DEANGELO	INACTIVE	COMMUNITY	63
2400012	AQUA PA FIELDCREST	ACTIVE	COMMUNITY	110
2400014	PINE GROVE APARTMENTS	INACTIVE	COMMUNITY	52
2400015	MILNESVILLE #7 WATER ASSOC.	INACTIVE	COMMUNITY	23
2400016	PARDEESVILLE WATER SYS	INACTIVE	COMMUNITY	220
2400017	CHASE MANOR WATER ASSOC.	ACTIVE	COMMUNITY	95
2400018	AQUA PA MAPLECREST	INACTIVE	COMMUNITY	56
2400019	AG-MAR ESTATES	INACTIVE	COMMUNITY	34
2400021	LAUREL RUN WATER ASSOC	INACTIVE	COMMUNITY	100
2400022	SKYWAY MHP	ACTIVE	COMMUNITY	40
2400023	KEYSTONE JOB CORPS CENTER	ACTIVE	COMMUNITY	950
2400024	BONHAM NURSING CENTER	ACTIVE	COMMUNITY	76
2400026	PENN ST WILKES BARRE CAMPUS	ACTIVE	COMMUNITY	1,278
2400027	LAKESIDE NURSING HOME	ACTIVE	COMMUNITY	91
2400029	AQUA PA SHICKSHINNY LAKE	ACTIVE	COMMUNITY	126
2400030	MAPLE KNOLL ASSN	INACTIVE	COMMUNITY	91
2400031	4 SEASONS ESTATES	ACTIVE	COMMUNITY	98
2400032	HOWARD IDE	INACTIVE	COMMUNITY	5
2400033	COUNTRY MANOR	INACTIVE	COMMUNITY	31
2400034	LAUREL RUN ESTATES	ACTIVE	COMMUNITY	340
2400035	LAKEVIEW MANOR	INACTIVE	COMMUNITY	27
2400036	COUNTRY CREST MHP	ACTIVE	COMMUNITY	150
2400037	LAND FARM, INC.	INACTIVE	COMMUNITY	42
2400038	VALLEY STREAM MHP	ACTIVE	COMMUNITY	300
2400039	HANSON PARK MHP	ACTIVE	COMMUNITY	126
2400040	HOLLY LYNN MOBILE HOME COURT	INACTIVE	COMMUNITY	80
2400041	COUNTRY VILLAGE MHP	ACTIVE	COMMUNITY	140
2400042	BEECHCREST MHP	ACTIVE	COMMUNITY	33
2400043	PLEASANT VIEW MHP	ACTIVE	COMMUNITY	75
2400044	R KASHMER MOBILEHOME PARK	INACTIVE	COMMUNITY	8
2400045	AQUA PA SHICKSHINNY APACHE	ACTIVE	COMMUNITY	140
2400046	COUNTRY ESTATES MHP	ACTIVE	COMMUNITY	33
2400047	BEECH MOUNTAIN LAKES	INACTIVE	COMMUNITY	3,930
2400048	CONYNGHAM WATER CO	ACTIVE	COMMUNITY	1,932

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Table 2.3-37 Drinking Water Wells Used for Public Water Supplies, Luzerne and Columbia Counties

PWSID	SYSTEM NAME	STATUS	SYSTEM TYPE	POPULATION SERVED
2400049	EVERGREEN MHP	ACTIVE	COMMUNITY	140
2400050	COUNTRY PINE ESTATES	ACTIVE	COMMUNITY	90
2400051	VALLEY VIEW MHP	ACTIVE	COMMUNITY	846
2400052	DALLAS MHP	ACTIVE	COMMUNITY	65
2400053	AQUA PA HEX ACRES	ACTIVE	COMMUNITY	278
2400054	FREELAND BORO MUNI WATER AUTH	ACTIVE	COMMUNITY	4,610
2400055	MAPLE LANE ESTATE	ACTIVE	COMMUNITY	200
2400056	WHITEBREAD WATER CO	INACTIVE	COMMUNITY	50
2400057	KAWON INC D. YANUZZI OPER MAN	INACTIVE	COMMUNITY	90
2400060	SWEET VALLEY MHP	ACTIVE	COMMUNITY	43
2400063	WHIPPORWILL MHP	ACTIVE	COMMUNITY	25
2400064	SLEEPY HOLLOW MOBILE HOME PARK	INACTIVE	COMMUNITY	21
2400066	AQUA PA WAPWALLOPEN	ACTIVE	COMMUNITY	239
2400067	AQUA PA TAMBUR	ACTIVE	COMMUNITY	110
2400068	HYLAND MHP	ACTIVE	COMMUNITY	70
2400070	PAWC HILLCREST	ACTIVE	COMMUNITY	125
2400072	PAWC HOMESITE	ACTIVE	COMMUNITY	55
2400073	BROWN MANOR	ACTIVE	COMMUNITY	91
2400074	GRANDVIEW WATER COMPANY	INACTIVE	COMMUNITY	300
2400075	PARKWAY WCO.	INACTIVE	COMMUNITY	750
2400076	UNITED WATER PA DALLAS	ACTIVE	COMMUNITY	5,113
2400078	AQUA PA FOREST PARK	ACTIVE	COMMUNITY	335
2400079	AQUA PA PENN LAKE	ACTIVE	COMMUNITY	70
2400081	MOCANAQUA WATER COMPANY	INACTIVE	COMMUNITY	960
2400082	OVERBROOK WATER COMPANY	ACTIVE	COMMUNITY	298
2400083	AQUA PA APPLEWOOD	ACTIVE	COMMUNITY	82
2400084	HADDONFIELD HILLS WATER CO.	INACTIVE	COMMUNITY	40
2400085	AQUA PA BARRETT	ACTIVE	COMMUNITY	150
2400086	INDIAN SPRINGS WATER CO	ACTIVE	COMMUNITY	133
2400089	AQUA PA GARBUSH	ACTIVE	COMMUNITY	160
2400090	SCI DALLAS	ACTIVE	COMMUNITY	2,488
2400091	UNITED WATER PA SHAVERTOWN	ACTIVE	COMMUNITY	3,035
2400092	PAWC SHAVERTOWN/KINGSTON W. CO	INACTIVE	COMMUNITY	323
2400093	AQUA PA MEADOWCREST	INACTIVE	COMMUNITY	1,000
2400095	AQUA PA OAKHILL	ACTIVE	COMMUNITY	486
2400096	TOWN & COUNTRY MANOR ASSOC	ACTIVE	COMMUNITY	76
2400101	AQUA PA RHODES TERRACE	ACTIVE	COMMUNITY	50
2400102	AQUA PA WARDEN PLACE	ACTIVE	COMMUNITY	275
2400103	UNITED WATER PA HARVEY'S LAKE	ACTIVE	COMMUNITY	200
2400104	AQUA PA MIDWAY SYSTEM	ACTIVE	COMMUNITY	1,793
2400105	MIDAY MANOR HARRIS HILL	INACTIVE	COMMUNITY	75
2400107	ORCHARD EAST WATER ASSOC	ACTIVE	COMMUNITY	100
2400108	AQUA PA WHITE HAVEN	ACTIVE	COMMUNITY	1,200
2400109	WHITE HAVEN CENTER	ACTIVE	COMMUNITY	620

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Table 2.3-37 Drinking Water Wells Used for Public Water Supplies, Luzerne and Columbia Counties

PWSID	SYSTEM NAME	STATUS	SYSTEM TYPE	POPULATION SERVED
2400110	COUNTRY CLUB APTS	ACTIVE	COMMUNITY	240
2400111	AQUA PA LAUREL LAKES VILLAGE	ACTIVE	COMMUNITY	380
2400113	ORCHARD WEST WATER ASSOC.	ACTIVE	COMMUNITY	90
2400114	BEECH MOUNTAIN	ACTIVE	COMMUNITY	1,375
2400115	MEADOWS COMPLEX	ACTIVE	COMMUNITY	280
2400116	FRITZINGERTOWN SR LIV COMM #1	ACTIVE	COMMUNITY	66
2400117	BUTLER VALLEY MANOR	ACTIVE	COMMUNITY	90
2400118	BEAR CREEK HEALTH CARE CENTER	INACTIVE	COMMUNITY	36
2400119	MAPLE HILL MANOR	INACTIVE	COMMUNITY	26
2400120	MOUNTAINSIDE MANOR	INACTIVE	COMMUNITY	60
2400121	LAKEVIEW TERRACE ASSN	INACTIVE	COMMUNITY	150
2400122	NORTH LAKE WATER TRUST	INACTIVE	COMMUNITY	25
2400123	HICKORY LANE MANOR	INACTIVE	COMMUNITY	38
2400124	MEADOWS 1 NEWBERRY ESTATES	INACTIVE	COMMUNITY	50
2400125	AQUA PA SUNRISE ESTATES	ACTIVE	COMMUNITY	162
2400126	VALLEY GORGE MOBILE HOME PARK	ACTIVE	COMMUNITY	58
2400128	SUTTON HILLS LTD	ACTIVE	COMMUNITY	210
2400129	LAUREL PERSONAL CARE CENTER	INACTIVE	COMMUNITY	60
2400131	FERNWOOD MANOR	ACTIVE	COMMUNITY	26
2400132	WOODHAVEN WATER COMPANY	INACTIVE	COMMUNITY	47
2400134	CHERONES MOBILEHOME PARK	INACTIVE	COMMUNITY	74
2400135	AQUA PA CEDAR LANE	INACTIVE	COMMUNITY	98
2400136	SANDY RUN ASSOC	ACTIVE	COMMUNITY	47
2400138	MISERICORDIA UNIVERSITY	INACTIVE	COMMUNITY	1,400
2400139	FRITZINGERTOWN SR LIV COMM #2	ACTIVE	COMMUNITY	118
2400140	SAND SPRINGS	ACTIVE	COMMUNITY	630
2400141	SLEEPY HOLLOW	ACTIVE	COMMUNITY	45
2400142	HILLSIDE CONDOMINIUMS	ACTIVE	COMMUNITY	50
2400143	ZACKS ROCK GLEN MANOR	ACTIVE	COMMUNITY	36
2400144	AQUA PA ST JOHNS ESTATES	ACTIVE	COMMUNITY	75
2400145	SISTERS OF MERCY	ACTIVE	COMMUNITY	135
2400146	PROVIDENCE PLACE OF HAZLETON	ACTIVE	COMMUNITY	140
2400147	AQUA PA GREENBRIAR	ACTIVE	COMMUNITY	28
2400300	ANNA'S PLACE	INACTIVE	TRANSIENT NONCOMM	40
2400301	SMITTY'S MIDWAY	ACTIVE	TRANSIENT NONCOMM	50
2400302	MARGLE'S RESTAURANT	INACTIVE	TRANSIENT NONCOMM	40
2400303	SALLY PURSELL'S COUNTRY INN	ACTIVE	TRANSIENT NONCOMM	25
2400304	SUGARLOAF GOLF CLUB	ACTIVE	TRANSIENT NONCOMM	75
2400305	MEL ROE'S RESTAURANT	ACTIVE	TRANSIENT NONCOMM	100
2400306	LAKEVIEW LOG CABIN	INACTIVE	TRANSIENT NONCOMM	25
2400307	SHADY REST RESTAURANT & BAR	INACTIVE	TRANSIENT NONCOMM	100
2400308	DAMENTIS RESTAURANT	ACTIVE	TRANSIENT NONCOMM	50
2400309	STAGE COACH INN	ACTIVE	TRANSIENT NONCOMM	30
2400310	ANGELA PARK	INACTIVE	TRANSIENT NONCOMM	85

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Table 2.3-37 Drinking Water Wells Used for Public Water Supplies, Luzerne and Columbia Counties

PWSID	SYSTEM NAME	STATUS	SYSTEM TYPE	POPULATION SERVED
2400311	VALLEY HOTEL	INACTIVE	TRANSIENT NONCOMM	50
2400312	SUN VALLEY DINER	INACTIVE	TRANSIENT NONCOMM	100
2400313	EVANS ROADHOUSE	ACTIVE	TRANSIENT NONCOMM	55
2400314	DANOS BAR	ACTIVE	TRANSIENT NONCOMM	25
2400316	PARTNER'S LOUNGE	INACTIVE	TRANSIENT NONCOMM	30
2400318	MOUNTAINVIEW RESTAURANT	INACTIVE	TRANSIENT NONCOMM	230
2400319	BUTLER TWP FIRE CO	ACTIVE	TRANSIENT NONCOMM	40
2400320	SNYDERS BACKSTREET PUB	ACTIVE	TRANSIENT NONCOMM	35
2400321	PLANET POCONO	ACTIVE	TRANSIENT NONCOMM	25
2400322	RED BARN INC	ACTIVE	TRANSIENT NONCOMM	25
2400323	WILKES BARRE MUNIC GOLF COURSE	ACTIVE	TRANSIENT NONCOMM	225
2400324	INDIAN TRAIL INN	INACTIVE	TRANSIENT NONCOMM	25
2400325	GIULIANOS RESTAURANT INC	INACTIVE	TRANSIENT NONCOMM	170
2400326	BEAR CREEK INNE	ACTIVE	TRANSIENT NONCOMM	60
2400327	CASINO COUNTRYSIDE INN	ACTIVE	TRANSIENT NONCOMM	44
2400328	KNOTTY PINE INN	INACTIVE	TRANSIENT NONCOMM	70
2400329	JOSEPH AND FLORENCE ROMANOSKI	INACTIVE	TRANSIENT NONCOMM	40
2400330	VALLEY COUNTRY CLUB	INACTIVE	NONTRANSIENT NONCOMM	100
2400331	TOP OF THE 90'S	INACTIVE	TRANSIENT NONCOMM	100
2400332	VALLEY BOWLING LANES	ACTIVE	TRANSIENT NONCOMM	70
2400333	DONAHUE'S FROGTOWNE GRILL	ACTIVE	TRANSIENT NONCOMM	60
2400334	SUGARLOAF FIRE DEPT WATER SYS	INACTIVE	TRANSIENT NONCOMM	50
2400335	SUGARLOAF INN INC	INACTIVE	TRANSIENT NONCOMM	75
2400336	SUNSET GRILLE	INACTIVE	TRANSIENT NONCOMM	50
2400337	DORRANCE INN	ACTIVE	TRANSIENT NONCOMM	25
2400338	THE RUSTIC TAVERN	INACTIVE	TRANSIENT NONCOMM	25
2400339	ST JAMES EVANGELIST LUTHERAN	INACTIVE	TRANSIENT NONCOMM	25
2400340	SQUIGS PLACE	ACTIVE	TRANSIENT NONCOMM	25
2400341	LILY LAKE HOTEL	ACTIVE	TRANSIENT NONCOMM	25
2400342	SLOCUM RESTAURANT	INACTIVE	TRANSIENT NONCOMM	25
2400343	ALBERDEEN INN	ACTIVE	TRANSIENT NONCOMM	25
2400344	SLOCUM TWP MEM VFW POST 7918	INACTIVE	TRANSIENT NONCOMM	40
2400345	UNITED CHURCH OF CHRIST	INACTIVE	TRANSIENT NONCOMM	25
2400346	ST MARYS CHURCH	INACTIVE	TRANSIENT NONCOMM	25
2400347	ST PETERS EVANGELIST CHURCH	INACTIVE	TRANSIENT NONCOMM	25
2400348	ROSSI BAR AND RESTAURANT	INACTIVE	TRANSIENT NONCOMM	90
2400349	DORRANCE SUNOCO	ACTIVE	TRANSIENT NONCOMM	100
2400350	CHESTER F AND HELEN MICA	INACTIVE	TRANSIENT NONCOMM	50
2400351	AMER LEGION MTN POST 781	ACTIVE	TRANSIENT NONCOMM	25
2400354	JILLY'S	INACTIVE	TRANSIENT NONCOMM	100
2400355	TRAILS END RESTAURANT	ACTIVE	TRANSIENT NONCOMM	50
2400356	SPENCER'S WESTERN CAFE	ACTIVE	TRANSIENT NONCOMM	30
2400357	RICKETTS GLEN HOTEL	ACTIVE	TRANSIENT NONCOMM	100
2400358	RICKETTS GLEN STATE PARK	ACTIVE	TRANSIENT NONCOMM	950

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Table 2.3-37 Drinking Water Wells Used for Public Water Supplies, Luzerne and Columbia Counties

PWSID	SYSTEM NAME	STATUS	SYSTEM TYPE	POPULATION SERVED
2400360	DEER OAK LOUNGE	ACTIVE	TRANSIENT NONCOMM	50
2400361	JOSEPH DERVINIS DERVINS REST	INACTIVE	TRANSIENT NONCOMM	35
2400362	ZELL AND ER'S	INACTIVE	TRANSIENT NONCOMM	45
2400363	GOOD'S CAMPGROUND	ACTIVE	TRANSIENT NONCOMM	35
2400364	NEW BACK MOUNTAIN BOWL	ACTIVE	TRANSIENT NONCOMM	150
2400366	HANSON'S LAKESHORE CAMPGROUND	INACTIVE	TRANSIENT NONCOMM	65
2400367	DALLAS SENIOR HIGH SCHOOL	ACTIVE	NONTRANSIENT NONCOMM	637
2400368	DALLAS SCH DIST ADMIN BLDG	ACTIVE	NONTRANSIENT NONCOMM	50
2400369	LAKE LEHMAN HIGH SCHOOL	ACTIVE	NONTRANSIENT NONCOMM	750
2400370	LEHMAN JACKSON ELEMENTARY	ACTIVE	NONTRANSIENT NONCOMM	875
2400371	LAKE LEHMAN JR. HIGH SCHOOL	INACTIVE	NONTRANSIENT NONCOMM	475
2400372	SWEET VALLEY GOLF COURSE	INACTIVE	TRANSIENT NONCOMM	60
2400373	RACE'S PIZZA BARN	INACTIVE	TRANSIENT NONCOMM	50
2400374	ROSS ELEMENTARY SCHOOL	ACTIVE	NONTRANSIENT NONCOMM	130
2400375	LAKE-NOXEN ELEMENTARY SCHOOL	ACTIVE	NONTRANSIENT NONCOMM	450
2400377	HUNLOCK CREEK TAVERN	ACTIVE	TRANSIENT NONCOMM	50
2400378	O'HAWLEY'S BAR & GRILL	INACTIVE	TRANSIENT NONCOMM	80
2400379	JIM MIL	ACTIVE	TRANSIENT NONCOMM	65
2400380	VILLAGE TAVERN	ACTIVE	TRANSIENT NONCOMM	25
2400382	GROFF'S GROVE	INACTIVE	TRANSIENT NONCOMM	25
2400384	COUNTRY GENTLEMAN	ACTIVE	TRANSIENT NONCOMM	200
2400387	HUNLOCK CREEK VOL FIRE DEPT	ACTIVE	TRANSIENT NONCOMM	30
2400388	LAKESIDE PIZZERIA & DELI	ACTIVE	TRANSIENT NONCOMM	60
2400389	DOC'S PIZZA & SUBS	INACTIVE	TRANSIENT NONCOMM	25
2400390	JOHNNY'S	INACTIVE	TRANSIENT NONCOMM	25
2400391	G WHITTAKERS	INACTIVE	TRANSIENT NONCOMM	100
2400392	NINOS PIZZA PAPPYS PLACE	ACTIVE	TRANSIENT NONCOMM	50
2400393	AMERICAN LEGION POST 495	ACTIVE	TRANSIENT NONCOMM	50
2400394	NORTHWEST SENIOR HIGH SCHOOL	ACTIVE	NONTRANSIENT NONCOMM	650
2400395	HUNTINGTON MILLS ELEM. SCHOOL	ACTIVE	NONTRANSIENT NONCOMM	410
2400396	HUNLOCK ELEMENTARY SCHOOL	ACTIVE	NONTRANSIENT NONCOMM	375
2400397	RED BARN CAFE	INACTIVE	TRANSIENT NONCOMM	125
2400399	PRIME TIME RESTAURANT	INACTIVE	TRANSIENT NONCOMM	25
2400401	BIG B DRIVE IN	ACTIVE	TRANSIENT NONCOMM	125
2400402	DANNYS	ACTIVE	TRANSIENT NONCOMM	25
2400403	THE OFFICE OF LEE VALLEY	ACTIVE	TRANSIENT NONCOMM	25
2400404	MORGAN HILLS GOLF COURSE	ACTIVE	TRANSIENT NONCOMM	35
2400406	TC RILEYS	ACTIVE	TRANSIENT NONCOMM	60
2400407	FRANCES SLOCUM STATE PARK	ACTIVE	TRANSIENT NONCOMM	2,000
2400408	IREM COUNTRY CLUB	ACTIVE	NONTRANSIENT NONCOMM	800
2400409	SHADYSIDE TAVERN	ACTIVE	TRANSIENT NONCOMM	30
2400410	BEAUMONT INN	INACTIVE	TRANSIENT NONCOMM	50
2400413	SPORTSMAN'S BAR	ACTIVE	TRANSIENT NONCOMM	30
2400414	SUNFLOWER SPROUTS LEARNING CTR	ACTIVE	TRANSIENT NONCOMM	30

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Table 2.3-37 Drinking Water Wells Used for Public Water Supplies, Luzerne and Columbia Counties

PWSID	SYSTEM NAME	STATUS	SYSTEM TYPE	POPULATION SERVED
2400415	MARINA CAFE	INACTIVE	TRANSIENT NONCOMM	50
2400416	SANDY BEACH INN %MR.BEDELACH	INACTIVE	TRANSIENT NONCOMM	25
2400417	JOHN BANIS THE DOG HOUSE	INACTIVE	TRANSIENT NONCOMM	40
2400418	PINE BROOK INN INC	INACTIVE	TRANSIENT NONCOMM	30
2400420	JAMES O MCGAFFREY	INACTIVE	TRANSIENT NONCOMM	25
2400421	RICH & CHARLOTTE'S	ACTIVE	TRANSIENT NONCOMM	30
2400422	MA MA GUILIANI'S PASTA HOUSE	INACTIVE	TRANSIENT NONCOMM	200
2400423	COLLEGE MISERICORDIA	ACTIVE	NONTRANSIENT NONCOMM	1,400
2400424	ROLLAWAY	ACTIVE	TRANSIENT NONCOMM	125
2400426	BILL'S CAFE	INACTIVE	TRANSIENT NONCOMM	40
2400427	NELL RINKEN RINKEN CAFE	INACTIVE	TRANSIENT NONCOMM	40
2400428	CASTLE INN	ACTIVE	TRANSIENT NONCOMM	50
2400429	COSCIA'S HIGHLANDS AT NEWBERRY	ACTIVE	TRANSIENT NONCOMM	100
2400430	NEWBERRY ESTATE HOMEOWNERS	ACTIVE	TRANSIENT NONCOMM	50
2400431	OVERBROOK RESTAURANT	INACTIVE	TRANSIENT NONCOMM	25
2400434	FARMERS INN	ACTIVE	TRANSIENT NONCOMM	35
2400435	HOLIDAY HOUSE-JEWISH COMM.CTR.	ACTIVE	TRANSIENT NONCOMM	50
2400437	LEHMAN GOLF CLUB	ACTIVE	TRANSIENT NONCOMM	25
2400439	SHELDONS LUNCH	ACTIVE	TRANSIENT NONCOMM	50
2400440	OUTPOST INN	ACTIVE	TRANSIENT NONCOMM	50
2400441	ELEANOR JONES--JONES CAFE	INACTIVE	TRANSIENT NONCOMM	40
2400443	WILLIAM H EVANS REFRESH STAND	INACTIVE	TRANSIENT NONCOMM	30
2400445	REDMOND'S TAVERN	INACTIVE	TRANSIENT NONCOMM	25
2400446	SARAH J DYMOND ELEM SCHOOL	ACTIVE	NONTRANSIENT NONCOMM	240
2400447	TWIN OAKS GOLF COURSE	ACTIVE	TRANSIENT NONCOMM	50
2400448	JENNIE F KUDERKA FANTIS PARK	INACTIVE	TRANSIENT NONCOMM	40
2400449	APPLE TREE HOUSE	ACTIVE	TRANSIENT NONCOMM	50
2400451	CARRIAGE STOP INN INC	INACTIVE	TRANSIENT NONCOMM	100
2400452	BEAR CREEK COMM CHARTER SCH	ACTIVE	NONTRANSIENT NONCOMM	300
2400453	PLEASURE DOME	ACTIVE	TRANSIENT NONCOMM	30
2400454	KIRBY EPISCOPAL HOUSE	ACTIVE	TRANSIENT NONCOMM	25
2400455	LAUREL RUN INN	INACTIVE	TRANSIENT NONCOMM	25
2400456	COSENZA PIZZERIA	ACTIVE	TRANSIENT NONCOMM	25
2400457	JOSEPH SPANO SPANOS DRIVE IN	INACTIVE	TRANSIENT NONCOMM	80
2400458	COUNTRY PUB	ACTIVE	TRANSIENT NONCOMM	25
2400459	THE INN AT NUANGOLA	INACTIVE	TRANSIENT NONCOMM	75
2400460	RICE ELEMENTARY SCHOOL	ACTIVE	NONTRANSIENT NONCOMM	838
2400461	UNI MART DRUMS	ACTIVE	TRANSIENT NONCOMM	550
2400462	DRUMS ELEMENTARY SCHOOL	INACTIVE	NONTRANSIENT NONCOMM	390
2400463	ANNE MCLAUGHLIN'S CHILD CARE	ACTIVE	NONTRANSIENT NONCOMM	50
2400464	ROCK GLEN JR.HIGH SCHOOL	INACTIVE	NONTRANSIENT NONCOMM	300
2400465	NUANGOLA BORO FIRE DEPT ASSN	INACTIVE	TRANSIENT NONCOMM	25
2400466	SORRELLS PIZZA %WALTER SORRELL	INACTIVE	TRANSIENT NONCOMM	25
2400467	NATHANS FAMILY RESTAURANT	INACTIVE	TRANSIENT NONCOMM	250

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Table 2.3-37 Drinking Water Wells Used for Public Water Supplies, Luzerne and Columbia Counties

PWSID	SYSTEM NAME	STATUS	SYSTEM TYPE	POPULATION SERVED
2400470	POCO HAVEN INN	INACTIVE	TRANSIENT NONCOMM	25
2400471	FOUR FELLAS BAR & GRILL	ACTIVE	TRANSIENT NONCOMM	50
2400472	CHARLIE WEAVER'S BAR & REST.	ACTIVE	TRANSIENT NONCOMM	50
2400473	INDEPENDENT EXPLOSIVES CO	INACTIVE	TRANSIENT NONCOMM	76
2400474	AMERICAN ASPHALT	INACTIVE	NONTRANSIENT NONCOMM	50
2400475	PA STATE UNIVERSITY W B CAMPUS	INACTIVE	NONTRANSIENT NONCOMM	700
2400477	KAREN MFG. CO. INC.	INACTIVE	NONTRANSIENT NONCOMM	60
2400479	CLEARBROOK LODGE	ACTIVE	TRANSIENT NONCOMM	65
2400480	L & P BERWICK	ACTIVE	NONTRANSIENT NONCOMM	102
2400481	BARONS SUNOCO GAS STATION	INACTIVE	TRANSIENT NONCOMM	30
2400482	TEXACO FOOD MART	INACTIVE	TRANSIENT NONCOMM	70
2400483	ARONSON MFG CORP	INACTIVE	TRANSIENT NONCOMM	75
2400484	VALLEY WOOD PRODUCTS	INACTIVE	TRANSIENT NONCOMM	30
2400485	ECONO LODGE	ACTIVE	TRANSIENT NONCOMM	35
2400487	BFB AMERICA	INACTIVE	NONTRANSIENT NONCOMM	98
2400491	LIBERTY MART	INACTIVE	TRANSIENT NONCOMM	300
2400492	KELLY SERVICE STATION	INACTIVE	TRANSIENT NONCOMM	50
2400493	GOLDSWORTHY COUNTRY STORE	INACTIVE	TRANSIENT NONCOMM	200
2400494	FIRLEY GARAGE	INACTIVE	TRANSIENT NONCOMM	30
2400495	LURGAN CORP	INACTIVE	TRANSIENT NONCOMM	25
2400496	SHINERS SERVICE STATION	INACTIVE	TRANSIENT NONCOMM	50
2400501	CAMP ORCHARD HILL	ACTIVE	TRANSIENT NONCOMM	100
2400502	BARBACCI GROVE	ACTIVE	TRANSIENT NONCOMM	25
2400504	TRUCKSVILLE FREE METHODIST CH.	INACTIVE	TRANSIENT NONCOMM	50
2400505	FIRST ASSEMBLY OF GOD CHURCH %	INACTIVE	TRANSIENT NONCOMM	90
2400506	EAST DALLAS METHODIST %	INACTIVE	TRANSIENT NONCOMM	70
2400507	WILKES BARRE FREE METHODI CAMP	INACTIVE	TRANSIENT NONCOMM	100
2400509	ALPERSON UNITED METH CHURCH	INACTIVE	TRANSIENT NONCOMM	100
2400511	ST FRANCIS CABRINI CHURCH	INACTIVE	TRANSIENT NONCOMM	100
2400512	CARVERTON UNITED METHODIST	INACTIVE	TRANSIENT NONCOMM	90
2400513	NOON TEXACO GAS STATION %	INACTIVE	TRANSIENT NONCOMM	45
2400516	LEHMAN UNITED METHODIST CHURCH	INACTIVE	TRANSIENT NONCOMM	25
2400517	HUNTSVILLE CHRISTIAN CHURCH	ACTIVE	TRANSIENT NONCOMM	100
2400521	CAMP PATTERSON GROVE	ACTIVE	TRANSIENT NONCOMM	300
2400522	ST.MARTHA'S CHURCH % REV.	INACTIVE	TRANSIENT NONCOMM	500
2400523	NEW HIDDEN LAKE CAMPGROUND	ACTIVE	TRANSIENT NONCOMM	150
2400524	CALVARY BIBLE CHAPEL	ACTIVE	NONTRANSIENT NONCOMM	68
2400525	MOON LAKE PARK	ACTIVE	TRANSIENT NONCOMM	500
2400526	PAPPY'S PONDEROSA	INACTIVE	TRANSIENT NONCOMM	25
2400527	SAINT CHRISTOPHER CHURCH	INACTIVE	TRANSIENT NONCOMM	200
2400528	KRUMSKY SERVICE STATION	INACTIVE	TRANSIENT NONCOMM	200
2400530	BEAR CREEK CAMP	ACTIVE	TRANSIENT NONCOMM	235
2400531	ST ELIZABETH R CATHOLIC CHURCH	INACTIVE	TRANSIENT NONCOMM	500
2400532	WILKES BARRE TWP SETTLEMENT CP	ACTIVE	TRANSIENT NONCOMM	25

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Table 2.3-37 Drinking Water Wells Used for Public Water Supplies, Luzerne and Columbia Counties

PWSID	SYSTEM NAME	STATUS	SYSTEM TYPE	POPULATION SERVED
2400533	COBOSCO SERVICE STA J COBOSCO	INACTIVE	TRANSIENT NONCOMM	40
2400534	CHARNEY MARKET GAS STATION	INACTIVE	TRANSIENT NONCOMM	60
2400536	UNITED METHODIST CHURCH %	INACTIVE	TRANSIENT NONCOMM	100
2400537	SANDY VALLEY CAMPGROUND	ACTIVE	TRANSIENT NONCOMM	35
2400538	ST.PAUL'S UNITED METHODIST CH.	ACTIVE	TRANSIENT NONCOMM	60
2400539	PHILHARMONIC WORKSHOP	INACTIVE	TRANSIENT NONCOMM	45
2400540	SEVENTH DAY ADVENTIST CHURCH	INACTIVE	TRANSIENT NONCOMM	25
2400541	HAZLETON WILKES BARRE KOA CAMP	INACTIVE	TRANSIENT NONCOMM	250
2400542	CAMP DAVIDOWITZ JEWISH COM CNT	INACTIVE	TRANSIENT NONCOMM	50
2400543	MOYERS GROVE CAMPGROUND	ACTIVE	TRANSIENT NONCOMM	165
2400544	THE CAMP AT WAPWALLOPEN	INACTIVE	TRANSIENT NONCOMM	25
2400545	SHERWOOD FOREST CAMPGROUND	INACTIVE	TRANSIENT NONCOMM	25
2400546	LOOKOUT HOUSE	ACTIVE	TRANSIENT NONCOMM	25
2400547	SACRED HEART R CATHOLIC CHURCH	INACTIVE	TRANSIENT NONCOMM	100
2400548	PENNDOT DISTRICT OFFICE NO 4	INACTIVE	TRANSIENT NONCOMM	1,000
2400800	NORTH LAKE WATER TRUST	INACTIVE	NONTRANSIENT NONCOMM	42
2400802	LAKEVIEW TERRACE	INACTIVE	NONTRANSIENT NONCOMM	38
2400803	BEAR CREEK HEALTH CARE CTR.	INACTIVE	TRANSIENT NONCOMM	32
2400804	NATIVE TEXTILE	INACTIVE	NONTRANSIENT NONCOMM	160
2400806	HUMBOLDT INDUSTRIAL PARK	ACTIVE	NONTRANSIENT NONCOMM	3,000
2400807	IDETOWN UNITED METHODIST CHURC	INACTIVE	TRANSIENT NONCOMM	65
2400809	MOTOR VU DRIVE IN	INACTIVE	TRANSIENT NONCOMM	300
2400810	HAZLETON DRIVE-IN THEATER	INACTIVE	TRANSIENT NONCOMM	100
2400812	RANCH HOUSE LOUNGE	INACTIVE	TRANSIENT NONCOMM	50
2400813	EDGEWOOD PINES GOLF CLUB	ACTIVE	TRANSIENT NONCOMM	150
2400814	VALLEYBROOK INN	INACTIVE	TRANSIENT NONCOMM	50
2400815	SONNY'S INN	INACTIVE	TRANSIENT NONCOMM	50
2400816	CASCADES % DONALD P MACAR	INACTIVE	TRANSIENT NONCOMM	50
2400817	VILLAGE HOMESTYLE BAKE SHOP	INACTIVE	TRANSIENT NONCOMM	50
2400818	HARVEYS LAKE PUB	INACTIVE	TRANSIENT NONCOMM	50
2400819	T.J.'S LAKESIDE	INACTIVE	TRANSIENT NONCOMM	50
2400822	OUT OF TOWN INN	INACTIVE	TRANSIENT NONCOMM	50
2400823	TOM'S KITCHEN	ACTIVE	TRANSIENT NONCOMM	225
2400824	UNI MART	ACTIVE	TRANSIENT NONCOMM	400
2400825	SHINDIG INN	ACTIVE	TRANSIENT NONCOMM	50
2400826	ST MARYS CHURCH & HALL	INACTIVE	TRANSIENT NONCOMM	50
2400827	HESS'S COUNTRY CONE	INACTIVE	TRANSIENT NONCOMM	25
2400828	SAFETY REST AREA SITE #39	ACTIVE	TRANSIENT NONCOMM	860
2400829	SAFETY REST AREA SITE #53	ACTIVE	TRANSIENT NONCOMM	840
2400830	SAFTEY REST AREA SITE #54	ACTIVE	TRANSIENT NONCOMM	840
2400831	PENN DOT LUZ CO MAINT FAC.	INACTIVE	NONTRANSIENT NONCOMM	30
2400832	PENNDOT-SITE 34 PRIM SAFE REST	INACTIVE	TRANSIENT NONCOMM	100
2400833	NESCOPECK STATE PARK	INACTIVE	TRANSIENT NONCOMM	100
2400835	JCC DAY CAMP RT 415	ACTIVE	TRANSIENT NONCOMM	45

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Table 2.3-37 Drinking Water Wells Used for Public Water Supplies, Luzerne and Columbia Counties

PWSID	SYSTEM NAME	STATUS	SYSTEM TYPE	POPULATION SERVED
2400836	JOHN HEINZ REHAB	ACTIVE	TRANSIENT NONCOMM	40
2400837	RED ROCK CAMPGROUND	INACTIVE	TRANSIENT NONCOMM	100
2400838	LILY LAKE STORE	INACTIVE	TRANSIENT NONCOMM	100
2400839	CULVER LABOR CAMP	INACTIVE	TRANSIENT NONCOMM	54
2400840	RED ROOSTER	ACTIVE	TRANSIENT NONCOMM	80
2400841	TECH PACKAGING	ACTIVE	NONTRANSIENT NONCOMM	120
2400842	DON'S MARKET 1 PASTIE LADY	INACTIVE	TRANSIENT NONCOMM	125
2400843	PP&L RECREATIONAL AREA	INACTIVE	TRANSIENT NONCOMM	50
2400844	VALLEY HOUSE % RICHARD REES	INACTIVE	TRANSIENT NONCOMM	75
2400845	LI'L SICILY PIZZA	INACTIVE	TRANSIENT NONCOMM	25
2400846	FOOTHILLS	INACTIVE	TRANSIENT NONCOMM	50
2400847	J & R LUNCHEONETTE	INACTIVE	TRANSIENT NONCOMM	40
2400848	GOULDS SUPERMARKET	ACTIVE	TRANSIENT NONCOMM	500
2400849	FRIEDMAN'S EXPRESS INC.	INACTIVE	NONTRANSIENT NONCOMM	130
2400850	THE BRITTANY HOUSE	INACTIVE	TRANSIENT NONCOMM	50
2400851	BURGER KING RESTAURANT	ACTIVE	TRANSIENT NONCOMM	900
2400852	HAZLE TOWNSHIP COMMUNITY PARK	ACTIVE	TRANSIENT NONCOMM	25
2400853	UNIMART 94338	ACTIVE	TRANSIENT NONCOMM	700
2400854	COUNTRY CARRY OUTS	INACTIVE	TRANSIENT NONCOMM	50
2400855	HICKORY CORNERS	INACTIVE	TRANSIENT NONCOMM	100
2400856	TRIPLE B STEAKS & MORE	INACTIVE	TRANSIENT NONCOMM	600
2400857	SUNSET GROCERY	INACTIVE	TRANSIENT NONCOMM	60
2400858	CARMEN'S COUNTRY INN	ACTIVE	TRANSIENT NONCOMM	200
2400859	STEWARTS DRIVE IN	ACTIVE	TRANSIENT NONCOMM	500
2400860	MILLER'S BAR	ACTIVE	TRANSIENT NONCOMM	25
2400861	KG % GEORGE YUHAS	INACTIVE	TRANSIENT NONCOMM	500
2400862	COUNTRYSIDE QUIK MART	ACTIVE	TRANSIENT NONCOMM	50
2400863	NEW EVERGREEN SPEEDWAY	INACTIVE	TRANSIENT NONCOMM	350
2400864	DRUMS FUEL STOP WATER SYS	INACTIVE	TRANSIENT NONCOMM	600
2400865	DALLAS DAIRY % J.YENASON	INACTIVE	TRANSIENT NONCOMM	25
2400866	VERIZON COMMUNICATIONS	ACTIVE	TRANSIENT NONCOMM	41
2400867	FERNBROOK GUEST HOME	INACTIVE	NONTRANSIENT NONCOMM	25
2400868	HARVEYS LAKE PFC ACCESS AREA	ACTIVE	TRANSIENT NONCOMM	200
2400869	TRAILING PINE CAMPGROUND	INACTIVE	TRANSIENT NONCOMM	25
2400870	CLEARBROOK MANOR	ACTIVE	NONTRANSIENT NONCOMM	75
2400871	DALLAS SHOPPING CENTER	ACTIVE	NONTRANSIENT NONCOMM	2,000
2400872	VILLA ROMA	ACTIVE	TRANSIENT NONCOMM	100
2400873	COMMONWEALTH TELEPHONE CO. %	INACTIVE	TRANSIENT NONCOMM	150
2400874	CHILDREN'S LEARNING CENTER %	INACTIVE	TRANSIENT NONCOMM	30
2400875	TOKYO JAPANESE CUISINE	INACTIVE	TRANSIENT NONCOMM	63
2400876	OLD CANNERY MINI MART	INACTIVE	TRANSIENT NONCOMM	20
2400877	RACE'S PIZZA BARN	INACTIVE	TRANSIENT NONCOMM	50
2400878	LENAHANS RESTAURANT	ACTIVE	TRANSIENT NONCOMM	35
2400879	LEAVE IT TO BEAVERS	INACTIVE	TRANSIENT NONCOMM	25

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Table 2.3-37 Drinking Water Wells Used for Public Water Supplies, Luzerne and Columbia Counties

PWSID	SYSTEM NAME	STATUS	SYSTEM TYPE	POPULATION SERVED
2400880	GOLDY'S MINI MART	INACTIVE	TRANSIENT NONCOMM	250
2400881	BRENNAN'S STEAKS & SAAKE	INACTIVE	TRANSIENT NONCOMM	25
2400882	FAITH UNITED METHODIST CHURCH	INACTIVE	TRANSIENT NONCOMM	25
2400883	HARVEY'S LAKE YACHT CLUB	ACTIVE	TRANSIENT NONCOMM	50
2400884	FARMER'S CO-OP	INACTIVE	TRANSIENT NONCOMM	28
2400885	FORKS CLUB AND BISTRO	ACTIVE	TRANSIENT NONCOMM	50
2400886	ZOLA'S LAMP POST	ACTIVE	TRANSIENT NONCOMM	25
2400887	GUS GENETTI HOTEL & RESTAURANT	ACTIVE	NONTRANSIENT NONCOMM	350
2400888	309 & 415 PLAZA	INACTIVE	TRANSIENT NONCOMM	145
2400890	CHATTERBOX SPORTS BAR	INACTIVE	TRANSIENT NONCOMM	25
2400891	BROTHERS SHIMS	ACTIVE	TRANSIENT NONCOMM	25
2400893	J & J DELI & BAKERY	INACTIVE	TRANSIENT NONCOMM	75
2400894	HILLSIDE FARMS DAIRY	ACTIVE	TRANSIENT NONCOMM	200
2400895	SOUTHDALE CAMP	INACTIVE	TRANSIENT NONCOMM	49
2400896	CONYNGHAM CHILDREN'S ACADEMY	INACTIVE	TRANSIENT NONCOMM	40
2400897	ROCK GLEN PARK & POOL COMPLEX	ACTIVE	TRANSIENT NONCOMM	25
2400898	CAMP KRESGE ON BEAVER LAKE	ACTIVE	TRANSIENT NONCOMM	40
2400899	MEATING HOUSE	ACTIVE	TRANSIENT NONCOMM	35
2400900	THE SURF AND TURF CLUB	INACTIVE	TRANSIENT NONCOMM	100
2400901	UNI MART MOUNTAINTOP	ACTIVE	TRANSIENT NONCOMM	500
2400902	LESANTE'S PLACE	INACTIVE	TRANSIENT NONCOMM	25
2400903	DYMOND'S FARM MARKET	ACTIVE	TRANSIENT NONCOMM	100
2400904	KNOTTY PINE CAFE	INACTIVE	TRANSIENT NONCOMM	25
2400905	LOU'S PIZZA & DELI	INACTIVE	TRANSIENT NONCOMM	25
2400906	VALLEY TENNIS & SWIM CLUB	ACTIVE	TRANSIENT NONCOMM	200
2400907	JEBBON MFG CORP	INACTIVE	NONTRANSIENT NONCOMM	54
2400908	OFFSET PAPER BACK MFGS. INC.	INACTIVE	NONTRANSIENT NONCOMM	560
2400910	TURKEY HILL STORE #180	ACTIVE	TRANSIENT NONCOMM	350
2400911	PENN MART PIKES CREEK	ACTIVE	TRANSIENT NONCOMM	150
2400912	PP & L'S CONSTRUCTION DEPT.	INACTIVE	NONTRANSIENT NONCOMM	40
2400913	ARBY'S	INACTIVE	TRANSIENT NONCOMM	1,600
2400914	SLOCUM DELI	INACTIVE	TRANSIENT NONCOMM	25
2400915	FARMER'S C0-OP DAIRY INC	INACTIVE	NONTRANSIENT NONCOMM	39
2400917	KARCHNER REF. SERVICE INC.	ACTIVE	TRANSIENT NONCOMM	25
2400919	HAZLE PARK PACKING	ACTIVE	NONTRANSIENT NONCOMM	50
2400920	J L MARKET	ACTIVE	TRANSIENT NONCOMM	115
2400921	LOOKOUT MOTOR LODGE	ACTIVE	TRANSIENT NONCOMM	25
2400922	PANTRY QUIK	ACTIVE	TRANSIENT NONCOMM	291
2400923	MOUNTAIN SPEEDWAY	INACTIVE	TRANSIENT NONCOMM	200
2400924	FAHRINGER'S MARKET	INACTIVE	TRANSIENT NONCOMM	440
2400925	RITTENHOUSE PLACE WATER SYS	ACTIVE	NONTRANSIENT NONCOMM	279
2400926	PEN MART SUBWAY	ACTIVE	TRANSIENT NONCOMM	50
2400927	SMALL WONDERS DAY CARE	INACTIVE	NONTRANSIENT NONCOMM	45
2400928	PALUCK'S FOOD CONCESSION'S	INACTIVE	TRANSIENT NONCOMM	25

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Table 2.3-37 Drinking Water Wells Used for Public Water Supplies, Luzerne and Columbia Counties

PWSID	SYSTEM NAME	STATUS	SYSTEM TYPE	POPULATION SERVED
2400929	MAPLE KNOLL WATER ASSOCIATION	INACTIVE	NONTRANSIENT NONCOMM	82
2400930	CROSSROADS COUNTRY STORE	INACTIVE	TRANSIENT NONCOMM	50
2400931	93 PLAZA	INACTIVE	TRANSIENT NONCOMM	60
2400932	LAKEVIEW MANOR	INACTIVE	NONTRANSIENT NONCOMM	25
2400933	RED ROCK GENERAL STORE	ACTIVE	TRANSIENT NONCOMM	50
2400934	PETRO QUICK	ACTIVE	TRANSIENT NONCOMM	25
2400935	AMERICAS BEST VALUE INN	ACTIVE	TRANSIENT NONCOMM	35
2400936	PIZZA BOYZ	INACTIVE	TRANSIENT NONCOMM	50
2400937	BACK M MOUNTAIN MEDICAL CENTER	INACTIVE	TRANSIENT NONCOMM	55
2400938	PPL WEST BUILDING	ACTIVE	TRANSIENT NONCOMM	35
2400939	CEASE TERRACE WATER ASSOC	ACTIVE	TRANSIENT NONCOMM	40
2400940	COUNCIL CUP CAMPGROUND	ACTIVE	TRANSIENT NONCOMM	25
2400941	PILOT TRAVEL CENTER #298	ACTIVE	TRANSIENT NONCOMM	400
2400942	JONES PANCAKE HOUSE	INACTIVE	TRANSIENT NONCOMM	150
2400943	CARONE'S SUPERMARKET	INACTIVE	TRANSIENT NONCOMM	100
2400944	MICKEY'S GOLF CENTER	ACTIVE	TRANSIENT NONCOMM	125
2400945	MOTOR AGE	INACTIVE	TRANSIENT NONCOMM	30
2400946	COOKS VARIETY STORE	ACTIVE	TRANSIENT NONCOMM	75
2400947	LAUREL RESTAURANT	INACTIVE	TRANSIENT NONCOMM	30
2400948	ANDY'S MINI MARKET	ACTIVE	TRANSIENT NONCOMM	160
2400949	GEORGE ERNST MEMORIAL POOL	ACTIVE	TRANSIENT NONCOMM	150
2400950	THE HARDING TAVERN	INACTIVE	TRANSIENT NONCOMM	28
2400951	MUHLENBURG GENERAL STORE	INACTIVE	TRANSIENT NONCOMM	26
2400952	VALLEY VIEW HOTEL	INACTIVE	TRANSIENT NONCOMM	45
2400953	COOLBAUGH GULF FOOD MART	ACTIVE	TRANSIENT NONCOMM	40
2400954	MOUNTAIN FRESH SUPERMARKET	ACTIVE	TRANSIENT NONCOMM	100
2400956	SITKO'S BARN	ACTIVE	TRANSIENT NONCOMM	60
2400957	JACKIES RESTAURANT AND DELI	ACTIVE	TRANSIENT NONCOMM	25
2400958	HUNTSVILLE GOLF CLUB	ACTIVE	TRANSIENT NONCOMM	400
2400959	MARYS RESTAURANT	ACTIVE	TRANSIENT NONCOMM	108
2400960	REDS SUBS & PIZZA	ACTIVE	TRANSIENT NONCOMM	100
2400961	LUZERNE COUNTY FAIRGROUNDS	ACTIVE	TRANSIENT NONCOMM	1,000
2400962	ROD'S DELI	ACTIVE	TRANSIENT NONCOMM	45
2400963	GERRIE'S FITNESS CENTER	ACTIVE	TRANSIENT NONCOMM	100
2400964	SUGARLOAF TWP MUNIC BUILDING	ACTIVE	TRANSIENT NONCOMM	25
2400965	THE CHR AC OF GR IND BAP CH SL	INACTIVE	TRANSIENT NONCOMM	60
2400966	BROWNS SNACKS AND MORE	INACTIVE	TRANSIENT NONCOMM	25
2400967	CHECKERBOARD INN	ACTIVE	TRANSIENT NONCOMM	50
2400968	OUR COUNTRY SPOT	INACTIVE	TRANSIENT NONCOMM	10
2400970	SONRAE MARKET	ACTIVE	TRANSIENT NONCOMM	30
2400971	RAINBOW HILL SCHOOL	ACTIVE	NONTRANSIENT NONCOMM	34
2400972	INDIAN LAKE INN	ACTIVE	TRANSIENT NONCOMM	25
2400973	UNIMART DALLAS	ACTIVE	TRANSIENT NONCOMM	150
2400974	TURNPIKE MOBIL	ACTIVE	TRANSIENT NONCOMM	50

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Table 2.3-37 Drinking Water Wells Used for Public Water Supplies, Luzerne and Columbia Counties

PWSID	SYSTEM NAME	STATUS	SYSTEM TYPE	POPULATION SERVED
2400975	BLUE RIDGE PLAZA	ACTIVE	TRANSIENT NONCOMM	100
2400976	PAMELAS	ACTIVE	TRANSIENT NONCOMM	60
2400978	SUNRISE RESTAURANT	ACTIVE	TRANSIENT NONCOMM	25
2400979	BALIETS COUNTRY CORNERS STORE	ACTIVE	TRANSIENT NONCOMM	400
2400980	RED ROCK MINI MART	INACTIVE	TRANSIENT NONCOMM	200
2400981	3J'S PIZZA	INACTIVE	TRANSIENT NONCOMM	25
2400982	BEAR CREEK CAFE	ACTIVE	TRANSIENT NONCOMM	25
2400983	SMITHS MKT	ACTIVE	TRANSIENT NONCOMM	30
2400984	GOOD TIME GOLF	INACTIVE	TRANSIENT NONCOMM	25
2400985	PUMP N PANTRY PIKES CREEK	ACTIVE	TRANSIENT NONCOMM	250
2400986	SUN HWA KOREAN BBQ RESTAURANT	ACTIVE	TRANSIENT NONCOMM	100
2400987	COMMUNITY BIBLE CHURCH	INACTIVE	NONTRANSIENT NONCOMM	50
2400988	ROSSICK'S SOUTH MOUNTAIN DELI	INACTIVE	TRANSIENT NONCOMM	100
2400989	GROWING YEARS CHILD CARE CTR	ACTIVE	NONTRANSIENT NONCOMM	83
2400990	COMET FOOD MART	ACTIVE	TRANSIENT NONCOMM	125
2400991	BLUE RIDGE TRAIL GOLF CLUB	ACTIVE	TRANSIENT NONCOMM	100
2400992	SANDY BEACH INN	INACTIVE	TRANSIENT NONCOMM	100
2400993	KUNKLE FIRE CO.SOCIAL HALL	INACTIVE	TRANSIENT NONCOMM	50
2400994	PPL SUSQUEHANNA S&A WELLS	ACTIVE	NONTRANSIENT NONCOMM	2,200
2400995	RIVERLANDS RECREATION CENTER	ACTIVE	TRANSIENT NONCOMM	504
2400996	CREW QUARTERS BEACH HAVEN PP&L	INACTIVE	TRANSIENT NONCOMM	35
2400997	SUSQUEHANNA-SIMULATOR BLD PP&L	INACTIVE	TRANSIENT NONCOMM	50
2400999	PPL ENERGY INFORMATION CENTER	ACTIVE	TRANSIENT NONCOMM	50
2401000	TWIST N' SHAKE	ACTIVE	TRANSIENT NONCOMM	100
2401001	BLUE RIDGE PIZZA AND SUBS	ACTIVE	TRANSIENT NONCOMM	50
2401002	UNI MART BEAR CREEK	ACTIVE	TRANSIENT NONCOMM	400
2401003	J & N MINI MART	ACTIVE	TRANSIENT NONCOMM	500
2401004	POND HILL LILY LAKE FIRE CLUB	INACTIVE	TRANSIENT NONCOMM	25
2401005	SWIRES COUNTRY MARKET & DELI	INACTIVE	TRANSIENT NONCOMM	75
2401006	STREAMSIDE INN	INACTIVE	TRANSIENT NONCOMM	100
2401007	PIKES CREEK BEVERAGE	ACTIVE	TRANSIENT NONCOMM	100
2401008	SCATTONS RESTAURANT	ACTIVE	TRANSIENT NONCOMM	25
2401009	FOUR CORNERS MARKET & DELI	ACTIVE	TRANSIENT NONCOMM	26
2401010	NEW DRUMS ELEMENTARY SCHOOL	ACTIVE	NONTRANSIENT NONCOMM	400
2401011	WENDYS RESTAURANT DRUMS	ACTIVE	TRANSIENT NONCOMM	1,000
2401012	KISHBAUGHS GENERAL STORE	INACTIVE	TRANSIENT NONCOMM	150
2401013	MARIANNE S HANIFY CATERING	INACTIVE	TRANSIENT NONCOMM	25
2401019	SAND SPRINGS GOLF COURSE	INACTIVE	TRANSIENT NONCOMM	75
2401020	VESUVIOS PIZZERIA	ACTIVE	TRANSIENT NONCOMM	100
2401021	CAN DO CORPORATE CENTER	ACTIVE	COMMUNITY	300
2401022	THE ICE HOUSE PUB	ACTIVE	TRANSIENT NONCOMM	25
2401023	STONE MEADOWS GOLF COURSE	INACTIVE	TRANSIENT NONCOMM	200
2401024	THE MORRIS FAMILY MARKET	INACTIVE	TRANSIENT NONCOMM	50
2401025	BIG TEN SUBS AND PIZZA	ACTIVE	TRANSIENT NONCOMM	50

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Table 2.3-37 Drinking Water Wells Used for Public Water Supplies, Luzerne and Columbia Counties

PWSID	SYSTEM NAME	STATUS	SYSTEM TYPE	POPULATION SERVED
2401026	BERYL ANNS BAKERY	INACTIVE	TRANSIENT NONCOMM	25
2401027	EDIBLE ART	INACTIVE	TRANSIENT NONCOMM	25
2401028	TOBYS CREEK ANTIQUES	INACTIVE	TRANSIENT NONCOMM	50
2401029	VFW 6615	ACTIVE	TRANSIENT NONCOMM	25
2401030	ITS A LIFESAVER	ACTIVE	TRANSIENT NONCOMM	25
2401031	VALLEY BROOK ARCADE	INACTIVE	TRANSIENT NONCOMM	25
2401032	ROCK RECREATION CENTER	ACTIVE	TRANSIENT NONCOMM	71
2401033	C J CITGO & SONS	INACTIVE	TRANSIENT NONCOMM	50
2401034	APPLEWOOD GOLF COURSE	ACTIVE	TRANSIENT NONCOMM	50
2401035	HOT DIGGITTY DOG	ACTIVE	TRANSIENT NONCOMM	25
2401036	FINE EUROPEAN CATERING	INACTIVE	TRANSIENT NONCOMM	25
2401038	ST PAULS LUTHERAN CHURCH	ACTIVE	TRANSIENT NONCOMM	200
2401039	COUNTRY PLACE RETREAT	ACTIVE	TRANSIENT NONCOMM	25
2401040	HARVEYS LAKE COUNTRY STORE	ACTIVE	TRANSIENT NONCOMM	3
2401041	ST JOHNS DELI	INACTIVE	TRANSIENT NONCOMM	25
2401042	DELI CAFE	INACTIVE	TRANSIENT NONCOMM	25
2401047	NESCOPECK STATE PARK	ACTIVE	TRANSIENT NONCOMM	50
2401048	LAKE SILKWORTH SEAFOOD	ACTIVE	TRANSIENT NONCOMM	5
2401050	PROSHOT BASKETBALL CAMP	INACTIVE	TRANSIENT NONCOMM	250
2401051	SORBERS CATERING	ACTIVE	TRANSIENT NONCOMM	2
2401052	KATHYS SUBS	INACTIVE	TRANSIENT NONCOMM	25
2401053	JANETS KRAZY KONE	ACTIVE	TRANSIENT NONCOMM	25
2401054	NOTHING BUT DUMPLINGS	INACTIVE	TRANSIENT NONCOMM	25
2401055	SWEET VALLEY DO IT BEST HOTDOG	INACTIVE	TRANSIENT NONCOMM	25
2401056	SUSIES BAKED GOODIES	INACTIVE	TRANSIENT NONCOMM	25
2401057	PAST PRESENT FUTURE CUISINE	ACTIVE	TRANSIENT NONCOMM	25
2401058	CHILDRENS WONDERLAND	ACTIVE	NONTRANSIENT NONCOMM	60
2401059	ROSIES KITCHEN	ACTIVE	TRANSIENT NONCOMM	25
2401060	1 2 3 SCOOPS	ACTIVE	TRANSIENT NONCOMM	25
2401061	FC HARMONY PCH	ACTIVE	NONTRANSIENT NONCOMM	26
2401062	PARADISE CAMPGROUND	ACTIVE	TRANSIENT NONCOMM	25
2401063	PATIO BAR AND GRILL	INACTIVE	TRANSIENT NONCOMM	25
2401065	SHADY RILL FARM & BAKERY	ACTIVE	TRANSIENT NONCOMM	25
2401066	WHEELS BAR AND GRILL	ACTIVE	TRANSIENT NONCOMM	25
2401067	HOLY PROTECTION MONASTERY	ACTIVE	TRANSIENT NONCOMM	25
2401068	LIBERTY EXXON	ACTIVE	TRANSIENT NONCOMM	25
2401070	COOKIES CAFE	ACTIVE	TRANSIENT NONCOMM	25
2401071	THE BENJAMIN HARVEY INN	INACTIVE	TRANSIENT NONCOMM	1
2406006	GLEN SUMMIT SPRINGS WATER	ACTIVE	BOTTLED WATER	5,500
2406035	THREE SPRINGS BOTTLED WATER	ACTIVE	BOTTLED WATER	3,500
2406233	TAYLOR SPRINGS BOTTLED WATER	INACTIVE	BOTTLED WATER	3,500
2406258	MONROE BOTTLING CO	ACTIVE	BOTTLED WATER	3,500
2406272	SUTTON SPRINGS	ACTIVE	BOTTLED WATER	555
2406424	SAND SPRINGS	INACTIVE	BULK WATER HAULER	25

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Table 2.3-37 Drinking Water Wells Used for Public Water Supplies, Luzerne and Columbia Counties

PWSID	SYSTEM NAME	STATUS	SYSTEM TYPE	POPULATION SERVED
2406498	TULPEHOCKEN SPRINGS WATER CO	ACTIVE	BULK WATER HAULER	5,000
2406524	HAZLETON AREA WATER CO	ACTIVE	BULK WATER HAULER	25
2406545	WHITE HAVEN MOUNTAIN SPRINGS	ACTIVE	BULK WATER HAULER	25
2408006	HAZLETON CITY AUTH WATER DEPT.	INACTIVE	COMMUNITY	1,975
2408007	HCA DELANO PARK PLACE	ACTIVE	COMMUNITY	1,017
2408009	HAZLETON CITY AUTH WATER DEPT.	INACTIVE	COMMUNITY	1,083
2408010	HAZLETON CITY AUTH WATER DEPT.	INACTIVE	COMMUNITY	642
2408011	HCA TOMHICKEN	ACTIVE	COMMUNITY	123
2408012	HCA DERRINGER FERN GLEN	ACTIVE	COMMUNITY	276
2450920	BLUE RIDGE REAL ESTATE OFFICE	INACTIVE	TRANSIENT NONCOMM	25
Columbia County				
4190002	NUTAITIS MOBILE HOME PARK	INACTIVE	COMMUNITY	19
4190004	BELLWOOD TRAILER COURT	INACTIVE	COMMUNITY	15
4190005	BERLIN'S MOBILE HOME PARK	INACTIVE	COMMUNITY	31
4190006	HIDDEN HEIGHTS MOBILE HOME PK.	INACTIVE	COMMUNITY	84
4190007	J M MOBILE HOME PK %J&M REALTY	INACTIVE	COMMUNITY	42
4190010	BREECHS MOBILE HOME PARK	INACTIVE	COMMUNITY	28
4190011	CATAWISSA MUNICIPAL WATER AUTH	ACTIVE	COMMUNITY	1,580
4190012	ORANGEVILLE MUNICIPAL WATER AU	ACTIVE	COMMUNITY	480
4190013	PA AMERICAN WATER BERWICK	ACTIVE	COMMUNITY	16,000
4190015	WONDERVIEW WATER CO	ACTIVE	COMMUNITY	320
4190016	MIFFLIN TWP MA	ACTIVE	COMMUNITY	900
4190018	SCENIC KNOLLS	INACTIVE	COMMUNITY	140
4190019	BROOKSIDE VILLAGE MHP	ACTIVE	COMMUNITY	475
4190020	STONY BROOK CIRCLE MHP	ACTIVE	COMMUNITY	400
4190021	MOUNTAIN VIEW ESTATES	ACTIVE	COMMUNITY	80
4190024	RIDGECREST HOMES	INACTIVE	COMMUNITY	150
4190025	LEHET TRAILER COURT	INACTIVE	COMMUNITY	25
4190026	BALANCED CARE AT BLOOMSBURG II	ACTIVE	COMMUNITY	60
4190282	NEWHARTS MOBILE HOME PARK	INACTIVE	COMMUNITY	30
4190283	BERLIN'S TRAILER COURT	INACTIVE	COMMUNITY	25
4190284	CREEKSIDE HEALTH CARE CENTER	INACTIVE	COMMUNITY	36
4190285	ORANGEVILLE N & R CENTER	ACTIVE	COMMUNITY	118
4190286	HELLER'S MOBILE HOME PARK	ACTIVE	COMMUNITY	47
4190287	COUNTRY ESTATE COURT	INACTIVE	COMMUNITY	60
4190288	OUTLOOK PT COMM AT EYERS GROVE	INACTIVE	COMMUNITY	60
4190289	HERITAGE HILLSIDE ESTATES	ACTIVE	COMMUNITY	90
4190290	CLOSSEN MOBILE HOME PARK	INACTIVE	COMMUNITY	32
4190291	COUNTRY ACRES MOBILE HOME PARK	INACTIVE	COMMUNITY	42
4190293	KARNES TRAILER COURT	INACTIVE	COMMUNITY	25
4190294	BRIAR CREEK MANOR	INACTIVE	COMMUNITY	75
4190295	MATRIX DEVELOPMENT INC.	INACTIVE	COMMUNITY	59
4190296	PLEASANT VIEW ESTATES	ACTIVE	COMMUNITY	390
4190297	WALTERS MOBILE HOME COURT	INACTIVE	COMMUNITY	23

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Table 2.3-37 Drinking Water Wells Used for Public Water Supplies, Luzerne and Columbia Counties

PWSID	SYSTEM NAME	STATUS	SYSTEM TYPE	POPULATION SERVED
4190298	COUNTRY TERRACE ESTATES	ACTIVE	COMMUNITY	61
4190300	CENTRAL PARK HOTEL	ACTIVE	TRANSIENT NONCOMM	25
4190301	JAMISON CITY HOTEL	ACTIVE	TRANSIENT NONCOMM	25
4190302	ELK GROVE INN	ACTIVE	TRANSIENT NONCOMM	25
4190304	WATER WHEEL CAMPGROUND	INACTIVE	TRANSIENT NONCOMM	450
4190305	3 SPRINGS LAKE CAMPGROUND	INACTIVE	TRANSIENT NONCOMM	45
4190306	WHISPERING PINES CAMPING EST	ACTIVE	TRANSIENT NONCOMM	55
4190307	HICKORY JOE'S	INACTIVE	TRANSIENT NONCOMM	25
4190308	NEWHARTS MOBILE HOME PARK	INACTIVE	COMMUNITY	5
4190309	DIGGERS DIVERSION	ACTIVE	TRANSIENT NONCOMM	25
4190311	CREEKSIDE FAMILY RESTAURANT	ACTIVE	TRANSIENT NONCOMM	25
4190313	STREVIGS RESTAURANT	ACTIVE	TRANSIENT NONCOMM	25
4190314	THE INN UNDER	ACTIVE	TRANSIENT NONCOMM	25
4190316	THE STANLEY CENTER	ACTIVE	NONTRANSIENT NONCOMM	70
4190317	DEIHL'S CAMPING RESORT	ACTIVE	TRANSIENT NONCOMM	100
4190318	HERITAGE HOUSE FAMILY REST	ACTIVE	TRANSIENT NONCOMM	25
4190320	BECKY'S PLACE	ACTIVE	TRANSIENT NONCOMM	25
4190321	DENNY'S	INACTIVE	TRANSIENT NONCOMM	25
4190322	THE INN AT BUCKHORN	INACTIVE	TRANSIENT NONCOMM	120
4190323	NUTAITIS INN	INACTIVE	TRANSIENT NONCOMM	25
4190324	OLYMPIC FLAME DINER	INACTIVE	TRANSIENT NONCOMM	75
4190325	SCOREBOARD SPORTS TAVERN	ACTIVE	TRANSIENT NONCOMM	25
4190326	WONDER YEARS PRESCHOOL	ACTIVE	NONTRANSIENT NONCOMM	25
4190327	COBBLESTONE INN	ACTIVE	TRANSIENT NONCOMM	25
4190328	BURGER KING	INACTIVE	TRANSIENT NONCOMM	25
4190329	HUD'S RESTAURANT	INACTIVE	TRANSIENT NONCOMM	25
4190330	ROMEO'S DRIVE IN	INACTIVE	TRANSIENT NONCOMM	25
4190332	COLUMBIA MONTOUR AREA VO TECH	INACTIVE	NONTRANSIENT NONCOMM	741
4190333	TENNY TOWN MOTEL	ACTIVE	TRANSIENT NONCOMM	40
4190334	KEMLER'S RESTAURANT	ACTIVE	TRANSIENT NONCOMM	25
4190335	RED MAPLE MOTEL	INACTIVE	TRANSIENT NONCOMM	30
4190336	TAPS SPORTS BAR & GRILL	ACTIVE	TRANSIENT NONCOMM	25
4190337	ZEPHYR DINER	INACTIVE	TRANSIENT NONCOMM	250
4190340	HASKELL TRAILER COURT	INACTIVE	COMMUNITY	40
4190341	FRAN'S DAIRY BAR	ACTIVE	TRANSIENT NONCOMM	25
4190343	HOTEL IOLA	ACTIVE	TRANSIENT NONCOMM	25
4190345	BASSETT'S	ACTIVE	TRANSIENT NONCOMM	25
4190346	PARADISE ISLE	INACTIVE	TRANSIENT NONCOMM	25
4190349	MAY'S DRIVE IN	ACTIVE	TRANSIENT NONCOMM	25
4190351	STONE CASTLE MOTEL	ACTIVE	TRANSIENT NONCOMM	80
4190352	CATAWISSA AMERICAN LEGION	ACTIVE	TRANSIENT NONCOMM	25
4190353	TOM'S FAMILY RESTAURANT	ACTIVE	TRANSIENT NONCOMM	25
4190355	LAKE GLORY CAMPSITES	ACTIVE	TRANSIENT NONCOMM	80
4190356	BOB'S DAIRY BAR	INACTIVE	TRANSIENT NONCOMM	200

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Table 2.3-37 Drinking Water Wells Used for Public Water Supplies, Luzerne and Columbia Counties

PWSID	SYSTEM NAME	STATUS	SYSTEM TYPE	POPULATION SERVED
4190357	THE LARIAT	INACTIVE	TRANSIENT NONCOMM	75
4190360	SOUTHERN COLUMBIA AREA SCHOOL	ACTIVE	NONTRANSIENT NONCOMM	1,650
4190361	J & D CREE MEE FREEZE	ACTIVE	TRANSIENT NONCOMM	25
4190363	CATACOVE CAMPGROUND	INACTIVE	TRANSIENT NONCOMM	100
4190364	SCOTCH VALLEY RESTAURANT	ACTIVE	TRANSIENT NONCOMM	25
4190365	KEYSERS CAFE	INACTIVE	TRANSIENT NONCOMM	25
4190368	LIGHTSTREET HOTEL	ACTIVE	TRANSIENT NONCOMM	25
4190369	TRAVEL CENTERS OF AMERICA	INACTIVE	NONTRANSIENT NONCOMM	100
4190370	DEL MONTE CORPORATION	ACTIVE	NONTRANSIENT NONCOMM	600
4190372	ROLLING PINES GOLF COURSE	ACTIVE	TRANSIENT NONCOMM	25
4190377	JERSEYTOWN TAVERN	ACTIVE	TRANSIENT NONCOMM	25
4190378	WALTERS MOBILE HOME COURT	INACTIVE	COMMUNITY	45
4190379	TURNERS HIGH VIEW CAMPING AREA	ACTIVE	TRANSIENT NONCOMM	92
4190381	CAMP LAVIGNE	ACTIVE	TRANSIENT NONCOMM	150
4190383	GRASSMERE PARK CAMPGROUND	ACTIVE	TRANSIENT NONCOMM	70
4190384	IDEAL PARK	ACTIVE	TRANSIENT NONCOMM	100
4190392	THE VILLAGE INN	ACTIVE	TRANSIENT NONCOMM	25
4190398	KNOEBELS GROVE PARK	ACTIVE	NONTRANSIENT NONCOMM	4,000
4190801	BENTON VFW	ACTIVE	TRANSIENT NONCOMM	25
4190802	PONDUCE FARMS	ACTIVE	TRANSIENT NONCOMM	25
4190803	PENNDOT-SITE 37 MODERN REST AR	ACTIVE	TRANSIENT NONCOMM	800
4190804	PENNDOT-SITE 38 MODERN REST AR	ACTIVE	TRANSIENT NONCOMM	800
4190805	INDIAN HEAD CAMPGROUND	ACTIVE	TRANSIENT NONCOMM	25
4190808	SEASONS DADS	ACTIVE	TRANSIENT NONCOMM	25
4190810	VAL'S SCOOP & SERVE	INACTIVE	TRANSIENT NONCOMM	25
4190811	MADISON COMM.CTR. %	INACTIVE	TRANSIENT NONCOMM	25
4190812	GREENWOOD FRIENDS SCHOOL	ACTIVE	NONTRANSIENT NONCOMM	100
4190815	J & D CAMPGROUND	ACTIVE	TRANSIENT NONCOMM	225
4190816	THE SURGERY CENTER	ACTIVE	TRANSIENT NONCOMM	25
4190817	JDS INN	ACTIVE	TRANSIENT NONCOMM	25
4190819	FOUGHT'S LABOR CAMP	INACTIVE	TRANSIENT NONCOMM	25
4190820	CAMP EPACHISECA	ACTIVE	TRANSIENT NONCOMM	50
4190821	CAMP LOUISE	ACTIVE	TRANSIENT NONCOMM	25
4190822	BRIAR CREEK PARK	ACTIVE	TRANSIENT NONCOMM	25
4190823	BERWICK GOLF CLUB	ACTIVE	TRANSIENT NONCOMM	25
4190824	BER-VAUGHN PARK	ACTIVE	TRANSIENT NONCOMM	25
4190825	BEAVER-MAIN ELEM. SCHOOL	ACTIVE	NONTRANSIENT NONCOMM	131
4190826	ROMIG'S FIVE STAR SALOON	INACTIVE	TRANSIENT NONCOMM	25
4190827	CHINA QUEEN	ACTIVE	TRANSIENT NONCOMM	25
4190828	WEST CREEK GAP CAMPSITES	INACTIVE	TRANSIENT NONCOMM	25
4190830	TERRAPIN'S CANTINA	ACTIVE	TRANSIENT NONCOMM	25
4190831	SHADY REST CAMPGROUND	ACTIVE	TRANSIENT NONCOMM	86
4190832	RIDGWAY'S	INACTIVE	TRANSIENT NONCOMM	25
4190833	PINE PRIMARY CENTER	INACTIVE	NONTRANSIENT NONCOMM	140

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Table 2.3-37 Drinking Water Wells Used for Public Water Supplies, Luzerne and Columbia Counties

PWSID	SYSTEM NAME	STATUS	SYSTEM TYPE	POPULATION SERVED
4190834	BUSTERS OUTBACK BAR & GRILL	ACTIVE	TRANSIENT NONCOMM	25
4190836	MILL RACE GOLF & CAMP. RESORT	ACTIVE	TRANSIENT NONCOMM	25
4190837	TWIN BRIDGES PARK	ACTIVE	TRANSIENT NONCOMM	25
4190838	TIKI LOUNGE	ACTIVE	TRANSIENT NONCOMM	25
4190839	GARDELLO RESTAURANT	ACTIVE	TRANSIENT NONCOMM	25
4190840	UNITED WATER PA COL CO IND PK	ACTIVE	COMMUNITY	138
4190844	INN AT TURKEY HILL	INACTIVE	TRANSIENT NONCOMM	25
4190845	FORT MCCLURE VFW POST 804	INACTIVE	TRANSIENT NONCOMM	25
4190846	BERWICK AREA POOL	ACTIVE	TRANSIENT NONCOMM	25
4190847	BLOOMSBURG STATE POLICE STAT.	INACTIVE	TRANSIENT NONCOMM	25
4190848	WESTERN SIZZLIN STEAK HOUSE	INACTIVE	TRANSIENT NONCOMM	200
4190849	BONANZA FAMILY RESTAURANT	INACTIVE	TRANSIENT NONCOMM	100
4190850	WOLFEY'S PIZZA DEN	INACTIVE	TRANSIENT NONCOMM	25
4190851	MIKEYS ROADHOUSE	INACTIVE	TRANSIENT NONCOMM	25
4190852	PARR'S PIZZA	INACTIVE	TRANSIENT NONCOMM	25
4190853	SUNOCO 2341	INACTIVE	TRANSIENT NONCOMM	25
4190854	SUNOCO A 2343	INACTIVE	TRANSIENT NONCOMM	25
4190855	ARNOLD'S GOLF COURSE	ACTIVE	TRANSIENT NONCOMM	25
4190856	WENDY'S OLD FASH HAMBURGERS	INACTIVE	TRANSIENT NONCOMM	25
4190857	BIG EARL AUTO-TRUCK STOP	INACTIVE	TRANSIENT NONCOMM	100
4190858	PARAGON LABOR CAMP 2.	INACTIVE	TRANSIENT NONCOMM	45
4190859	PARAGON LABOR CAMP 1	INACTIVE	TRANSIENT NONCOMM	56
4190860	RAINBOW HILL SCHOOL	INACTIVE	TRANSIENT NONCOMM	25
4190861	BRASS PELICAN	ACTIVE	TRANSIENT NONCOMM	25
4190862	ECONO LODGE OF BLOOMSBURG	ACTIVE	TRANSIENT NONCOMM	50
4190863	GUMP'S COUNTRY STORE	INACTIVE	TRANSIENT NONCOMM	25
4190864	MONTESSORI CHILDREN'S HOUSE	INACTIVE	NONTRANSIENT NONCOMM	25
4190865	HESS MARKET	ACTIVE	TRANSIENT NONCOMM	25
4190866	RUTH'S	INACTIVE	TRANSIENT NONCOMM	50
4190867	BLOOMSBURG CLINIC	INACTIVE	TRANSIENT NONCOMM	30
4190868	NUMIDIA RACEWAY	INACTIVE	TRANSIENT NONCOMM	25
4190869	LONG JOHN SILVER'S 3655	INACTIVE	TRANSIENT NONCOMM	25
4190870	QUAKER STEAK AND LUBE	ACTIVE	TRANSIENT NONCOMM	25
4190871	COLUMBIA MALL	ACTIVE	NONTRANSIENT NONCOMM	2,000
4190872	J&B COUNTRY STORE	ACTIVE	TRANSIENT NONCOMM	25
4190873	KENTUCKY FRIED CHICKEN	ACTIVE	TRANSIENT NONCOMM	25
4190874	VITAL LIFE	INACTIVE	TRANSIENT NONCOMM	25
4190875	MILLVILLE AMERICAN LEGION	ACTIVE	TRANSIENT NONCOMM	25
4190876	GEISINGER OFFICE BUILDING 2	ACTIVE	NONTRANSIENT NONCOMM	165
4190877	PORKY'S BAR-B-Q	INACTIVE	TRANSIENT NONCOMM	75
4190878	PATRIOT INN	INACTIVE	TRANSIENT NONCOMM	48
4190879	HAMLET'S FAMILY RESTAURANT	INACTIVE	TRANSIENT NONCOMM	150
4190880	SHORT STOP MART	ACTIVE	TRANSIENT NONCOMM	25
4190881	RISHELS FARM MARKET	INACTIVE	TRANSIENT NONCOMM	25

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Table 2.3-37 Drinking Water Wells Used for Public Water Supplies, Luzerne and Columbia Counties

PWSID	SYSTEM NAME	STATUS	SYSTEM TYPE	POPULATION SERVED
4190882	MOUNT ZION FAMILY CAMPGROUND	ACTIVE	TRANSIENT NONCOMM	40
4190883	MELONIE'S KOLD KUP	ACTIVE	TRANSIENT NONCOMM	25
4190884	BENTON RIVERSIDE MARKET	ACTIVE	TRANSIENT NONCOMM	25
4190885	THE PAMPERED PALATE	INACTIVE	TRANSIENT NONCOMM	10
4190886	THE CANNERY STORE	INACTIVE	TRANSIENT NONCOMM	28
4190887	YOST FARM MARKET & DELI	INACTIVE	TRANSIENT NONCOMM	50
4190888	SAM'S GRAND	INACTIVE	TRANSIENT NONCOMM	25
4190889	KLEERDEX CO.	ACTIVE	NONTRANSIENT NONCOMM	93
4190890	BLOOMSBURG CARPET IND., INC.	INACTIVE	NONTRANSIENT NONCOMM	190
4190891	DOMINOS PIZZA	INACTIVE	TRANSIENT NONCOMM	25
4190892	WISE FOODS INC.	ACTIVE	NONTRANSIENT NONCOMM	600
4190893	ROHBACH'S FARM MARKET	INACTIVE	TRANSIENT NONCOMM	25
4190895	DAIRY QUEEN	INACTIVE	TRANSIENT NONCOMM	25
4190896	MAUSTELLER'S MARKET	INACTIVE	TRANSIENT NONCOMM	25
4190897	SUBWAY	INACTIVE	TRANSIENT NONCOMM	25
4190898	CAMP VICTORY	ACTIVE	TRANSIENT NONCOMM	150
4190899	BURGER KING 8697	ACTIVE	TRANSIENT NONCOMM	25
4190900	WENDY'S	ACTIVE	TRANSIENT NONCOMM	25
4190901	BENTON FOUNDRY, INC.	ACTIVE	NONTRANSIENT NONCOMM	175
4190902	TRAVEL CENTERS OF AMER SUBWAY	INACTIVE	TRANSIENT NONCOMM	25
4190903	WELLERS	INACTIVE	TRANSIENT NONCOMM	25
4190904	PENNA STATE POLICE BLOOMSBURG	ACTIVE	TRANSIENT NONCOMM	25
4190905	BLOOMSBURG CHRISTIAN SCHOOL	ACTIVE	NONTRANSIENT NONCOMM	80
4190906	SAW MILL ROAD OFFICE BLDG	ACTIVE	NONTRANSIENT NONCOMM	150
4190907	DIEHL'S COUNTRY GIFTS	INACTIVE	TRANSIENT NONCOMM	25
4190908	UNI MART 4340	INACTIVE	TRANSIENT NONCOMM	25
4190909	NEENA PETROLEUM INC	ACTIVE	TRANSIENT NONCOMM	25
4190910	CRACKER BARREL OLD CT STO 435	INACTIVE	NONTRANSIENT NONCOMM	118
4190911	COLUMBIA CO CHRISTIAN SCHOOL	ACTIVE	NONTRANSIENT NONCOMM	214
4190912	CINEMA CENTER	ACTIVE	TRANSIENT NONCOMM	25
4190913	FRESH N QUIK	ACTIVE	TRANSIENT NONCOMM	25
4190914	BLOOMSBURG SHOPPING CENTER	INACTIVE	TRANSIENT NONCOMM	25
4190915	PORTABELLA CATERING	ACTIVE	TRANSIENT NONCOMM	25
4190916	WINDSOR HEIGHTS CLUBHOUSE	ACTIVE	TRANSIENT NONCOMM	75
4190917	ACORN ACRES CAMPGROUND	ACTIVE	TRANSIENT NONCOMM	25
4190918	RITAS ITALIAN ICE	ACTIVE	TRANSIENT NONCOMM	25
4190919	FAIRTYME FOOD AND FUN	INACTIVE	TRANSIENT NONCOMM	25
4190920	MUSTANG SALLYS	ACTIVE	TRANSIENT NONCOMM	25
4190921	THE BARBQ PIT	INACTIVE	TRANSIENT NONCOMM	25
4190999	PPL ELECTRIC UTILITIES CORP	ACTIVE	NONTRANSIENT NONCOMM	50
4410926	SHULTZ COFFEE HOUSE	INACTIVE	TRANSIENT NONCOMM	40

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Table 2.3-38 Summary of BBNPP Surface Water Data for 2008

Surface Water Parameters[1]	Units	Analytical Reporting Level (RL)[2]	Creeks		Susquehanna River		Average SSES River Data 2002-2006[3]
			Minimum	Maximum	Minimum	Maximum	
Anions							
Chloride	mg/L	5	5.3	15	18	44	23.7
Fluoride	mg/L	1	ND[2]	ND	ND	ND	0.08
Sulfate	mg/L	5	6.3	15	14	35	26.34
Biological Parameters							
Fecal Coliform	FC/100 ml	1	2	1400	5	43	--
Total Coliform[4]	coliform/100 ml	1	>80	>4000	920	4200 est.	--
Chlorophyll a	mg/m^3	2	ND	19	ND	2.8	--
Fecal streptococci	CFU/100 ml	1	ND	5200	3	37	--
General Water Quality Parameters							
Alkalinity as $CaCO_3$	mg/L	1	5.9	29	43	95	59
Bicarbonate Alkalinity as $CaCO_3$	mg/L	1	5.9	29	43	94	70.5
Biological Oxygen Demand (BOD)	mg/L	2	2	6	2	4	--
Carbonaceous Biological Oxygen Demand (CBOD)	mg/L	2	ND	7	ND	2	0.18
Carbonate Alkalinity as $CaCO_3$	mg/L	1	ND	ND	ND	ND	--
Chemical Oxygen Demand (COD)	mg/L	20	ND	21	ND	ND	--
Color	PCU	5	ND	40	ND	15	--
Hardness as calcium carbonate	mg/L	3.3	22	38	65	130	--
Odor	T.O.N.	1	ND	ND	ND	ND	--
HEM (Oil & Grease)	mg/L	5	ND	ND	ND	ND	--
Orthophosphate	mg/L	0.1	ND	ND	ND	ND	--
Phenolphthalein Alkalinity	mg/L	1	ND	ND	ND	ND	0.2
Phosphorus[5]	mg/L	0.1	ND	ND	ND	ND	--
Total Suspended Solids	mg/L	5	ND	43	ND	12	11.7
Total Dissolved Solids	mg/L	5	45	180	110	230	--
Inorganic Chemicals (IOCs)							
Aluminum, Total	mg/L	0.01	0.054	0.26	0.017	0.34	0.24
Aluminum, Dissolved	mg/L	0.2	ND	ND	ND	ND	ND
Antimony, Total	mg/L	0.0005	ND	ND	ND	ND	ND
Arsenic, Total	mg/L	0.001	ND	0.0011	ND	ND	<1.0

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Table 2.3-38 Summary of BBNPP Surface Water Data for 2008

Surface Water Parameters[1]	Units	Analytical Reporting Level (RL)[2]	Creeks		Susquehanna River		Average SSES River Data 2002-2006[3]
			Minimum	Maximum	Minimum	Maximum	
Barium, Total	mg/L	0.002	0.011	0.024	0.027	0.038	0.030
Beryllium, Total	mg/L	0.0004	ND	ND	ND	ND	ND
Cadmium, Total	mg/L	0.0001	ND	ND	ND	ND	ND
Calcium, Total	mg/L	0.5	5.3	9.1	ND	22	26.2
Calcium, Dissolved	mg/L	0.5	5	11	ND	38	26
Chromium, Total	mg/L	0.001	ND	ND	ND	ND	ND
Copper, Total	mg/L	0.001	ND	0.0023	ND	0.002	ND
Copper, Dissolved	mg/L	0.02	ND	ND	ND	ND	ND
Iron, Total	mg/L	0.05	0.057	1.1	0.21	0.8	0.84
Iron, Dissolved	mg/L	0.05	ND	0.56	ND	0.28	0.12
Lead, Total	mg/L	0.0003	ND	0.0016	ND	0.00066	ND
Magnesium, Total	mg/L	0.5	2	3	4	9.9	6.21
Magnesium, Dissolved	mg/L	0.5	1.9	3.2	3.7	11	6.10
Manganese, Total	mg/L	0.002	0.0033	0.53	0.056	0.096	0.107
Manganese, Dissolved	mg/L	0.01	ND	0.52	ND	0.071	0.052
Mercury, Total	mg/L	0.0001	ND	ND	ND	ND	--
Nickel, Total	mg/L	0.0002	0.00068	0.0028	0.0018	0.0027	ND
Potassium, Total	mg/L	0.05	0.74	3.1	1.2	2.5	1.62
Potassium, Dissolved	mg/L	1	ND	3	1.1	3	1.56
Selenium, Total	mg/L	0.0005	ND	ND	ND	ND	ND
Silver, Total	mg/L	0.001	ND	ND	ND	ND	ND
Sodium, Total	mg/L	1	4.3	9.7	11	27	14.3
Sodium, Dissolved	mg/L	1	4	7.6	11	28	14.4
Strontium, Total	mg/L	0.0002	0.026	0.052	0.066	0.18	0.101
Thallium, Total	mg/L	0.0002	ND	ND	ND	ND	ND
Vanadium, Total	mg/L	0.001	ND	ND	ND	ND	<0.001
Zinc, Total	mg/L	0.02	ND	ND	ND	ND	ND
Zinc, Dissolved	mg/L	0.02	ND	ND	ND	ND	ND
Nitrogen-Based Analytes							
Ammonia Nitrogen	mg/L	0.03	0.049	0.28	0.11	0.27	<0.10
Nitrate as N	mg/L	0.5	ND	0.76	ND	0.73	0.84

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Table 2.3-38 Summary of BBNPP Surface Water Data for 2008

Surface Water Parameters[1]	Units	Analytical Reporting Level (RL)[2]	Creeks		Susquehanna River		Average SSES River Data 2002-2006[3]
			Minimum	Maximum	Minimum	Maximum	
Nitrate + Nitrite as N	mg/L	1	ND	ND	ND	ND	--
Nitrite as N	mg/L	0.5	ND	ND	ND	ND	--
Total Kjeldahl Nitrogen	mg/L	0.2	ND	0.81	0.26	0.65	--
Nitrogen, Total	mg/L	0.25	0.59	1.4	0.8	1.2	--
Nitrogen, Organic	mg/L	0.17	ND	0.57	ND	0.41	--
Radionuclides							
Barium-140 (Ba-140)	pCi/L	39[6]	ND	ND	ND	ND	--
Cesium-134 (Cs-134)	pCi/L	13[6]	ND	ND	ND	ND	--
Cesium 137 (Cs-137)	pCi/L	15[6]	ND	ND	ND	ND	--
Cobalt-58 (Co-58)	pCi/L	13[6]	ND	ND	ND	ND	--
Cobalt-60 (Co-60)	pCi/L	15[6]	ND	ND	ND	ND	--
Iodine-131 (I-131)	pCi/L	11[6]	ND	ND	ND	ND	--
Iron-59 (Fe-59)	pCi/L	25[6]	ND	ND	ND	ND	--
Lanthanum-140 (La-140)	pCi/L	15[6]	ND	ND	ND	ND	--
Manganese-54 (Mn-54)	pCi/L	14[6]	ND	ND	ND	ND	--
Niobium-95 (Nb-95)	pCi/L	11[6]	ND	ND	ND	ND	--
Potassium-40 (K-40)	pCi/L	153[6]	ND	ND	ND	ND	--
Tritium (H-3)	pCi/L	313[6]	ND	ND	ND	ND	--
Zinc-65 (Zn-65)	pCi/L	28[6]	ND	ND	ND	ND	--
Zirconium-95 (Zr-95)	pCi/L	23[6]	ND	ND	ND	ND	--
Field Analyses							
Specific Conductance	mS/cm	[7]	0.069	0.130	0.194	0.411	0.234
Dissolved Oxygen	mg/L	[7]	7.70	12.73	7.08	21.30	10.48
pH	SU	[7]	6.63	7.87	6.82	7.80	7.4
Temperature	°C	[7]	2.78	21.35	1.06	27.98	13.16
Turbidity	NTU	[7]	0	16.2	N/R	N/R	9

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Table 2.3-38 Summary of BBNPP Surface Water Data for 2008

Surface Water Parameters[1]	Units	Analytical Reporting Level (RL)[2]	Creeks		Susquehanna River		Average SSES River Data 2002-2006[3]
			Minimum	Maximum	Minimum	Maximum	

Notes:

ND = Not Detected
N/R = Not Run
FC = Fecal Coliforms or Fecal Coliform Colonies
CFU = Colony Forming Units
PCU = Platinum Cobalt Units
T.O.N. = Threshold Odor Number
NTU = Nephelometric Turbidity Unit

(1) Parameters to be analyzed in all four rounds of the investigation.
(2) Presence of analyte below the Analytical Reporting Level (RL) was considered to be "Not Detected." The RL is the lowest concentration at which an analyte can be detected in a sample and its concentration can be reported with a reasonable degree of accuracy and precision. The RL is usually greater than the Method Detection Limit (MDL), the minimum concentration that can be measured and reported with 99% confidence that the value is above zero (25 Pa. Code 16.102(a)(4)). The MDL achieved in a given analysis will vary depending on instrument sensitivity and matrix effects. Since RL for radiological parameters is sample specific, value given is an average.
(3) Water quality data is an average of sample results collected quarterly from 2002 to 2006 for SSES. Samples are from the Susquehanna River samples at a location upstream of the BBNPP site (SSES Control; same as SR-01) (Ecology III, 2007).
(4) Coliform counts indicated as "estimated" represent an approximate bacterial count for that sample.
(5) Phosphorus analysis was performed only in July 2008.
(6) Reporting Level of each radiological parameter is sample and instrument specific, so value given is an average of all RLs for that parameter in surface water for all sampling rounds.
(7) Reporting Level of field analysis parameter is not applicable.

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Table 2.3-39 Summary of BBNPP Ground Water Data for 2008

(Page 1 of 3)

Groundwater Parameters[1]	Units	Analytical Reporting Level (RL)[2, 3]	Glacial Overburden Wells		Bedrock Wells	
			Minimum	Maximum	Minimum	Maximum
Anions						
Chloride	mg/L	5	ND[2]	13	ND	6.3
Fluoride	mg/L	1	ND	ND	ND	ND
Sulfate	mg/L	5	11	43	16	57
Biological Parameters						
Fecal Coliform	FC/100 ml	1	ND	ND	ND	ND
Total Coliform[4]	coliform/100 mL	1	ND	3	ND	11
Fecal streptococci	CFU/100 ml	1	ND	ND	ND	2
General Water Quality Parameters						
Alkalinity as $CaCO_3$	mg/L	1	ND	52	34	110
Bicarbonate Alkalinity as $CaCO_3$	mg/L	1	ND	52	5	110
Biological Oxygen Demand (BOD)	mg/L	2	ND	3	ND	4
Carbon Dioxide, Free	mg/L	1	ND	31	ND	2.8
Carbonaceous Biological Oxygen Demand (CBOD)	mg/L	2	ND	3	ND	4
Chemical Oxygen Demand (COD)	mg/L	20	ND	24	ND	ND
Color	PCU	5	ND	10	ND	25
Hardness as $CaCO_3$	mg/L	3.3	51	100	21	150
Odor	T.O.N.	1	ND	ND	ND	64
Orthophosphate	mg/L	0.1	ND	ND	ND	ND
Phosphorus, Total	mg/L	0.1	ND	ND	ND	ND
Total Suspended Solids	mg/L	5	ND	ND	ND	72
Total Dissolved Solids	mg/L	5	85	170	82	170
Inorganic Chemicals (IOCs)						
Aluminum, Total	mg/L	0.01	ND	0.027	ND	0.1
Antimony, Total	mg/L	0.0005	ND	ND	ND	ND
Arsenic, Total	mg/L	0.001	ND	ND	ND	ND
Barium, Total	mg/L	0.002	0.013	0.064	0.02	0.11
Beryllium, Total	mg/L	0.0004	ND	ND	ND	ND
Cadmium, Total	mg/L	0.0001	ND	ND	ND	ND
Calcium, Total	mg/L	0.5	ND	33	ND	51
Chromium, Total	mg/L	0.001	ND	ND	ND	ND

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Table 2.3-39 Summary of BBNPP Ground Water Data for 2008

(Page 2 of 3)

Groundwater Parameters[1]	Units	Analytical Reporting Level (RL)[2, 3]	Glacial Overburden Wells		Bedrock Wells	
			Minimum	Maximum	Minimum	Maximum
Copper, Total	mg/L	0.001	ND	ND	ND	ND
Iron, Total	mg/L	0.05	ND	2.3	ND	0.36
Lead, Total	mg/L	0.0003	ND	ND	ND	ND
Magnesium, Total	mg/L	0.5	3.2	5.3	0.6	9.2
Manganese, Total	mg/L	0.002	0.014	0.72	0.0023	0.32
Mercury, Total	mg/L	0.0001	ND	ND	ND	ND
Nickel, Total	mg/L	0.0002	0.00046	0.0043	ND	0.0016
Potassium, Total	mg/L	0.05	0.45	1.6	0.42	11
Selenium, Total	mg/L	0.0005	ND	0.0005	ND	ND
Silica	µg/L	1,070	9,760	15,400	11,500	19,700
Silver, Total	mg/L	0.001	ND	ND	ND	ND
Sodium, Total	mg/L	1	2.3	11	9.9	20
Strontium, Total	mg/L	0.0002	0.057	0.13	0.5	1.8
Thallium, Total	mg/L	0.0002	ND	ND	ND	ND
Vanadium, Total	mg/L	0.001	ND	ND	ND	0.0017
Zinc, Total	mg/L	0.02	ND	ND	ND	ND
Nitrogen-Based Analytes						
Ammonia	mg/L	0.03	0.059	0.22	0.16	0.99
Nitrate	mg/L	0.5	ND	5.82	ND	2
Nitrate + Nitrite as N	mg/L	1	ND	5.82	ND	ND
Nitrite	mg/L	0.5	ND	ND	ND	ND
Nitrogen, Organic	mg/L	0.17	ND	0.3	ND	0.4
Radionuclides						
Barium-140 (Ba-140)	pCi/L	42	ND	ND	ND	ND
Cesium-134 (Cs-134)	pCi/L	15	ND	ND	ND	ND
Cesium-137 (Cs-137)	pCi/L	15	ND	ND	ND	ND
Cobalt-58 (Co-58)	pCi/L	13	ND	ND	ND	ND
Cobalt-60 (Co-60)	pCi/L	14	ND	ND	ND	ND
Iron-59 (Fe-59)	pCi/L	25	ND	ND	ND	ND
Lanthanum-140 (La-140)	pCi/L	20	ND	ND	ND	ND
Manganese-54 (Mn-54)	pCi/L	13	ND	ND	ND	ND

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Table 2.3-39 Summary of BBNPP Ground Water Data for 2008

(Page 3 of 3)

Groundwater Parameters[1]	Units	Analytical Reporting Level (RL)[2, 3]	Glacial Overburden Wells		Bedrock Wells	
			Minimum	Maximum	Minimum	Maximum
Niobium-95 (Nb-95)	pCi/L	13	ND	ND	ND	ND
Potassium-40 (K-40)	pCi/L	183	ND	ND	ND	ND
Tritium (H-3)	pCi/L	313	ND	ND	ND	1020
Zinc-65 (Zn-65)	pCi/L	35	ND	ND	ND	ND
Zirconium-95 (Zr-95)	pCi/L	24	ND	ND	ND	ND
Field Analyses						
Specific Conductance	mS/cm	[5]	0.129	0.220	0.133	0.546
Dissolved Oxygen	mg/L	[5]	0.53	7.52	0	0
pH	SU	[5]	5.58	6.86	7.32	11.10
Temperature	°C	[5]	8.43	11.55	10.21	13.35
Turbidity [6]	NTU	[5]	0	5.8	0	2.4

Notes:

n/a = Not Applicable
ND = Not Detected
FC = Fecal Coliforms or Fecal Coliform Colonies
CFU = Colony Forming Units
PCU = Platinum Cobalt Units
T.O.N. = Threshold Odor Number
NTU = nephelometric turbidity unit

(1) Parameters to be analyzed in all four rounds of the investigation.
(2) Presence of analyte below the Analytical Reporting Level (RL) was considered to be "Not Detected." The RL is the lowest concentration at which an analyte can be detected in a sample and its concentration can be reported with a reasonable degree of accuracy and precision. The RL is usually greater than the Method Detection Limit (MDL), the minimum concentration that can be measured and reported with 99% confidence that the value is above zero (25 Pa. Code 16.102(a)(3)). The MDL achieved in a given analysis will vary depending on instrument sensitivity and matrix effects. Since RL for radiological parameters is sample specific, value given is an average.
(3) Reporting Level of each radiological parameter is sample and instrument specific, so value given is an average of all RLs for that parameter in surface water for all sampling rounds.
(4) Coliform counts indicated as "estimated" represent an approximate bacterial count for that sample.
(5) Reporting Level of field analysis parameter is not applicable.
(6) Turbidity MCL is applicable only to unfiltered surface water used for drinking water.

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Table 2.3-40 Organic Chemical and Radiological Parameters[1] Analyzed in Groundwater Samples from BBNPP site, February 2008 [2]

Volatile Organic Chemicals (VOCs)	Synthetic Organic Chemicals (SOCs)
Benzene	Alachlor
Carbon Tetrachloride	Atrazine
o-Dichlorobenzene	Benzo(a)pyrene
p-Dichlorobenzene	Carbofuran
1,2-Dichloroethane	Chlordane
1,1-Dichloroethylene	2,4-D
cis-1,2-Dichloroethylene	Dalapon
trans-1,2-Dichloroethylene	Dibromochloropropane (DBCP)
Dichloromethane	Di(2-ethylhexyl) Adipate
1,2-Dichloropropane	Di(2-ethylhexyl) Phthalate
Ethylbenzene	Dinoseb
Monochlorobenzene	Diquat
Styrene	Endothall
Tetrachloroethylene	Endrin
Toluene	Ethylene dibromide (EDB)
1,2,4-Trichlorobenzene	Glyphosate
1,1,1-Trichloroethane	Heptachlor
1,1,2-Trichloroethane	Heptachlor epoxide
Trichloroethylene	Hexachlorobenzene
Vinyl chloride	Hexachlorocyclopentadiene
Xylenes (Total)	Lindane
	Methoxychlor
	Oxamyl (Vydate)
	PCBs
Radiological Parameters	Pentachlorophenol
Gross Alpha	Picloram
Beta Particle & Photon Activity	Simazine
Combined Radium 226 + Radium 228 [3]	Toxaphene
Uranium	2,4,5-TP (Silvex)

Notes:

(1) All parameters selected are Pennsylvania Drinking Water Standards. Source: Pennsylvania Department of Environmental Protection, Division of Drinking Water Management, Maximum Contaminant Levels (MCLs) & Maximum Residual Disinfectant Levels (MRDLs), 25 Pa. Code § 109.202

(2) Samples were collected from three overburden wells (MW-301A, MW-304A, MW-305A) and one bedrock well (MW-304B) in February 2008. See text for description of limited sampling program.

(3) The MCL for radium is based on the combined analytical results of two isotopes: Radium 226 and Radium 228.

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Table 2.3-41 Summary of Water Quality Data For The Susquehanna River, 1968-1977

Parameter[1]	Number of Samples	Maximum	Minimum	Average
Total suspended solids	174	912.6	1.6	54.8
Total dissolved solids	174	467.4	66.8	192.2
Total mineral solids	174	400.6	66.3	190.3
Specific conductance (ms/cm)	174	0.635	0.098	0.297
Total alkalinity	163	78.0	21.0	43.0
Total hardness	174	279.0	34.5	116.1
Chloride (Cl)	174	32.9	3.6	13.0
Sulfate (SO_4)	174	222.5	12.8	69.1
Nitrate (N)	173	1.67	0.09	0.59
Ammonia (N)	173	0.84	0.00	0.27
Phosphate (PO_4), total	20	1.54	0.04	0.28
Phosphate (PO_4), dissolved	125	0.48	0.00	0.08
Carbon dioxide (CO_2)	54	13.5	3.0	7.3
Bicarbonate (HCO_3)	174	90.3	25.6	52.9
pH (units)	174	8.65	6.6	7.18
Water Temperature (°C)	170	29.4	0.0	12.2
Dissolved oxygen (O_2)	164	15.0+	5.8	10.1
Color (PCU)[2]	173	116.0	0.0	27.4
Turbidity (JTU)[3]	53	170.0	5.2	28.1
Chemical oxygen demand	135	70.8	3.5	15.2
Biochemical oxygen demand	138	6.6	0.10	1.74
Soluble silica (SiO_2)	174	6.25	0.005	3.16
Chlorine demand (1 hr)	101	3.80	0.27	2.07
Sodium (Na)	75	16.7	3.6	8.5
Magnesium (Mg)	174	42.0	1.6	9.3
Calcium (Ca)	174	65.2	11.2	31.3
Sodium and potassium (as Na), by Diff.	99	32.4	0.0	8.7
Potassium (K)	75	2.8	0.39	1.5
Iron (Fe), dissolved	169	2.29	0.0	0.42
Copper (Cu), dissolved	74	0.03	0.0	0.01
Manganese (Mn), dissolved	169	3.45	0.0	0.26
Zinc (Zn), dissolved	74	0.04	0.00	0.23
Aluminum (Al), dissolved	169	0.35	0.00	0.03
Iron (Fe), total	86	17.30	0.15	3.20
Copper (Cu), total	73	0.10	0.00	0.02
Manganese (Mn), total	73	1.37	0.01	0.41
Zinc (Zn), total	73	0.10	0.00	0.03
Aluminum (Al), total	72	9.40	0.08	1.13
Nickel(Ni), total	8	0.04	0.01	0.02
Arsenic (As), total	2	<0.010	<0.010	<0.010
Mercury (Hg), total	2	<0.0002	<0.0002	<0.0002
Lead (Pb), total	2	<0.001	0.000	<0.0001
Nickel (Ni), dissolved	6	0.04	0.000	0.015

(1) Test results in mg/L unless noted otherwise.
(2) PCU = Platinum Cobalt Units
(3) JTU = Jackson Turbidity Units
Reference: NRC (1981)

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Table 2.3-42 Water Quality in the Susquehanna River Between 2002 and 2006 (yearly averages of SSES quarterly data)

Parameter	Unit	SSES Control (same as SR01, Figure 2.3-33)					Bell Bend (SSES Indicator, Figure 2.3-33)				
		2002	2003	2004	2005	2006	2002	2003	2004	2005	2006
Temperature	°C	13.8	14.4	11.9	12.8	12.9	13.8	14.4	11.9	12.9	12.7
pH, field		7.6	7.2	7.3	NM	NM	7.7	7.3	7.3	NM	NM
Conductivity, field	mS/cm	0.238	0.226	0.238	NM	NM	0.251	0.228	0.244	NM	NM
Turbidity, field	NTU	3.9	12.8	10.3	NM	NM	3.9	12.7	10.4	NM	NM
Dissolved oxygen	mg/L	11.0	9.5	10.9	10.7	10.3	11.0	8.9	10.8	10.7	10.4
River level	ft	NM	NM	NM	490.1	489.9	NM	NM	NM	NM	NM
pH, lab		7.92	7.53	7.65	7.99	7.82	7.93	7.59	7.65	8.01	7.8
Conductivity, lab	mS/cm	0.261	0.241	0.256	0.290	0.257	0.268	0.243	0.258	0.301	0.258
Total alkalinity	mg/L	57	56	59	61	64	58	57	60	63	64
Phenolphthalein alkalinity	mg/L	0.25	0.00	0.00	0.50	0.00	0.25	0.00	0.00	0.50	0.00
Total suspended solids	mg/L	8.1	23.7	11.9	6.4	8.5	7.5	21.8	12.6	7.6	8.2
Ammonia (as N)	mg/L	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Silicon dioxide	mg/L	2.09	3.73	2.50	4.34	3.14	2.10	3.82	3.26	4.55	3.14
Bicarbonate (as CaCO3)	mg/L	68.6	68.6	71.7	72.9	70.5	70.2	69.6	72.8	75.3	70.7
Carbonate (by calculation)	mg/L	0.3	0	0	0.6	0	0.3	0	0	0.6	0
Chloride	mg/L	25.4	20	22.8	28	22.4	26.6	20.2	23.1	29.2	22.7
Fluoride	mg/L	0.10	0.06	0.08	<0.10	0.07	0.06	0.06	0.07	<.10	0.08
Nitrate (as NO3)	mg/L	1.8	2.8	1.6	2.0	2.1	1.6	2.9	1.6	2.1	2.1
Nitrate ion (as N)	mg/L	0.4	0.6	2.2	0.5	0.5	0.4	0.7	2.2	0.5	0.5
Phosphorus (as PO4)	mg/L	0.154	0.262	0.291	0.107	0.171	0.165	0.262	0.245	0.107	0.163
Sulfate	mg/L	24.2	25.7	24.4	33.4	24.0	26.9	25.8	24.7	36.6	24.1
Total mineral solids	mg/L	112.41	131.27	134.06	157.04	137.56	99.26	132.44	136.3	165.36	138.01
Calcium hardness (C)	mg/L	62.63	62.7	63.8	68.8	67.4	64.3	62.9	64.2	71.5	67.3
Total hardness (C)	mg/L	88.7	88.0	89.2	98.4	90.8	89.9	88.1	89.7	102.6	90.8
Aluminum, dissolved	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aluminium, total	ug/L	148	519	299	100	147	142	524	311	97	153
Antimony, total	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic, total	ug/L	<1.0	<1.0	0.75	<1.0	<1.0	<1.0	<1.0	<0.75	<1.0	<1.0

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Table 2.3-42 Water Quality in the Susquehanna River Between 2002 and 2006 (yearly averages of SSES quarterly data)

Parameter	Unit	SSES Control (same as SR01, Figure 2.3-33)					Bell Bend (SSES Indicator, Figure 2.3-33)				
		2002	2003	2004	2005	2006	2002	2003	2004	2005	2006
Barium, total	ug/L	28	32	33	27	29	28	33	33	28	28
Beryllium, total	ug/L	ND	ND	ND	<2.5	ND	ND	ND	ND	ND	ND
Cadmium, total	ug/L	ND	<0.25	ND	N.D	ND	ND	ND	ND	ND	ND
Calcium, dissolved	mg/L	25.1	25.1	25.6	27.6	26.5	25.8	25.2	25.7	28.7	27.0
Calcium, total	mg/L	25.5	25.3	25.8	27.5	26.9	25.8	25.4	26	28.7	26.9
Chromium, total	ug/L	ND	ND	<2.5	N.D	ND	ND	ND	ND	ND	ND
Copper, dissolved	ug/L	ND	ND	ND	<5	<5	ND	ND	ND	<2.5	ND
Copper, total	ug/L	ND	ND	ND	<2.5	ND	ND	ND	ND	<2.5	ND
Iron, dissolved	mg/L	0.12	0.13	0.15	0.10	0.11	0.13	0.15	0.15	0.10	0.11
Iron, total	mg/L	0.62	1.43	0.94	0.57	0.62	0.59	1.43	0.93	0.59	0.63
Lead, total	ug/L	N.D	<1	<1.25	ND	ND	ND	<0.10	<1.25	ND	ND
Magnesium, dissolved	mg/L	5.91	5.83	5.87	7.15	5.76	6.12	5.86	5.89	7.49	5.76
Magnesium, total	mg/L	6.05	6.02	5.99	7.19	5.79	6.18	6.03	6.02	7.55	5.78
Manganese, dissolved	ug/L	33	62	69	44	50	31	59	65	52	48
Manganese, total	ug/L	92	127	99	122	95	88	124	98	126	95
Nickel, total	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	<2.5
Potassium, dissolved	mg/L	1.68	1.54	1.55	1.65	1.40	1.75	1.54	1.56	1.74	1.36
Potassium, total	mg/L	1.76	1.63	1.63	1.68	1.42	1.79	1.64	1.64	1.77	1.37
Selenium, total	ug/L	N.D	N.D	ND	ND	ND	ND	ND	ND	ND	ND
Silver, total	ug/L	N.D	N.D	ND	ND	ND	ND	ND	ND	ND	ND
Sodium, dissolved	mg/L	15.9	12.9	13.2	16.6	13.4	16.6	12.9	13.2	17.4	13.4
Sodium, total	mg/L	15.9	12.5	13.2	16.5	13.3	16.4	12.7	13.3	17.3	13.3
Strontium, total	ug/L	100	99	94	119	94	101	100	95	126	94
Thallium, total	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium, total	ug/L	ND	1	ND	ND	ND	ND	ND	ND	ND	ND
Zinc, dissolved	ug/L	ND	ND	<15	<10	<20	ND	N.D	<15	<10	<15
Zinc, total	ug/L	ND	2.5	<15	<5	<5	ND	2.5	<10	<10	<5

NM = Not Measured.
ND = Not Detected
Reference: Ecology III (2003-2007)

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Table 2.3-43 BBNPP Surface Water Quality Data, Field Measurements

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Location[1]	Date	pH	Specific Conductance (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (DO) (mg/L)	Temperature (°C)	Oxidation-Reduction Potential (ORP) (mV)	Salinity (ppt)
Susquehanna River								
SR01	2/28/2008	7.80	0.240	NR	21.30	1.20	NR	NR
	4/14/2008	7.62	0.196	NR	11.57	10.96	NR	NR
	7/25/2008	6.82	0.396	NR	7.08	27.31	NR	NR
SR02	2/28/2008	7.47	0.233	NR	20.14	1.06	NR	NR
	4/14/2008	7.71	0.194	NR	11.46	11.24	NR	NR
	7/25/2008	7.60	0.411	NR	8.97	27.98	NR	NR
Creeks								
G1	10/31/2007	7.06	0.104	2.4	9.75	10.34	99.5	0.05
	1/28/2008	8.12	0.083	0.0	14.52	1.62	16.8	0.04
	2/29/2008	7.01	0.083	0.0	12.73	2.78	117.5	0.04
	4/15/2008	7.45	0.073	0.0	10.17	10.02	40.8	0.03
	7/25/2008	6.63	0.093	0.5	8.93	18.88	119.6	0.04
G2	10/31/2007	7.07	0.149	3.1	9.17	10.88	56.8	0.07
	1/28/2008	8.30	0.114	0.0	14.37	1.04	46.4	0.05
	2/29/2008	6.81	0.108	0.0	11.99	3.03	92.7	0.05
	4/15/2008	7.28	0.089	0.0	10.38	12.46	43.5	0.04
	7/25/2008	6.64	0.111	3.5	8.57	19.48	128.8	0.05
G3	10/31/2007	7.39	0.130	9.8	9.63	10.89	86.6	0.06
	1/28/2008	7.88	0.088	0.0	14.12	2.38	5.3	0.04
	2/29/2008	7.10	0.094	0.0	12.55	3.67	126.0	0.04
	4/15/2008	7.87	0.081	4.3	10.20	9.60	98.9	0.04
	7/25/2008	6.80	0.130	16.2	8.83	17.83	128.7	0.06
G4	10/31/2007	7.23	0.181	3.40	16.25	15.78	95.9	0.09
	1/28/2008	7.53	0.168	7.7	12.77	7.00	24.8	0.08
	2/29/2008	6.41	0.162	1.9	12.07	5.47	124.7	0.08
	4/15/2008	7.72	0.152	0.0	13.30	17.23	102.8	0.07
	7/25/2008	6.85	0.129	20.1	15.78	27.08	91.9	0.06

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Table 2.3-43 BBNPP Surface Water Quality Data, Field Measurements

(Page 2 of 3)

Location[(1)]	Date	pH	Specific Conductance (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (DO) (mg/L)	Temperature (°C)	Oxidation-Reduction Potential (ORP) (mV)	Salinity (ppt)
G5	10/31/2007	6.88	0.126	8.6	7.63	11.84	50.8	0.06
	1/28/2008	7.62	0.085	7.7	14.34	2.37	24.2	0.04
	2/29/2008	7.22	0.087	0.0	12.44	2.99	101.0	0.04
	4/15/2008	7.07	0.069	0.0	9.78	13.60	77.0	0.03
	7/25/2008	6.95	0.083	5.5	7.70	21.35	115.3	0.04
G10	10/31/2007	7.26	0.147	2.6	9.91	10.41	37.9	0.07
	1/28/2008	7.66	0.120	0.0	15.06	1.03	11.3	0.06
	2/29/2008	7.25	0.114	0.0	12.70	2.35	98.8	0.05
	4/15/2008	7.31	0.094	0.0	10.26	11.28	70.9	0.04
	7/25/2008	6.94	0.113	5.5	8.84	19.90	145.0	0.05
G11	10/31/2007	7.09	0.079	267.9	10.24	11.88	96.0	0.04
	1/28/2008	7.68	0.068	7.6	13.68	2.38	-38.3	0.03
	2/29/2008	6.85	0.062	0.1	12.81	2.05	140.1	0.03
	4/15/2008	7.30	0.062	0.4	10.03	9.94	29.9	0.03
	7/25/2008	NR	NR	NR	NR	NR	NR	NR
G12	10/31/2007	7.28	0.305	2.3	8.77	11.25	119.0	0.19
	1/28/2008	7.37	0.249	0.1	14.70	1.13	57.1	0.12
	2/29/2008	6.93	0.27	0.0	12.35	2.62	105.1	0.13
	4/15/2008	7.30	0.196	1.5	9.53	13.55	18.0	0.09
	7/25/2008	6.91	0.270	8.2	7.79	22.77	64.6	0.13
G13	NR	NR	NR	NR	NR	NR	NR	NR
	NR	NR	NR	NR	NR	NR	NR	NR
	2/29/2008	7.10	0.109	0.0	12.23	2.97	84.9	0.05
	4/15/2008	7.25	0.091	0.0	10.39	12.28	67.5	0.04
	7/25/2008	6.74	0.111	1.5	8.45	19.37	130.3	0.05
Ponds								

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Table 2.3-43 BBNPP Surface Water Quality Data, Field Measurements

(Page 3 of 3)

Location[(1)]	Date	pH	Specific Conductance (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (DO) (mg/L)	Temperature (°C)	Oxidation-Reduction Potential (ORP) (mV)	Salinity (ppt)
G6	10/31/2007	7.38	0.042	12.7	9.51	12.06	99.8	0.02
	1/28/2008	8.02	0.049	1.1	16.55	4.76	29.7	0.02
	2/29/2008	6.90	0.045	0.5	13.22	3.83	173.1	0.02
	4/15/2008	7.88	0.044	2.8	10.84	15.00	67.2	0.02
	7/25/2008	7.68	0.044	9.8	9.72	28.74	109.1	0.06
G7	10/31/2007	7.31	0.459	6.1	11.91	11.20	36.2	0.22
	1/28/2008	7.50	0.258	0.0	18.79	4.71	59.7	0.12
	2/29/2008	7.03	0.2116	0.1	14.79	3.74	111.5	0.10
	4/15/2008	8.20	0.197	0.1	13.13	14.59	66.7	0.09
	7/25/2008	6.67	0.274	8.5	2.99	22.65	130.5	0.13
G8	10/31/2007	6.62	0.144	417.2	0.42	15.24	18.0	0.07
	1/28/2008	7.46	0.192	51.7	8.65	6.25	128.9	0.09
	2/29/2008	6.40	0.158	2.4	11.95	7.36	108.3	0.07
	4/15/2008	7.20	0.144	0.1	14.66	15.21	91.6	0.07
	7/25/2008	6.09	0.97	13.4	8.16	29.21	139.1	0.04
G9	10/31/2007	6.60	0.103	8.8	2.40	9.11	54.3	0.05
	1/28/2008	6.65	0.230	8.3	2.54	4.01	6.3	0.11
	2/29/2008	5.97	0.111	0.4	4.67	0.03	111.8	0.05
	4/15/2008	7.10	0.166	0.0	8.55	14.05	100.4	0.08
	7/25/2008	6.95	0.113	4.8	0.77	22.20	133.0	0.05

NR = No Reading Taken

(1) Sampling locations show on Figure 2.3-33

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Table 2.3-44 BBNPP Groundwater Quality Data, Field Measurements

(Page 1 of 5)

Location[(1)]	Date	pH	Specific Conductance (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temperature (°C)	ORP (mV)	Salinity (ppt)	TDS (mg/L)
Glacial Overburden Wells									
MW301A	10/30/2007	5.76	0.173	0.4	1.34	12.92	189.3	0.08	0.113
	1/26/2008	5.81	0.149	0.0	5.98	10.66	221.6	0.07	0.097
	2/27/2008	5.68	0.129	2.4	7.52	9.16	206.6	0.06	0.084
	4/14/2008	5.70	0.136	0.0	7.30	8.43	201.1	0.06	0.088
	7/21/2008	6.86	0.160	0.0	5.02	11.08	193.9	0.08	0.104
MW302A1	10/30/2007	5.66	0.177	2.0	0.00	13.01	127.3	0.08	0.115
	1/26/2008	5.81	0.188	0.8	0.69	10.46	70.4	0.09	0.122
	2/29/2008	5.58	0.171	0.0	1.30	9.36	113.0	0.08	0.111
	4/16/2008	5.74	0.153	0.0	0.79	8.83	84.6	0.07	0.099
	7/22/2008	5.79	0.178	0.0	0.62	10.40	111.3	0.08	0.116
MW302A2	10/30/2007	5.58	0.165	2.1	1.40	12.92	160.3	0.08	0.107
	1/26/2008	5.76	0.186	1.0	0.68	10.52	79.3	0.09	0.121
	3/2/2008	5.74	0.189	0.0	0.0	16.86	67.0	0.09	0.123
	4/18/08	5.84	0.172	0.0	1.04	13.00	67.4	0.08	0.113
	7/24/2008	5.55	0.185	0.0	1.96	12.32	130.5	0.09	0.120
MW302A3	10/30/2007	5.55	0.159	6.7	3.31	12.73	177.8	0.08	0.104
	1/26/2008	5.67	0.179	11.3	0.85	10.62	114.4	0.08	0.116
	3/2/2008	5.70	0.187	0.0	0.45	14.08	107.3	0.09	0.122
	4/18/2008	5.76	0.182	0.0	1.89	11.27	100.6	0.08	0.109
	7/24/2008	5.45	0.179	0.1	3.60	12.89	167.8	0.08	0.119
MW302A4	10/30/2007	5.65	0.165	1.7	4.75	12.66	196.3	0.08	0.107
	1/27/2008	5.75	0.174	0.0	4.33	10.37	114.1	0.08	0.113
	3/2/2008	5.62	0.161	0.3	4.32	14.98	164.5	0.08	0.105
	4/18/2008	5.65	0.048	0.0	6.25	12.76	156.9	0.02	0.031
	7/24/2008	5.40	0.059	0.0	6.04	14.05	239.7	0.03	0.038
MW303A	10/31/2007	6.40	0.179	17.1	2.99	13.14	124.9	0.08	0.116
	1/29/2008	7.04	0.200	45.1	0.22	9.42	0.0	0.10	0.130
	3/2/2008	6.94	0.203	62.8	4.01	4.71	0.0	0.10	0.132
	4/19/2008	7.23	0.202	68.1	7.30	13.40	10.1	0.10	0.131
	7/24/2008	6.60	0.196	23.4	1.28	12.69	21.5	0.09	0.127

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Table 2.3-44 BBNPP Groundwater Quality Data, Field Measurements

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Location[(1)]	Date	pH	Specific Conductance (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temperature (°C)	ORP (mV)	Salinity (ppt)	TDS (mg/L)
MW304A	10/31/2007	6.18	0.254	11.3	4.60	11.89	109.3	0.12	0.165
	1/28/2008	6.12	0.265	0.1	2.35	11.11	140.9	0.13	0.172
	2/27/2008	6.10	0.220	5.8	1.74	10.16	124.9	0.11	0.143
	4/15/2008	6.14	0.213	0.0	0.81	10.55	110.8	0.10	0.139
	7/22/2008	6.16	0.208	0.0	1.23	11.11	127.9	0.11	0.143
MW305A1	10/31/2007	6.35	0.204	30.2	1.51	13.61	146.7	0.10	0.133
	1/30/2008	6.14	0.186	9.3	1.22	10.84	162.3	0.09	0.121
	2/27/2008	5.97	0.159	3.0	2.65	10.43	172.4	0.08	0.103
	4/15/2008	6.21	0.169	0.0	1.78	10.65	153.0	0.08	0.110
	7/21/2008	6.83	0.162	0.2	1.31	11.12	183.2	0.08	0.105
MW305A2	10/31/2007	6.89	0.267	34.2	0.0	12.78	8.3	0.13	0.174
	1/30/2008	6.82	0.241	0.0	0.0	11.19	0.0	0.12	0.157
	3/2/2008	6.77	0.236	0.0	0.0	14.97	0.0	0.11	0.153
	4/18/2008	6.69	0.235	0.0	0.0	12.67	0.0	0.11	0.149
	7/25/2008	6.60	0.238	0.0	0.0	11.77	27.2	0.11	0.155
MW306A	10/31/2007	6.28	0.189	6.5	5.24	13.02	168.0	0.09	0.123
	1/27/2008	6.23	0.178	0.8	5.72	12.10	130.7	0.08	0.116
	2/29/2008	6.07	0.167	0.0	6.52	11.50	204.8	0.08	0.108
	4/16/2008	6.18	0.172	0.0	6.67	11.35	153.5	0.08	0.112
	7/22/2008	6.29	0.212	0.0	0.53	11.55	118.3	0.10	0.138
MW307A	10/30/2007	7.27	0.294	139.6	3.96	13.36	41.8	0.14	0.191
	1/27/2008	7.34	0.300	10.8	2.54	9.56	7.9	0.14	0.194
	2/26/2008	7.20	0.294	49.9	4.11	11.28	31.2	0.14	0.191
	4/17/2008	7.14	0.279	36.3	4.99	12.32	122.0	0.13	0.180
	7/24/2008	7.5	0.303	12.1	2.90	19.08	130.0	0.14	0.197
MW308A	10/30/2007	5.95	0.138	15.5	3.90	11.96	134.6	0.07	0.090
	1/27/2008	5.91	0.147	0.0	0.89	10.98	214.0	0.07	0.096
	2/26/2008	5.78	0.142	0.4	0.59	9.63	239.6	0.07	0.092
	4/17/2008	5.72	0.143	0.0	0.35	12.21	157.5	0.07	0.093
	7/24/2008	5.73	0.128	0.3	0.00	12.50	182.3	0.06	0.083

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Table 2.3-44 BBNPP Groundwater Quality Data, Field Measurements

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Location[(1)]	Date	pH	Specific Conductance (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temperature (°C)	ORP (mV)	Salinity (ppt)	TDS (mg/L)
MW309A	10/31/2007	6.49	0.348	3.8	4.59	14.22	155.8	0.17	0.227
	1/28/2008	6.29	0.469	0.0	5.71	9.30	151.1	0.23	0.304
	3/1/2008	6.13	0.414	0.0	4.77	15.20	150.9	0.20	0.269
	4/19/2008	6.15	0.429	0.0	5.23	9.48	245.4	0.21	0.279
	7/25/2008	6.37	0.419	0.0	0.94	12.89	220.6	0.20	0.272
MW310A	10/30/2007	7.18	0.079	1093.3	8.30	13.29	76.5	0.04	0.051
	1/26/2008	6.58	0.122	132.7	3.83	9.47	153.5	0.06	0.079
	2/26/2008	6.41	0.130	12.4	3.91	7.28	141.6	0.06	0.084
	4/17/2008	6.12	0.123	0.0	5.27	10.05	139.6	0.06	0.080
	7/24/2008	7.19	0.187	348.6	5.02	12.3	121.3	0.09	0.121
Shallow Bedrock Wells									
MW301B1	10/30/2007	9.42	0.210	8.8	1.75	12.74	-137.5	0.10	0.136
	1/26/2008	10.11	0.154	0.0	0.0	11.15	-191.5	0.07	0.100
	2/29/2008	10.13	0.156	0.0	0.0	10.21	-166.4	0.07	0.101
	4/14/2008	9.63	0.133	0.0	0.0	10.80	-186.5	0.06	0.086
	7/21/2008	9.19	0.137	0.4	0.0	13.35	-160.0	0.08	0.089
MW302B	10/30/2007	9.19	0.256	15.7	0.22	12.28	-190.7	0.12	0.167
	1/26/2008	9.18	0.298	26.0	0.01	10.17	-317.5	0.14	0.194
	3/2/2008	9.19	0.283	11.9	0.54	13.41	-232.0	0.14	0.184
	4/18/2008	9.17	0.294	0.0	0.09	12.19	-204.4	0.14	0.191
	7/21/2008	NR	NR	NR	NR	NR	NR	NR	NR
MW303B	10/31/2007	7.68	0.162	2.0	0.35	12.25	-7.5	0.08	0.105
	1/29/2008	7.54	0.176	0.0	0.0	11.12	127.8	0.08	0.114
	3/2/2008	7.47	0.191	0.0	0.06	10.34	-56.4	0.09	124
	4/19/2008	7.62	0.191	0.0	0.0	13.19	-86.4	0.09	0.124
	7/24/2008	7.28	0.190	0.0	0.0	13.15	-39.9		
MW304B	10/31/2007	9.86	0.332	10.0	5.27	12.17	0.0	0.16	0.216
	1/29/2008	11.18	0.518	0.0	0.0	11.62	0.0	0.26	0.336
	2/27/2008	10.71	0.418	1.5	0.0	10.82	0.0	0.20	0.272
	4/15/2008	11.10	0.544	0.0	0.0	11.39	0.0	0.26	0.347
	7/22/2008	11.00	0.546	0.0	0.0	13.27	-85.7	0.27	0.355

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Table 2.3-44 BBNPP Groundwater Quality Data, Field Measurements

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Location[(1)]	Date	pH	Specific Conductance (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temperature (°C)	ORP (mV)	Salinity (ppt)	TDS (mg/L)
MW305B	10/31/2007	7.32	0.264	2.5	2.60	12.97	57.3	0.13	0.172
	1/30/2008	7.43	0.272	0.0	0.0	11.49	-151.5	0.13	0.177
	2/27/2008	7.37	0.251	2.4	0.0	10.78	-109.3	0.12	0.163
	4/15/2008	7.32	0.266	0.0	0.0	11.39	-118.6	0.13	0.173
	7/21/2008	7.56	0.265	0.2	0.0	12.21	-89.3	0.13	0.173
MW307B	10/30/2007	8.78	0.250	3.9	5.95	12.80	-24.6	0.11	0.158
	1/27/2008	8.73	0.248	0.0	0.0	11.75	-197.2	0.12	0.161
	2/26/2008	8.45	0.248	0.0	0.01	12.15	-158.3	0.12	0.161
	4/17/08	8.70	0.246	0.0	0.0	13.68	-89.4	0.12	0.160
	7/24/2008	8.51	0.257	0.0	0.0	14.22	-102.0	0.12	0.167
MW308B	10/30/2007	7.79	0.210	934	10.17	13.17	48.3	0.10	0.137
	1/27/2008	7.70	0.430	969	0.42	11.83	0.0	0.21	0.279
	2/26/2008	7.41	0.412	1067	1.85	14.28	8.5	0.19	0.261
	4/17/2008	7.45	0.454	1116	3.43	11.70	77.7	0.22	0.294
	7/24/2008	6.74	0.580	340	2.72	11.77	114.9	0.28	0.377
MW309B	10/31/2007	7.29	0.459	6.3	1.30	11.50	-1.2	0.22	0.298
	1/28/2008	7.32	0.465	0.0	0.0	11.11	-99.1	0.23	0.302
	3/1/2008	7.28	0.456	0.0	0.0	14.95	-102.0	0.22	0.296
	4/19/2008	7.36	0.452	0.0	0.0	13.78	-68.0	0.22	0.293
	7/25/2008	7.17	0.449	0.0	0.0	13.15	-39.1	0.22	0.292
MW310B	10/30/2007	7.78	0.196	3.4	0.0	12.44	-63.4	0.09	0.127
	1/26/2008	7.64	0.194	0.0	0.0	11.24	-143.4	0.09	0.126
	2/26/2008	7.61	0.192	0.0	0.82	9.71	-67.2	0.09	0.125
	4/17/2008	7.52	0.196	0.0	0.00	13.04	-130.4	0.09	0.137
	7/24/2008	7.42	0.208	0.0	0.0	13.53	-94.4	0.10	0.135
Deep Bedrock Wells									
MW303C	10/31/2007	7.97	0.173	6.0	5.45	12.76	58.7	0.08	0.113
	1/29/2008	7.98	0.171	0.0	0.0	11.38	10.5	0.08	0.111
	3/2/2008	7.94	0.169	0.0	0.02	14.75	-121.0	0.08	0.110
	4/19/2008	8.14	0.171	0.0	0.0	13.21	-166.4	0.08	0.111
	7/25/2008	7.73	0.164	0.0	0.0	13.29	-123.6	0.08	0.107

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Table 2.3-44 BBNPP Groundwater Quality Data, Field Measurements

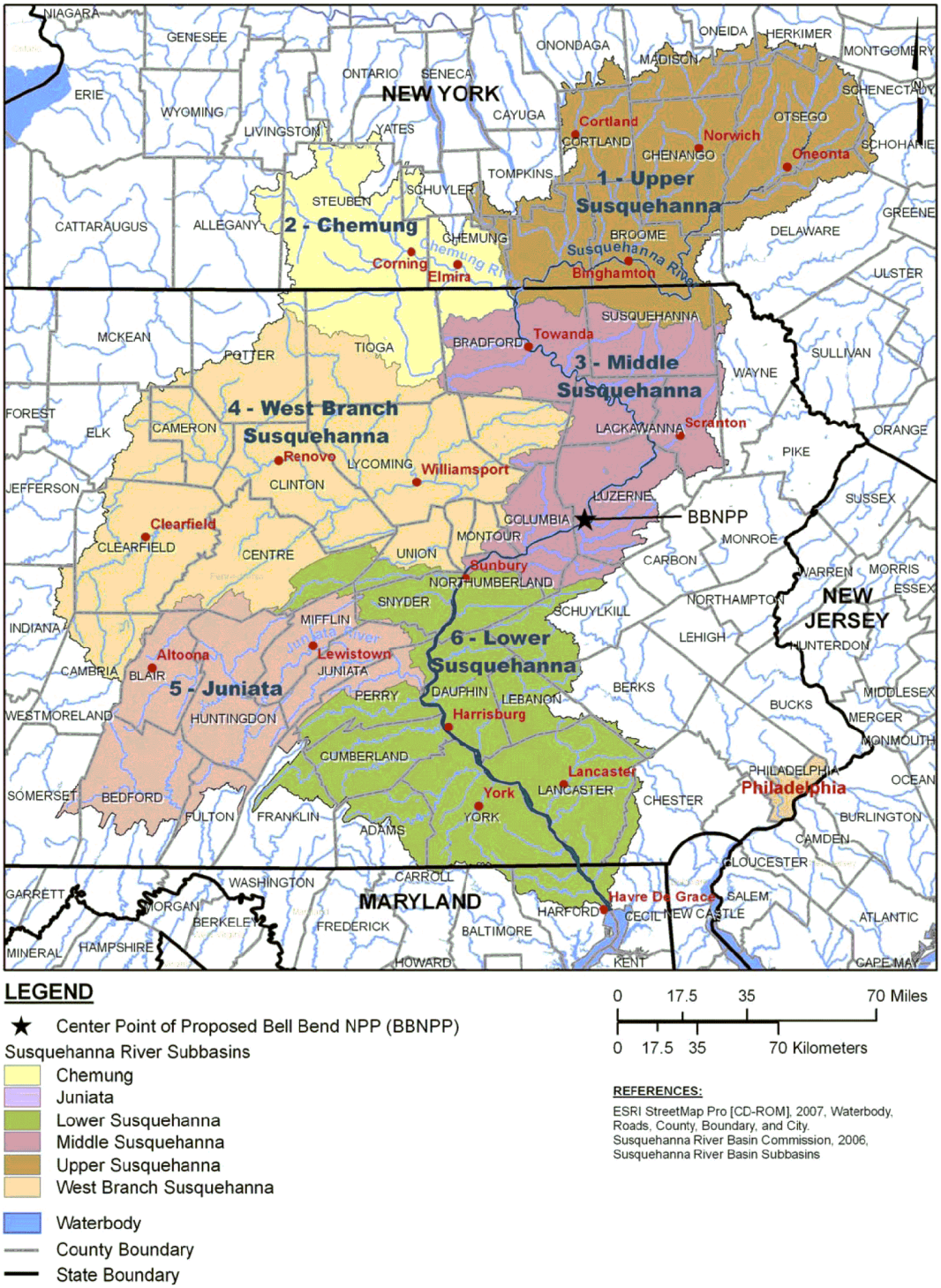
(Page 5 of 5)

Location[1]	Date	pH	Specific Conductance (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temperature (°C)	ORP (mV)	Salinity (ppt)	TDS (mg/L)
MW304C									
	1/29/2008	9.58	0.552	182.1	0.24	11.83	-34.2	0.27	0.359
	3/1/2008	9.46	0.411	296.1	0.13	14.24	-173.4	0.20	0.267
	4/15/2008	9.31	0.361	84.2	0.10	12.12	-161.5	0.17	0.235
	7/22/2008	9.22	0.370	33.5	0.0	14.12	-132.2	0.18	0.240
MW306C	10/31/2007	8.59	0.197	16.6	0.0	12.48	-264.8	0.09	0.128
	1/27/2008	9.23	0.492	17.4	0.27	11.15	-27.4	0.24	0.320
	3/2/2008	8.97	0.517	3.9	0.02	16.09	-131.6	0.25	0.336
	4/18/2008	9.24	0.512	40.3	0.01	13.95	-41.3	0.25	0.335
	7/24/2008	8.98	0.556	3.3	0.0	14.25	40.3	0.27	0.361

(1) Sampling locations are shown in Figure 2.3-32

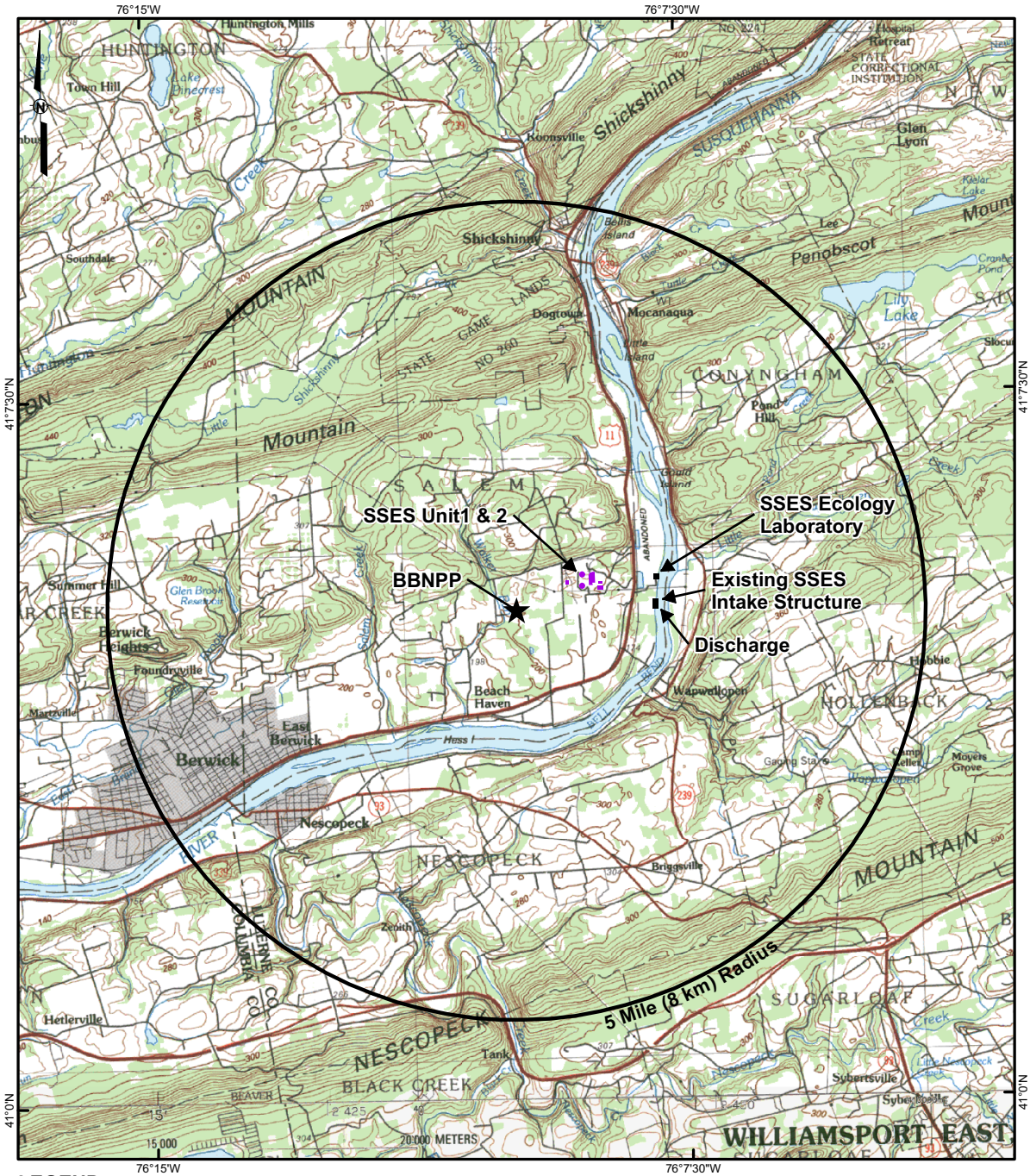
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Figure 2.3-1 {Susquehanna River Basin and Sub-basins}



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Figure 2.3-2 {Site Area Topographic Map 5 Mile (8 km) Radius}



LEGEND

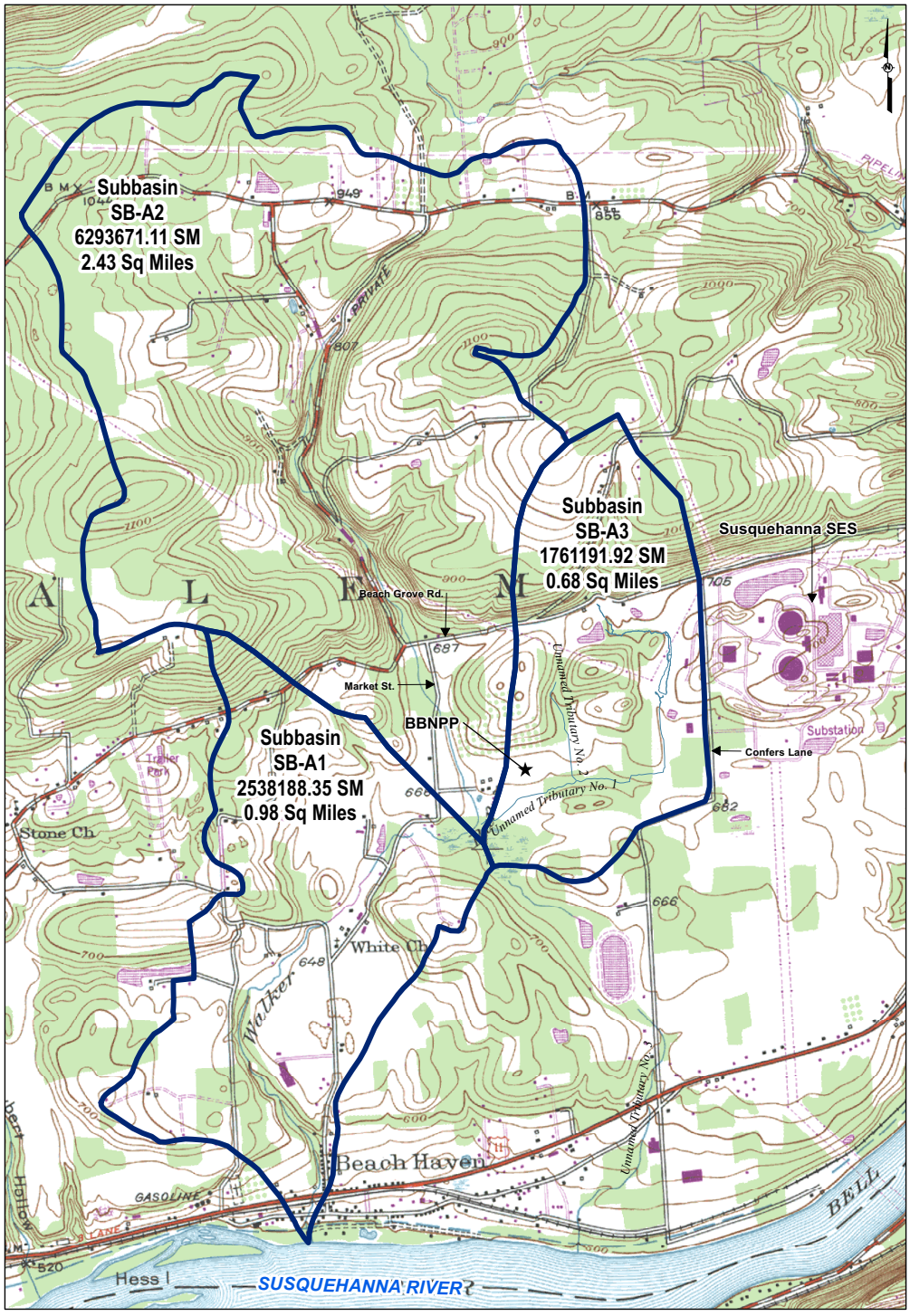
★ Center Point of Proposed Bell Bend NPP (BBNPP)

○ NPP Reactor 5 Mile (8 km) Radius

REFERENCE:
USGS 1:100K Topographic Maps:
Williamsport East and Sunbury.Maps edited 1984.

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Figure 2.3-3 {Walker Run Watershed}



LEGEND

★ Center Point of Poposed Bell Bend NPP (BBNPP)

Subbasin Boundary

0 750 1,500 3,000 Feet

0 250 500 Meters

REFERENCE:

• USGS 7.5-minute Qaudrangles: Berwick and Sybertsville, 1955, Photorevised 1989.

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Figure 2.3-4 {Site Utilization Layout}

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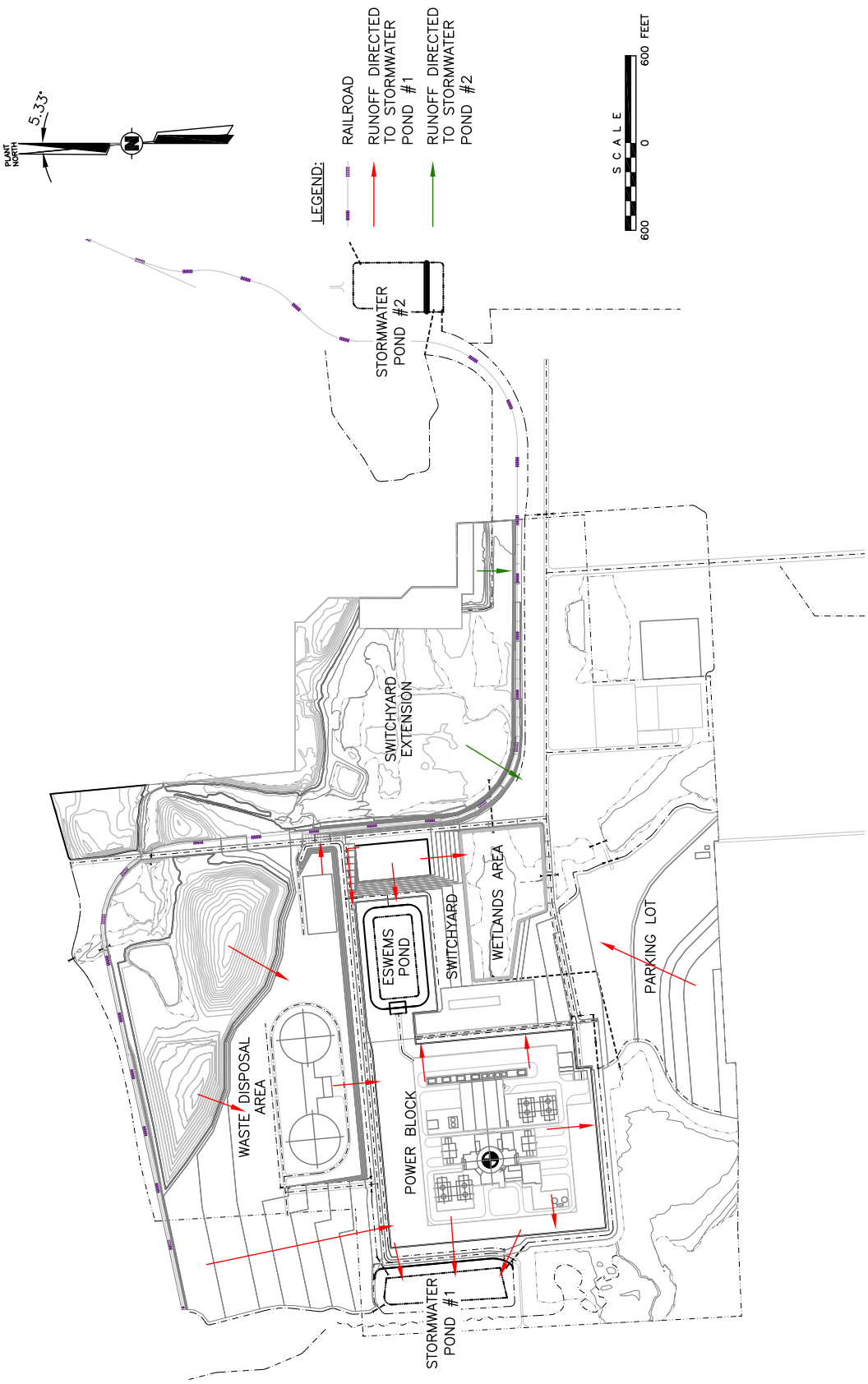


Figure 2.3-5 {Site Drainage Flow Pattern}

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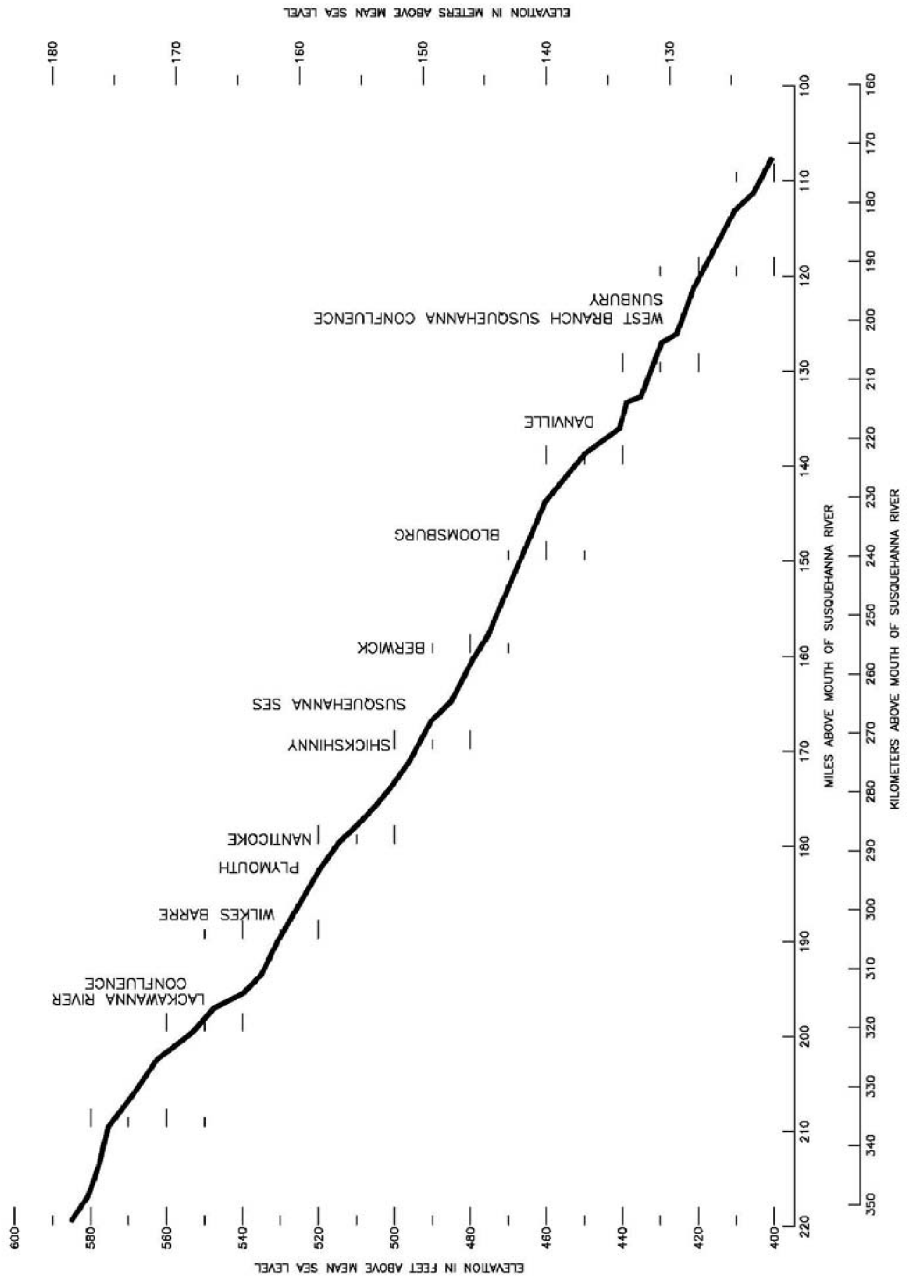
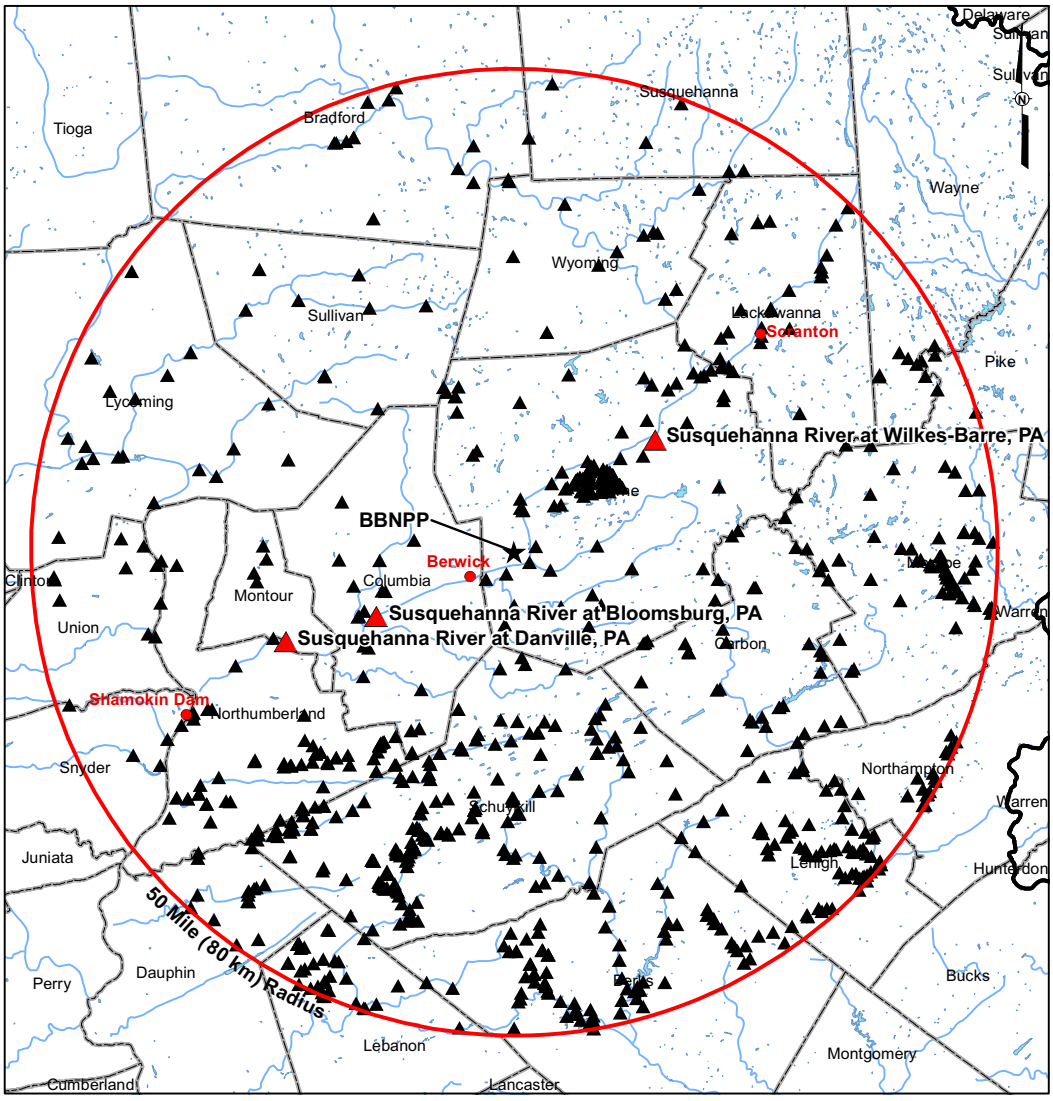


Figure 2.3-6 {Elevation Profile of the NBSR in PA}

Source: PPL, 1999a

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Figure 2.3-7 {USGS Stream Gauges within a 50-Mile (80-km) Radius}



LEGEND

- ★ Center Point of Proposed Bell Bend NPP (BBNPP)
- ▲ USGS Stream Gauges
- ▲ Selected USGS Stream Gauges
- ● City
- Unit 1 Reactor 50 Mile (80 km) Radius
- Waterbody
- County Boundary
- State Boundary

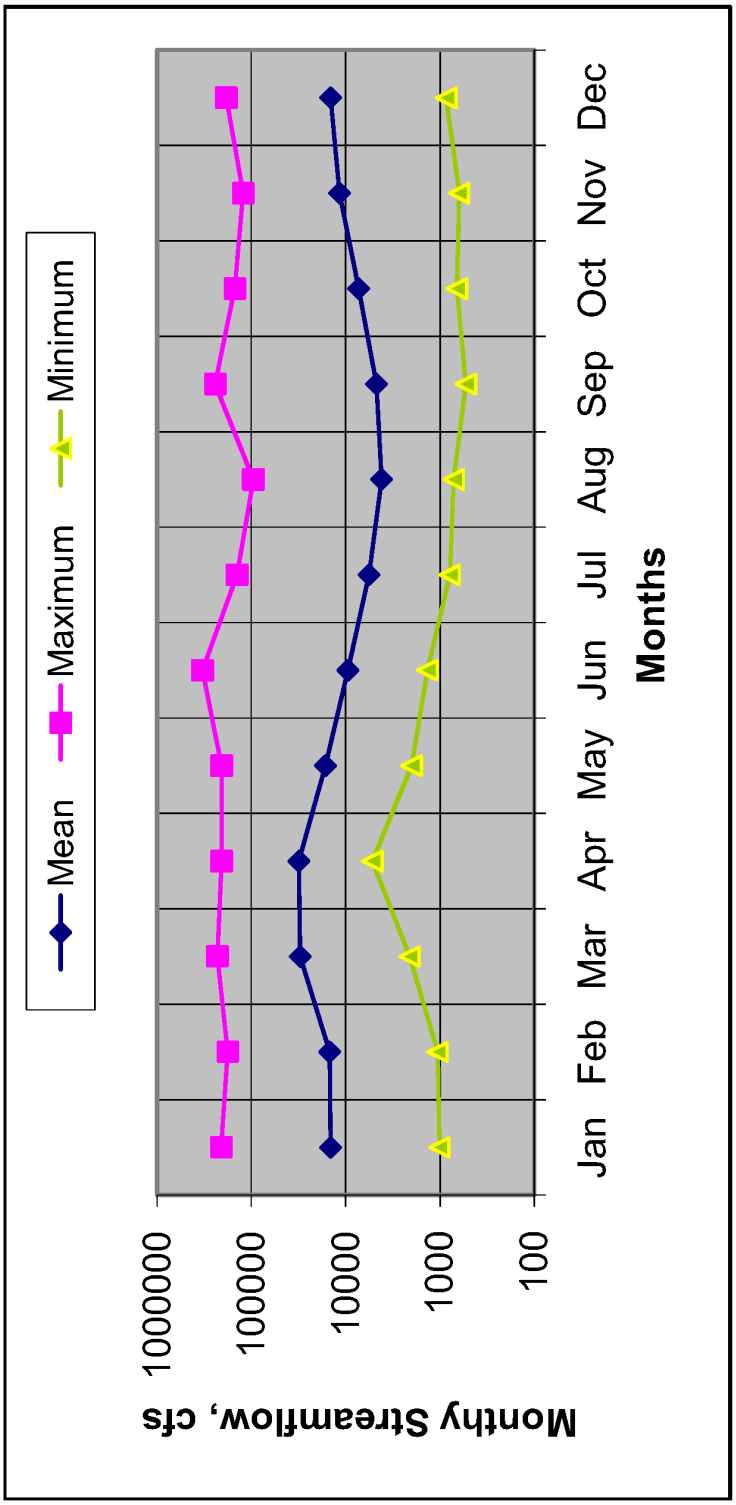
0 5 10 20 Miles

0 5 10 20 Kilometers

REFERENCES

ESRI StreetMap Pro [CD-ROM], 2007, Cities, Rivers, Waterbodies, County Boundaries.
USGS, National Water Information System, 2008, Site Inventory for Pennsylvania.

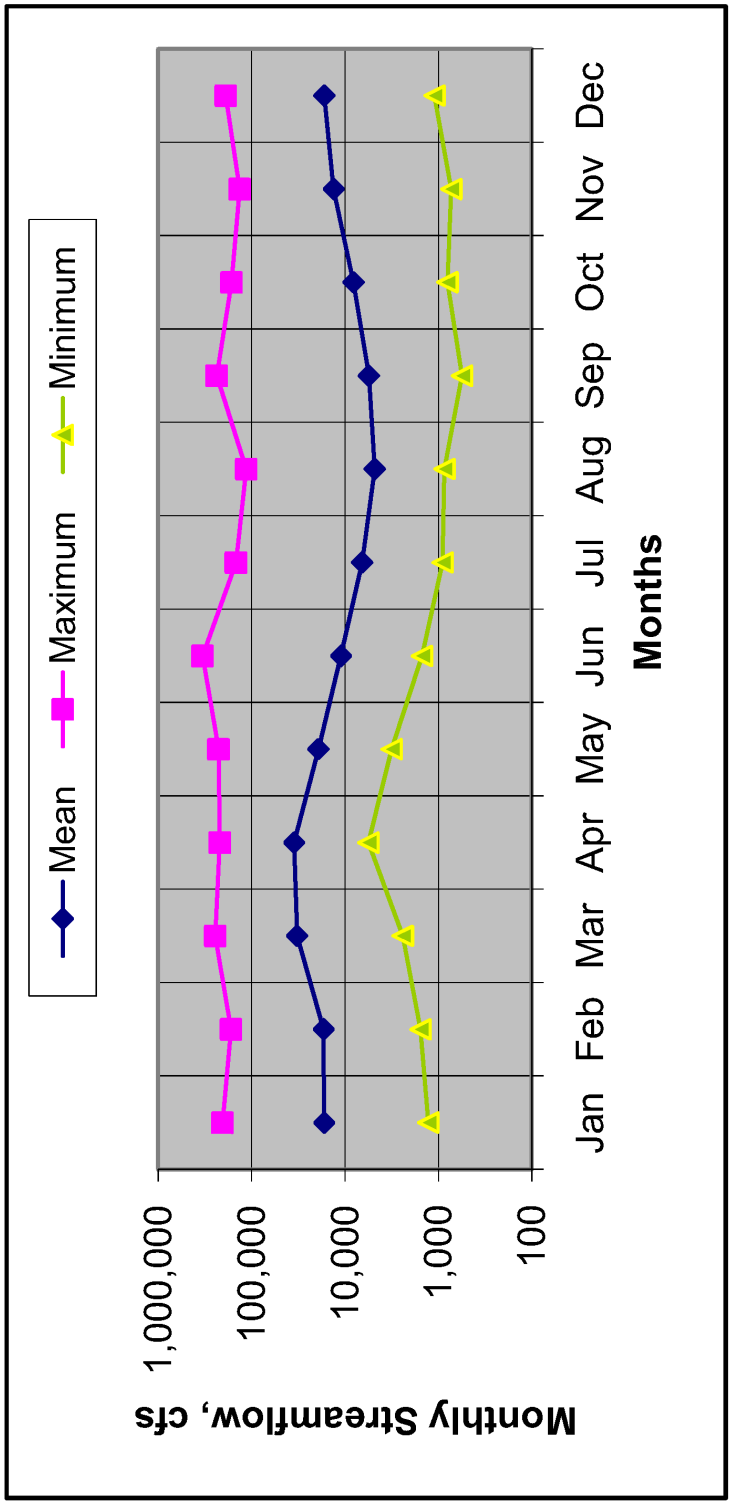
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Source: USGS, 2008i

Figure 2.3-8 {Mean, Maximum and Minimum Streamflows for the Wilkes-Barre, PA USGS 01536500, 1900 through 2006}

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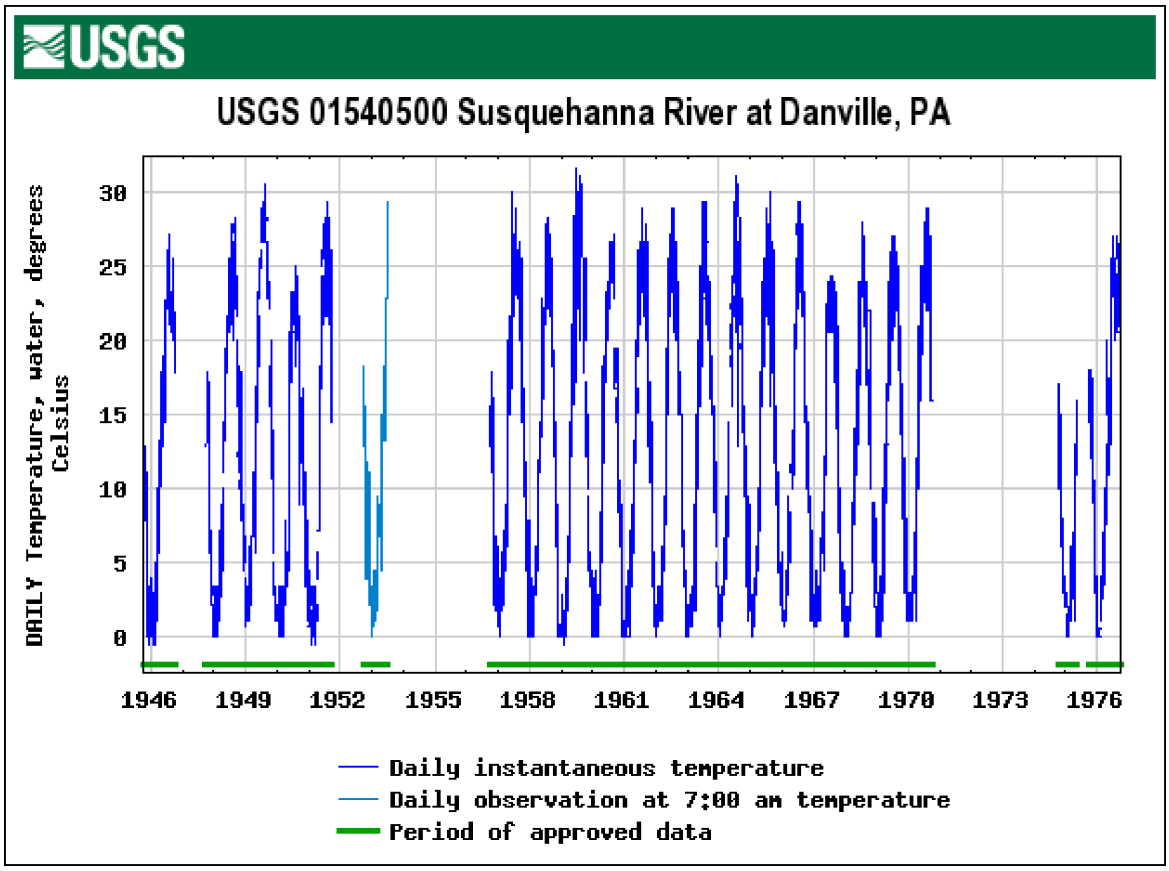


Source: USGS, 2008h

Figure 2.3-9 {Mean, Maximum and Minimum Streamflows for the Danville, PA USGS 01540500, 1905 through 2006}

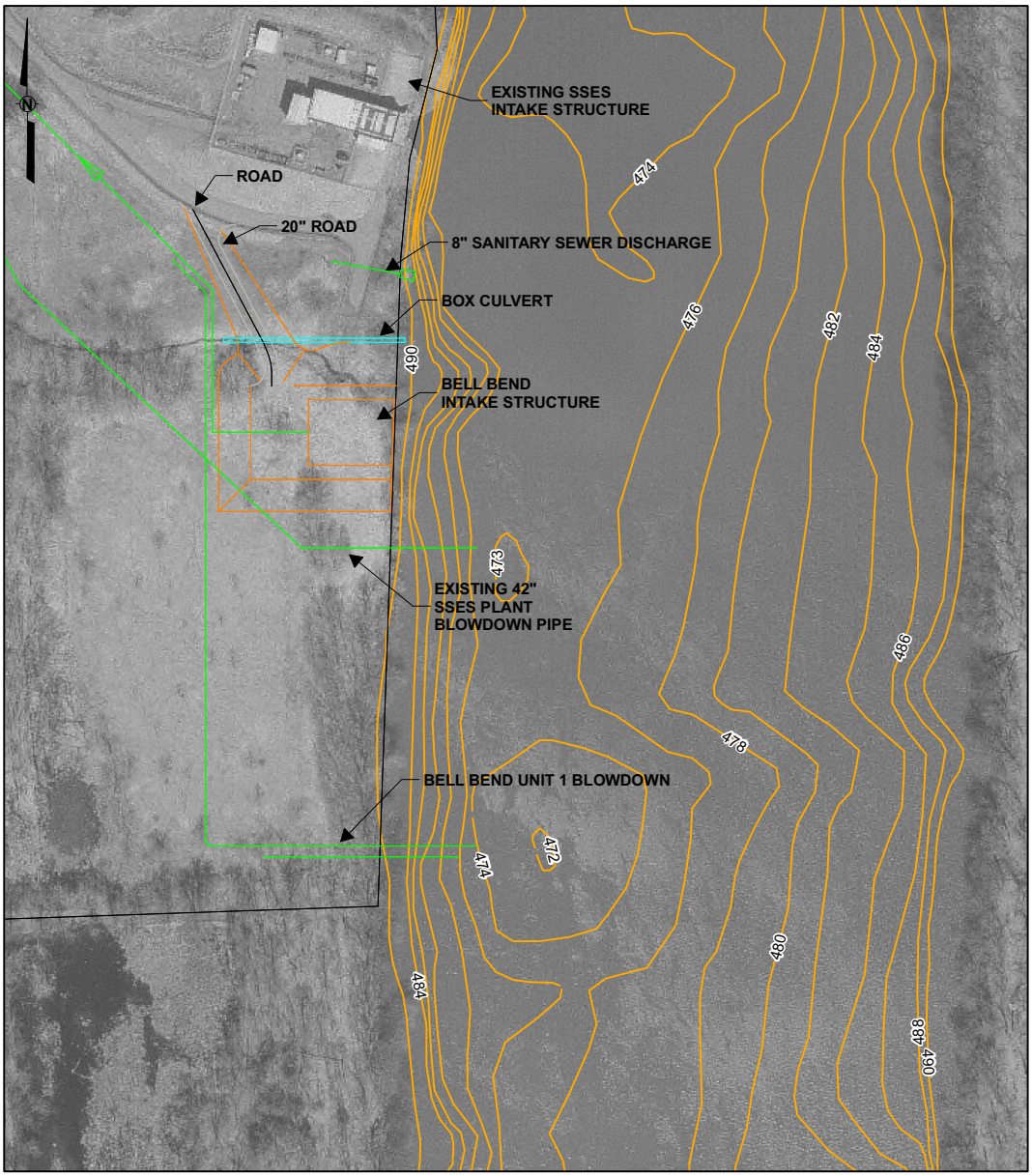
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Figure 2.3-10 {Temperature for the Danville USGS 01540500, 1946 through 1976}



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Figure 2.3-11 {Susquehanna River Bathymetry Near Intake and Blowdown Structures}

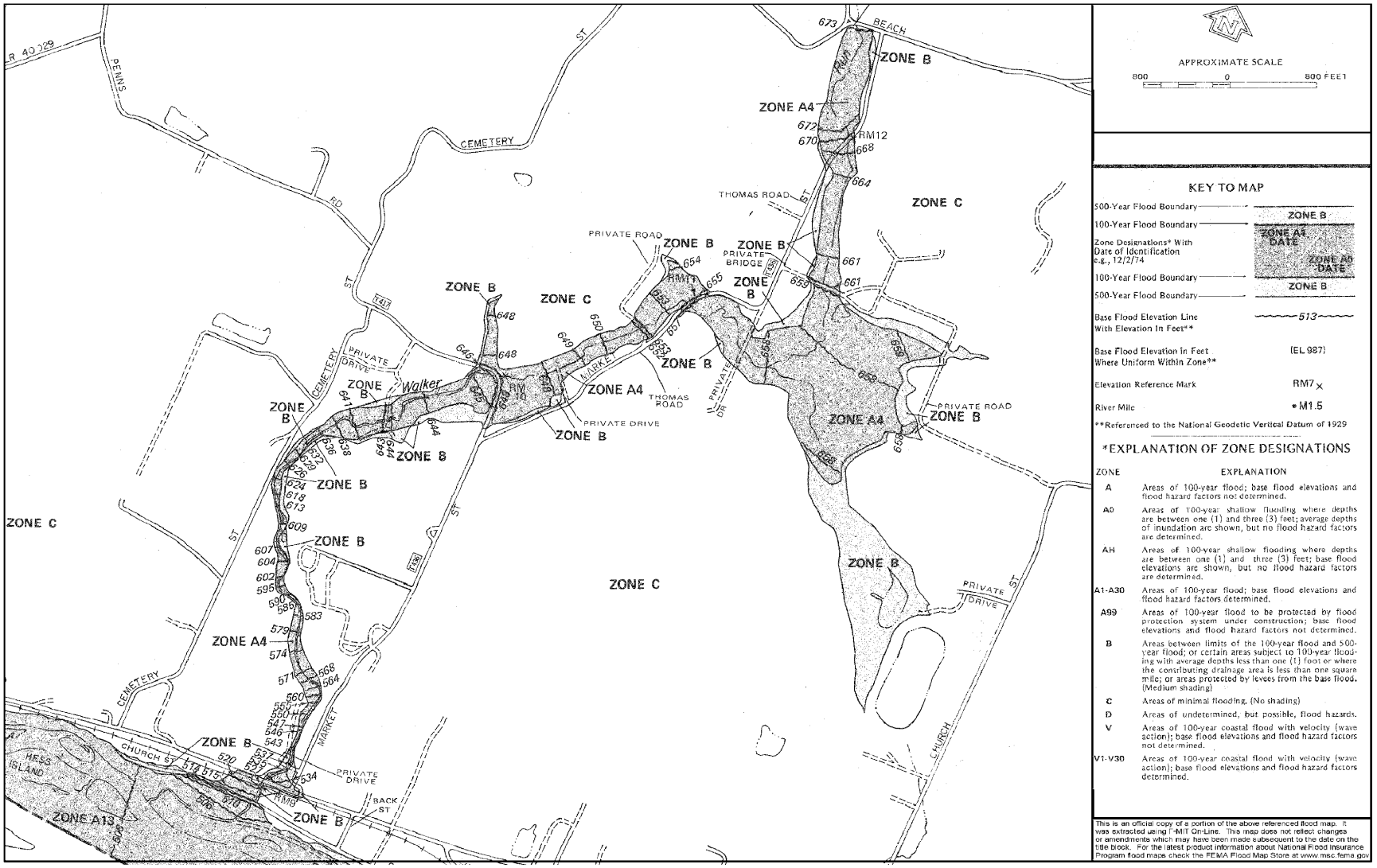


REFERENCES:
Regional Susquehanna River Bathymetry Data,

Sargent & Lundy, 12198-004-CSK-001.
Susquehanna River FEMA Data.

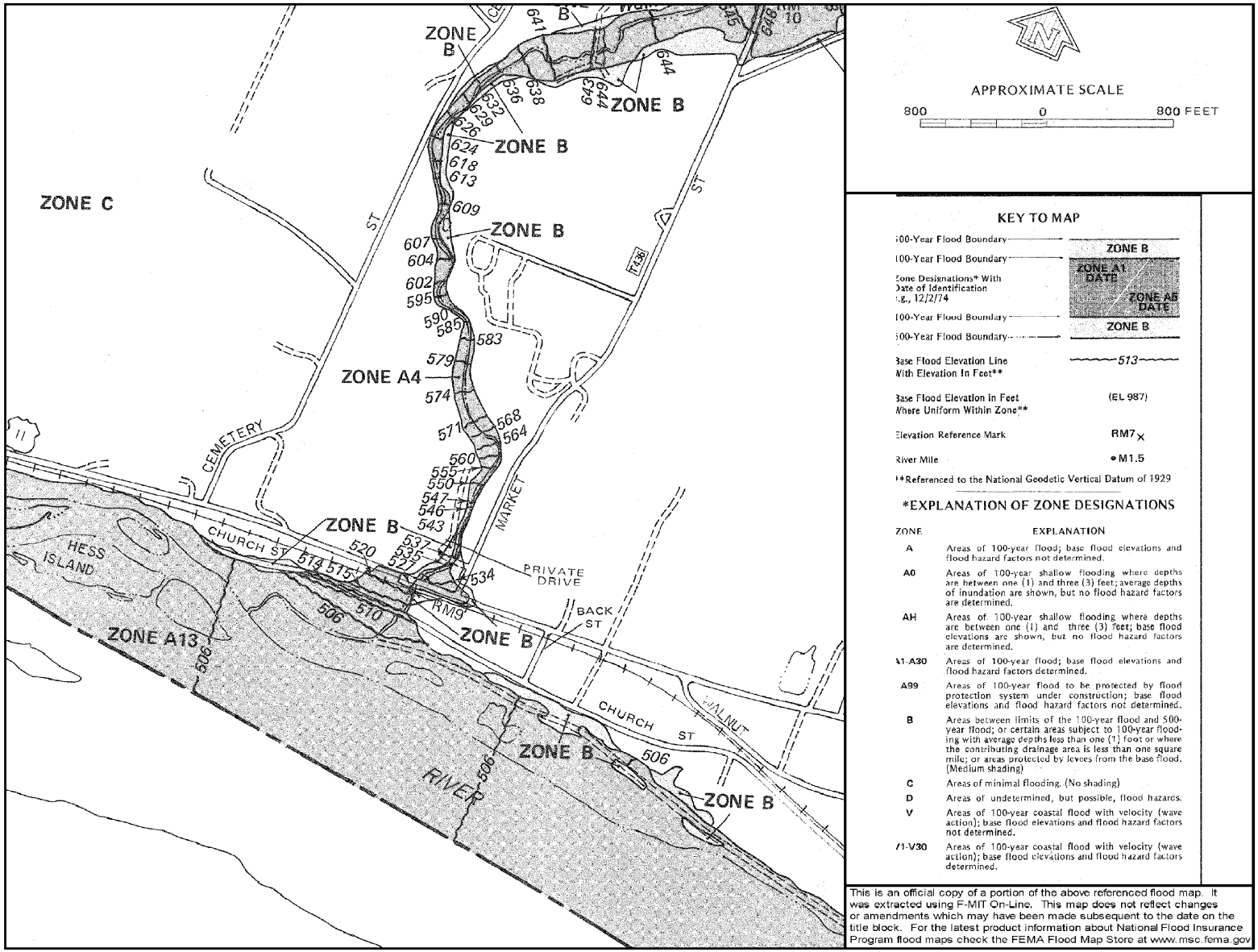
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Figure 2.3-12 {Flood Insurance Map, Panel 1 of 4}



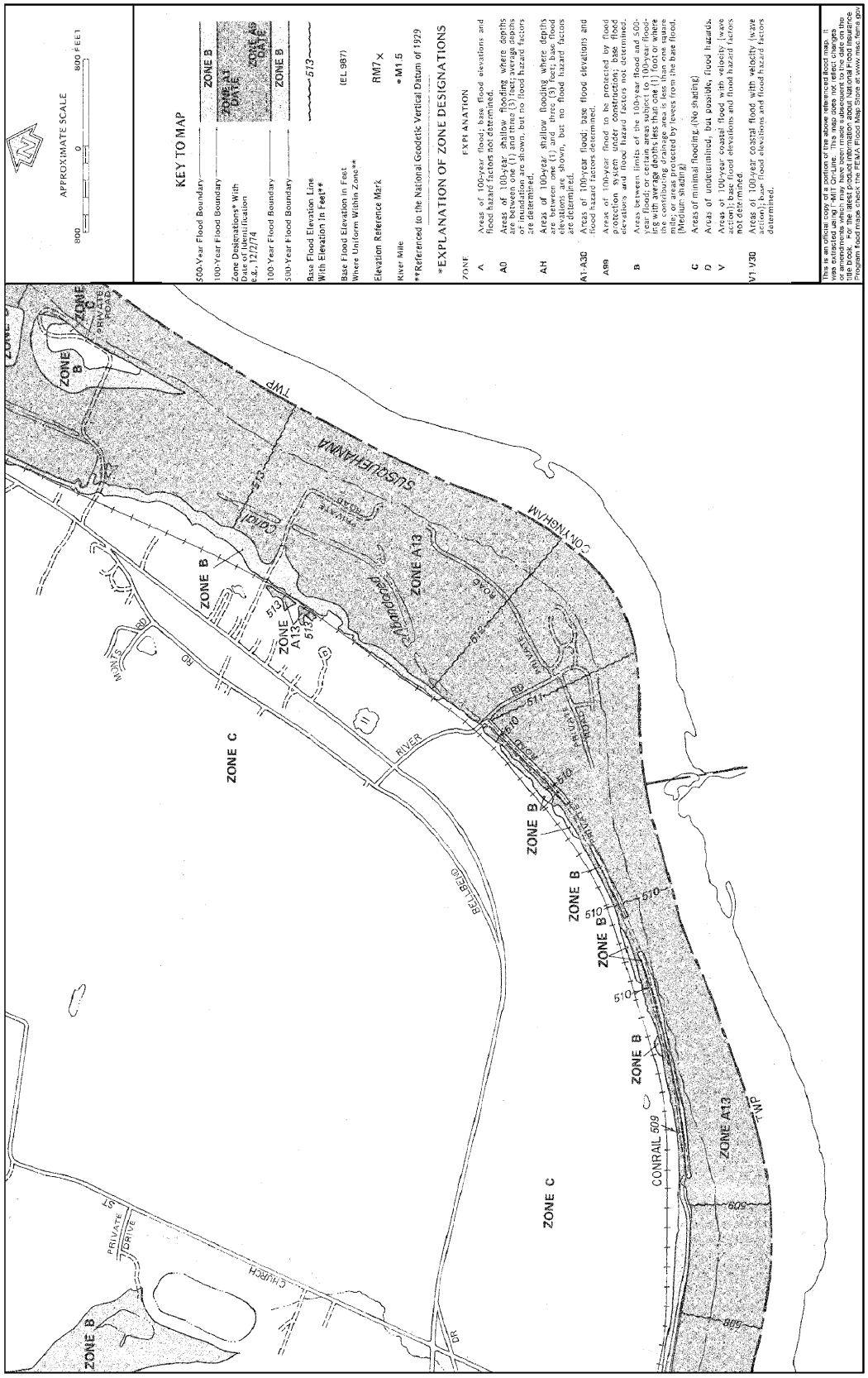
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Figure 2.3-13 {Flood Insurance Map, Panel 2 of 4}



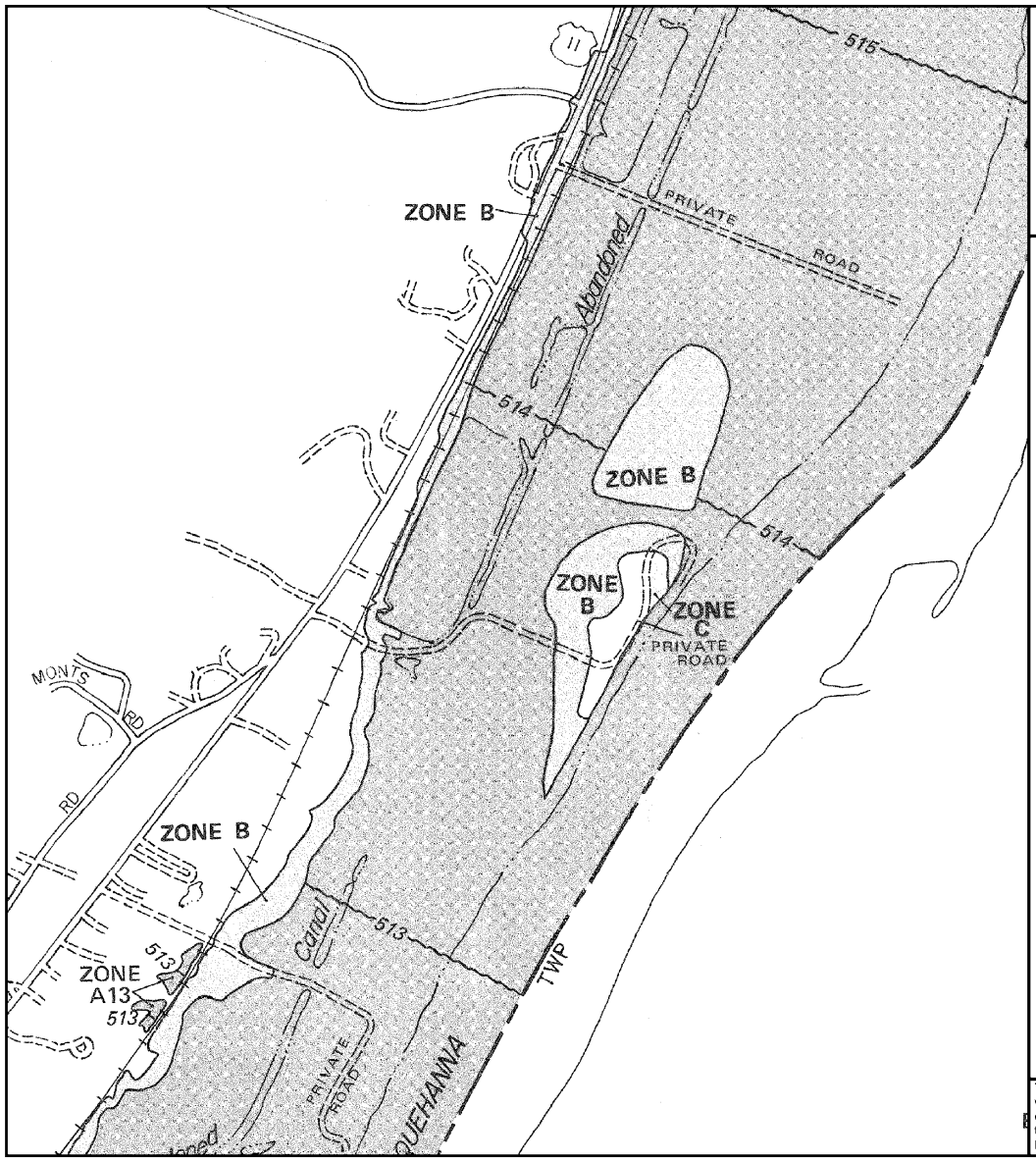
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Figure 2.3-14 {Flood Insurance Map, Panel 3 of 4}



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Figure 2.3-15 {Flood Insurance Map, Panel 4 of 4}



APPROXIMATE SCALE

800 0 800 FEET

KEY TO MAP

100-Year Flood Boundary	ZONE B
100-Year Flood Boundary	ZONE A1 DATE / ZONE A5 DATE
Zone Designations* With Date of Identification e.g., 12/2/74	
100-Year Flood Boundary	ZONE B
500-Year Flood Boundary	
Base Flood Elevation Line With Elevation In Feet**	513
Base Flood Elevation in Feet Where Uniform Within Zone**	(EL 987)
Elevation Reference Mark	RM7 ×
River Mile	• M1.5

**Referenced to the National Geodetic Vertical Datum of 1929

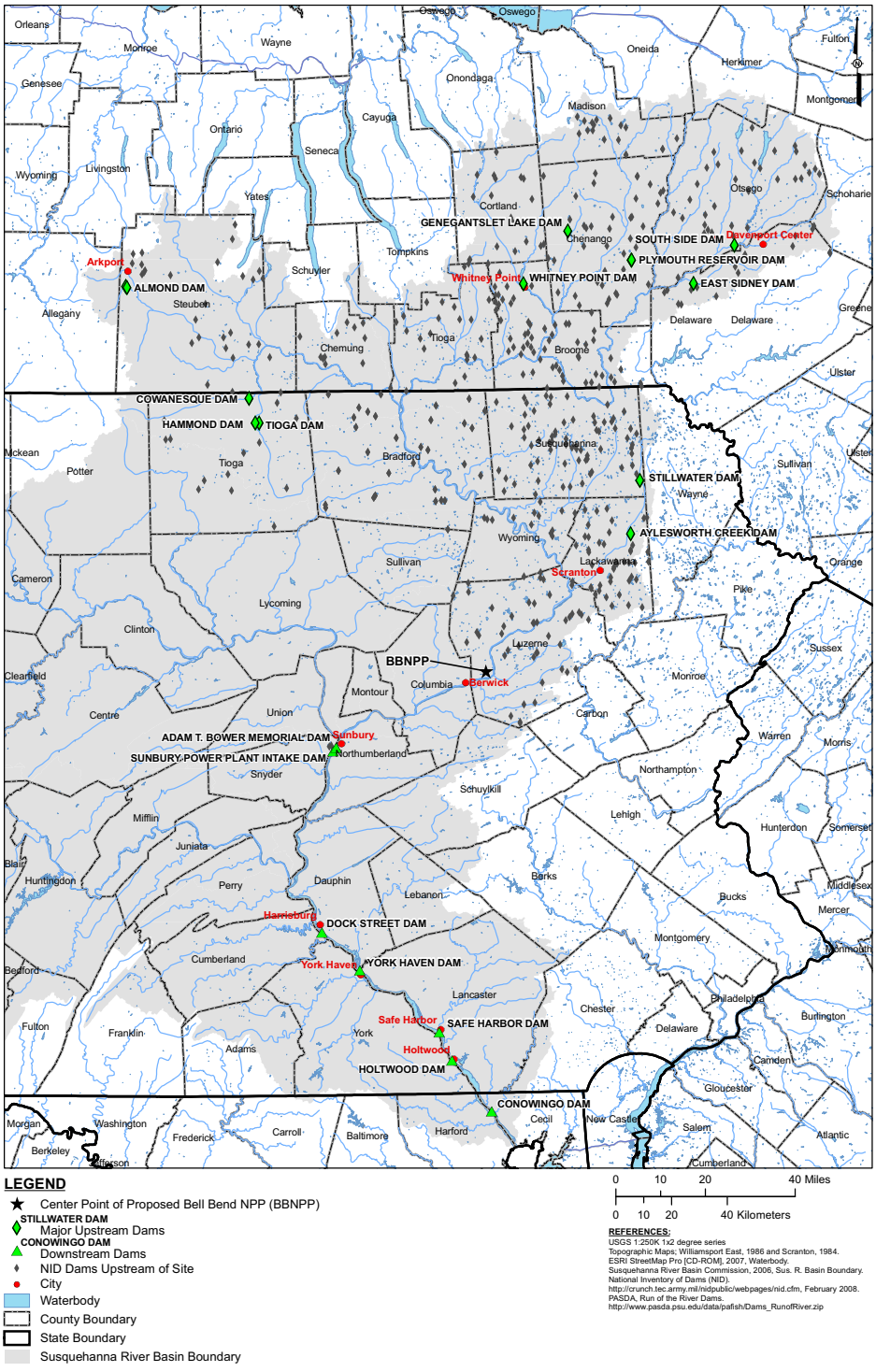
*EXPLANATION OF ZONE DESIGNATIONS

ZONE	EXPLANATION
A	Areas of 100-year flood; base flood elevations and flood hazard factors not determined.
A0	Areas of 100-year shallow flooding where depths are between one (1) and three (3) feet; average depths of inundation are shown, but no flood hazard factors are determined.
AH	Areas of 100-year shallow flooding where depths are between one (1) and three (3) feet; base flood elevations are shown, but no flood hazard factors are determined.
A1-A30	Areas of 100-year flood; base flood elevations and flood hazard factors determined.
A99	Areas of 100-year flood to be protected by flood protection system under construction; base flood elevations and flood hazard factors not determined.
B	Areas between limits of the 100-year flood and 500-year flood; or certain areas subject to 100-year flooding with average depths less than one (1) foot or where the contributing drainage area is less than one square mile; or areas protected by levees from the base flood. (Medium shading)
C	Areas of minimal flooding. (No shading)
D	Areas of undetermined, but possible, flood hazards.
V	Areas of 100-year coastal flood with velocity (wave action); base flood elevations and flood hazard factors not determined.
V1-V30	Areas of 100-year coastal flood with velocity (wave action); base flood elevations and flood hazard factors determined.

This is an official copy of a portion of the above referenced flood map. It was extracted using F-MIT On-Line. This map does not reflect changes or amendments which may have been made subsequent to the date on the title block. For the latest product information about National Flood Insurance Program flood maps check the FEMA Flood Map Store at www.msc.fema.gov

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Figure 2.3-16 {Dams within the Susquehanna River Basin}



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Figure 2.3-17 {Physiographic Provinces of Pennsylvania}

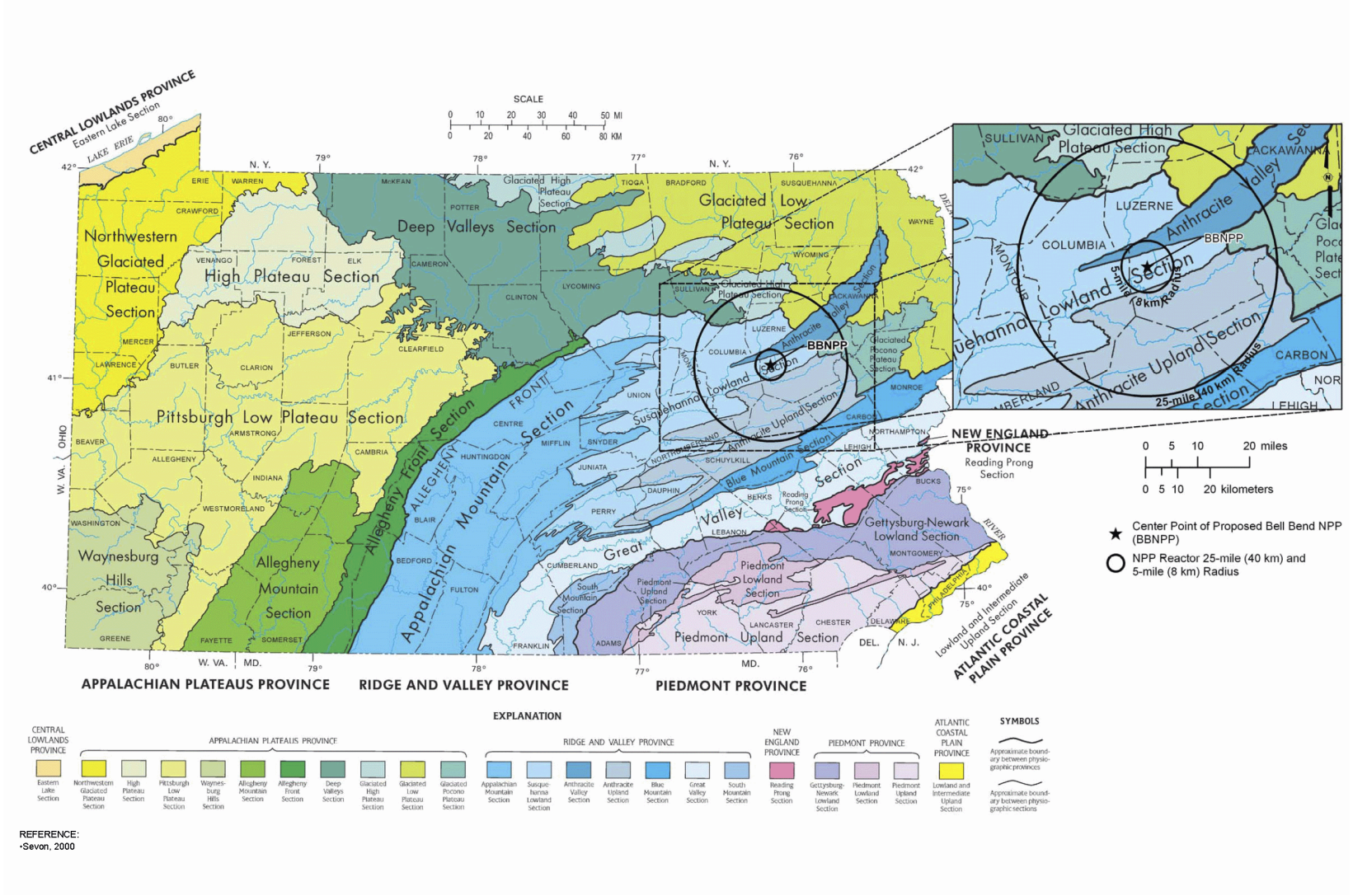
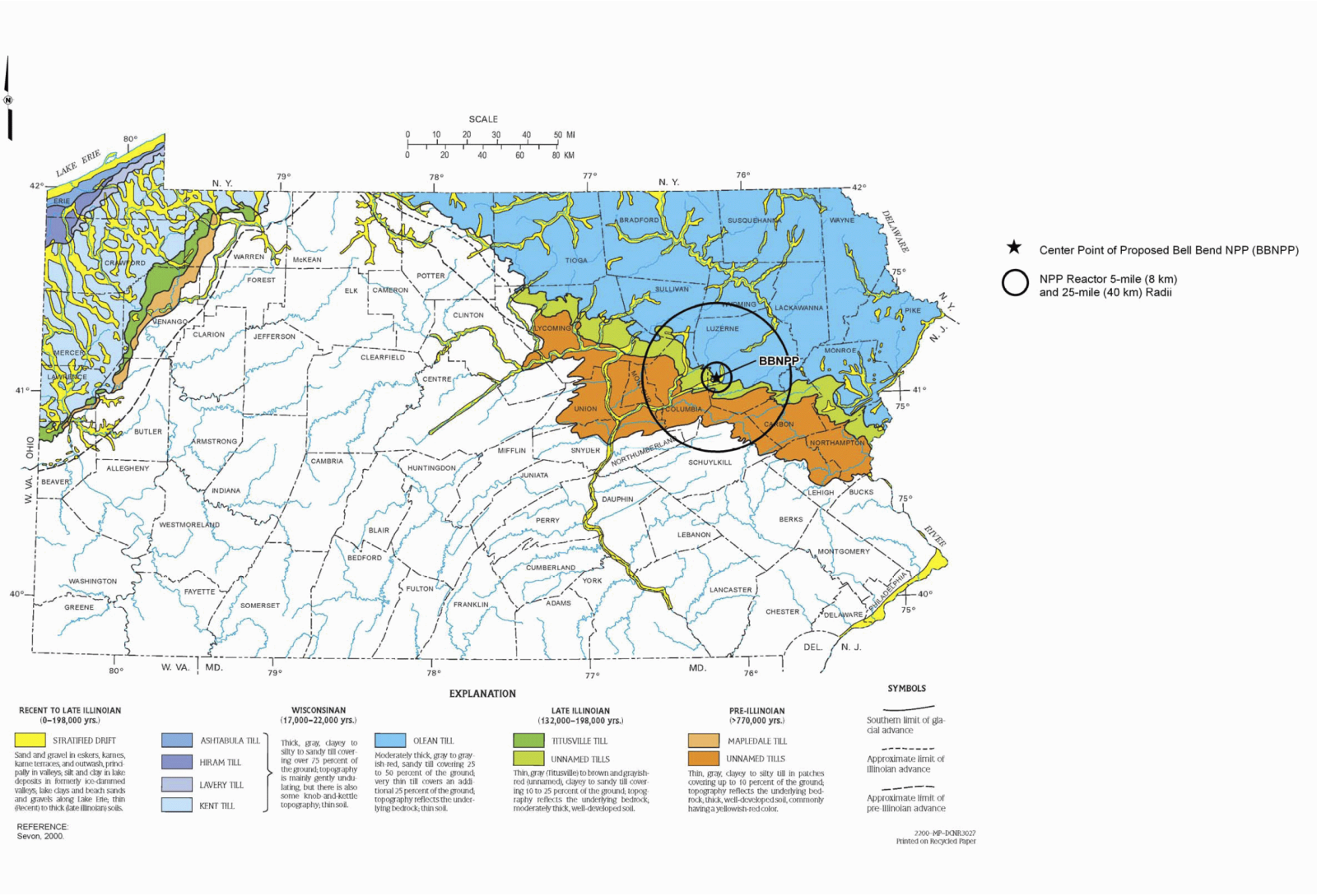


Figure 2.3-18 {Glacial Deposits of Pennsylvania}



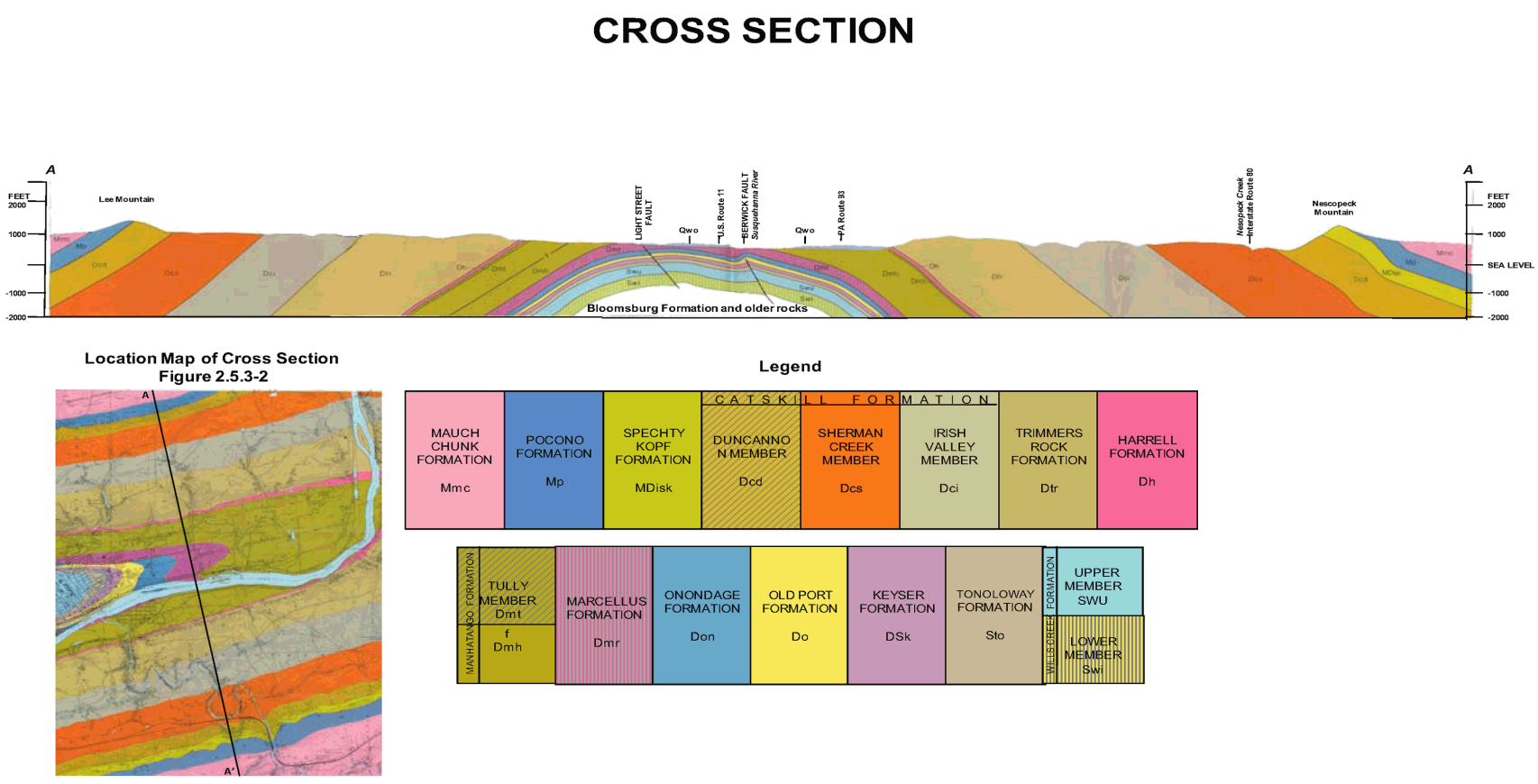
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Figure 2.3-19 {Geologic Map of the BBNPP Site and Vicinity}



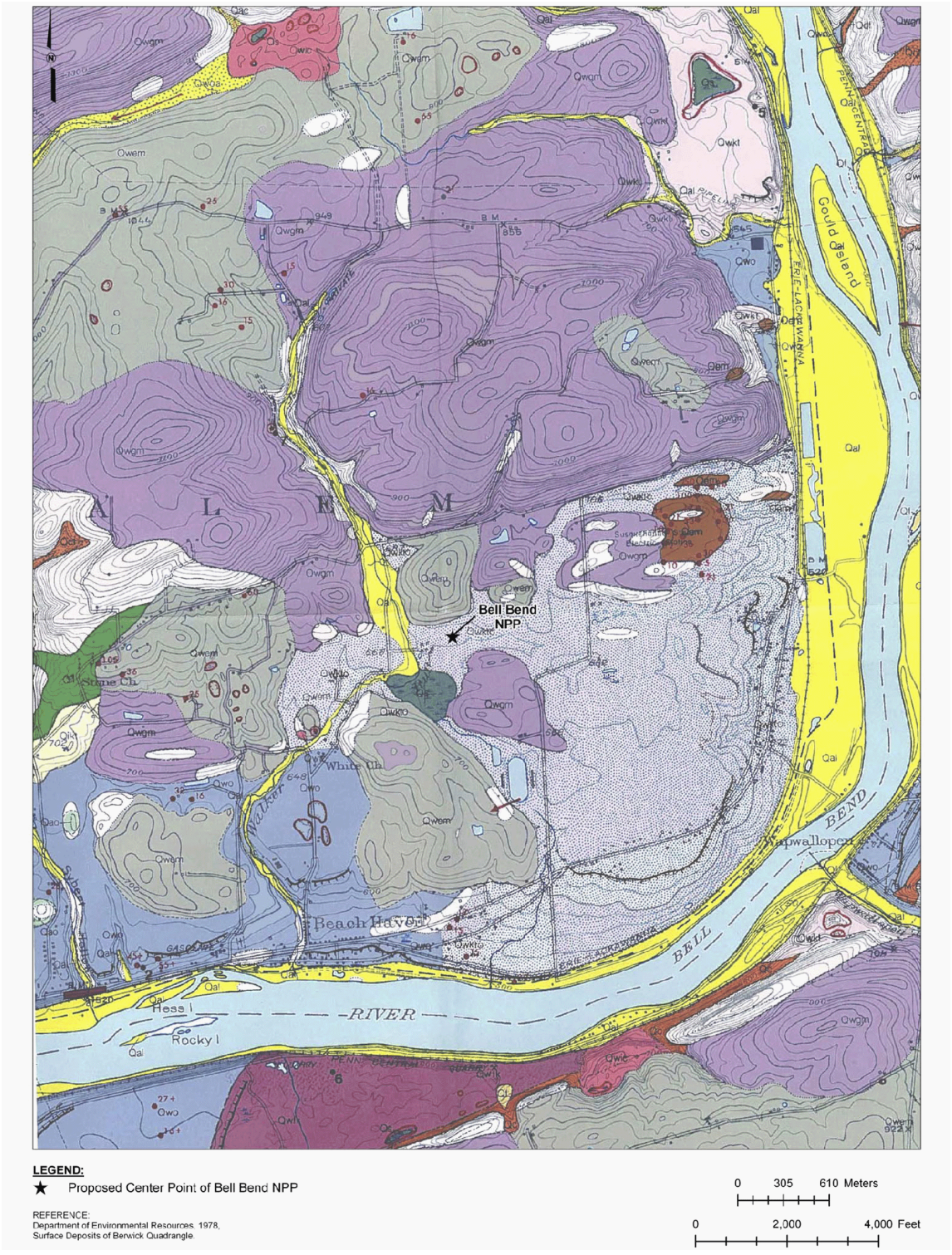
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Figure 2.3-20 {Stratigraphy and Geologic Cross Section of the Berwick Anticlinorium}



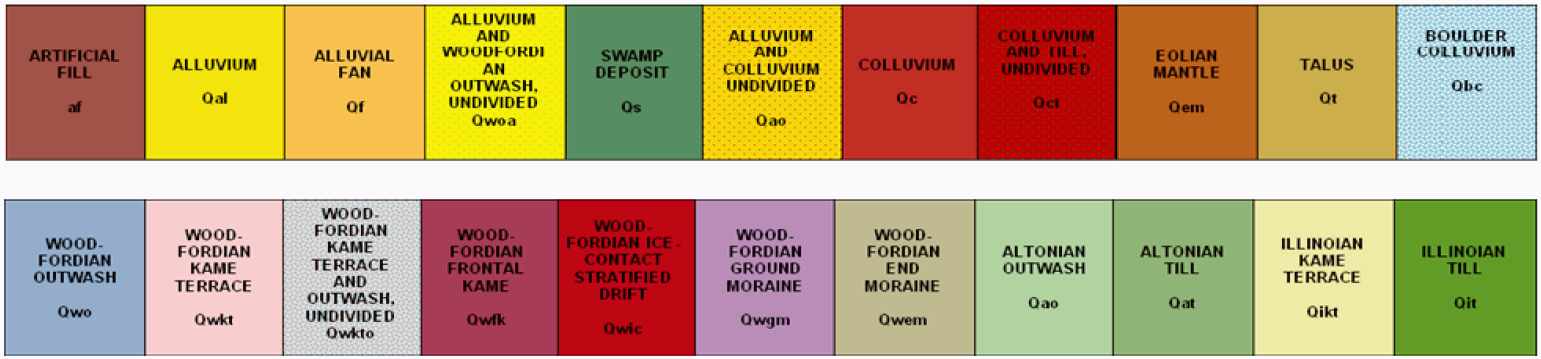
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Figure 2.3-21 {Surficial Deposits at BBNPP Site and Vicinity}



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Figure 2.3-22 {Legend of Surficial Deposits}

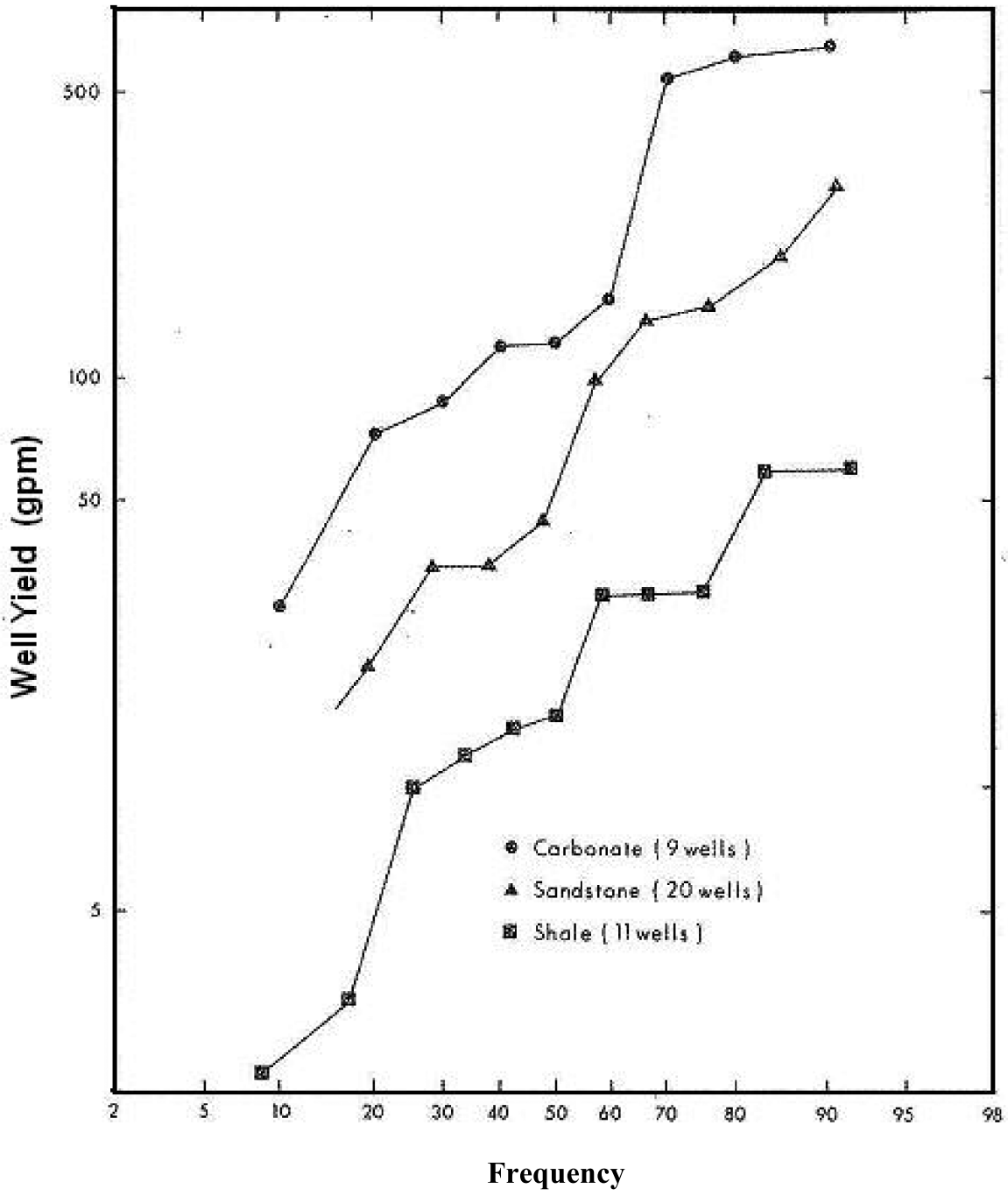


Note: Refer to previous figure for Surficial Geologic Map of Berwick Quadrangle

REFERENCE:
Inners, 1978

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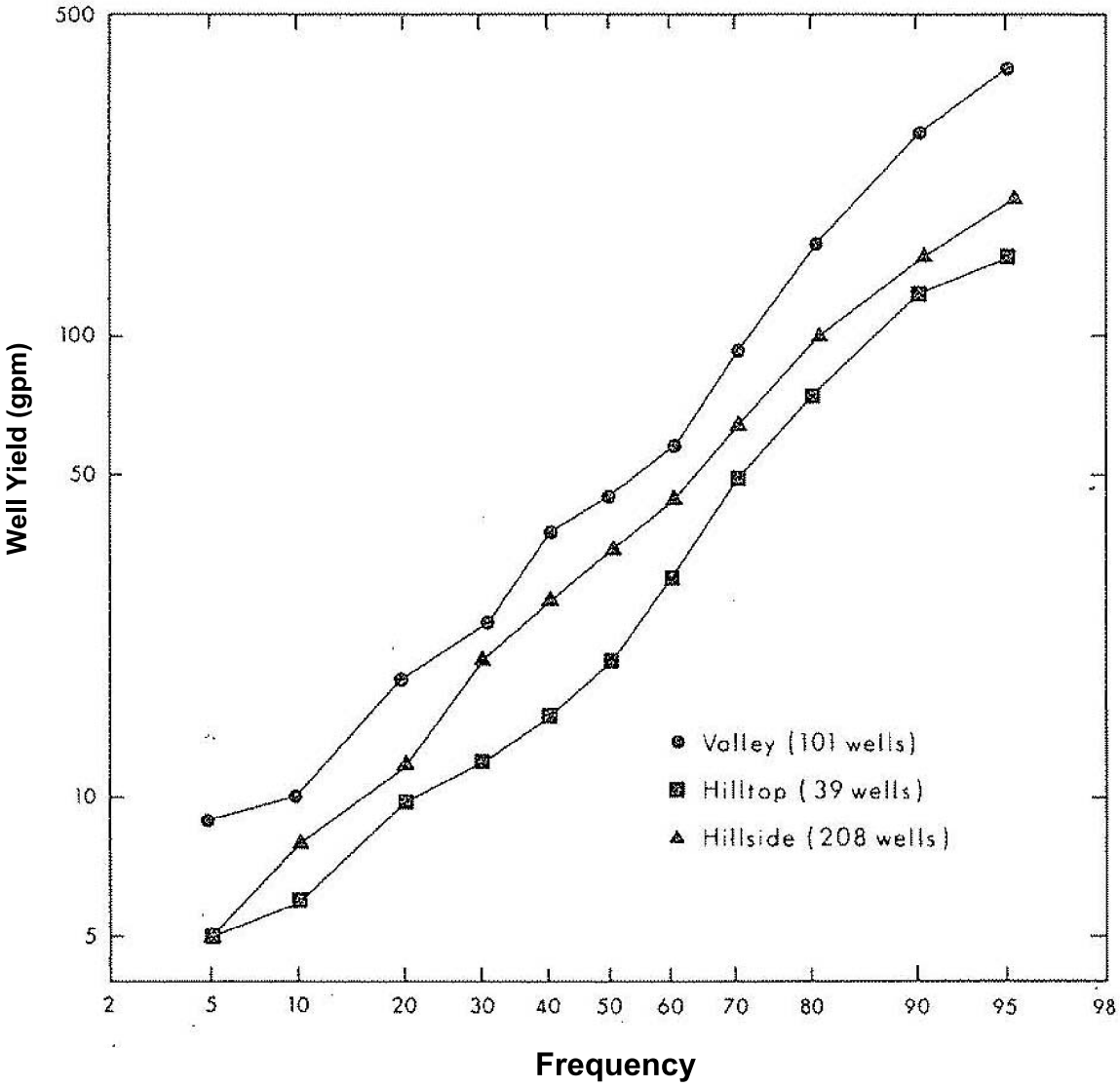
Figure 2.3-23 {Frequency Distribution of Nondomestic Well Yields Grouped According to Dominant Rock Type}



Reference: Taylor, 1984

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Figure 2.3-24 {Frequency Distribution of Nondomestic Well Yields Grouped According to Topographic Setting}

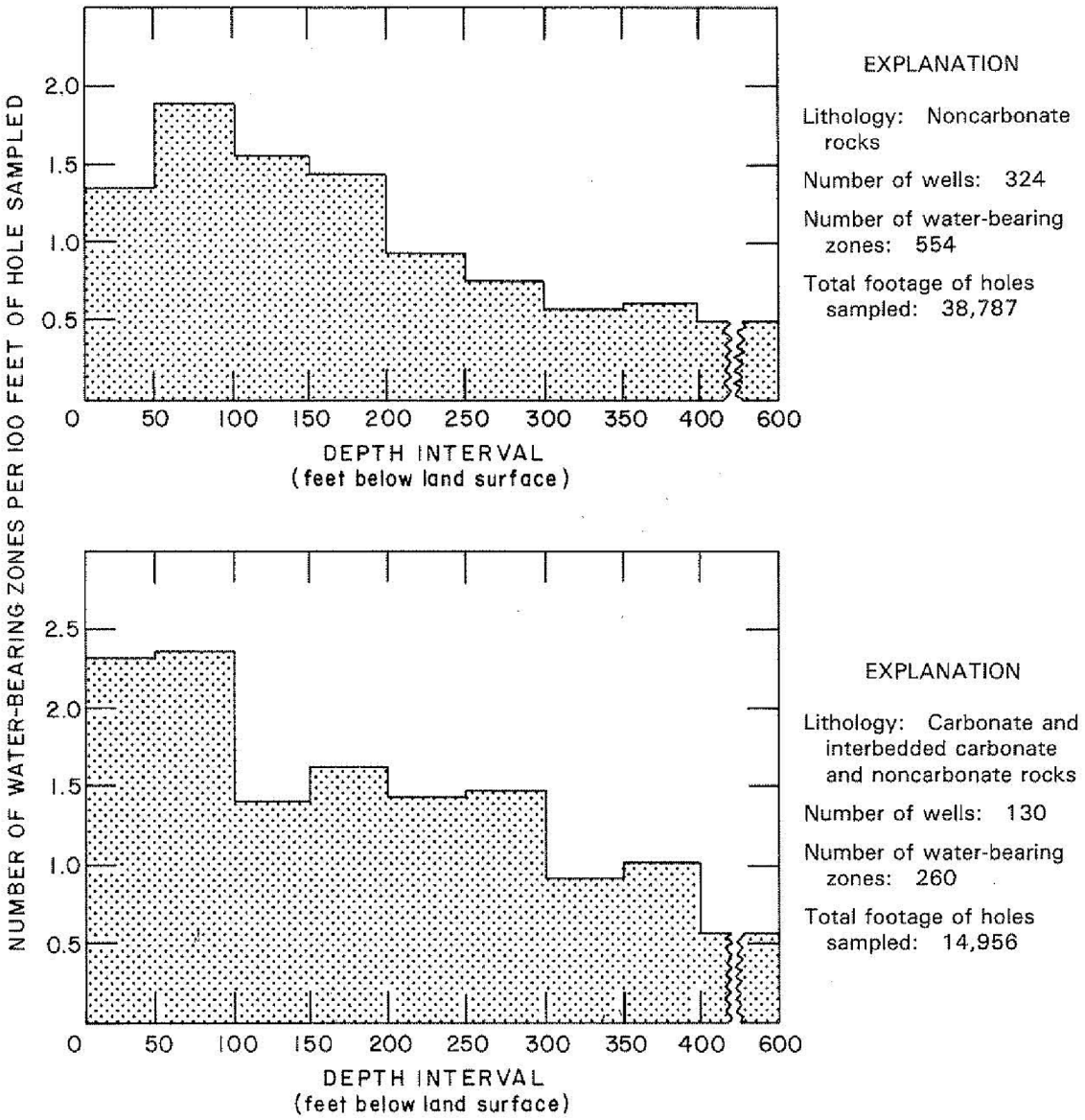


(percent of yield equal to or less than value shown)

Reference: Taylor, 1984

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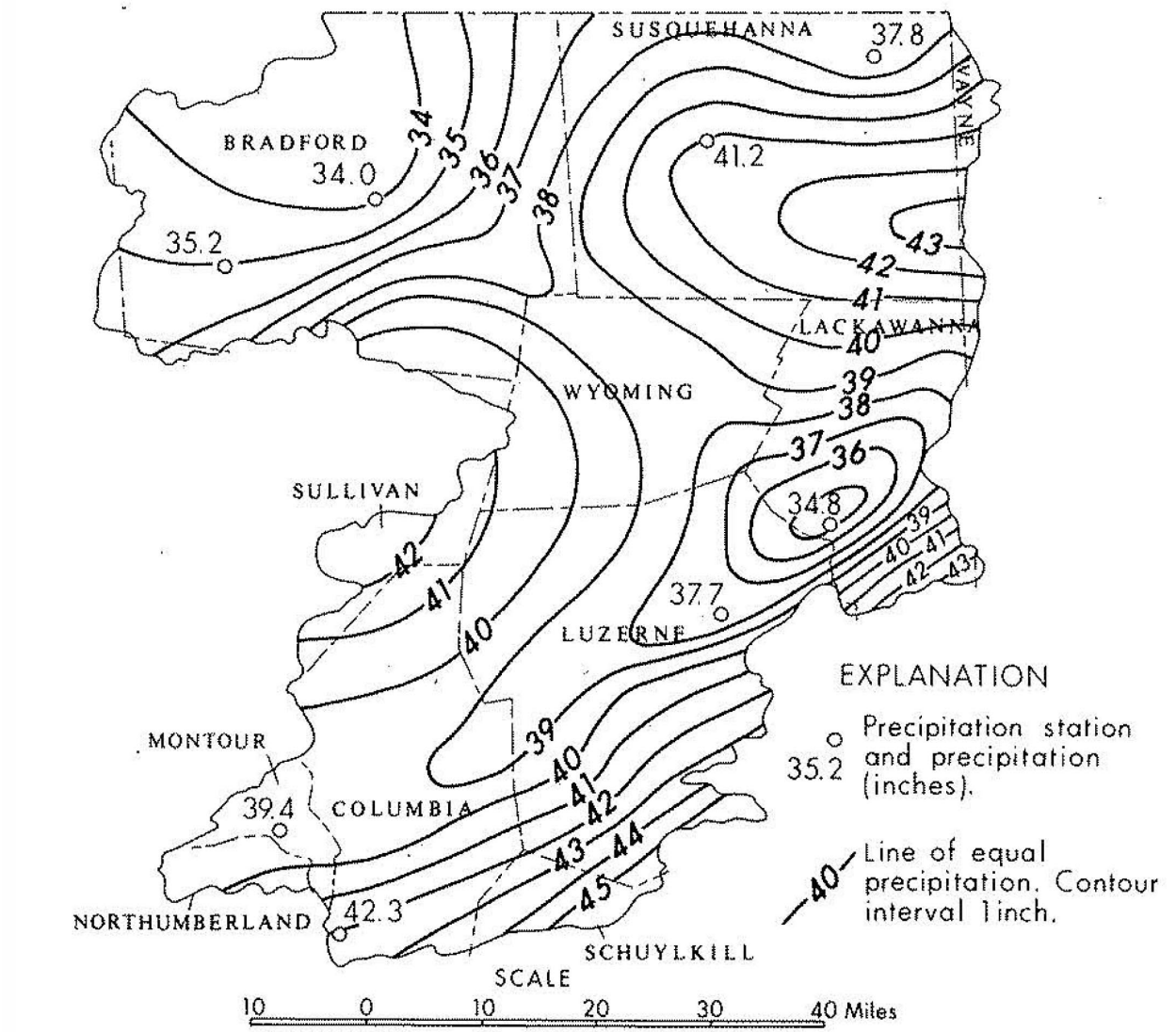
Figure 2.3-25 {Distribution of Water-Bearing Zones With Depth}



Reference: Williams, 1987

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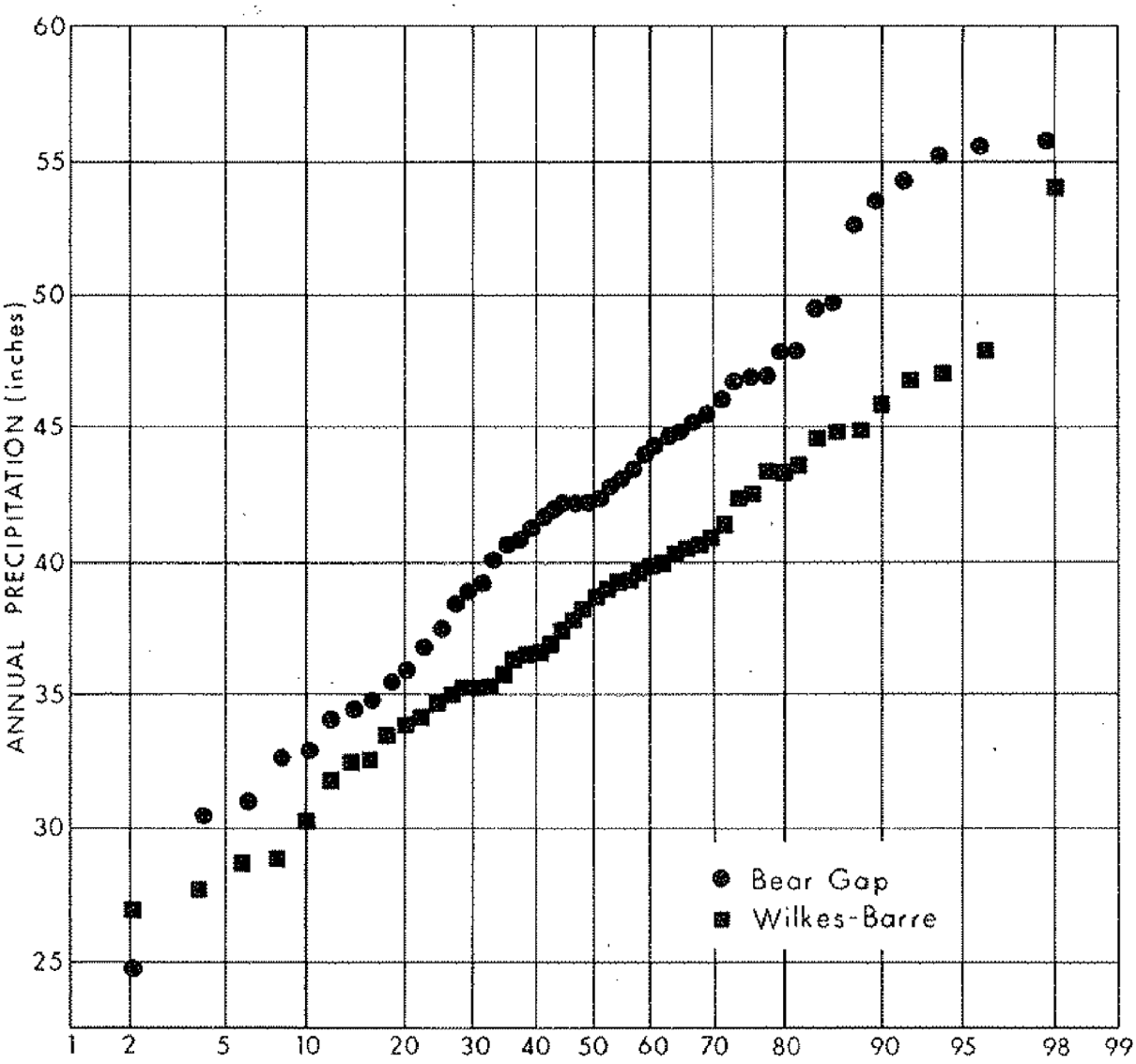
Figure 2.3-26 {Average Annual Precipitation in the North Branch of the Susquehanna River Basin in Pennsylvania, 1941 - 1970}



Reference: Taylor, 1984

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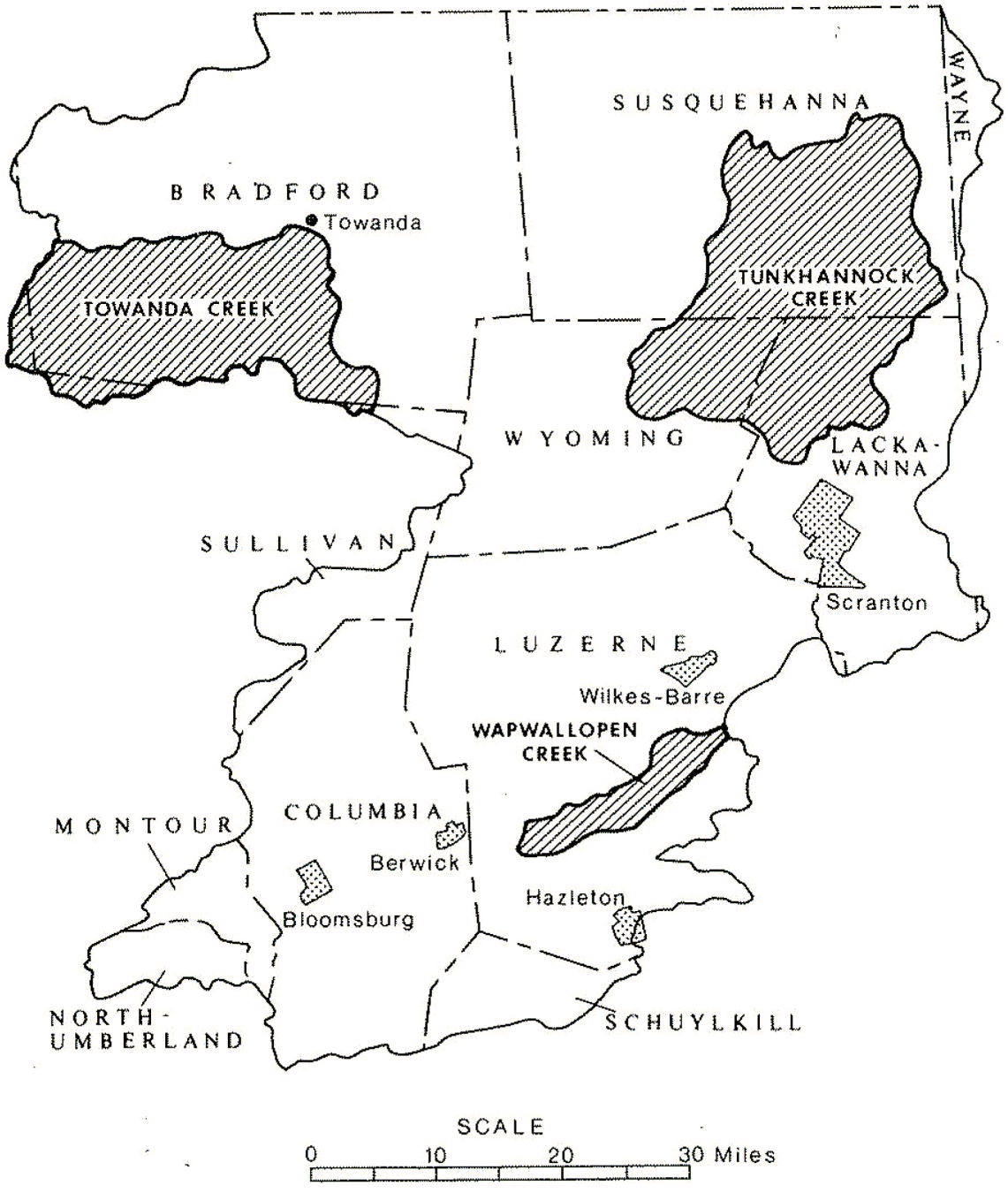
Figure 2.3-27 {Percent Frequency Distribution of Annual Precipitation in the Southern Part of the North Branch Susquehanna River Basin, 1931 - 1980}



Reference: Taylor, 1984

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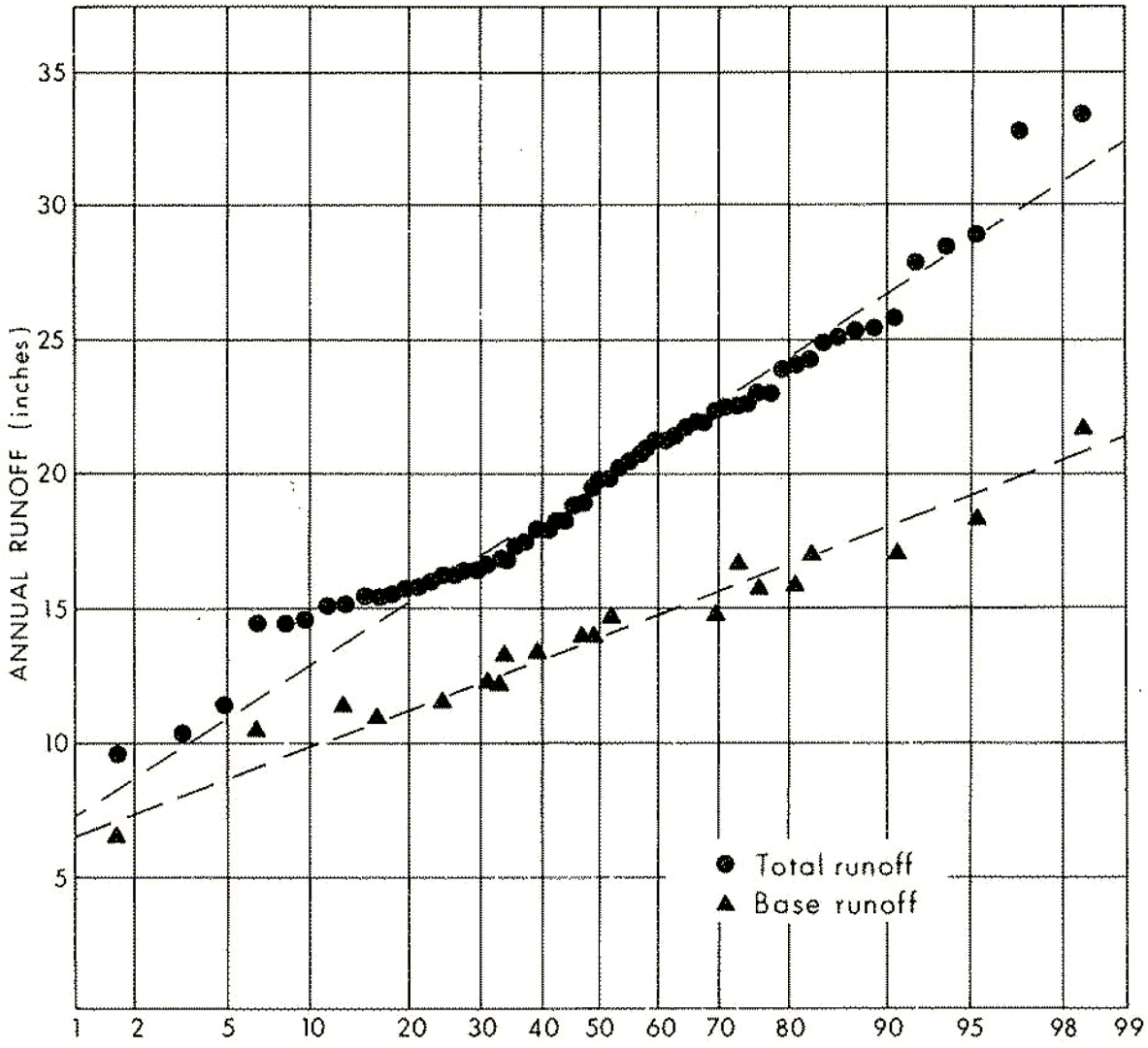
Figure 2.3-28 {Locations of Drainage Basins Where Long-Term Water Budget Analyses Have Been Performed}



Reference: Taylor, 1984

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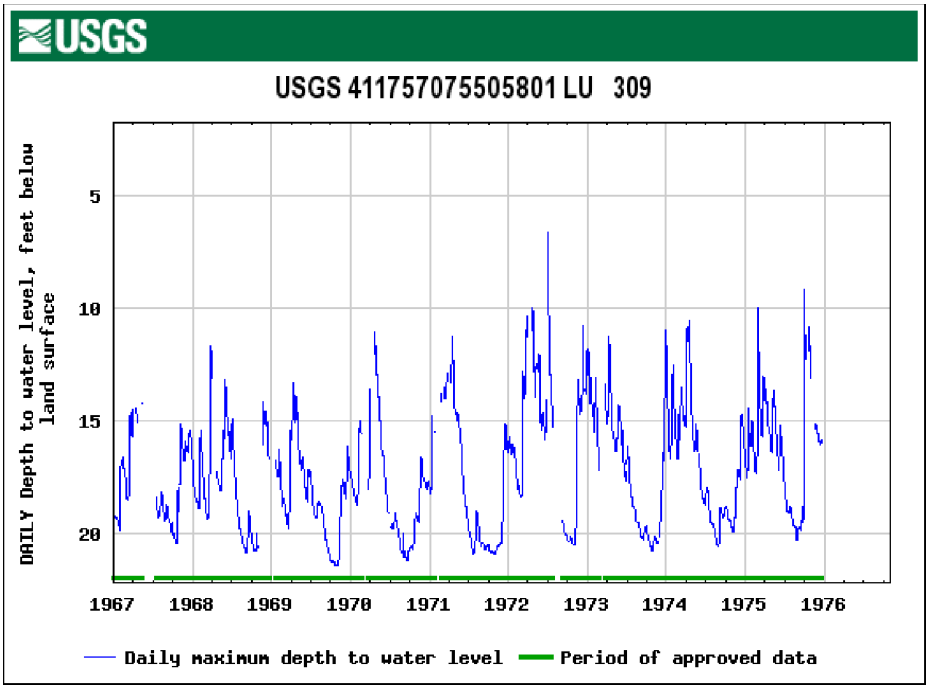
Figure 2.3-29 {Percent Frequency Distribution of Annual Runoff from Wapwallopen Creek, Pennsylvania, 1920 - 1980}

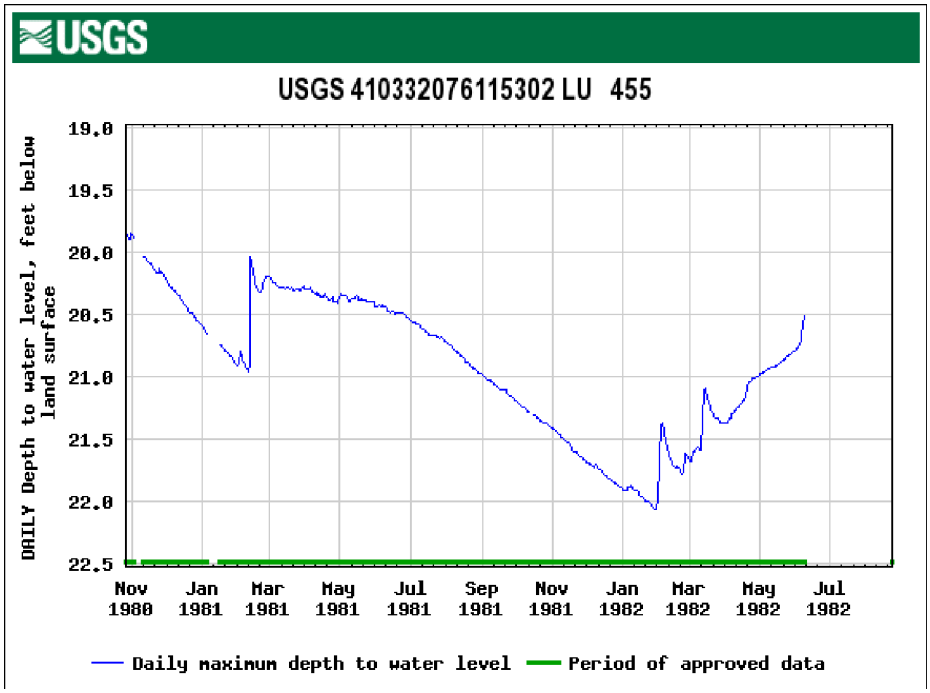


Reference: Taylor, 1984

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Figure 2.3-30 {Hydrographs of Two USGS Monitoring Wells in Luzerne County Screened in Glacial Overburden}

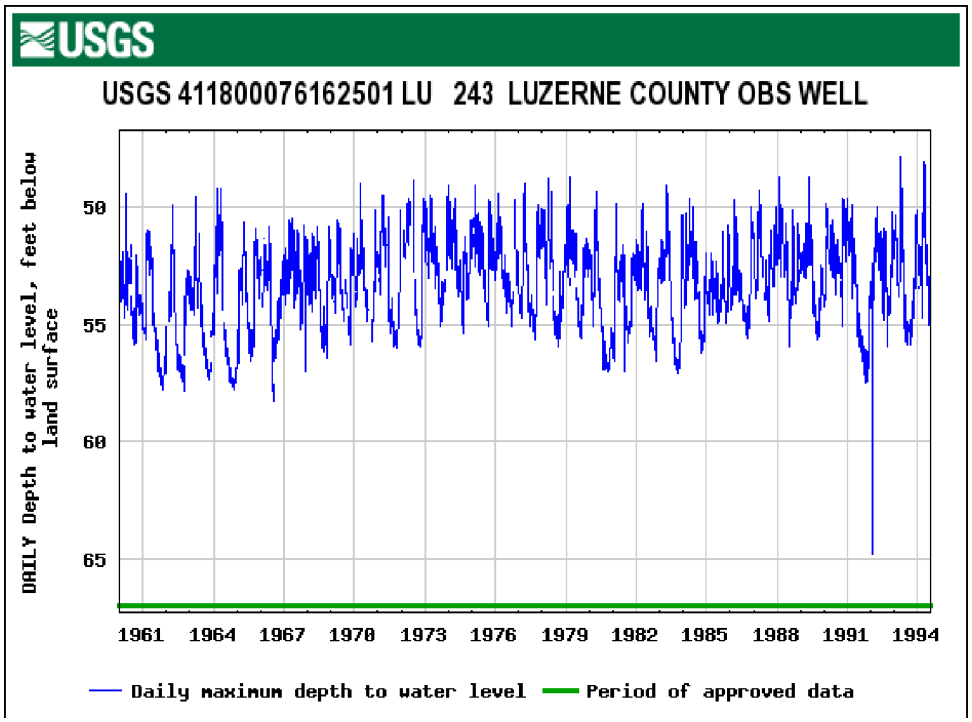


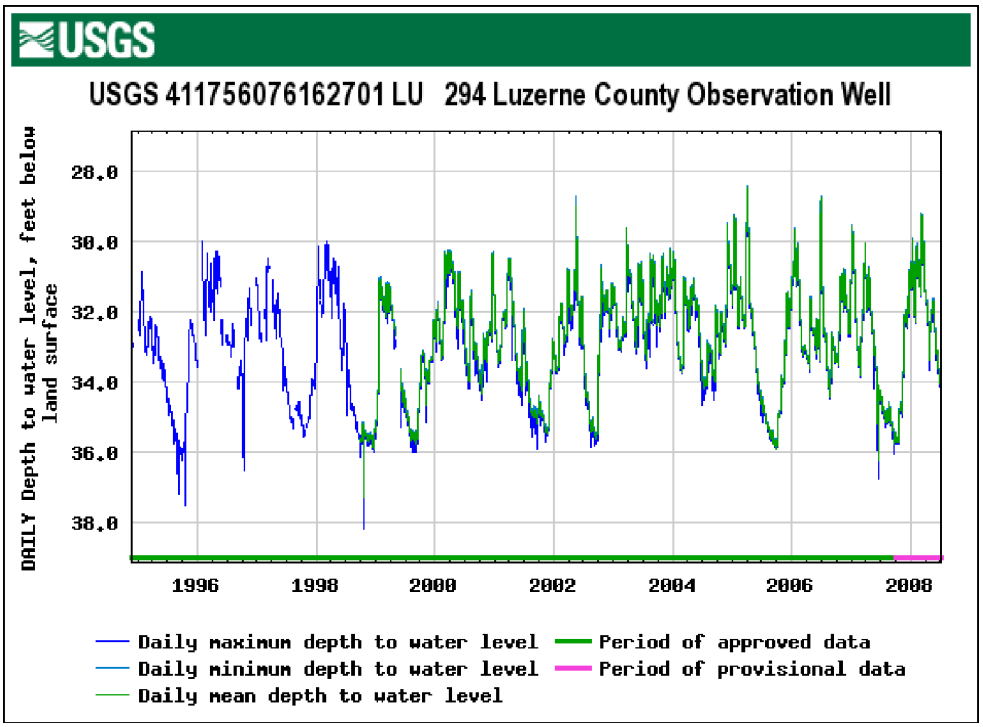


Reference: USGS, 2008j

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Figure 2.3-31 {Hydrographs of Two USGS Monitoring Wells in Luzerne County Screened in the Catskill Formation}





Reference: USGS, 2008j

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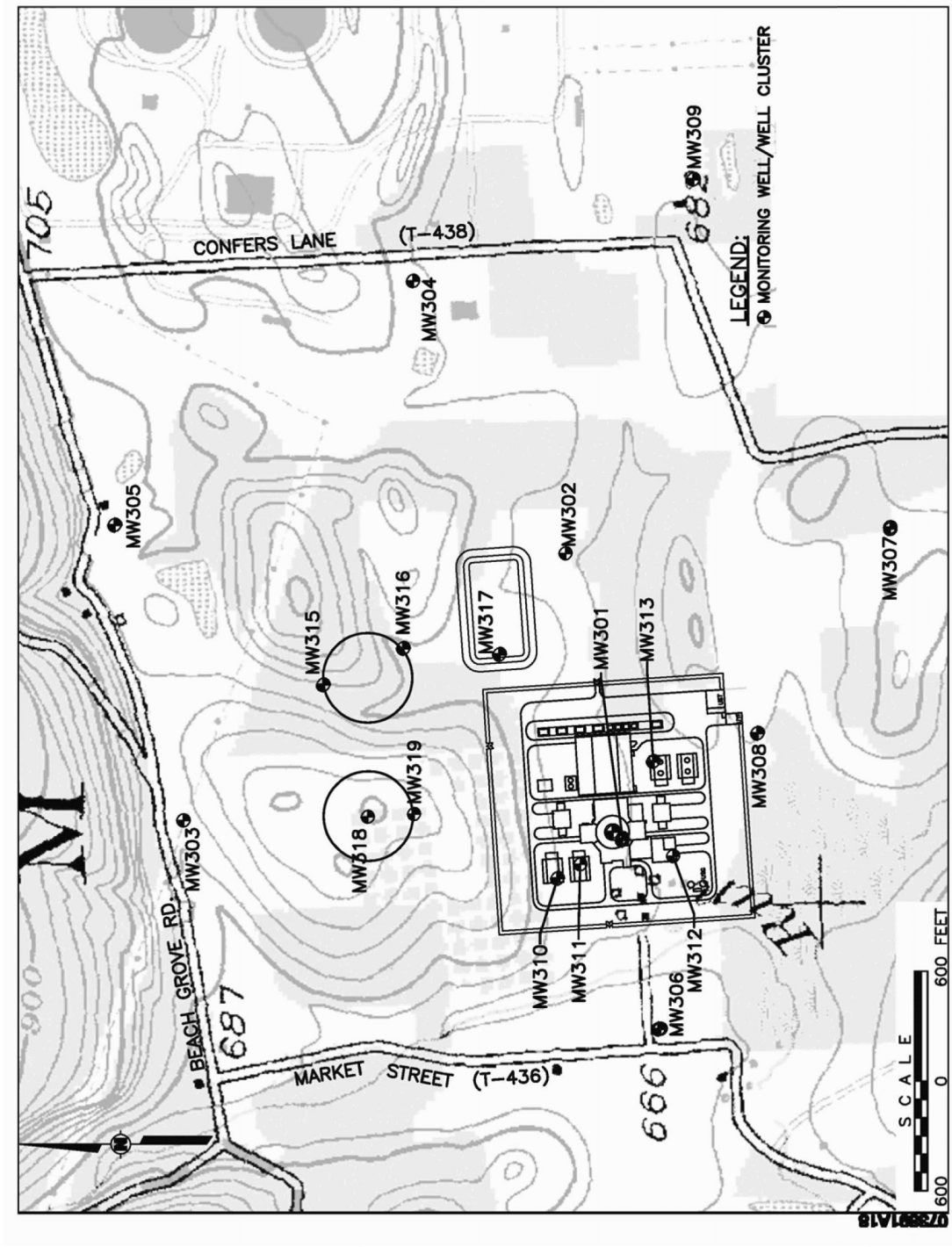


Figure 2.3-32 {Locations of Groundwater Monitoring Wells}

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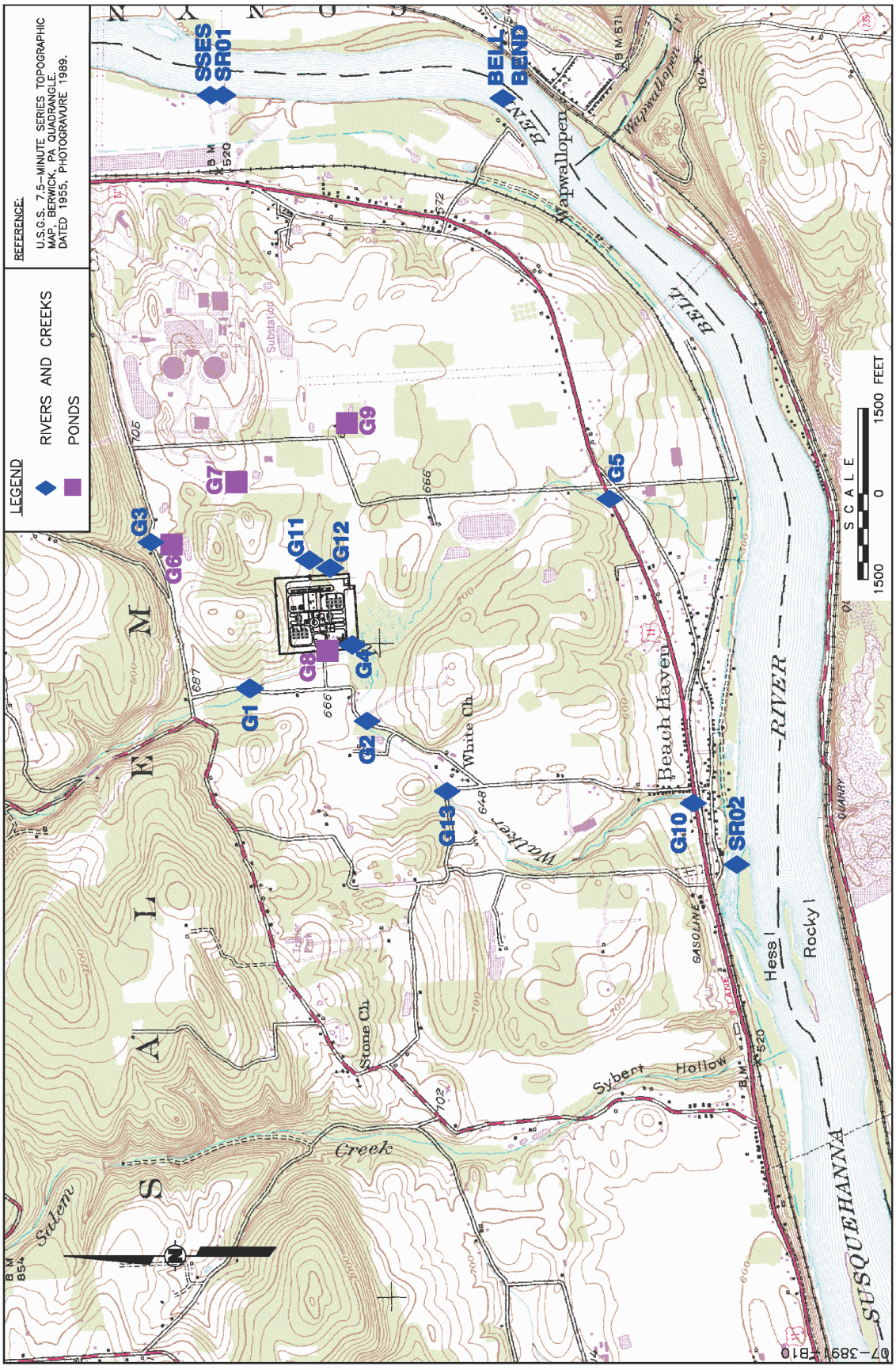


Figure 2.3-33 {Locations of BBNPP Surface Water Monitoring Stations}

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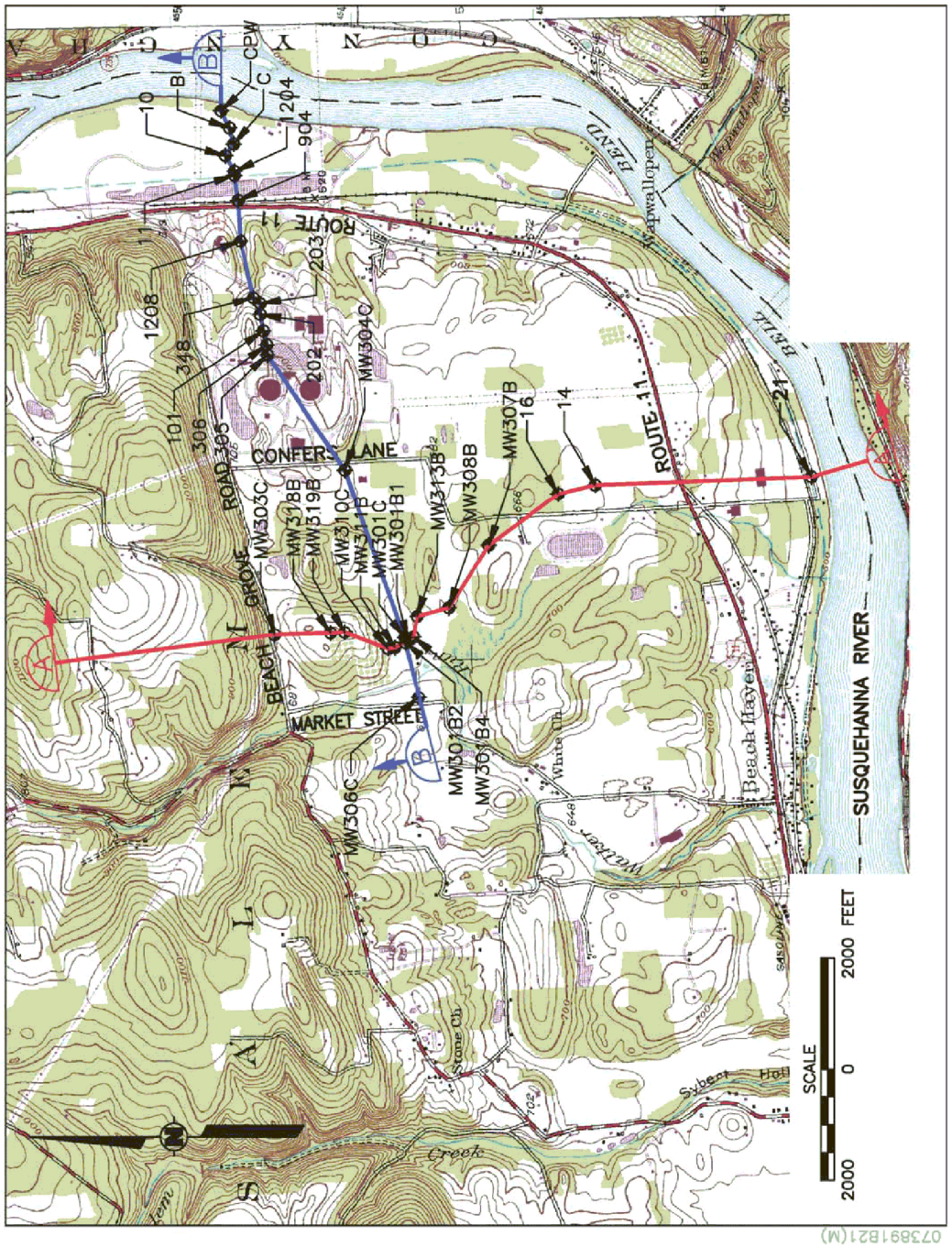
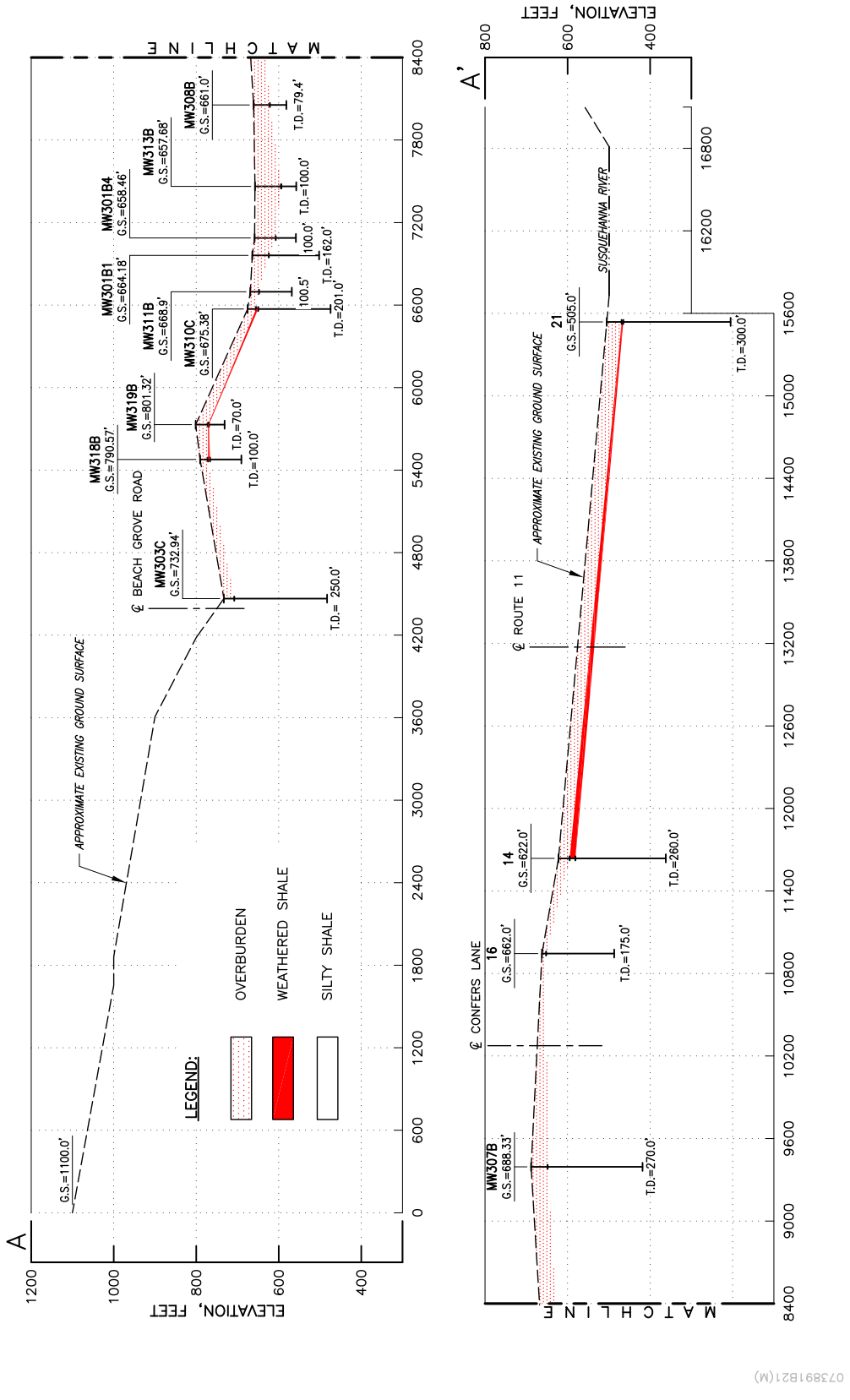


Figure 2.3-34 {Locations of Hydrogeological Cross Sections}

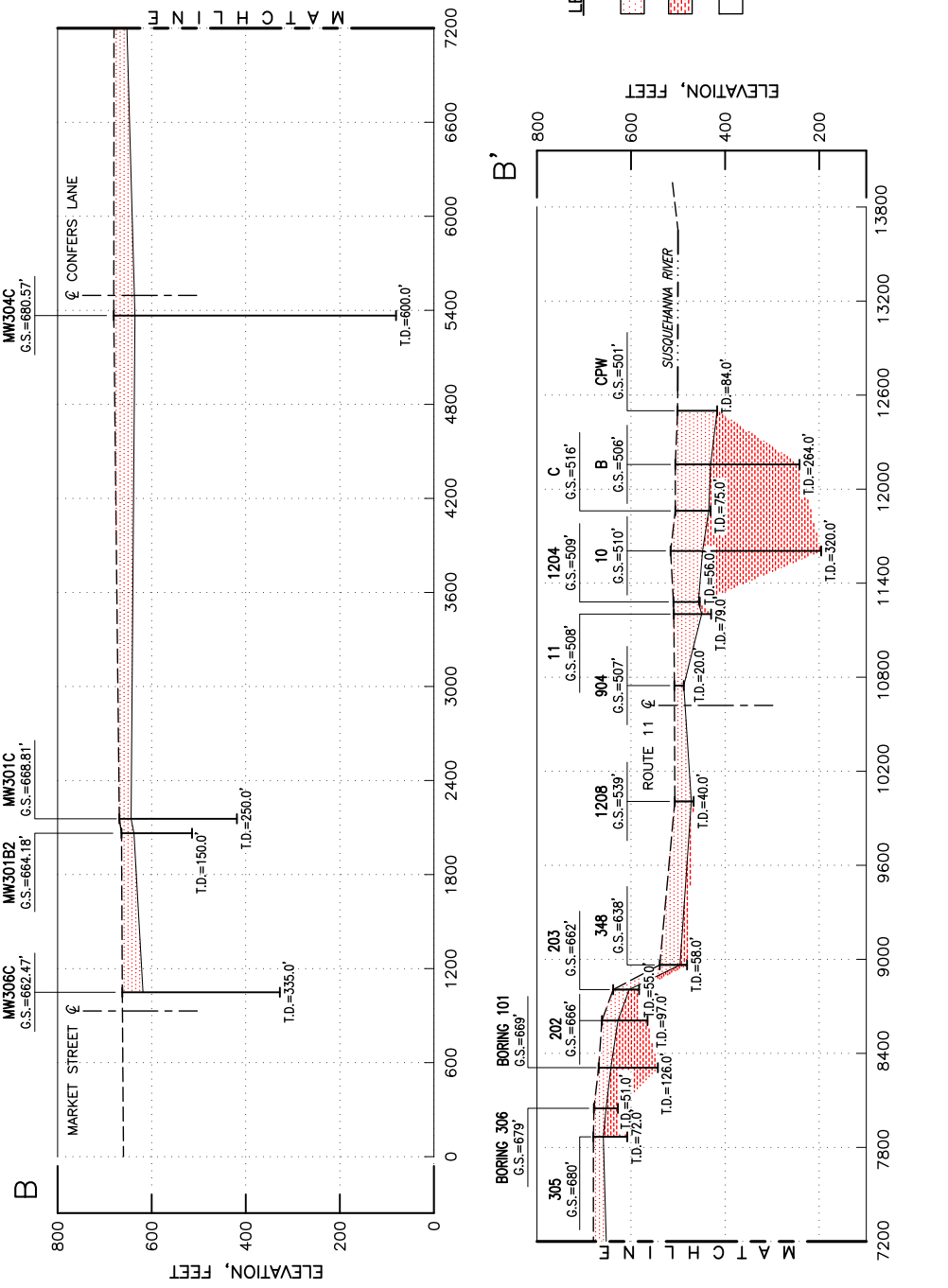
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Figure 2.3-35 {Hydrogeological Cross Section A-A'}



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Figure 2.3-36 {Hydrogeological Cross Section B-B'}



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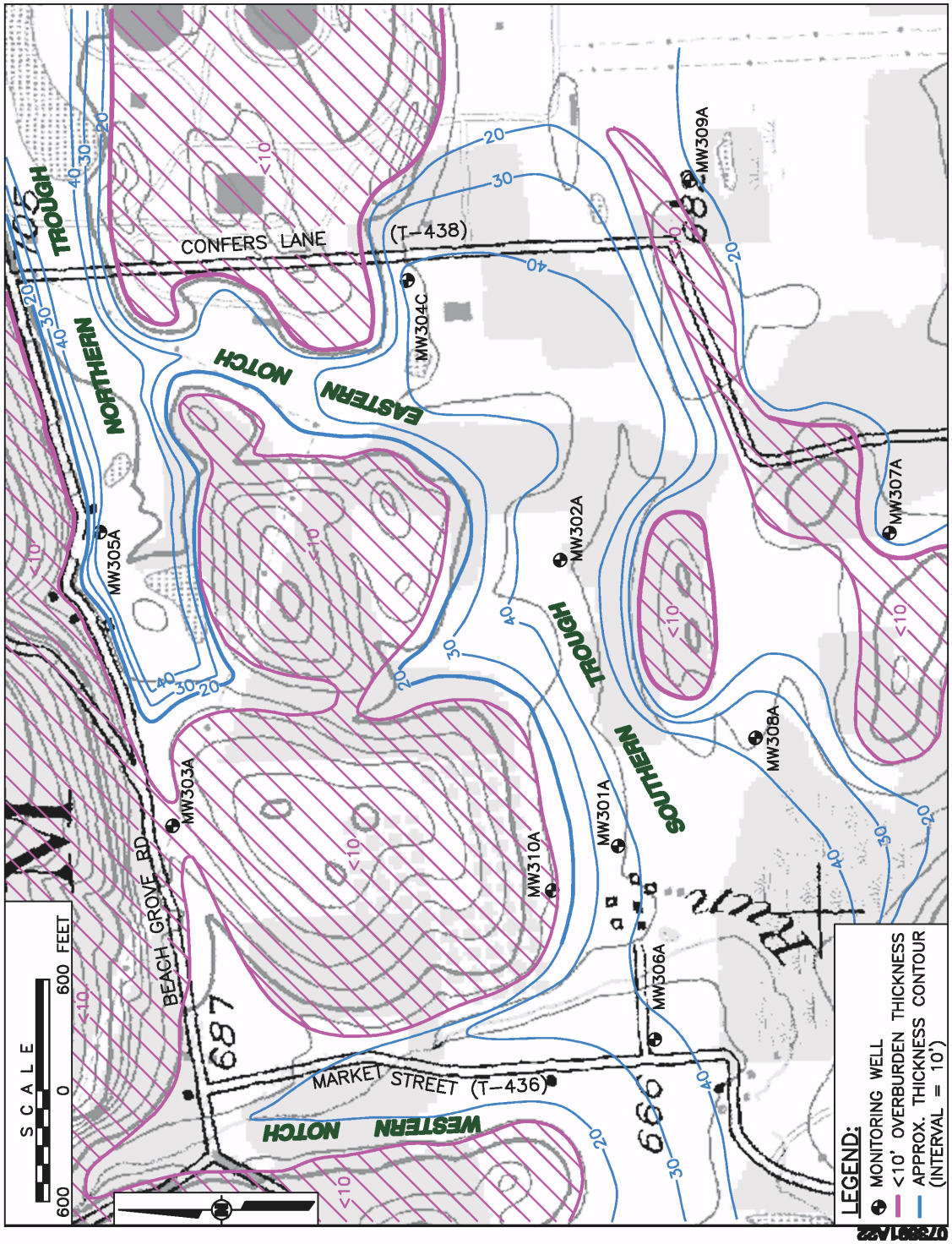


Figure 2.3-37 {Thickness Map of the Glacial Overburden Aquifer}

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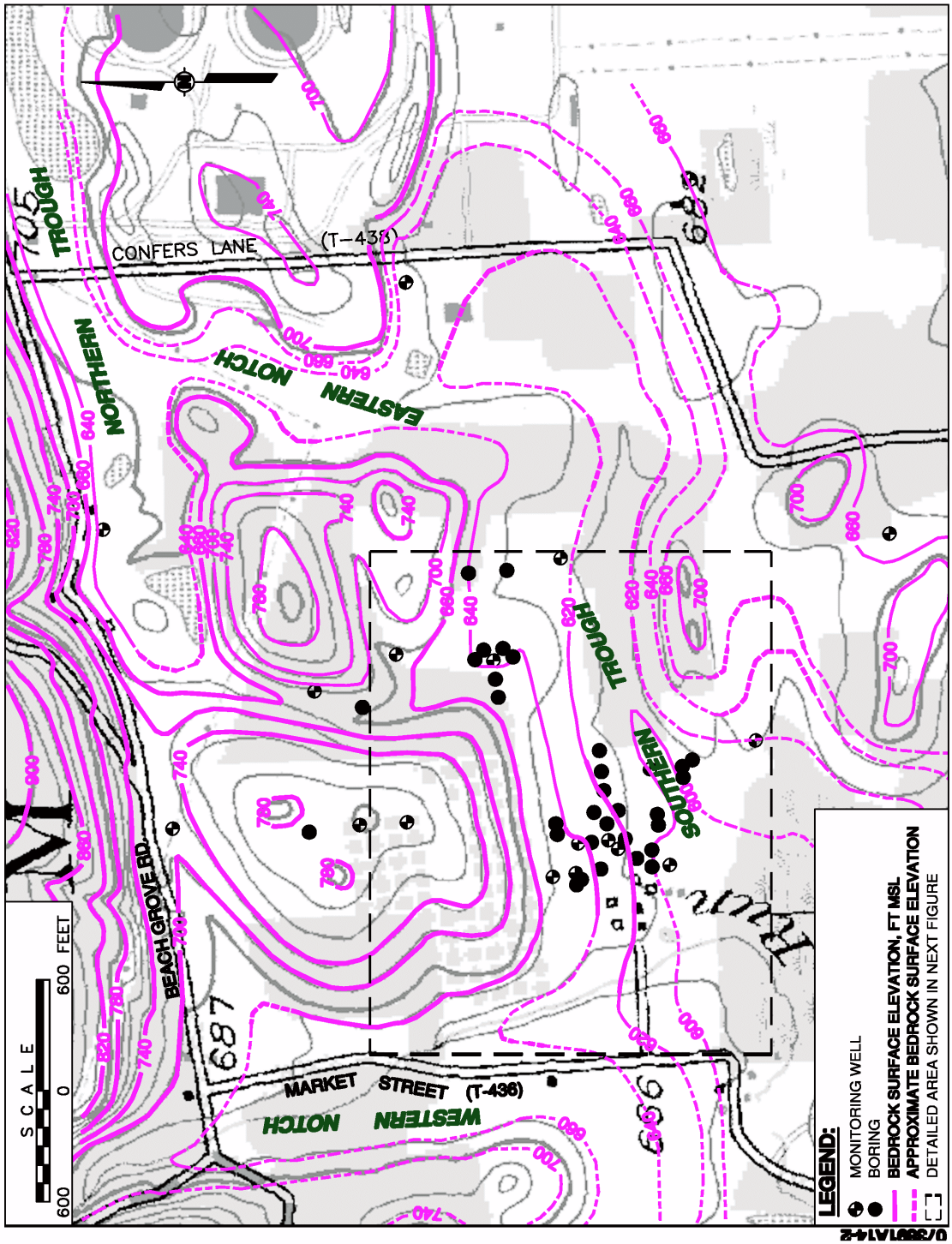


Figure 2.3-38 {Topography of Bedrock Surface}

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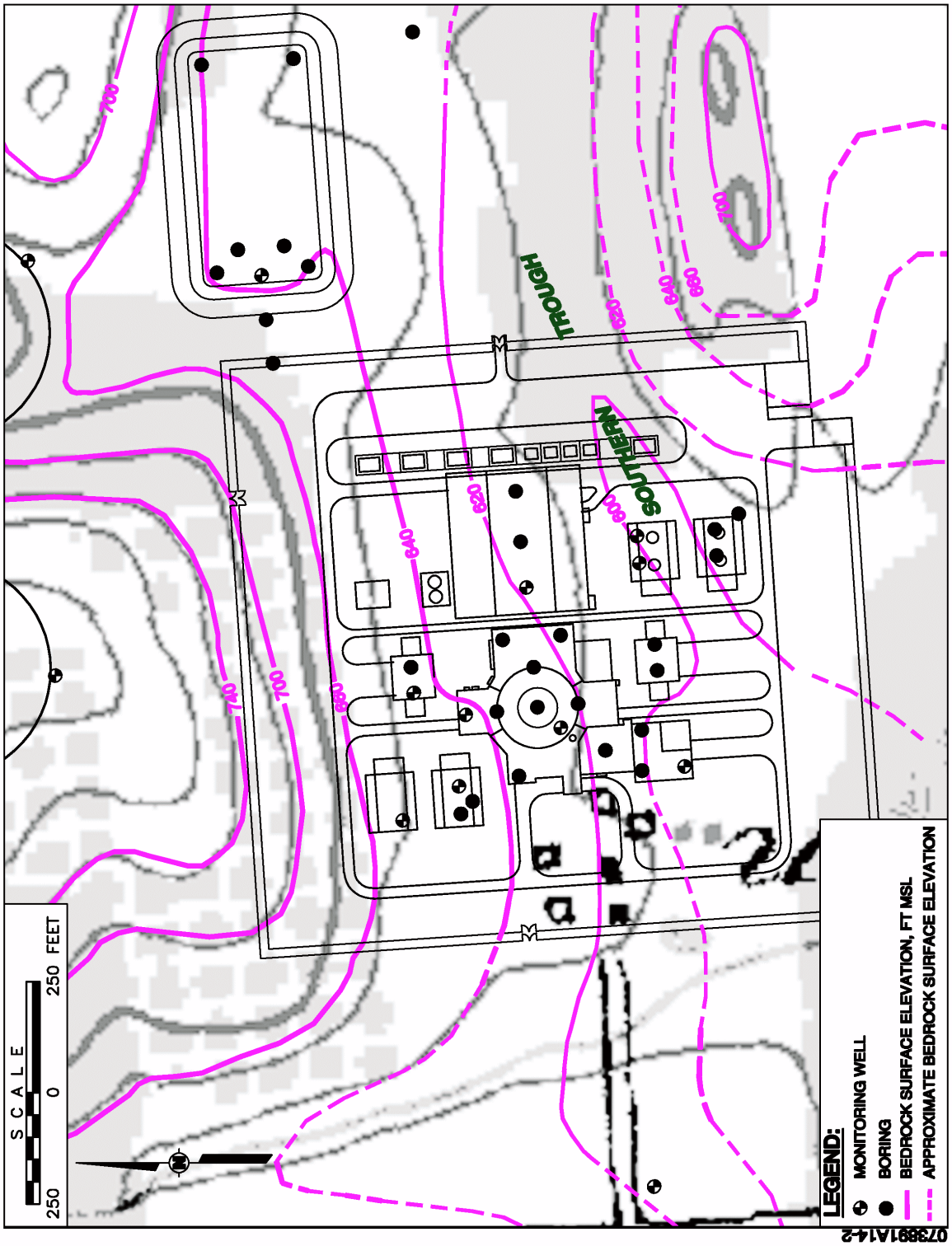
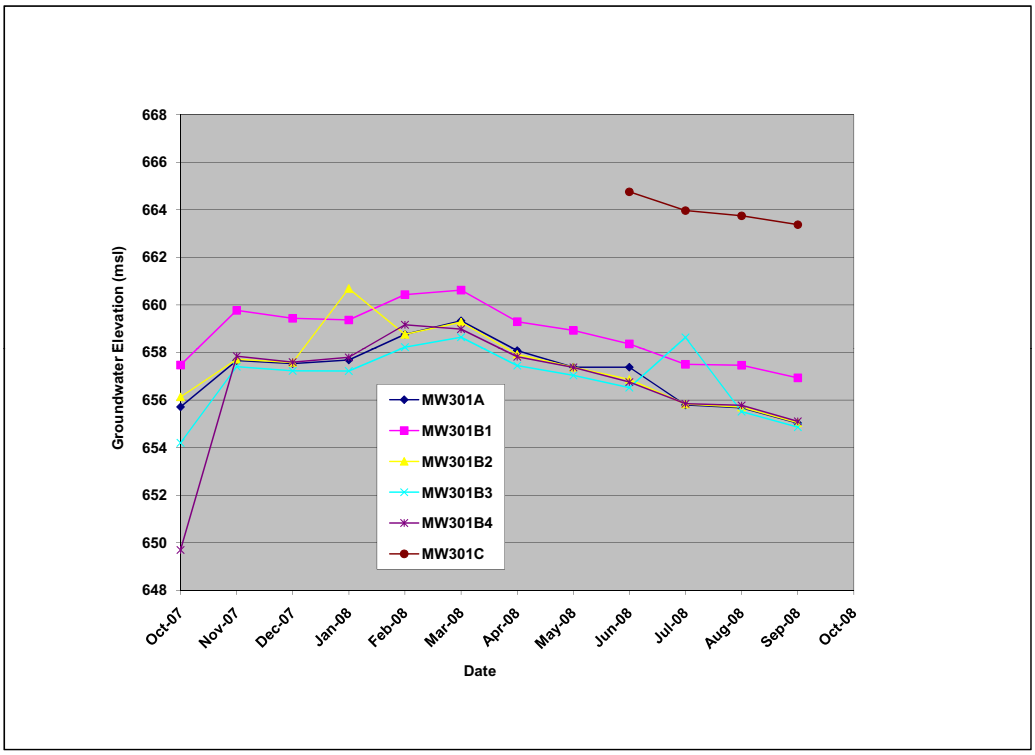
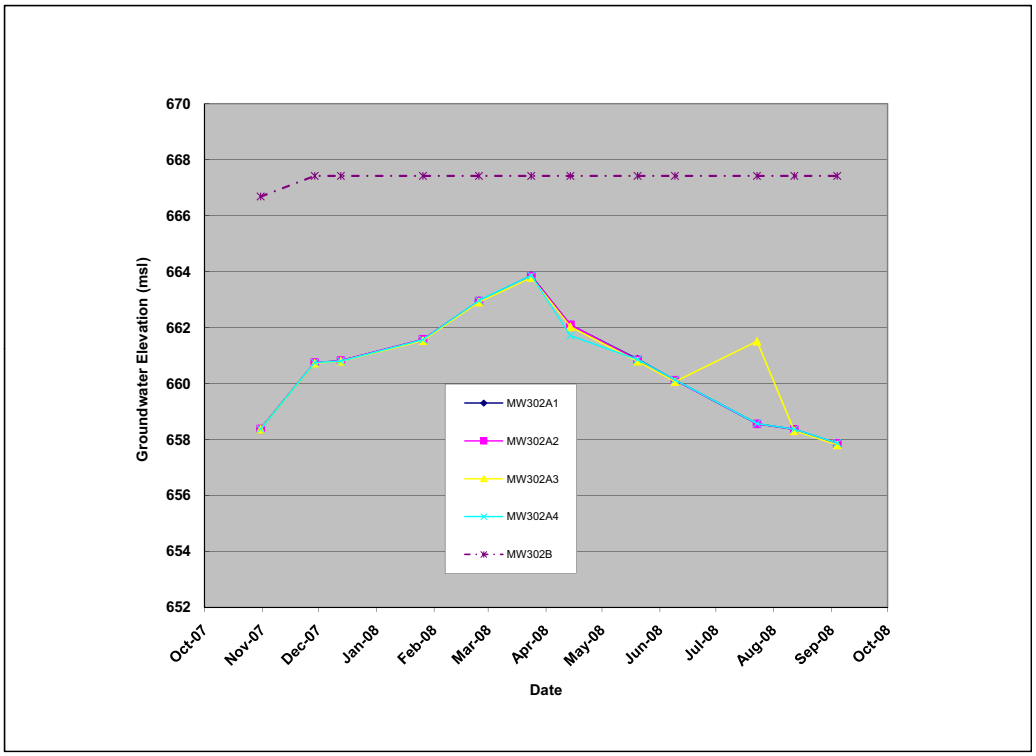


Figure 2.3-39 {Topography of Bedrock Surface in the Power Block Area}

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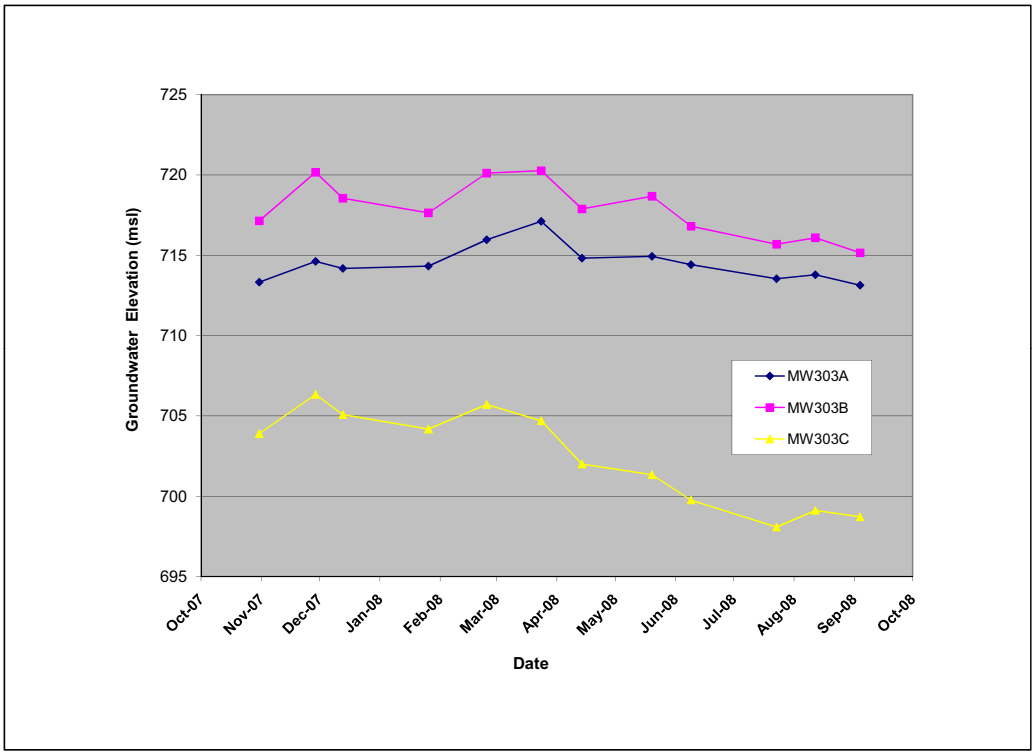
Figure 2.3-40 {Groundwater Elevations versus Time, Well Clusters MW301 and MW302}

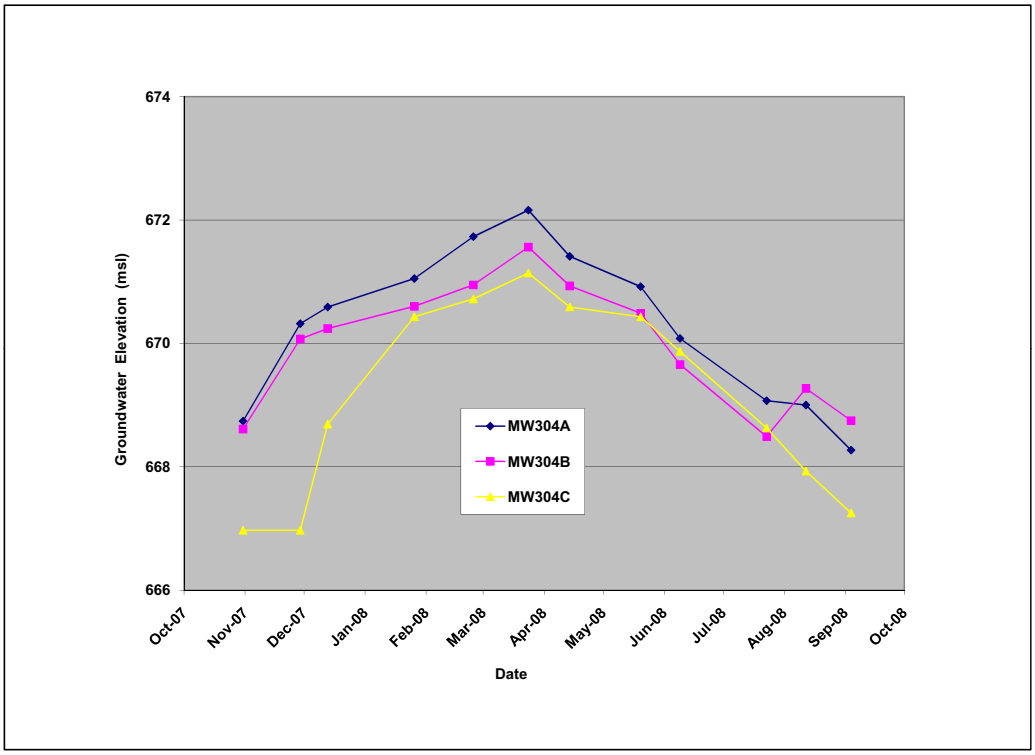




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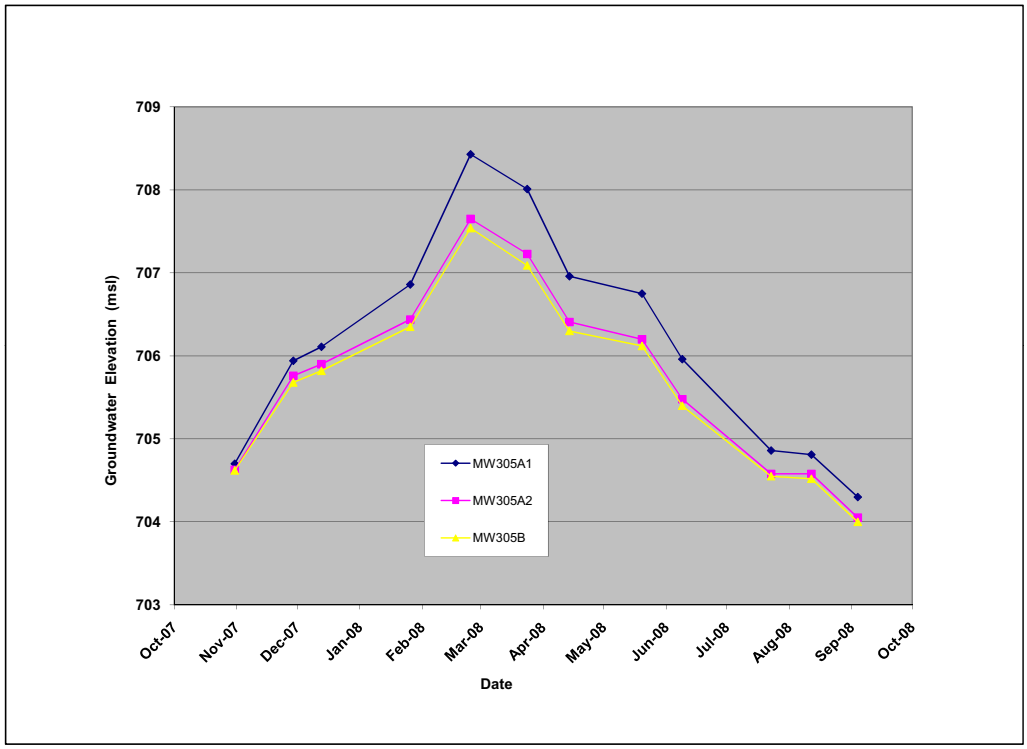
Figure 2.3-41 {Groundwater Elevations versus Time, Well Clusters MW303 and MW304}

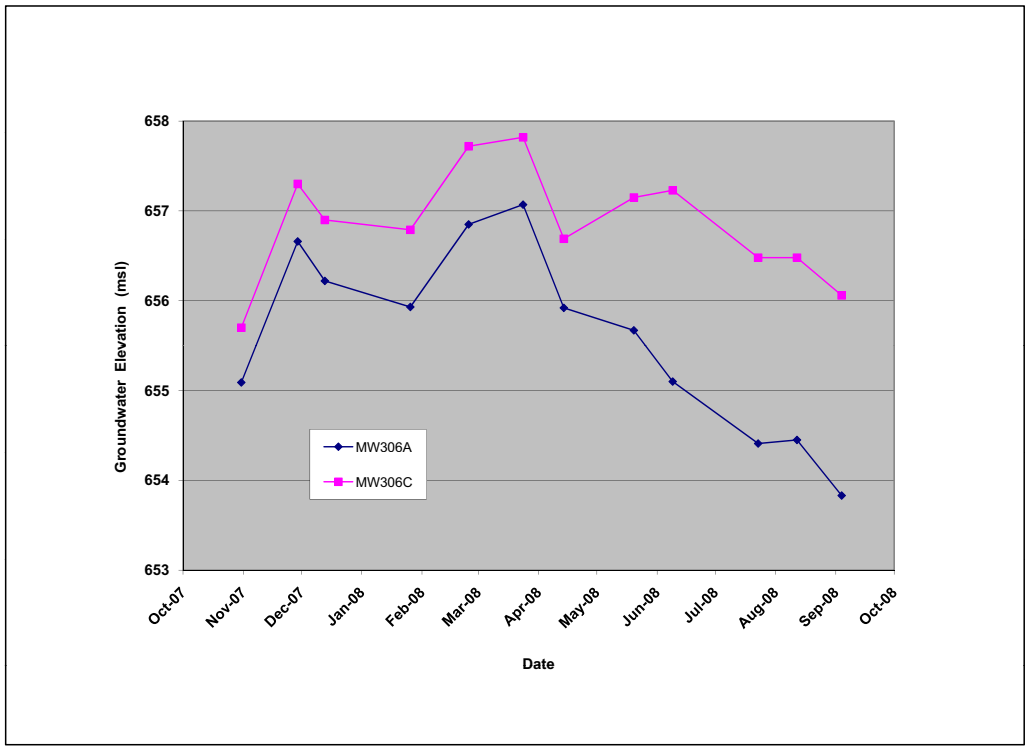




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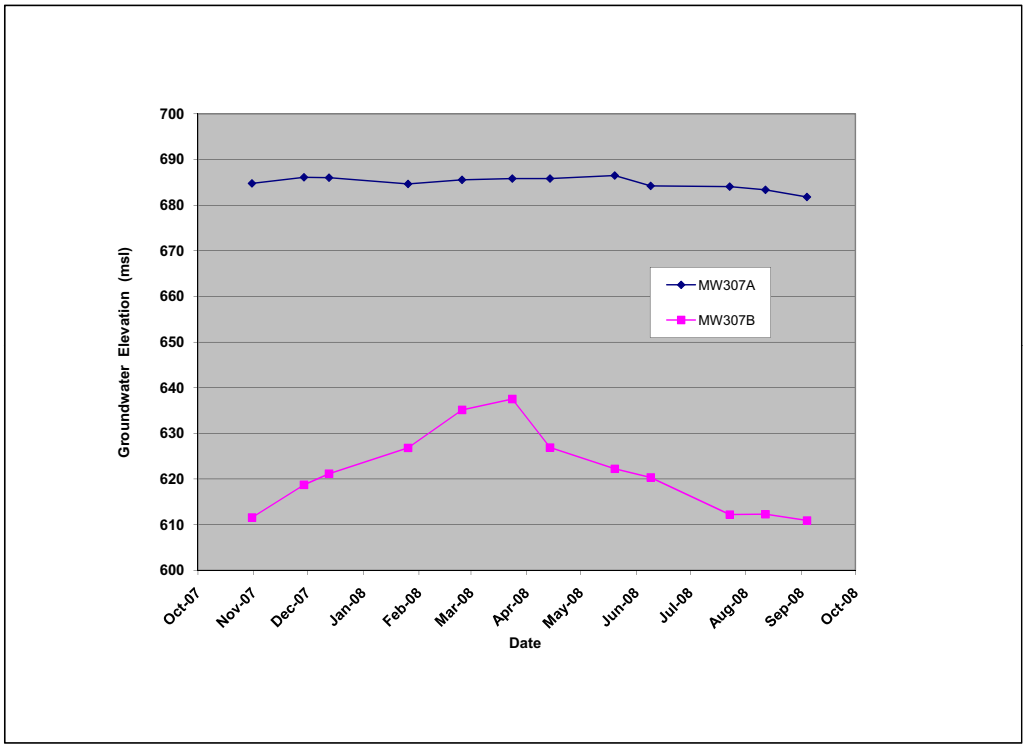
Figure 2.3-42 {Groundwater Elevations versus Time, Well Clusters MW305 and MW306}

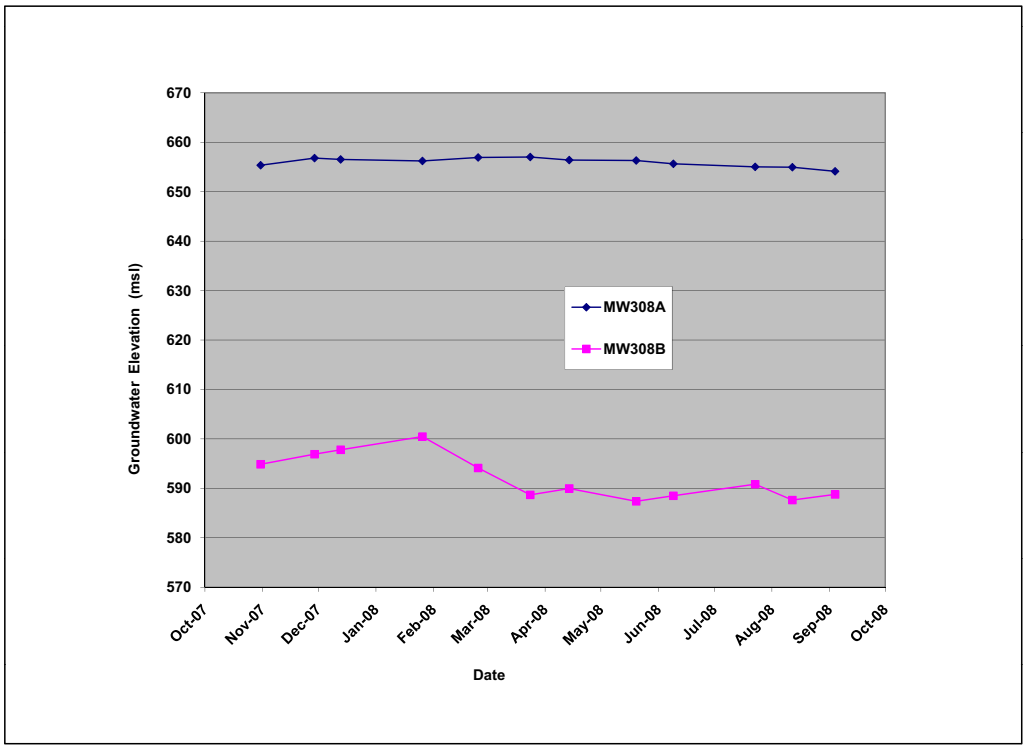




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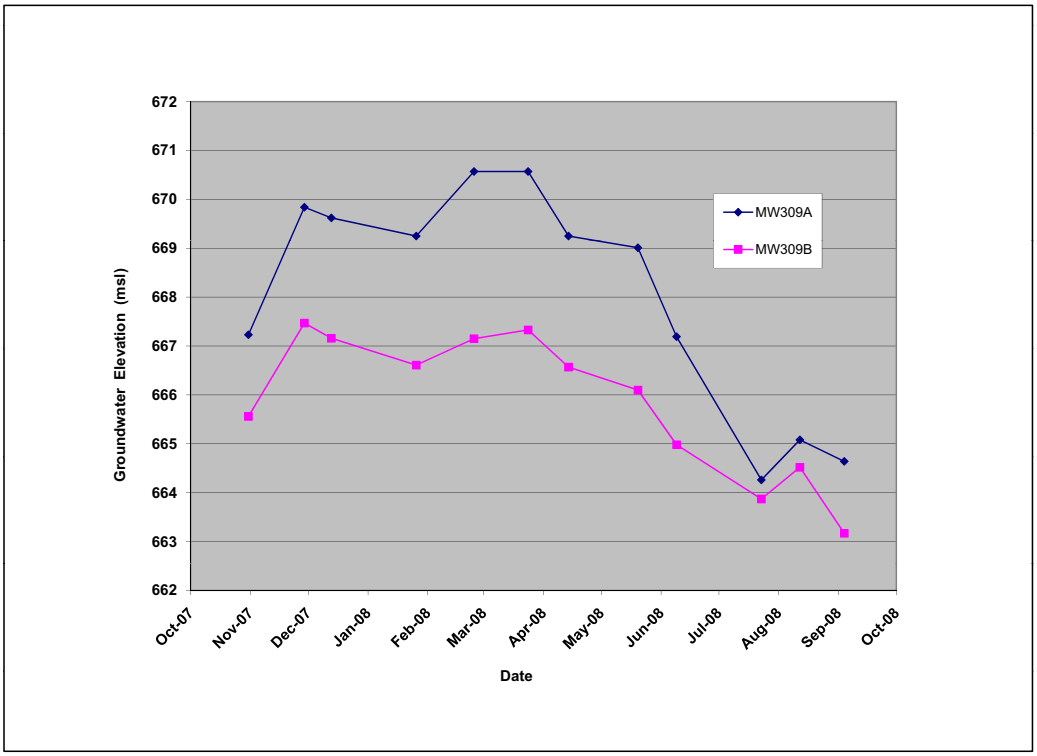
Figure 2.3-43 {Groundwater Elevations versus Time, Well Clusters MW307 and MW308}

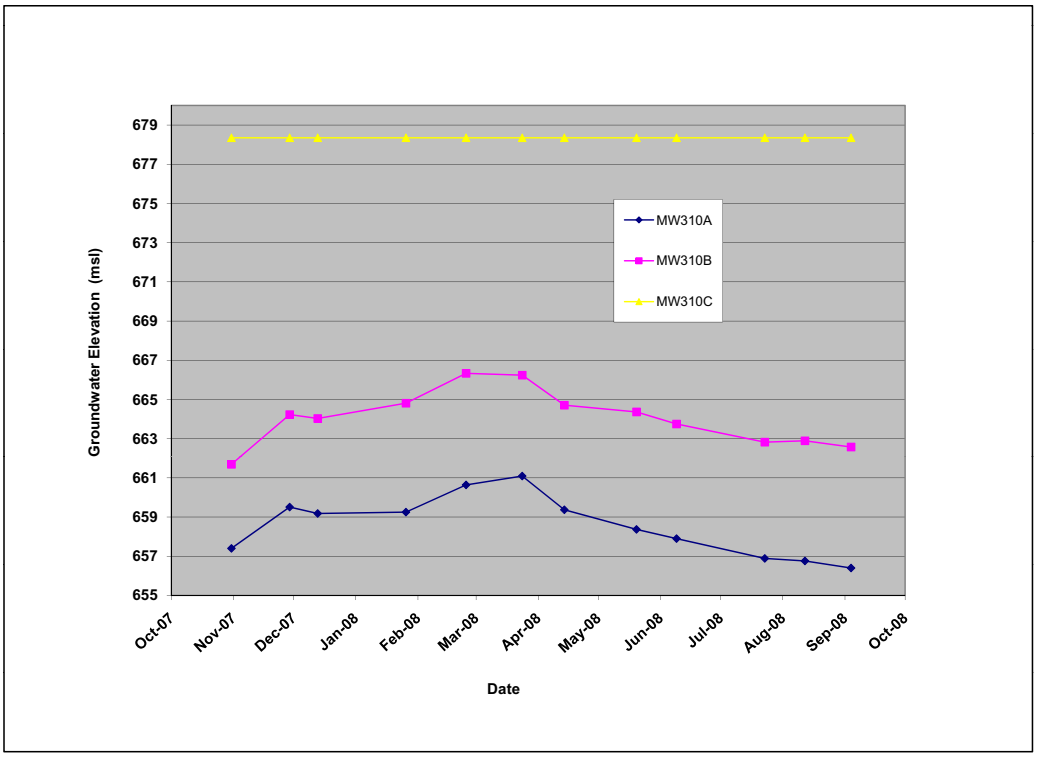




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Figure 2.3-44 {Groundwater Elevations versus Time, Well Clusters MW309 and MW310}





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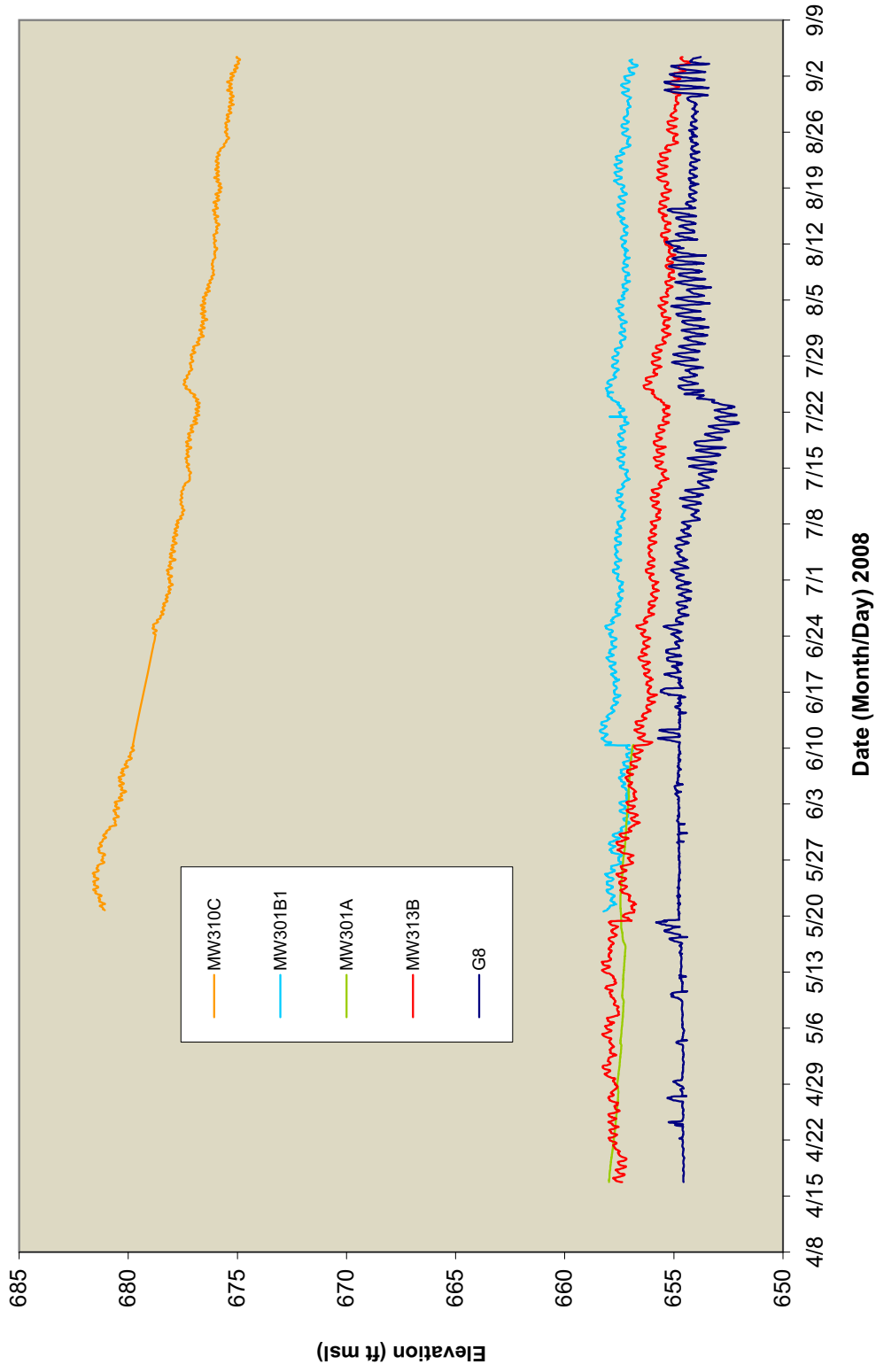


Figure 2.3-45 {Water Level Fluctuations In MW301 Cluster Area Based on Pressure Transducer Data}

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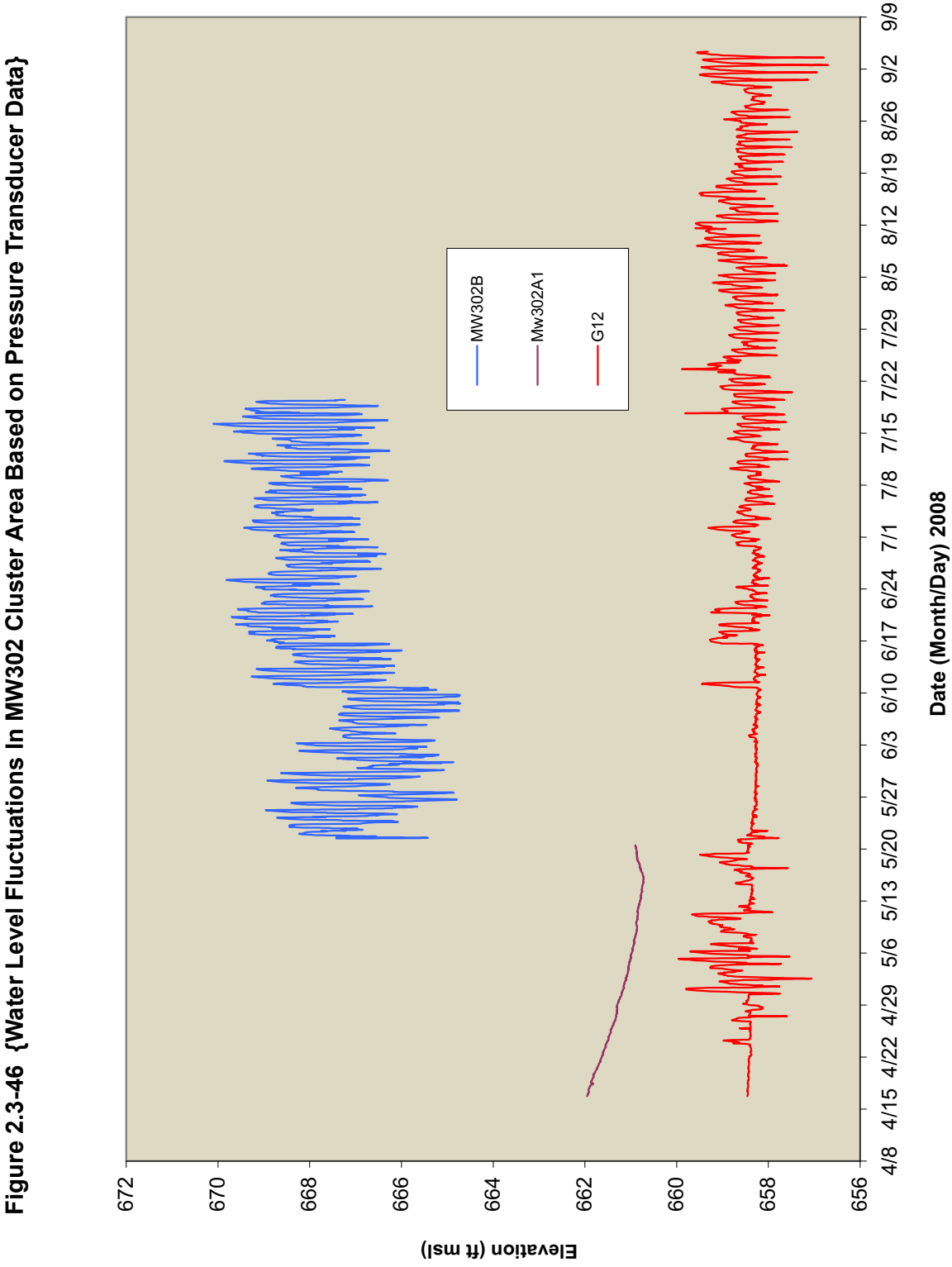


Figure 2.3-46 {Water Level Fluctuations In MW302 Cluster Area Based on Pressure Transducer Data}

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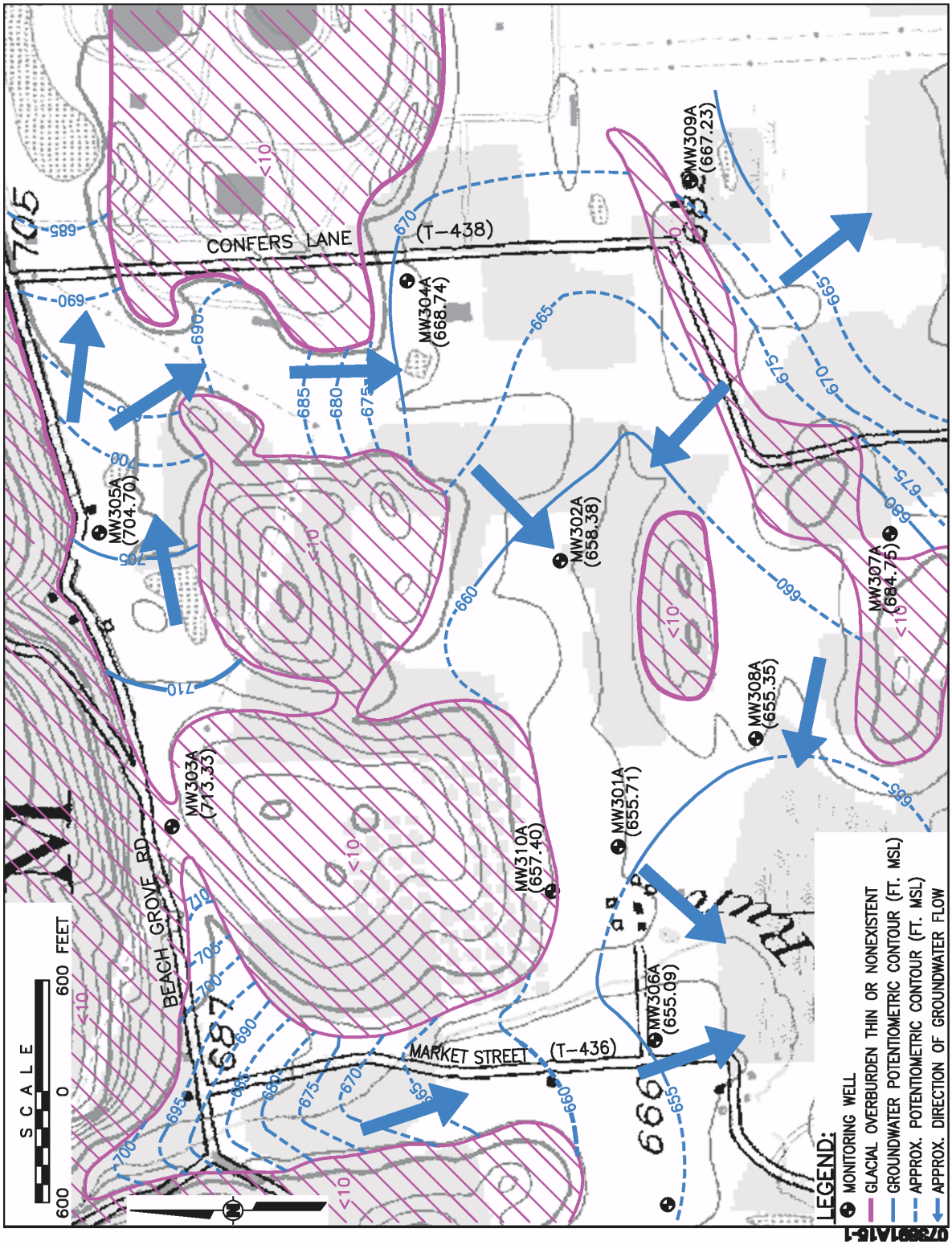


Figure 2.3-47 {Potentiometric Surface Map of Glacial Overburden Aquifer, October 2007}

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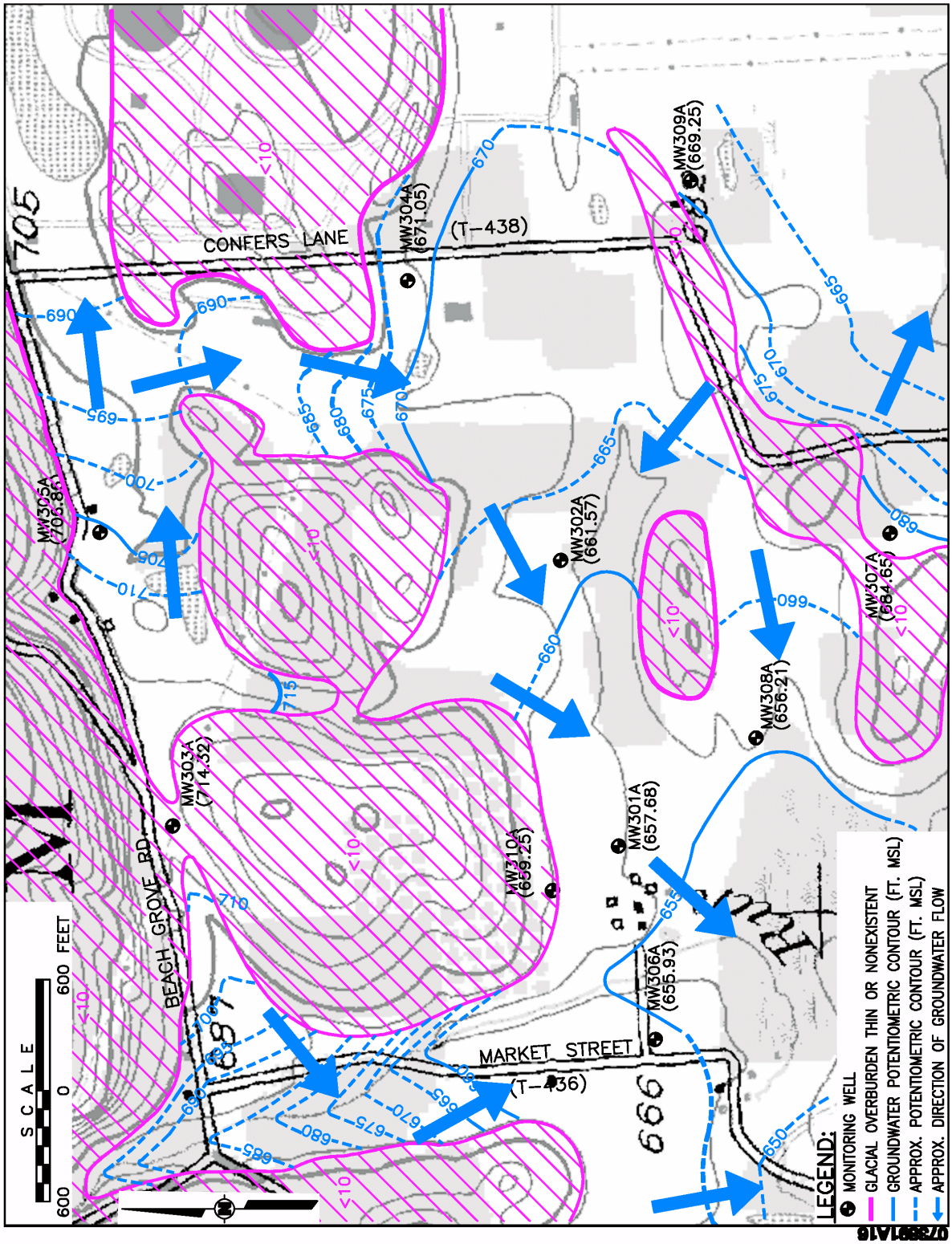


Figure 2.3-48 {Potentiometric Surface Map of Glacial Overburden Aquifer, January 2008}

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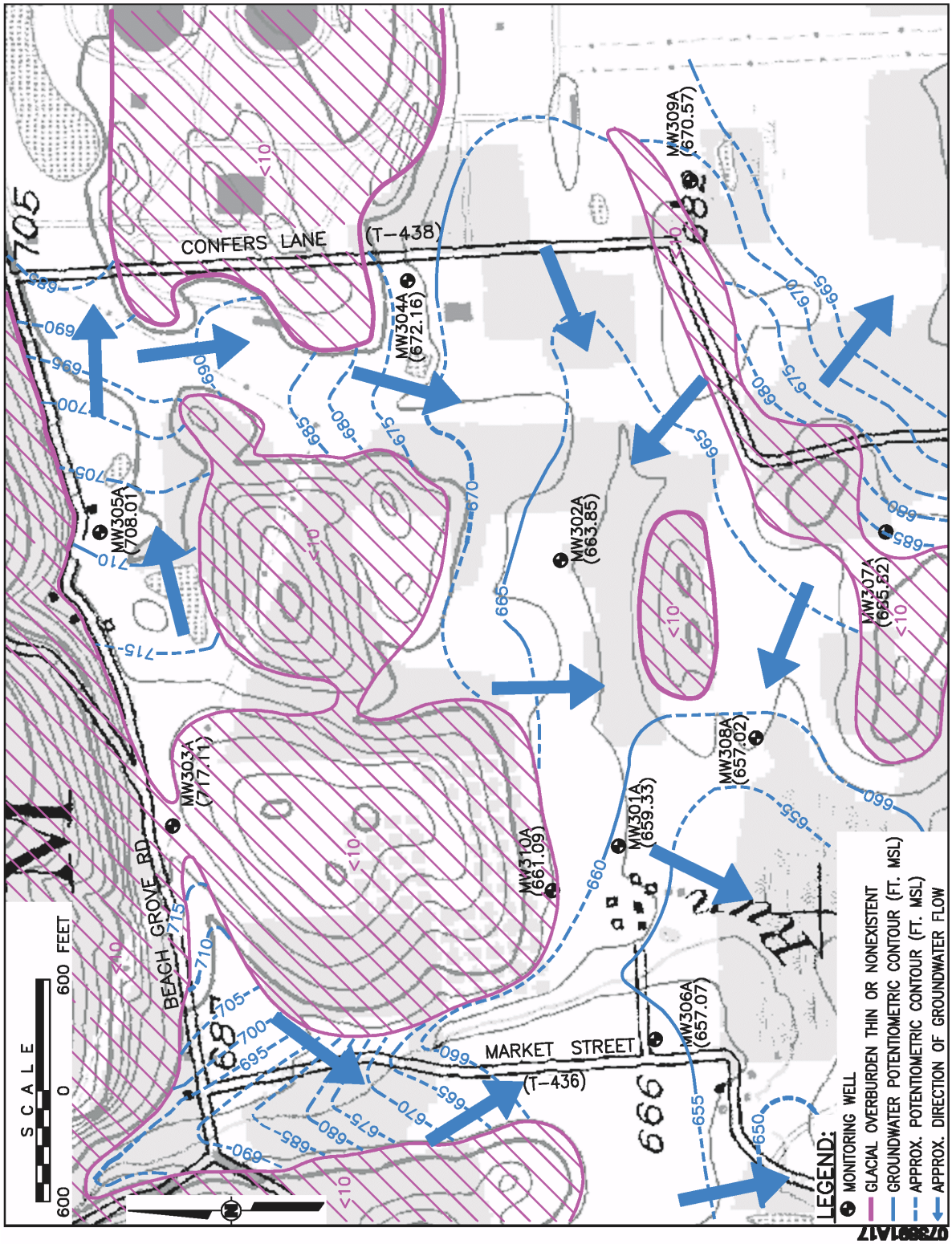


Figure 2.3-49 {Potentiometric Surface Map of Glacial Overburden Aquifer, March 2008}

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