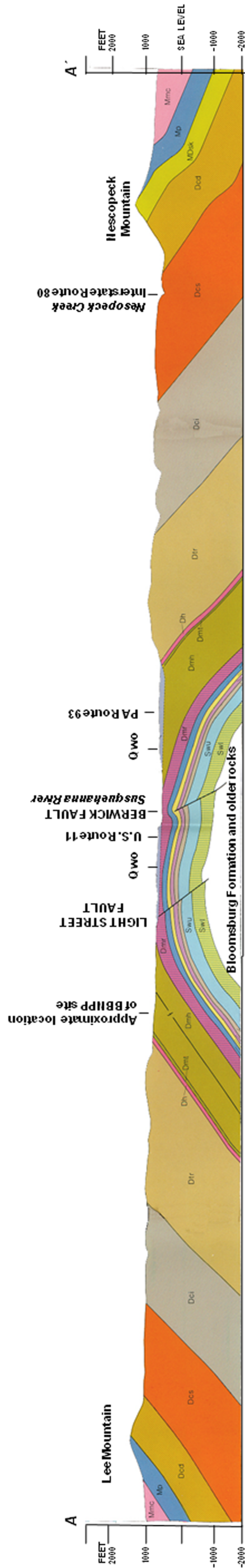


Figure 2.5-193 {Cross Section of Berwick Anticlinorium - Bedrock Geology of The Berwick Quadrangle}

CROSS SECTION



Legend

WOOD-FORDIAN OUTWASH	Qwo	POCONO FORMATION	Mmp	C A T S K I L L F O R M A T I O N		TRIMMERS ROCK FORMATION	Dtr	HARRELL FORMATION	Dh
MAUCH CHUNK FORMATION	Mmc	SPECHTY KOPF FORMATION	MDisk	SHERMAN CREEK MEMBER	Dcs	IRISH VALLEY MEMBER	Dci	WILLS CREEK FORMATION	UPPER MEMBER
TULLY MEMBER	Dmt	ONONDAGE FORMATION	Don	DUNCANNO MEMBER	Ddc	TONOLWAY FORMATION	Sto		LOWER MEMBER
	f								Dmh
MANHATTANO FORMATION		KEYSER FORMATION	DSK	OLD PORT FORMATION	Do				
		MARCELLUS FORMATION	Dmr						

Location Map of Cross Section

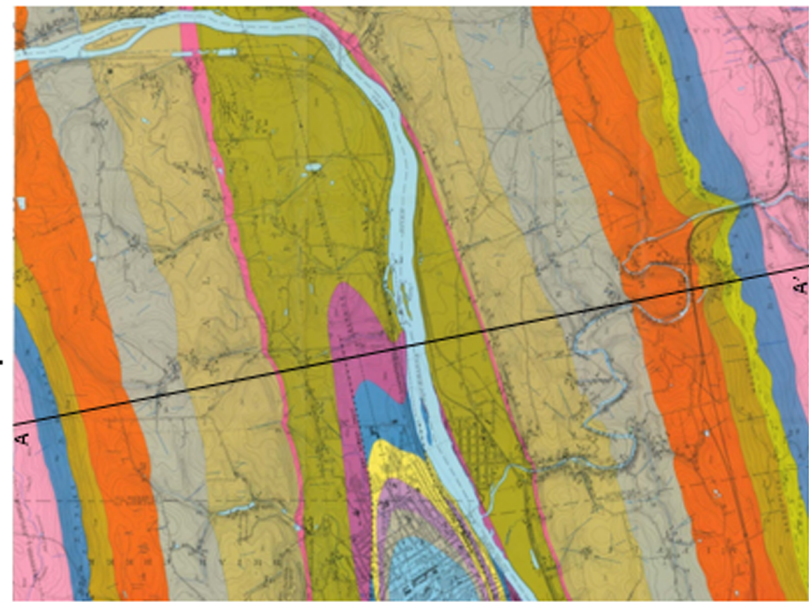
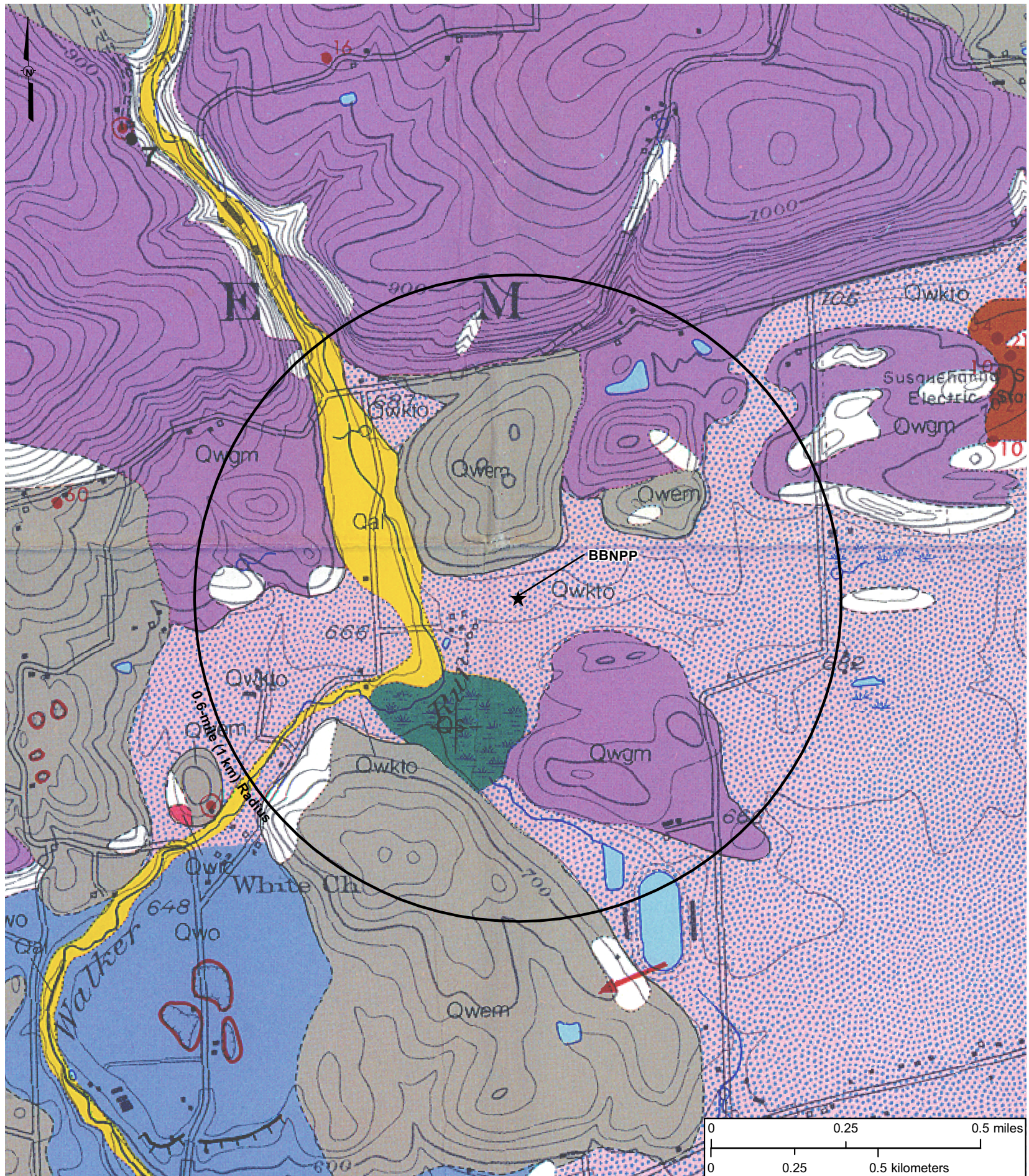


Figure 2.5-194 {Surficial Geologic Site Map 0.6 Mile (1 km)}

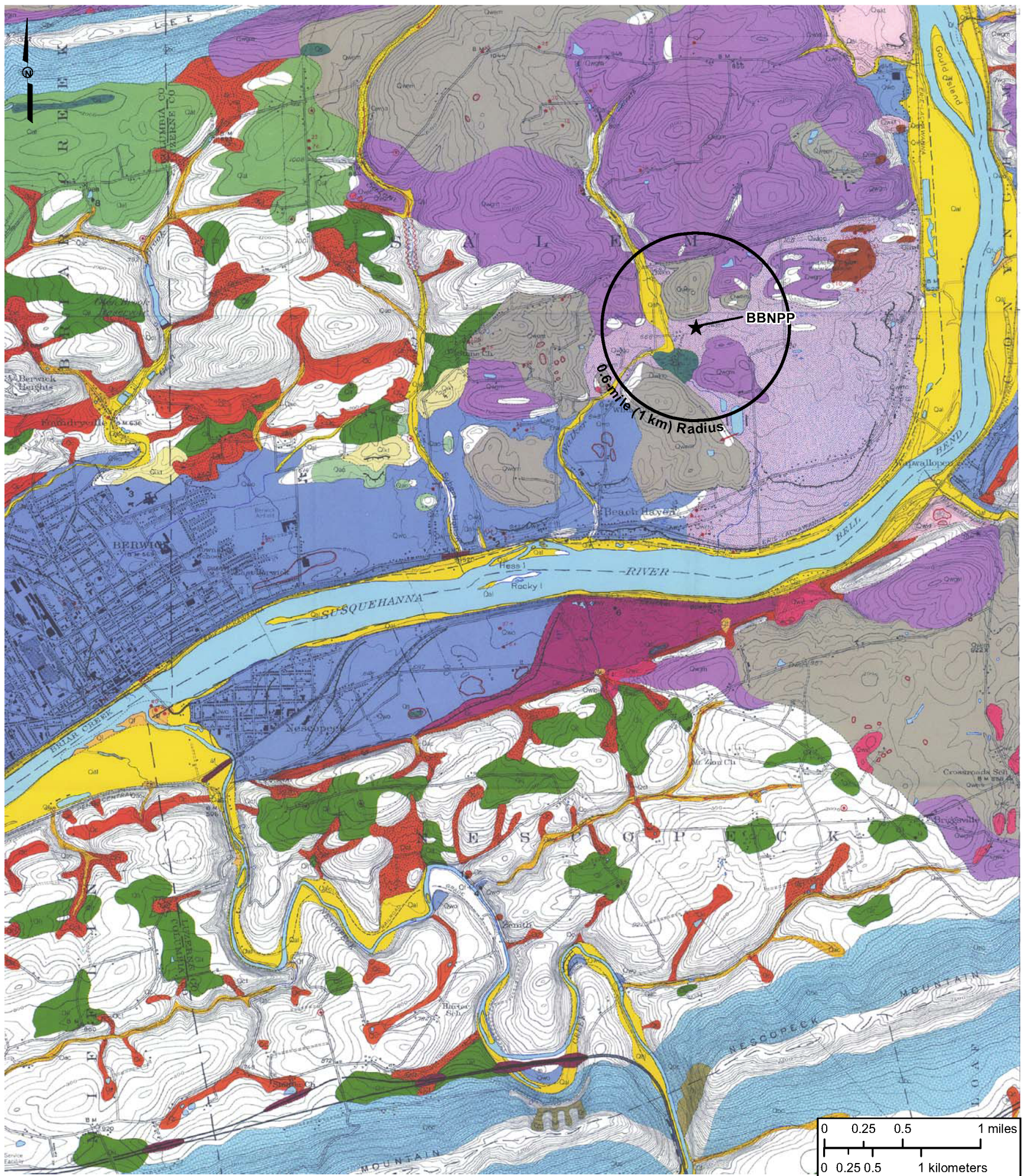


LEGEND:

- ★ Proposed Center Point of Bell Bend NPP (BBNPP)
- NPP Reactor 0.6-mile (1 km) Radius

ARTIFICIAL FILL af	ALLUVIUM Qal	ALLUVIAL FAN Qf	ALLUVIUM AND WOOD-FORDIAN OUTWASH, UNDIVIDED Qwoa	SWAMP DEPOSIT Qs	ALLUVIUM AND COLLUVIUM UNDIVIDED Qao	COLLUVIUM Qc	COLLUVIUM AND TILL, UNDIVIDED Qct	EOLIAN MANTLE Qem	TALUS Qt	BOULDER COLLUVIUM Qbc
WOOD-FORDIAN OUTWASH Qwo	WOOD-FORDIAN KAME TERRACE Qwkt	WOOD-FORDIAN KAME TERRACE AND OUTWASH, UNDIVIDED Qwko	WOOD-FORDIAN FRONTAL KAME Qwfk	WOOD-FORDIAN ICE-CONTACT STRATIFIED DRIFT Qwic	WOOD-FORDIAN GROUND MORAINE Qwgm	WOOD-FORDIAN END MORAINE Qwem	ALTONIAN OUTWASH Qao	ALTONIAN TILL Qat	ILLINOIAN KAME TERRACE Qikt	ILLINOIAN TILL Qit

Figure 2.5-195 {Surficial Sediments Description}



LEGEND:

- ★ Proposed Center Point of Bell Bend NPP (BBNPP)
- NPP Reactor 0.6-mile (1 km) Radius

ARTIFICIAL FILL af	ALLUVIUM Qal	ALLUVIAL FAN Qf	ALLUVIUM AND WOODFORDIAN OUTWASH, UNDIVIDED Qwoa	SWAMP DEPOSIT Qs	ALLUVIUM AND COLLUVIUM UNDIVIDED Qao	COLLUVIUM Qc	COLLUVIUM AND TILL, UNDIVIDED Qct	EOLIAN MANTLE Qem	TALUS Qt	BOULDER COLLUVIUM Qbc
WOOD-FORDIAN OUTWASH Qwo	WOOD-FORDIAN KAME TERRACE Qwkt	WOOD-FORDIAN KAME TERRACE AND OUTWASH, UNDIVIDED Qwkte	WOOD-FORDIAN FRONTAL KAME Qwfk	WOOD-FORDIAN ICE CONTACT STRATIFIED DRIFT Qwic	WOOD-FORDIAN GROUND MORAINE Qwgm	WOOD-FORDIAN END MORAINE Qwem	ALTONIAN OUTWASH Qao	ALTONIAN TILL Qat	ILLINOIAN KAME TERRACE Qikt	ILLINOIAN TILL Qit

REFERENCE:

Figure 2.5-196 {Site Area Geologic Map 0.6-mile (1 km) Radius}

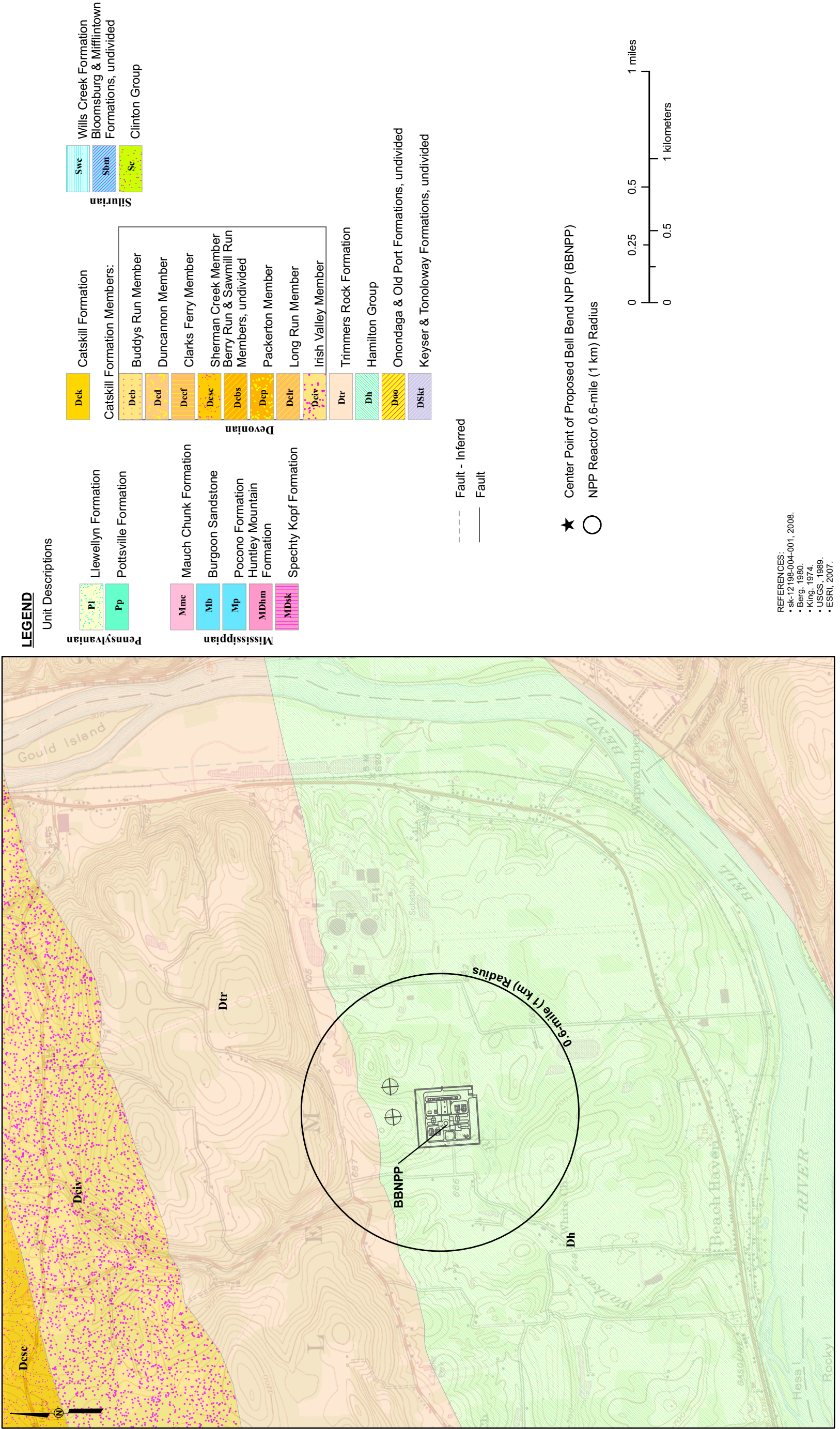


Figure 2.5-197 {Site Area Geologic Map 5-mile (8km) Radius}

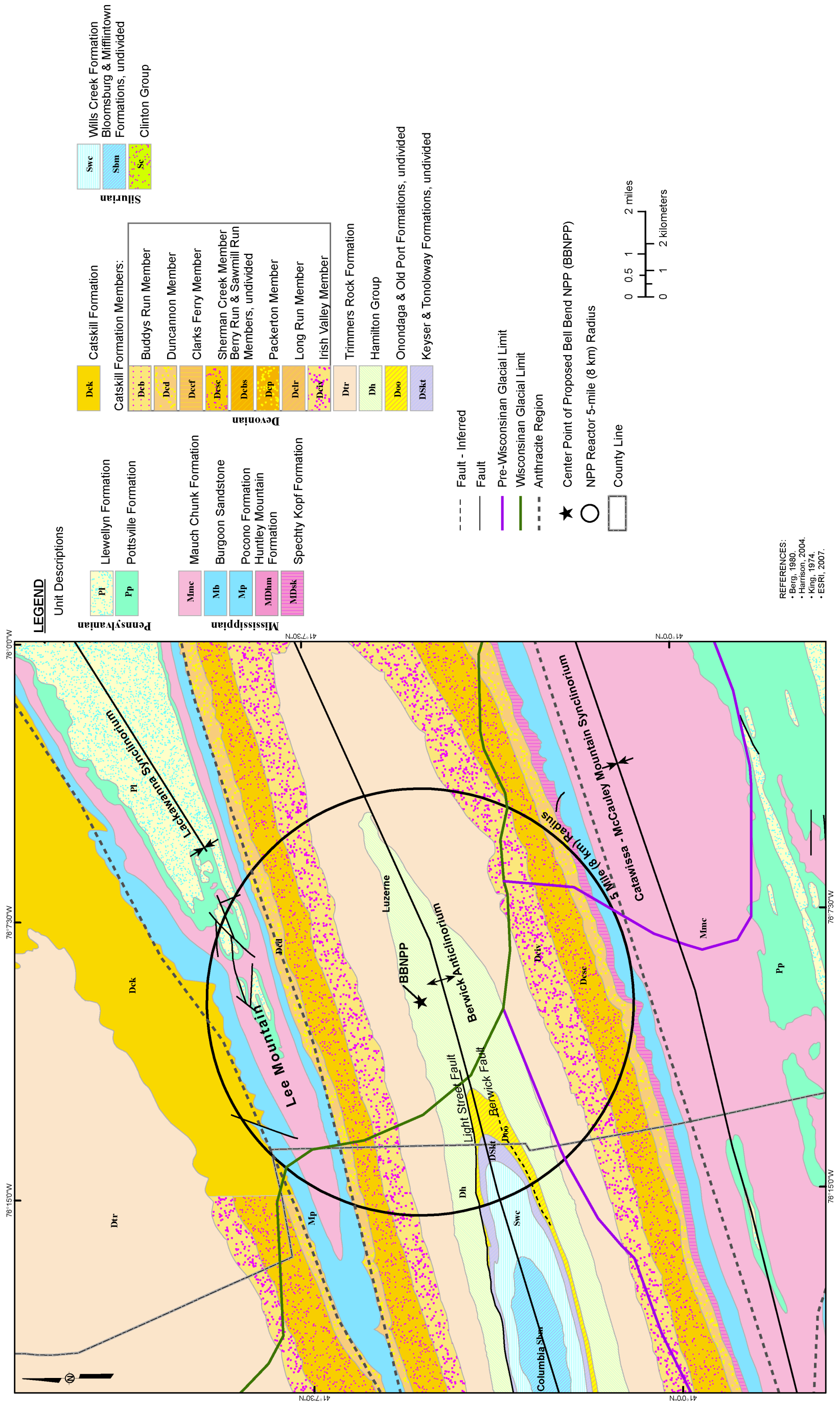


Figure 2.5-198 {Site Area Geologic Map 25-mile (40km) Radius}

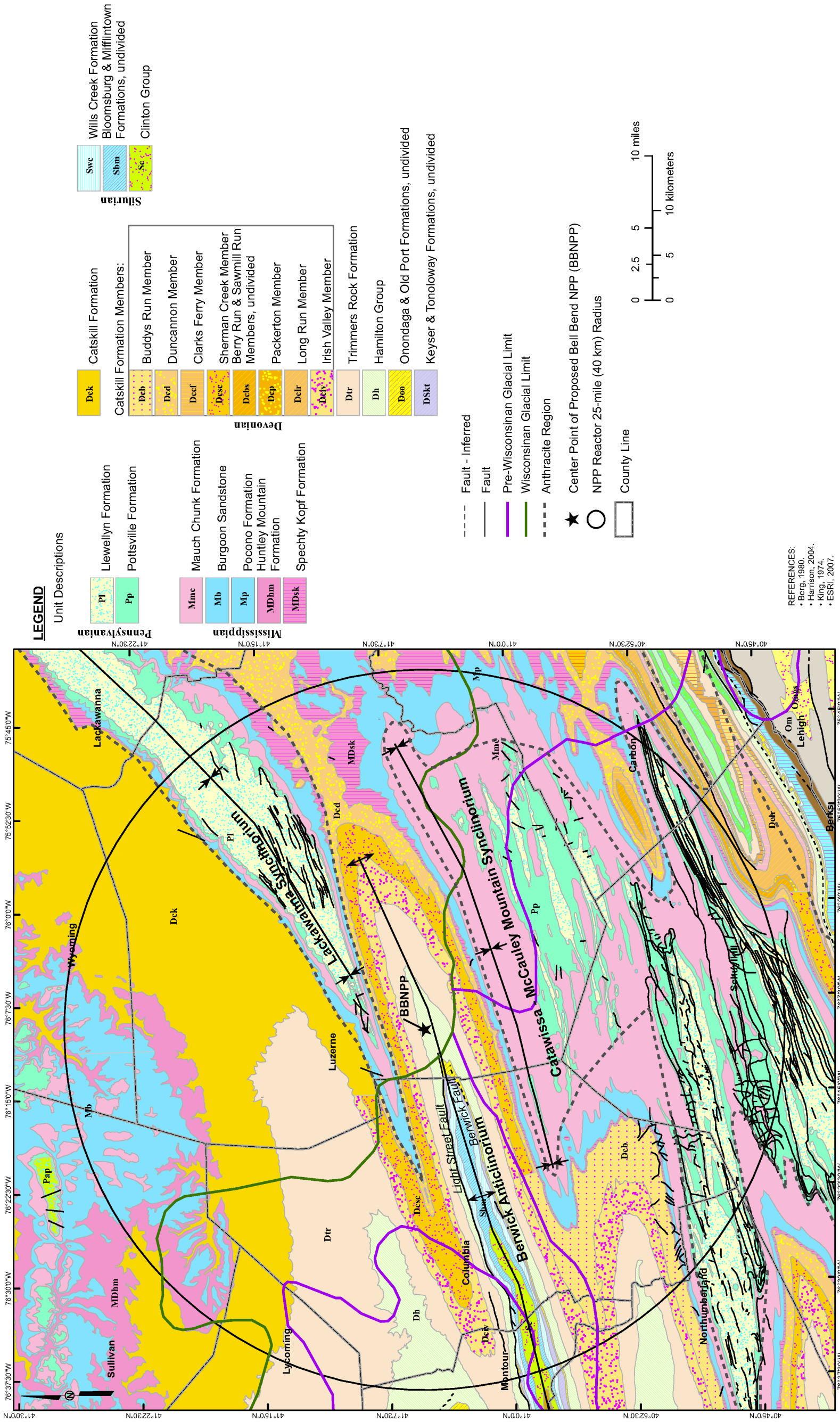
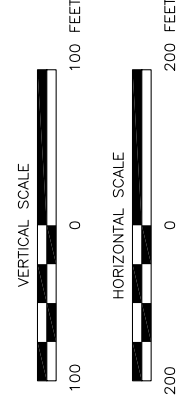
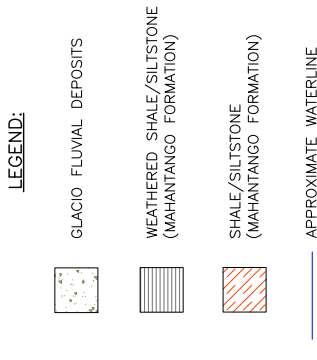
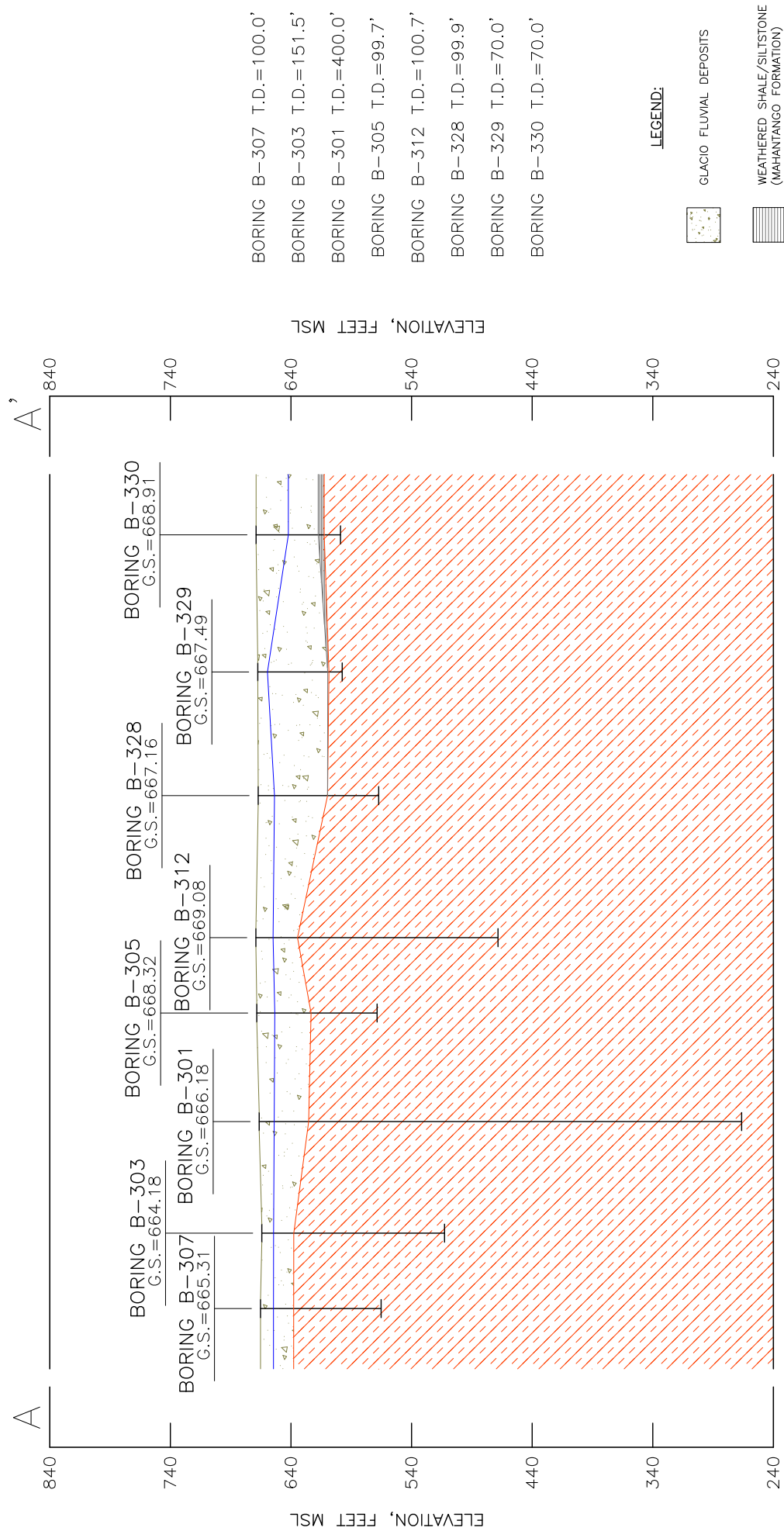
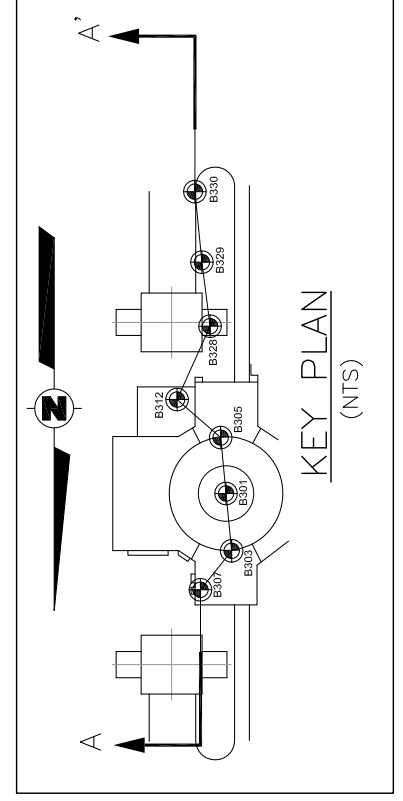


Figure 2.5-199 {Geotechnical Site Cross Section A-A}



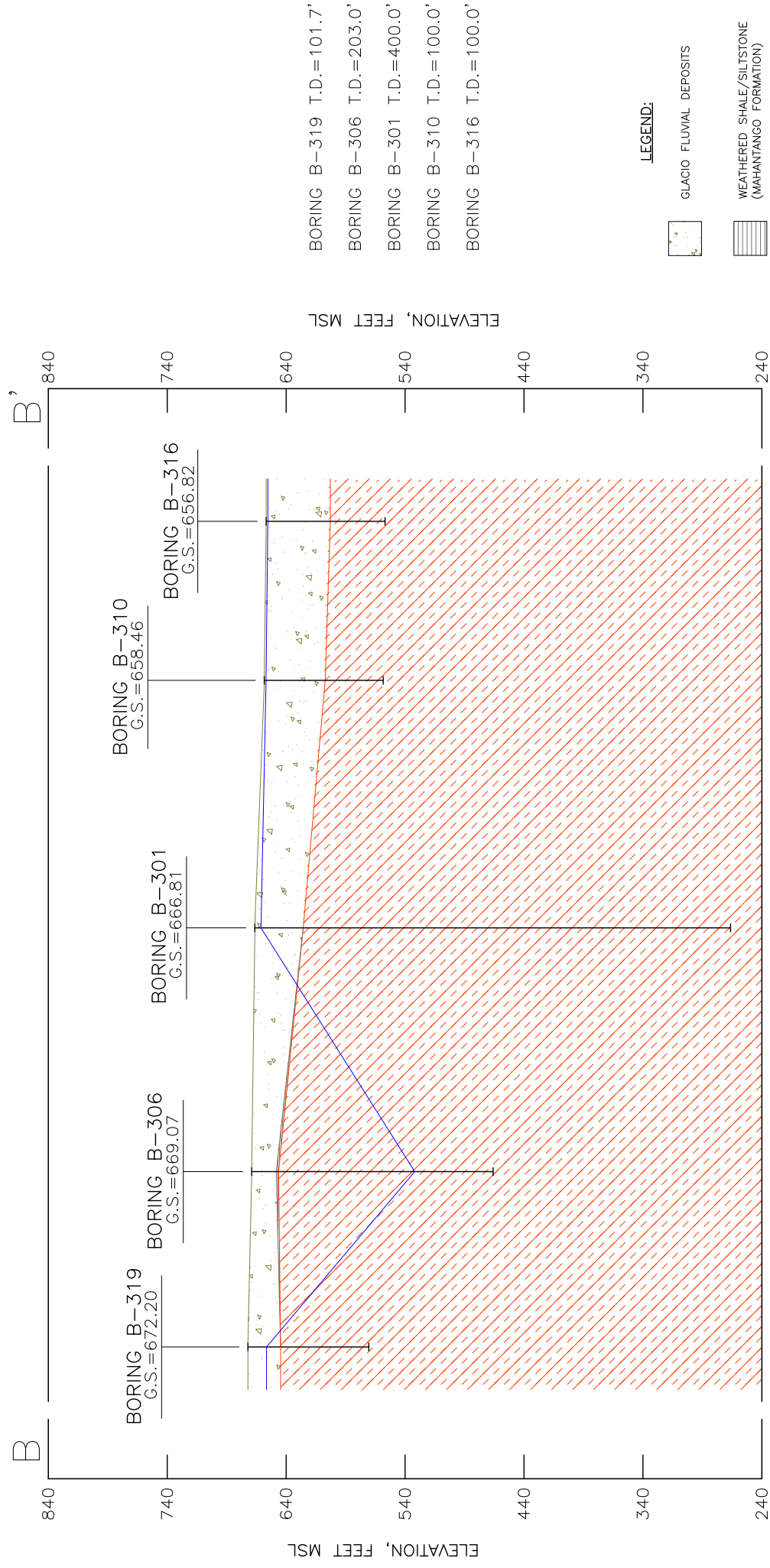
GEOTECHNICAL SECTION A-A'



- NOTES:**
1. THE DEPTH AND THICKNESS OF SOIL AND ROCK STRATA INDICATED ON THE SUBSURFACE PROFILE WERE OBTAINED BY INTERPOLATING BETWEEN BORINGS. INFORMATION ON ACTUAL SOIL AND ROCK CONDITIONS EXIST ONLY AT BORING LOCATIONS AND IT IS POSSIBLE THAT SUBSURFACE CONDITIONS BETWEEN THE TEST BORINGS MAY VARY FROM THOSE INDICATED.
 2. SOIL AND ROCK CLASSIFICATION MADE IN ACCORDANCE WITH ASTM D2487-06 AND ASTM D2488-06.
 3. ALL DEPTHS ARE BELOW GROUND SURFACE.
 4. SITE-MAHANTANGO BEDROCK AVERAGE ORIENTATION-STRIKE (N 20°E) DIP (7° SE).
- THE BORING LOGS AND RELATED INFORMATION DEPICT SUBSURFACE CONDITIONS ONLY AT THE SPECIFIC LOCATIONS AND DATES INDICATED. SOIL CONDITIONS AND WATER LEVELS AT OTHER LOCATIONS MAY DIFFER FROM CONDITIONS OCCURRING AT THESE BORING LOCATIONS. ALSO THE PASSAGE OF TIME MAY RESULT IN A CHANGE IN THE CONDITIONS AT THESE BORING LOCATIONS.
- THE DEPTH AND THICKNESS OF THE SUBSURFACE STRATA INDICATED ON THE SECTIONS WERE GENERALIZED FROM AND INTERPOLATED BETWEEN THE TEST BORINGS. INFORMATION ON ACTUAL SUBSURFACE CONDITIONS EXIST ONLY AT THE LOCATION OF THE TEST BORINGS AND IT IS POSSIBLE THAT SUBSURFACE CONDITIONS BETWEEN THE TEST BORINGS MAY VARY FROM THOSE INDICATED.

CAD FILE: 073891B15.dwg

Figure 2.5-200 {Geotechnical Site Cross Section B-B}

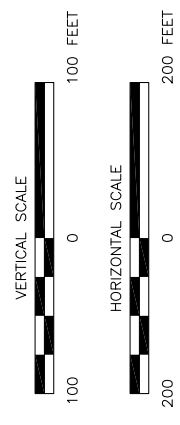
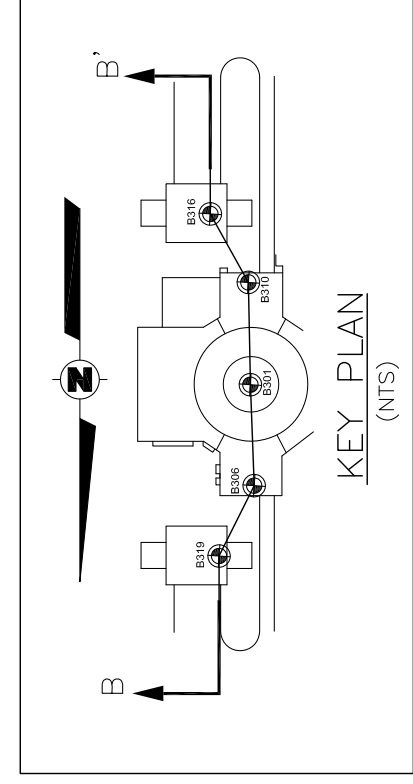


- NOTES:
1. THE DEPTH AND THICKNESS OF SOIL AND ROCK STRATA INDICATED ON THE SUBSURFACE PROFILE WERE OBTAINED BY INTERPOLATING BETWEEN BORINGS. INFORMATION ON ACTUAL SOIL AND ROCK CONDITIONS EXIST ONLY AT BORING LOCATIONS AND IT IS POSSIBLE THAT SUBSURFACE CONDITIONS BETWEEN THE TEST BORINGS MAY VARY FROM THOSE INDICATED.
 2. USGS FIELD CLASSIFICATION USED.
 3. SOIL AND ROCK CLASSIFICATION MADE IN ACCORDANCE WITH ASTM D2487-06 AND ASTM D2488-06.
 4. SITE-MAHANTANGO BEDROCK AVERAGE ORIENTATION-STRIKE (N 20°E) DIP (70° SE).

THE BORING LOGS AND RELATED INFORMATION DEPICT SUBSURFACE CONDITIONS ONLY AT THE SPECIFIC LOCATIONS AND DATES INDICATED. SOIL CONDITIONS AND WATER LEVELS AT OTHER LOCATIONS MAY DIFFER FROM CONDITIONS OCCURRING AT THESE BORING LOCATIONS. ALSO THE PASSAGE OF TIME MAY RESULT IN A CHANGE IN THE CONDITIONS AT THESE BORING LOCATIONS.

THE DEPTH AND THICKNESS OF THE SUBSURFACE STRATA INDICATED ON THE SECTIONS WERE GENERALIZED FROM AND INTERPOLATED BETWEEN THE TEST BORINGS. INFORMATION ON ACTUAL SUBSURFACE CONDITIONS EXISTS ONLY AT THE LOCATION OF THE TEST BORINGS AND IT IS POSSIBLE THAT SUBSURFACE CONDITIONS BETWEEN THE TEST BORINGS MAY VARY FROM THOSE INDICATED.

GEOTECHNICAL SECTION B-B'



CAD FILE: 073891B19.dwg