



Survey Code \_\_\_\_\_

Page 1 of 11

Date of Survey January 2008

Name of Surveyor Matthew G. Hyland

**Farmstead Information (Page 1)**  
**Identification and Location**

Tax Parcel/Other No.: \_\_\_\_\_ Farm Acreage \_\_\_\_\_

County Luzerne Municipality Nescopeck Township

Street Address 783 Berwick-Hazleton Highway (SR 93)

Historic Name Ryman Farm

Other Name Farm at 783 Berwick-Hazleton Highway

UTM Coordinates Zone 18, 0401271 E, 4545260 N

Date of Farmstead circa 1880 to \_\_\_\_\_

Explain Basis for Dating Farmstead: Based on architectural style and method of construction, a circa 1880 construction date can be estimated.

Oral interview with owner: Carl Ryman.

If historic or current function is different than agriculture, note and describe current function: N/A

\_\_\_\_\_  
\_\_\_\_\_



Survey Code \_\_\_\_\_

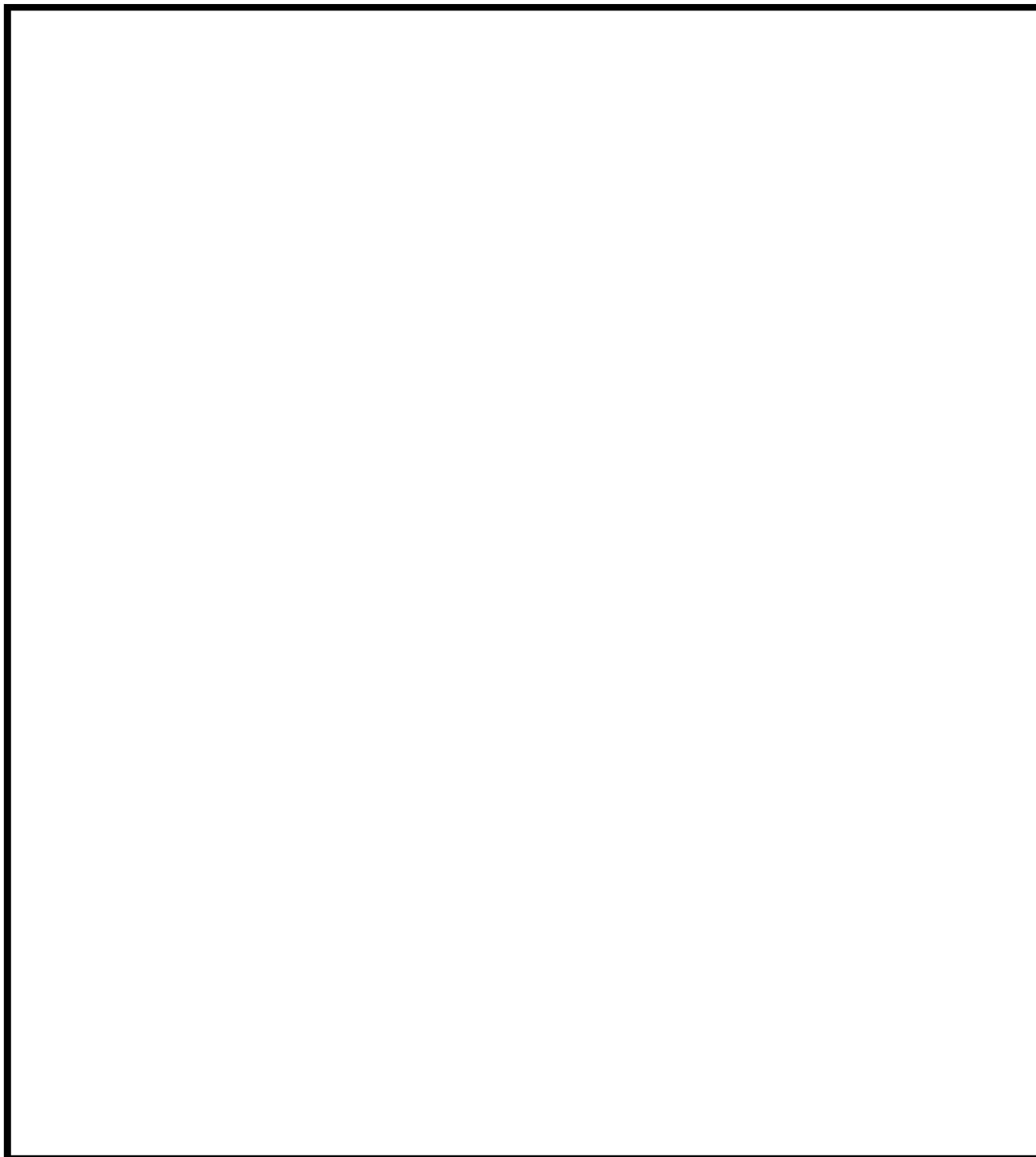
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Date of Survey January 2008

Name of Surveyor Matthew G. Hyland

**Farmstead Information (Page 2)**

**Sketch of Farmstead showing relation of structures and landscape features to one another**



Date of Survey January 2008 Name of Surveyor Matthew G. Hyland Site Number \_\_\_\_\_

**Barn Information**

**Barn Type:**

- |                                                                |                                                     |
|----------------------------------------------------------------|-----------------------------------------------------|
| <input type="checkbox"/> Pennsylvania Barn                     | <input type="checkbox"/> Ground Barn (grundscheier) |
| <input type="checkbox"/> Basement Barn                         | <input type="checkbox"/> One of a Kind Barn         |
| <input checked="" type="checkbox"/> Three-Gable Barn           | <input type="checkbox"/> Erie Shore Barn            |
| <input type="checkbox"/> English Barn                          | <input type="checkbox"/> Rainbow Roof Barn          |
| <input type="checkbox"/> Gable-Entry Bank Barn                 | <input type="checkbox"/> New England Barn           |
| <input checked="" type="checkbox"/> Wisconsin Style Dairy Barn | <input type="checkbox"/> Foundation                 |
| <input type="checkbox"/> Round or Polygonal Barn               | <input type="checkbox"/> Other (Specify)            |

**Exterior Materials:**

- |                                   |                                 |
|-----------------------------------|---------------------------------|
| Foundation <u>Stone</u>           | Roof <u>Standing seam metal</u> |
| Walls <u>Vertical wood siding</u> | Walls <u>Concrete block</u>     |
| Other _____                       | Other _____                     |

**Exterior Barn Features:**

- |                                                                    |                                               |
|--------------------------------------------------------------------|-----------------------------------------------|
| <input checked="" type="checkbox"/> Banked                         | <input type="checkbox"/> Bridge on Eaves Side |
| <input type="checkbox"/> Not Banked                                | <input type="checkbox"/> Bridge on Gable End  |
| <input type="checkbox"/> Forebay Enclosed on gable end(s)          |                                               |
| <input type="checkbox"/> Forebay Not Enclosed                      |                                               |
| <input type="checkbox"/> Forebay Enclosed on Eaves Side            |                                               |
| <input type="checkbox"/> Forebay Extended and Supported with Posts |                                               |
| <input type="checkbox"/> Outshed on Bankside (one or more)         |                                               |
| <input type="checkbox"/> Gable Roof                                |                                               |
| <input checked="" type="checkbox"/> Gambrel Roof                   |                                               |
| <input type="checkbox"/> Rainbow or Arched Roof                    |                                               |
| <input type="checkbox"/> Shed Roof                                 |                                               |
| <input type="checkbox"/> Combination Roof                          |                                               |
| <input checked="" type="checkbox"/> Roof Ridge Ventilators         |                                               |

**Footprint:**

- |                                                    |
|----------------------------------------------------|
| <input type="checkbox"/> Rectangular (incl square) |
| <input checked="" type="checkbox"/> Tee            |
| <input type="checkbox"/> Ell                       |
| <input type="checkbox"/> Round                     |
| <input type="checkbox"/> Polygonal                 |
| <input type="checkbox"/> Irregular                 |

**Entry (check all that apply):**

- |                                                               |
|---------------------------------------------------------------|
| <input type="checkbox"/> Large Doors in Gable End(s)          |
| <input checked="" type="checkbox"/> Large Doors in Eaves Side |
| <input type="checkbox"/> Dutch Doors Under Forebay            |
| <input type="checkbox"/> Human Doors                          |
| <input type="checkbox"/> Dutch Doors (Location: _____)        |

**Access:**

- |                                               |
|-----------------------------------------------|
| <input checked="" type="checkbox"/> One Level |
| <input type="checkbox"/> Multi Level          |
| <input type="checkbox"/> Ramp on Eaves Side   |
| <input type="checkbox"/> Ramp on Gable End    |
| <input type="checkbox"/> Bank on Eaves Side   |
| <input type="checkbox"/> Bank on Gable End    |

- \_\_\_ Doors in Forebay or Gable End Wall (for offloading or cross ventilation, not entry)
- \_\_\_ Louvered Window Ventilators (shape, location \_\_\_\_\_)
- \_\_\_ Ventilation Slits or Circles
- \_\_\_ Star (shape, location \_\_\_\_\_)
- \_\_\_ Cutout Designs (shape, location \_\_\_\_\_)
- \_\_\_ Brick Design (shape, location \_\_\_\_\_)
- \_\_\_ Painted Designs (nature, location \_\_\_\_\_)
- \_\_\_ Date or Inscription (location and contents \_\_\_\_\_)
- \_\_\_ Hay Hood

**Visible Exterior Alterations.** Give estimated date, location, and materials if possible.

- Enclosed eaves side of Pennsylvania Barn forebay \_\_\_\_\_
- Windows for poultry \_\_\_\_\_
- Lower level windows for dairy cows added or enlarged Circa 1940, west elevation \_\_\_\_\_
- Shed-roof, gable-end extension for corn and/or machinery \_\_\_\_\_
- Ell extension \_\_\_\_\_
- Horse power shed (usually on bankside) \_\_\_\_\_
- One-story additions for livestock \_\_\_\_\_
- Gable end extension \_\_\_\_\_
- Storm shed stable level extension \_\_\_\_\_
- Shed roof eave side extension One-story addition located on northeast elevation.

**Year Built:** C. circa 1880 to 1930 \_\_\_\_\_

Explain Basis for Dating: Site visit \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

**Other Barn Notes:**

The circa-1880, Three Gable barn consists of a gambrel-roof and timber-frame. This T-shaped barn is built on a stone foundation and is clad in vertical wood siding. Its metal-clad roof is punctuated by four cupola vents. Its fenestration includes 6/6 double-hung sash windows. A mid-20th-century concrete stave silo stands adjacent to the barn, and a circa-1940 concrete block wing connects the barn to a circa-1930, gable-roofed stone outbuilding that may have once served as a milk processing building.

Survey Form, Barns, Continued. Site Number \_\_\_\_\_

**Interior Features: (only applicable if you are granted access, Please photograph significant features.)**

- \_\_\_ Structural System:
- \_\_\_ Post and beam framing (sketch bent)
  - \_\_\_ Log (indicate notching system, number of cribs) \_\_\_\_\_
  - \_\_\_ Shawver truss
  - \_\_\_ Rainbow truss
  - \_\_\_ Laminated plank
  - \_\_\_ Balloon frame
  - \_\_\_ Other structural system (explain) \_\_\_\_\_
- \_\_\_ Granary:
- \_\_\_ in forebay
  - \_\_\_ in bankside
  - \_\_\_ in outshed
  - \_\_\_ central
- \_\_\_ Number of threshing floors
- \_\_\_ Number of mows
- \_\_\_ Number of interior levels
- \_\_\_ Pattern of floors, stables, and mows (indicate from what direction and on which level): (eg, upper level, m:f:f:m looking downslope from bank; or one level, s:f:m west to east) \_\_\_\_\_
- 
- \_\_\_ Original stanchions
- \_\_\_ Longitudinal central aisle
- \_\_\_ Crosswise aisles and walkways
- \_\_\_ Original stalls
- \_\_\_ Integral corn crib
- \_\_\_ Other ( \_\_\_\_\_ )

Dairy Accommodations on Stable Level:

- \_\_\_ Concrete floors replace dirt
- \_\_\_ metal stanchions of various types replace wooden restraining systems
- \_\_\_ feed and litter alleys are reoriented: Usually lengthwise arrangement of dairy stanchions substitutes for crosswise arrangement of box stalls
- \_\_\_ omission of space for horses (some markets banned housing horses and cows together)
- \_\_\_ evidence of whitewashing
- \_\_\_ evidence of ventilation shafts inserted
- \_\_\_ litter carrier systems
- \_\_\_ installation of electricity
- \_\_\_ relocation or closing of hay chute
- \_\_\_ placement of stalls near light source

\_\_\_ access from silo

Dairy and Other Alterations on Mow Level:

\_\_\_ re-framing to accommodate hay track and other loading devices

\_\_\_ addition of access from silo

\_\_\_ holes cut in the gable end doors to load hay

\_\_\_ elimination of drive floor use as machinery storage in favor of more hay storage

\_\_\_ holes cut in log cribs to facilitate hay and grain movement

\_\_\_ cleats added to barn bents to accommodate tobacco curing

\_\_\_ evidence of pulley systems, etc. to drive machinery

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**Farmhouse Information**

**Architectural Classification: (choose one, only if ornament clearly indicates a style)**

- Classical Revival       Federal       Gothic Revival       Queen Anne
- Colonial       Georgian       Greek Revival       Second Empire
- Colonial Revival       Gothic Italianate       Other

**House Form:**

\_\_\_ I \_\_\_ four over four, one door \_\_\_ two door \_\_\_ four square  
 \_\_\_ fivebay, central doorway \_\_\_ Upright and Wing  Three bay, two rooms deep  
 \_\_\_ Single Pen  Double Pen \_\_\_ Gable Front \_\_\_ New England center chimney  
 \_\_\_ Continental Pennsylvania German  
 Other (describe) L-plan

**Exterior Materials:**

Foundation <u>Stone</u>	Roof <u>Asphalt shingles</u>
Walls <u>Common bond brick</u>	Walls _____
Other _____	Other _____

**Structural System:** 1. Brick 2. \_\_\_\_\_

**Year Built:** C. circa 1880 to \_\_\_\_\_

Explain: Based on architectural style, a construction date of circa 1880 can be estimated.

**Additions/Alterations:** C. \_\_\_\_\_ C. \_\_\_\_\_

**Description and dates of any known alterations:** Many of the windows have been replaced, and a full-width front porch has been added.

**Other house features (novelty/ornamental, siting, banked or not, etc.):** The roof is trimmed with a molded frieze and cornice returns. The recently-constructed porch has a shed roof supported by turned posts with decorative brackets and a lattice balustrade. The windows throughout are primarily replacement 1/1 double-hung sashes trimmed with lintels and sills, and the gable ends have triangular attic story windows. An exterior brick chimney is located on the east elevation of the house.

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**Landscape Information**

**Fields:**

- Contour plowed
- Cropland
- Pasture
- Orchard
- Woodlots

**Circulation Network:**

- Lanes
- Roads
- Pathways
- Streams
- Creeks

**Boundary Demarcations:**

- Hedgerows
- Treelines
- Fencing
- Walls

**Other:**

- Springs
- Pond
- Drainage Ditches
- Manure Lagoon
- Overgrown

**Miscellaneous information about the landscape:**

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Survey Code \_\_\_\_\_

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**Outbuilding Information (Page 1)**

Note materials and date. If date is unknown, put best guess within a 25-year time span. Use second page if needed for other outbuilding types present and if more than one of the listed outbuilding types are present on the property. If more than one outbuilding of a particular type is present, please be sure to number them and mark which is which on the site plan (e.g., Poultry House #1, Poultry House #2, etc.).

<u>Type of Outbuilding</u>	<u>Materials</u>	<u>Date</u>
Bake House		
Butcher House		
Carriage House		
Corn Bins (specify how many)	Three, metal	circa 1960
Corn Crib		
Corn Crib #2		
Corn Crib #3		
Garage	Metal	1980
Granary	Frame	1930
Horse Barn		
Ice House		
Machine Shed #1	Metal	circa 1980
Machine Shed #2		
Milk House	Stone, asphalt	circa 1930
Pigsty	Wood frame	circa 1950
Pole Barn	Metal	circa 1970
Poultry House		
Poultry House #2		
Root Cellar		
Silo	Concrete, metal	circa 1950
Silo #2		
Silo #3		
Smokehouse		
Springhouse	Wood, V-crimp metal	circa 1920
Summer Kitchen		
Tobacco Barn		
Tool Shed		
Wagon Shed		



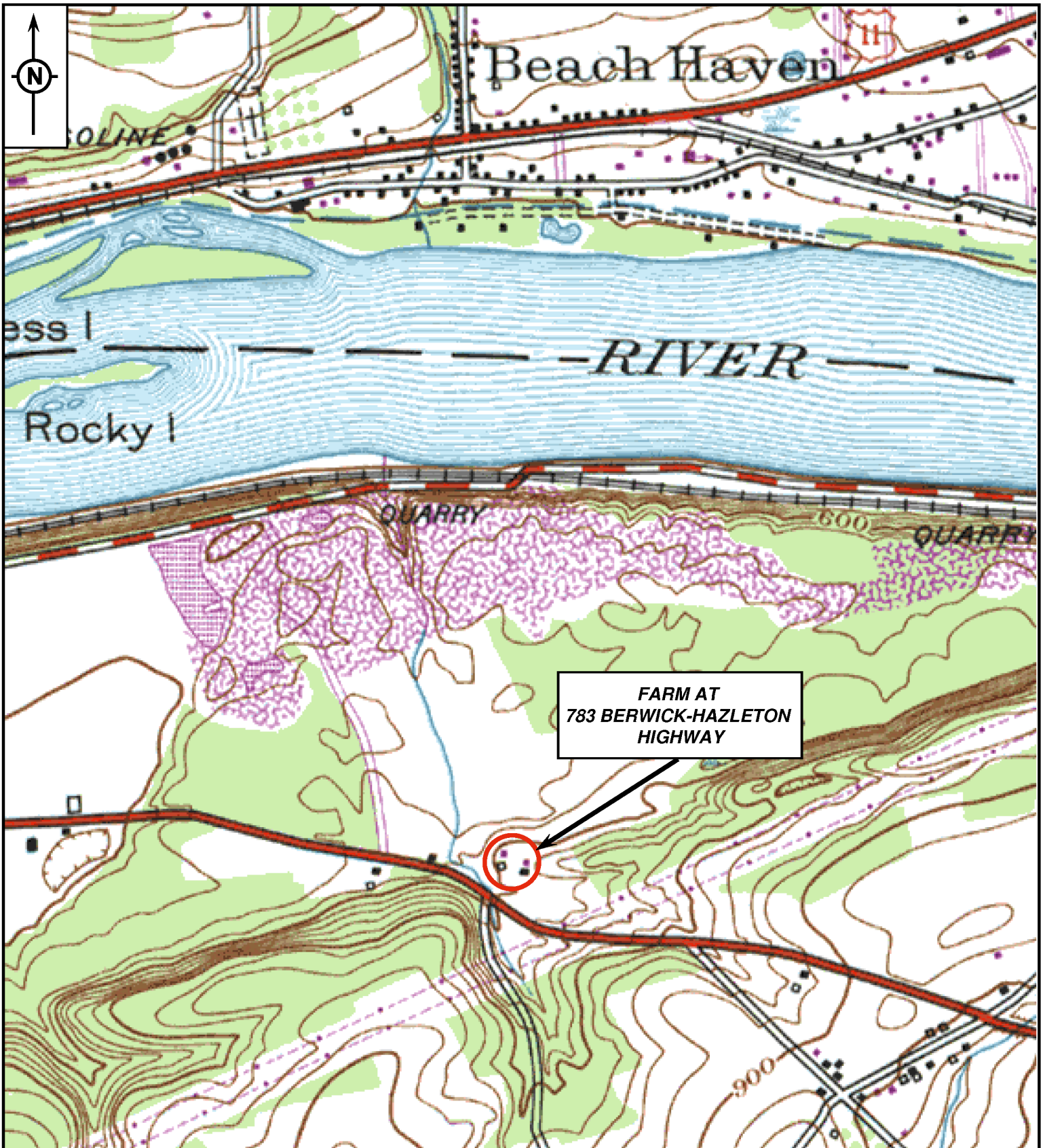
**Other Outbuildings:**

<u>Type of Outbuilding</u>	<u>Materials</u>	<u>Date</u>

**Outbuilding Notes:**

To the north of the barn is a group of several modern structures including a shed-roofed, open bay, equipment shed with metal siding and several modern grain storage bins. Also in the complex is a Wisconsin-style Dairy barn, and modern trailers, which are located to the northeast of the house, and a small wood-framed building that may have served as a spring house located south of the house in a corn field.





SOURCE: USGS 7.5 MINUTE BERWICK, PA  
QUADRANGLE MAP, 1955 (PHOTOREVISED 1969,  
1976)



PROJECT LOCATION

FARM AT 783 BERWICK-HAZLETON  
HIGHWAY  
BELL BEND NPP-1 PROJECT  
LUZERNE COUNTY

**gai consultants**

**gai consultants**



1. Photograph 1
2. Farm at 783 Berwick-Hazleton Highway
3. Nescopeck Township, Luzerne County
4. Farm Overview, Facing Northwest



1. Photograph 2
2. Farm at 783 Berwick-Hazleton Highway
3. Nescopeck Township, Luzerne County
4. Main House-Facade and East Elevation, Facing North

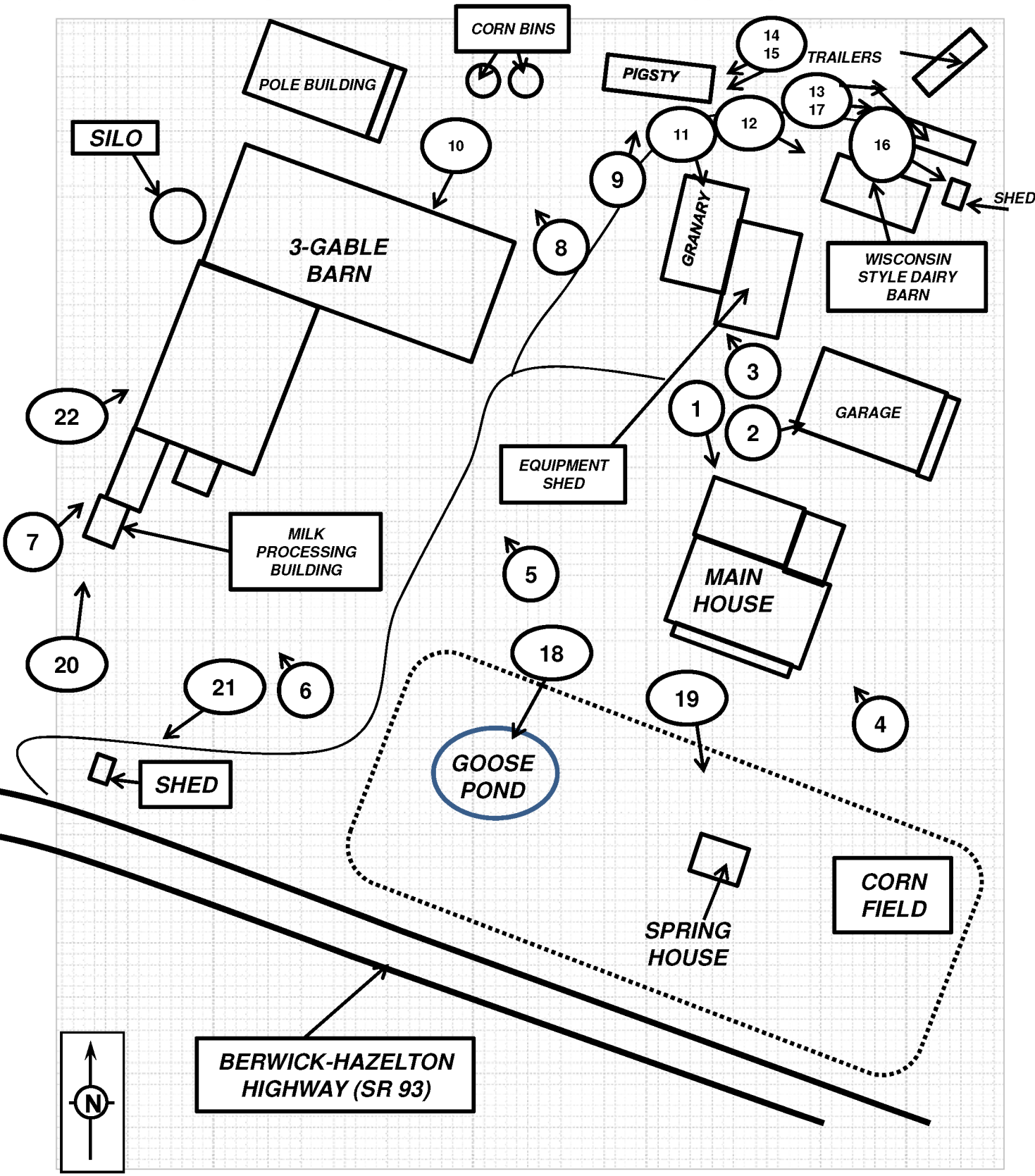




1. Photograph 3
2. Farm at 783 Berwick-Hazleton Highway
3. Nescopeck Township, Luzerne County
4. Barn and Milk Processing Building, Facing Northeast

**Site Plan** (Item 34)

See page 11 of the Instructions for more information regarding the site plan. Create a sketch of the property, showing the footprint of all buildings, structures, landscape features, streets, etc. Label all resources and streets. Include a North arrow and a scale bar (note if scale is approximate). This sheet may be used to sketch a plan or another map/plan may be substituted.



ADDITIONAL PHOTOGRAPHS

1





2





3





5























































# Historic Resource Survey Form

PENNSYLVANIA HISTORICAL AND MUSEUM COMMISSION  
Bureau for Historic Preservation

Key # _____
ER# _____

## Name, Location and Ownership *(Items 1-6; see Instructions, page 4)*

HISTORIC NAME Wapwallopen Historic District

CURRENT/Common Name \_\_\_\_\_

STREET ADDRESS South Church Street, Main Street, Orchard Street, South River Street ZIP \_\_\_\_\_

LOCATION Weiss Street

MUNICIPALITY Wapwallopen COUNTY Luzerne

TAX PARCEL #/YEAR \_\_\_\_\_ USGS QUAD Berwick, PA: Zone 18

OWNERSHIP  Private  
 Public/Local  Public/County  Public/State  Public/Federal

OWNER NAME/ADDRESS Multiple Owners

CATEGORY OF PROPERTY  Building  Site  Structure  Object  District

TOTAL NUMBER OF RESOURCES 94

## Function *(Items 7-8; see Instructions, pages 4-6)*

Historic Function	Subcategory	Particular Type
<u>Domestic</u>	<u>Single Dwelling</u>	<u>Houses</u>
<u>Domestic</u>	<u>Secondary Structure</u>	<u>Garage</u>
<u>Commerce/Trade</u>	<u>Business</u>	<u>Marketplace</u>
<u>Religion</u>	<u>Religious structure</u>	<u>Church</u>
<u>Agriculture/Subsistence</u>	<u>Agricultural Field</u>	<u>Orchard</u>
Current Function	Subcategory	Particular Type
<u>Domestic</u>	<u>Single Dwelling</u>	<u>Houses</u>
<u>Domestic</u>	<u>Secondary Structure</u>	<u>Garage</u>
<u>Commerce/Trade</u>	<u>Business</u>	<u>Marketplace</u>
<u>Religion</u>	<u>Religious structure</u>	<u>Church</u>
<u>Agriculture/Subsistence</u>	<u>Agricultural Field</u>	<u>Orchard</u>

## Architectural/Property Information *(Items 9-14; see Instructions, pages 6-7)*

**ARCHITECTURAL CLASSIFICATION**

Italianate \_\_\_\_\_

Gothic Revival \_\_\_\_\_

Queen Anne \_\_\_\_\_

**EXTERIOR MATERIALS and STRUCTURAL SYSTEM**

Foundation	<u>Stone</u> _____	<u>Brick</u> _____
Walls	<u>Weatherboard</u> _____	<u>Vinyl</u> _____
Roof	<u>Asphalt</u> _____	_____
Other	_____	_____
Structural System	<u>Wood-General</u> _____	_____

**WIDTH** \_\_\_\_\_ (feet) or \_\_\_\_\_ (# bays) **DEPTH** \_\_\_\_\_ (feet) or \_\_\_\_\_ (# rooms) **STORIES/HEIGHT** \_\_\_\_\_

Key # \_\_\_\_\_  
ER# \_\_\_\_\_

**Property Features** *(Items 15-17; see Instructions, pages 7-8)*

Setting Rural village

Ancillary Features  
River  
\_\_\_\_\_  
\_\_\_\_\_

Acreege \_\_\_\_\_ (round to nearest tenth)

**Historical Information** *(Items 18-21; see Instructions, page 8)*

Year Construction Began 1769  Circa Year Completed 1912  Circa  
Date of Major Additions, Alterations \_\_\_\_\_  Circa \_\_\_\_\_  Circa \_\_\_\_\_  Circa  
Basis for Dating  Documentary  Physical  
Explain Dating is based on architectural style and method of construction.  
Cultural/Ethnic Affiliation(s) \_\_\_\_\_  
Associated Individual(s) \_\_\_\_\_  
Associated Event(s) \_\_\_\_\_  
Architect(s) \_\_\_\_\_  
Builder(s) \_\_\_\_\_

**Submission Information** *(Items 22-23; see Instructions, page 8)*

Previous Survey/Determinations \_\_\_\_\_

Threats  None  Neglect  Public Development  Private Development  Other  
Explain There are no known threats to this resource.

This submission is related to a  non-profit grant application  business tax incentive  
 NHPA/PA History Code Project Review  other

**Preparer Information** *(Items 24-30; see Instructions, page 9)*

Name & Title Matthew G. Hyland/Megan L. Otten  
Date Prepared July 28, 2008 Project Name Berwick, PA NPP-1 Project  
Organization/Company GAI Consultants, Inc.  
Mailing Address 385 East Waterfront Drive Homestead, PA 15120  
Phone 412.476.2000 Email \_\_\_\_\_

Key # \_\_\_\_\_  
ER# \_\_\_\_\_

**National Register Evaluation** (Item 31; see Instructions, page 9)  
(To be completed by Survey Director, Agency Consultant, or for Project Reviews ONLY.)

- Not Eligible (due to  lack of significance and/or  lack of integrity)  
 Eligible Area(s) of Significance Community Planning and Development, Architecture  
Criteria Considerations Criteria A and C Period of Significance 1769-1912  
 Contributes to Potential or Eligible District District Name Wapwallopen Historic District

**Bibliography** (Item 32; cite major references consulted. Attach additional page if needed. See Instructions, page 9.)

Janosov, R.A.

"The duPont Powder Mills at Wapwallopen, Pennsylvania, 1856-1912," in The History of Northeastern Pennsylvania. Proceedings of the Third Annual Conference on the History of Northeastern Pennsylvania: The Last 100 Years. Luzerne County Community College Social Science/History Department, Nanticoke, Pennsylvania, 1991.

Lounsbury, C.

"God is in the Details: The Transformation of Ecclesiastical Architecture in Early Nineteenth-Century America," in Perspectives in Vernacular Architecture Journal, pp. 1-21, Vol. 13, No. 1, 2006.

Pearce, S.

Annals of Luzerne County. J.B. Lippincott and Company, Philadelphia, Pennsylvania, 1860

Wapwallopen Historical Society.

A History of the Wapwallopen Region. Boyles Print Shop, Nescopeck, Pennsylvania, 1964.

**Additional Information**

The following must be submitted with form. Check the appropriate box as each piece is completed and attach to form with paperclip.

- Narrative Sheets—Description/Integrity and History/Significance (See Instructions, pages 13-14)  
 Current Photos (See Instructions, page 10)  
 Photo List (See Instructions, page 11)  
 Site Map (sketch site map on 8.5x11 page; include North arrow, approximate scale; label all resources, street names, and geographic features; show exterior photo locations; See Instructions, page 11)  
 Floor Plan (sketch main building plans on 8.5x11 page; include North arrow, scale bar or length/width dimensions; label rooms; show interior photo locations; See Instructions, page 11)  
 USGS Map (submit original, photocopy, or download from TopoZone.com; See Instructions, page 12)

**Send Completed Form and Additional Information to:**

National Register Program  
Bureau for Historic Preservation/PHMC  
Keystone Bldg., 2<sup>nd</sup> Floor  
400 North St.  
Harrisburg, PA 17120-0093

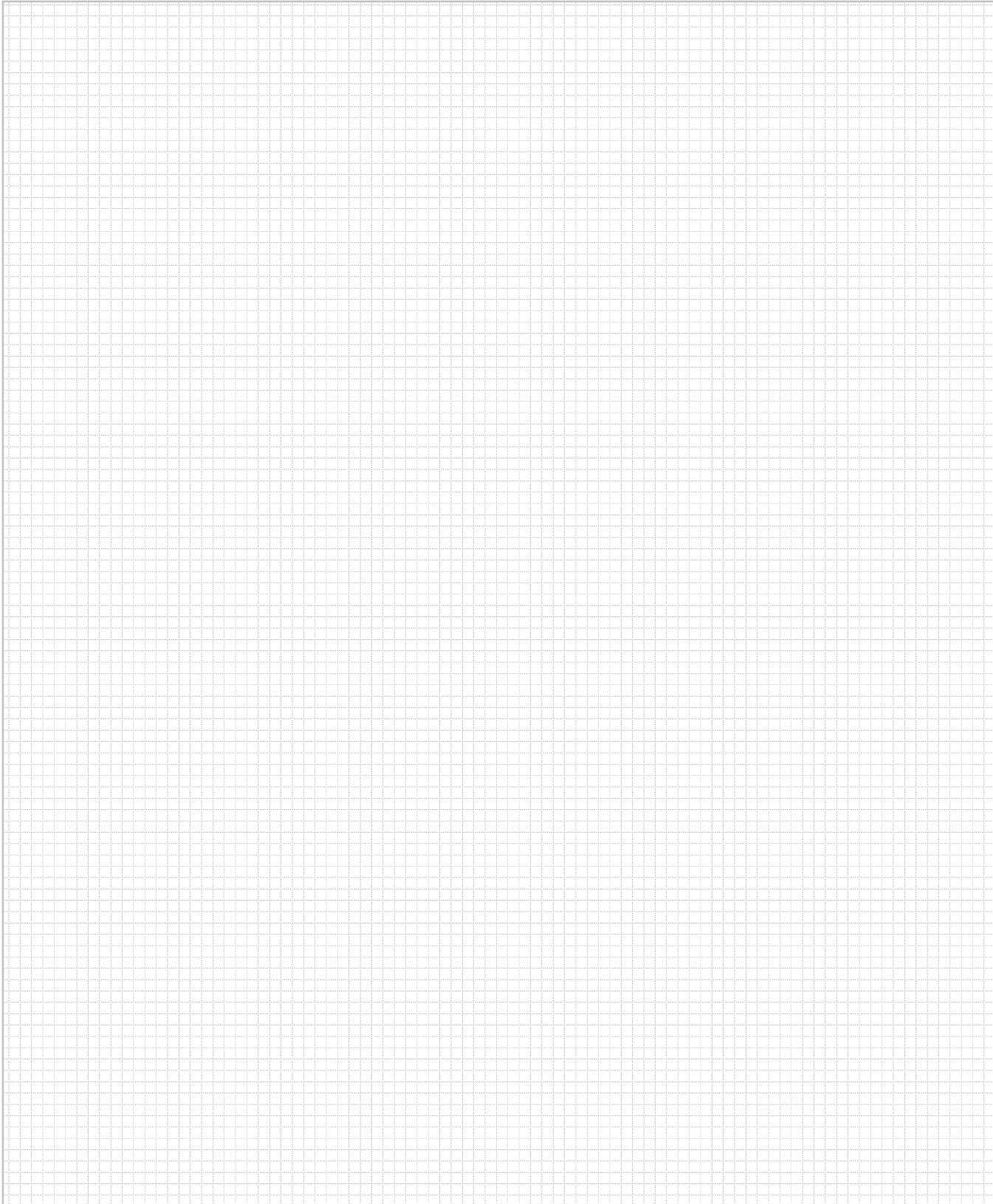




Key # _____
ER# _____

**Site Plan** (Item 34)

See page 11 of the Instructions for more information regarding the site plan. Create a sketch of the property, showing the footprint of all buildings, structures, landscape features, streets, etc. Label all resources and streets. Include a North arrow and a scale bar (note if scale is approximate). This sheet may be used to sketch a plan or another map/plan may be substituted.

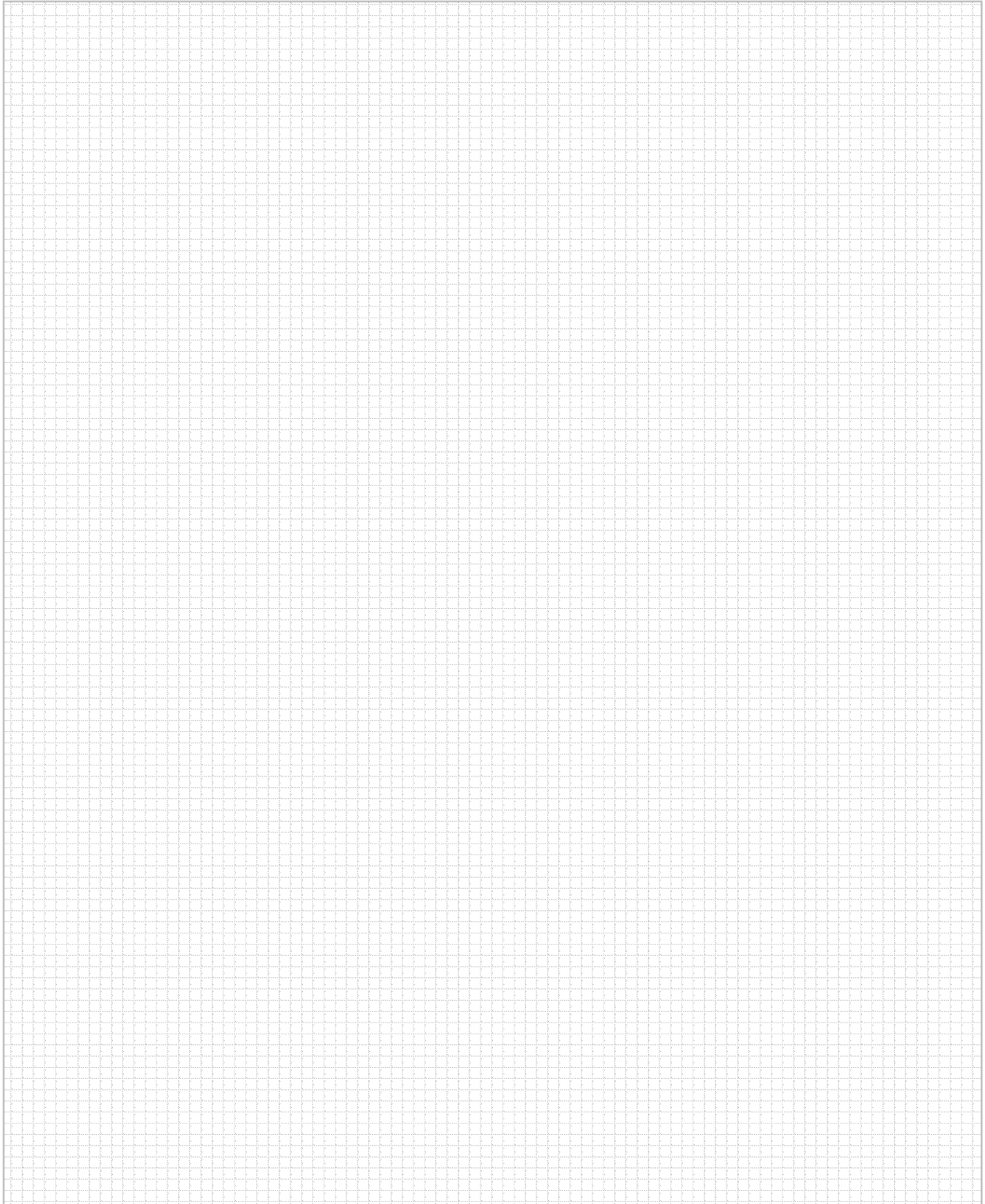


Key # \_\_\_\_\_

ER# \_\_\_\_\_

## Floor Plan (Item 35)

See page 11 of the Instructions for more information regarding the floor plan. Provide a floor plan for the primary buildings, showing all additions. Label rooms and note important features. Note the date of additions. Include a North arrow and a scale bar (note if scale is approximate) or indicate width/depth dimensions. This sheet may be used to sketch a floor plan or another map/plan may be substituted.



## Physical Description and Integrity (Item 38)

Provide a current description of the overall setting, landscape, and resources of the property. See page 13 of the Instructions for detailed directions. Continue on additional sheets as needed. Suggested outline for organizing this section:

- Introduction [summarize the property, stating type(s) of resource(s) and function(s)]
- Setting [describe geographic location, streetscapes, natural/man-made landscape features, signage, etc.]
- Exterior materials, style, and features [describe the exterior of main buildings/resources]
- Interior materials, style, and features [describe the interior of main buildings/resources]
- Outbuildings/Landscape [describe briefly additional outbuildings/landscape features found on property, substitute Building Complex Form if preferred; See Instructions, page 18]
- Boundaries [explain how/why boundaries chosen, such as historic legal parcel, visual natural features such as tree lines, alley separating modern construction, etc.]
- Integrity [summarize changes to the property and assess how the changes impact its ability to convey significance]

(Text entered directly into form fields will not permit formatting adjustments, such as spell checking or italicizing. Instead, you may wish to cut-and-paste text from another document into the field below; “unprotect” the document for this section, or prepare the “Physical Description and Integrity” narrative as a separate document.)

The extant collection of buildings in Wapwallopen range from commercial and ecclesiastical to residential, and many are very well preserved. For the purposes of the current study, ten resources located along South River Street were defined as within the APE for the project. While these resources were inventoried and photographed, there remain a number of additional resources located outside the current study area that contribute to a collective historic district. The ten resources on South River Street date roughly from circa 1870 through circa 1900, and include representative examples of vernacular variants of several styles popular during the period, including Italianate, Gothic Revival, Queen Anne, Stick, and even Colonial Revival. While the wood frame residences typically exhibit meticulously-crafted woodwork, such as highly detailed spindlework, pedimented window moldings, and ornate brackets and corbels, some masonry buildings use unusual joinery and brick configurations in addition to fine woodwork. Overall, the resources located along South River Street maintain good integrity and clearly display much of the original craftsmanship employed in late 19th-century construction.

The Wapwallopen Historic District contains 94 resources. There are 77 contributing resources, and 17 non-contributing resources. Contributing resources include: two churches, a church bell, orchards, garages, single family dwellings, multiple family dwellings, a mill, and a fruit retailer (Heller Orchards). Non-contributing resources are buildings constructed in the recent past and after the historic district's period of significance.

## History and Significance (Item 39)

Provide an overview of the history of the property and its various resources. Do not substitute deeds, chapters from local history books, or newspaper articles. See page 14 of the Instructions for detailed directions. Continue on additional sheets as needed.

Suggested outline for organizing this section:

- History [Summarize the evolution of the property from origin to present]
- Significance [Explain why the property is important]
- Context and Comparisons [Describe briefly similar properties in the area, and explain how this property compares]

(Text entered directly into form fields will not permit formatting adjustments, such as spell checking or italicizing. Instead, you may wish to cut-and-paste text from another document into the field below; “unprotect” the document for this section, or prepare the “History and Significance” narrative as a separate document.)

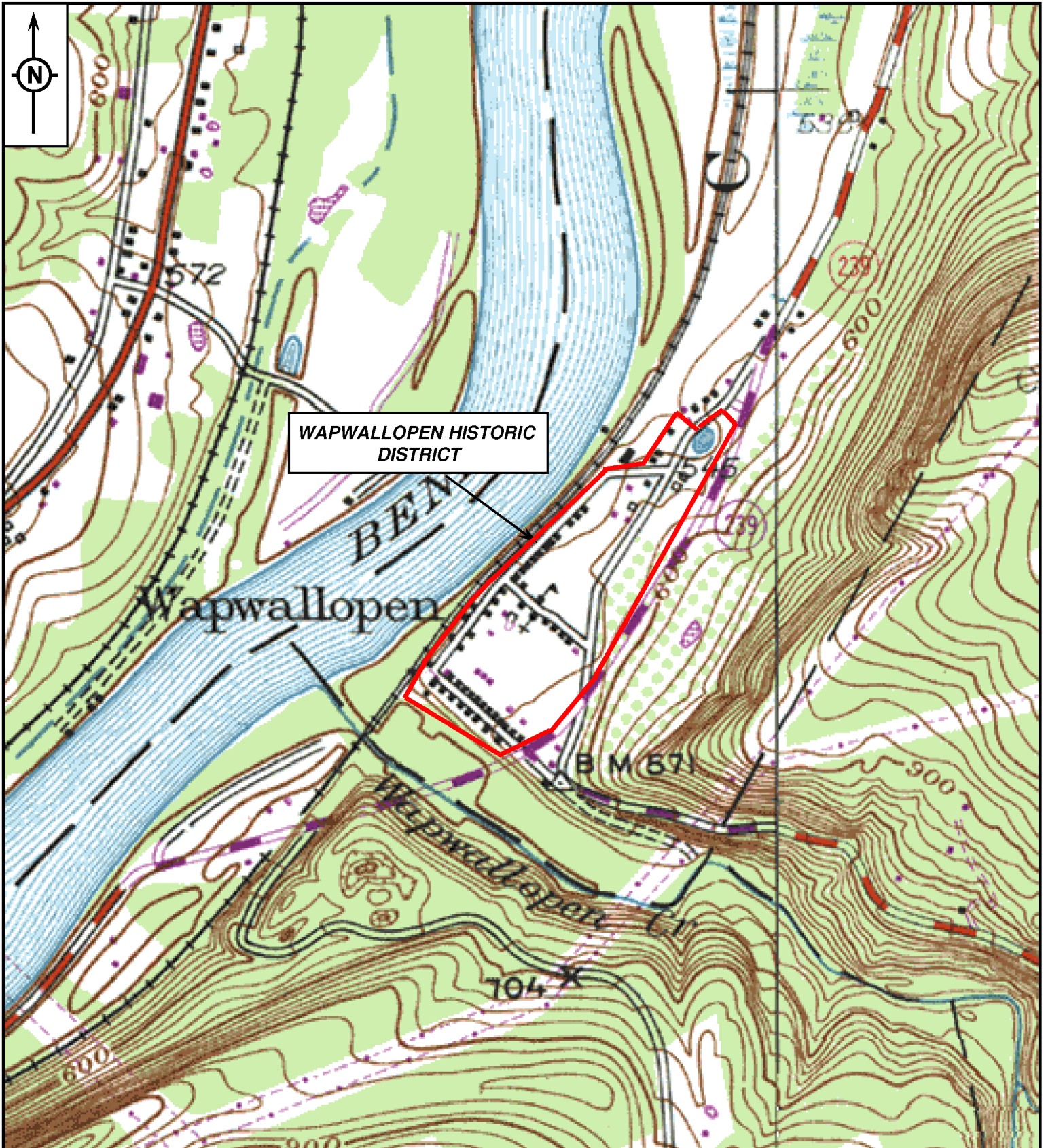
Wapwallopen's early history begins with missionary contact with Delaware and Shawnee groups and later the arrival of agricultural pioneers. European missionaries visited native groups at Wapwallopen in 1744. At that time, John Martin Mack and Christian Fröhlich, Moravian missionaries, called the area Hallobanck. In 1748, John Martin Mack and David Zeisberger noted one family living there. Colonial land grants to tracts in the Wapwallopen area date from 1769. Early Euro-American settlers of German, Swiss, and Alsatian ancestry arrived from Northampton County, Pennsylvania. Nescopeck Township was formed in 1792 after the American Revolution. Local trade in agricultural products and merchandise utilized road networks that connected Wapwallopen to Easton and Philadelphia. Residents established a school in Wapwallopen in 1808. Classes were taught in German. After 1811, Wapwallopen featured a grist mill, a sawmill, and a distillery. A ferry across the Susquehanna River connected Wapwallopen to Beach Haven, and later to the improved transportation networks of the canal and railroad on the opposite shore (Wapwallopen Historical Society 1964: 3, 14-20).

Wapwallopen's domestic economy remained agricultural in character throughout the nineteenth century until the duPont Powder Company recapitalized an existing powder works in 1859. Established in 1856, the Parrish, Silver & Company powder works operated a mill along Wapwallopen Creek until 1859, when bankruptcy forced a sale to the duPont Company. These powder companies profited from the anthracite industry's demand for blasting powder. The duPont Company closed the mill in 1912 (Janosov 1991: 84-85).

The multiple family dwellings in the Wapwallopen Historic District relate to the community's growth from the expansion of the powderworks by duPont. DuPont workers lived here during the powderworks operation. Life in Wapwallopen was closely related to the powderworks. For example, mill explosions frequently caused property damage in Wapwallopen (Janosov 1991: 85).

The ten resources identified along South River Street contribute to an overall Wapwallopen Historic District. For the purposes of the current study, the other buildings in the town were not inventoried, as they fell outside the project APE. Based on the history of the town's development and its relatively self-contained nature, and based upon the well-preserved extant examples of architectural styles popular in the late 19th and early 20th centuries, the resources that comprise the potential Wapwallopen Historic District are collectively recommended eligible for NRHP listing under Criteria A and C. No information could be located that connects this potential historic district to any significant individuals; therefore, it is recommended not eligible for NRHP listing under Criterion B. Further study is recommended to fully delineate the potential historic district boundary and to accurately inventory the sum total of contributing resources.

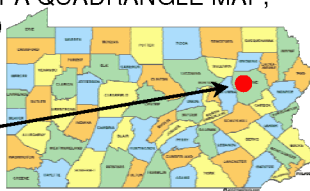




SOURCE: USGS 7.5 MINUTE BERWICK, PA QUADRANGLE MAP, 1955 (PHOTOREVISED 1969, 1976) AND SYBERTSVILLE, PA QUADRANGLE MAP, 1955 (PHOTOREVISED 1969)



PROJECT LOCATION



WAPWALLOPEN HISTORIC DISTRICT  
 BELL BEND NPP-1 PROJECT  
 LUZERNE COUNTY





1. Photograph 1
2. Wapwallopen Historic District
3. Wapwallopen, Luzerne County
4. 454 South River Street, Facade and North Elevation, Facing South



1. Photograph 2
2. Wapwallopen Historic District
3. Wapwallopen, Luzerne County
4. 458 South River Street, Facade and North Elevation, Facing South



1. Photograph 3
2. Wapwallopen Historic District
3. Wapwallopen, Luzerne County
4. 460 South River Street, Facade and West Elevation, Facing Southeast



1. Photograph 4
2. Wapwallopen Historic District
3. Wapwallopen, Luzerne County
4. 464 South River Street, Facade and West Elevation, Facing East





1. Photograph 5
2. Wapwallopen Historic District
3. Wapwallopen, Luzerne County
4. 466 South River Street, Facade and West Elevation, Facing Southeast



1. Photograph 6
2. Wapwallopen Historic District
3. Wapwallopen, Luzerne County
4. 468 South River Street, Facade and South Elevation, Facing East



1. Photograph 7
2. Wapwallopen Historic District
3. Wapwallopen, Luzerne County
4. 470 South River Street, Facade and South Elevation, Facing East



1. Photograph 8
2. Wapwallopen Historic District
3. Wapwallopen, Luzerne County
4. 472 South River Street, Facade and South Elevation, Facing East





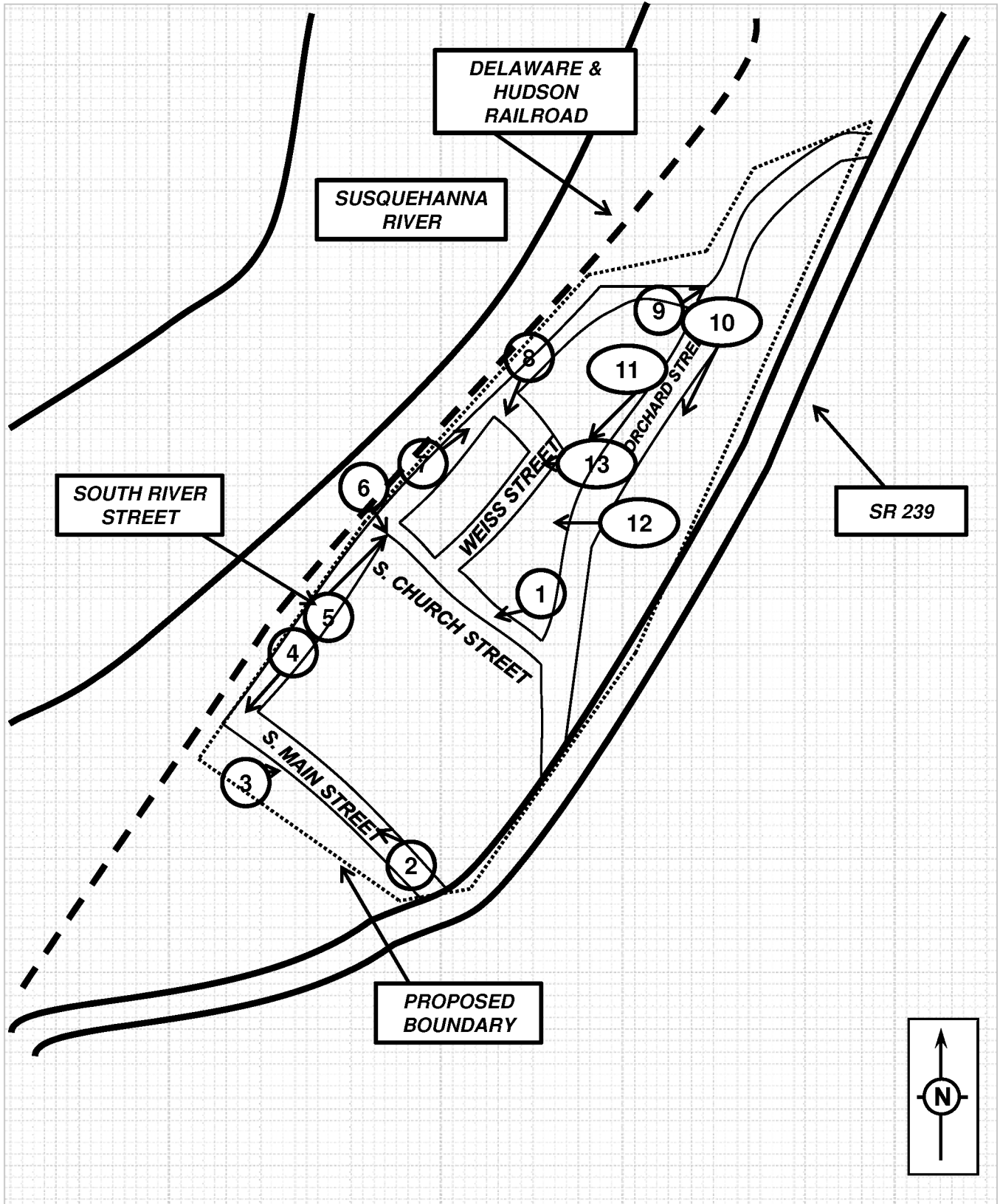
1. Photograph 9
2. Wapwallopen Historic District
3. Wapwallopen, Luzerne County
4. 476 South River Street, Facade and West Elevation, Facing Northeast



1. Photograph 10
2. Wapwallopen Historic District
3. Wapwallopen, Luzerne County
4. 480 South River Street, Facade and West Elevation, Facing Northeast

### Site Plan (Item 34)

See page 11 of the Instructions for more information regarding the site plan. Create a sketch of the property, showing the footprint of all buildings, structures, landscape features, streets, etc. Label all resources and streets. Include a North arrow and a scale bar (note if scale is approximate). This sheet may be used to sketch a plan or another map/plan may be substituted.





ADDITIONAL PHOTOGRAPHS

1







3













7

























Survey Code \_\_\_\_\_

Page 1 of 11

Date of Survey January 2008

Name of Surveyor Matthew G. Hyland

**Farmstead Information (Page 1)**  
**Identification and Location**

Tax Parcel/Other No.: \_\_\_\_\_ Farm Acreage \_\_\_\_\_

County Luzerne Municipality Nescopeck Township

Street Address 811 River Road

Historic Name Clewell Farm

Other Name Farm at 811 River Road

UTM Coordinates Zone 18, 0399302 E, 4545684 N

Date of Farmstead circa 1880 to \_\_\_\_\_

Explain Basis for Dating Farmstead: This farmstead can be dated to circa 1880 based on architectural styles and methods of construction.

If historic or current function is different than agriculture, note and describe current function: Residential

Survey Code \_\_\_\_\_

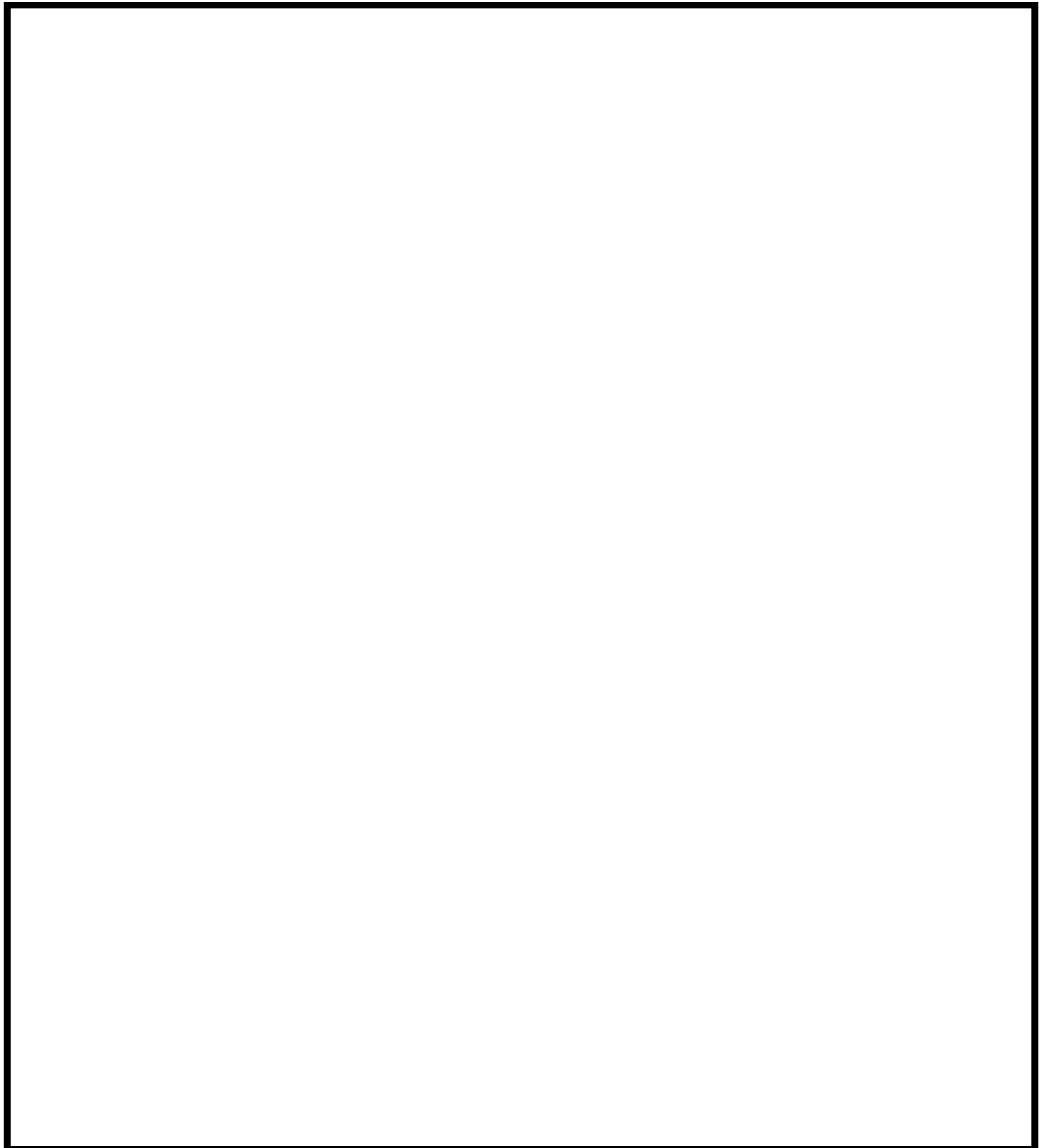
Page 2 of 11

Date of Survey January 2008

Name of Surveyor Matthew G. Hyland

**Farmstead Information (Page 2)**

**Sketch of Farmstead showing relation of structures and landscape features to one another**



Date of Survey January 2008 Name of Surveyor Matthew G. Hyland Site Number \_\_\_\_\_

**Barn Information**

**Barn Type:**

- |                                                       |                                  |
|-------------------------------------------------------|----------------------------------|
| <input checked="" type="checkbox"/> Pennsylvania Barn | _____ Ground Barn (grundscheier) |
| _____ Basement Barn                                   | _____ One of a Kind Barn         |
| _____ Three-Gable Barn                                | _____ Erie Shore Barn            |
| _____ English Barn                                    | _____ Rainbow Roof Barn          |
| _____ Gable-Entry Bank Barn                           | _____ New England Barn           |
| _____ Wisconsin Style Dairy Barn                      | _____ Foundation                 |
| _____ Round or Polygonal Barn                         | _____ Other (Specify)            |

**Exterior Materials:**

- |                                     |                           |
|-------------------------------------|---------------------------|
| Foundation <u>Concrete block</u>    | Roof <u>V-crimp metal</u> |
| Walls <u>Wood siding</u>            | Walls _____               |
| Other <u>Roof: asphalt shingles</u> | Other _____               |

**Exterior Barn Features:**

- |                                                 |                            |
|-------------------------------------------------|----------------------------|
| <input checked="" type="checkbox"/> Banked      | _____ Bridge on Eaves Side |
| _____ Not Banked                                | _____ Bridge on Gable End  |
| _____ Forebay Enclosed on gable end(s)          |                            |
| _____ Forebay Not Enclosed                      |                            |
| _____ Forebay Enclosed on Eaves Side            |                            |
| _____ Forebay Extended and Supported with Posts |                            |

**Footprint:**

- |                                                            |                                               |
|------------------------------------------------------------|-----------------------------------------------|
| _____ Outshed on Bankside (one or more)                    | _____ Rectangular (incl square)               |
| <input checked="" type="checkbox"/> Gable Roof             | _____ Tee                                     |
| _____ Gambrel Roof                                         | _____ Ell                                     |
| _____ Rainbow or Arched Roof                               | _____ Round                                   |
| _____ Shed Roof                                            | _____ Polygonal                               |
| _____ Combination Roof                                     | <input checked="" type="checkbox"/> Irregular |
| <input checked="" type="checkbox"/> Roof Ridge Ventilators |                                               |

**Entry (check all that apply):**

- \_\_\_\_\_ Large Doors in Gable End(s)
- Large Doors in Eaves Side
- \_\_\_\_\_ Dutch Doors Under Forebay
- Human Doors
- \_\_\_\_\_ Dutch Doors (Location: \_\_\_\_\_)

**Access:**

- \_\_\_\_\_ One Level
- Multi Level
  - \_\_\_\_\_ Ramp on Eaves Side
  - \_\_\_\_\_ Ramp on Gable End
  - \_\_\_\_\_ Bank on Eaves Side
  - \_\_\_\_\_ Bank on Gable End



- \_\_\_ Doors in Forebay or Gable End Wall (for offloading or cross ventilation, not entry)
- \_\_\_ Louvered Window Ventilators (shape, location \_\_\_\_\_)
- \_\_\_ Ventilation Slits or Circles
- \_\_\_ Star (shape, location \_\_\_\_\_)
- \_\_\_ Cutout Designs (shape, location \_\_\_\_\_)
- \_\_\_ Brick Design (shape, location \_\_\_\_\_)
- \_\_\_ Painted Designs (nature, location \_\_\_\_\_)
- \_\_\_ Date or Inscription (location and contents \_\_\_\_\_)
- \_\_\_ Hay Hood

**Visible Exterior Alterations.** Give estimated date, location, and materials if possible.

- Enclosed eaves side of Pennsylvania Barn forebay \_\_\_\_\_
- Windows for poultry \_\_\_\_\_
- Lower level windows for dairy cows added or enlarged \_\_\_\_\_
- Shed-roof, gable-end extension for corn and/or machinery \_\_\_\_\_
- Ell extension \_\_\_\_\_
- Horse power shed (usually on bankside) \_\_\_\_\_
- One-story additions for livestock \_\_\_\_\_
- Gable end extension \_\_\_\_\_
- Storm shed stable level extension \_\_\_\_\_
- Shed roof eave side extension \_\_\_\_\_

**Year Built:** C. circa 1920 to \_\_\_\_\_

Explain Basis for Dating: \_\_\_\_\_

Site visit \_\_\_\_\_  
 \_\_\_\_\_

**Other Barn Notes:**

To the rear of the house stands a large, wood-framed, gable-roofed barn that dates from circa 1920. This barn was originally built in an L configuration, with an earthen ramp approach, but has subsequently been altered by a modern addition that nearly doubles the size of the original structure, resulting in a U shape. This barn is built on a concrete block foundation and is clad in wood siding. The roof of the original section of the barn is clad in V-crimp metal with four cupola vents, and the modern section of the barn is topped by asphalt shingles.

Survey Form, Barns, Continued. Site Number \_\_\_\_\_

**Interior Features: (only applicable if you are granted access, Please photograph significant features.)**

- \_\_\_ Structural System:
- \_\_\_ Post and beam framing (sketch bent)
  - \_\_\_ Log (indicate notching system, number of cribs) \_\_\_\_\_
  - \_\_\_ Shawver truss
  - \_\_\_ Rainbow truss
  - \_\_\_ Laminated plank
  - \_\_\_ Balloon frame
  - \_\_\_ Other structural system (explain) \_\_\_\_\_

- \_\_\_ Granary:
- \_\_\_ in forebay
  - \_\_\_ in bankside
  - \_\_\_ in outshed
  - \_\_\_ central

- \_\_\_ Number of threshing floors
- \_\_\_ Number of mows
- \_\_\_ Number of interior levels
- \_\_\_ Pattern of floors, stables, and mows (indicate from what direction and on which level): (eg, upper level, m:f:f:m looking downslope from bank; or one level, s:f:m west to east) \_\_\_\_\_

- 
- \_\_\_ Original stanchions
  - \_\_\_ Longitudinal central aisle
  - \_\_\_ Crosswise aisles and walkways
  - \_\_\_ Original stalls
  - \_\_\_ Integral corn crib
  - \_\_\_ Other ( \_\_\_\_\_ )

Dairy Accommodations on Stable Level:

- \_\_\_ Concrete floors replace dirt
- \_\_\_ metal stanchions of various types replace wooden restraining systems
- \_\_\_ feed and litter alleys are reoriented: Usually lengthwise arrangement of dairy stanchions substitutes for crosswise arrangement of box stalls
- \_\_\_ omission of space for horses (some markets banned housing horses and cows together)
- \_\_\_ evidence of whitewashing
- \_\_\_ evidence of ventilation shafts inserted
- \_\_\_ litter carrier systems
- \_\_\_ installation of electricity
- \_\_\_ relocation or closing of hay chute
- \_\_\_ placement of stalls near light source

\_\_\_ access from silo

Dairy and Other Alterations on Mow Level:

\_\_\_ re-framing to accommodate hay track and other loading devices

\_\_\_ addition of access from silo

\_\_\_ holes cut in the gable end doors to load hay

\_\_\_ elimination of drive floor use as machinery storage in favor of more hay storage

\_\_\_ holes cut in log cribs to facilitate hay and grain movement

\_\_\_ cleats added to barn bents to accommodate tobacco curing

\_\_\_ evidence of pulley systems, etc. to drive machinery

Survey Code \_\_\_\_\_

Page 7 of 11

Date of Survey January 2008

Name of Surveyor Matthew G. Hyland

**Farmhouse Information**

**Architectural Classification: (choose one, only if ornament clearly indicates a style)**

- |                                            |                                              |                                         |                                        |
|--------------------------------------------|----------------------------------------------|-----------------------------------------|----------------------------------------|
| <input type="checkbox"/> Classical Revival | <input type="checkbox"/> Federal             | <input type="checkbox"/> Gothic Revival | <input type="checkbox"/> Queen Anne    |
| <input type="checkbox"/> Colonial          | <input checked="" type="checkbox"/> Georgian | <input type="checkbox"/> Greek Revival  | <input type="checkbox"/> Second Empire |
| <input type="checkbox"/> Colonial Revival  | <input type="checkbox"/> Gothic Italianate   | <input type="checkbox"/> Other          |                                        |

**House Form:**

- I  four over four, one door  two door  four square  
 fivebay, central doorway  Upright and Wing  Three bay, two rooms deep  
 Single Pen  Double Pen  Gable Front  New England center chimney  
 Continental Pennsylvania German

Other (describe) \_\_\_\_\_

**Exterior Materials:**

- |                         |                           |
|-------------------------|---------------------------|
| Foundation <u>Stone</u> | Roof <u>V-crimp metal</u> |
| Walls <u>Vinyl</u>      | Walls _____               |
| Other _____             | Other _____               |

**Structural System:** 1. Brick 2. \_\_\_\_\_

**Year Built:** C. circa 1880 to \_\_\_\_\_

Explain: Based on architectural style and method of construction, a circa 1880 construction date can be estimated.

**Additions/Alterations:** C. \_\_\_\_\_ C. \_\_\_\_\_

**Description and dates of any known alterations:** New siding and roofing materials have been applied, new vinyl sash windows have been installed, and a modern chimney stack is located on the east gable end.

**Other house features (novelty/ornamental, siting, banked or not, etc.):** The centered entrance is marked by a molded door surround with a transom and sidelights. An incised side porch on the rear ell is topped by a shed roof supported by turned wood posts and has modern decking. The fenestration throughout consists of modern 8/8 double-hung, vinyl sash windows, with modern triangular attic story lights on the gable ends. An original corbelled brick chimney is located on the west elevation.



Survey Code \_\_\_\_\_

Page 8 of 11

Date of Survey January 2008

Name of Surveyor Matthew G. Hyland

**Landscape Information**

**Fields:**

- Contour plowed
- Cropland
- Pasture
- Orchard
- Woodlots

**Circulation Network:**

- Lanes
- Roads
- Pathways
- Streams
- Creeks

**Boundary Demarcations:**

- Hedgerows
- Treelines
- Fencing
- Walls

**Other:**

- Springs
- Pond
- Drainage Ditches
- Manure Lagoon
- Overgrown

**Miscellaneous information about the landscape:**

According to the present owner, Dale Chapin, the property formerly functioned as dairy farm operated by the Clewell family. In the late 1960s, Dye Co. transformed the farm into a manufacturing plant that built milk bottle handling equipment. Eight years ago, Chapin purchased the property, built a new house and extensively remodelled the older residence.

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Survey Code \_\_\_\_\_

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Date of Survey January 2008

Name of Surveyor Matthew G. Hyland

**Outbuilding Information (Page 1)**

Note materials and date. If date is unknown, put best guess within a 25-year time span. Use second page if needed for other outbuilding types present and if more than one of the listed outbuilding types are present on the property. If more than one outbuilding of a particular type is present, please be sure to number them and mark which is which on the site plan (e.g., Poultry House #1, Poultry House #2, etc.).

<u>Type of Outbuilding</u>	<u>Materials</u>	<u>Date</u>
Bake House		
Butcher House		
Carriage House		
Corn Bins (specify how many)		
Corn Crib		
Corn Crib #2		
Corn Crib #3		
Garage	Weatherboard, asphalt shingle	circa 1920
Granary		
Horse Barn		
Ice House		
Machine Shed #1		
Machine Shed #2		
Milk House		
Pigsty		
Pole Barn		
Poultry House		
Poultry House #2		
Root Cellar		
Silo		
Silo #2		
Silo #3		
Smokehouse		
Springhouse		
Summer Kitchen		
Tobacco Barn		
Tool Shed		
Wagon Shed		

**Other Outbuildings:**

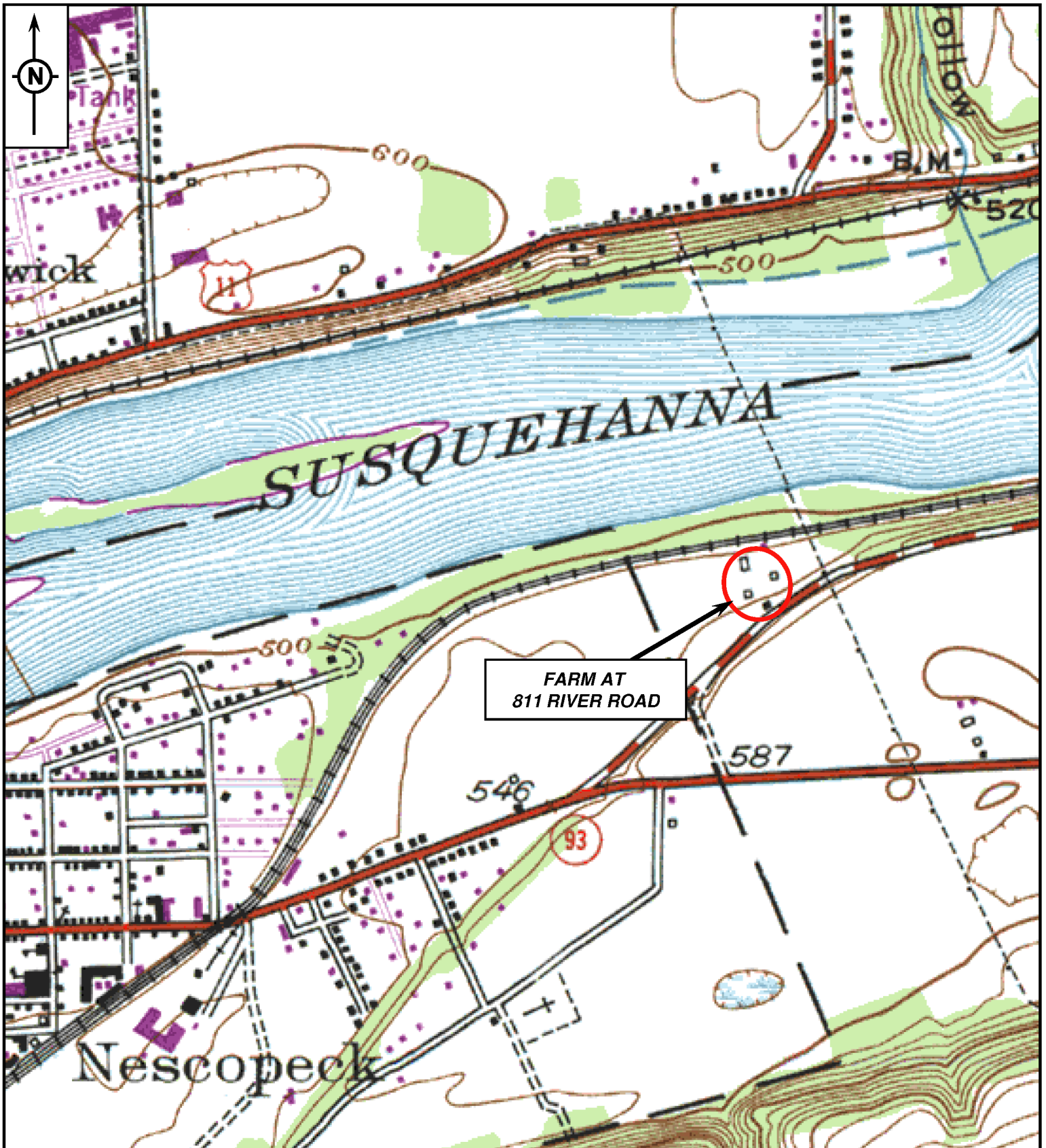
<u>Type of Outbuilding</u>	<u>Materials</u>	<u>Date</u>
Picnic pavilion	Concrete, wood	circa 1995
Dairy	Concrete block	circa 1970
Modern modular home	Vinyl, asphalt	circa 2000

**Outbuilding Notes:**

Associated with this house are several domestic and agricultural outbuildings. Located to the northwest of the main house and in close proximity is a circa-1920, gable-roofed, wood-framed garage/equipment storage building. This building is clad in weatherboard and has an asphalt shingle-clad roof. The main entrance is marked by a board and batten door on a rolling track. Further to the rear of the house stands a large, wood-framed, gable-roofed barn that dates from circa 1920. This barn was originally built in an L configuration, with an earthen ramp approach, but has subsequently been altered by a modern addition that nearly doubles the size of the original structure, resulting in a U shape. This barn is built on a concrete block foundation and is clad in wood siding. The roof of the original section of the barn is clad in V-crimp metal with four cupola vents, and the modern section of the barn is topped by asphalt shingles. Located to the southeast of the barn is a 1-story, gable-roofed, concrete block building that appears to function as a dairy. This building is partially obscured by a modern modular home located on the property.

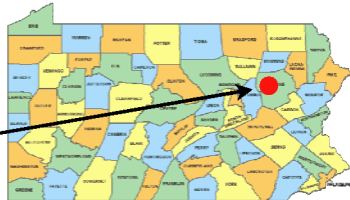






FARM AT  
811 RIVER ROAD

SOURCE: USGS 7.5 MINUTE BERWICK, PA  
QUADRANGLE MAP, 1955 (PHOTOREVISED 1969,  
1976)



PROJECT LOCATION

FARM AT 811 RIVER ROAD  
BELL BEND NPP-1 PROJECT  
LUZERNE COUNTY

**gai consultants**

**gai consultants**



1. Photograph 1
2. Farm at 811 River Road
3. Nescopeck Township, Luzerne County
4. Farm Overview, Facing Northeast



1. Photograph 2
2. Farm at 811 River Road
3. Nescopeck Township, Luzerne County
4. Main House and Picnic Pavilion, Facing Northwest

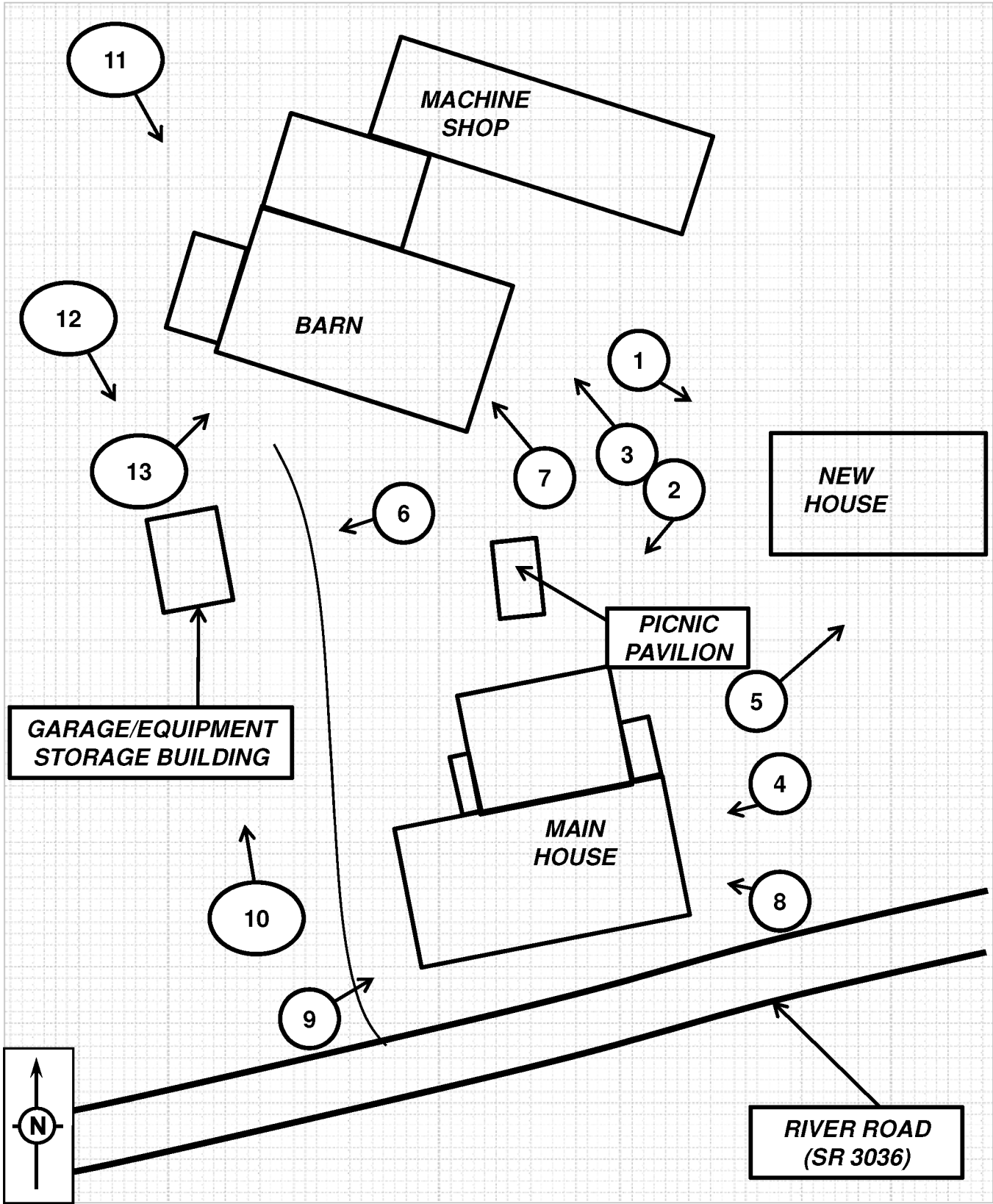




1. Photograph 3
2. Farm at 811 River Road
3. Nescopeck Township, Luzerne County
4. Outbuildings, Facing North

**Site Plan** (Item 34)

See page 11 of the Instructions for more information regarding the site plan. Create a sketch of the property, showing the footprint of all buildings, structures, landscape features, streets, etc. Label all resources and streets. Include a North arrow and a scale bar (note if scale is approximate). This sheet may be used to sketch a plan or another map/plan may be substituted.





ADDITIONAL PHOTOGRAPHS

1

