NW

MAP REPORT FORM

Scale 1:100,000

Map Name: Williamsport NW **State(s):** Pennsylvania

MAP PREPARATION

Photography Used:

Emulsion	Scale	Date	Percent Coverage
1. Color InfraRed	1:58,000	5/6/83	100%
2.			
3.			

Field Check Dates:

1. August 12-16, 1985
2.
3.

Contractor(s) for Photo Interpretation:

1. Mass. Remote Sensing Project, University of Massachusetts, Amherst Mass.
2.
3.

Collateral Data Used:

1. Soil Surveys: Potter, Tioga, Lycoming, ~~Clinton~~ Counties
2. U.S.G.S. topo sheets
3. Fisheries Information from Pa. Fish Commission (Bellefont) + Corps of Engineers at Cowanesque Dam
4.
5.
6.
7.
8.

GEOGRAPHY

General Location:

Northcentral Pennsylvania
Longitude 77°W → 78°W
latitude 41°N → 42°N

Bailey's Ecoregion Classification and Description:

1. (2113) Warm Continental, Laurentian Mixed Forest, Northern Hardwoods
* Forest (Appalachian Highlands, Low Mountains + Open High Hills)
Winters are moderately long and somewhat severe, with snow
2. usually staying on the ground all winter. Precipitation is moderate with maximum precipitation coming in summer. Frost Free Season is 100 to 140 days.
3.

4.

Hammond's Land Surface Form and Physical Subdivision:

1.

2.

3.

4.

* Bailey, Robert G. 1978. Descriptions of the Ecoregions of the United States Forest Service [illegible]

SPECIAL MAPPING PROBLEMS

PROBLEM	RESOLUTION
1. Both EM1C + EM1F may come in looking like UB (open water) on early May photos.	1. Labeling decision will be based on polygon sharpness of edge, location, soil info, topo info + any possible EM signature in water.
2. Water regimes on PUB's (h, b, x)	2. Water regimes will be limited to F (where appears shallow, or on beaver ponds) + H (most excavated + impounded) no G's will be used.
3. Orange coloring on photos can be V (usually obvious), SS1E (2 checksites), SS3B (a few checksites) PEM1B or PSS1/EM1B (checksites) or PEM1E	3. Very few "B's were found, SS3 was especially rare - therefore both will be used sparingly. If brownish or greenish, most likely SS1E - some may be EM1E or
4) Question of what to call "Coolwater Streams" throughout this area - Combination of broad, shallow (warm?) streams, cobble gravel bottoms, usually some slope (often about 20' in ½ mile) - some in broad, open "terraced" bottoms. Most stocked pre- + early season with trout - which die in summer when water warms up.	4) A few major, flatter, broader streams in work area will be called R2 (Tioga, Susquehanna, Cowanesque). Most are more closely R3. A few will be R5 - a combination of R2 + R3 (per Region) as described in "problem".

WETLAND COMMUNITIES

Partial Plant Community List for Williamsport NW and SW Check Sites

SITE 1 - PSS1E. Alnus rugosa, Glyceria spp., Polygonum sagittatum, Impatiens capensis.

- PFO4E. Tsuga canadensis, Pinus strobus, Glyceria spp., Carex spp.

SITE 2 - PEM1A. Solidago spp., Eupatorium maculatum, Juncus spp., Scirpus cyperinus, Carex spp.

SITE 3 - PAB4/UBF. Lemna spp.

- PSS1F. Spiraea latifolia.

SITE 4 - PEM1C. Juncus effusus, Scirpus cyperinus.

SITE 5 - PFO4/SS1E. Tsuga canadensis, Alnus rugosa, Ilex verticullata, Betula lutea, Sphagnum spp.

SITE 6 - PAB3/4G. Nuphar spp., Nymphaea spp., Lemna spp.

- PEM1E. Juncus spp., Carex spp., Bidens spp., Typha latifolia, Polygonum spp., Leersia spp.

- PSS1E. Alnus rugosa, Spiraea latifolia, Viburnum dentatum, Prunus spp.

SITE 7 - PEM1A. Scirpus spp., Typha latifolia, Eupatorium maculatum.

- PEM1A. Juncus spp., Phalaris arundinacea, Eupatorium maculatum, Eupatorium perfoliatum.

SITE 8 - PEM1/AB4F. Bidens spp., Lemna spp., Alnus rugosa.

SITE 9 - PEM1/SS3Eb. Juncus canadensis, Juncus militaris, Carex spp., Chamaedaphne calyculata, Pyrus melanocarpa, Vaccinium oxycoccus.

- PEM1/UBF. Juncus spp., Carex spp., Dulichium spp.

SITE 10 - PSS1E. Spiraea latifolia, Pyrus melanocarpa, Vaccinium spp., Juncus spp.

SITE 11 - PEM1A. Juncus spp., Polygonum spp., Taraxacum officinale, Trifolium repens, Plantago spp., Setaria spp.

SITE 12 - PFO1A. Acer saccharinum.

SITE 13 - PEM1C. Leersia spp. and Alisma spp., Typha latifolia, Carex spp.

- PEM1A. Eupatorium maculatum.

SITE 14 - PEM1C. Polygonum spp., Carex spp., Scirpus spp.

SITE 15 - PAB3/FO5Fb. Nuphar spp., Brasenia spp., dead trees.

SITE 16 - PEM1E. Typha latifolia, Impatiens capensis.

SITE 17 - PSS1/EM1B. Pyrus melanocarpa, Rubus hispidus, Sphagnum spp. Sagittaria spp., Typha latifolia.

- PSS3B. Chamaedaphne calyculata, Sphagnum spp.

SITE 21 - PSS1/EM1B. Vaccinium spp., Scirpus spp., Carex spp., Sphagnum spp.

SITE 22 - PEM1/SS1B. Scirpus spp., Sphagnum spp., Carex spp., Rubus hispidus, Vaccinium angustifolium.

SITE 23 - PFO4/SS1B. Pinus strobus, Tsuga canadensis, Alnus spp., Carex spp., Lonicera spp.

SITE 24 - PFO4B. Pinus strobus, Tsuga canadensis, Abies balsamea, Sphagnum spp.

SITE 25 - PEM1/AB4Fb. Typha latifolia, Scirpus cyperinus, Lemna spp.

SITE 26 - PSS1E. Salix spp., Carex spp.

- PFO1/4E. Tsuga canadensis, Pinus strobus, Fraximus spp., Onoclea sensibilis, Impatiens capensis.

SITE 27 - PEM1Cd. Phalaris arundinacea, Eupatorium maculatum.

SITE 28 - PEM2/AB4F. Sparganium eurycarpum, Typha latifolia, Sagittaria spp., Lemna spp.

SITE 29 - PEM1/AB4F. Typha latifolia, Bidens spp., Impatiens capensis, Lemna spp.

SITE 30 - PUBFb.

- PEM1Eb. Phalaris arundinacea, Carex spp.

SITE 31 - PEM1B. Carex spp., Eupatorium perfoliatum, Verbena hastata.

SITE 32 - PEM2/AB3Fh. Sparganium eurycarpum, Typha latifolia, Scirpus spp., Nuphar spp., Lemna spp.

SITE 33 - PEM1F. Typha latifolia, Carex spp., Sparganium eurycarpum, Lemna spp., Scirpus spp.

SITE 34 - PEM1E. Typha latifolia, Carex spp., Scirpus spp, Eupatorium perfoliatum.

USER CAUTION

The map document was prepared primarily by stereoscopic analysis of high altitude aerial photographs. Wetlands were identified on the photographs based on vegetation, visible hydrology, and geography in accordance with Classification of Wetlands and Deep Water Habitats of the United States (An Operational Draft) Cowardin, et al, 1977. The aerial photographs typically reflected conditions during the specific year and season when they were taken. In addition, there is a margin or error inherent in the use of aerial photographs. Thus a detailed on-the-ground and historical analysis of a single site may result in revision of the wetland boundaries established through photographic interpretation. In addition, some small wetlands and those obscured by dense forest cover may not be included on the map document.

Federal, State, and local regulatory agencies with jurisdiction over wetlands amy define and describe wetlands in a different manner than that used in this inventory. There is no attempt, in either design or products of this inventory, to define limits of proprietary jurisdiction of any Federal, State, or local government or to establish the geographical scope of regulatory programs of government agencies. Persons intending to engage in activities involving modifications within or adjacent to wetland areas should seek the advice of appropriate Federal, State, or local agencies concerning specific agency regulatory programs and proprietary jurisdictions that may affect such activities.

Additional information regarding this map or other National Wetland Inventory activities may be obtained by contacting:

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