

Table 1. Plant Species List

<i>Species</i>	Common Name	Indicator Status
<i>Acer negundo</i>	Box-elder	FAC+
<i>Acer rubrum</i>	Red maple	FAC
<i>Alnus serrulata</i>	Alder	OBL
<i>Aronia arbutifolia</i>	Red chokeberry	FACW
<i>Brassica nigra</i>	Black mustard	NI/UPL
<i>Caltha palustris</i>	Marsh marigold	OBL
<i>Cardamine douglassii</i>	Purplecress	FACW+
<i>Carex atlantica</i>	Bog sedge	FACW+
<i>Carex gynandra</i>	Sedge	FACW+
<i>Carex laevivaginata</i>	Sedge	OBL
<i>Carex lurida</i>	Lurid-sedge	OBL
<i>Carex scoparia</i>	Broom sedge	FACW
<i>Carya ovata</i>	Shagbark hickory	FACU
<i>Cirsium arvense</i>	Canadian thistle	FACU
<i>Cirsium vulgare</i>	Bull thistle	NI/UPL
<i>Cornus amomum</i>	Silky dogwood	FACW
<i>Dactylis glomerata</i>	Orchard grass	FACU
<i>Eleocharis tenuis</i>	Slender spike-rush	FACW+
<i>Elymus riparius</i>	Riverbank wild-rye	FACW
<i>Equisetum fluviatile</i>	Water horsetail	OBL
<i>Eupatorium maculatum</i>	Joe-pye weed	FACW
<i>Eupatorium perfoliatum</i>	Boneset	FACW+
<i>Fraxinus nigra</i>	Black ash	FACW
<i>Glyceria striata</i>	Fowl manna grass	OBL
<i>Hydrocotyle americana</i>	Marsh pennywort	OBL
<i>Impatiens capensis</i>	Jewel weed	FACW
<i>Iris versicolor</i>	Blue flag	OBL
<i>Juglans nigra</i>	Black walnut	FACU
<i>Juncus effusus</i>	Soft rush	FACW+
<i>Ligustrum vulgare</i>	Common privet	FACU
<i>Malus pumila</i>	Apple	NI/UPL
<i>Matteuccia struthiopteris</i>	Ostrich fern	FACW
<i>Mentha arvensis</i>	Field mint	FACW
<i>Myosotis scorpioides</i>	True forget me not	OBL

<i>Onoclea sensibilis</i>	Sensitive fern	FACW
<i>Osmunda cinnamomea</i>	Cinnamon fern	FACW
<i>Panicum virgatum</i>	Switchgrass	FAC
<i>Phalaris arundinaceae</i>	Reed canary grass	FACW
<i>Physocarpus opulifolius</i>	Ninebark	FACW-
<i>Pinus strobus</i>	White pine	FACU
<i>Poa annua</i>	Annual bluegrass	FACU
<i>Ranunculus acris</i>	Common buttercup	FAC+
<i>Rosa multiflora</i>	Multiflora rose	FACU
<i>Rubus flagellaris</i>	Dewberry	FACU
<i>Rumex orbiculatus</i>	Great water-dock	OBL
<i>Sisyrinchium angustifolium</i>	Blue eyed grass	FACW-
<i>Solidago canadensis</i>	Canada goldenrod	FACU
<i>Solidago cf. gigantea</i>	Smooth goldenrod	FACW
<i>Solidago cf. patula</i>	Spreading goldenrod	FAC
<i>Solidago cf. rugosa</i>	Wrinkle-leaf goldenrod	FAC
<i>Solidago cf. uliginosa</i>	Bog goldenrod	OBL
<i>Symplocarpus foetidus</i>	Skunk cabbage	OBL
<i>Trifolium repens</i>	White clover	FACU-

Appendix C

Agency Coordination Documents



Commonwealth of Pennsylvania
Pennsylvania Historical and Museum Commission
Bureau for Historic Preservation
Commonwealth Keystone Building, 2nd Floor
400 North Street
Harrisburg, PA 17120-0093
www.phmc.state.pa.us

August 17, 2005

Andrew Reed, P.E.
Division of Project Development
Bureau of Waterways Engineering
Department of Environmental Protection

Re: ER# 2005-2168-039-B
DEP: Revised Acreage, Proposed Flood Protection Project, Oil
Creek Twp. Detention Dam, Crawford County, PA

Dear Mr. Reed:

The Bureau for Historic Preservation (the State Historic Preservation Office) has reviewed the above named project in accordance with Section 106 of the National Historic Preservation Act of 1966, as amended in 1980 and 1992, and the regulations (36 CFR Part 800) of the Advisory Council on Historic Preservation. These requirements include consideration of the project's potential effect upon both historic and archaeological resources.

There is a high probability that prehistoric and historic archaeological resources are located in this project area. In our opinion, the activity described in your proposal should have no effect on such resources. Should the scope of the project be amended to include additional ground disturbing activity this office should be contacted immediately and a Phase I Archaeological Survey may be necessary to locate all potentially significant archaeological resources.

In our opinion no evaluation of historic structures will be necessary for this project area.

If you need further information in this matter please consult Chan Funk at (717) 772-0924 or pfunk@state.pa.us.

Sincerely,

A handwritten signature in cursive script, appearing to read "Chan Funk".

Doug McLearen, Chief
Division of Archaeology & Protection

Reed, Andrew

From: Reed, Andrew
Sent: Wednesday, August 17, 2005 12:09 PM
To: Funk, Paul
Cc: Schaffer, Foster; Hartranft, Jeffrey
Subject: ER 2005-2168-039-A Titusville, Crawford County

Mr. Funk:

In the PHMC review letter dated June 9, 2005 for the DEP Flood Protection Project for the City of Titusville, Crawford County, you asked to be notified if the project were amended to include additional ground disturbing activity. The scope has been expanded to include ground disturbance associated with constructing approximately 3 acres of replacement wetlands. The replacement wetlands are being designed for non-wetland areas within the inundation limits of the detention dam. Sitting the replacement wetlands upstream of the impact location meets the goal of replacing impacted wetlands immediately adjacent to the impact site and within the same watershed. The replacement wetlands will be located

in the floodplain of Church Run, or its tributaries, and on pasture lands of the same farm as the proposed dam. All the work will be contained in an area from the Titusville City - Oil Creek Township Line to the State Route 89 Bridge over Church Run.

The project consists of constructing a detention dam in Oil Creek Township, Crawford, and County. The dam will be dry except after periods of heavy rainfall, after which the flood waters of Church Run will fill the reservoir area behind the dam for a period of no more than 24 hours. Construction of the dam will result in 1.1 acres of land being disturbed. For the past 80 years the site has been farmed and is now a pasture for grazing cattle. No buildings or structures will be impacted by construction of the dam, storage area, or replacement wetlands. The total disturbed area for the proposed dam and for the wetlands will not exceed 4.5 acres.

Refer to the attached map which shows the limits of work on a USGS Quad.



map.doc

Please review the proposed work for the project's potential impacts to known or probable archeological or historical resources. If you have any questions about the design of the project, contact me at the above telephone number or by e-mail at andreed@state.pa.us <<mailto:andreed@state.pa.us>>, or contact Foster Schaffer at 717-783-7950 or by e-mail at fschaffer@state.pa.us <<mailto:fschaffer@state.pa.us>>.

