

**The City of New York
Department of Environmental Protection**

**Emily Lloyd
Commissioner**

Bureau of Environmental Planning & Analysis



**ENVIRONMENTAL ASSESSMENT
ATTACHMENT 4**

APPENDICES

JULY 2008

Prepared by:

 **Gannett Fleming / HAZEN AND SAWYER**

A Joint Venture

APPENDIX A

NATURAL RESOURCES

**NATURAL RESOURCES CONCEPTUAL
RESTORATION PLAN AND PLANT SCHEDULES**

CAT211 Gilboa Dam Reconstruction Restoration Plan

TARGETED ECOLOGICAL COMMUNITIES

Community Designations (Reschke 2002)
Upland
Native Wildflower Meadow +
Appalachian Oak-Pine Forest (with vernal pools) ^
Maple-Basswood Mesic Forest (with vernal pools) ^
Pine-Northern Hardwood Forest (with vernal pools) *
Floodplain Forest *
Wetland
Shallow Emergent Marsh *
Shrub Swamp *
Red Maple Hardwood Swamp (with vernal pools) *

+ Similar community type exists onsite (e.g. similar to mowed lawn because both provide open habitat)

^ Replaces successional hardwood forests

* Community already exists onsite

CAT211 Gilboa Dam Reconstruction Restoration Plan

Additional Design Elements

- Create vernal pool habitat in upland forest communities to replace lost herptile habitat.
- Stockpile & Reuse soils from impacted vernal pools in created vernal pools to attract amphibians.
 - Prior to destruction of the vernal pools/wetlands, a plan would be developed to collect and relocate blue-spotted and Jefferson Salamander egg masses to existing vernal pools/wetlands in the immediate surrounding areas.
- Reuse soils from impacted wetlands with a low amount of exotic/invasive species (e.g. Wetland 1) to supplement restoration plantings.
- Salvage some of the cleared trees for placement in restored upland/wetland communities to create herptile and small mammal habitat.
- Leave dead tree snags, if possible, for wildlife cover.
- Install bat roosting and maternity boxes near the Dam and Reservoir.
- Install large rocks and/or rock clusters (found onsite) on east and south facing slopes to provide basking habitat for snakes.
- Soil chemistry tested prior to re-vegetation to ensure planned ecological community will be sustainable (supplement soils as needed).
- If delays are anticipated between post-construction site prep and planting of planned ecological community, plant area(s) with non-nitrogen fixing cover crop for erosion control.



**CAT211 Gilboa Dam Reconstruction
Restoration Plan**

**SPECIES LIST FOR
NATIVE WILDFLOWER MEADOW SEED MIX**

Common Name	Scientific Name	Percent
Little Bluestem	<i>Schizachyrium scoparium</i>	25
Switch Grass	<i>Panicum virgatum</i>	15
Virginia Wild Rye *	<i>Elymus virginicus</i>	10
Indian Grass	<i>Sorghastrum nutans</i>	10
Big Bluestem	<i>Andropogon gerardii</i>	6
Partridge Pea	<i>Chamaecrista fasciculata</i>	6
Butterfly weed	<i>Asclepias tuberosa</i>	5
Wild Senna	<i>Senna hebecarpa</i>	5
St. John's Wort	<i>Hypericum punctatum</i>	4
Wild Bergamot	<i>Monarda fistulosa</i>	3
Beard Tongue	<i>Penstemon hirsutus</i>	3
Wild Indigo	<i>Baptisia tinctoria</i>	2
Ox Eye Sunflower	<i>Heliopsis helianthoides</i>	2
Arrow-leaf Aster	<i>Aster sagittifolius</i>	2
Rough Stemmed Goldenrod*	<i>Solidago rugosa</i>	1
Golden Alexanders *	<i>Zizia aurea</i>	1

* species occurs onsite

**CAT211 Gilboa Dam Reconstruction
Restoration Plan**

**SPECIES LIST FOR
APPALACHIAN OAK-PINE FOREST**

TREES

Common Name	Scientific Name	Percent
Northern Red Oak *	<i>Quercus rubra</i>	25
Chestnut Oak	<i>Quercus prinus/montana</i>	20
White Oak *	<i>Quercus alba</i>	20
White Pine *	<i>Pinus strobus</i>	15
Shagbark Hickory*	<i>Carya ovata</i>	15
Eastern Hophornbeam	<i>Ostrya virginiana</i>	5

SHRUBS

Common Name	Scientific Name	Percent
Shadbush *	<i>Amelanchier arborea</i>	50
Maple-leaf Viburnum *	<i>Viburnum acerfolium</i>	20
Elderberry	<i>Sambucus racemosa</i>	15
Blueberry	<i>Vaccinium angustifolium</i>	15

HERBACEOUS

Common Name	Scientific Name	Percent
Pennsylvania Sedge *	<i>Carex pensylvanica</i>	25
Tick-trefoil *	<i>Desmodium glutinosum</i>	25
White Goldenrod *	<i>Solidago bicolor</i>	20
Rattlesnake Root	<i>Prenanthes alba</i>	15
False Solomon's Seal *	<i>Smilacina racemosa</i>	15

* Species occurs onsite

Description: A mixed forest that occurs on sandy soils, sandy ravines in pine barrens, or on slopes with rocky soils that are well drained.

Distribution: Occurs in the Appalachian Plateau, Hudson Valley, and Taconic Highlands ecozones.

**CAT211 Gilboa Dam Reconstruction
Restoration Plan**

**SPECIES LIST FOR
MAPLE-BASSWOOD MESIC FOREST**

TREES

Common Name	Scientific Name	Percent
Sugar Maple *	<i>Acer saccharum</i>	30
American Basswood*	<i>Tilia americana</i>	20
Yellow Birch *	<i>Betula allegheniensis</i>	15
Eastern Hop Hornbeam *	<i>Ostrya virginiana</i>	15
Shagbark Hickory	<i>Carya ovata</i>	10
White Ash *	<i>Fraxinus americana</i>	5
Red Maple *	<i>Acer rubrum</i>	5

SHRUBS

Common Name	Scientific Name	Percent
American Hornbeam *	<i>Carpinus caroliniana</i>	30
Striped Maple *	<i>Acer pensylvanicum</i>	25
Witch Hazel *	<i>Hamamelis virginiana</i>	25
Alternate-leaved Dogwood	<i>Cornus alternifolia</i>	10
Hobblebush	<i>Viburnum lantanoides</i>	10

HERBACEOUS

Common Name	Scientific Name	Percent
Intermediate Wood Fern *	<i>Dryopteris intermedia</i>	25
Canada Mayflower *	<i>Maianthemum canadense</i>	25
Christmas Fern *	<i>Polystichum acrostichoides</i>	20
Purple Trillium	<i>Trillium erectum</i>	10
Star Flower	<i>Trientalis borealis</i>	10
False Solomon's Seal *	<i>Smilacina racemosa</i>	10

* Species occurs onsite.

Description: A broadly defined forest type that occurs on moist, well drained, usually acidic soils.

Distribution: Throughout New York State.

**CAT211 Gilboa Dam Reconstruction
Restoration Plan**

**SPECIES LIST FOR
PINE-NORTHERN HARDWOOD FOREST**

TREES

Common Name	Scientific Name	Percent
White Pine *	<i>Pinus strobus</i>	45
Pitch Pine	<i>Pinus rigida</i>	25
Paper Birch *	<i>Betula papyrifera</i>	15
Yellow Birch *	<i>Betula allegheniensis</i>	10
Red Maple *	<i>Acer rubrum</i>	5

SHRUBS

Common Name	Scientific Name	Percent
Shadbush *	<i>Amelanchier canadensis</i>	40
Blueberry	<i>Vaccinium angustifolium</i>	30
Sheep Laurel	<i>Kalmia angustifolia</i>	30

HERBACEOUS

Common Name	Scientific Name	Percent
Pennsylvania Sedge *	<i>Carex pensylvanica</i>	30
Canada Mayflower *	<i>Maianthemum canadense</i>	20
Bunchberry *	<i>Cornus canadensis</i>	20
Star Flower	<i>Trientalis borealis</i>	15
Wintergreen	<i>Gaultheria procumbens</i>	10
Painted Trillium	<i>Trillium undulatum</i>	5

* Species occurs onsite.

Description: A mixed forest that occurs on gravelly outwash plains, delta sands, eskers, and dry lake sands in the Adirondacks.

Distribution: Throughout upstate New York north of the Coastal Lowlands ecozone, more common to the north.

**CAT211 Gilboa Dam Reconstruction
Restoration Plan**

**SPECIES LIST FOR
FLOODPLAIN FOREST**

TREES

Common Name	Scientific Name	Percent
Sycamore *	<i>Platanus occidentalis</i>	35
Slippery elm *	<i>Ulmus rubra</i>	30
Shagbark Hickory*	<i>Carya ovata</i>	20
American Basswood*	<i>Tilia americana</i>	15

SHRUBS

Common Name	Scientific Name	Percent
Ironwood *	<i>Carpinus caroliniana</i>	30
Striped Maple *	<i>Acer pensylvanicum</i>	30
Spicebush	<i>Lindera benzoin</i>	20
Arrowwood	<i>Viburnum recognitum</i>	20

HERBACEOUS

Common Name	Scientific Name	Percent
Bluejoint Grass *	<i>Calamagrostis Canadensis</i>	15
White Grass	<i>Leersia virginica</i>	15
White snakeroot *	<i>Eupatorium rugosum</i>	10
Indian Hemp *	<i>Apocynum cannabinum</i>	10
Canada Goldenrod *	<i>Solidago canadensis</i>	10
Jumpseed *	<i>Polygonum virginianum</i>	10
Sensitive Fern *	<i>Onoclea sensibilis</i>	10
Jewelweed *	<i>Impatiens capensis</i>	5
Late Goldenrod *	<i>Solidago gigantea</i>	5
Clearweed *	<i>Pilea pumila</i>	5
Virginia Creeper *	<i>Parthenocissus quinquefolia</i>	5

* Species occurs onsite.

Description: A hardwood forest that occurs on mineral soils on low terraces of river floodplains. This habitat is characterized by its flood regime: low areas are annually flooded in spring and higher areas are flooded irregularly.

Distribution: Throughout upstate New York, north of the Coastal Lowlands ecozone.

**CAT211 Gilboa Dam Reconstruction
Restoration Plan**

**SPECIES LIST FOR
SHALLOW EMERGENT MARSH**

SHRUBS⁺

Common Name	Scientific Name	Percent
Sweet Pepperbush	<i>Clethra alnifolia</i>	15
Buttonbush	<i>Cephalanthus occidentalis</i>	10

⁺ Less than 50% coverage, grouped in clusters

HERBACEOUS

Common Name	Scientific Name	Percent
Green Bulrush *	<i>Scirpus atrovirens</i>	15
Shallow Sedge *	<i>Carex lurida</i>	15
Soft Rush *	<i>Juncus effusus</i>	15
Wool Grass *	<i>Scirpus cyperinus</i>	10
Cinnamon Fern *	<i>Osmunda regalis</i>	10
Bluejoint Grass *	<i>Calamagrostis canadensis</i>	5
Tussock Sedge *	<i>Carex stricta</i>	5
Sensitive Fern *	<i>Onoclea sensibilis</i>	5
Fringed Sedge *	<i>Carex crinita</i>	5
Blue Flag	<i>Iris versicolor</i>	3
Wrinkled Goldenrod *	<i>Solidago rugosa</i>	2
Giant Goldenrod *	<i>Solidago gigantean</i>	2
Spotted Joe-Pye-Weed *	<i>Eupatorium maculatus</i>	2
Common Boneset *	<i>Eupatorium perfoliatum</i>	2
Jewelweed *	<i>Impatiens capensis</i>	2
New England Aster *	<i>Aster novae-angliae</i>	2

* Species occurs onsite

Description: A marsh meadow community that occurs on mineral soil or deep muck soils (rather than true peat) that is permanently saturated and seasonally flooded.

Distribution: Throughout New York State.

**CAT211 Gilboa Dam Reconstruction
Restoration Plan**

**SPECIES LIST FOR
SHRUB SWAMP**

SHRUBS

Common Name	Scientific Name	Percent
Meadow-sweet *	<i>Spiraea alba</i> var. <i>latifolia</i>	25
Pussy Willow *	<i>Salix discolor</i>	20
Swamp Azalea	<i>Rhododendron viscosum</i>	15
Wild Raisin	<i>Viburnum cassinoides</i>	15
Arrowwood	<i>Viburnum recognitum</i>	10
Highbush Blueberry	<i>Vaccinium corymbosum</i>	10
Maleberry	<i>Lyonia ligustrina</i>	5

HERBACEOUS

Common Name	Scientific Name	Percent
Soft Rush *	<i>Juncus effusus</i>	20
Green Bulrush *	<i>Scirpus atrovirens</i>	20
Wool Grass *	<i>Scirpus cyperinus</i>	15
Shallow Sedge *	<i>Carex lurida</i>	15
Sensitive Fern *	<i>Onoclea sensibilis</i>	10
Jewelweed *	<i>Impatiens capensis</i>	10
Cinnamon Fern *	<i>Osmunda regalis</i>	5
Marsh Marigold	<i>Caltha palustris</i>	5

* Species occurs onsite.

Description: An inland wetland dominated by tall shrubs that occurs along the shore of a lake or river, in a wet depression or valley not associated with lakes, or as a transition zone between a marsh, fen, or bog and a swamp or upland community.

Distribution: Throughout New York State.

**CAT211 Gilboa Dam Reconstruction
Restoration Plan**

**SPECIES LIST FOR
RED MAPLE-HARDWOOD SWAMP**

TREES

Common Name	Scientific Name	Percent
Red Maple *	<i>Acer rubrum</i>	50
Slippery Elm *	<i>Ulmus rubra</i>	30
Swamp White Oak	<i>Quercus bicolor</i>	10
Black Gum	<i>Nyssa sylvatica</i>	10

SHRUBS

Common Name	Scientific Name	Percent
Ironwood *	<i>Carpinus caroliniana</i>	25
Common Elderberry *	<i>Sambucus canadensis</i>	20
Winterberry *	<i>Ilex verticillata</i>	15
Northern Arrowwood	<i>Viburnum recognitum</i>	15
Spicebush	<i>Lindera benzoin</i>	15
Silky Dogwood *	<i>Cornus amomum</i>	10

HERBACEOUS

Common Name	Scientific Name	Percent
Green Bulrush *	<i>Scirpus atrovirens</i>	15
Cinnamon Fern *	<i>Osmunda cinnamomea</i>	15
Shallow Sedge *	<i>Carex lurida</i>	15
Fringed Sedge *	<i>Carex crinita</i>	10
Sensitive Fern *	<i>Onoclea sensibilis</i>	10
Jewelweed *	<i>Impatiens capensis</i>	10
Royal Fern	<i>Osmunda regalis</i>	5
Skunk Cabbage	<i>Symplocarpus foetidus</i>	5
White Hellebore*	<i>Veratrum viride</i>	5
Tall Meadow Rue	<i>Thalictrum pubescens</i>	5
Marsh Marigold	<i>Caltha palustis</i>	5

* Species occurs onsite.

Description: A hardwood swamp that occurs in poorly drained depressions, usually on inorganic soils.

Distribution: Throughout New York State

APPENDIX B

RARE , THREATENED, AND ENDANGERED SPECIES COORDINATION

New York State Department of Environmental Conservation
Division of Fish, Wildlife & Marine Resources
New York Natural Heritage Program

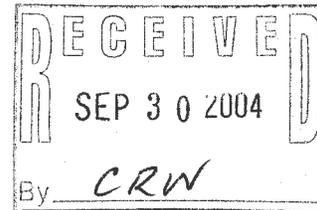
625 Broadway, 5th floor, Albany, New York 12233-4757
Phone: (518) 402-8935 • FAX: (518) 402-8925

Website: www.dec.state.ny.



September 21, 2004

Cy R. Whitson
Gannett Fleming/Hazen and Sawyer
498 Seventh Ave
New York, NY 10018



Dear Mr. Whitson:

In response to your recent request, we have reviewed the New York Natural Heritage Program database with respect to an Environmental Assessment for the proposed Schohatir Reservoir Tunnel Intake Dredging Project, area as indicated on the map you provided, located in the Counties of Schoharie, Delaware, Ulster and Greene.

Enclosed is a report of rare or state-listed animals and plants, significant natural communities, and other significant habitats, which our databases indicate occur, or may occur, on your site or in the immediate vicinity of your site. The information contained in this report is considered sensitive and may not be released to the public without permission from the New York Natural Heritage Program.

PLEASE NOTE: Re phone conversation of Sept. 20th, only work are currently under consideration is slightly north of Hardenburgh Falls (potential work area north of Gilboa Dam is no longer being considered).

The presence of rare species may result in this project requiring additional permits, permit conditions, or review. For further guidance, and for information regarding other permits that may be required under state law for regulated areas or activities (e.g., regulated wetlands), please contact the appropriate NYS DEC Regional Office, Division of Environmental Permits, at the enclosed address.

For most sites, comprehensive field surveys have not been conducted; the enclosed report only includes records from our databases. We cannot provide a definitive statement on the presence or absence of all rare or state-listed species or significant natural communities. This information should not be substituted for on-site surveys that may be required for environmental impact assessment.

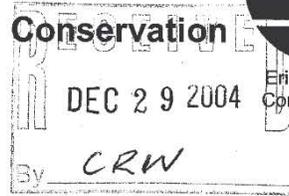
Our databases are continually growing as records are added and updated. If this proposed project is still under development one year from now, we recommend that you contact us again so that we may update this response with the most current information

Sincerely,

Charlene Houle, Information Services
NY Natural Heritage Program

cc: Reg. 3 and 4, Wildlife Mgr.
Reg. 3 and 4, Fisheries Mgr.
Peter Nye, Endangered Species Unit, Albany, 5th floor

New York State Department of Environmental Conservation
Division of Fish, Wildlife & Marine Resources
New York Natural Heritage Program
625 Broadway, 5th floor, Albany, New York 12233-4757
Phone: (518) 402-8935 • FAX: (518) 402-8925
Website: www.dec.state.ny



Erin M. Crotty
Commissioner

December 14, 2004

RECEIVED

DEC 23 2004

HAZEN & SAWYER, P.C.
498 SEVENTH AVENUE

Cy R. Whitson
Gannett Fleming/Hazen and Sawyer
498 Seventh Ave
New York, NY 10018

Dear Mr. Whitson:

In response to your recent request, we have reviewed the New York Natural Heritage Program database with respect to an Environmental Assessment for the proposed Shandaken Tunnel Intake Channel Dredging, Schoharie Reservoir, # 04 DEP 217U, area as indicated on the map you provided, with the exception that the area immediately north of the Gilboa Dam, Gate 16, which is now the preferred site for disposal of dredged Sediment.

Enclosed is a report of rare or state-listed animals and plants, significant natural communities, and other significant habitats, which our databases indicate occur, or may occur, on your site or in the immediate vicinity of your site. The information contained in this report is considered sensitive and may not be released to the public without permission from the New York Natural Heritage Program.

The presence of rare species may result in this project requiring additional permits, permit conditions, or review. For further guidance, and for information regarding other permits that may be required under state law for regulated areas or activities (e.g., regulated wetlands), please contact the appropriate NYS DEC Regional Office, Division of Environmental Permits, at the enclosed address.

For most sites, comprehensive field surveys have not been conducted; the enclosed report only includes records from our databases. We cannot provide a definitive statement on the presence or absence of all rare or state-listed species or significant natural communities. This information should not be substituted for on-site surveys that may be required for environment impact assessment.

Our databases are continually growing as records are added and updated. If this proposed project is still under development one year from now, we recommend that you contact us again so that we may update this response with the most current information.

Sincerely,
Charlene Houle
Charlene Houle, Information Services
NY Natural Heritage Program

Encs.

1cc: Reg. 3 and 4, Wildlife Mgr.
Reg. 3 and 4, Fisheries Mgr.
Peter Nye, Endangered Species Unit, Albany

APPENDIX C

HISTORIC AND ARCHAEOLOGICAL CORRESPONDANCE



New York State Office of Parks, Recreation and Historic Preservation

Historic Preservation Field Services Bureau • Peebles Island, PO Box 189, Waterford, New York 12188-0189

518-237-8643

www.nysparks.com

Eliot Spitzer
Governor

Carol Ash
Commissioner

9 October 2007

Ms. Diane M. McCarthy
New York City Department of Environmental Protection
59-17 Junction Boulevard
Flushing, NY 11373

CORPS PERMITS
Reconstruction of Gilboa Dam, Schoharie Reservoir
Town of Gilboa, Schoharie County
07PR02067

Dear Ms McCarthy:

The State Historic Preservation Office (SHPO) has reviewed the information submitted for this project (*End of Field Letter, Additional Archaeological Survey, Schoharie Reservoir Project, Town of Gilboa, Schoharie County, NY, 4 May 2007*, and *End of Field Letter, Data Recovery of the J. Reed (SUBi-2531), Gilboa 1 (SUBi-2532), Gilboa 4 (SUBi-2598), and Gilboa 5, North locus (SUBi-2599), Sites, 15 August 2007*, both prepared by the Public Archaeology Facility). Our review has been in accordance with Section 106 of the National Historic Preservation Act and relevant implementing regulations.

SHPO concurs with the recommendation that the three newly discovered sites, J. Cronk 1, J. Cronk 2, and Vroman, may be eligible for listing on the National Register of Historic Places. Either these sites should be protected from adverse effects or they should be subjected to Phase II-level investigations in order to evaluate their National Register eligibilities. If site protection is the selected alternative, detailed protection plans should be submitted for SHPO concurrence. SHPO requests that site inventory forms be submitted for each of these sites.

SHPO concurs that the data recovery fieldwork at the J. Reed (SUBi-2531, A09508.000062), Gilboa 1 (SUBi-2532, A09508.000064), Gilboa 4 (SUBi-2598, A09508.000069), and Gilboa 5, North locus (SUBi-2599, A09508.000070) sites conforms to the approved data recovery plan and that no additional fieldwork is necessary at these sites. SHPO looks forward to reviewing the full data recovery report on these sites.

Please reference SHPO USN site numbers in all reports.

Perazio, 9 October 2007, page 2

If you have any questions please don't hesitate to contact me.

Sincerely,

A handwritten signature in black ink, appearing to read "Philip A. Perazio". The signature is written in a cursive style with a large, sweeping initial "P".

Philip A. Perazio, OPRHP

Phone: 518-237-8643 x3276; FAX: 518-233-9049

Email: Philip.Perazio@oprhp.state.ny.us

Cc: Nina Versaggi, PAF



New York State Office of Parks, Recreation and Historic Preservation

Historic Preservation Field Services Bureau • Peebles Island, PO Box 189, Waterford, New York 12188-0189

518-237-8643

www.nysparks.com

Eliot Spitzer
Governor

Carol Ash
Commissioner

10 May 2007

Ms. Diane M. McCarthy
New York City Department of Environmental Protection
59-17 Junction Boulevard
Flushing, NY 11373

CORPS PERMITS

Reconstruction of Gilboa Dam, Schoharie Reservoir
Town of Gilboa, Schoharie County
07PR02067

Dear Ms McCarthy:

The State Historic Preservation Office (SHPO) has reviewed the information submitted for this project (*Cultural Resource Management Report, Phase 2 Site Examination, Mackey 1 Site, SUBi-2595; Mackey 2 Site, SUBi-2596; Buckingham Site, SUBi-2594; Gilboa 3 Site, SUBi-2597; Gilboa 4 Site, SUBi-2598; Gilboa 5 Site, SUBi-2599, Schoharie Reservoir, Town of Gilboa, Schoharie County, New York, March 2007 and Final Data Recovery Plan, J. Reed Site (SUBi-2531), Gilboa I Site (SUBi-2532), Gilboa IV Site (SUBi-2598), Gilboa V Site (SUBi-2599), Gilboa Dam Project, Town of Gilboa, Schoharie County, New York, March 2007, both prepared by the Public Archaeology Facility*). Our review has been in accordance with Section 106 of the National Historic Preservation Act and relevant implementing regulations.

The Phase 2 investigation evaluated six archaeological sites regarding their National Register eligibility (NRE). Each has been assigned a Unique Site Number (USN)

USN	NRE	SITE NAME
09508.000067	No	Buckingham Historic Site (SUBi-2594)
09508.000068	No	Gilboa 3 Historic Site (SUBi-2597)
09508.000069	Yes	Gilboa 4 Historic Site (SUBi-2598)
09508.000070	Yes	Gilboa 5 Historic Site (SUBi-2599)
09508.000065	No	Mackey 1 Historic Site (SUBi-2595)
09508.000066	No	Mackey 2 Historic Site (SUBi-2596)

SHPO concurs with the results and recommendations of the above-referenced Phase 2 investigation. The applicant indicates that avoidance of the two National Register eligible sites, Gilboa 4 and Gilboa 5, is not feasible (Versaggi, personal communication, 3 May 2007). Therefore, mitigation of effects via data recovery is recommended.

Perazio, 10 May 2007, p. 2

The submitted data recovery plan also encompasses proposed investigations of two other, previously evaluated sites – the J. Reed Historic Site (09508.000062) and the Gilboa 1 Historic Site (09508.000064), which also have been recommended as National Register eligible and which cannot be avoided by the planned project.

SHPO concurs with the above-referenced data recovery plan for the four National Register eligible sites located within the APE of the planned Gilboa Dam reconstruction project.

A determination of effect will be provided only after ALL documentation requirements have been met. In addition to archaeological concerns, technical review of above-ground resources is also pending. Any questions concerning our comments and/or requests for additional information should be directed to the appropriate staff person: Archaeology – Philip Perazio (518-237-8643 x3276) and Technical Assistance: Marie Sarchiapone (518-237-8643 x3284).

If you have any questions please don't hesitate to contact me.

Sincerely,

A handwritten signature in black ink, appearing to read "Philip A. Perazio". The signature is written in a cursive style with a large initial "P".

Philip A. Perazio, OPRHP
Phone: 518-237-8643 x3276; FAX: 518-233-9049
Email: Philip.Perazio@oprhp.state.ny.us



New York State Office of Parks, Recreation and Historic Preservation

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Eliot Spitzer
Governor

Carol Ash
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July 13, 2007

Diane M. McCarthy
NYC DEP
59-17 Junction Boulevard
Flushing, New York 11373

Re: CORPS PERMITS
Gilboa Dam Reconstruction
Schoharie Reservoir
GILBOA, Schoharie County
07PR02067

Dear Ms. McCarthy:

Thank you for continuing to consult with the State Historic Preservation Office (SHPO). SHPO has reviewed the materials you submitted in accordance with Section 106 of the National Historic Preservation Act of 1966 and relevant implementing regulations.

When we spoke on site, I recall saying that the extensive work to the dam is technically an Adverse Effect under the law cited above. However, the work can proceed after a Memorandum of Agreement is signed listing mitigation measures.

It was suggested by someone that the bluestone facing could be reused to pave the road leading to the dam. I suggested some of the stone could be offered to the town to be used in local parks or public areas. I also suggested NYC use it in their park projects since the dam is owned by the city. You have completed photo documentation of the dam. Please submit an original to the Gilboa local library or historical society. We will submit one of our copies to the NYS Archives.

Since I am unsure of what you are offering as mitigation beyond photo documentation, it might be more expeditious for you to write the first draft of the Memorandum of Agreement. I have enclosed a sample for your convenience.

Please continue to consult with Philip Perazio regarding the archeological resources on the site.

SHPO appreciates the opportunity to comment on this project. Should you have any questions about this review, please contact me at 518-237-8643 ext 3284 or at marie.sarchiapone@oprhp.state.ny.us .Thank you.

Sincerely,

A handwritten signature in black ink, appearing to read 'm sarchiapone', written in a cursive style.

Marie Sarchiapone
Historic Sites Restoration Coordinator

CC: MAS chron



New York State Office of Parks, Recreation and Historic Preservation

Historic Preservation Field Services Bureau • Peebles Island, PO Box 189, Waterford, New York 12188-0189

518-237-8643

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MP
David A. Paterson
Governor

Carol Ash
Commissioner

17 June 2008

Ms. Diane M. McCarthy
New York City Department of Environmental Protection
59-17 Junction Boulevard
Flushing, NY 11373

CORPS PERMITS
Reconstruction of Gilboa Dam, Schoharie Reservoir
Town of Gilboa, Schoharie County
07PR02067

2008 JUN 28 PM 12:04

Dear Ms McCarthy:

The State Historic Preservation Office (SHPO) has reviewed the information submitted for this project (*Cultural Resource Management Report, Phase 2 Site Examination, J. Cronk 1 Site (SUBi-2666), J. Cronk 2 Site (SUBi-2667), Vroman Site (SUBi-2668), Schoharie Reservoir, Town of Gilboa, Schoharie County, New York, May 2008*, prepared by Public Archaeology Facility). Our review has been in accordance with Section 106 of the National Historic Preservation Act and relevant implementing regulations.

The three sites examined by the above-referenced investigation have been given the following Unique Site Numbers (USN):

SITE NAME	USN
J. Cronk 1 Historic Site (SUBi-2666)	A09508.000071
J. Cronk 2 Historic Site (SUBi-2667)	A09508.000072
Vroman Historic Site (SUBi-2668)	A09508.000073

SHPO concurs with the report's recommendation that all three of these sites are eligible for listing on the National Register of Historic Places. Based on the information provided, SHPO recommends that the planned project will have an Adverse Effect on these historic properties.

Since it appears that disturbance of these sites by the planned project cannot be avoided, SHPO recommends that data recovery investigations should be conducted at each site prior to project construction in order to mitigate the anticipated adverse effects. SHPO requests that data recovery plans be prepared for each site and submitted to this office for review and concurrence.

Perazio, 17 June 2008, page 2

If you have any questions please don't hesitate to contact me.

Sincerely,

A handwritten signature in black ink, appearing to read "Philip A. Perazio". The signature is written in a cursive style with a large initial "P".

Philip A. Perazio, OPRHP
Phone: 518-237-8643 x3276; FAX: 518-233-9049
Email: Philip.Perazio@oprhp.state.ny.us

Cc: Nina Versaggi, PAF