

Owego Elementary School Facility Relocation Project

Appendix C Correspondence

BINGHAMTON
UNIVERSITY

State University of New York



PUBLIC ARCHAEOLOGY FACILITY
Nina M. Versaggi, PhD RPA Director
nversagg@binghamton.edu

PO Box 6000
Binghamton, New York 13902-6000
607-777-4786, FAX 607-777-2288

January 18, 2013

Dr. Bill Russell, Superintendent
Owego Apalachin Central School District
36 Talcott Street
Owego, NY 13827

Re: Elementary School Demolition and Reconstruction - Evaluation of staging area

Dear Dr. Russell:

Per our conversation yesterday, we have reviewed our Phase I testing report from December 2012 written by Timothy Knapp, and evaluated our results in relation to the newly proposed staging area between the current school and George Street.

Attached is a map with the proposed staging area outlined in blue. Tim Knapp, PAF project director for this project, checked our records and verified that we did test in this area. In addition, there were some backhoe trenches. It appears that most of our STPs in this area found deep layers of fill. This was confirmed by the two backhoe trenches dug in this area. Trench 7 (closer to the road) had 60 cm (24 inches) of fill. Trench 8, to the north, documented disturbed soils to 140 cm (55 inches). We could not test where the FEMA trailers are located in this area, but only 2 STPs would have been excavated here. Extrapolating from Trench 8 and nearby STPs, fill and disturbed soils for at least 2 ft in depth are probably underneath the FEMA trailers. There are also buried utilities now in this area.

Our recommendation is that no cultural resources are present in this area to the depths of our testing. If scraping of the ground surface for the proposed staging area is restricted to the depths we discussed (6-12 inches) I do not see any concerns that SHPO or FEMA would have in this area.

Please let me know if you have questions.

Sincerely,

Nina M. Versaggi, PhD RPA
Director of PAF

enc.

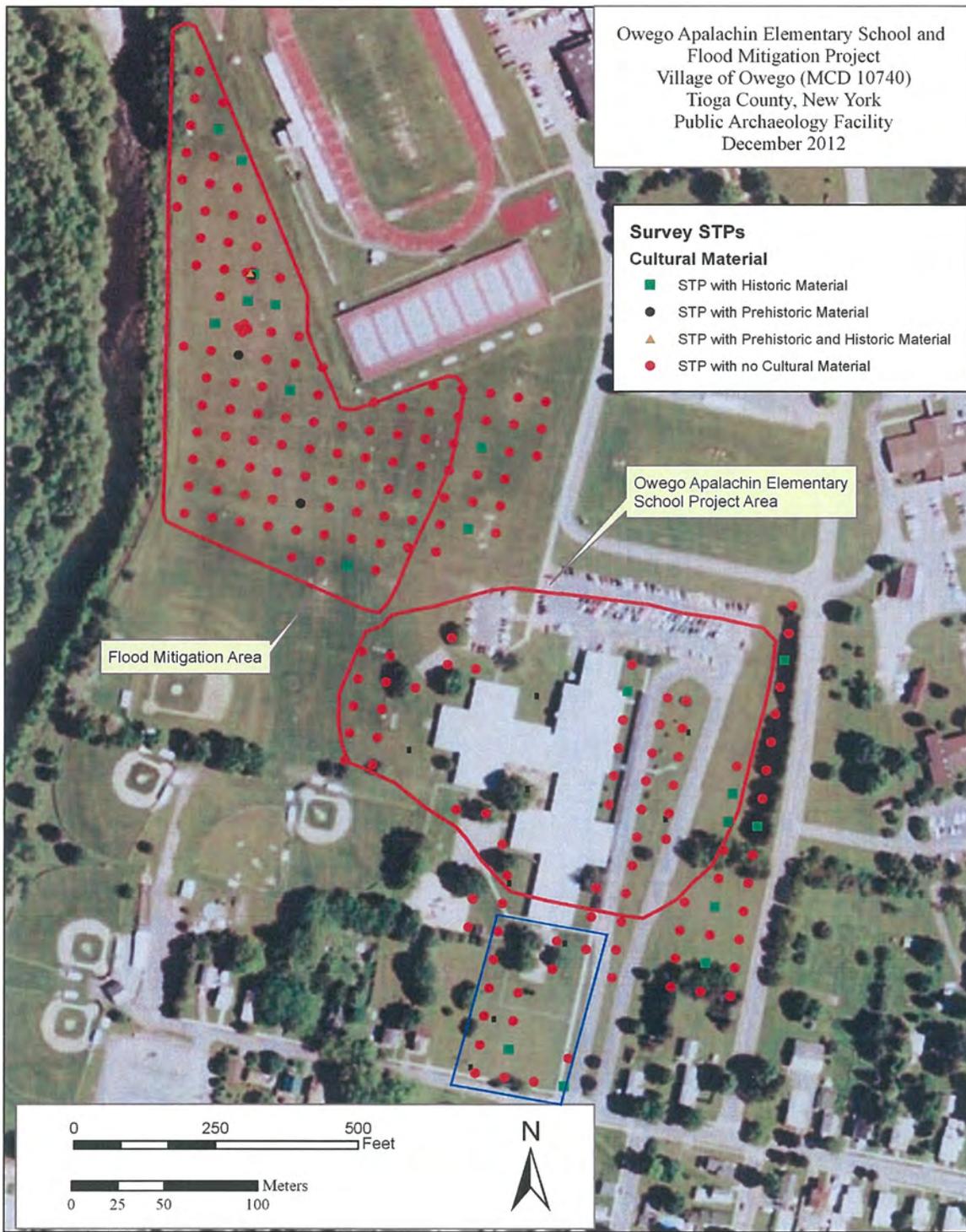


Figure showing proposed staging area (in blue) and the shovel test pits (red) and backhoe trenches (green) excavated during Phase 1 testing.

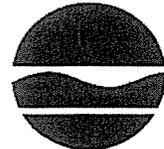
New York State Department of Environmental Conservation

Division of Environmental Permits, Region 7

615 Erie Boulevard West, Syracuse, New York 13204-2400

Phone: (315) 426-7438 • Fax: (315) 426-7425

Website: www.dec.ny.gov



Joe Martens
Commissioner

18 October 2012

Mike Merriman, Project Manager
Ecologic Analysis LLC
633 Route 211 East, Suite 4, Box 4
Middletown, New York 10941

Dear Mike:

Re: Jurisdictional Determination Request
Owego School Reconstruction
Union (T), Tioga County

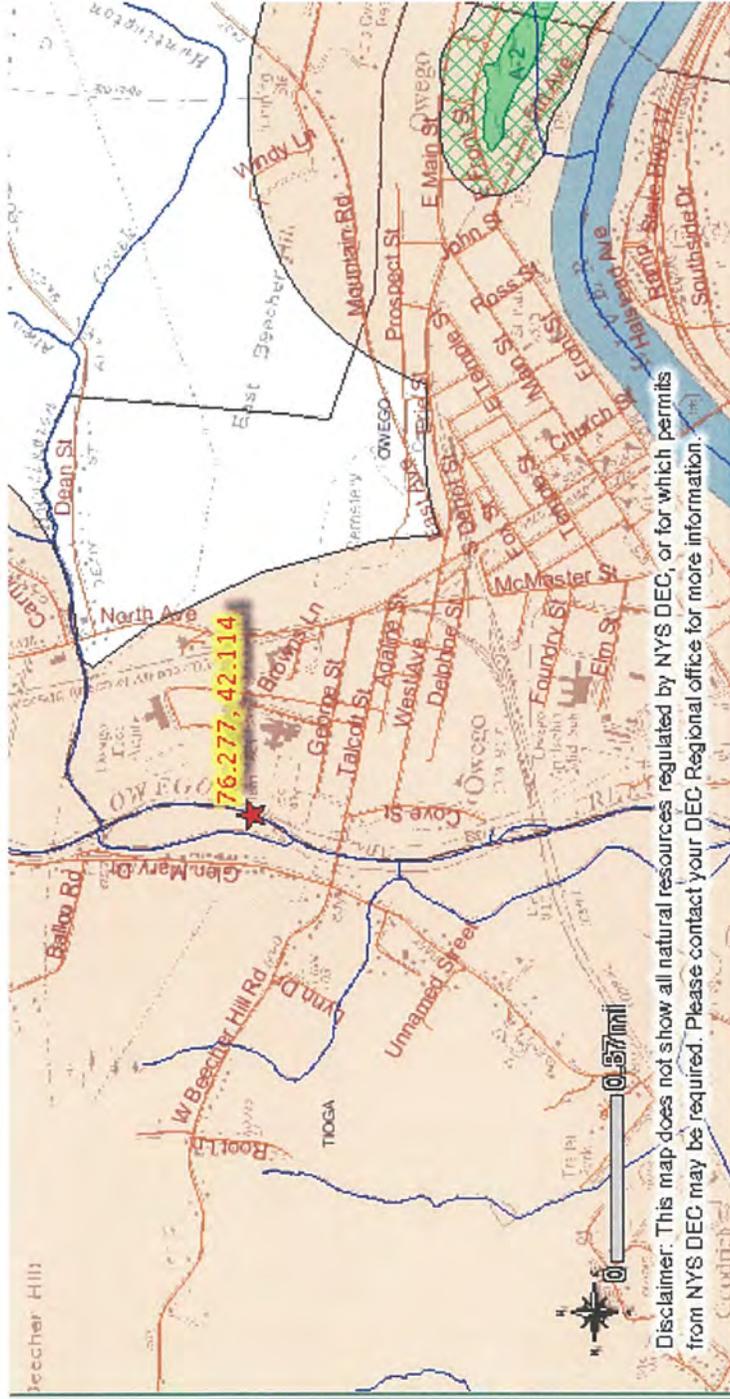
I have had an opportunity to review the information you forwarded regarding this proposal. I offer the following comments:

1. A Stormwater SPDES General Permit for Stormwater Discharges Associated with Construction Activities (GP-0-10-001) will likely be required for this project. Please contact Ellen Hahn, our Regional Stormwater Control Specialist at 315-426-7504 if you have any questions regarding stormwater permitting.
2. Oswego Creek is a Class C(T) tributary and an Article 15 permit may be needed for any work proposed on the bed or banks of the stream.
3. This location is considered a sensitive archaeological area and archaeological surveys may be required unless the applicant can demonstrate significant ground disturbance in areas proposed for development.
4. Although there are no known NYS-regulated wetlands on this site, our GIS maps suggest the presence of US ACE-regulated riverine wetlands associated with Owego Creek. You may want to discuss this issue with Corps District Office in Buffalo. Please let me know if you need contact information.
5. Our GIS data also indicated the proximity of the Spatterdock Darner (*Rhionaeschna mutata*), an imperiled species (dragonflies & damselflies), located in a small pond to the southwest across Oswego Creek. Also noted is the occurrence of Brook Floater (*Alasmidonta varicosa*), a threatened freshwater mussel, in Catatonk Creek (north of the project). Although there is no record of those species within the project limits, please ensure that any activity you propose, that may threaten similar habitat in the vicinity of the project, is addressed in your environmental review.

Please contact me at 315-426-7440 or email at dlbimber@gw.dec.state.ny.us if you have any questions relating to this project or the information discussed in this letter. Thank you for your time and assistance in this matter.

Sincerely,

David L. Bimber
Regional Permit Administrator
Division of Environmental Permits



Disclaimer: This map does not show all natural resources regulated by NYS DEC, or for which permits from NYS DEC may be required. Please contact your DEC Regional office for more information.

MinX: 392410, MaxX: 397266, MinY: 4664026, MaxY: 4661965

Disclaimer: This map was prepared by the New York State Department of Environmental Conservation using the most current data available. It is deemed accurate but is not guaranteed. NYS DEC is not responsible for any inaccuracies in the data and does not necessarily endorse any interpretations or products derived from the data.

[print page] [close window]

The Coordinates of the point you clicked on are:

NYTM	E : 394427	Longitude/Latitude	W : 76.277
	N : 4663248		N : 42.114

Classified Streams

Regulation	Standard	Classification
931-46	C(T)	C

Rare Plants and Rare Animals

This location is in the vicinity of one or more :
Rare Animals

USGS Quadrangle

USGS Quadrangle Name
OWEGO

If your project or action is within or near an area with a rare animal, a permit may be required if the species is listed as endangered or threatened and the department determines the action may be harmful to the species or its habitat.

If your project or action is within or near an area with rare plants and/or significant natural communities, the environmental impacts may need to be addressed.

The presence of a unique geological feature or landform near a project, unto itself, does not trigger a requirement for a NYS DEC permit. Readers are advised, however, that there is the chance that a unique feature may also show in another data layer (ie. a wetland) and thus be subject to permit jurisdiction.

Please refer to the "Need a Permit?" tab for permit information or other authorizations regarding these natural resources.

Disclaimer: If you are considering a project or action in, or near, a wetland or a stream, a NYS DEC permit may be required. The Environmental Resources Mapper does not show all natural resources which are regulated by NYS DEC, and for which permits from NYS DEC are required. For example, Regulated Tidal Wetlands, and Wild, Scenic, and Recreational Rivers, are currently not included on the maps.



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

Andrew M. Cuomo
Governor

Rose Harvey
Commissioner

December 21, 2012

Richard Lord
Chief of Mitigation Programs & APO
NYS Div. Homeland Security &
Emergency Services/NYS OEM
1220 Washington Avenue
Albany, NY 12226-2251
(via e-mail only)

Re: FEMA
Apalachin Elementary School (demolition)
1 Christa McAuliffe Lane/OWEGO, Tioga
County
12PR05046

Dear Mr. Marcinkevich:

Thank you for requesting the comments of the State Historic Preservation Office (SHPO). We have reviewed the project in accordance with Section 106 of the National Historic Preservation Act of 1966. These comments are those of the SHPO and relate only to Historic/Cultural resources. They do not include potential environmental impacts to New York State Parkland that may be involved in or near your project. Such impacts must be considered as part of the environmental review of the project pursuant to the National Environmental Policy Act and/or the State Environmental Quality Review Act (New York Environmental Conservation Law Article 8).

Based upon this review, it is the SHPO's opinion that your project will have No Effect upon cultural resources in or eligible for inclusion in the National Registers of Historic Places.

If further correspondence is required regarding this project, please be sure to refer to the OPRHP Project Review (PR) number noted above.

Sincerely,

Daniel A. Bagrow
Historic Preservation Specialist

cc: Mary Nuestadter, FEMA *(via e-mail)*
Donna Bolognino, FEMA *(via e-mail)*



New York State Office of Parks,
Recreation and Historic Preservation

Division for Historic Preservation
P.O. Box 189, Waterford, New York 12188-0189
518-237-8643

May 07, 2013

Andrew M. Cuomo
Governor

Rose Harvey
Commissioner

Donna Bolognino
FEMA
Leo O'Brien Building
11A Clinton Ave STE 742
Albany, New York 12207

Re: FEMA
Apalachin Elementary School (demolition)
1 Christa McAuliffe Lane/OWEGO, Tioga
County
12PR05046

Dear Ms. Bolognino:

The State Historic Preservation Office (SHPO) has reviewed the Phase 2 Archaeological Survey (*Phase 2 Site Examination, Owego Elementary School Prehistoric Site (SUBi-3024) Flood Mitigation Area Owego Apalachin Elementary School Project*; Public Archaeology Facility, 1-17-2013). SHPO has determined that the proposed project would have an **adverse effect** on the Owego Elementary School Prehistoric Site which is eligible for listing on the National Register of Historic Places. SHPO concurs with the recommendation for avoidance of the site or, if that is not possible, the development of a Data Recovery Plan to mitigate the adverse effects.

A Data Recovery Plan has been submitted and SHPO concurs with the proposed testing strategy.

If you have any questions or concerns I can be reached at dan.bagrow@parks.ny.gov or 518-237-8643 x3254.

Sincerely,

Daniel A. Bagrow
Historic Preservation Specialist



FEMA

March 27, 2013

Anthony Gonyea, Faithkeeper
Onondaga Nation
RR #1, Route 11A
Box 319B
Nedrow, NY 13120

Re: Federal Emergency Management Agency
Section 106 Consultation
Owego Elementary School
1 Christa McAuliffe Ln.
Owego (Town of), Tioga County, NY 13827
FEMA-4020-DR-NY, Projects # PA-02-NY-4031-02002

Dear Mr. Gonyea:

The Federal Emergency Management Agency (FEMA) proposes to provide grant funding to the Owego Apalachin School District, for construction of new facilities at 1 Christa McAuliffe Lane, Town of Owego, Tioga County, New York 13827. This project will require ground disturbance in an archaeological sensitive area. In accordance with Section 106 of the National Historic Preservation Act of 1966, as amended (16 U.S.C. 470f), and its implementing regulation, 36 CFR 800, and as authorized by the Department of Homeland Security – Federal Emergency Management Agency, we are initiating consultation with your Tribe, Onondaga Nation, regarding the proposed construction of the new facilities for the Owego Elementary School.

The Owego Elementary School is located at 1 Christa McAuliffe Lane. During the incident period between September 7, 2011 and September 11, 2011 the School was flooded with approximately 18 inches of water as a result of rains associated with Tropical Storm Lee, which caused the nearby Oswego Creek and Monkey Run Creek to overflow their banks. The damage to the structure was so extensive that replacement of the building has been determined to be more cost-effective than in-kind repairs of its elements. After consideration of possible locations, it was determined that rebuilding on site was the most feasible alternative. Reconstruction of the school on the existing site requires compliance with the local floodplain law, which requires elevation.

Area of Potential Effect:

The project is located at 1 Christa McAuliffe Lane in the Town of Owego. The area of potential effect (APE) includes two areas: the footprint for the new school (3.1 ha) (7.7 ac); and the flood mitigation area (2.5 ha) (6.2 ac) (Figure 1).

Description of Undertaking:

The Owego Elementary School was severely impacted by the 2011 flood. The Owego Apalachin Central School District has proposed demolition of the existing elementary school and its replacement with new construction on approximately the same location. The construction option considered as the most feasible is to build the school entirely on raised fill. This option involves two distinct areas: 1) the immediate area around the proposed elementary school building; 2) as well as a large flood mitigation area to the northwest of the current structure. Plans include the removal of 60 cm (2 ft.) of existing topsoil in the immediate area of the proposed elementary school. Additionally, a construction trench at least 3.4 m (11 ft.) wide and centered on the perimeter of the new school will be excavated to a depth of 1.8 m (6 ft.) below the current grade. Therefore, the vertical impacts in the area of the proposed school will be largely confined to the first 60 cm (2 ft.). The proposed school area encompasses approximately 3.1 ha (7.7 ac). For the flood mitigation area, to the northwest of the existing school, a large area of the current floodplain will be lowered to 812 ft. asl, which will require removal of 60-122 cm (2-4 ft.) of soil. The flood mitigation area encompasses approximately 2.5 ha (6.2 ac) (Figure 2).

Archaeological potential

FEMA initial evaluation determined that the 100 acre school campus is located within an Archaeological Sensitive Area as mapped by the NYSHPO, particularly for Native American sites. Three prehistoric sites (Huntington Creek, Owego Creek and Owego Free Academy) are located to the north of the school grounds. There are an additional four prehistoric sites, one site with both prehistoric and historic components, and one historic period site within 0.5 mile of the APE.

Although the 100 acre school campus has witnessed some disturbance from building construction, utility installation, and other earth-moving activities, due to the fact that the proposed redevelopment could entail ground disturbance in potentially undisturbed areas it was required that a Phase 1 (1A and 1B) archeological survey be conducted for the entire APE with the exception of obviously disturbed areas and ground beneath the existing structure. The Applicant was responsible for submitting the Phase 1 archeological report to the NYSOPRHP along with plans for additional archeological investigations if warranted based on the results of the Phase 1 study.

The applicant retained a cultural resources consultant to conduct a Phase I Cultural Resources Survey in December 2012. A total of 123 shovel tests were excavated at 15 m interval; and 8 backhoe trenches excavated to verify the filled areas (Figure 2). Within the new elementary school parcel no archaeological sites were identified, so no further work was recommended. However, a small cluster of artifacts was identified within the flood mitigation area. If site avoidance was not possible, a Phase II Site Examination was recommended consisting of close-interval shovel test and 2-4 excavation units. The proposed project staging area, located between the current school and George Street, was also tested during the Phase I survey, and no archaeological sites were identified.

The Phase II Site Examination in the flood mitigation area was conducted in January 2013. It discovered a buried cultural layer in excavation unit 3, at a depth 36 to 71 cm below surface (B1 horizon), sealed underneath a fill layer and the Ap horizon (plowed zone), with good integrity

and no evidence of disturbance (Figures 3 and 4). This small site of less than 8x11 meters is considered a single task field camp; and designated as Owego Elementary School Prehistoric Site (SUBi-3024). The artifact assemblage consists exclusively of chipped stone artifacts made of Onondaga chert, with a single diagnostic point, Brewerton-like, suggesting the site dates to the Late Archaic Period. Of a total of 198 prehistoric artifacts, 191 were recovered from unit 3; and 99% of the artifacts are debitage. The site has sufficient research potential to be eligible to the NRHP. Research topics that can be address with these data include: chronology, subsistence and seasonality, site function, and lithic reduction strategies. The site is located in area of the proposed floodplain mitigation drainage, with potential to impact the prehistoric site. Therefore, a Phase III Data Recovery Plan (DRP) was presented by the cultural resources consultant.

FEMA has received complete copies of all the original documentation, is reviewing the entire work product, and is taking over the Section 106 consultation with both SHPO and THPO. FEMA will draft a Memorandum of Agreement for the recovery of the significant archaeological information. Enclosed are copies of the Phase I and Phase II reports and the recommendations for a Phase III Data Recovery Plan (DRP).

If you are aware of any significant prehistoric/historic archaeological resources that may be affected by this project, or have any information regarding the project area, please respond within 30 days or sooner of date of this letter. Please also indicate in your correspondence if there are other sources of information that should be checked, and if there are other parties, tribes, or members of the public you believe should be included in the consultation process. Please respond in writing or email to us (to either the email addresses listed below). FEMA's Region II mailing address is:

Dr. Kelly M. Britt
U.S. Department of Homeland Security/FEMA
26 Federal Plaza, 13th Floor
New York, NY 10278-0002

It is requested that the enclosed information be regarded as secure information and not be released to any external parties without prior consultation with FEMA. We look forward to your comments within (30) days of date of this letter. If you have any questions please contact me at 917-587-3866 or via email at Kelly.Britt@fema.dhs.gov, or Marisol J. Meléndez-Maíz, archaeologist who is working directly on this project at 787-296-3551 or via email at Marisol.Melendezmaiz@fema.dhs.gov.

Sincerely,

A handwritten signature in black ink, appearing to read 'Kelly Britt', with a large loop at the end.

Dr. Kelly Britt
Archaeologist
FEMA, Region II

Encl. Location, APE, and Excavation Maps
Phase I and Phase II reports; Phase III DRP on CD

CC Joe Heath and Thane Joyal-Attorneys at Law
KB/mmm

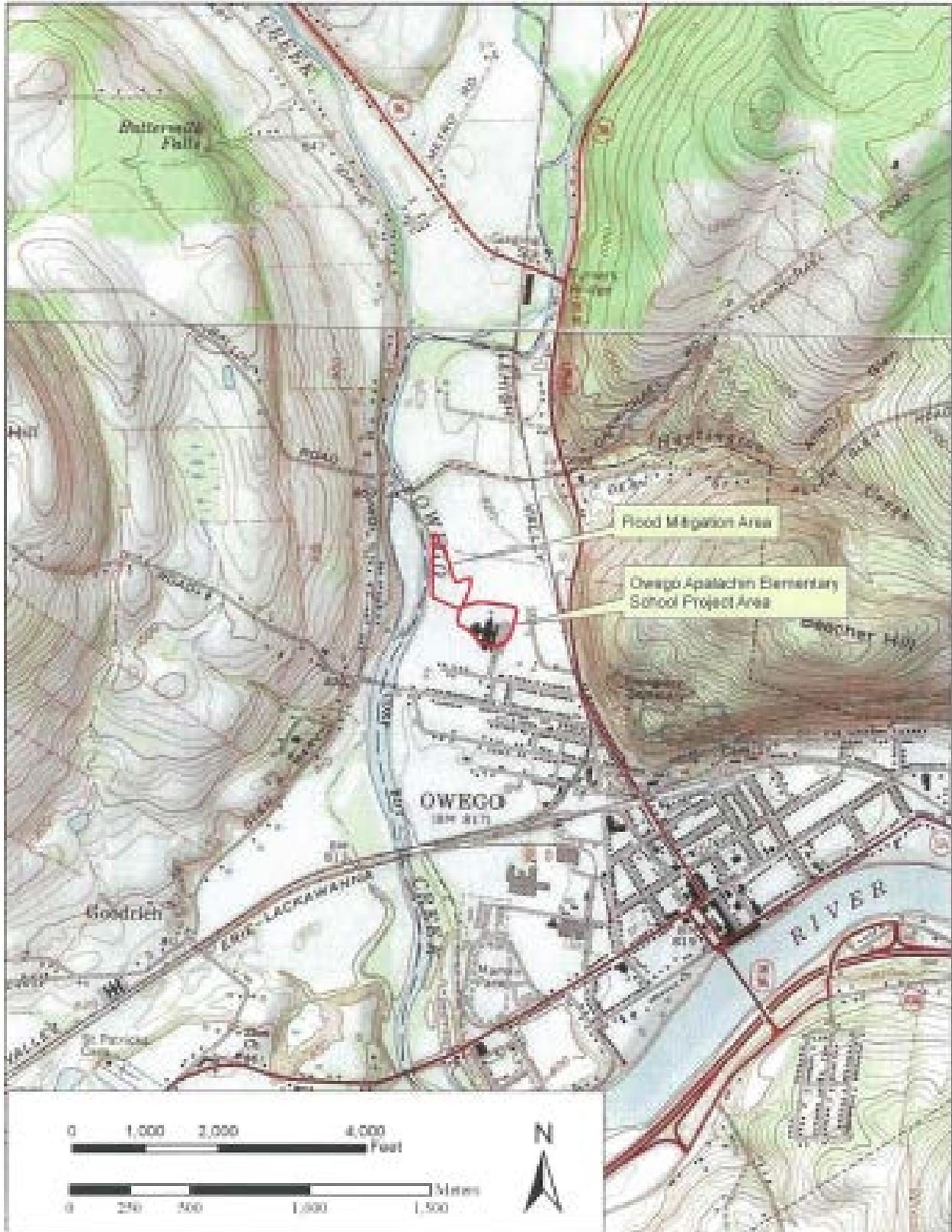


Figure 1. Area of potential effects (APE): footprint for the new school and flood mitigation area.

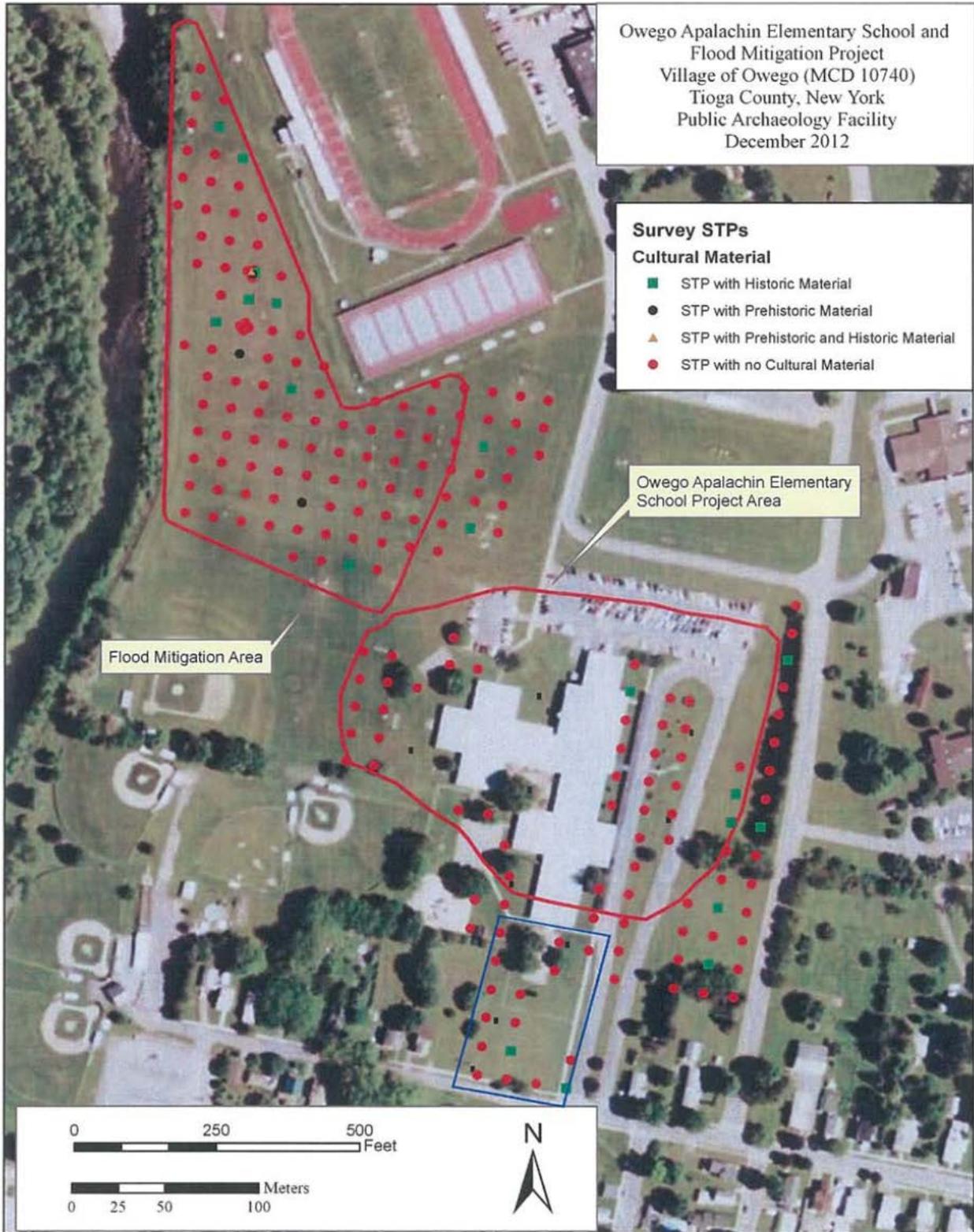


Figure 2. Results of the Phase I Cultural Resources Survey. Source: Public Archaeology Facility.

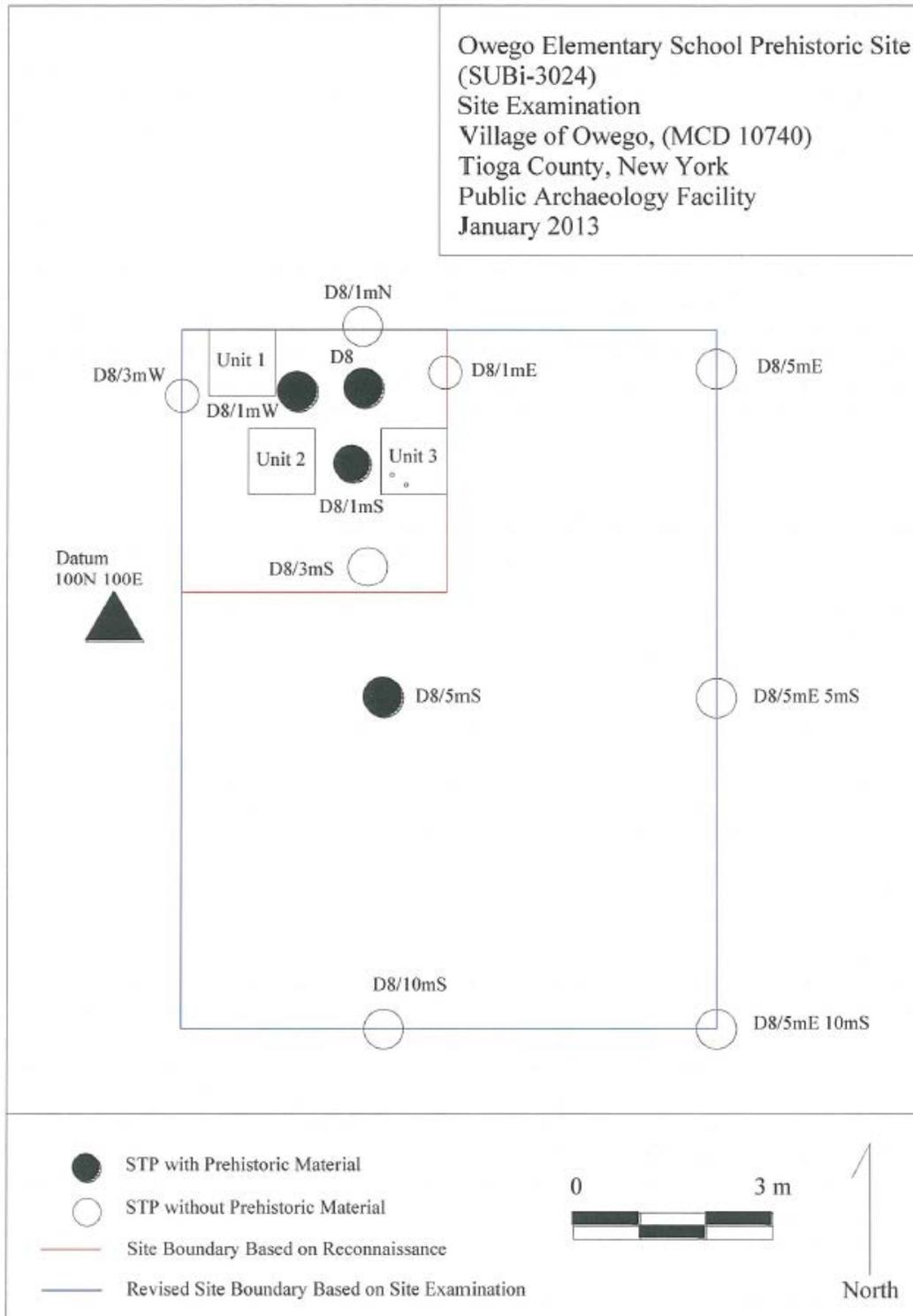


Figure 3. Phase II Site Examination, testing results. Source: Public Archaeology Facility.

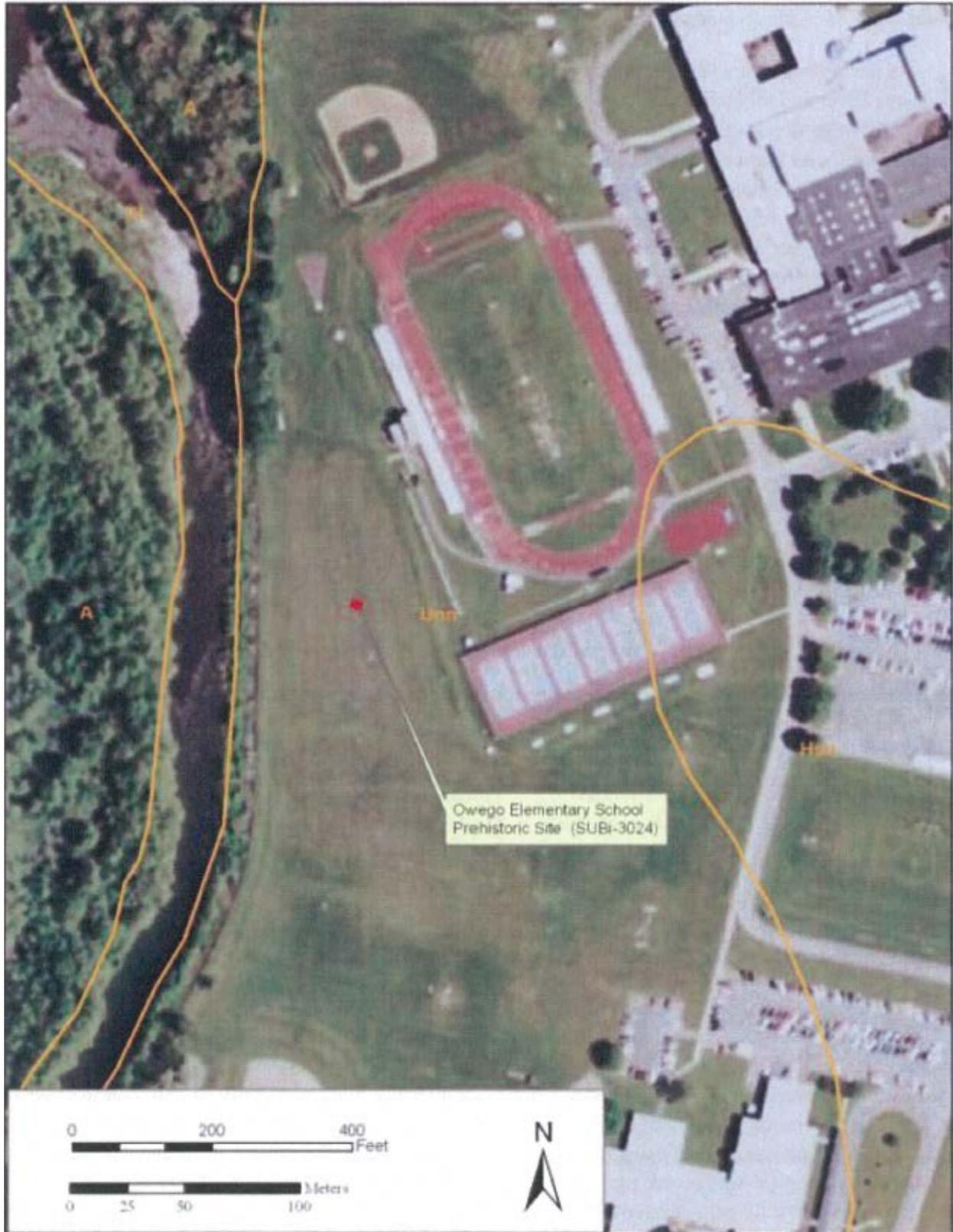


Figure 4. Location of the prehistoric site. Source: Public Archaeology Facility.

From: [Thane Joyal](#)
To: [Britt, Kelly](#)
Cc: [Bolognino, Donna](#); ononationhispres@aol.com; [Joe Heath, Esq](#)
Subject: FEMA-4020-DR-NY, Projects # PA-02-NY-4031-02002
Date: Friday, April 26, 2013 3:20:42 PM
Attachments: [Haudenosaunee Human Remains Protocol.pdf](#)
[Haudenosaunee Policy on Human Remains.pdf](#)

Dear Kelly Britt,

Tony Gonyea asked me to write to you to follow up on your letter to him and to Joseph Heath regarding the above-referenced project at the Owego Elementary School. Because of the extreme archeological sensitivity of the site, Tony would like to monitor the Phase III archeological work. I've included as a reference for you the Haudenosaunee Policy and Protocol documents regarding Human Remains. Tony asks that those documents be followed in the event of any inadvertent discovery of human remains during work at the site.

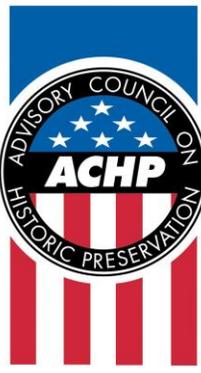
I'd suggest a conference call next week including both you, Tony and the Public Archeology Facility might be the most efficient way to work out the details of the monitoring. If you could suggest a couple of options I will work with Tony to confirm a date and time for that call.

Please let me know if there are any questions or need for additional follow up at this point. Thank you for your assistance.

Sincerely,
-Thane Joyal

--
Thane Joyal, Esq.
512 Jamesville Avenue
Syracuse, NY 13210

Office: (315)475-2559
Cell: (315)380-4522
Fax: (315)475-2465



Preserving America's Heritage

May 15, 2013

Megan Jadrosich, PMP, CFM
Regional Environmental Officer
Federal Emergency Management Agency – Region II
26 Federal Plaza, Room 1337
New York, NY 10278

Ref: *Proposed Replacement of Owego Elementary School
Town of Owego, Tioga County, New York
FEMA-4031-DR-NY*

Dear Ms. Jadrosich:

The Advisory Council on Historic Preservation (ACHP) has received your notification and supporting documentation regarding the adverse effects of the referenced undertaking on a property or properties listed or eligible for listing in the National Register of Historic Places. Based upon the information provided, we have concluded that Appendix A, *Criteria for Council Involvement in Reviewing Individual Section 106 Cases*, of our regulations, “Protection of Historic Properties” (36 CFR Part 800), does not apply to this undertaking. Accordingly, we do not believe that our participation in the consultation to resolve adverse effects is needed. However, if we receive a request for participation from the State Historic Preservation Officer (SHPO), Tribal Historic Preservation Officer, affected Indian tribe, a consulting party, or other party, we may reconsider this decision. Additionally, should circumstances change, and it is determined that our participation is needed to conclude the consultation process, please notify us.

Pursuant to 36 CFR §800.6(b)(1)(iv), you will need to file the final Memorandum of Agreement (MOA), developed in consultation with the New York State Historic Preservation Office (SHPO), and any other consulting parties, and related documentation with the ACHP at the conclusion of the consultation process. The filing of the MOA, and supporting documentation with the ACHP is required in order to complete the requirements of Section 106 of the National Historic Preservation Act.

Thank you for providing us with the notification of adverse effect. If you have any questions or require further assistance, please contact Ms. Jaime Loichinger at 202-606-8529 or at jloichinger@achp.gov.

Sincerely,

LaShavio Johnson
Historic Preservation Technician
Office of Federal Agency Programs

ADVISORY COUNCIL ON HISTORIC PRESERVATION

1100 Pennsylvania Avenue NW, Suite 803 • Washington, DC 20004
Phone: 202-606-8503 • Fax: 202-606-8647 • achp@achp.gov • www.achp.gov

Owego School

Oct 15, 2012

Wetlands

- Freshwater Emergent
- Freshwater Forested/Shrub
- Estuarine and Marine Deepwater
- Estuarine and Marine
- Freshwater Pond
- Lake
- Riverine
- Other

Riparian

- Herbaceous
- Forested/Shrub

U.S. Fish and Wildlife Service National Wetlands Inventory



This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

User Remarks:

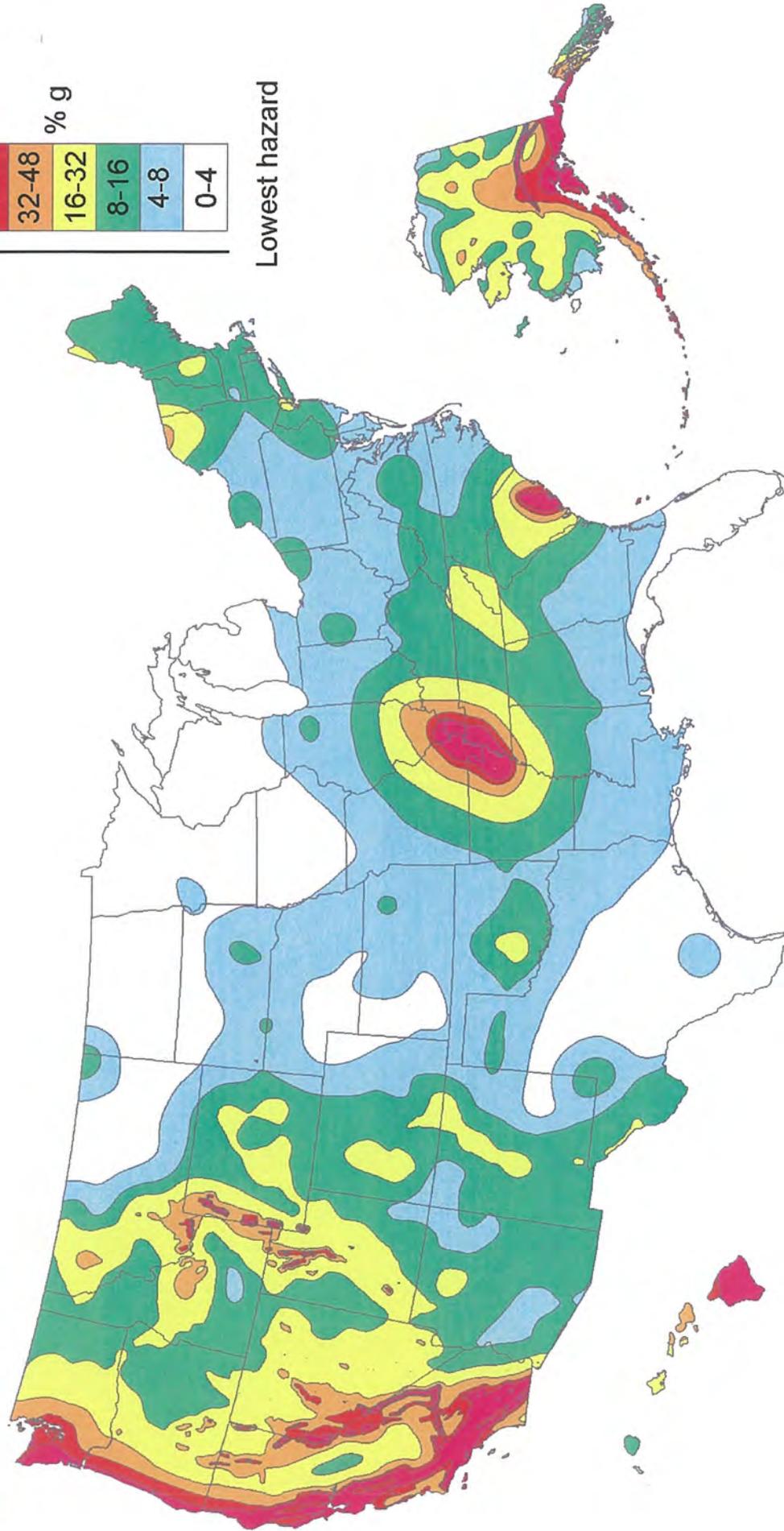


Highest hazard



% g

Lowest hazard





633 Rt. 211 East, Suite 4, Box 4
Middletown, NY 10941
Office: (845) 495-0123 • Fax: (866) 688-0836

October 11, 2012

Ms. Jean Pietrusiak
NYS Natural Heritage Program
Information Services
625 Broadway, 5th Floor
Albany, New York 12233-4757

Re: Jurisdictional Determination Request;
Owego School Reconstruction
Town of Union, Tioga County

Dear Ms. Pietrusiak:

We have been retained to perform a wildlife habitat assessment at the above project site for the preparation of permit applications and SEQRA documentation.

We are requesting any information in regards to state-listed threatened and/or endangered species or ecologically significant communities in or adjacent to the referenced property.

Enclosed is the location map on a USGS 1:24,000 Quadrangle. The property extends from George Street in the south, to Huntington Creek in the north, and from NYS Rt. 96 in the east, to Owego Creek in the west, in the Town of Union, Tioga County.

If you have any questions, please email me at mmerriman@ecological.com or call me at (845) 495-0123. Thanks for your help.

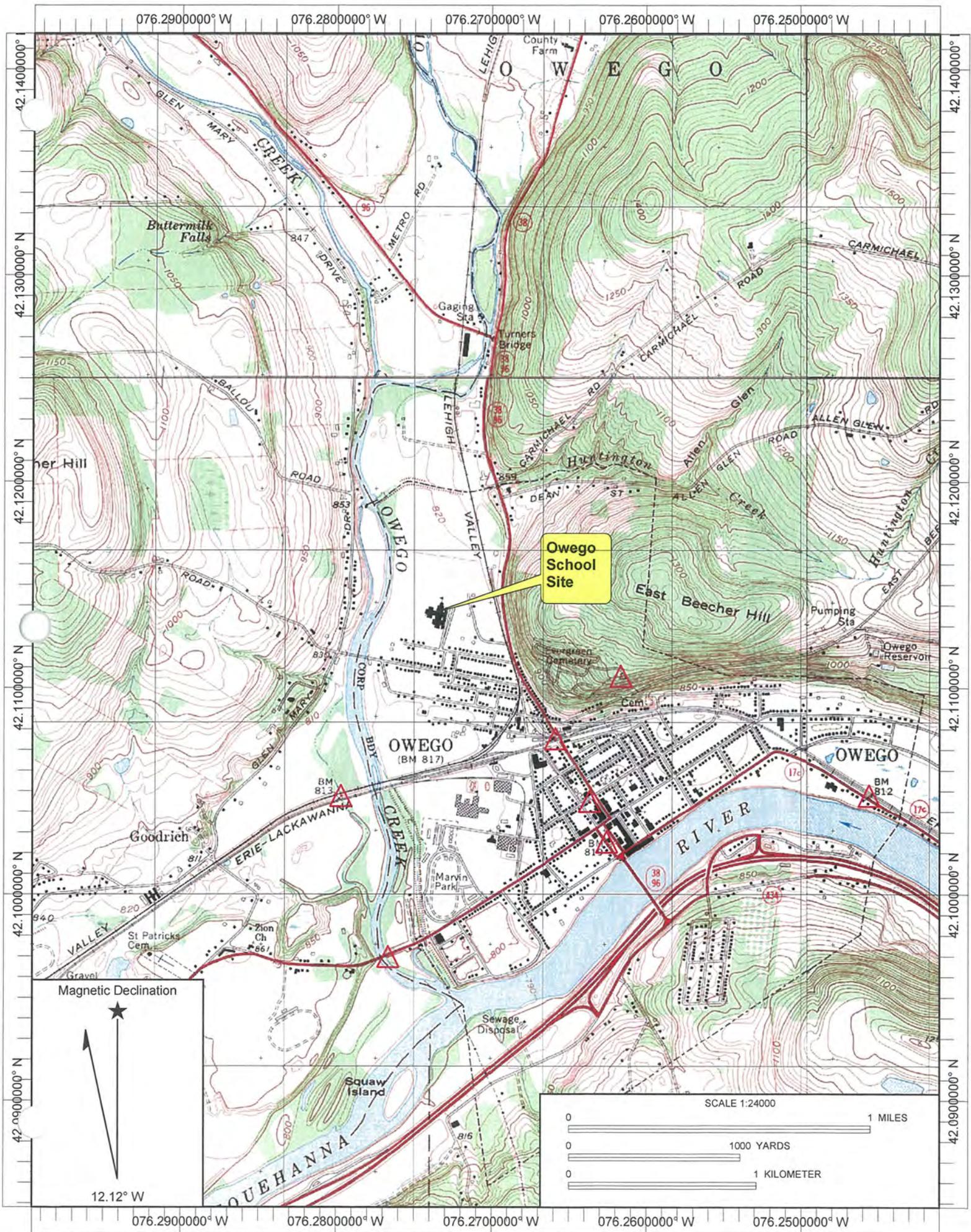
Respectfully,

Mike Merriman

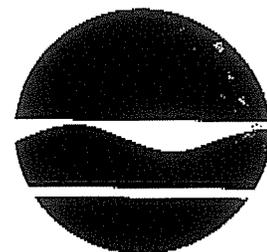
Mike Merriman
Project Manager/Permitting Specialist
Ecological Analysis, LLC

(Emailed letter and PDF map)

PDF Attachments: USGS Quadrangle Location Map
ECC: J. Bates



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.ny.gov



Joe Martens
Commissioner

October 22, 2012

Mike Merriman
Ecological Analysis
633 Rte 211 East, Suite 4
Middletown, NY 10941

Dear Mr. Merriman:

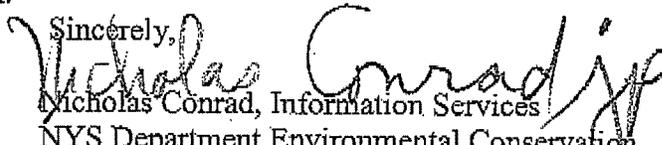
In response to your recent request, we have reviewed the New York Natural Heritage Program database with respect to an Environmental Assessment for the proposed Owego School Reconstruction, site as indicated on the map you sent, located in the Town of Owego Tioga County.

Enclosed is a report of rare or state-listed animals and plants, and significant natural communities, which our database indicates occur, or may occur, on your site or in the immediate vicinity of your site. 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 as to 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.

The enclosed report may be included in documents that will be available to the public. However, any enclosed maps displaying locations of rare species are considered sensitive information, and are intended only for the internal use of the recipient; they should not be included in any document that will be made available to the public, without permission from the New York Natural Heritage Program.

The presence of the plants and animals identified in the enclosed report may result in this project requiring additional review or permit conditions. 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, as listed at www.dec.ny.gov/about/39381.html.

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,

Nicholas Conrad, Information Services
NYS Department Environmental Conservation
997

Enc.
cc: Reg. 7, Wildlife Mgr.



**The following rare plants, rare animals, and significant natural communities
have been documented at your project site, or in its vicinity.**

We recommend that potential onsite and offsite impacts of the proposed project on these species or communities be addressed as part of any environmental assessment or review conducted as part of the planning, permitting and approval process, such as reviews conducted under SEQR. Field surveys of the project site may be necessary to determine the status of a species at the site, particularly for sites that are currently undeveloped and may still contain suitable habitat. Final requirements of the project to avoid, minimize, or mitigate potential impacts are determined by the lead permitting agency or the government body approving the project.

The following animals, while not listed by New York State as Endangered or Threatened, are of conservation concern to the state, and are considered rare by the New York Natural Heritage Program.

<i>COMMON NAME</i>	<i>SCIENTIFIC NAME</i>	<i>NY STATE LISTING</i>	<i>HERITAGE CONSERVATION STATUS</i>
Dragonflies and Damselflies			
Spatterdock Darner	<i>Rhionaeschna mutata</i>	Unlisted	Imperiled in NYS

Owego:

4362

This report only includes records from the NY Natural Heritage databases. For most sites, comprehensive field surveys have not been conducted, and we cannot provide a definitive statement as to the presence or absence of all rare or state-listed species. This information should not be substituted for on-site surveys that may be required for environmental impact assessment.

If any rare plants or animals are documented during site visits, we request that information on the observations be provided to the New York Natural Heritage Program so that we may update our database.

Information about many of the rare animals and plants in New York, including habitat, biology, identification, conservation, and management, are available online in Natural Heritage's Conservation Guides at www.guides.nynhp.org, from NatureServe Explorer at <http://www.natureserve.org/explorer>, and from USDA's Plants Database at <http://plants.usda.gov/index.html> (for plants).

Information about many of the natural community types in New York, including identification, dominant and characteristic vegetation, distribution, conservation, and management, is available online in Natural Heritage's Conservation Guides at www.guides.nynhp.org. For descriptions of all community types, go to <http://www.dec.ny.gov/animals/29384.html> and click on Draft Ecological Communities of New York State.