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PRE-PHASE IA ARCHEOLOGICAL SCREENING

Champlain Hudson Power Express

Lake Champlain to Long Island Sound
Multiple Counties
New York and Connecticut

HAA # 4268-01

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OPRHP PROJECT REVIEW NUMBER

n/a

INVOLVED STATE OR FEDERAL AGENCY

Numerous state agencies in New York and Connecticut and federal agencies including the U.S. Army Corps of Engineers and the U.S. Department of Energy

LOCATION INFORMATION

Location: United States/Canada Border, Lake Champlain to Bridgeport, Connecticut
New York: Clinton, Essex, Warren, Washington, Saratoga, Rensselaer, Albany, Columbia, Greene, Dutchess, Ulster, Putnam, Orange, Westchester, Rockland, Bronx, New York, and Nassau Counties
Connecticut: City of Bridgeport, Fairfield County and Long Island Sound.

SURVEY AREA

Length: Approximately 385 miles (619.6 km)
Width: The research corridor varies from 1000 feet (305 m) wide on the overland route to 2000 feet (610 m) wide in Lake Champlain, within 100 feet (31 m) of both sides of the Champlain Canal, and most of the Hudson River and its immediate shoreline. It is about 2000 feet (610 m) wide along most of the search corridor.
Depth: Varies
Acres Surveyed: approximately 93,333 acres (37,772 ha)

AREA OF POTENTIAL EFFECTS (APE):

Not yet determined. The Project's precise final route is subject to a number of factors, including resource issues, permitting, land acquisition, and stakeholder agreement. The APE for this undertaking will be determined in consultation with the SHPO pursuant to the requirements of 36 CFR § 800.4(a).

RESULTS OF RESEARCH

Terrestrial archeological sites within search corridor: 529
Previous Cultural Resource Surveys within search corridor: 145
Underwater Cultural Resources (confirmed and potential) within search corridor: 626
NR/NRE sites/properties within search corridor: 451

RECOMMENDATIONS

To the extent practicable, the proposed route of the Champlain-Hudson Power Express Project (Project) will avoid the locations of reported cultural resources in the Project corridor. However, there will be instances where the Project may intersect with the location of known or reported archeological sites. Since not all of the sites identified in the search corridor are considered significant resources, some consideration of the exact site information should be taken into account in areas where route planning faces numerous complications. A Phase IA Literature Search and Sensitivity Assessment should be completed for the Project's entire alignment. For underwater portions of the Project's alignment, additional geophysical investigations should be developed to locate all potential archaeological sites (e.g., shipwrecks) that may be potentially affected by Project construction or operation. Additional subsurface investigations may be necessary to identify archaeological deposits along overland sections of the Project's route. As possible, the cable should be routed to avoid sites identified through these studies. If the cables are required to intersect known resources, evaluation and mitigation procedures should be developed and implemented.

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Date of Report: April 2010

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Region	Terrestrial Archeological Sites	Previous Cultural Resource Surveys	Underwater Archeological Sites	NRL/NRE Properties
Overview (Maps 1-2)	-	-	-	-
Lake Champlain	1a-23a	1b-23b	1c-23c	1d-23d
Champlain Canal	24a-29a	24b-29b	24c-29c	24d-29d
Overland Route	29a-44a	29b-44b	29c-44c	29d-44d
Hudson River	44a-70a	44b-70b	44c-70c	44d-70d
Harlem and East Rivers & Spuyten Duyvil Creek	70a-73a	70b-73b	70c-73c	70d-73d
Long Island Sound	73a-85a	73b-85b	73c-85c	73d-85d
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PROJECT INFORMATION

Champlain Hudson Power Express, Inc. (CHPEI) proposes to develop the 2,000 megawatt (MW) Champlain Hudson Power Express Project (Project) to connect renewable sources of power generation in central and eastern Canada and upstate New York with load centers in and around the New York City and southwestern Connecticut regions. To the extent possible, CHPEI proposes to bury the transmission cables along existing waterways to minimize overland routes. CHPEI believes that this innovative approach will minimize the visual and landscape impacts associated with traditional overhead transmission lines, while simultaneously providing the additional capacity required to meet the increasing clean energy demands of the greater New York City metropolitan area and the State of Connecticut.

The proposed Project comprises two 1,000-MW underwater/underground high-voltage direct current (HVDC) bipoles. Each of these two bipoles includes two submarine or underground cables connected as a bipole pair. In total, four cables will be laid between Quebec and a converter station in Yonkers, New York, where two cables will be terminated. The remaining two cables will continue to an HVDC converter station in Bridgeport, Connecticut. Approximately 385 miles (619.6 km) of proposed transmission cables will be located within in the United States. CHPEI will not own or operate the Canadian portion of the transmission cables; thus, this pre-screening survey does not include the Canadian section of the proposed route.

Project Location

The Project will originate at an HVDC converter station near Hydro-Québec TransÉnergie's ±300-kilovolt (kV) Hertel substation, south of Montreal. From the substation, the transmission cables will traverse an overland route for a distance of approximately 13 miles (20.9 km) to the Richelieu River. Underwater transmission cables will follow the Richelieu River for about 22 miles (35.4 km) south to the international border between the United States and Canada.

The transmission cables will continue south from the international boundary underwater through Lake Champlain to the northern entrance of the Champlain Canal near Whitehall, New York. The submerged cables will continue through the Champlain Canal section of the modern Barge Canal to a point just north of Fort Edward. To the extent practicable, the submerged cables will continue within the bed of the Champlain Canal to Fort Edward, where the canal joins the Hudson River. An overland bypass will be necessary to circumvent Lock C12 at Whitehall and Lock C11 Fort Ann. These bypass sections will have a combined length of approximately 2.1 miles (3.4 km) and will utilize an existing railroad right-of-way. Just north of Lock C9, the HVDC cables will exit the Champlain Canal and will be buried for 0.45 miles (0.7 km) within New York State Canal Corporation (NYSCC)-owned land on the eastern shore of Lock C9. The HVDC cables re-enter the canal just south of Lock C9 and continue through (buried) the canal for 2.7 miles (4.3 km) towards Lock C8.

An overland bypass will be necessary south of the Champlain Canal and Hudson River confluence to avoid activities associated with the Hudson River Polychlorinated Biphenyls (PCBs) Dredging Project in the Upper Hudson River. The transmission cables will exit the Champlain Canal north of Lock C8 near Durham Basin, where an existing railroad right-of-way is located immediately adjacent to the canal. From Durham Basin, the cables will be buried within an existing railroad right-of-way for a distance of approximately 69.9 miles (101 km) through Saratoga, Schenectady, and Albany Counties. The cables will re-enter the Hudson River near the Town of Coeymans in Albany County, south of the City of Albany.

Upon entering the Hudson River at Coeymans, the HVDC cables are buried within the Hudson River for 118 miles towards New York City. Two cables (one bipole) will terminate 354 miles (566 km) south of the Hertel substation at an HVDC converter station to be constructed at a property located on Wells Avenue in Yonkers, New York. The remaining cables (one bipole) will continue along the Hudson River to the entrance of Spuyten Duyvil Creek. The cables will then follow a 63-mile-long (101 km) route through Spuyten Duyvil Creek, the Harlem River, and the East River to Long Island Sound before terminating at a converter station to be constructed near 1 W Avenue in Bridgeport, Connecticut.

Alternating current (AC) cables will transmit electricity from the converter stations to substations connected to the electrical grid. From the Yonkers converter station, AC cables will re-enter the Hudson River and travel south along Spuyten Duyvil Creek, the Harlem River, and the East River for a distance of approximately 5.3 miles (8.5 km). The AC cables will terminate at the existing Consolidated Edison (ConEd) Sherman Creek/Academy substation, near the intersection of West 201st Street and 9th Street, in the Borough of Manhattan. From the Bridgeport converter station, AC cables will carry electricity a distance of approximately 150 feet (46 m) to an existing United Illuminating Company (UI) substation.

The Project's precise final route is subject to a number of factors, including resource issues, permitting, land acquisition, and stakeholder agreement.

Historic and Archaeological Resource Types within the Project's Vicinity

Although previous studies have identified several historic and archaeological resources in the Project's vicinity, the varying levels of analyses and investigation conducted for these studies have resulted in vastly different degrees of reporting and evaluation. At one end of this spectrum, resources within the proposed transmission cable corridor include "historic properties" that have been listed in or determined to be eligible for inclusion in the National Register of Historic Places (National Register). These historic properties include significant buildings, structures, sites, districts, and individual objects that meet the National Register Criteria for Evaluation (36 CFR § 60.4).

A smaller subset of historic properties within the vicinity of the Project has been designated as National Historic Landmarks (NHL) by the U.S. Secretary of the Interior. These NHL properties are considered significant historic places that possess exceptional value or quality in illustrating or interpreting the heritage of the United States.

Resources in the Project's vicinity also include properties listed in or eligible for inclusion in the Connecticut and New York State Registers of Historic Places (State Registers). All historic properties within Connecticut and New York listed in or nominated for inclusion in the National Register are concurrently listed in the State Registers.

Other sites reported in the vicinity of the Project's alignment have not been subject to the same level of study or evaluation as properties listed in or determined eligible for inclusion in the State or National Registers. The nature and quality of available data regarding these unevaluated sites often varies significantly. In several instances, documentation regarding the integrity or geographical boundaries of these sites has not been collected or is not presently available. Several archaeological sites recorded during the early 20th century fall into this category, as do many of the shipwrecks reported along waterways that comprise the majority of the transmission cable corridor. Many of these resources may potentially be eligible for inclusion in the National Register. However, in other instances, the integrity of these reported sites may be compromised or their geographical extent inaccurately reported. In either case, there is insufficient information currently available regarding these sites to make a recommendation or determination regarding their eligibility.

In addition to the resources discussed above, designated New York City Landmarks may also be located within the general vicinity of the proposed Project. New York City Landmarks and Landmark Districts are designated by the City of New York Landmarks Preservation Commission (LPC) to preserve important physical elements of New York City. Many of these Landmarks and components of Landmark Districts also share distinction as historic properties listed in or determined eligible for inclusion in the National Register.

Other related resources within the vicinity of the Project include National Heritage Areas. National Heritage Areas are designated by Congress and administered through a partnership between the U.S. National Park Service (NPS) and local coordinating entities. The goal of the National Heritage Program is to expand on traditional approaches to conservation by supporting large-scale, community centered initiatives that engage citizens in the preservation and planning process. While these National Heritage Areas contain historic resources listed in or eligible for inclusion in the National Register, the heritage areas themselves are not considered historic properties as defined by 36 CFR § 800.16(l). In addition to the National Heritage Areas,

the Project's proposed alignment is encompassed within several New York State Heritage Areas, including the Mohawk Valley Heritage Corridor and the "RiverSpark" (Hudson-Mohawk) Heritage Area. Similar to the National Heritage Areas, State Heritage Areas also contain properties listed in or eligible for inclusion in the National Register, but the areas themselves are not considered historic properties.

Governing Statutes and Consulting Agencies

Federal, state and local statutes governing the protection of historic properties have applicability to the proposed Project. Section 106 of the National Historic Preservation Act of 1966, as amended (Section 106), establishes the statutory responsibilities of federal agencies to consider the effects of their undertakings on historic properties listed in or eligible for inclusion in the National Register. Because the Project will require federal permits, Section 106 and its implementing regulations at 36 CFR § 800 are applicable to the entire undertaking. 36 CFR § 800 defines the procedures for identifying historic properties in consultation with federally recognized Indian tribes, the applicable State Historic Preservation Office (SHPO) and other parties, including the public.

In addition to Section 106, portions of the Project permitted by the New York State Public Service Commission are subject to the provisions of Section 14.09. Section 14.09 requires New York State agencies, to the fullest extent practicable, to give due consideration to feasible and prudent alternatives that will avoid or mitigate adverse impacts to properties listed in or eligible for inclusion in the New York State Register. Similarly, Connecticut requires state agencies to consider the effects of their undertaking on historic properties listed in the listed in the Connecticut State Register.

The LPC serves as the New York City's expert agency for historic resources and is typically consulted prior to authorizing projects that require discretionary action by city agencies. Pursuant to the New York City Landmarks Law of 1965, the LPC is also the agency responsible for regulating construction and improvements at New York City Landmark sites and districts.

The consultation procedures required pursuant to applicable statutes will be coordinated during the permitting process. The consultation process, identification and assessment requirements described in 36 CFR § 800 provide the opportunity to address applicable requirements of New York State Historic Preservation Act, and the requirements promulgated by the Connecticut State Historic Preservation Board, and the LPC. Accordingly, the Section 106 process will guide the identification of historic properties and the assessment of Project effects.

In accordance with Executive Order 10485, as amended by Executive Order 12038, CHPEI has applied to the United States Department of Energy (DOE) for a Presidential Permit authorizing the construction, operation, maintenance, and connection of facilities for the transmission of electric energy at the international border between the United States and Canada. The issuance of a Presidential Permit is considered an undertaking subject to the provisions of Section 106. Consequently, DOE will serve as the lead federal agency for purposes of consultation pursuant to Section 106. The DOE remains largely responsible for the findings and determinations made through the Section 106 process. As provided in 36 CFR § 800.2(c)(4), the DOE may authorize CHPEI to act as the agency's non-federal designee for purposes of consultation under Section 106.

The Section 106 process requires identification of historic properties within the Project's Area of Potential Effects (APE) through consultation with the SHPO, Indian tribes, the public and other stakeholders. Although the APE for this undertaking has not yet been established, CHPEI anticipates that will include all areas along the transmission cable corridor where ground-disturbing activities will be conducted. The APE will also likely include areas outside the transmission cable corridor, including the converter station sites, the AC cable alignment, transmission interconnection sites, laydown areas, and other locations that may be affected by Project construction and operations. Additionally, the APE will take into account standing historic properties (i.e., buildings, structures, individual objects, and districts) that may be indirectly affected by the undertaking.

Potential Project Impacts

The Project has the potential to effect archaeological sites, historic properties, and shipwrecks, including resources listed in or eligible for inclusion in the National Register. The proposed transmission cable corridor will be located along historically significant waterways in New York that have been designated as archaeologically sensitive by the New York State Office of Parks, Recreation and Historic Preservation (OPRHP). Construction of the Project has the potential for ground disturbance that may affect the integrity and character-defining features of archaeological sites located within the transmission cable corridor. Installation of the transmission cables will require subsurface excavation that could impact buried archaeological deposits or damage historic shipwrecks. Although there are limited terrestrial portions of the transmission line, overland sections are located in areas that may have significant prehistoric and historic period cultural deposits.

Several historic buildings, structures, and districts that are listed in the National Register are located along the proposed Project alignment. These historic properties comprise several locks along the Champlain Canal, military fortifications, and other properties listed in or eligible for inclusion in the State or National Registers, including NHL districts that encompass portions of Lake Champlain and the Hudson River. While the Project is unlikely to have a significant effect on standing historic structures or buildings within the Project's vicinity, archaeological deposits associated with these resources may by impacted by ground-disturbing activities resulting from both terrestrial and submarine cable installation. Other resources within the Project's vicinity may be indirectly affected by Project activities, including construction of the above-ground converter stations.

Transmission Cables and Installation Methodologies

CHPEI will use solid dielectric cross-link polyethylene (XLPE) cables for this Project. The HVDC cables contain no insulating or cooling fluids, and their strength and flexibility make them well suited for submarine and terrestrial installation. In general, each cable is comprised of a 1,400 mm^2 copper conductor, conductor screen, insulation, insulation screen, lead sheath, steel armor, and outer serving. The HVDC transmission cables use a triple-extruded, dry-cured polymer insulation system. Submarine cables include a polyethylene sheath extruded over a lead alloy sheath to provide superior mechanical and corrosion protection. A layer of tensile armor comprised of galvanized steel wires embedded in bitumen and laid in counter helix provides additional protection for submarine cables. The outer serving of the submarine cables will consist of an asphaltic compound with polypropylene reinforcement. For terrestrial cables, the outer sheathing will be an ultraviolet-stabilized, extruded polyethylene layer. The outside diameter of each proposed submarine HVDC transmission cable will be approximately 5 inches, and the cables will each have a weight of about 30 lb per ft. Terrestrial cables will have an outside diameter of approximately 4.5 inches, and each cable will have weight of about 20 lb per ft.

Occasional variations in the size of the conductor and diameter of the HVDC cables may be necessary along certain sections of the Project's alignment. These required variations will be identified and detailed through the engineering design process.

Given the length of the Project (approximately 400 miles) and the diversity of landforms and water areas that are crossed by the Project route, a variety of methods and equipment will be employed during the construction phase of the Project. The goal of the cable installation will be to construct an HVDC cable system (and a relatively small section of HVAC cable system from the converter station to the substation) that, once properly installed and commissioned, will minimize the need for extensive maintenance and repair work during the operational life of the Project.

The methods for submarine and terrestrial cable installation are discussed separately, below.

Submarine Cable Installation

As described above, the Project's proposed route follows existing waterways along a majority of the preferred alignment. Two submarine cables associated with each transmission system bipole will be laid approximately

6 feet apart, and the two bipoles will typically be separated by approximately 30 feet. The separation distance between bipoles may vary with depth of water, with greater separation for deep water and reduced separation in shallow water and submarine to terrestrial transition areas. The minimum separation will never be less than 12 feet between bipoles. Generally, the submarine power cables will be armored and buried primarily to a standard three foot depth. Cable burial may be performed at the same time the cable is laid or at a later date, as deemed appropriate. The cables will be laid by specialized cable-laying vessels or a specially outfitted laybarge, depending on navigation constraints along the route. Several methods will be employed to ensure that the cable is sufficiently buried.

The majority of the proposed Project route is located within waterways. The proposed method of installation of the submarine HVDC cables is by the water jetting embedment process. This method involves the use of a positioned cable-laying vessel and a hydraulically-powered water jetting device that simultaneously lays and embeds the submarine cable in one continuous trench. At this time, the primary proposed installation vessel will be dynamically positioned, using thrusters. Dynamically positioned cable installation vessels do not contact or directly disturb the bottom; however, depending on navigation limitations along the route, it is possible that a tugboat positioned vessel or an anchor-positioned vessel may be used for some of the submarine cable installation. An anchor-positioned vessel would propel itself along the route with forward winches while letting out on rear winches and the other lateral anchors holding the alignment during the installation. The 4-to-8 point mooring system would allow a support tug to move anchors while the installation and burial proceeds uninterrupted on a 24-hour basis.

Water jetting embedment methods for submarine cable installations are considered to be the most effective and least environmentally damaging when compared to traditional mechanical dredging and trenching operations. This method of laying and burying the cables simultaneously ensures the placement of the submarine cable system at the target burial depth with minimum bottom disturbance, with much of the fluidized sediment settling back into the trench.

Water jetting equipment uses pressurized water to fluidize sediments. The water jetting device is typically fitted with hydraulic pressure nozzles located down the length of "swords" that create a direct downward and backward "swept flow" force inside the trench. This provides a down and back flow of re-suspended sediments within the trench, thereby "fluidizing" the in situ sediment column as it progresses along the predetermined submarine cable route such that the submarine cable settles into the trench under its own weight to the planned depth of burial. The water jetting device's hydrodynamic forces do not work to produce an upward movement of sediment into the water column, since the objective of this method is to maximize gravitational replacement of re-suspended sediments within the trench to bury or "embed" the cable system as it progresses along its route. The pre-determined (and adjustable hydraulics on the water jetting device) deployment depth of the jetting swords controls the cable burial depth.

In relatively shallow water depths (typically less than 15 feet), shallow draft vessels/barges, which typically use anchors for positioning, may be used for installation. Deeper draft vessels equipped with dynamic positioning thrusters are proposed for deeper water locations.

Burial can be performed by an independent or towed burial machine. The self-propelled water jetting device moves forward by the reaction of the backward thrust of the hydraulic jetting power that is fluidizing the soil and keeping the created trench open for the cable to sink into. The forward rate of progress is regulated by the varying types of soil and the water pressure applied through the jets. A towed skid/pontoon-mounted water jetting device or wheeled, frame-mounted water jetting device, can be deployed and operated in conjunction with the cable-laying vessel where appropriate.

It is anticipated that installing each of the four cables to the required depth (a minimum of 3 feet of cover) in the sediments that are generally found along the proposed underwater cable route will require that the water jetting device fluidize a pathway approximately 2 feet wide and 4 feet deep. Each cable will settle into the trench through its own weight.

The geometry of the "trench" is typically described as trapezoidal, with the width gradually narrowing with depth. Temporarily re-suspended in situ sediments are largely contained within the limits of the wall, with only a minor percentage of the re-suspended sediment traveling outside of the trench (more so for fine sediments than coarse). Any re-suspended sediments that leave the trench tend to settle out quickly in areas immediately flanking the trench, depending upon the sediment grain-size, composition, water currents and the hydraulic jetting forces imposed on the sediment column necessary to achieve desired burial depths.

As the water jetting device progresses along the route, the water pressure at the device nozzles will be adjusted as sediment types and/or densities change to achieve the required minimum burial depth. A test trench may be preformed to ensure proper depth of burial. In the unlikely event that the minimum burial depth is not met during water jetting embedment, additional passes with the water jetting device or the use of diver-assisted water jet probes will be utilized to achieve the required depth.

In certain small areas – typically transition areas between HDDs and cable trenches – a diver- operated hand jet may be used to bury the cable. In this process, a support vessel provides pressurized water through a hose with a nozzle that is maneuvered by a diver. The diver works the sediment under the cable to create a trench into which the cable settles. This method would be employed for short distances only, typically less than 100 feet.

For sections where water jetting is not possible, "plowing" may be necessary. For the plowing technique, a trench is made for the cable by towing a plow, and the cable settles into the trench, either at the same time or in a subsequent pass of the cable-laying vessel. There are pre-lay and post-lay plows, depending on the needs of the Project. For a pre-lay plow, the cable is simultaneously fed into the trench as it is created by the plow. For a post-lay plow, the cable has already been laid, the plow is lowered on the bottom and the cable placed inside the plow device, which then embeds it into the bottom as the plow is pulled forward. In either situation, the plow is not self-propelled, but is instead tethered to a surface support vessel which supplies the pulling power. Usually, the bottom sediment is allowed to naturally backfill the trench over the cable by slumping of the trench walls, wave action, or bed load transport of sediments. If the sediments are not likely to result in adequate backfill over the cable, a backfill plow can be used which employs horizontal blades that capture some of the sediment pushed off to the sides during plowing and pulls it back into the trench over the cable.

While it is intended that the use of conventional underwater trench excavation methods will be minimized, there will be some locations where conventional dredging will be required. These circumstances may include instances where the cable route is located within an existing navigation channel. In these locations, either a clam-shell dredge or a barge-mounted excavator will be used to pre-dredge a trench into which the cable will be laid. The trench will typically be over-excavated by approximately 20 percent to allow for slumping of trench sidewalls prior to cable installation. Trench spoil will be brought to the surface and placed on barges, either for re-use as backfill or for approved disposal. This work will most likely occur from spud barges, although anchor-moored or jack-up barges may also be employed depending upon equipment availability and site conditions. A typical spud dredge barge will be equipped with three spuds, with one spud being a walk-away spud. The barge will have a crane, typically outfitted with a 6 to 9 cubic yard clamshell bucket. Alternatively, the barge may have a track hoe excavator working off the deck of the barge, possibly with an extended boom for areas of deeper water. Once a segment of trench is excavated, cable will be laid and the clam-shell dredge or excavator will place sediment back into the trench.

In limited areas along the Project route, surficial geology or existing infrastructure (e.g., electric cables, gas pipelines, ferry cables, etc.) may not permit adequate cable burial depths within the lake/canal/river/seabed to ensure adequate cable protection. In these areas, the HVDC cables will be laid on the lake/canal/river/ seabed with protective coverings, such as rip-rap or articulated concrete mats. Areas where this method may occur are at foreign pipeline or cable crossings, small unavoidable bedrock areas, and potentially in areas of contaminated sediments. In these locations, the plow or water jetting device will be lifted off the bottom moved forward past the obstacle and then re deployed to the bottom once safely across. In a separate activity, the cable laying on the sediment surface would be covered with sloping stone rip-rap or articulated concrete mats. Typically this method will be used only for short distances.

Articulated concrete mats are made of small pre-formed blocks of concrete that are interconnected by cables or synthetic ropes in a two dimensional grid, typically creating shapes ranging from 6 feet by 6 feet to 8 feet by 25 feet. The concrete mats are lifted off barges and lowered into the water over the cable using a crane. Positioning is monitored by divers. Rip-rap would be sized to remain in place under current and wave conditions expected at the site. Rip-rap would be lowered from a supply barge using either a clamshell dredge or an excavator. Rip-rap thickness would be monitored by divers to prevent over- or under-placement of material.

Crossing of utilities owned by a third party, such as existing cables and pipelines, will require formal crossing agreements to be made. The design of the protection at these crossings will be subject to such agreements. Detailed discussions on methodologies and safety issues will be conducted with the owners of these infrastructures.

The transition of the HVDC submarine cables from water to land will be accomplished through the use of horizontal directional drilling (HDD). HDD is a preferred methodology because it minimizes disturbance within the intertidal zone and nearshore areas. At each shoreline transition location, the HDD will be staged at the onshore landfall area. Each cable will be installed within an 8 to 10-inch-diameter high density polyethylene (HDPE) casing. These HDPE casings will each require individual HDD sites. A drill rig will be setup onshore behind a bentonite pit, where a 40-foot–long drill pipe with a pilot-hole drill bit would be set in place to begin the horizontal drilling. Drilling fluid will then be pumped into the hole. The HDD construction process will involve the use of drilling fluid in order to transport drill cuttings to the surface for recycling, aid in stabilization of the *in situ* sediment drilling formations, and to provide lubrication for the HDD drill string and down-hole assemblies.

After each 40-foot-long section of drilling, an additional length of drill pipe is added until the final drill length is achieved. When the drill bit emerges in the pre-excavated pit, the bit is replaced with a series of hole opening tools called reamers to widen the borehole. For this project, it is anticipated that a single reaming pass would be necessary to allow installation of the conduit. Once the desired hole diameter is achieved, a pulling head is attached to the end of the drill pipe and the drill pipe is used to pull back the HDPE conduit pipe into the bored hole from the offshore end.

Smaller conduits with pulling wires would be placed inside the HDPE pipe to house the submarine cable system. Once the internal cable conduits have been inserted into the HDPE conduit, a clay/bentonite medium would be injected into the conduit system to fill the void between the cable conduits and the pipe. The conduits would be sealed at both ends until the submarine cable system is ready to be pulled through the conduit. After submarine cable system installation, the conduits would be permanently sealed at each end to complete the installation process.

To further facilitate the HDD operation, a temporary cofferdam may be constructed at the exit hole location. The cofferdam would be rectangular in shape and would be open at the end facing towards the shore to allow for manipulation and pull back of the conduits. The cofferdam would be constructed using steel sheet piles driven from a barge-mounted crane. The cofferdam is intended to help reduce turbidity associated with the dredging and HDD operations.

The area inside the cofferdam would be excavated to expose the seaward end of the borehole. Sediment inside the cofferdam would be excavated to expose the area where the HDD borehole would end. At the end of cable installation, the cofferdam excavation would be backfilled rather than allowed to in-fill over time. The dredged material would be temporarily placed on a barge for storage, and dredged area of the cofferdam would then be backfilled with the dredged material. If necessary, the dredged material backfill material would be supplemented with imported clean sandy backfill material to restore the bottom to preconstruction grade

Terrestrial Cable Installation

To the extent practicable, the transmission cable route will follow existing waterways extending from the United States/Canadian border to the New York City and southwestern Connecticut regions. However,

engineering and environmental constraints will require overland installation of the cables along certain sections of the Project's route. The HVDC cables along overland bypass routes around Locks C12, C11, C9 (there is no Lock C10), and the Upper Hudson River Dredging Project area. The HVDC cables will be buried within existing railroad rights-of-way located adjacent to the associated waterways along the proposed Project route, with the exception of the Lock C9 bypass, which utilizes NYSCC-owned land for cable installation/burial.

The underground portion of the Project route is located within or immediately adjacent to the existing Canadian Pacific Railroad (CP) and the CSX Transportation, Inc. (CSX) railroad rights-of-way. A minimum separation distance is required from the rails to the cables by each railroad, with CP requiring a minimum separation of 10 feet from the centerline of the outermost track to the cable trench and CSX requiring a minimum separation of 25 feet from the centerline of the outermost track to the cable trench. The typical and preferred layout is to have one bipole (two cables) installed on either side of the railroad tracks. With this layout, the limits of construction activity extend 15 feet beyond the required minimum setback of the railroads. This 15-foot area will include the area needed for excavation of the trench, installation of erosion and sediment control measures, installation of the two cables, and stockpiling of excavated material. In total, the CP construction corridor will amount to approximately 50 feet (25 feet on either side of the track) and the CSX construction corridor will amount to approximately 80 feet (40 feet on either side of the track). There are areas that will require different configuration and pose additional engineering challenges, such as steep slopes, environmentally sensitive areas, and existing structures.

Each of the four underground cables will require a number of splicing joints and a flat pad will be installed underneath each joint for splicing activities. The number of joints will be kept to a minimum and will be determined either by the maximum length of cable that can be transported in a single piece or by the maximum length of cable that can be pulled, whichever is the least. The jointing is performed in a jointing pit, with typical general dimensions for four cables being 30 feet long, 40 feet wide, and 7 feet deep. For land installation, typical segment lengths range from 0.5 to 0.1 miles. The following sections identify the general construction sequence for routine cable installation along the underground portion of the Project:

- Initial clearing operations (where necessary) and storm water and erosion control installation;
- Trench excavation;
- Cable installation;
- Backfilling; and
- Restoration and revegetation.

Initial clearing operations will include the removal of vegetation within the cable trench area, along with any temporary additional construction workspace (e.g., HDD workspace), either by mechanical or hand cutting. The cleared width within the right-of-way and temporary construction workspace will be kept to a minimum that will allow for spoil storage, staging, assembly of materials, and all other activities required to safely install the cable.

The typical trench will be up to 9 feet wide at the top and approximately 3 feet deep to allow for the proper depth and separation required for the burial of the cables. In general, the trench will be deep enough to provide for 3 feet of cover over the cable and the excavated material will be placed next to the trench. In normal terrain, where the soil consists of unconsolidated rock and earth, the trench will be excavated using rail-mounted equipment. When this is not possible, traditional excavation equipment will be used.

Based on review of soils and geologic maps of the Project area, shallow bedrock has the potential to be encountered along some portions of the land segment of the proposed Project route. Rock encountered during trenching will be removed using one of the following techniques. The technique selected is dependent on relative hardness, fracture susceptibility, and expected volume of the material. Techniques include:

- Conventional excavation with a backhoe;
- Hammering with a pointed backhoe attachment followed by backhoe excavation; or
- Blasting followed by backhoe excavation.

For the overland sections of the Project's route, two cables within each bipole system will typically be laid side-by-side (approximately 3 feet apart) in a trench approximately 3 feet deep. Once a pre-selected length of trench is excavated to the necessary depth and the base prepared, rollers will be placed in the bottom of the trench to facilitate pulling the cable into the trench. A cable attached to a winch at the opposite end of the trench from the cable spool will be attached to the cable and reeled in, pulling the cable down the length of the trench on the rollers. Depending upon the soil conditions on the bottom of the trench, the bottom of the trench may have some padding fill placed before pulling the cable into the trench. Once the cable segment is pulled down the length of the trench, it is moved off the rollers.

Given the need to schedule work with the railroad and the overall Project schedule, it is anticipated that cable installation activities will occur 24 hours per day/7 days per week in most areas, with nighttime shutdowns occurring in select sensitive receptor areas. This will require that nighttime lighting be used. To the extent possible, directed lighting will be employed when in residential areas to minimize lighting of areas outside of the workspace. In addition, the continual construction schedule will result in the operation of heavy machinery and equipment (e.g., generators, excavators, vehicle engines) during all hours of the day and night. Depending upon noise sensitivity of nearby areas, certain activities may be limited to daytime periods (e.g., blasting, if required).

Subsequent to laying the cables, the trenches will be backfilled with low thermal resistivity material. Because the operation of the cables results in the generation of heat, and heat reduces the electrical conductivity of the cables, it is important to backfill with this material to prevent heat from one cable affecting a nearby cable. There will be a protective concrete cover or a layer of weak concrete directly above the low thermal resistive backfill material. The whole assembly will have a marker tape placed 1 to 2 feet above the cables. Where two bipole transmission systems are present, two trenches will be required, and the bipoles will have a minimum separation of approximately 12 feet. The top of the trench may be slightly crowned to compensate for settling. In wetland areas, the segregated topsoil will be spread across the trench area.

In areas of wetlands or perched water tables, trench plugs or other methods to prevent draining of wetlands or surface waters down the trench will be used. In areas of wetland soils, the organic surface layer will be backfilled over the subsoil backfill to reestablish an adequate soil profile for wetland restoration objectives. Another component of the backfilling process that will be assessed and addressed is soil compaction. Soil compaction is a small concern if the trenching, stockpiling, cable installation, and backfilling is conducted from the railroad, as heavy equipment operation on the ground surface along the cable trenches will be minimal. In addition, location of the construction corridor within the railroad right-of-way (and not on adjacent fields or agricultural lands) further reduces the likelihood of soil compaction concerns.

A cleanup crew will complete the restoration and revegetation of the rights-of-way and temporary construction workspace. In conjunction with backfilling operations, any woody material and construction debris will be removed from the rights-of-way. The temporary construction area will be seeded with an approved seed mix for the area and allowed to revegetate naturally.

Permanent changes to vegetation cover are not anticipated except in limited areas where forested cover may be converted to a shrub community where the cables are installed outside of the existing portion of the right-of-way currently undergoing vegetation management. During operation of the Project, these areas will be managed to prevent the establishment of trees directly over the cables. Vegetation clearing will occur only if it is necessary to conduct repairs or maintenance along the transmission cables. The use of herbicides for construction and maintenance of the cables is not anticipated at this time.

Converter Stations

CHPEI proposes to construct converter stations near existing substation locations at Wells Avenue in Yonkers, New York and near 1 W Avenue in Bridgeport, Connecticut. The HVDC converter station will be of a "compact type" (Siemens HVDC Plus™ or ABB HVDC Light™). The dimension of the converter station facilities is approximately 525 feet by 230 feet and 81 feet tall, requiring approximately 3 acres (1.2 ha) of land. The proposed converter stations will require concrete foundations to support the equipment and superstructure. The specific methods for converter station construction will be dependent on the existing conditions at the proposed locations.

Area of Potential Effects

The Section 106 process requires identification of historic properties within the Project's Area of Potential Effects (APE) through consultation with the SHPO, Indian tribes and other stakeholders. 36 CFR § 800.16(d) defines the APE as the geographic area or areas within which an undertaking may directly or indirectly cause alterations in the character or use of historic properties , if any such properties exist. Project activities, both temporary and permanent, have the potential to impact cultural resources during the construction and operation phases of the Project. Although the APE for this undertaking has not yet been established, CHPEI anticipates that will include all areas along the transmission cable corridor where ground-disturbing activities will be conducted. The APE will also likely include areas outside the transmission cable corridor, including the converter station sites, the AC cable alignment, transmission interconnection sites, laydown areas, and other locations that may be affected by Project construction and operations. Additionally, the APE will take into account standing historic properties (i.e., buildings, structures, individual objects, and districts) that may be indirectly affected by the undertaking.

ENVIRONMENTAL SETTING

The Project extends through a multitude of environmental and geological settings. This survey will examine the general environmental, soil, and geological settings intersected by the Project.

The overland route of the transmission line will cross seventeen different general soil map units across three counties. General soil map units include broad areas that have a distinctive pattern of soils, relief, and drainage. Each general map unit is a unique natural landscape and typically consists of several different soil types. Table 1 presents the general soil map units in relation to the relevant segments of the transmission cables. Alluvial settings, where potential precontact Native American archeological deposits are likely deeply buried, are limited to the termini of the overland segment at the Hudson River in Coeymans, Albany County, and Moreau, Saratoga County. There is also a short segment located on north side of the Mohawk River at the overland route's crossing in Glenville, Schenectady County.

Two large sections of Urban Land are located in the overland route through the City of Schenectady and at the converter station in Yonkers. Although natural soil columns may be present in locations through the city, this general survey characterizes the entire city and surrounding area as urban land and cut-and-fill land. Archeological investigations in cut-and-fill land typically encounter natural soils and intact cultural deposits beneath fill or disturbed soils. Testing measures in these areas will likely involve backhoe trenching and careful historical map overlays. Much of the Schenectady portion of the overland route likely lies in former floodplain settings, raising the possibility of deeply buried early historic and precontact cultural deposits. The converter station at Bridgeport, Connecticut, is located on made land created on the shores of Bridgeport Harbor.

The majority of the overland route runs through glacial lake soils, formed during the post-glacial impoundment and draining of Lake Albany along the Hudson River Valley. In Saratoga County, much of the overland route between Northumberland and Malta is one of two glaciolacustrine soil associations. Glacial lake deposits characterize nearly the entire Schenectady County route. This includes sandy deltaic deposits, commonly associated with the Pine Bush natural area in this and neighboring Albany County. In Albany County, glacial lake deposits are found southeast from Feura Bush to the Hudson River, and in a small patch

north from the Watervliet Reservoir to the border with Schenectady County. The Project also crosses an ancient channel of the Mohawk River between Ballston Spa and the modern Mohawk River, where there is a heightened sensitivity for Paleoindian contexts.

Table 1. General Soil Associations and Descriptions for Project Segments.

Soil Association Name	Description	Location
Hudson-Rhinebeck-Manlius	Glacial lake sediments, some alluvium, outwash plains, terraces, and ancient lakebeds.	Hudson River to Gansevoort.
Windsor-Deerfield-Scio	Glacial lake sediments on outwash plains and terraces.	Gansevoort to Saratoga Springs.
Charlton-Galway-Chatfield	Upland glacial till.	Near Saratoga Springs.
Oakville-Wareham	Glacial lake sediments on outwash plains and terraces.	Saratoga Springs to Ballston Spa.
Broadalbin-Mosherville-Sun and Mosherville-Hornell	Upland glacial till.	Ballston Spa to Saratoga-Schenectady county line.
Scio-Raynham and Hamlin-Wayland-Teel.	Glacial lake sediments and recent alluvium.	From Saratoga-Schenectady county line to Mohawk River crossing.
Cut-and-fill land.	Urban and cut-and-fill land.	North side of City of Schenectady.
Plainfield, Colonie, and Elnora-Junius.	Glacial lake sediments, some sandy deltaic deposits, lake plains and valleys.	City of Schenectady to Watervliet Reservoir.
Chenango-Valois	Upland glacial till and outwash, terraces.	South side of Watervliet Reservoir.
Nunda-Burdett	Upland glacial till.	Guilderland Center to just north of Feura Bush.
Hudson-Rhinebeck	Glacial lake deposits, lake plains and terraces.	Feura Bush to NY 144 near the Hudson River.
Teel-Hamlin	Recent alluvium, flood plains.	East of NY 144 to Hudson River.

Upland glacial till deposits are located in two main areas. The first is in Saratoga County, where the overland route passes Round Lake and Ballston Lake in the towns of Clifton Park and Ballston. The other major glacial till section is in Albany County, where the overland route crosses an elevated terrace overlooking the Hudson River Valley between Guilderland Center and Feura Bush. There is one other very small segment in Schenectady County on the south side of the Mohawk River just east of Schenectady.

The Project area also crosses several bedrock types throughout New York State. A few of these are known to bear chert deposits, a stone used widely by Native Americans to make tools. One such area exists in Albany County in the Town of Bethlehem and New Scotland along the Helderberg Escarpment. Chert-bearing outcrops have been noted in road cuts by archeologists in that area. There are no known quarries directly within the Project area, but the resources are nearby.

HISTORICAL CONTEXT OF THE PROJECT CORRIDOR

The proposed Project corridor extends from the northeastern corner of New York State in the Lake Champlain region, down through the Hudson River Valley, through the New York City region, and finally along the southern New England coastline through Long Island Sound. Waterways in these regions have served as important conduits for transportation, communication, and trade throughout the precontact and historical periods. Historical and archaeological studies have documented a long and detailed body of research regarding the prehistoric and historic occupations of these regions. The following historical context presents an overview of the cultural and historic resources potentially located in the vicinity of the proposed Project corridor.

Precontact History

The Native American history of this region extends back as far as 11,300 years ago. Near the end of the Pleistocene epoch, most of the Project corridor was blanketed with continental glaciers that extended as far south as Long Island. The glacial ice began to retreat around 12,000 years ago, exposing a newly formed landscape. The first evidence of Native American moving into this region has been dated to 11,300 years ago (Laub 2002). Intact archaeological sites in the Northeast and in the New England-Maritimes suggest that Paleoindian populations favored rich ecological zones associated with swamps, rivers, and postglacial lakes (Pasquariello and Loorya 2006; Funk 1976, 1991). Paleoindian artifact assemblages within the Northeast are dominated by lithic technologies, particularly fluted projectile points, utilized flakes, and smaller bifacial tools, such as scrapers and burins (Carr and Adovasio 2002). Paleoindian populations also relied heavily on perishable technologies, such as textile, bone, and wooden tools. However, differential preservation of archaeological materials typically makes these technologies far less visible in the artifact assemblages from known sites in the region.

In general, Paleoindian sites are uncommon in the Northeast. A number of factors contribute to the lack of sites from this period. While several fluted points have been recovered along the proposed transmission cable corridor, the age of Paleoindian deposits, subsequent landscape modifications, and associated ground disturbance make the likelihood of encountering intact Paleoindian sites relatively low. Other significant factors that affect the visibility of intact sites include the low population densities during the Paleoindian period, the nature of material culture types common to hunter-gatherer groups, and the general environmental conditions in the region at the end of the Wisconsinan glaciation. The paleoenvironmental landscape was also significantly altered by natural environmental conditions precipitated by a host of processes, including isostatic rebound, post-glacial eustatic sea level rise, and concomitant changes in characteristics of alluvial environments. These and other natural processes have further obscured the relationship between the paleoenvironmental environment and the modern landscape.

A warming climate and a greater ecological diversity following glacial retreat prompted changes in subsistence strategies and technologies (Ritchie 1965; Funk 1976). The Archaic period (10,000-3,000 years ago) saw the emergence of mixed deciduous-coniferous forests and the appearance of essentially modern fauna in the Northeast (Quinn et al. 1999; Brennan 1991). In general, Native American groups adopted subsistence strategies that focused on hunting smaller, locally available fauna, such as white-tailed deer, turkey, waterfowl, and black bear. Seasonal availability of game animals, aquatic resources, and wild plant foods continued to make hunting and foraging successful resource procurement strategies, particularly in coastal areas. These strategies contributed to a population growth throughout the Northeast during the Archaic period (Fagan 2000). Archeological sites dating from the Archaic period are most common in the Upper Hudson River drainage and in the southeastern portion of the state. However, Archaic sites have been identified throughout the region.

Although the Early Archaic is poorly understood in New York, sites from this period have been identified in the Upper Hudson River drainage and in the southeastern portion of the state. Projectile points associated with the Early Archaic have been found along the Hudson River Valley, but single-component sites have not been excavated in this region.

Within the Project area, the Middle Archaic is characterized by an adaptive strategy that relied on a combination of hunting, fishing, and gathering (Pasquariello and Loorya 2006). Middle Archaic sites are typically associated with rivers, swamps, lakes, estuaries, and coastlines. The proximity of these sites to existing waterways suggests that Middle Archaic populations were exploiting seasonal fish runs and bird migrations along the Eastern Flyway (Pasquariello and Loorya 2006). The emergence of ground and polished stone tools during the Middle Archaic indicate that techniques to process nuts and edible plants were also becoming better refined during this stage (Ritchie 1965).

The Late Archaic saw the florescence of a number of cultural manifestations across the Northeast. In the vicinity of the Project, Late Archaic sites from the Laurentian Tradition and the Lamoka phase have been identified. While the relationship between these two phases in New York is somewhat unclear, it is apparent

that by the Late Archaic cultural diversity was expanding rapidly (Quiggle 2008). The settlement patterns that developed in resource-abundant areas suggest the use of seasonal base camps to augment migratory resource procurement strategies. This semi-sedentary pattern is represented by an increase in the number house structures, storage pits, and larger quantities of organic food remains (Quinn et al. 1999; Ritchie 1965). While typical Late Archaic sites in the vicinity of the Project continue to be relatively small, they are found on all landforms and environmental areas.

Archaeologists have long recognized a Terminal Archaic period that bridges the Archaic and Woodland periods in the Northeast (Ritchie 1965). Characteristics of the Terminal Archaic include the use of steatite cooking vessels and the appearance of Orient Fishtail projectile points. Orient Fishtail points are typically found throughout the Long Island, southern New England, and the Hudson River Valley, although morphological correlates have been identified throughout the Northeast (Justice 1987).

Changing settlement patterns and technology around 3,000 years ago characterized a new cultural period in Native American history. The Woodland period dated from around 3,000 years ago to around the time of contact with European explorers (c. AD 1600). Ceramic vessel manufacture began to appear in isolated areas in eastern North America during the Late Archaic, but became only regionally significant in the Northeast approximately 3,000 years ago (Quinn et al. 1999). Ceramic manufacture reflects increasingly sedentary settlement patterns and a growing dependence on domesticated plants, although evidence for cultigens is somewhat lacking for much of the Northeast until the around 2,000 years ago. Marine resources, particularly shellfish, became increasingly important during the Middle Woodland, and researchers have identified an increase in coastal and riverine settlements during the period (Pasquariello and Loorya 2006; Kraft 2001).

While a variety of cultural manifestations continued to appear throughout the Woodland period, a regional assessment indicates that Middle Woodland populations continued a shift toward more sedentary communities. Marine resources—particularly shellfish—became increasingly important during the Middle Woodland, and researchers have identified an increase in coastal and riverine settlements during this period (Pasquariello and Loorya 2006).

Maize, bean, and squash agriculture became an important source of subsistence during the Late Woodland period (Quiggle 2005). Major sociopolitical changes accompanied the widespread adoption of cultivation practices, including increased territorialization and changes in residence patterns. These changes led to the emergence of the Iroquoian Tradition within western, central, and northern New York State by AD 1300. Around the time of European contact, people speaking closely related Eastern Algonquian dialects occupied southern New England, eastern Long Island, and sections of the Hudson River Valley, near present-day Albany (Pasquariello and Loorya 2006; Ritchie 1965). Southeastern New York was occupied by people speaking a Munsee dialect of the Delaware language near the end of the Late Woodland. The Munsee cultural area encompassed the lower Hudson River Valley across southeastern New York, northern New Jersey, and northwestern Pennsylvania and extended to western Long Island (Grumet 1995).

Iroquoian and Algonquian communities were oriented around maize, bean, and squash cultivation in fields near settlements. Large, nucleated semi-permanent Iroquoian settlements were originally located along floodplains, river terraces, or coastlines. However, by the 1300s, Iroquoian communities began to relocate villages to more defensible upland areas. In many cases, these villages were protected by stockade walls erected as an additional fortification. Conversely, Algonquian populations in the region generally occupied smaller, decentralized villages.

Sixteenth century Munsee, Iroquoian, and Algonquian-speaking populations apparently shared many common life-ways typical of Late Woodland peoples in the Northeast. However, there is little archaeological evidence to indicate that Munsee communities cultivated plants prior to European arrival in the Americas. The lack of arable soils, dearth of archaeological evidence of agriculture, and the abundant marine resources in the region all suggest that the Munsee's primary resource procurement strategy emphasized hunting, fishing, and gathering practices (Grumet 1995). Archaeological evidence indicates that semi-sedentary Late Woodland Munsee communities were located along major drainages and coastlines, but it does not appear that they built fortified villages.

Historical Period (c. 1609 to present)

Ephemeral contact between Native Americans and Europeans along the Atlantic Coast of North America may have begun as early as the 1490s. Unverified evidence from archival records indicates that European fishing fleets may have made landfall along the coast of Newfoundland and the Gulf of St. Lawrence toward the end of the 15th century (Grumet 1995). In 1524, Italian explorer Giovanni da Varrazzano made the first documented contact with Native Americans along the Atlantic seaboard. Shortly after Varrazzanno's encounter, French explorer Jacques Cartier traveled inland along the St. Lawrence River to present-day Montreal and made contact with St. Lawrence Iroquoian groups that occupied the region. Hostilities between Native Americans and the French limited trade relations and stifled European attempts to establish a colony in the region during the 1500s (Grumet 1995). Notwithstanding these difficulties, archaeological evidence indicates that European trade items were obtained by indigenous coastal groups from European fishing and whaling fleets and made their way inland through trading intermediaries during the 16th century (Quiggle 2008).

The 17th century was a period of tremendous social and political upheaval across the entirety of Northeastern North America. Sustained contact in the vicinity of the Project corridor began with Samuel de Champlain's exploration of the region in 1609 (LCMM 2009a). The same year, Henry Hudson, explorer for the Dutch East India Company, navigated the river that now bears his name north to the present-day City of Albany (Grumet 1995). European settlers that soon followed these explorers encountered an indigenous population wracked by epidemic diseases brought from the Old World. Waves of epidemics killed thousands of Native Americans living in the Northeast during the early contact period. The epidemics were compounded by internecine hostilities among Native American groups fostered by competition for access to European trade goods (Quiggle 2006). Warfare among indigenous populations killed thousand of Native Americans and forced others to flee the region during the 17th century.

Territorial expansion also caused conflict between Native Americans and European settlers pushing inland via the Hudson, Connecticut, and St. Lawrence River valleys. Regional conflicts such as the Pequot War ravaged both Indian and colonial communities throughout the region. (Grumet 1995; Kraft 1991, 2001). European settlers and their Indian allies also attacked other settlements in the Northeast in an attempt to wrest political control of the region (Grumet 1995). These conflicts were primarily motivated by access to trade goods and Old World rivalries that spread to the colonies.

In the 17th century, defensive developments appeared along the Champlain Valley as the French and British struggled for control of waterways that provided transportation for furs and other trade items (LCMM 2009b). Large Dutch settlements also developed in the mid- and lower Hudson River Valley at the places that would become Albany, Kingston, and New York City. By the second half of the 17th century, the British wrested control of the Hudson River Valley from the Dutch. The struggle for military control over important waterways and ports would continue throughout most of the seventeenth and eighteenth centuries. The first permanent English settlements in Connecticut began in the first half of the 17th century.

The Champlain Valley remained a contested area throughout the 18th century, and the French attempted to solidify control over the important transportation route provided by Lake Champlain through construction of a series of defenses at Crown Point (LCMM 2009b). In 1754, French attacks on a British fort along the Connecticut River reignited large-scale regional conflict. The Champlain and Lake George regions became hotbeds of military activity during the French and Indian War, as the colonial powers and their Indian allies fought a bloody and protracted battle for control of the continent. After the fall of Fort William Henry, France was able to exercise military control over the region through its naval forces on Lake Champlain and the French forts at Ticonderoga, Crown Point, and Chimney Point (LCMM 2009b). This control was short-lived, as the British returned with a large naval flotilla in 1759. British troops and warships attacked French ships on Lake Champlain and the garrisons at Crown Point and Ticonderoga. Undersupplied and outnumbered, France lost control of its major fortifications in the region by 1760. The 1763 Treaty of Paris ended the French and Indian War and brought a temporary peace to the Champlain Valley (LCMM 2009b).

The American Revolution again brought conflict to the region from Lake Champlain to Long Island. At the outset of the conflict, American forces under Ethan Allen and Benedict Arnold captured the British fortifications at Ticonderoga and Crown Point in a daring surprise attack. Subsequent victories in the region gave the Americans control of the lake and access to Canada. Despite these early successes, the attempt to invade Canada ultimately failed, and the American Army was forced to retreat overland in early 1776 (LCMM 2009c). The Americans were able to command Lake Champlain with a small naval force that included captured British vessels and ships built at local American shipyards on the lake. This control ended in 1776, with the British defeat of the American naval forces at the Battle of Valcour Island. Notwithstanding this naval success, the British were unable to dislodge the American forces from the redoubts at Ticonderoga and Mount Independence during the 1776 campaign. Consequently, the British again returned to the Champlain Valley in 1777 (LCMM 2009c). British General John Burgoyne was able to secure the undefended Mount Defiance above the American garrisons and fired a fusillade from cannons stationed on the high ground. The American forces were forced to retreat and to relinquish control of Lake Champlain throughout the remainder of the war (LCMM 2009c).

In the south, New York became an occupied city after the fledgling American Army fled north following the Battle of Long Island (Pasquariello and Loorya 2006). North of New York, present-day Westchester County was known as the "Neutral Ground" that separated the British and American forces. Despite this moniker, Westchester County was the scene of the battles of Pelham and White Plains in 1776 (Pasquariello and Loorya 2006). The region was home to both Tory sympathizers and revolutionaries, and it remained a hotbed of partisan activity throughout the war.

Early in the conflict, both the American and British forces recognized the strategic importance of controlling traffic on the Hudson River. The Americans attempted to block the British fleet from gaining access to the interior by constructing an iron chain across the river near Fort Montgomery (United States Military Academy [USMA] 2009). When this attempt failed, General George Washington sought to establish fortifications upstream from Fort Montgomery at a high plateau with commanding views of the river valley. In 1779, an American military garrison was established at West Point, near the present-day village of Highland Falls, New York. The fortifications included a 150-ton iron "Great Chain" strung across the Hudson to control river traffic. Although the Great Chain was never tested by the British fleet, the garrison nearly fell into British hands toward the end of the conflict (USMA 2009). In 1780, Benedict Arnold was given commend of West Point. Arnold's attempt to pass detailed plans of the fortifications to the British was discovered, and Arnold narrowly escaped down the Hudson on a British sloop. Today, the garrison at West Point is home to the U.S. Military Academy, and is the oldest continuously occupied military outpost in the United States (USMA 2009).

A critical American victory took place upriver from West Point near Albany, New York. In 1777, American forces defeated Burgoyne's army at the Battle of Saratoga, giving the Americans an important strategic victory. Often called the turning point of the American Revolution, the victory at Saratoga also convinced the French to ally themselves with the Americans (NPS 2008). With the assistance of the French, the American forces were able to defeat the British at the Battle of Yorktown in 1781. The conflict was formally ended with signing of the Treaty of Paris in 1783.

The War of 1812 brought renewed conflict to the Champlain Valley as British and American forces again sought control of Lake Champlain. The defeat of the British Royal Navy in 1814 essentially ended the era of naval fleets on the lake and brought a sustained peace to the region (LCMM 2009d).

The 19th century was characterized by increased economic growth throughout the region. While raw materials such as timber, potash, and iron were becoming economically important, growth in the Champlain Valley was complicated by the difficulty in transporting raw goods and bulk materials south to processing and manufacturing centers (LCMM 2009e). The construction of the Champlain Canal between 1817 and 1823 provided a vital link between communities in the north and manufacturing centers along the Hudson River and the Atlantic seaboard (HAA, Inc. 2009a). The canal underwent several realignments and improvements throughout the 1800s to accommodate increased traffic and larger vessels. Construction of railroads in

eastern New York State also spurred growth in the small communities along the way. Many of these railroad hamlets are intersected by the Project.

Brick manufacturing, quarrying, iron smelting, and ice cutting became important industrial activities along the Hudson River Valley during the 19th century (Pasquariello and Loorya 2006). The growth of the railroads decreased the significance of the canal system, but brought new economic benefits to the region. Although the northern sections of Manhattan had remained sparsely populated and primarily agrarian throughout the 18th century, the influx of immigrants into the New York City region provided an important stimulus for the growth of the city during the 19th century. Commercial shipping and manufacturing supported New York City's rise as a regional and national economic center. Similar activities along the coast of Long Island Sound allowed for the development of cities such as Stamford, Connecticut. The firearms industry was an important factor in the growth of Bridgeport, Connecticut, which saw the development of the largest munitions factory in the world during the 1800s.

The Champlain Canal was replaced by the modern Barge Canal in the early 20th century. Although the Barge Canal was an attempt to revitalize the canal system, commercial traffic peaked in the 1890s and has continued to decrease. Today, Lake Champlain and the Champlain Valley remain popular recreation destinations. South of the canal, the central New York region is centered on the capital city of Albany. The Lower Hudson River Valley experienced increased suburban growth and development following World War II.

The New York City region continues to be one of the largest population centers in the United States, with an increasing dependence on the financial and service sectors. While the western section of the Long Island coastline is characterized by urban and suburban development associated with New York City, the eastern portion of the coast has become a tourist destination. Western sections of the Connecticut coastline along the proposed Project corridor have experienced booming suburban growth in the wake of a declining manufacturing base. Connecticut's largest city, Bridgeport, has experienced a decline in the manufacturing sector that has had a significant economic impact on the city and its environs.

DOCUMENTARY RESEARCH FOR KNOWN AND POTENTIAL CULTURAL RESOURCES

This section describes the known cultural resources in the vicinity of proposed route of the Champlain Hudson Power Express Project. Several state and private agencies were consulted to obtain cultural resource information, including the New York State Office of Parks, Recreation and Historic Preservation (OPRHP), the New York State Department of Environmental Conservation (DEC), the Lake Champlain Maritime Museum (LCMM), the City of New York Landmarks Preservation Commission (LPC), the U.S. Army Corps of Engineers (ACOE) New York District Archaeologist, the Office of the Connecticut State Archaeologist, and the Connecticut Department of Environmental Protection (DEP).

A distinction has been made in this report between Study or Search corridor and Project corridor. The site file search range varied from 1,000 to 2,000 feet depending on the location in the project area. This site file search coverage area is synonymous with the Study or Search corridor. Hundreds of archeological sites, both terrestrial and underwater, and National Register-listed or eligible properties are reported for the search corridor for this Project. The Project corridor, which represents the current proposed route of the cables, intersects only about 120 of those concerned sites or properties. Tables in this report have been organized to show both sites within the search corridor and those adjacent or within the Project corridor.

The OPRHP maintains an inventory of above-ground resources (e.g., buildings, structures, and districts), cultural resource studies and previously reported terrestrial and underwater archeological sites in New York State. The New York State Museum (NYSM) site files are also maintained by the OPRHP. These site files provide information on archaeological sites previously reported to the NYSM.

The DEC maintains a Benthic Mapping program for the Hudson River, which includes high resolution bathymetric surveys of the Hudson River Estuary. The high-resolution, 2-meter sun-illuminated bathymetric maps have been utilized to assist in identifying the locations of shipwreck sites in the Hudson River Estuary, which extends from Troy to New York City.

The LCMM maintains comprehensive underwater shipwreck site files for Lake Champlain. The LCMM provided information and locations of known shipwreck sites along the proposed route through Lake Champlain.

The LPC serves as New York City's expert agency for historic resources and is typically consulted prior to authorizing projects that require discretionary action by city agencies. Consequently, the LPC maintains an archival library that contains terrestrial archeological site information and data on above-ground resources, such as buildings, structures and landscapes that have been designated as New York City Landmarks and Landmark Districts. However, the LPC does not maintain data on underwater resource, and could not provide any cultural resource information relevant to submerged resources along the Project's proposed alignment. Therefore, the agency was could not provide any cultural resource information relevant to the pre-screening study. In the event that the Project design plans change to include and overland construction within New York City, then the LPC would take on an active role in the review process and their archival resources should be consulted.

HAA, Inc. consulted the ACOE New York District Archaeologist Lynn Rakos to inquire about known underwater sites in the New York City region of the Project corridor. No sites investigated by the ACOE were identified in the New York City area of the search corridor.

The Office of the Connecticut State Archaeologist maintains an inventory of terrestrial and underwater archeological sites in the state. HAA, Inc. consulted the Office of the Connecticut State Archaeologist to obtain information on known sites and previous surveys near the Connecticut portion of the Project's route, including the proposed Bridgeport converter station site.

The Connecticut DEP and Office of the Connecticut State Archaeologist maintain a GIS database of known shipwreck sites in the Long Island Sound along the coast of Connecticut. HAA, Inc. consulted the database to identify underwater sites in the search corridor in the Long Island Sound along Connecticut. This information will be compiled in the Phase IA report. Only one terrestrial site was identified in Bridgeport.

The results of this documentary research were compiled into four maps series that provide coverage of the Project's entire alignment, from the U.S./Canadian border to Long Island Sound. The maps and associated tables presented in this pre-screening report provide available information regarding:

- Identified terrestrial archaeological sites, including properties that are listed in or considered eligible for inclusion in the National Register as well as those sites that have been reported but have not been subjected to additional investigation or evaluation;
- Standing historic properties, including buildings, structures, districts and individual objects that have previously been listed in or evaluated as eligible for inclusion in the National Register;
- Shipwrecks, submerged sites or anomalies identified through existing NOAA charts, OPRHP and NYSM site files, studies conducted by the LCMM and bathymetric data provided by the NYSDEC; and
- The locations of previous cultural resource studies, including a summary of the results of these investigations. Tables presenting the cultural resource surveys are presented in Appendix 2.

Archeological Assessment Methodology

Terrestrial Archaeological Sites

In order to assist in developing the general archeological sensitivity of the Project, the archeological site files of the OPRHP, NYSM, and Office of the Connecticut State Archaeologist were examined for known terrestrial archeological resources. All of the previously reported archeological sites along the New York shoreline of Lake Champlain were mapped and noted for this study. This information is relevant as several sites, such as Fort Montgomery near the north end of the lake, are likely to have cultural deposits that extend

into the lake for some distance. Within the Champlain Canal, all the sites within 1,000 ft (305 m) of the canal were identified. This information is relevant for the short sections that transverse overland to avoid the canal locks. Along the proposed overland route from Fort Edwards to Coeymans, the Project will be placed within the railroad right-of-way for a distance of approximately 70 miles. As a result, the search corridor was narrowed to 500 feet (152 m) on either side of the railroad. Within the Hudson River, Spuyten Duyvil Creek, the Harlem River, and the East River, all of the known sites along the shoreline were identified from OPRHP and NYSM records.

Shipwrecks and Submerged Sites

OPRHP site files generally lack information concerning underwater resources. Therefore, HAA, Inc. consulted numerous other resources to identify underwater cultural resources in the Project corridor. These sources included the LCMM, the NYDEP, the Connecticut DEP, and the Office of the Connecticut State Archaeologist. Other sources consulted to locate and identify reported shipwrecks included NOAA navigation charts, USGS topographic quadrangles, academic reports, historic manuscripts and studies previously conducted along the waterways that comprise a majority of the Project's route. Based on the information obtained from these sources, HAA, Inc. determined that numerous shipwrecks and other submerged anomalies have been mapped along the proposed transmission line route or in the vicinity of the Project. A summary of data obtained from these sources is presented below.

- *Lake Champlain Maritime Museum* – The LCMM provided information regarding identified shipwrecks and submerged sites located on the bottom of Lake Champlain within a 1,000-foot-wide (305 meters) buffer of the proposed line. The data from the LCMM is based on a series of side-scan sonar studies conducted between 1984 and 2003. The LCMM was able to supplement the research conducted by HAA, Inc. and provide additional information regarding the location, nature, and character of shipwrecks and other submerged resources along the Lake Champlain portion of the Project. The LCMM has conducted extensive research to identify shipwrecks and other archaeological sites beneath the waters of Lake Champlain. The LCMM has been able to map a majority of the lake using side-scan sonar technology. Maritime archaeologists from the LCMM have conducted dives to investigate several sites in the lake, and have also undertaken field investigations using remote-operated vehicles (ROVs). In some cases, the LCMM has been able to obtain information sufficient for the SHPO to make an eligibility determination regarding many sites. However, many sites identified in the sonar data have not been verified, and the precise nature and integrity of these resources is unknown.

- *New York State Office of Parks, Recreation and Historic Preservation* – The OPRHP does not typically serve as a repository of data for underwater archeological sites. Where applicable, sites identified from OPRHP sources are included. Some of these sites have both terrestrial and underwater components.

- *New York State Department of Environmental Conservation* – HAA, Inc. also obtained data from the NYDEC associated with the Benthic Mapping Program for the Hudson River. The high-resolution, 2-meter sun-illuminated bathymetric maps generated by this survey were utilized to assist HAA, Inc. in identifying the locations of shipwreck sites and anomalies in the Hudson River Estuary, extending from Troy to New York City. The DEC collected this data primarily for use in planning and managing environmental resources. However, as an unintended result of the NYSDEC's study, the bathymetric data also revealed the locations of anomalies beneath the waters of the Lower Hudson River.

  The DEC has combined datasets derived from NOAA and the State University of New York at Stony Brook (SUNY Stony Brook). The NOAA bathymetry used by DEC was derived from twenty surveys containing 120,771 soundings. No surveys were omitted. The average separation between soundings was 51 meters (168 ft). The surveys dated from 1930 to 1945. The bathymetric data derived from SUNY Stony Brook was collected with a Simrad EM 3000 multibeam sonar system that resulted in multiple soundings of every square meter of the bottom. The multibeam bathymetry was collected between 1998 and 2003. DEC subsequently merged these datasets to create the

information utilized for the current study. The bathymetric data covers the whole Hudson River in areas deeper than 4 meters, or about two-thirds of the estuary.

The bathymetric images were used to identify anomalies in the river bottom. Anomalies were selected based on the size, shape, and location with the intention of choosing anomalies that were very likely to be shipwrecks or other underwater sites such as historic bridge structures or other cultural resources.

Although numerous anomalies have been recognized on the river bottom as potential shipwrecks and other cultural resources, there has been no attempt to systematically analyze the data. The LCMM was previously retained by SUNY Stony Brook to investigate a small subset of anomalies identified from the NYDEC data around the Kingston, New York, area between 2006 and 2008. Maritime archeologists dove at the locations of anomalies that resembled shipwrecks. In all, eleven different shipwrecks were positively identified from the LCMM study.

As part of this pre-screening study, all anomalies within the NYDEC bathymetric data that resembled shipwrecks were located with GIS, since the data could be geo-referenced. Where possible, this data was linked with OPRHP site files, or other sources of information, that revealed details about the type, date, size, and integrity of the shipwreck. The vast majority of anomalies in the data set have yet to positively identified through underwater reconnaissance. These anomalies may or may not be potential archeological sites, but, based on the existing information of sonar signatures, a portion of these are likely to be shipwrecks or other cultural resources.

- *Additional Sources* – HAA, Inc. also reviewed a variety of other sources to identify shipwrecks and other submerged cultural resources within the vicinity of the proposed Project. *The Sloops of the Hudson* (Verplanck and Collyer 1908), *Lost Voyages: Two Centuries of Shipwrecks in the Approaches to New York* (Sheard 1998), *Perils of the Port of New York: Maritime Disasters from Sandy Hook to Execution Rocks* (Rattray 1973), *Shipwrecks in New York Waters* (Morris and Quinn 1989), and *Shipwrecks of New York* (Gentile 1996) were consulted for other records of known shipwrecks. HAA, Inc. reviewed navigational charts published by the National Oceanic and Atmospheric Administration (NOAA) that contain information regarding the location of some known shipwrecks in navigable waters and United States Geographical Survey (USGS) topographic quadrangles that record the location of wrecks at or above the water surface in navigable waters.

Historic Buildings, Structures, and Districts Listed in or Eligible for Inclusion in the National Register

Several historic buildings, structures, and districts that are listed in the National Register are located along the proposed Project alignment (Appendix 4). HAA, Inc. reviewed several sources during the pre-screening study, including the OPRHP's GIS website, the computer database at the OPRHP, and the building-structure inventory of the OPRHP. A search of the State and National Register of Historic Places identified above-ground properties listed (NRL) or eligible (NRE) for listing on the State and National Registers of Historic Place within a 1,000-foot-(305 m) wide buffer of the proposed route and within a 500-foot buffer of the proposed overland bypass section of the Project. The locations of individual NHL, NRL, and NRE properties were confirmed, when feasible, by utilizing computer programs such as Microsoft Streets and Trips and Google Earth. The locations of identified NHL, NRL, and NRE properties are indicated on Maps 1d-85d. The tables in Appendix 4 outline a brief description of each NHL, NRL, and NRE property in the Project corridor.

Overview of Previously Reported Cultural Resources

Terrestrial Archaeological Sites

HAA, Inc. identified a total of 529 terrestrial archeological sites within the entire Project search corridor along the proposed route in the search of the archeological site files at the OPRHP and NYSM. The table in

Appendix 1 provides a brief description of each site. Approximately 48 sites are intersected by or are immediately adjacent to the proposed route. The remaining 481 sites are situated within the 1,000-2,000-foot (305-610 m) wide search corridor of the proposed route. Table 2 provides a breakdown of these sites by segment and location along the underwater route.

Table 2. Terrestrial Archeological Sites within the Search Corridor, Champlain-Hudson Power Express.

Location	Number of Sites
Lake Champlain	
Within or adjacent to route	3
Within 2,000-ft buffer	27
Outside of buffer.	85
Lake Champlain Total	115
Champlain Canal	
Within or adjacent to route	13
Within 1,000-ft buffer	0
Outside of buffer.	19
Champlain Canal Total	32
Overland	
Within or adjacent to route	24
Within 1,000-ft buffer	29
Outside of buffer.	19
Overland Total	72
Hudson River	
Within or adjacent to route	0
Within 2,000-ft buffer	56
Outside of buffer.	216
Hudson River Total	272
Harlem River, East River, Spuyten Duyvil	
Within or adjacent to route	8
Within 1,000-ft buffer.	20
Outside of buffer.	9
Harlem River Total	37
Long Island Sound	
Within or adjacent to route	0
Within 2,000-ft buffer.	1
Outside of buffer.	0
Long Island Sound Total	1
Terrestrial Archeological Sites Total	**529**

The 48 sites that are intercepted by or immediately adjacent to the proposed route include precontact,[1] historic, and mixed period sites, as well as one site unidentified in the site files. The historic sites range in size and complexity and include singular features such as foundations to entire farmsteads and fortifications.

Precontact period sites are concentrated in several areas along the proposed route, particularly along the major river valleys. These include the vicinity of Whitehall, Putnam, and Dresden in Washington County.

[1] For the purposes of this summary, the precontact sites include all those with Native American materials that range from the Paleo-Indian period through the Contact period.

These resources include sites from the Archaic period through historic Native American village sites and a Contact period French outpost with Native American triangular points.

The historic sites along Lake Champlain include Fort Montgomery and two components of the Pulpit Point site, a Contact-period French outpost on the west shore of the lake (Maps 1a-23a). Southward along the Project's alignment, historic sites are primarily located along riverbanks. These sites include saw and gristmill sites, a forge site, Champlain canal locks, a canal boat yard, a ferry landing, stone dock remains and Revolutionary War fortifications. Most of the historic sites are located in Washington County in the towns of Whitehall, Fort Ann, and Fort Edward (Maps 24a-29a). However, two NRL properties are archeological sites: Crown Point and Fort Montgomery, both Revolutionary War-era forts on Lake Champlain.

The site file search identified a precontact and historic Native American village and fields in New York, New York County, reported by archeologist Arthur C. Parker in the early 20th century.

Shipwrecks and Submerged Resources

In all, HAA, Inc. identified 548 underwater cultural resources in or immediately adjacent to the underwater sections of the Project's study corridor from the United States/Canada border to Bridgeport, Connecticut. Of these, 166 sites are known or suspected underwater archeological sites and 382 are anomalies or unconfirmed sites that could be either of cultural or natural origin. Only 40 of the total resources identified in the search corridor are actually intersected by the Project; some of those are identified simply as anomalies. The underwater resources identified in each section of the Project are outlined below. The tables in Appendix 3 provide a brief description of each of the sites. Maps 1c-85c depict the locations of the sites in the search and Project corridor.

Historic Buildings, Structures, and Districts Listed in or Eligible for Inclusion in the National Register

The search of the OPRHP inventory and of the National Register of Historic Places (NRHP) identified a total of 110 NRL properties and 112 NRE properties within the New York section of the study area. The 110 NRL properties include 15 National Historic Landmarks (NHL). These properties include two embayments in Essex County, three forts, the Hudson River Heritage Historic District in Dutchess and Columbia Counties, the United States Military Academy at West Point, a battlefield in Rockland County, the Old Croton Aqueduct in New York City, and historic structures associated with locally prominent citizens in Essex, Columbia, Ulster, and Westchester Counties. A majority of these properties are categorized as buildings. Eleven of the NRE properties are water features including bridges, and a seawall. A total of seven properties are listed on the National Register within the search corridor along the overland route. Two NRL properties are located in Northumberland, Saratoga County, both related to the Gansevoort family: the Gansevoort Mansion and the Dutch Reformed Church of Gansevoort. Of the NRL properties in the vicinity of the overland railroad route, one, the General Electric Research Laboratory in Schenectady is a National Historic Landmark. No NRE structures were noted in the Bridgeport section of the Project. Appendix 4 Table 1 lists the NRL properties within the search corridors of the proposed route and Appendix 1 Table 2 details the NRE properties along the proposed route.

Some of the NRL and NRE properties consist of historic districts containing between a few structures to about 100 structures. Thirteen NRL districts were identified within the study area. The 13 NRL districts are located in Essex and Westport in Essex County; New Baltimore, Coxsackie and Catskill in Greene County; Hudson and Clermont Estates in Columbia County; Tivoli, Annandale, Barrytown, Rhinecliff and Staatsburg (Hudson River Heritage District) in Dutchess and Columbia counties; Wappinger in Dutchess County; Newburgh and Highlands in Orange County; Philipstown-Garrison's Landing in Putnam County; and in Yonkers in Westchester County. Two NRL districts are intersected by the overland route: the Stockade Historic District and the Union Street Historic District, both in Schenectady, Schenectady County.

The 112 NRE properties within the vicinity of the Project consist mostly of residences, churches, commercial buildings, schools, industrial buildings, bridges, railroad depots, and parks. Municipalities with numerous

NRE properties include New York City, New York County (21 properties), Yonkers in Westchester County (12 properties), and Whitehall in Washington County (11 properties). There are several other communities with multiple eligible properties as well as individual properties scattered throughout the towns along the proposed route. The site file search identified 23 NRE properties within the search corridor along the overland route. Of these, 13 are located within the City of Schenectady in Schenectady County. These properties consist mostly of public buildings, commercial buildings, bridges and Erie Canal Crossings.

In all, 32 NRL and NRE properties were intersected by or lie immediately adjacent to the proposed route. These include 13 NRL properties, three of which are also NHL, and 19 NRE properties. The NRL properties include bridges, a fort, lighthouse, a Revolutionary War battlefield and the Old Champlain Canal. Six of those 13 properties are crossed by or immediately adjacent to the proposed overland railroad route. Of these, one property is NRL and four are NRE. The NRL property is the Stockade Historic District in Schenectady, Schenectady County. The NRE properties include a railroad bridge over the Hudson River in Washington County and three commercial buildings in the City of Schenectady, Schenectady County. The three NHL properties include Plattsburgh Bay (NRL-1) and Fort Ticonderoga (NRL-18) in Essex County and the High Bridge Aqueduct and Tower (NRL-128) which spans Bronx, Bronx County and Manhattan, New York County. The NRE properties include 13 bridges, a canoe club, a pumping station, a seawall and a house.

Previously Reported Cultural Resources within the Project's Vicinity

Lake Champlain

The Lake Champlain section of the transmission cable corridor begins at the U.S./Canadian border and extends south to the northern entrance of the Champlain Canal at Whitehall. The Lake Champlain section extends across a region that was a contested front during early military conflicts, including the French and Indian War and the American Revolution. Several well-known historic sites exist within the general vicinity of the Project's submarine route through Lake Champlain, including Fort Crown Point and Fort Ticonderoga. Shipwrecks associated with the military history of the region are also known to exist beneath the waters of Lake Champlain. Many of these resources have been mapped and studied through the ongoing efforts of the LCMM.

For this section of the Project, HAA, Inc. reviewed OPRHP and NYSM site files and other available documentation for a study area that included portions of Lake Champlain within the State of New York and the lake's immediate New York shoreline.

During the Project's siting phase, the LCMM also provided HAA, Inc. with supplementary information regarding shipwrecks and other submerged archaeological resources within Lake Champlain. The information provided by the LCMM included an area extending 1,000 feet (300 m) of either side of a proposed centerline for the Project and encompassing the length of the lake, from Rouses Point to Whitehall, New York. The LCMM identified 53 known underwater resources in this search corridor (Maps 1c-23c).

The areas near Fort Ticonderoga and near the south end of the lake near Whitehall are the two areas of greatest concentration of underwater sites along the Lake Champlain corridor. Thirteen sites are near the vicinity of Fort Ticonderoga, located in Essex County, New York. The sites lie in both Essex County, New York and Addison County, Vermont. Twelve of the sites were recommended as eligible for listing on the National Register. These sites include four canal boats, two railroad drawboats, a railroad trestle, a late 18th to early 19th-century scow, a French and Indian War-era British sloop *Boscawen*, and two French and Indian War-era French ships. One site in the vicinity of Fort Ticonderoga, the Great Bridge (LC 44), has been designated as an NHL. The proposed transmission cables intersect the Great Bridge site. This site comprises 21 timber and stone bridge caissons extending in a line across the bottom of the lake. The Great Bridge was built at the height of the American Revolution (c. 1777) to obstruct the navigation of the lake.

Based on the information provided by the LCMM and HAA, Inc., CHPEI was able to make minor adjustments to the Project's proposed alignment to avoid a majority of the historic properties, unevaluated resources, and reported shipwrecks along this section of the Project's route.

HAA, Inc. identified a total of 115 terrestrial archaeological sites within the Lake Champlain study area. A majority of these sites are located within the larger study area but will not be intersected by the proposed transmission cables. Only three of these 115 sites are within or adjacent to the proposed Project. Similarly, HAA, Inc. has identified 53 shipwrecks or submerged sites within the study area, of which eight are located along or immediately adjacent to the Project's alignment. Table 3 , below, summarizes the reported archaeological sites along this section of the Project's proposed route.

Table 3. Reported Resources within the Lake Champlain Study Area.

Resource Type	Identified resources within the Lake Champlain study area	Resources within or adjacent to the transmission cable corridor
Terrestrial archaeological sites	115	3
• *National Register listed or eligible*	*8*	*1*
• *Unevaluated*	*104*	*2*
• *Ineligible*	*3*	*0*
NRE, NRL, and NHL Buildings, Structures, and Districts	30	5
Shipwrecks/Submerged Sites	53	8
• *National Register listed or eligible*	*32*	*5*
• *Unevaluated*	*19*	*3*
• *Ineligible*	*2*	*0*

Champlain Canal

At the southern end of Lake Champlain, the proposed Project route approaches the Champlain Canal in Whitehall where Lock C12 is located. To the extent practicable, the submerged transmission cables will follow the Champlain Canal south from Whitehall to a point north of the canal's confluence with the Hudson River at Fort Edward. As described above, the Project will primarily be installed along the canal, but limited terrestrial bypasses will be necessary to circumvent Locks C12, C11, and C9 (there is no Lock C10).

The New York State Canal System provided an important impetus for community growth and economic development during the 19th and early 20th centuries. The Champlain Canal served as a critical link between the raw materials available in the Lake Champlain region and the downstate manufacturing and population centers. Originally developed as a towpath canal, the Champlain Canal underwent several improvements during the 19th and 20th centuries. The Project follows the alignment of the present-day "barge canal." that was constructed in the early 1900s. The SHPO has found that the New York State Canal System, including its towpath-era predecessors, to be eligible for inclusion in the National Register.

For this section of the Project, HAA, Inc. reviewed OPRHP and NYSM site files and other available documentation for a study area that included the entire width of the Champlain Canal and the canal's immediate shoreline. HAA, Inc. identified 32 previously reported archaeological sites within the Champlain Canal study area. Of these reported sites, 13 appear to intersect with the proposed transmission cable alignment. The National Register eligibility of these 13 sites has not been evaluated.

Sources did not identify any underwater resources in the section of the search corridor in the Champlain Canal from Whitehall to Fort Edward (Maps 24c-29c). There were however two underwater sites noted in the OPRHP site files in the Hudson River at the old outlet of the Champlain Canal, outside of the current Project area.

Information regarding the identified and archaeological sites that have previously been reported within Champlain Canal study area is summarized in Table 4, below.

Table 4. Reported Resources within the Champlain Canal Study Area.

Resource Type	Identified resources within the Champlain Canal study area	Resources within or immediately adjacent to the transmission cable corridor
Terrestrial archaeological sites	32	13
• *National Register listed or eligible*	1	*0*
• *Unevaluated*	31	*13*
• *Ineligible*	*0*	*0*
NRE, NRL, and NHL Buildings, Structures, and Districts	28	4*
Shipwrecks	0	0
• *National Register listed or eligible*	*0*	*0*
• *Unevaluated*	*0*	*0*
• *Ineligible*	*0*	*0*
* Bridges that cross over the barge canal.		

Overland Bypass Section

To avoid installing/burying HVDC cables within the Upper Hudson River PCB Dredging Project, the proposed Project route will exit the Champlain Canal north of Lock C8 near Durham Basin, where an existing railroad right-of-way is located immediately adjacent to the canal. Upon exiting the canal, the HVDC cables are buried within a 70-mile terrestrial railroad bypass route. South of Albany, the proposed Project route exits the railroad right-of-way and enters the Hudson River at the town of Coeymans, New York.

The terrestrial section of the Project is generally constrained by the existing railroad rights-of-way. As such, HAA, Inc. reviewed OPRHP and NYSM site files and other available documentation for a study area that included 500 feet on either side of the Project's centerline for this overland portion of the Project's route.

HAA, Inc. identified 72 archeological sites within the search corridor along the overland bypass section of the Project (Maps 29a-44a). Appendix 1 provides a brief description of these sites. Of these, the proposed route intersects or lies immediately adjacent to 24 reported sites. The 24 sites that are intercepted by or immediately adjacent to the proposed overland route include nine precontact sites, 11 historic sites, three sites that contain both precontact and historic material, and one Contact-period site. Twenty-nine of the remaining sites are within the 1,000-foot (305 m) wide search corridor of the proposed overland route.

The precontact sites are concentrated in several areas along the overland route, typically along the major river valleys, uplands and smaller creek drainages. These include the vicinity of Schenectady and Rotterdam in Schenectady County along the Mohawk River, and Guilderland in Albany County along Norman's Kill. Upland areas with a greater concentration of sites include Kingsbury and Fort Edward in Washington County as well as Saratoga Springs in Saratoga County. Many of these precontact sites were identified by Arthur C. Parker during the 1920s. These reports were based on finds made by residents and other archeologists and encompass a broad area where several like sites were identified. These boundaries are inherently vague and surveys will sometimes turn up no cultural materials regardless of their position in relation to the site limits. Nonetheless, segments of the Project area within these Parker sites are considered highly sensitive for precontact archeological deposits.

The eight historic sites tend to be located along early roads or near streams. Most of the historic sites along the overland route are located in the vicinity of Ballston, Saratoga Springs, and Northumberland in Saratoga County and Schenectady in Schenectady County. These include railroad stations, outbuildings associated with St. Clements College, the old Erie Canal and a knitting mill. The three multi-component sites reported to have both precontact and historic cultural material are comprised of Native American components as well as 19th and 20th -century historic deposits. The historic sites tend to well-delineated and avoidance of these sites

should be easily facilitated based on this information. The National Register eligibility of these 24 sites has not been evaluated.

The historic sites range in size and complexity and include singular features such as bridge abutments to entire farmsteads and industrial complexes.

Information regarding the identified archaeological sites and historic properties that have previously been reported within the study area is summarized in Table 5, below.

Table 5. Reported Resources within the Terrestrial Bypass Study Area.

Resource Type	Identified resources within the terrestrial section of the Overland study area	Resources within or immediately adjacent to the transmission cable corridor
Terrestrial archaeological sites	72	24
• *National Register listed or eligible*	*0*	*0*
• *Unevaluated*	*72*	*24*
• *Ineligible*	*0*	*0*
NRE, NRL, and NHL Buildings, Structures, and Districts	30	4
Shipwrecks	0	0
• *National Register listed or eligible*	*0*	*0*
• *Unevaluated*	*0*	*0*
• *Ineligible*	*0*	*0*

Hudson River Estuary: Coeymans to New York City

The transmission cables will enter the Hudson River in the Town of Coeymans, downstream from the City of Albany. South of Coeymans, the proposed alignment follows the Hudson River to the New York City metropolitan area. This section of the Project has a rich history associated with the prehistoric occupation of the region and the early colonial settlements that eventually gave rise to present-day New York City. Several nationally significant historic properties exist along this section of the Project, including the U.S. Military Academy at West Point and the Stony Point Battlefield.

For this section of the Project, HAA, Inc. reviewed OPRHP and NYSM site files and other available documentation for a study area that included the entire width of the Hudson River and the river's immediate shoreline. The NYSDEC also provided high resolution bathymetric data that was reviewed to identify the locations of potential shipwrecks along the Hudson River. The NYDEC's benthic mapping program provided bathymetric survey data for the entire river bottom from Coeymans to New York City. The bathymetric images revealed the presence of several anomalies on the river bottom that may indicate the presence of sunken vessels or other cultural deposits.

In total, 382 anomalies were identified in the bathymetric data covering the study area between Coeymans and the Spuyten Duyvil Creek (Maps 44c-70c). One-hundred and five known or suspected underwater sites also lie in the Project corridor from Coeymans to the Spuyten Duyvil Creek. Forty-four sites of these sites were reported in OPRHP site files. NOAA charts and USGS quadrangles identified an additional 57 of these known wreck sites. Three sites were reported in a cultural resources survey report and a HAA, Inc. employee identified one site from visual survey from a boat on the river. The sites and anomalies are clustered in areas downstate where there was considerable river activity in the past. The greatest concentrations of underwater resources were identified in the Hudson River along Westchester, Ulster, and Orange, Dutchess, Rockland, Bronx and Putnam Counties in New York. Upstate counties including Greene, Rensselaer, Albany, and Columbia have comparatively fewer sites and anomalies (Appendix 3).

Where possible, the information presented in the bathymetric images was also compared with other sources to corroborate the locations of shipwrecks and other underwater sites such as historic bridge structures. Based on the information compiled from the bathymetric images, minor adjustments to the Project's alignment were made to avoid, to the extent practicable, all shipwrecks and anomalies along the Hudson River section of the Project.

A total of 26 underwater resources are located within or immediately adjacent to the transmission cable corridor. The majority of these (n=24) represent anomalies that were identified from bathymetric data provided by the NYSDEC. A confirmed resource identified through background literature reviews is also located along the corridor. The proposed transmission cables also intersect with one reported shipwreck which has not been confirmed by maritime archaeologists (Table 6).

Table 6. Reported Resources within the Hudson River Estuary Study Area.

Resource Type	Identified resources within the submerged section of the Hudson River study area	Resources within or immediately adjacent to the transmission cable corridor
Terrestrial archaeological sites	272	0
• *National Register listed or eligible*	*14*	*0*
• *Unevaluated*	*255*	*0*
• *Ineligible*	*3*	*0*
NRE, NRL, and NHL Buildings, Structures, and Districts	90	6
Underwater Resources	474	26
• *Anomalies*	*374*	*24*
• *Confirmed*	*76*	*1*
• *Suspected*	*14*	*0*
• *Reported*	*10*	*1*

Spuyten Duyvil Creek, the Harlem River, the East River, and Long Island Sound

Two transmission cables will terminate approximately 318 miles south of the U.S./Canadian border at an HVDC converter station near Wells Avenue in Yonkers. The remaining two HVDC cables will continue along the Hudson River to the entrance of Spuyten Duyvil Creek. The cables will then follow a route through Spuyten Duyvil Creek, the Harlem River and the East River. From the East River, the transmission cables enter Long Island Sound and travel east across the New York/Connecticut state line towards the converter station in Bridgeport, Connecticut. AC cables connecting the converter station to the existing ConEd Sherman Creek/Academy substation will also follow a portion of this route, terminating at the existing substation near the intersection of West 201st Street and 9th Street in the Borough of Manhattan.

As the Project follows these waterways through the New York City metropolitan area, it traces a route through one of the most historically significant regions on the East Coast. Archaeological sites, buildings, structures and other resources known to exist within the Project's vicinity are associated with the prehistoric occupation and early European settlement in United States. Other resources reflect the military history and the diverse heritage of the New York City area, including Fort Schuyler, the Triborough Bridge and other remnants of the city's growth and development. The maritime history of the region is visible in its historic resources, including the Execution Rocks Lighthouse and the State University of New York Maritime College.

For this section of the Project, HAA, Inc. reviewed OPRHP and NYSM site files and other available documentation for a study area that included the entire width of Spuyten Duyvil Creek, the Harlem River and the East River, as well as the immediate shorelines of these waterways. The study area for the Long Island Sound portion included a 1,000-foot-wide buffer on either side of the Project's centerline.

In all, HAA, Inc. identified 40 confirmed shipwreck sites in the underwater Project corridor through Spuyten Duyvil Creek, the Harlem River, and the East River (Maps 70c-73c). Four of the sites were reported in OPRHP site files. Thirty-six sites were identified on NOAA charts. There were no sites in the Spuyten Duyvil Creek. One shipwreck was identified in the Harlem River near the mouth of the Bronx Kill. The remaining 39 sites were all located in the East River from the Ward's Island Bridge in Manhattan to the Throgs Neck Bridge. Although a number of the Parker sites appear to jut out into the water, none of the reported sites are expected to have intact components within the route. One modern vessel in Bronx County was noted in the OPRHP site files.

Twenty-five sites were identified in the Long Island Sound from the Throgs Neck Bridge in the Bronx to Bridgeport, Connecticut (Maps 73c-85c). One site was identified in OPRHP site files. NOAA charts identified 20 wreck sites. A cultural resources survey identified three sites in the Sound. One of the Long Island Sound sites was in identified on a NOAA chart on Connecticut waters off Westcott Cove in Fairfield County.

In total, eight unevaluated archaeological sites along this section of the Project's alignment are located within or immediately adjacent to the proposed transmission cable corridor. One anomaly and 5 confirmed shipwrecks are also located along the Project's route. The National Register eligibility of these resources have not been evaluated, and the exact character and integrity of these sites is unknown (Table 7).

Table 7. Reported Resources within the Spuyten Duyvil Creek, Harlem River, East River, and Long Island Sound Study Area.

Resource Type	Identified resources within the Spuyten Duyvil Creek, Harlem River, East River, and Long Island Sound study area	Resources within or immediately adjacent to the transmission cable corridor
Terrestrial archaeological sites	38	8
• *National Register listed or eligible*	*0*	*0*
• *Unevaluated*	*38*	*8*
• *Ineligible*	*0*	*0*
NRE, NRL, and NHL Buildings, Structures, and Districts	37	13
Shipwrecks	74	6
• *Anomalies*	*8*	*1*
• *Confirmed*	*65*	*5*
• *Suspected*	*1*	*0*
• *Reported*	*0*	*0*

Converter Station Locations

Yonkers, Westchester County, New York

Three 19th-century historic archeological sites are located within the 1000-foot (305 m) search radius surrounding the proposed Yonkers Converter Station (Map 69a). These include sunken vessels, the partial remains of a historic pier, and the foundation remains of a carpentry mill. The National Register status of these sites has not been determined. Two of these sites, Sunken Vessels and Peene's Pier, appear to be adjacent to the Project's route.

Five NRL properties, including one NHL, and 11 NRE properties are located within the 1000-foot (305 m) search radius surrounding the Yonkers converter station site (Map 69d). None of the NRL or NHL properties are within the APE of the converter station. The NRL properties include Phillipse Manor Hall, which is an NHL, the U. S. Post Office, the Yonkers Trolley Barn, and the Bell Place-Locust Avenue Historic District. Of the 11 NRE properties, four are intersected by or immediately adjacent to the proposed route to

the converter station. These include the Yonkers Canoe Club, the North Yonkers Pumping Station and two other buildings. The remaining NRE structures are commercial and residential buildings.

Bridgeport, Fairfield County, Connecticut

Site files held at the Office of the State Archaeologist in Storrs, Connecticut, revealed a single precontact archeological site located immediately adjacent to (but outside of) the 1000-foot (305 m) search radius surrounding the Bridgeport converter station location. The archeological site was documented in the 1920s as having contained shell middens and burials (Map 85a). Much of the area has been subsequently disturbed by construction and filling episodes.

HAA, Inc. identified one NRL property, the Tongue Point Lighthouse, within the 1,000-foot (305 m) search radius at the Bridgeport, Connecticut converter station (Map 85d).

Previous Cultural Resource Surveys

A search of previous cultural resource surveys on file at OPRHP identified 161 previous cultural resource surveys within the search corridor from Whitehall to Long Island Sound. Twenty-nine previous cultural resource surveys were identified within the overland route search corridor from Fort Edward to Coeymans (Maps 29b-44b).

Four previous surveys were completed in the converter station location in Yonkers, New York (Map 69b). Three previous surveys were completed in the converter station location in Bridgeport, Connecticut (Map 85b). See Appendix 2 for a summary of each previous survey. Previous survey locations for both routes are indicated on Maps 1b-85b.

National Register Listed/National Register Eligible (NRL/NRE) Properties & National Historic Landmarks (NHL)

Several historic buildings, structures, and districts that are listed in the National Register are located along the proposed Project alignment (Appendix 4). These historic properties include locks along the Champlain Canal, districts that encompass portions of the canal itself, and historic bridges along the Hudson River. These resources are all located along the proposed Project alignment, and they may potentially be directly affected by installation of the Project. The Project may also temporarily or permanently impact resources associated with National Heritage Areas and New York State Heritage Areas, including the Mohawk Valley Heritage Corridor and the "RiverSpark" (Hudson-Mohawk) Heritage Area. There are also a number of archeological sites and historic properties that have not been evaluated for inclusion on the National Register (Appendix 5).

A search of the State and National Register of Historic Places identified above-ground properties listed (NRL) or eligible (NRE) for listing on the State and National Registers of Historic Place within a 1,000-2,000 foot (305-610 m) wide buffer of the proposed submerged route and within a 500-feet buffer of the proposed overland route (Table 5). The term "properties" is meant to include structures, objects, buildings, and landscapes. A National Historic Landmark (NHL) is a property that has been determined by the U.S. Secretary of the Interior to be nationally significant in American history and culture. National Historic Landmarks differ from properties listed on the National Register of Historic Places in that properties listed on the National Register are primarily of State and local significance, while NHL properties are considered to be of exceptional value in representing or illustrating an important theme in the history of the nation. Sources examined during the pre-screening study include the OPRHP GIS website, the computer database at the OPRHP, and the building-structure inventory of the OPRHP. The locations of individual NHL, NRL, and NRE properties were confirmed, when feasible, by utilizing computer programs such as Microsoft Streets and Trips and Google Earth. The locations of identified NHL, NRL, and NRE properties are indicated on Maps 1d-85d. The tables in Appendix 4 outline a brief description of each NHL, NRL, and NRE property in the Project corridor.

Along Proposed Underwater Route: Lake Champlain to the Long Island Sound

The search of the OPRHP inventory and of the National Register of Historic Places (NRHP) identified a total of 110 NRL properties and 112 NRE properties along the proposed route in New York. The 110 NRL properties include 15 National Historic Landmarks (NHL). These properties include two embayments in Essex County, three forts, the Hudson River Heritage Historic District in Dutchess and Columbia Counties, the United States military academy at West Point, a battlefield in Rockland County, the Old Croton Aqueduct in New York City, and historic structures associated with locally prominent citizens in Essex, Columbia, Ulster, and Westchester Counties. A majority of these properties are categorized as buildings. However, two NRL properties are archeological sites. Eleven of the NRE properties are water features including bridges, and a seawall. Appendix 4 Table 1 lists the NRL properties within the search corridors of the proposed route and Appendix 1 Table 2 details the NRE properties along the proposed route.

Some of the NRL and NRE properties consist of historic districts containing between a few structures to about 100 structures. Thirteen NRL districts were identified along the proposed route. The 13 NRL districts are located in Essex and Westport in Essex County; New Baltimore, Coxsackie and Catskill in Greene County; Hudson and Clermont Estates in Columbia County; Tivoli, Annandale, Barrytown, Rhinecliff and Staatsburg (Hudson River Heritage District) in Dutchess and Columbia counties; Wappinger in Dutchess County; Newburgh and Highlands in Orange County; Philipstown-Garrison's Landing in Putnam County; and in Yonkers in Westchester County.

The 112 NRE properties within the search corridor along the proposed route consist mostly of residences, churches, commercial buildings, schools, industrial buildings, bridges, railroad depots, and parks. Municipalities with numerous NRE properties include New York City, New York County (21 properties), Yonkers in Westchester County (12 properties), and Whitehall in Washington County (11 properties). There are several other communities with multiple eligible properties as well as individual properties scattered throughout the towns along the proposed route.

In all, 32 NRL and NRE properties were intersected by or lie immediately adjacent to the proposed route. These include 13 NRL properties, three of which are also NHL, and 19 NRE properties. The NRL properties include bridges, a fort, lighthouse, a Revolutionary War battlefield and the Old Champlain Canal. The three NHL properties include Plattsburgh Bay (NRL-1) and Fort Ticonderoga (NRL-18) in Essex County and the High Bridge Aqueduct and Tower (NRL-128) which spans Bronx, Bronx County and Manhattan, New York County. The NRE properties include 13 bridges, a canoe club, a pumping station, a seawall and a house.

Along Proposed Overland Route: Fort Edward to Coeymans

A total of seven properties are listed on the National Register within the search corridor along the overland railroad right-of-way route. Two NRL properties are located in Northumberland, Saratoga County, both related to the Gansevoort family: the Gansevoort Mansion and the Dutch Reformed Church of Gansevoort. Of the NRL properties in the vicinity of the overland railroad route, one, the General Electric Research Laboratory in Schenectady is a National Historic Landmark. Two historic districts comprised of numerous buildings were also identified as being NRL: the Stockade Historic District and the Union Street Historic District, both in Schenectady, Schenectady County.

The site file search identified 23 NRE properties within the search corridor along the overland route. Of these, 13 are located within the City of Schenectady in Schenectady County. These properties consist mostly of public buildings, commercial buildings, bridges and Erie Canal Crossings.

A total of six properties either listed on the NRHP or eligible for listing on the NRHP are crossed by or immediately adjacent to the proposed overland railroad route. Of these, two properties are NRL and four are NRE. The NRL properties are Saint James Episcopal Church in Troy, Rensselaer County and the Stockade Historic District in Schenectady, Schenectady County. The NRE properties include a railroad bridge over the

Hudson River in Washington County and three commercial buildings in the City of Schenectady, Schenectady County.

NATIONAL HERITAGE AREAS (NHA)

The National Park Service (NPS) has designated three areas in the Project corridor as National Heritage Areas (NHAs). National Heritage Areas are large-scale regions designated as having "nationally distinctive natural, cultural, historic, and scenic resources that, when linked together, tell a unique story about our country" (NPS 2010). There are 49 NHAs in the United States. They are intended to encourage historic preservation and facilitate an appreciation of the history and heritage of the region. NHAs are designated by United States Congress. They are not a unit of the NPS, nor are they on federally-owned or managed land. The areas are managed by state governments and private or non-profit organizations. The National Park Service provides an advisory role and limited technical, planning and financial assistance

Hudson River Valley National Heritage Area

The Hudson River Valley National Heritage Area encompasses the counties of Albany, Rensselaer, Columbia, Greene, Ulster, Dutchess, Orange, Putnam, Westchester, and Rockland and the Village of Waterford in Saratoga County. Portions of Columbia, Greene, Dutchess and Rensselaer counties lying within the 22nd Congressional District are excluded. The mission of the Hudson River Valley National Heritage Area Program undertaking is to "recognize, preserve, protect and interpret the nationally significant cultural and natural resources of the Hudson River Valley for the benefit of the Nation" (HRVNHA 2010).

Champlain Valley National Heritage Partnership

The Champlain Valley National Heritage Partnership includes the linked navigable waterways and adjacent lands of Lake Champlain, Lake George, the Champlain Canal and portions of the Upper Hudson River in the States of Vermont and New York. Clinton, Essex, Warren, Washington, and Saratoga Counties in New York and Grand Isle, Franklin, Chittenden, Addison, Rutland, and Bennington Counties in Vermont are encompassed by the NHA. The Champlain Valley National Heritage Partnership is managed by the Lake Champlain Basin Program (LCBP). The mission of the LCBP is to "coordinate and fund efforts which benefit the Lake Champlain Basin's water quality, fisheries, wetlands, wildlife, recreation, and cultural resources" (LCBP 2010).

Erie Canalway National Heritage Corridor

The Erie Canalway National Heritage Corridor encompasses 524 miles of New York's state expansive canal system, including the Erie and Champlain Canals within the and intersecting the Project area. The Project crosses the old Erie Canal and Barge Canal (within route of Mohawk River) in Schenectady. The Champlain Canal is included in the heritage corridor within Washington County (ECNHC 2010).

ARCHEOLOGICAL POTENTIAL

Precontact Archeological Sensitivity

The precontact archeological sensitivity of the study area is based on the locations of reported precontact sites in proximity to the proposed route and stations, as well as an analysis of environmental factors, such as drainage, proximity to water, and topography. Areas considered less sensitive include those that have been previously disturbed, are excessively sloping or excessively wet. In general, there is a positive relationship between the location of precontact sites and areas that are dry, level and next to bodies of water and watercourses. Examples include lands near the confluence of a tributary with a larger stream, lake inlets and outlets, rapids and falls along rivers and variations along the shoreline, such as points of land and embayments. Rockfaces that could provide shelters are considered sensitive as potential rock shelters and chert outcrops in limestone formations are considered sensitive as potential quarries.

Historic Archeological Sensitivity

The historic archeological sensitivity of an area is generally based on the proximity to historic properties or early transportation networks, including features such as roadways and canals. Typically, developed areas have a greater potential for historic archeological sites than agricultural and rural areas. The potential for historic sites increases with proximity to early transportation networks.

Archeological Potential

Based on the results of the site file search and examination of the OPRHP GIS website, the proposed route and the overland route extend through areas of varying archeological sensitivities. Factors that reduce the sensitivity of specific areas include prior disturbance such as grading or cutting or numerous construction episodes. Prior disturbance can be documented through examination of existing conditions, construction or grading plans, and subsurface testing. Excessive slope and wetness also diminish an area's archeological potential. Characteristics of both sensitivity and potential differ widely along the Project's alignment.

Areas in the immediate proximity of previously reported archeological sites and other historic resources are more likely to contain archeological sites. Areas of land near water–such as the beginning and end of the proposed overland crossing where the Project exits and re-enters the Hudson River and the two converter station locations–have a higher potential for containing archeological sites.

There is lower archeological potential along the overland railroad right-of-way route where grading and filling has taken place in localized areas to provide a level area of the railroad tracks. This varies greatly over nearly 70 miles of overland route.

Most of the proposed transmission Project is underwater; therefore the greatest potential for intersecting archeological resources is along submarine sections of the Project's proposed route. Most of the underwater resources are clustered in the downstate areas of the Hudson River and near areas of considerable boat navigation in the past and present such as Fort Ticonderoga in Lake Champlain and along the East River. These areas have the highest potential for encountering additional unknown underwater sites.

RECOMMENDATIONS

Archeological Sites

In all, the proposed Project route intersects or lies immediately adjacent to 48 previously reported archeological sites. The 48 sites include precontact, historic, and mixed-period sites as well as one site unidentified in the site files.

The primary archeological issue of concern is the location of significant archeological resources within the along the Project's route. Significant resources are those that have been determined NRE or NRL. Generally, these would be archeological resources that maintain integrity and that have yielded, or may be likely to yield, information important in prehistory or history.

The exact placement of the transmission cables will be made during the detailed engineering phase of the Project. The proposed transmission cables should attempt to avoid sites identified in the pre-IA screening and during subsequent studies. In general, the submarine cables selected for this Project offer greater siting flexibility over traditional overhead transmission lines. CHPEI's preferred option is to avoid any impacts to archaeological or cultural resources to the fullest extent possible, regardless of a resource's National Register status. As such, CHPEI has attempted to avoid identified resources during the siting phase of the Project. However, engineering and environmental constraints may make avoidance infeasible or impracticable in certain areas. Not all of the sites identified in the study area or along the Project's alignment are considered significant resources (NRE or NRL) and therefore some consideration of the exact site information should be taken into account in areas where route planning faces numerous complications.

Any additional investigation of the Project corridor should focus on areas where the proposed transmission Project will be located in or adjacent to a known significant archeological site and in areas where no previous disturbance is documented. If the lines are required to intersect known archeological sites, mitigation measures will be developed in consultation with OPRHP, Indian tribes, and other parties, as appropriate. A qualified archeologist should conduct all of the work in compliance with *Standards for Cultural Resources Investigation and the Curation of Archaeological Collections in New York State* established by the New York Archeological Council and adopted by OPRHP.

Underwater Cultural Resources

HAA, Inc. identified 548 underwater cultural resources in the study area for the underwater Project corridor from the United States/Canada border to Bridgeport, Connecticut. Only 40 of the total resources identified in the search corridor are actually intersected by the Project; some of those are identified simply as anomalies. Despite the considerable efforts made identifying underwater resources in the Project corridor, the current study does not identify every shipwreck and underwater archeological site in the waterways included in the Project corridor. However, this study demonstrated that a large quantity of sites are located underwater and perhaps remain to be examined.

The proposed underwater transmission cables should attempt to avoid the locations of these resources. Given that only a portion of the underwater resources are confirmed shipwrecks or have been determined significant resources (NRE or NRL), some consideration of exact site information should be taken into account when planning the final route of the transmission cables. Professional underwater cultural resources surveys should be focused on any areas where the proposed transmission cables intersect or are immediately adjacent to reported underwater sites or anomalies. CHPEI proposes to conduct a side scan sonar assessment of the entire transmission cable route for engineering purposes. The side scan sonar assessment data may also help to identify additional underwater sites. CHPEI intends to coordinate additional maritime archaeological investigations with the SHPO, the LCMM, and other parties, as appropriate, to identify, evaluate, and mitigate adverse Project effects to significant underwater archaeological resources.

National Register of Historic Places

Above ground resources and historic districts that are eligible for or are listed on the National Register are mostly located in urban areas or areas where the proposed route or overland route are in proximity to early road networks. The potential for impacts to NRL or NRE properties is typically limited to the introduction of visual, atmospheric, or audible elements that diminish the integrity of the property's significant features. However, since the proposed transmission lines will be submerged underwater or buried underground for the entire route, there should be no potential visual impact on historic properties. Nonetheless, the proposed underwater and underground transmission cables should avoid the locations of these resources. Impacts to NRE or NRL properties and NHLs will require that mitigation measures be developed in consultation with OPRHP and other parties, as appropriate.

BIBLIOGRAPHY

Brennan, Louis A.
1991 The Lower Hudson: The Archaic. In *The Archaeology and Ethnohistory of the Lower Hudson Valley and Neighboring Regions: Essays in Honor of Louis A. Brennan*, Herbert C. Kraft, ed, pp. 11-22. Occasional Publications in Northeastern Anthropology, No. 11. Archaeological Services, Bethlehem, Connecticut.

Carr, K. and J. Adovasio
2002 Paleoindians in Pennsylvania. In *Ice Age People of Pennsylvania*, edited by K. Carr and James Adovasio, pp. 1-50. Recent Research in Pennsylvania Archaeology, No. 2, P. Raber, series editor, Pennsylvania Historical and Museum Commission, Harrisburg.

Erie Canalway National Heritage Corridor (ECNHC)
2010 Erie Canalway National Heritage Corridor Home Page. http://www.eriecanalway.org/index.htm Accessed April 2010.

Fagan, Brian
2000 *Ancient North America*. Thames and Hudson, London.

Funk, Robert E.
1976 *Recent Contributions to Hudson Valley Prehistory*. New York State Museum Memoir 22. The University of the State of New York, State Education Department, Albany, New York.
1991 Late Pleistocene and Early Holocene Human Adaptations. In *The Archaeology and Ethnohistory of the Lower Hudson Valley and Neighboring Regions: Essays in Honor of Louis A. Brennan*, Herbert C. Kraft, ed, pp. 49-68. Occasional Publications in Northeastern Anthropology, No. 11. Archaeological Services, Bethlehem, Connecticut.

Gentile, Gary
1996 *Shipwrecks of New York*. G. Gentile Productions, Philadelphia.

Grumet, Robert Steven
1995 *Historic Contact: Indian people and colonists in today's northeastern United States in the sixteenth through eighteenth centuries*. University of Oklahoma Press, Norman, Oklahoma.

Hartgen Archaeological Associates, Inc. (HAA, Inc.)
2009a *Hudson River PCB Superfund Project, Alternative, Water Supply Transmission Main, City of Troy, Rensselaer County, New York*. Submitted to Ecology & Environment, Inc. Copies available from the New York State Office of Parks, Recreation and Historic Preservation, Cohoes, New York.
2009b *Phase IA Literature Review and Sensitivity Assessment, Central Hudson Gas & Electric Corporation, Remediation at Former Gas Manufacturing Site, City of Newburgh, Orange County, New York*.

Hopkins, Griffith Morgan
1876 *City Atlas of Albany, New York*.. F. Bourquin., Philadelphia.

Hudson River Valley National Heritage Area (HRVNHA)
2010 About the heritage area. Hudson River Valley National Heritage Area, Albany, New York. <http://www.hudsonrivervalley.com/about.aspx> Accessed January 2010.

Kraft, Herbert C.
1991 European Contact and Trade in the Lower Hudson Valley. In *The Archaeology and Ethnohistory of the Lower Hudson Valley and Neighboring Regions: Essays in Honor of Louis A. Brennan*, Herbert C. Kraft, ed, pp. 193-222. Occasional Publications in Northeastern Anthropology, No. 11. Archaeological Services, Bethlehem, Connecticut.
2001 *The Lenape-Delaware Indian Heritage: 10,000 B.C. – A.D. 2000*. Lenape Books, n.p.

Lake Champlain Basin Program (LCBP)
2010 Champlain Valley National Heritage Partnership. Lake Champlain Basin Program, Grand Isle, Vermont. <http://www.champlainvalleynhp.org/index.htm> Accessed January 2010.

Lake Champlain Maritime Museum (LCMM).
2009a *History: Contact Period (1609-1664).* Lake Champlain Maritime Museum, Vergennes, Vermont. <http://www.lcmm.org/shipwrecks_history/history/history_contact.htm> Accessed November 2009.
2009b. *History: French and British Military Conflict.* Lake Champlain Maritime Museum, Vergennes, Vermont. <http://www.lcmm.org/shipwrecks_history/history/ history_french_ british_conflicts.htm> Accessed November 2009.
2009c. *History: Revolutionary War.* Lake Champlain Maritime Museum, Vergennes, Vermont. <http://www.lcmm.org/shipwrecks_history/history/history_revolution.htm> Accessed November 2009.
2009d. History: War of 1812. Lake Champlain Maritime Museum, Vergennes, Vermont. <http://www.lcmm.org/shipwrecks_history/history/history_war1812.htm> Accessed November 2009.
2009e. *History: Commercial Era (1823-1945).* Lake Champlain Maritime Museum, Vergennes, Vermont. <http://www.lcmm.org/shipwrecks_history/history/history_ commercial.htm> Accessed November 2009.

Laub, R.
2002 The Paleoindian Presence in the Northeast: A View from the Hiscock Site. In *Ice Age People of Pennsylvania*, edited by K. Carr and James Adovasio, pp. 10–122. Recent Research in Pennsylvania Archaeology, No. 2, P. Raber, series editor, Pennsylvania Historical and Museum Commission, Harrisburg.

Morris Paul C. and William P. Quinn
1989 Shipwrecks in New York Waters. Parnassus Press, Illinois.

New York Archaeological Council (NYAC)
1994 *Standards for Cultural Resource Investigations and the Curation of Archaeological Collections in New York State*. NYAC, n.p.

National Park Service (NPS)
2010 *National Heritage Areas.* National Park Service, National Heritage Areas Program Office, Washington, DC. <http://www.nps.gov/history/heritageareas/INDEX.htm> Accessed January 2010.

Office of Parks, Recreation and Historic Preservation (OPRHP)
2005 *New York State Historic Preservation Office (SHPO) Phase I Archaeological Report Requirements*. OPRHP, Waterford, New York.

Pasquariello, R., and A. Loorya
2006 *Phase IA Cultural Resources Survey for the Proposed M29 Transmission Line Project, Westchester, Bronx, and New York Counties, New York*. TRC Environmental Corporation. Prepared for the Consolidated Edison Company of New York, Inc. Copies available from TRC Environmental Corporation, Lyndhust, New Jersey.

Quiggle, R.J
2005 *Cordage and Basketry Impressions on Ceramics from the Strickler Site (36La03), Lancaster County, Pennsylvania.* Unpublished Master's thesis, Department of Anthropology, State University of New York at Binghamton.
2006 *Phase IA Documentary Study and Site History: Red Hook Water Pollution Control Plant System Upgrade, Brooklyn, Kings County, New York City, New York.* New York Power Authority. Submitted to the

City of New York Landmarks Preservation Commission. Copies available form the New York City Landmarks Preservation Commission, New York.

2008 *Niagara Power Project (FERC No. 2216) Draft Historic Properties Management Plan.* Prepared for the New York Power Authority, White Plains, New York.

Quinn, A., J. Adovasio, C. Pedler, and D. Pedler

1999 *Archaeological Investigation of the Elk Creek Site (36Er162), Girard Township, Erie County, Pennsylvania.* Mercyhurst Archaeological Institute Reports of Investigations No. 2. Mercyhurst Archaeological Institute, Erie, Pennsylvania.

Rattray, Jeannette Edwards

1973 *Perils of the Port of New York: Maritime Disasters from Sandy Hook to Execution Rocks.* Dodd, Mead, New York.

Ritchie, William

1965 *The Archaeology of New York State.* The Natural History Press, Garden City, New York.

Sheard, Bradley

1998 *Lost Voyages: Two Centuries of Shipwrecks in the Approaches to New York.* Aqua Quest Publications, Inc., New York.

United States Geological Survey (USGS)

Various years Topographic Quadrangles, New York, 7.5-Minute Series. USGS, Reston, Virginia.

United States Military Academy (USMA).

2009 A Brief History of the Academy. United States Military Academy, West Point, New York. <http://www.usma.edu/bicentennial/history> Accessed November 2009.

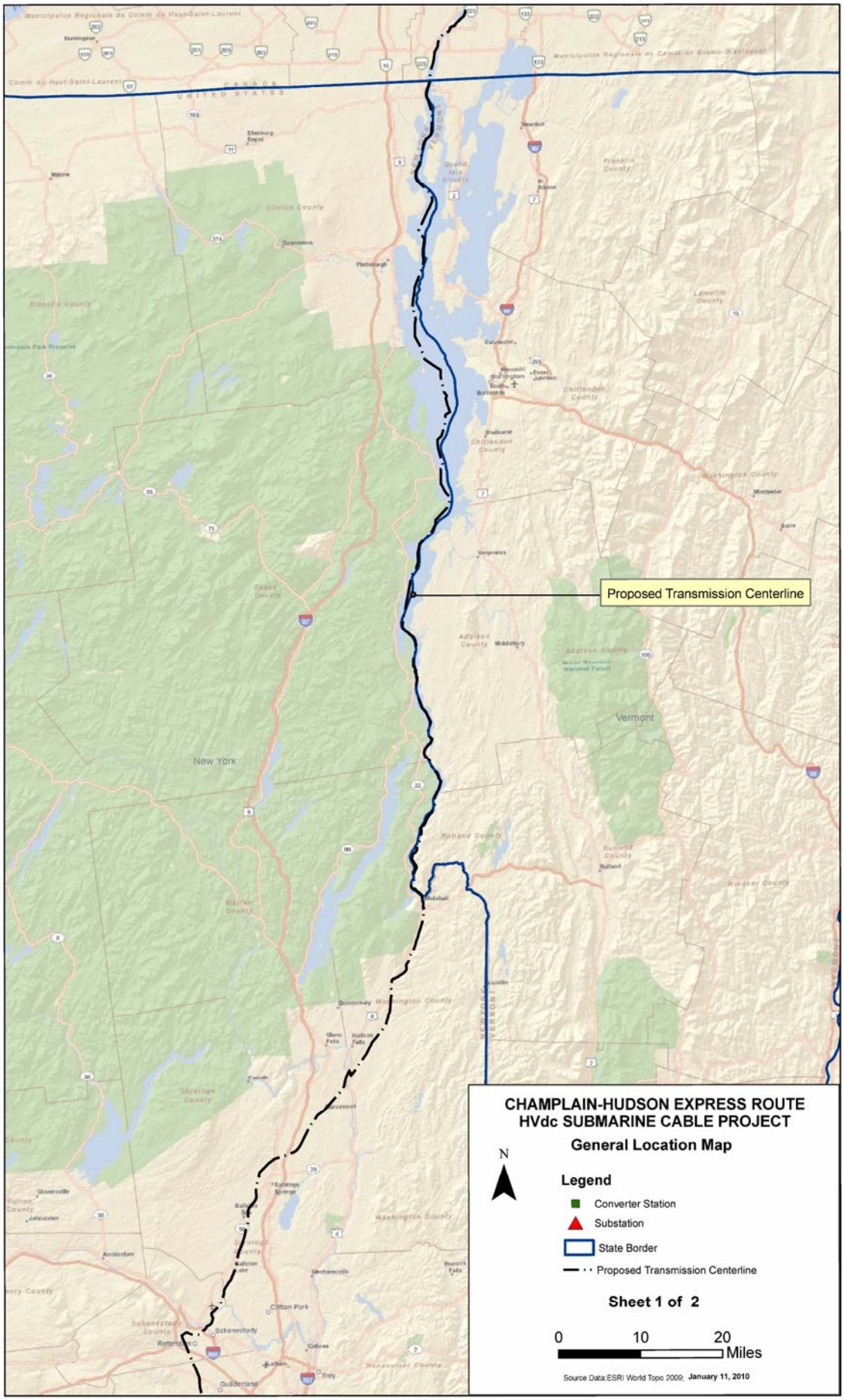
Verplanck, William E. and Moses W. Collyer

1908 *The Sloops of the Hudson.* Ira J. Freidman, Inc., Port Washington, Long Island, New York.

Wagner & Debes

1904 Map of Albany. In 1904 Albany City Directory, Charles Scribner Sons, New York..

MAPS



Map 1

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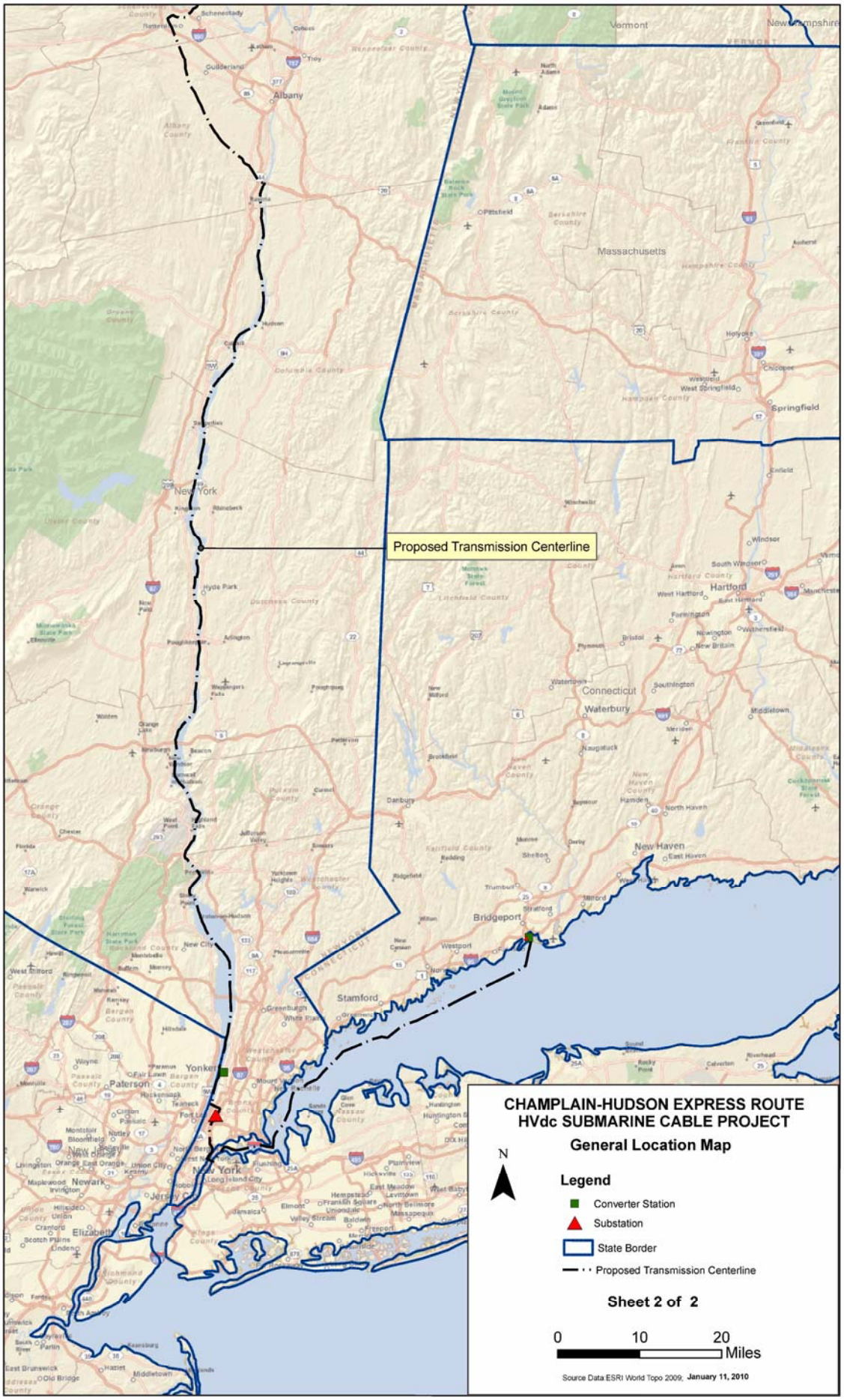
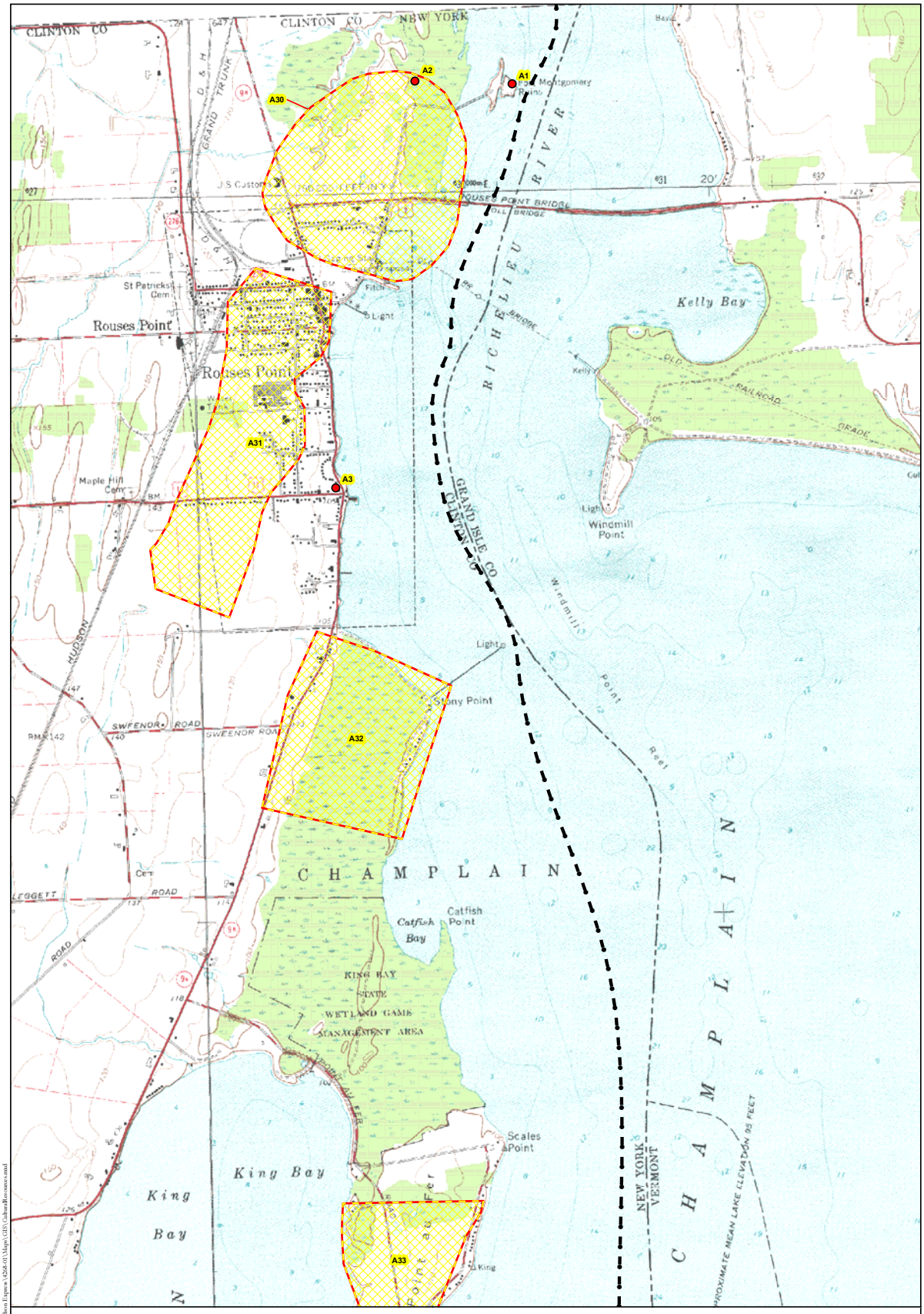

Proposed Transmission Centerline
Vermont
New Hampshire
Massachusetts
Connecticut
Albany
New York
Hartford
Springfield
Waterbury
New Haven
Bridgeport
Stamford
Yonkers
Paterson
Newark
Elizabeth
CHAMPLAIN-HUDSON EXPRESS ROUTE
HVdc SUBMARINE CABLE PROJECT
General Location Map
N
Legend
Converter Station
Substation
State Border
Proposed Transmission Centerline
Sheet 2 of 2
0
10
20
Miles
Source Data ESRI World Topo 2009; January 11, 2010

Map 2

PLEASE NOTE

ARCHEOLOGICAL SITES AND SHIPWRECK LOCATIONS ARE CONSIDERED PRIVLEDGED AND CONFIDENTIAL INFORMATION

MAPS WITH SITE LOCATIONS ARE NOT TO BE MADE AVAILABLE TO THE PUBLIC



Legend

- Archeological Site
- A## Archeological Site ID (See Appendix 1)
- Proposed Alignment
- Overland Study Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

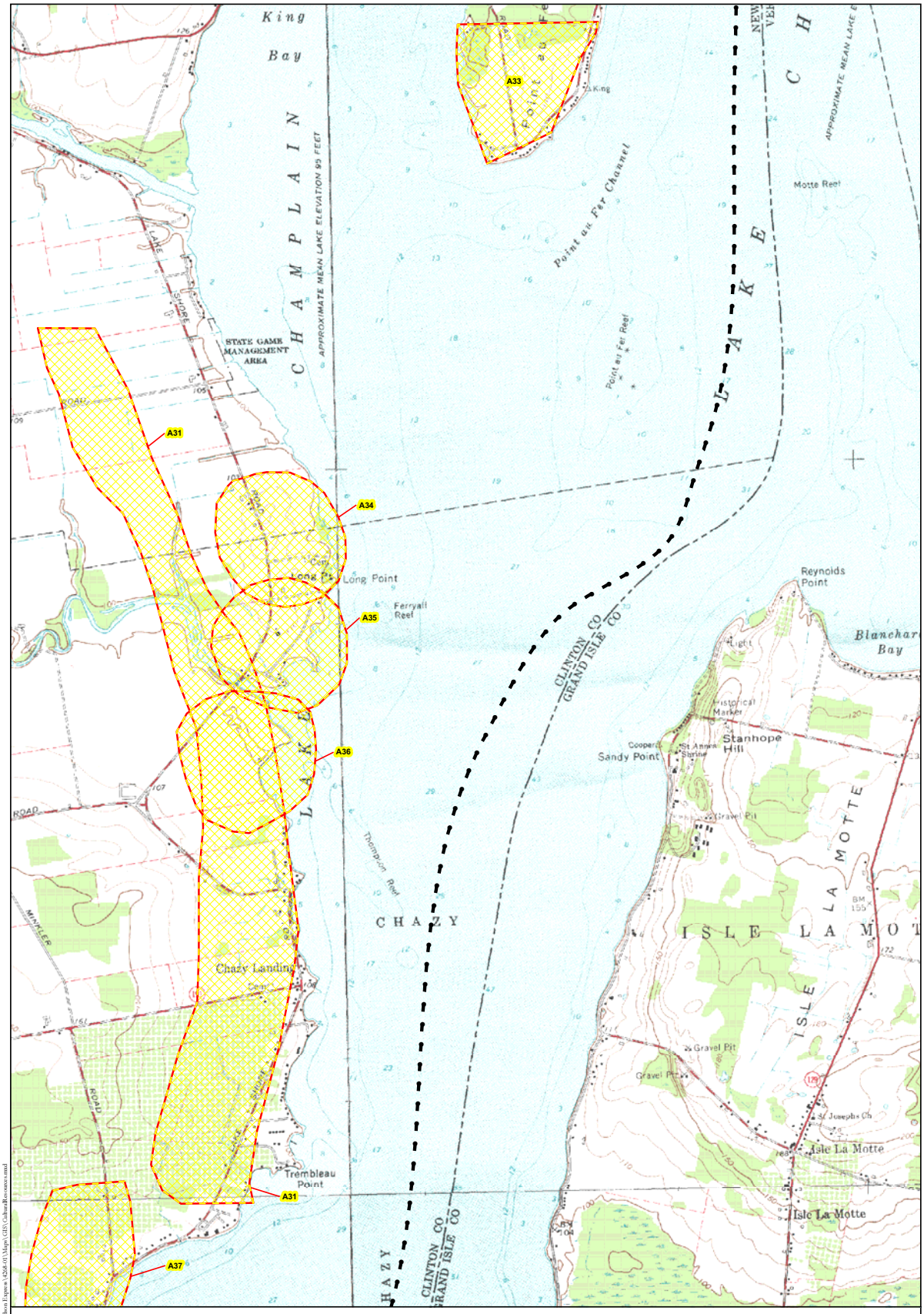
Note: Contour interval is 10 feet.

Archeological Site Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 01 a

DS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268-01\Maps\GIS\CulturalResources.mxd



Legend

- Archeological Site
- A## Archeological Site ID (See Appendix 1)
- Proposed Alignment
- Overland Study Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

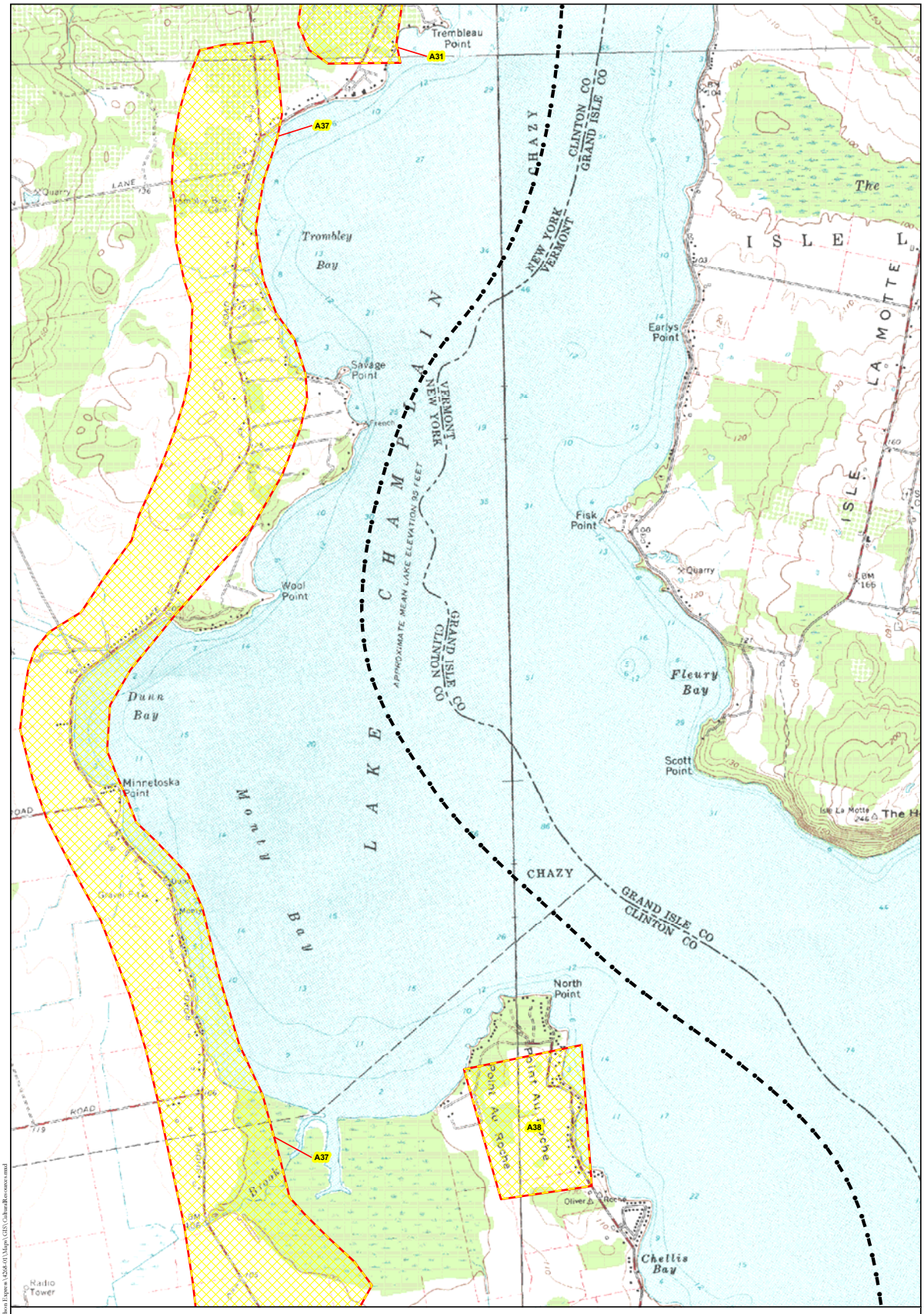
Note: Contour interval is 10 feet.

Archeological Site Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 02 a

DS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268-01\Maps\GIS\CulturalResources.mxd



Legend

- Archeological Site
- A## Archeological Site ID (See Appendix 1)
- Proposed Alignment
- Overland Study Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

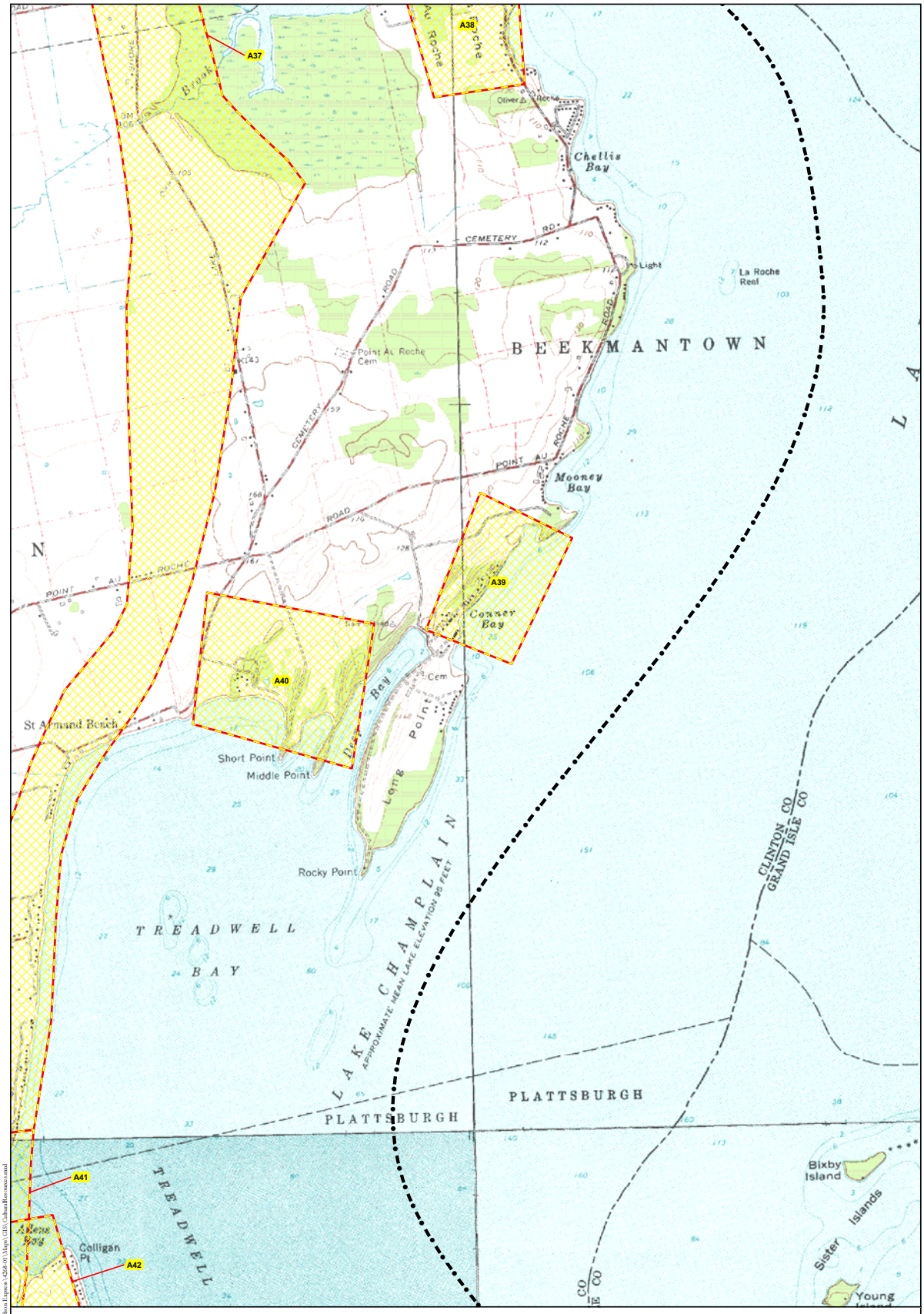
Note: Contour interval is 10 feet.

Archeological Site Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 03 a

DS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268-01\Maps\GIS\CulturalResources.mxd



Legend

- Archeological Site
- A## Archeological Site ID (See Appendix 1)
- Proposed Alignment
- Overland Study Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

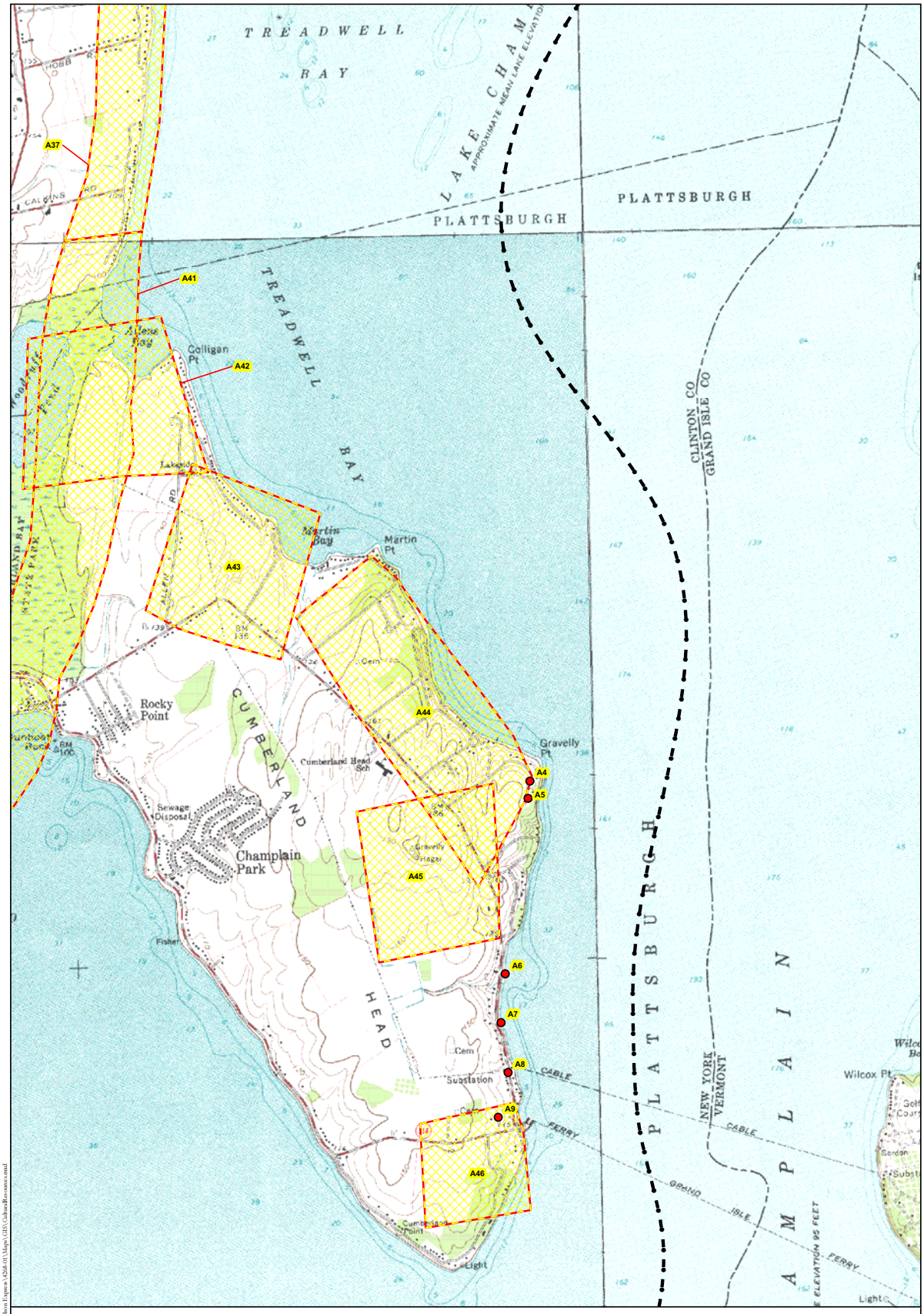
Note: Contour interval is 10 feet.

Archeological Site Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 04 a

DS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268-01\Maps\GIS\CultureResources.mxd



Legend

- Archeological Site
- A## Archeological Site ID (See Appendix 1)
- Proposed Alignment
- Overland Study Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

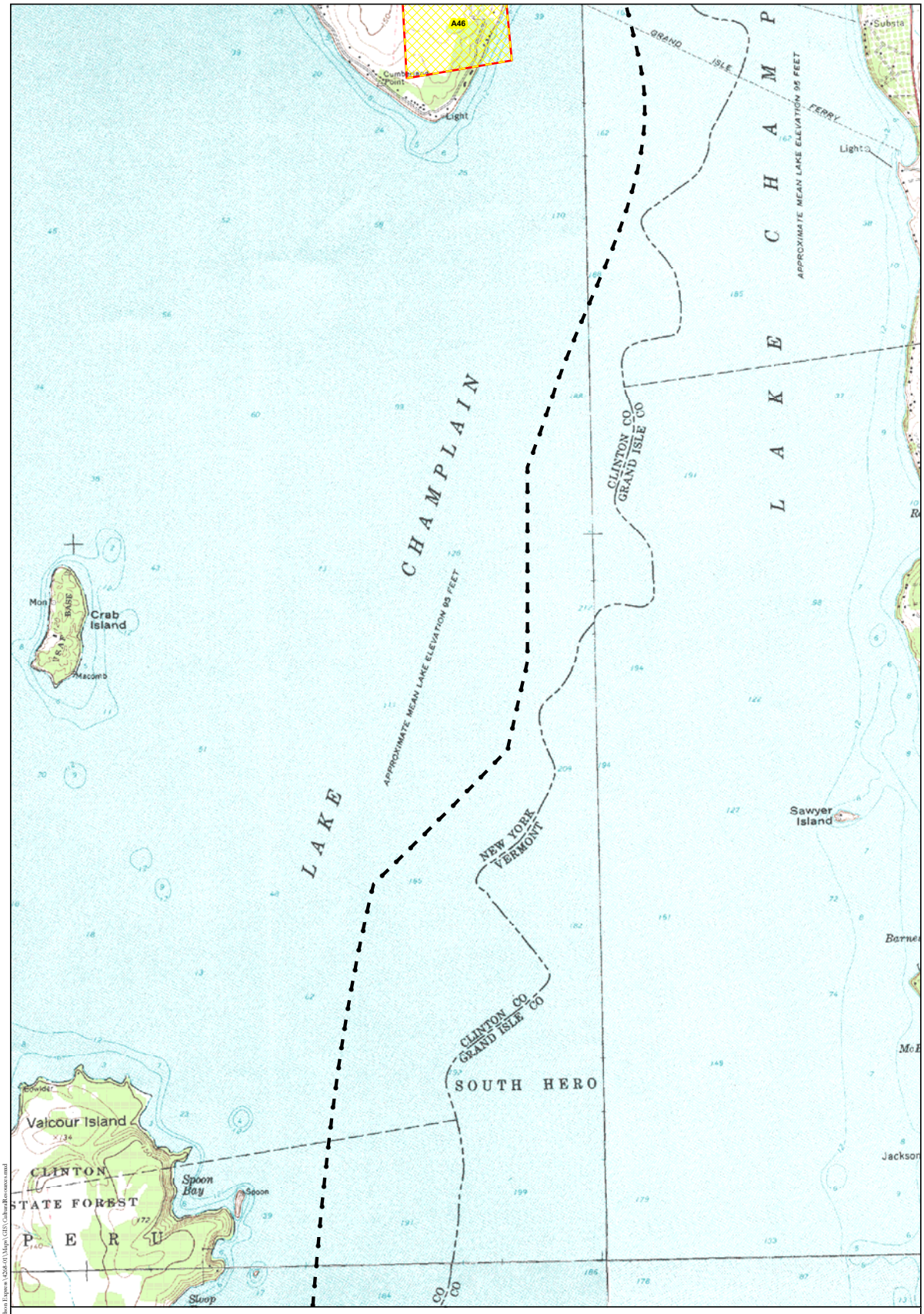
Note: Contour interval is 10 feet.

Archeological Site Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 05 a

JS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268.01\Maps\GIS\CulturalResources.mxd



Legend

- Archeological Site
- A## Archeological Site ID (See Appendix 1)
- Proposed Alignment
- Overland Study Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

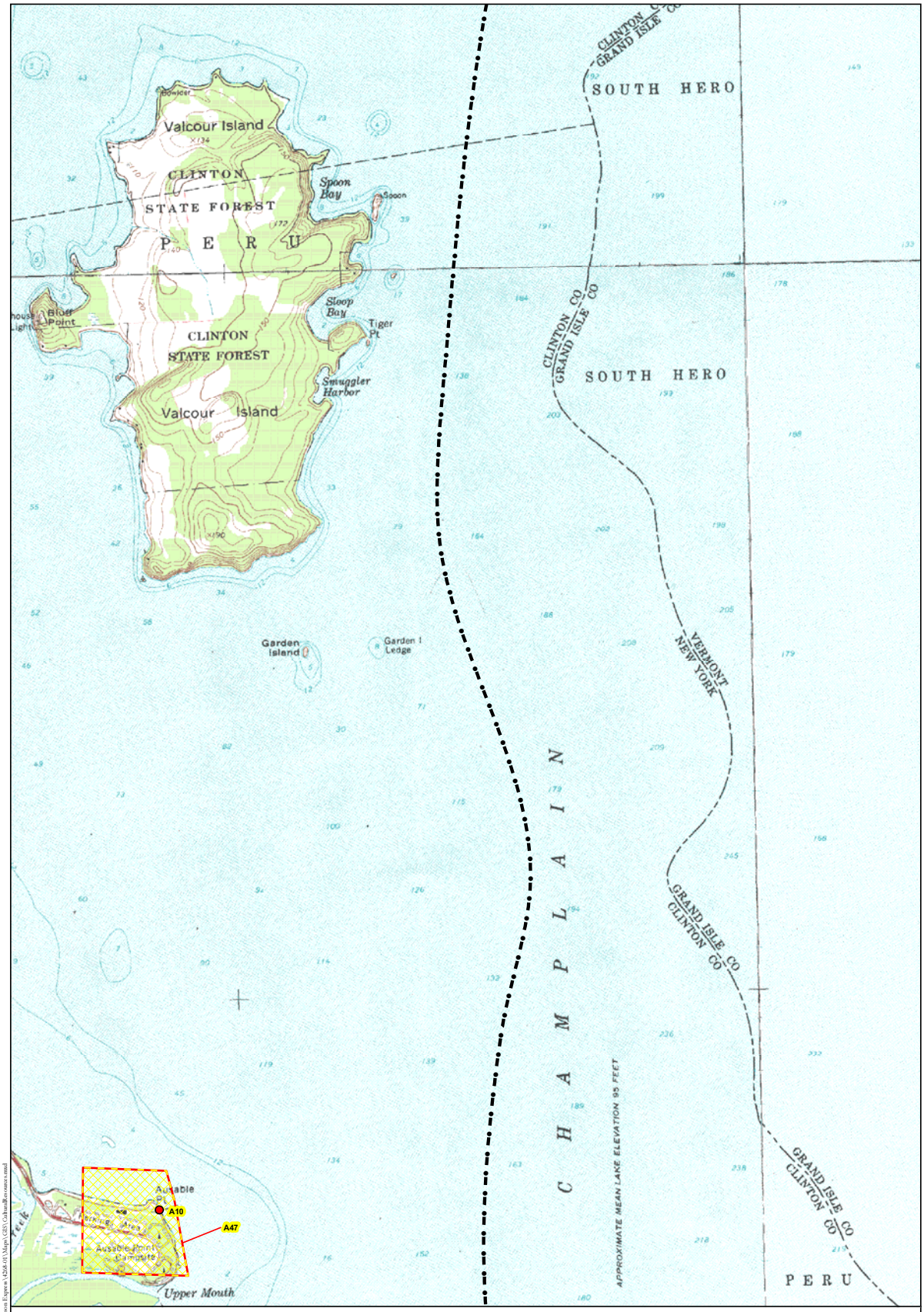
Note: Contour interval is 10 feet.

Archeological Site Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 06 a

JS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268.01\Maps\GIS\CulturalResources.mxd



Legend

- Archeological Site
- A## Archeological Site ID (See Appendix 1)
- Proposed Alignment
- Overland Study Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

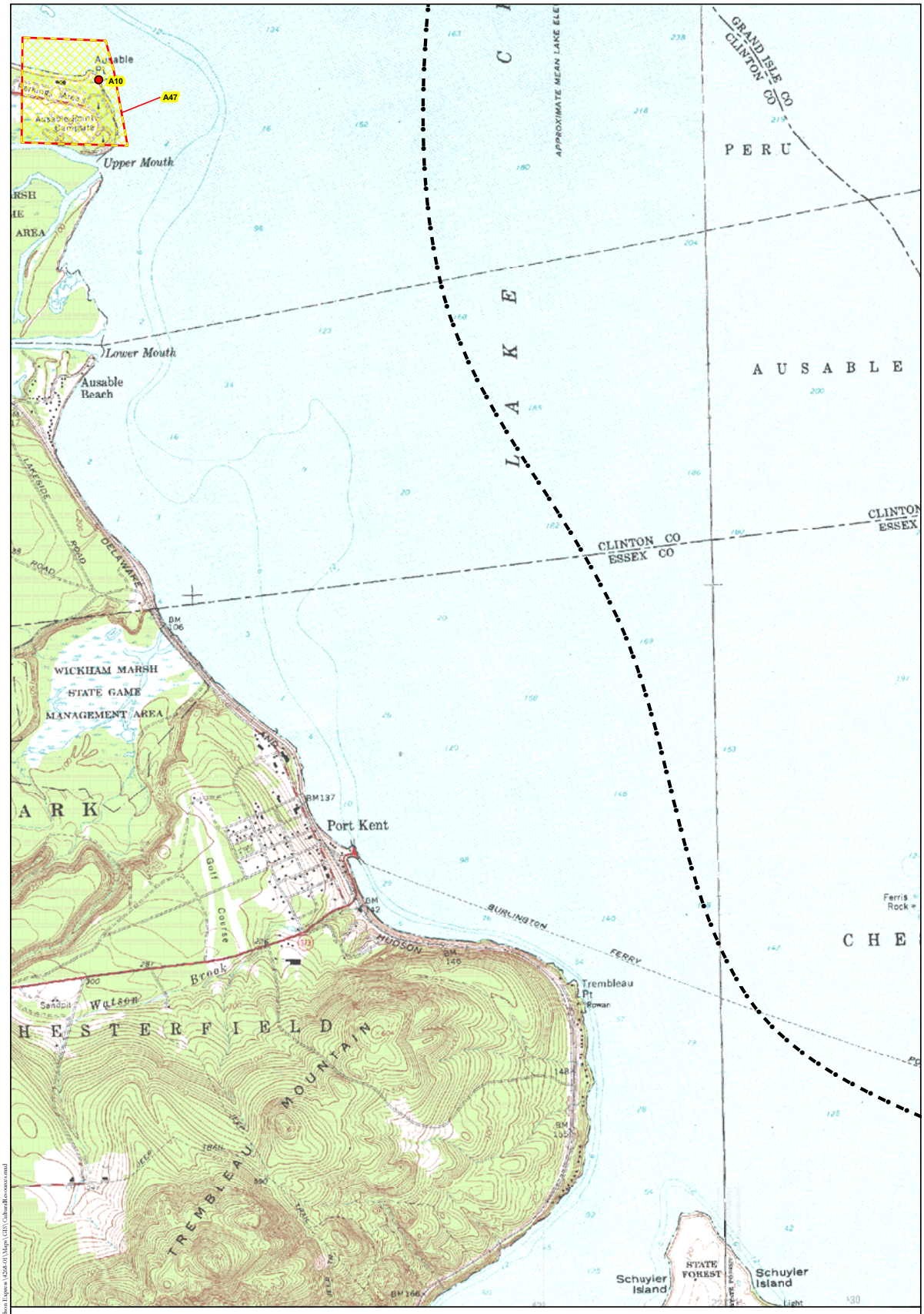
Note: Contour interval is 10 feet.

Archeological Site Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 07 a

JS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268.01\Maps\GIS\CulturalResources.mxd



Legend

- Archeological Site
- A## Archeological Site ID (See Appendix 1)
- Proposed Alignment
- Overland Study Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

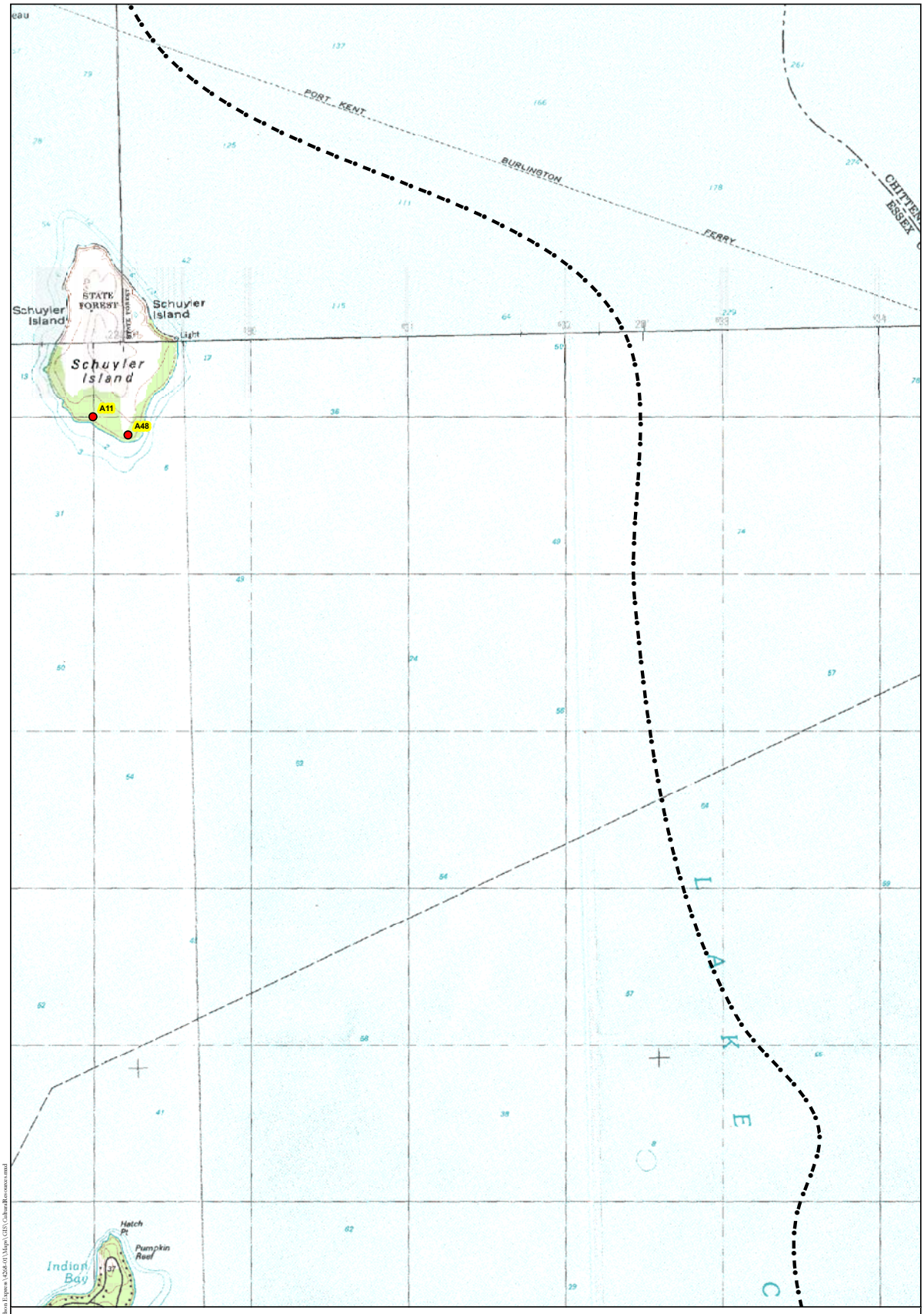
Note: Contour interval is 10 feet.

Archeological Site Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 08 a

DS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268-01\Maps\GIS\CulturalResources.mxd



Legend

- Archeological Site
- A## Archeological Site ID (See Appendix 1)
- Proposed Alignment
- Overland Study Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

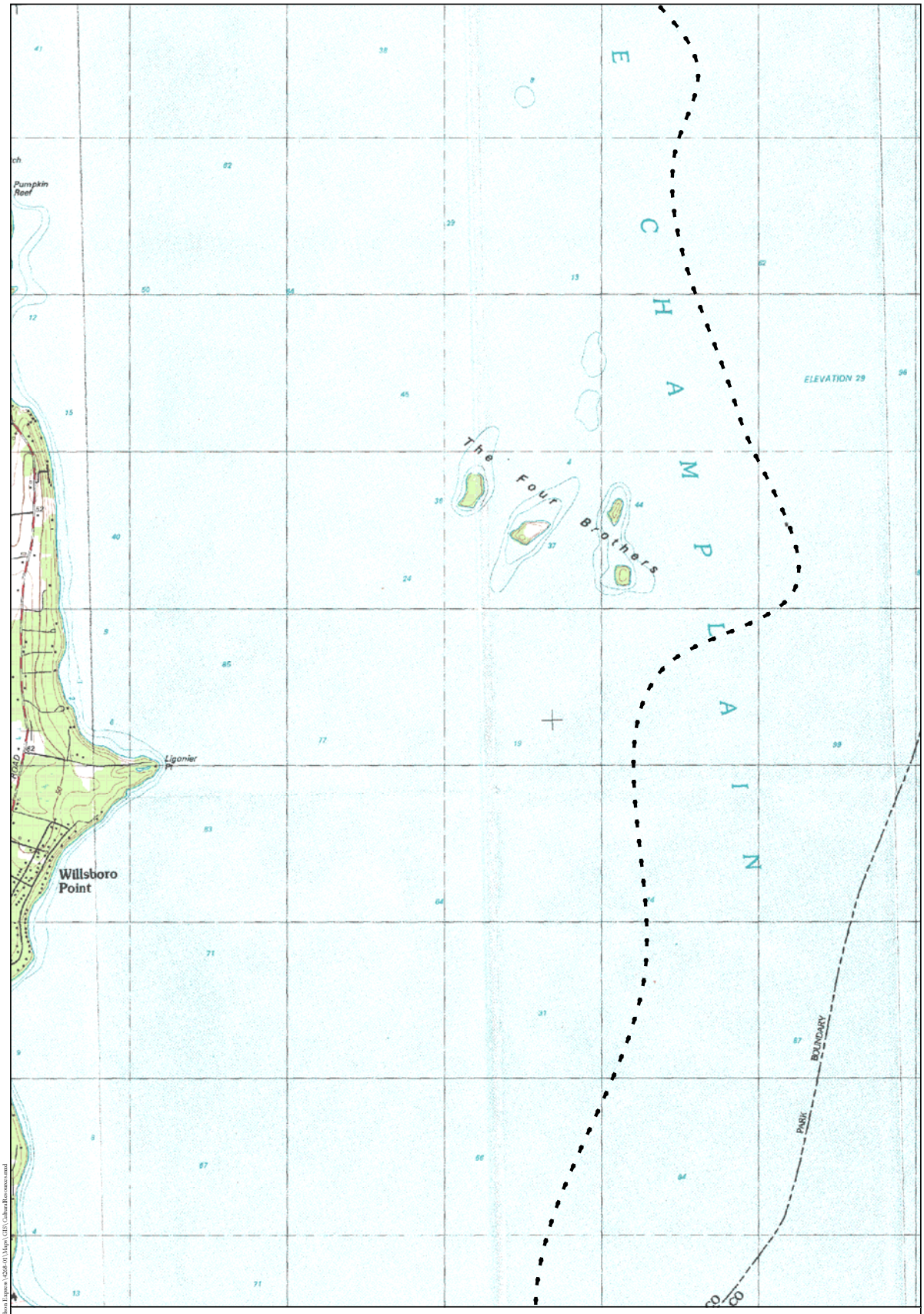
Note: Contour interval is 10 feet.

Archeological Site Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 09 a

JS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268-01\Maps\GIS\CulturalResources.mxd



Legend

- Archeological Site
- A## Archeological Site ID (See Appendix 1)
- Proposed Alignment
- Overland Study Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

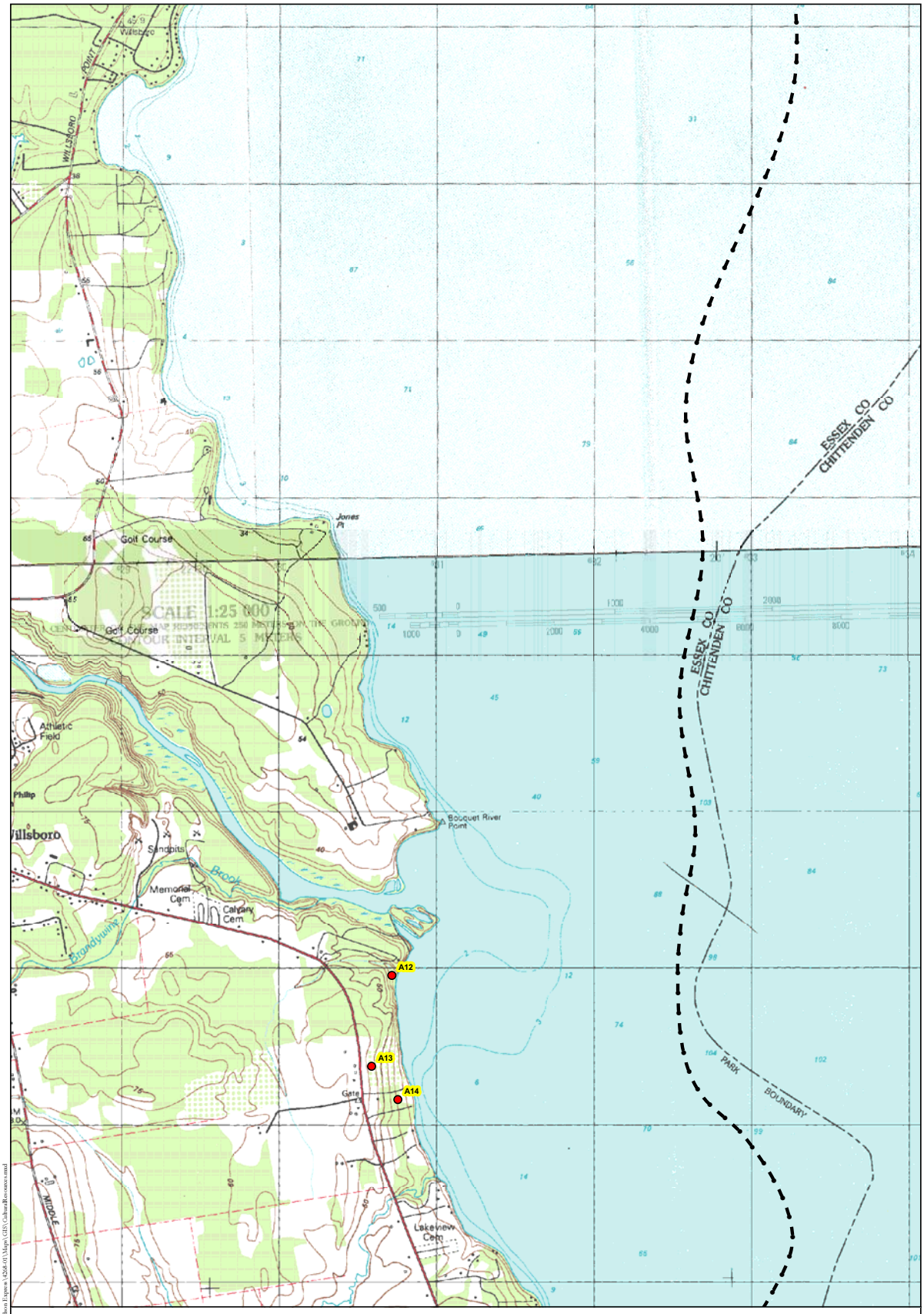
Note: Contour interval is 10 feet.

Archeological Site Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 10 a

JS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268-01\Maps\GIS\CulturalResources.mxd



Legend

- Archeological Site
- A## Archeological Site ID (See Appendix 1)
- Proposed Alignment
- Overland Study Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

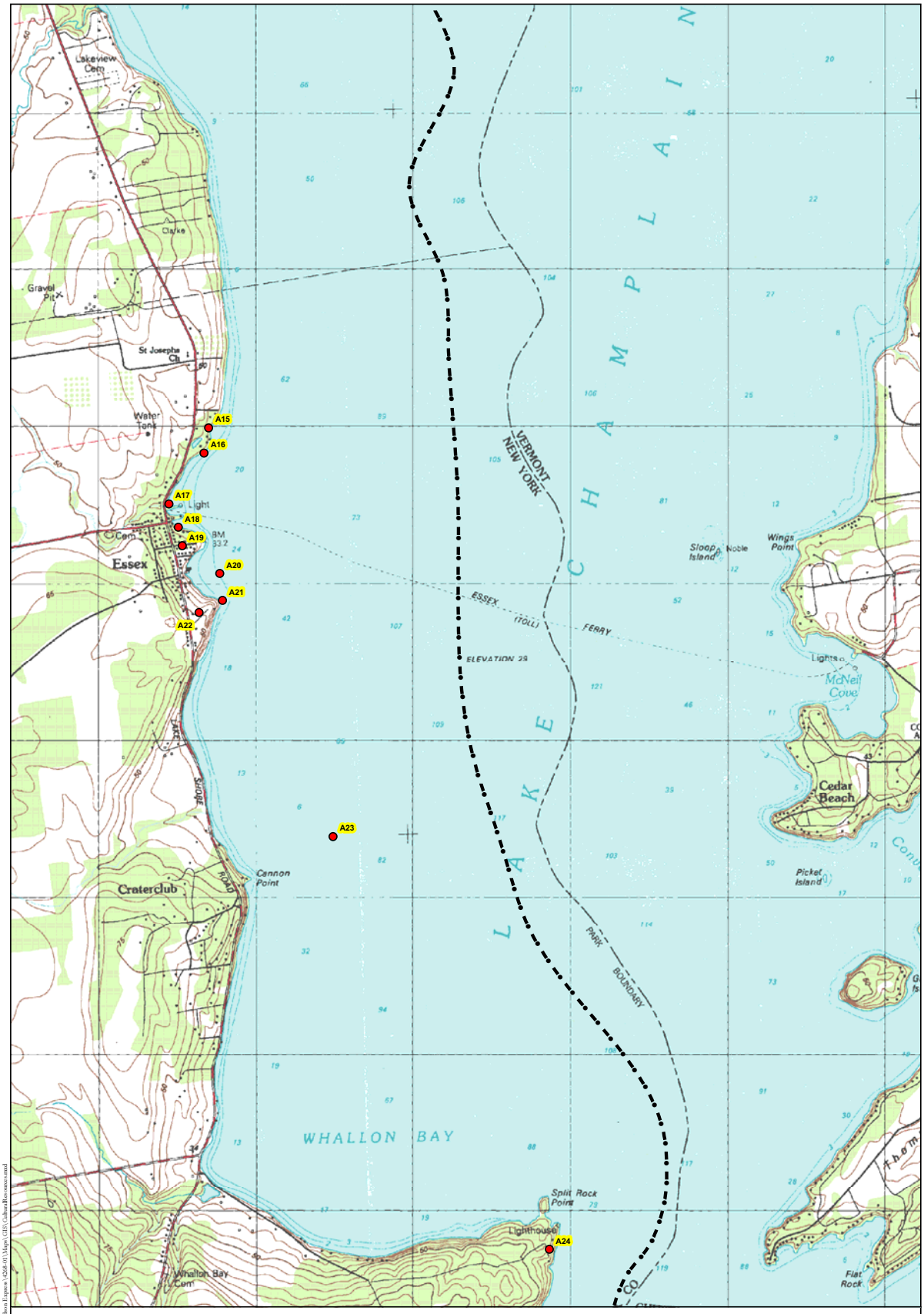
Note: Contour interval is 10 feet.

Archeological Site Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 11 a

DS February 16, 2010 R:\Active Projects\4268 Oswego-Hudson Express\4268.01\Maps\GIS\CulturalResources.mxd



Legend

- Archeological Site
- A## Archeological Site ID (See Appendix 1)
- Proposed Alignment
- Overland Study Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

Note: Contour interval is 10 feet.

Archeological Site Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 12 a

DS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268-01\Maps\GIS\CulturalResources.mxd

Legend

- Archeological Site
- A## Archeological Site ID (See Appendix 1)
- Proposed Alignment
- Overland Study Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

Note: Contour interval is 10 feet.

Archeological Site Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 13 a

DS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268-01\Maps\GIS\CulturalResources.mxd

Legend

- Archeological Site
- A## Archeological Site ID (See Appendix 1)
- Proposed Alignment
- Overland Study Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

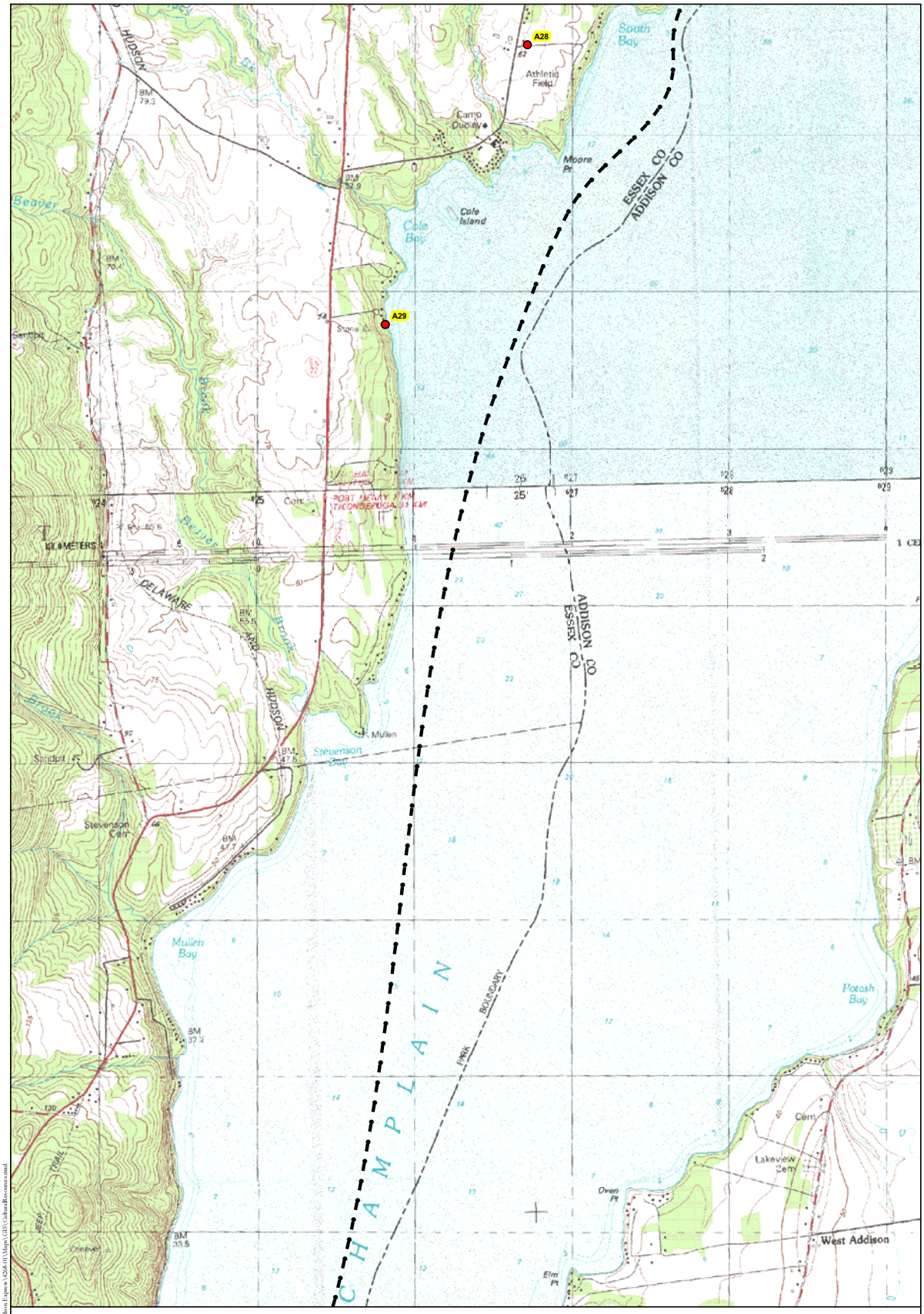
Note: Contour interval is 10 feet.

Archeological Site Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 14 a

JS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268-01\Maps\GIS\CulturalResources.mxd



Legend

- Archeological Site
- A## Archeological Site ID (See Appendix 1)
- Proposed Alignment
- Overland Study Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

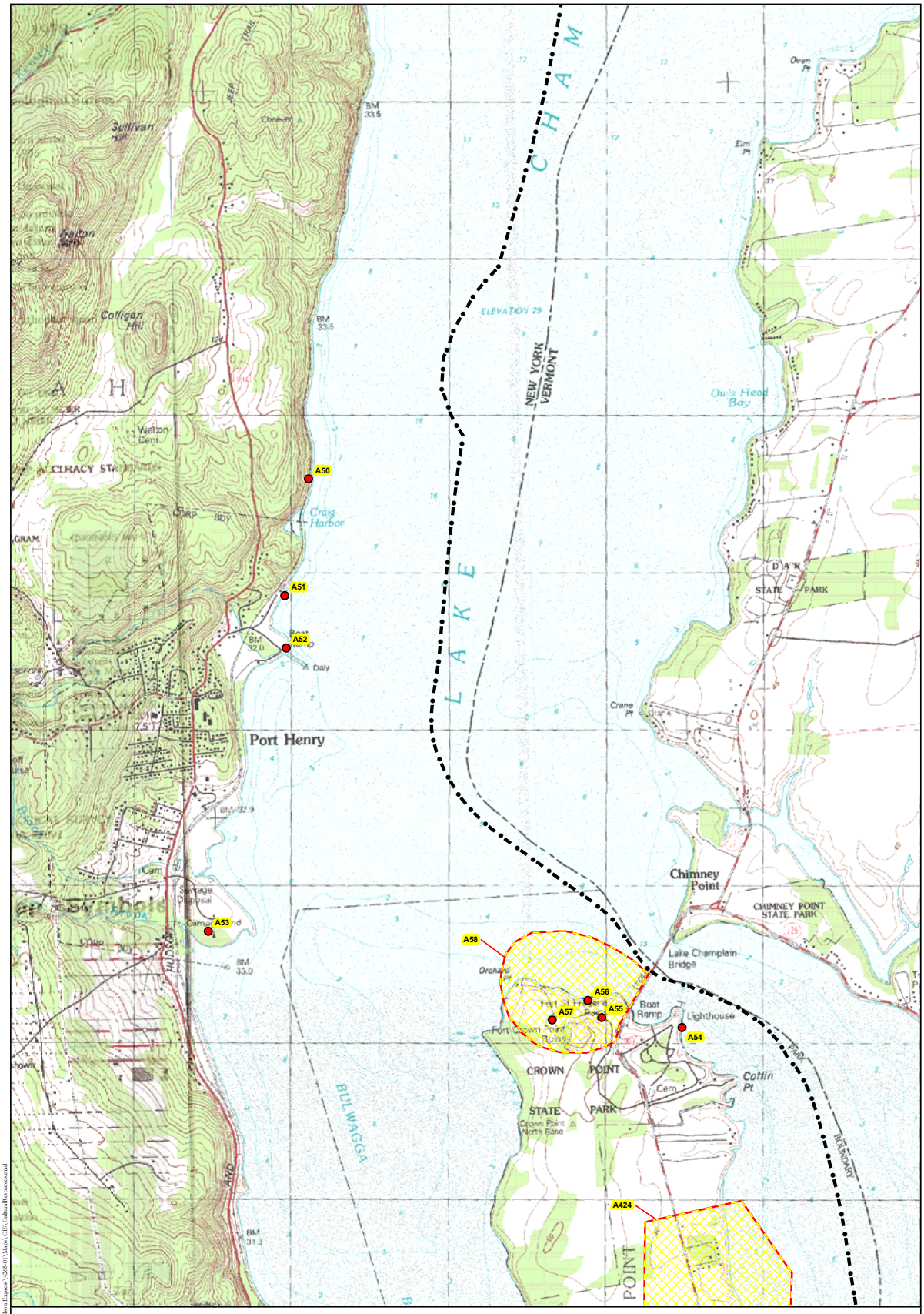
Note: Contour interval is 10 feet.

Archeological Site Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 15 a

DS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268.01\Maps\GIS\CulturalResources.mxd



Legend

- Archeological Site
- A## Archeological Site ID (See Appendix 1)
- Proposed Alignment
- Overland Study Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

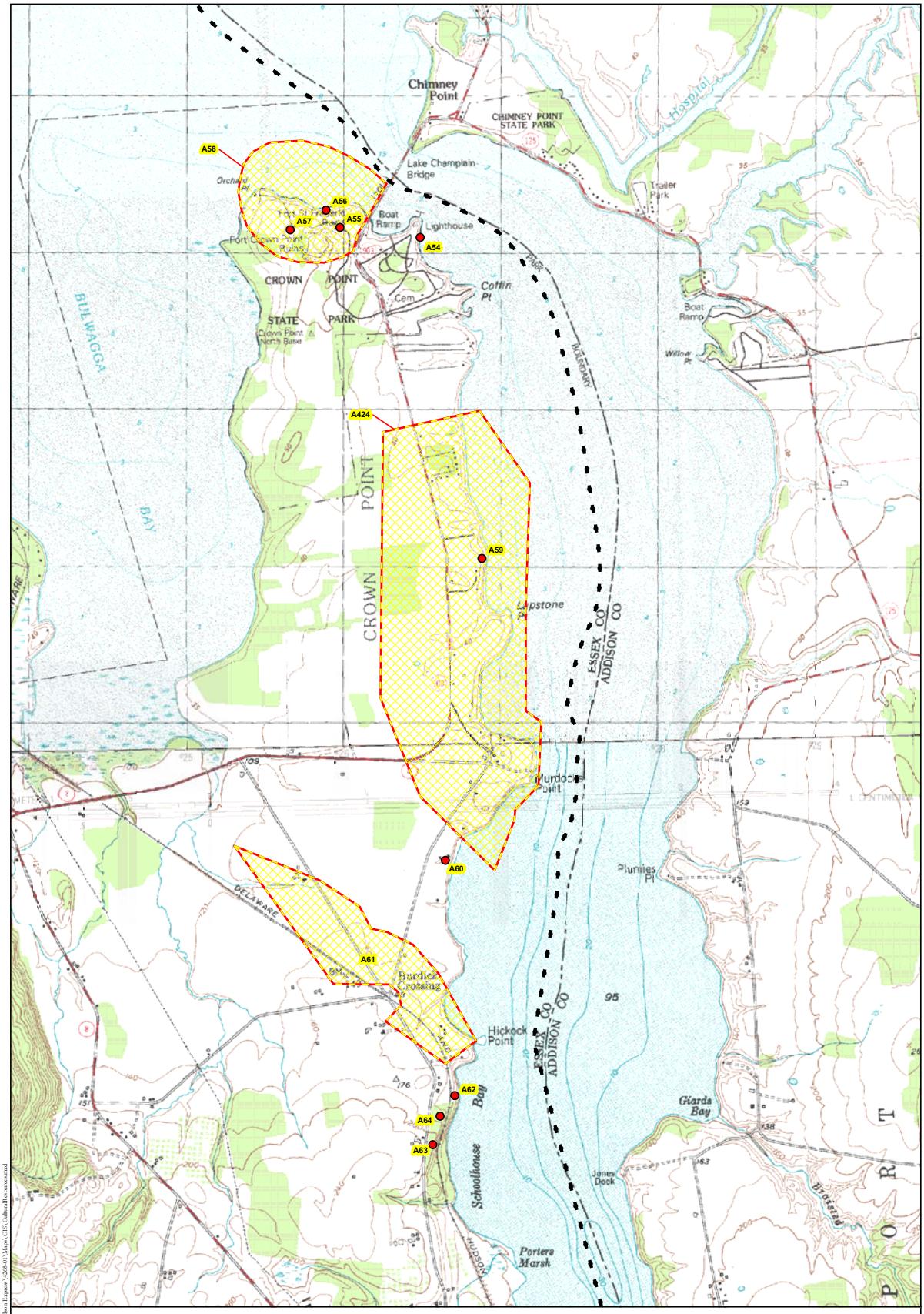
Note: Contour interval is 10 feet.

Archeological Site Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 16 a

DS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268-01\Maps\GIS\CulturalResources.mxd



Legend

- Archeological Site
- A## Archeological Site ID (See Appendix 1)
- Proposed Alignment
- Overland Study Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

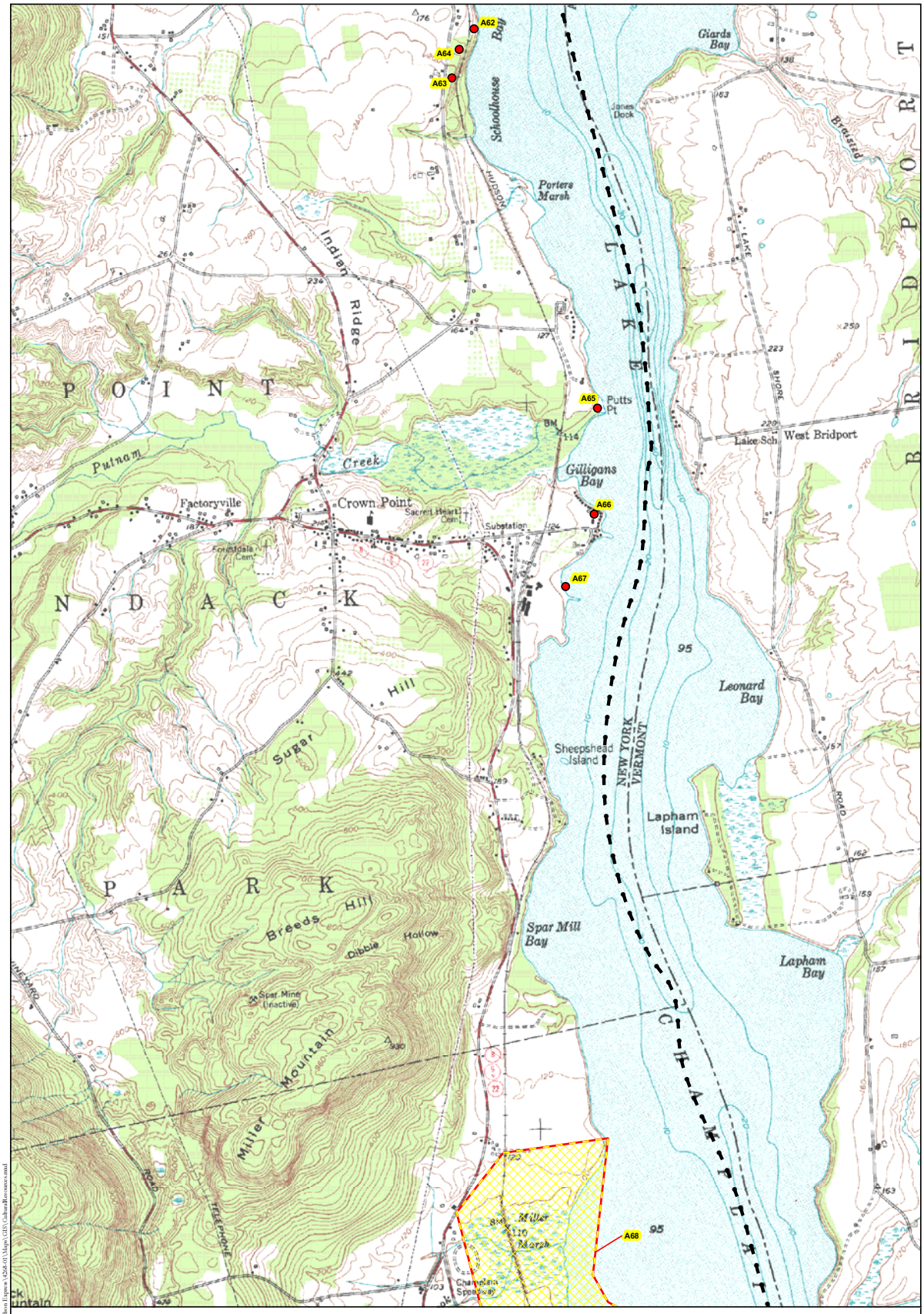
Note: Contour interval is 10 feet.

Archeological Site Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 17 a

DS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268-01\Maps\GIS\CulturalResources.mxd



Legend

- Archeological Site
- A## Archeological Site ID (See Appendix 1)
- Proposed Alignment
- Overland Study Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

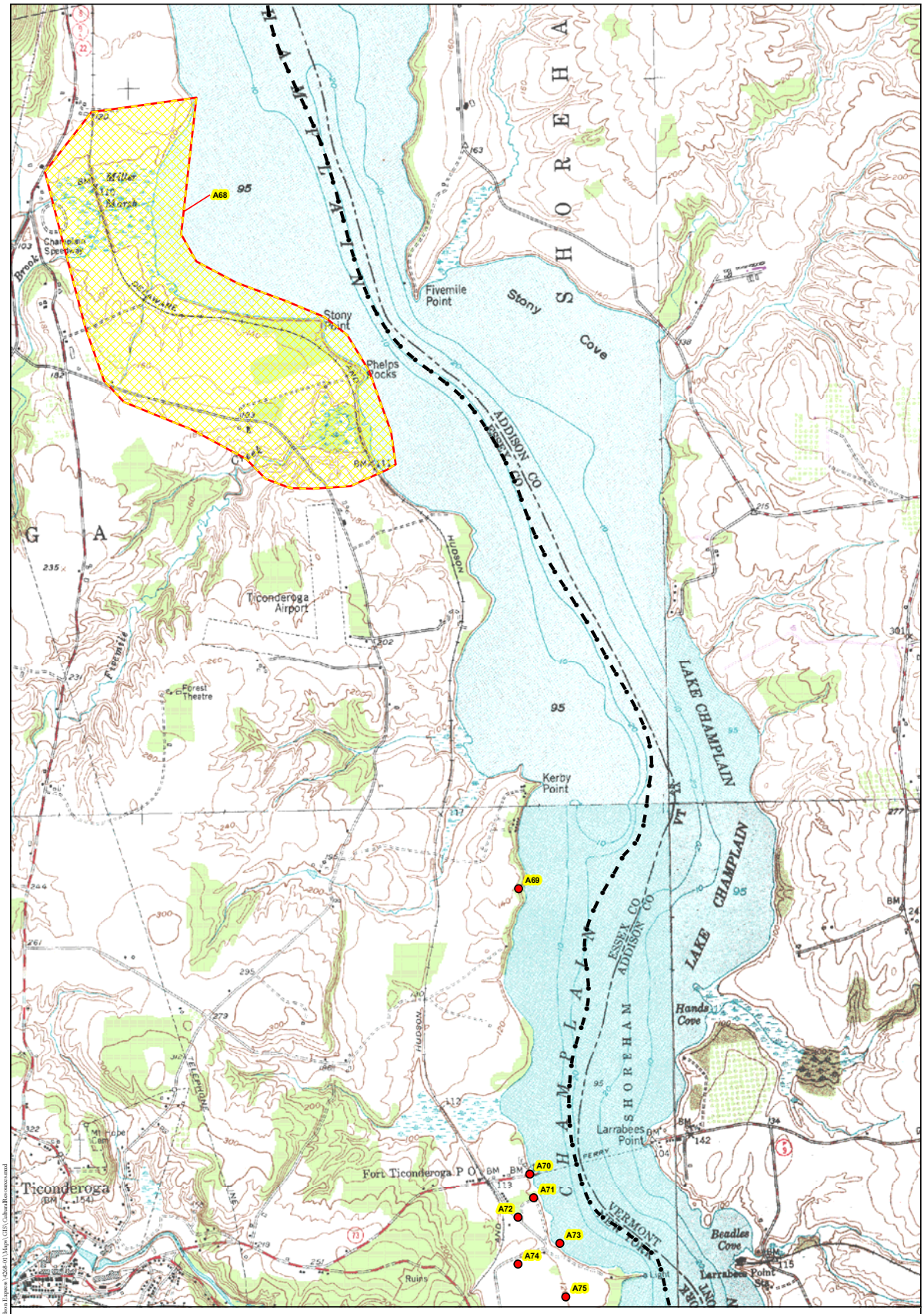
Note: Contour interval is 10 feet.

Archeological Site Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 18 a

JS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268-01\Maps\GIS\CulturalResources.mxd



Legend

- Archeological Site
- A## Archeological Site ID (See Appendix 1)
- Proposed Alignment
- Overland Study Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

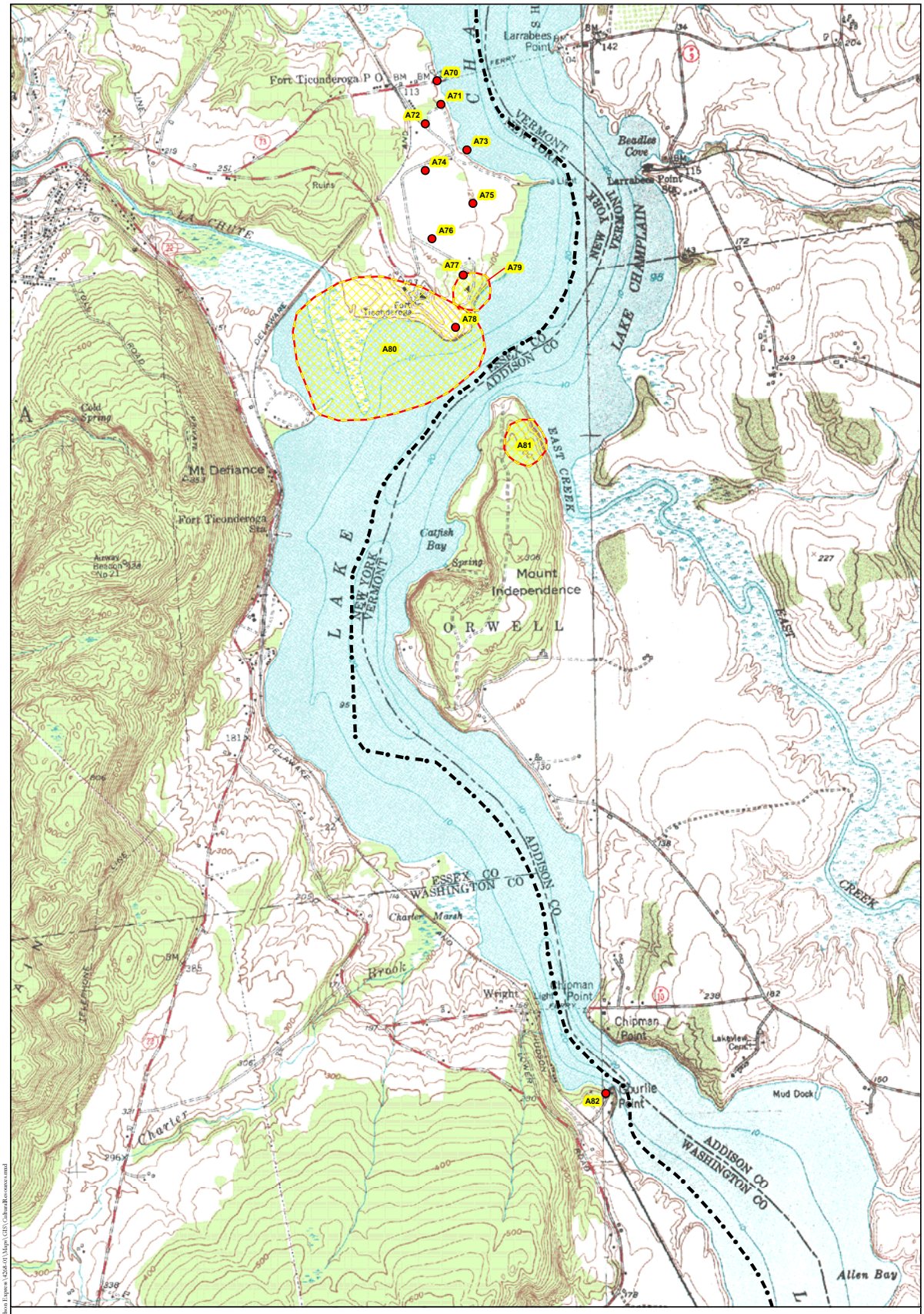
Note: Contour interval is 10 feet.

Archeological Site Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 19 a

DS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268.01\Maps\GIS\CulturalResources.mxd



Legend

- Archeological Site
- A## Archeological Site ID (See Appendix 1)
- Proposed Alignment
- Overland Study Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

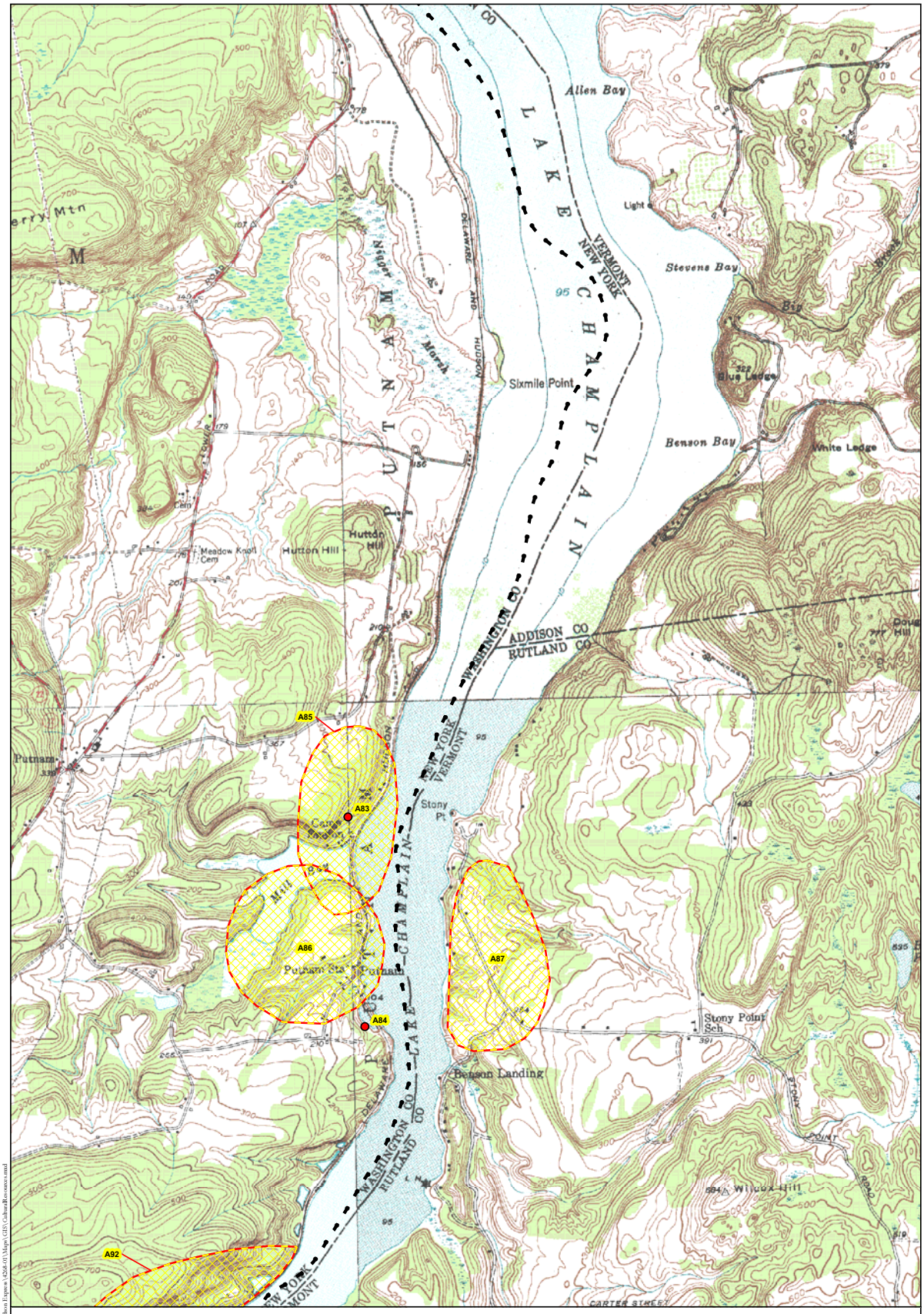
Note: Contour interval is 10 feet.

Archeological Site Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 20 a

JS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268.01\Maps\GIS\CulturalResources.mxd



Legend

- Archeological Site
- A## Archeological Site ID (See Appendix 1)
- Proposed Alignment
- Overland Study Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

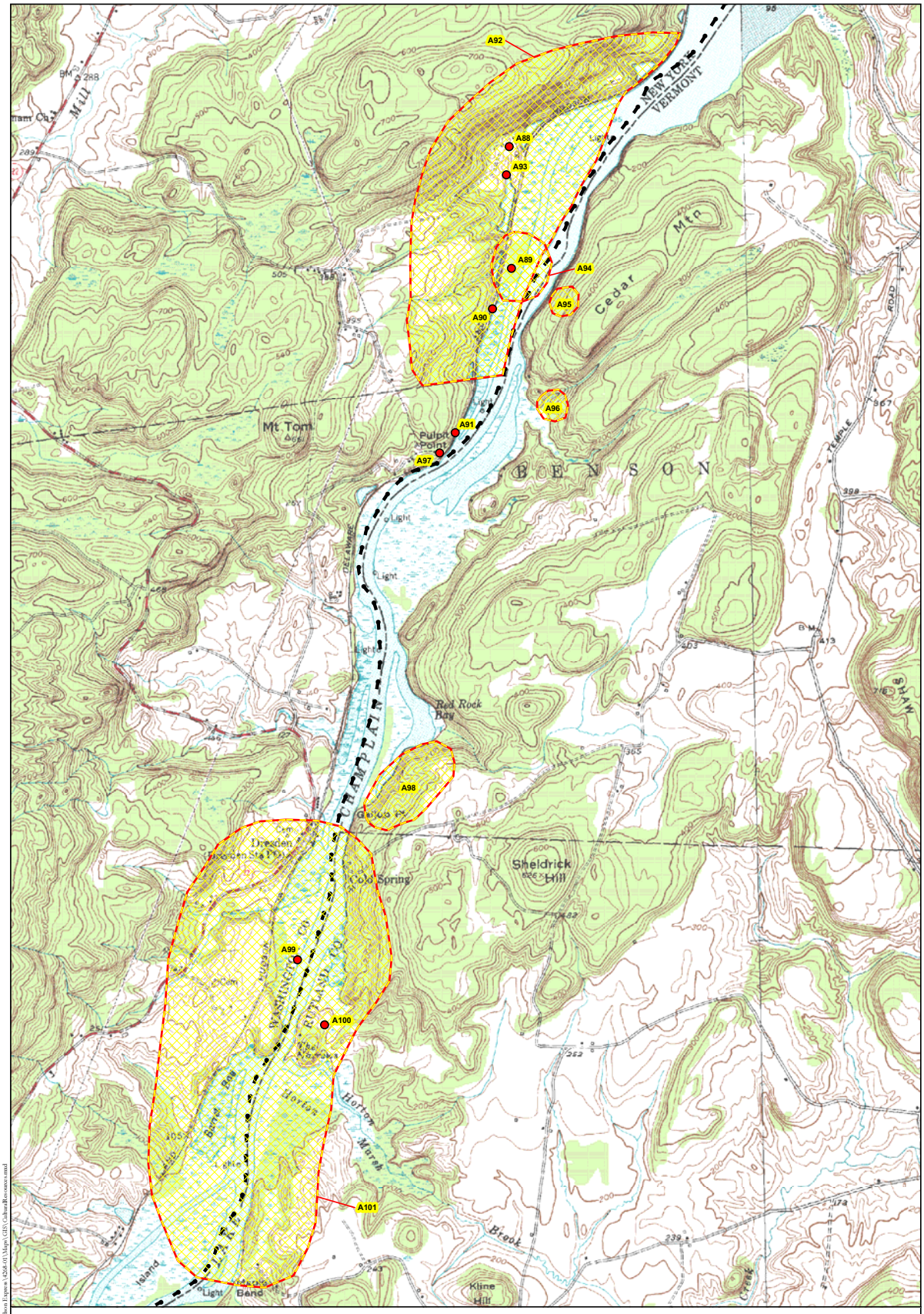
Note: Contour interval is 10 feet.

Archeological Site Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 21 a

DS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268-01\Maps\GIS\CulturalResources.mxd



Legend

- Archeological Site
- A## Archeological Site ID (See Appendix 1)
- Proposed Alignment
- Overland Study Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

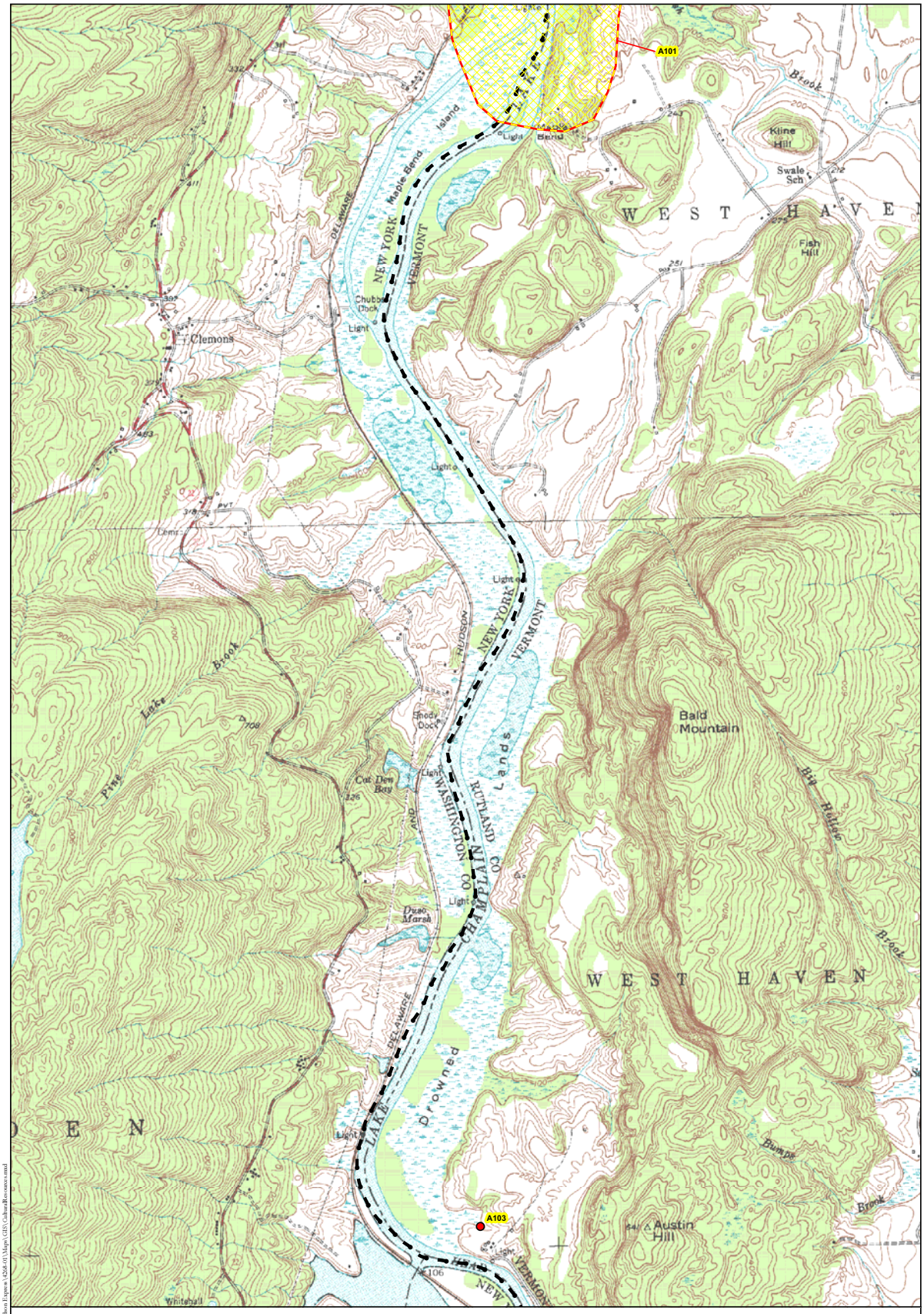
Note: Contour interval is 10 feet.

Archeological Site Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 22 a

JS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268.01\Maps\GIS\CulturalResources.mxd



Legend

- Archeological Site
- A## Archeological Site ID (See Appendix 1)
- Proposed Alignment
- Overland Study Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

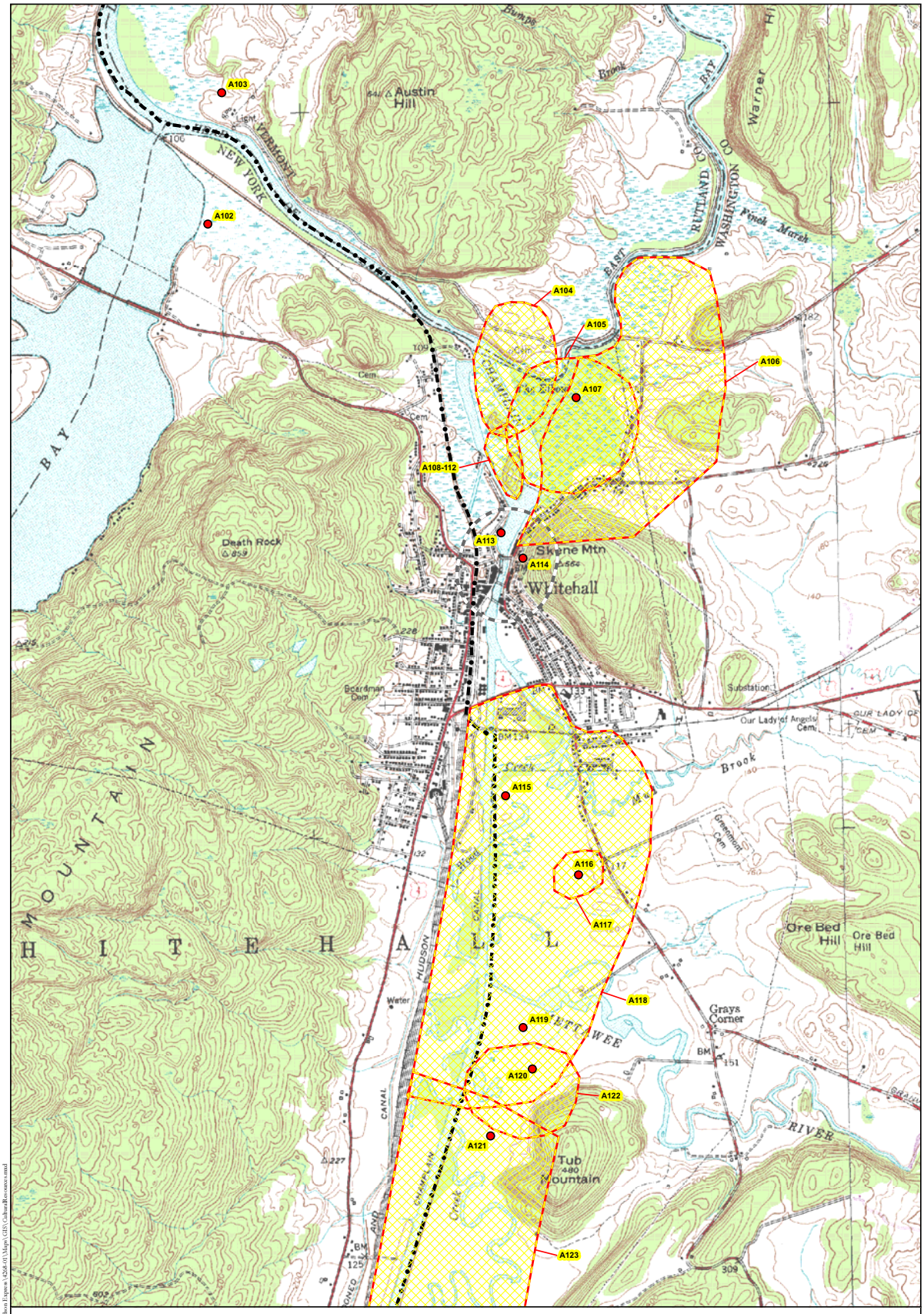
Note: Contour interval is 10 feet.

Archeological Site Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 23 a

DS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268-01\Maps\GIS\CulturalResources.mxd



Legend

- Archeological Site
- A## Archeological Site ID (See Appendix 1)
- Proposed Alignment
- Overland Study Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

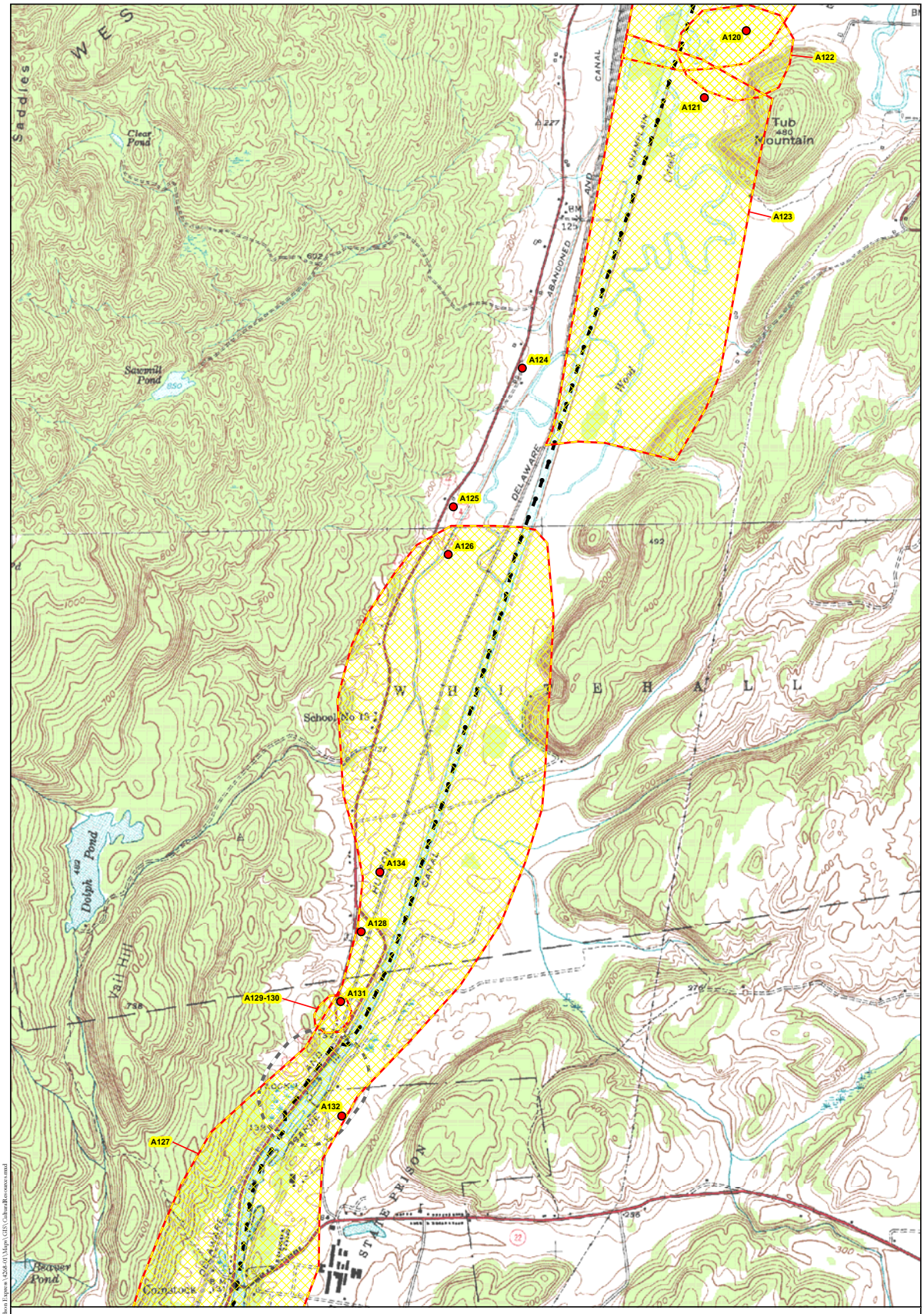
Note: Contour interval is 10 feet.

Archeological Site Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 24 a

DS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268.01\Maps\GIS\CulturalResources.mxd



Legend

- Archeological Site
- A## Archeological Site ID (See Appendix 1)
- Proposed Alignment
- Overland Study Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

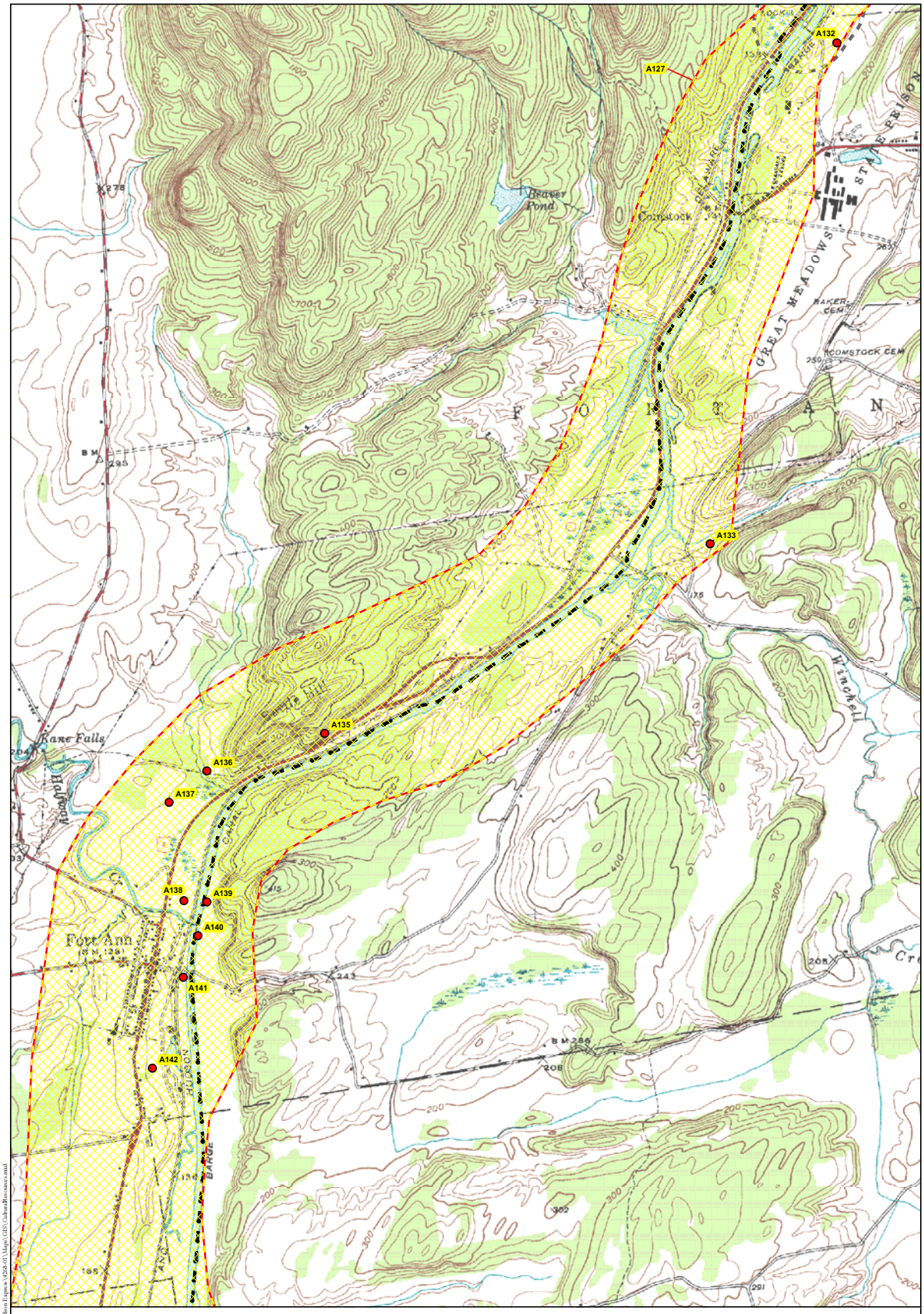
Note: Contour interval is 10 feet.

Archeological Site Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 25 a

JS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268-01\Maps\GIS\CulturalResources.mxd



Legend

- Archeological Site
- A## Archeological Site ID (See Appendix 1)
- Proposed Alignment
- Overland Study Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

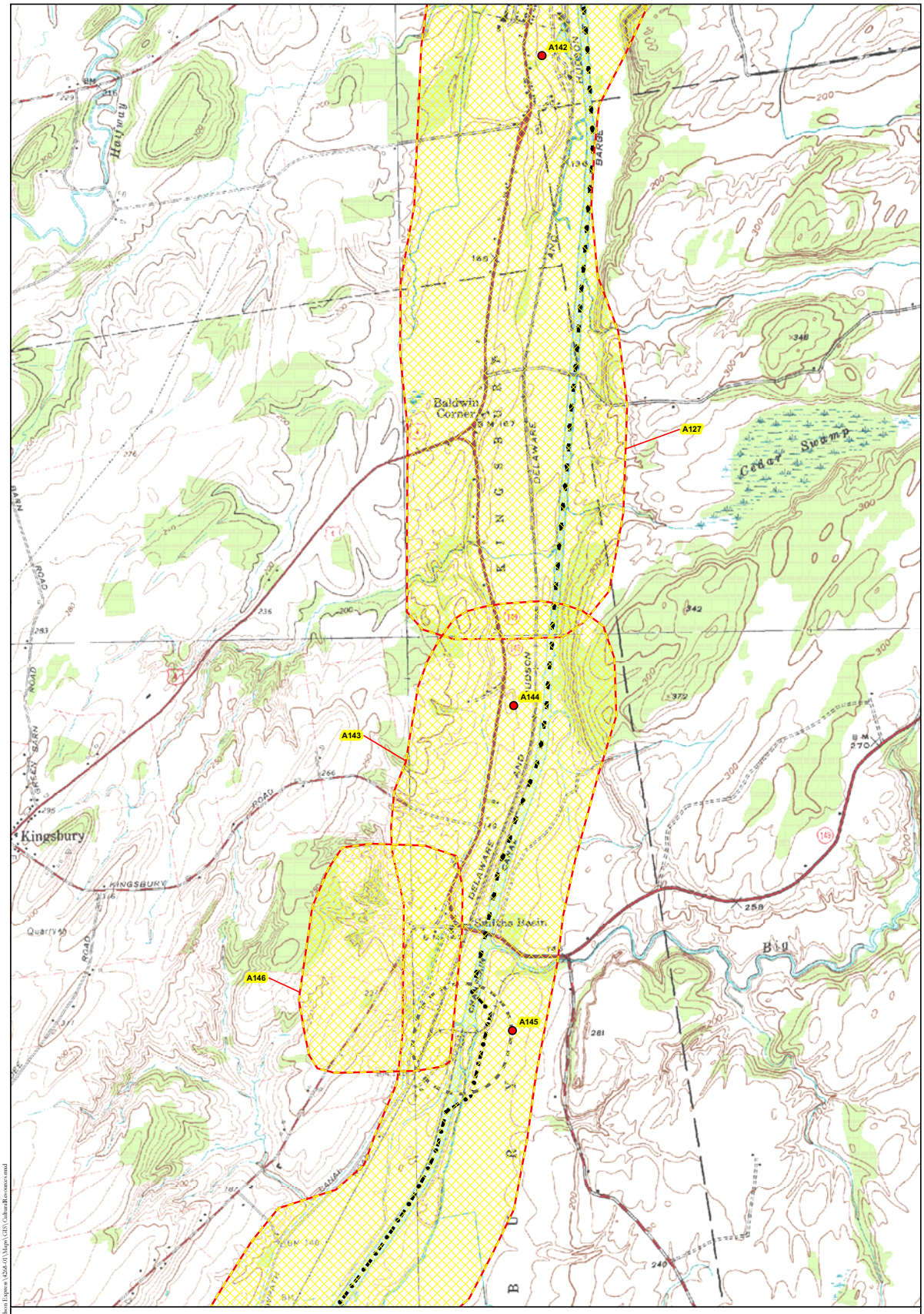
Note: Contour interval is 10 feet.

Archeological Site Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 26 a

DS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268.01\Maps\GIS\CulturalResources.mxd



Legend

- Archeological Site
- A## Archeological Site ID (See Appendix 1)
- Proposed Alignment
- Overland Study Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

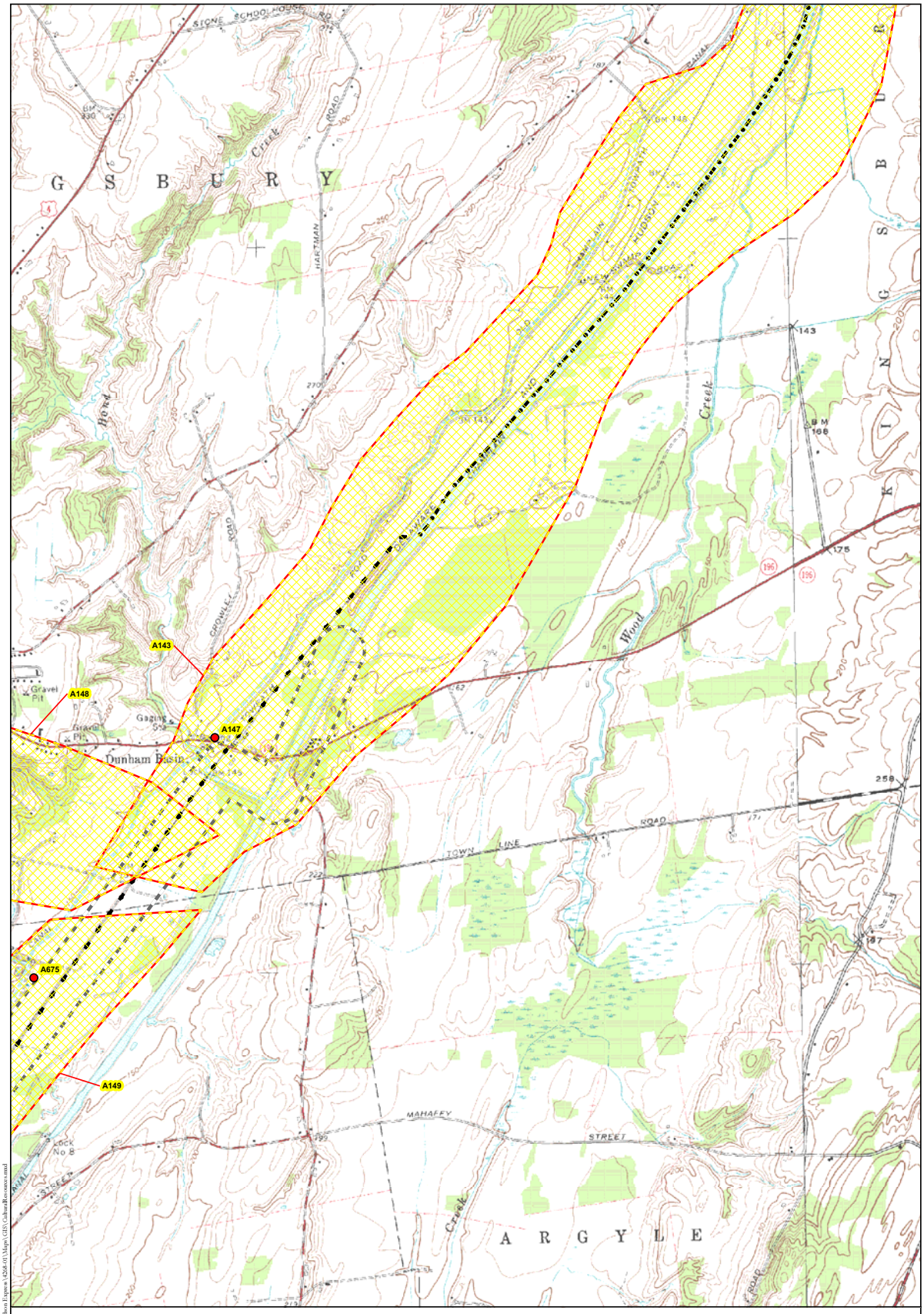
Note: Contour interval is 10 feet.

Archeological Site Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 27 a

DS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268-01\Maps\GIS\CulturalResources.mxd



Legend

- Archeological Site
- A## Archeological Site ID (See Appendix 1)
- Proposed Alignment
- Overland Study Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

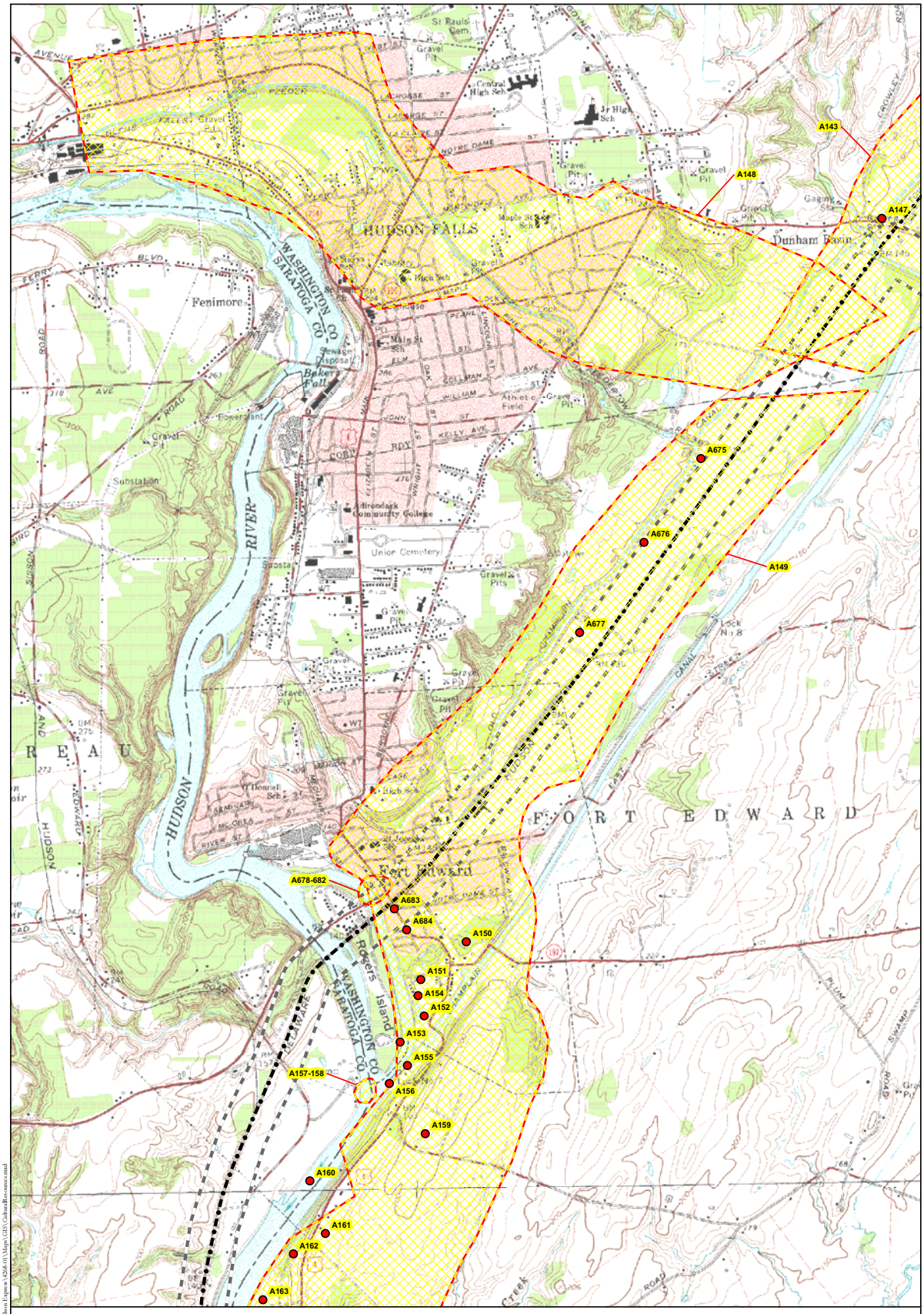
Note: Contour interval is 10 feet.

Archeological Site Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 28 a

JS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268-01\Maps\GIS\CulturalResources.mxd



Legend

- Archeological Site
- A## Archeological Site ID (See Appendix 1)
- Proposed Alignment
- Overland Study Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

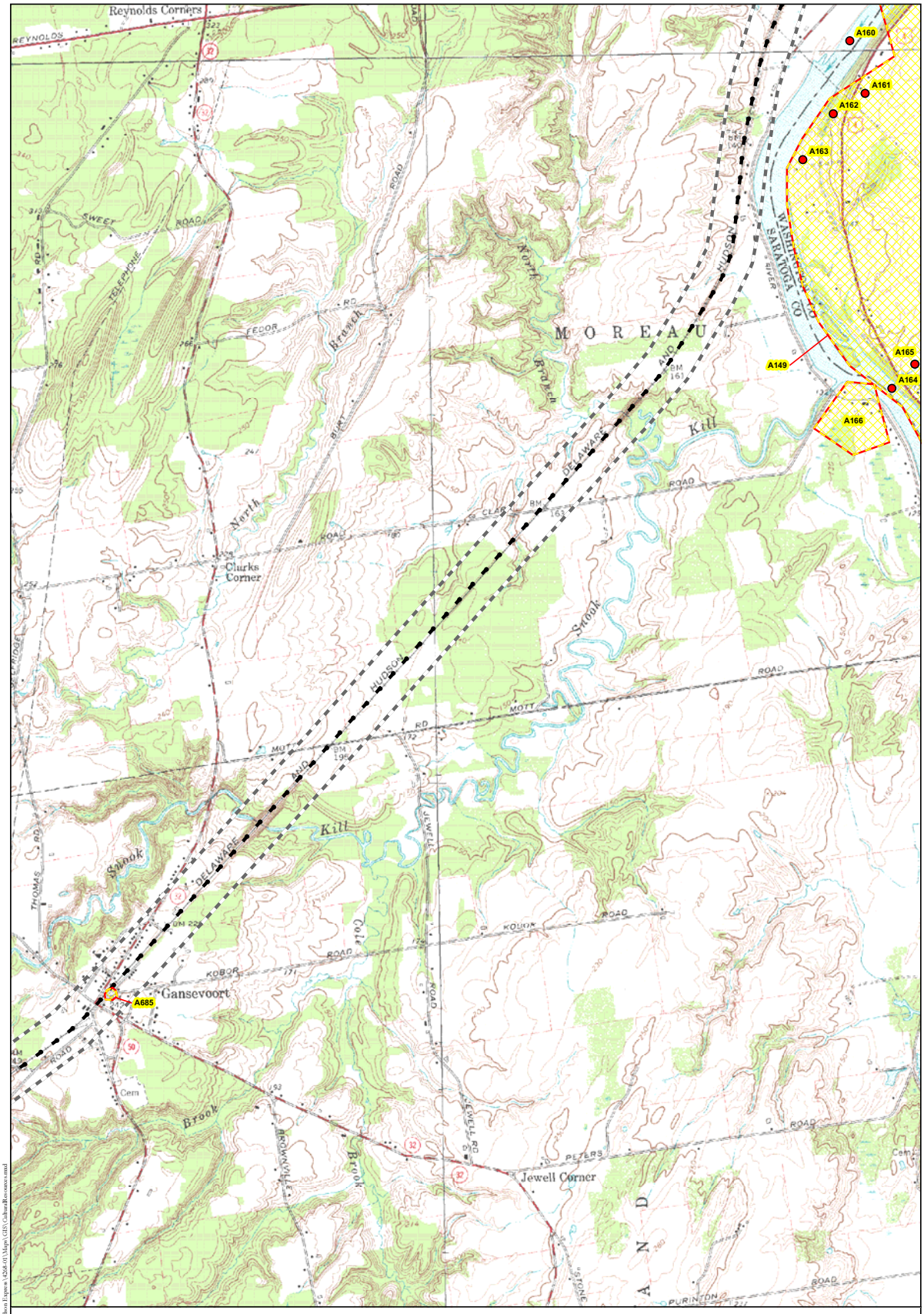
Note: Contour interval is 10 feet.

Archeological Site Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 29 a

DS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268-01\Maps\GIS\CulturalResources.mxd



Legend

- Archeological Site
- A## Archeological Site ID (See Appendix 1)
- Proposed Alignment
- Overland Study Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

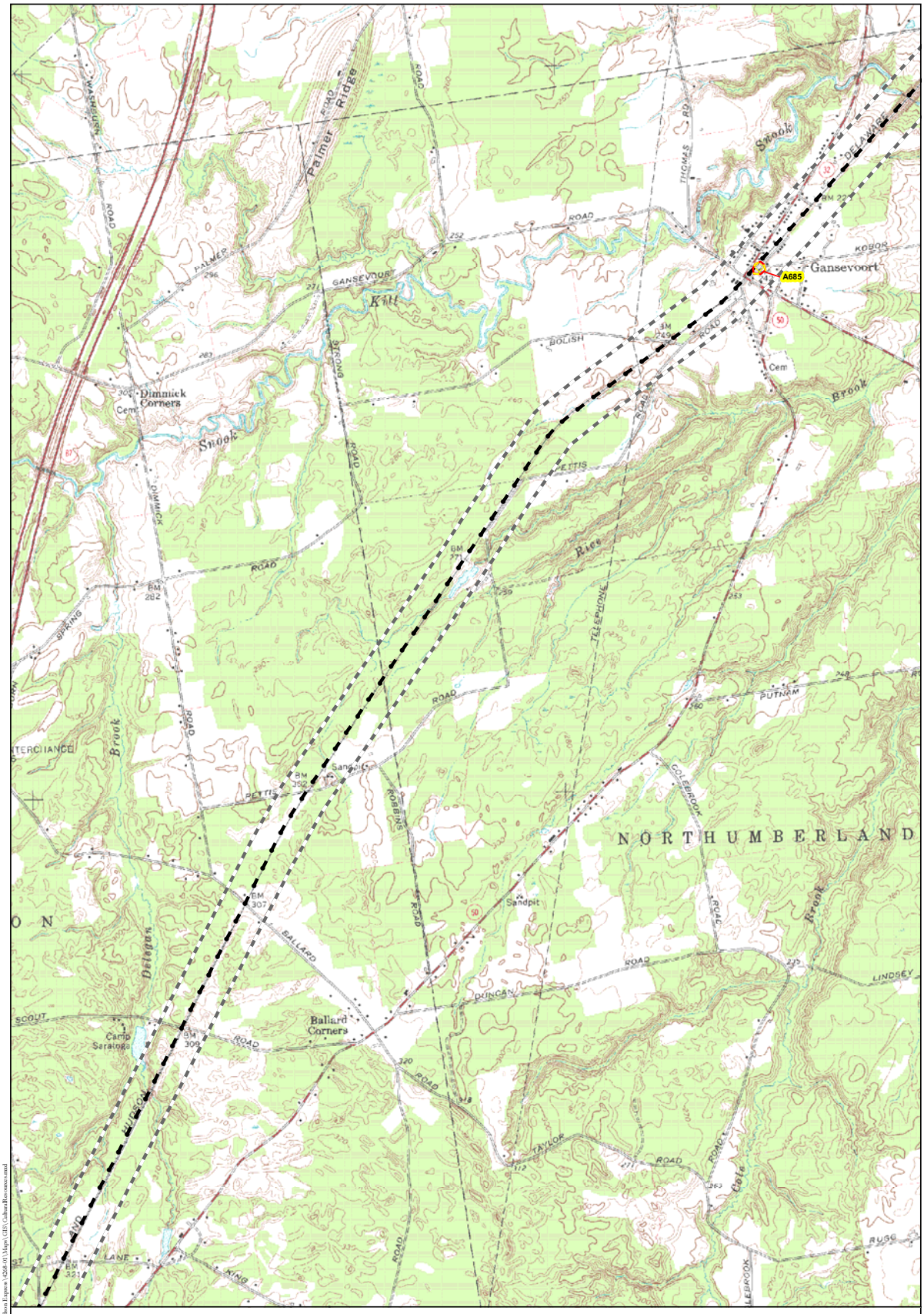
Note: Contour interval is 10 feet.

Archeological Site Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 30 a

DS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268.01\Maps\GIS\CulturalResources.mxd



Legend

- Archeological Site
- A## Archeological Site ID (See Appendix 1)
- Proposed Alignment
- Overland Study Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

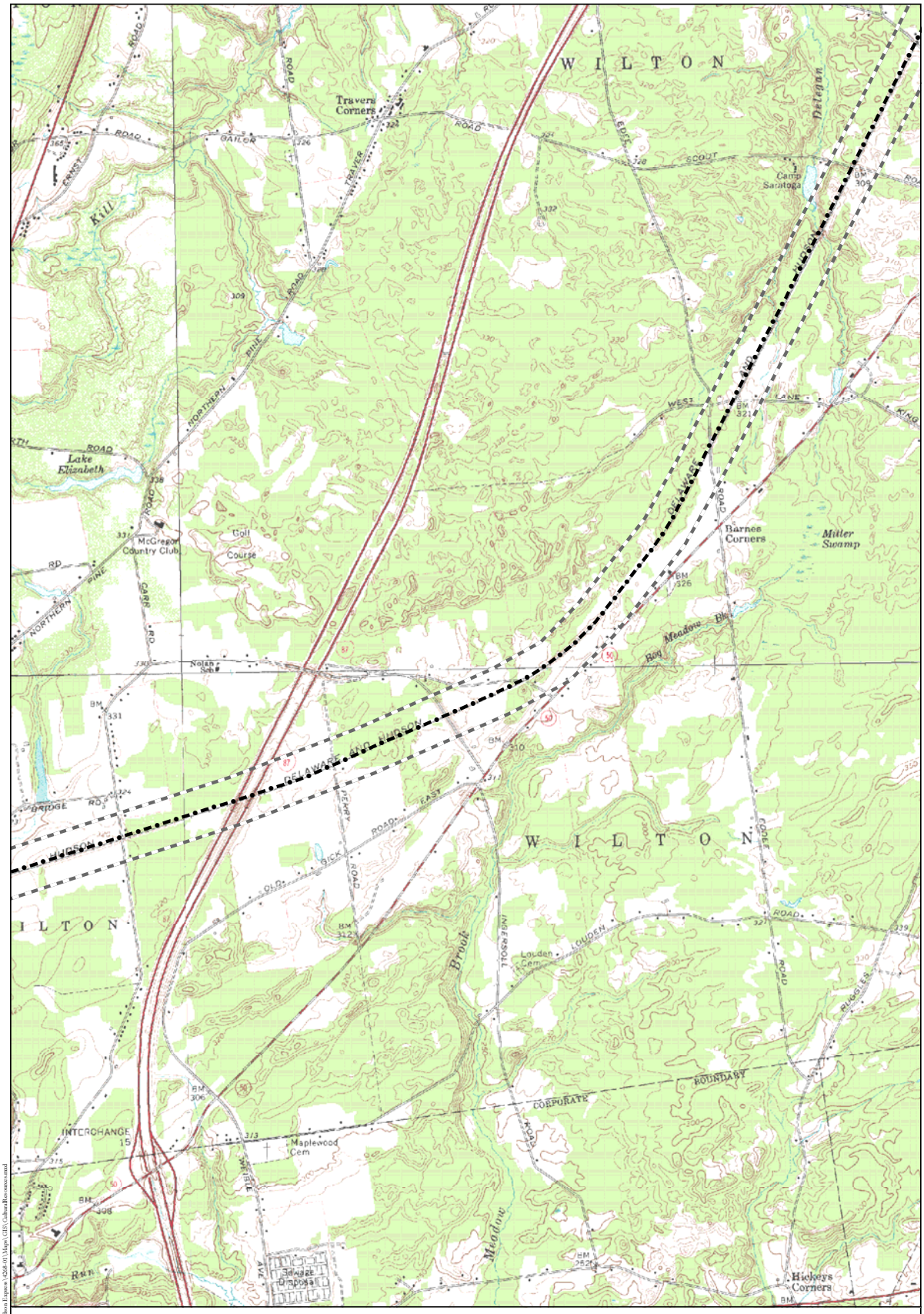
Note: Contour interval is 10 feet.

Archeological Site Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 31 a

DS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268-01\Maps\GIS\CulturalResources.mxd



Legend

- Archeological Site
- A## Archeological Site ID (See Appendix 1)
- Proposed Alignment
- Overland Study Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

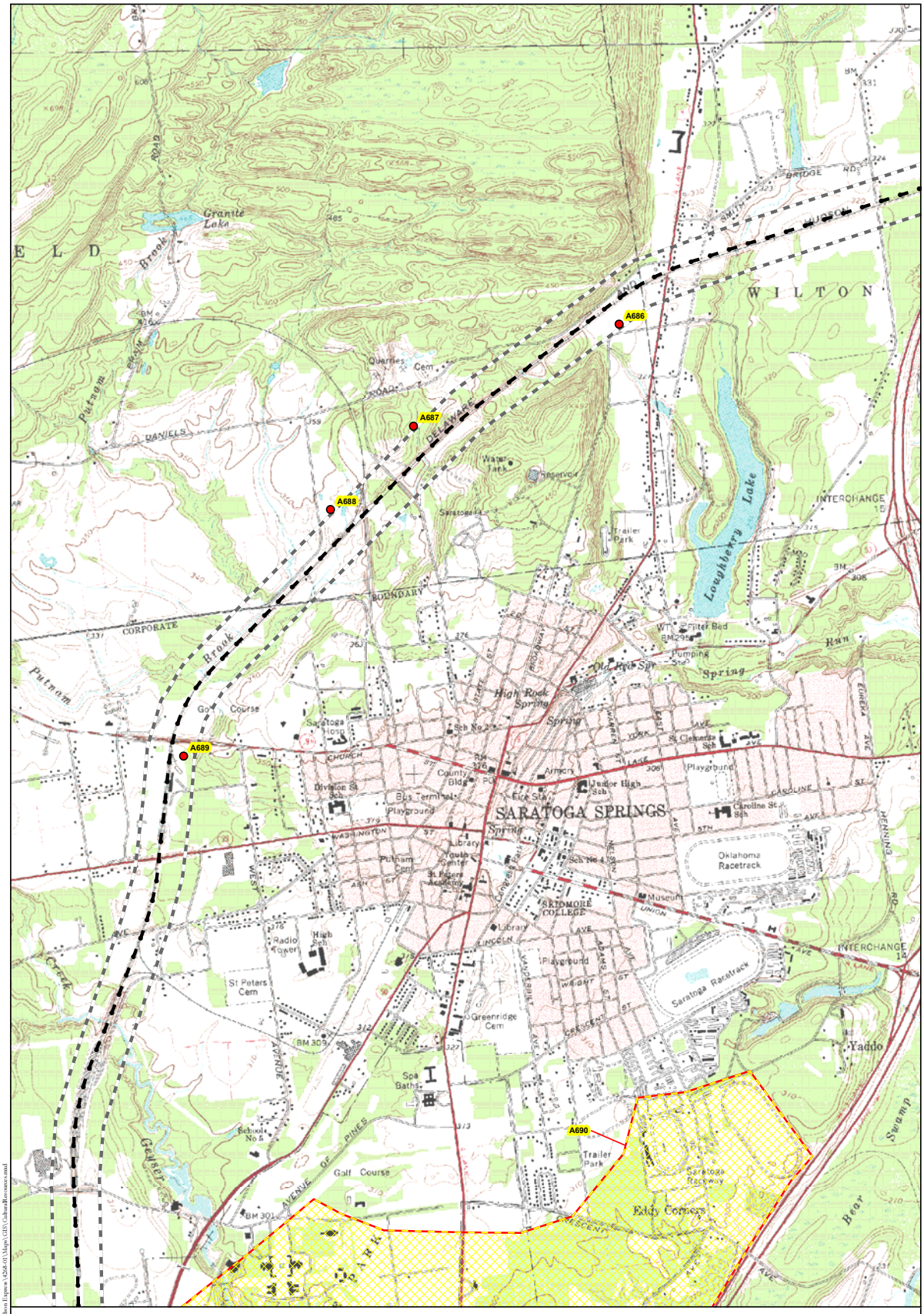
Note: Contour interval is 10 feet.

Archeological Site Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 32 a

JS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268-01\Maps\GIS\CulturalResources.mxd



Legend

- Archeological Site
- A## Archeological Site ID (See Appendix 1)
- Proposed Alignment
- Overland Study Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

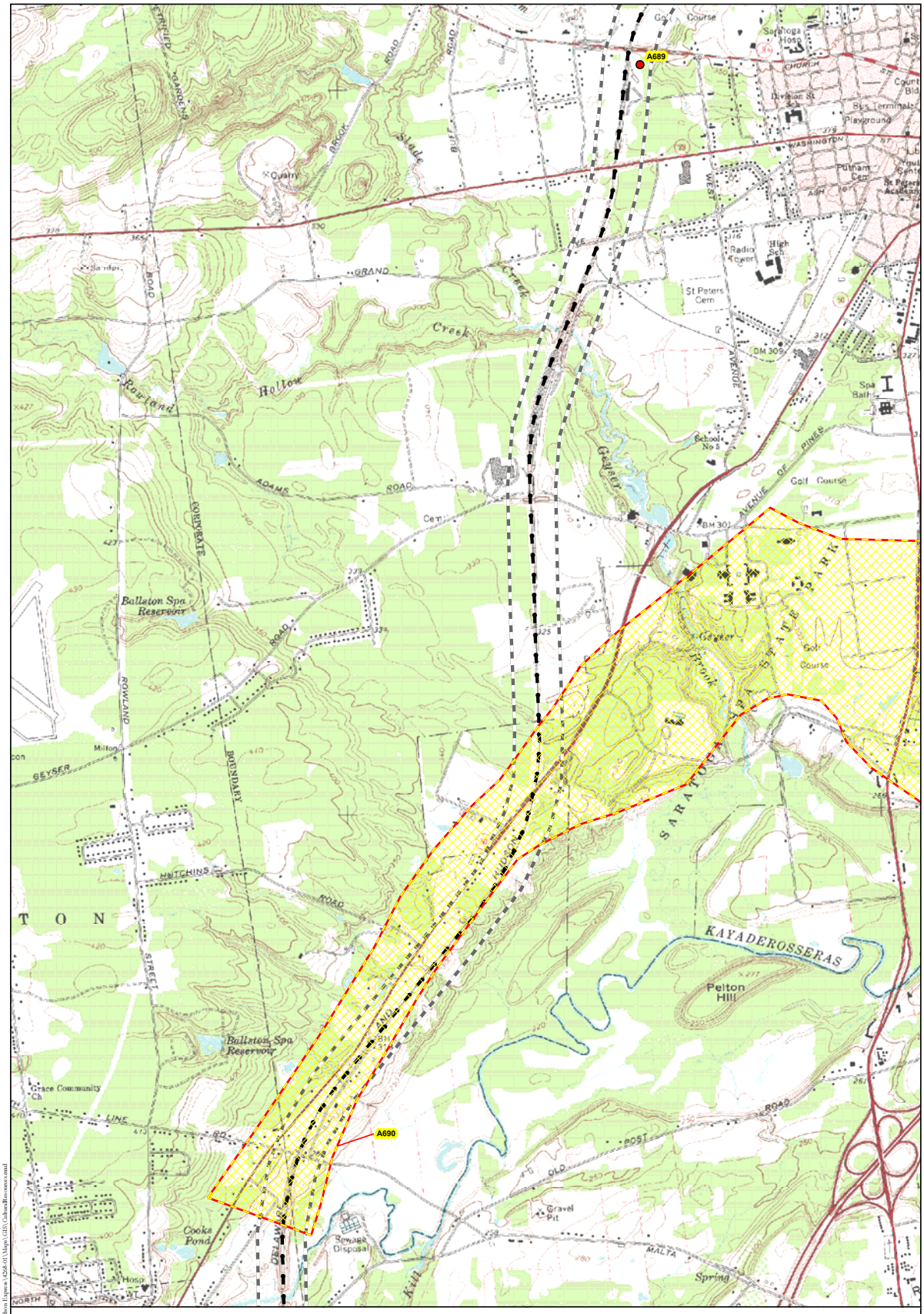
Note: Contour interval is 10 feet.

Archeological Site Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 33 a

JS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268-01\Maps\GIS\CulturalResources.mxd



Legend

- Archeological Site
- A## Archeological Site ID (See Appendix 1)
- Proposed Alignment
- Overland Study Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

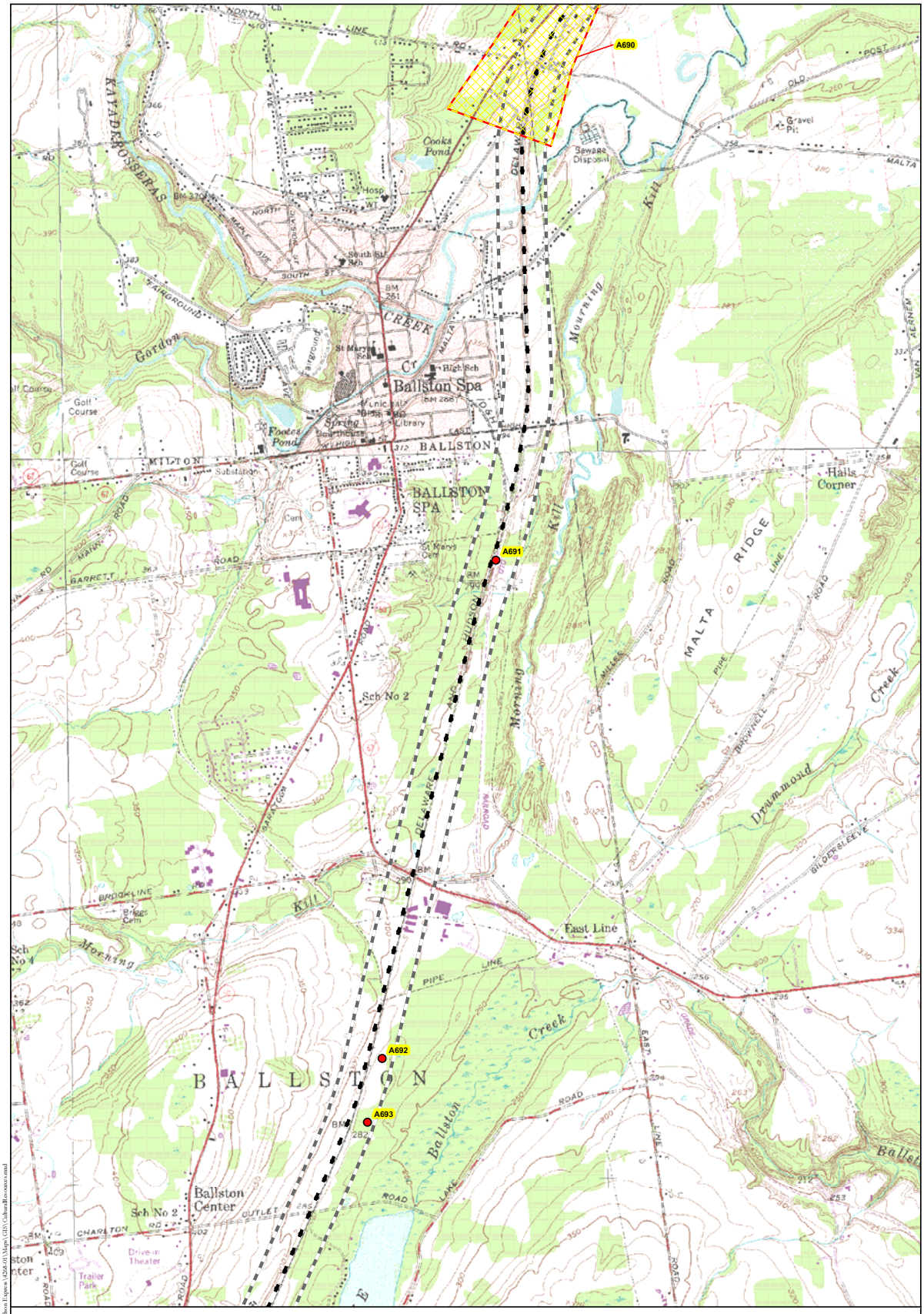
Note: Contour interval is 10 feet.

Archeological Site Locations
(HAA, Inc. 2010)

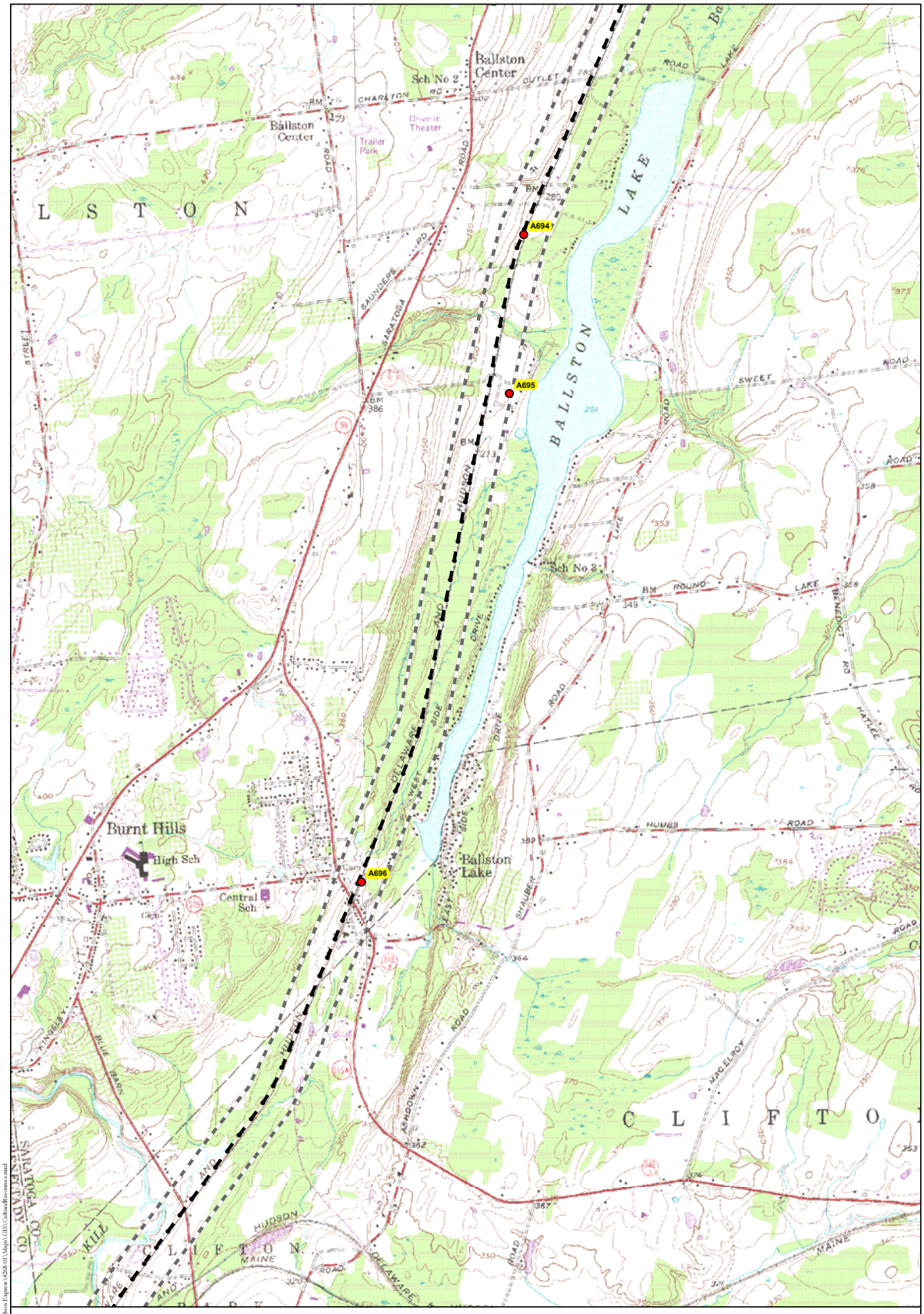
HARTGEN archeological associates inc

Map 34 a

DS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268-01\Maps\GIS\CulturalResources.mxd



DS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268.01\Maps\GIS\CulturalResources.mxd



Legend

- Archeological Site
- A## Archeological Site ID (See Appendix 1)
- Proposed Alignment
- Overland Study Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

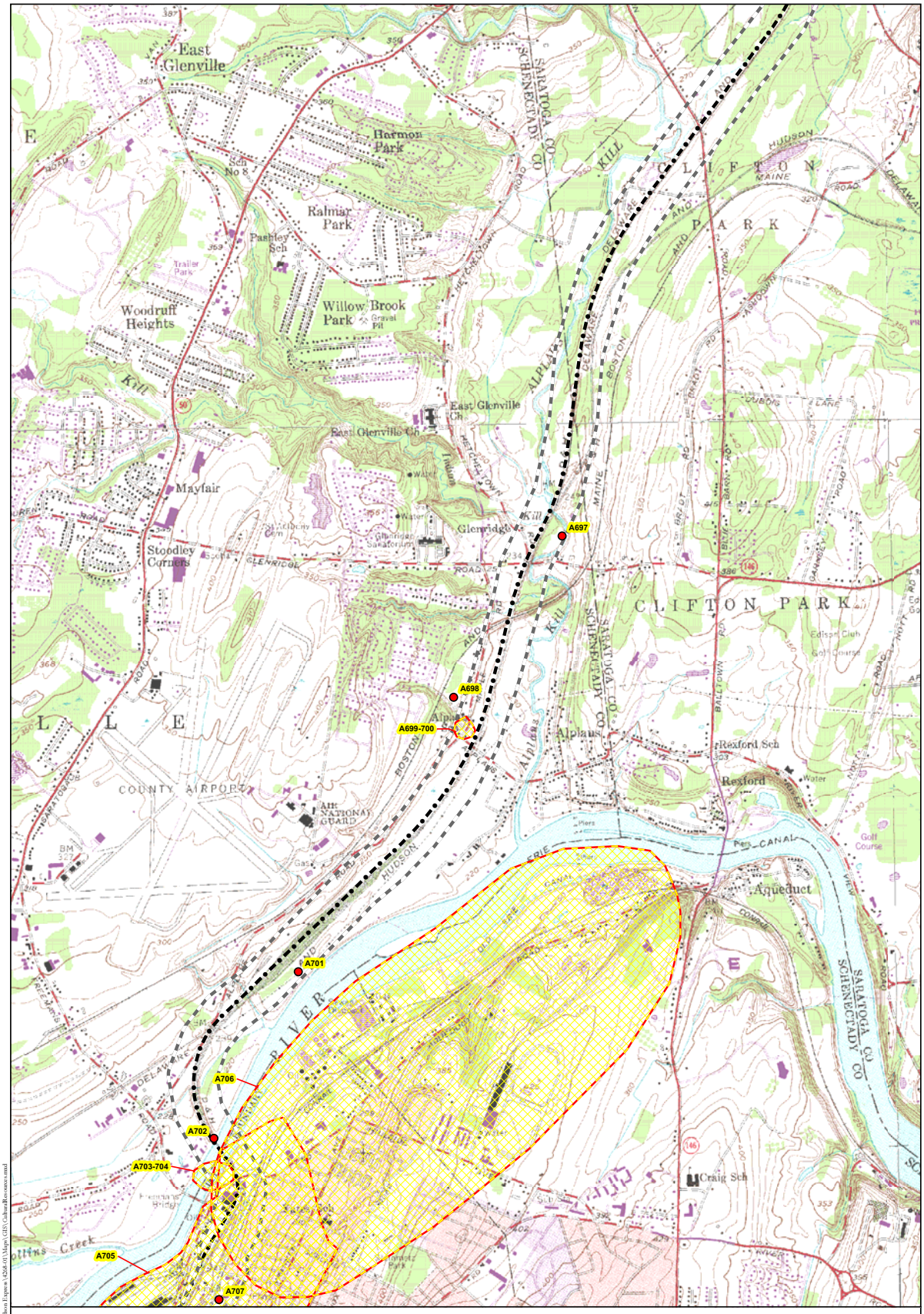
Note: Contour interval is 10 feet.

Archeological Site Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 36 a

JS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268-01\Maps\GIS\CulturalResources.mxd



Legend

- Archeological Site
- A## Archeological Site ID (See Appendix 1)
- Proposed Alignment
- Overland Study Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

Note: Contour interval is 10 feet.

Archeological Site Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 37 a

DS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268.01\Maps\GIS\CulturalResources.mxd

Legend
Archeological Site
A## Archeological Site ID (See Appendix 1)
Proposed Alignment
Overland Study Area

N

1,000 0 1,000 2,000 Feet
300 0 300 600 Meters

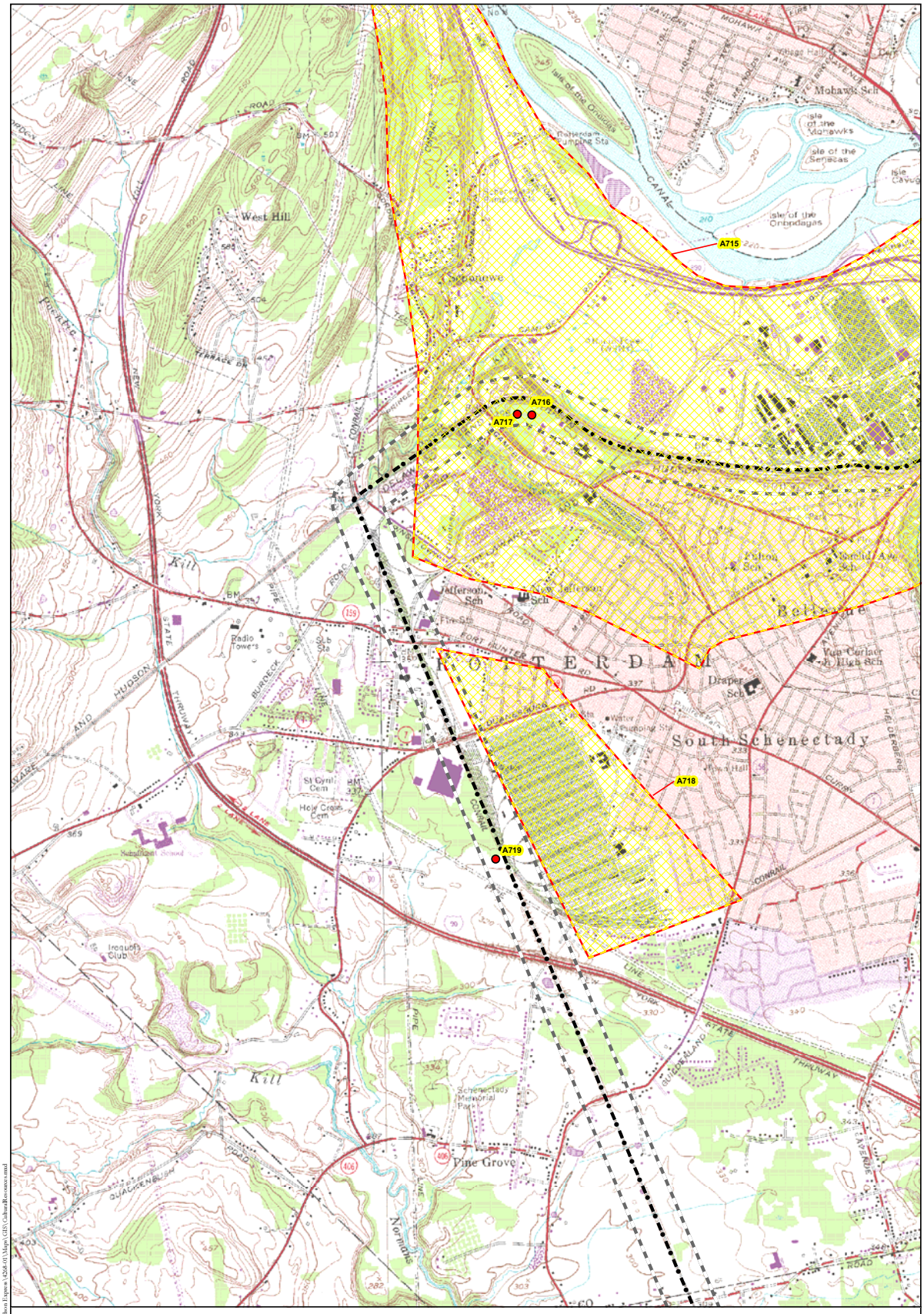
Note: Contour interval is 10 feet.

Archeological Site Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 38 a

ES February 16, 2010 R:\Active Projects\4268 Oswego-Hudson Express\4268-01\Maps\GIS\CulturalResources.mxd



Legend

- Archeological Site
- A## Archeological Site ID (See Appendix 1)
- Proposed Alignment
- Overland Study Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

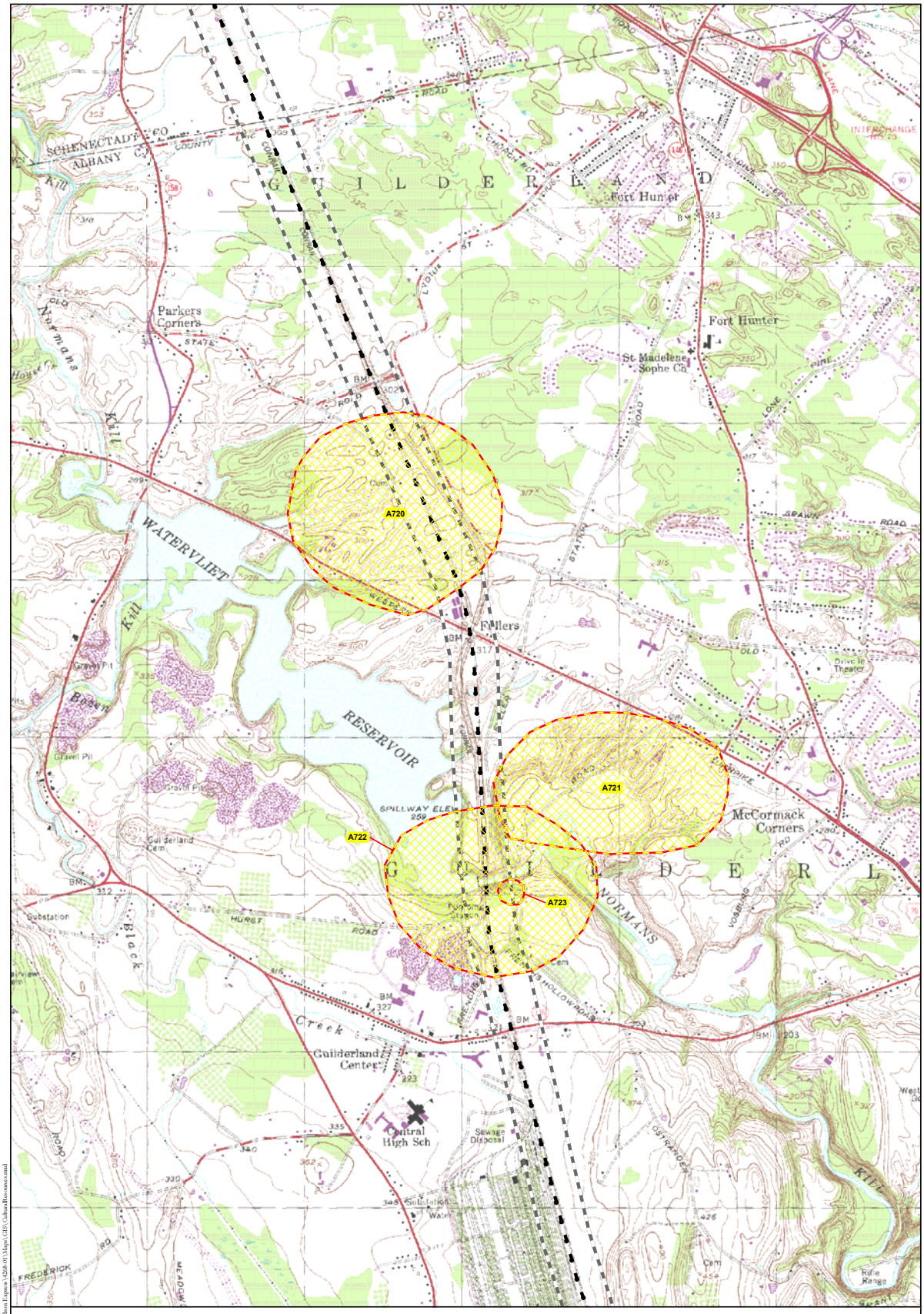
Note: Contour interval is 10 feet.

Archeological Site Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 39 a

DS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268-01\Maps\GIS\CulturalResources.mxd



Legend

- Archeological Site
- A## Archeological Site ID (See Appendix 1)
- Proposed Alignment
- Overland Study Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

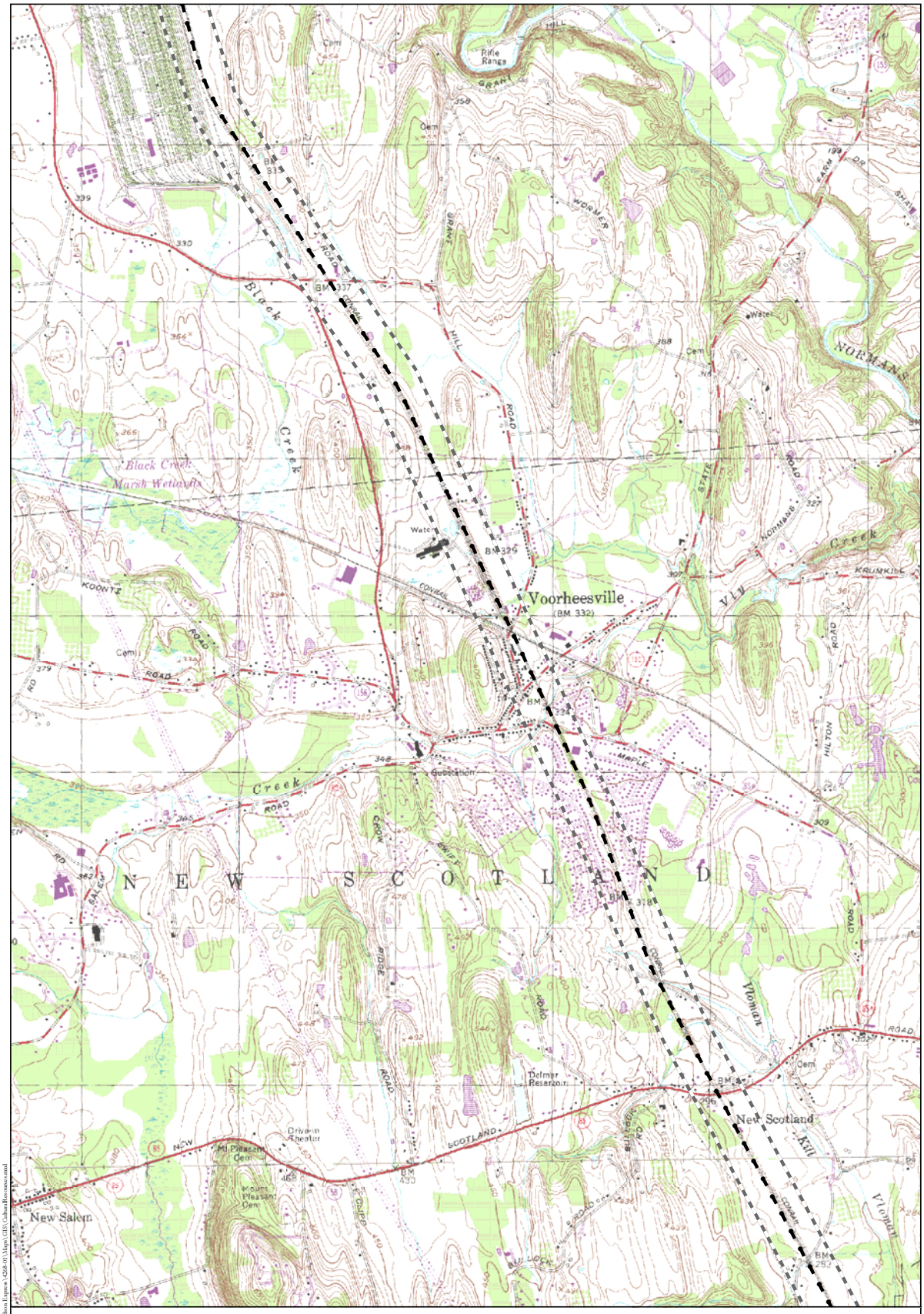
Note: Contour interval is 10 feet.

Archeological Site Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 40 a

DS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268-01\Maps\GIS\CulturalResources.mxd



Legend

- Archeological Site
- A## Archeological Site ID (See Appendix 1)
- Proposed Alignment
- Overland Study Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

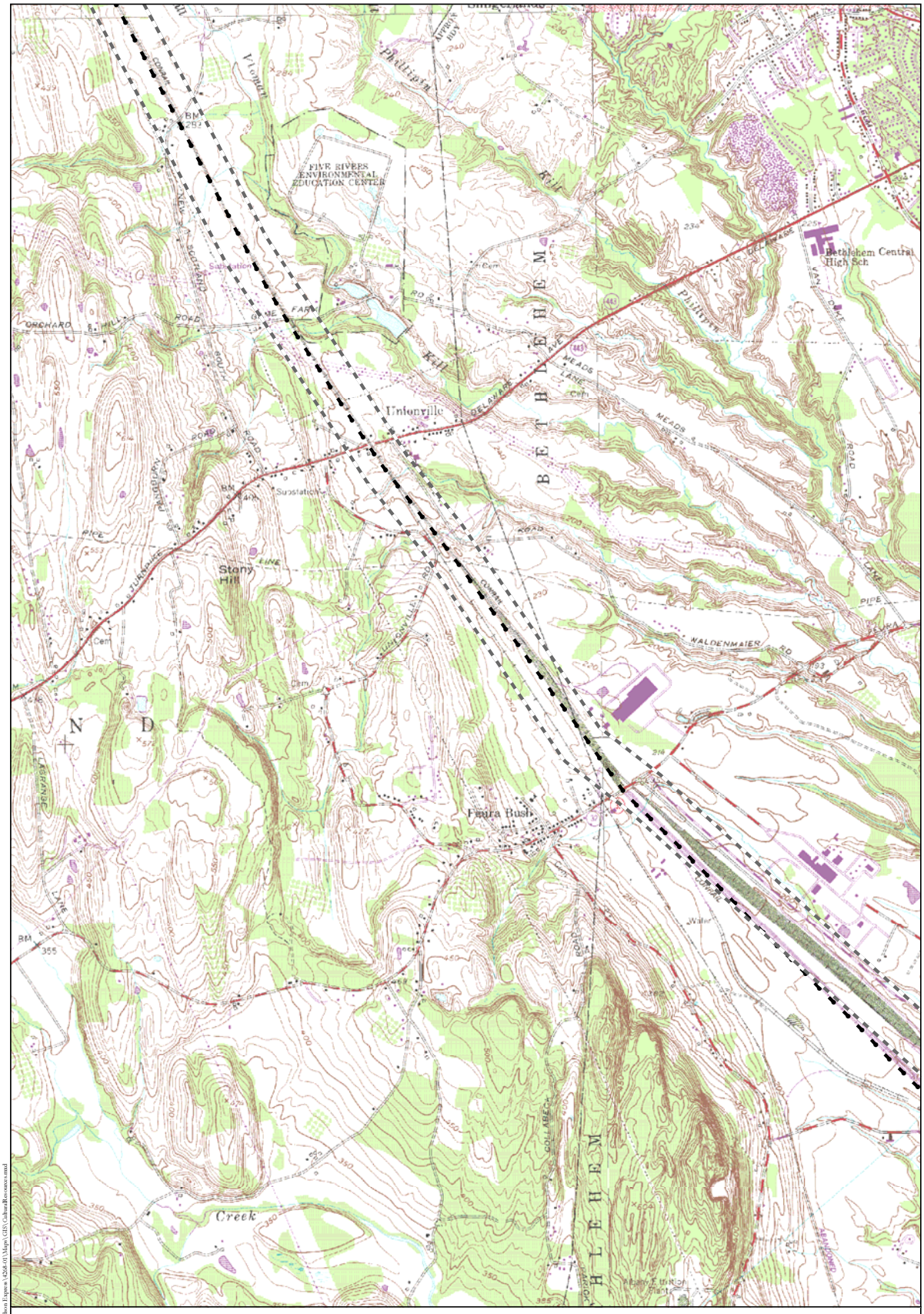
Note: Contour interval is 10 feet.

Archeological Site Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 41 a

DS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268-01\Maps\GIS\CulturalResources.mxd



Legend

- Archeological Site
- A## Archeological Site ID (See Appendix 1)
- Proposed Alignment
- Overland Study Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

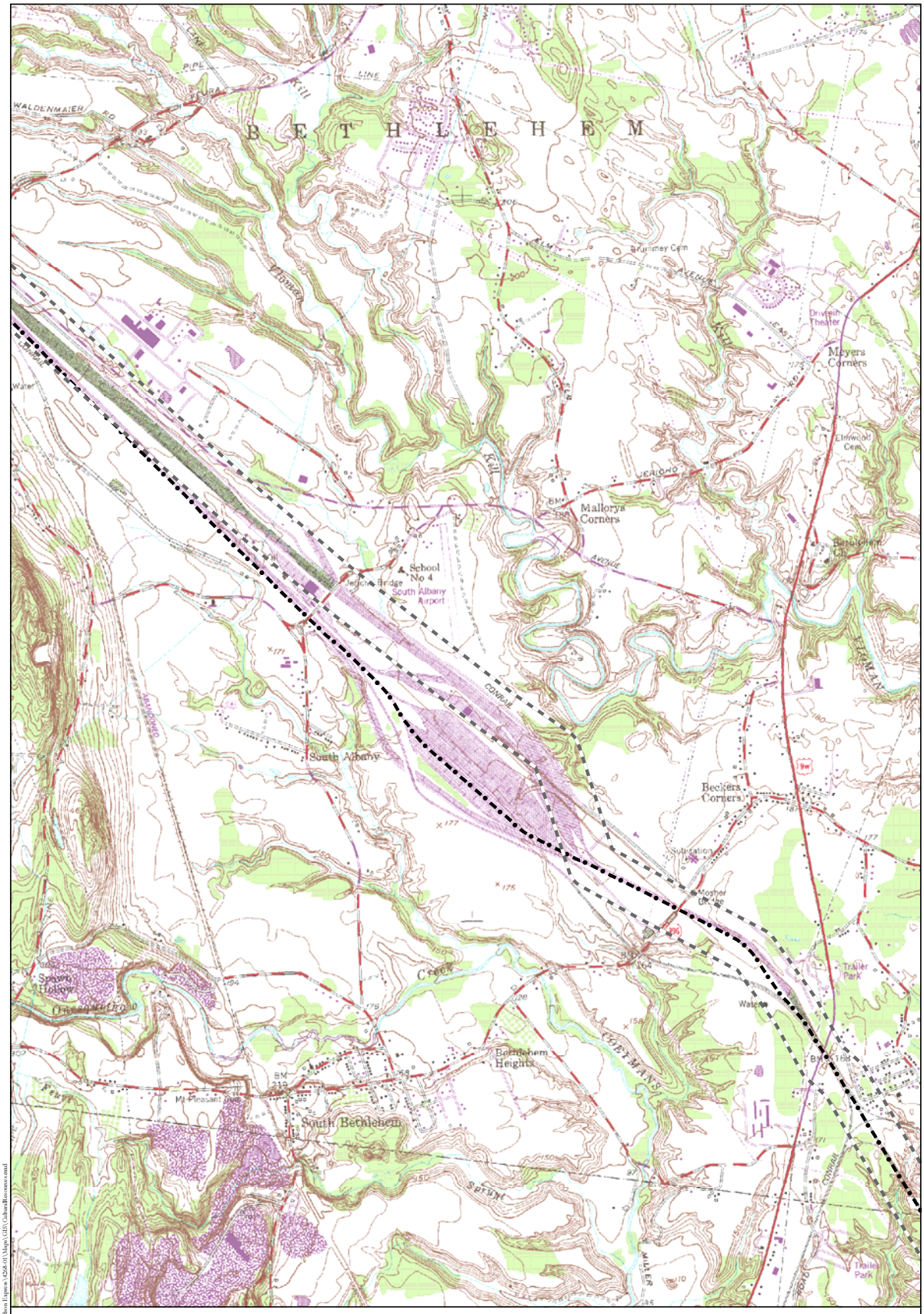
Note: Contour interval is 10 feet.

Archeological Site Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 42 a

DS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268-01\Maps\GIS\CulturalResources.mxd



Legend

- Archeological Site
- A## Archeological Site ID (See Appendix 1)
- Proposed Alignment
- Overland Study Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

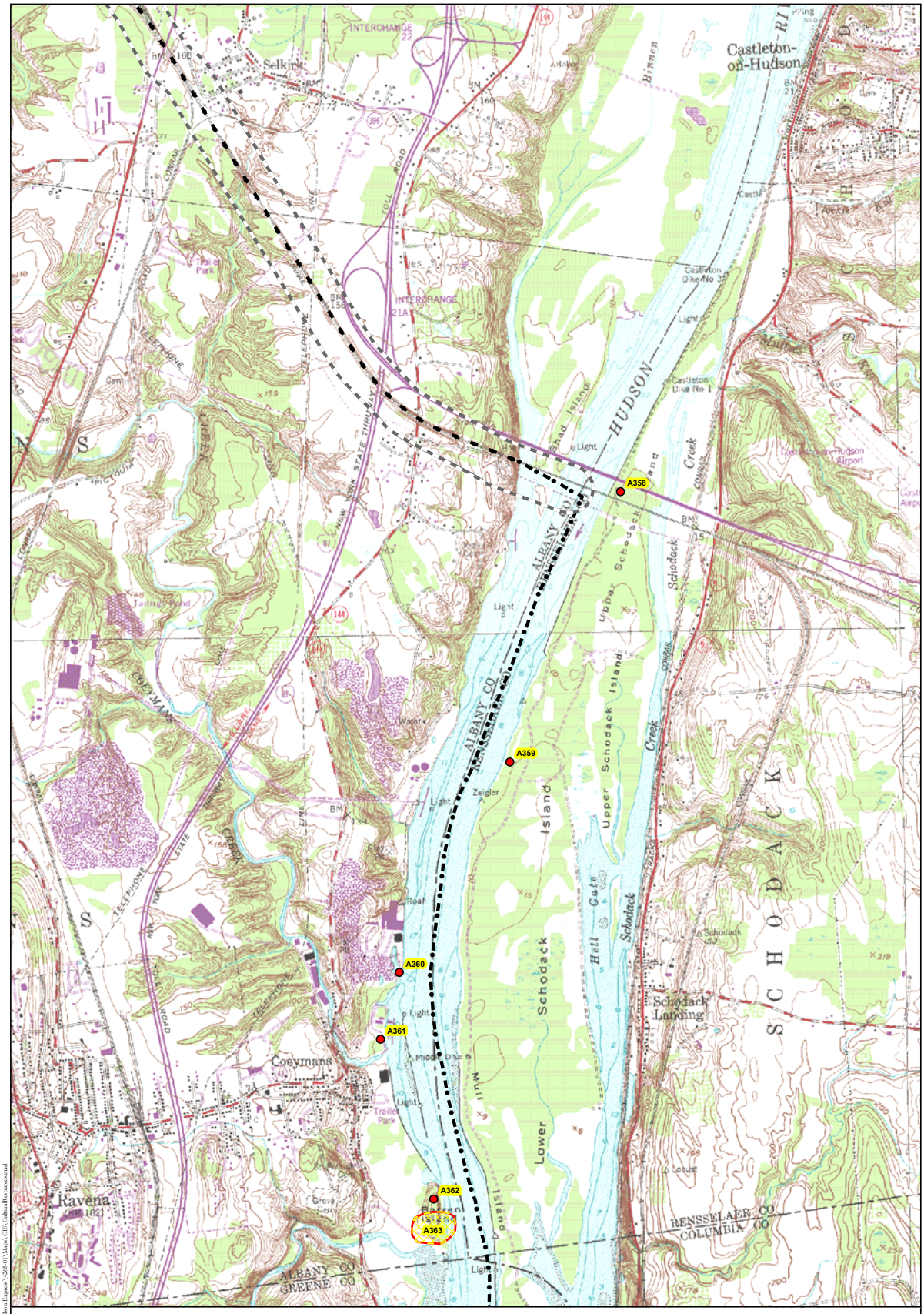
Note: Contour interval is 10 feet.

Archeological Site Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 43 a

JS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268-01\Maps\GIS\CulturalResources.mxd



Legend

- Archeological Site
- A## Archeological Site ID (See Appendix 1)
- Proposed Alignment
- Overland Study Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

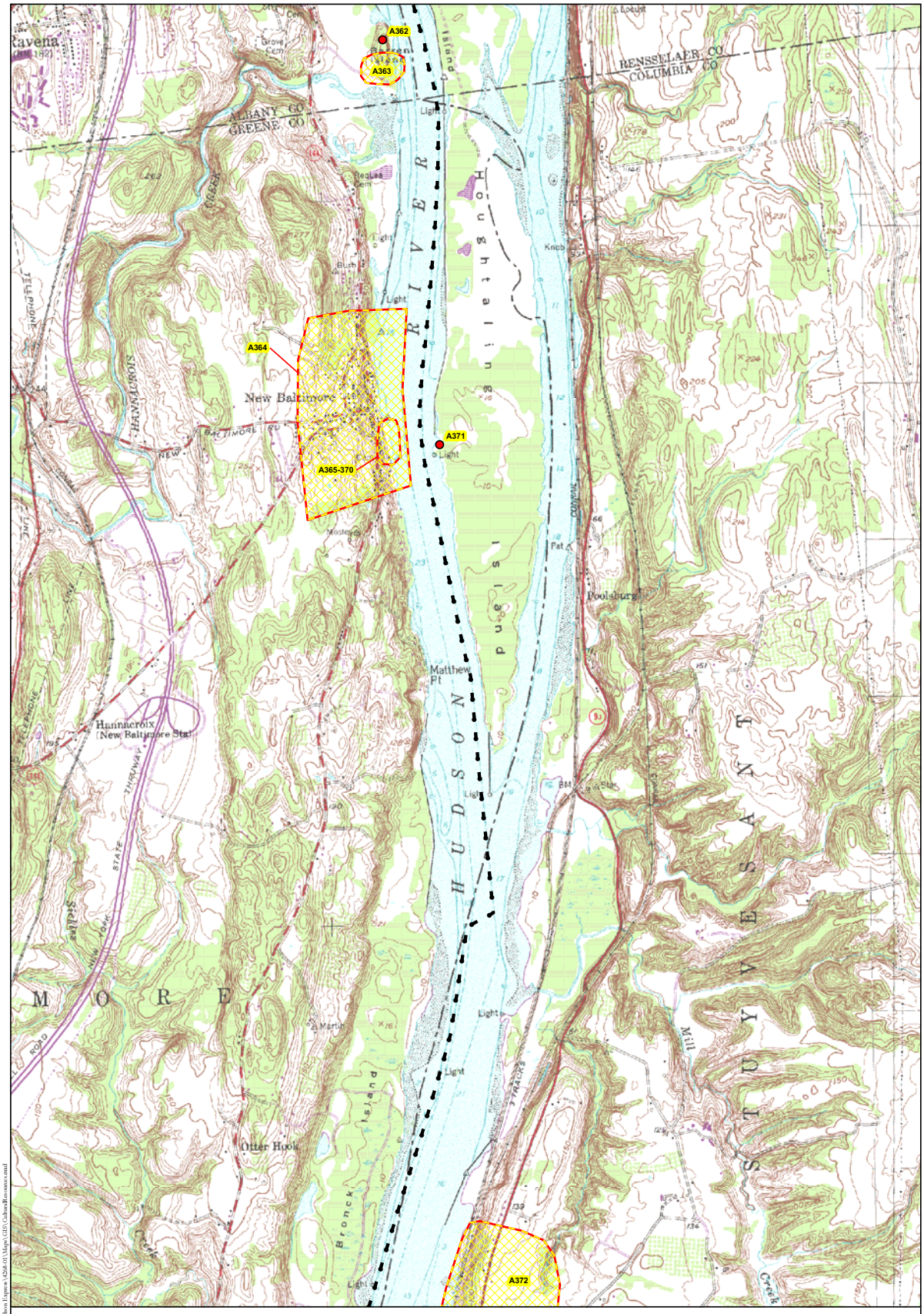
Note: Contour interval is 10 feet.

Archeological Site Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 44 a

JS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268.01\Maps\GIS\CulturalResources.mxd



Legend

- Archeological Site
- A## Archeological Site ID (See Appendix 1)
- Proposed Alignment
- Overland Study Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

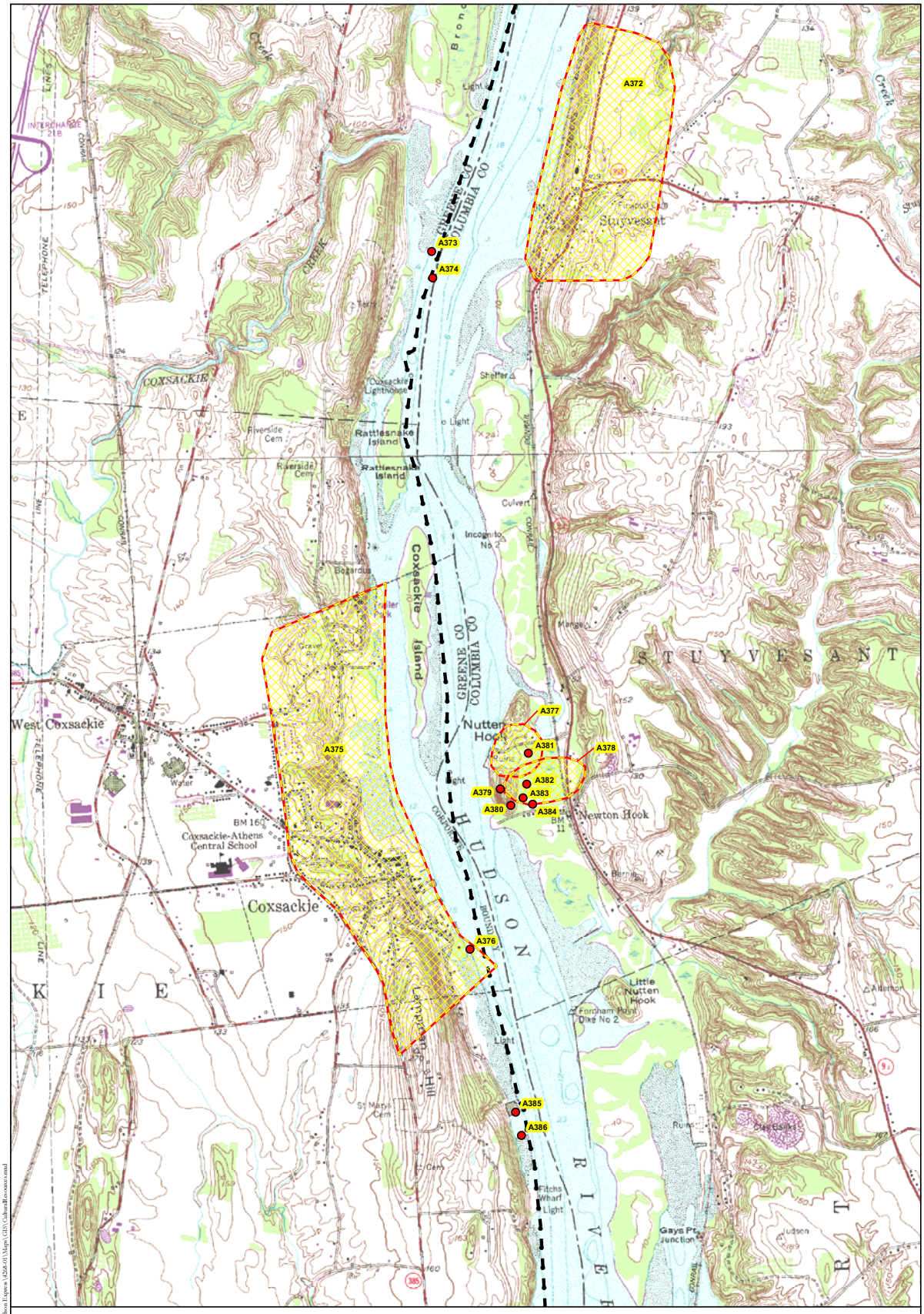
Note: Contour interval is 10 feet.

Archeological Site Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 45 a

JS February 16, 2010 R:\Active Projects\4268 Orange-Hudson Express\4268-01\Maps\GIS\CulturalResources.mxd



Legend

- Archeological Site
- A## Archeological Site ID (See Appendix 1)
- Proposed Alignment
- Overland Study Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

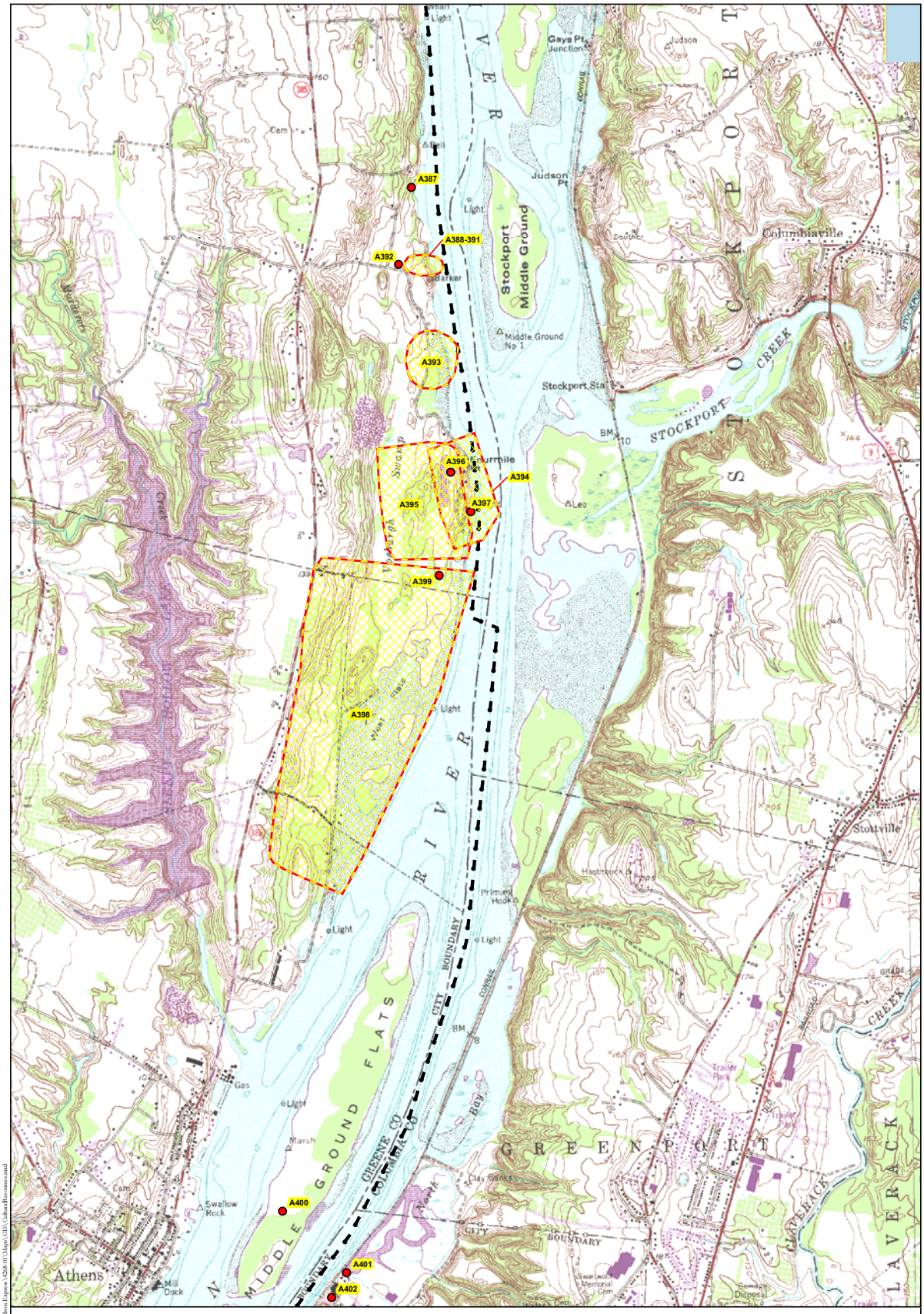
Note: Contour interval is 10 feet.

Archeological Site Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 46 a

JS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268-01\Maps\GIS\CulturalResources.mxd



Legend

- Archeological Site
- A## Archeological Site ID (See Appendix 1)
- Proposed Alignment
- Overland Study Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

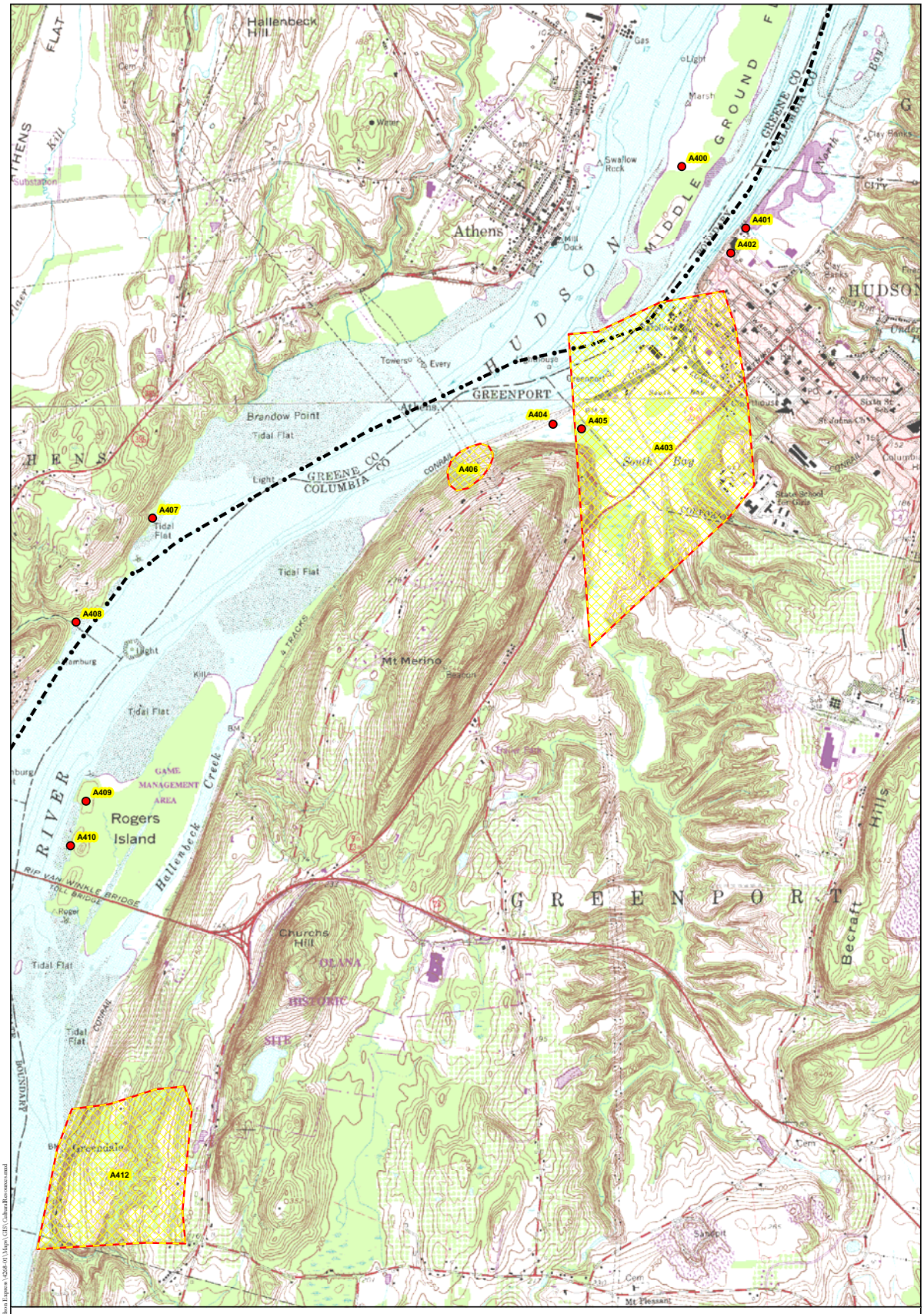
Note: Contour interval is 10 feet.

Archeological Site Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 47 a

DS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268.01\Maps\GIS\CulturalResources.mxd



Legend

- Archeological Site
- A## Archeological Site ID (See Appendix 1)
- Proposed Alignment
- Overland Study Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

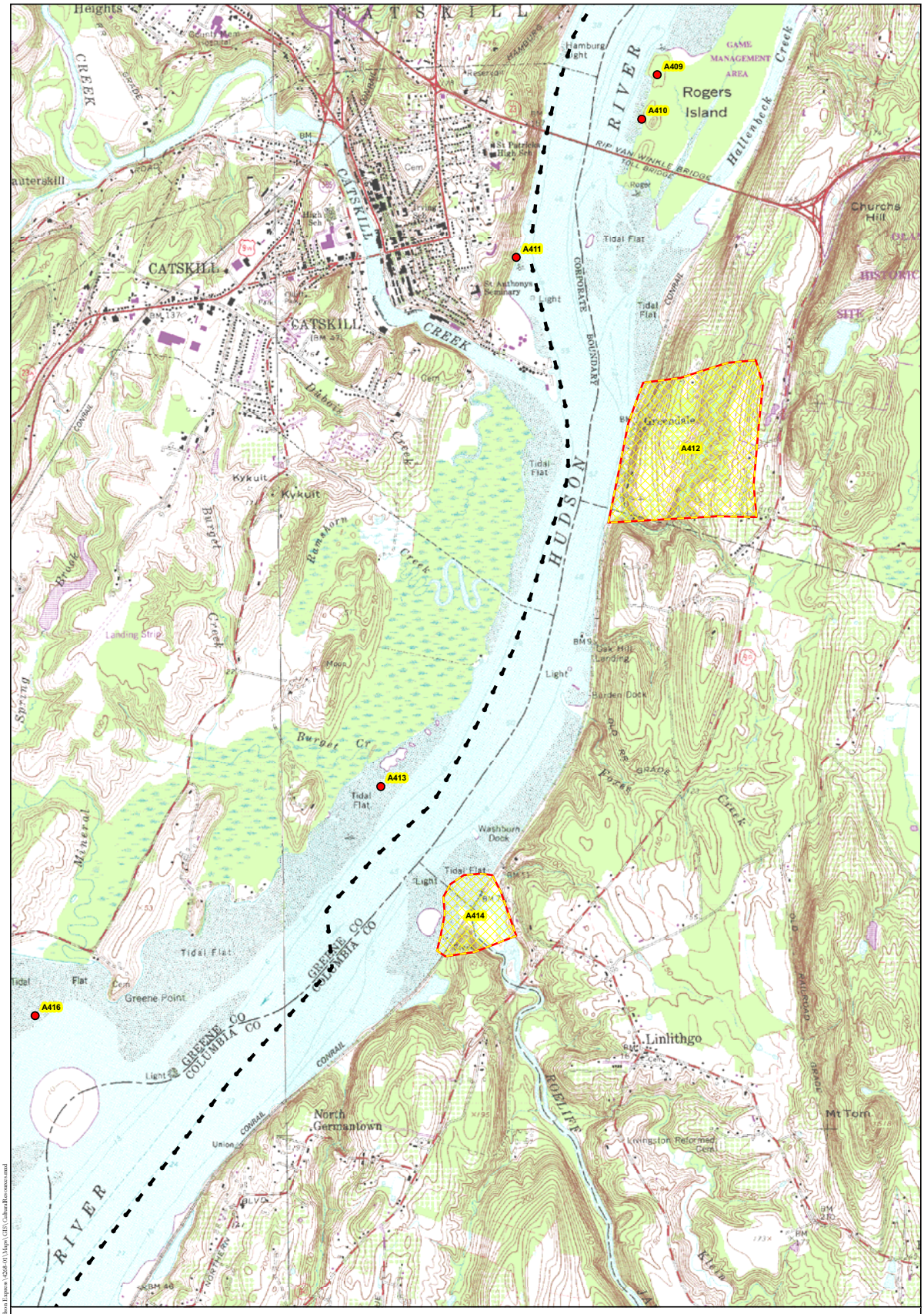
Note: Contour interval is 10 feet.

Archeological Site Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 48 a

DS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268-01\Maps\GIS\CulturalResources.mxd



Legend

- Archeological Site
- A## Archeological Site ID (See Appendix 1)
- Proposed Alignment
- Overland Study Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

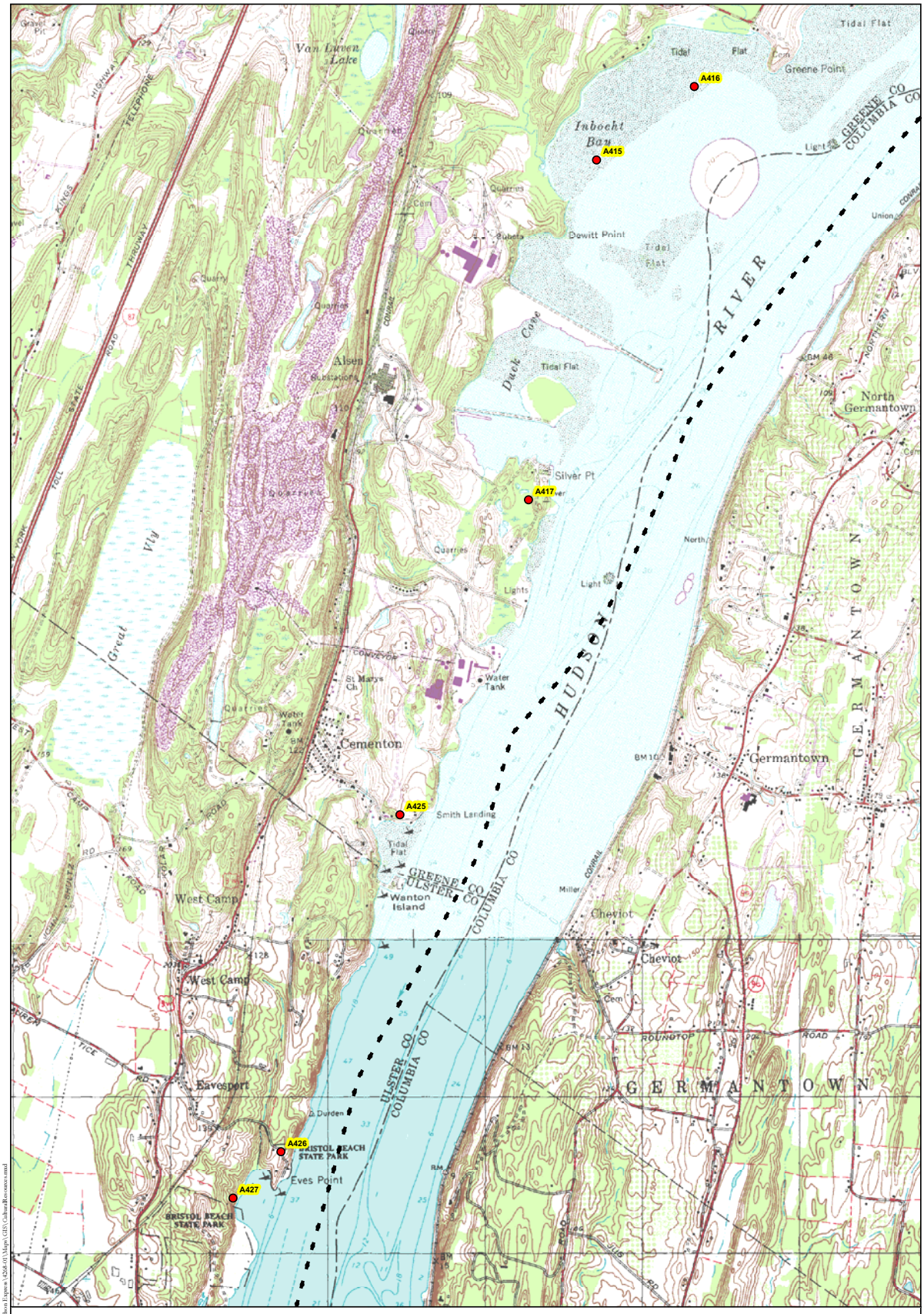
Note: Contour interval is 10 feet.

Archeological Site Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 49 a

JS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268-01\Maps\GIS\CulturalResources.mxd



Legend

- Archeological Site
- A## Archeological Site ID (See Appendix 1)
- Proposed Alignment
- Overland Study Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

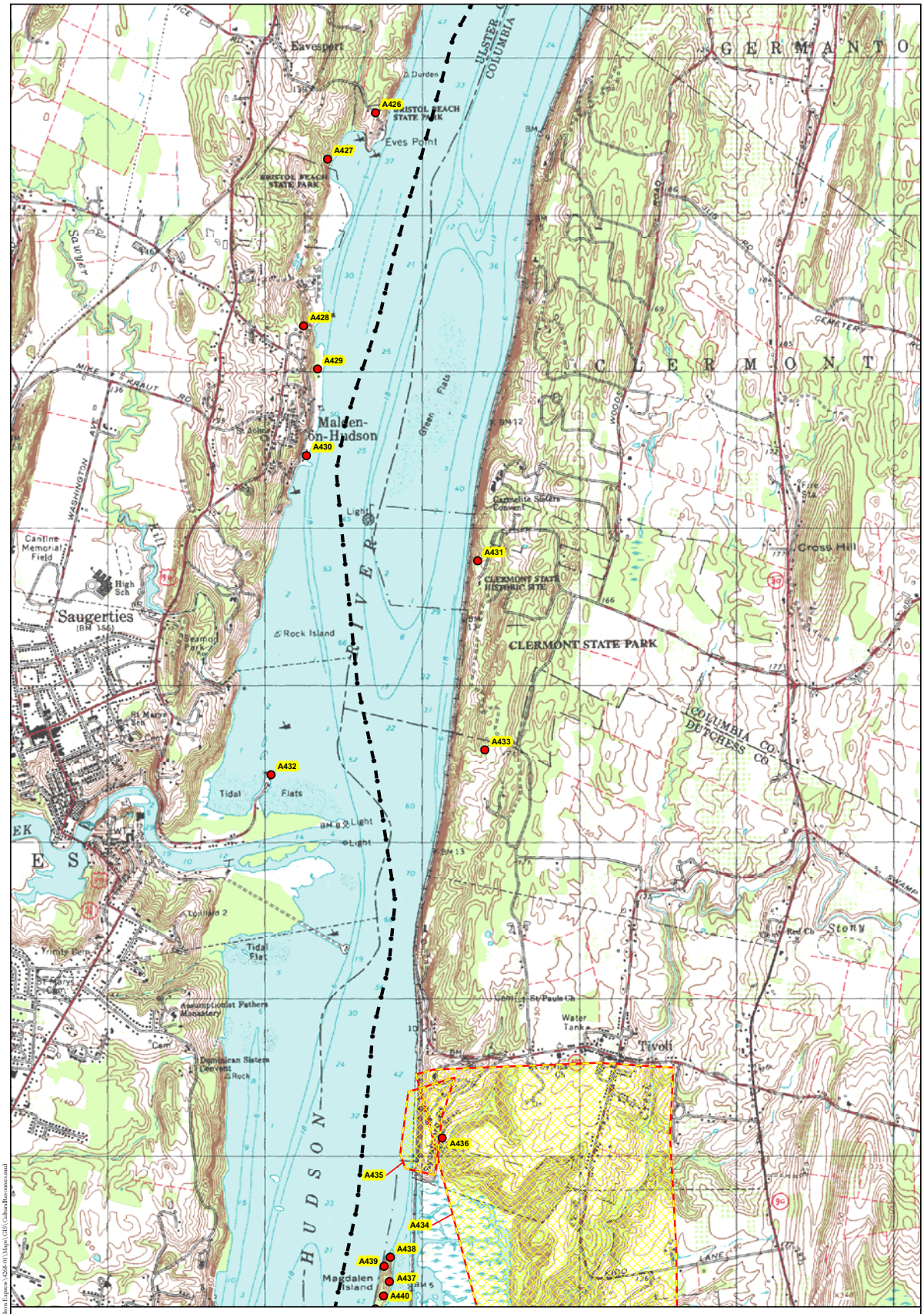
Note: Contour interval is 10 feet.

Archeological Site Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 50 a

JS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268.01\Maps\GIS\CulturalResources.mxd



Legend

- Archeological Site
- A## Archeological Site ID (See Appendix 1)
- Proposed Alignment
- Overland Study Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

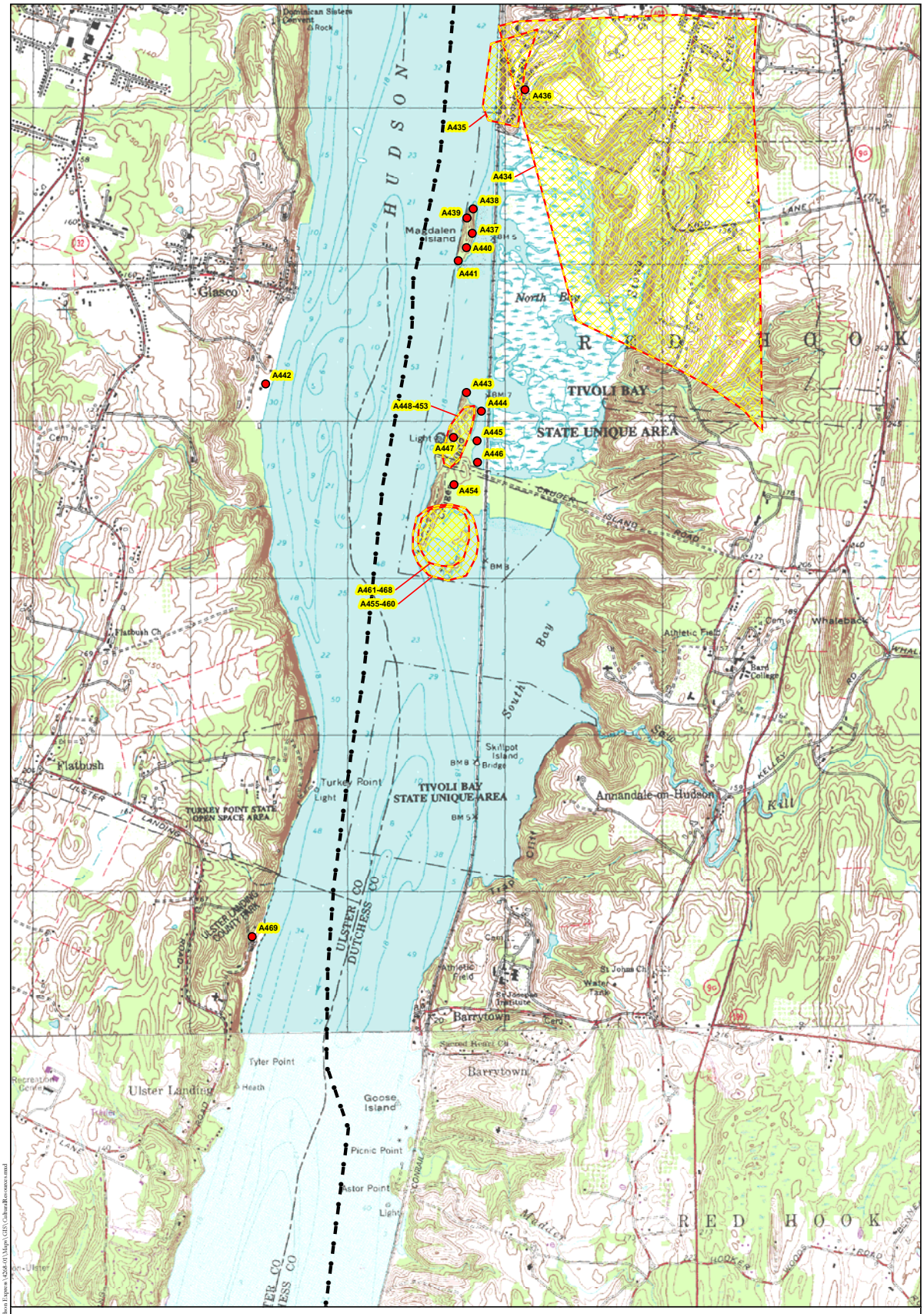
Note: Contour interval is 10 feet.

Archeological Site Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 51 a

JS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268.01\Maps\GIS\CulturalResources.mxd



Legend

- Archeological Site
- A## Archeological Site ID (See Appendix 1)
- Proposed Alignment
- Overland Study Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

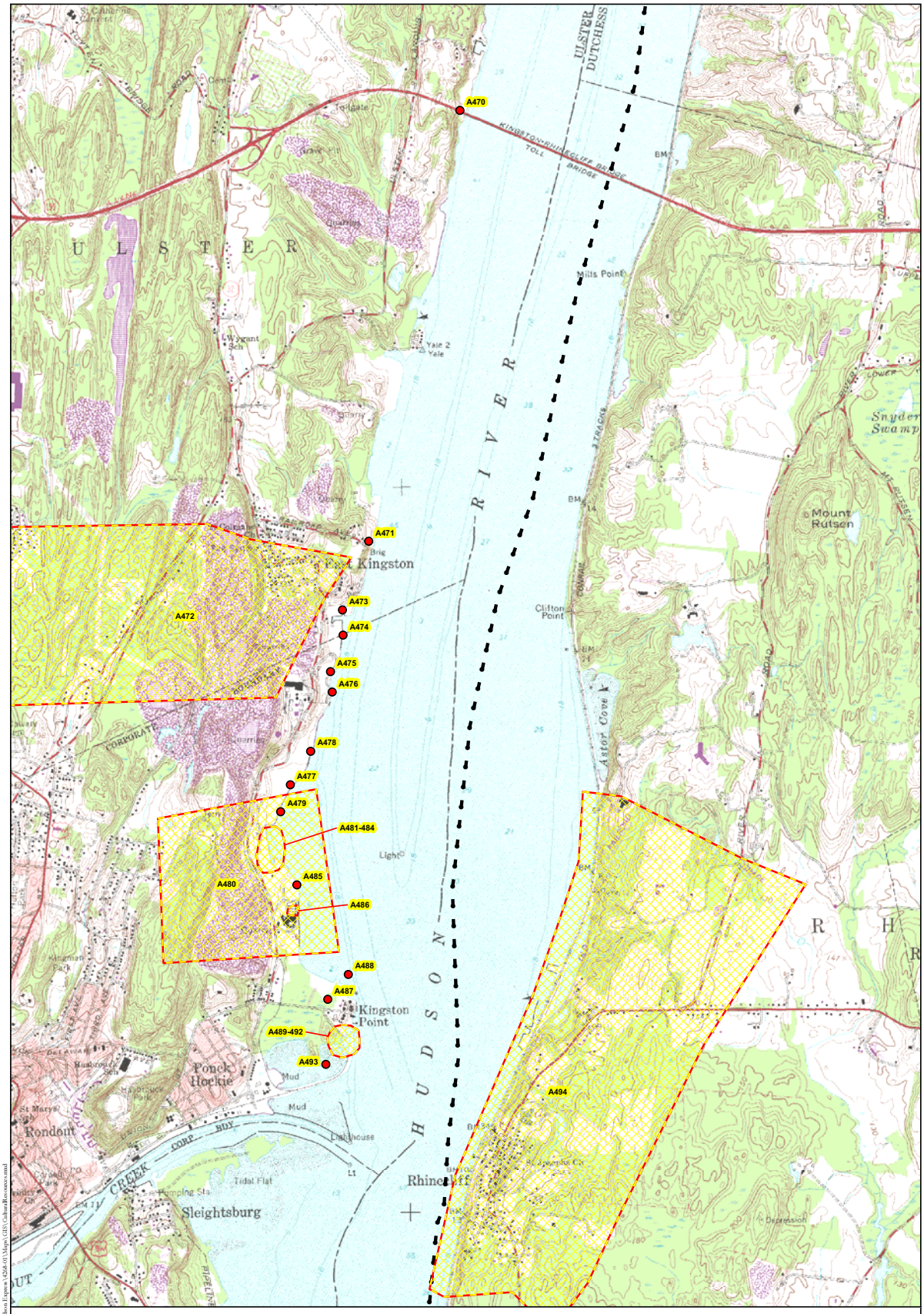
Note: Contour interval is 10 feet.

Archeological Site Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 52 a

ES February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268.01\Maps\GIS\CulturalResources.mxd



Legend

- Archeological Site
- A## Archeological Site ID (See Appendix 1)
- Proposed Alignment
- Overland Study Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

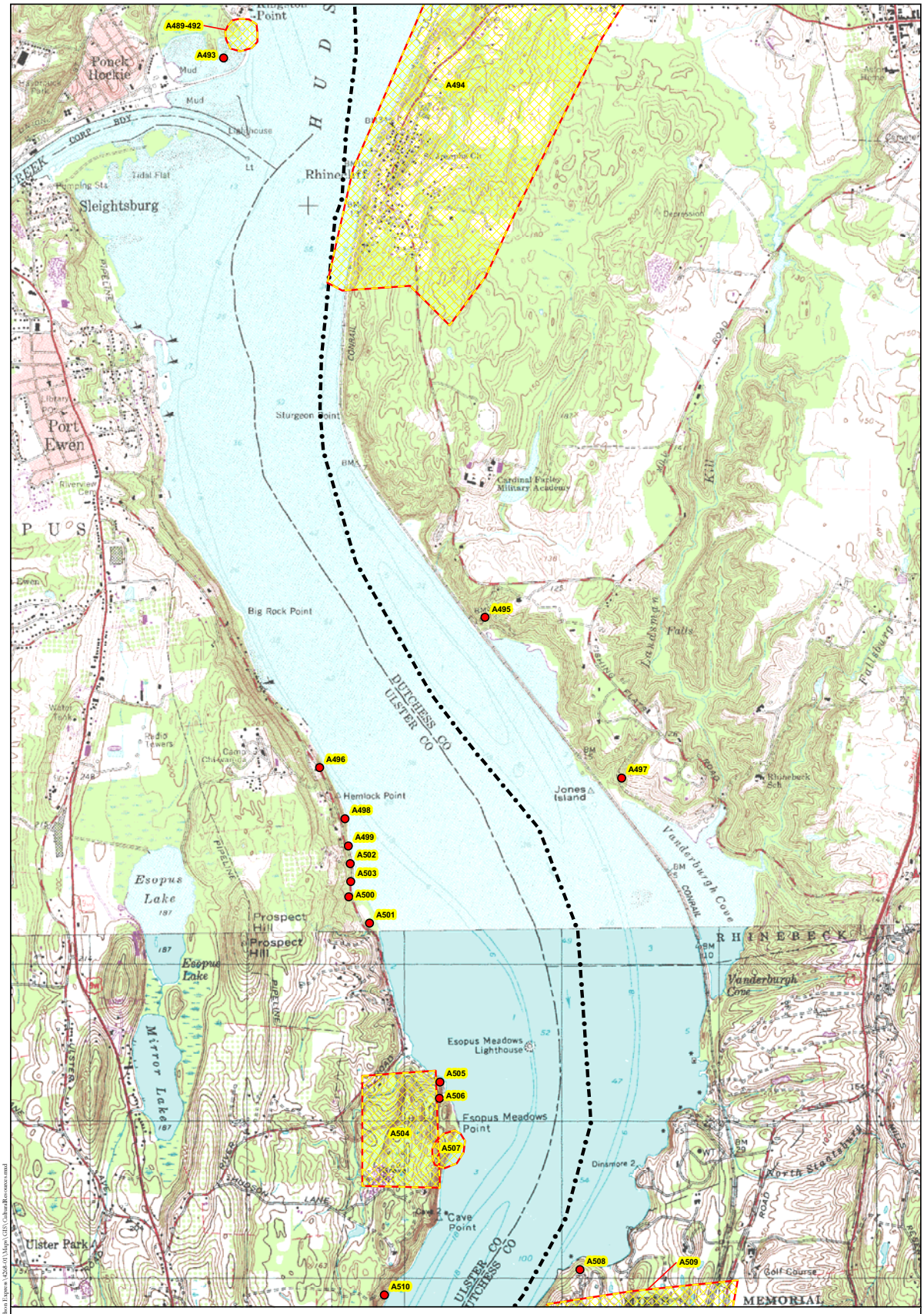
Note: Contour interval is 10 feet.

Archeological Site Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 53 a

DS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268.01\Maps\GIS\CulturalResources.mxd



Legend

- Archeological Site
- A## Archeological Site ID (See Appendix 1)
- Proposed Alignment
- Overland Study Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

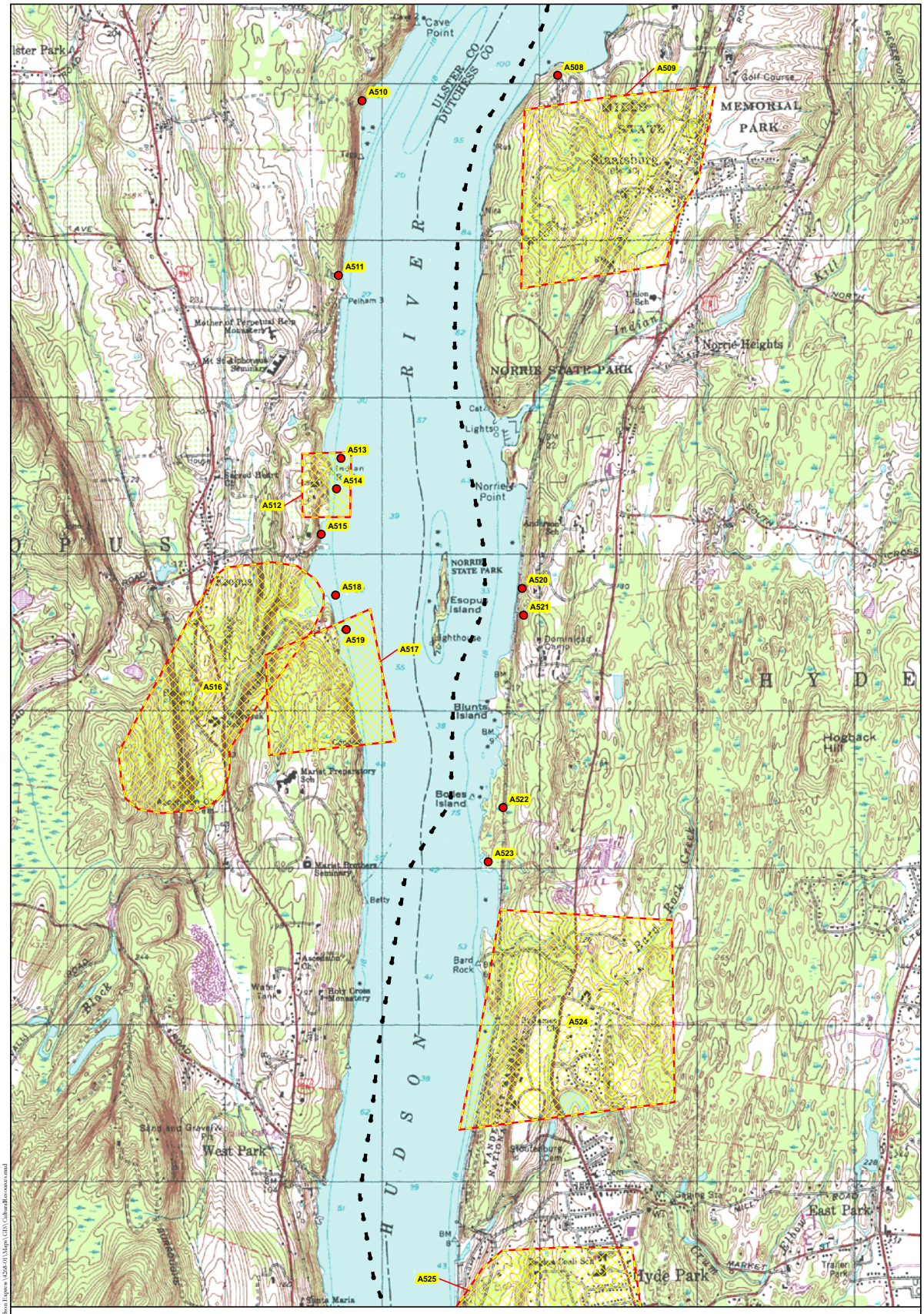
Note: Contour interval is 10 feet.

Archeological Site Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 54 a

DS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268-01\Maps\GIS\CulturalResources.mxd



Legend

- Archeological Site
- A## Archeological Site ID (See Appendix 1)
- Proposed Alignment
- Overland Study Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

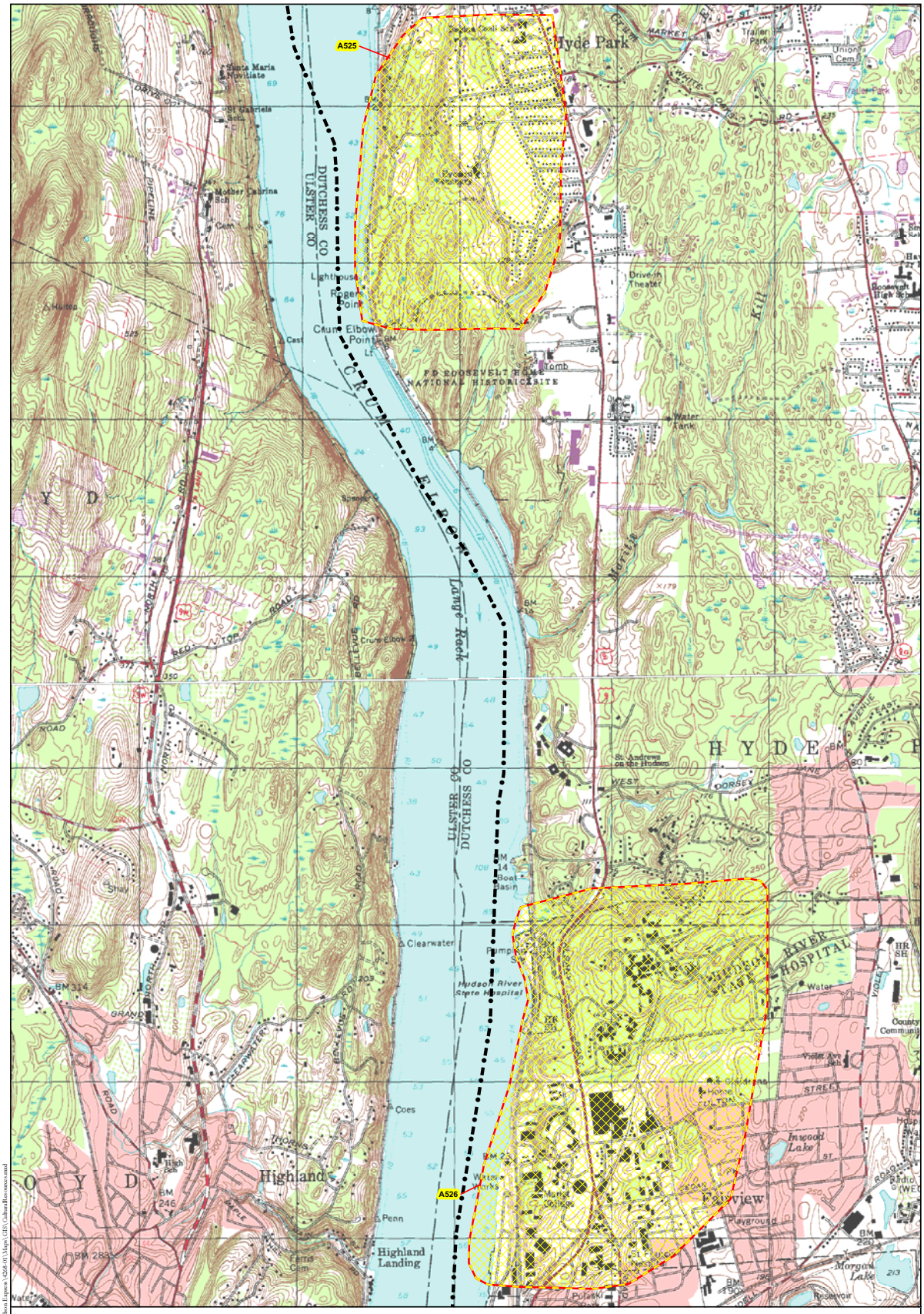
Note: Contour interval is 10 feet.

Archeological Site Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 55 a

JS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268-01\Maps\GIS\CulturalResources.mxd



Legend

- Archeological Site
- A## Archeological Site ID (See Appendix 1)
- Proposed Alignment
- Overland Study Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

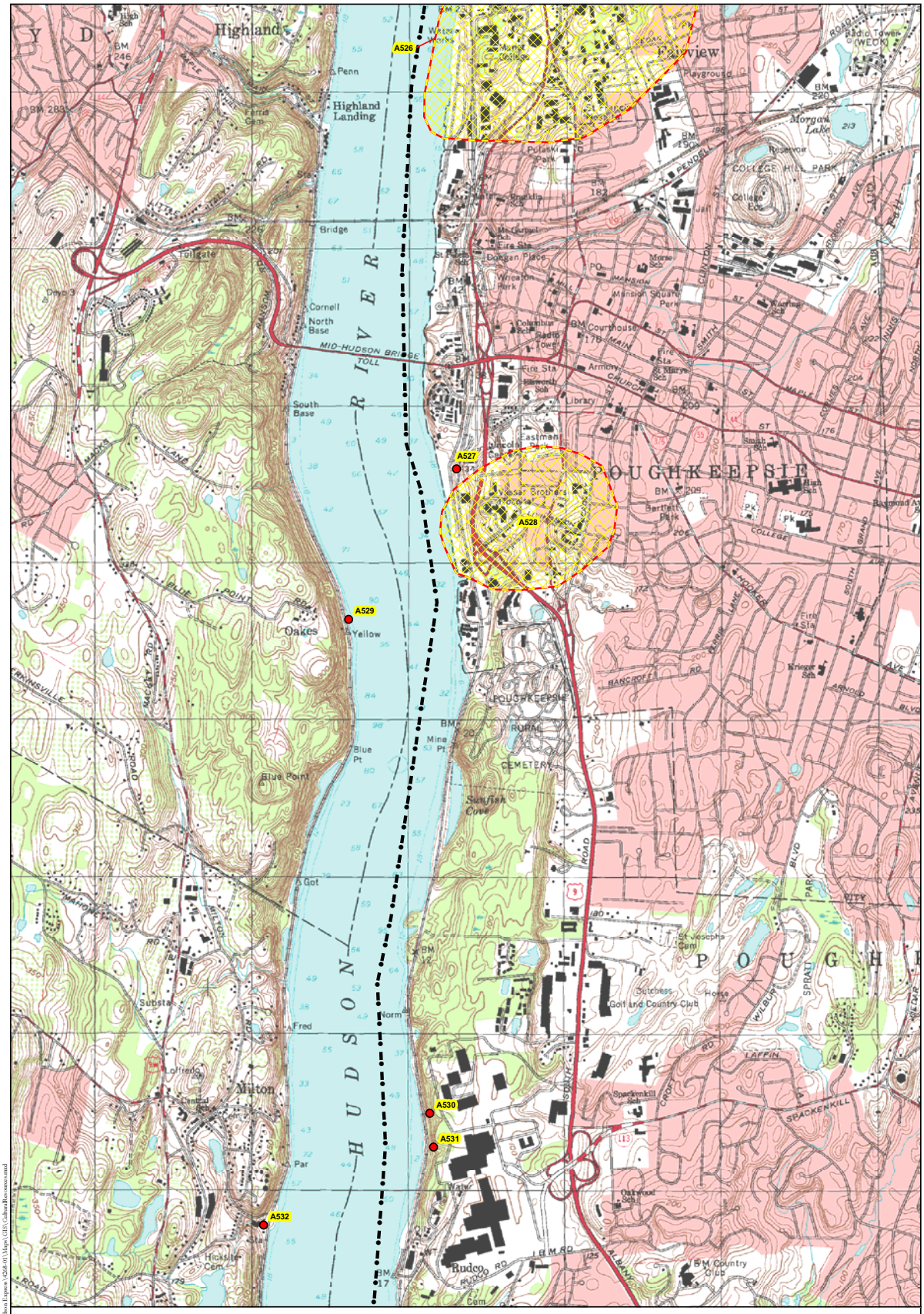
Note: Contour interval is 10 feet.

Archeological Site Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 56 a

JS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268.01\Maps\GIS\CulturalResources.mxd



Legend

- Archeological Site
- A## Archeological Site ID (See Appendix 1)
- Proposed Alignment
- Overland Study Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

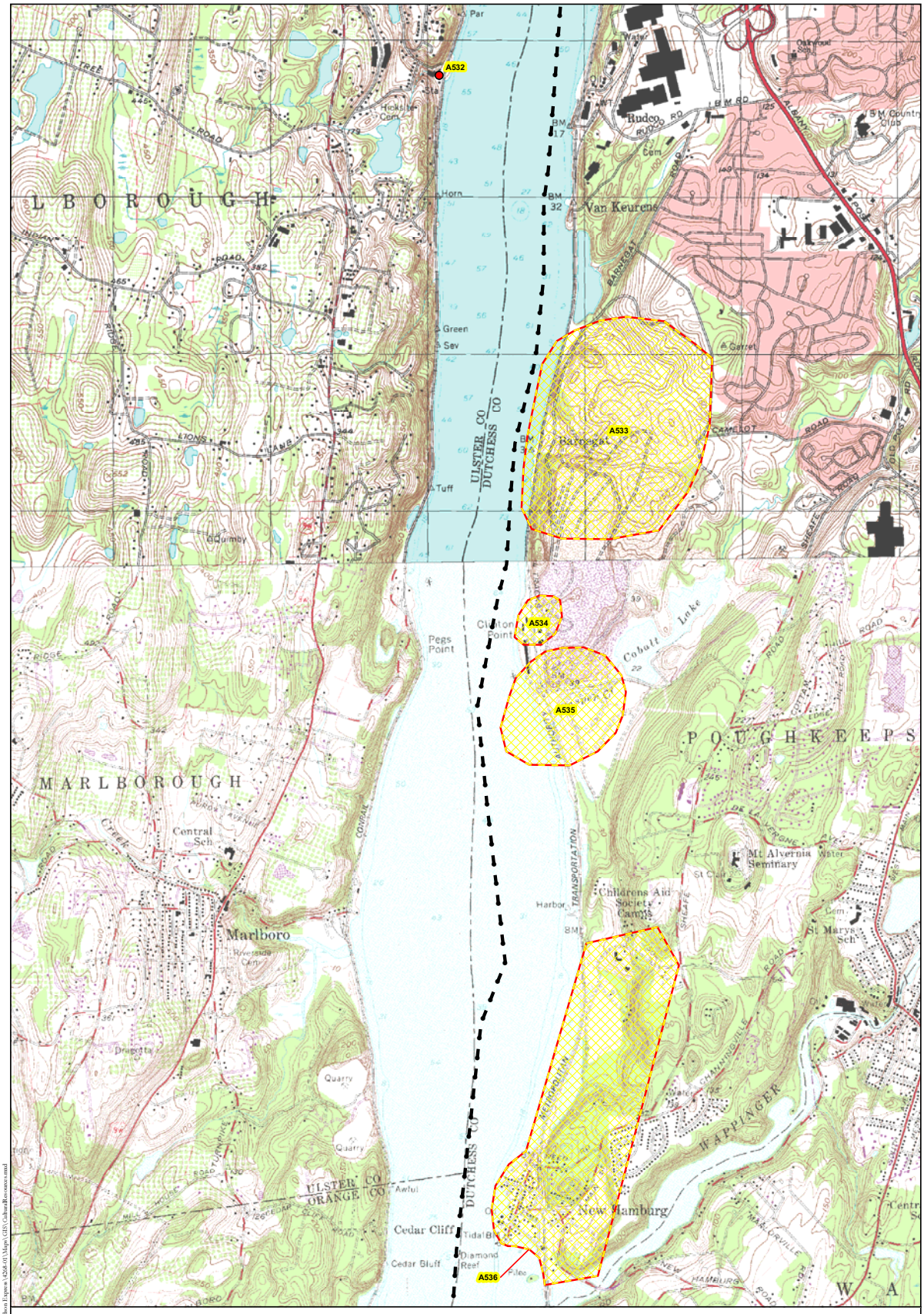
Note: Contour interval is 10 feet.

Archeological Site Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 57 a

JS February 16, 2010 R:\Active Projects\4268 Orange-Hudson Express\4268.01\Maps\GIS\CulturalResources.mxd



Legend

- Archeological Site
- A## Archeological Site ID (See Appendix 1)
- Proposed Alignment
- Overland Study Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

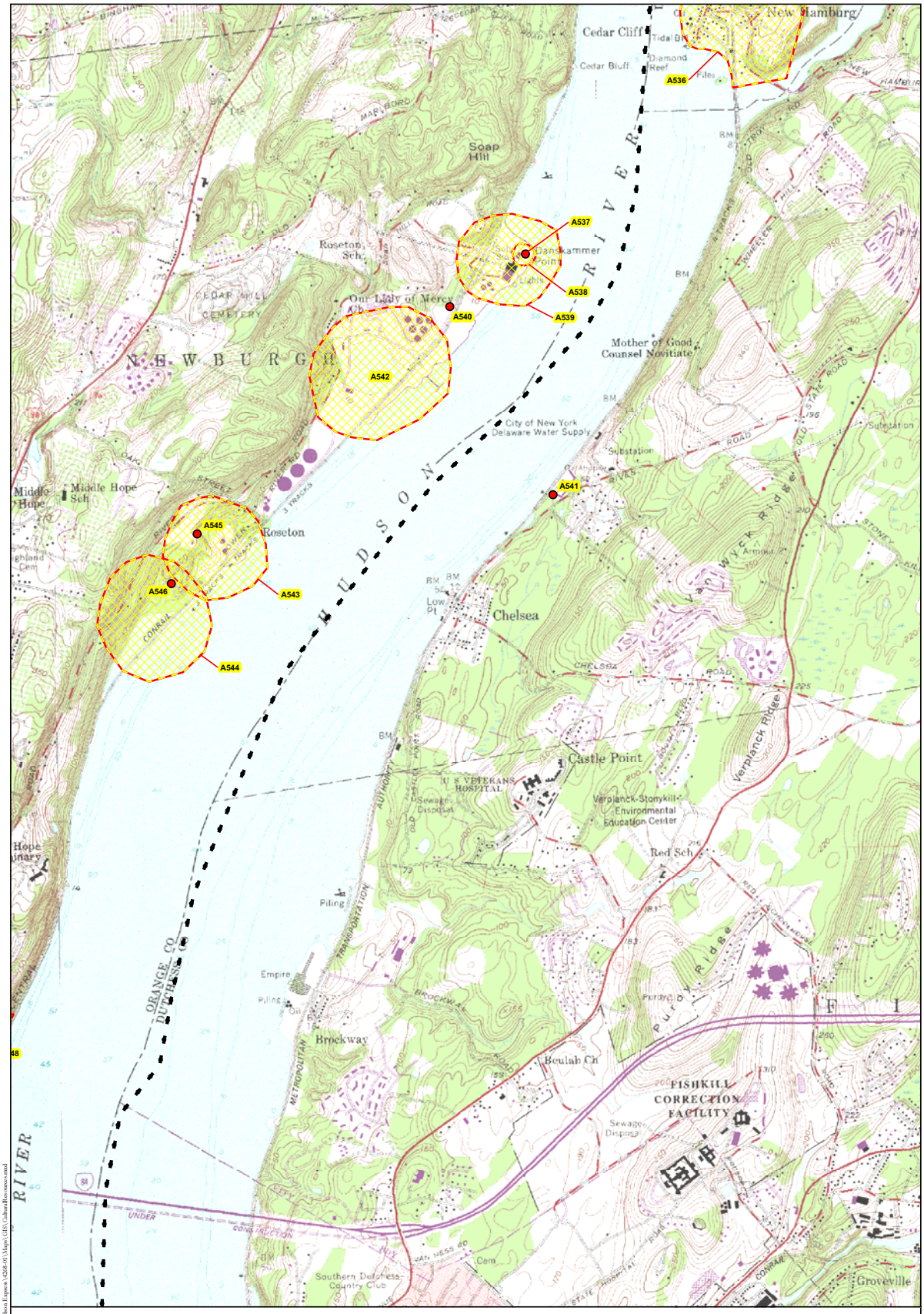
Note: Contour interval is 10 feet.

Archeological Site Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 58 a

DS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268-01\Maps\GIS\CulturalResources.mxd



Legend

- Archeological Site
- A## Archeological Site ID (See Appendix 1)
- Proposed Alignment
- Overland Study Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

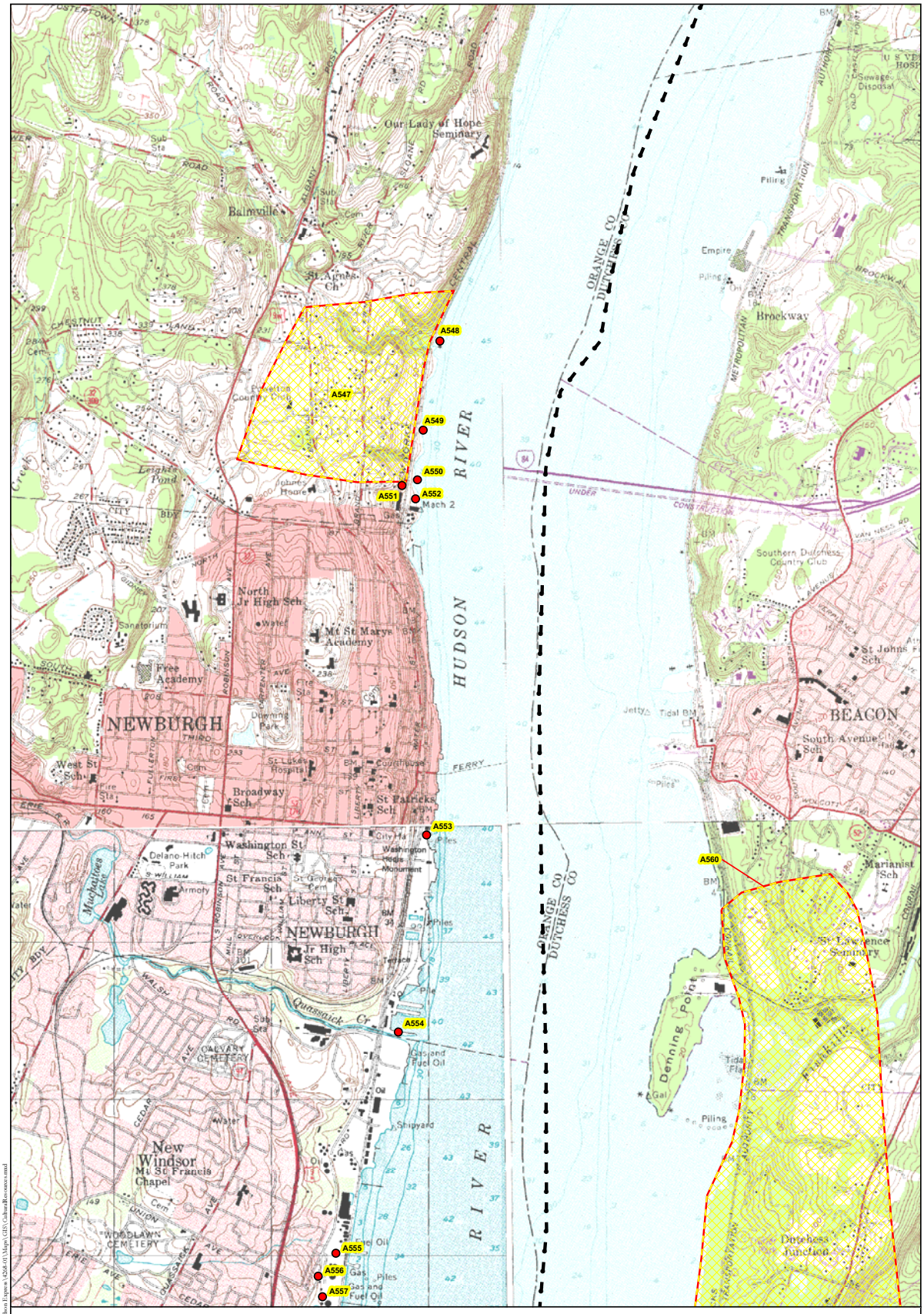
Note: Contour interval is 10 feet.

Archeological Site Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 59 a

DS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268-01\Maps\GIS\CulturalResources.mxd



Legend

- Archeological Site
- A## Archeological Site ID (See Appendix 1)
- Proposed Alignment
- Overland Study Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

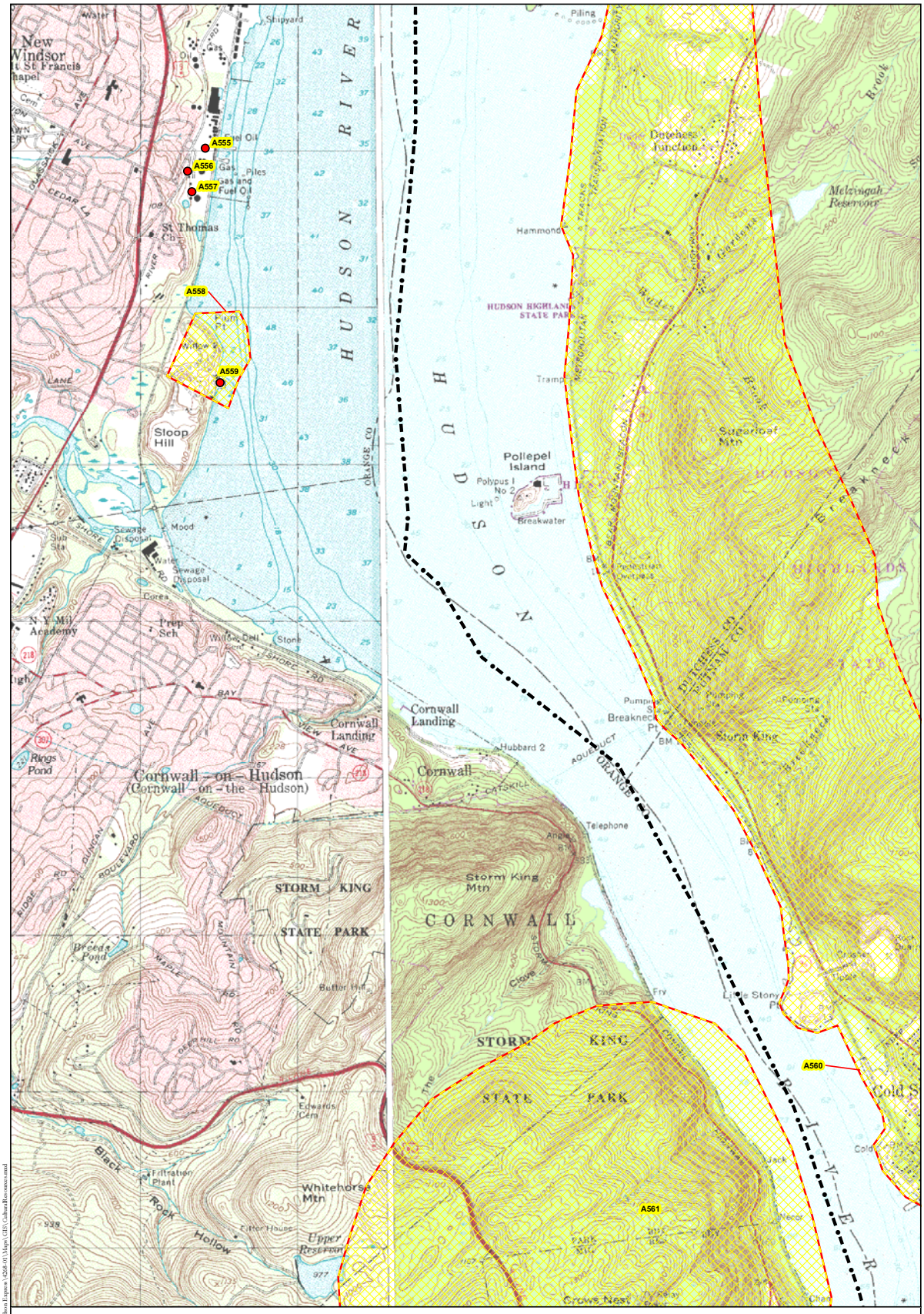
Note: Contour interval is 10 feet.

Archeological Site Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 60 a

DS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268.01\Maps\GIS\CulturalResources.mxd



Legend

- Archeological Site
- A## Archeological Site ID (See Appendix 1)
- Proposed Alignment
- Overland Study Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

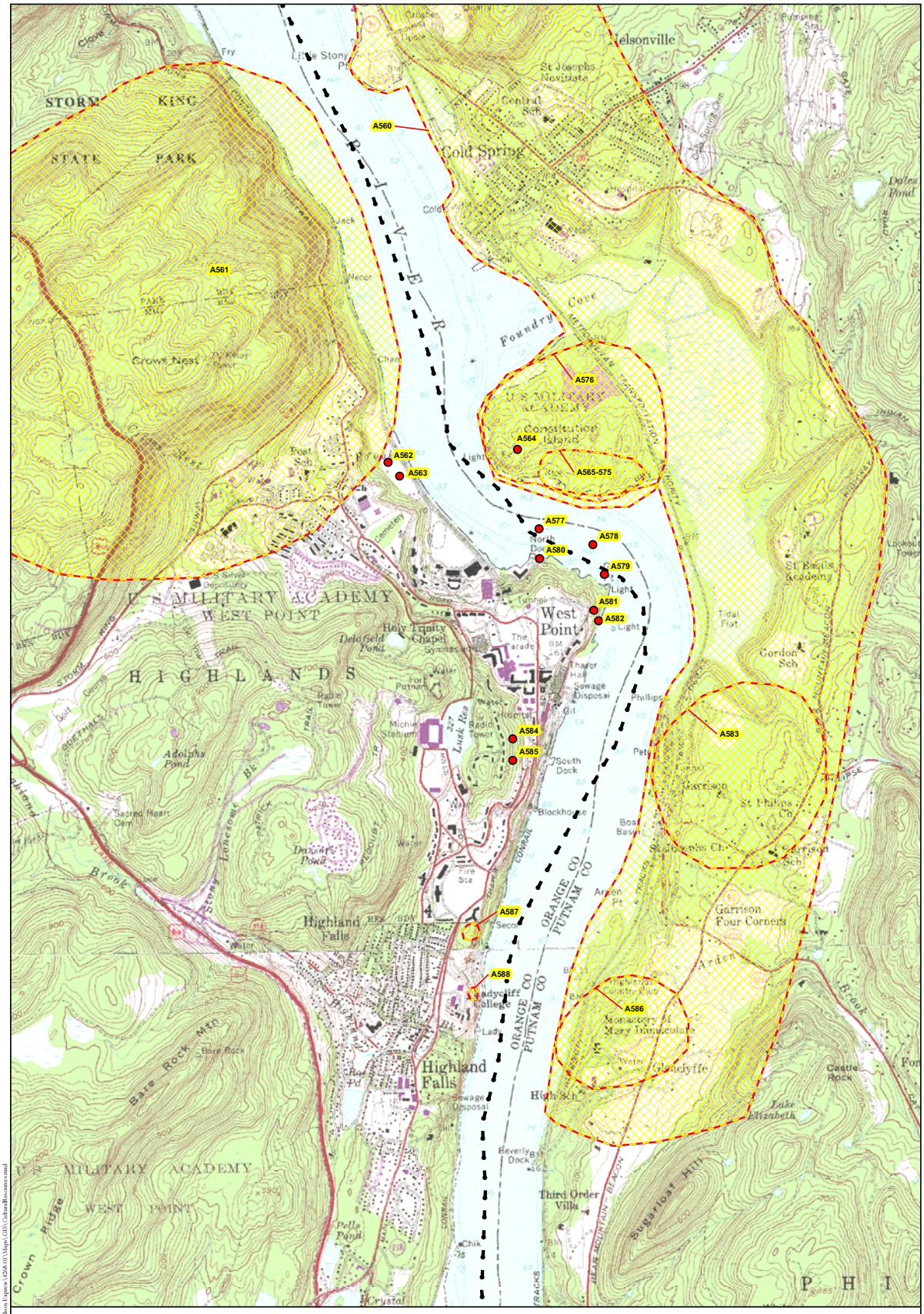
Note: Contour interval is 10 feet.

Archeological Site Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 61 a

JS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268-01\Maps\GIS\CulturalResources.mxd



Legend

- Archeological Site
- A## Archeological Site ID (See Appendix 1)
- Proposed Alignment
- Overland Study Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

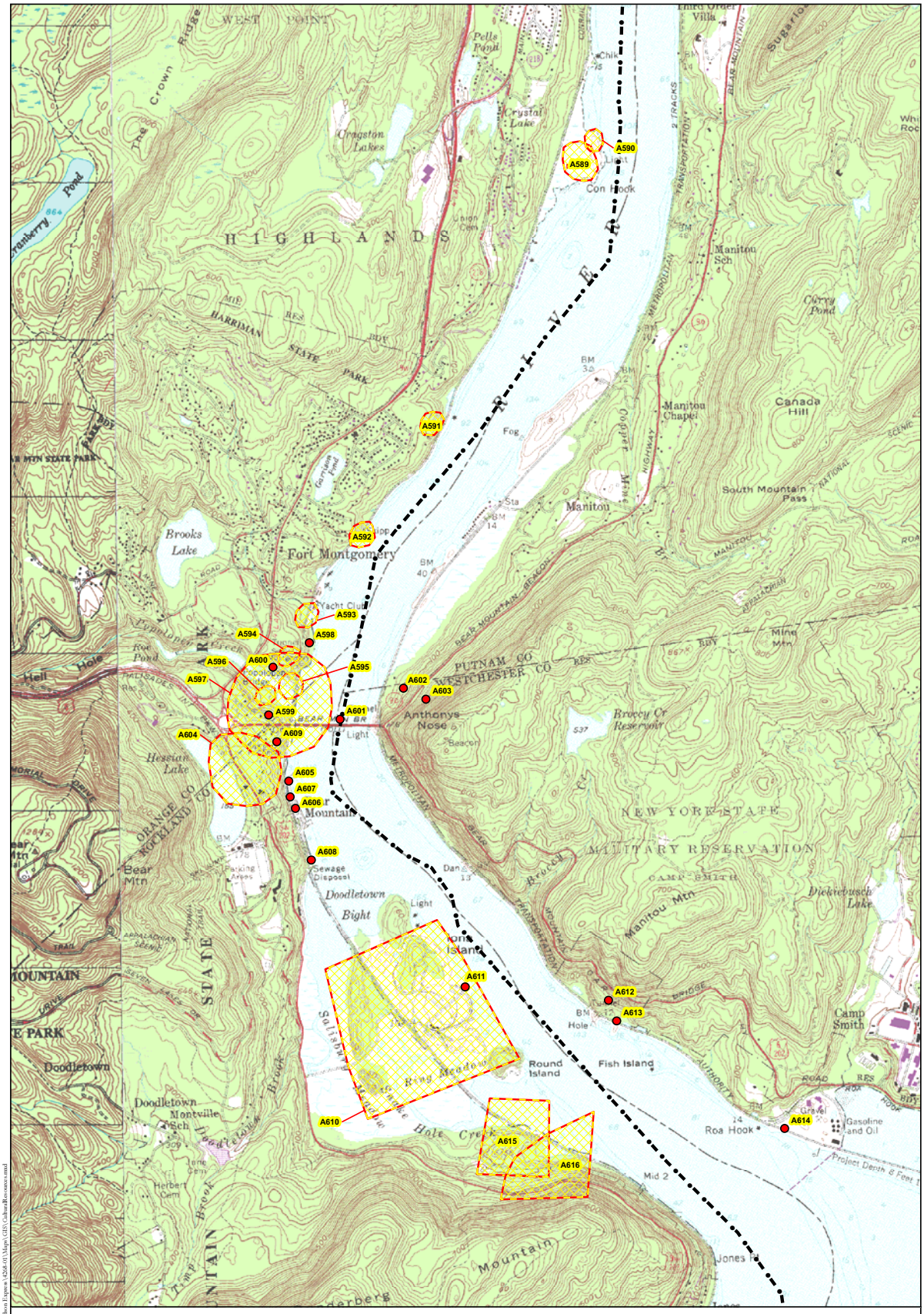
Note: Contour interval is 10 feet.

Archeological Site Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 62 a

DS February 16, 2010 R:\Active Projects\4268 Orange-Hudson Express\4268-01\Maps\GIS\CulturalResources.mxd



Legend

- Archeological Site
- A## Archeological Site ID (See Appendix 1)
- Proposed Alignment
- Overland Study Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

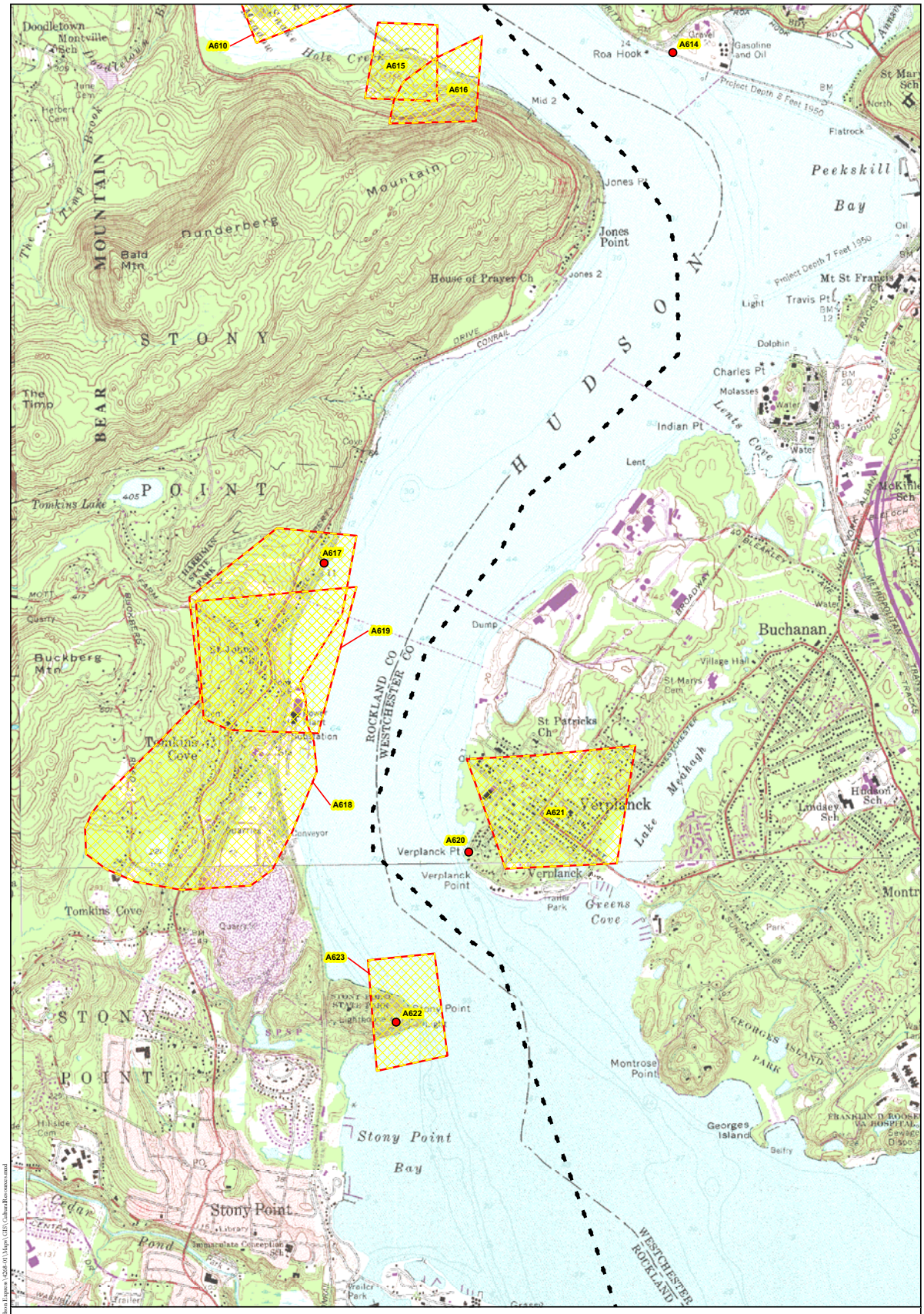
Note: Contour interval is 10 feet.

Archeological Site Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 63 a

DS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268-01\Maps\GIS\CulturalResources.mxd



Legend

- Archeological Site
- A## Archeological Site ID (See Appendix 1)
- Proposed Alignment
- Overland Study Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

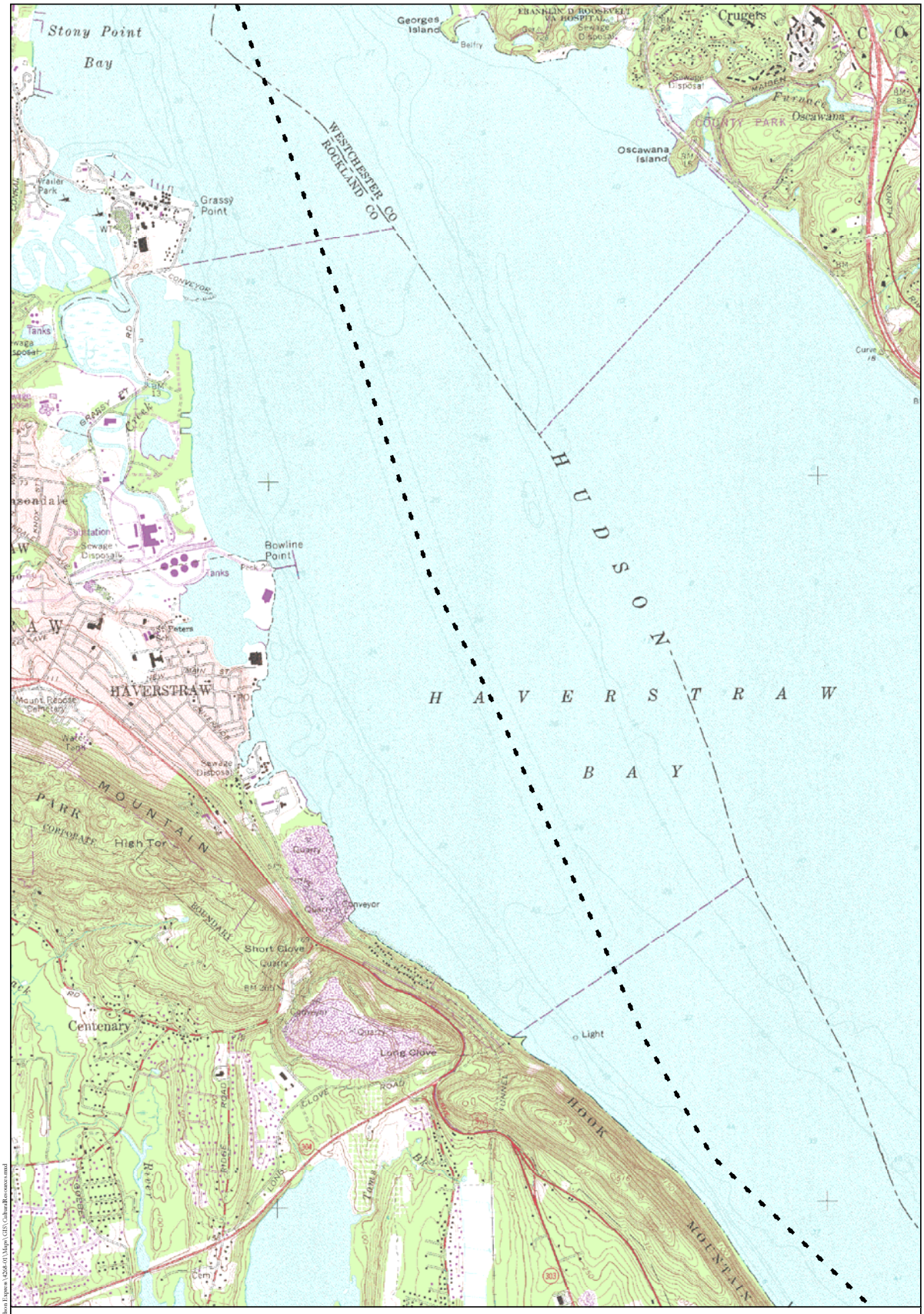
Note: Contour interval is 10 feet.

Archeological Site Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 64 a

JS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268-01\Maps\GIS\CulturalResources.mxd



Legend

- Archeological Site
- A## Archeological Site ID (See Appendix 1)
- Proposed Alignment
- Overland Study Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

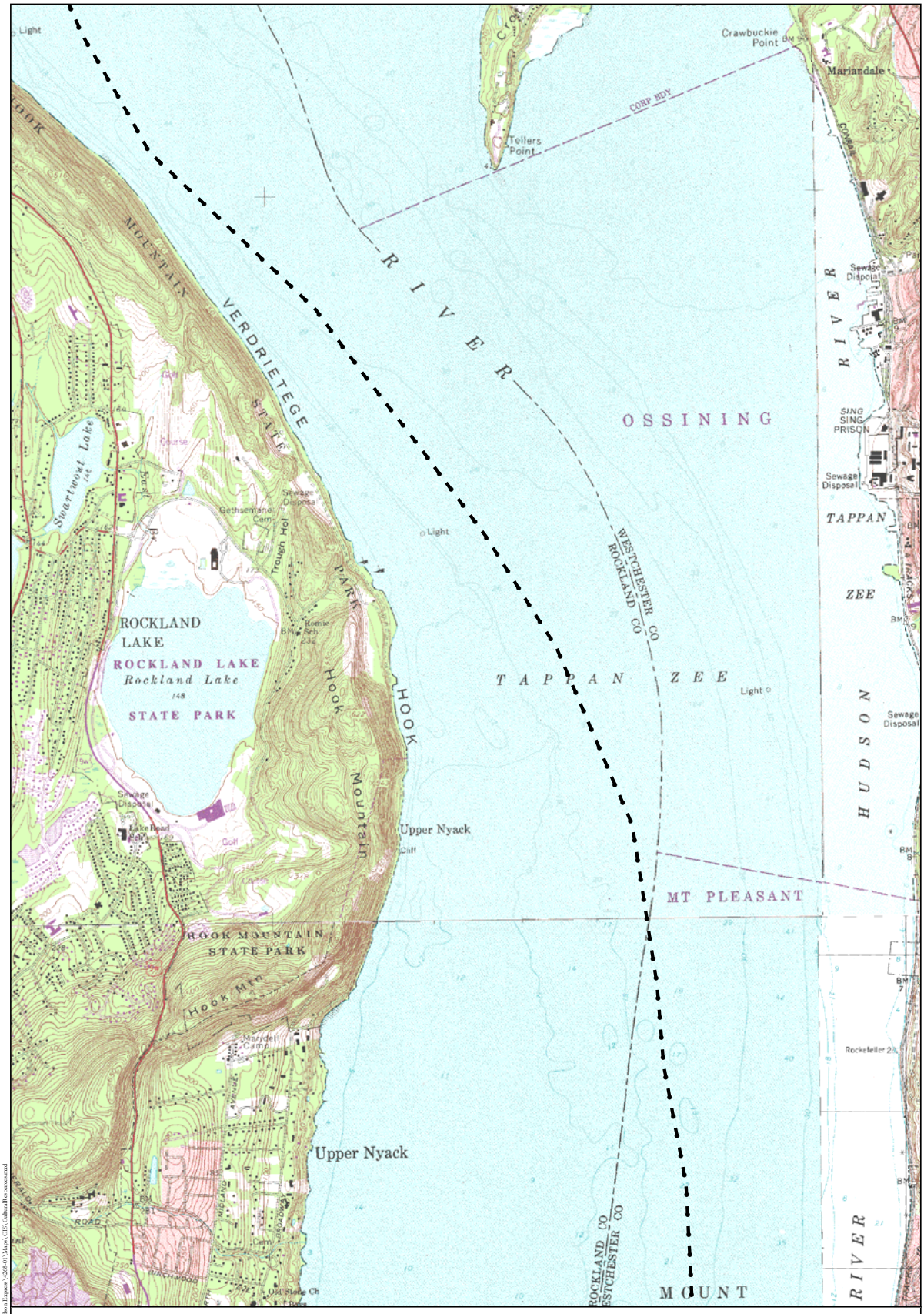
Note: Contour interval is 10 feet.

Archeological Site Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 65 a

DS February 16, 2010 R:\Active Projects\4268 Orange-Hudson Express\4268.01\Maps\GIS\CulturalResources.mxd



Legend

- Archeological Site
- A## Archeological Site ID (See Appendix 1)
- Proposed Alignment
- Overland Study Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

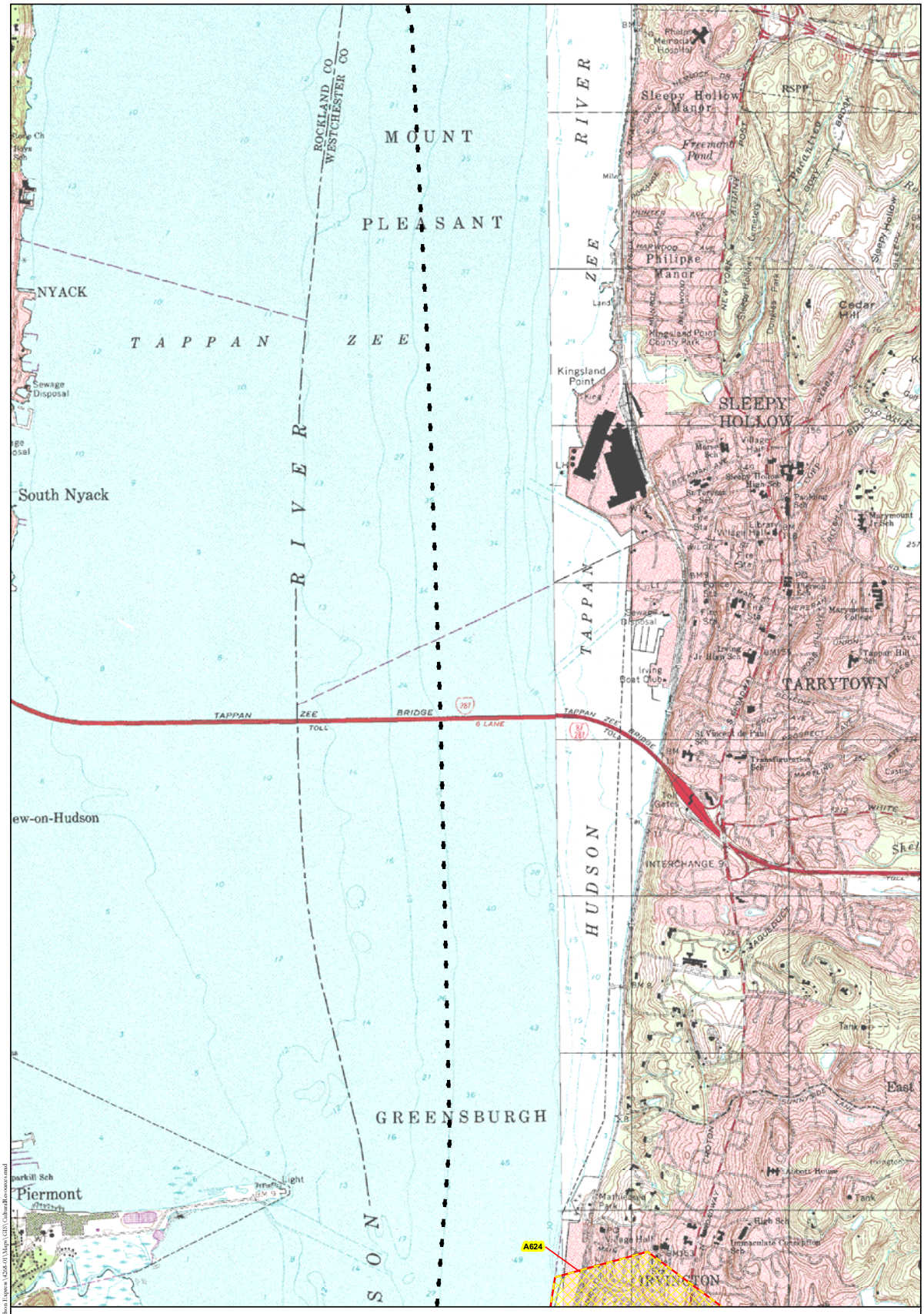
Note: Contour interval is 10 feet.

Archeological Site Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 66 a

DS February 16, 2010 R:\Active Projects\4268 Orange-Hudson Express\4268.01\Maps\GIS\CulturalResources.mxd



Legend

- Archeological Site
- A## Archeological Site ID (See Appendix 1)
- Proposed Alignment
- Overland Study Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

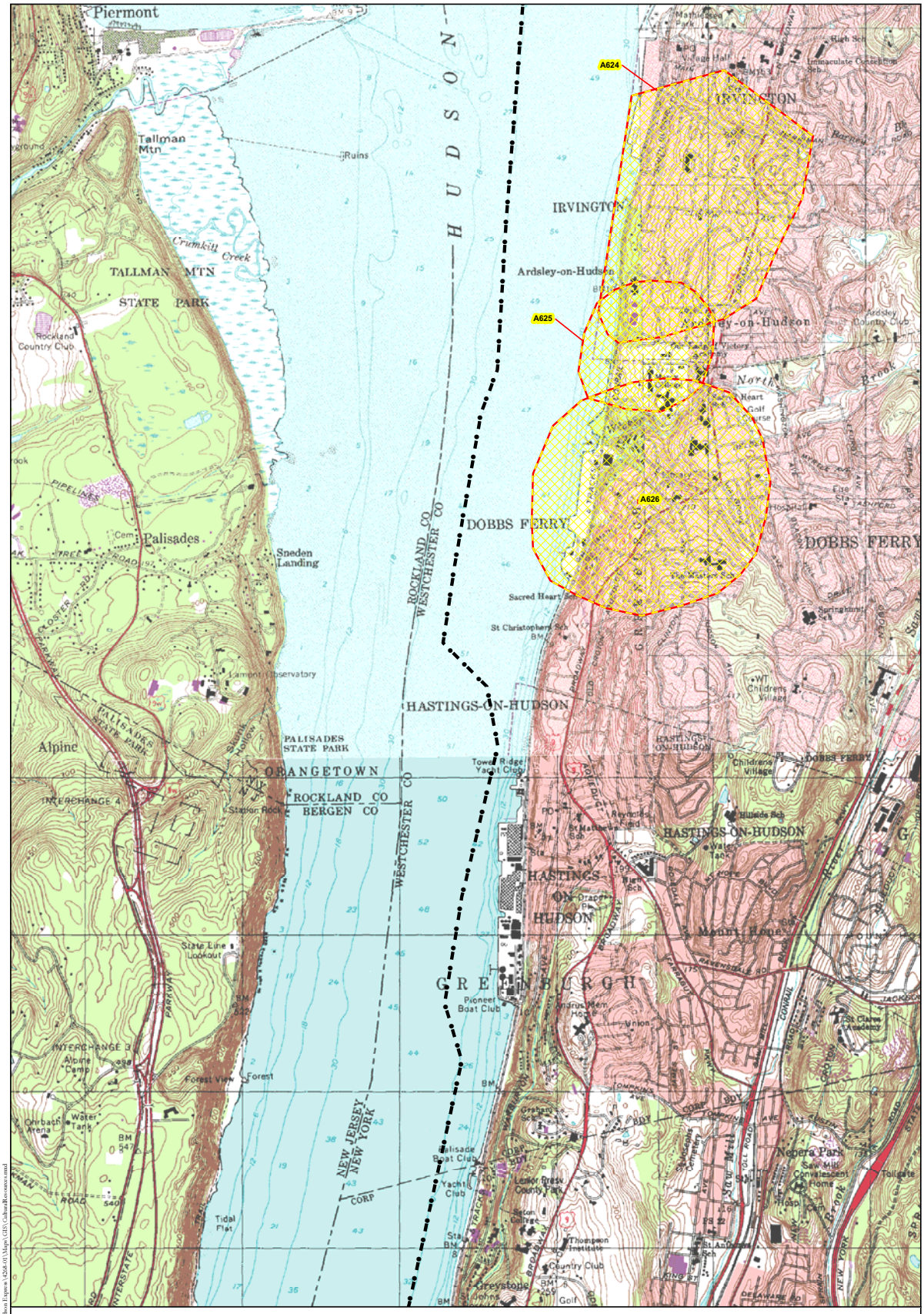
Note: Contour interval is 10 feet.

Archeological Site Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 67 a

DS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268.01\Maps\GIS\CulturalResources.mxd



Legend

- Archeological Site
- A## Archeological Site ID (See Appendix 1)
- Proposed Alignment
- Overland Study Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

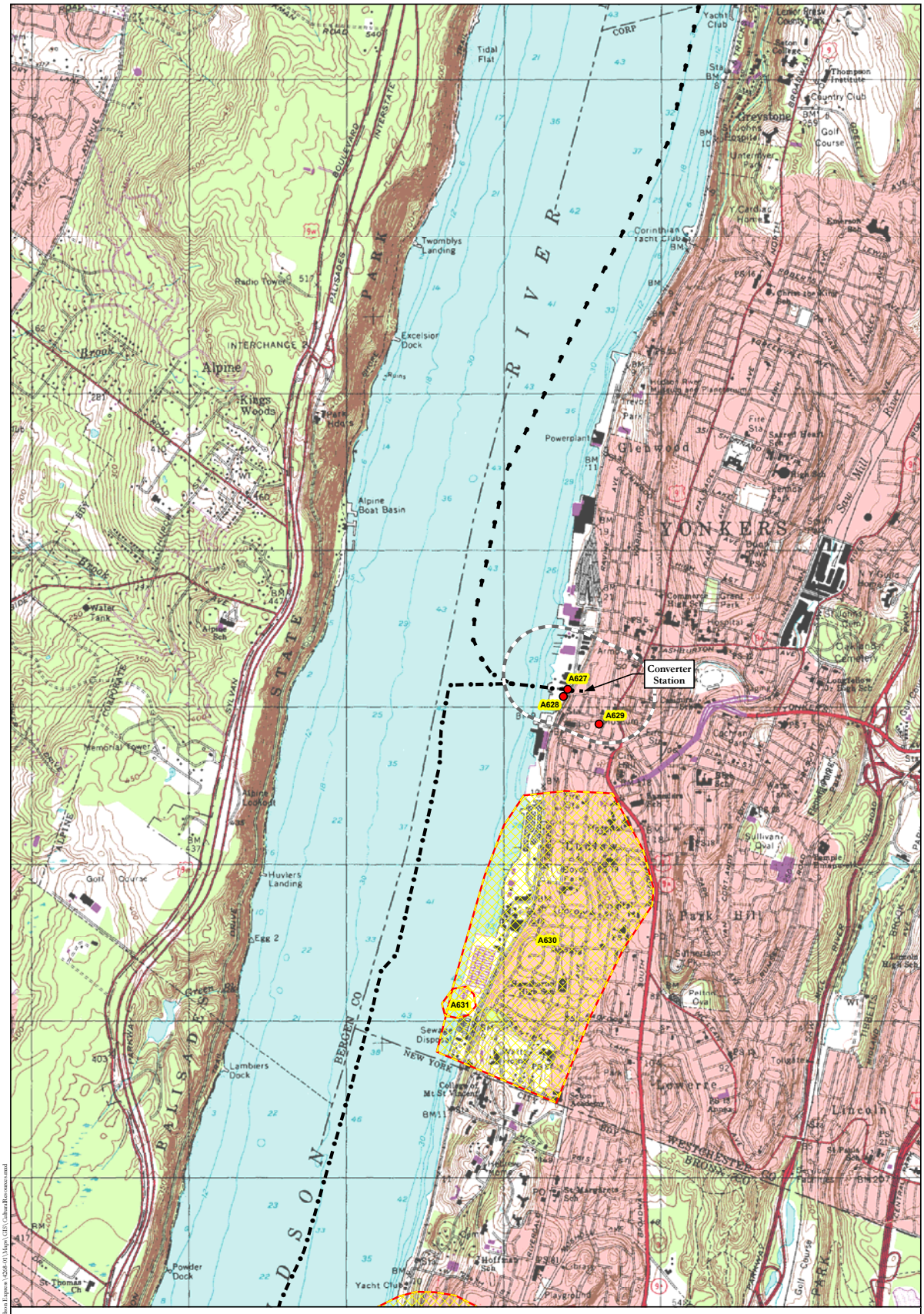
Note: Contour interval is 10 feet.

Archeological Site Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 68 a

DS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268-01\Maps\GIS\CulturalResources.mxd



Legend

- Archeological Site
- A## Archeological Site ID (See Appendix 1)
- Proposed Alignment
- Overland Study Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

Note: Contour interval is 10 feet.

Archeological Site Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 69 a

ES February 16, 2010 R:\Active Projects\4268 Orange-Hudson Express\4268-01\Maps\GIS\CulturalResources.mxd

Legend

- Archeological Site
- A## Archeological Site ID (See Appendix 1)
- Proposed Alignment
- Overland Study Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

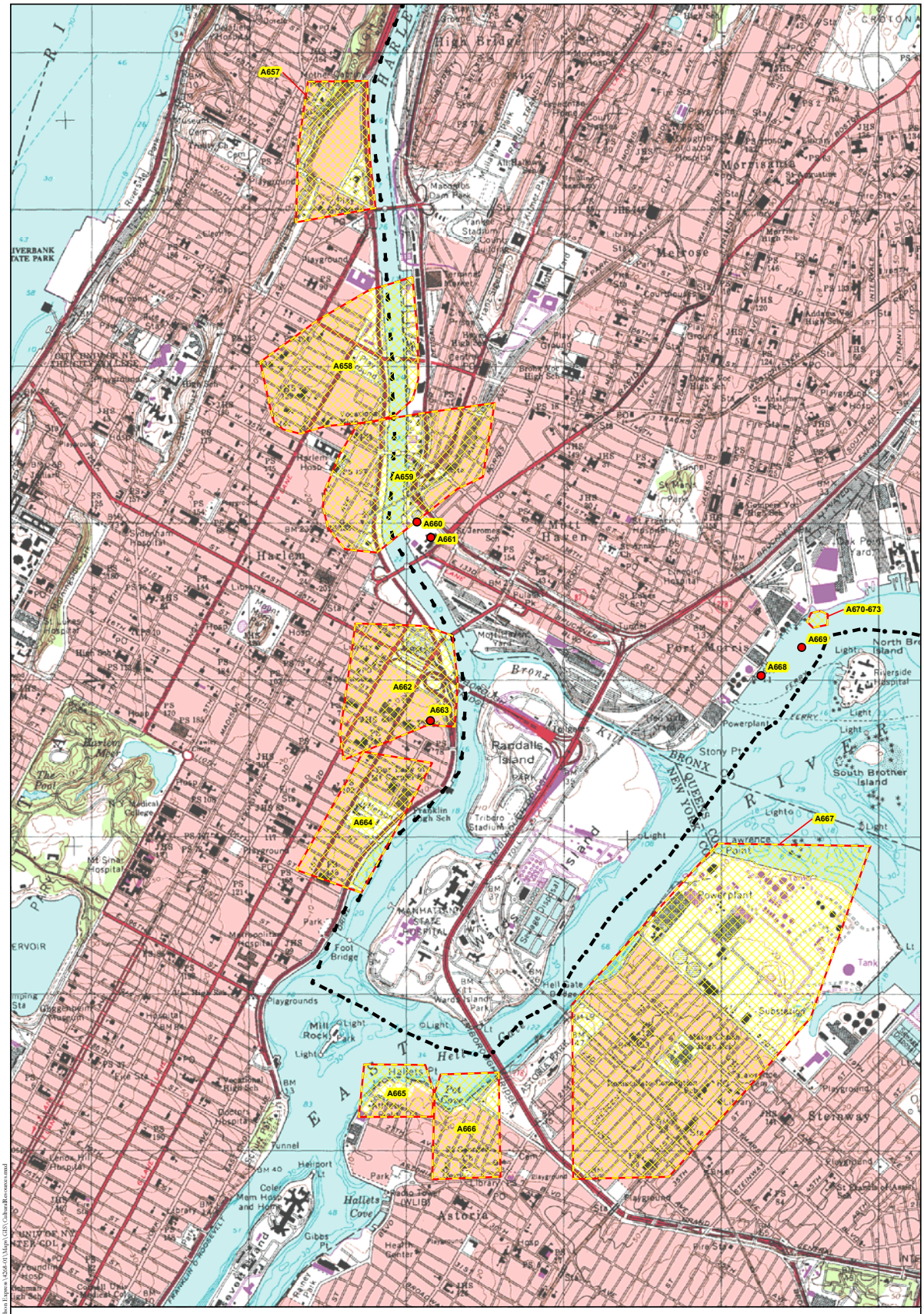
Note: Contour interval is 10 feet.

Archeological Site Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 70 a

ES February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268-01\Maps\GIS\CulturalResources.mxd



Legend

- Archeological Site
- A## Archeological Site ID (See Appendix 1)
- Proposed Alignment
- Overland Study Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

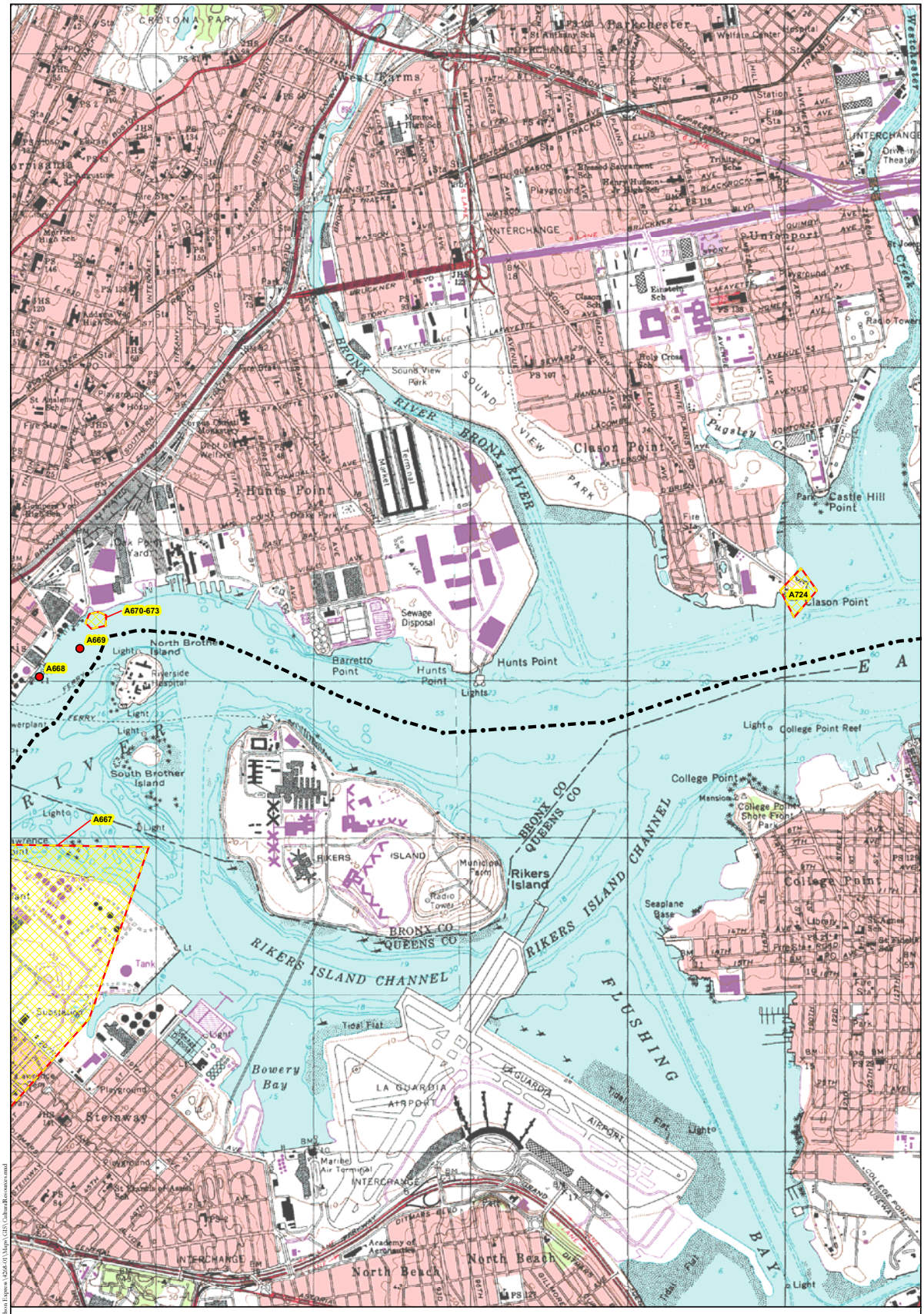
Note: Contour interval is 10 feet.

Archeological Site Locations
(HAA, Inc. 2010)

HARTGEN
archeological associates inc

Map 71 a

ES February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268-01\Maps\GIS\CulturalResources.mxd



Legend

- Archeological Site
- A## Archeological Site ID (See Appendix 1)
- Proposed Alignment
- Overland Study Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

Note: Contour interval is 10 feet.

Archeological Site Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 72 a

JS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268-01\Maps\GIS\CulturalResources.mxd

Legend

- Archeological Site
- A## Archeological Site ID (See Appendix 1)
- Proposed Alignment
- Overland Study Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

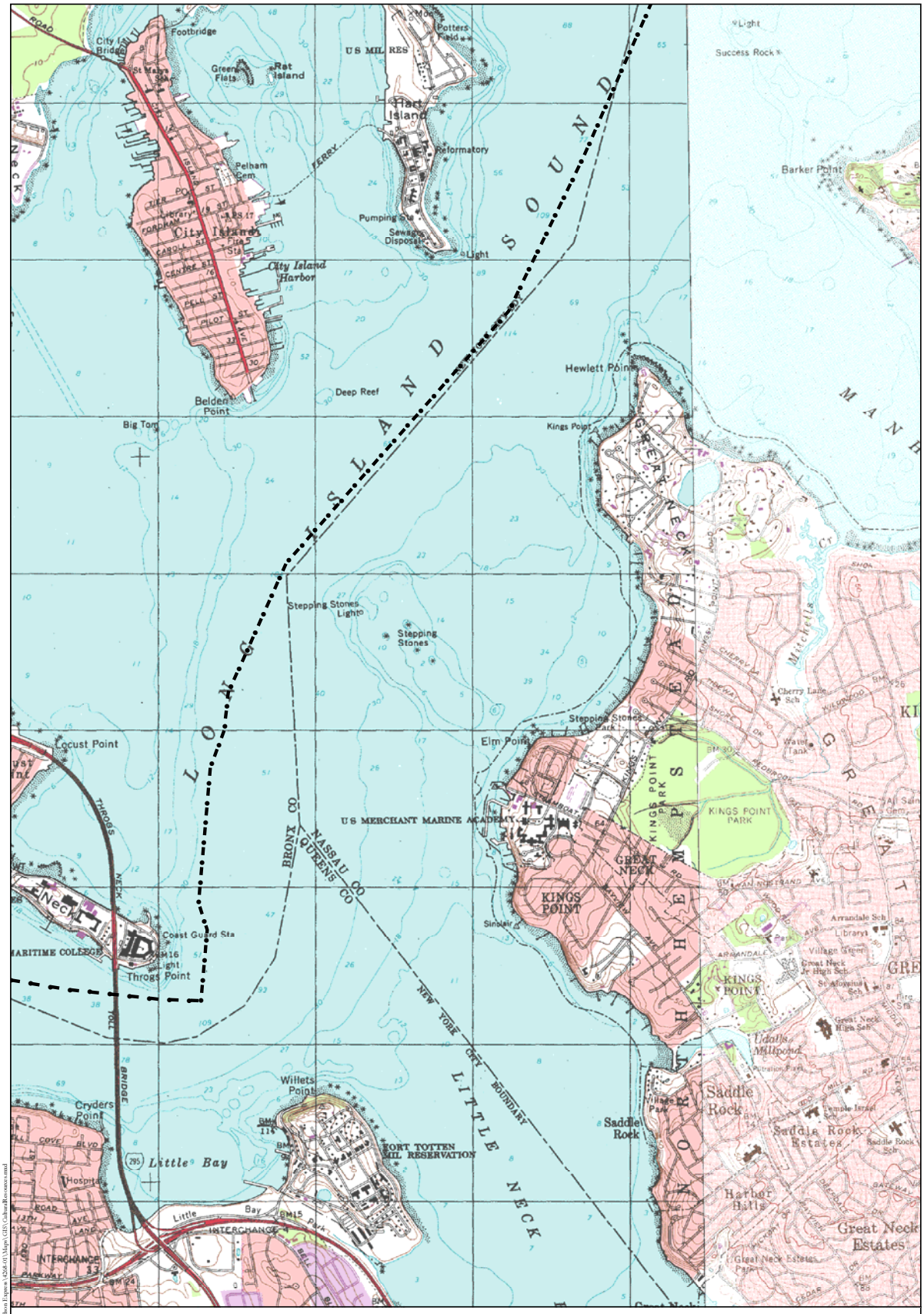
Note: Contour interval is 10 feet.

Archeological Site Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 73 a

JS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268-01\Maps\GIS\CulturalResources.mxd



Legend

- Archeological Site
- A## Archeological Site ID (See Appendix 1)
- Proposed Alignment
- Overland Study Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

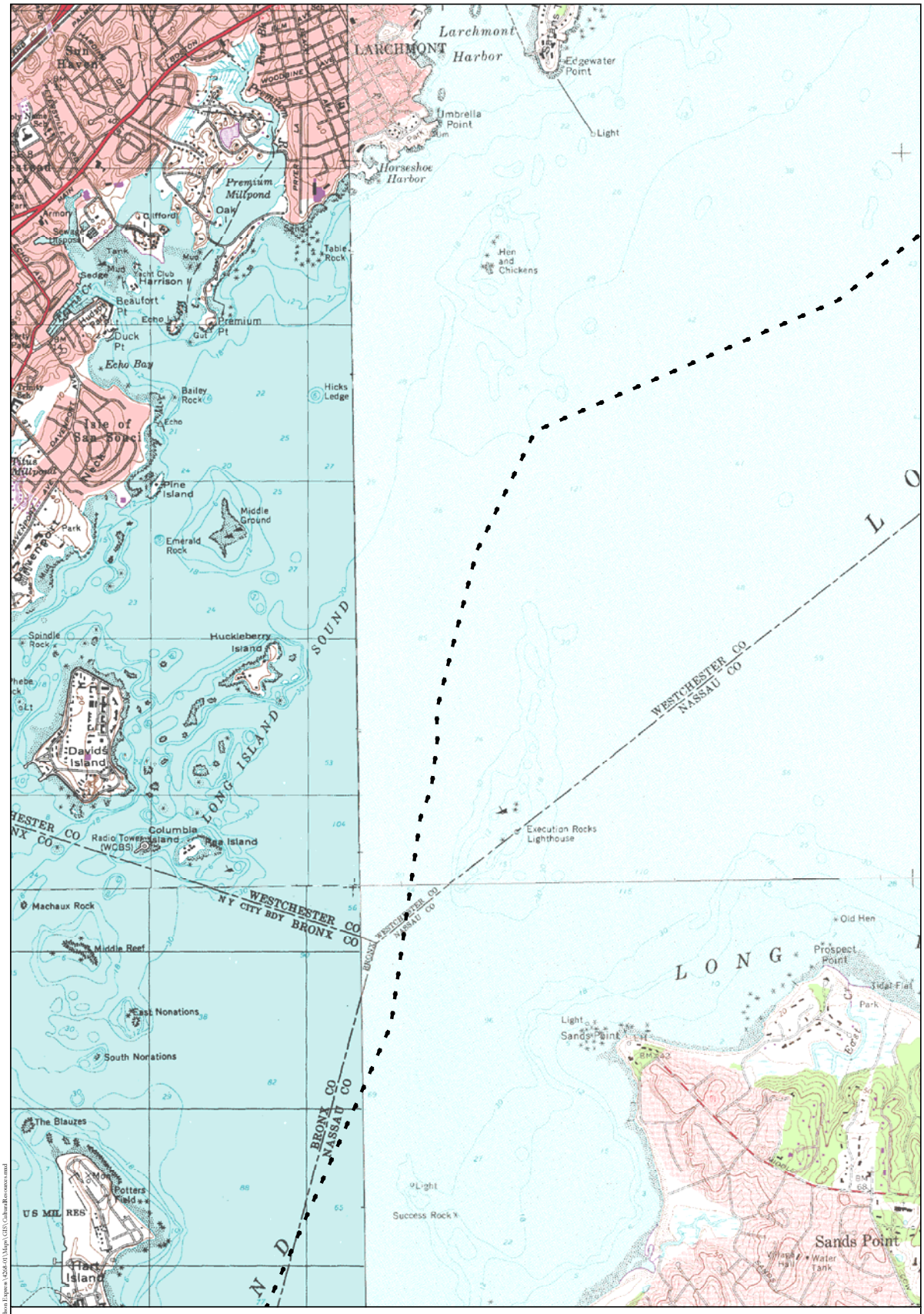
Note: Contour interval is 10 feet.

Archeological Site Locations
(HAA, Inc. 2010)

HARTGEN
archeological associates inc

Map 74 a

ES February 16, 2010 R:\Active Projects\4268 Oswego-Hudson Express\4268-01\Maps\GIS\CulturalResources.mxd



Legend

- Archeological Site
- A## Archeological Site ID (See Appendix 1)
- Proposed Alignment
- Overland Study Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

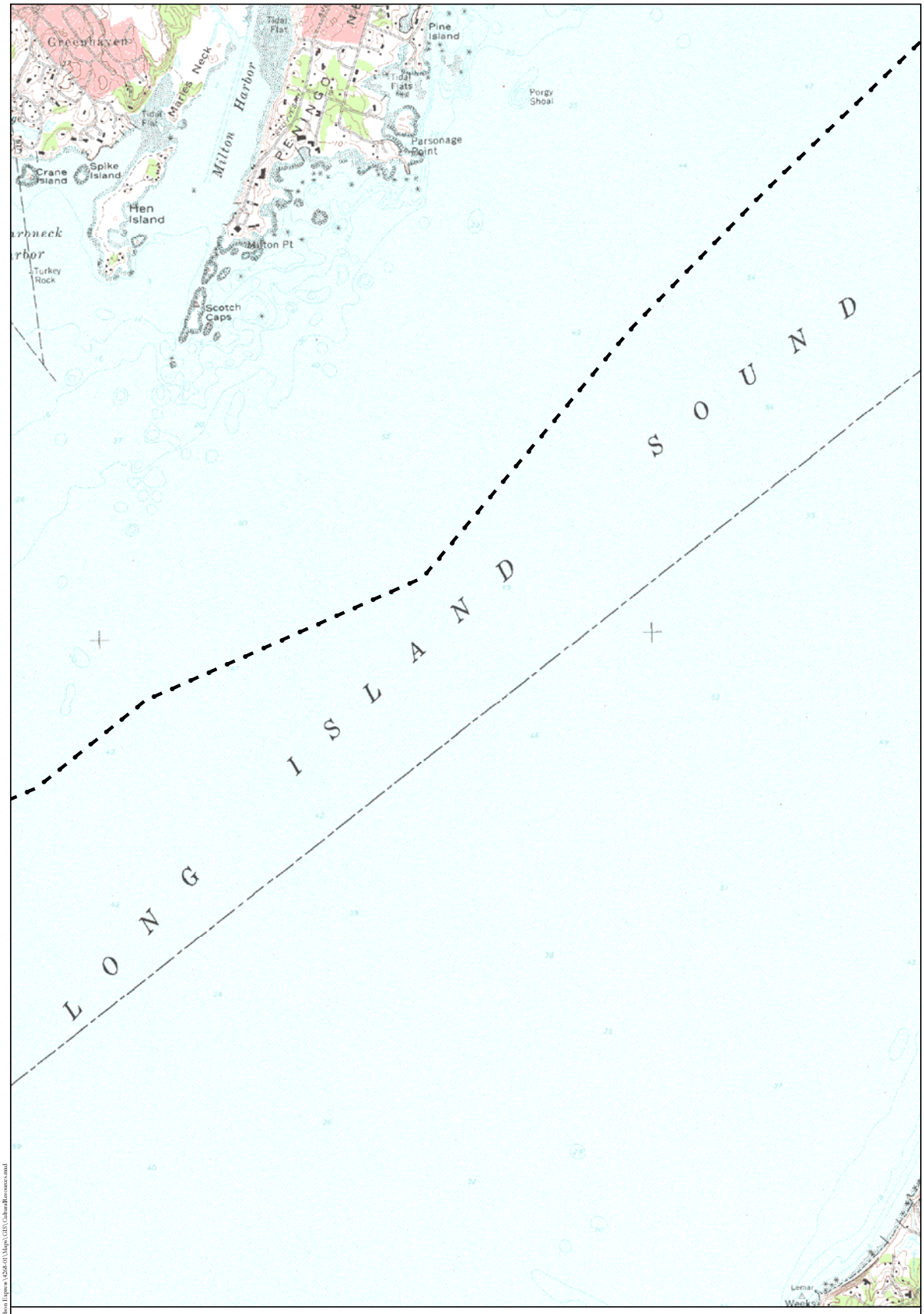
Note: Contour interval is 10 feet.

Archeological Site Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 75 a

JS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268-01\Maps\GIS\CulturalResources.mxd



Legend

- Archeological Site
- A## Archeological Site ID (See Appendix 1)
- Proposed Alignment
- Overland Study Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

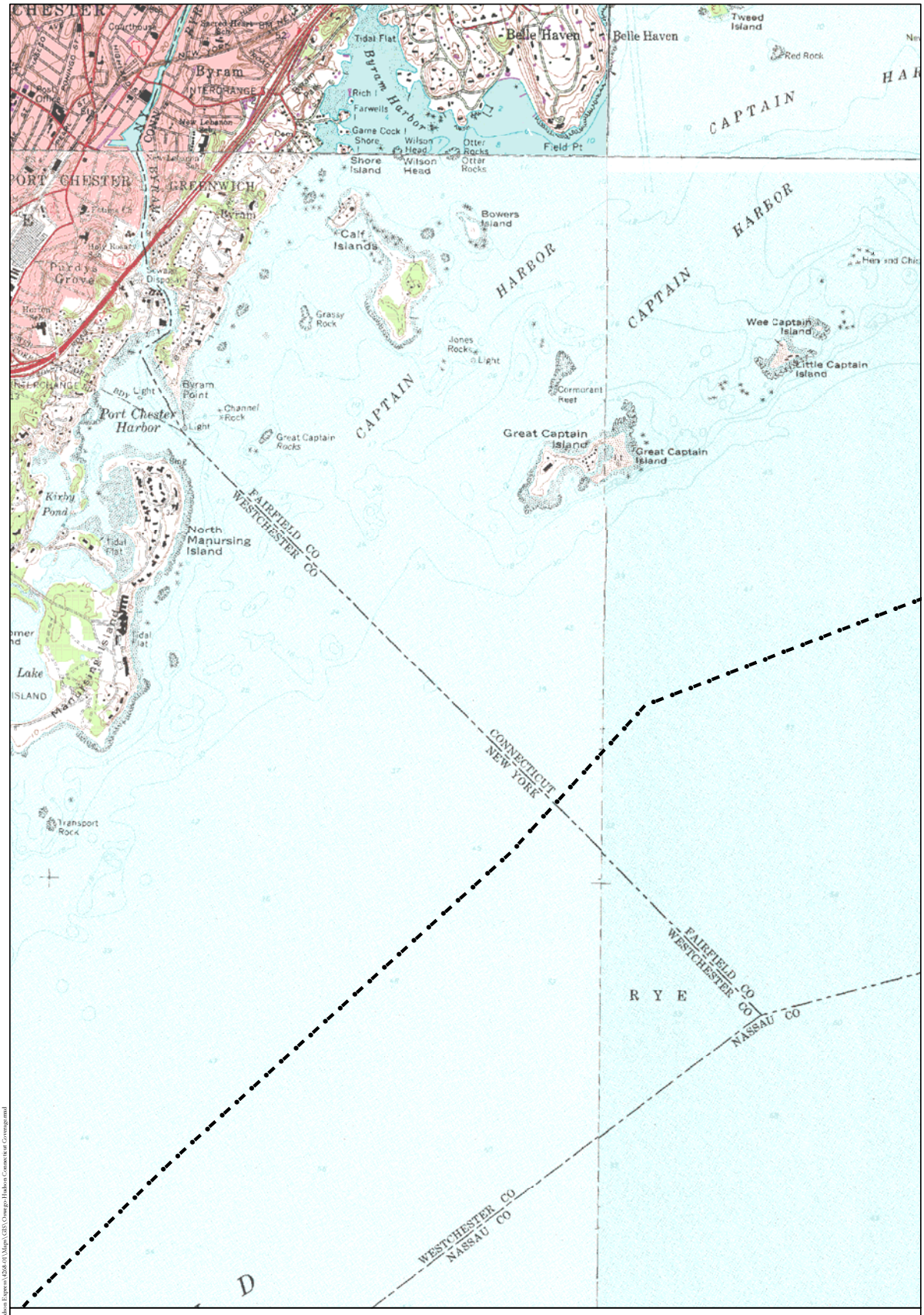
Note: Contour interval is 10 feet.

Archeological Site Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 76 a

JS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268-01\Maps\GIS\CulturalResources.mxd



Legend

- Archeological Site
- A## Archeological Site ID (See Appendix 1)
- Proposed Alignment
- Overland Study Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

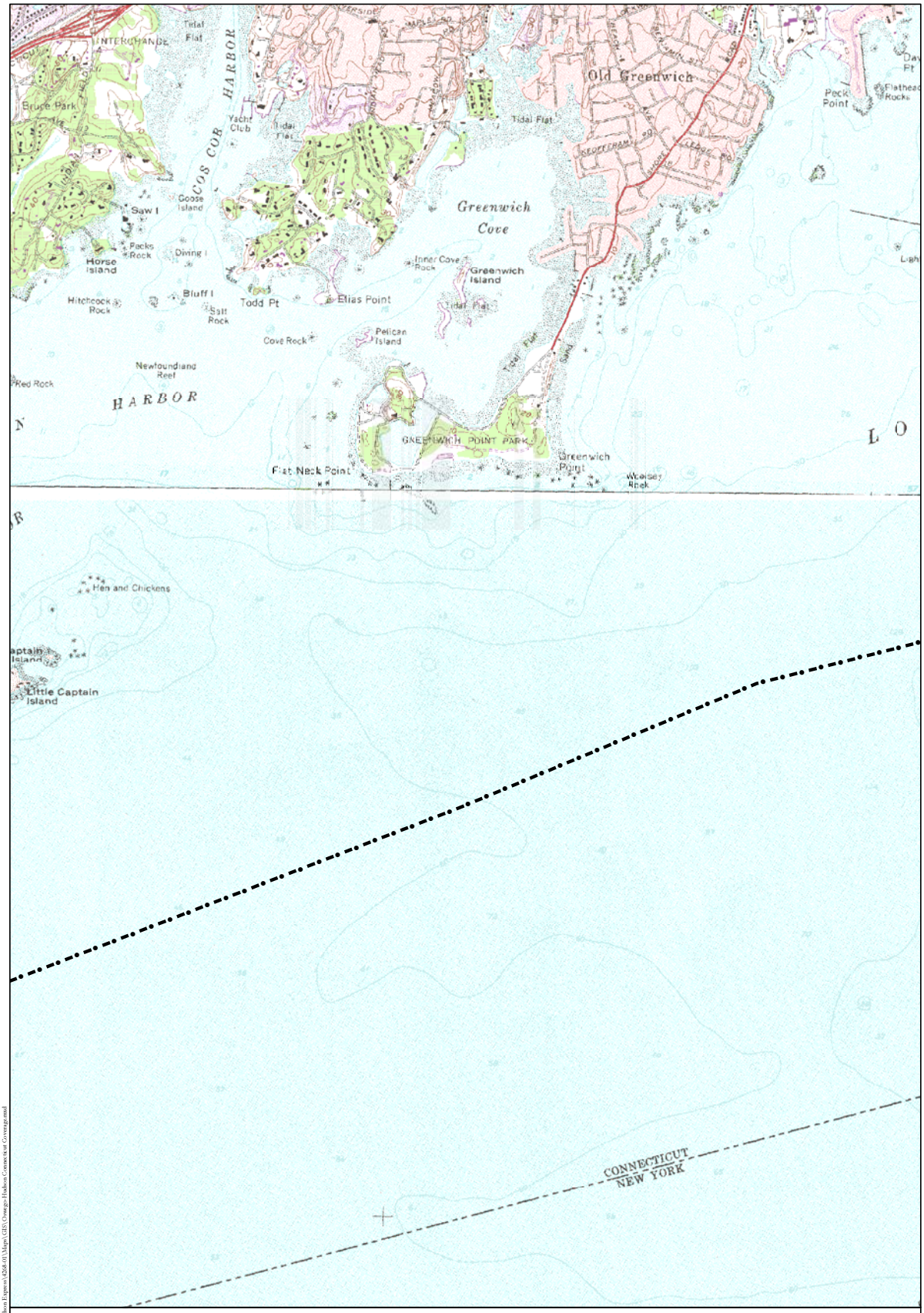
Note: Contour interval is 10 feet.

Archeological Site Locations
(HAA, Inc. 2010)

HARTGEN archeological associates Inc

Map 77 a

IS February 24, 2010 R:\Active Projects\4268 Orange-Hudson Express\4268-01\Maps\GIS\Orange-Hudson Connecticut Coverage.mxd



Legend

- Archeological Site
- Archeological Site ID (See Appendix 1) — A##
- Proposed Alignment
- Overland Study Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

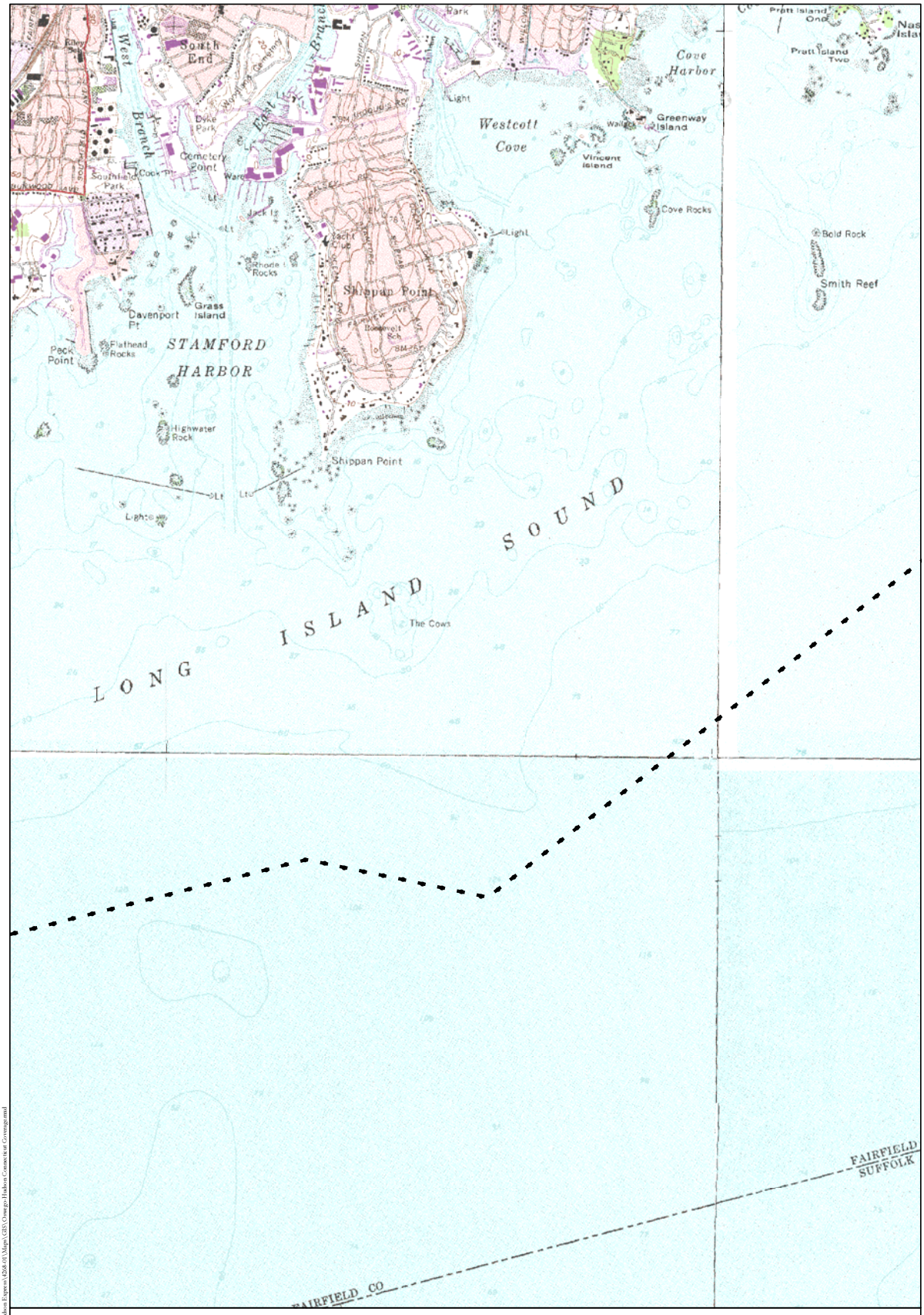
Note: Contour interval is 10 feet.

Archeological Site Locations
(HAA, Inc. 2010)

HARTGEN archeological associates Inc

Map 78 a

IS February 24, 2010 R:\Active Projects\4268 Orange-Hudson Express\4268-01\Maps\GIS\Orange-Hudson Connecticut Coverage.mxd



Legend

- Archeological Site
- A## Archeological Site ID (See Appendix 1)
- Proposed Alignment
- Overland Study Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

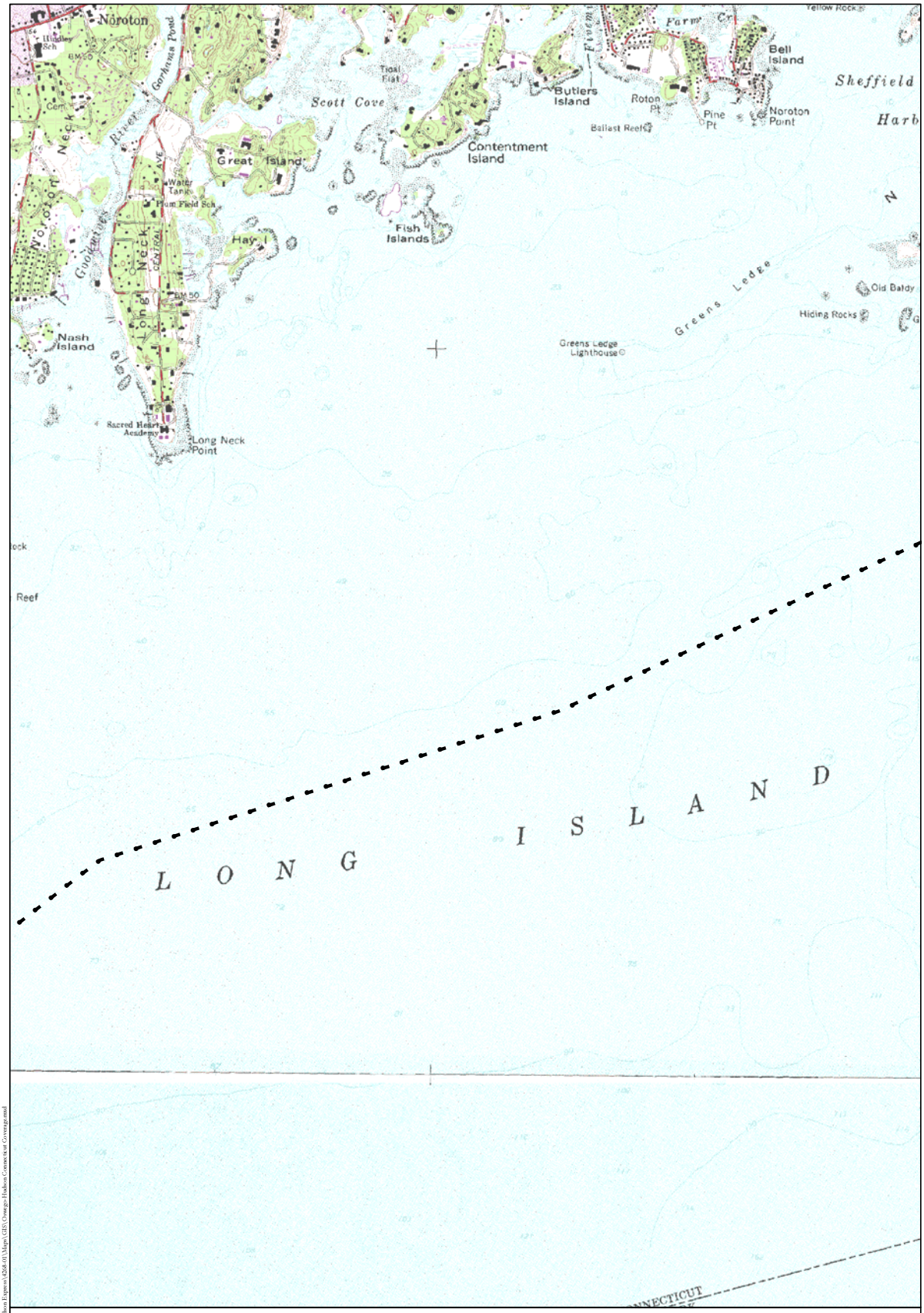
Note: Contour interval is 10 feet.

Archeological Site Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 79 a

IS February 24, 2010 R:\Active Projects\4268 Orange-Hudson Express\4268-01\Maps\GIS\Orange-Hudson Connecticut Coverage.mxd



Legend

- Archeological Site
- A## Archeological Site ID (See Appendix 1)
- Proposed Alignment
- Overland Study Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

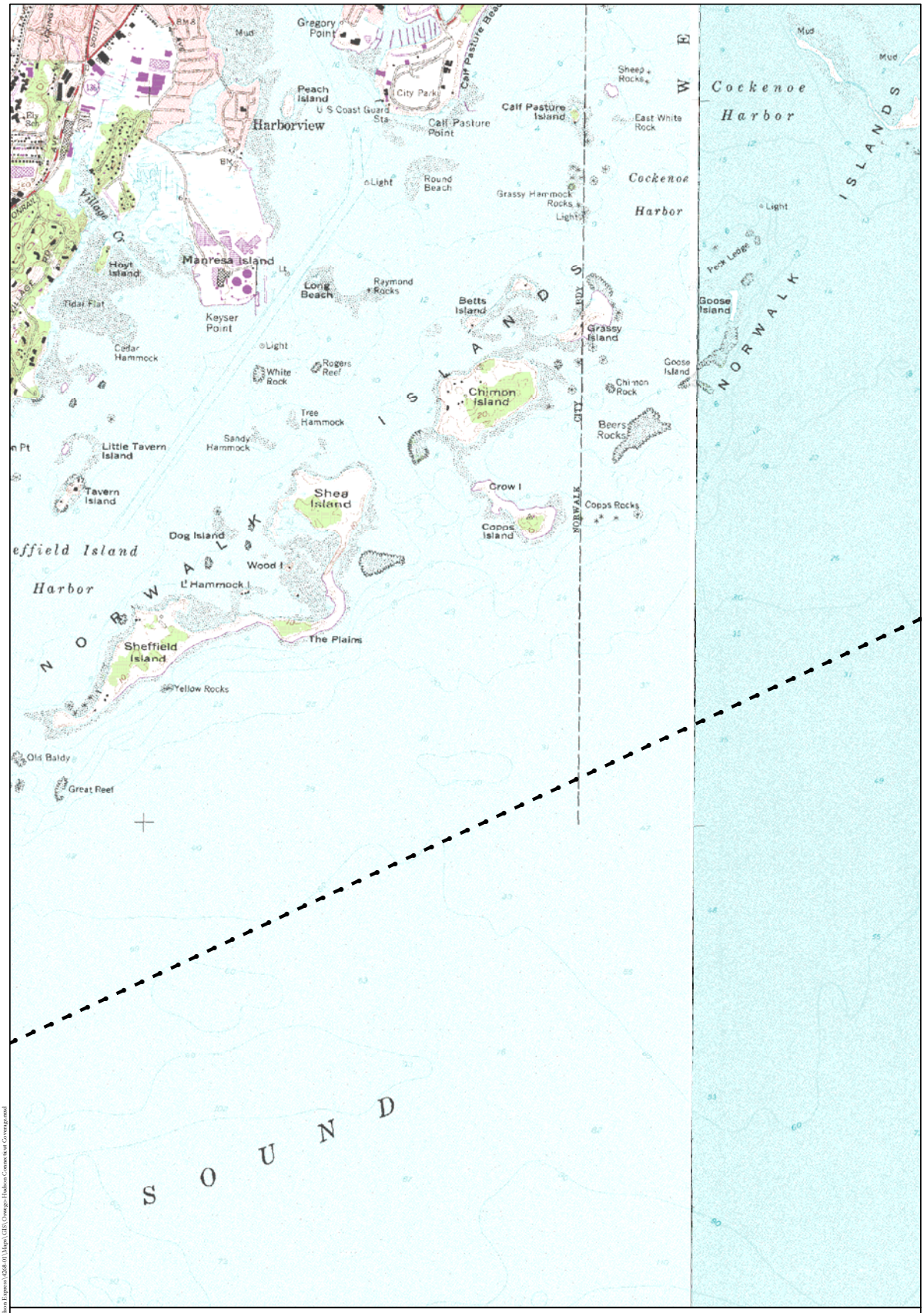
Note: Contour interval is 10 feet.

Archeological Site Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 80 a

IS February 24, 2010 R:\Active Projects\4268 Orange-Hudson Express\4268-01\Maps\GIS\Orange-Hudson Connecticut Coverage.mxd



Legend

- Archeological Site
- Archeological Site ID (See Appendix 1)
- Proposed Alignment
- Overland Study Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

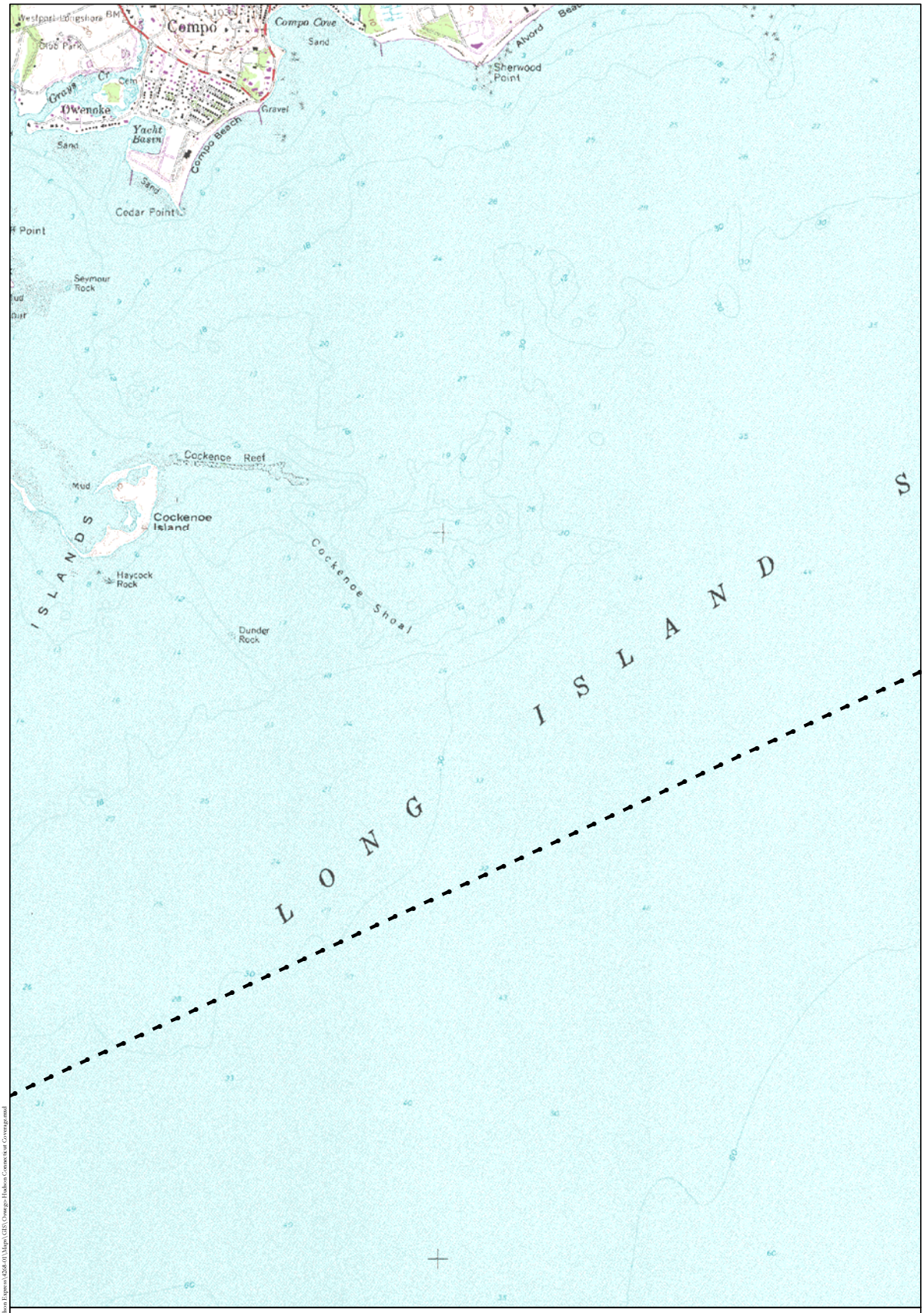
Note: Contour interval is 10 feet.

Archeological Site Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 81 a

IS February 24, 2010 R:\Active Projects\4268 Orange-Hudson Express\4268-01\Maps\GIS\Orange-Hudson Connecticut Coverage.mxd



Legend

- Archeological Site
- A## Archeological Site ID (See Appendix 1)
- Proposed Alignment
- Overland Study Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

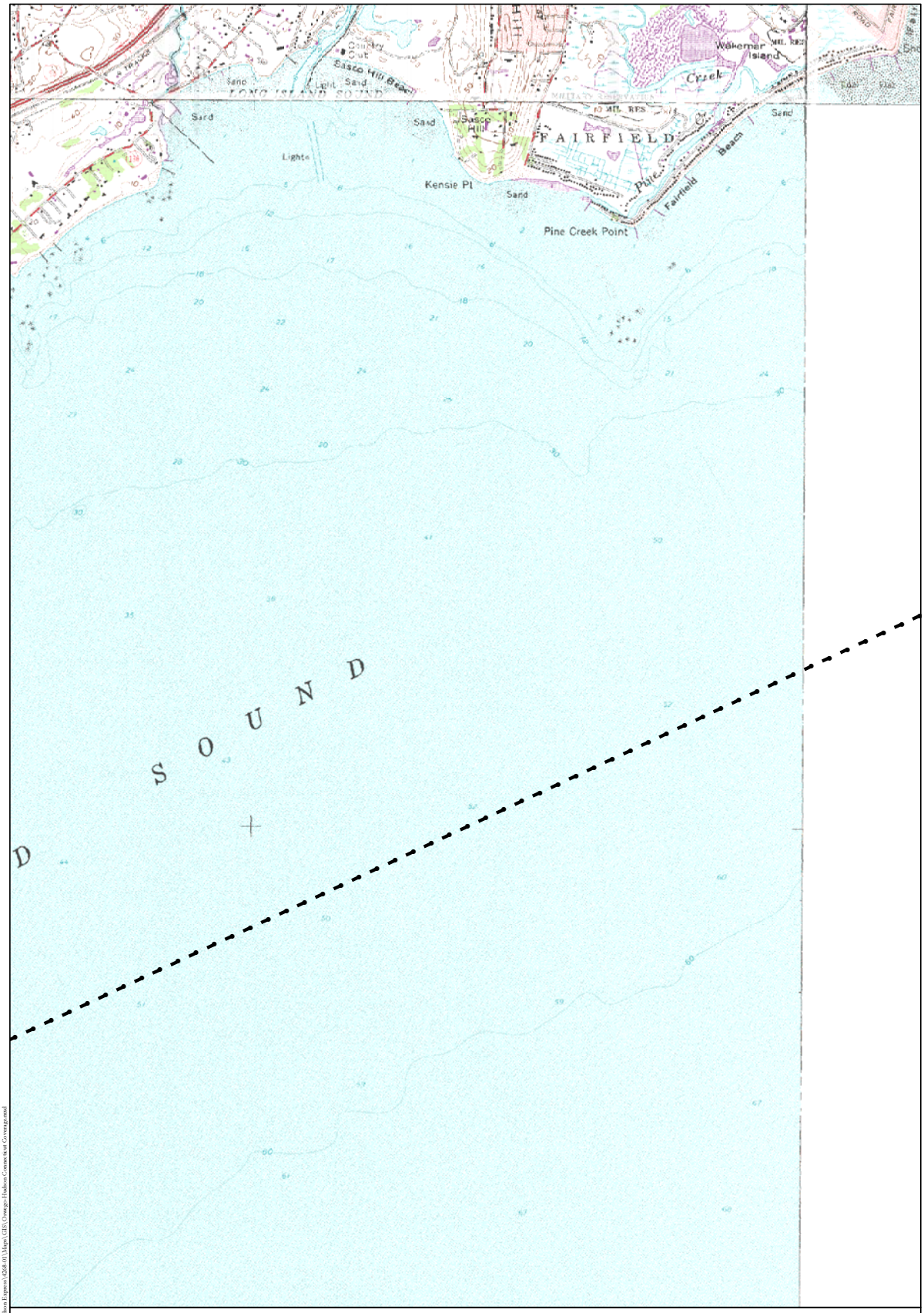
Note: Contour interval is 10 feet.

Archeological Site Locations
(HAA, Inc. 2010)

HARTGEN archeological associates Inc

Map 82 a

ES February 24, 2010 R:\Active Projects\4268 Orange-Hudson Express\4268-01\Maps\GIS\Orange-Hudson Connecticut Coverage.mxd



Legend

- Archeological Site
- A## Archeological Site ID (See Appendix 1)
- Proposed Alignment
- Overland Study Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

Note: Contour interval is 10 feet.

Archeological Site Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 83 a

ES February 24, 2010 R:\Active Projects\4268 Orange-Hudson Express\4268-01\Maps\GIS\Orange-Hudson Connecticut Coverage.mxd

Legend

- Archeological Site
- A## Archeological Site ID (See Appendix 1)
- Proposed Alignment
- Overland Study Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

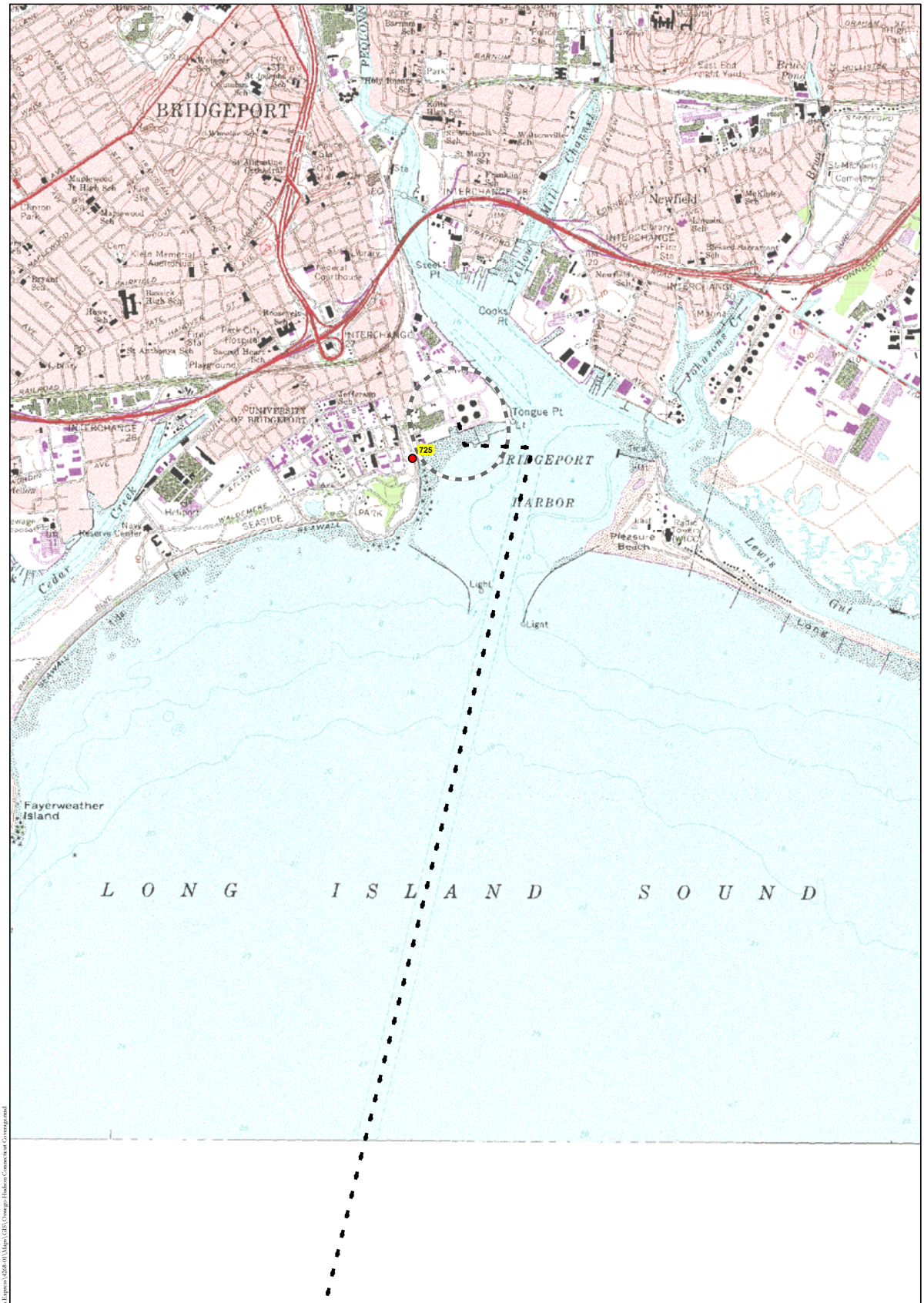
Note: Contour interval is 10 feet.

Archeological Site Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 84 a

ES February 24, 2010 R:\Active Projects\4268 Orange-Hudson Express\4268-01\Maps\GIS\Orange-Hudson Connecticut Coverage.mxd



Legend

- Archeological Site
- A## Archeological Site ID (See Appendix 1)
- Proposed Alignment
- Overland Study Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

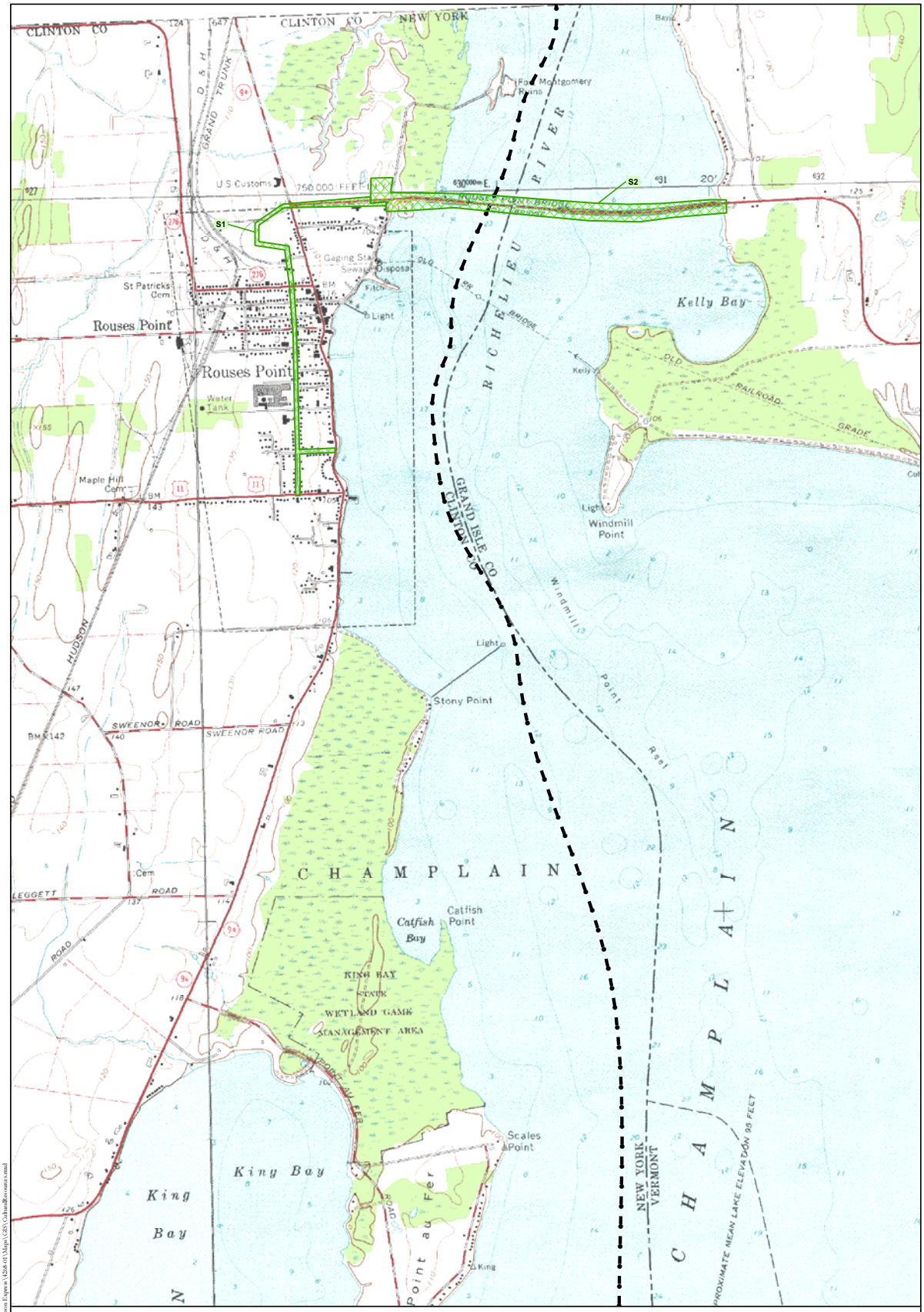
Note: Contour interval is 10 feet.

Archeological Site Locations
(HAA, Inc. 2010)

HARTGEN archeological associates Inc

Map 85 a

IS February 24, 2010 R:\Active Projects\4268 Orange-Hudson Express\4268-01\Maps\GIS\Orange-Hudson Connecticut Coverage.mxd



Legend

- Previous Archeological Survey
- S## Previous Archeological Survey ID (See Appendix 2)
- Proposed Alignment
- Overland Study Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

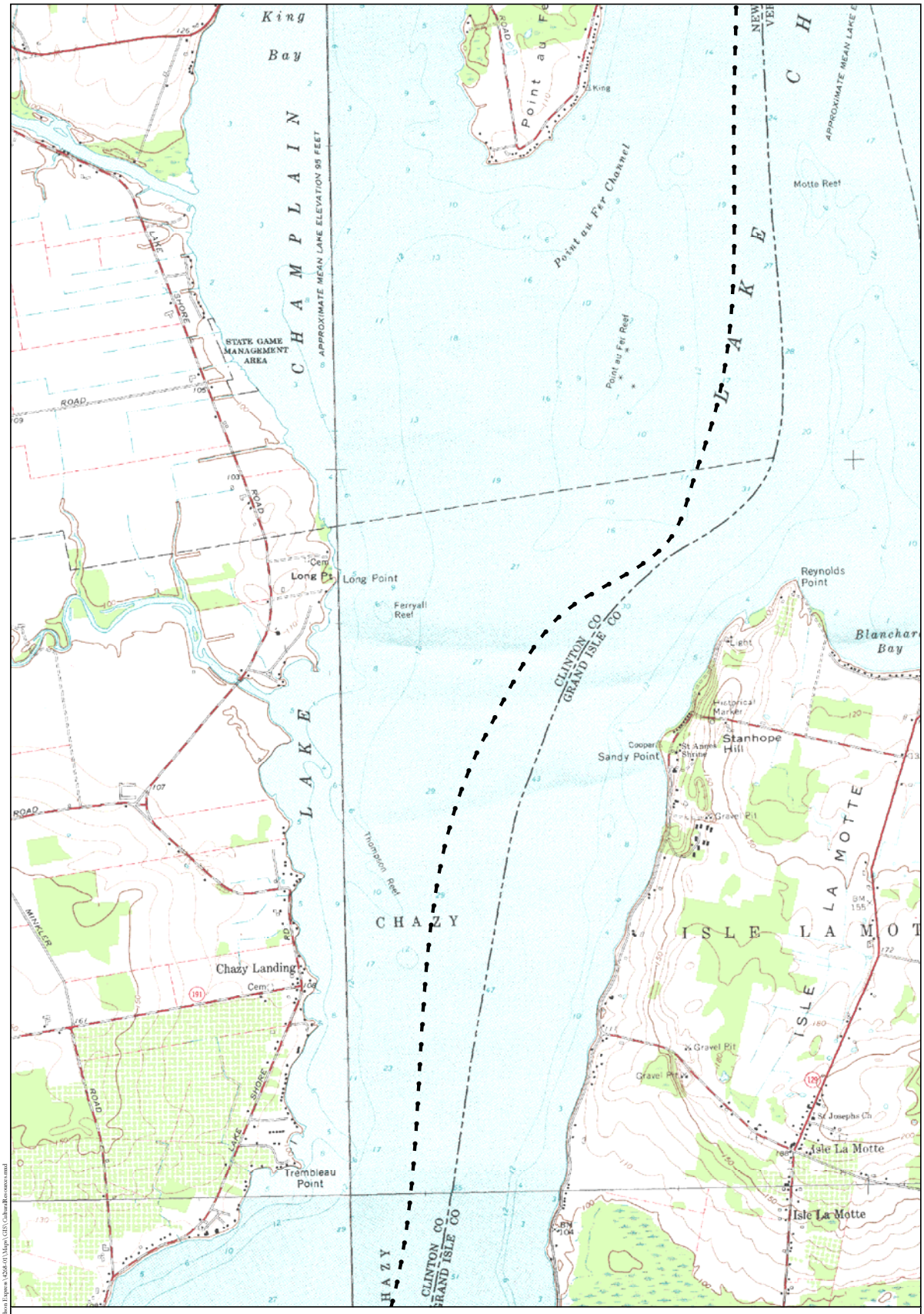
Note: Contour interval is 10 feet.

Previous Archeological Survey Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 01b

DS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268-01\Maps\GIS\CulturalResources.mxd



Legend

- Previous Archeological Survey
- S## Previous Archeological Survey ID (See Appendix 2)
- Proposed Alignment
- Overland Study Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

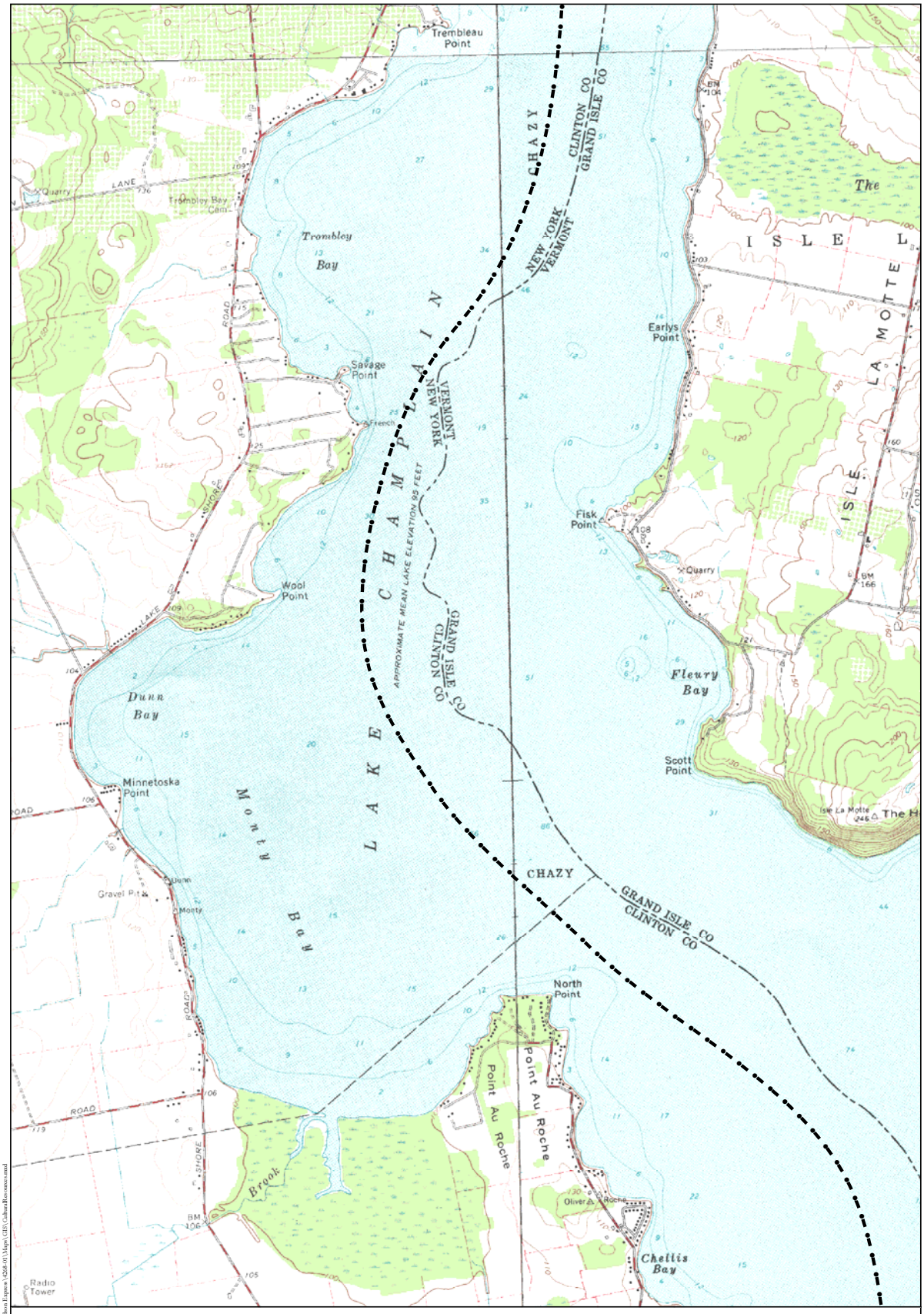
Note: Contour interval is 10 feet.

Previous Archeological Survey Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 02 b

DS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268-01\Maps\GIS\CulturalResources.mxd



Legend

- Previous Archeological Survey
- S## Previous Archeological Survey ID (See Appendix 2)
- Proposed Alignment
- Overland Study Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

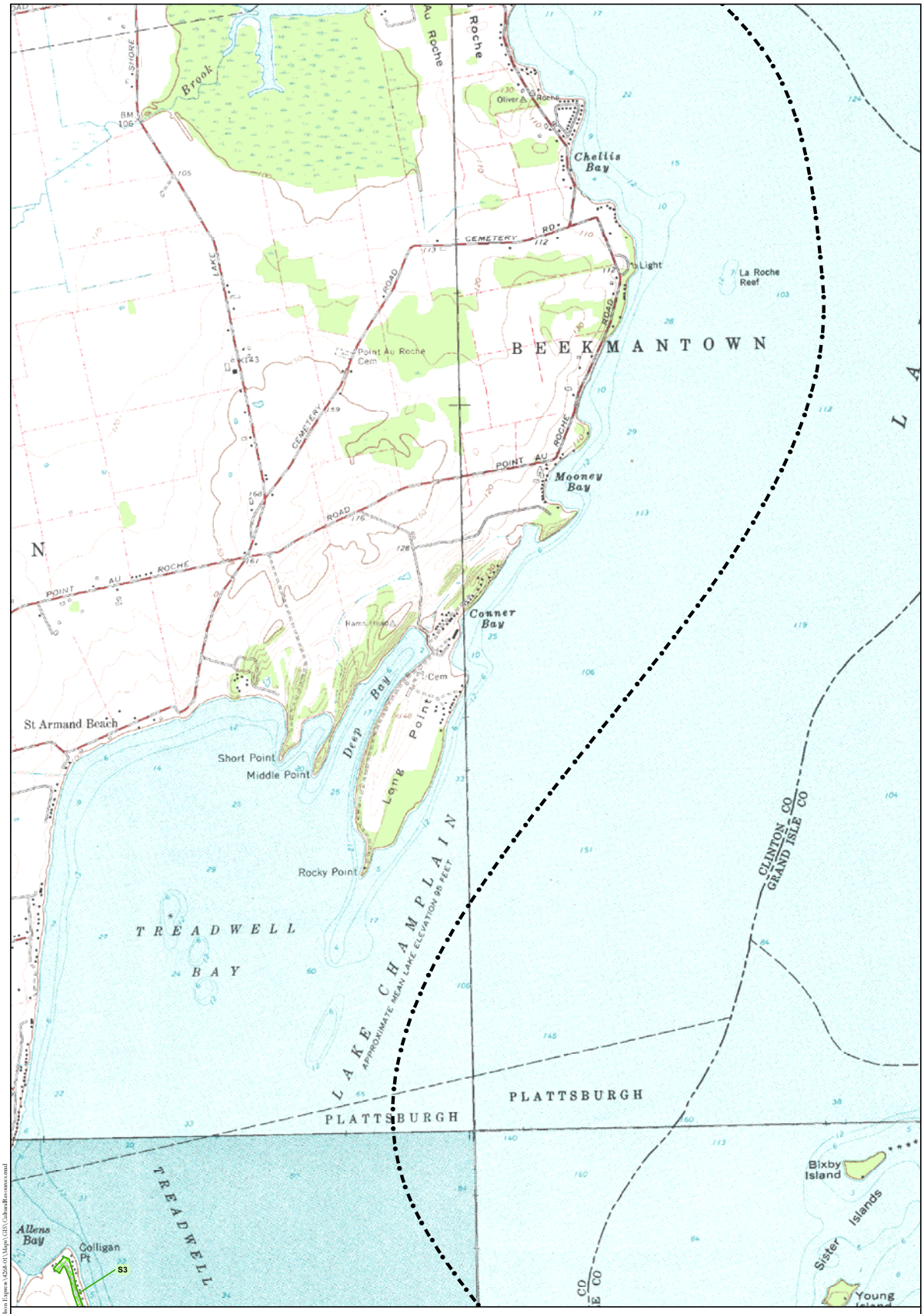
Note: Contour interval is 10 feet.

Previous Archeological Survey Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 03 b

DS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268-01\Maps\GIS\CulturalResources.mxd



Legend

- Previous Archeological Survey
- S## Previous Archeological Survey ID (See Appendix 2)
- Proposed Alignment
- Overland Study Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

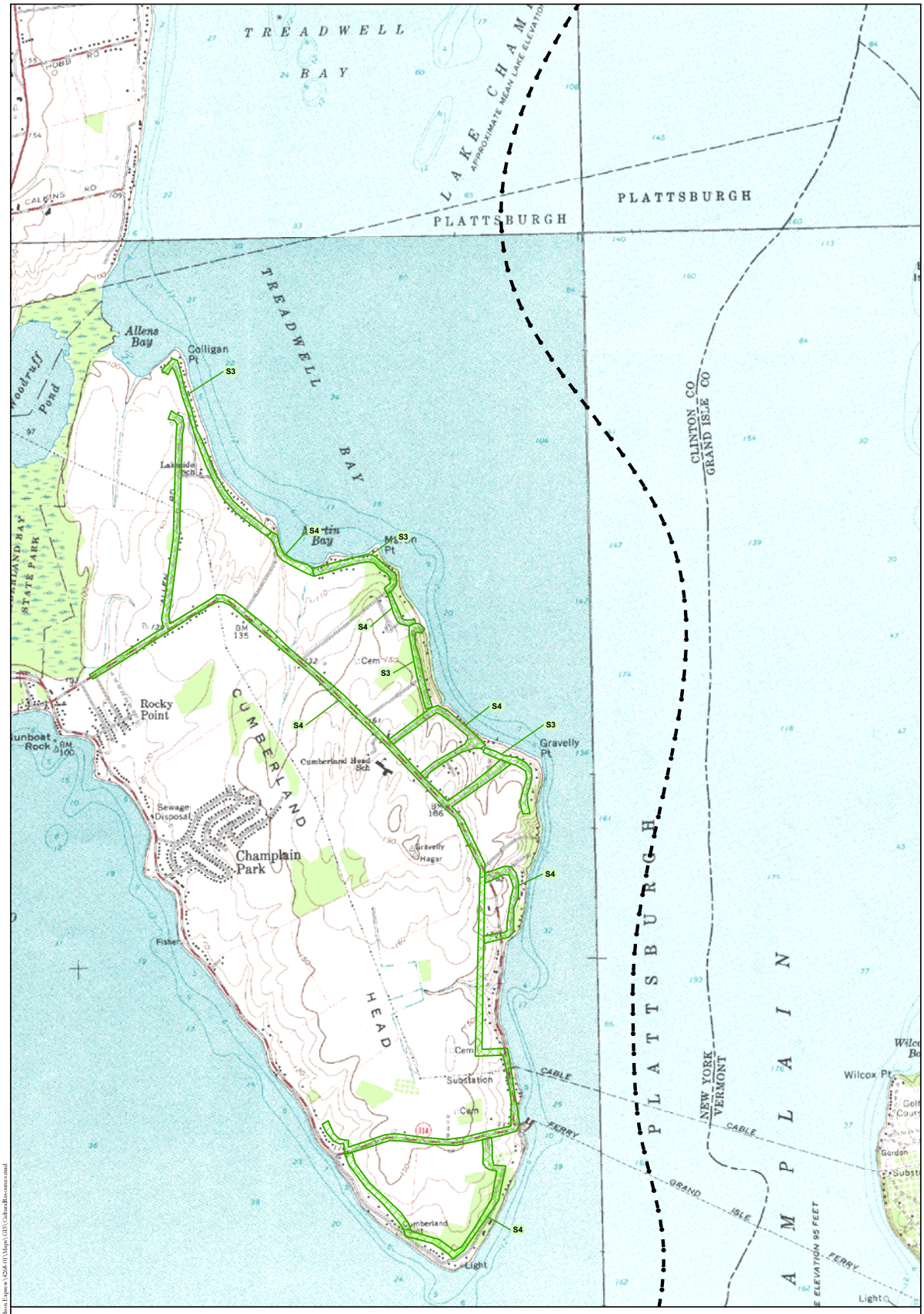
Note: Contour interval is 10 feet.

Previous Archeological Survey Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 04 b

DS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268-01\Maps\GIS\CulturalResources.mxd



Legend

- Previous Archeological Survey
- S## Previous Archeological Survey ID (See Appendix 2)
- Proposed Alignment
- Overland Study Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

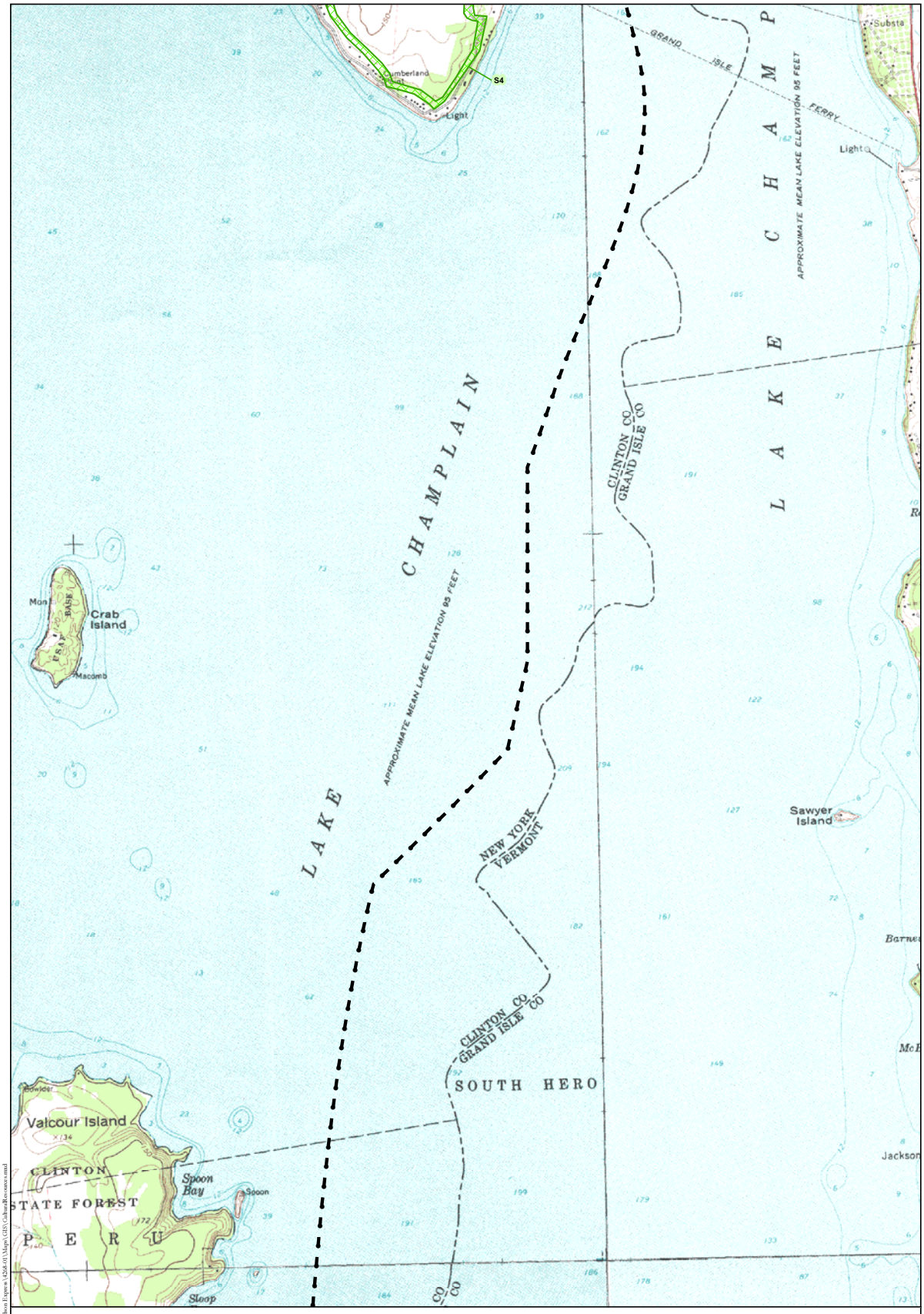
Note: Contour interval is 10 feet.

Previous Archeological Survey Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 05 b

DS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268-01\Maps\GIS\CulturalResources.mxd



Legend

- Previous Archeological Survey
- S## Previous Archeological Survey ID (See Appendix 2)
- Proposed Alignment
- Overland Study Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

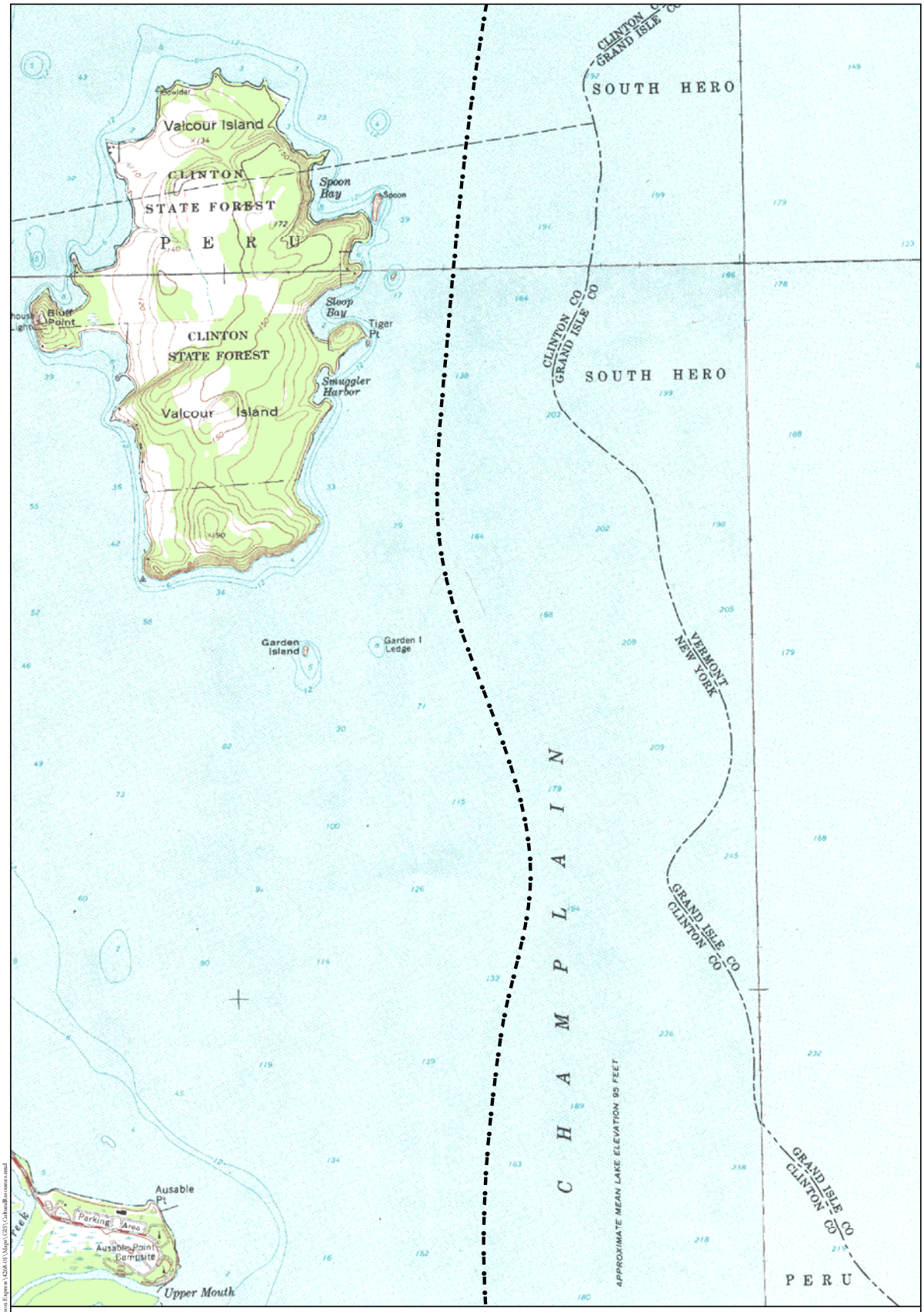
Note: Contour interval is 10 feet.

Previous Archeological Survey Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 06 b

DS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268.01\Maps\GIS\CulturalResources.mxd



Legend

- Previous Archeological Survey
- S## Previous Archeological Survey ID (See Appendix 2)
- Proposed Alignment
- Overland Study Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

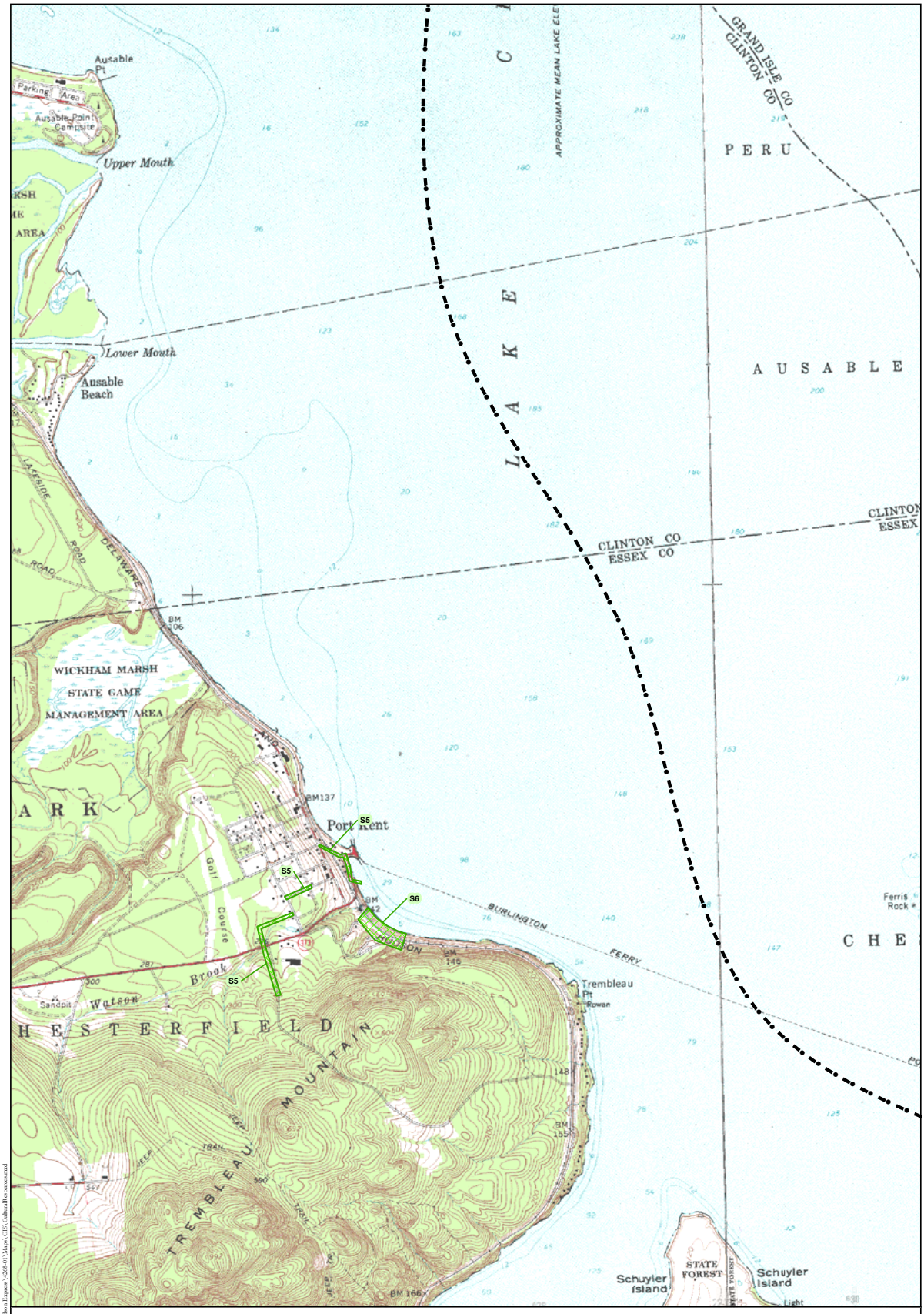
Note: Contour interval is 10 feet.

Previous Archeological Survey Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 07 b

JS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268-01\Maps\GIS\CulturalResources.mxd



Legend

- Previous Archeological Survey
- S## Previous Archeological Survey ID (See Appendix 2)
- Proposed Alignment
- Overland Study Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

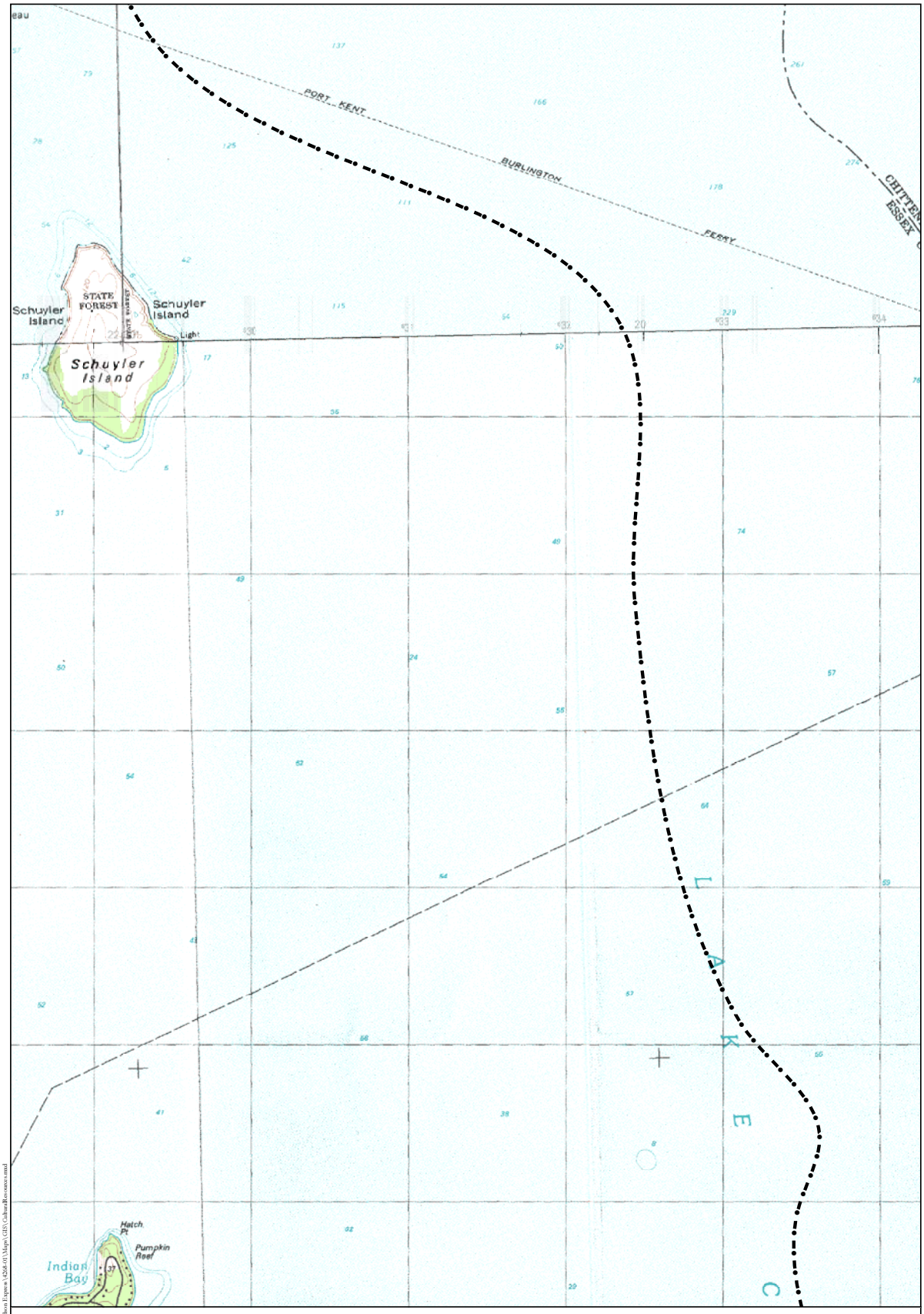
Note: Contour interval is 10 feet.

Previous Archeological Survey Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 08 b

JS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268-01\Maps\GIS\CulturalResources.mxd



Legend

- Previous Archeological Survey
- S## Previous Archeological Survey ID (See Appendix 2)
- Proposed Alignment
- Overland Study Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

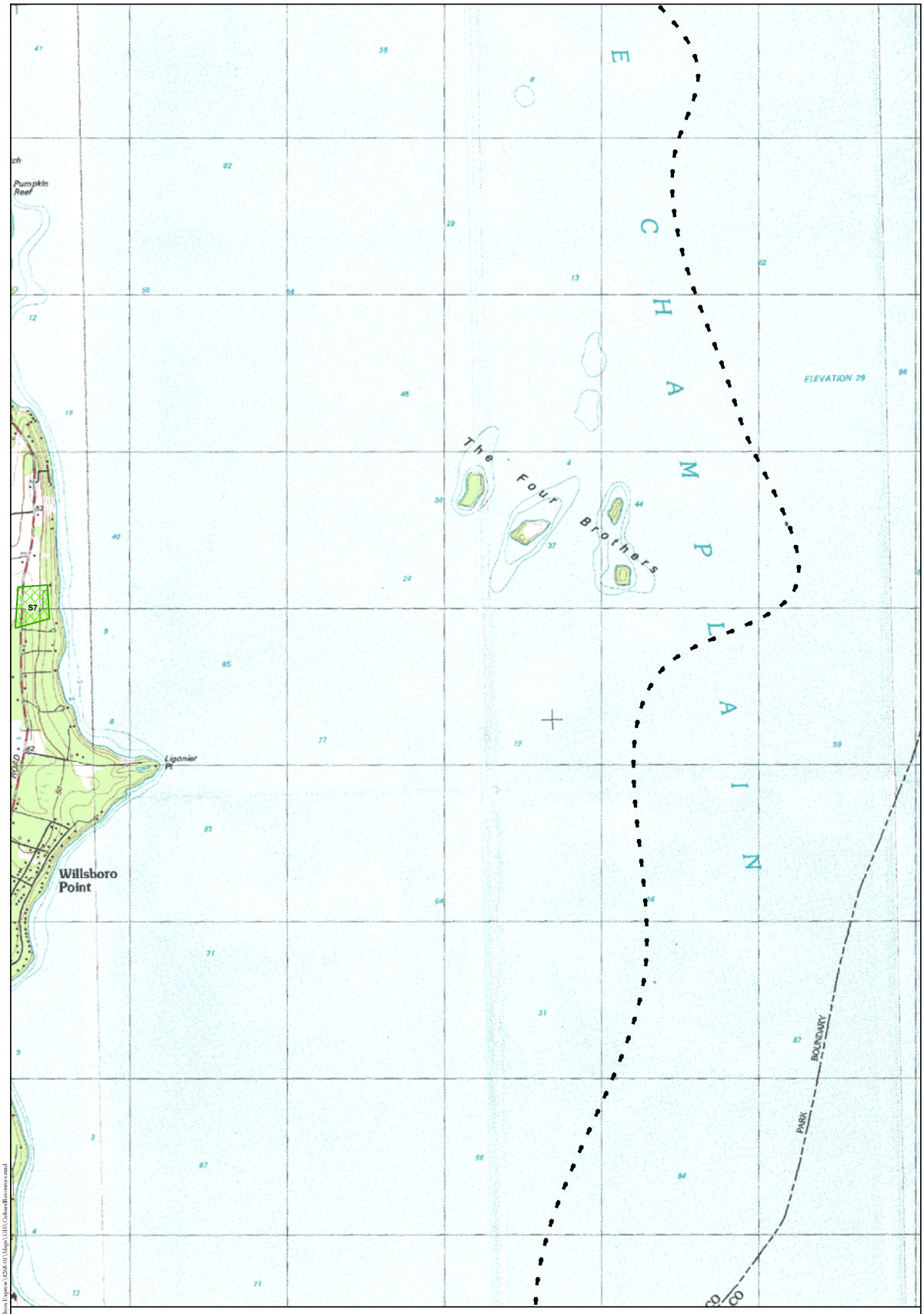
Note: Contour interval is 10 feet.

Previous Archeological Survey Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 09 b

DS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268-01\Maps\GIS\CulturalResources.mxd



Legend

- Previous Archeological Survey
- S## Previous Archeological Survey ID (See Appendix 2)
- Proposed Alignment
- Overland Study Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

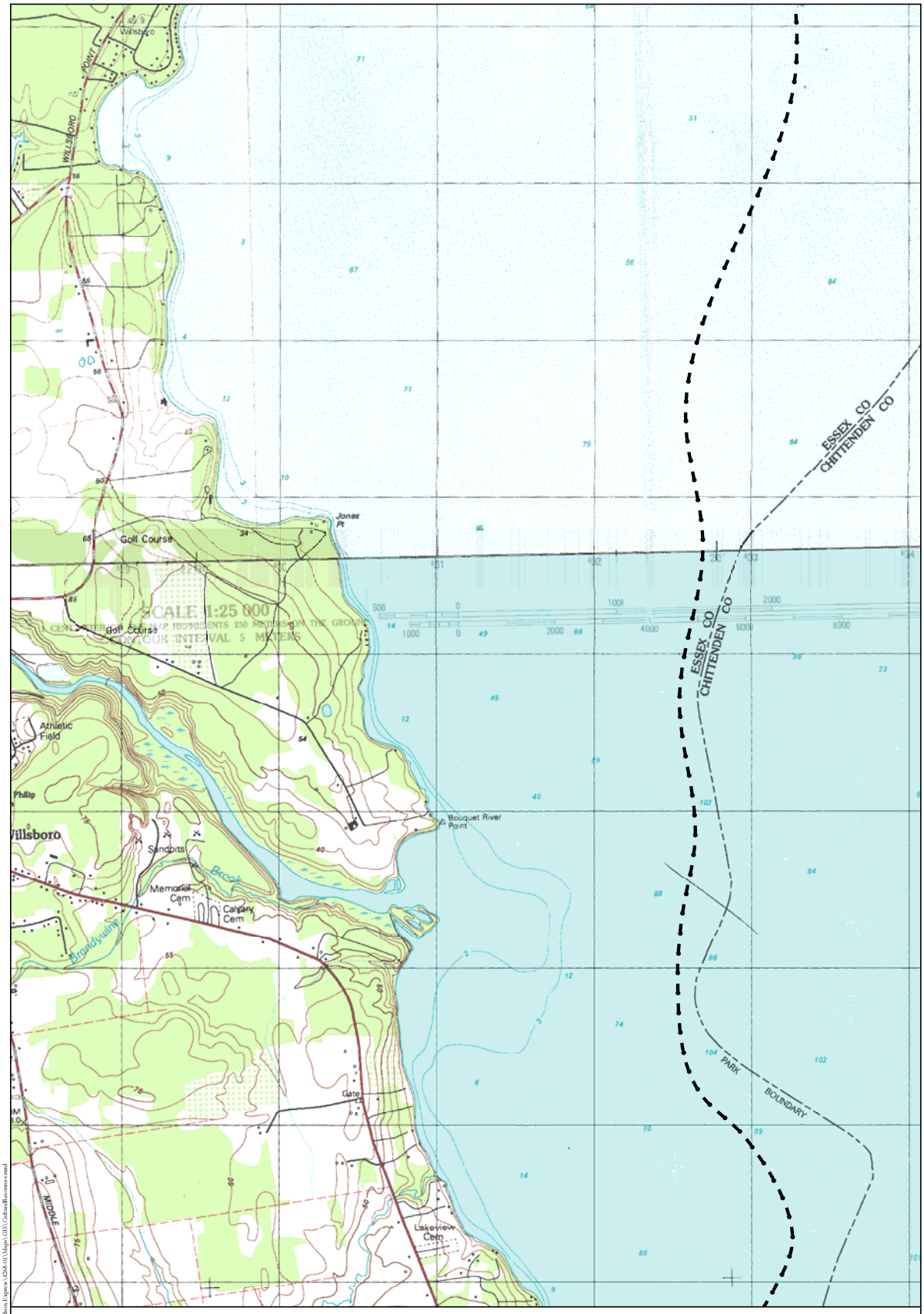
Note: Contour interval is 10 feet.

Previous Archeological Survey Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 10 b

DS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268-01\Maps\GIS\CulturalResources.mxd



Legend

- Previous Archeological Survey
- S## Previous Archeological Survey ID (See Appendix 2)
- Proposed Alignment
- Overland Study Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

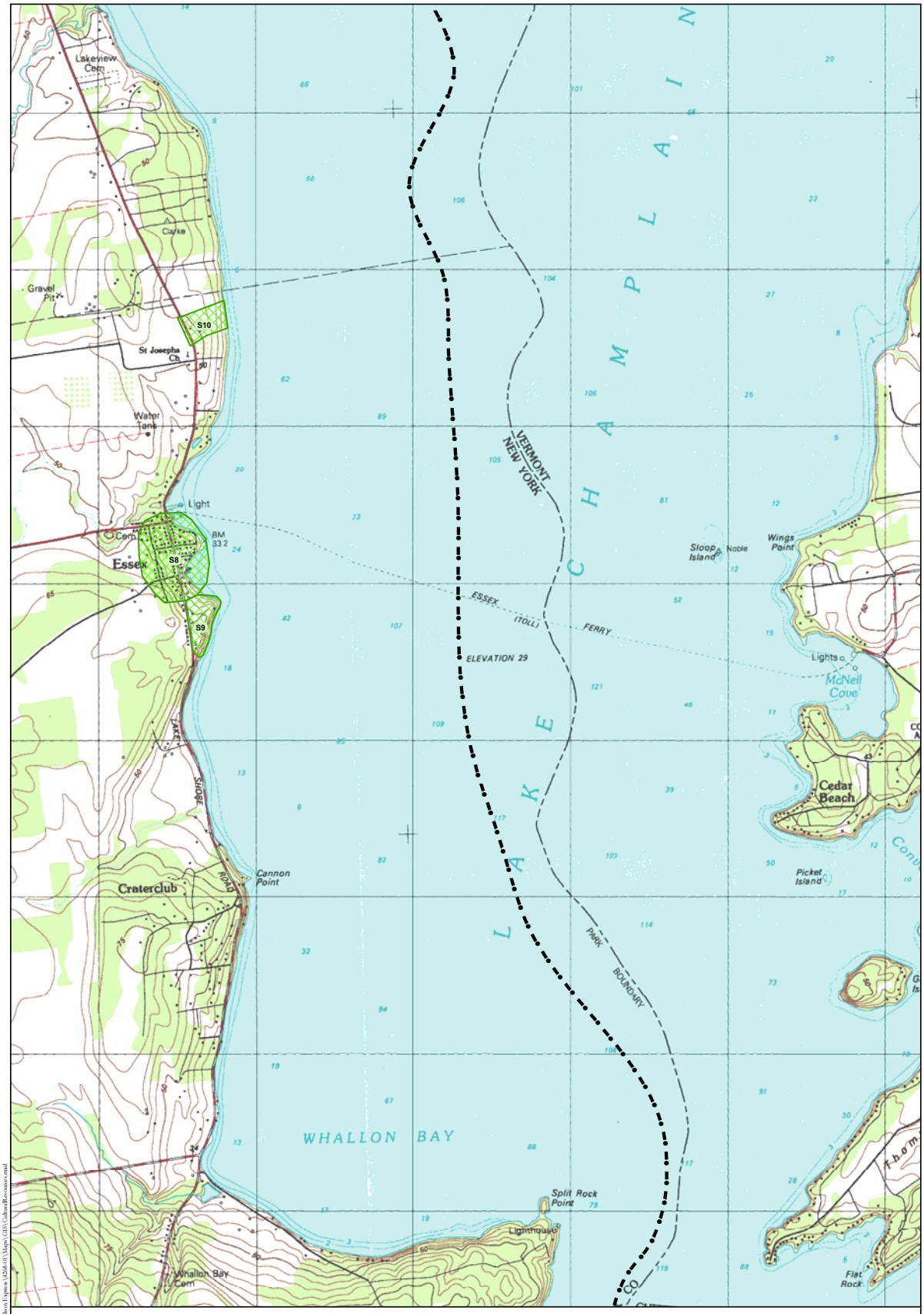
Note: Contour interval is 10 feet.

Previous Archeological Survey Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 11 b

DS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268-01\Maps\GIS\CulturalResources.mxd



Legend

- Previous Archeological Survey
- S## Previous Archeological Survey ID (See Appendix 2)
- Proposed Alignment
- Overland Study Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

Note: Contour interval is 10 feet.

Previous Archeological Survey Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 12 b

DS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268-01\Maps\GIS\CulturalResources.mxd

Legend

- Previous Archeological Survey
- S## Previous Archeological Survey ID (See Appendix 2)
- Proposed Alignment
- Overland Study Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

Note: Contour interval is 10 feet.

Previous Archeological Survey Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 13 b

DS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268-01\Maps\GIS\CulturalResources.mxd

Legend

- Previous Archeological Survey
- S## Previous Archeological Survey ID (See Appendix 2)
- Proposed Alignment
- Overland Study Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

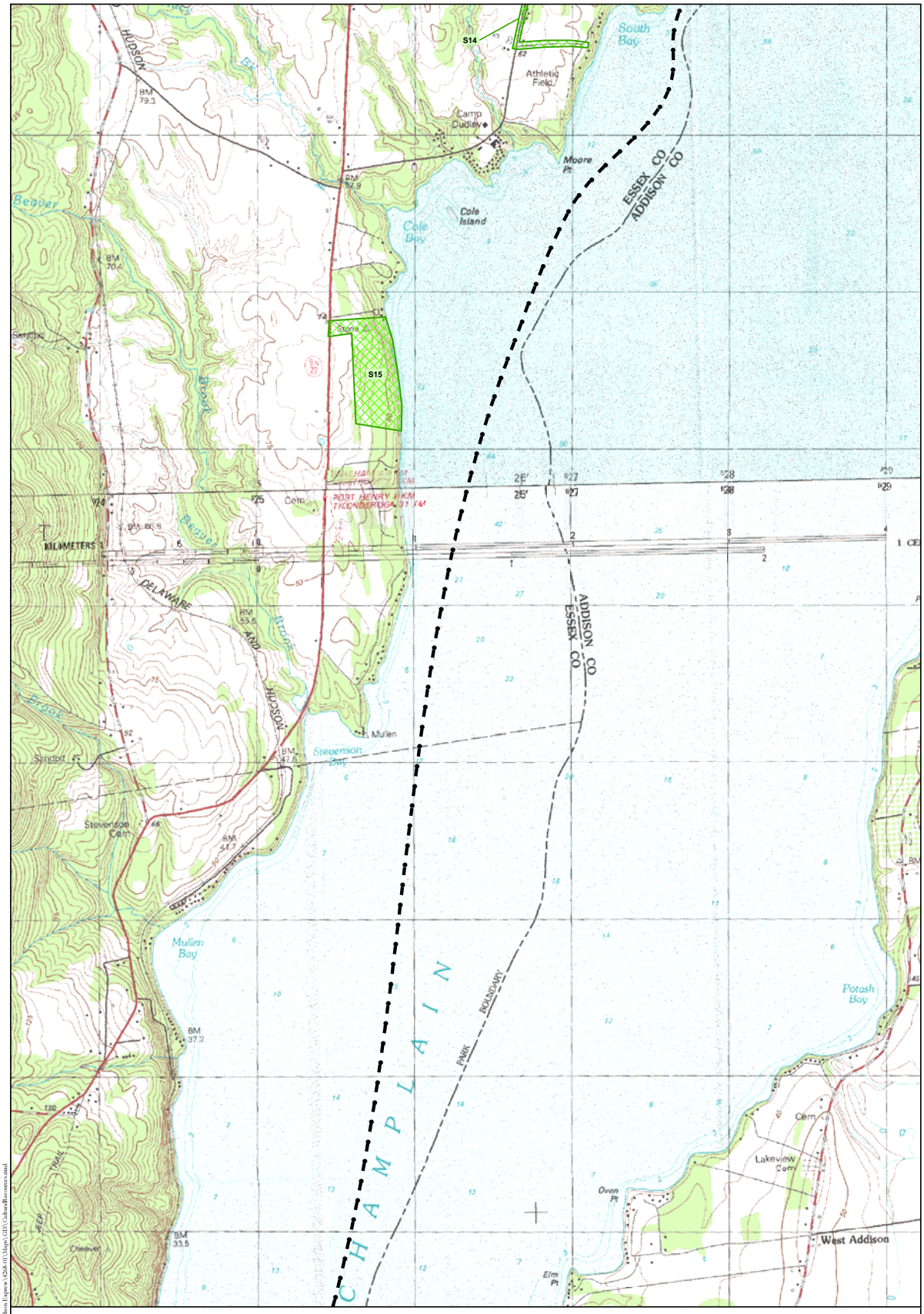
Note: Contour interval is 10 feet.

Previous Archeological Survey Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 14 b

DS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268-01\Maps\GIS\CulturalResources.mxd



Legend

- Previous Archeological Survey
- S## Previous Archeological Survey ID (See Appendix 2)
- Proposed Alignment
- Overland Study Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

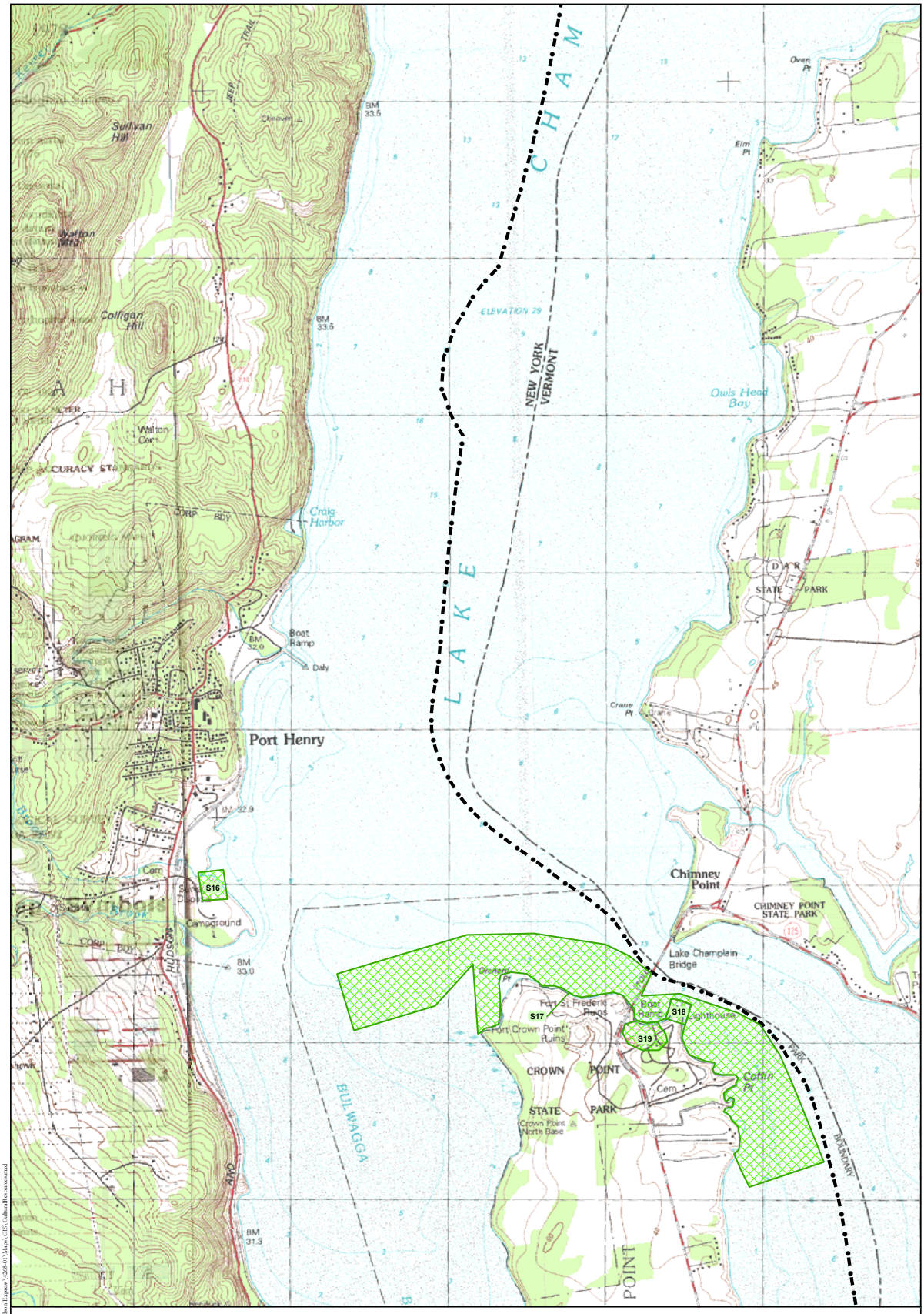
Note: Contour interval is 10 feet.

Previous Archeological Survey Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 15 b

DS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268-01\Maps\GIS\CulturalResources.mxd



Legend

- Previous Archeological Survey
- S## Previous Archeological Survey ID (See Appendix 2)
- Proposed Alignment
- Overland Study Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

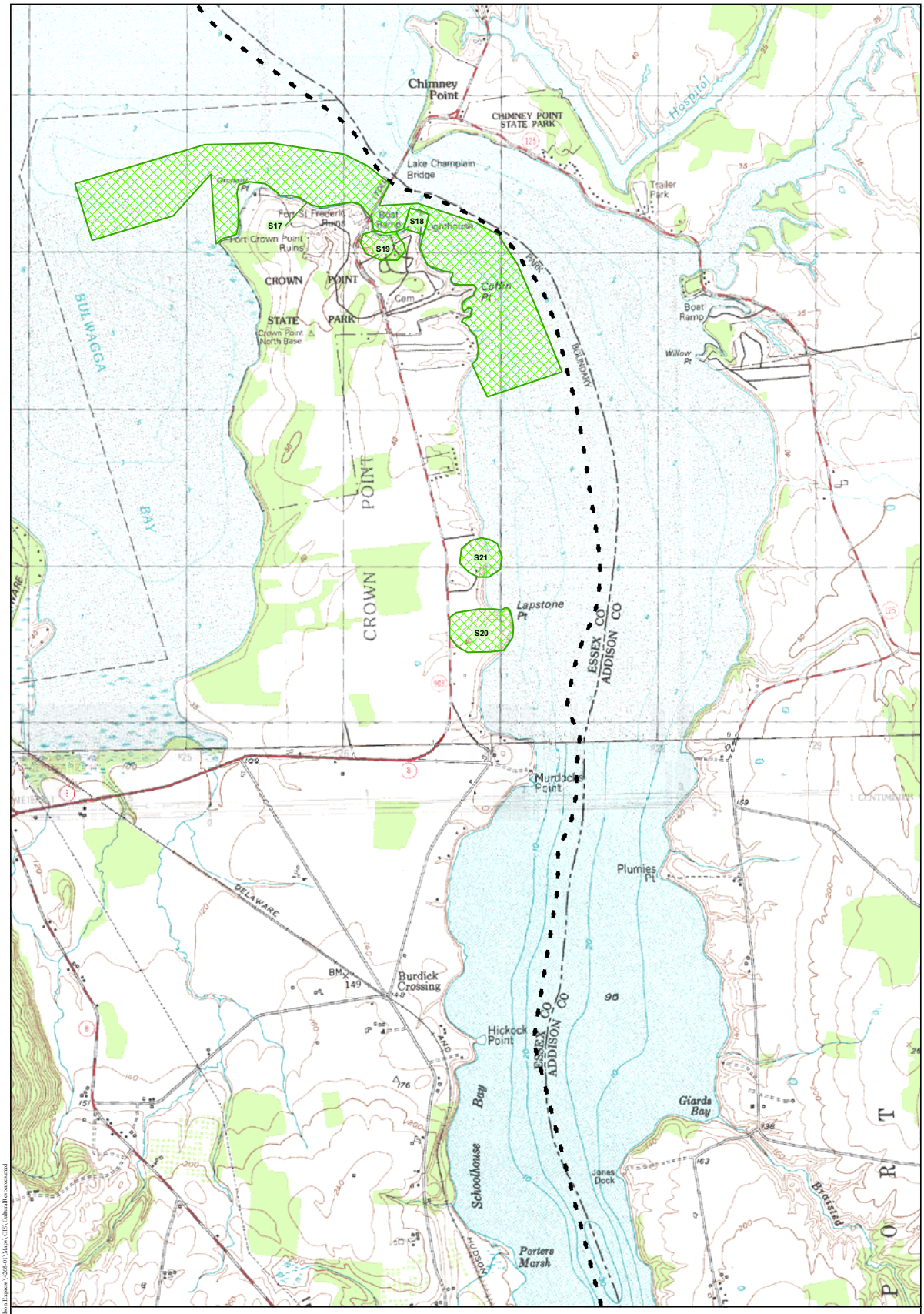
Note: Contour interval is 10 feet.

Previous Archeological Survey Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 16 b

DS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268-01\Maps\GIS\CulturalResources.mxd



Legend

- Previous Archeological Survey
- S## Previous Archeological Survey ID (See Appendix 2)
- Proposed Alignment
- Overland Study Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

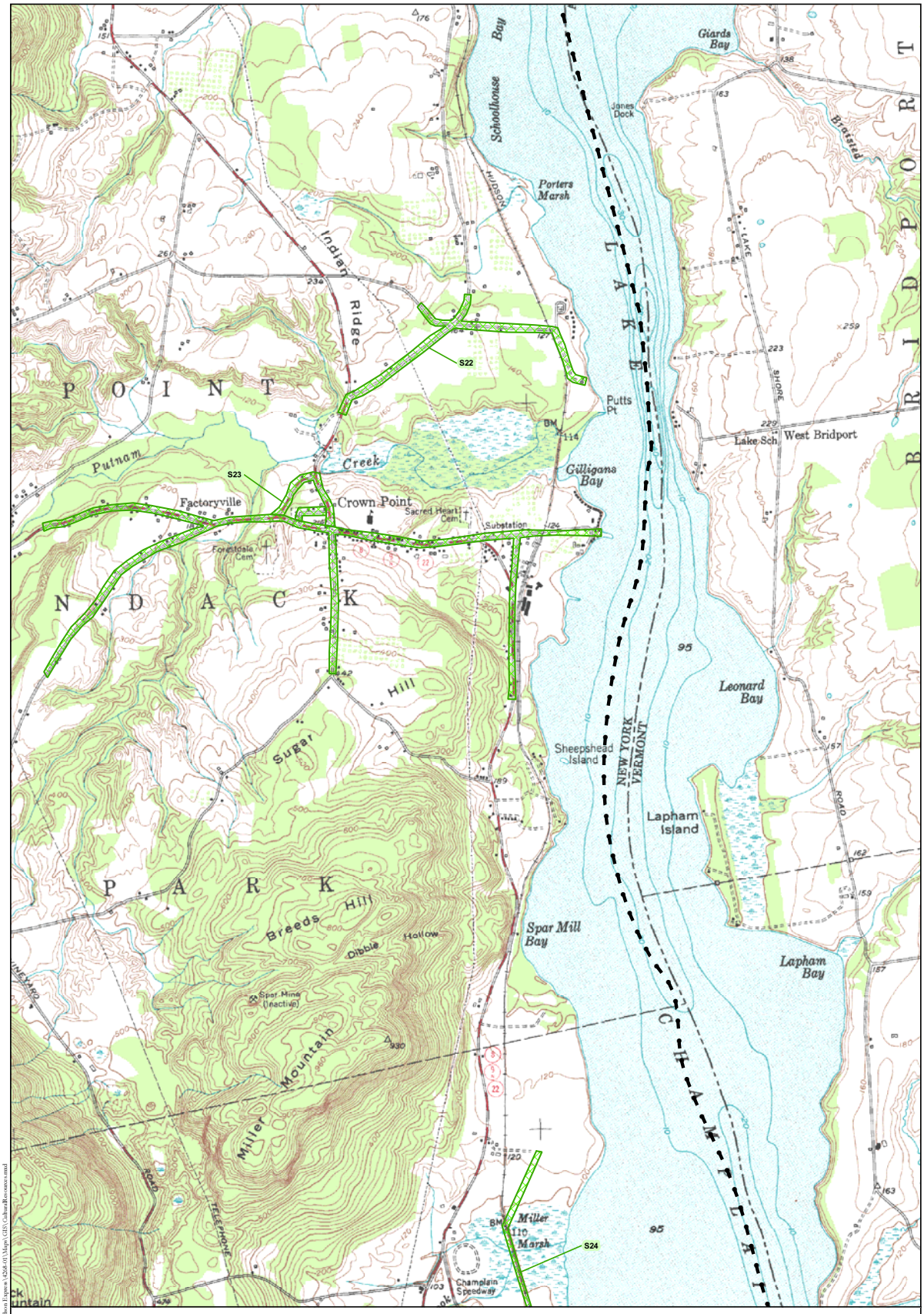
Note: Contour interval is 10 feet.

Previous Archeological Survey Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 17 b

JS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268-01\Maps\GIS\CulturalResources.mxd



Legend

- Previous Archeological Survey
- S## Previous Archeological Survey ID (See Appendix 2)
- Proposed Alignment
- Overland Study Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

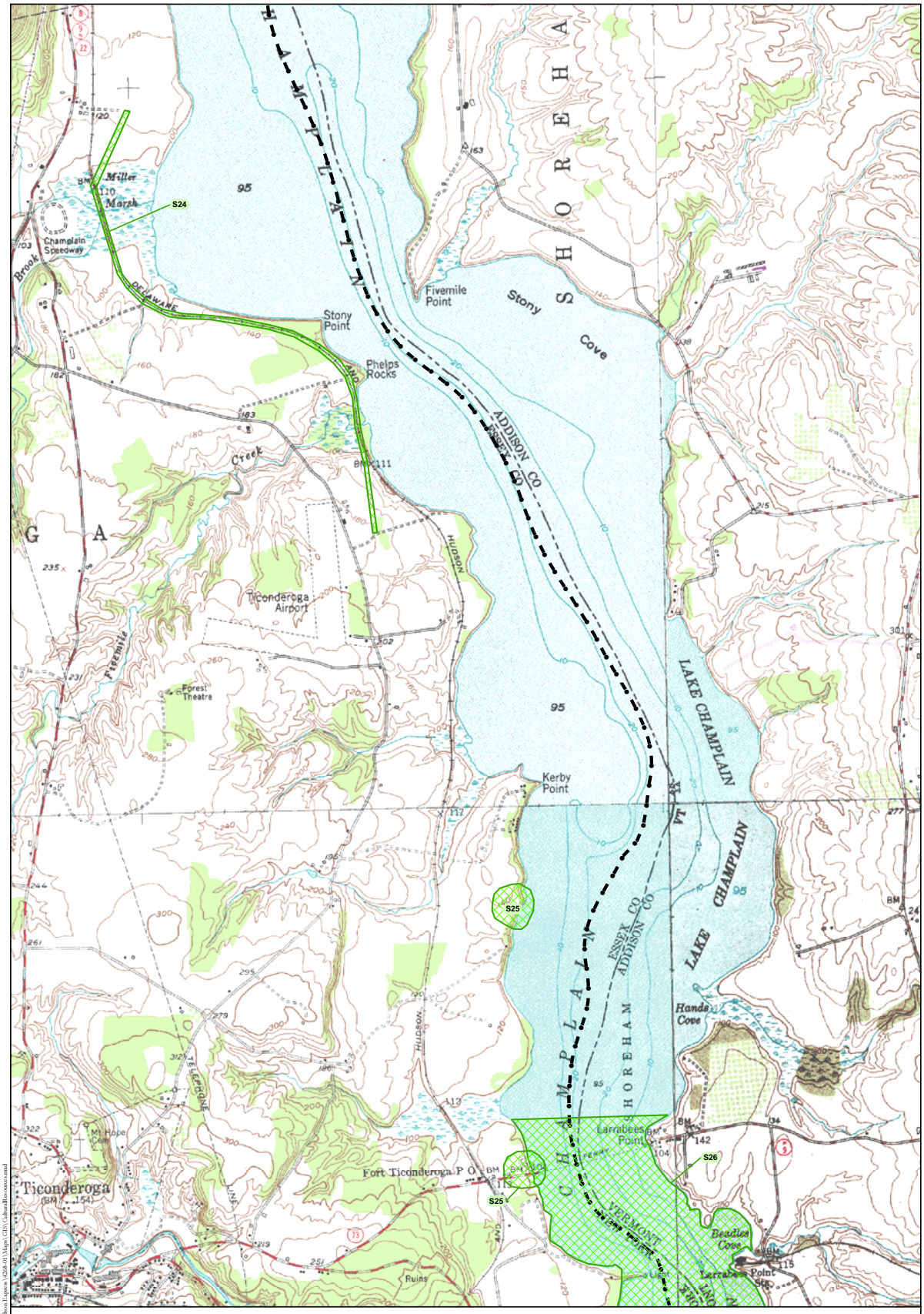
Note: Contour interval is 10 feet.

Previous Archeological Survey Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 18 b

DS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268-01\Maps\GIS\CulturalResources.mxd



Legend

- Previous Archeological Survey
- S## Previous Archeological Survey ID (See Appendix 2)
- Proposed Alignment
- Overland Study Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

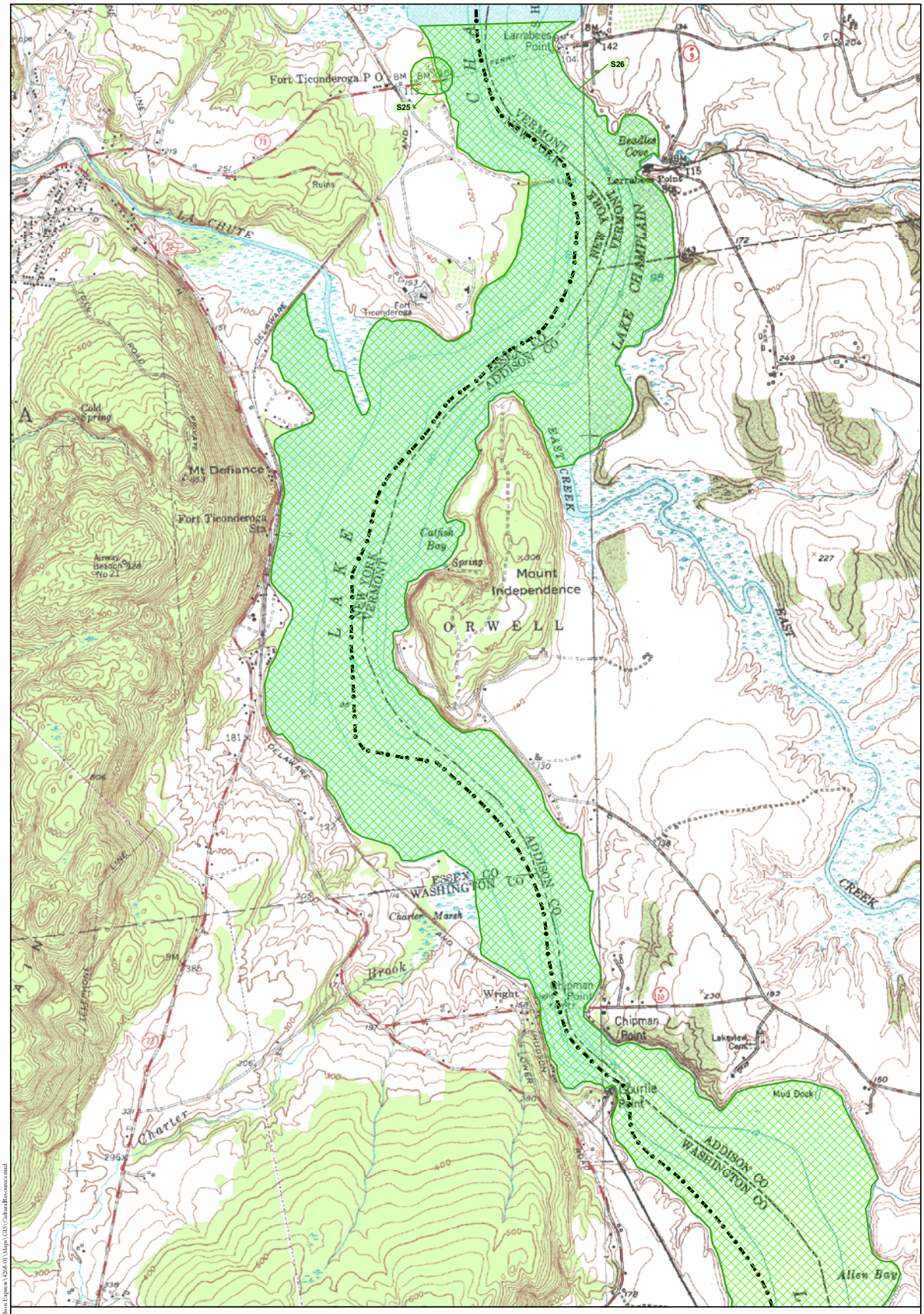
Note: Contour interval is 10 feet.

Previous Archeological Survey Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 19 b

JS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268.01\Maps\GIS\CulturalResources.mxd



Legend

- Previous Archeological Survey
- S## Previous Archeological Survey ID (See Appendix 2)
- Proposed Alignment
- Overland Study Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

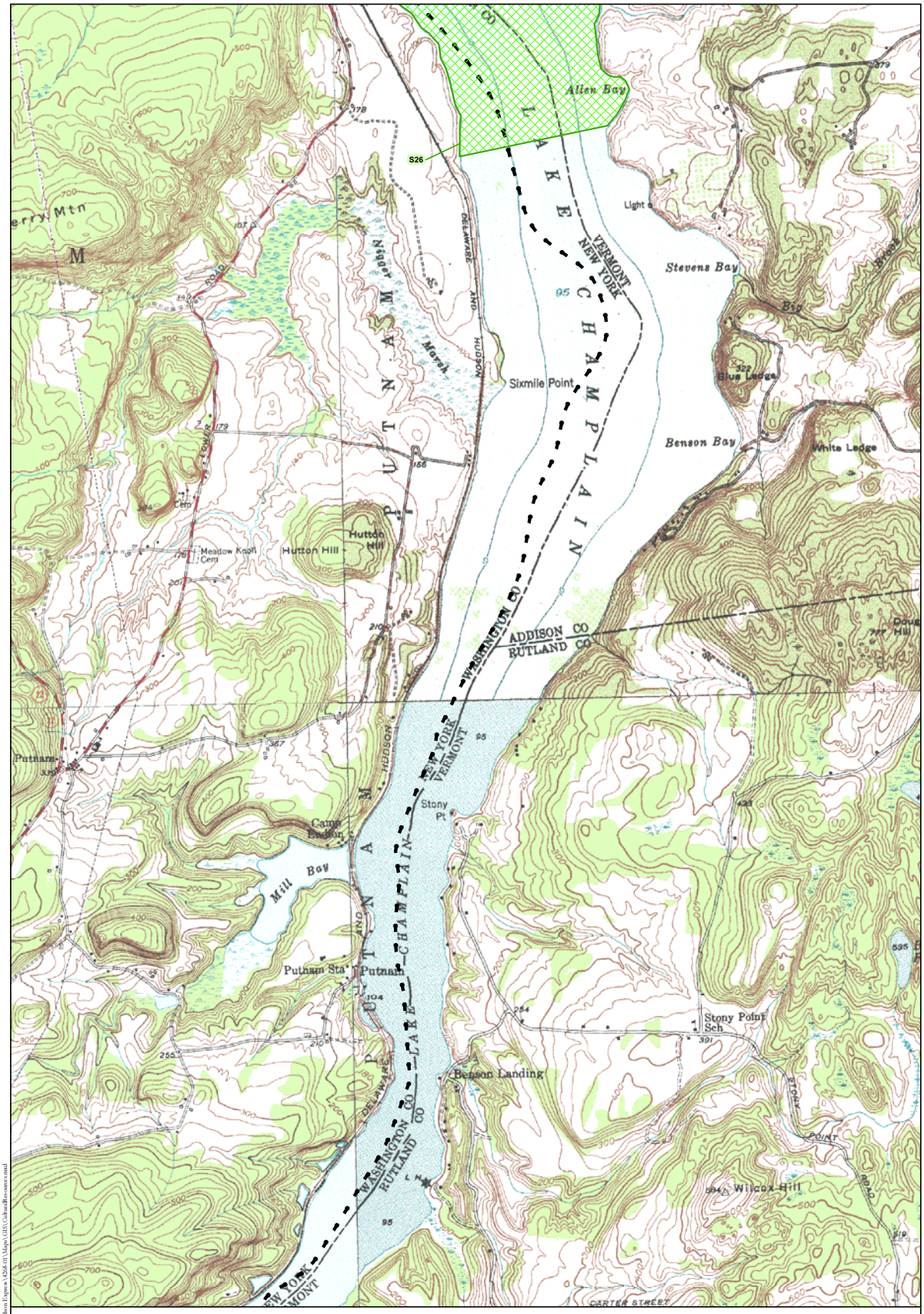
Note: Contour interval is 10 feet.

Previous Archeological Survey Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 20 b

DS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268-01\Maps\GIS\CulturalResources.mxd



Legend

- Previous Archeological Survey
- S## Previous Archeological Survey ID (See Appendix 2)
- Proposed Alignment
- Overland Study Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

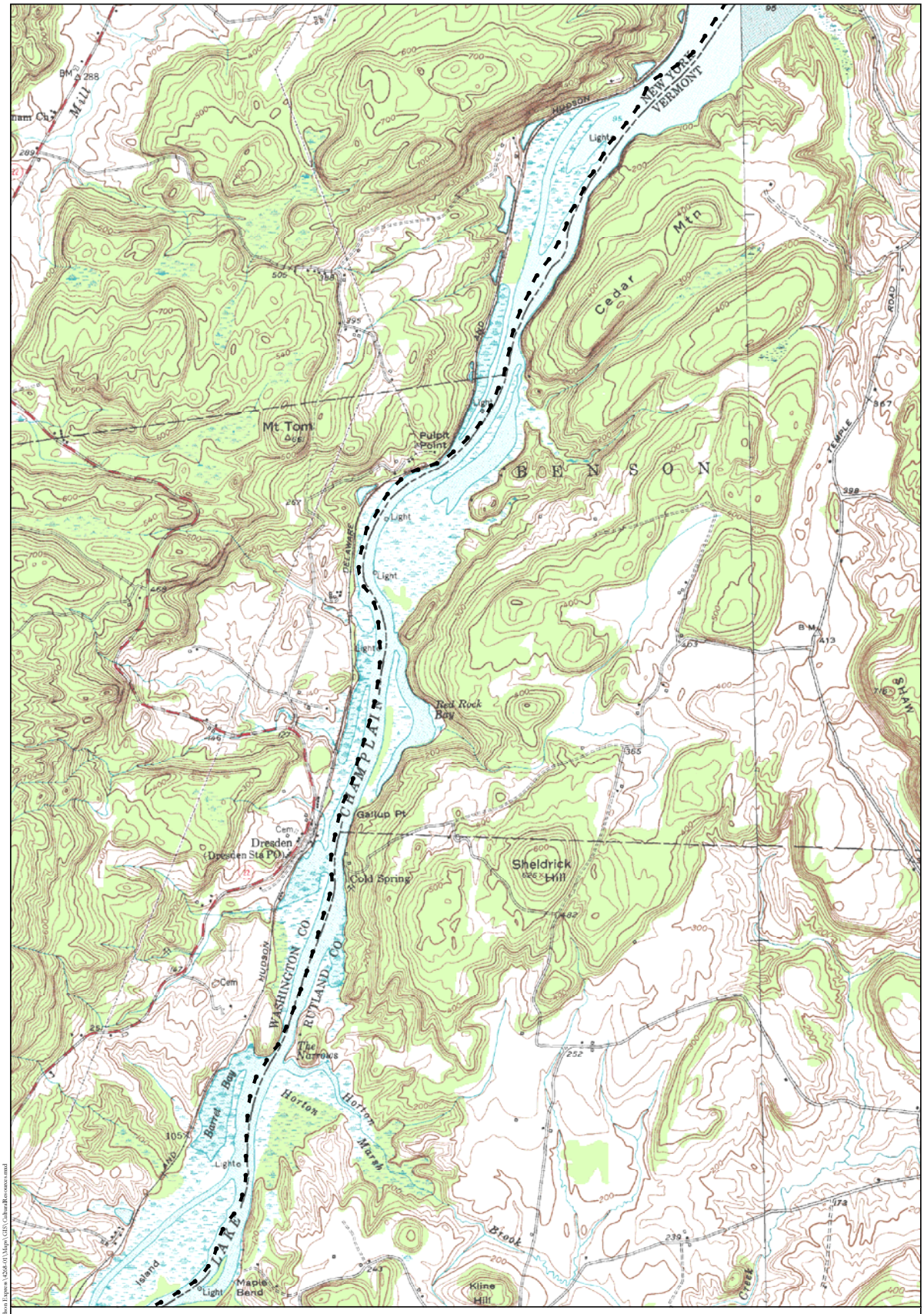
Note: Contour interval is 10 feet.

Previous Archeological Survey Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 21 b

ES February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268-01\Maps\GIS\CulturalResources.mxd



Legend

- Previous Archeological Survey
- S## Previous Archeological Survey ID (See Appendix 2)
- Proposed Alignment
- Overland Study Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

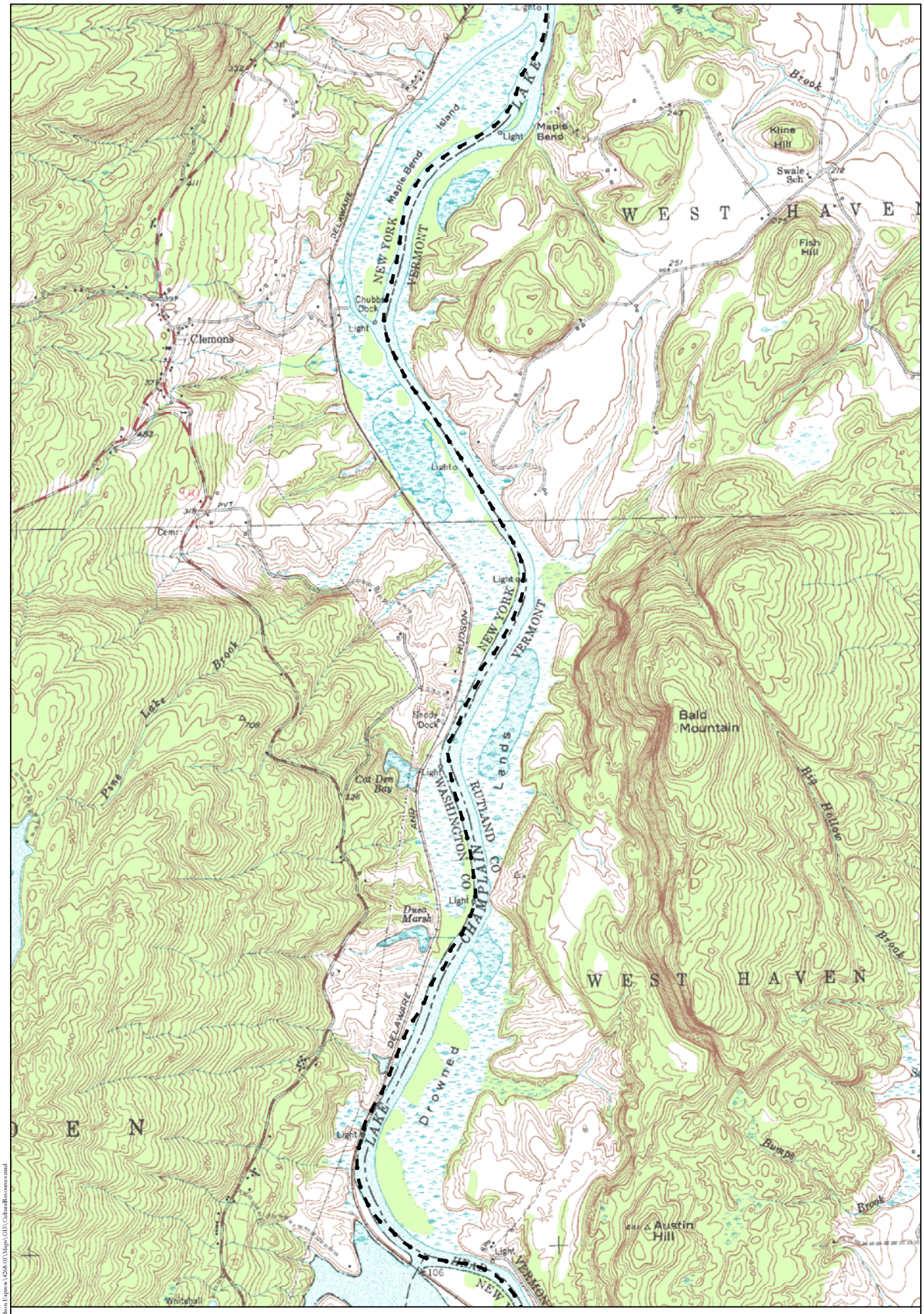
Note: Contour interval is 10 feet.

Previous Archeological Survey Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 22 b

ES February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268.01\Maps\GIS\CulturalResources.mxd



Legend

- Previous Archeological Survey
- S## Previous Archeological Survey ID (See Appendix 2)
- Proposed Alignment
- Overland Study Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

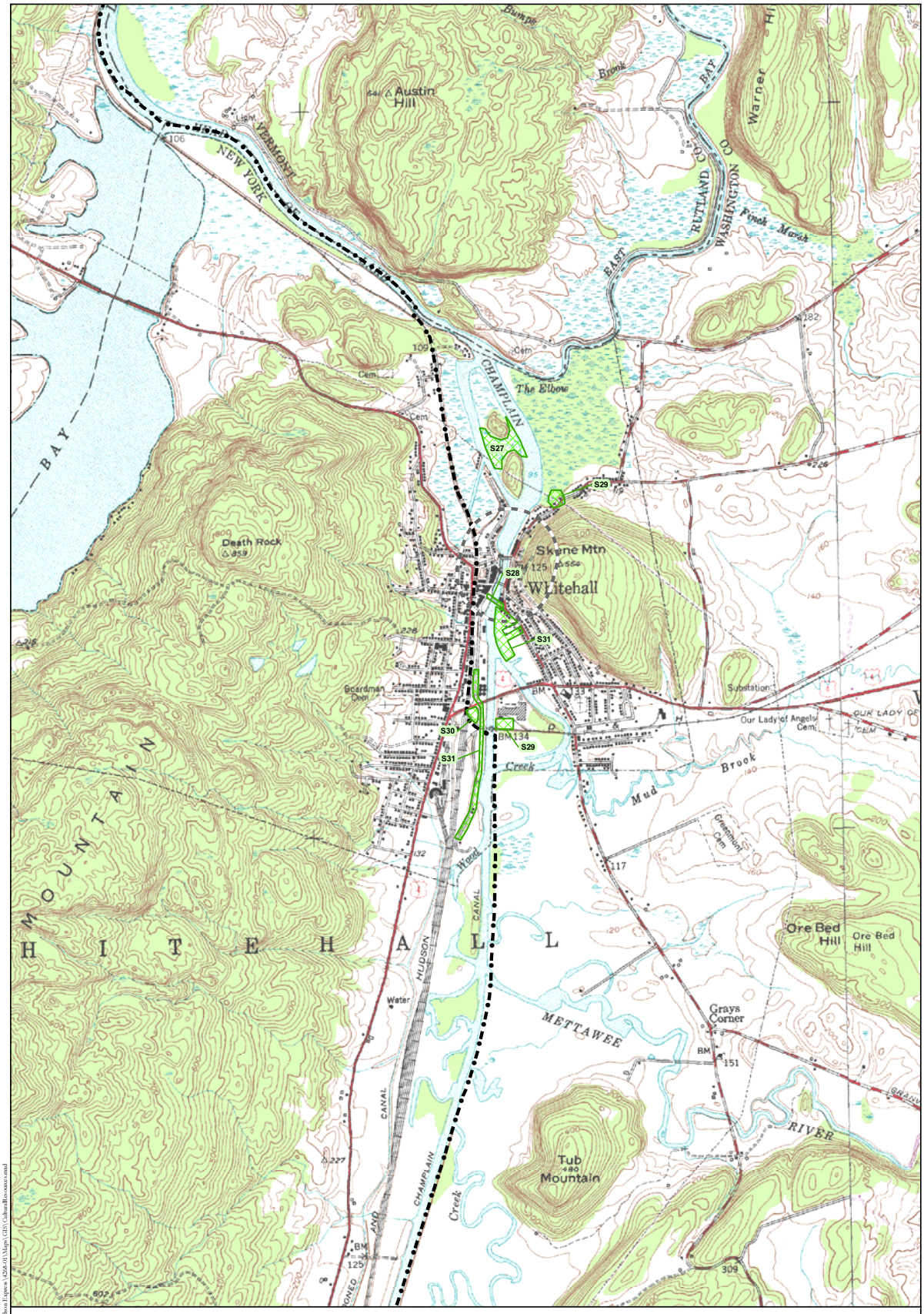
Note: Contour interval is 10 feet.

Previous Archeological Survey Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 23 b

DS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268-01\Maps\GIS\CulturalResources.mxd



Legend

- Previous Archeological Survey
- S## Previous Archeological Survey ID (See Appendix 2)
- Proposed Alignment
- Overland Study Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

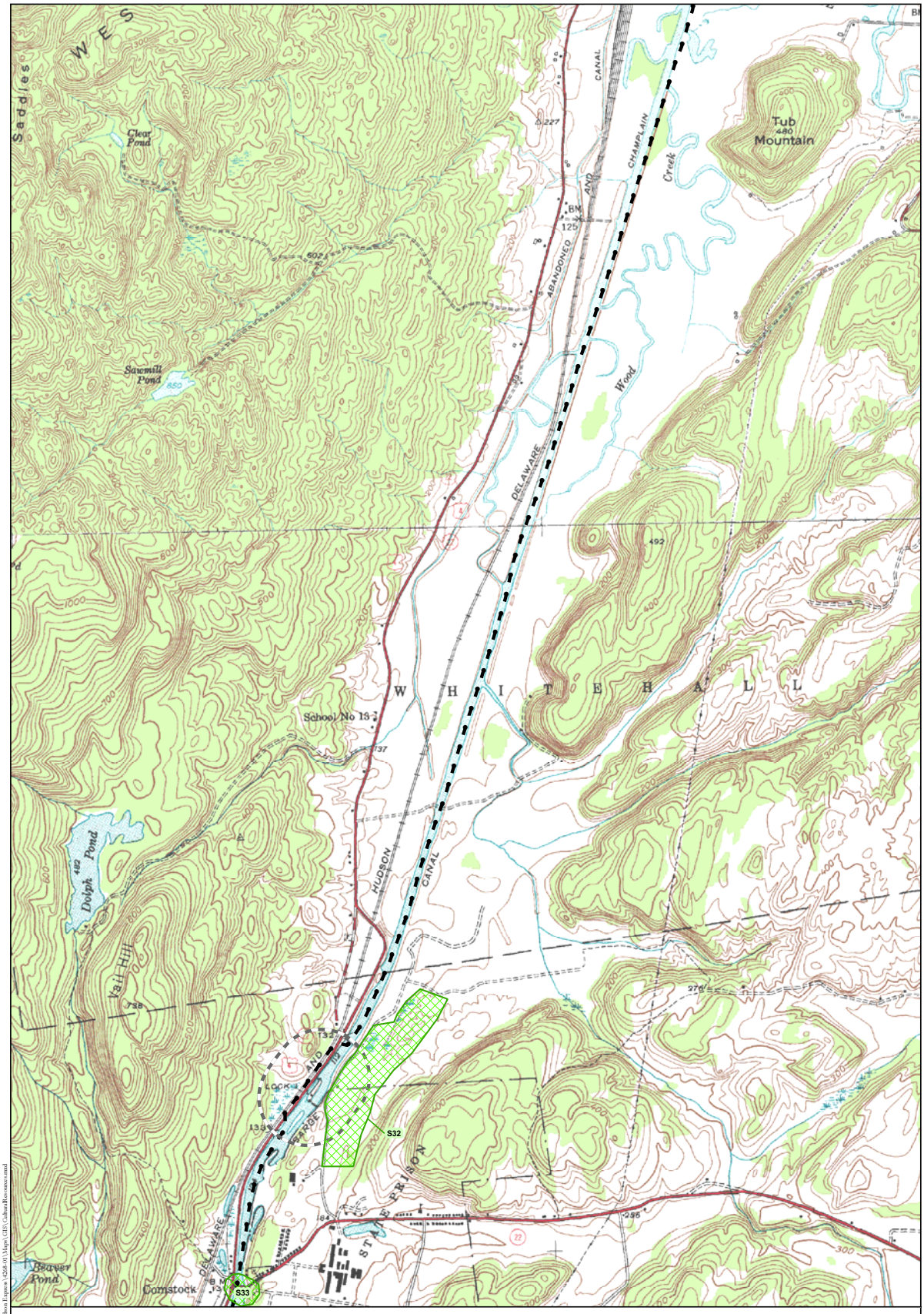
Note: Contour interval is 10 feet.

Previous Archeological Survey Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 24 b

DS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268-01\Maps\GIS\CulturalResources.mxd



Legend

- Previous Archeological Survey
- S## Previous Archeological Survey ID (See Appendix 2)
- Proposed Alignment
- Overland Study Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

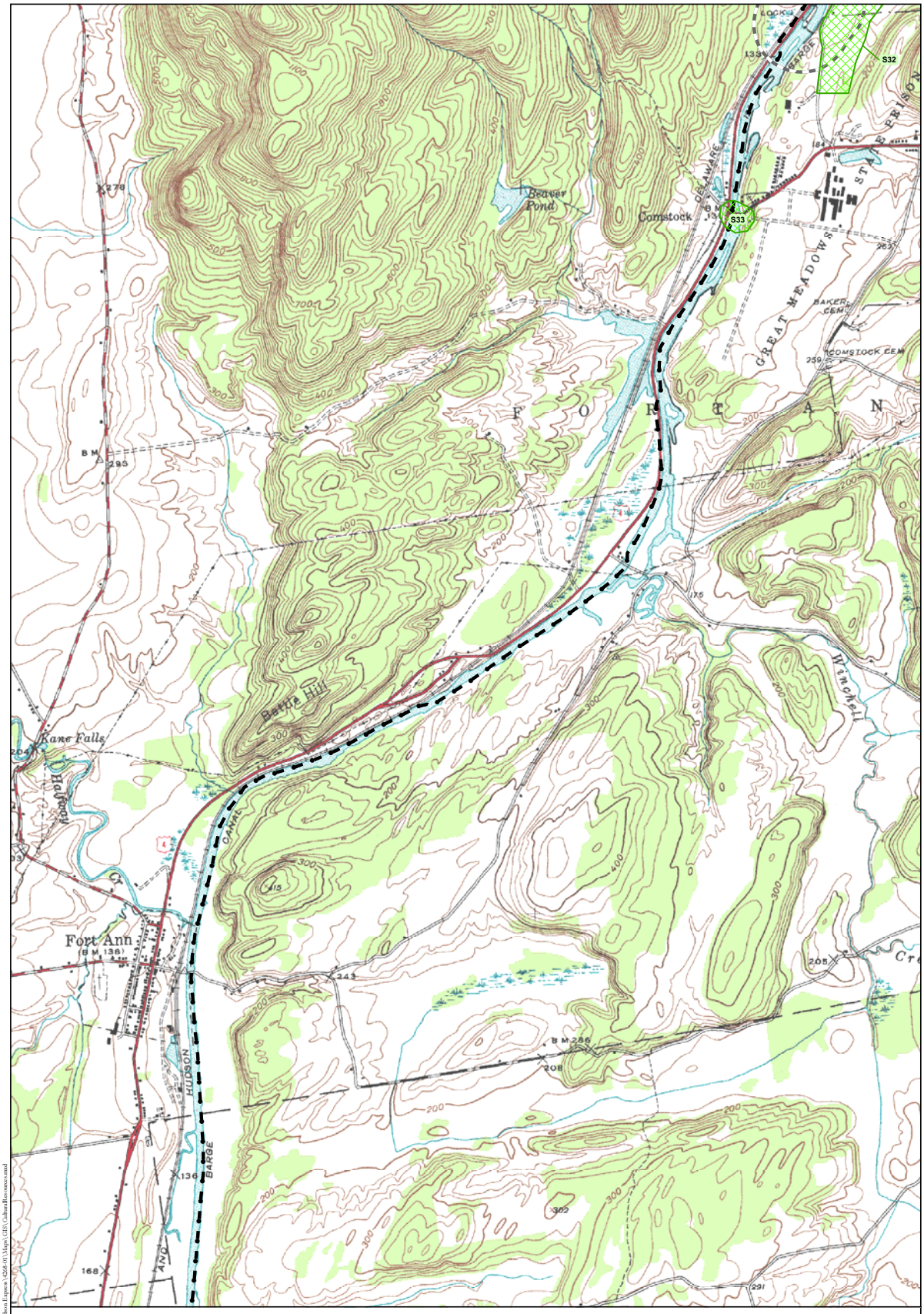
Note: Contour interval is 10 feet.

Previous Archeological Survey Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 25 b

DS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268.01\Maps\GIS\CulturalResources.mxd



Legend

- Previous Archeological Survey
- S## Previous Archeological Survey ID (See Appendix 2)
- Proposed Alignment
- Overland Study Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

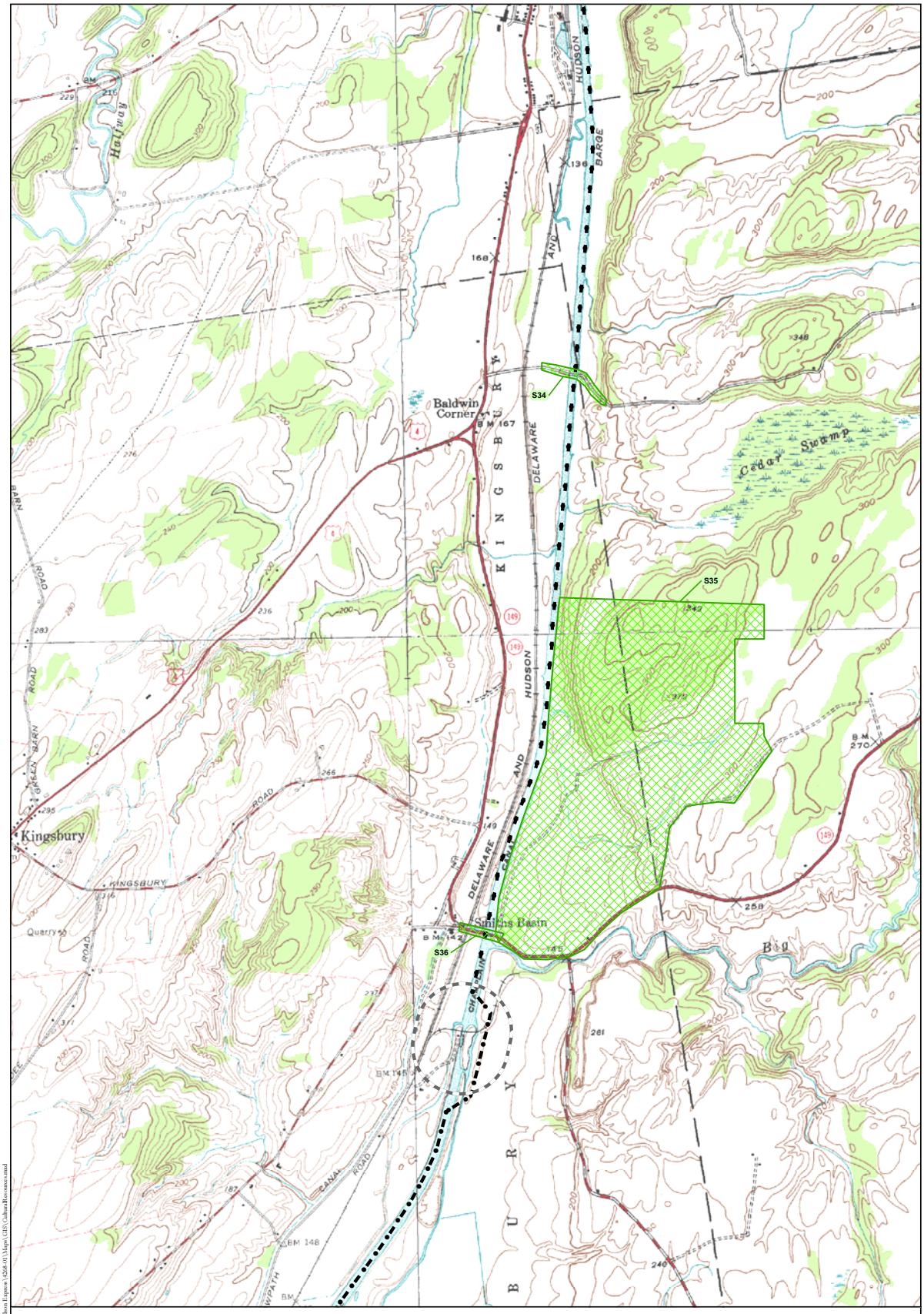
Note: Contour interval is 10 feet.

Previous Archeological Survey Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 26 b

DS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268-01\Maps\GIS\CulturalResources.mxd



Legend

- Previous Archeological Survey
- S## Previous Archeological Survey ID (See Appendix 2)
- Proposed Alignment
- Overland Study Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

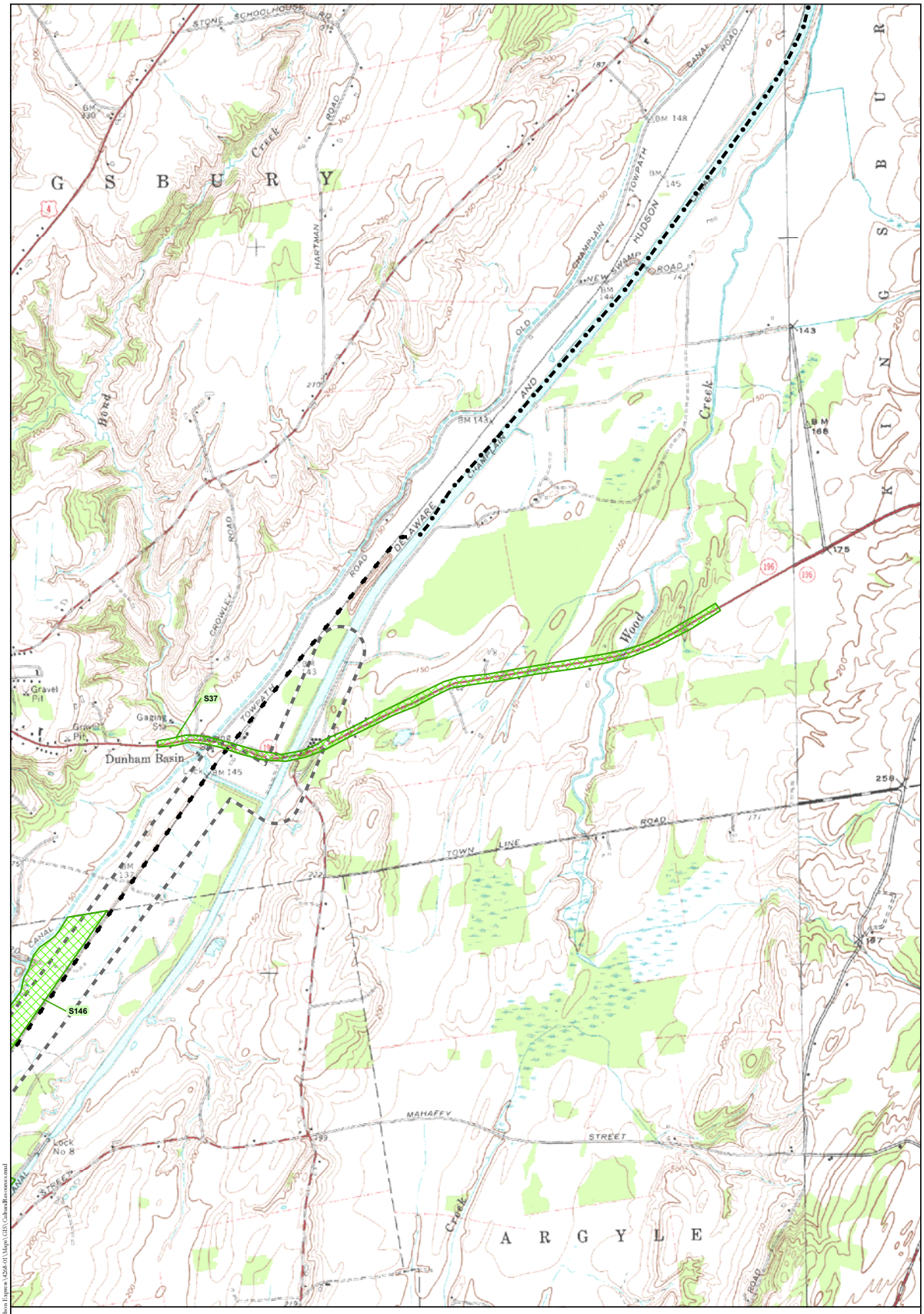
Note: Contour interval is 10 feet.

Previous Archeological Survey Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 27 b

DS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268-01\Maps\GIS\CulturalResources.mxd



Legend

- Previous Archeological Survey
- S## Previous Archeological Survey ID (See Appendix 2)
- Proposed Alignment
- Overland Study Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

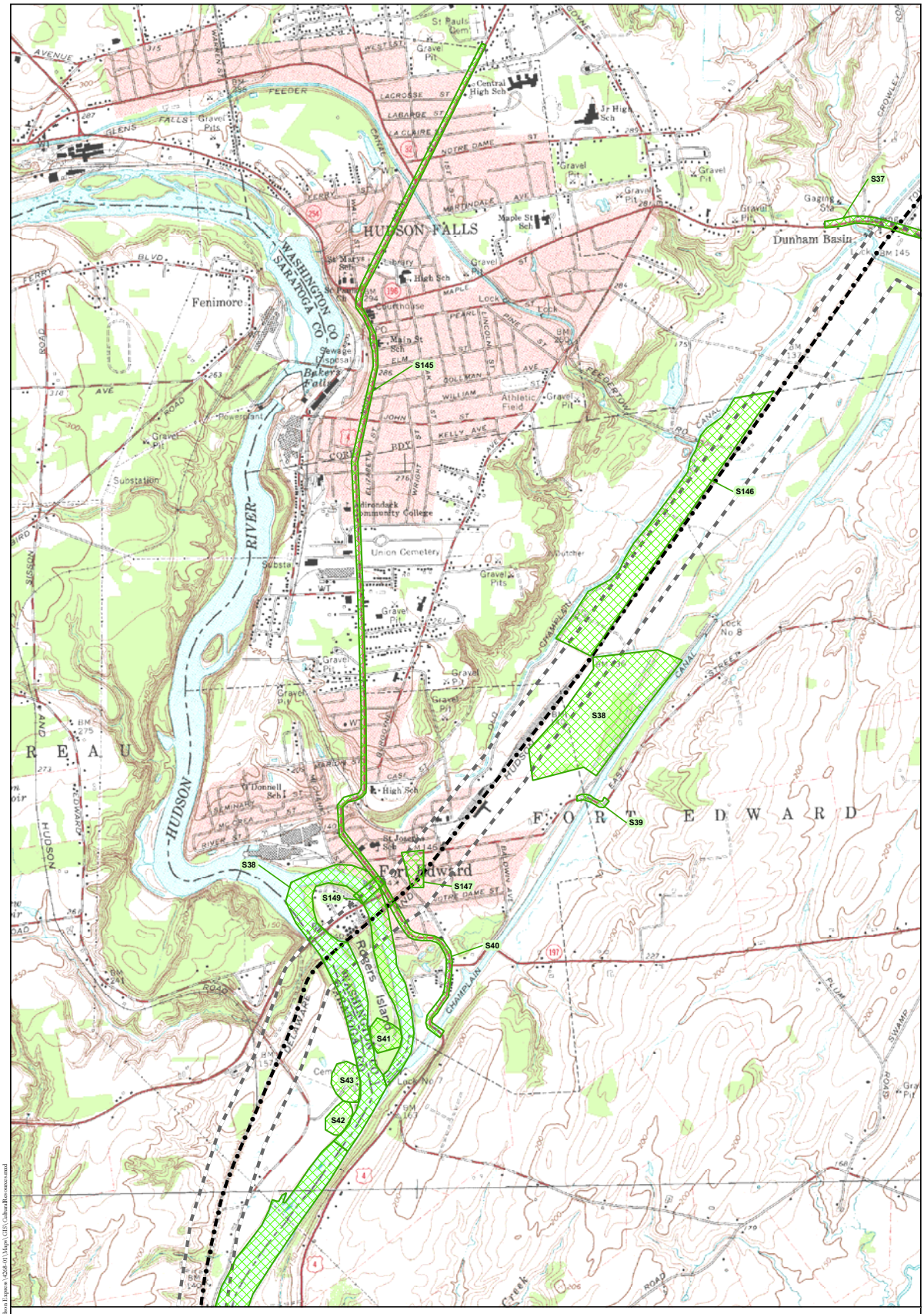
Note: Contour interval is 10 feet.

Previous Archeological Survey Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 28 b

DS February 16, 2010 R:\Active Projects\4268 Orange-Hudson Express\4268-01\Maps\GIS\CulturalResources.mxd



Legend

- Previous Archeological Survey
- S## Previous Archeological Survey ID (See Appendix 2)
- Proposed Alignment
- Overland Study Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

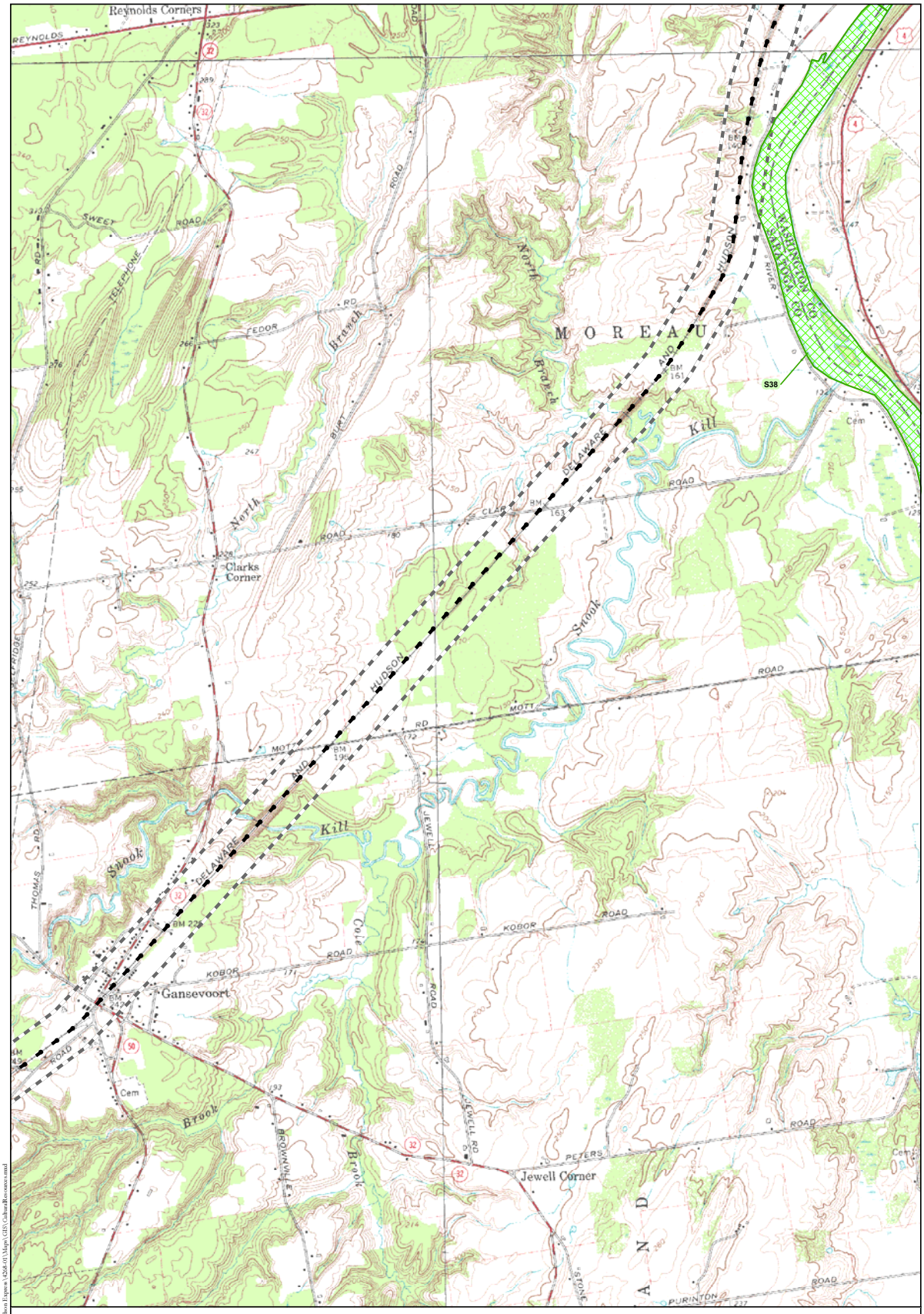
Note: Contour interval is 10 feet.

Previous Archeological Survey Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 29 b

DS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268-01\Maps\GIS\CulturalResources.mxd



Legend

- Previous Archeological Survey
- S## Previous Archeological Survey ID (See Appendix 2)
- Proposed Alignment
- Overland Study Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

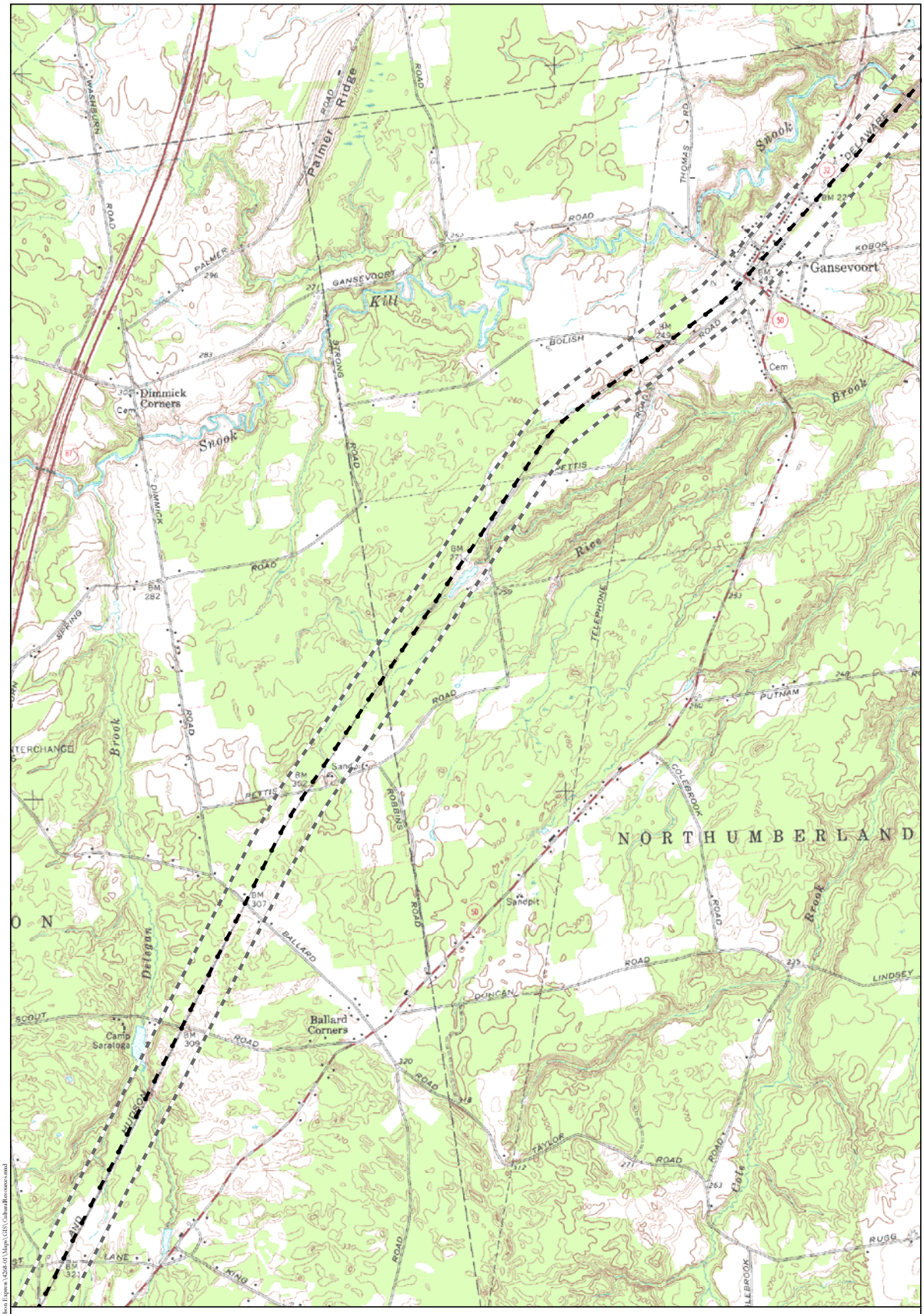
Note: Contour interval is 10 feet.

Previous Archeological Survey Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 30 b

DS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268-01\Maps\GIS\CulturalResources.mxd



Legend

- Previous Archeological Survey
- S## Previous Archeological Survey ID (See Appendix 2)
- Proposed Alignment
- Overland Study Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

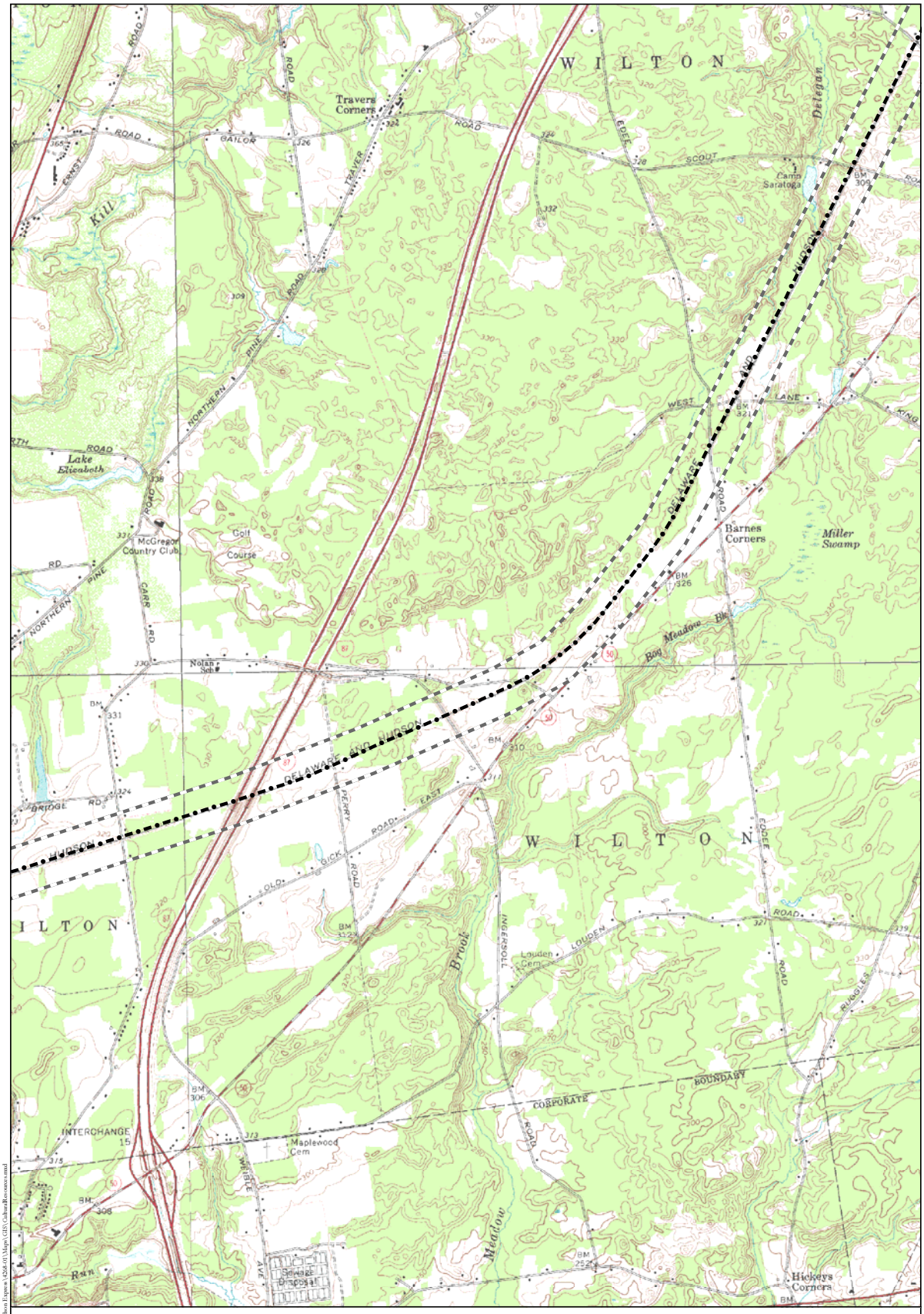
Note: Contour interval is 10 feet.

Previous Archeological Survey Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 31b

DS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268-01\Maps\GIS\CulturalResources.mxd



Legend

- Previous Archeological Survey
- S## Previous Archeological Survey ID (See Appendix 2)
- Proposed Alignment
- Overland Study Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

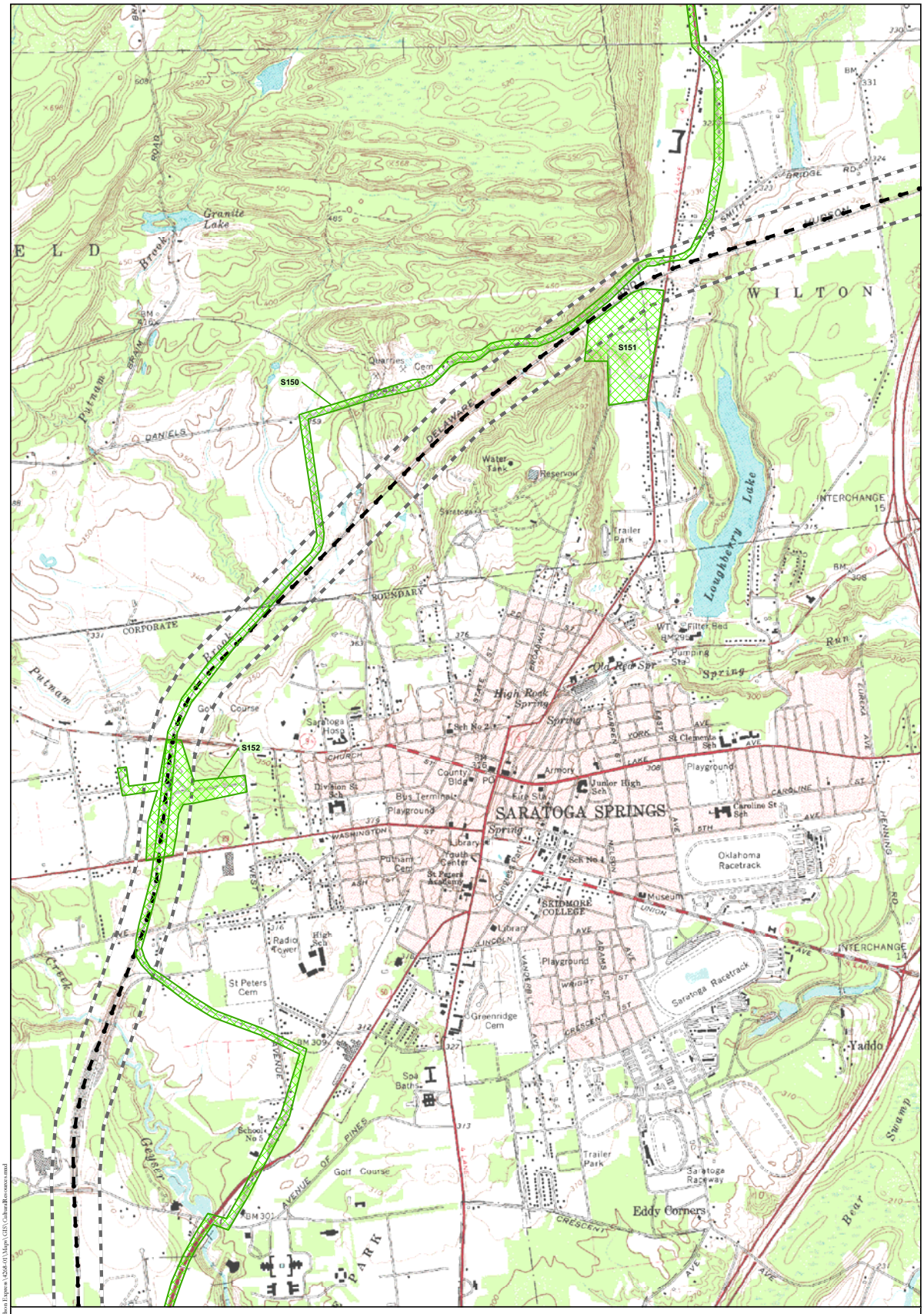
Note: Contour interval is 10 feet.

Previous Archeological Survey Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 32 b

DS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268-01\Maps\GIS\CulturalResources.mxd



Legend

- Previous Archeological Survey
- S## Previous Archeological Survey ID (See Appendix 2)
- Proposed Alignment
- Overland Study Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

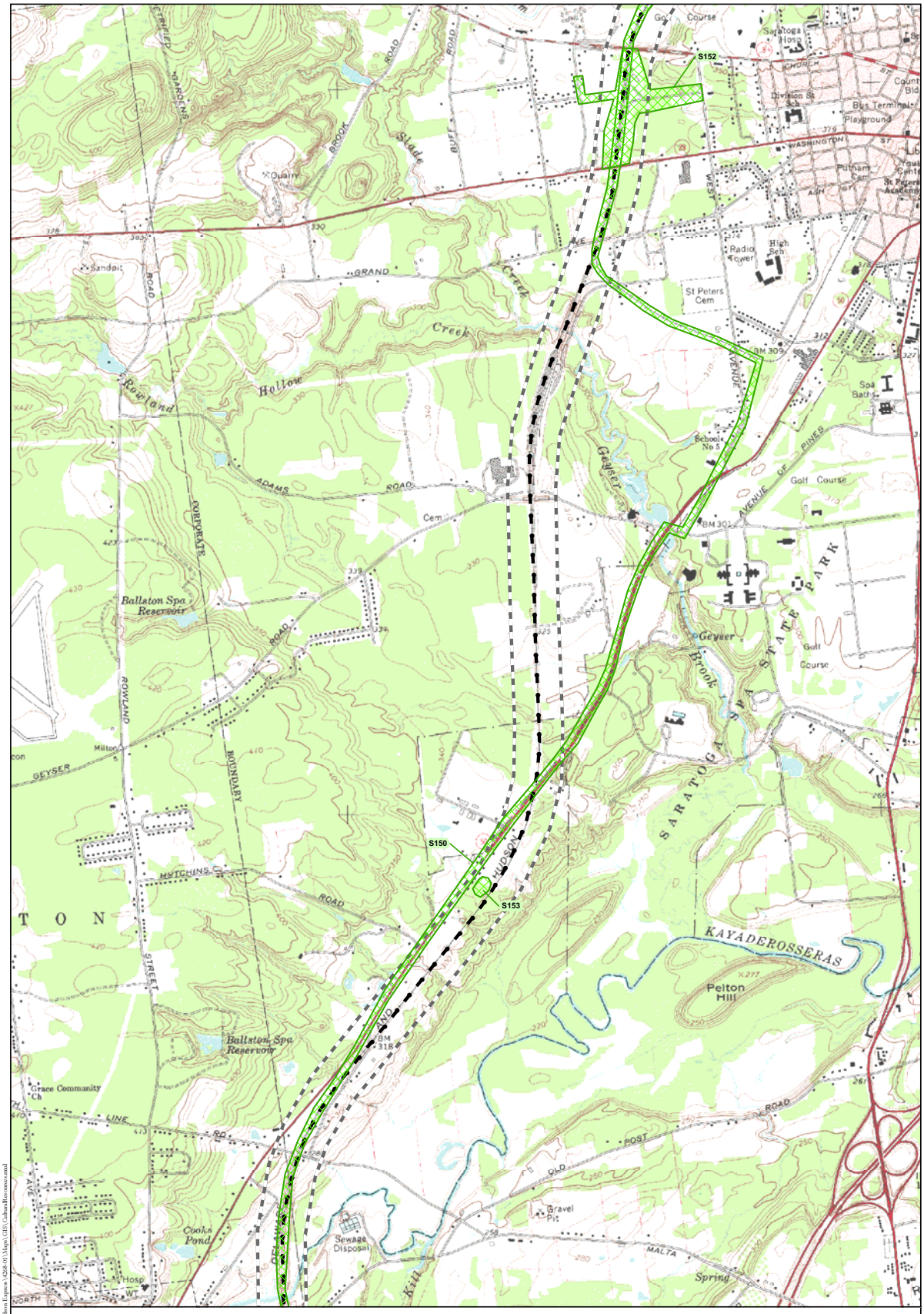
Note: Contour interval is 10 feet.

Previous Archeological Survey Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 33 b

ES February 16, 2010 R:\Active Projects\4268 Orange-Hudson Express\4268-01\Maps\GIS\CulturalResources.mxd



Legend

- Previous Archeological Survey
- S## Previous Archeological Survey ID (See Appendix 2)
- Proposed Alignment
- Overland Study Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

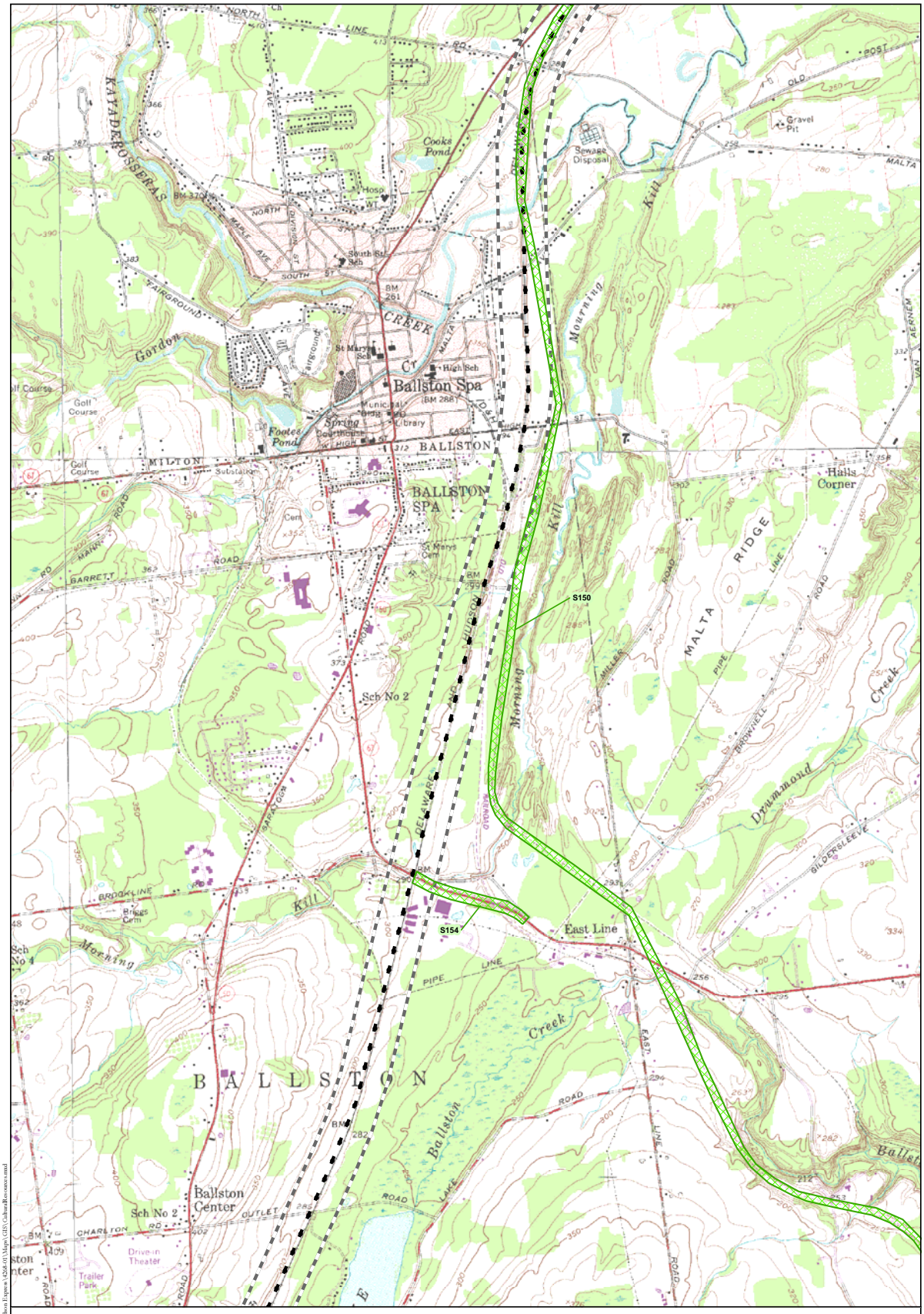
Note: Contour interval is 10 feet.

Previous Archeological Survey Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 34 b

DS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268-01\Maps\GIS\CulturalResources.mxd



Legend

- Previous Archeological Survey
- S## Previous Archeological Survey ID (See Appendix 2)
- Proposed Alignment
- Overland Study Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

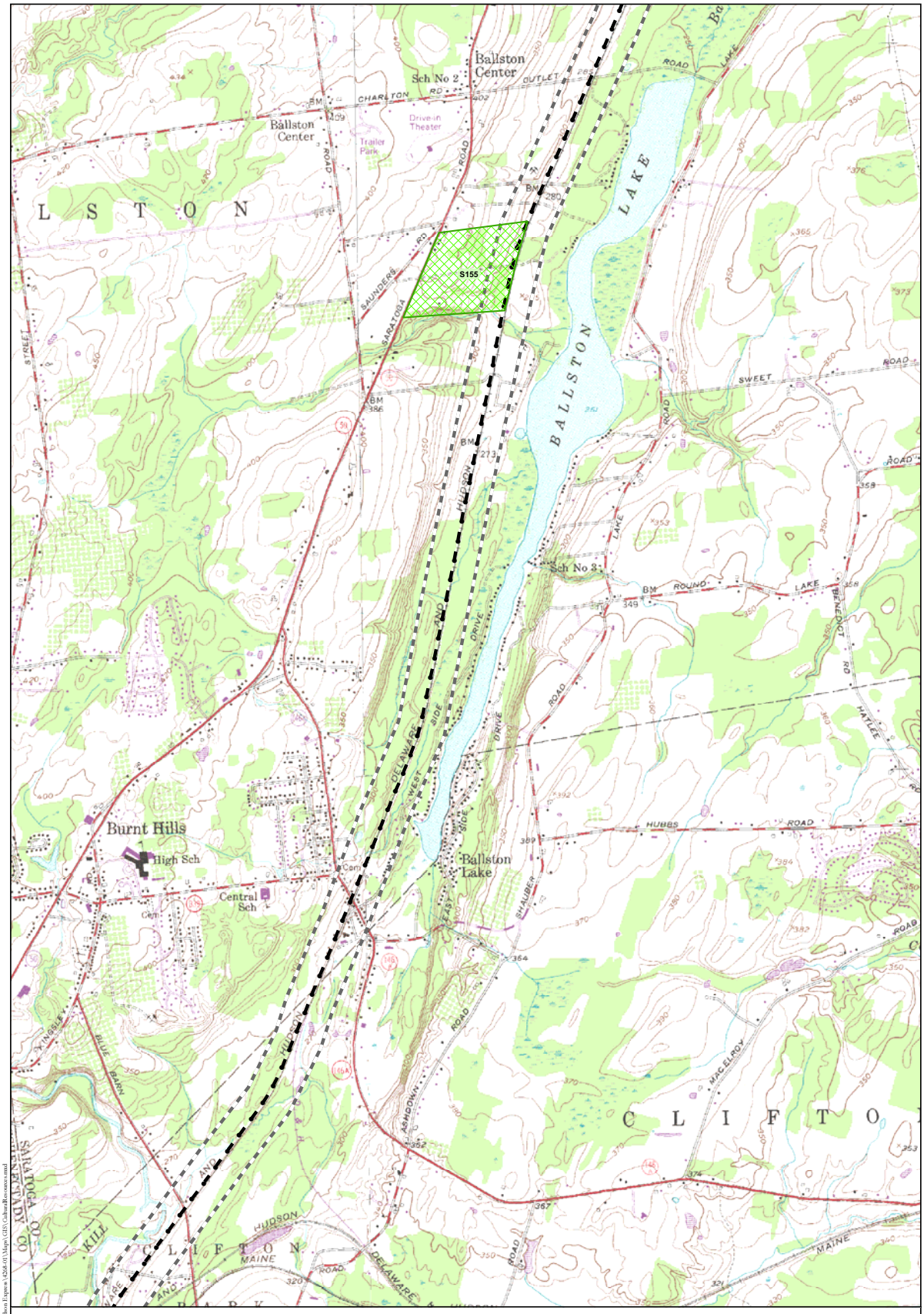
Note: Contour interval is 10 feet.

Previous Archeological Survey Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 35 b

JS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268-01\Maps\GIS\CulturalResources.mxd



Legend

- Previous Archeological Survey
- S## Previous Archeological Survey ID (See Appendix 2)
- Proposed Alignment
- Overland Study Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

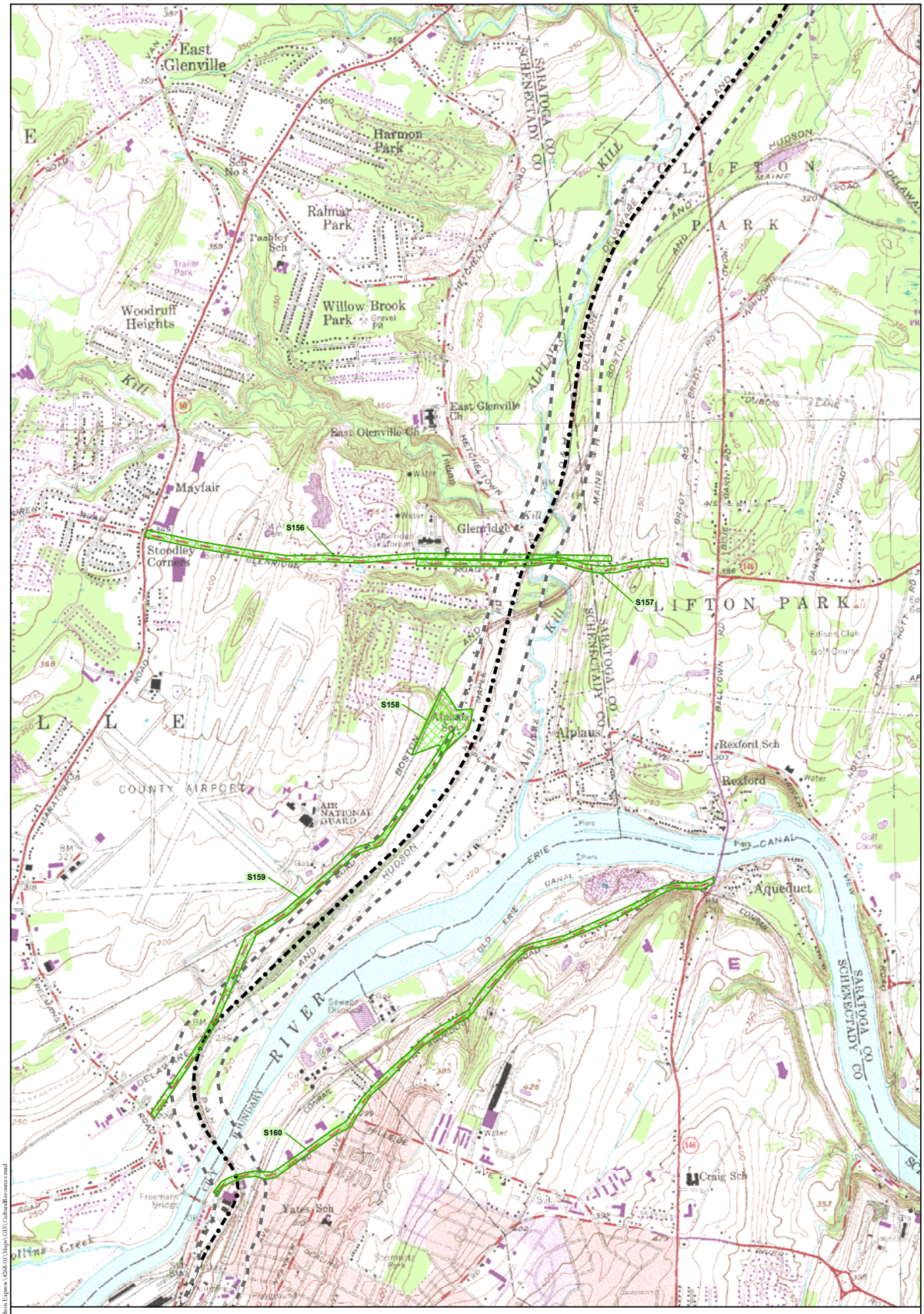
Note: Contour interval is 10 feet.

Previous Archeological Survey Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 36 b

JS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268-01\Maps\GIS\CulturalResources.mxd



Legend

- Previous Archeological Survey
- S## Previous Archeological Survey ID (See Appendix 2)
- Proposed Alignment
- Overland Study Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

Note: Contour interval is 10 feet.

Previous Archeological Survey Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 37 b

JS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268-01\Maps\GIS\CulturalResources.mxd

Legend

- Previous Archeological Survey
- S## Previous Archeological Survey ID (See Appendix 2)
- Proposed Alignment
- Overland Study Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

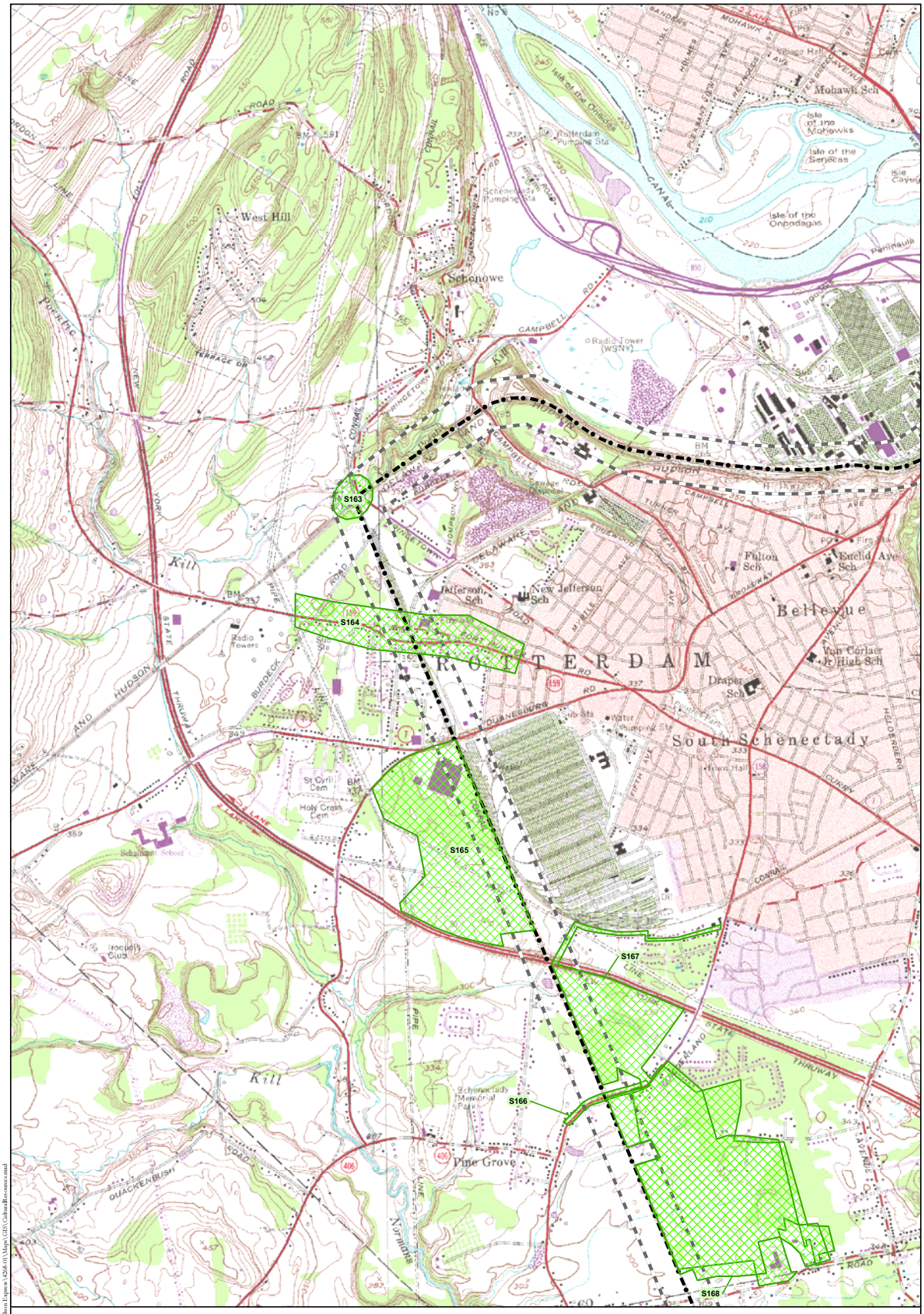
Note: Contour interval is 10 feet.

Previous Archeological Survey Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 38 b

DS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268-01\Maps\GIS\CulturalResources.mxd



Legend

- Previous Archeological Survey
- S## Previous Archeological Survey ID (See Appendix 2)
- Proposed Alignment
- Overland Study Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

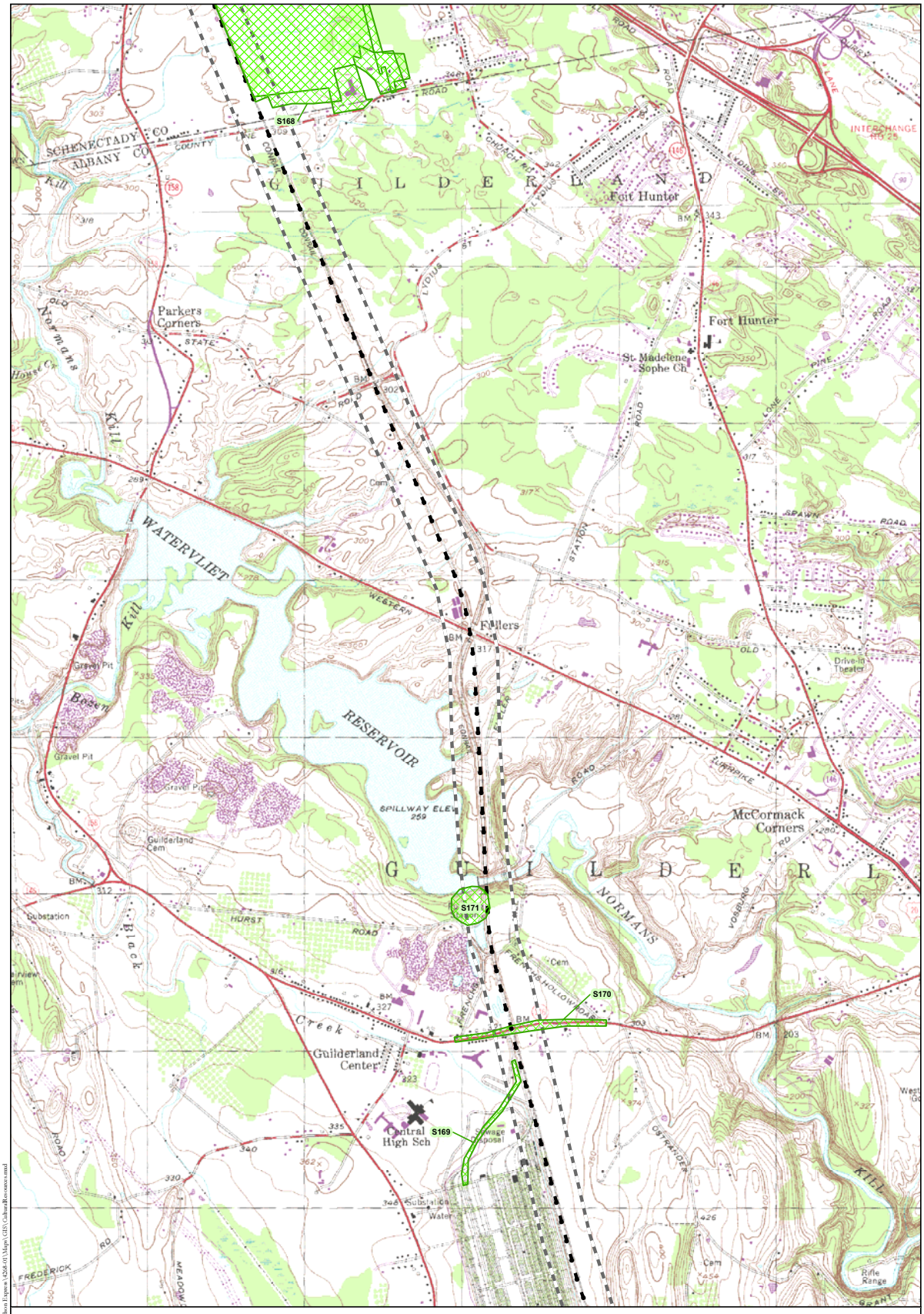
Note: Contour interval is 10 feet.

Previous Archeological Survey Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 39 b

DS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268-01\Maps\GIS\CulturalResources.mxd



Legend

- Previous Archeological Survey
- S## Previous Archeological Survey ID (See Appendix 2)
- Proposed Alignment
- Overland Study Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

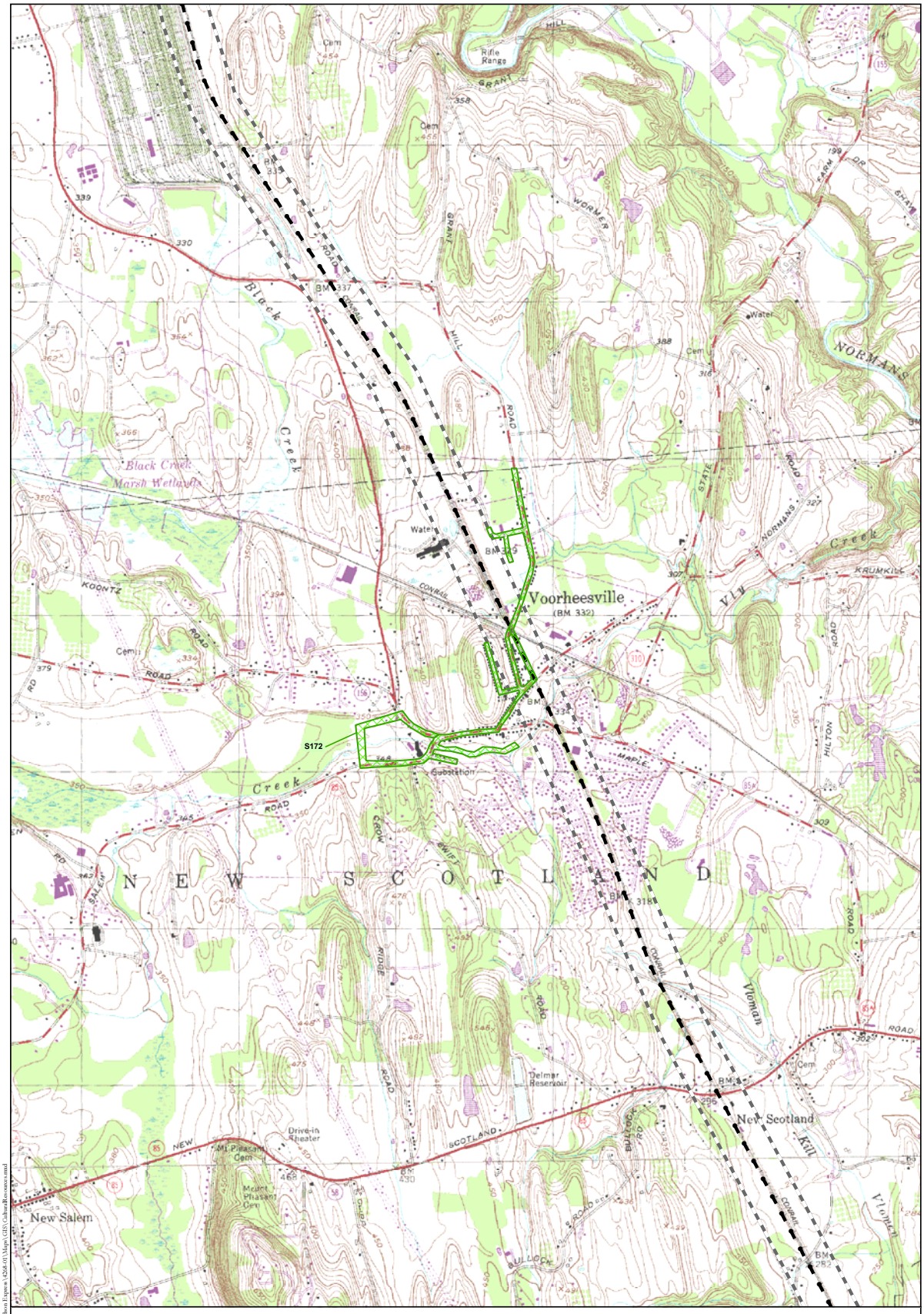
Note: Contour interval is 10 feet.

Previous Archeological Survey Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 40 b

DS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268-01\Maps\GIS\CulturalResources.mxd



Legend

- Previous Archeological Survey
- S## Previous Archeological Survey ID (See Appendix 2)
- Proposed Alignment
- Overland Study Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

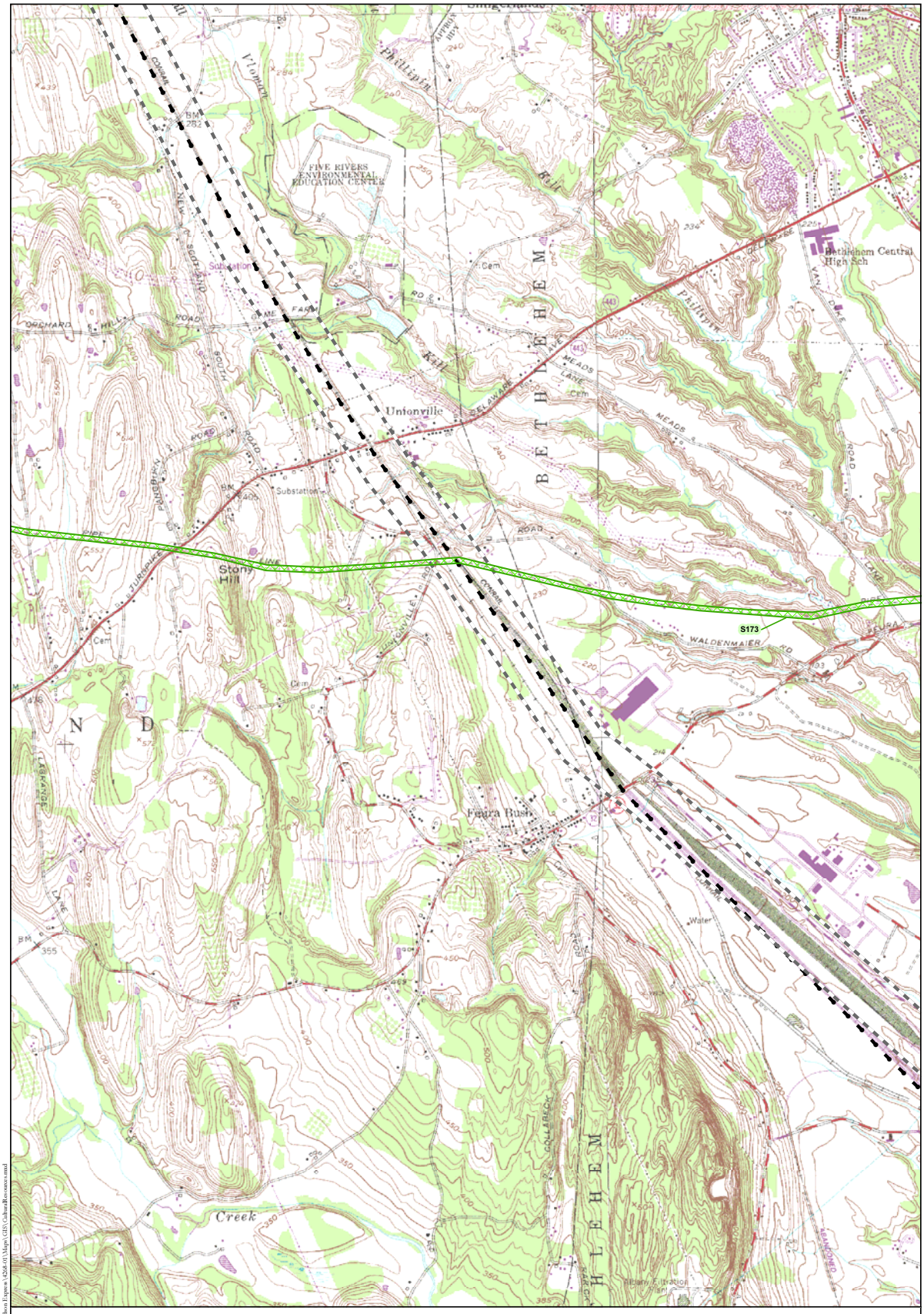
Note: Contour interval is 10 feet.

Previous Archeological Survey Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 41 b

DS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268-01\Maps\GIS\CulturalResources.mxd



Legend

- Previous Archeological Survey
- S## Previous Archeological Survey ID (See Appendix 2)
- Proposed Alignment
- Overland Study Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

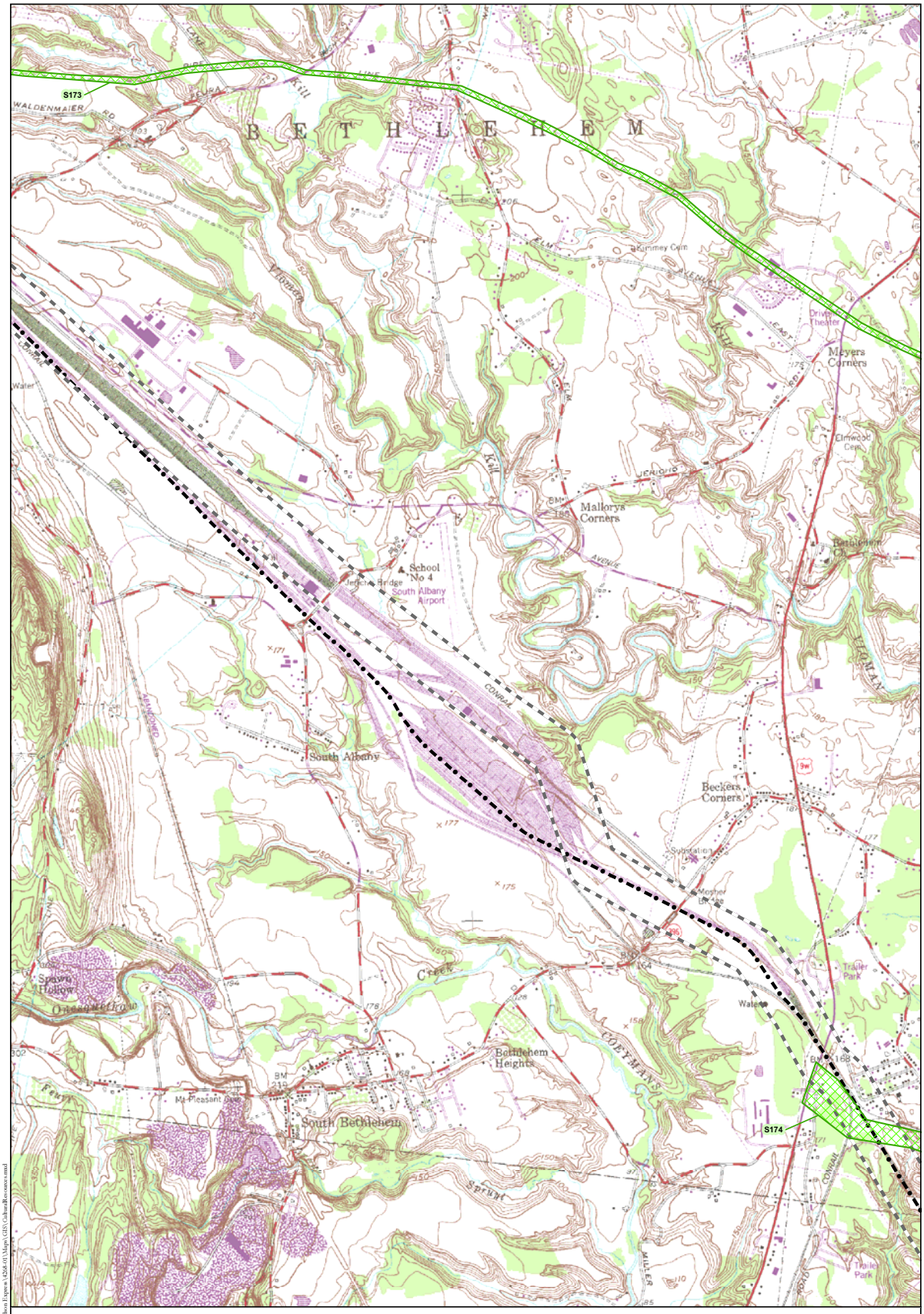
Note: Contour interval is 10 feet.

Previous Archeological Survey Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 42 b

DS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268-01\Maps\GIS\CulturalResources.mxd



Legend

- Previous Archeological Survey
- S## Previous Archeological Survey ID (See Appendix 2)
- Proposed Alignment
- Overland Study Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

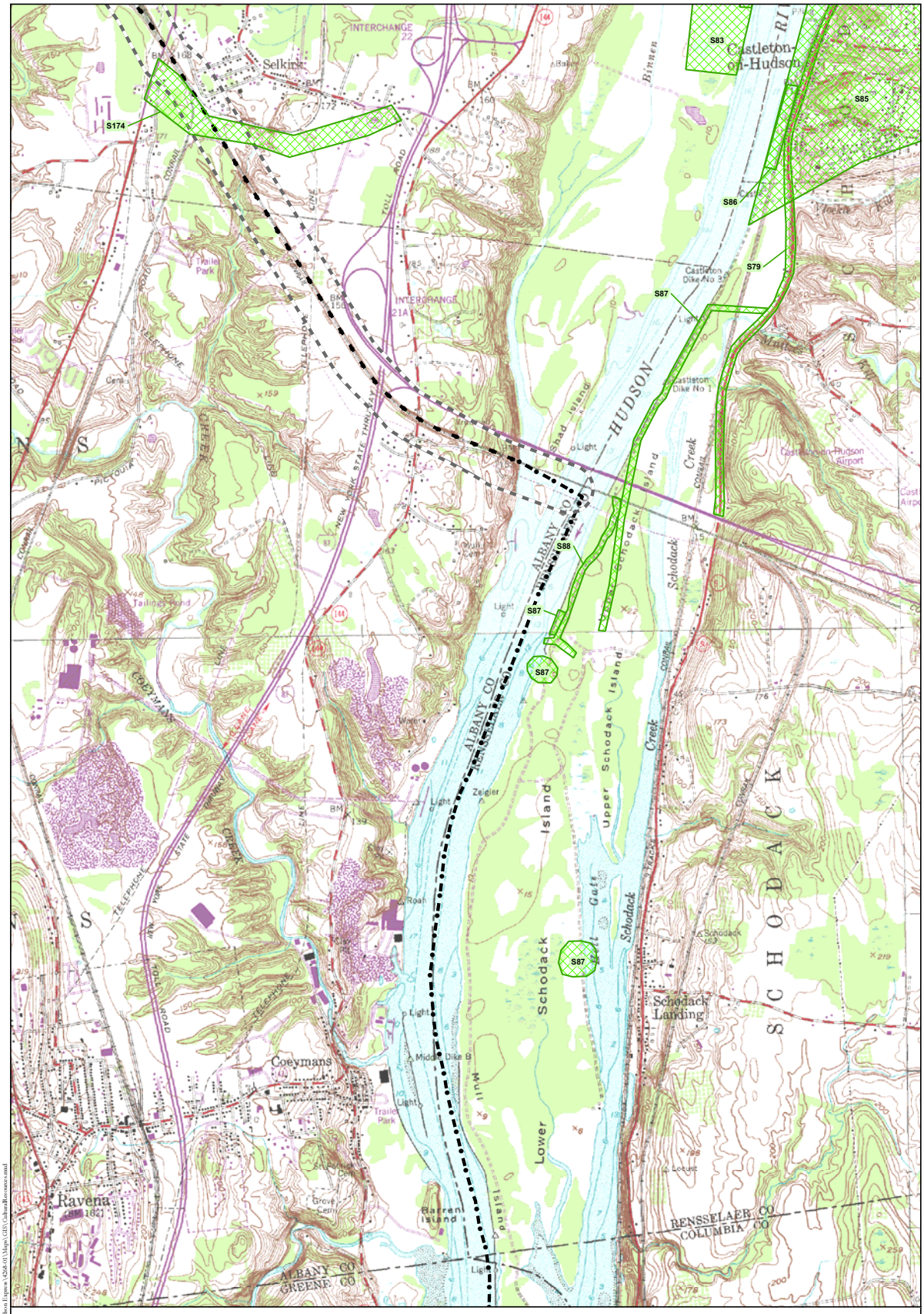
Note: Contour interval is 10 feet.

Previous Archeological Survey Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 43 b

DS February 16, 2010 R:\Active Projects\4268 Orange-Hudson Express\4268-01\Maps\GIS\CulturalResources.mxd



Legend

- Previous Archeological Survey
- S## Previous Archeological Survey ID (See Appendix 2)
- Proposed Alignment
- Overland Study Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

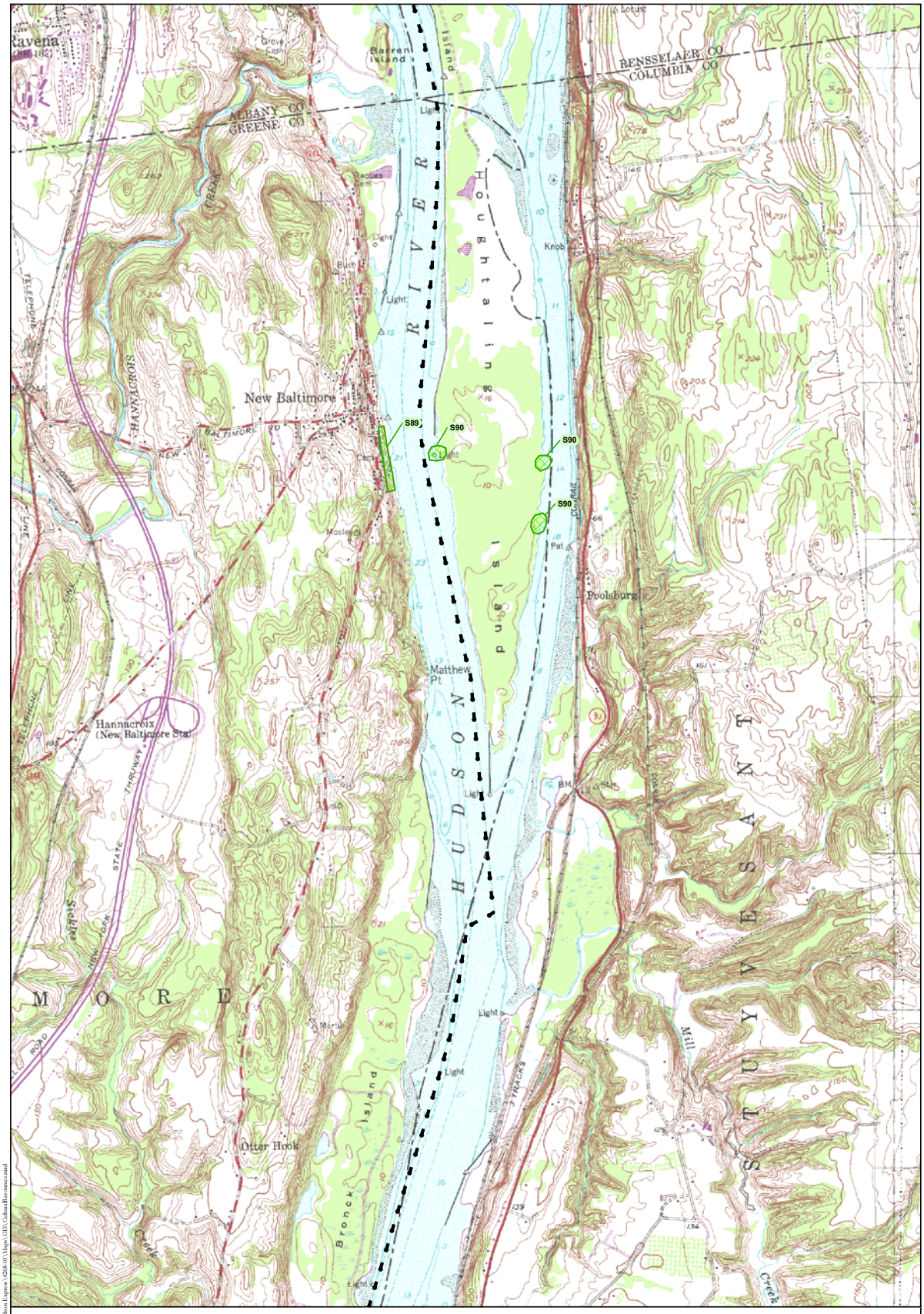
Note: Contour interval is 10 feet.

Previous Archeological Survey Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 44 b

DS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268-01\Maps\GIS\CulturalResources.mxd



Legend

- Previous Archeological Survey
- S## Previous Archeological Survey ID (See Appendix 2)
- Proposed Alignment
- Overland Study Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

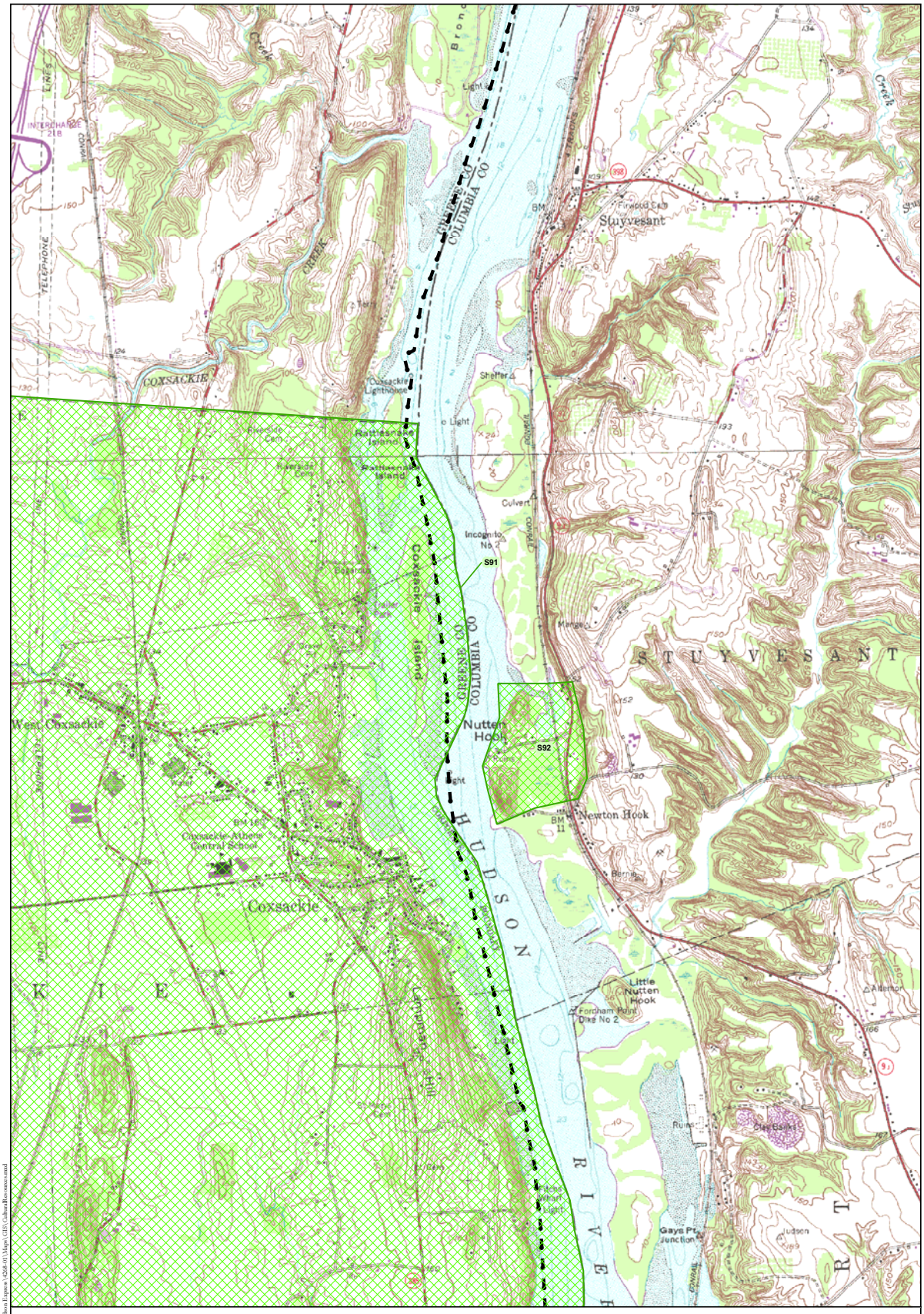
Note: Contour interval is 10 feet.

Previous Archeological Survey Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 45 b

JS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268-01\Maps\GIS\CulturalResources.mxd



Legend

- Previous Archeological Survey
- S## Previous Archeological Survey ID (See Appendix 2)
- Proposed Alignment
- Overland Study Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

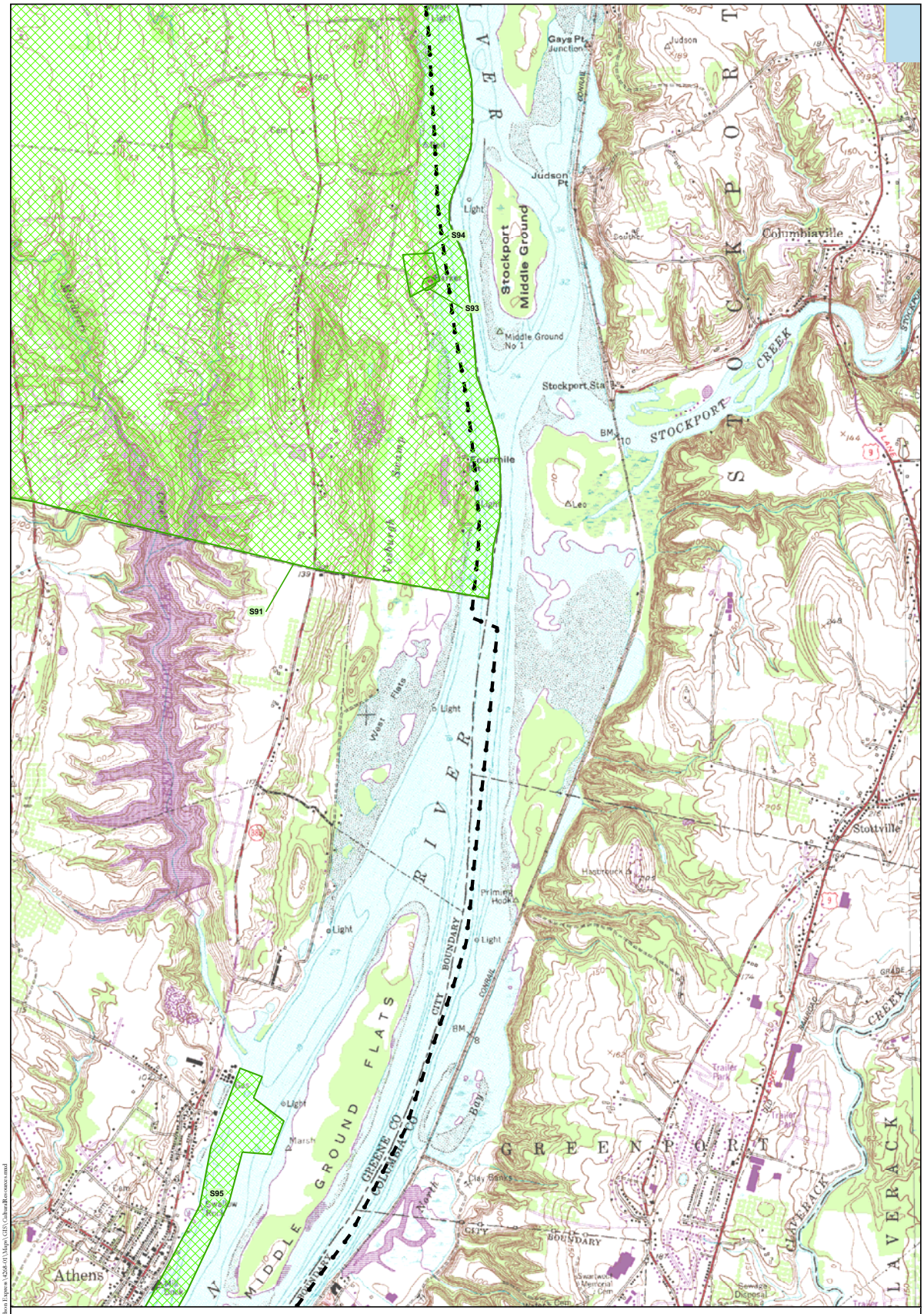
Note: Contour interval is 10 feet.

Previous Archeological Survey Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 46 b

DS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268-01\Maps\GIS\CulturalResources.mxd



Legend

- Previous Archeological Survey
- S## Previous Archeological Survey ID (See Appendix 2)
- Proposed Alignment
- Overland Study Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

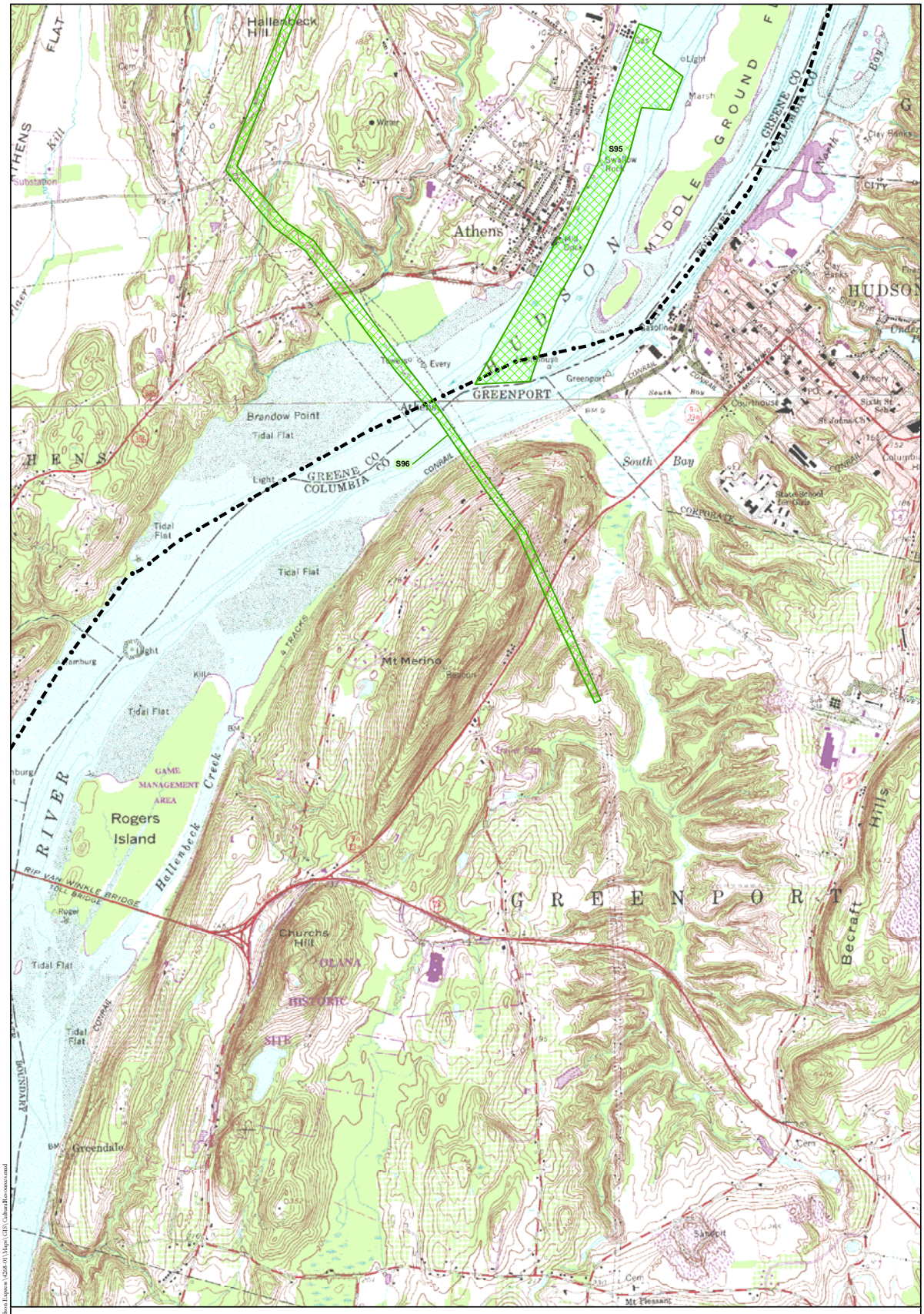
Note: Contour interval is 10 feet.

Previous Archeological Survey Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 47 b

DS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268-01\Maps\GIS\CulturalResources.mxd



Legend

- Previous Archeological Survey
- S## Previous Archeological Survey ID (See Appendix 2)
- Proposed Alignment
- Overland Study Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

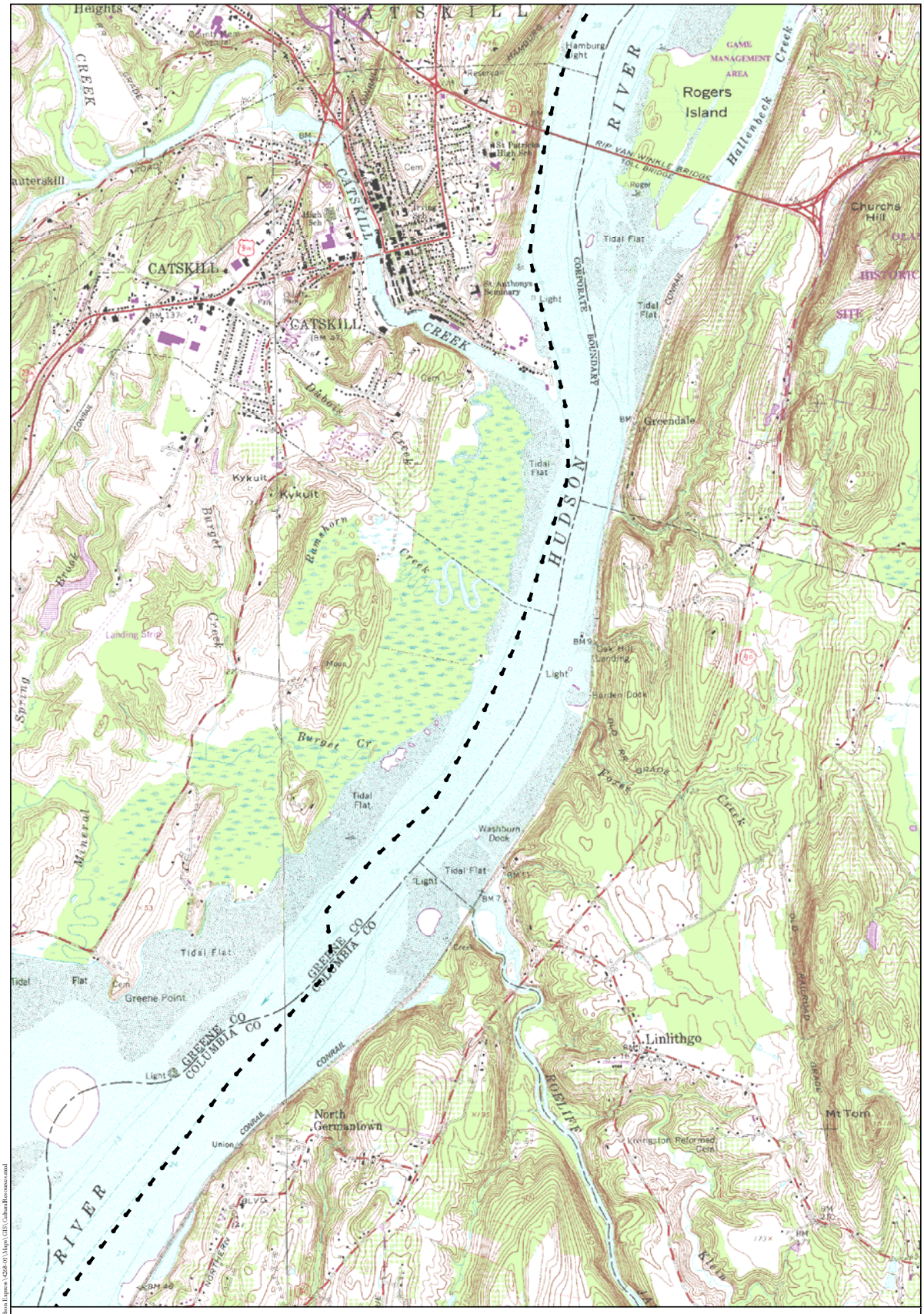
Note: Contour interval is 10 feet.

Previous Archeological Survey Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 48 b

DS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268-01\Maps\GIS\CulturalResources.mxd



Legend

- Previous Archeological Survey
- S## Previous Archeological Survey ID (See Appendix 2)
- Proposed Alignment
- Overland Study Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

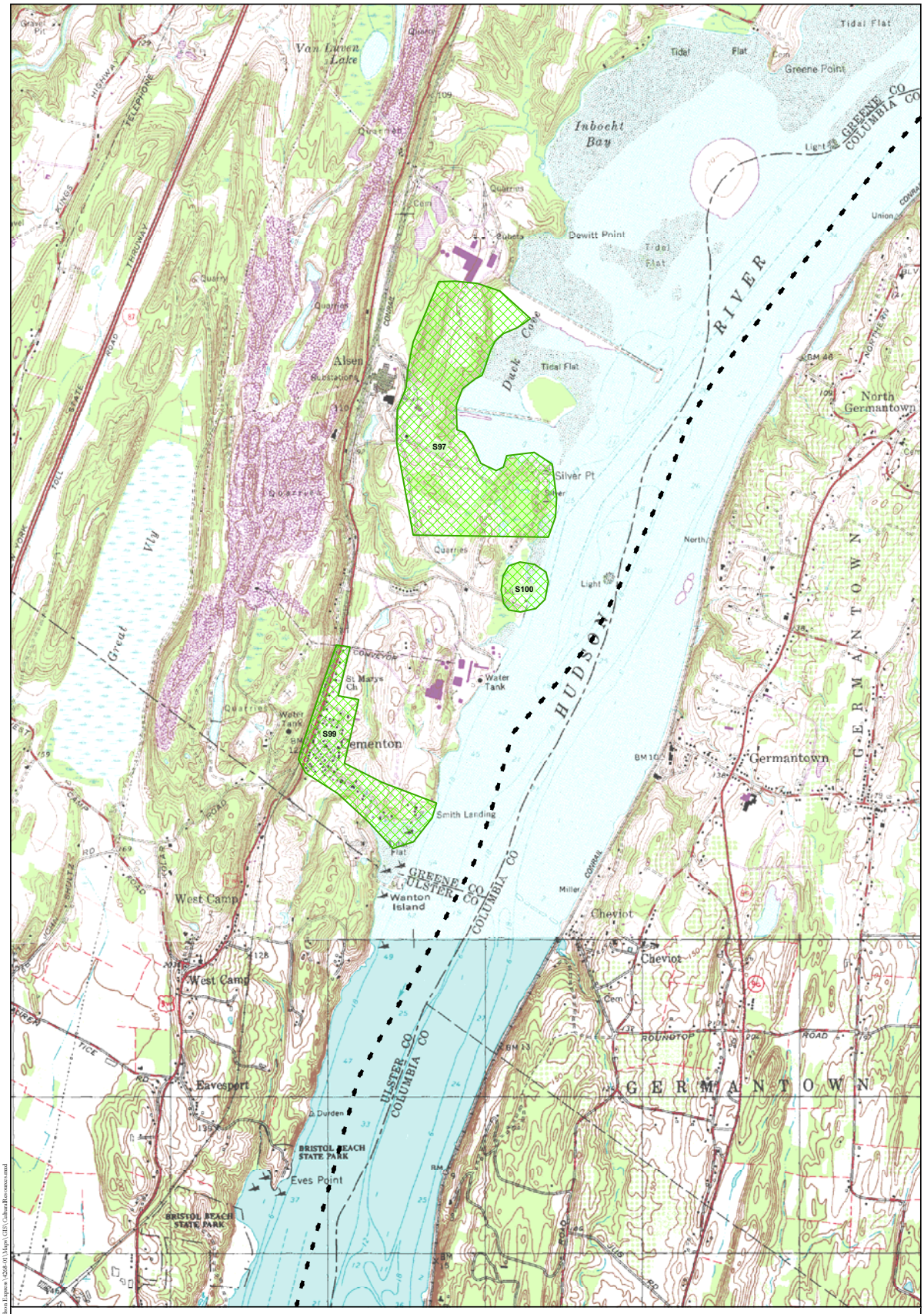
Note: Contour interval is 10 feet.

Previous Archeological Survey Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 49 b

ES February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268-01\Maps\GIS\CulturalResources.mxd



Legend

- Previous Archeological Survey
- S## Previous Archeological Survey ID (See Appendix 2)
- Proposed Alignment
- Overland Study Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

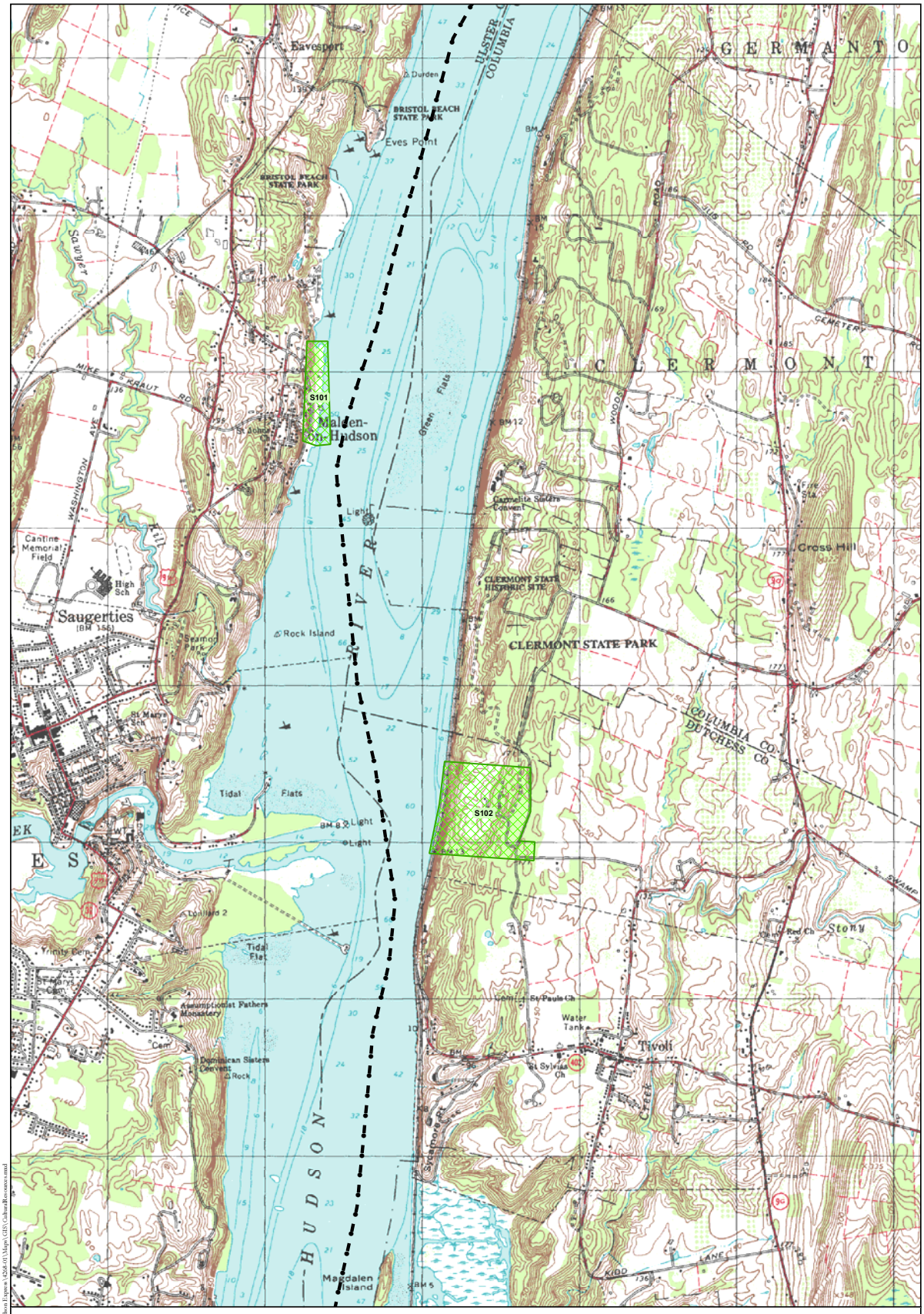
Note: Contour interval is 10 feet.

Previous Archeological Survey Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 50 b

DS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268.01\Maps\GIS\CulturalResources.mxd



Legend

- Previous Archeological Survey
- S## Previous Archeological Survey ID (See Appendix 2)
- Proposed Alignment
- Overland Study Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

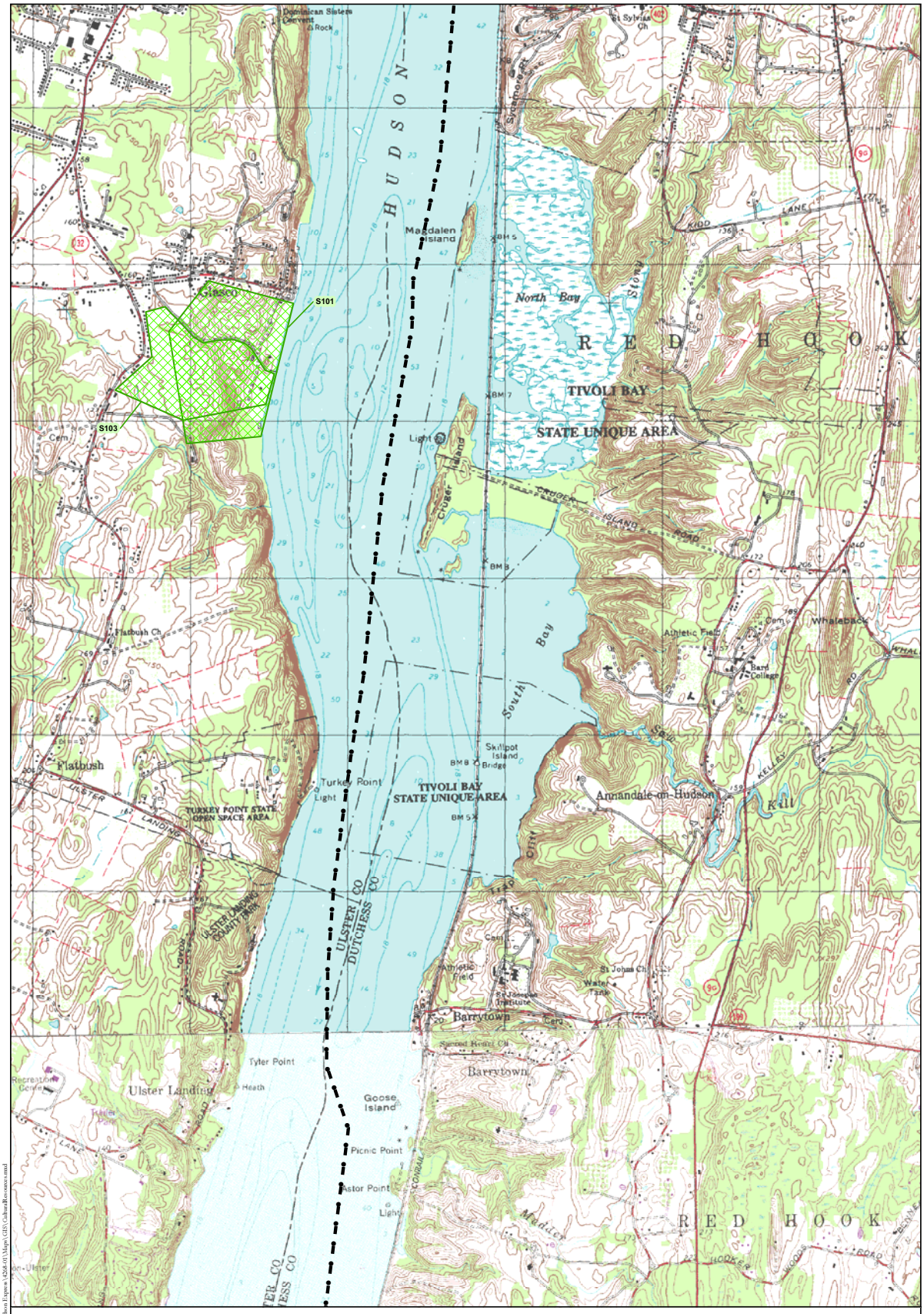
Note: Contour interval is 10 feet.

Previous Archeological Survey Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 51b

DS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268.01\Maps\GIS\CulturalResources.mxd



Legend

- Previous Archeological Survey
- S## Previous Archeological Survey ID (See Appendix 2)
- Proposed Alignment
- Overland Study Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

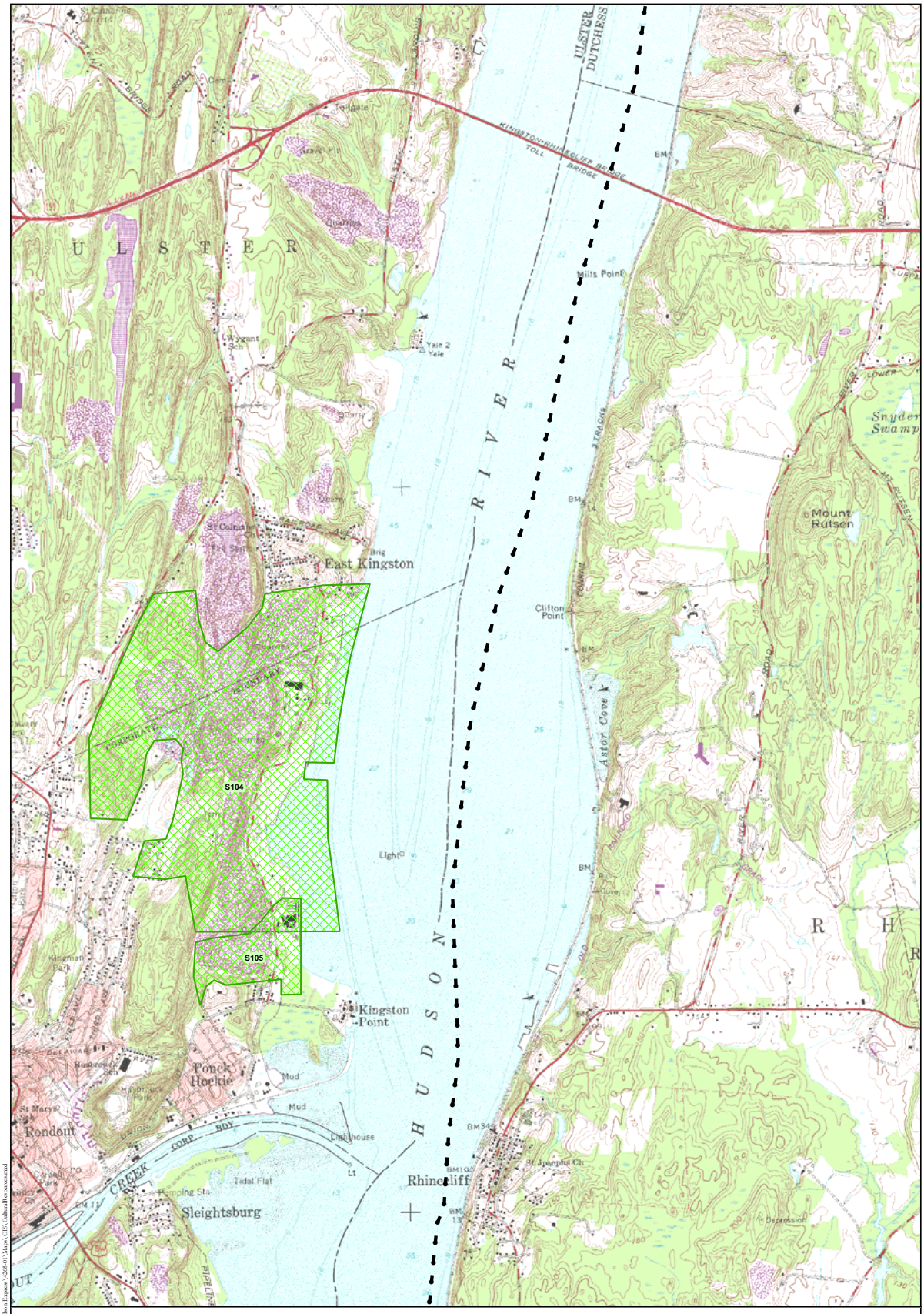
Note: Contour interval is 10 feet.

Previous Archeological Survey Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 52 b

IS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268-01\Maps\GIS\CulturalResources.mxd



Legend

- Previous Archeological Survey
- S## Previous Archeological Survey ID (See Appendix 2)
- Proposed Alignment
- Overland Study Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

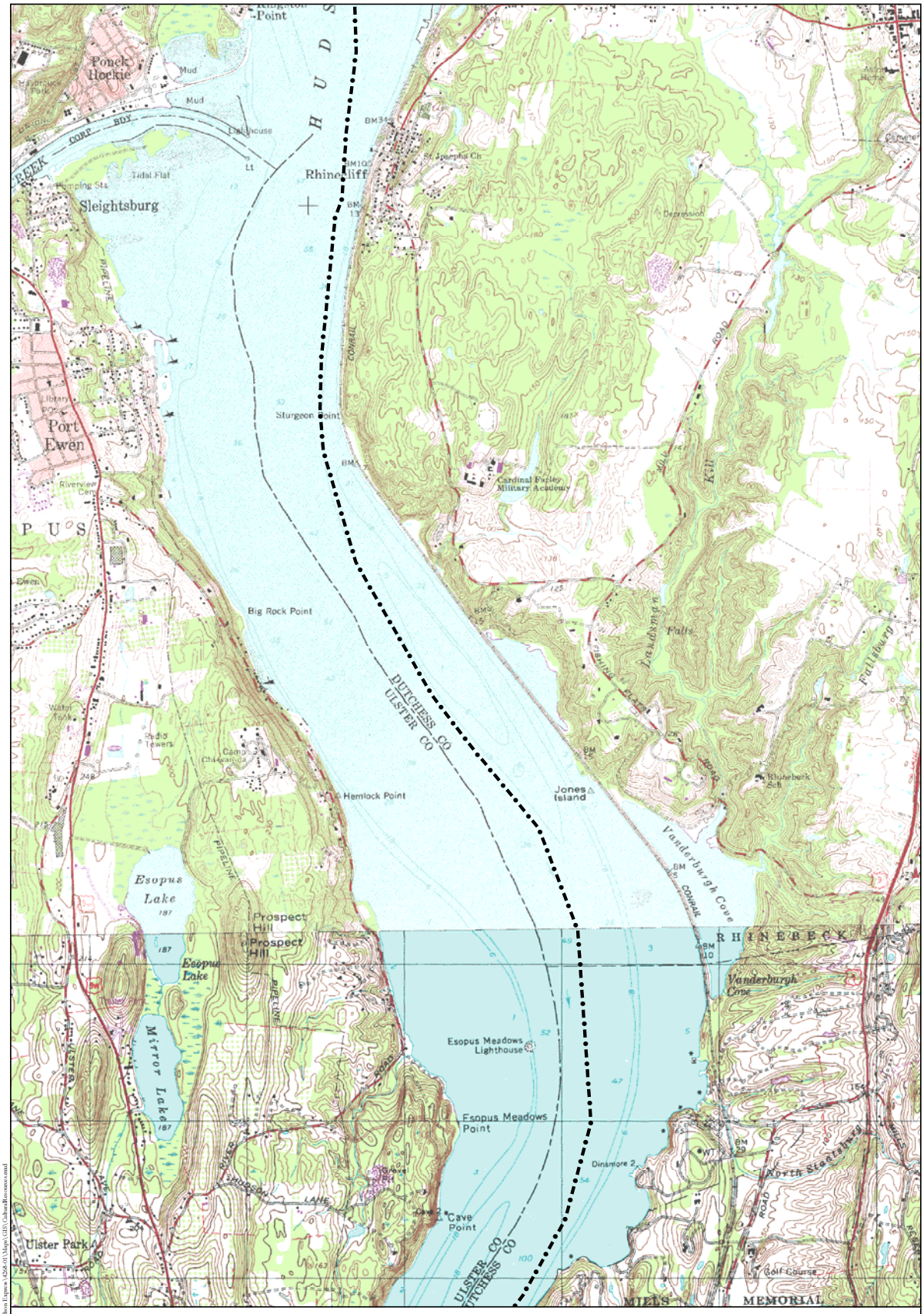
Note: Contour interval is 10 feet.

Previous Archeological Survey Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 53 b

DS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268-01\Maps\GIS\CulturalResources.mxd



Legend

- Previous Archeological Survey
- S## Previous Archeological Survey ID (See Appendix 2)
- Proposed Alignment
- Overland Study Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

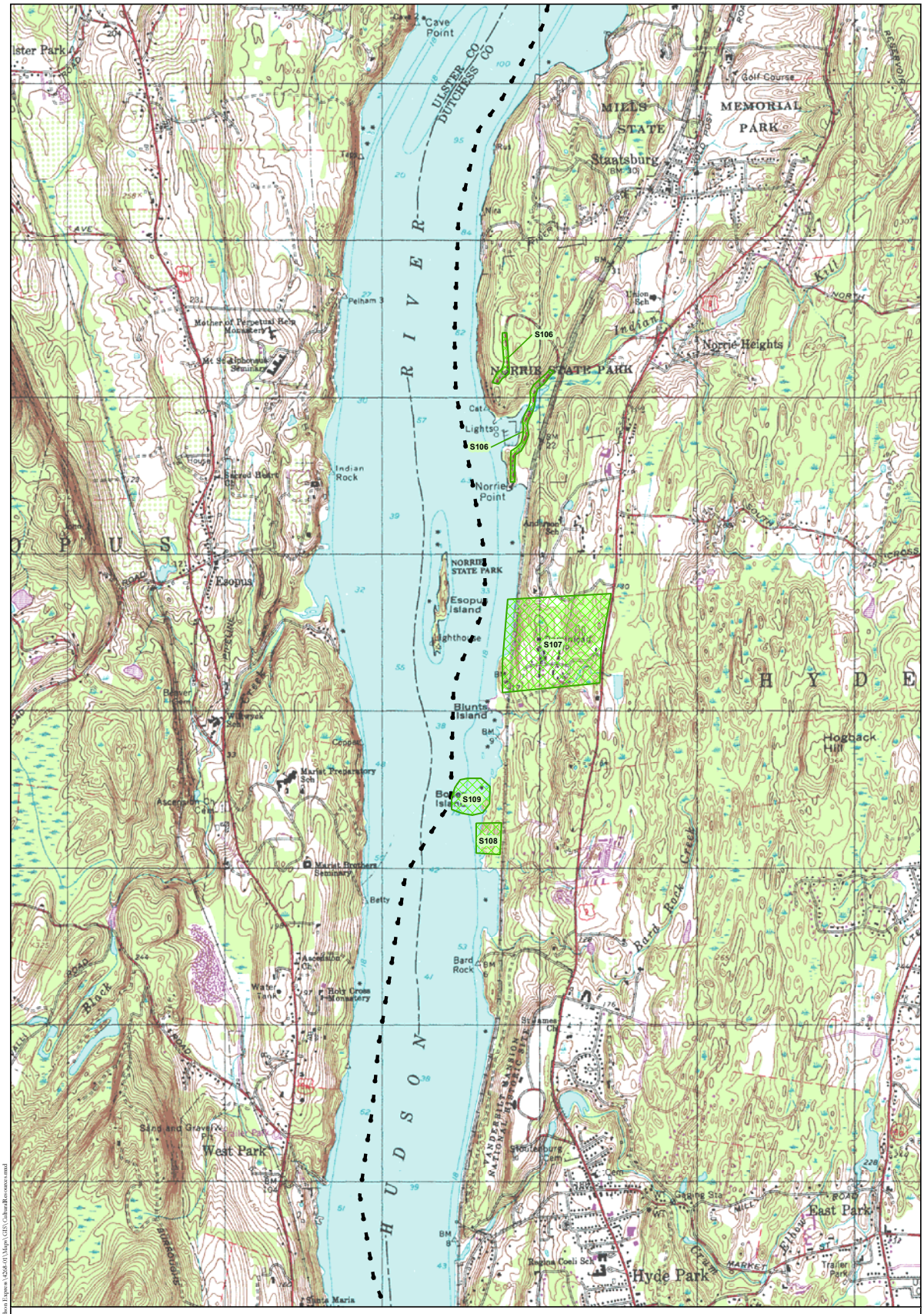
Note: Contour interval is 10 feet.

Previous Archeological Survey Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 54 b

DS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268-01\Maps\GIS\CulturalResources.mxd



Legend

- Previous Archeological Survey
- S## Previous Archeological Survey ID (See Appendix 2)
- Proposed Alignment
- Overland Study Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

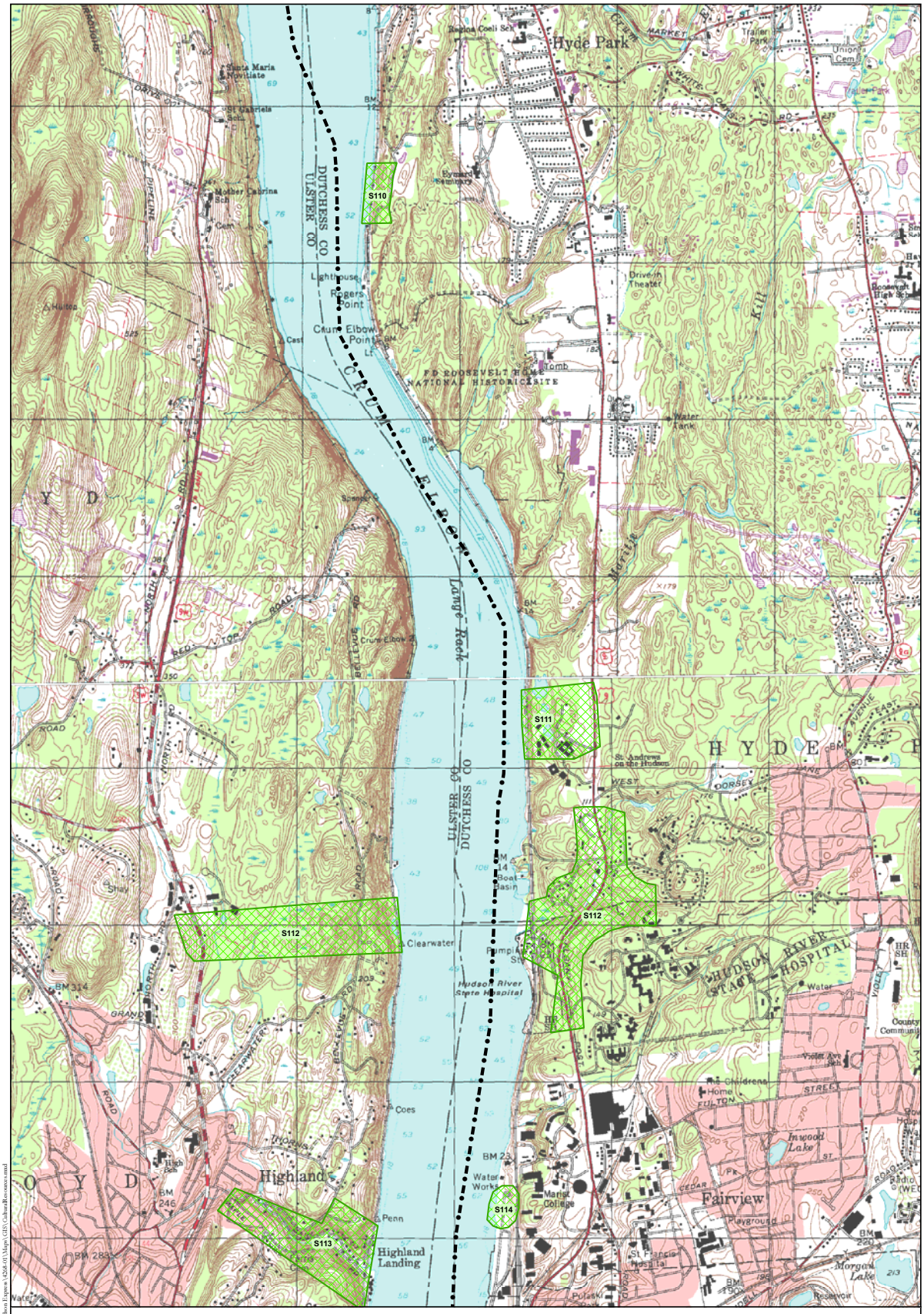
Note: Contour interval is 10 feet.

Previous Archeological Survey Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 55 b

DS February 16, 2010 R:\Active Projects\4268 Orange-Hudson Express\4268-01\Maps\GIS\CulturalResources.mxd



Legend

- Previous Archeological Survey
- S## Previous Archeological Survey ID (See Appendix 2)
- Proposed Alignment
- Overland Study Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

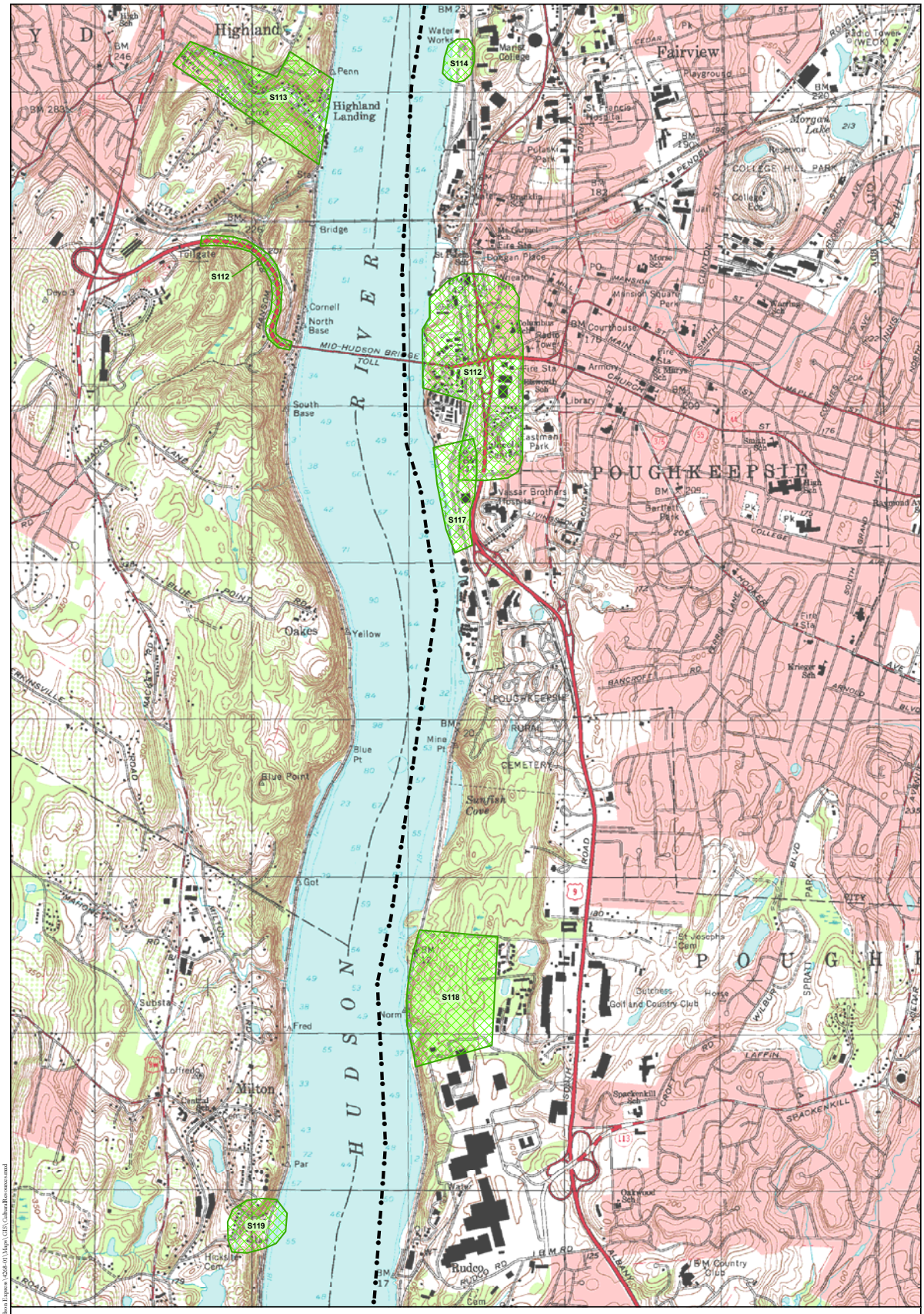
Note: Contour interval is 10 feet.

Previous Archeological Survey Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 56 b

JS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268-01\Maps\GIS\CulturalResources.mxd



Legend

- Previous Archeological Survey
- S## Previous Archeological Survey ID (See Appendix 2)
- Proposed Alignment
- Overland Study Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

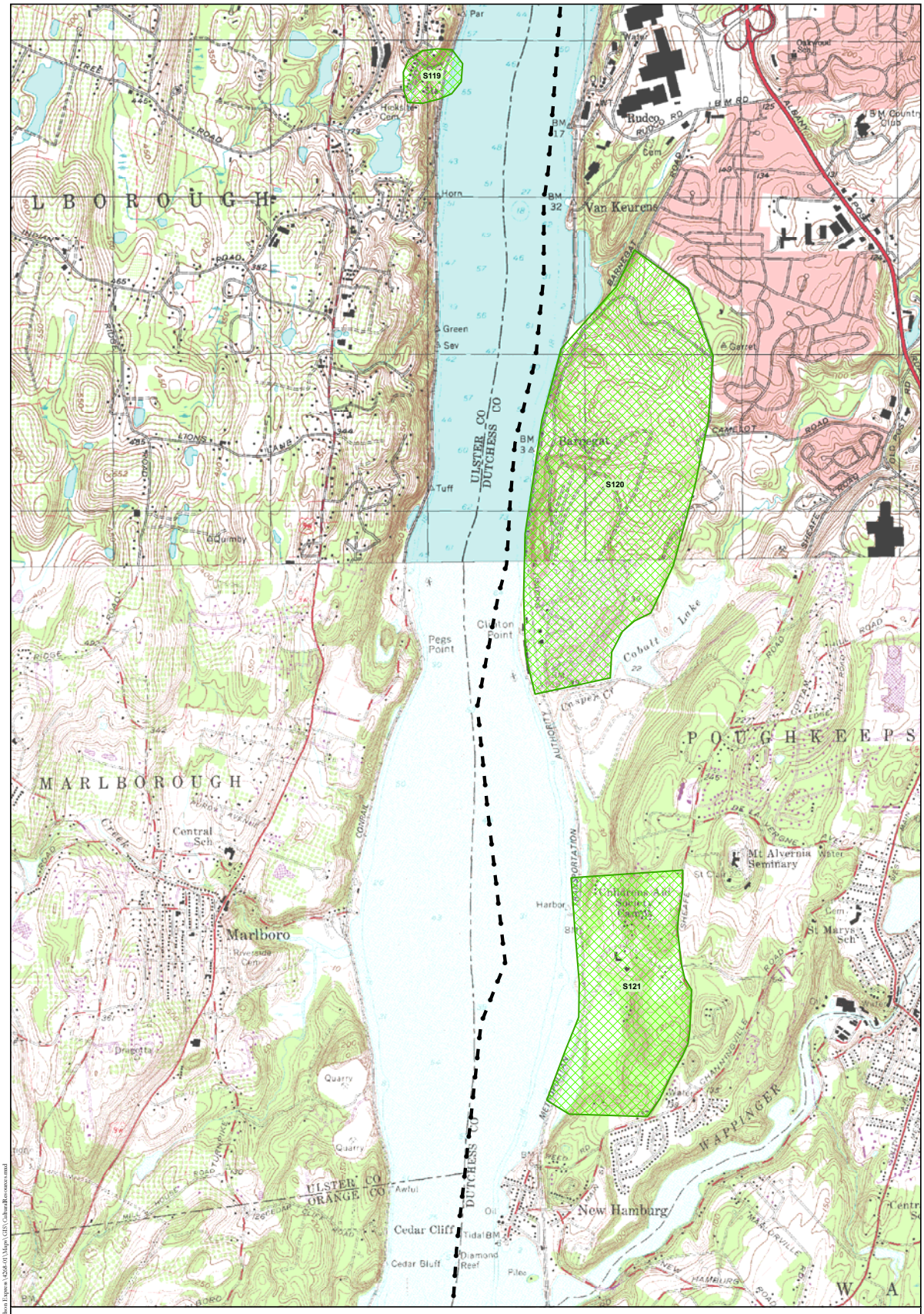
Note: Contour interval is 10 feet.

Previous Archeological Survey Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 57 b

JS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268.01\Maps\GIS\CulturalResources.mxd



Legend

- Previous Archeological Survey
- S## Previous Archeological Survey ID (See Appendix 2)
- Proposed Alignment
- Overland Study Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

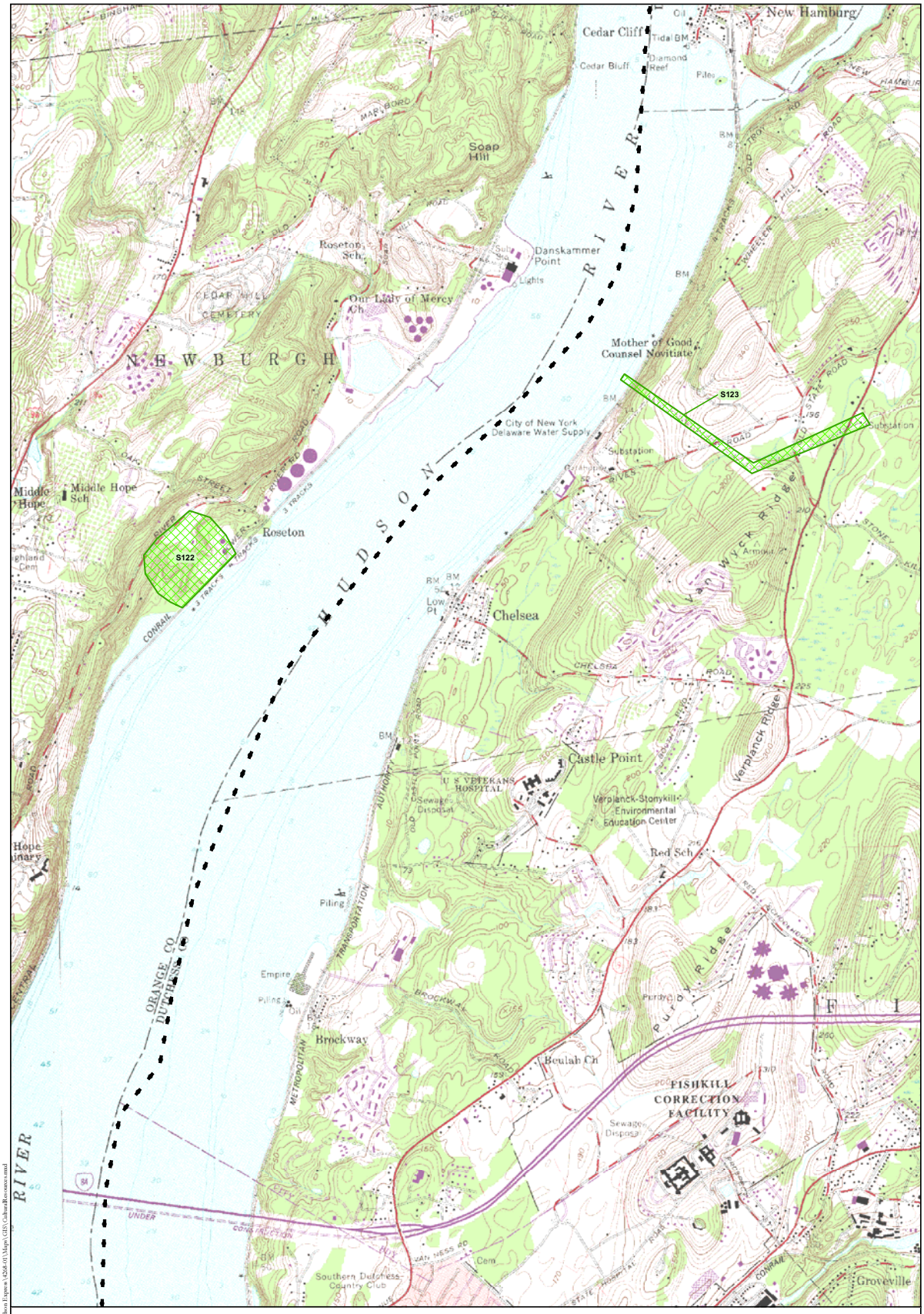
Note: Contour interval is 10 feet.

Previous Archeological Survey Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 58 b

DS February 16, 2010 R:\Active Projects\4268 Orange-Hudson Express\4268-01\Maps\GIS\CulturalResources.mxd



Legend

- Previous Archeological Survey
- S## Previous Archeological Survey ID (See Appendix 2)
- Proposed Alignment
- Overland Study Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

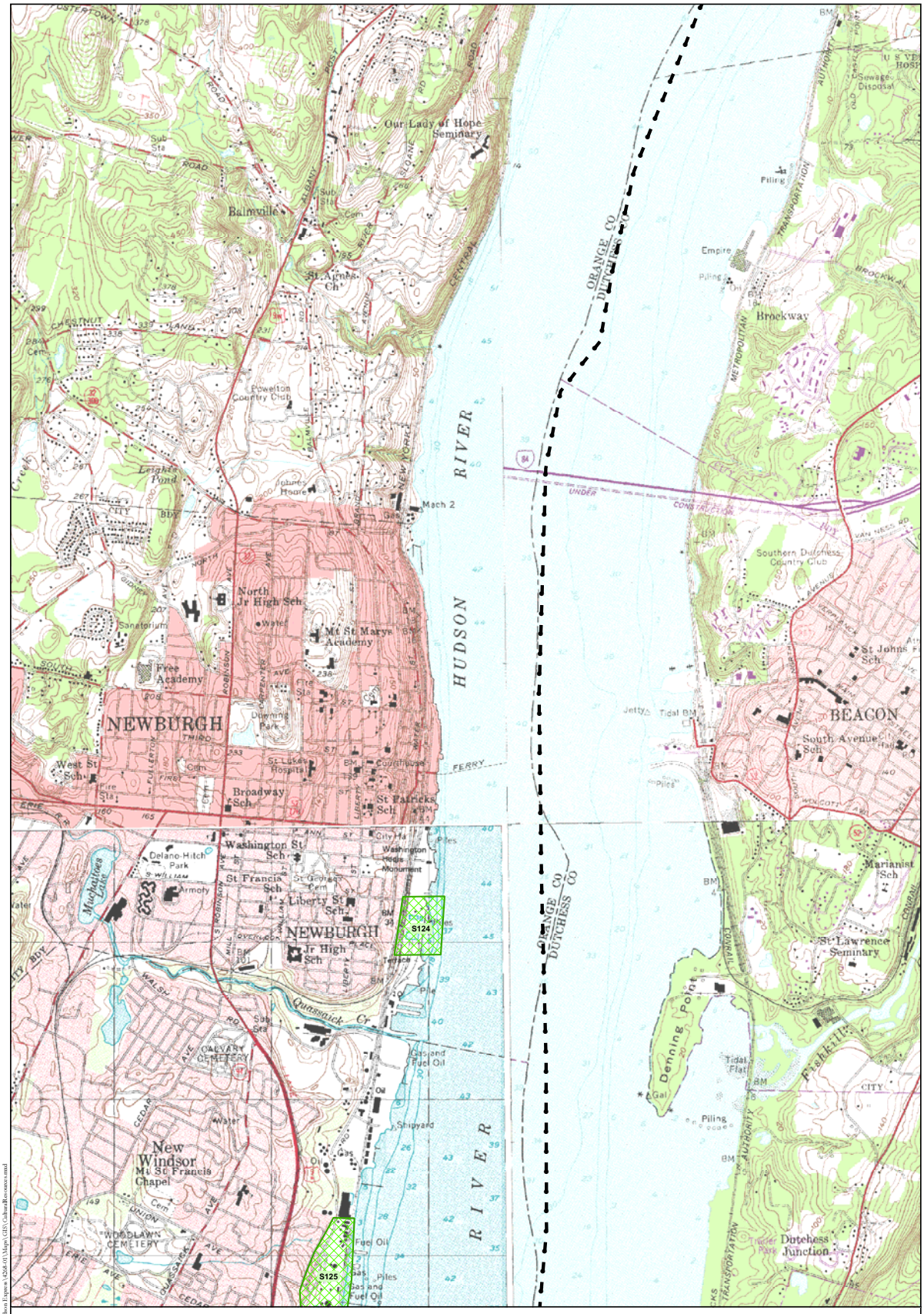
Note: Contour interval is 10 feet.

Previous Archeological Survey Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 59 b

DS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268-01\Maps\GIS\CulturalResources.mxd



Legend

- Previous Archeological Survey
- S## Previous Archeological Survey ID (See Appendix 2)
- Proposed Alignment
- Overland Study Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

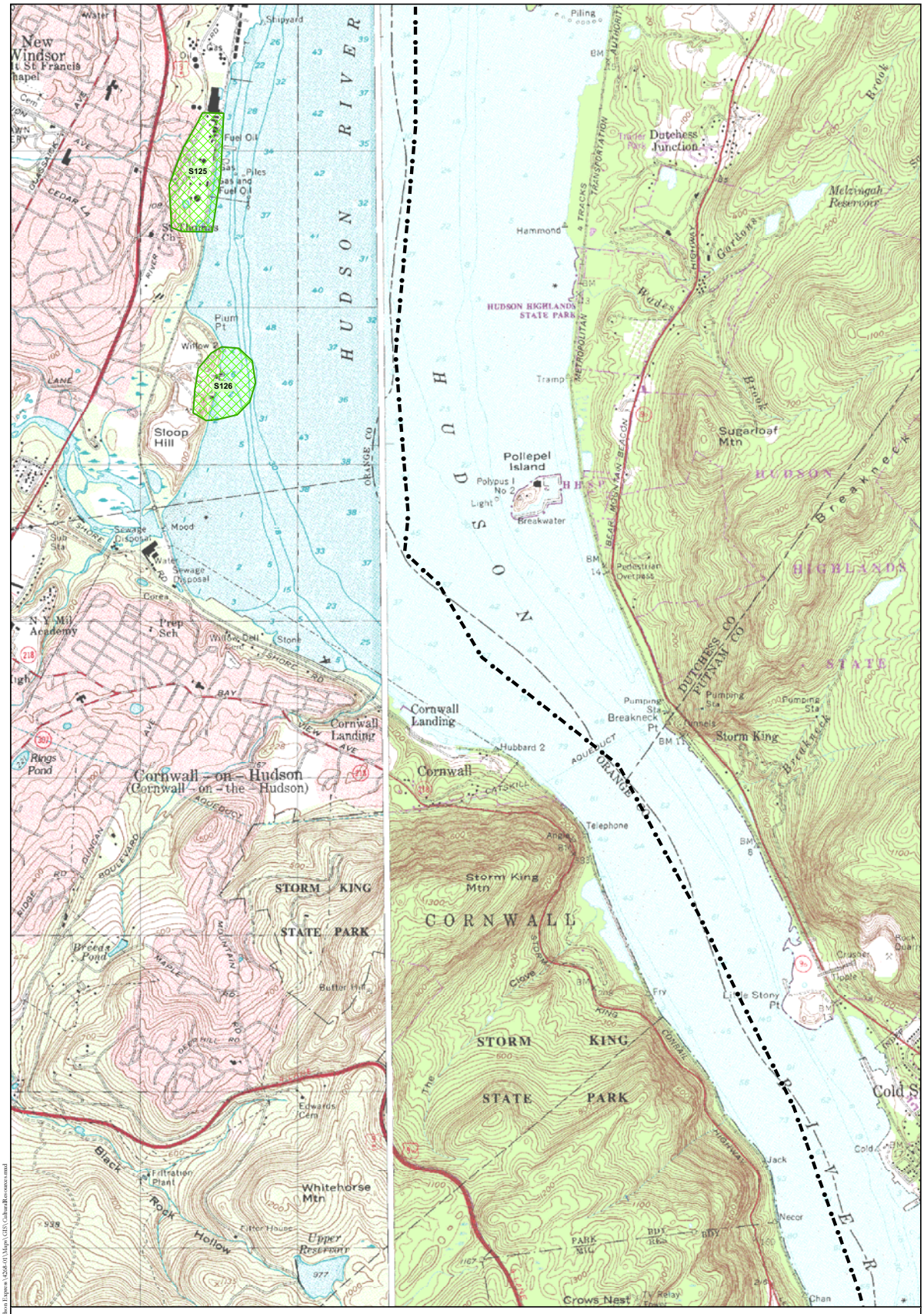
Note: Contour interval is 10 feet.

Previous Archeological Survey Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 60 b

DS February 16, 2010 R:\Active Projects\4268 Orange-Hudson Express\4268-01\Maps\GIS\CulturalResources.mxd



Legend

- Previous Archeological Survey
- S## Previous Archeological Survey ID (See Appendix 2)
- Proposed Alignment
- Overland Study Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

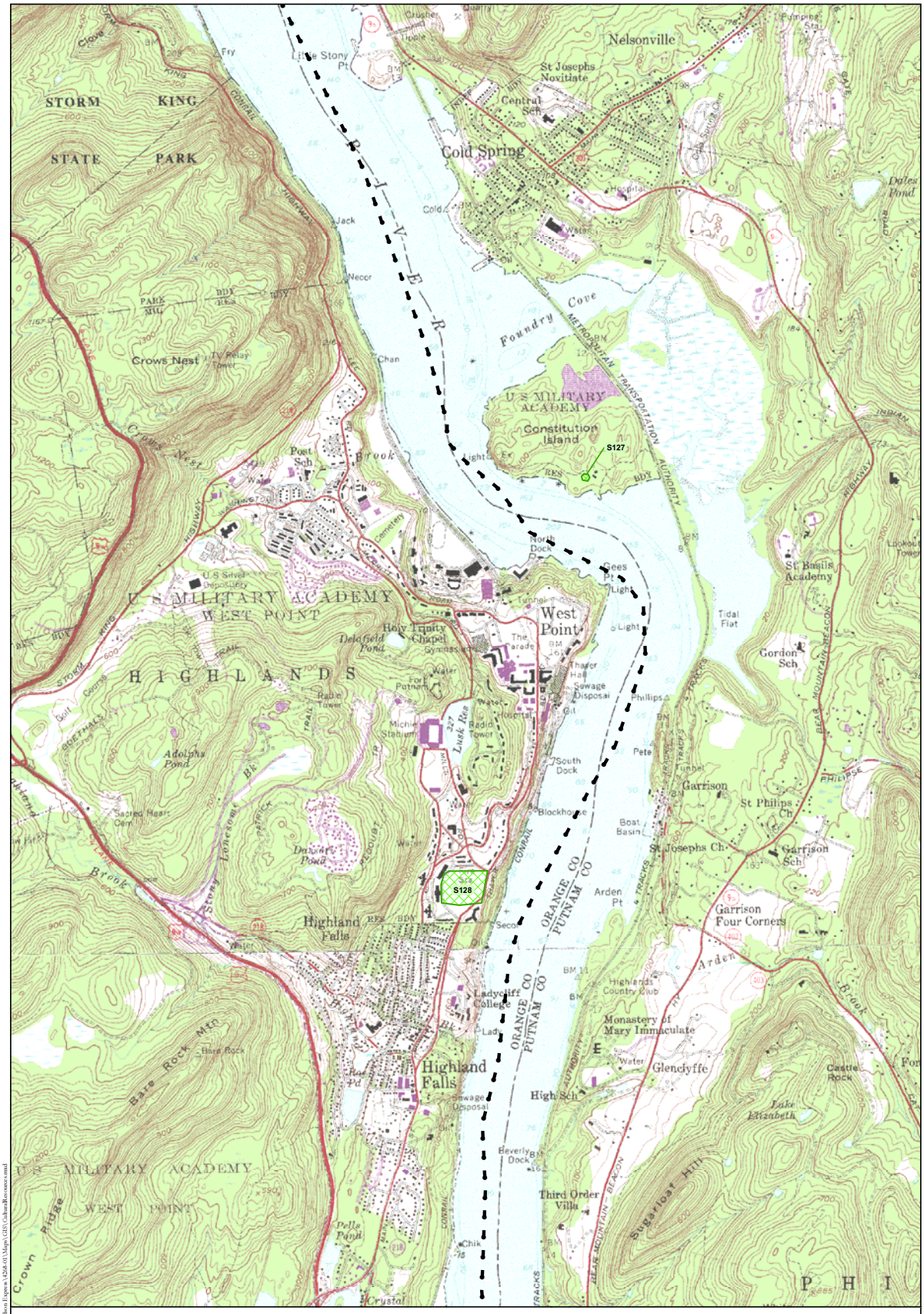
Note: Contour interval is 10 feet.

Previous Archeological Survey Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 61b

DS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268-01\Maps\GIS\CulturalResources.mxd



Legend

- Previous Archeological Survey
- S## Previous Archeological Survey ID (See Appendix 2)
- Proposed Alignment
- Overland Study Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

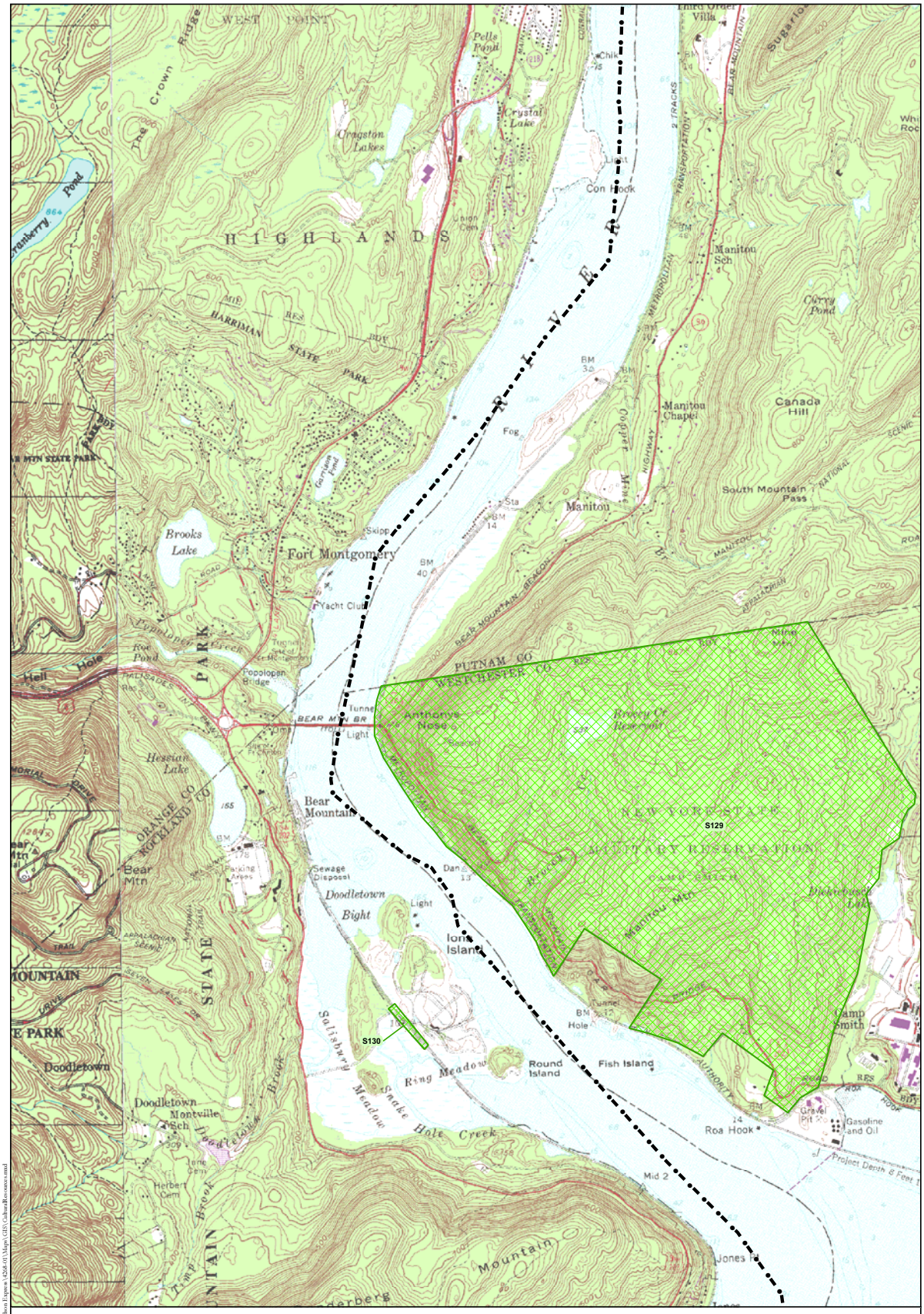
Note: Contour interval is 10 feet.

Previous Archeological Survey Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 62 b

DS February 16, 2010 R:\Active Projects\4268 Orange-Hudson Express\4268-01\Maps\GIS\CulturalResources.mxd



Legend

- Previous Archeological Survey
- S## Previous Archeological Survey ID (See Appendix 2)
- Proposed Alignment
- Overland Study Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

Note: Contour interval is 10 feet.

Previous Archeological Survey Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 63 b

JS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268-01\Maps\GIS\CulturalResources.mxd

Legend

- Previous Archeological Survey
- S## Previous Archeological Survey ID (See Appendix 2)
- Proposed Alignment
- Overland Study Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

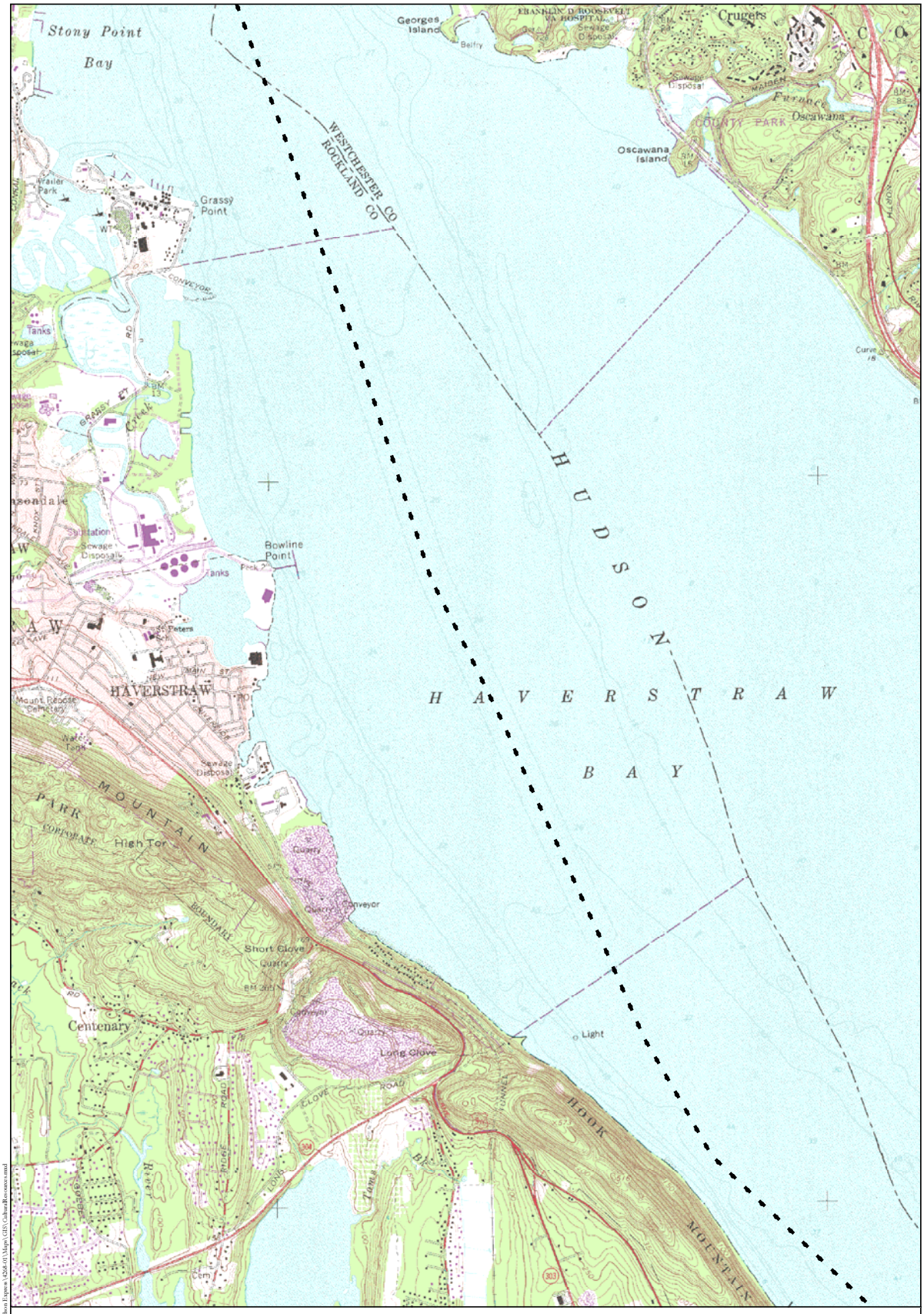
Note: Contour interval is 10 feet.

Previous Archeological Survey Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 64 b

DS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268-01\Maps\GIS\CulturalResources.mxd



Legend

- Previous Archeological Survey
- S## Previous Archeological Survey ID (See Appendix 2)
- Proposed Alignment
- Overland Study Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

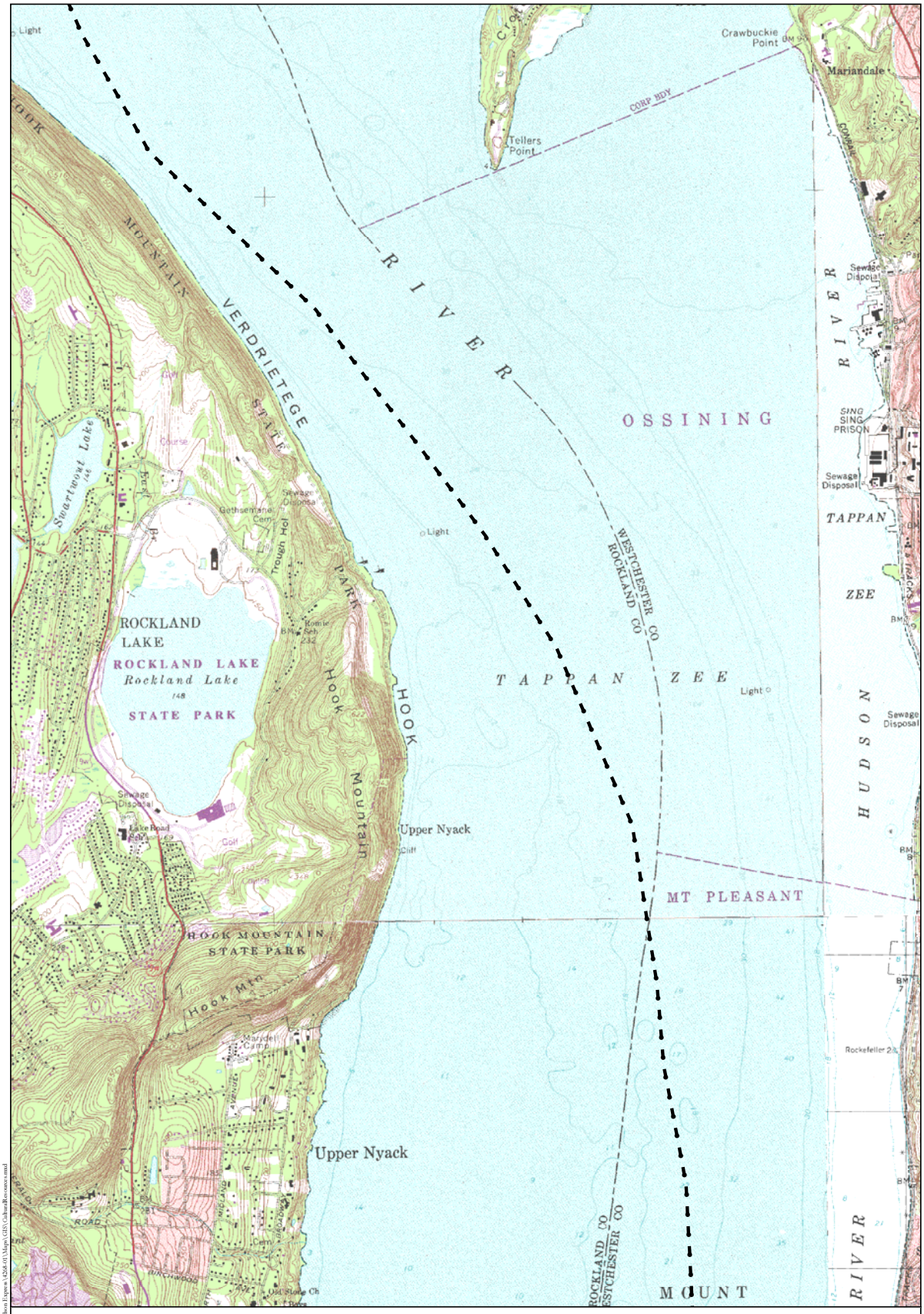
Note: Contour interval is 10 feet.

Previous Archeological Survey Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 65 b

DS February 16, 2010 R:\Active Projects\4268 Orange-Hudson Express\4268-01\Maps\GIS\CulturalResources.mxd



Legend

- Previous Archeological Survey
- S## Previous Archeological Survey ID (See Appendix 2)
- Proposed Alignment
- Overland Study Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

Note: Contour interval is 10 feet.

Previous Archeological Survey Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 66 b

DS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268-01\Maps\GIS\CulturalResources.mxd

Legend

- Previous Archeological Survey
- S## Previous Archeological Survey ID (See Appendix 2)
- Proposed Alignment
- Overland Study Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

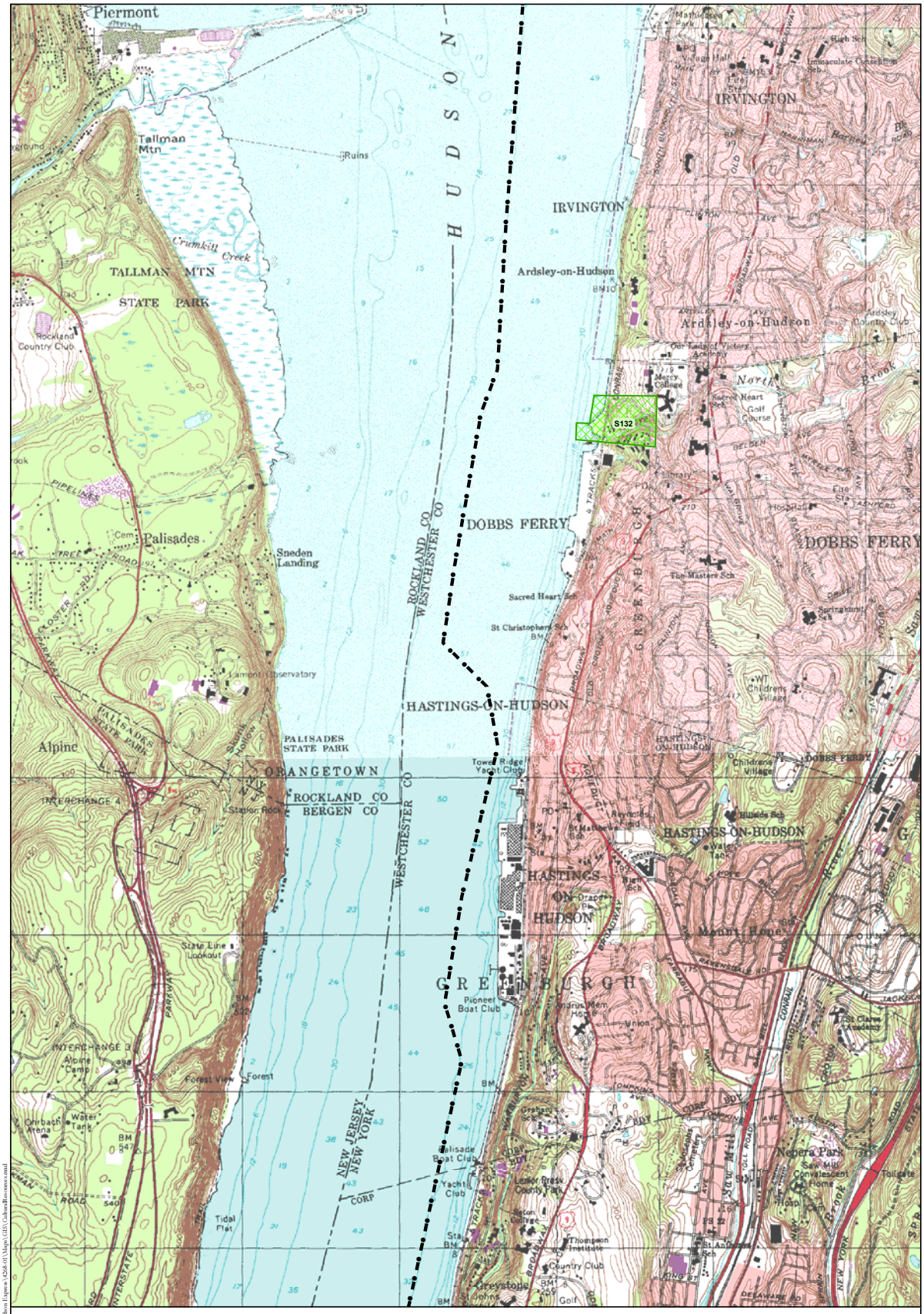
Note: Contour interval is 10 feet.

Previous Archeological Survey Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 67 b

DS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268-01\Maps\GIS\CulturalResources.mxd



Legend

- Previous Archeological Survey
- S## Previous Archeological Survey ID (See Appendix 2)
- Proposed Alignment
- Overland Study Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

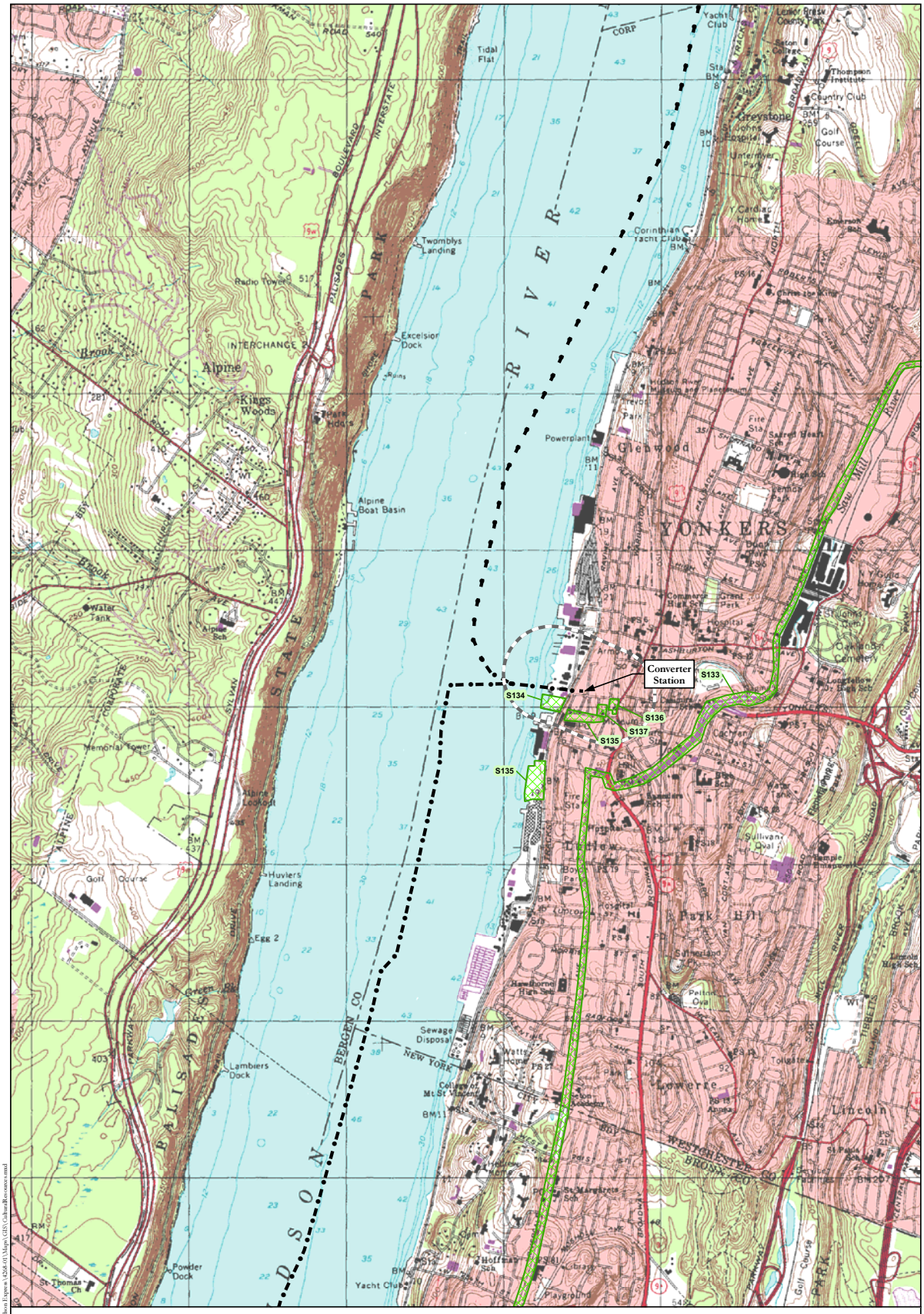
Note: Contour interval is 10 feet.

Previous Archeological Survey Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 68 b

DS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268-01\Maps\GIS\CulturalResources.mxd



Legend

- Previous Archeological Survey
- S## Previous Archeological Survey ID (See Appendix 2)
- Proposed Alignment
- Overland Study Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

Note: Contour interval is 10 feet.

Previous Archeological Survey Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 69 b

JS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268-01\Maps\GIS\CulturalResources.mxd

Legend

- Previous Archeological Survey
- S## Previous Archeological Survey ID (See Appendix 2)
- Proposed Alignment
- Overland Study Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

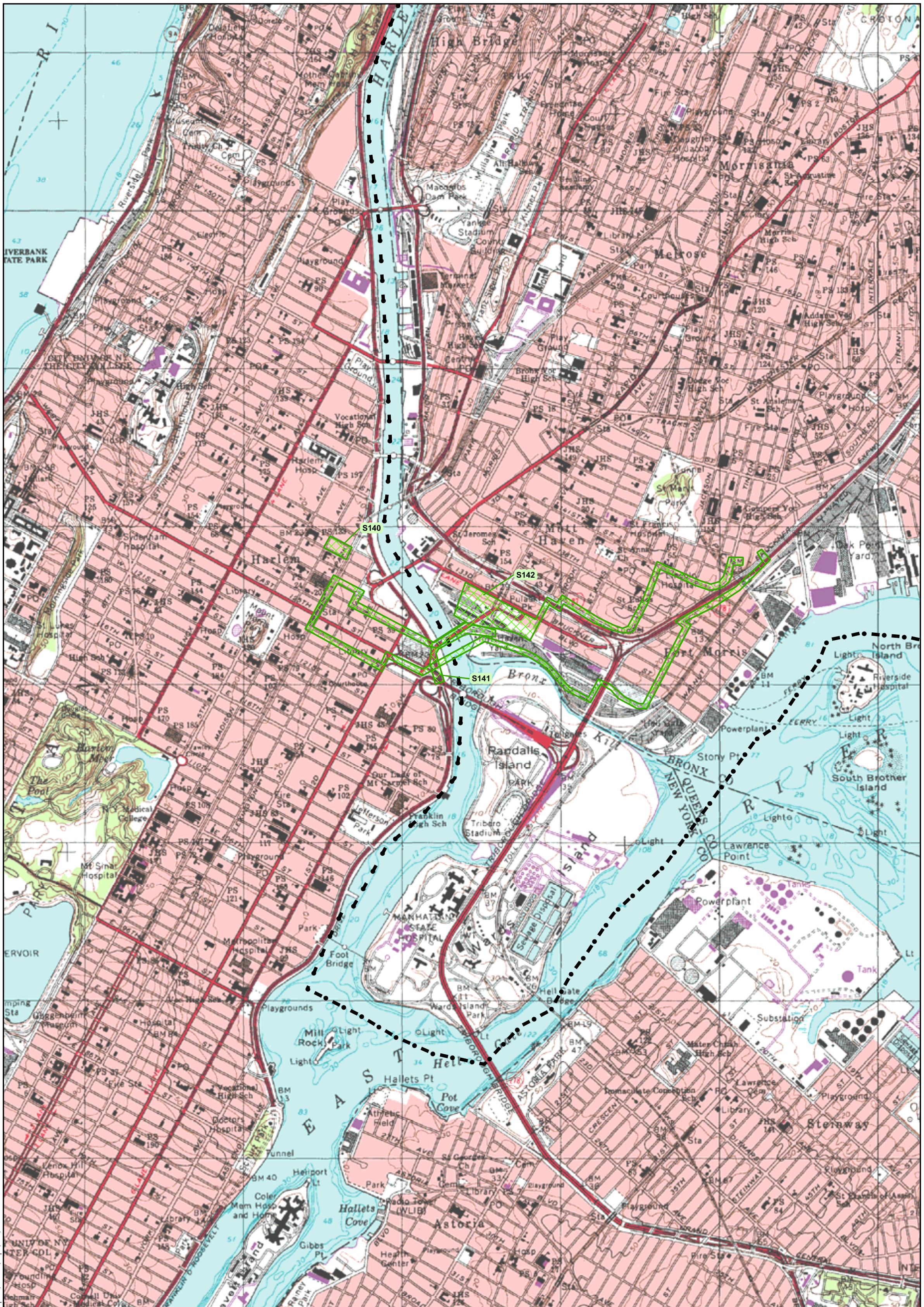
Note: Contour interval is 10 feet.

Previous Archeological Survey Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 70 b

ES February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268-01\Maps\GIS\CulturalResources.mxd



Legend

- Previous Archeological Survey
- S## Previous Archeological Survey ID (See Appendix 2)
- Proposed Alignment
- Overland Study Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

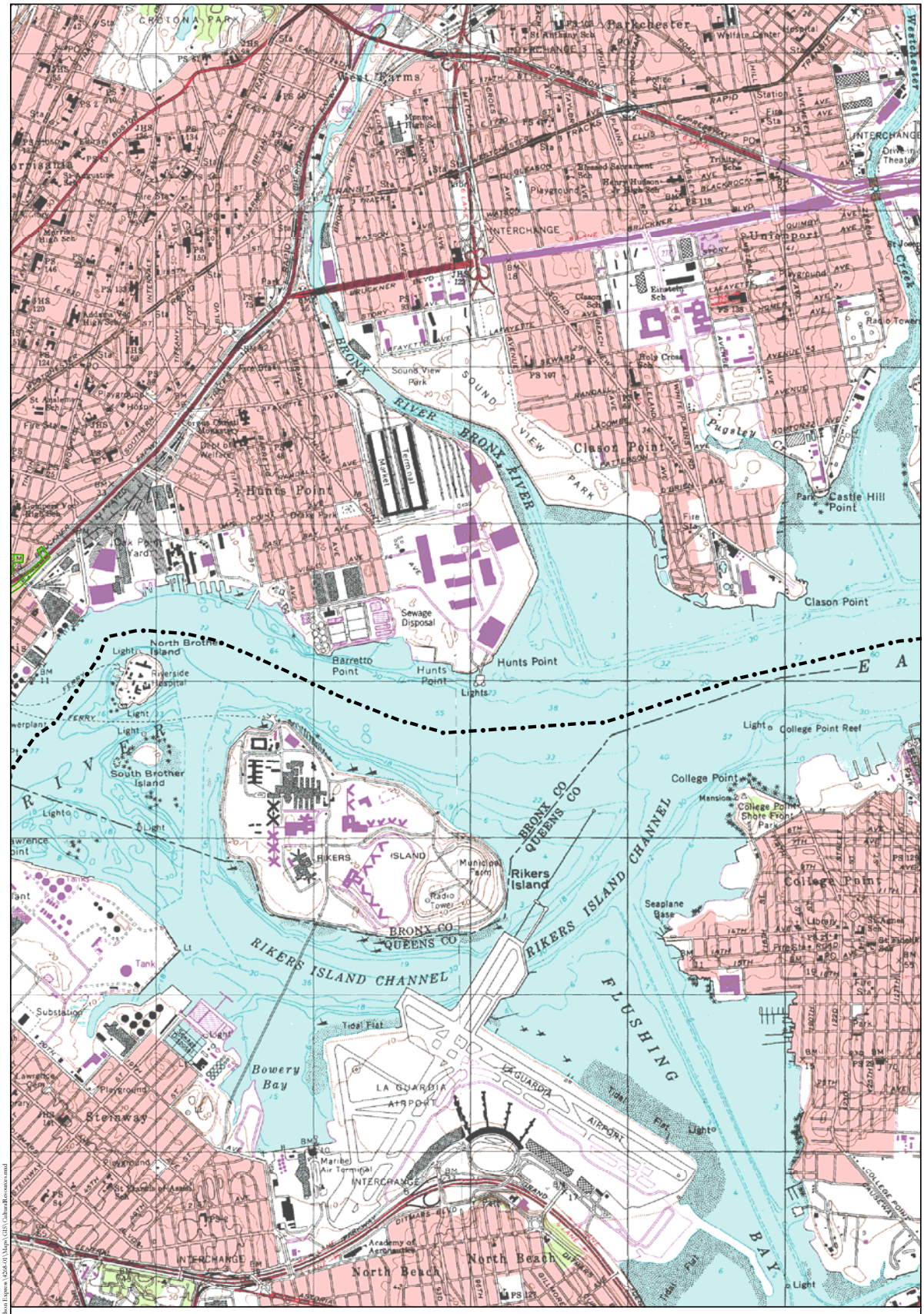
Note: Contour interval is 10 feet.

Previous Archeological Survey Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 71 b

ES February 16, 2010 R:\Active Projects\4268 Oswego-Hudson Express\4268.01\Maps\GIS\CulturalResources.mxd



Legend

- Previous Archeological Survey
- S## Previous Archeological Survey ID (See Appendix 2)
- Proposed Alignment
- Overland Study Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

Note: Contour interval is 10 feet.

Previous Archeological Survey Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 72 b

DS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268-01\Maps\GIS\CulturalResources.mxd

Legend

- Previous Archeological Survey
- S## Previous Archeological Survey ID (See Appendix 2)
- Proposed Alignment
- Overland Study Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

Note: Contour interval is 10 feet.

Previous Archeological Survey Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 73 b

DS February 16, 2010 R:\Active Projects\4268 Orange-Hudson Express\4268-01\Maps\GIS\CulturalResources.mxd

Legend

Previous Archeological Survey

S## Previous Archeological Survey ID (See Appendix 2)

Proposed Alignment

Overland Study Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

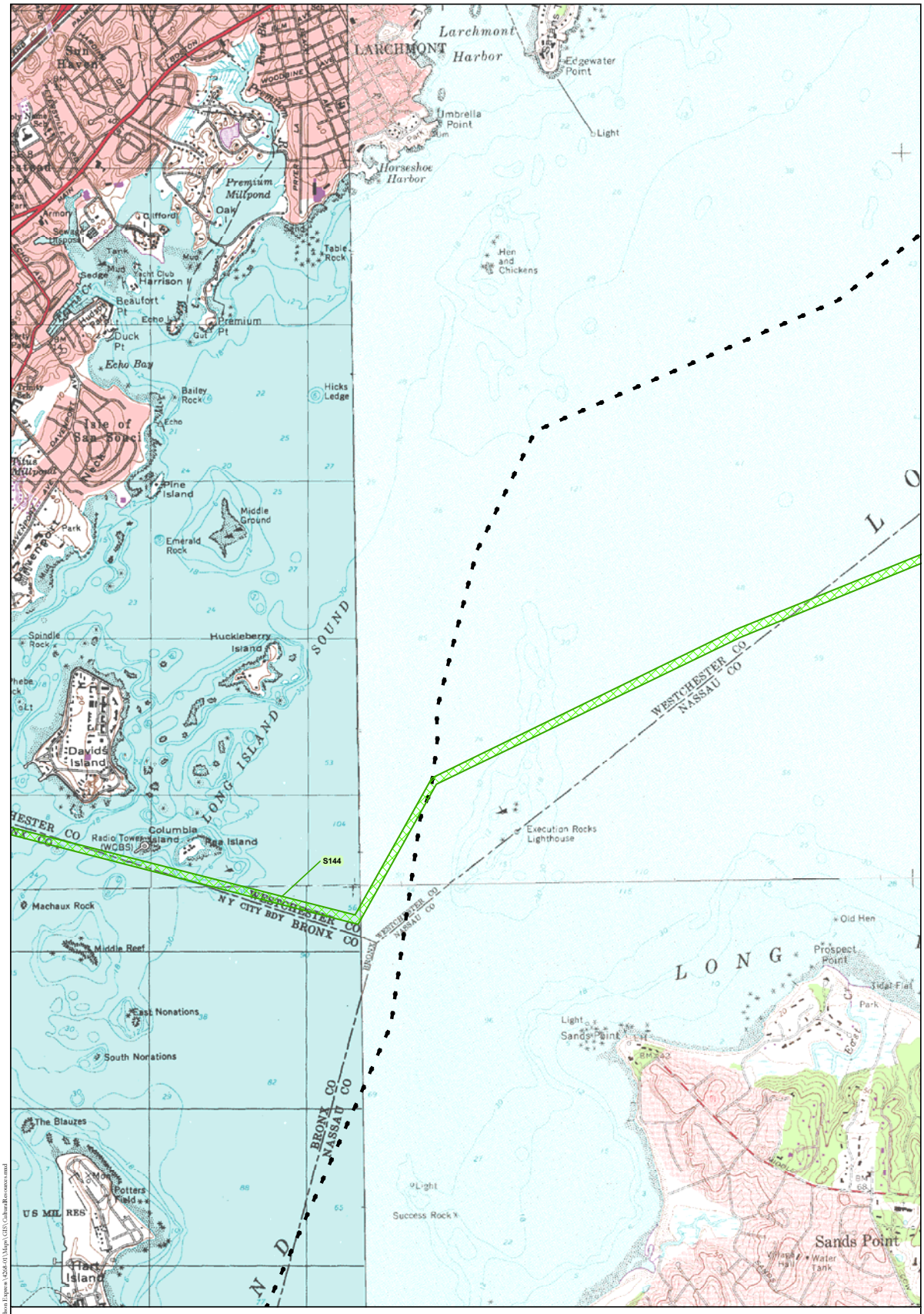
Note: Contour interval is 10 feet.

Previous Archeological Survey Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 74 b

ES February 16, 2010 R:\Active Projects\4268 Oswego-Hudson Express\4268-01\Maps\GIS\CulturalResources.mxd



Legend

- Previous Archeological Survey
- S## Previous Archeological Survey ID (See Appendix 2)
- Proposed Alignment
- Overland Study Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

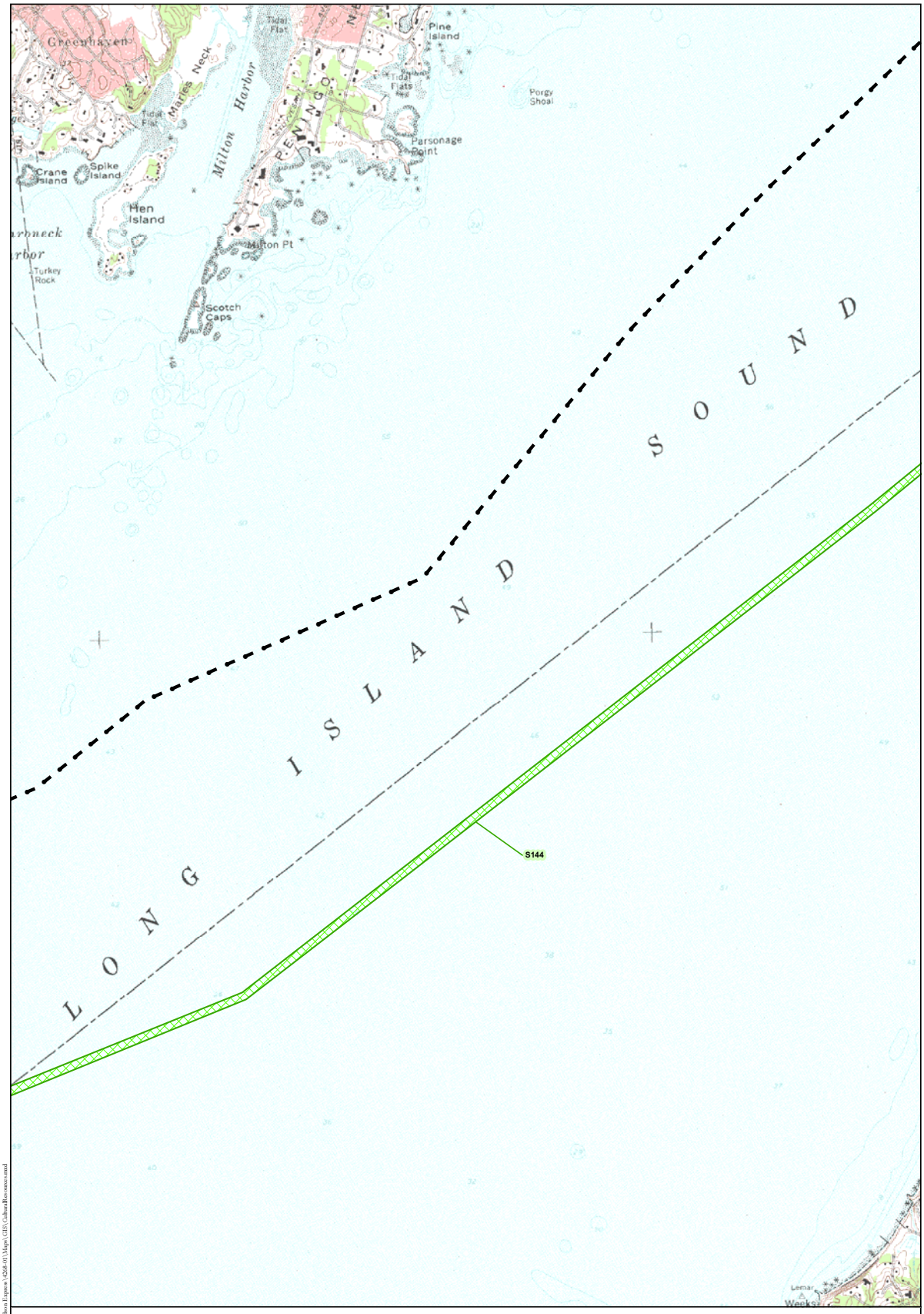
Note: Contour interval is 10 feet.

Previous Archeological Survey Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 75 b

DS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268-01\Maps\GIS\CulturalResources.mxd



Legend

- Previous Archeological Survey
- S## Previous Archeological Survey ID (See Appendix 2)
- Proposed Alignment
- Overland Study Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

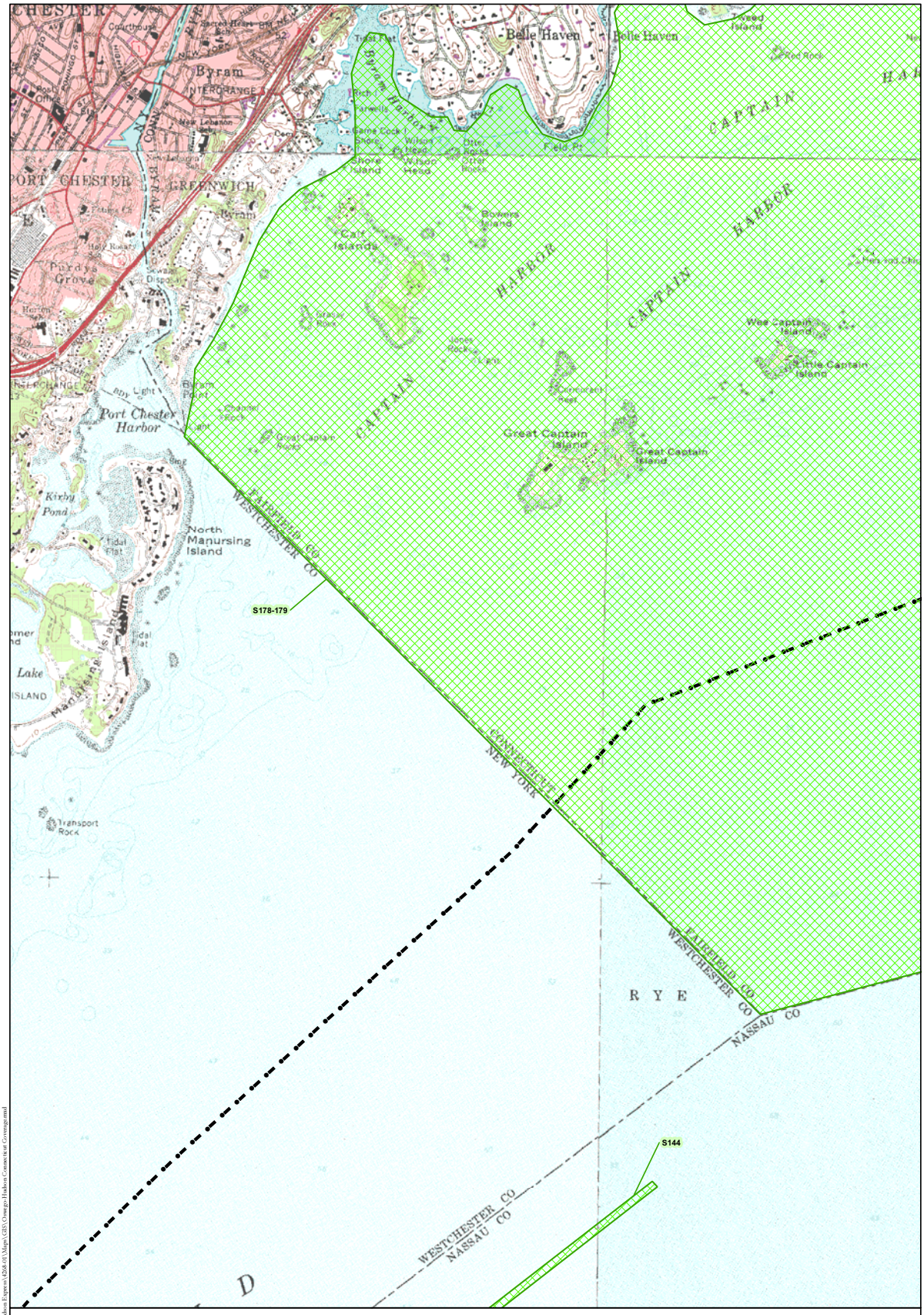
Note: Contour interval is 10 feet.

Previous Archeological Survey Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 76 b

JS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268-01\Maps\GIS\CulturalResources.mxd



Legend

- Previous Archeological Survey
- S## Previous Archeological Survey ID (See Appendix 2)
- Proposed Alignment
- Overland Study Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

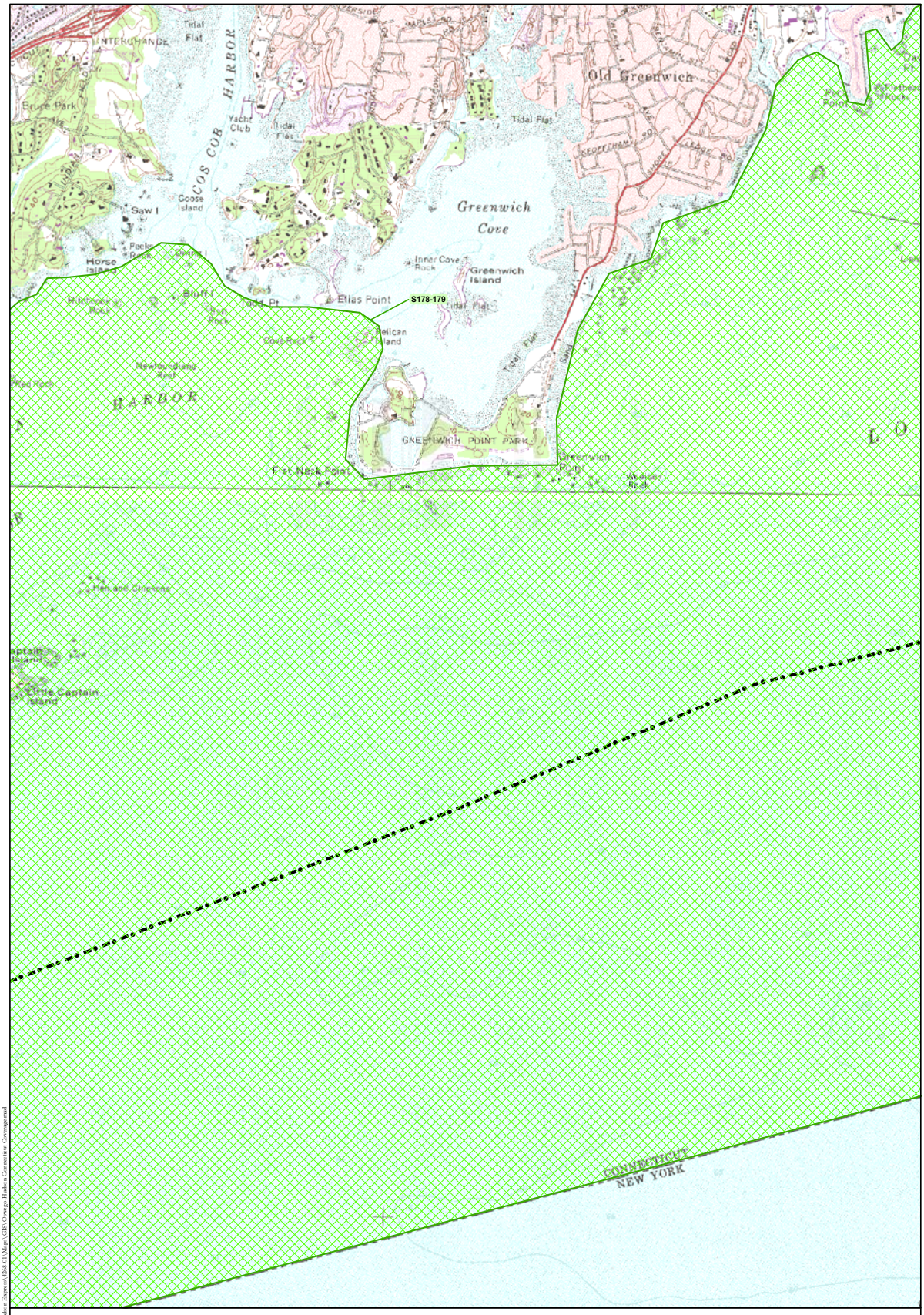
Note: Contour interval is 10 feet.

Previous Archeological Survey Locations
(HAA, Inc. 2010)

HARTGEN archeological associates Inc

Map 77 b

ES February 24, 2010 R:\Active Projects\4268 Orange-Hudson Express\4268-01\Maps\GIS\Orange-Hudson Connecticut Coverage.mxd



Legend

- Previous Archeological Survey
- S## Previous Archeological Survey ID (See Appendix 2)
- Proposed Alignment
- Overland Study Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

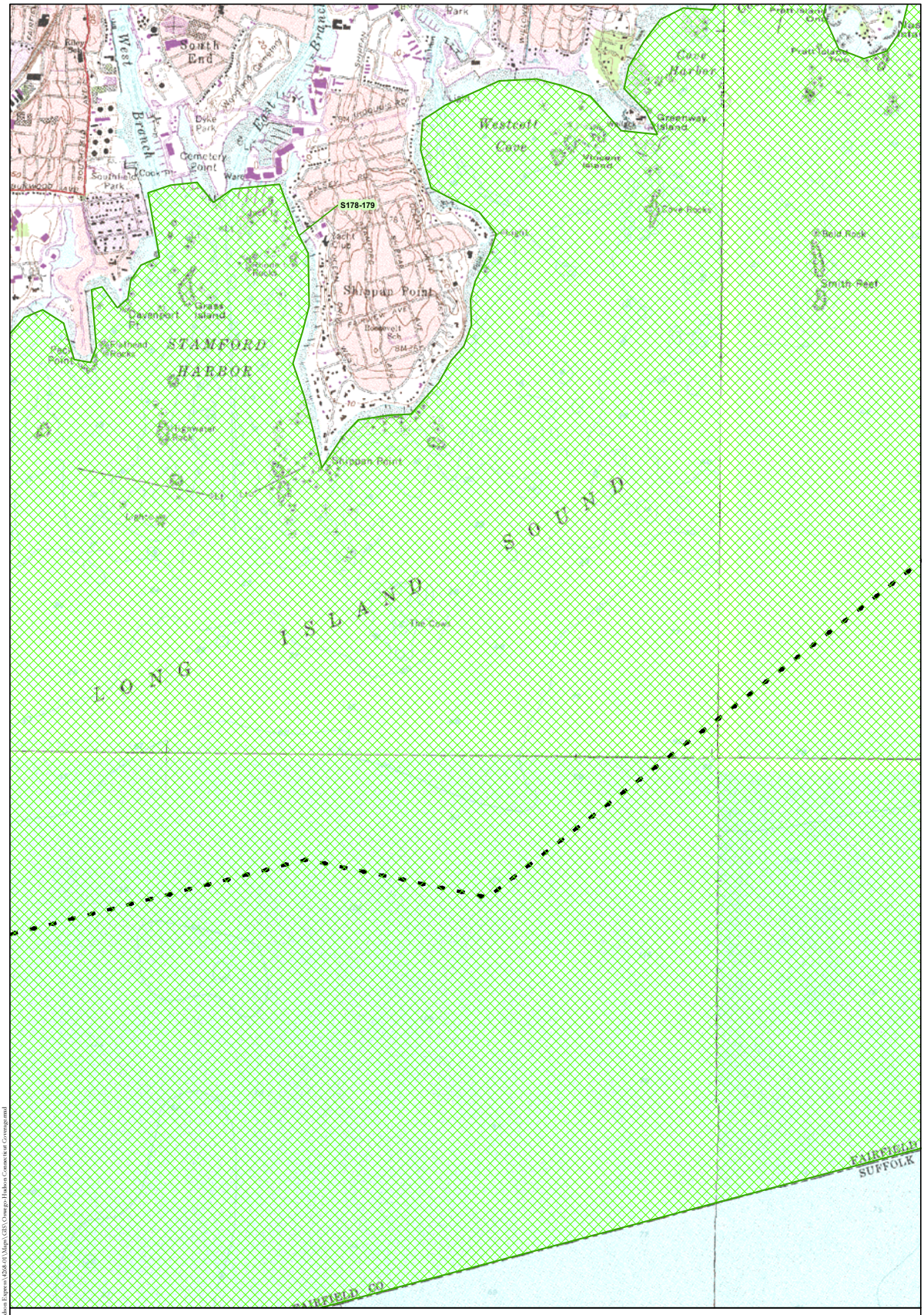
Note: Contour interval is 10 feet.

Previous Archeological Survey Locations
(HAA, Inc. 2010)

HARTGEN archeological associates Inc

Map 78 b

ES February 24, 2010 R:\Active Projects\4268 Orange-Hudson Express\4268-01\Maps\GIS\Orange-Hudson Connecticut Coverage.mxd



Legend

- Previous Archeological Survey
- S## Previous Archeological Survey ID (See Appendix 2)
- Proposed Alignment
- Overland Study Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

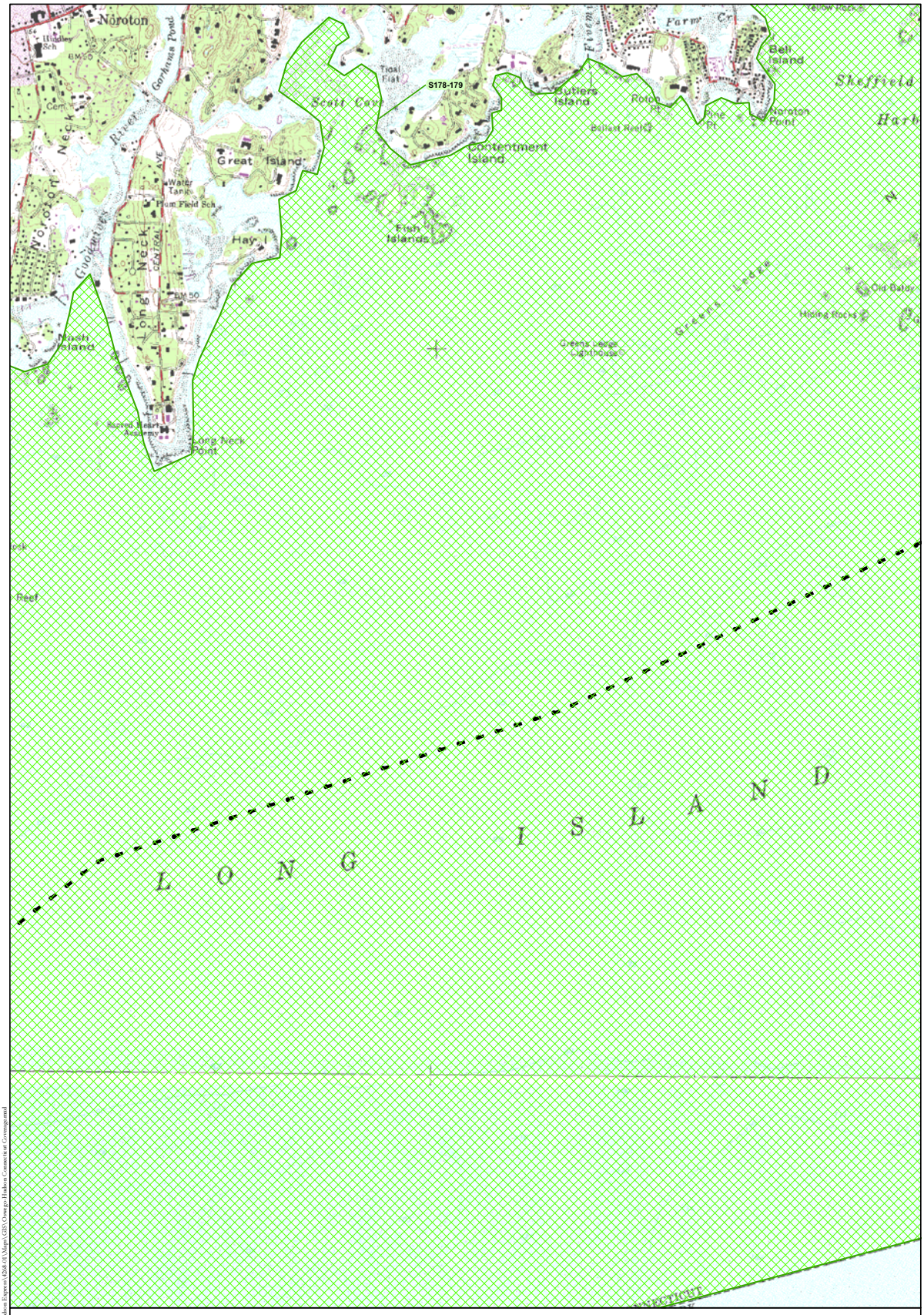
Note: Contour interval is 10 feet.

Previous Archeological Survey Locations
(HAA, Inc. 2010)

HARTGEN archeological associates Inc

Map 79 b

ES February 24, 2010 R:\Active Projects\4268 Orange-Hudson Express\4268-01\Maps\GIS\Orange-Hudson Connecticut Coverage.mxd



Legend

- Previous Archeological Survey
- S## Previous Archeological Survey ID (See Appendix 2)
- Proposed Alignment
- Overland Study Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

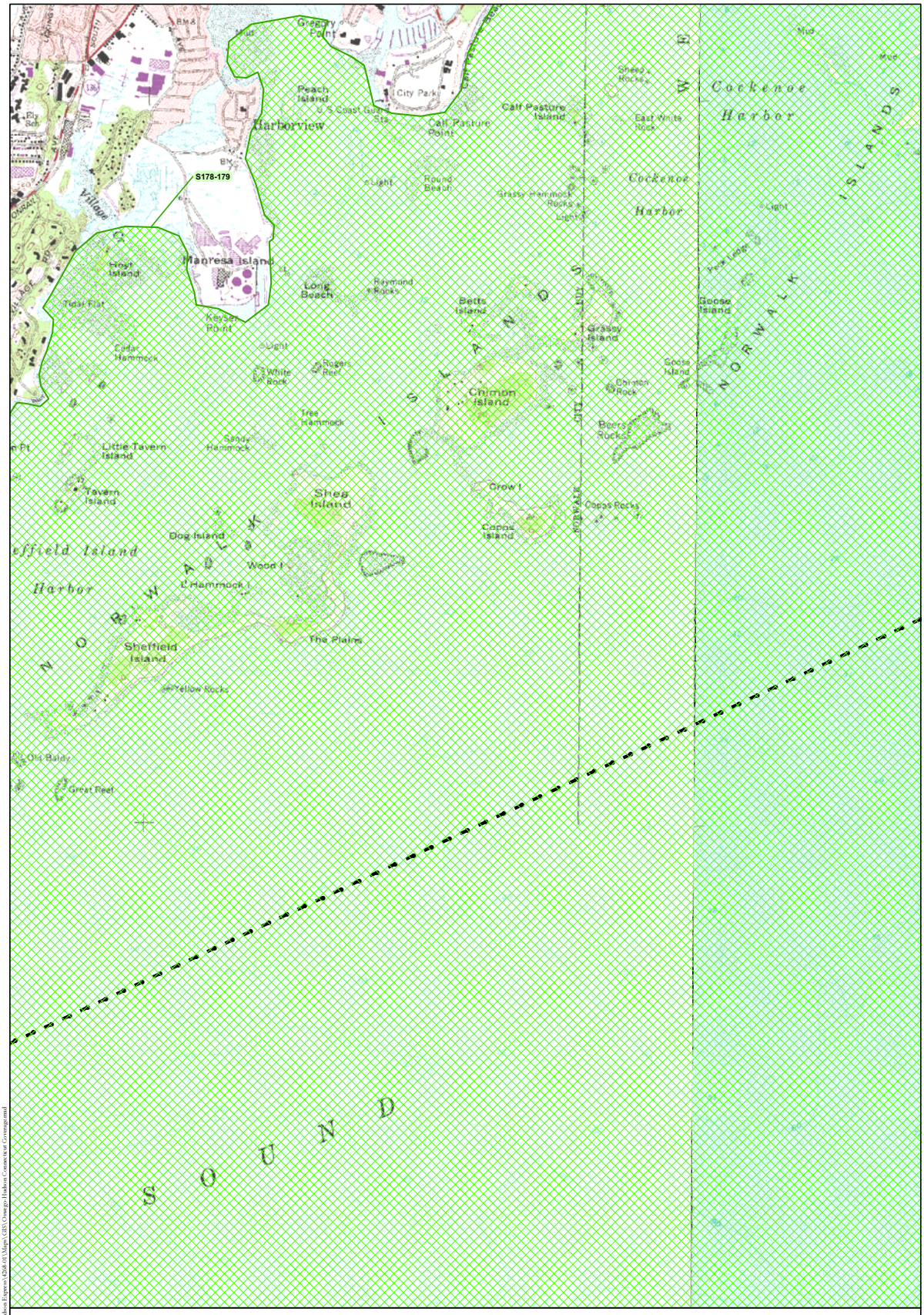
Note: Contour interval is 10 feet.

Previous Archeological Survey Locations
(HAA, Inc. 2010)

HARTGEN archeological associates Inc

Map 80 b

ES February 24, 2010 R:\Active Projects\4268 Orange-Hudson Express\4268-01\Maps\GIS\Orange-Hudson Connecticut Coverage.mxd



Legend

- Previous Archeological Survey
- S## Previous Archeological Survey ID (See Appendix 2)
- Proposed Alignment
- Overland Study Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

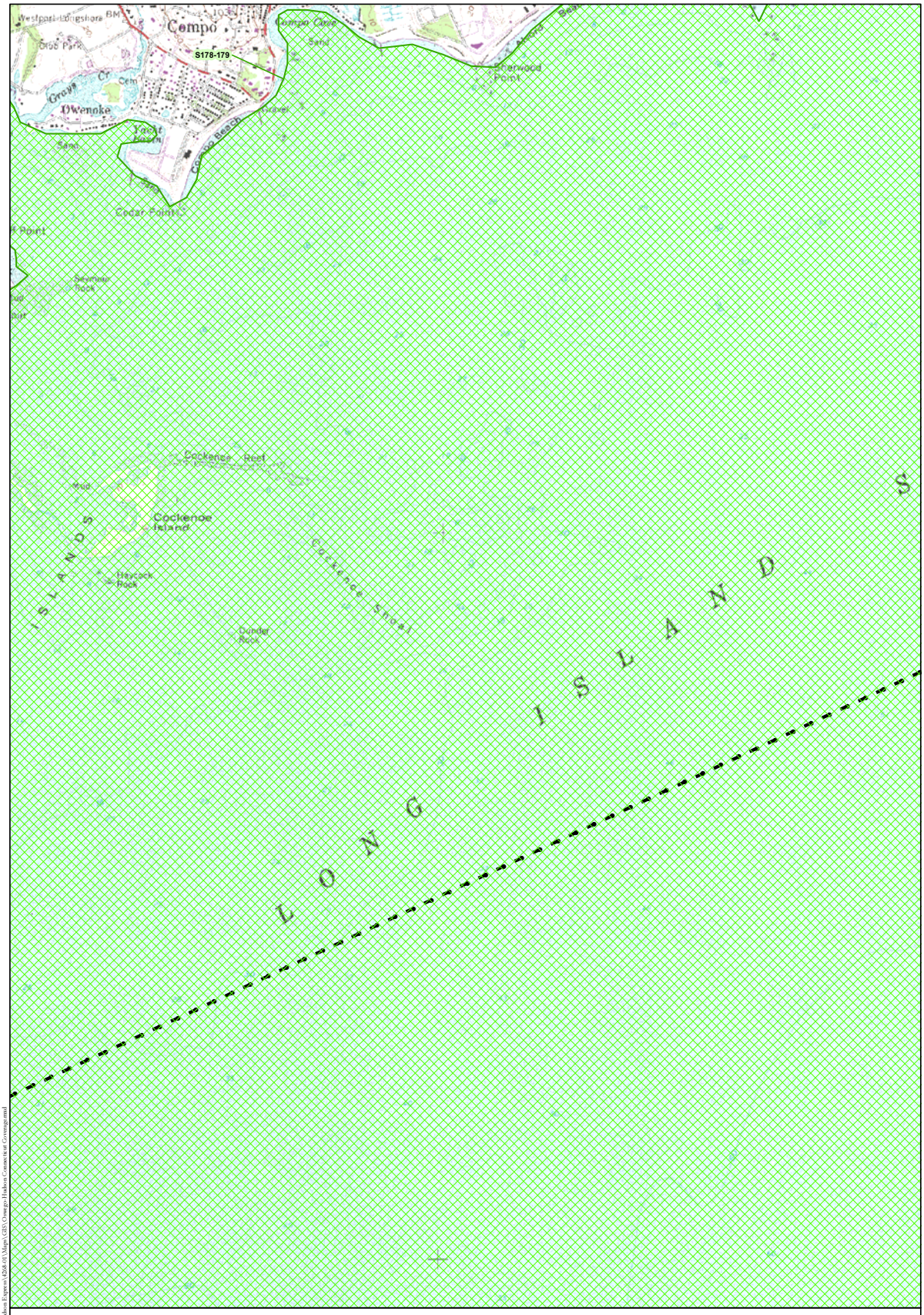
Note: Contour interval is 10 feet.

Previous Archeological Survey Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 81 b

IS February 24, 2010 R:\Active Projects\4268 Orange-Hudson Express\4268-01\Maps\GIS\Orange-Hudson Connecticut Coverage.mxd



Legend

- Previous Archeological Survey
- S## Previous Archeological Survey ID (See Appendix 2)
- Proposed Alignment
- Overland Study Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

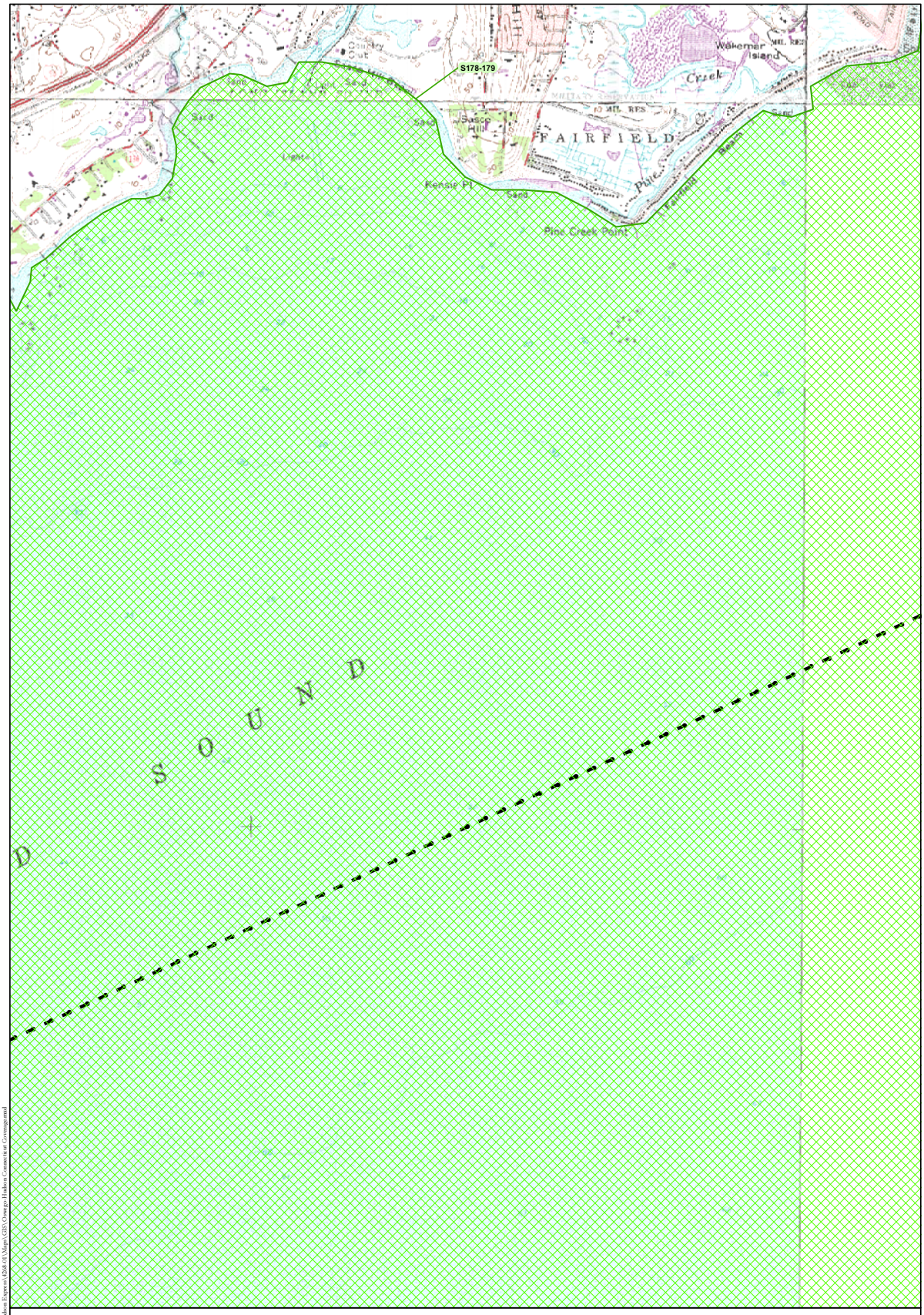
Note: Contour interval is 10 feet.

Previous Archeological Survey Locations
(HAA, Inc. 2010)

HARTGEN archeological associates Inc

Map 82 b

ES February 24, 2010 R:\Active Projects\4268 Orange-Hudson Express\4268-01\Maps\GIS\Orange-Hudson Connecticut Coverage.mxd



Legend

- Previous Archeological Survey
- S## Previous Archeological Survey ID (See Appendix 2)
- Proposed Alignment
- Overland Study Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

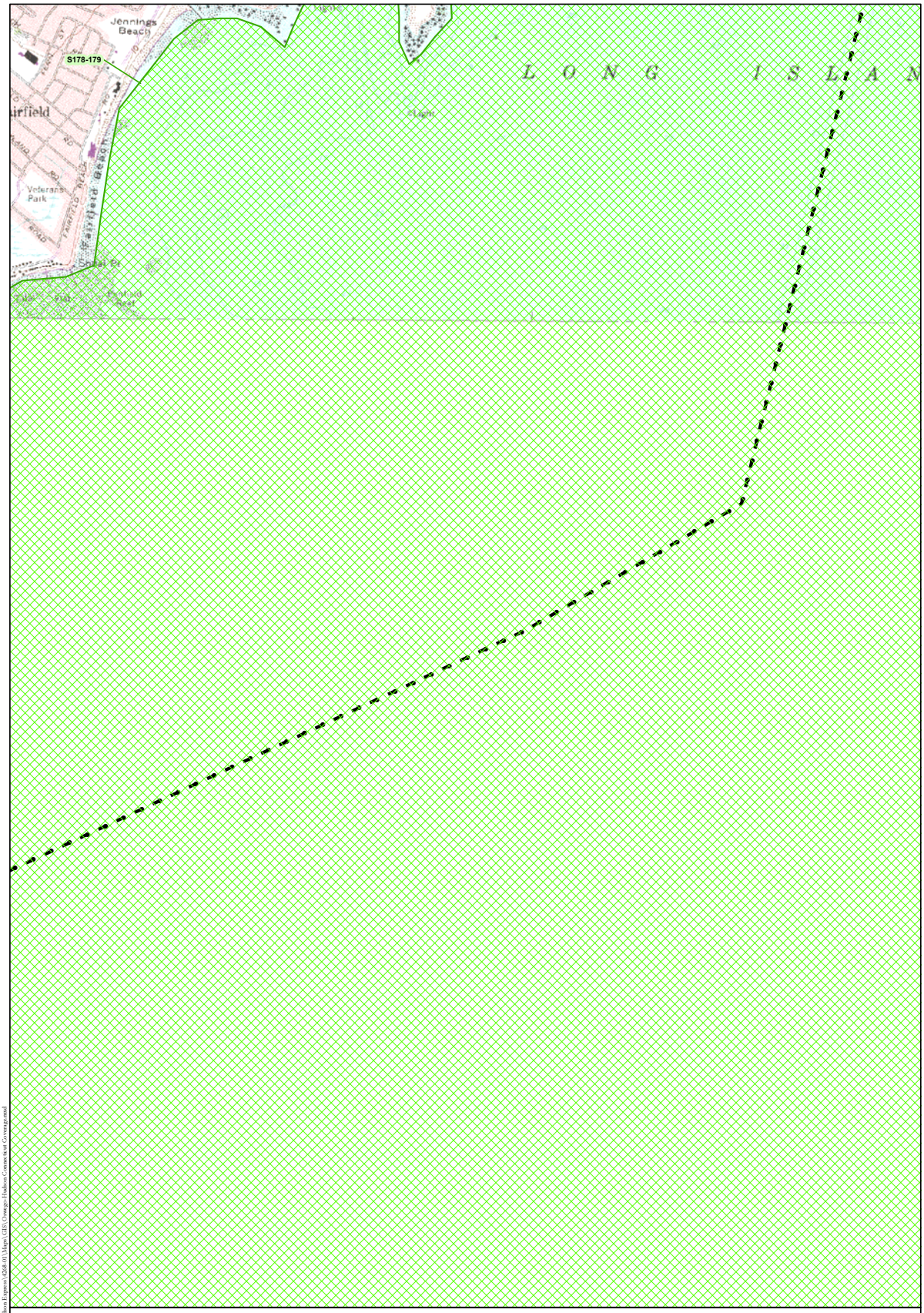
Note: Contour interval is 10 feet.

Previous Archeological Survey Locations
(HAA, Inc. 2010)

HARTGEN archeological associates Inc

Map 83 b

IS February 24, 2010 R:\Active Projects\4268 Orange-Hudson Express\4268-01\Maps\GIS\Orange-Hudson Connecticut Coverage.mxd



Legend

- Previous Archeological Survey
- S## Previous Archeological Survey ID (See Appendix 2)
- Proposed Alignment
- Overland Study Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

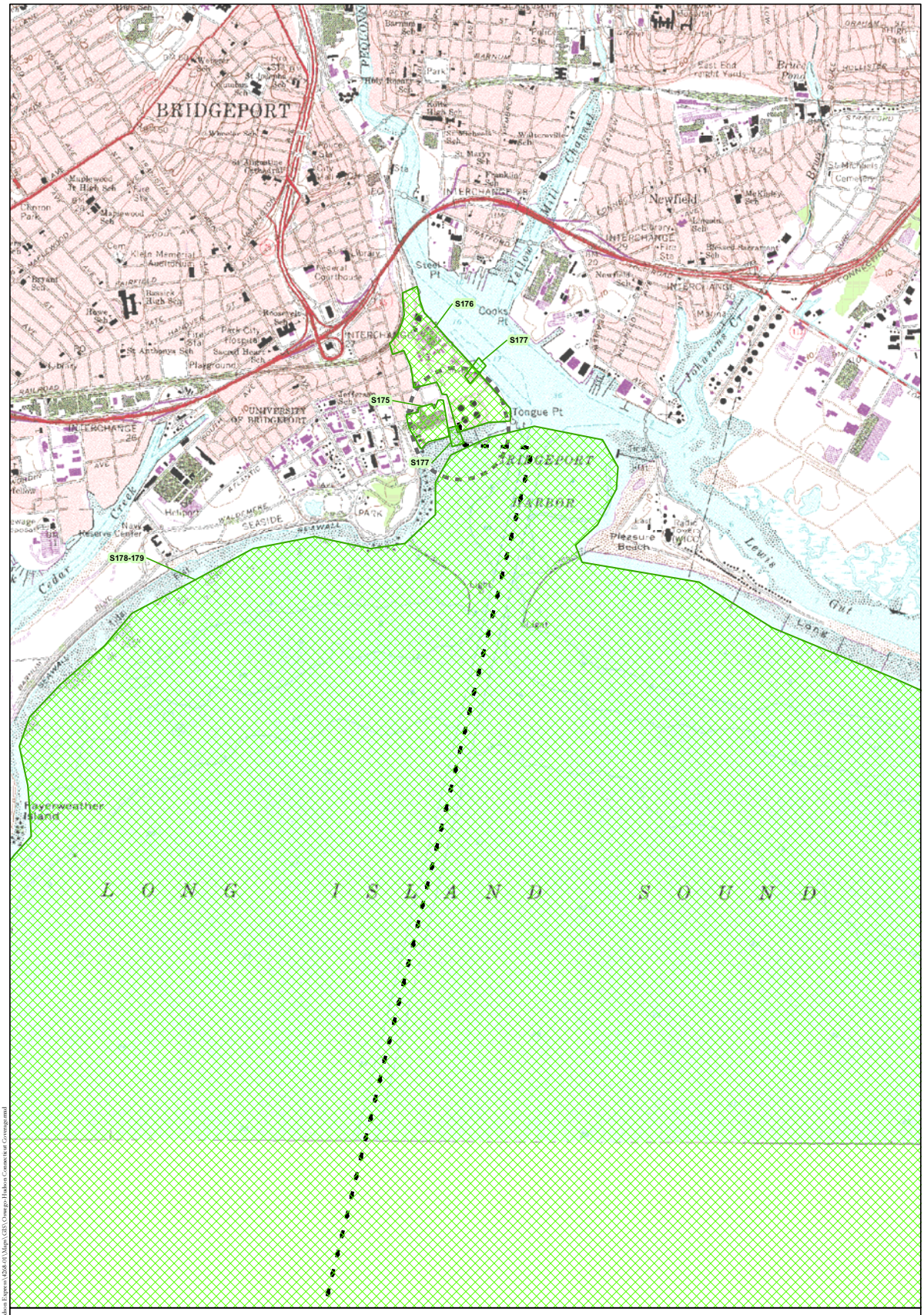
Note: Contour interval is 10 feet.

Previous Archeological Survey Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 84 b

IS February 24, 2010 R:\Active Projects\4268 Orange-Hudson Express\4268-01\Maps\GIS\Orange-Hudson Connecticut Coverage.mxd



Legend

- Previous Archeological Survey
- S## Previous Archeological Survey ID (See Appendix 2)
- Proposed Alignment
- Overland Study Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

Note: Contour interval is 10 feet.

Previous Archeological Survey Locations
(HAA, Inc. 2010)

HARTGEN archeological associates Inc

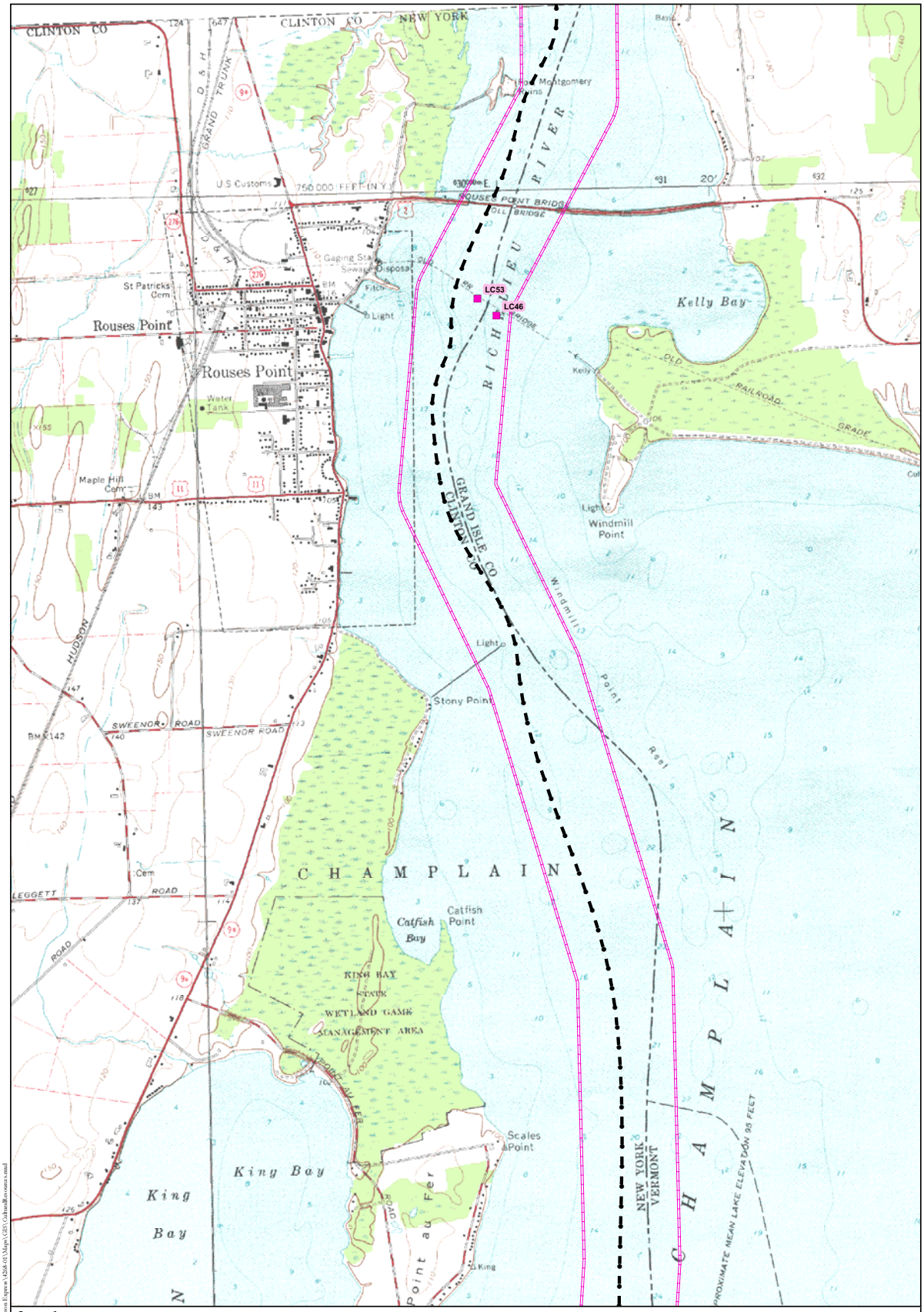
Map 85 b

IS February 24, 2010 R:\Active Projects\4268 Orange-Hudson Express\4268.01\Maps\GIS\Orange-Hudson Connecticut Coverage.mxd

PLEASE NOTE

ARCHEOLOGICAL SITES AND SHIPWRECK LOCATIONS ARE CONSIDERED PRIVLEDGED AND CONFIDENTIAL INFORMATION

MAPS WITH SITE LOCATIONS ARE NOT TO BE MADE AVAILABLE TO THE PUBLIC



Legend

- Lake Champlain Maritime Museum (LC) Site
- LC## LC Site ID (See Appendix 3)
- Underwater Site or Anomaly
- U## Underwater Site or Anomaly ID (See Appendix 3)
- Proposed Alignment
- Overland Study Area
- LCMM Shipwreck Survey Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

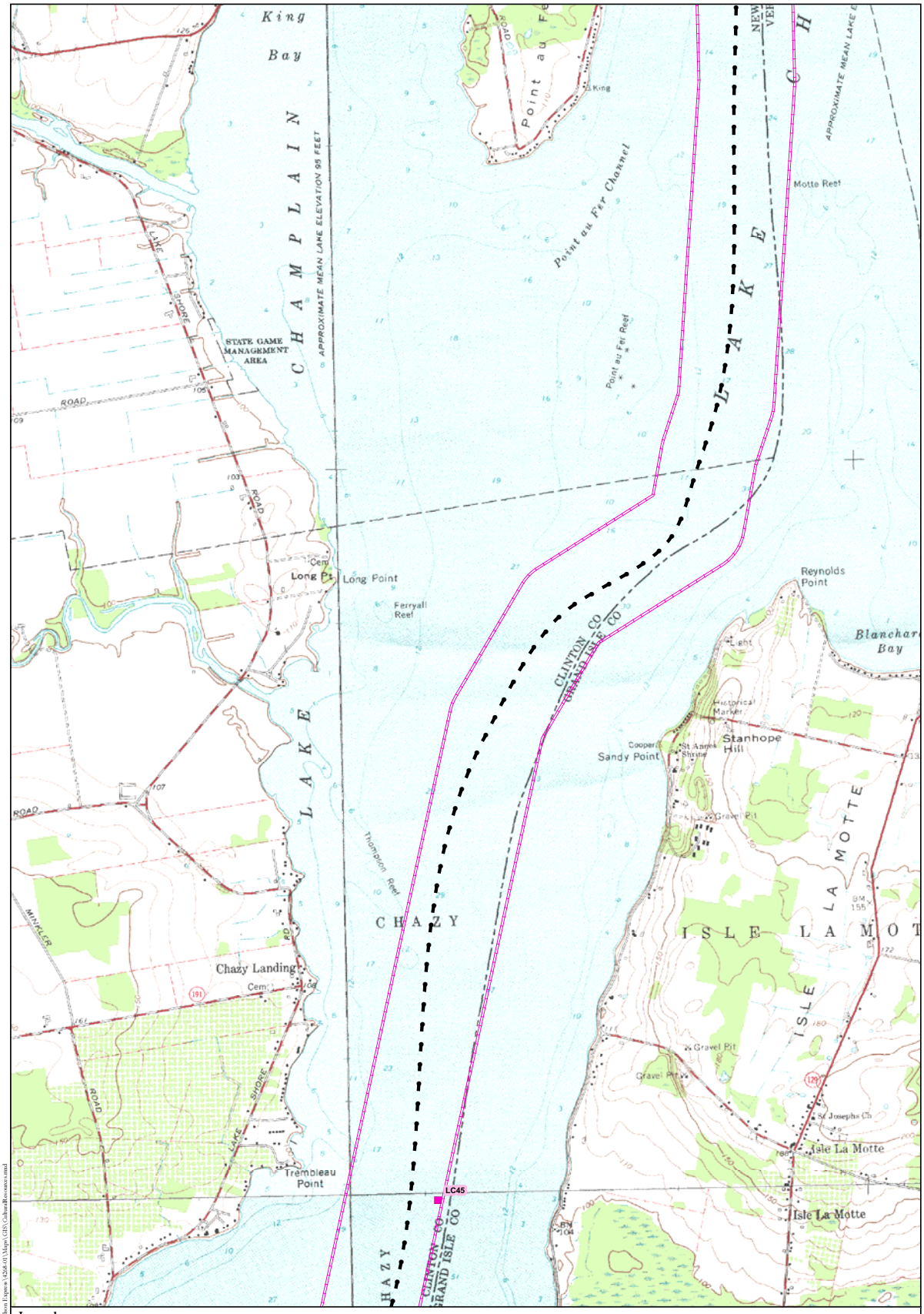
Note: Contour interval is 10 feet.

Underwater Resource Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 01 c

DS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268-01\Maps\GIS\CulturalResources.mxd



Legend

- Lake Champlain Maritime Museum (LC) Site
- LC## LC Site ID (See Appendix 3)
- Underwater Site or Anomaly
- U## Underwater Site or Anomaly ID (See Appendix 3)
- Proposed Alignment
- Overland Study Area
- LCMM Shipwreck Survey Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

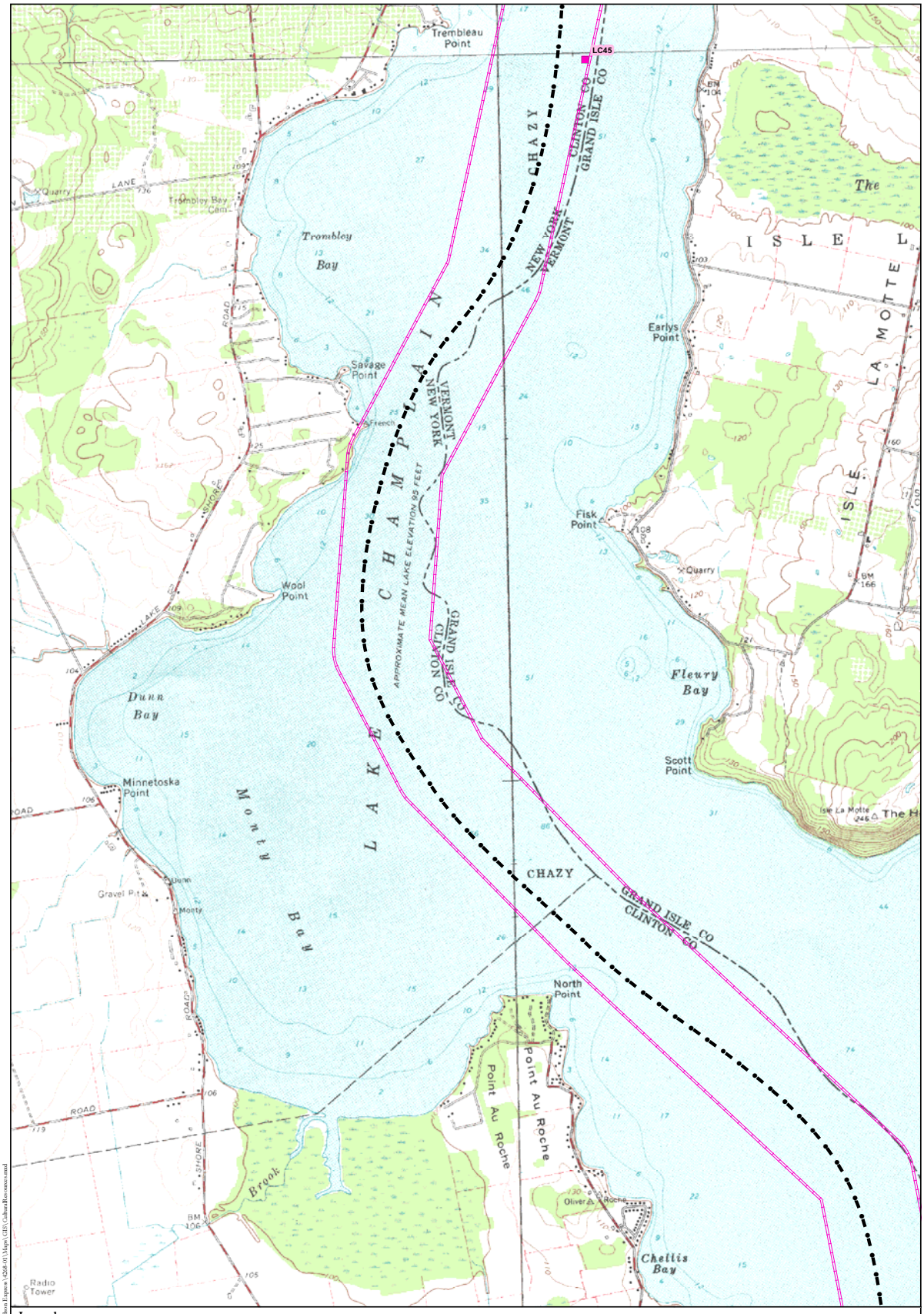
Note: Contour interval is 10 feet.

Underwater Resource Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 02 c

DS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268-01\Maps\GIS\CulturalResources.mxd



Legend

- Lake Champlain Maritime Museum (LC) Site
- LC## LC Site ID (See Appendix 3)
- Underwater Site or Anomaly
- U## Underwater Site or Anomaly ID (See Appendix 3)
- Proposed Alignment
- Overland Study Area
- LCMM Shipwreck Survey Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

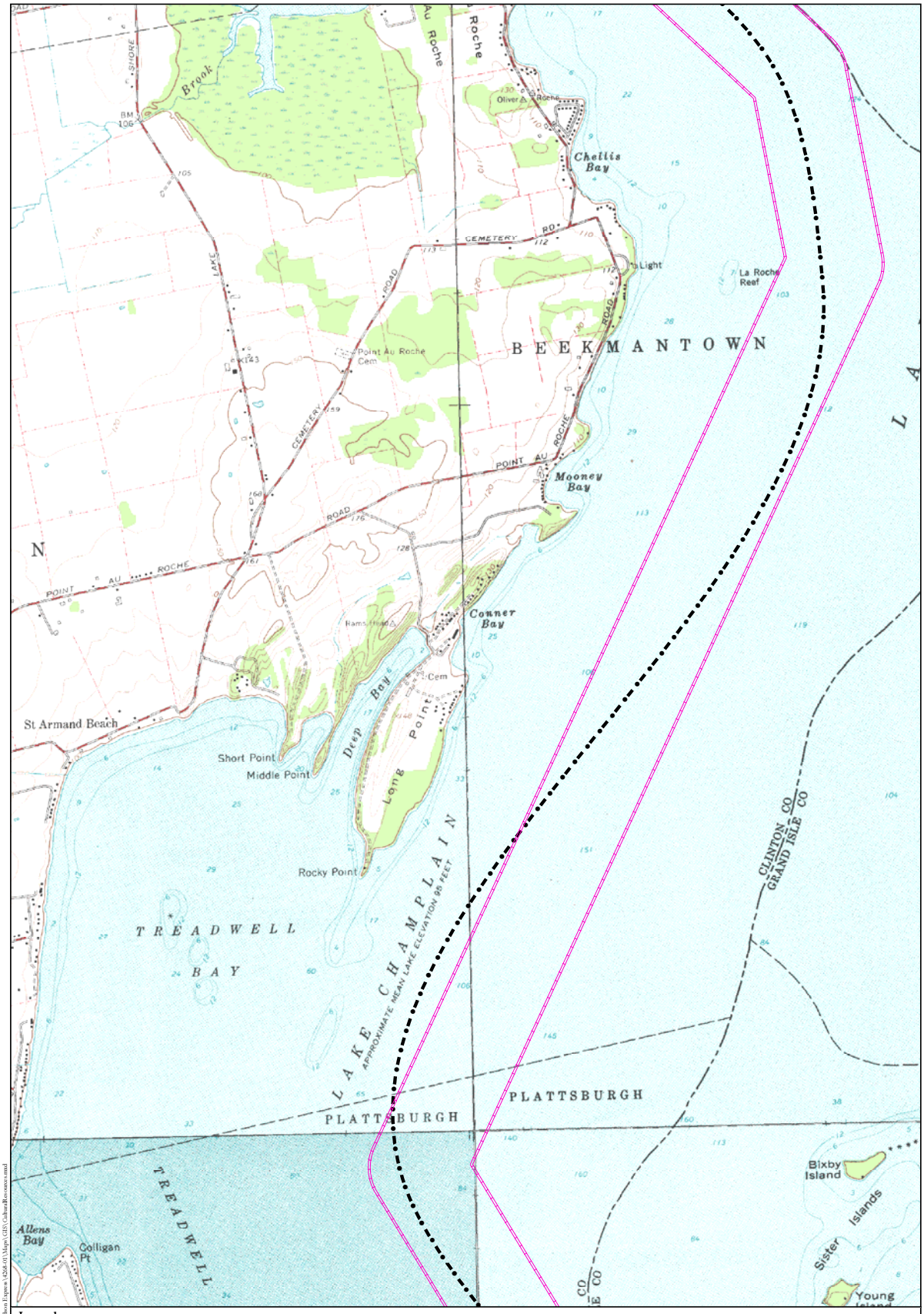
Note: Contour interval is 10 feet.

Underwater Resource Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 03 c

DS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268-01\Maps\GIS\CulturalResources.mxd



Legend

- Lake Champlain Maritime Museum (LC) Site
- LC## LC Site ID (See Appendix 3)
- Underwater Site or Anomaly
- U## Underwater Site or Anomaly ID (See Appendix 3)
- Proposed Alignment
- Overland Study Area
- LCMM Shipwreck Survey Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

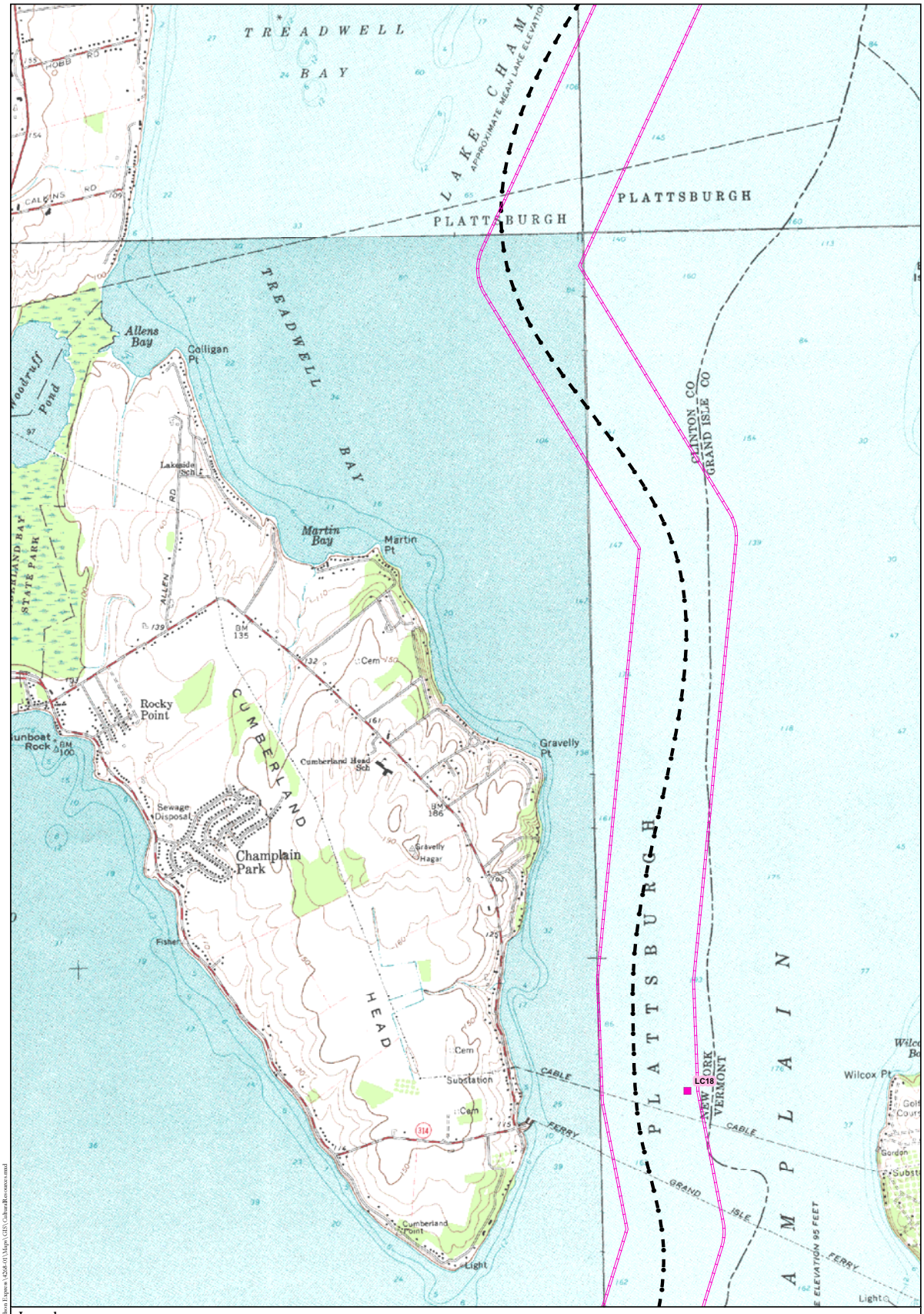
Note: Contour interval is 10 feet.

Underwater Resource Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 04 c

DS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268-01\Maps\GIS\CulturalResources.mxd



Legend

- Lake Champlain Maritime Museum (LC) Site
- LC## LC Site ID (See Appendix 3)
- Underwater Site or Anomaly
- U## Underwater Site or Anomaly ID (See Appendix 3)
- Proposed Alignment
- Overland Study Area
- LCMM Shipwreck Survey Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

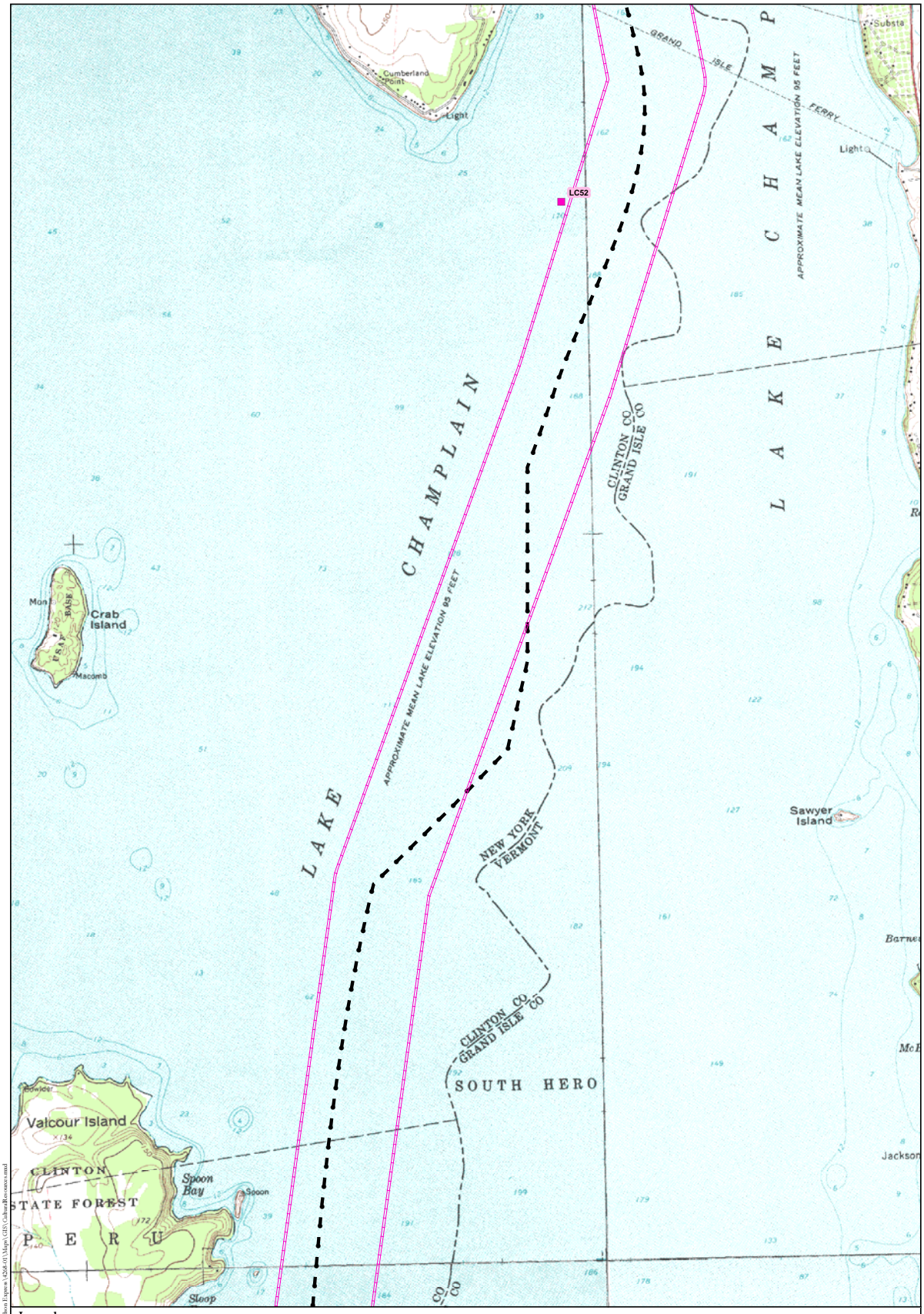
Note: Contour interval is 10 feet.

Underwater Resource Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 05 c

DS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268-01\Maps\GIS\CulturalResources.mxd



Legend

- Lake Champlain Maritime Museum (LC) Site
- LC## LC Site ID (See Appendix 3)
- Underwater Site or Anomaly
- U## Underwater Site or Anomaly ID (See Appendix 3)
- Proposed Alignment
- Overland Study Area
- LCMM Shipwreck Survey Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

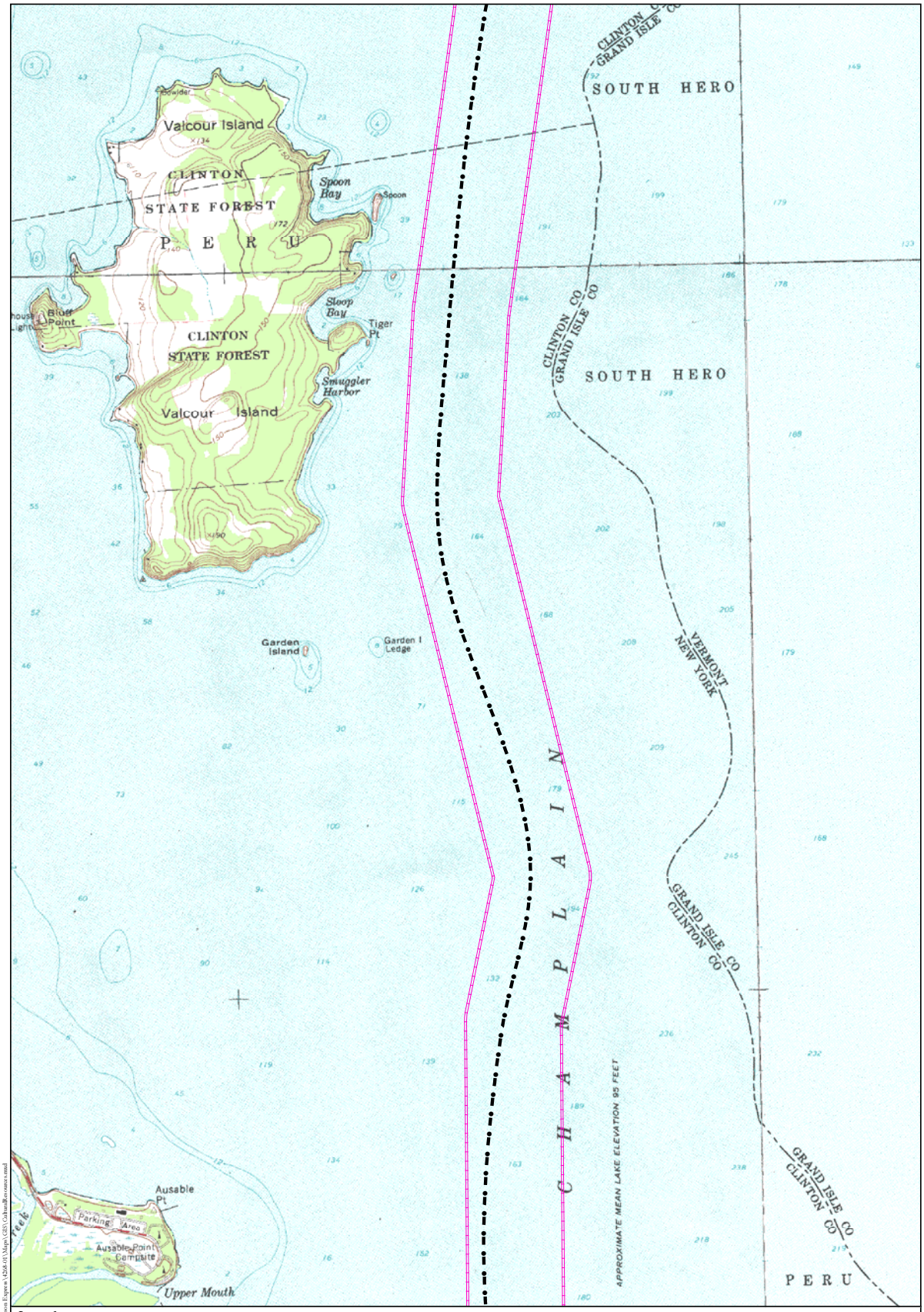
Note: Contour interval is 10 feet.

Underwater Resource Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 06 c

DS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268-01\Maps\GIS\CulturalResources.mxd



Legend

- Lake Champlain Maritime Museum (LC) Site
- LC## LC Site ID (See Appendix 3)
- Underwater Site or Anomaly
- U## Underwater Site or Anomaly ID (See Appendix 3)
- Proposed Alignment
- Overland Study Area
- LCMM Shipwreck Survey Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

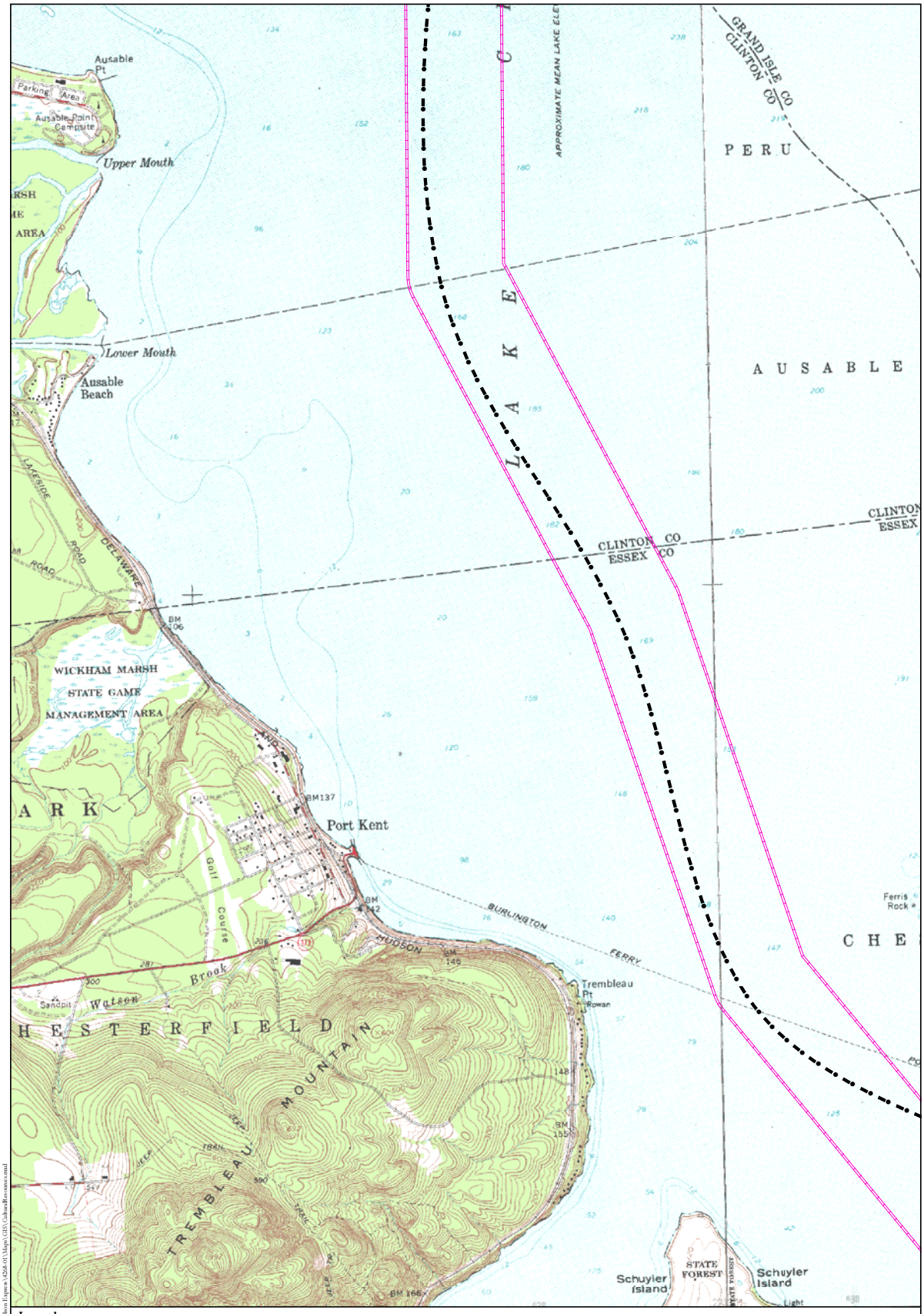
Note: Contour interval is 10 feet.

Underwater Resource Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 07 c

JS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268.01\Maps\GIS\CulturalResources.mxd



Legend

- Lake Champlain Maritime Museum (LC) Site
- LC## LC Site ID (See Appendix 3)
- Underwater Site or Anomaly
- U## Underwater Site or Anomaly ID (See Appendix 3)
- Proposed Alignment
- Overland Study Area
- LCMM Shipwreck Survey Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

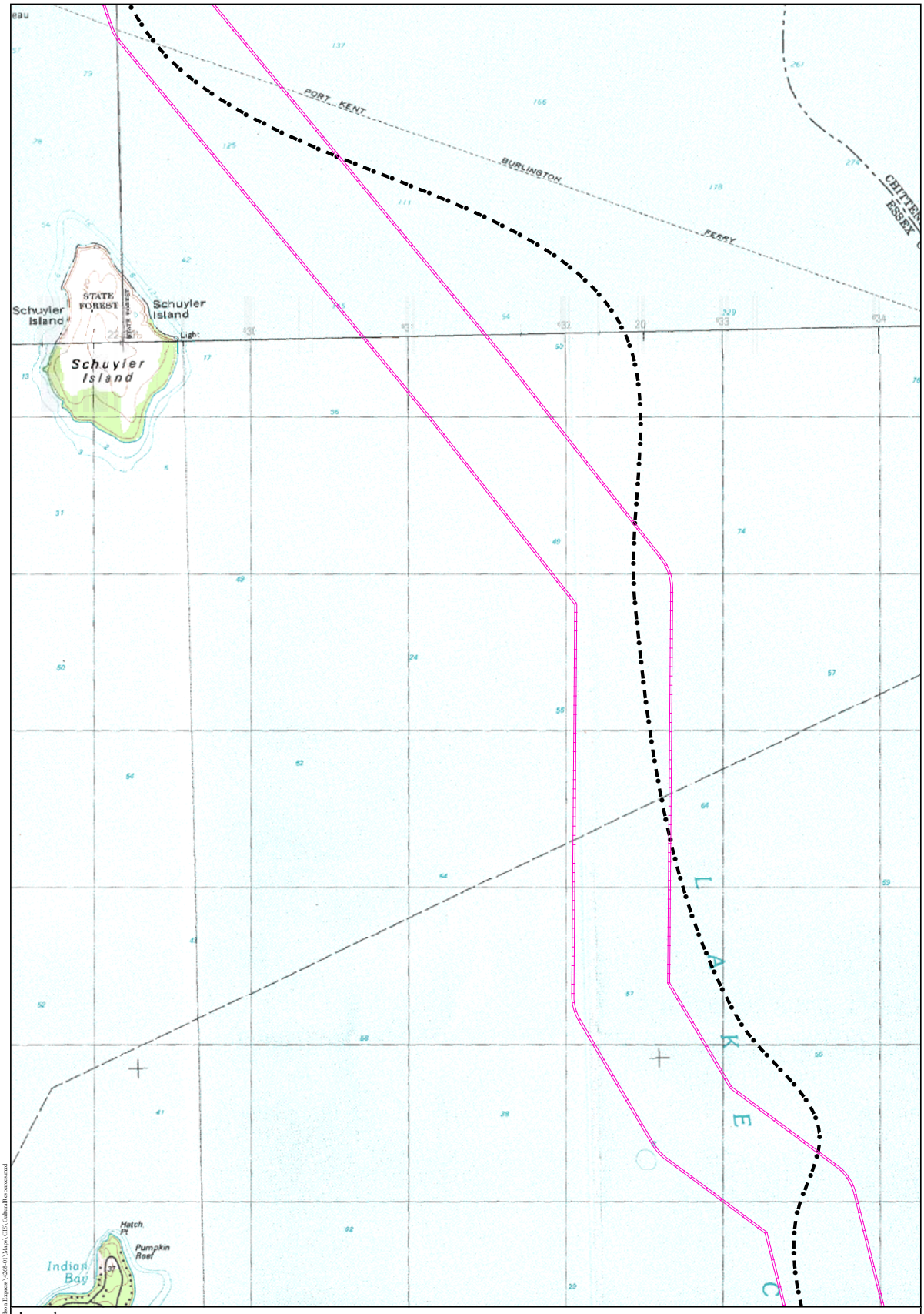
Note: Contour interval is 10 feet.

Underwater Resource Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 08 c

DS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268-01\Maps\GIS\CulturalResources.mxd



Legend

- Lake Champlain Maritime Museum (LC) Site
- LC## LC Site ID (See Appendix 3)
- Underwater Site or Anomaly
- U## Underwater Site or Anomaly ID (See Appendix 3)
- Proposed Alignment
- Overland Study Area
- LCMM Shipwreck Survey Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

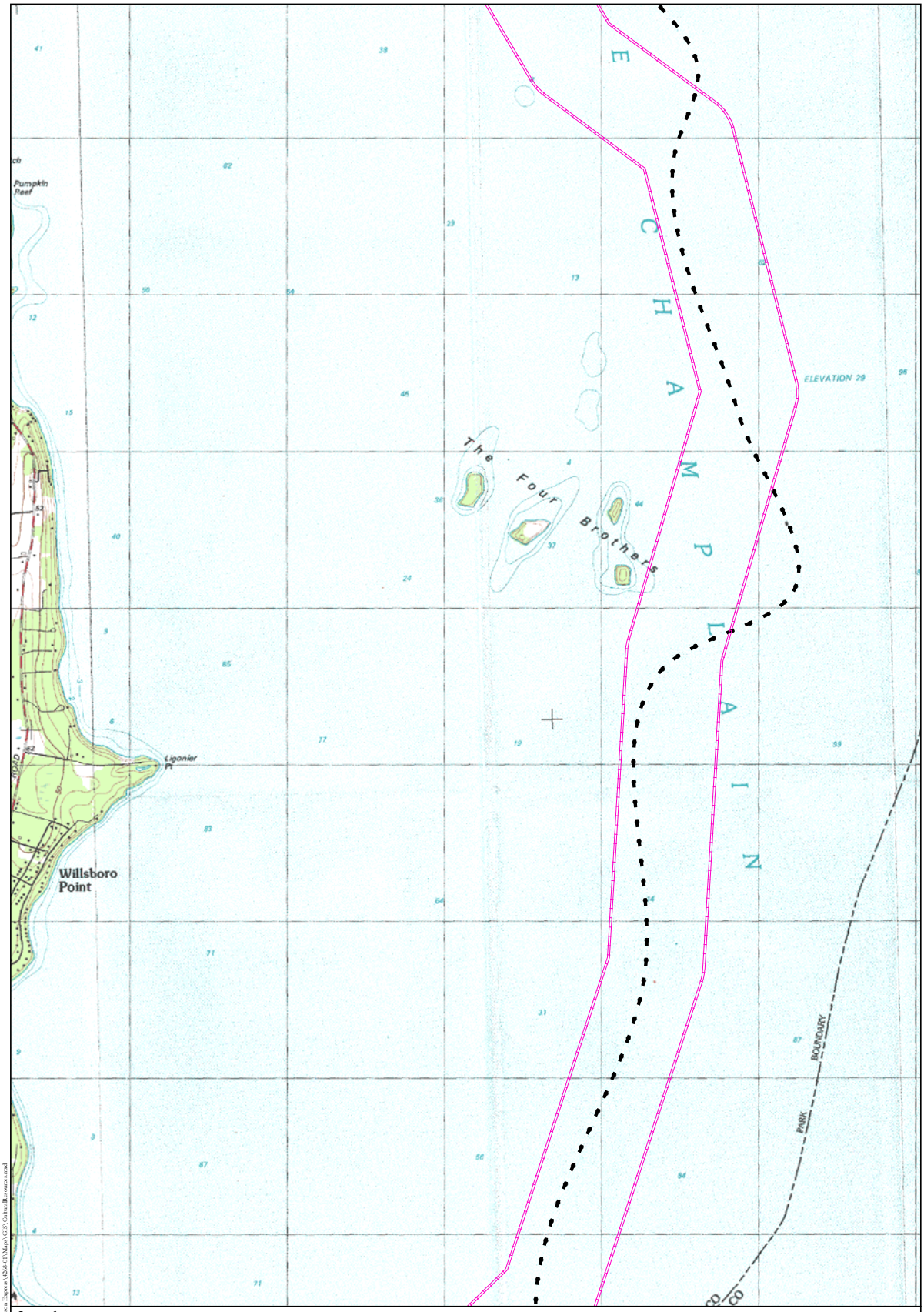
Note: Contour interval is 10 feet.

Underwater Resource Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 09 c

JS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268-01\Maps\GIS\CulturalResources.mxd



Legend

- Lake Champlain Maritime Museum (LC) Site
- LC## LC Site ID (See Appendix 3)
- Underwater Site or Anomaly
- U## Underwater Site or Anomaly ID (See Appendix 3)
- Proposed Alignment
- Overland Study Area
- LCMM Shipwreck Survey Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

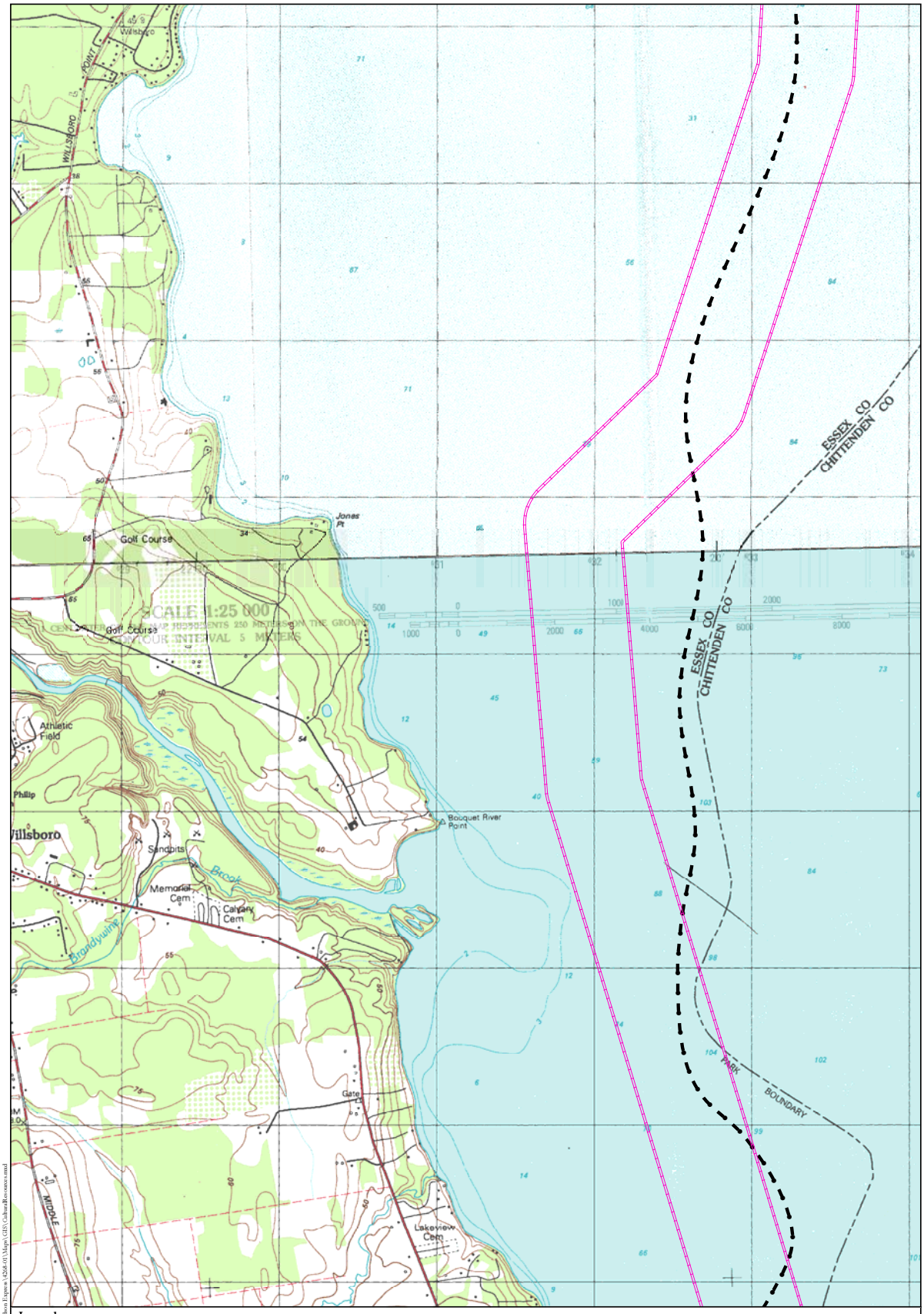
Note: Contour interval is 10 feet.

Underwater Resource Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 10 c

DS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268-01\Maps\GIS\CulturalResources.mxd



Legend

- Lake Champlain Maritime Museum (LC) Site
- LC## LC Site ID (See Appendix 3)
- Underwater Site or Anomaly
- U## Underwater Site or Anomaly ID (See Appendix 3)
- Proposed Alignment
- Overland Study Area
- LCMM Shipwreck Survey Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

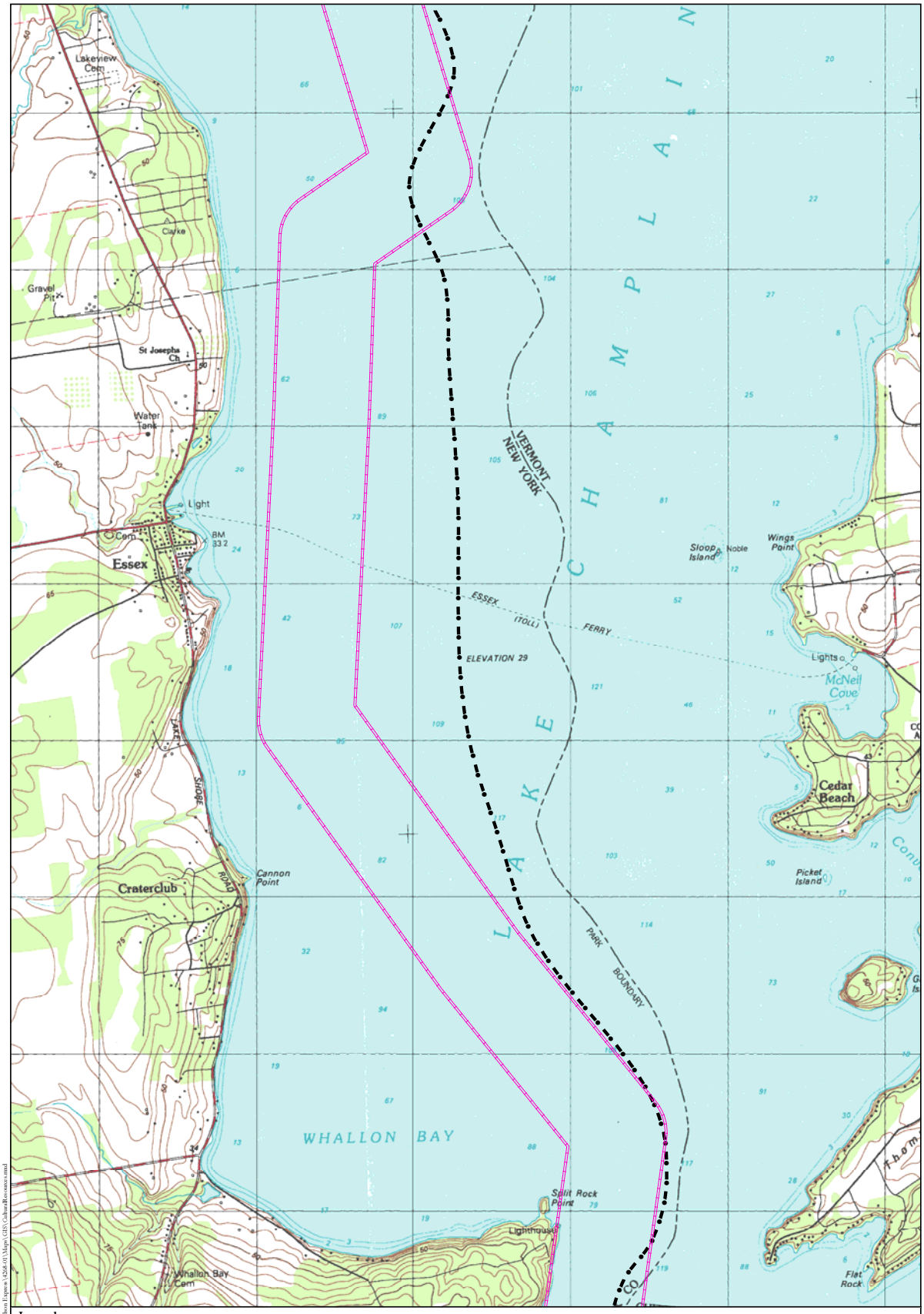
Note: Contour interval is 10 feet.

Underwater Resource Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 11 c

DS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268-01\Maps\GIS\CulturalResources.mxd



Legend

- Lake Champlain Maritime Museum (LC) Site
- LC## LC Site ID (See Appendix 3)
- Underwater Site or Anomaly
- U## Underwater Site or Anomaly ID (See Appendix 3)
- Proposed Alignment
- Overland Study Area
- LCMM Shipwreck Survey Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

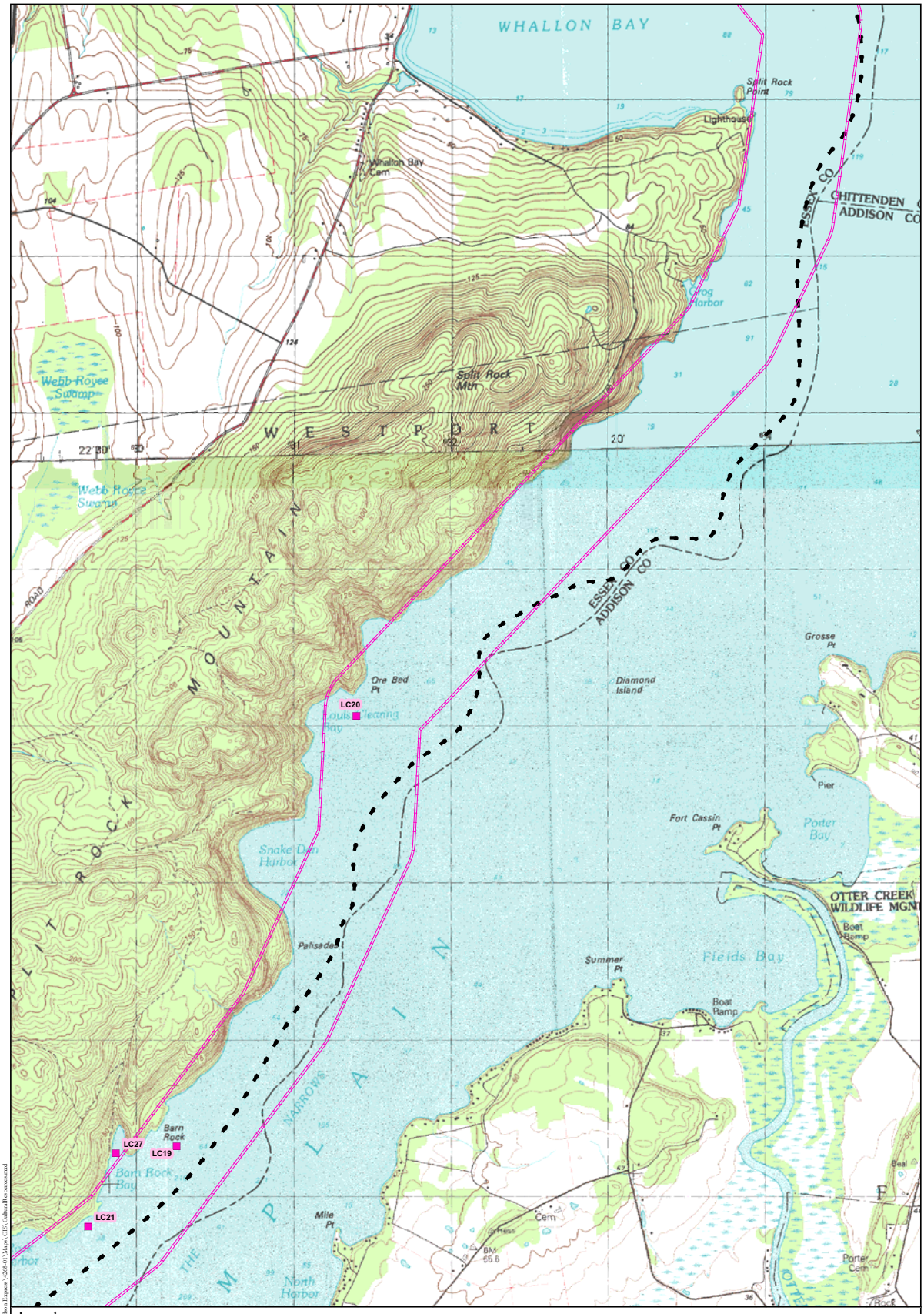
Note: Contour interval is 10 feet.

Underwater Resource Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 12 c

DS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268-01\Maps\GIS\CulturalResources.mxd



Legend

- Lake Champlain Maritime Museum (LC) Site
- LC## LC Site ID (See Appendix 3)
- Underwater Site or Anomaly
- U## Underwater Site or Anomaly ID (See Appendix 3)
- Proposed Alignment
- Overland Study Area
- LCMM Shipwreck Survey Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

Note: Contour interval is 10 feet.

Underwater Resource Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 13 c

DS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268-01\Maps\GIS\CulturalResources.mxd

Legend

- Lake Champlain Maritime Museum (LC) Site
- LC## LC Site ID (See Appendix 3)
- Underwater Site or Anomaly
- U## Underwater Site or Anomaly ID (See Appendix 3)
- Proposed Alignment
- Overland Study Area
- LCMM Shipwreck Survey Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

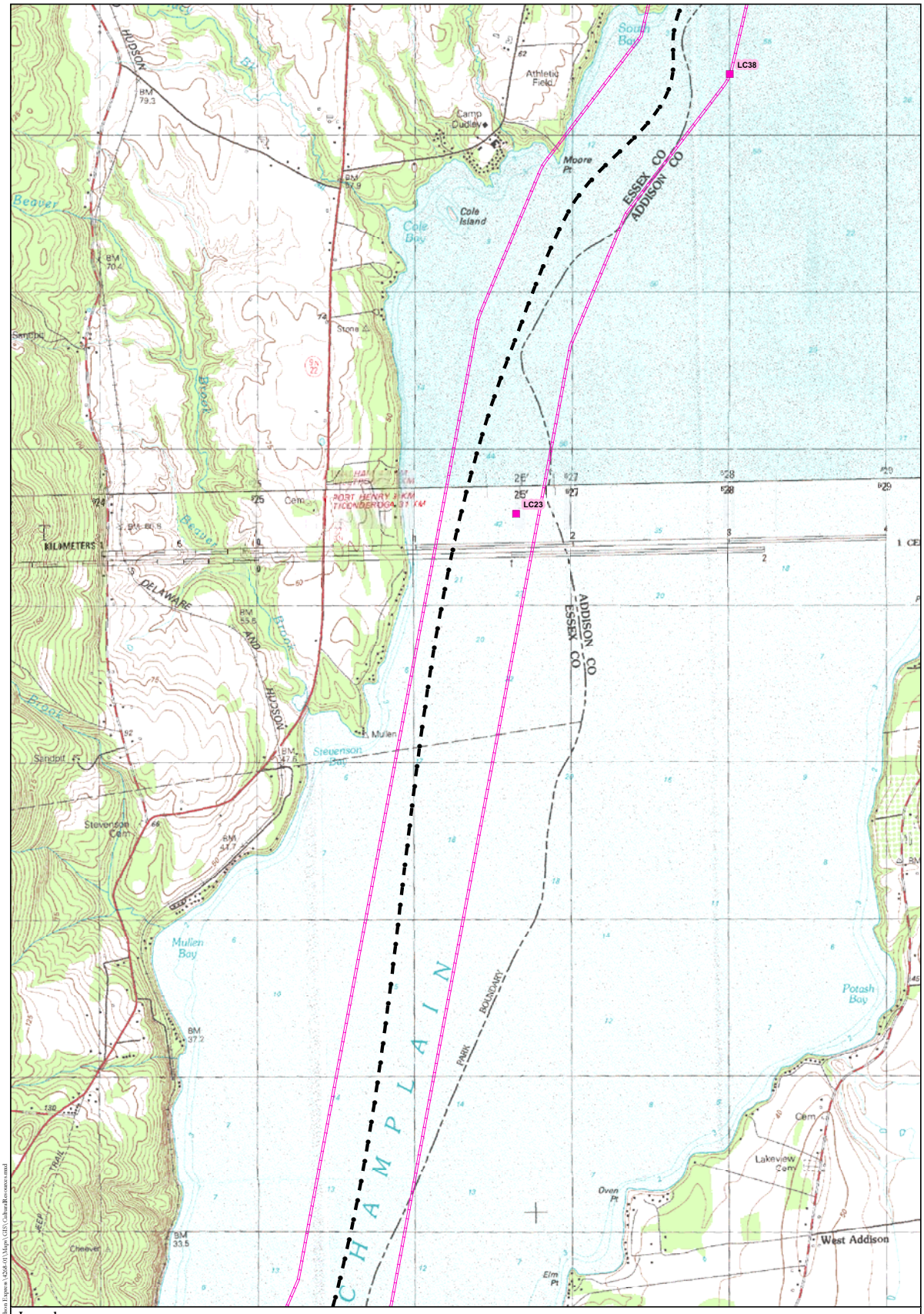
Note: Contour interval is 10 feet.

Underwater Resource Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 14 c

JS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268-01\Maps\GIS\CulturalResources.mxd



Legend

- Lake Champlain Maritime Museum (LC) Site
- LC## LC Site ID (See Appendix 3)
- Underwater Site or Anomaly
- U## Underwater Site or Anomaly ID (See Appendix 3)
- Proposed Alignment
- Overland Study Area
- LCMM Shipwreck Survey Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

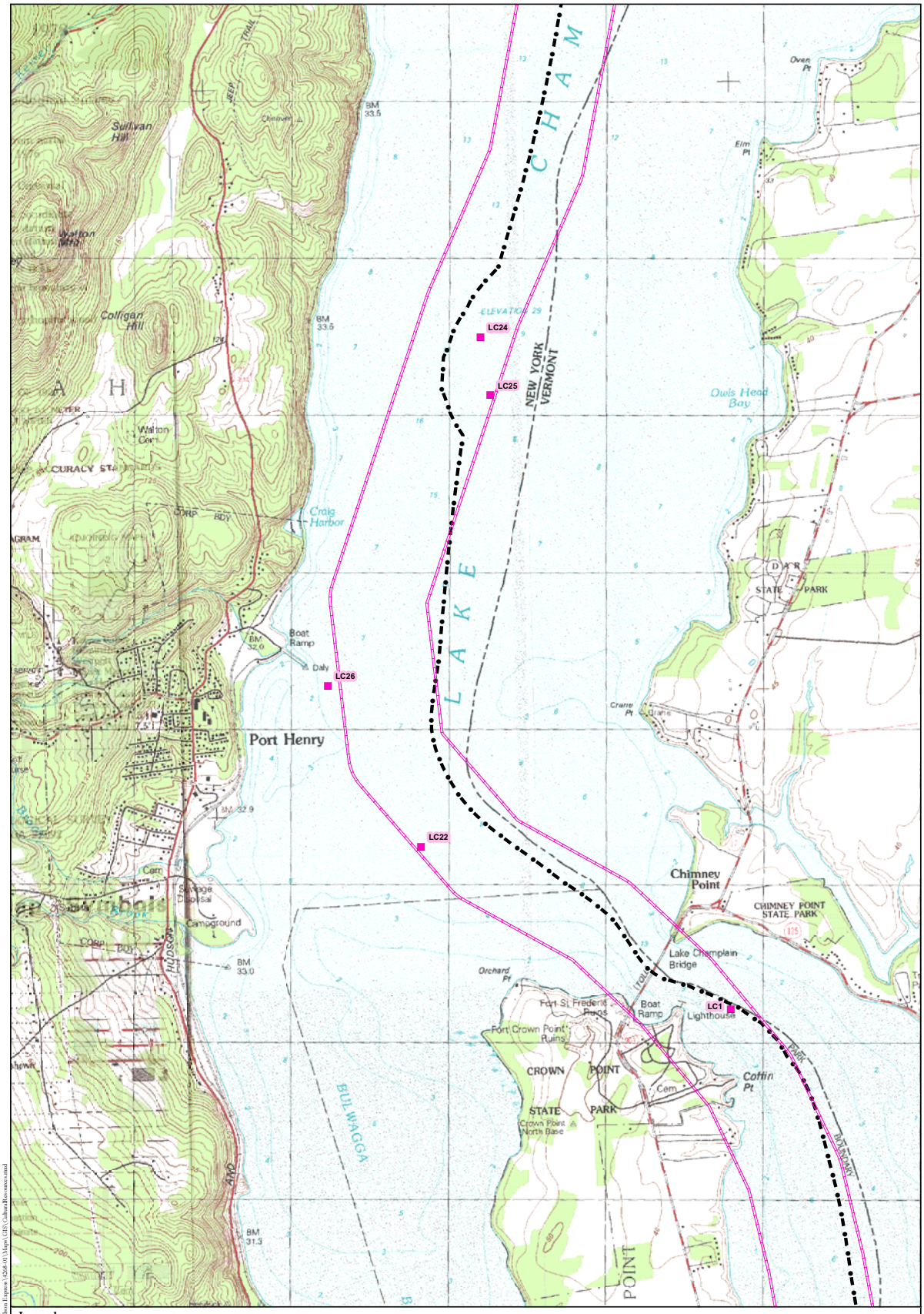
Note: Contour interval is 10 feet.

Underwater Resource Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 15 c

DS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268.01\Maps\GIS\CulturalResources.mxd



Legend

- Lake Champlain Maritime Museum (LC) Site
- LC## LC Site ID (See Appendix 3)
- Underwater Site or Anomaly
- U## Underwater Site or Anomaly ID (See Appendix 3)
- Proposed Alignment
- Overland Study Area
- LCMM Shipwreck Survey Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

Note: Contour interval is 10 feet.

Underwater Resource Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 16 c

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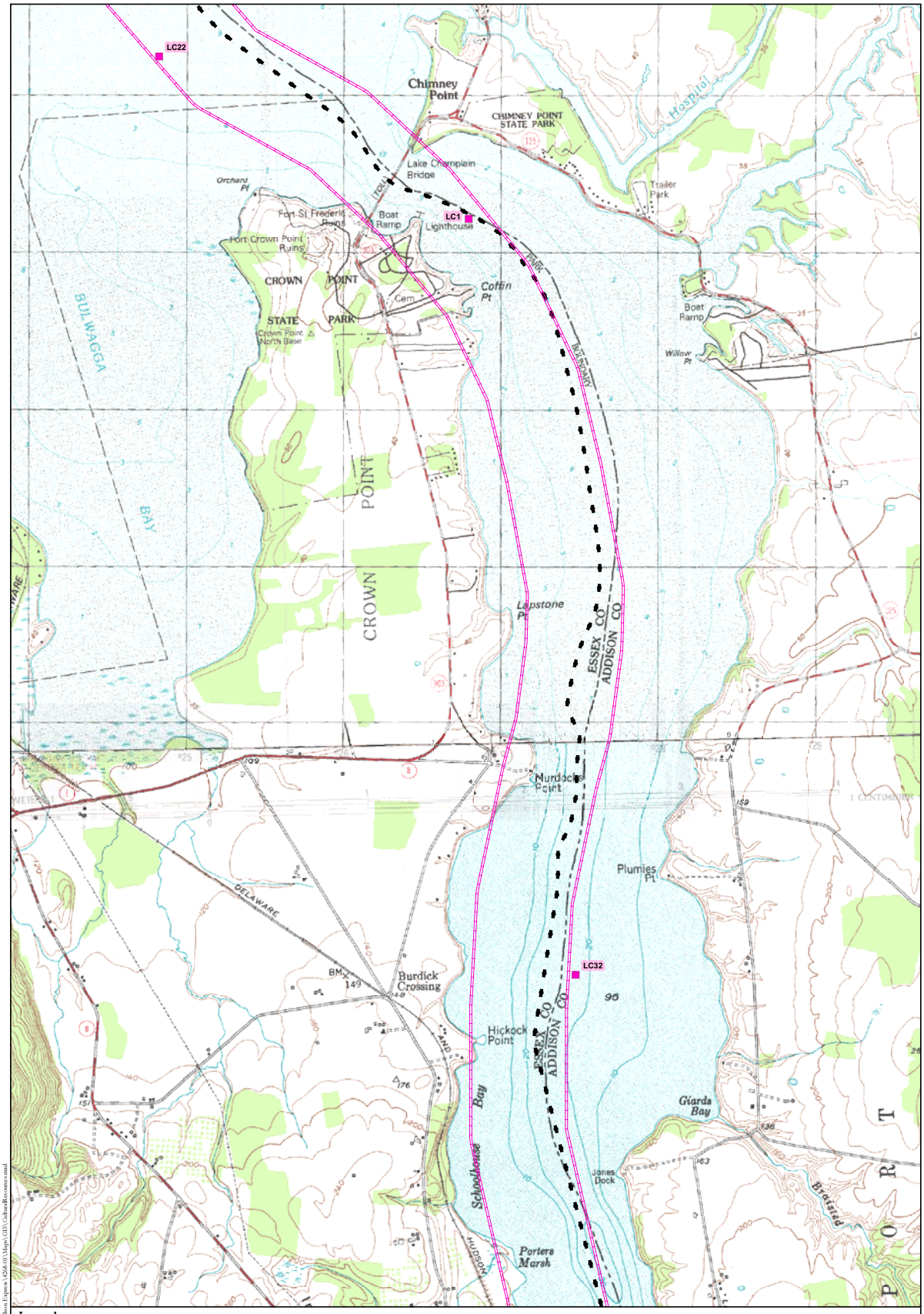


Legend

- Lake Champlain Maritime Museum (LC) Site
- LC## LC Site ID (See Appendix 3)
- Underwater Site or Anomaly
- U## Underwater Site or Anomaly ID (See Appendix 3)
- Proposed Alignment
- Overland Study Area
- LCMM Shipwreck Survey Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

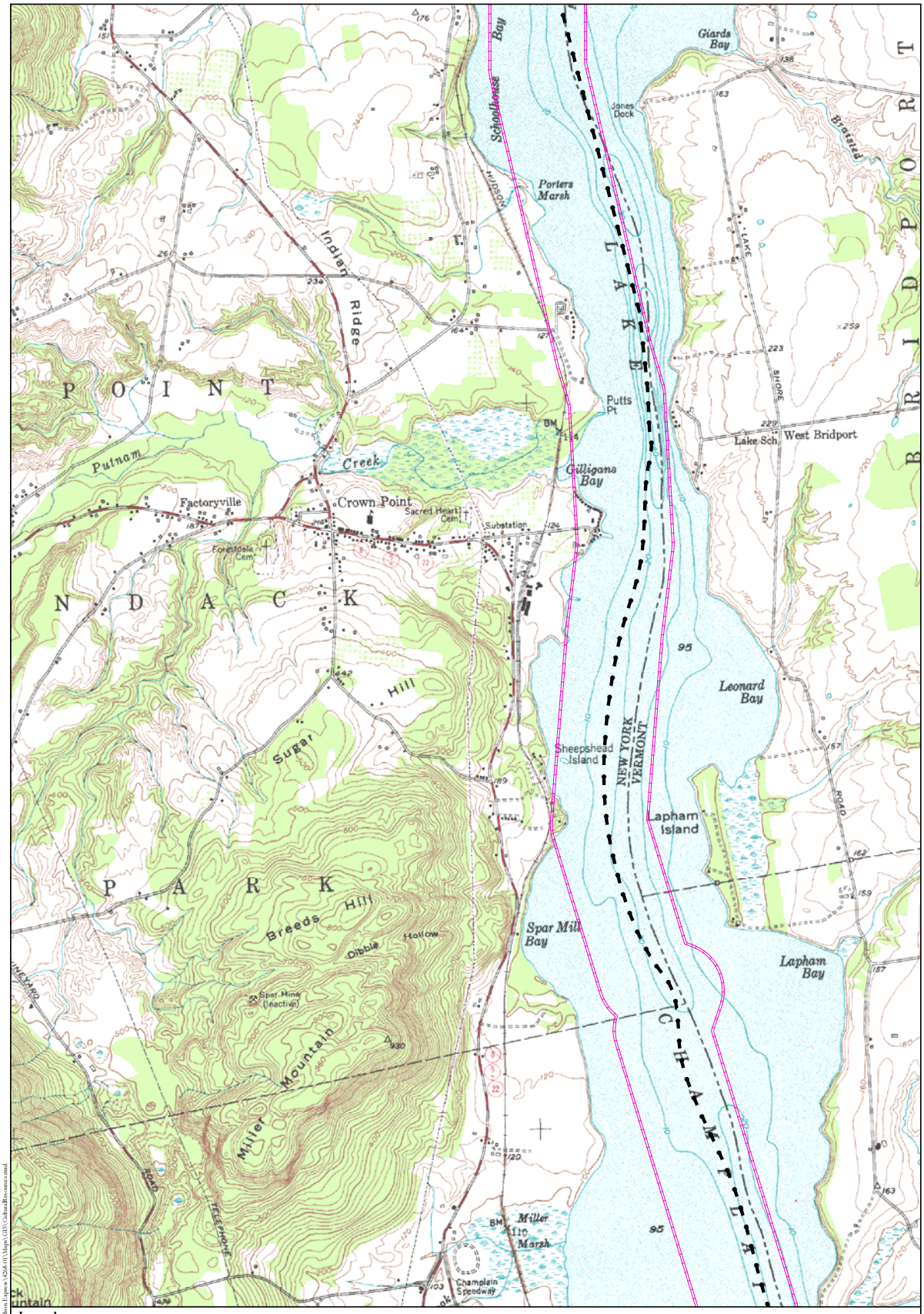
Note: Contour interval is 10 feet.

Underwater Resource Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 17 c

DS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268-01\Maps\GIS\CulturalResources.mxd



Legend

- Lake Champlain Maritime Museum (LC) Site
- LC## LC Site ID (See Appendix 3)
- Underwater Site or Anomaly
- U## Underwater Site or Anomaly ID (See Appendix 3)
- Proposed Alignment
- Overland Study Area
- LCMM Shipwreck Survey Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

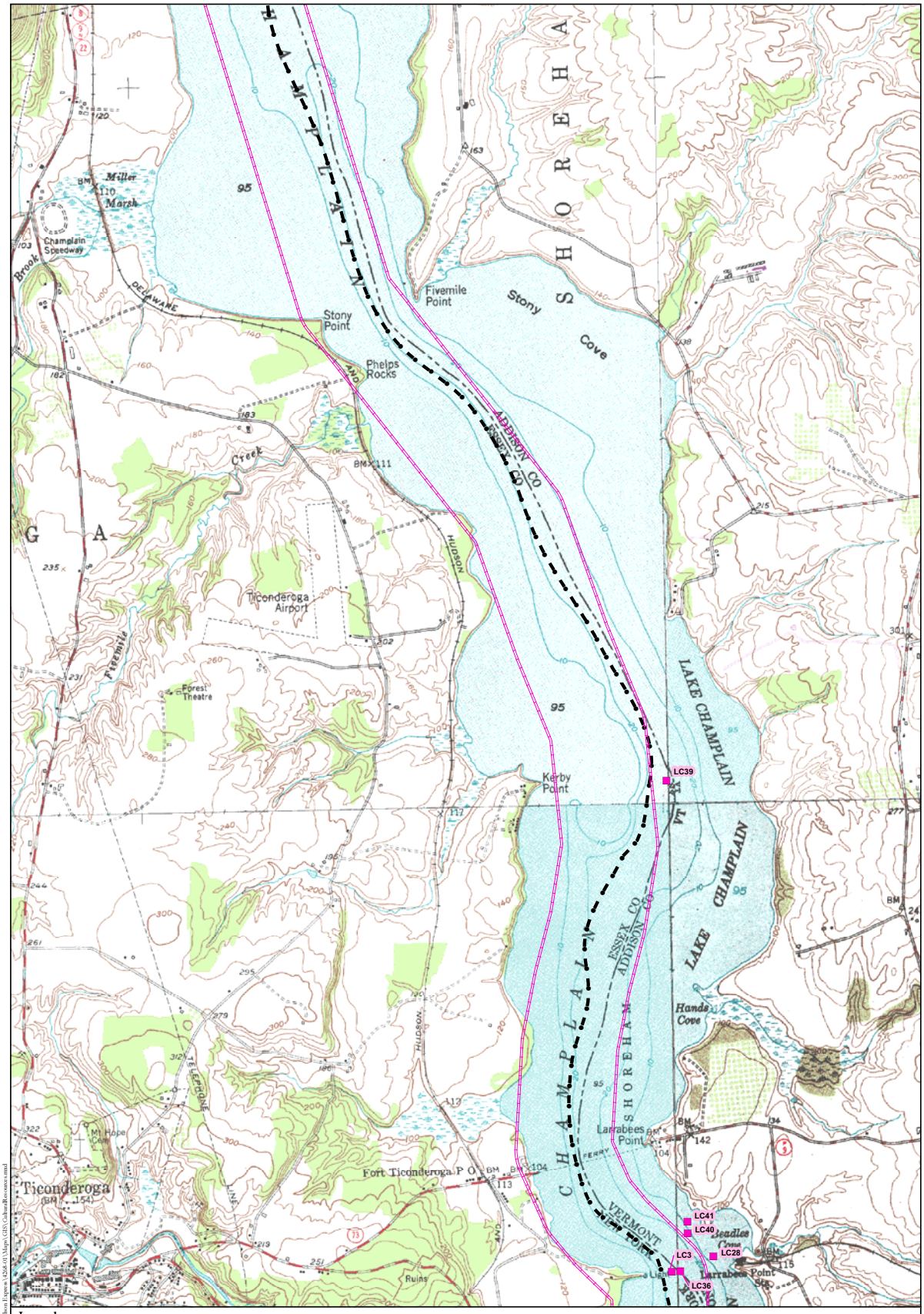
Note: Contour interval is 10 feet.

Underwater Resource Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 18 c

DS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268-01\Maps\GIS\CulturalResources.mxd



Legend

- Lake Champlain Maritime Museum (LC) Site
- LC## LC Site ID (See Appendix 3)
- Underwater Site or Anomaly
- U## Underwater Site or Anomaly ID (See Appendix 3)
- Proposed Alignment
- Overland Study Area
- LCMM Shipwreck Survey Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

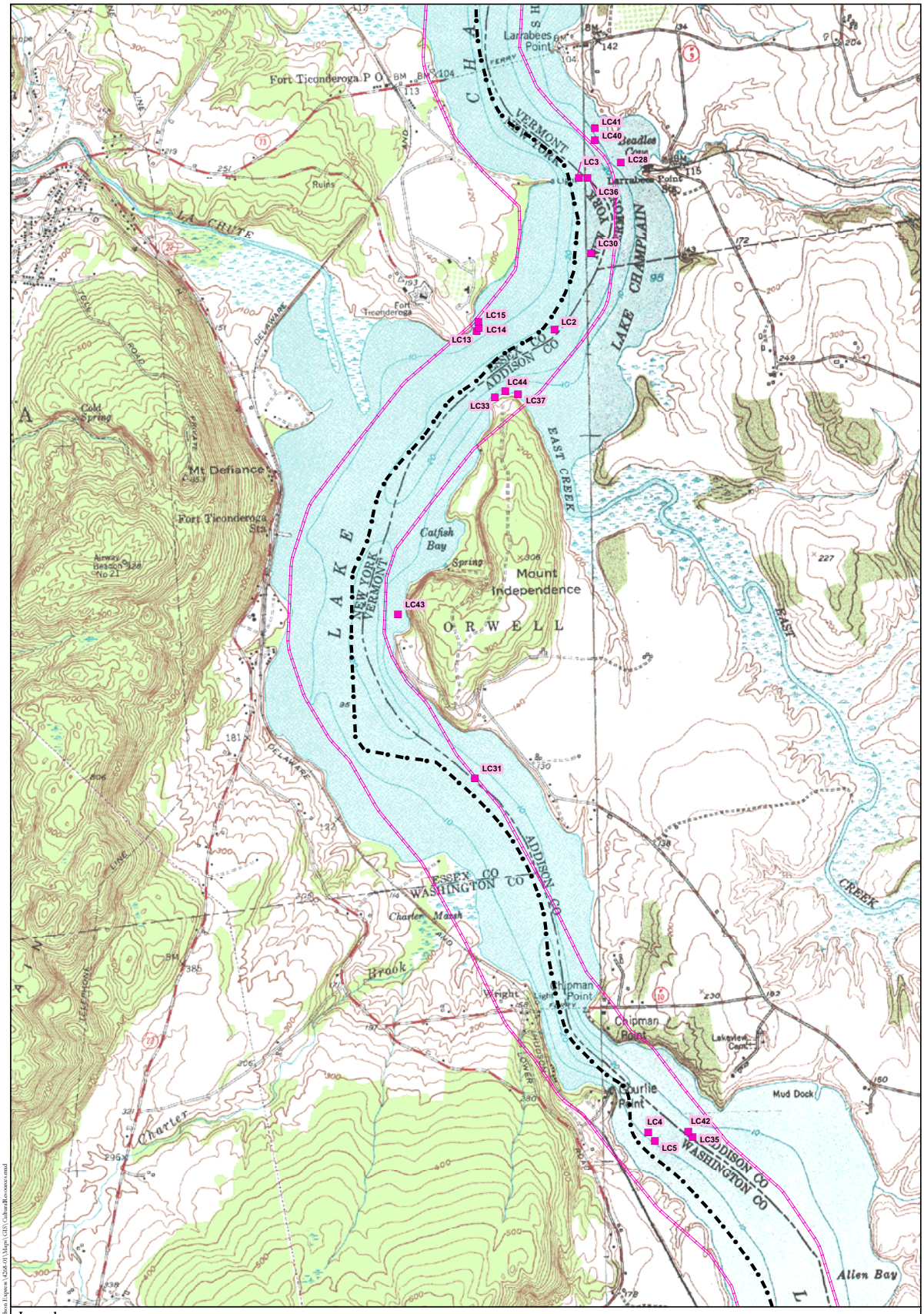
Note: Contour interval is 10 feet.

Underwater Resource Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 19 c

DS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268.01\Maps\GIS\CulturalResources.mxd



Legend

- Lake Champlain Maritime Museum (LC) Site
- LC## LC Site ID (See Appendix 3)
- Underwater Site or Anomaly
- U## Underwater Site or Anomaly ID (See Appendix 3)
- Proposed Alignment
- Overland Study Area
- LCMM Shipwreck Survey Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

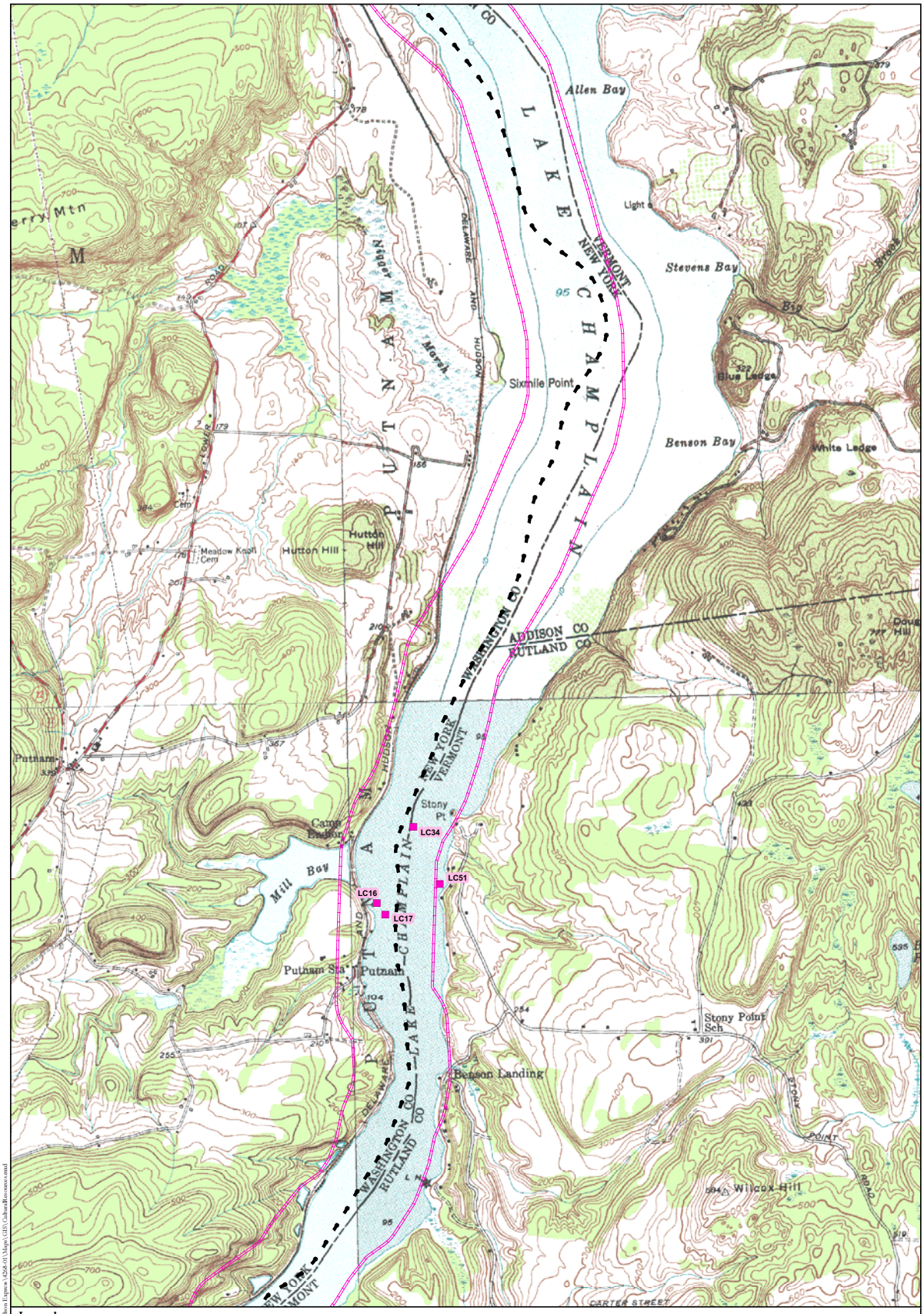
Note: Contour interval is 10 feet.

Underwater Resource Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 20 c

DS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268-01\Maps\GIS\CulturalResources.mxd



Legend

- Lake Champlain Maritime Museum (LC) Site
- LC## LC Site ID (See Appendix 3)
- Underwater Site or Anomaly
- U## Underwater Site or Anomaly ID (See Appendix 3)
- Proposed Alignment
- Overland Study Area
- LCMM Shipwreck Survey Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

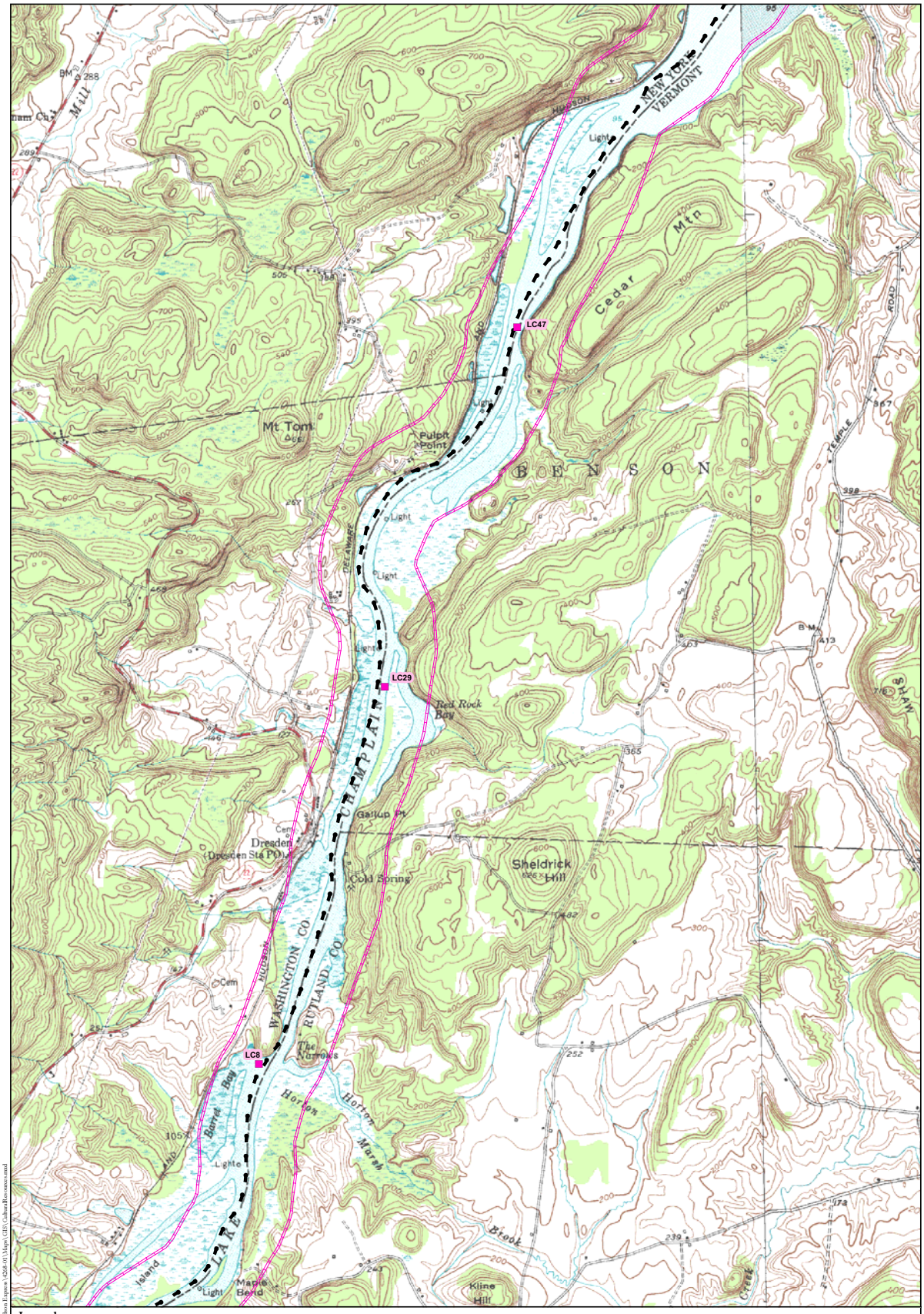
Note: Contour interval is 10 feet.

Underwater Resource Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 21 c

JS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268-01\Maps\GIS\CulturalResources.mxd



Legend

- Lake Champlain Maritime Museum (LC) Site
- LC## LC Site ID (See Appendix 3)
- Underwater Site or Anomaly
- U## Underwater Site or Anomaly ID (See Appendix 3)
- Proposed Alignment
- Overland Study Area
- LCMM Shipwreck Survey Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

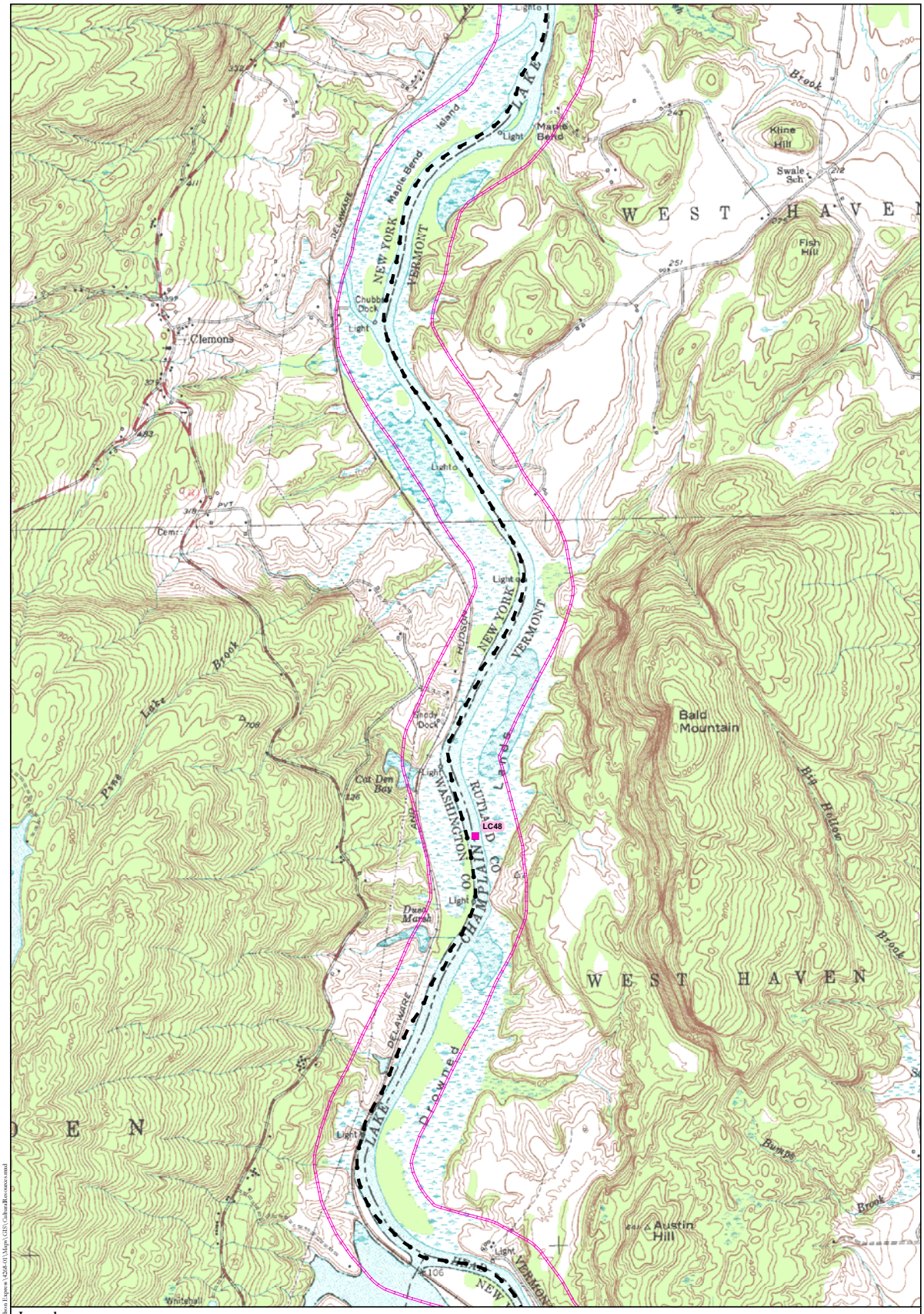
Note: Contour interval is 10 feet.

Underwater Resource Locations
(HAA, Inc. 2010)

HARTGEN
archeological associates inc

Map 22 c

JS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268.01\Maps\GIS\CulturalResources.mxd



Legend

- Lake Champlain Maritime Museum (LC) Site
- LC## LC Site ID (See Appendix 3)
- Underwater Site or Anomaly
- U## Underwater Site or Anomaly ID (See Appendix 3)
- Proposed Alignment
- Overland Study Area
- LCMM Shipwreck Survey Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

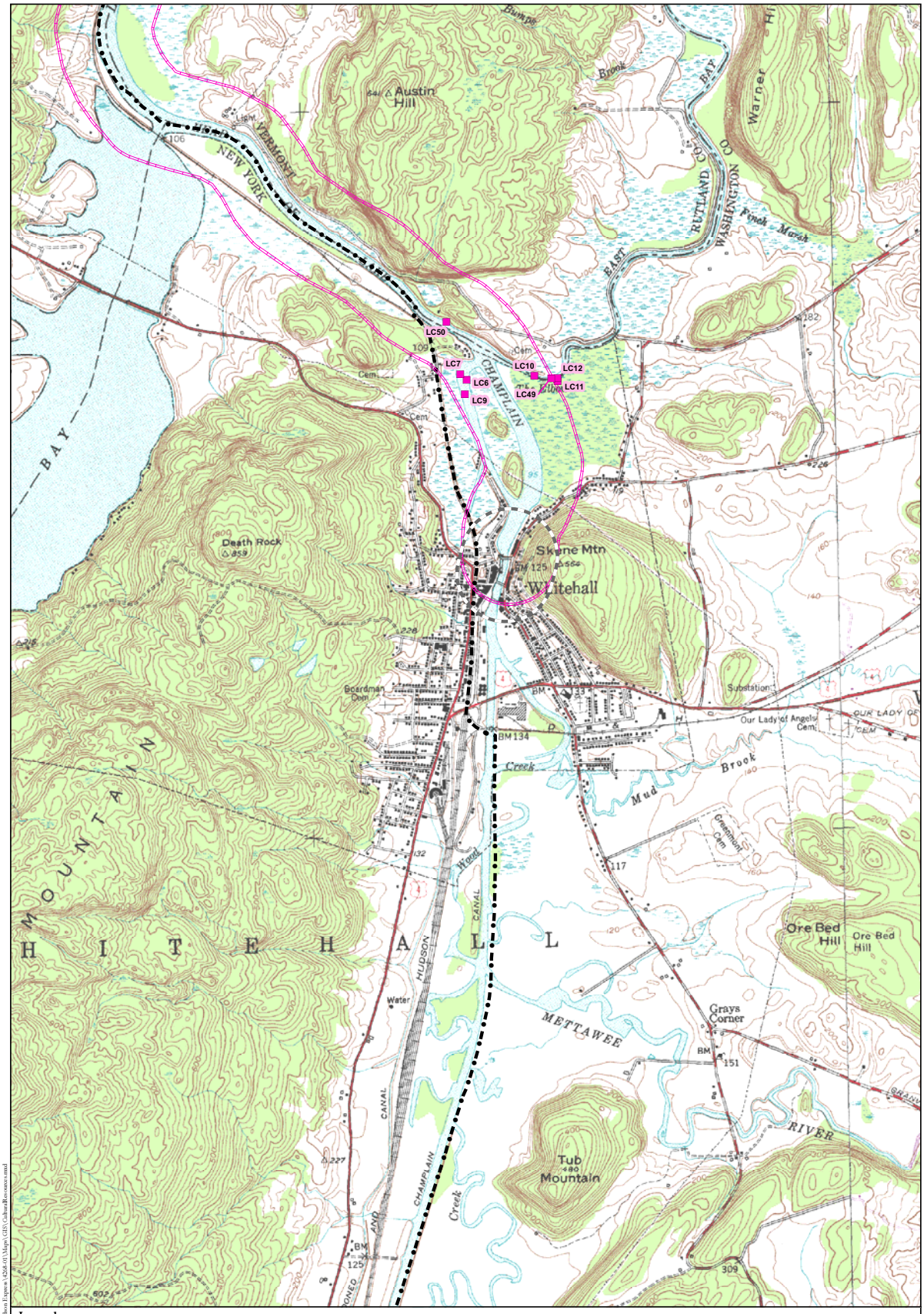
Note: Contour interval is 10 feet.

Underwater Resource Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 23 c

DS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268-01\Maps\GIS\CulturalResources.mxd



Legend

- Lake Champlain Maritime Museum (LC) Site
- LC## LC Site ID (See Appendix 3)
- Underwater Site or Anomaly
- U## Underwater Site or Anomaly ID (See Appendix 3)
- Proposed Alignment
- Overland Study Area
- LCMM Shipwreck Survey Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

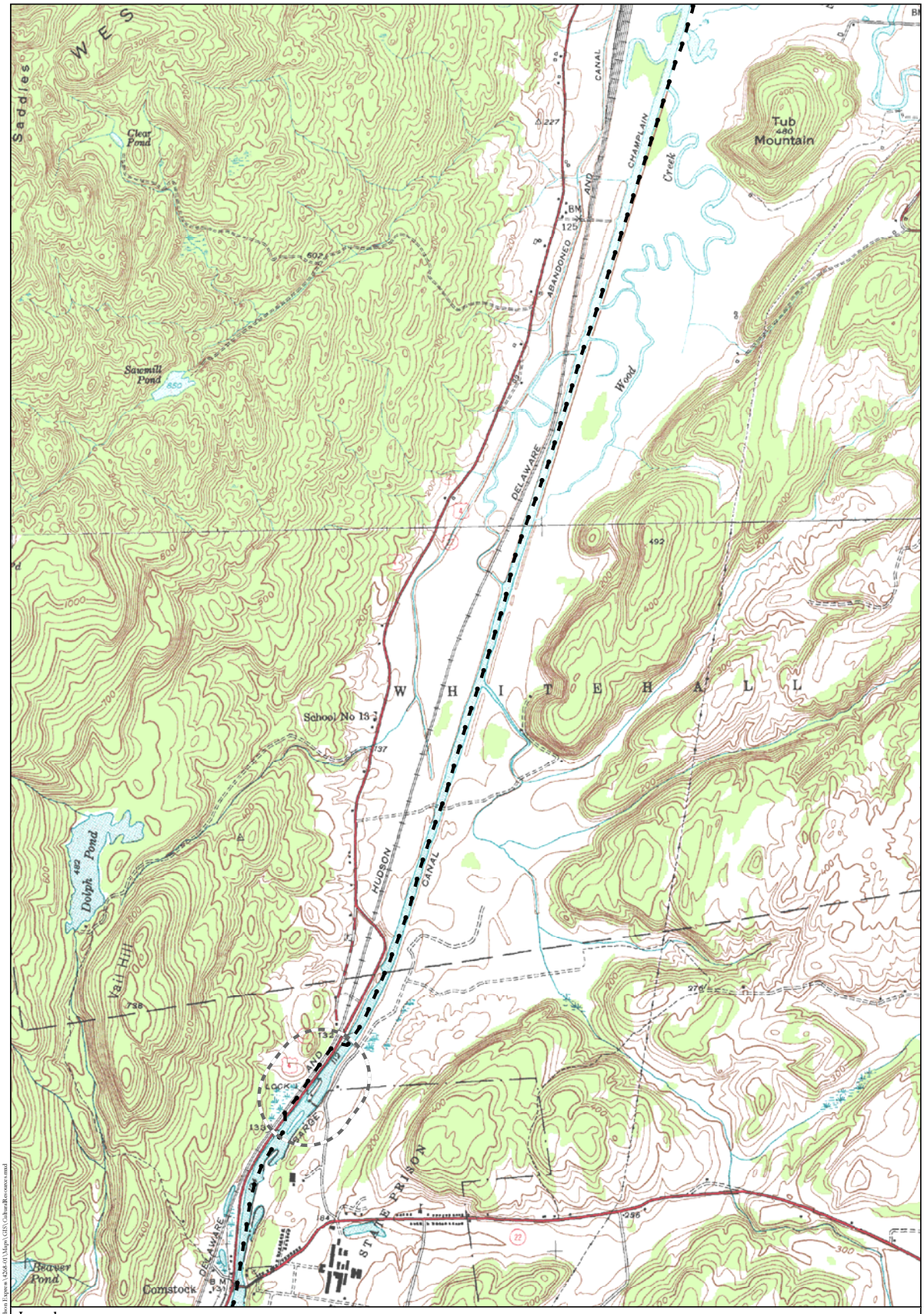
Note: Contour interval is 10 feet.

Underwater Resource Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 24 c

DS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268-01\Maps\GIS\CulturalResources.mxd



Legend

- Lake Champlain Maritime Museum (LC) Site
- LC## LC Site ID (See Appendix 3)
- Underwater Site or Anomaly
- U## Underwater Site or Anomaly ID (See Appendix 3)
- Proposed Alignment
- Overland Study Area
- LCMM Shipwreck Survey Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

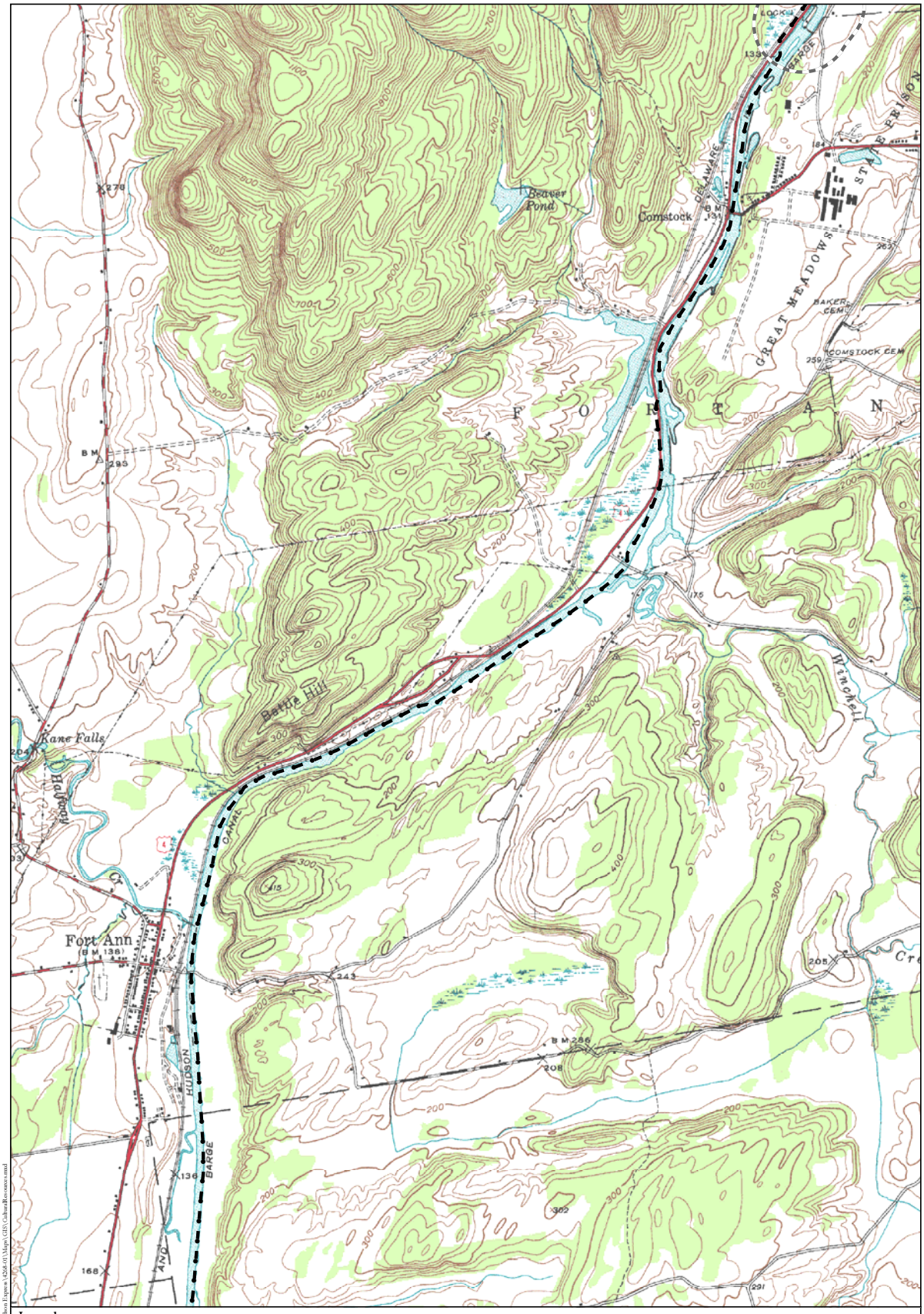
Note: Contour interval is 10 feet.

Underwater Resource Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 25 c

JS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268.01\Maps\GIS\CulturalResources.mxd



Legend

- Lake Champlain Maritime Museum (LC) Site
- LC## LC Site ID (See Appendix 3)
- Underwater Site or Anomaly
- U## Underwater Site or Anomaly ID (See Appendix 3)
- Proposed Alignment
- Overland Study Area
- LCMM Shipwreck Survey Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

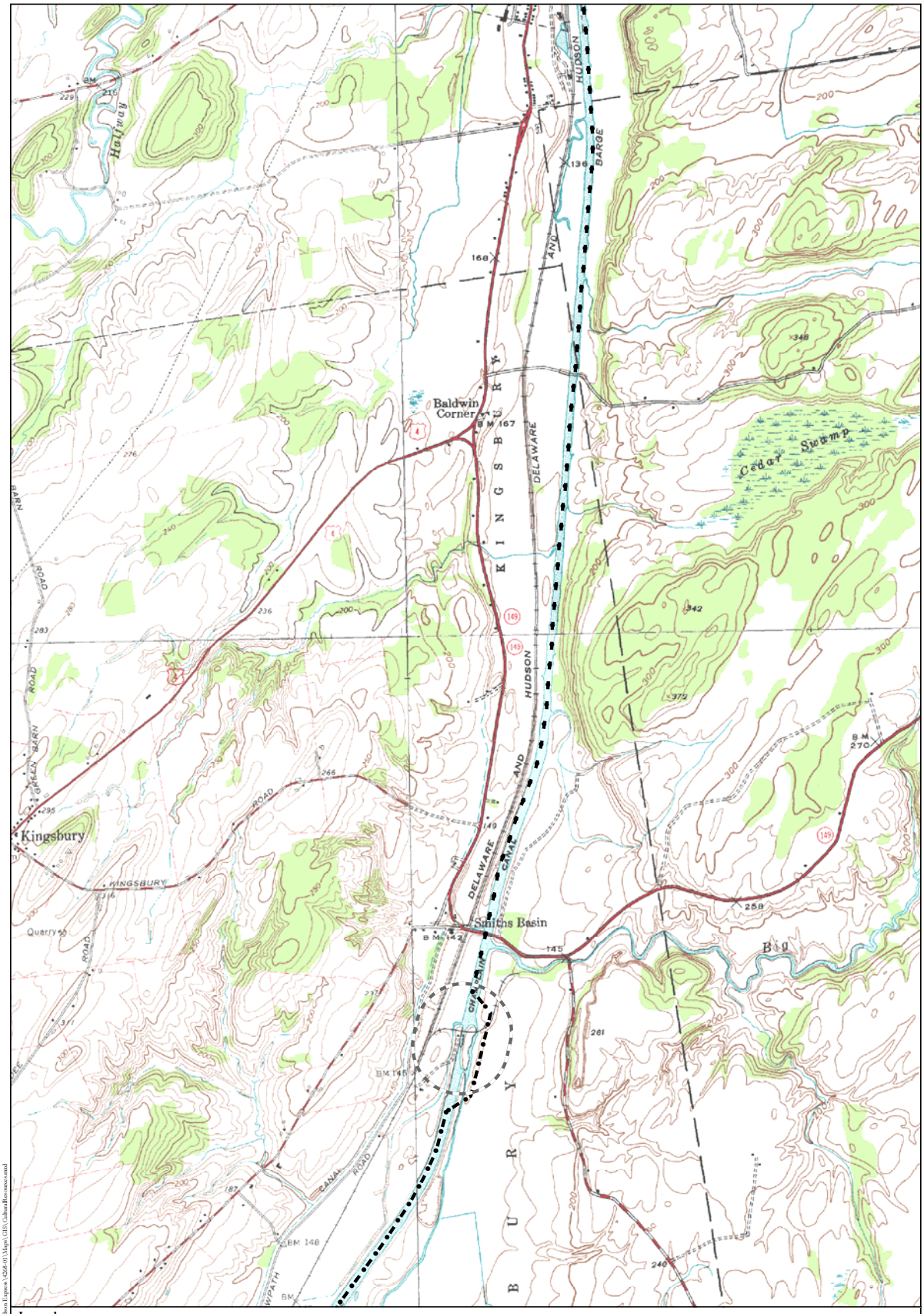
Note: Contour interval is 10 feet.

Underwater Resource Locations
(HAA, Inc. 2010)

HARTGEN
archeological associates inc

Map 26 c

ES February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268.01\Maps\GIS\CulturalResources.mxd



Legend

- Lake Champlain Maritime Museum (LC) Site
- LC## LC Site ID (See Appendix 3)
- Underwater Site or Anomaly
- U## Underwater Site or Anomaly ID (See Appendix 3)
- Proposed Alignment
- Overland Study Area
- LCMM Shipwreck Survey Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

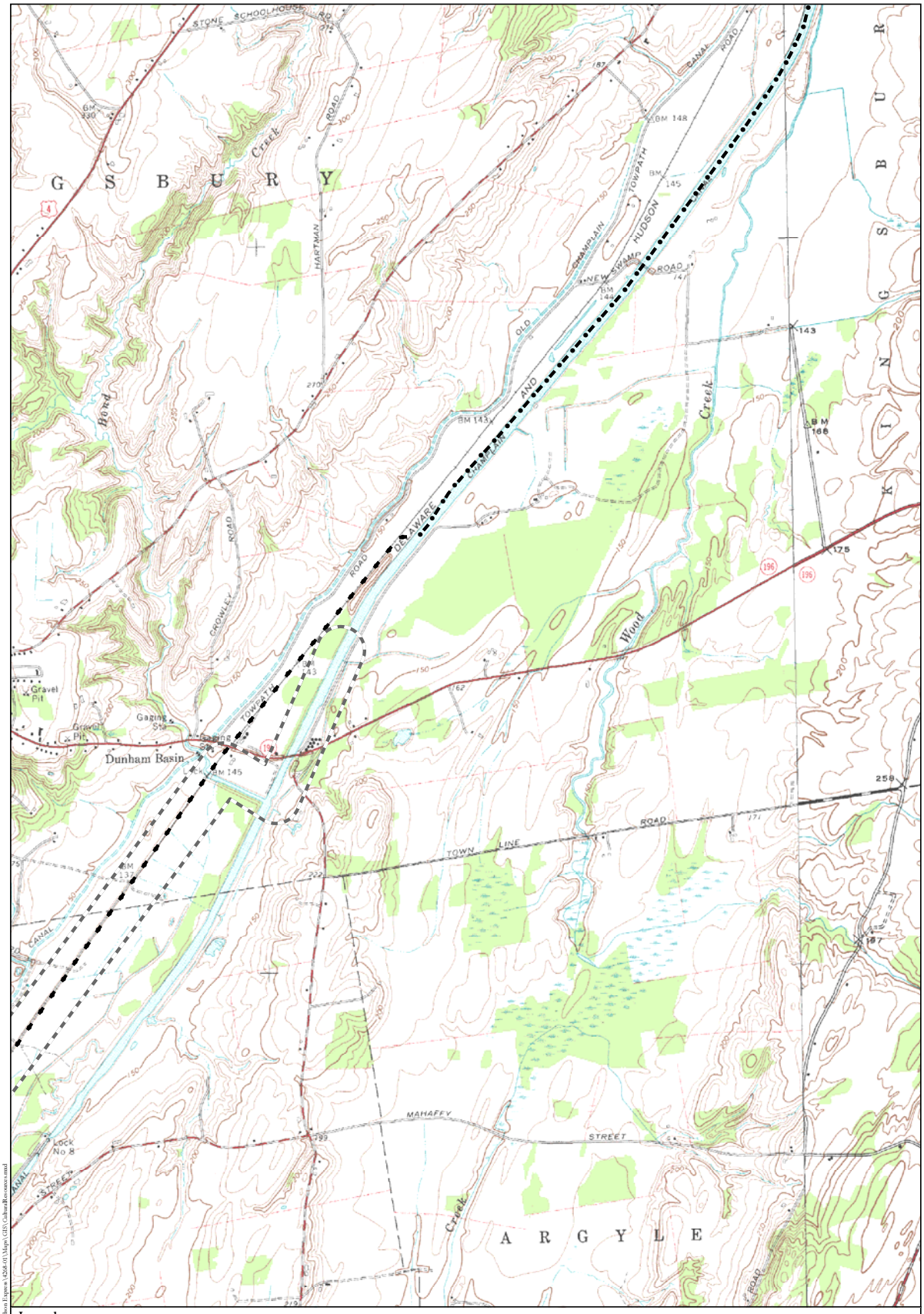
Note: Contour interval is 10 feet.

Underwater Resource Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 27 c

JS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268-01\Maps\GIS\CulturalResources.mxd



Legend

- Lake Champlain Maritime Museum (LC) Site
- LC## LC Site ID (See Appendix 3)
- Underwater Site or Anomaly
- U## Underwater Site or Anomaly ID (See Appendix 3)
- Proposed Alignment
- Overland Study Area
- LCMM Shipwreck Survey Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

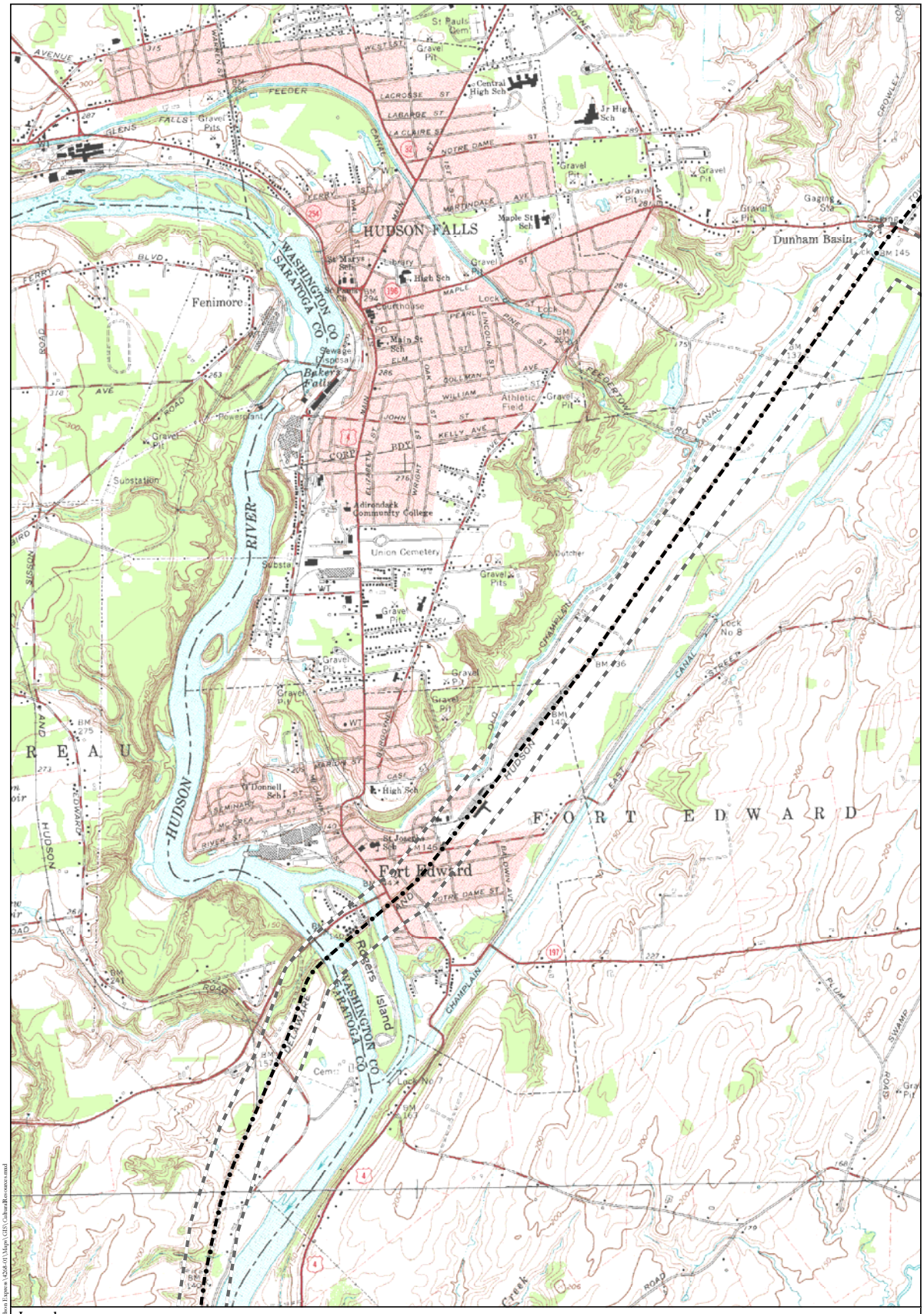
Note: Contour interval is 10 feet.

Underwater Resource Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 28 c

DS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268-01\Maps\GIS\CulturalResources.mxd



Legend

- Lake Champlain Maritime Museum (LC) Site
- LC## LC Site ID (See Appendix 3)
- Underwater Site or Anomaly
- U## Underwater Site or Anomaly ID (See Appendix 3)
- Proposed Alignment
- Overland Study Area
- LCMM Shipwreck Survey Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

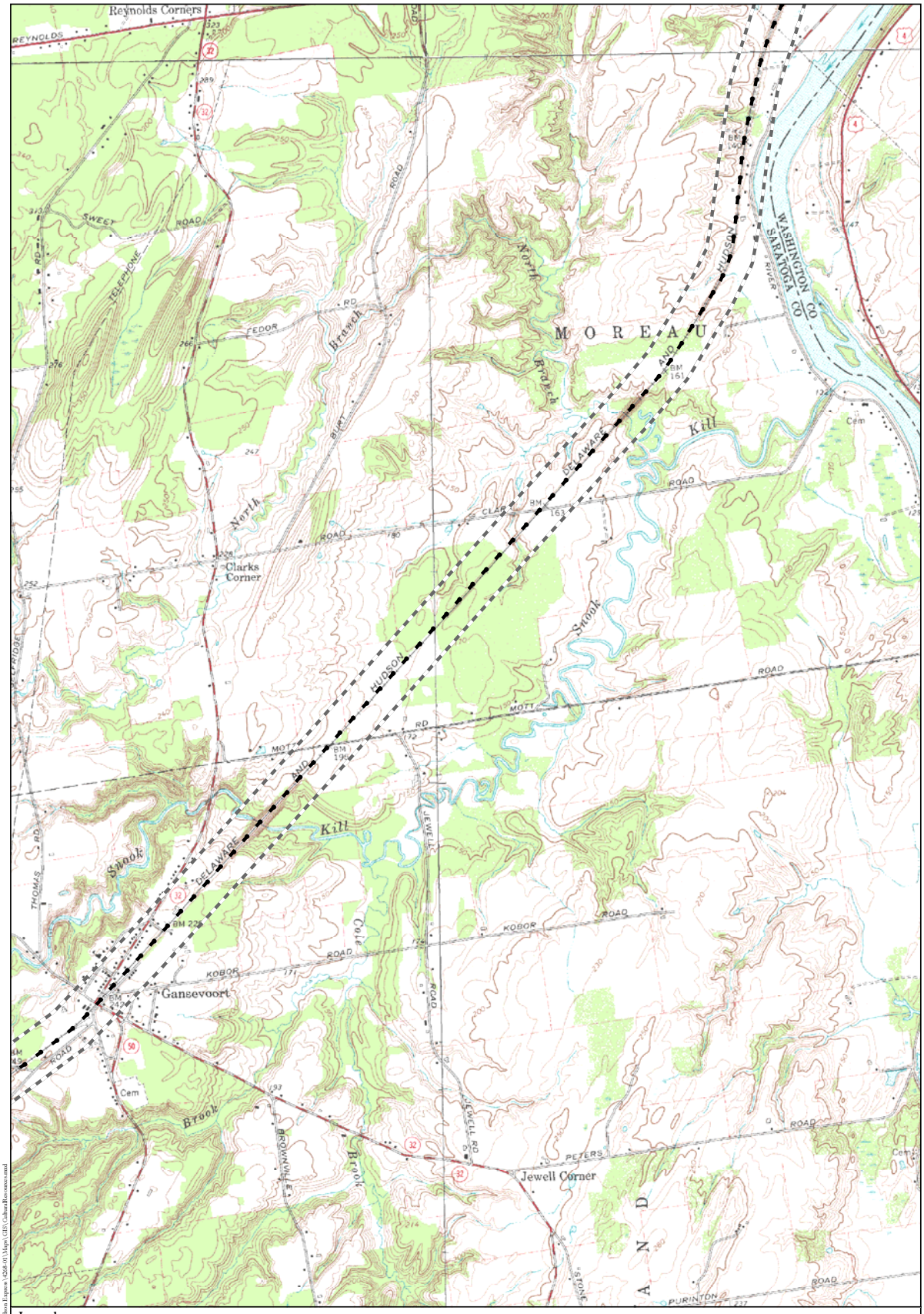
Note: Contour interval is 10 feet.

Underwater Resource Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 29 c

JS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268-01\Maps\GIS\CulturalResources.mxd



Legend

- Lake Champlain Maritime Museum (LC) Site
- LC## LC Site ID (See Appendix 3)
- Underwater Site or Anomaly
- U## Underwater Site or Anomaly ID (See Appendix 3)
- Proposed Alignment
- Overland Study Area
- LCMM Shipwreck Survey Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

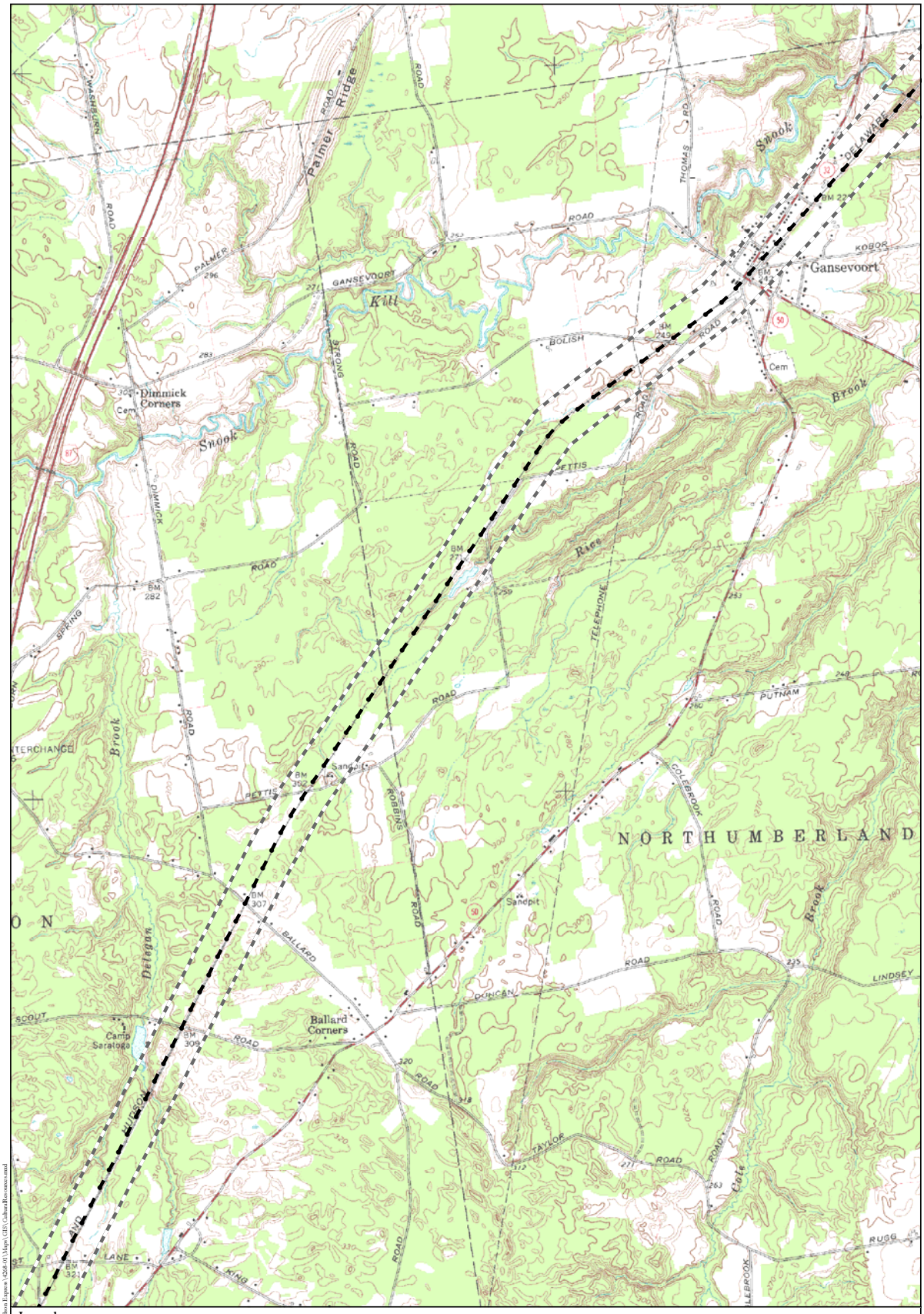
Note: Contour interval is 10 feet.

Underwater Resource Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 30 c

DS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268-01\Maps\GIS\CulturalResources.mxd



Legend

- Lake Champlain Maritime Museum (LC) Site
- LC## LC Site ID (See Appendix 3)
- Underwater Site or Anomaly
- U## Underwater Site or Anomaly ID (See Appendix 3)
- Proposed Alignment
- Overland Study Area
- LCMM Shipwreck Survey Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

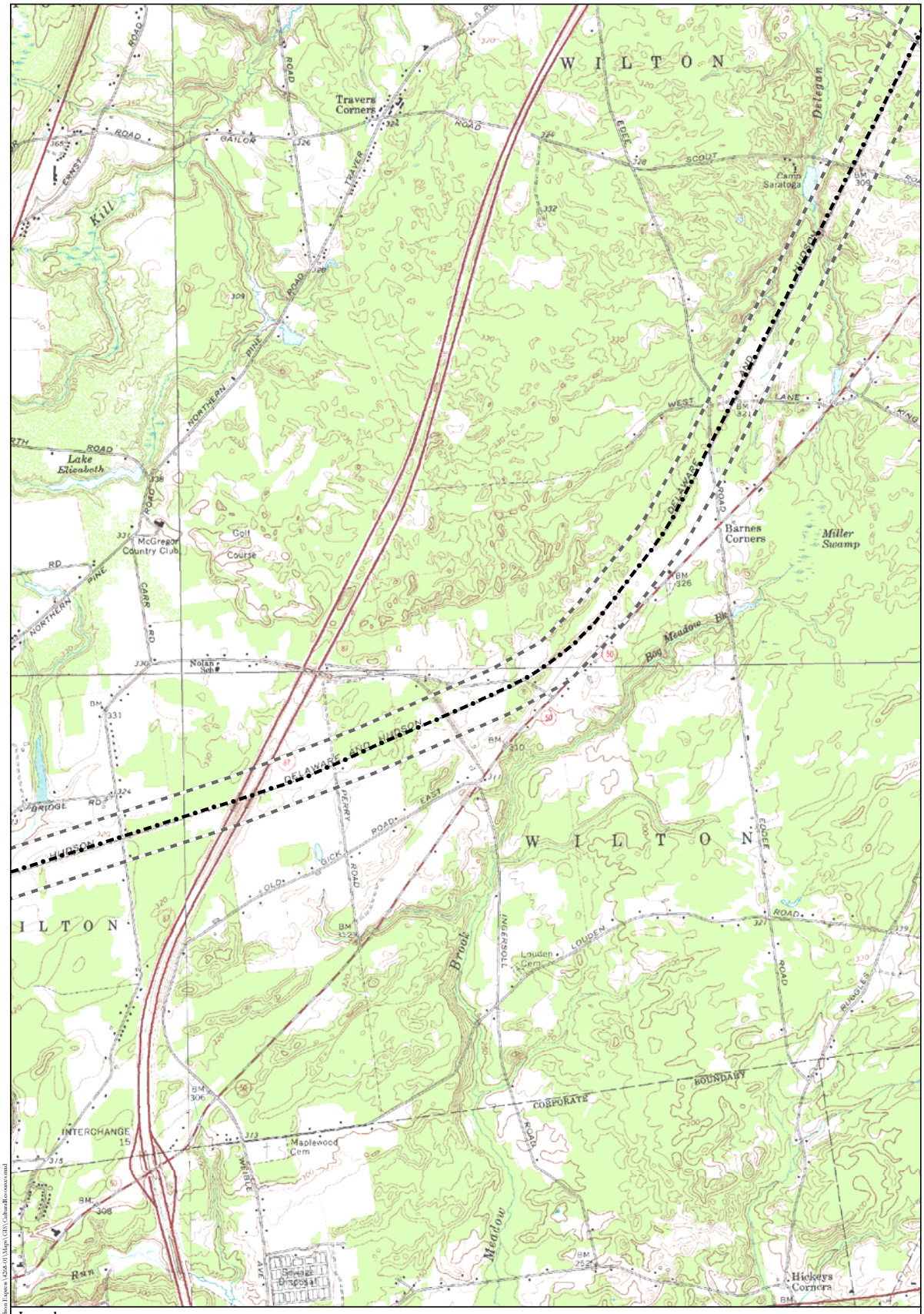
Note: Contour interval is 10 feet.

Underwater Resource Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 31 c

DS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268-01\Maps\GIS\CulturalResources.mxd



Legend

- Lake Champlain Maritime Museum (LC) Site
- LC## LC Site ID (See Appendix 3)
- Underwater Site or Anomaly
- U## Underwater Site or Anomaly ID (See Appendix 3)
- Proposed Alignment
- Overland Study Area
- LCMM Shipwreck Survey Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

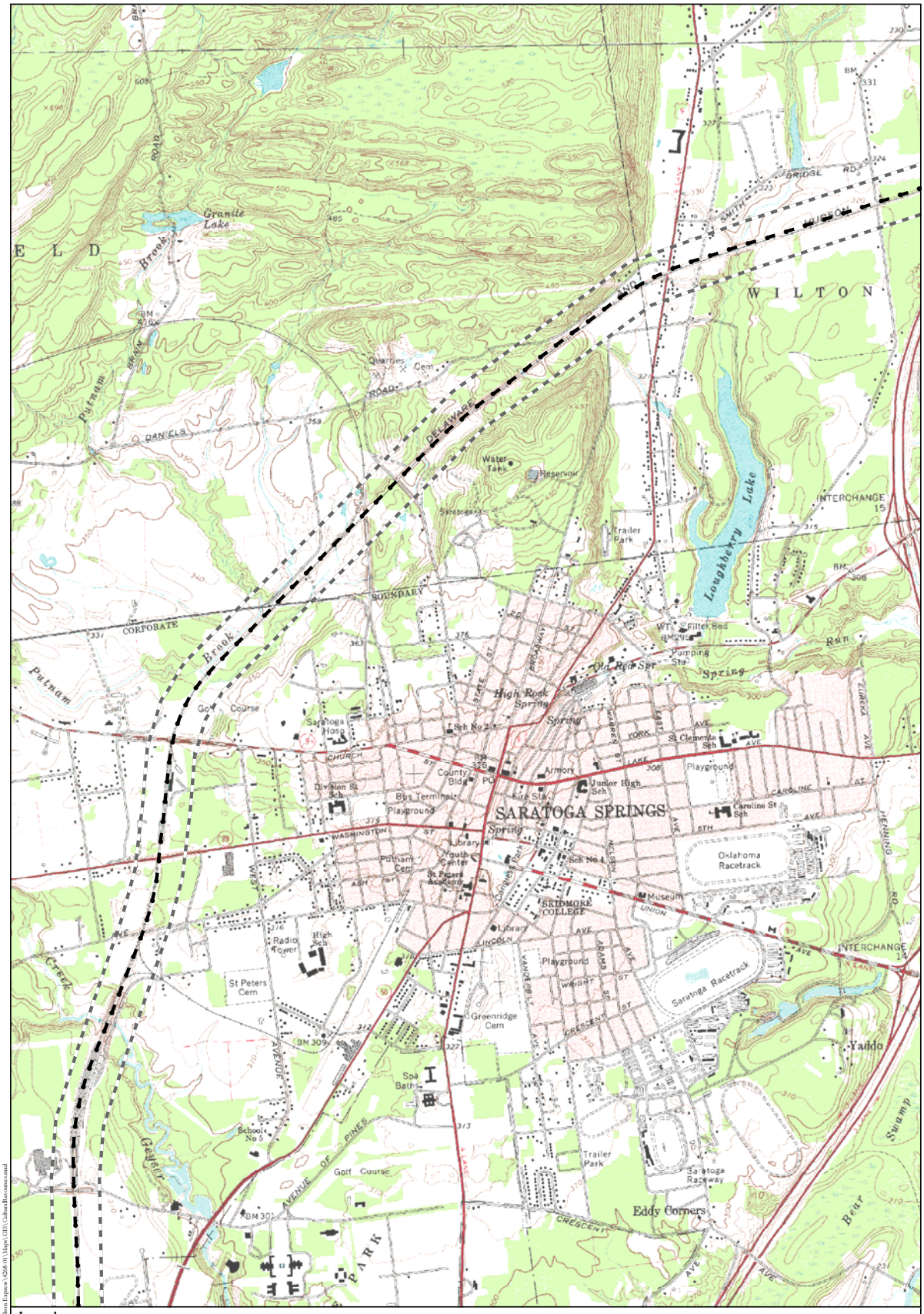
Note: Contour interval is 10 feet.

Underwater Resource Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 32 c

JS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268-01\Maps\GIS\CulturalResources.mxd



Legend

- Lake Champlain Maritime Museum (LC) Site
- LC## LC Site ID (See Appendix 3)
- Underwater Site or Anomaly
- U## Underwater Site or Anomaly ID (See Appendix 3)
- Proposed Alignment
- Overland Study Area
- LCMM Shipwreck Survey Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

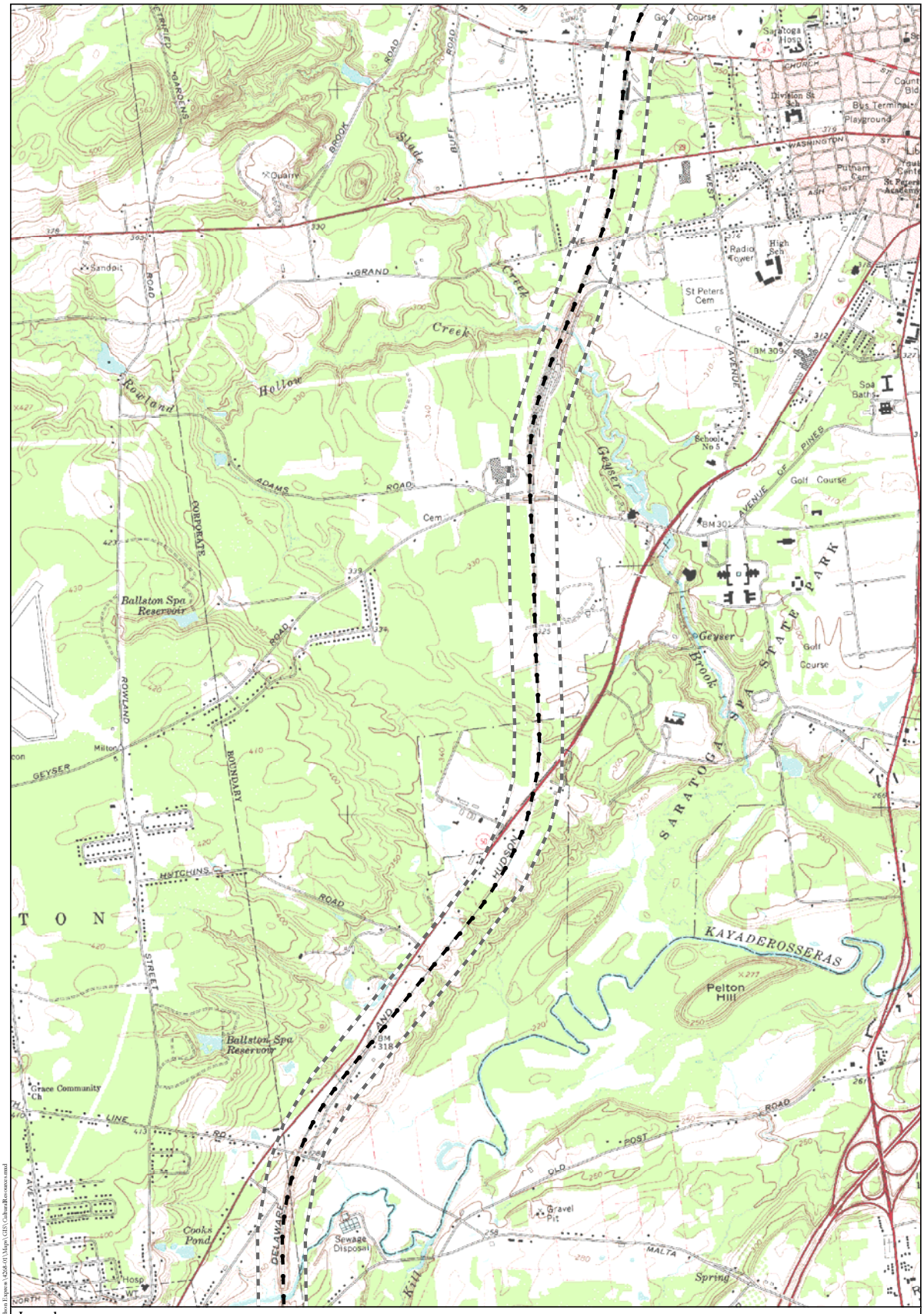
Note: Contour interval is 10 feet.

Underwater Resource Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 33 c

JS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268-01\Maps\GIS\CulturalResources.mxd



Legend

- Lake Champlain Maritime Museum (LC) Site
- LC## LC Site ID (See Appendix 3)
- Underwater Site or Anomaly
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- Proposed Alignment
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- LCMM Shipwreck Survey Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

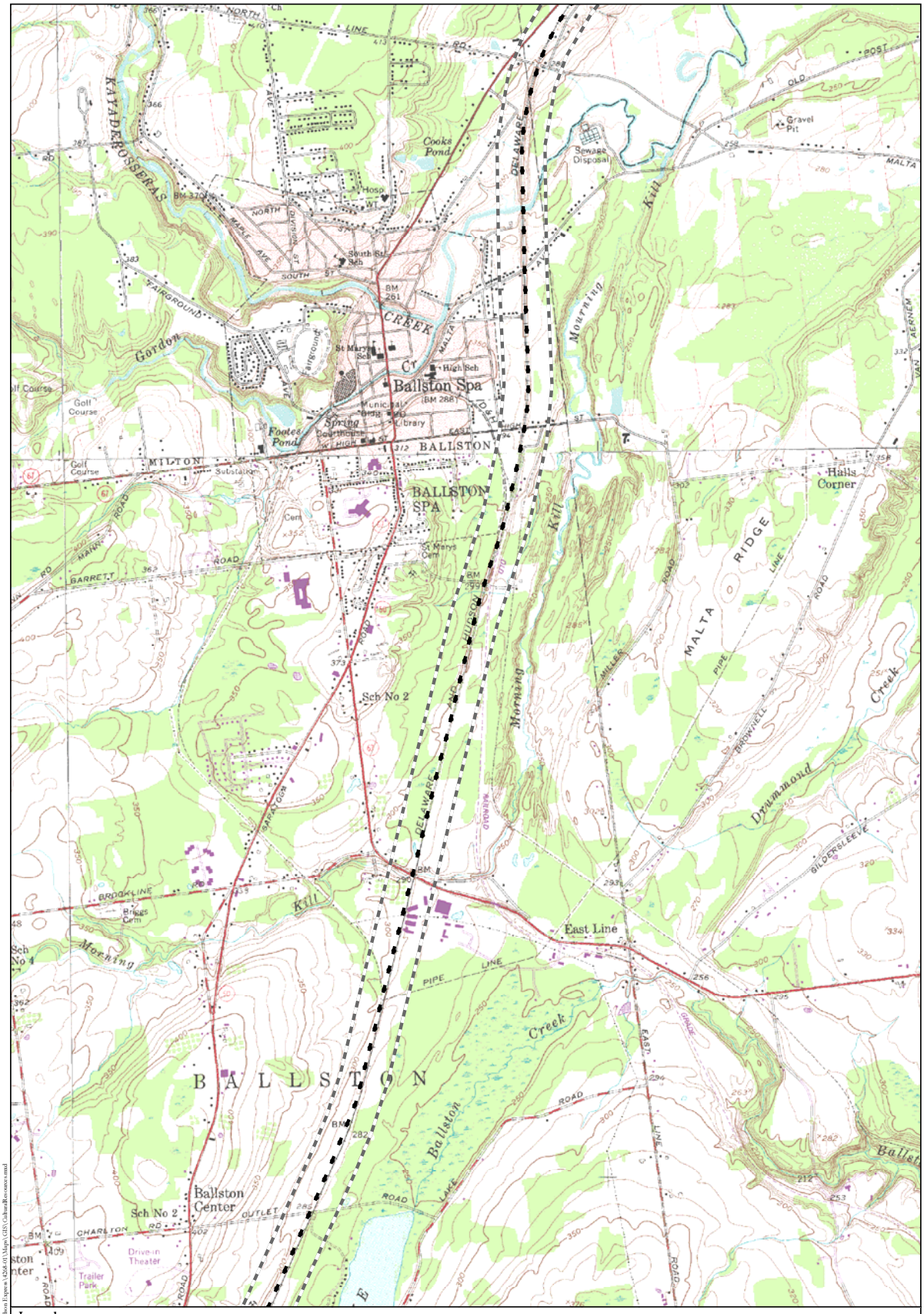
Note: Contour interval is 10 feet.

Underwater Resource Locations
(HAA, Inc. 2010)

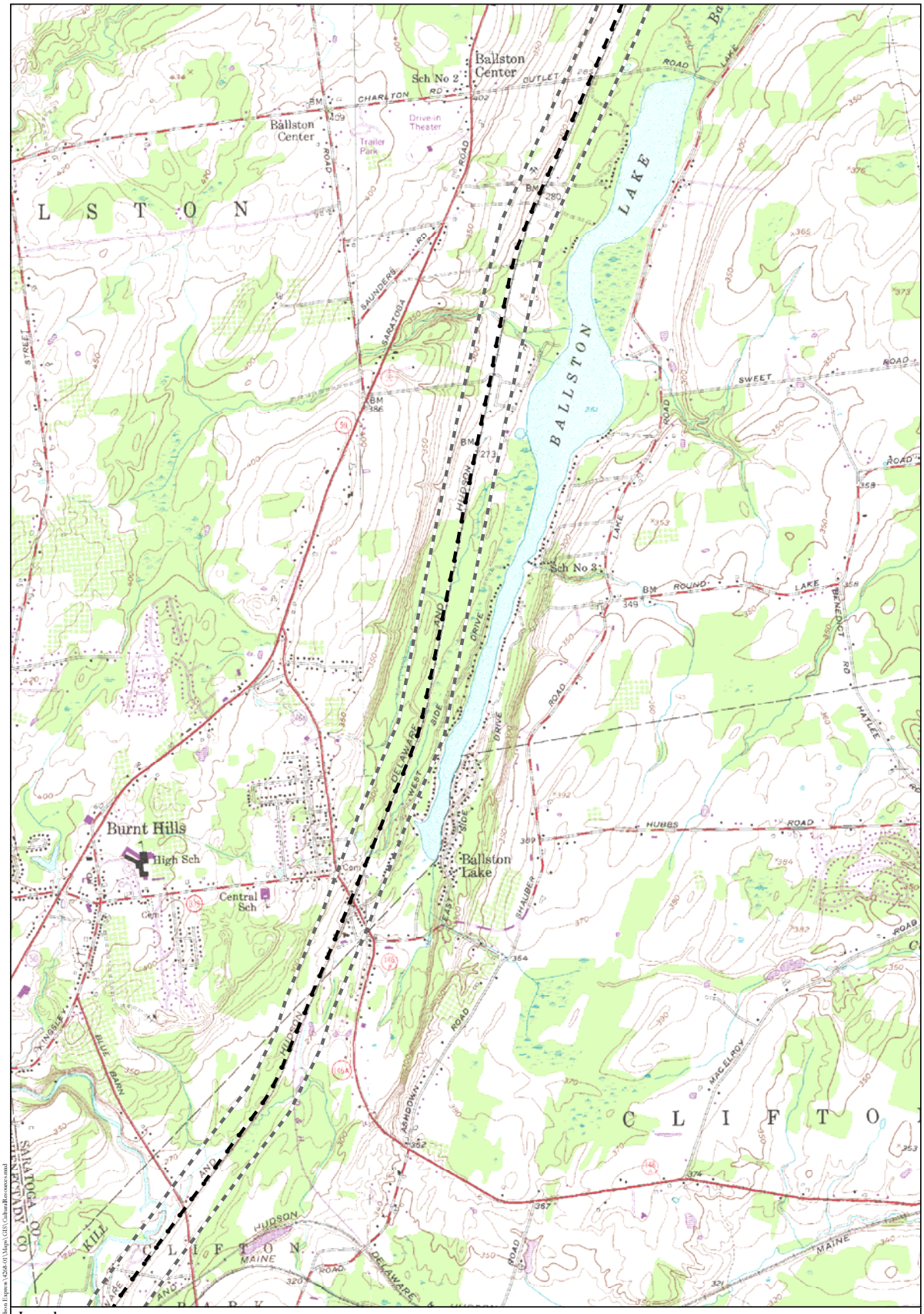
HARTGEN archeological associates inc

Map 34 c

JS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268-01\Maps\GIS\CulturalResources.mxd



DS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268-01\Maps\GIS\CulturalResources.mxd



Legend

- Lake Champlain Maritime Museum (LC) Site
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N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

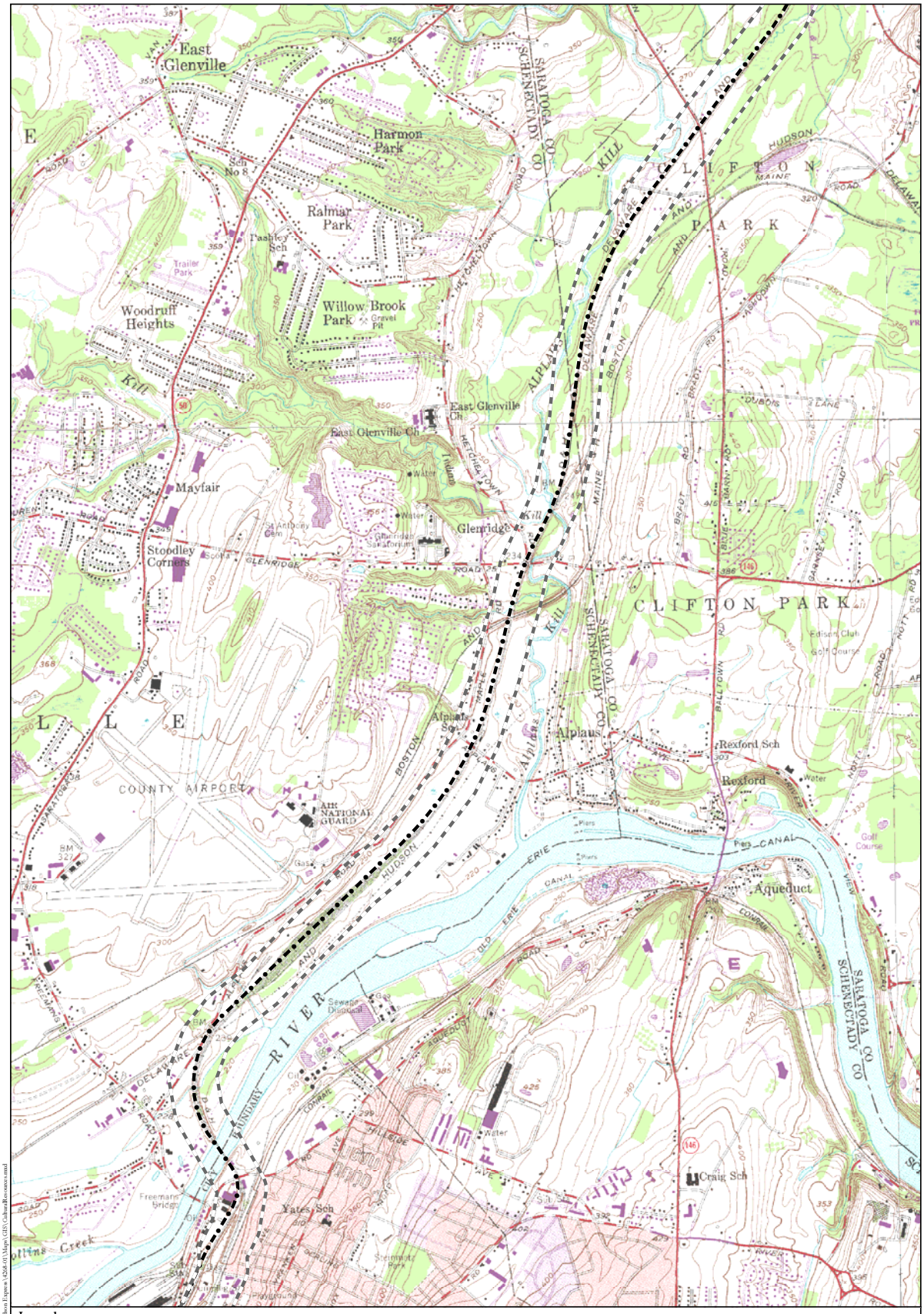
Note: Contour interval is 10 feet.

Underwater Resource Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 36 c

DS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268-01\Maps\GIS\CulturalResources.mxd



Legend

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- LCMM Shipwreck Survey Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

Note: Contour interval is 10 feet.

Underwater Resource Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 37 c

JS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268-01\Maps\GIS\CulturalResources.mxd

Legend

- Lake Champlain Maritime Museum (LC) Site
- LC## LC Site ID (See Appendix 3)
- Underwater Site or Anomaly
- U## Underwater Site or Anomaly ID (See Appendix 3)
- Proposed Alignment
- Overland Study Area
- LCMM Shipwreck Survey Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

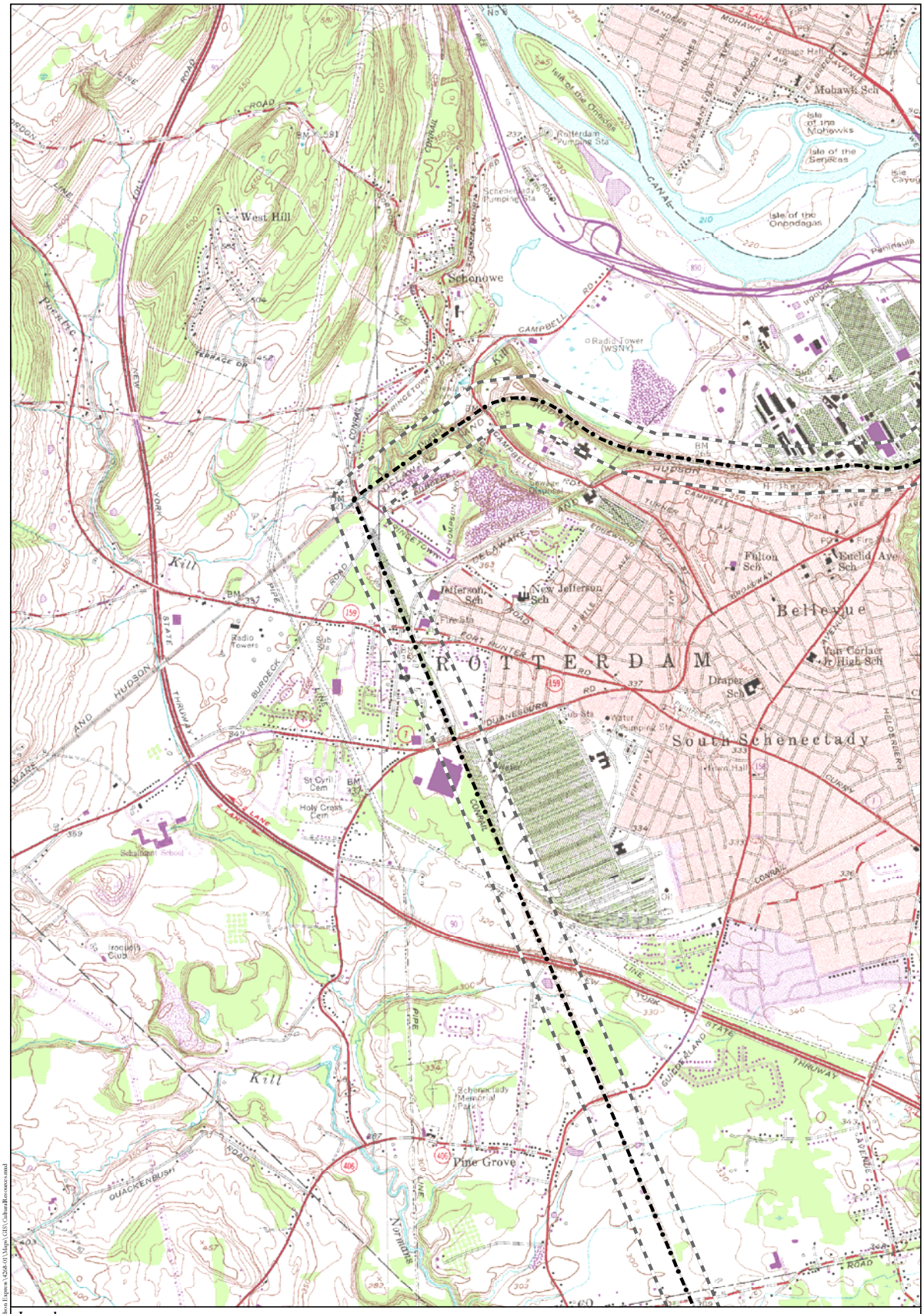
Note: Contour interval is 10 feet.

Underwater Resource Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 38 c

IS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268-01\Maps\GIS\CulturalResources.mxd



Legend

- Lake Champlain Maritime Museum (LC) Site
- LC## LC Site ID (See Appendix 3)
- Underwater Site or Anomaly
- U## Underwater Site or Anomaly ID (See Appendix 3)
- Proposed Alignment
- Overland Study Area
- LCMM Shipwreck Survey Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

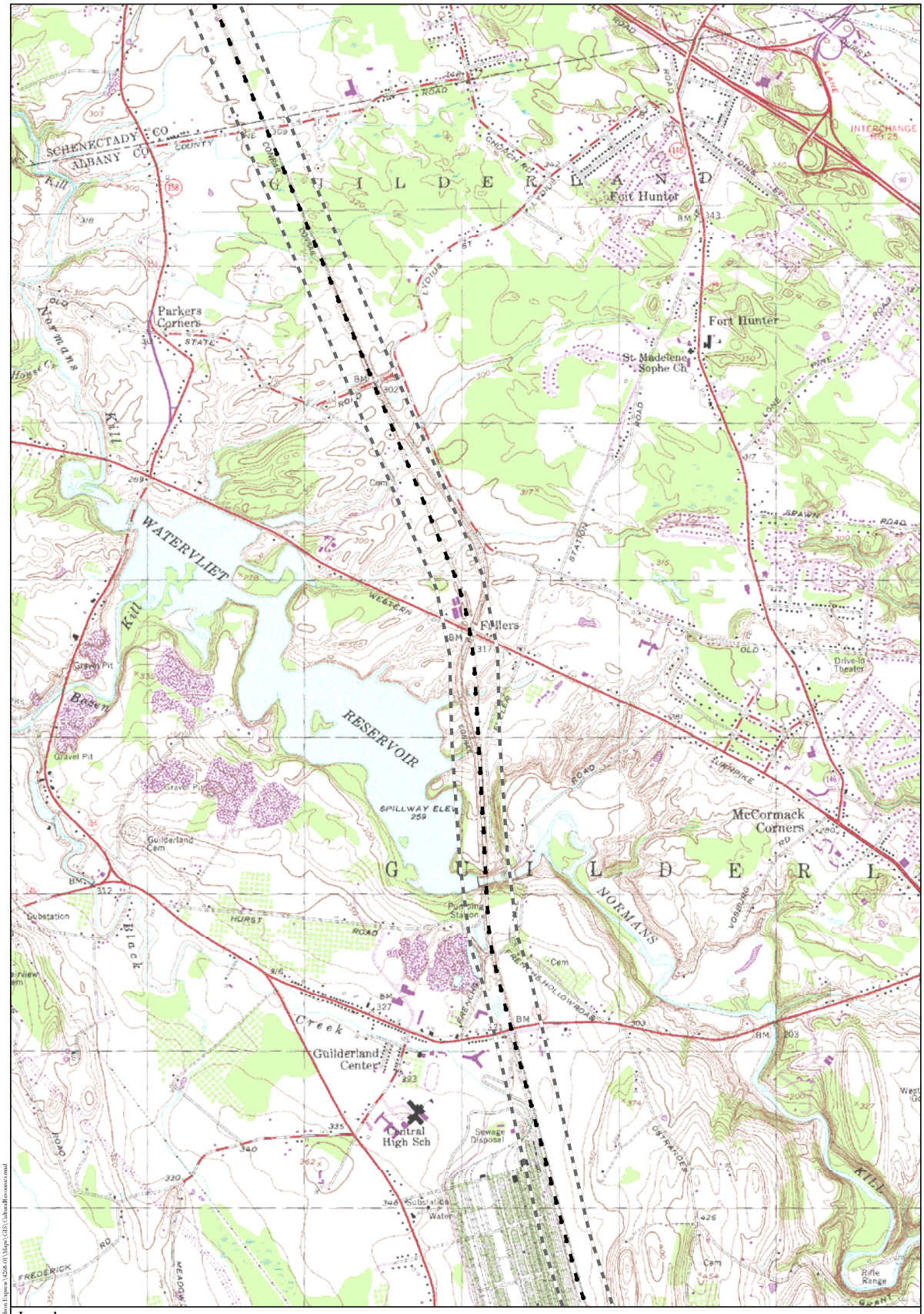
Note: Contour interval is 10 feet.

Underwater Resource Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 39 c

DS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268-01\Maps\GIS\CulturalResources.mxd



Legend

- Lake Champlain Maritime Museum (LC) Site
- LC## LC Site ID (See Appendix 3)
- Underwater Site or Anomaly
- U## Underwater Site or Anomaly ID (See Appendix 3)
- Proposed Alignment
- Overland Study Area
- LCMM Shipwreck Survey Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

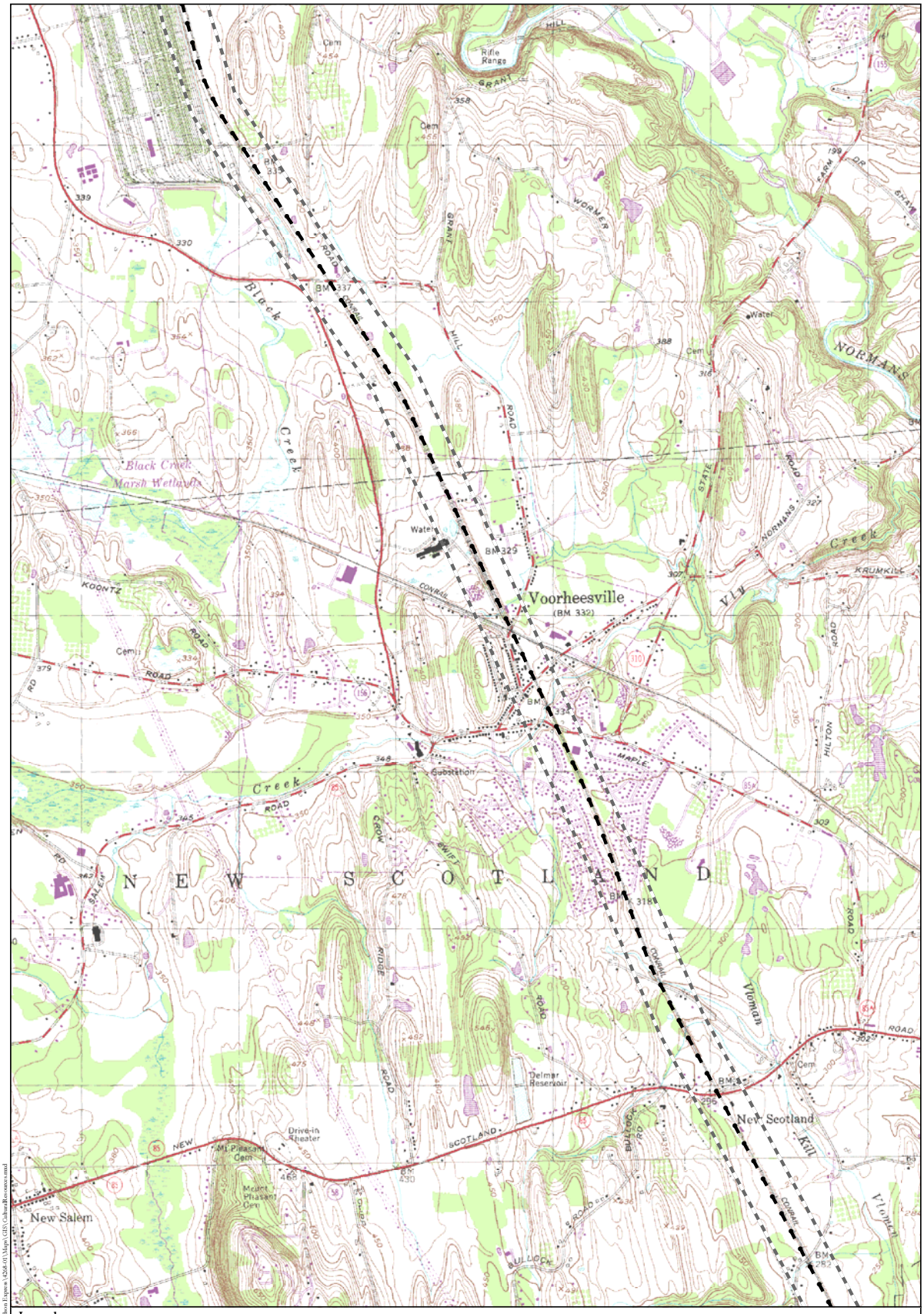
Note: Contour interval is 10 feet.

Underwater Resource Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 40 c

JS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268.01\Maps\GIS\CulturalResources.mxd



Legend

- Lake Champlain Maritime Museum (LC) Site
- LC## LC Site ID (See Appendix 3)
- Underwater Site or Anomaly
- U## Underwater Site or Anomaly ID (See Appendix 3)
- Proposed Alignment
- Overland Study Area
- LCMM Shipwreck Survey Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

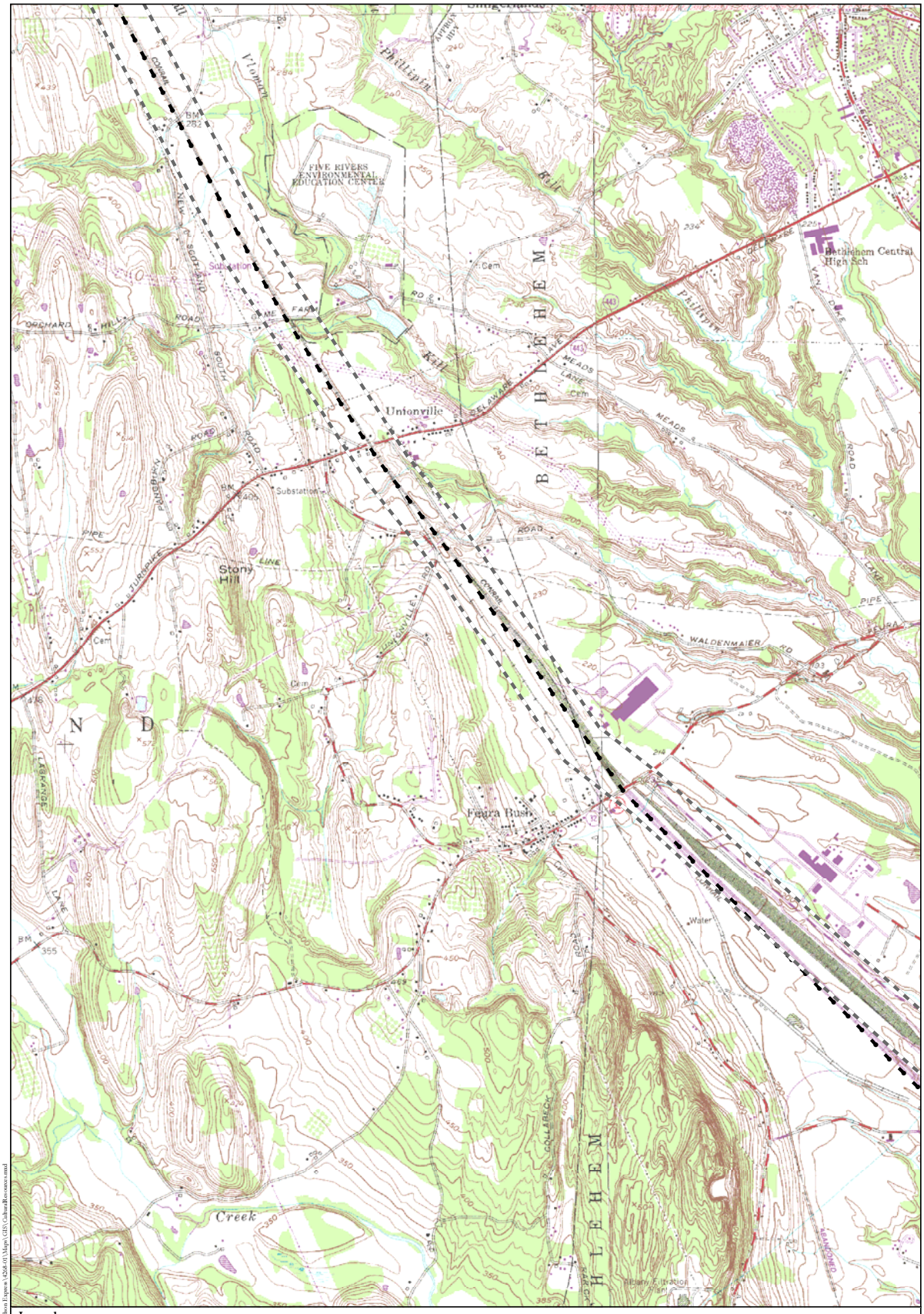
Note: Contour interval is 10 feet.

Underwater Resource Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 41 c

DS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268-01\Maps\GIS\CulturalResources.mxd



Legend

- Lake Champlain Maritime Museum (LC) Site
- LC## LC Site ID (See Appendix 3)
- Underwater Site or Anomaly
- U## Underwater Site or Anomaly ID (See Appendix 3)
- Proposed Alignment
- Overland Study Area
- LCMM Shipwreck Survey Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

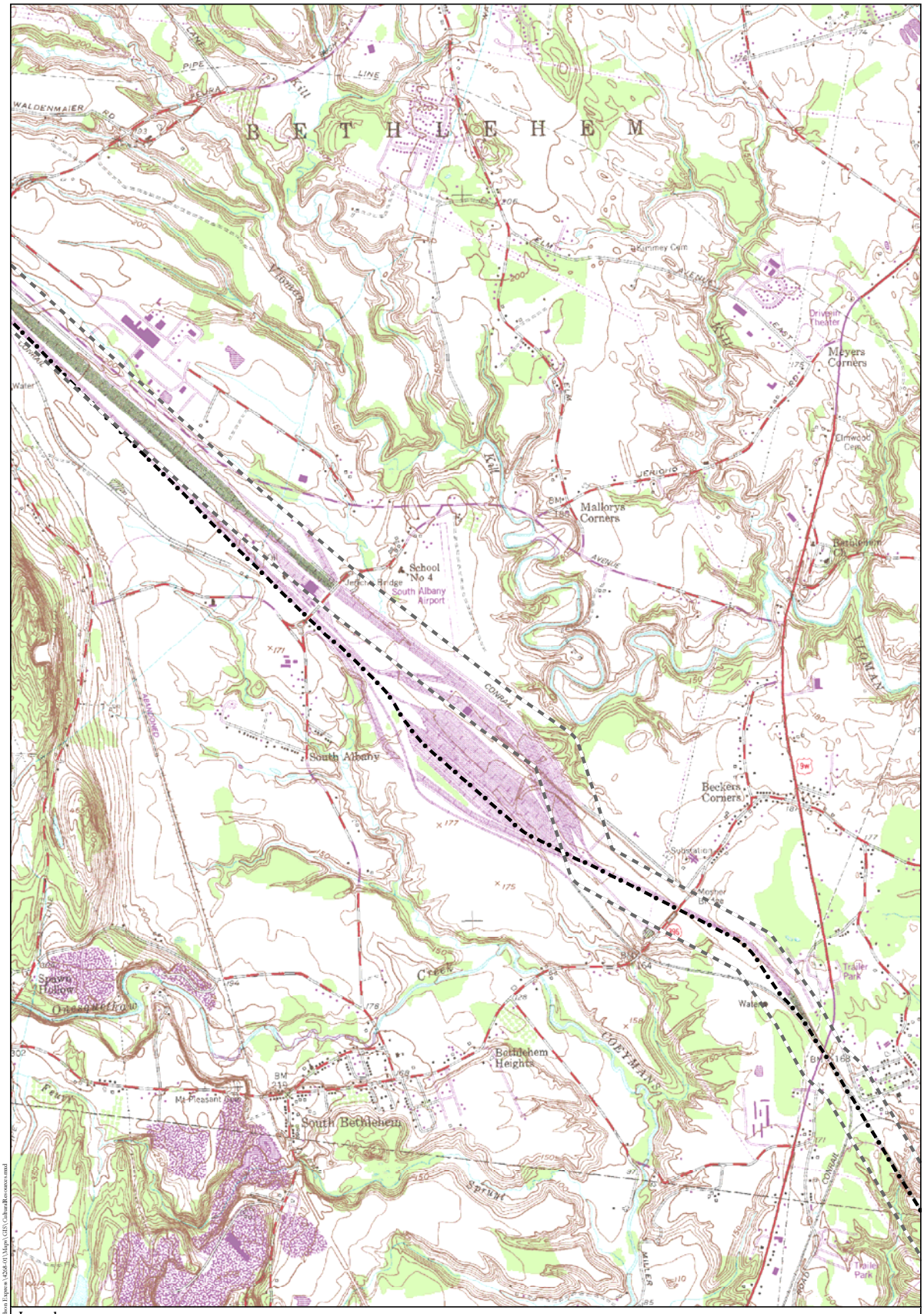
Note: Contour interval is 10 feet.

Underwater Resource Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 42 c

DS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268-01\Maps\GIS\CulturalResources.mxd



Legend

- Lake Champlain Maritime Museum (LC) Site
- LC## LC Site ID (See Appendix 3)
- Underwater Site or Anomaly
- U## Underwater Site or Anomaly ID (See Appendix 3)
- Proposed Alignment
- Overland Study Area
- LCMM Shipwreck Survey Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

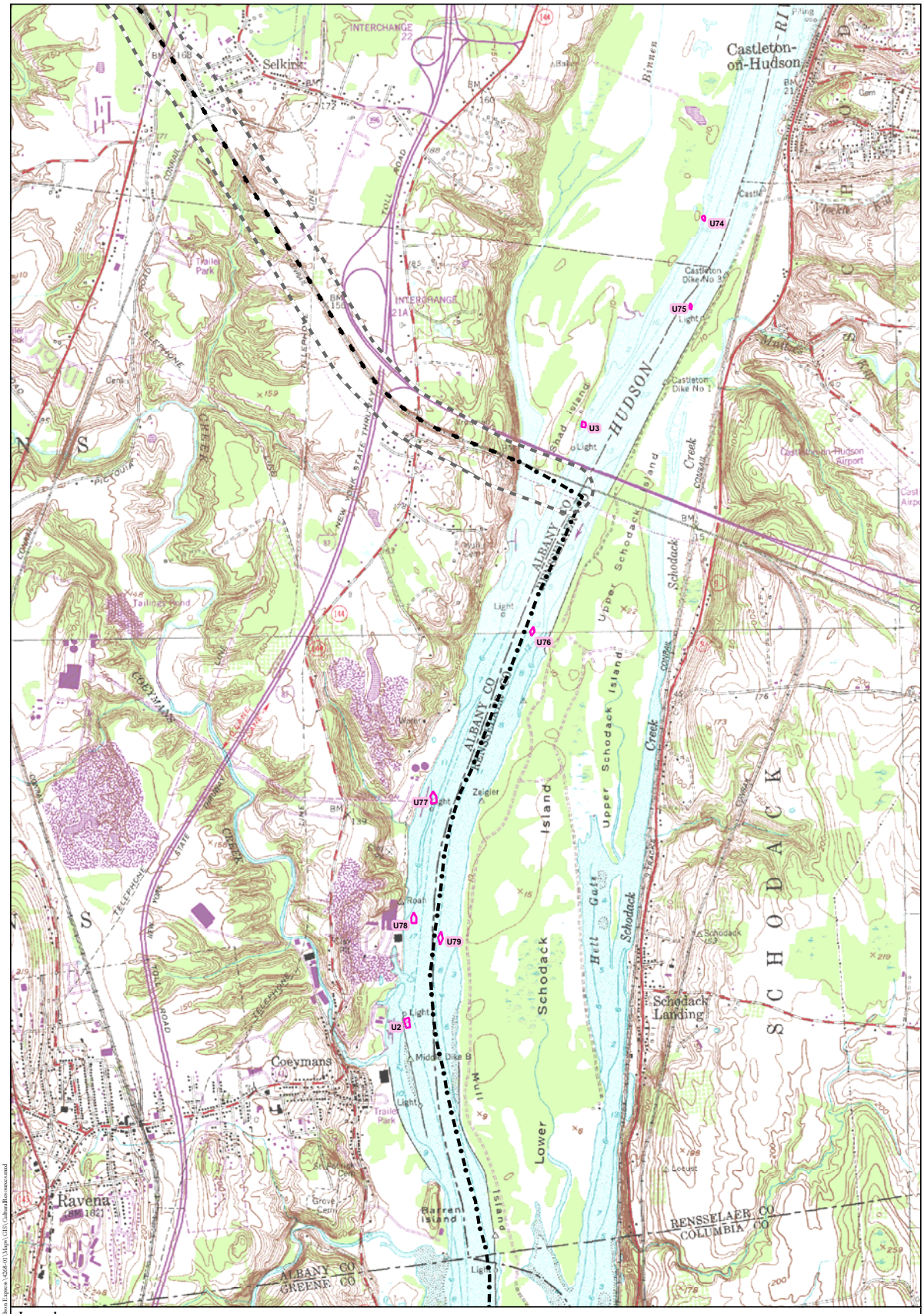
Note: Contour interval is 10 feet.

Underwater Resource Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 43 c

DS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268-01\Maps\GIS\CulturalResources.mxd



Legend

- Lake Champlain Maritime Museum (LC) Site
- LC## LC Site ID (See Appendix 3)
- Underwater Site or Anomaly
- U## Underwater Site or Anomaly ID (See Appendix 3)
- Proposed Alignment
- Overland Study Area
- LCMM Shipwreck Survey Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

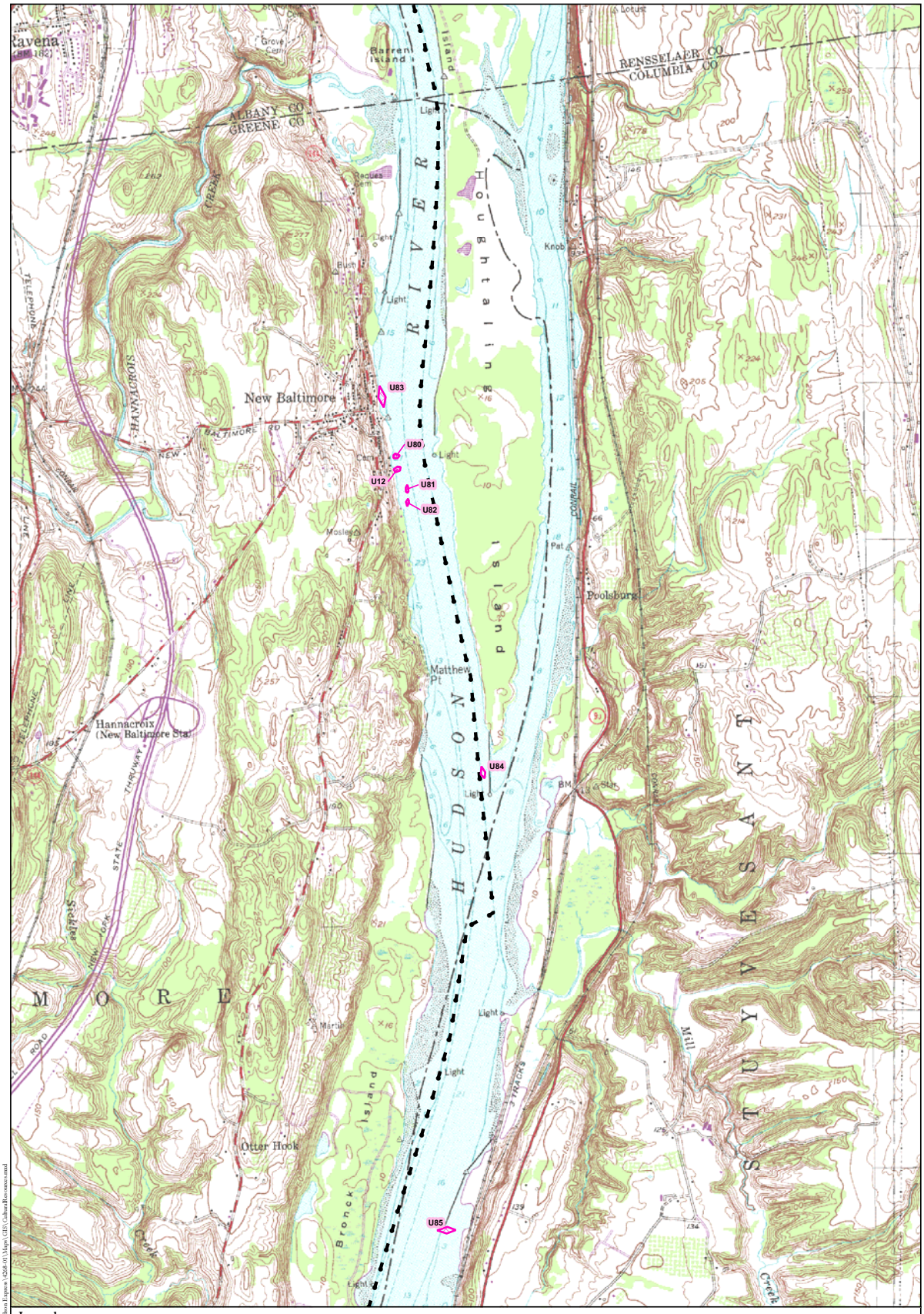
Note: Contour interval is 10 feet.

Underwater Resource Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 44 c

DS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268-01\Maps\GIS\CulturalResources.mxd



Legend

- Lake Champlain Maritime Museum (LC) Site
- LC## LC Site ID (See Appendix 3)
- Underwater Site or Anomaly
- U## Underwater Site or Anomaly ID (See Appendix 3)
- Proposed Alignment
- Overland Study Area
- LCMM Shipwreck Survey Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

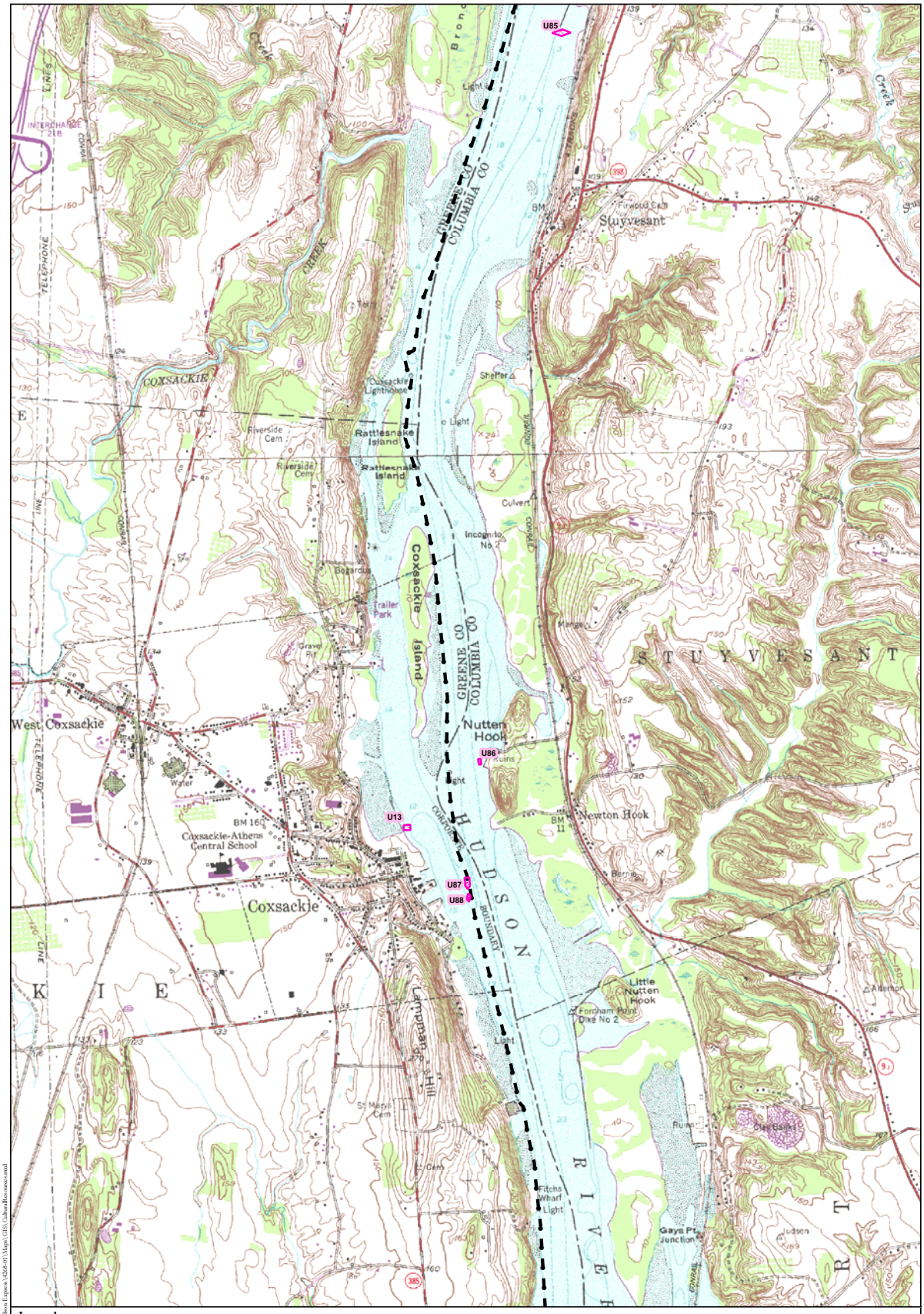
Note: Contour interval is 10 feet.

Underwater Resource Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 45 c

JS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268.01\Maps\GIS\CulturalResources.mxd



Legend

- Lake Champlain Maritime Museum (LC) Site
- LC## LC Site ID (See Appendix 3)
- Underwater Site or Anomaly
- U## Underwater Site or Anomaly ID (See Appendix 3)
- Proposed Alignment
- Overland Study Area
- LCMM Shipwreck Survey Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

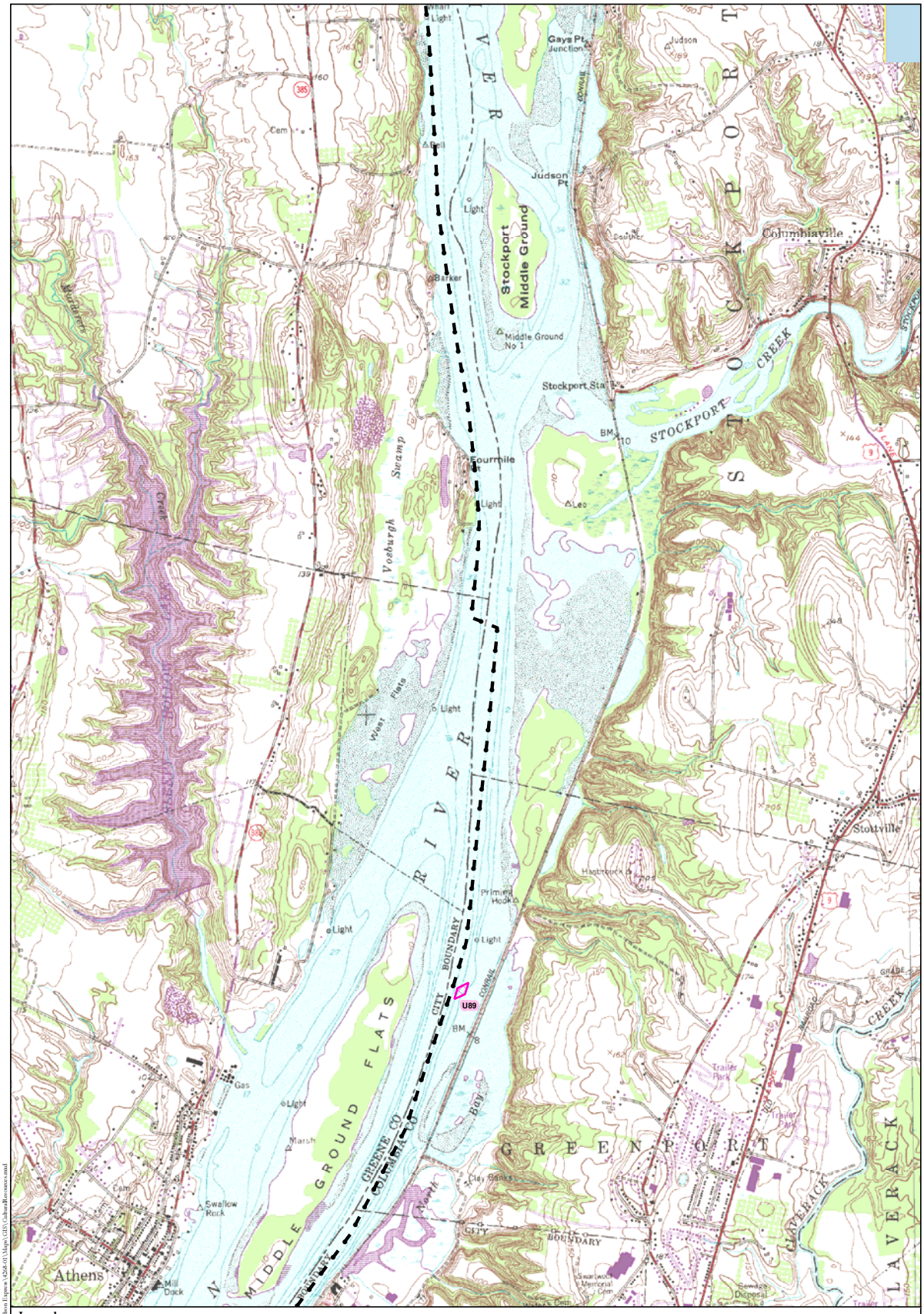
Note: Contour interval is 10 feet.

Underwater Resource Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 46 c

DS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268-01\Maps\GIS\CulturalResources.mxd



Legend

- Lake Champlain Maritime Museum (LC) Site
- LC## LC Site ID (See Appendix 3)
- Underwater Site or Anomaly
- U## Underwater Site or Anomaly ID (See Appendix 3)
- Proposed Alignment
- Overland Study Area
- LCMM Shipwreck Survey Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

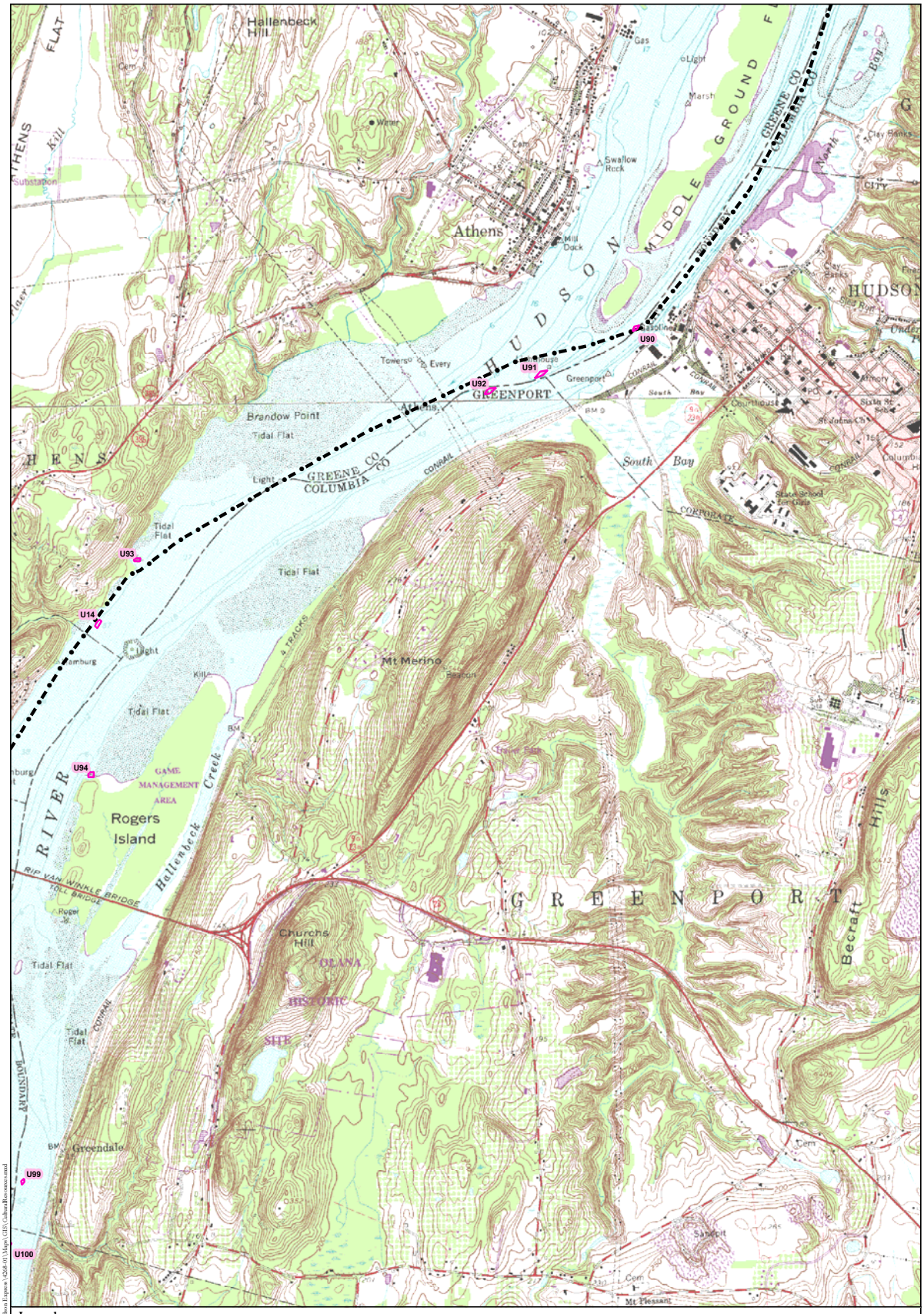
Note: Contour interval is 10 feet.

Underwater Resource Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 47 c

DS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268.01\Maps\GIS\CulturalResources.mxd



Legend

- Lake Champlain Maritime Museum (LC) Site
- LC## LC Site ID (See Appendix 3)
- Underwater Site or Anomaly
- U## Underwater Site or Anomaly ID (See Appendix 3)
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- Overland Study Area
- LCMM Shipwreck Survey Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

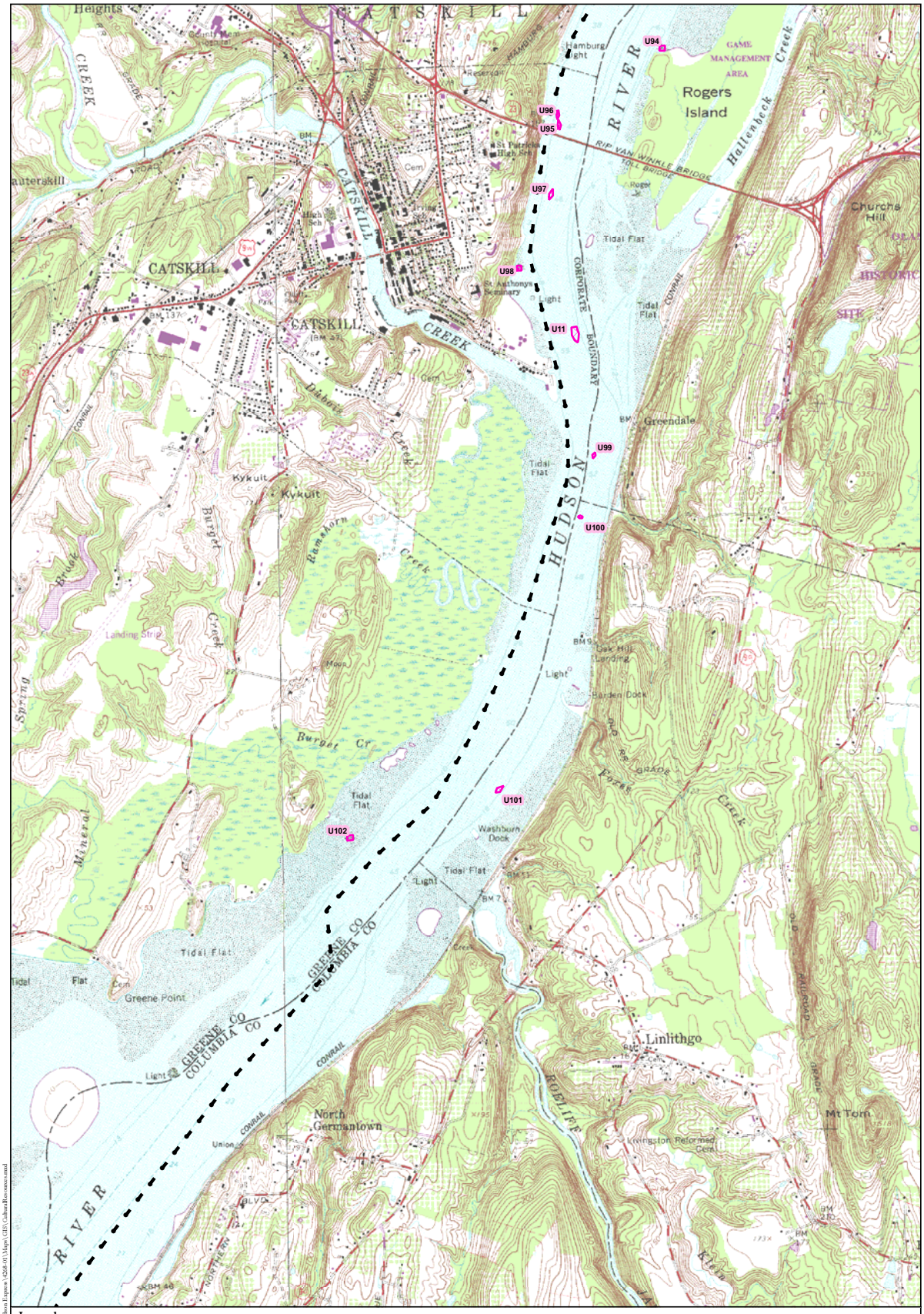
Note: Contour interval is 10 feet.

Underwater Resource Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 48 c

DS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268-01\Maps\GIS\CulturalResources.mxd



Legend

- Lake Champlain Maritime Museum (LC) Site
- LC## LC Site ID (See Appendix 3)
- Underwater Site or Anomaly
- U## Underwater Site or Anomaly ID (See Appendix 3)
- Proposed Alignment
- Overland Study Area
- LCMM Shipwreck Survey Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

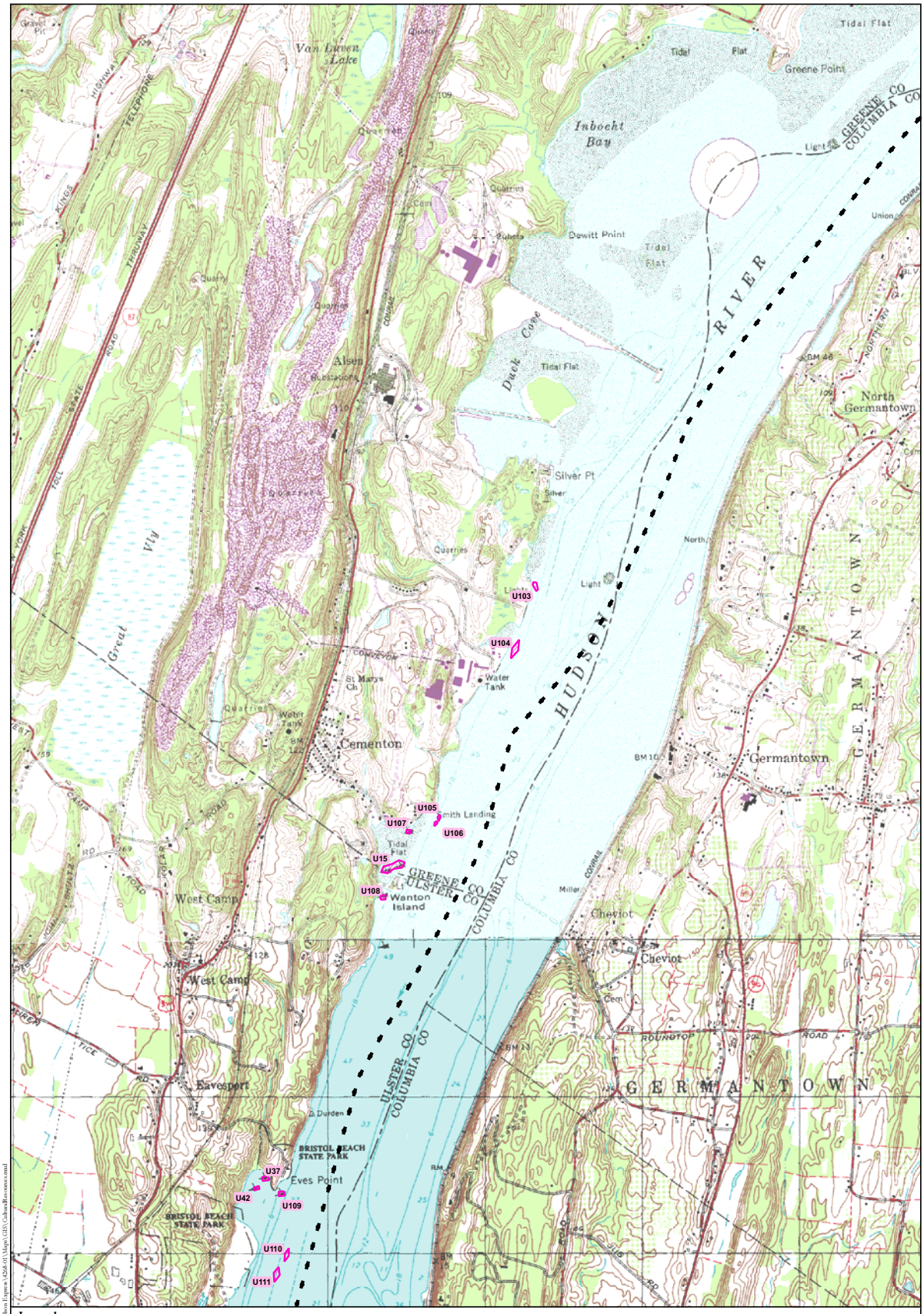
Note: Contour interval is 10 feet.

Underwater Resource Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 49 c

DS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268-01\Maps\GIS\CulturalResources.mxd



Legend

- Lake Champlain Maritime Museum (LC) Site
- LC## LC Site ID (See Appendix 3)
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- U## Underwater Site or Anomaly ID (See Appendix 3)
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- LCMM Shipwreck Survey Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

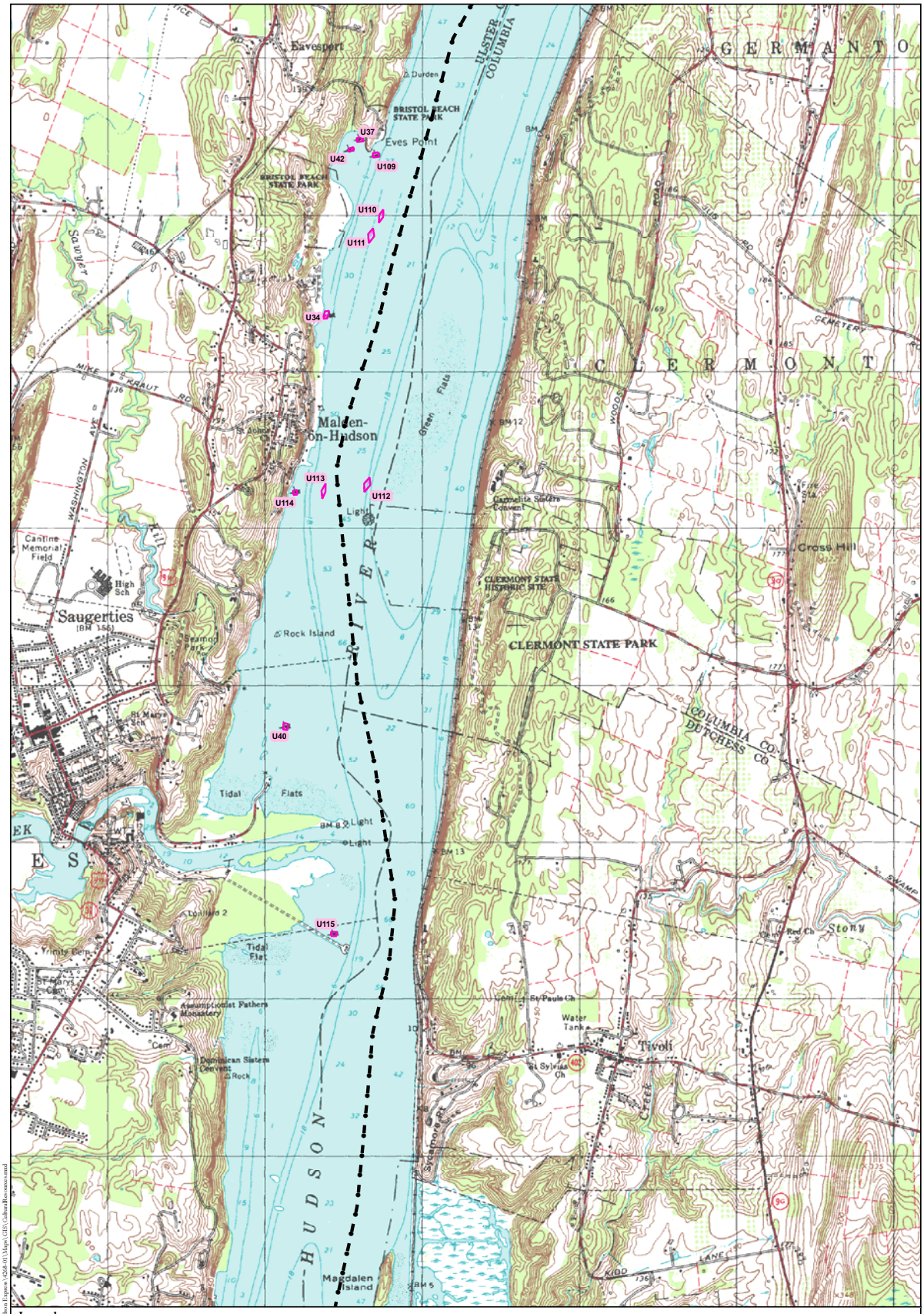
Note: Contour interval is 10 feet.

Underwater Resource Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 50 c

DS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268.01\Maps\GIS\CulturalResources.mxd



Legend

- Lake Champlain Maritime Museum (LC) Site
- LC## LC Site ID (See Appendix 3)
- Underwater Site or Anomaly
- U## Underwater Site or Anomaly ID (See Appendix 3)
- Proposed Alignment
- Overland Study Area
- LCMM Shipwreck Survey Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

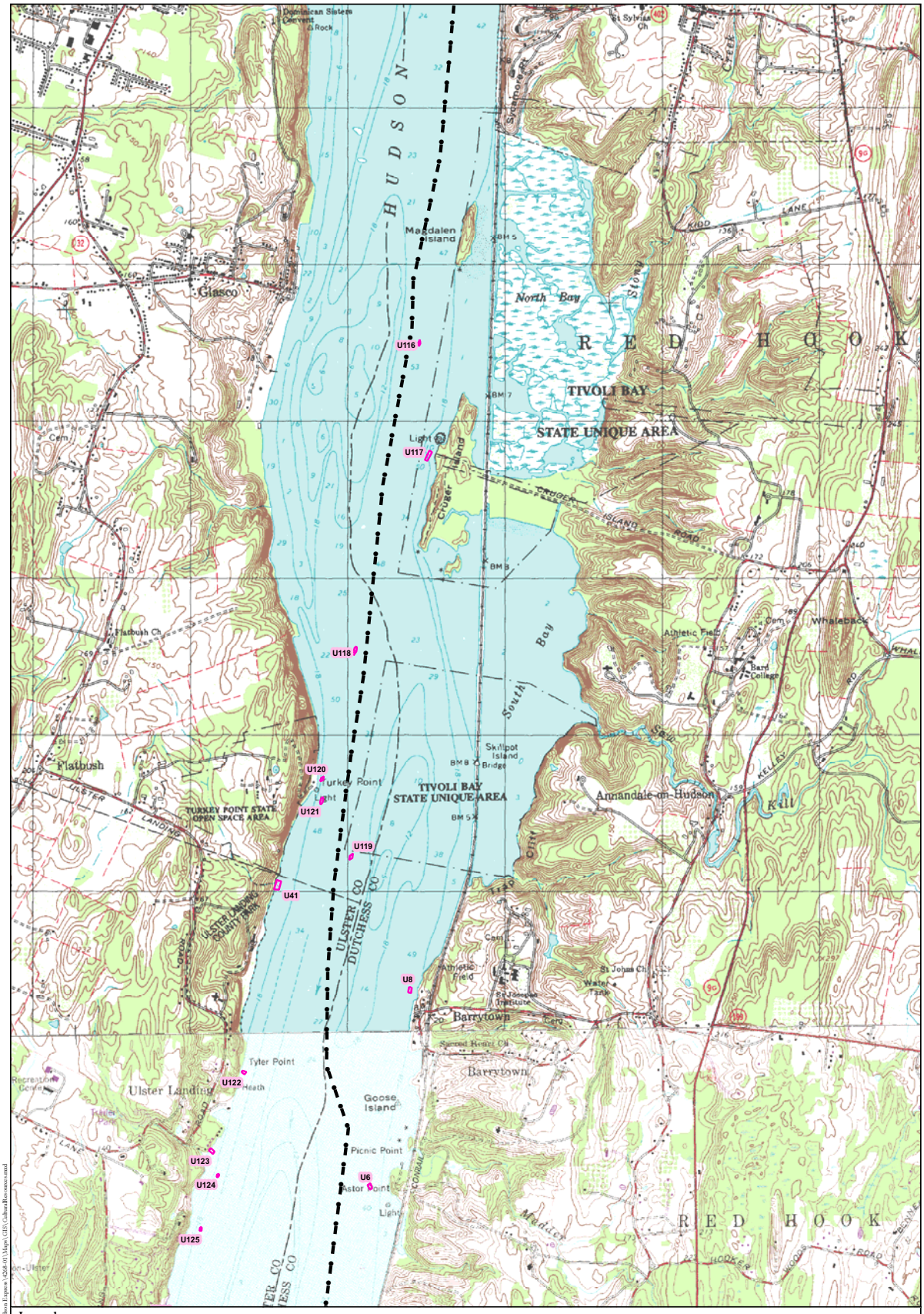
Note: Contour interval is 10 feet.

Underwater Resource Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 51c

DS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268.01\Maps\GIS\CulturalResources.mxd



Legend

- Lake Champlain Maritime Museum (LC) Site
- LC## LC Site ID (See Appendix 3)
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- U## Underwater Site or Anomaly ID (See Appendix 3)
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- Overland Study Area
- LCMM Shipwreck Survey Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

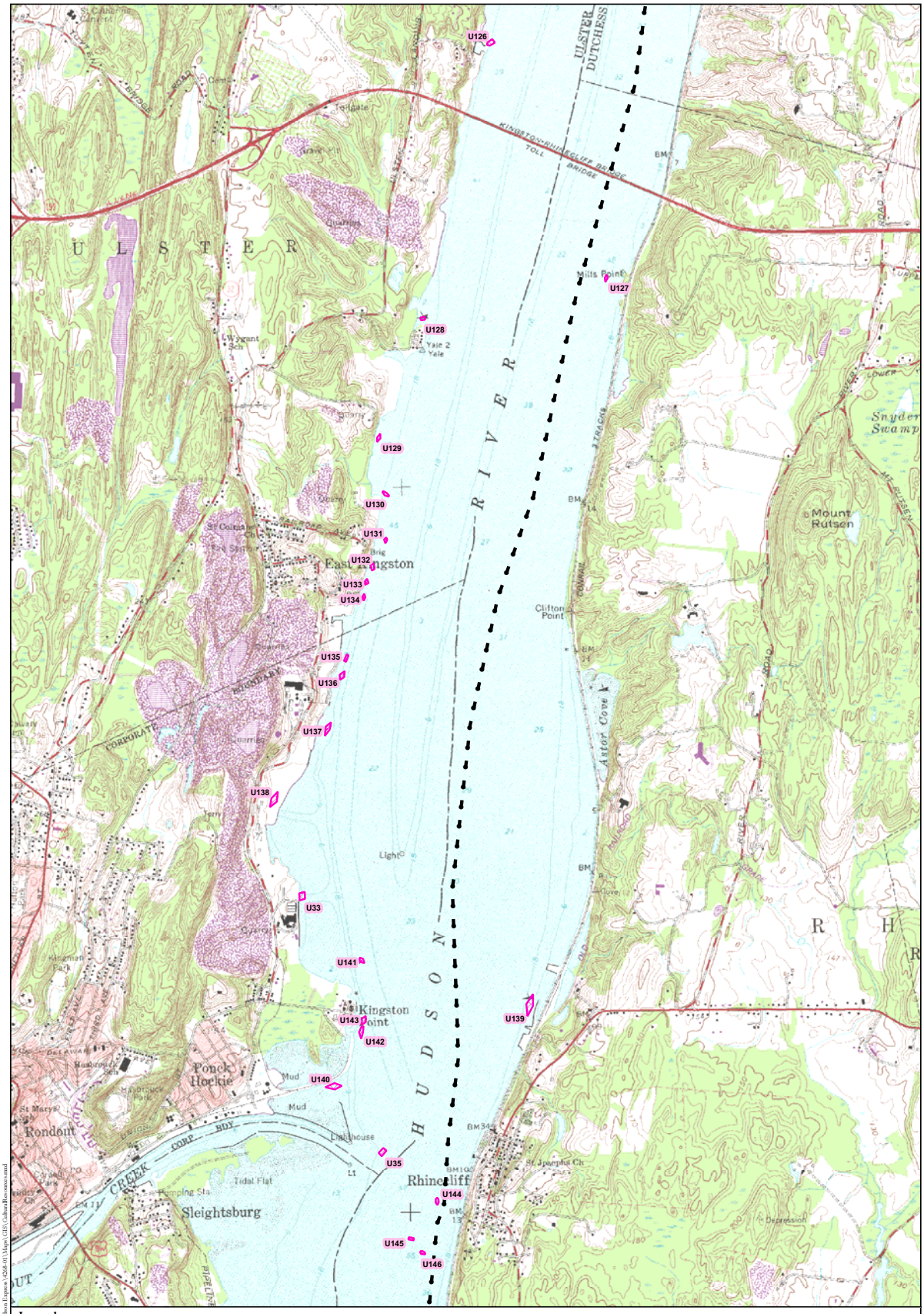
Note: Contour interval is 10 feet.

Underwater Resource Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 52 c

JS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268-01\Maps\GIS\CulturalResources.mxd



Legend

- Lake Champlain Maritime Museum (LC) Site
- LC## LC Site ID (See Appendix 3)
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- U## Underwater Site or Anomaly ID (See Appendix 3)
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- LCMM Shipwreck Survey Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

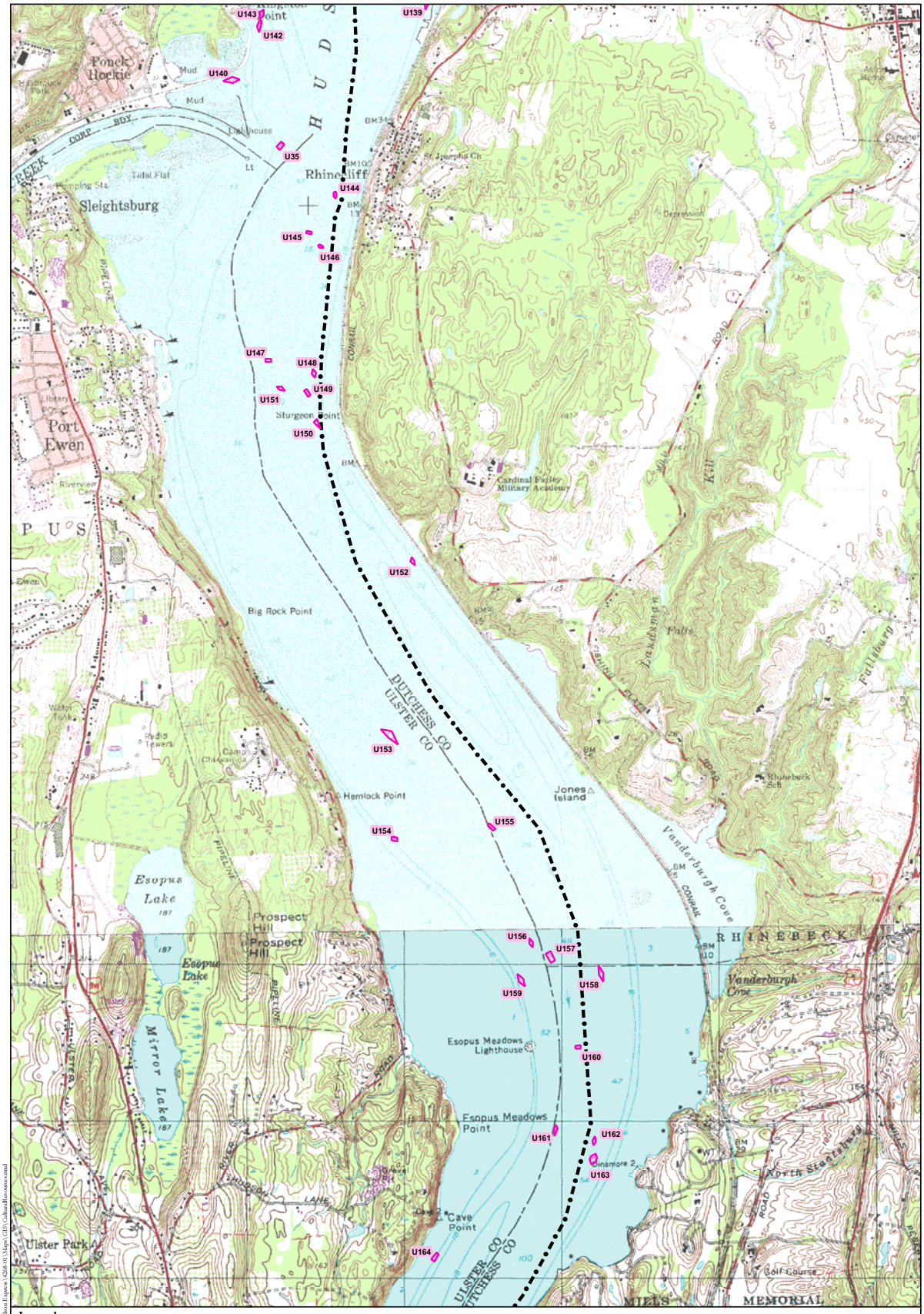
Note: Contour interval is 10 feet.

Underwater Resource Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 53 c

DS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268.01\Maps\GIS\CulturalResources.mxd



Legend

- Lake Champlain Maritime Museum (LC) Site
- LC## LC Site ID (See Appendix 3)
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- U## Underwater Site or Anomaly ID (See Appendix 3)
- Proposed Alignment
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- LCMM Shipwreck Survey Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

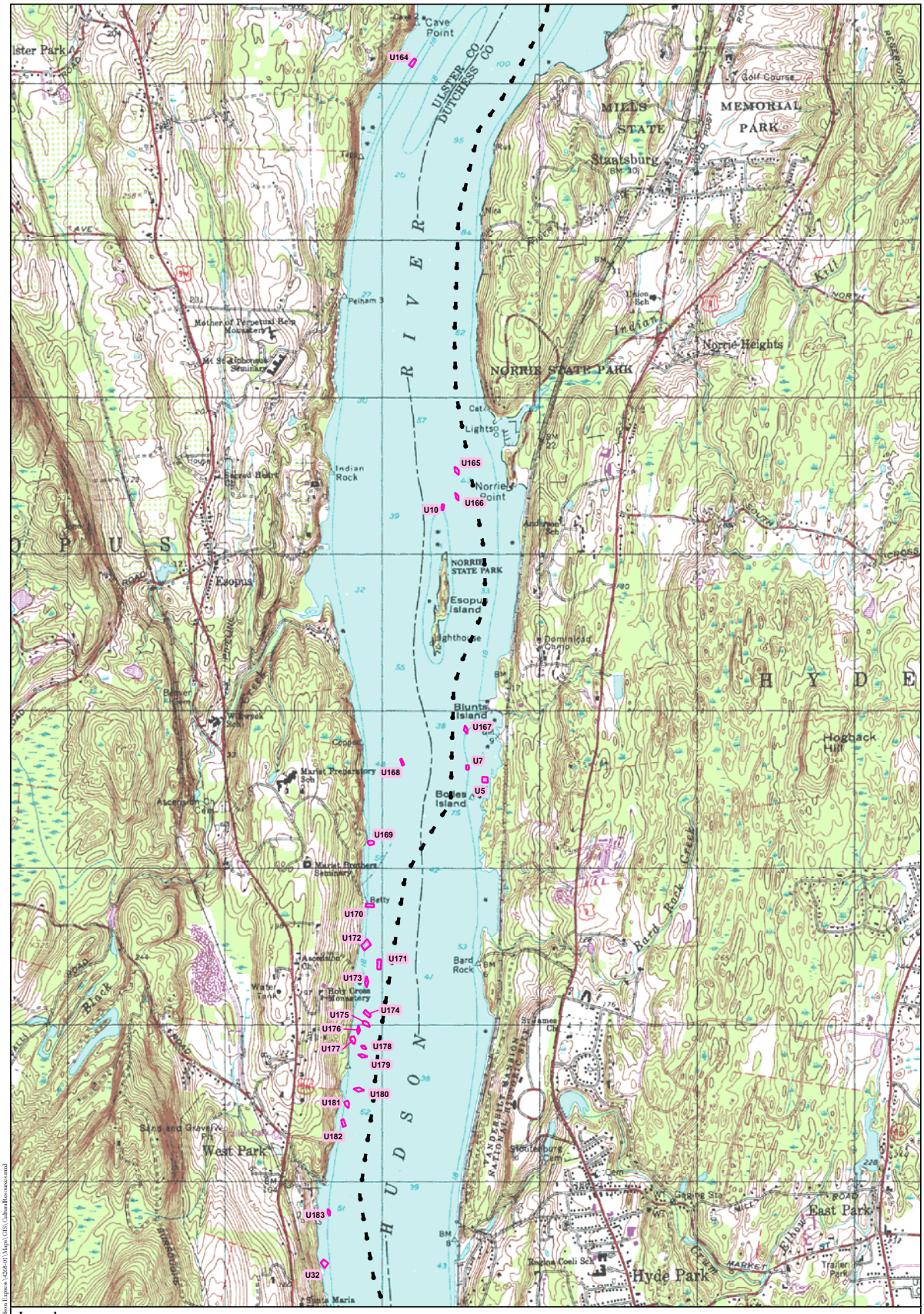
Note: Contour interval is 10 feet.

Underwater Resource Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 54 c

ES February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268-01\Maps\GIS\CulturalResources.mxd



Legend

- Lake Champlain Maritime Museum (LC) Site
- LC## LC Site ID (See Appendix 3)
- Underwater Site or Anomaly
- U## Underwater Site or Anomaly ID (See Appendix 3)
- Proposed Alignment
- Overland Study Area
- LCMM Shipwreck Survey Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

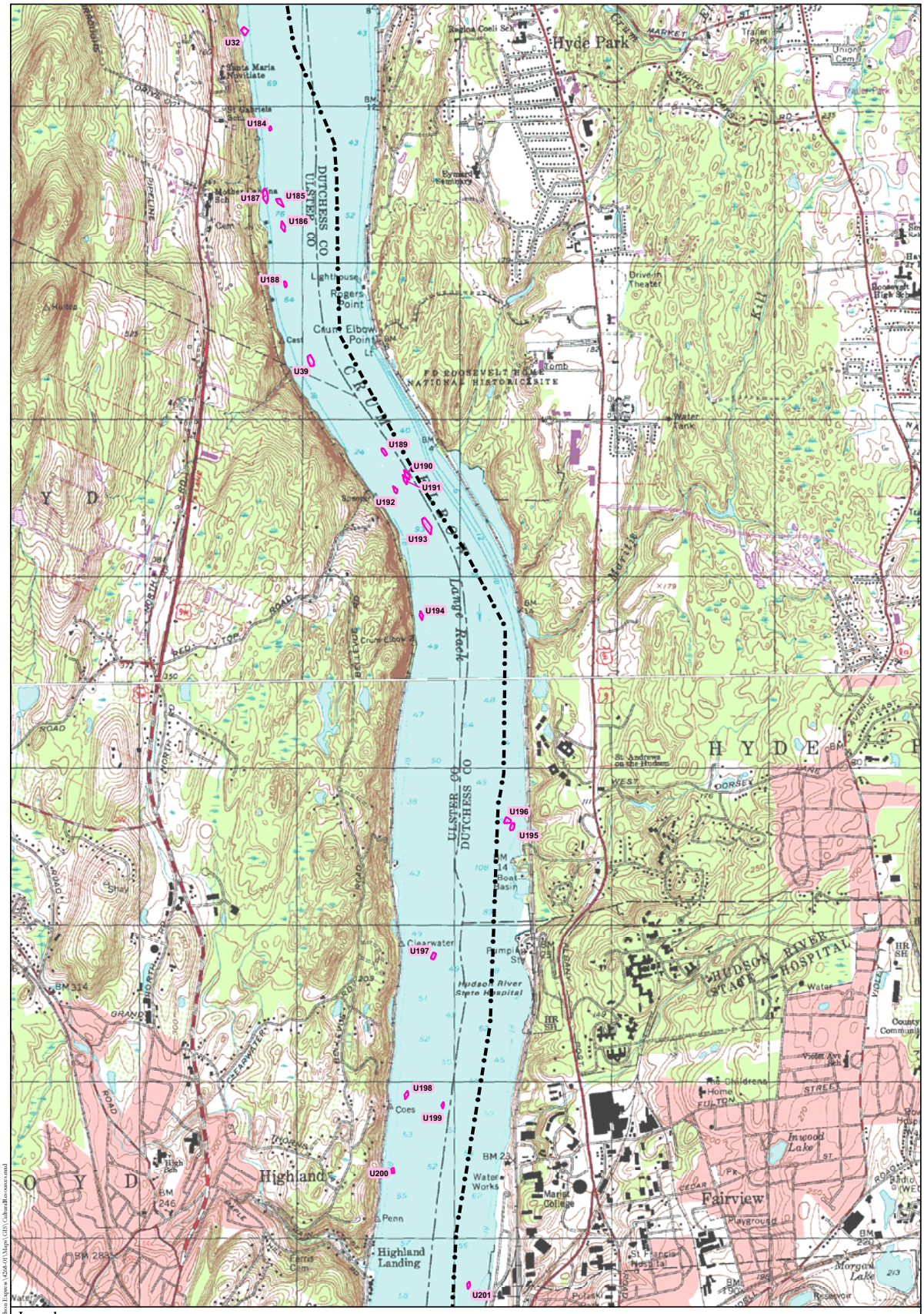
Note: Contour interval is 10 feet.

Underwater Resource Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 55 c

JS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268.01\Maps\GIS\CulturalResources.mxd



Legend

- Lake Champlain Maritime Museum (LC) Site
- LC## LC Site ID (See Appendix 3)
- Underwater Site or Anomaly
- U## Underwater Site or Anomaly ID (See Appendix 3)
- Proposed Alignment
- Overland Study Area
- LCMM Shipwreck Survey Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

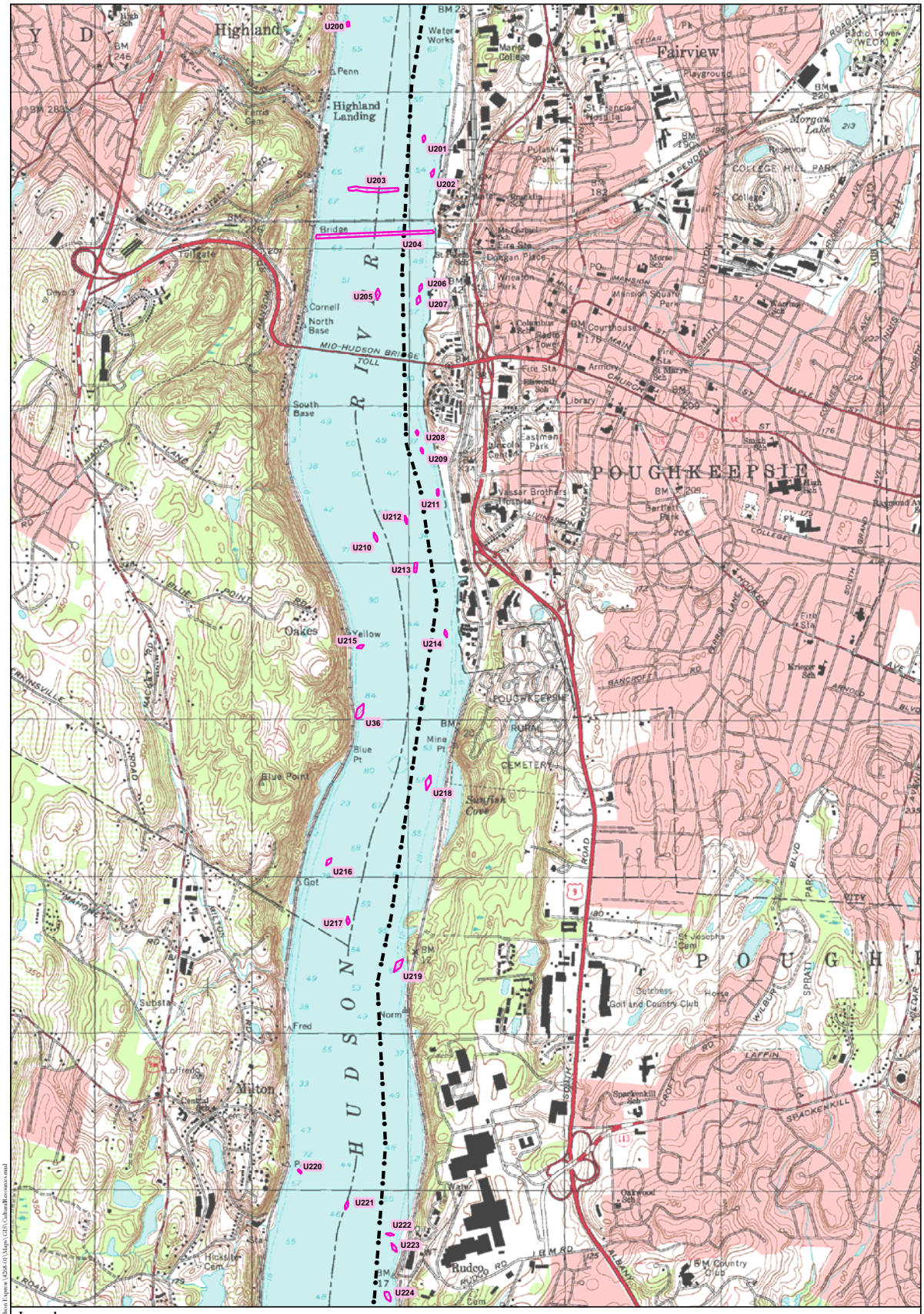
Note: Contour interval is 10 feet.

Underwater Resource Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 56 c

JS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268.01\Maps\GIS\CulturalResources.mxd



Legend

- Lake Champlain Maritime Museum (LC) Site
- LC## LC Site ID (See Appendix 3)
- Underwater Site or Anomaly
- U## Underwater Site or Anomaly ID (See Appendix 3)
- Proposed Alignment
- Overland Study Area
- LCMM Shipwreck Survey Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

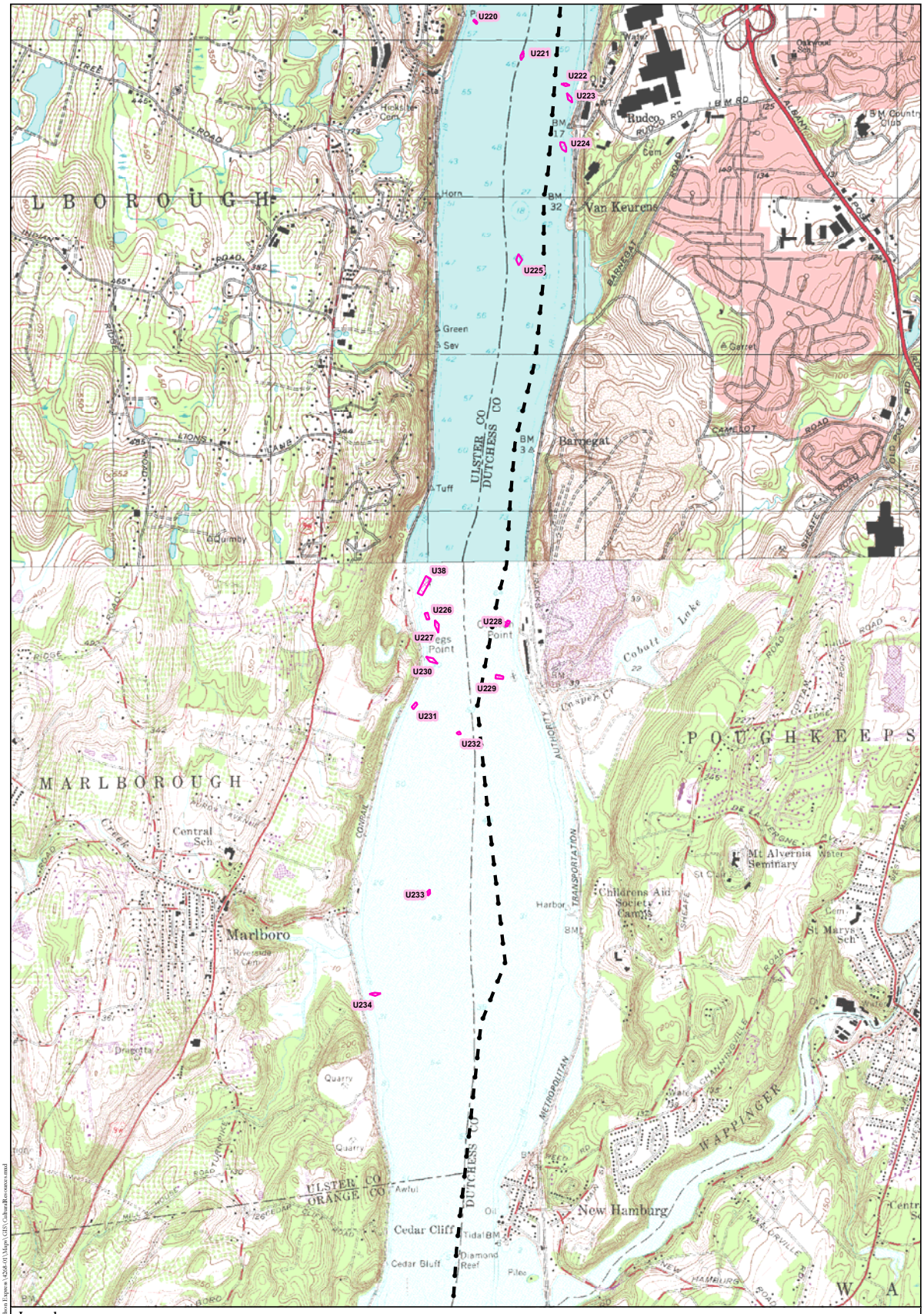
Note: Contour interval is 10 feet.

Underwater Resource Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 57 c

DS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268.01\Maps\GIS\CulturalResources.mxd



Legend

- Lake Champlain Maritime Museum (LC) Site
- LC## LC Site ID (See Appendix 3)
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- Overland Study Area
- LCMM Shipwreck Survey Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

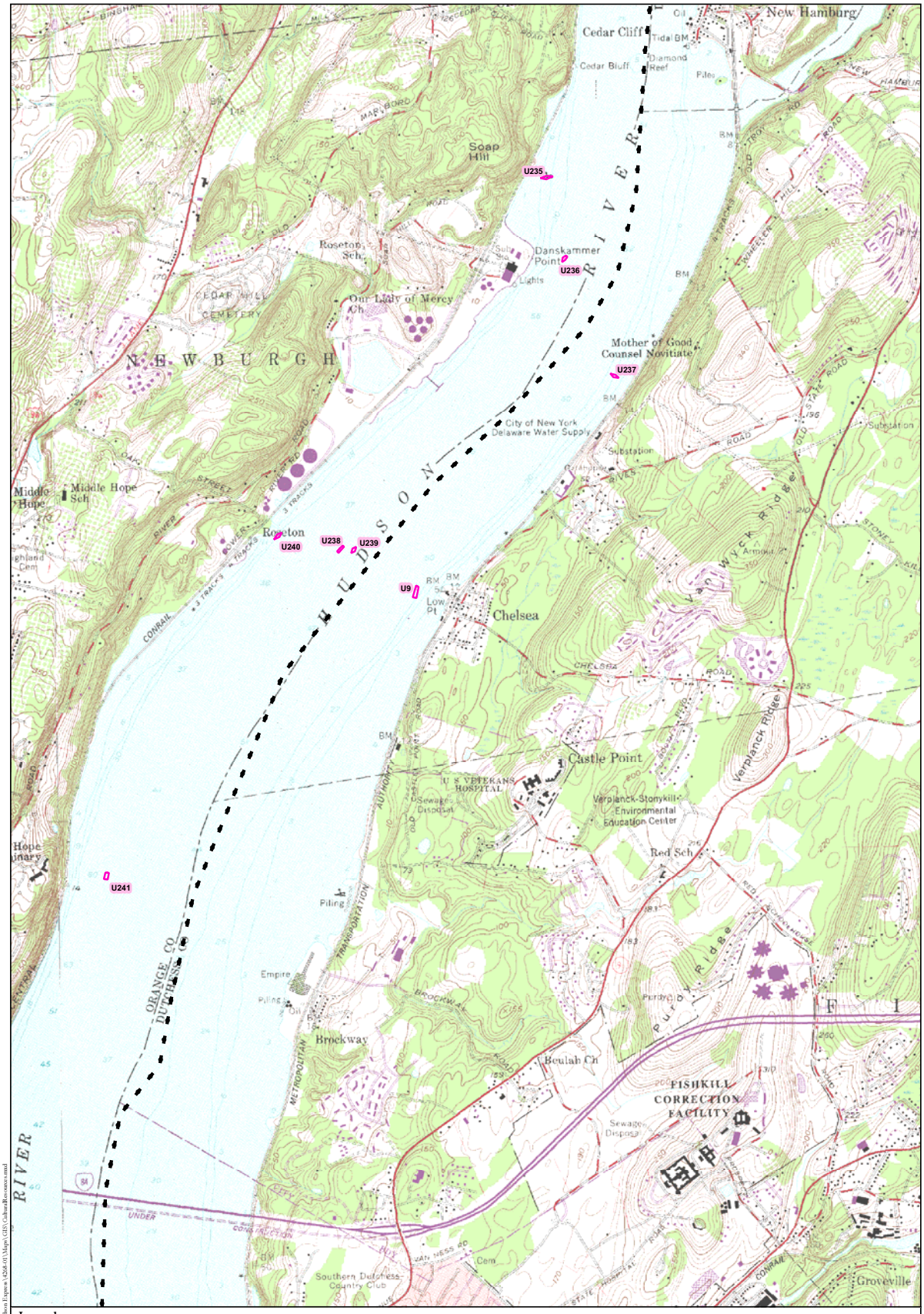
Note: Contour interval is 10 feet.

Underwater Resource Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 58 c

DS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268-01\Maps\GIS\CulturalResources.mxd



Legend

- Lake Champlain Maritime Museum (LC) Site
- LC## LC Site ID (See Appendix 3)
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N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

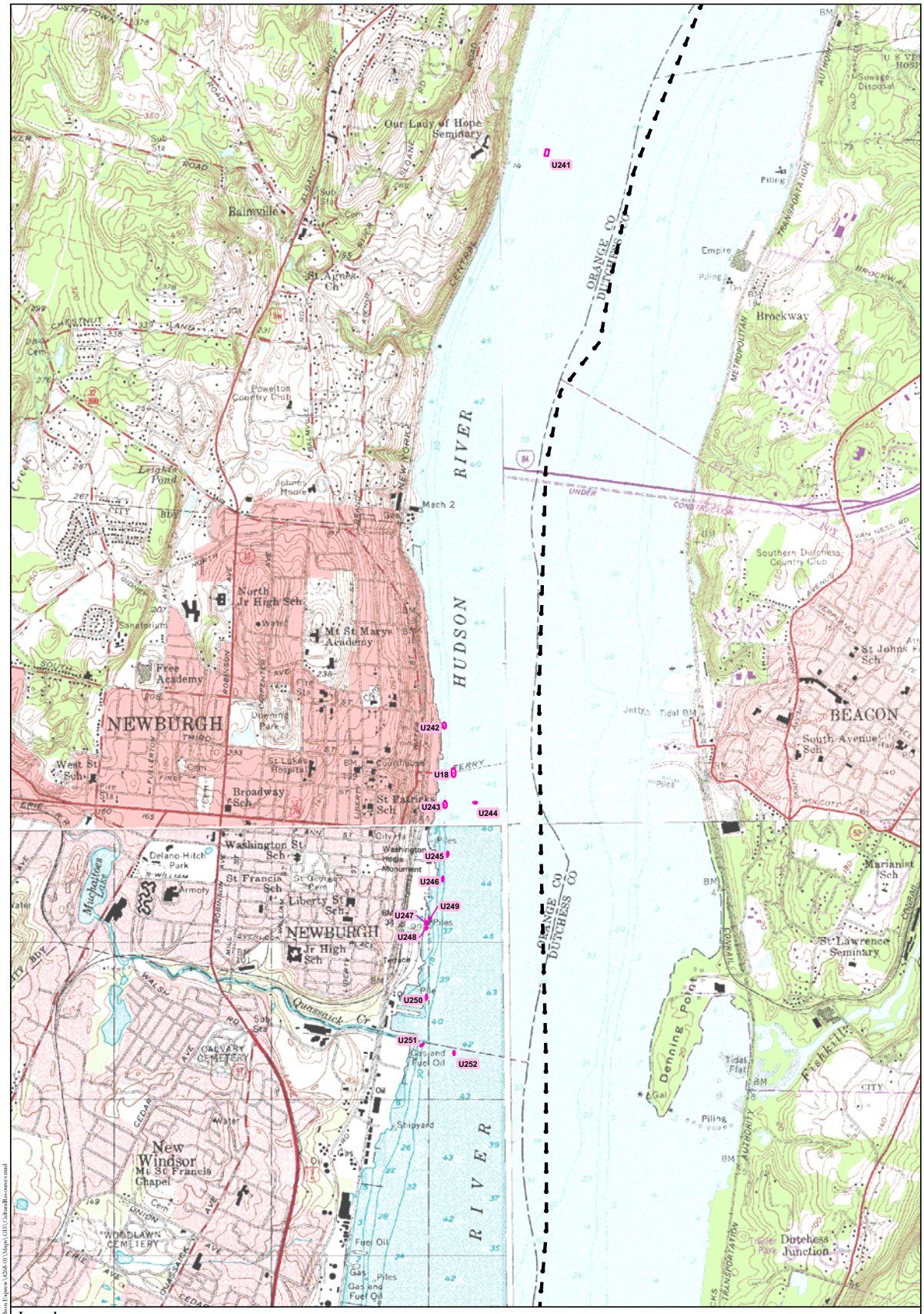
Note: Contour interval is 10 feet.

Underwater Resource Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 59 c

ES February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268-01\Maps\GIS\CulturalResources.mxd



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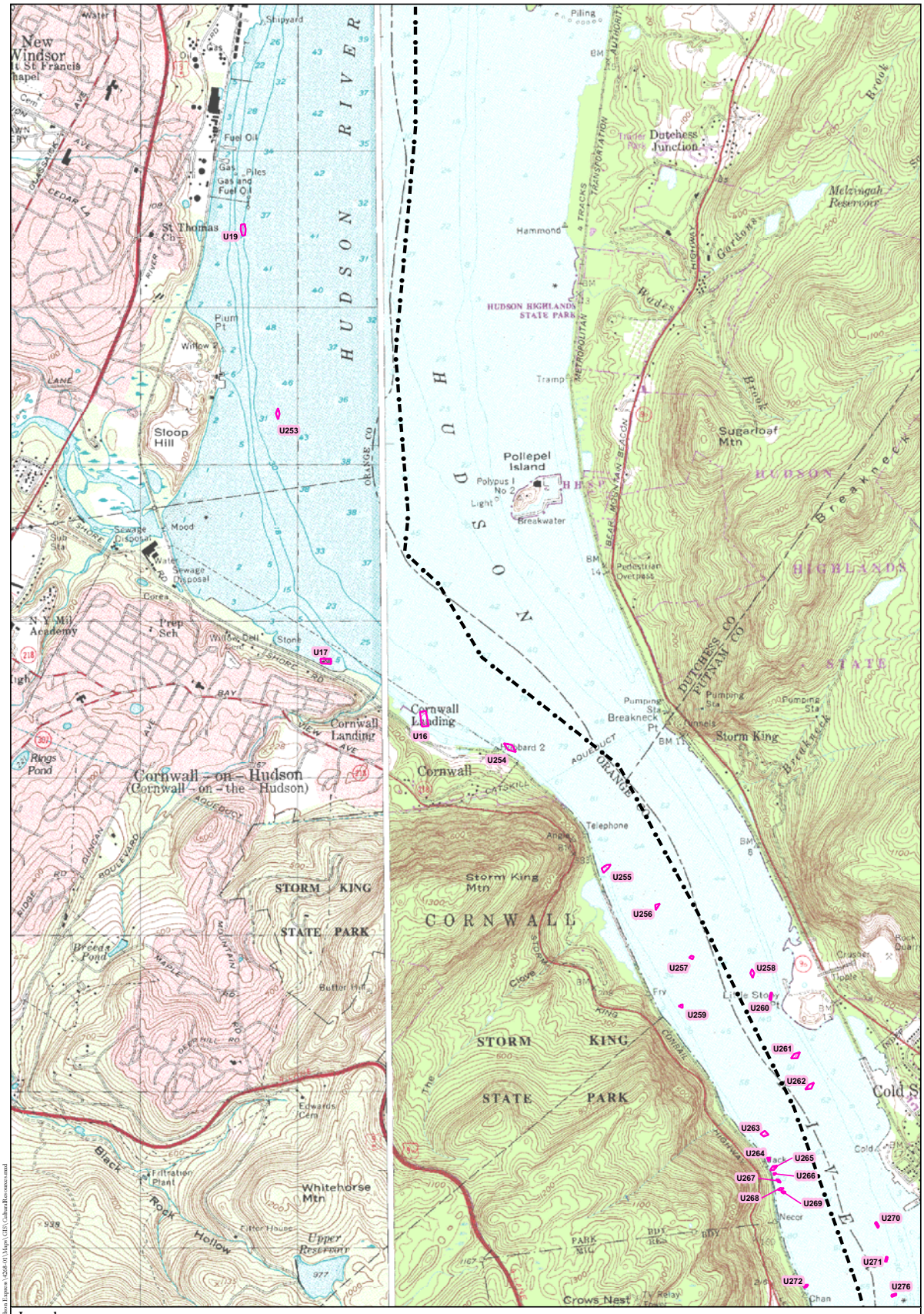

Legend

- Lake Champlain Maritime Museum (LC) Site
- LC## LC Site ID (See Appendix 3)
- Underwater Site or Anomaly
- U## Underwater Site or Anomaly ID (See Appendix 3)
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- Overland Study Area
- LCMM Shipwreck Survey Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

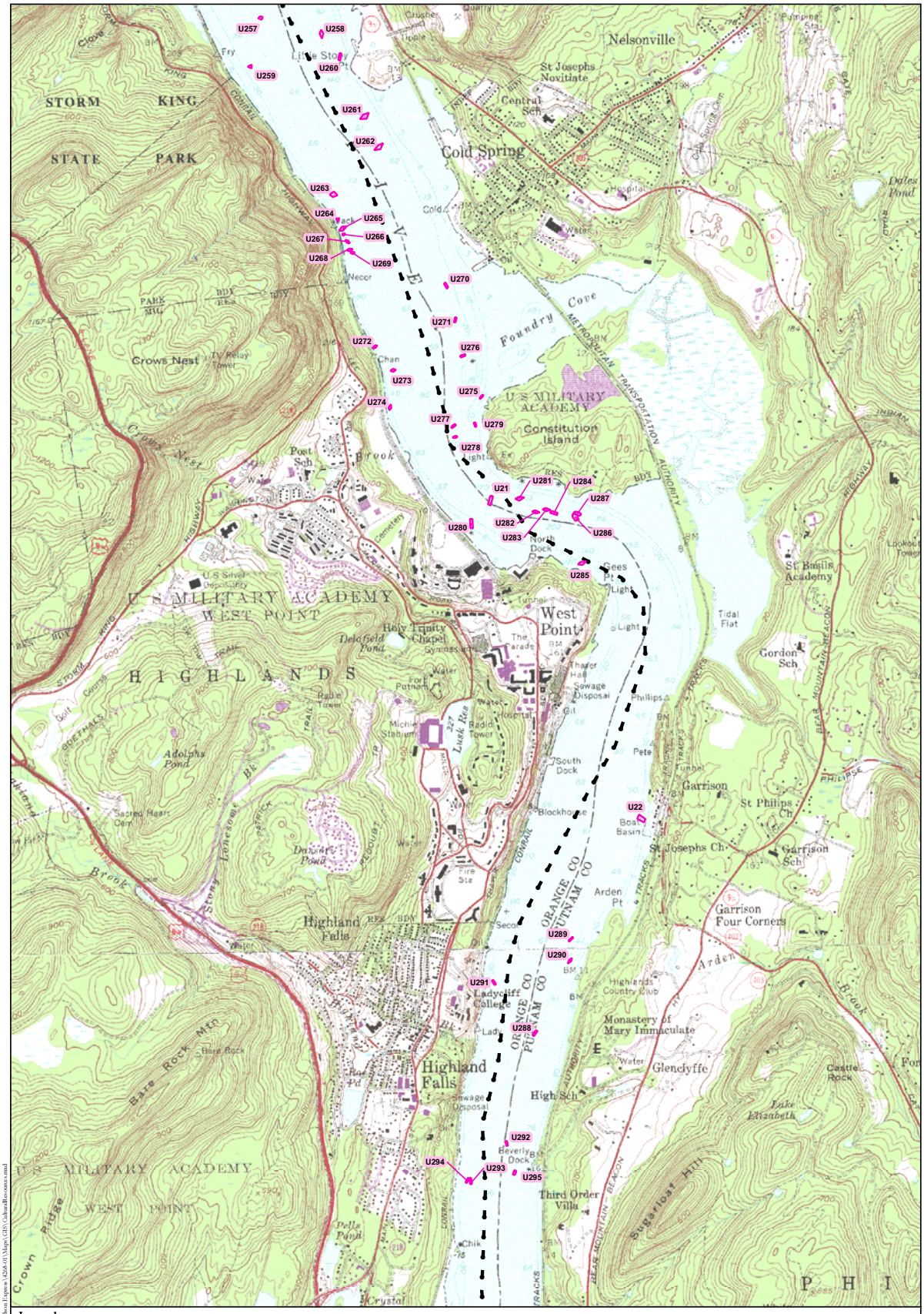
Note: Contour interval is 10 feet.

Underwater Resource Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 61c

JS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268-01\Maps\GIS\CulturalResources.mxd



Legend

- Lake Champlain Maritime Museum (LC) Site
- LC## LC Site ID (See Appendix 3)
- Underwater Site or Anomaly
- U## Underwater Site or Anomaly ID (See Appendix 3)
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- Overland Study Area
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N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

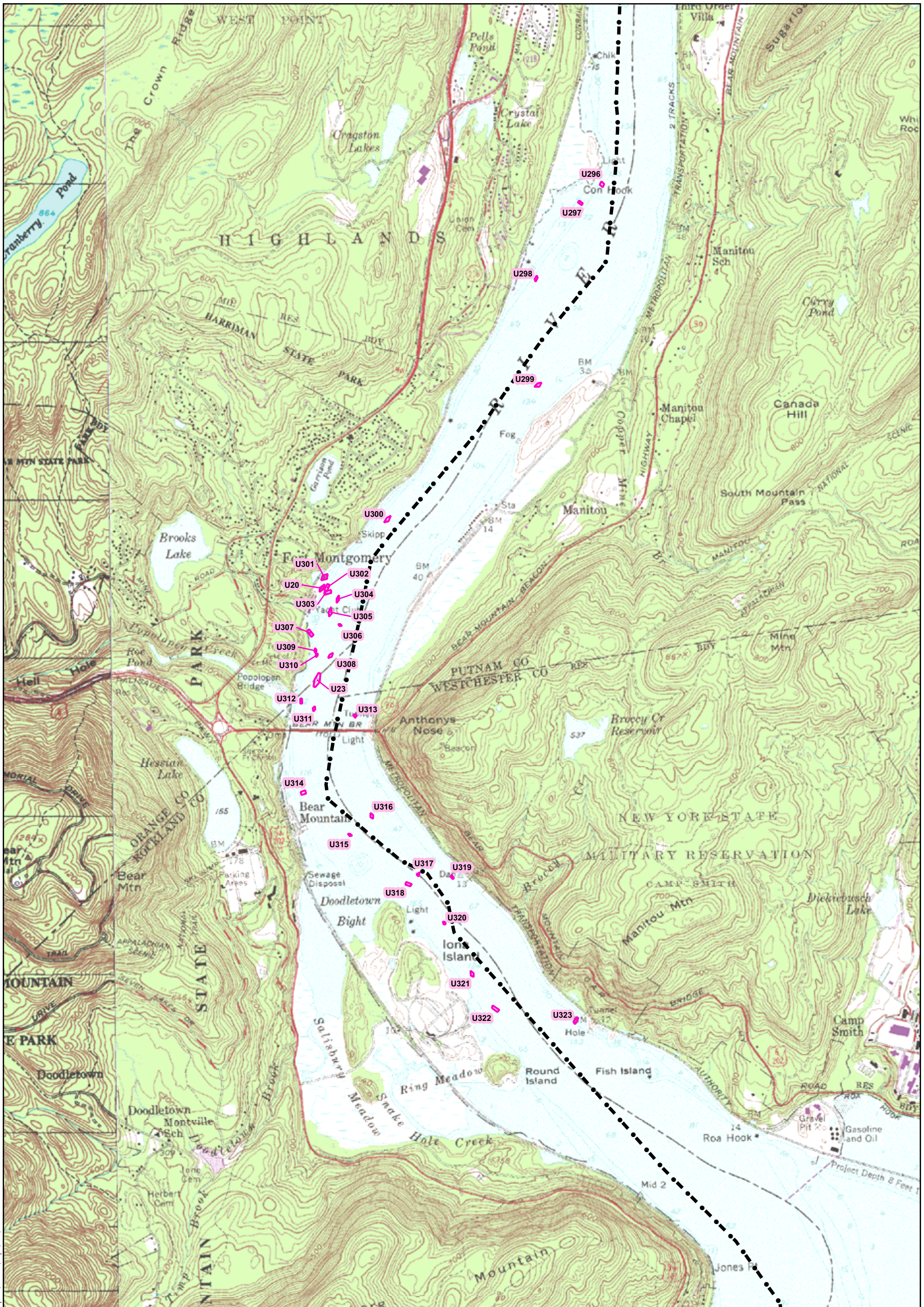
Note: Contour interval is 10 feet.

Underwater Resource Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 62 c

DS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268-01\Maps\GIS\CulturalResources.mxd



Legend

- Lake Champlain Maritime Museum (LC) Site
- **LC##** LC Site ID (See Appendix 3)
- Underwater Site or Anomaly
- **U##** Underwater Site or Anomaly ID (See Appendix 3)
- Proposed Alignment
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N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

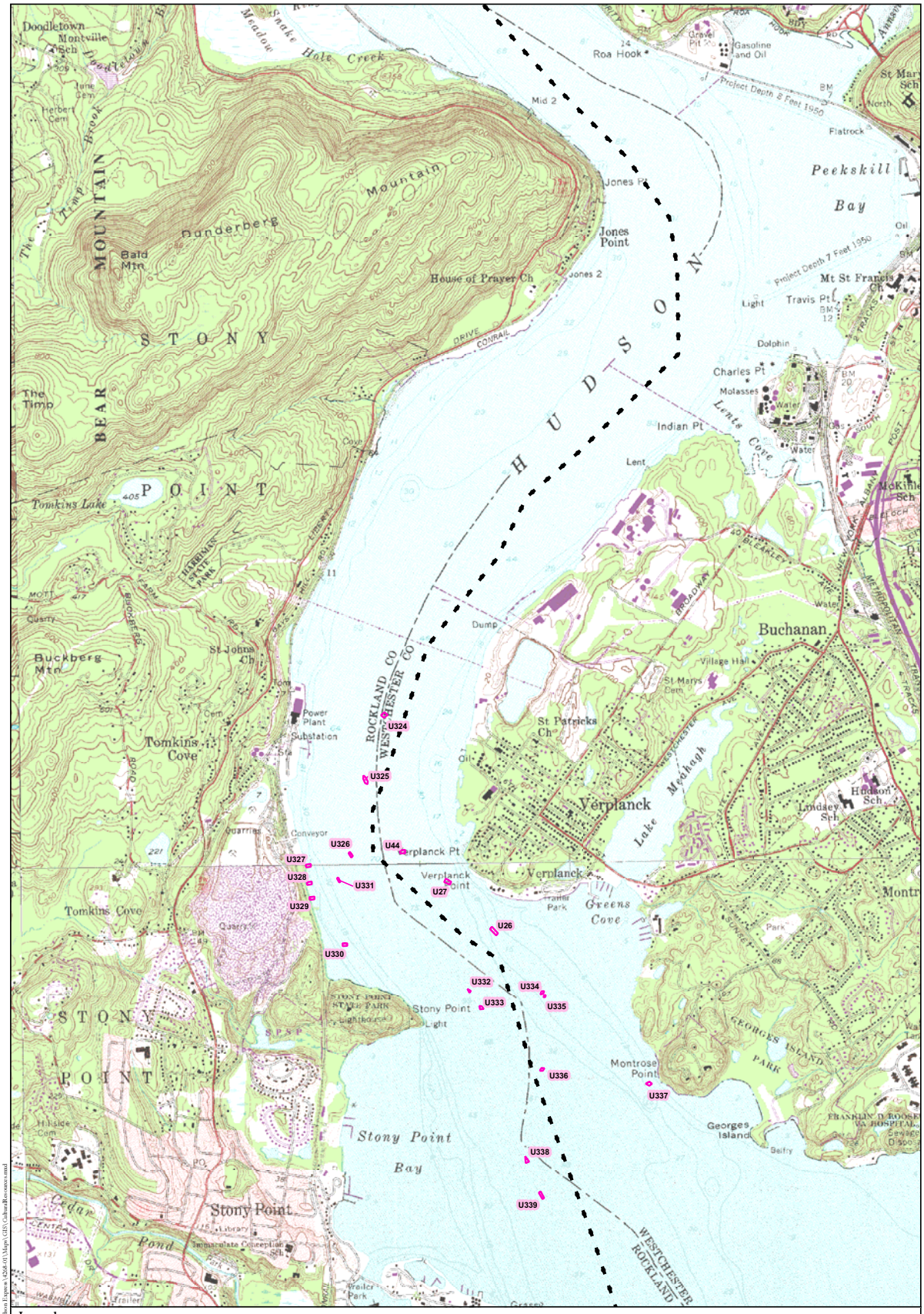
Note: Contour interval is 10 feet.

Underwater Resource Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 63 c

ES February 16, 2010 R:\Active Projects\4268 Oswego-Hudson Express\4268-01\Maps\GIS\CulturalResources.mxd



Legend

- Lake Champlain Maritime Museum (LC) Site
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N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

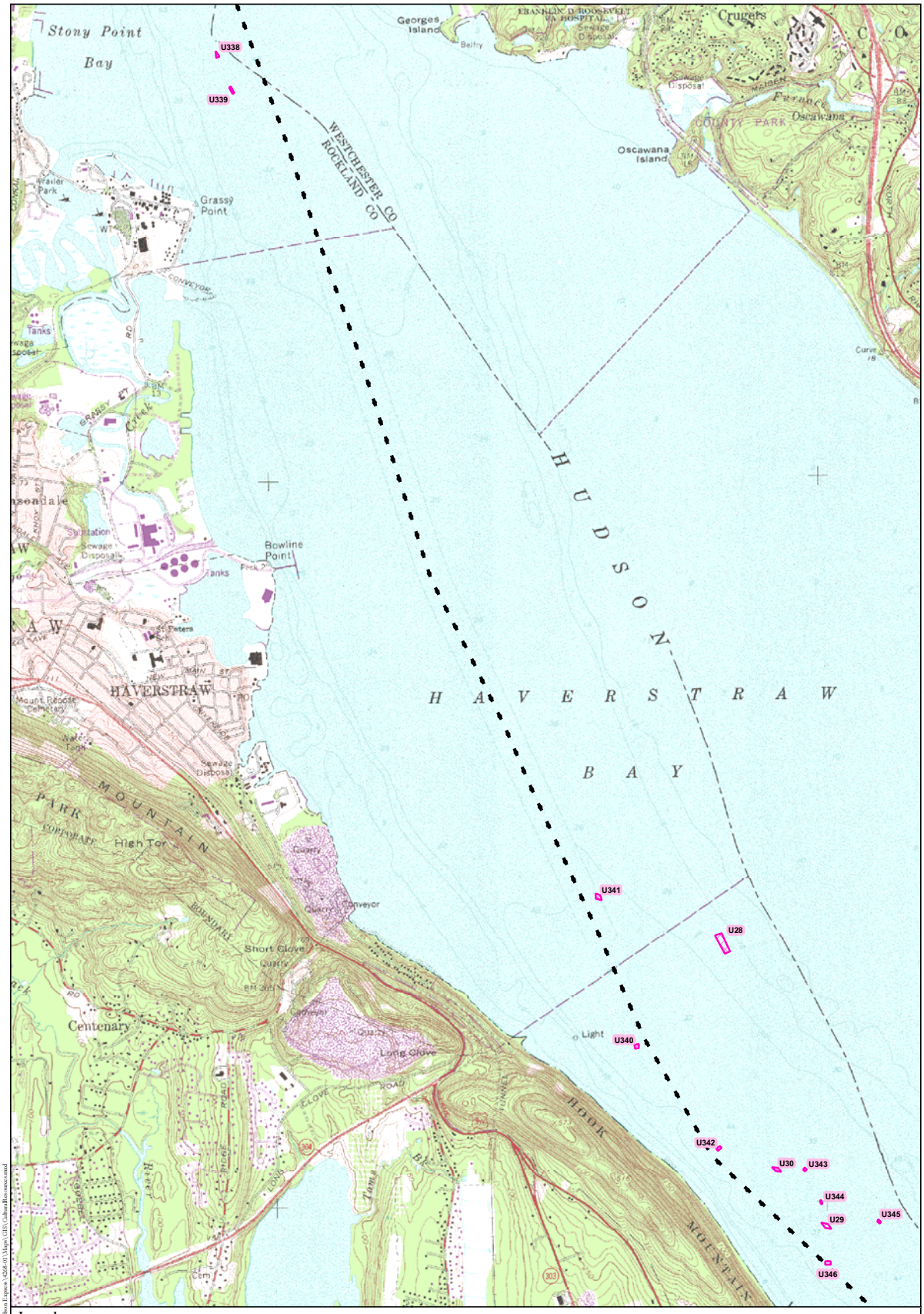
Note: Contour interval is 10 feet.

Underwater Resource Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 64 c

ES February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268-01\Maps\GIS\CulturalResources.mxd



Legend

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N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

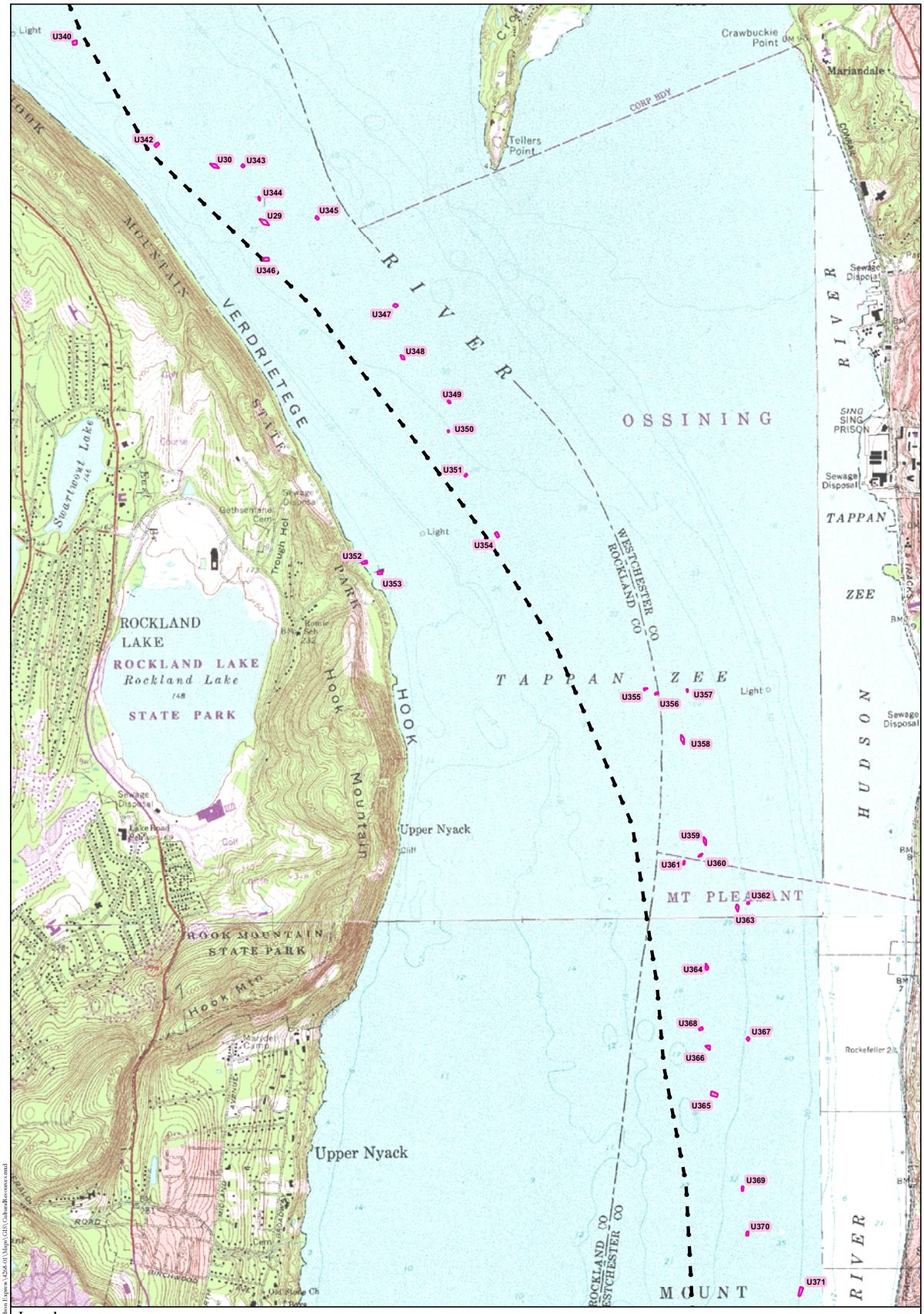
Note: Contour interval is 10 feet.

Underwater Resource Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 65 c

DS February 16, 2010 R:\Active Projects\4268 Orange-Hudson Express\4268-01\Maps\GIS\CulturalResources.mxd



Legend

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- U## Underwater Site or Anomaly ID (See Appendix 3)
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N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

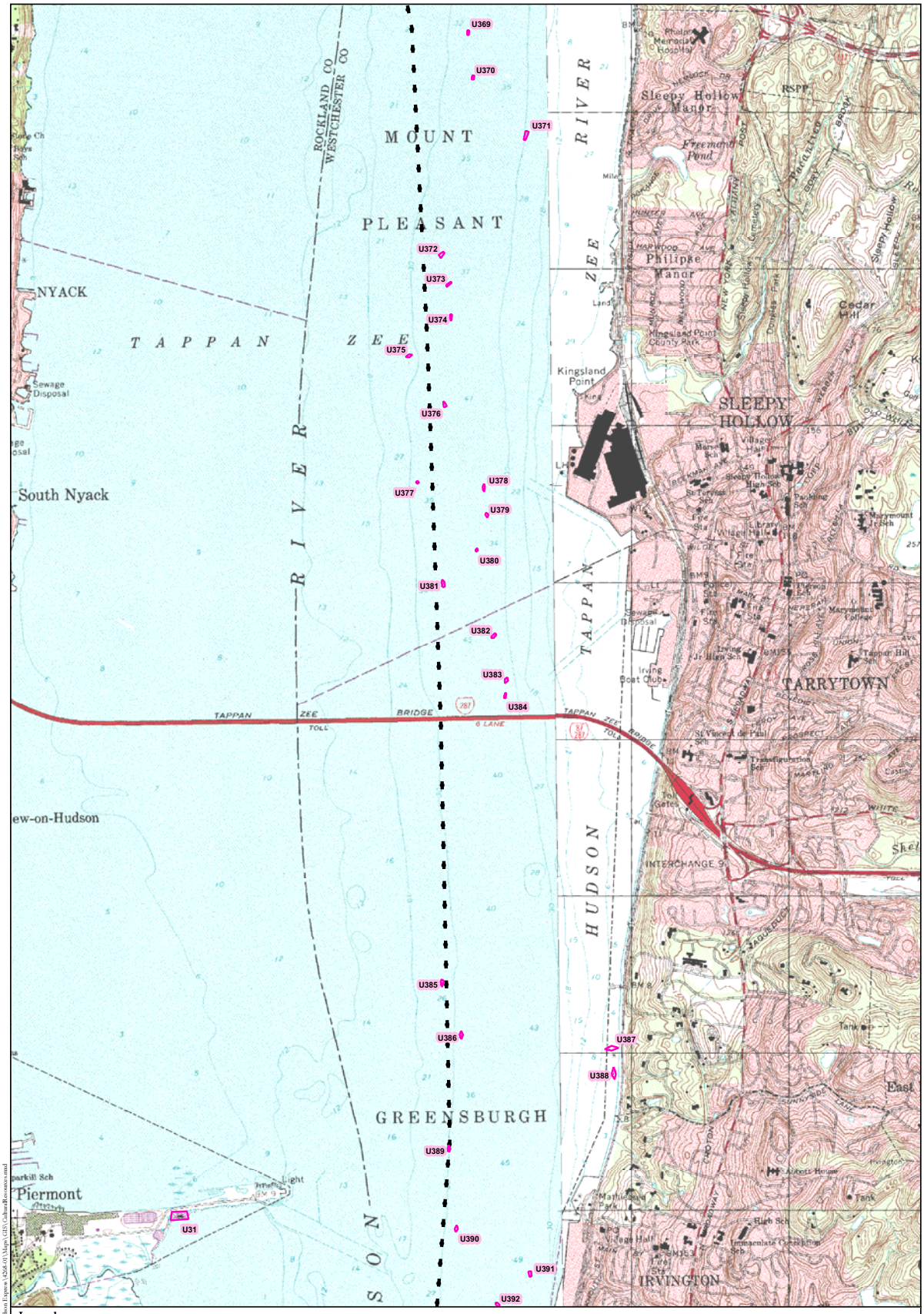
Note: Contour interval is 10 feet.

Underwater Resource Locations
(HAA, Inc. 2010)

HARTGEN
archeological associates inc

Map 66 c

ES February 16, 2010 R:\Active Projects\4268-01\Maps\GIS\CulturalResources.mxd



Legend

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- U## Underwater Site or Anomaly ID (See Appendix 3)
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N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

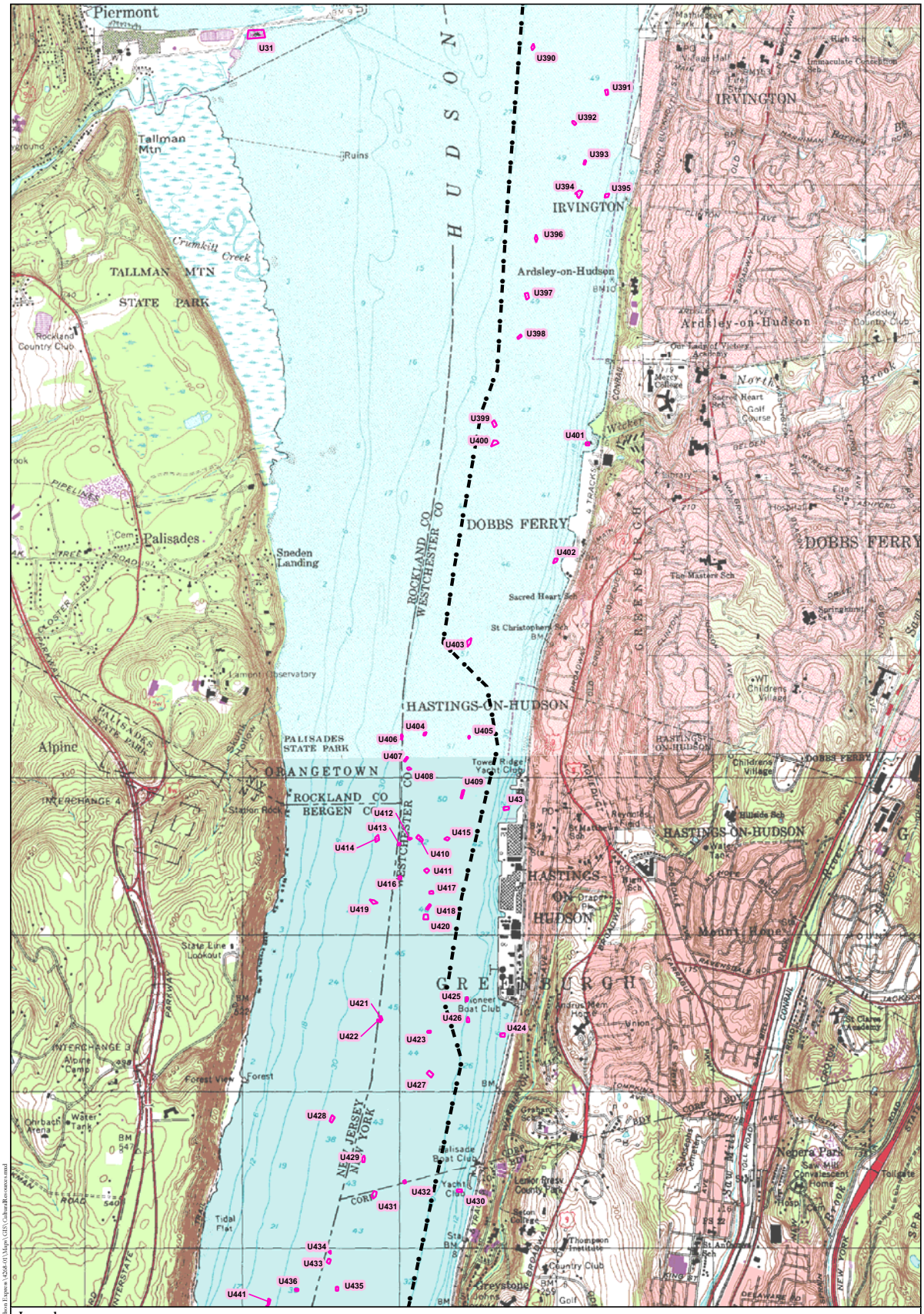
Note: Contour interval is 10 feet.

Underwater Resource Locations
(HAA, Inc. 2010)

HARTGEN
archeological associates inc

Map 67 c

DS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268-01\Maps\GIS\CultureResources.mxd



Legend

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N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

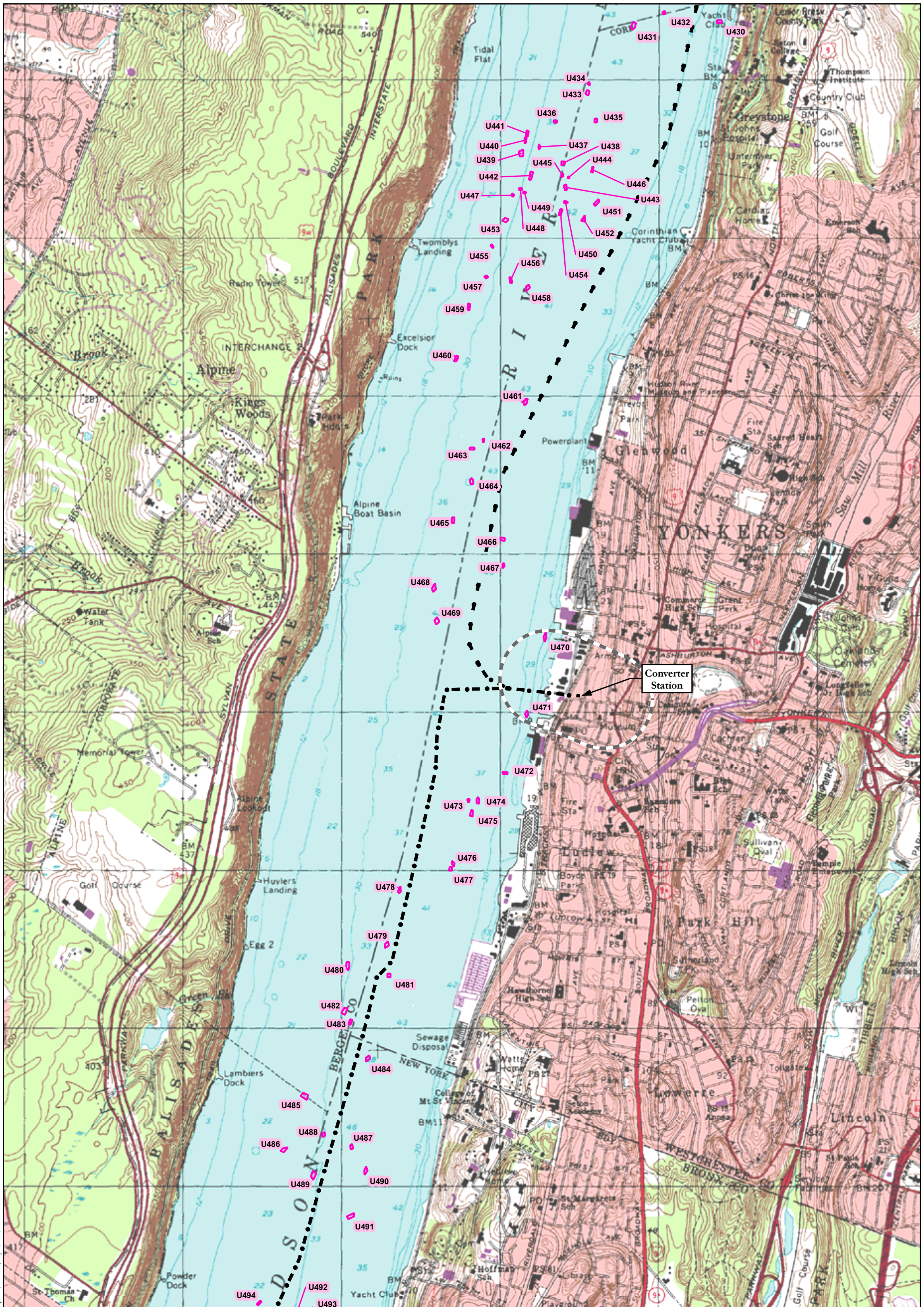
Note: Contour interval is 10 feet.

Underwater Resource Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 68 c

IS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268.01\Maps\GIS\CulturalResources.mxd



Legend

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N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

Note: Contour interval is 10 feet.

Underwater Resource Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 69 c

ES February 16, 2010 R:\Active Projects\4268 Oswego-Hudson Express\4268.01\Maps\GIS\CulturalResources.mxd

Legend

- Lake Champlain Maritime Museum (LC) Site
- LC## LC Site ID (See Appendix 3)
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- U## Underwater Site or Anomaly ID (See Appendix 3)
- Proposed Alignment
- Overland Study Area
- LCMM Shipwreck Survey Area

N

1,000 0 1,000 2,000 Feet

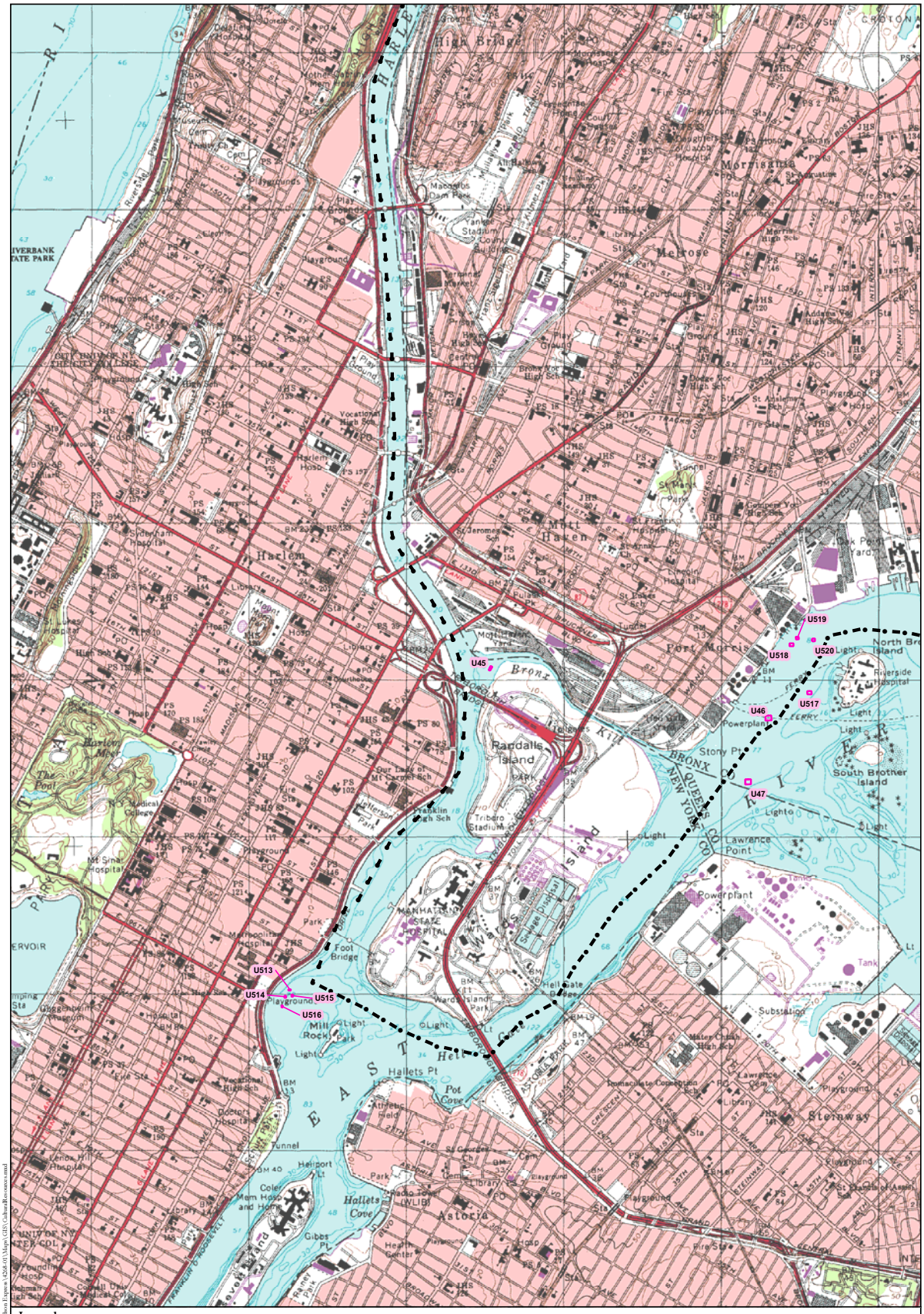
300 0 300 600 Meters

Note: Contour interval is 10 feet.

Underwater Resource Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 70 c



Legend

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N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

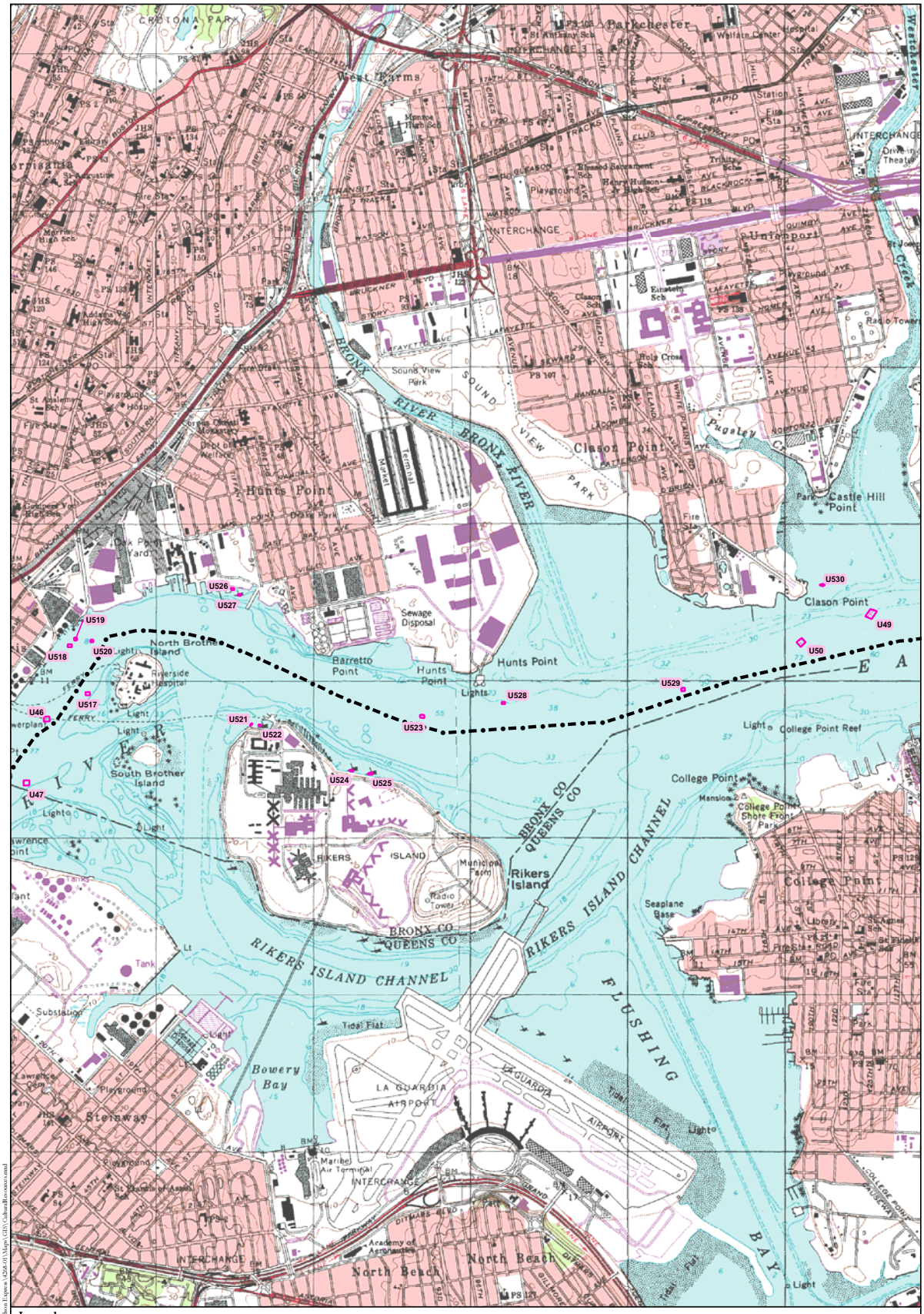
Note: Contour interval is 10 feet.

Underwater Resource Locations
(HAA, Inc. 2010)

HARTGEN
archeological associates inc

Map 71 c

JS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268-01\Maps\GIS\CulturalResources.mxd



Legend

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- U## Underwater Site or Anomaly ID (See Appendix 3)
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N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

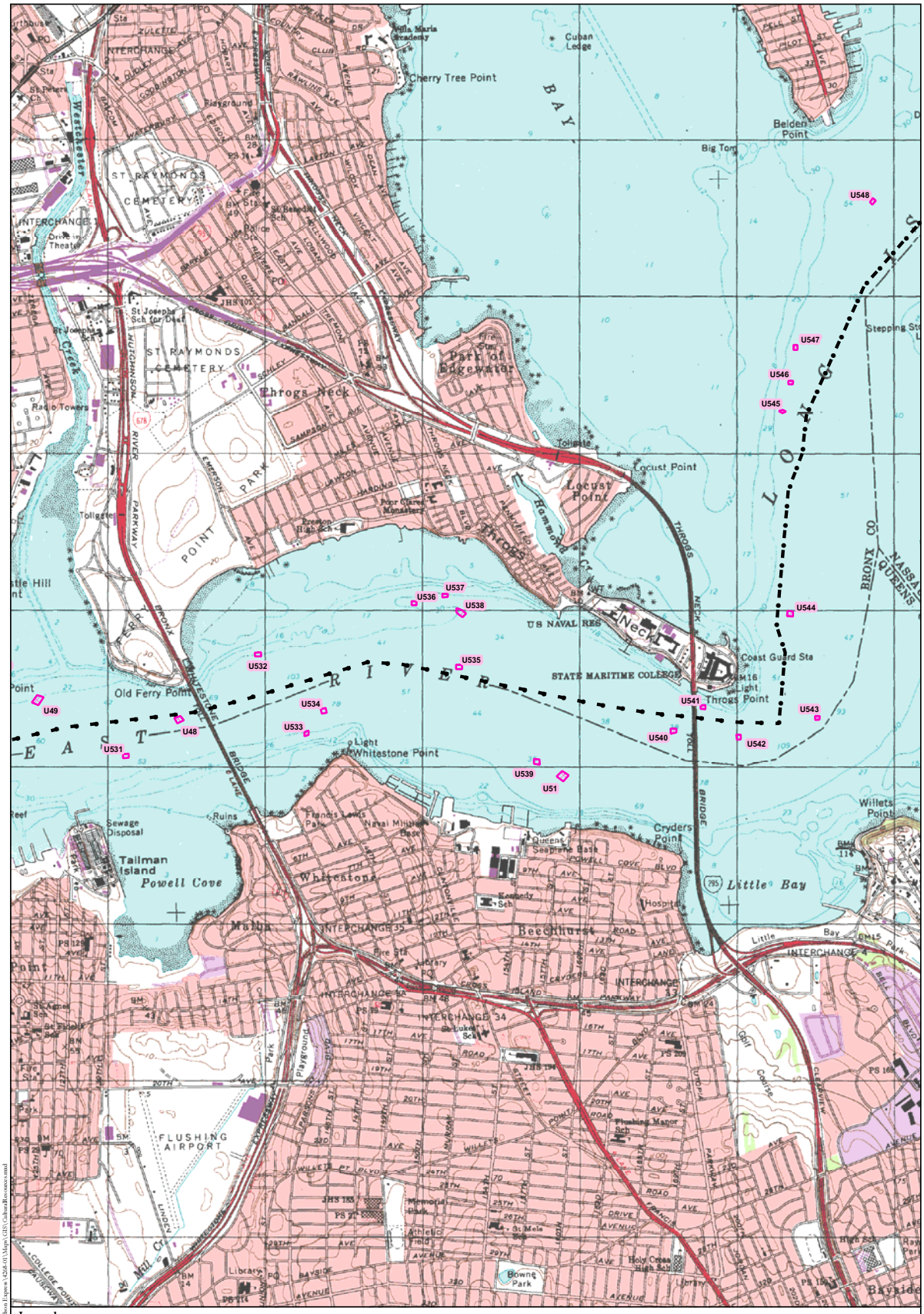
Note: Contour interval is 10 feet.

Underwater Resource Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 72 c

JS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268-01\Maps\GIS\CulturalResources.mxd



Legend

- Lake Champlain Maritime Museum (LC) Site
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N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

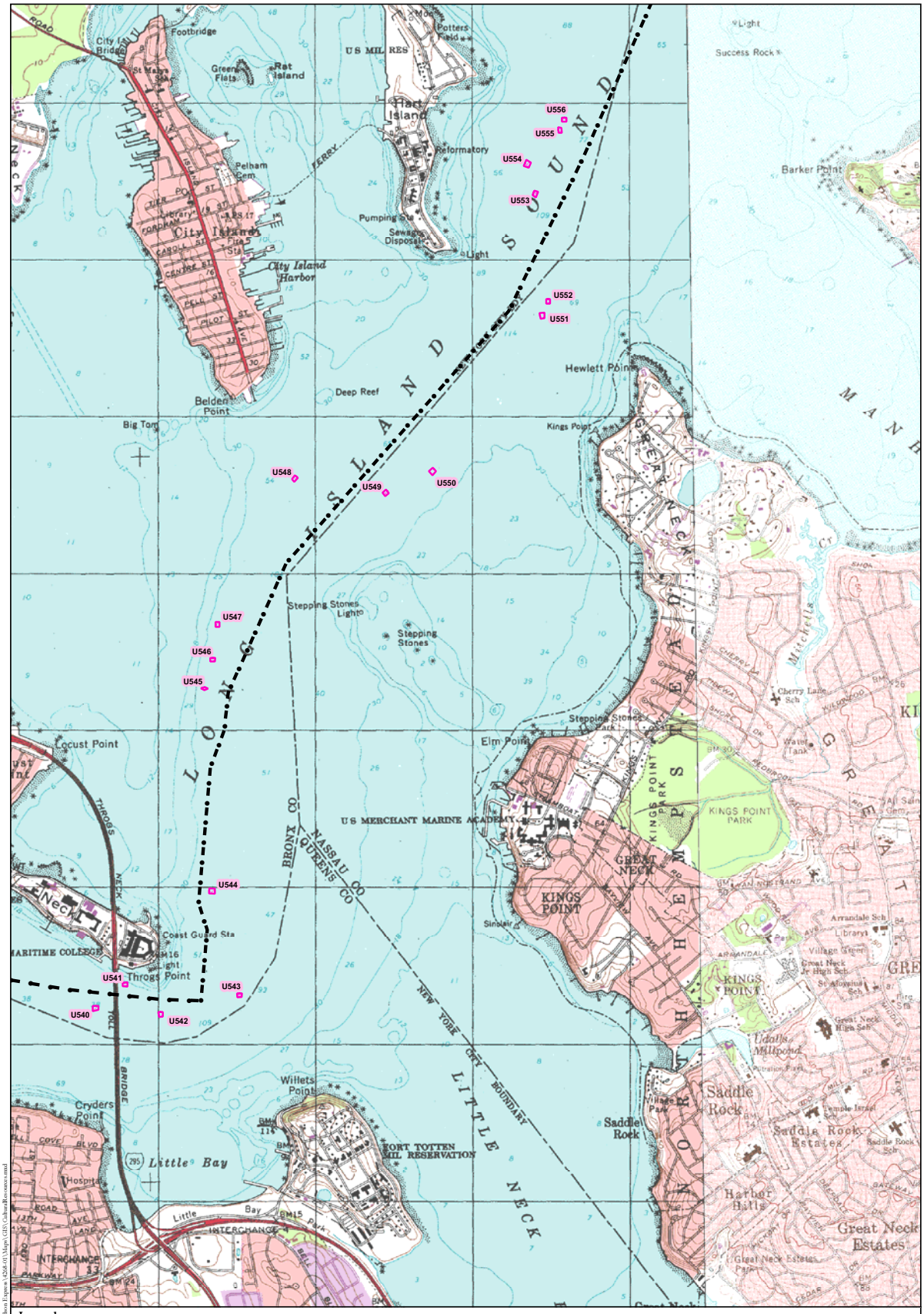
Note: Contour interval is 10 feet.

Underwater Resource Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 73 c

DS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268-01\Maps\GIS\CulturalResources.mxd



Legend

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N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

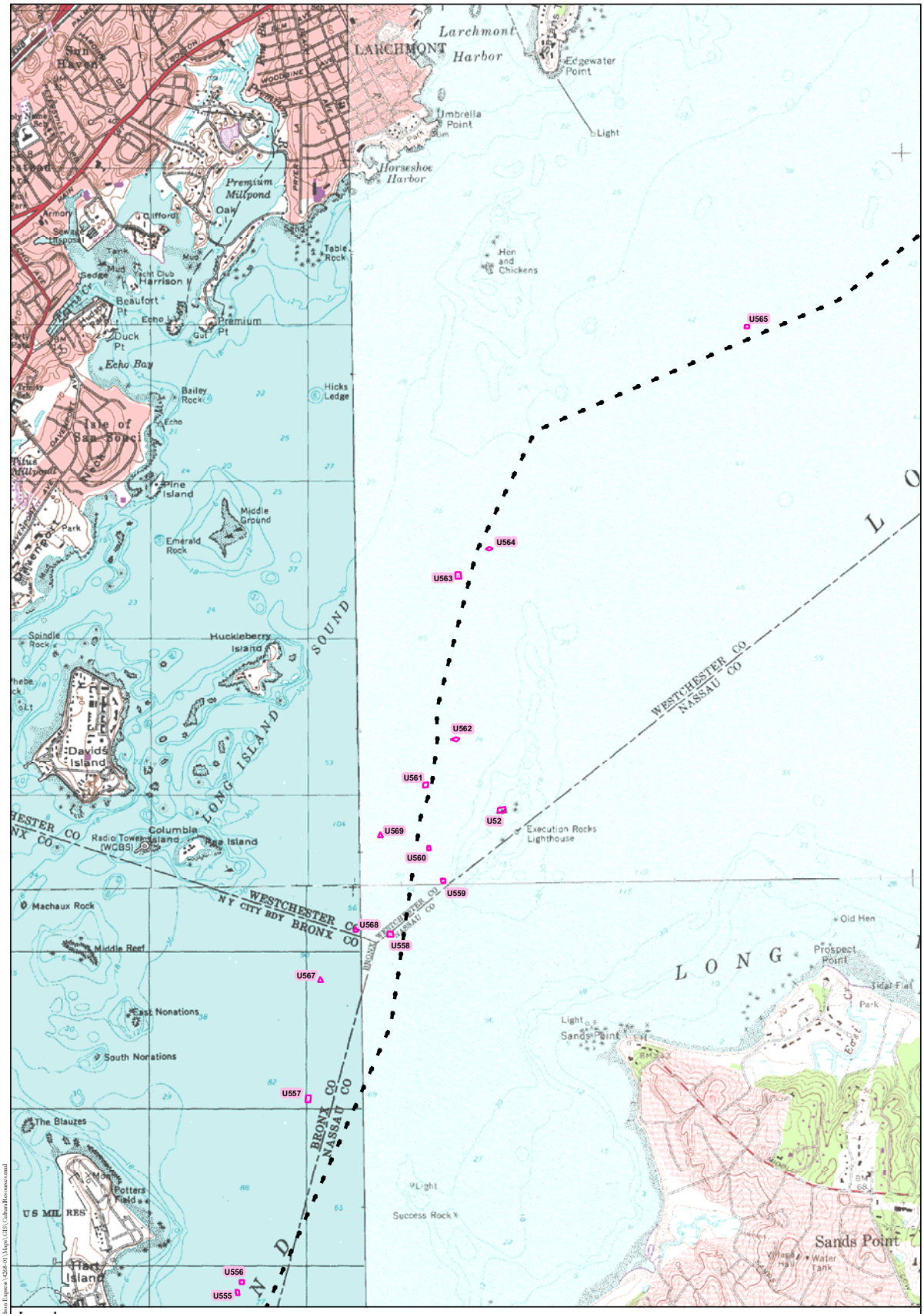
Note: Contour interval is 10 feet.

Underwater Resource Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 74 c

DS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268-01\Maps\GIS\CultureResources.mxd



Legend

- Lake Champlain Maritime Museum (LC) Site
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N

1,000 0 1,000 2,000 Feet

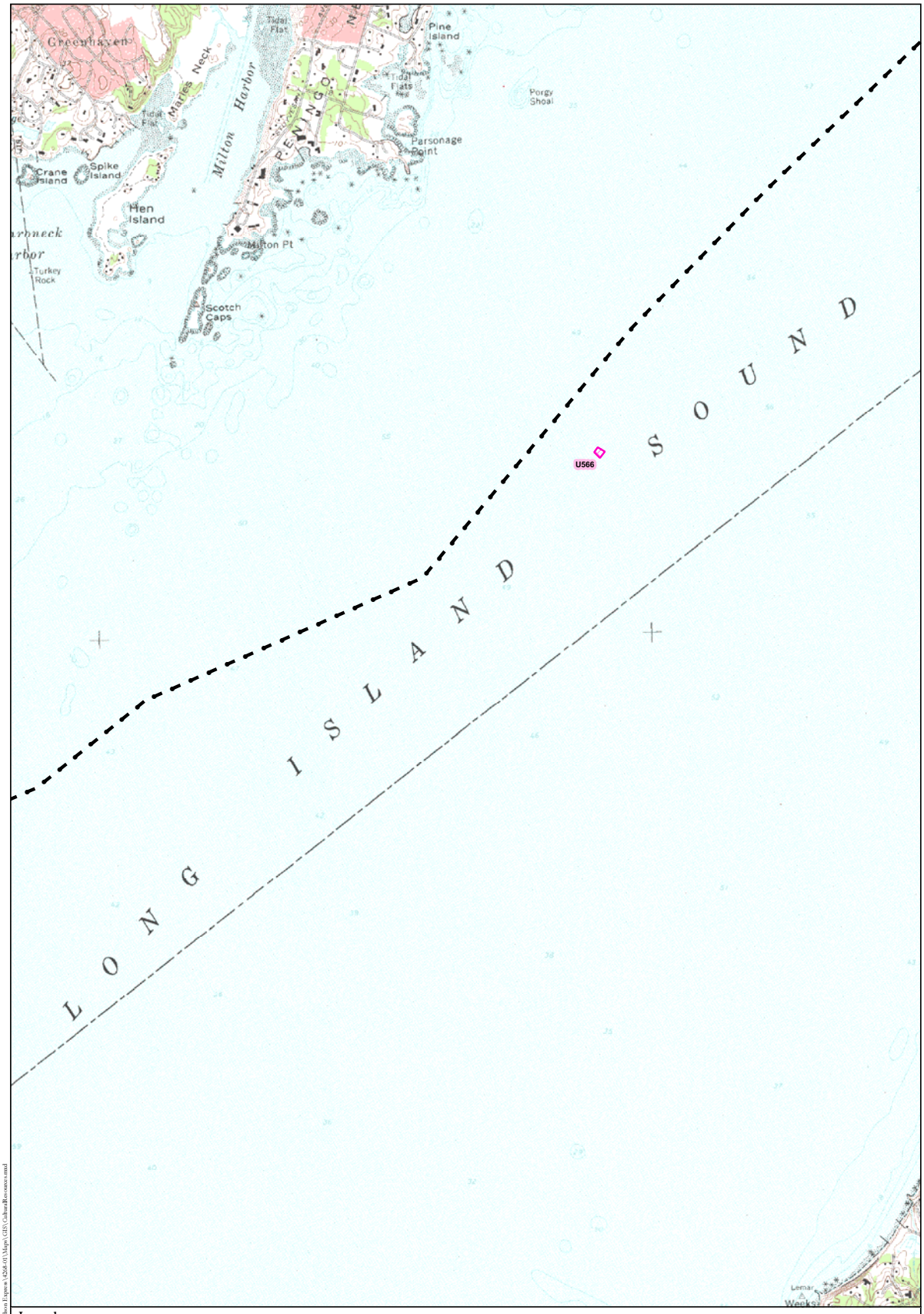
300 0 300 600 Meters

Note: Contour interval is 10 feet.

Underwater Resource Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 75 c



Legend

- Lake Champlain Maritime Museum (LC) Site
- LC## LC Site ID (See Appendix 3)
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N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

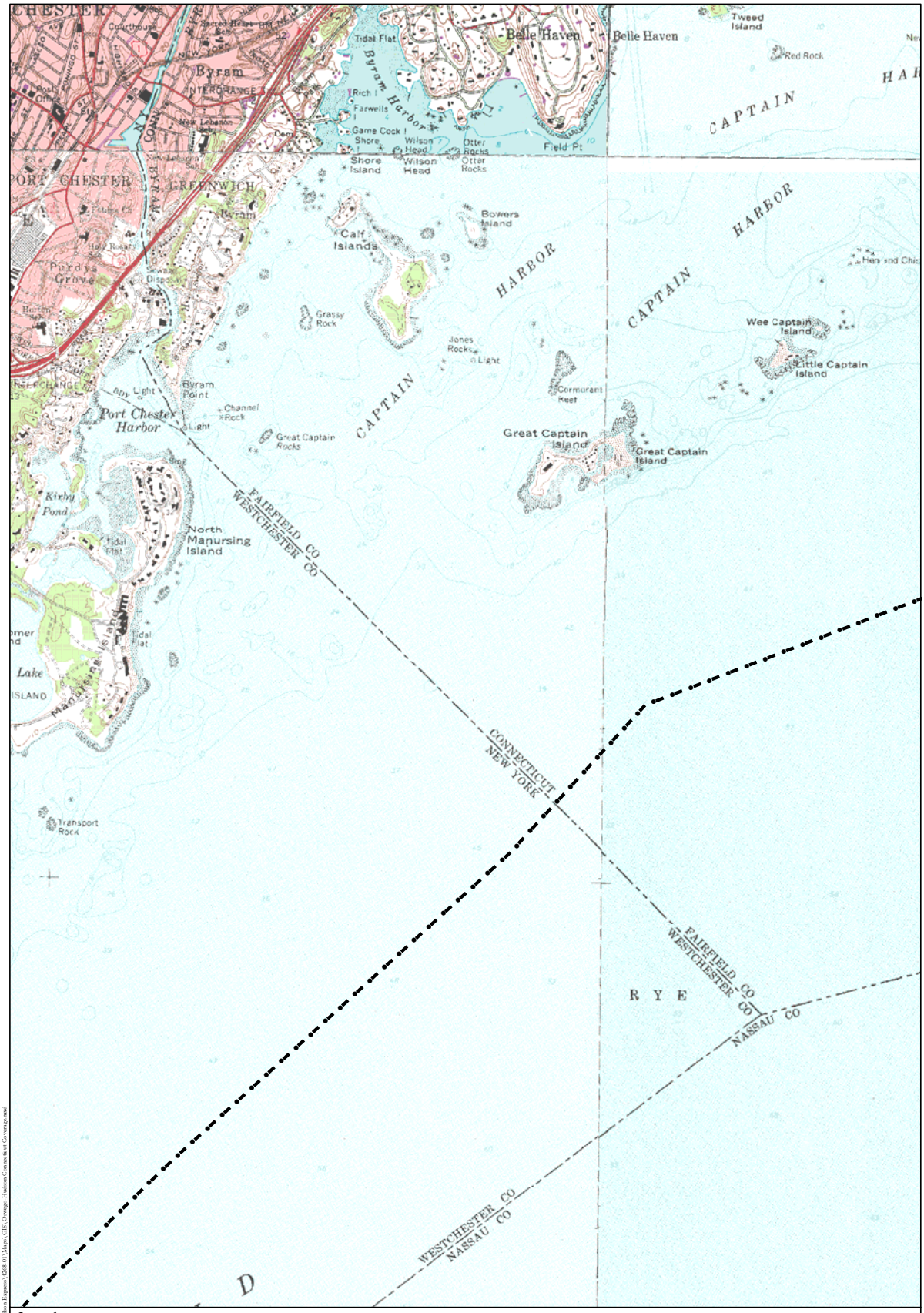
Note: Contour interval is 10 feet.

Underwater Resource Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 76 c

JS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268-01\Maps\GIS\CulturalResources.mxd



Legend

- Lake Champlain Maritime Museum (LC) Site
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N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

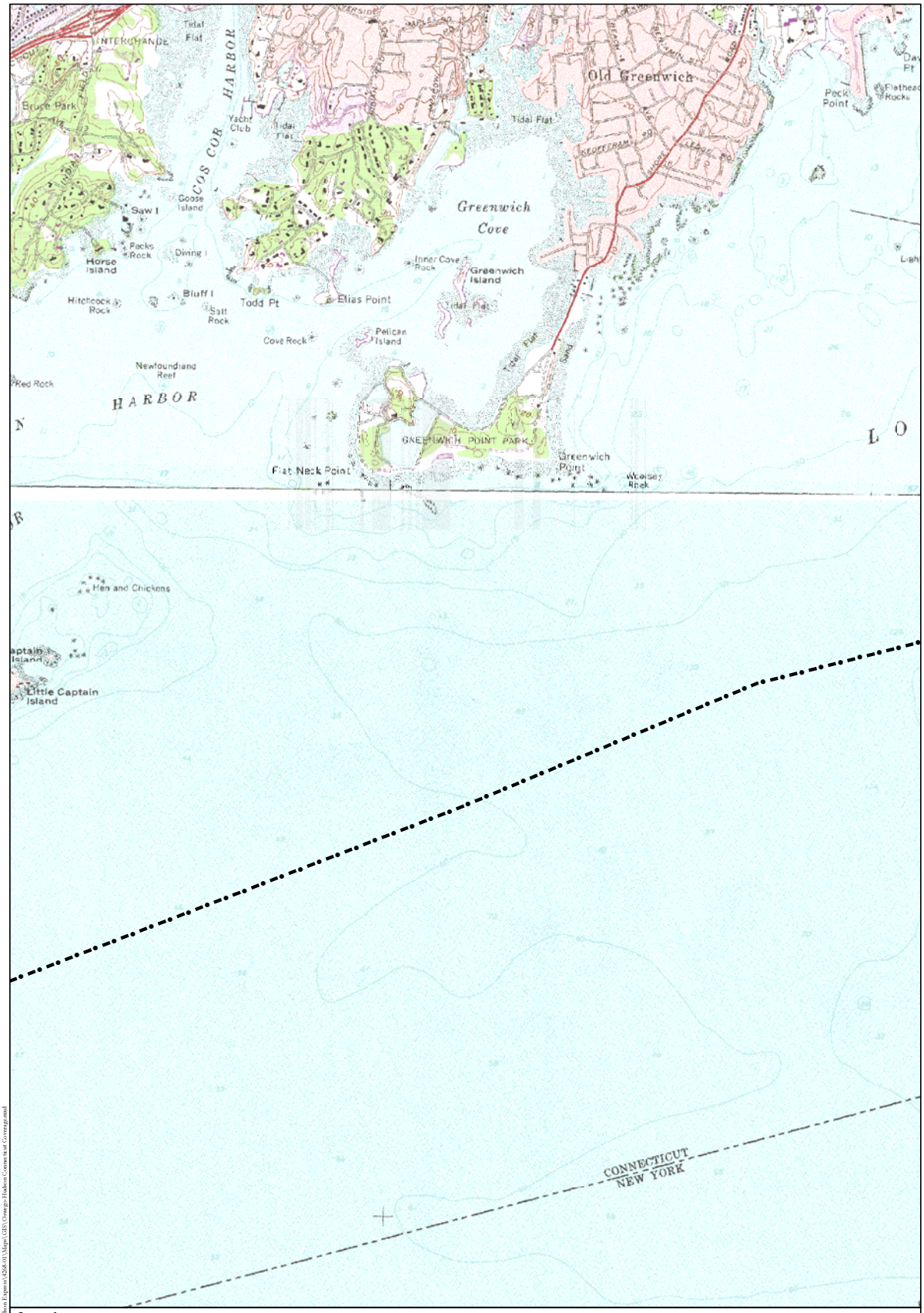
Note: Contour interval is 10 feet.

Underwater Resource Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 77 c

IS February 24, 2010 R:\Active Projects\4268 Orange-Hudson Express\4268-01\Maps\GIS\Orange-Hudson Connecticut Coverage.mxd



Legend

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N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

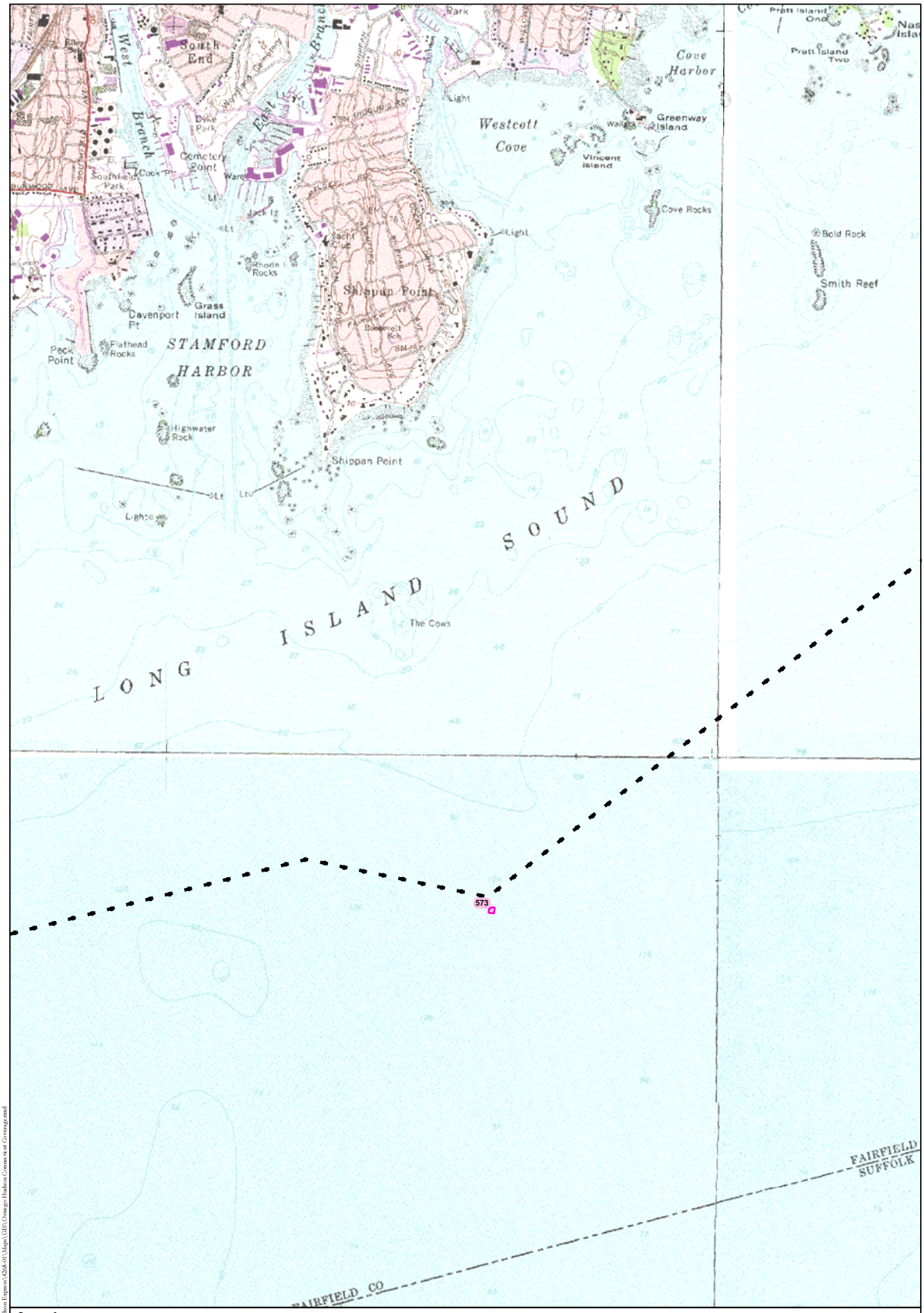
Note: Contour interval is 10 feet.

Underwater Resource Locations
(HAA, Inc. 2010)

HARTGEN archeological associates Inc

Map 78 c

IS February 24, 2010 R:\Active Projects\4268 Orange-Hudson Express\4268-01\Maps\GIS\Orange-Hudson Connecticut Coverage.mxd



Legend

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N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

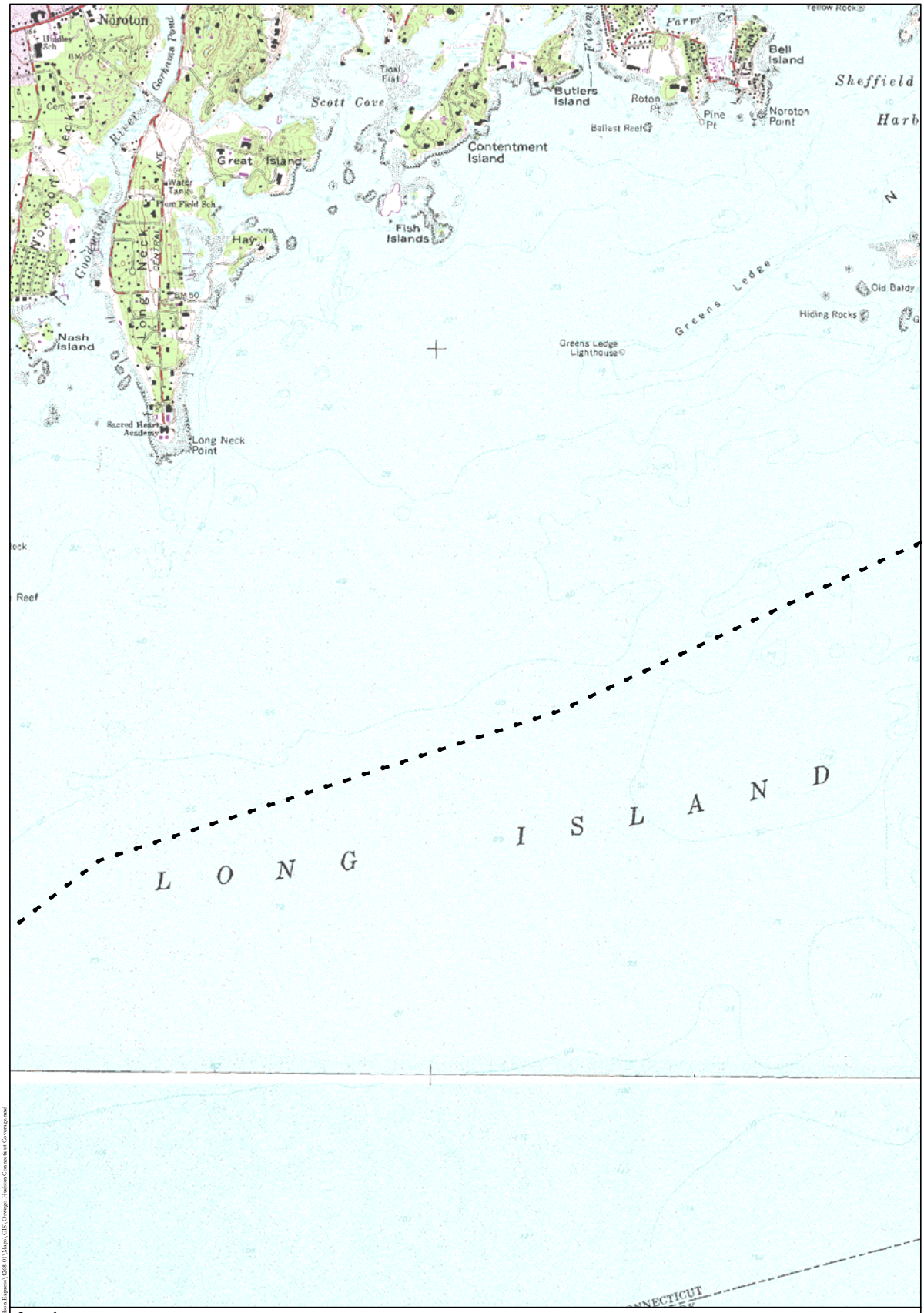
Note: Contour interval is 10 feet.

Underwater Resource Locations
(HAA, Inc. 2010)

HARTGEN archeological associates Inc

Map 79 c

ES February 24, 2010 R:\Active Projects\4268 Orange-Hudson Express\4268-01\Maps\GIS\Orange-Hudson Connecticut Coverage.mxd



Legend

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- U## Underwater Site or Anomaly ID (See Appendix 3)
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- LCMM Shipwreck Survey Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

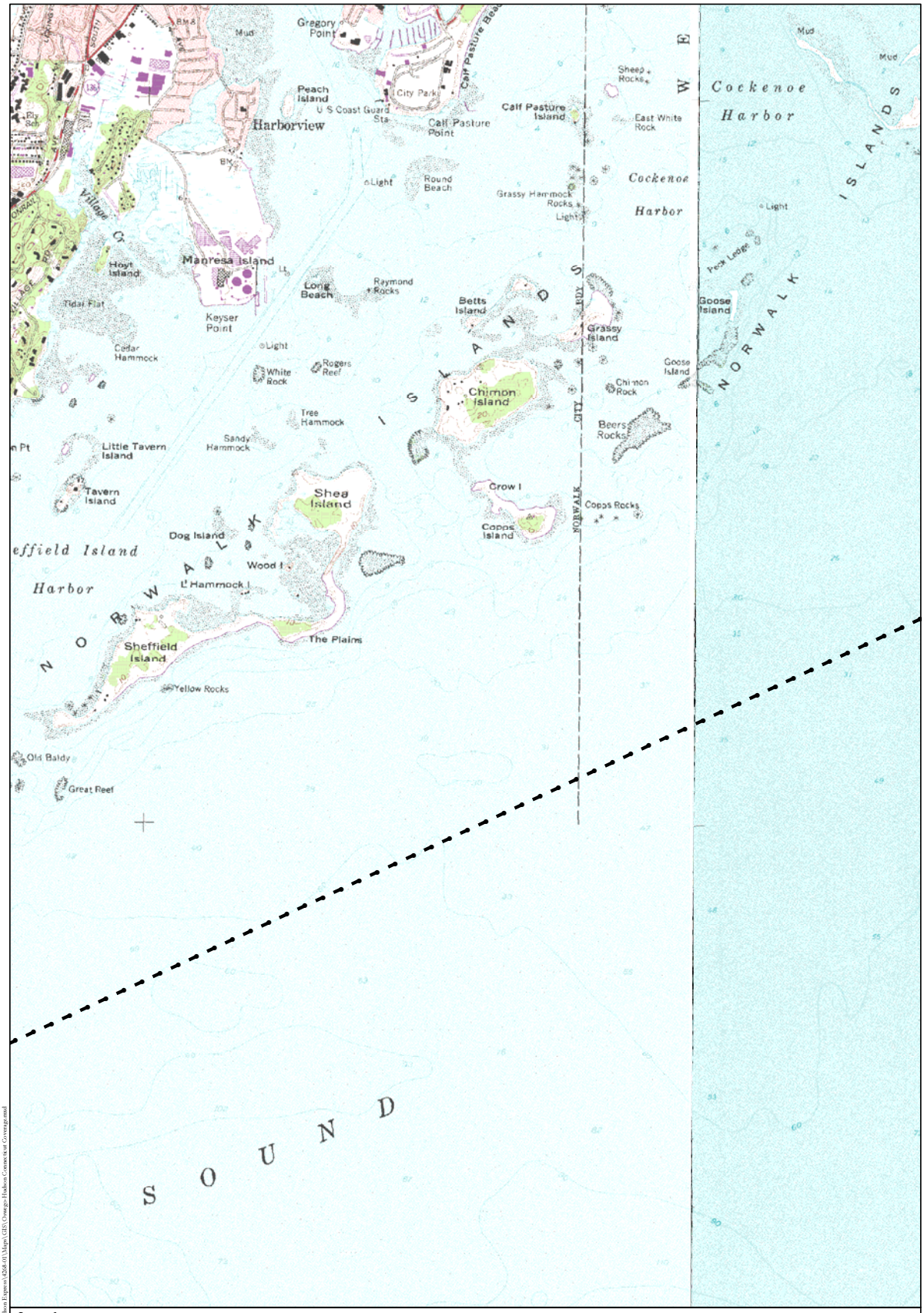
Note: Contour interval is 10 feet.

Underwater Resource Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 80 c

IS February 24, 2010 R:\Active Projects\4268 Orange-Hudson Express\4268-01\Maps\GIS\Orange-Hudson Connecticut Coverage.mxd



Legend

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- U## Underwater Site or Anomaly ID (See Appendix 3)
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- LCMM Shipwreck Survey Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

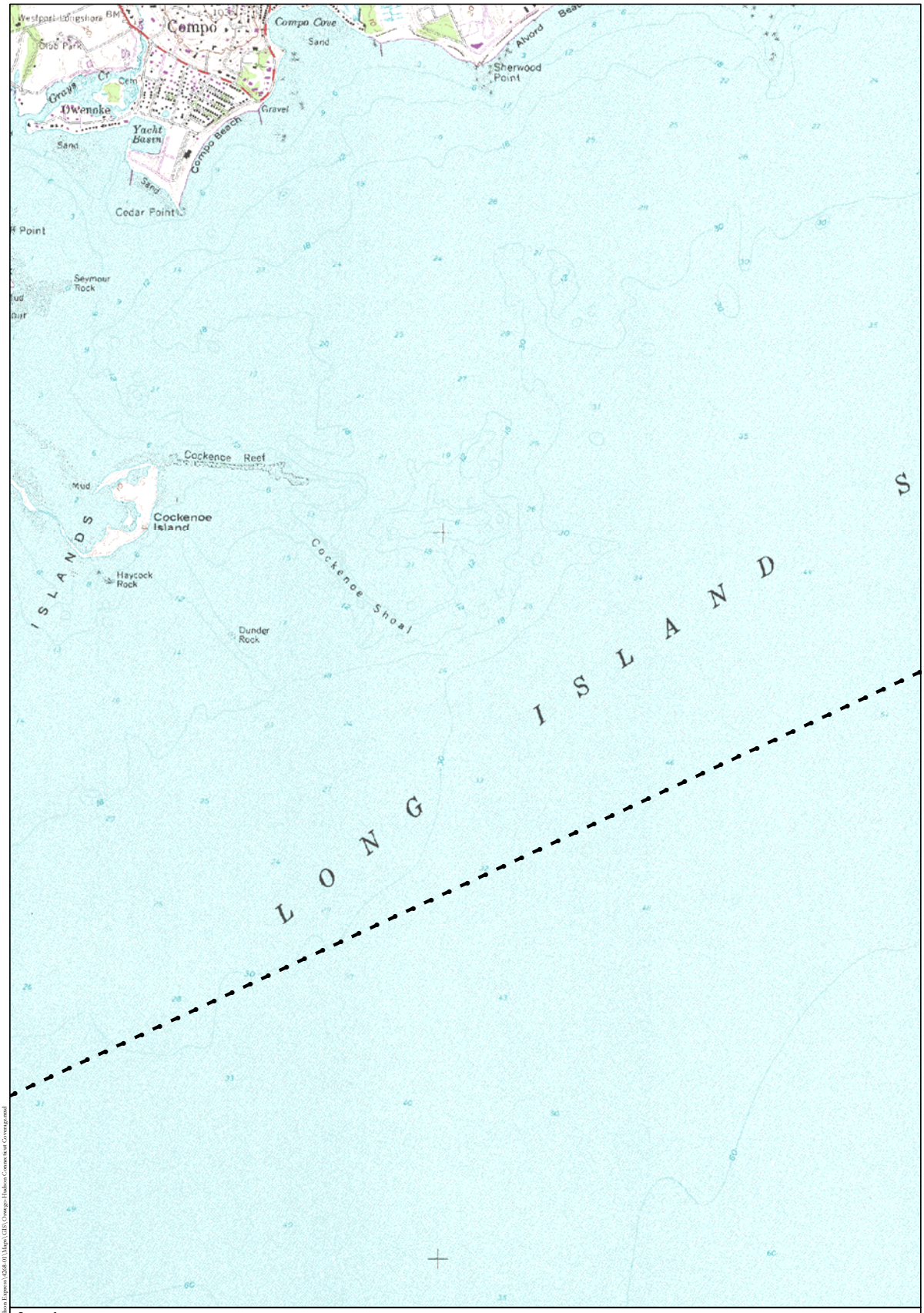
Note: Contour interval is 10 feet.

Underwater Resource Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 81 c

IS February 24, 2010 R:\Active Projects\4268 Orange-Hudson Express\4268-01\Maps\GIS\Orange-Hudson Connecticut Coverage.mxd



Legend

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- U## Underwater Site or Anomaly ID (See Appendix 3)
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N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

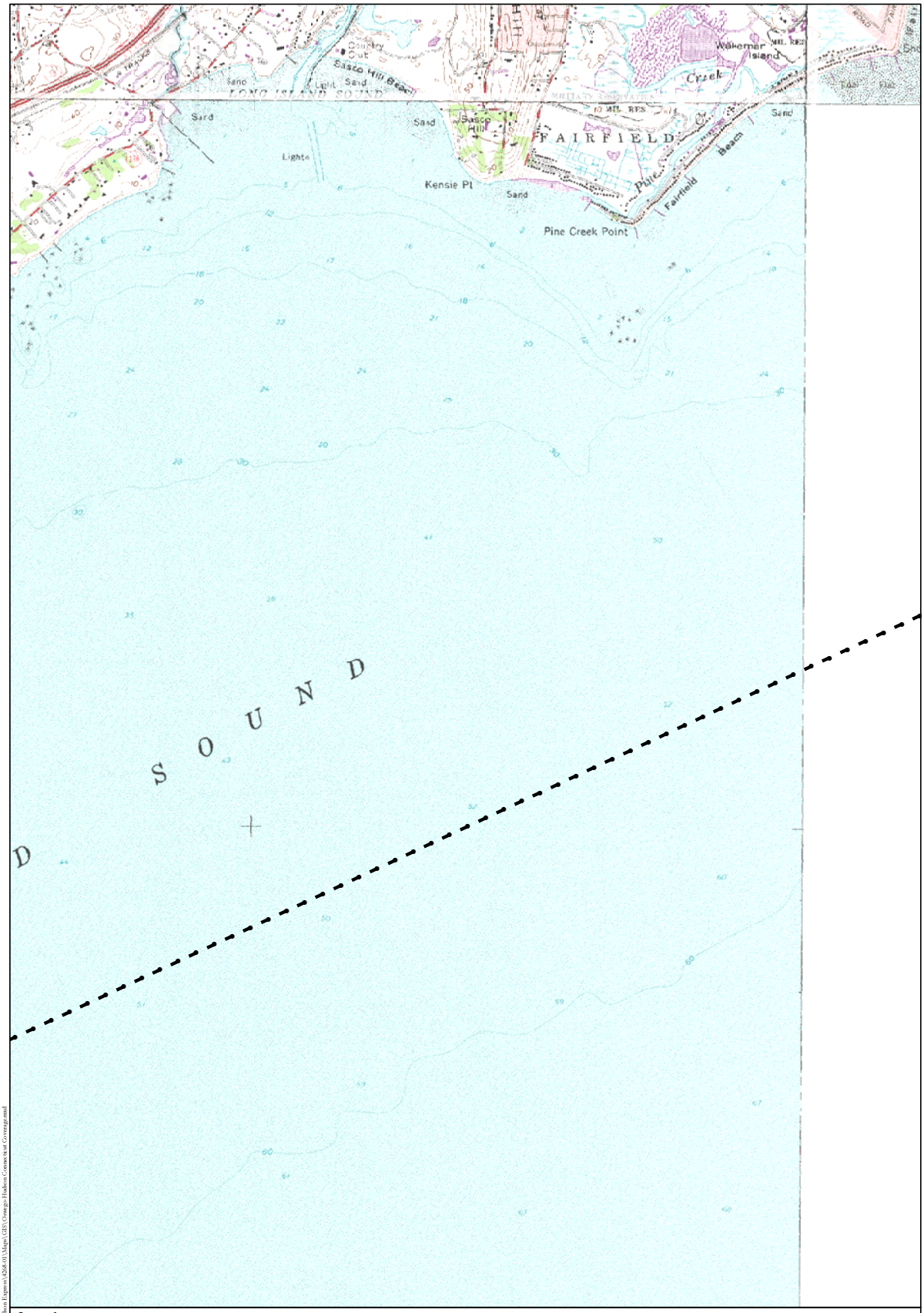
Note: Contour interval is 10 feet.

Underwater Resource Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 82 c

ES February 24, 2010 R:\Active Projects\4268 Orange-Hudson Express\4268-01\Maps\GIS\Orange-Hudson Connecticut Coverage.mxd



Legend

- Lake Champlain Maritime Museum (LC) Site
- LC## LC Site ID (See Appendix 3)
- Underwater Site or Anomaly
- U## Underwater Site or Anomaly ID (See Appendix 3)
- Proposed Alignment
- Overland Study Area
- LCMM Shipwreck Survey Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

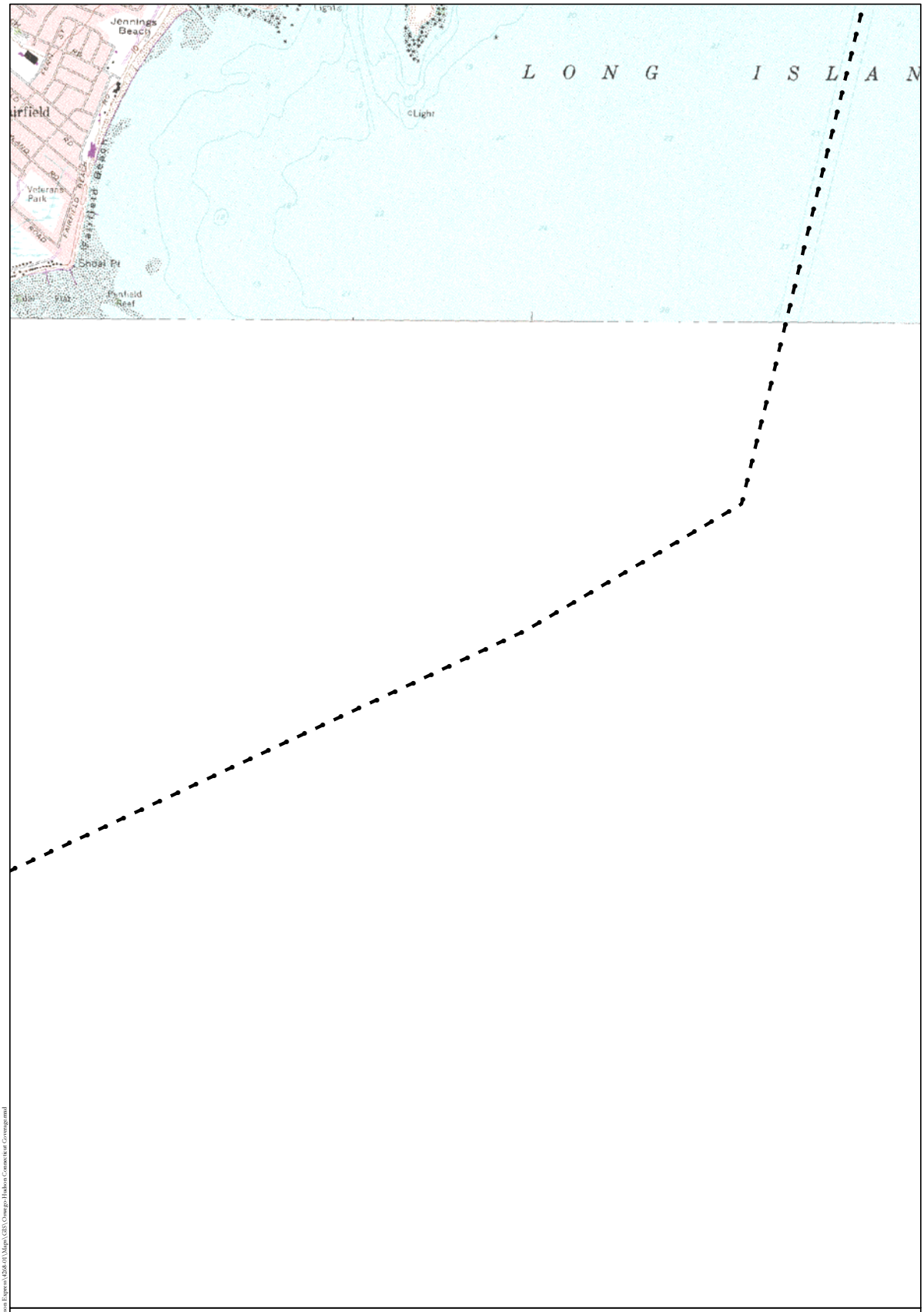
Note: Contour interval is 10 feet.

Underwater Resource Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 83 c

ES February 24, 2010 R:\Active Projects\4268 Orange-Hudson Express\4268-01\Maps\GIS\Orange-Hudson Connecticut Coverage.mxd



Legend

- Lake Champlain Maritime Museum (LC) Site
- LC## LC Site ID (See Appendix 3)
- Underwater Site or Anomaly
- U## Underwater Site or Anomaly ID (See Appendix 3)
- Proposed Alignment
- Overland Study Area
- LCMM Shipwreck Survey Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

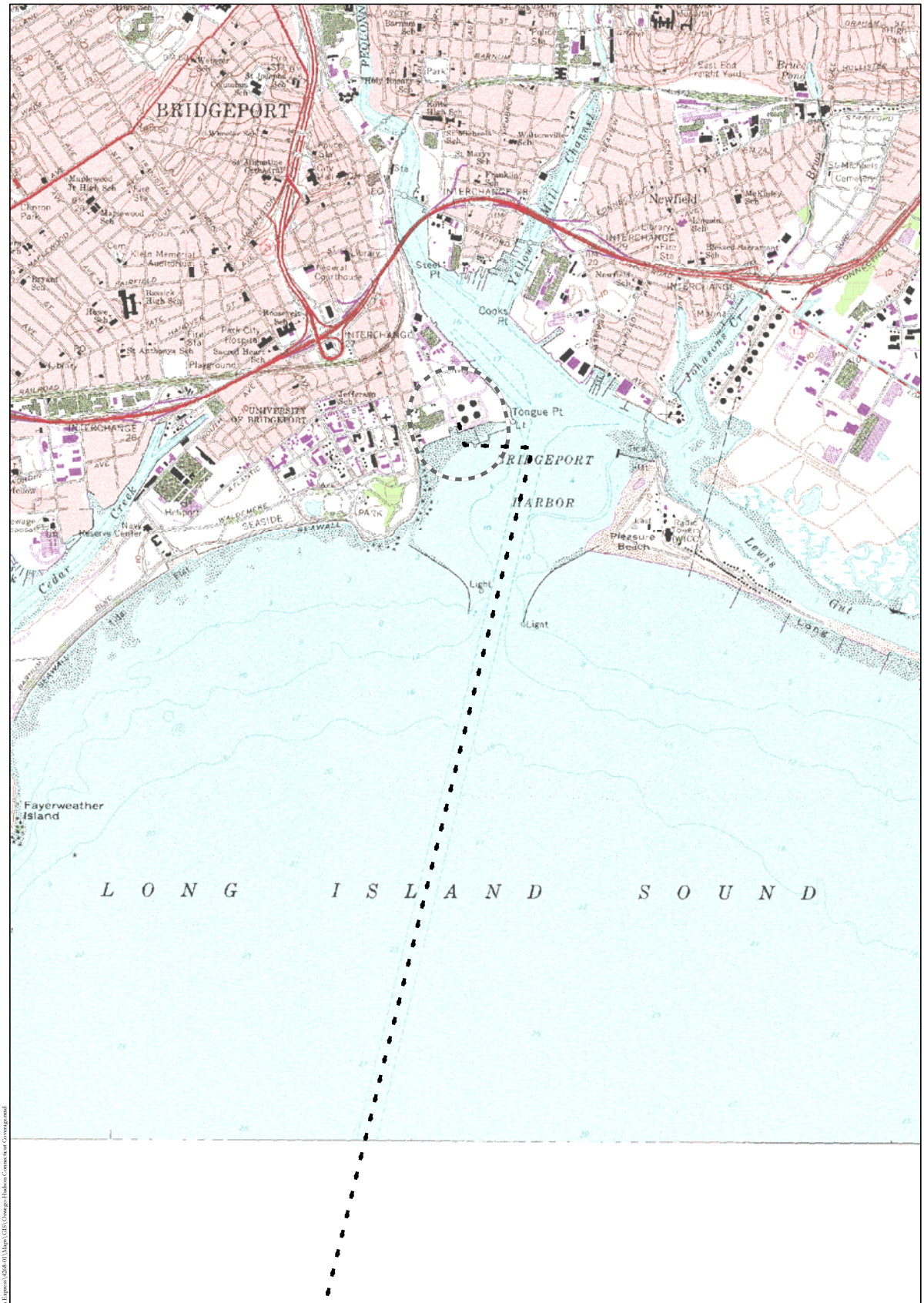
Note: Contour interval is 10 feet.

Underwater Resource Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 84 c

ES February 24, 2010 R:\Active Projects\4268 Orange-Hudson Express\4268-01\Maps\GIS\Orange-Hudson Connecticut Coverage.mxd



Legend

- Lake Champlain Maritime Museum (LC) Site
- LC## LC Site ID (See Appendix 3)
- Underwater Site or Anomaly
- U## Underwater Site or Anomaly ID (See Appendix 3)
- Proposed Alignment
- Overland Study Area
- LCMM Shipwreck Survey Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

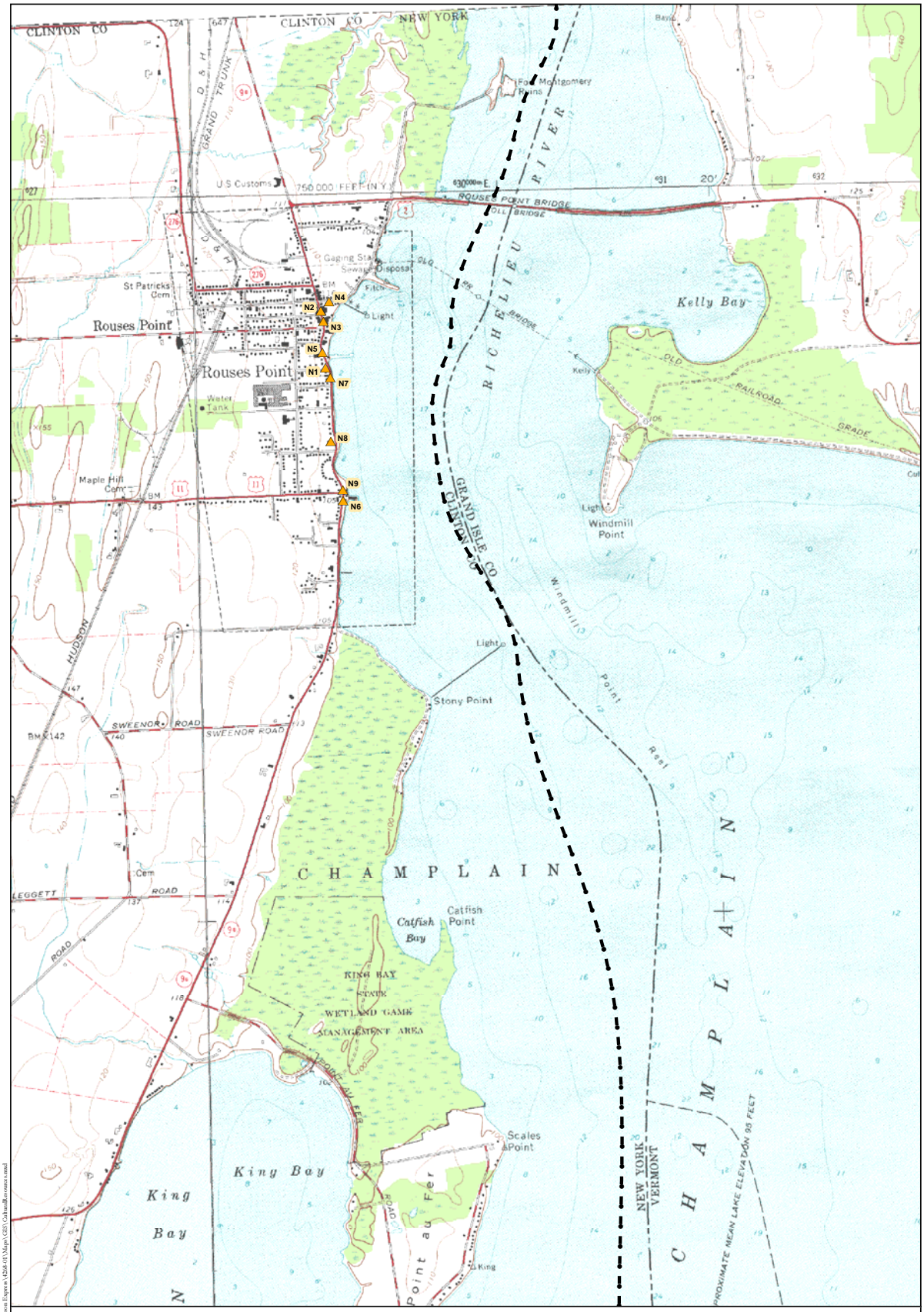
Note: Contour interval is 10 feet.

Underwater Resource Locations
(HAA, Inc. 2010)

HARTGEN archeological associates Inc

Map 85 c

IS February 24, 2010 R:\Active Projects\4268 Orange-Hudson Express\4268-01\Maps\GIS\Orange-Hudson Connecticut Coverage.mxd



Legend

- National Register Eligible (NRE) Property
- NRE Property ID (See Appendix 4)
- National Register Listed (NRL) Property
- NRL Property ID (See Appendix 4)
- Proposed Alignment
- Overland Study Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

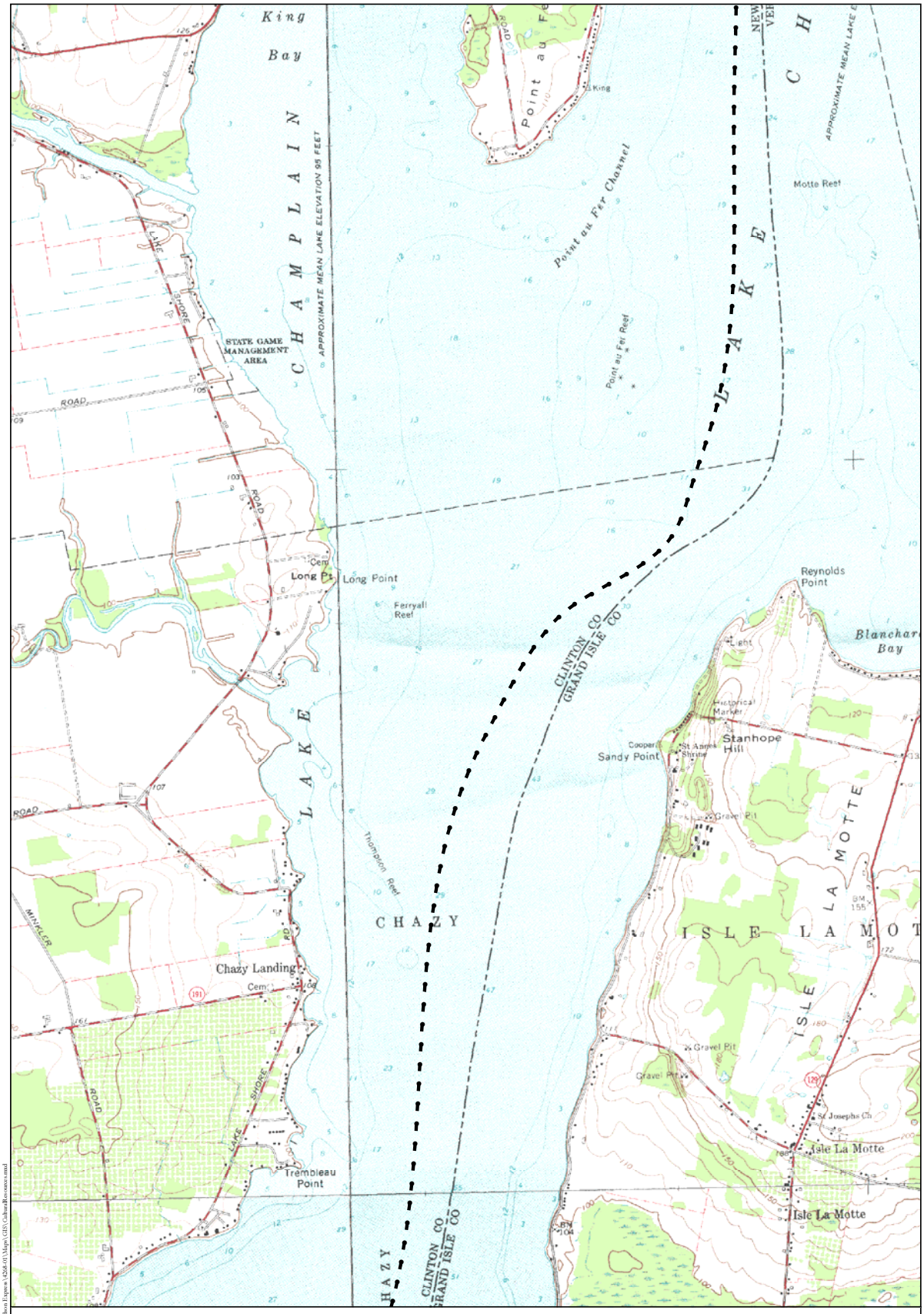
Note: Contour interval is 10 feet.

National Register Eligible and
National Register Listed Property Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 01 d

DS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268-01\Maps\GIS\CulturalResources.mxd



Legend

- National Register Eligible (NRE) Property
- N## NRE Property ID (See Appendix 4)
- National Register Listed (NRL) Property
- N## NRL Property ID (See Appendix 4)
- Proposed Alignment
- Overland Study Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

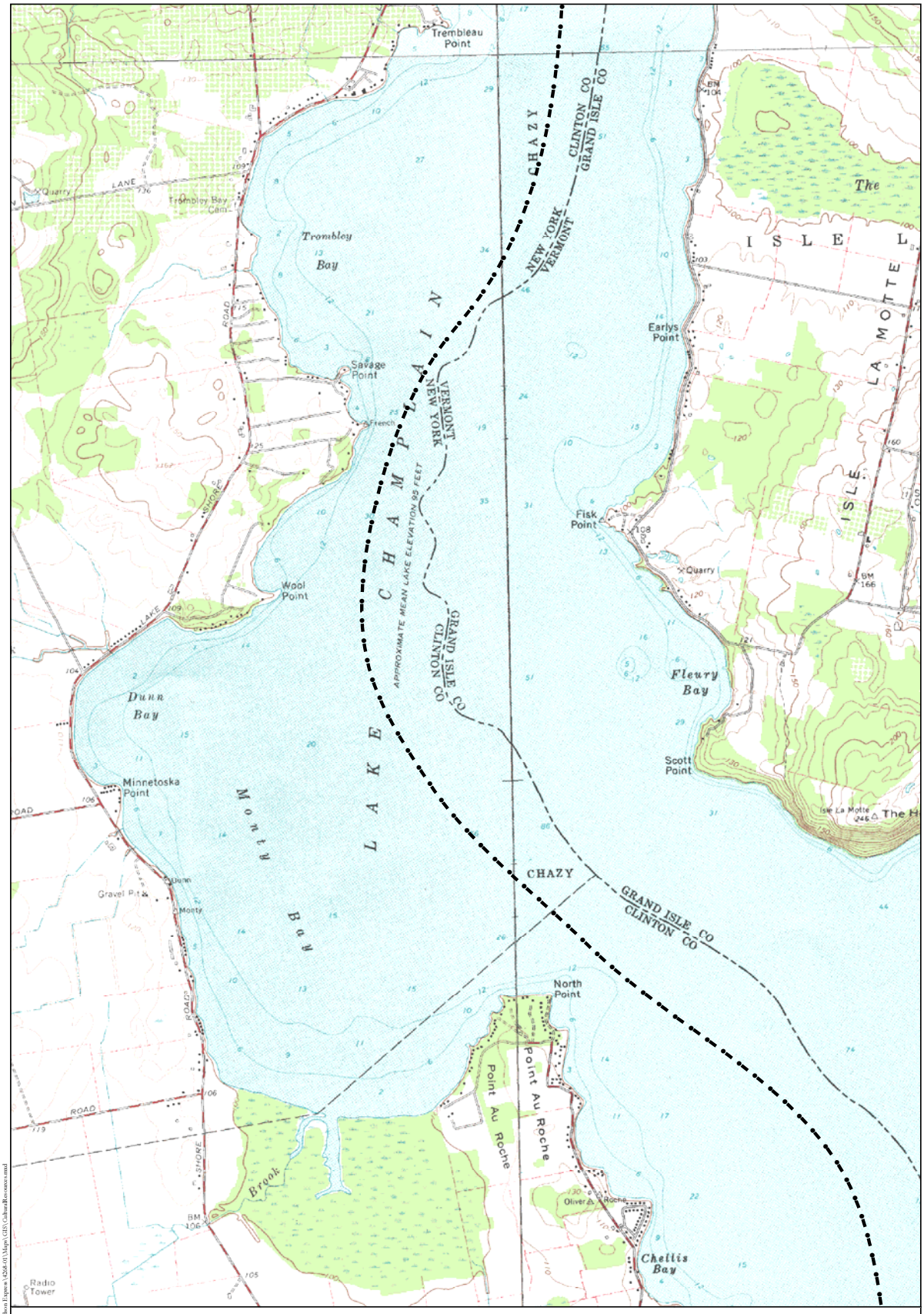
Note: Contour interval is 10 feet.

National Register Eligible and
National Register Listed Property Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 02 d

DS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268-01\Maps\GIS\CulturalResources.mxd



Legend

- National Register Eligible (NRE) Property
- N## NRE Property ID (See Appendix 4)
- National Register Listed (NRL) Property
- N## NRL Property ID (See Appendix 4)
- Proposed Alignment
- Overland Study Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

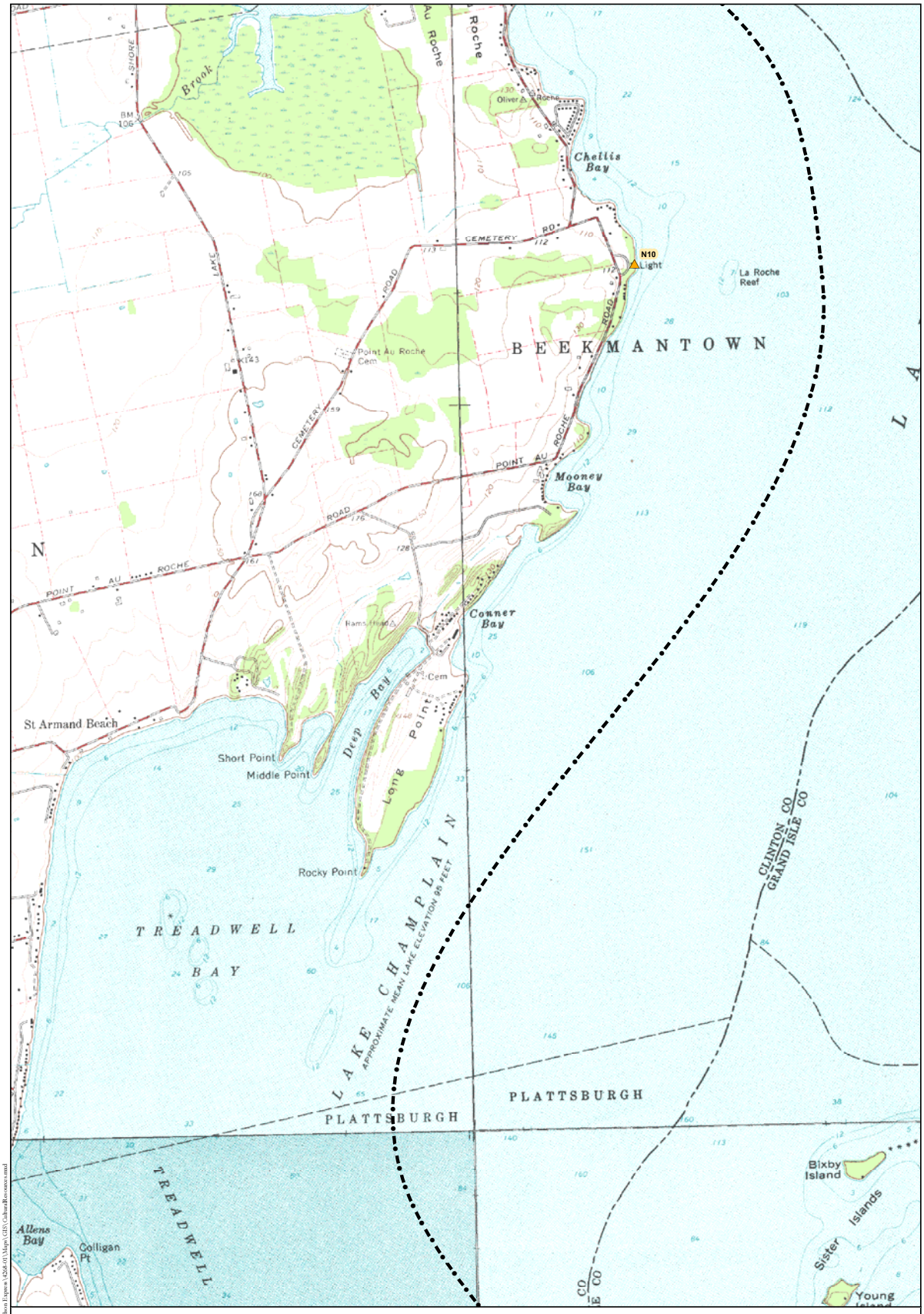
Note: Contour interval is 10 feet.

National Register Eligible and
National Register Listed Property Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 03 d

DS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268-01\Maps\GIS\CulturalResources.mxd



Legend

- National Register Eligible (NRE) Property
- NRE Property ID (See Appendix 4)
- National Register Listed (NRL) Property
- NRL Property ID (See Appendix 4)
- Proposed Alignment
- Overland Study Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

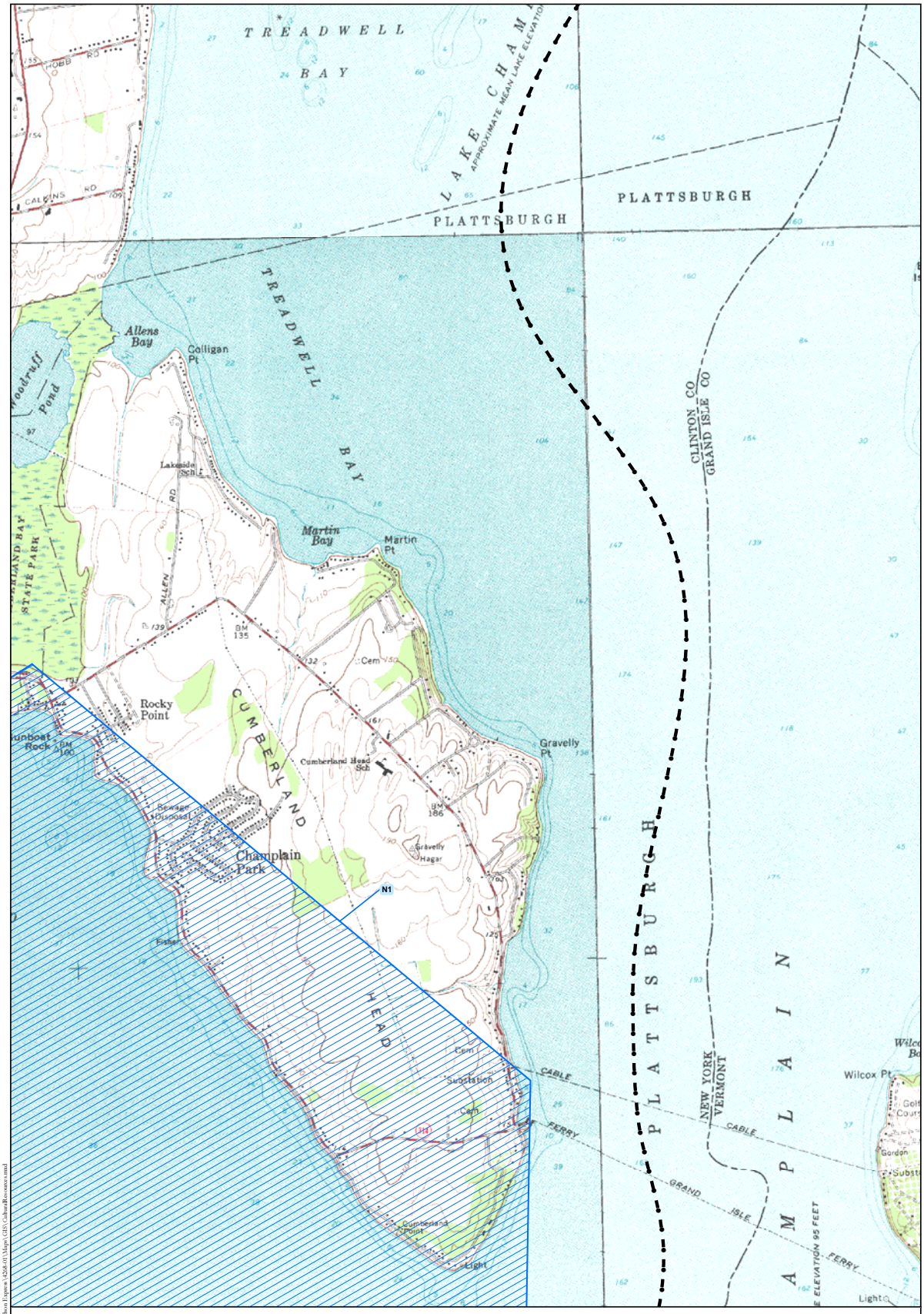
Note: Contour interval is 10 feet.

National Register Eligible and
National Register Listed Property Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 04 d

DS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268-01\Maps\GIS\CulturalResources.mxd



Legend

- National Register Eligible (NRE) Property
- N## NRE Property ID (See Appendix 4)
- National Register Listed (NRL) Property
- N## NRL Property ID (See Appendix 4)
- Proposed Alignment
- Overland Study Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

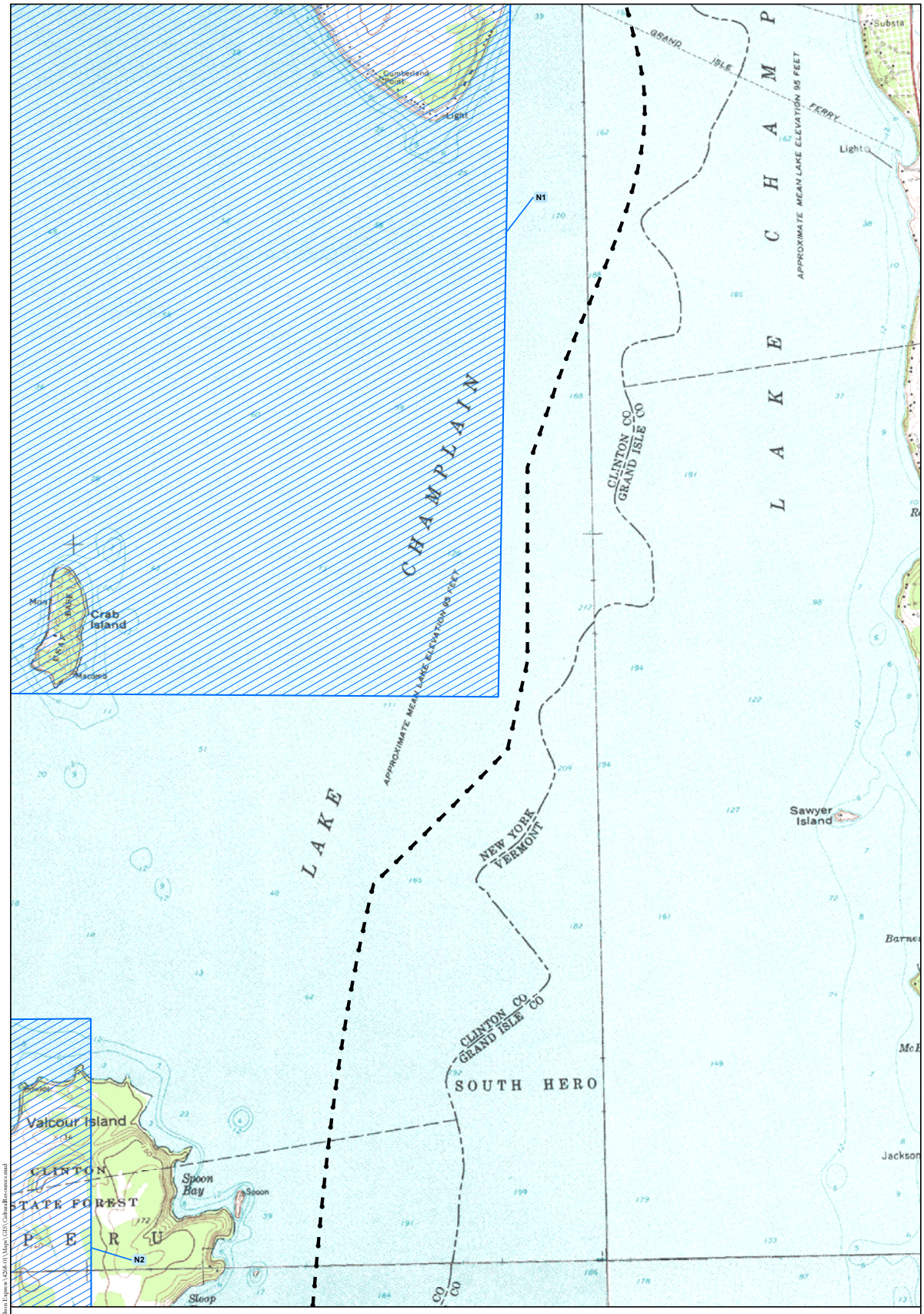
Note: Contour interval is 10 feet.

National Register Eligible and
National Register Listed Property Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 05 d

DS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268-01\Maps\GIS\CulturalResources.mxd



Legend

- National Register Eligible (NRE) Property
- N## NRE Property ID (See Appendix 4)
- National Register Listed (NRL) Property
- N## NRL Property ID (See Appendix 4)
- Proposed Alignment
- Overland Study Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

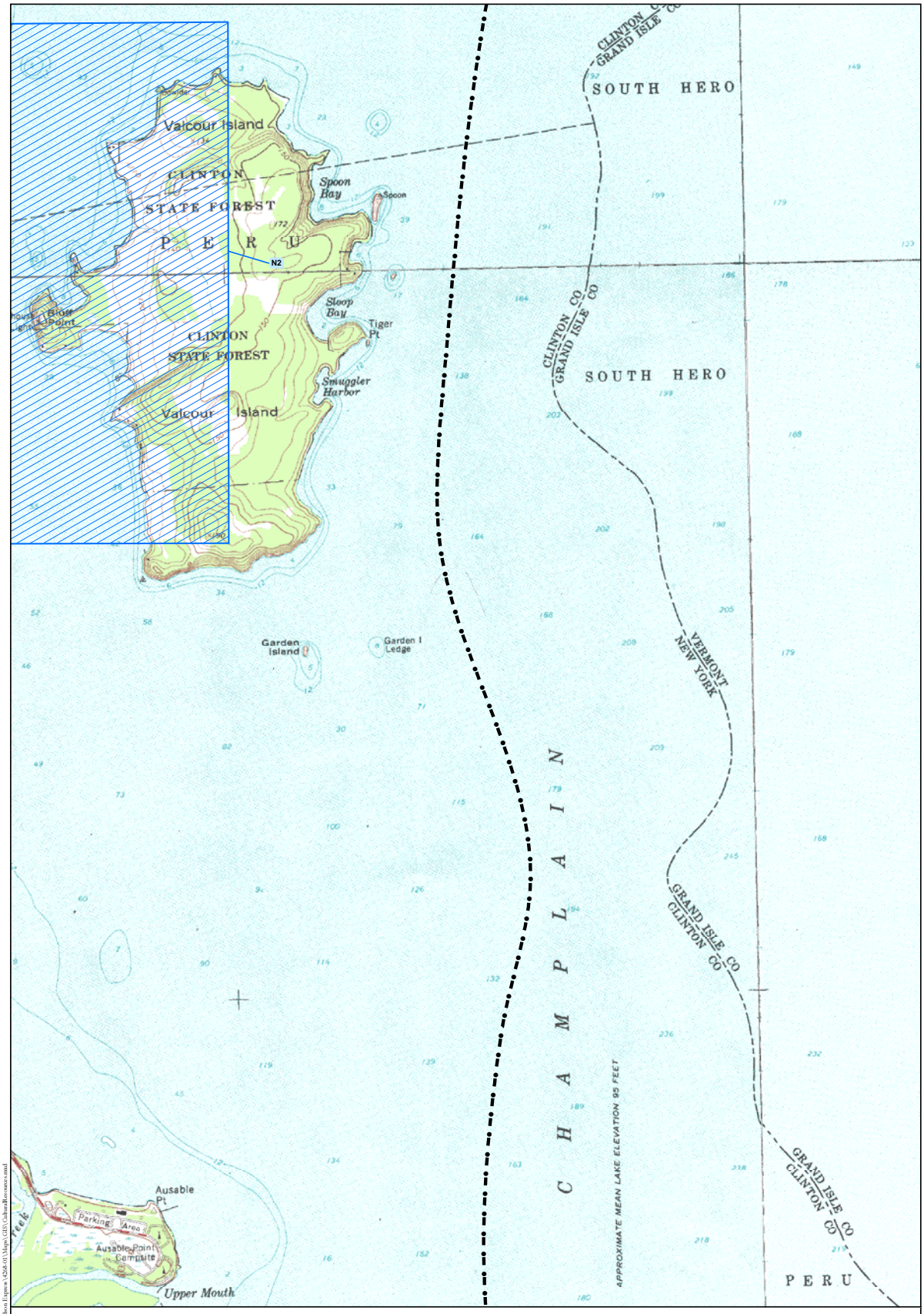
Note: Contour interval is 10 feet.

National Register Eligible and
National Register Listed Property Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 06 d

DS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268.01\Maps\GIS\CultureResources.mxd



Legend

- National Register Eligible (NRE) Property
- NRE Property ID (See Appendix 4)
- National Register Listed (NRL) Property
- NRL Property ID (See Appendix 4)
- Proposed Alignment
- Overland Study Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

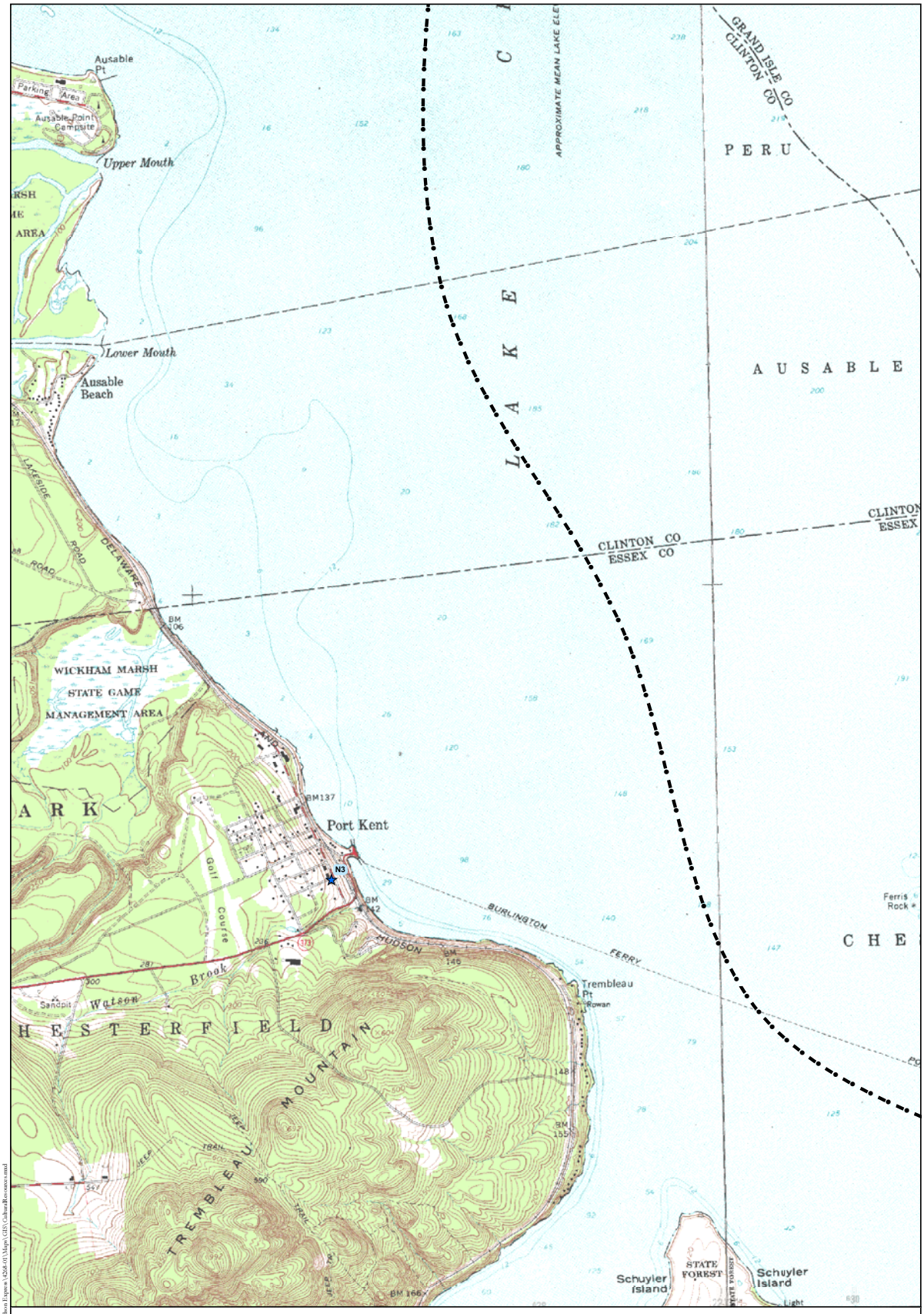
Note: Contour interval is 10 feet.

National Register Eligible and
National Register Listed Property Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 07 d

DS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268-01\Maps\GIS\CulturalResources.mxd



Legend

- National Register Eligible (NRE) Property
- N## NRE Property ID (See Appendix 4)
- National Register Listed (NRL) Property
- N## NRL Property ID (See Appendix 4)
- Proposed Alignment
- Overland Study Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

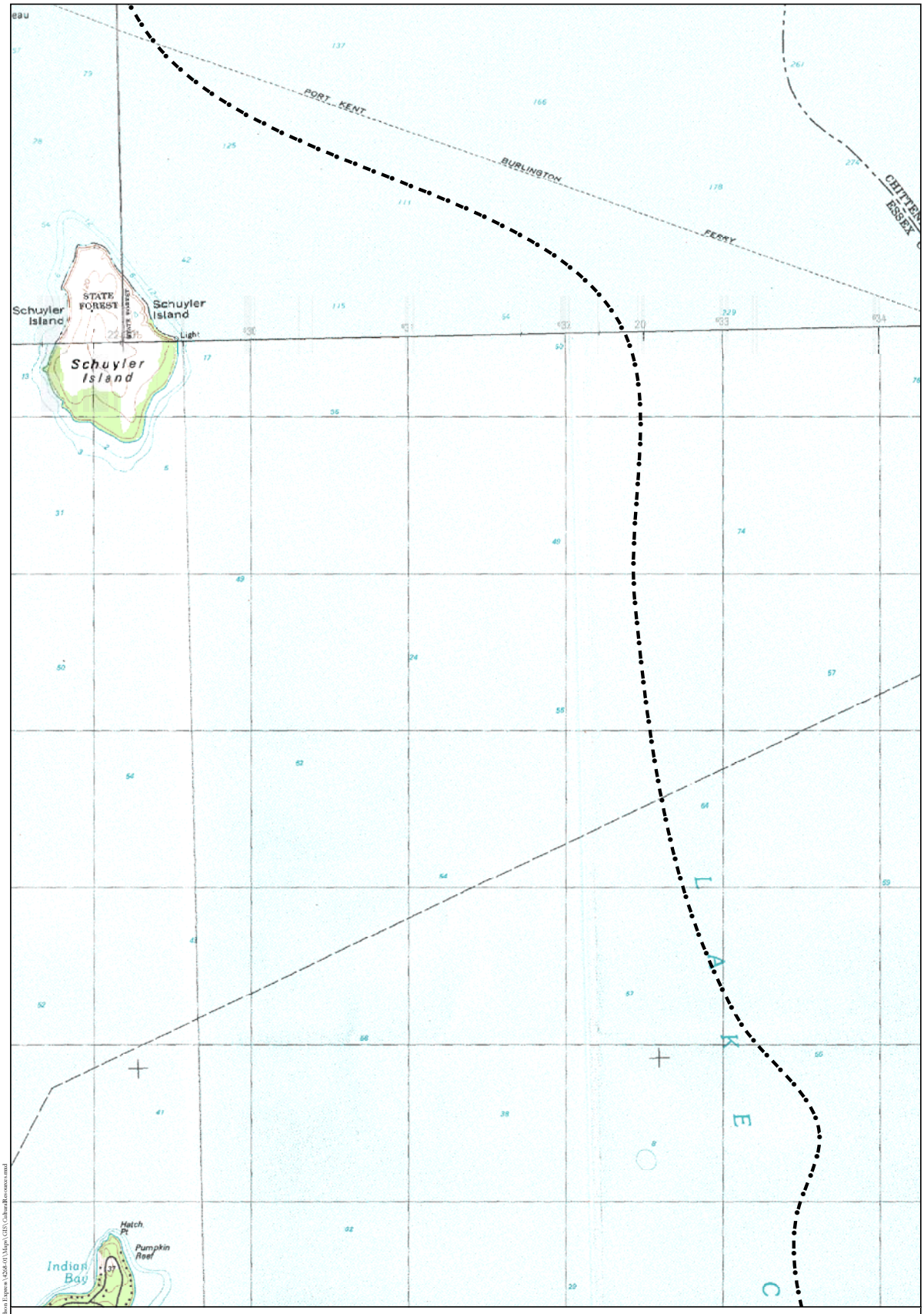
Note: Contour interval is 10 feet.

National Register Eligible and
National Register Listed Property Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 08 d

JS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268-01\Maps\GIS\CulturalResources.mxd



Legend

- National Register Eligible (NRE) Property
- N## NRE Property ID (See Appendix 4)
- National Register Listed (NRL) Property
- N## NRL Property ID (See Appendix 4)
- Proposed Alignment
- Overland Study Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

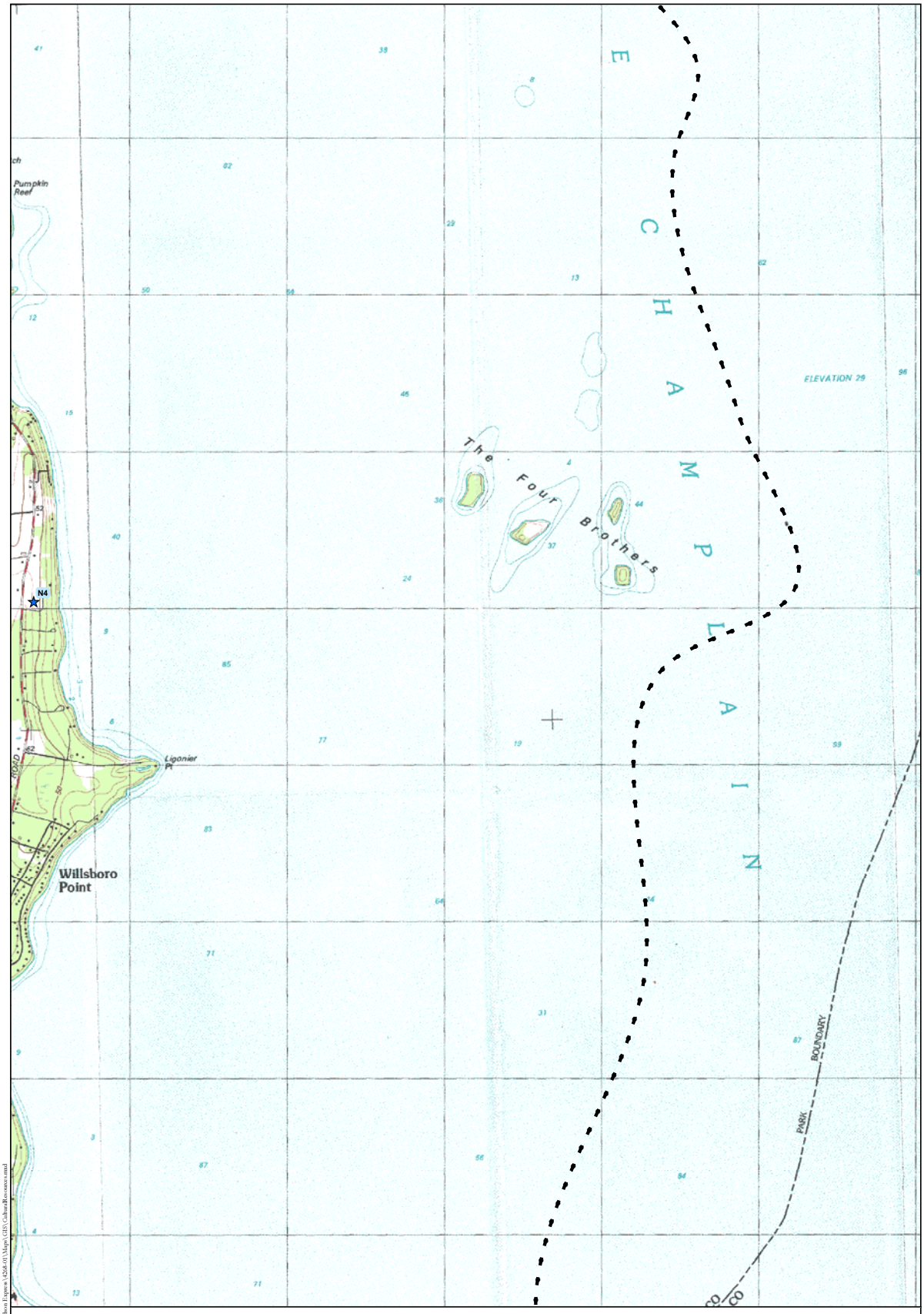
Note: Contour interval is 10 feet.

National Register Eligible and
National Register Listed Property Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 09 d

JS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268-01\Maps\GIS\CulturalResources.mxd



Legend

- National Register Eligible (NRE) Property
- N## NRE Property ID (See Appendix 4)
- National Register Listed (NRL) Property
- N## NRL Property ID (See Appendix 4)
- Proposed Alignment
- Overland Study Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

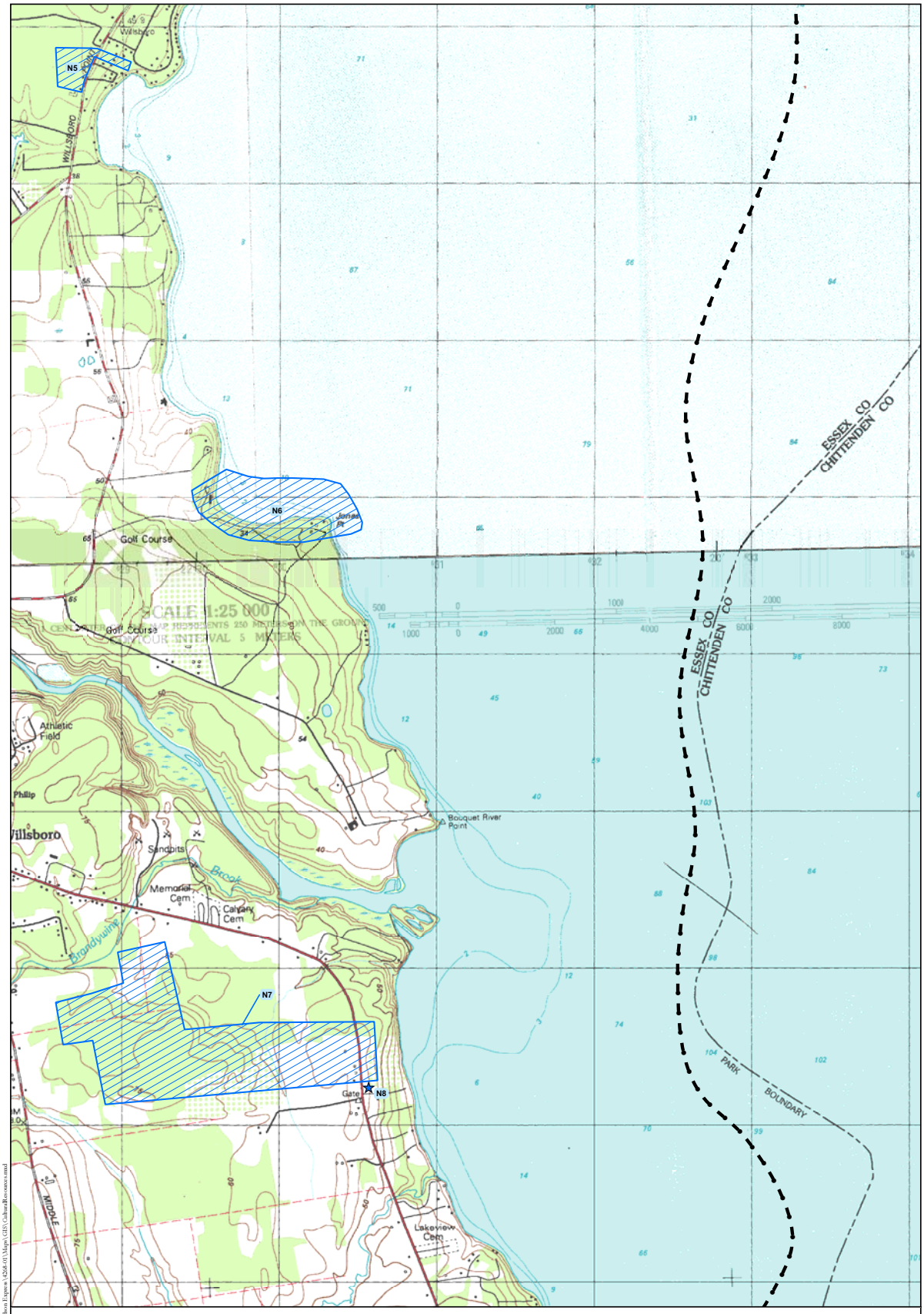
Note: Contour interval is 10 feet.

National Register Eligible and
National Register Listed Property Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 10 d

DS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268-01\Maps\GIS\CulturalResources.mxd



Legend

- National Register Eligible (NRE) Property
- N## NRE Property ID (See Appendix 4)
- National Register Listed (NRL) Property
- N## NRL Property ID (See Appendix 4)
- Proposed Alignment
- Overland Study Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

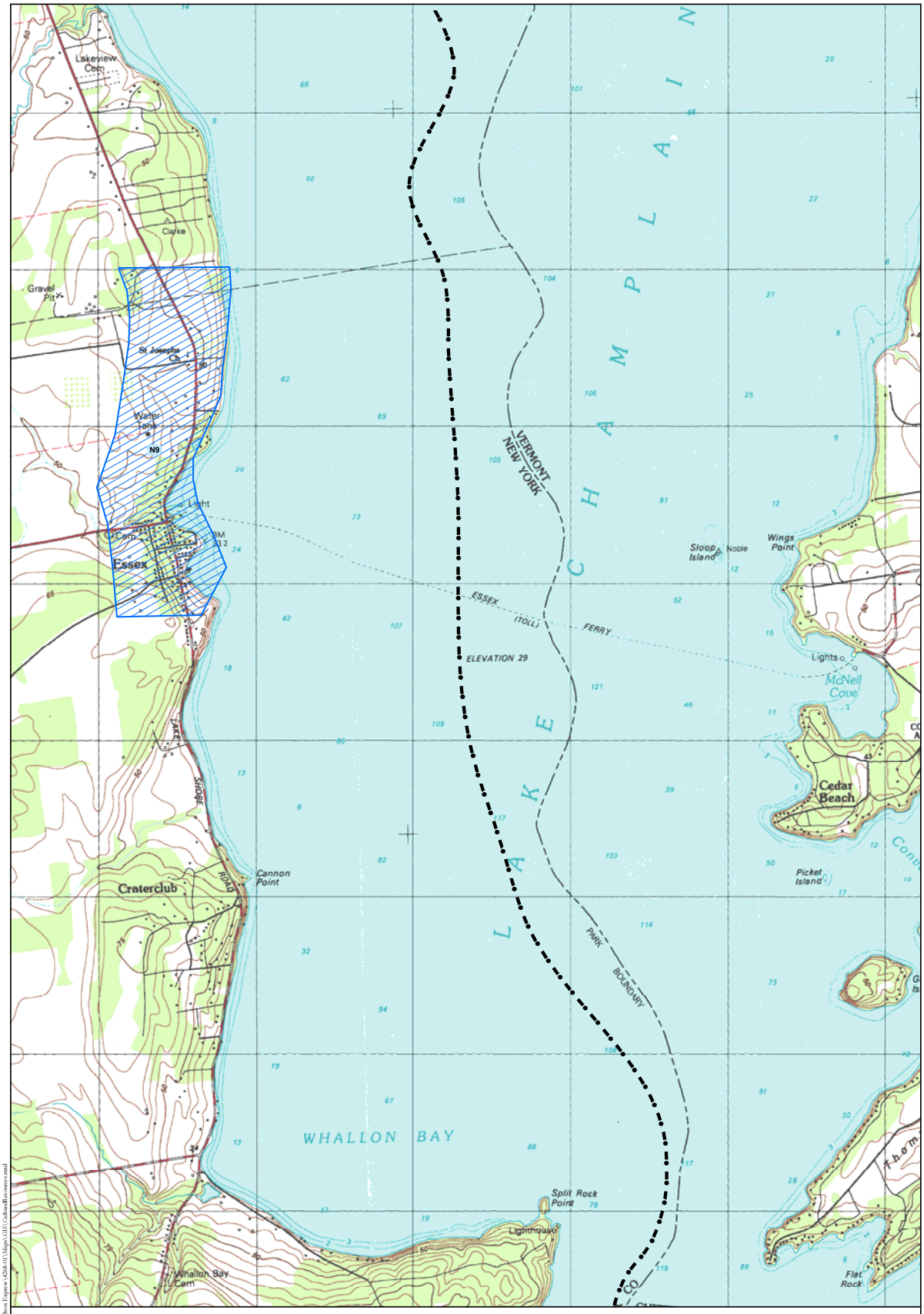
Note: Contour interval is 10 feet.

National Register Eligible and
National Register Listed Property Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 11 d

JS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268-01\Maps\GIS\CulturalResources.mxd



Legend

- National Register Eligible (NRE) Property
- N## NRE Property ID (See Appendix 4)
- National Register Listed (NRL) Property
- N## NRL Property ID (See Appendix 4)
- Proposed Alignment
- Overland Study Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

Note: Contour interval is 10 feet.

National Register Eligible and
National Register Listed Property Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 12 d

DS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268-01\Maps\GIS\CulturalResources.mxd

Legend

- National Register Eligible (NRE) Property
- N## NRE Property ID (See Appendix 4)
- National Register Listed (NRL) Property
- N## NRL Property ID (See Appendix 4)
- Proposed Alignment
- Overland Study Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

Note: Contour interval is 10 feet.

National Register Eligible and
National Register Listed Property Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 13 d

JS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268-01\Maps\GIS\CulturalResources.mxd

Legend

- National Register Eligible (NRE) Property
- NRE Property ID (See Appendix 4)
- National Register Listed (NRL) Property
- NRL Property ID (See Appendix 4)
- Proposed Alignment
- Overland Study Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

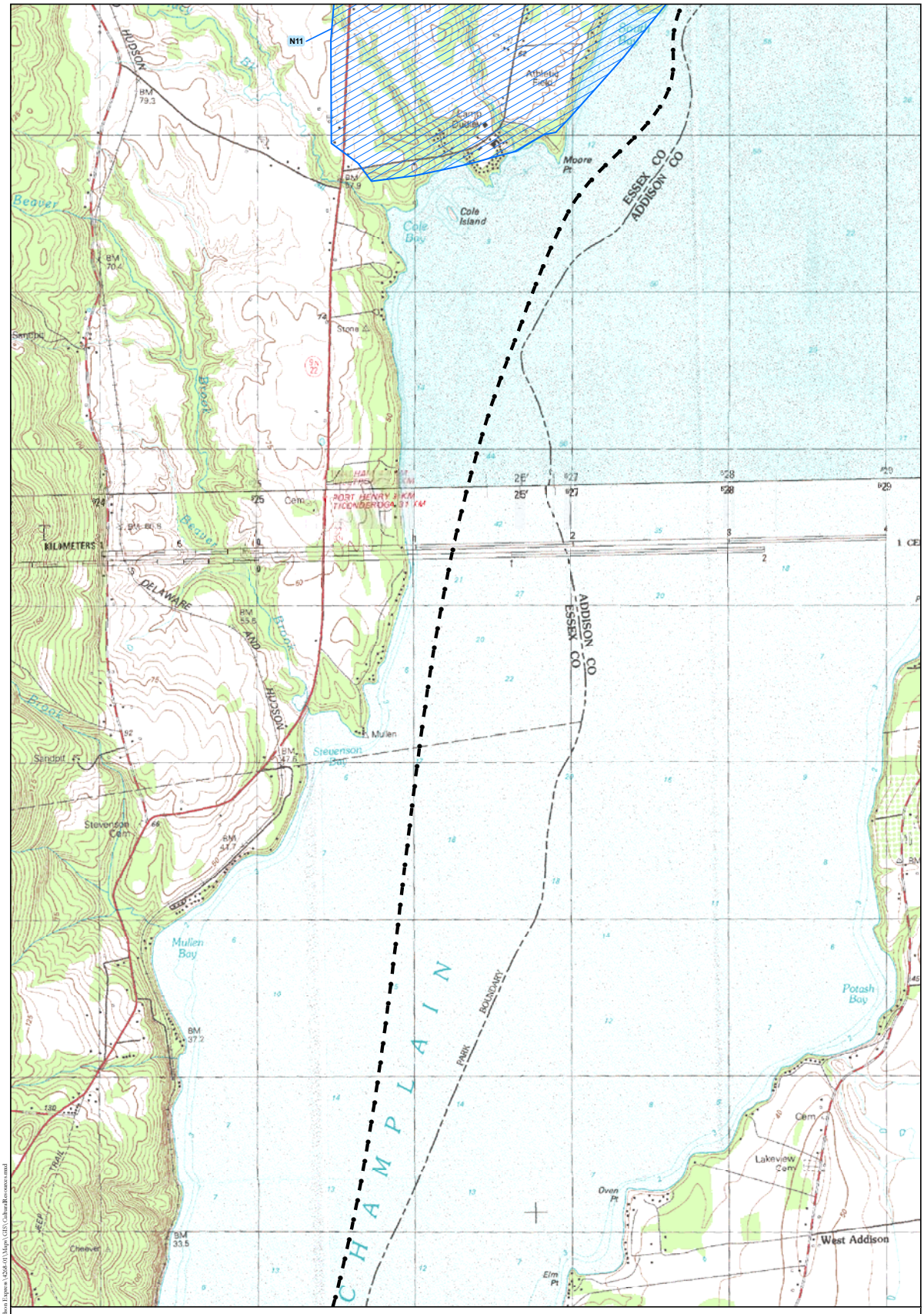
Note: Contour interval is 10 feet.

National Register Eligible and
National Register Listed Property Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 14 d

DS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268-01\Maps\GIS\CulturalResources.mxd



Legend

- National Register Eligible (NRE) Property
- N## NRE Property ID (See Appendix 4)
- National Register Listed (NRL) Property
- N## NRL Property ID (See Appendix 4)
- Proposed Alignment
- Overland Study Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

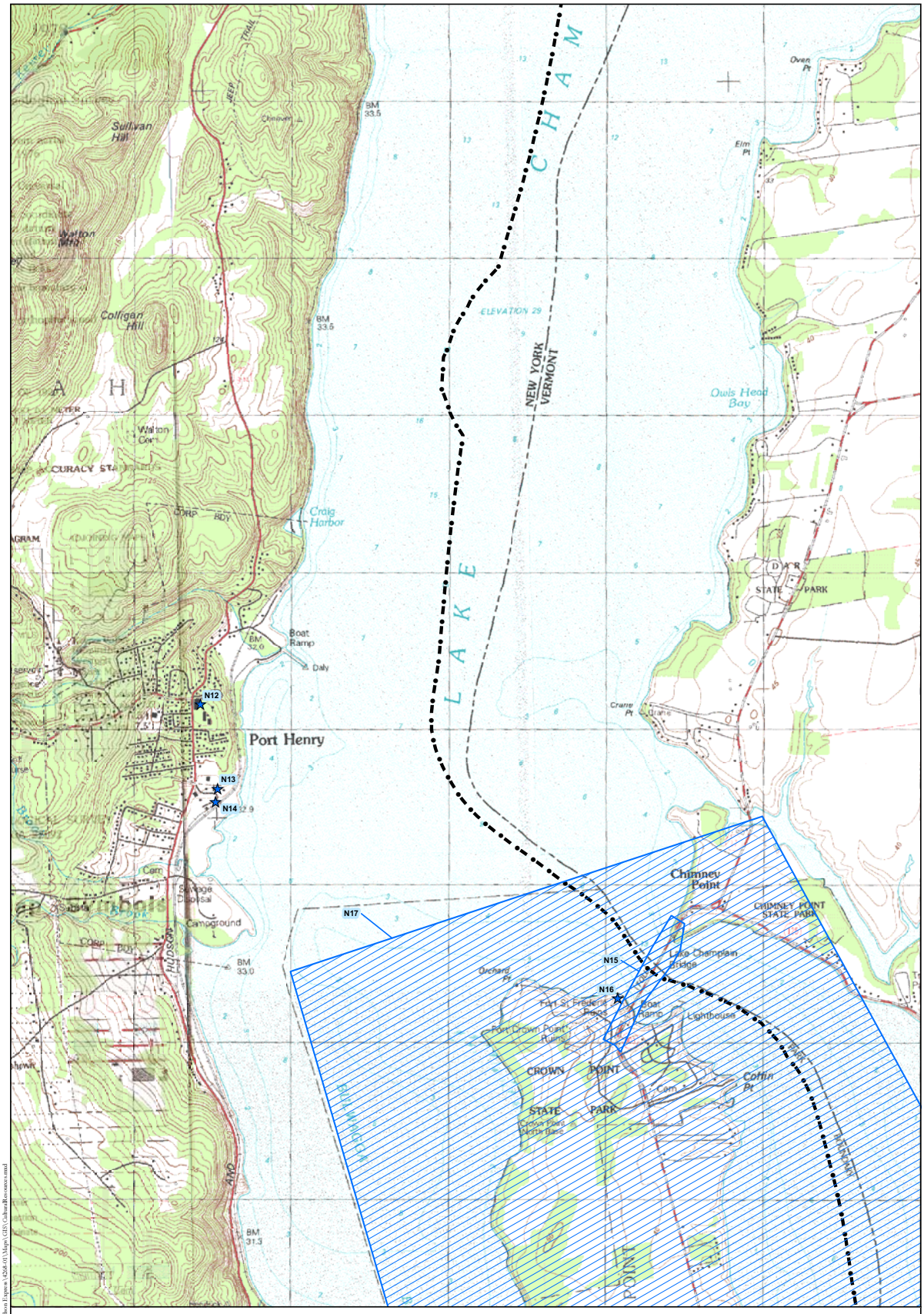
Note: Contour interval is 10 feet.

National Register Eligible and
National Register Listed Property Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 15 d

DS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268-01\Maps\GIS\CulturalResources.mxd



Legend

- National Register Eligible (NRE) Property
- N## NRE Property ID (See Appendix 4)
- National Register Listed (NRL) Property
- N## NRL Property ID (See Appendix 4)
- Proposed Alignment
- Overland Study Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

Note: Contour interval is 10 feet.

National Register Eligible and
National Register Listed Property Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 16 d

DS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268-01\Maps\GIS\CulturalResources.mxd

Legend

- National Register Eligible (NRE) Property
- NRE Property ID (See Appendix 4)
- National Register Listed (NRL) Property
- NRL Property ID (See Appendix 4)
- Proposed Alignment
- Overland Study Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

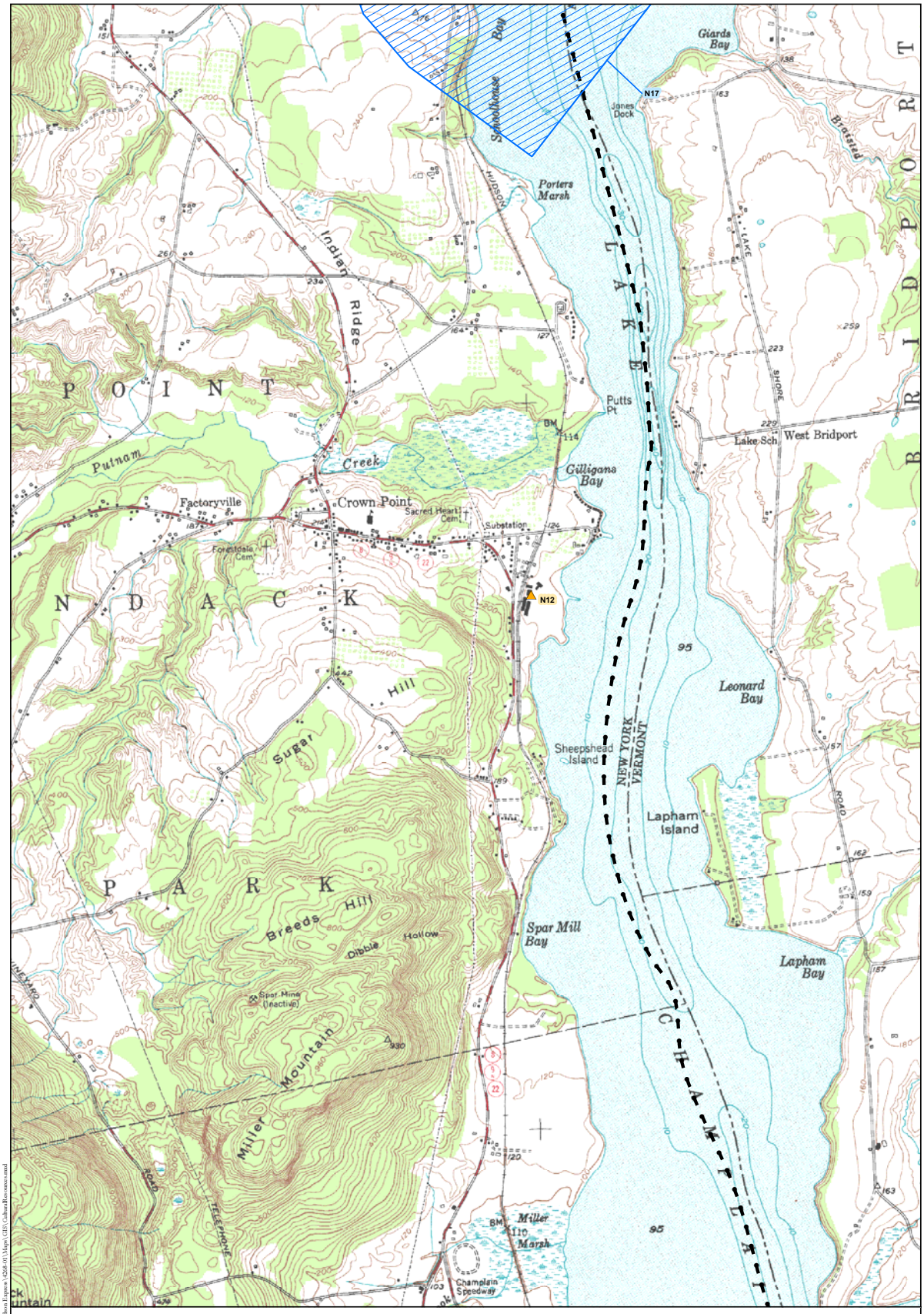
Note: Contour interval is 10 feet.

National Register Eligible and
National Register Listed Property Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 17 d

DS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268-01\Maps\GIS\CulturalResources.mxd



Legend

- National Register Eligible (NRE) Property
- N## NRE Property ID (See Appendix 4)
- National Register Listed (NRL) Property
- N## NRL Property ID (See Appendix 4)
- Proposed Alignment
- Overland Study Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

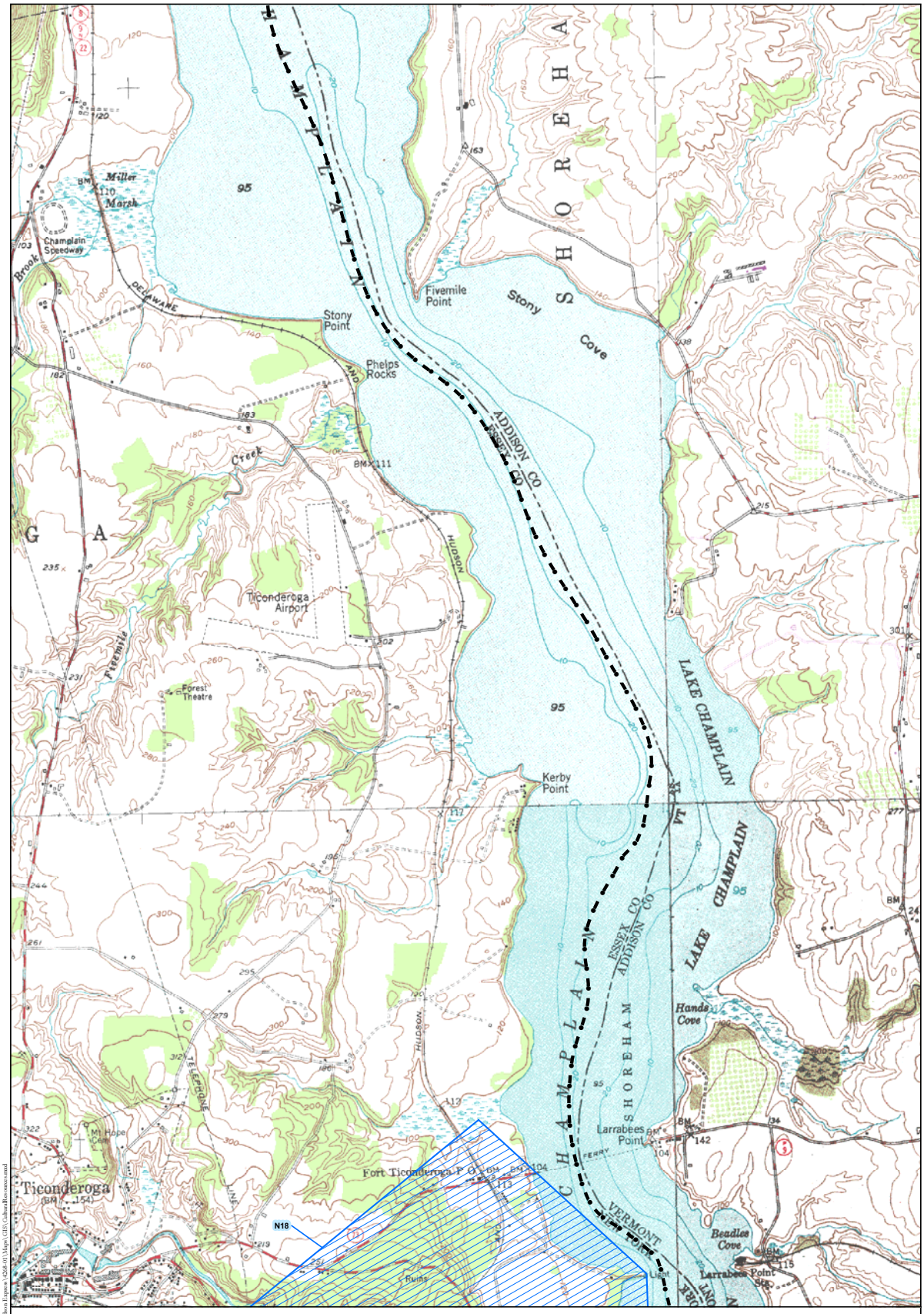
Note: Contour interval is 10 feet.

National Register Eligible and
National Register Listed Property Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 18 d

DS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268-01\Maps\GIS\CulturalResources.mxd



Legend

- National Register Eligible (NRE) Property
- NRE Property ID (See Appendix 4)
- National Register Listed (NRL) Property
- NRL Property ID (See Appendix 4)
- Proposed Alignment
- Overland Study Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

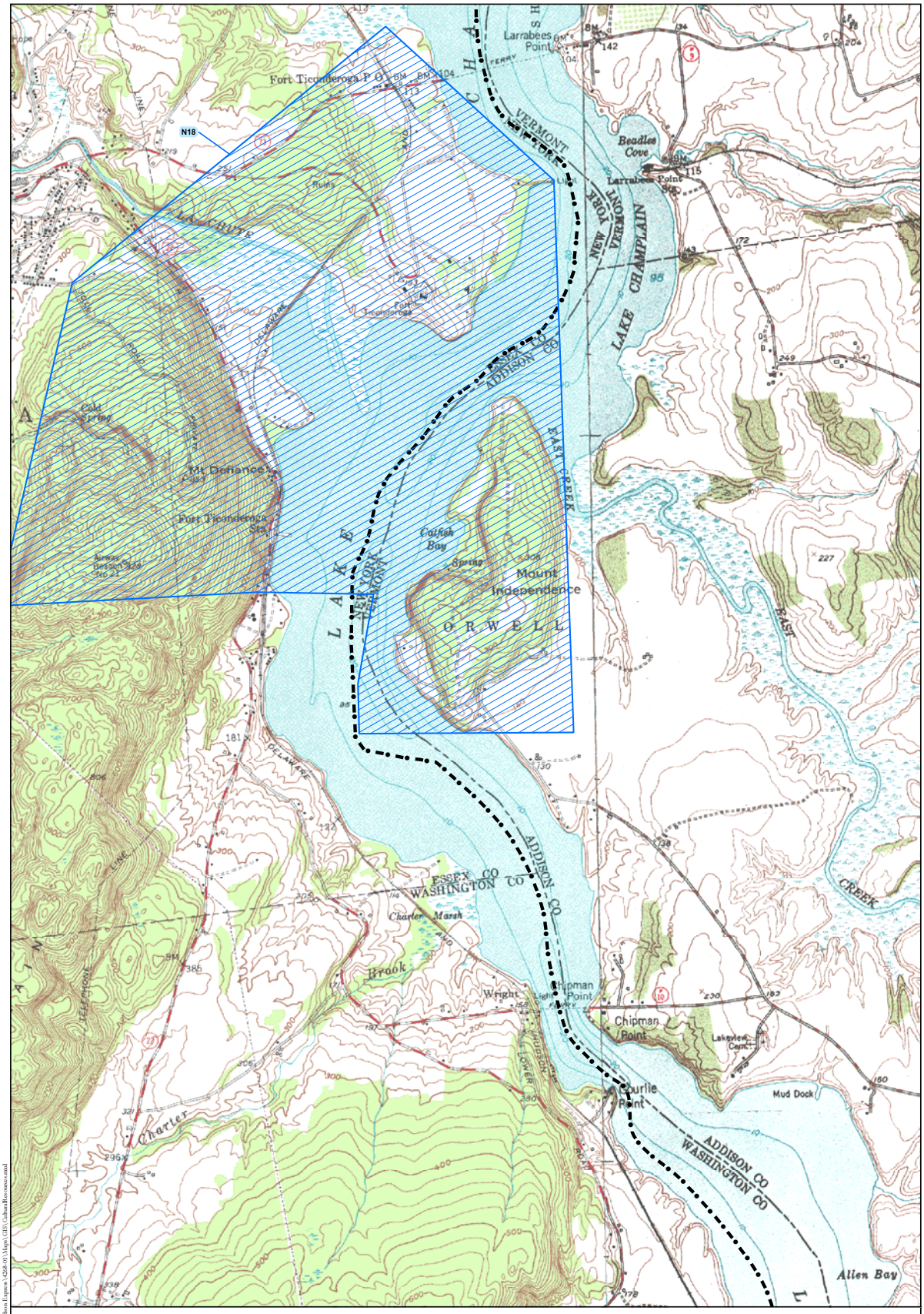
Note: Contour interval is 10 feet.

National Register Eligible and
National Register Listed Property Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 19 d

ES February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268.01\Maps\GIS\CulturalResources.mxd



Legend

- National Register Eligible (NRE) Property
- N## NRE Property ID (See Appendix 4)
- National Register Listed (NRL) Property
- N## NRL Property ID (See Appendix 4)
- Proposed Alignment
- Overland Study Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

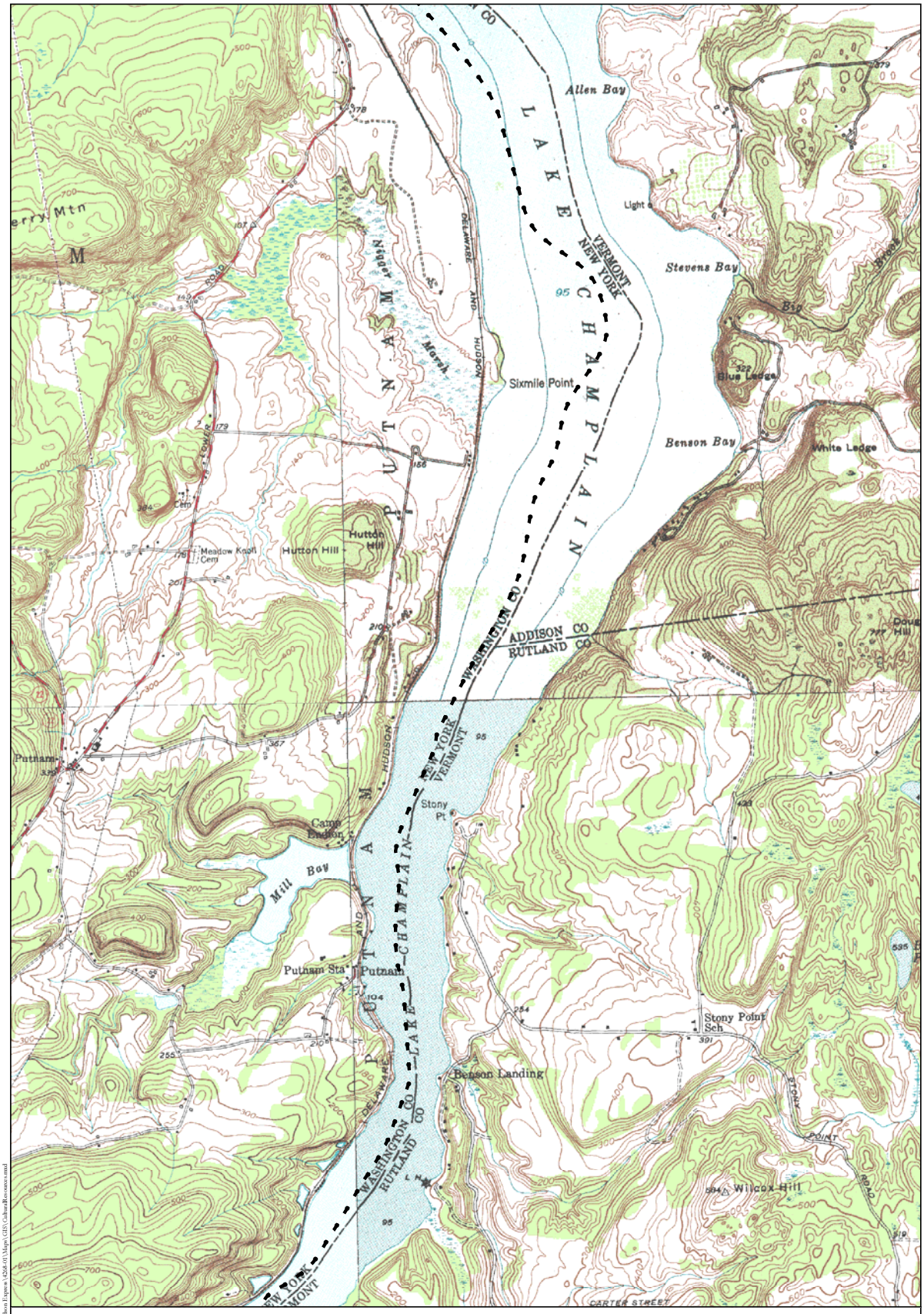
Note: Contour interval is 10 feet.

National Register Eligible and
National Register Listed Property Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 20 d

DS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268-01\Maps\GIS\CulturalResources.mxd



Legend

- National Register Eligible (NRE) Property
- N## NRE Property ID (See Appendix 4)
- National Register Listed (NRL) Property
- N## NRL Property ID (See Appendix 4)
- Proposed Alignment
- Overland Study Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

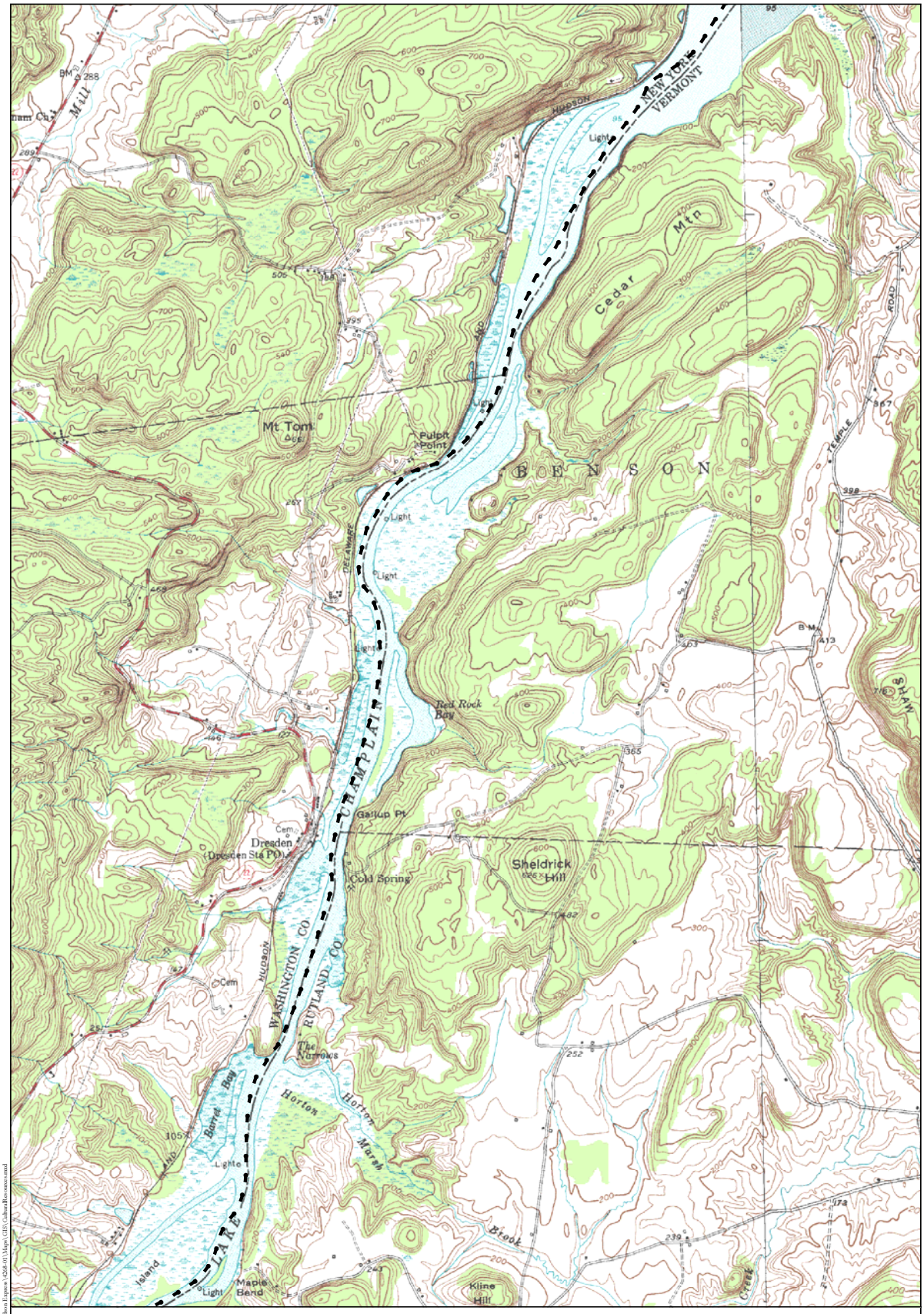
Note: Contour interval is 10 feet.

National Register Eligible and
National Register Listed Property Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 21 d

JS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268-01\Maps\GIS\CulturalResources.mxd



Legend

- National Register Eligible (NRE) Property
- N## NRE Property ID (See Appendix 4)
- National Register Listed (NRL) Property
- N## NRL Property ID (See Appendix 4)
- Proposed Alignment
- Overland Study Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

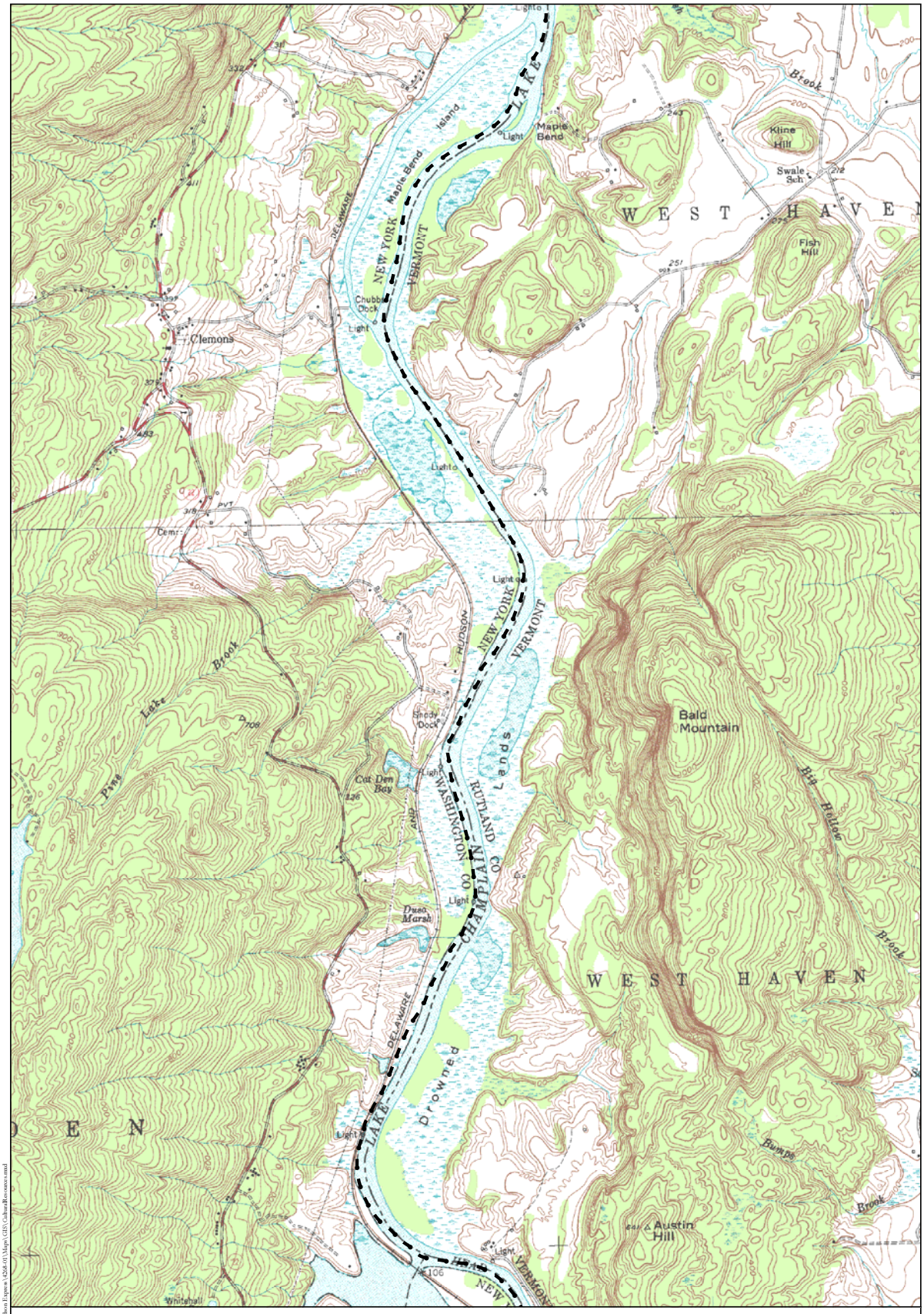
Note: Contour interval is 10 feet.

National Register Eligible and
National Register Listed Property Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 22 d

JS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268.01\Maps\GIS\CulturalResources.mxd



Legend

- National Register Eligible (NRE) Property
- N## NRE Property ID (See Appendix 4)
- National Register Listed (NRL) Property
- N## NRL Property ID (See Appendix 4)
- Proposed Alignment
- Overland Study Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

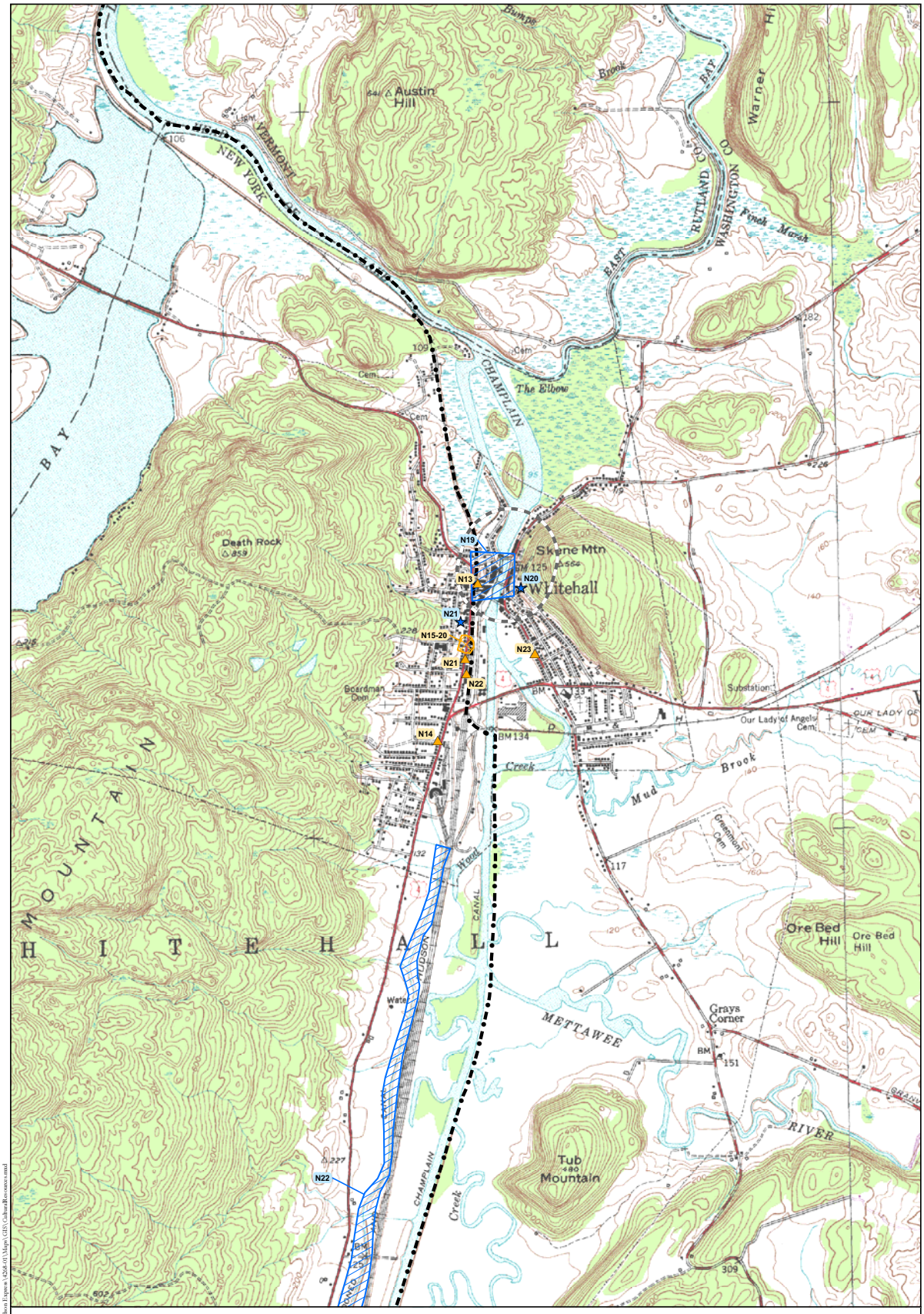
Note: Contour interval is 10 feet.

National Register Eligible and
National Register Listed Property Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 23 d

DS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268-01\Maps\GIS\CulturalResources.mxd



Legend

- National Register Eligible (NRE) Property
- N## NRE Property ID (See Appendix 4)
- National Register Listed (NRL) Property
- N## NRL Property ID (See Appendix 4)
- Proposed Alignment
- Overland Study Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

Note: Contour interval is 10 feet.

National Register Eligible and
National Register Listed Property Locations
(HAA, Inc. 2010)

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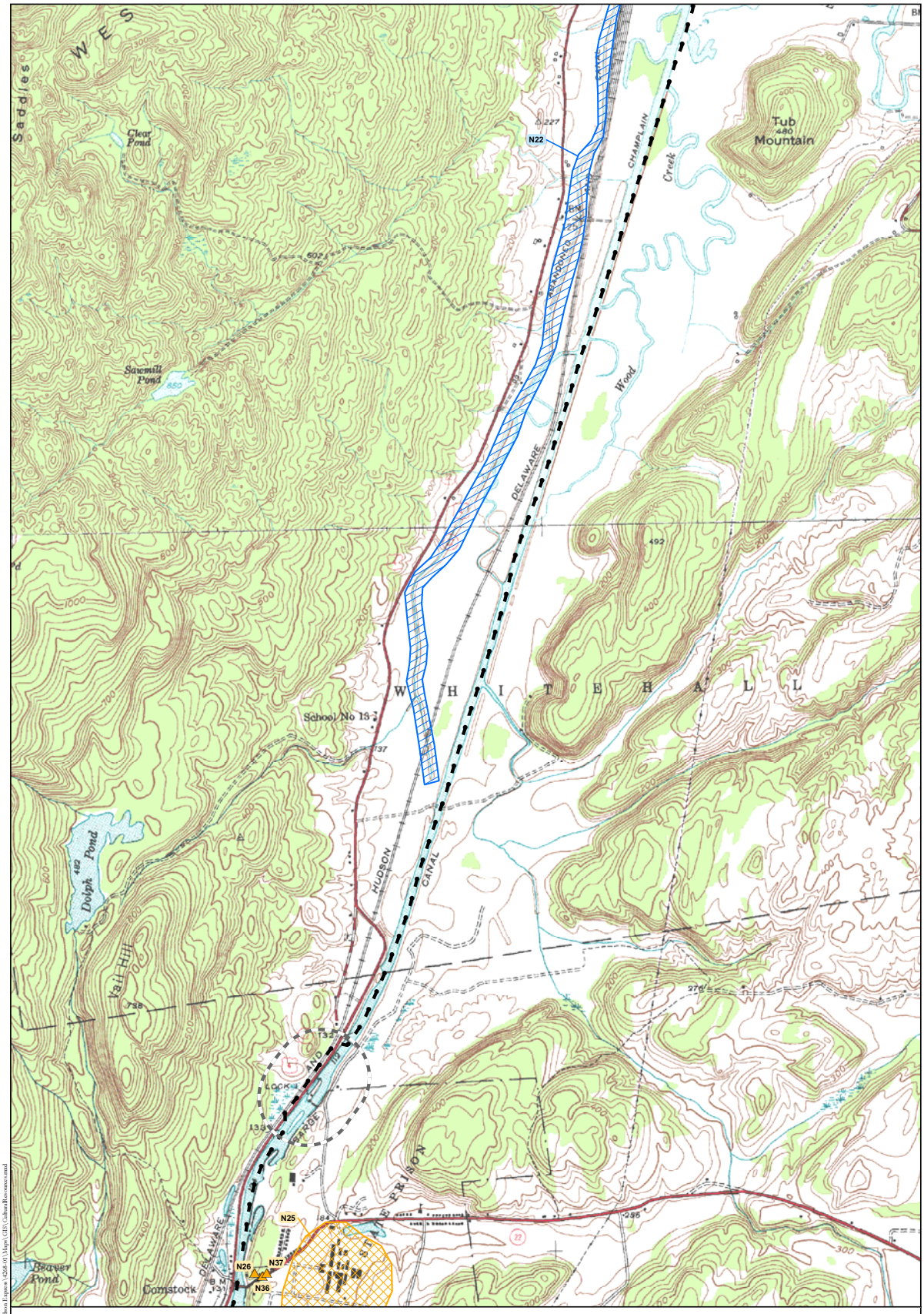
Map 24 d

DS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268-01\Maps\GIS\CulturalResources.mxd



Legend

- National Register Eligible (NRE) Property
- N## NRE Property ID (See Appendix 4)
- National Register Listed (NRL) Property
- N## NRL Property ID (See Appendix 4)
- Proposed Alignment
- Overland Study Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

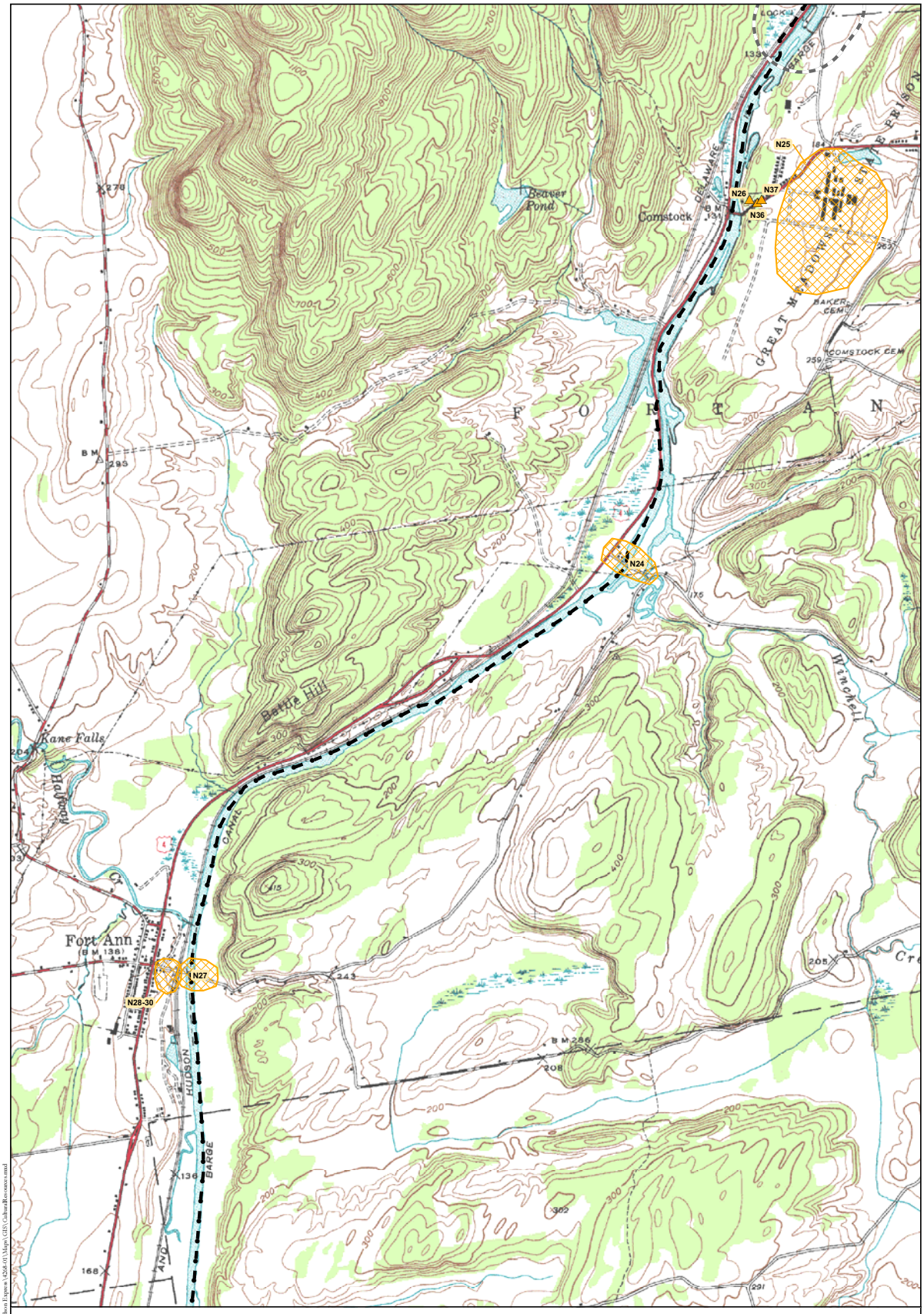
Note: Contour interval is 10 feet.

National Register Eligible and
National Register Listed Property Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 25 d

JS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268-01\Maps\GIS\CulturalResources.mxd



Legend

- National Register Eligible (NRE) Property
- N## NRE Property ID (See Appendix 4)
- National Register Listed (NRL) Property
- N## NRL Property ID (See Appendix 4)
- Proposed Alignment
- Overland Study Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

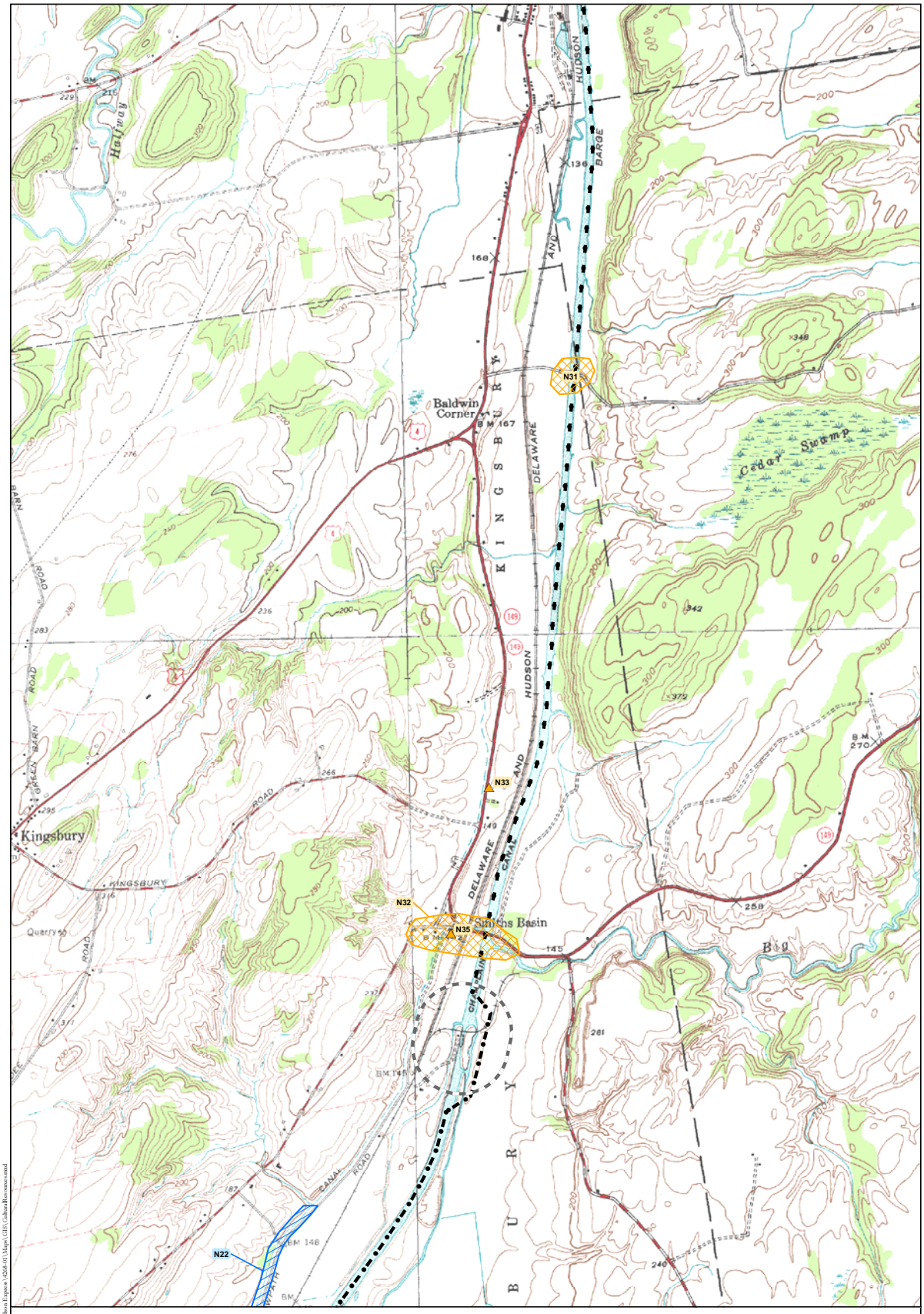
Note: Contour interval is 10 feet.

National Register Eligible and
National Register Listed Property Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 26 d

DS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268-01\Maps\GIS\CulturalResources.mxd



Legend

- National Register Eligible (NRE) Property
- NRE Property ID (See Appendix 4)
- National Register Listed (NRL) Property
- NRL Property ID (See Appendix 4)
- Proposed Alignment
- Overland Study Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

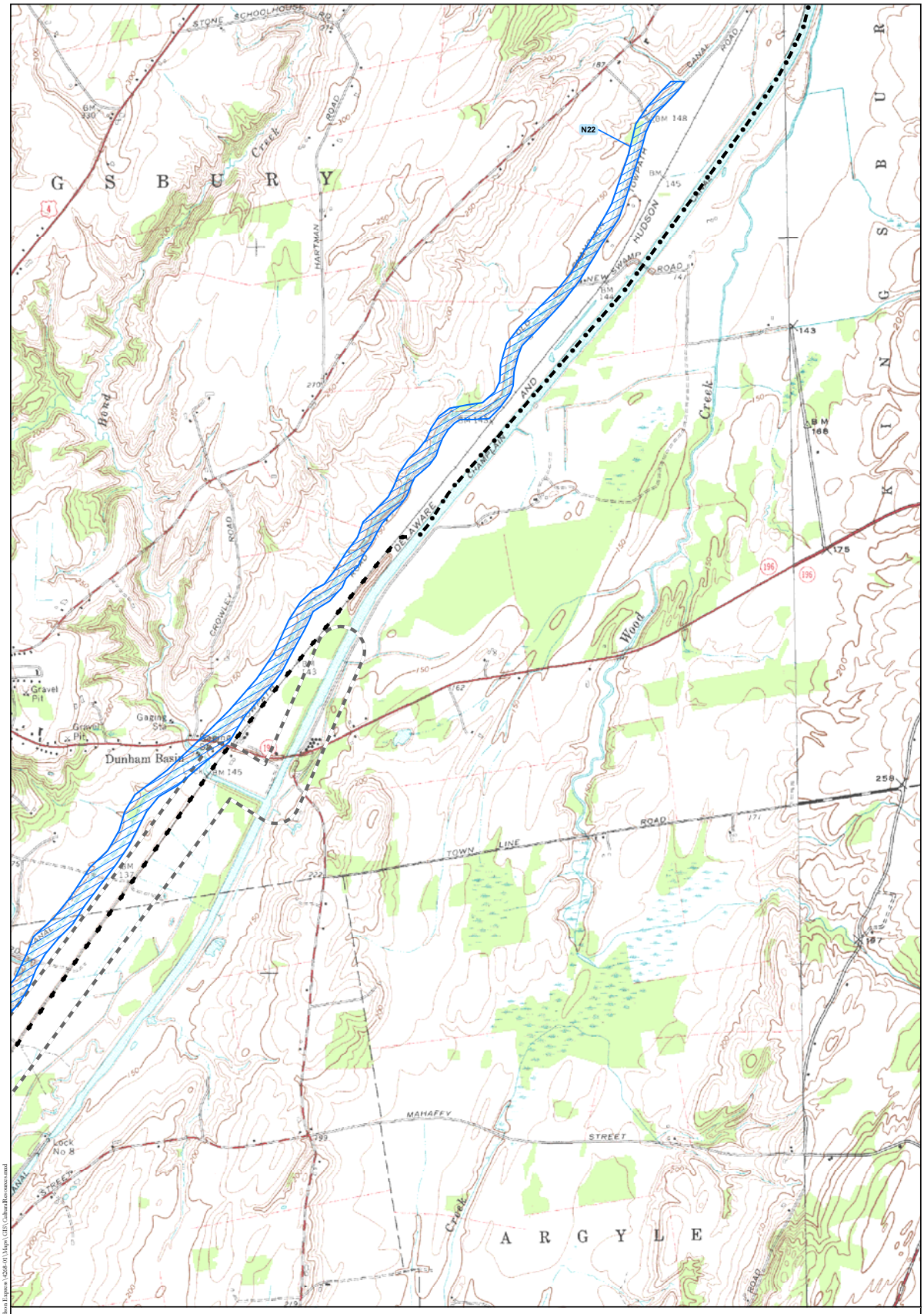
Note: Contour interval is 10 feet.

National Register Eligible and
National Register Listed Property Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 27 d

JS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268-01\Maps\GIS\CulturalResources.mxd



Legend

- National Register Eligible (NRE) Property
- NRE Property ID (See Appendix 4)
- National Register Listed (NRL) Property
- NRL Property ID (See Appendix 4)
- Proposed Alignment
- Overland Study Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

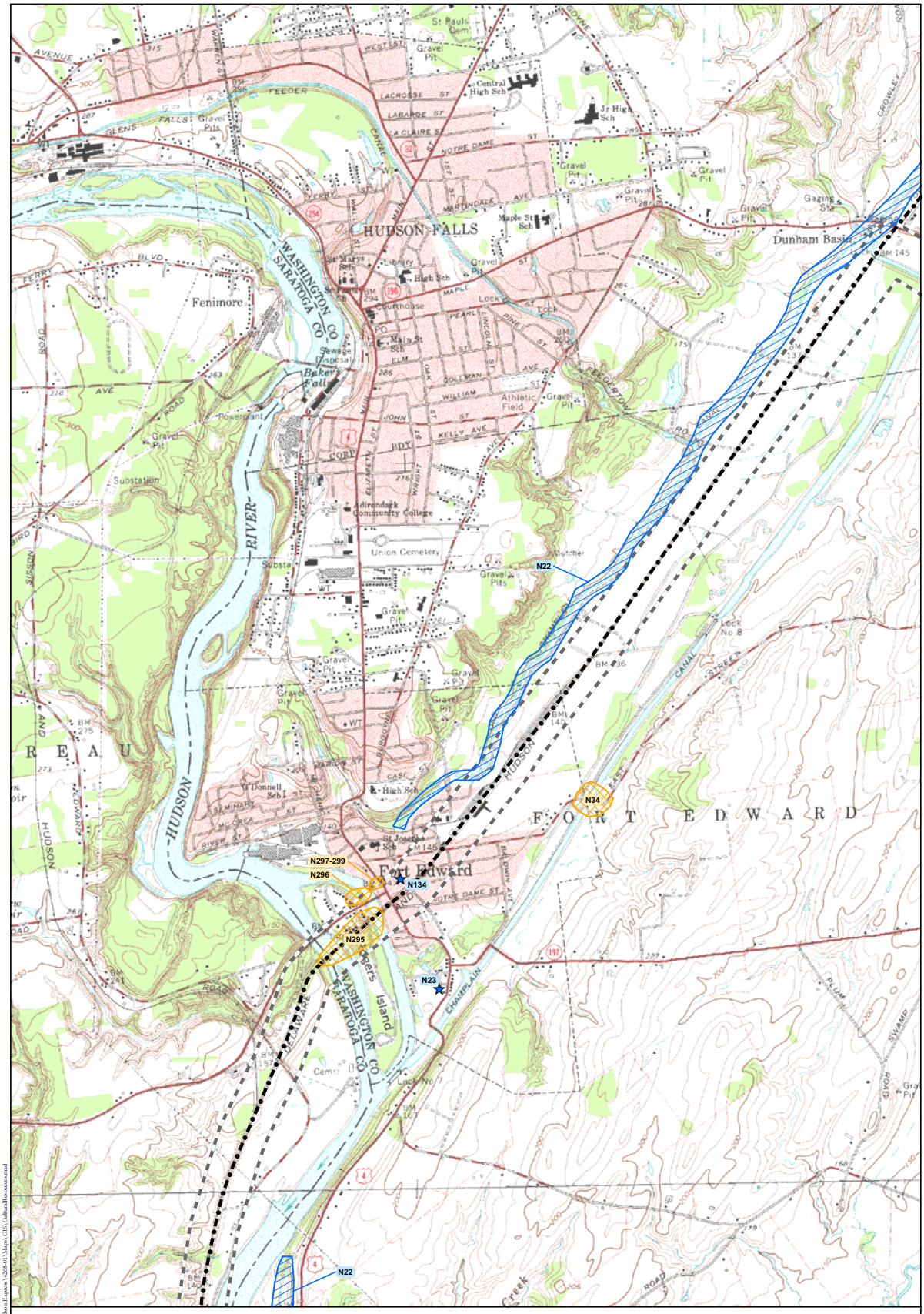
Note: Contour interval is 10 feet.

National Register Eligible and
National Register Listed Property Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 28 d

DS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268-01\Maps\GIS\CulturalResources.mxd



Legend

- National Register Eligible (NRE) Property
- N## NRE Property ID (See Appendix 4)
- National Register Listed (NRL) Property
- N## NRL Property ID (See Appendix 4)
- Proposed Alignment
- Overland Study Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

Note: Contour interval is 10 feet.

National Register Eligible and
National Register Listed Property Locations
(HAA, Inc. 2010)

HARTGEN
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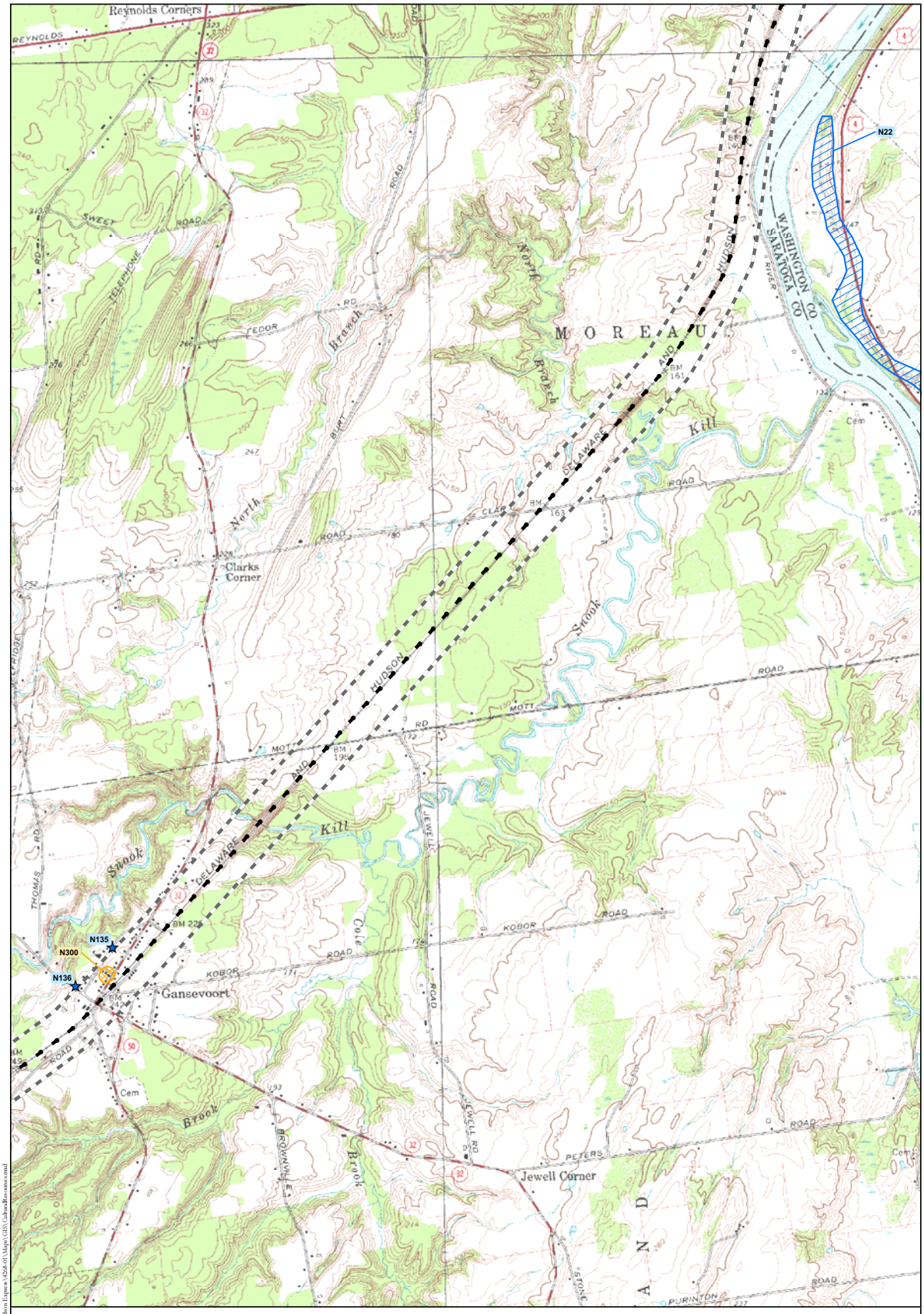
Map 29 d

ES February 16, 2010 R:\Active Projects\4268-Oswego-Hudson Express\4268-01\Maps\GIS\CulturalResources.mxd



Legend

- National Register Eligible (NRE) Property
- N## NRE Property ID (See Appendix 4)
- National Register Listed (NRL) Property
- N## NRL Property ID (See Appendix 4)
- Proposed Alignment
- Overland Study Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

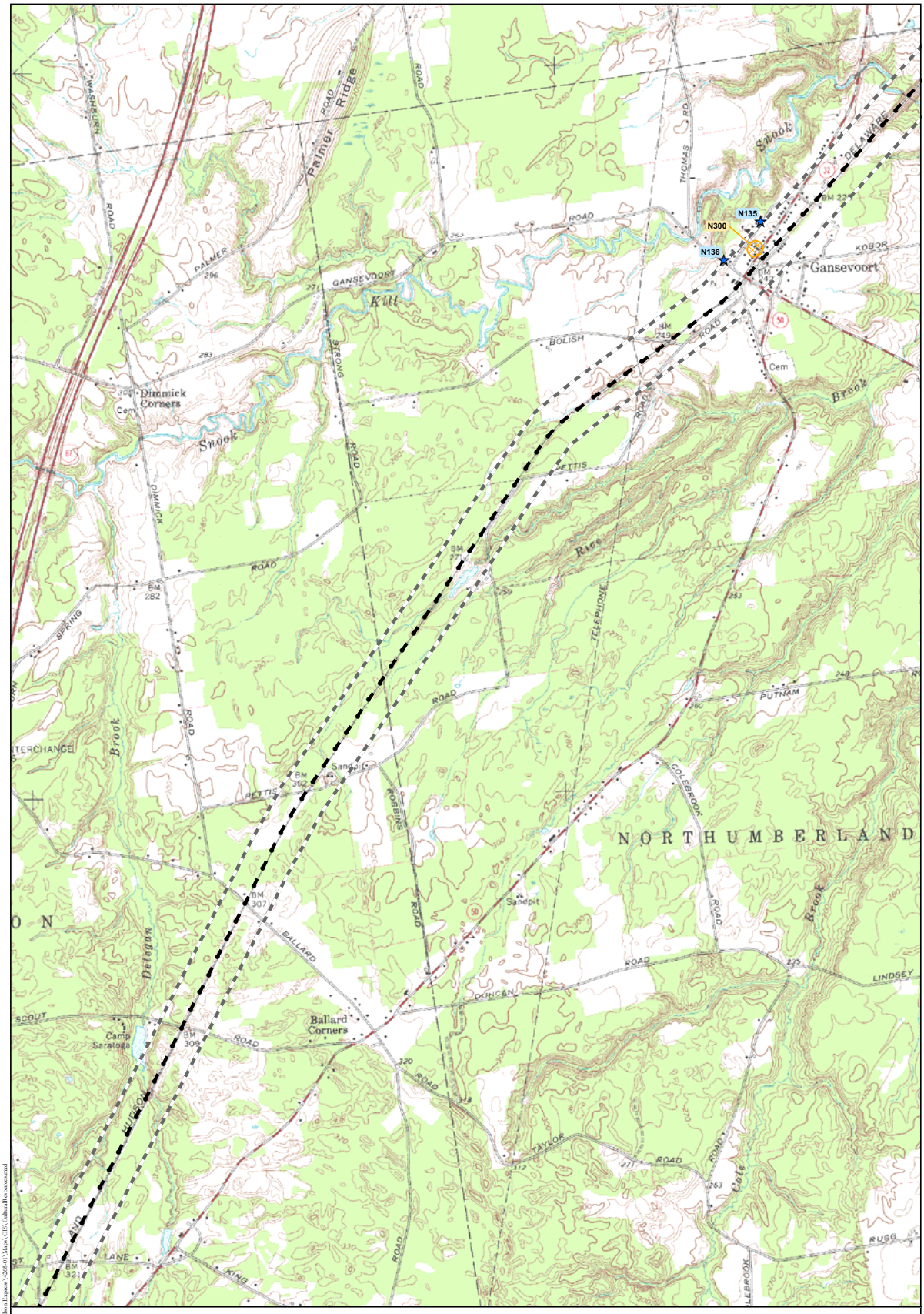
Note: Contour interval is 10 feet.

National Register Eligible and
National Register Listed Property Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 30 d

DS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268-01\Maps\GIS\CulturalResources.mxd



Legend

- National Register Eligible (NRE) Property
- N## NRE Property ID (See Appendix 4)
- National Register Listed (NRL) Property
- N## NRL Property ID (See Appendix 4)
- Proposed Alignment
- Overland Study Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

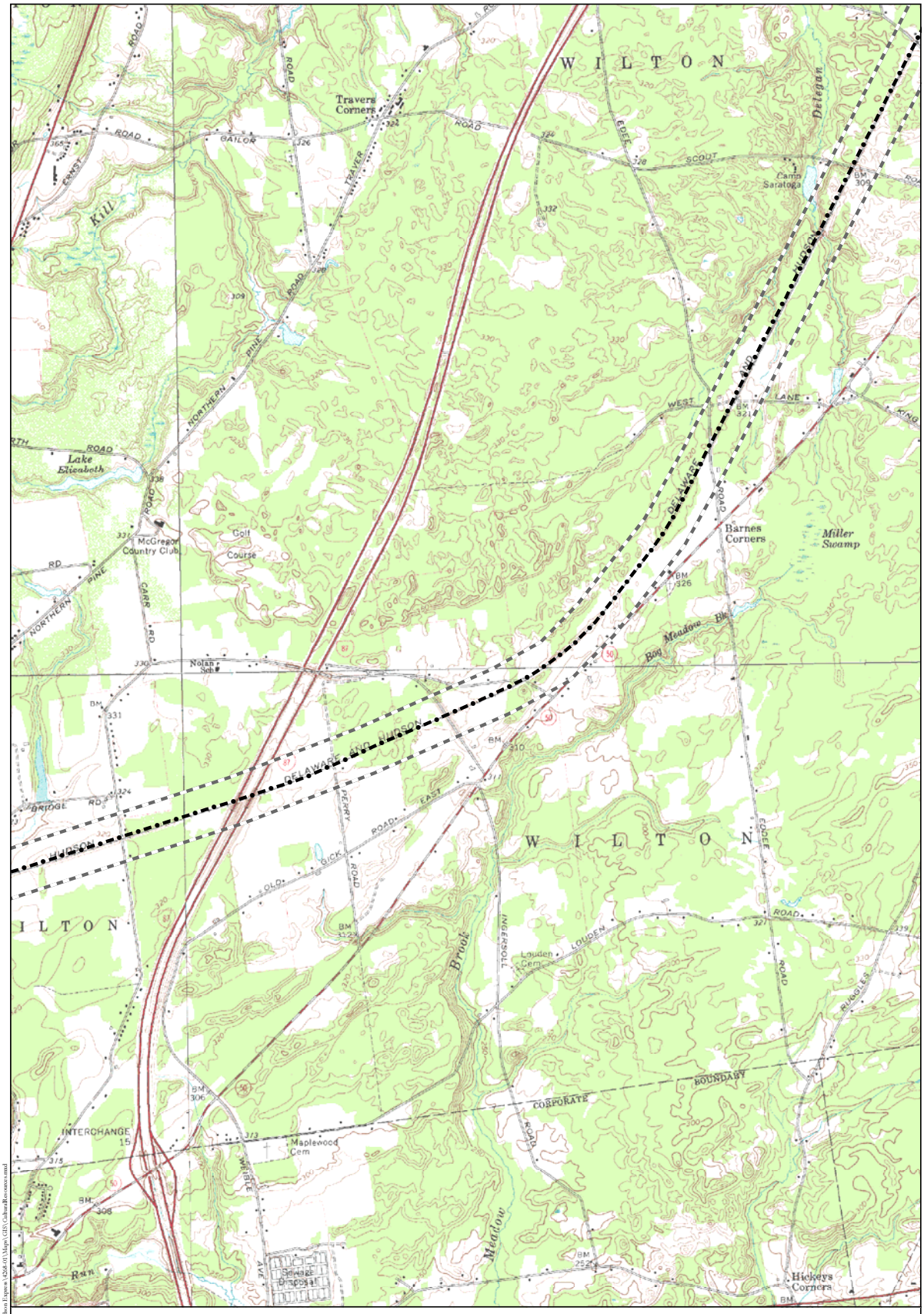
Note: Contour interval is 10 feet.

National Register Eligible and
National Register Listed Property Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 31 d

DS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268-01\Maps\GIS\CulturalResources.mxd



Legend

- National Register Eligible (NRE) Property
- N## NRE Property ID (See Appendix 4)
- National Register Listed (NRL) Property
- N## NRL Property ID (See Appendix 4)
- Proposed Alignment
- Overland Study Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

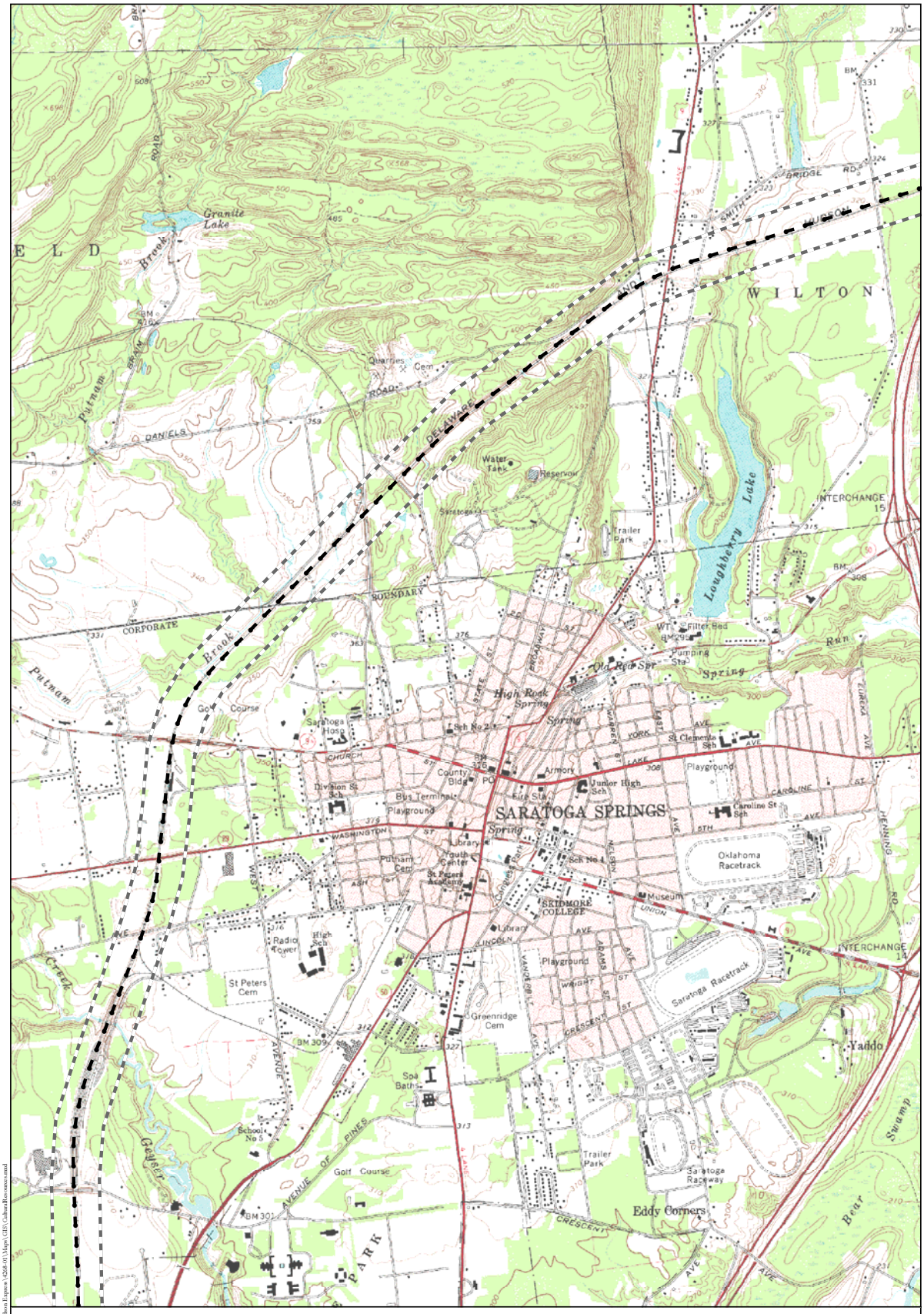
Note: Contour interval is 10 feet.

National Register Eligible and
National Register Listed Property Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 32 d

DS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268-01\Maps\GIS\CulturalResources.mxd



Legend

- National Register Eligible (NRE) Property
- N## NRE Property ID (See Appendix 4)
- National Register Listed (NRL) Property
- N## NRL Property ID (See Appendix 4)
- Proposed Alignment
- Overland Study Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

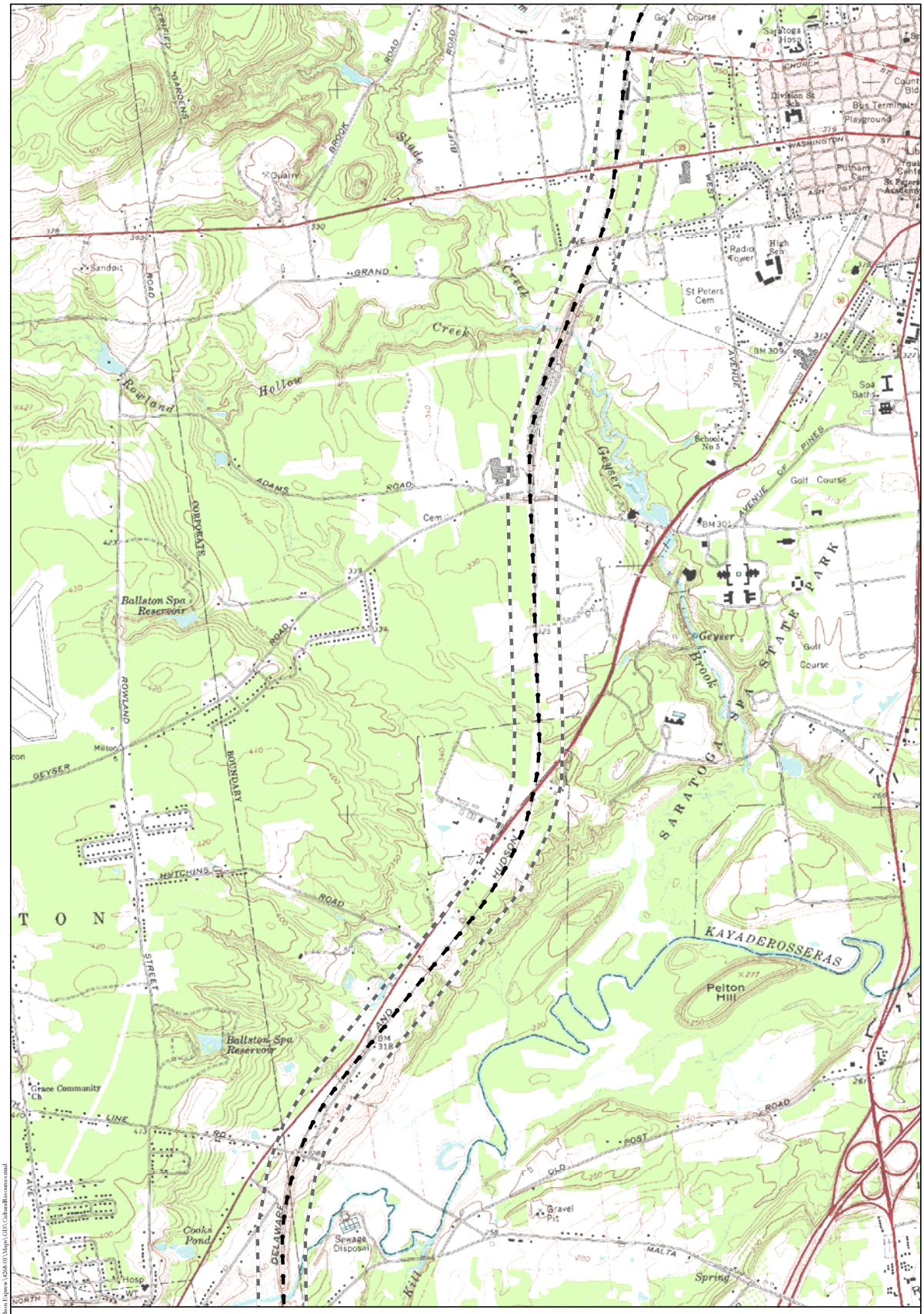
Note: Contour interval is 10 feet.

National Register Eligible and
National Register Listed Property Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 33 d

JS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268-01\Maps\GIS\CulturalResources.mxd



Legend

- National Register Eligible (NRE) Property
- N## NRE Property ID (See Appendix 4)
- National Register Listed (NRL) Property
- N## NRL Property ID (See Appendix 4)
- Proposed Alignment
- Overland Study Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

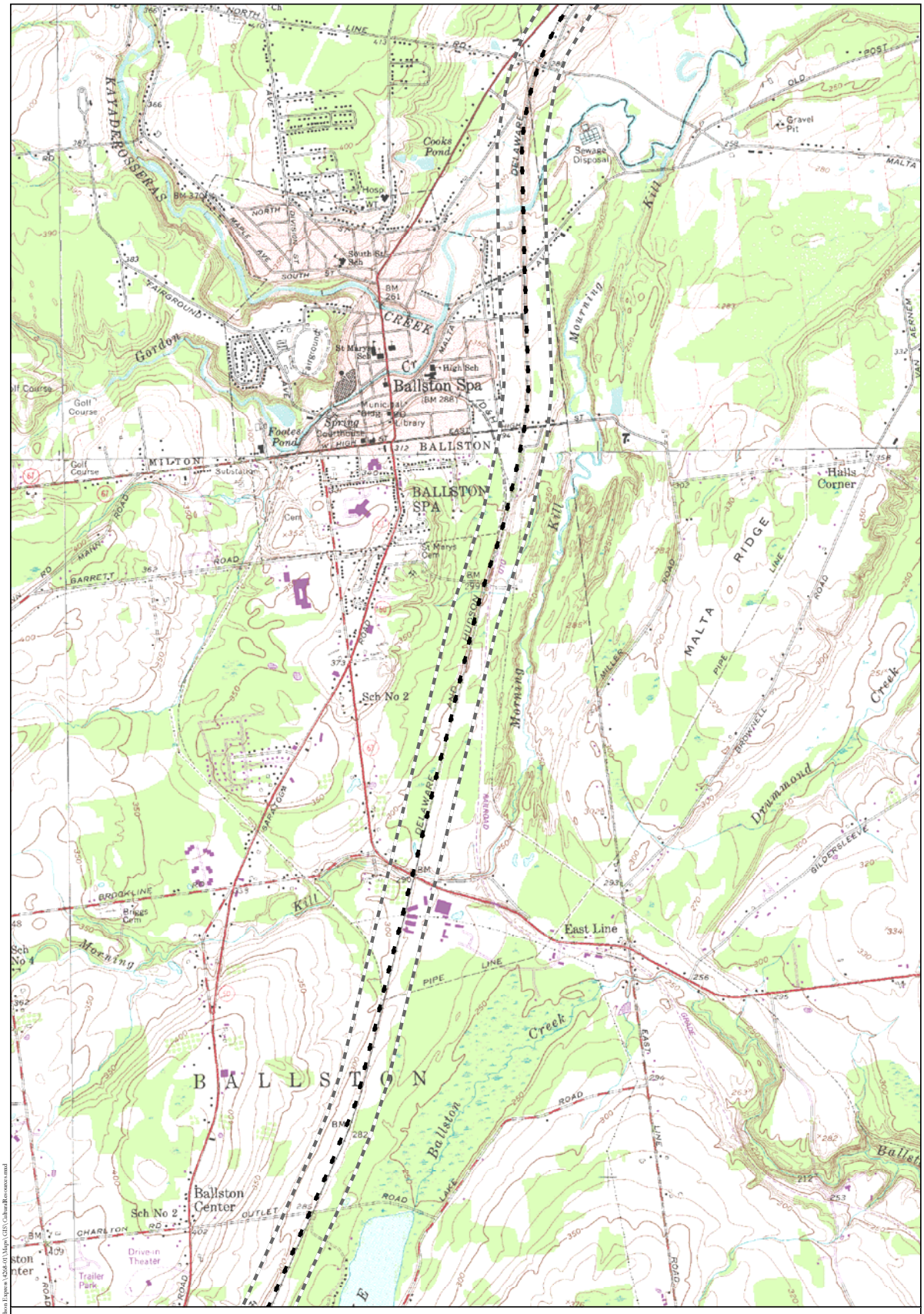
Note: Contour interval is 10 feet.

National Register Eligible and
National Register Listed Property Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 34 d

JS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268-01\Maps\GIS\CulturalResources.mxd



Legend

- National Register Eligible (NRE) Property
- N## NRE Property ID (See Appendix 4)
- National Register Listed (NRL) Property
- N## NRL Property ID (See Appendix 4)
- Proposed Alignment
- Overland Study Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

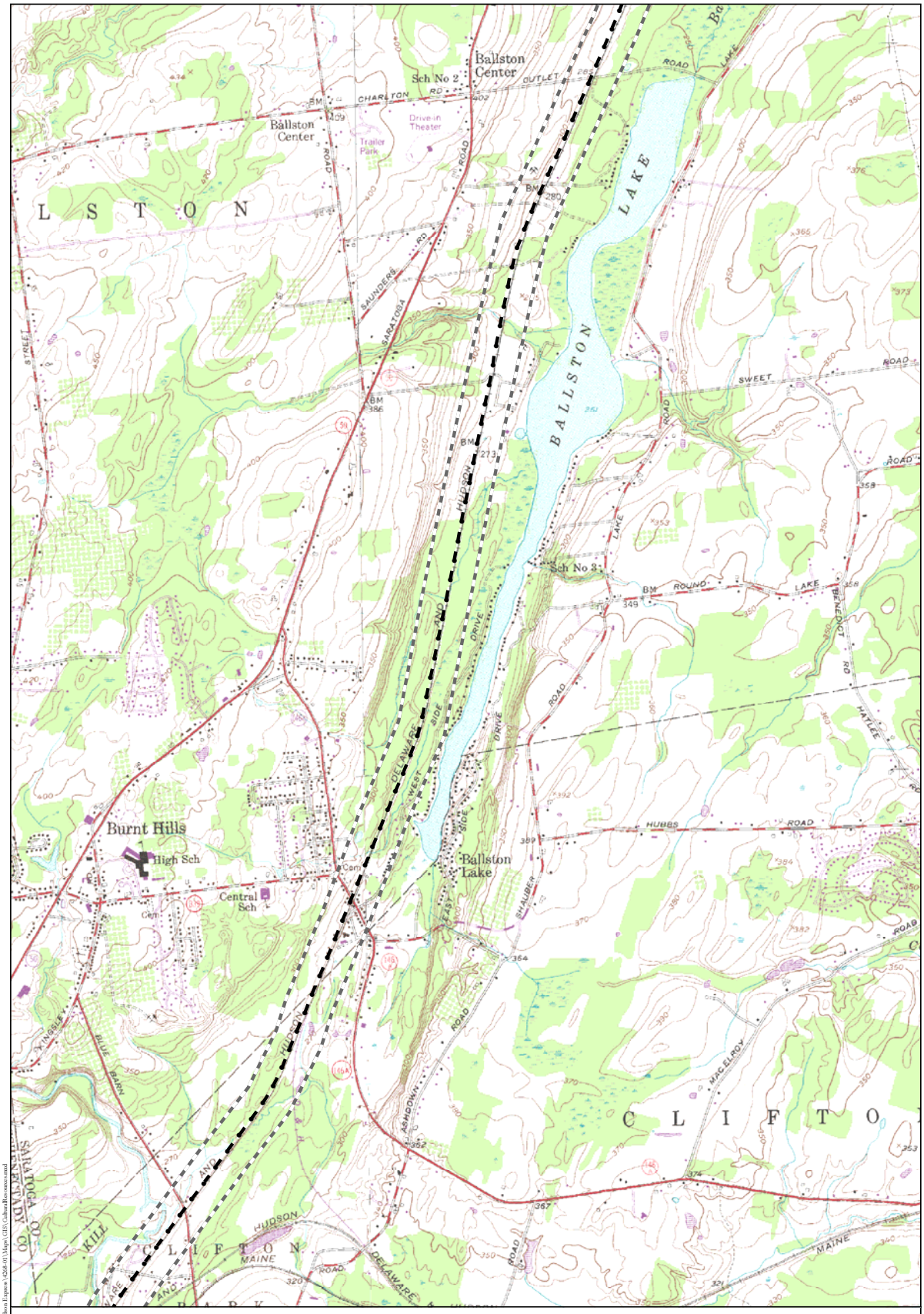
Note: Contour interval is 10 feet.

National Register Eligible and
National Register Listed Property Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 35 d

DS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268-01\Maps\GIS\CulturalResources.mxd



Legend

- National Register Eligible (NRE) Property
- N## NRE Property ID (See Appendix 4)
- National Register Listed (NRL) Property
- N## NRL Property ID (See Appendix 4)
- Proposed Alignment
- Overland Study Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

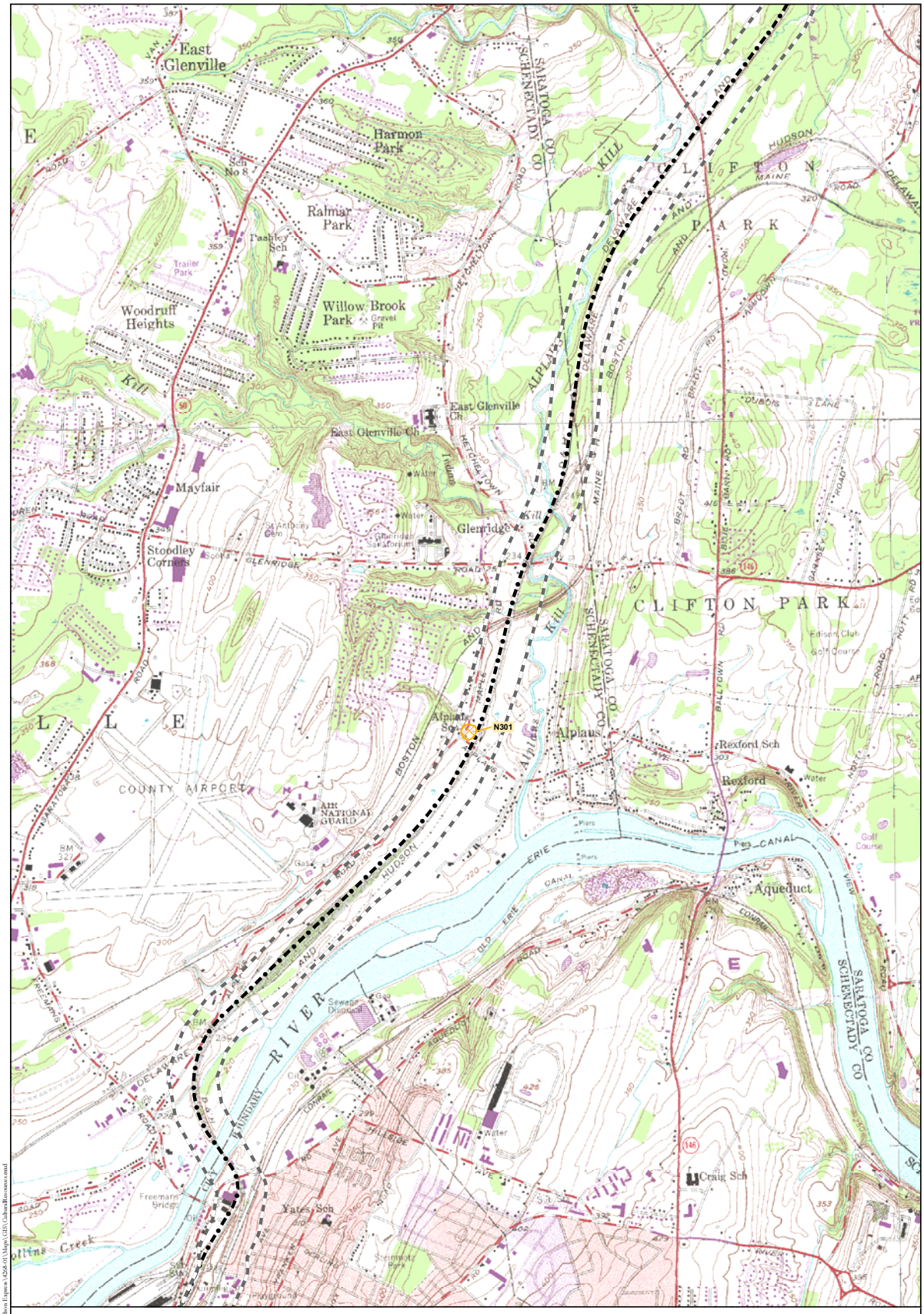
Note: Contour interval is 10 feet.

National Register Eligible and
National Register Listed Property Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 36 d

DS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268-01\Maps\GIS\CulturalResources.mxd



DS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268-01\Maps\GIS\CulturalResources.mxd

Legend

- National Register Eligible (NRE) Property
- N## NRE Property ID (See Appendix 4)
- National Register Listed (NRL) Property
- N## NRL Property ID (See Appendix 4)
- Proposed Alignment
- Overland Study Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

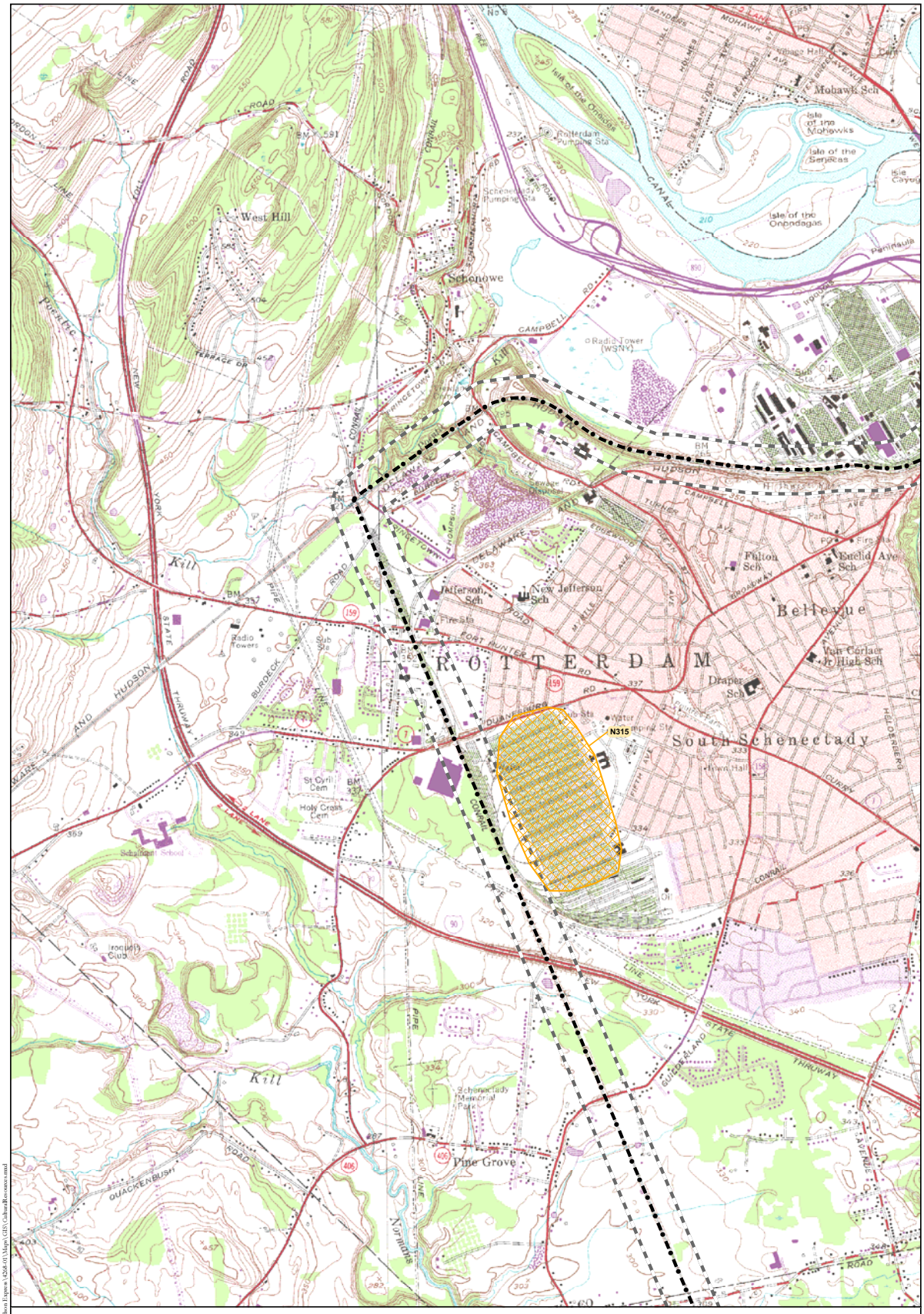
Note: Contour interval is 10 feet.

National Register Eligible and
National Register Listed Property Locations
(HAA, Inc. 2010)

HARTGEN
archeological associates inc

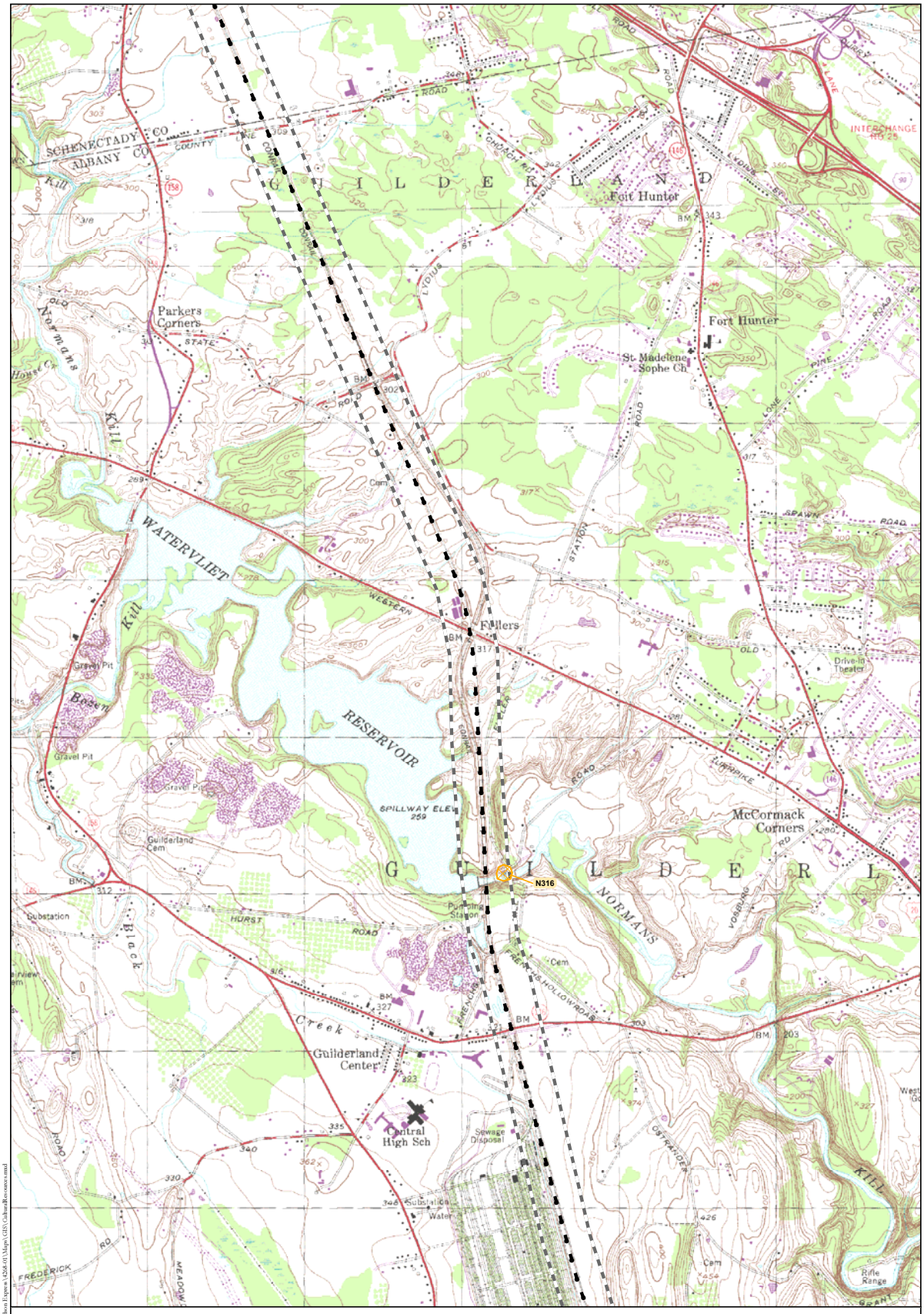
Map 38 d

ES February 16, 2010 R:\Active Projects\4268-Oswego-Hudson Express\4268-01\Maps\GIS\CulturalResources.mxd



National Register Eligible and
National Register Listed Property Locations
(HAA, Inc. 2010)

DS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268-01\Maps\GIS\CulturalResources.mxd



Legend

- National Register Eligible (NRE) Property
- N## NRE Property ID (See Appendix 4)
- National Register Listed (NRL) Property
- N## NRL Property ID (See Appendix 4)
- Proposed Alignment
- Overland Study Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

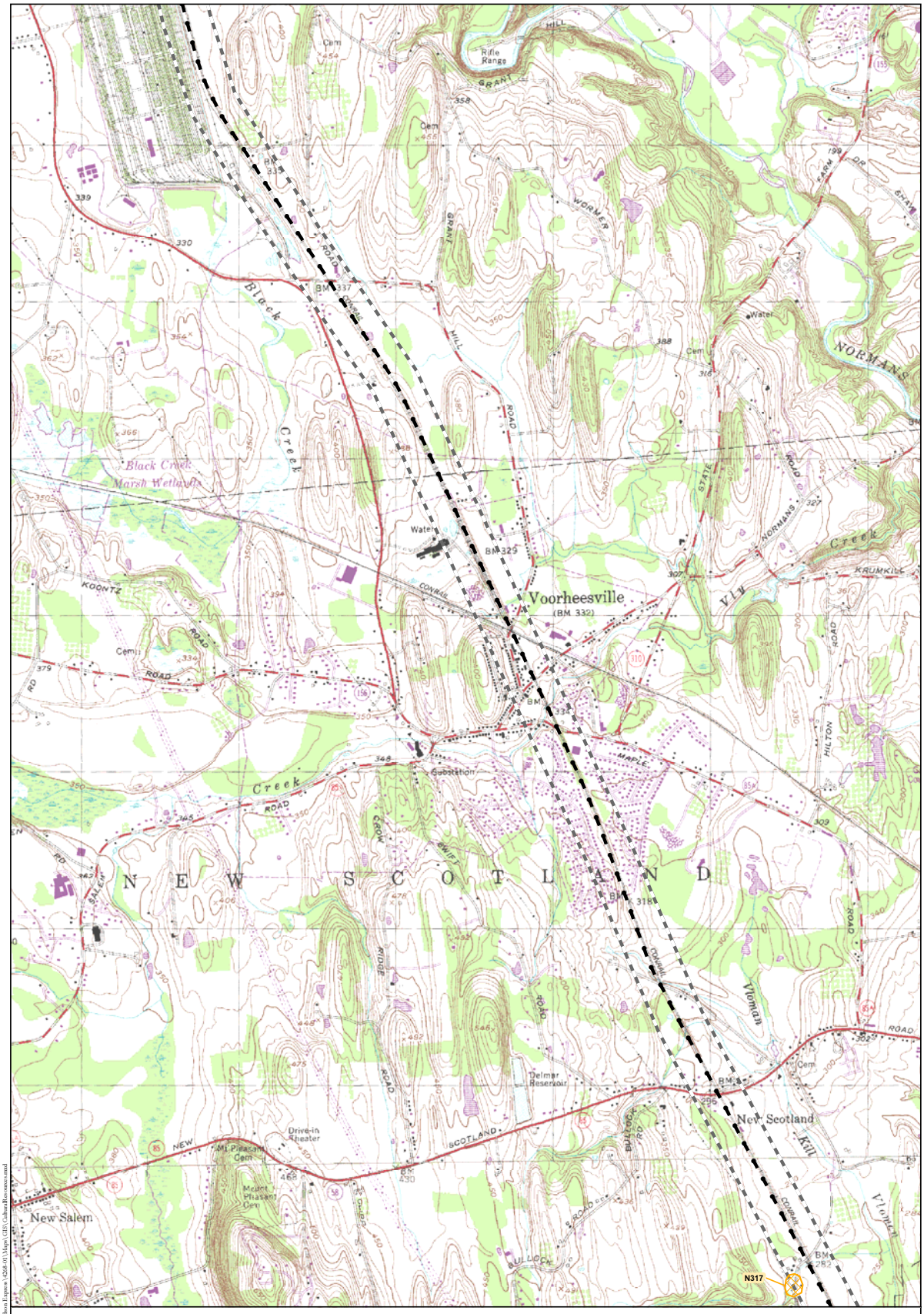
Note: Contour interval is 10 feet.

National Register Eligible and
National Register Listed Property Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 40 d

ES February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268.01\Maps\GIS\CulturalResources.mxd



Legend

- National Register Eligible (NRE) Property
- NRE Property ID (See Appendix 4)
- National Register Listed (NRL) Property
- NRL Property ID (See Appendix 4)
- Proposed Alignment
- Overland Study Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

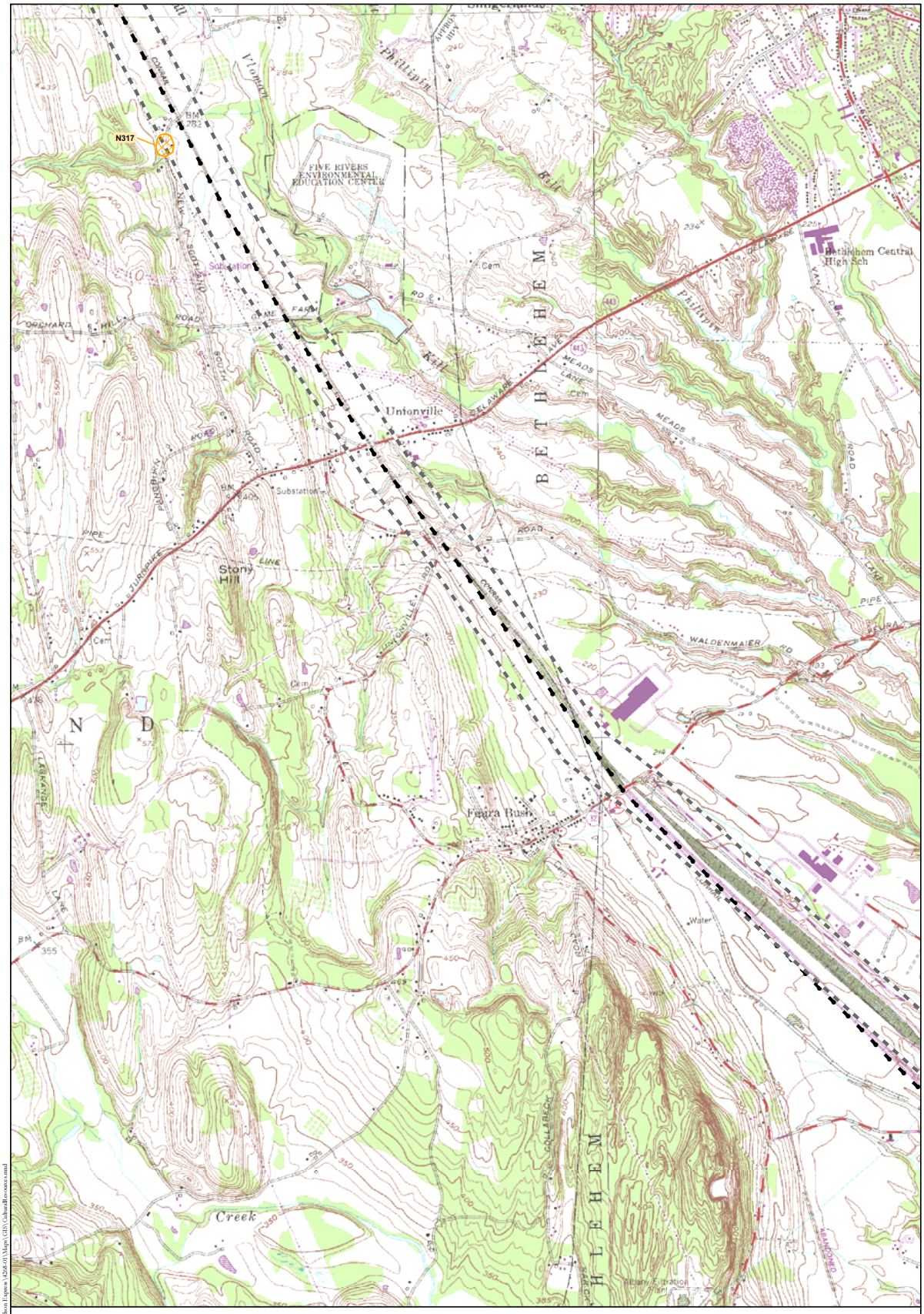
Note: Contour interval is 10 feet.

National Register Eligible and
National Register Listed Property Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 41 d

DS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268-01\Maps\GIS\CulturalResources.mxd



Legend

- National Register Eligible (NRE) Property
- N## NRE Property ID (See Appendix 4)
- National Register Listed (NRL) Property
- N## NRL Property ID (See Appendix 4)
- Proposed Alignment
- Overland Study Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

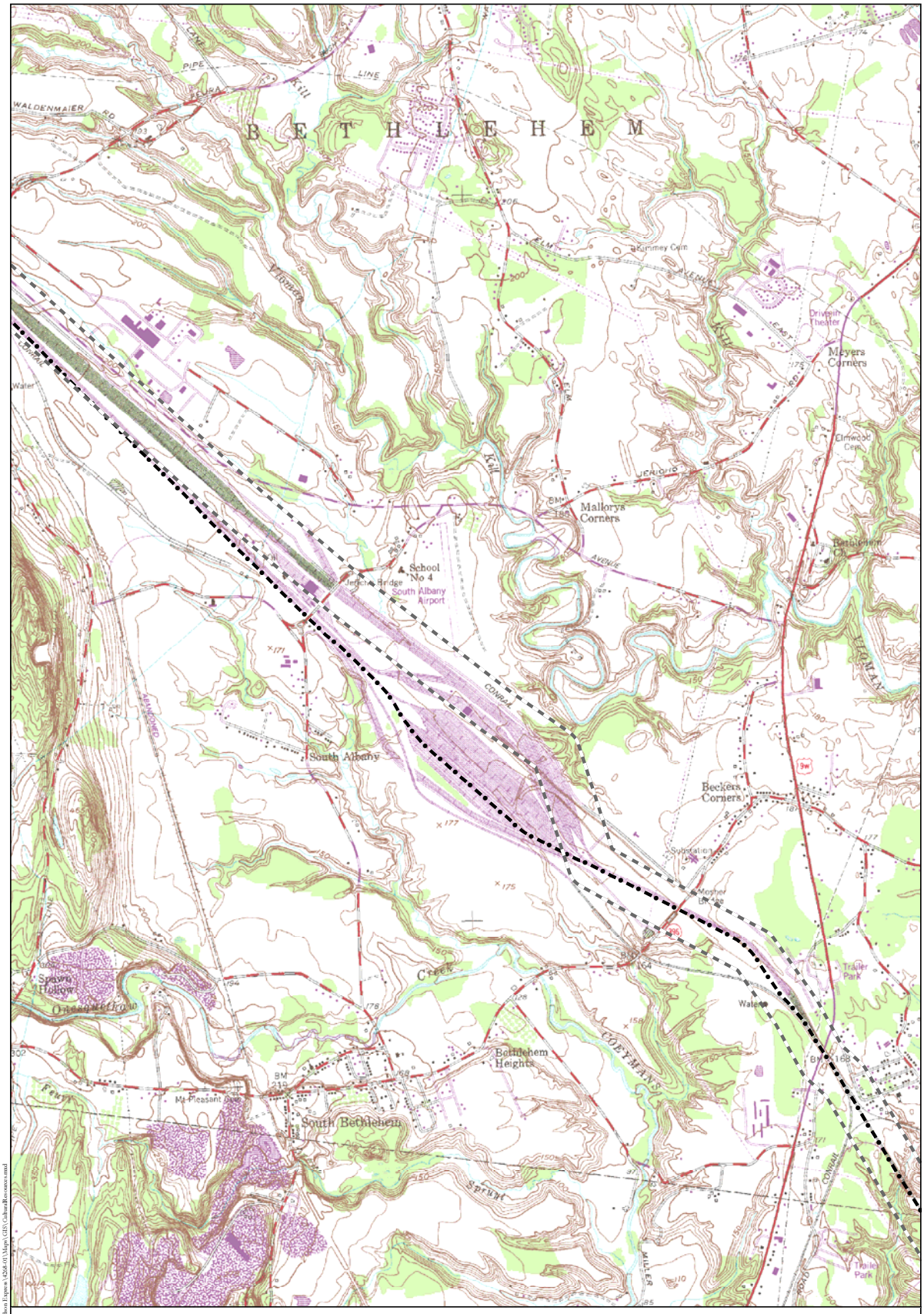
Note: Contour interval is 10 feet.

National Register Eligible and
National Register Listed Property Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 42 d

DS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268-01\Maps\GIS\CulturalResources.mxd



Legend

- National Register Eligible (NRE) Property
- N## NRE Property ID (See Appendix 4)
- National Register Listed (NRL) Property
- N## NRL Property ID (See Appendix 4)
- Proposed Alignment
- Overland Study Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

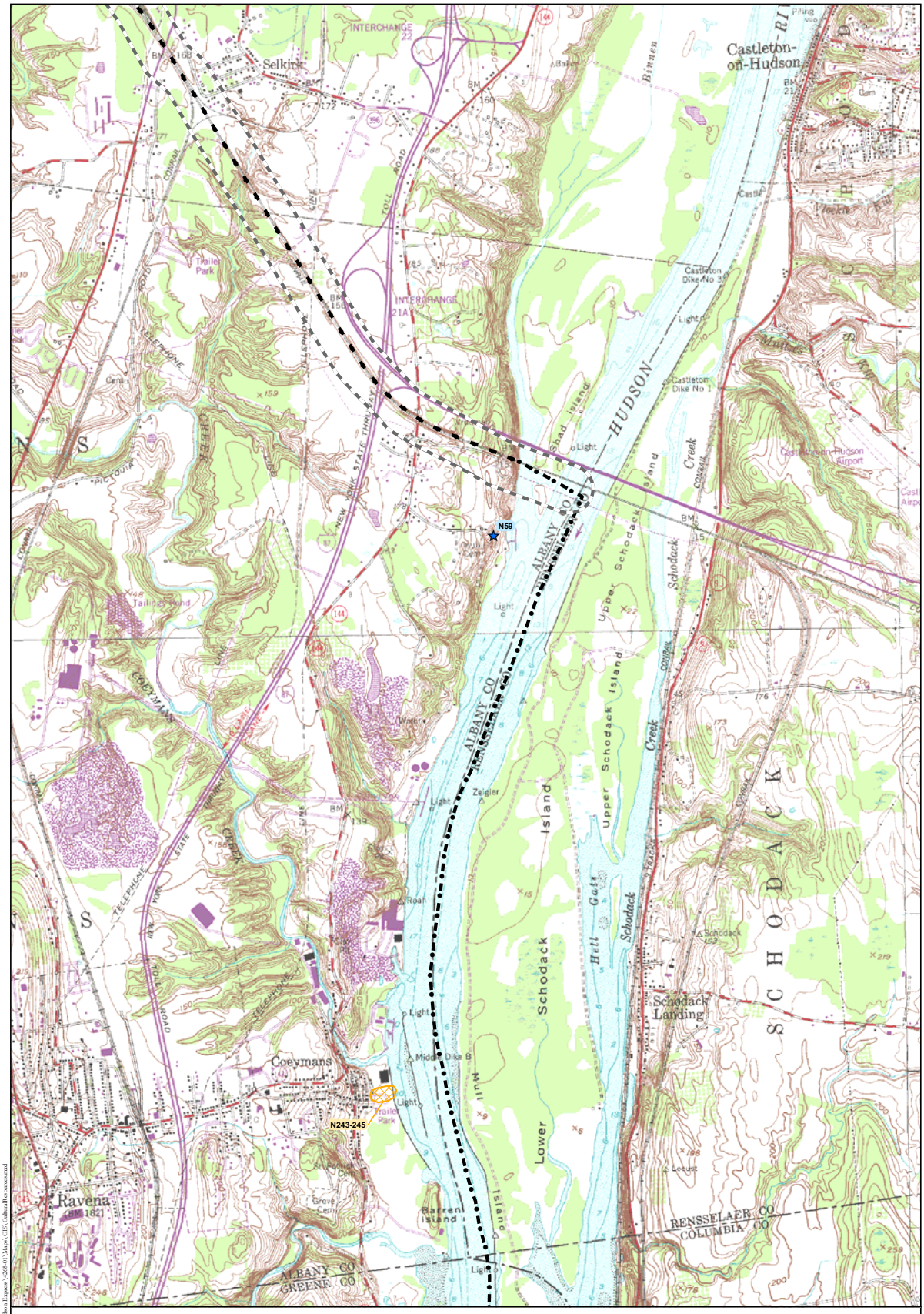
Note: Contour interval is 10 feet.

National Register Eligible and
National Register Listed Property Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 43 d

JS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268-01\Maps\GIS\CulturalResources.mxd



Legend

- National Register Eligible (NRE) Property
- N## NRE Property ID (See Appendix 4)
- National Register Listed (NRL) Property
- N## NRL Property ID (See Appendix 4)
- Proposed Alignment
- Overland Study Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

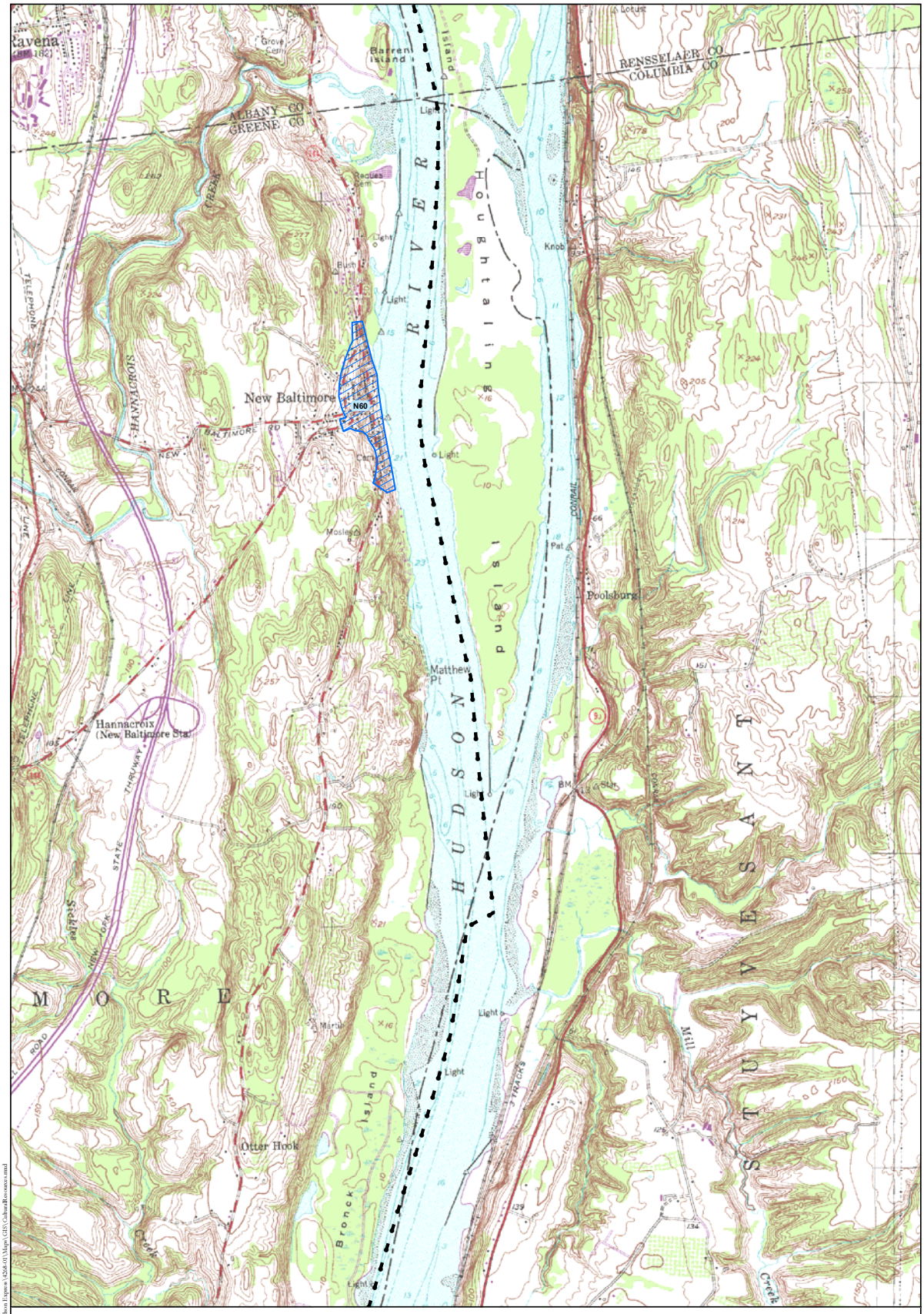
Note: Contour interval is 10 feet.

National Register Eligible and
National Register Listed Property Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 44 d

DS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268-01\Maps\GIS\CulturalResources.mxd



Legend

- National Register Eligible (NRE) Property
- N## NRE Property ID (See Appendix 4)
- National Register Listed (NRL) Property
- N## NRL Property ID (See Appendix 4)
- Proposed Alignment
- Overland Study Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

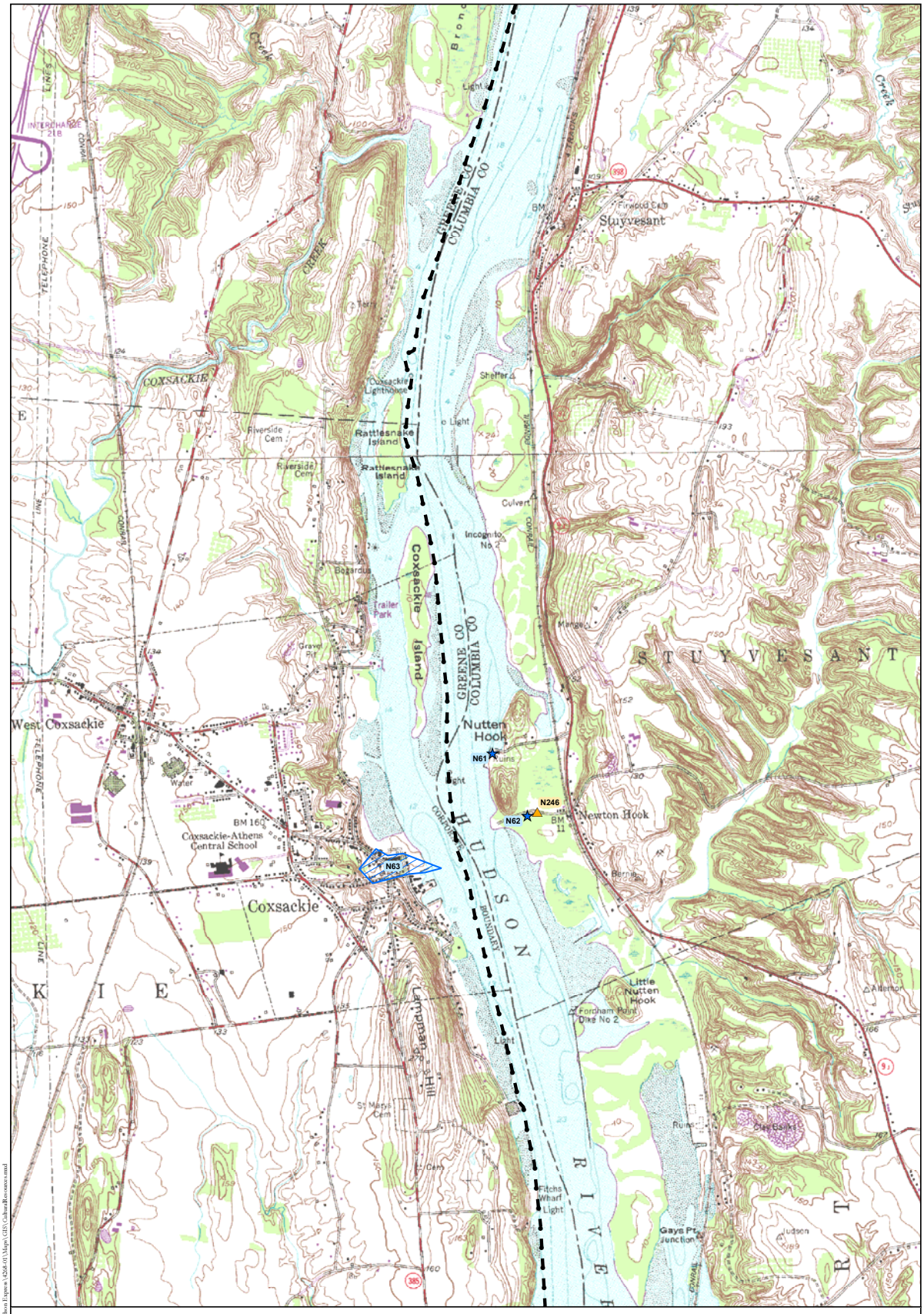
Note: Contour interval is 10 feet.

National Register Eligible and
National Register Listed Property Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 45 d

JS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268-01\Maps\GIS\CulturalResources.mxd



Legend

- National Register Eligible (NRE) Property
- NRE Property ID (See Appendix 4)
- National Register Listed (NRL) Property
- NRL Property ID (See Appendix 4)
- Proposed Alignment
- Overland Study Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

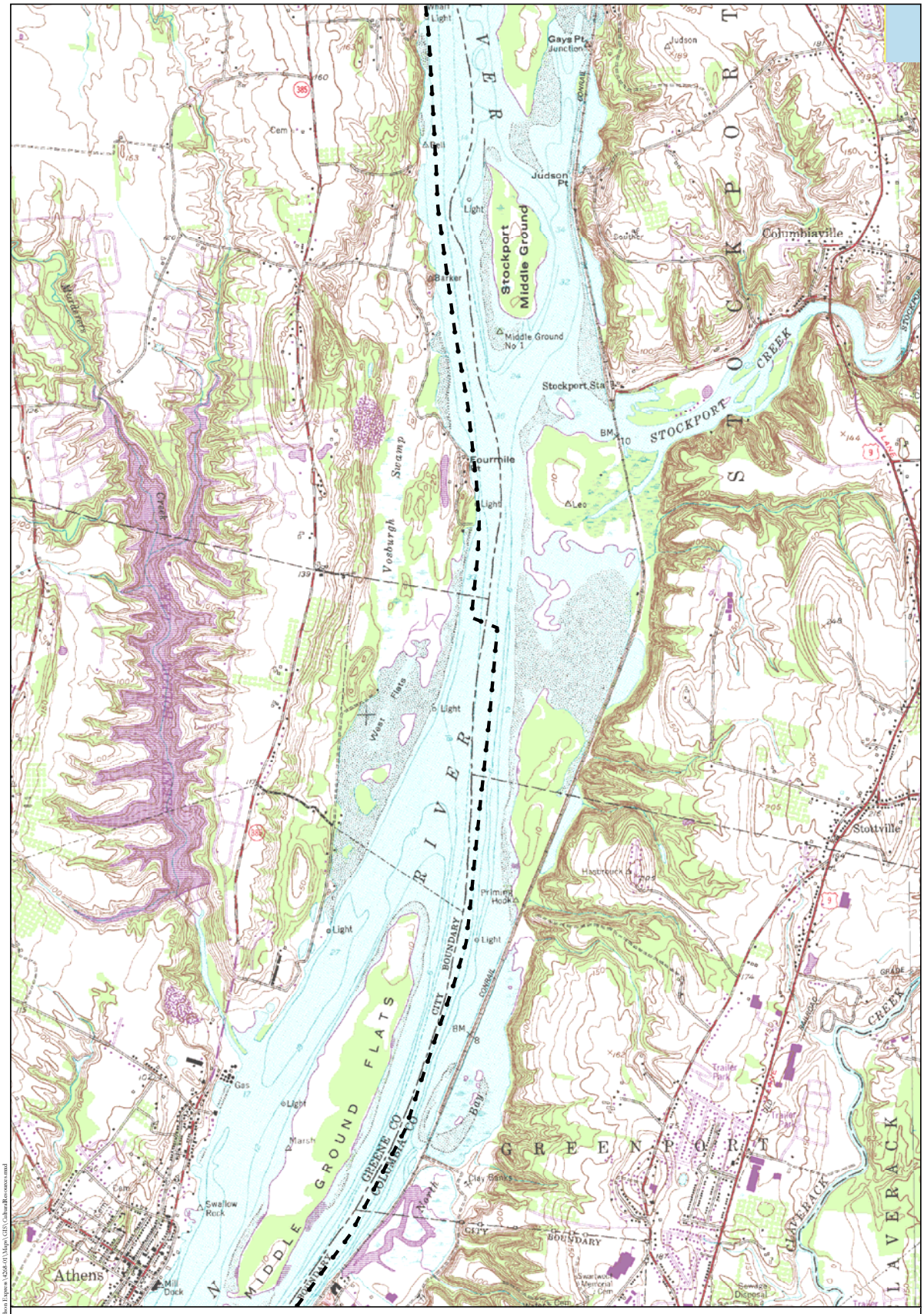
Note: Contour interval is 10 feet.

National Register Eligible and
National Register Listed Property Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 46 d

DS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268-01\Maps\GIS\CulturalResources.mxd



Legend

- National Register Eligible (NRE) Property
- NRE Property ID (See Appendix 4) — N##
- National Register Listed (NRL) Property
- NRL Property ID (See Appendix 4) — N##
- Proposed Alignment
- Overland Study Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

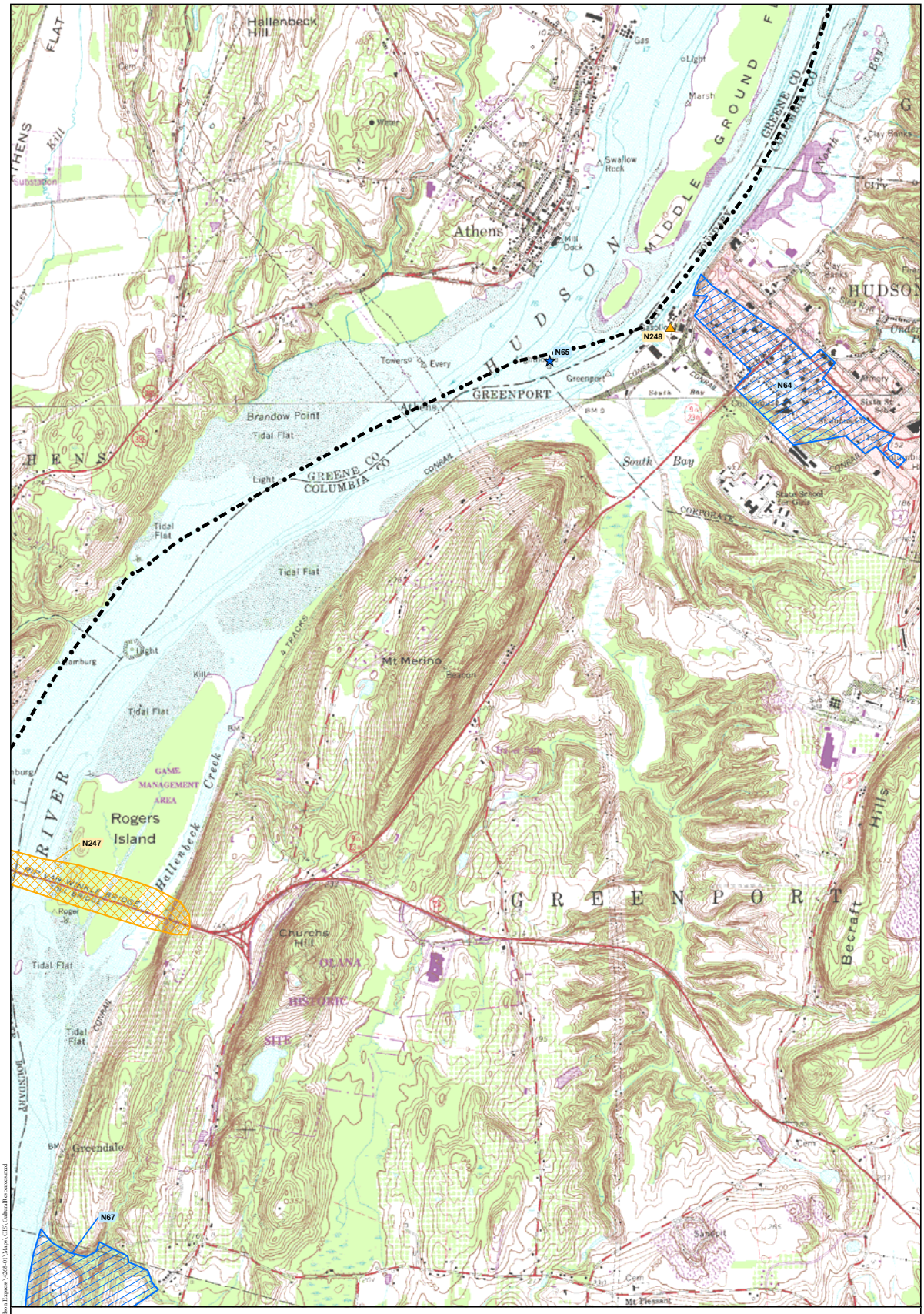
Note: Contour interval is 10 feet.

National Register Eligible and
National Register Listed Property Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 47 d

DS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268-01\Maps\GIS\CulturalResources.mxd



Legend

- National Register Eligible (NRE) Property
- N## NRE Property ID (See Appendix 4)
- National Register Listed (NRL) Property
- N## NRL Property ID (See Appendix 4)
- Proposed Alignment
- Overland Study Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

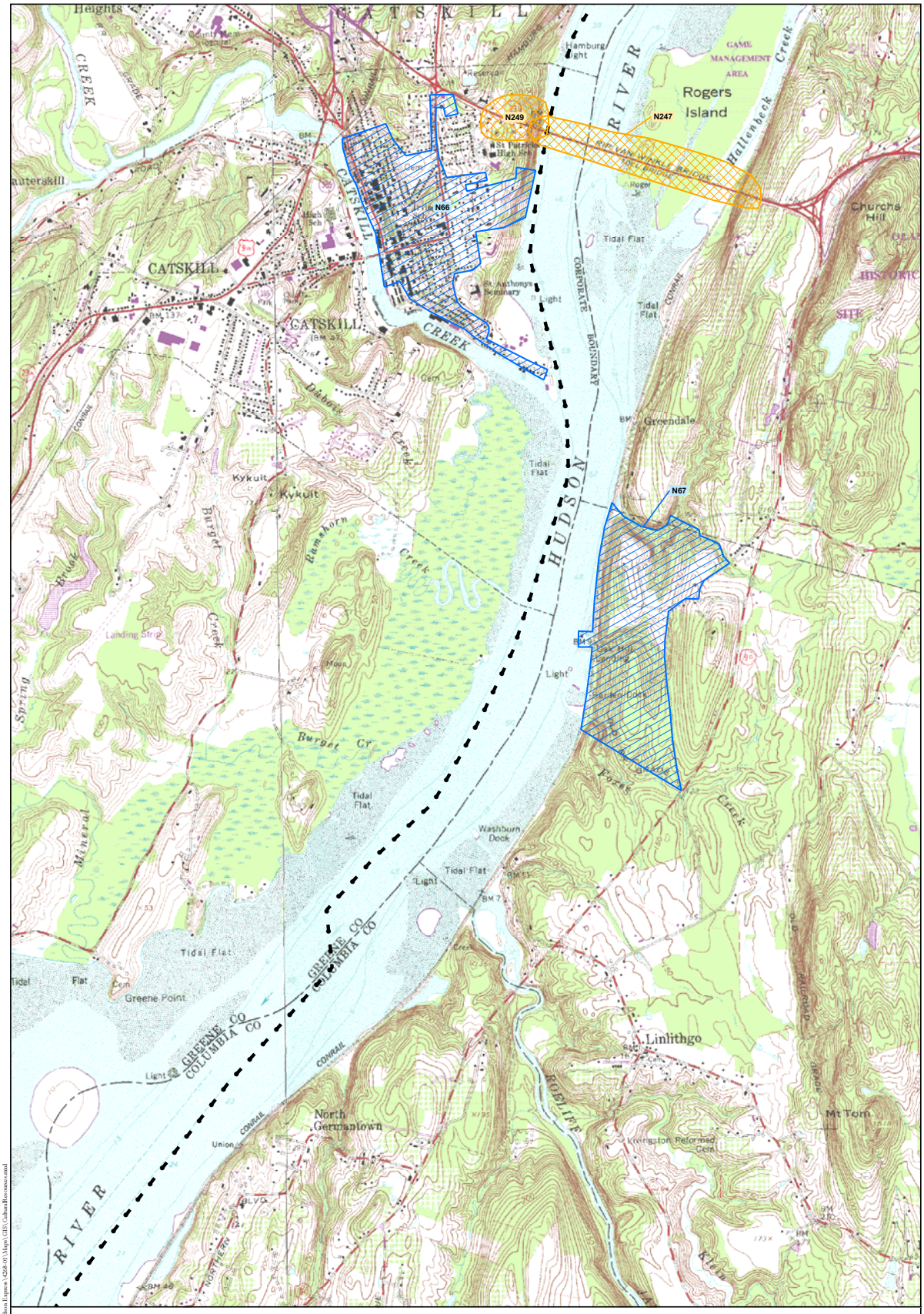
Note: Contour interval is 10 feet.

National Register Eligible and
National Register Listed Property Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 48 d

DS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268-01\Maps\GIS\CulturalResources.mxd



Legend

- National Register Eligible (NRE) Property
- N## NRE Property ID (See Appendix 4)
- National Register Listed (NRL) Property
- N## NRL Property ID (See Appendix 4)
- Proposed Alignment
- Overland Study Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

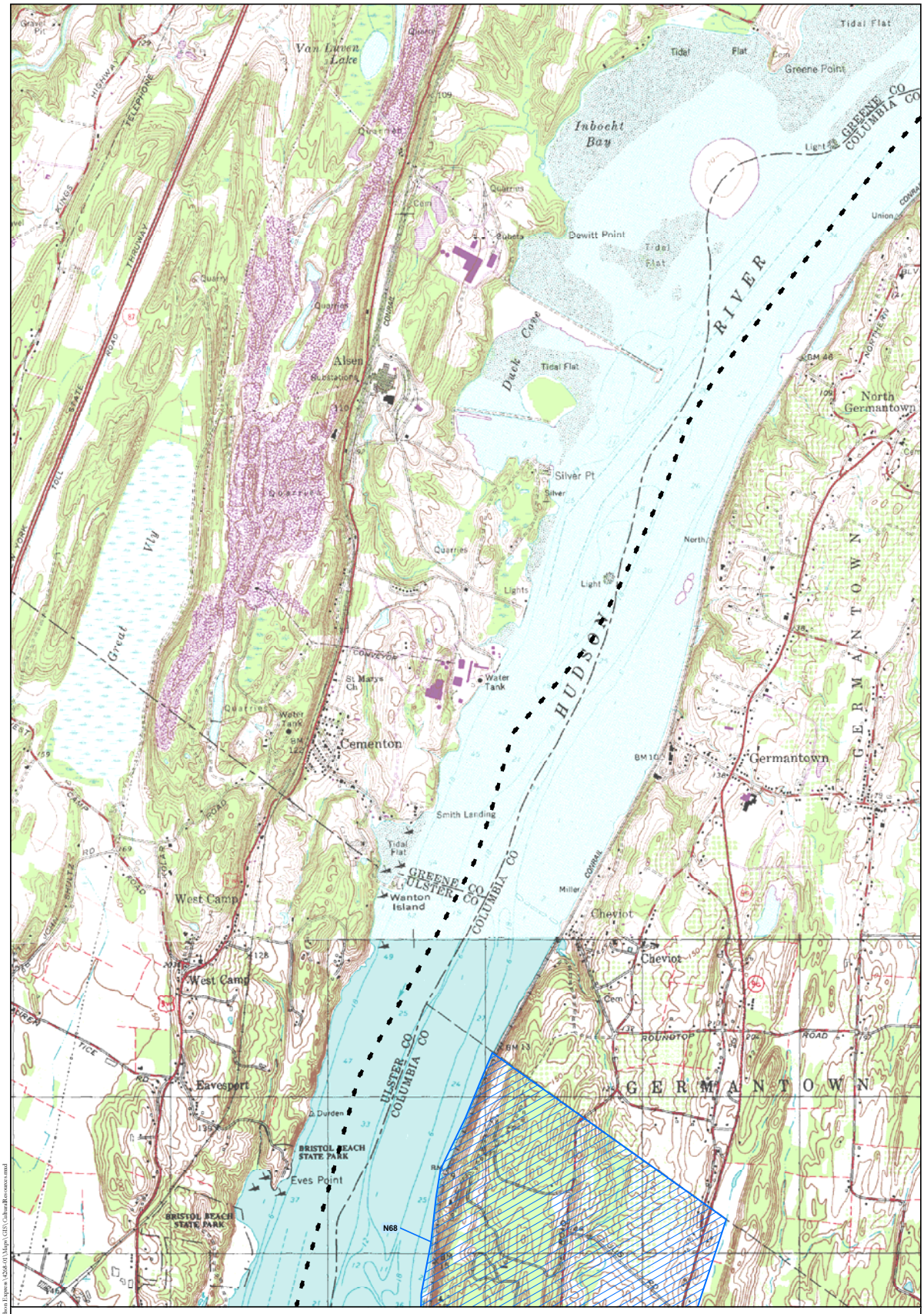
Note: Contour interval is 10 feet.

National Register Eligible and
National Register Listed Property Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 49 d

DS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268-01\Maps\GIS\CulturalResources.mxd



Legend

- National Register Eligible (NRE) Property
- N## NRE Property ID (See Appendix 4)
- National Register Listed (NRL) Property
- N## NRL Property ID (See Appendix 4)
- Proposed Alignment
- Overland Study Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

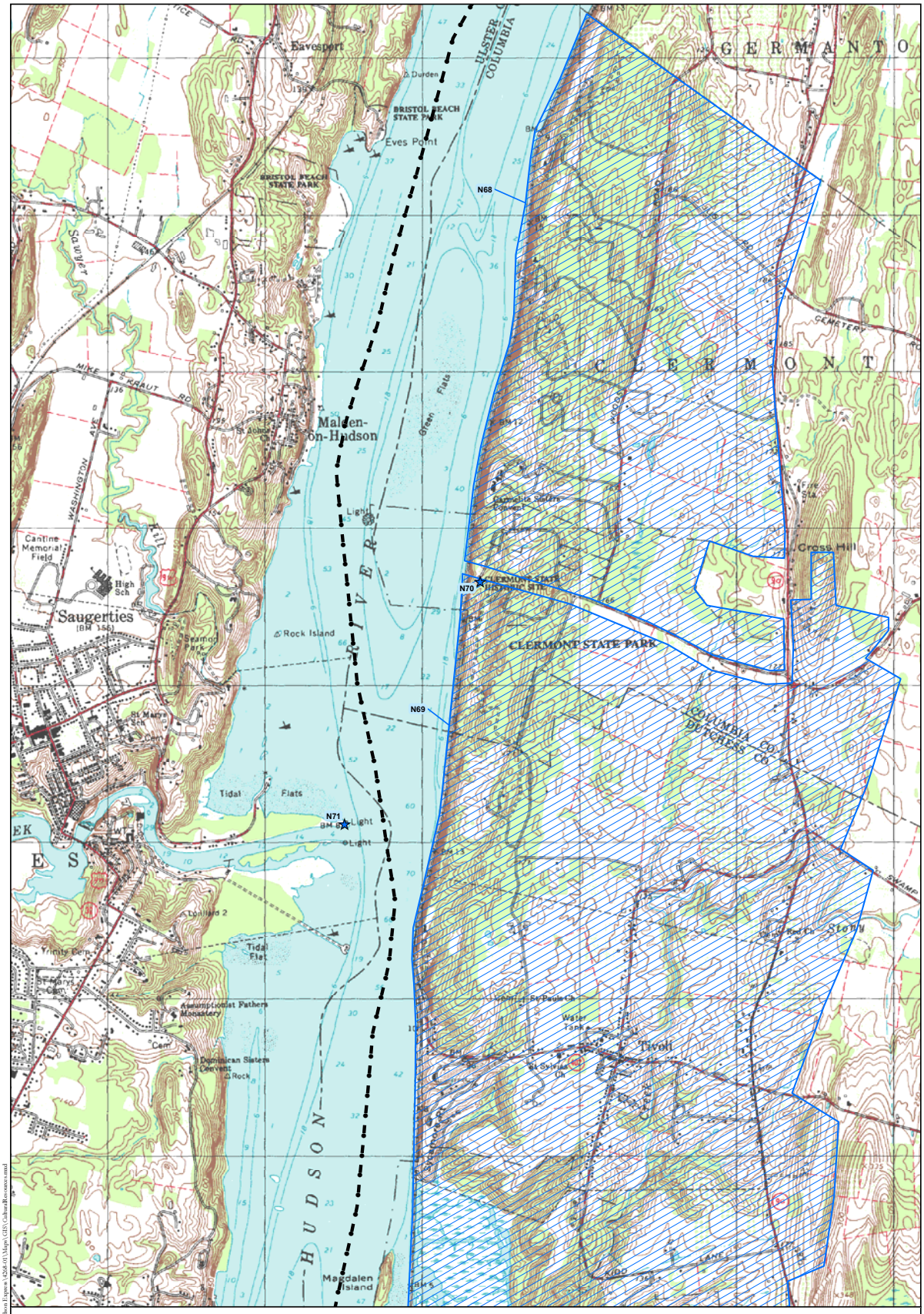
Note: Contour interval is 10 feet.

National Register Eligible and
National Register Listed Property Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 50 d

DS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268-01\Maps\GIS\CulturalResources.mxd



Legend

- National Register Eligible (NRE) Property
- N## NRE Property ID (See Appendix 4)
- National Register Listed (NRL) Property
- N## NRL Property ID (See Appendix 4)
- Proposed Alignment
- Overland Study Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

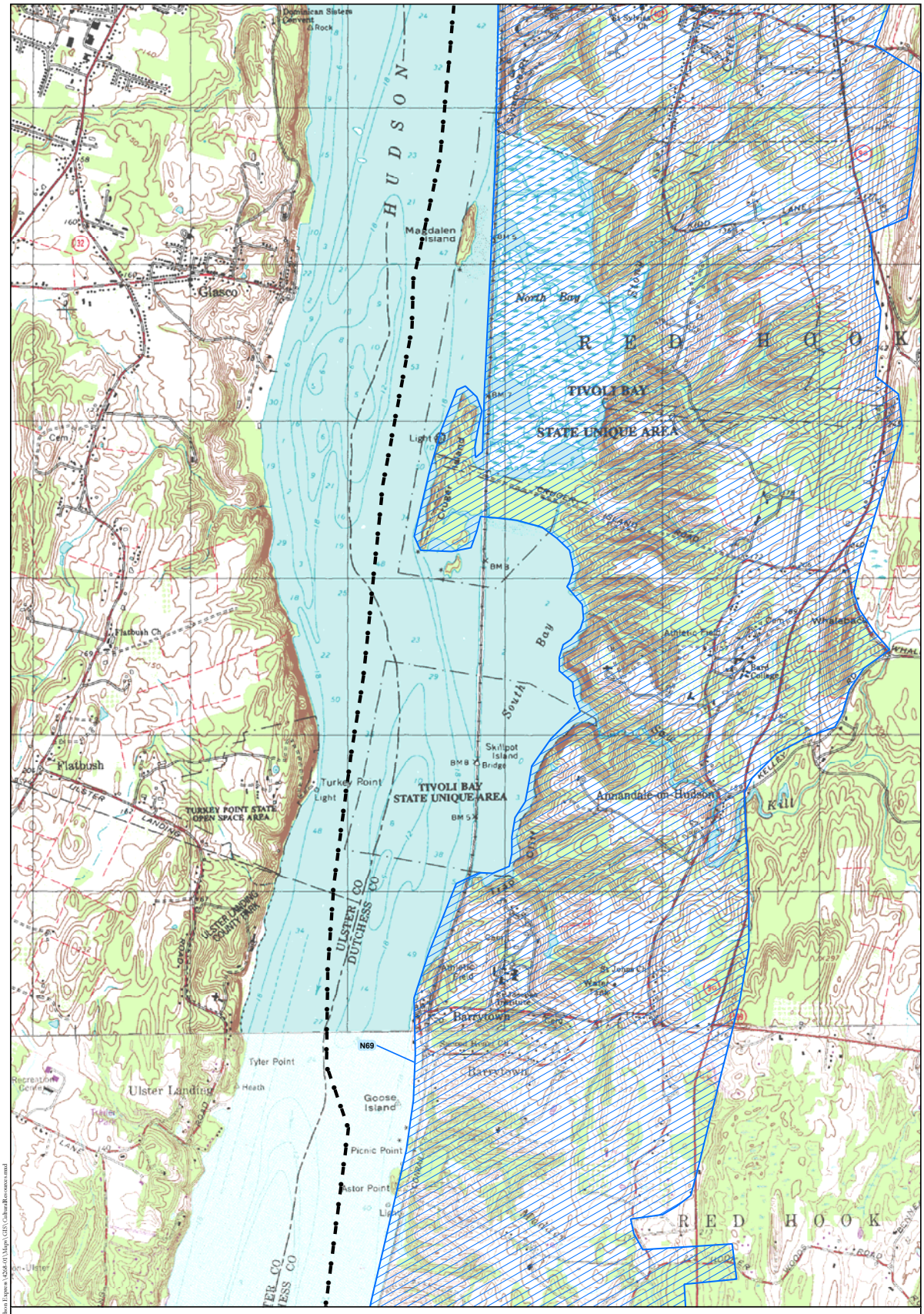
Note: Contour interval is 10 feet.

National Register Eligible and
National Register Listed Property Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 51d

DS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268-01\Maps\GIS\CulturalResources.mxd



Legend

- National Register Eligible (NRE) Property
- N## NRE Property ID (See Appendix 4)
- National Register Listed (NRL) Property
- N## NRL Property ID (See Appendix 4)
- Proposed Alignment
- Overland Study Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

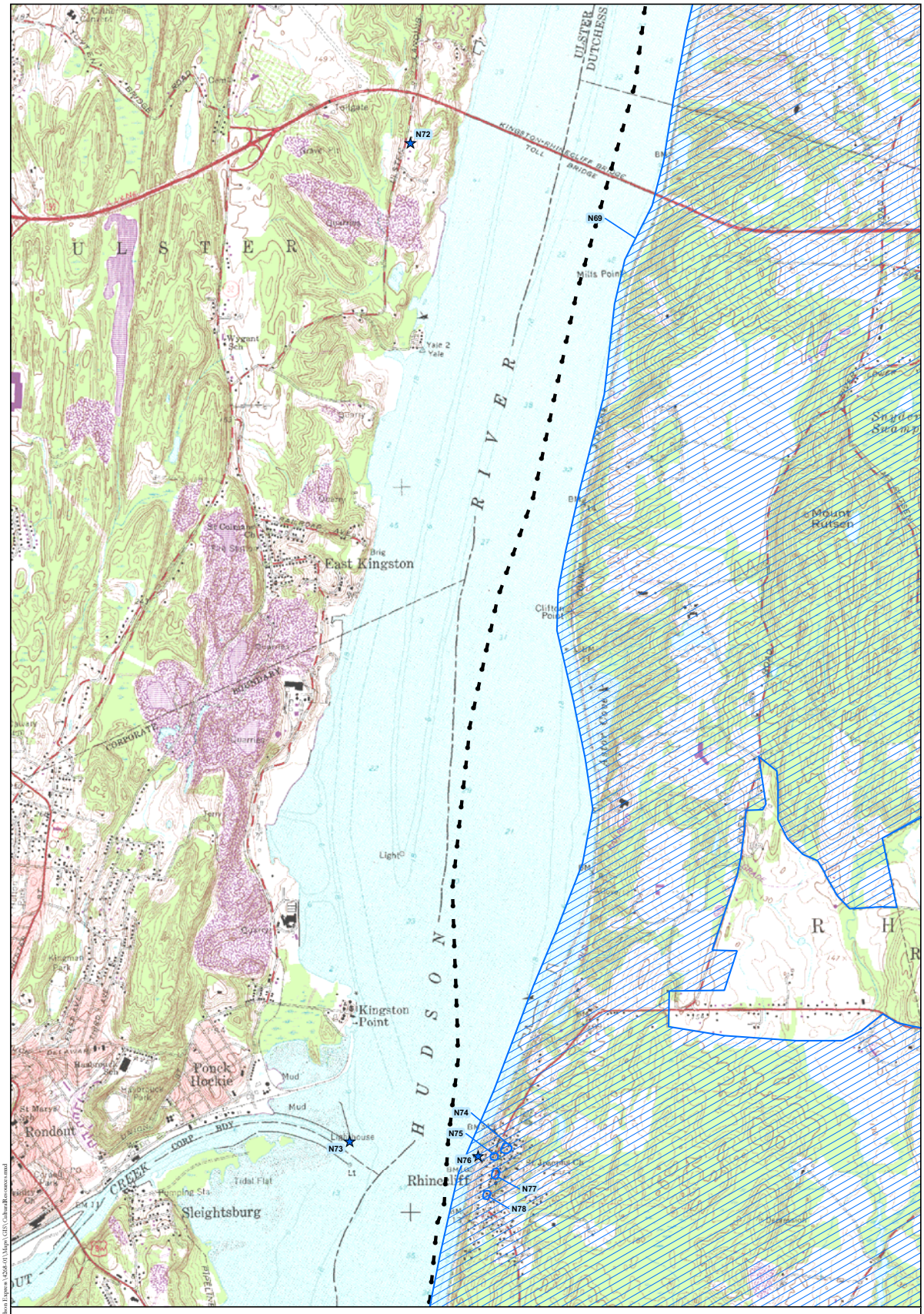
Note: Contour interval is 10 feet.

National Register Eligible and
National Register Listed Property Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 52 d

DS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268-01\Maps\GIS\CulturalResources.mxd



Legend

- National Register Eligible (NRE) Property
- N## NRE Property ID (See Appendix 4)
- National Register Listed (NRL) Property
- N## NRL Property ID (See Appendix 4)
- Proposed Alignment
- Overland Study Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

Note: Contour interval is 10 feet.

National Register Eligible and
National Register Listed Property Locations
(HAA, Inc. 2010)

HARTGEN
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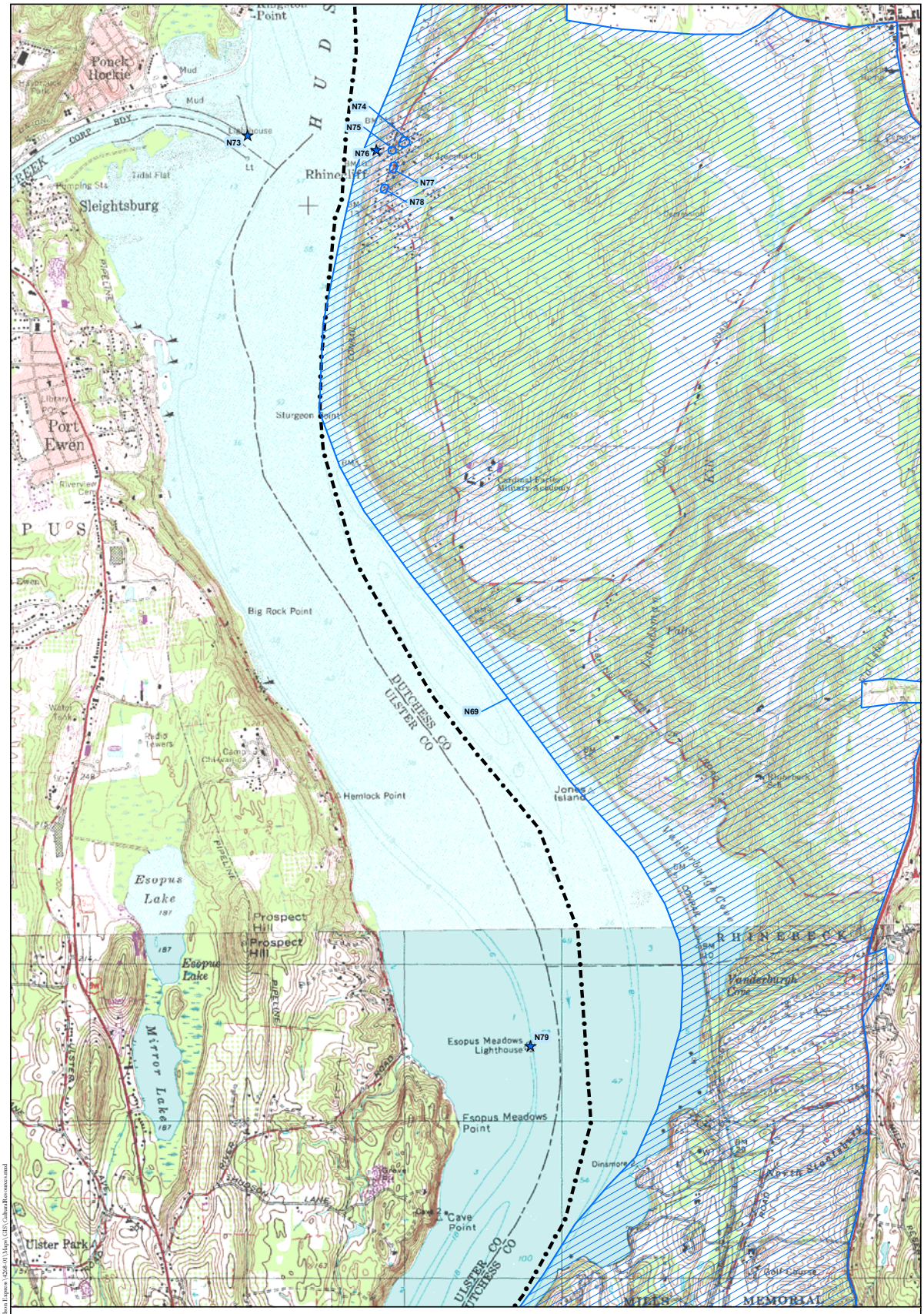
Map 53 d

ES February 16, 2010 R:\Active Projects\4268 Oswego-Hudson Express\4268-01\Maps\GIS\CulturalResources.mxd



Legend

- National Register Eligible (NRE) Property
- N## NRE Property ID (See Appendix 4)
- National Register Listed (NRL) Property
- N## NRL Property ID (See Appendix 4)
- Proposed Alignment
- Overland Study Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

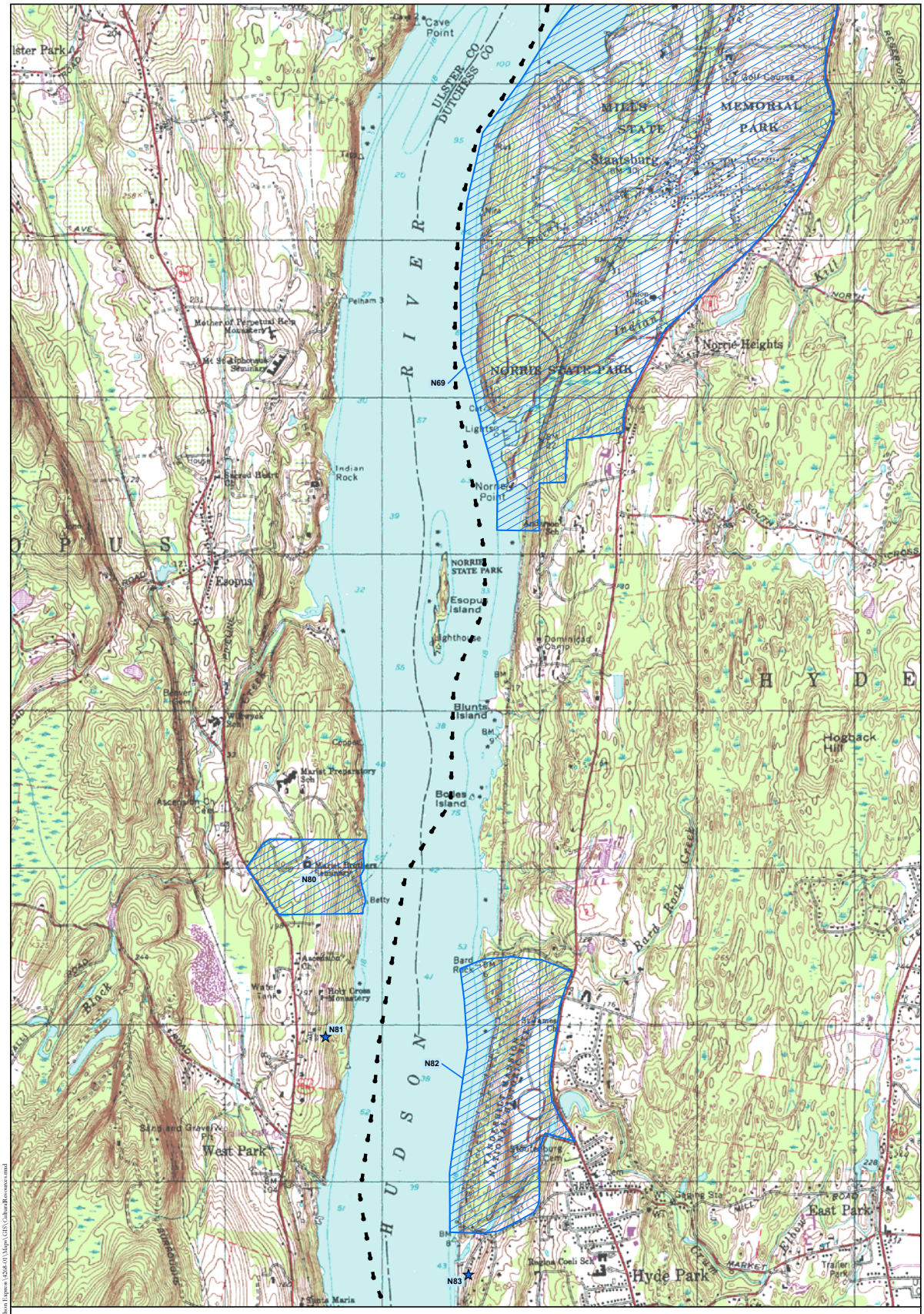
Note: Contour interval is 10 feet.

National Register Eligible and
National Register Listed Property Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 54 d

DS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268-01\Maps\GIS\CulturalResources.mxd



Legend

- National Register Eligible (NRE) Property
- N## NRE Property ID (See Appendix 4)
- National Register Listed (NRL) Property
- N## NRL Property ID (See Appendix 4)
- Proposed Alignment
- Overland Study Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

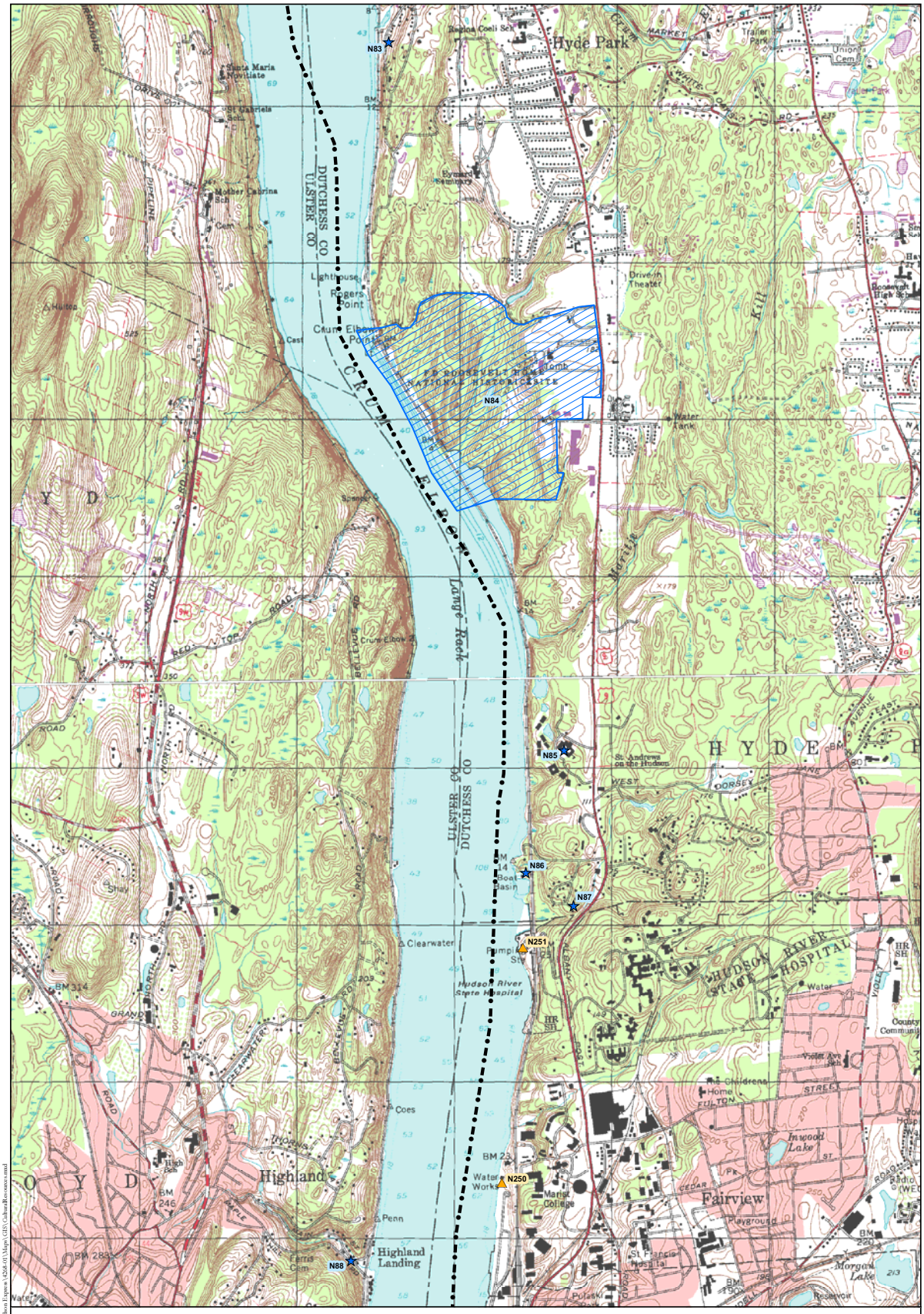
Note: Contour interval is 10 feet.

National Register Eligible and
National Register Listed Property Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 55 d

DS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268-01\Maps\GIS\CulturalResources.mxd



Legend

- National Register Eligible (NRE) Property
- N## NRE Property ID (See Appendix 4)
- National Register Listed (NRL) Property
- N## NRL Property ID (See Appendix 4)
- Proposed Alignment
- Overland Study Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

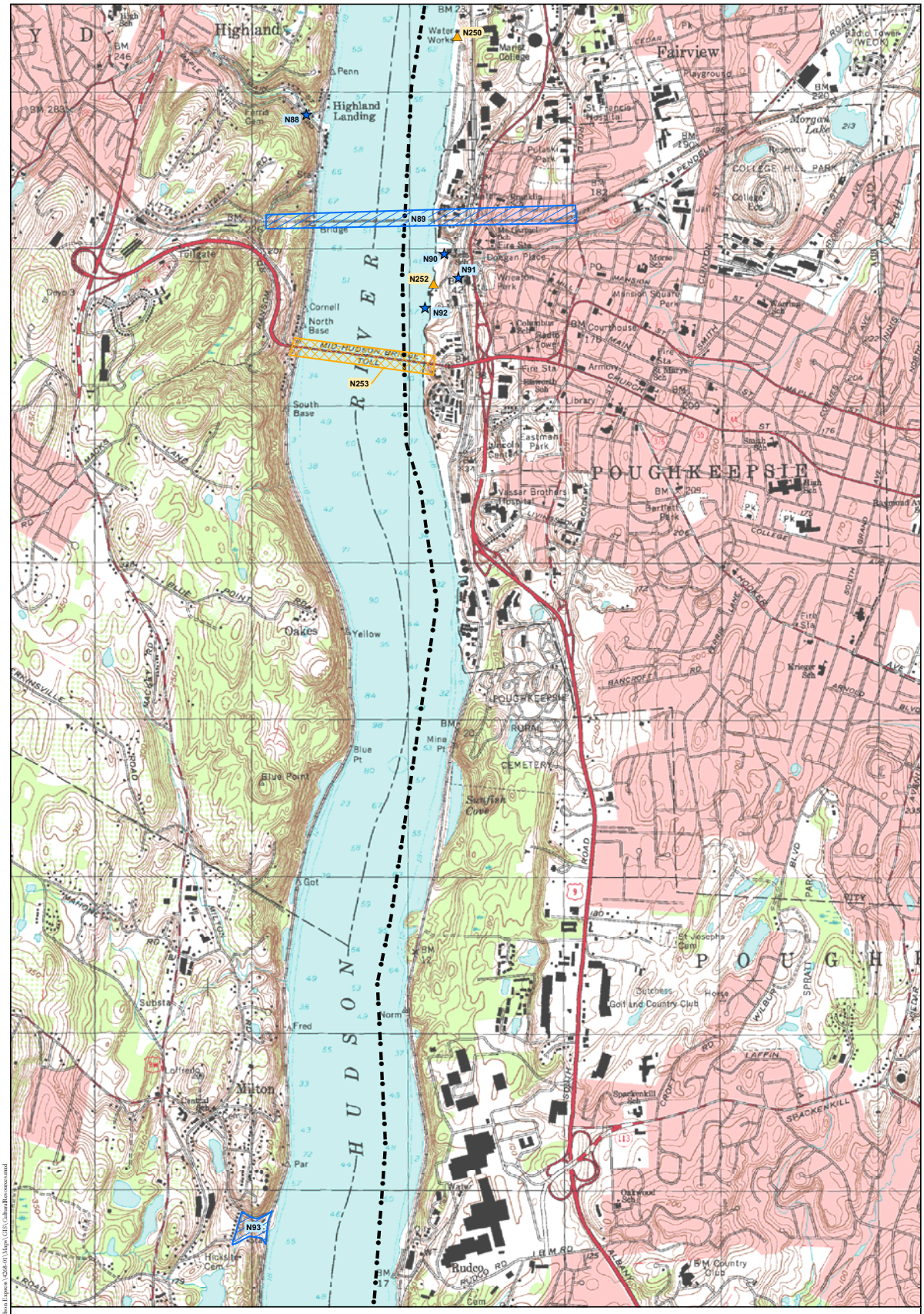
Note: Contour interval is 10 feet.

National Register Eligible and
National Register Listed Property Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 56 d

DS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268-01\Maps\GIS\CulturalResources.mxd



Legend

- National Register Eligible (NRE) Property
- NRE Property ID (See Appendix 4)
- National Register Listed (NRL) Property
- NRL Property ID (See Appendix 4)
- Proposed Alignment
- Overland Study Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

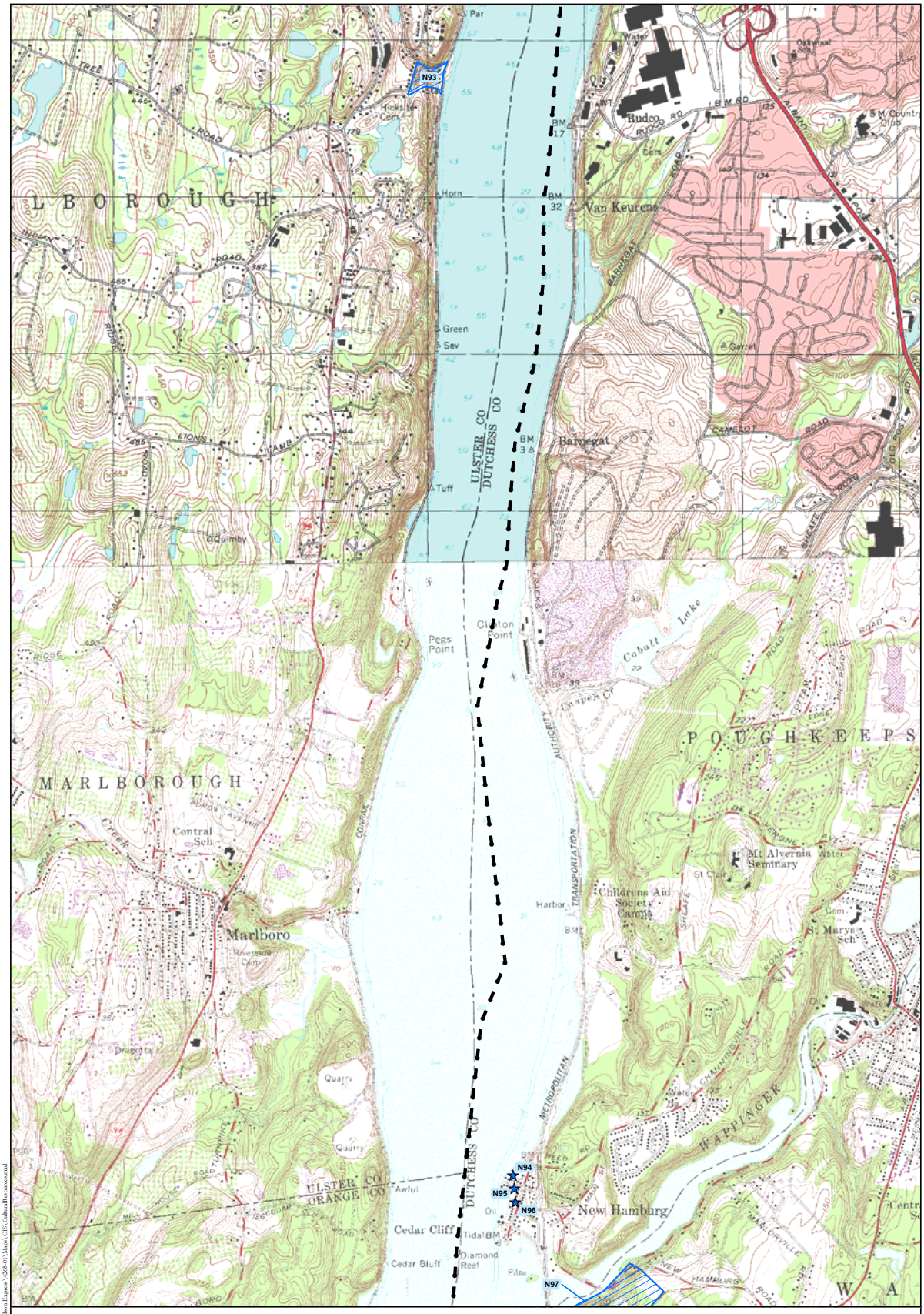
Note: Contour interval is 10 feet.

National Register Eligible and
National Register Listed Property Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 57 d

DS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268.01\Maps\GIS\CulturalResources.mxd



Legend

- National Register Eligible (NRE) Property
- N## NRE Property ID (See Appendix 4)
- National Register Listed (NRL) Property
- N## NRL Property ID (See Appendix 4)
- Proposed Alignment
- Overland Study Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

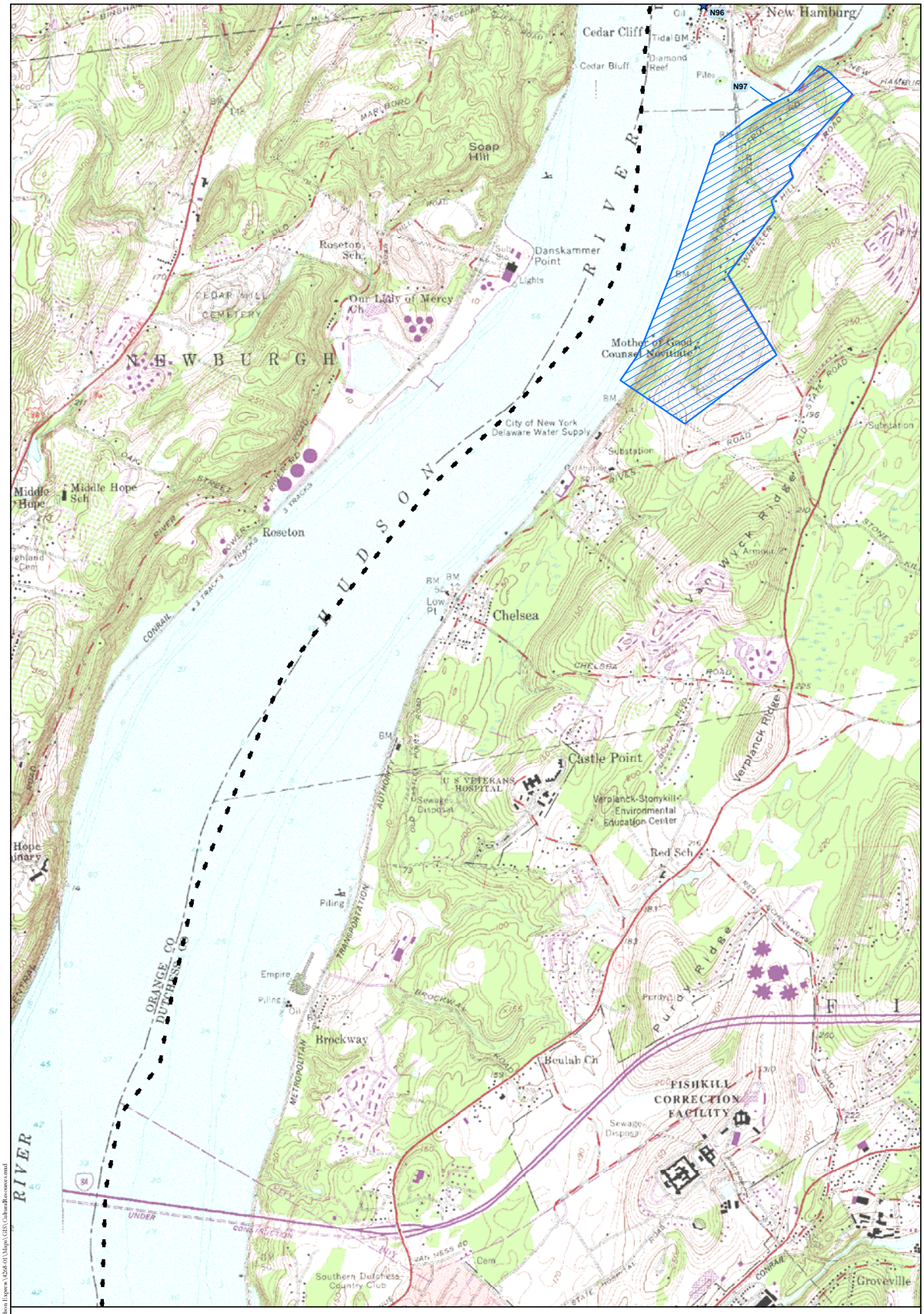
Note: Contour interval is 10 feet.

National Register Eligible and
National Register Listed Property Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 58 d

DS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268-01\Maps\GIS\CulturalResources.mxd



Legend

- National Register Eligible (NRE) Property
- NRE Property ID (See Appendix 4)
- National Register Listed (NRL) Property
- NRL Property ID (See Appendix 4)
- Proposed Alignment
- Overland Study Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

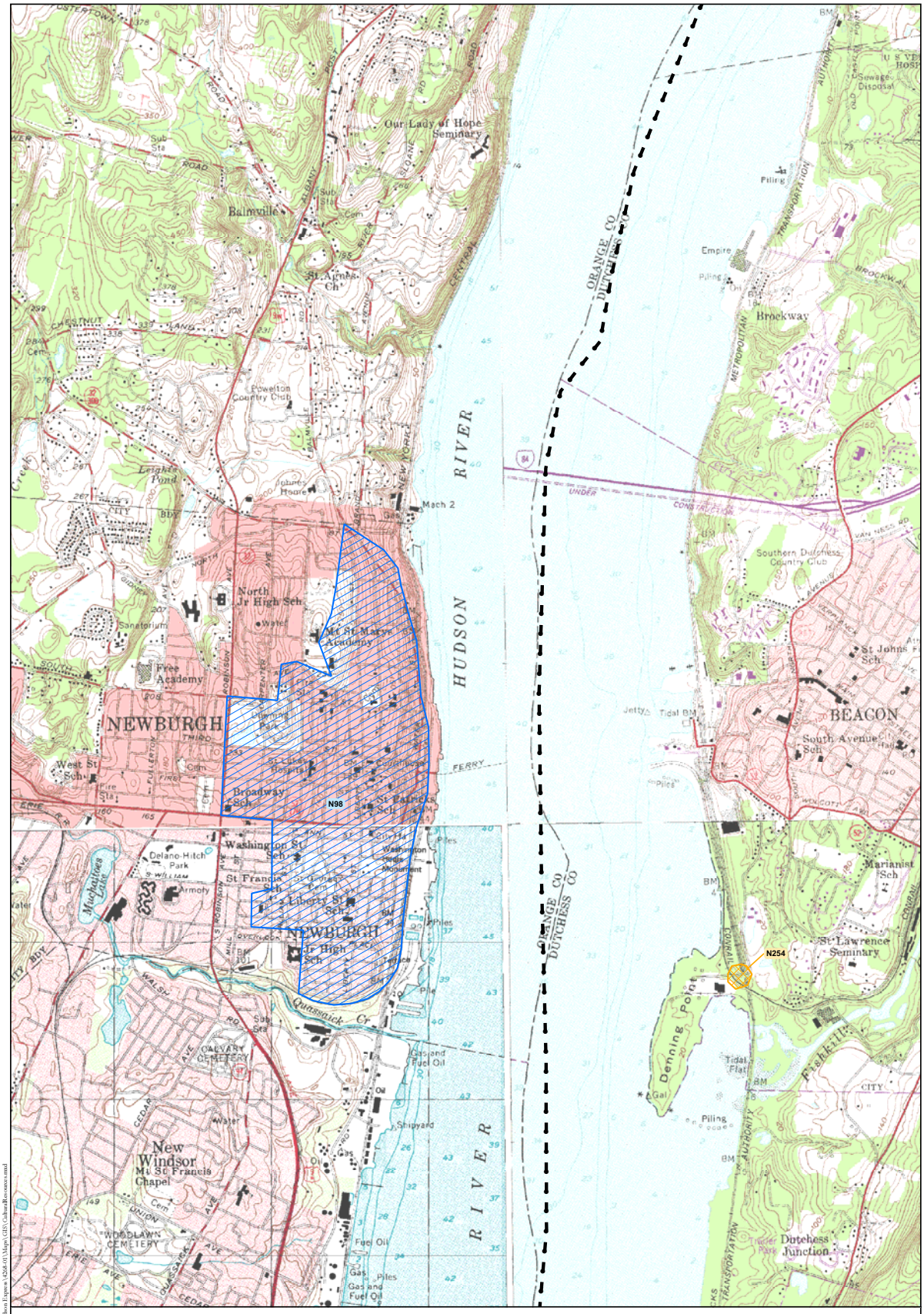
Note: Contour interval is 10 feet.

National Register Eligible and
National Register Listed Property Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 59 d

DS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268-01\Maps\GIS\CulturalResources.mxd



Legend

- National Register Eligible (NRE) Property
- NRE Property ID (See Appendix 4)
- National Register Listed (NRL) Property
- NRL Property ID (See Appendix 4)
- Proposed Alignment
- Overland Study Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

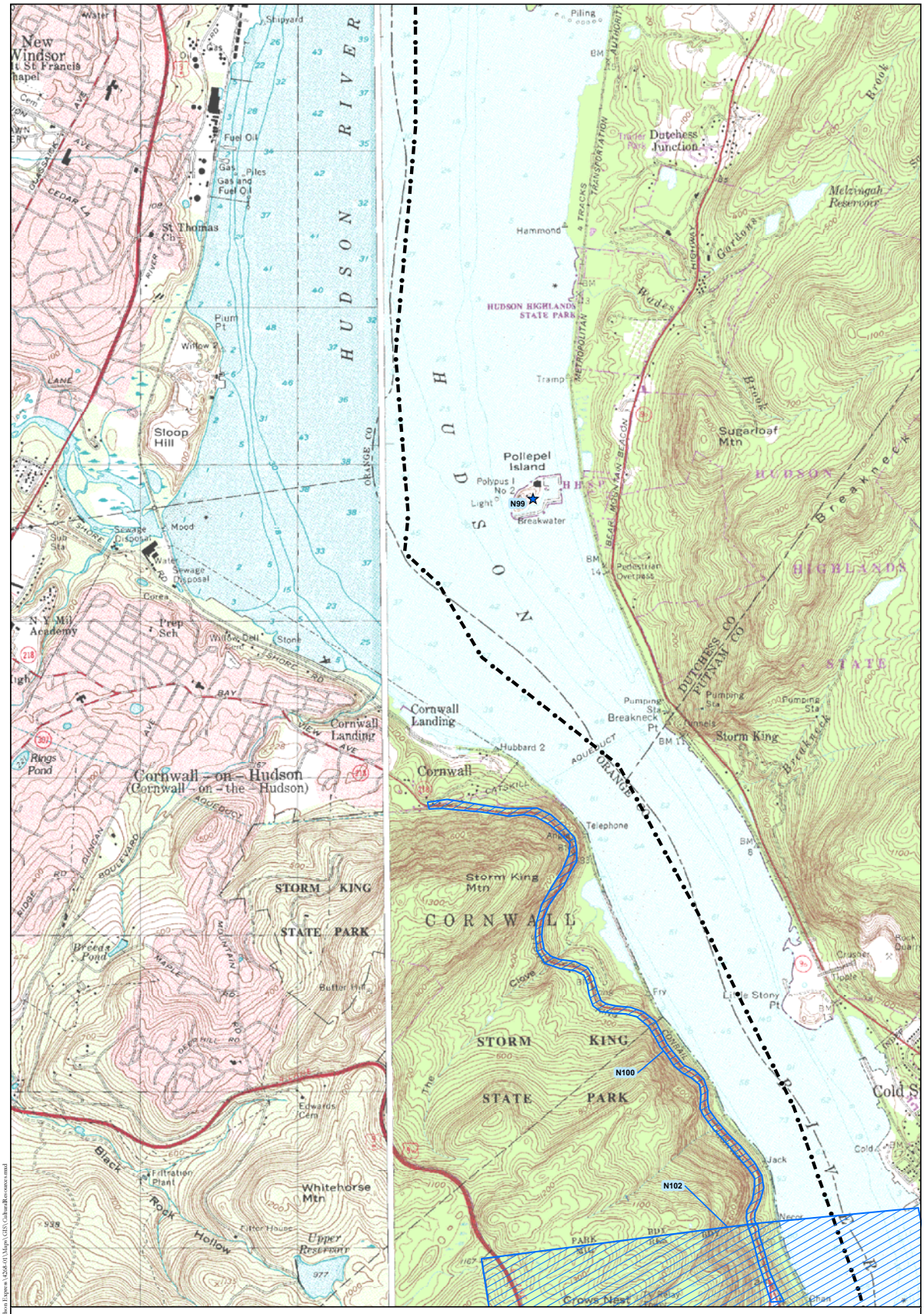
Note: Contour interval is 10 feet.

National Register Eligible and
National Register Listed Property Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 60 d

DS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268-01\Maps\GIS\CulturalResources.mxd



Legend

- National Register Eligible (NRE) Property
- N## NRE Property ID (See Appendix 4)
- National Register Listed (NRL) Property
- N## NRL Property ID (See Appendix 4)
- Proposed Alignment
- Overland Study Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

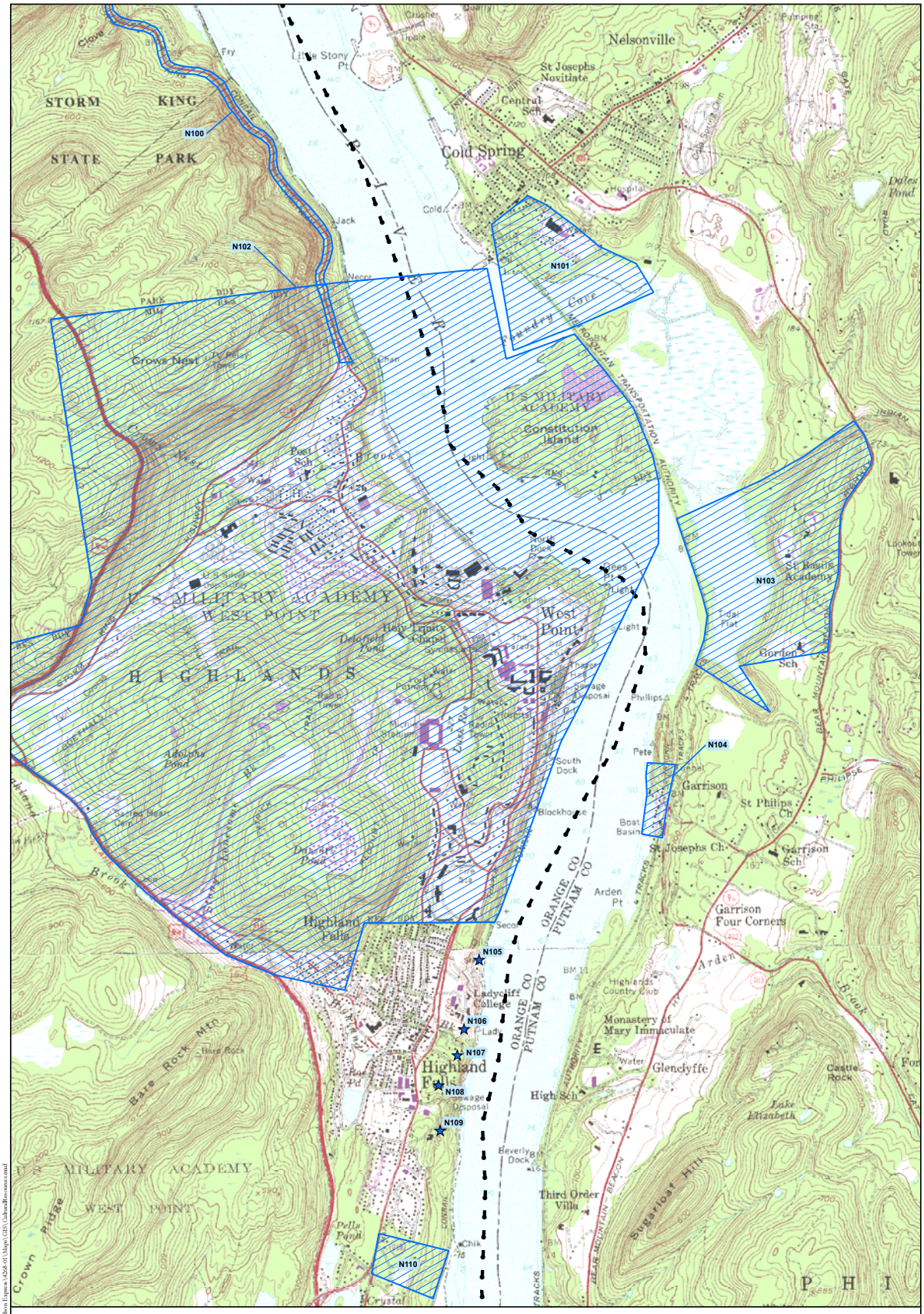
Note: Contour interval is 10 feet.

National Register Eligible and
National Register Listed Property Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 61 d

DS February 16, 2010 R:\Active Projects\4268 Orange-Hudson Express\4268-01\Maps\GIS\CulturalResources.mxd



Legend

- National Register Eligible (NRE) Property
- N## NRE Property ID (See Appendix 4)
- National Register Listed (NRL) Property
- N## NRL Property ID (See Appendix 4)
- Proposed Alignment
- Overland Study Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

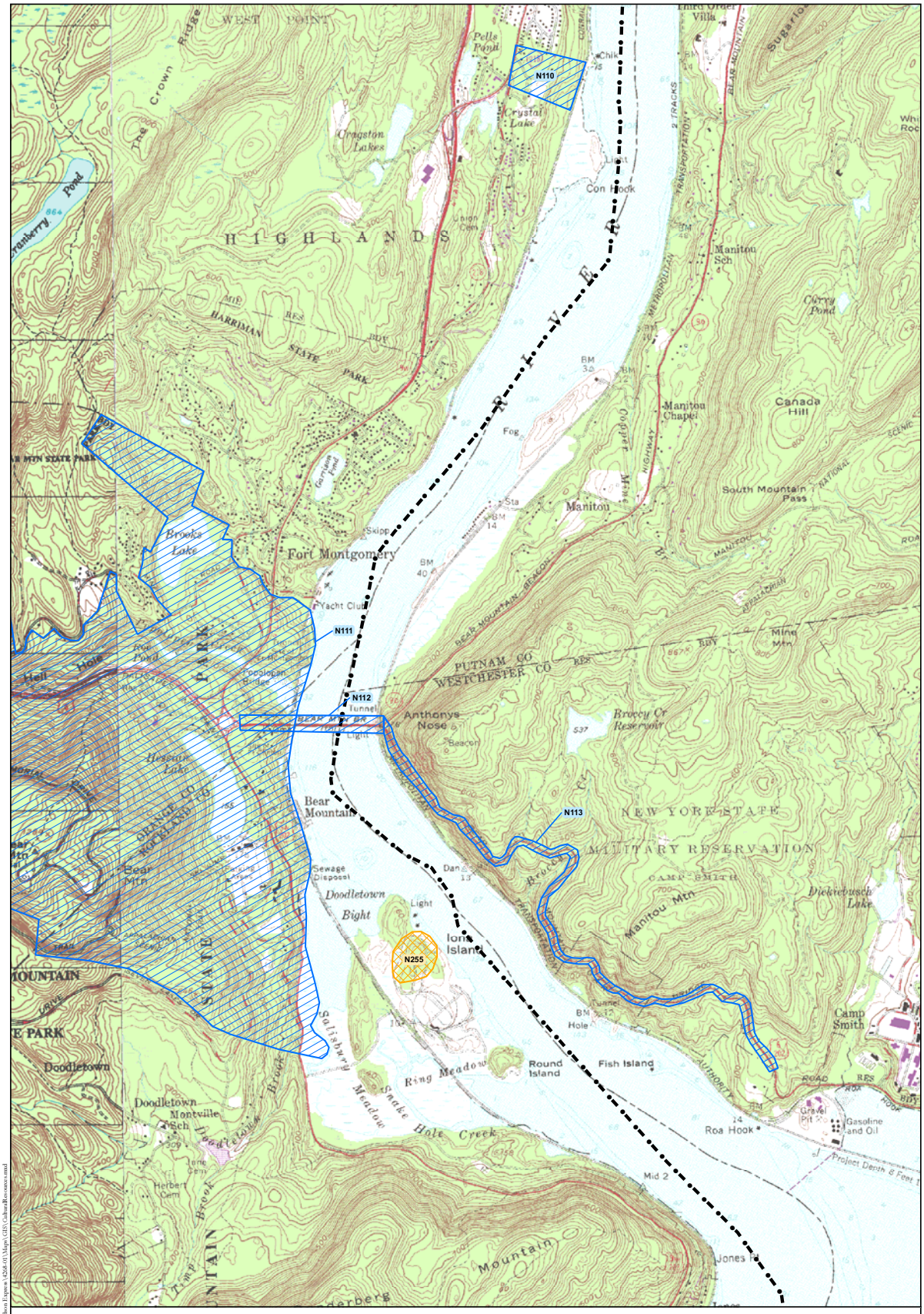
Note: Contour interval is 10 feet.

National Register Eligible and
National Register Listed Property Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 62 d

DS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268-01\Maps\GIS\CulturalResources.mxd



Legend

- National Register Eligible (NRE) Property
- NRE Property ID (See Appendix 4)
- National Register Listed (NRL) Property
- NRL Property ID (See Appendix 4)
- Proposed Alignment
- Overland Study Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

Note: Contour interval is 10 feet.

National Register Eligible and
National Register Listed Property Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 63 d

ES February 16, 2010 R:\Active Projects\4268 Orange-Hudson Express\4268-01\Maps\GIS\CulturalResources.mxd

Legend

- National Register Eligible (NRE) Property
- NRE Property ID (See Appendix 4)
- National Register Listed (NRL) Property
- NRL Property ID (See Appendix 4)
- Proposed Alignment
- Overland Study Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

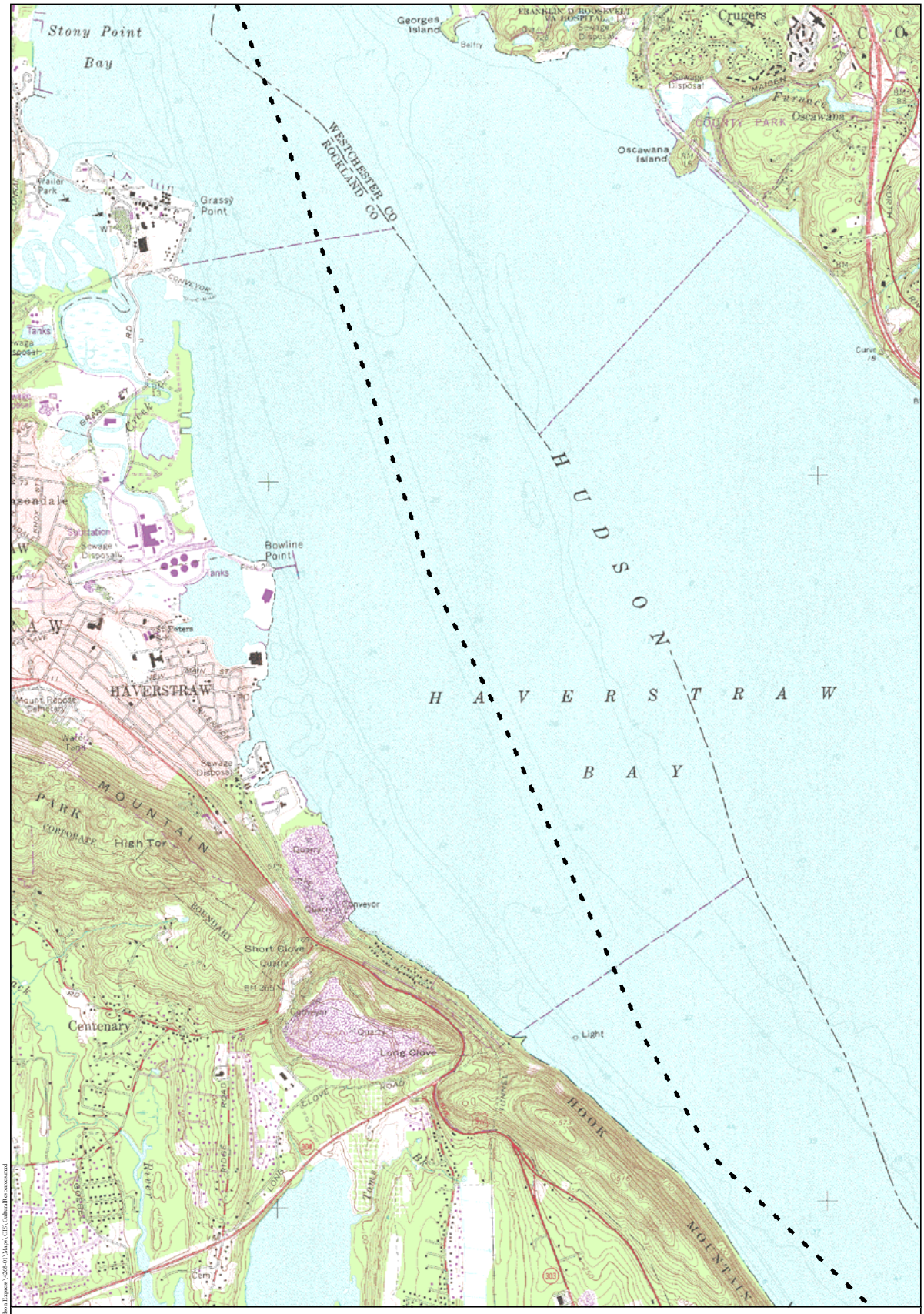
Note: Contour interval is 10 feet.

National Register Eligible and
National Register Listed Property Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 64 d

DS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268-01\Maps\GIS\CulturalResources.mxd



Legend

- National Register Eligible (NRE) Property
- N## NRE Property ID (See Appendix 4)
- National Register Listed (NRL) Property
- N## NRL Property ID (See Appendix 4)
- Proposed Alignment
- Overland Study Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

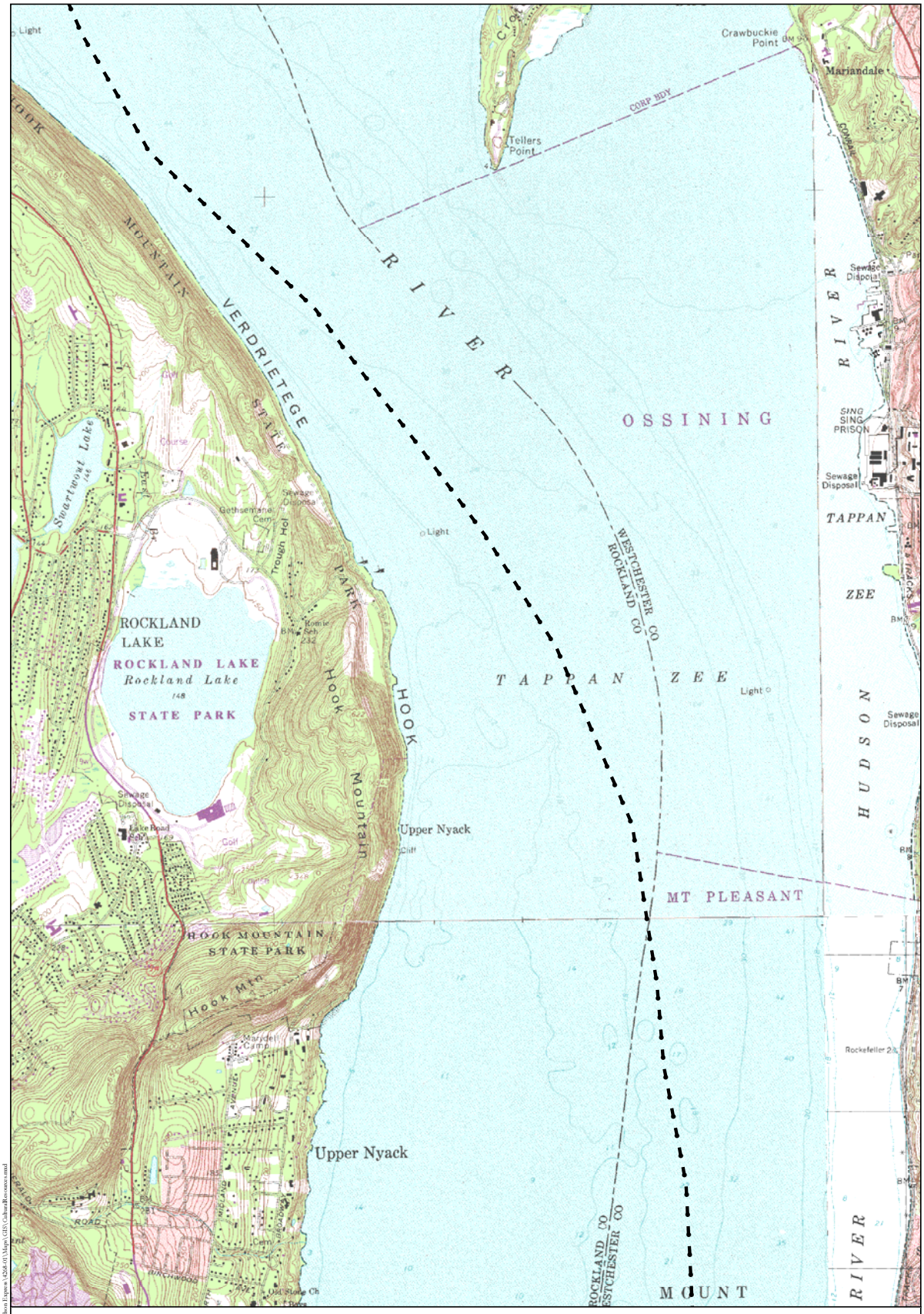
Note: Contour interval is 10 feet.

National Register Eligible and
National Register Listed Property Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 65 d

DS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268-01\Maps\GIS\CulturalResources.mxd



Legend

- National Register Eligible (NRE) Property
- NRE Property ID (See Appendix 4)
- National Register Listed (NRL) Property
- NRL Property ID (See Appendix 4)
- Proposed Alignment
- Overland Study Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

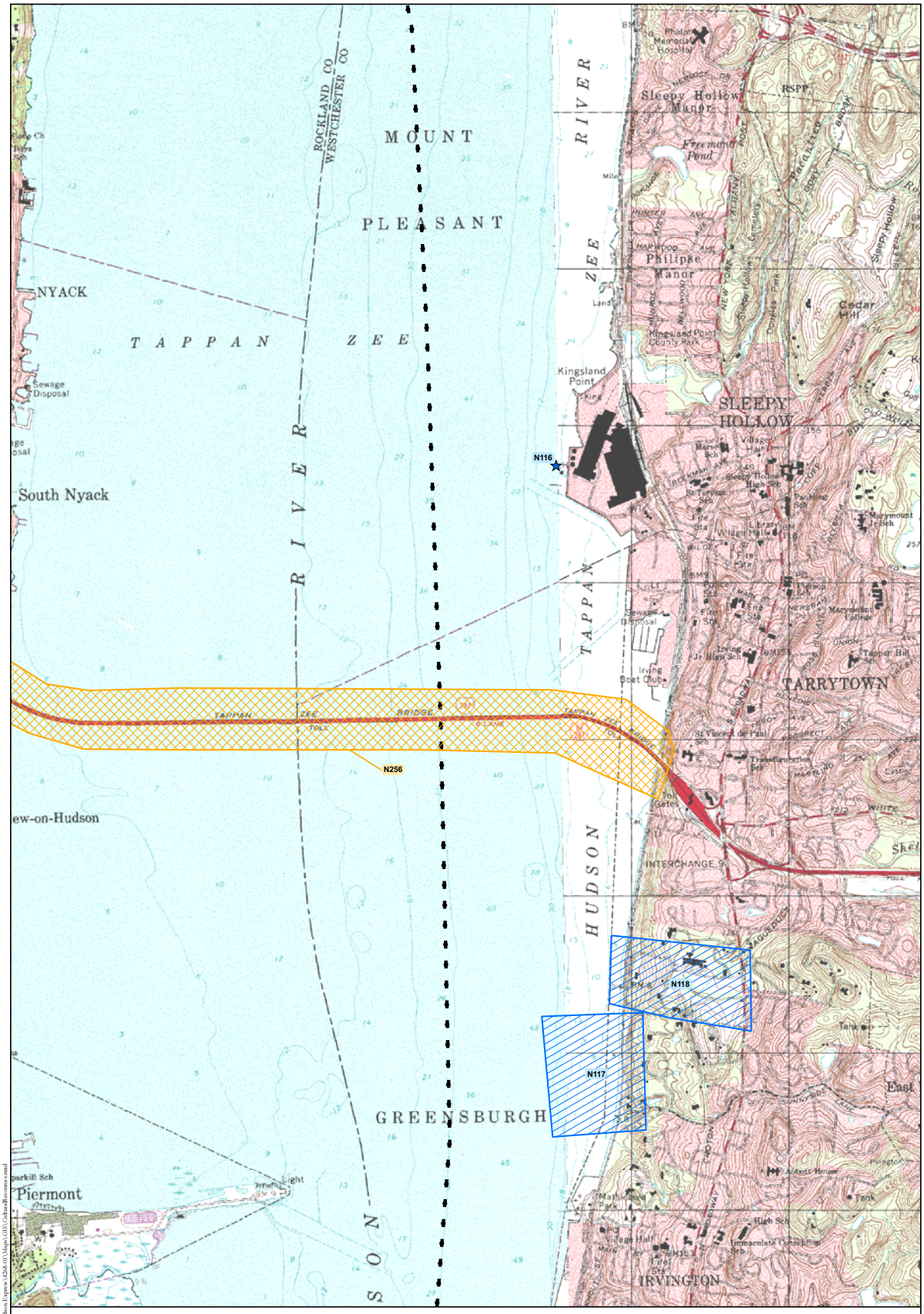
Note: Contour interval is 10 feet.

National Register Eligible and
National Register Listed Property Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 66 d

DS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268-01\Maps\GIS\CulturalResources.mxd



Legend

- National Register Eligible (NRE) Property
- N## NRE Property ID (See Appendix 4)
- National Register Listed (NRL) Property
- N## NRL Property ID (See Appendix 4)
- Proposed Alignment
- Overland Study Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

Note: Contour interval is 10 feet.

National Register Eligible and
National Register Listed Property Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 67 d

ES February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268-01\Maps\GIS\CulturalResources.mxd

Legend

- National Register Eligible (NRE) Property
- N## NRE Property ID (See Appendix 4)
- National Register Listed (NRL) Property
- N## NRL Property ID (See Appendix 4)
- Proposed Alignment
- Overland Study Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

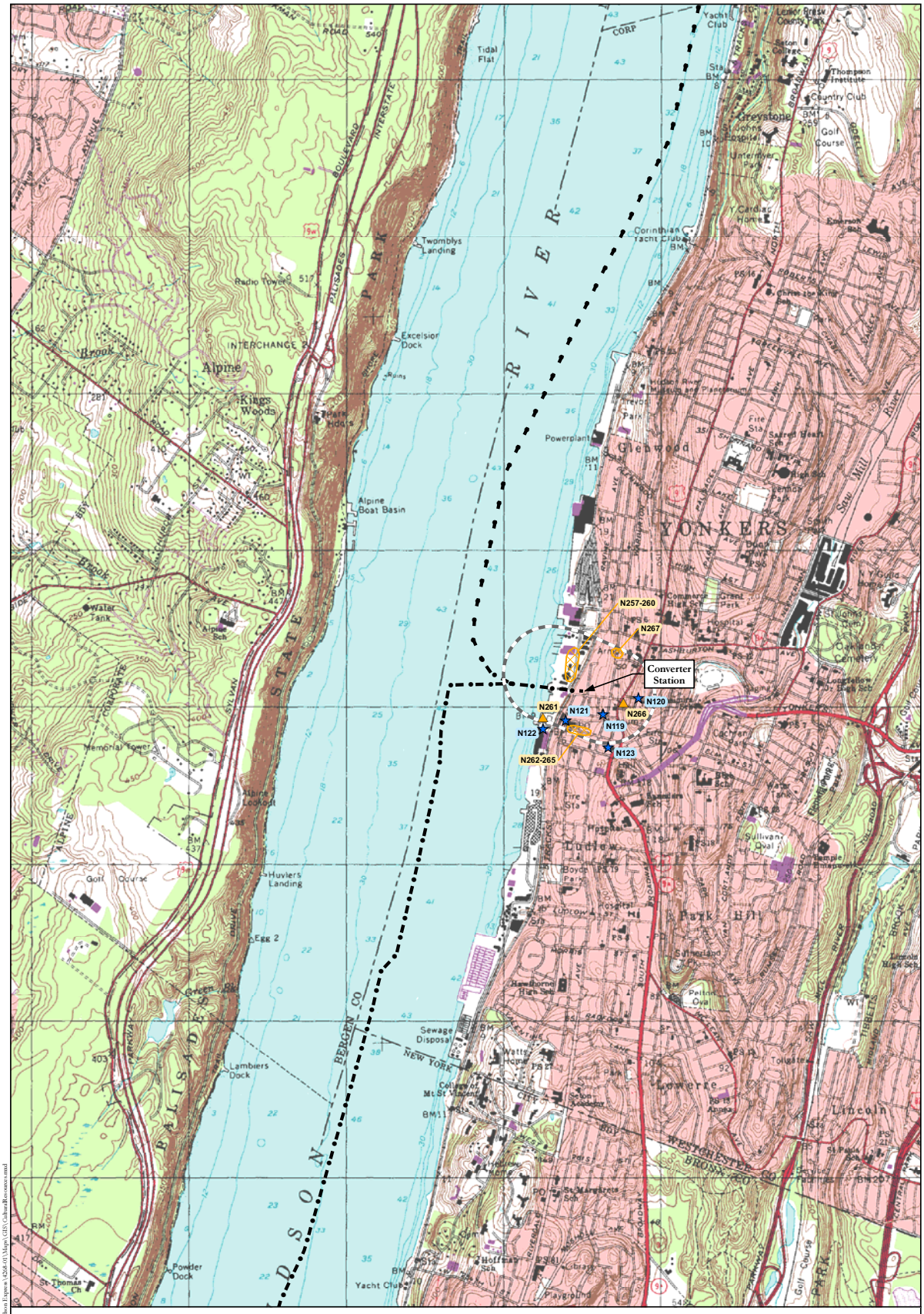
Note: Contour interval is 10 feet.

National Register Eligible and
National Register Listed Property Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 68 d

JS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268-01\Maps\GIS\CulturalResources.mxd



Legend

- National Register Eligible (NRE) Property
- N## NRE Property ID (See Appendix 4)
- National Register Listed (NRL) Property
- N## NRL Property ID (See Appendix 4)
- Proposed Alignment
- Overland Study Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

Note: Contour interval is 10 feet.

National Register Eligible and
National Register Listed Property Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 69 d

JS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268-01\Maps\GIS\CulturalResources.mxd

Legend

- National Register Eligible (NRE) Property
- NRE Property ID (See Appendix 4)
- National Register Listed (NRL) Property
- NRL Property ID (See Appendix 4)
- Proposed Alignment
- Overland Study Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

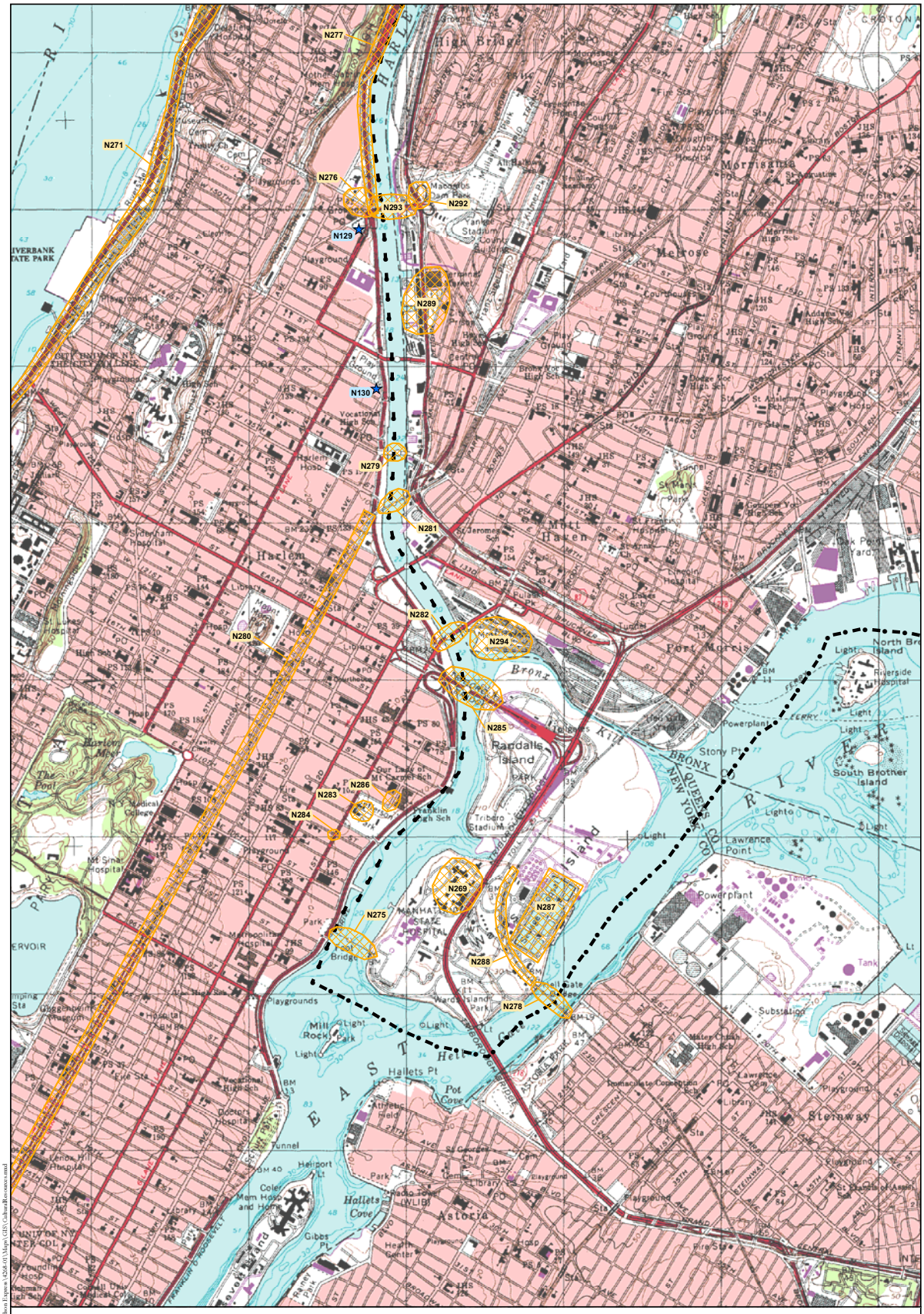
Note: Contour interval is 10 feet.

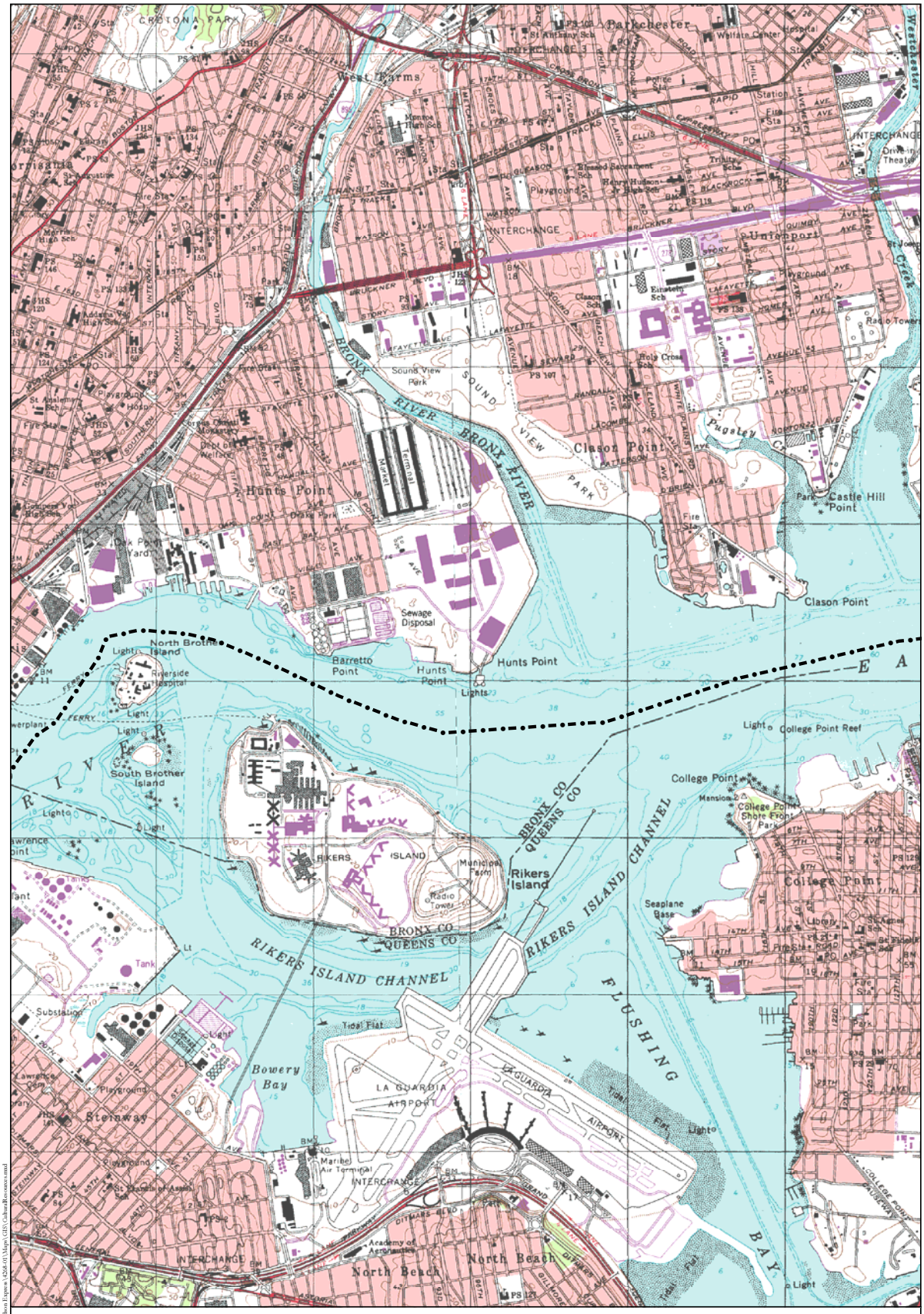
National Register Eligible and
National Register Listed Property Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 70 d

ES February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268-01\Maps\GIS\CulturalResources.mxd


N271
N276
N277
N293
N292
N129
N289
N130
N279
N281
N282
N280
N294
N285
N286
N283
N284
N269
N275
N287
N288
N278
High Bridge
Morrisania
Melrose
Mott Haven
Harlem
Port Morris
Randalls Island
Bronx Kill
Bronx
Stony Pt
Lawrence Point
Powerplant
Substation
Steinway
Astoria
Hallets Cove
Pot Cove
Hallets Pt
Mill Rock Park
Wards Island Park
Tribeco Stadium
Franklin High Sch
Mt Sinai Hospital
Metropolitan Hospital
Harlem Hosp
Lincoln Hospital
Fordham Hosp
Bronx Rose High Sch
Riverside Hospital
North Brother Island
South Brother Island
Harlem Meer
The Pool
Heliport
Tunnel
Footbridge
Playgrounds
Playground
Vocational High Sch
Doctors Hospital
Coler Mem Hosp and Home
Gibbs Pl
Astoria Heat Center
Farrell Park
Immaculate Conception Sch
Mater Christi High Sch
Lawrence Library
Tank
Fire Sta
Library
Cemetery
Athletic Field
Radio Tower (WLIB)
Hell Gate Bridge
Astoria Blvd
Grand Central Pkwy
Triborough Bridge
Franklin D Roosevelt Drive
Bronx Whitestone Bridge
Cross Bronx Expwy
Bruckner Blvd
Lincoln Tunnel
Queens Blvd
Northern Blvd
Jerome Ave
Broadway
Amsterdam Ave
Madison Ave
Lexington Ave
Park Ave
Fordham Rd
Tremont Ave
Kingsbridge Rd
Bedford Park Blvd
Grand Concourse
Ogden Ave
Morris Park Ave
Pelham Pkwy
Boston Rd
Tremont Ave
Webster Ave
Jerome Ave
Bronx River Pkwy
Cross Bronx Expwy
Henry Hudson Pkwy
Harlem River Drive
Riverside Drive
Broadway
Amsterdam Ave
Madison Ave
Lexington Ave
Park Ave
Fordham Rd
Tremont Ave
Kingsbridge Rd
Bedford Park Blvd
Grand Concourse
Ogden Ave
Morris Park Ave
Pelham Pkwy
Boston Rd
Tremont Ave
Webster Ave
Jerome Ave
Bronx River Pkwy
Cross Bronx Expwy
Henry Hudson Pkwy
Harlem River Drive
Riverside Drive
Legend
National Register Eligible (NRE) Property
NRE Property ID (See Appendix 4)
National Register Listed (NRL) Property
NRL Property ID (See Appendix 4)
Proposed Alignment
Overland Study Area
N
1,000 0 1,000 2,000
Feet
300 0 300 600
Meters
Note: Contour interval is 10 feet.
National Register Eligible and
National Register Listed Property Locations
(HAA, Inc. 2010)
HARTGEN
archeological associates inc
Map 71 d



Legend

- National Register Eligible (NRE) Property
- N## NRE Property ID (See Appendix 4)
- National Register Listed (NRL) Property
- N## NRL Property ID (See Appendix 4)
- Proposed Alignment
- Overland Study Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

Note: Contour interval is 10 feet.

National Register Eligible and
National Register Listed Property Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 72 d

DS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268-01\Maps\GIS\CulturalResources.mxd

Legend

- National Register Eligible (NRE) Property
- NRE Property ID (See Appendix 4)
- National Register Listed (NRL) Property
- NRL Property ID (See Appendix 4)
- Proposed Alignment
- Overland Study Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

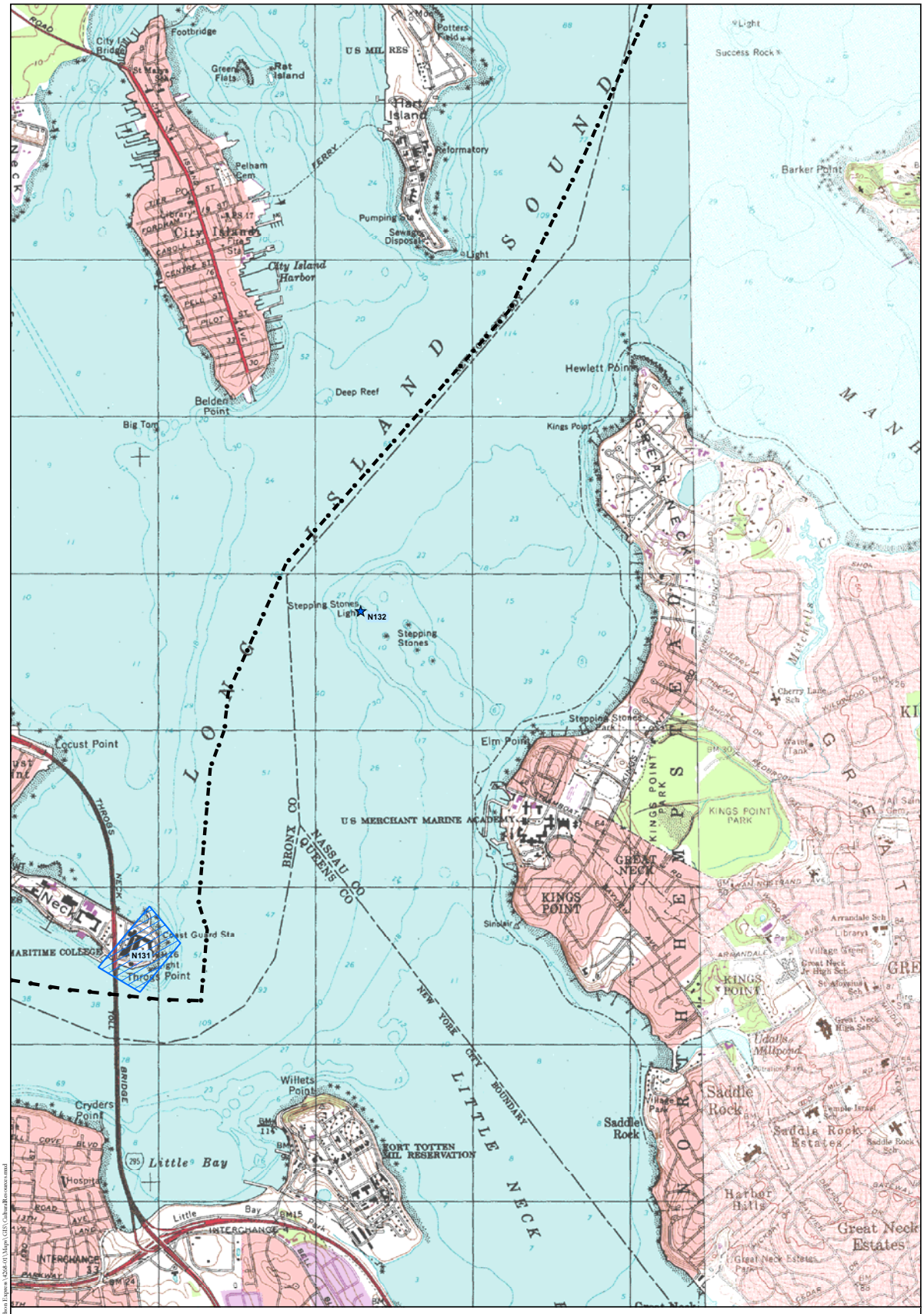
Note: Contour interval is 10 feet.

National Register Eligible and
National Register Listed Property Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 73 d

DS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268-01\Maps\GIS\CulturalResources.mxd



Legend

- National Register Eligible (NRE) Property
- N## NRE Property ID (See Appendix 4)
- National Register Listed (NRL) Property
- N## NRL Property ID (See Appendix 4)
- Proposed Alignment
- Overland Study Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

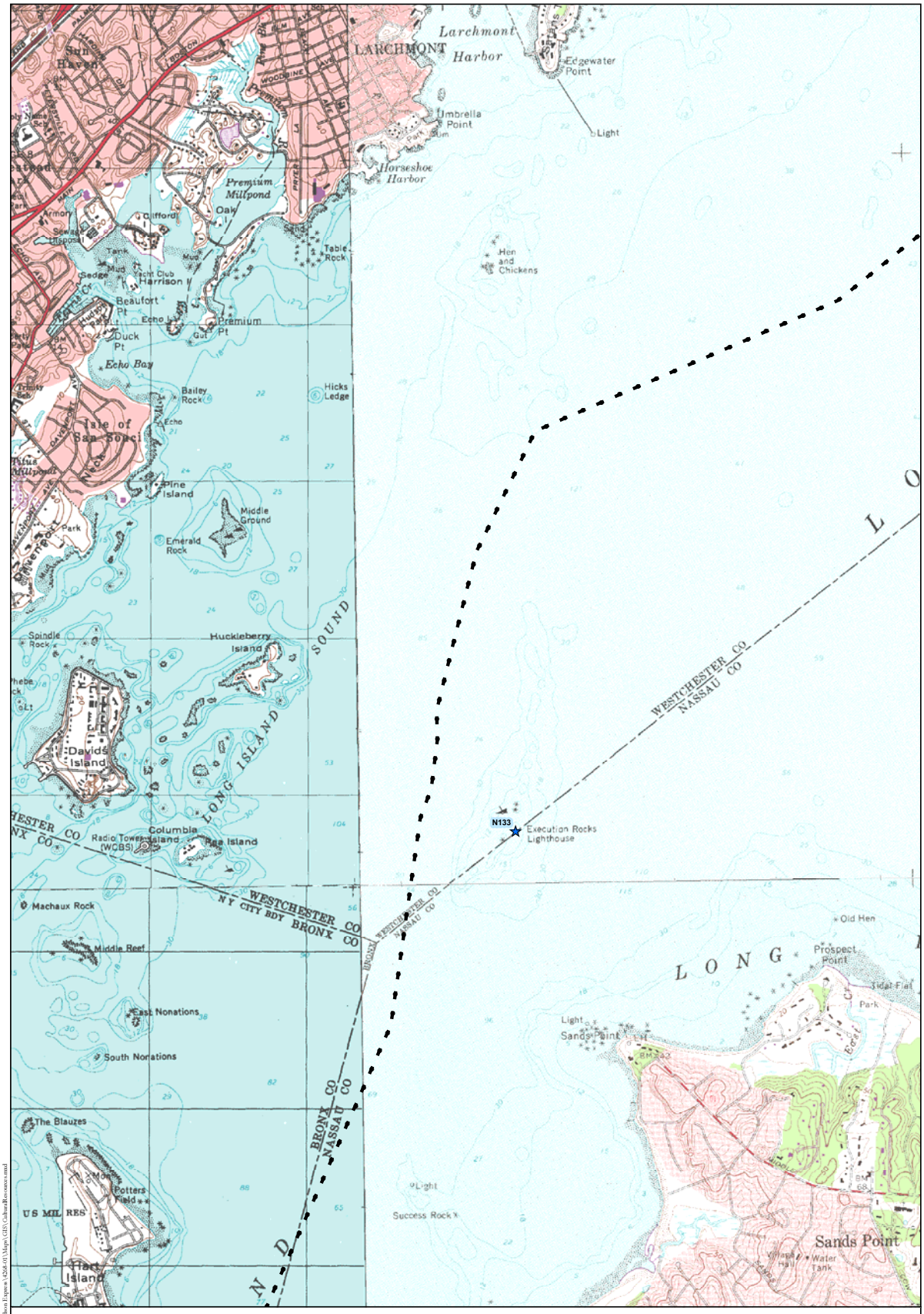
Note: Contour interval is 10 feet.

National Register Eligible and
National Register Listed Property Locations
(HAA, Inc. 2010)

HARTGEN
archeological associates inc

Map 74 d

ES February 16, 2010 R:\Active Projects\4268-Oswego-Hudson Express\4268-01\Maps\GIS\CulturalResources.mxd



Legend

- National Register Eligible (NRE) Property
- NRE Property ID (See Appendix 4)
- National Register Listed (NRL) Property
- NRL Property ID (See Appendix 4)
- Proposed Alignment
- Overland Study Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

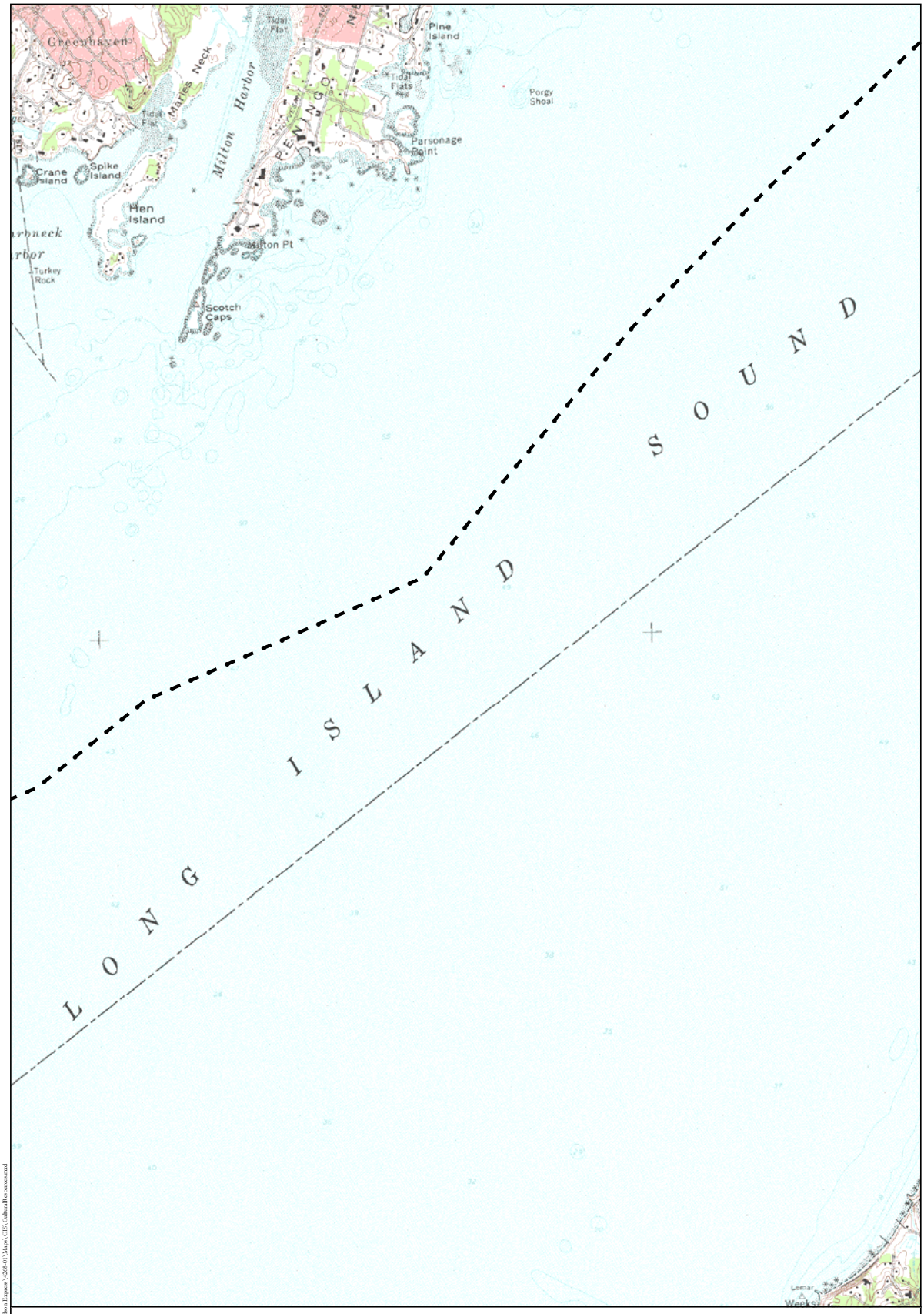
Note: Contour interval is 10 feet.

National Register Eligible and
National Register Listed Property Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 75 d

DS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268-01\Maps\GIS\CulturalResources.mxd



Legend

- National Register Eligible (NRE) Property
- N## NRE Property ID (See Appendix 4)
- National Register Listed (NRL) Property
- N## NRL Property ID (See Appendix 4)
- Proposed Alignment
- Overland Study Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

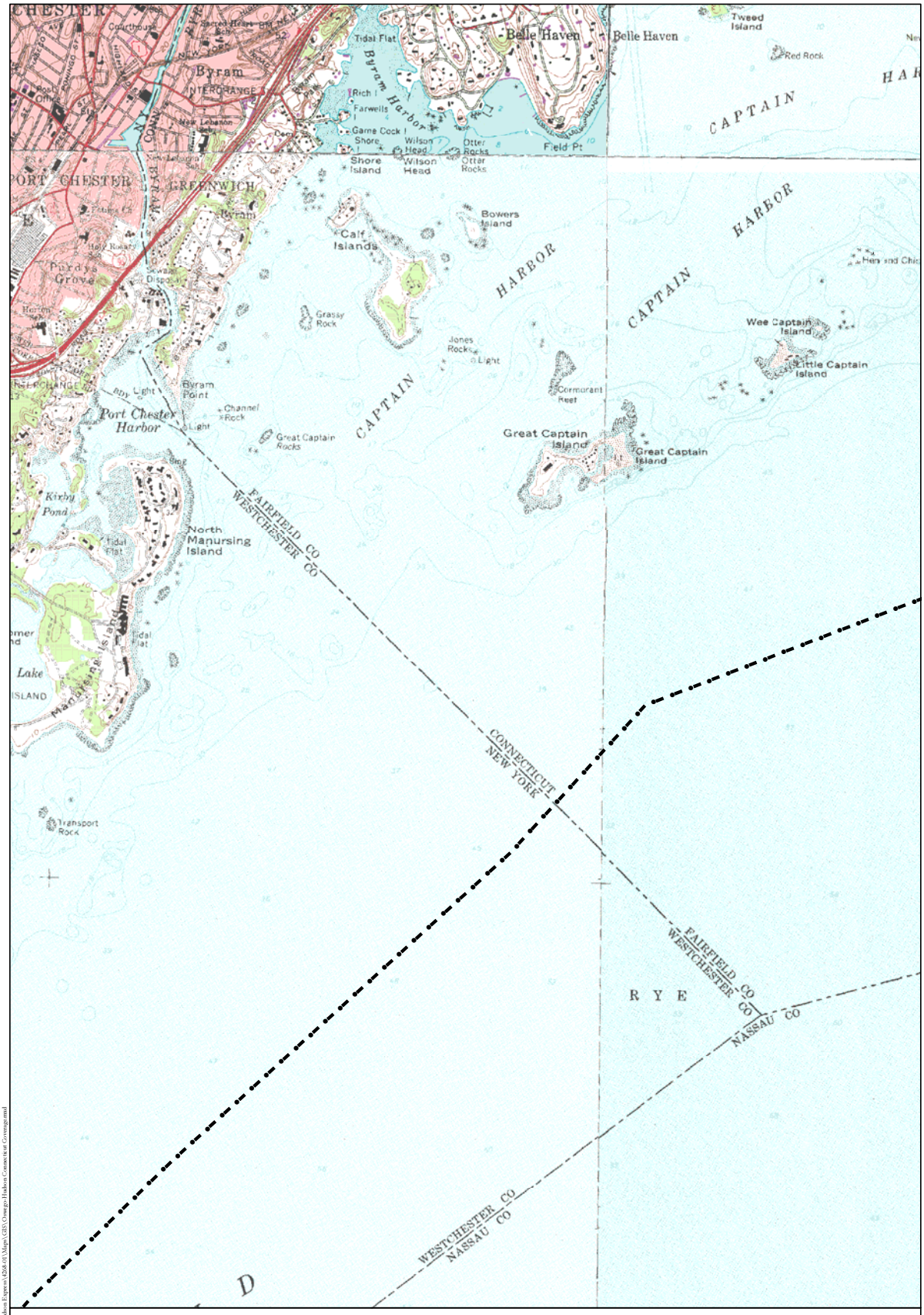
Note: Contour interval is 10 feet.

National Register Eligible and
National Register Listed Property Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 76 d

DS February 16, 2010 R:\Active Projects\4268 Omega-Hudson Express\4268-01\Maps\GIS\CulturalResources.mxd



Legend

- National Register Eligible (NRE) Property
- N## NRE Property ID (See Appendix 4)
- National Register Listed (NRL) Property
- N## NRL Property ID (See Appendix 4)
- Proposed Alignment
- Overland Study Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

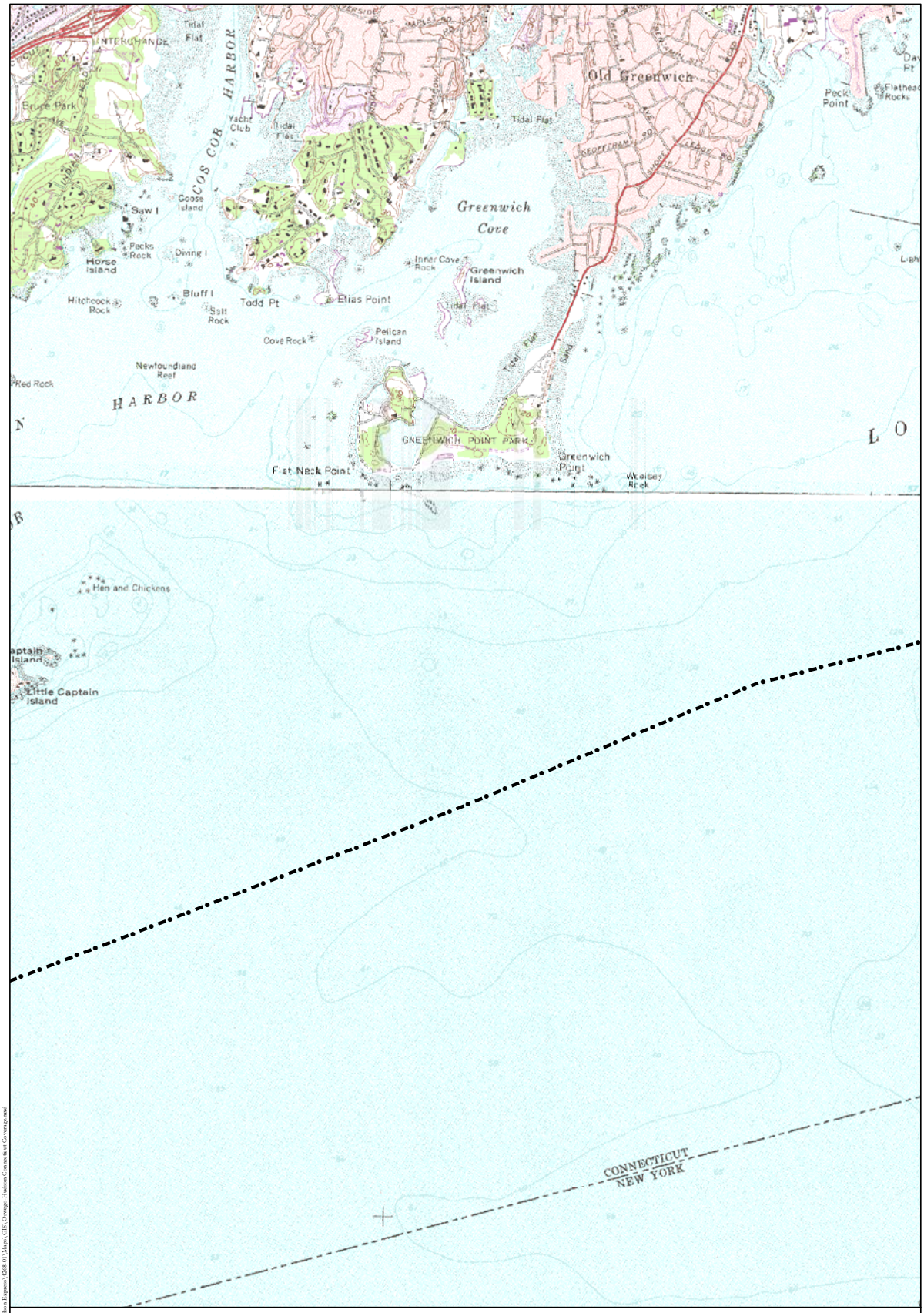
Note: Contour interval is 10 feet.

National Register Eligible and
National Register Listed Property Locations
(HAA, Inc. 2010)

HARTGEN archeological associates Inc

Map 77 d

ES February 24, 2010 R:\Active Projects\4268 Orange-Hudson Express\4268-01\Maps\GIS\Orange-Hudson Connecticut Coverage.mxd



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1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

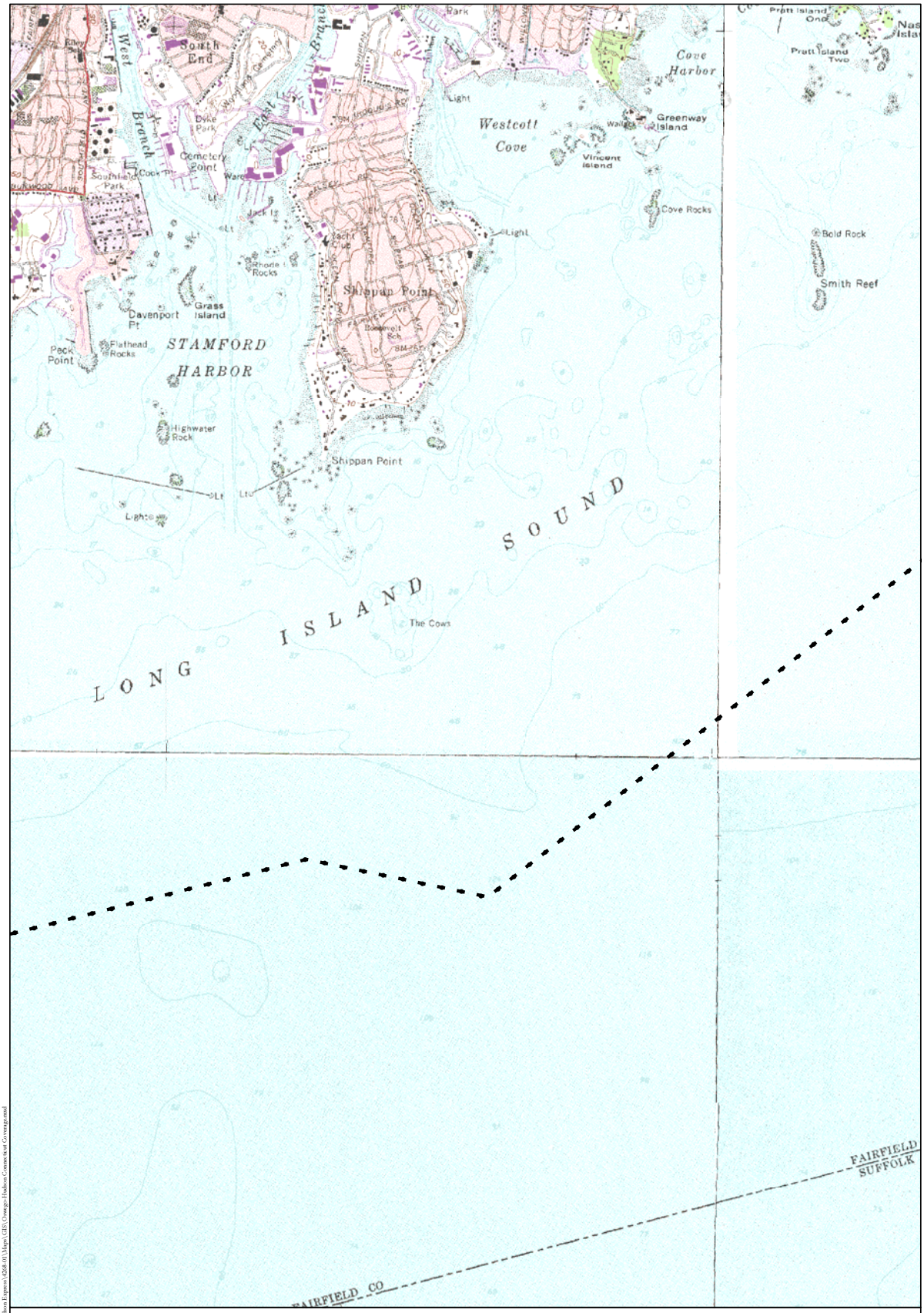
Note: Contour interval is 10 feet.

National Register Eligible and
National Register Listed Property Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 78 d

IS February 24, 2010 R:\Active Projects\4268 Orange-Hudson Express\4268-01\Maps\GIS\Orange-Hudson Connecticut Coverage.mxd



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- Proposed Alignment
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1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

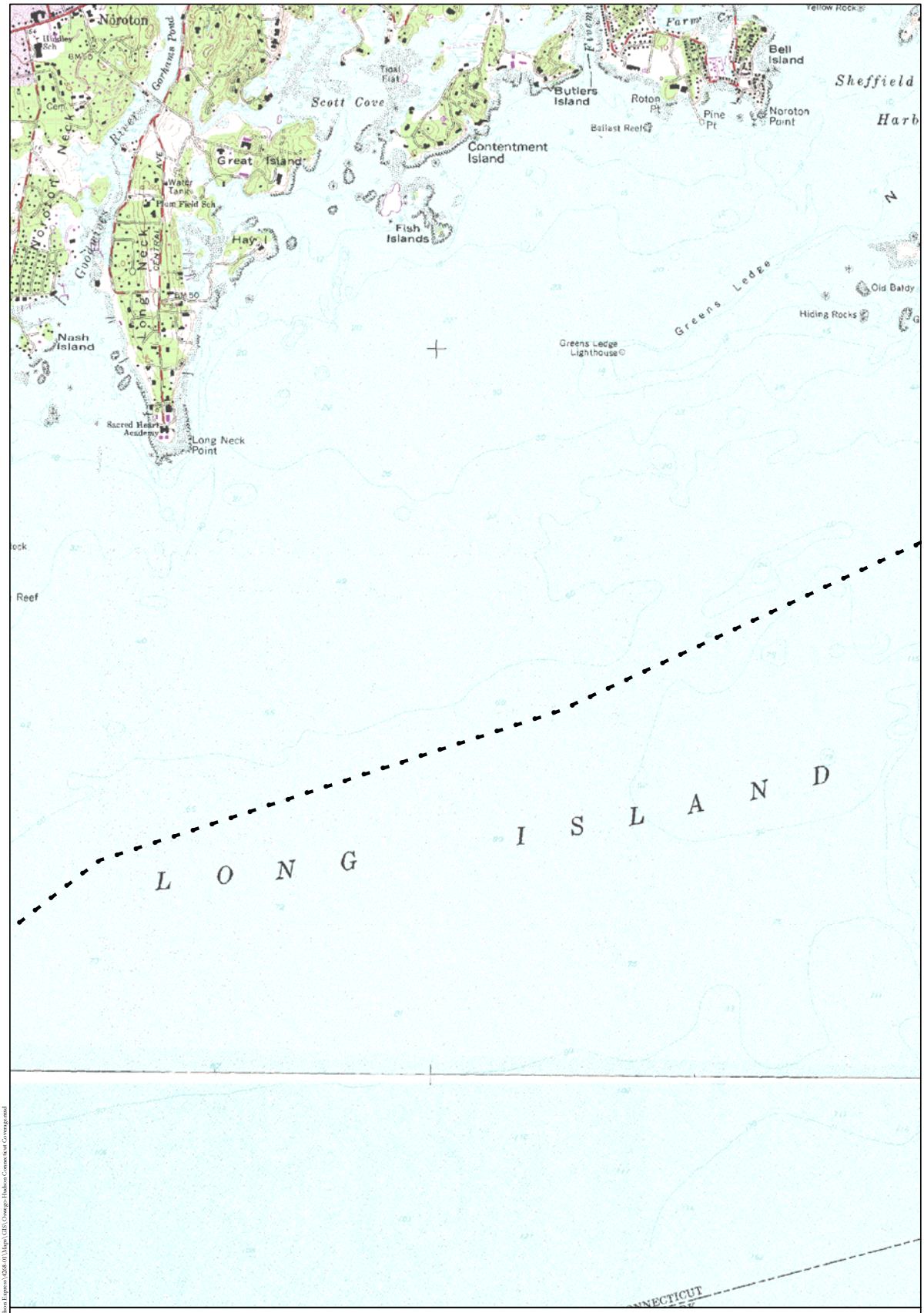
Note: Contour interval is 10 feet.

National Register Eligible and
National Register Listed Property Locations
(HAA, Inc. 2010)

HARTGEN archeological associates Inc

Map 79 d

IS February 24, 2010 R:\Active Projects\4268 Orange-Hudson Express\4268-01\Maps\GIS\Orange-Hudson Connecticut Coverage.mxd



Legend

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- National Register Listed (NRL) Property
- N## NRL Property ID (See Appendix 4)
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- Overland Study Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

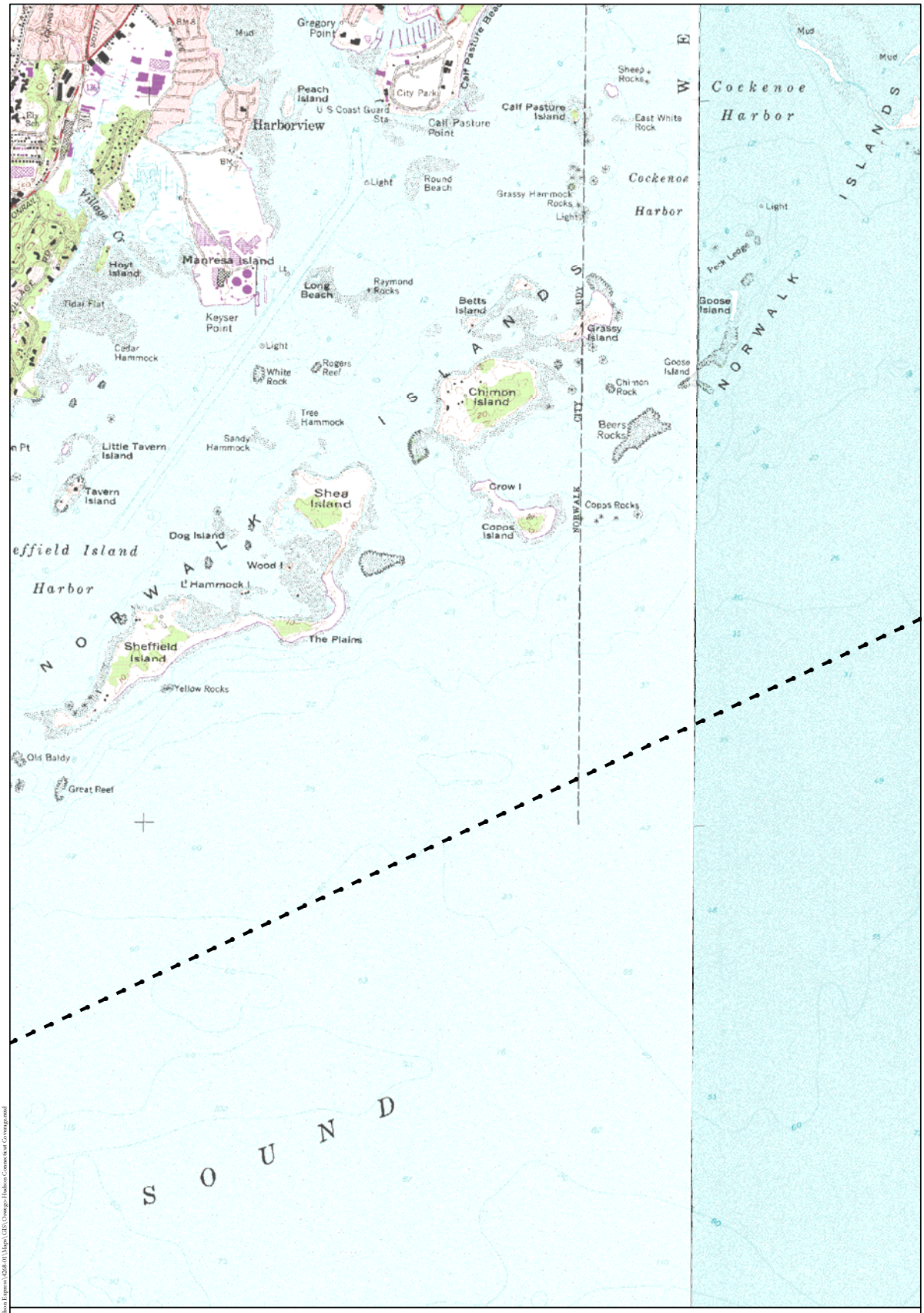
Note: Contour interval is 10 feet.

National Register Eligible and
National Register Listed Property Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 80 d

IS February 24, 2010 R:\Active Projects\4268 Orange-Hudson Express\4268-01\Maps\GIS\Orange-Hudson Connecticut Coverage.mxd



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- National Register Listed (NRL) Property
- N## NRL Property ID (See Appendix 4)
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- Overland Study Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

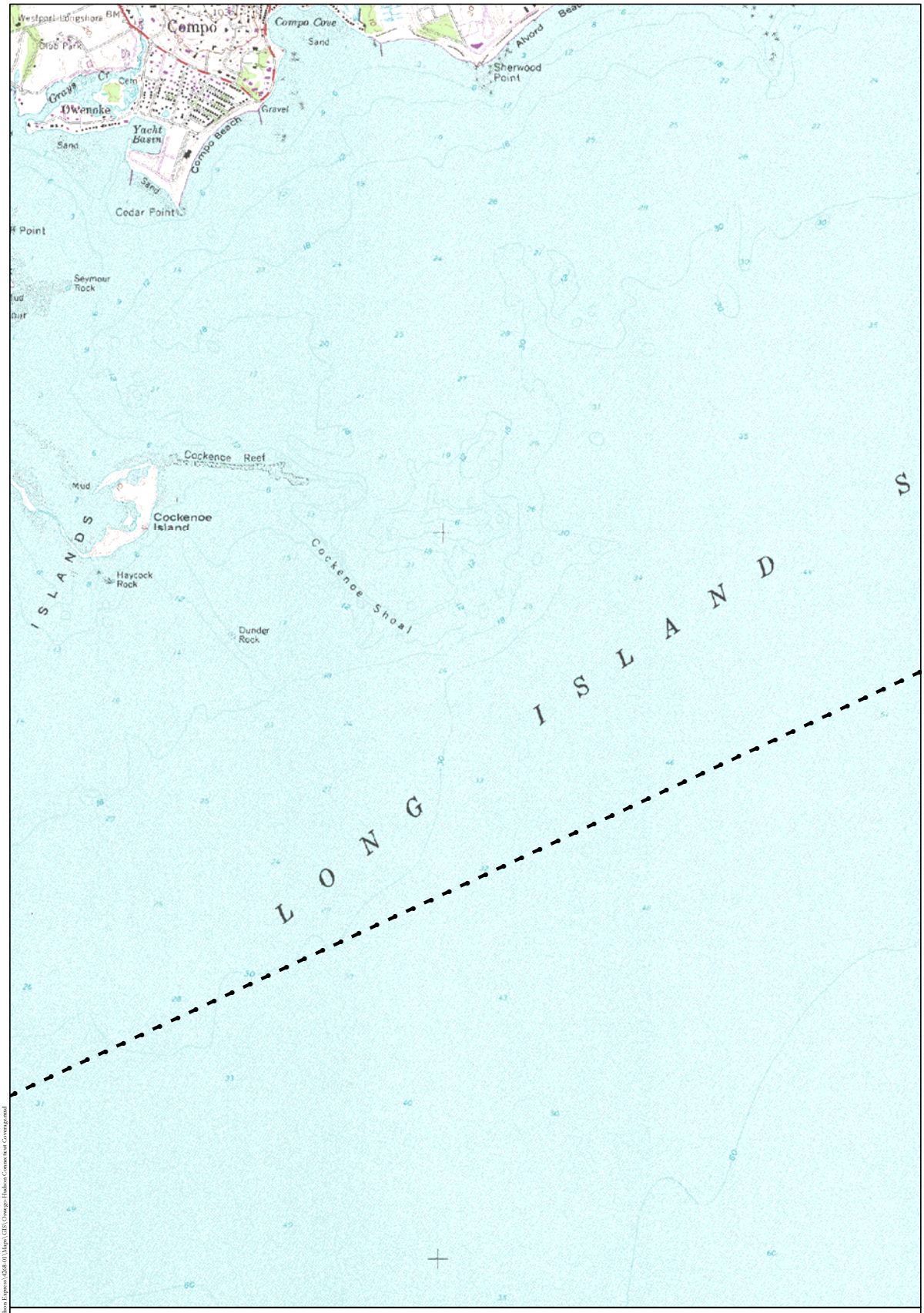
Note: Contour interval is 10 feet.

National Register Eligible and
National Register Listed Property Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 81 d

IS February 24, 2010 R:\Active Projects\4268 Orange-Hudson Express\4268-01\Maps\GIS\Orange-Hudson Connecticut Coverage.mxd



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- N## NRE Property ID (See Appendix 4)
- National Register Listed (NRL) Property
- N## NRL Property ID (See Appendix 4)
- Proposed Alignment
- Overland Study Area

N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

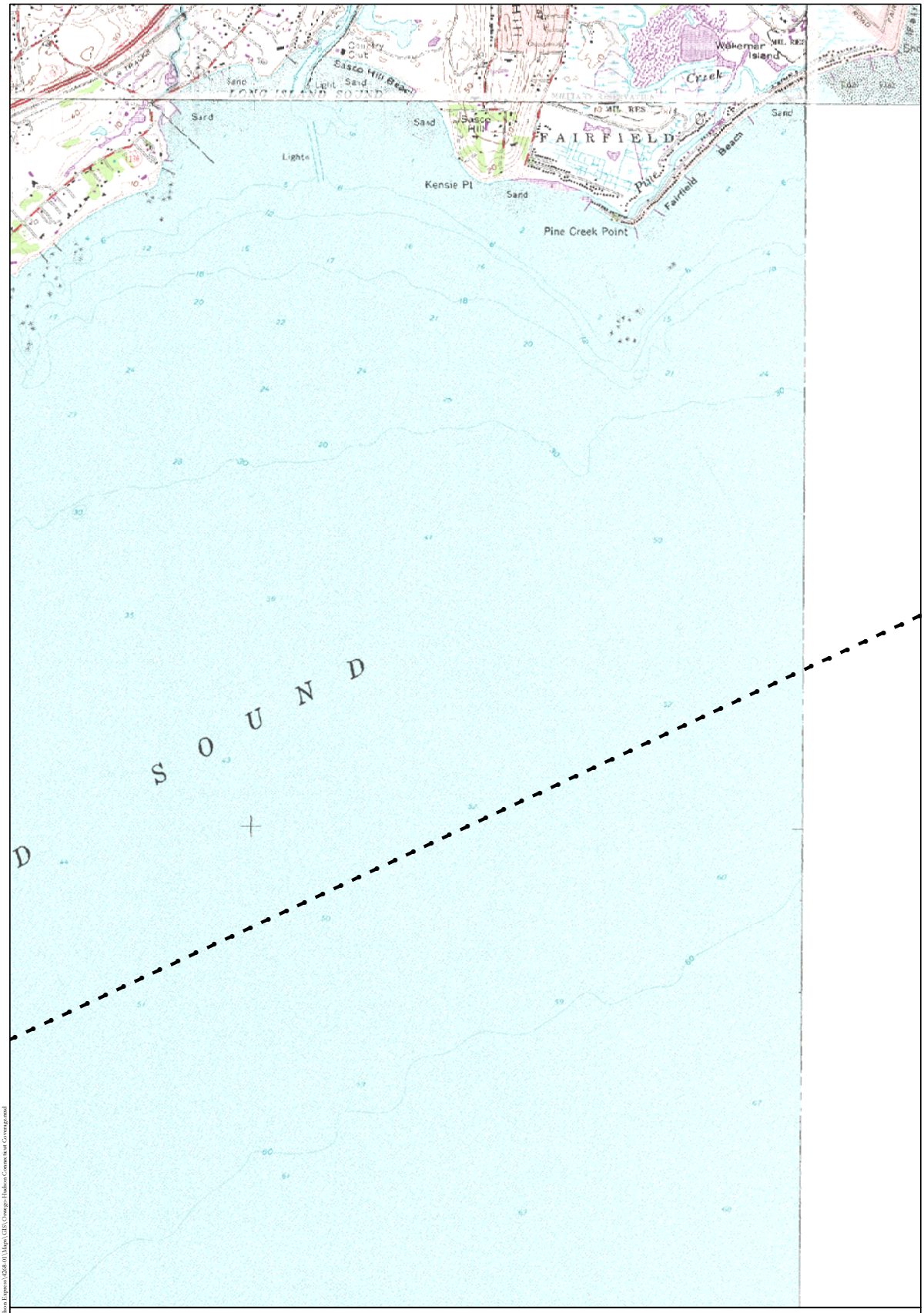
Note: Contour interval is 10 feet.

National Register Eligible and
National Register Listed Property Locations
(HAA, Inc. 2010)

HARTGEN archeological associates Inc

Map 82 d

ES February 24, 2010 R:\Active Projects\4268 Orange-Hudson Express\4268-01\Maps\GIS\Orange-Hudson Connecticut Coverage.mxd



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- National Register Listed (NRL) Property
- N## NRL Property ID (See Appendix 4)
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1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

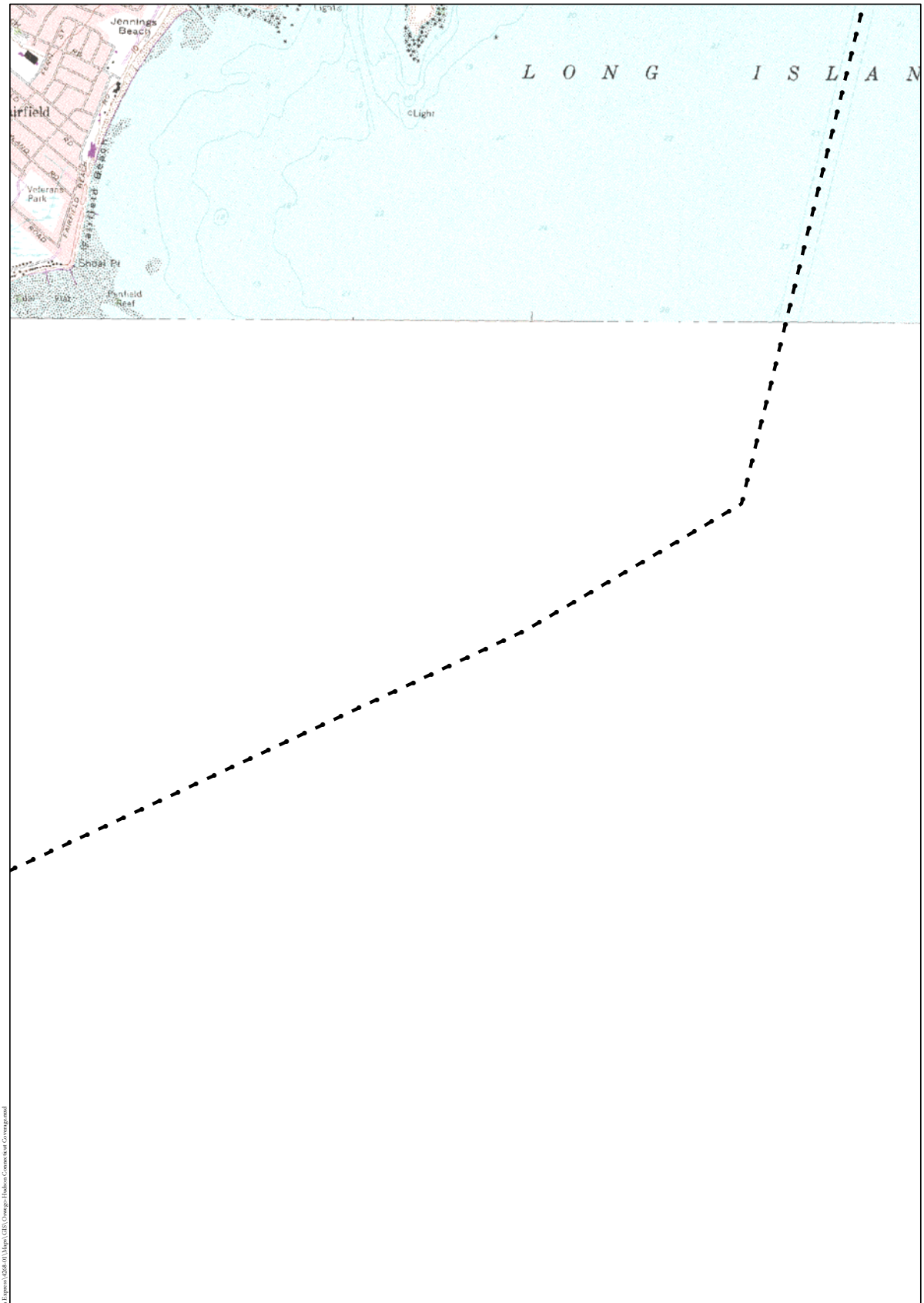
Note: Contour interval is 10 feet.

National Register Eligible and
National Register Listed Property Locations
(HAA, Inc. 2010)

HARTGEN archeological associates Inc

Map 83 d

ES February 24, 2010 R:\Active Projects\4268 Orange-Hudson Express\4268-01\Maps\GIS\Orange-Hudson Connecticut Coverage.mxd



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- National Register Listed (NRL) Property
- N## NRL Property ID (See Appendix 4)
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N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

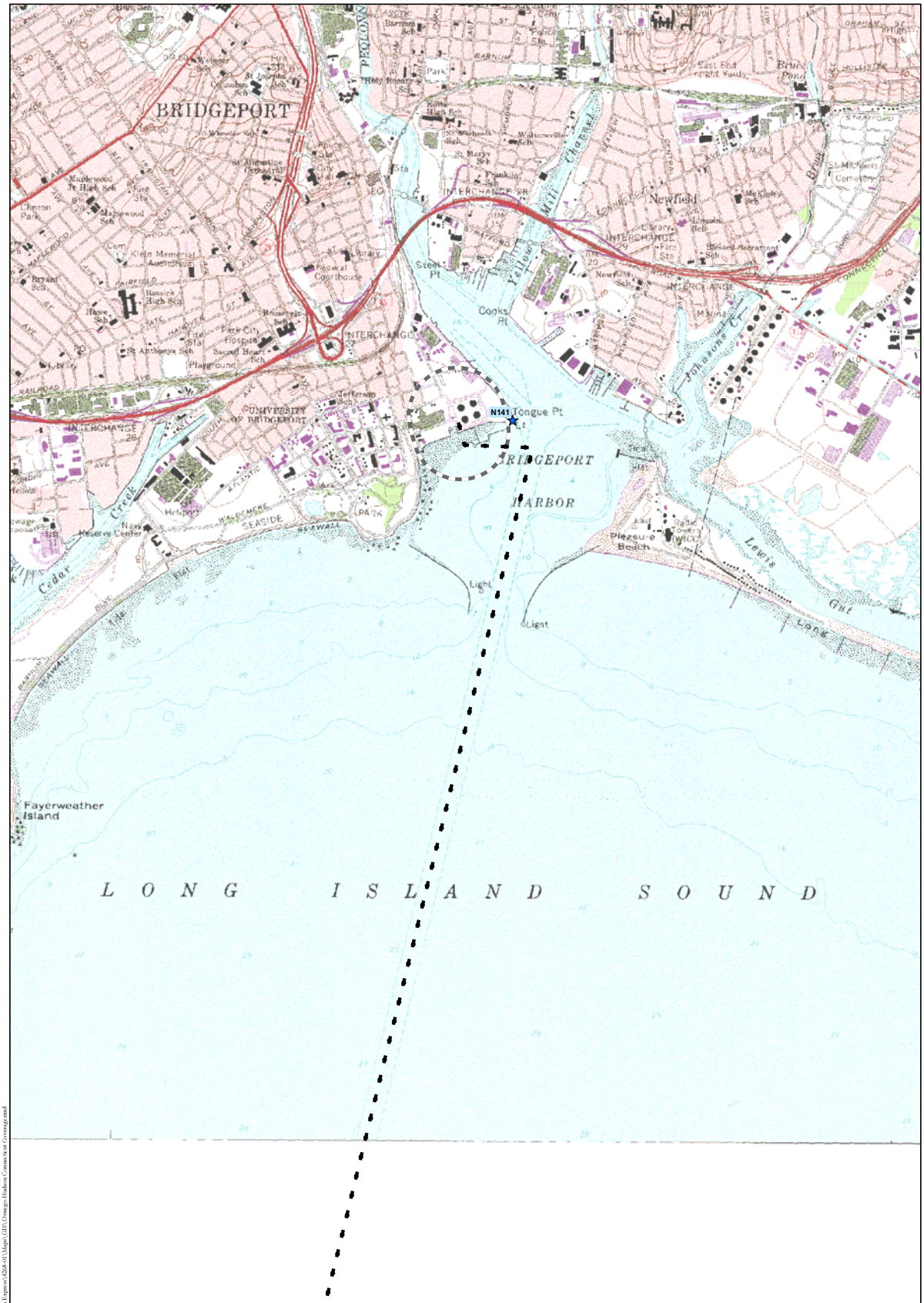
Note: Contour interval is 10 feet.

National Register Eligible and
National Register Listed Property Locations
(HAA, Inc. 2010)

HARTGEN archeological associates inc

Map 84 d

ES February 24, 2010 R:\Active Projects\4268 Orange-Hudson Express\4268-01\Maps\GIS\Orange-Hudson Connecticut Coverage.mxd



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- N## NRE Property ID (See Appendix 4)
- National Register Listed (NRL) Property
- N## NRL Property ID (See Appendix 4)
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N

1,000 0 1,000 2,000 Feet

300 0 300 600 Meters

Note: Contour interval is 10 feet.

National Register Eligible and
National Register Listed Property Locations
(HAA, Inc. 2010)

HARTGEN archeological associates Inc

Map 85 d

IS February 24, 2010 R:\Active Projects\4268 Orange-Hudson Express\4268-01\Maps\GIS\Orange-Hudson Connecticut Coverage.mxd

APPENDIX 1: Previously Reported Archeological Sites

TERRESTRIAL ARCHAEOLOGICAL SITES REPORTED IN THE PROJECT'S STUDY AREA

Map ID	County	Municipality	OPRHP Site No.	NYSM Site No.	Site Identifier	Site Type	Specific Date or Period	Description	National Register Status
1	Clinton	Champlain	01905.000003		Fort Montgomery	Historic	1884-1870	stone fortification; never garrisoned	listed
2	Clinton	Champlain	01905.000002		Stone bases of astronomical station	Historic	circa 1818	huge granite dressed blocks used as bases for an astronomical station	
3	Clinton	Rouses Point	01945.000015	11185	Rouses Point 7 Historic Archaeological Site	Historic	Pre-1856 to present	contains 19th and early 20th century front yard sheet midden deposits associated with a residence built prior to 1856	
4	Clinton	Plattsburgh	01912.000047		Gravelly Point Road Historic Site	Historic	Early to mid 20th century	no information	undetermined
5	Clinton	Plattsburgh	01912.000021	3084	CLTN-17	Precontact		camp	
6	Clinton	Plattsburgh	01912.000632		Historic Site 3	Historic	19th to late 20th century	artifact scatter in a plowzone associated with the remains of a residential site	undetermined
7	Clinton	Plattsburgh	01912.000633		Historic Site 4	Historic	Early 19th to late 20th century	domestic and building material artifact scatter associated with a residential site	not eligible
8	Clinton	Plattsburgh	01912.000027		M. Woolsey House	No information		no information	
9	Clinton	Plattsburgh	01912.000028		Fort Izard	No information		no information	
10	Clinton	Peru	01911.000012	3097	CLTN-30	Precontact		camp	
11	Essex	Chesterfield	03101.000081		Schuyler Island Mounds	Precontact		four burial mounds	
12	Essex	Willsboro	03117.000107		Noble Tract Site	Precontact	Early Woodland	flakes, biface, and projectile point composed of Onondaga chert, thermally altered rock	
13	Essex	Willsboro	03117.000032	3295	No information	Precontact		traces of occupation	
14	Essex	Willsboro	03117.000026		Colonial Willsboro Sites	Historic	circa 1765-1780	documented colonial settlement consisting of three to five domestic sites	
15	Essex	Essex	03104.000021		Winslow's Shipyard	Historic	Pre-1860	surface traces of shipyard	listed
16	Essex	Essex	03104.000018		Elizabeth Point (Ross Potasharies and Distilleries)	Historic	circa 1790	documented site of a distillery and potash works	listed
17	Essex	Essex	03104.000324		Greystone Cottage	Historic	19th and 20th century	standing structure and deposits associated with cottage	
18	Essex	Essex	03104.000323		Wright's Inn	Historic	19th and 20th century	standing structure and deposits associated with inn	
19	Essex	Essex	03104.000343		Historic Site G	Historic	Early 19th century	domestic and building material artifact scatter	not eligible
20	Essex	Essex	03104.000019		Eggleston Shipyard	Historic	circa 1790	standing ruins associated with the largest shipyard on Lake Champlain	listed
21	Essex	Essex	03104.000020		Lime Kiln Wharf	Historic	pre-1900	documented site of a lime kiln wharf	listed
22	Essex	Essex	03104.000342		Historic Site B	Historic	Early 19th century	domestic and building material artifact scatter	undetermined
23	Essex	Essex	03104.000322		Essex Harbor Underwater	Historic	Late 18th and 19th century	underwater remains of a shipyard and other maritime artifacts associated with the Revolutionary War and the War of 1812	
24	Essex	Essex	03104.000178		Split Rock Graphite Mine	Historic	circa 1900-1902	documented site of graphite mine	
25	Essex	Westport	03116.000012		Split Rock Iron Mine	Historic	1868-1882	documented site of 19th century iron mine	
26	Essex	Westport	03116.000008		Sisco Furnace	Historic	1848-1873	documented site of 19th century furnace	
27	Essex	Westport	03147.000004		Westport Furnace	Historic	1869-1873	document site of 19th century furnace built as part of an iron mine; razed in 1887	
28	Essex	Westport	03116.000168		Frisbie Farm Historic Site	Historic	1830-circa 1850s	domestic and building material artifact deposit	undetermined
29	Essex	Westport	03116.000163		Stone Historic Limestone Quarry Site	Historic		surface traces of limestone quarry	not eligible
30	Clinton	Champlain		3069	ACP CLTN-2	Precontact		village	
31	Clinton	Champlain		9090	ACP CLTN-No #	Precontact		trail	
32	Clinton	Champlain		3073	ACP CLTN-6A	Precontact		village	
33	Clinton	Champlain		8208	ACP CLTN-6B	Precontact		village	

TERRESTRIAL ARCHAEOLOGICAL SITES REPORTED IN THE PROJECT'S STUDY AREA

Map ID	County	Municipality	OPRHP Site No.	NYSM Site No.	Site Identifier	Site Type	Specific Date or Period	Description	National Register Status
34	Clinton	Champlain		3075	ACP CLTN-8	Precontact		village	
35	Clinton	Chazy		3070	ACP CLTN-3	Precontact		village	
36	Clinton	Champlain		9088	ACP CLTN-No#	Precontact		village	
37	Clinton	Beekmantown		7251	ACP CLTN-No #	Precontact		trail	
38	Clinton	Beekmantown		7854	ACP CLTN-11B	Precontact		village	
39	Clinton	Beekmantown		7855	ACP CLTN-No #	Precontact		camp	
40	Clinton	Beekmantown		3079	ACP CLTN-12	Precontact		village	
41	Clinton	Beekmantown		7175	ACP CLTN-No #	Precontact		trail	
42	Clinton	Plattsburgh		3082	ACP CLTN-15A, 15B, 15C	Precontact		camps	
43	Clinton	Beekmantown		7174	ACP CLTN-No #	Precontact		village	
44	Clinton	Plattsburgh		3084	ACP CLTN-17	Precontact		four village or camp sites	
45	Clinton	Beekmantown		7173	ACP CLTN-No #	Precontact		camp	
46	Clinton	Plattsburgh		3102	ACP CLTN-No #	Precontact		camp	
47	Clinton	Peru		3097	ACP CLTN-30	Precontact		camp	
48	Essex	Chesterfield		6077	Schuyler Island	Precontact		burial mounds	
49	Essex	Westport	03116.000173		Champlain II Steamboat Wreck Historic Site	Historic	19th century	site of 1875 steamboat wreck	listed
50	Essex	Moriah	03109.000008		Craig Harbor Iron Mine			Site form missing - no information	
51	Essex	Port Henry	03146.000006		Port Henry Furnaces 2 and 3	Historic	Mid to late 19th century	Documented location of blast two blast furnaces; the first of which was in use between 1840 and 1892, the second between 1860 and 1892.	
52	Essex	Port Henry	03146.000008		Port Henry Furnace 1	Historic	Early to mid 19th century	Documented location of a furnace in operation from before 1832 to 1865.	
53	Essex	Port Henry	03146.000009		Cedar Point Furnace	Historic	Late 19th to mid 20th century	Documented location of a furnace in operation from 1872 to 1938; dismantled in 1940.	
54	Essex	Crown Point	03102.000162		Prehistoric Material and Colonial/Revolution Trench Feature	Historic	18th century	4 ft wide trench with carefully placed stone at the bottom, musket balls, cannon balls, flat glass fragments, and wine bottle fragments	
55	Essex	Crown Point	03102.000166		British Fort at Crown Point	Historic	1759-1783	construction and occupational artifacts associated with the British occupation of the fort between 1759 and 1783	
56	Essex	Crown Point		2753	Fort St. Frederick Ruins	Historic		site of French fort	
57	Essex	Crown Point		2754	Fort Crown Point Ruins	Historic		site of British fort	
58	Essex	Crown Point		9266	No information	Precontact	Early Archaic through Late Woodland	collection of several projectile points and stems	
59	Essex	Crown Point	03102.000172		Flat Site	Historic	Mid 18th through early 19th century	18th century skirmish line feature	eligible
60	Essex	Crown Point	03102.000016		Crown Point	Historic	18th century	the site of 3 or more British blockhouses and the remains of a British hut camp	NHL
61	Essex	Crown Point		5500	No information	Historic	circa 1740	approximate location of French smugglers road and camps	
62	Essex	Crown Point	03102.000051		Davis TDA 2-1 H	No information		no information	
63	Essex	Crown Point	03102.000143	1341	Davis TDA 3-1	Precontact		camp site	
64	Essex	Crown Point		1340	Davis Quarry	Precontact		quarry	
65	Essex	Crown Point	03102.000144	1342	Putts Point Site	Precontact	Woodland	projectile points and pottery uncovered	
66	Essex	Crown Point	03102.000145	1339	TDA 1-1	Precontact		no information	
67	Essex	Crown Point	03102.000150		Crown Point Furnace (2)	Historic	Late 19th century	documented location of a furnace constructed by the New Crown Point Iron Company in 1873	

TERRESTRIAL ARCHAEOLOGICAL SITES REPORTED IN THE PROJECT'S STUDY AREA

Map ID	County	Municipality	OPRHP Site No.	NYSM Site No.	Site Identifier	Site Type	Specific Date or Period	Description	National Register Status
68	Essex	Ticonderoga		7327	ACP ESEX No #	Precontact		traces of occupation identified by Parker	
69	Essex	Ticonderoga	03115.000174		Ticonderoga Boat Launch Relocation Site	Historic		ceramics, glass, shell, bone, brick	
70	Essex	Ticonderoga	03115.000173		Ticonderoga Boat Launch Site	Precontact and Historic	Mid to Late Archaic, Late Woodland, Hopewellian, 19th century	##################	eligible
71	Essex	Ticonderoga	03115.000166		Ticonderoga Boat Launch Site	Precontact		quartzite flakes, chert flakes, chert biface fragments	
72	Essex	Ticonderoga	03115.000178		Fort Ticonderoga Electric Line Prehistoric #1	Precontact		chert flakes and fire-cracked rocks	undetermined
73	Essex	Ticonderoga	03115.000168		Fort Ticonderoga Waterline Site 1	Historic	Late 19th to early 20th century	farm house/summer camp site	undetermined
74	Essex	Ticonderoga	03115.000179		Fort Ticonderoga Electric Line Prehistoric #2	Precontact		chert flake and chert scraper	undetermined
75	Essex	Ticonderoga	03115.000175		Fort Ticonderoga Waterline Precontact Site 5	Precontact		quartzite flake, chert flake, chert scraper, chert core	
76	Essex	Ticonderoga	03115.000170		Fort Ticonderoga Waterline Site 3	Historic		sheet refuse scatter/fill	undetermined
77	Essex	Ticonderoga	03115.000015	1336	Fort Ticonderoga Reservation	Precontact		no information	
78	Essex	Ticonderoga	03115.000016	3305	No information	Precontact		camp identified by Parker	
79	Essex	Ticonderoga		1336	Fort Ticonderoga Reservation	No information		no information	
80	Essex	Ticonderoga		7325	No information	Precontact		fluted chert projectile point, possibly Normanskill	
81	Addison	Orwell		1337	East Creek	No information		no information	
82	Washington	Putnam	11514.000003		Gourlie Point Battle Site	Historic	1609	possible site of Samuel Champlain's "Battle with the Iroquois"	
83	Washington	Putnam	11514.000117	5107	Parker	Precontact		camp site identified by Parker	
84	Washington	Putnam	11514.000094		Graham Homestead Site	Historic		documented location of seven stone houses	
85	Washington	Putnam		5107	ACP WASH No #	Precontact		camp site identified by Parker	
86	Washington	Putnam		5086	ACP WASH 1	Precontact	Late Woodland	Mohawk encampment	
87	Rutland	Benson		6657	ACP Vermont No #	Precontact		traces of occupation identified by Parker	
88	Washington	Putnam	11514.000119	1349	Harrington Site	Contact		copper implements	
89	Washington	Putnam	11514.000120	1344	Flat Rock Bay Site	Precontact		projectile points, pottery, bone, red and yellow jasper, quartz, quartzite, rhyolite	
90	Washington	Putnam	11514.000121	5108	HAA 100-5	Precontact		traces of occupation identified by Parker	
91	Washington	Dresden	11503.000067	1350	Pulpit Point Site	Contact		French outpost; triangular points and trade goods recovered	
92	Washington	Putnam		5108	ACP WASH No #	Precontact		traces of occupation identified by Parker	
93	Washington	Putnam		1349	No information	Contact		copper implements	
94	Washington	Putnam		1344	Flat Rock Bay	Precontact	Woodland	projectile points, pottery, bone, red and yellow jasper, quartz, quartzite, rhyolite	
95	Rutland	Benson		1348	No information	Precontact		two quarry sites	
96	Rutland	Benson		1345	No information	Precontact		burial identified by Parker	
97	Washington	Dresden		1350	Pulpit Point	Contact		French outpost; triangular points and trade goods recovered	
98	Rutland	Benson		1347	No information	Precontact		three quarry sites	
99	Washington	Dresden	11503.000068	5106	Parker	Precontact		traces of occupation identified by Parker	
100	Rutland	West Haven		1346	No information	Precontact and Historic		precontact - village site; historic - flint quarry	
101	Washington	Dresden		5106	ACP WASH No #	Precontact		traces of occupation identified by Parker	

TERRESTRIAL ARCHAEOLOGICAL SITES REPORTED IN THE PROJECT'S STUDY AREA

Map ID	County	Municipality	OPRHP Site No.	NYSM Site No.	Site Identifier	Site Type	Specific Date or Period	Description	National Register Status
102	Washington	Whitehall	11517.000036		Site SB6 (ALB 350)	Precontact		no information	
103	Rutland	West Haven		1343	No information	Precontact	Late Archaic	beveled adze	
104	Washington	Whitehall		5104	ACP WASH 19	Precontact		village and earthwork site identified by Parker	
105	Washington	Whitehall		8373	ACP WASH No #	Precontact		camp site identified by Parker	
106	Washington	Whitehall		8374	ACP WASH No #	Precontact		tail identified by Parker	
107	Washington	Whitehall	11541.000059	5104	Wash 19	Precontact		village site identified by Parker	
108	Washington	Whitehall	11541.000414		Cooke's Island 4 Precontact Site	Precontact		gray chert scraper	
109	Washington	Whitehall	11541.000412		Cooke's Island 2 Precontact Site	Precontact		two lithic artifacts	
110	Washington	Whitehall	11541.000411		Cooke's Island 1 Precontact and Historic Site	Precontact and Historic	Archaic and early 19th century	Archaic - camp site with 31 lithic artifacts; nine artifacts dating to the early 19th century	
111	Washington	Whitehall	11541.000413		Cooke's Island 3 Precontact Site	Precontact		four lithic artifacts	
112	Washington	Whitehall	11541.000415		Cooke's Island 5 Historic Site	Historic	19th to early 20th century	cut-stone foundation remains	
113	Washington	Whitehall	11541.000060		Skenes Forge (ALB 271)	Historic	Pre-1775-1780	documented location of 18th century forge	
114	Washington	Whitehall	11541.000058		Saw and Grist Mill Sites (ALB 282)	Historic		no information	
115	Washington	Whitehall	11517.000011	5105	Parker	Precontact		traces of occupation identified by Parker	
116	Washington	Whitehall	11517.000045		Clark IV Site (ALB 364)	Precontact	Late Archaic and Middle Woodland	debitage	
117	Washington	Whitehall		9119	Austin/Clark	Precontact	Late Archaic through Middle Woodland	Otter Creek, Vosburg, Genesee, Orient Fishtail, and Levanna projectile points	
118	Washington	Whitehall		9377	ACP WASH No #	Precontact		traces of occupation identified by Parker	
119	Washington	Whitehall	11517.000035		Site R5 (ALB 349)	Precontact		no information	
120	Washington	Whitehall	11517.000012	5087	Wash 2	Precontact		no information	
121	Washington	Whitehall	11517.000011	5105	Parker	Precontact		traces of occupation identified by Parker	
122	Washington	Whitehall		5087	ACP WASH 2	Precontact		camp site identified by Parker with "arrowheads"	
123	Washington	Whitehall		5105	ACP WASH No #	Precontact		traces of occupation identified by Parker	
124	Washington	Whitehall	11517.000007		Site #9 Outbuilding Site	Historic	Early 19th century	structural remains of a documented outbuilding	
125	Washington	Whitehall	11517.000006		Site #8 Barn and Shed Site	Historic	circa 1870	extant barn and shed associated with a circa 1866 farmstead structure	
126	Washington	Whitehall	11517.000005		Site #7 Steam Saw Mill Site	Historic	circa 1860	structural remains of a documented steam saw mill	
127	Washington	Fort Ann		7501	ACP WASH No #	Precontact		traces of occupation and trail identified by Parker	
128	Washington	Fort Ann		5405	SUNY ALB 64	Historic		no information	
129	Washington	Fort Ann	11505.000007		House Ruins (ALB-82)	Historic		structural remains of house	
130	Washington	Fort Ann	11505.000008		Fisher Barn Site (ALB-63)	Historic	19th century	structural remains possibly associated with a stagecoach tavern	
131	Washington	Fort Ann		5404	SUNY ALB 63	No information		no information	
132	Washington	Fort Ann	11505.000030		Smith's Landing Archaeological District	Historic	19th century	stone foundation remains adjacent to Champlain Canal	
133	Washington	Fort Ann	11505.000025		Winchell Creek Site (ALB-264)	Precontact		scattered flakes and debitage	
134	Washington	Whitehall	11517.000001		Steve Field Site (ALB-64)	Historic		heavy concentration of historic materials	
135	Washington	Fort Ann	11505.000004		Battle Hill (ALB 407)	Historic	18th century	documented location of the Revolutionary War Battle of Fort Ann that took place in 1777	
136	Washington	Fort Ann		9120	Battle Hill	Precontact	Late Archaic through Transitional	Vosburg and Orient Fishtail projectile points	
137	Washington	Fort Ann	11505.000029		Krause Site (ALB 143)	Precontact	Archaic	projectile points, scrapers, cutting tools	

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138	Washington	Fort Ann	11546.000010		Halfway Creek Site	Precontact		5 chert flakes and 1 chert trim	
139	Washington	Fort Ann	11546.000003		Stone Dock (ALB 287)	Historic	circa 1690	remains of a stone dock	
140	Washington	Fort Ann	11546.000001		Canal Locks Site (ALB 286)	Historic	circa 1870s	dressed stone walls are the remains of Champlain Canal locks	
141	Washington	Fort Ann	11546.000016		Locks of 1870 Canal (Old Champlain Canal)	Historic	circa 1870s	dressed stone walls are the remains of Champlain Canal locks	
142	Washington	Fort Ann	11505.000041		ACP Wash 3 Site (ALB 234)	Precontact		Woodland village identified by Parker	
143	Washington	Kingsbury		7500	ACP WASH No #	Precontact		traces of occupation and trail identified by Parker	
144	Washington	Kingsbury	11513.000032		Wright Site (ALB 133)	Precontact and Historic		flint knapping station and Native American burial site; possibly also the location of an American military hospital station	
145	Washington	Kingsbury		5089	ACP WASH 4	Precontact		village site identified by Parker	
146	Saratoga	Stillwater		7732	No information	No information		no information	
147	Washington	Kingsbury	11513.000027		Champlain Canal Remnants at Dunham Basin	Historic	1820	stone blocks	listed
148	Washington	Kingsbury		7412	ACP WASH No #	Precontact		traces of occupation and trail identified by Parker	
149	Washington	Fort Edward		7413	ACP WASH No #	Precontact		traces of occupation and trail identified by Parker	
150	Washington	Fort Edward	11542.000001		45 Broadway Precontact Site	Precontact		no information	
151	Washington	Fort Edward		5852	Little Wood Creek Site	Precontact and Historic	Transitional., Late Woodland, Colonial	no information	eligible
152	Washington	Fort Edward	11542.000330		Underwater Site U-2	Historic	19th century	small, wooden boat on the bottom of the Hudson River	
153	Washington	Fort Edward	11542.000336		Underwater Sites U-8, U-9, U-10	Historic		Three submerged wooden vessels off the SW shore of Rogers Island in the Hudson River. U-8 is a work barge; U-9 is a canal boat; U-10 is an unidentified vessel.	
154	Washington	Fort Edward		5852	Little Wood Creek	Precontact	Late Archaic through Late Woodland	seasonal camp and burial site	
155	Washington	Fort Edward	11542.000331		Underwater Site U-3	Historic	early 20th century	wooden cribbing remains of slipways embedded in the SE shoreline of Rogers Island opposite the wall of Lock 7	
156	Washington	Fort Edward	11542.000332		Underwater Site U-4	Historic		Exposed wooden timbers, metal fasteners, and vertical pieces of rebar, likely the remains of at least two barges possibly placed to serve as a bulkhead; located at the extreme southern end of Rogers Island.	
157	Saratoga	Moreau	09113.000059		PCI Hudson I Jones/Rogers Cemetery and House Site	Historic	circa 1770s to 1970s	stone structural remains associated with the Jones/Rogers Estate	eligible
158	Saratoga	Moreau	09113.000072	11765	T-L Historic and Prehistoric Site	Precontact and Historic	Woodland, Late 19th to early 20th century	Woodland camp site determined by presence of pottery. Historic materials included a cellar hole feature, and structural and domestic artifact deposits.	
159	Washington	Fort Edward		5111	ACP WASH No #	Precontact		camp site identified by Parker	
160	Saratoga	Moreau	09113.000070		Underwater Site U-7	Historic		wooden timber cripping likely associated with a wharf structure	
161	Washington	Fort Edward	11506.000618		Historic Site H1	Historic	19th century	bottle glass	undetermined
162	Washington	Fort Edward	11506.000623		T-N	Precontact		chert flakes, quartzite flake	
163	Washington	Fort Edward	11506.000624		T-O	Historic	Late 18th through early 19th century	ceramic shards, nails, asbestos shingle fragments, crushed drainpipe	
164	Saratoga	Moreau	09113.000002		Ferry Landing	Historic	Mid 19th century	documented location of rope ferry	
165	Washington	Fort Edward	11506.000009		Original Jane McCrea Burial Place	Historic	1777	burial site	

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166	Saratoga	Moreau		1289	Rice	Precontact	Late Archaic	no information	
358	Rensselaer	Schodack	08313.000253		Dodd & Maloney Ice House Site	Historic	circa 1890-1920	documented location of an ice house present during the late 19th and early 20th centuries	
359	Rensselaer	Schodack	08313.000237		Ziegler's Ice House	Historic	circa 1900-1915	documented location of an early 20th century ice house	
360	Albany	Coeymans		5299	ACP ALBY No #	Precontact		traces of occupation and camp site identified by Parker	
361	Albany	Coeymans		375	No information	No information		Trading post?	
362	Albany	Coeymans		376	Barren Island - Heywood Sites	Precontact	Archaic through Woodland	no information	
363	Albany	Coeymans		6655	Barren Island	No information		no information	
364	Greene	New Baltimore		3381	ACP GRNE 2	Precontact		camp sites	
365	Greene	New Baltimore	03912.000005		Holding Tank	Historic	19th century	dry stone retaining wall remains, pylons	
366	Greene	New Baltimore	03912.000008		Store or Hotel Foundation	Historic	Mid 19th century	foundation remains, architectural and domestic artifact deposits	
367	Greene	New Baltimore	03912.000003		Boat Slip	Historic	19th century	boat ramp lined with wood and rough cut stone	
368	Greene	New Baltimore	03912.000007		Store House Complex	Historic	19th century	no information	
369	Greene	New Baltimore	03912.000004		Saw Mill	Historic	19th century	stone foundation remains	
370	Greene	New Baltimore	03912.000006		Stone-Lined Boat Slip	Historic	19th century	no information	
371	Greene	New Baltimore	03912.000113		Vanderpoel, Van Orden & Sherman Ice House	Historic	circa 1881	ice house complex structural remains, machinery parts, and hardware	
372	Columbia	Stuyvesant		3105	ACP CMBA 3	Precontact		camps	
373	Greene	New Baltimore		5824	Sweezey	Precontact	Archaic	no information	
374	Greene	New Baltimore		5825	Black Birch	Precontact	Archaic	no information	
375	Greene	Coxsackie		3380	ACP GRNE 1A	Precontact		camp sites	
376	Greene	Coxsackie	03941.000003	428	Possible Site	No information		no information	
377	Columbia	Stuyvesant		390	Nutten Hook	Precontact	Archaic	no information	
378	Greene	Coxsackie		8277	No information	Precontact	Late Archaic through Woodland	Woodland, Vosburg, and Orient Fishtail projectile points, spoolstones	
379	Columbia	Stuyvesant		8549	BW Site 3	Precontact		debitage	
380	Columbia	Stuyvesant		8551	BW Site 4	Precontact		five biface/flakes	
381	Columbia	Stuyvesant	02117.000094		Nutten Hook Site 1	Precontact		camp site	eligible
382	Columbia	Stuyvesant	02117.000097		Nutten Hook Site 4	Precontact		7 flakes, 4 trim, 1 quartz crystal, and 1 spokeshave uncovered	eligible
383	Columbia	Stuyvesant	02117.000098		Nutten Hook Site 5	Precontact		1 flake uncovered	eligible
384	Columbia	Stuyvesant	02117.000099		Nutten Hook Site 6	Precontact		workshop	eligible
385	Greene	Coxsackie	03905.000019	429	Possible Site	No information		no information	
386	Greene	Coxsackie	03905.000019	429	No information	Precontact		points	
387	Greene	Coxsackie		8279	Bailey	Precontact		thousands of worked blades, points, and spool stones	
388	Greene	Coxsackie	03905.000037		Baliey's Farm SM#448	No information		No information	
389	Greene	Coxsackie	03905.000110		Four Mile Point Preserve, Historic Locus 2	Historic	Mid 19th century	Remains of residence and farm complex	
390	Greene	Coxsackie	03905.000111		Four Mile Point Preserve, Historic Locus 1	Historic	Late 19th century	ice house	
391	Greene	Coxsackie	03905.000109		Four Mile Point Preserve	Precontact	Middle Woodland	Over 4,000 chert trim and flakes, cores, hammerstones, bifaces, drill, utilized flakes	
392	Greene	Coxsackie		448	Bailey's Farm	Precontact	Early Woodland	village site	

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393	Greene	Coxsackie		425	Tufano	Precontact	Late Archaic through Late Woodland	village and/or camp site	
394	Greene	Coxsackie		8556	No information	Precontact		traces of occupation identified by Parker	
395	Greene	Coxsackie		8557	Klinkenberg	Historic		Dutch mission and cemetery	
396	Greene	Coxsackie		3382	ACP GRNE 3	Precontact		camp sites identified by Parker	
397	Greene	Coxsackie		462	Four Mile Point	Precontact	Middle Woodland	camp and mound	
398	Greene	Athens		8778	No information	Precontact		Cluster of village sites identified by Parker	
399	Greene	Catskill		415	Peloubet	No information		no information	
400	Greene	Athens	03942.000598		Middle Ground Flats	Historic		documented location of the landing of Henrik Hudson	
401	Columbia	Hudson	02140.000013		Hogelboon Wharf Site	Historic	Pre-1783	documented location of a wharf utilized during the 18th century	
402	Columbia	Hudson	02140.000012		Titus Morgan Shipyard Site	Historic	1784	documented location of an 18th century shipyard	
403	Columbia	Greenport		3108	ACP CMBA 6	Precontact		camp	
404	Columbia	Greenport	02111.000038		IGTS 198-1-1	Precontact		camp site and lithic scatter	eligible
405	Columbia	Greenport	02111.000039		IGTS 198-1-2	Precontact		camp site and lithic scatter	undetermined
406	Columbia	Greenport		9214	No information	No information		no information	
407	Greene	Athens	03902.000260		Icehouse ruins site	Historic	Mid 19th century	structural remains of an ice house	undetermined
408	Greene	Athens		518	Rip Van Winkle	No information		no information	
409	Columbia	Greenport		484	Roger's Island 2	No information		no information	
410	Columbia	Greenport		485	Roger's Island 1	No information		no information	
411	Greene	Catskill	03904.000174		St. Joseph's Site	Precontact and Historic	19th century	chert point, 47 debitage fragments, one scraper; foundation remains and small scatter of 19th century artifacts	
412	Columbia	Greenport		3106	ACP CMBA 4	Precontact		village	
413	Greene	Catskill		3399	ACP GRNE 20	Precontact		camp site identified by Parker	
414	Columbia	Germantown		3109	Ford	Precontact		camp	
415	Greene	Catskill		9218	No information	Precontact		camp site	
416	Greene	Catskill		482	Greene Point	No information		no information	
417	Greene	Catskill		3401	ACP GRNE 22	Precontact		village site identified by Parker	
424	Essex	Crown Point		7744	ACP ESEX No #	Precontact		traces of occupation identified by Parker	
425	Greene	Catskill		5673	Kiebant Garden	Precontact	Late Archaic - Early Woodland	possible adena and normanskill points, two chert flakes	
426	Ulster	Saugerties		7802	No information	Precontact		"arrowheads"	
427	Ulster	Saugerties		7803	No information	Precontact	Early Woodland	triangular and Adena-like projectile points	
428	Ulster	Saugerties		5040	ACP ULST 5	No information		fort or village site identified by Parker	
429	Ulster	Saugerties	11115.000013		Bigelow Blue Stone Co. Site	Historic	prior to 1875	rubble and possible foundation remains, mid-19th century fill extending along bank of Hudson River	
430	Ulster	Saugerties	11115.000012		T. Isham Paper Mill Site	Historic	prior to 1875	stone foundation, brick footing, and stone floor of paper mill	
431	Columbia	Clermont		2283	No information	Precontact		precontact occupation stratigraphy	
432	Ulster	Saugerties		503	Rocky Point Shell Midden	Precontact		shell midden	
433	Dutchess	Red Hook	02715.000656		Davis Site	Precontact and Historic	Possibly Middle Woodland; circa Mid-18th to mid-19th centuries	1 fragmentary possible chert bladelet , 1 chert perform, 47 pieces of chert debitage, 1 quartzite debitage, and fire-cracked rock; historic domestic refuse disposal site consisting predominately of ceramics and some structural debris	undetermined
434	Dutchess	Red Hook		9054	ACP DUCH No #	Contact		site of an Esopus Indian village identified by Parker	

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435	Dutchess	Red Hook		7089	No information	No information		150 projectile points	
436	Dutchess	Tivoli	02751.000195	7089	North Bay - Sycamore Point	Precontact		burial with points	
437	Dutchess	Red Hook	02715.000539	7088	Magdalen Island Woods			Site form missing - no information	
438	Dutchess	Red Hook		506	Magdalen Island Rockshelter: Goat Island	Precontact		rockshelter	
439	Dutchess	Red Hook		6853	Goat Island Camp: Magdalen Island Camp	Precontact		camp site	
440	Dutchess	Red Hook		7088	Goat Island Woods: Magdalen Island Woods	Precontact		anvilstone	
441	Dutchess	Red Hook		504	Magdalen Island Shell Heap: Goat Island	Precontact		shell midden	
442	Ulster	Saugerties	11115.000015		Washburn Brothers Brickyard Site	Historic	prior to 1927	brick foundation, water towers, drainage ditches, and barn	
443	Dutchess	Red Hook	02715.000527	7084	Cruger Island, North Point	Precontact		light scatter of "chips," bases of fishtails	
444	Dutchess	Red Hook	02715.000528	7085	Cruger Island Shell Heap 2	Precontact		shell deposit with chips and bone	
445	Dutchess	Red Hook	02715.000530	7087	Cruger Island Rock Shelter	Precontact		rock shelter	
446	Dutchess	Red Hook	02715.000529	7086	South Cruger Island, Northeast	Precontact		yellow steatite platform pipe bowl, late pottery, chisel and whetstone	
447	Dutchess	Red Hook	02715.000525	7083	Cruger Island, West Beach	Precontact		shell deposit on west shore of island	
448	Dutchess	Red Hook		7083	No information	Precontact		shell midden	
449	Dutchess	Red Hook		7084	No information	Precontact		debitage cluster	
450	Dutchess	Red Hook		7085	No information	Precontact		no information	
451	Dutchess	Red Hook		7086	No information	Precontact	Early though Late Woodland	projectile points, pottery, debitage, steatite platform pipe	
452	Dutchess	Red Hook		7087	No information	Precontact		rockshelter	
453	Dutchess	Red Hook		507	North Cruger Island: Cruger Island Shell Heap	Precontact		shell midden	
454	Dutchess	Red Hook	02715.000531	7201	Cruger Island Rock Shelter	Precontact		possible rock shelter	
455	Dutchess	Red Hook	02715.000522	7082	South Cruger Island, South Central Ridge	Precontact		hammerstone, Brewerton point	
456	Dutchess	Red Hook	02715.000517	7081	South Cruger Island, Southeast Rock	Precontact		Perkiomen points	
457	Dutchess	Red Hook	02715.000025	7203	South Cruger Island Site	Precontact	Archaic, Laurentian, Vosburg	multicomponent camp site	listed
458	Dutchess	Red Hook	02715.000533	7202	Cruger Island Southeast Shore	Precontact		debitage	
459	Dutchess	Red Hook	02715.000515	7080	South Cruger Island, North Point	Precontact		large chert flakes	
460	Dutchess	Red Hook	02715.000516	7079	South Cruger Island, Southeast	Precontact		pottery, chert flakes, copper bell, base of Orient fishtail, Lamoka-like points, charcoal, bone	
461	Dutchess	Red Hook		7079	South Cruger Island	Precontact	Late Archaic	Lamoka projectile point	
462	Dutchess	Red Hook		7080	No information	Precontact		debitage and pottery	
463	Dutchess	Red Hook		7081	No information	Precontact	Transitional	no information	
464	Dutchess	Red Hook		7082	No information	Precontact	Late Archaic	one Brewerton projectile point and one hammerstone	
465	Dutchess	Red Hook		7202	Cruger Island S.E. Shore	Precontact		submerged debitage	
466	Dutchess	Red Hook		7203	Cruger Island South Beach	Precontact		hammer	
467	Dutchess	Red Hook		8262	No information	No information		no information	
468	Dutchess	Red Hook		505	South Cruger Island: Shafer	No information		no information	
469	Ulster	Ulster	11118.000040		Town Park Prehistoric Site	Precontact	Archaic through Contact	rolled copper trade beads	

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470	Ulster	Kingston	11106.000018		Rose Brothers Brickworks site	Historic	Early to Mid-20th century	bricks marked with "ROSE BROS" and brick fragments	
471	Ulster	Ulster	11118.000008		Brigham Brickworks Site	Historic	Late 19th century	foundation remains as well as surficial brick with the "Brigham" mark	
472	Ulster	Ulster		7668	Kingston #1	Precontact	Early Archaic through Late Woodland	village, burial, midden, and camp site	
473	Ulster	Ulster	11118.000059		Shultz Brick Company Bulkhead surrounding a barge slip	Historic	Late 19th century	U-shaped barge slip constructed of wooden pilings and cribbing deliberately filled with brickwork and stone	
474	Ulster	Ulster	11118.000055		CA Shultz Brickyard Complex	Historic		No information - form missing from SHPO	
475	Ulster	Kingston	11140.001589		Sunken Wooden Barge #13	Historic	Mid-20th century	wooden barge approximately 50x20 ft	
476	Ulster	Kingston	11140.001580		Staples Brickyard Complex Site	Historic	circa 1870-1950	Structural remains including brick, mortar, bluestone, and concrete, as well as bricks marked "STAPLES"	
477	Ulster	Kingston	11140.001579		Dwyer Brickyard and Ice House Complex Site	Historic	circa 1850-1950	Structural remains including brick, mortar, bluestone, and concrete, as well as bricks marked "F.B.Co" and "KB&Ico"	
478	Ulster	Kingston	11140.001591		Wooden Barge Cluster #2 (5 barges)	Historic	Mid-20th century	five wooden barges sunk in place during the mid-20th century and filled with rocks and soil	
479	Ulster	Kingston	11140.001590		Wooden Barge Cluster #1 (7 barges)	Historic	circa 1900	seven wooden barges constructed circa 1900 and sunk in place after 1952; filled with crushed stone and soil	
480	Ulster	Kingston		9078	ACP ULST No #	Precontact		village site identified by Parker	
481	Ulster	Kingston	11140.001578		Terry Brickyard and Ice House Complex Site	Historic	circa 1850-1950	Structural remains including brick, mortar, bluestone, and concrete, as well as bricks marked "TERRY" and "TERRY BROS"	
482	Ulster	Kingston	11140.001586		Terry Brickyard Wooden Bulkhead	Historic	Late 19th - Mid-20th century	Pilings with horizontal wood cross members held together with iron spike and later reinforced with concrete and capped iron sheeting	
483	Ulster	Kingston	11140.001587		Stone Base of Former Pier	Historic	Mid-20th century	Linear feature, perpendicular to shoreline, consisting of un-mortared stone rubble only visible at low tide	
484	Ulster	Kingston	11140.001588		Terry Brothers' Barge Slip	Historic	Mid-20th century	Hundreds of bricks and brick bats marked "TERRY" and "TERRY BROS;" U-shaped barge stip constructed of wooden pilings and cribbing with cross members fastened with wrought iron spike and concrete decking	
485	Ulster	Kingston	11140.001257		Former Hutton Brickyard Facility	Historic	1865-1980	several standing structures associated with the brick manufacturing industry	eligible
486	Ulster	Kingston	11140.000915		10-H-11			Site form missing - no information	
487	Ulster	Kingston	11140.000962		10-H-58			Site form missing - no information	
488	Ulster	Kingston	11140.000964		10-P-60			Site form missing - no information	
489	Ulster	Kingston	11140.000963		10-P-59			Site form missing - no information	
490	Ulster	Kingston	11140.000914		10-H-10			Site form missing - no information	
491	Ulster	Kingston	11140.000960		10-H-56			Site form missing - no information	
492	Ulster	Kingston	11140.000961		10-H-57			Site form missing - no information	
493	Ulster	Kingston		519	Rondout Island	Precontact	Middle through Late Woodland	shell midden	
494	Dutchess	Rhinebeck		3158	ACP DUCH No #	Precontact		traces of occupation identified by Parker	
495	Dutchess	Rhinebeck	02716.000268		Site A Shell Midden	Precontact	Woodland	clamshells and pottery	undetermined
496	Ulster	Esopus	11102.000042		Historic Field Stone Foundation with a brick sill	Historic	Late 19th to early 20th century	foundation remains	
497	Dutchess	Rhinebeck	02716.000074		Petroglyph Site	Precontact		pictograph	

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498	Ulster	Esopus	11102.000016		Datum Site	Precontact	Late Woodland	lithic artifacts affiliated with the Otter Creek, Vosburg, Levanna, Meadowood, Brewerton, Jacks Reef, and Normanskill traditions	
499	Ulster	Esopus	11102.000021		Burial Site	Precontact	Late Woodland	human burials and lithic artifacts, including a triangular point	
500	Ulster	Esopus	11102.000022		Foundation	Historic		above ground foundation remains	
501	Ulster	Esopus	11102.000020		Schleede Brickworks	Historic	Late 19th - Early 20th century	brick, bluestone, wood pilings along Hudson cribbed with stone cobbles	
502	Ulster	Esopus		7973	Datum	Precontact	Late Archaic through Late Woodland	no information	
503	Ulster	Esopus		7974	No information	No information		burials located in the 1930s and 40s	
504	Ulster	Esopus		9079	ACP ULST No #	Precontact		camp site identified by Parker	
505	Ulster	Esopus	11102.000018		Esopus Meadow Point Site	Precontact		knives, scrapers, debitage, and fire-cracked rock; Beekman Triangle found along water's edge	
506	Ulster	Esopus	11102.000019		Esopus Meadow Point Site II	Precontact		quarry or workshop area; thousands of flakes and core fragments uncovered	
507	Ulster	Esopus		7971	No information	Precontact		workshop camps, Normanskill chert debitage	
508	Dutchess	Hyde Park	02707.000441		Mills State Park I	Precontact	Late Woodland	flakes and fire-cracked rock	eligible
509	Dutchess	Hyde Park		3149	ACP DUCH 17	Precontact		village site identified by Parker	
510	Ulster	Esopus	11102.000026		F-1	Precontact		possible bifurcate and cache of blades	
511	Ulster	Esopus	11102.000027		F-2	Precontact	Multicomponent	200 points including those associated with the Beekman, Vosburg, Genesee, Susquehanna, Meadowood, Normanskill, and Orient Fishtail traditions; fire-craked rock and flakes	
512	Ulster	Esopus		5046	Inscribed Rock; ACP ULST 11	Precontact		petroglyphs	
513	Ulster	Esopus	11102.000028		F-4	Precontact	Late Archaic	over 100 points uncovered including those associated with the Narrow stemmed, Brewerton, and Vosburg traditions; bannerstone, scrappers, drills, and debitage also uncovered	
514	Ulster	Esopus	11102.000029		F-5	Precontact		"lots of stuff"	
515	Ulster	Esopus	11102.000024		F-3	Precontact		Orient Fishtail	
516	Ulster	Esopus		9081	ACP ULST No #	Precontact		traces of occupation identified by Parker	
517	Ulster	Esopus		9080	ACP ULST No #	Precontact		camp site identified by Parker	
518	Ulster	Esopus	11102.000030		F-6	Precontact		"lots of stuff"	
519	Ulster	Esopus	11102.000025		F-7	Precontact		no information	
520	Dutchess	Hyde Park	02707.000567		Campbobello Precontact Site Locus 2	Precontact		camp site; bifaces, scrapers, utilized flakes, flakes, and trim flakes uncovered	undetermined
521	Dutchess	Hyde Park	02707.000568		Campbobello Precontact Site Locus 1	Precontact		chert core	undetermined
522	Dutchess	Hyde Park	02707.000442		Huyler Rock Shelter	Contact		brass, pipes, flakes, bone	eligible
523	Dutchess	Hyde Park		522	Shagabak	Precontact	Late Archaic through Late Woodland	no information	
524	Dutchess	Hyde Park		3159	ACP DUCH No #	Precontact		camp site identified by Parker	
525	Dutchess	Hyde Park		3160	ACP DUCH No #	Precontact		traces of occupation identified by Parker	
526	Dutchess	Poughkeepsie		3162	ACP DUCH No #	Precontact		traces of occupation identified by Parker	
527	Dutchess	Poughkeepsie	02740.000866		W.A. Southwick Tannery Site	Historic	Mid through Late 19th century	tannery related deposits, at least one building foundation, and a privy	undetermined
528	Dutchess	Poughkeepsie		3141	ACP DUCH 9	Precontact		six burials and a camp site identified by Parker	

TERRESTRIAL ARCHAEOLOGICAL SITES REPORTED IN THE PROJECT'S STUDY AREA

Map ID	County	Municipality	OPRHP Site No.	NYSM Site No.	Site Identifier	Site Type	Specific Date or Period	Description	National Register Status
529	Ulster	Lloyd	11107.000001		Tompkins Landing	Historic	18th and 19th century	documented location of a landing along the Hudson River	
530	Dutchess	Poughkeepsie		6874	Perkins Camp	Precontact		camp site	
531	Dutchess	Poughkeepsie		6873	Buckner Camp	Precontact		camp site	
532	Ulster	Marlborough	11109.000031		Milton Railyard	Historic	1875-1891	intact railroad tracks, concrete pads, bottle dump, whiteware and porcelain fragments	
533	Dutchess	Poughkeepsie		3150	ACP DUCH 18	Precontact		village site identified by Parker	
534	Dutchess	Poughkeepsie	02714.000074		Clinton Site	Precontact		projectile points	
535	Dutchess	Poughkeepsie		526	Stoneco	Precontact		no information	
536	Dutchess	Poughkeepsie		6880	ACP DUCH No #	Precontact		traces of occupation identified by Parker	
537	Orange	Newburgh	07140.000246		Danskammer	Precontact and Historic		documented site of an Indian path and the 1834 home of Edward Armstrong, Danskammer	
538	Orange	Newburgh		5948	Danskammer Point	No information		no information	
539	Orange	Newburgh		7728	ACP ORNG 11B	Precontact		camp site identified by Parker	
540	Orange	Newburgh		6860	Danskammer Camp	Precontact		camp site	
541	Dutchess	Wappinger	02719.000028		Chelsea River Road Foundation Site	Historic		stone foundation, glass fragments, roofing slate and fire brick	
542	Orange	Newburgh		4387	Danskammer	Precontact and Historic		Esopus Indian dance site identified by Parker	
543	Orange	Newburgh		9013	Anchorage 2	Precontact	Late Archaic	camp site and projectile points	
544	Orange	Newburgh		9012	Anchorage 1	Historic	ca 1800-1850	midden, residence and outbuildings	
545	Orange	Newburgh	07114.000095		Anchorage-on-the-Hudson Prehistoric Site 3	Precontact	Late Archaic	Lamoka, Brewerton, and Beekman Triangle Projectile Points	not eligible
546	Orange	Newburgh	07114.000094		Anchorage-on-the-Hudson Historic Site 1	Historic	Late 19th century	subsurface foundation remains	eligible
547	Orange	Newburgh		4398	ACP ORNG No#	Precontact		village site identified by Parker	
548	Orange	Newburgh	07114.000037		Dock Site and Brickyard	Historic	18th - 19th century	documented location of a circa 1780 dock and a mid-19th century brickyard	
549	Orange	Newburgh	07114.000038		Retaining Wall	Historic		standing ruins of a retaining wall with a concrete chute in the center, which functioned as a coal slide	
550	Orange	Newburgh	07114.000036					Site form missing - no information	
551	Orange	Newburgh	07114.000041		Kiln Complex	Historic	Mid-19th century	the remains of a kiln complex possibly associated with the Belnap brickyard	
552	Orange	Newburgh		1153	SUNY ALB 1	No information		no information	
553	Orange	Newburgh	07140.002448		Prehistoric Site 4 - Alb 1	Precontact	Late Archaic to Late Woodland	no information	eligible
554	Orange	New Windsor	07115.000112		Quassaic Creek Area	Historic	18th and 19th century	documented location of industrial activity areas including a late 18th century grist mill	
555	Orange	New Windsor	07115.000109		New Windsor Glass Factory	Historic	18th and 19th century	documented location of a glassworks	
556	Orange	New Windsor	07115.000108		Village of Old New Windsor	Historic	Mid-18th century to present	standing structures	
557	Orange	New Windsor	07115.000110		Thomas Ellison House	Historic	1723-1833	documented location of the home of William Ellison, merchant; house also served as Washington's headquarters between 1779 and 1781	
558	Orange	Windsor		4381	ACP ORNG 5	Precontact		small village site identified by Parker	
559	Orange	New Windsor	07115.000592		Captain Machin's Battery	Historic	Revolutionary War Period	earthen mounds that supported artillery battery	eligible
560	Putnam	Philipstown		7259	ACP DUCH 16A	Precontact		"many sites" identified by Parker	

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561	Orange	Highlands		8097	Crow's Nest Mountain Shelter	Precontact	Late Archaic through Late Woodland	rockshelter	
562	Orange	Highlands	07109.001044		AAC-WP-H5, USMA West Point Rugby Field	Historic	Mid-Late 19th to Early 20th centuries	historic trash dump	not eligible
563	Orange	Highlands	07109.001080		AAC-WP-H5	Historic	Mid-Late 19th to Early 20th centuries	historic trash dump	not eligible
564	Putnam	Philipstown	07904.000237		Consitution Island Redoubt 7	Historic	1778-1797	Redoubt constructed by Continental Army to protect rear of Constitution Island river defenses in 1778	
565	Putnam	Philipstown	07904.000233		Constitution Island Revolutionary War hut encampment	Historic	1775-1783	Encampment site of the Continental Army; site consists of numerous well-defined hut foundations and chimneys.	
566	Putnam	Philipstown	07904.000241		Constitution Island Roman's barracks	Historic	1775-1777	Late 18th century structural and domestic debris; parallel foundation remains	
567	Putnam	Philipstown	07904.000240		Consitution Island unfinished redoubt	Historic	1775-1783	Parallelogram of dry-laid fieldstone; likely comprised an unfinished redoubt begun during the American Revolution	
568	Putnam	Philipstown	07904.000244		Consitution Island Warner House	Precontact and Historic	1778-present	Prehistoric use site with subsequent use as a Continental Army barracks and later a 19th century home	
569	Putnam	Philipstown	07904.000234		Constitution Island Revolutionary War powder magazine	Historic	1775-1777	Artillery battery and powder magazine constructed by Bernard Romans in 1774; occupied by Continental Army and Militia units and destroyed by British Army	
570	Putnam	Philipstown	07904.000246		Constitution Island Roman's blockhouse	Historic	1775-1777	documented location of a blockhouse occupied by Continental Army and destroyed by the British Army in 1777	
571	Putnam	Philipstown	07904.000242		Constitution Island Marine battery	Historic	1775-1783	above and below ground surface foundation remains	
572	Putnam	Philipstown	07904.000243		Constitution Island Hill Cliff battery	Historic	1775-1783	above and below ground surface foundation remains	
573	Putnam	Philipstown	07904.000245		Consitution Island Redoubt 5	Historic	1778-1783	Redoubt constructed by Continental Army to protect rear of Constitution Island river defenses in 1778	
574	Putnam	Philipstown	07904.000236		Constitution Island Revolutionary War Sirling's barracks	Historic	1775-1777	Late 18th century structural and domestic debris, artillery shrapnel	
575	Putnam	Philipstown	07904.000239		Constitution Island Gravel Hill battery	Historic	1775-1783	Earthenwork battery first constructed in 1776 by the Continental Army to defend the southern approach to the island	
576	Putnam	Philipstown		550	Constitution Island	Precontact and Historic		no information	
577	Orange	Highlands	07109.001032		West Point Revolutionary War Fortifications Continental Army Logistics Buildings in North Dock Vicinity	Historic	1778-1783	the documented site of the Continental Army's logistical center at West Point	
578	Orange	Highlands	07109.001024		West Point Revolutionary War Fortifications - Chain Battery	Historic	1778-1783	the documented site of a chain battery constructed by the Continental Army in 1778 as a major component of the Fortress West Point River Defenses	
579	Orange	Highlands	07109.001025		West Point Revolutionary War Fortifications - Water Battery	Historic	1778-1783	the documented site of a water battery constructed by the Continental Army in 1778 to serve as an advanced guard post	
580	Orange	Highlands	07109.001018		West Point Military Training Fortification - Seige Battery	Historic	circa 1845-1937	site of a siege battery constructed at Redoubt Sherburn to support cadet artillery training	

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581	Orange	Highlands	07109.001019		West Point Revolutionary War Fortifications - South Battery and West Point Military Training Fortifications - Knox Battery	Historic	circa 1778-1940	site of a Revolutionary War fortification designed to protect the South Flank of Fort Clinton	
582	Orange	Highlands	07109.000012		Fort Clinton, West Point	Historic	1779	Revolutionary War constructed in 1779 by Col. Thaddeus Kosciusko to secure the Hudson River from the British	
583	Putnam	Philipstown		4517	ACP PTNM 3	Precontact		village site identified by Parker	
584	Orange	Highlands	07109.001017		West Point Revolutionary War Fortifications - Wyllis Redoubt with Detached Battery and Encampment site	Historic	1778-1783	site of a redoubt constructed by the Continental Army to protect the ridge that comprised the most viable military approach to Fort Putnam	
585	Orange	Highlands	07109.001033		West Point Revolutionary War Fortifications - Battery Miegs	Historic	1778-1783	site of a redoubt constructed by the Continental Army to protect the ridge that comprised the most viable military approach to Fort Putnam	
586	Putnam	Philipstown		4515	ACP PTNM 1	Precontact		burial site identified by Parker	
587	Orange	Highlands	07109.001020		West Point Military Fortifications - Seacoast Battery	Historic	circa 1850-1940	site of a battery constructed to support cadet artillery training	
588	Orange	Highland Falls	07143.000095		Cozzens Hotel Site	Historic	1849-1861; rebuilt 1862	Brick and mortared stone foundation remains, various ceramic, glass, and metal artifacts	
589	Orange	Highlands		7914	Cow Hook	Precontact		camp site	
590	Orange	Highlands		547	Con Hook: Cohn Hook	No information		no information	
591	Orange	Highlands		546	Garrison	No information		no information	
592	Orange	Highlands		545	Fisherman's Rock House	No information		no information	
593	Orange	Highlands		543	Riverbank Rockshelter	Precontact		rockshelter	
594	Orange	Highlands		542	Denniston	No information		no information	
595	Orange	Highlands		541	Fort Montgomery	Precontact and Historic		no information	
596	Orange	Highlands		540	Popolopen Creek Outlet	No information		no information	
597	Orange	Highlands		7915	No information	Precontact		camp site	
598	Orange	Highlands	07109.000001		Fort Montgomery	Historic	1776-1777	Location of a Revolutionary War fort constructed to prevent the British from sailing up the Hudson River	NHL
599	Orange	Highlands	07109.000973		Fort Clinton Prehistoric Site	Precontact		camp site	
600	Orange	Highlands	07109.000922		Popolopen Creek Hulks	Historic	circa 1830-1860	sunken remains of two Hudson River sloops constructed between 1830 and 1860	
601	Orange	Highlands	07109.000972		Bear Mountain Tollbooth Historic Site	Historic		no information	
602	Westchester	Cortlandt	11902.000049		Camp Smith CS-7 Anthony's Hospital	Historic	circa 1900	stone and brick foundation remains, brick chimney and tin roofing, densely scattered ceramics, bottle and window glass, coal, and iron hardware	
603	Westchester	Cortlandt	11902.000059		Camp Smith CS-17 Anthony's Nose Redoubt	Historic		three stone wall redoubt	
604	Rockland	Stony Point		7916	No information	Precontact		camp site	
605	Rockland	Stony Point		539	Trailside Museum	No information		no information	
606	Rockland	Stony Point		538	Bear Mountain Railroad Station Camp	Precontact		rockshelter, camp	
607	Rockland	Stony Point	08705.000073		Bear Mountain RR Station Rockshelter 16-B	Precontact	Middle Woodland	rockshelter and three projectile points	

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608	Rockland	Stony Point	08705.000074		Bear Mountain RR Station Rockshelter 10-B	Precontact	Middle Woodland	rockshelter and over 100 pottery shards	
609		Stony Point	08705.000007		Fort Clinton	Historic	Revolutionary War Period	Fort constructed in 1776-1777 by the Continental Army to protect the passes through the Hudson Highlands and to prevent the British from sailing up the Hudson; partially destroyed by the British in 1777. Remains of Star Redoubt and West Redoubt still stands.	listed
610	Rockland	Stony Point		4654	ACP ROCK No#	Precontact		camp site identified by Parker	
611	Rockland	Stony Point		535	Iona Island	Precontact		traces of occupation identified by Parker	
612	Westchester	Cortlandt		527	No information	Precontact		rockshelter	
613	Westchester	Cortlandt		528	No information	Precontact		rockshelter	
614	Westchester	Cortlandt		530	No information	Precontact		shell midden	
615	Rockland	Stony Point		7920	Dunderburg Mountain	Precontact		rockshelter	
616	Rockland	Stony Point		7921	Dunderburg Mountain	Precontact		camp site	
617	Rockland	Stony Point	08705.000077		Hudson River Find Spot 1	Precontact		three chert flakes	undetermined
618	Rockland	Stony Point		7817	ACP ROCK No#	Precontact		traces of occupation identified by Parker	
619	Rockland	Stony Point		7922	Tompkins Cove	Precontact		camp site	
620	Westchester	Cortlandt	11902.000003		Fort Fayette	Historic		documented location of fort	
621	Westchester	Cortlandt		5142	ACP WEST 6A and 6B	Precontact		village and burial site identified by Parker	
622	Rockland	Stony Point	08705.000003		Village Site - Stony Point	Precontact		no information	
623	Rockland	Stony Point		4632	ACP ROCK 2	Precontact		camp site identified by Parker	
624	Westchester	Greenburgh		5229	ACP WEST No#	Precontact		traces of occupation identified by Parker	
625	Westchester	Greenburgh		7778	ACP WEST No#	No information		camp site identified by Parker	
626	Westchester	Greenburgh		9250	ACP WEST 55C-D-E	Historic		three village sites as identified by Parker	
627	Westchester	Yonkers	11940.001090		Sunken Vessels	Historic	Mid-19th century	structural remains uncovered within the tidal zone of the Saw Mill River	undetermined
628	Westchester	Yonkers	11940.001089		Peene's Pier	Historic		Partial remains of the superstructure uncovered within the tidal zone of the Saw Mill River	undetermined
629	Westchester	Yonkers	11940.001073		Copcutt Carpentry Mill	Historic	circa 1886	foundation remains uncovered	
630	Westchester	Yonkers		5228	ACP WEST No#	Precontact		traces of occupation identified by Parker	
631	Westchester	Yonkers		710	Mount Saint Vincent	No information		no information	
632	New York	New York		4058	ACP NYRK 8	Precontact		shell midden identified by Parker	
633	Bronx	Bronx	00501.000072		Prehistoric Midden	Precontact	Late Archaic	Normanskill chert projectile point, chert projectile points, narrow-stemmed points, quartz flake scrapper, quartzite uniface, and flakes recovered from shell midden	
634	Bronx	Bronx	00501.000065		Lime Kiln Site, Feature 1	Historic	circa Early 18th century	outer wall constructed of mortared stone and inner lining stone identified	
635	Bronx	Bronx	00501.000071		Historic Building Foundation	Historic		architectural materials, including square cut nails, and domestic materials uncovered	
636	Bronx	Bronx	00501.000069		Woodland Shell Midden	Precontact	Late Woodland	pottery , quartz, quartzite, chert flakes and fire cracked rock recovered within shell midden	
637	New York	New York		8375	Nipnichsen	Precontact	Late Woodland	chief village of Wickquaesgecks stronghold as identified by Parker	
638	Bronx	Bronx		709	Kappock	No information		no information	
639	Bronx	Bronx		5320	ACP BRNX No#	Precontact		traces of occupation identified by Parker	
640	Bronx	Bronx		2838	ACP BRNX 16	Precontact		village site identified by Parker	

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641	New York	New York		4056	ACP NYRK 6A	Precontact		Indian trail identified by Parker	
642	New York	Manhattan	06101.000113		Harlem Ship Canal Prehistoric Site	Precontact		shell midden	
643	New York	New York		8368	ACP NYRK 6B	Precontact		rockshelters	
644	New York	New York		4053	ACP NYRK 3	Precontact	Woodland and Historic	village site and shell midden identified by Parker; pottery and projectile points uncovered	
645	New York	New York		4054	ACP NYRK 4	Historic	Contact	site of the Wickquaesgeck village identified by Parker	
646	New York	Manhattan	06101.000121		Inwood Park Rockshelters	Precontact		three rock shelters and several shell heaps	
647	New York	Manhattan	06101.000534		Isham's Garden (Parker #4)	Precontact		excavation in shell midden uncovered projectile points, hammer stones, sinkers, and pottery	
648	New York	Manhattan	06101.000533		213th Street Village Site (Parker #5)	Precontact	possibly Archaic	banner stone, "tomahawk," projectile points, pestles	
649	New York	New York		4052	ACP NYRK 2	Precontact		shell midden identified by Parker, but destroyed when canal excavated	
650	New York	New York		8369	ACP NYRK No #	Precontact		shell midden identified by Parker	
651	New York	Manhattan	06101.000127		Nagle or Century House	Historic	1736	documented location of an 18th century farmhouse	
652	New York	Manhattan	06101.000115		Negro Graveyard	Historic		cemetery	
653	New York	New York		8371	ACP NYRK No #	Precontact		camp site identified by Parker	
654	New York	New York		4069	ACP NYRK No#	Precontact		traces of occupation identified by Parker	
655	New York	New York		8370	ACP NYRK No #	Precontact		camp site identified by Parker	
656	New York	New York		4066	ACP NYRK No#	Precontact and Historic		village and fields identified by Parker	
657	New York	New York		4065	ACP NYRK No#	Precontact		village site identified by Parker	
658	New York	New York		7249	ACP NYRK No #	Precontact		traces of occupation identified by Parker	
659	New York	New York		7248	ACP NYRK No #	Precontact		traces of occupation identified by Parker	
660	Bronx	Bronx	00501.000014		Mott Haven Canal	Historic	circa 1860-1880	documented location of canal	
661	Bronx	Bronx	00501.000021		J. L. Mott Iron Works	Historic	Late 19th - Early 20th century	documented location of iron works	
662	New York	New York		4064	ACP NYRK No#	Historic	Contact	village or camp site of the Reckgawawancks identified by Parker	
663	New York	Manhattan	06101.000541		Conykeest Site	Precontact		shell midden	
664	New York	New York		4063	ACP NYRK No#	Historic	Contact	village or camp site of the Reckgawawancks identified by Parker	
665	Queens	Queens		4535	ACP QUNS 12	Precontact and Historic		shell midden identified by Parker	
666	Queens	Queens		8217	ACP QUNS No#	Precontact		camp site identified by Parker	
667	Queens	Queens		4539	ACP QUNS No#	Precontact		shell midden identified by Parker	
668	Bronx	Bronx	00501.000076		HMS Hussar Target #4B	Historic	Mid 19th century	wooden barge	
669	Bronx	Bronx	00501.000074		HMS Hussar Target #2	Historic		wooden, single-planked design modern vessel	
670	Bronx	Bronx	00501.000078		HMS Hussar Target #8	Historic	19th century	double-planked sailing vessel with a small boiler constructed of riveted iron plate near the bow	
671	Bronx	Bronx	00501.000077		HMS Hussar Target #5	Historic	Mid to Late 19th century	double-planked sailing vessel	
672	Bronx	Bronx	00501.000075		HMS Hussar Target #3	Historic		steel-hulled modern barge	
673	Bronx	Bronx	00501.000079		HMS Hussar Target #X6	Historic		coal barge	
674	Bronx	Bronx		716	Schurtz: Throgs Neck	Precontact and Historic	Middle Woodland and Colonial	extensive Middle Woodland midden and Colonial period foundation	

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675	Washington	Fort Edward	11506.000615		WCC Historic Site 1 Topsoil Mine	Historic	circa 1850-1950	probable midden deposit	not eligible
676	Washington	Fort Edward	11506.000616		WCC Historic Site 2 Topsoil Mine	Historic	circa 1850-1950	probable midden deposit	not eligible
677	Washington	Fort Edward	11506.000622		Stone Spillway, possibly related to the Old Champlain Canal	Historic	19th century	mixed, drylaid stone spillway	undetermined
678	Washington	Fort Edward	11542.000342		Old Champlain Canal Remnant	Historic	1823-1917	Champlain Canal foundation remains	eligible
679	Washington	Fort Edward	11542.000338		T-G foundation, retaining wall	Historic	Late 19th to early 20th century	Limestone block foundation and architectural materials	
680	Washington	Fort Edward	11542.000354	11645	Bridge Street Historic and Precontact Site	Precontact and Historic	18th - early 20th century	chert flakes, chert shatter, fire-cracked rock, and a biface; historic domestic lawn	eligible
681	Washington	Fort Edward	11542.000067		Fort Edward Blockhouse Site	Historic	Late 18th century	documented site of British blockhouse utilized during the French and Indian War	
682	Washington	Fort Edward	11542.000353	11617	Rogers Island Bridge Street Historic and Precontact Site	Precontact and Historic	Early and Late Woodland; 18th and 19th century	charcoal fragments, chert flakes, projectile point fragments, hammer stone, fire-cracked rocks, ceramic pottery shards; architectural, domestic, personal, work-related, and industrial materials dating from the French and Indian War period through circa 1900	eligible
683	Washington	Fort Edward	11542.000339		T-H-1 Historic and Precontact Site	Precontact and Historic	Late 19th to early 20th century	Domestic materials dating to the 19th and 20th centuries; flakes and fire-cracked rocks	
684	Washington	Fort Edward	11542.000003		Site of Old Fort Edward	Historic	Late 18th century	site of British fort utilized during the French and Indian War	eligible
685	Saratoga	Northumberland	09114.000020		Gansevoort Railroad station	Historic	Mid to Late 19th century	documented location of railroad station	
686	Saratoga	Saratoga Springs	09140.001449		St. Clements College Outbuildings Site	Historic	Late 19 to Early 20th century	two foundations and a well	eligible
687	Saratoga	Greenfield	09108.000103		Denton Home Site	Historic	Late 18th century	cellar hole with walls, cistern or well	
688	Saratoga	Greenfield	09108.000114		Site 8 - Williams Site	Historic	Early to Mid-19th century	19th century domestic artifact cluster	
689	Saratoga	Saratoga Springs	09140.001473		SRWT Site 9 - Tait Road Site	Historic	Mid to Late 19th century	Low artifact density associated with a late 19th century residential structure	
690	Saratoga	Saratoga Springs		6907	ACP SARA 3B	Precontact		camps identified by Parker	
691	Saratoga	Saratoga Springs	09140.001474		Site 11- Zepko Road Site	Historic	Late 19th through early 20th century	small domestic artifact cluster including ceramics and architectural materials	
692	Saratoga	Ballston		9134	No information	No information		no information	
693	Saratoga	Ballston		9142	No information	No information		no information	
694	Saratoga	Ballston	09101.000124		Ballston Lake Electric Traction Powerhouse Site	Historic	Mid 19th century	architectural artifacts, bottle glass, light bulb fragment	undetermined
695	Saratoga	Ballston		9175	No information	No information		no information	
696	Saratoga	Ballston	09101.000010		South Ballston Railroad Station	Historic	Mid 19th century	railroad station	
697	Schenectady	Glenville	09302.000024		Old Brummaghim Mill Site	Historic		no information	
698	Schenectady	Glenville	09302.000145		Yates Farm Precontact Site 1	Precontact		camp site consisting of flakes, bifaces, one possible rough stone tool, fire-cracked rocks	not eligible
699	Schenectady	Glenville	09302.000146		Yates Farm Precontact Site 2	Precontact		camp site consisting of a core fragment, trim, one utilized flake, and fire-cracked rocks	not eligible
700	Schenectady	Glenville	09302.000144		Alplaus Schoolhouse Historic Archeological Site	Historic	19th century	sheet midden containing 19th and 20th century artifacts behind a 19th century schoolhouse	not eligible

TERRESTRIAL ARCHAEOLOGICAL SITES REPORTED IN THE PROJECT'S STUDY AREA

Map ID	County	Municipality	OPRHP Site No.	NYSM Site No.	Site Identifier	Site Type	Specific Date or Period	Description	National Register Status
701	Schenectady	Glenville	09302.000072	6255	Unnamed Site	No information		no information	
702	Schenectady	Glenville	09302.000022		ALB 103	Precontact and Historic	Late Archaic through Transitional; also 19th and 20th century	no information	
703	Schenectady	Glenville	09302.000023		ALB 104	Precontact and Historic	Normanskill; Late 19th century	Normanskill projectile point; two stone foundation walls	
704	Schenectady	Schenectady	09340.000098		Old Freeman's Bridge Abutments	Historic	19th century	stone walls	
705	Schenectady	Schenectady		4752	ACP STDY No#	Precontact		traces of occupation identified by Parker	
706				7903	ACP STDY No#	Precontact		traces of occupation identified by Parker	
707	Schenectady	Schenectady	09340.000105		Alpha Knitting Mill	Historic	circa 1882-1935	documented location of a knitting mill	
708	Schenectady	Schenectady	09340.000102		Old Erie Canal	Historic	1825-1915	no information	
709	Schenectady	Schenectady	09340.000100		Old D&H Freight Yards			Site form missing - no information	
710	Schenectady	Schenectady	09340.000103		Old Erie Canal Wall	Historic		wall remains associated with the Erie Canal underneath a railroad bridge	
711	Schenectady	Schenectady	09340.001228		Western Gateway Historic Site 1	Historic	Mid 19th century	fill containing ceramics dating from the late 18th though late 19th century, ash, shell, food waste, and bottle glass	undetermined
712	Schenectady	Schenectady	09340.001230		Western Gateway Historic Site 3	Historic	19th century	fill containing ceramics, white ball clay tobacco pipe bowls and stem fragment, glass tumbler and copper alloy utensil handle, food waste	undetermined
713	Schenectady	Schenectady	09340.001229		Western Gateway Historic Site 2	Historic		fill above a metal bracket and gravel surface containing ceramics of various historic periods	undetermined
714	Schenectady	Schenectady		4747	ACP STDY 13	Contact		village and fields identified by Parker	
715	Schenectady	Rotterdam		6479	ACP STDY No#	Precontact		traces of occupation identified by Parker	
716	Schenectady	Rotterdam		6269	No information	No information		no information	
717	Schenectady	Rotterdam	09305.000124	6269	Unnamed Site	No information		no information	
718	Schenectady	Schenectady		7330	Army Depot Vicinity	Precontact	Early Archaic through Late Woodland	projectile points	
719	Schenectady	Rotterdam	09305.000255		Golub Late Archaic Site	Precontact	Late Archaic	projectile point, biface, flakes	
720	Albany	Guilderland		2780	ACP ALBY-23	Precontact		camp site identified by Parker	
721	Albany	Guilderland		2781	ACP ALBY-24	Precontact		village site identified by Parker	
722	Albany	Guilderland		2780	ACP ALBY-23	Precontact		camp site identified by Parker	
723	Albany	Guilderland		340	Covered Bridge	Historic		no information	
724	Bronx	Bronx		713	Clasons Point	No information		no information	

APPENDIX 2: Previous Cultural Resource Surveys

PREVIOUS CULTURAL RESOURCE SURVEYS CONDUCTED WITHIN THE PROJECT'S STDY AREA

Map ID	SHPO ID	County	Municipality	Survey Name	Date	Archeological Testing Conducted	Relevant Results	Address	Conducted By	Comments
1	88	Clinton	Champlain	Phase I Cultural Resources Survey, Proposed Sewer Improvements, Village of Rouses Point	July 2002	Yes	No significant historic deposits were uncovered; no prehistoric material uncovered; no further work recommended	Lake Street, Barnes Street, Maple Street, Pine Street, Champlain Street, US 2 to Lake Champlain	Black Drake Consulting	
2	11	Clinton	Champlain	Rouses Point Bridge Replacement, Rouses Point, NY to Alburg, VT	June 1982	Yes - within NY staging area only	No significant archeological resources encountered	Rouses Point-Allburg Crossing	Department of Anthropology, University of Vermont	
3	56	Clinton	Plattsburgh	Phase IA/IB/II Town of Plattsburgh	June 1997	Yes	No precontact or historic period sites uncovered	Transect 18 - Colligan Point Rd between the point and Bay Road; Transect 19 - Bay Road; Transect 20 - Algonquin Park Road; Transect 21 - Lakeview Drive; Transect 22 - Gravelly Point Road	Curtin Archaeological Consulting	
4	81	Clinton	Plattsburgh	Phase IA Cumberland Head Water District	August 2000	No	Phase IB testing recommended	Parallels nearly all roads in the Cumberland Head peninsula excluding the Rocky Point and Champlain Park areas	Hartgen Archeological Associates	
		Clinton	Plattsburgh	Phase IB Cumberland Head Water District	June 2001	Yes	No precontact materials recovered; 4 historic sites were located, two of which were previously recorded (Not near current Project route). Sites 3 and 4 were found on the west side of CR 57 across the road from Lake Champlain. Both consist of artifact scatters containing domestic debris and architectural material dating from the early 1800s to post 1950. It was recommended that Site 3 either be avoided or that a Phase II site examination take place. Site 4 appeared to have lost contextual integrity and further work and/or avoidance was not recommended.	Parallels nearly all roads in the Cumberland Head peninsula excluding the Rocky Point and Champlain Park areas	Black Drake Consulting	
5	146	Essex	Chesterfield	Additional Phase IB Archaeological Field Testing, Hamlet of Port Kent Water District #1 and Extension #1	June 2009	Yes	Area from Lake Street to the lake was not tested due to prior disturbance from road construction.	Trembleau Rd, South Street, east of Lake Street	Black Drake Consulting	
6	68	Essex	Multiple	Phase IA/IB Archaeological Survey Albany to Canadian Border Fiber Optic Transmission System	April 1998	Yes	One test pit was excavated at the Port Kent project area revealing that the area is deeply filled land; no sites were discovered. No additional testing recommended.		Curtin Archaeological Consulting	
7	48	Essex	Willsboro	Phase II Adsit Cabin Site	Nov 1994	Yes	Retrieval of late 18th and early 19th century materials, contemporary with the first occupation of the Adsit cabin. Site avoidance recommended.	East side of Willsboro Point Road	Hartgen Archeological Associates	
8	129	Essex	Essex	Phase I Village of Essex Sewer Project	Nov 2004				Black Drake Consulting	report missing from SHPO
		Essex	Essex	Phase IB Essex Sewer District	June 2005				Black Drake Consulting	report missing from SHPO

PREVIOUS CULTURAL RESOURCE SURVEYS CONDUCTED WITHIN THE PROJECT'S STDY AREA

Map ID	SHPO ID	County	Municipality	Survey Name	Date	Archeological Testing Conducted	Relevant Results	Address	Conducted By	Comments
9	44	Essex	Essex	Phase IA/IB Bluff Point Subdivision	August 1992	Yes	A known historic foundation as well as areas of historic rock quarrying activity were encountered. Both were already known to the developer and no further testing was recommended.	East side of Main Street approximately 1/4 mile south of the intersection of US 22 and Main St.	Hartgen Archeological Associates	
10	29	Essex	Essex	SEQR Parts 1 and 3 Blockhouse Landing	June 1989	Yes	Late 19th to early 20th century dump uncovered as well as a scatter of artifacts dating from the late 18th to late 19th century. Phase II testing recommended.	East of NYS Route 22	Hartgen Archeological Associates	
11	160	Essex	Westport	Underwater Historic Preserve Feasibility Study of the Lake Champlain Steamboat *Champlain II,* Westport, Essex County	October 1996	Yes	Location, documentation, and data retrieval at the site of the *Champlain II* wreck, a side-wheel steam ship that sank in 1875.	Within Lake Champlain at the southern tip of the Split Rock Mountain Range	Lake Champlain Maritime Museum	
12	120	Essex	Westport	Phase IB Wastewater Treatment and Collection Improvements, Sewer District #1	September 2004	Yes	No significant archeological resources encountered; further testing not recommended.	Main Street and Marks Road	Laurie Rush	
13	130	Essex	Westport	Phase IA/IB Camp Normandie, Kasriel's Property	June 2005	Yes	The Sisco Furnace Site (03116.000008) was encountered and two additional features, a mortared limestone retaining wall and mortared brick wall associated with the furnace, were identified. Further archeological testing was not recommended.	Camp Normandie campus at Furnace Point	Adirondack Archeology	
14	137	Essex	Westport	Phase IA/IB Camp Dudley, YMCA Water System Improvements	June 2006	Yes	One early 19th century archeological site, the Frisbie Farmstead Site (03116.000168) identified. Site avoidance or Phase II site evaluation recommended.	Camp Dudley Road and Frisbee Way	Black Drake Consulting	
15	128	Essex	Westport	Phase IA/IB Lakewood Forests Estates	February 2005	Yes	Identification of a mid to late 19th century stone limestone quarry site (03116.000163). Further archeological testing was not recommended.	East of 9N and 22, along the shore of Lake Champlain south of Cole Bay	John Tomkins III	
16	101	Essex	Moriah	Addendum to Phase I, Village of Port Henry Sewer System Improvements	April 2003	No	Project was located on a landfill established in the mid 20th century. No testing was conducted and none was recommended because there was to be no visual impact to any historic property.		Black Drake Consulting	
17	55	Essex	Crown Point	Phase I In-Water Archaeological Survey in the waters surrounding Crown Point State Historic Site	August 1990	Yes	Area I - remnants of an old pier or caisson for a floating pier located 75 ft from shore. Area II - remains of an earlier steamboat pier structure located; external plank from a large, very old vessel; Northern half of bay - rock fill deposited during the construction of the boat launch and Champlain Bridge; piling and pier feature related to the pre-Champlain Bridge ferry crossing between Crown Point and Chimney Point. Area III - stone-fill remnants of the old French Wharf located, but the lack of wharf or fort-related artifacts suggests that the original 18th century lake bottom is buried under at least 1 to 2 ft of sand sediment. Area 4 - 20th century stone pier located. Entire survey was devoid of small artifacts from the 18th century.	Area I - Coffin Point to Champlain Memorial Point; Area 2 - Champlain Memorial Point to the south side of the Champlain Bridge; Area 3 - North side of the Champlain Bridge west to the wharf of quarried stone North of Crown Point; Area 4 - west from the quarried stone wharf to the eastern end of the Bulwagga Bay railroad causeway.	Lake Champlain Maritime Museum	
18	51	Essex	Crown Point	Preliminary Report on Rescue Excavations Near the Champlain Memorial Lighthouse and Site of the Grenadiers' Redoubt at Crown Point	October 1978, Revised March 1995	Yes	Identification of a mid to late 19th century stone limestone quarry site (03116.000163). Further archeological testing was not recommended.	Near the site of the Grenadiers' Redoubt at Crown Point	Paul R. Huey	

PREVIOUS CULTURAL RESOURCE SURVEYS CONDUCTED WITHIN THE PROJECT'S STDY AREA

Map ID	SHPO ID	County	Municipality	Survey Name	Date	Archeological Testing Conducted	Relevant Results	Address	Conducted By	Comments
19	87	Essex	Crown Point	Archeological Excavations at the Oven Ruins in the French Port at Crown Point State Historic Site	December 1999	Yes	Location and examination of French occupational period oven features	Inside Fort Frederic	Lois M. Feister	
20	97	Essex	Crown Point	Phase IB Lapstone Point, Sites A & B	May 2002	Yes	Location of two sites associated with an early to mid 19th century farmstead	Lapstone Point on the east side of Route 903	Ron Kingsley	
21	138	Essex	Crown Point	Phase IA/IB Archeological Survey, the Flat Site (03102.000172), Monkofsky Property	August 2006	Yes	18th century linear military skirmish feature uncovered; identified as a component of the previously identified Flat Site (A03102.000172). Site avoidance recommended.	Western shore of the Crown Point Peninsula on the Monkofsky property	Hartgen Archeological Associates	
22	28	Essex	Crown Point	Phase I Town of Crown Point Water District No. 2	August 1989	Yes	No sites identified and no additional work recommended	Route 22, Lake Road, Wolcott Ferry Road, Railroad	Charles Vandrei	
23	81	Essex	Crown Point	Phase I Crown Point Water System Improvements	October 2000	Yes	No concentrations of cultural features were observed in the area of Ferry Blvd. No further testing was recommended for the entire project area.	Ferry Blvd., NYS Route 9N	Hartgen Archeological Associates	
24	41	Essex	Ticonderoga	Phase I Proposed Route for a Replacement Pipeline at the International Paper Mill #10	August 1992	Yes	A Snook Kill type projectile point, a scraper, and three machine cut nails were located over the course of the survey; none of which were considered to be significant cultural deposits. No additional work was recommended.	Along the west side of the Delaware and Hudson Railroad tracks	Hartgen Archeological Associates	
25	92	Essex	Ticonderoga	Phase IB Boat Launch Expansion or Relocation Project	August 2001	Yes	A significant amount of late 18th and 19th century artifacts were uncovered. Additional Phase IB testing recommended.		Hartgen Archeological Associates	
		Essex	Ticonderoga	Additional Phase IB and Phase 2 Ticonderoga Boat Launch Reconstruction and Expansion	October 2002	Yes	A prehistoric component was uncovered, along with a 19th century historic component consisting of a refuse midden. It was recommended that these areas either be avoided or a mitigation plan be developed. Underwater survey also conducted within a swath that extended 50 ft from the shoreline. No significant cultural deposits were uncovered underwater.		Curtin Archaeological Consulting	
26	88	Essex	Ticonderoga	History Told From the Depths of Lake Champlain: 1992-1993 Fort Ticonderoga-Mount Independence Submerged Cultural Resource Survey	May 2000	Yes	Location and recovery of Revolutionary War artifacts located within Lake Champlain in the vicinity of Fort Ticonderoga and Mount Independence, between Larrabees Point and Chipmans Point. Fifteen shipwrecks, 21 caissons, and 9 archeological features were identified.	Lake Champlain between Larrabees Point and Chipmans Point	Lake Champlain Maritime Museum	
	159	Essex	Ticonderoga	The 1992 Fort Ticonderoga - Mount Independence Submerged Cultural Resource Survey	May 1995	Yes	Identification of the Mount Independence Submerged Archaeological District, which contains one of the richest collections of Revolutionary War material ever located. A second phase of the project focused upon documenting the "great bridge" that once connected Orwell, VT and Ticonderoga, NY. Twenty-one of twenty-two caissons were located in stable condition.	Lake Champlain between Larrabees Point and Chipmans Point	Lake Champlain Maritime Museum	
		Essex	Ticonderoga	Ticonderoga's Floating Drawbridge; 1871-1920.	May 1995	Yes	Location and identification of the former Addison Branch Railroad Crossing between Ticonderoga and Larrabees Point as well as two shipwrecks (an 1888 drawboat and an 1871 drawboat).	Lake Champlain between Ticonderoga and Larrabees Point	Lake Champlain Maritime Museum	

PREVIOUS CULTURAL RESOURCE SURVEYS CONDUCTED WITHIN THE PROJECT'S STDY AREA

Map ID	SHPO ID	County	Municipality	Survey Name	Date	Archeological Testing Conducted	Relevant Results	Address	Conducted By	Comments
27	78	Washington	Whitehall	Phase I Narrows of Lake Champlain Federal Channel and Cooke's Island	January 2001	Yes	Cooke's Steam Mill site identified; site avoidance recommended.	Between North and South Rock on Cooke's Island	PanAmerican Consultants, Inc.	
	105	Washington	Whitehall	Phase I Cooke's Island	January 2005	Yes	Four prehistoric sites were identified (11517.000061-64) along with a historic stone foundation (11517.000065). Further archeological investigation was recommended at all five sites.	Cooke's Island	PanAmerican Consultants, Inc.	
28	29	Washington	Whitehall	Cultural Resources Survey of BIN 4-41802-0, Saunders Street Over the Champlain Canal	Nov-85	No	Subsurface testing not conducted. Because the bridge is eligible for the National Register and the surrounding area is considered a National Register Listed Historic District it was recommended that the bridge be rehabilitated and stabilized rather than removed.	Saunders Street over Champlain Canal	Barbara Ross	
29	76	Washington	Whitehall	Stage I Whitehall Wastewater Sewer Improvements	Nov-00	Yes	N/A	South of Brookly Road	Public Archaeology Facility	
		Washington	Whitehall	Addendum Letter Report, Phase IB Whitehall Wastewater Treatment Project, Wastewater Pump Station	September 2002	Yes	N/A	North side of North Williams Street	Hartgen Archeological Associates	
30	70	Washington	Multiple	Phase IA/IB Archaeological Survey Albany to Canadian Border Fiber Optic Transmission System	April 1998	Yes	Whitehall project area appears to have been graded and filled. No additional testing recommended.	D&H Railroad Yard in Whitehall	Curtin Archaeological Consulting	
31	95	Washington	Whitehall	Phase IB Champlain Canal Recreation Improvements	August 2004	Yes	Discarded quarry waste from the construction of the canal or from later filling was uncovered within Area 1, however it was not considered to be a significant resource. No further testing was recommended.	Area 1 - Skenesborough Blvd and Riverside Drive; Area 2 - located between the Champlain Canal and South Williams Street.	Hartgen Archeological Associates	
32	32	Washington	Fort Ann	Phase IB Great Meadows Prison Expansion Site	May 1984				New York State Museum	report missing from SHPO
		Washington	Fort Ann	Phase II Great Meadows Prison Expansion Site	May 1984	Yes	The Hurd House Site (ca 1860-1920) was identified, however it was not found to be a significant unique resource. Further testing was not recommended at the Hurd House Site. The 1834 Canal Village Archeological District, the early 19th century Village of Smith's Landing, was also identified. Considered to be historically and archeologically significant, it was recommended that the entire village area be preserved.	North of Route 22 along Lock 11 Road	New York State Museum	
33	12	Washington	Fort Ann	PIN 1130.26.121 Bridge Replacement	November 1980	No	N/A	Route 22 Bridge over Champlain Canal in Comstock	New York State Museum	
34	117	Washington	Kingsbury	Phase I PIN 1940.97.101, BIN 4-41808-0, Baldwin Corners Road Over the Champlain Barge Canal	March 2007	Yes	No archeological sites were found during the course of the survey and no further archeological work was recommended.	Baldwin Corners Road over the Champlain Barge Canal	New York State Museum	
35	72	Washington	Kingsbury	Phase IA The 720-Acre Smiths Basin Site	January 1995	No	N/A	Adjacent to the east side of the Champlain Barge Canal and North of NYS Route 149	Hartgen Archeological Associates	

PREVIOUS CULTURAL RESOURCE SURVEYS CONDUCTED WITHIN THE PROJECT'S STDY AREA

Map ID	SHPO ID	County	Municipality	Survey Name	Date	Archeological Testing Conducted	Relevant Results	Address	Conducted By	Comments
36	20	Washington	Kingsbury	Phase I BIN 4038470, CR 149 Over the Champlain Canal	March 1984	Yes	Identification of a limestone-walled feeder channel; determined to be National Register eligible and avoidance was recommended.	County Route 149 over the Champlain Canal in Smith's Basin	New York State Museum	
37	22	Washington	Kingsbury	PIN 1024.02, Route 196 Bond Creek to Adamsville	March 1984	Yes	Subsurface testing near Wood Creek and the Champlain Barge Canal did not yield any evidence of historic or precontact period sites.	Route 196 from Bond Creek to Adamsville	New York State Museum	
		Washington	Kingsbury	PIN 1024.06.121, Route 196 D & H Railroad and Bond Creek	1993	Yes	Testing indicated an absence of precontact and historic resources; further testing was not recommended.	Route 196, Crowley Road, Towpath Road		
38	200	Washington	Fort Edward	Additional Phase I and Phase II Sediment Processing / Transfer Facility /Hudson River PCBs Superfund Site	January 2005	Yes	No significant archeological resources were identified. No further testing recommended.	East of the Hudson River along the west side of the Champlain Canal	PanAmerican Consultants, Inc.	
	200	Washington and Saratoga	Fort Edward and Moreau	Underwater Archaeological Survey Report: Addendum II to Archaeological Resources Assessment Report for Phase I Dredge Areas, Hudson River PCBs Superfund Site	October 2005	Yes	11 underwater resources identified, including 8 vessels, one potential landing, one potential slipway, and one wharf. Additional data needed for all resources.	Hudson River from River Mile 190 to 195	URS Corporation	
	200	Washington and Saratoga	Fort Edward and Moreau	Terrestrial Archaeological Survey and Testing Report: Addendum I to Archaeological Resources Assessment Report for Phase I Dredge Areas, Hudson River PCBs Superfund Site	February 2006	Yes	Several sections of shoreline adjacent to the dredging areas were tested and two sections of shoreline were found to contain terrestrial archeological sites. These included the 18th century site of Fort Edward and an intact deposit of precontact and historic period materials on the west bank of the river south of Rogers Island. URS concluded that the dredging would not impact either of these sites.	Along Hudson River from Rogers Island to the south of Griffin Island	URS Corporation	
	200	Rensselaer and Saratoga	Waterford and Troy	Phase I for the Hudson River PCB Superfund Project and Phase II at the Dickerson Street Site and Water Works Site	June 2008	Yes	Four archeological sites were encountered, three of which are near the Hudson River. These sites include - the Second Street Precontact Site (09145.000745), the Waterford Water Works Precontact Site (09145.000747), and the Dickerson Street Precontact Chert Quarry Site (08340.001736). Phase II and III investigations were recommended.	Route 4 to Second Street in Waterford, crosses Hudson River, intersection of River Road and Roosevelt Ave. in Troy, River Road, 126th St., 3rd Ave.	Hartgen Archeological Associates	
38	200	Washington	Fort Edward	Phase I for the Proposed Containment Site 10, Hudson River PCB Reclamation Project	September 1981	Yes	Thirteen cultural resources were identified, including historic dump sites, old barns, the Champlain Canal and associated bridge, foundation remains, and three potential precontact sites. Stage 2 testing was recommended.	Extends east of the Hudson River and is located North of Carey Road	Hartgen Archeological Associates	
39	122	Washington	Fort Edward	Phase I PIN 1941.08.121 East Street Bridge	February 2007	Yes	No significant artifact concentrations, historic, or precontact period features were encountered. No additional work recommended.	East Street Bridge over the Champlain Barge Canal	New York State Museum	
40	103	Washington	Fort Edward	Phase IA PIN 1089.57.122, US 4/Broadway	January 2001	No	The areas nearest the Champlain Barge Canal and the D & H Railroad underpass near Notre Dame Street in Fort Edward were determined to have a low sensitivity due to extensive disturbance by modern construction. Further testing was not recommended in either of those areas.	US 4 from just south of the intersection of US 4 and NY 197 south to the Champlain Canal crossing	New York State Museum	

PREVIOUS CULTURAL RESOURCE SURVEYS CONDUCTED WITHIN THE PROJECT'S STDY AREA

Map ID	SHPO ID	County	Municipality	Survey Name	Date	Archeological Testing Conducted	Relevant Results	Address	Conducted By	Comments
41	84	Washington	Fort Edward	Phase I The Idle Hour Club	July 2001	Yes	No archeological sites were found during the course of the survey and no further archeological work was recommended.	Southern part of Rogers Island	Curtin Archaeological Consulting	
42	350	Saratoga	Moreau	Phase I DEC-8-Moreau, Moreau Boat Launch Project, West River Road	May 2008	Yes	Precontact period artifacts were recovered from the entire project area, while concentrations of historic artifacts were found at the northern end of the project area. The Area L Site (09113.000072) was encountered. Data recovery was recommended.	West side of the Hudson River south of Rogers Island	Public Archaeology Facility	
43	328	Saratoga	Moreau	Phase II Jones/Rogers Site, Associated with the Work Support Marina, Hudson River PCBs Superfund Site	October 2007	Yes	Portions of the project area were deeply disturbed by modern cut and fill activities, but other portions contained intact precontact and historic period archeological artifacts and features. These resources were determined to be a part of the Jones/Rogers Site (09113.000059). URS recommended that both components of the site be eligible for listing on the National Register of Historic Places.	West bank of the Hudson River, west of Rogers Island	URS Corporation	
79	177	Albany and Rensselaer	Multiple	Phase I Fiber Optic Cable, Berkshire Connector, Albany and Rensselaer Counties	June 1999	Yes	No subsurface features were found within the areas that could be tested. Artifacts found did not suggest intensive activity areas. Areas that were obviously disturbed were not tested. Archeological monitoring was recommended for the portions of the project area that pass beneath the streets of the City of Albany. No other testing was recommended.	Begins at 9J south of Casleton on Hudson, and follows 9J North and crosses the Hudson River at the City of Rensselaer, follows Eagle, State, and Swan Streets in Albany to 99 Washington Avenue.	TRC Environmental Corporation	
83	245	Albany	Bethlehem	Phase IB Bethlehem Water Supply Line	February 2002	Yes	No natural soils or archeological deposits were identified. No further archeological investigations were recommended.	West bank of the Hudson River, approximately 2,000 ft south of the Vloman Kill	Hartgen Archeological Associates	
84	182	Albany	Bethlehem	Phase I Bethlehem Water District, 800 ft. Utility Line Corridor, Schermerhorn Island	August 1999	Yes	No precontact or early historic cultural resources were encountered. No further archeological testing was recommended.	Adjacent to the Hudson River on Schermerhorn Island	Hartgen Archeological Associates	
85	4	Rensselaer	Castleton-On-Hudson	Phase I Village of Castleton-On-Hudson Wastewater Facility Project	May 1997	Yes	Insignificant amounts of precontact and historic materials recovered; none of which are concentrated into site areas. None of the areas surveyed warranted additional research.	Village of Castleton-On-Hudson	Cynthia Blakemore and Karen Hartgen	
86	192	Rensselaer	Castleton-On-Hudson	PIN 1932.28.121, Route 9J Multi-Use Path	March 2005	Yes	The Castleton Landings Site (NYSM 11599, 08343.000058), the remains of 19th and 20th century man-made riverfront landings, was encountered. With the exception of the Castleton Landings Site, none of the remainder of the project area warrants further archeological investigation.	Route 9J from Route 150 to Green Avenue	New York State Museum	
		Rensselaer	Castleton-On-Hudson	Phase II Upper Castleton Landing Site, PIN 1923.76.121, Rte 9J Multi-Use Path	March 2007	Yes	A feature representing the initial construction and use of the landing during the mid to late 19th century was encountered. Avoidance or Phase III mitigation of the site was recommended.	Route 9J from Route 150 to Green Avenue	New York State Museum	

PREVIOUS CULTURAL RESOURCE SURVEYS CONDUCTED WITHIN THE PROJECT'S STDY AREA

Map ID	SHPO ID	County	Municipality	Survey Name	Date	Archeological Testing Conducted	Relevant Results	Address	Conducted By	Comments
87	92	Rensselaer	Schodack	Phase I Castleton Island State Park	February 1998	Yes	A historic feature consisting of a mortared brick (08313.000272) floor or walkway was encountered near the Montauk Ice House Site (08313.000252) and that portion of the project area was considered sensitive to the presence of historic cultural resources. Additional testing was recommended to determine the association between the feature and the ice house site.	Castleton Island State Park along the east shoreline of the Hudson River	Hartgen Archeological Associates	
		Rensselaer	Schodack	Addendum Phase I Wetland Mitigation Areas 1 & 2, Schodack Island State Park	August 1999	Yes	No precontact or significant historic cultural materials were encountered within Area 2 (the area nearest the Hudson River) and no further archeological testing was recommended for this portion of the project area.	Area 1 is located along the east shore of Lower Schodack Island near Hells Gate; Area 2 is located along the western shore of Upper Schodack Island along the east shoreline of the Hudson River	Hartgen Archeological Associates	
		Rensselaer	Schodack	Phase IB Monitoring Wetland Mitigation Area and Boat Launch Installation, Schodack Island State Park	August 2001	Yes	No precontact or historic cultural materials were encountered and further testing was not recommended.	West shore of Upper Schodack Island on the main channel of the Hudson River	Hartgen Archeological Associates	
		Rensselaer	Schodack	Phase II Access Road, Schodack Island State Park	September 2000	Yes	The brick wall feature encountered during the February 1998 testing was identified as a temporary shed or shelter constructed during the early 20th century and not the remains of an ice house. Further testing was not recommended.	Along the central portion of the access road leading into Schodack Island State Park	Hartgen Archeological Associates	
88	140	Rensselaer	Schodack	Addendum Report Archeological Monitoring Investigation, Schodack Island State Park, Comfort State Building, Water Treatment Building and Water Line Excavations	March 2002	Yes	No features or significant cultural deposits were encountered and further testing was not recommended.	West side of Upper Schodack Island	Hartgen Archeological Associates	
89	12	Greene	New Baltimore	Archeological Impact Evaluation, Stage One Survey, Town of New Baltimore: Sewer Facilities	November 1982	Yes	The partially intact foundation of a mid to late 19th century structure, identified as a steamboat office, was encountered near the northern end of the project area. Avoidance of the foundation was recommended.	New Baltimore waterfront area near Mill Street	Hartgen Archeological Associates	
90	69	Greene	New Baltimore	Cultural Resources Investigation, Ice Harvesting Industry Remains Located on Property Belonging to the U.S. Army Corps of Engineers New York District	May 1999	Yes	The remains of three 19th century ice house complexes including the site of the Van Orden, Vanderpoel, and Sherman Ice House (03912.000113), were encountered. Evidence of the former ground surface at the sites was found. It was recommended that a buffer zone surrounding each site be utilized as a protective measure.	Schodack-Houghtaling Island	U.S. Army Corps of Engineers	
91	4	Greene	Coxsackie	Phase IA Village and Town of Coxsackie and Environs, Wastewater Facility Planning Project	January 1979	No	All areas east of the Heldeberg escarpment were found to be sensitive for precontact resources. Additionally, several areas were identified as sensitive for historic resources, including the locations of several stone and brick Dutch homes and outbuildings still standing in Coxsackie.	The eastern portion of the Town of Coxsackie	Ronald H. Laberge	

PREVIOUS CULTURAL RESOURCE SURVEYS CONDUCTED WITHIN THE PROJECT'S STDY AREA

Map ID	SHPO ID	County	Municipality	Survey Name	Date	Archeological Testing Conducted	Relevant Results	Address	Conducted By	Comments
92	61	Columbia	Stuyvesant	Phase 1 Improvements to the Hudson River National Estuarine Research Reserve Property at Nutten Hook	February 1996	Yes	Five previously unknown precontact sites (including 02117.000094, 97, and 98) were encountered and a scattering of historic cultural material was found along Ice House Road. Avoidance or Phase II testing of the precontact sites was recommended.	Northernmost portion of the Hudson River National Estuarine Research Reserve, west of Route 9J	Hartgen Archeological Associates	
		Columbia	Stuyvesant	Phase II and Additional Phase IB of Five Prehistoric Sites at the Hudson River National Estuarine Research Reserve	July 1996	Yes	A sixth precontact site (02117.000099) was encountered during the additional Phase IB. The Phase II study revealed that several different types of precontact period sites were present within the Nutten Hook property and that the area may once have been an island. It was recommended that the entire property be considered a precontact archeological district and nominated to the National Register of Historic Places.	Northernmost portion of the Hudson River National Estuarine Research Reserve, west of Route 9J	Hartgen Archeological Associates	
93	132	Greene	Coxsackie	Phase IB - Four Mile Point Preserve	June 2008	Yes	Further examination of the foundation remains of a 19th century ice house (03905.000111) and the Four Mile Point Precontact Site (03905.000109), both first encountered during the February 1993, HAA, Inc. study. The precontact period site was found to contain a bifacial lithic tool production workshop dating to the Late Archaic Period. The ice house foundations were mapped in more detail and additional foundation walls were uncovered. Further archeological testing was not recommended as the project would avoid impacting the sites.	Four Mile Point Road	Black Drake Consulting	
94	48	Greene	Coxsackie	Phase 1 Four Mile Point Preserve	February 1993	Yes	Two loci of historic cultural materials (03905.000110 and 111) and a large area of precontact activity (03905.000109) were encountered. The historic deposits dated from the mid to late 19th century. The precontact deposits were identified as representative of a large area of cultural activity, specifically as a lithic tool production workshop, and it was recommended that they either be preserved or tested further.	Western shoreline of the Hudson River, approximately 4,500 ft North of the Four Mile Point light	Hartgen Archeological Associates	
95	88	Greene	Athens	Cultural Resources Investigation and Remote Sensing Survey of the Hudson River at Athens Navigation Project	May 2002	Yes	Three magnetic anomalies and two sidescan targets (all located North of the Champlain-Hudson transmission line route) were identified as possible shipwreck sites. An inspection of near shore wrecks in the general vicinity revealed that a number of 19th century vessels involved in the ice trade sank in the area and it was possible that the targets identified were also associated with the 19th century ice trade. Avoidance of the targets or further study was recommended.	Within the Hudson River between Middle Ground Flats and the City of Athens	PanAmerican Consultants, Inc.	
	98	Greene	Athens	Phase II Underwater Inspection of Targets in the Athens Channel As Part of the Athens Navigation Project	September 2002	Yes	Of the five targets identified in the May 2002 study, three could not be located, one was determined to be the remains of a series of pilings along with trash and debris, and one was determined to be the remains of a 19th century canal barge-type vessel.	Within the Hudson River between Middle Ground Flats and the City of Athens	PanAmerican Consultants, Inc.	
96	73	Greene and Columbia	Athens and Greenport	Phase IB Proposed Telergy Fiber Optic Cable Route; Phase IB and Limited Phase II Telergy/Albany to Pleasant Valley Fiber Optic Cable Line Project	March 1999/ November 1999	Yes	No cultural resources were encountered near the Hudson River component, however archeological monitoring of any trenching was recommended by Collamer & Associates.	parallels an existing Niagara Mohawk power line right-of-way within the Towns of Hudson and Pleasant Valley	PanAmerican Consultants, Inc./Collamer & Associates, Inc.	

PREVIOUS CULTURAL RESOURCE SURVEYS CONDUCTED WITHIN THE PROJECT'S STDY AREA

Map ID	SHPO ID	County	Municipality	Survey Name	Date	Archeological Testing Conducted	Relevant Results	Address	Conducted By	Comments
97	7	Greene	Catskill	Phase I Greene County Nuclear Power Plant Site	January 1978	Yes	Five precontact activity areas and several historic sites relating to several early industries, including farming, ice making, mushroom growing, and cement production, were encountered.	Bounded by the Hudson River, SR 9W, the Lehigh Cement Company, the Marquette Cement Company, and the Alpha Cement Company	Karen S. Hartgen, Edward R. Kozacek	
99	5	Greene	Cementon	Phase I Hamlet of Cementon Sewer System	May 1979	Yes	The foundations for a late 19th to early 20th century bar room and movie theatre and a late 19th century store were recovered. Construction would not impact the foundations and further testing was not recommended.	Multiple streets within Hamlet of Cementon	Hartgen Archeological Associates	
100	31	Greene	Catskill	Phase I Alsen Coal Terminal	April 1985	Yes	No cultural materials were recovered within the project area and further work was not recommended.	North of Alpha Road	Jeanette Collamer	
101	26	Ulster	Saugerties	Phase IB Eastern Park of Saugerties Township	July 1981	Yes	Four sites were identified including the possible foundation remains of the Bigelow Blue Stone Co. (11115.000013) a bluestone paved road, structural remains associated with the Washburn Brothers Co. Brickyard (11115.000015), and a precontact site.	Malden, Glasco and Mount Marion Park	Hartgen Archeological Associates	
		Ulster	Saugerties	Stage II Washburn Brothers Company Brickyard	July 1982	Yes	The industrial portion of the site was found to be lacking in integrity; however, archeological deposits relating to the occupation of the site by the brickyard employees could provide information about workers' lifestyle.	Within Hamlet of Glasco	M.J. Engineering	
102	392	Dutchess	Red Hook	Phase I Teviot Estate Site, Woods Road	February 2009	Yes	Prehistoric materials (i.e. debitage and a possible broken tool fragment) as well as several small fragments of 19th century transfer print whiteware were recovered. None of the finds were considered to be significant and further testing was not recommended.	Woods Road	City/Scape: Cultural Resource Consultants	
103	57	Ulster	Saugerties	Phase I River Edge Estates	September 1987	No	Thirty-six archeological contexts containing precontact artifacts were encountered during a walk-over, indicating that a wide range of subsistence activities occurred at the property. The property was identified as containing a short-term camp utilized during the Late Archaic and Early to Middle Woodland periods. Late 19th and early 20th century materials associated with a brickyard and worker housing were also recovered.	NYS Route 32	Hartgen Archeological Associates	
104	176	Ulster	Kingston and Ulster	Phase I The Landing at Kingston and Ulster	June 2005	Yes	A mule barn and square brick chimney were determined eligible for listing on the National Register. Deep testing around these structures was recommended.	South of East Kingston	Columbia Heritage, Ltd	
105	168	Ulster	Kingston	Phase I Sailors' Cove on the Hudson	July 2004	Yes	Three shipwrecks, all brick barges, were identified along the waterfront. All three are considered eligible to the National Register of Historic Places as contributing structures to the brickyard complex. Mitigation was recommended.	Along North Street between Lindsley Avenue and the Hudson River	Joseph E. Diamond	
106	152	Dutchess	Hyde Park	Phase I OGS #36622-C, Replace Water Distribution System, Mills-Norrie State Park	June 1999	Yes	A bifacially worked scraper and two quartzite flakes were recovered; however, upon further investigation no other precontact resources were encountered. It was concluded that the soil within which the precontact materials were found was brought to the area after 1876 to form an embankment. No further work was recommended.	Mills-Norrie State Park	New York State Museum	

PREVIOUS CULTURAL RESOURCE SURVEYS CONDUCTED WITHIN THE PROJECT'S STDY AREA

Map ID	SHPO ID	County	Municipality	Survey Name	Date	Archeological Testing Conducted	Relevant Results	Address	Conducted By	Comments
107	310	Dutchess	Hyde Park	Phase I Campobello Subdivision	February 2005	Yes	Two precontact sites (Locus 2 - 02707.000567 - consisting of Normanskill chert flakes and Locus 1 - 02707.000568 - consisting of a chert core) were identified along a western lower terrace overlooking the Hudson River. Avoidance or a Phase II investigation was recommended for these two sites.	Yacht Club Road between US 9 and Hudson River	Hartgen Archeological Associates	
		Dutchess	Hyde Park	Phase II Precontact Loci 1 and 2, Campobello Subdivision	April 2006	Yes	Locus 1 was determined to be a singular find and no further testing was recommended. Phase II testing at Locus 2 revealed a unique and specialized tool assemblage that was interpreted as the remains of a small seasonal fish processing station. However, Locus 2 had been disturbed, reducing its eligibility status. No further testing was recommended at Locus 2.	Yacht Club Road between US 9 and Hudson River	Hartgen Archeological Associates	
108	42	Dutchess	Hyde Park	Phase I Fisherman's Road	November 1985	Yes	No cultural materials were encountered and no additional work was recommended.	Fisherman's Road	Pfeiffer Archaeological Consulting	
109	280	Dutchess	Hyde Park	Phase I Frydman Property	February 2005	Yes	No archeological sites were identified within the project area; however, the NRE Huyler Rock Shelter (02707.000442) is partially located within the property. It was recommended that the rock shelter be designated as an environmentally sensitive area.	110 Raymond Road	Hartgen Archeological Associates	
110	192	Dutchess	Hyde Park	Phase I Rivers Edge Subdivision	July 2001	Yes	Cultural materials were not encountered within the project area and further archeological investigation was not recommended.	Between Conrail and Fuller Lane Extension	Hartgen Archeological Associates	
111	364	Dutchess	Hyde Park	Phase I Culinary Institute of America Future Campus Expansion Property	August 2007	Yes	A historic site associated with a previously identified mortared stone and concrete foundation was documented in the northeastern portion of the project area (out of the range of the search radius). Within the western portion of the project area a small precontact prospect site was encountered along a shale outcrop and a scattering of historic material was recovered. Further work was not recommended for this area.	Culinary Institute of America campus, between Route 9 and Conrail	Hartgen Archeological Associates	
112	46	Dutchess and Ulster	Poughkeepsie, Hyde Park, Lloyd	Phase IA Second Mid-Hudson Bridge Crossing	unknown	No	Areas A, B, and D were found to have a moderate probability of containing precontact sites, while Area C was found to have a low probability. Areas A, B, and D were found to have a low probability of containing historic sites, while Area C was found to have a moderate probability.	Ulster County - Area B: North of Clearwater Road, swath extends from 9W to Hudson River; Area D: US44/SR 55 ramp between tollgate and Mid-Hudson Bridge; Dutchess County - Area A: Along Route 9 between West Dorsey Lane and Clearwater Drive; Area C: along Route 9 south of Wheaton Park to Vassar Brothers Hospital	New York State Museum	
113	7	Ulster	Lloyd	Archeological Impact Evaluation Town of Lloyd Wastewater Facilities	June 1977	No	Study indicated that a number of historic sites would be adversely affected by the proposed project. A stage two survey was recommended to document each site.	Highland Landing area	Mary Ivey and Gary Berg	
114	265	Dutchess	Poughkeepsie	Phase I Marist College Longview Park	April 2001	Yes	The construction and demolition of the original Poughkeepsie water treatment plant was documented; however, no historic or precontact cultural resources were identified. Further testing was not recommended.	Marist College Campus, west of Conrail	Jay R. Cohen, Inc.	

PREVIOUS CULTURAL RESOURCE SURVEYS CONDUCTED WITHIN THE PROJECT'S STDY AREA

Map ID	SHPO ID	County	Municipality	Survey Name	Date	Archeological Testing Conducted	Relevant Results	Address	Conducted By	Comments
117	297	Dutchess	Poughkeepsie	Phase II Poughkeepsie Waterfront Redevelopment Project, The Southwick Tannery Site	July 2005	Yes	Three structures, the main tanning house, a small office, and the horn house of the W.A. Southwick Tannery Site (02740.000866) were identified and found to have retained significant amounts of data regarding the physical layout and functioning of the tannery. It was concluded that the site was likely eligible for listing on the National Register.	Between Rinadli Blvd and the Hudson River	Hartgen Archeological Associates	
118	40	Dutchess	Poughkeepsie	Phase I IBM Poughkeepsie North 100	April 1986	Yes	A precontact locus (Area A) and a rock outcrop were identified.	IBM property north of Hudson Harbor Drive between US 9 and Hudson River	Heartfield, Price, and Greene, Inc.	
119	162	Ulster	Marlborough	Phase I Milton Rail Station	April 2002	Yes	Backhoe trenches revealed several layers of mixed fill associated with late 19th century railroad activity. Evidence of earlier occupation of the project area was destroyed during the late 19th and early 20th centuries by activities as the rail station.	Between Dock Road and Watson Avenue	Hartgen Archeological Associates	
120	145	Dutchess	Poughkeepsie	Phase I Clinton Point Quarry Mining Permit Areas	December 1992	Yes	No sites identified and no additional work recommended	Between Camelot Road and the Hudson River	Heritage America, Ltd.	
121	146	Dutchess	Wappingers	Phase IB Riverview/DCC1 Site	January 1999	Yes	The Riverview/DCC1 site, a precontact period site, was identified. A Phase II archeological survey was recommended to evaluate the extent of precontact activity at the site.	Bowdoin Park	Dutchess Community College	
122	186	Orange	Newburgh	Stage II Anchorage-on-the-Hudson Development	August 1995	Yes	Anchorage-on-the-Hudson Sites 1 (07114.000094), 3 (07114.000095), 4, and 5 identified. Site 1 was identified as the remains of the mid 19th century Clark residence and further testing at this site were recommended. Site 3 was identified as the remains of a Late Archaic camp occupied for a brief period of time on various occasions; however, plowing and clearing had impacted the integrity of the site and further testing was not recommended. Site 4 consists of a stone foundation wall and the stubs of two adjacent walls associated with a 19th century barn; the structure was found to have no archeological integrity and further testing was not recommended. Site 5 consists of the remains of an early 20th century brick well and outbuilding; little cultural material was found associated with these features and further testing was not recommended.	South of Roseton between River Road and the Hudson River	Heritage America, Ltd.	
123	121	Dutchess	Wappinger, East Fishkill, and Pleasant Valley	SEQR Parts 1 & 3 Mahopac-Poughkeepsie to Roseton Gas Transmission Line and Mahopac-Poughkeepsie to Iroquois TAP Transmission Line	March 1991	Yes	Two loci containing precontact cultural material were identified. Locus A, located on a bluff overlooking the Hudson River, included flakes, fire-cracked rocks, and one uniface. Locus B, located near River Road, consisted of two chert flakes and a historic bone fragment. No additional archeological investigation was recommended.	Extends from the east shore of the Hudson north of River Road North northwest	Hartgen Archeological Associates	
124	609	Orange	Newburgh	Phase IA Central Hudson Gas & Electric Corporation, Remediation at Former Gas Manufacturing Site	July 2009	No	Several underwater features identified within the Hudson River including two 19th century dock/wharfs, a sunken steel vessel likely dating to the 20th century, and a feature identified as a possible dock, debris, or sunken wooden vessel of unknown age and association. Additional documentation of the sunken vessels was recommended.	East of railroad into Hudson River between South William Street and Overlook Place	Hartgen Archeological Associates	
125	15	Orange	Newburgh	PIN 8117.00 Newburgh Riverfront Arterial	unknown	No	Several sites were identified in the vicinity of the project area, including Site 23 - the 18th century Village of Old New Windsor (07115.000108).	South of Newburgh, between River Road and Hudson River	New York State Museum	

PREVIOUS CULTURAL RESOURCE SURVEYS CONDUCTED WITHIN THE PROJECT'S STDY AREA

Map ID	SHPO ID	County	Municipality	Survey Name	Date	Archeological Testing Conducted	Relevant Results	Address	Conducted By	Comments
126	202	Orange	New Windsor	Phase I Interpretive/Visitors Center, Kowawese Unique Area at Plum Point	July 1997	Yes	Late 19th to mid 20th century ceramic, glass and iron artifacts were recovered. The remaining earthen gun supports associated with Col. Machin's Revolutionary War Battery were identified; however, no other evidence of 17th or 18th century occupation was found. Further testing was not recommended, but it was recommended that a temporary fence be installed to protect the Revolutionary War battery.	Sloop Hill Unique Site Area, east of Plum Point Lane	Heritage America, Ltd.	
127	91	Putnam	Philipstown	Warner House	November 2004	Yes	Testing carried out at the dry well at the Warner House Porch yielded a high-density of historic material indicating the 18th through 20th century occupation of the location and a moderate density of precontact material, which indicated that Late Archaic and Middle Woodland cultures occupied the area. No further work was recommended.	On Constitution Island	Alexander Archaeological Consultants, Inc.	
128	551	Orange	Highland	Phase I Buffalo Soldiers Field	January 2008	Yes	Subsurface excavations were unable to penetrate the fill deposits and find potentially intact soils. No archeological sites were identified. Archeological monitoring during construction was recommended.	Between Thayer and Swift Roads	Alexander Archaeological Consulting, Inc.	
129	220	Westchester	Cortlandt	Phase I Camp Smith Training Site	August 1996	No	Two previously documented precontact sites and 15 previously documented historic sites are contained within Camp Smith.	New York State Military Reservation south of Westchester/Putnam County line	Parsons Engineering Science, Inc.	
130	31	Rockland	Stony Point	PIN 8752.64, Iona Island Access Road	unknown	Yes	Significant precontact or historic cultural materials were not located during the survey and further testing was not recommended.	Iona Island along railroad	New York State Museum	
131	315	Westchester	Sleepy Hollow	Phase IA Lighthouse Landing at Sleepy Hollow	October 2006	No	Due to disturbance within the project area, it was determined to lack both precontact and historic archeological potential; no further archeological investigation was recommended.	Beekman Avenue and River Street	City/Scape: Cultural Resource Consultants	
132	111	Westchester	Greenburgh	Phase III Archaeological Excavation of the Wicker's Creek Site	unknown	Yes	The Wicker's Creek precontact site was found to represent a large number of relatively short term occupations occurring in the fall and lasting from the Late Archaic through the Late Woodland Periods. The primary reason precontact people lived at the site was the availability of oysters. Further testing and/or preservation at the site were not recommended.	Landing Drive	Greenhouse Consultants, Inc.	
133	313	Westchester, Bronx, and New York	Yonkers, Bronx, New York	Phase IA M29 Transmission Line Project	July 2006	No	Study found it highly unlikely that any intact archaeological deposits remained due to extensive disturbances by utility services. Further testing was not recommended.	Extends from I-87, Exit 6 west to Saw Mill Road, south on Saw Mill Road to Nepperhan Avenue, south on Riverdale Ave, east on W 230th St, south on 10th Avenue to Academy Street	TRC Environmental Corporation	
		New York	New York	Evaluation of Prior Disturbance and Archeological Sensitivity of the Area of Potential Effect Associated with the Manhattan Portion of the M-29 Transmission Line Project	February 2008	No	Study found it unlikely that any upper strata survived intact due to extensive grading and excavation within the project area. Further archeological testing was not recommended.	Extends from I-87, Exit 6 west to Saw Mill Road, south on Saw Mill Road to Nepperhan Avenue, south on Riverdale Ave, east on W 230th St, south on 10th Avenue to Academy Street	John Milner Associates, In.c	

PREVIOUS CULTURAL RESOURCE SURVEYS CONDUCTED WITHIN THE PROJECT'S STDY AREA

Map ID	SHPO ID	County	Municipality	Survey Name	Date	Archeological Testing Conducted	Relevant Results	Address	Conducted By	Comments
134	271	Westchester	Yonkers	Phase IB Peene's Wharf	August 2004	Yes	Despite being anticipated, no remains of the original Peene's Pier (11940.001089) were encountered. Instead foundation walls dating to the late 19th and early 20th centuries were encountered; but no intact strata relating to these foundations was found. One or more sunken vessels (11940.001090) were found within the Saw Mill River, but would not be affected by the project. Further archeological work was not recommended.	West of the Metro-North Railroad and north of the confluence of the Saw Mill and Hudson Rivers	Hunter Research	
135	336	Westchester	Yonkers	Phase IA Yonkers Redevelopment Project	February 2008	No	Several sections of the project area were found to have a high potential for the recovery of historic archeological materials dating to the 17th, 18th, and 19th centuries. Additional archeological testing in the form of trenching was recommended.	Multiple streets within downtown Yonkers	Hartgen Archeological Associates	
136	345	Westchester	Yonkers	Warburton Riverview Workforce Housing Project	September 2007	No	The project area was found to have a high potential for the recovery of historic archeological materials and backhoe trenching was recommended to search for evidence of sub-surface features such as cisterns and privies associated with domestic and commercial activities in Yonkers.	Between Woodworth and Warburton Avenues	Greenhouse Consultants, Inc.	
137	148	Westchester	Yonkers	Archaeological Testing at Philipse Manor Hall	March 1996	Yes	Archeological testing revealed at the Philipse Manor Hall revealed the first *in situ* evidence of 17th century structural remains linked directly to Frederick Philipse.	29 Warburton Avenue	Paul R. Huey	
138	14	New York	New York	Phase II Community Hospital Site, Baker Field	September 1984	Yes	The site was found to be comprised of modern or relatively modern fill and devoid of significant archeological materials. Further testing was not recommended for the site itself; however, if deep excavations were to take place beneath the fill levels, then archeological monitoring was recommended.	Baker Field - between Broadway and Harlem River	Joan H. Geismar	
139	41	New York	New York	Phase IA The Hudson-Raritan Estuary Ecosystem Restoration Project	July 2003	No	The archeological sensitivity within the Sherman Creek Estuary was found to be low due to substantial historic and modern landscape modifications. No further testing was recommended.	Sherman Creek Estuary at Academy Street and 10th Avenue	U.S. Army Corps of Engineers	
140	106	New York	New York	Phase IB Heritage House	October 2008	Yes	Backhoe trenches were excavated at a rowhouse site to locate a privy and/or cistern. The testing revealed a highly disturbed site with consistent strata of building rubble, extensive fill and no historic-era features. Further testing was not recommended.	54-60 East 131st Street	Joan H. Geismar	
141	113	New York and Bronx	New York and Bronx	Phase IA Willis Avenue Bridge Reconstruction	March 2001	No	The Manhattan section of the project area was found to be potentially sensitive for a 17th century cemetery; it also has a low to moderate sensitivity for precontact resources beneath 12 to 21 ft. of landfill. The Bronx section of the project area is potentially sensitive for a c. 1873 roundhouse foundation and precontact resources beneath 15 ft. of fill. Topic intensive studies of these resource types were recommended.	Willis Avenue Bridge	Historical Perspectives	

PREVIOUS CULTURAL RESOURCE SURVEYS CONDUCTED WITHIN THE PROJECT'S STDY AREA

Map ID	SHPO ID	County	Municipality	Survey Name	Date	Archeological Testing Conducted	Relevant Results	Address	Conducted By	Comments
142	21	New York and Bronx	New York and Bronx	Phase IA Con Edison Proposed Feeder Line - Proposed Parkview Area Substation	August 2006	No	Due to the intense level of development in the region including landfilling, dredging, and utility construction, AKRF concluded that it was highly unlikely to find intact archeological materials within the project area. Further archeological investigation was not recommended.	Extends from Park Avenue in NYC east across Harlem River to the Bruckner Expressway south of East 144th Street in the Bronx	AKRF, Inc.	
		Bronx	Bronx	Archeological Monitoring of the Harlem River Yard, 138 kV Parkview Transmission Line	April 2008	Yes	The majority of the project area was found to have been significantly disturbed by prior utility installation and railroad construction activities. No intact cultural features or significant archeological deposits were documented and further testing was not recommended.	Rail yard south of Bruckner Blvd near Lincoln Ave	John Milner Associates, Inca	
143	33	Bronx	Bronx	Phase IA Bronx-Whitestone Bride Deck Replacement	September 2006	No	The project area was determined to not be on historic land, but instead within an area that was historically salt marsh and water; therefore, it was not determined to be sensitive for archeological resources. Further testing was not recommended.	Bronx-Whitestone Bridge, Bronx approaching Ferry Point Park	Hartgen Archeological Associates	
144	14	Bronx, Westchester, Nassau, Suffolk	Multiple	Interim Report on Cultural Resource Survey for the Proposed Eastchester Marine Pipeline	March 2000	No	Nine archeological sites were identified within the survey corridor and three additional sites were identified on alternate alignments. Additionally, 13 magnetic and 11 acoustic targets were identified along the marine construction corridor; three of the magnetic targets were recommended for further study. Another 40 magnetic and 18 acoustic targets were identified along the alternate marine routes; of those targets, 3 magnetic and 8 acoustic targets were recommended for further study.	Extends from Pelham Bay Park in the Bronx into Long Island Sound, terminating near Asharoken Avenue, Northport, Suffolk County	R. Christopher Goodwin & Associates, Inc.	
145	123	Washington	Fort Edward, Hudson Falls	Architectural Survey PIN 1089.57.101	April 1998	No	97 building properties, including 3 National Register properties, were identified within the Village of Fort Edward within the project limits.	US 4 from the D&H Railroad overpass south of Bridge Street to the northern limit of Hudson Falls	New York State Museum	
146	82	Washington	Fort Edward	Phase II Proposed WCC Topsoil Mine Site	March 2008	Yes	WCC Sites 1 (11506.000615) and 2 (11506.000616) were examined. Site 1 represents a mid 19th century to mid 20th century midden associated with a farmstead occupied by an Irish immigrant family located east of the Champlain Canal. Site 2 represents a smaller midden associate with a second farmstead also occupied by an Irish immigrant family. Both middens were identified as secondary refuse deposits and lacked archeological integrity, therefore no further testing was recommended.	Between D & H Railroad and Old Champlain Canal north of Fort Edward	Columbia Heritage, Ltd.	

PREVIOUS CULTURAL RESOURCE SURVEYS CONDUCTED WITHIN THE PROJECT'S STDY AREA

Map ID	SHPO ID	County	Municipality	Survey Name	Date	Archeological Testing Conducted	Relevant Results	Address	Conducted By	Comments
147	130	Washington	Fort Edward	Phase I Fort Edward Health Center	May 2009	Yes	Testing identified a precontact site within the northeastern section of the project area and a historic site within the northernmost section of the project area. The precontact site consisted of a precontact artifact concentration and it was recommended that the site either be avoided or a Phase II investigation be conducted. The historic site consisted of a 19th century artifact scatter likely associated with the map-documented structures within the project area. It was recommended that the historic site either be avoided or a Phase II investigation be conducted.	Between D & H Railroad and East Street	Curtin Archaeological Consulting	
		Washington	Fort Edward	Phase II Fort Edward Health Center	September 2009	Yes	Phase II testing was conducted within the northern portion of the project area. The precontact site was identified mainly as a collection of non-utilized flakes of chert and quartzite and a few fragments of fire-cracked rock. The historic site consisted of a spread of historic and modern artifacts, including architectural artifacts and unaffiliated vessel glass, which reflected extensive disturbance across the parcel. Both sites were found ineligible for listing, and no further testing was recommended.	Between D & H Railroad and East Street	Curtin Archaeological Consulting	
149	114	Washington	Fort Edward	Phase I PIN 1025.10.121, NY Route 197, Hudson River East Branch	June 2006	Yes	The Rogers Island Bridge Street Site (11542.000353) was identified. This site comprises three periods of occupation: precontact, late 18th-early 19th century, and late 19th century. A second site, the Bridge Street Site (11542.000354) was also identified and was comprised of deposits relating to precontact, 18th and 19th century occupations. Additional testing was recommended.	West end of bridge approach on Rogers Island to the east end of the bridge	New York State Museum	
		Washington	Fort Edward	Phae II The Rogers Island-Bridge Street Site, The #3 Bridge Street Site, PIN 1025.10.121, NY Route 197, Hudson River East Branch	March 2007	Yes	Both sites were found to be eligible for listing on the National Register. Site avoidance or mitigation was recommended.	West end of bridge approach on Rogers Island to the east end of the bridge	New York State Museum	
150	254	Saratoga	Multiple	Additional Phase IB and Phase II Saratoga County Water Treatment and Transmission Facilities Project	April 2006	Yes	Additional Phase IB testing was conducted at Saratoga Water Sites 1, 2, 7, and 10 (none of which were located within the railroad alternative). None of the sites were to be impacted by the proposed water line; therefore further testing was not recommended. Phase II testing was conducted at Site 6 and 9. Site 9 (09140.001473), a historic site, is located within the railroad alternative. Neither Site 6 nor 9 were found to be eligible for listing on the National Register and further testing was not recommended.	Begins on the Upper Hudson River near the Sherman island Dam in the Town of Moreau and terminates west of the Luther Forest Technology Campus in the Town of Malta	Hartgen Archeological Associates	

PREVIOUS CULTURAL RESOURCE SURVEYS CONDUCTED WITHIN THE PROJECT'S STDY AREA

Map ID	SHPO ID	County	Municipality	Survey Name	Date	Archeological Testing Conducted	Relevant Results	Address	Conducted By	Comments
151	149	Saratoga	Greenfield and Wilton	Phase IB/II Maple Avenue Middle School Expansion	December 2000	Yes	Historic period artifacts were uncovered in two locations, within the northern and western portions of the project area, during Phase IB testing. The northern location had no features, a lower concentration of artifacts, and appeared disturbed; further testing was not recommended for this area. The western location (St. Clements College Outbuildings Site 09140.001449) contained historic period features, appeared undisturbed, and had a higher concentration of artifacts; Phase II testing was recommended. Late 19th to early 20th century foundations and a well were uncovered during the Phase II study. The site was identified as eligible for listing on the National Register and it was recommended that the site either be avoided or that a Phase III mitigation be completed.	Maple Avenue at Loughberry Lake Road	Greenhouse Consultants, Inc.	
152	131	Saratoga	Saratoga Springs	Phase IB Saratoga Springs Railroad / Saratoga Flour Company Project	July 2000	Yes	Artifacts dating to the 19th and 20th centuries were uncovered from contexts that were determined to have been disturbed during the mid 20th century construction of the railroad station and the flour company. No further archeological testing was recommended.	Station Lane	Hartgen Archeological Associates	
153	293	Saratoga	Saratoga Springs	Phase I FCC Form 620, NT Submission Packet, 2348 NYS Route 50	January 2007	Yes	No artifacts were encountered and further testing was not recommended.	2348 NYS Route 50	CA Smith, LLC	
154	108	Saratoga	Ballston	Phase I PIN 1188.26.101, BIN 1-02918-0, SR 67	September 1998	Yes	Historic period artifacts, including late 19th century architectural and domestic items, were identified; however, they lacked research potential. Further testing was not recommended.	Route 67 and Underpass Road	Hartgen Archeological Associates	
155	239	Saratoga	Ballston	Phase I and Additional Phase IB Saunders Lane Subdivision	October 2005	Yes	Two historic sites were identified, HS-1 the Ballston Lake Electric Traction Powerhouse Site (09101.000124), and HS-2, a stream-side midden. It was recommended that both sites be avoided.	Saunder Lane	Arch Tech	
156	18	Schenectady	Glenville	Phase I PIN 1801.63 Glenridge Road	unknown	Yes	Most of the area surrounding the D & H railroad was considered to be untestable due either to disturbance, steep embankments, or swamp. No precontact or historic sites or features were encountered and further testing was not recommended.	Glenridge Road from Maple Avenue to county line	New York State Museum	
157	136	Saratoga and Schenectady	Glenville and Clifton Park	Phase I PIN 1804.42.121 CR 914	February 2007	Yes	One precontact site and four precontact sites identified. Further testing was recommended for two if the sites, the Burmaghim Site and the Cozy Dale Site. None of which were within the current project area buffer.	Glenridge Road from Conifer Park to Bradt Road	New York State Museum	
158	124	Schenectady	Glenville	Phase I Townhouse at Yates Farm	December 2005	Yes	The Yates Farm Precontact Site (09302.000145-146), a camp located on a ridge, was identified and recommended for Phase II testing. The Alplaus Schoolhouse Historic Site (09302.000144), a 19th century schoolhouse with a 20th century addition, was also identified. However, a lack of school-related artifacts and the commingling of 19th and 20th century deposits demonstrated that the site has little integrity and further testing was not recommended.	Between D & H Railroad and Maple Avenue at Alplaus Avenue	Hartgen Archeological Associates	

PREVIOUS CULTURAL RESOURCE SURVEYS CONDUCTED WITHIN THE PROJECT'S STDY AREA

Map ID	SHPO ID	County	Municipality	Survey Name	Date	Archeological Testing Conducted	Relevant Results	Address	Conducted By	Comments
159	29	Schenectady	Glenville	Phase IA Maple Avenue	unknown	No	Study indicated favorable conditions for precontact period occupation and several map-documented historic structures were located within the project area. Further testing was recommended.	Maple Avenue from north of Alplaus Avenue to SR 50S	New York State Museum	
160	67	Schenectady	Schenectady and Niskayuna	Phase I PIN 1753.51 Reconstruction of Aqueduct and Maxon Roads	March 1998	Yes	Historic foundation remains were identified; however no evidence of precontact occupation or use of the project area was uncovered. No concentrations of materials were recovered which would indicate significant historic deposits.	Maxon Road from the Freemans Bridge to Balltown Road	Collamer & Associates	
161	85	Schenectady	Schenectady	Phase IA Western Gateway Transportation Center	March 2001	No	The project area was found to be sensitive for both precontact and historic sites, including Erie Canal related deposits and burial sites. Archeological testing utilizing a backhoe was recommended.	Erie Blvd and Broadway at the D & H Railroad	Hartgen Archeological Associates	
162	74	Schenectady	Schenectady	Phase IB Broadway and State Street Project	January 2000	Yes	The corner of a partially intact 19th century privy was exposed by backhoe trenching and was found near the map-documented location of late 19th century outbuildings associated with residential and commercial structures fronting on Broadway. Further archeological testing was recommended for the feature, as well as for two other areas identified as having archeological potential, but inaccessible during the January 2000 study.	Between Broadway and the D & H Railroad, south of State Street	Hartgen Archeological Associates	
		Schenectady	Schenectady	Additional Phase IB Trenching at the DOT Building Project	March 2001	Yes	The two inaccessible areas identified previously as archeologically sensitive were examined. A small collection of historic items and four historic features, including a 19th century builder's trench associated with a brick wall, a conical 19th century excavation, a late 19th or early 20th ce. Storm sewer trench and a shallow 19th or early 20th century shaft excavation were uncovered. None of the features were thought to have significant research value and further testing was not recommended.	Between Broadway and the D & H Railroad, south of State Street	Hartgen Archeological Associates	
163	14	Schenectady	Rotterdam	PIN 1930.89	April 1981	Yes	No significant cultural resources were recovered and additional testing was not recommended.	D & H Railroad near Princetown Road	New York State Museum	
164	98	Schenectady	Rotterdam	Phase I PIN 1021.29.101/BIN 1-03878-0	January 2003	Yes	Testing revealed one precontact site, the Marx Precontact Site (not located within the current project area buffer), and four concentrations of historic materials. Further archeological testing was recommended.	Route 159 over Conrail	Hartgen Archeological Associates	
165	75	Schenectady	Rotterdam	Phase I The Golub Corporation Rotterdam Distribution Center Expansion	February 2000	Yes	The Golub Site (09305.000255) a late Archaic camp, was identified and additional testing at the site location was recommended.	Between Duanseburg Road and the NYS Thruway	Hartgen Archeological Associates	
166	20	Schenectady	Rotterdam	Phase I BIN 1-03870-0 Route 158 over Conrail	unknown	Yes	No precontact or historic cultural materials were discovered as a result of subsurface testing in the open field south of Route 158. Further testing was not recommended.	Route 158 bridge over Conrail	New York State Museum	
167	107	Schenectady	Rotterdam	Phase IB Addendum Helderberg Meadows WMA	June 2007	Yes	Significant concentrations of cultural material were not found and no archeological features or precontact artifacts were identified. Further archeological testing was not recommended.	East of Conrail tracks, south of NYS Thruway	Hartgen Archeological Associates	
168	36	Schenectady	Rotterdam	Phase IA Guildercrest Planned Unit Development	March 1987	No	The project area was considered to be sensitive to both precontact and historic cultural resources and a Phase IB survey was recommended.	East of Conrail tracks, between Guilderland Ave and County Line Road	Pamela Sugihara and Edward Curtin	

PREVIOUS CULTURAL RESOURCE SURVEYS CONDUCTED WITHIN THE PROJECT'S STDY AREA

Map ID	SHPO ID	County	Municipality	Survey Name	Date	Archeological Testing Conducted	Relevant Results	Address	Conducted By	Comments
169	36	Albany	Guilderland	Phase IB Northeastern Industrial Park	June 1983	Yes	No significant precontact or historic cultural materials were uncovered within the project area and further archeological testing was not recommended.	Van Buren Blvd	Jeanette Collamer	
170	33	Albany	Guilderland	PIN 1085.09 Bridge Replacement	unknown	No	Project area was found to be sensitive for precontact and early historic activity and archeological testing was recommended.	Route 146 over Penn Central railroad tracks	New York State Museum	
		Albany	Guilderland	PIN 1085.09 1981 Supplement Route 146 Bridge Replacement	1981	Yes	The entire project area west of the railroad tracks was found to be disturbed. No cultural materials were recovered within the entire project area and further archeological testing was not recommended.	Route 146 over Penn Central railroad tracks	New York State Museum	
171	275	Albany	Guilderland	Phase I Drainage System Improvements at the Watervliet Reservoir	December 2002	Yes	No archeological materials were recovered as a result of Phase I testing and the majority of tests indicated disturbed soils. Further archeological testing was not recommended.	West of Conrail tracks, north of Hurst Road	Landmark Archaeology	
172	37	Albany	New Scotland	Phase IA Village of Voorheesville Sewerage Facilities Project	March 1982	No	The areas along the Vly Creek, Maple Avenue, Voorheesville Avenue, Dale Street, and Stonington Hill Road were found to be archeologically sensitive for precontact period sites. Phase IB archeological testing was recommended.	Multiple streets surrounding the Village of Voorheesville	Environmental Archeology, Inc.	
		Albany	New Scotland	Phase IB Village of Voorheesville Sewerage Facilities Project	December 1982	Yes	No significant precontact or historic cultural materials were uncovered within the project area and further archeological testing was not recommended.	Multiple streets surrounding the Village of Voorheesville	Environmental Archeology, Inc.	
173	98	Albany	New Scotland	Tennessee Gas Pipeline Elgen Segment 1X	May 1992	Yes	No significant precontact or historic cultural materials were uncovered and further testing of this section of the gas pipeline was not recommended.	Lienar route through Town of New Scotland, terminating at Conrail tracks sough of Unionville	Public Archaeology Facility	
173	110	Albany	Bethlehem	Tennessee Gas Pipeline Selkirk Project	February 1993	Yes	No significant precontact or historic cultural materials were uncovered and further testing of this section of the gas pipeline was not recommended.	Linear route through Town of Bethlehem, beginning at Conrail tracks south of Unionville	Public Archaeology Facility	
174	122	Albany	Bethlehem	PIN 1347.07 Selkirk Bypass	unknown	Yes	A thin scattering of historic materials was found within the project area, however, it was concluded that they demonstrated a lack of historic use of the area for anything other than railroad development, farming, and the sporadic deposition of waste. Further archeological testing was not recommended.	South of railroad tracks between Route 9W and Route 396	New York State Museum	

APPENDIX 3: Underwater Cultural Resources

IDENTIFIED SHIPWRECKS AND OTHER SUBMERGED ARCHAEOLOGICAL SITES IDENTIFIED BY THE LAKE CHMPLAIN MARITIME MUSEUM (LCMM) WITHIN THE LCMM'S 2,000-FOOT-WIDE LAKE CHAMPLAIN STUDY CORRIDOR

UR Site	Site Number	Site Name	Type	LCMM Letter	Current State	NR Eligibility	Reference	Approx. Date
LC1	NYSM11626	possible *Ella E. Bagley*	standard canal boat	ZZZ	fair state; largely buried	eligible	13	mid-1800s
LC2	NYSM11627	Unidentified Vessel	standard canal boat	F4	well-preserved	eligible	13	1858-1872
LC3	NYSM11628	draw boat	railroad drawboat	G4	vessel burned in 1902 to water line	eligible	13	1888
LC4	NYSM11629	canal boat	canal boat	J4	moderately well-preserved	eligible	13	mid-1800s
LC5	NYSM11630	canal boat	canal boat	K4	poorly preserved	eligible	13	mid-1800s
LC6	NYSM11631	unknown	possible canal boat	L4	unknown	insufficient information	13	
LC7	NYSM11632	canal boat	canal boat	M4	intact	eligible	13	
LC8	NYSM11633	Unidentified Vessel	uncertain	N4	unknown	insufficient information	13	
LC9	NYSM11634	canal boat	canal boat	T4	largely buried	insufficient information	13	
LC10	NYSM11635	*U.S. Row Galley Allen*	row galley	X4	poorly preserved	eligible	13, 4	1814
LC11	NYSM11636	*U.S. Brig Eagle*	brig	Z4	fair state	eligible	13, 4	1814
LC12	NYSM11638	Unidentified Vessel	canal boat	B5	unknown	insufficient information	13	
LC13	NYSM11648*	*Boscawen*	British sloop	L7	fair condition	eligible	13, 12	1759
LC14	NYSM11649*	unknown	French sloop	M7	unknown	eligible	13, 12	1759
LC15	NYSM11650*	unknown	French gunboat	N7	unknown	eligible	13, 12	1759
LC16	NYSM11677	Unidentified Vessel	canal boat	P7	poorly preserved	ineligible	13	1873
LC17	NYSM11678	Unidentified Vessel	canal boat	Q7	poorly preserved	eligible	13	1873
LC18		Unidentified Vessel	standard canal boat	A		eligible	6	
LC19		Seabee	airplane	AP-1	intact	insufficient information	4	
LC20		Mule Wreck	canal boat	EE	well-preserved	eligible	4	
LC21		*Champlain II*	steamboat	FF	hull remains	eligible	4, 6	1868-187
LC22		Unidentified Vessel	canal boat	NN		insufficient information	4	
LC23		*Troy*	canal schooner	SS	well-preserved	eligible	4	
LC24		Unidentified Vessel	standard canal boat	JJ		insufficient information	4	
LC25		Unidentified Vessel	house boat	KK		insufficient information	4	
LC26		Unidentified Vessel	standard canal boat	LL		insufficient information	4	
LC27		Barn Rock Wreck	canal boat	RR			4, 6	
LC28	VT-AD-1018	Beadles Cove Drawboat	railroad drawboat	C4	fair condition	eligible	13, 11	1871
LC29	VT-AD-1019	Wreck C of Mt. Independence Survey	standard canal boat			insufficient information	6, 8	early 1800s
LC30	VT-AD-1020*	Wreck Bof Mt Ind Survey	canal boat	K7		eligible	12, 6, 8, 13	
LC31	VT-AD-1022	Unidentified Vessel	standard canal boat	P4	largely buried	eligible	13, 12	pre-1858
LC32	VT-AD-1023	Unidentified Vessel	canal boat	Q4	poorly preserved	ineligible	13	
LC33	VT-AD-1151*	Unidentified Vessel	scow	O7		eligible	13, 12	
LC34	VT-AD-1369	Shoreham Sloop, South Lake Sloop	canal sloop	H4	well-preserved	eligible	13	early 1800s
LC35	VT-AD-1370	unidentified Vessel	canal boat	I4	largely buried	eligible	13	mid-1800s
LC36	VT-AD-1371	Larrabees Point-Willow Point Trestle	trestle			eligible	13	
LC37	VT-AD-711*	Rev War Artifact Scatter		n/a		insufficient information	12	
LC38	VT-AD-716	*L. A. Hall*	canal boat	II	well-preserved	eligible	4	1876/1878
LC39	VT-AD-726	Unidentified Vessel	standard canal boat	YYY	well-preserved	eligible	7	mid-1800s
LC40	VT-AD-727	Unidentified Vessel	standard canal boat	B4	fair condition	eligible	7, 13	
LC41	VT-AD-728	Unidentified Vessel	standard canal boat	A4	fair condition	eligible	7, 13	
LC42	VT-AD-729*	Unidentified Vessel				insufficient information	7, 12	
LC43	VT-AD-730	*Montcalm*	gasoline screw ferry	E4	condition unknown	insufficient information	7, 13	1920s
LC44	VT-AD-731*	Great Bridge	21 bridge caissons		well-preserved	NHL	7, 12	1777
LC45	VT-GI-24	Isle La Motte Wreck	canal boat	UU		eligible	5, 8	1823-1846
LC46	VT-GI-35		barge	WW		insufficient information	4	post 1916

IDENTIFIED SHIPWRECKS AND OTHER SUBMERGED ARCHAEOLOGICAL SITES IDENTIFIED BY THE LAKE CHMPLAIN MARITIME MUSEUM (LCMM) WITHIN THE LCMM'S 2,000-FOOT-WIDE LAKE CHAMPLAIN STUDY CORRIDOR

UR Site	Site Number	Site Name	Type	LCMM Letter	Current State	NR Eligibility	Reference	Approx. Date
LC47	VT-RU-262	Unidentified Vessel	canal boat	O4	intact	eligible	7, 13	mid-1800s
LC48	VT-RU-263	Unidentified Vessel		V4	scattered debris	insufficient information	7, 13	
LC49	VT-RU-265	*British Brig Linnet*	brig	Y4		eligible	13	
LC50	VT-RU-316	Unidentified Vessel	unidentified vessel	W4		insufficient information	13	
LC51	VT-RU-567	Unidentified Vessel	unidentified vessel	U4		insufficient information	13	
LC52		Canal Boat	canal boat	B		eligible	6	
LC53		Same as WW?		TT				

Note: Lat/Long is in Decimal, Degrees, Minutes
Sites with * next to site number indicate that the Lat/Long is an approximation. Site was studied and identified prior to the use of GPS instruments.

REPORTED SHIPWRECKS IN THE HUDSON RIVER, SPUYTEN DUYVIL CREEK, HARLEM RIVER, EAST RIVER, AND LONG ISLAND SOUND STUDY AREA

UR Site	County	General Location	Vessel Type	Vessel Name	Vessel Date	Shipwreck Date	Depth	Status	Notes	Source	Source 2	Source 3
2	Albany	Coeymans	Produce Barge	Durant	late 19th century	late 19th century		Susp	Barge operated by Henry Slingerland to carry produce, hay, and straw to New York City. Burned and sand near west side of river just north of the mouth of Coeymans Creek	OPRHP	Bath	
3	Albany	Shad Island	Wooden Deck Scows			1923		Conf	Along east side of Shad Island about 1000 feet north of NYS Thruway Bridge	OPRHP		
4	Bronx	Riverdale	Steamer	Henry Clay	1851	1852		Susp	Remains of the vessel may be buried under land	OPRHP	Bath	NOAA
5	Dutchess	Hyde Park	Covered Barge and Scow		early 20th century			Conf	Near east bank of river about 4000 feet north of Bard Rock	OPRHP		
6	Dutchess	Astor Point	Sloop		mid 19th century		25	Conf	Broad beamed Hudson River schooner with a load of brick just off Astor Point	OPRHP		
7	Dutchess	Esopus Island	Sidewheel Steamer	Berkshire		1864		Rep	1000-2000 feet south of Esopus Island near the east shore of the river. May be in the vicinity of Blunts or Bolles Island	OPRHP		
8	Dutchess	Barrytown Bluff	Schooner	Dutchess		1876		Susp	Along east bank of river near Barrytown Bluff	OPRHP	Verplank & Collyer 1908	Bath
9	Dutchess	Chelsea	Sloop	Mohican	1837	1908		Rep	Reportedly used as a breakwater at the former Moses W. Collyer residence	OPRHP		
10	Dutchess	Esopus Island	Sidewheel Steamer	S.S. Point Comfort		1919	10	Susp	Shipwreck on the rocks at the north end of Esopus Island. Wooden timbers observed about 1000 feet north of islands north end at low tide.	OPRHP	Morris and Quinn 1989	
11	Greene	Catskill	Steamer	Reserve		1930		Susp	Near Catskill Point	OPRHP		
12	Greene	New Baltimore	Unknown			1930s		Conf	Wooden wreck northeast of former steamboat dock on Mill Street	OPRHP		
13	Greene	Coxsackie	Steam Freighter	Storm King	1911	1935	5	Conf	Near north dock at Riverside Park. Outside of APE.	OPRHP		
14	Greene	Hamburg/Corlaer Kill	Schooner				15	Rep	Near west shore of river north off the mount of the Corlaer Kill between Athens and Catskill	OPRHP	USGS	
15	Greene	Cementon	Sloops/Schooners	Wanton Island Wrecks	19th century		5	Conf	Four wooden hulls visible at low tide in the cove just northwest of Wanton Island	OPRHP		
16	Orange	Cornwall	Wooden Schooner Barge	Armistead	1919	1960	0	Conf	Barge was placed as a breakwater for the Cornwall Yacht Club	OPRHP		
17	Orange	Cornwall-on-Hudson		Broadway?		1930s	5	Rep	Wooden hull with curving bow and stern located in shallow water north of riverfront park in Cornwall-on-Hudson	OPRHP	USGS	
18	Orange	Newburgh	Schooner	Catskill		1879		Susp	Schooner sunk near the route of the Fishkill Ferry near the Newburgh shore.	OPRHP	Bath	
19	Orange	New Windsor	Sloop	Climax		1908		Susp	Along west bank of river north of Plum Point	OPRHP	NOAA	Bath
20	Orange	Fort Montgomery	Scow	Eleanor				Conf	Near west bank of the river just north of the Fort Montgomery yacht club.	OPRHP	USGS	
21	Orange	West Point	Sloop			pre-1908	225	Susp	Unidentified sloop sunk by steamer Alicia Washburn near West Point in 225 feet of water	OPRHP		
22	Putnam	Garrison	Sidewheel Ferry	Garrison	1887	1930s	10	Rep	Near east bank of river in Garrison boat basin	OPRHP	Bath	
23	Orange	Fort Montgomery	Frigate	General Montgomery	1775	1777		Susp	24-gun continental frigate built in Poughkeepsie in 1775. Burned just north of the Bear Mt. Bridge on October 6, 1777 to prevent capture by the British.	OPRHP	Bath	
26	Westchester	Verplank's Point	Ferry Scow		1780	18th century		Susp	Remains of an 18th-century ferry scow with baggage wagons that sunk in 1780 north of Stony Point at Kings Ferry. Kings Ferry was a strategic river crossing location between Stony Point and Verplanck.	OPRHP	Bath	
27	Westchester	Verplank's Point	Ferry Scow		1780	18th century		Susp	Other possible location of 26.	OPRHP		
28	Rockland	Congers	Barge				22	Conf	Sunken barge near east side of the navigation channel	OPRHP	NOAA	
29	Rockland	Congers	Sloop				42	Conf	Wreck of a wooden vessel WSW of Croton Point.	OPRHP	Bath	
30	Rockland	Congers	Unknown				45	Conf	Wreck near west shore of river west of Croton Point	OPRHP	Bath	
31	Rockland	Piermont	Ferry					Susp	Hulk of a ferry near shore south of Piermont	OPRHP		

REPORTED SHIPWRECKS IN THE HUDSON RIVER, SPUYTEN DUYVIL CREEK, HARLEM RIVER, EAST RIVER, AND LONG ISLAND SOUND STUDY AREA

UR Site	County	General Location	Vessel Type	Vessel Name	Vessel Date	Shipwreck Date	Depth	Status	Notes	Source	Source 2	Source 3
32	Ulster	West Park	Covered Barges				0	Conf	Three covered barges on west bank of the river, 3000 feet due west of the Hyde Park Railroad Station. Barges include two loading bays on each side and attached cabins at stern.	OPRHP		
33	Ulster	Kingston	Wooden Barges		early 20th century		0	Conf	Two largely intact wooden barge hulks in the west bank of the river. Associated with the Hutton Brick Company just north of Kingston Point.	OPRHP		
34	Ulster	Bristol Beach State Park	Scows		early 20th century		0	Conf	Two wooden deck scows abandoned on the west bank of the river. Probably associated with the early 20th-century brick industry.	OPRHP		
35	Ulster	Kingston	Sloop	Fleet Prison	18th century	1777		Rep	Wooden sloop wrecked in the Rondout Creek. Used as a fleet prison during the Revolutionary War. Burned by the British in October 1777.	OPRHP		
36	Ulster	Blue Point	Sloop	Hamlet	19th century	1845		Susp	Sloop wreck off Blue Point on the west bank of the river south of Poughkeepsie. Two possible wrecks included in site.	OPRHP		
37	Ulster	Eavesport	Sidewheel Steamer	M. Martin	1863	20th century	10	Rep	Wooden sidewheel steamer in cove north of Bristol Beach State Park. Former Army dispatch boat during Civil War. Carried Lincoln and Richmond. Taken to Dogherty Brick Yard c, 1920 for docking.	OPRHP	NOAA	USGS
38	Ulster	Marlborough	Sidewheel Steamer	New Yorker	1909	1940	50	Rep	Wreck of steel sidewheel steamer north of Marlboro Yacht Club near site of dock associated with Rosoff's Quarry.	OPRHP	NOAA	USGS
39	Ulster	Crum Elbow	Sloop	Newburgh	19th century	1866		Susp	Sloop with a deckload of flagstone capsized a short distance above Poughkeepsie near Crum Elbow in June 1866.	OPRHP		
40	Ulster	Saugerties	Sidewheel Steamer	Saugerties	19th century	1903	5	Rep	In cove NW of the Saugerties lighthouse.	OPRHP		
41	Ulster	Ulster Landing	Sloop or Schooner		19th century		0	Rep	Wreck on west bank of river south of Turkey Point and North of Ulster Landing County Park	OPRHP		
42	Ulster	Eavesport	Sidewheel Steamer	William F. Romer	1881	20th century	10	Conf	Sidewheel steamer in cove north of Bristol Beach State Park.	OPRHP	NOAA	USGS
43	Westchester	Hastings-on-Hudson	Barkentine Hulk	City of Beaumont	1918	1966	0	Conf	Remains of wooden barkentine hulk located along pierhead north of the Hastings-on-Hudson train platform.	OPRHP	NOAA	
44	Westchester	Verplank's Point	Sloop	Mary Warner	19th century	1879		Susp	Sunk carrying a load of brick. Starboard bow of the sloop was damaged.	OPRHP		
45	New York	Randall's Island						Conf	Wreck in the mouth of the Bronx Kill	NOAA		
46	Bronx	North Brother Island	Frigate	HMS Hussar	1763	1780	57	Conf	British 28-gun frigate struck Pot Rock while sailing east for Long Island Sound. Located just east of North Brother Island and between 131st and 135th Street in the Bronx.	NOAA	OPRHP	Gentile 1996, Sheard 1998
47	Bronx	North Brother Island		HMS Lexington			49	Conf	Report of a wrecked British vessels located SW of North Brother Island	NOAA	OPRHP	
48	Bronx	Whitestone Bridge					50	Conf	65-ft long wreck located 500 feet west of Whitestone Bridge and 1000 feet south of Old Ferry Point	OPRHP	NOAA	
49	Bronx	Whitestone Bridge	Tug				30	Conf	76-ft long wreck 3,250 west of Whitestone Bridge.	OPRHP	NOAA	
50	Bronx	Clason Point					30	Conf	90-ft long wreck located 100 ft SW Clason Point and 6000 ft east of Whitestone Bridge	OPRHP	NOAA	
51	Bronx	Throgs Neck Bridge					50-100	Conf	Long ferrous wreck site located approximately 3000-ft east of the Throgs Neck Bridge	OPRHP	NOAA	
52	Nassau	Execution Rocks	Steel Screw Steamer	Maine	1892	1920	10	Conf	Steel steamer wrecked at Execution Rocks, north of Sands Point.	OPRHP	NOAA	
74	Albany	Cedar Hill	Possible shipwreck					Anom	About 6890 feet south of the mount of the Vloman Kill, near the west bank of the river.	Bath		
75	Rensselaer	Castleton	Possible shipwreck					Anom	About 3880 feet upriver from the I-90 overpass, near east bank of river	Bath		

REPORTED SHIPWRECKS IN THE HUDSON RIVER, SPUYTEN DUYVIL CREEK, HARLEM RIVER, EAST RIVER, AND LONG ISLAND SOUND STUDY AREA

UR Site	County	General Location	Vessel Type	Vessel Name	Vessel Date	Shipwreck Date	Depth	Status	Notes	Source	Source 2	Source 3
76	Rensselaer	Upper Schodack Island	Possible shipwreck					Anom	About 3500 feet downriver from the I-90 overpass, near east bank of river	Bath		
77	Albany	Coeymans	Possible shipwreck					Anom	About 5165 feet north of the mouth of Coeymans Creek, near west back of the river	Bath		
78	Albany	Coeymans	Possible shipwreck					Anom	About 2625 feet north of the mouth of Coeymans Creek, near west bank of the river	Bath		
79	Rensselaer	Lower Schodack Island	Possible shipwreck					Anom	Across the river from the Village of Coeymans, near east bank of the river	Bath		
80	Greene	New Baltimore	Possible shipwreck					Anom	Near west bank of river, about 985 feet south of east end of Washington Avenue	Bath		
81	Greene	New Baltimore	Possible shipwreck					Anom	Near west bank of river, about 1680 feet south of east end of Washington Avenue	Bath		
82	Greene	New Baltimore	Possible shipwreck					Anom	Near west bank of river, about 1990 feet south of east end of Washington Avenue	Bath		
83	Greene	New Baltimore						Conf	Near west bank of the river, near east end of Washington Avenue	NOAA		
84	Greene	Houghtaling Island	Possible shipwreck					Anom	Off southwest end of Houghtaling Island	Bath		
85	Columbia	Stuyvesant						Conf	Near east bank of river, about 3900 feet north of the Village of Stuyvesant	NOAA		
86	Columbia	Nutten Hook	Possible shipwreck					Anom	Southwest of Nutten Hook	Bath		
87	Greene	Coxsackie	Possible shipwreck	Steamer Rochester				Anom	Near middle of channel, east of the docks at Coxsackie	Bath	Verplank & Collyer 1908	
88	Greene	Coxsackie	Possible shipwreck					Anom	Near middle of channel, east of the docks at Coxsackie	Bath		
89	Columbia	Greenport						Conf	Along east side of Middle Ground Flats, about 4300 feet north of north city limit of the City of Hudson	NOAA		
90	Columbia	Hudson	Possible shipwreck					Anom	Near east bank of the river, just downriver from the City of Hudson	Bath		
91	Columbia	Hudson	Possible shipwreck					Anom	Immediately south of lighthouse just south of Hudson	Bath		
92	Columbia	Hudson	Possible shipwreck					Anom	About 1328 feet downriver of the lighthouse south of Hudson	Bath		
93	Greene	Athens						Conf	About 1875 feet upriver from the mouth of the Corlaer Kill, near west bank of the Hudson River	USGS		
94	Columbia	Hudson						Conf	Near west side of Rogers Island Game Management Area	USGS		
95	Greene	Catskill	Possible shipwreck					Anom	About 141 feet north of the Rip Van Winkle Bridge, near the west bank of the river	Bath		
96	Greene	Catskill	Possible shipwreck					Anom	About 325 feet north of the Rip Van Winkle Bridge, near the west back of the river	Bath		
97	Greene	Catskill	Possible shipwreck					Anom	About 1122 feet south of the Rip Van Winkle Bridge, near west bank of the river	Bath		
98	Greene	Catskill						Conf	Near west bank of the river, in a cove near south end of Catskill	NOAA	USGS	
99	Columbia	Greendale	Possible shipwreck					Anom	Near middle of channel, just southeast of the mouth of Catskill Creek	Bath		
100	Columbia	Oak Hill Landing	Possible shipwreck					Anom	About 2385 feet upriver from the Oak Hill Landing, near middle of channel	Bath		
101	Columbia	Roeliff Jansen Kill	Possible shipwreck					Anom	About 2180 feet upriver from the mouth of the Roeliff Jansen Kill, near middle of channel.	Bath		
102	Greene	Burget Creek						Conf	In tidal flat about 1290 feet downriver from the mouth of Burget Creek	USGS		
103	Greene	Cementon	Possible shipwreck					Anom	Near south end of a small cover south of Duck Cove, near the west bank of the river	Bath		
104	Greene	Cementon						Conf	Near west bank of the river, upriver from Cementon	NOAA	Bath	
105	Greene	Cementon	Possible shipwreck					Anom	Near west bank of river, just south of Smith Landing	Bath		

REPORTED SHIPWRECKS IN THE HUDSON RIVER, SPUYTEN DUYVIL CREEK, HARLEM RIVER, EAST RIVER, AND LONG ISLAND SOUND STUDY AREA

UR Site	County	General Location	Vessel Type	Vessel Name	Vessel Date	Shipwreck Date	Depth	Status	Notes	Source	Source 2	Source 3
106	Greene	Cementon	Possible shipwreck					Anom	Near west bank of river, just south of Smith Landing	Bath		
107	Greene	Cementon						Conf	In tidal flat near south end of Cementon	NOAA	USGS	
108	Ulster	West Camp						Conf	Near west bank of river just south of Wanton Island	USGS		
109	Ulster	Eavesport						Conf	Near north end of cover north of Bristol Beach State Park	USGS		
110	Ulster	Eavesport	Possible shipwreck					Anom	About 630 feet east of the point of Bristol Beach	Bath		
111	Ulster	Eavesport	Possible shipwreck					Anom	East of Bristol Beach State Park	Bath		
112	Ulster	Malden-on-Hudson						Conf	Near middle of channel, about 656 feet north of a light in the river southeast of Malden-on-Hudson	NOAA	Bath	
113	Ulster	Malden-on-Hudson	Possible shipwreck					Anom	Near middle of channel, about 990 feet northwest of a light in the river southeast of Malden-on-Hudson	Bath		
114	Ulster	Malden-on-Hudson						Conf	Near west bank of river, in a cove south of Malden-on-Hudson	USGS		
115	Ulster	Saugerties						Conf	Near west bank of the river, about 1965 feet south of the mouth of the Espous Creek	NOAA	USGS	
116	Dutchess	Red Hook	Possible shipwreck					Anom	Near middle of channel, about 1350 ft northwest of the north point of Cruger Island	Bath		
117	Dutchess	Cruger Island	Possible shipwreck					Anom	Immediately south of lighthouse on Cruger Island, near east bank of river	Bath		
118	Ulster	Turkey Point	Possible shipwreck					Anom	About 2910 feet north of Turkey Point, near the west bank of the river	Bath		
119	Ulster	Turkey Point	Possible shipwreck					Anom	About 1585 feet southeast of Turkey Point	Bath		
120	Ulster	Turkey Point	Possible shipwreck					Anom	Near west bank of river, immediately north of Turkey Point	Bath		
121	Ulster	Turkey Point	Possible shipwreck					Anom	Near west bank of river, south of Turkey Point	Bath		
122	Ulster	Ulster Landing						Conf	Near west bank of river, south of Tyler Point	NOAA		
123	Ulster	Ulster Landing						Conf	Along west bank of river	NOAA	Bath	
124	Ulster	Ulster Landing	Possible shipwreck					Anom	Near west bank of river just south of Ulster Landing	Bath		
125	Ulster	Ulster Landing	Possible shipwreck					Anom	Near west bank of river just south of Ulster Landing	Bath		
126	Ulster	Ulster Landing	Possible shipwreck					Anom	Near west bank of river about 1493 feet upriver from the Kingston-Rhinebeck Bridge	Bath		
127	Dutchess	Mills Point	Possible shipwreck					Anom	Near east bank of river just off of Mills Point	Bath		
128	Ulster	Ulster						Conf	Near west bank of river about 4324 feet downriver from the Kingston-Rhinebeck Bridge	USGS		
129	Ulster	Ulster						Conf	Near west bank of river in a small cove south of the Robert E. Post Memorial Park	NOAA		
130	Ulster	East Kingston	Possible shipwreck					Anom	Near west bank of river just north of East Kingston	Bath		
131	Ulster	East Kingston	Possible shipwreck					Anom	Near west bank of river near the west end of Railroad Avenue in East Kingston	Bath		
132	Ulster	East Kingston	Possible shipwreck					Anom	Near west bank of river just south of the east end of Railroad Avenue	Bath		
133	Ulster	East Kingston	Possible shipwreck					Anom	Near west bank of river just south of the east end of Railroad Avenue	Bath		
134	Ulster	Kingston	Possible shipwreck					Anom	Near west bank of river just south of the northern corporate boundary of the City of Kingston	Bath		
135	Ulster	Kingston	Possible shipwreck					Anom	Near west bank of river just south of the northern corporate boundary of the City of Kingston	Bath		
136	Ulster	Kingston	Possible shipwreck					Anom	Near west bank of river just south of the northern corporate boundary of the City of Kingston	Bath		
137	Ulster	Kingston						Conf	Near west bank of river just south of the northern corporate boundary of the City of Kingston	NOAA	Bath	
138	Ulster	Kingston						Conf	Shown on NOAA chart near west bank of river. USGS and recent satellite imagery show this area as land.	NOAA		
139	Dutchess	Rhinecliff						Conf	Near east bank of river across from Kingston Point	NOAA	USGS	
140	Ulster	Kingston						Conf	Near west bank of river in the mouth of Rondout Creek	NOAA		

REPORTED SHIPWRECKS IN THE HUDSON RIVER, SPUYTEN DUYVIL CREEK, HARLEM RIVER, EAST RIVER, AND LONG ISLAND SOUND STUDY AREA

UR Site	County	General Location	Vessel Type	Vessel Name	Vessel Date	Shipwreck Date	Depth	Status	Notes	Source	Source 2	Source 3
141	Ulster	Kingston	Possible shipwreck					Anom	About 570 feet north of Kingston Point	Bath		
142	Ulster	Kingston Point	Possible shipwreck					Anom	Near west bank of river, immediately east of the end of Kingston Point	Bath		
143	Ulster	Kingston Point	Possible shipwreck					Anom	Near west bank of river, immediately east of the end of Kingston Point	Bath		
144	Dutchess	Rhinecliff	Possible shipwreck					Anom	Near east bank of river southeast of the mount of the Rondout Creek	Bath		
145	Dutchess	Rhinecliff	Possible shipwreck					Anom	Near east bank of river just south of Rhinecliff	Bath		
146	Dutchess	Rhinecliff	Possible shipwreck					Anom	Near east bank of river just south of Rhinecliff	Bath		
147	Dutchess	Rhinecliff	Possible shipwreck					Anom	Near middle of channel about 1160 ft north of Sturgeon Point	Bath		
148	Dutchess	Rhinecliff	Possible shipwreck					Anom	Near east bank of river about 890 feet north of Sturgeon Point	Bath		
149	Dutchess	Rhinecliff	Possible shipwreck					Anom	Near east bank of river 489 ft north of Sturgeon Point	Bath		
150	Dutchess	Rhinecliff	Possible shipwreck					Anom	Near east bank of river immediately west of Sturgeon Point	Bath		
151	Dutchess	Rhinecliff	Possible shipwreck					Anom	Near east bank of river about 620 feet north of Sturgeon Point	Bath		
152	Dutchess	Rhinecliff	Possible shipwreck					Anom	Near east bank of river across from Big Rock Point	Bath		
153	Ulster	Ulster Park	Possible shipwreck					Anom	Near middle of channel northeast of Hemlock Point	Bath		
154	Ulster	Ulster Park	Possible shipwreck					Anom	Near west bank of river about 918 feet downriver from Hemlock Point	Bath		
155	Dutchess	Jones Island	Possible shipwreck					Anom	Near middle of channel about 2200 ft WSW of Jones Island	Bath		
156	Ulster	Esopus Meadows Point	Possible shipwreck					Anom	Near middle of channel about 2055 ft north of Esopus Meadows lighthouse	Bath		
157	Ulster	Esopus Meadows Point	Possible shipwreck					Anom	Near middle of channel about 1820 ft NNE of Esopus Meadows lighthouse	Bath		
158	Dutchess	Vanderburgh Cove	Possible shipwreck					Anom	Near middle of channel near south end of Vanderbugh Cove	Bath		
159	Ulster	Esopus Meadows Point	Possible shipwreck					Anom	Near middle of channel about 1312 ft north of Esopus Meadows lighthouse	Bath		
160	Dutchess	Staatsburg	Possible shipwreck					Anom	Near middle of channel about 950 ft east of the Esopus Meadows lighthouse	Bath		
161	Dutchess	Staatsburg	Possible shipwreck					Anom	Near middle of channel, east of Esopus Meadows Point	Bath		
162	Dutchess	Staatsburg	Possible shipwreck					Anom	Near east side of channel about 2800 feet east of Esopus Meadows Point	Bath		
163	Dutchess	Staatsburg	Possible shipwreck					Anom	Near east side of channel about 2018 feet north of Dinsmore Point	Bath		
164	Ulster	Esopus Meadows Point	Possible shipwreck					Anom	Near west bank of river just south of Cave Point	Bath		
165	Dutchess	Norrie Point	Possible shipwreck					Anom	Near east side of channel about 965 ft west of Norrie Point	Bath		
166	Dutchess	Norrie Point	Possible shipwreck					Anom	Near east side of channel northeast of Esopus Island	Bath		
167	Dutchess	Blunts Island	Possible shipwreck					Anom	Near east bank of river just southwest of Blunts Island	Bath		
168	Ulster	Esopus	Possible shipwreck					Anom	Near west side of channel 2245 ft south of Esopus Island	Bath		
169	Ulster	Esopus	Possible shipwreck					Anom	Near west bank of river just north of the Marist Brothers Seminary	Bath		
170	Ulster	Esopus	Possible shipwreck					Anom	Near west bank of river just south of Marist Brothers Seminary	Bath		
171	Ulster	Esopus	Possible shipwreck					Anom	Near west bank of river across the river from Bard Rock	Bath		
172	Ulster	Esopus	Possible shipwreck					Anom	Near west bank of river across the river from Bard Rock	Bath		
173	Ulster	Esopus	Possible shipwreck					Anom	Near west bank of river across the river from Bard Rock	Bath		
174	Ulster	West Park	Possible shipwreck					Anom	Near west bank of river just south of Holy Cross Monastery	Bath		

REPORTED SHIPWRECKS IN THE HUDSON RIVER, SPUYTEN DUYVIL CREEK, HARLEM RIVER, EAST RIVER, AND LONG ISLAND SOUND STUDY AREA

UR Site	County	General Location	Vessel Type	Vessel Name	Vessel Date	Shipwreck Date	Depth	Status	Notes	Source	Source 2	Source 3
175	Ulster	West Park	Possible shipwreck					Anom	Near west bank of river just south of Holy Cross Monastery	Bath		
176	Ulster	West Park	Possible shipwreck					Anom	Near west bank of river just north of West Park	Bath		
177	Ulster	West Park	Possible shipwreck					Anom	Near west bank of river just north of West Park	Bath		
178	Ulster	West Park	Possible shipwreck					Anom	Near west bank of river just north of West Park	Bath		
179	Ulster	West Park	Possible shipwreck					Anom	Near west bank of river just north of West Park	Bath		
180	Ulster	West Park	Possible shipwreck					Anom	Near west bank of river just north of West Park	Bath		
181	Ulster	West Park	Possible shipwreck					Anom	Near west bank of river just north of West Park	Bath		
182	Ulster	West Park	Possible shipwreck					Anom	Near west bank of river just north of West Park	Bath		
183	Ulster	West Park	Possible shipwreck					Anom	Near west bank of river just south of the east end of Floyd Akert Road	Bath		
184	Ulster	West Park	Possible shipwreck					Anom	Near west bank of river just south of St. Gabriels School	Bath		
185	Ulster	West Park	Possible shipwreck					Anom	Near west bank of river east of Mother Cabirna School	Bath		
186	Ulster	West Park	Possible shipwreck					Anom	Near west bank of river southeast of Mother Cabirna School	Bath		
187	Ulster	West Park	Possible shipwreck					Anom	Near west bank of river east of Mother Cabirna School	Bath		
188	Ulster	West Park	Possible shipwreck					Anom	Near west bank of river across the river from Rogers Point	Bath		
189	Ulster	Highland	Possible shipwreck					Anom	Near middle of channel west of FDR Home National Historic Site	Bath		
190	Ulster	Highland	Possible shipwreck					Anom	Near middle of channel west of FDR Home National Historic Site	Bath		
191	Ulster	Highland	Possible shipwreck					Anom	Near middle of channel west of FDR Home National Historic Site	Bath		
192	Ulster	Highland	Possible shipwreck					Anom	Near middle of channel west of FDR Home National Historic Site	Bath		
193	Ulster	Highland	Possible shipwreck					Anom	Near middle of channel near east end of Red Top Road	Bath		
194	Ulster	Highland	Possible shipwreck					Anom	Near west bank of river along Lange Rack cliffs	Bath		
195	Dutchess	Hyde Park	Possible shipwreck					Anom	Near east bank of river just south of the Culinary Institute of America and north of a boat basin	Bath		
196	Dutchess	Hyde Park	Possible shipwreck					Anom	Near east bank of river just south of the Culinary Institute of America and north of a boat basin	Bath		
197	Ulster	Highland	Possible shipwreck					Anom	Near west bank of river across the river from the Hudson River State Hospital	Bath		
198	Ulster	Highland	Possible shipwreck					Anom	Near west bank of river across from Marist College	Bath		
199	Ulster	Highland	Possible shipwreck					Anom	Near middle of channel across from Marist College	Bath		
200	Ulster	Highland	Possible shipwreck					Anom	Near west bank of river across the river from the Poughkeepsie water works	Bath		
201	Dutchess	Poughkeepsie	Possible shipwreck					Anom	Near east bank of river 1640 ft north of the Poughkeepsie Railroad Bridge	Bath		
202	Dutchess	Poughkeepsie	Possible shipwreck					Anom	Near east bank of river 950 ft north of the Poughkeepsie Railroad Bridge	Bath		
203	Dutchess	Poughkeepsie	Possible shipwreck					Anom	Possible debris associated with the NHL Poughkeepsie Railroad Bridge or underwater utility line. Spans 1050 ft near the middle of channel about 590 ft north of the Poughkeepsie Railroad Bridge.	Bath		
204	Dutchess	Poughkeepsie	Possible shipwreck					Anom	Possible debris associated with the NHL Poughkeepsie Railroad Bridge or underwater utility line. Spans most of the river about 270 ft south of the Poughkeepsie Railroad Bridge.	Bath		
205	Dutchess	Poughkeepsie	Possible shipwreck					Anom	Near middle of channel about 1535 ft south of Poughkeepsie Railroad Bridge	Bath		
206	Dutchess	Poughkeepsie	Possible shipwreck					Anom	Near east bank of river about 1130 feet south of the Poughkeepsie Railroad Bridge	Bath		

REPORTED SHIPWRECKS IN THE HUDSON RIVER, SPUYTEN DUYVIL CREEK, HARLEM RIVER, EAST RIVER, AND LONG ISLAND SOUND STUDY AREA

UR Site	County	General Location	Vessel Type	Vessel Name	Vessel Date	Shipwreck Date	Depth	Status	Notes	Source	Source 2	Source 3
207	Dutchess	Poughkeepsie	Possible shipwreck					Anom	Near east bank of river about 1275 ft north of the Mid-Hudson Bridge	Bath		
208	Dutchess	Poughkeepsie	Possible shipwreck					Anom	Near east bank of river about 1445 ft south of the Mid-Hudson Bridge	Bath		
209	Dutchess	Poughkeepsie	Possible shipwreck					Anom	Near east bank of river about 1835 ft south of the Mid-Hudson Bridge	Bath		
210	Dutchess	Poughkeepsie	Possible shipwreck					Anom	Near east bank of river about 3790 ft south of the Mid-Hudson Bridge	Bath		
211	Dutchess	Poughkeepsie	Possible shipwreck					Anom	Near east bank of river about 2750 ft south of the Mid-Hudson Bridge	Bath		
212	Dutchess	Poughkeepsie	Possible shipwreck					Anom	Near east bank of river about 3300 ft south of the Mid-Hudson Bridge	Bath		
213	Dutchess	Poughkeepsie	Possible shipwreck					Anom	Near east bank of river about 4260 ft south of the Mid-Hudson Bridge	Bath		
214	Dutchess	Poughkeepsie	Possible shipwreck					Anom	Near east bank of river north of Poughkeepsie Rural Cemetery	Bath		
215	Ulster	Oakes	Possible shipwreck					Anom	Near west bank of river just north of Blue Point	Bath		
216	Ulster	Blue Point	Possible shipwreck					Anom	Near west bank of river just south of Blue Point	Bath		
217	Ulster	Blue Point	Possible shipwreck					Anom	Near west bank of river just south of Blue Point	Bath		
218	Dutchess	Poughkeepsie	Possible shipwreck					Anom	Near east bank of river adjacent to Sunfish Cove	Bath		
219	Dutchess	Poughkeepsie	Possible shipwreck					Anom	Near east bank of river across from Milton	Bath		
220	Ulster	Milton	Possible shipwreck					Anom	Near west bank of river along Milton	Bath		
221	Dutchess	Rudco	Possible shipwreck					Anom	Near middle of channel west of Rudco	Bath		
222	Dutchess	Rudco	Possible shipwreck					Anom	Near east bank of river in Rudco	Bath		
223	Dutchess	Rudco	Possible shipwreck					Anom	Near east bank of river in Rudco	Bath		
224	Dutchess	Rudco	Possible shipwreck					Anom	Near east bank of river in Rudco	Bath		
225	Dutchess	Van Kuerens	Possible shipwreck					Anom	Near middle of channel just south of Van Keurens	Bath		
226	Ulster	Marlborough	Possible shipwreck					Anom	Near west bank of river just north of Pegs Point	Bath		
227	Ulster	Marlborough						Conf	Near west bank of river just north of Pegs Point	NOAA	Bath	
228	Dutchess	Clinton Point	Possible shipwreck					Anom	Near east bank of river just off Clinton Point	Bath		
229	Dutchess	Clinton Point						Conf	Near east bank of river just south of Clinton Point	NOAA	Bath	
230	Ulster	Marlborough						Conf	Near west bank of river adjacent to Pegs Point	NOAA	Bath	
231	Ulster	Marlborough	Possible shipwreck					Anom	Near west bank of river just south of Pegs Points	Bath		
232	Ulster	Marlborough	Possible shipwreck					Anom	Near middle of channel just south of Pegs Point	Bath		
233	Ulster	Marlborough	Possible shipwreck					Anom	Near middle of channel across from Marlborough Yacht Club	Bath		
234	Ulster	Marlborough						Conf	Near west bank of river south of Marlborough Yacht Club	NOAA		
235	Orange	Danskammer Point						Conf	Near west bank of river just north of Danskammer Point	NOAA	USGS	
236	Orange	Danskammer Point	Possible shipwreck					Anom	Near middle of channel adjacent to Danskammer Point	Bath		
237	Dutchess	New Hamburg						Conf	Near east bank of river across from Danskammer Point	NOAA		
238	Orange	Roseton	Possible shipwreck					Anom	Near middle of channel across from Low Point	Bath		
239	Orange	Roseton	Possible shipwreck					Anom	Near middle of channel across from Low Point	Bath		
240	Orange	Roseton	Possible shipwreck					Anom	Near west bank of river adjacent to Roseton	Bath		
241	Orange	Newburgh	Possible shipwreck					Anom	Near west bank of river near Our Lady of Hope Seminary	Bath		
242	Orange	Newburgh	Possible shipwreck					Anom	Near west bank of river just south of South Street	Bath		
243	Orange	Newburgh						Anom	Near west bank of river just south of First Street	Bath	Verplank & Collyer 1908	
244	Orange	Newburgh	Possible shipwreck					Anom	Near west bank of river adjacent to First Street	Bath		
245	Orange	Newburgh	Possible shipwreck					Anom	Near west bank of river adjacent to Washington Headquarters Monument	Bath		
246	Orange	Newburgh	Possible shipwreck					Anom	Near west bank of river just south of Washington Headquarters Monument	Bath		

REPORTED SHIPWRECKS IN THE HUDSON RIVER, SPUYTEN DUYVIL CREEK, HARLEM RIVER, EAST RIVER, AND LONG ISLAND SOUND STUDY AREA

UR Site	County	General Location	Vessel Type	Vessel Name	Vessel Date	Shipwreck Date	Depth	Status	Notes	Source	Source 2	Source 3
247	Orange	Newburgh	Steel vessel					Conf	Near west bank of river adjacent to the east end of Renwick Street	HAA, Inc. 2009b (HAA 4231-11)	USGS	
248	Orange	Newburgh	Wooden vessel					Conf	Near west bank of river adjacent to the east end of Renwick Street	HAA, Inc. 2009b (HAA 4231-11)		
249	Orange	Newburgh	Unknown sunken vessel					Conf	Near west bank of river just north of the east end of Renwick Street	HAA, Inc. 2009b (HAA 4231-11)		
250	Orange	Newburgh	Possible shipwreck					Anom	Near west bank of river just north of the mouth of Quassaick Creek	Bath		
251	Orange	Newburgh						Conf	Near west bank of river at mouth of the Quassaick Creek	NOAA	Bath	
252	Orange	Newburgh	Possible shipwreck					Anom	Near west bank of the river about 985 feet east of the mouth of the Quassaick Creek	Bath		
253	Orange	Newburgh	Possible shipwreck					Anom	Near west bank of river adjacent to Sloop Hill	Bath		
254	Orange	Cornwall	Possible shipwreck					Anom	Near west bank of river just south of Cornwall Landing	Bath		
255	Orange	Cornwall	Possible shipwreck					Anom	Near west bank of river adjacent to Storm King State Park	Bath		
256	Orange	Cornwall	Possible shipwreck					Anom	Near west bank of river northwest of Little Stony Point	Bath		
257	Orange	Cornwall	Possible shipwreck					Anom	Near middle of channel northwest of Little Stony Point	Bath		
258	Putnam	Little Stony Point	Possible shipwreck					Anom	Near east bank of river about 985 feet north of Little Stony Point	Bath		
259	Orange	Cornwall	Possible shipwreck					Anom	Near west bank of river across from Little Stony Point	Bath		
260	Putnam	Little Stony Point	Possible shipwreck					Anom	Near east bank of river immediately northwest of Little Stony Point	Bath		
261	Putnam	Cold Spring	Possible shipwreck					Anom	Near east bank of river about 985 ft downriver of Little Stony Point	Bath		
262	Putnam	Cold Spring	Possible shipwreck					Anom	Near east bank of river about 1640 ft downriver of Little Stony Point	Bath		
263	Orange	Cornwall	Possible shipwreck					Anom	Near west bank of river across from Cold Spring	Bath		
264	Orange	Cornwall	Possible shipwreck					Anom	Near west bank of river across from Cold Spring	Bath		
265	Orange	Cornwall	Possible shipwreck					Anom	Near west bank of river across from Cold Spring	Bath		
266	Orange	Cornwall	Possible shipwreck					Anom	Near west bank of river across from Cold Spring	Bath		
267	Orange	Cornwall	Possible shipwreck					Anom	Near west bank of river across from Cold Spring	Bath		
268	Orange	Cornwall	Possible shipwreck					Anom	Near west bank of river across from Cold Spring	Bath		
269	Orange	Cornwall	Possible shipwreck					Anom	Near west bank of river across from Cold Spring	Bath		
270	Putnam	Cold Spring	Possible shipwreck					Anom	Near east bank of river near northwest corner of Foundry Cove	Bath		
271	Putnam	Cold Spring	Possible shipwreck					Anom	Near east bank of river west of Foundry Cove	Bath		
272	Orange	West Point	Possible shipwreck					Anom	Near east bank of river across from Foundry Cove	Bath		
273	Orange	West Point	Possible shipwreck					Anom	Near west bank of river just north of Crows Nest Brook	Bath		
274	Orange	West Point	Possible shipwreck					Anom	Near west bank of river just north of Crows Nest Brook	Bath		
275	Putnam	Cold Spring	Possible shipwreck					Anom	Near east bank of river northwest of Constitution Island	Bath		
276	Putnam	Cold Spring	Possible shipwreck					Anom	Near east side of river near south end of Foundry Cove	Bath		
277	Putnam	Constitution Island	Possible shipwreck					Anom	Along northwest side of Constitution Island	Bath		
278	Putnam	Constitution Island	Possible shipwreck					Anom	Along northwest side of Constitution Island	Bath		
279	Putnam	Constitution Island	Possible shipwreck					Anom	Along northwest side of Constitution Island	Bath		
280	Orange	West Point	Possible shipwreck					Anom	Near west bank of river just south of the West Point Cemetery	Bath		
281	Putnam	Constitution Island	Possible shipwreck					Anom	Near west side of Constitution Island	Bath		

REPORTED SHIPWRECKS IN THE HUDSON RIVER, SPUYTEN DUYVIL CREEK, HARLEM RIVER, EAST RIVER, AND LONG ISLAND SOUND STUDY AREA

UR Site	County	General Location	Vessel Type	Vessel Name	Vessel Date	Shipwreck Date	Depth	Status	Notes	Source	Source 2	Source 3
282	Putnam	Constitution Island	Possible shipwreck					Anom	Near middle of channel along west side of Constitution Island	Bath		
283	Putnam	Constitution Island	Possible shipwreck					Anom	Near middle of channel along west side of Constitution Island	Bath		
284	Putnam	Constitution Island	Possible shipwreck					Anom	Near middle of channel along west side of Constitution Island	Bath		
285	Orange	West Point	Possible shipwreck					Anom	Near west bank of river upriver from Gees Point	Bath		
286	Putnam	Constitution Island	Possible shipwreck					Anom	Near southwest corner of Constitution Island	Bath		
287	Putnam	Constitution Island	Possible shipwreck					Anom	Near southwest corner of Constitution Island	Bath		
288	Putnam	Glenclyffe						Conf	Near middle of channel about 2790 ft downriver from Arden Point	NOAA	Bath	
289	Putnam	Arden Point	Possible shipwreck					Anom	Near east bank of river just downriver from Arden Point	Bath		
290	Putnam	Arden Point	Possible shipwreck					Anom	Near east bank of river just downriver from Arden Point	Bath		
291	Orange	Highland Falls	Possible shipwreck					Anom	Near west bank of river just north of Ladycliff College	Bath		
292	Putnam	Garrison	Possible shipwreck					Anom	Near middle of channel adjacent to Beverly Dock	Bath		
293	Orange	Highland Falls	Possible shipwreck					Anom	Near west bank of river across from Beverly Dock	Bath		
294	Orange	Highland Falls	Possible shipwreck					Anom	Near west bank of river across from Beverly Dock	Bath		
295	Putnam	Garrison	Possible shipwreck					Anom	Near east bank of river just downriver from Beverly Dock	Bath		
296	Orange	Highlands	Possible shipwreck					Anom	Near west bank of river just south of Con Hook	Bath		
297	Orange	Highlands	Possible shipwreck					Anom	Near west bank of river just south of Con Hook	Bath		
298	Orange	Highlands	Possible shipwreck					Anom	Near west bank of river 2080 ft downriver from Con Hook	Bath		
299	Putnam	Manitou	Possible shipwreck					Anom	Near middle of channel about 2710 ft upriver from the Manitou Train Station	Bath		
300	Orange	Fort Montgomery	Possible shipwreck					Anom	Near west bank of river adjacent to Garrison Lake	Bath		
301	Orange	Fort Montgomery						Conf	Near west bank of river just north of the Fort Montgomery yacht club	USGS		
302	Orange	Fort Montgomery	Possible shipwreck					Anom	Near west bank of river just north of the Fort Montgomery yacht club	Bath		
303	Orange	Fort Montgomery	Possible shipwreck					Anom	Near west bank of river just north of the Fort Montgomery yacht club	Bath		
304	Orange	Fort Montgomery	Possible shipwreck					Anom	Near west bank of river just east of the Fort Montgomery Yacht Club	Bath		
305	Orange	Fort Montgomery	Possible shipwreck					Anom	Near west bank of river just east of the Fort Montgomery Yacht Club	Bath		
306	Orange	Fort Montgomery	Possible shipwreck					Anom	Near west bank of river just east of the Fort Montgomery Yacht Club	Bath		
307	Orange	Fort Montgomery	Possible shipwreck					Anom	Near west bank of river just south of the Fort Montgomery Yacht Club	Bath		
308	Orange	Fort Montgomery	Possible shipwreck					Anom	Near west bank of river adjacent to the Site of Fort Montgomery	Bath		
309	Orange	Fort Montgomery	Possible shipwreck					Anom	Near west bank of river adjacent to the Site of Fort Montgomery	Bath		
310	Orange	Fort Montgomery	Possible shipwreck					Anom	Near west bank of river adjacent to the Site of Fort Montgomery	Bath		
311	Rockland	Bear Mountain	Possible shipwreck					Anom	Near west bank of river just north of the Bear Mountain Bridge	Bath		
312	Rockland	Bear Mountain	Possible shipwreck					Anom	Near west bank of river adjacent to the mount of Popolopen Creek	Bath		
313	Westchester	Anthony's Nose	Possible shipwreck					Anom	Near east bank of river just north of the Bear Mountain Bridge	Bath		
314	Rockland	Bear Mountain	Possible shipwreck					Anom	Near west bank of river adjacent to Bear Mountain dock	Bath		
315	Rockland	Bear Mountain	Possible shipwreck					Anom	Near west bank of river southeast of Bear Mountain dock	Bath		

REPORTED SHIPWRECKS IN THE HUDSON RIVER, SPUYTEN DUYVIL CREEK, HARLEM RIVER, EAST RIVER, AND LONG ISLAND SOUND STUDY AREA

UR Site	County	General Location	Vessel Type	Vessel Name	Vessel Date	Shipwreck Date	Depth	Status	Notes	Source	Source 2	Source 3
316	Westchester	Cortlandt	Possible shipwreck					Anom	Near middle of channel about 1730 ft south of the Bear Mountain Bridge	Bath		
317	Westchester	Cortlandt	Possible shipwreck					Anom	Near middle of channel adjacent to Iona Island light	Bath		
318	Rockland	Bear Mountain	Possible shipwreck					Anom	Near middle of channel adjacent to Iona Island light	Bath		
319	Westchester	Cortlandt	Possible shipwreck					Anom	Near east bank of river across from Iona Island light	Bath		
320	Rockland	Bear Mountain	Possible shipwreck					Anom	Near north end of the east side of Iona Island	Bath		
321	Rockland	Bear Mountain	Possible shipwreck					Anom	Near middle point of the east side of Iona Island	Bath		
322	Rockland	Bear Mountain	Possible shipwreck					Anom	Near south end of the east side of Iona Island	Bath		
323	Westchester	Cortlandt	Possible shipwreck					Anom	Near east bank of river across from Round Island	Bath		
324	Westchester	Verplank	Possible shipwreck					Anom	Near middle of channel north of Verplank Point	Bath		
325	Rockland	Tomkins Cove	Possible shipwreck					Anom	Near middle of channel just north of the Tomkins Cover rock quarries	Bath		
326	Rockland	Tomkins Cove	Possible shipwreck					Anom	Near west bank of river adjacent to Tomkins Cove rock quarries	Bath		
327	Rockland	Tomkins Cove						Conf	Along west bank of river adjacent to Tomkins Cover rock quarries	NOAA		
328	Rockland	Tomkins Cove						Conf	Along west bank of river adjacent to Tomkins Cover rock quarries	NOAA		
329	Rockland	Tomkins Cove						Conf	Along west bank of river adjacent to Tomkins Cover rock quarries	NOAA		
330	Rockland	Tomkins Cove						Conf	Along west bank of river adjacent to Tomkins Cover rock quarries	NOAA		
331	Rockland	Tomkins Cove						Anom	Near west bank of river adjacent to Tomkins Cove rock quarries	Bath		
332	Rockland	Stony Point	Possible shipwreck					Anom	Near west bank of river east of Stony Point	Bath		
333	Rockland	Stony Point	Possible shipwreck					Anom	Near west bank of river just south of Stony Point	Bath		
334	Westchester	Verplank	Possible shipwreck					Anom	Near west side of Greens Cove across from Stony Point	Bath		
335	Westchester	Verplank	Possible shipwreck					Anom	Near west side of Greens Cove across from Stony Point	Bath		
336	Westchester	Montrose Point	Possible shipwreck					Anom	Near middle of channel across from Montrose Point	Bath		
337	Westchester	Montrose Point						Conf	Along east side of river at Montrose Point	NOAA		
338	Rockland	Stony Point	Possible shipwreck					Anom	Along east side of Stony Point Bay across from Georges Island	Bath		
339	Rockland	Grassy Point	Possible shipwreck					Anom	Along east side of Stony Point Bay northeast of Grassy Point	Bath		
340	Rockland	Congers						Conf	Along west side of river across from Croton Point	NOAA	Bath	
341	Rockland	Haverstraw	Possible shipwreck					Anom	Near west side of river adjacent to the Long Clove quarry	Bath		
342	Rockland	Congers						Conf	Near west bank of river across from Croton Point	NOAA	Bath	
343	Rockland	Congers	Possible shipwreck					Anom	Near west side of river across from Tellers Point	Bath		
344	Rockland	Congers	Possible shipwreck					Anom	Near west side of river across from Tellers Point	Bath		
345	Rockland	Congers						Conf	Near west side of river across from Tellers Point	NOAA	Bath	
346	Rockland	Congers	Possible shipwreck					Anom	Near west side of river across from Tellers Point	Bath		
347	Rockland	Congers	Possible shipwreck					Anom	Near west side of river adjacent to the Rockland Lake Golf Course	Bath		
348	Rockland	Congers	Possible shipwreck					Anom	Near west side of river adjacent to the Rockland Lake Golf Course	Bath		
349	Rockland	Congers						Conf	Near west side of river adjacent to the south end of the Rockland Lake Golf Course	NOAA	Bath	
350	Rockland	Congers	Possible shipwreck					Anom	Near west side of river across from the north end of Sing Sing Prison	Bath		
351	Rockland	Congers	Possible shipwreck					Anom	Near west side of river across from the north end of Sing Sing Prison	Bath		
352	Rockland	Congers						Conf	Along west shore of river adjacent to the north end of Rockland Lake	USGS	NOAA	

REPORTED SHIPWRECKS IN THE HUDSON RIVER, SPUYTEN DUYVIL CREEK, HARLEM RIVER, EAST RIVER, AND LONG ISLAND SOUND STUDY AREA

UR Site	County	General Location	Vessel Type	Vessel Name	Vessel Date	Shipwreck Date	Depth	Status	Notes	Source	Source 2	Source 3
353	Rockland	Congers						Conf	Along west shore of river adjacent to the north end of Rockland Lake	USGS	NOAA	
354	Rockland	Congers	Possible shipwreck					Anom	Near west side of river across from the south end of Sing Sing Prison	Bath		
355	Rockland	Congers	Possible shipwreck					Anom	Near middle of channel across from south end of Kemeys Cove	Bath		
356	Rockland	Congers	Possible shipwreck					Anom	Near middle of channel across from south end of Kemeys Cove	Bath		
357	Westchester	Ossining	Possible shipwreck					Anom	Near middle of channel across from south end of Kemeys Cove	Bath		
358	Westchester	Ossining	Possible shipwreck					Anom	Near middle of channel across from south end of Kemeys Cove	Bath		
359	Westchester	Ossining	Possible shipwreck					Anom	Near middle of channel across from vicinity of Sleepy Hollow Country Club	Bath		
360	Westchester	Ossining	Possible shipwreck					Anom	Near middle of channel across from vicinity of Sleepy Hollow Country Club	Bath		
361	Westchester	Mount Pleasant	Possible shipwreck					Anom	Near middle of channel across from vicinity of Sleepy Hollow Country Club	Bath		
362	Westchester	Mount Pleasant	Possible shipwreck					Anom	Near east side of river across from vicinity of Sleepy Hollow Country Club	Bath		
363	Westchester	Mount Pleasant	Possible shipwreck					Anom	Near east side of river across from vicinity of Sleepy Hollow Country Club	Bath		
364	Westchester	Mount Pleasant	Possible shipwreck					Anom	Near east side of river across from the vicinity of Archville	Bath		
365	Westchester	Mount Pleasant	Possible shipwreck					Anom	Near east side of the river across from the vicinity of Upper Nyack	Bath		
366	Westchester	Mount Pleasant	Possible shipwreck					Anom	Near east side of the river across from the vicinity of Upper Nyack	Bath		
367	Westchester	Mount Pleasant	Possible shipwreck					Anom	Near east side of the river across from the vicinity of Upper Nyack	Bath		
368	Westchester	Mount Pleasant	Possible shipwreck					Anom	Near east side of the river across from the vicinity of Upper Nyack	Bath		
369	Westchester	Sleepy Hollow	Possible shipwreck					Anom	Near east side of river adjacent to Sleepy Hollow Manor	Bath		
370	Westchester	Sleepy Hollow	Possible shipwreck					Anom	Near east side of river adjacent to Sleepy Hollow Manor	Bath		
371	Westchester	Sleepy Hollow						Conf	Near east bank of the river adjacent to Sleepy Hollow Manor	NOAA	Bath	
372	Westchester	Sleepy Hollow	Possible shipwreck					Anom	Near east side of river adjacent to Phillpse Manor	Bath		
373	Westchester	Sleepy Hollow	Possible shipwreck					Anom	Near east side of river adjacent to Phillpse Manor	Bath		
374	Westchester	Sleepy Hollow	Possible shipwreck					Anom	Near east side of river adjacent to Phillpse Manor	Bath		
375	Westchester	Sleepy Hollow	Possible shipwreck					Anom	Near east side of river adjacent Kingsland Point	Bath		
376	Westchester	Sleepy Hollow						Anom	Near east side of river west of Kingsland Point	Bath		
377	Westchester	Sleepy Hollow	Possible shipwreck					Anom	Near east side of river adjacent to the former General Motors Assembly Plant in Sleepy Hollow	Bath		
378	Westchester	Sleepy Hollow	Possible shipwreck					Anom	Near east side of river adjacent to the former General Motors Assembly Plant in Sleepy Hollow	Bath		
379	Westchester	Sleepy Hollow	Possible shipwreck					Anom	Near east side of river adjacent to the west end of Beekman Avenue	Bath		
380	Westchester	Sleepy Hollow	Possible shipwreck					Anom	Near east side of river just north of the vicinity of the Sleepy Hollow sewage treatment plant	Bath		
381	Westchester	Sleepy Hollow	Possible shipwreck					Anom	Near east side of river just north of the vicinity of the Sleepy Hollow sewage treatment plant	Bath		
382	Westchester	Sleepy Hollow	Possible shipwreck					Anom	Near east side of river adjacent to Sleepy Hollow sewage treatment plant	Bath		

REPORTED SHIPWRECKS IN THE HUDSON RIVER, SPUYTEN DUYVIL CREEK, HARLEM RIVER, EAST RIVER, AND LONG ISLAND SOUND STUDY AREA

UR Site	County	General Location	Vessel Type	Vessel Name	Vessel Date	Shipwreck Date	Depth	Status	Notes	Source	Source 2	Source 3
383	Westchester	Sleepy Hollow	Possible shipwreck					Anom	Near east side of river adjacent to Washington Irving Boat Club	Bath		
384	Westchester	Sleepy Hollow	Possible shipwreck					Anom	Near east side of river adjacent to Washington Irving Boat Club	Bath		
385	Westchester	Tarrytown	Possible shipwreck					Anom	Near east side of river adjacent to Lyndhurst	Bath		
386	Westchester	Irvington	Possible shipwreck					Anom	Near east side of river just north of the vicinity of Sunnyside	Bath		
387	Westchester	Irvington						Anom	Near east side of river just north of the vicinity of Sunnyside	Bath		
388	Westchester	Irvington						Anom	Near east side of river just north of the vicinity of Sunnyside	Bath		
389	Westchester	Irvington	Possible shipwreck					Anom	Near east side of river adjacent to Matthiessen Park	Bath		
390	Westchester	Irvington	Possible shipwreck					Anom	Near east side of river adjacent to the north end of Irvington	Bath		
391	Westchester	Irvington	Possible shipwreck					Anom	Near east side of river adjacent to the north end of Irvington	Bath		
392	Westchester	Irvington	Possible shipwreck					Anom	Near east side of river adjacent to the north end of Irvington	Bath		
393	Westchester	Irvington	Possible shipwreck					Anom	Near east side of river adjacent to the west end of Clinton Avenue	Bath		
394	Westchester	Irvington	Possible shipwreck					Anom	Near east side of river adjacent to the west end of Clinton Avenue	Bath		
395	Westchester	Irvington						Conf	Near east side of river adjacent to the west end of Clinton Avenue	NOAA	Bath	
396	Westchester	Ardsley-on-Hudson	Possible shipwreck					Anom	Near east side of river adjacent to Ardsley-on-Hudson	Bath		
397	Westchester	Ardsley-on-Hudson	Possible shipwreck					Anom	Near east side of river adjacent to Ardsley-on-Hudson	Bath		
398	Westchester	Ardsley-on-Hudson	Possible shipwreck					Anom	Near east side of river adjacent to Ardsley-on-Hudson	Bath		
399	Westchester	Dobbs Ferry	Possible shipwreck					Anom	Near east side of river adjacent to the mouth of the Wicker North Brook	Bath		
400	Westchester	Dobbs Ferry	Possible shipwreck					Anom	Near east side of river adjacent to the mouth of the Wicker North Brook	Bath		
401	Westchester	Dobbs Ferry						Conf	Near east bank of river near mount of the Wicker North Brook	NOAA	USGS	
402	Westchester	Dobbs Ferry						Conf	Near east bank of river adjacent to the south end of the Waterfront Park/Metro North parking lot	NOAA		
403	Westchester	Dobbs Ferry	Possible shipwreck					Anom	Near east side of river adjacent to the south end of Dobbs Ferry	Bath		
404	Westchester	Hastings-on-Hudson	Possible shipwreck					Anom	Near east side of river just north of the Town Ridge Yacht Club	Bath		
405	Westchester	Hastings-on-Hudson						Conf	Near east side of river just north of the Town Ridge Yacht Club	NOAA	Bath	
406	Westchester	Hastings-on-Hudson	Possible shipwreck					Anom	Near middle of channel just north of the Town Ridge Yacht Club	Bath		
407	Westchester	Hastings-on-Hudson	Possible shipwreck					Anom	Near east side of river adjacent to the Town Ridge Yacht Club	Bath		
408	Westchester	Hastings-on-Hudson	Possible shipwreck					Anom	Near east side of river adjacent to the Town Ridge Yacht Club	Bath		
409	Westchester	Hastings-on-Hudson	Possible shipwreck					Anom	Near east side of river just north of the Hastings-on-Hudson train station	Bath		
410	Westchester	Hastings-on-Hudson	Possible shipwreck					Anom	Near east side of river adjacent to the Hastings-on-Hudson train station	Bath		
411	Westchester	Hastings-on-Hudson	Possible shipwreck					Anom	Near east side of river adjacent to the Hastings-on-Hudson train station	Bath		

REPORTED SHIPWRECKS IN THE HUDSON RIVER, SPUYTEN DUYVIL CREEK, HARLEM RIVER, EAST RIVER, AND LONG ISLAND SOUND STUDY AREA

UR Site	County	General Location	Vessel Type	Vessel Name	Vessel Date	Shipwreck Date	Depth	Status	Notes	Source	Source 2	Source 3
412	Westchester	Hastings-on-Hudson	Possible shipwreck					Anom	Near east side of river adjacent to the Hastings-on-Hudson train station	Bath		
413	Westchester	Hastings-on-Hudson	Possible shipwreck					Anom	Near east side of river adjacent to the Hastings-on-Hudson train station	Bath		
414	Bergen	Palisades State Park	Possible shipwreck					Anom	Near middle of channel just south of the Bergen County border	Bath		
415	Westchester	Hastings-on-Hudson	Possible shipwreck					Anom	Near east side of river adjacent to the Hastings-on-Hudson train station	Bath		
416	Westchester	Hastings-on-Hudson	Possible shipwreck					Anom	Near middle of channel adjacent to the Hastings-on-Hudson train station	Bath		
417	Westchester	Hastings-on-Hudson	Possible shipwreck					Anom	Near east side of river just south of the Hastings-on-Hudson train station	Bath		
418	Westchester	Hastings-on-Hudson	Possible shipwreck					Anom	Near east side of river just south of the Hastings-on-Hudson train station	Bath		
419	Bergen	Palisades State Park	Possible shipwreck					Anom	Near middle of channel just south of the Hastings-on-Hudson train station	Bath		
420	Westchester	Hastings-on-Hudson	Possible shipwreck					Anom	Near east side of river just south of the Hastings-on-Hudson train station	Bath		
421	Westchester	Hastings-on-Hudson	Possible shipwreck					Anom	Near middle of channel adjacent to the Pioneer Boat Club	Bath		
422	Westchester	Hastings-on-Hudson	Possible shipwreck					Anom	Near middle of channel adjacent to the Pioneer Boat Club	Bath		
423	Westchester	Hastings-on-Hudson	Possible shipwreck					Anom	Near east side of river adjacent to the Pioneer Boat Club	Bath		
424	Westchester	Hastings-on-Hudson						Anom	Near east bank of river adjacent to Pioneer Boat Club	Bath		
425	Westchester	Hastings-on-Hudson						Anom	Near east bank of river adjacent to Pioneer Boat Club	Bath		
426	Westchester	Hastings-on-Hudson						Anom	Near east bank of river adjacent to Pioneer Boat Club	Bath		
427	Westchester	Hastings-on-Hudson	Possible shipwreck					Anom	Near east side of the river just north of the Palisade Boat Club	Bath		
428	Bergen	Palisades State Park	Possible shipwreck					Anom	Near middle of channel just north of the Palisade Boat Club	Bath		
429	Westchester	Hastings-on-Hudson	Possible shipwreck					Anom	Near middle of channel adjacent to the Palisade Boat Club	Bath		
430	Westchester	Hastings-on-Hudson						Conf	Near east side of the river adjacent to the Palisade Boat Club	NOAA		
431	Westchester	Hastings-on-Hudson	Possible shipwreck					Anom	Near east side of the river adjacent to the Palisade Boat Club	Bath		
432	Westchester	Hastings-on-Hudson	Possible shipwreck					Anom	Near east side of the river adjacent to the Palisade Boat Club	Bath		
433	Westchester	Greystone	Possible shipwreck					Anom	Near middle of channel adjacent to the Greystone train station	Bath		
434	Westchester	Greystone	Possible shipwreck					Anom	Near middle of channel adjacent to the Greystone train station	Bath		
435	Westchester	Yonkers	Possible shipwreck					Anom	Near middle of channel adjacent to Untermyer Park	Bath		
436	Bergen	Palisades State Park	Possible shipwreck					Anom	Near middle of channel just north of Untermyer Park	Bath		
437	Bergen	Palisades State Park	Possible shipwreck					Anom	Near middle of channel adjacent to Untermyer Park	Bath		
438	Bergen	Palisades State Park	Possible shipwreck					Anom	Near middle of channel adjacent to Untermyer Park	Bath		
439	Bergen	Palisades State Park	Possible shipwreck					Anom	Near middle of channel adjacent to Untermyer Park	Bath		
440	Bergen	Palisades State Park	Possible shipwreck					Anom	Near middle of channel adjacent to Untermyer Park	Bath		
441	Bergen	Palisades State Park	Possible shipwreck					Anom	Near west side of river adjacent to Untermyer Park in Yonkers	Bath		
442	Westchester	Yonkers	Possible shipwreck					Anom	Near middle of channel adjacent to Untermyer Park	Bath		
443	Westchester	Yonkers	Possible shipwreck					Anom	Near middle of channel adjacent to Untermyer Park	Bath		
444	Westchester	Yonkers	Possible shipwreck					Anom	Near middle of channel adjacent to Untermyer Park	Bath		
445	Westchester	Yonkers	Possible shipwreck					Anom	Near middle of channel adjacent to Untermyer Park	Bath		
446	Westchester	Yonkers	Possible shipwreck					Anom	Near middle of channel adjacent to Untermyer Park	Bath		

REPORTED SHIPWRECKS IN THE HUDSON RIVER, SPUYTEN DUYVIL CREEK, HARLEM RIVER, EAST RIVER, AND LONG ISLAND SOUND STUDY AREA

UR Site	County	General Location	Vessel Type	Vessel Name	Vessel Date	Shipwreck Date	Depth	Status	Notes	Source	Source 2	Source 3
447	Bergen	Palisades State Park	Possible shipwreck					Anom	Near west side of river adjacent to Untermyer Park in Yonkers	Bath		
448	Bergen	Palisades State Park	Possible shipwreck					Anom	Near west side of river adjacent to Untermyer Park in Yonkers	Bath		
449	Bergen	Palisades State Park	Possible shipwreck					Anom	Near west side of river adjacent to Untermyer Park in Yonkers	Bath		
450	Westchester	Yonkers	Possible shipwreck					Anom	Near middle of channel adjacent to Corinthian Boat Club	Bath		
451	Westchester	Yonkers	Possible shipwreck					Anom	Near middle of channel adjacent to Corinthian Boat Club	Bath		
452	Westchester	Yonkers	Possible shipwreck					Anom	Near middle of channel adjacent to Corinthian Boat Club	Bath		
453	Bergen	Palisades State Park	Possible shipwreck					Anom	Near west side of river just north of the JFK Marina and Park in Yonkers	Bath		
454	Westchester	Yonkers	Possible shipwreck					Anom	Near middle of channel adjacent to Corinthian Boat Club	Bath		
455	Bergen	Palisades State Park	Possible shipwreck					Anom	Near west side of river just north of the JFK Marina and Park in Yonkers	Bath		
456	Bergen	Palisades State Park	Possible shipwreck					Anom	Near middle of channel just north of the JFK Marina and Park in Yonkers	Bath		
457	Bergen	Palisades State Park	Possible shipwreck					Anom	Near middle of channel just north of the JFK Marina and Park in Yonkers	Bath		
458	Westchester	Yonkers	Possible shipwreck					Anom	Near middle of channel just north of the JFK Marina and Park	Bath		
459	Bergen	Palisades State Park	Possible shipwreck					Anom	Near west side of river just north of the JFK Marina and Park in Yonkers	Bath		
460	Bergen	Palisades State Park	Possible shipwreck					Anom	Near west side of river adjacent to Excelsior Dock in Palisades State Park	Bath		
461	Westchester	Yonkers						Conf	Near east side of river adjacent to JFK Marina and Park/Trevor Park	NOAA	Bath	
462	Bergen	Palisades State Park	Possible shipwreck					Anom	Near middle of channel adjacent to the Glenwood train station	Bath		
463	Bergen	Palisades State Park	Possible shipwreck					Anom	Near middle of channel adjacent to the Glenwood train station	Bath		
464	Bergen	Palisades State Park	Possible shipwreck					Anom	Near middle of channel adjacent to the west end of Point Street	Bath		
465	Bergen	Palisades State Park						Conf	Near middle of channel across from Alpine Boat Basin in Palisades State Park	NOAA	Bath	
466	Westchester	Yonkers	Possible shipwreck					Anom	Near east side of river just south on of the Alpine Boat Basin in Palisades State Park	Bath		
467	Westchester	Yonkers	Possible shipwreck					Anom	Near east side of river just south on of the Alpine Boat Basin in Palisades State Park	Bath		
468	Bergen	Palisades State Park						Conf	Near middle of channel across from the west end of Ashburton Avenue in Yonkers	NOAA	Bath	
469	Bergen	Palisades State Park						Conf	Near middle of channel across from the west end of Ashburton Avenue in Yonkers	NOAA	Bath	
470	Westchester	Yonkers						Conf	Along east bank of river adjacent to the west end of Ashburton Street	NOAA	Bath	
471	Westchester	Yonkers						Conf	Along east bank of river adjacent to the Yonkers train station	NOAA		
472	Westchester	Yonkers	Possible shipwreck					Anom	Near east bank of river adjacent to Yonkers City Hall	Bath		
473	Westchester	Yonkers	Possible shipwreck					Anom	Near east side of river adjacent to the west end of Vark Street	Bath		
474	Westchester	Yonkers	Possible shipwreck					Anom	Near east side of river adjacent to the west end of Vark Street	Bath		
475	Westchester	Yonkers	Possible shipwreck					Anom	Near east side of river adjacent to the west end of Vark Street	Bath		

REPORTED SHIPWRECKS IN THE HUDSON RIVER, SPUYTEN DUYVIL CREEK, HARLEM RIVER, EAST RIVER, AND LONG ISLAND SOUND STUDY AREA

UR Site	County	General Location	Vessel Type	Vessel Name	Vessel Date	Shipwreck Date	Depth	Status	Notes	Source	Source 2	Source 3
476	Westchester	Yonkers	Possible shipwreck					Anom	Near east bank of river adjacent to the Ludlow train station	Bath		
477	Westchester	Yonkers	Possible shipwreck					Anom	Near east bank of river adjacent to the Ludlow train station	Bath		
478	Westchester	Yonkers	Possible shipwreck					Anom	Near middle of channel across from Huylers Landing in Bergen County, NJ	Bath		
479	Westchester	Yonkers	Possible shipwreck					Anom	Near middle of channel just south of Huylers Landing in Bergen County, NJ	Bath		
480	Bergen	Palisades State Park	Possible shipwreck					Anom	Near middle of channel across from the mouth of Green Brook	Bath		
481	Westchester	Yonkers	Possible shipwreck					Anom	Near east side of river across from the mouth of Green Brook in Palisades State Park, Bergen County, NJ	Bath		
482	Bergen	Palisades State Park	Possible shipwreck					Anom	Near middle of channel across from Yonker sewage treatment facility	Bath		
483	Bergen	Palisades State Park	Possible shipwreck					Anom	Near middle of channel across from Yonker sewage treatment facility	Bath		
484	Bronx	Riverdale						Conf	Near east side of river just south of the New York City boundary	NOAA	Bath	
485	Bergen	Palisades State Park	Possible shipwreck					Anom	Near middle of channel adjacent to Lambiers Dock	Bath		
486	Bergen	Palisades State Park	Possible shipwreck					Anom	Near middle of channel adjacent to Lambiers Dock	Bath		
487	Bronx	Riverdale	Possible shipwreck					Anom	Near east side of river across from Lambiers Dock in Bergen County, NJ	Bath		
488	Bronx	Riverdale	Possible shipwreck					Anom	Near east side of river across from Lambiers Dock in Bergen County, NJ	Bath		
489	Bronx	Riverdale	Possible shipwreck					Anom	Near east side of river across from Lambiers Dock in Bergen County, NJ	Bath		
490	Bronx	Riverdale	Possible shipwreck					Anom	Near east side of river across from Lambiers Dock in Bergen County, NJ	Bath		
491	Bronx	Riverdale	Possible shipwreck					Anom	Near east side of river just north of the Riverdale train station	Bath		
492	Bronx	Riverdale	Possible shipwreck					Anom	Near east side of river adjacent to Riverdale Park	Bath		
493	Bronx	Riverdale	Possible shipwreck					Anom	Near east side of river adjacent to Riverdale Park	Bath		
494	Bergen	Englewood	Possible shipwreck					Anom	Near middle of channel across from Powder Dock	Bath		
495	Bronx	Riverdale	Possible shipwreck					Anom	Near east side of river adjacent to Riverdale Park	Bath		
496	Bergen	Englewood	Possible shipwreck					Anom	Near middle of channel across from Powder Dock	Bath		
497	Bergen	Englewood	Possible shipwreck					Anom	Near middle of channel across from Powder Dock	Bath		
498	Bronx	Riverdale						Conf	Near middle of channel adjacent to Riverdale Park	NOAA	Bath	
499	Bronx	Riverdale	Possible shipwreck					Anom	Near east side of river adjacent to the south end of Riverdale Park	Bath		
500	Bronx	Riverdale	Possible shipwreck					Anom	Near east side of river adjacent to the south end of Riverdale Park	Bath		
501	Bronx	Riverdale	Possible shipwreck					Anom	Near east side of river adjacent to the south end of Riverdale Park	Bath		
502	Bronx	Riverdale	Possible shipwreck					Anom	Near east side of river adjacent to the south end of Riverdale Park	Bath		
503	Bronx	Riverdale	Possible shipwreck					Anom	Near east side of river adjacent to the south end of Riverdale Park	Bath		
504	Bronx	Riverdale	Possible shipwreck					Anom	Near east bank of river adjacent to the west end of 232nd Street	Bath		
505	Bronx	Spuyten Duyvil	Possible shipwreck					Anom	Near east bank of river just north of the mouth of the Spuyten Duyvil Creek	Bath		
506	Bronx	Spuyten Duyvil	Possible shipwreck					Anom	Near east bank of river just north of the mouth of the Spuyten Duyvil Creek	Bath		

REPORTED SHIPWRECKS IN THE HUDSON RIVER, SPUYTEN DUYVIL CREEK, HARLEM RIVER, EAST RIVER, AND LONG ISLAND SOUND STUDY AREA

UR Site	County	General Location	Vessel Type	Vessel Name	Vessel Date	Shipwreck Date	Depth	Status	Notes	Source	Source 2	Source 3
507	Bronx	Spuyten Duyvil	Possible shipwreck					Anom	Near east bank of river just north of the mouth of the Spuyten Duyvil Creek	Bath		
508	Bronx	Spuyten Duyvil	Possible shipwreck					Anom	Near east bank of river just north of the mouth of the Spuyten Duyvil Creek	Bath	NOAA	
509	Bronx	Spuyten Duyvil	Possible shipwreck					Anom	Near east bank of river just north of the mouth of the Spuyten Duyvil Creek	Bath	NOAA	
510	Bronx	Spuyten Duyvil	Possible shipwreck					Anom	Near east bank of river adjacent to the mouth of the Spuyten Duyvil Creek	Bath		
511	Bronx	Spuyten Duyvil	Possible shipwreck					Anom	Near east bank of river adjacent to the mouth of the Spuyten Duyvil Creek	Bath		
512	Bronx	Spuyten Duyvil	Possible shipwreck					Anom	Near east bank of river adjacent to the mouth of the Spuyten Duyvil Creek	Bath		
513	New York	Manhattan						Conf	Near east side of Manhattan Island west of Mill Rock	NOAA		
514	New York	Manhattan						Conf	Near east side of Manhattan Island west of Mill Rock	NOAA		
515	New York	Manhattan						Conf	Near east side of Manhattan Island west of Mill Rock	NOAA		
516	New York	Manhattan						Conf	Near east side of Manhattan Island west of Mill Rock	NOAA		
517	Bronx	North Brother Island						Conf	West of North Brother Island across from the east end of East 138th Street	NOAA		
518	Bronx	North Brother Island						Conf	Northwest of North Brother Island across from the east end of East 141st Street	NOAA		
519	Bronx	North Brother Island						Conf	Northwest of North Brother Island across from the east end of East 141st Street	NOAA		
520	Bronx	North Brother Island						Conf	Northwest of North Brother Island across from the east end of East 141st Street	NOAA		
521	Bronx	Rikers Island						Conf	Near northwest corner of Rikers Island	NOAA		
522	Bronx	Rikers Island						Conf	Near northwest corner of Rikers Island	NOAA	USGS	
523	Bronx	Hunts Point						Conf	Near middle of channel south of Hunts Point	NOAA		
524	Bronx	Rikers Island						Conf	Along north side of Rikers Island	NOAA	USGS	
525	Bronx	Rikers Island						Conf	Along north side of Rikers Island	NOAA	USGS	
526	Bronx	Barretto Point Park						Conf	Along north edge of river just west of Barretto Point Park	NOAA		
527	Bronx	Barretto Point Park						Conf	Along north edge of river just west of Barretto Point Park	NOAA	USGS	
528	Bronx	Hunts Point						Conf	Near north edge of river just east of Hunts Point	NOAA		
529	Bronx	Clason Point						Conf	Near middle of channel adjacent to the west side of Clason Point	NOAA		
530	Bronx	Clason Point						Conf	Near north side of river immediately east of Clason Point	NOAA		
531	Bronx	Old Ferry Point						Conf	Near south side of river adjacent to the west end of Old Ferry Point	NOAA		
532	Bronx	Old Ferry Point						Conf	Near north side of the river immediately east of Old Ferry Point	NOAA		
533	Bronx	Whitestone Point						Conf	Near south side of river immediately north of Whitestone Point	NOAA		
534	Bronx	Whitestone Point						Conf	Near south side of river immediately north of Whitestone Point	NOAA		
535	Bronx	Whitestone Point						Conf	Near middle of channel northeast of Whitestone Point	NOAA		
536	Bronx	Throgs Point						Conf	Near east end of cove between Old Ferry Point and Throgs Neck	NOAA		
537	Bronx	Throgs Point						Conf	Near east end of cove between Old Ferry Point and Throgs Neck	NOAA		
538	Bronx	Throgs Point						Conf	Near east end of cove between Old Ferry Point and Throgs Neck	NOAA		
539	Bronx	Cryders Point						Conf	Near south side of river 3225 feet west of Throgs Neck Bridge	NOAA		
540	Bronx	Throgs Point						Conf	Near middle of channel immediately west of Throgs Neck Bridge	NOAA		

REPORTED SHIPWRECKS IN THE HUDSON RIVER, SPUYTEN DUYVIL CREEK, HARLEM RIVER, EAST RIVER, AND LONG ISLAND SOUND STUDY AREA

UR Site	County	General Location	Vessel Type	Vessel Name	Vessel Date	Shipwreck Date	Depth	Status	Notes	Source	Source 2	Source 3
541	Bronx	Throgs Point						Conf	Near north side of river immediately east of Throgs Neck Bridge	NOAA		
542	Bronx	Throgs Point						Conf	Near middle of channel south of Throgs Point	NOAA		
543	Bronx	Throgs Point						Conf	Near middle of channel between Throgs Points and Willets Point	NOAA		
544	Bronx	Throgs Point						Conf	About 1775 feet northeast of Throgs Point	NOAA		
545	Bronx	Locust Point						Conf	About 3325 feet ENE of Locust Point	NOAA		
546	Bronx	Stepping Stones Light						Conf	About 3170 feet WSW of Stepping Stones Light	NOAA		
547	Bronx	Stepping Stones Light						Conf	About 2835 feet west of Stepping Stones Light	NOAA		
548	Bronx	Belden Point						Conf	About 1845 feet SSE of Belden Point	NOAA		
549	Nassau	Stepping Stones Light						Conf	About 2475 feet NNE of Stepping Stones Light	NOAA		
550	Nassau	Kings Point						Conf	About 3445 feet west of Kings Points	NOAA		
551	Nassau	Hewlett Point						Conf	About 2190 feet WNW of Hewlett Point	NOAA		
552	Nassau	Hewlett Point						Conf	About 2245 feet northwest of Hewlett Point	NOAA		
553	Bronx	Hart Island						Conf	About 1920 feet east of the east side of Hart Island	NOAA		
554	Bronx	Hart Island						Conf	About 1920 feet east of the east side of Hart Island	NOAA		
555	Bronx	Hart Island						Conf	About 1920 feet east of the east side of Hart Island	NOAA		
556	Bronx	Hart Island						Conf	About 1920 feet east of the east side of Hart Island	NOAA		
557	Bronx	Hart Island						Conf	About 5085 feet east of the north end of Hart Island	NOAA		
558	Nassau	Sands Point						Conf	About 5210 feet NNW of Sands Point	NOAA		
559	Westchester	Execution Rocks						Conf	West of Execution Rocks	NOAA		
560	Westchester	Execution Rocks						Conf	West of Execution Rocks	NOAA		
561	Westchester	Execution Rocks						Conf	West of Execution Rocks	NOAA		
562	Westchester	Execution Rocks						Conf	Northwest of Execution Rocks	NOAA		
563	Westchester	Middle Ground						Conf	East of Middle Ground Island	NOAA		
564	Westchester	Middle Ground						Conf	East of Middle Ground Island	NOAA		
565	Westchester	Crab Island						Conf	About 8900 feet south of Crab Island	NOAA		
566	Westchester	Forbes Rocks						Conf	About 9525 feet south of Forbes Rocks	NOAA		
567	Bronx	East Nonation						Conf	About 3990 feet east of East Nonation Island	R. Christopher Goodwin and Assoc., Inc. 2000		
568	Westchester	Pea Island						Conf	About 3275 feet ESE of Pea Island	R. Christopher Goodwin and Assoc., Inc. 2000		
569	Westchester	Pea Island						Conf	About 3740 feet east of Pea Island	R. Christopher Goodwin and Assoc., Inc. 2000		
570	Ulster	East Kingston						Anom	Near west bank of river just south of the northern corporate boundary of the City of Kingston	Bath		
571	Bergen	Palisades State Park						Anom	About 2960 feet WNW of the mouth of the Spuyten Duyvil Creek	Bath		
573	Fairfield	Westcott Cove						Conf	About 15,230 feet south of the west end of Westcott Cove	NOAA		

APPENDIX 4: NRL/NRE Properties and NHLs

NATIONAL REGISTER-LISTED HISTORIC PROPERTIES LOCATED WITHIN THE PROJECT'S STUDY AREA

Map ID	County	Municipality	Type	NYS OPRHP Site No.	NRL No.	Site Identifier	National Historic Landmark	Address
1	Clinton	Plattsburgh	site	01940.000007	90NR00172	Plattsburgh Bay National Historic Landmark	NHL	Cumberland Bay
2	Clinton	Peru	site	01911.000009	90NR00171	Valcour Bay	NHL	Valcour Bay
3	Essex	Chesterfield		03101.000001	90NR00459	Elkanah Watson House	NHL	Lake Street
4	Essex	Willsboro		03117.000042	92NR00408	Adsit Log House		Point Road
5	Essex	Willsboro		03117.000024	90NR00473	Edgewater Farm		470 Point Road
6	Essex	Willsboro		03117.000004	05NR05528	Flat Rock Camp		70 Willsboro Point Road
7	Essex	Willsboro	building	03117.000043	94NR00737	Sheldon-Owens Farm		Lake Shore Road
8	Essex	Willsboro	building	03117.000039	90NR02913	Abraham Aiken House		Lake Shore Road
9	Essex	Essex	district	multiple	90NR00465	Essex Village Historic District		Village of Essex
10	Essex	Westport	site	03116.000156	97NR01227	Champlain II Shipwreck		Lake Champlain
11	Essex	Westport	district	multiple	93NR00505	Camp Dudley Road Historic District		Bounded by Rte 22, Lake Champlain, Stacey Brook, and village line
12	Essex	Port Henry		03146.000005, 71-73	90NR00494	Van Ornam and Murdock Block		Main Street
13	Essex	Port Henry	building	03146.000100	95NR00824	Moriah Town Office Building		Cedar Street
14	Essex	Port Henry		03146.000020	95NR00823	Delaware and Hudson Railroad Depot		Park Place
15	Essex	Crown Point		03102.000192	07NR05748	Lake Champlain Bridge		Crosses Lake Champlain between Crown Point, NY & Chimney Point, VT
16	Essex	Crown Point		03102.000036	90NR00460	Fort St. Frederic	NHL	SR 3 and US 9N
17	Essex	Crown Point		03102.000016	90NR00461	Fort Crown Point	NHL	Northeastern point of Crown Point
18	Essex	Ticonderoga		03115.000002	90NR00472	Fort Ticonderoga	NHL	Both sides of Lake Champlain between Ticonderoga, NY and Orwell, VT
19	Washington	Whitehall		multiple	90NR02754	Main Street Historic Bridge		Main Street, Williams Street
20	Washington	Whitehall	building	11541.000003	90NR02753	Skene Manor		Mountain Terrace
21	Washington	Whitehall		11541.000343	90NR02755	US Post Office - Whitehall		88 Broadway
22	Washington and Saratoga	multiple		multiple	90NR02762	Old Champlain Canal		Troy to Whitehall
23	Washington	Fort Edward		11542.000039, .000040	90NR02757	Old Fort House and Toll House		29 Broadway, US 4
24	Saratoga	Northumberland	building	09114.000010	03NR05115	Col. Sidney Berry House		725 West River Rd
25	Washington	Fort Edward		11506.000006, .000053-55	96NR01058	Fort Miller Reformed Church		Fort Miller Road
26	Saratoga	Saratoga	building	09116.000132	02NR01910	Marshall House		136 NY 32 North
27	Saratoga	Stillwater	site	09117.000007	90NR02592	Saratoga National Historical Park		Town of Stillwater, west of Champlain Canal
59	Albany	Coeymans		00103.000304	99NR01476	Mull House and Cemetery		65 Fox Street
60	Greene	New Baltimore	district	03912.000020-107	96NR00928	New Baltimore Hamlet Historic District		Mill Street, South Main Street, Main Street, NYS 144, Madison Avenue East, New Street, Washington Avenue, Church Street
61	Columbia	Stuyvesant	site	02117.000006	90NR00243	R. and W. Scott Ice Company Powerhouse and Ice House Site		NY 9J and NY Central RR Tracks, Hudson River
62	Columbia	Stuyvesant	building	02117.000112	04NR05217	Lynch Hotel		41 Ferry Road
63	Greene	Coxsackie	district	03941.000005-34	90NR00553	Reed Street Historic District		Reed Street, Mansion Street, Ely Street, River Street, South River Street
64	Columbia	Hudson	district	Multiple	90NR00252	Hudson Historic District		City of Hudson
65	Greene	Athens		03942.000599	90NR00554	Hudson/Athens Lighthouse		Hudson River

NATIONAL REGISTER-LISTED HISTORIC PROPERTIES LOCATED WITHIN THE PROJECT'S STUDY AREA

Map ID	County	Municipality	Type	NYS OPRHP Site No.	NRL No.	Site Identifier	National Historic Landmark	Address
66	Greene	Catskill	district	03940.000003-600, 701-702, 821-828, 938, 1114, 1117-1126	90NR00548	Eastside Historic District		Several streets on the eastside of Catskill
67	Columbia	Livingston		02114.000019-31	90NR00236	Oak Hill		Oak Hill Road
68	Columbia	Clermont	district	02106.000012-65, 110, 118-144, 163-174, 207-215, 237-242	90NR00221	Clermont Estates Historic District		Woods Road, CR 35
69	Dutchess and Columbia	Tivoli, Annandale, Barrytown, Rhinecliff, Staatsburg	district	multiple	92NR00302	Hudson River Heritage Historic District	NHL	East side of Hudson River between Germantown and Staastburg
70	Columbia	Clermont		02106.000062-63, 110	90NR00218	Clermont	NHL	Woods Road, CR 35
71	Ulster	Saugerties		11142.000010	90NR01108	Saugerties Lighthouse		Hudson River at Esopus Creek
72	Ulster	Ulster	building	11118.000054	05NR05471	Benjamin Ten Broeck House		1019 Flatbush Road
73	Ulster	Kingston		11140.000036	90NR01098	Kingston/Rondout 2 Lighthouse		Hudson River at Rondout Creek
74	Dutchess	Rhinebeck		02716.000197	90NR00348	Riverside Methodist Church and Parsonage		Charles Street
75	Dutchess	Rhinebeck		02716.000231	90NR00342	O'Brien General Store and Post Office		Schatzell Street
76	Dutchess	Rhinebeck		02716.000196	90NR00347	Rhinecliff Hotel		Schatzell Street
77	Dutchess	Rhinebeck		02716.000169	90NR00341	Morton Memorial Library		Kelly Street
78	Dutchess	Rhinebeck		02716.000195	90NR00333	Free Church Parsonage		Grinnell Street
79	Ulster	Esopus		11102.000013	90NR01056	Esopus Meadows Lighthouse		Island in Hudson River
80	Ulster	Esopus	building	11102.000047	02NR04900	Col. Oliver Hazard Payne Mansion		US 9W
81	Ulster	Esopus		11102.000003	90NR01057	John Burroughs Riverby Study	NHL	At Riverby
82	Dutchess	Hyde Park		02707.000015, 518-550	90NR00307	Vanderbilt Mansion National Historic Site		US 9, Albany Post Road
83	Dutchess	Hyde Park		02707.000079	90NR00303	Hyde Park Railroad Station		River Road, CR 103
84	Dutchess	Hyde Park		02707.000482-517	90NR00306	Home of Franklin D. Roosevelt National Historic Site		US 9, Albany Post Road
85	Dutchess	Hyde Park		02707.000106	90NR02904	St. Andrew's Novitiate		Albany Post Road, US 9
86	Dutchess	Hyde Park		02707.000108	90NR02902	Roosevelt Point Cottage and Boathouse		River Point Road
87	Dutchess	Hyde Park		02707.000116	90NR02901	Isaac Roosevelt House		Riverview Circle
88	Ulster	Lloyd		11107.000002	90NR01068	Anthony Yelverton House		39 Maple Avenue
89	Dutchess	Poughkeepsie	structure	02740.000025	90NR00370	Poughkeepsie Railroad Bridge		US 44, NY 55
90	Dutchess	Poughkeepsie		02740.000106	96NR00984	Hoffman House		North Water Street, south of Dutchess Avenue
91	Dutchess	Poughkeepsie		02740.000105	96NR00983	Innis Dye Works		80 North Water Street
92	Dutchess	Poughkeepsie	object	02740.000863	03NR05148	Sloop Clearwater		Poughkeepsie Waterfront
93	Ulster	Marlborough		11109.000006	07NR05701	Milton Railroad Station		Along Westshore division of NYC RR, Route 9W
94	Dutchess	Poughkeepsie		02714.000202	90NR00314	Adolph Brower House		1 Water Street
95	Dutchess	Poughkeepsie		02714.000196	90NR00313	Abraham Brower House		2 Water Street
96	Dutchess	Poughkeepsie		02714.000205	90NR00318	Zion Memorial Chapel		37 Point Street
97	Dutchess	Wappinger	district	multiple	90NR03290	Wheeler Hill Historic District		Old Troy Road, Wheeler Hill Road, New Hamburg Road
98	Orange	Newburgh	district	multiple	90NR02320	East End Historic District		multiple streets within the City of Newburgh
99	Dutchess	Fishkill		02706.000034	90NR00299	Bannerman's Island Arsenal		Pollepel Island
100	Orange	Highlands		07109.000060	90NR02300	Storm King Highway		NY 218, Storm King Highway between Lee Road and Cornwall Village Line
101	Putnam	Cold Spring		07942.000001	90NR02387	West Point Foundary		Kemble Avenue
102	Orange	Highlands		multiple	90NR02302	U.S. Military Academy	NHL	
103	Putnam	Philipstown		07904.000044	90NR02365	Eagle's Rest		NY 9D south of Indian Brook Road

NATIONAL REGISTER-LISTED HISTORIC PROPERTIES LOCATED WITHIN THE PROJECT'S STUDY AREA

Map ID	County	Municipality	Type	NYS OPRHP Site No.	NRL No.	Site Identifier	National Historic Landmark	Address
104	Putnam	Philipstown	district	07904.000133-149	90NR02366	Garrison Landing Historic District		Depot Square, Dock Street
105	Orange	Highland Falls		07143.000001	90NR02329	Highland Falls Railroad Depot		Station Road at Hudson River
106	Orange	Highland Falls		07143.000056	90NR02336	Webb Lane House		Webb Lane
107	Orange	Highland Falls		07143.000053	90NR02332	Parry House		Michel Road, east of Webb Lane
108	Orange	Highland Falls		07143.000061	90NR02334	The Squirrels		255 Main Street
109	Orange	Highland Falls		07143.000058	90NR02333	Pine Terrace		Main Street
110	Orange	Highland Falls		07143.00004-6	90NR02335	Stonihurst		NY 218
111	Orange	Highlands	district	07109.000001, 21, 24-58, 08705.000006-18, 59-61	91NR00060	Bear Mountain State Park Historic District		
112	Rockland and Westchester	Stony Point and Cortlandt		08705.000034-35, 11902.000040	90NR02410	Bear Mountain Bridge and Toll House		US 6, US 202
113	Westchester	Cortlandt		11902.000009, 32	90NR02432	Bear Mountain Bridge Road		US 6, Bear Mountain Bridge Road
114	Rockland	Stony Point		08705.000032	90NR02409	Stony Point Lighthouse		Park Road
115	Rockland	Stony Point	site	08705.000031	90NR02408	Stony Point Battlefield	NHL	Park Road
116	Westchester	Sleepy Hollow		11960.000001	90NR02546	Tarrytown Lighthouse		Kingsland Point
117	Westchester	Tarrytown		11950.000325	90NR02518	Sunnyside	NHL	Sunnyside Lane
118	Westchester	Tarrytown		11950.000006	90NR02519	Lyndhurst	NHL	635 South Broadway
119	Westchester	Yonkers	district	11940.000374-377, 560-563	90NR02472	Bell Place-Locust Avenue Historic District		Locust Hill Avenue, Bell Place
120	Westchester	Yonkers		11940.000618	90NR02462	Philipse Manor Hall	NHL	29 Warburton Avenue
121	Westchester	Yonkers		11940.000886	90NR02477	US Post Office - Yonkers		79-81 Main Street
122	Westchester	Yonkers		11940.000362	01NR01765	Yonkers Trolley Barn		92 Main Street
123	Westchester	Yonkers		11940.000438	90NR02467	St. John's Protestant Episcopal Church		13 Hudson Street
124	Bronx	Bronx		00501.000718	90NR00066	Edgehill Church of Spuyten Duyvil		2550 Independence Avenue
125	New York	Manhattan		06101.015218	05NR05430	207th Street Yard - Signal Service Building and Tower B		West 215th Street
126	Bronx	Bronx		00501.000723-726	90NR00050	Hall of Fame Complex		Sedgwick Avenue, Hall of Fame Terrace
127	Bronx, New York	Bronx, Manhattan		00501.000738, 06101.001643	90NR00856 or 90NR00059	Washington Bridge		Between Amsterdam and Undercliff Avenues over Harlem River
128	Bronx, New York	Bronx, Manhattan		00501.000753, 061001.00424, 06101.006666	90NR00923	High Bridge Aqueduct and Tower - Part of Old Croton Aqueduct	NHL	West 170th, 173rd, and 174th Streets
129	New York	Manhattan		06101.006459-6461	90NR00946	Harlem River Houses		Adam Clayton Powell Jr. Blvd, Seventh Ave, Macombs Pl, West 151st St.
130	New York	Manhattan		06101.007089	93NR00511	369th Regiment Armory		2366 Fifth Avenue
131	Bronx	Bronx		00501.000006, 00501.000707, 00501.000807-819	90NR00044	Fort Schuyler		SUNY Maritime College
132	Nassau	Kings Point	building	05939.000136	05NR05460	Stepping Stones Light Station		Long Island Sound
133	Nassau	North Hempstead	building	05902.001483	06NR05652	Execution Rocks Light Station		Long Island Sound
134	Washington	Fort Edward	building	11542.000081	96NR01031	Saint James Episcopal Church		112 Broadway, US 4
135	Saratoga	Northumberland	building	09114.000043	95NR00802	Dutch Reformed Church of Gansevoort		10 Catherine Street
136	Saratoga	Northumberland		09114.000008	90NR02591	Gansevoort Mansion		NY 32, west of Stump Street

NATIONAL REGISTER-LISTED HISTORIC PROPERTIES LOCATED WITHIN THE PROJECT'S STUDY AREA

Map ID	County	Municipality	Type	NYS OPRHP Site No.	NRL No.	Site Identifier	National Historic Landmark	Address
137	Schenectady	Schenectady	district	09340.000006, 440, 441, 493, 519-710	90NR02661	Union Street Historic District		Union Street, Nott Terrace
138	Schenectady	Schenectady	district	09340.000008-77, 725, 728, 819-1129	90NR02654	Stockade Historic District		multiple streets within Schenectady
139	Schenectady	Schenectady	building	09340.001130	90NR02665	Central Fire Station		155 Erie Blvd
140	Schenectady	Schenectady		09340.001134	90NR02656	General Electric Research Laboratory	NHL	Erie Blvd and Washington Avenue
141	Fairfield	Bridgeport			89NR01478	Tongue Point Lighthouse		West side of Bridgeport Harbor at Tongue Point

NATIONAL REGISTER-ELIGIBLE HISTORIC PROPERTIES IDENTIFIED WITHIN THE PROJECT'S STUDY AREA

Map ID	County	Municipality	Type	OPRHP Site No.	Site Identifier	Address
1	Clinton	Champlain	building	01905.000057	Building S3	138 Lake Street
2	Clinton	Rouses Point		01945.000024	Kaufman Building	103 Lake Street
3	Clinton	Rouses Point	building	01945.000033		123 Lake Street
4	Clinton	Rouses Point	structure	01945.000034		99 Lake Street
5	Clinton	Rouses Point		01945.000020	St. Patrick's Church	Lake Street
6	Clinton	Rouses Point	building	01945.000005	stone store	Lake Street
7	Clinton	Rouses Point		01945.000017	Dodge Memorial Library	144 Lake Street
8	Clinton	Rouses Point		01945.000018	Spiegel Residence	188 Lake Street
9	Clinton	Rouses Point	building	01945.000003	gas station	221 Lake Street
10	Clinton	Beekmantown		01903.000007	Pointe Aux Roches Lighthouse	
11	Essex	Crown Point		03102.000124	C. Murdock House	Bridge Road
12	Essex	Crown Point		03102.000053	Railroad Depot	Depot Street
13	Washington	Whitehall	building	11517.000048		13 Division
14	Washington	Whitehall	building	11517.000055	Georgianna Constantino House	1 Maple Street
15	Washington	Whitehall	building	11541.000377	McMore Residence	100 Broadway
16	Washington	Whitehall	building	11541.000378	Juckett Residence	102 Broadway
17	Washington	Whitehall	building	11541.000395		104 Broadway
18	Washington	Whitehall	building	11541.000391		94 Broadway
19	Washington	Whitehall	building	11541.000392		96 Broadway
20	Washington	Whitehall	building	11541.000394		98 Broadway
21	Washington	Whitehall	building	11541.000416		114-18 Broadway
22	Washington	Whitehall	building	11541.000408		134 Broadway
23	Washington	Whitehall	building	11541.000355	Eugene Bennett House	58 William Street
24	Washington	Fort Ann		11505.000088	Dewey's Bridge	Dewey's Bridge Road over Champlain Canal
25	Washington	Fort Ann	building	11505.000046	Great Meadow Correctional Facility	NY 22
26	Washington	Fort Ann	building	11505.000108	First Baptist Church of Comstock	NY 22
27	Washington	Fort Ann	structure	11546.000015	Clay Hill Road Bridge	Clay Hill Road over Champlain Canal
28	Washington	Fort Ann	building	11546.000008	Freight Station	Anne Street east of George Street
29	Washington	Fort Ann		11546.000013	wagon shop	Anne Street east of George Street
30	Washington	Fort Ann		11546.000014	L. Corning Store and Post Office	George St., US 4
31	Washington	Kingsbury	structure	11513.000063	metal truss bridge	Baldwin's Corners Road over Champlain Canal
32	Washington	Kingsbury		11513.000039	Smith's Basin spillway	NY 149, CR 41 Old Champlain Canal to Wood's Creek
33	Washington	Kingsbury	building	11513.000057	Wright Farmstead	2323 NYS 149
34	Washington	Fort Edward	structure	11506.000631	East Street Bridge (BIN 4418100)	East Street over Barge Canal
35	Washington	Kingsbury		11513.000040	Ezekiel Smith Residence	CR 41, west of NY 149
36	Washington	Fort Ann	building	11505.000109	Great Meadow Correction Filtration Plant	West side of access road to Washington Correctional Facility Annex
37	Washington	Fort Ann	building	11505.000110	Great Meadow Correctional Firehouse	West side of access road to Washington Correctional Facility Annex
243	Albany	Coeymans	building	00103.000068		10 Dock St.
244	Albany	Coeymans	building	00103.000312	N.H. Johnson/N.J. Briggs House	12 Dock St.
245	Albany	Coeymans	building	00103.000069		8 Dock St.
246	Columbia	Stuyvesant	building	02117.000115	James Lynch Residence	33 Ferry Rd.
247	Columbia	Greenport	structure	02111.000071	Rip Van Winkle Bridge	NY 23, spans Hudson River
248	Columbia	Hudson	building	02140.000710	Hudson and Boston Railroad Shop	Water Street and Broad Street
249	Greene	Catskill	structure	03940.001129	Rip Van Winkle Bridge and Toll House	NY 23 Bridge Approach, east of Hamburgh Rd
250	Dutchess	Poughkeepsie		02714.000349	Cornell Boathouse	Longview Park on Marist College Campus

NATIONAL REGISTER-ELIGIBLE HISTORIC PROPERTIES IDENTIFIED WITHIN THE PROJECT'S STUDY AREA

Map ID	County	Municipality	Type	OPRHP Site No.	Site Identifier	Address
251	Dutchess	Poughkeepsie	building	02714.000382	Wisconsin Boathouse	Clearwater Road
252	Dutchess	Poughkeepsie	building	02740.000810	Johnson Plumbing Complex	35 Main Street and North Water Street
253	Dutchess	Poughkeepsie	structure	02740.000791	Mid-Hudson Bridge	US 44 across Hudson River
254	Dutchess	Beacon	structure	02741.000415	Metro-North RR Bridge BIN 5524010	Dennings Avenue Extension
255	Rockland	Stony Point	structure	08705.000064	Iona Island	Iona Island
256	Westchester	Tarrytown	structure	11950.000388	Tappan Zee Bridge	NYS Thruway
257	Westchester	Yonkers	building	11940.001087	Yonkers Canoe Club	Alexander Street
258	Westchester	Yonkers	building	11940.001048	North Yonkers Pumping Station	11-19 Alexander Street
259	Westchester	Yonkers	building	11940.001047		21 Alexander Street
260	Westchester	Yonkers	building	11940.001049		24 Alexander Street
261	Westchester	Yonkers		11940.000364	Yonkers Recreation Pier	Main Street at Hudson River
262	Westchester	Yonkers	building	11940.000353	Commercial	50 Main Street
263	Westchester	Yonkers	building	11940.000354	Commercial/Residence	52 Main Street
264	Westchester	Yonkers	building	11940.000356	Commercial	55-57 Main Street
265	Westchester	Yonkers	building	11940.000358	Commercial	68-70 Main Street
266	Westchester	Yonkers		11940.000297	Commercial/Residence	54 North Broadway
267	Westchester	Yonkers	building	11940.000069	Residence	120 Warburton Avenue
268	New York	New York	structure	06101.015193	New Croton Aqueduct Shaft House No. 25 and Blow-Off Vault	Along Harlem River in Highbridge Park between West 179 and 180th Streets
269	New York	New York		06101.006458	Keener Building	Wards Island
270	New York, Bronx	New York, Bronx		06101.007392, 00501.000820	Spuyten Duyvil Swing Bridge	Tip of Manhattan over Harlem River
271	New York, Bronx	New York, Bronx	structure	06101.017139, 00501.001462	Henry Hudson Parkway	Between West 72nd Street and the Bronx-Westchester County border
272	New York, Bronx	New York, Bronx		06101.000387, 00501.000965	University Heights Bridge	West 207th Street over Harlem River
273	New York	New York	structure	06101.013184	Trans-Manhattan Expressway Ramp	Connects Harlem River Dr. and I-95
274	New York	New York	building	06101.001547	Highbridge Play Center	Amsterdam Avenue, West 172nd Street and West 174th Street
275	New York	New York		06101.017179	Wards Island Pedestrian Bridge	Over Harlem River from Manhattan at FDR Dr. near 103rd
276	New York	New York		06101.001520	Macomb's Dam Bridge Approach	West 155th Street
277	New York	New York	structure	06101.015194	Harlem River Seawall	Along Harlem River between West 155th Street to Dyckman Street
278	New York	New York	structure	06101.007332	Hell Gate Bridge	Over East River between Queens and Wards Island
279	New York, Bronx	New York, Bronx		06101.001362, 00501.000960	Madison Avenue Bridge	Over Harlem River to the Bronx
280	New York	New York	structure	06101.007331	Park Avenue Viaduct	Park Avenue between East 97th and East 132nd Streets
281	New York, Bronx	New York, Bronx	structure	06101.010590, 00501.001092	Metro-North Harlem River Lift Bridge	Park Avenue over Harlem River
282	New York, Bronx	New York, Bronx		06101.000641, 00501.000887	Willis Avenue Bridge	First Avenue and East 125th Street over Harlem River
283	New York	New York		06101.001548	Thomas Jefferson Play Center	First Avenue, East 111th Street, East 114th Street
284	New York	New York	building	06101.010606		2138 First Avenue
285	New York, Bronx	New York, Bronx	structure	06101.008523, 00501.000964	Triborough Bridge	East 125th Street, Randall and Wards Islands
286	New York	New York	building	06101.010605	Manhattan Center for Science and Math	250-298 Pleasant Avenue
287	New York	New York	building	06101.001392	Wards Island Sewage Treatment Works	Wards Island
288	New York	New York	structure	06101.007333	Ward's Island Viaduct	Wards Island
289	Bronx	Bronx	building	00501.001339	Bronx Terminal Market	Exterior Street, River Avenue, Cromwell Avenue

NATIONAL REGISTER-ELIGIBLE HISTORIC PROPERTIES IDENTIFIED WITHIN THE PROJECT'S STUDY AREA

Map ID	County	Municipality	Type	OPRHP Site No.	Site Identifier	Address
290	Bronx	Bronx		00501.001347	New Croton Aqueduct Shaft House No. 24 and Shaft No. 24 Blow-Off Chamber	Sedgewick Avenue
291	Bronx	Bronx	structure	00501.000745	Bronx-Whitestone Bridge	Over East River
292	Bronx	Bronx	structure	00501.000709	Jerome Avenue Approach to Macomb's Dam Bridge	Jerome Avenue
293	Bronx	Bronx	structure	00501.000701	Macomb's Dam Bridge	Jerome Avenue at Harlem River to 155th Street
294	Bronx	Bronx	building	00501.000765	Harlem Yards	Willis Avenue, East 132nd Street
295	Washington	Fort Edward	structure	11542.000096	D & H Railroad Bridge	over Hudson River, near Broadway
296	Washington	Fort Edward	structure	11542.000350	Route 197 Bridge	Bridge Street over East Branch of Hudson River
297	Washington	Fort Edward	building	11542.000352	Vernacular Italianate-Style Dwelling	15 Bridge Street
298	Washington	Fort Edward	building	11542.000351	Charles Cary House	8 Bridge Street
299	Washington	Fort Edward	building	11542.000102		99 Broadway
300	Saratoga	Northumberland	building	09114.000048	Former United Methodist Church	13 Leonard Street
301	Schenectady	Glenville	building	09302.000005	Joseph Yates House and Family Cemetery	Maple Avenue, north of Alplaus Avenue
302	Schenectady	Schenectady	building	09340.001146	Gazette Press Building	132-134 Broadway
303	Schenectady	Schenectady	building	09340.001336	Erie Crossings	112 Erie Blvd
304	Schenectady	Schenectady	building	09340.001337	Wolfe Safe & Locke	140 Erie Blvd
305	Schenectady	Schenectady	structure	09340.001334	Ruby's Silver Diner	167 Erie Blvd
306	Schenectady	Schenectady	building	09340.001339	c. 1925 arte deco storefront	176 Erie Blvd
307	Schenectady	Schenectady	building	09340.001338	Wallace Armer	225 Erie Blvd
308	Schenectady	Schenectady	building	09340.001341	Wedeway Building	277 Erie Blvd
309	Schenectady	Schenectady	structure	09340.001342	Liberty Street Bridge	Liberty Street at Erie Blvd
310	Schenectady	Schenectady	building	09340.001281	Cramer Building	405 Smith Street
311	Schenectady	Schenectady	building	09340.001178	Former Schenectady Gazette Building	328-330 State Street
312	Schenectady	Schenectady		09340.000148	Hough Building	402-408 State Street
313	Schenectady	Schenectady	building	09340.001340	Former Masonic Temple	State Street at Erie Blvd
314	Schenectady	Schenectady	building	09340.000506	The Public Market Building	Van Guysling Ave
315	Schenectady	Rotterdam	building	09305.000276	Former Schenectady General Reserve Depot	900 Rotterdam Industrial Park
316	Albany	Guilderland	structure	00106.000296	French's Mill Road Bridge	over Normans Kill
317	Albany	New Scotland	building	00108.000211	New Scotland Presbyterian Church	2010 New Scotland Road
38	Saratoga	Stillwater	building	09148.000023	Brick Commercial Building	121 Hudson Ave
39	Saratoga	Stillwater	building	09148.000028		201 North Hudson
40	Saratoga	Stillwater	building	09148.000036		145 North Hudson Avenue
41	Saratoga	Stillwater	building	09148.000029	Ephraim Newland House	91 South Hudson Avenue
42	Saratoga	Mechanicville	structure	09141.000136	Bridge over Champlain Canal (BIN 4-41515-0)	NY Route 67
43	Saratoga	Mechanicville	structure	01941.000150	BIN 2202950 Bridge over Anthony Kill	Frances Street
44	Saratoga	Mechanicville	building	01941.000130	Cloverleaf Building	87 1/2 North Main Street
45	Saratoga	Mechanicville	building	09141.000163	City Hall	38 North Main Street
46	Saratoga	Mechanicville	building	09141.000081	St. Paul Assumption Church	North Main Street
47	Saratoga	Mechanicville	building	09141.000135	Crombie-O'Brien House	100 North Main Street
48	Saratoga	Mechanicville	structure	09141.000149	BIN 2202940 Bridge over Anthony Kill	North Main Street
49	Saratoga	Mechanicville	building	09141.000177	Bank Building	1 South Main Street
50	Saratoga	Mechanicville	building	09141.000174	Former Elementary School	10 South Main Street
51	Saratoga	Mechanicville	building	09141.000173	St. Luke's Church	2 South Main Street
52	Saratoga	Mechanicville	building	09141.000175	United Methodist Church	7 South Main Street
53	Saratoga	Halfmoon	building	09110.000191	Leland House	970 Hudson River Rd
54	Saratoga	Halfmoon	structure	09110.000177	Lock 1 - Champlain Canal	NY 32 north of Campbell Island
55	Rensselaer	Troy	building	08340.001163		13 111th Street

NATIONAL REGISTER-ELIGIBLE HISTORIC PROPERTIES IDENTIFIED WITHIN THE PROJECT'S STUDY AREA

Map ID	County	Municipality	Type	OPRHP Site No.	Site Identifier	Address
56	Rensselaer	Troy	building	08340.001158		12 112th Street
57	Rensselaer	Troy	building	08340.001159		13 112th Street
58	Rensselaer	Troy	building	08340.001160		14 112th Street
59	Rensselaer	Troy	building	08340.001161		15 112th Street
60	Rensselaer	Troy	building	08340.001162		16 112th Street
61	Rensselaer	Troy	building	08340.001152		1 113th Street
62	Rensselaer	Troy	building	08340.001154		10 113th Street
63	Rensselaer	Troy	building	08340.001155		11 113th Street
64	Rensselaer	Troy	building	08340.001156		12-14 113th Street
65	Rensselaer	Troy		08340.000611		15 113th Street
66	Rensselaer	Troy	building	08340.001157		15 113th Street
67	Rensselaer	Troy	building	08340.001153		3 113th Street
68	Rensselaer	Troy	building	08340.001147		10 114th Street
69	Rensselaer	Troy	building	08340.001148		12 114th Street
70	Rensselaer	Troy	building	08340.001149		14 114th Street
71	Rensselaer	Troy	building	08340.001150		16 114th Street
72	Rensselaer	Troy	building	08340.001151		22 114th Street
73	Rensselaer	Troy	building	08340.001144		4 114th Street
74	Rensselaer	Troy	building	08340.001145		7 114th Street
75	Rensselaer	Troy	building	08340.001146		8 114th Street
76	Rensselaer	Troy	building	08340.001142		12 115th Street
77	Rensselaer	Troy	building	08340.001141		4 115th Street
78	Rensselaer	Troy	building	08340.001136		1 116th Street
79	Rensselaer	Troy	building	08340.001137		10-12 116th Street
80	Rensselaer	Troy	building	08340.001138		13 116th Street
81	Rensselaer	Troy	building	08340.001139		15 116th Street
82	Rensselaer	Troy	building	08340.001128		2 118th Street
83	Rensselaer	Troy		08340.000014		3 118th Street
84	Rensselaer	Troy	building	08340.001129		4 118th Street
85	Rensselaer	Troy	building	08340.001130		5-7 118th Street
86	Rensselaer	Troy	building	08340.001730	St. Peter's Residence	2335 Fifth Ave
87	Rensselaer	Troy		08340.000195		524 1st Ave
88	Rensselaer	Troy		08340.000196		526 1st Ave
89	Rensselaer	Troy	building	08340.000198		554 1st Ave
90	Rensselaer	Troy		08340.000199		564-566 1st Ave
91	Rensselaer	Troy		08340.000197		580 1st Ave
92	Rensselaer	Troy	building	08340.001126		630 1st Ave
93	Rensselaer	Troy	building	08340.001127		634 1st Ave
94	Rensselaer	Troy	building	08340.001080		82 King Street
95	Rensselaer	Troy		08340.001355	Powers Memorial Park	2nd Ave
96	Rensselaer	Troy	building	08340.001244		409 2nd Ave
97	Rensselaer	Troy	building	08340.001245		419 2nd Ave
98	Rensselaer	Troy	building	08340.001246		435 2nd Ave
99	Rensselaer	Troy	building	08340.001247		441 2nd Ave
100	Rensselaer	Troy	building	08340.001248		442 2nd Ave
101	Rensselaer	Troy	building	08340.001249		450 2nd Ave
102	Rensselaer	Troy	building	08240.001250		454 2nd Ave

NATIONAL REGISTER-ELIGIBLE HISTORIC PROPERTIES IDENTIFIED WITHIN THE PROJECT'S STUDY AREA

Map ID	County	Municipality	Type	OPRHP Site No.	Site Identifier	Address
103	Rensselaer	Troy	building	08340.001251		460 2nd Ave
104	Rensselaer	Troy	building	08340.001252		462 2nd Ave
105	Rensselaer	Troy	building	08340.001253		464 2nd Ave
106	Rensselaer	Troy	building	08340.001254		465 2nd Ave
107	Rensselaer	Troy	building	08340.001255		470 2nd Ave
108	Rensselaer	Troy	building	08340.001256		472 2nd Ave
109	Rensselaer	Troy	building	08340.001257		474 2nd Ave
110	Rensselaer	Troy	building	08340.001258		476 2nd Ave
111	Rensselaer	Troy	building	08340.001259		478 2nd Ave
112	Rensselaer	Troy	building	08340.001260		480 2nd Ave
113	Rensselaer	Troy	building	08340.001261		482 2nd Ave
114	Rensselaer	Troy	building	08340.001262		484 2nd Ave
115	Rensselaer	Troy	building	08340.001263		485 2nd Ave
116	Rensselaer	Troy	building	08340.001264		487 2nd Ave
117	Rensselaer	Troy	building	08340.001265		488 2nd Ave
118	Rensselaer	Troy	building	08340.001266		489 2nd Ave
119	Rensselaer	Troy	building	08340.001267		490 2nd Ave
120	Rensselaer	Troy	building	08340.001268		492 2nd Ave
121	Rensselaer	Troy	building	08340.001269		493 2nd Ave
122	Rensselaer	Troy	building	08340.001270		494 2nd Ave
123	Rensselaer	Troy	building	08340.001271		495 2nd Ave
124	Rensselaer	Troy	building	08340.001272		497 2nd Ave
125	Rensselaer	Troy	building	08340.001273		498 2nd Ave
126	Rensselaer	Troy	building	08340.001274	Old Daley Inn	499 2nd Ave
127	Rensselaer	Troy	building	08340.001275		500 2nd Ave
128	Rensselaer	Troy		08340.001122		504 2nd Ave
129	Rensselaer	Troy	building	08340.001276		509 2nd Ave
130	Rensselaer	Troy	building	08340.001277		510 2nd Ave
131	Rensselaer	Troy	building	08340.001278		511 2nd Ave
132	Rensselaer	Troy	building	08340.001279		512 2nd Ave
133	Rensselaer	Troy	building	08340.001280		513 2nd Ave
134	Rensselaer	Troy	building	08340.001281		515 2nd Ave
135	Rensselaer	Troy	building	08340.001282		516 2nd Ave
136	Rensselaer	Troy	building	08340.001283		518-520 2nd Ave
137	Rensselaer	Troy	building	08340.001284		519 2nd Ave
138	Rensselaer	Troy	building	08340.001285		521-523 2nd Ave
139	Rensselaer	Troy	building	08340.001286		522-524 2nd Ave
140	Rensselaer	Troy	building	08340.001287		525 2nd Ave
141	Rensselaer	Troy	building	08340.001288		526 2nd Ave
142	Rensselaer	Troy	building	08340.001289		534 2nd Ave
143	Rensselaer	Troy	building	08340.001290		537 2nd Ave
144	Rensselaer	Troy	building	08340.001291		538 2nd Ave
145	Rensselaer	Troy	building	08340.001292		539 2nd Ave
146	Rensselaer	Troy	building	08340.001293		540 2nd Ave
147	Rensselaer	Troy	building	08340.001294		542 2nd Ave
148	Rensselaer	Troy	building	08340.001295		543 2nd Ave
149	Rensselaer	Troy	building	08340.001296		544 2nd Ave

NATIONAL REGISTER-ELIGIBLE HISTORIC PROPERTIES IDENTIFIED WITHIN THE PROJECT'S STUDY AREA

Map ID	County	Municipality	Type	OPRHP Site No.	Site Identifier	Address
150	Rensselaer	Troy	building	08340.001297		545 2nd Ave
151	Rensselaer	Troy	building	08340.001298		546 2nd Ave
152	Rensselaer	Troy	building	08340.001299		547-549 2nd Ave
153	Rensselaer	Troy	building	08340.001300		550 2nd Ave
154	Rensselaer	Troy	building	08340.001301		551 2nd Ave
155	Rensselaer	Troy	building	08340.001302		553 2nd Ave
156	Rensselaer	Troy	building	08340.001303		554 2nd Ave
157	Rensselaer	Troy	building	08340.001304		555-557 2nd Ave
158	Rensselaer	Troy	building	08340.001305		556-558 2nd Ave
159	Rensselaer	Troy	building	08340.001306		559 2nd Ave
160	Rensselaer	Troy	building	08340.001307		560 2nd Ave
161	Rensselaer	Troy	building	08340.001308		562 2nd Ave
162	Rensselaer	Troy	building	08340.001309		566 2nd Ave
163	Rensselaer	Troy	building	08340.001310		572 2nd Ave
164	Rensselaer	Troy	building	08340.001311		574 2nd Ave
165	Rensselaer	Troy	building	08340.001312		576 2nd Ave
166	Rensselaer	Troy	building	08340.001313		578 2nd Ave
167	Rensselaer	Troy	building	08340.001314		580 2nd Ave
168	Rensselaer	Troy	building	08340.001315		582 2nd Ave
169	Rensselaer	Troy	building	08340.001316		584 2nd Ave
170	Rensselaer	Troy	building	08340.001317		586 2nd Ave
171	Rensselaer	Troy	building	08340.001318		591-593 2nd Ave
172	Rensselaer	Troy	building	08340.001319		595 2nd Ave
173	Rensselaer	Troy	building	08340.001320		597 2nd Ave
174	Rensselaer	Troy	building	08340.001321		599-603 2nd Ave
175	Rensselaer	Troy	building	08340.001322		600 2nd Ave
176	Rensselaer	Troy	building	08340.001323		605 2nd Ave
177	Rensselaer	Troy	building	08340.001324		606 2nd Ave
178	Rensselaer	Troy	building	08340.001325		607 2nd Ave
179	Rensselaer	Troy	building	08340.001326		609-613 2nd Ave
180	Rensselaer	Troy	building	08340.001327		610 2nd Ave
181	Rensselaer	Troy	building	08340.001328		612-612.5 2nd Ave
182	Rensselaer	Troy	building	08340.001329		614 2nd Ave
183	Rensselaer	Troy	building	08340.001330		616 2nd Ave
184	Rensselaer	Troy	building	08340.001331		618 2nd Ave
185	Rensselaer	Troy	building	08340.001332		620 2nd Ave
186	Rensselaer	Troy	building	08340.001333		622 2nd Ave
187	Rensselaer	Troy	building	08340.001334		624-626 2nd Ave
188	Rensselaer	Troy	building	08340.001335		628-630 2nd Ave
189	Rensselaer	Troy	building	08340.001336		631-633 2nd Ave
190	Rensselaer	Troy	building	08340.001337		632 2nd Ave
191	Rensselaer	Troy	building	08340.001338		634-636 2nd Ave
192	Rensselaer	Troy	building	08340.001339		635 2nd Ave
193	Rensselaer	Troy	building	08340.001340		638 2nd Ave
194	Rensselaer	Troy	building	08340.001341		642 2nd Ave
195	Rensselaer	Troy	building	08340.001342		643 2nd Ave
196	Rensselaer	Troy	building	08340.001343		644 2nd Ave

NATIONAL REGISTER-ELIGIBLE HISTORIC PROPERTIES IDENTIFIED WITHIN THE PROJECT'S STUDY AREA

Map ID	County	Municipality	Type	OPRHP Site No.	Site Identifier	Address
197	Rensselaer	Troy	building	08340.001344		645-649 2nd Ave
198	Rensselaer	Troy	building	08340.001345		646 2nd Ave
199	Rensselaer	Troy	building	08340.001346		650 2nd Ave
200	Rensselaer	Troy	building	08340.001347		653 2nd Ave
201	Rensselaer	Troy	building	08340.001348		654 2nd Ave
202	Rensselaer	Troy	building	08340.001349		655-657 2nd Ave
203	Rensselaer	Troy	building	08340.001350		656-658 2nd Ave
204	Rensselaer	Troy	building	08340.001351		659 2nd Ave
205	Rensselaer	Troy	building	08340.001352		660 2nd Ave
206	Rensselaer	Troy	building	08340.001353		661 2nd Ave
207	Rensselaer	Troy	building	08340.001354		662 2nd Ave
208	Rensselaer	Troy	building	08340.000212		538 2nd Ave
209	Rensselaer	Troy	building	08340.001566		2319 5th Ave
210	Rensselaer	Troy	building	08340.001568		2320 5th Ave
211	Rensselaer	Troy	building	08340.001569		2322 5th Ave
212	Rensselaer	Troy	building	08340.001567		2323 5th Ave
213	Rensselaer	Troy	building	08340.001570		2324 5th Ave
214	Rensselaer	Troy	building	08340.001571		2328 5th Ave
215	Rensselaer	Troy	building	08340.001086		2331 5th Ave
216	Rensselaer	Troy	building	08340.001572		2332 5th Ave
217	Rensselaer	Troy	building	08340.001573		2336 5th Ave
218	Rensselaer	Troy	building	08340.001123		2423 5th Ave
219	Rensselaer	Troy		08340.000482		82 River Street
220	Rensselaer	Troy	building	08340.001360		53 2nd Ave
221	Rensselaer	Troy	building	08340.001362		65 2nd Ave
222	Rensselaer	Troy	building	08340.001175	Lindley R. McMurray House	824 2nd Ave
223	Rensselaer	Troy	building	08340.001178		842 2nd Ave
224	Rensselaer	Troy	building	08340.001179		846 2nd Ave
225	Rensselaer	Troy	building	08340.001182		864 2nd Ave
226	Rensselaer	Troy	building	08340.001565		867 2nd Ave
227	Albany	Green Island	structure	00144.000019	Cohoes-Green Island Railroad Bridge	over the Hudson River
228	Albany	Green Island	structure	00144.000020	Green Island Powerhouse	Cannon Street near Tibbitts Ave intersection, in Hudson River
229	Saratoga	Northumberland	building	09114.000034	Structure #11	West side of River Road
230	Rensselaer	Watervliet	building	00142.000201	Greek Revival Row Group	400 block of Broadway
231	Rensselaer	Rensselaer		08341.001105	Building 75 at BASF Plant	Riverside Ave
232	Rensselaer	Rensselaer		08341.001106	Building 87 at BASF Plant	Riverside Ave
233	Rensselaer	Rensselaer		08341.001107	Building 88 at BASF Plant	Riverside Ave
234	Rensselaer	Castleton-On-Hudson		08343.000028	Isaac V. Schermerhorn House	40 North Main St.
235	Rensselaer	Castleton-On-Hudson		08343.000029	Hogeboom/Price Residence	42 North Main St.
236	Rensselaer	Castleton-On-Hudson		08343.000034	Harder/Culver Residence	58 North Main St.
237	Rensselaer	Castleton-On-Hudson		08343.000053	A. Harder House	11 South Main St.
238	Rensselaer	Castleton-On-Hudson		08343.000055		134 South Main St.
239	Rensselaer	Castleton-On-Hudson		08343.000017	Marra Residence	47 South Main St.
240	Rensselaer	Castleton-On-Hudson		08343.000054	Prins. Insurance	56 South Main St.
241	Rensselaer	Castleton-On-Hudson		08343.000026	Village Hall	85 South Main St.
242	Rensselaer	Castleton-On-Hudson		08343.000002	Hans Van Buren House	99 South Main St.

APPENDIX 6: OPRHP Project Review Cover Form

New York State Office of Parks, Recreation and Historic Preservation
Historic Preservation Field Services Bureau
Peebles Island Resource Center, PO Box 189, Waterford, NY 12188-0189 (Mail)
Delaware Avenue, Cohoes 12047 (Delivery) (518) 237-8643

PROJECT REVIEW COVER FORM

Rev. 10-04

*Please complete this form and attach it to the top of **any and all information submitted to this office** for review. Accurate and complete forms will assist this office in the timely processing and response to your request.*

This information relates to a previously submitted project.

PROJECT NUMBER __ PR _____

COUNTY _____

☐ If you have checked this box and noted the previous Project Review (PR) number assigned by this office you do not need to continue unless any of the required information below has changed.

2. This is a new project. ☒ If you have checked this box you will need to complete ALL of the following information.

Project Name Champlain-Hudson Power Express

Location _____
You MUST include street number, street name and/or County, State or Interstate route number if applicable

City/Town/Village _____
List the correct municipality in which your project is being undertaken. If in a hamlet you must also provide the name of the town.

County Clinton, Essex, Washington, Saratoga, Schenectady, Albany, Rensselaer, Columbia, Gree
If your undertaking* covers multiple communities/counties please attach a list defining all municipalities/counties included.

TYPE OF REVIEW REQUIRED/REQUESTED (Please answer both questions)

A. Does this action involve a permit approval or funding, now or ultimately from any other governmental agency?

☐ No ☒ Yes

If Yes, list agency name(s) and permit(s)/approval(s)

Agency involved	Type of permit/approval	State	Federal
		☐	☐
		☐	☐
		☐	☐

B. Have you consulted the NYSHPO web site at http://www.nysparks.state.ny.us/shpo to determine the preliminary presence or absence of previously identified cultural resources within or adjacent to the project area? If yes: ☒ Yes ☐ No

Was the project site wholly or partially included within an identified archeologically sensitive area? ☒ Yes ☐ No

Does the project site involve or is it substantially contiguous to a property listed or recommended for listing in the NY State or National Registers of Historic Places? ☒ Yes ☐ No

CONTACT PERSON FOR PROJECT

Name Robert Quiggle **Title** Regulatory Specialist

Firm/Agency HDR DTA

Address 1304 Buckley Road, Suite 202 **City** Syracuse **STATE** NY **Zip** 13212

Phone (315) 4142216 **Fax** (_____)_____ **E-Mail** robert.quiggle@hdrinc.com