Adirondack Aquatic Invasive Species Prevention Program

Site Profile: ***Boat Launch Decontamination Station – Chazy Lake (Town Boat Launch)***

Location:
Town of Dannemora public boat launch to Chazy Lake. (Coordinates in decimal degrees: 44.768922 Lat., -73.813083 Long.)

Summary:

The town of Dannemora and the Chazy Lake Association has expressed interest in deploying a boat decontamination station at the town-owned boat launch to Chazy Lake. Chazy Lake is known to contain one high priority aquatic invasive plant, Eurasian watermilfoil (*Myriophyllum spicatum*). Trailered vessel inspection and cleaning will be recommended to boaters upon departure in order to prevent the transport of this species from Chazy Lake. Courtesy trailered vessel inspections and, only if necessary, decontaminations will also be provided to boaters attempting to launch into Chazy Lake. A site assessment was conducted on 11/21/2017 by representatives of the Town of Dannemora, Chazy Lake Association, Paul Smith's College – Adirondack Watershed Institute, and the Adirondack Park Invasive Plant Program to develop this site profile. This site profile describes the design/layout that these representatives believe will provide the highest levels of effectiveness and efficiency under a voluntary program, but is open to adaptation and/or improvement.

Traffic Flow (See Map 1):

One or more traffic signs with a directional arrow(s) will be positioned to direct boaters to the inspection area (See Photo 1). Upon entering, boaters will be visited by a steward who will inform the boater of 6 New York Code of Rules and Regulations (NYCRR) Part 576 and Part 59.4 AIS Spread Prevention Regulations and offer the boater a courtesy inspection. If the trailered watercraft already meets the clean, drained, and treated standard, the boater will proceed to launch. If the watercraft or trailer is found to have visible aquatic plants or animals, or otherwise does not meet this standard, the steward will remove the visible plant and animal material by hand and/or offer the boater voluntary decontamination. Depending upon the findings of the steward and what segments of the boat (e.g. hull, bilge, etc.) are found to be inconsistent with the AIS prevention standard, decontamination may consist of either spraying/rinsing the hull and other external areas with high pressure (2500 psi) hot water (140˚F for 30 seconds) or rinsing/flushing the bilge area, live wells and other water holding compartments with low pressure hot water (120˚F for 30 seconds).

If the boater resists taking "reasonable precaution" before launch, the steward will not attempt to enforce regulations and will allow the boater to proceed to launch. The steward will document the boater's license plate number and/or registration number to be shared with NYSDEC law enforcement officers. If the boater complies to take "reasonable precaution", but without the steward's or decontamination station's assistance, the boater can proceed to launch after those other reasonable precautions have been taken.

When exiting the boat launch after watercraft retrieval, the steward will perform a visual inspection for attached aquatic plants and animals and inform the boater of 6 NYCRR Part 59.4 regulations requiring that the boat and trailer be drained and free of visible plant and animal material prior to departure. Any visible plant or animal material will be removed by hand. The steward will also ask the boater when and where they plan to recreate next. If the boater plans to visit a different waterbody within the next five days, they will be encouraged to have their watercraft decontaminated as described above. Signage encouraging boaters to have their boat decontaminated upon exit will be placed at the end of the boat launch piers (if present), facing the water (See Photo 2). In addition, the "Clean, Drain, Dry" messaging will be painted on the launch ramp in accordance with NYSDEC's recommendations on text size, language, color, etc. (See Photo 3).

Decontaminations will take place on a gravel pad between the boat launch and the boat launch's parking area (See Photo 4). When the decontamination area next becomes available, the trailered watercraft will enter and a steward will perform a decontamination of the watercraft. If an instance occurs during a high traffic period in which trailered boats are beginning to fill necessary parking or traffic flow space, staff will cease operations and move traffic through without inspection or decontamination until traffic volume decreases.

Site Considerations/Preparations (See Map 2)**:**

A Landa PHW decontamination unit will be deployed at this location. The unit will be stored in an existing on-site shed. A 6-foot long deck will be built at the entrance to the storage shed to accommodate efficient deployment and operation of the PHW unit (See Photo 5). A gravel pad will be constructed for the decontamination area measuring approximately 18 feet by 35 feet. Below is a list of the expected equipment, materials, and staff that will be utilized at the site.

Resources & Equipment Needed:

1 – Steward
1 – Apple iPad mini tablet and case
1 – Landa PHW decontamination unit
1 – 550-gallon water tank
1 – Small water pump
1 – Hose (275 feet)
1 – Cage filter
1 – Inline sediment filter
1 – Staff shelter/tent
1 – Directional sign
1 – Pier sign
643 square feet – Standard woven road fabric
11.9 cubic yards – #2 crusher run road stone

Water:

Since there is no direct water line available at this site, a 550-gallon water tank will be present to provide the necessary water for decontaminations. By positioning the water tank uphill from the decontamination area, a natural gravity feed should be achieved to the Landa unit. The tank may need to be elevated further via wooden timbers to achieve a stronger feed. This tank will need to be refilled intermittently as wash water is used. Filtered lake water will be used to provide these refills and will be transported to the water tank as needed via a small water pump and hosing.

Photos:

Photo 1 – Directional Signs

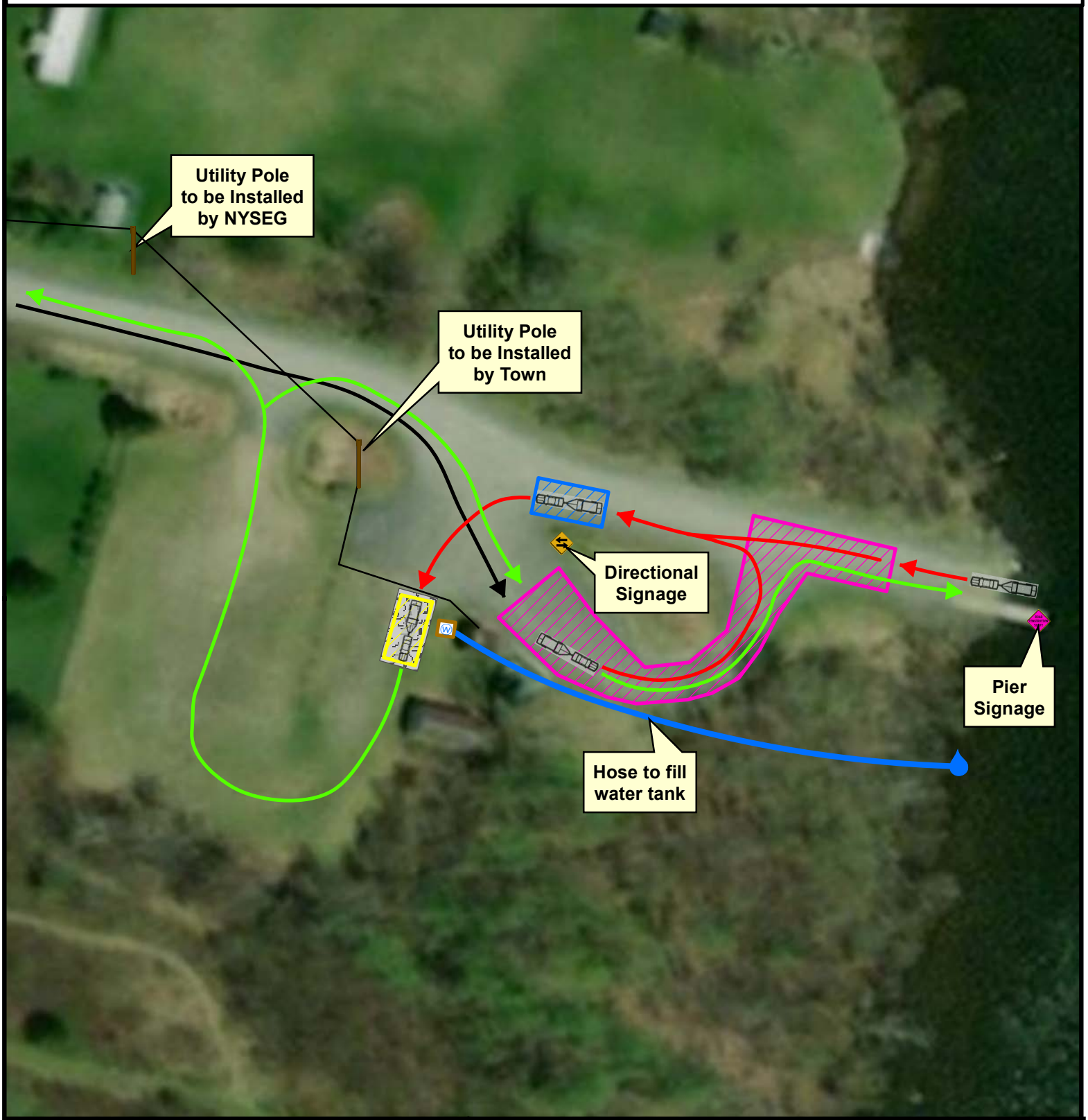
Photo 2 – Pier Signs

Photo 3 – Potential messaging to be painted on boat launch pavement

Photo 4 – Location of decontamination area

Photo 5 – Door to existing storage shed where deck will be constructed

Map 1: Chazy Lake (Town Boat Launch) - Decontamination Station Traffic Flow



N
W E
S

0 30 60 120 Feet

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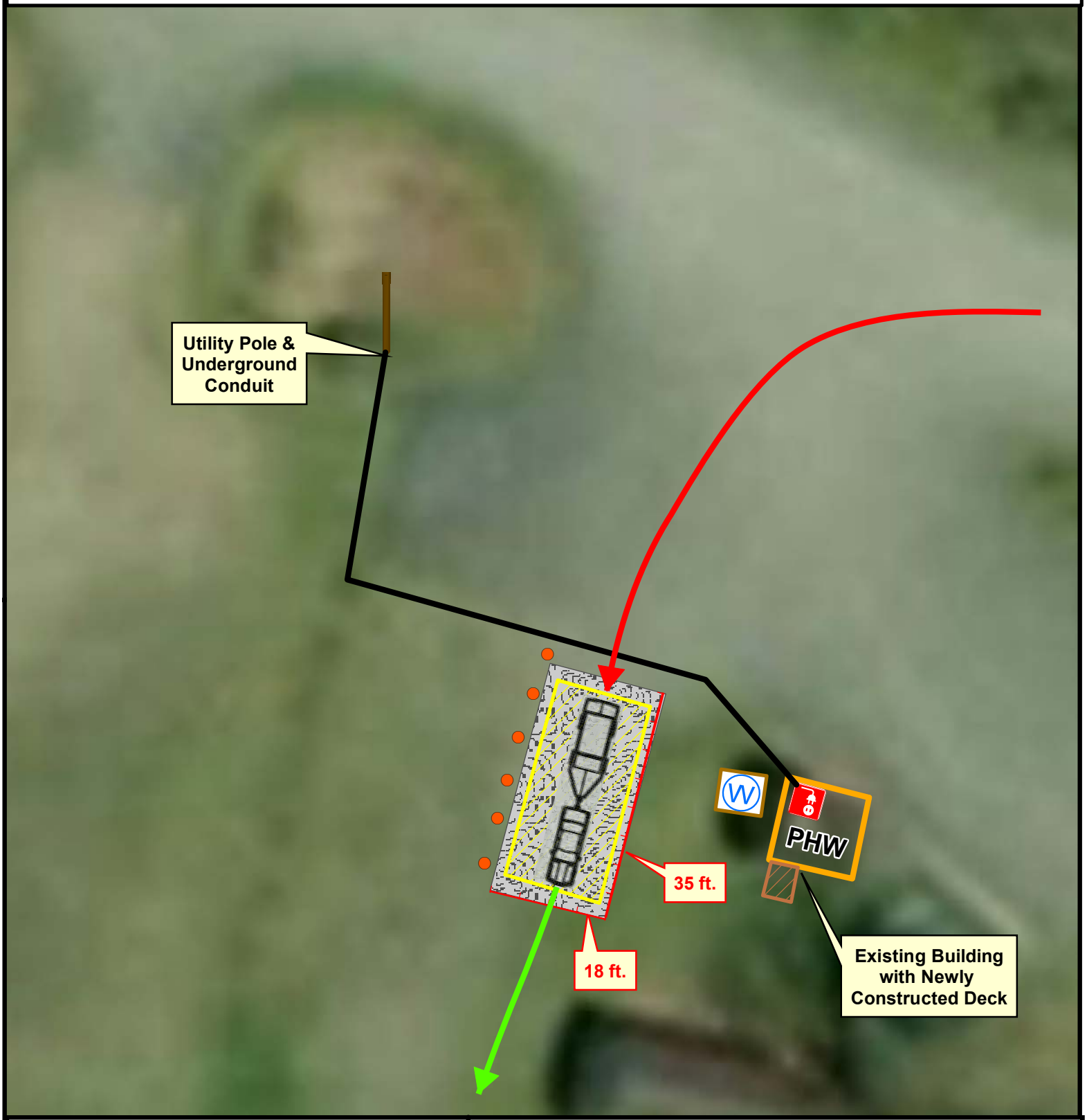
Inspection Area
Decon. Area
Decon. Queue

Boat Traffic:
Uninspected
Needs Decon
Clean

Map 2: Chazy Lake (Town Boat Launch) - Decontamination Station Site Prep



N
W E
S

0 10 20 40 Feet

Traffic Cone
Decon. Area
Elevated Water Tank
Crusher Run Road Stone

Boat Traffic:
Needs Decon
Clean

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