

Jun 27th, 1:35 PM - 1:55 PM

Session A2- Webber Pond Steeppass Fishway

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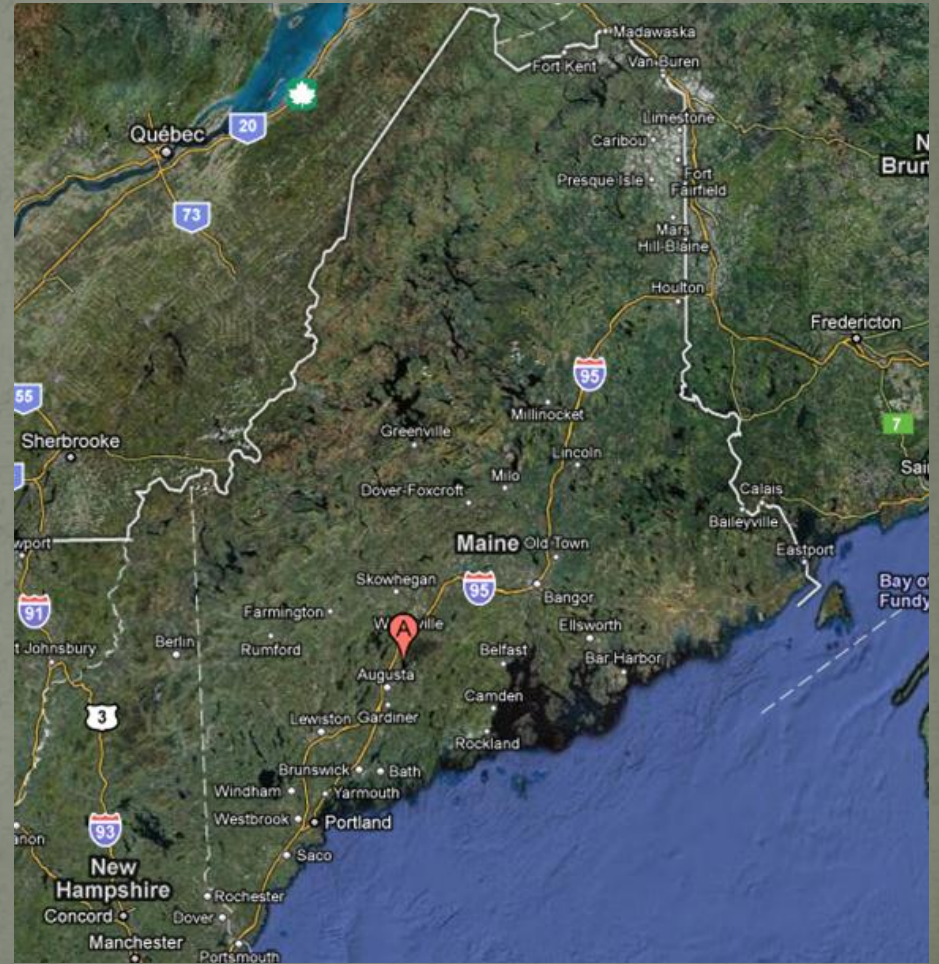
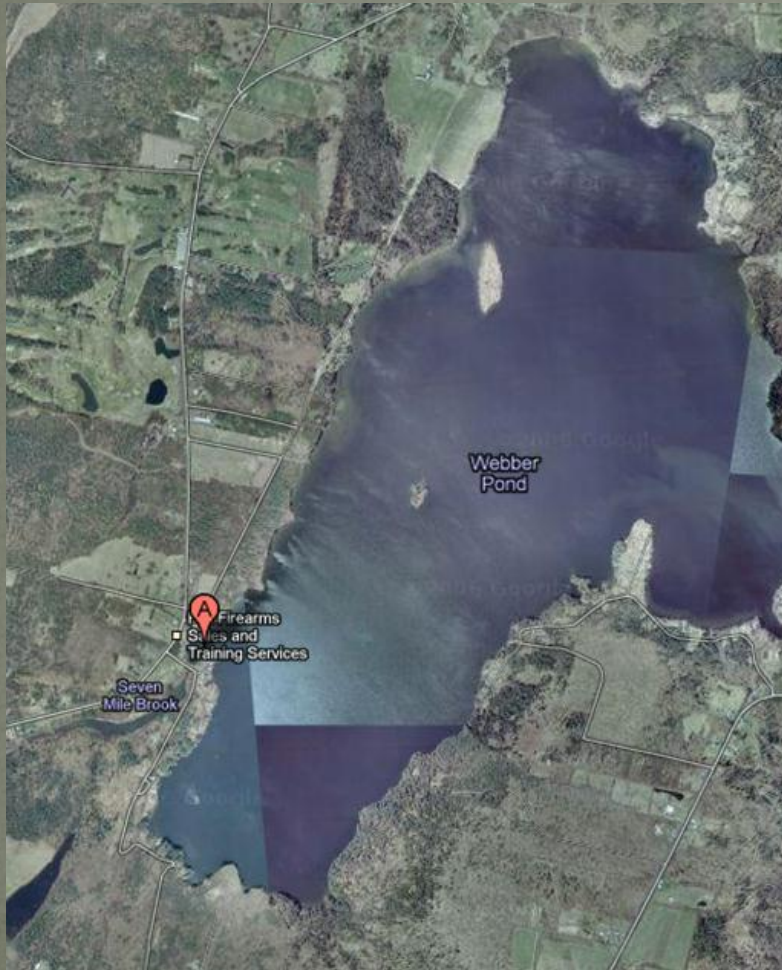
The Webber Pond Fishway



Lucas Stiles

Kleinschmidt Associates

Site Location



Images Taken from Google Maps

Project Description

- Concrete, masonry, and earthen structure constructed in 1920.
- Owned by the Webber Pond Association (WPA).

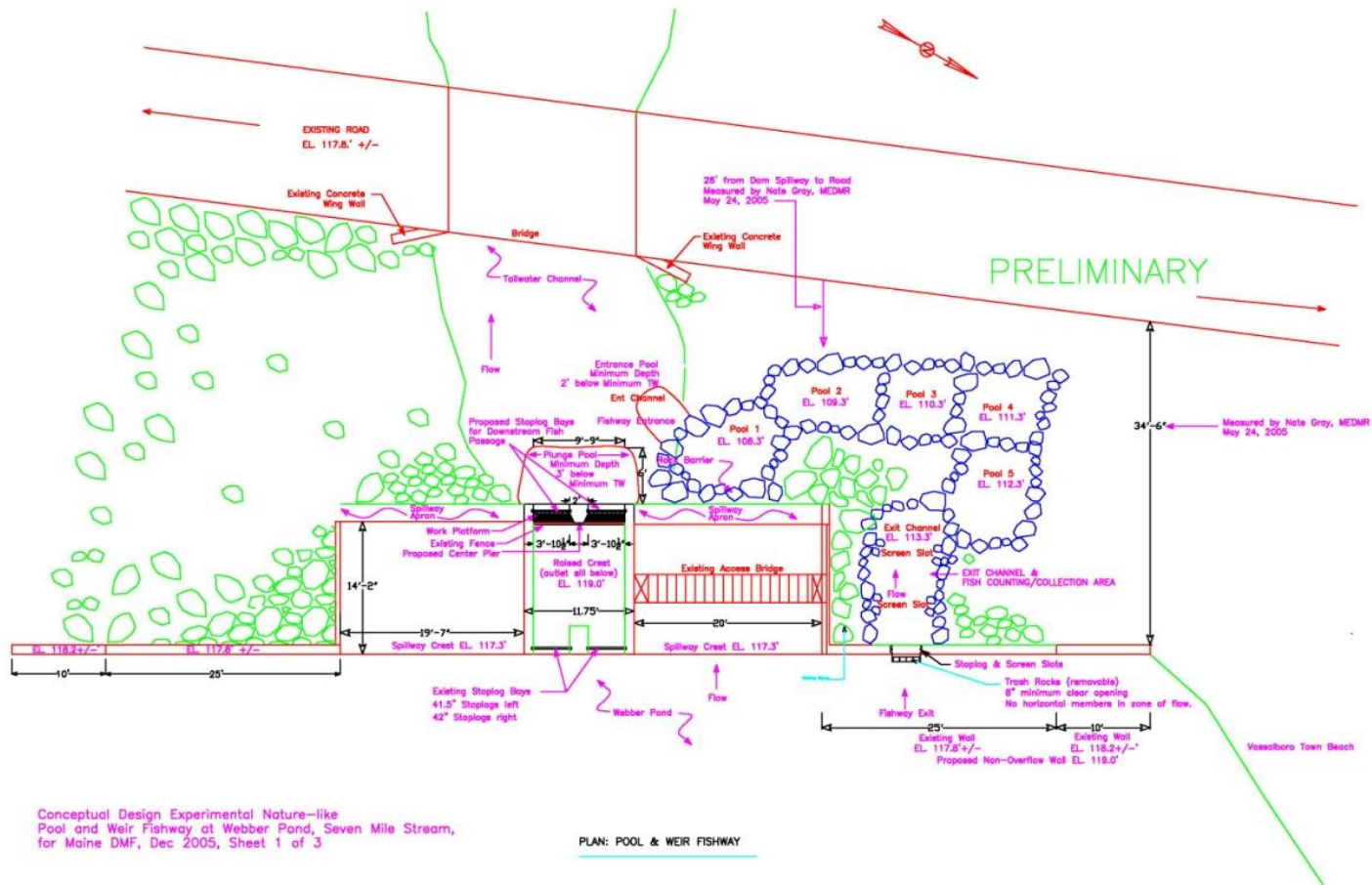


Fish Passage Improvements



Photos provided by
Nate Gray at MDMR

Phase I – Fish Passage Design



Phase I – Fish Passage Design

- New Steeppass in 2008/2009.
- Features a concrete entrance, three steeppass sections, a concrete sorting pool, and rip rap armoring.



Phase I – Fish Passage Design



Phase I – Fish Passage Design



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Phase I – Fish Passage Design



Phase I – Fish Passage Design



Phase I – Fish Passage Design



Phase I – Fish Passage Design



Phase I – Fish Passage Design

- Operated and Maintained by the MDMR
- Fishway operations vary as a result of the commercial fishery.
- 100k Alewives were passed in 2011.
- Monitoring of passage upstream of Webber Pond was conducted in 2010.

Phase II – Control Gate Design



Phase II – Control Gate Design

- Began shortly after Phase I had been completed.
- Constructed during the summer of 2010.
- Consisted of the installation of new stoplogs, a new davit crane, improved safety features, and an educational kiosk.



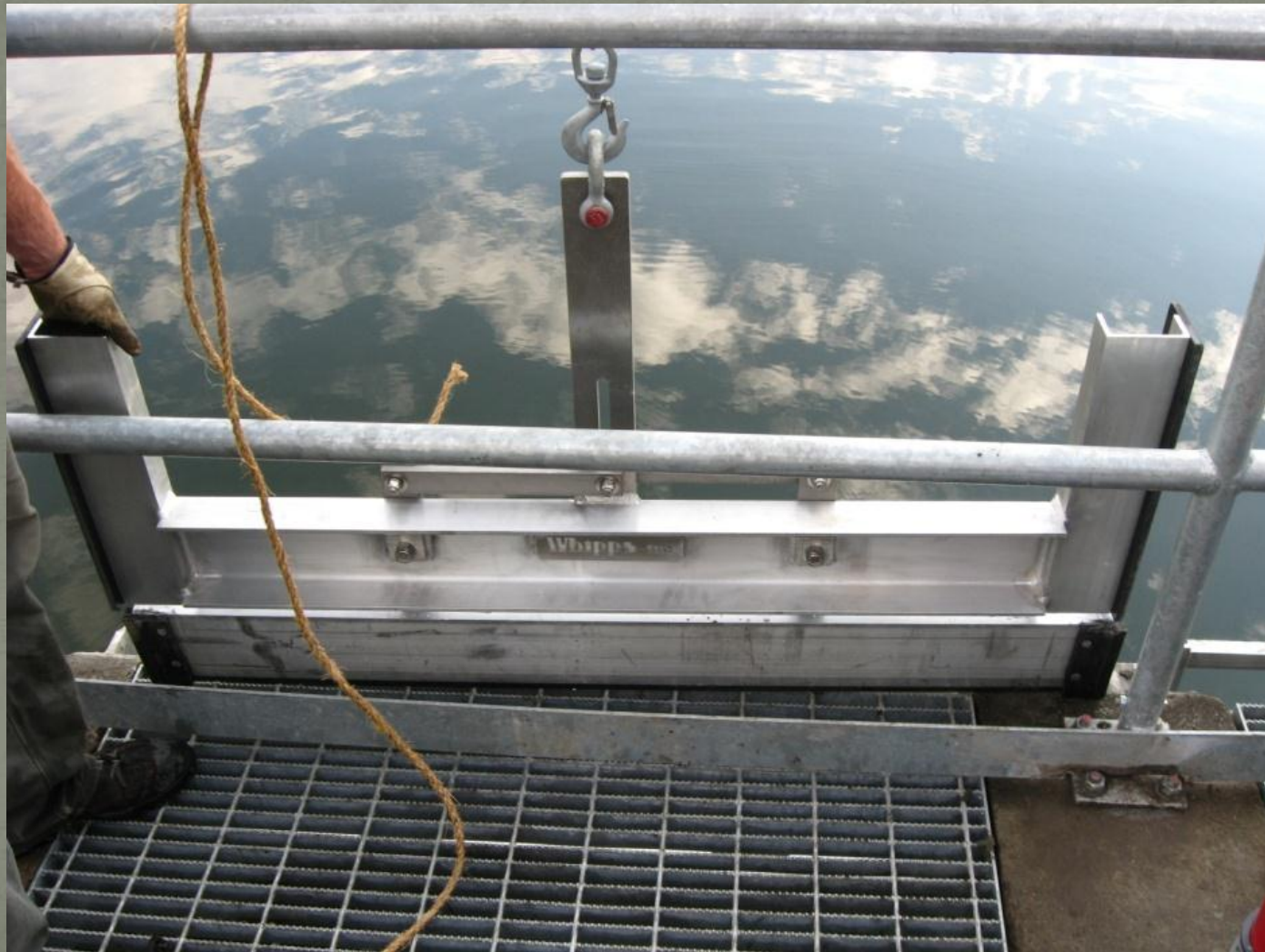
Phase II – Control Gate Design



Phase II – Control Gate Design



Phase II – Control Gate Design



Phase III – Eel Passage

- Currently performing field studies.
- Eel ladder to be located in one of the stoplog bays.



Project Results

- Improved Upstream Passage
- Safe Downstream Passage
- Pond Level and Downstream Flow Regulation
- Sorting and Harvesting Capabilities
- Protection of the Existing Infrastructure.
- Improved Water Quality of Webber Pond.



Questions?

