

Information for File #2014-04079-WAB

Applicant: Itasca County Land Department

Corps Contact: William Baer

Address: 4111 Technology Drive, Suite 295, Bemidji MN 56601

E-Mail: William.a.baer@usace.army.mil

Phone: (651) 290-5338

Primary County: Itasca

Location: SE ¼, S18, and SW ¼, S17, T148N, R27W

Information Complete On: 12/12/2014

Posting Expires On: 12/28/2014

Authorization Type: LOP-10-R

This application is being reviewed in accordance with the practices for documenting Corps jurisdiction under Sections 9 & 10 of the Rivers and Harbor Act of 1899 and Section 404 of the Clean Water Act identified in Regulatory Guidance Letter 07-01. We have made a preliminary determination that the aquatic resources that would be impacted by the proposed project are regulated by the Corps of Engineers under Section 404 of the Clean Water Act. Our jurisdictional review and final jurisdictional determination could result in modifications to the scope of the project's regulated waterbody/wetland impacts and compensatory mitigation requirements identified below. An approved jurisdictional determination will be made prior to reaching a permit decision, and will be posted on the St. Paul District web page at <http://www.mvp.usace.army.mil/>.

PROJECT DESCRIPTION AND PURPOSE: The Itasca County Land Department is developing the Alvwood-Squaw Lake ATV Trail system in northwest Itasca County for off-highway vehicle (OHV) travel. Due to the prevalence of wetlands and aquatic resources, the trail system will be located primarily on established roadways, including county roadways and Chippewa National Forest roads. However, OHV use is not allowed on bituminous County Road 149 west of the community of Squaw Lake, so the trail will be located in the road right-of-way. This segment of trail will cross three small roadside wetland areas in this segment. The linear crossings require the placement of earthen fill in two locations and the installation of a boardwalk structure in the third location. The boardwalk will be supported by timbers laid horizontally on the wetland surface. Wetland earthen-fill site 1 is 10' wide, 20' long, or 200 square feet. Wetland earthen-fill site 2 is 16' wide, 15' feet long, or 240 square feet. The boardwalk 1 wetland crossing is 10' wide, 46' long. The timbers supporting the boardwalk deck will fill 96 square feet of wetland.

NAME, AREA AND TYPES OF WATERS (INCLUDING WETLANDS) SUBJECT TO LOSS: A total of 536 square feet of seasonally flooded basin/fresh wet meadow (Type 1 & 2) wetlands will be filled in the three wetland locations.

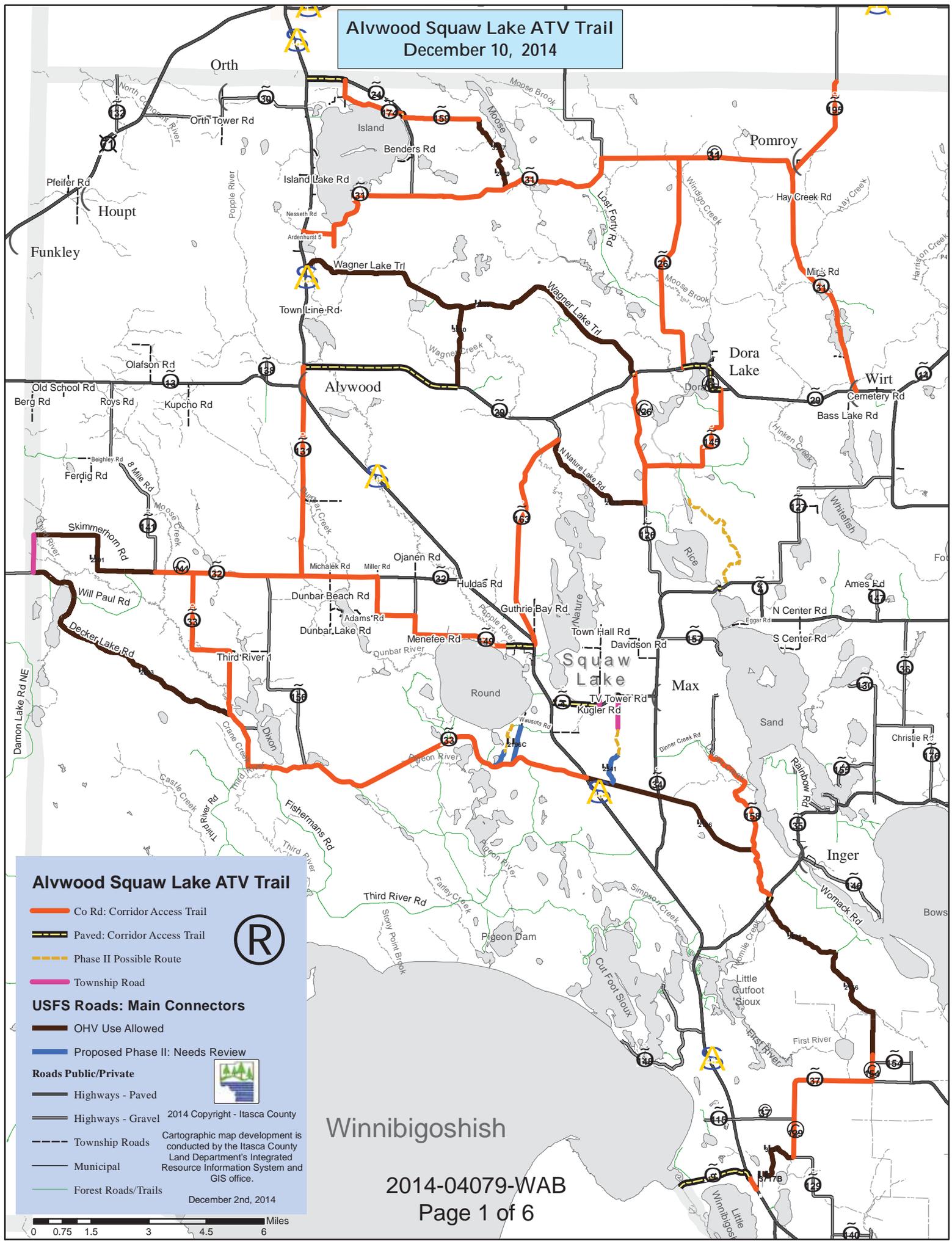
ALTERNATIVES CONSIDERED: Alternative routes were considered and the preferred/proposed route was determined to have the least number and amount of wetland

impacts. The trail is being located on existing roads wherever possible, but off highway vehicles were not allowed on the paved section of County Road 149. The applicant considered the no-build alternative, which was dismissed.

COMPENSATORY MITIGATION: The applicant has not proposed compensatory mitigation for the wetland impact.

Drawings See attached.

Alvwood Squaw Lake ATV Trail December 10, 2014



Alvwood Squaw Lake ATV Trail

- Co Rd: Corridor Access Trail
- Paved: Corridor Access Trail
- Phase II Possible Route
- Township Road

USFS Roads: Main Connectors

- OHV Use Allowed
- Proposed Phase II: Needs Review

Roads Public/Private

- Highways - Paved
- Highways - Gravel
- Township Roads
- Municipal
- Forest Roads/Trails



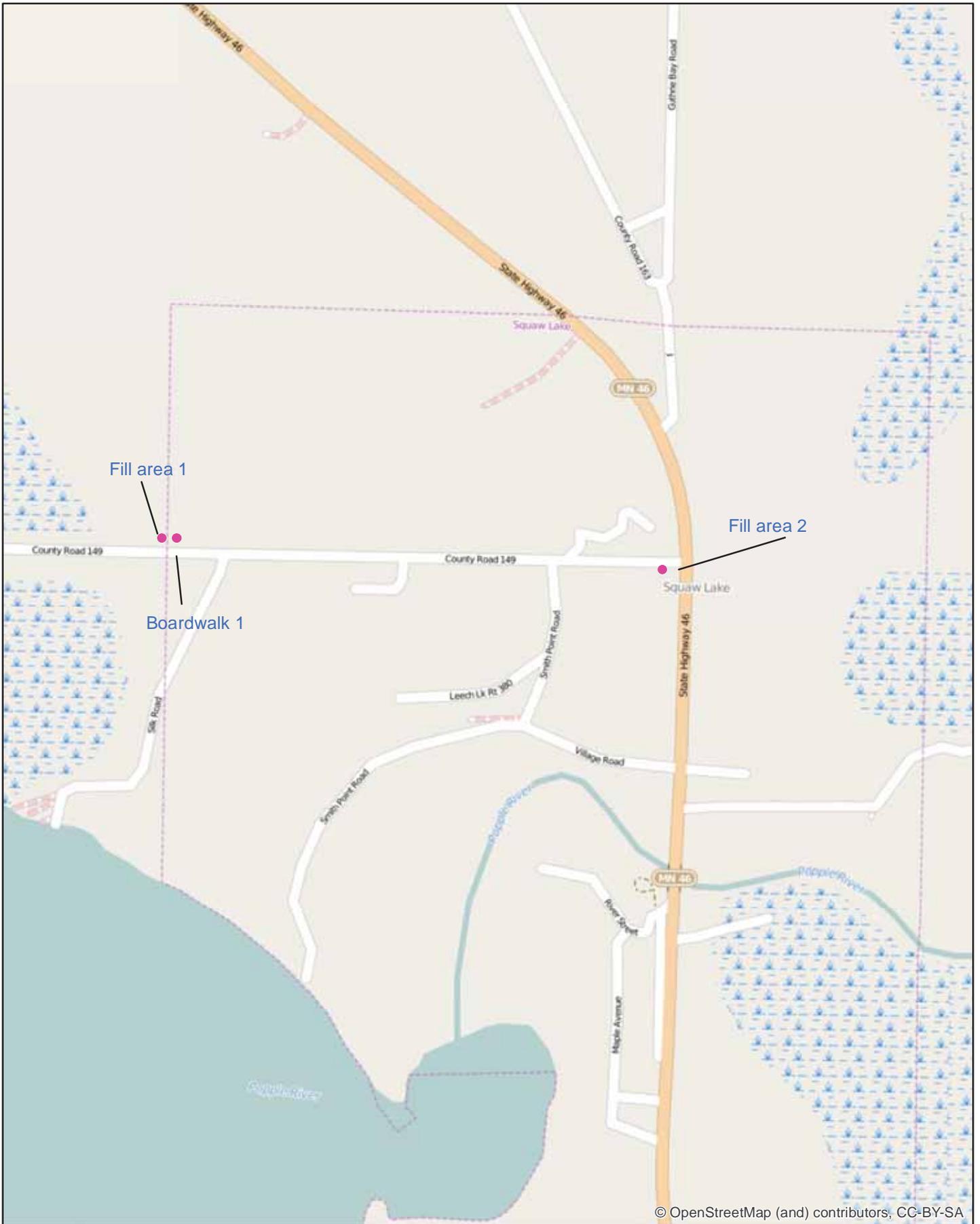


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Cartographic map development is conducted by the Itasca County Land Department's Integrated Resource Information System and GIS office.
December 2nd, 2014

Winnibigoshish



2014-04079-WAB Itasca County ATV trail wetland crossings



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SE ¼, NW ¼, SE ¼ Sec. 18 T148N R27W

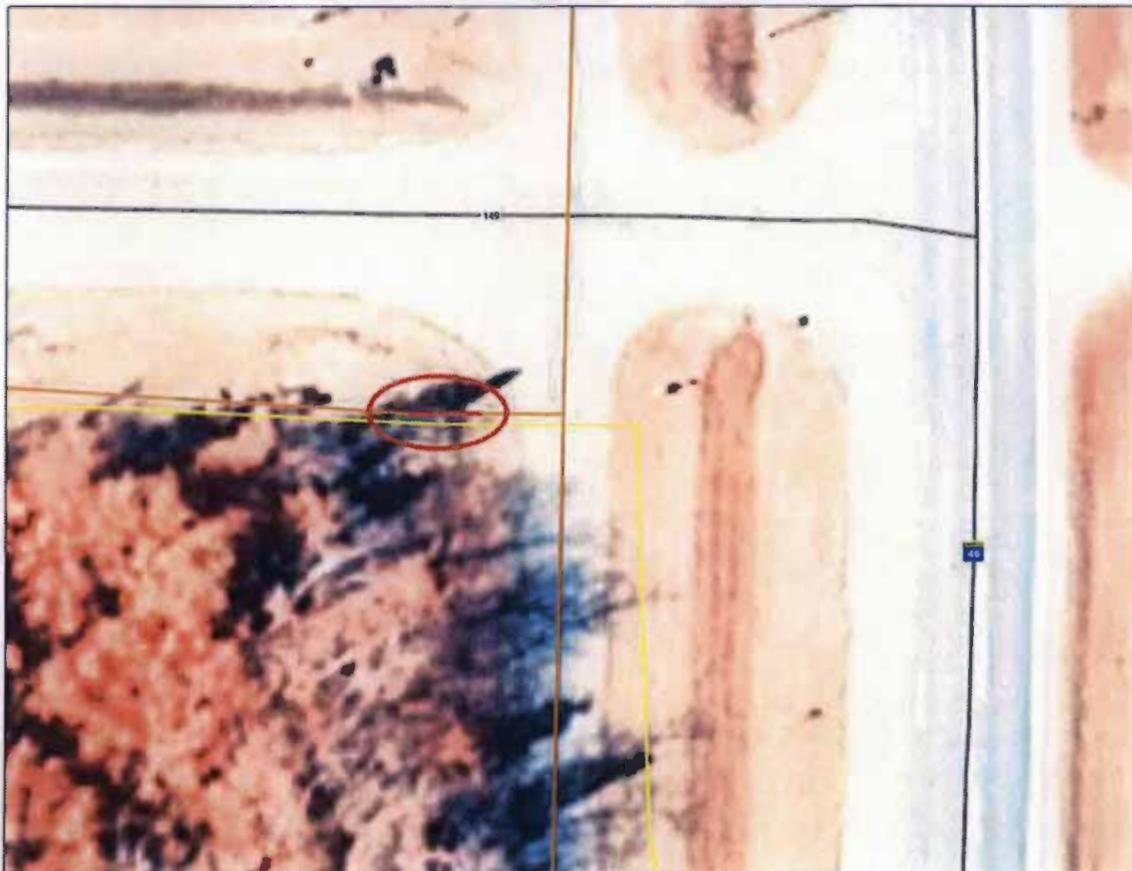
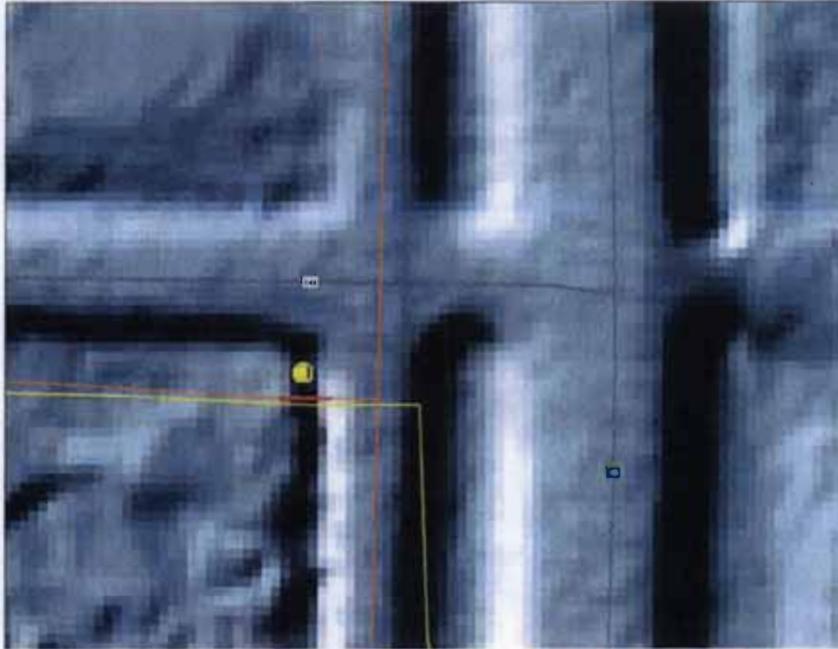
This segment lies north of County Road 149. It will cross Type 2 within the ditch and back slope of ditch. The area is dominated by sedges and mixed native grasses. The crossing is 10 feet wide x 20 feet long. Geotextile fabric and fill will be placed in a 10' x 20' pattern. The trail in-slopes will be covered in topsoil, seeded and mulched within 7 days of completion. Sediment control will involve silt fencing around the filled boundaries to prevent material from leaving the site.



NE ¼, SW ¼, SW ¼ Sec. 17 T148N R27W

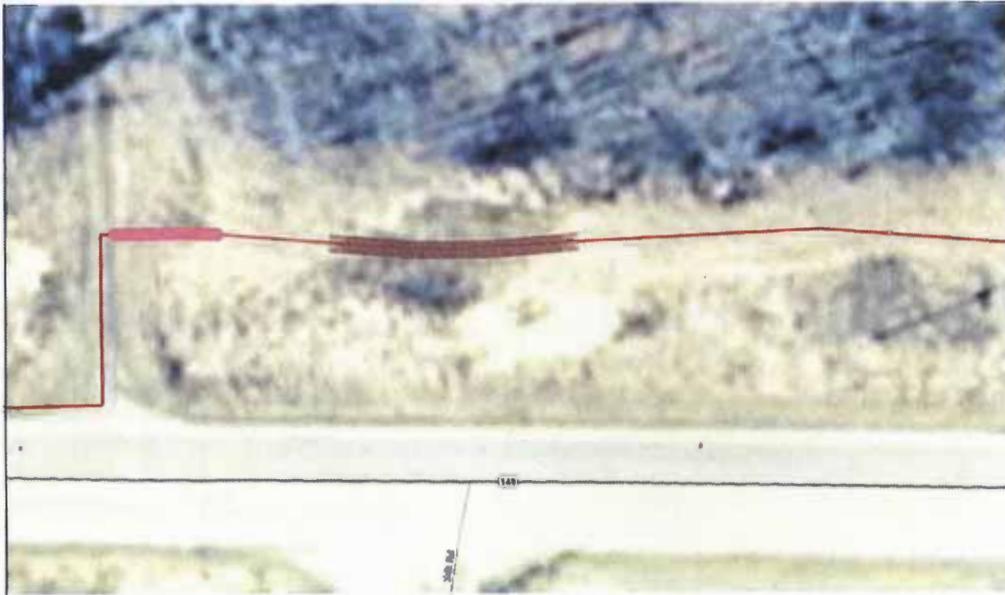
This fill segment lies south of County Road 149 and west of a municipal street in Squaw Lake. This site is considered an incidental wetland. An existing culvert lies under County Road 149 at that intersection, which holds cattails. It is upland on both sides of the depression ditch. The LIDAR distinctly shows the topography layout. This crossing is a designated snowmobile trail (shown as the yellow line). It is because of this that the crossing will be 16 feet wide x 15 feet long. A 12" or 18" x 20' culvert will expand off the existing culvert to continue the flow of water. The culvert will be armored with rip rap to

prevent washout. Geotextile fabric and fill will be placed in a 15' x 16' pattern. The trail in-slopes will be covered in topsoil, seeded and mulched within 7 days of completion. Sediment control will involve silt fencing around the filled boundaries to prevent material from leaving the site.



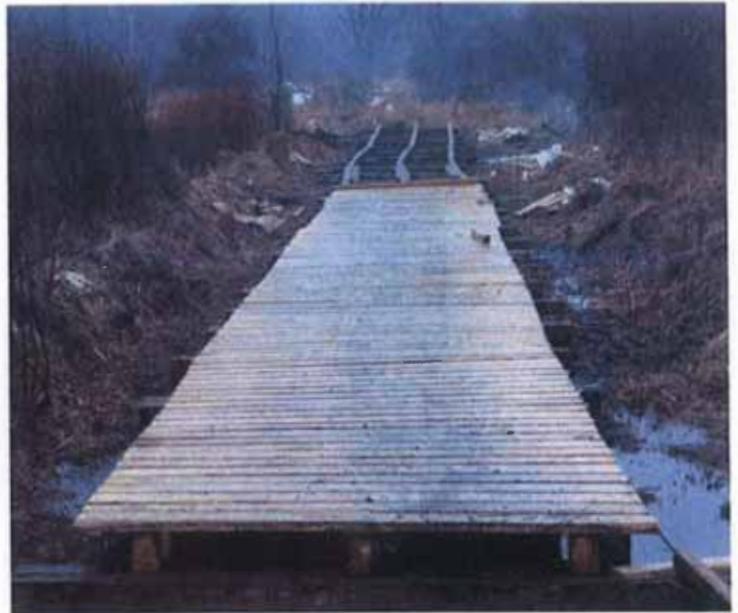
SW ¼, NE ¼, SE ¼ Sec. 18 T148N R27W

This segment of trail will cross a Type 2 wetland. This area is dominated by mostly mixed grasses, sedges, with some cattails. The crossing is 46 feet long. The boardwalk dimensions will 10' x 46'.

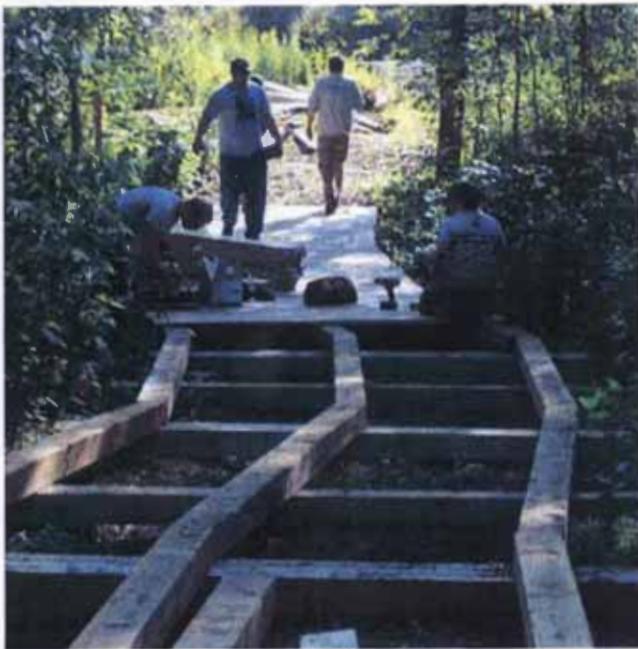


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Pictures below are the boardwalk installation types that are used for crossing wetlands.



Project done in April 2010



Project done in August 2012