

Lake Champlain Aquatic Habitat Connectivity

Fish Passage in the Winooski Watershed

Crossett Brook a tributary to the Winooski River, Duxbury, Vermont
Longitude: -72.7920 Latitude: 44.3080



Before



After

Left: A view of the culvert on Hayes Rd. Right: Hayes Rd After.

Site description: Crossett Brook, and its tributaries, flowing eastward from Crossett Hill in Duxbury, VT and then turns north, continuing into the Winooski River. The lower waters support a wild rainbow, brown trout community, while the upper reaches contains only native brook trout.

Problems / history: Brook trout habitat connectivity is disrupted by an undersized and perched tank culvert creating a height barrier for all aquatic organism passage. Flooding has also been an issue with the tank culvert becoming blocked and then washing out the road.

Objective and Method: The objective is to improve habitat within Crossett Brook and its tributaries and to provide stable habitat for native brook trout. Reconnecting 3.3 miles upstream will ensure lower water temperatures needed by brook trout to thrive and promote flood resiliency within the system.

Partners and Funding: Funding and support for this project came from the Town of Duxbury, Private Land Owners, Friends of the Winooski River and the US Fish and Wildlife Service.

<u>Cost:</u>	<u>USFWS</u>	<u>FWR</u>	<u>TOTAL</u>
	\$125,552	\$109,925	\$235,477