

Lake Champlain Aquatic Habitat Connectivity

Fish Passage in the Lower Winooski Watershed

Unnamed tributary to the Dog River, Dole Hill Rd, Northfield, Vermont
Longitude: -72.6700 Latitude: 44.1379



Before



After

Left: Undersized culvert on Dole Hill Rd. **Right:** New squash pipe that allows full aquatic organism passage.

Site description: Direct tributary to the Dog River in Northfield, VT Brook. Unnamed tributary is 2 miles long and drains 0.35 square miles.

Problems / history: A driveway culvert does not allow aquatic passage. This stream also experiences flooding at the site due to the undersized culvert. Replacement of the culvert with an appropriately sized squash pipe will alleviate flooding tensions on this section of the stream, protect riparian buffer below and enable fish passage for brook trout for spawning and thermal refugia.

Objective and Method: Reconnect the unnamed tributary to over a mile of head waters by replacing this barrier with a squash pipe that will allow full aquatic passage.

Partners and Funding: Funding and support for this project came from the VT Watershed Grant, Private Landowner, Winooski Natural Resources Conservation District and the US Fish and Wildlife Service.

Cost:	<u>USFWS</u>	<u>WNRCD</u>	<u>Land Owner</u>	<u>TOTAL</u>
	\$11,444	\$5,000 (Watershed Grant)	\$1,120	\$17,564