

Lake Champlain Aquatic Habitat Connectivity

Fish Passage in the Mad River Watershed

Lockwood Brook a tributary to the Mad River, Fayston, Vermont
Longitude: -72.88710 Latitude: 44.17350



Before



After

Left: A view of the Lockwood Brook culvert on Manlin Rd. **Right:** Lockwood Brook after.

Site description: The Mad River is 26 miles long and drains an area of 143 square miles. It flows south to north in a valley bounded on the west by the Green Mountains and on the east by the Northfield Mountains. The Mad River continues its journey north where Mill Brook with Slide, Lockwood, and Chase Brooks rise in Fayston, VT.

Problems / history: An undersized and failing culvert on Lockwood Brook at Manlin Rd in Fayston, VT has become a flooding issue. In 2011, TS Irene flood threatened a house directly downstream of the culvert.

Objective and Method: Remediation of the barrier would allow for fish passage while lowering the flood potential of the crossing and reducing the flood threat to nearby houses. In conjunction with this project three other sites were engineered and a weir downstream owned by Sugarbush Ski Resort will be retrofitted to open up almost two miles of brook trout habitat. Work with Friends of the Mad River, VTFWS, USFS, NRCS and the Town of Fayston to replace the culvert on Lockwood Brook.

Partners and Funding: Funding and support for this project came from the Friends of the Mad River, VTFWS, USFS, NRCS, the Town of Fayston and the US Fish and Wildlife Service and Partners Program.

<u>Cost:</u>	<u>USFWS</u>	<u>FMR</u>	<u>Town</u>	<u>VTFWS</u>	<u>USFS</u>	<u>NRCS</u>	<u>USFWSPartners</u>	<u>TOTAL</u>
	\$87,228	\$8,250	\$10,000	(IK-\$1,000)	(IK-\$1,000)	(IK-\$1,000)	(IK-\$1,000)	\$160,728
		(IK-\$1,250)	(IK-\$50,000)					