

HA13: Fisheries Habitat Protection on Strategic North Central Minnesota Lakes - Phase 8



Grant Phase	Amount Awarded	Amount Spent	Proposed Leverage	Actual Leverage	% of Goal	Proposed Acreage	Actual Acreage	% of Goal
2014, Phase 1 (Complete)	\$2,130,000	\$1,786,200	\$798,700	\$ 956,000	120%	505	765	152%
2016, Phase 2 (Complete)	\$1,425,000	\$1,258,400	\$535,000	\$1,157,000	216%	429	635	148%
2017, Phase 3 (Complete)	\$1,716,000	\$1,657,400	\$300,000	\$ 307,000	102%	400	690	173%
2018, Phase 4	\$2,801,000	\$2,544,287	\$411,100	\$ 943,300	229%	446	477	107%
2019, Phase 5	\$3,230,000	\$1,655,148	\$510,500	\$ 332,880	65%	636	1,015	160%
2020, Phase 6	\$2,814,000	\$ 874,959	\$228,700	-	-	456	-	-
2021, Phase 7	\$2,838,000	-	\$213,100	-	-	615	-	-

Total Acres Permanently Protected: **3,192**

Committed Acres In Progress: **1,087**



February 20, 2021: North-central Minnesota lakes are getting murkier faster

Lake water temps are rising fastest in northern forests, promoting algae blooms. By Jennifer Bjorhus.

- "Northern Minnesota has some of the fastest warming rates in the contiguous U.S., including during the late summer," he [Kenneth Blumenfeld, senior climatologist in the state Climatology Office] said.
- "It's critical that it [sensitive watersheds] does not get converted to agriculture or homes, and shopping centers and roads," Peter Jacobson said. That's what the **Northern Waters Land Trust [and the Minnesota Land Trust]** has been working on... It uses grants from the state's sales-tax funded **Outdoor Heritage Fund** to arrange conservation easements for landowners and has protected nearly 2,500 acres that way since 2014. The trust also buys land outright.



June 3, 2021: Hundreds of lakes in U.S., Europe are losing oxygen

Researchers warn of more fish kills, algae, methane. By Drew Costley.

- Oxygen levels have dropped in hundreds of lakes in the United States and Europe over the past four decades, a new study found...And the authors said **declining oxygen** could lead to **increased fish kills, algal blooms and methane emissions**.
- The **deep water drop in oxygen levels** is critical for aquatic organisms that are more **sensitive to temperature increases**, such as **cold water fish**. During summer months, they depend on cooler temperatures found deeper in the water, but if **deep waters are low on oxygen**, these **organisms can't survive**.



July 10, 2021: Minnesota landowners hold keys to protect forests, cold water lakes

Family turned to trust to protect cold-water lake property. By Jennifer Bjorhus.

- The Siemering family wanted to guarantee future generations could have the kind of lake experience they have cherished. So instead of selling their 116 acres of lakeshore forest for development, they turned to the **Northern Waters Land Trust**.
- The Northern Waters Land Trust had the 116-acre parcel appraised and bought it for an undisclosed sum with grant money from the sales-tax-based **Outdoor Heritage Fund**. The fund is one created by the state's **Clean Water, Land and Legacy Amendment**.

Fisheries Habitat Protection on Strategic North Central MN Lakes Phase 1 – Phase 7

