

SUBCOMMITTEE ON WATER POLICY

October 24, 2024

Hubbard County SWCD – On Priority Lakes Projects

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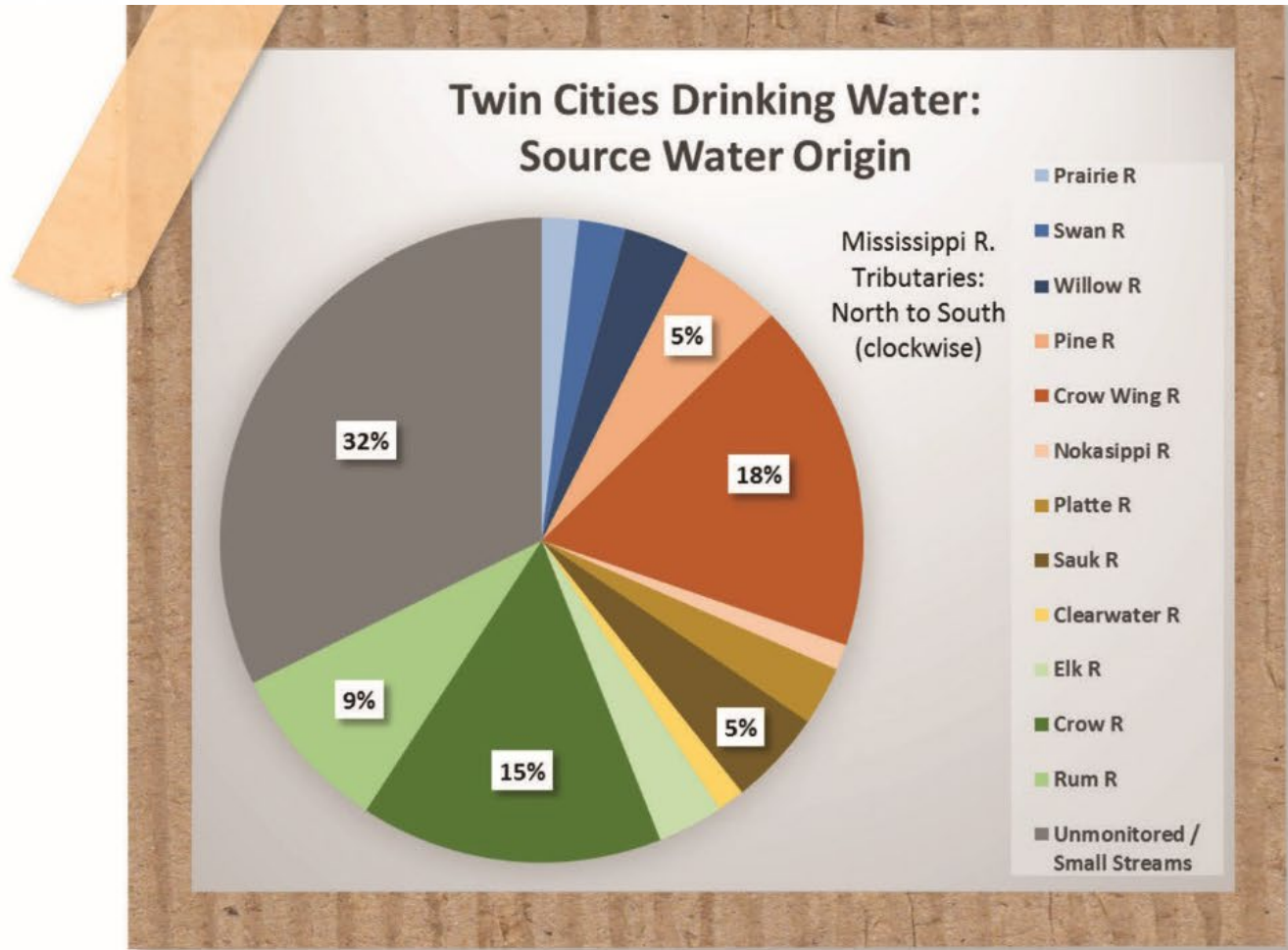
Presentation Goals:

1. Connect 2024 Water Tour Experience & Observations with Forward Looking Goals.
2. Re-affirm Rationale for Priority Lakes & Headwaters Streams Project.
3. Preview Priority Lakes White Paper Data Page, Projected Costs to Meet Goals & Recognition of Key Tools & Partnerships Needed.



HUBBARD COUNTY
Soil & Water
Conservation District

HEALTHY FORESTS = CLEAN WATER DOWNSTREAM



SOURCE-WATER

The upper Mississippi basin serves as Minnesota's largest source-water. It is the primary water source for the cities of St. Cloud, Minneapolis, and St. Paul.

Protecting Lakes, Streams, & Forests
in the Upper Mississippi River Basin

WHAT'S NEXT? = PRIORITY LAKES

Total Lakes = 4100

Filter by Size:

436 Lakes > 400 acres

Remove:

- Impaired
- Already 75% Protected
- Shallow/wild rice/NE Lakes
- High wshd disturbance

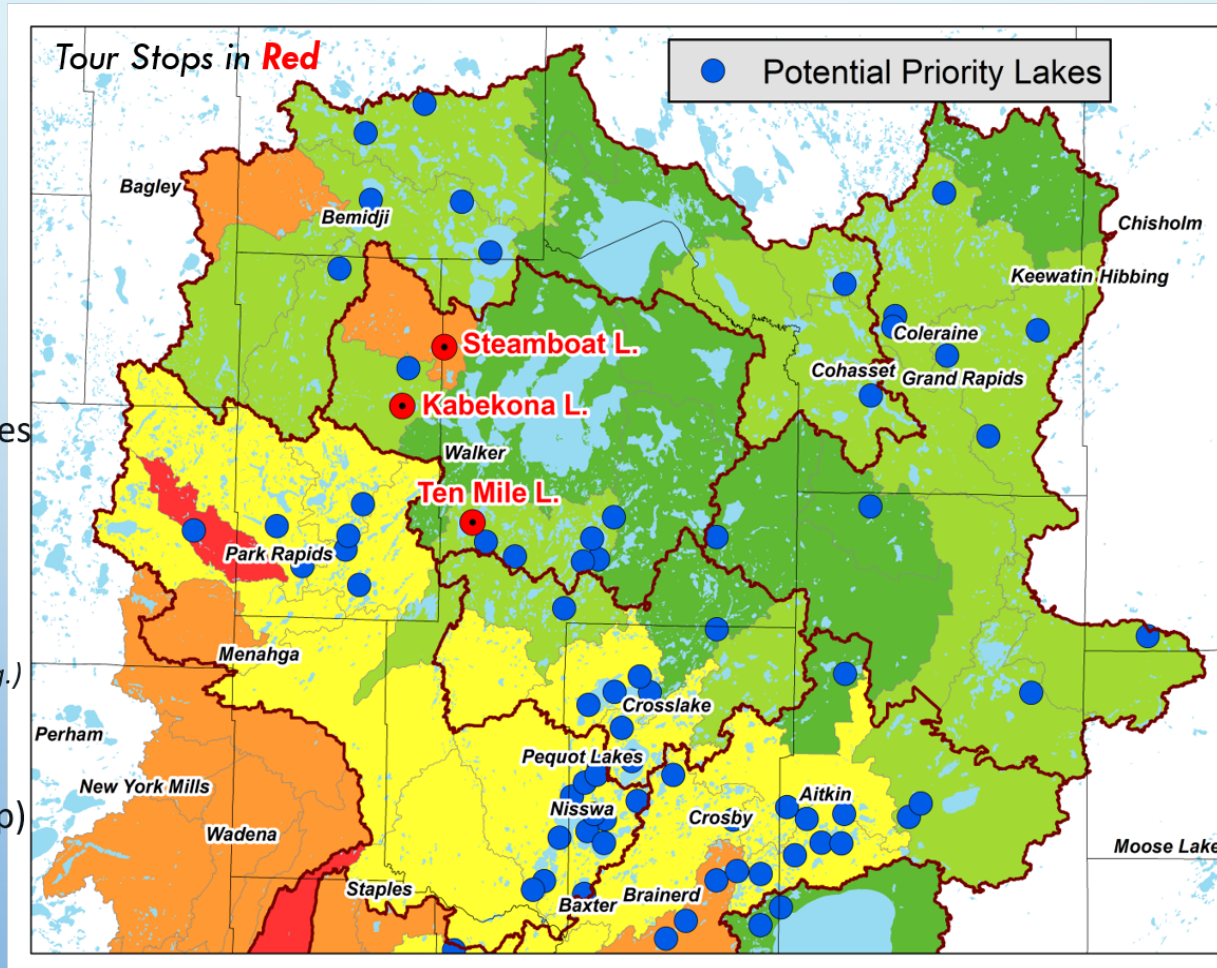
Focus on Intersection of:

- Risk (*Phos. Sensitivity*)
- Quality (*Lakes of Biological Sig.*)

Include:

- Local Priority Lakes (1w1p)

= 60+/- Priority Lakes



Selected Priority Lakes:

*Cass, Gull, Pelican
Whitefish, North Long
Pokegama, Woman, Deer
Big, Edward, Plantagenet
Bay, Swan, Bemidji
Farm Island, Long, Trout,
Steamboat, Fish Hook,
Turtle, Round, Belle Taine,
Cedar, Big Trout, Thunder,
Birch, South Long, Hubert,
Roosevelt, Pleasant, Serpent,
Borden, Garfield, Ada*

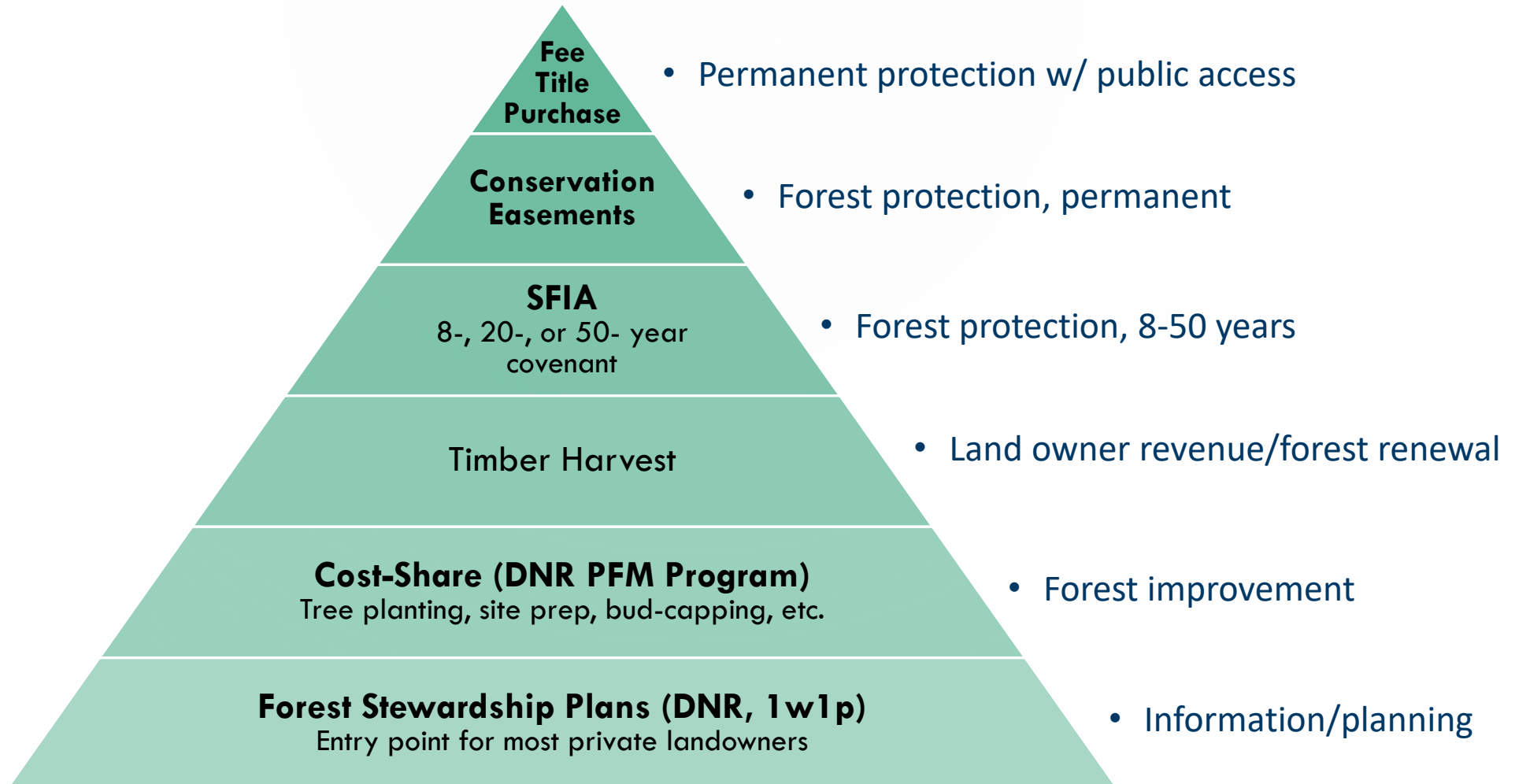
**Total Valuation of
Above Lakes:**

>10 Billion

Lake Name	DNR ID #	Lake Acres	Shoreline (miles)	County(s)	Major Watershed	Lakeshed Protected %	Lakeshed Disturbed %	# of Lakeshed Catchments	Adjusted Acres Needed for 75% Goal	Implementation Focus	Estimated RIM Easement Cost (75%)	Estimated RIM Easement Cost (60%)
Mule*	11020000	538	7.2	Cass	Leech Lake R.	74.5%	8.9%	2	0	Upstream	\$0	\$0
Woman*	11020102	4,925	25.2	Cass	Leech Lake R.	70.7%	8.5%	37	0	Upstream	\$0	\$0
Round	1002300	554	3.7	Aitkin	Miss. R. - G.R.	74.8%	11.3%	1	2	Homeshed	\$2,150	\$0
Round	1013700	636	3.7	Aitkin	Miss. R. - Brainerd	68.5%	8.8%	1	93	Homeshed	\$84,019	\$0
Ada ^u	11025000	970	7.0	Cass	Pine R.	73.4%	10.3%	5	128	Upstream	\$115,269	\$0
Kabekona	29007500	2,456	10.6	Hubbard	Leech Lake R.	75.2%	9.8%	6 / 1	156	Homeshed	\$140,381	\$0
Hammal	1016100	403	4.8	Aitkin	Miss. R. - Brainerd	63.1%	12.2%	1	213	Homeshed	\$191,373	\$0
Fish Trap	49013700	1,233	12.2	Morrison	Long Prairie R.	75.4%	10.3%	3 / 1	241	Homeshed	\$216,767	\$0
Lone	1012500	439	5.6	Aitkin	Miss. R. - Brainerd	49.9%	28.2%	1	253	Homeshed	\$227,314	\$91,362
Shallow	31008400	549	5.1	Itasca	Miss. R. - G.R.	54.9%	15.1%	1	269	Homeshed	\$241,831	\$61,387
Nord	1011700	448	6.0	Aitkin	Miss. R. - Brainerd	56.7%	17.0%	1	275	Homeshed	\$247,634	\$44,398
Girt*	11017400	442	9.5	Cass	Leech Lake R.	70.5%	8.7%	38 / 1	356	Both	\$320,054	\$0
Round ^o	18037300	1,662	6.4	Crow Wing	Crow Wing R.	62.2%	11.3%	7 / 1	385	Homeshed+	\$346,614	\$0
Sullivan	49001600	1,116	7.8	Morrison	Miss. R. - Sartell	54.8%	22.9%	12	395	Upstream	\$355,765	\$0
Nokay [^]	18010400	765	5.3	Crow Wing	Miss. R. - Brainerd	61.7%	11.2%	7	427	Both	\$384,443	\$0
Rush ^u	18031100	729	12.6	Crow Wing	Pine R.	58.6%	16.2%	83 / 2	446	Upstream	\$401,776	\$0
Thunder	11006200	1,361	15.3	Cass	Miss. R. - G.R.	70.5%	5.7%	2	480	Homeshed+	\$431,920	\$0
Round [~]	1020400	734	5.0	Aitkin, CW	Rum R.	61.4%	10.1%	2	559	Upstream	\$503,485	\$0
Clearwater [^]	18003800	965	9.5	Crow Wing	Miss. R. - Brainerd	52.0%	7.7%	1	574	Homeshed	\$516,686	\$179,582
Hubert/Gladstone	18037500 18033800	1,744	9.6	Crow Wing	Crow Wing R.	61.0%	9.5%	3	597	Upstream	\$537,272	\$0
Sylvan	11030400	977	12.6	Cass	Crow Wing R.	58.2%	9.8%	1	610	Homeshed	\$549,215	\$59,345
Pelican	18030802	8,538	24.3	Crow Wing	Pine R.	61.9%	12.5%	15 / 5	666	Homeshed+	\$599,586	\$0
Roosevelt	11004302	1,227	11.5	Cass, CW	Pine R.	76.2%	6.1%	10	707	Homeshed+	\$635,850	\$0
Spirit ^x	1017800	566	7.0	Aitkin	Miss. R. - Brainerd	54.0%	15.9%	12 / 3	708	Both	\$637,343	\$133,154
Garfield	29006100	1,041	7.7	Hubbard	Leech Lake R.	52.9%	19.5%	1	760	Homeshed	\$683,661	\$218,965
Birch*	11041200	1,332	14.3	Cass	Leech Lake R.	74.6%	7.0%	7	765	Homeshed	\$688,500	\$115,437
Edward ^o	18030500	2,738	23.8	Crow Wing	Crow Wing R.	60.1%	11.9%	2	824	Homeshed+	\$741,262	\$0
Blackwater*	11027400	773	7.6	Cass	Leech Lake R.	60.7%	12.5%	5 / 3	850	Both	\$765,000	\$257,950
Upper Mission	18024200	897	5.7	Crow Wing	Miss. R. - Brainerd	59.4%	11.1%	3	932	Homeshed+	\$838,371	\$34,237
Gull	4012000	2,328	13.2	Beltrami	Miss. R. - Headwaters	60.3%	15.5%	1	1,022	Homeshed	\$920,239	\$0

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Spider	29011701	542	12.4	Hubbard	Crow Wing R.	36.8%	24.2%	1	1,132	Homeshed	\$1,019,039	\$619,017
Shamineau	49012700	1,464	9.4	Morrison	Long Prairie R.	66.5%	27.7%	3	1,149	Homeshed+	\$1,034,097	\$0
Long/Dam	1008900 1009600	1,040	9.7	Aitkin	Miss. R. - Brainerd	59.0%	10.5%	2	1,440	Homeshed+	\$1,296,142	\$79,203
Big Trout ^u	18031500	1,368	8.4	Crow Wing	Pine R.	55.4%	9.9%	1	1,597	Homeshed	\$1,437,571	\$338,007
Farm Island ^x	1015900	2,069	13.0	Aitkin	Miss. R. - Brainerd	53.7%	16.2%	9 / 3	1,757	Both	\$1,580,870	\$281,003
North Long ^o	18037200	6,220	20.2	Crow Wing	Crow Wing R.	62.1%	11.2%	6 / 4	1,896	Homeshed+	\$1,706,579	\$0
Hill	1014201	697	7.4	Aitkin	Miss. R. - G.R.	68.4%	11.0%	2	1,918	Homeshed	\$1,726,133	\$488,131
Plantagenet	29015600	2,581	11.3	Hubbard	Miss. R. - Headwaters	73.1%	10.0%	22 / 1	2,050	Homeshed	\$1,845,194	\$879,055
Deer	31071900	4,175	22.2	Itasca	Miss. R. - Headwaters	61.9%	8.3%	6 / 4	2,261	Upstream	\$2,035,298	\$17,735
Swan	31006702	2,144	12.4	Itasca	Miss. R. - G.R.	59.4%	18.7%	14	2,346	Both	\$2,111,809	\$630,942
Borden [~]	18002000	1,059	11.3	Crow Wing	Rum R.	57.6%	10.8%	10	2,364	Both	\$2,127,605	\$408,524
Pleasant [*]	11038300	1,141	10.3	Cass	Leech Lake R.	67.8%	9.1%	12 / 5	2,694	Upstream	\$2,424,977	\$1,267,182
Trout	31021600	1,880	14.1	Itasca	Miss. R. - G.R.	53.5%	14.1%	2	3,006	Both	\$2,705,553	\$821,049
Ossawinnamakee	18035200	709	13.7	Crow Wing	Pine R.	53.7%	13.1%	21 / 6	3,745	Both	\$3,370,216	\$2,050,612
Bay ^x	18003400	2,427	22.4	Crow Wing	Miss. R. - Brainerd	51.9%	16.4%	6	3,939	Both	\$3,545,364	\$1,241,775
Cass	4003000	16,354	38.8	Beltrami, Cass	Miss. R. - Headwaters	64.3%	16.4%	148 / 59	4,005	Upstream	\$3,604,500	\$0
Cullen Chain	18040300 18037700 18037600	1,449	14.7	Crow Wing	Crow Wing R.	34.3%	21.2%	7	4,990	Both	\$4,491,305	\$2,836,460
Pokegama	31053201	5,823	43.0	Itasca	Miss. R. - Headwaters	66.8%	10.6%	7 / 4	6,138	Homeshed+	\$5,524,428	\$1,290,265
Fish Hook	29024200	1,746	9.9	Hubbard	Crow Wing R.	66.7%	13.1%	38 / 4	6,507	Homeshed+	\$5,856,725	\$3,420,947
Lower Hay ^u	18037800	701	4.4	Crow Wing	Pine R.	38.1%	25.4%	5	6,702	Upstream	\$6,031,510	\$3,576,382
Cedar	1020901	1,580	21.8	Aitkin, CW	Miss. R. - Brainerd	45.9%	17.9%	13	7,587	Both	\$6,828,174	\$3,313,841
Turtle	4015900	1,666	10.2	Beltrami	Miss. R. - Headwaters	48.3%	22.6%	9	8,493	Both	\$7,643,426	\$3,348,816
Total								615 / 284	91,411		\$82,270,295	\$28,104,762

TOOLS FOR MOVING THE NEEDLE TO 75%



THANK YOU!

For:

- Your time today
- Joining us on the Water Tour
- Your service and commitment to your communities and to the State of Minnesota

Please email questions and comments to crystal.hcswcd@gmail.com

We are still working on the Water Tour booklet and aiming to have it printed and mailed out to participants soon. Please let me or Jim know if you have photos or other items you would like to see included. Deadline for printing is October 30th

