

MEMORANDUM

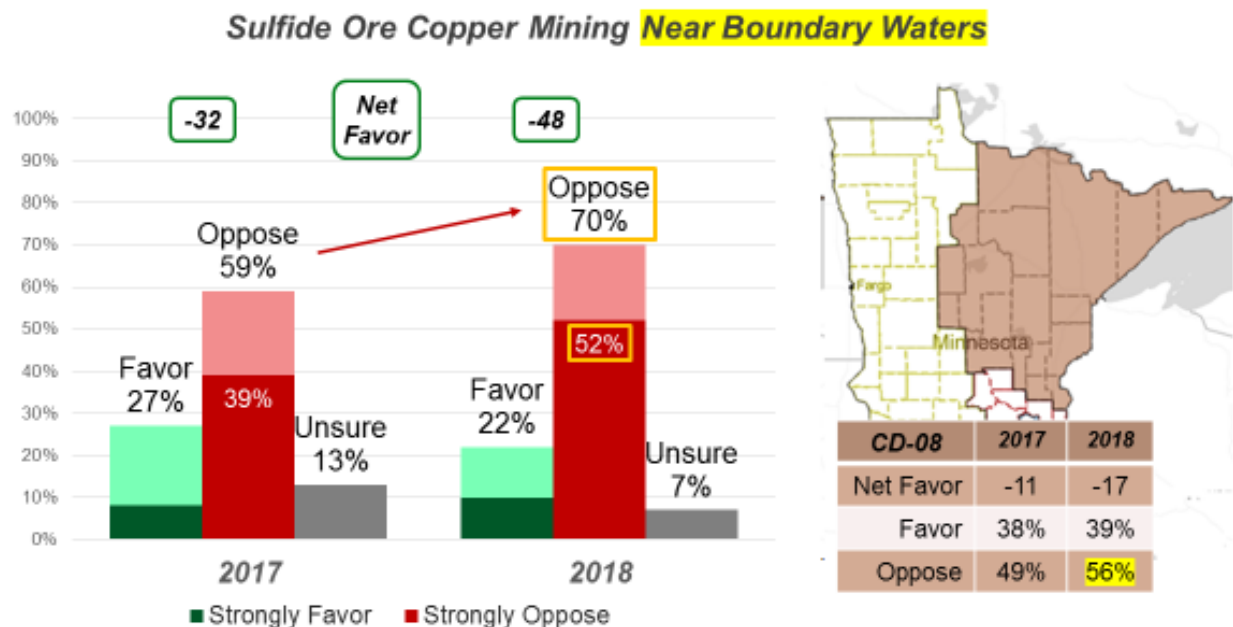
TO: INTERESTED PARTIES
 FROM: TONY FABRIZIO, BOB WARD & JAMES LEE
 DATE: FEBRUARY 27, 2018
 RE: SULFIDE ORE COPPER MINING NEAR THE BOUNDARY WATERS

Most Minnesota voters, 70%, are against sulfide ore copper mining in the areas near the Boundary Waters Wilderness compared to only 22% that support such actions.

Voter opposition to sulfide ore copper mining in areas near the Boundary Waters Wilderness is growing. Opposition has increased by 11 points from 59% last year to 70% currently.

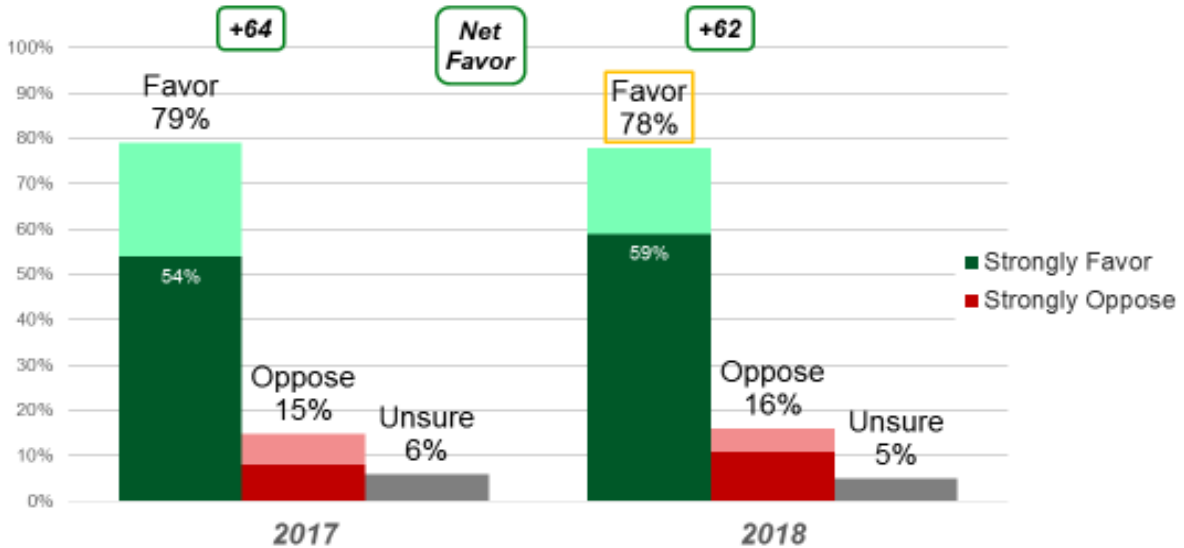
Voter intensity has also solidified. Half of Minnesota voters are now strongly opposed to sulfide ore copper mining in areas near the Boundary Waters Wilderness – a 13-point increase in intensity from 2017, moving from 39% then to 52% currently.

Opposition to sulfide ore copper mining in areas near the Boundary waters extends to CD-8, the location of the potential mines. A majority of voters (56%) in CD-8 are now opposed to sulfide ore copper mining in areas near the Boundary Waters.



Voters continue to believe the two-year pause and study decision made by federal land management agencies at the end of 2016 is the correct one. There is strong support for the current two-year pause to gather scientific information and public input about the potential effects of sulfide ore copper mining near the Boundary Waters.

Federal Land Management Agencies Two-Year Pause & Study

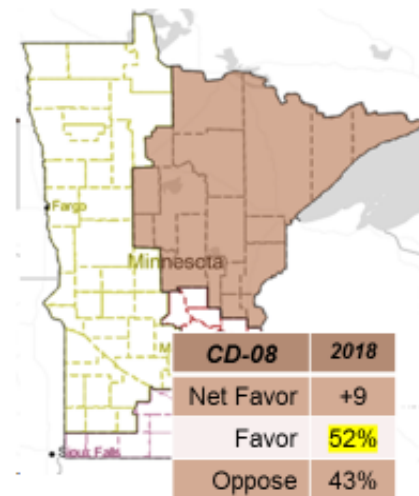
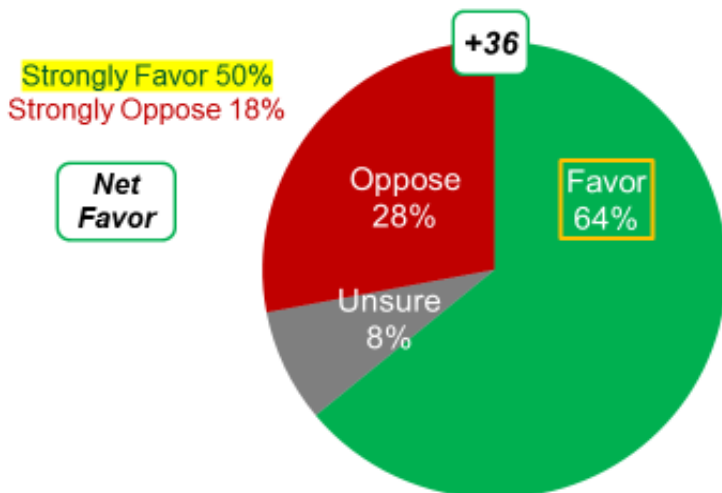


Governor Dayton’s directive banning sulfide ore copper mining in areas near the Boundary Waters is a popular one. Nearly two-thirds of Minnesota voters favor the governor’s ban of sulfide ore copper mining in areas near the Boundary Waters Wilderness.

Support for the governor’s decision is intense with half of all voters saying they strongly favor the directive.

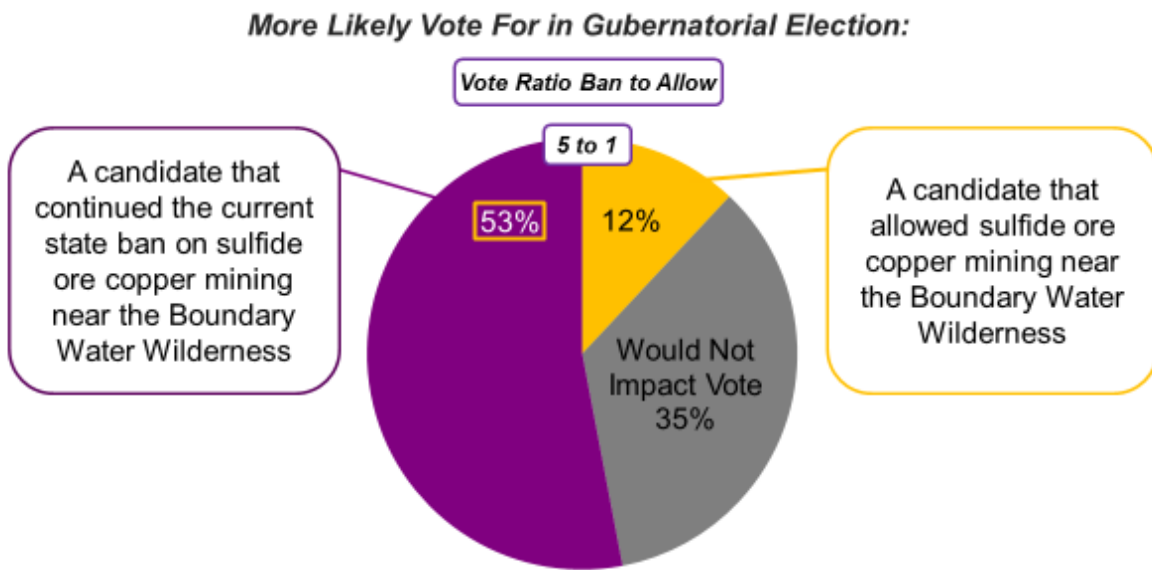
Even a bare majority of voters in CD-8, the area likely to benefit the most from the potential mines, favor the Governor’s directive to ban sulfide ore copper mining in areas near the Boundary Waters.

Governor’s Decision to Ban Sulfide Ore Copper Mining Near Boundary Waters



Keeping sulfide ore copper mining away from the Boundary Waters Wilderness could be a potent electoral issue in the upcoming gubernatorial race. We asked voters which candidate for governor they would be more likely to vote for: one that “continued the current state ban on sulfide ore copper mining near the Boundary Waters Wilderness” or a candidate that “allowed sulfide ore copper mining near the Boundary Waters Wilderness.” By a margin of 5 to 1, voters overwhelmingly said they would be more likely to vote for a gubernatorial candidate that continues the ban.

There is no upside for a gubernatorial candidate to come out in support of allowing sulfide ore copper mining near the Boundary Waters Wilderness. Only 12% of voters say would be more likely to vote for a candidate that allows sulfide ore copper mining near the Boundary Waters Wilderness.



METHODOLOGY: Fabrizio Ward conducted a statewide telephone survey of 800 registered voters in Minnesota with an oversample in the eighth congressional district to obtain 300 interviews there. Interviews were stratified into proportionate geographic units based on voter registration data from the Minnesota Election Administration & Campaigns office. The survey was conducted February 11-15, 2018 with 58% of the interviews contacted on cell phones and the rest on landlines. Gender, age, and party affiliation were weighted to accurately reflect the state. The margin of error at the 95% confidence interval for 800 registered voters is $\pm 3.5\%$ and $\pm 5.7\%$ for 300 registered voters. Trend data taken from n600 telephone survey conducted February 11-16, 2017.

**Due to rounding, some totals may add up to more or less than 100%*

Q. In what year were you born?

	17 SW	18 SW	17 CD-8	18 CD-8
18-34	21	22	19	19
35-54	33	32	29	29
55-64	21	19	21	21
65+	22	23	29	29
Refused	3	4	2	2

Q. Record gender, by observation

	17 SW	18 SW	17 CD-8	18 CD-8
Male	48	48	48	48
Female	52	52	52	52

Q. Which of the following best describes your current employment situation?

	17 SW	18 SW	17 CD-8	18 CD-8
Employed full time	54	58	45	49
Employed part time	8	9	10	8
Unemployed	2	3	5	4
Homemaker	5	3	4	4
Student	5	4	3	2
Retired	24	22	31	31
DK/Refused (DO NOT READ)	*	2	1	2

- Q. Do you consider yourself a Democrat or DFLer, a Republican, an Independent or something else?
 [IF INDEPENDENT/SOMETHING ELSE, ASK:] Do you lean more towards the Democrats or the Republicans? [IF NEITHER; RECORD AS AN INDEPENDENT]

	17 SW	18 SW	17 CD-8	18 CD-8
REPUBLICAN/LEAN REPUBLICAN	41	34	42	39
INDEPENDENT	11	17	8	17
DFL/LEAN DFL	43	45	43	41
Republican	30	25	27	26
Independent/lean Republican	11	9	15	13
Independent/lean Democrat/DFLer	6	9	9	9
Democrat/DFLer	37	36	34	32
Other / Don't Know (DO NOT READ)	5	3	7	4

- Q. As you may know, mining companies have also proposed opening sulfide ore copper mines on the edge of the Boundary Waters Wilderness. From what you know, do you favor or oppose sulfide ore copper mining in the areas near the Boundary Waters Wilderness? **(IF FAVOR/OPPOSE, ASK) And is that STRONGLY (favor/oppose) or SOMEWHAT (favor/oppose)?**

	17 SW	18 SW	17 CD-8	18 CD-8
TOTAL FAVOR	27	22	38	39
TOTAL OPPOSE	59	70	49	56
Strongly favor	8	10	18	20
Somewhat favor	19	12	20	19
Somewhat oppose	20	18	12	15
Strongly oppose	39	52	36	40
Don't Know/Refused (DO NOT READ)	13	7	13	5

Q. A year ago, federal land management agencies declared the areas near the Boundary Waters Wilderness area off limits from sulfide ore copper mining for two years while they gather scientific information and public input about its potential impacts. This study could lead to a longer-term ban of up to twenty years on sulfide ore copper mining near the Boundary Waters Wilderness. Do you favor or oppose taking this type of pause to gather more information about the potential impacts of sulfide ore copper mining? **(IF FAVOR/OPPOSE, ASK) And is that STRONGLY (favor/oppose) or SOMEWHAT (favor/oppose)?**

	17 SW	18 SW	17 CD-8	18 CD-8
TOTAL FAVOR	79	78	70	66
TOTAL OPPOSE	15	16	23	27
Strongly favor	54	59	46	47
Somewhat favor	25	19	24	19
Somewhat oppose	7	5	9	9
Strongly oppose	8	11	14	18
Don't Know/Refused (DO NOT READ)	6	5	6	6

Q. The governor of Minnesota has issued an order banning sulfide ore copper mining near the Boundary Water Wilderness area. Do you favor or oppose the governor's ban on sulfide ore copper mining near the Boundary Water Wilderness area? **(IF FAVOR/OPPOSE, ASK) And is that STRONGLY (favor/oppose) or SOMEWHAT (favor/oppose)?**

	18 SW	18 CD-8
TOTAL FAVOR	64	52
TOTAL OPPOSE	28	43
Strongly favor	50	40
Somewhat favor	14	12
Somewhat oppose	11	16
Strongly oppose	18	27
Don't Know/Refused (DO NOT READ)	8	6

Q. The next governor of Minnesota would be able to decide if sulfide ore copper mining near the Boundary Waters Wilderness would be allowed. Which candidate for governor would you be more likely to vote for? (ROTATE 1-2)

	18 SW	18 CD-8
A candidate that continued the current state ban on sulfide ore copper mining near the Boundary Water Wilderness	53	40
A candidate that allowed sulfide ore copper mining near the Boundary Water Wilderness	12	21
This issue would not impact your vote for governor	30	33
Don't Know/Refused (DO NOT READ)	5	6