



**COON CREEK**  
WATERSHED DISTRICT

Public Input  
Surveys – Final  
Results



# Beneficial Uses

Paired Comparison Survey



# Beneficial Uses Paired Comparison

- 28 questions comparing 8 beneficial uses

2022 Rankings - ALL		
Beneficial Use	Importance	Score
Drinking water	1	208
Fish & Wildlife	2	178
Aquatic Life	3	155
Agriculture	4	111
Aesthetic Enjoyment	4	92
Recreation	6	88
Industrial use	7	62
Navigation	8	58

n=34

2022 Rankings - Online (excludes Board; includes residents, CAC, TAC, and some Engineers)		
Beneficial Use	Importance	Score
Drinking Water	1	173
Fish & Wildlife	2	155
Aquatic Life	3	138
(TIE) Agriculture	4	84
(TIE) Aesthetic Enjoyment	5	84
Recreation	6	79
Industrial Use	7	51
Navigation	8	48

n=29



# Beneficial Uses Paired Comparison

2022 Rankings - Board		
Beneficial Use	Importance	Score
Drinking water	1	35
Agriculture	2	26
Fish & Wildlife	3	23
Aquatic Life	4	17
Industrial use	5	12
Navigation	6	10
Aesthetic Enjoyment	7	9
Recreation	8	8

n=5

2022 Rankings - CAC		
Beneficial Use	Importance	Score
Drinking water	1	45
(TIE) Fish & Wildlife	2	38
(TIE) Aquatic Life	3	38
Agriculture	4	26
Industrial use	5	17
Recreation	6	14
Aesthetic Enjoyment	7	12
Navigation	8	6

n=7

2022 Rankings - TAC		
Beneficial Use	Importance	Score
Drinking Water	1	44
Fish & Wildlife	2	36
Aquatic Life	3	33
Aesthetic Enjoyment	4	27
Recreation	5	20
Agriculture	6	14
Navigation	7	13
Industrial Use	8	9

n=7



# Identifying Priority Concerns

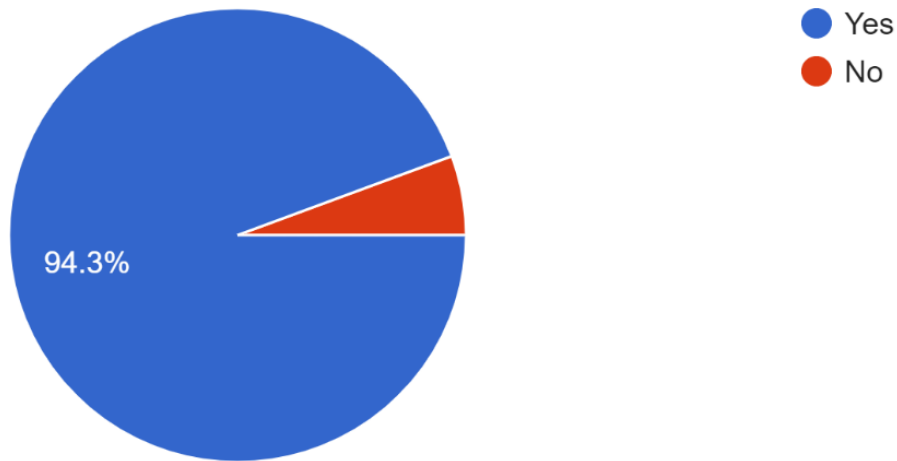
Prioritization Survey



# Prioritization Survey - Overall

Do you live or work in Coon Creek Watershed District?

53 responses



Notes on the "No" answers (quantity=3):

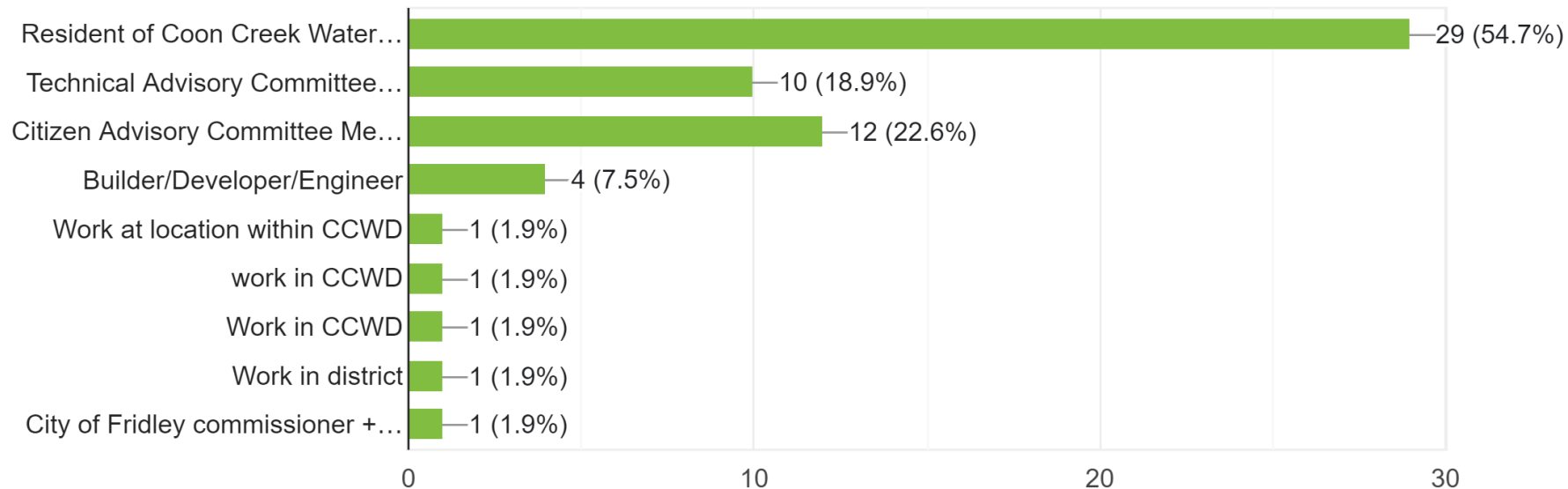
1. TAC member (BWSR)
2. TAC member (Fridley)
3. Other – "City of Fridley commissioner + part time educator for organizations within CCWD")



# Prioritization Survey - Overall

Which best describes you?

53 responses



## Notes:

- People could check more than one option (in particular, one person checked CAC and TAC – since they answered twice, the online submission was considered TAC and the paper as CAC)
- One resident incorrectly checked CAC



# Prioritization Survey – “General” Category

- Ranked in order of importance (6 items)

All submissions (n=53)

Importance	Concern	Score	Avg Rank
1	Water Quality	89	1.7
2	Ground Water	164	3.1
3	Water Quantity	196	3.7
4	Wetlands	215	4.1
5	Wildlife	223	4.2
6	Drainage	226	4.3

CAC only (n=10)

Importance	Concern	Score	Avg Rank
1	Water Quality	18	1.8
2	Ground Water	20	2
3	Drainage	38	3.8
4	Water Quantity	41	4.1
5	Wetlands	45	4.5
6	Wildlife	48	4.8

TAC only (n=10)

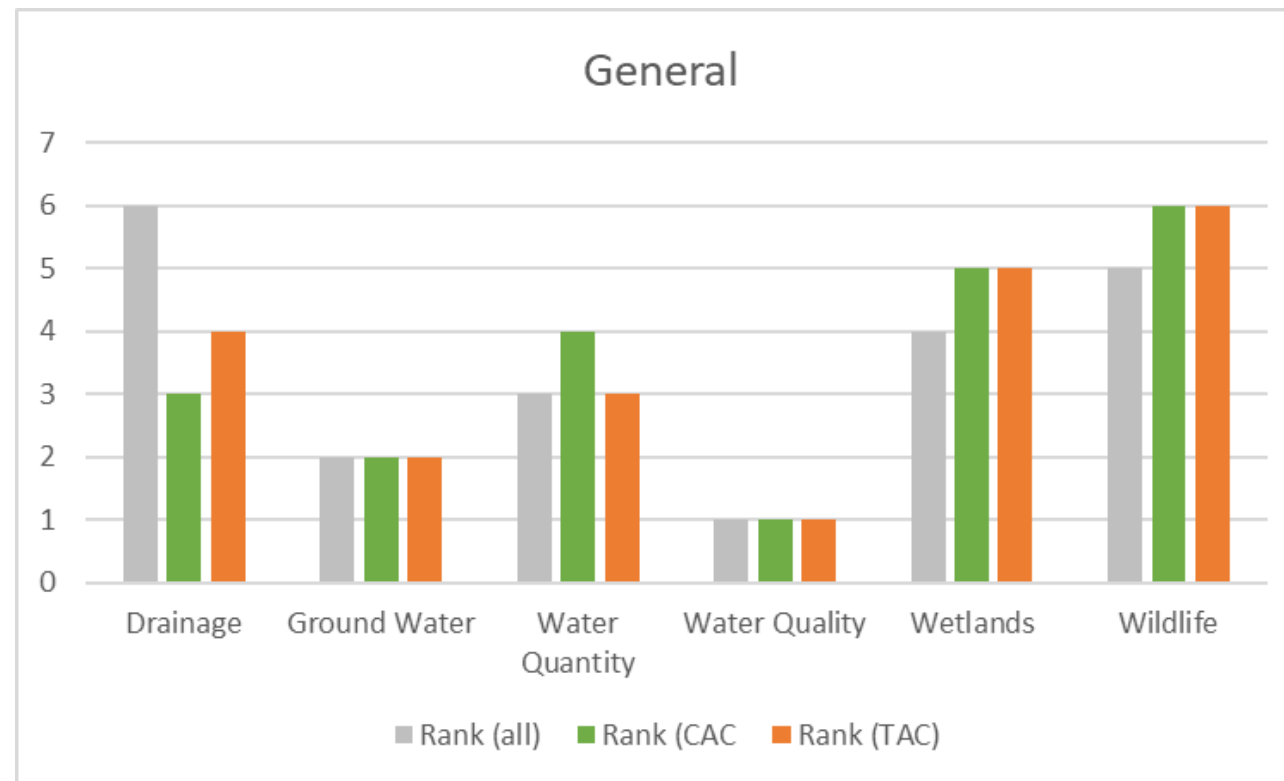
Importance	Concern	Score	Avg Rank
1	Water Quality	14	1.4
2	Ground Water	31	3.1
3	Water Quantity	32	3.2
4	Drainage	41	4.1
5	Wetlands	43	4.3
6	Wildlife	49	4.9





# Prioritization Survey – “General” Category

- Comparing between groups (all vs CAC vs TAC)



Note: the **shorter** the bar, the **higher** it was prioritized.



# Prioritization Survey – “Geologic Hazards & Sensitive Lands” Category

- Ranked in order of importance (4 items)

All submissions (n=53)

Importance	Concern	Score	Avg Rank
1	Flooding	90	1.7
2	High Infiltration Soils	101	1.9
3	Land Slides & Mass Wasting	154	2.9
4	Steep Slopes	185	3.5

CAC only (n=10)

Importance	Concern	Score	Avg Rank
1	Flooding	15	1.5
2	High Infiltration Soils	20	2
3	Land Slides & Mass Wasting	30	3
4	Steep Slopes	35	3.5

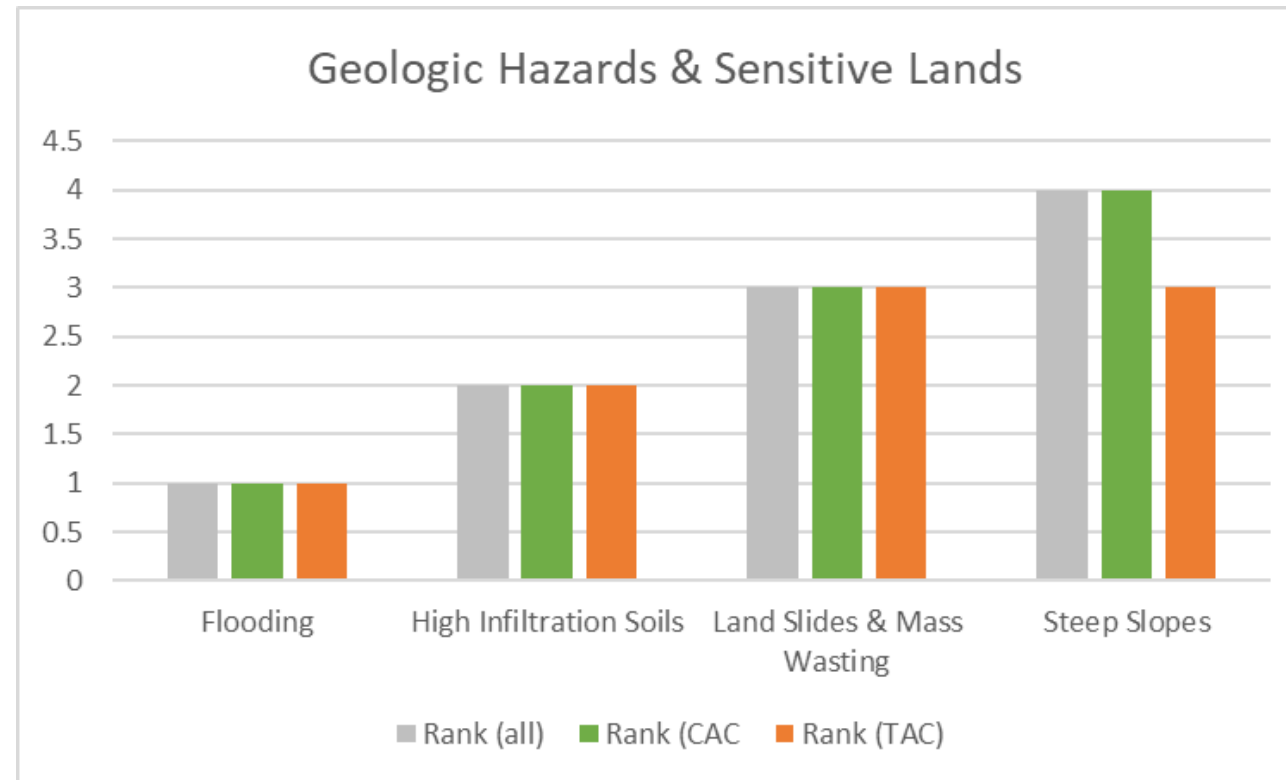
TAC only (n=10)

Importance	Concern	Score	Avg Rank
1	Flooding	16	1.6
2	High Infiltration Soils	21	2.1
3	Land Slides & Mass Wasting	30	3
4	Steep Slopes	33	3.3



# Prioritization Survey – “Geologic Hazards & Sensitive Lands” Category

- Comparing between groups (all vs CAC vs TAC)



Note: the **shorter** the bar, the **higher** it was prioritized.



# Prioritization Survey – “Ground Water” Category

- Ranked in order of importance (9 items)

All submissions (n=53)

Importance	Concern	Score	Avg Rank
1	Drinking Water	138	2.6
2	Source Water Protection	237	4.47
3	Water Supply	238	4.49
4	Sustainability	253	4.8
5	GW Recharge	264	5
6	Declining Surficial GW Levels	284	5.4
7	GW-SW Interactions	321	6.06
8	GW-Dependent SW Resources	323	6.09
9	Chloride	327	6.2

CAC only (n=10)

Importance	Concern	Score	Avg Rank
1	Drinking Water	19	1.9
2	Declining Surficial GW Levels	35	3.5
3	GW Recharge	41	4.1
4	Source Water Protection	43	4.3
5	Sustainability	56	5.6
6	Water Supply	58	5.8
7	Chloride	59	5.9
8	GW-Dependent SW Resources	67	6.7
9	GW-SW Interactions	72	7.2

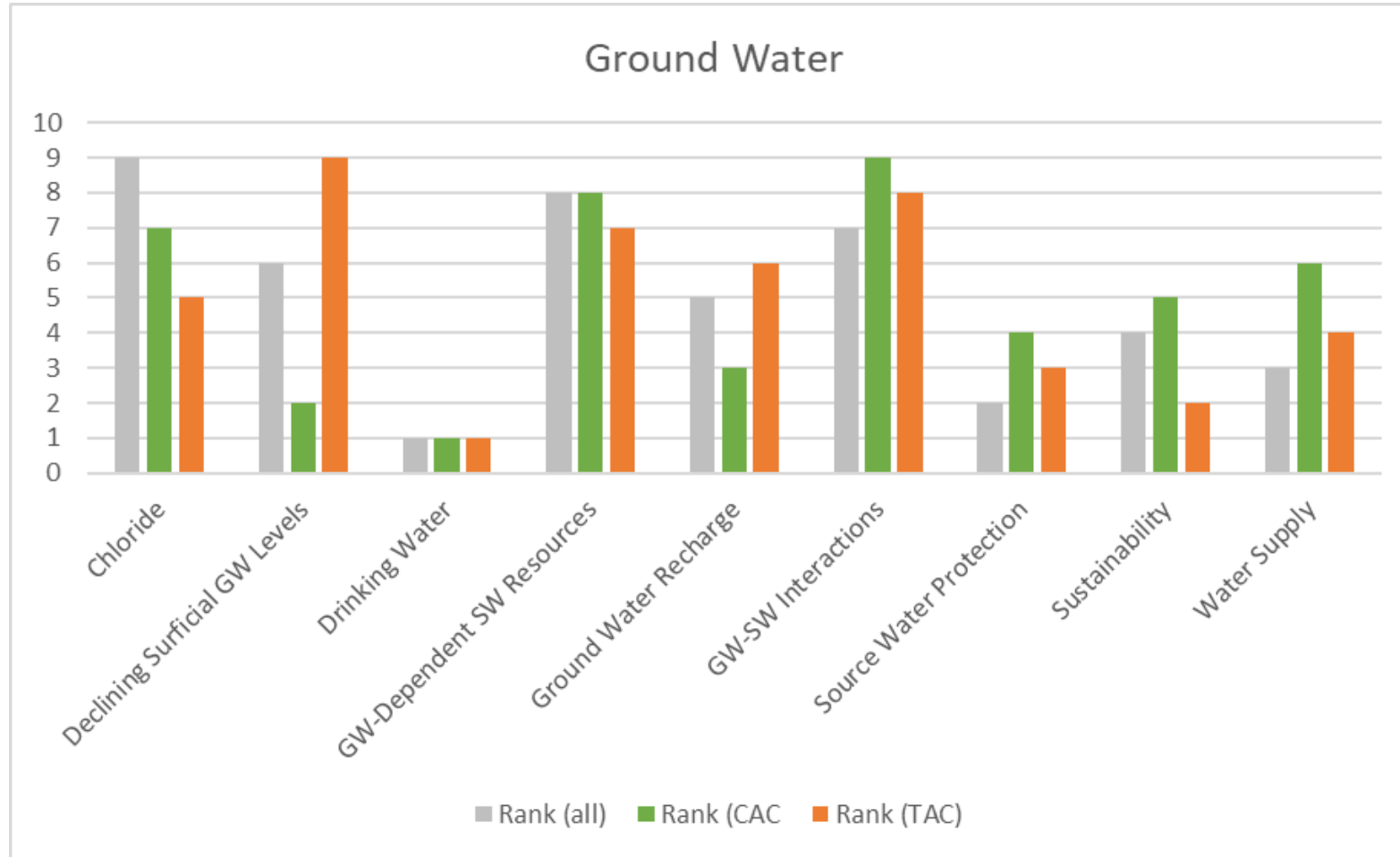
TAC only (n=10)

Importance	Concern	Score	Avg Rank
1	Drinking Water	35	3.5
2	Sustainability	42	4.2
3	Source Water Protection	44	4.4
4	Water Supply	45	4.5
5	Chloride	46	4.6
6	GW Recharge	53	5.3
7	GW-Dependent SW Resources	56	5.6
8	GW-SW Interactions	61	6.1
9	Declining Surficial GW Levels	68	6.8



# Prioritization Survey – “Ground Water” Category

- Comparing between groups (all vs CAC vs TAC)



Note: the **shorter** the bar, the **higher** it was prioritized.



# Prioritization Survey – “Public Drainage” Category

- Ranked in order of importance (2 items)

All submissions (n=53)

Importance	Concern	Score	Avg Rank
1	Conservation Drainage	77	1.45
2	Ditch Maintenance & Repair	82	1.55

CAC only (n=10)

Importance	Concern	Score	Avg Rank
1	Ditch Maintenance & Repair	14	1.4
2	Conservation Drainage	16	1.6

TAC only (n=10)

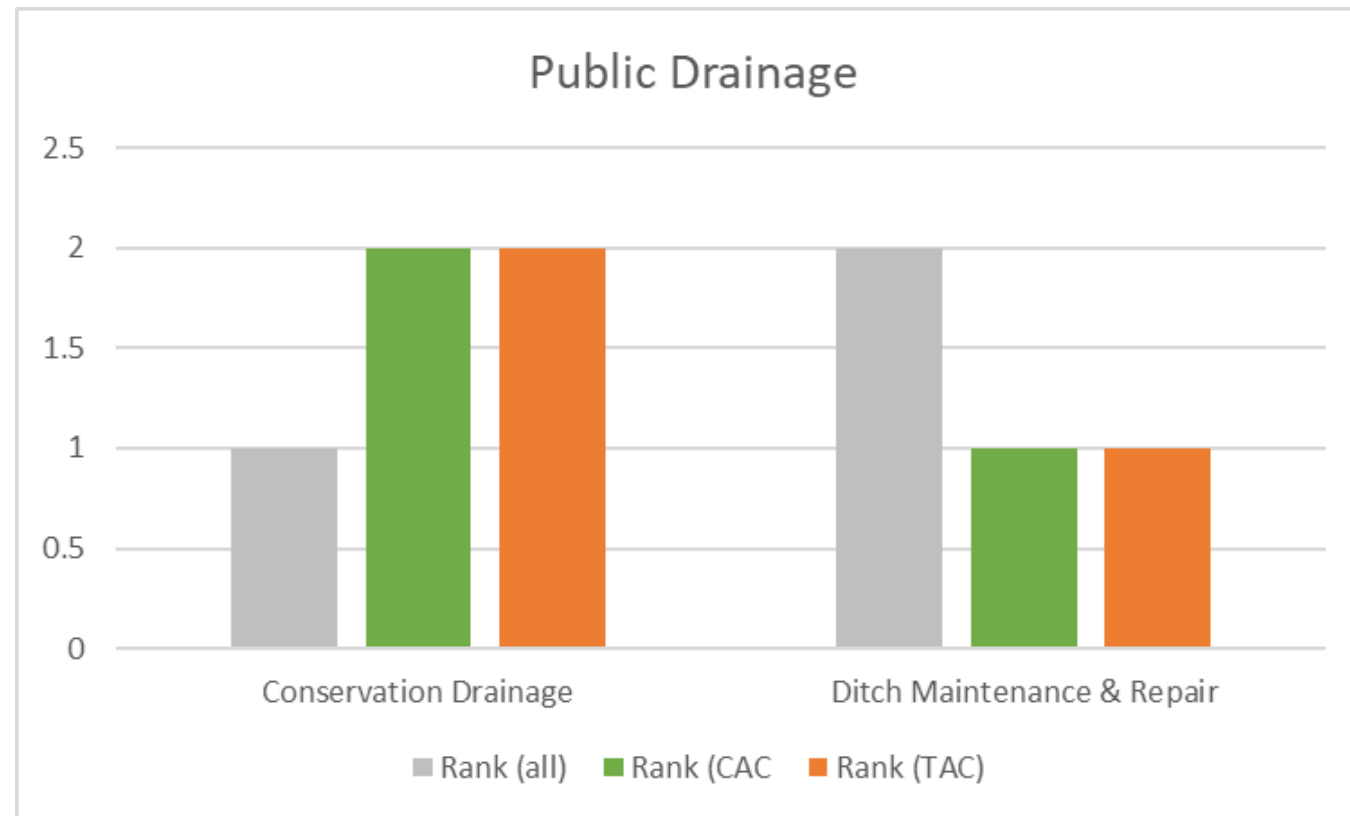
Importance	Concern	Score	Avg Rank
1	Ditch Maintenance & Repair	14	1.4
2	Conservation Drainage	16	1.6

(Yes, the CAC and TAC rankings are exactly the same!)



# Prioritization Survey – “Public Drainage” Category

- Comparing between groups (all vs CAC vs TAC)



Note: the **shorter** the bar, the **higher** it was prioritized.



# Prioritization Survey – “Water Quality” Category

- Ranked in order of importance (10 items)

All submissions (n=53)

Importance	Concern	Score	Avg Rank
1	Water Quality Impairments	175	3.3
2	Lake Health	236	4.5
3	Aquatic Life Impairment	271	5.1
4	Waterborne Pathogens	274	5.2
5	Chloride	297	5.6
6	Contaminants of Emerging Concern	301	5.7
7	E. coli	310	5.8
8	Aquatic Invasive Species (AIS)	328	6.2
9	Fisheries Impairment	337	6.4
10	Aquatic Recreation Impairment	386	7.3

CAC only (n=10)

Importance	Concern	Score	Avg Rank
1	Chloride	28	2.8
2	Waterborne Pathogens	41	4.1
3	E. coli	44	4.4
4	Water Quality Impairments	46	4.6
5	Lake Health	49	4.9
6	Aquatic Life Impairment	56	5.6
7	Contaminants of Emerging Concern	64	6.4
8	Fisheries Impairment	66	6.6
9	Aquatic Invasive Species (AIS)	70	7
10	Aquatic Recreation Impairment	86	8.6

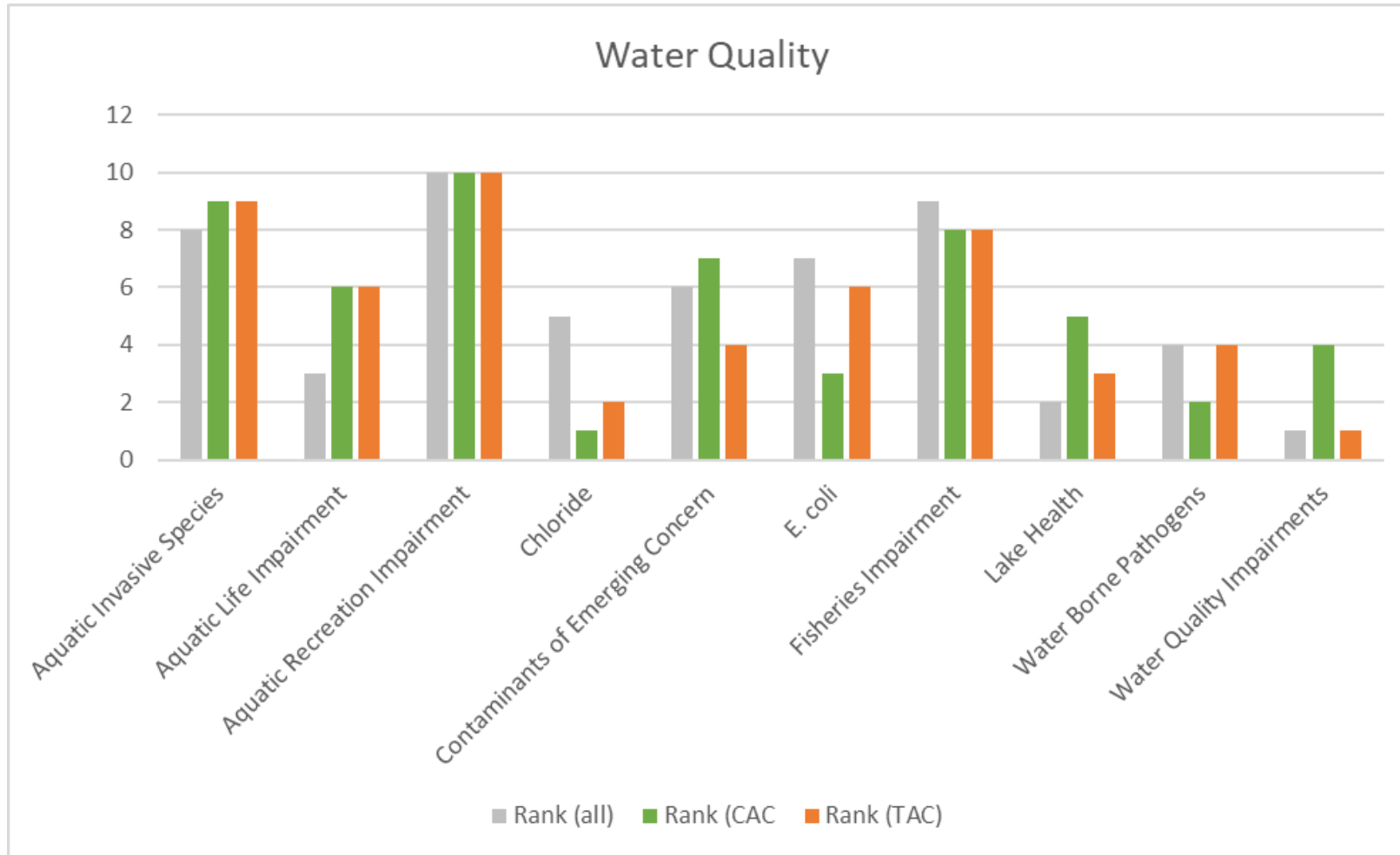
TAC only (n=10)

Importance	Concern	Score	Avg Rank
1	Water Quality Impairments	20	2
2	Chloride	37	3.7
3	Lake Health	40	4
4	Waterborne Pathogens	61	6.1
4	Contaminants of	61	6.1
6	Aquatic Life Impairment	62	6.2
6	E. coli	62	6.2
8	Fisheries Impairment	65	6.5
9	Aquatic Invasive Species (AIS)	70	7
10	Aquatic Recreation Impairment	72	7.2



# Prioritization Survey – “Water Quality” Category

- Comparing between groups (all vs CAC vs TAC)



Note: the **shorter** the bar, the **higher** it was prioritized.



# Prioritization Survey – “Water Quantity” Category

- Ranked in order of importance (5 items)

All submissions (n=53)

Importance	Concern	Score	Avg Rank
1	Altered Hydrology	111	2.1
2	Flooding	119	2.2
3	Variation in Storm Type	150	2.8
4	High Water Table	188	3.5
5	Reverse Flows	227	4.3

CAC only (n=10)

Importance	Concern	Score	Avg Rank
1	Flooding	16	1.6
2	Altered Hydrology	22	2.2
3	Variation in Storm Type	33	3.3
4	High Water Table	35	3.5
5	Reverse Flows	44	4.4

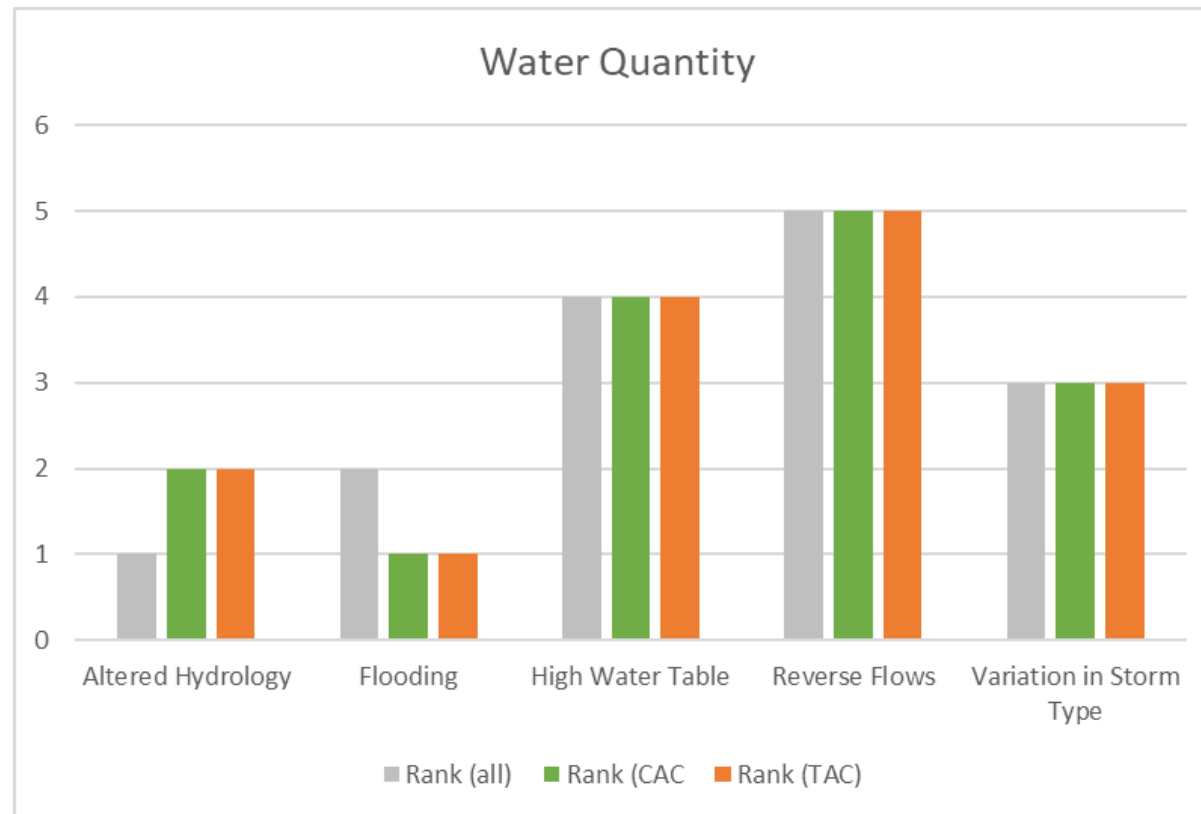
TAC only (n=10)

Importance	Concern	Score	Avg Rank
1	Flooding	17	1.7
2	Altered Hydrology	22	2.2
3	Variation in Storm Type	24	2.4
4	High Water Table	40	4
5	Reverse Flows	47	4.7



# Prioritization Survey – “Water Quantity” Category

- Comparing between groups (all vs CAC vs TAC)



Note: the **shorter** the bar, the **higher** it was prioritized.



# Prioritization Survey - Other

*Open-ended question at the end of the survey for any concerns not listed elsewhere in the survey (optional)*

- “Grey water management rules; deep well restrictions; agricultural pumping limits” – CAC member
- “Number of sources drawing from the aquifer” – a Resident
- “Per Capita tax rate too low to achieve clean water objectives” – Other (“work in district”)
- “I like your questions and surveys. Lets protect and restore streams so they are a valued resource, not a drainage ditch.” - a Resident



# Prioritization Survey - Other

- “The coon creek restoration project was a great step in working to resolve many issues in the creek. However, in the developments surrounding the project (mainly 141st and east of Hanson) the storm sewers dump straight into the creek. Rain gardens and other sustainable practices would help reduce the amount “junk” (sediments. Etc.) from entering into the stream. These would also provide great pollinator habitat (these could be funded through demonstration grants, cost shares or other forms of working with the neighborhood to help keep the creek clean). When neighbors are involved it makes the whole process so much easier.” – a Resident
- “Considering clearing deadfall to allow passage” – a Resident
- “I really feel that preservation of topical surface area of open water bodies needs to be preserved. our area is being overbuilt and the purpose of wetlands is to contain and filter water runoff, but with the wetlands being built over, the filtering capacity has dropped due to mass ingress of ditches filling wetlands instead of runoff flowing through the plants and sand at the edges and banks of the wetlands. The water being dumped in large volumes into the wetlands isn't filtered into the groundwater as well. also, stop building parking lots everywhere! we do NOT need more car dealerships covering up the permeable land, and everyone HATES the light pollution from the parking lot lights which never get turned off.” – a Resident



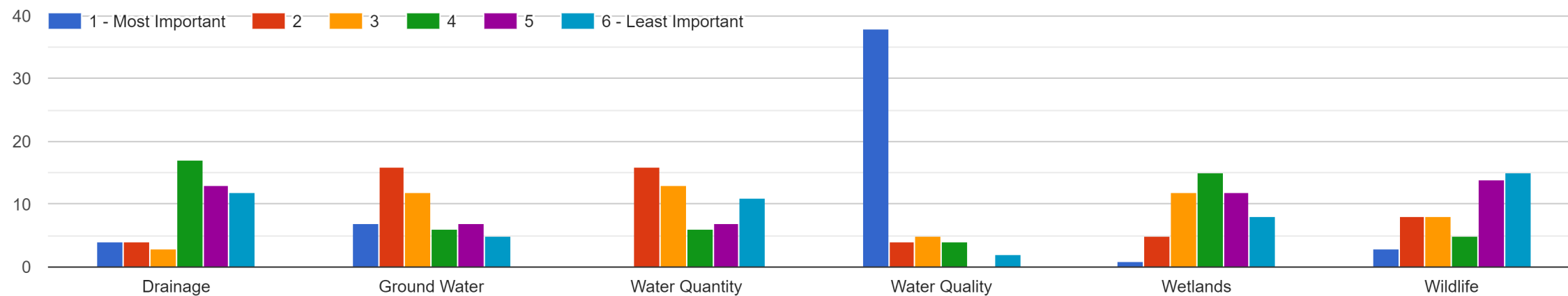
# Prioritization Survey – Google Charts

- Google makes these charts that portray the information differently than the charts on the previous slides.
- They are another way to look at the results of the survey, which is sometimes interesting.
- However, they can be confusing and some of them do not give a ton of useful information.



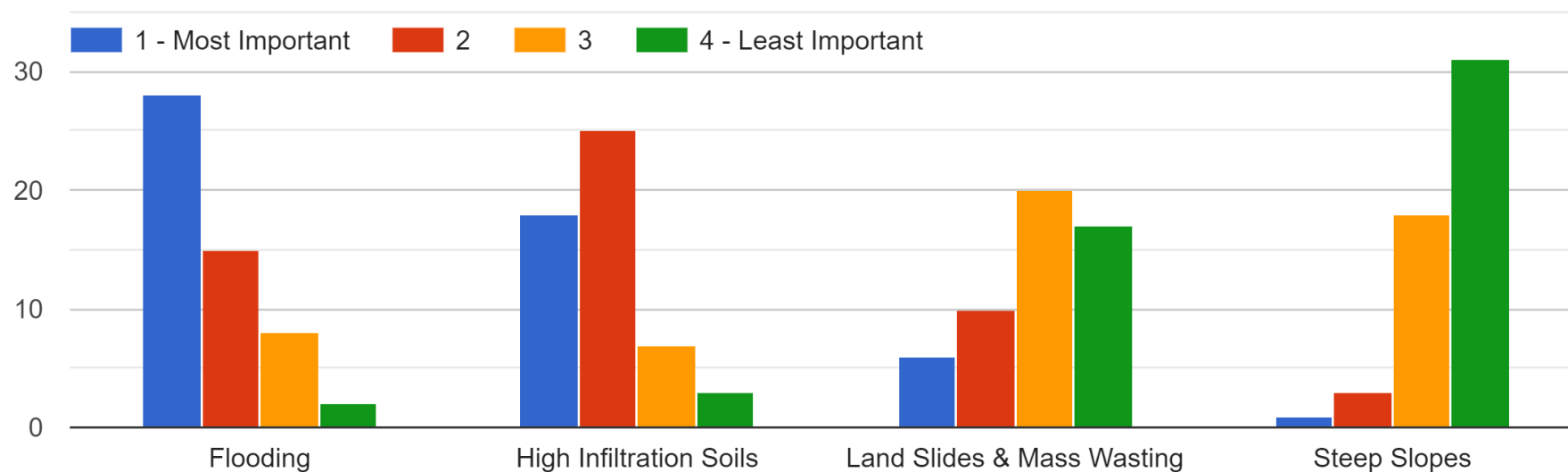
# Prioritization Survey – Google Charts

General



# Prioritization Survey – Google Charts

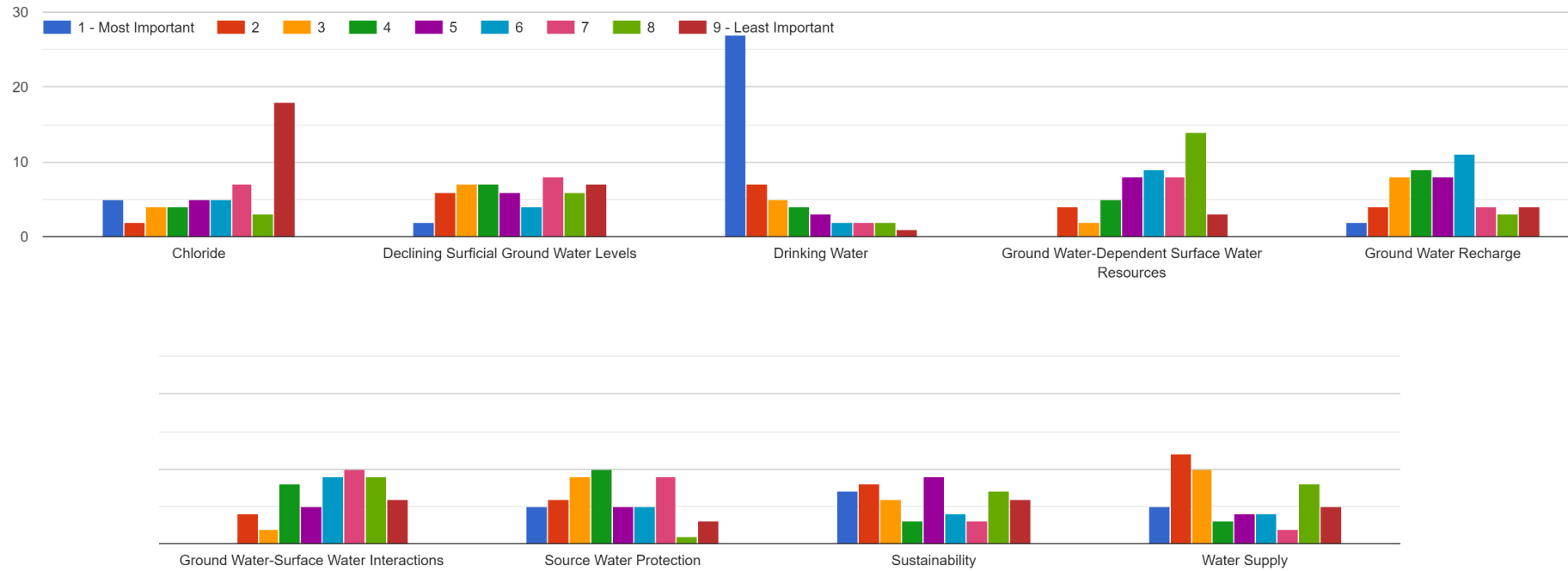
## Geologic Hazards & Sensitive Lands





# Prioritization Survey – Google Charts

Ground Water

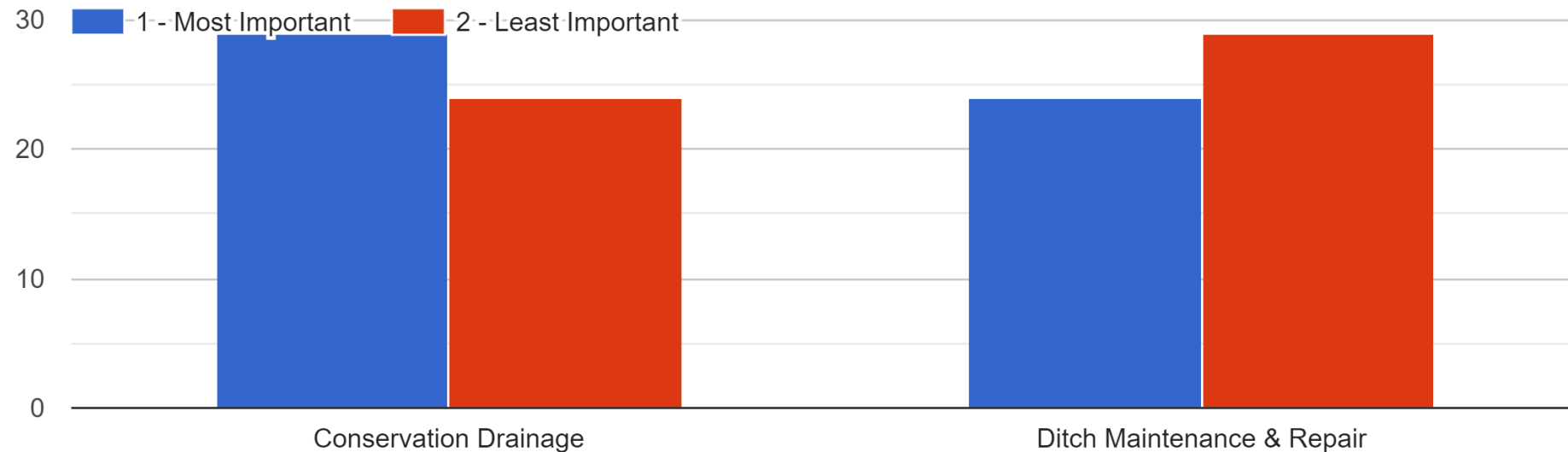


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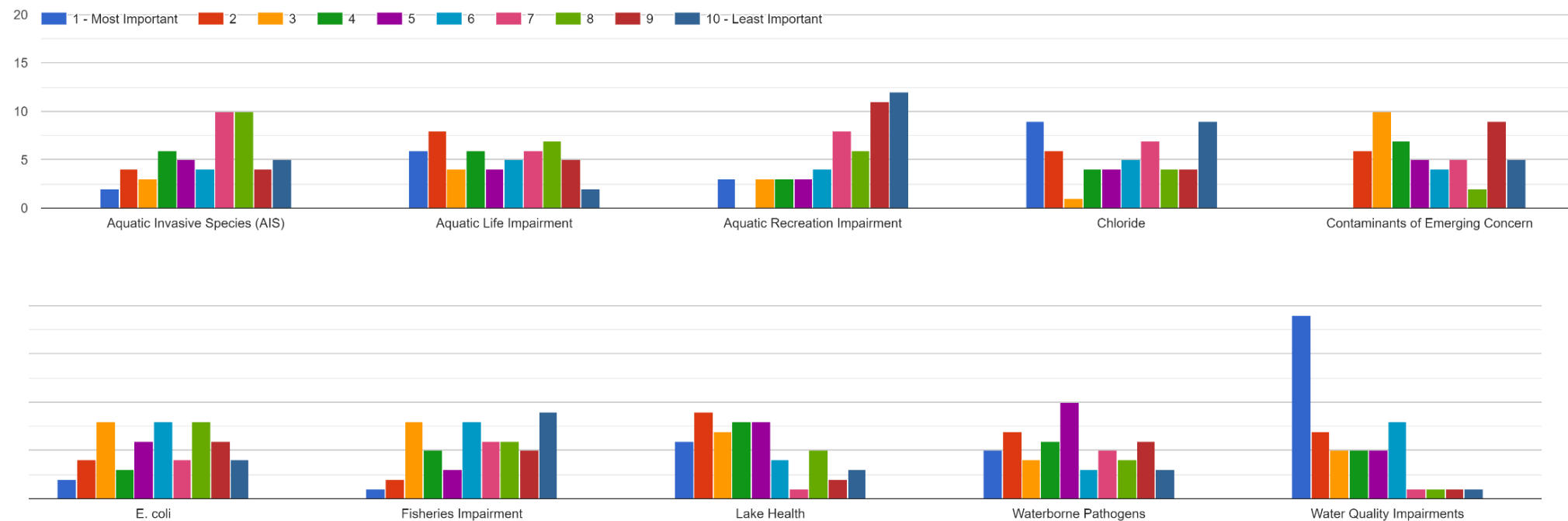
# Prioritization Survey – Google Charts

Public Drainage



# Prioritization Survey – Google Charts

Water Quality

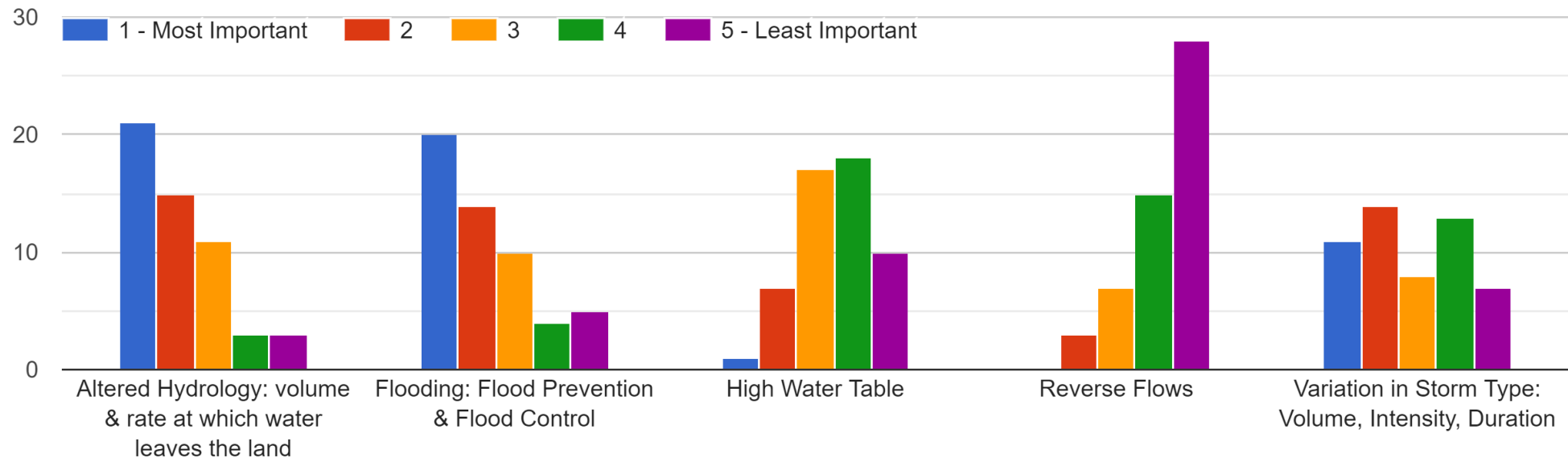


(This one is split in half so that it can be read more easily)



# Prioritization Survey – Google Charts

## Water Quantity



# Prioritization Survey - Comments

- After each ranking, the following question was asked: "*Please use this question to list any issues or concerns not included in the previous question that you feel should be added to this particular list. Please include where you would rank the issue if it were listed with the other items in the previous question.*"
- The following slides are comments received after each ranking.



# Prioritization Survey – Comments (General)

- “A tricky one to answer, as those six are all high priority items. I would add soil health to the list” – TAC member
- “Sustainable landscaping:: near the top” – TAC member
- “Why 2 water qualities?” – a Resident and Builder/Developer/Engineer
- “Erosion, but that probably falls under water quality” – a Resident
- “The old unused cars allowed to sit on lawns and possibly leak gas and oil onto the ground and then into our ground water needs to be addressed. City of Ham Lake does nothing about it.” – a Resident
- “My main concern with wildlife is native fish and fish passage. Also, storm water storage to protect channel morphology and fish habitat.” – a Resident



# Prioritization Survey – Comments (General)

- “While not listed above, I would include water education and community outreach and rank them both number one as they connect to the rest of the items list.” – Other (“City of Fridley commissioner + part time educator...”)
- “Protecting our well water from overdevelopment and industrialization – 1” – a Resident
- “Watersport recreation first” – a Resident
- “STOP BUILDING ON THE WETLANDS AND EVERY SINGLE DAMN SQUARE INCH THAT ISN'T OCCUPIED! THERE IS TREMENDOUS VALUE IN EMPTY SPACE. BOTH FOR NATURE TO DO ITS THING, AND FOR VISUAL BEAUTY. WE DON'T WANT EVERY SPACE TO BE FILLED WITH BUILDINGS AND PARKING LOTS” – a Resident
- “If more people adopted drains to clear them, that would help!” – a Resident



# Prioritization Survey – Comments (Geologic Hazards & Sensitive Lands)

- “I am not familiar with the extent that steep slopes and land slides are an issue for CCWD, therefore my answers are skewed.” – TAC member
- “Stream channel morphology is degrading and overwhelming rocky stream habitat.” – a Resident





# Prioritization Survey – Comments (Ground Water)

- “To be honest, it was hard to choose the most and least important from the list above. They are all important!” – TAC member
- “We need to infiltrate more water.” – a Resident



# Prioritization Survey – Comments (Public Drainage)

- “Ditch abandonment, particularly private ditch systems installed to convert land to agricultural production but are converting to residential and commercial uses that don't need the drainage. Abandon the ditch at the time of development to reduce pressure on the rest of the drainage system. Would have been ranked number one.” – TAC member
- “Aquatic habitat (1)” – Other (“work in District”)
- Need more public awareness and participation in adopt-a-drain. – a Resident



# Prioritization Survey – Comments (Water Quality)

- “I only listed E. coli as low as I did because waterborne pathogens seemed to encompass that as well and it seemed redundant to list both high(I know there are persistent E. coli issues in the district).” – TAC member
- “Ecoli is obviously the main threat to human health. We can worry about emerging concerns AFTER we resolve the current ones. Also, str” – a Resident
- “Not sure I would put Chloride in it's own category. Chloride can be categorized under a number of these other categories. ie) water quality impairments, lake health, etc.” – a Resident



# Prioritization Survey – Comments (Water Quantity)

- “Pond buffer maintenance guidelines: help cities, owners & HOAs with clear cut guidance to maintain desirable vegetation at pond edges.” – a Resident
- “Altered hydrology is a threat to everything in a stream and everything downstream. ” – a Resident

