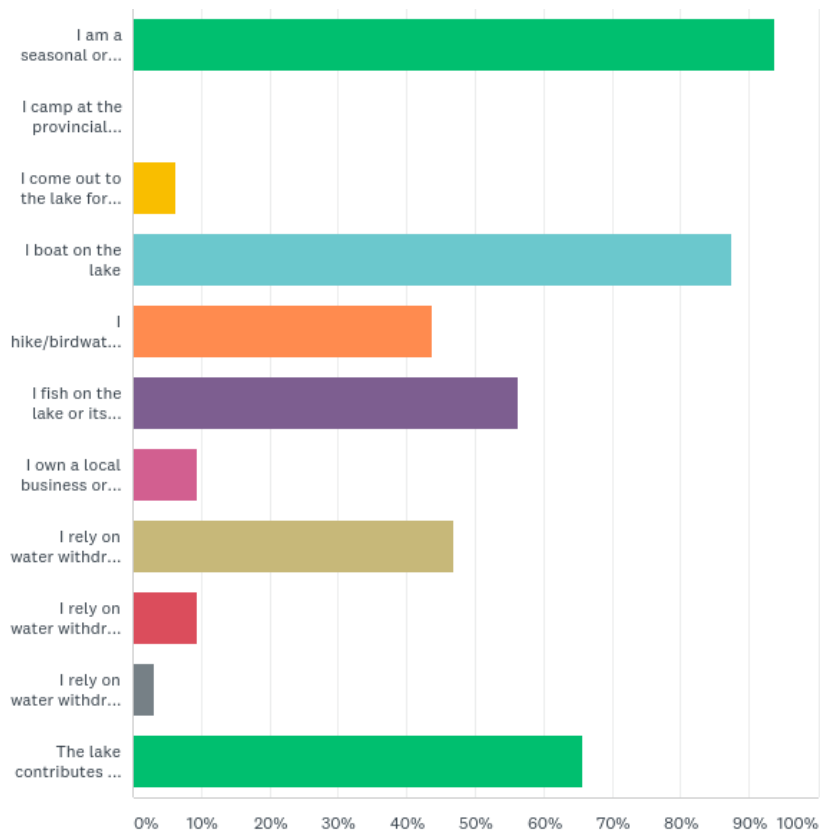


# Moberly Lake User Survey

Friday, September 08, 2017

# Q1: How do you use Moberly Lake? (check all that apply)



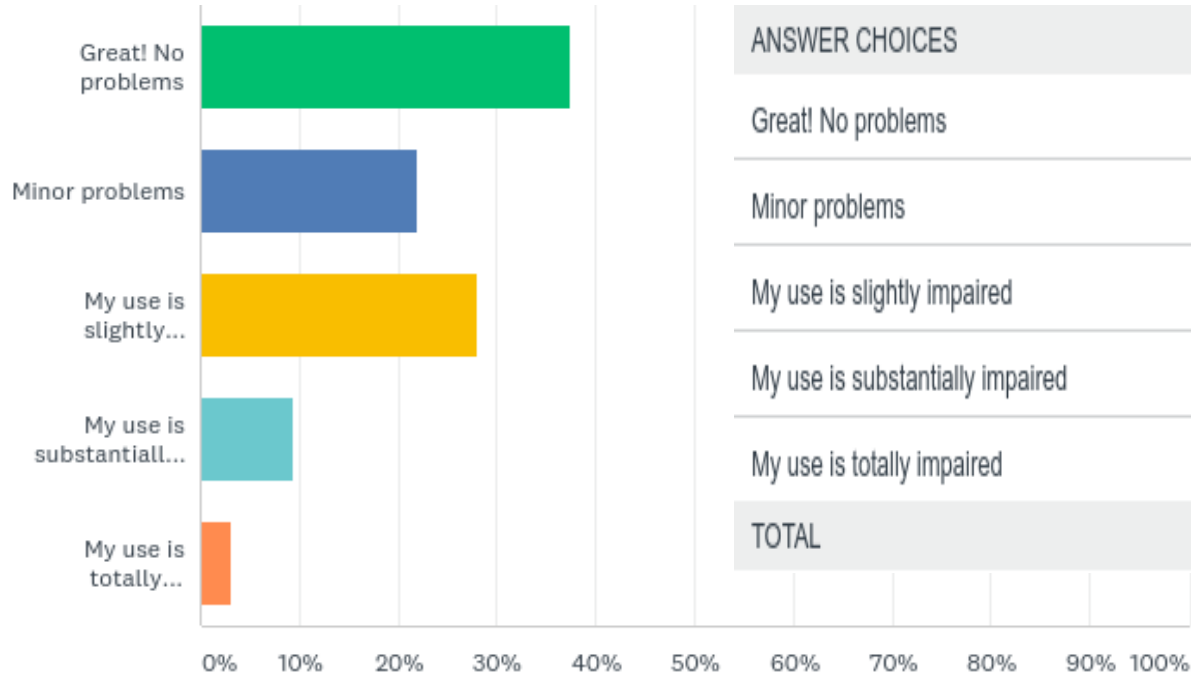
ANSWER CHOICES	RESPONSES
I am a seasonal or permanent resident	93.75% 30
I camp at the provincial campground	0.00% 0
I come out to the lake for day visits	6.25% 2
I boat on the lake	87.50% 28
I hike/birdwatch around the lake	43.75% 14
I fish on the lake or its rivers	56.25% 18
I own a local business or work in the area	9.38% 3
I rely on water withdrawn from the lake for my household use	46.88% 15
I rely on water withdrawn from the lake as my source (raw) drinking water (before treatment)	9.38% 3
I rely on water withdrawn from the lake for my industry	3.13% 1
The lake contributes to my social, cultural or spiritual well-being	65.63% 21
Total Respondents: 32	

## Q1. Other?

---

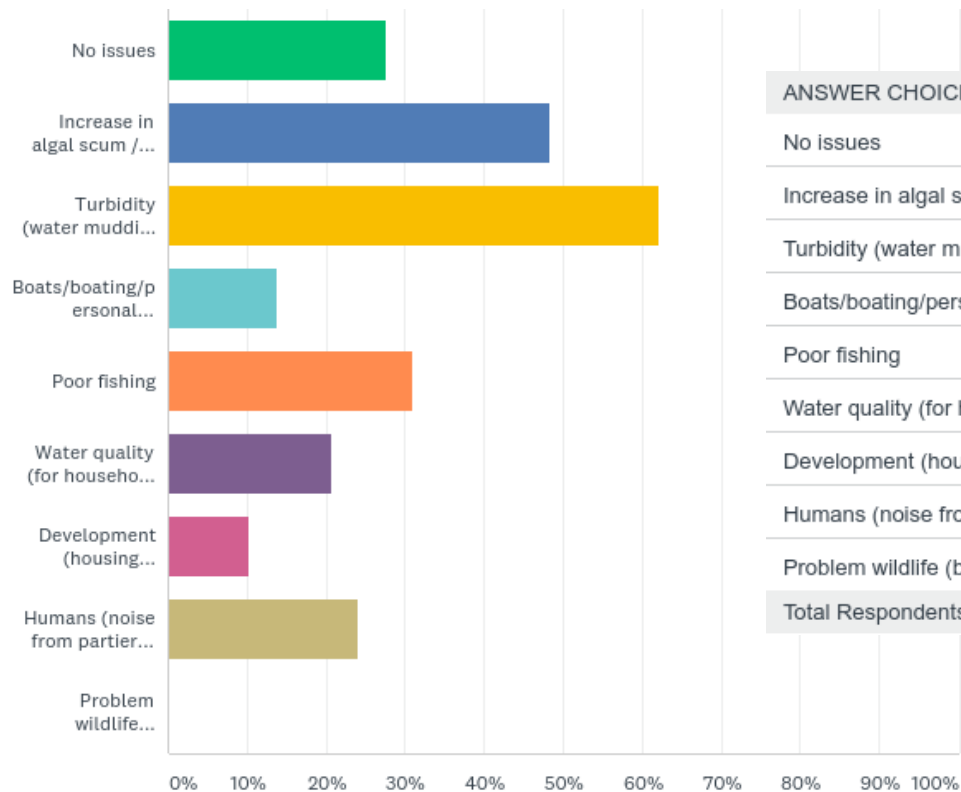
#	OTHER (PLEASE SPECIFY)
1	I only use non-motorized boats on the lake.
2	I swim in the lake
3	We use collected and stored rainwater for all our water needs. Metal roofs + two 3000 gallon cisterns.
4	Irrigation for lawn
5	Cross country ski in winter.

## Q2: How does the general quality of the lake affect your use?



ANSWER CHOICES	RESPONSES
Great! No problems	37.50% 12
Minor problems	21.88% 7
My use is slightly...	28.13% 9
My use is substantially impaired	9.38% 3
My use is totally impaired	3.13% 1
TOTAL	32

### Q3: If you indicated above that your use of the lake is impaired, what issues are causing this impairment? (check all that apply)



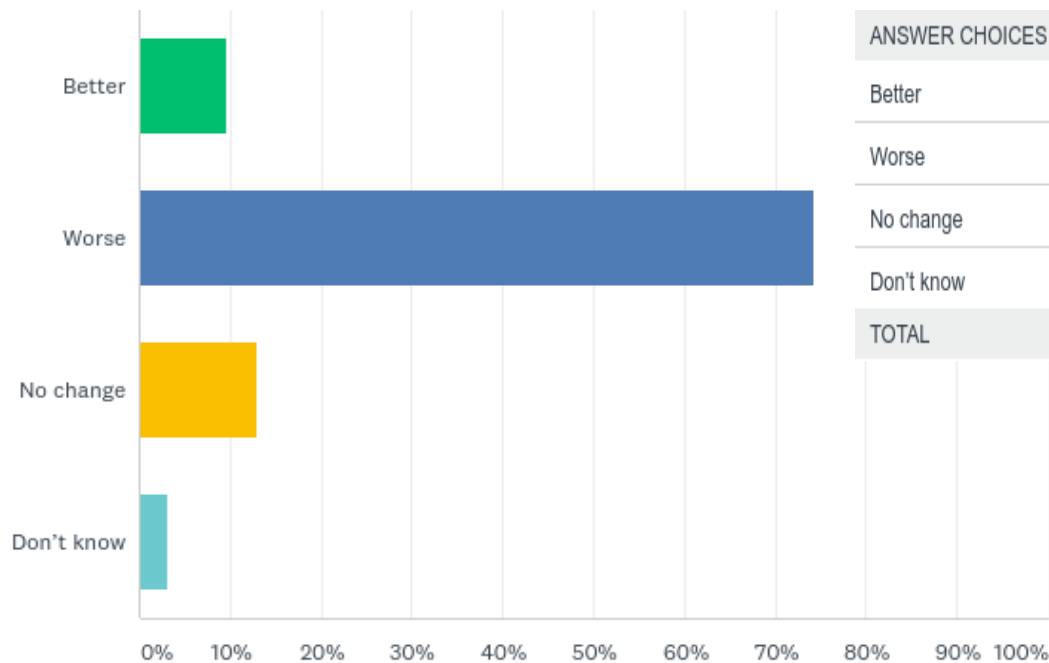
ANSWER CHOICES	RESPONSES	
No issues	27.59%	8
Increase in algal scum / aquatic plants	48.28%	14
Turbidity (water muddied from sediments and erosion)	62.07%	18
Boats/boating/personal watercraft (congestion, noise, safety)	13.79%	4
Poor fishing	31.03%	9
Water quality (for household, livestock or other use)	20.69%	6
Development (housing density, infilling)	10.34%	3
Humans (noise from parties, trash and litter, etc.)	24.14%	7
Problem wildlife (bears, cougars, etc.)	0.00%	0
Total Respondents: 29		

### Q3. Other?

---

- Stray dogs and off leash dogs
- Garbage disposal (waste station not open when campers are leaving Sunday night) / garbage left at the cairn and elsewhere
- Motorized boats driving too close to shore/up the river (swimmers, sensitive wildlife, etc.)
- Cabin and other development along banks /shores with 'landscaped' beaches (may affect fish habitat) / impact on erosion, sedimentation, and neighbors
- Poor water quality / increased turbidity / affect on fish
- Overfishing
- Effect of obstructions on the Moberly River

## Q4: Overall, do you think the general quality of the lake has changed in the last 5 years?



ANSWER CHOICES	RESPONSES
Better	9.68% 3
Worse	74.19% 23
No change	12.90% 4
Don't know	3.23% 1
TOTAL	31

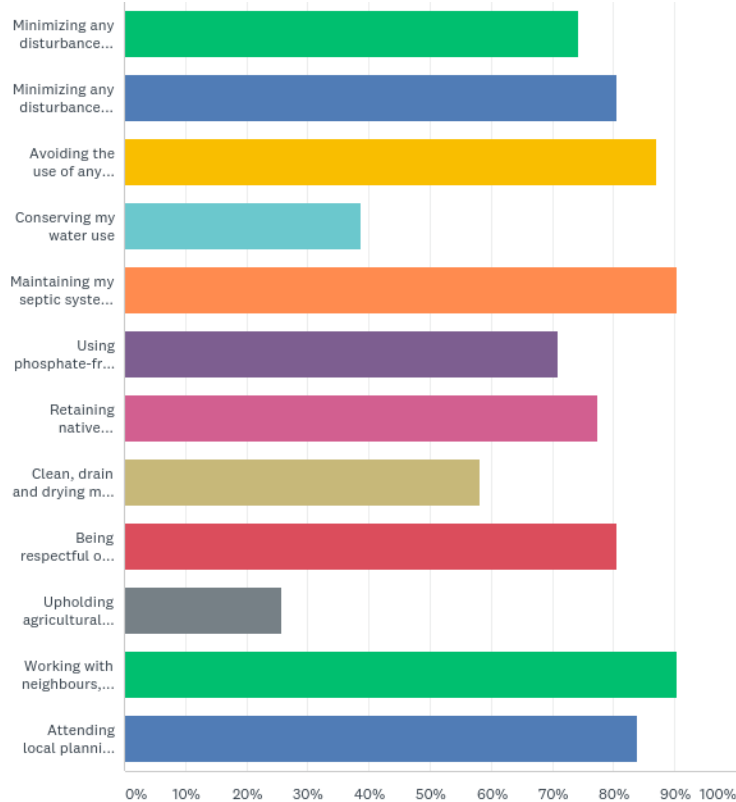
## Q4. Comments

---

1	Increased sediment significantly reduces water quality.
2	Much worse.
3	The water clarity has changed significantly following the flood five years ago.
4	midly
5	I think anytime you have intensified concentration of human inhabitation you will have problems occuring.
6	High levels of increased sediment, algae, and weeds.
7	Somewhat worse
8	Seems like there are more weeds along shore
9	Floods of 2011 & 16 increased erosion rates an dale sedimentation.
10	Flooding causing poor water conditions
11	very dirty after the flood



# Q5: What are you willing to do to maintain or improve the quality of Moberly Lake? (Check all that apply to you)



ANSWER CHOICES	RESPONSES
Minimizing any disturbance from my activities to the shoreline	74.19% 23
Minimizing any disturbance that could increase erosion and add sediment to the lake	80.65% 25
Avoiding the use of any fertilizers or pesticides near any water sources	87.10% 27
Conserving my water use	38.71% 12
Maintaining my septic system in good working order	90.32% 28
Using phosphate-free soaps and detergents and avoiding putting toxic chemicals down the drain	70.97% 22
Retaining native vegetation and not introducing non-native nor invasive species	77.42% 24
Clean, drain and drying my boat or personal watercraft before moving between lakes to avoid transporting invasive species	58.06% 18
Being respectful of wildlife when recreating around or on the lake	80.65% 25
Upholding agricultural and industry best / beneficial management practices, operating standards, regulations, legislation, etc.	25.81% 8
Working with neighbours, community associations, etc	90.32% 28
Attending local planning and other stakeholder consultation meetings	83.87% 26
Total Respondents: 31	

## Q6. What do you think the MLCA should do to maintain or improve the quality of Moberly Lake?

Answered: 27 Skipped: 5

---

- Communicate with all property owners (e.g. Tax notices) about the issues
- Provide education and information (e.g. literature or programs) to build awareness of stakeholders/property owners /recreational users on the benefits of maintaining a healthy lake / proper use of the lake (e.g. Remove your garbage, clean drain dry your boat, etc.)
- Work to improve the watershed / keep having meetings to identify risks (e.g. flood)/address the issues /define needs and actions / advocate to policy makers / monitor water quality / keep having surveys / look at what other lake communities are doing
- Keep industry accountable/reduce or restore roads / understand cumulative impacts
- Keep province and PRRD aware of local issues / lobby the PRRD for a community sewer / work with Chetwynd council and First Nations / use best practices when planning development / build greater awareness of lake development guidelines (include realtors, developers) / enforce bylaws
- Restore the riparian zone / manage algal and excessive plant growth / improve Spencer Tuck

## Q7. What do you think the PRRD should do to maintain or improve the quality of Moberly Lake? Answered: 28 Skipped: 4

---

- Communicate (put info in tax assessments) to and enable residents / users to implement good stewardship (e.g. Invasive species)
- Provide info on appropriate landscaping, wildlife management, etc.
- Support the local community groups and work together on zoning and bylaws, development limits, planning, waste management (e.g. garbage cans at the cairns), education, flood risk/causes, etc.
- Ensure septic systems are up to date /build a community system
- Provide funds for water quality monitoring
- Work with the province on issues such as road erosion and drainage issues/ culvert issues / monitoring ,etc
- Enforce bylaws , encourage guidelines, best practices, etc
- Improve Spencer Tuck

## Q8. What do you think the Province should do to maintain or improve the quality of Moberly Lake?

Answered: 24 Skipped: 8

---

- Have clear polices and enforce regulations to protect the watershed and its wildlife
- Understand and manage cumulative effects of industry (e.g. regulate the upstream industry, reduce summer/winter logging, increase buffer zone width)
- Assist with lake monitoring (wq, fish health) / release more lake trout / prevent invasive species/more conservation officers to enforce fishing restrictions
- Work with the PRRD to maintain riparian areas, proper ditching of roads above the lake to decrease sedimentation / manage riparian areas

## Q9. What do you think industry should do to maintain or improve the quality of Moberly Lake?

Answered: 23 Skipped: 9

---

- come to the table as a stakeholder / understand their cumulative impact
- use best practices and minimize upstream erosion / improve water and sediment control / deactivate unused roads / larger buffers /reclaim eroded areas / repair hung culverts
- improve dust controls
- manage water withdrawals appropriately

## Q10. Is there anything else you would like the MLCA to know about how you use and enjoy Moberly Lake?

Answered: 12 Skipped: 20

---

- need to identify hazardous areas of the lake for boat users / put info at all boat launches
- feel fortunate to live here, very much enjoy the lake / enjoy all the recreational activities the lake has to offer / great place to gather with family and friends and create memories /beautiful lake
- must do everything we can to protect it
- feel we have a responsibility to do what we can to protect the quality of the watershed, advocate for wildlife and respectful use by humans
- good start! Keep up the good work