

North Arm has 400 Residences with ~150 drawing drinking water from the lake

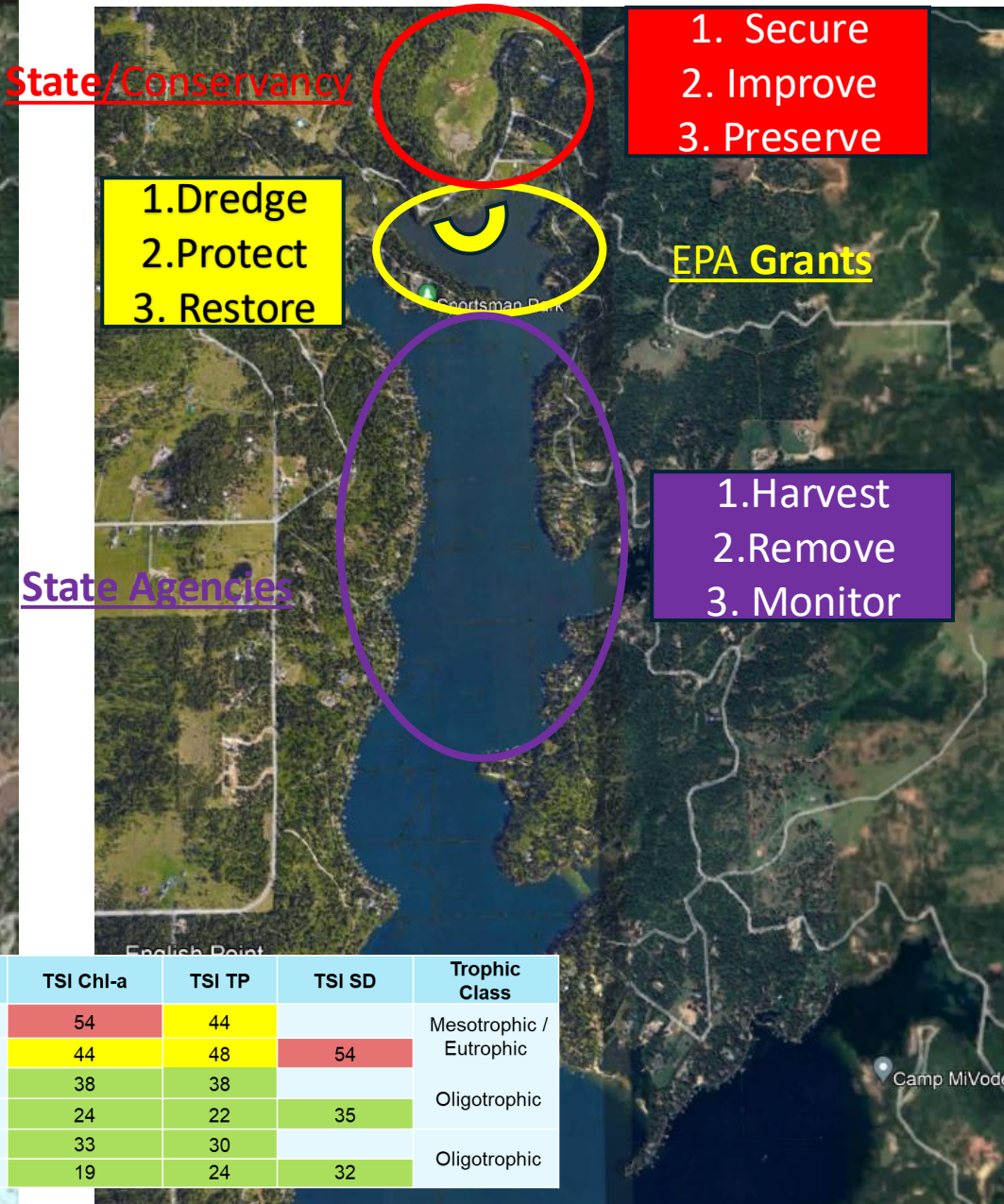
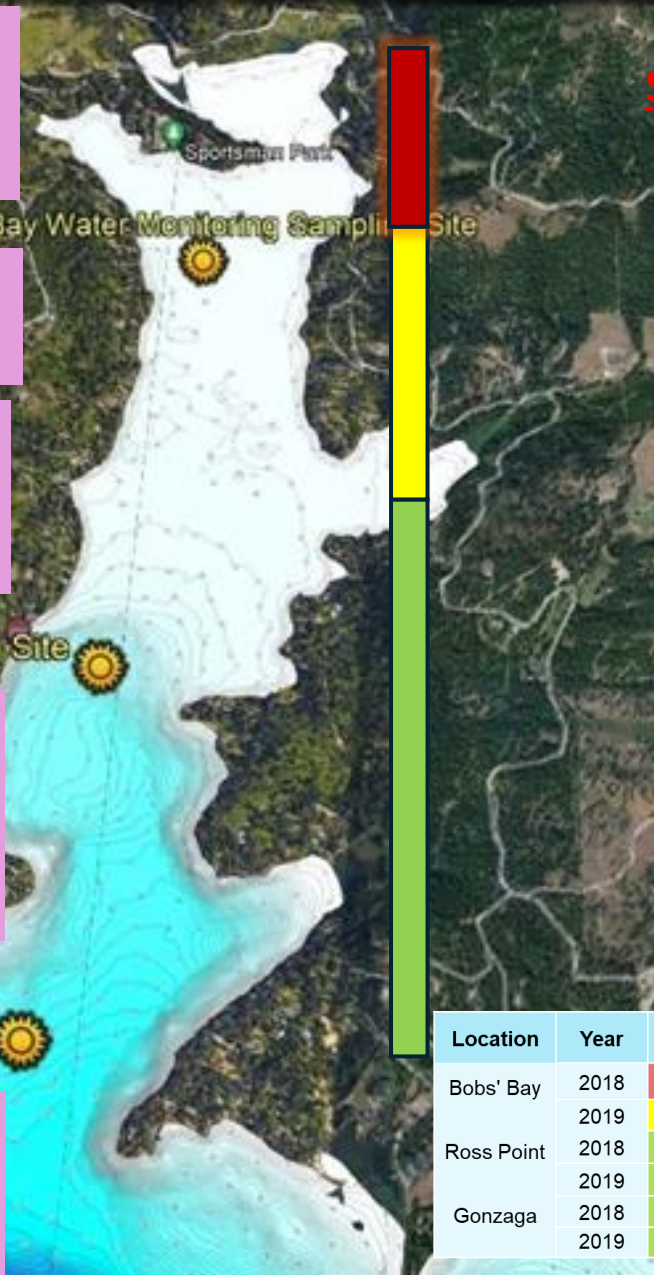
Hayden creek peak flow 160cfs, 1200kg of P, ~230 tons sediment/yr

Monitoring in 2018/2019 indicate that the North Arm is area of concern for eutrophication.

HAB occur every 2+ yrs on North Arm and jeopardize our designated beneficial uses & are risk to drinking water, humans and wildlife

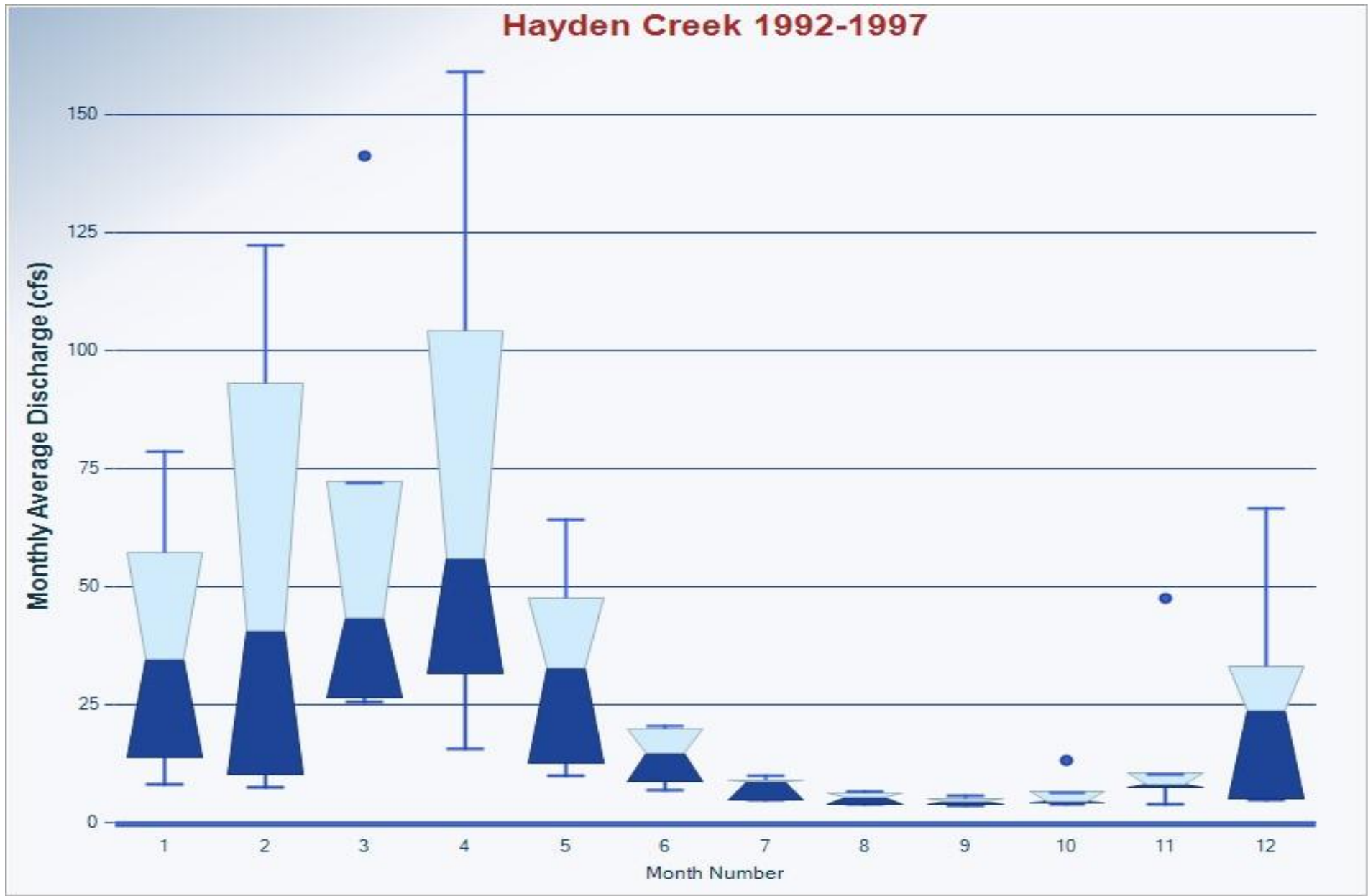
Three primary drivers to HAB

- 1. Hayden Creek Nutrients
- 2. Sediment Nutrients
- 3. Macrophyte Nutrients



Location	Year	TSI Chl-a	TSI TP	TSI SD	Trophic Class
Bobs' Bay	2018	54	44		Mesotrophic / Eutrophic
	2019	44	48	54	
Ross Point	2018	38	38		Oligotrophic
	2019	24	22	35	
Gonzaga	2018	33	30		Oligotrophic
	2019	19	24	32	

Restore Hayden Lake North Arm Beneficial Uses



USGS Data