

HAB At-A-Glance

Report prepared: 9/14/2015

Water Body: **Hayden Lake**

Health Advisory: ☒yes ☐no, 7/9

Sample analysis costs: \$6,000

DEQ region: **Coeur d'Alene**

Press Release: ☒yes ☐no, 7/9

No. field investigations: 9

Start date: 7/5/2015

No. days: 89

Posted: ☒yes ☐no, 7/9

End date: 10/7/2015

~ DEQ staff field hours: 150

~ DEQ staff office hours: 150

Previous Blooms: ☒yes ☐no, 7/07, 8/12, 7/13, 7/14

Complaint Initiated: ☒yes ☐no

Continued recreation: ☒yes ☐no

Cyanobacteria species present (#/mL)

Sp.	Maximum	Minimum
Anabaena	7,440,000	3,000
Microcystis	18,558	0
Aphanizomenon	140,117	0
Woronichinia	81,000	0
Gloetrichia	10,350	0

Sample Results:

Date	Type	Anabaena (#/mL)	Microcystis (#/mL)	Aphanizomenon (#/mL)	Woronichinia (#/mL)	Gloetrichia (#/mL)	Microcystin (ppb)
7/8	Scum	576,000					
7/14	Open	3,000					
7/14	Scum	7,440,000					0.513†
7/14	Open	11,400					<0.15
7/23	Open	483,451		140,117			
7/23	Open	41,756					
7/23	Open	203,216	18,558				
8/5	Open	14,750	1,000				<0.15
8/17	Open	7,188					
8/17	Scum	24,150	11,500				
8/25	Open	8,100	2,200				<0.15
8/25	Scum	2,227,500			81,000	32,400	1.08
8/25	Scum	204,930	11,150		10,350		0.36
8/25	Open	9,484					0.23
9/4‡	Scum	3,240	32,400				<0.6
9/4‡	Open	287	4,600				<0.6
9/4‡	Open	9,890	3,450				



Wind stacking at Sportsman's Access fishing dock, 7/14/2015



Extent of bloom and transition at Henry's Point, 8/5/2015



Surface Scum in Bob's Bay 8/25/2015



Notes: There are many private domestic water intakes on Hayden Lake. The bloom is isolated to the northern arm of Hayden Lake (Usually north of Henry Point) which complicates response, and requires tracking of the transition between HAB water and clean water. We received a record number of inquiries with this bloom. Posting ineffective, notices are missing or dilapidated. Public awareness due to press release and/or word of mouth.

More data available than displayed

† Anatoxin-a was also evaluated on 7/14 scum sample and was found to be below detection limit. ‡ Significant non-blue-green bloom of the flagellate *Trachlemonas* sp. occurring (taste, odor).