

19 Cedar Washington Co. SED

22 Apr 1986

Stochi = 3.0M

50ml

REL

(x140, x560)

Abundant (5):

*Fragilaria crotonensis*  $3\mu \times 3\mu \times 78\mu$

Very common (4):

*Cyclotella bodanica*  $26\mu d. \times 14\mu$  deep.

*Synedra ulna*  $5\mu \times 9\mu \times 236\mu$  long

Common (3):

*Chroomonas acuta*  $5\mu \times 9\mu$ .

*Crucigerina quadrata* @ cell approx  $3\mu$  d.

Occasional (2):

*Synedra cf. nana*  $1\mu \times 2\mu \times 60\mu$  long

*Cyclotella cf. glomerata*  $8\mu d. \times 3\mu$  deep.

Zooplankton Data - Big Cedar Lake - Washington Co. 1986

Key = Abundant 5                      Occasional 2  
 Very Common 4                      Present 1  
 Common 3                              Absent 0

Lake Name	Big Cedar Lake	Big Cedar Lake	Big Cedar Lake	Big Cedar Lake
County Name	Washington Co.	Washington Co.	Washington Co.	Washington Co.
Water Body #				
STORET #				
Latitude				
Longitude				
Collector				
Collection Date	22-Apr-86	25-Jun-86	30-Jul-86	13-Aug-86
Year	86	86	86	86
Month	4	6	7	8
Day	22	25	30	13
Identification By	Woolsey, Edward A. Woolsey, Edward A. Woolsey, Edward A. Woolsey, Edward A.			
Date of Identification				
Tow Length Meters	13.5	13.5	13.5	13.5
Liter/(MG/L) Subsample	1.42	1.42	1.42	1.42
Size-Daphnia-Number	29	30	30	30
Size-Daphnia-Mean mm	1.6	1.73	1.88	1.8
Size-Daphnia-Standard deviation	0.37	0.25	0.37	0.4
Size-Copepods-Number	29	30	30	32
Size-Copepods-Mean	1.16	0.93	1.14	1.14
Size-Copepods-Standard deviation	0.29	0.21	0.28	0.27
Size-All Zooplankton-Number	30	30	31	31
Size-All Zooplankton-Mean	1.29	1.1	1.21	1.23
Size-All Zooplankton-SD	0.36	0.34	0.42	0.3
Acanthocyclops vernalis	0	3	0	0
Bosmina longirostris	4	4	3	3
Chydorus sphaericus	3	0	2	0
Daphnia galeata mendotae	3	4	4	3
Daphnia pulex	3	2	2	2
Daphnia retrocurva	3	2	3	3
Diacyclops thomasi	5	4	4	5
Diaphanosoma leuchtenbergianum	3	0	3	4
Leptodora kindtii	0	0	2	0
Mesocyclops edax	3	3	3	3
Skistodiptomus oregonensis	4	3	3	4
Tropocyclops prasinus	0	2	2	0

Zooplankton Data - Big Cedar Lake - Washington Co., 1986

Key = Abundant 5 Occasional 2  
 Very Common 4 Present 1  
 Common 3 Absent 0

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Lake Name	Big Cedar Lake	Big Cedar Lake	Big Cedar Lake	Big Cedar Lake
County Name	Washington Co.	Washington Co.	Washington Co.	Washington Co.
Water Body #				
STORET #				
Latitude				
Longitude				
Collector				
Collection Date	22-Apr-86	25-Jun-86	30-Jul-86	13-Aug-86
Year	86	86	86	86
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Identification By	Woolsey, Edward A. Woolsey, Edward A. Woolsey, Edward A. Woolsey, Edward A.			
Date of Identification				
Tow Length Meters	13.5	13.5	13.5	13.5
Liter/(MG/L) Subsample	1.42	1.42	1.42	1.42
Size-Daphnia-Number	29	30	30	30
Size-Daphnia-Mean mm	1.6	1.73	1.88	1.8
Size-Daphnia-Standard deviation	0.37	0.25	0.37	0.4
Size-Copepods-Number	29	30	30	32
Size-Copepods-Mean	1.16	0.93	1.14	1.14
Size-Copepods-Standard deviation	0.29	0.21	0.28	0.27
Size-All Zooplankton-Number	30	30	31	31
Size-All Zooplankton-Mean	1.29	1.1	1.21	1.23
Size-All Zooplankton-SD	0.36	0.34	0.42	0.3
Acanthocyclops vernalis	0	3	0	0
Bosmina longirostris	4	4	3	3
Chydorus sphaericus	3	0	2	0
Daphnia galeata mendotae	3	4	4	3
Daphnia pulex	3	2	2	2
Daphnia retrocurva	3	2	3	3
Diacyclops thomasi	5	4	4	5
Diaphanosoma leuchtenbergianum	3	0	3	4
Leptodora kindtii	0	0	2	0
Mesocyclops edax	3	3	3	3
Skistodiaptomus oregonensis	4	3	3	4
Tropocyclops prasinus	0	2	2	0

Lake: Big Cedar Lake  
County: Washington  
Date: June 1986

**Cyanobacteria**

2 Anabaena circinalis  
1 Chroococcus limneticus  
2 Chroococcus sp.  
2 Chroococcus turgidus  
1 Oocystis sp.

**Diatoms**

3 Cyclotella cf. comta  
1 Fragilaria crotonensis

**Dinoflagellates**

3 Ceratium hirundinella  
1 Peridinium cf. aciculiferum  
1 Peridinium volzi

**Cryptomonads**

1 Chroomonas minuta  
1 Chroomonas reflexa  
2 Cryptomonas ovata

**Green algae**

1 Ankistrodesmus falcatus  
1 Botryococcus braunii  
1 Crucigenia rectangularis  
2 Quadrigula chodatii

**Chrysophytes**

2 Dinobryon divergens

**Euglenoids**

**Ratio: Eukaryotic Algae / Cyanobacteria**

by biomass - 80 / 20  
by cell density - 75 / 25

**"Unit" Size Distribution (as percent)**

1-10um: 20  
11-20um: 20  
21-30um: 15  
31-40um:  
41-50um:  
51-60um: 10  
61-70um:  
71-80um: 10  
>80um: 25



Lake: Big Cedar Lake  
County: Washington  
Date: July 1986

**Cyanobacteria**

2 *Anabaena circinalis*  
3 *Chroococcus* cf. *dispersus*  
2 *Microcystis* sp.  
1 *Oocystis* sp.

**Diatoms**

3 *Cyclotella* cf. *comta*

**Dinoflagellates**

2 *Ceratium hirundinella*  
1 *Peridinium* cf. *aciculiferum*

**Cryptomonads**

1 *Chroomonas minuta*

**Green algae**

1 *Quadrigula chodatii*

**Chrysophytes**

1 *Dinobryon divergens*

**Euglenoids**

**Ratio: Eukaryotic Algae / Cyanobacteria**

by biomass - 70 / 30  
by cell density - 30 / 70

**"Unit" Size Distribution (as percent)**

1-10um: 10  
11-20um: 10  
21-30um: 20  
31-40um: 5  
41-50um: 5  
51-60um: 5  
61-70um: 5  
71-80um: 5  
>80um: 35

NOTE: Very low abundance, no flagellate preservation.  
Preservation of sample questionable.

Lake: Big Cedar Lake  
County: Washington  
Date: August 1986

**Cyanobacteria**

2 Anabaena variabilis  
1 Chroococcus sp.  
1 Merismopedia sp.  
2 Microcystis sp.  
2 Oocystis sp.

**Diatoms**

3 Cyclotella comta

**Dinoflagellates**

2 Ceratium hirundinella

**Cryptomonads**

2 Cryptomonas cf. ovata

**Green algae**

2 Coccoid green  
2 Dictyosphaerium sp.  
3 Quadrigula chodatii

**Chrysophytes**

Dinobryon divergens

**Euglenoids**

**Ratio: Eukaryotic Algae / Cyanobacteria**

by biomass - 65 / 35  
by cell density - 40 / 60

**"Unit" Size Distribution (as percent)**

1-10um: 25  
11-20um: 20  
21-30um: 20  
31-40um: 20  
41-50um:  
51-60um:  
61-70um:  
71-80um:  
>80um: 15

NOTE: Very low abundance, almost no flagellates.  
Sample preservation questionable.

**DNR BASELINE MONITORING**

Lake Name Big Cedar Date 8/31/09 Time 12:37 PM

Sample Location (e.g. deepest point in basin) Deep Spot @ 102 ft

WBIC \_\_\_\_\_ % Cloud Cover 30% Sunny

Observers Bunk Lambert Wind Speed calm mph from \_\_\_\_\_ Direction \_\_\_\_\_

**Field Measurements and Observations**

Secchi Disk 2.8 m (m or ft) Custer Color Strip Reading A1, A2

Algae Development - Not apparent \_\_\_\_\_ Site Depth 102 (m or ft)  
 Slight (just visible) \_\_\_\_\_  
 Moderate (quite noticeable)  \_\_\_\_\_ pH at 1 meter 8.72  
 Heavy (very green) \_\_\_\_\_

**Profiles**

Depth ft or m	DO mg/L	Temp oC	Cond µS	pH	Depth ft or m	DO mg/L	Temp oC	Cond µS	pH	Depth ft or m	DO mg/L	Temp oC	Cond µS	pH	DO Sat
3	8.70	20.98	514	8.72	39	1.27	11.89	546	6.68	75	3.26	6.35	539	6.31	25.7
6	8.97	20.56	513	8.71	42	1.83	10.67	544	6.48	78	2.07	6.25	540	6.37	16.6
9	9.02	20.39	513	8.71	45	2.71	9.49	541	6.36	81	1.56	6.21	541	6.41	12.2
12	9.08	20.30	512	8.72	48	3.20	8.68	540	6.29	84	0.78	6.12	543	6.45	5.8
15	8.45	20.27	513	8.76	51	4.19	8.03	539	6.25	87	0.34	6.00	545	6.47	2.3
18	8.86	20.25	513	8.77	54	4.57	7.62	538	6.23	90	0.19	5.91	547	6.53	1.4
21	8.41	20.22	513	8.77	57	4.52	7.19	538	6.17	93	0.11	5.80	555	6.59	0.7
24	8.51	20.20	513	8.78	60	4.28	6.96	538	6.15	96	0.09	5.76	559	6.51	0.4
27	8.27	20.18	513	8.81	63	4.12	6.77	538	6.16	99	0.01	5.78	611	6.54	0.2
30	8.63	19.93	512	8.79	66	3.79	6.61	538	6.18						
33	1.83	15.12	551	7.28	69	3.53	6.54	538	6.26						
36	1.03	13.38	548	6.96	72	3.63	6.42	538	6.31						

70. Sat  
95.9  
98.4  
98.7  
99.3  
99.8  
100.2  
92.3  
93.5  
90.0  
93.9  
17.6  
9.4

70. Sat  
25.7  
16.6  
12.2  
5.8  
2.3  
1.4  
0.7  
0.4  
0.2

Meter Type and ID Number(s) Hydrolab Surveyor 4a

**Water Samples**

Depth of Integrated Water Sample 0-6 m or ft SLH Field Number BCFD1

Amount filtered for chlorophyll \_\_\_\_\_ mLs

**Comments / Observations**

39 11.7	54 38.2	69 <del>35.3</del> 28.4
42 16.3	57 37.3	72 28.9
45 23.4	60 34.8	71 sat
48 27.3	63 33.2	
51 35.1	66 30.5	
51 35.1		

**DNR BASELINE MONITORING**

Lake Name Big Cedar Date 8/11/08 Time 10:22 AM

Sample Location (e.g. deepest point in basin) Deep Hole @ 102 ft

WBIC \_\_\_\_\_ % Cloud Cover 30% Mostly Sunny

Observers Anna Schilz Wind Speed 5 mph from NE Direction  
Heidi Bunk

**Field Measurements and Observations**

Secchi Disk 17.15 (m or ft) 1.75, 2.1 Custer Color Strip Reading A1

Algae Development - Not apparent \_\_\_\_\_ Site Depth 102 (m or ft)  
Slight (just visible) \_\_\_\_\_  
Moderate (quite noticeable) \_\_\_\_\_ pH at 1 meter 8.76  
Heavy (very green) X

**Profiles**

Depth ft or m	DO mg/L	Temp oC	Cond µS	pH	Depth ft or m	DO mg/L	Temp oC	Cond µS	pH	Depth ft or m	DO mg/L	Temp oC	Cond µS	pH	10 ft Sat	
141.2	3	11.71	24.03	510	8.76	39	4.46	9.81	541	7.75	75	7.85	560	533	7.70	64.2
138.6	6	11.50	23.91	510	8.74	42	5.27	9.01	541	7.74	78	7.65	554	535	7.69	61.8
135.3	9	11.28	23.88	510	8.74	45	5.93	8.31	540	7.75	81	6.62	550	537	7.63	54.5
131.4	12	11.06	23.86	510	8.73	48	6.71	7.70	539	7.75	84	3.52	544	541	7.57	29.3
142	15	11.72	23.84	510	8.73	51	8.02	7.26	537	7.74	87	2.37	534	542	7.56	19.8
134.5	18	11.27	23.82	511	8.72	54	7.76	6.88	537	7.74	90	0.60	532	546	7.53	4.0
129.6	21	10.65	23.66	517	8.57	57	7.83	6.55	535	7.75	93	0.65	528	548	7.52	4.4
125.7	24	2.16	21.46	538	7.96	60	8.20	6.25	534	7.75	96	0.33	515	554	7.50	2.9
116.4	27	1.58	17.38	547	7.82	63	8.35	6.00	533	7.74	99	0.12	510	587	7.47	1.6
116.4	30	1.72	15.59	548	7.81	66	8.36	5.85	534	7.73	102					
25.6	33	2.85	12.72	551	7.78	69	8.35	5.77	534	7.73						
32.9	36	3.65	11.00	544	7.76	72	8.59	5.69	535	7.71						

Meter Type and ID Number(s) HydroLab Surveyor

**Water Samples**

Depth of Integrated Water Sample 0-6 m or ft SLH Field Number BCED1

Amount filtered for chlorophyll \_\_\_\_\_ mLs

D.O. SATURATION		Comments / Observations	
39	38.1	51	68.1
42	44.9	54	64.3
45	49.7	57	64.8
48	55.9	60	66.8
63	67.6	63	67.6
66	67.4	66	67.4
69	67.5	69	67.5
72	69.0	72	69.0

Elevation 310.9  
N 43.37576°  
W 088.26432°

**DNR BASELINE MONITORING**

Lake Name Big Cedar Date 8/30/07 Time 10:28 AM  
 Sample Location (e.g. deepest point in basin) Deep Spot @ 98 ft  
 WBIC \_\_\_\_\_ % Cloud Cover 0% Clear / Sunny!  
 Observers McManama Wind Speed 5-10 mph from N/NW Direction  
Burk

**Field Measurements and Observations**

Secchi Disk 2.7 7.95 (m or ft) Custer Color Strip Reading A1 A2 (needs more yellow)  
 Algae Development - Not apparent \_\_\_\_\_ Site Depth 98 (m or ft)  
 Slight (just visible) \_\_\_\_\_  
 Moderate (quite noticeable) X  
 Heavy (very green) \_\_\_\_\_  
 pH at 1 meter 8.6

**Profiles**

Depth (ft or m)	DO mg/L	Temp oC	Cond µS	pH	Depth (ft or m)	DO mg/L	Temp oC	Cond µS	pH	Depth (ft or m)	DO mg/L	Temp oC	Cond µS	pH	
3	8.6	22.5	493	8.6	39	2.5	18.9	530	7.6	75	4.3	5.6	521	7.5	34.0
6	8.6	22.5	492	8.6	42	3.4	9.4	526	7.5	78	4.2	5.6	521	7.5	32.9
9	8.7	22.5	492	8.6	45	3.9	8.9	525	7.5	81	3.0	5.5	524	7.5	24.0
12	8.6	22.5	492	8.6	48	4.5	7.8	522	7.6	84	2.0	5.4	527	7.5	16.0
15	8.6	22.4	492	8.6	51	5.4	7.2	522	7.6	87	0.2	5.3	529	7.4	2.2
18	8.1	22.3	493	8.6	54	4.5	6.7	522	7.6	90	0.08	5.3	537	7.4	0.5
21	7.6	22.0	494	8.6	57	4.1	6.4	522	7.5	93					
24	6.5	21.3	500	8.4	60	5.1	6.2	521	7.6	96					
27	4.4	20.0	511	8.2	63	5.4	6.1	521	7.6						
30	1.9	17.7	532	7.8	66	5.1	5.9	521	7.6						
33	1.6	14.5	535	7.6	69	4.8	5.8	521	7.6						
36	1.9	12.6	532	7.6	72	4.3	5.7	521	7.5						

Meter Type and ID Number(s) HydroLab Surveyor 4a

**Water Samples**

Depth of Integrated Water Sample 0-6 m or ft SLH Field Number BCFD 1  
 Amount filtered for chlorophyll \_\_\_\_\_ mLs

**Comments / Observations**

Depth	DO	Temp	Cond	pH
N 43° 22.804'	18	92.9	57	33.0
W 088° 15.645'	21	86.0	60	40.3
± 26 ft 30 GPS	39	22.1	63	43.1
6 sats	42	29.6	66	41.0
	45	33.5	69	37.9
	48	37.3	72	34.5
	51	44.5		
	54	37.5		

**DNR BASELINE MONITORING**

Lake Name Bio Cedar Date 7/23/07 Time 10:44 AM

Sample Location (e.g. deepest point in basin) Deep Hole

WBIC \_\_\_\_\_ % Cloud Cover 10%

Observers McManama Wind Speed 5 mph from SE Direction  
Bunk

**Field Measurements and Observations**

Secchi Disk 2.2, 1.9 (m or ft) Custer Color Strip Reading A2, A2

Algae Development - Not apparent \_\_\_\_\_ Site Depth 105 (m or ft)  
Slight (just visible) \_\_\_\_\_  
Moderate (quite noticeable) \_\_\_\_\_ pH at 1 meter 8.1  
Heavy (very green) X

**Profiles**

Depth ft or m	DO mg/L	Temp oC	Cond µS	pH	Depth ft or m	DO mg/L	Temp oC	Cond µS	pH	Depth ft or m	DO mg/L	Temp oC	Cond µS	pH
3	9.7	24.24	520	8.1	39	6.5	10.1	533	7.8	75	6.4	5.6	528	7.7
6	10.04	24.2	520	8.5	42	7.5	9.0	531	7.8	78	6.8	5.5	528	7.7
9	10.27	23.9	518	8.61	45	7.6	8.2	531	7.8	81	6.2	5.4	528	7.7
12	10.2	23.8	519	8.62	48	8.1	7.5	528	7.8	84	5.0	5.3	530	7.6
15	10.14	23.6	519	8.6	51	8.0	6.9	528	7.8	87	2.9	5.3	534	7.5
18	9.80	23.2	522	8.6	54	7.3	6.6	528	7.7	90	0.5	5.2	540	7.5
21	8.70	22.8	524	8.5	57	7.5	6.3	528	7.7	93		bottom		
24	7.5	22.3	530	8.4	60	7.7	6.1	527	7.7	96				
27	7.8	19.1	542	8.0	63	8.2	5.9	526	7.8	99				
30	4.9	15.4	540	7.9	66	7.5	5.8	527	7.7					
33	5.6	13.4	538	7.8	69	7.1	5.7	527	7.7					
36	6.1	11.9	536	7.8	72	7.0	5.6	527	7.7					

100 sat  
114.8  
118.0  
120.0  
120.5  
1  
86  
52.5  
48.0  
53.0  
55.5

100 sat

50.9  
53.2  
49.0  
39.9  
23.0  
4.3

Meter Type and ID Number(s) HydroLab Surveyor 4a

**Water Samples**

Depth of Intergrated Water Sample 0-6 m or ft SLH Field Number BCED1

Amount filtered for chlorophyll \_\_\_\_\_ mLs

**Comments / Observations**

18	107	39	57.4	54	59.0	69	56.8	N43.37907°
21	100	42	64.5	57	59.5	72	54.7	W088.26185°
		45	64.5	60	61.0			±15 ft
		48	66.7	63	65.1			
		51	65.0	66	59.5			

↓  
deeper  
7000  
sat

100 sat

**DNR BASELINE MONITORING**

Lake Name Big Cedar Date 9/18/07 Time 10:16 AM

Sample Location (e.g. deepest point in basin) Deep Spot @ 104 ft

WBIC \_\_\_\_\_ % Cloud Cover 100%

Observers Hudak Wind Speed 10-15 mph from N/NW Direction  
Bink

**Field Measurements and Observations**

Secchi Disk 5.75 5.5 (m or ft) Custer Color Strip Reading 28 C3 A3

Algae Development - Not apparent \_\_\_\_\_ Site Depth 104 (m or ft)  
Slight (just visible) \_\_\_\_\_  
Moderate (quite noticeable) \_\_\_\_\_ pH at 1 meter 7.1  
Heavy (very green) \_\_\_\_\_

**Profiles**

Depth (ft or m)	DO mg/L	Temp oC	Cond µS	pH	Depth (ft or m)	DO mg/L	Temp oC	Cond µS	pH	Depth (ft or m)	DO mg/L	Temp oC	Cond µS	pH
3	11.88	5.39	530	7.08	39	11.45	4.78	529	7.69	75	11.17	4.53	529	7.95
6	11.66	5.39	530	7.16	42	11.34	4.77	529	7.72	78	11.14	4.53	529	7.96
9	11.51	5.38	530	7.24	45	11.35	4.75	530	7.74	81	11.22	4.53	529	7.97
12	11.54	5.39	531	7.30	48	11.37	4.75	529	7.75	84	11.26	4.52	529	7.98
15	11.57	5.35	530	7.38	51	11.21	4.75	529	7.83	87	11.26	4.50	529	7.99
18	11.54	5.35	530	7.42	54	11.26	4.74	529	7.83	90	11.35	4.47	529	8.00
21	11.44	5.37	530	7.47	57	11.26	4.74	529	7.86	93	11.21	4.43	529	8.01
24	11.48	5.30	530	7.51	60	11.25	4.63	530	7.89	96	11.20	4.32	529	8.01
27	11.47	5.16	529	7.55	63	11.26	4.61	529	7.90	99	11.10	4.27	529	8.02
30	11.32	5.22	529	7.58	66	11.29	4.62	529	7.93	102				
33	11.48	4.93	530	7.63	69	11.22	4.54	529	7.94					
36	11.42	4.80	529	7.66	72	11.21	4.54	529	7.94					

Meter Type and ID Number(s) Hydrolab Surveyor 19

**Water Samples**

Depth of Intergrated Water Sample 0-6 m or ft SLH Field Number BCED1

Amount filtered for chlorophyll \_\_\_\_\_ mLs

**Comments / Observations**

39	89.3	51	87.3	63	87.4
42	88.2	54	87.7	66	87.5
45	88.5	57	87.7	69	86.9
48	88.7	60	87.4	72	86.7

*no sat*  
 N43.37400' ± 20 ft  
 W088.26476 7 sats

**DNR BASELINE MONITORING**

Lake Name Big Cedar Date 8/22/06 Time 11:02 AM

Sample Location (e.g. deepest point in basin) Deep Spot @ 105 ft

WBIC \_\_\_\_\_ % Cloud Cover 50%

Observers Patrice Eyles Wind Speed calm mph from \_\_\_\_\_ Direction  
Heidi Bunk

**Field Measurements and Observations**

Secchi Disk 2.0 / 2.55 (m or ft) Custer Color Strip Reading \_\_\_\_\_

Algae Development - Not apparent \_\_\_\_\_ Site Depth 105 (m or ft)  
Slight (just visible) \_\_\_\_\_  
Moderate (quite noticeable) \_\_\_\_\_ pH at 1 meter \_\_\_\_\_  
Heavy (very green) X

**Profiles**

705 ft

Depth ft or m	DO mg/L	Temp oC	Cond µS	pH	Depth ft or m	DO mg/L	Temp oC	Cond µS	pH	Depth ft or m	DO mg/L	Temp oC	Cond µS	pH
3	8.5	24.3	560	8.57	39	6.14	10.35	596	7.66	54.4				
6	8.76	24.29	561	8.58	42	6.16	9.42	594	7.60	54.3				
9	8.68	24.21	560	8.59	45	6.53	8.72	592	7.61	55.6				
12	8.72	24.17	560	8.59	48	6.65	7.79	593	7.57	56.3				
15	8.76	24.15	560	8.59	51	6.64	7.20	590	7.55	54.6				
18	8.55	24.09	560	8.59	54	6.26	6.68	592	7.49	52.0				
21	8.56	24.03	561	8.58	57	6.06	6.45	591	7.47	49.3				
24	7.40	23.48	566	8.47	60	5.83	6.14	591	7.46	47.2				
27	3.75	18.66	599	7.68	63	6.06	5.93	590	7.46	48.3				
30	4.25	16.74	599	7.68	66	5.88	5.80	590	7.44	47.1				
33	5.47	13.73	597	7.69	69	5.77	5.70	590	7.43	46.0				
36	5.89	11.90	516	7.68	72	5.68	5.63	590	7.43	45.0				

\*103.9  
Meter Type and ID Number(s) Hydrak Surveyor 4a

**Water Samples**

Depth of Integrated Water Sample 0-6 m or ft SLH Field Number BCED1

Amount filtered for chlorophyll \_\_\_\_\_ mLs

**Comments / Observations**

N 43° 22.532'

W 088° 15.836'

± 18 ft 7 sat



**DNR BASELINE MONITORING**

Lake Name Big Cedar Date 7/18/06 Time 10:54 AM

Sample Location (e.g. deepest point in basin) Deep Spot @ 105 ft

WBIC \_\_\_\_\_ % Cloud Cover 0% Sunny

Observers Andrew Hudak  
Heriberto Bunk Wind Speed 0-5 mph from N-NE Direction

**Field Measurements and Observations**

Secchi Disk 2.4/2.3 (m or ft) Custer Color Strip Reading \_\_\_\_\_

Algae Development - Not apparent \_\_\_\_\_  
Slight (just visible) \_\_\_\_\_  
Moderate (quite noticeable) X \_\_\_\_\_  
Heavy (very green) \_\_\_\_\_

Site Depth 105 (m or ft)

pH at 1 meter 8.5

**Profiles**

Depth ft or m	DO mg/L	Temp oC	Cond µS	pH	Depth ft or m	DO mg/L	Temp oC	Cond µS	pH	Depth ft or m	DO mg/L	Temp oC	Cond µS	pH
3	9.38	26.23	561	8.51										
6	9.09	26.15	581	8.51										
9	8.96	26.02	562	8.5										
12	9.04	25.75	581	8.5										
15	8.8	25.69	582	8.48										

Meter Type and ID Number(s) Hydrolab Surveyor 4a

**Water Samples**

Depth of Integrated Water Sample 0-6 m or ft SLH Field Number BCFD1

Amount filtered for chlorophyll \_\_\_\_\_ mLs

**Comments / Observations**

	6 ft	9 ft	12 ft	15 ft
σ <sub>t</sub> 116.2	σ <sub>t</sub> 112	σ <sub>t</sub> 111	σ <sub>t</sub> 110.6	σ <sub>t</sub> 108.5
TDS 137.21	TDS			
Turb 29	Turb			
3 ft				

N 43° 22.457'  
W 88° 15.927'  
± 16 ft

**DNR BASELINE MONITORING**

Lake Name Big Cedar Lake Date 04/27/2006 Time 12:00 noon

Sample Location (e.g. deepest point in basin) Deep Spot @ 101 Ft

WBIC \_\_\_\_\_ % Cloud Cover 0% Sunny

Observers Rachel Call  
Heidi Gunk Wind Speed 0-5 mph from NE Direction

**Field Measurements and Observations**

Secchi Disk 4.1 4.3 (m) or ft Custer Color Strip Reading \_\_\_\_\_

Algae Development - Not apparent \_\_\_\_\_ Site Depth 101 (m or ft)  
Slight (just visible) \_\_\_\_\_  
Moderate (quite noticeable) X \_\_\_\_\_ pH at 1 meter 8.03  
Heavy (very green) \_\_\_\_\_

**Profiles**

Depth ft or m	DO mg/L	Temp oC	Cond µS	pH	Depth ft or m	DO mg/L	Temp oC	Cond µS	pH	Depth ft or m	DO mg/L	Temp oC	Cond µS	pH
3	12.21	10.61	530	8.03	39	12.01	8.65	530	7.95	75	11.32	5.16	526	7.78
6	11.93	10.48	530	8.02	42	12.19	6.86	527	7.92	78	11.30	5.15	526	7.78
9	12.03	10.43	530	8.02	45	12.11	6.62	526	7.90	81	11.35	5.13	526	7.77
12	11.92	10.37	530	8.01	48	11.98	6.43	527	7.88	84	11.26	5.12	526	7.77
15	12.06	10.23	530	8.00	51	11.96	6.12	526	7.87	87	11.29	4.98	526	7.77
18	12.00	10.20	531	8.00	54	11.92	5.89	527	7.85	90	11.25	4.94	526	7.77
21	11.98	10.17	531	8.00	57	11.78	5.67	526	7.83	93	11.19	4.89	526	7.76
24	11.82	10.09	530	8.00	60	11.46	5.37	526	7.83	96				
27	11.99	9.76	530	7.99	63	11.48	5.22	526	7.80	99				
30	11.97	9.49	530	7.98	66	11.41	5.17	526	7.79					
33	11.97	9.13	530	7.97	69	11.35	5.17	526	7.79					
36	11.92	8.75	530	7.96	72	11.40	5.16	526	7.79					

Meter Type and ID Number(s) HydroLab Surveyor 4a

**Water Samples**

Depth of Intergrated Water Sample 0-6 m or ft SLH Field Number BCED1

Amount filtered for chlorophyll \_\_\_\_\_ mLs

**Comments / Observations**

N 43° 22.352'  
W 088° 16.094'  
area 24.4 ft  
elevation 1034 ft

Hit bottom @ 34 ft

**DNR BASELINE MONITORING**

Lake Name Big Cedar Date 10/14/05 Time 2:03 PM  
 Sample Location (e.g., deepest point in basin) Deep Spt @ 99 ft  
 WBIC \_\_\_\_\_ % Cloud Cover/Precip Clear, Dry, Windy  
 Observers Bunk Wind Speed 1.5 mph from SW Direction  
Hemmingson

**Field Measurements and Observations**

Secchi Disk 38 (m or ft) Custer Color Strip Reading 2  
 Algae Development – Not apparent \_\_\_\_\_ Site depth 7 (m or ft)  
 Slight (just visible) \_\_\_\_\_  
 Moderate (quite noticeable) \_\_\_\_\_ pH at 1 meter 99 ft  
 Heavy (very green)

**Profiles**

Depth ft or m	DO mg/L	Temp °C	Cond. µS	Depth ft or m	DO mg/L	Temp °C	Cond µS	Depth ft or m	DO mg/L	Temp °C	Cond µS
3	5.36										
6											
9											
12											
15											
18											
21											
24											
27											
30											

Meter Type and ID Number(s) \_\_\_\_\_

**Water Samples**

Depth of Integrated Water Sample 0-6 m or  ft SLH Field Number BCED 1  
 Amount filtered for chlorophyll \_\_\_\_\_ mLs

**Comments / Observations**

Hydrolab battery ran out → chloro, phos. data  
 N43° 22.686'  
 W088° 15.630'  
 elevation 989 ft  
 accur 13.7 ft  
 \* Not sent in to SLH per  
 SLH instructions

PH



**DNR BASELINE MONITORING**

Lake Name Big Cedar Date 4/15/05 Time 11:55AM  
 Sample Location (e.g., deepest point in basin) Deep spot @ 100 ft  
 WBIC \_\_\_\_\_ % Cloud Cover/Precip 100% Dry, Sunny  
 Observers Campfield Wind Speed 0-5 mph from NE Direction  
Bank

**Field Measurements and Observations**

Secchi Disk 6.6 (m or ft) Custer Color Strip Reading 2  
 Algae Development – Not apparent \_\_\_\_\_ Site depth 100 (m or ft)  
 Slight (just visible)  \_\_\_\_\_  
 Moderate (quite noticeable) \_\_\_\_\_ pH at 1 meter 7.42  
 Heavy (very green) \_\_\_\_\_ 6 ft 7.41

**Profiles**

Depth ft or m	DO mg/L	Temp °C	Cond µS	Depth ft or m	DO mg/L	Temp °C	Cond µS	Depth ft or m	DO mg/L	Temp °C	Cond µS
<u>3</u>	<u>7.72</u>	<u>7.11</u>	<u>519</u>								
<u>6</u>	<u>7.53</u>	<u>6.84</u>	<u>519</u>								

Meter Type and ID Number(s) Surveyor 49

**Water Samples**

Depth of Integrated Water Sample 0-6 m or ft SLH Field Number BCED1  
 Amount filtered for chlorophyll \_\_\_\_\_ mLs

**Comments / Observations**

N43°22.787'  
W088°15.659'  
accur 7.9ft  
elevation 1030 ft

**DNR BASELINE MONITORING**

Lake Name Big Cedar Date 8/2/04 Time 1600  
 Sample Location (e.g., deepest point in basin) DPB  
 WBIC \_\_\_\_\_ % Cloud Cover/Precip 60% clouds  
 Observers H. Bank Wind Speed 5 mph from SW Direction  
P. Campbell

**Field Measurements and Observations**

✓ Secchi Disk 2.2 (m or ft) Custer Color Strip Reading \_\_\_\_\_  
 Algae Development - Not apparent \_\_\_\_\_ Site depth 106 (m or ft)  
 Slight (just visible) \_\_\_\_\_  
 Moderate (quite noticeable) \_\_\_\_\_ pH at 1 meter 8.11  
 Heavy (very green) \_\_\_\_\_

**Profiles**

Depth ft or m	DO mg/L	Temp °C	Cond µS	Depth ft or m	DO mg/L	Temp °C	Cond µS	Depth ft or m	DO mg/L	Temp °C	Cond µS
3	9.10	24.40	460	33	4.33	14.83	492	63	4.91	8.79	493
6	9.34	24.20	460	36	4.40	12.44	498	66	4.14	8.65	495
9	9.43	24.03	460	39	4.74	11.62	498	69	3.90	8.48	495
12	9.47	23.96	460	42	4.93	11.11	496	72	3.62	8.43	495
15	9.47	23.93	460	45	5.19	10.47	496	75	3.47	8.39	494
18	9.45	23.88	460	48	5.27	10.20	496	78	3.32	8.27	495
21	9.49	23.87	460	51	5.44	9.78	495	81	3.26	8.23	496
24	8.70	21.89	470	54	5.16	9.54	495	84	3.03	8.12	496
27	5.56	18.72	484	57	4.88	9.25	493	87	2.65	8.09	496
30	4.62	16.36	488	60	5.05	8.97	493	90	2.34	8.03	497

Meter Type and ID Number(s) H-lab Sumpner 3

**Water Samples**

Depth of Integrated Water Sample 0-6 m or ft SLH Field Number BCED 1  
 Amount filtered for chlorophyll \_\_\_\_\_ mLs

**Comments / Observations**

LAT = N 43° 22.756' 93 1.93 7.87 500  
 LON = W 088° 15.599' 96 1.53 7.82 501  
 Acc = 10.7'  
 FLEI = 1010'  
 FT DO T° COND.

**DNR BASELINE MONITORING**

Lake Name Bogard Date 04/07/04 Time 12:12pm  
 Sample Location (e.g., deepest point in basin) Deep spot @ 100ft  
 WBIC \_\_\_\_\_ % Cloud Cover/Precip 70% 80% 1 Dry  
 Observers Heidi Bunk Wind Speed 5 mph from S-SE Direction  
Rachael Gull

**Field Measurements and Observations**

✓ Secchi Disk 4.1 (m or ft) Custer Color Strip Reading 4  
 Algae Development - Not apparent Site depth 100 (m or ft)  
 Slight (just visible)   
 Moderate (quite noticeable) \_\_\_\_\_  
 Heavy (very green) \_\_\_\_\_  
 pH at 1 meter \_\_\_\_\_

**Profiles**

Depth ft or m	DO mg/L	Temp °C	Cond µS	Depth ft or m	DO mg/L	Temp °C	Cond µS	Depth ft or m	DO mg/L	Temp °C	Cond µS
3	12.41	4.85	481	33	12.57	4.42	481	63			
6	12.45	4.79	480	36	12.56	4.42	480	66			
9	12.51	4.63	482	39	12.54	4.42	481	69			
12	12.57	4.57	482	42	12.51	4.41	482	72			
15	12.59	4.51	480	45				75			
18	12.60	4.49	481	48				78			
21	12.59	4.46	482	51				81			
24	12.57	4.45	481	54				84			
27	12.56	4.42	483	57				87			
30	12.57	4.41	481	60				90			

Meter Type and ID Number(s) HydroLab Striver 3

**Water Samples**

Depth of Integrated Water Sample 1 m or ft SLH Field Number BOED 1  
 Amount filtered for chlorophyll \_\_\_\_\_ mLs

**Comments / Observations**

DO mg/L	Temp °C	Cond µS	30
93			N 43° 22.597'
96			W 088° 15.700'
99			Elevation 1024 accuracy 11.5ft

**DNR BASELINE MONITORING**

Lake Name Big Cedar Date 8/21/03 Time 10:41 AM  
 Sample Location (e.g., deepest point in basin) Deep Spot @ 95 ft  
 WBIC \_\_\_\_\_ % Cloud Cover/Precip 50% / Dry / Sunny  
 Observers Heidi Bunk Wind Speed 15-20 mph from SW Direction  
Jim Fratricle

**Field Measurements and Observations**

Secchi Disk 2.1 (m or ft) Custer Color Strip Reading 6  
 Algae Development – Not apparent \_\_\_\_\_ Site depth 95 (m or ft)  
 Slight (just visible) \_\_\_\_\_  
 Moderate (quite noticeable) \_\_\_\_\_ pH at 1 meter 8.12  
 Heavy (very green) \_\_\_\_\_

**Profiles**

Depth ft or m	DO mg/L	Temp °C	Cond µS	Depth ft or m	DO mg/L	Temp °C	Cond µS	Depth ft or m	DO mg/L	Temp °C	Cond µS
1	9.24	25.70	463	30	0.42	17.23	494	70	0.04	6.92	497
3	9.18	25.66	463	33	0.36	14.27	499	75	0.03	6.91	498
6	9.13	25.65	463	36	0.35	11.0	498	80	0.03	6.92	498
9	9.25	25.64	463	39	0.26	10.04	496	85	0.03	6.91	498
12	9.21	25.64	463	42	0.11	9.35	496	90	0.02	6.91	499
15	9.19	25.58	463	45	0.06	9.11	497	95			
18	9.26	25.49	463	50	0.11	8.54	496				
21	9.25	25.12	463	55	0.07	7.78	498				
24	8.37	22.29	475	60	0.05	7.42	496				
27	0.50	19.87	485	65	0.05	7.17	498				

Meter Type and ID Number(s) Hydrolab Saver 3

**Water Samples**

Depth of Integrated Water Sample 0-6 m or ft SLH Field Number BCED1  
 Amount filtered for chlorophyll \_\_\_\_\_ mLs

**Comments / Observations**

N43° 22.942' across 7.4 ft  
 W088° 15.579' 3D diff.  
 Elevation 1025 ft



**DNR BASELINE MONITORING**

Lake Name B. Cedar Date 4/23/03 Time 11:39 AM

Sample Location (e.g., deepest point in basin) Deep spot @ 103 ft

WBIC \_\_\_\_\_ % Cloud Cover/Precip 0% / Clear, Dry, Sunny

Observers Heidi Bunk Wind Speed 4.5 mph from SW Direction  
Brooke Robinson 55° F almost calm

**Field Measurements and Observations**

Secchi Disk 2.9 (m or ft) Custer Color Strip Reading 0

Algae Development – Not apparent \_\_\_\_\_ Site depth 103 (m or ft)  
 Slight (just visible) \_\_\_\_\_  
 Moderate (quite noticeable) X pH at 1 meter 8.05  
 Heavy (very green) \_\_\_\_\_

**Profiles**

Depth ft or m	DO mg/L	Temp °C	Cond µS	Depth ft or m	DO mg/L	Temp °C	Cond µS	Depth ft or m	DO mg/L	Temp °C	Cond µS
3	11.72	6.83	487	35	12.51	5.96	486	85	12.44	5.84	485
6	12.20	6.44	486	40	12.47	5.95	486	90	12.45	5.84	485
9	12.51	6.30	485	45	12.46	5.95	486	95	12.42	5.82	485
12	12.57	6.16	486	50	12.45	5.75	486	100	12.44	5.72	486
15	12.65	6.12	485	55	12.45	5.93	486	105			
18	12.57	6.11	487	60	12.41	5.93	486				
21	12.51	6.11	486	65	12.44	5.88	485				
24	12.51	6.06	486	70	12.42	5.85	486				
27	12.54	6.0	486	75	12.42	5.85	486				
30	12.50	6.0	486	80	12.43	5.84	485				

Meter Type and ID Number(s) HydroLab Surveyor 3

**Water Samples**

Surface  
 Depth of Integrated Water Sample 1 m or ft SLH Field Number BCED 1  
 Amount filtered for chlorophyll \_\_\_\_\_ mLs

**Comments / Observations**

N 43° 22.642' accuracy 18.9 ft  
 W 088° 15.710'  
 1 2m tow @ deep spot  
 1 2m tow @ launch site - i.e. in lake ~ 1000 ft from shore



Store # 673206

**DNR BASELINE MONITORING**

Lake Name Big Cedar Date 10/04/01 Time 2:26 PM  
Sample Location (e.g., deepest point in basin) Reap Spot @ 105 ft  
WBIC 25300 % Cloud Cover/Precip 100% / Dry  
Observers Bunk Wind Speed 20 mph from South Direction  
Franson

**Field Measurements and Observations**

Secchi Disk 2.5 (m or ft) Custer Color Strip Reading 2  
Algae Development - Not apparent \_\_\_\_\_  
Slight (just visible)  \_\_\_\_\_  
Moderate (quite noticeable) \_\_\_\_\_  
Heavy (very green) \_\_\_\_\_  
Site depth 105 (m or ft)  
pH at 1 meter 8.41

**Profiles**

Depth (ft or m)	DO mg/L	Temp °C	Cond µS	Depth (ft or m)	DO mg/L	Temp °C	Cond µS	Depth (ft or m)	DO mg/L	Temp °C	Cond µS
1	9.63	16.26	452	20	8.84	15.9	453	65	0.06	7.66	485
3	9.63	16.3	452	33	8.73	15.85	453	70	0.04	7.44	485
6	9.63	16.3	452	36	8.58	15.62	454	75	0.03	7.25	485
9	9.63	16.3	452	39	7.43	15.21	457	80	0.02	7.08	487
12	9.64	16.3	452	42	4.86	14.27	464	85	0.02	6.94	488
15	9.6	16.29	451	45	0.24	10.28	489	90	0.00	6.87	492
18	9.59	16.27	452	48	0.16	9.80	488	95	0.0	6.68	502
21	9.46	16.19	452	50	0.12	9.5	487				
24	9.34	16.01	453	55	0.2	8.38	486				
27	8.96	15.93	453	60	0.13	8.03	485				

Meter Type and ID Number(s) Hydrolab Surveyor 3

**Water Samples**

Depth of Integrated Water Sample 0-6 m or ft SLH Field Number BCEDI  
Amount filtered for chlorophyll 800 mLs BCEDI2 = 95 ft Van Dorn

**Comments / Observations**

pH @ 9.5 ft = 7.35

**DNR BASELINE MONITORING**

Lake Name Big Cedar Date 8/01/01 Time 2:17 PM  
 Sample Location (e.g., deepest point in basin) Near Deep Hole (Regatta)  
 WBIC 25300 % Cloud Cover/Precip 90% / Dry by deep hole  
 Observers Bunk Wind Speed 20 mph from S Direction  
Volz

**Field Measurements and Observations**

Secchi Disk 3.3 (m or ft) Custer Color Strip Reading 2  
 Algae Development – Not apparent \_\_\_\_\_  
 Slight (just visible) X  
 Moderate (quite noticeable) \_\_\_\_\_  
 Heavy (very green) \_\_\_\_\_  
 Site depth 60 (m or ft)  
 pH at 1 meter \_\_\_\_\_

**Profiles**

Depth ft or m	DO mg/L	Temp °C	Cond µS	Depth ft or m	DO mg/L	Temp °C	Cond µS	Depth ft or m	DO mg/L	Temp °C	Cond µS

Meter Type and ID Number(s) Hydrolab Battery Ran out

**Water Samples**

Depth of Integrated Water Sample 0-6 m or ft SLH Field Number BCED 1  
 Amount filtered for chlorophyll 1000 mLs

**Comments / Observations**

**DNR BASELINE MONITORING**

Lake Name Big Cedar (No) Date 6/26/01 Time 1:15 PM

Sample Location (e.g., deepest point in basin) Deep

WBIC 0025300 % Cloud Cover/Precip 0% Day Sunny

Observers Gabe Powers Wind Speed 0 mph from S Direction  
Heidi Bunk

**Field Measurements and Observations**

Secchi Disk 1.95 (m or ft) Custer Color Strip Reading \_\_\_\_\_

Algae Development – Not apparent \_\_\_\_\_ Site depth 100 (m or ft)  
 Slight (just visible) \_\_\_\_\_  
 Moderate (quite noticeable)  pH at 1 meter 8.58  
 Heavy (very green) \_\_\_\_\_

**Profiles**

Depth ft or m	DO mg/L	Temp °C	Cond µS	Depth ft or m	DO mg/L	Temp °C	Cond µS	Depth ft or m	DO mg/L	Temp °C	Cond µS
1	11.08	23.33	456	45	7.80	7.85	479	95	3.25	6.80	479
3	11.10	23.22	456	50	7.88	8.80	479	100	2.67	6.79	482
5	11.13	23.12	456	55	7.56	8.18	477	105	1.85	6.79	482
10	11.07	23.08	456	60	7.56	7.84	476				
15	11.13	22.54	455	65	7.15	7.50	476				
20	11.53	20.87	456	70	6.80	7.30	475				
25	11.34	16.72	472	75	5.96	7.18	476				
30	9.77	14.09	477	80	6.16	7.02	476				
35	8.86	12.28	479	85	5.31	6.89	476				
40	8.05	10.69	481	90	4.35	6.53	478				

Meter Type and ID Number(s) HydroLab Surveyor 3

**Water Samples**

Depth of Integrated Water Sample 0-6 m or ft SLH Field Number BCED1  
BCED2 9.5 ft  
 Amount filtered for chlorophyll 800 mLs

**Comments / Observations**

50 may be stored twice  
 pH 7.61 @ 100 ft  
 HydroLab angled due to wind

**DNR BASELINE MONITORING**

Lake Name BIG CEDAR Date 6 / 01 / 01 Time 12:04

Sample Location (e.g., deepest point in basin) Deep Spot @ 95 ft

WBIC 25300 % Cloud Cover/Precip 20% / dry

Observers Ben Callan Wind Speed 20 mph from SW Direction  
Heidi Bunk

**Field Measurements and Observations**

Secchi Disk 2.8 (m or ft) Custer Color Strip Reading \_\_\_\_\_

Algae Development - Not apparent \_\_\_\_\_  
Slight (just visible) \_\_\_\_\_  
Moderate (quite noticeable) X \_\_\_\_\_  
Heavy (very green) \_\_\_\_\_  
Site depth 95 (m or ft)  
pH at 1 meter 8.40

**Profiles**

Depth ft or m	DO mg/L	Temp °C	Cond µS	Depth ft or m	DO mg/L	Temp °C	Cond µS	Depth ft or m	DO mg/L	Temp °C	Cond µS
1	12.19	11.38	474	45				95			
3	12.21	11.29	474	50				100			
5	12.19	11.31	475	55				105			
10	12.19	11.31	474	60				110			
15				65	11.44	7.17	471	115			
20				70							
25				75							
30				80							
35				85							
40				90							

Meter Type and ID Number(s) HydroLab Suvenger 3

**Water Samples**

Depth of Integrated Water Sample 1 m or ft SLH Field Number BCED1 1A  
Amount filtered for chlorophyll 70800 mLs BCED2 708A

**Comments / Observations**

Trend Ambient

Washington Co.

**DNR BASELINE MONITORING**

Lake Name Big Cedar Lake Date 9/18/00 Time 13:30

Sample Location (e.g., deepest point in basin) \_\_\_\_\_

WBIC \_\_\_\_\_ % Cloud Cover/Precip 25%

Observers Rob Wind Speed 10-15 mph from SSW Direction  
Lynn

**Field Measurements and Observations**

Secchi Disk 2 (m or ft) Custer Color Strip Reading 2

Algae Development – Not apparent \_\_\_\_\_  
Slight (just visible) X  
Moderate (quite noticeable) \_\_\_\_\_  
Heavy (very green) \_\_\_\_\_  
Site depth 101 (m or ft)  
pH at 1 meter 8.4

**Profiles**

Depth ft or m	DO mg/L	Temp °C	Cond µS	Depth ft or m	DO mg/L	Temp °C	Cond µS	Depth ft or m	DO mg/L	Temp °C	Cond µS

Meter Type and ID Number(s) \_\_\_\_\_

**Water Samples**

Depth of Integrated Water Sample 32 m or ft SLH Field Number \_\_\_\_\_

Amount filtered for chlorophyll 800 mLs

**Comments / Observations**

Big Cedar - North Basin  
7-28-98

TEMP	pH	SpCOND	TDS	DO	DEPTH
24.73	7.99	445	0.285	8.46	1
24.74	8	445	0.285	8.54	5
24.69	8.03	445	0.285	8.56	10
24.63	8.04	446	0.285	8.37	15
23.06	7.86	456	0.292	6.12	20
16.6	7.45	480	0.307	1.17	25
14.28	7.28	484	0.31	0.21	30
11.97	7.13	495	0.317	0.15	35

SD = 3.0 um



Big Cedar Lake (North Basin)  
7-2-98

Temp	pH	SpCond	TDS	DO	Depth
25.86	8.44	448	0.287	7.77	1
25.81	8.45	448	0.287	7.88	5
25.71	8.46	448	0.287	7.8	10
24.94	8.44	449	0.287	7.23	15
18.22	8.25	467	0.299	5.85	20
14.85	7.79	475	0.304	0.86	25
12.79	7.7	473	0.303	0.3	30
11.7	7.57	477	0.305	0.15	35

*SECCHI DEPTH = 4.0 m*

Big Cedar North Basin  
4/1/98

TEMP.	pH	SpCond	TDS	DO	Depth
9.11	8.45	453	0.29	11.48	1
9.1	8.48	454	0.29	11.39	5
9.1	8.49	454	0.291	11.25	10
9.09	8.5	454	0.291	11.32	15
9.09	8.51	455	0.291	11.27	20
9.05	8.51	455	0.291	11.25	25
8.64	8.49	453	0.29	11.17	30
8.22	8.49	452	0.289	11.14	35

Date	7-28/97
Lake	BIG CEDAR - NORTH
Time	1530
County	
Storet Number	
Water Body Number	
Lake Acreage	
Maximum Depth	
Air Temperature	

Station Location

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Light Penetration Station	Secchi Disc Depth in Meters
	3.0 m

Lake Stratification: Sampling for D.O. (ppm) and Temperature (°C)

Unit ft./m	Depth	D.O.	Temp.	pH	COND	TDS	Depth	D.O.	Temp.	pH
	0	8.8	25.8	8.4	483	.309				
	5	8.8	25.8	8.4	483	.309				
	10	8.9	25.7	8.4	483	.309				
	15	7.9	24.1	8.4	486	.311				
*	20	3.0	22.1	7.9	499	.319				
	25	0.4	19.0	7.6	515	.329				
	30	0.1	15.9	7.5	524	.335				
	35	0.1	13.8	7.4	538	.344				
	40									

Wind Speed and Direction	Cloud Cover
	70%

Macrophyte Sampling Information

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Additional Comments or Remarks

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Prepared By

Lake <u>Big Cedar</u>	Date <u>7-1-97</u>
County <u>BC North</u>	Time <u>1115-</u>
Storet Number _____	Lake Acreage _____
Water Body Number _____	Maximum Depth <u>34 ft</u>
Station Location _____	Air Temperature _____

Light Penetration Station _____	Secchi Disc Depth in Meters <u>4.2m</u>
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Lake Stratification: Sampling for D.O. (ppm) and Temperature (°C)

Unit	Depth	D.O.	Temp.	pH
ft./m BCN1	0	8.19	26.10	8.25
	5	8.20	26.07	8.26
	10	8.08	25.10	8.26
BCN2	15	8.09	24.07	8.25
	20	5.67	19.88	7.93
BCN3	25	2.50	15.33	7.62
	30	0.33	13.79	7.48
	35			

Depth	COND	TDS	pH
0	485	0.312	
5	488	0.312	
10	487	0.312	
15	497	0.317	
20	516	0.331	
25	522	0.334	
30	524	0.336	
35			

Wind Speed and Direction _____	Cloud Cover <u>30%</u>
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Macrophyte Sampling Information

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Additional Comments or Remarks

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2000  
Phyto  
+ 20 liter taken

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Prepared By \_\_\_\_\_

Date	5/6/97
Lake	BIG CEDAR NORTH
Time	11:30
County	
Storet Number	-----
Water Body Number	-----
Maximum Depth	
Air Temperature	

Station Location

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Light Penetration Station	Secchi Disc Depth in Meters
	2.1 m

Lake Stratification: Sampling for D.O. (ppm) and Temperature (°C)

Unit ft./m	Depth	D.O.	Temp.	pH	COND	TDS	Depth	D.O.	Temp.	pH
	0	10.7	11.3	8.3	497	.316				
	5	10.7	11.3	8.3	497	.318				
	10	10.7	11.2	8.3	"	"				
	15	10.7	11.2	8.3	497	"				
	20	10.6	11.1	8.3	"	"				
	25	10.6	11.1	8.3	"	"				
	30	10.4	10.8	8.3	"	"				
	35	9.8	10.5	8.2	"	"				

Wind Speed and Direction	NW 7-15	Cloud Cover	0/6
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Macrophyte Sampling Information

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Additional Comments or Remarks

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Prepared By

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Date	3/3/97
Lake	Big Cedar North Basin
Time	1100
County	
Storet Number	
Water Body Number	
Station Location	

Light Penetration Station	Secchi Disc Depth in Meters
	4.5 m

Lake Stratification: Sampling for D.O. (ppm) and Temperature (°C)

Unit	Depth	D.O.	Temp.	pH	COND	TDS	Depth	D.O.	Temp.	pH		
ft./m	0	13.2	1.2	7.7								
	5	11.0	3.7	7.6								
	10	10.0	3.8	7.5								
*	15	8.43	3.6	7.4	No DATA	No DATA						
	20	7.09	3.5	7.3								
	25	3.8	3.2	7.0								
	30	2.1	3.2	7.0								
	35	1.3	3.1	6.9								

Wind Speed and Direction	Cloud Cover
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Macrophyte Sampling Information

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Additional Comments or Remarks

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Prepared By D. HELSFC

Date	8-27-96
Lake	Big Cedar North
Time	1000
County	
Storet Number	
Water Body Number	
Maximum Depth	
Air Temperature	

Station Location

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Light Penetration Station	Secchi Disc Depth in Meters
	2.0m <del>9.0</del> / 6.5 FT

Lake Stratification: Sampling for D.O. (ppm) and Temperature (°C)

Unit ft./m	Depth	D.O.	Temp.	pH	COND	TDS	Depth	D.O.	Temp.	pH
	1	8.0	23.2	8.3	477	.305				
	5	7.5	23.2	8.3	477	.305				
	10	7.6	23.2	8.4	477	.305				
	15	7.2	22.9	8.3	478	.306				
*	20	0.8	19.3	7.6	506	.324				
	25	0.3	14.7	7.4	526	.338				
	30	0.2	13.0	7.2	539	.346				
	35	0.1	12.9	7.2	540	.346				

Wind Speed and Direction	Cloud Cover
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Macrophyte Sampling Information

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Additional Comments or Remarks

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Prepared By

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Date	7-24-96
Lake	Big Crown North
Time	12:00
County	
Storet Number	
Water Body Number	
Lake Acreage	
Maximum Depth	
Air Temperature	

Station Location

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Light Penetration Station	Secchi Disc Depth in Meters
	2.2m

Lake Stratification: Sampling for D.O. (ppm) and Temperature (°C)

Unit ft./m	Depth	D.O.	Temp.	pH	Down	705	Depth	D.O.	Temp.	pH
	0	9.1	23.2	8.1	482	.308				
	5	9.1	23.1	8.2	481	.308				
	10	8.8	22.9	8.1	482	.308				
	15	8.3	22.3	8.1	483	.310				
	20	4.4	20.8	7.8	496	.317				
*	25	0.8	15.5	7.4	516	.331				
	30	0.1	13.3	7.3	525	.336				
	35	0.1	12.0	7.2	539	.345				

Wind Speed and Direction	Cloud Cover
WNW 5-10	30%

Macrophyte Sampling Information

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Additional Comments or Remarks

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Prepared By

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Date	6-27-96
Lake	BIG CEDAR NORTH BASIN
Time	12:20
County	
Storet Number	
Water Body Number	
Lake Acreage	
Maximum Depth	
Air Temperature	

Station Location

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Light Penetration Station	Secchi Disc Depth in Meters
	3.0

Lake Stratification: Sampling for D.O. (ppm) and Temperature (°C)

Unit	Depth	D.O.	Temp.	pH	COND	TDS	Depth	D.O.	Temp.	pH
ft/m	SVRF	10.08	22.96	8.2	418	.268				
	5	10.09	22.91	8.2	419	.268				
	10	10.01	22.70	8.2	418	.267				
MDS*	15	8.22	19.67	8.0	453	.277				
	20	6.46	16.84	7.9	439	.281				
	25	3.60	15.15	7.6	417	.285				
	30	0.09	12.97	7.4	455	.291				
	35	0.07	10.96	7.3	463	.298				

Wind Speed and Direction	Cloud Cover
SW 10-15 mph	0%

Macrophyte Sampling Information

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Additional Comments or Remarks

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Prepared By 76

Date	5-7-96
Lake	BIG CEDAR LK
Time	1130
County	
Storet Number	
Water Body Number	
Maximum Depth	
Air Temperature	

Station Location

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Light Penetration Station	Secchi Disc Depth in Meters
	2.2 m

Lake Stratification: Sampling for D.O. (ppm) and Temperature (°C)

Unit ft./m	Depth	D.O.	Temp.	pH	COND	TDS	Depth	D.O.	Temp.	pH
	1	11.7	10.6	8.1	441	.282				
	5	11.6	10.5	8.2	"	"				
	10	11.5	10.3	8.2	"	"				
	15	11.4	10.1	8.2	"	"				
	20	11.3	9.9	8.2	442	.283				
	25	10.8	9.7	8.2	442	.283				
	30	10.3	9.5	8.1	443	.283				
	32	9.2	9.2	8.0	444	.284				

Wind Speed and Direction	SE 0-7 MPH	Cloud Cover	90%
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Macrophyte Sampling Information

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Additional Comments or Remarks

SPRING TURNOVER SAMPLING

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Prepared By

Big Cedar Lake, Washington Co.  
Sample Date: 2/20/96  
Sample Location: North Basin

	Temp.	pH	SpCond	TDS	DO	Depth
						<del>0.8</del> /
	1.62	7.81	0.475	0.304	12.99	<del>3.6</del> 5
	3.89	7.78	0.483	0.309	9.53	<del>8.5</del> 10
	3.9	7.77	0.484	0.31	9.01	<del>13.5</del> 15 *
	4.17	7.72	0.489	0.313	7.44	<del>18.7</del> 20
135348	4.22	7.61	0.5	0.32	4.64	<del>23.4</del> 25
135425	4.16	7.53	0.514	0.329	3.29	<del>28.9</del> 30
135510	3.89	7.41	0.576	0.369	1.76	<del>33.7</del> 35
135540	4.32	7.35	0.628	0.402	0.84	<del>35.1</del> 37
135603	4.22	7.33	0.632	0.405	0.38	

SECUT = 4.0 m

Date	8-23-95
Lake	Big Cedar Lake (North)
Time	1200
County	
Storet Number	
Water Body Number	
Lake Acreage	
Maximum Depth	
Air Temperature	

Station Location

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Light Penetration Station	Secchi Disc Depth in Meters
	1.5 meters

Lake Stratification: Sampling for D.O. (ppm) and Temperature (°C)

Unit ft./m	Depth	D.O.	Temp.	pH	COND	TDS	Depth	D.O.	Temp.	pH
	0	8.8	25.75	7.9	417	.267				
	5	8.7	25.8	7.5	417	.267				
	10	8.8	25.7	7.65	417	.267				
	15	8.9	25.5	7.8	415	.266				
	20	3.6	23.1	8.1	439	.276				
*	25	0.1	18.8	7.6	470	.301				
	30	0	14.5	7.35	492	.316				
	35	0	12.8	7.19	508	.325				

Wind Speed and Direction	Cloud Cover

Macrophyte Sampling Information

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Additional Comments or Remarks

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Prepared By

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Date	7-28-95
Lake	BIG CEDAR LK (NORTH)
Time	1015
County	
Storet Number	
Water Body Number	
Lake Acreage	
Maximum Depth	35 FT.
Air Temperature	

Station Location

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Light Penetration Station	Secchi Disc Depth in Meters
	2.5 m

Lake Stratification: Sampling for D.O. (ppm) and Temperature (°C)

Unit ft./m	Depth	D.O.	Temp.	pH	COND	TDS	Depth	D.O.	Temp.	pH
	0	9.00	26.02	8.45	443	.284				
	5	8.99	25.98	8.44	443	.284				
	10	8.83	25.69	8.43	444	.284				
	15	7.80	24.58	8.36	449	.287				
*	20	4.79	20.68	8.06	466	.296				
	25	0.40	16.64	7.76	475	.304				
	30	0.00	13.37	7.61	488	.312				
	35	0.00	11.85	7.47	496	.319				

Wind Speed and Direction	Cloud Cover
	0%

Macrophyte Sampling Information

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Additional Comments or Remarks

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Prepared By

Date	10-19-95
Lake	RIG CEDAR NO. BASIN
Time	11:00
County	
Storet Number	
Water Body Number	
Maximum Depth	
Air Temperature	

Station Location

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Light Penetration Station	Secchi Disc Depth in Meters
	2.6 m

Lake Stratification: Sampling for D.O. (ppm) and Temperature (°C)

Unit ft./m	Depth	D.O.	Temp.	pH	Conductivity	Depth	D.O.	Temp.	pH
	0	9.4	25.7	8.3	468				
	5	9.4	25.7	8.3	468				
	10	9.3	25.0	8.3	470				
*	15	9.7	21.1	8.3	471				
	20	5.9	17.6	8.1	477				
	25	1.1	14.4	7.7	484				
	30	0	11.8	7.6	488				
	35	0	10.5	7.6	492				

Wind Speed and Direction	Cloud Cover
NW 5-15	Hazy 20%

Macrophyte Sampling Information

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Additional Comments or Remarks

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Prepared By

Date		4-12-95
Lake	BIG CEDAR NORTH BASIN	
County		
Storet Number		
Water Body Number		
Time		1340
Lake Acreage		
Maximum Depth		
Air Temperature		

Station Location

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Light Penetration Station	Secchi Disc Depth in Meters	2.0 m
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Lake Stratification: Sampling for D.O. (ppm) and Temperature (°C)

Unit ft./m	Depth	D.O.	Temp.	pH	COND	TDS	Depth	D.O.	Temp.	pH
	0	12.5	5.0	8.1	.505	.323				
	5	12.4	5.0	8.1	.505	.323				
	10	12.4	4.9	8.2	.505	.323				
	15	12.4	4.9	8.2	.506	.323				
	20	12.4	5.0	8.2	.506	.324				
	25	12.4	5.0	8.2	.505	.324				
	30	12.4	5.0	8.2	.506	.324				
	35	12.3	4.9	8.2	.506	.324				

Wind Speed and Direction	Cloud Cover	100% RAIN
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Macrophyte Sampling Information

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Additional Comments or Remarks

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Prepared By

Date	2-23-75
Lake	Big Cedar North
Time	1450
County	
Storet Number	
Water Body Number	
Lake Acreage	
Maximum Depth	
Air Temperature	

Station Location

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Light Penetration Station	Secchi Disc Depth in Meters
	5.0 m

Lake Stratification: Sampling for D.O. (ppm) and Temperature (°C)

Unit ft./m	Depth	D.O.	Temp.	pH	COND TDS		Depth	D.O.	Temp.	pH
	0	12.5	3.1	8.1	.475	.307				
	5	12.1	4.2	8.1	.553	.354				
	10	12.3	4.2	8.1	.556	.356				
	15	12.1	4.0	8.0	.567	.359				
*	20	10.1	4.0	8.0	.562	.360				
	25	9.4	4.3	7.8	.583	.373				
	30		4.6	7.5	.634	.406				
	<del>35</del>									

Wind Speed and Direction	Cloud Cover
	60%

Macrophyte Sampling Information

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Additional Comments or Remarks

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Prepared By

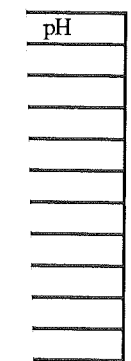
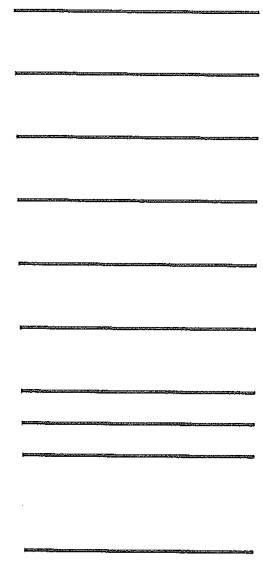


Big CEDAR (NORTH) 9-8-94

14:15

Secchi depth = 1.75

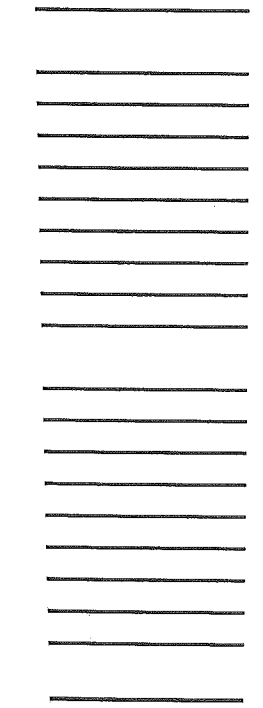
Z	D.O.	T°C	pH	COND	TDS
0	8.6	19.8	8.2	499	.320
5	8.6	19.8	8.2	500	.320
10	8.6	19.7	8.2	500	.320
15	8.4	19.5	8.2	500	.320
20	7.8	19.1	8.1	502	.321
25	7.0	18.8	8.1	504	.323
* 30	1.1	17.8	7.5	528	.338
35	0.1	13.7	7.0	589	.377



Big Cedar (South) 9-9-94

Secchi depth = 2.75m

Z	D.O.	T°C	pH	Cond	TDS
0	9.0	20.0	8.2	491	.314
5	9.0	20.0	8.2	491	.315
10	9.0	20.0	8.3	492	.315
15	9.0	19.9	8.3	492	.315
20	9.0	19.8	8.3	492	.315
25	8.9	19.7	8.3	492	.315
30	7.9	19.1	8.2	495	.317
* 35	3.0	14.1	7.5	520	.333
40	2.7	11.6	7.4	520	.333
45	2.3	10.0	7.4	518	.332
50	2.4	8.2	7.4	516	.330
55	2.4	8.2	7.3	515	.330
60	2.1	7.9	7.3	515	.330
65	1.5	7.7	7.3	516	.330
70	0.9	7.6	7.2	516	.330
75	0.2	7.6	7.2	517	.331
80	0.0	7.4	7.2	517	.331
85	0.0	7.3	7.2	519	.332
90	0.0	7.2	7.2	521	.337
95	0.0	6.9	7.1	523	.341
100	0.0	6.7	7.0	553	.355





Date	4-20-94
Lake	Big Cedar No. Basin
Time	12:20
County	
Storet Number	
Water Body Number	
Station Location	

Light Penetration Station	Secchi Disc Depth in Meters
	2.1

Lake Stratification: Sampling for D.O. (ppm) and Temperature (°C)

Unit ft./m	Depth	D.O.	Temp.	pH
	0	11.6	10.7	11.3
	5	11.7	10.0	11.2
	10	11.7	9.9	11.1
	15	11.7	9.9	11.1
	20	11.7	9.6	10.8
	25	10.9	9.7	10.4
	30	10.7	9.6	10.2
	35	9.7	8.4	9.6

Depth	D.O.	Temp.	pH

Wind Speed and Direction	Cloud Cover
NW 5-10 MPH	100%

Macrophyte Sampling Information

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Additional Comments or Remarks

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Prepared By





12:30  
5-11-93  
6-10-93

BIG CEDAR LIC  
BIG CEDAR - NORTH BASIN

DEPTH	D.O.	T°C	pH	COND	SECCHI	SECCHI
0	11.1	17.0	8.6	468	6 meters	2.2m
5	14.0	18.1	8.6	468		
10	14.0	17.9				
15	13.9	17.5				
20	13.1	17.0				
25	12.3	16.2	8.3	482		
30	10.9	12.9	8.1	493		
35	.1	8.5	8.2	487		
SOUTH						
0	11.8	19.0	8.7	479		2.0m
5	12.0	16.2				
10	12.6	15.6				
15	14.2	8.3				
20	13.7	7.1				
25	11.9	10.1				
30	11.3	5.7				
35	11.0	5.0				
40	10.8	4.9				
45	10.7	4.6				
50	10.8	4.5				
55	10.8	4.2				
60	10.10	4.1				
65	10.7	4.0				
70	10.9	4.0				
75	10.7	4.6				
80	10.7	4.6				
85	10.6	3.9				
90	10.5	3.9				
95	9.7	3.4				
100	5.3	3.8	8.2	488		
105						



Big Cedar Lake  
02 SEP 1992  
time: 10:45  
Northern Sampling Site

98% overcast  
wind south 15-20 mph

Middle 30"  
Bottom 34"

feet depth	temp	DO	pH	cond.						Borzick	Galoreau
SFC	15.5	9.4	8.1	404							
5	15.4	9.2									
10	15.3	9.0									
15	15.1	8.9									
20	15.1	8.9									
25	14.6	8.6									
M 30	13.6	6.0	7.8	367							
B 34	12.1	2.2	7.6	436							
35	9.4	2.1									

Secchi: 9

Southern Sampling Site		10:50		100% overcast							
SFC	15.2	9.6	8.5	390							
5	15.2	9.5									
10	15.2	9.4									
15	15.1	9.3									
20	14.9	9.2									
25	14.7	9.2									
30	14.1	9.2									
35	7.3	9.6									
M 40	5.2	8.1	7.6	399							
45	4.0	7.4									
50	3.5	7.0									
55	2.8	7.1									
60	2.5	6.7									
65	2.1	6.4									
70	2.1	4.8									
75	2.0	4.4									
80	1.8	3.2									
85	1.7	2.9									
90	1.5	2.5									
95	1.5	2.5									
B 100	1.1	2.4	7.6	410							

Secchi: 3m





Big Cedar (North Basin)

6-25-92  
10:00 AM

Z	D.O	T°C	pH	COND	Secchi DISK
					4.25
0	11.8	14.0	8.4	500	
5	10.8	13.9			
10	10.8	13.8			
15	10.4	13.7			
20	9.1	13.2			
* 25	2.7	10.0	8.3	490	
30	2.4	7.8			
35	2.4	7.0	8.1	510	
			<del>8.1</del>	510	

Big Cedar North 4-15-92

Big Cedar South

Depth	D.O.	Temp.	Secchi	Conduct	pH	Depth	D.O.	Temp.	Secchi	Conduct
0	14.0	2.3	2.5m	410	8.5	0	15.4	.5	40m	400
5	13.8	2.3				10	15.4	.5		
10	13.8	2.3				20	15.3	.5		
15	13.8	2.3				30	15.3	.5		
20	13.8	2.3				40	15.2	.5		
25	13.8	2.3				50	15.2	.5		
30	13.8	2.3				60	15.1	.5		
32	13.8	2.3		410	8.6	70	15.0	.5		
						80	15.0	.5		
						90	14.9	.5		
					8.6	95	14.8	.5		400

Comments  
100% cloud cover  
35° F  
wind SE 0-10 mph  
10:40 a.m.

Comments  
100% cloud cover  
35° F  
wind SE 0-15 mph  
11:15 a.m.

Date	2/17/98
Lake	BIG CEDAR LAKE (NORTH BASIN)
Time	2:00
County	WASHINGTON Co.
Lake Acreage	932
Storet Number	6 7 3 2 0 6
Maximum Depth	105 Ft.
Water Body Number	0 0 2 5 3 0 0
Air Temperature	
Station Location	Maximum depth

Light Penetration Station	Secchi Disc Depth in Meters
	2.5 m

Lake Stratification: Sampling for D.O. (ppm) and Temperature (°C)

Unit ft./m	Depth	D.O.	Temp.	pH	COND	Depth	D.O.	Temp.	pH	COND
	0	17.2	0.5	7.8	810					
	5	17.2	1.0							
	10	17.2	1.0							
	15	16.2	1.0							
*	20	13.2	1.0							
	25	9.6	1.0	6.9	890					
	30	6.7	0.75	6.9	900					
	35									
	40									
	45									

Wind Speed and Direction	Cloud Cover
	100%

Macrophyte Sampling Information

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Additional Comments or Remarks

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Prepared By

Bia Cedar E North 3/19/91 D. W. K. / O. V. K. H. S.

Secchi 1.75 m

≈ 11:45 A.M.

<u>Depth</u>	<u>Temp</u>	<u>D.O</u>
0	20.8	8.3
5	20.8	8.2
10	20.8	8.1
15	20.8	8.0
20	19	5.5
X 25	17	0.55
30	12	0.45
35	10	0.45
40	9.5	0.4





Date		4-18-91	
Lake	BIG CEDAR LAKE (NORTH BASIN)	Time	12:00
County	WASHINGTON Co.	Lake Acreage	932
Storet Number	6 7 3 2 0 6	Maximum Depth	<del>105 ft</del>
Water Body Number	0 0 2 5 3 0 0	Air Temperature	
Station Location	Maximum depth 37'		

Light Penetration Station	Secchi Disc Depth in Meters
	1.75 m

Lake Stratification: Sampling for D.O. (ppm) and Temperature (°C)

Unit ft./m	Depth	D.O.	Temp.	pH	COND	Depth	D.O.	Temp.	pH
	0	11.7	8.8						
	5	11.7	8.5						
	10	11.8	8.1						
	15	11.9	8.1						
	20	10.7	8.0						
	25	10.5	6.9						
	30	10.3	6.9						
	34	9.6	6.9						

Wind Speed and Direction	Cloud Cover
0-7 mph NE	80%

Macrophyte Sampling Information

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Additional Comments or Remarks

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Prepared By  
B. WAKEMAN, R. McLENNAN



Date		2-26-91	
Lake		BIG CEDAR LAKE (NORTH BASIN)	
County		WASHINGTON Co.	
Storet Number		6 7 3 2 0 6	
Water Body Number		0 0 2 5 3 0 0	
Time		10:30	
Lake Acreage		932	
Maximum Depth		105 Ft.	
Air Temperature			

Station Location  
Maximum depth

Light Penetration Station	Secchi Disc Depth in Meters
	3.0 m

Lake Stratification: Sampling for D.O. (ppm) and Temperature (°C)

Unit ft./m	Depth	D.O.	Temp.	pH	COD	Depth	D.O.	Temp.	pH
	0	14.4	3	7.7	321				
	5	14.3	3.0						
	10	12.6	3.0						
*	15	10.0	2.1	7.7	342				
	20	7.5	2.1						
	25	6.2	2.0						
	30	6.2	2.5						
	35	1.6	2.4						
	37	1.2	2.6	7.6	412				

Wind Speed and Direction	Cloud Cover
	40%

Macrophyte Sampling Information

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Additional Comments or Remarks

18" thick 10° snow cover

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Prepared By  
B. WAKEMAN, E. BLISS

	Date 6-26-80
Lake Big Cedar (North)	Time 14:20
County	Lake Acreage
Storet Number	Maximum Depth 37 ft
Water Body Number	Air Temperature 27°C
Station Location	

Light Penetration Station	Secchi Disc Depth in Meters 2.0M
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Lake Stratification: Sampling for D.O. (ppm) and Temperature (°C)

Unit ft./m	Depth	D.O.	Temp.	pH	Depth	D.O.	Temp.	pH
	0	8.9	22					
	5	9.0	22					
	10	8.8	22					
	15	8.3	20					
	20	7.6	19					
Mid →	25	4.5	16					
Sample	30	0.7	14					
Bottom	35	0.5	12					
57'	40	0.4	11					
	45							

Wind Speed and Direction W - 15 mph	Cloud Cover 20%
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Macrophyte Sampling Information

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Additional Comments or Remarks

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Prepared By  
Shondan + Malter



Date		8-21-89
Lake		BIG CEDAR S.B.
County		
Storet Number		
Water Body Number		
Station Location		
Time		11:00
Lake Acreage		
Maximum Depth		
Air Temperature		

Light Penetration Station	Secchi Disc Depth in Meters	2 M
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Lake Stratification: Sampling for D.O. (ppm) and Temperature (°C)

Unit  
ft./m

Depth	D.O.	Temp.	pH	
0	8.4	23	8.85	450
5	8.4	22.5		
10	8.2	22		
* 15	7.8	22	8.8	440
20	2.2	20.5		
25	0.5	16		
30	0.4	13.2		
35	0.4	11.5		
38	0.4	11.0	7.75	510

Depth	D.O.	Temp.	pH

Wind Speed and Direction	Cloud Cover	0%
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Macrophyte Sampling Information

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Additional Comments or Remarks

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Prepared By

	Date	7-25-89
Lake	Time	13:11
County	Lake Acreage	
Storet Number	Maximum Depth	
Water Body Number	Air Temperature	
Station Location SHALLOW BASIN		

Light Penetration Station	Secchi Disc Depth in Meters	1.6 m
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Lake Stratification: Sampling for D.O. (ppm) and Temperature (°C)

Unit ft./m	Depth	D.O.	Temp.	pH	COND	Depth	D.O.	Temp.	pH
	0	9.2	25.2	7.9	480				
	5	9.2	24.4						
	10	9.1	22.3						
	15	7.2	20.9						
	20	4.5	19.1						
*	25	3.8	13.8	7.75	500				
	30	0.4	11.7						
	34	0.3	10.9	7.7	490				

Wind Speed and Direction	Cloud Cover	30 %
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Macrophyte Sampling Information

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Additional Comments or Remarks

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Prepared By  
WAKEMAN / KATONIA

Date	6-27-87
Lake	Big Cedar LK
Time	12:30
County	WASH
Storet Number	
Water Body Number	
Lake Acreage	
Maximum Depth	
Air Temperature	

Station Location SHALLOW BASIN

Light Penetration Station	Secchi Disc Depth in Meters
	2.9

Lake Stratification: Sampling for D.O. (ppm) and Temperature (°C)

Unit ft./m	Depth	D.O.	Temp.	pH	
⊗	0	10.6	25.2	8.3	500
	5	10.0	24.7		
	10	10.1	25.9		
⊗	15	9.4	18.2	8.3	505
	20	5.9	16.4		
	25	0.6	13.2		
	30	0.4	11.0		
⊗	35	0.3	10.3	7.9	550

Wind Speed and Direction	Cloud Cover
	20%

Macrophyte Sampling Information

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Additional Comments or Remarks

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Prepared By

Date		4-26-89
Lake	BIG CEDAR LAKE - SHALLOW BASIN	
County	WASHINGTON Co.	
Storet Number	6 7 3 2 0 6	Time
Water Body Number	0 0 2 5 3 0 0	Lake Acreage
		932
		Maximum Depth
		105 Ft.
		Air Temperature

Station Location  
Maximum depth

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Light Penetration Station	Secchi Disc Depth in Meters
	1.6 m

Lake Stratification: Sampling for D.O. (ppm) and Temperature (°C)

Unit ft./m	Depth	D.O.	Temp.	pH	COND	Depth	D.O.	Temp.	pH
	0	11.7	11.4	7.85	378				
	5	11.7	11.2						
	10	11.7	11.1						
	15	11.4	11.0						
	20	10.4	8.9						
	25	8.9	8.0						
	30	8.1	7.8						
	35	7.7	7.4	7.7	359				

Wind Speed and Direction	Cloud Cover
0-5 NE	20%

Macrophyte Sampling Information

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Additional Comments or Remarks

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Prepared By BO + TA

	Date 2-23-89
Lake BIG CEDAR	Time 1:30
County	Lake Acreage
Storet Number	Maximum Depth
Water Body Number	Air Temperature
Station Location SHALLOW BASIN	

Light Penetration Station	Secchi Disc Depth in Meters 3.4
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Lake Stratification: Sampling for D.O. (ppm) and Temperature (°C)

Unit ft./m	Depth	D.O.	Temp.	pH	CODP	Depth	D.O.	Temp.	pH
*	0	14.6	1.5	7.85	295				
	5	14.2	4.0						
	10	14.2	4.0						
	15	11.0	4.2						
	20	7.6	4.4						
*	25	7.0	4.3	7.72	320				
	30	7.0	4.2						
*	35	5.2	4.5	7.6	350				

Wind Speed and Direction	Cloud Cover 0%
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Macrophyte Sampling Information

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Additional Comments or Remarks

Ice 0.4  
Snow 100% 4.5 IN

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Prepared By  
WAKEMAN / J. ARTIN



608  
267  
2800

Date	16 Aug 88
Lake	Big Cedar - Shallow
Time	11:15
County	Washington
Lake Acreage	
Storet Number	673206
Maximum Depth	35'
Water Body Number	0025300
Air Temperature	85°F
Station Location	<del>200</del> Basin (SHALLOW BASIN)

Light Penetration Station	Secchi Disc Depth in Meters
	1.5 m

Lake Stratification: Sampling for D.O. (ppm) and Temperature (°C)

Unit ft./m	Depth	D.O.	Temp.	pH		Depth	D.O.	Temp.	pH
*	0	8.7	28		480				
	5	8.4	28						
	10	4.3	27.5						
	15	7.5	27.0						
	20	2.4	21.0		450				
*	25	0.3	19.0						
	30	0.3	14.5						
*	33	0.3	14.0		510				

Wind Speed and Direction	0.5 SW	Cloud Cover	10% haze
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Macrophyte Sampling Information

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Additional Comments or Remarks

Oscillatoria present in zooplankton tow

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Prepared By

SP Moore / B. Wakeman

Lake <i>B. CEDAR</i>	Date <i>7-12-88</i>
County <i>WASH</i>	Time <i>9:15</i>
Storet Number -----	Lake Acreage
Water Body Number -----	Maximum Depth
Station Location <i>S. B (SHALLOW BASIN)</i>	Air Temperature
Light Penetration Station	Secchi Disc Depth in Meters <i>2.5</i>

Lake Stratification: Sampling for D.O. (ppm) and Temperature (°C)

Unit ft./m	Depth	D.O.	Temp.	pH	COND	Depth	D.O.	Temp.	pH
*	0	8.2	25.0	8.8	400				
	5	8.2	25.0						
	10	8.2	25.0						
	15	7.9	23.0						
*	20	5.3	21.3	8.6	390				
	25	0.2	17.9						
	30	0.1	12.9						
	35	0.1	10.7						
	<del>40</del>		<del>10.3</del>						
*	37	0.1	10.3	7.85	430				

Wind Speed and Direction	Cloud Cover <i>65%</i>
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Macrophyte Sampling Information

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Additional Comments or Remarks

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Prepared By *WARRINGTON/WARRINGTON*

Date		6-1-88	
Lake	BIG CEDAR LAKE	Time	10:05
County	WASHINGTON Co.	Lake Acreage	932
Storet Number	6 7 3 2 0 6	Maximum Depth	105 Ft.
Water Body Number	0 0 2 5 3 0 0	Air Temperature	
Station Location	<del>Maximum depth</del> shallow basin		

Light Penetration Station	Secchi Disc Depth in Meters	3.1
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Lake Stratification: Sampling for D.O. (ppm) and Temperature (°C)

Unit ft./m	Depth	D.O.	Temp.	pH		Depth	D.O.	Temp.	pH
X	0	9.7	23.7	8.2	396				
	5	9.8	23.5						
	10	9.7	22.4						
	15	8.6	19.2						
X	20	7.4	17.0						
	25	5.0	11.0	8.0	400				
	30	1.1	10.2						
X	35	0.2	9.2						
	40	0.2	9.2	7.9	420				

Wind Speed and Direction	W 0-5	Cloud Cover	0%
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Macrophyte Sampling Information

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Additional Comments or Remarks

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Prepared By Wobert/Waxman

Date	4-13-88
Lake	BIG CEDAR
Time	11:15
County	
Lake Acreage	
Storet Number	
Maximum Depth	
Water Body Number	
Air Temperature	
Station Location	SHALLOW

Light Penetration Station	Secchi Disc Depth in Meters
	2.3m

Lake Stratification: Sampling for D.O. (ppm) and Temperature (°C)

Unit ft./m	Depth	D.O.	Temp.	pH		Depth	D.O.	Temp.	pH
*	0	11.7	10.0	7.3	400				
	5	11.7	9.9						
	10	11.7	9.9						
	15	11.7	9.9						
	20	11.5	9.5						
	25	11.3	8.7						
	30	10.7	8.0						
*	34	10.4	7.6	7.3	400				

Wind Speed and Direction	Cloud Cover
	40%

Macrophyte Sampling Information

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Additional Comments or Remarks

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Prepared By  
W. K. E. MAN / KOSOURSK

Date		2-15-88
Lake <del>B. CEDAR LAKE</del> BROWNS LAKE SHALLOW BASIN		Time 12:30
County RACINE CO.		Lake Acreage 396.
Storet Number 5 2 3 1 2 0		Maximum Depth 44 Ft.
Water Body Number 0 7 5 0 3 0 0		Air Temperature
Station Location Maximum depth		

Light Penetration Station	Secchi Disc Depth in Meters 3.0 m
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Lake Stratification: Sampling for D.O. (ppm) and Temperature (°C)

Unit ft./m	Depth	D.O.	Temp.	pH	COND	Depth	D.O.	Temp.	pH
*	0	13.05	2.0	7.5	330				
	5	12.4	4.0						
	10	11.2	4.0						
	15	10.0	3.9						
	20	9.3	3.8						
*	25	6.4	3.2	7.3	370				
	30	3.0	3.0						
*	35	2.2	3.0	7.1	440				
	<del>40</del>								

Wind Speed and Direction NW 5-15 MPH	Cloud Cover 0%
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Macrophyte Sampling Information

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Additional Comments or Remarks

ICE DEPTH 0.3 M SNOW COVER 2-4" 100%  
OF LAKE

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Prepared By  
Waxman

Date 8-18-87	
Lake B. CEDAR (NORTH BASIN)	Time 1:30
County	Lake Acreage
Storet Number	Maximum Depth
Water Body Number	Air Temperature
Station Location	

Light Penetration Station	Secchi Disc Depth in Meters 1.7
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Lake Stratification: Sampling for D.O. (ppm) and Temperature (°C)

Unit ft./m	Depth	D.O.	Temp.	pH		Depth	D.O.	Temp.	pH
*	0	8.0	24.0	8.8	345				
	5	8.0	24.0						
	10	8.0	24.0						
	15	8.1	24.0						
	20	8.1	24.0						
*	25	0.2	18.5	7.7	433				
	30	0.1	15.0						
*	35	0.0	12.5	7.6	420				

Wind Speed and Direction S 0-10	Cloud Cover 100%
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Macrophyte Sampling Information

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Additional Comments or Remarks

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Prepared By

Date	21 July, 1987
Lake	BIG CEDAR L. (SHALLOW BASIN)
County	WASH
Storet Number	-----
Water Body Number	-----
Time	
Lake Acreage	
Maximum Depth	
Air Temperature	

Station Location

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Light Penetration Station	Secchi Disc Depth in Meters
	1.7M WS 2890AS

Lake Stratification: Sampling for D.O. (ppm) and Temperature (°C)

Unit ft./m	Depth	D.O.	Temp.	pH		Depth	D.O.	Temp.	pH
*	1	7.8	26.8	8.5	395				
	5	7.9	26.7						
	10	7.6	25.2						
	15	7.1	25.2						
	20	4.5	22.3						
*	25	0.4	17.2	7.85	460				
	30	0.10	13.5						
36.0*	35	0.10	11.8	7.7	480				
	40	0.10	11.8						

Wind Speed and Direction	Cloud Cover
SW	0%

Macrophyte Sampling Information

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Additional Comments or Remarks

Warm water on N. BASIN

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Prepared By

WAKEMAN/WAWRZYN

Date		6-2-87
Lake	Time	2:04
Big Cedar 2	Lake Acreage	
County	Maximum Depth	
WASH	Air Temperature	
Storet Number		
Water Body Number		
Station Location	SHALLOW BASIN	

Light Penetration Station	Secchi Disc Depth in Meters	3.9
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Lake Stratification: Sampling for D.O. (ppm) and Temperature (°C)

Unit ft./m	Depth	D.O.	Temp.	pH		Depth	D.O.	Temp.	pH
*	0	9.6	24.1	8.3	430				
	5	9.6	24.1						
	10	9.3	23.1						
*	15	8.8	20.2	8.1	452				
	20	7.0	16.5						
	25	1.9	13.9						
	30	0.2	11.0						
*	35	0.1	10.2	7.9	476				

Wind Speed and Direction	Cloud Cover	60%
NW 0-7		

Macrophyte Sampling Information

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Additional Comments or Remarks

DIST. SEDIMENT WHILE TAKING BOTTOM SAMPLE

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Prepared By



Ambient

**DNR BASELINE MONITORING**

Lake Name Big Cedar Date 02 / 28 / 01 Time \_\_\_\_\_

Sample Location (e.g., deepest point in basin) \_\_\_\_\_

WBIC 00 25300 % Cloud Cover/Precip \_\_\_\_\_

Observers Callen Wind Speed \_\_\_\_\_ mph from \_\_\_\_\_ Direction  
Wakeman **SOUTH**

**Field Measurements and Observations**

Secchi Disk \_\_\_\_\_ (m or ft) Custer Color Strip Reading \_\_\_\_\_

Algae Development – Not apparent \_\_\_\_\_  
Slight (just visible) \_\_\_\_\_  
Moderate (quite noticeable) \_\_\_\_\_  
Heavy (very green) \_\_\_\_\_  
Site depth \_\_\_\_\_ (m or ft)  
pH at 1 meter 8.81

**Profiles**

Depth ft or m	DO mg/L	Temp °C	Cond µS	Depth ft or m	DO mg/L	Temp °C	Cond µS	Depth ft or m	DO mg/L	Temp °C	Cond µS
- 0.4	12.0	0.88	483	49.5	9.54	2.46	487	95.1	1.18	3.05	505
3.4	11.09	2.51	482	53.6	9.60	2.53	486				
7.6	10.88	2.50	483	58.5	9.83	2.57	486				
13.3	10.91	2.49	482	63.0	9.71	2.58	487				
18.1	9.91	2.49	483	68.2	9.38	2.59	488				
23.4	9.98	2.43	484	74.1	8.25	2.58	492				
28.7	9.77	2.42	485	78.1	6.92	2.61	493				
33.8	9.70	2.41	486	82.6	5.70	2.70	495				
38.3	9.49	2.42	486	88.3	4.73	2.85	499				
42.8	9.81	2.47	485	94.2	1.89	3.05	506				

Meter Type and ID Number(s) \_\_\_\_\_

**Water Samples**

Depth of Integrated Water Sample \_\_\_\_\_ m or ft SLH Field Number \_\_\_\_\_

Amount filtered for chlorophyll \_\_\_\_\_ mLs

**Comments / Observations**

Big Cedar Lake - South Basin  
7-28-98

TEMP	pH	SpCOND	TDS	DO	DEPTH
24.54	8.03	436	0.279	8.77	1
24.55	8.04	436	0.279	8.72	5
24.54	8.05	436	0.279	8.7	10
24.54	8.06	436	0.279	8.74	15
24.51	8.07	436	0.279	8.73	20
21.95	7.98	445	0.285	10.58	25
14.05	7.91	459	0.294	9.91	30
10.27	7.68	461	0.295	7.65	35
8.4	7.54	461	0.295	6.53	40
7.74	7.51	460	0.294	6.24	45
7.16	7.47	459	0.294	5.99	50
6.82	7.44	458	0.293	5.66	55
6.52	7.4	457	0.293	5.41	60
6.41	7.38	458	0.293	5.3	65
6.29	7.36	458	0.293	4.95	70
6.22	7.33	458	0.293	4.22	75
6.14	7.26	461	0.295	2.2	80
6.07	7.22	463	0.296	0.87	85
6.03	7.2	464	0.297	0.35	90
5.96	7.18	465	0.298	0.17	95
5.69	7.03	496	0.318	0.15	100

SD = 3.0 m

Big Cedar Lake (South Basin)  
7-2-98

Temp	pH	SpCond	TDS	DO	Depth
25.22	8.53	437	0.28	8.62	1
25.21	8.55	438	0.28	8.62	5
25.17	8.56	438	0.28	8.64	10
25.14	8.56	438	0.28	8.63	15
21.1	8.57	443	0.284	11.3	20
17.4	8.56	452	0.289	10.93	25
13.68	8.42	458	0.293	9.7	30
10.71	8.26	457	0.292	9.21	35
8.83	8.1	457	0.293	8.42	40
7.79	8.01	457	0.293	7.94	45
7.15	7.94	457	0.293	7.57	50
6.78	7.93	457	0.292	7.71	55
6.56	7.92	456	0.292	7.78	60
6.41	7.9	455	0.291	7.66	65
6.32	7.82	456	0.292	6.94	70
6.19	7.82	454	0.291	7.03	75
6.13	7.75	456	0.292	6.06	80
6.08	7.68	457	0.293	4.75	85
5.97	7.56	461	0.295	1.89	90
5.89	7.51	463	0.297	0.49	95
5.74	7.43	469	0.3	0.21	100

SECCH DEPTH = 3.0 m

Big Cedar Lake South Basin  
4/1/98

TEMP.	pH	SpCond	TDS	DO	Depth
4.57	8.44	451	0.288	13.32	1
4.55	8.47	451	0.289	13.12	10
4.51	8.47	452	0.289	13.03	20
4.36	8.47	452	0.29	13	30
4.32	8.46	452	0.29	13.03	40
4.34	8.47	452	0.289	13.08	50
4.25	8.47	452	0.289	13.03	60
4.24	8.46	452	0.289	13.06	70
4.23	8.46	452	0.289	13.02	80
4.24	8.46	452	0.289	13.07	90
4.21	8.46	453	0.29	13.02	100

Date	7-28-77
Lake	Bib Cedar South
Time	1545
County	
Storet Number	
Water Body Number	
Maximum Depth	
Air Temperature	

Station Location

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Light Penetration Station	Secchi Disc Depth in Meters
	4.9m

Lake Stratification: Sampling for D.O. (ppm) and Temperature (°C)

Unit ft./m	Depth	D.O.	Temp.	pH	COND	TDS	Depth	D.O.	Temp.	pH	COND	TDS
	1	8.8	25.1	8.5	489	.313	50	6.1	9.9	7.8	509	.326
	5	8.9	25.1	8.5	489	.313	55	5.6	8.9	7.8	507	.325
	10	8.9	25.1	8.5	489	.313	60	5.2	8.3	7.7	507	.324
	15	9.1	24.5	8.5	409	.313	65	4.8	7.9	7.7	506	.324
	20	8.9	24.4	8.5	490	.314	70	4.0	7.6	7.6	505	.324
	25	8.9	21.1	8.4	499	.319	75	3.1	7.3	7.6	505	.323
*	30	8.8	16.7	8.3	510	.326	80	2.9	7.1	7.6	505	.323
	35	8.4	13.4	8.1	512	.328	85	0.8	7.0	7.5	507	.325
	40	6.9	11.4	8.0	512	.327	90	0.2	6.9	7.5	508	.325
	45	6.5	10.6	7.9	510	.326	95	0.2	6.7	7.4	509	.326
							100	0.1	6.5	7.4	517	.331

Wind Speed and Direction	Cloud Cover
	80%

Macrophyte Sampling Information

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Additional Comments or Remarks

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Prepared By

Date	7-1-97
Lake	Big Cedar South
Time	1138-1200
County	WA
Storet Number	-----
Water Body Number	-----
Lake Acreage	
Maximum Depth	
Air Temperature	

Station Location

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Light Penetration Station	Secchi Disc Depth in Meters
	6.4 m

Lake Stratification: Sampling for D.O. (ppm) and Temperature (°C)

Unit	Depth	D.O.	Temp.	pH	COND	Depth	D.O.	Temp.	pH	COND
BCS1	0	9.07	25.61	8.34	499	50	8.16	9.84	7.93	506
	5	9.20	24.96	8.36	500	55	8.06	9.02	7.87	505
	10	9.24	24.68	8.37	501	60	7.54	8.37	7.80	504
	15	9.28	24.60	8.37	499	65	6.82	7.77	7.72	505
	20	10.74	21.33	8.39	504	70	6.35	7.44	7.68	504
BCS2	25	10.11	17.10	8.25	510	75	5.67	7.24	7.62	504
	30	10.06	13.67	8.18	509	80	5.31	7.04	7.58	504
	35	9.73	12.20	8.12	508	85	4.45	6.91	7.54	505
	40	9.06	11.37	8.05	508	90	3.74	6.80	7.50	505
	45	8.34	10.61	7.96	507	95	2.12	6.58	7.45	507

Wind Speed and Direction	Cloud Cover
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Macrophyte Sampling Information

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Additional Comments or Remarks

sample depth @ 0 BCS1  
20 BCS2 FT  
95 BCS3

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Prepared By

Date	5/6/97
Lake	Big CEDAR SO
Time	1200
County	
Storet Number	
Water Body Number	
Lake Acreage	
Maximum Depth	
Air Temperature	

Station Location

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Light Penetration Station	Secchi Disc Depth in Meters
	2.7 m

Lake Stratification: Sampling for D.O. (ppm) and Temperature (°C)

Unit ft./m	Depth	D.O.	Temp.	pH	COND	TDS	Depth	D.O.	Temp.	pH	COND	TDS
	0	11.9	8.3	8.3	497	.318	50	11.4	7.4	8.2	497	.318
	5	11.7			"	"		11.4	7.3	8.2	"	"
	10	11.8	8.2	8.3	496	"	60	11.2	6.6	8.2	"	"
	15	11.7	8.2	8.3	"	"		11.2	6.5	8.2	"	"
	20	11.8	8.1	8.3	"	"	70	11.2	6.4	8.1	"	"
	25	11.8	8.1	8.3	"	"		11.0	6.2	8.1	"	"
	30	11.7	8.1	8.3	497	.318	80	11.0	6.2	8.1	"	"
		11.5	7.7	8.2	"	"		10.9	6.1	8.1	"	"
	40	11.6	7.6	"	"	"	90	10.6	5.7	8.1	"	"
		11.5	7.5	8.2	"	"		10.5	5.6	8.1	"	"
							100	10.5	5.6	8.1	"	"

Wind Speed and Direction	Cloud Cover
	10%

Macrophyte Sampling Information

105

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Additional Comments or Remarks

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Prepared By

Date	3/3/97
Lake	BIG CEDAR SOUTH BASIN
Time	1134
County	
Storet Number	
Water Body Number	
Station Location	

Light Penetration Station	Secchi Disc Depth in Meters
	4.8 m

Lake Stratification: Sampling for D.O. (ppm) and Temperature (°C)

Unit ft./m	Depth	D.O.	Temp.	pH	COND	TDS	Depth	D.O.	Temp.	pH	COND	TDS			
	0	14.7	1.1	7.8	No DATA	No DATA	* 50	11.8	2.3	7.8	No DATA	No DATA			
	5	12.4	2.3					55	11.7						
	10	12.1	2.3					60	11.5						
	15	12.0	2.3					65	11.4						
	20	12.0	2.3					70	11.3	2.4					
	25	11.9	2.3					75	10.7				7.7		
	30	11.9	2.3					80	10.5				7.6		
	35	11.9						85	9.4				7.5		
	40	11.9						90	9.2	2.5			7.5		
	45	11.9						95	6.0	2.7			7.4		

Wind Speed and Direction	Cloud Cover

Macrophyte Sampling Information

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Additional Comments or Remarks

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Prepared By D. HULSEC



Date	8-27-96
Lake	Big Crow South
Time	1030
County	
Storet Number	
Water Body Number	
Lake Acreage	
Maximum Depth	
Air Temperature	

Station Location

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Light Penetration Station	Secchi Disc Depth in Meters
	2.4 m / 8.0 FT

Lake Stratification: Sampling for D.O. (ppm) and Temperature (°C)

Unit ft./m	Depth	D.O.	Temp.	pH		Depth	D.O.	Temp.	pH		
	1	8.0	23.1	8.5	454	50	4.3	8.2	7.5	497	.319
	5	8.0	23.1	8.5	454	55	4.0	7.8	7.5	497	
	10	8.0	23.1	8.5	454	60	3.8	7.5	7.5	496	.317
	15	8.0	23.1	8.5	454	65	3.2	7.2	7.4	498	
	20	8.0	23.1	8.5	454	70	1.9	7.0	7.4	499	.319
*	25	4.8	17.2	7.8	493	75	1.0	7.0	7.4	499	
	30	4.2	13.6	7.7	500	80	0.2	6.9	7.3	500	.320
	35	3.6	11.6	7.6	502	85	0.1	6.8	7.3	503	
	40	3.0	10.0	7.5	500	90	0.1	6.6	7.3	510	.324
	45	4.1	9.1	7.5	498	95	0.1	6.4	7.3	516	.330
						100					

Wind Speed and Direction	Cloud Cover

Macrophyte Sampling Information

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Additional Comments or Remarks

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Prepared By

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Date	7-24-96
Lake	Big Crow Lake
Time	12:30
County	
Storet Number	
Water Body Number	
Maximum Depth	
Air Temperature	
Station Location	

Light Penetration Station	Secchi Disc Depth in Meters
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Lake Stratification: Sampling for D.O. (ppm) and Temperature (°C)

Unit ft./m	Depth	D.O.	Temp.	pH	Cond	TDS
	0	9.2	22.9	8.2	465	.298
	5	9.2	22.9	8.2	465	.298
	10	9.2	22.6	8.2	465	.298
	15	9.2	22.6	8.2	465	.298
	20	8.8	22.2	8.2	466	.299
*	25	6.7	16.9	7.9	497	.318
	30	6.2	14.2	7.7	501	.321
	35	6.2	12.2	7.7	505	.323
	40	6.0	10.9	7.6	505	.323
	45	6.0	9.8	7.5	504	.322
	50	6.3	8.8	7.5	503	.322
	55	6.2	8.1	7.5	501	.321
	60	6.3	7.6	7.5	501	.321
	65	5.8	7.3	7.4	501	.320
	70	5.6	7.2	7.4	501	.320
	75	4.8	7.0	7.4	502	.321
	80	3.7	7.0	7.3	503	.322
	85	2.8	6.8	7.3	503	.322
	90	1.5	6.8	7.2	505	.323
	95	0.2	6.7	7.2	508	.326
	100	0.1	6.4	7.1	517	.338

Wind Speed and Direction	WSW 5-10	Cloud Cover	30%
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Macrophyte Sampling Information

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Additional Comments or Remarks

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Prepared By \_\_\_\_\_

Date		6-27-96
Lake	BIG CEDAR SOUTH BASIN	
County	Lake Acreage	
Storet Number	Maximum Depth	
Water Body Number	Air Temperature	
Station Location		
Light Penetration Station		
		Secchi Disc Depth in Meters 4.3 m

Lake Stratification: Sampling for D.O. (ppm) and Temperature (°C)

Unit (ft./m)	Depth	D.O.	Temp.	pH	COND	TDS	Depth	D.O.	Temp.	pH	COND	TDS
	SURF	9.81	22.08	8.2	418	268	50	7.86	8.98	7.7	439	281
	5	9.80	22.10	8.2	418	268	55	7.51	8.12	7.7	438	280
	10	9.84	22.05	8.2	418	268	60	7.13	7.63	7.6	438	280
	15	9.77	21.44	8.2	419	269	65	6.60	7.34	7.6	438	280
	20	8.62	15.88	8.1	432	276	70	6.66	7.16	7.6	438	280
	25	8.29	14.80	8.0	433	277	75	6.77	7.02	7.5	437	280
	30	8.33	13.59	8.0	436	280	80	5.22	6.89	7.5	438	280
	35	8.37	12.01	7.9	440	281	85	4.52	6.81	7.4	439	281
	40	8.02	10.41	7.8	440	282	90	3.92	6.70	7.4	439	281
	45	7.84	9.84	7.8	439	281	95	0.62	6.58	7.3	441	283
							100	0.10	6.49	7.2	443	283

Wind Speed and Direction	Cloud Cover
SW 10-15 mph	0%

Macrophyte Sampling Information

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Additional Comments or Remarks

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Prepared By TG

Date	5-7-76
Lake	Big Cedar Se
Time	1200
County	
Storet Number	
Water Body Number	
Lake Acreage	
Maximum Depth	
Air Temperature	

Station Location

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Light Penetration Station	Secchi Disc Depth in Meters
	3.6 m

Lake Stratification: Sampling for D.O. (ppm) and Temperature (°C)

Unit ft./m	Depth	D.O.	Temp.	pH	COND	TDS	Depth	D.O.	Temp.	pH	COND	TDS
	1	11.7	8.6	8.0	435	.278	50	11.1	7.4	8.0	434	.278
	5						55	10.9	7.1	8.0		
	10	11.7	8.2	8.1	434		60	10.9	7.0	8.0		
	15	11.6	8.1	8.1			65	10.7	6.8	8.0		
	20	11.6	8.0	8.1			70	10.7	6.7	8.0		
	25	11.5	7.8	8.1			75	10.6	6.6	7.9		
	30	11.5	7.7	8.1			80	10.3	6.5	7.9		
	35	11.5	7.7	8.1			85	10.2	6.5	7.9	435	
	40	11.4	7.7	8.1			90	10.1	6.4	7.9	434	
	45	11.3	7.5	8.0			95	9.7	6.3	7.9	435	

Wind Speed and Direction	SE 0-7 MPH	Cloud Cover	90%
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Macrophyte Sampling Information

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Additional Comments or Remarks

SPRING TURNOVER SAMPLING

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Prepared By

Big Cedar Lake, Washington Co.  
Sample Date: 2/20/96  
Sample Location: South Basin

	Temp.	pH	SpCond	TDS	DO	Depth
142942	0.95	8.04	0.439	0.281	12.1	1
143037	2.89	8.05	0.443	0.283	11.94	10
143115	2.89	8.06	0.442	0.283	11.94	20
143139	2.89	8.06	0.442	0.283	11.93	30
143204	2.89	8.06	0.442	0.283	11.93	40
143237	2.88	8.06	0.443	0.283	11.8	50
143305	2.78	7.99	0.447	0.286	11.07	60
143540	2.8	7.94	0.449	0.288	10.25	70
143727	2.86	7.89	0.451	0.289	9.37	80
144200	2.9	7.74	0.454	0.291	6.89	90
144652	3.2	7.55	0.462	0.296	1.89	100

SECCN1 = 7.0 m

\* No mid sample

Date	8-23-95
Lake	Big Cedar Lk (So.)
Time	1100
County	
Storet Number	
Water Body Number	
Lake Acreage	
Maximum Depth	
Air Temperature	

Station Location

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Light Penetration Station	Secchi Disc Depth in Meters
	2.3 meters

Lake Stratification: Sampling for D.O. (ppm) and Temperature (°C)

Unit ft./m	Depth	D.O.	Temp.	pH	COND	TDS	Depth	D.O.	Temp.	pH	COND	TDS
	0	8.5	25.7	7.2	430	.276	50	4.15	7.7	7.4	457	.293
	5	8.5	25.7	7.25	431	.276	55	4.3	7.0	7.35	455	.292
	10	8.5	25.7	7.3	431	.276	60	4.2	6.6	7.3	456	.291
	15	8.5	25.7	7.3	431	.276	65	4.1	6.4	7.3	455	.291
	20	8.5	25.6	8.2	431	.276	70	3.7	6.2	7.3	455	.291
	25	6.8	21.8	8.0	454	.290	75	2.6	6.1	7.2	456	.292
*	30	7.4	16.9	7.9	460	.294	80	0.05	6.0	7.15	460	.293
	35	6.7	12.8	7.7	460	.294	85	0	6.0	7.1	460	.294
	40	4.8	10.0	7.5	459	.294	90	0	5.9	7.13	461	.295
	45	4.2	8.7	7.4	460	.293	95	0	5.8	7.1	469	.300
							100	0	5.7	7.0	493	.319

Wind Speed and Direction	Cloud Cover
	none

Macrophyte Sampling Information

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Additional Comments or Remarks

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Prepared By

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Date	7-25-95
Lake	BIG CEDAR LAKE (SOUTH)
Time	11:00
County	
Storet Number	
Water Body Number	
Lake Acreage	
Maximum Depth	
Air Temperature	

Station Location

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Light Penetration Station	Secchi Disc Depth in Meters
	4.5 m

Lake Stratification: Sampling for D.O. (ppm) and Temperature (°C)

Unit ft./m	Depth	D.O.	Temp.	pH	COND	TDS	Depth	D.O.	Temp.	pH	COND	TDS
	0	8.76	25.45	8.42	453	.290	55	6.5	6.8	7.9	460	.294
	5	8.77	25.38	8.43	453	.290	60	6.3	6.5	7.9	460	.294
	10	8.77	25.25	8.43	453	.290	65	5.9	6.3	7.9	459	.294
	15	8.79	25.17	8.44	453	.290	70	5.0	6.1	7.8	460	.294
	20	8.50	24.46	8.42	455	.291	75	4.6	6.0	7.8	460	.294
	25	8.77	20.10	8.39	462	.295	80	3.2	6.0	7.7	461	.295
*	30	9.4	15.8	8.3	462	.296	85	1.4	5.9	7.7	463	.296
	35	9.3	11.8	8.3	462	.296	90	0.2	5.9	7.6	465	.298
	40	7.5	9.4	8.1	463	.297	95	0.0	5.7	7.6	470	.301
	45	6.6	8.0	8.0	461	.296	100	—	—	—	—	—
	50	6.6	7.4	8.0	460	.295						

Wind Speed and Direction	SSW 5-10 mph	Cloud Cover	0%
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Macrophyte Sampling Information

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Additional Comments or Remarks

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Prepared By

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Date	6-19-95
Lake	BIG CEDAR SO BASIN
Time	12:30
County	
Storet Number	
Water Body Number	
Station Location	

Light Penetration Station	Secchi Disc Depth in Meters
	3.6

Lake Stratification: Sampling for D.O. (ppm) and Temperature (°C)

Unit ft./m	Depth	D.O.	Temp.	pH	COND	TSS	Depth	D.O.	Temp.	pH	COND	TSS
	0	9.2	24	8.3	479	1.308	50	8.9	6.9	8.0	471	.301
	5	9.2	23.9	8.3	479	1.307	55	8.9	6.6	8.0	470	.301
	10	9.3	23.7	8.3	479	1.307	60	8.9	6.3	8.0	470	.301
	15	9.6	22.8	8.4	478	1.307	65	9.0	6.2	8.0	470	.301
	20	10.6	19.0	8.4	474	1.302	70	8.8	6.1	8.0	470	.301
	25	10.7	16.9	8.4	473	1.303	75	8.4	6.0	7.9	470	.301
	30	10.3	14.2	8.3	472	1.302	80	8.1	5.9	7.9	470	.301
*	35	10.4	10.1	8.2	471	1.302	85	6.8	5.9	7.8	472	.302
	40	9.2	8.2	8.1	472	1.302	90	3.6	5.8	7.7	475	.304
	45	8.8	7.5	8.1	472	1.302	95	1.3	5.7	7.6	479	.306
							100	1.2	5.7	7.6	478	.306

Wind Speed and Direction	Cloud Cover
	100

Macrophyte Sampling Information

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Additional Comments or Remarks

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Prepared By



Date	4-12-95
Lake	BIG CEDAR SOUTH BASIN
Time	1410
County	
Storet Number	
Water Body Number	
Station Location	

Light Penetration Station	Secchi Disc Depth in Meters
	3.8m

Lake Stratification: Sampling for D.O. (ppm) and Temperature (°C)

Unit	Depth	D.O.	Temp.	pH	COND	TDS	Depth	D.O.	Temp.	pH	COND	TDS
ft./m	0	12.5	4.0	8.0	.503	.322	<del>10</del>					
	10	12.4	4.0	8.0	.503	.322	<del>10</del>					
	20	12.3	4.0	8.0	.503	.322	95	12.2	3.9	8.1	.503	.322
	30	12.3	4.0	8.1	.503	.322						
	40	12.3	4.0	8.1	.503	.322						
	50	12.3	3.9	8.1	.503	.322						
	60	12.3	3.9	8.1	.503	.322						
	70	12.3	3.9	8.1	.503	.322						
	80	12.3	3.9	8.1	.503	.322						
	90	12.2	3.9	8.1	.503	.322						

Wind Speed and Direction	SSW 10-25 mph	Cloud Cover	100%
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Macrophyte Sampling Information

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Additional Comments or Remarks

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Prepared By

Date	2-23-95
Lake	Big Cedar South
Time	10:00
County	
Storet Number	
Water Body Number	
Station Location	

Light Penetration Station	Secchi Disc Depth in Meters
	8.0 m

Lake Stratification: Sampling for D.O. (ppm) and Temperature (°C)

Unit ft./m	Depth	D.O.	Temp.	pH	Cond	TDS	Depth	D.O.	Temp.	pH	Cond	TDS
	0	14.1	2.0	8.2	.511	.327	100					
	10	13.0	2.1	8.2	.511	.327	105					
	20	12.3	2.1	8.2	.511	.327						
	30	12.0	2.1	8.2	.511	.328						
	40	11.9	2.1	8.2	.512	.328						
	50	11.9	2.1	8.2	.513	.329						
	60	11.9	2.1	8.2	.513	.328						
	70	11.9	2.2	8.2	.516	.330						
	80	11.4	2.2	8.2	.517	.331						
	90	10.9	2.5	8.0	.523	.334						

Wind Speed and Direction	Cloud Cover
WNW 5-15 mph	100%

Macrophyte Sampling Information

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Additional Comments or Remarks

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Prepared By

Big CEDAR (NORTH) 9-8-94

14:15

Secchi depth = 1.75

Z	D.O	T°C	pH	COND	TDS
0	8.6	19.8	8.2	499	.320
5	8.6	19.8	8.2	500	.320
10	8.6	19.7	8.2	500	.320
15	8.4	19.5	8.2	500	.320
20	7.8	19.1	8.1	502	.321
25	7.0	18.8	8.1	504	.323
* 30	1.1	17.8	7.5	528	.338
35	0.1	13.7	7.0	589	.377

Big Cedar (South) 9-8-94

Secchi depth = 2.75m

Z	D.O.	T°C	pH	COND	TDS
0	9.0	20.0	8.2	491	.314
5	9.0	20.0	8.2	491	.315
10	9.0	20.0	8.3	492	.315
15	9.0	19.9	8.3	492	.315
20	9.0	19.8	8.3	492	.315
25	8.9	19.7	8.3	492	.315
30	7.9	19.1	8.2	495	.317
* 35	3.0	14.1	7.5	520	.333
40	2.7	11.6	7.4	520	.333
45	2.3	10.0	7.4	518	.332
50	2.4	8.7	7.4	516	.330
55	2.4	8.3	7.3	515	.330
60	2.1	7.9	7.3	515	.330
65	1.5	7.7	7.3	516	.330
70	0.9	7.6	7.2	516	.330
75	0.2	7.6	7.2	517	.331
80	0.0	7.4	7.2	517	.331
85	0.0	7.3	7.2	518	.332
90	0.0	7.2	7.2	521	.334
95	0.0	6.9	7.1	523	.341
100	0.0	6.7	7.0	553	.355

15:30

8-1-94

Big Cedar So

Z	T °C	D.O	COND	pH	TDS	SpECH/1 (m)				
0	24.5	8.1	.486	8.4	.311	2.5				
5	24.4	8.2	.487	8.4	.312					
10	24.1	8.1	.487	8.4	.312					
15	23.8	8.1	.487	8.4	.311					
20	23.4	7.8	.488	8.4	.312					
	23.1	7.4	.489	8.3	.313					
± 30	17.2	5.2	.512	7.9	.327					
	12.5	5.5	.515	7.8	.330					
40	10.2	4.6	.514	7.7	.328					
	9.0	4.5	.512	7.7	.328					
50	8.3	4.7	.511	7.6	.327					
55	7.9	4.6	.510	7.6	.327					
60	7.8	3.9	.510	7.6	.327					
65	7.6	3.6	.510	7.6	.326					
70	7.5	3.8	.510	7.6	.326					
75	7.4	3.2	.510	7.5	.326					
80	7.3	1.5	.512	7.5	.327					
85	7.3	0.3	.514	7.4	.329					
90	7.2	0	.514	7.4	.329					
95	7.0	0	.521	7.4	.334					
97										

Time - 1300  
~~6-25-94~~ 7-6-94  
BIG CEDAR - SOUTH

Z	D.O	T °C	pH	COND	TDS	Secchi	YSI D.O	YSI TEMP
0	8.8	24.5	8.3	.500	.320	7.0 ft (2.12 m)		
5	8.8	24.3	8.4	.499	.319			
10	8.9	23.9	8.4	.497	.318			
15	8.8	23.8	8.4	.496	.318			
20	8.5	23.0	8.4	.492	.315			
25	7.4	20.1	8.2	.503	.322			
* 30	7.7	15.5	8.2	.512	.327			
35	7.4	11.0	8.0	.510	.326			
40	7.1	9.9	8.0	.510	.326			
45	6.8	9.2	7.9	.509	.326			
50	6.9	8.6	7.9	.508	.325			
55	6.8	8.3	7.8	.508	.325			
60	6.7	8.0	7.8	.507	.324			
65	6.3	7.7	7.8	.506	.324			
70	5.8	7.6	7.7	.507	.324			
75	5.4	7.5	7.7	.507	.324			
80	4.8	7.4	7.7	.507	.324			
85	3.1	7.3	7.6	.509	.325			
90	1.2	7.2	7.5	.511	.327			
95	0	6.9	7.4	.515	.330			
100								
105								

Date	4-20-94
Lake	Big Cedar So. Basin
Time	12:45
County	
Storet Number	
Water Body Number	
Lake Acreage	
Maximum Depth	
Air Temperature	60°

Station Location

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Light Penetration Station	Secchi Disc Depth in Meters
	3.2 m

Lake Stratification: Sampling for D.O. (ppm) and Temperature (°C)

Unit ft./m	Depth	D.O.	Temp.	pH
	0	12.1	60	7.2
	5	12.0	60	7.2
	10	12.1	60	7.2
	15	12.1	60	7.2
	20	12.0	59	7.1
	25	11.8	58	7.0
	30	11.8	58	7.0
	35	11.8	58	7.0
	40	11.9	58	7.0
	45	11.8	58	6.7

Depth	D.O.	Temp.	pH
50	11.7	53	6.5
55	11.7	53	6.5
60	11.7	52	6.4
65	11.5	51	6.3
70	11.5	50	6.2
75	11.3	49	6.1
80	11.3	49	6.1
85	11.2	48	6.0
90	11.2	48	6.0
95	11.1	45	5.7
100	11.1	43	5.5

Wind Speed and Direction	Cloud Cover
NW 5-15	100%

Macrophyte Sampling Information

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Additional Comments or Remarks

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Prepared By

Date		3/9/94		
Lake	BIG CEDAR LAKE		Time	12:45 PM
County	WASHINGTON Co.		Lake Acreage	932
Storet Number	6 7 3 2 0 6		Maximum Depth	105 Ft.
Water Body Number	0 0 2 5 3 0 0		Air Temperature	
Station Location	Maximum depth (A) SOUTH BASIN			

Light Penetration	Station	Secchi Disc Depth in Meters	7.5 m
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Lake Stratification: Sampling for D.O. (ppm) and Temperature (°C)

Unit ft./m	Depth	D.O.	Temp.	pH	Cond	Depth	D.O.	Temp.	pH	Cond
	0	11.4	0.4	8.0	309	50	9.2	2.7		
	5	10.5	3.1			55	9.2	2.9		
	10	10.4	3.0			60	9.3	2.7		
	15	10.4	3.0			65	9.0	2.7		
	20	10.4	3.0			70	8.8	2.7		
	25	10.3	3.0			75	8.6	3.0		
	30	9.8	2.9		*	80	7.4	2.9	8.0	331
	35	9.8	2.7			85	7.4	3.0		
	40	9.5	2.7			90	4.8	3.0		
	45	9.4	2.7			95	1.9	3.1	8.0	338
						100	0.6	1.9		

Wind Speed and Direction	Cloud Cover	0%
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Macrophyte Sampling Information

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Additional Comments or Remarks

Z D.O. TEMP PH 43° 22' 22N 88° 16' 05W  
105

Prepared By

TEMP 80°  
WIND 15-20  
10:30

Big Cedar - South Basin

8-30-93 100% clouds

Z	D.O	Temp	pH	Cond	Secchi
0	8.2	23.6	8.7	459	3.3
	8.2	23.7			
10	8.2	23.5			
	8.1	23.4			
20	7.9	22.3			
	7.3	18.8			
30	7.2	11.7	8.3	474	
	6.1	8.6			
40	5.0	6.7			
	4.9	5.7			
50	5.1	5.0			
	4.8	4.9			
60	4.4	4.5			
	4.0	4.5			
70	3.7	4.3			
	3.1	4.1			
80	2.4	4.1			
	1.4	4.6			
90	0.3	4.0			
	0.3	4.0			
100	0.2	4.6	7.8	506	



100% CLOUD  
WIND SW 5-15  
10:20 T = 80°  
7-19-93

Big CEDAR (So. Basin)

Z	D.O	T °C	PH	COND	SECCM1
					2.4
0	11.2	19.0	8.7	453	
	9.5	23.0			
10	9.4	23.0			
	9.4	22.7			
20	9.0	21.5			
	8.4	18.5			
30	8.4	12.5	8.4	478	
	8.2	8.5			
40	6.5	7.8			
	7.6	5.5			
50	7.4	5.0			
	7.2	5.0			
60	7.2	4.5			
	7.4	4.25			
70	7.0	4.25			
	6.0	4.0			
80	4.4	4.0			
	2.0	4.0			
90	0.6				
	0.3				
100	0.2				
105	0.2		7.7	502	

TEMP 75°  
WIND 8-10 MPH  
10:45  
6-10-93

Big CEDAR LK - SOUTH BASIN

Z	D.O	T°C	pH	COND	Secchi 6 meters					
0	12.4	16.4	8.5	471						
5	12.9	16.1								
10	12.8	16.0								
15	13.0	15.5								
20	13.0	15.2								
25	13.0	14.9								
*30	13.1	11.5	8.4	483						
35	14.0	8.0								
40	13.6	5.9								
45	13.4	5.2								
50	12.2	5.0								
55	11.6	4.9								
60	11.8	4.5								
65	11.8	4.2								
70	11.8	4.0								
75	12.2	4.0								
80	11.3	4.0								
85	11.4	4.0								
90	13.8	3.9								
95	4.4	3.9								
100	.4	3.9								
105	.2	3.8	8.0	505						

12:30  
5-11-93

BIG CEDAR LK

NORTH	D.O	T <sup>o</sup> C	pH	COND	Secchi				
0	11.1	19.0	8.6	486	2.2m				
5	11.2	18.7							
10	11.0	18.0							
15	13.7	11.2							
20	9.4	8.5							
25	5.2	7.9							
30	2.0	7.5							
35	0.9	7.3	8.1	493					
SOUTH									
0	11.8	17.0	8.7	479	2.0m				
5	12.0	16.2							
10	12.6	15.6							
15	14.2	8.3							
20	12.7	7.1							
25	11.9	6.1							
30	11.3	5.7							
35	11.0	5.0							
40	10.8	4.9							
45	10.7	4.6							
50	10.8	4.5							
55	10.8	4.3							
60	10.6	4.1							
65	10.7	4.0							
70	10.7	4.0							
75	10.7	4.6							
80	10.7	4.6							
85	10.6	3.9							
90	10.5	3.9							
95	9.7	3.9							
100	5.3	3.8	8.2	488					
105									

BIM COAR S. BAY

3-18-93

DEPTH	DO	T <sup>°C</sup>	PH	Cond	SECCHI	3.8m	12:00
0	12.5	0.0	8.1	508			
5	<del>11.3</del>	<del>1.4</del>					
10	11.3	1.5				Ice 20"	
						SNOW 0" 100%	
20	11.2	1.5					
30	11.4	1.5					
40	11.5	1.5					
* 50	11.1	1.5	8.1	512			
60	10.2	1.5					
70	9.9	1.5					
80	7.9	1.5					
90	5.6	1.8					
100	0.6	2.0					
105	0.4	2.0	7.8	527			





Date 6-25-92	
Lake BIG CEDAR LAKE (South Basin)	Time 10:20
County WASHINGTON Co.	Lake Acreage 932
Storet Number 6 7 3 2 0 6	Maximum Depth 105 Ft.
Water Body Number 0 0 2 5 3 0 0	Air Temperature
Station Location Maximum depth	

Light Penetration Station	Secchi Disc Depth in Meters 5.0 m
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Lake Stratification: Sampling for D.O. (ppm) and Temperature (°C)

Unit ft./m	Depth	D.O.	Temp.	pH		Depth	D.O.	Temp.	pH
	0	11.9	13.9	8.4	COND 490	50	10.9	3.4	
	5	11.0	13.7			55	10.6	3.0	
	10	11.0	13.7			60	10.4	2.8	
	15	11.0	13.5			65	10.4	2.6	
	20	10.8	13.4			70	10.0	2.3	
	25	11.6	10.0			75	9.9	2.1	
	30	12.4	7.0			80	9.4	2.1	
	35	12.8	7.0			* 85	6.6	2.0	(490) (8.5) PH
	40	12.6	5.3			90	3.0	2.0	(8.7) PH
	45	11.2	4.3			95	2.2	1.8	(500) COND

Wind Speed and Direction	Cloud Cover 0%
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Macrophyte Sampling Information

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Additional Comments or Remarks

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Prepared By

Date		4-15-92	
Lake		BIG CEDAR LAKE	
County		WASHINGTON Co.	
Storet Number		6 7 3 2 0 6	
Water Body Number		0 0 2 5 3 0 0	
Station Location		Maximum depth (SOUTH BASIN)	

Date	4-15-92
Time	11:15
Lake Acreage	932
Maximum Depth	105 Ft.
Air Temperature	

Light Penetration Station	Secchi Disc Depth in Meters
	4.0

Lake Stratification: Sampling for D.O. (ppm) and Temperature (°C)

Unit ft./m	Depth	D.O.	Temp.	pH	COND	Depth	D.O.	Temp.	pH	COND
	0	15.4	0.5	8.7	400	95	14.8	0.5	8.6	400
	10	15.4								
	20	15.3								
	30	15.3								
	40	15.2								
	50	15.2								
	60	15.1								
	70	15.0								
	80	15.0								
	90	14.9								

Wind Speed and Direction	Cloud Cover
SE 0-15	100%

Macrophyte Sampling Information

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Additional Comments or Remarks

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Prepared By



8-19-91

3,000. 11:30 am

11:45 am

Big Creek So. WINDY. out of NORTH → 100% CLOUDY / OVERCAST  
Secchi 3.5 m

Depth	Temp	D.O
0	20.8	8.4
5	20.8	8.4
10	20.8	8.3
15	20.8	8.4
20	20.8	8.4
25	20.8	8.4
30	13.	<del>8.4</del> 8.5
35	<del>13.</del>	<del>8.4</del> 8.4
40	9.5 <del>20.8</del>	<del>8.4</del> 7.6
45	7.4	5.6
50	6.3	5.0
55	6.3	4.9
60	5.9	4.8
65	5.2	4.0
70	5.2	4.0
75	5.2	3.7
80	5.0	2.3
85	5.0	0.75
90	5.0	0.6
95	5.0	0.5

*SOUTH*  
Big Cedar ~~North~~ Basin 7-23-91

Sec 4 H1 DEPTH 3.25 m

DEPTH	TEMP	D.O.																		
0 (Surf)	24	8.5																		
5	24	8.5																		
10	24	8.4																		
15	24	8.5																		
20	24	8.5																		
25	21.5	10.8																		
< 30	12	11																		
35	9.5	9.8																		
40	8	8.7																		
45	8	7.5																		
50	7	7.2																		
55	6.5	7																		
60	6.2	7																		
65	6	6.4																		
70	5.5	6.2																		
75	5.5	5.2																		
80	5.5	3.2																		
85	5.5	2.5																		
90	5.2	1.75																		
95	5	1.6																		
100																				

Big CEDAR So. 6-26-71

Time 2:00 PM

SECT 5.0 m

DEPTH	TAMP	D.O							
0	21.9	10.4							
5	21.9	10.4							
10	21.5	10							
15	21.5	10							
20	21.2	9.8							
25	20.5	9.8							
30	11.8	14.2							
35	10	13.6							
40	8.2	11.6							
45	2.5	10							
50	2.5	9.4	*						
55	6.9	9.0							
60	6.9	9.0							
65	6.5	9.0							
70	10	9.0							
75	6	8.6							
80	6	7.8							
85	5.9	6.8							
90	3.9	6.5							
95	5.2	3.4							
100	5.2	2.5							

Date		4-18-91	
Lake	BIG CEDAR LAKE (SOUTH BASIN)	Time	12:20
County	WASHINGTON Co.	Lake Acreage	932
Storet Number	6 7 3 2 0 6	Maximum Depth	105 Ft.
Water Body Number	0 0 2 5 3 0 0	Air Temperature	
Station Location	Maximum depth		

Light Penetration Station	Secchi Disc Depth in Meters	1.75 m
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Lake Stratification: Sampling for D.O. (ppm) and Temperature (°C)

Unit ft./m	Depth	D.O.	Temp.	pH
	0	11.7	6.1	
	5	11.6	6.0	
	10	11.6	5.9	
	15	11.6	5.4	
	20	11.6	5.3	
	25	11.5	5.2	
	30	11.4	4.9	
	35	11.3	4.7	
	40	11.2	4.6	
	45	11.2	4.5	

Depth	D.O.	Temp.	pH
50	11.2	4.4	
55	11.1	4.4	
60	11.1	4.3	
65	11.0	4.2	
70	11.0	4.2	
75	11.0	4.2	
80	11.0	4.2	
85	11.0	4.2	
90	10.9	4.2	
95	10.8	4.2	

Wind Speed and Direction	Cloud Cover	80%
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Macrophyte Sampling Information

100	10.1	4.2
<del>105</del>		

Additional Comments or Remarks

METALS So. BASIN (Bottom) SKIMMED W/DRUM ACID!

Prepared By

Date	2-26-91
Lake	BIG CEDAR LAKE (SOUTH BASIN)
Time	11:30
County	WASHINGTON Co.
Lake Acreage	932
Storet Number	6 7 3 2 0 6
Maximum Depth	105 Ft.
Water Body Number	0 0 2 5 3 0 0
Air Temperature	

Station Location  
Maximum depth

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Light Penetration Station	Secchi Disc Depth in Meters
	6.5

Lake Stratification: Sampling for D.O. (ppm) and Temperature (°C)

Unit ft./m	Depth	D.O.	Temp.	pH	COND	Depth	D.O.	Temp.	pH	COND
	0	12.8	0	7.7	317	50	12.4	1.1		
	5	12.8	1			55	12.8	1.1	7.8	316
	10	12.8	1			60	12.1	1.1		
	15	12.7	1			65	12.1	1.1		
	20	12.6	1			70	11.8	1.1		
	25	12.6	1			75	11.3	1.1		
	30	12.5	1			80	11.0	1.1		
	35	12.5	1			85	10.4	1.1		
	40	12.4	1			90	10.6	1.2		
	45	12.4	1			95	10.1	1.2		
						100	1.5	1.3		

Wind Speed and Direction	Cloud Cover
	40%

Macrophyte Sampling Information

105' 8" 1.3 7.7 322

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Additional Comments or Remarks

16" thick 10° covered

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Prepared By  
B. WAKEMAN, E. BLISS

500

Date		8/27/90	
Lake	BIG CEDAR LAKE south Basin	Time	11:50
County	WASHINGTON Co.	Lake Acreage	932
Storet Number	6 7 3 2 0 6	Maximum Depth	105 Ft.
Water Body Number	0 0 2 5 3 0 0	Air Temperature	21
Station Location	Maximum depth		

Light Penetration Station	Secchi Disc Depth in Meters
	3.3 m

Lake Stratification: Sampling for D.O. (ppm) and Temperature (°C)

Unit ft./m	Depth	D.O.	Temp.	pH
	0	9	23.5	8.6
	5	8.9	23	
	10	9	23	
	15	9	22.5	
	20	8.9	22.5	
	25	8.3	21.5	
	30	7.9	20.5	
	35	8.5	19	
	40	8.2	13	
	45	6.3	11	

490

Depth	D.O.	Temp.	pH
50	5.5	9.9	
55	3.9	7	
60	3.5	6.5	
65	2.5	6	
70	2.0	6	
* 75	0.8	6	7.9
80	0.5	6	
85	0.2	5.9	
90	0.0	5.8	
95	0.0	5.5	
100	0.0	5.5	

500

Wind Speed and Direction	Cloud Cover	105	0.0	5.0	7.6	500
		40%				

Macrophyte Sampling Information

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Additional Comments or Remarks

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Prepared By B. WAKEMAN, B. FOSSELMAN

Date		7/26/90	
Lake	BIG CEDAR SOUTH BASIN	Time	1340
County	WASHINGTON	Lake Acreage	
Storet Number	673206	Maximum Depth	
Water Body Number	0025300	Air Temperature	80°F 22°C
Station Location			
Light Penetration Station	Secchi Disc Depth in Meters		4.0 m

Lake Stratification: Sampling for D.O. (ppm) and Temperature (°C)

Unit ft./m	Depth	D.O.	Temp.	pH	COND	Depth	D.O.	Temp.	pH
X	0	8.2	23.0	8.6	450	50	6.4	8.0	
	5	7.2	23.0			55	5.4	7.0	
	10	8.0	22.5			60	5.4	5.5	
	15	7.9	22.0			65	5.2	5.5	
	20	7.5	21.5			70	4.7	5.5	
Y	25	6.9	20.5		75	4.5	5.0		
	30	6.6	19.5		80	3.6	5.0		
	35	8.9	15.0	8.3	85	2.3	5.0		
	40	10.5	11.0		90	1.2	4.5		
	45	9.4	9.5		95	0.3	4.5		

Wind Speed and Direction	5-10 SSE	Cloud Cover	95%	PH 7.4 COND 450
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Macrophyte Sampling Information

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Additional Comments or Remarks

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Prepared By *Robert Moore*

Date	6-26-96
Lake	Big Cedar (South)
County	Washington
Storet Number	-----
Water Body Number	-----
Time	13:25
Lake Acreage	
Maximum Depth	954
Air Temperature	26C
Station Location	

Light Penetration Station	Secchi Disc Depth in Meters
	5.0M

Lake Stratification: Sampling for D.O. (ppm) and Temperature (°C)

Unit ft./m	Depth	D.O.	Temp.	pH
	0	9.3	20	
	5	9.3	20	
	10	9.0	20	
	15	9.0	20	
	20	7.9	20	
	25	7.6	19	
mid sample >	30	7.4	16	
	35	7.4	13	
	40	7.2	11	
	45	7.2	9	

Depth	D.O.	Temp.	pH
50	7.2	7.0	
55	6.0	7.0	
60	6.0	6.0	
65	6.0	5.0	
70	6.0	5.0	
75	5.8	5.0	
80	5.8	5.0	
85	5.6	5.0	
90	5.3	5.0	
95	1.3	5.0	
100	1.5	5.0	

105 D.O. temp  
Bottom sample

Wind Speed and Direction	Cloud Cover
W-15 mph	20%

Macrophyte Sampling Information

Bottom sample 95 ft.

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Additional Comments or Remarks

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Prepared By

Shoridan + Meltzer



Date	4-18-90
Lake	BIG CEDAR LAKE SO.
County	
Storet Number	
Water Body Number	6025300
Station Location	MAXIMUM DEPTH
Lake Acreage	932
Maximum Depth	105 ft
Air Temperature	

Light Penetration Station	Secchi Disc Depth in Meters
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Lake Stratification: Sampling for D.O. (ppm) and Temperature (°C)

Unit ft./m	Depth	D.O.	Temp.	pH	CLOUD	Depth	D.O.	Temp.	pH	CLOUD
	0	12.7	4.5	8.4	360	50	12.6	4.3		
	5	12.8	4.6			55	12.6	4.3		
	10	12.8	4.6			60	12.6	4.3		
	15	12.8	4.6			65	12.6	4.3		
	20	12.8	4.5			70	12.6	4.3		
	25	12.7	4.4			75	12.6	4.3		
	30	12.7	4.4			80	12.6	4.3		
	35	12.7	4.3			85	12.6	4.3		
	40	12.7	4.3			90	12.6	4.3		
	45	12.6	4.2			95	12.6	4.3		
						100	12.6	4.3		

Wind Speed and Direction	0-10 SW	Cloud Cover	104	D.O.	0.5	Temp.	4.2	pH	8.4	CLOUD	356
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Macrophyte Sampling Information

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Additional Comments or Remarks

DID NOT RECORD SECCHI DEPTH - RECALLED APPROX DEPTH TO BE 3.4 m

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Prepared By

Date	6 MAR 90
Lake	Big Cedar
Time	1050
County	
Storet Number	
Water Body Number	
Station Location	South Basin

Light Penetration Station	Secchi Disc Depth in Meters
	4.0 m

Lake Stratification: Sampling for D.O. (ppm) and Temperature (°C)

Unit ft./m	Depth	D.O.	Temp.	pH	Cond
X	1	11.2	2	7.9	310
	5	11.0	2.7		
	10	10.7	2.7		
	15	10.5	2.7		
	20	10.4	2.7		
	25				
	30	10.6	2.7		
	35				
	40	10.2	3.0		
	45				
	50	9.8	3.0	7.7	330
	55				
	60	9.5	3.0		
	65				
	70	9.2	3.0		
	75				
	80	8.5	3.0		
	85				
	90	6.4	3.0		
	95	2.2	3.5	7.7	320
	100	1.4	3.5		

Wind Speed and Direction	Cloud Cover
	0%

Macrophyte Sampling Information

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Additional Comments or Remarks

18" ice 41" snow

moderate algal bloom

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Prepared By

Date	8/21/89
Lake	BIG CEDAR D.B.
Time	11:30
County	
Storet Number	
Water Body Number	
Station Location	

Light Penetration Station	Secchi Disc Depth in Meters
	2.8 m

Lake Stratification: Sampling for D.O. (ppm) and Temperature (°C)

Unit ft./m	Depth	D.O.	Temp.	pH		Depth	D.O.	Temp.	pH	
	0	8.3	22.5	8.85	410	50	3.3	6.5		COND
	5	8.3	22.4			55	3.9	6.2		
	10	8.3	22.			60	3.6	5.8		
	15	8.3	22			65	3.1	5.5		
	20	8.3	22			70	3.2	5.2		
	25	10.4	18.6			75	2.7	5.0		
	30	18.4	13.8			80	1.5	3.0		
*	35	10.5	9.8	8.8	420	85	0.5	4.9		
	40	2.8	8.2			90	0.4	4.2		
	45	2.6	7.4			95	0.4	4.5		
						100	0.4	4.5		
Wind Speed and Direction		Cloud Cover	105	0.4	4.5	7.65	490			

Macrophyte Sampling Information

0% closed

Additional Comments or Remarks

Prepared By

Date	7-25-89
Lake	B.G. CEDAR
Time	13:40
County	
Storet Number	
Water Body Number	
Station Location	DEEP BASIN

Light Penetration Station	Secchi Disc Depth in Meters
	4.25

Lake Stratification: Sampling for D.O. (ppm) and Temperature (°C)

Unit ft./m	Depth	D.O.	Temp.	pH	COND	Depth	D.O.	Temp.	pH	COND
	0	9.2	24.5	7.55	500	50	5.8	6.8		
	5	9.3	23.9			55	6.3	6.0		
	10	9.4	22.5			60	6.1	5.5		
	15	9.5	21.6			65	6.2	5.3		
	20	9.7	20.7			70	6.2	5.1		
	25	14.4	16.4			75	5.7	5.0		
	30	14.3	11.3			80	4.6	5.0		
	35	8.2	9.0			85	3.0	4.9		
*	40	4.8	7.9	7.45	500	90	1.2	4.7		
	45	4.9	7.2			95	0.5	4.7		

Wind Speed and Direction	Cloud Cover
	30%

Macrophyte Sampling Information

⊗	100	0.3	4.5	7.4	500
	105				

Additional Comments or Remarks

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Prepared By  
WAKEMAN / KATOWA

	Date 6-27-89
Lake BIG CEDAR LK	Time 13:15
County	Lake Acreage
Storet Number	Maximum Depth
Water Body Number	Air Temperature
Station Location DEEP BASIN	

Light Penetration Station	Secchi Disc Depth in Meters 4.0
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Lake Stratification: Sampling for D.O. (ppm) and Temperature (°C)

Unit ft./m	Depth	D.O.	Temp.	pH	COND	Depth	D.O.	Temp.	pH
*	0	9.4	23.8	8.2	490	50	7.9	6.3	
	5	9.4	23.8			55	8.0	5.9	
	10	9.4	23.7			60	8.1	5.4	
	15	11.3	20.3			65	8.2	5.1	
	20	11.1	17.1			70	8.1	5.0	
	25	13.8	14.4			75	8.1	5.0	
*)	30	19.1	9.8	7.8	500	80	7.5	4.9	
	35	11.5	8.8			85	7.1	4.8	
	40	7.3	7.8			90	5.7	4.7	
	45	7.3	7.0			95	1.8	4.7	

Wind Speed and Direction	Cloud Cover 20%
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Macrophyte Sampling Information

	100	0.8	4.3
*	105	0.4	4.2 7.2 510

Additional Comments or Remarks

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Prepared By

Date 4-26-89	
Lake BIG CEDAR LAKE - DEEP BASIN	Time 11:55
County WASHINGTON Co.	Lake Acreage 932
Storet Number 6 7 3 2 0 6	Maximum Depth 105 Ft.
Water Body Number 0 0 2 5 3 0 0	Air Temperature
Station Location Maximum depth	

Light Penetration Station	Secchi Disc Depth in Meters 2.4 m
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Lake Stratification: Sampling for D.O. (ppm) and Temperature (°C)

Unit ft./m	Depth	D.O.	Temp.	pH	COD	Depth	D.O.	Temp.	pH	COD
	0	11.1	7.9	7.9	378	50	10.6	5.0		
	5	11.1	7.8			55	10.5	4.9		
	10	11.2	7.5			60	10.4	4.8		
	15	11.2	7.3			65	10.4	4.8		
	20	11.2	7.2			70	10.4	4.8		
	25	10.9	6.1			75	10.4	4.7		
	30	10.8	5.5			80	10.4	4.5		
	35	10.7	5.5			85	10.4	4.3		
	40	10.7	5.2			90	10.2	4.2		
	45	10.6	5.1			95	10.2	4.2		
						99	9.7	4.2	7.9	355

Wind Speed and Direction	Cloud Cover 20%
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Macrophyte Sampling Information

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Additional Comments or Remarks

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Prepared By BU + TA

BIG CEDAR LK 2-23-89

14:10

WAKEMAN/ARTILA

DEPTH	T °C	D.O.	PH	Secchi	COND	ICE %	SNOW %		CLOUD COVER
				3.3m		0.35	100%	4-5 IN	0%
* 0	1.0	13.8	7.81		275				
5	2.2	12.4							
10	2.6	12.2							
15	2.6	12.2							
20	2.6	12.2							
25	2.6	12.1							
30	2.6	12.0							
35	2.8	11.8							
40	2.8	11.7							
45	2.8	11.5							
50	2.8	11.4							
55	2.8	11.1							
* 60	2.9	10.8	7.89		280				
	2.9	10.8							
70	2.9	10.8							
	2.9	10.6							
80	2.9	10.8							
	3.0	10.5							
90	3.0	9.0							
* 90	3.0	7.2	7.81		285				
<del>100</del>									
<del>105</del>									

PREPARED BY: WAKEMAN/ARTILA

Date 16 Aug '88	
Lake Big Cedar	Time 10:30
County Washington	Lake Acreage
Storet Number 673206	Maximum Depth 105'
Water Body Number 0025300	Air Temperature 85°F
Station Location Deepst	
Light Penetration Station Bob	Secchi Disc Depth in Meters 3.0 m

Lake Stratification: Sampling for D.O. (ppm) and Temperature (°C)

Unit ft./m	Depth	D.O.	Temp.	pH
★	1	8.9	27	
	5	9.0	27	
	10	9.0	27	
	15	9.1	27	
	20	9.1	27	
	25	8.6	23.5	
	30	11.0	16.7	
★	35	13.5	11.7	
	40	8.5	8.0	
	45	8.5	7.2	
	50	6.2	7.2	
	55	5.9	7.2	
	60	5.4	7.0	
	65	4.7	7.0	
	70	4.2	7.0	
	75	3.3	6.9	
	80	1.5	6.9	
	85	0.3	6.9	
	90	0.2	6.8	
	95	0.1	6.2	
	100	0.1	6.0	

440  
480  
500

Wind Speed and Direction: 0-7 SW 102 → Cloud cover: 5% haze 0.0 6.0

Macrophyte Sampling Information

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Additional Comments or Remarks

Oscillatoria present in zooplankton tow  
Additional chlorophyll taken at 55' - Oscillatoria not obvious

Prepared By: S. Mace / B. Williams



Lake B. CEDAR D.R. Date 7-12-88  
 County WASHINGTON Time ~ 830  
 Storet Number \_\_\_\_\_ Lake Acreage \_\_\_\_\_  
 Water Body Number \_\_\_\_\_ Maximum Depth \_\_\_\_\_  
 Station Location DEEP BASIN Air Temperature \_\_\_\_\_

Light Penetration Station \_\_\_\_\_ Secchi Disc Depth in Meters 2.75

Lake Stratification: Sampling for D.O. (ppm) and Temperature (°C)

Unit ft./m	Depth	D.O.	Temp.	pH	COND	Depth	D.O.	Temp.	pH	COND
x	0	8.61	24.5	8.75	330	50	6.8	7.5		
	5	8.61	24.5			55	6.4	7.1		
	10	8.61	24.5			60	6.4	7.0		
	15	8.61	24.5			65	6.3	7.0		
	20	10.0	22.4			70	4.8	7.0		
	25	9.4	20.3			75	4.4	7.0		
	30	9.4	15.3			80	1.1	6.9		
y	35	11.3	10.7	8.5	350	85	0.8	6.9		
	40	8.6	8.7			90	0.1	6.8		
	45	7.4	7.8			95	0.0	6.7		
						* 100	0.0	6.4	7.8	430

Wind Speed and Direction \_\_\_\_\_ Cloud Cover 65%

Macrophyte Sampling Information

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Additional Comments or Remarks

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Prepared By W. H. HAN/COM. 2 M

Date	6-1-88
Lake	BIG CEDAR LAKE
Time	09:00
County	WASHINGTON Co.
Lake Acreage	932
Storet Number	6 7 3 2 0 6
Maximum Depth	105 Ft.
Water Body Number	0 0 2 5 3 0 0
Air Temperature	

Station Location  
Maximum depth

Light Penetration Station	Secchi Disc Depth in Meters
	3.25 m

Lake Stratification: Sampling for D.O. (ppm) and Temperature (°C)

Unit ft./m	Depth	D.O.	Temp.	pH	COND	Depth	D.O.	Temp.	pH	
X	0	10.0	21.5	8.0	400	50	9.8	7.3		
	5	10.0	21.3			55	9.5	7.1		
	10	10.0	21.2			60	9.2	7.1		
	15	10.4	19.5			65	9.0	7.0		
	20	10.4	17.0			70	9.0	7.0		
	25	10.5	15.4			75	8.5	6.9		
X	30	11.2	12.2	8.1	400	80	8.0	6.9		
	35	11.3	9.0			85	7.4	6.9		
	40	10.8	8.0			90	6.0	6.8		
	45	10.5	7.5			95	0.5	6.7		
						X 100	0	6.4	8.1	400

Wind Speed and Direction	Cloud Cover
W 0-5	0%

Macrophyte Sampling Information

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Additional Comments or Remarks

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Prepared By  
WOLBERT/WAKEMAN

	Date 4-13-88
Lake BIG CEDAR	Time 10:20
County	Lake Acreage
Storet Number	Maximum Depth
Water Body Number	Air Temperature
Station Location DEEP BASIN	

Light Penetration Station	Secchi Disc Depth in Meters 3.9m
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Lake Stratification: Sampling for D.O. (ppm) and Temperature (°C)

Unit ft./m	Depth	D.O.	Temp.	pH	COND	Depth	D.O.	Temp.	pH	COND
*	0	13.3	6.2	7.2	400	50	13.0	5.0		
	5	13.3	6.2			55	13.0	5.0		
	10	13.3	6.2			60	12.9	5.0		
	15	13.3	6.2			65	12.9	5.0		
	20	13.3	6.1			70	12.9	5.0		
	25	13.3	5.9			75	12.9	4.7		
	30	13.2	5.8			80	12.8	4.8		
	35	13.2	5.5			85	12.8	4.5		
	40	13.1	5.3			90	12.6	4.4		
	45	13.1	5.2			95	12.5	4.2		
						* 100	12.1	4.2	7.2	400

Wind Speed and Direction 0-7 SE	Cloud Cover 40%
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Macrophyte Sampling Information

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Additional Comments or Remarks

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Prepared By  
WAKEMAN / KOCOUREK

BIG CEDAR LAKE DEEP BASIN 2-15-58 TIME 11:00  
WAKEMINN

	DEPTH	D.O	TEMP	PH	COND	ICE DEPTH $\leq 0.3m$			
*	0	12.18	0.3	7.9	310	SECHN DISK 5.2 m			
	5	11.90	1.0						
	10	11.90	1.0						
	15	11.90	1.0						
	20	11.90	1.0						
	25	11.1	1.0			THESE SAMPLES ARE IN THE WHITEWATER SAMPLE SET BW			
	30	11.6	1.0						
	35	11.5	1.1						
	40	11.05	1.1						
	45	11.2	1.1						
	50	11.3	1.1						
	55	11.05	1.2						
	60	10.8	1.2						
	65	10.8	1.2						
	70	10.4	1.2						
	75	10.8	1.2						
*	80	9.7	1.5	7.9	320				
	85	8.9	1.5						
	90	9.4	1.9						
	95	5.2	2.0						
	100	0.8	2.1						
*	105	0.0	2.1	8.0	305				

Date		8-18-87	
Lake	BIG CEDAR LAKE (South Basin)		
County	WASHINGTON Co.		
Storet Number	6 7 3 2 0 6		
Water Body Number	0 0 2 5 3 0 0		
Station Location	Maximum depth		
Time	12:45		
Lake Acreage	932		
Maximum Depth	105 Ft.		
Air Temperature			

Light Penetration	Station	Secchi Disc Depth in Meters
		2.5 m

Lake Stratification: Sampling for D.O. (ppm) and Temperature (°C)

Unit ft./m	Depth	D.O.	Temp.	pH		Depth	D.O.	Temp.	pH
*	0	8.2	24.0	8.7	345	50	4.4	8.0	
	5	8.2	24.0			55	4.2	7.0	
	10	8.2	24.0			60	3.8	6.5	
	15	8.2	24.0			65	3.1	6.0	
	20	8.2	24.0			70	2.7	6.0	
	25	8.2	24.0			75	1.6	5.8	
*	30	7.1	18.4	8.3	380	80	0.3	5.8	
	35	7.1	13.4			85	0.1	5.7	
	40	6.6	11.8			90	0.0	5.7	
	45	4.9	9.8			95	0.0	5.5	
						* 100	0.0	5.5	

Wind Speed and Direction	Cloud Cover
S 0-10	100 %

Macrophyte Sampling Information

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Additional Comments or Remarks

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Prepared By

Date 21 July 87

Lake BIG CEDAR D.B. Time \_\_\_\_\_

County WASH Lake Acreage \_\_\_\_\_

Storet Number \_\_\_\_\_ Maximum Depth \_\_\_\_\_

Water Body Number \_\_\_\_\_ Air Temperature \_\_\_\_\_

Station Location \_\_\_\_\_

Light Penetration Station \_\_\_\_\_ Secchi Disc Depth in Meters \_\_\_\_\_

Lake Stratification: Sampling for D.O. (ppm) and Temperature (°C)

Unit ft./m	Depth	D.O.	Temp.	pH		Depth	D.O.	Temp.	pH	
*	1	8.2	25.8	8.5	410	50	5.7	8.0		
	5	8.4	25.5			55	5.4	7.2		
	10	8.4	25.2			60	5.3	6.3		
	15	8.4	25.0			65	5.2	6.2		
	20	8.0	24.9			70	3.9	6.0		
	25	8.2	22.8			75	3.4	5.8		
*	30	8.2	17.5	8.2	440	80	3.0	5.8		
	35	7.7	11.8			85	1.6	5.6		
	40	7.3	10.5			90	0.55	5.5		
	45	6.3	8.8			95	0.20	5.5		
						* 100	0.10	5.3	7.8	470

Wind Speed and Direction \_\_\_\_\_ Cloud Cover 25% VERY HAZY

Macrophyte Sampling Information \_\_\_\_\_

Additional Comments or Remarks \_\_\_\_\_

Prepared By Wakeman / Wasing

Date		6-2-87
Lake	Time	13:05
County	Lake Acreage	
Storet Number	Maximum Depth	
Water Body Number	Air Temperature	80°
Station Location		
DEEP WATER STATION		

Light Penetration Station	Secchi Disc Depth in Meters
	5.0 m

Lake Stratification: Sampling for D.O. (ppm) and Temperature (°C)

Unit (ft./m)	Depth	D.O.	Temp.	pH		Depth	D.O.	Temp.	pH	
*	0'	9.4	22.2	8.3	448	50'	8.9	7.6		
	5'	9.4	22.2			55'	8.7	6.9		
	10'	9.4	21.9			60'	8.7	6.4		
	15'	9.4	21.1			65'	8.7	6.0		
*	20'	9.8	18.6	8.2	451	70'	8.4	5.6	5.8	
	25'	9.7	16.0			75'	8.3	5.6		
	30'	9.7	15.9			80'	8.2	5.6		
	35'	9.65	10.7			85'	7.8	5.4		
	40'	9.2	9.2			90'	6.6	5.3		
	45'	8.9	8.1			95'	5.6	5.3		
						* 100'	2.5	5.1	8.1	457

Wind Speed and Direction	Cloud Cover
NW 0-7	60%

Macrophyte Sampling Information

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Additional Comments or Remarks

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Prepared By

Date <u>4/9/87</u>	
Lake <u>BIG CEDAR LAKE</u>	Time <u>13130</u>
County <u>WASHINGTON Co.</u>	Lake Acreage <u>932</u>
Storet Number <u>6 7 3 2 0 6</u>	Maximum Depth <u>105 Ft.</u>
Water Body Number <u>0 0 2 5 3 0 0</u>	Air Temperature <u>70°</u>
Station Location <u>Maximum depth</u>	

Light Penetration Station	Secchi Disc Depth in Meters <u>4.0</u>
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Lake Stratification: Sampling for D.O. (ppm) and Temperature (°C)

Unit ft./m	Depth	D.O.	Temp.	pH		Depth	D.O.	Temp.	pH	
X	1.0	12.4	6.0	8.3	350	50	12.1	4.8		
	5	12.4	6.0			55	12.0	4.8		
	10	12.4	5.8			60	12.0	4.8		
	15	12.6	5.5			65	12.0	4.8		
	20	12.6	5.5			70	12.0	4.8		
X	25	12.5	5.2	8.3	340	75	12.0	4.8		
	30	12.5	5.2			80	12.0	4.8		
	35	12.5	5.0			85	11.9	4.7		
	40	12.4	5.0			90	11.9	4.7		
	45	12.3	5.0			95	11.9	4.5		
						X 100	11.8	4.5	8.25	330

Wind Speed and Direction <u>SSW 0-7</u>	Cloud Cover <u>0%</u>
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Macrophyte Sampling Information

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Additional Comments or Remarks

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Prepared By WW/BW



Date	2-26-87
Lake	BIG CLEAR LK
County	WASH
Storet Number	6 7 3 3 0 6
Water Body Number	
Time	
Lake Acreage	
Maximum Depth	
Air Temperature	

Station Location

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Light Penetration Station	Secchi Disc Depth in Meters
	4.4M

Lake Stratification: Sampling for D.O. (ppm) and Temperature (°C)

Unit ft./m *	Depth	D.O.	Temp.	pH	COND	Depth	D.O.	Temp.	pH	COND
	5	13.2	2.0	8.3	290	*50	10.0	3.0	8.2	290
	5	13.8	3.0			55	9.6	3.0		
	10	13.0	3.1			60	9.2	3.0		
	15	13.0	3.1			65	8.9	3.0		
	20	13.0	3.1			70	8.4	3.0		
	25	13.0	3.1			75	7.5	3.0		
	30	13.0	3.1			80	6.8	3.0		
	35	13.0	3.1			85	6.2	3.0		
	40	13.0	3.1			90	5.8	3.0		
	45	10.8	3.1			*75	8.0	3.2	8.0	300
						BOTTOM	7.4	3.2		

Wind Speed and Direction	Cloud Cover
	50%

Macrophyte Sampling Information

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Additional Comments or Remarks

ICE DEPTH ~ 14"

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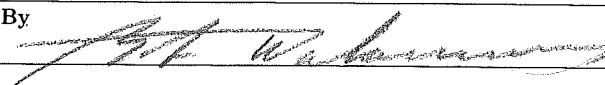
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Prepared By 

	Date	P-13-86
Lake	Time	15:15
County Big Cedar Washington	Lake Acreage	
Storet Number	Maximum Depth	104'
Water Body Number 6 7 3 2 0 6 0 0 2 5 3 0 0	Air Temperature	22°C

Station Location

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Light Penetration Station

Secchi Disc Depth in Meters 7.7ft (2.3M)

Lake Stratification: Sampling for D.O. (ppm) and Temperature (°C)

Unit ft./m	Depth	D.O.	Temp.	pH		Depth	D.O.	Temp.	pH	
	0	7.83	22.6	8.3	400	45	3.1	9.5		400
	5	7.9	22.9			50	3.5	10.9		
	10	7.9	22.9			60	3.4	9.7		
	15	7.9	22.8			70	3.5	9.1		
	20	7.8	22.6			80	4.9	15.3		
	25	5.2	20.7		90	1.4	8.8			
m.d	30	5.0	14.9	8.0	-400	100	0.5	8.6	7.8	
	35	3.9	11.6							
	40	2.8	10.1							

Wind Speed and Direction S- 10-15 mph

Cloud Cover 100%

Macrophyte Sampling Information

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Additional Comments or Remarks

middle depth  
Thermocline at 30 ft.

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Prepared By

Joe Melton

Date	7-30-86
Lake	BIG CEDAR LAKE
Time	12:00
County	WASHINGTON Co.
Lake Acreage	932
Storet Number	6 7 3 2 0 6
Maximum Depth	105 Ft.
Water Body Number	0 0 2 5 3 0 0
Air Temperature	75-80
Station Location	Maximum depth

Light Penetration	
Station	Secchi Disc Depth in Meters
	3.5

Lake Stratification: Sampling for D.O. (ppm) and Temperature (°C) *Cont.*

Unit ft./m	Depth	D.O.	Temp.	pH		Depth	D.O.	Temp.	pH
	0	8.8	25.5	8.7	Surface	100	.20	5.8	7.8
	10	8.8	25.2						
	20	8.8	25.0		Middle				
30*	30	6.4	16.9	8.2					
	40	5.0	10.8		400				
	50	4.4	8.5						
	60	4.4	7.0		Bottom				
	70	4.0	6.5		380				
	80	2.5	6.0						
	90	0.25	6.0						

Wind Speed and Direction	10 SW	Cloud Cover	90%
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Macrophyte Sampling Information

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Additional Comments or Remarks

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Prepared By



Date	4-22-86
Lake	BIG CEDAR LAKE
Time	12:00
County	WASHINGTON
Lake Acreage	932
Storet Number	673206
Maximum Depth	105
Water Body Number	
Air Temperature	
Station Location	deepest part of LAKE

Light Penetration Station	Secchi Disc Depth in Meters
	3.0m

Lake Stratification: Sampling for D.O. (ppm) and Temperature (°C)

Unit ft./m	Depth	D.O.	Temp.	pH	cond.	Depth	D.O.	Temp.	pH
	5	13.8	7.0	8.3	310	100	11.9	6.0	
	10	13.0	7.0						
	20	13.0	7.0						
	30	12.8	6.8						
	40	12.8	6.5						
	50	12.6	6.2						
	60	12.4	6.2						
	70	12.3	6.2						
	80	12.2	6.3						
	90	13.0	6.0	8.3	298				

Wind Speed and Direction	Cloud Cover
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Macrophyte Sampling Information

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Additional Comments or Remarks

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Prepared By