

Pike Washington Co. SED 22 Apr 86 chlor $\bar{c}$ = $22 \mu\text{g l}^{-1}$ 50 ml REL

(x140, x560)

Note: sample preservation problem. fungal contamination/ badly deteriorated.

abundance estimates not possible.

species present:

Stephanodiscus niagarae

Cymbella sp.

Cyclotella sp.

Oocystis sp.

Water Body No.:

Lake:

County:

DNR District:

Pike
Washington
SED

Zooplankton

1988

Collected by:

Identified by:

Dr. William E. Walton

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

		17 Feb	13 Apr	1 Jun	12 Jul	23 Aug
Tow length (m)						
Subsample volume		0.1	0.1	0.1	0.1	0.1
Daphnia						
	Number	10	8	21	15	10
	Mean size (mm)	1.29	1.35	1.01	1.13	0.93
	Standard deviation	0.20	0.23	0.36	0.41	0.30
Copepods						
	Number	47	62	52	56	63
	Mean size (mm)	0.67	0.73	0.71	0.58	0.55
	Standard deviation	0.37	0.44	0.43	0.36	0.36
All zooplankton						
	Number	68	91	90	85	97
	Mean size (mm)	0.72	0.69	0.70	0.64	0.57
	Standard deviation	0.41	0.46	0.44	0.42	0.34

		17 Feb	13 Apr	1 Jun	12 Jul	23 Aug
Leptodiaptomus siciloides	LEPSIC	0	3	3	0	0
Skistodiaptomus oregonensis	SKIOR	3	4	4	3	3
Calanoid copepodids	CALCO	0	3	4	4	5
Calanoid nauplii	CALNA	0	5	4	4	4
Diacyclops bicuspidatus thomasi	DIATH	4	5	3	0	0
Mesocyclops edax	MESED	0	3	3	4	5
Orthocyclops modestus	ORTMO	0	0	0	2	0
Tropocyclops prasinus	TROPR	4	0	0	3	5
Cyclopoid copepodids	CYCCO	4	5	5	5	5
Cyclopoid nauplii	CYCNA	5	5	5	5	5
Chippuisius sp.	CHASP	0	1	0	0	0
Alona quadrangula	ALOQU	3	0	0	0	0
Bosmina longirostris	BOSLO	4	3	3	4	2
Ceriodaphnia lacustris	CERLA	0	0	0	2	5
Chydorus sphaericus	CHYSP	0	5	3	1	2
Daphnia galeata mendotae	DAPGM	5	5	5	3	0
Daphnia pulicaria	DAPPUL	0	0	5	4	0
Daphnia retrocurva	DAPRE	0	0	2	3	5
Diaphanosoma birgei	DIABI	0	0	0	3	4
Eubosmina coregoni	EUBCO	0	5	5	1	2
Leptodora kindtii	LEPKI	0	0	0	3	0
Ostracoda	OSTSP	0	0	3	3	3
Chaoborus sp.	CHOSP	0	0	0	3	3

Date 2/25/87	
Lake PIKE LAKE	Time 10:15
County WASH.	Lake Acreage
Storet Number 6 7 3 1 2 3	Maximum Depth 47 FEET
Water Body Number	Air Temperature
Station Location N 43-18.44 W 88-20.40	

Light Penetration Station	Secchi Disc Depth in Meters 2.5 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	
*	1.0 FT	13.8	4.0	7.5	420					DEPTH OF ICE 1"
	5	13.7	4.2							
	10	12.0	4.0							
	15	10.8	3.5							
	20	9.0	3.0							
*	25	8.0	3.0	7.37	440					
	30	7.2	3.0							
	35	5.7	3.0							
	40	3.4	3.5							
*	45	0.2	4.0	7.29	680					
Bottom	47									

Wind Speed and Direction 10 mph SW	Cloud Cover 70%
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Macrophyte Sampling Information

Additional Comments or Remarks

Prepared By
[Signature]

Date <u>4/9/87</u>	
Lake <u>PIKE LAKE</u>	Time <u>1451</u>
County <u>WASHINGTON Co.</u>	Lake Acreage <u>522</u>
Storet Number <u>6 7 3 1 2 3</u>	Maximum Depth <u>45 Ft.</u>
Water Body Number <u>0 8 5 8 3 0 0</u>	Air Temperature <u>70 °</u>
Station Location <u>Maximum depth</u>	
Light Penetration Station	Secchi Disc Depth in Meters <u>1.9</u>

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

Unit ft./m	Depth	D.O.	Temp.	pH
X	<u>SURF</u>	<u>13.6</u>	<u>8.5</u>	<u>8.45</u>
	<u>5</u>	<u>13.6</u>	<u>8.5</u>	
	<u>10</u>	<u>13.7</u>	<u>8.2</u>	
	<u>15</u>	<u>13.4</u>	<u>7.8</u>	
X	<u>20</u>	<u>13.2</u>	<u>7.3</u>	<u>8.3</u>
	<u>25</u>	<u>13.1</u>	<u>6.8</u>	
	<u>30</u>	<u>12.8</u>	<u>6.8</u>	
X	<u>32</u>	<u>12.6</u>	<u>6.5</u>	<u>8.4</u>

Depth	D.O.	Temp.	pH

Wind Speed and Direction <u>SSW 0-5</u>	Cloud Cover <u>0 %</u>
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Macrophyte Sampling Information

Additional Comments or Remarks

Prepared By WW/BW

Department of Natural Resources
Southeast District

LAKE INVESTIGATION RECORD
Form 3200-73 7-85

Date 4 June 87	
Lake Dike	Time 1530
County Washington	Lake Acreage
Storet Number	Maximum Depth
Water Body Number	Air Temperature 60°F
Station Location	

Light Penetration
Station

Secchi Disc Depth in Meters

4.7

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

Unit ft./m	Depth	D.O.	Temp.	pH	
*	0	8.5	22.5	8.2	590
	5	8.5	22.4		
	10	8.4	22.4		
*	15	5.9	19.0	8.3	590
	20	4.5	16.4		
	25	1.2	15.3		
	30	.1	14.0		
	35	.1	12.4		
	40	.2	11.7		
*	42	.2	11.7	7.9	610

Depth	D.O.	Temp.	pH

Wind Speed and Direction

5-10 W

Cloud Cover

0-5%

Macrophyte Sampling Information

N/A

Additional Comments or Remarks

Prepared By

S. Mace

Lake	Pike Lake	Date	7-27-87
County	Washington	Time	14:07
Storet Number	-----	Lake Acreage	
Water Body Number	-----	Maximum Depth	4.5
		Air Temperature	

Station Location

Light Penetration
Station

Secchi Disc Depth in Meters

1.7

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	8.4	28°C	8.4	500				
	5	8.4	27.5°C						
	10	8.0	27°C						
	15	3.7	26°C						
	20	0.15	23.5°C						
	25	0.05	19						
middle >	30	0.05	15	7.7	600				
	35	0.075	13.5						
	40	0.075	13.0						
X	45	0.05	12.5	7.6	550				

Wind Speed and Direction

SE 5 mph

Cloud Cover

50% cloud cover

Macrophyte Sampling Information

Additional Comments or Remarks

Prepared By

MELTER/HADJIVIAN

Date 8-18-87	
Lake PIKE LAKE	Time 2145
County WASHINGTON Co.	Lake Acreage 522
Storet Number 6 7 3 1 2 3	Maximum Depth 45 Ft.
Water Body Number 0 8 5 8 3 0 0	Air Temperature
Station Location Maximum depth	

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	
*	0	7.8	24.0	8.7	510
	5	7.8	24.0		
	10	7.7	24.0		
	15	7.6	23.8		
	20	7.5	23.8		
*	25	0.2	21.4	8.0	550
	30	0.0	17.2		
*	35	0.0	15.5	7.7	600

Depth	D.O.	Temp.	pH

Wind Speed and Direction SW 5-20	Cloud Cover 10%
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Macrophyte Sampling Information

Additional Comments or Remarks

Prepared By

		Date <u>2-17-88</u>	
Lake <u>PIKE LAKE</u>		Time <u>09:50</u>	
County <u>WASHINGTON Co.</u>		Lake Acreage <u>522</u>	
Storet Number <u>6 7 3 1 2 3</u>		Maximum Depth <u>45 Ft.</u>	
Water Body Number <u>0 8 5 8 3 0 0</u>		Air Temperature	
Station Location <u>Maximum depth</u>			
Light Penetration Station		Secchi Disc Depth in Meters <u>1.5 m</u>	

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	17.8	0.9	7.7	395				
	5	16.2	3.0						
	10	15.3	3.0						
* X	15	13.2	3.0	7.6	418				
	20	12.2	3.0						
	25	11.7	2.9						
	30	9.3	3.0						
* X	35	2.4	3.5	6.8	528				
	36								

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

Additional Comments or Remarks

<u>ICE</u>	<u>0.4</u>	<u>100%</u>
<u>SNOW</u>	<u>4"</u>	

Prepared By <u>WAKEMAN</u>

Department of Natural Resources
Southeast District

LAKE INVESTIGATION RECORD
Form 3200-73 7-85

Date <u>4-13-88</u>	
Lake <u>PIKE Lk</u>	Time <u>13:50</u>
County	Lake Acreage
Storet Number	Maximum Depth
Water Body Number	Air Temperature
Station Location	
Light Penetration Station	Secchi Disc Depth in Meters <u>2.3 m</u>

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

Unit ft./m	Depth	D.O.	Temp.	pH		Depth	D.O.	Temp.	pH
Y	0	13.6	10.5	8.6	COND 550				
	5	13.6	10.5						
	10	13.6	10.3						
	15	13.6	10.0						
	20	13.5	10.0						
	25	12.8	9.3						
	30	11.9	9.0						
	35	2.4	8.8						
X	40	0.0	8.8	8.6	500				

Wind Speed and Direction <u>0-15 SW</u>	Cloud Cover <u>40%</u>
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Macrophyte Sampling Information

Additional Comments or Remarks

Prepared By

W. KOSOREK

Lake PIKE LAKE County WASHINGTON Co. Storet Number 6 7 3 1 2 3 Water Body Number 0 8 5 8 3 0 0 Station Location Maximum depth MAX DEPTH Date 6/1/98 Time 11:30 Lake Acreage 522 Maximum Depth 45 Ft. Air Temperature	
Light Penetration Station Secchi Disc Depth in Meters 1.1	

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

Unit ft./m	Depth	D.O.	Temp.	pH		Depth	D.O.	Temp.	pH
*	0	11.4	24.1	8.2	550				
	5	11.5	24.1						
	10	10.6	21.7						
	15	7.1	18.5						
	20	4.8	17.1						
*	25	0.3	14.0	8.0	600				
	30	0	11.6						
	35	0	10.2						
*	40	0	9.9	7.9	600				
	45								

Wind Speed and Direction W-SW 0-5	Cloud Cover 10%
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Macrophyte Sampling Information

Additional Comments or Remarks

Prepared By Wilbert / Wakeman

Lake <u>Pike</u>	Date <u>7-12-88</u>
County <u>WASH.</u>	Time <u>11:30</u>
Storet Number _____	Lake Acreage _____
Water Body Number _____	Maximum Depth _____
Station Location _____	Air Temperature _____
Light Penetration Station _____	
Secchi Disc Depth in Meters <u>2.4</u>	

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	8.4	25.2	8.9	550				
	5	8.4	25.0						
	10	8.3	25.0						
*	15	8.1	22.4	8.75	600				
	20	0.8	20.3						
	25	0.2	17.7						
	30	0.1	13.0						
	35	0.1	10.5						
*	40	0.1	10.2	7.75	650				

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

Additional Comments or Remarks

Prepared By <u>W. K. M. / W. M. M. / W. M. M.</u>

Department of Natural Resources
Southeast District

LAKE INVESTIGATION RECORD
Form 3200-73 7-85

Lake		Date
Pike		16 Aug 88
County		Time
Washington		12:30
Storet Number		Lake Acreage
		Maximum Depth
Water Body Number		Air Temperature
0858300		95°F
Station Location		
Deepest		
Light Penetration Station		Secchi Disc Depth in Meters
		2.7

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	28		610				
	5	8.0	27.9						
	10	8.4	27.5						
	15	7.0	26.5						
*	20	2.2	24.5		600				
	25	0.6	18.0						
	30	0.2	14.0						
	35	0.2	12.5						
	40	0.1	11.5						
*	42	0.1	11.3		670				

Wind Speed and Direction	WSW 0-7 mph	Cloud Cover	0%
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Macrophyte Sampling Information

Additional Comments or Remarks

Prepared By

Department of Natural Resources
Southeast District

LAKE INVESTIGATION RECORD
Form 3200-73 7-85

Date 2-22-89	
Lake PIKE	Time 3:30
County	Lake Acreage
Storet Number	Maximum Depth
Water Body Number	Air Temperature
Station Location	
Light Penetration Station	
Secchi Disc Depth in Meters 3.25	

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

Unit ft./m	Depth	D.O.	Temp.	pH	Cond	Depth	D.O.	Temp.	pH
*	0	17.0	1.3	8.2	390				
	5	15.5	4.0						
	10	15.3	4.2						
	15	13.6	4.2						
*	20	10.8	4.0	8.11	380				
	25	10.8	4.2						
	30	9.5	4.2						
*	35	3.3	4.2	8.0	3.85				
	40								
	45								

Wind Speed and Direction	Cloud Cover 0%
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Macrophyte Sampling Information

Additional Comments or Remarks

JCI 0.3
SNOW 100% 4-6 IN

Prepared By

WAKEMAN / AARICA

Lake PIKE LAKE		Date 4-26-89
County WASHINGTON Co.		Time 13:22
Storet Number 6 7 3 1 2 3		Lake Acreage 522
Water Body Number 0 8 5 8 3 0 0		Maximum Depth 45 Ft.
Station Location Maximum depth		
Light Penetration Station		Secchi Disc Depth in Meters 1.25 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	11.6	12.0	7.75	COND 480				
	5	11.6	11.9						
	10	11.2	10.6						
	15	11.0	10.0						
	20	10.2	9.2						
	25	10.1	9.1						
	30	10.1	9.1						
	35	9.8	9.0						
	40	9.6	9.0	7.69	480				

Wind Speed and Direction	Cloud Cover 20%
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Macrophyte Sampling Information

Additional Comments or Remarks

Prepared By **JS + TA**

Lake <u>Pike</u> County _____ Storet Number _____ Water Body Number _____ Station Location _____ _____ _____	Date <u>6-27-89</u> Time <u>3:15</u> Lake Acreage _____ Maximum Depth _____ Air Temperature _____ _____ _____
Light Penetration Station _____	
Secchi Disc Depth in Meters <u>1.5 m</u>	

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	0	9.8	25.0	8.3	650				
	5	9.8	24.8						
	10	9.6	22.1						
* 15	15	6.8	17.5	8.3	620				
	20	3.7	16.2						
	25	0.4	15.0						
	30	0.2	13.2						
	35	0.2	10.9						
	40	0.2	10.5						
* 45	45	0.2	10.5	8.0	700				

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

Additional Comments or Remarks

	Prepared By _____
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Department of Natural Resources
Southeast District

LAKE INVESTIGATION RECORD
Form 3200-73 7-85

		Date	7-25-89
Lake	PIKE	Time	15:30
County		Lake Acreage	
Storet Number		Maximum Depth	
Water Body Number		Air Temperature	
Station Location			
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	10.4	26.6	8.1	650				
	5	9.8	24.3						
	10	9.6	22.2						
	15	8.0	21.3						
*	20	1.2	19.0	8.0	650				
	25	0.4	15.0						
	30	0.4	13.8						
	35	0.4	12.2						
*	40	0.4	11.5	7.7	700				

Wind Speed and Direction	Cloud Cover
	35%

Macrophyte Sampling Information

Additional Comments or Remarks

Prepared By	WAKEMAN / KISTOWA
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Lake PIKE	Date 8-21-89
County _____	Time 12:30
Storet Number _____	Lake Acreage _____
Water Body Number _____	Maximum Depth _____
Station Location _____ _____ _____	Air Temperature _____
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	
	0	7.9	23.5	8.7	600
	5	8.0	22.8		
	10	7.9	22.5		
*	15	5.8	21.8	8.7	600
	20	1.1	20.5		
	25	0.2	15.8		
	30	0.2	14		
	35	0.2	13.8	7.6	700

Depth	D.O.	Temp.	pH

Wind Speed and Direction	Cloud Cover 0%
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Macrophyte Sampling Information

Additional Comments or Remarks

Prepared By

Date 28 Feb 90	
Lake Pike	Time 1410
County Washington	Lake Acreage
Storet Number	Maximum Depth
Water Body Number	Air Temperature 30°F
Station Location	
Light Penetration Station	
Secchi Disc Depth in Meters 6.4	

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

Unit
ft./m

Depth	D.O.	Temp.	pH	
1	13.2	2	8.1	410
5	12.0	4		
10	11.3	4		
15	10.8	4		
20	10.8	4		
25	8.0	4	8.1	450
30	6.1	4		
35	4.5	4		
40	1.7	4	8.0	500

Depth	D.O.	Temp.	pH

Wind Speed and Direction

10-15 WSW

Cloud Cover

0%

Macrophyte Sampling Information

Additional Comments or Remarks

DO values may not be accurate at low range - H₂S noted in dock sands
* Park Staff indicated that GEESSE KEPT PORTIONS of the lake ice-free to approximately mid-end of Jan. 1990

Prepared By

Lake <u>PIKE LAKE</u> County <u>WASHINGTON Co.</u> Storet Number <u>6 7 3 1 2 3</u> Water Body Number <u>0 8 5 8 3 0 0</u> Station Location <u>Maximum depth</u>	Date <u>4/18/90</u> Time <u>12:45</u> Lake Acreage <u>522</u> Maximum Depth <u>45 Ft.</u> Air Temperature <u>7.5°C</u>
Light Penetration Station _____ Secchi Disc Depth in Meters <u>1.6 m</u>	

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

Unit ft./m	Depth	D.O.	Temp.	pH	COND	Depth	D.O.	Temp.	pH
	<u>0 ft</u>	<u>13.5</u>	<u>6.5</u>	<u>8.60</u>	<u>455</u>				
	<u>5</u>	<u>13.4</u>	<u>6.5</u>						
	<u>10</u>	<u>13.5</u>	<u>6.5</u>						
	<u>15</u>	<u>13.5</u>	<u>6.5</u>						
	<u>20</u>	<u>13.4</u>	<u>6.5</u>						
	<u>25</u>	<u>13.4</u>	<u>6.5</u>						
	<u>30</u>	<u>13.5</u>	<u>6.5</u>						
	<u>35</u>	<u>13.4</u>	<u>6.5</u>						
	<u>40</u>	<u>13.4</u>	<u>6.5</u>						
	<u>43</u>	<u>12.0</u>	<u>6.5</u>	<u>8.60</u>	<u>457</u>				

Wind Speed and Direction <u>0-10 SW</u>	Cloud Cover <u>0%</u>
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Macrophyte Sampling Information

Additional Comments or Remarks

Prepared By <u>JK, KA BW</u>

Date	26 Jun 90
Lake	PIKE LAKE
Time	11:40
County	
Storet Number	
Maximum Depth	45'
Water Body Number	0858300
Air Temperature	23°C

Station Location

Light Penetration Station	Secchi Disc Depth in Meters
	3.55

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

Unit ft./m	Depth	D.O.	Temp.	pH
	0	9.0	21	
	5	9.2	21	
	10	9.0	21	
	15	6.6	19	
	20	5.5	19	
max 30'	25	3.6	18	
42'	30	0.3	18	
	35	0.15	12	
	40	0.10	11	
	45	<0.10	11	

Depth	D.O.	Temp.	pH

Wind Speed and Direction	Cloud Cover
W-10 mph	75%

Macrophyte Sampling Information

Additional Comments or Remarks

Prepared By Sheridan & Meltor

Lake PIKE LAKE County WASHINGTON Co. Storet Number <u>6</u> <u>7</u> <u>3</u> <u>1</u> <u>2</u> <u>3</u> Water Body Number <u>0</u> <u>8</u> <u>5</u> <u>8</u> <u>3</u> <u>0</u> <u>0</u> Station Location <u>Maximum depth</u>	Date 7/26/90 Time 1530 Lake Acreage 522 Maximum Depth 45 Ft. Air Temperature 21.5 Light Penetration Station Secchi Disc Depth in Meters 1.5 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
x	0	10.1	24.0	9.0	550				
	5	10.4	24.0						
	10	9.0	23.0						
	15	6.5	22.0						
x	20	3.0	20.5	8.4	550				
	25	1.0	19.5						
	30	0.2	18.0						
	35	0.0	12.0						
	40	0	11.0						
+	45	0	11.0	7.4	650				

Wind Speed and Direction 5-10 E	Cloud Cover 90%
---	---------------------------

Macrophyte Sampling Information

Additional Comments or Remarks

Bob's bay

Prepared By *Kline & Mace*

Lake PIKE LAKE County WASHINGTON Co. Storet Number <u>6 7 3 1 2 3</u> Water Body Number <u>0 8 5 8 3 0 0</u> Station Location <u>Maximum depth</u>	Date <u>8-27-96</u> Time <u>2:00</u> Lake Acreage <u>522</u> Maximum Depth <u>45 Ft.</u> Air Temperature
Light Penetration Station Secchi Disc Depth in Meters <u>1.7 m</u>	

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

Unit
ft./m

Depth	D.O.	Temp.	pH
0	9.3	24.0	8.7
5	9.4	23.9	
10	9.3	23.9	
15	9.2	23.7	
* 20	8.0	21.3	8.7
25	0.0	20.1	8.2
30			

610

600

640

Depth	D.O.	Temp.	pH

Wind Speed and Direction <u>S 5-15 mph</u>	Cloud Cover <u>0/6</u>
---	---------------------------

Macrophyte Sampling Information

Additional Comments or Remarks

Prepared By
B. WAKEMAN, B. ESSERMAN

Date 3-4-91	
Lake PIKE LAKE	Time 1440
County WASHINGTON Co.	Lake Acreage 522
Storet Number <u>6</u> <u>7</u> <u>3</u> <u>1</u> <u>2</u> <u>3</u>	Maximum Depth 45 Ft.
Water Body Number <u>0</u> <u>8</u> <u>5</u> <u>8</u> <u>3</u> <u>0</u> <u>0</u>	Air Temperature
Station Location Maximum depth	
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 .317	Depth	D.O.	Temp.	pH		
	0	16.2	0.9°C	7.75							
	5	20+	3.5°								
	10	15.2	3.0°								
	15	12.0	2.5°								
	20	9.6	2.3°								
*	25	7.3	2.3°	7.4		.460					
	30	9.5	2.8°								
	35	5.8	2.2°								
	40	3.1	2.0			.544					
	45	0.3	3.2	7.4							

Wind Speed and Direction	Cloud Cover 10%
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Macrophyte Sampling Information

Ice 16"	
Snow 0%	

Additional Comments or Remarks

Prepared By B. WAKEMAN, L. WASKO	PILOT
--	-------

Lake PIKE LAKE County WASHINGTON Co. Storet Number 6 7 3 1 2 3 Water Body Number 0 8 5 8 3 0 0 Station Location Maximum depth	Date 4-18-91 Time 10:30 Lake Acreage 522 Maximum Depth 45 Ft. Air Temperature
Light Penetration Station	
Secchi Disc Depth in Meters 1.75	

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

Unit ft./m	Depth	D.O.	Temp.	pH	COND	Depth	D.O.	Temp.	pH
	0	11.0	9.3						
	5	13.3	8.5						
	10	13.1	8.2						
	15	12.8	8.2						
	20	12.0	7.5						
	25	11.3	7.0						
	30	11.2	7.0						
	35	10.9	6.9						
	40	10.3	6.5						
	45	Bottom @ 41							

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

Macrophyte Sampling Information

Additional Comments or Remarks

Prepared By

Zoop - collection 12:00

Page 6

6-26-77

Secchi - 1.75m

Depth	TEMP	D.O							
0	21.5	9.8							
5	21.5	9.8							
10	21.5	9.8							
15	21.5	9.8							
20	17	8.5	X						
25	17	8.5							
30	11	0.8							
35	10	0.75							
40	9.9	0.6							

Pike L. 7-23-91

10:30 am

DEPARTMENT OF NATURAL RESOURCES

Secchi DEPTH 1.75

[illegible]

Date 2-22-95	
Lake DIKE LK	Time 15:15
County	Lake Acreage
Storet Number	Maximum Depth
Water Body Number	Air Temperature
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	TDS	Depth	D.O.	Temp.	pH
	0	10.1	2.6	8.1	.730	.471				
	5	9.6	4.0	8.1	.744	.476				
	10	8.9	3.7	8.0	.750	.480				
	15	8.8	3.7	8.0	.755	.483				
	20	8.0	3.6	7.9	.762	.488				
*	25	6.7	3.7	7.9	.781	.500				
	30	3.8	3.8	7.7	.831	.532				
	35	3.5	3.8	7.6	.872	.558				
	40	4.0	2.0	7.6	.920	.583				
	45									

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

Additional Comments or Remarks

Prepared By

Date 4-12-95	
Lake PIKE	Time 15:40
County	Lake Acreage
Storet Number	Maximum Depth
Water Body Number	Air Temperature
Station Location	
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	TDS	Depth	D.O.	Temp.	pH
	0	12.8	4.7	8.3	.707	.453				
	5	12.8	4.7	8.4	.707	.453				
	10	12.8	4.8	8.4	.707	.453				
	15	12.8	4.8	8.4	.708	.453				
	20	12.7	4.8	8.4	.708	.453				
	25	12.7	4.8	8.4	.707	.453				
	30	12.7	4.8	8.4	.708	.453				
	35	12.7	4.8	8.4	.708	.453				
	40	12.7	4.8	8.4	.708	.453				
	45	12.6	4.7	8.4	.708	.453				

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

Additional Comments or Remarks

Prepared By

Date <u>4-15-92</u>	
Lake <u>PIKE LAKE</u>	Time <u>1:10 PM</u>
County <u>WASHINGTON Co.</u>	Lake Acreage <u>522</u>
Storet Number <u>6 7 3 1 2 3</u>	Maximum Depth <u>45 Ft.</u>
Water Body Number <u>0 8 5 8 3 0 0</u>	Air Temperature <u>40°F</u>
Station Location <u>Maximum depth</u>	
Light Penetration Station	
Secchi Disc Depth in Meters <u>1.6m</u>	

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

Cond. with YSI model 32 at 2m V

Unit ft./m	Depth	D.O.	Temp.	pH	Cond	Depth	D.O.	Temp.	pH
	0	14.4	2.0	7.1	510	0	14.4		
	5	14.4	2.0			5			
	10	14.3	2.0			10			
	15	14.3	2.0			15			
	20	14.2	2.0			20			
	25	14.2	2.0			25			
	30	14.2	2.0			30			
	35	14.1	2.0			35			
	40	14.1	1.9			40			
	41	14.1	2.0	7.0	510	41			

Wind Speed and Direction <u>E/SE 0-15 mph</u>	Cloud Cover <u>100%</u>
--	----------------------------

Macrophyte Sampling Information

Additional Comments or Remarks

100% Cloud Cover

Prepared By

		Date <u>6-25-92</u>	
Lake <u>PIKE LAKE</u>		Time <u>11:40</u>	
County <u>WASHINGTON Co.</u>		Lake Acreage <u>522</u>	
Storet Number <u>6 7 3 1 2 3</u>		Maximum Depth <u>45 Ft.</u>	
Water Body Number <u>0 8 5 8 3 0 0</u>		Air Temperature	
Station Location <u>Maximum depth</u>			
Light Penetration Station		Secchi Disc Depth in Meters <u>4.25m</u>	

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

Unit
ft./m

Unit	Depth	D.O.	Temp.	pH		Depth	D.O.	Temp.	pH
	0	11.0	14.1	8.3	Cond				
	5	11.1	13.9		610				
	10	11.1	13.3						
	15	10.7	13.2						
	20	10.2	13.0						
*	25	3.1	11.4	8.3	620				
	30	2.4	8.5						
	35	2.4	7.1	6.8	660				

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

Additional Comments or Remarks

Prepared By

DATA SHEET
FORM 3600-49

DEPARTMENT OF NATURAL RESOURCES

Pike Lake

17:00
7-13-92

[illegible]

REV. 3-71

DATA SHEET
FORM 3600-49

DEPARTMENT OF NATURAL RESOURCES

Pike HK

3-1193

10:00 Am

[illegible]

Pike Lk

1400
5-11-93

[illegible]

DEPARTMENT OF NATURAL RESOURCES
wind 3-10 mph NW
partly cloudy 75°
1:20
6-10-93

Pike Lake

[illegible]

100% clouds
T = 80°
wind SW - 5-15
12:30
7-19-93

Pike UK

REV. 3-71

Date 3/9/94	
Lake PIKE LAKE	Time 11:15 AM
County WASHINGTON Co.	Lake Acreage 522
Storet Number 6 7 3 1 2 3	Maximum Depth 45 Ft.
Water Body Number 0 8 5 8 3 0 0	Air Temperature
Station Location Maximum depth	
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
0	5.7	1.2	8.0	433
5	8.0	2.7		
10	7.2	2.4		
15	6.6	2.4		
20	6.1	2.3		
X 25	4.6	2.4	7.9	498
30	4.1	2.5		
35	2.6	2.5		
40	0.6	3.2	7.8	612
45				

Depth	D.O.	Temp.	pH	Cond

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

Macrophyte Sampling Information

Additional Comments or Remarks

43° 18' 31" N	88° 20' 2" W

Prepared By

Date 4-20-94	
Lake PIKE LK	Time 14:00
County WASH.	Lake Acreage
Storet Number _____	Maximum Depth
Water Body Number _____	Air Temperature 60°
Station Location _____ _____ _____	
Light Penetration Station	Secchi Disc Depth in Meters 1.1

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

Unit
ft./m

Depth	D.O.	Temp.	pH
0	12.9	9.5	10.7
5	12.8	9.5	10.7
10	12.7	9.5	10.7
15	12.7	9.4	10.6
20	12.4	9.4	10.6
25	12.5	9.3	10.5
30	12.4	9.3	10.5
35	11.8	9.0	10.2
40	11.2	8.4	10.1
45			

Depth	D.O.	Temp.	pH

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

Additional Comments or Remarks

Prepared By

Date 7-6-94	
Lake PIKE LAKE	Time 1500
County WASHINGTON Co.	Lake Acreage 522
Storet Number 6 7 3 1 2 3	Maximum Depth 45 Ft.
Water Body Number 0 8 5 8 3 0 0	Air Temperature
Station Location Maximum depth	

Light Penetration Station	Secchi Disc Depth in Meters 3.2 ft (0.9 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	10.24	25.6	8.5	.645				
5	10.2	25.6	8.5	.645				
10	9.7	24.3	8.5	.646				
15	6.5	22.6	8.3	.653				
20	3.0	21.5	8.1	.667				
25	0.1	20.1	7.8	.680				
* 30	0.0	13.2	7.4	.704				
35	0.0	10.8	7.3	.725				
40	0.0	10.7	7.3	.729				

Wind Speed and Direction	Cloud Cover 20%
--------------------------	--------------------

Macrophyte Sampling Information

	TDS
0	.413
5	.413
10	.413
15	.418
20	.426
25	.435
30	.457
35	.464
40	.466

Additional Comments or Remarks

Prepared By

DEPARTMENT OF NATURAL RESOURCES

8-1-94

Pike Lake

[illegible]

Date 9-8-94	
Lake Rice Lake	Time 1305
County	Lake Acreage
Storet Number	Maximum Depth
Water Body Number	Air Temperature
Station Location	
Light Penetration Station	
Secchi Disc Depth in Meters 1.3m	

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

Unit ft./m	Depth	D.O.	Temp.	pH	Cond	TD5	Depth	D.O.	Temp.	pH
	0	8.2	19.5	8.3	629	.403				
	5	8.1	19.3	8.3	630	.403				
	10	8.1	19.2	8.3	630	.403				
	15	7.9	19.2	8.3	632	.404				
	20	6.8	19.0	8.3	634	.406				
	25	3.6	18.4	8.1	645	.411				
	30	0.2	17.5	7.5	672	.429				
	35	0.1	12.9	7.0	765	.490				
	40	0	11.9	7.0	786	.503				
	43	0	11.6	6.9	799	.511				

Wind Speed and Direction	Cloud Cover 70%
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Macrophyte Sampling Information

Additional Comments or Remarks

Prepared By

Date 6-21-95	
Lake PIKE LK	Time 0937
County	Lake Acreage
Storet Number	Maximum Depth
Water Body Number	Air Temperature
Station Location	
Light Penetration Station	
Secchi Disc Depth in Meters 1.8m	

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	10.1	27.3	8.4	635	.406				
	5	10.5	27.3	8.4	635	.407				
	10	10.0	24.8	8.4	646	.414				
*	15	10.0	19.7	8.3	653	.417				
	20	4.9	16.6	7.8	680	.436				
	25	3.1	15.2	7.6	688	.440				
	30	2.7	14.9	7.6	689	.441				
	35	2.4	14.0	7.4	702	.450				
	40	1.6	12.8	7.1	731	.468				
	45	1.4	12.6	7.1	738	.472				

Wind Speed and Direction ENE 7-18 mph	Cloud Cover 0%
--	-------------------

Macrophyte Sampling Information

Additional Comments or Remarks

Prepared By

Date 7-25-95	
Lake PIKE LAKE	Time 12:55
County	Lake Acreage
Storet Number	Maximum Depth 35 FT.
Water Body Number	Air Temperature
Station Location	

Light Penetration Station	Secchi Disc Depth in Meters 1.7 m
---------------------------	--------------------------------------

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

Unit
ft./m

Depth	D.O.	Temp.	pH	COND	TPS	Depth	D.O.	Temp.	pH
0	9.01	26.38	8.74	600	.384				
5	9.04	26.28	8.74	600	.384				
10	9.15	26.01	8.75	599	.384				
15	1.6	23.6	8.3	615	.394				
20	0.0	19.8	7.9	632	.404				
25	0.0	16.6	7.8	659	.422				
30	0.0	14.6	7.7	678	.433				
35	0.0	13.4	7.5	701	.448				

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

Macrophyte Sampling Information

Additional Comments or Remarks

Prepared By

Pike Lake
8/31/95

Depth	Temp	pH	Cond	TDS	DO
0	24.76	7.88	0.579	0.37	8.1
5	24.72	7.86	0.579	0.371	8.1
10	24.68	7.84	0.58	0.371	8.08
15	24.66	8.03	0.58	0.371	8.07
20	24.5	8.04	0.582	0.372	7.04
*25	18.21	7.33	0.657	0.421	0.15
30	15.27	7.06	0.683	0.437	0
35	13.82	6.94	0.706	0.452	0

SECCHI = 1.3 m

Pike Lake, Washington Co.
Sample Date: 2/20/96
Sample Location: Deep Hole

	Temp.	pH	SpCond	TDS	DO	Depth
155756	3.22		8.02	0.657	0.421	10.05 2
160248	3.75		8.04	0.656	0.42	9.92 5
163029	3.86		7.86	0.66	0.423	7.79 10
161021	3.78		7.83	0.66	0.422	7.02 15
161455	3.84		7.76	0.663	0.425	5.86 20
161727	3.85		7.69	0.667	0.427	4.58 25
162033	3.98		7.62	0.673	0.431	2.47 30
162328	3.99		7.58	0.689	0.441	1.98 35
162522	4.31		7.51	0.731	0.468	0.43 40
162627	5.05		7.3	0.793	0.507	0.07 43

~~SECCHI~~

SECCHI = ?

Date 5-7-96	
Lake Pike Lake	Time 1030
County	Lake Acreage
Storet Number _____	Maximum Depth
Water Body Number _____	Air Temperature
Station Location _____ _____	
Light Penetration Station	Secchi Disc Depth in Meters 2.75 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	10.3	10.0	8.2	588	.376				
	5	10.3	10.0	8.2	588	.376				
	10	10.3	10.0	8.2	588	.376				
	15	10.3	9.9	8.2	"	.376				
	20	10.3	9.9	"	"	.376				
	25	10.3	9.9	"	"	.376				
	30	10.2	9.8	"	"	.377				
	35	10.0	9.7	"	"	.377				
	40	9.8	9.6	"	589	.377				
	45	9.8	9.6	"	589	.377				

Wind Speed and Direction SE 5-10	Cloud Cover 100 %
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Macrophyte Sampling Information

Additional Comments or Remarks

SPRING TURNOVER SAMPLING

Prepared By

Date <u>6-27-96</u>	
Lake <u>PIKE LK.</u>	Time <u>15:14</u>
County	Lake Acreage
Storet Number	Maximum Depth
Water Body Number	Air Temperature
Station Location	
Light Penetration Station	
Secchi Disc Depth in Meters <u>2.0m</u>	

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

Unit ft/m	Depth	D.O.	Temp.	pH	COND	TDSS	Depth	D.O.	Temp.	pH
	<u>SURF</u>	<u>10.34</u>	<u>23.89</u>	<u>8.4</u>	<u>341</u>	<u>.533</u>				
	<u>5</u>	<u>10.22</u>	<u>23.61</u>	<u>8.4</u>	<u>341</u>	<u>.532</u>				
	<u>10</u>	<u>10.19</u>	<u>23.23</u>	<u>8.4</u>	<u>340</u>	<u>.532</u>				
<u>*</u>	<u>15</u>	<u>5.91</u>	<u>19.51</u>	<u>8.1</u>	<u>351</u>	<u>.546</u>				
	<u>20</u>	<u>3.61</u>	<u>15.92</u>	<u>7.8</u>	<u>369</u>	<u>.577</u>				
	<u>25</u>	<u>0.70</u>	<u>14.59</u>	<u>7.6</u>	<u>377</u>	<u>.589</u>				
	<u>30</u>	<u>0.08</u>	<u>12.96</u>	<u>7.5</u>	<u>386</u>	<u>.603</u>				
	<u>35</u>	<u>0.10</u>	<u>12.96</u>	<u>7.5</u>	<u>390</u>	<u>.609</u>				

Wind Speed and Direction <u>SW 5-10 mph</u>	Cloud Cover <u>0%</u>
Macrophyte Sampling Information	

Additional Comments or Remarks

Prepared By

TG

Date 7-24-96	
Lake PIKE LK	Time 1400
County	Lake Acreage
Storet Number	Maximum Depth
Water Body Number	Air Temperature
Station Location	
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	TDS	Depth	D.O.	Temp.	pH
0	9.8	22.8	8.4	594	.380				
5	9.7	22.8	8.4	594	.380				
10	9.6	22.7	8.4	594	.380				
15	7.8	21.9	8.3	598	.383				
20	0.6	19.3	7.7	638	.408				
* 25	0.1	15.1	7.5	679	.435				
30	0.1	13.3	7.4	693	.444				
35	0.1	12.5	7.2	707	.453				
40	0.1	12.0	7.2	719	.460				
45	0.1	11.6	7.1	734	.470				

Wind Speed and Direction WSW 5-10	Cloud Cover 80%
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Macrophyte Sampling Information

Additional Comments or Remarks

Prepared By

Date 8-27-96	
Lake Pike Lk	Time 1200
County	Lake Acreage
Storet Number	Maximum Depth
Water Body Number	Air Temperature
Station Location	
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	COND	TDS	Depth	D.O.	Temp.	pH
	1	7.8	23.3	8.6	567	363				
	5	7.7	23.3	8.6	567					
	10	7.7	23.3	8.7	567	363				
	15	7.6	23.2	8.7	568					
	20	0.2	20.4	7.9	612	393				
	25	0.2	15.7	7.5	661					
	30	0.1	13.5	7.4	705	449				
	35	0.1	12.3	7.2	722					
	40	0.1	11.8	7.2	742	475				
	45									

Wind Speed and Direction	Cloud Cover
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Macrophyte Sampling Information

Additional Comments or Remarks

Prepared By

Lake <u>Pike LK</u>		Date <u>3/6/97</u>
County		Time <u>0844</u>
Storet Number		Lake Acreage
Water Body Number		Maximum Depth
Station Location		Air Temperature
Light Penetration Station		
Secchi Disc Depth in Meters <u>2.3 m</u>		

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

Unit
ft./m

Depth	D.O.	Temp.	pH	Corr	YDS	Depth	D.O.	Temp.	pH
0	10.2	0.8	7.6	285	.1103				
5	10.2	4.3	7.7	636	.408				
10	7.7	4.1	7.6	652	.418				
15	6.2	3.9	7.5	656	.420				
* 20	6.3	3.9	7.5	660	.423				
25	3.7	3.9	7.2	668	.427				
30	2.0	4.0	7.2	676	.432				
35	0.8	4.0	7.1	685	.439				
40	0.3	4.2	7.0	731	.468				
44 + 15	0.2	4.3	6.6	889	.566				

Wind Speed and Direction	Cloud Cover <u>80%</u>
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Macrophyte Sampling Information

Additional Comments or Remarks

Prepared By

Date 5/6/97	
Lake Pike LK	Time 1330
County	Lake Acreage
Storet Number	Maximum Depth
Water Body Number	Air Temperature
Station Location	
Light Penetration Station	
Secchi Disc Depth in Meters 2.50 1.9m	

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
0	10.5	11.3	8.3	647	.414	50			
5	10.4	11.3	8.3	647	.414				
10	10.4	11.3	8.3	647	.414				
15	10.3	11.2	8.3	647	.414				
20	10.3	11.0	8.3	647	.414				
25	10.3	11.0	8.3	646	.414				
30	10.3	11.0	8.3	647	.414				
35	10.3	11.0	8.3	647	.414				
40	10.2	11.0	8.3	647	.414				
45	9.8	10.8	8.3	648	.415				

Wind Speed and Direction

Cloud Cover
20%

Macrophyte Sampling Information

Additional Comments or Remarks

Prepared By

Date 7-1-97	
Lake Pike Lake	Time 1317-
County WASH	Lake Acreage
Storet Number	Maximum Depth
Water Body Number	Air Temperature
Station Location	
Light Penetration Station	
Secchi Disc Depth in Meters 1.6M	

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

Unit ft./m	Depth	D.O.	Temp.	pH
PT1	0	9.54	27.10	8.46
	5	9.30	26.27	8.45
	10	9.10	25.99	8.45
PT2	15	7.62	21.84	8.30
	20	1.14	17.84	7.77
	25	0.15	14.78	7.55
	30	0.12	13.59	7.54
PT3	35	0.12	13.16	7.46
	40	0.12	12.67	7.36

Depth	D.O.	Temp.	pH
0	598	2.383	
5	600	0.387	
10	600	0.384	
15	625	0.400	
20	662	0.424	
25	677	0.434	
30	682	0.436	
35	688	0.440	
40	699	0.447	

Wind Speed and Direction	Cloud Cover
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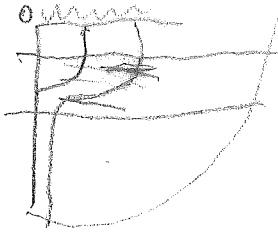
Macrophyte Sampling Information

Additional Comments or Remarks

Sample @

PT1 = 10 feet
PT2 = 15 feet
PT3 = 40 feet

Prepared By



Date 7-30-97

Lake PIKE LK Time 1100

County _____ Lake Acreage _____

Storet Number _____ Maximum Depth _____

Water Body Number _____ Air Temperature _____

Station Location _____

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	COND	TDS	Depth	D.O.	Temp.	pH
*	0	8.3	25.3	8.6	584	.374				
	5	8.3	24.2	8.6	584	.374				
	10	8.3	24.1	8.6	583	.373				
	15	8.1	23.7	8.6	584	.374				
*	20	0.2	21.8	7.9	612	.392				
	25	0.1	17.0	7.6	665	.426				
	30	0.1	14.4	7.5	691	.442				
	35	0.1	13.5	7.4	702	.449				
	40	0.1	12.7	7.3	719	.460				
*	45	0.1	12.6	7.3	725	.464				

Wind Speed and Direction NNE 7-15 Cloud Cover 0%

Macrophyte Sampling Information _____

Additional Comments or Remarks _____

Prepared By _____

Date <u>9/15/97</u>	
Lake <u>Pike</u>	Time <u>10:15 a.m.</u>
County _____	Lake Acreage _____
Storet Number _____	Maximum Depth <u>40.0 Ft.</u>
Water Body Number _____	Air Temperature <u>73° F.</u>
Station Location <u>Deep hole</u>	
Light Penetration Station _____	
Secchi Disc Depth in Meters <u>1.5 m.</u>	

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

Unit
ft./m

Depth	D.O.	Temp.	pH	Cond.
5	9.78	20.31	8.35	587
10	8.84	20.04	8.32	588
15	7.46	19.56	8.26	590
20	6.62	19.35	8.19	591
* 25	3.65	19.03	7.99	599
30	0.14	17.16	7.34	646
35	0.09	13.36	7.00	734

Depth	D.O.	Temp.	pH

Wind Speed and Direction <u>calm</u>	Cloud Cover <u>10% clouds; hazy</u>
Macrophyte Sampling Information	

Additional Comments or Remarks

* 25 ft is mid-depth used for phosphorus
Sulfur smell from bottom sample.

Prepared By

S. Toshner + T. Crone

Pike Lake
4/1/98

TEMP.	pH	SpCond	TDS	DO	Depth
9.21	8.52	595	0.381	11.14	1
9.17	8.53	596	0.381	11.11	5
9.11	8.53	596	0.381	11.08	10
9.09	8.54	596	0.382	11.03	15
9.09	8.54	596	0.382	10.99	20
9.07	8.54	597	0.382	11.04	25
9.04	8.54	597	0.382	11	30
8.92	8.54	597	0.382	10.99	35
8.82	8.53	597	0.382	10.87	40
8.75	8.54	597	0.382	10.85	45

Pike Lake
7-2-98

Temp	pH	SpCond	TDS	DO	Depth
25.95	8.63	545	0.349	8.49	1
25.93	8.66	545	0.349	8.72	5
25.77	8.66	547	0.35	8.74	10
24.03	8.44	561	0.359	6	15
18.53	7.94	589	0.377	0.64	20
16.16	7.73	598	0.383	0.2	25
14.25	7.58	610	0.39	0.17	30
12.47	7.44	629	0.402	0.15	35
11.74	7.38	633	0.405	0.13	40
11.56	7.34	639	0.409	0.12	45

SECCHI DEPTH 1.5 m

Pike Lake
7-28-98

TEMP	pH	SpCOND	TDS	DO	DEPTH
24.74	8.25	527	0.337	8.77	1
24.74	8.27	527	0.337	8.74	5
24.67	8.27	527	0.337	8.58	10
24.56	8.26	529	0.339	8.31	15
20.03	7.53	597	0.382	0.7	20
16.26	7.2	622	0.398	0.17	25
14.06	7.11	629	0.403	0.15	30
12.97	7.02	647	0.414	0.13	35
12.48	6.96	656	0.42	0.11	40

SD = 1.4/m

Wash Co.

DNR BASELINE MONITORING

Lake Name Pike Lake Date 09/18/00 Time 0950

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

WBIC 0858300 % Cloud Cover/Precip 0%

Observers Bob Wind Speed 5-15 mph from SW Direction
George

Field Measurements and Observations

Secchi Disk 1.5 (m) or ft Custer Color Strip Reading 3

Algae Development – Not apparent _____
 Slight (just visible) _____
 Moderate (quite noticeable) X
 Heavy (very green) _____

Site depth 45 (m or ft)

pH at 1 meter 8.4

Profiles

[illegible]

Meter Type and ID Number(s) _____

Water Samples	
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Depth of Integrated Water Sample 32 m or ft SLH Field Number _____

Amount filtered for chlorophyll 500 mLs

Comments / Observations	

Ambient

Wash Co.

DNR BASELINE MONITORINGLake Name Pike Lake Date 02/28/01 Time 11:30Sample Location (e.g., deepest point in basin) DEEPEST POINT IN BASINWBIC 673123 % Cloud Cover/Precip 40%Observers B. WAKEMAN Wind Speed 10 mph from SW Direction
B. CULLAN**Field Measurements and Observations**Secchi Disk 3.8 (m or ft) Custer Color Strip Reading _____Algae Development – Not apparent X
Slight (just visible) _____
Moderate (quite noticeable) _____
Heavy (very green) _____Site depth 45 (m or ft)pH at 1 meter 8.4**Profiles**

Depth ft or m	DO mg/L	Tmp °C	Cond µS	Depth ft or m	DO mg/L	Tmp °C	Cond µS	Depth ft or m	DO mg/L	Tmp °C	Cond µS
0.6	11.86	1.32	656	31.6	3.34	3.70	707				
3.1	10.98	3.52	651	37.4	0.89	0.89	880				
6.2	10.18	3.51	653								
8.2	10.18	3.51	653								
12.9	6.36	3.42	660								
19.0	5.44	3.56	665								
24.4	4.43	3.63	678								
28.3	4.13	3.63	685								
28.4	4.22	3.61	684								
28.6	4.20	3.63	684								

Meter Type and ID Number(s) HYDRELLO SURV. 3**Water Samples**

Depth of Integrated Water Sample _____ m or ft SLH Field Number _____

Amount filtered for chlorophyll 1000 mLs**Comments / Observations**

DNR BASELINE MONITORING

Time 12:10 PM

WBIC 0252300

% Cloud Cover/Precip Clear/Dry

Observers Bunk

Wind Speed 15 mph from SW Direction

Bennighoff

Field Measurements and Observations

Secchi Disk 2.4 (m or ft)

Custer Color Strip Reading _____

Algae Development – Not apparent _____

Site depth 40 (m or ft)

Slight (just visible) _____

Moderate (quite noticeable) X

Heavy (very green)

pH at 1 meter 8.14

Profiles

Depth ft or m	DO mg/L	Tmp °C	Cond µS	Depth ft or m	DO mg/L	Tmp °C	Cond µS	Depth ft or m	DO mg/L	Tmp °C	Cond µS
1	11.14	14.15	604	30	8.92	12.46	605				
3	11.08	14.13	603	33	8.99	12.28	605				
6	11.06	14.03	604	36	8.20	12.2	605				
9	11.00	13.99	603	39	8.03	12.14	607				
12	10.97	13.96	603								
15	10.97	13.94	602								
18	10.86	13.76	602								
21	10.55	13.51	603								
24	10.14	13.05	602								
27	9.58	12.62	603								

Meter Type and ID Number(s) Hydrolab Surveyor 3

Water Samples

Depth of Integrated Water Sample 1 m or ft SLH Field Number PIKE 1 / 194

Amount filtered for chlorophyll 800 mLs

PIKE 2 35 ft

Comments / Observations	

DNR BASELINE MONITORING

Lake Name Pike Lake Date 7 / 11 / 01 Time 10.36

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

WBIC _____

% Cloud Cover/Precip 30

Observers Heidi Bank
Mike Graff

Wind Speed (5)0 mph from NE Direction

Field Measurements and Observations

Secchi Disk 1.27 (m or ft)

Custer Color Strip Reading _____

Algae Development – Not apparent _____

Site depth 41 (m or ft)

Slight (just visible) _____

Moderate (quite noticeable) X

pH at 1 meter 9.1

Heavy (very green) _____

Profiles

Depth ft or m	DO mg/L	Tmp °C	Cond µS	Depth ft or m	DO mg/L	Tmp °C	Cond µS	Depth ft or m	DO mg/L	Tmp °C	Cond µS
1 ft.	9.76	25.8	551								
5	9.76	25.56	551								
10	9.5	25.21	551								
15	7.35	20.4	564								
20	1.02	17.2	578								
25	0.2	15.5	612								

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

DNR BASELINE MONITORING

Lake Name Pike Lake Date 6/27/01 Time 10:23 AM
 Sample Location (e.g., deepest point in basin) Deep Spot @ 35 ft
 WBIC 08 58 300 % Cloud Cover/Precip 0% clear/dry
 Observers Gabe Powers Wind Speed 0 mph from Direction
Heidi Bunkle

Field Measurements and Observations

Secchi Disk 1.1 (m or ft) Custer Color Strip Reading
 Algae Development – Not apparent Site depth 35 (m or ft)
 Slight (just visible)
 Moderate (quite noticeable) pH at 1 meter 8.73
 Heavy (very green) X

Profiles

Depth ft or m	DO mg/L	Tmp °C	Cond µS	Depth ft or m	DO mg/L	Tmp °C	Cond µS	Depth ft or m	DO mg/L	Tmp °C	Cond µS
1	11.21	25.27	557	45	0.17	14.50	611				
3	11.50	24.84	559								
5	11.58	24.60	558								
10	11.57	23.98	559								
15	7.58	20.74	577								
20	5.45	16.71	596								
25	0.96	15.03	608								
30	0.33	14.67	607								
35	0.24	14.55	609								
40	0.14	14.61	610								

Meter Type and ID Number(s) Hydrolab Surveyor 3

Water Samples

Depth of Integrated Water Sample 0-6 m or ft SLH Field Number PIKE1
 Amount filtered for chlorophyll 500 mLs PIKE2 @ 30 ft
pH 7.85

Comments / Observations

pH 7.82 @ 45 ft

Ben C.
cell

263 8696
8707

DNR BASELINE MONITORING

Lake Name Pike Date 04 / 07 / 04 Time 10:23 AM
 Sample Location (e.g., deepest point in basin) Deep Spot @ 43 ft
 WBIC _____ % Cloud Cover/Precip 80% Sunny / Dry
 Observers Rachel Gail Wind Speed 5-10 mph from SE Direction
Heidi Bunk

Field Measurements and Observations

✓ Secchi Disk 25 m (m or ft) Custer Color Strip Reading 2.0
 Algae Development – Not apparent _____ Site depth 43 (m or ft)
 Slight (just visible) _____
 Moderate (quite noticeable) X _____
 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	11.83	8.67	629	33	11.55	7.81	629				
6	11.81	8.64	628	36	11.50	7.77	629				
9	11.83	8.54	630	39	11.46	7.72	629				
12	11.82	8.47	629	42	11.19	7.53	629				
15	11.73	8.42	630	45							
18	11.72	8.40	629								
21	11.74	8.32	629								
24	11.69	8.01	628								
27	11.67	7.94	629								
30	11.61	7.84	629								

Meter Type and ID Number(s) Hydrolab Sverdrup 3

Water Samples

Depth of Integrated Water Sample _____ m or ft SLH Field Number Pike 1
 Amount filtered for chlorophyll _____ mLs

Comments / Observations

N 43° 18.568' Elevation 993.0 ft
 W 088° 20.004' Accuracy 27.2 ft

DNR BASELINE MONITORING

Lake Name Pike Lake

Date 8/02/04

Time 11:20 AM

Sample Location (e.g., deepest point in basin) Deep Spot @ 40 ft

WBIC _____

% Cloud Cover/Precip 100% Chased off by thunderstorm

Observers Campfield

Wind Speed 10 mph from NW Direction

Bunk

Field Measurements and Observations

Secchi Disk 2.25 (m or ft)

Custer Color Strip Reading _____

Algae Development – Not apparent _____

Site depth 40 (m or ft)

Slight (just visible) _____

Moderate (quite noticeable) ☒ _____

pH at 1 meter 8.16

Heavy (very green) _____

Profiles

Depth ft or m	DO mg/L	Tmp °C	Cond µS	Depth ft or m	DO mg/L	Tmp °C	Cond µS	Depth ft or m	DO mg/L	Tmp °C	Cond µS
3	8.21	23.91	577	33	0.57	16.33	619				
6	8.44	23.90	576	36	0.35	15.10	634				
9	8.53	23.90	578								
12	8.58	23.87	578								
15	8.63	23.88	577								
18	6.39	23.19	580								
21	2.64	21.17	600								
24	0.75	19.47	604								
27	0.53	18.24	609								
30	0.44	17.01	614								

Meter Type and ID Number(s) Hydrolab Surveyor 3

Water Samples

Depth of Integrated Water Sample 0-6 m or ft SLH Field Number Pike 1

Amount filtered for chlorophyll _____ mLs

Comments / Observations

N 43° 18.642'
W 088° 20.021'
Accur 11.0 ft
Elevation 996