

2016		Green Lake, Green Lake County, Wisconsin, USA							
WEST BASIN		HIGHWAY A, Inlet Rd.			CUSTER COLORS			PUBLIC (1-5)	
DAY/DATE	TIME	SECCHI (FT)	LAKE LEVEL (FT)	COLOR (EYE)	DEEP-WATER	1/2 SECCHI	1/2 M (2 FT)	PERCEPTION	
Fri Jn 3	1:10	5.0	6.60	brown	murky	3	2	5	
Wed Jn 8	10:20	7.0	6.56	brown	murky	2	2	4	
Fri Jn 17	11:00	28.0	6.67	blue	<i>clear</i>	4	1.5	1	
Fri Jn 24	10:45	36.25	6.49	green	<i>clear</i>	4	2	4	
Sat Jul 2	12:10	16.0	6.44	green	murky	4	1.5	4	
Mon Jul 18	10:00	13.0	6.44	green-brown	murky	4	2	4	
Mon Aug 1	10:08	12.5	6.49	green	murky	3	2	3	
Mon Aug 15	9:50	14.0	6.45	green	murky	4	2	3	
Thu Aug 25	1:20	11.5	6.45	green-brown	murky	3.5	2	3	
Mon Aug 29	10:15	18.0	6.46	green-brown	murky	3	2	3	
Sun Sep 18	11:25	22.5	6.44	green-brown	murky	4	2	3	
Sun Oct 16	12:00	18.0	6.17	green-brown	murky	4	1	3	
<b>AVERAGES</b>		<b>16.7</b>	sea level +790'			<b>3.5</b>	<b>1.8</b>	<b>3.3</b>	
			max=796.67' Jun 17						
			min=796.17' Oct 16						
<b>2016</b>									
EAST BASIN		AT MONITORING DATES			CUSTER COLORS			PUBLIC (1-5)	
DAY/DATE	TIME	SECCHI (FT)	GLSD RAIN (IN.)	COLOR (EYE)	DEEP-WATER	1/2 SECCHI	1/2 M (2 FT)	PERCEPTION	
Fri Jn 3	1:45	5.0	45	brown	murky	2	2	5	
Wed Jn 8	11:40	6.5	0.2	brown	murky	2	2	4	
Fri Jn 17	12:00	27.5	4.1	blue	<i>clear</i>	4	1.5	1	
Fri Ju 24	11:30	34.0		very green	<i>clear</i>	4	1.5	4	
Sat Jul 2	12:50	18.0	1.8	green	murky	4	1	4	
Mon Jul 18	10:30	8.5	4.1	green-brown	murky	4	2	4	
Mon Aug 1	10:30	14.0	3.2	green	murky	3	1.5	3	
Mon Aug 15	10:30	11.0	1.7	green	murky	3.5	2	4	
Thu Aug 25	2:00	9.5	3.2	very green	murky	2	2	4	
Mon Aug 29	11:02	10.0	1.2	very green	murky	2	2	3	
Sun Sep 18	12:23	19.0	8.1	green	murky	4	2	3	
Sun Oct 16	1:20	12.0	7.6	grn-brwn-red	murky	3	1	4	
<b>AVERAGES</b>		<b>14.6</b>	<b>80.2</b>			<b>3.1</b>	<b>1.7</b>	<b>3.6</b>	
			<b>TOTAL IN.</b>						
			<b>35 Rain Events</b>			<b>MJB'S Ranked "Public Perception" (1-5):</b>			
						1. Beautiful, could not be nicer.			

						2. Very minor aesthetic problems, great for swim
Winter before 2016 summer records: Ice on lake = 27 days.						3. Swimming and aesthetic enjoyment slightly im
Freeze date = 2/14/16; Thaw date = 3/12/16.						4. Desire to swim and lake enjoyment very much
(These data are available from 1939 at Green Lake Sanitary District).						5. Swimming and aestheic enjoyment nearly imp

Page 1 of 7		<b>Table 1</b>	<b>INFORMATION AND COMMENTS ON MONITORING BOTH EAST &amp; WEST DEEP-WATER STATIONS, GREEN LAKE</b>				
TEMPERATURES (F)		<b>2016 DATES</b>					Page 2 of 7
AIR	LAKE SURFACE	<b>03-Jun</b>	Lake water very brown. Two high schools of minnows in shallow & deeper areas. Some <i>Fragillaria</i> & <i>Staurastrum</i> while <b>G</b> , filamentous algae are mainly <i>Cladophora</i> , <i>Keratella</i> spp., <i>Kellicotia</i> , <i>Bosmina</i> , <i>Daphnia</i> & <i>Cyclops</i> . Masses of land seeds <i>sphaerella limnetica</i> ?)				
80	68	<b>08-Jun</b>	Murky lake surface scummy with dead insects and terrestrial seeds. Macrophytes & evidence of carp spawning near pier with one large (female) followed close by <i>Lyngbya</i> & <i>Oscillatoria</i> ; <b>G</b> : <i>Spirogyra</i> , <i>Cladophora</i> , <i>Botryococcus</i> , <i>Pediastrum</i> many <i>Nauplii</i> ; <b>DIAT</b> : <i>Fragillaria</i> , <i>Navicula</i> , <i>Stephanodiscus</i> & <i>Asterionella</i> . Co				
70	64						
78	71						
78	76						
80	77						
75	76	<b>17-Jun</b>	Lake clearing & no <b>BG</b> 's or weeds evident. <i>Ceratium</i> present for 1st time & a lot of <i>Conochilus unicornis</i> very abund. as are minnows at many piers. Tons of fish spawning by higher fence at West estuary (Hghy K). Today SE shore's bed of				
79	80						
75	75						
77	76						
77	75						
70	72	<b>24-Jun</b>	Lake water very clear showing zebra mussels growing on rocks in shallow water. <i>Gleotrichia</i> , <i>Gloeocapsa</i> , <i>Microcystis</i> & <i>Oscillatoria</i> ; <b>G</b> : have 10 different spp.				
66	61		East wind pushed duckweed & common watermeal out on lake from Silver Creek				
<b>75.4</b>	<b>72.6</b>	<b>02-Jul</b>	No minnows observed today. Motorboat slop as many boats & water is murky. <i>Daphnidia</i> showing resting stage (= <i>Ephippia</i> ). <b>ZMv</b> & <i>Ceratium</i> are abundant. Vultures picking <u>dead carp</u> to bones while other animals ate bodies leaving the				
TEMPERATURES (F)		<b>18-Jul</b>	Lake very murky with skim of <b>BG</b> at surface & visible down several inches: A lot more spp.; ALL <b>G</b> : <i>Sphaerocystis</i> , <i>Chlorophyta</i> , <i>Coelastrum</i> , <i>Gloeocystis</i> , <i>Oocystis</i>				
AIR	LAKE SURFACE	Gulls abundant and molted feathers show up from now on.					
80	69	<b>01-Aug</b>	Some flowers of wild celery at surface as are many other weeds. Many gulls are abundant; <b>BG</b> : <i>Anabaena</i> spp, <i>Gleotrichia</i> , <i>Microcystis</i> (+8 spp); <b>G</b> : <i>Sphaerocystis</i> (+1); <b>DES</b> : <i>Staurastrum</i> (+1); & <b>ZOO</b> : <b>ZM v's</b> , <i>Keratella cochleari</i> (+9)				
72	65						
82	71						
85	78	<b>15-Aug</b>	At surface are wild celery flowers and many other taxa of weeds so it's impossible to say where motorboats are moved in and out of piers are the weeds lacking				
85	86						
80	76	<b>25-Aug</b>	Serious quantities of weeds growing in littoral zone often torn off & floating. Today minnows at piers again & noticed 2 cormorants, 2nd batch of ducklings				
80	77		NOTE: (1) <i>Anabaena flos aqua</i> , (2) <i>A. helicoidea</i> (regularly coiled) & (3) a very				
80	80						
80	79	<b>29-Aug</b>	Many floating & growing native weeds, some filamentous algae & MANY wild pelicans high over lake, 2 cormorants & at pier were school of minnows, one				
82	77		<i>Gleotrichia</i> spp., <i>Microcystis</i> spp., <i>Aphanocapsa</i> , <i>Aphanotheca</i> , <i>Chroococcus</i> , <i>Gomphosphaeria</i> . <b>ROT.</b> : <i>Keratella cochlearis</i> , <i>Conochilus unicornis</i> , <i>Colotheca</i>				
72	72						
68	62	<b>18-Sep</b>	Two monarch butterflies, many gulls, line of 8 carp cruised past pier this week. Small flock of coots in Dartford Bay. No plankton tow today.				
<b>78.8</b>	<b>74.3</b>	<b>16-Oct</b>	East station has a very scummy and colorful surface compared to West station				

mimg/boating.		over lake today & 7 observed earlier in week on drive to Berlin. Most Abun.
paired (algae).		<i>Microcystis spp.</i> ; <b>G</b> : <i>Gloecystis</i> ; <b>Dino&amp;Proto.:</b> <i>Ceratium, Vorticella</i> ; <b>DIA.:</b>
reduced (algae).		Desmidium; <b>ZOO.:</b> <i>Cyclops &amp; Daphnia</i> & <b>ROT.:</b> <i>Polyarthra</i>
ossible (algae).	<b>BG</b> = blue-green algae; <b>G</b> = green algae; <b>DINO.&amp; PROTO</b> = dinoflag. & protozoa; <b>DIA</b> = diatoms; <b>DES&amp;</b>	
	<b>ROT</b> = rotifers, Metazoans.	

E, GREEN LAKE COUNTY, WI. U.S.A.		HYDROLAB DS5; June 8, 2016 at two monitoring stations							
Table 2		WEST	DEPTH	TEMP.	DO	DO	SPC	TDS	pH
			M	C.	%	mg/l	mS/cm	mg/l	
ound pier & several carp! No <b>BG</b> algae.			2	18	145	11.4	482	30.80	8.7
<i>Chlorella</i> & <i>Spirogyra</i> . Many Zooplankton:			5	17	148	11.7	482	30.82	8.7
small black solids some very sharp (= Echino-			10	17	132	10.7	487	31.14	8.6
bytes not visible. Two high schools of minnows			15	8	104	10.1	496	31.80	8.0
ly by several smaller carp (males). <b>BG</b> :			20	7	106	10.7	498	31.89	7.9
; <b>ZOO</b> : see above plus <i>Conochilus unicornis</i> &			25	6	112	11.6	496	31.79	7.9
onifer pollen, pieces of plants & animals, debris!		EAST	DEPTH	TEMP.	DO	DO	SPC	TDS	pH
Also ZOO> <i>Leptodorus</i> & <i>Polyarthra</i> . Colonies			M	C.	%	mg/l	mS/cm	mg/l	
floating dead & decaying carp killed as prevented			2	18	146	11.4	484	30.99	8.8
curly-leaf pondweed is being harvested.			5	18	146	11.4	481	30.81	8.8
ter and 1st micro view of a <b>ZMv</b> . * <b>BG</b> :			10	13	103	8.8	495	31.69	8.3
Many floating, dead carp & many minnows.			15	9	97	9.4	498	31.91	8.0
week. Wild celery beds seen up from bottom.			20	7	109	11.2	498	31.87	8.0
y. Weeds close to surface along north shore.			25	6	112	11.5	498	31.86	7.9
t. Still many dead carp - especially on east shore.		Mary Jane Bumby, Volunteer Monitor, Green Lake.						Second Report: J	
le scales/skin on the shores. Smelly!									
<i>Anabaena flos aqua</i> , <i>Gleotrichia echinulata</i> plus 7									
<i>Cyrtosira</i> , <i>Bortyococcus</i> , <i>Mouteotia</i> & unknown.		HYDROLAB DS5: June 17, 2016 at two monitoring stations.							
		WEST	DEPTH	TEMP.	DO	DO	SPC	TDS	pH
			M	C.	%	mg/l	mS/cm	mg/l	
& their floating, molted feathers present. Very			2	21	135	10	486	31.19	8.7
<i>Cyrtosira</i> (+11); <b>Dino</b> : <i>Ceratium</i> (+5); <b>DIA</b> : <i>Fragil-</i>			5	21	129	9.9	488	31.20	8.7
). <i>Unknown filaments</i> , debris, pieces of P's & A's.			10	20	113	8.7	495	31.65	8.5
isible to use ladders & swim at piers. Only			15	9	90	8.6	507	32.49	7.9
. Floating weeds are also a nuisance.			20	7	100	10.2	506	32.40	8.0
s & floating molted gull feathers.			25	6	109	11.2	507	32.40	8.0
ery straight <i>A. sp.</i> I called <i>Nodularia</i> ? previously		EAST	DEPTH	TEMP.	DO	DO	SPC	TDS	pH
celery fruits forming. Gulls very abundant, flock			M	C.	%	mg/l	mS/cm	mg/l	
carp & several panfish. <b>ALL BG</b> : <i>Anabaena spp.</i> ,			2	21	120	8.8	492	31.44	8.7
<i>Coelosphaerium</i> , <i>Gleocapsa</i> , <i>Oscillatoria</i> &			5	20	116	8.8	493	31.53	8.6
<i>A. (no tube)</i> & <i>Polyarthra</i> .			10	13	88	7.5	505	32.32	8.0
k. Many torn-out macrophytes floating - mainly			15	10	86	8.1	507	32.41	7.9
			20	7	92	9.3	507	32.48	8.4
n. One monarch butterfly observed			25	7	100	10.2	508	32.51	8.0

<b>BG</b> Algae: <i>Anabaena flos aqua</i> , <i>Coelosphaerium</i> ,		<b>Mary Jane Bumby, Volunteer Monitor, Green Lake.</b>	<b>Third Report: Ju</b>
Fragillaria; <b>Des &amp; GOL:</b> <i>Cosmarium</i> &	* ZM v's : microscopic view of <i>Zebra Mussel</i> (ZM) <i>velligers</i> (v's) identified as most-like 15 day <b>ZM v's</b>		
<b>GOL</b> = desmids & "golden" <b>ZOO:</b> = zooplank			
	according to colored photos from Ontario Ministry of Natural Resources.		

**Table 3**

**HYDROLAB DS5: June 24, 2016 at two monitoring stations**

<b>PCY</b>	<b>CHLa</b>	<b>TURBITY</b>			<b>WEST</b>	<b>DEPTH</b>	<b>TEMP.</b>	<b>DO</b>	<b>DO</b>	<b>SPC</b>	<b>TDS</b>	<b>pH</b>	<b>PCY</b>
<u>cells/ml</u>	<u>u/l</u>	<u>NTU</u>				<u>M</u>	<u>C.</u>	<u>%</u>	<u>mg/l</u>	<u>mS/cm</u>	<u>mg/l</u>		<u>cells/ml</u>
2062	0.0633	0.9				2	23	118	8.4	490	31.40	8.7	350
3780	0.1380	1.1				5	22	119	8.5	491	31.41	8.7	467
3061	0.1054	0.6				10	15	85	6.9	500	32.03	8.3	517
909	0.0442	0.0				15	11	77	7.0	504	32.36	7.9	618
868	0.0236	0.0				20	6	86	8.5	505	32.38	8.0	236
365	0.0184	0.0				25	7	107	10.4	505	32.29	8.0	697
<b>PCY</b>	<b>CHLa</b>	<b>TURBITY</b>			<b>EAST</b>	<b>DEPTH</b>	<b>TEMP.</b>	<b>DO</b>	<b>DO</b>	<b>SPC</b>	<b>TDS</b>	<b>pH</b>	<b>PCY</b>
<u>cells/ml</u>	<u>u/l</u>	<u>NTU</u>				<u>M</u>	<u>C.</u>	<u>%</u>	<u>mg/l</u>	<u>mS/cm</u>	<u>mg/l</u>		<u>cells/ml</u>
1603	0.0401	0.2				2	23	117	8.3	496	31.70	8.9	379
5883	0.1905	1.1				5	22	114	8.2	494	31.62	8.8	365
1528	0.0551	0.0				10	20	103	7.8	498	31.90	8.6	347
1135	0.0443	0.0				15	9	83	7.9	506	32.36	8.0	441
467	0.0220	0.0				20	7	96	9.7	506	32.35	8.2	130
273	0.0164	0.0				25	6	99	10.1	506	32.40	8.1	521

June 8, 2016 Mary Jane Bumby, Volunteer Monitor, Green Lake Fourth Report: June 24, 2016

**HYDROLAB DS5: July 18, 2016 at two monitoring stations**

<b>PCY</b>	<b>CHLa</b>	<b>TURBITY</b>	<b>Table 4</b>		<b>WEST</b>	<b>DEPTH</b>	<b>TEMP.</b>	<b>DO</b>	<b>DO</b>	<b>SPC</b>	<b>TDS</b>	<b>pH</b>	<b>PCY</b>
<u>cells/ml</u>	<u>u/l</u>	<u>NTU</u>				<u>M</u>	<u>C.</u>	<u>%</u>	<u>mg/l</u>	<u>mS/cm</u>	<u>mg/l</u>		<u>cells/ml</u>
285	0.0148	1.2				2	24	140	9.5	492	31.53	9.3	1766
664	0.0211	1.1				5	23	129	9.0	494	31.56	9.1	1904
625	0.1054	0.8				10	23	118	8.3	496	31.71	9.0	1531
447	0.0442	0.0				15	10	74	7.0	505	32.31	8.2	839
450	0.0236	0.0				20	7	91	9.3	504	32.25	8.2	519
748	0.0184	0.0				25	6	100	10.3	503	32.22	8.2	224
<b>PCY</b>	<b>CHLa</b>	<b>TURBITY</b>			<b>EAST</b>	<b>DEPTH</b>	<b>TEMP.</b>	<b>DO</b>	<b>DO</b>	<b>SPC</b>	<b>TDS</b>	<b>pH</b>	<b>PCY</b>
<u>cells/ml</u>	<u>u/l</u>	<u>NTU</u>				<u>M</u>	<u>C.</u>	<u>%</u>	<u>mg/l</u>	<u>mS/cm</u>	<u>mg/l</u>		<u>cells/ml</u>
266	0.0190	2.0				2	24	141	9.6	495	31.68	9.3	2149
668	0.0294	1.8				5	24	133	9.2	495	31.65	9.2	2570
487	0.0217	1.4				10	23	121	8.5	495	31.69	9.1	1574
652	0.0150	0.6				15	10	80	7.3	506	32.44	8.2	608
700	0.0258	0.0				20	8	77	7.5	506	32.41	8.2	728
721	0.0253	0.0				25	7	88	9.2	506	32.33	8.1	299





**Table 5****HYDROLAB DS5: August 1, 2016 at two monitoring stations**

<b>CHLa</b>		<b>FURBITY</b>				<b>WEST</b>		<b>DEPTH</b>	<b>TEMP.</b>	<b>DO</b>	<b>DO</b>	<b>SPC</b>	<b>TDS</b>	<b>pH</b>	<b>PCY</b>		
<u>u/l</u>	<u>NTU</u>					<u>M</u>	<u>C.</u>	<u>%</u>	<u>mg/l</u>	<u>mS/cm</u>	<u>mg/l</u>				<u>cells/ml</u>		
0.0231	0.8					2	26	144	9.5	492	31.51	9.6	1140				
0.0148	0.8					5	25	137	9.3	490	31.41	9.6	2343				
0.0231	0.1					10	23	101	6.9	500	31.92	9.2	1400				
0.0276	0.0					15	11	64	5.8	506	32.38	8.6	897				
0.0149	0.0					20	8	79	7.9	504	32.26	8.6	586				
0.0257	0.0					25	6	90	9.3	503	32.23	8.5	790				
<b>CHLa</b>		<b>FURBITY</b>				<b>EAST</b>		<b>DEPTH</b>	<b>TEMP.</b>	<b>DO</b>	<b>DO</b>	<b>SPC</b>	<b>TDS</b>	<b>pH</b>	<b>PCY</b>		
<u>u/l</u>	<u>NTU</u>					<u>M</u>	<u>C.</u>	<u>%</u>	<u>mg/l</u>	<u>mS/cm</u>	<u>mg/l</u>				<u>cells/ml</u>		
0.0199	0.8					2	25	138	9.3	493	31.57	9.6	1207				
0.0163	0.8					5	24	131	9.0	493	31.55	9.6	2607				
0.0213	0.7					10	24	116	8.1	498	31.87	9.4	1710				
0.0228	0.0					15	7	75	7.0	507	32.41	8.5	2625				
0.0111	0.0					20	7	76	7.8	506	32.46	8.4	430				
0.0211	0.0					25	6	80	8.2	506	32.37	8.4	905				
<b>6</b>												<b>Mary Jane Bumby, Volunteer Monitor, Green Lake</b>				<b>Seventh Report: August 1, 2016</b>	
<b>HYDROLAB DS5: August 15, 2016 at two monitoring stations</b>																	

**Table 6**

<b>CHLa</b>		<b>FURBITY</b>				<b>WEST</b>		<b>DEPTH</b>	<b>TEMP.</b>	<b>DO</b>	<b>DO</b>	<b>SPC</b>	<b>TDS</b>	<b>pH</b>	<b>PCY</b>
<u>u/l</u>	<u>NTU</u>					<u>M</u>	<u>C.</u>	<u>%</u>	<u>mg/l</u>	<u>mS/cm</u>	<u>mg/l</u>				<u>cells/ml</u>
0.0243	1.7					2	26	131	8.8	487	31.15	9.9	1907		
0.0649	1.5					5	25	128	8.6	487	31.14	9.8	2146		
0.0560	1.4					10	23	69	4.7	499	31.91	9.5	779		
0.0388	0.0					15	10	59	5.7	508	32.39	8.8	533		
0.0540	0.0					20	7	79	8.1	505	32.30	8.8	848		
0.0153	0.0					25	6	91	9.4	504	32.25	8.8	413		
<b>CHLa</b>		<b>FURBITY</b>				<b>EAST</b>		<b>DEPTH</b>	<b>TEMP.</b>	<b>DO</b>	<b>DO</b>	<b>SPC</b>	<b>TDS</b>	<b>pH</b>	<b>PCY</b>
<u>u/l</u>	<u>NTU</u>					<u>M</u>	<u>C.</u>	<u>%</u>	<u>mg/l</u>	<u>mS/cm</u>	<u>mg/l</u>				<u>cells/ml</u>
0.0514	2.4					2	26	140	9.2	490	31.38	9.9	1661		
0.0847	2.6					5	26	129	8.6	489	31.30	9.9	2098		
0.0716	2.6					10	21	49	3.2	506	32.42	9.0	876		
0.0319	0.0					15	12	39	3.5	509	32.55	8.7	579		
0.0244	0.0					20	8	61	6.0	508	32.51	8.7	717		
0.0207	0.0					25	6	73	7.6	507	32.41	8.7	308		



Page 5 of <u>Table 7</u>		<b>HYDROLAB DS5: August 25, 2016 at two monitoring stations</b>											
<b>CHLa</b>	<b>TURBITY</b>			<b>WEST</b>	<b>DEPTH</b>	<b>TEMP.</b>	<b>DO</b>	<b>DO</b>	<b>SPC</b>	<b>TDS</b>	<b>pH</b>	<b>PCY</b>	<b>CHLa</b>
<u>u/l</u>	<u>NTU</u>				<u>M</u>	<u>C.</u>	<u>%</u>	<u>mg/l</u>	<u>mS/cm</u>	<u>mg/l</u>		<u>cells/ml</u>	<u>u/l</u>
0.0230	2.4			<b>WEST</b>	2	24	121	8.3	488	31.25	10.0	1956	0.0243
0.0656	3.0				5	24	118	8.2	488	31.22	10.0	1848	0.0568
0.0478	1.7				10	24	112	7.8	490	31.34	9.9	1274	0.0353
0.0343	0.0				15	13	45	3.5	510	32.62	9.0	332	0.0150
0.0109	0.0				20	8	58	5.9	508	32.45	9.0	841	0.0235
0.0411	0.0				25	6	83	8.9	506	32.38	9.0	239	0.0123
<b>CHLa</b>	<b>TURBITY</b>				<b>EAST</b>	<b>DEPTH</b>	<b>TEMP.</b>	<b>DO</b>	<b>DO</b>	<b>SPC</b>	<b>TDS</b>	<b>pH</b>	<b>PCY</b>
<u>u/l</u>	<u>NTU</u>				<u>M</u>	<u>C.</u>	<u>%</u>	<u>mg/l</u>	<u>mS/cm</u>	<u>mg/l</u>		<u>cells/ml</u>	<u>u/l</u>
0.0260	2.2			<b>EAST</b>	2	25	124	10.0	486	31.11	10.2	1477	0.0343
0.0619	2.8				5	24	126	8.5	487	31.19	10.0	2166	0.0617
0.0513	1.9				10	24	115	7.9	488	31.26	10.0	1211	0.0422
0.0283	0.0				15	10	60	5.3	510	32.66	8.9	551	0.0203
0.0176	0.0				20	7	60	6.5	508	32.55	9.0	801	0.0237
0.0282	0.0				25	6	75	7.7	508	32.48	8.9	529	0.0162
<b>Mary Jane Bumby, Volunteer Monitor, Green Lake Ninth Report: August 25, 2016</b>													
<b>HYDROLAB DS5: August 29, 2016 at two monitoring stations</b>													
<b>CHLa</b>	<b>TURBITY</b>	<u>Table 8</u>		<b>WEST</b>	<b>DEPTH</b>	<b>TEMP.</b>	<b>DO</b>	<b>DO</b>	<b>SPC</b>	<b>TDS</b>	<b>pH</b>	<b>PCY</b>	<b>CHLa</b>
<u>u/l</u>	<u>NTU</u>				<u>M</u>	<u>C.</u>	<u>%</u>	<u>mg/l</u>	<u>mS/cm</u>	<u>mg/l</u>		<u>cells/ml</u>	<u>u/l</u>
0.0378	2.2			<b>WEST</b>	2	24	125	8.6	490	31.35	10.3	1624	0.0456
0.0450	2.3				5	23	115	8.1	490	31.34	10.2	1265	0.0423
0.0205	1.6				10	23	107	7.5	490	31.36	10.9	862	0.0248
0.0156	0.0				15	11	45	4.6	510	32.19	9.2	311	0.0119
0.0239	0.0				20	7	76	7.2	507	32.49	9.3	735	0.0237
0.0122	0.0				25	6	87	9.0	507	32.45	9.3	323	0.0130
<b>CHLa</b>	<b>TURBITY</b>				<b>EAST</b>	<b>DEPTH</b>	<b>TEMP.</b>	<b>DO</b>	<b>DO</b>	<b>SPC</b>	<b>TDS</b>	<b>pH</b>	<b>PCY</b>
<u>u/l</u>	<u>NTU</u>				<u>M</u>	<u>C.</u>	<u>%</u>	<u>mg/l</u>	<u>mS/cm</u>	<u>mg/l</u>		<u>cells/ml</u>	<u>u/l</u>
0.0432	2.4			<b>EAST</b>	2	25	141	10.0	488	31.23	10.5	1016	0.0227
0.0543	2.7				5	24	126	8.7	489	31.20	10.4	2035	0.0471
0.0318	1.3				10	23	88	6.1	496	31.73	10.1	1027	0.0295
0.0208	0.4				15	11	51	4.3	512	32.78	9.2	632	0.0236
0.0205	0.0				20	7	63	6.2	510	32.63	9.3	699	0.0219
0.0132	0.0				25	6	68	7.0	510	32.64	9.2	680	0.0179



Table 9

## HYDROLAB DS5: Sept. 18, 2016 at two monitoring stations

TURBITY		WEST	DEPTH	TEMP.	DO	DO	SPC	TDS	pH	PCY	CHLa	TURBITY
NTU			M	C.	%	mg/l	mS/cm	mg/l		cells/ml	u/l	NTU
2.1				2	22	121	8.7	488	31.20	10.6	1205	0.0305
2.3			5	22	117	8.5	488	31.20	10.5	1079	0.0338	1.4
2.3			10	21	113	8.2	488	31.25	10.5	688	0.0325	1.3
0.1			15	13	27	2.3	513	32.79	9.4	763	0.0388	0.0
0.0			20	7	54	5.9	508	32.53	9.5	602	0.0185	0.0
0.0			25	6	81	8.3	508	32.50	9.5	767	0.0202	0.0
TURBITY		EAST	DEPTH	TEMP.	DO	DO	SPC	TDS	pH	PCY	CHLa	TURBITY
NTU			M	C.	%	mg/l	mS/cm	mg/l		cells/ml	u/l	NTU
2.9				2	22	125	9.0	489	31.31	10.6	871	0.0205
3.2			5	22	120	8.7	488	31.25	10.5	1211	0.0335	1.8
2.7			10	22	117	8.5	488	31.24	10.6	1383	0.0340	1.9
0.6			15	9	54	4.5	511	32.78	9.4	814	0.0316	1.1
0.0			20	7	53	5.8	508	32.52	9.5	817	0.0240	0.0
0.0			25	6	67	7.0	508	32.54	9.5	872	0.0269	0.0

Mary Jane Bumby, Volunteer Monitor, Green Lake, W Eleventh Report: September 28, 2016

Table 10

## HYDROLAB DS5: October 16, 2016 at two monitoring stations

TURBITY		WEST	DEPTH	TEMP.	DO	DO	SPC	TDS	pH	PCY	CHLa	TURBITY
NTU			M	C.	%	mg/l	mS/cm	mg/l		cells/ml	u/l	NTU
1.7				2	16	117	9.5	491	31.41	10.8	1636	0.0345
1.4			5	15	112	9.3	490	31.36	10.8	1819	0.060	0.4
1.2			10	15	110	9.1	491	31.39	10.8	1449	0.0498	0.6
0.0			15	15	103	8.6	492	31.48	10.7	1404	0.0451	0.0
0.0			17.5	11	51	4.6	512	32.76	10.0	1082	0.0359	0.0
0.0			20	8	64	6.3	509	32.60	10.0	1007	0.0303	0.0
			25	6	72	7.4	508	32.51	10.0	462	0.0124	0.0
TURBITY		EAST	DEPTH	TEMP.	DO	DO	SPC	TDS	pH	PCY	CHLa	TURBITY
NTU			M	C.	%	mg/l	mS/cm	mg/l		cells/ml	u/l	NTU
2.4				2	16	109	8.9	495	31.58	10.9	1583	0.0445
1.4			5	15	105	8.7	492	31.51	10.9	1777	0.0531	0.5
1.3			10	15	104	8.6	492	31.45	10.9	1628	0.0560	0.0
0.2			15	15	103	8.6	492	31.48	10.8	1157	0.0526	0.0
0.0			20	7	72	7.1	509	32.56	10.1	535	0.0435	0.0



