2015	Green	Lake, Gro	en Lake County,	Wisconsin,	USA				Page 1	Table 1
WEST BASIN		•	GHWAY A, Inlet			CUST	ER COLORS			
DAY/DATE	TIME	SECCHI (FT	LAKE LEVEL (FT)	COLOR (EYE)	DEEP-WATE				AIR	LAKE SURFACE
Fri May 22	1:25	6.5	6.47	green-brown		2	2	3	63	58
Sun Jn 14	12:00	32.0	6.74	green-brown	clear	4	1	1	74	68
Wed Jn 24	11:00	27.5	6.57	green-brown	clear	4	1.5	2	80	73
Mon Jn 29	11:10	25.0	6.52	green-brown	murky	4	1.5	3	70	74
Thu Jul 9	1:26	20.0	6.52	green-brown	murky	4	1.5	3	*	74
Wed Jul 15	10:20	18.0	6.61	green-brown	murky	4	2	3	64	74
Thu Jul 23	1:25	17.5	6.54	green-brown	murky	4	1.5	3	88	78
Mon Jul 27	10:10	16.0	6.50	green-brown	murky	4	1.5	3	78	78
Wed Aug 5	1:48	13.5	6.34	green-brown	murky	3	2	3	80	76
Wed Aug 1	10:45	8.0	6.40	green-brown	murky	2	2	4	80	76
Mon Aug 1	10:20	10.0	6.36	green-brown	murky	3	2	4	80	77
Thu Aug 27	11:20	12.0	6.31	green-brown	murky	3.5	1.5	3	69	70
Fri Sep 4	1:05	9.5	6.39	green-brown	murky	2.5	2	3	77	74
Sun Oct 18	11:55	10.0	6.36	green-brown	murky	3	1.5	3	51	57
AVERAGE		16.1	'96.36 FT. above	}		3.5	1.7	2.9	74	73
			sea level							
2015					<u> </u>					
EAST BAS			ONITORING D					PUBLIC (1-5)	TEMPERA	TURES (F)
			GLSD RAINFALL (IN.)	COLOR (EYE)		1/2 SECCH	L/2 M (2 FT	PERCEPTION	AIR	LAKE SURFACE
Fri May 22	1:50	6.5	0.3	green	murky	2	2	3	80	60
		38.0	5.3	green-brown		44	1	2	78	70
Wed Jn 24		29.0	2.4	green-brown		4	1.5	2	80	72
Mon Ju 29		23.5	0.6	green-brown		4	1.5	3	78	72
Thu Jul 9	1:50	14.0	0.2	green-brown		4	1.5	4	76	76
Wed Jul 15 Thu Jul 23	1:55	12.0 14.0	1.8 0.6	green-brown		4	2	4	68	75
Mon Jul 27		12.0	U.O	green-brown		3	1.5	3	89	80
Wed Aug 5				green-brown green-brown	<u> </u>	2	2	4	79	78
Wed Aug 1		8.0	1,1	green-brown			2	3	82	79
Mon Aug 1		10.0	-th- 11 -th-	green-brown green-brown	· · · · · · · · · · · · · · · · · · ·	3	2 2	4	84	76
Thu Aug 27		9.5	1.1	green-brown	· · · · · · · · · · · · · · · · · · ·	3	2	4	84	79
Fri Sep 4	1:35	10.0	1.2	green-brown		2	1.5	3	72 80	70
Sun Oct 18		11.0	4.6	green	murky	3	2	5	80 58	76
AVERAGE		14.6	=19.2 TOTAL " rai		7770110	3.1	1.8	3.4		65 73
			between dates.				410			/3
			015 summer reco							
<u> </u>	Freeze	date is 1	/11/15; Thaw d	ate is 4/4/1	. (Records f	rom 1939 a	t GLDS).			

2015 DATES	ON AND COMMENTS ON				L. HAILKS	TATIONS, GR			COURTY, WI. U.S.,
Fri May 22	Very unusual to see school	of 36 carp at	north shore n	ier Take ven	calm and wat	er murky and	Page 2	Table 2	on (BC) plans shee
THINGY ZZ									en (BG) algae opse
Sup June 1/	East end only HYDROLAB s								
Suil Julie 12	Even though CLEAR record	ed in deep-wa	ter stations &	Seconi at its	deepest for th	is season at 32	2 & 38 ft., at	ladders of ma	iny piers are very me
	Harvestor was in north sh	ore area & nar	dly picked up	any weeds. A	previous lake	survey by and	other boat w	ould be helpful	l to find locations of
	abundant weeds. Still no B								
Wed June 2	Floating filamentous algae								
	Sago & invader Curly-leaf.			s are clear.Ta	xa are: BG's #	4, greens #8,	diatons #4,	& <i>Daphnia</i> ve	ry active with <i>Ephipp</i>
	(resting stage of D.). Many								
Mon June 29	Ranunculus in bloom. Sam								
<u> </u>	flos aqua, Coelastrum, Chr								
Thur July 9	East end (4) worse than w	est end (3) ac	cording to My	Perception. F	irst time I obs	erved <i>ZM Velli</i>	<i>gers</i> (imma	ture zebra mu	ssels). <i>Ceratium</i> still
	most abundant. 7 BGs, 8 g	reens & many	others listed	in 5th report.					
Wed July 15	East is still worse than wes	t in My Percep	tion. Abundar	nt plankton is	suspended un	der surface of	water & dov	vn to 17 ft.	
	Molted gull feathers floatin								t abundant of all.
***************************************	ZM Velligers abundant. Ma	ny fibers obse	rved. Unknow	n filamentous	green algae o	conjugating wit	th zygospore	es. Marl appear	ing on weeds.
Mon July 27	Many floating molted gull f								
	Creek inlet. Some empty fi								
Wed Aug 5	BG Anabaena spp. & Micro	cystis spp. ar	e Very Abunda	ant. <i>Ceratium</i>	and Vorticella	<i>are</i> abundant	. ZM Vellige	rs infrequent t	nday Fast end (4) is
	worse than the west end (3	3) in My Perce	ption & Secch	i shows this, t	oo. Duckweed	& watermeal	into lake fro	m Silver Creek	via east winds
nnows at n.s	hore pier. Many pieces of	plants & ani	mals, debris,	fibers & ter	restrial seeds	in tows			The case Times.
	Lake water very green but						est & East no	or (4) in My P	ercention & Secchi di
	is 8.0 ft at both. Many plar	ikton but <i>Cycle</i>	ops and Daph	nia are infred	uent. No ZM v	elliaers obser	ved todav.	(1) 111 119 1	:
Mon Aug 17	Surface foam from motor b							rowing close to	surface now
	Wild celery female flowers	on their spiral	stems visible	above their t	hick mats of le	aves. No <i>Dapl</i>	<i>nnia</i> observe	ed at and above	e plankton tow
Thur Aug 27	Female flowers of wild cele	ry are nearing	surface & ma	sses of weed	s with large ar	nount of filame	entous algae	visible. Two ca	arn: one natural and
	one Koi-like. No <i>Daphnia</i>	bserved. Infre	quent <i>Cyclop</i> s	s and ZM vell	igers. Lake is	green in color.			- Providence and
Fri Sep 4	Slight surface skim of light							aguatic weeds	still heavy with
	filamentous algae. No Dap	<i>hnia</i> but abun	dant ZM vellig	jers.] 	İ		
Sun Oct 18	Anabaena flos aqua is thic	k showing dov	n below surfa	ice several fe	et at east end	resulting in ter	rible <i>Anabae</i>	e <i>na</i> bloom . No	o <i>Daphnia</i> & infreque
	(dead) Cyclops . Previous I								
	feeding on the surface and	8 nice-sized f	ish with dark	tails. Dissolve	d Oxygen is v	ery good from	2-25 M (hia	h winds for day	vs).
	Very Abundant beside BG a	above (see Jur	ie 29) are <i>Vor</i>	ticella, Goleni	kinia (in cluste	rs), Dinobryon	& Polvarthr	a.	, <u>,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,</u>
							, =====================================		
		:				-			
								-	

<u>Mary Jane</u>	ary Jane Bumby, Volunteer Monitor, Green Lake, WI						Report:	August 1	L7, 2015		
								Page 3		ROLAB: Tal	ole 3
<u>Depth</u>	<u>M</u>	<u>IBV</u>	<u>TEMP</u>	DO %	DO mg/l	<u>SPC</u>	TDS	pН	<u>PCY</u>	<u>CHL</u>	<u>TURB</u>
WEST	2	7.2	25	126.4	8.6	484	31	9.0	1140	0.0393	1.7
ssy!	5	7.1	25	122.3	8.4	484	31	8.9	1727	0.0729	2.4
	10	7.1	23	98.7	6.7	489	31	8.7	1247	0.0531	2.3
	15	7	15	45.1	3.2	504	32	7.9	1002	0.0400	0.6
	20	7	5.9	44.8	5.6	498	32	8.1	232	0.0135	0.0
a present	25	7	5.4	84.6	8.9	497	32	8.3	670	0.0227	0.0
a D d			777) (D								
Depth	<u>M</u>	<u>IBV</u>	TEMP	<u>DO %</u>	DO mg/l	SPC	TDS	<u>pH</u>	<u>PCY</u>	CHL	<u>TURB</u>
EAST	2	7.1	26	136.5	9.15	480	31	9.1	1072	0.0259	2.0
	5	7	26	131.6	8.9	479	31	9.1	2186	0.0831	2.6
	10	7	25	116.7	8.0	481	31	8.9	1443	0.0659	3.0
	15	7	11	62.5	5.4	502	32	8.2	650	0.032	0.1
	20	6.9	9.0	54.7	5.3	203	32	8.4	902	0.0352	0.0
	25	6.9	7.5	65.8	6.7	500	32	8.5	495	0.0178	0.0
		- 4					<u> </u>				
			Monitor, Gre		7			August 2			
<u>Depth</u>	<u>M</u>	<u>IBV</u>	TEMP	<u>DO %</u>	DO mg/l	<u>SPC</u>	<u>TDS</u>	pН	<u>PCY</u>	<u>CHL</u>	<u>TURB</u>
WEST	2	7.3	24.5	124.3	8.8	485	31	8.8	1256	0.0241	0.0
sk	5	7.2	20.5	109.6	8.2	486	31	8.7	2225	0.0653	0.2
	10	7.2	20.3	103.5	7.7	486	31	8.6	1904	0.048	0.2
	15	7.2	13.3	29.6	2.3	504	32	7.8	561	0.0252	0.0
	17.5	7.0	9.3	46.0	4.7	502	32	8.1	953	0.0252	0.0
	20	7.0	8.0	59.3	6	501	32	8.1	553	0.0179	0.0
	25	6.9	6.7	68.7	7	500	32	8.1	375	0.0152	0.0
Depth	<u>M</u>	<u>IBV</u>	TEMP	DO %	DO mg/l	<u>SPC</u>	TDS	рН	<u>PCY</u>	<u>CHL</u>	TURB
EAST	2	7.0	21.7	122.2	8.9	489	31	8.8	1651	0.0353	0.0
	5	7.1	20.8	120.8	9.0	482	31	8.9	2689	0.0697	0.5
	10	7.0	20.6	111.2	8.2	484	31	8.8	2432	0.0721	0.3
	12.5	7.0	20.4	100.6	7.4	486	31	8.7	1615	0.0448	0.0
	15	7.0	12.4	51.8	4.4	503	32	7.9	827	0.0055	0.0
i	17.5	6.9	9.9	38.1	3.7	303	32	8.2	823	0.0351	0.0
	20	6.9	7.6	54.8	5.5	501	32	8.4	453	0.0274	0.0
	20										

	Mary Jan	, Green L	ake, WI	Rep	ort: O	ctobe							
							HYDRO	LAB: T	able 3	(cont.)			
	<u>Depth</u>	<u>M</u>	<u>IBV</u>	<u>TEMP</u>	<u>DO %</u>	DO mg/l	<u>SPC</u>	<u>TDS</u>	<u>pH</u>	<u>PCY</u>	<u>CHL</u>	<u>TURB</u>	
	WEST	2	7.1	14.2	115.8	9.7	485	31	9.1	1368	0.0271	0.0	
		5	7.0	13.9	99.0	8.5	486	31	9.1	2139	0.0771	0.0	
		10	7.0	13.9	97.3	8.3	486	31	9.1	2112	0.0907	0.0	
i		15	6.9	13.9	94.6	8.1	486	31	9.1	1830	0.0793	0.0	
		20	6.9	10.4	73.5	6.4	500	32	8.8	962	0.0304	0.0	
		25	6.8	7.1	58.0	6.0	500	32	8.8	372	0.0124	0.0	
	<u>Depth</u>	<u>M</u>	<u>IBV</u>	<u>TEMP</u>	<u>DO %</u>	DO mg/l	<u>SPC</u>	<u>TDS</u>	Нą	<u>PCY</u>	<u>CHL</u>	TURB	
	EAST	2	6.9	14.4	120.8	10.0	487	31	9.4	1669	0.0361	0.0	
		5	7.0	14.1	165.2	9.0	487	31	9.4	3051	0.0973	0.0	
		10	7.0	14.0	102.7	8.7	487	31	9.4	3772	0.1043	0.0	
		15	7.0	14.0	99.4	8,5	487	32	9.4	2055	0.0880	0.0	
		20	6.9	9.0	84.5	7.3	501	32	9.2	776	0.0237	0.0	
		25	6.9	6.6	63.0	6.4	500	32	9.4	891	0.0243	0.0	
HYDROLAB'S													
TURB: TURBIDITY OF	BVIOUSLY I	S NOT I	FUNCTIO	NING AS IT	SHOULD	THIS SEA	ASON						
<u> </u>													
												: :	
												!	-
								I i			,	! !	
											;		
								1					
			!										
<u>Table 4</u> (see Table	1)												
DNR'S RANKED "PL	JBLIC PER	CEPTIC	ON TABL	.E" (1-5)									
1. Beautiful, could no	t be nicer.					: '							
2. Very minor aesthe	tic problem	is, great	t for swin	nming/boati	ing.								
3. Swimming and aes													
4. Desire to swim and	d lake enjo	yment v	ery mucl	h reduved (algae).								
5. Swimming and aes		•											
											-		
ZM v's : microscopic	view of Ze	bra Mus	ssel (ZM)	velligers id	entified						Monitorin	g by Marv	Jane Bumb
as most like "15-c	day ZM vell	ligers" b	ased on										Lake Count
Ontario Ministry o	of Natural R	esource	2S.					:					ebruary 11,