2013		TABLE 1	See blue below!	DEEP-WATER I	MONITORIN	IG WEST	See Table 3	3	PAGE 1		
WEST BASIN:			City G.L. at DAM outl	et		WEST CUS	STER COLOR PUBLIC (1-5) TEMPERA	ATURES (F)		
DAY/DATE	TIMES	SECCHI (FT)	LAKE LEVEL (FT)	COLOR (EYE)	DEED-WATER	1/2 SECCHI	1/2 M (2 FT) PERCEPTION	N AIR (F)	LAKE SURFACE		
	12:00	15.0	796.5	Green	Murky	3		74	68		
	10:00	19.0	796.6	Green	Clear	4		78	68		
	10:25	20.5	796.6	Green	Clear	3	-		68		
Thur June 27	1:30	20.0	796.7	Green	Clear	4			72		
	11:45	24.5	796.6	Green-Brown	Murky	4			75		
Thur July 11	1:20	29.0	796.7	Green	Clear	4			77		
Sun July 20	1:10	15.5	796.5	Green-Brown	Murky	4			82		
,	10:35	16.0	796.4	Green	Murky	4			73		
	10:35	19.0	796.5	Green		NR	NR NR	74	74		
Thur Aug 8	1:20	16.0	796.5	Green	Murky	3	1.5	1 74	73		
•	10:50	18.0	796.4	Green-Brown	Murky	4	2.0 4	1 71	73		
Sat Aug 17	1:17	15.5	796.4	Green	Murky	4			78		
-	10:55	10.5	796.4	Brown		4			76		
J	1:20	12.5	796.3	Green	Murky	4			75		
Fri Sept 6 Sun Sept 22	1:20	16.5	796.3	Green	Murky Murky	4			68		
	10:30	20.5	796.2	Green-Brown	Murky	4			66		
	11:05	19.5	796.1	Green-Brown	Murky	4	2.0 2		64		
AVERAGES		18.1						77	72		
		TABLE									
2013		TABLE 2		DEEP-WATER	MONITORI		See Table 3				
EAST BASIN			At Monitor'g Dates				TER COLOR PUBLIC (1-5	-	ATURES (F)		
DAY/DATE 1	TIMES	SECCHI (FT)	GLSD RAINFALL (IN.)	COLOR (EYE)	DEEP-WATER	1/2 SECCHI	1/2 M (2 FT) PERCEPTION	N AIR (F)	LAKE SURFACE		
Tue June 11	12:30	10.5	0.9	Green	Murky	3	2.0 NR	74	68		
Mon June 17	10:15	35.0		Green	Clear	4	1.5 NR	78	68		
Wed June 19	11:35	34.0		Green	Clear	4	1.0 1	72	67		
Thur June 27	1:50	35.0	4.6	Green	Clear	4	1.5	2 85	76		
Sun July 7	12:10	20.0		Green-Brown	Murky	4	2.0	84	86		
Thur July 11	2:00	16.5		Green	Murky	4			80		
Sun July 20	2:00	16.0		Green-Brown	Murky	4			84		
,	11:15	16.0	3.4	Green-Brown	Murky	4			75		
Sat Aug 3	11:15	18.0		Green	Mlurky	NR	NR NR	74	74		
Thur Aug 8	1:52	16.0		Green	Murky	4			74		
	11:20	12.0		Green-Brown	Murky	4			75		
Sat Aug 17	1:58	13.0		Green	Murky	3	2.0	90	86		
Sat Aug 31	11:30	5.5	1.1	Green	Murky	4	2.0	1 78	77		
Fri Sept 6	2:00	12.5		Green	Murky	4	1.5 4	1 82	78		
Sun Sept 22	2:25	16.5	2.7	Green	Murky	4			69		
	11:15	20.0		Green-Brown	Murky	4			69		
	12:00	16.0	0.4	Green-Brown	Murky	4			64		
AVERAGES		18.4	13.1					78	75		
			Above: Rainfall Total	"							
								1			
Green Lake (County	. Green La	ke, WI, USA.				USGS closed station a	it Highway A	A. Silver Creek	Inlet 7/27	
			13 summer records:	Ice on lake – 8	R5 days		Data include 24 Wate		•		
		201016 20			Jo days.						
١		data - 1	/24/13. Thaw data -				New Highway K station at west inlet opened 10/29/				
\ 	Freeze		/24/13; Thaw date =		o Comiter	Diatri-t\					
\ 	Freeze		/24/13; Thaw date = are available from 193		e Sanitary	District)	(Note: Hwy A manual				
\ 	Freeze				e Sanitary	District)					

INICODIAATI	ON AND COMMENTS ON	MONITORING	DOTU FACT	. s. WEST DE		FATLONIC OF	SERLIANE C	DEEN LAKE	OOLINITY/	14/1			
2013 DATES	ON AND COMMENTS ON I							REEN LAKE	COUNTY	, WI.			
Tue June 11	Lake surface scummy with			•				•		<u>, , , , , , , , , , , , , , , , , , , </u>	t)&		
	nauplii. Observed no Blue-	• •							1 00	, , ,			
Mon June 17	East Secchi shockingly clea												
	include Spirogyra (conjuga												
Wed June 19	Some ephippia (resting sta	, , , , , , , , , , , , , , , , , , , 		<u> </u>				1 7/			<u> </u>		
	Microscope shows abundan												
	Ranunculus (Buttercup) &			<u> </u>	, ,		, , , , , , , , , , , , , , , , , , , 				"tapioca".		
Thur June 27	MANY macrophytes visible										<u> </u>		
	Very abundant zooplanktor			, ·			•				vident.		
Sun July 7	Microscope shows first zebi												
	Flying hatches of insects, g												
	plankton (="tapioca" below												
Thur July 11	Filamentous Rhizoclonium	forms especia	Ily large clum	ps and thick w	ebs on subme	rsed aquatic	plants; other f	filamentous a	lgae are Z	'ygnema, Spirogyra	a &		
	Mougeotia. Floating & grov	ving aquatic p	lants with atta	ched filament	ous algae are	a serious nuis	sance in lake.	ZM's velliger	s abundar	nt.			
Sun July 20	Lake continues to be murk												
	lake and plankton organisn	ns suspended	down from su	rface like "tap	ioca". BG = 8	spp with Anal	paena & Micro	cystis most ir	npt. Most	abundant: Ceratiu	m & Staur		
Wed July 31	Surface covered with foam	, floating weed	ds, molted gul	I feathers, and	d light bloom o	of Anabaena, I	Microcystis &	especially in e	ast, Gleot	richia. Aquatic plai	nts growir		
<u> </u>	thickly between and far out												
Sat Aug 3	No plankton tow or Custer	colors. Note c	hange in Disso	olve Oxygen (I	DO) both % ai	nd mg/l at 10	M. Vallisneri a	a plants (wild	celery) ar	e growing toward s	surface.		
Thur Aug 8	Lake residents are unhapp	y with quantity	y of weeds and	d the effort of	harvester. Ev	ident little effe	ort to remove	cut weeds af	ter a shar <u>ı</u>	o tool pulled along	<u>bottom</u>		
	cutting off weeds. Also sev	<u>eral folks expl</u>	oring use of c	<u>hemicals to ac</u>	ld off piers be	cause of such	dense growth	of weeds and	d filament	<u>ous algae! Minnow</u>	<u>'s West su</u>		
	Harvesting the macrophyte	s & filamento	us algae is an	important was	y to remove e	xcess nutrient	s from Green	Lake & the D	NR should	allow cutting betw	veen piers		
Wed Aug 14	Fringe of filamentous alga	sp. along nort	h shore rocks	is Cladophora	; See July 31	for listed filam	n. algal sppV	ERY evident o	n weeds -	terrible nuisance!	Floating i		
3	Fringe of filamentous alga sp. along north shore rocks is Cladophora; See July 31 for listed filam. algal sppVERY evident on weeds - terrible nuisance! Floatin probably from the tool for cutting weeds along the bottom to clear piers for use. Harvester should be almost filled when truly harvesting around a few												
	piers when thorough job ac		<u> </u>	·					<u> </u>				
Sat Aug 17	Fishermen are reporting m			•				•		a by 10/4 / Mile	o Nonton)		
Sat Aug 17	Flowers evident on wild cel												
Sat Aug 31	The 17 ft.(=5 M) plankton										TCH butter		
Sat Aug 31	Large masses of floating w						•				OK novt		
Fri Sept 6	Minnows identified: MIMIC												
тт эсрг о	very unusual. Coots return		Jieven 3. rajne	II, DIVIC & OVV	-Wadison-Sca	Grant. Marry L	30 3 (11 3pp.)	and orcens	(O 3pp.). I	о Барппа пт тт	tow - vci		
Sun Sept 22	Cyclops, Daphnia, nauplii,	<u> </u>	small <i>Bosmin</i>	a are unusual	ly infrequent	Abundant nla	nkton and sev	veral unknown	s Wild ce	lery very abundan	t along		
Sur Sept 22	with other aquatics growing				•								
Wed Oct 2	Shallow lake is very clear &												
	dead insects & mats of wee			, ,									
Thur Oct 10	Terrestrial leaves floating a							1 3 1					
			<u> </u>		<u> </u>					<u> </u>			
	many feathers, too. Large					, ,		snowing pian	kton nove	ring several inches	below su		
	Plankton are very abundan	t except <i>Daph</i>	<i>nia,</i> Naupiii &	<i>Cyclops</i> : nop	erully they re	lurking below	17 ft. tow.	+					
<u> </u>	TABLE 3										 		
	DNR'S RANKED "PUBLIC	PEDCEDIA	N TABLE" /1	E)		* 7M v's · m	icroscopic vio	w of Zobra M	uccol (7M)	<u>velligers</u> identifie	d		
 			IN IADLE (I	<u>- ა,</u>									
<u> </u>	Beautiful, could not be		t for outline					ZM velligers" based on colored photos from					
ļ	Very minor aesthetic p Swimming and aesthetic					Ontario I	Ministry of Nat	tural Resource	es.				
	Swimming and aesthet								1				
12.	4. Desire to swim and lak								1	<u> </u>	1		
	Swimming and aesthei							Monitoring by Mary Jane Bumby					
	During 2013, problem "alga	ae" above are	mainly "macr	ophytes with a	attached filam	entous algae"		Green Lake, Green Lake County, WI, USA					
ic).	These plants are a terrible	nuisance to th	e homeowner	s and show ex	cess nlutrient	s in Green La	ke.	Report comp	leted FEB	RUARY 20, 2014	1		
<u> </u>	Any blue-green algal bloom	n is very slight	and only on v	ery calm day:	S.								
											1		
PAGE 2													

Data are	from HVI	DROL AF	B DS5 at Eas	st and	West d	een-wat	or static	ns on	the dat	es identif	ied helov	w and	on nevt	nage Pe	d indic	ates low l
Data are			available f								lea belov	Valla	on next	Jage. Ke	a maic	ites low i
			WEST S			21, 4114		40		•						
DEPTHS	08-Jun	DO	рН		####	DO	рН	Turbid.	####	DO	рН	Turbid	11-Jul	DO	рН	Turbid.
(M)	TEMP C			NTU		% & mg/		NTU		% & mg/l	p	NTU		% & mg/		NTU
1 or 2	17.0	118 &	8.6	1.0	16.5	8 &10.7	8.6	1.4		83.0 &	8.7	0.8	24.1	81.1 &	8.6	2.5
5	14.7	116 &	8.6	1.0	14.7	5 & 9.4	8.5	1.9		81.0 & 7	8.7	1.0	23.7	82. &	8.6	2.7
10	9.8	92. &	8.1	0.0	11.8	4 & 8.1	8.1	0.9	11.3	62.1 & 6	8.1	0.4	14.6	63 & 6	8.2	1.8
12.5																
15	7.5	93. &	7.9	1.0	7.1	4 & 9.4	7.8	0.0	7.7	63.1 & 7	7.9	0.0	7.8	59. &	7.8	0.9
17.5																
20	6.3	95. &	7.9	0.0	6.4	& 9.7	7.8	0.0	6.3	66.0 & 7	7.8	0.0	6.0	63. &	7.7	0.4
25	5.4	97.5	7.9	0.0	5.7	& 10.1	7.8	0.0	5.7	67.7 & 8	7.8	0.0	5.4	63.5 &	7.7	0.3
		2013	EAST ST	ATIC	N											
DEPTHS	08-Jun	DO			####	DO	рН	Turbid.	####	DO	рН	Turbid	11-Jul	DO	На	Turbid.
(M)	Temp C			NTU		% & mg/		NTU		% & mg/l	j-''	NTU		% & mg/		NTU
1 or 2	14.9	136.3 8	8.7	0.0	17.9	8 & 10.2	8.5	0.3	19.5	79.2 & 7	8.6	0.0	24.9	94. &	8.7	1.8
5	14.3	129.7 8	8.6	0.0	15.6	1 & 10.3	8.5	0.8		76.0 & 6	8.5	0.0	24.4	108.4	8.7	2.6
10	13	111.4 8	8.4	0.0	11.9	7 & 8.3	8.1	0.2	14.7	67.9 & 6	8.4	0.0	14.7	79.5 &	8.0	1.5
12.5	13	 q	0.4	0.0	11.7		5. 1	0.2		57.7 K C	5.7	0.0	1 1.7	X	0.0	1.5
15	7.4	95.5 8	8.0	0.0	6.9	7 & 9.3	7.8	0.0	6.2	63.0 & 7	7.8	0.0	9.4	102 &	7.7	0.5
17.5	7	70.0 0	0.0	0.0	0.7	μ 7.10	7.0	0.0	0.2	00.0 4 7	7.0	0.0		102 u		0.0
20	5.8	93.8 &	7.9	0.0	5.7	4 & 8.3	7.8	0.0	5.2	60.9 & 4	7.7	0.0	6.8	70. &	7.6	0.2
25	5.2	93.0 &	7.8		3.7		_			n <25 m			5.8	71. &	7.6	0.0
	5.2	93.0 ₪	7.0	0.0		піс	top or pr	arits or	DOLLOI	11 <23 111 1	both day	3.	5.6	71. Q	7.0	0.0
		0040	WEST ST	- A - T I A	O.N.I.											
			WEST S													
DEPTHS	09-Sep	DO	рН		####	DO	рН	Turbid.		DO	рН	Turbid	10-Oct	DO	рН	Turbid.
(M)		6 & mg/		NTU	Temp C	% & ma/	l	NTU	Temp C	% & mg/l		NTU	TEMP C	% & ma/	I	NTU
1 or 2									_)						
	23.8	74.1 &	8.4	3.6	20	62 & 5	7.3	0.7	18	67.4 & 5	7.7	0.6	17	61.4 &	7.8	0.6
5	22.9	74.1 & 77.1 &	8.4 8.4	4.1	20 20	62 & 5 61.5 &	7.3 7.4	0.7	18 18	67.4 & 5 63. & 5	7.8	0.6 1.0	17 17	61.4 & & 5.6	7.8 7.8	0.7
10	22.9 15.3	74.1 & 77.1 & 58 &	8.4 8.4 6.9	4.1 2.9	20	62 & 5	7.3	0.7	18 18 18	67.4 & 5	7.8 7.8	0.6 1.0 1.2	17	61.4 &	7.8	
10 12.5	22.9 15.3 11.2	74.1 & 77.1 & 58 & 48. &	8.4 8.4 6.9 6.7	4.1 2.9 2.6	20 20 20	62 & 5 61.5 & 60 & 5	7.3 7.4 7.5	0.7 1.1 1.1	18 18 18 18	67.4 & 5 63. & 5 63. & 5	7.8 7.8 7.4	0.6 1.0 1.2 1.0	17 17 17	61.4 & & 5.6 & 5.6	7.8 7.8 7.8	0.7
10 12.5 15	22.9 15.3 11.2 9.4	74.1 & 77.1 & 58 & 48. & 49.4 &	8.4 8.4 6.9 6.7 6.6	4.1 2.9 2.6 2.3	20 20	62 & 5 61.5 &	7.3 7.4	0.7	18 18 18 18 10	67.4 & 5 63. & 5 63. & 5 38.4 &	7.8 7.8 7.4 7.3	0.6 1.0 1.2 1.0 0.6	17 17 17 10	61.4 & 8 5.6 & 5.6 34.7 &	7.8 7.8 7.8 6.8	0.7 0.4 0.2
10 12.5 15 17.5	22.9 15.3 11.2 9.4 8.2	74.1 & 77.1 & 58 & 48. & 49.4 & 53.4 &	8.4 8.4 6.9 6.7 6.6 6.3	4.1 2.9 2.6 2.3 2.1	20 20 20 8.7	62 & 5 61.5 & 60 & 5 41 & 4	7.3 7.4 7.5	0.7 1.1 1.1 0.3	18 18 18 18 10 7.8	67.4 & 5 63. & 5 63. & 5 38.4 & 39.3 &	7.8 7.8 7.4 7.3 7.2	0.6 1.0 1.2 1.0 0.6 0.3	17 17 17 10 7	61.4 & 8 5.6 & 5.6 & 5.6 34.7 & 35.7 & 8	7.8 7.8 7.8 6.8 6.6	0.7 0.4 0.2 0.0
10 12.5 15 17.5 20	22.9 15.3 11.2 9.4 8.2 7.4	74.1 & 77.1 & 58 & 48. & 49.4 & 53.4 & 54. &	8.4 8.4 6.9 6.7 6.6 6.3 6.2	4.1 2.9 2.6 2.3 2.1 1.8	20 20 20 8.7 6.4	62 & 5 61.5 & 60 & 5 41 & 4 43. & 5	7.3 7.4 7.5 6.2	0.7 1.1 1.1 0.3	18 18 18 18 10 7.8 6.3	67.4 & 5 63. & 5 63. & 5 38.4 & 5 41. & 4.	7.8 7.8 7.4 7.3 7.2 7.3	0.6 1.0 1.2 1.0 0.6 0.3 0.1	17 17 17 10 7 6.5	8 5.6 8 5.6 8 5.6 34.7 8 35.7 8 40.5 &	7.8 7.8 7.8 6.8 6.6 6.7	0.7 0.4 0.2 0.0 0.0
10 12.5 15 17.5 20 25	22.9 15.3 11.2 9.4 8.2	74.1 & 77.1 & 58 & 48. & 49.4 & 53.4 &	8.4 8.4 6.9 6.7 6.6 6.3	4.1 2.9 2.6 2.3 2.1	20 20 20 8.7	62 & 5 61.5 & 60 & 5 41 & 4	7.3 7.4 7.5	0.7 1.1 1.1 0.3	18 18 18 18 10 7.8	67.4 & 5 63. & 5 63. & 5 38.4 & 39.3 &	7.8 7.8 7.4 7.3 7.2	0.6 1.0 1.2 1.0 0.6 0.3	17 17 17 10 7	61.4 & 8 5.6 & 5.6 & 5.6 34.7 & 35.7 & 8	7.8 7.8 7.8 6.8 6.6	0.7 0.4 0.2 0.0
10 12.5 15 17.5 20 25	22.9 15.3 11.2 9.4 8.2 7.4	74.1 & 77.1 & 58 & 48. & 49.4 & 53.4 & 60.5 &	8.4 8.4 6.9 6.7 6.6 6.3 6.2 6.3	4.1 2.9 2.6 2.3 2.1 1.8 1.3	20 20 20 8.7 6.4 5.4	62 & 5 61.5 & 60 & 5 41 & 4 43. & 5	7.3 7.4 7.5 6.2	0.7 1.1 1.1 0.3	18 18 18 18 10 7.8 6.3	67.4 & 5 63. & 5 63. & 5 38.4 & 5 41. & 4.	7.8 7.8 7.4 7.3 7.2 7.3	0.6 1.0 1.2 1.0 0.6 0.3 0.1	17 17 17 10 7 6.5	8 5.6 8 5.6 8 5.6 34.7 8 35.7 8 40.5 &	7.8 7.8 7.8 6.8 6.6 6.7	0.7 0.4 0.2 0.0 0.0
10 12.5 15 17.5 20 25 of	22.9 15.3 11.2 9.4 8.2 7.4 5.9	74.1 & 77.1 & 58 & 48. & 49.4 & 53.4 & 60.5 & 2013	8.4 8.4 6.9 6.7 6.6 6.3 6.2 6.3	4.1 2.9 2.6 2.3 2.1 1.8 1.3	20 20 20 8.7 6.4 5.4	62 & 5 61.5 & 60 & 5 41 & 4 43. & 5 46.4 &	7.3 7.4 7.5 6.2 6.8 7.0	0.7 1.1 1.1 0.3 0.0 0.0	18 18 18 18 10 7.8 6.3 5.4	67.4 & 5 63. & 5 63. & 5 38.4 & 3 39.3 & 4 41. & 4. 45. & 5.	7.8 7.8 7.4 7.3 7.2 7.3 7.4	0.6 1.0 1.2 1.0 0.6 0.3 0.1 0.0	17 17 17 10 7 6.5 5.5	61.4 &	7.8 7.8 7.8 6.8 6.6 6.7 6.8	0.7 0.4 0.2 0.0 0.0 0.0
10 12.5 15 17.5 20 25 of face.	22.9 15.3 11.2 9.4 8.2 7.4 5.9	74.1 & 77.1 & 58 & 48. & 49.4 & 53.4 & 60.5 & 2013	8.4 8.4 6.9 6.7 6.6 6.3 6.2 6.3	4.1 2.9 2.6 2.3 2.1 1.8 1.3 ATIC	20 20 20 8.7 6.4 5.4	62 & 5 61.5 & 60 & 5 41 & 4 43. & 5 46.4 &	7.3 7.4 7.5 6.2 6.8 7.0	0.7 1.1 1.1 0.3 0.0 0.0	18 18 18 18 10 7.8 6.3 5.4	67.4 & 5 63. & 5 63. & 5 38.4 & 3 39.3 & 4 41. & 4. 45. & 5.	7.8 7.8 7.4 7.3 7.2 7.3	0.6 1.0 1.2 1.0 0.6 0.3 0.1 0.0	17 17 17 10 7 6.5 5.5	61.4 &	7.8 7.8 7.8 6.8 6.6 6.7 6.8	0.7 0.4 0.2 0.0 0.0 0.0
10 12.5 15 17.5 20 25 of face. DEPTHS	22.9 15.3 11.2 9.4 8.2 7.4 5.9	74.1 & 77.1 & 58 & 48. & 49.4 & 53.4 & 60.5 & 2013	8.4 8.4 6.9 6.7 6.6 6.3 6.2 6.3	4.1 2.9 2.6 2.3 2.1 1.8 1.3	20 20 20 8.7 6.4 5.4 0N #### Temp C	62 & 5 61.5 & 60 & 5 41 & 4 43. & 5 46.4 &	7.3 7.4 7.5 6.2 6.8 7.0	0.7 1.1 1.1 0.3 0.0 0.0 Turbid.	18 18 18 18 10 7.8 6.3 5.4 #### Temp C	67.4 & 5 63. & 5 63. & 5 38.4 & 5 39.3 & 41. & 4. 45. & 5.	7.8 7.8 7.4 7.3 7.2 7.3 7.4	0.6 1.0 1.2 1.0 0.6 0.3 0.1 0.0	17 17 17 10 7 6.5 5.5	61.4 & 8.5.6 & 5.6 & 5.6 & 34.7 & 35.7 & 40.5 & 43.0 & DO 6 & mg/	7.8 7.8 7.8 6.8 6.6 6.7 6.8	0.7 0.4 0.2 0.0 0.0 0.0 0.0 Turbid.
10 12.5 15 17.5 20 25 of face. DEPTHS (M) 1 or 2	22.9 15.3 11.2 9.4 8.2 7.4 5.9 09-Sep Temp C	74.1 & 77.1 & 58 & 48. & 49.4 & 53.4 & 60.5 & 2013 DO 6 & mg/	8.4 8.4 6.9 6.7 6.6 6.3 6.2 6.3	4.1 2.9 2.6 2.3 2.1 1.8 1.3 ATIC Turbid NTU	20 20 20 8.7 6.4 5.4 DN #### Temp C	62 & 5 61.5 & 60 & 5 41 & 4 43. & 5 46.4 & DO % & mg/ 65.2 &	7.3 7.4 7.5 6.2 6.8 7.0	0.7 1.1 1.1 0.3 0.0 0.0 Turbid. NTU 0.6	18 18 18 18 10 7.8 6.3 5.4 ***********************************	67.4 & 5 63. & 5 63. & 5 38.4 & 5 39.3 & 4 41. & 4. 45. & 5.	7.8 7.8 7.4 7.3 7.2 7.3 7.4 pH	0.6 1.0 1.2 1.0 0.6 0.3 0.1 0.0	17 17 17 10 7 6.5 5.5 10-Oct TEMP C 17	61.4 &	7.8 7.8 7.8 6.8 6.6 6.7 6.8	0.7 0.4 0.2 0.0 0.0 0.0 10 10 10 10 10 10 10 10 10 1
10 12.5 15 17.5 20 25 of face. DEPTHS (M) 1 or 2	22.9 15.3 11.2 9.4 8.2 7.4 5.9	74.1 & 77.1 & 58 & 48. & 49.4 & 53.4 & 60.5 & 2013	8.4 8.4 6.9 6.7 6.6 6.3 6.2 6.3	4.1 2.9 2.6 2.3 2.1 1.8 1.3	20 20 20 8.7 6.4 5.4 DN #### Temp C 20 20	62 & 5 61.5 & 60 & 5 41 & 4 43. & 5 46.4 &	7.3 7.4 7.5 6.2 6.8 7.0 pH 1	0.7 1.1 1.1 0.3 0.0 0.0 Turbid. NTU 0.6 1.1	18 18 18 18 10 7.8 6.3 5.4 #### Temp C 18	67.4 & 5 63. & 5 63. & 5 63. & 5 38.4 & 4 41. & 4. 45. & 5.	7.8 7.8 7.4 7.3 7.2 7.3 7.4 pH	0.6 1.0 1.2 1.0 0.6 0.3 0.1 0.0 Furbid NTU 0.5 0.8	17 17 17 10 7 6.5 5.5 10-Oct TEMP C 17	61.4 & 8.5.6 & 5.6 & 5.6 & 5.6 & 34.7 & 35.7 & 43.0 & 43.0 & 43.0 & 66.7 & 61.6	7.8 7.8 7.8 6.8 6.6 6.7 6.8 pH	0.7 0.4 0.2 0.0 0.0 0.0 0.0 Turbid. NTU 0.4 1.1
10 12.5 15 17.5 20 25 of face. DEPTHS (M) 1 or 2 5	22.9 15.3 11.2 9.4 8.2 7.4 5.9 09-Sep Temp C	74.1 & 77.1 & 58 & 48. & 49.4 & 53.4 & 60.5 & 2013 DO 6 & mg/	8.4 8.4 6.9 6.7 6.6 6.3 6.2 6.3	4.1 2.9 2.6 2.3 2.1 1.8 1.3 ATIC Turbid NTU	20 20 20 8.7 6.4 5.4 DN #### Temp C	62 & 5 61.5 & 60 & 5 41 & 4 43. & 5 46.4 & DO % & mg/ 65.2 &	7.3 7.4 7.5 6.2 6.8 7.0	0.7 1.1 1.1 0.3 0.0 0.0 Turbid. NTU 0.6	18 18 18 18 10 7.8 6.3 5.4 ***********************************	67.4 & 5 63. & 5 63. & 5 38.4 & 5 39.3 & 4 41. & 4. 45. & 5.	7.8 7.8 7.4 7.3 7.2 7.3 7.4 pH	0.6 1.0 1.2 1.0 0.6 0.3 0.1 0.0 Furbid NTU 0.5 0.8	17 17 17 10 7 6.5 5.5 10-Oct TEMP C 17	61.4 &	7.8 7.8 7.8 6.8 6.6 6.7 6.8	0.7 0.4 0.2 0.0 0.0 0.0 10 10 10 10 10 10 10 10 10 1
10 12.5 15 17.5 20 25 of face. DEPTHS (M) 1 or 2 5 10	22.9 15.3 11.2 9.4 8.2 7.4 5.9 09-Sep Temp C	74.1 & 77.1 & 58 & 48. & 49.4 & 53.4 & 60.5 & 2013 DO 6 & mg/	8.4 8.4 6.9 6.7 6.6 6.3 6.2 6.3	4.1 2.9 2.6 2.3 2.1 1.8 1.3 ATIC Turbid NTU	20 20 20 8.7 6.4 5.4 DN #### Temp C 20 20	62 & 5 61.5 & 60 & 5 41 & 4 43. & 5 46.4 & DO % & mg/ 65.2 & 66.2 & 65.7 &	7.3 7.4 7.5 6.2 6.8 7.0 pH 8 7.0 7.1	0.7 1.1 1.1 0.3 0.0 0.0 Turbid. NTU 0.6 1.1	18 18 18 18 10 7.8 6.3 5.4 #### Temp C 18 18	67.4 & 5 63. & 5 63. & 5 38.4 & 4 41. & 4. 45. & 5. DO % & mg/l 64.2 & 5 59.3 & 5	7.8 7.8 7.4 7.3 7.2 7.3 7.4 pH 7.5 7.5	0.6 1.0 1.2 1.0 0.6 0.3 0.1 0.0 Furbid NTU 0.5 0.8	17 17 17 10 7 6.5 5.5 10-Oct TEMP C 17 17	61.4 & 8 5.6 & 5.6	7.8 7.8 7.8 6.8 6.6 6.7 6.8 PH I 6.9 7.3	0.7 0.4 0.2 0.0 0.0 0.0 0.0 Turbid. NTU 0.4 1.1 1.2
10 12.5 15 17.5 20 25 of face. DEPTHS (M) 1 or 2 5 10	22.9 15.3 11.2 9.4 8.2 7.4 5.9 09-Sep Temp C	74.1 & 77.1 & 58 & 48. & 49.4 & 53.4 & 60.5 & 2013 DO 6 & mg/	8.4 8.4 6.9 6.7 6.6 6.3 6.2 6.3	4.1 2.9 2.6 2.3 2.1 1.8 1.3 ATIC Turbid NTU	20 20 20 8.7 6.4 5.4 DN #### Temp C 20 20	62 & 5 61.5 & 60 & 5 41 & 4 43. & 5 46.4 &	7.3 7.4 7.5 6.2 6.8 7.0 pH 1	0.7 1.1 1.1 0.3 0.0 0.0 Turbid. NTU 0.6 1.1	18 18 18 18 19 10 7.8 6.3 5.4 #### Temp C 18 18 18 18	67.4 & 5 63. & 5 63. & 5 38.4 & 4 41. & 4. 45. & 5. DO % & mg/l 64.2 & 5 57.6 & 5 38.4 & 6	7.8 7.8 7.4 7.3 7.2 7.3 7.4 pH 7.5 7.5	0.6 1.0 1.2 1.0 0.6 0.3 0.1 0.0 Furbid NTU 0.5 0.8 1.0	17 17 17 10 7 6.5 5.5 10-Oct TEMP C 17 17 17	61.4 & 8 5.6 & 5.6 & 5.6 & 34.7 & 35.7 & 40.5 & 43.0 & 50.0 & 50.0 & 66.7 & 66.7 & 66.7 & 66.1 & 60.	7.8 7.8 7.8 6.8 6.6 6.7 6.8 PH 6.9 7.3 7.5	0.7 0.4 0.2 0.0 0.0 0.0 0.0 Turbid. NTU 0.4 1.1 1.2
10 12.5 15 17.5 20 25 of face. DEPTHS (M) 1 or 2 5 10 12.5 15	22.9 15.3 11.2 9.4 8.2 7.4 5.9 09-Sep Temp C	74.1 & 77.1 & 58 & 48. & 49.4 & 53.4 & 60.5 & 2013 DO 6 & mg/	8.4 8.4 6.9 6.7 6.6 6.3 6.2 6.3	4.1 2.9 2.6 2.3 2.1 1.8 1.3 ATIC Turbid NTU	20 20 20 8.7 6.4 5.4 DN #### Temp C 20 20	62 & 5 61.5 & 60 & 5 41 & 4 43. & 5 46.4 & DO % & mg/ 65.2 & 66.2 & 65.7 & 40.9 &	7.3 7.4 7.5 6.2 6.8 7.0 pH 8 7.0 7.1	0.7 1.1 1.1 0.3 0.0 0.0 Turbid. NTU 0.6 1.1	18 18 18 18 10 7.8 6.3 5.4 #### Temp C 18 18	67.4 & 5 63. & 5 63. & 5 38.4 & 4 41. & 4. 45. & 5. DO % & mg/l 64.2 & 5 59.3 & 5	7.8 7.8 7.4 7.3 7.2 7.3 7.4 pH 7.5 7.5	0.6 1.0 1.2 1.0 0.6 0.3 0.1 0.0 Furbid NTU 0.5 0.8 1.0	17 17 17 10 7 6.5 5.5 10-Oct TEMP C 17 17	61.4 & 8 5.6 & 5.6 & 5.6 & 34.7 & 35.7 & 40.5 & 43.0 & 66.7 & 66.7 & 66.1 & 60.	7.8 7.8 7.8 6.8 6.6 6.7 6.8 PH 6.9 7.3 7.5	0.7 0.4 0.2 0.0 0.0 0.0 0.0 Turbid. NTU 0.4 1.1 1.2 0.7 0.6
10 12.5 15 17.5 20 25 of face. DEPTHS (M) 1 or 2 5 10 12.5 15	22.9 15.3 11.2 9.4 8.2 7.4 5.9 09-Sep Temp C	74.1 & 77.1 & 58 & 48. & 49.4 & 53.4 & 60.5 & 2013 DO 6 & mg/	8.4 8.4 6.9 6.7 6.6 6.3 6.2 6.3	4.1 2.9 2.6 2.3 2.1 1.8 1.3 ATIC Turbid NTU	20 20 20 8.7 6.4 5.4 DN #### Temp C 20 20	62 & 5 61.5 & 60 & 5 41 & 4 43. & 5 46.4 & DO % & mg/ 65.2 & 66.2 & 65.7 &	7.3 7.4 7.5 6.2 6.8 7.0 pH 8 7.0 7.1	0.7 1.1 1.1 0.3 0.0 0.0 Turbid. NTU 0.6 1.1	18 18 18 18 19 10 7.8 6.3 5.4 #### Temp C 18 18 18 18	67.4 & 5 63. & 5 63. & 5 38.4 & 4 41. & 4. 45. & 5. DO % & mg/l 64.2 & 5 57.6 & 5 38.4 & 6	7.8 7.8 7.4 7.3 7.2 7.3 7.4 pH 7.5 7.5	0.6 1.0 1.2 1.0 0.6 0.3 0.1 0.0 Furbid NTU 0.5 0.8 1.0	17 17 17 10 7 6.5 5.5 10-Oct TEMP C 17 17 17	61.4 & 8 5.6 & 5.6 & 5.6 & 5.6 & 40.5 & 43.0	7.8 7.8 7.8 6.8 6.6 6.7 6.8 PH 6.9 7.3 7.5	0.7 0.4 0.2 0.0 0.0 0.0 0.0 Turbid. NTU 0.4 1.1 1.2
10 12.5 15 17.5 20 25 of face. DEPTHS (M) 1 or 2 5 10 12.5 15	22.9 15.3 11.2 9.4 8.2 7.4 5.9 09-Sep Temp C	74.1 & 77.1 & 58 & 48. & 49.4 & 53.4 & 60.5 & 2013 DO 6 & mg/	8.4 8.4 6.9 6.7 6.6 6.3 6.2 6.3	4.1 2.9 2.6 2.3 2.1 1.8 1.3 ATIC Turbid NTU	20 20 20 8.7 6.4 5.4 DN #### Temp C 20 20 20	62 & 5 61.5 & 60 & 5 41 & 4 43. & 5 46.4 & DO % & mg/ 65.2 & 66.2 & 65.7 & 40.9 &	7.3 7.4 7.5 6.2 6.8 7.0 PH 6.8 7.0 7.1	0.7 1.1 1.1 0.3 0.0 0.0 Turbid. NTU 0.6 1.1 1.1	18 18 18 18 19 10 7.8 6.3 5.4 #### Temp C 18 18 18 18 18 7.2	67.4 & 5 63. & 5 63. & 5 38.4 & 4 41. & 4. 45. & 5. DO % & mg/l 64.2 & 5 59.3 & 5 57.6 & 5 38.4 & 4 36.7 & 6	7.8 7.8 7.4 7.3 7.2 7.3 7.4 pH 7.5 7.5 7.4	0.6 1.0 1.2 1.0 0.6 0.3 0.1 0.0 Turbid NTU 0.5 0.8 1.0	17 17 17 10 7 6.5 5.5 10-Oct 17 17 17 17 17	61.4 & 8 5.6 & 5.6 & 5.6 & 34.7 & 35.7 & 40.5 & 43.0 & 66.7 & 66.7 & 66.1 & 60.	7.8 7.8 7.8 6.8 6.6 6.7 6.8 PH 6.9 7.3 7.5	0.7 0.4 0.2 0.0 0.0 0.0 0.0 Turbid. NTU 0.4 1.1 1.2 0.7 0.6
10 12.5 15 17.5 20 25 of face. DEPTHS (M) 1 or 2 5 10 12.5 15 17.5 20	22.9 15.3 11.2 9.4 8.2 7.4 5.9 09-Sep Temp C	74.1 & 77.1 & 58 & 48. & 49.4 & 53.4 & 60.5 & 2013 DO 6 & mg/	8.4 8.4 6.9 6.7 6.6 6.3 6.2 6.3	4.1 2.9 2.6 2.3 2.1 1.8 1.3 ATIC Turbid NTU	20 20 20 8.7 6.4 5.4 DN #### Temp C 20 20 20 10.6	62 & 5 61.5 & 60 & 5 41 & 4 43. & 5 46.4 & DO % & mg/ 65.2 & 66.2 & 65.7 & 40.9 & 42.2 &	7.3 7.4 7.5 6.2 6.8 7.0 pH 1 6.8 7.0 7.1	0.7 1.1 1.1 0.3 0.0 0.0 0.0 Turbid. NTU 0.6 1.1 1.1	18 18 18 18 18 10 7.8 6.3 5.4 #### Temp C 18 18 18 18 8.1 7.2 6.6	67.4 & 5 63. & 5 63. & 5 38.4 & 39.3 & 4 41. & 4. 45. & 5. DO % & mg/I 64.2 & 5 57.6 & 5 38.4 & 36.7 & 37.8 & 37.8 & 5	7.8 7.8 7.4 7.3 7.2 7.3 7.4 pH 7.5 7.5 7.4 7.4	0.6 1.0 1.2 1.0 0.6 0.3 0.1 0.0 Turbid NTU 0.5 0.8 1.0	17 17 17 10 7 6.5 5.5 10-Oct TEMP C 17 17 17 17 9.8 7.3 6.3	61.4 & 8 5.6 & 5.6 & 5.6 & 5.6 & 40.5 & 43.0	7.8 7.8 7.8 6.8 6.6 6.7 6.8 PH 6.9 7.3 7.5 7.4 7.4	0.7 0.4 0.2 0.0 0.0 0.0 0.0 Turbid. NTU 0.4 1.1 1.2 0.7 0.6 0.1
10 12.5 15 17.5 20 25 of face. DEPTHS (M) 1 or 2 5 10 12.5 15 17.5	22.9 15.3 11.2 9.4 8.2 7.4 5.9 09-Sep Temp C	74.1 & 77.1 & 58 & 48. & 49.4 & 53.4 & 60.5 & 2013 DO 6 & mg/	8.4 8.4 6.9 6.7 6.6 6.3 6.2 6.3	4.1 2.9 2.6 2.3 2.1 1.8 1.3 ATIC Turbid NTU	20 20 20 8.7 6.4 5.4 DN #### Temp C 20 20 20 10.6	62 & 5 61.5 & 60 & 5 41 & 4 43. & 5 46.4 & DO % & mg/ 65.2 & 66.2 & 65.7 & 40.9 & 42.2 &	7.3 7.4 7.5 6.2 6.8 7.0 pH 1 6.8 7.0 7.1	0.7 1.1 1.1 0.3 0.0 0.0 0.0 Turbid. NTU 0.6 1.1 1.1	18 18 18 18 18 10 7.8 6.3 5.4 #### Temp C 18 18 18 18 8.1 7.2 6.6	67.4 & 5 63. & 5 63. & 5 38.4 & 39.3 & 4 41. & 4. 45. & 5. DO % & mg/I 64.2 & 5 57.6 & 5 38.4 & 36.7 & 37.8 & 37.8 & 5	7.8 7.8 7.4 7.3 7.2 7.3 7.4 pH 7.5 7.5 7.4 7.4	0.6 1.0 1.2 1.0 0.6 0.3 0.1 0.0 Turbid NTU 0.5 0.8 1.0	17 17 17 10 7 6.5 5.5 10-Oct TEMP C 17 17 17 17 9.8 7.3 6.3	61.4 & 8 5.6 & 5.6 & 5.6 & 5.6 & 40.5 & 43.0	7.8 7.8 7.8 6.8 6.6 6.7 6.8 PH 6.9 7.3 7.5 7.4 7.4	0.7 0.4 0.2 0.0 0.0 0.0 0.0 Turbid. NTU 0.4 1.1 1.2 0.7 0.6 0.1
10 12.5 15 17.5 20 25 of face. DEPTHS (M) 1 or 2 5 10 12.5 15 17.5	22.9 15.3 11.2 9.4 8.2 7.4 5.9 09-Sep Temp C	74.1 & 77.1 & 58 & 48. & 49.4 & 53.4 & 60.5 & 2013 DO 6 & mg/	8.4 8.4 6.9 6.7 6.6 6.3 6.2 6.3	4.1 2.9 2.6 2.3 2.1 1.8 1.3 ATIC Turbid NTU	20 20 20 8.7 6.4 5.4 DN #### Temp C 20 20 20 10.6	62 & 5 61.5 & 60 & 5 41 & 4 43. & 5 46.4 & DO % & mg/ 65.2 & 66.2 & 65.7 & 40.9 & 42.2 &	7.3 7.4 7.5 6.2 6.8 7.0 pH 1 6.8 7.0 7.1	0.7 1.1 1.1 0.3 0.0 0.0 0.0 Turbid. NTU 0.6 1.1 1.1	18 18 18 18 18 10 7.8 6.3 5.4 #### Temp C 18 18 18 18 8.1 7.2 6.6	67.4 & 5 63. & 5 63. & 5 38.4 & 39.3 & 4 41. & 4. 45. & 5. DO % & mg/I 64.2 & 5 57.6 & 5 38.4 & 36.7 & 37.8 & 37.8 & 5	7.8 7.8 7.4 7.3 7.2 7.3 7.4 pH 7.5 7.5 7.4 7.4	0.6 1.0 1.2 1.0 0.6 0.3 0.1 0.0 Turbid NTU 0.5 0.8 1.0	17 17 17 10 7 6.5 5.5 10-Oct TEMP C 17 17 17 17 9.8 7.3 6.3	61.4 & 8 5.6 & 5.6 & 5.6 & 5.6 & 40.5 & 43.0	7.8 7.8 7.8 6.8 6.6 6.7 6.8 PH 6.9 7.3 7.5 7.4 7.4	0.7 0.4 0.2 0.0 0.0 0.0 0.0 Turbid. NTU 0.4 1.1 1.2 0.7 0.6 0.1
10 12.5 15 17.5 20 25 of face. DEPTHS (M) 1 or 2 5 10 12.5 15 17.5	22.9 15.3 11.2 9.4 8.2 7.4 5.9 09-Sep Temp C	74.1 & 77.1 & 58 & 48. & 49.4 & 53.4 & 60.5 & 2013 DO 6 & mg/	8.4 8.4 6.9 6.7 6.6 6.3 6.2 6.3	4.1 2.9 2.6 2.3 2.1 1.8 1.3 ATIC Turbid NTU	20 20 20 8.7 6.4 5.4 DN #### Temp C 20 20 20 10.6	62 & 5 61.5 & 60 & 5 41 & 4 43. & 5 46.4 & DO % & mg/ 65.2 & 66.2 & 65.7 & 40.9 & 42.2 &	7.3 7.4 7.5 6.2 6.8 7.0 pH 1 6.8 7.0 7.1	0.7 1.1 1.1 0.3 0.0 0.0 0.0 Turbid. NTU 0.6 1.1 1.1	18 18 18 18 18 10 7.8 6.3 5.4 #### Temp C 18 18 18 18 8.1 7.2 6.6	67.4 & 5 63. & 5 63. & 5 38.4 & 39.3 & 4 41. & 4. 45. & 5. DO % & mg/I 64.2 & 5 57.6 & 5 38.4 & 36.7 & 37.8 & 37.8 & 5	7.8 7.8 7.4 7.3 7.2 7.3 7.4 pH 7.5 7.5 7.4 7.4	0.6 1.0 1.2 1.0 0.6 0.3 0.1 0.0 Turbid NTU 0.5 0.8 1.0	17 17 17 10 7 6.5 5.5 10-Oct TEMP C 17 17 17 17 9.8 7.3 6.3	61.4 & 8 5.6 & 5.6 & 5.6 & 5.6 & 40.5 & 43.0	7.8 7.8 7.8 6.8 6.6 6.7 6.8 PH 6.9 7.3 7.5 7.4 7.4	0.7 0.4 0.2 0.0 0.0 0.0 0.0 Turbid. NTU 0.4 1.1 1.2 0.7 0.6 0.1

O; 2013 no	zero.		TABLE 4 (C	ONTINI	IFD)									PAGE 4		
,			171522 1 (6		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,											
				2013	WFST	STAT	ION									
DEPTHS	DEPTHS	03-Aug	DO			17-Aug		рН	Turbid.	29-Aug	DO	рН	Turbid.	DEPTHS		
(M)	(M)		% & mg/l	ρ	NTU		% & mg/l	p	NTU		% & MG/L	Ρ	NTU	(M)		
1 or 2	1 or 2		81. & 6.7	8.7			86 & 7.	8.7	2.7	25.0	84 & 6.7	6.1	4.2	1 or 2		
5	5		79. & 6.5	8.7			82. & 6.9	8.7	2.9	25.0	85 & 6.8	5.7	4.7	5		
10	10	17.2	35. & 3.1	7.9	1.8	18	34.8 & 2.7	7.9	2.4	16.0	64 & 6.0	4.3	4.1	10		
12.5	12.5									11.0	56 & 6.0	12.7	3.5	12.5		
15	15	9.1	46. & 5.2	7.7	0.7	9	41.5 & 4.6	7.6	1.2	10.0	56 & 6.0	6.6	3.1	15		
17.5	17.5									8.0	60 & 6.9	6.4	2.5	17.5		
20	20	6.3	58. & 6.9				53. & 6.4	7.6	0.8	6.5	64 & 7.6	6.4	2.2	20		
25	25	5.4	59.4 & 7.3	7.6	0.0	6	57. & 7.0	7.6	0.3	6.0	67 & 8.1	6.5	1.2	25		
			2013 EA													
DEPTHS	DEPTHS			рН		17-Aug		pН	Turbid.	29-Aug		рН	Turbid.	DEPTHS		
(M)	(M)		% & mg/l				% & mg/l		NTU	TEMP C	% & MG/L		NTU	(M)		
1 or 2	1 or 2		82. & 6.8				91 & 7.2	8.7	2.8					1 or 2		
5	5		80. & 6.0	8.6			87. & 7.3	8.7	3.3	NR	NR	NR	NR	5		
10	10	18.7	40.8 & 3.	8.0	1.7	20	52. & 4.4	8.2	2.6					10		
12.5	12.5													12.5		
15	15	9.3	43. & 4.8	7.6	0.7	10	30.8 & 4.3	7.6	1.5					15		
17.5	17.5													17.5		
20	20		51. & 6.2	7.5		6	49. & 5.9	7.5	8.0					20		
25	25	5.4	55 & 6.7	7.5	0.0	5.5	51. & 6.2	7.5	0.7					25		
											C	ONTINU	JED ON PA	GE 3		
DEPTHS																
(M)																
1 or 2																
5																
10																
12.5 15																
17.5																
20																
25																
DEPTHS	1					-										
(M)	1															
1 or 2	†															
5																
10																
12.5	1															
15																
17.5																
20	1															
25																
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