Ashumet From Ed Eichner Sept 19,2011

Note: Ed Eichner sent data from '03 to '08 that he rec'd from Ed Baker.

G. Reichenbacher added data from '01, '10 and '11

GJR updated all sheets 10/17/11

Disolved Oxygen below 5 mg/liter shown yellowed.

Fish "show discomfort" below this level.

Hottest Readings in Bold

			Feet=	1.6	6.6	13.1	19.7	26.2	32.8	39.4	45.9	52.5	59.0	65.6	Feet=	1.6	6.6	13.1	19.7	26.2	32.8	39.4	45.9	52.5	59.0	65.6
Blue = worst readings			Meters =	0.5M	2.0M	4.0M	6.0M	8.0M	10.0M	12.0M	14.0M	16.0M	18.0M	20.0M	Meters =	0.5M	2.0M	4.0M	6.0M	8.0M	10.0M	12.0M	14.0M	16.0M	18.0M	20.0M
	Secchi	Total		T	T	T	T	T	T	T	T	T	T	T		DO	DO	DO	DO	DO	DO	DO	DO	DO	DO	DO
Date	(meters)	(meters)		(deg C	(deg C)	deg C	deg C	deg C	deg C	deg C	deg C	deg C	deg C	deg C)		(mg/L	(mg/L	(mg/L	(mg/L	(mg/L	(mg/L	(mg/L	(mg/L	(mg/L	(mg/L	(mg/L
2001																										
9/19/01	2.8			22	22	21	21	20	15							8.3	8.3	8.3	7.0	5.7	0.2					
2003																										
6/9/2003	3.75	18		17	17	17	17	16	14	13	11	10	11			10.4	10.9	11.1	10.5	10.4	9.4	7.3	4.9	2.7	0.8	
6/27/2003	3.7	20		26	26	20	20	16	14	13	12	11	11	11		9.2	9.5	9.9	9.3	7.3	4.4	3.2	2.8	1.9	0.6	0.4
7/8/2003	3.8	20		26	26	22	20	17	15	13	12	11	11	11		7.9	7.9	8.1	7.4	6.2	4.6	2.2	1.7	0.5	0.3	0.2
7/25/2003	2.45	20		25	24	24	24	17	16	13	12	11	11	11		8.0	7.9	7.8	7.7	4.8	2.2	1.0	0.3	0.2	0.2	0.2
8/12/2003	2.9	18		26	26	26	25	18	14	13	12	11	11			8.1	7.9	7.9	7.0	1.5	0.6	0.4	0.4	0.4	0.3	
8/23/2003	3.65	20		26	26	26	26	18	16	14	12	11	11	11		8.0	8.0	7.8	7.4	0.5	0.3	0.3	0.2	0.2	0.2	0.2
9/15/2003	3.05	14		22	22	22	22	21	14	13	12					9.0	9.1	8.9	8.8	6.7	0.5	0.3	0.0			
9/25/2003	2.7	18		22	22	22	22	22	16	12	12	12	12			7.9	8.0	7.9	7.8	7.8	1.5	0.4	0.5	0.3	0.4	
10/9/2003	2.35	18.0		18	18	18	18	18	17	13	12	11	11			9.3	9.1	8.5	8.5	8.0	5.1	0.4	0.3	0.3	0.3	
2004																										
5/6/2004	7.95	20.5		14	14	14	14	14	13	12	10	9	9	9		10.5	10.8	11.3	11.5	11.6	11.8	11.9	11.8	10.6	10.1	9.6
5/19/2004	4.05	20.0		18	18	18	18	17	14	13	12	9	9			10.1	10.7	10.6	10.7	10.1	10.1	8.7	7.6	6.1	5.9	
6/2/2004	4.7	18.0		17	17	17	17	17	14	13	11	9	10			9.2	9.0	9.1	9.0	9.0	7.8	6.3	5.5	4.4	2.9	
6/16/2004	4.5	20.0		20	20	20	20	18	15	13	11	10	10	10		9.5	9.0	8.8	8.6	8.1	5.6	4.4	3.4	2.5	0.6	0.4
6/28/2004	2.35	18.0		22	22	22	22	18	16	13	12	11	10			8.2	8.2	8.0	7.7	5.9	4.0	2.6	2.4	1.9	1.6	
7/15/2004	2.9	18.0		23	23	23	22	21	18	15	11	12	11			7.8	7.8	7.7	7.6	4.9	3.5	0.9	0.6	0.4	0.4	
7/25/2004	2.5	18.0		24	24	24	23	19	15	13	11	11	11			8.0	7.9	7.8	6.8	3.8	1.1	0.5	0.5	0.4	0.4	
8/9/2004	2.45	18.0		24	24	23	23	18	15	13	11	11	11			7.9	8.0	8.2	8.0	1.0	0.5	0.3	0.3	0.3	0.2	
8/17/2004	3.55			24				23								8.2				7.5						
8/24/2004	3.15	20.0		23	23	23	23	22	14	13	11	11	11	11		7.8	7.6	7.6	7.4	4.2	0.6	0.4	0.4	0.3	0.3	0.3
9/7/2004	2.95	18.0		23	23	23	23	22	15	13	11	11	11			7.7	7.8	7.6	7.4	5.1	1.7	0.8	0.7	0.6	0.5	
9/21/2004	2.25	20.0		20	20	20	20	20	18	13	11	11	11	11		8.1	7.6	7.4	7.4	7.2	3.4	0.9	0.5	0.4	0.3	0.3
10/18/2004	2.0	20.0		16	16	16	16	16	16	15	15	11	11	11		8.6	8.5	8.4	8.4	8.3	8.2	8.0	7.6	1.7	0.5	0.4
2005																										
6/4/2005	5.05	20.0		18	18	17	14	13	12	12	12	12	12	12		9.6	9.9	10.2	10.6	9.8	9.8	9.4	8.7	8.5	8.2	3.7
7/1/2005	2.6	22.0		22	22	22	20	14	13	12	12	12	12	12		8.0	8.1	8.0	7.5	9.0	8.5	6.7	5.1	4.0	23.4	1.9
7/20/2005	3.2	20.0		26	26	25	20	14	13	12	12	12	12	12		7.3	7.8	7.8	7.1	7.1	5.2	3.1	2.6	2.0	1.5	0.5
8/10/2005	2.7	22.0		26	26	26	22	15	13	12	12	12	12	12		8.1	8.1	7.9	7.1	5.8	1.2	0.6	0.5	0.4	0.4	0.4
9/1/2005	2.3	19.0		24	25	25	25	16	13	12	12	12	12			8.2	7.6	7.2	7.3	2.0	0.4	0.3	0.3	0.2	0.2	
9/27/2005	3.3	18.0		21	21	21	22	21	15	12	12	12	12			8.1	8.2	8.3	8.4	8.2	2.6	1.0	0.8	0.7	0.7	
10/21/2005	2.5	18.0		15	15	15	15	15	15	15	12	12	11			9.5	9.4	9.2	9.2	9.4	9.2	8.8	4.5	1.3	0.9	
2006	spreadsheet created Aug 2007																									
6/13/2006	5.75	20.0		20	19	18	18	16	15	14	14	13	12	12		9.0	9.1	9.0	9.1	9.4	7.9	6.6	5.7	4.3	2.5	0.7
7/18/2006	2.5	22.0		27	27	27	23	18	15	14	13	12	12	12		8.7	8.9	8.4	6.6	6.1	3.3	1.1	0.6	0.5	0.4	0.4
8/11/2006	2.5	18.0		26	26	26	26	17	15	14	14	14	14			8.7	8.3	8.1	7.8	2.1	0.8	0.4	0.4	0.4	0.4	
8/23/2006	2.7	18.0		25	24	24	23	20	15	13	13	13	13			8.1	7.9	7.0	5.1	1.0	0.1	0.1	0.1	0.1	0.1	
9/12/2006	2.7	18.0		20	20	20	20	20	16	14	13	13	13			8.0	8.0	7.9	7.8	7.7	1.8	0.7	0.5	0.4	0.3	
9/30/2006	3.05	20.0		20	19	19	19	19	18	14	13	13	13	13		9.4	9.2	9.0	8.5	8.4	6.3	1.3	0.6	0.5	0.4	0.3
2007																										
5/16/2007	6.6	18.0		15	15	15	15	15	9	9	8	8	8			8.8	8.6	8.8	8.7	9.0	9.7	9.1	8.5	7.9	7.6	
6/3/2007	5.4	20.0		21	21	21	17	14	12	10	9	8	8	8		8.4	8.4	8.1	9.6	9.4	8.9	8.5	8.0	7.1	6.8	1.3
6/24/2007	3.85	20.0		21	21	21	20	16	12	10	9	9	8	8		7.6	7.6	7.5	7.5	7.5	5.8	5.5	5.2	4.9	4.2	0.6
7/14/2007	4.4	20.0		25	25	25	22	16	12	10	9	9	9	9		7.4	7.6	7.1	6.5	5.9	4.5	3.8	3.9	3.6	3.6	0.6
8/5/2007	3.75	20.0		27	27	27	24	18	12	10	9	9	9	9												
8/22/2007	2.5	20.0		22	23	23	23	18	13	10	10	9	9	9		7.2	7.1	7.3	7.1	1.4	0.4	0.3	0.3	0.2	0.2	0.2
9/13/2007	3.1	19.0		22	22	22	22	21	13	10	10	9	9			7.5	7.1	7.6	7.4	4.9	0.7	0.2	0.2	0.1	0.1	
10/3/2007	2.0	18.0		20	20	20	20	19	13	11	10	10	9			7.9	7.9	7.4	7.1	6.1	0.7	0.5	0.4	0.4	0.3	
2008																										
5/15/2008	5.25	20.0		13	13	13	13	12	11	8	8	7	7	7		9.7	9.0	9.6	9.7	9.6	9.2	7.7	6.9	5.9	5.6	2.0
6/21/2008	2.9	20.0		23	23	23	19	17	14	10	9	9	8			8.5	8.4	8.1	7.8	7.3	6.3	4.1	3.3	2.4	1.8	
7/15/2008	2.95	18.0		27	27	26	23	17	14	11	9	9	9			7.9	8.1	8.1	5.7	4.9	2.3	1.8	0.8	0.5	0.4	
8/7/2008	2.75	20.0		25	25	25	23	18	14	10	9	9	9	9		7.4	7.4	7.4	4.6	1.8	0.9	0.4	0.4	0.4	0.3	0.3
8/19/2008	2.9	18.0		25	25	25	24	18	14	11	9	9	9			7.5	7.8	7.7	5.4	0.7	0.3	0.3	0.3	0.3	0.3	
9/16/2008	2.5	18.0		22	22	22	22	21	14	11	10	9	10			8.0	7.8	7.6	7.2	6.3	0.4	0.3	0.3	0.3	0.3	
10/1/2008	2.85	18.0		19	19	19	19	19	17	11	10	10	9			7.9	7.8	8.0	7.7	6.8	1.9	0.5	0.5	0.4	0.4	
2009																										
5/16/2009	5.6			16	16	15	15	15	13	11	11	10	10			9.2	9.7	9.6	9.7	9.5	9.0	8.4	7.4	6.9	6.8	
6/3/2009	4.0			18	17	17	17	17	15	12	11	10	10			9.1	9.8	10.0	10.1	9.7	8.8	6.1	5.5	5.0	4.6	
6/27/2009	3.2			20	20	19	18	18	17	12	11	11	10			9.4	9.9	9.9	8.9	8.5	7.1	3.1	2.4	2.0	1.4	
7/13/2009	2.6			22	22	22	19	18	16	12	11	11	10			8.0	8.5	8.5	8.2	5.9	3.4	1.6	1.2	1.0	0.9	
8/1/2009	2.8			26	25	25	24	18	15	13	11	11	11	11		8.2	8.2	8.3	7.0	3.2	0.8	0.6	0.5	0.4	0.3	
8/25/2009	3.2			27	27	27	24	19	15	13	11	11	11			7.0	7.2	6.2	3.5	0.8	0.4	0.4	0.4	0.4	0.4	
9/18/2009	3.1			20	20	20	20	19	18	13	12	11	11	11		7.3	7.3	6.9	7.0	5.9	4.3	0.9	0.6	0.5	0.4	
10/8/2009	2.2			17	17	17	17	17	17	16	11	11	11			8.9	8.9	8.8	8.9	8.8	8.2	3.6	1.4	0.6	0.5	

			Feet=	1.6	6.6	13.1	19.7	26.2	32.8	39.4	45.9	52.5	59.0	65.6
				0.5M	2.0M	4.0M	6.0M	8.0M	10.0M	12.0M	14.0M	16.0M	18.0M	20.0M
	Secchi	Total		T	T	T	T	T	T	T	T	T	T	T
Date	(meters)	(meters)		(deg C	(deg C)	deg C	deg C	deg C	deg C	deg C	deg C	deg C	deg C	deg C)
2010														
6/8/10	2.2			22	22	22	17	14	11	9	9	8	8	8
6/27/10	2.6			25	25	24	18	13	12	9	9	9	9	9
7/17/10	3			**27**	**27**	**27**	18	14	11	9	9	9	9	9
8/7/10	**1.2**			25	25	25	22	14	12	10	9	9	9	
9/16/10	3.4			20	20	20	20	16	11	10	10	9	9	
10/11/10	3.3			17	17	17	17	17	15	10	9	9	9	
2011														
6/7/11	3.3			23	22	21	17	15	13	13	12	11	11	
6/25/2011	1.9			22	21	21	19	15	13	12	12	11	11	
8/3/2011	**0.8**			**27**	**27**	25	21	15	13	12	12	12	11	
9/1/11	1.7		ɔNAI	23	23	23	22	21	14	12	12	11	11	11
9/21/11	3.0			21	20	20	20	20	14	12	12	11	11	
2012														
7/14/12	3.4	19.4		26.5	26.4	26.3	22	16.9	12.7	11.3	11	10.6	10.3	10.3
8/20/12	4.7	17.0		26.0	26.0	25.6	25.4	18.5	13.4	11.6	10.9	10.6		
9/22/12	**3.0**	21.0		20.7	20.6	20.6	20.5	20.3	13.9	11.8	10.9	10.6	10.5	10.5

0.5M	2.0M	4.0M	6.0M	8.0M	10.0M	12.0M	14.0M	16.0M	18.0M	20.0M				
DO	DO	DO	DO	DO	DO	DO	DO	DO	DO	DO				
(mg/L	(mg/L	(mg/L	(mg/L	(mg/L	(mg/L	(mg/L	(mg/L	(mg/L	(mg/L	(mg/L				
8.1	8.1	7.8	7.8	5.6	3.8	1.8	1.4	1.0	0.9	0.9				
7.5	7.3	7.4	2.9	3.4	2.0	0.8	0.7	0.6	0.6	0.6				
7.1	7.2	6.7	1.2	1.5	0.6	0.5	0.7	0.6	0.6	0.5				
8.1	7.5	7.5	1.8	0.5	0.4	0.4	0.4	0.4	0.4					
6.9	6.5	6.6	6.8	0.9	0.6	0.4	0.4	0.4	0.3					
7.8	7.8	7.7	7.9	7.3	5.2	0.8	0.5	0.5	0.4					
8.5	8.9	8.8	9.0	8.8	7.2	5.5	4.4	3.2	1.6					
9.4	9.7	9.5	6.9	6.5	5.3	3.2	1.8	1.1	0.5					
8.7	8.9	6.5	1.0	0.7	0.5	0.4	0.4	0.4	0.3					
7.1	6.9	5.6	4.9	3.2	0.7	0.5	0.4	0.4	0.4	0.3				
8.6	8.4	8.2	7.9	6.9	0.7	0.5	0.4	0.4	0.4	0.3				
7.6	7.5	7.4	9.1	2.3	0.5	0.5	0.5	0.5	0.5	0.4				
8.1	8.2	8.1	7.9	0.6	0.4	0.3	0.3	0.3						
7.3	7.6	7.5	7.6	7.1	0.7	0.4	0.3	0.3	0.2	0.2				

0.5M	2.0M	4.0M	6.0M	8.0M	10.0M	12.0M	14.0M	16.0M	18.0M	20.0M
DO	DO	DO	DO	DO	DO	DO	DO	DO	DO	DO
%	%	%	%	%	%	%	%	%	%	%
95.0	93.6	91.3	104.1	24.2	5.2	4.6	4.4	4.1	4.0	3.9
####	100.4	99.6	96.4	6.1	3.5	3.1	3.0	2.8		
81.5	84.3	83.6	83.7	78.9	6.6	3.2	2.5	2.3	2.2	2.0

ASHUMET SNAPSHOT

TP (ug/L) =30.974 X TP (uM)

TestDate	Depth (M	pH	Alk (mg	Chla (ug/l	Phaeo (ug/l	TP (uM)	TN (uM)	TP (ug/l)	SecchiM
SEPT 1,2011	0.5	6.9	12.4	1.0	3.3	0.7	31.8	21.1	1.7
	3.0	6.9	13.2	2.6	1.7	0.7	21.9	21.3	
	9.0	6.6	15.6	0.7	2.4	0.3	33.8	10.6	
	21.0	6.6	20.4	4.5	24.1	4.7	37.4	####	
AUG 21,2010	0.5	7.1	9.6	13.5	0.8	1.4	47.3	43.7	3.4
	3.0	7.0	9.7	11.1	0.5	0.6	41.2	18.0	
	9.0	6.9	9.6	4.7	3.0	1.5	31.0	45.8	
	17.0	6.8	28.3	37.9	123.8	7.5	####	####	
Aug-07	0.5			5.1				14.3	2.5
Ed Baker report									
AUG. 2007	0.5	6.3	7.6	5.1	0.1	0.5	24.5	15.5	2.7
CREATED 8/13/07	3.0	6.3	7.6	3.5	0.5	0.9	22.5	27.9	
	9.0	6.1	10.8	5.6	0.0	0.5	19.2	15.5	
	20.0	6.3	16.4	6.3	64.4	16.5	####	####	
Aug. 2006	0.5	6.7	14.7	2.2	0.7	0.5	26.9	15.5	
created Aug 2007	3.0	6.7	14.3	2.2	1.3	0.7	25.6	21.7	
	9.0	6.2	20.6	2.2	0.6	0.6	20.0	18.6	
	17.0	6.6	48.0	1.0	1.3	11.6	77.7	####	
Aug-05	0.5			4.7				13.9	2.3
Ed Baker report									
Aug-04	0.5			4.3				38.7	2.25
Ed Baker report									
Aug-03	0.5			1.8				18.6	3.05
Ed Baker report									

TROPHIC STATE CLASSIFICATIONS

	Best OLIGO	Mid MESO	Worst EU	Hyper EU
PHOSPHORUS ug/l	below 12	12 to 24	above 24	96-384
CHLOROPHYL A ug/l	below 2.6	2.6 to 7.2	above 7.2	56-155
SECCHI DEPTH S M	above 4	2 to 4	below 2	below 0.25

John's

From Ed Eichner Sept 19,2011
Note: Ed Eichner sent data from '03 to '08 that he rec'd from Ed Baker.
G. Reichenbacher added data from '01, '09, '10 and '11

Disolved Oxygen below 5 mg/liter shown yellowed.
Fish "show discomfort" below this level.

Blue = worst rdg

Date	Secchi (meters)	Disapp. (meters)	Total	0.5M T (deg C)	2.0M T (deg C)	4.0M T (deg C)	6.0M T (deg C)	8.0M T (deg C)	10.0M T (deg C)	12.0M T (deg C)	14.0M T (deg C)	16.0M T (deg C)	18.0M T (deg C)	20.0M T (deg C)	0.5M DO (mg/L	2.0M DO (mg/L	4.0M DO (mg/L	6.0M DO (mg/L	8.0M DO (mg/L	10.0M DO (mg/L	12.0M DO (mg/L	14.0M DO (mg/L	16.0M DO (mg/L	18.0M DO (mg/L	20.0M DO (mg/L	Comments
2001																										
9/19/2001	3.9			**22**	**22**	**22**	21	21	15						9.0	9.0	9.0	8.9	7.5	0.3						
2003																										
6/15/2003	6.5	14.0		20	20	19	18	16	14	11	11				9.6	9.36	9.69	9.51	9.55	9.11	6.2	5.4				
7/22/2003	4.1	16.2		25	25	25	25	17	15	13	11	11			6.98	6.87	6.9	6.88	8.81	4.33	3.88	2.92	0.84			
8/8/2003	2.9	18.0		**26**	**26**	**26**	**26**	21	14	12	10	10			8.31	8.29	8.3	8.28	8.13	2.88	0.28	0.19	0.16			
8/21/2003	3.3	18.0		**27**	**27**	**26**	**25**	22	15	13	11	10	10		9.16	9.23	8.8	8.24	5.86	0.89	0.18	0.16	0.15	0.14		algae is floating, broken attached weed
9/8/2003	3.8	17.7		23	23	23	23	22	15	12	11	10			7.85	8.02	7.98	7.45	5.87	0.27	0.26	0.26	0.25			
9/17/2003	4.7	17.7		23	23	22	22	22	16	12	11	10			9.15	9.15	8.89	9.09	7.27	0.27	0.26	0.23	0.22			
10/8/2003	3.7	18.0		18	18	18	18	18	18	12	11	10			8.89	8.88	8.84	8.77	8.75	8.79	0.35	0.3	0.26			
2004																										
5/22/2004	6.0	17.1		19	19	18	18	16	14	13	11	10	10		9.8	9.75	9.47	9.4	10.02	9.92	8.78	6.9	5.98	2.3		
6/4/2004	6.3	17.4		18	18	18	18	17	16	13	11	10	10		9.42	9.38	9.33	9.26	9.12	8.63	6.64	4.79	3.1	0.47		
6/20/2004	5.4	18.3		22	22	22	20	19	16	14	12	10	10		8.65	8.6	8.7	9.31	8.7	8	5.5	2.7	1.15	0.8		
7/4/2004	4.8	19.2		24	24	24	23	20	16	13	12	10	10	10	9.44	9.58	9.47	9.2	10.28	6.81	3.38	1.1	0.37	0.28	0.34	
7/18/2004	3.8	19.5		**25**	**24**	**24**	23	21	17	14	11	10	10	10	9.62	9.62	9.46	9.52	8.7	5.8	0.84	0.44	0.37	0.34	0.31	
8/1/2004	3.3	17		**25**	**25**	**25**	25	20	16	14	12	11	12		8.81	8.75	8.73	8.68	5.34	1.57	0.49	0.44	0.41	0.39		
8/17/2004	3.2	19.8		24	23	23	23	23	17	14	12	11	10	10	8.2	8.1	7.92	7.75	7.2	0.47	0.34	0.32	0.31	0.29	0.27	
9/1/2004	4.8	17.3		24	24	24	24	23	18	14	12	11	11	11	8.5	8.35	8.37	8.26	6.95	0.37	0.34	0.29	0.27	0.25	0.22	
9/12/2004	3.8	18		24	23	23	23	23	18	14	12	11	11		8.7	8.78	8.61	8.55	8.44	0.68	0.42	0.37	0.35	0.3		
9/27/2004	3.3	18.6		21	21	21	21	20	16	12	11	11			9	9	9.1	9	8.7	7	1.2	0.7	0.5	0.5		
10/18/2004	3.4	15		16	16	16	16	16	16	16					8.85	8.76	8.87	8.8	8.8	8.7	8.7	5.8				
2005																										
5/29/2005	5.1	19.5		15	14	14	13	13	12	12	12	12	12	12	10.3	10.28	10.3	10.25	10.17	10.1	9.86	9.6	9.22	8.53	1.3	
6/14/2005	6.3	20		23	23	23	17	13	13	12	12	12	12	12	8.7	8.8	8.8	11	11.75	10.7	9.4	7.6	5.6	1.85	0.9	
7/4/2005	4.6	19		24	23	23	23	15	14	13	12	12	11		8.2	8.45	8.42	8.16	8.16	8.2	4.68	3.3	1.6	0.6		
7/26/2005	2.8	20		**26**	**25**	**25**	**24**	17	14	13	12	12	11		8.59	8.63	8.5	8.73	11.4	6.7	3.4	0.4	0.34	0.31		
8/16/2005	2.9	19		**26**	**26**	**26**	**25**	18	14	13	12	12	11		8.2	8.17	8.03	7.59	6.65	4.36	0.8	0.68	0.65	0.61		
9/6/2005	3.3	19		24	24	24	24	20	14	13	12	12	11		7.96	7.94	8.07	7.92	3.14	0.62	0.43	0.4	0.38	0.35		
9/28/2005	3.6	18		22	21	21	21	21	15	13	12	12	12		8.37	8.46	8.3	8.17	7.78	0.45	0.4	0.38	0.37	0.36		
2006																										
7/12/2006	3.6																									
8/16/2006	3.0	17.85		**24**	**24**	**24**	**24**	23	16	14	13	11	11		7.25	7.35	7.02	7.2	6.6	0.8	0.27	0.24	0.23	0.23		
2007																										
5/19/2007	3.6	22		14	14	14	14	14	13	9	8	8	8	8	10.5	10.4	10.4	10.4	10.4	11	11	10.1	9.01	3.2	1	
6/9/2007	4.0	20		21	20	20	19	15	12	9	8	8	8	8	9.4	9.4	9.36	9.3	10.1	9.5	7.6	4.8	4.5	3.95	0.5	
6/27/2007	4.2	20		23	23	23	23	17	13	10	9	8	8	8	8.5	8.6	8.5	8.5	10.3	7.7	6.25	4.85	1.4	0.3	0.25	
7/21/2007	2.7	20		**25**	**25**	**25**	**25**	19	13	10	9	8	8	9	8.2	8.1	8.2	8.2	8.0	5.8	3.4	1.3	0.45	0.3	0.26	
8/11/2007	3.4	20		**25**	**24**	**24**	**24**	19	13	11	9	8	8	8	8.95	8.73	8.58	8.2	6.4	3.8	1.1	0.5	0.45	0.42	0.4	
8/27/2007	3.8	20		24	24	24	23	22	14	11	9	9	9	9	8.6	8.5	8.4	8.0	6.8	1.1	0.2	0.2	0.2	0.2	0.18	
9/21/2007	3.7	20		21	21	20	20	20	15	12	9	9	9	9	8.8	8.8	8.65	8.6	8.0	0.8	0.7	0.55	0.5	0.5	0.46	
10/6/2007	4.2	20		22	22	22	20	20	17	11	9	9	9	9	9.8	9.74	9.9	9.9	8.8	0.7	0.4	0.4	0.33	0.29	0.27	
2008																										
5/18/2008	4.4	20		14	14	14	13	13	13	9	8	7	8	8	10.8	10.7	10.8	10.9	11.0	11.0	10.7	8.8	7.8	0.7	0.4	
6/9/2008	5.3	20		23	21	19	18	17	15	12	9	8	8	8	9	9.2	9.6	9.9	9.8	9.4	8.5	7.5	4.4	1.3	0.8	
6/30/2008	3.9	20		**25**	**25**	**25**	**24**	19	16	12	9	8	8	8	8.4	8.4	8.4	8.4	11.2	8.3	4.6	3.5	0.6	0.4	0.4	
7/18/2008	3.6	20		**27**	**27**	**27**	**26**	19	16	12	9	8	8	8	8.9	8.8	8.7	8.6	11.4	5.3	1.9	1.7	0.6	0.5	0.4	
8/13/2008	2.9	20		**25**	**25**	**25**	**24**	22	15	12	9	8	8	9	8.3	8.3	8.2	7.8	4.7	1.8	0.6	0.5	0.5	0.5	0.5	
9/1/2008 SNAP	4.0	20		24	24	24	24	23	16	13	10	9	9	9	8.4	8.4	8.4	8.3	5.9	0.3	0.2	0.2	0.2	0.2	0.2	
9/21/2008	3.7	20		21	21	21	21	20	20	12	10	9	9	10	8.8	8.7	8.7	8.6	8.6	7.3	0.6	0.5	0.4	0.4	0.4	
10/10/2008	3.8	20		17	17	17	17	17	17	17	10	10	10	10	9.3	9.2	9.2	9.2	9.1	9.0	7.9	0.4	0.3	0.3	0.3	

Date	Secchi (meters)	Total (meters)	0.5M T (deg C)	2.0M T (deg C)	4.0M T (deg C)	6.0M T (deg C)	8.0M T (deg C)	10.0M T (deg C)	12.0M T (deg C)	14.0M T (deg C)	16.0M T (deg C)	18.0M T (deg C)	20.0M T (deg C)	0.5M DO (mg/L	2.0M DO (mg/L	4.0M DO (mg/L	6.0M DO (mg/L	8.0M DO (mg/L	10.0M DO (mg/L	12.0M DO (mg/L	14.0M DO (mg/L	16.0M DO (mg/L	18.0M DO (mg/L	20.0M DO (mg/L	Comments
2009																									
5-23-09	5.4	20.0	*17*	*17*	*17*	*17*	*16*	*15*	*12*	*10*	*10*	*10*	*10*	10.1	10.4	10.7	11.1	11.4	11.4	10.3	7.9	6.9	5.4	4.9	
6-8-09	3.7	20.0	*19*	*19*	*18*	*18*	*17*	*16*	*12*	*10*	*10*	*10*	*10*	9.9	10.7	11.6	11.7	11.5	10.8	8.0	5.1	3.2	3.3	3.1	
7-4-09	4.7	20.0	*22*	*22*	*22*	*19*	*18*	*18*	*14*	*11*	*10*	*10*	*10*	9.9	10.5	11.2	12.6	10.4	9.4	6.3	1.3	0.9	0.7	0.6	
7-19-09	5.0	20.0	***25***	***24***	***24***	***23***	*18*	*17*	*13*	*11*	10	10	10	9.1	9.5	9.7	10.3	10.1	5.6	1.0	1.0	0.8	0.8	0.7	
8-8-09	4.0	20.0	***26***	***26***	***25***	***25***	20	17	13	12	10	10	11	8.5	8.5	8.6	8.3	7.2	1.0	0.6	0.6	0.5	0.5	0.4	
9/2/2009	4.0	20.0	*24*	*23*	*23*	*23*	21	17	14	11	10	10	10	8.2	8.2	8.0	8.0	4.3	0.4	0.3	0.3	0.3	0.3	0.2	
9-26-09	5.1	20.0	*20*	*20*	*20*	*20*	*20*	*14*	*12*	*10*	*11*	*11*	*11*	9.4	9.4	9.4	9.3	8.7	8.3	1.1	0.6	0.5	0.4	0.3	
10-10-09	4.0	20.0	*17*	*17*	*17*	*17*	*17*	*17*	*17*	*12*	*11*	*10*	*11*	9.0	8.8	8.7	8.6	8.5	8.6	7.8	1.1	0.7	0.6	0.5	

Date	0.5M T (deg C)	2.0M T (deg C)	4.0M T (deg C)	6.0M T (deg C)	8.0M T (deg C)	10.0M T (deg C)	12.0M T (deg C)	14.0M T (deg C)	16.0M T (deg C)	18.0M T (deg C)	20.0M T (deg C)	0.5M DO (mg/L	2.0M DO (mg/L	4.0M DO (mg/L	6.0M DO (mg/L	8.0M DO (mg/L	10.0M DO (mg/L	12.0M DO (mg/L	14.0M DO (mg/L	16.0M DO (mg/L	18.0M DO (mg/L	20.0M DO (mg/L
2010																						
5/21/10	17	17	10	11	11	11	9	7	4	3	3	9.7	9.9	16.4	16.4	15.0	14.4	11.0	9.3	8.9	8.9	8.9
6/11/10	22	21	21	21	16	14	12	10	9	9	9	8.9	9.0	9.1	9.0	10.6	8.5	5.8	2.8	1.6	1.3	1.2
7/2/10	**25**	**25**	**25**	**24**	**18**	14	12	10	9	9	9	8.5	8.5	8.6	8.5	10.5	7.2	3.1	1.1	0.7	0.5	0.4
7/21/10	**28**	**27**	**27**	**26**	**18**	15	12	11	9	10	10	8.4	8.4	8.6	8.6	11.2	4.1	1.2	0.5	0.4	0.4	0.4
8-9-10	**26**	**26**	**26**	**25**	**26**	15	12	10	10	9	9	8.6	8.6	8.7	8.7	9.4	3.4	0.3	0.1	0.1	0.1	0.1
9/1/2010	25	25	23	22	22	18	12	11	10	10	11	9.4	9.5	9.7	8.9	7.3	1.7	0.5	0.4	0.3	0.3	0.3
9-18-10	20	20	20	20	20	13	11	10	10	10	10	8.5	8.4	8.3	8.1	8.0	6.0	0.6	0.3	0.3	0.3	0.2
10-9-10	18	18	18	18	18	18	18	11	10	11	11	8.7	8.6	8.6	8.6	8.6	8.6	8.5	0.3	0.3	0.3	0.3
2011																						
6/10/11	24	23	22	19	15	14	13	13	12	12	12	8.9	8.9	9.6	10.2	11.1	10.1	7.2	5.2	3.3	2.2	2.1
7/1/2011	24	24	24	21	17	14	13	13	12	12	12	8.8	8.8	9.0	10.1	11.4	7.8	4.0	1.3	0.5	0.4	0.3
7/19/2011	**27**	**26**	**26**	**25**	18	14	13	13	12	12	12	8.5	8.7	8.9	8.6	12.4	6.8	1.1	0.5	0.3	0.3	0.2
8-10-11	**26**	**26**	**26**	**25**	20	15	14	13	13	13	13	8.1	8.1	8.0	7.7	9.5	2.3	0.5	0.4	0.4	0.4	0.4
8-24-11 SNAP	25	25	25	25	21	15	14	12	12	12	12	8.2	8.2	8.2	8.2	8.3	1.4	0.4	0.3	0.3	0.3	0.3
9/21/2011	21	21	21	20	20	20	14	13	12	12	13	8.7	8.8	8.8	8.7	8.6	7.9	0.5	0.4	0.4	0.3	0.3

Date	Secchi (meters)	Total (meters)	0.5M T (deg C)	2.0M T (deg C)	4.0M T (deg C)	6.0M T (deg C)	8.0M T (deg C)	10.0M T (deg C)	12.0M T (deg C)	14.0M T (deg C)	16.0M T (deg C)	18.0M T (deg C)	20.0M T (deg C)	0.5M DO (mg/L	2.0M DO (mg/L	4.0M DO (mg/L	6.0M DO (mg/L	8.0M DO (mg/L	10.0M DO (mg/L	12.0M DO (mg/L	14.0M DO (mg/L	16.0M DO (mg/L	18.0M DO (mg/L	20.0M DO (mg/L	Comments
2012 note: the Secchi disk was freshly painted before the 8/15/12 reading																									
7/12/12	4.4	18.5	27	26	26	23	18	15	14	13	11	11	11	8.5	8.8	8.7	10.3	11.2	5.3	1.7	0.4	0.4	0.4	0.4	
8/15/12 SNAP	6.3	17.8	27	27	27	26	20	17	14	12	11			7.9	7.9	7.88	7.8	9.5	0.96	0.21	0.2	0.2			
9/21/12	4.0	16.4	21.2	21.2	21.3	21.3	21.2	20.8	14.1	12.6	11.3	11.5		8.7	8.8	8.8	8.7	8.5	7.4	0.6	0.4	0.4	0.36		

Date	0.5M DO %	2.0M DO %	4.0M DO %	6.0M DO %	8.0M DO %	10.0M DO %	12.0M DO %	14.0M DO %	16.0M DO %	18.0M DO %	20.0M DO %
7/12/12	106.5	109.0	106.8	121.1	119.0	53.3	16.4	4.1	3.6	3.4	3.2
8/15/12 SNAP	98.8	99.0	98.1	96.5	104.6	10.0	2.1	1.9	1.9		
9/21/12	97.9	99.0	99.0	98.2	95.4	82.3	5.5	4.0	3.6	3.3	

SNAPSHOT

TP(ug/L) =30.974 X TP(uM)

Test Date	Depth (M)	pH	Alk (mg CaCO3/L)	Chla (ug/L)	%haeo (ug/L	TP (uM)	TN (uM)	TP(ug/l)	Secchi
8/24/11	0.5	7.1	8.6	6.0	0.6	0.5	25.9	16.4	3.7
	3.0	7.2	8.8	4.8	0.9	0.5	24.7	16.1	
	9.0	6.7	11.5	11.8	2.5	0.3	28.6	9.3	
	21	6.8	20.6	0.0	56.8	0.1	54.0	4.3	
9/1/10	0.5	7.4	9.2	4.3	0.0	0.7	25.6	21.7	
	3.0	7.5	9.1	3.3	0.3	0.6	24.9	19.8	
	9.0	6.6	11.7	7.0	1.8	0.3	35.7	10.5	
	20.0	6.8	21.7	0.0	46.6	0.9	63.5	28.5	
9/1/2008									4.0
AUG. 2007	0.5	6.4	8.4	6.4	0.6	0.5	22.8	15.5	3.8
CREATED 8/13/07	3.0	6.3	8.2	6.5	1.2	0.5	22.5	15.5	
	9.0	6.2	10.6	5.5	2.0	0.4	34.5	12.4	
	19.0	6.2	21.3	0.0	7.9	0.9	67.8	27.9	

AUG. 2006	0.5	6.5	17.0	4.2	0.6	0.4	33.9	12.4		3.0
CREATED 8/13/07	3	6.7	17.0	5.2	1.2	0.4	28.1	12.4		
	9	6.3	21.0	2.2	1.0	0.5	43.3	15.5		
	16.85	6.5	46.2	2.0	1.8	0.8	73.1	24.8		
AUG. 2005	0.5			8.0				22.3		2.9
CREATED 8/13/05										
AUG. 2004	0.5			3.6				5.3		3.3
CREATED 8/13/04										
AUG. 2003	0.5			9.6				34.1		3.8
CREATED 8/13/03										
AUG. 2002										
CREATED 8/13/03										
AUG. 2001	0.5	6.8	8.0	3.7				4.0	0.3	3.9
CREATED 8/13/02	3	6.8	8.0	3.2				4.0	0.4	
2001 PALS report	9	6.4	8.1	6.7				7.4	0.3	
	18	6.4	26.7	3.9				26.9	1.2	
AUG. 2000	0.5			3.7				4.0		
CREATED 8/13/01										

ıIFICATIONS

	Best OLIGO	Mid MESO	Worst EU	Hyper EU
²HORUS ug/l	below 12	12 to 24	above 24	96-384
)PHYL A ug/l	below 2.6	2.6 to 7.2	above 7.2	56-155
ll DEPTHS M	above 4	2 to 4	below 2	below 0.25

Mashpee

From Ed Eichner Sept 19,2011
Note: Ed Eichner sent data from '03 to '08 that he rec'd from Ed Baker.
G. Reichenbacher added data from '01, '09, '10 and '11

Disolved Oxygen below 5 mg/liter shown yellowed.
Fish "show discomfort" below this level.

Hottest Readings in Bold

Blue = worst rdg

Date		Secchi (meters)	Total (meters)	Ft= 1.6 M= 0.5M T (deg C)	6.6 2.0M T (deg C)	13.1 4.0M T (deg C)	19.7 6.0M T (deg C)	26.2 8.0M T (deg C)	32.8 10.0M T (deg C)	39.4 12.0M T (deg C)	45.9 14.0M T (deg C)	52.5 16.0M T (deg C)	59.0 18.0M T (deg C)	65.6 20.0M T (deg C)	72.2 22.0M T (deg C)	78.7 24.0M T (deg C)	85.3 26.0M T (deg C)	91.8 28.0M T (deg C)	98.4 30.0M T (deg C)
2003																			
5/29/2003		5.6	>28	15	15	15	15	15	15	14	14	13	13	10	10	10	10	10	
6/17/2003		6.1	30	19	19	19	17	16	14	13	12	12	11	11	11	11	11	10	10
7/1/2003		5.9	28	23	23	22	18	16	14	13	12	12	11	11	11	11	11	11	
7/14/2003		4.5	28	25	25	24	19	17	14	13	12	12	11	11	11	11	11	11	
7/28/2003		**3.6**	28	**25**	**25**	**25**	**24**	17	15	13	12	12	11	11	11	11	11	11	
8/15/2003		3.7	30	**26**	**25**	**26**	**25**	19	15	13	12	12	11	11	11	11	11	11	11
9/1/2003	snap	4.0	30	24	24	24	24	22	15	13	12	12	11	11	11	11	11	11	11
9/16/2003		5.7	30	23	22	22	22	22	16	13	12	12	11	11	11	11	11	11	11
9/27/2003		5.3	30	22	22	22	22	21	19	13	13	12	12	11	11	11	11	11	11
2004																			
5/8/2004		4.7	30	15	14	14	14	14	13	11	10	9	9	8	8	8	8	8	8
5/23/2004		5.9	30	18	18	17	17	15	12	11	10	10	9	8	8	8	8	8	8
6/5/2004		5.9	30	18	18	18	17	17	14	12	11	10	9	8	8	8	8	8	8
6/23/2004		4.6	30	22	21	21	21	18	15	12	11	10	9	9	9	9	9	9	9
7/6/2004		3.7	30	23	23	23	23	19	16	12	11	10	9	9	9	9	9	9	9
7/20/2004		**2.6**	30	**25**	**25**	23	23	21	16	13	11	10	9	9	9	9	9	9	9
8/2/2004		3.6	30	**25**	**25**	24	24	22	15	13	11	10	9	9	9	9	9	9	9
8/19/2004	snap	3.8	30	23	23	23	23	23	17	14	11	11	10	9	9	9	9	9	9
9/2/2004		4.1	30	24	24	24	24	23	20	14	12	11	10	9	9	9	9	9	9
9/14/2004		3.4	30	23	23	23	23	23	22	14	12	11	10	9	9	9	9	9	9
10/1/2004		3.7	30	19	19	19	19	19	19	19	12	11	10	9	9	9	9	9	9
2005																			
5/5/2005		4.2	30	13	13	13	13	12	11	11	10	9	8	8	8	8	8	8	8
6/1/2005		5.2	30	16	16	15	14	12	12	12	12	12	12	12	12	12	12	12	12
6/18/2005		4.2	30	21	21	20	15	13	12	12	12	12	12	12	12	12	12	11	11
7/6/2005		**2.5**	30	23	23	23	20	15	13	12	12	12	12	12	12	12	11	11	11
7/28/2005		3.8	30	**25**	**25**	25	25	17	13	12	12	12	12	12	11	11	11	12	12
8/18/2005	SNAP	3.4	30	**26**	**25**	25	25	19	14	12	12	12	12	11	11	11	11	11	11
9/8/2005		3.8	30	24	24	24	24	23	15	12	12	12	12	11	11	11	11	11	11
9/30/2005		2.8	30	21	21	21	20	20	20	13	12	12	12	11	11	11	11	11	11
2006																			
5/5/2006		7.2	28	13	12	12	12	11	11	11	11	11	11	11	11	7	7	7	
5/29/2006		5.9	30	18	18	17	16	15	14	14	13	12	12	11	10	9	8	8	8
6/16/2006		3.9	30	20	19	19	19	17	15	14	13	12	12	11	10	10	9	9	9
7/10/2006		3.6	28	24	24	24	22	17	16	13	13	13	12	11	11	11	11	11	
7/31/2006		2.7	28	**27**	**27**	**26**	26	19	15	14	13	13	12	11	10	10	10	10	
8/17/2006		**2.2**	29	24	24	24	24	22	16	13	13	12	12	11	10	10	10	10	10
9/8/2006		3.5	30	22	22	21	21	21	18	14	13	12	12	11	10	10	10	10	10
9/30/2006		2.9	30	19	19	19	19	19	19	15	13	12	12	11	11	10	10	10	10
2007																			
5/3/2007		6.4	30	12	12	12	12	11	8	8	8	8	7	7	7	7	7	7	7
5/22/2007		5.9	30	15	15	14	14	14	11	9	9	8	8	8	8	8	8	8	8
6/16/2007		5.1	30	19	18	18	18	17	12	10	9	9	8	8	8	8	8	8	8
7/3/2007		4.0	28	22	22	22	22	18	13	11	10	9	9	9	9	8	9	9	
7/24/2007		3.3	30	**24**	**24**	**24**	**24**	19	14	11	10	9	9	9	9	9	9	9	9
8/15/2007		**3.0**	30	**24**	**24**	**24**	**24**	20	15	11	10	10	9	9	9	9	9	9	9
9/4/2007		3.1	30	23	23	23	23	23	23	13	10	10	9	9	9	9	9	9	9
10/2/2007		3.9	30	20	20	20	20	20	19	12	10	10	9	9	9	9	9	9	9
2008																			
5/6/2008		6.6	30	13	13	13	12	12	9	8	8	7	7	7	7	7	7	7	7
5/24/2008		5.5	30	14	14	14	14	14	13	12	10	10	8	8	7	7	7	7	7
6/13/2008		4.3	28	24	24	22	18	16	15	12	11	10	9	8	8	8	8	8	
7/4/2008		**2.9**	30	**25**	**25**	**25**	21	17	14	12	11	10	9	8	8	8	8	8	8
7/26/2008		3.2	30	**26**	**26**	**25**	25	19	15	12	11	10	9	9	8	8	8	8	8
8/18/2008		4.9	30	24	24	24	24	21	15	12	11	10	9	9	8	8	8	8	8
9/4/2008		3.8	30	23	23	23	23	23	16	13	12	10	9	9	8	8	8	8	8
9/24/2008		3.9	30	20	20	20	20	20	20	14	11	10	10	9	9	9	8	9	9
2009																			
5/5/2009		3.6	30	13	13	13	13	11	10	9	9	9	9	9	9	9	9	9	9
5/25/2009		4.0	30	18	17	17	17	15	13	10	10	9	9	9	9	9	9	9	9
6/11/2009		**3.0**	30	19	18	18	18	17	14	11	10	10	9	9	9	9	9	9	9
7/6/2009		4.5	30	23	22	22	19	18	17	12	10	10	9	9	9	9	9	9	9
7/22/2009		3.9	30	24	24	24	23	18	17	12	11	10	9	9	9	9	9	9	9
8/20/2009		4.7	30	**26**	**26**	**26**	24	21	16	13	11	10	9	9	9	9	9	9	9
9/4/2009		3.5	30	23	23	23	23	22	18	13	11	11	9	9	9	9	9	9	9
10/6/2009		3.3	30	18	18	18	18	18	18	18	12	10	9	9	9	9	9	9	9

Date	Ft= 1.6 M= 0.5M DO (mg/L	6.6 2.0M DO (mg/L	13.1 4.0M DO (mg/L	19.7 6.0M DO (mg/L	26.2 8.0M DO (mg/L	32.8 10.0M DO (mg/L	39.4 12.0M DO (mg/L	45.9 14.0M DO (mg/L	52.5 16.0M DO (mg/L	59.0 18.0M DO (mg/L	65.6 20.0M DO (mg/L	72.2 22.0M DO (mg/L	78.7 24.0M DO (mg/L	85.3 26.0M DO (mg/L	91.8 28.0M DO (mg/L	98.4 30.0M DO (mg/L	Comments
2003																	
5/29/2003	10.73	10.91	11.0	11.1	11.2	11.2	11.4	11.6	10.3	10.2	3.0	2.8	2.9	2.6	2.7		
6/17/2003	9.85	9.91	10.0	9.3	9.3	7.2	4.4	2.7	1.9	1.7	1.0	0.5	0.1	0.1	0.0	0.0	
7/1/2003	9.51	9.56	10.5	8.0	6.3	3.0	0.5	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3		
7/14/2003	8.24	8.5	8.4	8.5	4.8	1.0	0.3	0.2	0.2		0.2	0.2	0.2	0.2	0.2		
7/28/2003	8.73	8.84	8.8	8.6	4.6	0.9	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2		hvy wnd prev day
8/15/2003	8.55	8.47	8.5	7.8	2.2	0.4	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	
9/1/2003 snap	8.04	7.95	8.0	8.0	3.6	0.6	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	
9/16/2003	8.94	8.96	8.8	8.6	8.1	0.6	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	
9/27/2003	8.66	8.44	8.5	8.3	7.7	3.6	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	
2004																	
5/8/2004	10.48	10.53	10.5	10.6	10.6	10.6	10.1	9.5	9.2	9.1	8.8	8.4	8.1	6.7	6.9	6.8	
5/23/2004	9.6	9.7	9.8	9.7	10.3	8.7	7.7	6.6	6.4	6.5	6.5	6.2	5.6	5.1	1.1	0.4	
6/5/2004	10.1	10.9	10.1	9.8	9.6	8.1	5.6	4.1	3.8	3.9	3.9	3.5	3.4	2.9	2.3	0.5	
6/23/2004	9.9	10.5	9.5	9.7	8.8	6.2	2.0	0.5	0.4	0.6	0.8	0.6	0.3	0.3	0.3	0.2	
7/6/2004	9.9	9.9	9.4	9.3	8.6	7.3	0.6	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	
7/20/2004	8.84	8.83	9.1	9.1	7.1	1.7	0.6	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.3	
8/2/2004	9.1	9	8.8	8.8	6.1	1.1	0.5	0.5	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.3	
8/19/2004 snap	8.94	9.13	8.2	9.2	8.5	1.6	0.8	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	
9/2/2004	8.8	9	9.0	9.2	8.5	4.2	0.8	0.5	0.4	0.4	0.3	0.3	0.3	0.3	0.2	0.2	
9/14/2004	8.44	8.36	8.7	8.5	8.5	7.4	1.0	0.5	0.4	0.3	0.3	0.3	0.2	0.2	0.2	0.2	
10/1/2004	8.83	8.46	8.5	8.2	8.1	8.2	7.5	0.4	0.4	0.1	0.3	0.3	0.3	0.3	0.2	0.2	
2005																	
5/5/2005	10.9	11.2	11.1	11.4	11.2	10.7	10.5	10.0	9.4	9.5	9.2	8.8	8.3	7.6	1.0	0.8	
6/1/2005	10.87	10.93	10.8	11.0	10.7	10.3	10.0	9.6	9.3	9.1	8.9	8.5	8.1	7.8	7.2	6.8	
6/18/2005	9.16	9.17	9.2	10.6	9.1	7.4	6.6	4.2	4.1	3.7	3.1	2.6	2.4	1.4	0.3	0.2	
7/6/2005	9.8	9.8	9.9	10.1	8.4	4.0	1.4	1.1	0.9	0.5	0.4	0.3	0.2	0.2	0.2	0.2	
7/28/2005	8.21	8.25	8.2	8.2	6.1	0.9	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	
8/18/2005 SNAP	8.01	8.16	8.1	7.9	5.8	0.8	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	
9/8/2005	8.4	8.5	8.5	8.5	7.4	1.6	0.4	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	
9/30/2005	8.8	8.6	8.6	8.6	8.6	8.5	0.5	0.4	0.3	0.5	0.4	0.4	0.4	0.4	0.4	0.5	
2006																	
5/5/2006	10.8	11.4	11.4	11.3	11.2	11.2	11.2	11.0	11.0	10.6	10.6	9.6	7.1	5.2	0.4		
5/29/2006	10	10.4	10.9	10.8	10.4	9.7	8.6	7.4	6.8	6.6	6.4	5.2	3.2	0.6	0.2	0.2	
6/16/2006	10.8	10.3	10.7	10.3	10.5	6.6	3.7	2.5	2.2	2.5	2.3	1.0	0.5	0.3	0.2	0.2	
7/10/2006	8.7	8.7	8.6	8.5	4.8	1.2	0.4	0.3	0.3	0.3	0.3	0.2	0.3	0.2	0.2		
7/31/2006	9.5	8.6	8.3	7.5	1.5	0.5	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3		
8/17/2006	8.6	8.8	8.8	8.4	3.0	1.3	0.4	0.5	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	
9/8/2006	9.4	10	9.5	9.6	9.0	1.0	0.9	0.5	0.5	0.4	0.5	0.4	0.3	0.4	0.3	0.2	
9/30/2006	9.7	9.5	9.5	9.5	9.2	9.1	0.8	0.6	0.5	0.5	0.4	0.3	0.4	0.3	0.3	0.3	
2007																	
5/3/2007	10.7	10.9	11.0	11.1	11.4	11.6	11.6	11.3	11.0	10.6	10.3	10.3	10.2	10.0	2.5	1.6	
5/22/2007	10.5	10.6	10.8	10.7	10.5	9.9	9.3	8.7	8.5	8.4	8.0	8.0	7.6	7.2	1.3	1.3	
6/16/2007	9.7	9.8	9.7	9.7	9.6	6.2	4.7	4.0	3.8	4.2	4.0	3.8	3.5	2.9	0.6	0.4	
7/3/2007	8.8	8.8	8.8	8.8	9.7	4.7	0.7	0.4	0.8	0.8	0.9	0.8	0.4	0.2	0.2		
7/24/2007	8.35	8.4	8.5	8.6	6.3	1.3	0.6	0.4	0.4	0.4	0.3	0.3	0.3	0.2	0.2	0.2	
8/15/2007	8.9	9.2	8.9	9.0	4.1	0.8	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	
9/4/2007	8.5	8.2	8.2	8.3	8.2	8.3	1.7	0.5	0.4	0.3	0.3	0.3	0.2	0.2	0.2	0.2	
10/2/2007	8.5	8.6	8.5	8.6	8.6	5.8	0.6	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	
2008																	
5/6/2008	10.4	11.2	10.8	11.2	11.0	10.7	9.2	8.6	8.3	8.0	8.0	7.7	7.3	6.9	5.8	5.2	
5/24/2008	10.8	10.9	10.9	10.9	10.7	10.2	9.4	6.8	6.1	4.7	4.0	4.0	3.6	3.3	1.0	1.1	
6/13/2008	9.9	10.2	10.2	11.8	11.9	9.6	2.7	1.4	1.1	1.0	1.0	0.3	0.2	0.2	0.2		
7/4/2008	8.8	8.7	9.2	9.2	6.2	1.4	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	
7/26/2008	8.3	8.5	8.7	8.3	4.5	0.5	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	
8/18/2008	8.7	8.7	8.8	8.8	3.8	0.8	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.2	
9/4/2008	8.8	8.6	8.6	8.5	8.6	1.1	0.4	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	
9/24/2008	8.9	8.9	8.9	8.7	8.5	8.4	0.4	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	
2009																	
5/5/2009	10.3	11.6	11.7	12.1	13.1	13.6	13.1	12.2	11.7	11.5	11.6	11.2	10.5	10.1	5.2	1.9	
5/25/2009	10.5	11.5	12.2	12.2	12.5	10.6	7.6	6.7	6.5	6.0	4.6	3.1	2.5	1.2	0.8	0.6	
6/11/2009	10.2	11.5	12.4	12.4	11.2	6.3	3.0	2.2	1.9	1.7	0.9	0.7	0.7	0.7	0.7	0.7	
7/6/2009	9.2	10.0	10.4	10.6	8.8	6.8	1.5	0.8	0.6	0.5	0.4	0.4	0.4	0.4	0.4	0.4	
7/22/2009	9.0	9.4	9.7	10.6	7.8	4.2	0.7	0.5	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.3	
8/20/2009	8.2	8.5	8.7	7.9	3.8	0.9	0.4	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	
9/4/2009	8.1	8.1	8.2	7.8	6.8	1.0	0.4	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	
10/6/2009	9.2	9.2	9.1	9.1	9.0	8.9	6.4	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	

Date		Secchi (meters)	Total (meters)	0.5M T (deg C)	2.0M T (deg C)	4.0M T (deg C)	6.0M T (deg C)	8.0M T (deg C)	10.0M T (deg C)	12.0M T (deg C)	14.0M T (deg C)	16.0M T (deg C)	18.0M T (deg C)	20.0M T (deg C)	22.0M T (deg C)	24.0M T (deg C)	26.0M T (deg C)	28.0M T (deg C)	30.0M T (deg C)
2010																			
6/17/10		3.9	30	21	21	21	20	20	14	13	11	10	11	11	11	11	11	10	10
7/7/10		4.4	30	**28**	**27**	**26**	23	19	16	12	11	11	10	9	9	9	9	9	9
7/27/10		3.6	30	**26**	**26**	**26**	26	20	17	12	11	10	10	9	9	9	9	9	9
8/16/10	snap	3.7	30	25	25	25	25	25	23	17	13	12	11	10	11	11	11	11	11
9/6/10		4.5	30	23	23	23	23	23	20	13	11	11	10	9	9	9	9	9	9
10/8/10		**2.8**	30	18	18	18	18	18	18	18	12	11	10	9	9	9	9	9	9
2011																			
5/7/2011		4.8	30	14	14	14	14	14	12	11	10	10	9	9	9	8	8	8	8
5/28/2011		4.4	30	18	18	17	15	15	13	13	13	12	12	11	9	8	9	9	9
6/19/2011		3.2	30	21	21	21	21	17	14	13	13	12	12	11	9	9	9	9	8
7/9/2011		**2.8**	30	**26**	**25**	**25**	21	18	15	13	12	12	12	11	10	9	9	9	9
7/28/2011		4.2	30	**27**	**26**	**26**	26	19	15	13	12	12	11	11	10	9	9	9	9
8/17/2011	snap	4.1	30	24	24	24	24	22	16	13	13	12	12	11	10	9	9	9	9
9/10/2011		3.3	30	22	22	22	22	22	22	14	13	12	12	11	10	10	10	10	10
2012																			
7/10/12		4.3	27.6	27	26	25	23	19	16	14	13	12	11	10	10	10	10	10	
8/15/12		4.7	28	27	27	26	25	23	18	14	13	12	11	10	10	10	10		
9/17/12		4.1	27.4	23	23	23	22	22	21	15	13	12	11	11	10	10	10		

Date	0.5M DO (mg/L	2.0M DO (mg/L	4.0M DO (mg/L	6.0M DO (mg/L	8.0M DO (mg/L	10.0M DO (mg/L	12.0M DO (mg/L	14.0M DO (mg/L	16.0M DO (mg/L	18.0M DO (mg/L	20.0M DO (mg/L	22.0M DO (mg/L	24.0M DO (mg/L	26.0M DO (mg/L	28.0M DO (mg/L	30.0M DO (mg/L
2010																
6/17/10	9.2	9.4	9.4	9.5	9.1	4.2	1.2	0.9	0.8	0.7	0.7	0.7	0.7	0.7	0.7	0.8
7/7/10	9.1	9.2	9.4	10.0	8.3	4.6	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
7/27/10	7.8	7.7	7.8	7.8	5.4	2.3	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2
8/16/10 snap	7.8	7.7	7.7	7.7	7.7	5.7	1.7	1.2	0.2	0.2	0.2	0.2	0.2	0.1	0.2	0.1
9/6/10	8.8	8.7	8.8	8.7	8.0	4.5	0.5	0.4	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2
10/8/10	8.1	8.4	8.1	8.2	8.1	8.3	8.1	0.9	0.2	0.2	0.9	0.7	0.6	0.5	0.3	0.3
2011																
5/7/2011	10.1	10.3	10.4	10.5	10.5	10.7	10.2	9.3	8.9	8.5	7.8	7.4	6.1	3.4	0.9	0.8
5/28/2011	10.3	10.4	10.5	10.3	9.9	8.8	7.1	6.0	5.2	5.0	4.6	2.5	0.7	0.4	0.4	0.3
6/19/2011	10.3	10.4	10.4	10.4	8.0	4.9	1.4	1.1	0.9	0.8	0.6	0.3	0.2	0.2	0.2	0.2
7/9/2011	8.3	8.7	8.3	9.2	7.3	1.7	0.5	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2
7/28/2011	8.2	8.5	8.5	8.5	6.9	1.1	0.5	0.4	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
8/17/2011 snap	8.1	8.3	8.1	8.1	6.2	0.5	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
9/10/2011	8.7	8.6	8.5	8.7	8.7	8.1	0.8	0.7	0.6	0.5	0.4	0.4	0.3	0.3	0.3	0.3
2012																
7/10/12	8.6	8.7	8.7	9.1	4.9	0.6	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	
8/15/12	8.6	8.5	8.6	7.8	4.8	0.6	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2		
9/17/12	8.7	8.6	8.6	8.4	6.8	2.5	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2		

Date	0.5M DO %	2.0M DO %	4.0M DO %	6.0M DO %	8.0M DO %	10.0M DO %	12.0M DO %	14.0M DO %	16.0M DO %	18.0M DO %	20.0M DO %	22.0M DO %	24.0M DO %	26.0M DO %	28.0M DO %	30.0M DO %
7/10/12	107.2	107.6	106.7	105.0	52.0	6.0	2.9	2.6	2.6	2.5	2.5	2.4	2.4	2.4	2.4	
8/15/12	107.3	106.0	106.8	94.1	55.0	6.0	1.6	1.5	1.5	1.4	1.4	1.4	1.4	1.4		
9/17/12	100.8	99.1	99.0	95.8	77.0	28.0	2.0	1.5	1.5	1.5	1.5	1.5	1.5	1.5		

Mashpee2 A SNAPSHOT

TP(ug/L) =30.974 X TP(uM)

Test Date	Depth (M)	pH	Alk (mg $CaCO_3$ /L)	Chla (ug/L)	Phaeo (ug/L)	TP (uM)	TN (uM)	TP(ug/l)	Seechi
8/17/11	0.5	7.0	9.7	8.3	1.9	0.1	23.6	2.5	4.1
	3.0	6.91	9.8	5.8	0.4	0.5	25.7	15.2	
	9.0	6.44	12.9	4.1	2.3	0.4	20.6	13.6	
	29.0	6.67	28.5	1.1	9.2	13.2	127.1	408.9	
16-Aug-10	0.5	7.2	11.2	0.6	0.7	0.3	26.1	9	3.7
	3.0	7.1	11.2	0.4	0.7	0.4	24.2	13	
	9.0	6.5	12.4	5.0	5.3	0.5	25.4	16	
	29.0	6.6	22.0	8.8	3.4	7.1	57.1	221	
AUG. 2007 CREATED 8/15/07	0.5	6.6	12.4	2.2	0.7	0.4	22.7	12.4	3.0
	3.0	6.6	12.4	1.7	0.3	0.8	23.6	25	
	9.0	6.2	13.7	8.1	4.7	0.8	22.7	25	
	29.0	6.3	23.7	3.4	2.8	3.3	76.3	102	
Aug. 2006 created Aug 2007	0.5	7.3	25.2	6.3	1.1	0.4	38.9	12.4	2.2
	3.0	6.9	24.2	5.9	1.3	0.6	27.5	18.6	
	9.0	6.4	26.4	5.0	3.4	0.4	21.5	12.4	
	28.0	6.6	59.5	2.9	3.5	6.4	127.1	198.2	
18-Aug-05	0.5			5.4				9.3	3.4
19-Aug-04	0.5			5.0				9.0	3.8
1-Sep-03	0.5			3.8				9.3	4.0
Aug, 2002	0.5			5.2				35.9	2.4

TROPHIC STATE CLASSIFICATIONS

	Best OLIGO	Mid MESO	Worst EU
PHOSPHORUS ug/l	below 12	12 to 24	above 24
CHLOROPHYL A ug/l	below 2.6	2.6 to 7.2	above 7.2
SECCHI DEPTHS M	above 4	2 to 4	below 2

Moody

From Ed Eichner Sept 19,2011
Note: Ed Eichner sent data from '03 to '08 that he rec'd from Ed Baker.
G. Reichenbacher added data from '01, '09, '10 and '11

Disolved Oxygen below 5 mg/liter shown yellowed.
Fish "show discomfort" below this level.

Hottest Readings in Bold

Blue = worst rdg

Date	Secchi (meters)	Total (meters)	0.5M T (deg C)	1.0M T (deg C)	1.5M T (deg C)	2.0M T (deg C)	2.5M T (deg C)	3.0M T (deg C)	3.5M T (deg C)	4.0M T (deg C)	0.5M DO (mg/L	1.0M DO (mg/L	1.5M DO (mg/L	2.0M DO (mg/L	2.5M DO (mg/L	3.0M DO (mg/L	3.5M DO (mg/L	4.0M DO (mg/L	Comments
2001																			
9/20/2001	1.8	2.6	21	21	21	21	21				7.8	7.3	7.9	7.4	6.4				
2003																			
5/16/2003	2.1	3.1	17	17	17	17	17				8.4	8.3	8.3	8.2	8.0				
7/3/2003	2.3	3.8	**25**	**25**	**25**	**25**	**25**	23		21	8.3	8.3	8.3	8.3	8.2	9.3		7.0	"@ 20.9C,5.36DO,54%
8/28/2003	**0.9**	4.0	**25**	**25**	**25**	**25**	**25**	25	25	25	8.3	8.2	7.9	7.5	6.6	4.1	3.2	2.9	
10/6/2003	2.2	4.0	17	17	17	17	17	17	17		8.5	8.5	8.4	8.4	8.4	8.5	8.4		height gage 1.36
2004																			
4/30/2004	2.4	4.0	14	14	14	14	14	14	14	14	10.6	10.6	10.6	10.6	10.6	10.7	10.7	10.7	
6/2/2004	1.6	3.6	20	20	20	19	19	19	18		8.7	8.7	8.9	8.9	8.8	8.9	8.7		
6/29/2004	1.5	3.7	**24**	**24**	**24**	**24**	**24**	24	23		8.6	8.8	8.6	8.5	8.4	8.1	6.7		
7/17/2004	1.6	3.2	**24**	**24**	**24**	**24**	**24**	24	24		8.7	8.5	8.3	8.4	8.4	8.4	8.2		
8/17/2004	2.2	3.7	**24**	**24**	**24**	**24**	**23**	23	23		7.9	7.8	7.6	7.5	7.5	7.6	7.6		
9/7/2004	1.7	3.6	23	23	23	23	23	23	23		8.4	8.2	8.2	8.2	8.1	8.0	8.1		
10/15/2004	**1.4**	3.7	16	16	16	16	16	16			10.3	10.2	10.2	10.0	9.8	9.9			
2005																			
5/24/2005	1.9	4.0	14	14	14	14	14	14	14	14	10.1	10.1	10.2	10.2	10.2	10.1	10.2	10.1	
6/17/2005	**2.0**	3.3	22	22	22	22	22	22	22		8.3	8.4	8.4	8.4	8.5	8.4	8.3		
7/7/2005	2.0	3.9	24	24	24	24	24	24	24	23	7.4	7.3	7.4	7.4	7.4	7.3	7.3	6.1	
8/4/2005	3.4	3.5	**26**	**26**	**26**	**26**	**26**	**26**	26		7.3	7.4	7.2	7.2	7.2	7.0	5.6		
8/30/2005	2.4	3.7	**26**	**26**	**26**	**26**	**26**	**26**	25		7.4	7.5	7.5	7.5	7.4	7.2	6.3		
9/28/2005	2.2	3.7	22	21	21	21	21	21	21		8.2	8.1	7.8	7.8	7.7	7.7	7.7		
10/18/2005	2.4	3.8	16	15	15	15	15	15	15		10.0	10.0	9.9	9.9	9.9	9.9	9.9		
2006																			
5/17/2006	**2.1**	3.9	15	15	15	15	15	15	15	15	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	
6/13/2006	2.3	3.6	20	20	20	19	19	19	19		8.9	8.9	8.8	8.9	8.9	8.6	8.3		
7/12/2006	2.5	3.6	**26**	**26**	**26**	**26**	**26**	**26**	25		7.9	7.8	7.8	7.8	7.7	6.5	7.0		
8/16/2006	3.7	3.8	24	24	24	24	24	24	24	24	7.4	7.7	7.5	7.4	7.3	7.4	7.0	6.8	
9/13/2006	3.7	3.7	19	19	19	19	19	19	19		8.5	8.5	8.5	8.5	8.5	8.5	8.5		
10/10/2006	3.6	3.6	17	17	17	17	17	17	17		9.9	9.6	9.6	9.5	9.9	9.9	10.0		
2007																			
5/11/2007	3.2	3.6	19	19	19	19	19	18	18		9.4	9.6	9.7	9.6	9.6	9.5	10.2		
6/7/2007	**3.0**	3.8	21	21..1	21	21	21	21	21	21	8.1	8.1	8.1	8.1	8.0	8.1	8.0	8.1	
6/29/2007	3.6	3.6	25	25	25	25	25	25	25		7.5	7.5	7.5	7.5	7.5	7.6	7.7		
7/28/2007	3.6	3.6	**27**	**27**	**27**	**27**	**27**	**27**	**27**		7.6	7.8	7.8	7.8	7.8	7.7	6.9		
8/27/2007	3.7	3.7	25	25	25	25	25	25	25		7.8	7.9	7.9	7.9	8.0	8.0	8.0		
9/25/2007	3.6	3.6	21	21	21	21	21	21	21		8.1	8.2	8.2	8.1	8.1	8.1	8.1		
2008																			
5/16/2008	**2.1**	3.5	15	15	15	15	15	14	14		9.8	9.9	9.8	9.8	9.9	9.9	9.6		
6/20/2008	2.9	3.8	24	24	24	24	24	24	24		7.6	7.7	7.5	7.9	7.7	7.6	7.5		
7/18/2008	3.1	3.8	**28**	**28**	**28**	**28**	**28**	**28**	**28**		7.3	7.4	7.5	7.4	7.4	7.2	7.0		
8/13/2008	3.4	3.4	25	25	25	25	24	24			7.6	7.5	7.3	7.1	7.2	7.3			
9/2/2008	3.8	3.8	23	23	23	23	23	23	23		7.9	7.9	8.1	7.9	7.9	7.9	8.0		
10/8/2008	3.7	3.7	16	16	16	16	16	16	16		8.8	8.5	8.6	8.5	8.6	8.6	8.7		
2009																			
5/15/2009	**1.6**	3.4	17	17	17	17	17	17			9.3	9.3	9.3	9.3	9.2	9.2			
6/14/2009	2.8	3.6	21	21	21	20	20	20	20		8.1	8.2	8.5	8.7	8.5	8.1	7.6		
7/7/2009	3.6	3.6	24	24	24	24	24	23	22		8.4	8.3	8.4	8.2	8.0	7.3	7.5		
8/7/2009	3.6	3.6	**26**	**26**	**26**	**26**	**26**	**26**	**26**		7.3	7.2	7.1	7.2	7.2	7.3	7.3		
9/1/2009	3.6	3.6	23	23	23	23	23	23	23		7.1	7.2	7.2	7.2	7.3	7.3	7.3		
10/6/2009	3.6	3.8	18	18	18	18	18	18	18		8.7	8.6	8.6	8.7	8.7	8.7	8.8		

Date	Secchi (meters)	Total (meters)	0.5M T (deg C)	1.0M T (deg C)	1.5M T (deg C)	2.0M T (deg C)	2.5M T (deg C)	3.0M T (deg C)	3.5M T (deg C)	4.0M T (deg C)	0.5M DO (mg/L	1.0M DO (mg/L	1.5M DO (mg/L	2.0M DO (mg/L	2.5M DO (mg/L	3.0M DO (mg/L	3.5M DO (mg/L	4.0M DO (mg/L
2010																		
7/7/2010	3.8	3.8	**28**	**28**	**28**	**28**	27	26	25		8.1	7.9	8.2	8.3	8.9	8.7	8.3	
8/2/2010	3.6	3.6	26	26	26	25	25	25	25		7.5	7.4	7.5	7.4	7.3	7.2	7.3	
9/2/2010	3.7	3.7	26	26	26	26	26	25	25		7.8	8.1	8.0	8.4	8.5	8.3	7.4	
10/8/2010	**3.5**	3.9	17	17	17	17	17	17	17		8.1	8.1	8.1	8.1	8.0	8.0	8.1	
2011																		
6/6/2011	**2.2**	4.2	21	21	21	21	21	20	19	17	8.5	8.5	8.5	8.5	8.3	7.7	5.6	4.2
7/18/2011	3.2	4.0	**26**	**26**	**26**	**26**	**26**	**26**	**26**	**26**	7.6	7.6	7.6	7.6	7.6	7.6	7.5	7.5
8/22/2011	3.7	3.8	**26**	**26**	**26**	**26**	**26**	**26**	**26**	**26**	7.2	7.2	7.2	7.1	7.2	7.2	7.0	6.8
9/28/2011	3.5	4.1	23	23	23	22	22	22	22	21	7.8	7.9	7.8	7.8	7.8	7.6	7.0	5.1

											0.5M DO %	1.0M DO %	1.5M DO %	2.0M DO %	2.5M DO %	3.0M DO %	3.5M DO %	4.0M %
2012																		
7/13/12	3.2	3.8	**27**	**27**	**27**	**27**	**27**	**27**			7.2	7.3	7.3	7.1	7.2	7.0			91.4	91.4	91.1	89.5	90.1	88.1		
9/18/12	**2.9**	4.0	22	22	22	22	22	22	22	22	7.7	7.5	7.6	7.5	7.5	4.5	7.4	7.4	86.1	86.1	85.5	84.8	85.3	85.3	84.9	84.3

Moody 2 SNAPSHOT

TP(ug/L) =30.974 X TP(uM)

Test Date	Depth (M)	pH	Alk (mg $CaCO_3$/L)	Chla (ug/L	haeo (ug/	TP (uM)	TN (uM)	TP(ug/l)	Seechi
8/22/11	0.5	6.4	3.2	1.1	1.9	0.1	26.4	1.5	3.7
	3.7	6.4	3.0	1.8	0.9	0.0	24.3	1.2	
Sept 2,2010	0.5	6.7	3.8			0.1	17.2	4.3	3.7
	2.7	6.7	3.9			0.2	20.3	6.8	

8/27/2007	0.5	5.9	1.3	0.6	0.8	0.2	19.1	6.9	3.7
	2.7	5.8	1.2	1.0	0.8	0.2	19.7	6.2	
Aug 16, 2006	0.5	5.9	3.0	1.2	0.4	0.4	23.0	12.4	3.65
	2.5	5.8	2.8	1.0	0.7	0.4	21.9	12.4	
Aug-05	0.5			2.1				9.6	2.4
Aug-04	0.5			2.3				11.2	1.7
Aug-03	0.5			8.9				27.9	0.9
Aug-02	0.5			7.6				24.8	0.9
Aug-01	0.5			6.4				17.3	1.7

TROPHIC STATE CLASSIFICATIONS

	Best OLIGO	Mid MESO	Worst EU
PHOSPHORUS ug/l	below 12	12 to 24	above 24
CHLOROPHYL A ug/l	below 2.6	2.6 to 7.2	above 7.2
SECCHI DEPTHS M	above 4	2 to 4	below 2

Santuit From Ed Eichner Sept 19,2011

Note: Ed Eichner sent data from '03 to '08 that he rec'd from Ed Baker.

G. Reichenbacher added data from '01, '02,'09, '10 and '11

Disolved Oxygen below 5 mg/liter shown yellowed.

Fish "show discomfort" below this level.

Hottest Readings in Bold

			Feet=	1.6	3.3	4.9	6.6	8.2	9.8	Feet=	1.6	3.3	4.9	6.6	8.2	9.8	
	Blue = worst rdg		meters=	0.5	1.0	1.5	2.0	2.5	3.0	meters=	0.5M	1.0M	1.5M	2.0M	2.5M	3.0M	Comments
Date	Secch	Total		T	T	T	T	T	T		DO	DO	DO	DO	DO	DO	
	(meters	meters)		(deg C	(deg C)	deg C	deg C	deg C	deg C)		(mg/L	(mg/L	(mg/L	(mg/L	(mg/L	(mg/L	
2001																	
9/20/2001				21	21	21	21	21			8.2	8.2	8.1	8.2	7.9		
2002																	
9/17/2002				22	21	21	21	21			7.2	7.4	7.3	7.3	7.3		
2003																	
4/28/2003	2.0	2.6		13	13	13	13	13			11.6	11.8	11.7	11.8	11.9		1 foot thick bottom weed
5/16/2003	1.9	2.8		17	17	17	17	17			9.3	9.3	9.19	9.12	9.03		
7/3/2003	1.1	2.6		**25**	**25**	**25**	**25**	23			10.6	10.7	10.7	10.3	0.67		hvy btm weeds,@2.25m23.6C,DO3.67,44
8/28/2003	0.8	2.5		24	25	25	24	24			8.11	8.03	7.95	6.95	4.55		
10/6/2003	**0.7**	2.4		16	16	16	16				9.08	9.3	9.27	9.43	9.42		hvy btm weeds, pin head sized algal clum
2004																	
4/30/2004	2.0	2.6		14	14	13	13	13			10.9	10.3	10.5	10.5	10.5		
6/2/2004	2.0	2.6		18	18	18	18	18			8.95	8.95	8.9	8.9	8.91		
6/29/2004	0.7	2.3		**23**	**23**	**23**	**23**	**23**			9.8	10.1	9.86	8.85	6.89		
7/17/2004	0.4	2.5		**23**	**23**	**23**	**23**	**23**			7.9	7.98	8	8.1	7.9		
8/17/2004	0.8	2.7		**23**	**23**	**23**	**23**	**23**			7.81	7.04	6.73	6.27	5.86		
9/7/2004	0.4	2.5		22	22	22	22	22			9.7	9.41	9.29	8.81	7.58		
10/15/2004	**0.3**	2.4		15	15	15	15				11.8	11.8	11.5	11.6			
2005																	
5/24/2005	0.9	2.6		14	14	14	14	14			9	9.08	9.04	9.1	9		
6/17/2005	1.0	2.8		21	21	21	21	21	21		8.34	8.37	8.27	7.79	6.82	5.65	
7/7/2005	0.9	2.7		23	23	23	23	23	23		7.41	7.59	7.51	7.49	7.49	7.41	
8/4/2005	0.8	2.5		**26**	**26**	**26**	**25**	**25**			8.28	8.32	8.29	3.56	1.43		
8/30/2005	0.7	2.5		**25**	**25**	**25**	**25**				7.27	7.27	7.1	7.05			
9/28/2005	**0.6**	2.5		21	21	21	21	21			9.8	9.3	8.3	8.2	6.7		
10/18/2005	0.8	2.5		15	15	15	15	15			10.8	10.8	10.9	10.8	10.8		
2006																	
5/17/2006	1.7	2.5		14	14	14	14	14			10.5	10.5	10.5	10.5	10.5		
6/13/2006	0.6	2.7		19	19	19	19	18			9.79	9.97	9.97	9.95	9.78		
7/12/2006	0.7	2.4		**25**	**25**	**25**	**25**	**25**			7.49	7.58	7.49	7.4	7.19		
8/16/2006	**0.3**	2.3		23	23	23	23	23			8.87	9.51	9.25	9	8.94		No anchor weed, water like pea soup, hei
9/13/2006	0.6	2.4		19	19	19	19	19			10.9	10.9	10.7	10.5	10.3		anchor muck
10/10/2006	0.6	2.3		16	16	16	16	16			10.3	10.5	10.8	10.1	9.6		
2007																	
5/11/2007	1.4	2.4		19	19	19	19	19			9.38	9.51	9.49	9.47	9.4		anchor muck
6/7/2007	0.8	2.6		20	20	20	20	20			8.53	8.45	8.43	8.36	8.23		anchor muck& decayed vegetation, pond
6/29/2007	0.7	2.7		24	24	24	24	24			7.13	7.12	6.99	6.85	6.14		
7/28/2007	1.0	2.3		**27**	**27**	26	26	25			7.84	7.82	7.8	7.62	4.64		elodea floating @ ramp height 0.99 fishw
8/27/2007	**0.6**	2.7		25	25	25	24	23			9	9.4	9.5	7.8	3.4		
9/25/2007	0.9	2.2		21	21	21	21				8.3	8.45	8.43	8.34			
2008																	
5/16/2008	1.0	2.7		15	15	15	15	14..4			10.5	10.5	10.5	10.6	10.5		anchor clean
6/20/2008	1.0	2.3		24	24	24	23				7.65	7.68	7.63	7.29			anchor clean
7/18/2008	0.6	2.3		**28**	**28**	**28**	27				9.93	9.98	8.73	5.21			anchor clean,2 adult 7 young swans defe
8/13/2008	0.5	2.5		23	23	23	23	23			5.3	6.4	6.34	6.31	4.72		anchor clean,2 adult 7 young swans defe
9/2/2008	**0.5**	2.5		23	23	23	23	22			8.9	8.9	8.86	8.53	8.33		anchor clean,2 young swans , water thru
10/8/2008	0.7	2.6		15	15	15	15	15			10.7	10.8	10.7	10.6	10.5		anchor clean,11 swans , water thru ladd

Wakeby

From Ed Eichner Sept 19,2011
Note: Ed Eichner sent data from '03 to '08 that he rec'd from Ed Baker.
G. Reichenbacher added data from '09, '10 and '11

Disolved Oxygen below 5 mg/liter shown yellowed.
Fish "show discomfort" below this level.

Hottest Readings in Bold

Date	Secchi (meters)	Total (meters)	Ft= / M=	1.6 / 0.5M T (deg C)	6.6 / 2.0M T (deg C)	13.1 / 4.0M T (deg C)	19.7 / 6.0M T (deg C)	26.2 / 8.0M T (deg C)	32.8 / 10.0M T (deg C)	39.4 / 12.0M T (deg C)	45.9 / 14.0M T (deg C)	52.5 / 16.0M T (deg C)	59.0 / 18.0M T (deg C)	65.6 / 20.0M T (deg C)	Ft= / M=	1.6 / 0.5M DO (mg/L)	6.6 / 2.0M DO (mg/L)	13.1 / 4.0M DO (mg/L)	19.7 / 6.0M DO (mg/L)	26.2 / 8.0M DO (mg/L)	32.8 / 10.0M DO (mg/L)	39.4 / 12.0M DO (mg/L)	45.9 / 14.0M DO (mg/L)	52.5 / 16.0M DO (mg/L)	59.0 / 18.0M DO (mg/L)	65.6 / 20.0M DO (mg/L)	Comments
2003																											
6/14/2003	3.9	19		19	18	18	17	15	14	13	12	11	11			10.1	10.3	10.1	8.6	6.2	3.5	0.2	0.2	0.1	0.1		floating algae (small pieces) near shore)
6/19/2003	3.5	18		20	19	19	17	15	14	13	12	11	11			9.5	9.5	9.1	7.8	5.3	1.1	0.2	0.1	0.1	0.1		
7/2/2003	5.1	16		25	24	20	18	15	13	13	12	11				8.3	8.7	10.1	7.7	3.2	0.2	0.1	0.1	0.1			floating algae (small pieces) near shore)
7/22/2003	2.9	18		25	25	25	23	17	14	12	12	11	11			8.4	8.5	8.4	8.3	1.4	0.3	0.3	0.3	0.3	0.3		
8/8/2003	2.7	16		**26**	**26**	**26**	25	17	14	12	12					8.5	8.5	8.5	7.6	0.5	0.3	0.2	0.2				
8/21/2003	4.0	18		**27**	**26**	**26**	25	18	14	12	12	11				8.4	8.5	8.2	7.5	0.5	0.3	0.3	0.3	0.3			fish on finder 28-32'; 7 meters 24c, 4.7 mg/l, 48.3%
9/9/2003	snap 3.9	16		22	22	22	22	21	14	13	12					8.3	8.3	8.3	8.2	3.7	0.2	0.2	0.2				
9/17/2003	4.5	18		23	23	23	22	21	15	13	12	11				9.1	9.2	9.1	8.5	7.2	0.3	0.3	0.3	0.2			
10/8/2003	**2.1**	19		18	18	18	18	18	18	13	12	11				8.5	8.5	8.3	8.3	8.1	7.9	0.3	0.3	0.3			brown cast to water, fluffy green alae on bottom
2004																											
5/10/2004	4.1	18		15	14	14	14	14	13	12	11	9				10.7	10.6	10.3	10.2	9.7	8.5	5.9	6.1	4.6			
5/27/2004	5.6	17		17	17	17	17	17	13	12	11	10				9.5	9.4	9.3	9.4	9.3	3.6	1.5	1.6	0.4			
6/11/2004	3.8	17		19	19	19	18	17	15	13	11	10				9.6	9.4	9.4	8.9	6.9	2.0	0.5	0.4	0.4			
6/24/2004	3.7	18		22	21	21	20	17	14	13	11	10				9.6	9.6	9.4	9.0	4.7	0.2	0.2	0.2	0.1			
7/8/2004	3.0	19		24	24	23	22	18	14	13	12	10				9.4	9.1	9.0	7.5	4.1	0.3	0.2	0.2	0.1			
7/21/2004	2.5	18		**25**	**25**	**24**	23	18	15	13	11	10				9.0	9.1	8.9	7.8	1.7	0.5	0.4	0.4	0.4			
8/2/2004	3.5	20		**25**	**25**	**25**	24	19	15	13	12	10	10	10		8.6	8.7	8.6	7.5	1.9	0.5	0.3	0.3	0.3	0.3	0.2	
8/25/2004	snap 4.1	16		23	23	23	23	22	15	13	11	11				8.4	8.4	8.3	7.8	7.1	0.3	0.2	0.2	0.1			
9/4/2004	3.8	19		24	24	24	24	23	16	13	12	11				8.8	8.6	8.5	8.5	7.6	0.5	0.4	0.4	0.4			
10/14/2004	**2.9**	18		17	17	17	17	17	17	17	16	16				8.9	8.7	8.4	8.3	8.0	8.2	7.7	7.8	7.5			
2005																											
5/22/2005	3.4	22		13	13	13	13	13	13	11	11	11	11	11		9.9	9.9	9.4	9.9	9.9	9.6	5.9	5.0	4.6	4.2	2.3	
6/5/2005	4.2	20		20	19	16	14	13	12	12	12	12	12	12		10.5	11.2	11.8	11.9	11.4	9.2	4.2	3.8	3.2	3.0	2.6	
6/23/2005	3.8	20		20	20	20	20	15	13	12	12	12	12	12		8.9	8.9	8.9	9.2	10.2	7.6	4.5	2.3	1.3	0.6	0.8	
7/15/2005	3.6	22		**25**	**24**	**24**	23	22	14	12	12	12	11	11		8.6	9.0	9.1	8.2	5.3	4.4	0.3	0.2	0.2	0.2	0.2	
8/3/2005	4.0	20		**26**	**26**	**25**	23	16	13	12	12	11	11	11		8.0	8.1	8.0	7.1	3.1	0.4	0.3	0.2	0.2	0.2	0.2	
8/22/2005	snap 6.0	20		**25**	**25**	**25**	24	17	13	12	11	11	11	11		8.0	8.1	7.9	7.3	2.6	0.3	0.3	0.3	0.3	0.2	0.2	
9/15/2005	3.0	20		24	24	23	23	20	13	12	12	11	11	11		8.2	8.4	8.4	8.2	4.7	0.5	0.4	0.4	0.4	0.3	0.3	
10/21/2005	**2.0**	20		16	16	16	16	16	16	16	16	15	15	15		8.3	8.3	8.4	8.4	8.4	8.6	8.5	8.5	1.9	0.7	0.3	
2006																											
5/11/2006	6.0	20		12	12	12	12	12	12	12	12	12	12	12		10.6	10.3	10.3	10.3	10.3	10.3	10.1	10.1	10.1	2.4	0.4	
5/31/2006	6.0	20		20	19	19	16	15	14	14	14	14	14	14		9.2	9.5	9.6	9.9	9.0	6.0	4.6	4.0	0.7	0.5	0.3	
7/3/2006	2.6	20		24	24	23	22	17	15	15	14	14	14	14		8.6	8.7	8.6	7.8	4.1	0.6	0.5	0.5	0.4	0.3	0.3	
7/16/2006	1.9	20		26	25	25	22	16	15	14	14	14	14	14		9.0	9.0	8.9	5.6	0.5	0.4	0.3	0.3	0.4	0.4	0.4	
8/4/2006	2.4	20		**28**	**28**	**27**	25	17	14	14	13	13	13	13		7.7	7.6	7.1	5.0	1.3	0.5	0.4	0.3	0.3	0.3	0.2	
8/30/2006	snap 2.8	20		22	22	22	22	22	22	15	14	13	13	13		8.6	8.1	8.0	8.0	7.7	7.6	0.7	0.4	0.4	0.3	0.3	
9/13/2006	**1.8**	20		20	20	20	20	20	19	19	19	15	14	13		8.6	8.5	8.4	8.2	8.1	8.0	7.6	7.0	1.2	1.5	0.7	
10/3/2006	2.1	20		18	18	18	18	18	18	18	15	13	13	13		9.0	8.4	7.9	8.0	7.8	7.2	5.9	2.1	0.7	0.4	0.3	
2007																											
5/13/2007	6.6	20		16	16	16	15	12	10	10	9	10	10	10		9.8	10.0	10.0	10.0	9.7	9.0	8.2	0.7	0.5	0.4	0.4	
6/1/2007	4.4	20		20	20	19	16	15	14	14	13	12	10	10		8.2	8.6	9.0	8.8	7.5	7.0	4.0	2.9	2.3	2.5	2.0	
6/19/2007	3.9	20		21	21	19	18	16	13	13	13	13	13	13		9.0	9.2	9.4	9.0	6.1	0.6	0.4	0.4	0.4	0.4	0.5	
7/9/2007	**2.9**	20		23	23	23	23	21	18	15	13	11	10	10		8.2	8.4	8.1	8.1	7.4	4.7	1.3	0.5	0.4	0.4	0.4	
7/30/2007	3.2	20		**27**	**26**	**26**	24	22	16	14	13	12	11	11		8.1	8.3	8.1	7.9	4.8	1.4	0.4	0.2	0.1	0.1	0.1	
8/20/2007	snap 3.2	20		24	24	23	23	23	20	13	14	14	13	13		7.8	7.9	7.7	7.5	6.5	1.0	0.3	0.3	0.2	0.2	0.2	
9/10/2007	3.2	20		23	23	23	22	22	20	15	15	15	15	15		7.7	7.7	7.4	7.3	6.4	1.3	0.4	0.3	0.2	0.2	0.2	
10/2/2007	2.9	20		20	20	20	20	20	19	13	11	11	11	11		8.1	8.2	8.1	8.0	8.1	1.0	0.4	0.2	0.2	0.2	0.2	
2008																											
5/15/2008	5.2	20		13	12	12	12	12	12	12	12	12	12	12		10.2	9.8	10.0	10.1	10.1	9.2	9.1	3.3	2.8	1.5	0.5	
5/30/2008	3.5	20		16	16	16	16	16	16	16	16	15	15	15		10.0	10.1	10.1	10.0	10.0	10.0	9.8	9.3	8.8	8.2	7.2	
6/20/2008	3.5	20		22	22	22	18	16	15	14	12	11	11	11		8.6	8.8	8.8	7.8	5.5	0.5	0.3	0.3	0.2	0.2	0.2	
7/7/2008	**2.6**	20		**26**	**25**	**25**	24	20	17	14	13	12	12	12													
7/30/2008	2.9	20		**26**	**26**	**26**	25	18	15	13	12	11	11	11		8.0	7.8	7.8	6.7	1.0	0.4	0.4	0.3	0.3	0.3	0.3	
8/18/2008	snap 4.1	20		25	25	24	24	19	15	13	12	11	12	12		9.0	9.0	1.0	8.5	1.6	0.5	0.2	0.2	0.1	0.1	0.1	
9/8/2008	4.1	20		23	23	23	23	23	17	14	14	13	12	11		8.2	8.3	8.3	8.1	7.4	0.6	0.4	0.3	0.3	0.3	0.3	
9/30/2008	2.9	20		19	19	19	19	19	19	18	18	18	18	18		8.4	8.3	8.2	7.8	6.1	4.5	0.4	0.3	0.2	0.2	0.2	
2009																											
5/12/2009	3.6	20		16	15	15	15	14	11	11	10	10	10	10		9.5	10.2	10.6	10.5	10.5	7.5	5.3	5.5	4.8	1.2	0.6	
5/29/2009	3.2	20		17	16	16	16	16	14	11	10	10	10	10		9.8	10.3	10.3	10.5	10.4	3.8	1.3	0.9	0.7	0.6	0.6	
6/19/2009	3.2	20		20	20	19	19	18	15	13	11	10	10	11		10.4	11.3	11.4	11.2	7.5	1.2	0.9	0.9	0.8	0.7	0.6	
7/8/2009	**2.8**	20		22	22	22	21	18	16	14	13	13	13	12		8.7	9.9	10.0	9.7	6.9	0.9	0.7	0.7	0.5	0.4	0.4	
8/3/2009	3.2	20		25	25	25	25	21	18	15	13	11	11	11		8.0	8.1	8.0	7.1	4.0	2.4	0.2	0.2	0.2	0.1	0.1	
8/20/2009	snap 4.1	20		**27**	**27**	**26**	24	19	15	13	11	12	12	12		8.3	8.4	8.5	7.7	1.0	0.3	0.2	0.2	0.2	0.3	0.3	
9/8/2009	3.5	20		23	23	22	22	20	16	13	12	11	11	11		8.2	8.3	8.1	7.3	1.1	0.5	0.3	0.3	0.2	0.2	0.2	
10/13/2009	3.1	20		16	16	16	16	16	16	16	16	16	16	16		8.6	8.5	8.5	8.4	8.3	6.5	8.1	8.1	8.1	8.0	8.3	

Date	Secchi (meters)	Total (meters)	0.5M T (deg C)	2.0M T (deg C)	4.0M T (deg C)	6.0M T (deg C)	8.0M T (deg C)	10.0M T (deg C)	12.0M T (deg C)	14.0M T (deg C)	16.0M T (deg C)	18.0M T (deg C)	20.0M T (deg C)	0.5M DO (mg/L)	2.0M DO (mg/L)	4.0M DO (mg/L)	6.0M DO (mg/L)	8.0M DO (mg/L)	10.0M DO (mg/L)	12.0M DO (mg/L)	14.0M DO (mg/L)	16.0M DO (mg/L)	18.0M DO (mg/L)	20.0M DO (mg/L)	Comments
2010																									
6/2/2010	3.5	20.0	21	21	21	19	16	15	13	12	11	11	11	9.2	9.3	9.4	9.7	9.5	5.1	1.3	0.9	0.9	0.9	0.8	
6/17/2010	3.9	20.0	21	21	21	21	19	16	14	14	12	12	11	9.0	8.9	8.8	8.7	7.5	1.1	0.3	0.3	0.3	0.3	0.3	
7/14/2010	3.8	20.0	**28**	**28**	**28**	**28**	27	28	27	25	23	20	15	8.3	8.2	8.1	8.1	7.7	7.8	7.7	8.2	7.9	5.1	1.3	
7/31/2010	4.0	20.0	26	26	26	26	24	19	13	13	13	13	12	7.9	8.0	7.9	7.8	6.0	2.2	0.2	0.2	0.2	0.2	0.3	
8/16/2010	snap **2.7**	20.0	25	25	25	25	23	17	13	12	13	13	13	8.1	8.1	8.2	8.1	5.7	0.7	0.2	0.1	0.1	0.1	0.1	
9/10/2010	3.5	20.0	22	22	22	22	22	18	13	12	11	12	12	8.2	8.2	8.1	7.6	6.2	0.6	0.5	0.4	0.4	0.4	0.3	
2011																									
8/17/2011	snap 3.3	20.0	24	24	24	24	19	14	13	12	13	13	13	8.2	8.4	8.4	8.3	1.7	0.7	0.3	0.2	0.2	0.2		

														0.5M DO %	2.0M DO %	4.0M DO %	6.0M DO %	8.0M DO %	10.0M DO %	12.0M DO %	14.0M DO %	16.0M DO	18.0M DO	
2012																									
7/10/12	3.8	15.5	27	27	26	23	18	16	14	14				9.06	9.12	9.0	8.1	1.7	0.3	0.3	0.2				
8/15/12	4.1	18.5	27	27	26	26	20	16	14	13	12	12		8.86	8.9	8.8	8.2	1.0	0.3	0.2	0.2	0.2	0.2		
9/17/12	3.0	3.1	23	23	23	22	22	16	14	13	12			9.16	9.08	8.9	7.6	6.6	0.2	0.2	0.2	0.2	0.2		

														0.5M DO %	2.0M DO %	4.0M DO %	6.0M DO %	8.0M DO %	10.0M DO %	12.0M DO %	14.0M DO %	16.0M DO	18.0M DO	
2012																									
7/10/12	3.8	15.5	27	27	26	23	18	16	14	14				9.06	9.12	9.0	8.1	1.7	0.3	0.3	0.2				
8/15/12	4.1	18.5	27	27	26	26	20	16	14	13	12	12		8.86	8.9	8.8	8.2	1.0	0.3	0.2	0.2	0.2	0.2		
9/17/12	3.0	3.1	23	23	23	22	22	16	14	13	12			9.16	9.08	8.9	7.6	6.6	0.2	0.2	0.2	0.2	0.2		

	0.5M DO %	2.0M DO %	4.0M DO %	6.0M DO %	8.0M DO %	10.0M DO %	12.0M DO %	14.0M DO %	16.0M DO	18.0M DO
7/10/12	113	114	110	92	18	3	3	2		
8/15/12	111	111	109	101	11	3	2	2	2	2
9/17/12	106	105	103	87	75	2	2	2	1	1

Wakeby 2 B SNAPSHOT

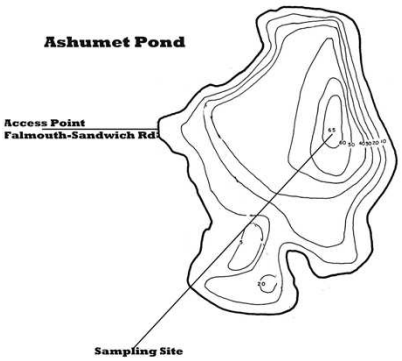
TP(ug/L) =30.974 X TP(uM)

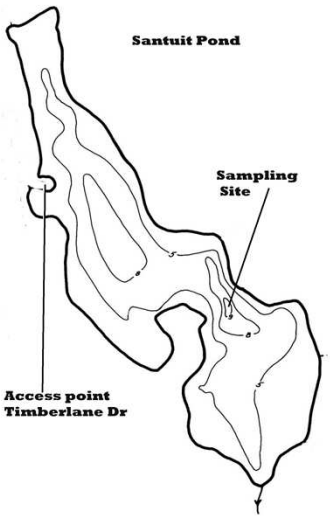
Test Date	Depth (M	pH	Alk (mg $CaCO_3$/L	Chla (ug/L	Phaeo (ug/L	TP (uM)	TN (uM)	TP(ug/l)	Seechi
8/17/11	0.5	7.0	10.1	7.1	0.7	0.3	22.8	9.9	3.3
8/17/11	3.0	7.0	10.1	5.5	1.7	0.5	31.1	16.7	
8/17/11	9.0	6.6	26.6	12.5	18.2	2.8	45.9	85.8	
8/17/11	19.0	6.8	33.7	6.1	13.2	13.6	136.7	421.9	
8/16/10	0.5	7.4	11.8	0.6	1.1	0.6	25.9	17.3	2.7
8/16/10	3.0	7.3	11.6	0.7	1.0	0.5	28.9	15.5	
8/16/10	9.0	6.7	34.9	3.0	1.0	9.5	116.6	294.6	
8/16/10	19.0	6.6	22.4	10.2	0.0	4.3	45.9	133.8	
8/20/09	0.5								4.1
8/18/2008	0.5								4.1
8/20/2007	0.5								3.2
AUG. 2007	0.5	6.5	12.6	4.4	1.1	0.5	23.1	15.5	3.2
CREATED 8/13/07	3.0	6.4	13.7	7.9	3.5	1.4	24.8	43.4	
	9.0	6.3	34.7	2.8	18.9	6.1	122.3	188.9	
	19.0	6.4	38.2	1.4	39.8	2.4	98.1	74.3	

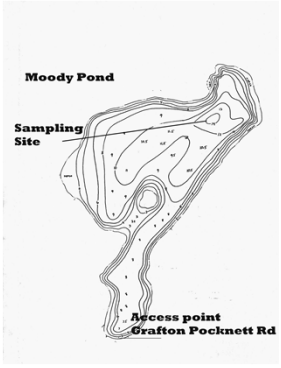
Aug 30, 2006	0.5	6.9	25.0	3.4	2.2	0.5	31.0	15.5	2.8
	3.0	6.8	24.6	2.9	3.4	0.9	36.1	27.9	
	9.0	6.8	26.4	2.9	1.6	0.6	26.1	18.6	
	20.0	6.6	80.5	4.0	16.5	6.5	147.2	201.3	
8/22/2005	0.5			5.3				12.4	
8/25/2004	0.5			7.1				16.1	4.1
9/9/2003	0.5			5.6				31.0	3.9
Aug-02	0.5			6.0				27.9	2.9
Aug-01	0.5			6.3				72.8	2.7

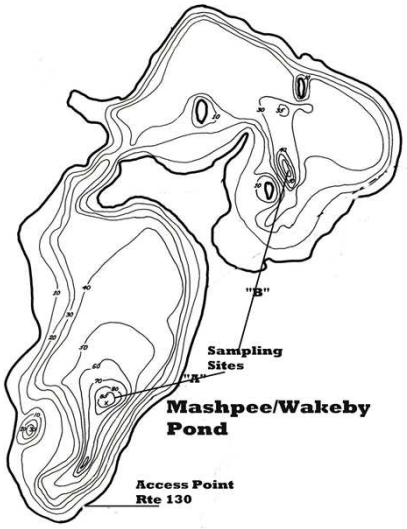
TROPHIC STATE CLASSIFICATIONS

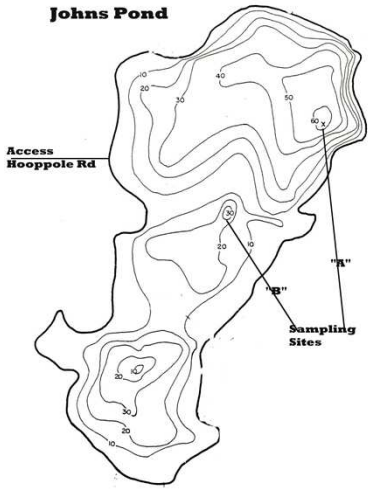
	Best OLIGO	Mid MESO	Worst EU
PHOSPHORUS ug/l	below 12	12 to 24	above 24
CHLOROPHYL A ug/l	below 2.6	2.6 to 7.2	above 7.2
SECCHI DEPTHS M	above 4	2 to 4	below 2


Ashumet Pond
Access Point
Falmouth-Sandwich Rd
Sampling Site


Santuit Pond
Sampling
Site
Access point
Timberlane Dr


Moody Pond
Sampling
Site
Access point
Grafton Pocknett Rd


"B"
Sampling
Sites
"A"
Mashpee/Wakeby
Pond
Access Point
Rte 130


Johns Pond
Access
Hooppole Rd
"A"
"B"
Sampling
Sites

TROPHIC STATE CLASSIFICATIONS	Best OLIGO		Worst EU	Hyper EU
PHOSPHORUS ug/l	below 12		above 24	96-384
CHLOROPHYL A ug/l	below 2.6		above 7.2	56-155
SECCHI DEPTHS M	above 4		below 2	below 0.25

TP(ug/L) =30.974 X TP(uM)

TROPHIC STATE CLASSIFICATIONS	Best OLIGO	Mid MESO	Worst EU	Hyper EU
PHOSPHORUS ug/l	below 12	12 to 24	above 24	96-384
CHLOROPHYL A ug/l	below 2.6	2.6 to 7.2	above 7.2	56-155
SECCHI DEPTHS M	above 4	2 to 4	below 2	below 0.25

ASHUMET SNAPSHOT

Test Date	Depth (M)	Chlor.	Nitrogen	Phosphor	Transparency (Meters)
SEPT 1,2011	0.5	1.0	31.8	21.1	1.7
	3.0	2.6	21.9	21.3	
	9.0	0.7	33.8	10.6	
	21.0	4.5	37.4	144.7	
AUG 21,2010	0.5	13.5	47.3	43.7	3.4
	3.0	11.1	41.2	18.0	
	9.0	4.7	31.0	45.8	
	17.0	37.9	177.4	231.4	
Aug-07 Ed Baker report	0.5	5.1		14.3	2.5
AUG. 2007 CREATED 8/13/07	0.5	5.1	24.5	15.5	2.7
	3.0	3.5	22.5	27.9	
	9.0	5.6	19.2	15.5	
	20.0	6.3	165.3	511.1	
Aug. 2006 created Aug 2007	0.5	2.2	26.9	15.5	
	3.0	2.2	25.6	21.7	
	9.0	2.2	20.0	18.6	
	17.0	1.0	77.7	359.3	
Aug-05 Ed Baker report	0.5	4.7		13.9	2.3
Aug-04 Ed Baker report	0.5	4.3		38.7	2.25
Aug-03 Ed Baker report	0.5	1.8		18.6	3.05

John's SNAPSHOT

Test Date	Depth (M)	Chlor.	Nitrogen	Phosphor	Transparency (Meters)
8/24/11	0.5	6.0	25.9	16.4	3.7
	3.0	4.8	24.7	16.1	
	9.0	11.8	28.6	9.3	
	21	0.0	54.0	4.3	
9/1/10	0.5	4.3	25.6	21.7	
	3.0	3.3	24.9	19.8	
	9.0	7.0	35.7	10.5	
	20.0	0.0	63.5	28.5	
9/1/2008					4.0
AUG. 2007 CREATED 8/13/07	0.5	6.4	22.8	15.5	3.8
	3.0	6.5	22.5	15.5	
	9.0	5.5	34.5	12.4	
	19.0	0.0	67.8	27.9	
AUG. 2006 CREATED 8/13/07	0.5	4.2	33.9	12.4	3.0
	3	5.2	28.1	12.4	
	9	2.2	43.3	15.5	
	16.85	2.0	73.1	24.8	
AUG. 2005 CREATED 8/13/05	0.5	8.0		22.3	2.9
AUG. 2004 CREATED 8/13/04	0.5	3.6		5.3	3.3
AUG. 2003 CREATED 8/13/03	0.5	9.6		34.1	3.8
AUG. 2001 CREATED 8/13/02 2001 PALS report	0.5	3.7		4.0	3.9
	3	3.2		4.0	
	9	6.7		7.4	
	18	3.9		26.9	
AUG. 2000 CREATED 8/13/01	0.5	3.7		4.0	

Santuit SNAPSHOT

Test Date	Depth (M)	Chlor.	Nitrogen	Phosphor	Transparency
8/22/11	0.5	19.4	69.0	58	0.5
8/22/11	1.5	20.2	73.5	55	
2-Sep-10	0.5	99.7	176.84	70	
2-Sep-10	2.0	48.98	135.07	55	
AUG.16, 2007 CREATED 8/13/07	0.5	51.9	69.0	37	0.6
	1.7	75.8	75.4	59	
Aug 16 2006	0.5	77.5	127.7	83.6	0.3
	1.3	73.5	114.9	86.7	
Aug-05	0.5	32.0		71.7	0.7
Aug-04	0.5	6.3		94.8	0.8
Aug-03	0.5	11.4		55.8	0.7
Aug-02	0.5	6.5		23.2	2.5
Aug-01	0.5	2.2		17.3	2.3

Mashpee SNAPSHOT

Test Date	Depth (M)	Chlor.	Nitrogen	Phosphor	Transparency
8/17/11	0.5	8.3	23.6	2.5	4.1
	3.0	5.8	25.7	15.2	
	9.0	4.1	20.6	13.6	
	29.0	1.1	127.1	408.9	
16-Aug-10	0.5	0.6	26.1	9	3.7
	3.0	0.4	24.2	13	
	9.0	5.0	25.4	16	
	29.0	8.8	57.1	221	
AUG. 2007 CREATED 8/15/07	0.5	2.2	22.7	12.4	3.0
	3.0	1.7	23.6	25	
	9.0	8.1	22.7	25	
	29.0	3.4	76.3	102	
Aug. 2006 created Aug 200	0.5	6.3	38.9	12.4	2.2
	3.0	5.9	27.5	18.6	
	9.0	5.0	21.5	12.4	
	28.0	2.9	127.1	198.2	
18-Aug-05	0.5	5.4		9.3	3.4
19-Aug-04	0.5	5.0		9.0	3.8
1-Sep-03	0.5	3.8		9.3	4.0
Aug, 2002	0.5	5.2		35.9	2.4

Wakeby SNAPSHOT

Test Date	Depth (M)	Chlor.	Nitrogen	Phosphor	Transparency
8/17/11	0.5	7.1	22.8	9.9	3.3
8/17/11	3.0	5.5	31.1	16.7	
8/17/11	9.0	12.5	45.9	85.8	
8/17/11	19.0	6.1	136.7	421.9	
8/16/10	0.5	0.6	25.9	17.3	2.7
8/16/10	3.0	0.7	28.9	15.5	
8/16/10	9.0	3.0	116.6	294.6	
8/16/10	19.0	10.2	45.9	133.8	
8/20/09	0.5				4.1
8/18/2008	0.5				4.1
8/20/2007	0.5				3.2
AUG. 2007 CREATED 8/13/07	0.5	4.4	23.1	15.5	3.2
	3.0	7.9	24.8	43.4	
	9.0	2.8	122.3	188.9	
	19.0	1.4	98.1	74.3	
Aug 30, 2006	0.5	3.4	31.0	15.5	2.8
	3.0	2.9	36.1	27.9	
	9.0	2.9	26.1	18.6	
	20.0	4.0	147.2	201.3	
8/22/2005	0.5	5.3		12.4	
8/25/2004	0.5	7.1		16.1	4.1
9/9/2003	0.5	5.6		31.0	3.9
Aug-02	0.5	6.0		27.9	2.9
Aug-01	0.5	6.3		72.8	2.7

Moody SNAPSHOT

Test Date	Depth (M)	Chlor.	Nitrogen	Phosphor	Transparency
8/22/11	0.5	1.1	26.4	1.5	3.7
	3.7	1.8	24.3	1.2	
Sept 2,2010	0.5		17.2	4.3	3.7
	2.7		20.3	6.8	
8/27/2007	0.5	0.6	19.1	6.9	3.7
	2.7	1.0	19.7	6.2	
Aug 16, 2006	0.5	1.2	23.0	12.4	3.65
	2.5	1.0	21.9	12.4	
Aug-05	0.5	2.1		9.6	2.4
Aug-04	0.5	2.3		11.2	1.7
Aug-03	0.5	8.9		27.9	0.9
Aug-02	0.5	7.6		24.8	0.9
Aug-01	0.5	6.4		17.3	1.7