

**Wetlands Research Laboratory**

University of West Florida  
11000 University Pkwy  
Pensacola, FL 32514

State of Florida Certification # E71969

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Laboratory Report by Collection Date from 2/27/2012 to 2/29/2012

**Laboratory Report for:**

**Client** Richard Snyder

**Project** BP/FIO

**Address** 11000 University Pkwy

Lab ID #	Bottle	Field ID	Sampling Date	Receipt Date	Receipt Time	Sample Matrix	Sampler	Analyte	Result	Unit	Data Qualifier(s)	Dilution Factor	CALC MDL	LOQ	Analysis Date	Analysis Time	Method
12- 34859	A	P1-2-29-12-N1	2/29/2012	3/5/2012	9:00	Surface Water	RS/JM	Ammonia-N (FIA)	25.000	ug N/L	UY	1	25.000	50.000	03/06/12	14:07	350.1
12- 34859	B	P1-2-29-12-N1	2/29/2012	3/5/2012	9:00	Surface Water	RS/JM	Total Kjeldahl Nitrogen (FIA)	0.290	mg N/L	I	1	0.100	0.500	03/12/12	13:14	351.2
12- 34859	A	P1-2-29-12-N1	2/29/2012	3/5/2012	9:00	Surface Water	RS/JM	Nitrate/Nitrite, Total	4.000	ug N/L	UY	1	4.000	12.000	03/08/12	17:46	353.2
12- 34859	A	P1-2-29-12-N1	2/29/2012	3/5/2012	9:00	Surface Water	RS/JM	Phosphorus (FIA)	16.650	ug P/L	Y	1	5.000	10.000	03/06/12	14:07	365.1
12- 34859	B	P1-2-29-12-N1	2/29/2012	3/5/2012	9:00	Surface Water	RS/JM	Total Phosphorus (FIA)	0.100	mg P/L	U	1	0.100	0.500	03/12/12	13:14	365.4
12- 34860	A	P1-2-29-12-N2	2/29/2012	3/5/2012	9:00	Surface Water	RS/JM	Ammonia-N (FIA)	25.000	ug N/L	UY	1	25.000	50.000	03/06/12	14:07	350.1
12- 34860	B	P1-2-29-12-N2	2/29/2012	3/5/2012	9:00	Surface Water	RS/JM	Total Kjeldahl Nitrogen (FIA)	0.231	mg N/L	I	1	0.100	0.500	03/12/12	13:14	351.2
12- 34860	A	P1-2-29-12-N2	2/29/2012	3/5/2012	9:00	Surface Water	RS/JM	Nitrate/Nitrite, Total	4.000	ug N/L	UY	1	4.000	12.000	03/08/12	17:46	353.2
12- 34860	A	P1-2-29-12-N2	2/29/2012	3/5/2012	9:00	Surface Water	RS/JM	Phosphorus (FIA)	16.830	ug P/L	Y	1	5.000	10.000	03/06/12	14:07	365.1
12- 34860	B	P1-2-29-12-N2	2/29/2012	3/5/2012	9:00	Surface Water	RS/JM	Total Phosphorus (FIA)	0.100	mg P/L	U	1	0.100	0.500	03/12/12	13:14	365.4
12- 34861	A	P3-2-29-12-N1	2/29/2012	3/5/2012	9:00	Surface Water	RS/JM	Ammonia-N (FIA)	25.000	ug N/L	UY	1	25.000	50.000	03/06/12	14:07	350.1
12- 34861	B	P3-2-29-12-N1	2/29/2012	3/5/2012	9:00	Surface Water	RS/JM	Total Kjeldahl Nitrogen (FIA)	0.269	mg N/L	I	1	0.100	0.500	03/12/12	13:14	351.2
12- 34861	A	P3-2-29-12-N1	2/29/2012	3/5/2012	9:00	Surface Water	RS/JM	Nitrate/Nitrite, Total	4.000	ug N/L	UY	1	4.000	12.000	03/08/12	17:46	353.2
12- 34861	A	P3-2-29-12-N1	2/29/2012	3/5/2012	9:00	Surface Water	RS/JM	Phosphorus (FIA)	16.520	ug P/L	Y	1	5.000	10.000	03/06/12	14:07	365.1
12- 34861	B	P3-2-29-12-N1	2/29/2012	3/5/2012	9:00	Surface Water	RS/JM	Total Phosphorus (FIA)	0.100	mg P/L	U	1	0.100	0.500	03/12/12	13:14	365.4
12- 34862	A	P3-2-29-12-N2	2/29/2012	3/5/2012	9:00	Surface Water	RS/JM	Ammonia-N (FIA)	25.000	ug N/L	UY	1	25.000	50.000	03/06/12	14:07	350.1
12- 34862	B	P3-2-29-12-N2	2/29/2012	3/5/2012	9:00	Surface Water	RS/JM	Total Kjeldahl Nitrogen (FIA)	0.428	mg N/L	I	1	0.100	0.500	03/12/12	13:14	351.2
12- 34862	A	P3-2-29-12-N2	2/29/2012	3/5/2012	9:00	Surface Water	RS/JM	Nitrate/Nitrite, Total	4.051	ug N/L	IY	1	4.000	12.000	03/08/12	17:46	353.2
12- 34862	A	P3-2-29-12-N2	2/29/2012	3/5/2012	9:00	Surface Water	RS/JM	Phosphorus (FIA)	16.960	ug P/L	Y	1	5.000	10.000	03/06/12	14:07	365.1
12- 34862	B	P3-2-29-12-N2	2/29/2012	3/5/2012	9:00	Surface Water	RS/JM	Total Phosphorus (FIA)	0.100	mg P/L	U	1	0.100	0.500	03/12/12	13:14	365.4
12- 34863	A	P5-2-29-12-N1	2/29/2012	3/5/2012	9:00	Surface Water	RS/JM	Ammonia-N (FIA)	25.000	ug N/L	UY	1	25.000	50.000	03/06/12	14:07	350.1
12- 34863	B	P5-2-29-12-N1	2/29/2012	3/5/2012	9:00	Surface Water	RS/JM	Total Kjeldahl Nitrogen (FIA)	0.377	mg N/L	I	1	0.100	0.500	03/12/12	13:14	351.2
12- 34863	A	P5-2-29-12-N1	2/29/2012	3/5/2012	9:00	Surface Water	RS/JM	Nitrate/Nitrite, Total	4.000	ug N/L	UY	1	4.000	12.000	03/08/12	17:46	353.2
12- 34863	A	P5-2-29-12-N1	2/29/2012	3/5/2012	9:00	Surface Water	RS/JM	Phosphorus (FIA)	16.160	ug P/L	Y	1	5.000	10.000	03/06/12	14:07	365.1
12- 34863	B	P5-2-29-12-N1	2/29/2012	3/5/2012	9:00	Surface Water	RS/JM	Total Phosphorus (FIA)	0.100	mg P/L	U	1	0.100	0.500	03/12/12	13:14	365.4
12- 34864	A	P5-2-29-12-N2	2/29/2012	3/5/2012	9:00	Surface Water	RS/JM	Ammonia-N (FIA)	25.000	ug N/L	UY	1	25.000	50.000	03/06/12	14:07	350.1
12- 34864	B	P5-2-29-12-N2	2/29/2012	3/5/2012	9:00	Surface Water	RS/JM	Total Kjeldahl Nitrogen (FIA)	0.192	mg N/L	I	1	0.100	0.500	03/12/12	13:14	351.2
12- 34864	A	P5-2-29-12-N2	2/29/2012	3/5/2012	9:00	Surface Water	RS/JM	Nitrate/Nitrite, Total	5.617	ug N/L	IY	1	4.000	12.000	03/08/12	17:46	353.2
12- 34864	A	P5-2-29-12-N2	2/29/2012	3/5/2012	9:00	Surface Water	RS/JM	Phosphorus (FIA)	17.080	ug P/L	Y	1	5.000	10.000	03/06/12	14:07	365.1
12- 34864	B	P5-2-29-12-N2	2/29/2012	3/5/2012	9:00	Surface Water	RS/JM	Total Phosphorus (FIA)	0.100	mg P/L	U	1	0.100	0.500	03/12/12	13:14	365.4
12- 34865	A	P7-2-29-12-N1	2/29/2012	3/5/2012	9:00	Surface Water	RS/JM	Ammonia-N (FIA)	25.000	ug N/L	UY	1	25.000	50.000	03/06/12	14:07	350.1
12- 34865	B	P7-2-29-12-N1	2/29/2012	3/5/2012	9:00	Surface Water	RS/JM	Total Kjeldahl Nitrogen (FIA)	0.286	mg N/L	I	1	0.100	0.500	03/12/12	13:14	351.2
12- 34865	A	P7-2-29-12-N1	2/29/2012	3/5/2012	9:00	Surface Water	RS/JM	Nitrate/Nitrite, Total	4.000	ug N/L	UY	1	4.000	12.000	03/08/12	17:46	353.2
12- 34865	A	P7-2-29-12-N1	2/29/2012	3/5/2012	9:00	Surface Water	RS/JM	Phosphorus (FIA)	16.720	ug P/L	Y	1	5.000	10.000	03/06/12	14:07	365.1
12- 34865	B	P7-2-29-12-N1	2/29/2012	3/5/2012	9:00	Surface Water	RS/JM	Total Phosphorus (FIA)	0.100	mg P/L	U	1	0.100	0.500	03/12/12	13:14	365.4
12- 34866	A	P7-2-29-12-N2	2/29/2012	3/5/2012	9:00	Surface Water	RS/JM	Ammonia-N (FIA)	25.000	ug N/L	UY	1	25.000	50.000	03/06/12	14:07	350.1
12- 34866	B	P7-2-29-12-N2	2/29/2012	3/5/2012	9:00	Surface Water	RS/JM	Total Kjeldahl Nitrogen (FIA)	0.269	mg N/L	I	1	0.100	0.500	03/12/12	13:14	351.2
12- 34866	A	P7-2-29-12-N2	2/29/2012	3/5/2012	9:00	Surface Water	RS/JM	Nitrate/Nitrite, Total	176.800	ug N/L	Y	1	4.000	12.000	03/08/12	17:46	353.2
12- 34866	A	P7-2-29-12-N2	2/29/2012	3/5/2012	9:00	Surface Water	RS/JM	Phosphorus (FIA)	30.130	ug P/L	Y	1	5.000	10.000	03/06/12	14:07	365.1
12- 34866	B	P7-2-29-12-N2	2/29/2012	3/5/2012	9:00	Surface Water	RS/JM	Total Phosphorus (FIA)	0.100	mg P/L	U	1	0.100	0.500	03/12/12	13:14	365.4
12- 34867	A	P9-2-29-12-N1	2/29/2012	3/5/2012	9:00	Surface Water	RS/JM	Ammonia-N (FIA)	25.000	ug N/L	UY	1	25.000	50.000	03/06/12	14:07	350.1
12- 34867	B	P9-2-29-12-N1	2/29/2012	3/5/2012	9:00	Surface Water	RS/JM	Total Kjeldahl Nitrogen (FIA)	0.238	mg N/L	I	1	0.100	0.500	03/12/12	13:14	351.2
12- 34867	A	P9-2-29-12-N1	2/29/2012	3/5/2012	9:00	Surface Water	RS/JM	Nitrate/Nitrite, Total	4.139	ug N/L	IY	1	4.000	12.000	03/08/12	17:46	353.2
12- 34867	A	P9-2-29-12-N1	2/29/2012	3/5/2012	9:00	Surface Water	RS/JM	Phosphorus (FIA)	16.860	ug P/L	Y	1	5.000	10.000	03/06/12	14:07	365.1
12- 34867	B	P9-2-29-12-N1	2/29/2012	3/5/2012	9:00	Surface Water	RS/JM	Total Phosphorus (FIA)	0.100	mg P/L	U	1	0.100	0.500	03/12/12	13:14	365.4
12- 34868	A	P9-2-29-12-N2	2/29/2012	3/5/2012	9:00	Surface Water	RS/JM	Ammonia-N (FIA)	25.000	ug N/L	UY	1	25.000	50.000	03/06/12	14:07	350.1
12- 34868	B	P9-2-29-12-N2	2/29/2012	3/5/2012	9:00	Surface Water	RS/JM	Total Kjeldahl Nitrogen (FIA)	0.230	mg N/L	IJ2	1	0.100	0.500	03/12/12	13:14	351.2
12- 34868	A	P9-2-29-12-N2	2/29/2012	3/5/2012	9:00	Surface Water	RS/JM	Nitrate/Nitrite, Total	486.600	ug N/L	Y	2	8.000	24.000	03/08/12	17:46	353.2
12- 34868	A	P9-2-29-12-N2	2/29/2012	3/5/2012	9:00	Surface Water	RS/JM	Phosphorus (FIA)	79.790	ug P/L	Y	1	5.000	10.000	03/06/12	14:07	365.1
12- 34868	B	P9-2-29-12-N2	2/29/2012	3/5/2012	9:00	Surface Water	RS/JM	Total Phosphorus (FIA)	0.100	mg P/L	U	1	0.100	0.500	03/12/12	13:14	365.4
12- 34869	A	A1-2-28-12-N1	2/28/2012	3/5/2012	9:00	Surface Water	RS/JM	Ammonia-N (FIA)	32.720	ug N/L	IY	1	25.000	50.000	03/06/12	14:07	350.1
12- 34869	B	A1-2-28-12-N1	2/28/2012	3/5/2012	9:00	Surface Water	RS/JM	Total Kjeldahl Nitrogen (FIA)	0.242	mg N/L	I	1	0.100	0.500	03/12/12	13:14	351.2
12- 34869	A	A1-2-28-12-N1	2/28/2012	3/5/2012	9:00	Surface Water	RS/JM	Nitrate/Nitrite, Total	4.000	ug N/L	UY	1	4.000	12.000	03/08/12	17:46	353.2

Lab ID #	Bottle	Field ID	Sampling Date	Receipt Date	Receipt Time	Sample Matrix	Sampler	Analyte	Result	Unit	Data Qualifier(s)	Dilution Factor	CALC MDL	LOQ	Analysis Date	Analysis Time	Method
12- 34869	A	A1-2-28-12-N1	2/28/2012	3/5/2012	9:00	Surface Water	RS/JM	Phosphorus (FIA)	16.910	ug P/L	Y	1	5.000	10.000	03/06/12	14:07	365.1
12- 34869	B	A1-2-28-12-N1	2/28/2012	3/5/2012	9:00	Surface Water	RS/JM	Total Phosphorus (FIA)	0.100	mg P/L	U	1	0.100	0.500	03/12/12	13:14	365.4
12- 34870	A	A1-2-28-12-N2	2/28/2012	3/5/2012	9:00	Surface Water	RS/JM	Ammonia-N (FIA)	25.000	ug N/L	UY	1	25.000	50.000	03/06/12	14:07	350.1
12- 34870	B	A1-2-28-12-N2	2/28/2012	3/5/2012	9:00	Surface Water	RS/JM	Total Kjeldahl Nitrogen (FIA)	0.249	mg N/L	I	1	0.100	0.500	03/12/12	13:14	351.2
12- 34870	A	A1-2-28-12-N2	2/28/2012	3/5/2012	9:00	Surface Water	RS/JM	Nitrate/Nitrite, Total	4.000	ug N/L	UY	1	4.000	12.000	03/08/12	17:46	353.2
12- 34870	A	A1-2-28-12-N2	2/28/2012	3/5/2012	9:00	Surface Water	RS/JM	Phosphorus (FIA)	16.350	ug P/L	Y	1	5.000	10.000	03/06/12	14:07	365.1
12- 34870	B	A1-2-28-12-N2	2/28/2012	3/5/2012	9:00	Surface Water	RS/JM	Total Phosphorus (FIA)	0.100	mg P/L	U	1	0.100	0.500	03/12/12	13:14	365.4
12- 34871	A	A3-2-28-12-N1	2/28/2012	3/5/2012	9:00	Surface Water	RS/JM	Ammonia-N (FIA)	30.290	ug N/L	IY	1	25.000	50.000	03/06/12	14:07	350.1
12- 34871	B	A3-2-28-12-N1	2/28/2012	3/5/2012	9:00	Surface Water	RS/JM	Total Kjeldahl Nitrogen (FIA)	0.194	mg N/L	I	1	0.100	0.500	03/12/12	13:14	351.2
12- 34871	A	A3-2-28-12-N1	2/28/2012	3/5/2012	9:00	Surface Water	RS/JM	Nitrate/Nitrite, Total	4.000	ug N/L	UY	1	4.000	12.000	03/08/12	17:46	353.2
12- 34871	A	A3-2-28-12-N1	2/28/2012	3/5/2012	9:00	Surface Water	RS/JM	Phosphorus (FIA)	17.120	ug P/L	Y	1	5.000	10.000	03/06/12	14:07	365.1
12- 34871	B	A3-2-28-12-N1	2/28/2012	3/5/2012	9:00	Surface Water	RS/JM	Total Phosphorus (FIA)	0.100	mg P/L	U	1	0.100	0.500	03/12/12	13:14	365.4
12- 34872	A	A3-2-28-12-N2	2/28/2012	3/5/2012	9:00	Surface Water	RS/JM	Ammonia-N (FIA)	25.000	ug N/L	UY	1	25.000	50.000	03/06/12	14:07	350.1
12- 34872	B	A3-2-28-12-N2	2/28/2012	3/5/2012	9:00	Surface Water	RS/JM	Total Kjeldahl Nitrogen (FIA)	0.264	mg N/L	I	1	0.100	0.500	03/12/12	13:14	351.2
12- 34872	A	A3-2-28-12-N2	2/28/2012	3/5/2012	9:00	Surface Water	RS/JM	Nitrate/Nitrite, Total	4.286	ug N/L	IY	1	4.000	12.000	03/08/12	17:46	353.2
12- 34872	A	A3-2-28-12-N2	2/28/2012	3/5/2012	9:00	Surface Water	RS/JM	Phosphorus (FIA)	16.300	ug P/L	Y	1	5.000	10.000	03/06/12	14:07	365.1
12- 34872	B	A3-2-28-12-N2	2/28/2012	3/5/2012	9:00	Surface Water	RS/JM	Total Phosphorus (FIA)	0.100	mg P/L	U	1	0.100	0.500	03/12/12	13:14	365.4
12- 34873	A	A5-2-28-12-N1	2/28/2012	3/5/2012	9:00	Surface Water	RS/JM	Ammonia-N (FIA)	27.270	ug N/L	IY	1	25.000	50.000	03/06/12	14:07	350.1
12- 34873	B	A5-2-28-12-N1	2/28/2012	3/5/2012	9:00	Surface Water	RS/JM	Total Kjeldahl Nitrogen (FIA)	0.266	mg N/L	I	1	0.100	0.500	03/12/12	13:14	351.2
12- 34873	A	A5-2-28-12-N1	2/28/2012	3/5/2012	9:00	Surface Water	RS/JM	Nitrate/Nitrite, Total	4.138	ug N/L	IY	1	4.000	12.000	03/08/12	17:46	353.2
12- 34873	A	A5-2-28-12-N1	2/28/2012	3/5/2012	9:00	Surface Water	RS/JM	Phosphorus (FIA)	16.310	ug P/L	Y	1	5.000	10.000	03/06/12	14:07	365.1
12- 34873	B	A5-2-28-12-N1	2/28/2012	3/5/2012	9:00	Surface Water	RS/JM	Total Phosphorus (FIA)	0.100	mg P/L	U	1	0.100	0.500	03/12/12	13:14	365.4
12- 34874	A	A5-2-28-12-N2	2/28/2012	3/5/2012	9:00	Surface Water	RS/JM	Ammonia-N (FIA)	38.990	ug N/L	IY	1	25.000	50.000	03/06/12	14:07	350.1
12- 34874	B	A5-2-28-12-N2	2/28/2012	3/5/2012	9:00	Surface Water	RS/JM	Total Kjeldahl Nitrogen (FIA)	0.229	mg N/L	I	1	0.100	0.500	03/12/12	13:14	351.2
12- 34874	A	A5-2-28-12-N2	2/28/2012	3/5/2012	9:00	Surface Water	RS/JM	Nitrate/Nitrite, Total	4.537	ug N/L	IY	1	4.000	12.000	03/08/12	17:46	353.2
12- 34874	A	A5-2-28-12-N2	2/28/2012	3/5/2012	9:00	Surface Water	RS/JM	Phosphorus (FIA)	17.270	ug P/L	Y	1	5.000	10.000	03/06/12	14:07	365.1
12- 34874	B	A5-2-28-12-N2	2/28/2012	3/5/2012	9:00	Surface Water	RS/JM	Total Phosphorus (FIA)	0.100	mg P/L	U	1	0.100	0.500	03/12/12	13:14	365.4
12- 34875	A	A7-2-28-12-N1	2/28/2012	3/5/2012	9:00	Surface Water	RS/JM	Ammonia-N (FIA)	25.000	ug N/L	UY	1	25.000	50.000	03/06/12	14:07	350.1
12- 34875	B	A7-2-28-12-N1	2/28/2012	3/5/2012	9:00	Surface Water	RS/JM	Total Kjeldahl Nitrogen (FIA)	0.266	mg N/L	I	1	0.100	0.500	03/12/12	13:14	351.2
12- 34875	A	A7-2-28-12-N1	2/28/2012	3/5/2012	9:00	Surface Water	RS/JM	Nitrate/Nitrite, Total	4.000	ug N/L	UY	1	4.000	12.000	03/08/12	17:46	353.2
12- 34875	A	A7-2-28-12-N1	2/28/2012	3/5/2012	9:00	Surface Water	RS/JM	Phosphorus (FIA)	19.290	ug P/L	Y	1	5.000	10.000	03/06/12	14:07	365.1
12- 34875	B	A7-2-28-12-N1	2/28/2012	3/5/2012	9:00	Surface Water	RS/JM	Total Phosphorus (FIA)	0.100	mg P/L	U	1	0.100	0.500	03/12/12	13:14	365.4
12- 34876	A	A7-2-28-12-N2	2/28/2012	3/5/2012	9:00	Surface Water	RS/JM	Ammonia-N (FIA)	27.910	ug N/L	IY	1	25.000	50.000	03/06/12	14:07	350.1
12- 34876	B	A7-2-28-12-N2	2/28/2012	3/5/2012	9:00	Surface Water	RS/JM	Total Kjeldahl Nitrogen (FIA)	0.261	mg N/L	I	1	0.100	0.500	03/12/12	13:14	351.2
12- 34876	A	A7-2-28-12-N2	2/28/2012	3/5/2012	9:00	Surface Water	RS/JM	Nitrate/Nitrite, Total	6.762	ug N/L	IY	1	4.000	12.000	03/08/12	17:46	353.2
12- 34876	A	A7-2-28-12-N2	2/28/2012	3/5/2012	9:00	Surface Water	RS/JM	Phosphorus (FIA)	13.000	ug P/L	Y	1	5.000	10.000	03/06/12	14:07	365.1
12- 34876	B	A7-2-28-12-N2	2/28/2012	3/5/2012	9:00	Surface Water	RS/JM	Total Phosphorus (FIA)	0.100	mg P/L	U	1	0.100	0.500	03/12/12	13:14	365.4
12- 34877	A	A9-2-28-12-N1	2/28/2012	3/5/2012	9:00	Surface Water	RS/JM	Ammonia-N (FIA)	25.580	ug N/L	IY	1	25.000	50.000	03/06/12	14:07	350.1
12- 34877	B	A9-2-28-12-N1	2/28/2012	3/5/2012	9:00	Surface Water	RS/JM	Total Kjeldahl Nitrogen (FIA)	0.236	mg N/L	I	1	0.100	0.500	03/12/12	13:14	351.2
12- 34877	A	A9-2-28-12-N1	2/28/2012	3/5/2012	9:00	Surface Water	RS/JM	Nitrate/Nitrite, Total	10.270	ug N/L	IY	1	4.000	12.000	03/08/12	17:46	353.2
12- 34877	A	A9-2-28-12-N1	2/28/2012	3/5/2012	9:00	Surface Water	RS/JM	Phosphorus (FIA)	18.710	ug P/L	Y	1	5.000	10.000	03/06/12	14:07	365.1
12- 34877	B	A9-2-28-12-N1	2/28/2012	3/5/2012	9:00	Surface Water	RS/JM	Total Phosphorus (FIA)	0.100	mg P/L	U	1	0.100	0.500	03/12/12	13:14	365.4
12- 34878	A	A9-2-28-12-N2	2/28/2012	3/5/2012	9:00	Surface Water	RS/JM	Ammonia-N (FIA)	25.000	ug N/L	UY	1	25.000	50.000	03/06/12	14:07	350.1
12- 34878	B	A9-2-28-12-N2	2/28/2012	3/5/2012	9:00	Surface Water	RS/JM	Total Kjeldahl Nitrogen (FIA)	0.240	mg N/L	I	1	0.100	0.500	03/12/12	13:14	351.2
12- 34878	A	A9-2-28-12-N2	2/28/2012	3/5/2012	9:00	Surface Water	RS/JM	Nitrate/Nitrite, Total	15.110	ug N/L	YJ2	1	4.000	12.000	03/08/12	17:46	353.2
12- 34878	A	A9-2-28-12-N2	2/28/2012	3/5/2012	9:00	Surface Water	RS/JM	Phosphorus (FIA)	18.340	ug P/L	Y	1	5.000	10.000	03/06/12	14:07	365.1
12- 34878	B	A9-2-28-12-N2	2/28/2012	3/5/2012	9:00	Surface Water	RS/JM	Total Phosphorus (FIA)	0.100	mg P/L	UJ2	1	0.100	0.500	03/12/12	13:14	365.4
12- 34879	A	C1-2-27-12-N1	2/27/2012	3/5/2012	9:00	Surface Water	RS/JM	Ammonia-N (FIA)	25.000	ug N/L	UY	1	25.000	50.000	03/06/12	14:07	350.1
12- 34879	B	C1-2-27-12-N1	2/27/2012	3/5/2012	9:00	Surface Water	RS/JM	Total Kjeldahl Nitrogen (FIA)	0.255	mg N/L	I	1	0.100	0.500	03/12/12	13:14	351.2
12- 34879	A	C1-2-27-12-N1	2/27/2012	3/5/2012	9:00	Surface Water	RS/JM	Nitrate/Nitrite, Total	4.000	ug N/L	UY	1	4.000	12.000	03/08/12	17:46	353.2
12- 34879	A	C1-2-27-12-N1	2/27/2012	3/5/2012	9:00	Surface Water	RS/JM	Phosphorus (FIA)	17.320	ug P/L	Y	1	5.000	10.000	03/06/12	14:07	365.1
12- 34879	B	C1-2-27-12-N1	2/27/2012	3/5/2012	9:00	Surface Water	RS/JM	Total Phosphorus (FIA)	0.100	mg P/L	U	1	0.100	0.500	03/12/12	13:14	365.4
12- 34880	A	C1-2-27-12-N2	2/27/2012	3/5/2012	9:00	Surface Water	RS/JM	Ammonia-N (FIA)	25.000	ug N/L	UY	1	25.000	50.000	03/06/12	14:07	350.1
12- 34880	B	C1-2-27-12-N2	2/27/2012	3/5/2012	9:00	Surface Water	RS/JM	Total Kjeldahl Nitrogen (FIA)	0.249	mg N/L	I	1	0.100	0.500	03/12/12	13:14	351.2
12- 34880	A	C1-2-27-12-N2	2/27/2012	3/5/2012	9:00	Surface Water	RS/JM	Nitrate/Nitrite, Total	10.800	ug N/L	IY	1	4.000	12.000	03/08/12	17:46	353.2
12- 34880	A	C1-2-27-12-N2	2/27/2012	3/5/2012	9:00	Surface Water	RS/JM	Phosphorus (FIA)	17.650	ug P/L	Y	1	5.000	10.000	03/06/12	14:07	365.1
12- 34880	B	C1-2-27-12-N2	2/27/2012	3/5/2012	9:00	Surface Water	RS/JM	Total Phosphorus (FIA)	0.100	mg P/L	U	1	0.100	0.500	03/12/12	13:14	365.4
12- 34881	A	C3-2-27-12-N1	2/27/2012	3/5/2012	9:00	Surface Water	RS/JM	Ammonia-N (FIA)	25.000	ug N/L	UY	1	25.000	50.000	03/06/12	14:07	350.1
12- 34881	B	C3-2-27-12-N1	2/27/2012	3/5/2012	9:00	Surface Water	RS/JM	Total Kjeldahl Nitrogen (FIA)	0.226	mg N/L	I	1	0.100	0.500	03/12/12	13:14	351.2



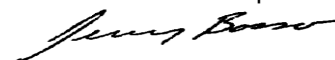
Lab ID #	Bottle	Field ID	Sampling Date	Receipt Date	Receipt Time	Sample Matrix	Sampler	Analyte	Result	Unit	Data Qualifier(s)	Dilution Factor	CALC MDL	LOQ	Analysis Date	Analysis Time	Method
12- 34881	A	C3-2-27-12-N1	2/27/2012	3/5/2012	9:00	Surface Water	RS/JM	Nitrate/Nitrite, Total	4.000	ug N/L	UY	1	4.000	12.000	03/08/12	17:46	353.2
12- 34881	A	C3-2-27-12-N1	2/27/2012	3/5/2012	9:00	Surface Water	RS/JM	Phosphorus (FIA)	17.300	ug P/L	Y	1	5.000	10.000	03/06/12	14:07	365.1
12- 34881	B	C3-2-27-12-N1	2/27/2012	3/5/2012	9:00	Surface Water	RS/JM	Total Phosphorus (FIA)	0.100	mg P/L	U	1	0.100	0.500	03/12/12	13:14	365.4
12- 34882	A	C3-2-27-12-N2	2/27/2012	3/5/2012	9:00	Surface Water	RS/JM	Ammonia-N (FIA)	25.680	ug N/L	IY	1	25.000	50.000	03/06/12	14:07	350.1
12- 34882	B	C3-2-27-12-N2	2/27/2012	3/5/2012	9:00	Surface Water	RS/JM	Total Kjeldahl Nitrogen (FIA)	0.201	mg N/L	I	1	0.100	0.500	03/12/12	13:14	351.2
12- 34882	A	C3-2-27-12-N2	2/27/2012	3/5/2012	9:00	Surface Water	RS/JM	Nitrate/Nitrite, Total	10.470	ug N/L	IY	1	4.000	12.000	03/08/12	17:46	353.2
12- 34882	A	C3-2-27-12-N2	2/27/2012	3/5/2012	9:00	Surface Water	RS/JM	Phosphorus (FIA)	17.410	ug P/L	Y	1	5.000	10.000	03/06/12	14:07	365.1
12- 34882	B	C3-2-27-12-N2	2/27/2012	3/5/2012	9:00	Surface Water	RS/JM	Total Phosphorus (FIA)	0.100	mg P/L	U	1	0.100	0.500	03/12/12	13:14	365.4
12- 34883	A	C5-2-27-12-N1	2/27/2012	3/5/2012	9:00	Surface Water	RS/JM	Ammonia-N (FIA)	26.050	ug N/L	IY	1	25.000	50.000	03/06/12	14:07	350.1
12- 34883	B	C5-2-27-12-N1	2/27/2012	3/5/2012	9:00	Surface Water	RS/JM	Total Kjeldahl Nitrogen (FIA)	0.253	mg N/L	I	1	0.100	0.500	03/12/12	13:14	351.2
12- 34883	A	C5-2-27-12-N1	2/27/2012	3/5/2012	9:00	Surface Water	RS/JM	Nitrate/Nitrite, Total	9.144	ug N/L	IY	1	4.000	12.000	03/08/12	17:46	353.2
12- 34883	A	C5-2-27-12-N1	2/27/2012	3/5/2012	9:00	Surface Water	RS/JM	Phosphorus (FIA)	16.800	ug P/L	Y	1	5.000	10.000	03/06/12	14:07	365.1
12- 34883	B	C5-2-27-12-N1	2/27/2012	3/5/2012	9:00	Surface Water	RS/JM	Total Phosphorus (FIA)	0.100	mg P/L	U	1	0.100	0.500	03/12/12	13:14	365.4
12- 34884	A	C5-2-27-12-N2	2/27/2012	3/5/2012	9:00	Surface Water	RS/JM	Ammonia-N (FIA)	26.140	ug N/L	IY	1	25.000	50.000	03/06/12	14:07	350.1
12- 34884	B	C5-2-27-12-N2	2/27/2012	3/5/2012	9:00	Surface Water	RS/JM	Total Kjeldahl Nitrogen (FIA)	0.292	mg N/L	I	1	0.100	0.500	03/12/12	13:14	351.2
12- 34884	A	C5-2-27-12-N2	2/27/2012	3/5/2012	9:00	Surface Water	RS/JM	Nitrate/Nitrite, Total	10.140	ug N/L	IY	1	4.000	12.000	03/08/12	17:46	353.2
12- 34884	A	C5-2-27-12-N2	2/27/2012	3/5/2012	9:00	Surface Water	RS/JM	Phosphorus (FIA)	17.560	ug P/L	Y	1	5.000	10.000	03/06/12	14:07	365.1
12- 34884	B	C5-2-27-12-N2	2/27/2012	3/5/2012	9:00	Surface Water	RS/JM	Total Phosphorus (FIA)	0.100	mg P/L	U	1	0.100	0.500	03/12/12	13:14	365.4
12- 34885	A	C7-2-27-12-N1	2/27/2012	3/5/2012	9:00	Surface Water	RS/JM	Ammonia-N (FIA)	32.670	ug N/L	IY	1	25.000	50.000	03/06/12	14:07	350.1
12- 34885	B	C7-2-27-12-N1	2/27/2012	3/5/2012	9:00	Surface Water	RS/JM	Total Kjeldahl Nitrogen (FIA)	0.220	mg N/L	I	1	0.100	0.500	03/12/12	13:14	351.2
12- 34885	A	C7-2-27-12-N1	2/27/2012	3/5/2012	9:00	Surface Water	RS/JM	Nitrate/Nitrite, Total	16.590	ug N/L	Y	1	4.000	12.000	03/08/12	17:46	353.2
12- 34885	A	C7-2-27-12-N1	2/27/2012	3/5/2012	9:00	Surface Water	RS/JM	Phosphorus (FIA)	34.630	ug P/L	Y	1	5.000	10.000	03/06/12	14:07	365.1
12- 34885	B	C7-2-27-12-N1	2/27/2012	3/5/2012	9:00	Surface Water	RS/JM	Total Phosphorus (FIA)	0.100	mg P/L	U	1	0.100	0.500	03/12/12	13:14	365.4
12- 34886	A	C7-2-27-12-N2	2/27/2012	3/5/2012	9:00	Surface Water	RS/JM	Ammonia-N (FIA)	25.000	ug N/L	UY	1	25.000	50.000	03/06/12	14:07	350.1
12- 34886	B	C7-2-27-12-N2	2/27/2012	3/5/2012	9:00	Surface Water	RS/JM	Total Kjeldahl Nitrogen (FIA)	0.180	mg N/L	I	1	0.100	0.500	03/12/12	13:14	351.2
12- 34886	A	C7-2-27-12-N2	2/27/2012	3/5/2012	9:00	Surface Water	RS/JM	Nitrate/Nitrite, Total	168.200	ug N/L	Y	1	4.000	12.000	03/08/12	17:46	353.2
12- 34886	A	C7-2-27-12-N2	2/27/2012	3/5/2012	9:00	Surface Water	RS/JM	Phosphorus (FIA)	29.930	ug P/L	Y	1	5.000	10.000	03/06/12	14:07	365.1
12- 34886	B	C7-2-27-12-N2	2/27/2012	3/5/2012	9:00	Surface Water	RS/JM	Total Phosphorus (FIA)	0.100	mg P/L	U	1	0.100	0.500	03/12/12	13:14	365.4
12- 34887	A	C9-2-27-12-N1	2/27/2012	3/5/2012	9:00	Surface Water	RS/JM	Ammonia-N (FIA)	33.390	ug N/L	IY	1	25.000	50.000	03/06/12	14:07	350.1
12- 34887	B	C9-2-27-12-N1	2/27/2012	3/5/2012	9:00	Surface Water	RS/JM	Total Kjeldahl Nitrogen (FIA)	0.197	mg N/L	I	1	0.100	0.500	03/12/12	13:14	351.2
12- 34887	A	C9-2-27-12-N1	2/27/2012	3/5/2012	9:00	Surface Water	RS/JM	Nitrate/Nitrite, Total	14.850	ug N/L	Y	1	4.000	12.000	03/08/12	17:46	353.2
12- 34887	A	C9-2-27-12-N1	2/27/2012	3/5/2012	9:00	Surface Water	RS/JM	Phosphorus (FIA)	18.340	ug P/L	Y	1	5.000	10.000	03/06/12	14:07	365.1
12- 34887	B	C9-2-27-12-N1	2/27/2012	3/5/2012	9:00	Surface Water	RS/JM	Total Phosphorus (FIA)	0.100	mg P/L	U	1	0.100	0.500	03/12/12	13:14	365.4
12- 34888	A	C9-2-27-12-N2	2/27/2012	3/5/2012	9:00	Surface Water	RS/JM	Ammonia-N (FIA)	25.000	ug N/L	UY	1	25.000	50.000	03/06/12	14:07	350.1
12- 34888	B	C9-2-27-12-N2	2/27/2012	3/5/2012	9:00	Surface Water	RS/JM	Total Kjeldahl Nitrogen (FIA)	0.152	mg N/L	I	1	0.100	0.500	03/12/12	13:14	351.2
12- 34888	A	C9-2-27-12-N2	2/27/2012	3/5/2012	9:00	Surface Water	RS/JM	Nitrate/Nitrite, Total	387.900	ug N/L	Y	2	8.000	24.000	03/08/12	17:46	353.2
12- 34888	A	C9-2-27-12-N2	2/27/2012	3/5/2012	9:00	Surface Water	RS/JM	Phosphorus (FIA)	73.460	ug P/L	Y	1	5.000	10.000	03/06/12	14:07	365.1
12- 34888	B	C9-2-27-12-N2	2/27/2012	3/5/2012	9:00	Surface Water	RS/JM	Total Phosphorus (FIA)	0.100	mg P/L	U	1	0.100	0.500	03/12/12	13:14	365.4

See attachment A for Data Qualifier Codes: Symbols and Meaning

Report # : C276-02272012-02292012 A

Report Date: 4/27/2012

Report Approved by Jeremy Bosso, Lab Manager:

 4/27/2012

Comments: The sampling plan is the responsibility of the client and not of the laboratory.

These results relate only to these samples as submitted to the laboratory.

The results reported herein meet the requirements of the NELAC standards as adopted by the reference into chapter 64E-1, Florida Administrative Code.

Analyses performed without NELAP accreditation would be flagged with a "J6" data qualifier.

Times are reported in Central Time

Data Reported on a wet-weight basis

Subcontract information: not applicable

For questions or concerns regarding this report, please contact the Laboratory Manager, Jeremy Bosso at (850) 857-6096

**Bottle "A"** was preserved per client's instructions (filtered within 15 minutes and *frozen, and no H<sub>2</sub>SO<sub>4</sub> was added*).

This bottle was also used to analyze for Ammonia (EPA 350.1), Total Nitrate-Nitrite (EPA 353.2) and Orthohosphorus, listed above as "Phosphorus" (EPA 365.1), for **samples 12- 34859 to 12- 34888**.

According to FS 1000 (Table FS1000-4), the preservation protocol for Ammonia and Total Nitrate-Nitrite is to "Cool to ≤6°C<sup>9</sup>, H<sub>2</sub>SO<sub>4</sub> to pH<2." The samples were not preserved with H<sub>2</sub>SO<sub>4</sub> and were frozen.

Table FS1000-4, footnote 9 states: "Aqueous samples must be preserved at ≤6 °C, *and should not be frozen...*"

Therefore the data associated with bottle "A" for Ammonia and Total Nitrate-Nitrite was qualified with a "Y" qualifier.

Lab ID #	Bottle	Field ID	Sampling Date	Receipt Date	Receipt Time	Sample Matrix	Sampler	Analyte	Result	Unit	Data Qualifier(s)	Dilution Factor	CALC MDL	LOQ	Analysis Date	Analysis Time	Method
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Hold-times listed in FDEP's FS 1000 for Ammonia and Total Nitrate-Nitrite (28 days) only apply to samples preserved according to the protocols listed in FS 1000.  
Hold-times have not been assessed for Ammonia and Total Nitrate-Nitrite for the preservation method used in **samples 12- 34859 to 12- 34888**, Bottle A (filtered within 15 minutes and frozen).

According to FS 1000 (Table FS1000-4), the preservation protocol for Orthophosphorus (listed above as Phosphorus) is to filter within 15 minutes of collection and cool to ≤6°C<sup>9</sup>,  
Table FS1000-4, footnote 9 states: "Aqueous samples must be preserved at ≤6 °C, *and should not be frozen...*"  
Therefore the data associated with bottle "A" for Orthophosphorus was qualified with a "Y" qualifer.  
Hold-time listed in FDEP's FS 1000 for Orthophosphorus (48 hours) only applies to samples preserved according to the protocols listed in FS 1000.  
Hold-time has not been assessed for Orthophosphorus for the preservation method used in samples **12- 34859 to 12- 34888** (filtered within 15 minutes and *frozen* ).

Lab ID #	Bottle	Field ID	Sampling Date	Receipt Date	Receipt Time	Sample Matrix	Sampler	Analyte	Result	Unit	Data Qualifier(s)	Dilution Factor	CALC MDL	LOQ	Analysis Date	Analysis Time	Method
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Attachment A: Data Qualifier Codes: Symbol and meaning

- A - Value reported is the arithmetic mean (average) of two or more determinations.
- B - Based on colony counts outside the method specified range.
- C - See case narrative (comments)
- D - Measurement was made in the field using approved analytical methods. Used except where code specifies a field measurement (e.g., "Field pH").
- H - Value based on field kit determination; results may not be accurate. Field screening test not recognized by FDEP as equivalent to laboratory methods.
- I - The reported value is  $\geq$  the Limit of Detection, but less than the Practical Quantitation Limit (Limit of Quantitation), and has less certainty
- J1 - Value is qualified by failed analytical quality control check standard (i.e. CCV, IPC, QCS, LCS)
- J2 - Value is qualified by failed sample matrix quality control sample (i.e. duplicate, matrix spike)
- J3 - Analyte detected in blank **other than the method blank** (i.e. Field Blank) at or above the Limit of Detection **and**  $> 1/10$ th the concentration in the sample.
- J4 - Value is qualified due to improper laboratory practice.
- J5 - Value is qualified due to improper field procedure.
- J6 - Analysis was performed without NELAC accreditation.
- K - Off-scale low. Actual value is less than the value given.
- L - Off-scale high. Actual value is known to be greater than the value given.
- M - Presence of material is verified but not quantified; the actual value is less than the value given. The reported value Limit of Quantitation.
- N - Presumptive evidence of presence of material (i.e. identified based on mass spectral library search; presence not confirmed by alternative procedures).
- O - Sample taken but analysis lost, invalidated, or not performed.
- Q - Sample held beyond method-specified holding time.
- U - Compound was analyzed for but not detected.
- V - Analyte detected in method blank  $\geq$  Limit of Detection **and**  $> 1/10$ th the concentration in the sample.
- Verified - This sample result was verified.
- Y - The laboratory analysis was from a sample preserved by an alternative, non-standard preservation procedure. Hold-time has not been assessed for this preservation procedure. The data may not be accurate.
- Z - Colonies on plate too numerous to count. Result = ( $>60$  CFU/lowest volume used x 100 mL).
- ? - Data are rejected and should not be used.