

**Appendices**  
**Tennessee-Tombigbee Waterway Water Quality Study Report**  
**Columbus, Mississippi**  
**Project Nos. 05-0521, 05-0522**



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**APPENDIX A**  
**METERORLOGICAL AND STAGE DATA**

## Meteorological Data



Table A-1  
 Meteorological Data  
 Tenn-Tom Waterway Water Quality Study  
 Columbus, Mississippi  
 August 2005

Date	Time	Air			Solar Rad (W/m <sup>2</sup> )	Solar Energy (Langleys)	Barometric Pressure (in Hg)	Wind Speed (mph)	Wind Hi (mph)	Wind Dir	Wind Chill (°F)	Rain (in)	Hum (%)	Dew Point (°F)
		Temp (°F)	Hi (°F)	Low (°F)										
8/12/2005	7:40 AM	76.1	76.2	75.7	191	0.8	29.962	0	0	---	76.1	0	88	72.3
8/12/2005	7:50 AM	76.6	77.0	76.2	215	3.0	29.989	0	2	S	76.6	0	85	71.8
8/12/2005	8:00 AM	77.2	77.4	77.0	261	4.0	29.995	1	2	S	77.2	0	83	71.6
8/12/2005	8:10 AM	77.3	77.4	77.3	254	3.5	29.996	2	3	S	77.3	0	82	71.4
8/12/2005	8:20 AM	77.7	77.9	77.4	300	4.1	29.997	1	2	SSW	77.7	0	82	71.8
8/12/2005	8:30 AM	78.4	78.9	77.9	447	6.9	29.993	1	2	WN W	78.4	0	81	72.1
8/12/2005	8:40 AM	79.2	79.6	78.9	475	6.6	29.989	1	2	W	79.2	0	81	72.9
8/12/2005	8:50 AM	79.9	80.0	79.6	301	4.2	29.990	0	2	WS W	79.9	0	79	72.8
8/12/2005	9:00 AM	79.8	79.9	79.8	259	4.0	29.989	0	1	W	79.8	0	80	73.1
8/12/2005	9:10 AM	80.0	80.1	79.9	274	3.8	29.988	1	3	SSW	80	0	79	72.9
8/12/2005	9:20 AM	80.0	80.0	79.9	320	4.9	29.988	1	2	SSW	80	0	79	72.9
8/12/2005	9:30 AM	80.0	80.1	79.9	332	4.6	29.987	1	3	SSW	80	0	79	72.9
8/12/2005	9:40 AM	80.2	80.4	80.0	324	4.5	29.987	1	3	SSW	80.2	0	79	73.1
8/12/2005	9:50 AM	80.6	80.8	80.4	338	5.2	29.987	1	3	SSW	80.6	0	78	73.1
8/12/2005	10:00 AM	81.1	81.4	80.8	351	4.9	29.993	0	3	WN W	81.1	0	75	72.4
8/12/2005	10:10 AM	81.4	81.4	81.3	394	5.4	29.995	2	4	SSE	81.4	0	76	73.1
8/12/2005	10:20 AM	81.4	81.5	81.3	445	6.9	29.997	2	4	SSE	81.4	0	76	73.1
8/12/2005	10:30 AM	81.7	82.0	81.5	484	6.7	29.998	1	4	S	81.7	0	77	73.8
8/12/2005	10:40 AM	82.3	82.6	82.0	530	7.3	30.000	2	4	S	82.3	0	74	73.2
8/12/2005	10:50 AM	83.0	83.4	82.6	700	10.7	30.000	1	6	S	83	0	72	73.0
8/12/2005	11:00 AM	83.5	83.6	83.4	613	8.5	30.002	2	5	S	83.5	0	73	73.9
8/12/2005	11:10 AM	83.8	84.1	83.6	637	8.4	30.000	3	7	S	83.8	0	73	74.2
8/12/2005	11:20 AM	84.3	84.4	84.1	665	10.5	29.996	3	6	SSE	84.3	0	71	73.9
8/12/2005	11:30 AM	84.6	84.8	84.4	703	9.8	29.993	3	6	SSW	84.6	0	68	72.9
8/12/2005	11:40 AM	84.9	85.0	84.8	909	14.2	29.988	3	7	SSE	84.9	0	70	74.0
8/12/2005	11:50 AM	85.4	85.6	85.1	918	12.3	29.989	3	9	SSE	85.4	0	69	74.1
8/12/2005	12:00 PM	85.3	85.6	85.2	862	11.6	29.986	6	9	SE	84.7	0	67	73.1
8/12/2005	12:10 PM	85.1	85.2	85.0	792	11.9	29.986	4	9	ESE	85.1	0	68	73.4
8/12/2005	12:20 PM	85.6	86.1	85.1	911	12.9	29.986	2	7	SE	85.6	0	67	73.4
8/12/2005	12:30 PM	85.9	86.0	85.8	666	9.5	29.981	2	6	SE	85.9	0	65	72.8
8/12/2005	12:40 PM	86.2	86.4	85.9	858	13.2	29.981	4	8	SSE	86.2	0	67	74.0
8/12/2005	12:50 PM	85.9	86.3	85.8	679	9.6	29.977	4	7	SE	85.9	0	67	73.7
8/12/2005	1:00 PM	86.0	86.2	85.9	894	13.5	29.970	4	7	SE	86	0	65	72.9
8/12/2005	1:10 PM	85.9	86.2	85.8	839	11.7	29.970	3	6	SE	85.9	0	66	73.2
8/12/2005	1:20 PM	86.0	86.4	85.8	914	12.7	29.966	3	6	SE	86	0	67	73.8
8/12/2005	1:30 PM	86.5	86.8	86.4	920	14.1	29.961	2	5	ESE	86.5	0	66	73.8
8/12/2005	1:40 PM	87.0	87.2	86.8	909	12.8	29.966	3	5	SE	87	0	66	74.3
8/12/2005	1:50 PM	87.2	87.4	87.1	840	13.0	29.963	3	7	E	87.2	0	63	73.1

Date	Time	Air Temp (°F)	Hi (°F)	Low (°F)	Solar Rad (W/m <sup>2</sup> )	Solar Energy (Langleys)	Barometric Pressure (in Hg)	Wind Speed (mph)	Wind Hi (mph)	Wind Dir	Wind Chill (°F)	Rain (in)	Hum (%)	Dew Point (°F)
8/12/2005	2:00 PM	87.3	87.6	87.1	893	12.0	29.963	2	7	ENE	87.3	0	63	73.2
8/12/2005	2:10 PM	87.8	87.8	87.6	658	9.6	29.961	3	7	NE	87.8	0	61	72.7
8/12/2005	2:20 PM	87.7	87.8	87.5	738	12.4	29.959	2	6	NE	87.7	0	63	73.6
8/12/2005	2:30 PM	88.0	88.1	87.8	844	11.7	29.962	2	7	NE	88	0	62	73.4
8/12/2005	2:40 PM	88.4	88.7	88.1	834	12.8	29.958	1	3	S	88.4	0	60	72.8
8/12/2005	2:50 PM	88.9	89.1	88.6	813	11.2	29.954	3	5	W	88.9	0	58	72.2
8/12/2005	3:00 PM	88.7	89.0	88.6	787	10.9	29.951	2	4	SSW	88.7	0	59	72.5
8/12/2005	3:10 PM	88.7	89.0	88.6	769	11.8	29.947	1	3	S	88.7	0	59	72.5
8/12/2005	3:20 PM	89.1	89.2	89.0	582	8.1	29.944	2	5	ENE	89.1	0	58	72.4
8/12/2005	3:30 PM	89.0	89.2	88.9	675	9.3	29.941	1	4	NNE	89	0	58	72.3
8/12/2005	3:40 PM	89.4	89.5	89.2	659	10.1	29.947	2	5	SSW	89.4	0	57	72.2
8/12/2005	3:50 PM	89.0	89.3	88.7	595	8.3	29.947	4	7	SE	89	0	60	73.3
8/12/2005	4:00 PM	88.5	88.8	88.2	111	1.5	29.940	3	6	ESE	88.5	0	60	72.9
8/12/2005	4:10 PM	87.0	88.2	84.9	37	0.5	29.930	11	25	NW	85.9	0	48	65.0
8/12/2005	4:20 PM	81.9	84.8	77.9	9	0.1	29.928	20	28	NW	77.8	0.17	66	69.4
8/12/2005	4:30 PM	75.4	77.8	73.4	14	0.2	29.901	13	28	WS W	70.6	0.07	74	66.5
8/12/2005	4:40 PM	72.9	73.4	72.8	42	0.6	29.892	8	15	WS W	69.8	0.01	83	67.4
8/12/2005	4:50 PM	73.3	73.8	72.8	48	0.7	29.891	5	9	N	72.3	0	84	68.2
8/12/2005	5:00 PM	73.4	74.2	73.0	55	0.8	29.874	7	14	NE	71.1	0	76	65.4
8/12/2005	5:10 PM	74.4	74.6	74.2	77	1.1	29.868	4	8	E	74.4	0	78	67.1
8/12/2005	5:20 PM	73.6	74.2	73.2	54	0.8	29.853	2	5	ESE	73.6	0	78	66.3
8/12/2005	5:30 PM	73.1	73.2	73.0	38	0.5	29.855	1	3	S	73.1	0	84	68.0
8/12/2005	5:40 PM	72.7	73.0	72.5	34	0.5	29.864	2	3	S	72.7	0	87	68.6
8/12/2005	5:50 PM	72.6	72.7	72.5	45	0.7	29.864	3	5	S	72.6	0	86	68.2
8/12/2005	6:00 PM	72.8	72.8	72.7	83	1.2	29.872	5	10	S	71.8	0	83	67.3
8/12/2005	6:10 PM	72.8	72.8	72.8	86	1.2	29.878	5	8	S	71.8	0	83	67.3
8/12/2005	6:20 PM	72.7	72.8	72.6	70	1.0	29.874	3	7	SSE	72.7	0	81	66.5
8/12/2005	6:30 PM	72.6	72.7	72.5	45	0.6	29.875	3	5	ESE	72.6	0	85	67.8
8/12/2005	6:40 PM	72.4	72.5	72.3	30	0.5	29.872	4	6	ESE	72.4	0	85	67.6
8/12/2005	6:50 PM	72.4	72.5	72.3	27	0.4	29.868	3	5	SE	72.4	0	85	67.6
8/12/2005	7:00 PM	72.5	72.6	72.5	21	0.2	29.865	3	5	S	72.5	0	85	67.7
8/12/2005	7:10 PM	72.6	72.6	72.5	0	0.0	29.860	3	6	S	72.6	0	83	67.1
8/12/2005	7:20 PM	72.5	72.6	72.5	0	0.0	29.851	2	4	SSE	72.5	0	83	67.0
8/12/2005	7:30 PM	72.4	72.5	72.2	0	0.0	29.845	3	4	S	72.4	0	84	67.3
8/12/2005	7:40 PM	72.2	72.3	72.1	0	0.0	29.843	2	4	S	72.2	0	84	67.1
8/12/2005	7:50 PM	72.0	72.1	71.9	0	0.0	29.842	3	5	SSW	72	0	83	66.6
8/12/2005	8:00 PM	71.8	71.9	71.7	0	0.0	29.852	3	7	SSW	71.8	0	83	66.4
8/12/2005	8:10 PM	71.6	71.7	71.5	0	0.0	29.853	2	6	SE	71.6	0	83	66.2
8/12/2005	8:20 PM	71.4	71.5	71.3	0	0.0	29.864	2	4	ENE	71.4	0	85	66.7
8/12/2005	8:30 PM	71.2	71.3	71.0	0	0.0	29.864	1	3	ENE	71.2	0	85	66.5
8/12/2005	8:40 PM	70.9	71.0	70.9	0	0.0	29.865	1	3	SE	70.9	0	87	66.8
8/12/2005	8:50 PM	70.8	70.9	70.7	0	0.0	29.872	1	3	ESE	70.8	0	87	66.7
8/12/2005	9:00 PM	70.8	70.8	70.7	0	0.0	29.876	2	4	S	70.8	0	87	66.7
8/12/2005	9:10 PM	70.7	70.8	70.7	0	0.0	29.870	1	4	S	70.7	0	86	66.3
8/12/2005	9:20 PM	70.7	70.8	70.7	0	0.0	29.875	1	3	S	70.7	0	85	66.0
8/12/2005	9:30 PM	70.8	70.9	70.7	0	0.0	29.878	2	4	SW	70.8	0	86	66.4

Date	Time	Air Temp (°F)	Hi (°F)	Low (°F)	Solar Rad (W/m <sup>2</sup> )	Solar Energy (Langleys)	Barometric Pressure (in Hg)	Wind Speed (mph)	Wind Hi (mph)	Wind Dir	Wind Chill (°F)	Rain (in)	Hum (%)	Dew Point (°F)
8/12/2005	9:40 PM	70.7	70.8	70.6	0	0.0	29.880	1	4	SW	70.7	0	86	66.3
8/12/2005	9:50 PM	70.6	70.6	70.6	0	0.0	29.878	1	4	S	70.6	0	86	66.2
8/12/2005	10:00 PM	70.6	70.6	70.6	0	0.0	29.878	1	4	S	70.6	0	87	66.5
8/12/2005	10:10 PM	70.5	70.6	70.3	0	0.0	29.884	2	5	SE	70.5	0	87	66.4
8/12/2005	10:20 PM	70.3	70.3	70.2	0	0.0	29.884	1	4	SE	70.3	0	88	66.6
8/12/2005	10:30 PM	70.2	70.2	70.1	0	0.0	29.881	2	5	ESE	70.2	0	89	66.8
8/12/2005	10:40 PM	70.2	70.3	70.2	0	0.0	29.885	3	6	SSE	70.2	0	88	66.5
8/12/2005	10:50 PM	70.3	70.3	70.3	0	0.0	29.883	3	6	S	70.3	0	88	66.6
8/12/2005	11:00 PM	70.4	70.5	70.3	0	0.0	29.884	2	5	SSE	70.4	0	88	66.7
8/12/2005	11:10 PM	70.4	70.5	70.4	0	0.0	29.883	2	3	SSE	70.4	0	88	66.7
8/12/2005	11:20 PM	70.3	70.4	70.3	0	0.0	29.889	2	3	SSE	70.3	0	89	66.9
8/12/2005	11:30 PM	70.3	70.3	70.3	0	0.0	29.893	2	4	SSE	70.3	0	89	66.9
8/12/2005	11:40 PM	70.2	70.3	70.2	0	0.0	29.889	2	4	SSE	70.2	0	89	66.8
8/12/2005	11:50 PM	70.2	70.3	70.1	0	0.0	29.885	1	3	SE	70.2	0	89	66.8
8/13/2005	12:00 AM	70.1	70.1	70.1	0	0.0	29.885	1	3	SE	70.1	0	91	67.4
8/13/2005	12:10 AM	70.1	70.1	70.0	0	0.0	29.881	1	3	E	70.1	0	91	67.4
8/13/2005	12:20 AM	69.9	70.0	69.9	0	0.0	29.879	0	1	E	69.9	0	90	66.8
8/13/2005	12:30 AM	69.9	69.9	69.9	0	0.0	29.876	1	2	E	69.9	0	91	67.2
8/13/2005	12:40 AM	70.0	70.0	69.9	0	0.0	29.881	0	2	E	70	0	91	67.3
8/13/2005	12:50 AM	70.0	70.0	69.9	0	0.0	29.877	2	3	E	70	0	91	67.3
8/13/2005	1:00 AM	69.8	69.9	69.7	0	0.0	29.877	1	3	E	69.8	0	92	67.4
8/13/2005	1:10 AM	69.6	69.7	69.5	0	0.0	29.880	1	3	E	69.6	0	91	66.9
8/13/2005	1:20 AM	69.5	69.5	69.5	0	0.0	29.876	0	1	E	69.5	0	92	67.1
8/13/2005	1:30 AM	69.4	69.5	69.3	0	0.0	29.874	0	2	E	69.4	0	92	67.0
8/13/2005	1:40 AM	69.4	69.4	69.3	0	0.0	29.869	0	2	E	69.4	0	92	67.0
8/13/2005	1:50 AM	69.5	69.6	69.4	0	0.0	29.869	1	3	E	69.5	0	92	67.1
8/13/2005	2:00 AM	69.5	69.6	69.5	0	0.0	29.869	0	1	E	69.5	0	92	67.1
8/13/2005	2:10 AM	69.5	69.6	69.5	0	0.0	29.867	1	2	E	69.5	0	93	67.4
8/13/2005	2:20 AM	69.6	69.6	69.5	0	0.0	29.867	0	2	E	69.6	0	93	67.5
8/13/2005	2:30 AM	69.7	69.7	69.6	0	0.0	29.863	1	2	E	69.7	0	93	67.6
8/13/2005	2:40 AM	69.5	69.6	69.4	0	0.0	29.864	1	2	SE	69.5	0	93	67.4
8/13/2005	2:50 AM	69.5	69.6	69.4	0	0.0	29.861	0	2	SE	69.5	0	93	67.4
8/13/2005	3:00 AM	69.6	69.7	69.6	0	0.0	29.864	0	1	SE	69.6	0	92	67.2
8/13/2005	3:10 AM	69.7	69.8	69.7	0	0.0	29.864	2	4	SE	69.7	0	92	67.3
8/13/2005	3:20 AM	69.6	69.7	69.5	0	0.0	29.863	2	3	SE	69.6	0	92	67.2
8/13/2005	3:30 AM	69.5	69.6	69.4	0	0.0	29.867	0	2	SE	69.5	0	92	67.1
8/13/2005	3:40 AM	69.3	69.4	69.3	0	0.0	29.868	0	0	---	69.3	0	93	67.2
8/13/2005	3:50 AM	69.4	69.6	69.3	0	0.0	29.870	1	2	SE	69.4	0	93	67.3
8/13/2005	4:00 AM	69.6	69.6	69.5	0	0.0	29.871	2	3	SE	69.6	0	93	67.5
8/13/2005	4:10 AM	69.5	69.6	69.5	0	0.0	29.869	2	3	E	69.5	0	93	67.4
8/13/2005	4:20 AM	69.5	69.5	69.5	0	0.0	29.869	2	4	SE	69.5	0	93	67.4
8/13/2005	4:30 AM	69.5	69.6	69.5	0	0.0	29.872	1	3	ESE	69.5	0	93	67.4
8/13/2005	4:40 AM	69.6	69.6	69.5	0	0.0	29.873	0	2	ESE	69.6	0	92	67.2
8/13/2005	4:50 AM	69.5	69.6	69.5	0	0.0	29.876	0	1	ESE	69.5	0	92	67.1
8/13/2005	5:00 AM	69.5	69.6	69.5	0	0.0	29.880	1	2	SE	69.5	0	93	67.4
8/13/2005	5:10 AM	69.6	69.6	69.5	0	0.0	29.882	1	4	SE	69.6	0	93	67.5
8/13/2005	5:20 AM	69.6	69.6	69.6	0	0.0	29.885	0	1	SE	69.6	0	92	67.2

Date	Time	Air Temp (°F)	Hi (°F)	Low (°F)	Solar Rad (W/m <sup>2</sup> )	Solar Energy (Langleys)	Barometric Pressure (in Hg)	Wind Speed (mph)	Wind Hi (mph)	Wind Dir	Wind Chill (°F)	Rain (in)	Hum (%)	Dew Point (°F)
8/13/2005	5:30 AM	69.6	69.6	69.6	0	0.0	29.889	0	1	SE	69.6	0	92	67.2
8/13/2005	5:40 AM	69.6	69.6	69.6	0	0.0	29.890	0	1	SE	69.6	0	92	67.2
8/13/2005	5:50 AM	69.6	69.7	69.6	0	0.0	29.891	1	3	SE	69.6	0	92	67.2
8/13/2005	6:00 AM	69.6	69.7	69.6	0	0.0	29.893	0	2	SE	69.6	0	92	67.2
8/13/2005	6:10 AM	69.6	69.6	69.5	0	0.0	29.896	0	1	SE	69.6	0	92	67.2
8/13/2005	6:20 AM	69.5	69.6	69.5	0	0.0	29.900	1	2	SE	69.5	0	92	67.1
8/13/2005	6:30 AM	69.5	69.5	69.5	0	0.0	29.904	0	2	SE	69.5	0	92	67.1
8/13/2005	6:40 AM	69.5	69.5	69.4	0	0.0	29.904	1	2	SSE	69.5	0	92	67.1
8/13/2005	6:50 AM	69.5	69.6	69.4	2	0.1	29.903	1	3	SSE	69.5	0	92	67.1
8/13/2005	7:00 AM	69.6	69.7	69.6	30	0.4	29.903	1	4	ESE	69.6	0	92	67.2
8/13/2005	7:10 AM	69.8	69.8	69.7	57	0.9	29.907	1	3	ESE	69.8	0	91	67.1
8/13/2005	7:20 AM	69.9	70.1	69.8	85	1.2	29.909	1	3	ESE	69.9	0	91	67.2
8/13/2005	7:30 AM	70.3	70.5	70.1	128	1.7	29.908	1	3	SE	70.3	0	90	67.2
8/13/2005	7:40 AM	70.7	71.0	70.5	178	2.8	29.909	2	4	SE	70.7	0	90	67.6
8/13/2005	7:50 AM	71.4	71.9	71.0	233	3.2	29.913	1	3	SSE	71.4	0	89	68.0
8/13/2005	8:00 AM	72.3	72.7	71.9	270	3.7	29.915	2	3	SSE	72.3	0	88	68.6
8/13/2005	8:10 AM	73.2	73.7	72.7	316	4.9	29.915	1	3	SSE	73.2	0	85	68.4
8/13/2005	8:20 AM	73.9	74.2	73.7	352	4.9	29.917	2	5	S	73.9	0	83	68.4
8/13/2005	8:30 AM	74.4	74.7	74.2	346	4.7	29.919	2	5	SSE	74.4	0	83	68.9
8/13/2005	8:40 AM	75.1	75.5	74.7	408	6.3	29.921	2	6	SSE	75.1	0	82	69.2
8/13/2005	8:50 AM	75.9	76.3	75.5	426	5.9	29.921	1	4	W	75.9	0	82	70.0
8/13/2005	9:00 AM	76.9	77.4	76.4	451	6.9	29.923	3	7	SW	76.9	0	79	69.9
8/13/2005	9:10 AM	77.7	78.2	77.4	478	6.7	29.926	2	5	SSW	77.7	0	75	69.2
8/13/2005	9:20 AM	78.6	78.9	78.2	505	7.7	29.929	2	4	SW	78.6	0	75	70.0
8/13/2005	9:30 AM	79.2	79.4	79.0	533	7.4	29.930	2	7	WS W	79.2	0	72	69.4
8/13/2005	9:40 AM	79.6	79.7	79.4	568	7.9	29.929	2	5	WS W	79.6	0	73	70.2
8/13/2005	9:50 AM	80.1	80.3	79.8	592	9.1	29.930	2	5	W	80.1	0	72	70.3
8/13/2005	10:00 AM	80.4	80.6	80.2	611	8.5	29.932	2	5	W	80.4	0	72	70.6
8/13/2005	10:10 AM	80.8	81.1	80.6	634	8.8	29.932	2	6	WS W	80.8	0	72	70.9
8/13/2005	10:20 AM	81.3	81.6	81.0	661	10.1	29.936	1	4	WN W	81.3	0	71	71.0
8/13/2005	10:30 AM	81.9	82.3	81.6	686	9.5	29.937	1	4	N	81.9	0	70	71.2
8/13/2005	10:40 AM	82.2	82.4	82.1	710	9.9	29.940	1	2	NNW	82.2	0	71	71.9
8/13/2005	10:50 AM	82.9	83.3	82.4	734	11.3	29.941	1	3	SW	82.9	0	67	70.8
8/13/2005	11:00 AM	83.3	83.5	83.2	751	10.4	29.941	2	5	NNW	83.3	0	68	71.6
8/13/2005	11:10 AM	83.6	84.0	83.2	775	10.7	29.941	1	4	SSW	83.6	0	67	71.5
8/13/2005	11:20 AM	84.1	84.1	84.0	791	12.1	29.941	2	5	S	84.1	0	68	72.4
8/13/2005	11:30 AM	84.2	84.3	84.1	807	11.2	29.941	2	5	SSE	84.2	0	67	72.1
8/13/2005	11:40 AM	84.4	84.5	84.3	823	12.7	29.939	3	6	S	84.4	0	67	72.3
8/13/2005	11:50 AM	84.8	85.3	84.4	836	11.6	29.938	2	7	S	84.8	0	68	73.1
8/13/2005	12:00 PM	85.5	85.7	85.2	849	13.0	29.937	3	6	SW	85.5	0	67	73.3
8/13/2005	12:10 PM	85.8	85.9	85.7	858	11.9	29.937	2	5	NW	85.8	0	66	73.1
8/13/2005	12:20 PM	86.0	86.1	85.8	868	12.0	29.935	2	3	NW	86	0	67	73.8
8/13/2005	12:30 PM	86.1	86.3	86.0	873	13.5	29.937	2	4	WN W	86.1	0	66	73.4



Date	Time	Air Temp (°F)	Hi (°F)	Low (°F)	Solar Rad (W/m <sup>2</sup> )	Solar Energy (Langleys)	Barometric Pressure (in Hg)	Wind Speed (mph)	Wind Hi (mph)	Wind Dir	Wind Chill (°F)	Rain (in)	Hum (%)	Dew Point (°F)
8/13/2005	12:40 PM	86.4	86.5	86.2	881	12.2	29.937	2	5	NW	86.4	0	66	73.7
8/13/2005	12:50 PM	86.6	86.7	86.5	880	12.1	29.938	2	4	N	86.6	0	65	73.4
8/13/2005	1:00 PM	86.7	86.9	86.6	883	13.6	29.937	2	4	N	86.7	0	66	74.0
8/13/2005	1:10 PM	86.9	87.0	86.8	885	12.3	29.936	2	5	N	86.9	0	67	74.6
8/13/2005	1:20 PM	86.9	87.0	86.8	883	12.2	29.934	2	4	NNE	86.9	0	66	74.2
8/13/2005	1:30 PM	87.2	87.5	86.9	882	13.6	29.931	3	5	NE	87.2	0	65	74.0
8/13/2005	1:40 PM	87.7	87.8	87.4	879	12.2	29.934	2	5	NE	87.7	0	62	73.1
8/13/2005	1:50 PM	88.1	88.5	87.8	881	13.5	29.931	2	5	E	88.1	0	59	72.0
8/13/2005	2:00 PM	88.6	88.9	88.4	888	12.3	29.926	2	6	NNE	88.6	0	62	73.9
8/13/2005	2:10 PM	89.3	89.5	88.9	898	12.3	29.929	2	5	SE	89.3	0	61	74.1
8/13/2005	2:20 PM	89.5	89.6	89.3	422	7.1	29.929	1	3	SE	89.5	0	58	72.8
8/13/2005	2:30 PM	89.0	89.3	88.7	353	4.7	29.922	2	4	S	89	0	62	74.3
8/13/2005	2:40 PM	88.5	89.0	87.1	499	7.8	29.909	5	9	NNW	88.3	0	62	73.8
8/13/2005	2:50 PM	86.0	87.1	85.4	516	7.2	29.907	4	8	NW	86	0	62	71.5
8/13/2005	3:00 PM	85.8	86.3	85.5	601	8.7	29.899	1	4	W	85.8	0	64	72.2
8/13/2005	3:10 PM	86.1	86.3	85.8	160	2.4	29.894	2	3	WN W	86.1	0	66	73.4
8/13/2005	3:20 PM	85.6	85.8	85.6	149	2.1	29.890	0	2	WN W	85.6	0	68	73.8
8/13/2005	3:30 PM	85.2	85.6	84.4	161	2.2	29.883	6	13	WS W	84.6	0	63	71.2
8/13/2005	3:40 PM	83.7	84.4	83.1	226	3.5	29.873	6	11	WS W	83	0	61	68.8
8/13/2005	3:50 PM	83.0	83.1	82.9	300	4.2	29.860	3	6	SW	83	0	61	68.2
8/13/2005	4:00 PM	83.2	83.3	83.1	349	4.7	29.850	3	6	S	83.2	0	64	69.8
8/13/2005	4:10 PM	83.9	84.8	83.3	506	7.8	29.845	3	5	S	83.9	0	63	70.0
8/13/2005	4:20 PM	85.9	86.9	84.8	630	8.8	29.847	2	5	SW	85.9	0	60	70.4
8/13/2005	4:30 PM	87.5	87.8	86.9	545	7.8	29.853	2	4	NNW	87.5	0	60	71.9
8/13/2005	4:40 PM	87.6	87.7	87.5	241	3.6	29.857	0	2	N	87.6	0	60	72.0
8/13/2005	4:50 PM	87.4	87.6	87.2	252	3.5	29.854	1	2	E	87.4	0	65	74.2
8/13/2005	5:00 PM	87.3	87.4	87.2	321	5.1	29.855	1	3	SSE	87.3	0	63	73.2
8/13/2005	5:10 PM	87.6	88.1	87.4	439	6.1	29.860	2	3	SE	87.6	0	58	71.0
8/13/2005	5:20 PM	88.3	88.4	88.0	396	5.5	29.863	2	4	SE	88.3	0	60	72.7
8/13/2005	5:30 PM	88.2	88.3	88.2	362	5.6	29.869	3	4	SE	88.2	0	65	75.0
8/13/2005	5:40 PM	88.3	88.3	88.2	334	4.6	29.873	3	5	SE	88.3	0	60	72.7
8/13/2005	5:50 PM	88.1	88.3	88.1	305	4.7	29.874	3	6	SE	88.1	0	62	73.5
8/13/2005	6:00 PM	88.1	88.1	88.0	279	3.8	29.875	3	5	SE	88.1	0	63	73.9
8/13/2005	6:10 PM	88.0	88.0	87.9	254	3.5	29.872	3	4	SSE	88	0	64	74.3
8/13/2005	6:20 PM	87.8	87.9	87.8	231	3.6	29.868	3	5	SSE	87.8	0	65	74.6
8/13/2005	6:30 PM	87.6	87.8	87.4	207	2.9	29.875	3	5	SE	87.6	0	65	74.4
8/13/2005	6:40 PM	87.0	87.4	86.4	178	2.4	29.880	7	13	SSE	86.4	0	67	74.7
8/13/2005	6:50 PM	85.9	86.4	85.6	148	2.3	29.883	6	9	SSE	85.4	0	67	73.7
8/13/2005	7:00 PM	85.2	85.6	85.0	119	1.6	29.886	5	9	SSE	84.9	0	68	73.5
8/13/2005	7:10 PM	84.8	85.0	84.6	89	1.4	29.879	4	8	SSE	84.8	0	69	73.5
8/13/2005	7:20 PM	84.3	84.6	84.0	59	0.8	29.873	4	7	SSE	84.3	0	70	73.5
8/13/2005	7:30 PM	83.7	84.0	83.4	37	0.5	29.873	4	6	SSE	83.7	0	71	73.3
8/13/2005	7:40 PM	83.1	83.4	82.8	10	0.2	29.868	3	5	SSE	83.1	0	71	72.7
8/13/2005	7:50 PM	82.5	82.8	82.2	0	0.0	29.867	3	6	SSE	82.5	0	73	73.0

Date	Time	Air Temp (°F)	Hi (°F)	Low (°F)	Solar Rad (W/m <sup>2</sup> )	Solar Energy (Langleys)	Barometric Pressure (in Hg)	Wind Speed (mph)	Wind Hi (mph)	Wind Dir	Wind Chill (°F)	Rain (in)	Hum (%)	Dew Point (°F)
8/13/2005	8:00 PM	81.9	82.2	81.6	0	0.0	29.870	5	8	SE	81.4	0	72	72.0
8/13/2005	8:10 PM	81.4	81.6	81.1	0	0.0	29.872	3	8	E	81.4	0	73	71.9
8/13/2005	8:20 PM	80.9	81.1	80.6	0	0.0	29.875	3	7	SSE	80.9	0	73	71.4
8/13/2005	8:30 PM	80.4	80.6	80.3	0	0.0	29.876	3	8	SE	80.4	0	71	70.1
8/13/2005	8:40 PM	80.2	80.3	80.1	0	0.0	29.885	4	7	E	80.2	0	72	70.4
8/13/2005	8:50 PM	79.9	80.1	79.6	0	0.0	29.881	3	6	SE	79.9	0	72	70.1
8/13/2005	9:00 PM	79.4	79.6	79.2	0	0.0	29.885	2	5	E	79.4	0	73	70.0
8/13/2005	9:10 PM	79.2	79.2	79.1	0	0.0	29.892	3	5	ESE	79.2	0	75	70.6
8/13/2005	9:20 PM	78.8	79.1	78.6	0	0.0	29.890	3	6	SE	78.8	0	76	70.6
8/13/2005	9:30 PM	78.5	78.7	78.4	0	0.0	29.895	2	5	ESE	78.5	0	76	70.3
8/13/2005	9:40 PM	78.2	78.4	78.0	0	0.0	29.892	3	6	SE	78.2	0	75	69.6
8/13/2005	9:50 PM	77.8	78.0	77.6	0	0.0	29.892	4	7	SE	77.8	0	76	69.6
8/13/2005	10:00 PM	77.4	77.6	77.2	0	0.0	29.889	4	7	SE	77.4	0	77	69.6
8/13/2005	10:10 PM	76.9	77.2	76.7	0	0.0	29.890	3	5	SE	76.9	0	78	69.5
8/13/2005	10:20 PM	76.6	76.7	76.3	0	0.0	29.889	2	5	ESE	76.6	0	79	69.6
8/13/2005	10:30 PM	76.1	76.4	75.9	0	0.0	29.887	2	4	SE	76.1	0	80	69.5
8/13/2005	10:40 PM	75.7	75.9	75.6	0	0.0	29.883	3	6	SSE	75.7	0	81	69.5
8/13/2005	10:50 PM	75.5	75.6	75.4	0	0.0	29.880	3	6	SE	75.5	0	81	69.3
8/13/2005	11:00 PM	75.3	75.4	75.2	0	0.0	29.879	2	4	SE	75.3	0	82	69.4
8/13/2005	11:10 PM	75.1	75.2	75.0	0	0.0	29.879	1	4	SE	75.1	0	82	69.2
8/13/2005	11:20 PM	74.9	75.0	74.7	0	0.0	29.880	1	3	ESE	74.9	0	82	69.0
8/13/2005	11:30 PM	74.6	74.8	74.5	0	0.0	29.875	1	4	SSE	74.6	0	83	69.1
8/13/2005	11:40 PM	74.4	74.5	74.3	0	0.0	29.875	2	3	SSE	74.4	0	84	69.3
8/13/2005	11:50 PM	74.2	74.3	74.1	0	0.0	29.876	2	5	SE	74.2	0	84	69.1
8/14/2005	12:00 AM	74.0	74.1	73.9	0	0.0	29.872	2	4	S	74	0	84	68.9
8/14/2005	12:10 AM	73.8	73.9	73.8	0	0.0	29.867	3	6	SSE	73.8	0	85	69.0
8/14/2005	12:20 AM	73.7	73.8	73.6	0	0.0	29.868	2	5	SSE	73.7	0	85	68.9
8/14/2005	12:30 AM	73.6	73.6	73.5	0	0.0	29.870	2	4	ESE	73.6	0	85	68.8
8/14/2005	12:40 AM	73.4	73.5	73.2	0	0.0	29.867	1	4	ESE	73.4	0	86	69.0
8/14/2005	12:50 AM	73.1	73.3	73.0	0	0.0	29.866	2	4	S	73.1	0	86	68.7
8/14/2005	1:00 AM	73.0	73.1	73.0	0	0.0	29.865	1	3	ESE	73	0	87	68.9
8/14/2005	1:10 AM	73.0	73.0	72.9	0	0.0	29.858	2	5	ESE	73	0	86	68.6
8/14/2005	1:20 AM	72.8	72.9	72.8	0	0.0	29.857	2	5	SE	72.8	0	87	68.7
8/14/2005	1:30 AM	72.7	72.8	72.6	0	0.0	29.857	2	4	S	72.7	0	87	68.6
8/14/2005	1:40 AM	72.6	72.7	72.6	0	0.0	29.857	1	3	SE	72.6	0	87	68.5
8/14/2005	1:50 AM	72.5	72.6	72.5	0	0.0	29.857	1	4	SE	72.5	0	88	68.7
8/14/2005	2:00 AM	72.5	72.5	72.4	0	0.0	29.856	1	4	ESE	72.5	0	88	68.7
8/14/2005	2:10 AM	72.4	72.5	72.3	0	0.0	29.853	2	3	ESE	72.4	0	88	68.6
8/14/2005	2:20 AM	72.2	72.3	72.1	0	0.0	29.855	1	3	ESE	72.2	0	89	68.8
8/14/2005	2:30 AM	72.1	72.2	72.0	0	0.0	29.857	1	4	SSE	72.1	0	89	68.7
8/14/2005	2:40 AM	72.0	72.0	71.9	0	0.0	29.856	0	2	SSE	72	0	88	68.3
8/14/2005	2:50 AM	72.0	72.0	71.9	0	0.0	29.858	2	3	SSE	72	0	89	68.6
8/14/2005	3:00 AM	72.0	72.0	72.0	0	0.0	29.856	1	3	ENE	72	0	89	68.6
8/14/2005	3:10 AM	71.9	72.0	71.9	0	0.0	29.855	0	0	---	71.9	0	89	68.5
8/14/2005	3:20 AM	71.8	71.9	71.8	0	0.0	29.852	0	1	ESE	71.8	0	89	68.4
8/14/2005	3:30 AM	71.8	71.8	71.8	0	0.0	29.855	1	2	ESE	71.8	0	90	68.7
8/14/2005	3:40 AM	71.8	71.8	71.8	0	0.0	29.859	1	2	ESE	71.8	0	90	68.7

Date	Time	Air Temp (°F)	Hi (°F)	Low (°F)	Solar Rad (W/m <sup>2</sup> )	Solar Energy (Langley)	Barometric Pressure (in Hg)	Wind Speed (mph)	Wind Hi (mph)	Wind Dir	Wind Chill (°F)	Rain (in)	Hum (%)	Dew Point (°F)
8/14/2005	3:50 AM	71.7	71.8	71.7	0	0.0	29.859	0	1	ESE	71.7	0	90	68.6
8/14/2005	4:00 AM	71.6	71.7	71.5	0	0.0	29.863	0	0	---	71.6	0	90	68.5
8/14/2005	4:10 AM	71.5	71.5	71.4	0	0.0	29.867	0	0	---	71.5	0	90	68.4
8/14/2005	4:20 AM	71.4	71.4	71.4	0	0.0	29.869	0	1	ESE	71.4	0	90	68.3
8/14/2005	4:30 AM	71.3	71.4	71.3	0	0.0	29.872	0	1	ESE	71.3	0	91	68.5
8/14/2005	4:40 AM	71.4	71.4	71.3	0	0.0	29.876	0	1	ESE	71.4	0	91	68.6
8/14/2005	4:50 AM	71.5	71.5	71.4	0	0.0	29.877	0	0	---	71.5	0	91	68.7
8/14/2005	5:00 AM	71.5	71.5	71.4	0	0.0	29.876	0	1	ESE	71.5	0	91	68.7
8/14/2005	5:10 AM	71.3	71.4	71.3	0	0.0	29.876	0	0	---	71.3	0	91	68.5
8/14/2005	5:20 AM	71.3	71.4	71.3	0	0.0	29.878	0	1	ESE	71.3	0	92	68.9
8/14/2005	5:30 AM	71.3	71.3	71.2	0	0.0	29.880	0	2	ESE	71.3	0	91	68.5
8/14/2005	5:40 AM	71.2	71.2	71.1	0	0.0	29.884	0	0	---	71.2	0	91	68.4
8/14/2005	5:50 AM	71.0	71.1	71.0	0	0.0	29.883	0	2	SE	71	0	91	68.2
8/14/2005	6:00 AM	70.9	71.0	70.9	0	0.0	29.886	1	2	SE	70.9	0	91	68.1
8/14/2005	6:10 AM	71.0	71.0	70.9	0	0.0	29.889	1	2	SE	71	0	91	68.2
8/14/2005	6:20 AM	71.0	71.1	71.0	0	0.0	29.893	0	2	SE	71	0	91	68.2
8/14/2005	6:30 AM	71.1	71.1	71.0	0	0.0	29.890	0	3	SE	71.1	0	91	68.3
8/14/2005	6:40 AM	71.1	71.1	71.1	9	0.1	29.894	0	2	SE	71.1	0	92	68.7
8/14/2005	6:50 AM	71.1	71.3	71.1	41	0.6	29.898	0	1	SE	71.1	0	92	68.7
8/14/2005	7:00 AM	71.5	71.7	71.3	63	0.9	29.900	1	3	SE	71.5	0	91	68.7
8/14/2005	7:10 AM	71.8	71.9	71.7	91	1.3	29.901	1	4	SE	71.8	0	91	69.0
8/14/2005	7:20 AM	72.1	72.2	71.9	119	1.8	29.905	1	4	SE	72.1	0	90	69.0
8/14/2005	7:30 AM	72.4	72.6	72.2	148	2.0	29.907	1	3	SE	72.4	0	90	69.3
8/14/2005	7:40 AM	72.9	73.3	72.6	178	2.8	29.911	1	3	SE	72.9	0	90	69.8
8/14/2005	7:50 AM	73.6	74.1	73.3	206	2.9	29.911	1	3	SE	73.6	0	88	69.8
8/14/2005	8:00 AM	74.5	75.0	74.0	238	3.2	29.917	1	2	SE	74.5	0	87	70.4
8/14/2005	8:10 AM	75.3	75.5	75.0	272	4.2	29.921	1	3	SSE	75.3	0	85	70.5
8/14/2005	8:20 AM	75.8	76.1	75.5	306	4.3	29.920	1	4	SSE	75.8	0	84	70.6
8/14/2005	8:30 AM	76.4	76.8	76.1	339	4.6	29.924	2	5	SSE	76.4	0	83	70.9
8/14/2005	8:40 AM	77.3	77.8	76.8	373	5.8	29.928	1	3	SSE	77.3	0	80	70.7
8/14/2005	8:50 AM	78.1	78.5	77.8	408	5.6	29.928	1	3	SSW	78.1	0	79	71.1
8/14/2005	9:00 AM	78.8	79.0	78.5	441	6.8	29.930	2	4	SSW	78.8	0	79	71.7
8/14/2005	9:10 AM	79.3	79.7	79.0	472	6.6	29.929	1	3	SSW	79.3	0	78	71.9
8/14/2005	9:20 AM	80.2	80.7	79.6	506	7.0	29.936	1	4	S	80.2	0	77	72.3
8/14/2005	9:30 AM	81.3	81.9	80.7	536	8.2	29.939	1	3	E	81.3	0	76	73.0
8/14/2005	9:40 AM	82.4	82.7	81.9	545	7.5	29.943	1	4	WN W	82.4	0	74	73.3
8/14/2005	9:50 AM	82.7	82.8	82.6	599	9.2	29.946	2	4	NW	82.7	0	72	72.8
8/14/2005	10:00 AM	83.2	83.5	82.8	628	8.7	29.945	1	3	NNW	83.2	0	70	72.4
8/14/2005	10:10 AM	83.7	84.1	83.4	656	9.1	29.955	1	4	N	83.7	0	71	73.3
8/14/2005	10:20 AM	83.7	84.1	83.5	679	10.4	29.961	2	4	N	83.7	0	72	73.7
8/14/2005	10:30 AM	83.8	83.9	83.5	702	9.8	29.962	2	4	NE	83.8	0	68	72.1
8/14/2005	10:40 AM	83.9	84.0	83.8	723	10.0	29.967	2	4	NNE	83.9	0	71	73.5
8/14/2005	10:50 AM	84.2	84.4	84.0	744	11.4	29.970	2	4	N	84.2	0	69	72.9
8/14/2005	11:00 AM	84.6	85.0	84.4	764	10.6	29.970	1	3	NNW	84.6	0	67	72.4
8/14/2005	11:10 AM	85.6	85.9	85.0	786	12.1	29.971	1	3	NE	85.6	0	65	72.5
8/14/2005	11:20 AM	85.9	86.0	85.8	804	11.1	29.974	1	3	NNW	85.9	0	64	72.3

Date	Time	Air Temp (°F)	Hi (°F)	Low (°F)	Solar Rad (W/m <sup>2</sup> )	Solar Energy (Langleys)	Barometric Pressure (in Hg)	Wind Speed (mph)	Wind Hi (mph)	Wind Dir	Wind Chill (°F)	Rain (in)	Hum (%)	Dew Point (°F)
8/14/2005	11:30 AM	86.3	86.6	85.9	821	11.4	29.977	1	4	NNE	86.3	0	64	72.7
8/14/2005	11:40 AM	86.9	87.0	86.6	835	12.8	29.978	2	4	NE	86.9	0	65	73.7
8/14/2005	11:50 AM	87.1	87.3	87.0	847	11.8	29.979	2	4	NE	87.1	0	66	74.4
8/14/2005	12:00 PM	87.6	87.9	87.3	858	11.8	29.978	2	5	NNE	87.6	0	65	74.4
8/14/2005	12:10 PM	88.0	88.1	87.8	867	13.4	29.979	2	4	NNW	88	0	62	73.4
8/14/2005	12:20 PM	88.3	88.4	88.1	875	12.1	29.979	2	5	NNW	88.3	0	60	72.7
8/14/2005	12:30 PM	88.7	88.8	88.4	886	13.6	29.977	2	5	NW	88.7	0	60	73.0
8/14/2005	12:40 PM	88.9	89.1	88.8	892	12.4	29.979	2	5	NE	88.9	0	63	74.7
8/14/2005	12:50 PM	89.1	89.3	89.0	898	12.4	29.976	2	5	N	89.1	0	60	73.4
8/14/2005	1:00 PM	89.7	90.0	89.3	906	14.0	29.983	2	5	NW	89.7	0	57	72.5
8/14/2005	1:10 PM	89.8	90.0	89.7	922	12.7	29.981	1	4	NNE	89.8	0	60	74.1
8/14/2005	1:20 PM	89.9	90.0	89.7	797	11.7	29.986	3	6	N	89.9	0	55	71.6
8/14/2005	1:30 PM	89.3	89.7	89.0	252	3.9	29.985	1	5	N	89.3	0	56	71.6
8/14/2005	1:40 PM	89.1	89.4	89.0	709	9.7	29.979	1	4	ENE	89.1	0	59	72.9
8/14/2005	1:50 PM	89.7	89.9	89.4	913	14.2	29.981	2	6	NNE	89.7	0	57	72.5
8/14/2005	2:00 PM	90.2	90.5	89.9	910	12.7	29.981	1	5	N	90.2	0	56	72.4
8/14/2005	2:10 PM	90.7	91.0	90.4	801	11.2	29.982	1	3	S	90.7	0	55	72.3
8/14/2005	2:20 PM	90.9	91.1	90.6	687	10.7	29.980	2	6	NE	90.9	0	56	73.0
8/14/2005	2:30 PM	90.6	90.7	90.5	850	11.6	29.975	3	7	NE	90.6	0	57	73.3
8/14/2005	2:40 PM	90.5	90.7	90.3	614	9.3	29.972	2	6	ESE	90.5	0	58	73.7
8/14/2005	2:50 PM	90.5	90.6	90.4	834	11.5	29.970	3	5	N	90.5	0	56	72.7
8/14/2005	3:00 PM	90.7	90.9	90.6	829	11.4	29.969	2	5	N	90.7	0	56	72.9
8/14/2005	3:10 PM	91.0	91.3	90.8	804	12.4	29.971	1	3	W	91	0	55	72.6
8/14/2005	3:20 PM	91.3	91.5	91.1	757	10.6	29.972	2	4	SSE	91.3	0	55	72.9
8/14/2005	3:30 PM	91.0	91.1	90.9	735	10.2	29.969	2	5	E	91	0	55	72.6
8/14/2005	3:40 PM	90.9	91.0	90.7	560	8.3	29.971	2	6	E	90.9	0	54	72.0
8/14/2005	3:50 PM	90.9	91.0	90.7	549	7.9	29.965	1	5	SSE	90.9	0	56	73.0
8/14/2005	4:00 PM	91.0	91.1	91.0	644	8.9	29.960	2	5	SSW	91	0	57	73.7
8/14/2005	4:10 PM	91.0	91.1	90.9	617	9.5	29.959	2	5	SSE	91	0	52	70.9
8/14/2005	4:20 PM	91.3	91.4	91.1	586	8.1	29.961	2	4	SSE	91.3	0	54	72.3
8/14/2005	4:30 PM	91.5	91.5	91.4	557	8.6	29.958	2	5	SE	91.5	0	53	72.0
8/14/2005	4:40 PM	91.1	91.4	90.8	535	7.4	29.959	3	6	SE	91.1	0	54	72.2
8/14/2005	4:50 PM	90.8	90.8	90.7	501	6.9	29.954	3	5	SE	90.8	0	55	72.4
8/14/2005	5:00 PM	90.6	90.8	90.4	472	7.3	29.950	3	6	SE	90.6	0	55	72.2
8/14/2005	5:10 PM	90.4	90.4	90.3	430	5.9	29.946	3	6	SE	90.4	0	56	72.6
8/14/2005	5:20 PM	90.2	90.3	90.1	362	5.6	29.943	3	5	SE	90.2	0	56	72.4
8/14/2005	5:30 PM	90.1	90.1	90.1	346	4.9	29.941	2	4	SE	90.1	0	60	74.4
8/14/2005	5:40 PM	90.0	90.1	90.0	326	4.5	29.942	2	4	SE	90	0	60	74.3
8/14/2005	5:50 PM	89.9	90.0	89.8	288	4.5	29.941	3	6	ESE	89.9	0	58	73.2
8/14/2005	6:00 PM	89.6	89.8	89.4	252	3.4	29.937	2	5	SE	89.6	0	60	73.9
8/14/2005	6:10 PM	89.3	89.5	89.1	220	3.1	29.932	2	5	SE	89.3	0	62	74.6
8/14/2005	6:20 PM	89.0	89.1	88.8	189	2.9	29.933	2	3	SE	89	0	63	74.8
8/14/2005	6:30 PM	88.8	88.9	88.7	157	2.2	29.937	2	4	SE	88.8	0	63	74.6
8/14/2005	6:40 PM	88.5	88.7	88.3	127	1.9	29.936	2	3	SE	88.5	0	66	75.7
8/14/2005	6:50 PM	88.0	88.3	87.8	103	1.4	29.937	1	2	SE	88	0	66	75.2
8/14/2005	7:00 PM	87.6	87.8	87.3	78	1.1	29.936	1	3	SE	87.6	0	72	77.5
8/14/2005	7:10 PM	86.7	87.3	86.1	55	0.8	29.937	2	3	SE	86.7	0	75	77.8



Date	Time	Air Temp (°F)	Hi (°F)	Low (°F)	Solar Rad (W/m <sup>2</sup> )	Solar Energy (Langley's)	Barometric Pressure (in Hg)	Wind Speed (mph)	Wind Hi (mph)	Wind Dir	Wind Chill (°F)	Rain (in)	Hum (%)	Dew Point (°F)
8/14/2005	7:20 PM	85.7	86.1	85.4	36	0.5	29.935	0	1	SE	85.7	0	75	76.9
8/14/2005	7:30 PM	85.1	85.4	84.6	6	0.1	29.934	0	1	SE	85.1	0	79	77.9
8/14/2005	7:40 PM	84.0	84.6	83.5	0	0.0	29.931	1	3	SE	84	0	80	77.2
8/14/2005	7:50 PM	83.2	83.5	82.9	0	0.0	29.927	1	2	SE	83.2	0	82	77.1
8/14/2005	8:00 PM	82.7	82.9	82.5	0	0.0	29.928	0	1	SE	82.7	0	82	76.6
8/14/2005	8:10 PM	82.3	82.6	82.0	0	0.0	29.927	1	2	SE	82.3	0	83	76.6
8/14/2005	8:20 PM	81.7	82.0	81.5	0	0.0	29.929	0	1	SE	81.7	0	86	77.1
8/14/2005	8:30 PM	81.3	81.5	81.2	0	0.0	29.928	0	1	SE	81.3	0	86	76.7
8/14/2005	8:40 PM	81.2	81.2	81.0	0	0.0	29.932	1	2	SE	81.2	0	87	77.0
8/14/2005	8:50 PM	80.9	81.1	80.8	0	0.0	29.939	0	1	SE	80.9	0	87	76.7
8/14/2005	9:00 PM	80.7	80.8	80.6	0	0.0	29.940	0	1	SE	80.7	0	87	76.5
8/14/2005	9:10 PM	80.5	80.6	80.3	0	0.0	29.942	0	1	SE	80.5	0	87	76.3
8/14/2005	9:20 PM	80.2	80.4	80.0	0	0.0	29.942	0	1	SE	80.2	0	88	76.3
8/14/2005	9:30 PM	79.9	80.0	79.8	0	0.0	29.941	1	2	SE	79.9	0	88	76.0
8/14/2005	9:40 PM	79.8	79.9	79.7	0	0.0	29.940	0	2	SE	79.8	0	88	75.9
8/14/2005	9:50 PM	79.6	79.8	79.6	0	0.0	29.938	1	1	SE	79.6	0	88	75.7
8/14/2005	10:00 PM	79.6	79.7	79.6	0	0.0	29.940	0	2	SE	79.6	0	88	75.7
8/14/2005	10:10 PM	79.8	79.9	79.7	0	0.0	29.940	2	3	ESE	79.8	0	89	76.3
8/14/2005	10:20 PM	80.1	80.2	79.9	0	0.0	29.948	2	4	SE	80.1	0	87	75.9
8/14/2005	10:30 PM	80.0	80.1	79.8	0	0.0	29.955	1	1	SE	80	0	87	75.8
8/14/2005	10:40 PM	79.7	79.9	79.6	0	0.0	29.956	0	2	SE	79.7	0	88	75.8
8/14/2005	10:50 PM	79.3	79.6	79.1	0	0.0	29.956	1	2	SE	79.3	0	89	75.8
8/14/2005	11:00 PM	79.0	79.1	78.9	0	0.0	29.955	1	3	SE	79	0	90	75.8
8/14/2005	11:10 PM	78.9	79.0	78.9	0	0.0	29.951	0	2	SSE	78.9	0	88	75.0
8/14/2005	11:20 PM	79.0	79.0	78.9	0	0.0	29.952	0	2	SSE	79	0	88	75.1
8/14/2005	11:30 PM	78.8	78.9	78.7	0	0.0	29.948	1	2	SSE	78.8	0	90	75.6
8/14/2005	11:40 PM	78.6	78.7	78.5	0	0.0	29.951	0	2	SSE	78.6	0	90	75.4
8/14/2005	11:50 PM	78.6	78.6	78.5	0	0.0	29.952	1	3	SE	78.6	0	89	75.1
8/15/2005	12:00 AM	78.5	78.6	78.5	0	0.0	29.949	0	1	SE	78.5	0	89	75.0
8/15/2005	12:10 AM	78.4	78.5	78.3	0	0.0	29.944	0	1	SE	78.4	0	89	74.9
8/15/2005	12:20 AM	78.2	78.3	78.1	0	0.0	29.943	0	2	SE	78.2	0	88	74.4
8/15/2005	12:30 AM	78.0	78.1	78.0	0	0.0	29.940	0	0	---	78	0	89	74.5
8/15/2005	12:40 AM	77.9	78.0	77.9	0	0.0	29.936	0	2	SE	77.9	0	90	74.7
8/15/2005	12:50 AM	77.9	77.9	77.8	0	0.0	29.933	0	2	SE	77.9	0	90	74.7
8/15/2005	1:00 AM	77.8	77.8	77.8	0	0.0	29.929	0	2	SE	77.8	0	90	74.6
8/15/2005	1:10 AM	77.8	77.8	77.7	0	0.0	29.927	0	0	---	77.8	0	89	74.3
8/15/2005	1:20 AM	77.6	77.7	77.5	0	0.0	29.930	0	1	SE	77.6	0	89	74.1
8/15/2005	1:30 AM	77.3	77.5	77.2	0	0.0	29.927	0	0	---	77.3	0	90	74.1
8/15/2005	1:40 AM	77.2	77.2	77.2	0	0.0	29.927	0	0	---	77.2	0	90	74.0
8/15/2005	1:50 AM	77.2	77.2	77.1	0	0.0	29.934	0	0	---	77.2	0	91	74.4
8/15/2005	2:00 AM	77.0	77.1	77.0	0	0.0	29.929	0	1	SE	77	0	91	74.2
8/15/2005	2:10 AM	77.0	77.0	77.0	0	0.0	29.931	1	2	SE	77	0	92	74.5
8/15/2005	2:20 AM	76.9	77.0	76.8	0	0.0	29.928	0	0	---	76.9	0	92	74.4
8/15/2005	2:30 AM	76.9	76.9	76.8	0	0.0	29.927	0	1	SE	76.9	0	92	74.4
8/15/2005	2:40 AM	77.0	77.0	76.9	0	0.0	29.924	0	1	SE	77	0	92	74.5
8/15/2005	2:50 AM	77.0	77.0	77.0	0	0.0	29.923	0	1	SE	77	0	92	74.5
8/15/2005	3:00 AM	77.0	77.0	76.9	0	0.0	29.924	0	0	---	77	0	92	74.5

Date	Time	Air Temp (°F)	Hi (°F)	Low (°F)	Solar Rad (W/m <sup>2</sup> )	Solar Energy (Langleys)	Barometric Pressure (in Hg)	Wind Speed (mph)	Wind Hi (mph)	Wind Dir	Wind Chill (°F)	Rain (in)	Hum (%)	Dew Point (°F)
8/15/2005	3:10 AM	76.9	76.9	76.8	0	0.0	29.925	0	2	SE	76.9	0	92	74.4
8/15/2005	3:20 AM	76.7	76.8	76.6	0	0.0	29.928	0	0	---	76.7	0	92	74.2
8/15/2005	3:30 AM	76.6	76.6	76.5	0	0.0	29.926	0	1	SE	76.6	0	93	74.4
8/15/2005	3:40 AM	76.6	76.6	76.6	0	0.0	29.930	0	0	---	76.6	0	92	74.1
8/15/2005	3:50 AM	76.6	76.6	76.5	0	0.0	29.931	0	1	SE	76.6	0	92	74.1
8/15/2005	4:00 AM	76.4	76.6	76.3	0	0.0	29.934	0	1	SE	76.4	0	93	74.2
8/15/2005	4:10 AM	76.4	76.6	76.3	0	0.0	29.935	0	2	SE	76.4	0	93	74.2
8/15/2005	4:20 AM	76.6	76.7	76.6	0	0.0	29.934	1	3	SE	76.6	0	92	74.1
8/15/2005	4:30 AM	76.4	76.6	76.3	0	0.0	29.932	1	3	E	76.4	0	93	74.2
8/15/2005	4:40 AM	76.3	76.3	76.2	0	0.0	29.938	0	2	E	76.3	0	93	74.1
8/15/2005	4:50 AM	76.2	76.4	76.1	0	0.0	29.944	1	3	WS W	76.2	0	93	74.0
8/15/2005	5:00 AM	76.4	76.5	76.4	0	0.0	29.946	0	0	---	76.4	0	93	74.2
8/15/2005	5:10 AM	76.3	76.4	76.2	0	0.0	29.950	0	1	WS W	76.3	0	92	73.8
8/15/2005	5:20 AM	76.1	76.2	76.1	0	0.0	29.952	0	1	WS W	76.1	0	93	73.9
8/15/2005	5:30 AM	76.0	76.1	75.9	0	0.0	29.956	0	0	---	76	0	93	73.8
8/15/2005	5:40 AM	75.9	76.0	75.9	0	0.0	29.959	1	3	S	75.9	0	94	74.1
8/15/2005	5:50 AM	75.8	75.9	75.7	0	0.0	29.959	0	1	S	75.8	0	93	73.6
8/15/2005	6:00 AM	75.7	75.8	75.7	0	0.0	29.962	0	1	S	75.7	0	93	73.5
8/15/2005	6:10 AM	75.6	75.7	75.6	0	0.0	29.964	0	1	S	75.6	0	93	73.4
8/15/2005	6:20 AM	75.6	75.6	75.5	0	0.0	29.969	0	0	---	75.6	0	93	73.4
8/15/2005	6:30 AM	75.5	75.6	75.4	0	0.0	29.970	0	2	S	75.5	0	94	73.7
8/15/2005	6:40 AM	75.5	75.5	75.4	16	0.2	29.968	0	1	S	75.5	0	93	73.3
8/15/2005	6:50 AM	75.4	75.5	75.3	44	0.7	29.969	0	2	S	75.4	0	94	73.6
8/15/2005	7:00 AM	75.6	75.8	75.4	68	0.9	29.970	1	3	S	75.6	0	94	73.8
8/15/2005	7:10 AM	76.0	76.2	75.8	95	1.3	29.972	1	3	SSE	76	0	93	73.8
8/15/2005	7:20 AM	76.4	76.7	76.2	120	1.9	29.974	0	2	SSE	76.4	0	92	73.9
8/15/2005	7:30 AM	77.0	77.2	76.7	151	2.1	29.978	0	1	SSE	77	0	91	74.2
8/15/2005	7:40 AM	77.4	77.7	77.2	181	2.7	29.981	0	1	SSE	77.4	0	90	74.2
8/15/2005	7:50 AM	78.0	78.2	77.7	215	3.0	29.985	1	3	SSE	78	0	88	74.2
8/15/2005	8:00 AM	78.4	78.7	78.2	243	3.4	29.987	1	3	S	78.4	0	87	74.2
8/15/2005	8:10 AM	79.1	79.6	78.7	275	4.2	29.994	1	2	SW	79.1	0	85	74.2
8/15/2005	8:20 AM	79.9	80.1	79.6	308	4.3	30.001	1	3	SW	79.9	0	83	74.3
8/15/2005	8:30 AM	80.4	80.7	80.1	338	5.2	30.003	1	3	W	80.4	0	80	73.7
8/15/2005	8:40 AM	81.1	81.4	80.7	372	5.2	30.005	1	3	W	81.1	0	77	73.2
8/15/2005	8:50 AM	81.7	82.1	81.4	407	5.6	30.012	2	4	WN W	81.7	0	76	73.4
8/15/2005	9:00 AM	82.2	82.3	82.1	437	6.7	30.018	3	6	WN W	82.2	0	74	73.1
8/15/2005	9:10 AM	82.3	82.5	82.3	470	6.5	30.020	3	5	W	82.3	0	73	72.8
8/15/2005	9:20 AM	82.7	82.9	82.5	502	7.0	30.020	1	3	NW	82.7	0	72	72.8
8/15/2005	9:30 AM	83.1	83.3	82.9	535	8.2	30.025	1	2	NW	83.1	0	71	72.7
8/15/2005	9:40 AM	83.7	83.8	83.3	566	7.8	30.031	1	3	NW	83.7	0	71	73.3
8/15/2005	9:50 AM	84.0	84.4	83.8	594	9.2	30.035	1	2	NNW	84	0	69	72.7
8/15/2005	10:00 AM	84.4	84.4	84.4	622	8.6	30.040	1	3	NNW	84.4	0	70	73.6
8/15/2005	10:10 AM	84.4	84.5	84.4	647	9.0	30.044	1	3	NW	84.4	0	70	73.6

Date	Time	Air Temp (°F)	Hi (°F)	Low (°F)	Solar Rad (W/m <sup>2</sup> )	Solar Energy (Langleys)	Barometric Pressure (in Hg)	Wind Speed (mph)	Wind Hi (mph)	Wind Dir	Wind Chill (°F)	Rain (in)	Hum (%)	Dew Point (°F)
8/15/2005	10:20 AM	84.6	84.7	84.5	673	10.3	30.048	2	4	NW	84.6	0	70	73.7
8/15/2005	10:30 AM	84.9	85.1	84.7	692	9.6	30.049	2	3	NW	84.9	0	69	73.6
8/15/2005	10:40 AM	85.5	85.8	85.1	718	11.1	30.055	2	4	NNW	85.5	0	68	73.7
8/15/2005	10:50 AM	86.0	86.3	85.8	740	10.2	30.057	1	3	NW	86	0	67	73.8
8/15/2005	11:00 AM	86.3	86.3	86.2	762	10.6	30.058	2	4	N	86.3	0	68	74.5
8/15/2005	11:10 AM	86.6	86.9	86.3	781	12.0	30.060	1	4	N	86.6	0	68	74.8
8/15/2005	11:20 AM	87.2	87.5	86.9	796	11.0	30.061	1	2	N	87.2	0	65	74.0
8/15/2005	11:30 AM	87.7	87.8	87.5	815	11.3	30.059	1	3	NNW	87.7	0	66	74.9
8/15/2005	11:40 AM	87.8	87.8	87.7	828	12.8	30.063	2	3	NNE	87.8	0	64	74.1
8/15/2005	11:50 AM	88.0	88.2	87.7	840	11.6	30.064	1	3	N	88	0	64	74.3
8/15/2005	12:00 PM	88.7	89.0	88.3	857	13.2	30.063	1	4	NE	88.7	0	64	75.0
8/15/2005	12:10 PM	89.3	89.6	89.0	870	12.0	30.064	1	4	N	89.3	0	59	73.1
8/15/2005	12:20 PM	89.5	89.6	89.4	881	12.2	30.062	1	4	SW	89.5	0	58	72.8
8/15/2005	12:30 PM	89.9	90.2	89.6	895	13.8	30.064	1	4	SSW	89.9	0	56	72.1
8/15/2005	12:40 PM	90.2	90.3	90.1	603	7.8	30.061	2	5	WN W	90.2	0	55	71.9
8/15/2005	12:50 PM	90.4	90.5	90.1	936	13.0	30.059	2	6	WN W	90.4	0	55	72.0
8/15/2005	1:00 PM	90.6	90.8	90.5	923	14.2	30.058	3	7	W	90.6	0	55	72.2
8/15/2005	1:10 PM	90.9	91.0	90.8	786	10.4	30.057	3	8	W	90.9	0	57	73.6
8/15/2005	1:20 PM	90.8	90.9	90.8	802	11.0	30.053	2	6	W	90.8	0	57	73.5
8/15/2005	1:30 PM	91.1	91.3	90.8	922	14.2	30.049	2	4	W	91.1	0	58	74.3
8/15/2005	1:40 PM	91.3	91.4	91.1	895	12.4	30.049	4	9	WS W	91.3	0	56	73.4
8/15/2005	1:50 PM	91.0	91.1	91.0	889	12.3	30.047	3	6	W	91	0	57	73.7
8/15/2005	2:00 PM	91.2	91.3	91.0	897	13.8	30.047	3	5	WN W	91.2	0	54	72.2
8/15/2005	2:10 PM	91.4	91.6	91.3	895	12.5	30.044	2	4	NNW	91.4	0	56	73.5
8/15/2005	2:20 PM	91.4	91.6	91.2	754	11.6	30.039	3	8	SW	91.4	0	56	73.5
8/15/2005	2:30 PM	91.6	91.7	91.4	883	12.2	30.037	5	9	S	91.6	0	52	71.5
8/15/2005	2:40 PM	91.8	91.9	91.7	834	11.5	30.030	4	7	S	91.8	0	52	71.7
8/15/2005	2:50 PM	91.7	91.8	91.6	804	12.1	30.026	3	8	SSW	91.7	0	53	72.2
8/15/2005	3:00 PM	92.0	92.1	91.8	814	11.3	30.021	3	7	SW	92	0	52	71.9
8/15/2005	3:10 PM	92.0	92.2	91.4	808	11.2	30.022	5	8	WN W	92	0	57	74.6
8/15/2005	3:20 PM	91.0	91.4	90.7	765	11.8	30.018	3	7	WN W	91	0	60	75.2
8/15/2005	3:30 PM	90.5	90.8	90.0	454	5.8	30.014	4	7	NNW	90.5	0	60	74.7
8/15/2005	3:40 PM	90.0	90.1	89.9	759	11.7	30.011	5	7	N	89.9	0	60	74.3
8/15/2005	3:50 PM	90.1	90.2	89.9	559	7.6	30.008	3	6	N	90.1	0	57	72.8
8/15/2005	4:00 PM	89.9	89.9	89.8	356	5.0	30.011	2	4	N	89.9	0	56	72.1
8/15/2005	4:10 PM	89.8	89.9	89.7	249	3.8	30.005	3	4	N	89.8	0	56	72.0
8/15/2005	4:20 PM	89.9	90.0	89.7	316	4.5	29.999	3	5	N	89.9	0	56	72.1
8/15/2005	4:30 PM	90.1	90.1	90.0	329	4.5	29.994	3	6	N	90.1	0	60	74.4
8/15/2005	4:40 PM	90.1	90.2	90.0	283	4.3	29.996	2	4	N	90.1	0	55	71.8
8/15/2005	4:50 PM	90.2	90.2	90.1	250	3.4	29.988	2	4	N	90.2	0	57	72.9
8/15/2005	5:00 PM	90.1	90.1	90.1	333	5.2	29.986	2	4	NNE	90.1	0	58	73.3
8/15/2005	5:10 PM	90.2	90.3	90.1	374	5.2	29.986	2	4	NNE	90.2	0	60	74.4

Date	Time	Air Temp (°F)	Hi (°F)	Low (°F)	Solar Rad (W/m <sup>2</sup> )	Solar Energy (Langleys)	Barometric Pressure (in Hg)	Wind Speed (mph)	Wind Hi (mph)	Wind Dir	Wind Chill (°F)	Rain (in)	Hum (%)	Dew Point (°F)
8/15/2005	5:20 PM	90.1	90.2	90.1	367	5.6	29.986	2	4	ENE	90.1	0	58	73.3
8/15/2005	5:30 PM	90.1	90.3	90.1	372	5.2	29.987	2	3	ENE	90.1	0	60	74.4
8/15/2005	5:40 PM	90.4	90.5	90.3	380	5.2	29.988	2	4	NNE	90.4	0	59	74.1
8/15/2005	5:50 PM	90.6	90.7	90.5	347	5.4	29.989	2	4	ENE	90.6	0	58	73.8
8/15/2005	6:00 PM	90.7	90.8	90.7	289	3.9	29.989	2	5	E	90.7	0	58	73.9
8/15/2005	6:10 PM	90.7	90.7	90.6	272	3.8	29.989	1	3	NE	90.7	0	55	72.3
8/15/2005	6:20 PM	90.6	90.7	90.5	242	3.7	29.989	2	3	ENE	90.6	0	55	72.2
8/15/2005	6:30 PM	90.4	90.5	90.2	115	1.5	29.989	1	2	ENE	90.4	0	64	76.6
8/15/2005	6:40 PM	89.3	90.2	88.0	73	1.0	29.985	1	3	ENE	89.3	0	69	77.8
8/15/2005	6:50 PM	87.2	87.9	86.5	50	0.8	29.980	0	2	ENE	87.2	0	73	77.5
8/15/2005	7:00 PM	86.0	86.5	85.6	35	0.5	29.975	0	1	ENE	86	0	78	78.3
8/15/2005	7:10 PM	85.3	85.6	85.0	18	0.3	29.970	0	1	ENE	85.3	0	80	78.4
8/15/2005	7:20 PM	84.7	85.0	84.4	7	0.1	29.969	0	1	ENE	84.7	0	79	77.5
8/15/2005	7:30 PM	84.1	84.4	83.7	9	0.1	29.971	1	3	S	84.1	0	82	78.0
8/15/2005	7:40 PM	83.4	83.7	83.2	0	0.0	29.972	1	2	S	83.4	0	82	77.3
8/15/2005	7:50 PM	83.0	83.3	82.7	0	0.0	29.971	1	3	S	83	0	85	78.0
8/15/2005	8:00 PM	82.5	82.7	82.3	0	0.0	29.971	1	2	S	82.5	0	82	76.5
8/15/2005	8:10 PM	82.1	82.3	82.1	0	0.0	29.973	1	2	S	82.1	0	81	75.7
8/15/2005	8:20 PM	82.0	82.1	81.8	0	0.0	29.975	1	2	S	82	0	80	75.2
8/15/2005	8:30 PM	81.7	81.8	81.6	0	0.0	29.976	0	1	S	81.7	0	83	76.0
8/15/2005	8:40 PM	81.5	81.6	81.4	0	0.0	29.976	1	1	S	81.5	0	82	75.5
8/15/2005	8:50 PM	81.3	81.4	81.3	0	0.0	29.982	0	1	S	81.3	0	83	75.6
8/15/2005	9:00 PM	81.1	81.3	81.0	0	0.0	29.984	0	0	---	81.1	0	86	76.5
8/15/2005	9:10 PM	80.9	81.0	80.8	0	0.0	29.985	0	1	---	80.9	0	87	76.7
8/15/2005	9:20 PM	80.6	80.8	80.5	0	0.0	29.987	0	1	S	80.6	0	87	76.4
8/15/2005	9:30 PM	80.5	80.5	80.4	0	0.0	29.997	0	1	S	80.5	0	87	76.3
8/15/2005	9:40 PM	80.7	81.5	80.5	0	0.0	29.995	2	7	N	80.7	0	83	75.1
8/15/2005	9:50 PM	82.4	82.8	81.6	0	0.0	29.995	2	4	NE	82.4	0	81	76.0
8/15/2005	10:00 PM	82.8	82.9	82.5	0	0.0	29.997	1	3	NE	82.8	0	82	76.7
8/15/2005	10:10 PM	82.2	82.5	81.8	0	0.0	29.996	1	3	NE	82.2	0	83	76.5
8/15/2005	10:20 PM	81.4	81.7	81.0	0	0.0	29.995	0	2	SSE	81.4	0	84	76.1
8/15/2005	10:30 PM	80.8	81.0	80.6	0	0.0	29.995	1	2	SSE	80.8	0	88	76.9
8/15/2005	10:40 PM	80.8	80.9	80.6	0	0.0	29.991	0	2	SSE	80.8	0	85	75.9
8/15/2005	10:50 PM	80.7	80.8	80.5	0	0.0	29.990	0	2	SSE	80.7	0	85	75.8
8/15/2005	11:00 PM	80.4	80.5	80.3	0	0.0	29.989	1	2	SSE	80.4	0	88	76.5
8/15/2005	11:10 PM	80.1	80.3	79.9	0	0.0	29.986	0	2	SSE	80.1	0	86	75.5
8/15/2005	11:20 PM	79.7	80.0	79.5	0	0.0	29.982	1	2	SSE	79.7	0	87	75.5
8/15/2005	11:30 PM	79.3	79.5	79.2	0	0.0	29.981	1	1	SSE	79.3	0	87	75.1
8/15/2005	11:40 PM	79.0	79.2	78.9	0	0.0	29.979	1	2	SSE	79	0	87	74.8
8/15/2005	11:50 PM	78.6	78.9	78.5	0	0.0	29.977	2	3	SSE	78.6	0	89	75.1
8/16/2005	12:00 AM	78.4	78.5	78.4	0	0.0	29.977	0	1	SSE	78.4	0	89	74.9
8/16/2005	12:10 AM	78.4	78.4	78.3	0	0.0	29.974	0	1	SSE	78.4	0	89	74.9
8/16/2005	12:20 AM	78.3	78.4	78.1	0	0.0	29.974	0	1	SSE	78.3	0	90	75.1
8/16/2005	12:30 AM	78.1	78.2	78.1	0	0.0	29.975	1	2	SSE	78.1	0	91	75.3
8/16/2005	12:40 AM	78.1	78.1	78.0	0	0.0	29.972	0	1	SSE	78.1	0	91	75.3
8/16/2005	12:50 AM	77.8	78.0	77.6	0	0.0	29.972	1	3	SSE	77.8	0	90	74.6
8/16/2005	1:00 AM	78.1	78.7	77.6	0	0.0	29.970	4	8	S	78.1	0	84	72.9



Date	Time	Air Temp (°F)	Hi (°F)	Low (°F)	Solar Rad (W/m <sup>2</sup> )	Solar Energy (Langleys)	Barometric Pressure (in Hg)	Wind Speed (mph)	Wind Hi (mph)	Wind Dir	Wind Chill (°F)	Rain (in)	Hum (%)	Dew Point (°F)
8/16/2005	1:10 AM	79.0	79.1	78.7	0	0.0	29.970	6	9	SSW	77.9	0	82	73.0
8/16/2005	1:20 AM	79.0	79.1	78.8	0	0.0	29.969	4	8	SSW	79	0	81	72.7
8/16/2005	1:30 AM	78.7	78.9	78.5	0	0.0	29.970	3	6	SW	78.7	0	81	72.4
8/16/2005	1:40 AM	78.3	78.5	78.2	0	0.0	29.967	2	5	SW	78.3	0	80	71.6
8/16/2005	1:50 AM	78.1	78.2	78.0	0	0.0	29.968	3	7	SW	78.1	0	80	71.4
8/16/2005	2:00 AM	77.8	78.0	77.6	0	0.0	29.970	3	6	SW	77.8	0	81	71.5
8/16/2005	2:10 AM	77.5	77.7	77.4	0	0.0	29.965	1	4	WS W	77.5	0	82	71.6
8/16/2005	2:20 AM	77.3	77.4	77.2	0	0.0	29.965	1	4	W	77.3	0	82	71.4
8/16/2005	2:30 AM	77.3	77.3	77.2	0	0.0	29.961	2	5	W	77.3	0	82	71.4
8/16/2005	2:40 AM	77.2	77.3	77.0	0	0.0	29.961	1	4	WS W	77.2	0	81	70.9
8/16/2005	2:50 AM	76.9	77.0	76.8	0	0.0	29.956	2	4	W	76.9	0	82	71.0
8/16/2005	3:00 AM	76.8	76.9	76.7	0	0.0	29.950	1	4	W	76.8	0	82	70.9
8/16/2005	3:10 AM	76.8	76.9	76.7	0	0.0	29.946	1	3	W	76.8	0	82	70.9
8/16/2005	3:20 AM	76.9	77.0	76.8	0	0.0	29.942	3	6	WN W	76.9	0	81	70.6
8/16/2005	3:30 AM	77.1	77.2	77.0	0	0.0	29.939	3	6	WN W	77.1	0	82	71.2
8/16/2005	3:40 AM	77.4	77.5	77.2	0	0.0	29.942	3	6	WN W	77.4	0	82	71.5
8/16/2005	3:50 AM	77.6	77.7	77.5	0	0.0	29.940	4	6	N	77.6	0	80	70.9
8/16/2005	4:00 AM	77.4	77.6	77.3	0	0.0	29.942	3	6	N	77.4	0	80	70.8
8/16/2005	4:10 AM	77.2	77.3	77.2	0	0.0	29.938	2	5	N	77.2	0	80	70.6
8/16/2005	4:20 AM	77.2	77.2	77.2	0	0.0	29.946	2	5	NNW	77.2	0	81	70.9
8/16/2005	4:30 AM	76.9	77.2	76.7	0	0.0	29.941	3	5	W	76.9	0	82	71.0
8/16/2005	4:40 AM	76.6	76.7	76.5	0	0.0	29.935	1	4	WN W	76.6	0	81	70.3
8/16/2005	4:50 AM	76.3	76.5	76.2	0	0.0	29.933	1	4	W	76.3	0	83	70.8
8/16/2005	5:00 AM	76.1	76.2	75.9	0	0.0	29.940	1	4	WS W	76.1	0	82	70.2
8/16/2005	5:10 AM	75.7	75.9	75.4	0	0.0	29.944	2	5	SW	75.7	0	84	70.5
8/16/2005	5:20 AM	75.2	75.4	74.9	0	0.0	29.948	2	4	SSW	75.2	0	85	70.4
8/16/2005	5:30 AM	74.5	74.9	74.2	0	0.0	29.950	2	5	S	74.5	0	87	70.4
8/16/2005	5:40 AM	74.1	74.2	74.1	0	0.0	29.950	1	4	SW	74.1	0	86	69.6
8/16/2005	5:50 AM	74.1	74.2	74.1	0	0.0	29.948	1	3	SW	74.1	0	87	70.0
8/16/2005	6:00 AM	74.0	74.1	73.9	0	0.0	29.951	2	4	SW	74	0	87	69.9
8/16/2005	6:10 AM	73.9	74.0	73.9	0	0.0	29.951	2	4	WS W	73.9	0	87	69.8
8/16/2005	6:20 AM	73.9	74.0	73.9	0	0.0	29.960	1	3	SW	73.9	0	87	69.8
8/16/2005	6:30 AM	73.9	74.0	73.9	0	0.0	29.962	1	4	SW	73.9	0	87	69.8
8/16/2005	6:40 AM	74.2	74.3	74.0	10	0.2	29.970	2	5	WS W	74.2	0	86	69.7
8/16/2005	6:50 AM	74.4	74.4	74.3	44	0.6	29.970	1	3	WS W	74.4	0	86	69.9
8/16/2005	7:00 AM	74.6	74.7	74.4	66	0.9	29.974	1	4	WS W	74.6	0	85	69.8
8/16/2005	7:10 AM	74.8	75.0	74.7	95	1.5	29.976	1	3	WS W	74.8	0	85	70.0

Date	Time	Air Temp (°F)	Hi (°F)	Low (°F)	Solar Rad (W/m <sup>2</sup> )	Solar Energy (Langley's)	Barometric Pressure (in Hg)	Wind Speed (mph)	Wind Hi (mph)	Wind Dir	Wind Chill (°F)	Rain (in)	Hum (%)	Dew Point (°F)
8/16/2005	7:20 AM	75.3	75.5	75.0	123	1.7	29.979	1	4	WS	75.3	0	84	70.1
8/16/2005	7:30 AM	75.6	75.7	75.5	154	2.1	29.985	2	6	W	75.6	0	83	70.1
8/16/2005	7:40 AM	75.6	75.6	75.6	184	2.9	29.987	2	4	WS	75.6	0	83	70.1
8/16/2005	7:50 AM	75.8	76.2	75.6	217	3.0	29.992	1	4	W	75.8	0	82	69.9
8/16/2005	8:00 AM	76.3	76.5	76.2	251	3.9	29.993	2	5	W	76.3	0	83	70.8
8/16/2005	8:10 AM	76.8	77.0	76.5	285	3.9	29.994	3	6	WS	76.8	0	82	70.9
8/16/2005	8:20 AM	77.1	77.3	77.0	317	4.4	29.998	3	7	W	77.1	0	81	70.8
8/16/2005	8:30 AM	77.4	77.6	77.3	352	5.4	29.998	3	6	WN	77.4	0	80	70.8
8/16/2005	8:40 AM	77.8	78.0	77.5	385	5.4	29.998	3	6	W	77.8	0	81	71.5
8/16/2005	8:50 AM	78.1	78.4	77.9	419	5.8	30.002	3	4	NW	78.1	0	80	71.4
8/16/2005	9:00 AM	78.5	78.7	78.4	453	7.0	29.999	3	5	WN	78.5	0	80	71.8
8/16/2005	9:10 AM	79.0	79.4	78.8	487	6.7	30.004	3	5	W	79	0	78	71.6
8/16/2005	9:20 AM	79.7	80.1	79.4	518	7.2	30.005	2	4	NW	79.7	0	76	71.5
8/16/2005	9:30 AM	80.5	80.8	80.1	547	8.4	30.007	3	5	NW	80.5	0	74	71.5
8/16/2005	9:40 AM	81.1	81.3	80.8	579	8.0	30.010	1	4	NW	81.1	0	74	72.0
8/16/2005	9:50 AM	81.7	82.0	81.3	608	9.4	30.013	2	4	WN	81.7	0	72	71.8
8/16/2005	10:00 AM	82.2	82.4	82.0	638	8.8	30.016	2	4	W	82.2	0	71	71.9
8/16/2005	10:10 AM	82.6	82.9	82.4	673	9.3	30.018	1	3	NW	82.6	0	72	72.7
8/16/2005	10:20 AM	83.1	83.2	82.9	709	10.9	30.020	1	3	W	83.1	0	71	72.7
8/16/2005	10:30 AM	83.5	84.0	83.2	734	10.2	30.022	0	2	NW	83.5	0	69	72.3
8/16/2005	10:40 AM	84.2	84.3	84.0	677	10.6	30.027	1	2	NW	84.2	0	68	72.5
8/16/2005	10:50 AM	84.5	84.8	84.2	763	10.5	30.027	0	2	WN	84.5	0	68	72.8
8/16/2005	11:00 AM	84.8	84.9	84.6	779	10.8	30.029	2	3	W	84.8	0	70	73.9
8/16/2005	11:10 AM	84.9	85.0	84.7	795	11.0	30.031	2	4	N	84.9	0	67	72.7
8/16/2005	11:20 AM	85.1	85.2	85.0	811	12.5	30.031	2	5	NNE	85.1	0	66	72.5
8/16/2005	11:30 AM	85.7	86.0	85.2	825	11.4	30.033	2	4	N	85.7	0	66	73.0
8/16/2005	11:40 AM	86.1	86.3	86.0	840	12.9	30.032	2	4	NE	86.1	0	65	73.0
8/16/2005	11:50 AM	86.5	86.7	86.3	853	11.9	30.034	1	3	N	86.5	0	64	72.9
8/16/2005	12:00 PM	86.9	87.1	86.7	866	11.9	30.032	1	3	N	86.9	0	63	72.8
8/16/2005	12:10 PM	87.3	87.5	87.1	875	13.5	30.034	2	4	NW	87.3	0	61	72.2
8/16/2005	12:20 PM	87.8	88.0	87.5	882	12.2	30.034	1	3	NW	87.8	0	62	73.2
8/16/2005	12:30 PM	88.3	88.5	88.0	889	13.7	30.032	1	4	NW	88.3	0	60	72.7
8/16/2005	12:40 PM	88.3	88.5	88.3	894	12.4	30.036	2	4	N	88.3	0	63	74.1
8/16/2005	12:50 PM	88.8	89.0	88.4	898	12.4	30.034	2	4	N	88.8	0	60	73.1
8/16/2005	1:00 PM	89.1	89.3	88.9	903	13.9	30.034	2	4	NNE	89.1	0	59	72.9
8/16/2005	1:10 PM	89.5	89.9	89.3	907	12.6	30.030	2	4	N	89.5	0	58	72.8
8/16/2005	1:20 PM	90.3	90.5	89.9	898	13.8	30.029	2	4	NNW	90.3	0	57	73.0
8/16/2005	1:30 PM	90.6	90.7	90.5	902	12.5	30.027	2	3	N	90.6	0	52	70.6
8/16/2005	1:40 PM	90.9	91.5	90.6	914	12.6	30.023	0	2	NW	90.9	0	56	73.0

Date	Time	Air Temp (°F)	Hi (°F)	Low (°F)	Solar Rad (W/m <sup>2</sup> )	Solar Energy (Langleys)	Barometric Pressure (in Hg)	Wind Speed (mph)	Wind Hi (mph)	Wind Dir	Wind Chill (°F)	Rain (in)	Hum (%)	Dew Point (°F)
8/16/2005	1:50 PM	91.6	91.7	91.4	915	14.1	30.025	2	11	SSW	91.6	0	51	70.9
8/16/2005	2:00 PM	91.6	91.7	91.5	894	12.4	30.020	3	6	WNW	91.6	0	50	70.3
8/16/2005	2:10 PM	91.6	91.7	91.5	870	12.0	30.013	3	7	W	91.6	0	53	72.1
8/16/2005	2:20 PM	91.1	91.7	90.8	567	8.2	30.002	3	9	S	91.1	0	54	72.2
8/16/2005	2:30 PM	91.2	91.3	90.9	841	11.6	29.995	3	5	SW	91.2	0	54	72.2
8/16/2005	2:40 PM	91.6	91.8	91.3	832	11.6	29.991	2	6	SSW	91.6	0	53	72.1
8/16/2005	2:50 PM	91.8	91.9	91.7	811	12.4	29.989	2	7	W	91.8	0	53	72.2
8/16/2005	3:00 PM	91.9	92.0	91.8	793	10.9	29.985	3	7	WSW	91.9	0	49	70.0
8/16/2005	3:10 PM	92.0	92.0	91.9	721	9.8	29.980	4	7	WSW	92	0	49	70.1
8/16/2005	3:20 PM	92.0	92.2	91.9	735	11.4	29.974	3	6	S	92	0	51	71.3
8/16/2005	3:30 PM	91.8	92.0	91.7	695	9.6	29.966	4	9	SSW	91.8	0	53	72.2
8/16/2005	3:40 PM	91.9	92.0	91.9	679	10.5	29.959	4	10	SSW	91.9	0	51	71.2
8/16/2005	3:50 PM	91.9	92.0	91.8	664	9.2	29.959	5	9	SW	91.9	0	51	71.2
8/16/2005	4:00 PM	91.8	91.9	91.7	627	8.6	29.957	5	8	WSW	91.8	0	50	70.5
8/16/2005	4:10 PM	91.7	91.8	91.7	602	9.3	29.957	4	7	SW	91.7	0	50	70.4
8/16/2005	4:20 PM	91.8	92.0	91.7	564	7.8	29.959	3	7	WSW	91.8	0	48	69.3
8/16/2005	4:30 PM	91.9	92.0	91.8	546	8.4	29.962	4	7	SSW	91.9	0	46	68.2
8/16/2005	4:40 PM	91.9	91.9	91.8	519	7.2	29.965	3	7	SW	91.9	0	47	68.8
8/16/2005	4:50 PM	91.9	91.9	91.8	480	6.6	29.970	3	6	SW	91.9	0	53	72.3
8/16/2005	5:00 PM	91.6	91.9	91.4	461	7.1	29.965	5	7	SSW	91.6	0	53	72.1
8/16/2005	5:10 PM	91.4	91.5	91.3	430	6.0	29.965	4	8	S	91.4	0	51	70.7
8/16/2005	5:20 PM	91.3	91.4	91.3	389	5.4	29.962	4	7	SSW	91.3	0	49	69.5
8/16/2005	5:30 PM	91.2	91.3	91.1	305	4.7	29.965	2	7	SSW	91.2	0	52	71.1
8/16/2005	5:40 PM	90.9	91.1	90.8	294	4.1	29.965	2	4	SSW	90.9	0	54	72.0
8/16/2005	5:50 PM	90.9	91.0	90.7	290	4.4	29.965	3	5	WSW	90.9	0	55	72.5
8/16/2005	6:00 PM	90.3	90.7	90.1	253	3.5	29.961	2	4	NW	90.3	0	55	72.0
8/16/2005	6:10 PM	90.0	90.1	89.9	223	3.1	29.957	1	3	NNW	90	0	56	72.2
8/16/2005	6:20 PM	90.0	90.1	89.9	192	2.9	29.958	0	3	NNW	90	0	60	74.3
8/16/2005	6:30 PM	89.7	90.1	89.5	144	2.0	29.957	1	3	ESE	89.7	0	59	73.5
8/16/2005	6:40 PM	89.2	89.6	88.9	125	1.6	29.957	1	2	SE	89.2	0	67	76.8
8/16/2005	6:50 PM	88.5	88.9	88.1	103	1.6	29.953	1	2	SE	88.5	0	69	77.0
8/16/2005	7:00 PM	87.6	88.1	87.0	75	1.1	29.950	1	2	SE	87.6	0	71	77.0
8/16/2005	7:10 PM	86.6	87.1	86.1	40	0.6	29.950	0	1	SE	86.6	0	74	77.3
8/16/2005	7:20 PM	85.5	86.1	84.9	2	0.0	29.948	1	1	SE	85.5	0	75	76.7
8/16/2005	7:30 PM	84.4	84.9	84.0	0	0.0	29.947	1	2	SE	84.4	0	79	77.2
8/16/2005	7:40 PM	83.6	84.0	83.3	0	0.0	29.941	1	2	SE	83.6	0	83	77.9
8/16/2005	7:50 PM	82.9	83.3	82.4	0	0.0	29.939	1	2	SE	82.9	0	83	77.2
8/16/2005	8:00 PM	82.2	82.4	82.0	0	0.0	29.937	1	2	SE	82.2	0	83	76.5
8/16/2005	8:10 PM	81.8	82.0	81.7	0	0.0	29.936	0	2	SE	81.8	0	83	76.1
8/16/2005	8:20 PM	81.6	81.7	81.4	0	0.0	29.933	0	1	SE	81.6	0	84	76.3
8/16/2005	8:30 PM	81.4	81.5	81.3	0	0.0	29.928	0	1	SE	81.4	0	83	75.7
8/16/2005	8:40 PM	81.3	81.3	81.2	0	0.0	29.928	0	1	SE	81.3	0	84	76.0

Date	Time	Air Temp (°F)	Hi (°F)	Low (°F)	Solar Rad (W/m <sup>2</sup> )	Solar Energy (Langley)	Barometric Pressure (in Hg)	Wind Speed (mph)	Wind Hi (mph)	Wind Dir	Wind Chill (°F)	Rain (in)	Hum (%)	Dew Point (°F)
8/16/2005	8:50 PM	81.1	81.2	80.9	0	0.0	29.927	1	2	SE	81.1	0	84	75.8
8/16/2005	9:00 PM	80.8	80.9	80.6	0	0.0	29.926	1	2	SE	80.8	0	85	75.9
8/16/2005	9:10 PM	80.4	80.6	80.2	0	0.0	29.929	0	2	SE	80.4	0	85	75.5
8/16/2005	9:20 PM	80.1	80.2	80.1	0	0.0	29.932	0	0	---	80.1	0	87	75.9
8/16/2005	9:30 PM	80.0	80.1	79.9	0	0.0	29.934	0	0	---	80	0	87	75.8
8/16/2005	9:40 PM	79.9	79.9	79.8	0	0.0	29.932	0	0	---	79.9	0	86	75.3
8/16/2005	9:50 PM	79.9	79.9	79.9	0	0.0	29.929	0	0	---	79.9	0	86	75.3
8/16/2005	10:00 PM	79.9	79.9	79.8	0	0.0	29.928	0	1	SE	79.9	0	86	75.3
8/16/2005	10:10 PM	79.8	79.9	79.6	0	0.0	29.927	0	0	---	79.8	0	87	75.6
8/16/2005	10:20 PM	79.6	79.7	79.5	0	0.0	29.927	0	1	SE	79.6	0	88	75.7
8/16/2005	10:30 PM	79.5	79.5	79.4	0	0.0	29.926	0	1	SE	79.5	0	89	76.0
8/16/2005	10:40 PM	79.4	79.4	79.2	0	0.0	29.921	0	1	---	79.4	0	88	75.5
8/16/2005	10:50 PM	79.2	79.2	79.0	0	0.0	29.921	0	1	SE	79.2	0	87	75.0
8/16/2005	11:00 PM	78.8	79.0	78.7	0	0.0	29.921	1	2	SE	78.8	0	88	74.9
8/16/2005	11:10 PM	78.5	78.7	78.4	0	0.0	29.919	0	1	---	78.5	0	88	74.7
8/16/2005	11:20 PM	78.4	78.4	78.3	0	0.0	29.921	0	1	SE	78.4	0	89	74.9
8/16/2005	11:30 PM	78.2	78.3	78.1	0	0.0	29.917	0	1	SE	78.2	0	88	74.4
8/16/2005	11:40 PM	78.1	78.1	78.0	0	0.0	29.914	1	2	SE	78.1	0	88	74.3
8/16/2005	11:50 PM	78.0	78.1	77.9	0	0.0	29.914	0	2	SE	78	0	89	74.5
8/17/2005	12:00 AM	78.2	78.2	78.1	0	0.0	29.912	0	2	SE	78.2	0	87	74.0
8/17/2005	12:10 AM	78.1	78.2	78.0	0	0.0	29.910	0	1	SE	78.1	0	88	74.3
8/17/2005	12:20 AM	77.8	78.1	77.6	0	0.0	29.905	1	3	SE	77.8	0	88	74.0
8/17/2005	12:30 AM	77.4	77.5	77.3	0	0.0	29.903	0	2	SE	77.4	0	89	73.9
8/17/2005	12:40 AM	77.2	77.3	77.2	0	0.0	29.902	0	1	SE	77.2	0	90	74.0
8/17/2005	12:50 AM	77.2	77.2	77.1	0	0.0	29.900	1	2	SE	77.2	0	90	74.0
8/17/2005	1:00 AM	77.0	77.1	77.0	0	0.0	29.901	2	3	ESE	77	0	90	73.8
8/17/2005	1:10 AM	77.0	77.2	77.0	0	0.0	29.897	2	3	ESE	77	0	89	73.5
8/17/2005	1:20 AM	77.4	77.4	77.2	0	0.0	29.897	1	2	ESE	77.4	0	89	73.9
8/17/2005	1:30 AM	77.3	77.4	77.2	0	0.0	29.896	1	3	ESE	77.3	0	90	74.1
8/17/2005	1:40 AM	77.2	77.2	77.1	0	0.0	29.899	0	2	ESE	77.2	0	89	73.7
8/17/2005	1:50 AM	77.1	77.2	77.1	0	0.0	29.897	1	3	ESE	77.1	0	90	73.9
8/17/2005	2:00 AM	77.1	77.1	77.1	0	0.0	29.892	0	1	ESE	77.1	0	89	73.6
8/17/2005	2:10 AM	77.1	77.1	77.0	0	0.0	29.890	0	3	SE	77.1	0	90	73.9
8/17/2005	2:20 AM	77.3	77.4	77.1	0	0.0	29.891	1	3	SSE	77.3	0	90	74.1
8/17/2005	2:30 AM	77.2	77.3	77.2	0	0.0	29.887	2	4	SSE	77.2	0	91	74.4
8/17/2005	2:40 AM	77.4	77.5	77.2	0	0.0	29.885	2	4	SSE	77.4	0	89	73.9
8/17/2005	2:50 AM	77.4	77.5	77.3	0	0.0	29.883	2	5	SSE	77.4	0	89	73.9
8/17/2005	3:00 AM	77.3	77.4	77.3	0	0.0	29.880	2	5	SSE	77.3	0	88	73.5
8/17/2005	3:10 AM	77.2	77.3	77.1	0	0.0	29.881	2	3	SSE	77.2	0	88	73.4
8/17/2005	3:20 AM	77.1	77.2	77.0	0	0.0	29.882	1	3	SSE	77.1	0	89	73.6
8/17/2005	3:30 AM	77.0	77.1	76.9	0	0.0	29.879	1	3	SSE	77	0	88	73.2
8/17/2005	3:40 AM	76.8	76.9	76.7	0	0.0	29.879	2	4	SSE	76.8	0	89	73.3
8/17/2005	3:50 AM	76.7	76.7	76.6	0	0.0	29.878	1	3	SSE	76.7	0	89	73.2
8/17/2005	4:00 AM	76.4	76.6	76.1	0	0.0	29.874	1	2	SSE	76.4	0	90	73.3
8/17/2005	4:10 AM	76.1	76.2	76.1	0	0.0	29.874	2	3	SSE	76.1	0	91	73.3
8/17/2005	4:20 AM	76.2	76.3	76.1	0	0.0	29.871	1	2	SSE	76.2	0	90	73.1
8/17/2005	4:30 AM	76.2	76.3	76.1	0	0.0	29.872	2	3	SSE	76.2	0	91	73.4



Date	Time	Air Temp (°F)	Hi (°F)	Low (°F)	Solar Rad (W/m <sup>2</sup> )	Solar Energy (Langleys)	Barometric Pressure (in Hg)	Wind Speed (mph)	Wind Hi (mph)	Wind Dir	Wind Chill (°F)	Rain (in)	Hum (%)	Dew Point (°F)
8/17/2005	4:40 AM	76.1	76.1	76.0	0	0.0	29.873	2	3	SSE	76.1	0	90	73.0
8/17/2005	4:50 AM	75.9	76.0	75.9	0	0.0	29.870	1	3	SSE	75.9	0	90	72.8
8/17/2005	5:00 AM	75.9	76.0	75.8	0	0.0	29.872	2	3	SSE	75.9	0	91	73.1
8/17/2005	5:10 AM	75.7	75.8	75.7	0	0.0	29.872	1	3	SSE	75.7	0	90	72.6
8/17/2005	5:20 AM	75.7	75.8	75.6	0	0.0	29.871	1	2	SSE	75.7	0	91	72.9
8/17/2005	5:30 AM	75.6	75.7	75.6	0	0.0	29.873	1	2	SSE	75.6	0	91	72.8
8/17/2005	5:40 AM	75.6	75.7	75.6	0	0.0	29.879	1	3	SSE	75.6	0	91	72.8
8/17/2005	5:50 AM	75.8	75.9	75.7	0	0.0	29.883	2	5	S	75.8	0	90	72.7
8/17/2005	6:00 AM	76.0	76.0	75.9	0	0.0	29.882	2	5	SSW	76	0	89	72.5
8/17/2005	6:10 AM	75.9	76.0	75.8	0	0.0	29.882	1	3	S	75.9	0	89	72.4
8/17/2005	6:20 AM	75.7	75.8	75.7	0	0.0	29.882	0	1	S	75.7	0	90	72.6
8/17/2005	6:30 AM	75.7	75.7	75.6	0	0.0	29.885	0	1	S	75.7	0	89	72.2
8/17/2005	6:40 AM	75.5	75.6	75.4	29	0.4	29.886	1	2	S	75.5	0	91	72.7
8/17/2005	6:50 AM	75.4	75.6	75.4	58	0.9	29.888	0	1	SE	75.4	0	90	72.3
8/17/2005	7:00 AM	75.7	76.0	75.5	89	1.2	29.884	1	2	SE	75.7	0	88	71.9
8/17/2005	7:10 AM	76.2	76.4	76.0	123	1.9	29.883	1	2	SE	76.2	0	88	72.4
8/17/2005	7:20 AM	76.6	76.9	76.4	153	2.1	29.886	1	2	SE	76.6	0	86	72.1
8/17/2005	7:30 AM	77.2	77.5	76.9	176	2.5	29.888	1	2	SE	77.2	0	85	72.3
8/17/2005	7:40 AM	77.8	78.1	77.4	197	3.0	29.892	1	2	SE	77.8	0	82	71.9
8/17/2005	7:50 AM	78.4	78.6	78.1	223	3.1	29.890	1	2	SW	78.4	0	81	72.1
8/17/2005	8:00 AM	78.9	79.1	78.6	250	3.9	29.893	1	3	SSW	78.9	0	80	72.2
8/17/2005	8:10 AM	79.3	79.5	79.1	285	3.9	29.895	1	3	WS W	79.3	0	78	71.9
8/17/2005	8:20 AM	79.7	80.0	79.5	316	4.4	29.900	1	4	W	79.7	0	77	71.9
8/17/2005	8:30 AM	80.4	80.6	80.0	353	5.5	29.903	1	4	S	80.4	0	77	72.5
8/17/2005	8:40 AM	80.7	80.9	80.6	386	5.3	29.903	1	3	S	80.7	0	76	72.4
8/17/2005	8:50 AM	81.2	81.5	80.9	421	5.8	29.903	0	2	W	81.2	0	74	72.1
8/17/2005	9:00 AM	81.8	82.1	81.4	457	7.1	29.907	0	2	NW	81.8	0	73	72.3
8/17/2005	9:10 AM	82.4	82.6	82.1	493	6.8	29.911	1	2	N	82.4	0	75	73.7
8/17/2005	9:20 AM	82.9	83.0	82.6	533	7.4	29.910	1	3	N	82.9	0	73	73.4
8/17/2005	9:30 AM	82.8	82.9	82.7	560	8.6	29.916	2	4	NE	82.8	0	74	73.7
8/17/2005	9:40 AM	83.0	83.3	82.9	580	8.0	29.917	1	3	NNW	83	0	70	72.2
8/17/2005	9:50 AM	83.6	83.9	83.3	609	8.4	29.922	1	3	N	83.6	0	70	72.8
8/17/2005	10:00 AM	84.0	84.1	83.9	550	8.6	29.924	1	3	NNW	84	0	71	73.6
8/17/2005	10:10 AM	84.4	84.7	84.1	595	8.2	29.926	1	3	N	84.4	0	71	74.0
8/17/2005	10:20 AM	84.9	85.2	84.7	648	10.0	29.927	1	3	NW	84.9	0	72	74.9
8/17/2005	10:30 AM	85.5	85.7	85.2	699	9.7	29.932	2	3	NW	85.5	0	70	74.6
8/17/2005	10:40 AM	86.1	86.6	85.7	727	10.0	29.934	1	3	NW	86.1	0	67	73.9
8/17/2005	10:50 AM	87.2	87.5	86.6	757	11.7	29.936	2	5	NW	87.2	0	66	74.5
8/17/2005	11:00 AM	87.6	88.0	87.4	782	10.8	29.934	2	4	NNW	87.6	0	65	74.4
8/17/2005	11:10 AM	88.2	88.6	87.9	802	11.1	29.937	2	4	NNW	88.2	0	62	73.5
8/17/2005	11:20 AM	88.6	88.8	88.4	812	12.5	29.936	1	4	NNW	88.6	0	60	72.9
8/17/2005	11:30 AM	88.9	89.1	88.7	823	11.4	29.937	2	3	N	88.9	0	59	72.7
8/17/2005	11:40 AM	89.1	89.3	89.0	837	12.8	29.939	3	5	N	89.1	0	60	73.4
8/17/2005	11:50 AM	89.5	89.9	89.2	851	11.8	29.941	2	5	NNE	89.5	0	57	72.3
8/17/2005	12:00 PM	90.0	90.1	89.9	865	12.0	29.944	4	6	WN W	90	0	56	72.2
8/17/2005	12:10 PM	90.2	90.4	90.1	494	8.1	29.941	2	6	SW	90.2	0	57	72.9

Date	Time	Air Temp (°F)	Hi (°F)	Low (°F)	Solar Rad (W/m <sup>2</sup> )	Solar Energy (Langleys)	Barometric Pressure (in Hg)	Wind Speed (mph)	Wind Hi (mph)	Wind Dir	Wind Chill (°F)	Rain (in)	Hum (%)	Dew Point (°F)
8/17/2005	12:20 PM	89.9	90.2	89.7	327	4.3	29.934	2	4	SW	89.9	0	55	71.6
8/17/2005	12:30 PM	90.2	90.8	89.7	870	13.7	29.925	2	6	SW	90.2	0	50	69.1
8/17/2005	12:40 PM	91.1	91.4	90.8	932	12.9	29.926	4	8	S	91.1	0	52	71.0
8/17/2005	12:50 PM	91.8	92.0	91.4	946	13.1	29.926	4	8	WS W	91.8	0	48	69.3
8/17/2005	1:00 PM	91.9	92.0	91.8	918	14.7	29.926	4	13	SSW	91.9	0	50	70.6
8/17/2005	1:10 PM	91.7	92.0	91.6	971	13.4	29.924	6	11	S	91.7	0	50	70.4
8/17/2005	1:20 PM	91.7	91.8	91.6	957	13.3	29.919	4	9	SSW	91.7	0	50	70.4
8/17/2005	1:30 PM	91.9	92.5	91.6	582	8.9	29.921	2	6	S	91.9	0.01	50	70.6



## Stage Data

Figure A-1  
 Graph of Stage Data  
 Tenn-Tom Waterway Water Quality Study  
 Columbus, Mississippi  
 August 2005

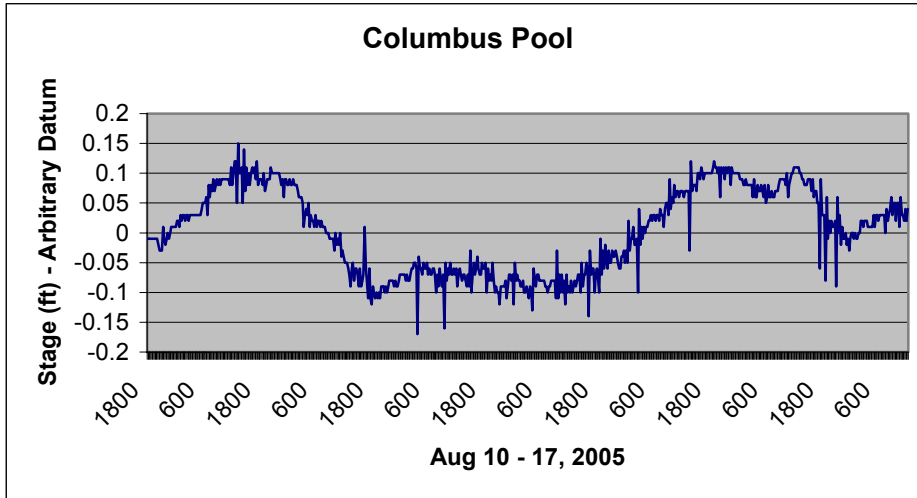


Table A-2  
 Stage Data from Columbus Pool  
 Tenn-Tom Waterway Water Quality Study  
 Columbus, Mississippi  
 August 2005

Station	Date	Time	Level	Stage
		hh:mm	(ft)	(ft)
TTOM	8/10/2005	1745	7.74	-0.02
TTOM	8/10/2005	1800	7.75	-0.01
TTOM	8/10/2005	1815	7.75	-0.01
TTOM	8/10/2005	1830	7.75	-0.01
TTOM	8/10/2005	1845	7.75	-0.01
TTOM	8/10/2005	1900	7.75	-0.01
TTOM	8/10/2005	1915	7.75	-0.01
TTOM	8/10/2005	1930	7.75	-0.01
TTOM	8/10/2005	1945	7.75	-0.01
TTOM	8/10/2005	2000	7.75	-0.01
TTOM	8/10/2005	2015	7.74	-0.02
TTOM	8/10/2005	2030	7.73	-0.03
TTOM	8/10/2005	2045	7.73	-0.03
TTOM	8/10/2005	2100	7.73	-0.03
TTOM	8/10/2005	2115	7.77	0.01
TTOM	8/10/2005	2130	7.75	-0.01
TTOM	8/10/2005	2145	7.74	-0.02

Station	Date	Time	Level	Stage
		hh:mm	(ft)	(ft)
TTOM	8/10/2005	2200	7.75	-0.01
TTOM	8/10/2005	2215	7.76	0
TTOM	8/10/2005	2230	7.75	-0.01
TTOM	8/10/2005	2245	7.76	0
TTOM	8/10/2005	2300	7.77	0.01
TTOM	8/10/2005	2315	7.77	0.01
TTOM	8/10/2005	2330	7.77	0.01
TTOM	8/10/2005	2345	7.77	0.01
TTOM	8/11/2005	0	7.77	0.01
TTOM	8/11/2005	15	7.78	0.02
TTOM	8/11/2005	30	7.78	0.02
TTOM	8/11/2005	45	7.77	0.01
TTOM	8/11/2005	100	7.79	0.03
TTOM	8/11/2005	115	7.78	0.02
TTOM	8/11/2005	130	7.79	0.03
TTOM	8/11/2005	145	7.79	0.03
TTOM	8/11/2005	200	7.78	0.02
TTOM	8/11/2005	215	7.79	0.03
TTOM	8/11/2005	230	7.79	0.03
TTOM	8/11/2005	245	7.78	0.02
TTOM	8/11/2005	300	7.79	0.03
TTOM	8/11/2005	315	7.79	0.03
TTOM	8/11/2005	330	7.79	0.03
TTOM	8/11/2005	345	7.79	0.03
TTOM	8/11/2005	400	7.79	0.03
TTOM	8/11/2005	415	7.79	0.03
TTOM	8/11/2005	430	7.79	0.03
TTOM	8/11/2005	445	7.79	0.03
TTOM	8/11/2005	500	7.79	0.03
TTOM	8/11/2005	515	7.79	0.03
TTOM	8/11/2005	530	7.8	0.04
TTOM	8/11/2005	545	7.81	0.05
TTOM	8/11/2005	600	7.81	0.05
TTOM	8/11/2005	615	7.81	0.05
TTOM	8/11/2005	630	7.82	0.06
TTOM	8/11/2005	645	7.79	0.03
TTOM	8/11/2005	700	7.84	0.08
TTOM	8/11/2005	715	7.82	0.06
TTOM	8/11/2005	730	7.84	0.08
TTOM	8/11/2005	745	7.83	0.07
TTOM	8/11/2005	800	7.85	0.09
TTOM	8/11/2005	815	7.83	0.07
TTOM	8/11/2005	830	7.84	0.08
TTOM	8/11/2005	845	7.85	0.09
TTOM	8/11/2005	900	7.84	0.08

Station	Date	Time	Level	Stage
		hh:mm	(ft)	(ft)
TTOM	8/11/2005	915	7.85	0.09
TTOM	8/11/2005	930	7.84	0.08
TTOM	8/11/2005	945	7.85	0.09
TTOM	8/11/2005	1000	7.85	0.09
TTOM	8/11/2005	1015	7.85	0.09
TTOM	8/11/2005	1030	7.85	0.09
TTOM	8/11/2005	1045	7.85	0.09
TTOM	8/11/2005	1100	7.85	0.09
TTOM	8/11/2005	1115	7.85	0.09
TTOM	8/11/2005	1130	7.84	0.08
TTOM	8/11/2005	1145	7.87	0.11
TTOM	8/11/2005	1200	7.84	0.08
TTOM	8/11/2005	1215	7.86	0.1
TTOM	8/11/2005	1230	7.88	0.12
TTOM	8/11/2005	1245	7.88	0.12
TTOM	8/11/2005	1300	7.81	0.05
TTOM	8/11/2005	1315	7.91	0.15
TTOM	8/11/2005	1330	7.86	0.1
TTOM	8/11/2005	1345	7.86	0.1
TTOM	8/11/2005	1400	7.87	0.11
TTOM	8/11/2005	1415	7.81	0.05
TTOM	8/11/2005	1430	7.9	0.14
TTOM	8/11/2005	1445	7.83	0.07
TTOM	8/11/2005	1500	7.87	0.11
TTOM	8/11/2005	1515	7.84	0.08
TTOM	8/11/2005	1530	7.86	0.1
TTOM	8/11/2005	1545	7.84	0.08
TTOM	8/11/2005	1600	7.86	0.1
TTOM	8/11/2005	1615	7.87	0.11
TTOM	8/11/2005	1630	7.86	0.1
TTOM	8/11/2005	1645	7.87	0.11
TTOM	8/11/2005	1700	7.85	0.09
TTOM	8/11/2005	1715	7.88	0.12
TTOM	8/11/2005	1730	7.84	0.08
TTOM	8/11/2005	1745	7.85	0.09
TTOM	8/11/2005	1800	7.85	0.09
TTOM	8/11/2005	1815	7.85	0.09
TTOM	8/11/2005	1830	7.84	0.08
TTOM	8/11/2005	1845	7.86	0.1
TTOM	8/11/2005	1900	7.83	0.07
TTOM	8/11/2005	1915	7.84	0.08
TTOM	8/11/2005	1930	7.85	0.09
TTOM	8/11/2005	1945	7.85	0.09
TTOM	8/11/2005	2000	7.85	0.09
TTOM	8/11/2005	2015	7.87	0.11

Station	Date	Time	Level	Stage
		hh:mm	(ft)	(ft)
TTOM	8/11/2005	2030	7.86	0.1
TTOM	8/11/2005	2045	7.86	0.1
TTOM	8/11/2005	2100	7.86	0.1
TTOM	8/11/2005	2115	7.86	0.1
TTOM	8/11/2005	2130	7.86	0.1
TTOM	8/11/2005	2145	7.86	0.1
TTOM	8/11/2005	2200	7.86	0.1
TTOM	8/11/2005	2215	7.85	0.09
TTOM	8/11/2005	2230	7.84	0.08
TTOM	8/11/2005	2245	7.85	0.09
TTOM	8/11/2005	2300	7.82	0.06
TTOM	8/11/2005	2315	7.85	0.09
TTOM	8/11/2005	2330	7.85	0.09
TTOM	8/11/2005	2345	7.84	0.08
TTOM	8/12/2005	0	7.84	0.08
TTOM	8/12/2005	15	7.85	0.09
TTOM	8/12/2005	30	7.84	0.08
TTOM	8/12/2005	45	7.84	0.08
TTOM	8/12/2005	100	7.85	0.09
TTOM	8/12/2005	115	7.84	0.08
TTOM	8/12/2005	130	7.84	0.08
TTOM	8/12/2005	145	7.84	0.08
TTOM	8/12/2005	200	7.83	0.07
TTOM	8/12/2005	215	7.82	0.06
TTOM	8/12/2005	230	7.82	0.06
TTOM	8/12/2005	245	7.82	0.06
TTOM	8/12/2005	300	7.81	0.05
TTOM	8/12/2005	315	7.77	0.01
TTOM	8/12/2005	330	7.79	0.03
TTOM	8/12/2005	345	7.8	0.04
TTOM	8/12/2005	400	7.79	0.03
TTOM	8/12/2005	415	7.81	0.05
TTOM	8/12/2005	430	7.77	0.01
TTOM	8/12/2005	445	7.79	0.03
TTOM	8/12/2005	500	7.78	0.02
TTOM	8/12/2005	515	7.78	0.02
TTOM	8/12/2005	530	7.77	0.01
TTOM	8/12/2005	545	7.79	0.03
TTOM	8/12/2005	600	7.77	0.01
TTOM	8/12/2005	615	7.78	0.02
TTOM	8/12/2005	630	7.78	0.02
TTOM	8/12/2005	645	7.77	0.01
TTOM	8/12/2005	700	7.78	0.02
TTOM	8/12/2005	715	7.77	0.01
TTOM	8/12/2005	730	7.77	0.01



Station	Date	Time	Level	Stage
		hh:mm	(ft)	(ft)
TTOM	8/12/2005	745	7.77	0.01
TTOM	8/12/2005	800	7.76	0
TTOM	8/12/2005	815	7.76	0
TTOM	8/12/2005	830	7.76	0
TTOM	8/12/2005	845	7.75	-0.01
TTOM	8/12/2005	900	7.75	-0.01
TTOM	8/12/2005	915	7.75	-0.01
TTOM	8/12/2005	930	7.75	-0.01
TTOM	8/12/2005	945	7.73	-0.03
TTOM	8/12/2005	1000	7.76	0
TTOM	8/12/2005	1015	7.74	-0.02
TTOM	8/12/2005	1030	7.75	-0.01
TTOM	8/12/2005	1045	7.74	-0.02
TTOM	8/12/2005	1100	7.76	0
TTOM	8/12/2005	1115	7.72	-0.04
TTOM	8/12/2005	1130	7.73	-0.03
TTOM	8/12/2005	1145	7.72	-0.04
TTOM	8/12/2005	1200	7.71	-0.05
TTOM	8/12/2005	1215	7.71	-0.05
TTOM	8/12/2005	1230	7.71	-0.05
TTOM	8/12/2005	1245	7.7	-0.06
TTOM	8/12/2005	1300	7.69	-0.07
TTOM	8/12/2005	1315	7.67	-0.09
TTOM	8/12/2005	1330	7.7	-0.06
TTOM	8/12/2005	1345	7.71	-0.05
TTOM	8/12/2005	1400	7.68	-0.08
TTOM	8/12/2005	1415	7.7	-0.06
TTOM	8/12/2005	1430	7.7	-0.06
TTOM	8/12/2005	1445	7.69	-0.07
TTOM	8/12/2005	1500	7.67	-0.09
TTOM	8/12/2005	1515	7.7	-0.06
TTOM	8/12/2005	1530	7.67	-0.09
TTOM	8/12/2005	1545	7.68	-0.08
TTOM	8/12/2005	1600	7.69	-0.07
TTOM	8/12/2005	1615	7.77	0.01
TTOM	8/12/2005	1630	7.7	-0.06
TTOM	8/12/2005	1645	7.68	-0.08
TTOM	8/12/2005	1700	7.65	-0.11
TTOM	8/12/2005	1715	7.7	-0.06
TTOM	8/12/2005	1730	7.65	-0.11
TTOM	8/12/2005	1745	7.64	-0.12
TTOM	8/12/2005	1800	7.67	-0.09
TTOM	8/12/2005	1815	7.66	-0.1
TTOM	8/12/2005	1830	7.65	-0.11
TTOM	8/12/2005	1845	7.66	-0.1

Station	Date	Time	Level	Stage
		hh:mm	(ft)	(ft)
TTOM	8/12/2005	1900	7.65	-0.11
TTOM	8/12/2005	1915	7.66	-0.1
TTOM	8/12/2005	1930	7.65	-0.11
TTOM	8/12/2005	1945	7.67	-0.09
TTOM	8/12/2005	2000	7.67	-0.09
TTOM	8/12/2005	2015	7.67	-0.09
TTOM	8/12/2005	2030	7.66	-0.1
TTOM	8/12/2005	2045	7.67	-0.09
TTOM	8/12/2005	2100	7.66	-0.1
TTOM	8/12/2005	2115	7.67	-0.09
TTOM	8/12/2005	2130	7.68	-0.08
TTOM	8/12/2005	2145	7.68	-0.08
TTOM	8/12/2005	2200	7.68	-0.08
TTOM	8/12/2005	2215	7.68	-0.08
TTOM	8/12/2005	2230	7.67	-0.09
TTOM	8/12/2005	2245	7.68	-0.08
TTOM	8/12/2005	2300	7.67	-0.09
TTOM	8/12/2005	2315	7.67	-0.09
TTOM	8/12/2005	2330	7.68	-0.08
TTOM	8/12/2005	2345	7.69	-0.07
TTOM	8/13/2005	0	7.69	-0.07
TTOM	8/13/2005	15	7.69	-0.07
TTOM	8/13/2005	30	7.69	-0.07
TTOM	8/13/2005	45	7.69	-0.07
TTOM	8/13/2005	100	7.68	-0.08
TTOM	8/13/2005	115	7.69	-0.07
TTOM	8/13/2005	130	7.68	-0.08
TTOM	8/13/2005	145	7.68	-0.08
TTOM	8/13/2005	200	7.69	-0.07
TTOM	8/13/2005	215	7.7	-0.06
TTOM	8/13/2005	230	7.7	-0.06
TTOM	8/13/2005	245	7.71	-0.05
TTOM	8/13/2005	300	7.71	-0.05
TTOM	8/13/2005	315	7.7	-0.06
TTOM	8/13/2005	330	7.59	-0.17
TTOM	8/13/2005	345	7.72	-0.04
TTOM	8/13/2005	400	7.7	-0.06
TTOM	8/13/2005	415	7.7	-0.06
TTOM	8/13/2005	430	7.69	-0.07
TTOM	8/13/2005	445	7.71	-0.05
TTOM	8/13/2005	500	7.7	-0.06
TTOM	8/13/2005	515	7.7	-0.06
TTOM	8/13/2005	530	7.71	-0.05
TTOM	8/13/2005	545	7.69	-0.07
TTOM	8/13/2005	600	7.7	-0.06

Station	Date	Time	Level	Stage
		hh:mm	(ft)	(ft)
TTOM	8/13/2005	615	7.69	-0.07
TTOM	8/13/2005	630	7.69	-0.07
TTOM	8/13/2005	645	7.7	-0.06
TTOM	8/13/2005	700	7.7	-0.06
TTOM	8/13/2005	715	7.69	-0.07
TTOM	8/13/2005	730	7.66	-0.1
TTOM	8/13/2005	745	7.69	-0.07
TTOM	8/13/2005	800	7.67	-0.09
TTOM	8/13/2005	815	7.7	-0.06
TTOM	8/13/2005	830	7.68	-0.08
TTOM	8/13/2005	845	7.67	-0.09
TTOM	8/13/2005	900	7.69	-0.07
TTOM	8/13/2005	915	7.6	-0.16
TTOM	8/13/2005	930	7.71	-0.05
TTOM	8/13/2005	945	7.68	-0.08
TTOM	8/13/2005	1000	7.7	-0.06
TTOM	8/13/2005	1015	7.69	-0.07
TTOM	8/13/2005	1030	7.71	-0.05
TTOM	8/13/2005	1045	7.69	-0.07
TTOM	8/13/2005	1100	7.69	-0.07
TTOM	8/13/2005	1115	7.7	-0.06
TTOM	8/13/2005	1130	7.69	-0.07
TTOM	8/13/2005	1145	7.7	-0.06
TTOM	8/13/2005	1200	7.67	-0.09
TTOM	8/13/2005	1215	7.69	-0.07
TTOM	8/13/2005	1230	7.7	-0.06
TTOM	8/13/2005	1245	7.69	-0.07
TTOM	8/13/2005	1300	7.68	-0.08
TTOM	8/13/2005	1315	7.69	-0.07
TTOM	8/13/2005	1330	7.69	-0.07
TTOM	8/13/2005	1345	7.68	-0.08
TTOM	8/13/2005	1400	7.67	-0.09
TTOM	8/13/2005	1415	7.69	-0.07
TTOM	8/13/2005	1430	7.67	-0.09
TTOM	8/13/2005	1445	7.73	-0.03
TTOM	8/13/2005	1500	7.66	-0.1
TTOM	8/13/2005	1515	7.69	-0.07
TTOM	8/13/2005	1530	7.71	-0.05
TTOM	8/13/2005	1545	7.69	-0.07
TTOM	8/13/2005	1600	7.7	-0.06
TTOM	8/13/2005	1615	7.72	-0.04
TTOM	8/13/2005	1630	7.7	-0.06
TTOM	8/13/2005	1645	7.69	-0.07
TTOM	8/13/2005	1700	7.69	-0.07
TTOM	8/13/2005	1715	7.71	-0.05

Station	Date	Time	Level	Stage
		hh:mm	(ft)	(ft)
TTOM	8/13/2005	1730	7.7	-0.06
TTOM	8/13/2005	1745	7.7	-0.06
TTOM	8/13/2005	1800	7.71	-0.05
TTOM	8/13/2005	1815	7.66	-0.1
TTOM	8/13/2005	1830	7.7	-0.06
TTOM	8/13/2005	1845	7.68	-0.08
TTOM	8/13/2005	1900	7.69	-0.07
TTOM	8/13/2005	1915	7.68	-0.08
TTOM	8/13/2005	1930	7.71	-0.05
TTOM	8/13/2005	1945	7.68	-0.08
TTOM	8/13/2005	2000	7.66	-0.1
TTOM	8/13/2005	2015	7.67	-0.09
TTOM	8/13/2005	2030	7.66	-0.1
TTOM	8/13/2005	2045	7.66	-0.1
TTOM	8/13/2005	2100	7.64	-0.12
TTOM	8/13/2005	2115	7.67	-0.09
TTOM	8/13/2005	2130	7.67	-0.09
TTOM	8/13/2005	2145	7.67	-0.09
TTOM	8/13/2005	2200	7.67	-0.09
TTOM	8/13/2005	2215	7.68	-0.08
TTOM	8/13/2005	2230	7.65	-0.11
TTOM	8/13/2005	2245	7.67	-0.09
TTOM	8/13/2005	2300	7.69	-0.07
TTOM	8/13/2005	2315	7.69	-0.07
TTOM	8/13/2005	2330	7.68	-0.08
TTOM	8/13/2005	2345	7.69	-0.07
TTOM	8/14/2005	0	7.64	-0.12
TTOM	8/14/2005	15	7.71	-0.05
TTOM	8/14/2005	30	7.68	-0.08
TTOM	8/14/2005	45	7.69	-0.07
TTOM	8/14/2005	100	7.68	-0.08
TTOM	8/14/2005	115	7.68	-0.08
TTOM	8/14/2005	130	7.67	-0.09
TTOM	8/14/2005	145	7.67	-0.09
TTOM	8/14/2005	200	7.68	-0.08
TTOM	8/14/2005	215	7.66	-0.1
TTOM	8/14/2005	230	7.66	-0.1
TTOM	8/14/2005	245	7.67	-0.09
TTOM	8/14/2005	300	7.66	-0.1
TTOM	8/14/2005	315	7.65	-0.11
TTOM	8/14/2005	330	7.67	-0.09
TTOM	8/14/2005	345	7.66	-0.1
TTOM	8/14/2005	400	7.63	-0.13
TTOM	8/14/2005	415	7.7	-0.06
TTOM	8/14/2005	430	7.68	-0.08

Station	Date	Time	Level	Stage
		hh:mm	(ft)	(ft)
TTOM	8/14/2005	445	7.67	-0.09
TTOM	8/14/2005	500	7.69	-0.07
TTOM	8/14/2005	515	7.69	-0.07
TTOM	8/14/2005	530	7.68	-0.08
TTOM	8/14/2005	545	7.68	-0.08
TTOM	8/14/2005	600	7.68	-0.08
TTOM	8/14/2005	615	7.68	-0.08
TTOM	8/14/2005	630	7.68	-0.08
TTOM	8/14/2005	645	7.67	-0.09
TTOM	8/14/2005	700	7.67	-0.09
TTOM	8/14/2005	715	7.66	-0.1
TTOM	8/14/2005	730	7.67	-0.09
TTOM	8/14/2005	745	7.67	-0.09
TTOM	8/14/2005	800	7.68	-0.08
TTOM	8/14/2005	815	7.68	-0.08
TTOM	8/14/2005	830	7.68	-0.08
TTOM	8/14/2005	845	7.68	-0.08
TTOM	8/14/2005	900	7.65	-0.11
TTOM	8/14/2005	915	7.73	-0.03
TTOM	8/14/2005	930	7.65	-0.11
TTOM	8/14/2005	945	7.69	-0.07
TTOM	8/14/2005	1000	7.66	-0.1
TTOM	8/14/2005	1015	7.69	-0.07
TTOM	8/14/2005	1030	7.66	-0.1
TTOM	8/14/2005	1045	7.68	-0.08
TTOM	8/14/2005	1100	7.64	-0.12
TTOM	8/14/2005	1115	7.69	-0.07
TTOM	8/14/2005	1130	7.66	-0.1
TTOM	8/14/2005	1145	7.67	-0.09
TTOM	8/14/2005	1200	7.66	-0.1
TTOM	8/14/2005	1215	7.68	-0.08
TTOM	8/14/2005	1230	7.66	-0.1
TTOM	8/14/2005	1245	7.67	-0.09
TTOM	8/14/2005	1300	7.68	-0.08
TTOM	8/14/2005	1315	7.67	-0.09
TTOM	8/14/2005	1330	7.68	-0.08
TTOM	8/14/2005	1345	7.69	-0.07
TTOM	8/14/2005	1400	7.69	-0.07
TTOM	8/14/2005	1415	7.66	-0.1
TTOM	8/14/2005	1430	7.71	-0.05
TTOM	8/14/2005	1445	7.67	-0.09
TTOM	8/14/2005	1500	7.69	-0.07
TTOM	8/14/2005	1515	7.69	-0.07
TTOM	8/14/2005	1530	7.71	-0.05
TTOM	8/14/2005	1545	7.7	-0.06

Station	Date	Time	Level	Stage
		hh:mm	(ft)	(ft)
TTOM	8/14/2005	1600	7.62	-0.14
TTOM	8/14/2005	1615	7.73	-0.03
TTOM	8/14/2005	1630	7.69	-0.07
TTOM	8/14/2005	1645	7.7	-0.06
TTOM	8/14/2005	1700	7.7	-0.06
TTOM	8/14/2005	1715	7.66	-0.1
TTOM	8/14/2005	1730	7.69	-0.07
TTOM	8/14/2005	1745	7.7	-0.06
TTOM	8/14/2005	1800	7.68	-0.08
TTOM	8/14/2005	1815	7.66	-0.1
TTOM	8/14/2005	1830	7.75	-0.01
TTOM	8/14/2005	1845	7.69	-0.07
TTOM	8/14/2005	1900	7.73	-0.03
TTOM	8/14/2005	1915	7.7	-0.06
TTOM	8/14/2005	1930	7.74	-0.02
TTOM	8/14/2005	1945	7.71	-0.05
TTOM	8/14/2005	2000	7.7	-0.06
TTOM	8/14/2005	2015	7.73	-0.03
TTOM	8/14/2005	2030	7.71	-0.05
TTOM	8/14/2005	2045	7.71	-0.05
TTOM	8/14/2005	2100	7.73	-0.03
TTOM	8/14/2005	2115	7.72	-0.04
TTOM	8/14/2005	2130	7.72	-0.04
TTOM	8/14/2005	2145	7.73	-0.03
TTOM	8/14/2005	2200	7.72	-0.04
TTOM	8/14/2005	2215	7.71	-0.05
TTOM	8/14/2005	2230	7.7	-0.06
TTOM	8/14/2005	2245	7.7	-0.06
TTOM	8/14/2005	2300	7.72	-0.04
TTOM	8/14/2005	2315	7.72	-0.04
TTOM	8/14/2005	2330	7.73	-0.03
TTOM	8/14/2005	2345	7.71	-0.05
TTOM	8/15/2005	0	7.73	-0.03
TTOM	8/15/2005	15	7.71	-0.05
TTOM	8/15/2005	30	7.78	0.02
TTOM	8/15/2005	45	7.73	-0.03
TTOM	8/15/2005	100	7.75	-0.01
TTOM	8/15/2005	115	7.75	-0.01
TTOM	8/15/2005	130	7.77	0.01
TTOM	8/15/2005	145	7.74	-0.02
TTOM	8/15/2005	200	7.74	-0.02
TTOM	8/15/2005	215	7.75	-0.01
TTOM	8/15/2005	230	7.66	-0.1
TTOM	8/15/2005	245	7.8	0.04
TTOM	8/15/2005	300	7.74	-0.02

Station	Date	Time	Level	Stage
		hh:mm	(ft)	(ft)
TTOM	8/15/2005	315	7.77	0.01
TTOM	8/15/2005	330	7.75	-0.01
TTOM	8/15/2005	345	7.77	0.01
TTOM	8/15/2005	400	7.76	0
TTOM	8/15/2005	415	7.77	0.01
TTOM	8/15/2005	430	7.77	0.01
TTOM	8/15/2005	445	7.78	0.02
TTOM	8/15/2005	500	7.78	0.02
TTOM	8/15/2005	515	7.79	0.03
TTOM	8/15/2005	530	7.78	0.02
TTOM	8/15/2005	545	7.79	0.03
TTOM	8/15/2005	600	7.79	0.03
TTOM	8/15/2005	615	7.78	0.02
TTOM	8/15/2005	630	7.79	0.03
TTOM	8/15/2005	645	7.79	0.03
TTOM	8/15/2005	700	7.78	0.02
TTOM	8/15/2005	715	7.8	0.04
TTOM	8/15/2005	730	7.79	0.03
TTOM	8/15/2005	745	7.79	0.03
TTOM	8/15/2005	800	7.77	0.01
TTOM	8/15/2005	815	7.8	0.04
TTOM	8/15/2005	830	7.81	0.05
TTOM	8/15/2005	845	7.81	0.05
TTOM	8/15/2005	900	7.79	0.03
TTOM	8/15/2005	915	7.85	0.09
TTOM	8/15/2005	930	7.8	0.04
TTOM	8/15/2005	945	7.82	0.06
TTOM	8/15/2005	1000	7.81	0.05
TTOM	8/15/2005	1015	7.84	0.08
TTOM	8/15/2005	1030	7.82	0.06
TTOM	8/15/2005	1045	7.83	0.07
TTOM	8/15/2005	1100	7.83	0.07
TTOM	8/15/2005	1115	7.82	0.06
TTOM	8/15/2005	1130	7.83	0.07
TTOM	8/15/2005	1145	7.83	0.07
TTOM	8/15/2005	1200	7.83	0.07
TTOM	8/15/2005	1215	7.82	0.06
TTOM	8/15/2005	1230	7.83	0.07
TTOM	8/15/2005	1245	7.83	0.07
TTOM	8/15/2005	1300	7.83	0.07
TTOM	8/15/2005	1315	7.83	0.07
TTOM	8/15/2005	1330	7.73	-0.03
TTOM	8/15/2005	1345	7.88	0.12
TTOM	8/15/2005	1400	7.83	0.07
TTOM	8/15/2005	1415	7.84	0.08

Station	Date	Time	Level	Stage
		hh:mm	(ft)	(ft)
TTOM	8/15/2005	1430	7.84	0.08
TTOM	8/15/2005	1445	7.84	0.08
TTOM	8/15/2005	1500	7.83	0.07
TTOM	8/15/2005	1515	7.86	0.1
TTOM	8/15/2005	1530	7.86	0.1
TTOM	8/15/2005	1545	7.85	0.09
TTOM	8/15/2005	1600	7.87	0.11
TTOM	8/15/2005	1615	7.86	0.1
TTOM	8/15/2005	1630	7.85	0.09
TTOM	8/15/2005	1645	7.86	0.1
TTOM	8/15/2005	1700	7.86	0.1
TTOM	8/15/2005	1715	7.86	0.1
TTOM	8/15/2005	1730	7.86	0.1
TTOM	8/15/2005	1745	7.86	0.1
TTOM	8/15/2005	1800	7.86	0.1
TTOM	8/15/2005	1815	7.86	0.1
TTOM	8/15/2005	1830	7.87	0.11
TTOM	8/15/2005	1845	7.88	0.12
TTOM	8/15/2005	1900	7.87	0.11
TTOM	8/15/2005	1915	7.87	0.11
TTOM	8/15/2005	1930	7.86	0.1
TTOM	8/15/2005	1945	7.87	0.11
TTOM	8/15/2005	2000	7.82	0.06
TTOM	8/15/2005	2015	7.87	0.11
TTOM	8/15/2005	2030	7.86	0.1
TTOM	8/15/2005	2045	7.87	0.11
TTOM	8/15/2005	2100	7.85	0.09
TTOM	8/15/2005	2115	7.87	0.11
TTOM	8/15/2005	2130	7.86	0.1
TTOM	8/15/2005	2145	7.87	0.11
TTOM	8/15/2005	2200	7.87	0.11
TTOM	8/15/2005	2215	7.84	0.08
TTOM	8/15/2005	2230	7.87	0.11
TTOM	8/15/2005	2245	7.86	0.1
TTOM	8/15/2005	2300	7.86	0.1
TTOM	8/15/2005	2315	7.86	0.1
TTOM	8/15/2005	2330	7.86	0.1
TTOM	8/15/2005	2345	7.86	0.1
TTOM	8/16/2005	0	7.86	0.1
TTOM	8/16/2005	15	7.85	0.09
TTOM	8/16/2005	30	7.85	0.09
TTOM	8/16/2005	45	7.85	0.09
TTOM	8/16/2005	100	7.84	0.08
TTOM	8/16/2005	115	7.84	0.08
TTOM	8/16/2005	130	7.85	0.09



Station	Date	Time	Level	Stage
		hh:mm	(ft)	(ft)
TTOM	8/16/2005	145	7.84	0.08
TTOM	8/16/2005	200	7.84	0.08
TTOM	8/16/2005	215	7.84	0.08
TTOM	8/16/2005	230	7.84	0.08
TTOM	8/16/2005	245	7.84	0.08
TTOM	8/16/2005	300	7.82	0.06
TTOM	8/16/2005	315	7.85	0.09
TTOM	8/16/2005	330	7.82	0.06
TTOM	8/16/2005	345	7.82	0.06
TTOM	8/16/2005	400	7.84	0.08
TTOM	8/16/2005	415	7.83	0.07
TTOM	8/16/2005	430	7.83	0.07
TTOM	8/16/2005	445	7.84	0.08
TTOM	8/16/2005	500	7.83	0.07
TTOM	8/16/2005	515	7.82	0.06
TTOM	8/16/2005	530	7.84	0.08
TTOM	8/16/2005	545	7.81	0.05
TTOM	8/16/2005	600	7.82	0.06
TTOM	8/16/2005	615	7.84	0.08
TTOM	8/16/2005	630	7.82	0.06
TTOM	8/16/2005	645	7.82	0.06
TTOM	8/16/2005	700	7.83	0.07
TTOM	8/16/2005	715	7.82	0.06
TTOM	8/16/2005	730	7.82	0.06
TTOM	8/16/2005	745	7.83	0.07
TTOM	8/16/2005	800	7.83	0.07
TTOM	8/16/2005	815	7.83	0.07
TTOM	8/16/2005	830	7.84	0.08
TTOM	8/16/2005	845	7.85	0.09
TTOM	8/16/2005	900	7.85	0.09
TTOM	8/16/2005	915	7.85	0.09
TTOM	8/16/2005	930	7.85	0.09
TTOM	8/16/2005	945	7.85	0.09
TTOM	8/16/2005	1000	7.84	0.08
TTOM	8/16/2005	1015	7.86	0.1
TTOM	8/16/2005	1030	7.82	0.06
TTOM	8/16/2005	1045	7.84	0.08
TTOM	8/16/2005	1100	7.85	0.09
TTOM	8/16/2005	1115	7.86	0.1
TTOM	8/16/2005	1130	7.86	0.1
TTOM	8/16/2005	1145	7.87	0.11
TTOM	8/16/2005	1200	7.87	0.11
TTOM	8/16/2005	1215	7.87	0.11
TTOM	8/16/2005	1230	7.87	0.11
TTOM	8/16/2005	1245	7.87	0.11

Station	Date	Time	Level	Stage
		hh:mm	(ft)	(ft)
TTOM	8/16/2005	1300	7.86	0.1
TTOM	8/16/2005	1315	7.86	0.1
TTOM	8/16/2005	1330	7.85	0.09
TTOM	8/16/2005	1345	7.85	0.09
TTOM	8/16/2005	1400	7.84	0.08
TTOM	8/16/2005	1415	7.84	0.08
TTOM	8/16/2005	1430	7.84	0.08
TTOM	8/16/2005	1445	7.85	0.09
TTOM	8/16/2005	1500	7.85	0.09
TTOM	8/16/2005	1515	7.85	0.09
TTOM	8/16/2005	1530	7.83	0.07
TTOM	8/16/2005	1545	7.85	0.09
TTOM	8/16/2005	1600	7.82	0.06
TTOM	8/16/2005	1615	7.83	0.07
TTOM	8/16/2005	1630	7.83	0.07
TTOM	8/16/2005	1645	7.81	0.05
TTOM	8/16/2005	1700	7.81	0.05
TTOM	8/16/2005	1715	7.7	-0.06
TTOM	8/16/2005	1730	7.85	0.09
TTOM	8/16/2005	1745	7.79	0.03
TTOM	8/16/2005	1800	7.79	0.03
TTOM	8/16/2005	1815	7.79	0.03
TTOM	8/16/2005	1830	7.68	-0.08
TTOM	8/16/2005	1845	7.82	0.06
TTOM	8/16/2005	1900	7.75	-0.01
TTOM	8/16/2005	1915	7.78	0.02
TTOM	8/16/2005	1930	7.76	0
TTOM	8/16/2005	1945	7.78	0.02
TTOM	8/16/2005	2000	7.77	0.01
TTOM	8/16/2005	2015	7.77	0.01
TTOM	8/16/2005	2030	7.78	0.02
TTOM	8/16/2005	2045	7.67	-0.09
TTOM	8/16/2005	2100	7.82	0.06
TTOM	8/16/2005	2115	7.76	0
TTOM	8/16/2005	2130	7.79	0.03
TTOM	8/16/2005	2145	7.74	-0.02
TTOM	8/16/2005	2200	7.77	0.01
TTOM	8/16/2005	2215	7.75	-0.01
TTOM	8/16/2005	2230	7.75	-0.01
TTOM	8/16/2005	2245	7.76	0
TTOM	8/16/2005	2300	7.74	-0.02
TTOM	8/16/2005	2315	7.75	-0.01
TTOM	8/16/2005	2330	7.73	-0.03
TTOM	8/16/2005	2345	7.75	-0.01
TTOM	8/17/2005	0	7.76	0

Station	Date	Time	Level	Stage
		hh:mm	(ft)	(ft)
TTOM	8/17/2005	15	7.76	0
TTOM	8/17/2005	30	7.75	-0.01
TTOM	8/17/2005	45	7.76	0
TTOM	8/17/2005	100	7.75	-0.01
TTOM	8/17/2005	115	7.75	-0.01
TTOM	8/17/2005	130	7.76	0
TTOM	8/17/2005	145	7.76	0
TTOM	8/17/2005	200	7.78	0.02
TTOM	8/17/2005	215	7.78	0.02
TTOM	8/17/2005	230	7.77	0.01
TTOM	8/17/2005	245	7.78	0.02
TTOM	8/17/2005	300	7.78	0.02
TTOM	8/17/2005	315	7.78	0.02
TTOM	8/17/2005	330	7.77	0.01
TTOM	8/17/2005	345	7.77	0.01
TTOM	8/17/2005	400	7.77	0.01
TTOM	8/17/2005	415	7.77	0.01
TTOM	8/17/2005	430	7.77	0.01
TTOM	8/17/2005	445	7.79	0.03
TTOM	8/17/2005	500	7.77	0.01
TTOM	8/17/2005	515	7.79	0.03
TTOM	8/17/2005	530	7.79	0.03
TTOM	8/17/2005	545	7.78	0.02
TTOM	8/17/2005	600	7.79	0.03
TTOM	8/17/2005	615	7.79	0.03
TTOM	8/17/2005	630	7.79	0.03
TTOM	8/17/2005	645	7.79	0.03
TTOM	8/17/2005	700	7.79	0.03
TTOM	8/17/2005	715	7.76	0
TTOM	8/17/2005	730	7.8	0.04
TTOM	8/17/2005	745	7.78	0.02
TTOM	8/17/2005	800	7.79	0.03
TTOM	8/17/2005	815	7.8	0.04
TTOM	8/17/2005	830	7.82	0.06
TTOM	8/17/2005	845	7.79	0.03
TTOM	8/17/2005	900	7.81	0.05
TTOM	8/17/2005	915	7.81	0.05
TTOM	8/17/2005	930	7.78	0.02
TTOM	8/17/2005	945	7.81	0.05
TTOM	8/17/2005	1000	7.81	0.05
TTOM	8/17/2005	1015	7.77	0.01
TTOM	8/17/2005	1030	7.82	0.06
TTOM	8/17/2005	1045	7.79	0.03
TTOM	8/17/2005	1100	7.79	0.03
TTOM	8/17/2005	1115	7.78	0.02

Station	Date	Time	Level	Stage
		hh:mm	(ft)	(ft)
TTOM	8/17/2005	1130	7.8	0.04
TTOM	8/17/2005	1145	7.78	0.02
TTOM	8/17/2005	1200	7.8	0.04
			7.763308	

**APPENDIX B**  
**SEDIMENT OXYGEN DEMAND RATES**

Table B-1  
Sediment Oxygen Demand Rates  
Tenn-Tom Waterway  
Columbus, Mississippi  
June 2004

DATA SUMMARY SEDIMENT OXYGEN DEMAND RATES TENN-TOM SOD - JUNE 08-11, 2004											
STATION	REP	DATE	TIME	TEMP	UNADJ. D.O. RATE (mg/l/min)	ADJ. D.O. RATE (mg/l/min)	W. COLUMN RESP. (mg/l/min)	SOD* (gr O2/m2/d)	STND. DEV. (gr O2/m2/d)	CV (As Percent)	DIVER OBSERVATIONS
STA TT1	1	6/11/2004	1115-1305	25.49	0.004477497	0.00375		1.28923			16' DEEP. 2" unconsolidated silt over fine sand.
MM 336.3	2		1120-1305	25.45	0.004881879	0.00416		1.42821			
33° 32.454'	3		1120-1310	25.57	0.004082433	0.00336		1.15346			
-088° 29.486'	4		1115-1310	25.34	0.004133202	0.00341		1.17090			
	0		1105-1300	25.60			0.001051827				
	00		1115-1305	25.56			0.000400657				
STA MEAN				25.50	0.00439	0.00367	0.00073	1.26045	0.12707	10.08106	
STA TT2	1	6/9/2004	1800-1925	25.67	0.002824346	0.00234		0.80486			11' DEEP. Coarse gravel with fine sand.
MM 332.4	2		1805-1930	25.65	0.002547349	0.00206		0.70967			
33° 29.819'	3		1805-1925	25.75	0.002900788	0.00242		0.83114			
-088° 28.187'	4		1800-1925	25.52	0.002636882	0.00215		0.74044			
	0		1755-1930	25.76			0.000415265				
	00		1750-1920	25.71			0.000549631				
STA MEAN				25.68	0.00273	0.00224	0.00048	0.77152	0.05615	7.27762	
STA TT3	1	6/8/2004	1552-1807	24.41	0.00313	0.00185		0.63420			17' DEEP. Fine sand and silt with gravel mixed in
MM 324.4	2		1602-1737	24.29	0.00253	0.00124		0.42785			over packed clay.
33° 25.350'	3		1557-1757	24.40	0.00283	0.00154		0.53061			
-088° 24.560'	4		1552-1757	24.17	0.00283	0.00155		0.53189			
	0		1540-1810	24.40			0.00157				
	00		1545-1750	24.33			0.00100				
STA MEAN				24.33	0.00283	0.00155	0.00129	0.53114	0.08424	15.86061	
STA TT4	1	6/10/2004	1545-1715	26.44	NOT UTILIZED						15' DEEP. Coarse gravel and fine sand.
MM 319.6	2		1540-1715	26.42	0.00466	0.00376		1.29243			
33° 20.962'	3		1540-1705	26.51	0.00505	0.00415		1.42710			
-088° 22.386'	4		1530-1700	26.27	0.00557	0.00467		1.60656			
	0		1527-1717	26.56			0.00092				
	00		1530-1705	26.47			0.00087				
STA MEAN				26.45	0.00509	0.00420	0.00090	1.44203	0.15760	10.92869	
STA TT5	1	6/9/2004	1320-1450	24.81	0.002457994	0.00172		0.59277			18' DEEP. 2" unconsolidated silt over fine sand.
MM 314.7	2		1320-1450	24.79	0.003076784	0.00234		0.80544			
33° 18.984'	3		1320-1445	24.87	0.003075021	0.00234		0.80483			
-088° 19.312'	4		1320-1445	24.65	0.003656514	0.00292		1.00468			
	0		1315-1455	24.90			0.00113				
	00		1315-1445	24.81			0.00034				
STA MEAN				24.80	0.00307	0.00233	0.00073	0.80193	0.16820	20.97451	
STA TT6	1	6/10/2004	1115-1300	25.27	0.003098732	0.00241		0.82686			16' DEEP. Coarse gravel and fine sand.
MM 307.3	2		1120-1255	25.24	0.003563916	0.00287		0.98674			
33° 13.141'	3		1125-1255	25.34	0.004367087	0.00367		1.26277			
-088° 17.219'	4		1115-1255	25.10	0.004009098	0.00332		1.13974			
	0		1105-1300	25.35			0.00089				
	00		1105-1250	25.29			0.00049				
STA MEAN				25.26	0.00376	0.00307	0.00069	1.05403	0.18890	17.92189	

\* ADJUSTED FOR WATER COLUMN RESPIRATION

**TENN-TOM RIVER**

06/08/04

STATION TT3 (MM 324.4)

Latitude: 33° 25.350'

Longitude: -088° 24.560'

**SUMMARY**

Mean Adj. D.O. (mg/l/min)	-0.0015
Mean Adj. SOD rate (gr O2/m2/day)	-0.5311

Sediment: Fine sand/silt with gravel over packed clay

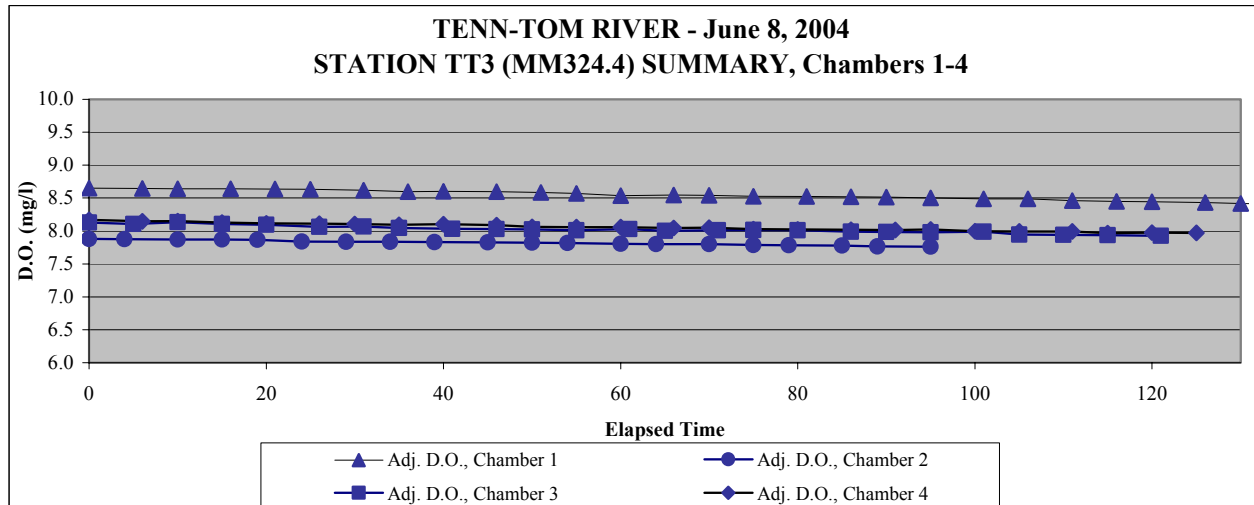
Depth: 17'

**Blank SOD chambers**

Chamber	Temp.	D.O. rate (mg/l/min)	Mean Water Column Respiration Rate
0	24.40	-0.001573866	-0.00129
00	24.33	-0.000998011	

**Contact SOD chambers**

Chamber	Mean Temp.	Unadjusted D.O. rate (mg/l/min)	Adjusted D.O. rate (mg/l/min)	Adjusted SOD rate (gr O2/m2/day)
1	24.41	-0.003131257	-0.001845318	-0.634199
2	24.29	-0.002530857	-0.001244918	-0.427853
3	24.40	-0.002829859	-0.001543920	-0.530614
4	24.17	-0.002833573	-0.001547634	-0.531891



**TENN-TOM RIVER**

**06/09/04**

**STATION TT2 (MM 332.4)**

**Latitude: 33° 29.819'**

**Longitude: -88° 28.187'**

**SUMMARY**

<b>Mean Adj. D.O. (mg/l/min)</b>	<b>-0.0022</b>
<b>Mean Adj. SOD rate (gr O2/m2/day)</b>	<b>-0.7715</b>

Sediment: Coarse gravel and fine sand

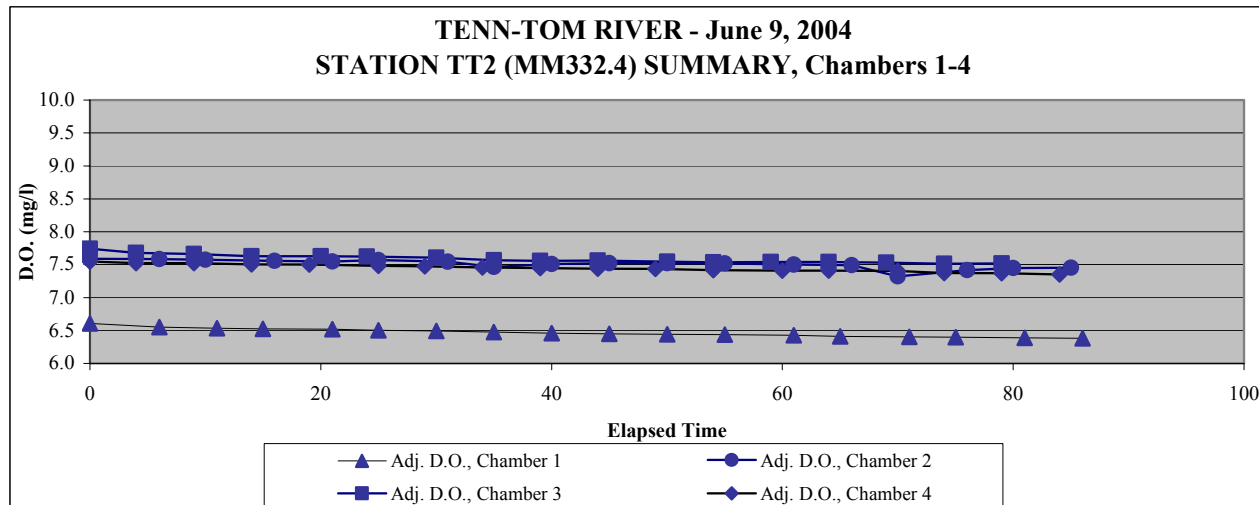
Depth: 11'

**Blank SOD chambers**

Chamber	Temp.	D.O. rate (mg/l/min)	Mean Water Column Respiration Rate
0	25.76	-0.000415265	-0.00048
00	25.71	-0.000549631	

**Contact SOD chambers**

Chamber	Mean Temp.	Unadjusted D.O. rate (mg/l/min)	Adjusted D.O. rate (mg/l/min)	Adjusted SOD rate (gr O2/m2/day)
1	25.67	-0.002824346	-0.002341898	-0.804864
2	25.65	-0.002547349	-0.002064901	-0.709665
3	25.75	-0.002900788	-0.002418340	-0.831135
4	25.52	-0.002636882	-0.002154434	-0.740436





**TENN-TOM RIVER**

**6/9/2004**

**STATION TT5 (MM 314.7)**

**Latitude: 33° 18.984'**

**Longitude: -088° 19.312'**

**SUMMARY**

<b>Mean Adj. D.O. (mg/l/min)</b>	<b>-0.0023</b>
<b>Mean Adj. SOD rate (gr O2/m2/day)</b>	<b>-0.8019</b>

Sediment: 2" unconsolidated silt over fine sand

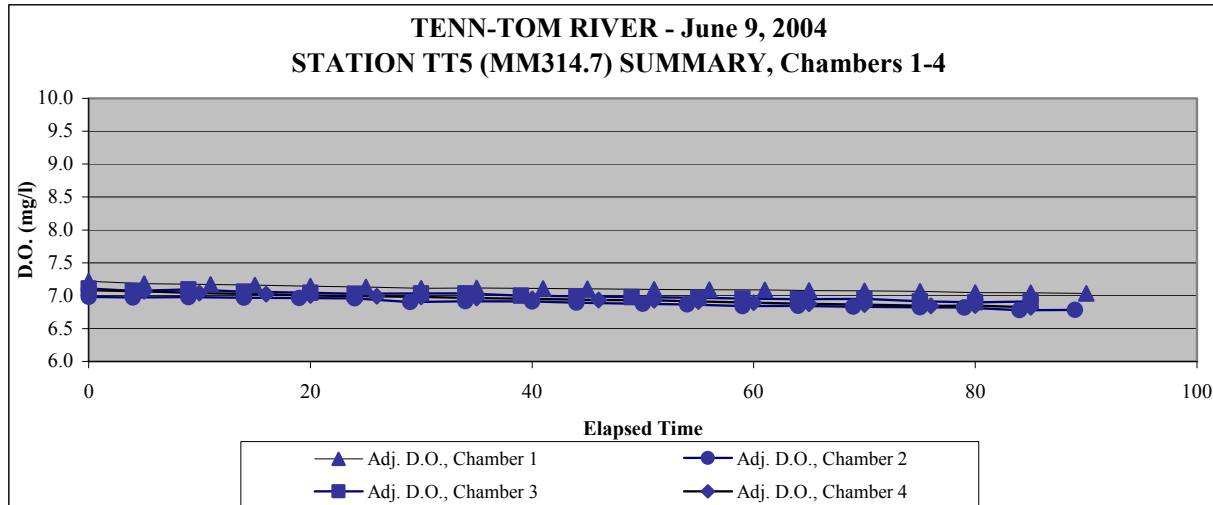
Depth: 18'

**Blank SOD chambers**

Chamber	Temp.	D.O. rate (mg/l/min)	Mean Water Column Respiration Rate
0	24.90	-0.001130679	-0.00073
00	24.81	-0.000335741	

**Contact SOD chambers**

Chamber	Mean Temp.	Unadjusted D.O. rate (mg/l/m)	Adjusted D.O. rate (mg/l/min)	Adjusted SOD rate (gr O2/m2/day)
1	24.81	-0.002457994	-0.001724784	-0.592774
2	24.79	-0.003076784	-0.002343573	-0.805439
3	24.87	-0.003075021	-0.002341811	-0.804834
4	24.65	-0.003656514	-0.002923304	-1.004681



**TENN-TOM RIVER**

**06/10/04**

**STATION TT4 (MM 319.6)**

**Latitude: 33° 20.962'**

**Longitude: -088° 22.386'**

**SUMMARY**

<b>Mean Adj. D.O. (mg/l/min)</b>	<b>-0.0042</b>
<b>Mean Adj. SOD rate (gr O2/m2/day)</b>	<b>-1.4420</b>

Sediment: Coarse sand/gravel

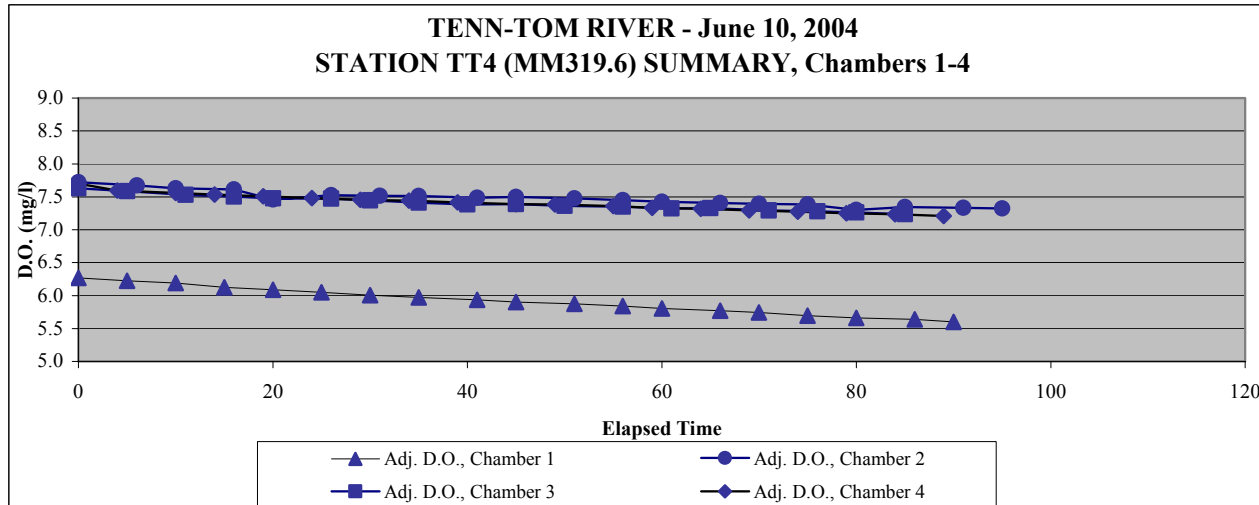
Depth: 15'

**Blank SOD chambers**

Chamber	Temp.	D.O. rate (mg/l/min)	Mean Water Column Respiration Rate
0	26.56	-0.000923889	-0.00090
00	26.47	-0.00086682	

**Contact SOD chambers**

Chamber	Mean Temp.	Unadjusted D.O. rate (mg/l/min)	Adjusted D.O. rate (mg/l/min)	Adjusted SOD rate (gr O2/m2/day)
1	26.44	-0.008144800	-0.007249446	-2.491489 NOT UTILIZED
2	26.42	-0.004655929	-0.003760575	-1.292434
3	26.51	-0.005047769	-0.004152414	-1.427102
4	26.27	-0.005569942	-0.004674587	-1.606562



**TENN-TOM RIVER**

**06/10/04**

**STATION TT6 (MM 307.3)**

**Latitude: 33° 13.141'**

**Longitude: -088° 17.219'**

**SUMMARY**

<b>Mean Adj. D.O. (mg/l/min)</b>	<b>-0.0031</b>
<b>Mean Adj. SOD rate (gr O2/m2/day)</b>	<b>-1.0540</b>

Sediment: Coarse sand/gravel

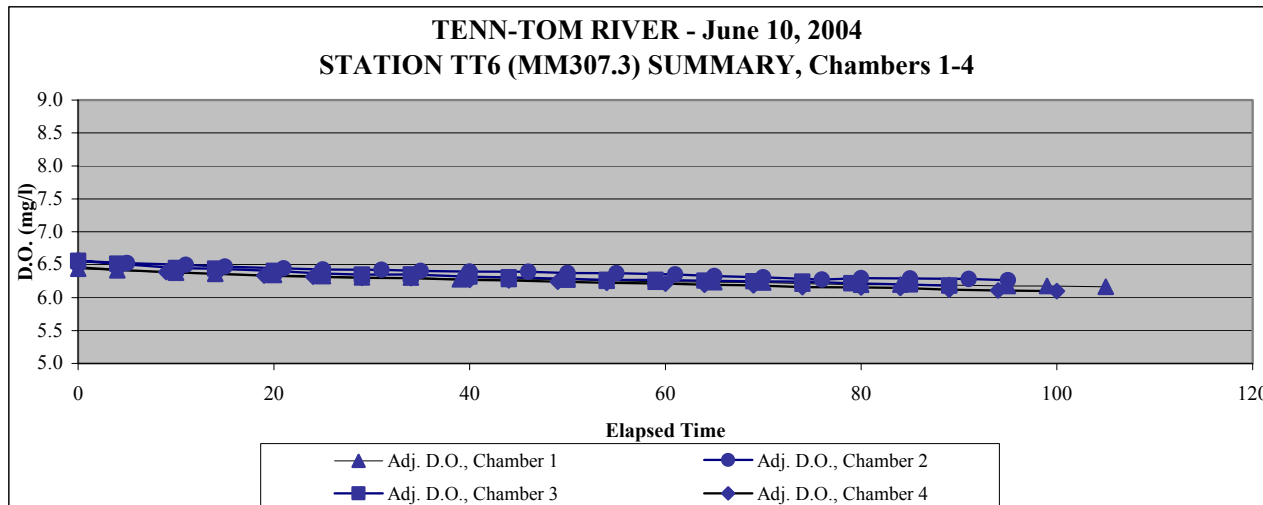
Depth: 19'

**Blank SOD chambers**

Chamber	Temp.	D.O. rate (mg/l/min)	Mean Water Column Respiration Rate
0	25.35	-0.000892805	-0.00069
00	25.29	-0.000492828	

**Contact SOD chambers**

Chamber	Mean Temp.	Unadjusted D.O. rate (mg/l/min)	Adjusted D.O. rate (mg/l/min)	Adjusted SOD rate (gr O2/m2/day)
1	25.27	-0.003098732	-0.002405915	-0.826865
2	25.24	-0.003563916	-0.002871099	-0.986739
3	25.34	-0.004367087	-0.003674271	-1.262773
4	25.10	-0.004009098	-0.003316281	-1.13974



**TENN-TOM RIVER**

06/11/04

**STATION TT1 (MM 336.3)**

Latitude: 33° 32.454'

Longitude: -088° 29.486'

**SUMMARY**

<b>Mean Adj. D.O. (mg/l/min)</b>	<b>-0.0037</b>
<b>Mean Adj. SOD rate (gr O2/m2/day)</b>	<b>-1.2605</b>

Sediment: 2" unconsolidated flock over packed fine sand

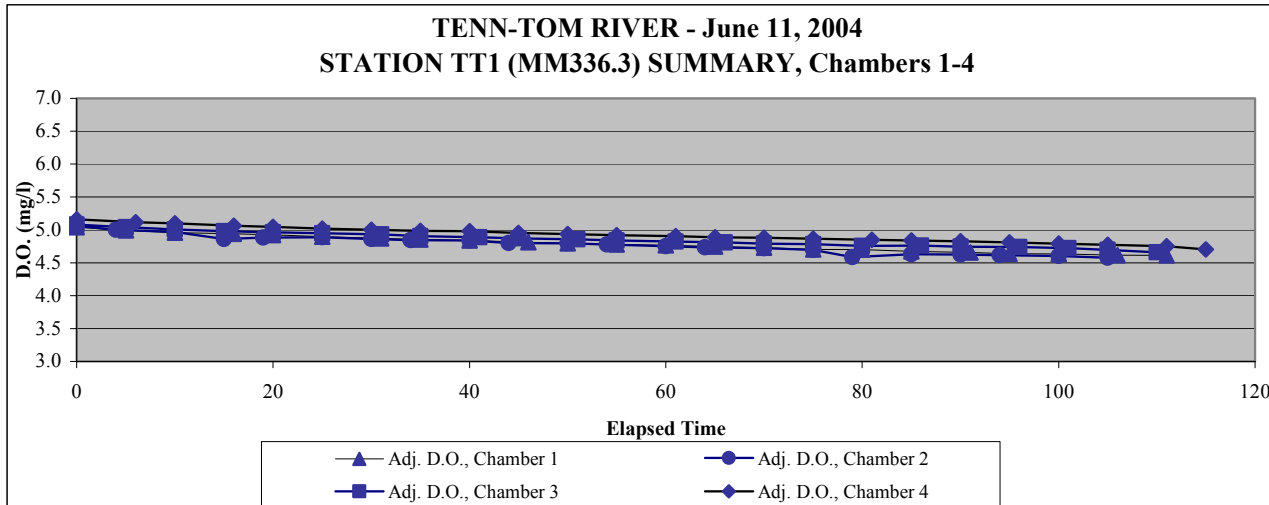
Depth: 16'

**Blank SOD chambers**

Chamber	Temp	D.O. rate (mg/l/min)	Mean Water Column Respiration Rate
0	25.60	-0.001051827	-0.00073
00	25.56	-0.000400657	

**Contact SOD chambers**

Chamber	Mean Temp.	Unadjusted D.O. rate (mg/l/min)	Adjusted D.O. rate (mg/l/min)	Adjusted SOD rate (gr O2/m2/day)
1	25.49	-0.004477497	-0.003751255	-1.289231
2	25.45	-0.004881879	-0.004155637	-1.428209
3	25.57	-0.004082433	-0.003356191	-1.153456
4	25.34	-0.004133202	-0.003406960	-1.170904

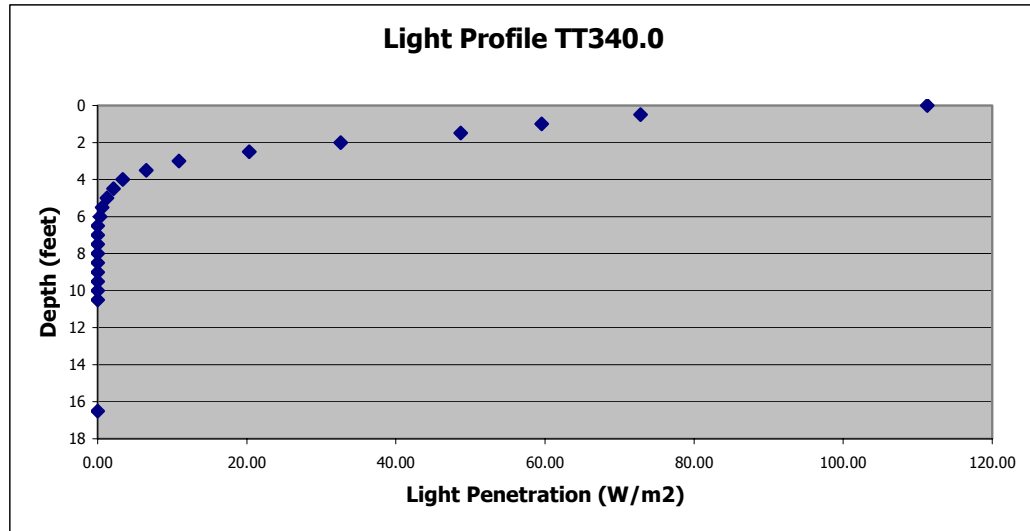


**Appendix C**  
**Water Column Light Profiles**

Station TT340.0  
 Water Column Light Profile  
 Tenn-Tom Waterway Water Quality Study  
 Columbus Mississippi  
 August 2005

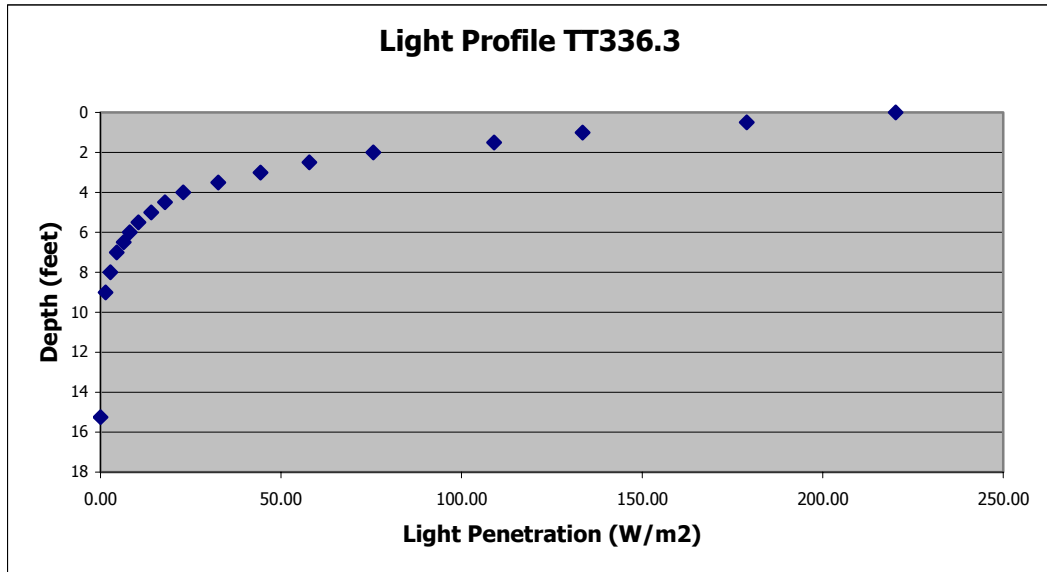
Depth (ft)	Light Penetration (W/m <sup>2</sup> )	Extinction (%)
Surface	111.30	65.0
0.5	72.83	42.0
1.0	59.57	36.0
1.5	48.70	28.9
2.0	32.61	18.8
2.5	20.35	12.0
3.0	10.91	6.4
3.5	6.52	3.8
4.0	3.37	1.9
4.5	2.11	1.2
5.0	1.24	0.7
5.5	0.58	0.3
6.0	0.32	0.2
6.5	0.01	0.0
7.0	0.01	0.0
7.5	0.01	0.0
8.0	0.01	0.0
8.5	0.01	0.0
9.0	0.01	0.0
9.5	0.01	0.0
10.0	0.01	0.0
10.5	0.01	0.0
16.5	0.01	0.0

= Photic Zone



Station 336.3  
 Water Column Light Profile  
 Tenn-Tom Waterway Water Quality Study  
 Columbus Mississippi  
 August 2005

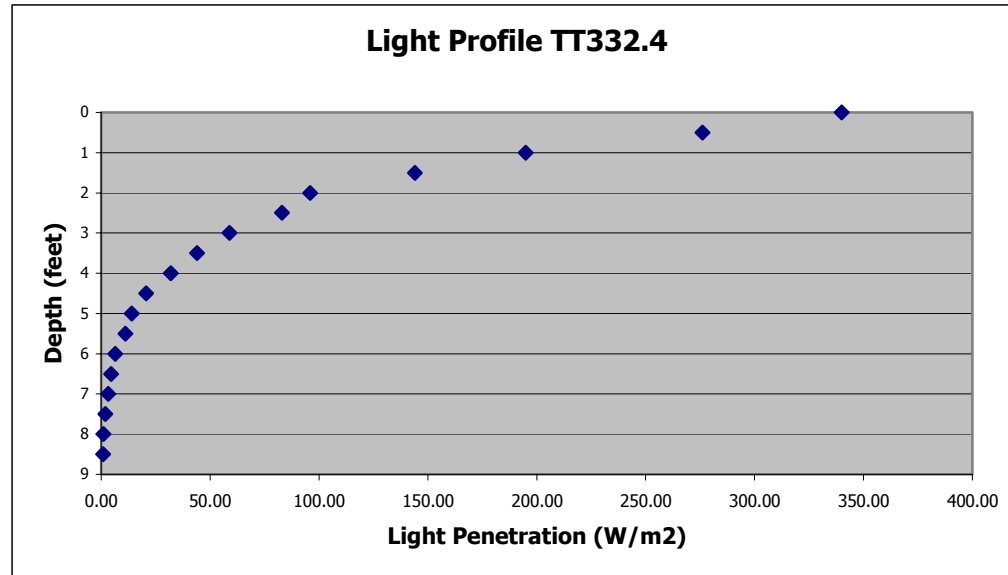
Depth (ft)	Light Penetration (W/m <sup>2</sup> )	Extinction (%)
Surface	220.22	68.2
0.5	178.96	55.1
1.0	133.52	40.6
1.5	108.98	33.0
2.0	75.59	23.0
2.5	57.85	17.9
3.0	44.35	13.8
3.5	32.67	10.2
4.0	22.87	7.1
4.5	17.91	5.5
5.0	14.03	4.3
5.5	10.54	3.2
6.0	8.17	2.5
6.5	6.48	2.0
7.0	4.52	1.4
8.0	2.74	0.8
9.0	1.39	0.4
15.3	0.00	0.0



= Photic Zone

Station 332.4  
 Water Column Light Profile  
 Tenn-Tom Waterway Water Quality Study  
 Columbus Mississippi  
 August 2005

Depth (ft)	Light Penetration (W/m <sup>2</sup> )	Extinction (%)
Surface	340	55.7
0.5	276	46.8
1.0	195	33.1
1.5	144	24.4
2.0	96	16.3
2.5	83	13.8
3.0	59	9.8
3.5	44	7.3
4.0	32	5.3
4.5	20.7	3.5
5.0	14.1	2.4
5.5	11.1	1.9
6.0	6.4	1.1
6.5	4.6	0.7
7.0	3.3	0.5
7.5	1.95	0.3
8.0	1.02	0.2
8.5	0.87	0.1



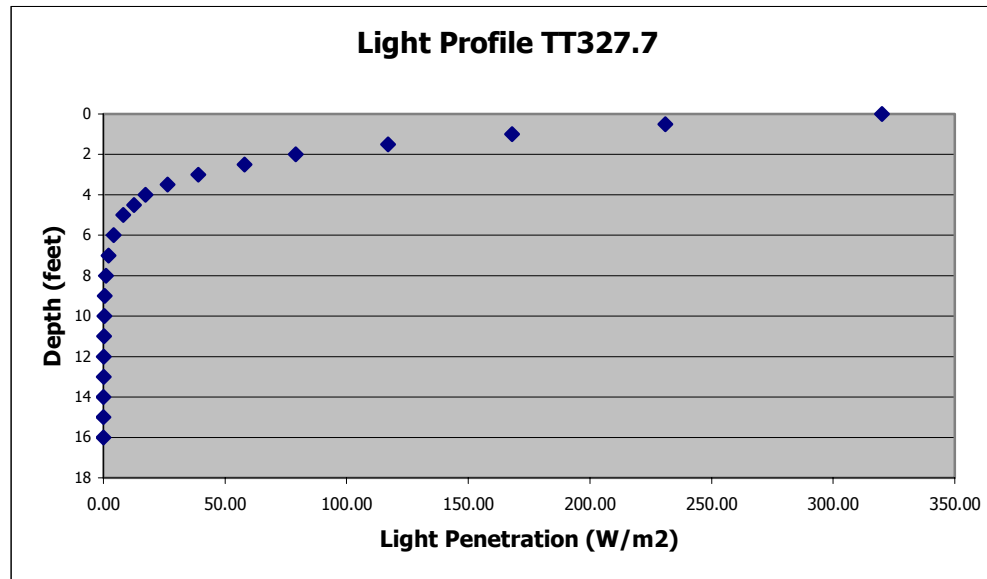
= Photic Zone



Station 327.7  
 Water Column Light Profile  
 Tenn-Tom Waterway Water Quality Study  
 Columbus Mississippi  
 August 2005

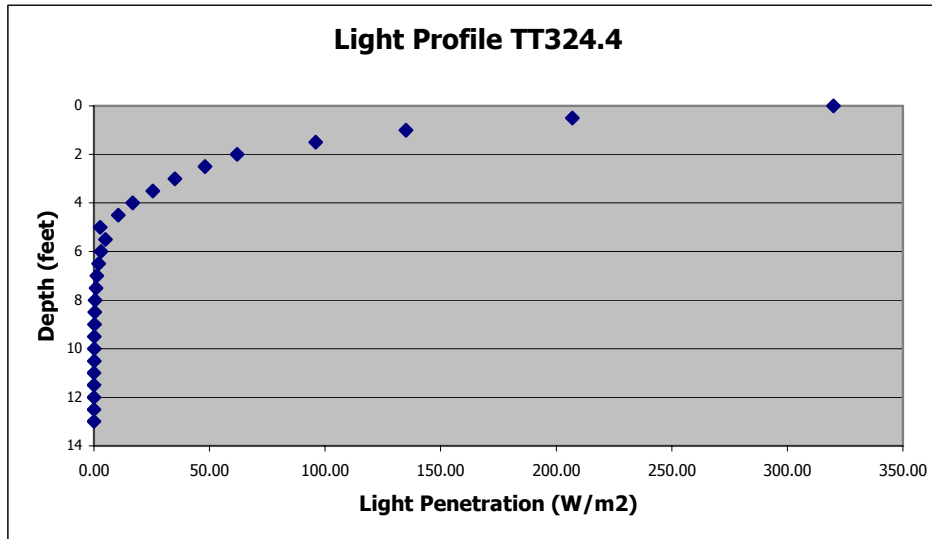
Depth (ft)	Light Penetration (W/m <sup>2</sup> )	Extinction (%)
Surface	320	55.2
0.5	231	39.2
1.0	168	28.5
1.5	117	20.2
2.0	79	13.9
2.5	58	10.0
3.0	39	6.8
3.5	26.4	4.6
4.0	17.4	3.1
4.5	12.6	2.2
5.0	8.1	1.4
6.0	4.2	0.7
7.0	2.04	0.4
8.0	1.11	0.2
9.0	0.59	0.1
10	0.34	0.1
11	0.2	0.0
12	0.12	0.0
13	0.09	0.0
14	0.06	0.0
15	0.05	0.0
16	0.05	0.0

= Photic Zone



Station 324.4  
 Water Column Light Profile  
 Tenn-Tom Waterway Water Quality Study  
 Columbus Mississippi  
 August 2005

Depth (ft)	Light Penetration (W/m <sup>2</sup> )	Extinction (%)
Surface	320	61.5
0.5	207	40.6
1.0	135	26.5
1.5	96	19.2
2.0	62	12.2
2.5	48	9.6
3.0	35	6.7
3.5	25.5	4.9
4.0	16.8	3.3
4.5	10.5	2.1
5.0	2.7	0.6
5.5	5	1.0
6.0	3.1	0.6
6.5	2.04	0.8
7.0	1.29	0.3
7.5	0.96	0.2
8.0	0.48	0.1
8.5	0.41	0.1
9.0	0.31	0.1
9.5	0.19	0.0
10.0	0.12	0.0
10.5	0.07	0.0
11.0	0.06	0.0
11.5	0.05	0.0
12.0	0.04	0.0
12.5	0.04	0.0
13.0	0.04	0.0

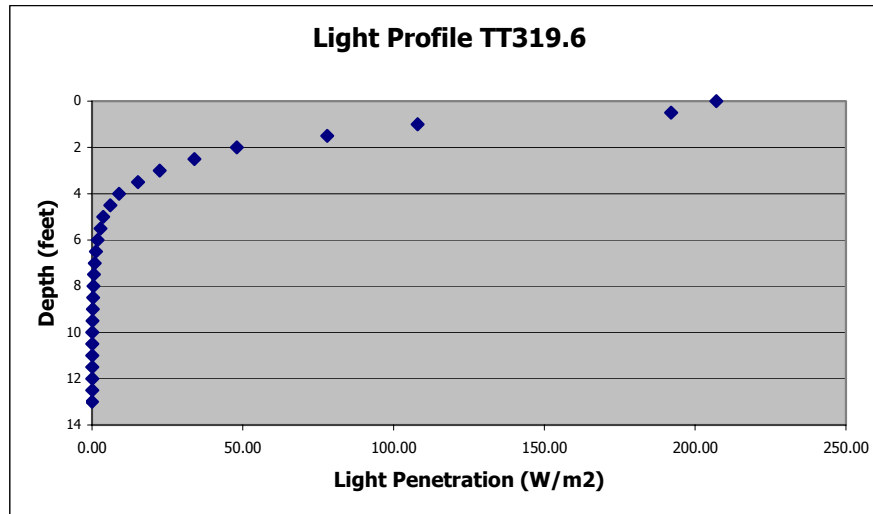


= Photic Zone

Station 319.6  
 Water Column Light Profile  
 Tenn-Tom Waterway Water Quality Study  
 Columbus Mississippi  
 August 2005

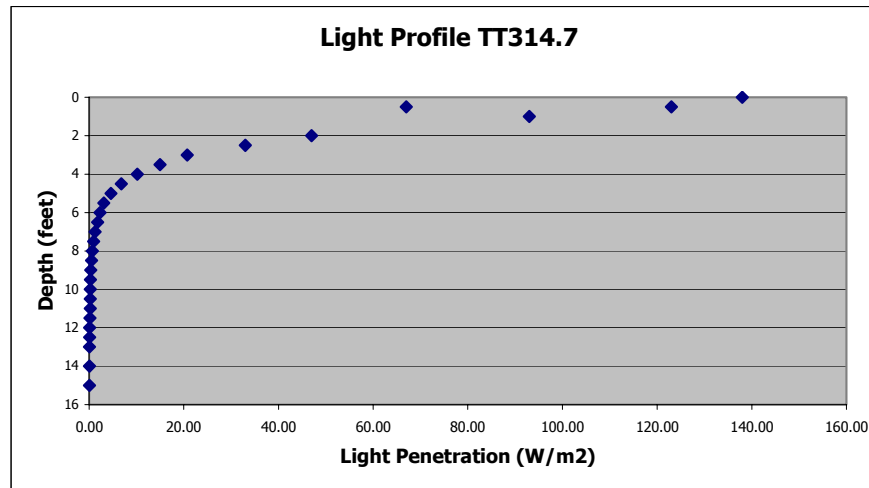
Depth (ft)	Light Penetration (W/m <sup>2</sup> )	Extinction (%)
Surface	207	47.0
0.5	192	44.7
1.0	108	24.5
1.5	78	18.1
2.0	48	11.2
2.5	34	7.9
3.0	22.5	5.2
3.5	15.3	3.6
4.0	9	2.1
4.5	6.1	1.5
5.0	3.7	0.9
5.5	2.82	0.7
6.0	1.86	0.4
6.5	1.29	0.3
7.0	0.9	0.2
7.5	0.65	0.2
8.0	0.47	0.1
8.5	0.34	0.1
9.0	0.24	0.1
9.5	0.18	0.0
10.0	0.14	0.0
10.5	0.11	0.0
11.0	0.08	0.0
11.5	0.07	0.0
12.0	0.06	0.0
12.5	0.05	0.0
13.0	0.04	0.0

= Photic Zone



Station 314.7  
 Water Column Light Profile  
 Tenn-Tom Waterway Water Quality Study  
 Columbus Mississippi  
 August 2005

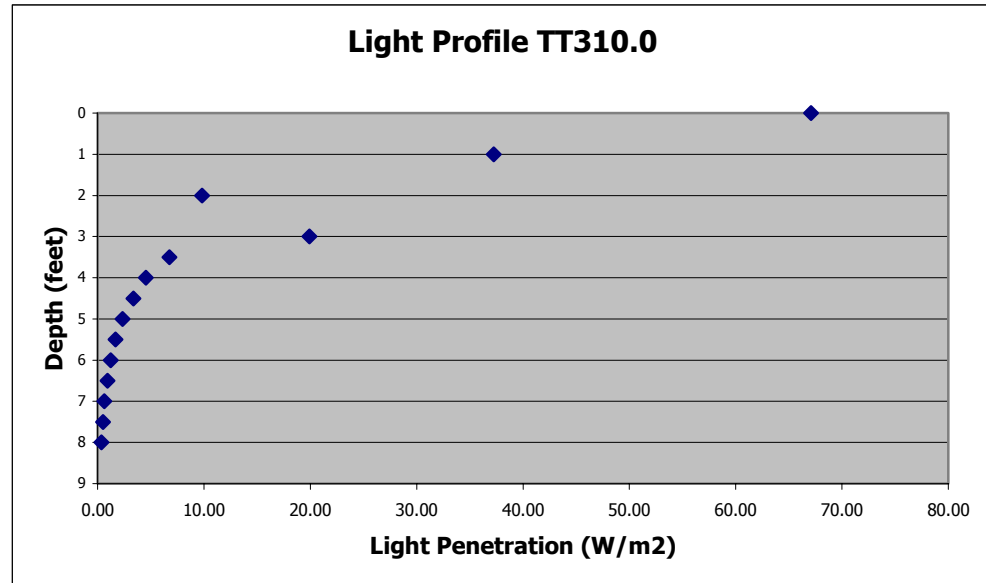
Depth (ft)	Light Penetration (W/m <sup>2</sup> )	Extinction (%)
Surface	138	81.2
0.5	123	39.7
1.0	93	29.1
0.5	67	20.9
2.0	47	14.7
2.5	33	10.3
3.0	20.7	6.5
3.5	15	4.7
4.0	10.2	3.2
4.5	6.8	2.1
5.0	4.6	1.4
5.5	3.1	0.9
6.0	2.31	0.7
6.5	1.8	0.5
7.0	1.23	0.4
7.5	0.93	0.3
8.0	0.68	0.2
8.5	0.51	0.2
9.0	0.35	0.1
9.5	0.27	0.1
10.0	0.22	0.1
10.5	0.23	0.1
11.0	0.21	0.1
11.5	0.17	0.1
12.0	0.12	0.0
12.5	0.1	0.0
13.0	0.04	0.0
14.0	0.03	0.0
15.0	0.03	0.0



= Photic Zone

Station 310.0  
 Water Column Light Profile  
 Tenn-Tom Waterway Water Quality Study  
 Columbus Mississippi  
 August 2005

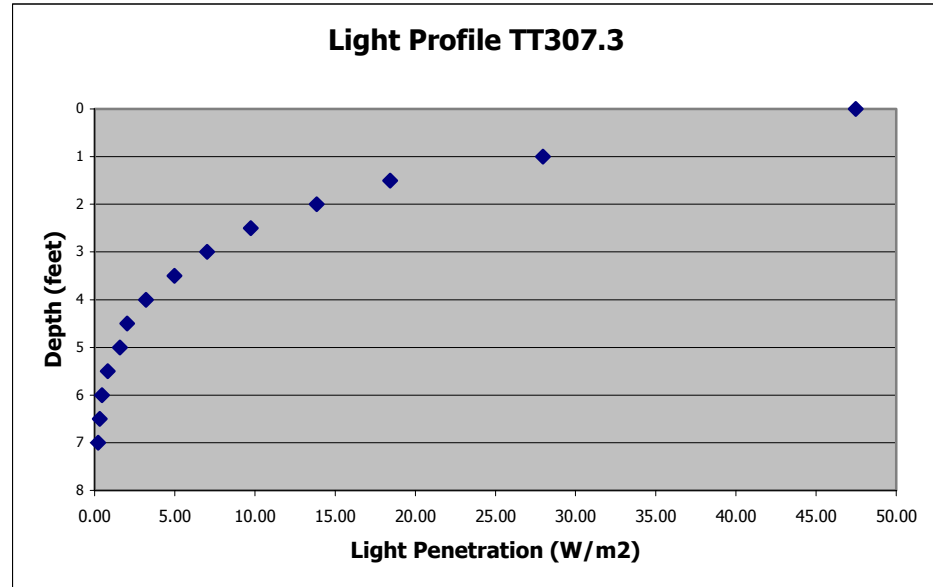
Depth (ft)	Light Penetration (W/m <sup>2</sup> )	Extinction (%)
Surface	67.09	56.9
1.0	37.24	31.9
2.0	9.83	8.7
3.0	19.91	17.7
3.5	6.75	6.0
4.0	4.54	4.0
4.5	3.36	3.0
5.0	2.34	2.1
5.5	1.70	1.6
6.0	1.23	1.1
6.5	0.94	0.9
7.0	0.63	0.6
7.5	0.52	0.5
8.0	0.35	0.3



= Photic Zone

Station 307.3  
 Water Column Light Profile  
 Tenn-Tom Waterway Water Quality Study  
 Columbus Mississippi  
 August 2005


Depth (ft)	Light Penetration (W/m <sup>2</sup> )	Extinction (%)
Water Surface	47.48	53.9
1.0	27.96	32.0
1.5	18.44	21.0
2.0	13.85	15.9
2.5	9.74	11.1
3.0	7.02	8.1
3.5	4.99	5.7
4.0	3.20	3.7
4.5	2.03	2.3
5.0	1.57	1.8
5.5	0.81	1.0
6.0	0.45	0.5
6.5	0.32	0.4
7.0	0.23	0.3

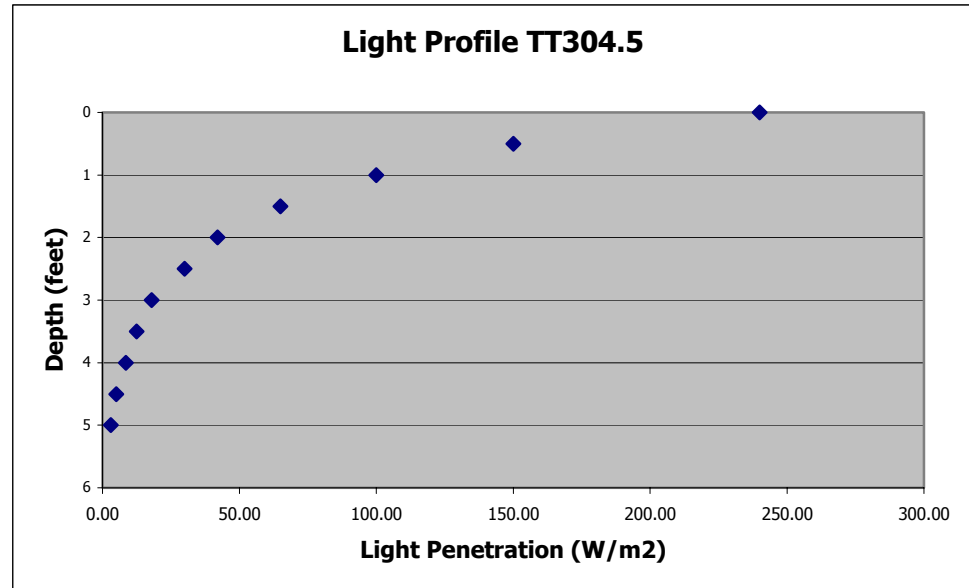


= Photic Zone

Station 304.5  
 Water Column Light Profile  
 Tenn-Tom Waterway Water Quality Study  
 Columbus Mississippi  
 August 2005

Depth (ft)	Light Penetration (W/m <sup>2</sup> )	Extinction (%)
Surface	240	80.0
0.5	150	53.6
1.0	100	35.7
1.5	65	22.4
2.0	42	14.5
2.5	30	10.3
3.0	18	6.2
3.5	12.5	4.3
4.0	8.5	2.9
4.5	5	1.7
5.0	3	1.1

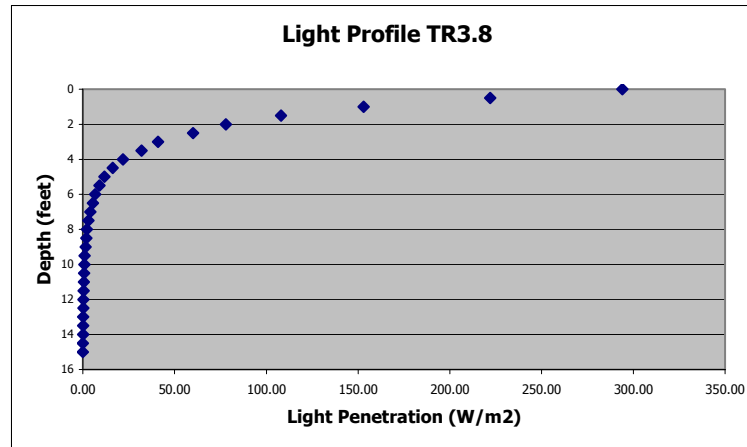
 = Photic Zone



Station TR3.8  
 Water Column Light Profile  
 Tenn-Tom Waterway Water Quality Study  
 Columbus Mississippi  
 August 2005

Depth (ft)	Light Penetration (W/m <sup>2</sup> )	Extinction (%)
Surface	294	70.0
0.5	222	51.6
1.0	153	35.6
1.5	108	25.1
2.0	78	18.6
2.5	60	14.3
3.0	41	9.8
3.5	32	7.6
4.0	21.9	5.1
4.5	16.2	3.8
5.0	11.7	2.8
5.5	9	2.1
6.0	6.7	1.6
6.5	5.4	1.3
7.0	4.1	1.0
7.5	2.97	0.7
8.0	2.16	0.5
8.5	1.89	0.4
9.0	1.47	0.3
9.5	0.96	0.2
10.0	0.78	0.2
10.5	0.67	0.1
11.0	0.48	0.1
11.5	0.36	0.1
12.0	0.27	0.1
12.5	0.22	0.0
13.0	0.17	0.0
13.5	0.13	0.0
14.0	0.08	0.0
14.5	0.05	0.0
15.0	0.02	0.0

= Photic Zone

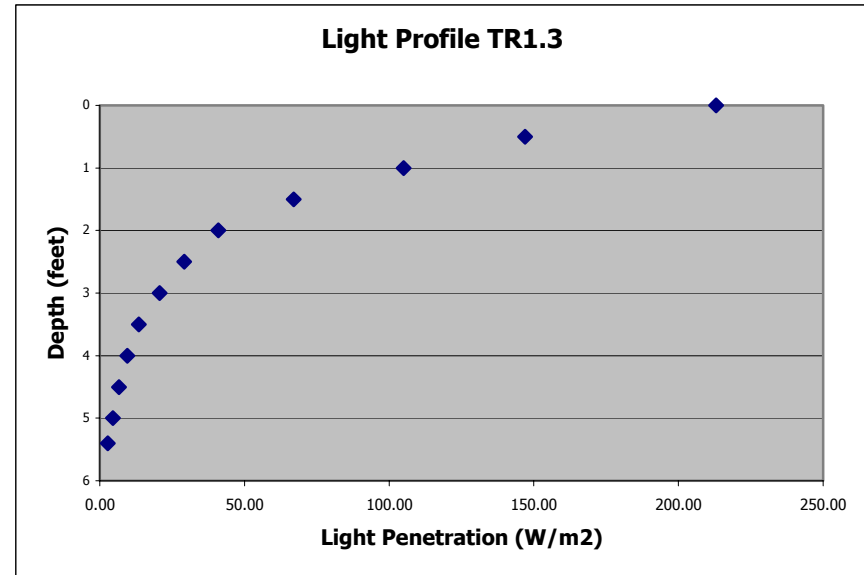




Station TR1.3  
 Water Column Light Profile  
 Tenn-Tom Waterway Water Quality Study  
 Columbus Mississippi  
 August 2005

Depth (ft)	Light Penetration (W/m <sup>2</sup> )	Extinction (%)
Surface	213	57.6
0.5	147	39.7
1.0	105	28.4
1.5	67	18.1
2.0	41	11.1
2.5	29.1	7.9
3.0	20.7	5.8
3.5	13.5	3.8
4.0	9.5	2.6
4.5	6.6	1.9
5.0	4.5	1.3
5.4	2.79	0.8

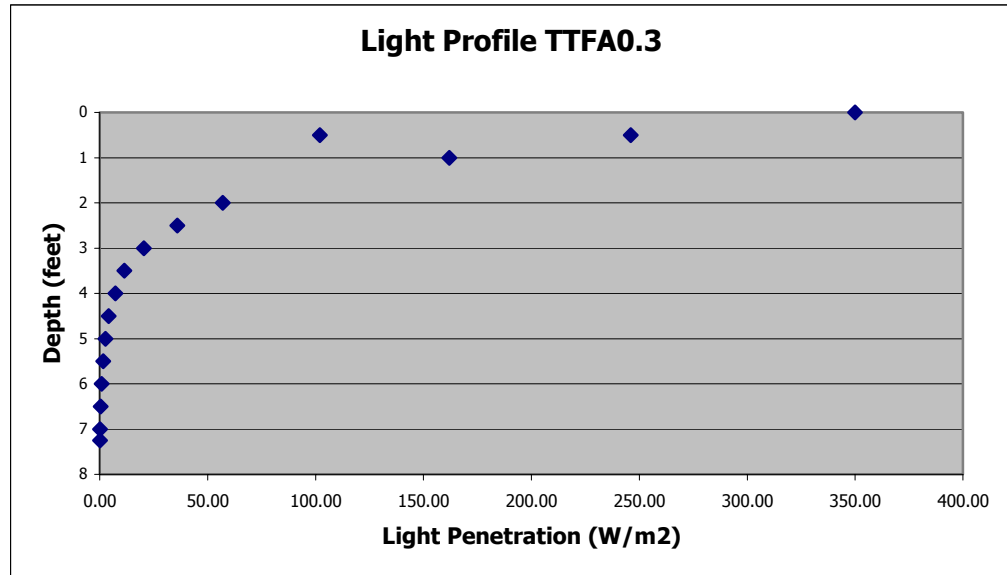
= Photic Zone



Station TTFA0.3  
 Water Column Light Profile  
 Tenn-Tom Waterway Water Quality Study  
 Columbus Mississippi  
 August 2005

Depth (ft)	Light Penetration (W/m <sup>2</sup> )	Extinction (%)
Surface	350	58.3
0.5	246	41.0
1.0	162	27.0
0.5	102	17.0
2.0	57	9.5
2.5	36	6.0
3.0	20	3.4
3.5	11	1.9
4.0	7	1.3
4.5	4	0.7
5.0	3	0.4
5.5	2	0.3
6.0	1	0.1
6.5	0	0.1
7.0	0	0.0
7.3	0	0.0

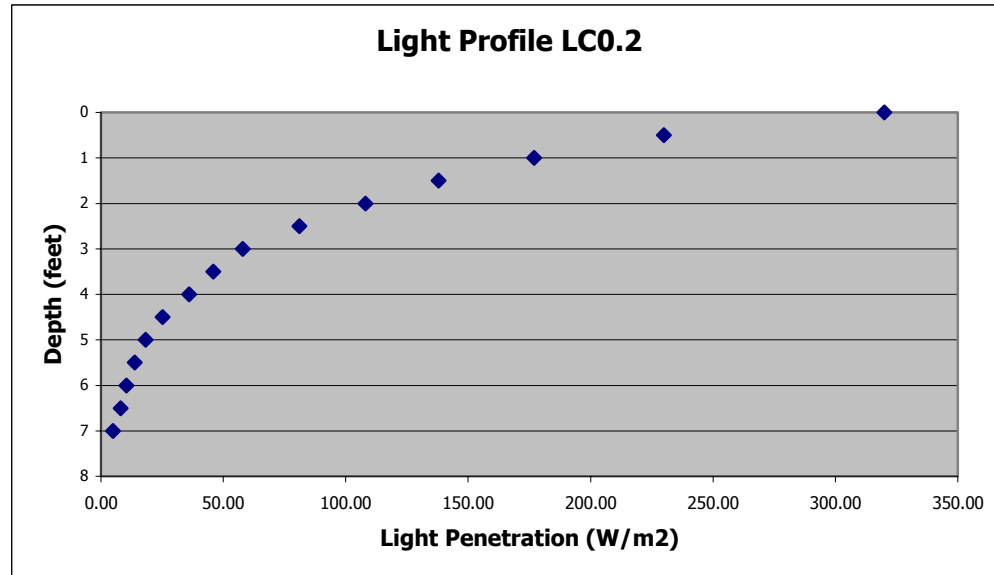
= Photic Zone



Station LC0.2  
 Water Column Light Profile  
 Tenn-Tom Waterway Water Quality Study  
 Columbus Mississippi  
 August 2005

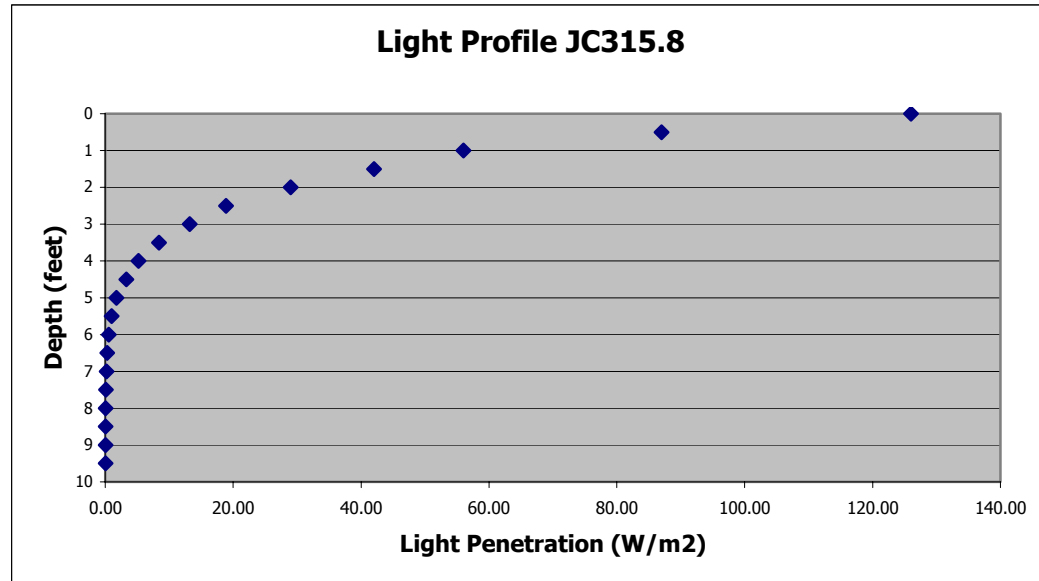
Depth (ft)	Light Penetration (W/m <sup>2</sup> )	Extinction (%)
Surface	320	53.3
0.5	230	38.3
1.0	177	29.5
1.5	138	23.4
2.0	108	18.3
2.5	81	13.7
3.0	58	9.8
3.5	46	7.8
4.0	36	6.1
4.5	25.2	4.3
5.0	18.3	3.1
5.5	13.8	2.3
6.0	10.5	1.8
6.5	8.1	1.4
7.0	4.9	0.8

= Photic Zone



Station JC315.8  
 Water Column Light Profile  
 Tenn-Tom Waterway Water Quality Study  
 Columbus Mississippi  
 August 2005

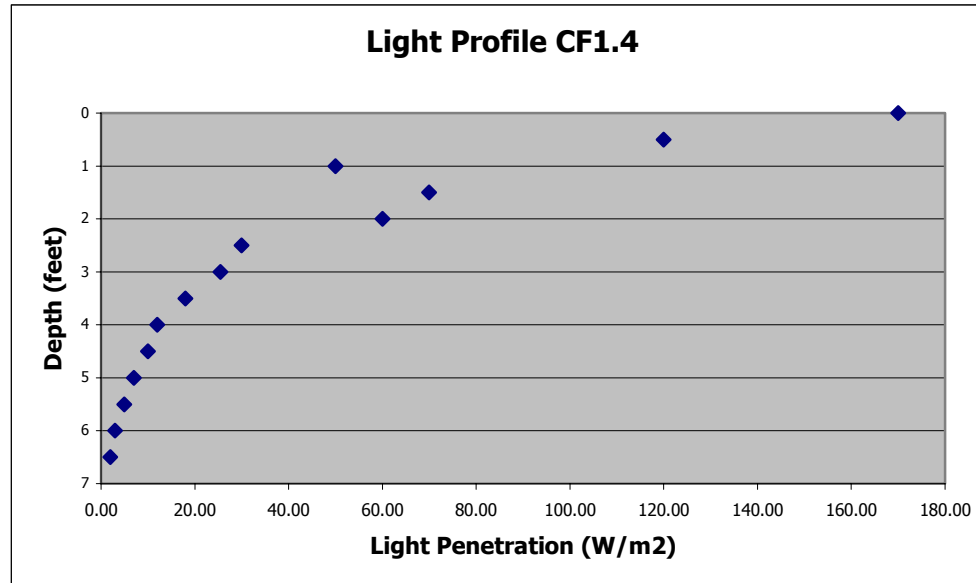
Depth (ft)	Light Penetration (W/m <sup>2</sup> )	Extinction (%)
Surface	126	31.5
0.5	87	21.8
1.0	56	14.0
1.5	42	10.5
2.0	29	7.3
2.5	18.9	4.7
3.0	13.2	3.4
3.5	8.4	2.2
4.0	5.2	1.3
4.5	3.3	0.9
5.0	1.77	0.5
5.5	1.02	0.3
6.0	0.56	0.2
6.5	0.32	0.1
7.0	0.18	0.1
7.5	0.08	0.0
8.0	0.04	0.0
8.5	0.03	0.0
9.0	0.03	0.0
9.5	0.03	0.0



█ = Photic Zone

Station CF1.4  
 Water Column Light Profile  
 Tenn-Tom Waterway Water Quality Study  
 Columbus Mississippi  
 August 2005

Depth (ft)	Light Penetration (W/m <sup>2</sup> )	Extinction (%)
Surface	170	63.0
0.5	120	40.0
1.0	50	20.0
1.5	70	15.2
2.0	60	13.0
2.5	30	6.2
3.0	25.5	5.0
3.5	18	3.5
4.0	12	2.3
4.5	10	1.9
5.0	7	1.3
5.5	5	0.9
6.0	3	0.6
6.5	2	0.4



■ = Photic Zone

**Appendix D**  
***In-Situ* Water Quality Data**

Sonde Summary  
 TT340 - 1 foot  
 August 2005

Date m/d/y	Time hh:mm:ss	Temp °C	SpCond uS/cm	DO mg/L	pH s.u.	Turbidity NTU
8/15/2005	17:32:00	33.36	191	10.76	8.51	8.2
8/15/2005	17:47:00	33.26	190	10.42	8.60	8.6
8/15/2005	18:02:00	32.89	190	10.30	8.56	9.4
8/15/2005	18:17:00	31.89	189	8.95	7.99	10.3
8/15/2005	18:32:00	33.18	191	10.12	8.62	8.6
8/15/2005	18:47:00	32.97	190	10.11	8.57	8.9
8/15/2005	19:02:00	33.45	191	9.81	8.63	7.8
8/15/2005	19:17:00	32.90	191	9.98	8.54	8.4
8/15/2005	19:32:00	32.97	191	9.99	8.57	9.4
8/15/2005	19:47:00	33.04	190	9.96	8.56	8.6
8/15/2005	20:02:00	33.54	193	9.52	8.58	7.2
8/15/2005	20:17:00	33.02	191	9.59	8.41	8.9
8/15/2005	20:32:00	33.31	192	9.45	8.48	7.7
8/15/2005	20:47:00	32.98	190	9.45	8.42	8.3
8/15/2005	21:02:00	32.25	189	9.32	8.12	8.7
8/15/2005	21:17:00	31.96	190	8.38	7.63	9.8
8/15/2005	21:32:00	32.10	190	8.75	7.97	8.7
8/15/2005	21:47:00	31.96	191	8.53	7.88	9.4
8/15/2005	22:02:00	31.80	190	8.26	7.67	9.4
8/15/2005	22:17:00	31.57	190	8.12	7.61	10.0
8/15/2005	22:32:00	31.99	191	8.47	7.89	9.1
8/15/2005	22:47:00	32.14	191	8.75	8.08	8.1
8/15/2005	23:02:00	31.53	190	8.07	7.57	10.8
8/15/2005	23:17:00	31.45	190	7.85	7.51	11.4
8/15/2005	23:32:00	31.48	190	8.06	7.58	10.0
8/15/2005	23:47:00	31.46	190	7.86	7.49	10.6
8/16/2005	0:02:00	31.53	190	8.09	7.63	9.4
8/16/2005	0:17:00	31.51	190	8.07	7.64	9.2
8/16/2005	0:32:00	31.49	190	7.99	7.63	9.8
8/16/2005	0:47:00	31.50	190	8.09	7.70	9.0
8/16/2005	1:02:00	31.49	190	8.07	7.69	9.0
8/16/2005	1:17:00	31.40	190	8.01	7.62	9.0
8/16/2005	1:32:00	31.34	190	7.86	7.57	8.9
8/16/2005	1:47:00	31.29	190	7.81	7.57	8.9
8/16/2005	2:02:00	31.25	190	7.59	7.50	9.2
8/16/2005	2:17:00	31.20	190	7.59	7.49	9.7
8/16/2005	2:32:00	31.18	190	7.61	7.51	9.3
8/16/2005	2:47:00	31.10	190	7.56	7.49	9.4
8/16/2005	3:02:00	31.11	190	7.54	7.49	9.5
8/16/2005	3:17:00	31.03	190	7.49	7.46	9.7
8/16/2005	3:32:00	30.96	190	7.50	7.45	9.7
8/16/2005	3:47:00	30.97	189	7.61	7.45	9.4
8/16/2005	4:02:00	30.94	189	7.63	7.47	9.4
8/16/2005	4:17:00	30.91	189	7.59	7.45	9.5

Sonde Summary  
 TT340 - 1 foot  
 August 2005

Date m/d/y	Time hh:mm:ss	Temp °C	SpCond uS/cm	DO mg/L	pH s.u.	Turbidity NTU
8/16/2005	4:32:00	30.87	189	7.44	7.41	10.0
8/16/2005	4:47:00	30.80	189	7.34	7.38	10.3
8/16/2005	5:02:00	30.76	189	7.23	7.34	10.5
8/16/2005	5:17:00	30.74	189	7.18	7.34	10.4
8/16/2005	5:32:00	30.74	189	7.33	7.36	9.5
8/16/2005	5:47:00	30.70	189	7.30	7.35	9.5
8/16/2005	6:02:00	30.68	189	7.09	7.29	10.7
8/16/2005	6:17:00	30.66	189	7.12	7.31	10.9
8/16/2005	6:32:00	30.63	189	7.09	7.31	10.1
8/16/2005	6:47:00	30.61	189	7.21	7.33	9.4
8/16/2005	7:02:00	30.61	189	7.25	7.34	9.7
8/16/2005	7:17:00	30.59	189	7.15	7.32	10.1
8/16/2005	7:32:00	30.59	189	7.06	7.30	10.2
8/16/2005	7:47:00	30.60	189	7.20	7.32	10.0
8/16/2005	8:02:00	30.60	189	7.21	7.32	10.1
8/16/2005	8:17:00	30.60	189	7.26	7.32	10.4
8/16/2005	8:32:00	30.62	189	7.48	7.37	9.7
8/16/2005	8:47:00	30.65	189	7.51	7.36	9.4
8/16/2005	9:02:00	30.66	189	7.75	7.43	9.0
8/16/2005	9:17:00	30.69	189	7.81	7.43	9.7
8/16/2005	9:32:00	30.83	189	8.11	7.51	9.0
8/16/2005	9:47:00	30.85	189	8.08	7.51	9.0
8/16/2005	10:02:00	30.93	189	8.20	7.56	9.0
8/16/2005	10:17:00	31.10	189	8.43	7.63	8.9
8/16/2005	10:32:00	31.12	189	8.70	7.71	8.9
8/16/2005	10:47:00	31.44	189	8.82	7.81	7.9
8/16/2005	11:02:00	31.63	190	8.99	7.91	7.3
8/16/2005	11:17:00	31.71	190	9.19	8.02	7.1
8/16/2005	11:32:00	31.92	190	9.27	8.04	7.8
8/16/2005	11:47:00	31.76	190	9.37	8.07	7.6
8/16/2005	12:02:00	31.73	190	9.43	8.11	7.7
8/16/2005	12:17:00	31.92	192	9.49	8.14	7.6
8/16/2005	12:32:00	32.18	193	9.43	8.12	3.8
8/16/2005	12:47:00	32.36	198	9.36	8.04	2.3
8/16/2005	13:02:00	32.11	205	9.62	8.11	7.6
8/16/2005	13:17:00	32.21	205	9.71	8.19	8.6
8/16/2005	13:32:00	32.37	204	9.80	8.25	8.9
8/16/2005	13:47:00	32.60	205	9.94	8.32	7.9
8/16/2005	14:02:00	32.62	204	9.93	8.32	8.5
8/16/2005	14:17:00	34.28	196	9.73	8.54	6.4
8/16/2005	14:32:00	32.79	203	10.24	8.47	8.1
8/16/2005	14:47:00	31.83	201	9.14	7.83	5.3
8/16/2005	15:02:00	32.66	210	10.24	8.46	4.8
8/16/2005	15:17:00	32.89	206	9.83	8.36	8.4
8/16/2005	15:32:00	33.34	204	9.77	8.39	7.7
8/16/2005	15:47:00	32.71	205	10.23	8.54	5.6



Sonde Summary  
 TT340 - 1 foot  
 August 2005

Date m/d/y	Time hh:mm:ss	Temp °C	SpCond uS/cm	DO mg/L	pH s.u.	Turbidity NTU
8/16/2005	16:02:00	33.10	205	10.25	8.60	7.2
8/16/2005	16:17:00	33.75	204	9.81	8.50	7.3
8/16/2005	16:32:00	31.30	207	8.69	7.61	10.6
8/16/2005	16:47:00	32.62	204	9.51	8.25	9.2
8/16/2005	17:02:00	32.93	203	9.64	8.47	8.6
8/16/2005	17:17:00	33.26	201	9.49	8.46	7.6
8/16/2005	17:32:00	33.04	201	9.42	8.39	7.7
8/16/2005	17:47:00	33.15	200	9.46	8.45	7.8
8/16/2005	18:02:00	33.10	200	9.45	8.42	7.8
8/16/2005	18:17:00	32.82	201	9.26	8.30	8.1
8/16/2005	18:32:00	33.04	198	9.34	8.39	7.3
8/16/2005	18:47:00	32.41	204	9.05	8.08	8.6
8/16/2005	19:02:00	32.75	200	9.17	8.31	7.7
8/16/2005	19:17:00	32.70	198	9.06	8.27	7.6
8/16/2005	19:32:00	32.25	201	8.82	7.95	8.6
8/16/2005	19:47:00	32.41	200	8.67	7.99	7.6
8/16/2005	20:02:00	32.44	198	8.94	8.22	7.3
8/16/2005	20:17:00	32.34	199	8.74	8.13	7.4
8/16/2005	20:32:00	32.39	199	8.78	8.08	7.2
8/16/2005	20:47:00	32.32	198	8.73	8.13	7.1
8/16/2005	21:02:00	32.20	201	8.69	8.07	7.1
8/16/2005	21:17:00	32.07	205	8.28	7.80	8.4
8/16/2005	21:32:00	32.01	204	8.22	7.83	9.1
8/16/2005	21:47:00	32.09	201	8.49	7.96	7.3
8/16/2005	22:02:00	32.07	200	8.62	7.99	7.1
8/16/2005	22:17:00	31.67	206	8.08	7.66	8.9
8/16/2005	22:32:00	31.78	203	8.26	7.80	7.9
8/16/2005	22:47:00	31.91	201	8.41	7.91	7.2
8/16/2005	23:02:00	31.75	203	8.29	7.79	7.6
8/16/2005	23:17:00	31.65	206	8.07	7.66	8.5
8/16/2005	23:32:00	31.60	205	8.01	7.69	8.6
8/16/2005	23:47:00	31.48	206	7.85	7.64	8.8
8/17/2005	0:02:00	31.36	210	7.84	7.56	8.9
8/17/2005	0:17:00	31.36	210	7.79	7.56	8.7
8/17/2005	0:32:00	31.34	210	7.76	7.55	8.3
8/17/2005	0:47:00	31.32	209	7.77	7.56	8.4
8/17/2005	1:02:00	31.32	210	7.76	7.55	8.4
8/17/2005	1:17:00	31.33	212	7.79	7.54	8.4
8/17/2005	1:32:00	31.21	216	7.59	7.45	9.2
8/17/2005	1:47:00	31.24	213	7.71	7.51	8.4
8/17/2005	2:02:00	31.19	212	7.63	7.47	9.1
8/17/2005	2:17:00	31.15	217	7.66	7.46	9.1
8/17/2005	2:32:00	31.09	216	7.52	7.42	9.2
8/17/2005	2:47:00	31.07	218	7.47	7.40	9.7
8/17/2005	3:02:00	31.06	221	7.40	7.39	9.4
8/17/2005	3:17:00	31.01	221	7.35	7.36	9.8

Sonde Summary  
 TT340 - 1 foot  
 August 2005

Date m/d/y	Time hh:mm:ss	Temp °C	SpCond uS/cm	DO mg/L	pH s.u.	Turbidity NTU
8/17/2005	3:32:00	30.96	220	7.17	7.32	10.8
8/17/2005	3:47:00	30.94	221	7.14	7.32	10.6
8/17/2005	4:02:00	30.96	220	7.21	7.35	10.0
8/17/2005	4:17:00	30.94	222	7.11	7.33	9.8
8/17/2005	4:32:00	30.90	222	7.03	7.30	10.5
8/17/2005	4:47:00	30.89	223	6.99	7.28	10.4
8/17/2005	5:02:00	30.87	221	6.86	7.26	10.3
8/17/2005	5:17:00	30.88	220	6.95	7.28	9.7
8/17/2005	5:32:00	30.88	222	6.93	7.28	9.9
8/17/2005	5:47:00	30.87	222	6.91	7.29	9.6
8/17/2005	6:02:00	30.84	225	6.91	7.28	10.0
8/17/2005	6:17:00	30.82	226	6.93	7.28	9.7
8/17/2005	6:32:00	30.81	226	6.78	7.25	9.8
8/17/2005	6:47:00	30.81	225	6.82	7.26	9.9
8/17/2005	7:02:00	30.79	224	6.83	7.27	9.8
8/17/2005	7:17:00	30.79	226	6.85	7.26	9.5
8/17/2005	7:32:00	30.78	226	6.95	7.25	9.6
8/17/2005	7:47:00	30.76	225	6.93	7.26	9.8
8/17/2005	8:02:00	30.76	226	6.94	7.26	10.0
8/17/2005	8:17:00	30.78	225	6.96	7.27	11.7
8/17/2005	8:32:00	30.83	224	7.12	7.30	11.3
8/17/2005	8:47:00	30.86	227	7.25	7.33	10.8
8/17/2005	9:02:00	30.86	228	7.39	7.35	10.1
8/17/2005	9:17:00	30.96	231	7.71	7.42	8.9
8/17/2005	9:32:00	30.95	230	7.75	7.41	9.0
8/17/2005	9:47:00	31.14	231	8.00	7.50	8.4
8/17/2005	10:02:00	31.04	231	8.13	7.53	8.3
8/17/2005	10:17:00	31.11	231	8.15	7.51	1.5
8/17/2005	10:32:00	31.09	230	8.39	7.52	8.6
8/17/2005	10:47:00	31.18	231	8.76	7.62	8.5
8/17/2005	11:02:00	31.68	230	9.04	7.74	7.9
8/17/2005	11:17:00	31.66	231	9.06	7.80	3.4
8/17/2005	11:32:00	31.61	230	9.02	7.84	7.9
8/17/2005	11:47:00	31.71	230	9.16	7.92	7.4
8/17/2005	12:02:00	31.70	229	9.32	8.05	5.9
8/17/2005	12:17:00	31.61	221	9.52	8.14	3.1
8/17/2005	12:32:00	33.03	224	9.18	8.07	1.1
8/17/2005	12:47:00	32.66	218	9.47	8.25	2.0
8/17/2005	13:02:00	33.22	222	9.32	8.27	2.3
8/17/2005	13:17:00	33.10	218	9.42	8.22	6.7
8/17/2005	13:32:00	31.81	221	9.35	8.07	6.9
<b>MAX</b>		34.28	231.00	10.76	8.63	11.70
<b>MIN</b>		30.59	189.00	6.78	7.25	1.10
<b>AVG</b>		31.68	203.14	8.35	7.78	8.57

Sonde Summary  
 TT340 - 5 Feet  
 August 2005

Date m/d/y	Time hh:mm:ss	Temp °C	SpCond uS/cm	DO mg/L	pH s.u.	Turbidity NTU
8/15/2005	17:32:00	30.86	195	7.38	6.85	11.9
8/15/2005	17:46:59	30.94	195	7.41	6.88	11.7
8/15/2005	18:02:00	30.99	195	7.47	6.95	11.4
8/15/2005	18:17:00	30.88	194	7.14	6.98	11.5
8/15/2005	18:32:00	30.80	195	6.96	6.96	12.1
8/15/2005	18:46:59	30.73	195	6.79	6.95	12.0
8/15/2005	19:02:00	31.11	195	7.59	7.10	11.2
8/15/2005	19:17:00	30.99	195	7.45	7.11	11.7
8/15/2005	19:32:00	30.86	194	7.16	7.06	12.0
8/15/2005	19:46:59	30.93	195	7.34	7.07	10.8
8/15/2005	20:02:00	30.89	195	7.22	7.05	11.1
8/15/2005	20:17:00	30.85	195	7.13	7.04	11.4
8/15/2005	20:32:00	30.77	195	6.94	7.02	12.0
8/15/2005	20:46:59	30.76	195	7.01	7.02	11.6
8/15/2005	21:02:00	30.79	195	7.00	7.01	11.8
8/15/2005	21:17:00	30.61	197	6.48	6.98	19.9
8/15/2005	21:32:00	31.24	197	7.48	7.17	11.7
8/15/2005	21:46:59	30.96	196	7.19	7.08	12.4
8/15/2005	22:02:00	31.09	196	7.44	7.16	11.5
8/15/2005	22:17:00	31.23	196	7.73	7.14	11.4
8/15/2005	22:31:59	31.00	197	7.08	7.08	13.2
8/15/2005	22:46:59	31.33	196	7.81	7.17	11.1
8/15/2005	23:02:00	31.14	197	7.49	7.15	11.4
8/15/2005	23:17:00	30.90	197	7.08	7.05	12.6
8/15/2005	23:31:59	30.94	197	7.12	7.04	13.1
8/15/2005	23:46:59	31.03	196	7.29	7.07	12.3
8/16/2005	0:02:00	31.08	196	7.45	7.13	11.8
8/16/2005	0:17:00	31.01	197	7.34	7.10	11.9
8/16/2005	0:31:59	30.93	196	7.20	7.07	12.1
8/16/2005	0:47:00	30.94	196	7.05	7.06	12.2
8/16/2005	1:02:00	31.02	197	7.13	7.07	11.4
8/16/2005	1:17:00	31.02	197	7.13	7.07	11.6
8/16/2005	1:31:59	31.22	197	7.37	7.12	11.0
8/16/2005	1:47:00	31.03	196	7.16	7.07	11.6
8/16/2005	2:02:00	31.02	197	7.16	7.06	11.4
8/16/2005	2:17:00	30.95	196	7.07	7.03	11.7
8/16/2005	2:31:59	30.96	195	7.40	7.09	10.7
8/16/2005	2:47:00	31.15	196	7.55	7.19	8.9
8/16/2005	3:02:00	31.00	196	7.39	7.15	10.6
8/16/2005	3:17:00	31.05	196	7.57	7.16	10.0
8/16/2005	3:31:59	31.02	196	7.60	7.18	9.8
8/16/2005	3:47:00	31.01	196	7.68	7.19	9.5
8/16/2005	4:02:00	30.95	196	7.60	7.15	9.4
8/16/2005	4:17:00	30.85	195	7.43	7.13	10.1

Sonde Summary  
 TT340 - 5 Feet  
 August 2005

Date m/d/y	Time hh:mm:ss	Temp °C	SpCond uS/cm	DO mg/L	pH s.u.	Turbidity NTU
8/16/2005	4:31:59	30.83	195	7.40	7.10	10.0
8/16/2005	4:47:00	30.81	195	7.24	7.08	10.2
8/16/2005	5:02:00	30.80	196	7.30	7.09	9.8
8/16/2005	5:17:00	30.77	196	7.29	7.10	9.6
8/16/2005	5:31:59	30.79	195	7.38	7.10	9.6
8/16/2005	5:47:00	30.75	196	7.20	7.08	10.4
8/16/2005	6:02:00	30.72	196	7.16	7.07	10.3
8/16/2005	6:17:00	30.72	196	7.20	7.07	9.7
8/16/2005	6:31:59	30.68	196	7.10	7.04	9.7
8/16/2005	6:47:00	30.66	196	7.27	7.09	9.2
8/16/2005	7:02:00	30.65	196	7.21	7.08	9.3
8/16/2005	7:16:59	30.64	196	7.16	7.08	9.2
8/16/2005	7:31:59	30.64	196	7.08	7.06	9.5
8/16/2005	7:47:00	30.63	196	7.19	7.08	9.1
8/16/2005	8:02:00	30.63	196	6.93	7.04	10.0
8/16/2005	8:16:59	30.60	196	6.97	7.01	10.2
8/16/2005	8:32:00	30.62	196	7.20	7.05	9.6
8/16/2005	8:47:00	30.61	196	7.22	7.06	9.5
8/16/2005	9:02:00	30.61	196	7.23	7.06	9.4
8/16/2005	9:16:59	30.58	196	7.07	7.05	9.4
8/16/2005	9:32:00	30.59	196	7.11	7.05	9.8
8/16/2005	9:47:00	30.56	196	7.09	7.04	9.7
8/16/2005	10:02:00	30.59	196	7.24	7.07	9.4
8/16/2005	10:16:59	30.60	196	7.31	7.07	9.4
8/16/2005	10:32:00	30.59	196	7.23	7.08	9.2
8/16/2005	10:47:00	30.59	196	7.28	7.07	9.4
8/16/2005	11:02:00	30.61	196	7.21	7.07	10.3
8/16/2005	11:16:59	30.60	196	7.16	7.06	9.9
8/16/2005	11:32:00	30.59	196	7.12	7.05	10.1
8/16/2005	11:47:00	30.58	196	7.22	7.05	10.0
8/16/2005	12:02:00	30.62	196	7.39	7.08	9.7
8/16/2005	12:16:59	30.62	198	7.49	7.12	9.6
8/16/2005	12:32:00	30.78	196	7.96	7.20	9.1
8/16/2005	12:47:00	30.88	196	8.17	7.32	9.2
8/16/2005	13:01:59	30.80	197	8.21	7.30	9.5
8/16/2005	13:16:59	30.85	196	8.47	7.43	9.0
8/16/2005	13:32:00	30.96	196	8.84	7.49	8.9
8/16/2005	13:47:00	30.77	197	8.17	7.39	9.2
8/16/2005	14:01:59	30.77	198	8.22	7.38	9.2
8/16/2005	14:16:59	30.84	198	8.40	7.34	9.1
8/16/2005	14:32:00	30.71	200	7.78	7.24	9.4
8/16/2005	14:47:00	31.05	204	8.02	7.36	9.7
8/16/2005	15:01:59	31.21	209	8.08	7.33	10.1
8/16/2005	15:16:59	31.04	210	7.88	7.22	10.5
8/16/2005	15:32:00	30.86	213	7.84	7.19	10.6
8/16/2005	15:47:00	30.96	215	8.25	7.27	10.4

Sonde Summary  
TT340 - 5 Feet  
August 2005

Date m/d/y	Time hh:mm:ss	Temp °C	SpCond uS/cm	DO mg/L	pH s.u.	Turbidity NTU
8/16/2005	16:01:59	30.92	215	8.12	7.26	10.8
8/16/2005	16:16:59	30.97	215	8.35	7.34	10.4
8/16/2005	16:32:00	31.00	212	7.77	7.23	12.3
8/16/2005	16:47:00	31.17	212	7.90	7.25	10.8
8/16/2005	17:01:59	31.40	213	8.52	7.48	12.0
8/16/2005	17:16:59	31.63	214	8.63	7.42	10.8
8/16/2005	17:32:00	31.36	215	8.24	7.39	11.1
8/16/2005	17:47:00	31.02	209	7.95	7.22	10.7
8/16/2005	18:01:59	31.26	213	8.30	7.37	10.0
8/16/2005	18:16:59	31.02	214	7.81	7.32	11.3
8/16/2005	18:32:00	31.34	216	8.30	7.26	10.7
8/16/2005	18:47:00	31.03	211	7.46	7.19	11.7
8/16/2005	19:01:59	31.34	212	7.83	7.28	11.3
8/16/2005	19:16:59	31.67	213	8.35	7.35	9.7
8/16/2005	19:32:00	31.16	216	7.93	7.24	10.9
8/16/2005	19:47:00	31.28	217	7.86	7.20	10.9
8/16/2005	20:01:59	31.24	215	7.66	7.19	11.3
8/16/2005	20:17:00	31.20	214	7.61	7.16	11.4
8/16/2005	20:32:00	31.22	214	7.60	7.19	11.5
8/16/2005	20:47:00	31.21	213	7.57	7.17	10.5
8/16/2005	21:01:59	31.25	214	7.68	7.20	10.3
8/16/2005	21:17:00	31.33	213	7.87	7.23	10.1
8/16/2005	21:32:00	31.27	218	7.81	7.25	10.5
8/16/2005	21:47:00	31.26	224	7.82	7.24	10.5
8/16/2005	22:01:59	31.28	224	7.79	7.19	10.5
8/16/2005	22:17:00	31.26	223	7.77	7.20	11.1
8/16/2005	22:32:00	31.30	221	7.76	7.22	10.1
8/16/2005	22:47:00	31.50	217	7.68	7.23	8.8
8/16/2005	23:01:59	31.26	222	7.67	7.19	10.4
8/16/2005	23:17:00	31.14	217	7.49	7.19	10.9
8/16/2005	23:32:00	31.23	220	7.57	7.17	10.5
8/16/2005	23:47:00	31.26	219	7.64	7.21	10.3
8/17/2005	0:01:59	31.29	225	7.70	7.20	10.4
8/17/2005	0:17:00	31.33	220	7.86	7.30	9.6
8/17/2005	0:32:00	31.37	218	7.91	7.32	8.7
8/17/2005	0:47:00	31.37	216	7.94	7.35	8.3
8/17/2005	1:01:59	31.35	218	7.82	7.32	8.6
8/17/2005	1:17:00	31.33	221	7.87	7.31	9.5
8/17/2005	1:32:00	31.21	224	7.63	7.25	9.7
8/17/2005	1:47:00	31.26	220	7.78	7.26	8.7
8/17/2005	2:01:59	31.09	222	7.44	7.17	10.6
8/17/2005	2:17:00	30.93	223	7.03	7.09	11.6
8/17/2005	2:32:00	31.04	227	7.24	7.11	10.3
8/17/2005	2:47:00	31.07	227	7.33	7.15	10.4
8/17/2005	3:01:59	31.09	229	7.40	7.16	10.1
8/17/2005	3:17:00	31.06	228	7.38	7.12	9.7

Sonde Summary  
TT340 - 5 Feet  
August 2005

Date m/d/y	Time hh:mm:ss	Temp °C	SpCond uS/cm	DO mg/L	pH s.u.	Turbidity NTU
8/17/2005	3:32:00	30.93	228	6.93	7.05	10.9
8/17/2005	3:47:00	30.97	227	7.15	7.07	10.6
8/17/2005	4:01:59	30.93	226	6.93	7.08	10.6
8/17/2005	4:17:00	30.97	229	7.07	7.08	10.4
8/17/2005	4:32:00	30.94	228	7.04	7.07	10.7
8/17/2005	4:47:00	30.94	231	7.06	7.06	10.1
8/17/2005	5:01:59	30.91	228	6.97	7.05	10.9
8/17/2005	5:17:00	30.92	227	7.11	7.08	9.8
8/17/2005	5:32:00	30.93	228	7.10	7.08	10.1
8/17/2005	5:47:00	30.92	229	7.09	7.09	9.5
8/17/2005	6:01:59	30.89	232	7.06	7.08	9.8
8/17/2005	6:17:00	30.87	232	7.08	7.06	9.5
8/17/2005	6:32:00	30.87	232	6.92	7.04	9.7
8/17/2005	6:46:59	30.86	231	6.98	7.06	10.0
8/17/2005	7:01:59	30.84	231	6.97	7.05	9.8
8/17/2005	7:17:00	30.83	232	6.96	7.05	9.2
8/17/2005	7:32:00	30.82	233	6.95	7.03	9.8
8/17/2005	7:46:59	30.81	232	6.96	7.05	9.4
8/17/2005	8:01:59	30.79	234	6.92	7.03	10.0
8/17/2005	8:17:00	30.79	235	6.87	7.03	10.4
8/17/2005	8:32:00	30.79	236	6.89	7.03	10.1
8/17/2005	8:46:59	30.79	236	6.96	7.05	9.8
8/17/2005	9:01:59	30.78	238	6.92	7.04	9.5
8/17/2005	9:17:00	30.78	237	6.93	7.05	9.5
8/17/2005	9:32:00	30.78	237	6.98	7.03	11.2
8/17/2005	9:46:59	30.77	237	6.90	7.05	9.7
8/17/2005	10:01:59	30.77	239	6.88	7.05	9.6
8/17/2005	10:17:00	30.77	238	6.92	7.04	9.5
8/17/2005	10:32:00	30.77	238	6.92	7.04	9.6
8/17/2005	10:46:59	30.78	238	6.91	7.07	9.5
8/17/2005	11:02:00	30.81	238	7.03	7.09	9.0
8/17/2005	11:17:00	30.79	238	6.92	7.08	10.3
8/17/2005	11:32:00	30.78	236	7.01	7.06	9.2
8/17/2005	11:46:59	30.80	234	7.14	7.07	8.9
8/17/2005	12:02:00	30.76	239	6.92	7.05	9.4
8/17/2005	12:17:00	30.80	239	7.12	7.06	9.8
8/17/2005	12:32:00	30.79	240	7.11	7.08	9.7
8/17/2005	12:46:59	30.79	241	7.06	7.07	9.8
8/17/2005	13:02:00	30.79	241	6.98	7.05	9.8
8/17/2005	13:17:00	30.75	245	6.85	7.03	9.5
8/17/2005	13:32:00	30.84	239	7.28	7.08	9.7
<b>MAX</b>		31.67	245.00	8.84	7.49	19.90
<b>MIN</b>		30.56	194.00	6.48	6.85	8.30
<b>AVG</b>		30.94	210.98	7.41	7.13	10.39

Sonde Summary  
 TT340 - Lower Layer  
 August 2005

Date m/d/y	Time hh:mm:ss	Temp °C	SpCond uS/cm	DO mg/L	pH s.u.	Turbidity NTU
8/15/2005	17:32:00	30.49	275	6.78	7.46	16.6
8/15/2005	17:47:00	30.31	372	5.82	6.85	29.2
8/15/2005	18:01:59	30.34	373	5.78	6.84	25.8
8/15/2005	18:17:00	30.27	370	5.78	6.83	18.4
8/15/2005	18:32:00	30.26	369	5.74	6.83	19.2
8/15/2005	18:47:00	30.28	369	5.74	6.85	17.9
8/15/2005	19:01:59	30.27	369	5.66	6.83	19.4
8/15/2005	19:17:00	30.28	369	5.66	6.85	17.8
8/15/2005	19:32:00	30.24	370	5.62	6.84	17.0
8/15/2005	19:47:00	30.25	369	5.57	6.82	19.4
8/15/2005	20:01:59	30.30	369	5.68	6.86	19.4
8/15/2005	20:17:00	30.27	371	5.82	6.87	19.2
8/15/2005	20:32:00	30.25	371	5.75	6.86	16.9
8/15/2005	20:47:00	30.23	372	5.79	6.86	16.9
8/15/2005	21:01:59	30.22	372	5.80	6.87	16.9
8/15/2005	21:17:00	30.24	373	5.94	6.89	19.3
8/15/2005	21:32:00	30.31	373	5.73	6.87	21.7
8/15/2005	21:47:00	30.30	372	5.77	6.87	18.0
8/15/2005	22:01:59	30.34	373	5.90	6.87	17.6
8/15/2005	22:17:00	30.60	375	6.27	6.95	17.9
8/15/2005	22:32:00	30.49	375	6.10	6.91	18.8
8/15/2005	22:47:00	30.53	376	6.17	6.92	17.8
8/15/2005	23:01:59	30.58	377	6.32	6.96	17.0
8/15/2005	23:17:00	30.56	376	6.19	6.93	17.3
8/15/2005	23:32:00	30.51	378	6.00	6.90	18.7
8/15/2005	23:47:00	30.50	378	5.95	6.90	17.7
8/16/2005	0:01:59	30.49	378	5.80	6.89	17.5
8/16/2005	0:17:00	30.50	379	5.84	6.90	17.1
8/16/2005	0:32:00	30.49	379	5.81	6.89	17.6
8/16/2005	0:47:00	30.46	380	5.62	6.89	17.1
8/16/2005	1:01:59	30.50	379	5.73	6.89	17.3
8/16/2005	1:17:00	30.52	380	5.76	6.89	15.9
8/16/2005	1:32:00	30.58	376	6.21	6.90	15.2
8/16/2005	1:46:59	30.54	376	6.05	6.88	15.9
8/16/2005	2:01:59	30.54	378	6.09	6.90	14.7
8/16/2005	2:17:00	30.54	380	6.14	6.90	14.4
8/16/2005	2:32:00	30.51	378	6.04	6.89	14.5
8/16/2005	2:46:59	30.52	380	6.07	6.88	13.8
8/16/2005	3:01:59	30.45	381	5.70	6.83	14.1
8/16/2005	3:17:00	30.53	379	6.24	6.91	13.8
8/16/2005	3:32:00	30.51	379	6.11	6.90	14.7
8/16/2005	3:46:59	30.59	378	6.66	6.95	12.3
8/16/2005	4:01:59	30.52	382	6.45	6.92	12.5
8/16/2005	4:17:00	30.60	384	6.64	6.97	12.0

Sonde Summary  
 TT340 - Lower Layer  
 August 2005

Date m/d/y	Time hh:mm:ss	Temp °C	SpCond uS/cm	DO mg/L	pH s.u.	Turbidity NTU
8/16/2005	4:32:00	30.51	389	6.39	6.90	12.9
8/16/2005	4:46:59	30.48	392	6.48	6.93	13.0
8/16/2005	5:02:00	30.50	392	6.34	6.91	13.0
8/16/2005	5:17:00	30.56	390	6.54	6.94	12.8
8/16/2005	5:32:00	30.61	391	6.61	6.96	13.0
8/16/2005	5:46:59	30.61	391	6.69	6.97	11.8
8/16/2005	6:02:00	30.64	389	6.80	6.98	12.3
8/16/2005	6:17:00	30.45	392	6.09	6.86	12.7
8/16/2005	6:32:00	30.58	392	6.53	6.93	11.5
8/16/2005	6:46:59	30.57	392	6.51	6.93	11.9
8/16/2005	7:02:00	30.58	392	6.82	6.97	10.4
8/16/2005	7:17:00	30.55	391	6.58	6.94	11.9
8/16/2005	7:32:00	30.53	396	6.41	6.91	11.3
8/16/2005	7:46:59	30.49	398	6.34	6.90	11.4
8/16/2005	8:02:00	30.47	398	6.25	6.88	11.5
8/16/2005	8:17:00	30.48	399	6.54	6.92	10.9
8/16/2005	8:32:00	30.45	401	6.36	6.89	13.2
8/16/2005	8:46:59	30.45	403	6.62	6.92	11.1
8/16/2005	9:02:00	30.42	406	6.39	6.89	11.9
8/16/2005	9:17:00	30.41	401	6.15	6.86	13.7
8/16/2005	9:32:00	30.43	390	6.32	6.89	14.4
8/16/2005	9:46:59	30.43	398	6.54	6.92	18.8
8/16/2005	10:02:00	30.43	395	6.44	6.91	18.5
8/16/2005	10:17:00	30.42	397	6.56	6.93	14.7
8/16/2005	10:32:00	30.40	398	6.75	6.95	12.8
8/16/2005	10:46:59	30.39	401	6.77	6.95	12.0
8/16/2005	11:02:00	30.38	397	6.73	6.95	12.2
8/16/2005	11:17:00	30.38	400	6.63	6.94	13.8
8/16/2005	11:32:00	30.38	403	6.57	6.94	19.1
8/16/2005	11:46:59	30.37	405	6.62	6.93	13.8
8/16/2005	12:02:00	30.36	408	6.62	6.92	13.0
8/16/2005	12:17:00	30.36	405	6.71	6.95	11.6
8/16/2005	12:31:59	30.36	405	6.63	6.93	11.9
8/16/2005	12:46:59	30.35	408	6.52	6.92	13.6
8/16/2005	13:02:00	30.35	411	6.37	6.91	14.9
8/16/2005	13:17:00	30.35	412	6.39	6.91	15.0
8/16/2005	13:31:59	30.35	414	6.44	6.91	17.2
8/16/2005	13:46:59	30.35	415	6.42	6.90	18.8
8/16/2005	14:02:00	30.36	416	6.53	6.94	16.5
8/16/2005	14:17:00	30.36	415	6.54	6.92	15.8
8/16/2005	14:31:59	30.34	412	6.28	6.89	19.6
8/16/2005	14:46:59	30.34	414	6.49	6.92	15.1
8/16/2005	15:02:00	30.34	422	6.69	6.93	11.3
8/16/2005	15:17:00	30.31	427	6.47	6.91	19.0
8/16/2005	15:31:59	30.29	432	6.53	6.91	13.6
8/16/2005	15:46:59	30.32	431	6.53	6.90	12.8



Sonde Summary  
 TT340 - Lower Layer  
 August 2005

Date m/d/y	Time hh:mm:ss	Temp °C	SpCond uS/cm	DO mg/L	pH s.u.	Turbidity NTU
8/16/2005	16:02:00	30.31	428	6.52	6.91	11.9
8/16/2005	16:17:00	30.29	430	6.47	6.90	11.9
8/16/2005	16:31:59	30.33	431	6.31	6.88	19.5
8/16/2005	16:46:59	30.30	432	6.24	6.89	21.9
8/16/2005	17:02:00	30.44	436	6.39	6.91	18.2
8/16/2005	17:17:00	30.47	437	6.39	6.92	16.1
8/16/2005	17:31:59	30.29	440	6.02	6.85	16.7
8/16/2005	17:46:59	30.41	441	6.46	6.89	13.5
8/16/2005	18:02:00	30.36	446	6.34	6.88	15.1
8/16/2005	18:17:00	30.30	444	5.97	6.84	14.9
8/16/2005	18:31:59	30.31	444	6.11	6.83	14.2
8/16/2005	18:46:59	30.62	442	6.92	6.99	12.9
8/16/2005	19:02:00	30.62	450	6.87	6.98	13.7
8/16/2005	19:17:00	30.48	447	6.52	6.93	16.9
8/16/2005	19:31:59	30.43	449	6.42	6.91	17.2
8/16/2005	19:47:00	30.63	453	6.55	6.92	15.6
8/16/2005	20:02:00	30.58	454	6.55	6.93	16.4
8/16/2005	20:17:00	30.64	450	6.53	6.93	14.5
8/16/2005	20:31:59	30.53	450	6.24	6.89	17.2
8/16/2005	20:47:00	30.52	449	6.35	6.90	14.8
8/16/2005	21:02:00	30.67	450	6.71	6.97	17.6
8/16/2005	21:17:00	30.75	453	6.56	6.94	15.3
8/16/2005	21:31:59	30.72	452	6.81	6.99	14.8
8/16/2005	21:47:00	30.67	454	6.68	6.97	14.8
8/16/2005	22:02:00	30.63	457	6.78	6.93	14.4
8/16/2005	22:17:00	30.79	460	7.02	7.01	12.7
8/16/2005	22:31:59	30.77	459	6.94	7.01	14.7
8/16/2005	22:47:00	30.81	460	6.77	6.96	14.0
8/16/2005	23:02:00	30.67	461	6.57	6.99	17.8
8/16/2005	23:17:00	30.79	466	6.94	7.01	13.3
8/16/2005	23:31:59	30.69	457	6.47	6.93	15.1
8/16/2005	23:47:00	30.78	474	6.87	6.98	13.4
8/17/2005	0:02:00	30.70	472	6.67	6.94	13.6
8/17/2005	0:16:59	30.68	469	6.62	6.95	14.0
8/17/2005	0:31:59	30.60	466	6.36	6.90	15.0
8/17/2005	0:47:00	30.72	470	6.61	6.93	14.3
8/17/2005	1:02:00	30.73	467	6.52	6.94	15.5
8/17/2005	1:16:59	30.72	470	6.38	6.90	15.0
8/17/2005	1:31:59	31.14	468	7.54	7.17	9.9
8/17/2005	1:47:00	30.67	470	6.29	6.89	15.3
8/17/2005	2:02:00	30.59	463	6.01	6.86	15.7
8/17/2005	2:16:59	30.74	466	6.46	6.91	12.6
8/17/2005	2:31:59	30.73	467	6.50	6.94	12.4
8/17/2005	2:47:00	30.71	464	6.11	6.89	13.0
8/17/2005	3:02:00	30.70	466	6.09	6.90	14.5
8/17/2005	3:16:59	30.83	469	6.69	6.95	12.2

Sonde Summary  
 TT340 - Lower Layer  
 August 2005

Date m/d/y	Time hh:mm:ss	Temp °C	SpCond uS/cm	DO mg/L	pH s.u.	Turbidity NTU
8/17/2005	3:31:59	30.74	468	6.36	6.92	13.3
8/17/2005	3:47:00	30.83	468	6.67	6.96	11.7
8/17/2005	4:02:00	30.71	466	6.26	6.90	13.2
8/17/2005	4:16:59	30.78	467	6.52	6.96	12.0
8/17/2005	4:31:59	30.76	469	6.37	6.92	12.9
8/17/2005	4:47:00	30.84	474	6.67	6.98	11.5
8/17/2005	5:02:00	30.66	468	6.01	6.86	13.3
8/17/2005	5:16:59	30.70	468	6.23	6.90	12.4
8/17/2005	5:31:59	30.72	464	6.26	6.90	12.0
8/17/2005	5:47:00	30.71	465	6.30	6.91	11.8
8/17/2005	6:02:00	30.76	469	6.48	6.94	10.9
8/17/2005	6:16:59	30.76	469	6.50	6.95	11.1
8/17/2005	6:32:00	30.73	468	6.40	6.92	11.4
8/17/2005	6:47:00	30.73	463	6.41	6.93	11.1
8/17/2005	7:02:00	30.73	434	6.39	6.92	10.9
8/17/2005	7:16:59	30.70	421	6.25	6.89	11.2
8/17/2005	7:32:00	30.70	430	6.30	6.91	10.9
8/17/2005	7:47:00	30.70	433	6.36	6.91	10.9
8/17/2005	8:02:00	30.68	433	6.45	6.93	10.5
8/17/2005	8:16:59	30.66	429	6.31	6.90	10.9
8/17/2005	8:32:00	30.65	419	6.23	6.89	11.2
8/17/2005	8:47:00	30.62	417	6.18	6.89	12.4
8/17/2005	9:02:00	30.65	425	6.36	6.93	13.7
8/17/2005	9:16:59	30.62	425	6.38	6.93	11.4
8/17/2005	9:32:00	30.62	424	6.33	6.92	11.4
8/17/2005	9:47:00	30.60	424	6.30	6.91	11.9
8/17/2005	10:02:00	30.59	424	6.22	6.91	13.0
8/17/2005	10:16:59	30.60	424	6.30	6.91	12.5
8/17/2005	10:32:00	30.59	425	6.38	6.93	11.8
8/17/2005	10:47:00	30.59	425	6.31	6.93	12.1
8/17/2005	11:02:00	30.60	426	6.39	6.94	11.5
8/17/2005	11:16:59	30.60	425	6.38	6.94	13.1
8/17/2005	11:32:00	30.61	425	6.37	6.94	12.6
8/17/2005	11:47:00	30.60	425	6.33	6.92	13.1
8/17/2005	12:02:00	30.60	423	6.24	6.92	17.0
8/17/2005	12:16:59	30.59	426	6.24	6.91	14.1
8/17/2005	12:32:00	30.57	423	6.13	6.90	14.7
8/17/2005	12:47:00	30.56	416	6.08	6.89	15.6
8/17/2005	13:02:00	30.55	417	6.08	6.90	15.3
8/17/2005	13:16:59	30.55	415	6.00	6.88	14.6
8/17/2005	13:32:00	30.55	419	6.15	6.90	11.6
<b>MAX</b>		31.14	474.00	7.54	7.46	29.20
<b>MIN</b>		30.22	275.00	5.57	6.82	9.90
<b>AVG</b>		30.53	417.17	6.33	6.92	14.61

Sonde Summary  
 TT336 - 1 Foot  
 August 2005

Date m/d/y	Time hh:mm:ss	Temp °C	SpCond uS/cm	DO mg/L	pH s.u.	Turbidity NTU
8/11/2005	10:59:59	30.95	295	8.32	7.69	8.3
8/11/2005	11:15:00	31.15	296	8.59	7.78	8.7
8/11/2005	11:30:00	31.14	296	8.56	7.76	8.8
8/11/2005	11:45:00	31.14	296	8.52	7.77	9.3
8/11/2005	11:59:59	31.11	296	8.62	7.79	7.3
8/11/2005	12:15:00	31.57	296	8.79	7.89	8.7
8/11/2005	12:30:00	31.78	297	8.81	7.90	8.4
8/11/2005	12:44:59	32.13	297	9.22	8.13	4.5
8/11/2005	13:00:00	31.66	297	9.63	8.23	3.9
8/11/2005	13:15:00	32.88	298	9.19	8.14	3.1
8/11/2005	13:29:59	32.05	295	9.63	8.23	-0.2
8/11/2005	13:44:59	32.10	294	9.81	8.30	-1.0
8/11/2005	14:00:00	32.30	296	9.74	8.29	-3.5
8/11/2005	14:15:00	31.97	295	9.92	8.31	-4.0
8/11/2005	14:29:59	32.35	296	9.67	8.24	4.7
8/11/2005	14:45:00	32.60	294	10.00	8.38	7.7
8/11/2005	15:00:00	33.34	295	9.54	8.31	6.7
8/11/2005	15:15:00	33.74	293	9.48	8.38	3.9
8/11/2005	15:29:59	33.26	293	9.65	8.37	6.7
8/11/2005	15:45:00	33.63	295	9.51	8.36	7.5
8/11/2005	16:00:00	33.49	294	9.50	8.35	7.0
8/11/2005	16:14:59	33.46	295	9.45	8.34	7.2
8/11/2005	16:30:00	32.94	294	9.64	8.37	2.7
8/11/2005	16:45:00	32.90	293	9.64	8.36	0.6
8/11/2005	17:00:00	33.31	292	9.59	8.38	-1.1
8/11/2005	17:14:59	33.31	292	9.63	8.38	7.0
8/11/2005	17:30:00	33.42	295	9.45	8.37	7.5
8/11/2005	17:45:00	33.40	295	9.42	8.37	7.6
8/11/2005	17:59:59	33.31	296	9.50	8.35	6.7
8/11/2005	18:15:00	32.50	291	9.40	8.19	7.7
8/11/2005	18:30:00	32.87	293	9.53	8.29	7.5
8/11/2005	18:44:59	32.15	284	8.30	7.74	11.4
8/11/2005	18:59:59	32.24	281	8.37	7.81	11.5
8/11/2005	19:15:00	32.34	283	8.64	7.98	10.3
8/11/2005	19:30:00	32.27	284	8.56	7.91	10.4
8/11/2005	19:44:59	32.27	287	8.71	7.93	9.4
8/11/2005	20:00:00	32.21	281	8.65	7.99	10.9
8/11/2005	20:15:00	32.25	282	8.65	8.01	11.0
8/11/2005	20:30:00	31.94	284	8.46	7.89	10.0
8/11/2005	20:44:59	31.77	285	8.38	7.84	9.4
8/11/2005	21:00:00	31.71	284	8.31	7.80	9.5
8/11/2005	21:15:00	31.57	283	8.23	7.70	8.9
8/11/2005	21:29:59	31.64	281	8.42	7.82	9.7
8/11/2005	21:45:00	31.65	282	8.48	7.85	8.7
8/11/2005	22:00:00	31.56	282	8.37	7.79	9.2
8/11/2005	22:15:00	31.49	281	8.35	7.75	8.7
8/11/2005	22:29:59	31.44	279	8.23	7.69	8.7

Sonde Summary  
 TT336 - 1 Foot  
 August 2005

Date m/d/y	Time hh:mm:ss	Temp °C	SpCond uS/cm	DO mg/L	pH s.u.	Turbidity NTU
8/11/2005	22:45:00	31.46	278	8.33	7.76	7.5
8/11/2005	23:00:00	31.48	273	8.40	7.78	7.9
8/11/2005	23:14:59	31.46	274	8.38	7.76	8.1
8/11/2005	23:30:00	31.23	271	8.01	7.58	9.5
8/11/2005	23:45:00	31.35	276	8.08	7.61	8.6
8/12/2005	0:00:00	31.24	275	7.91	7.54	8.7
8/12/2005	0:14:59	31.23	272	7.94	7.57	8.5
8/12/2005	0:30:00	31.15	261	7.97	7.56	8.9
8/12/2005	0:45:00	31.13	258	7.87	7.52	8.9
8/12/2005	0:59:59	31.12	262	7.82	7.50	9.3
8/12/2005	1:15:00	31.03	265	7.71	7.46	8.7
8/12/2005	1:30:00	31.02	261	7.77	7.48	8.7
8/12/2005	1:44:59	30.99	259	7.63	7.44	9.0
8/12/2005	1:59:59	30.99	262	7.62	7.44	8.6
8/12/2005	2:15:00	30.92	259	7.61	7.43	9.0
8/12/2005	2:30:00	30.92	258	7.56	7.40	8.9
8/12/2005	2:44:59	30.91	256	7.58	7.42	9.2
8/12/2005	3:00:00	30.87	256	7.53	7.39	9.5
8/12/2005	3:15:00	30.87	254	7.51	7.40	9.0
8/12/2005	3:30:00	30.79	255	7.21	7.31	14.2
8/12/2005	3:44:59	30.64	256	6.66	7.15	13.1
8/12/2005	4:00:00	30.82	255	7.32	7.35	9.4
8/12/2005	4:15:00	30.72	257	6.97	7.25	10.4
8/12/2005	4:29:59	30.71	254	7.05	7.26	10.3
8/12/2005	4:45:00	30.66	254	6.93	7.23	9.8
8/12/2005	5:00:00	30.65	254	6.88	7.22	9.9
8/12/2005	5:15:00	30.63	250	6.73	7.19	11.4
8/12/2005	5:29:59	30.62	251	6.73	7.19	11.2
8/12/2005	5:45:00	30.59	251	6.60	7.17	11.3
8/12/2005	6:00:00	30.56	251	6.56	7.16	12.6
8/12/2005	6:14:59	30.53	248	6.54	7.15	11.5
8/12/2005	6:30:00	30.52	250	6.45	7.14	11.9
8/12/2005	6:45:00	30.51	252	6.38	7.12	12.3
8/12/2005	7:00:00	30.48	253	6.36	7.12	12.6
8/12/2005	7:14:59	30.50	250	6.44	7.14	11.6
8/12/2005	7:30:00	30.50	249	6.46	7.14	11.4
8/12/2005	7:45:00	30.52	250	6.44	7.14	11.7
8/12/2005	7:59:59	30.52	249	6.39	7.14	12.0
8/12/2005	8:14:59	30.54	250	6.43	7.14	12.2
8/12/2005	8:30:00	30.56	251	6.51	7.15	10.9
8/12/2005	8:45:00	30.63	251	6.66	7.18	11.3
8/12/2005	8:59:59	30.64	251	6.68	7.18	11.7
8/12/2005	9:15:00	30.68	248	6.90	7.23	10.8
8/12/2005	9:30:00	30.71	248	7.02	7.26	10.8
8/12/2005	9:45:00	30.67	249	6.93	7.23	11.6
8/12/2005	9:59:59	30.67	241	6.95	7.22	11.6
8/12/2005	10:15:00	30.68	240	6.98	7.22	11.4
8/12/2005	10:30:00	30.81	240	7.21	7.29	10.4
8/12/2005	10:44:59	30.99	238	7.54	7.38	10.0

Sonde Summary  
 TT336 - 1 Foot  
 August 2005

Date m/d/y	Time hh:mm:ss	Temp °C	SpCond uS/cm	DO mg/L	pH s.u.	Turbidity NTU
8/12/2005	11:00:00	31.01	243	7.30	7.33	6.9
8/12/2005	11:15:00	31.28	236	8.13	7.58	9.8
8/12/2005	11:29:59	31.18	239	7.86	7.47	7.5
8/12/2005	11:44:59	31.50	236	8.29	7.68	1.2
8/12/2005	12:00:00	31.87	239	8.42	7.75	3.5
8/12/2005	12:15:00	31.98	235	8.66	7.88	9.4
8/12/2005	12:29:59	32.07	236	8.87	7.99	9.5
8/12/2005	12:45:00	32.21	237	9.04	8.09	9.2
8/12/2005	13:00:00	32.26	239	9.10	8.12	9.2
8/12/2005	13:15:00	32.27	241	9.02	8.06	9.1
8/12/2005	13:29:59	32.56	247	8.70	7.99	8.8
8/12/2005	13:45:00	32.73	245	8.85	8.03	5.0
8/12/2005	14:00:00	32.91	246	8.73	7.99	8.6
8/12/2005	14:14:59	33.02	245	8.84	8.02	9.7
8/12/2005	14:30:00	33.22	246	8.76	8.05	10.0
8/12/2005	14:45:00	33.39	247	8.83	8.09	10.9
8/12/2005	14:59:59	33.29	240	8.85	8.09	12.6
8/12/2005	15:14:59	33.57	248	8.95	8.11	14.0
8/12/2005	15:30:00	33.71	247	9.04	8.19	14.5
8/12/2005	15:45:00	33.55	243	9.27	8.27	12.5
8/12/2005	15:59:59	34.20	243	8.92	8.18	15.0
8/12/2005	16:15:00	33.43	241	8.94	8.16	12.8
8/12/2005	16:30:00	32.46	234	8.65	7.99	11.1
8/12/2005	16:44:59	32.33	234	8.57	8.01	11.2
8/12/2005	16:59:59	32.21	230	8.34	7.85	11.3
8/12/2005	17:15:00	32.11	230	8.36	7.88	11.5
8/12/2005	17:30:00	32.16	233	8.42	7.95	12.0
8/12/2005	17:44:59	32.13	231	8.39	7.92	11.5
8/12/2005	18:00:00	31.98	229	8.33	7.90	10.9
8/12/2005	18:15:00	31.90	229	8.31	7.88	10.7
8/12/2005	18:30:00	31.80	230	8.35	7.89	10.8
8/12/2005	18:44:59	31.67	229	8.16	7.75	10.5
8/12/2005	19:00:00	31.52	228	8.06	7.70	10.4
8/12/2005	19:15:00	31.50	227	8.00	7.64	10.4
8/12/2005	19:29:59	31.44	227	7.98	7.64	10.4
8/12/2005	19:45:00	31.37	226	7.93	7.62	10.9
8/12/2005	20:00:00	31.30	224	7.91	7.61	11.0
8/12/2005	20:14:59	31.26	226	7.88	7.60	10.8
8/12/2005	20:29:59	31.20	226	7.84	7.58	10.9
8/12/2005	20:45:00	31.12	224	7.64	7.48	10.9
8/12/2005	21:00:00	31.09	225	7.71	7.52	10.5
8/12/2005	21:14:59	31.05	225	7.61	7.49	10.2
8/12/2005	21:30:00	30.97	225	7.55	7.47	10.5
8/12/2005	21:45:00	30.96	224	7.52	7.48	10.8
8/12/2005	21:59:59	30.94	221	7.21	7.38	13.7
8/12/2005	22:15:00	30.85	220	7.06	7.35	15.7
8/12/2005	22:30:00	30.80	220	7.00	7.31	16.1
8/12/2005	22:45:00	30.71	219	7.01	7.29	11.9
8/12/2005	22:59:59	30.64	219	6.88	7.26	19.2

Sonde Summary  
 TT336 - 1 Foot  
 August 2005

Date m/d/y	Time hh:mm:ss	Temp °C	SpCond uS/cm	DO mg/L	pH s.u.	Turbidity NTU
8/12/2005	23:15:00	30.56	219	6.83	7.25	11.9
8/12/2005	23:30:00	30.58	219	6.88	7.26	10.7
8/12/2005	23:44:59	30.48	220	6.80	7.25	10.7
8/13/2005	0:00:00	30.41	218	6.69	7.21	9.8
8/13/2005	0:15:00	30.41	218	6.36	7.16	10.0
8/13/2005	0:29:59	30.40	215	6.35	7.14	9.9
8/13/2005	0:44:59	30.35	213	6.29	7.15	9.7
8/13/2005	1:00:00	30.38	215	6.20	7.13	10.1
8/13/2005	1:15:00	30.34	209	6.11	7.11	10.1
8/13/2005	1:29:59	30.35	212	6.16	7.13	10.1
8/13/2005	1:45:00	30.34	213	6.26	7.15	9.7
8/13/2005	2:00:00	30.33	214	6.37	7.16	10.1
8/13/2005	2:14:59	30.34	213	6.29	7.15	10.0
8/13/2005	2:29:59	30.34	213	6.28	7.14	9.7
8/13/2005	2:45:00	30.36	211	6.28	7.14	9.6
8/13/2005	3:00:00	30.36	210	6.34	7.16	9.3
8/13/2005	3:14:59	30.32	211	6.39	7.17	9.2
8/13/2005	3:30:00	30.32	210	6.28	7.15	9.4
8/13/2005	3:45:00	30.33	210	6.25	7.14	9.4
8/13/2005	3:59:59	30.29	209	6.19	7.13	8.9
8/13/2005	4:14:59	30.27	208	6.23	7.13	10.9
8/13/2005	4:30:00	30.28	210	6.22	7.13	9.6
8/13/2005	4:45:00	30.24	209	6.01	7.09	10.0
8/13/2005	4:59:59	30.24	211	5.91	7.08	11.7
8/13/2005	5:15:00	30.20	210	6.15	7.12	9.9
8/13/2005	5:30:00	30.22	204	6.17	7.11	10.4
8/13/2005	5:44:59	30.22	205	6.09	7.11	11.1
8/13/2005	5:59:59	30.19	205	6.12	7.11	10.5
8/13/2005	6:15:00	30.18	203	6.09	7.10	12.6
8/13/2005	6:30:00	30.15	203	6.09	7.10	11.9
8/13/2005	6:44:59	30.13	204	6.10	7.11	10.4
8/13/2005	7:00:00	30.15	203	6.08	7.10	12.6
<b>MAX</b>		34.20	298.00	10.00	8.38	19.20
<b>MIN</b>		30.13	203.00	5.91	7.08	-4.00
<b>AVG</b>		31.44	250.68	7.81	7.62	9.50

Sonde Summary  
 TT336 - 5 feet  
 August 2005

Date m/d/y	Time hh:mm:ss	Temp °C	SpCond uS/cm	DO mg/L	pH s.u.	Turbidity NTU
8/11/2005	11:00:00	30.51	293	7.06	7.36	9.9
8/11/2005	11:15:00	30.50	291	6.98	7.28	9.4
8/11/2005	11:30:00	30.49	293	6.83	7.22	9.7
8/11/2005	11:45:00	30.48	292	6.98	7.23	9.8
8/11/2005	12:00:00	30.42	294	6.38	7.10	10.4
8/11/2005	12:15:00	30.49	292	6.88	7.19	9.7
8/11/2005	12:30:00	30.47	292	6.73	7.17	10.1
8/11/2005	12:45:00	30.61	291	7.45	7.32	9.1
8/11/2005	13:00:00	30.52	289	7.17	7.23	9.7
8/11/2005	13:15:00	30.61	293	7.55	7.36	9.3
8/11/2005	13:30:00	30.59	292	7.55	7.35	9.8
8/11/2005	13:45:00	30.58	291	7.32	7.29	9.5
8/11/2005	14:00:00	30.56	291	7.36	7.32	10.1
8/11/2005	14:15:00	30.53	291	7.04	7.22	10.0
8/11/2005	14:30:00	30.59	294	7.57	7.40	9.3
8/11/2005	14:45:00	30.47	290	6.79	7.17	10.3
8/11/2005	15:00:00	30.51	292	7.01	7.22	10.3
8/11/2005	15:15:00	30.55	293	7.26	7.27	10.1
8/11/2005	15:30:00	30.43	292	6.43	7.10	11.7
8/11/2005	15:45:00	30.44	292	6.45	7.10	11.9
8/11/2005	16:00:00	30.41	287	6.36	7.08	11.1
8/11/2005	16:15:00	30.48	288	6.77	7.16	10.8
8/11/2005	16:30:00	30.55	287	7.17	7.26	10.0
8/11/2005	16:45:00	30.51	283	7.22	7.26	10.0
8/11/2005	17:00:00	30.48	278	7.27	7.27	9.5
8/11/2005	17:15:00	30.48	278	7.20	7.27	9.6
8/11/2005	17:30:00	30.42	277	6.91	7.20	10.1
8/11/2005	17:45:00	30.47	279	7.05	7.24	9.9
8/11/2005	18:00:00	30.49	280	7.27	7.35	9.9
8/11/2005	18:15:00	30.85	283	7.90	7.47	9.6
8/11/2005	18:30:00	30.91	277	6.72	7.22	20.0
8/11/2005	18:45:00	30.90	276	6.85	7.21	15.1
8/11/2005	19:00:00	30.85	277	7.35	7.31	12.4
8/11/2005	19:15:00	30.99	279	7.45	7.36	11.4
8/11/2005	19:30:00	31.35	280	8.00	7.55	10.4
8/11/2005	19:45:00	31.05	277	7.84	7.45	10.4
8/11/2005	20:00:00	31.13	279	7.56	7.37	11.4
8/11/2005	20:15:00	31.36	277	8.23	7.63	10.0
8/11/2005	20:30:00	31.47	278	8.21	7.63	10.0
8/11/2005	20:45:00	30.79	276	6.90	7.18	12.6
8/11/2005	21:00:00	31.26	276	7.73	7.45	9.8
8/11/2005	21:15:00	31.50	280	8.17	7.65	8.4
8/11/2005	21:30:00	31.56	282	8.37	7.77	8.3
8/11/2005	21:45:00	31.08	278	7.23	7.29	10.6
8/11/2005	22:00:00	31.35	278	7.78	7.49	10.0
8/11/2005	22:15:00	31.35	274	7.88	7.50	9.2
8/11/2005	22:30:00	31.41	276	8.22	7.68	8.4

Sonde Summary  
 TT336 - 5 feet  
 August 2005

Date m/d/y	Time hh:mm:ss	Temp °C	SpCond uS/cm	DO mg/L	pH s.u.	Turbidity NTU
8/11/2005	22:45:00	31.38	275	8.09	7.62	8.6
8/11/2005	23:00:00	31.00	270	7.38	7.35	10.9
8/11/2005	23:15:00	31.29	275	7.73	7.48	8.9
8/11/2005	23:30:00	31.16	267	7.87	7.49	9.2
8/11/2005	23:45:00	30.91	263	7.36	7.31	10.4
8/12/2005	0:00:00	30.81	261	6.96	7.22	13.5
8/12/2005	0:15:00	31.13	261	7.78	7.45	9.9
8/12/2005	0:30:00	31.05	259	7.42	7.35	10.0
8/12/2005	0:45:00	30.95	258	7.26	7.31	10.0
8/12/2005	1:00:00	31.06	265	7.66	7.45	8.7
8/12/2005	1:15:00	30.85	255	7.05	7.25	11.0
8/12/2005	1:30:00	30.97	258	7.51	7.40	9.8
8/12/2005	1:45:00	30.98	258	7.61	7.43	8.4
8/12/2005	2:00:00	30.98	262	7.63	7.46	8.1
8/12/2005	2:15:00	30.89	262	7.30	7.36	9.4
8/12/2005	2:30:00	30.90	257	7.41	7.34	8.9
8/12/2005	2:45:00	30.89	255	7.25	7.31	9.7
8/12/2005	3:00:00	30.87	257	7.17	7.30	9.7
8/12/2005	3:15:00	30.86	256	7.27	7.34	9.5
8/12/2005	3:30:00	30.68	256	6.77	7.20	21.6
8/12/2005	3:45:00	30.63	256	6.48	7.14	14.8
8/12/2005	4:00:00	30.78	255	7.22	7.33	10.4
8/12/2005	4:15:00	30.64	258	6.46	7.15	13.0
8/12/2005	4:30:00	30.71	254	6.97	7.26	10.3
8/12/2005	4:45:00	30.66	254	6.89	7.25	9.6
8/12/2005	5:00:00	30.64	254	6.83	7.23	10.0
8/12/2005	5:15:00	30.61	253	6.62	7.18	11.5
8/12/2005	5:30:00	30.61	249	6.72	7.21	10.2
8/12/2005	5:45:00	30.57	251	6.46	7.16	11.7
8/12/2005	6:00:00	30.56	249	6.55	7.17	10.9
8/12/2005	6:15:00	30.53	248	6.50	7.16	10.8
8/12/2005	6:30:00	30.52	249	6.43	7.15	11.5
8/12/2005	6:45:00	30.51	251	6.37	7.13	11.4
8/12/2005	7:00:00	30.49	252	6.32	7.13	12.2
8/12/2005	7:15:00	30.49	250	6.40	7.15	11.2
8/12/2005	7:30:00	30.50	249	6.40	7.15	10.9
8/12/2005	7:45:00	30.50	249	6.40	7.15	11.2
8/12/2005	8:00:00	30.51	249	6.35	7.14	11.6
8/12/2005	8:15:00	30.50	249	6.29	7.13	12.0
8/12/2005	8:30:00	30.50	249	6.14	7.10	12.0
8/12/2005	8:45:00	30.52	250	6.28	7.13	11.9
8/12/2005	9:00:00	30.51	249	6.19	7.12	12.2
8/12/2005	9:15:00	30.51	248	6.22	7.12	11.8
8/12/2005	9:30:00	30.49	245	6.38	7.14	11.3
8/12/2005	9:45:00	30.49	246	6.26	7.12	13.0
8/12/2005	10:00:00	30.47	241	6.34	7.13	10.9
8/12/2005	10:15:00	30.53	240	6.46	7.15	11.0
8/12/2005	10:30:00	30.48	240	6.28	7.12	11.4
8/12/2005	10:45:00	30.48	239	6.26	7.11	11.1



Sonde Summary  
 TT336 - 5 feet  
 August 2005

Date m/d/y	Time hh:mm:ss	Temp °C	SpCond uS/cm	DO mg/L	pH s.u.	Turbidity NTU
8/12/2005	11:00:00	30.49	237	6.30	7.12	10.9
8/12/2005	11:15:00	30.49	236	6.29	7.12	10.8
8/12/2005	11:30:00	30.54	235	6.41	7.13	10.9
8/12/2005	11:45:00	30.55	235	6.44	7.13	10.7
8/12/2005	12:00:00	30.55	235	6.46	7.13	10.8
8/12/2005	12:15:00	30.53	234	6.38	7.12	10.8
8/12/2005	12:30:00	30.54	234	6.41	7.13	10.6
8/12/2005	12:45:00	30.52	234	6.32	7.11	10.6
8/12/2005	13:00:00	30.58	232	6.68	7.17	10.4
8/12/2005	13:15:00	30.60	227	6.83	7.19	10.4
8/12/2005	13:30:00	30.66	231	7.17	7.25	10.6
8/12/2005	13:45:00	30.80	230	7.56	7.35	10.1
8/12/2005	14:00:00	30.65	223	7.11	7.23	10.2
8/12/2005	14:15:00	30.76	222	7.64	7.36	10.0
8/12/2005	14:30:00	30.69	222	7.35	7.29	10.3
8/12/2005	14:45:00	30.77	222	7.68	7.35	10.1
8/12/2005	15:00:00	30.76	221	7.67	7.36	10.0
8/12/2005	15:15:00	30.73	225	7.51	7.33	10.2
8/12/2005	15:30:00	30.97	221	7.87	7.43	10.0
8/12/2005	15:45:00	30.65	226	6.86	7.19	10.9
8/12/2005	16:00:00	30.58	224	6.69	7.15	10.8
8/12/2005	16:15:00	30.64	224	6.87	7.18	10.3
8/12/2005	16:30:00	30.57	222	6.67	7.16	10.5
8/12/2005	16:45:00	30.51	221	6.38	7.11	10.4
8/12/2005	17:00:00	30.92	227	7.31	7.29	11.2
8/12/2005	17:15:00	30.62	224	6.39	7.11	11.2
8/12/2005	17:30:00	30.44	223	5.92	7.04	12.5
8/12/2005	17:45:00	30.42	224	5.84	7.03	12.8
8/12/2005	18:00:00	30.45	226	5.81	7.04	14.5
8/12/2005	18:15:00	30.63	222	6.80	7.19	12.9
8/12/2005	18:30:00	30.56	226	6.12	7.08	13.1
8/12/2005	18:45:00	30.63	224	6.42	7.13	11.7
8/12/2005	19:00:00	30.79	224	6.55	7.16	11.5
8/12/2005	19:15:00	30.98	222	7.10	7.28	10.4
8/12/2005	19:30:00	30.86	221	7.23	7.30	10.6
8/12/2005	19:45:00	30.83	221	6.80	7.19	10.4
8/12/2005	20:00:00	30.93	220	7.09	7.27	10.6
8/12/2005	20:15:00	30.97	221	7.27	7.32	10.7
8/12/2005	20:30:00	30.81	220	6.74	7.19	10.6
8/12/2005	20:45:00	30.76	222	6.43	7.12	11.5
8/12/2005	21:00:00	30.80	224	6.54	7.17	11.8
8/12/2005	21:15:00	31.00	222	7.62	7.46	10.9
8/12/2005	21:30:00	30.68	219	6.71	7.20	11.4
8/12/2005	21:45:00	30.84	220	7.15	7.32	11.2
8/12/2005	22:00:00	30.81	219	6.88	7.25	13.5
8/12/2005	22:15:00	30.80	218	6.96	7.26	12.8
8/12/2005	22:30:00	30.72	218	6.85	7.24	12.7
8/12/2005	22:45:00	30.68	217	6.94	7.26	12.1
8/12/2005	23:00:00	30.64	218	6.96	7.26	12.2

Sonde Summary  
 TT336 - 5 feet  
 August 2005

Date m/d/y	Time hh:mm:ss	Temp °C	SpCond uS/cm	DO mg/L	pH s.u.	Turbidity NTU
8/12/2005	23:15:00	30.58	217	6.87	7.24	11.2
8/12/2005	23:30:00	30.54	217	6.87	7.24	10.3
8/12/2005	23:45:00	30.47	218	6.75	7.22	10.4
8/13/2005	0:00:00	30.42	217	6.54	7.18	10.0
8/13/2005	0:15:00	30.40	216	6.51	7.16	10.0
8/13/2005	0:30:00	30.38	214	6.41	7.15	9.6
8/13/2005	0:45:00	30.38	212	6.33	7.14	9.8
8/13/2005	1:00:00	30.36	212	6.22	7.13	10.1
8/13/2005	1:15:00	30.34	213	6.10	7.10	10.2
8/13/2005	1:30:00	30.34	211	6.32	7.14	9.6
8/13/2005	1:45:00	30.33	211	6.42	7.16	9.4
8/13/2005	2:00:00	30.34	213	6.41	7.15	9.4
8/13/2005	2:15:00	30.35	212	6.32	7.14	10.0
8/13/2005	2:30:00	30.36	213	6.29	7.13	9.7
8/13/2005	2:45:00	30.35	209	6.49	7.16	9.1
8/13/2005	3:00:00	30.35	210	6.17	7.11	9.7
8/13/2005	3:15:00	30.33	211	6.33	7.13	9.3
8/13/2005	3:30:00	30.31	212	5.86	7.08	9.4
8/13/2005	3:45:00	30.31	210	6.40	7.15	9.2
8/13/2005	4:00:00	30.30	208	6.39	7.14	9.3
8/13/2005	4:15:00	30.25	208	6.00	7.08	12.6
8/13/2005	4:30:00	30.26	210	6.27	7.12	10.5
8/13/2005	4:45:00	30.24	208	6.20	7.11	9.9
8/13/2005	5:00:00	30.23	210	5.77	7.05	11.3
8/13/2005	5:15:00	30.22	208	6.27	7.12	10.2
8/13/2005	5:30:00	30.22	203	6.27	7.12	10.1
8/13/2005	5:45:00	30.22	204	6.27	7.12	10.8
8/13/2005	6:00:00	30.19	202	6.19	7.10	10.9
8/13/2005	6:15:00	30.18	202	6.21	7.11	20.8
8/13/2005	6:30:00	30.18	202	6.19	7.11	12.2
8/13/2005	6:45:00	30.16	203	6.21	7.11	11.3
<b>MAX</b>		31.56	294.00	8.37	7.77	21.60
<b>MIN</b>		30.16	202.00	5.77	7.03	8.10
<b>AVG</b>		30.65	246.39	6.86	7.24	10.79

Sonde Summary  
 TT336 - Lower Layer  
 August 2005

Date m/d/y	Time hh:mm:ss	Temp °C	SpCond uS/cm	DO mg/L	pH	Turbidity NTU
8/11/2005	10:59:59	30.20	344	5.29	7.01	15.5
8/11/2005	11:15:00	30.19	342	5.26	7.03	15.5
8/11/2005	11:30:00	30.17	343	5.11	7.02	17.9
8/11/2005	11:44:59	30.19	343	5.22	7.03	15.8
8/11/2005	12:00:00	30.16	342	5.09	7.01	17.5
8/11/2005	12:15:00	30.16	342	5.06	7.01	17.0
8/11/2005	12:30:00	30.19	341	5.24	7.02	14.1
8/11/2005	12:44:59	30.19	338	5.30	7.04	13.7
8/11/2005	13:00:00	30.15	336	5.05	7.01	16.7
8/11/2005	13:15:00	30.22	343	5.13	7.01	15.6
8/11/2005	13:29:59	30.16	339	4.98	7.02	19.3
8/11/2005	13:45:00	30.17	337	5.07	7.02	16.6
8/11/2005	14:00:00	30.19	340	5.16	7.04	18.3
8/11/2005	14:14:59	30.16	338	5.08	7.03	18.3
8/11/2005	14:30:00	30.14	337	4.96	7.02	18.1
8/11/2005	14:45:00	30.14	338	4.92	7.00	20.2
8/11/2005	14:59:59	30.12	338	4.84	7.00	20.0
8/11/2005	15:14:59	30.16	340	4.93	7.01	18.4
8/11/2005	15:30:00	30.15	338	4.94	7.01	18.0
8/11/2005	15:45:00	30.14	337	4.89	7.00	17.8
8/11/2005	15:59:59	30.17	337	5.02	7.02	15.9
8/11/2005	16:15:00	30.15	331	5.08	7.02	15.3
8/11/2005	16:30:00	30.18	337	5.05	7.03	15.8
8/11/2005	16:44:59	30.14	336	4.90	7.02	16.9
8/11/2005	17:00:00	30.17	336	4.94	7.01	16.8
8/11/2005	17:15:00	30.21	332	5.47	7.07	15.0
8/11/2005	17:29:59	30.20	333	5.30	7.06	16.7
8/11/2005	17:44:59	30.19	330	5.42	7.07	15.1
8/11/2005	18:00:00	30.18	326	5.67	7.09	14.1
8/11/2005	18:15:00	30.18	329	5.52	7.10	16.9
8/11/2005	18:29:59	30.32	326	6.03	7.17	15.3
8/11/2005	18:45:00	30.50	325	6.35	7.19	17.2
8/11/2005	19:00:00	30.50	326	6.65	7.26	14.3
8/11/2005	19:14:59	30.41	325	5.88	7.15	16.5
8/11/2005	19:30:00	30.40	326	6.04	7.17	16.1
8/11/2005	19:45:00	30.64	330	6.78	7.28	13.1
8/11/2005	19:59:59	30.55	324	6.52	7.25	15.7
8/11/2005	20:14:59	30.54	324	6.36	7.23	16.3
8/11/2005	20:30:00	30.43	324	6.01	7.16	18.4
8/11/2005	20:45:00	30.34	323	5.74	7.13	19.5
8/11/2005	20:59:59	30.38	323	5.80	7.16	17.1
8/11/2005	21:15:00	30.38	323	5.76	7.15	17.0
8/11/2005	21:30:00	30.60	325	6.31	7.25	14.2
8/11/2005	21:44:59	30.35	324	5.63	7.13	18.5
8/11/2005	22:00:00	30.30	323	5.48	7.12	18.1
8/11/2005	22:15:00	30.35	323	5.63	7.12	17.0
8/11/2005	22:29:59	30.43	322	5.75	7.14	16.3

Sonde Summary  
 TT336 - Lower Layer  
 August 2005

Date m/d/y	Time hh:mm:ss	Temp °C	SpCond uS/cm	DO mg/L	pH	Turbidity NTU
8/11/2005	22:44:59	30.49	321	5.82	7.14	15.0
8/11/2005	23:00:00	30.48	318	6.02	7.19	15.0
8/11/2005	23:15:00	30.42	319	5.80	7.16	16.1
8/11/2005	23:29:59	31.09	318	7.66	7.39	10.2
8/11/2005	23:45:00	30.75	314	6.71	7.29	14.5
8/12/2005	0:00:00	30.63	314	6.42	7.25	15.4
8/12/2005	0:14:59	30.69	313	6.41	7.22	13.3
8/12/2005	0:30:00	30.70	309	6.61	7.27	13.4
8/12/2005	0:45:00	30.63	312	6.36	7.24	13.3
8/12/2005	0:59:59	30.55	313	6.16	7.20	14.8
8/12/2005	1:14:59	30.57	312	6.16	7.21	14.1
8/12/2005	1:30:00	30.66	308	6.44	7.24	12.7
8/12/2005	1:45:00	30.62	308	6.39	7.25	13.2
8/12/2005	1:59:59	30.62	307	6.31	7.24	13.1
8/12/2005	2:15:00	30.58	308	6.27	7.25	13.3
8/12/2005	2:30:00	30.62	308	6.39	7.25	12.3
8/12/2005	2:44:59	30.62	309	6.29	7.25	12.8
8/12/2005	3:00:00	30.58	308	6.26	7.22	13.3
8/12/2005	3:15:00	30.64	304	6.51	7.26	12.4
8/12/2005	3:29:59	30.63	306	6.53	7.27	17.0
8/12/2005	3:44:59	30.57	307	6.29	7.23	21.4
8/12/2005	4:00:00	30.63	306	6.49	7.27	15.8
8/12/2005	4:15:00	30.55	309	6.10	7.20	14.3
8/12/2005	4:29:59	30.57	307	6.28	7.23	13.7
8/12/2005	4:45:00	30.58	307	6.39	7.25	12.6
8/12/2005	5:00:00	30.61	305	6.57	7.30	11.1
8/12/2005	5:14:59	30.55	307	6.21	7.23	13.4
8/12/2005	5:30:00	30.57	302	6.36	7.24	13.2
8/12/2005	5:45:00	30.56	301	6.41	7.26	12.5
8/12/2005	5:59:59	30.53	299	6.50	7.26	11.4
8/12/2005	6:14:59	30.53	300	6.40	7.24	13.0
8/12/2005	6:30:00	30.51	299	6.42	7.25	12.2
8/12/2005	6:45:00	30.51	299	6.39	7.25	13.1
8/12/2005	6:59:59	30.49	301	6.38	7.23	12.0
8/12/2005	7:14:59	30.49	300	6.39	7.24	11.7
8/12/2005	7:30:00	30.49	298	6.40	7.26	12.0
8/12/2005	7:44:59	30.49	299	6.36	7.26	12.2
8/12/2005	8:00:00	30.50	299	6.32	7.26	12.6
8/12/2005	8:14:59	30.50	299	6.22	7.24	14.0
8/12/2005	8:30:00	30.48	299	5.94	7.19	16.2
8/12/2005	8:45:00	30.49	300	5.97	7.20	14.3
8/12/2005	8:59:59	30.46	297	5.96	7.20	13.5
8/12/2005	9:15:00	30.46	296	6.03	7.20	13.5
8/12/2005	9:30:00	30.46	296	5.97	7.21	13.9
8/12/2005	9:44:59	30.43	296	5.89	7.17	14.5
8/12/2005	9:59:59	30.41	296	5.71	7.14	15.8
8/12/2005	10:15:00	30.45	292	6.18	7.20	13.0
8/12/2005	10:30:00	30.44	295	5.89	7.19	16.5
8/12/2005	10:44:59	30.43	292	5.96	7.18	14.8

Sonde Summary  
 TT336 - Lower Layer  
 August 2005

Date m/d/y	Time hh:mm:ss	Temp °C	SpCond uS/cm	DO mg/L	pH	Turbidity NTU
8/12/2005	10:59:59	30.43	291	6.03	7.19	13.0
8/12/2005	11:14:59	30.45	290	6.11	7.19	12.1
8/12/2005	11:30:00	30.44	290	6.10	7.19	12.8
8/12/2005	11:45:00	30.45	289	6.04	7.18	12.6
8/12/2005	11:59:59	30.44	289	6.11	7.19	12.1
8/12/2005	12:15:00	30.44	291	5.98	7.17	13.9
8/12/2005	12:30:00	30.45	290	5.99	7.19	13.5
8/12/2005	12:44:59	30.45	288	6.04	7.19	12.8
8/12/2005	13:00:00	30.45	288	6.05	7.18	13.1
8/12/2005	13:14:59	30.44	288	6.06	7.18	13.0
8/12/2005	13:30:00	30.43	287	5.79	7.16	13.2
8/12/2005	13:45:00	30.42	288	5.66	7.15	13.4
8/12/2005	13:59:59	30.42	285	5.68	7.14	12.2
8/12/2005	14:15:00	30.40	287	5.58	7.11	13.5
8/12/2005	14:30:00	30.39	291	5.54	7.12	16.7
8/12/2005	14:45:00	30.41	284	5.64	7.13	14.0
8/12/2005	14:59:59	30.42	278	5.72	7.14	12.3
8/12/2005	15:15:00	30.43	279	5.78	7.15	12.1
8/12/2005	15:30:00	30.41	281	5.71	7.15	14.0
8/12/2005	15:44:59	30.42	280	5.81	7.15	14.1
8/12/2005	16:00:00	30.43	280	5.77	7.15	16.6
8/12/2005	16:15:00	30.42	277	5.83	7.14	13.6
8/12/2005	16:29:59	30.41	280	5.69	7.13	16.2
8/12/2005	16:45:00	30.42	275	5.85	7.14	14.1
8/12/2005	17:00:00	30.41	274	5.82	7.13	14.2
8/12/2005	17:14:59	30.39	275	5.67	7.14	17.3
8/12/2005	17:29:59	30.39	277	5.57	7.14	18.5
8/12/2005	17:45:00	30.38	279	5.51	7.11	17.8
8/12/2005	18:00:00	30.37	279	5.49	7.11	18.6
8/12/2005	18:14:59	30.37	278	5.49	7.11	17.3
8/12/2005	18:30:00	30.37	279	5.46	7.10	17.1
8/12/2005	18:45:00	30.38	277	5.52	7.11	17.2
8/12/2005	18:59:59	30.35	278	5.34	7.09	16.4
8/12/2005	19:15:00	30.36	278	5.39	7.09	16.6
8/12/2005	19:30:00	30.35	277	5.36	7.09	16.2
8/12/2005	19:44:59	30.36	278	5.31	7.07	16.7
8/12/2005	19:59:59	30.33	273	5.42	7.09	13.8
8/12/2005	20:15:00	30.34	276	5.37	7.08	16.3
8/12/2005	20:30:00	30.32	272	5.37	7.09	17.5
8/12/2005	20:44:59	30.29	273	5.28	7.08	20.0
8/12/2005	21:00:00	30.30	266	5.49	7.09	17.4
8/12/2005	21:15:00	30.27	268	5.41	7.09	13.9
8/12/2005	21:29:59	30.26	268	5.30	7.08	14.3
8/12/2005	21:45:00	30.26	264	5.45	7.09	13.7
8/12/2005	22:00:00	30.27	261	5.59	7.11	13.3
8/12/2005	22:14:59	30.30	259	5.69	7.12	12.2
8/12/2005	22:29:59	30.26	263	5.43	7.09	13.7
8/12/2005	22:45:00	30.32	269	5.35	7.09	15.7
8/12/2005	23:00:00	30.32	267	5.41	7.07	14.5

Sonde Summary  
 TT336 - Lower Layer  
 August 2005

Date m/d/y	Time hh:mm:ss	Temp °C	SpCond uS/cm	DO mg/L	pH	Turbidity NTU
8/12/2005	23:14:59	30.44	264	6.06	7.15	12.3
8/12/2005	23:30:00	30.26	263	5.37	7.08	13.6
8/12/2005	23:45:00	30.37	266	6.08	7.23	12.6
8/12/2005	23:59:59	30.33	266	5.44	7.08	13.8
8/13/2005	0:15:00	30.32	264	5.54	7.09	13.0
8/13/2005	0:30:00	30.25	266	5.18	7.05	13.9
8/13/2005	0:44:59	30.25	266	5.02	7.07	14.6
8/13/2005	0:59:59	30.27	265	5.19	7.08	13.9
8/13/2005	1:15:00	30.27	267	5.27	7.09	14.5
8/13/2005	1:30:00	30.30	266	5.62	7.15	12.3
8/13/2005	1:44:59	30.27	265	5.20	7.10	13.4
8/13/2005	2:00:00	30.23	266	5.07	7.07	14.1
8/13/2005	2:15:00	30.30	264	5.72	7.13	12.3
8/13/2005	2:29:59	30.27	264	5.29	7.09	13.3
8/13/2005	2:45:00	30.24	261	5.10	7.06	13.4
8/13/2005	2:59:59	30.22	263	5.06	7.08	13.4
8/13/2005	3:15:00	30.24	262	5.05	7.07	13.3
8/13/2005	3:30:00	30.22	265	5.21	7.09	13.0
8/13/2005	3:44:59	30.28	261	5.65	7.14	11.1
8/13/2005	4:00:00	30.24	262	5.41	7.08	12.5
8/13/2005	4:15:00	30.24	259	5.88	7.15	15.1
8/13/2005	4:29:59	30.26	260	6.13	7.17	10.9
8/13/2005	4:44:59	30.22	262	5.46	7.12	14.5
8/13/2005	5:00:00	30.21	261	5.82	7.15	12.1
8/13/2005	5:15:00	30.19	260	6.24	7.21	10.3
8/13/2005	5:29:59	30.19	255	6.25	7.21	10.7
8/13/2005	5:45:00	30.20	254	6.28	7.22	10.6
8/13/2005	6:00:00	30.19	252	6.24	7.20	10.9
8/13/2005	6:14:59	30.19	252	6.21	7.20	15.9
8/13/2005	6:30:00	30.17	252	6.18	7.20	13.3
8/13/2005	6:45:00	30.16	253	6.20	7.20	11.6
8/13/2005	6:59:59	30.10	252	6.16	7.19	15.1
<b>MAX</b>		31.09	344.00	7.66	7.39	21.40
<b>MIN</b>		30.10	252.00	4.84	7.00	10.20
<b>AVG</b>		30.37	297.08	5.77	7.15	14.67

Sonde Summary  
 TT332 - 1 Foot  
 August 2005

Date m/d/y	Time hh:mm:ss	Temp °C	SpCond uS/cm	DO mg/L	pH s.u.	Turbidity NTU
8/13/2005	17:02:00	32.53	254	9.26	8.29	9.7
8/13/2005	17:17:00	32.24	253	9.18	8.19	10.0
8/13/2005	17:31:59	32.16	254	9.12	8.14	10.5
8/13/2005	17:47:00	32.28	253	9.32	8.21	10.2
8/13/2005	18:02:00	32.05	254	9.13	8.13	10.6
8/13/2005	18:16:59	31.85	253	8.95	8.03	10.9
8/13/2005	18:32:00	31.78	252	9.04	8.08	10.9
8/13/2005	18:47:00	32.47	252	9.45	8.38	9.5
8/13/2005	19:02:00	32.02	253	9.08	8.14	9.8
8/13/2005	19:16:59	31.98	252	9.04	8.14	9.8
8/13/2005	19:32:00	31.85	252	9.08	8.16	10.2
8/13/2005	19:47:00	31.13	253	7.95	7.60	12.4
8/13/2005	20:01:59	31.13	253	7.82	7.61	12.0
8/13/2005	20:17:00	31.23	251	8.13	7.69	10.5
8/13/2005	20:32:00	31.43	251	8.47	7.89	9.9
8/13/2005	20:47:00	31.24	251	8.22	7.75	10.1
8/13/2005	21:01:59	31.12	251	8.02	7.67	10.5
8/13/2005	21:17:00	31.00	252	7.84	7.60	11.1
8/13/2005	21:32:00	30.89	251	7.76	7.56	10.4
8/13/2005	21:46:59	30.81	251	7.49	7.48	11.2
8/13/2005	22:01:59	30.74	250	7.49	7.48	10.8
8/13/2005	22:17:00	30.70	250	7.16	7.39	11.2
8/13/2005	22:32:00	30.48	253	6.67	7.28	28.3
8/13/2005	22:46:59	30.38	254	6.47	7.24	18.9
8/13/2005	23:02:00	30.43	253	6.47	7.24	22.4
8/13/2005	23:17:00	30.49	252	6.67	7.30	15.7
8/13/2005	23:31:59	30.40	252	6.58	7.28	15.6
8/13/2005	23:46:59	30.43	252	6.56	7.28	15.0
8/14/2005	0:02:00	30.42	253	6.51	7.28	15.0
8/14/2005	0:17:00	30.42	253	6.53	7.29	15.5
8/14/2005	0:31:59	30.37	252	6.50	7.28	13.7
8/14/2005	0:47:00	30.36	252	6.44	7.26	13.1
8/14/2005	1:02:00	30.37	251	6.41	7.26	13.1
8/14/2005	1:16:59	30.38	251	6.38	7.25	13.6
8/14/2005	1:32:00	30.37	252	6.32	7.25	13.7
8/14/2005	1:47:00	30.34	252	6.29	7.25	15.3
8/14/2005	2:02:00	30.31	252	6.40	7.25	12.3
8/14/2005	2:16:59	30.35	251	6.35	7.25	12.3
8/14/2005	2:32:00	30.33	251	6.32	7.25	12.0
8/14/2005	2:47:00	30.31	251	6.33	7.24	12.6
8/14/2005	3:01:59	30.31	251	6.32	7.24	12.6
8/14/2005	3:16:59	30.32	251	6.30	7.24	13.9
8/14/2005	3:32:00	30.29	251	6.28	7.24	13.1
8/14/2005	3:47:00	30.27	251	6.27	7.24	12.3

Sonde Summary  
 TT332 - 1 Foot  
 August 2005

Date m/d/y	Time hh:mm:ss	Temp °C	SpCond uS/cm	DO mg/L	pH s.u.	Turbidity NTU
8/14/2005	4:01:59	30.29	250	6.27	7.23	12.3
8/14/2005	4:17:00	30.28	250	6.28	7.22	12.1
8/14/2005	4:32:00	30.27	250	6.21	7.23	12.9
8/14/2005	4:46:59	30.26	250	6.17	7.23	12.7
8/14/2005	5:02:00	30.23	250	6.20	7.23	13.0
8/14/2005	5:17:00	30.19	250	6.21	7.23	12.4
8/14/2005	5:31:59	30.18	250	6.19	7.23	12.2
8/14/2005	5:46:59	30.17	250	6.15	7.22	12.6
8/14/2005	6:02:00	30.18	250	6.11	7.22	13.6
8/14/2005	6:17:00	30.13	249	6.07	7.22	12.4
8/14/2005	6:31:59	30.15	250	6.02	7.22	12.6
8/14/2005	6:47:00	30.12	249	6.08	7.21	13.3
8/14/2005	7:02:00	30.12	248	6.06	7.21	12.8
8/14/2005	7:16:59	30.15	248	6.06	7.21	13.1
8/14/2005	7:32:00	30.11	248	6.09	7.21	13.1
8/14/2005	7:47:00	30.13	248	6.03	7.22	15.0
8/14/2005	8:02:00	30.14	248	6.09	7.22	13.0
8/14/2005	8:16:59	30.14	248	6.10	7.21	24.1
8/14/2005	8:32:00	30.16	247	6.10	7.22	15.2
8/14/2005	8:47:00	30.21	247	6.20	7.23	15.6
8/14/2005	9:01:59	30.26	246	6.22	7.23	15.6
8/14/2005	9:17:00	30.27	246	6.17	7.23	22.7
8/14/2005	9:32:00	30.43	245	6.24	7.27	11.9
8/14/2005	9:46:59	30.54	245	6.51	7.32	11.8
8/14/2005	10:01:59	30.64	244	6.76	7.35	6.2
8/14/2005	10:17:00	30.66	243	6.86	7.38	0.6
8/14/2005	10:32:00	31.02	243	7.30	7.46	11.1
8/14/2005	10:46:59	30.81	243	7.51	7.50	-1.0
8/14/2005	11:02:00	31.10	242	7.43	7.46	-0.7
8/14/2005	11:17:00	31.01	242	7.62	7.55	-3.2
8/14/2005	11:31:59	31.44	242	8.13	7.73	-1.3
8/14/2005	11:47:00	31.43	241	7.86	7.65	9.3
8/14/2005	12:02:00	31.44	241	8.01	7.69	7.7
8/14/2005	12:17:00	31.49	240	8.31	7.79	9.8
8/14/2005	12:31:59	31.41	241	8.39	7.88	8.9
8/14/2005	12:47:00	31.33	241	8.63	7.98	10.0
8/14/2005	13:02:00	31.81	241	8.75	8.04	9.5
8/14/2005	13:16:59	31.86	240	8.72	8.00	9.5
8/14/2005	13:32:00	31.62	240	8.86	8.03	9.9
8/14/2005	13:47:00	32.75	241	8.78	8.10	9.0
8/14/2005	14:01:59	31.67	239	8.13	7.77	9.8
8/14/2005	14:17:00	31.51	242	8.97	8.08	9.7
8/14/2005	14:32:00	32.31	240	8.80	8.10	9.4
8/14/2005	14:47:00	32.11	241	8.80	8.08	9.0
8/14/2005	15:01:59	31.66	242	8.79	8.02	9.8
8/14/2005	15:17:00	31.79	239	8.84	8.06	10.0



Sonde Summary  
 TT332 - 1 Foot  
 August 2005

Date m/d/y	Time hh:mm:ss	Temp °C	SpCond uS/cm	DO mg/L	pH s.u.	Turbidity NTU
8/14/2005	15:32:00	32.18	241	9.10	8.18	10.3
8/14/2005	15:46:59	32.70	239	8.84	8.15	12.5
8/14/2005	16:02:00	32.64	237	8.97	8.19	9.2
8/14/2005	16:17:00	32.64	238	8.95	8.21	10.1
8/14/2005	16:31:59	32.00	238	8.47	7.91	12.7
8/14/2005	16:46:59	31.59	238	8.23	7.80	11.2
8/14/2005	17:02:00	31.50	239	7.79	7.63	12.1
8/14/2005	17:17:00	31.83	238	8.28	7.88	8.2
8/14/2005	17:31:59	32.12	237	8.61	8.07	9.8
8/14/2005	17:47:00	31.71	237	8.18	7.79	11.6
8/14/2005	18:02:00	31.74	235	8.48	7.97	11.3
8/14/2005	18:16:59	31.76	236	8.38	7.92	12.3
8/14/2005	18:32:00	31.13	237	7.68	7.67	12.9
8/14/2005	18:47:00	31.14	236	7.49	7.56	12.7
8/14/2005	19:01:59	31.84	235	8.45	8.00	11.7
8/14/2005	19:16:59	31.66	235	8.22	7.86	11.5
8/14/2005	19:32:00	31.68	235	8.34	7.93	11.4
8/14/2005	19:47:00	31.56	235	8.13	7.86	12.0
8/14/2005	20:01:59	31.61	235	8.37	7.94	10.3
8/14/2005	20:17:00	31.68	232	8.41	8.00	9.2
8/14/2005	20:32:00	31.40	233	7.76	7.66	10.4
8/14/2005	20:46:59	31.10	234	7.43	7.56	12.0
8/14/2005	21:02:00	30.87	235	6.97	7.40	13.9
8/14/2005	21:17:00	30.96	234	7.19	7.48	11.3
8/14/2005	21:31:59	30.99	234	7.30	7.51	12.0
8/14/2005	21:46:59	30.97	235	7.25	7.48	12.0
8/14/2005	22:02:00	30.88	235	6.97	7.42	12.3
8/14/2005	22:17:00	30.84	235	6.86	7.40	12.6
8/14/2005	22:31:59	30.80	235	6.74	7.39	12.7
8/14/2005	22:47:00	30.81	235	6.85	7.41	12.2
8/14/2005	23:02:00	30.78	235	6.85	7.40	13.0
8/14/2005	23:16:59	30.78	235	6.88	7.39	11.7
8/14/2005	23:31:59	30.76	234	6.81	7.38	12.0
8/14/2005	23:47:00	30.73	234	6.77	7.37	12.0
8/15/2005	0:02:00	30.69	235	6.57	7.33	15.7
8/15/2005	0:16:59	30.70	234	6.63	7.33	13.4
8/15/2005	0:32:00	30.68	235	6.56	7.34	15.3
8/15/2005	0:47:00	30.68	234	6.59	7.33	15.6
8/15/2005	1:01:59	30.66	234	6.55	7.33	15.6
8/15/2005	1:17:00	30.66	234	6.48	7.33	12.2
8/15/2005	1:32:00	30.66	234	6.48	7.32	14.2
8/15/2005	1:47:00	30.65	232	6.48	7.31	13.9
8/15/2005	2:01:59	30.64	232	6.47	7.30	14.6
8/15/2005	2:17:00	30.63	233	6.43	7.30	13.5
8/15/2005	2:32:00	30.63	232	6.32	7.31	14.5
8/15/2005	2:46:59	30.59	232	6.38	7.30	14.1

Sonde Summary  
 TT332 - 1 Foot  
 August 2005

Date m/d/y	Time hh:mm:ss	Temp °C	SpCond uS/cm	DO mg/L	pH s.u.	Turbidity NTU
8/15/2005	3:02:00	30.60	232	6.41	7.30	11.8
8/15/2005	3:17:00	30.59	232	6.33	7.30	12.0
8/15/2005	3:32:00	30.61	231	6.27	7.29	13.6
8/15/2005	3:46:59	30.58	232	6.33	7.29	11.7
8/15/2005	4:02:00	30.59	231	6.32	7.28	11.8
8/15/2005	4:17:00	30.52	232	6.28	7.29	11.0
8/15/2005	4:31:59	30.53	232	6.20	7.28	11.9
8/15/2005	4:47:00	30.53	232	6.21	7.28	12.4
8/15/2005	5:02:00	30.50	233	6.23	7.28	11.5
8/15/2005	5:16:59	30.49	232	6.22	7.27	11.3
8/15/2005	5:31:59	30.50	233	6.18	7.27	11.2
8/15/2005	5:47:00	30.49	232	6.19	7.27	11.0
8/15/2005	6:02:00	30.50	232	6.21	7.27	11.9
8/15/2005	6:16:59	30.49	232	6.21	7.27	11.2
8/15/2005	6:32:00	30.48	232	6.14	7.26	11.3
8/15/2005	6:47:00	30.47	231	6.14	7.26	11.4
8/15/2005	7:01:59	30.47	232	6.15	7.26	10.7
8/15/2005	7:16:59	30.47	232	6.16	7.26	10.7
8/15/2005	7:32:00	30.48	232	6.18	7.25	11.7
8/15/2005	7:47:00	30.48	231	6.31	7.27	10.2
8/15/2005	8:01:59	30.51	231	6.31	7.27	11.8
8/15/2005	8:17:00	30.51	231	6.40	7.29	10.4
8/15/2005	8:32:00	30.56	231	6.40	7.30	12.5
8/15/2005	8:47:00	30.62	231	6.69	7.34	10.0
8/15/2005	9:01:59	30.68	231	6.85	7.39	-4.6
8/15/2005	9:17:00	30.66	230	6.72	7.36	11.1
<b>MAX</b>		32.75	254.00	9.45	8.38	28.30
<b>MIN</b>		30.11	230.00	6.02	7.21	-4.60
<b>AVG</b>		30.94	241.96	7.19	7.52	11.72

Sonde Summary  
 TT332 - 5 feet  
 August 2005

Date m/d/y	Time hh:mm:ss	Temp °C	SpCond uS/cm	DO mg/L	pH s.u.	Turbidity NTU
8/13/2005	17:02:00	30.46	255	7.14	7.38	13.0
8/13/2005	17:17:00	30.71	255	7.75	7.54	12.7
8/13/2005	17:32:00	30.42	255	7.05	7.35	12.6
8/13/2005	17:47:00	30.57	255	7.31	7.41	12.5
8/13/2005	18:02:00	30.38	255	6.97	7.31	13.0
8/13/2005	18:17:00	30.23	256	6.57	7.26	16.1
8/13/2005	18:32:00	30.28	256	6.66	7.28	14.8
8/13/2005	18:47:00	30.80	256	7.49	7.51	13.4
8/13/2005	19:02:00	30.84	255	7.64	7.52	13.1
8/13/2005	19:17:00	30.84	254	7.59	7.50	12.6
8/13/2005	19:32:00	30.45	255	6.91	7.32	13.9
8/13/2005	19:47:00	30.34	255	6.77	7.31	15.4
8/13/2005	20:02:00	30.39	255	6.70	7.29	15.4
8/13/2005	20:17:00	30.39	254	6.63	7.28	13.8
8/13/2005	20:32:00	30.34	255	6.57	7.27	14.3
8/13/2005	20:47:00	30.69	254	7.12	7.40	13.3
8/13/2005	21:02:00	30.72	254	7.15	7.40	13.0
8/13/2005	21:17:00	30.71	253	7.07	7.37	13.0
8/13/2005	21:32:00	30.74	252	7.42	7.48	12.2
8/13/2005	21:47:00	30.56	253	6.72	7.31	13.5
8/13/2005	22:02:00	30.40	254	6.53	7.27	14.4
8/13/2005	22:17:00	30.44	254	6.55	7.29	13.1
8/13/2005	22:32:00	30.49	253	6.86	7.35	27.8
8/13/2005	22:47:00	30.41	253	6.65	7.29	19.4
8/13/2005	23:02:00	30.42	253	6.65	7.28	20.5
8/13/2005	23:17:00	30.48	253	6.83	7.35	14.6
8/13/2005	23:32:00	30.43	253	6.72	7.32	19.7
8/13/2005	23:47:00	30.41	252	6.74	7.33	16.1
8/14/2005	0:02:00	30.42	252	6.72	7.33	24.8
8/14/2005	0:17:00	30.41	253	6.71	7.34	14.2
8/14/2005	0:32:00	30.39	253	6.72	7.33	14.1
8/14/2005	0:47:00	30.39	252	6.63	7.31	14.0
8/14/2005	1:02:00	30.38	251	6.60	7.31	13.1
8/14/2005	1:17:00	30.38	252	6.58	7.31	14.9
8/14/2005	1:32:00	30.37	252	6.53	7.32	13.4
8/14/2005	1:47:00	30.34	251	6.53	7.31	12.7
8/14/2005	2:02:00	30.33	252	6.57	7.31	13.0
8/14/2005	2:17:00	30.33	251	6.53	7.31	12.4
8/14/2005	2:32:00	30.32	251	6.52	7.31	12.3
8/14/2005	2:47:00	30.31	251	6.50	7.30	12.0
8/14/2005	3:02:00	30.31	251	6.50	7.31	16.4
8/14/2005	3:17:00	30.29	251	6.49	7.30	21.4
8/14/2005	3:32:00	30.28	251	6.49	7.30	12.2
8/14/2005	3:47:00	30.28	250	6.49	7.29	12.4

Sonde Summary  
 TT332 - 5 feet  
 August 2005

Date m/d/y	Time hh:mm:ss	Temp °C	SpCond uS/cm	DO mg/L	pH s.u.	Turbidity NTU
8/14/2005	4:02:00	30.29	250	6.45	7.29	12.6
8/14/2005	4:17:00	30.28	251	6.46	7.29	13.4
8/14/2005	4:32:00	30.26	251	6.43	7.29	13.6
8/14/2005	4:47:00	30.23	250	6.39	7.30	13.3
8/14/2005	5:02:00	30.23	250	6.40	7.29	11.4
8/14/2005	5:17:00	30.20	249	6.40	7.29	11.8
8/14/2005	5:32:00	30.17	250	6.37	7.29	12.2
8/14/2005	5:47:00	30.16	249	6.32	7.28	12.7
8/14/2005	6:02:00	30.18	250	6.30	7.28	12.8
8/14/2005	6:17:00	30.17	249	6.28	7.28	13.6
8/14/2005	6:32:00	30.14	250	6.26	7.28	12.0
8/14/2005	6:47:00	30.11	249	6.31	7.27	12.2
8/14/2005	7:02:00	30.12	248	6.25	7.27	13.7
8/14/2005	7:17:00	30.14	248	6.25	7.28	12.2
8/14/2005	7:32:00	30.11	248	6.24	7.27	15.5
8/14/2005	7:47:00	30.12	248	6.21	7.27	14.0
8/14/2005	8:02:00	30.14	248	6.27	7.28	14.6
8/14/2005	8:17:00	30.13	248	6.25	7.26	25.1
8/14/2005	8:32:00	30.14	247	6.26	7.27	35.4
8/14/2005	8:47:00	30.17	248	6.29	7.28	16.9
8/14/2005	9:02:00	30.17	247	6.26	7.28	15.3
8/14/2005	9:17:00	30.19	246	6.26	7.29	16.9
8/14/2005	9:32:00	30.19	246	6.24	7.28	13.9
8/14/2005	9:47:00	30.21	246	6.31	7.28	14.3
8/14/2005	10:02:00	30.21	244	6.29	7.28	14.8
8/14/2005	10:17:00	30.20	243	6.28	7.28	15.1
8/14/2005	10:32:00	30.21	243	6.32	7.28	16.1
8/14/2005	10:47:00	30.22	243	6.30	7.29	14.7
8/14/2005	11:02:00	30.24	243	6.38	7.30	13.1
8/14/2005	11:17:00	30.24	242	6.43	7.31	12.8
8/14/2005	11:32:00	30.27	242	6.56	7.32	13.4
8/14/2005	11:47:00	30.29	242	6.58	7.32	12.9
8/14/2005	12:02:00	30.26	242	6.49	7.31	11.9
8/14/2005	12:17:00	30.30	241	6.67	7.35	12.8
8/14/2005	12:32:00	30.29	242	6.59	7.34	12.2
8/14/2005	12:47:00	30.29	242	6.59	7.34	11.7
8/14/2005	13:02:00	30.36	241	6.90	7.38	11.8
8/14/2005	13:17:00	30.32	241	6.74	7.35	12.3
8/14/2005	13:32:00	30.33	241	6.86	7.36	11.5
8/14/2005	13:47:00	30.33	241	6.79	7.36	11.4
8/14/2005	14:02:00	30.30	241	6.75	7.34	11.4
8/14/2005	14:17:00	30.22	241	6.34	7.28	14.1
8/14/2005	14:32:00	30.21	241	6.32	7.28	13.1
8/14/2005	14:47:00	30.34	242	6.85	7.39	10.8
8/14/2005	15:02:00	30.47	241	7.36	7.48	10.8
8/14/2005	15:17:00	30.47	244	7.42	7.49	12.0

Sonde Summary  
 TT332 - 5 feet  
 August 2005

Date m/d/y	Time hh:mm:ss	Temp °C	SpCond uS/cm	DO mg/L	pH s.u.	Turbidity NTU
8/14/2005	15:32:00	30.57	244	7.49	7.53	12.0
8/14/2005	15:47:00	30.71	241	7.48	7.49	11.1
8/14/2005	16:02:00	30.51	240	6.91	7.37	12.8
8/14/2005	16:17:00	30.73	240	7.01	7.44	21.7
8/14/2005	16:32:00	30.62	240	7.01	7.40	15.3
8/14/2005	16:47:00	30.70	240	7.03	7.43	14.9
8/14/2005	17:02:00	30.70	239	7.12	7.43	15.8
8/14/2005	17:17:00	31.26	238	7.77	7.66	13.9
8/14/2005	17:32:00	30.68	239	7.15	7.43	14.9
8/14/2005	17:47:00	30.77	239	7.02	7.41	14.6
8/14/2005	18:02:00	30.63	238	6.85	7.37	13.9
8/14/2005	18:17:00	30.64	238	6.92	7.41	13.9
8/14/2005	18:32:00	30.79	238	7.17	7.47	14.5
8/14/2005	18:47:00	30.76	237	7.03	7.44	17.4
8/14/2005	19:02:00	30.61	236	6.75	7.37	17.1
8/14/2005	19:17:00	30.68	236	6.84	7.39	14.8
8/14/2005	19:32:00	30.68	237	6.84	7.39	15.3
8/14/2005	19:47:00	30.62	237	6.72	7.36	14.2
8/14/2005	20:02:00	30.74	236	6.84	7.41	13.3
8/14/2005	20:17:00	30.65	237	6.74	7.37	13.8
8/14/2005	20:32:00	30.85	237	7.04	7.44	13.5
8/14/2005	20:47:00	30.90	235	7.14	7.46	15.1
8/14/2005	21:02:00	30.67	236	6.77	7.37	15.3
8/14/2005	21:17:00	30.84	236	7.15	7.47	13.6
8/14/2005	21:32:00	30.80	236	7.01	7.43	15.0
8/14/2005	21:47:00	30.81	236	7.02	7.43	13.8
8/14/2005	22:02:00	30.82	236	7.00	7.43	14.1
8/14/2005	22:17:00	30.77	235	6.92	7.41	13.4
8/14/2005	22:32:00	30.79	236	6.91	7.42	13.5
8/14/2005	22:47:00	30.81	235	7.12	7.46	12.8
8/14/2005	23:02:00	30.77	236	6.92	7.42	13.9
8/14/2005	23:17:00	30.75	235	6.99	7.42	12.6
8/14/2005	23:32:00	30.72	235	6.84	7.38	13.7
8/14/2005	23:47:00	30.72	234	6.90	7.41	13.1
8/15/2005	0:02:00	30.70	235	6.81	7.39	21.7
8/15/2005	0:17:00	30.69	234	6.85	7.39	15.1
8/15/2005	0:32:00	30.68	235	6.81	7.39	19.4
8/15/2005	0:47:00	30.68	234	6.84	7.38	19.8
8/15/2005	1:02:00	30.67	234	6.79	7.38	17.1
8/15/2005	1:17:00	30.66	234	6.69	7.38	13.7
8/15/2005	1:32:00	30.65	234	6.73	7.37	13.1
8/15/2005	1:47:00	30.65	232	6.71	7.36	14.8
8/15/2005	2:02:00	30.65	232	6.71	7.36	14.3
8/15/2005	2:17:00	30.63	232	6.69	7.36	14.2
8/15/2005	2:32:00	30.62	233	6.65	7.36	12.5
8/15/2005	2:47:00	30.60	233	6.65	7.35	12.2

Sonde Summary  
 TT332 - 5 feet  
 August 2005

Date m/d/y	Time hh:mm:ss	Temp °C	SpCond uS/cm	DO mg/L	pH s.u.	Turbidity NTU
8/15/2005	3:02:00	30.61	232	6.65	7.35	13.0
8/15/2005	3:17:00	30.61	232	6.62	7.35	24.4
8/15/2005	3:32:00	30.60	232	6.61	7.35	12.8
8/15/2005	3:47:00	30.58	232	6.59	7.34	12.9
8/15/2005	4:02:00	30.60	231	6.59	7.34	13.1
8/15/2005	4:17:00	30.54	232	6.59	7.34	11.8
8/15/2005	4:32:00	30.53	232	6.51	7.35	10.5
8/15/2005	4:47:00	30.51	232	6.56	7.34	11.9
8/15/2005	5:02:00	30.51	233	6.54	7.33	11.9
8/15/2005	5:17:00	30.50	232	6.53	7.33	11.7
8/15/2005	5:32:00	30.50	232	6.51	7.33	12.3
8/15/2005	5:47:00	30.50	232	6.52	7.33	12.1
8/15/2005	6:02:00	30.50	232	6.50	7.33	12.4
8/15/2005	6:17:00	30.50	232	6.49	7.33	12.3
8/15/2005	6:32:00	30.49	232	6.48	7.32	11.0
8/15/2005	6:47:00	30.47	232	6.40	7.33	10.5
8/15/2005	7:02:00	30.45	232	6.46	7.32	11.0
8/15/2005	7:17:00	30.47	232	6.45	7.32	11.4
8/15/2005	7:32:00	30.48	232	6.39	7.31	13.3
8/15/2005	7:47:00	30.46	231	6.48	7.32	11.9
8/15/2005	8:02:00	30.47	231	6.50	7.30	12.2
8/15/2005	8:17:00	30.47	232	6.46	7.32	14.1
8/15/2005	8:32:00	30.48	231	6.36	7.30	17.7
8/15/2005	8:47:00	30.48	230	6.37	7.30	15.0
8/15/2005	9:02:00	30.51	231	6.49	7.32	12.1
8/15/2005	9:17:00	30.50	231	6.45	7.31	19.8
<b>MAX</b>		31.26	256.00	7.77	7.66	35.40
<b>MIN</b>		30.11	230.00	6.21	7.26	10.50
<b>AVG</b>		30.47	242.75	6.70	7.35	14.26

Sonde Summary  
 TT327 - 1 Foot  
 August 2005

Date m/d/y	Time hh:mm:ss	Temp °C	SpCond uS/cm	DO mg/L	pH	Turbidity NTU
8/13/2005	17:32:00	31.64	218	10.26	7.89	9.8
8/13/2005	17:47:00	31.90	221	10.05	8.04	9.8
8/13/2005	18:01:59	32.02	220	9.78	8.09	8.8
8/13/2005	18:47:00	31.66	214	10.04	8.04	10.4
8/13/2005	19:01:59	31.42	216	9.81	7.91	10.4
8/13/2005	19:16:59	31.41	217	9.69	7.93	10.1
8/13/2005	19:32:00	31.35	214	9.44	7.69	11.1
8/13/2005	19:46:59	31.32	229	9.29	7.66	9.7
8/13/2005	20:02:00	31.36	223	9.51	7.83	9.9
8/13/2005	20:16:59	31.34	221	9.30	7.72	10.3
8/13/2005	20:32:00	31.42	221	9.42	7.85	10.0
8/13/2005	20:47:00	31.42	225	9.42	7.86	9.4
8/13/2005	21:01:59	31.38	227	9.39	7.85	9.5
8/13/2005	21:17:00	30.89	229	8.67	7.48	10.4
8/13/2005	21:32:00	30.96	230	8.74	7.50	10.0
8/13/2005	21:46:59	30.95	232	8.84	7.47	9.7
8/13/2005	22:01:59	30.94	232	8.80	7.43	9.7
8/13/2005	22:17:00	30.59	223	8.33	7.32	10.6
8/13/2005	22:32:00	30.61	227	8.35	7.29	10.2
8/13/2005	22:46:59	30.45	222	8.19	7.27	10.3
8/13/2005	23:02:00	30.52	225	8.45	7.31	9.7
8/13/2005	23:17:00	30.37	219	8.23	7.23	10.2
8/13/2005	23:31:59	30.33	223	8.14	7.23	10.1
8/13/2005	23:47:00	30.17	218	7.97	7.17	10.5
8/14/2005	0:02:00	29.94	204	7.69	7.05	16.2
8/14/2005	0:16:59	29.95	202	7.66	7.06	14.5
8/14/2005	0:31:59	29.92	202	7.61	7.05	15.0
8/14/2005	0:47:00	29.88	200	7.50	7.02	15.1
8/14/2005	1:02:00	29.89	201	7.48	7.04	14.5
8/14/2005	1:16:59	29.86	201	7.44	7.05	12.5
8/14/2005	1:32:00	29.79	199	7.37	7.06	12.4
8/14/2005	1:47:00	29.74	197	7.29	7.03	11.9
8/14/2005	2:01:59	29.67	194	7.25	7.00	11.4
8/14/2005	2:17:00	29.62	193	7.22	6.96	11.7
8/14/2005	2:32:00	29.61	194	7.29	6.97	11.2
8/14/2005	2:46:59	29.53	194	7.27	6.97	11.0
8/14/2005	3:01:59	29.52	193	7.31	6.97	11.1
8/14/2005	3:17:00	29.50	192	7.30	6.97	10.8
8/14/2005	3:32:00	29.47	191	7.24	6.96	10.8
8/14/2005	3:46:59	29.46	190	7.20	6.96	11.1
8/14/2005	4:02:00	29.44	193	7.19	6.94	10.8
8/14/2005	4:16:59	29.36	184	7.19	6.93	11.1
8/14/2005	4:32:00	29.35	184	7.15	6.95	10.5
8/14/2005	4:47:00	29.34	183	7.12	6.93	10.8

Sonde Summary  
TT327 - 1 Foot  
August 2005

Date m/d/y	Time hh:mm:ss	Temp °C	SpCond uS/cm	DO mg/L	pH	Turbidity NTU
8/14/2005	5:01:59	29.32	184	7.15	6.92	10.5
8/14/2005	5:17:00	29.34	183	7.22	6.88	27.8
8/14/2005	5:32:00	29.33	183	7.16	6.91	18.4
8/14/2005	5:46:59	29.32	181	7.13	6.94	15.2
8/14/2005	6:02:00	29.29	185	7.14	6.93	12.7
8/14/2005	6:17:00	29.28	186	7.07	6.96	13.2
8/14/2005	6:31:59	29.26	184	7.09	6.93	11.8
8/14/2005	6:46:59	29.23	183	7.05	6.95	11.5
8/14/2005	7:01:59	29.26	181	7.08	6.94	11.9
8/14/2005	7:17:00	29.24	179	7.15	6.83	11.0
8/14/2005	7:32:00	29.27	178	7.13	6.88	11.7
8/14/2005	7:46:59	29.26	178	7.11	6.90	13.6
8/14/2005	8:01:59	29.27	178	7.08	6.91	11.7
8/14/2005	8:17:00	29.27	178	7.16	6.87	12.1
8/14/2005	8:31:59	29.26	178	7.13	6.88	12.8
8/14/2005	8:47:00	29.32	176	7.26	6.89	11.6
8/14/2005	9:02:00	29.29	177	7.09	6.88	14.4
8/14/2005	9:16:59	29.42	178	7.38	6.93	11.8
8/14/2005	9:32:00	29.50	178	7.49	6.95	11.5
8/14/2005	9:47:00	29.76	178	7.88	7.02	10.4
8/14/2005	10:01:59	29.51	177	7.51	6.91	11.4
8/14/2005	10:17:00	29.57	177	7.57	6.95	11.1
8/14/2005	10:32:00	29.80	184	8.20	7.08	10.0
8/14/2005	10:46:59	29.87	187	8.48	7.15	9.8
8/14/2005	11:01:59	30.43	183	9.01	7.35	9.2
8/14/2005	11:17:00	30.21	183	8.71	7.33	9.5
8/14/2005	11:32:00	29.98	184	8.50	7.23	10.2
8/14/2005	11:46:59	29.93	184	8.56	7.21	10.8
8/14/2005	12:02:00	31.49	183	9.11	7.48	8.4
8/14/2005	12:17:00	31.53	186	9.27	7.65	8.5
8/14/2005	12:31:59	31.80	186	9.38	7.75	8.3
8/14/2005	12:47:00	31.44	184	9.68	7.72	8.4
8/14/2005	13:02:00	30.28	184	9.28	7.52	9.6
8/14/2005	13:16:59	30.14	184	9.43	7.55	8.3
8/14/2005	13:31:59	30.65	183	9.88	7.73	7.2
8/14/2005	13:47:00	32.26	186	9.89	7.95	1.4
8/14/2005	14:02:00	32.20	186	9.67	7.78	7.8
8/14/2005	14:16:59	31.38	185	10.33	8.10	5.4
8/14/2005	14:32:00	31.68	187	10.61	8.22	3.3
8/14/2005	14:47:00	33.75	187	9.56	8.06	4.7
8/14/2005	15:01:59	32.95	196	10.48	8.25	-1.0
8/14/2005	15:17:00	32.86	208	10.63	8.29	7.6
8/14/2005	15:32:00	30.70	189	9.99	7.84	7.1
8/14/2005	15:46:59	32.13	214	10.16	8.08	9.3
8/14/2005	16:01:59	31.28	206	9.39	7.70	10.3
8/14/2005	16:17:00	31.94	215	10.49	8.18	9.0



Sonde Summary  
 TT327 - 1 Foot  
 August 2005

Date m/d/y	Time hh:mm:ss	Temp °C	SpCond uS/cm	DO mg/L	pH	Turbidity NTU
8/14/2005	16:32:00	32.56	228	10.23	8.19	8.4
8/14/2005	16:46:59	31.86	216	9.91	7.99	9.2
8/14/2005	17:02:00	32.54	219	10.29	8.13	8.6
8/14/2005	17:17:00	32.43	215	10.75	8.29	8.8
8/14/2005	17:31:59	31.89	220	9.80	7.92	9.3
8/14/2005	17:47:00	32.56	223	10.04	8.08	8.9
8/14/2005	18:02:00	31.25	207	8.77	7.43	14.5
8/14/2005	18:16:59	32.28	227	9.73	7.98	8.8
8/14/2005	18:32:00	31.78	217	9.23	7.70	9.5
8/14/2005	18:47:00	32.32	229	9.70	7.98	8.5
8/14/2005	19:02:00	32.07	225	9.61	7.93	8.9
8/14/2005	19:16:59	31.77	220	9.39	7.80	8.8
8/14/2005	19:31:59	31.79	224	9.44	7.83	9.1
8/14/2005	19:46:59	31.38	215	8.96	7.58	9.7
8/14/2005	20:02:00	31.23	215	9.12	7.58	9.0
8/14/2005	20:17:00	31.20	213	8.94	7.53	9.0
8/14/2005	20:31:59	31.34	215	9.03	7.55	9.1
8/14/2005	20:47:00	31.57	222	9.31	7.78	8.0
8/14/2005	21:02:00	31.46	222	9.16	7.81	8.1
8/14/2005	21:16:59	31.38	221	9.16	7.68	7.9
8/14/2005	21:32:00	31.04	210	8.46	7.32	11.1
8/14/2005	21:47:00	30.46	197	8.05	7.19	12.5
8/14/2005	22:01:59	30.69	201	8.23	7.20	11.2
8/14/2005	22:16:59	30.70	203	8.39	7.23	10.4
8/14/2005	22:32:00	30.67	204	8.35	7.27	9.9
8/14/2005	22:46:59	30.64	203	8.24	7.25	9.7
8/14/2005	23:02:00	30.60	202	8.16	7.21	10.0
8/14/2005	23:16:59	30.36	196	7.90	7.12	11.2
8/14/2005	23:31:59	30.36	195	7.86	7.12	12.8
8/14/2005	23:47:00	30.37	196	7.88	7.12	11.7
8/15/2005	0:02:00	30.32	196	7.80	7.12	10.7
8/15/2005	0:16:59	30.29	194	7.71	7.10	11.4
8/15/2005	0:32:00	30.25	193	7.66	7.09	11.1
8/15/2005	0:47:00	30.23	193	7.66	7.09	10.9
8/15/2005	1:01:59	30.23	192	7.58	7.10	10.8
8/15/2005	1:17:00	30.22	192	7.62	7.04	10.8
8/15/2005	1:32:00	30.09	188	7.53	7.03	10.6
8/15/2005	1:46:59	30.12	189	7.53	7.00	10.6
8/15/2005	2:01:59	30.04	185	7.49	6.97	13.0
8/15/2005	2:17:00	30.07	186	7.47	7.02	13.2
8/15/2005	2:32:00	30.03	185	7.41	7.03	11.9
8/15/2005	2:46:59	30.00	184	7.38	7.00	12.4
8/15/2005	3:02:00	30.02	185	7.30	7.03	12.5
8/15/2005	3:17:00	29.98	184	7.22	7.03	11.3
8/15/2005	3:31:59	29.95	184	7.27	6.99	10.3
8/15/2005	3:47:00	29.91	181	7.22	7.01	10.8

Sonde Summary  
 TT327 - 1 Foot  
 August 2005

Date m/d/y	Time hh:mm:ss	Temp °C	SpCond uS/cm	DO mg/L	pH	Turbidity NTU
8/15/2005	4:01:59	29.90	182	7.26	6.98	11.1
8/15/2005	4:17:00	29.90	182	7.19	6.98	10.0
8/15/2005	4:32:00	29.89	182	7.11	6.97	10.2
8/15/2005	4:46:59	29.90	181	7.17	7.00	10.1
8/15/2005	5:02:00	29.87	181	7.15	6.98	10.5
8/15/2005	5:17:00	29.89	182	7.17	6.99	10.2
8/15/2005	5:32:00	29.85	180	7.22	6.98	10.4
8/15/2005	5:46:59	29.84	180	7.22	6.96	9.8
8/15/2005	6:02:00	29.84	180	7.23	6.96	9.6
8/15/2005	6:17:00	29.82	179	7.20	6.97	9.6
8/15/2005	6:31:59	29.82	179	7.19	6.97	9.7
8/15/2005	6:47:00	29.81	179	7.14	6.96	9.9
8/15/2005	7:02:00	29.80	179	7.09	6.97	9.8
8/15/2005	7:16:59	29.79	179	7.12	6.98	9.4
8/15/2005	7:32:00	29.80	179	7.07	6.96	10.4
8/15/2005	7:47:00	29.80	179	7.16	6.95	10.7
8/15/2005	8:02:00	29.84	180	7.26	6.97	9.6
8/15/2005	8:16:59	29.82	180	7.17	6.99	11.1
8/15/2005	8:32:00	29.83	180	7.15	6.98	10.3
8/15/2005	8:47:00	29.81	179	7.16	6.95	11.2
8/15/2005	9:01:59	29.85	175	7.47	6.94	9.4
8/15/2005	9:17:00	29.88	173	7.48	6.99	11.7
8/15/2005	9:32:00	29.84	173	7.40	6.92	10.9
8/15/2005	9:46:59	29.88	172	7.67	6.97	10.2
<b>MAX</b>		33.75	232.00	10.75	8.29	27.80
<b>MIN</b>		29.23	172.00	7.05	6.83	-1.00
<b>AVG</b>		30.48	196.61	8.24	7.31	10.48

Sonde Summary  
TT327 - 5 feet  
August 2005

Date m/d/y	Time hh:mm:ss	Temp °C	SpCond uS/cm	DO mg/L	pH s.u.	Turbidity NTU
8/13/2005	17:32:00	30.18	203	8.49	7.46	11.7
8/13/2005	17:47:00	31.01	222	8.85	7.68	10.8
8/13/2005	18:01:59	31.02	224	8.75	7.66	10.7
8/13/2005	18:46:59	30.33	224	7.81	7.33	10.8
8/13/2005	19:01:59	30.35	221	7.78	7.33	11.2
8/13/2005	19:17:00	30.29	220	7.72	7.31	11.5
8/13/2005	19:32:00	30.13	220	7.54	7.26	11.8
8/13/2005	19:46:59	30.45	232	7.72	7.33	11.5
8/13/2005	20:02:00	30.96	226	8.62	7.58	11.4
8/13/2005	20:17:00	30.72	237	8.07	7.42	11.3
8/13/2005	20:31:59	30.79	231	8.03	7.41	11.6
8/13/2005	20:47:00	30.69	240	7.84	7.37	10.8
8/13/2005	21:02:00	30.62	243	7.55	7.31	10.5
8/13/2005	21:16:59	30.30	228	7.25	7.22	10.7
8/13/2005	21:31:59	30.50	242	7.40	7.27	10.4
8/13/2005	21:47:00	30.82	238	8.26	7.55	10.3
8/13/2005	22:02:00	30.93	238	8.10	7.52	10.1
8/13/2005	22:16:59	30.00	211	7.22	7.2	14.0
8/13/2005	22:32:00	30.64	231	8.05	7.49	10.4
8/13/2005	22:47:00	30.60	231	8.01	7.45	10.8
8/13/2005	23:01:59	30.57	230	7.91	7.42	10.9
8/13/2005	23:17:00	30.44	229	7.85	7.4	10.8
8/13/2005	23:32:00	30.29	224	7.60	7.31	10.4
8/13/2005	23:46:59	30.01	207	7.39	7.22	21.4
8/14/2005	0:01:59	30.15	213	7.48	7.26	18.4
8/14/2005	0:17:00	30.14	213	7.48	7.27	15.8
8/14/2005	0:32:00	30.11	212	7.43	7.26	15.6
8/14/2005	0:46:59	30.09	211	7.37	7.24	15.1
8/14/2005	1:02:00	30.03	209	7.24	7.23	15.6
8/14/2005	1:17:00	29.88	205	7.16	7.19	13.0
8/14/2005	1:31:59	29.88	204	7.11	7.18	13.0
8/14/2005	1:47:00	29.86	203	7.07	7.16	11.8
8/14/2005	2:02:00	29.73	196	6.96	7.11	13.4
8/14/2005	2:16:59	29.81	202	7.05	7.14	12.1
8/14/2005	2:31:59	29.77	203	7.07	7.15	12.2
8/14/2005	2:47:00	29.72	203	7.14	7.17	11.3
8/14/2005	3:02:00	29.70	201	7.07	7.16	11.5
8/14/2005	3:16:59	29.68	200	7.07	7.15	11.5
8/14/2005	3:32:00	29.68	201	7.09	7.16	11.2
8/14/2005	3:47:00	29.64	198	7.01	7.14	11.5
8/14/2005	4:01:59	29.64	202	7.05	7.15	11.5
8/14/2005	4:17:00	29.56	195	7.06	7.14	11.0
8/14/2005	4:32:00	29.55	194	7.05	7.14	10.7
8/14/2005	4:46:59	29.53	194	6.92	7.15	10.6

Sonde Summary  
TT327 - 5 feet  
August 2005

Date m/d/y	Time hh:mm:ss	Temp °C	SpCond uS/cm	DO mg/L	pH s.u.	Turbidity NTU
8/14/2005	5:02:00	29.51	194	6.99	7.13	10.1
8/14/2005	5:17:00	29.54	194	7.06	7.14	14.3
8/14/2005	5:32:00	29.53	194	7.02	7.14	14.7
8/14/2005	5:46:59	29.48	193	7.05	7.13	13.5
8/14/2005	6:02:00	29.49	195	7.05	7.14	13.4
8/14/2005	6:17:00	29.48	196	6.84	7.14	13.3
8/14/2005	6:31:59	29.46	195	6.96	7.12	11.5
8/14/2005	6:47:00	29.46	194	6.93	7.13	11.4
8/14/2005	7:01:59	29.47	192	6.95	7.11	12.2
8/14/2005	7:17:00	29.44	190	7.03	7.12	11.2
8/14/2005	7:31:59	29.47	189	7.00	7.12	11.7
8/14/2005	7:47:00	29.45	189	6.91	7.12	15.4
8/14/2005	8:02:00	29.45	189	6.82	7.12	14.8
8/14/2005	8:16:59	29.45	189	6.95	7.11	12.9
8/14/2005	8:32:00	29.45	188	6.94	7.11	13.7
8/14/2005	8:47:00	29.46	187	6.92	7.1	12.7
8/14/2005	9:01:59	29.45	187	6.81	7.1	15.9
8/14/2005	9:17:00	29.55	188	6.91	7.12	11.9
8/14/2005	9:32:00	29.49	188	6.86	7.1	14.1
8/14/2005	9:46:59	29.50	188	6.87	7.09	12.8
8/14/2005	10:01:59	29.51	187	6.93	7.1	12.4
8/14/2005	10:17:00	29.52	188	6.89	7.1	13.5
8/14/2005	10:32:00	29.62	196	6.97	7.13	10.7
8/14/2005	10:46:59	29.71	199	7.19	7.18	10.8
8/14/2005	11:02:00	29.70	202	7.12	7.17	10.7
8/14/2005	11:17:00	29.75	206	7.08	7.17	11.0
8/14/2005	11:31:59	29.70	195	6.94	7.14	11.3
8/14/2005	11:47:00	29.73	193	7.06	7.15	11.1
8/14/2005	12:02:00	29.73	195	7.07	7.16	10.9
8/14/2005	12:16:59	29.75	195	7.10	7.18	11.1
8/14/2005	12:31:59	29.76	196	7.14	7.18	11.1
8/14/2005	12:47:00	29.77	195	7.20	7.18	10.6
8/14/2005	13:02:00	29.74	196	7.08	7.17	10.8
8/14/2005	13:16:59	29.69	197	6.88	7.14	10.9
8/14/2005	13:32:00	29.71	197	7.02	7.14	11.1
8/14/2005	13:47:00	29.81	195	7.44	7.22	10.4
8/14/2005	14:01:59	29.85	197	7.67	7.27	10.1
8/14/2005	14:17:00	29.78	195	7.31	7.21	10.1
8/14/2005	14:32:00	29.93	197	8.01	7.34	10.1
8/14/2005	14:46:59	30.17	196	8.59	7.51	9.6
8/14/2005	15:01:59	30.16	195	8.73	7.56	9.8
8/14/2005	15:17:00	30.59	201	8.31	7.49	11.1
8/14/2005	15:32:00	30.29	200	8.37	7.45	11.3
8/14/2005	15:46:59	30.49	200	8.57	7.56	10.8
8/14/2005	16:02:00	30.28	200	7.84	7.34	13.0
8/14/2005	16:17:00	30.45	205	8.00	7.4	11.7

Sonde Summary  
 TT327 - 5 feet  
 August 2005

Date m/d/y	Time hh:mm:ss	Temp °C	SpCond uS/cm	DO mg/L	pH s.u.	Turbidity NTU
8/14/2005	16:31:59	30.33	207	8.20	7.46	11.9
8/14/2005	16:47:00	30.15	203	7.93	7.37	11.4
8/14/2005	17:02:00	30.68	206	8.33	7.48	11.1
8/14/2005	17:16:59	30.63	212	8.71	7.59	11.0
8/14/2005	17:31:59	30.41	209	8.34	7.47	10.9
8/14/2005	17:47:00	32.23	225	9.86	8.34	9.9
8/14/2005	18:02:00	30.88	215	8.11	7.48	14.4
8/14/2005	18:16:59	30.79	212	7.94	7.41	12.4
8/14/2005	18:32:00	30.57	210	7.86	7.38	12.5
8/14/2005	18:47:00	30.63	210	7.84	7.37	12.2
8/14/2005	19:01:59	30.81	213	7.99	7.43	10.9
8/14/2005	19:17:00	30.53	210	7.77	7.35	11.5
8/14/2005	19:32:00	30.71	213	8.04	7.44	11.1
8/14/2005	19:46:59	30.64	212	7.90	7.42	10.6
8/14/2005	20:02:00	30.69	214	7.93	7.41	11.6
8/14/2005	20:16:59	30.73	214	7.93	7.41	11.2
8/14/2005	20:32:00	30.37	205	7.59	7.29	11.9
8/14/2005	20:47:00	30.67	210	7.87	7.38	11.7
8/14/2005	21:01:59	30.83	212	8.01	7.45	10.6
8/14/2005	21:16:59	31.32	222	8.33	7.57	9.2
8/14/2005	21:32:00	30.79	209	7.97	7.44	12.8
8/14/2005	21:47:00	30.51	204	7.62	7.32	14.4
8/14/2005	22:01:59	30.60	206	7.73	7.36	12.9
8/14/2005	22:17:00	30.82	211	7.95	7.44	10.3
8/14/2005	22:32:00	30.81	212	7.91	7.45	10.3
8/14/2005	22:46:59	30.69	210	7.67	7.4	10.8
8/14/2005	23:02:00	30.74	210	7.82	7.41	10.4
8/14/2005	23:17:00	30.55	206	7.63	7.33	11.6
8/14/2005	23:31:59	30.56	206	7.60	7.32	14.6
8/14/2005	23:46:59	30.53	205	7.57	7.32	11.9
8/15/2005	0:02:00	30.50	204	7.45	7.32	11.2
8/15/2005	0:17:00	30.47	203	7.41	7.3	11.5
8/15/2005	0:31:59	30.38	200	7.32	7.27	12.2
8/15/2005	0:47:00	30.44	203	7.41	7.29	10.4
8/15/2005	1:02:00	30.37	200	7.35	7.25	12.5
8/15/2005	1:16:59	30.32	198	7.34	7.25	11.1
8/15/2005	1:32:00	30.28	197	7.29	7.24	10.4
8/15/2005	1:47:00	30.27	197	7.30	7.23	10.6
8/15/2005	2:01:59	30.24	195	7.29	7.23	13.3
8/15/2005	2:16:59	30.27	197	7.22	7.24	13.0
8/15/2005	2:32:00	30.21	195	7.22	7.22	11.5
8/15/2005	2:47:00	30.19	195	7.18	7.22	12.6
8/15/2005	3:01:59	30.20	195	7.09	7.21	11.0
8/15/2005	3:17:00	30.16	193	7.08	7.19	10.7
8/15/2005	3:32:00	30.13	191	7.06	7.19	10.7
8/15/2005	3:46:59	30.11	192	6.98	7.19	10.1

Sonde Summary  
 TT327 - 5 feet  
 August 2005

Date m/d/y	Time hh:mm:ss	Temp °C	SpCond uS/cm	DO mg/L	pH s.u.	Turbidity NTU
8/15/2005	4:02:00	30.10	192	6.96	7.18	10.3
8/15/2005	4:17:00	30.11	192	6.94	7.18	10.1
8/15/2005	4:31:59	30.10	193	6.89	7.17	10.3
8/15/2005	4:46:59	30.10	192	6.83	7.18	9.9
8/15/2005	5:02:00	30.09	192	6.69	7.18	10.1
8/15/2005	5:17:00	30.08	192	6.82	7.17	10.1
8/15/2005	5:31:59	30.05	191	6.86	7.17	9.7
8/15/2005	5:46:59	30.05	191	6.92	7.16	10.0
8/15/2005	6:01:59	30.04	190	6.96	7.17	10.5
8/15/2005	6:17:00	30.02	189	6.96	7.17	9.2
8/15/2005	6:32:00	30.02	189	6.94	7.16	9.4
8/15/2005	6:46:59	30.00	190	6.92	7.15	9.7
8/15/2005	7:02:00	29.99	190	6.86	7.15	9.8
8/15/2005	7:17:00	29.99	190	6.82	7.16	10.3
8/15/2005	7:31:59	29.99	190	6.79	7.15	10.0
8/15/2005	7:47:00	29.99	190	6.86	7.12	11.9
8/15/2005	8:02:00	30.01	190	6.90	7.14	10.0
8/15/2005	8:16:59	30.00	190	6.76	7.15	10.8
8/15/2005	8:31:59	29.99	190	6.68	7.14	11.3
8/15/2005	8:47:00	29.96	186	6.91	7.12	11.9
8/15/2005	9:02:00	30.03	183	7.18	7.18	9.4
8/15/2005	9:16:59	29.99	183	7.01	7.17	12.7
8/15/2005	9:32:00	30.00	184	7.07	7.17	10.7
8/15/2005	9:47:00	29.97	182	7.05	7.16	13.5
<b>MAX</b>		32.23	243.00	9.86	8.34	21.40
<b>MIN</b>		29.44	182.00	6.68	7.09	9.20
<b>AVG</b>		30.14	202.86	7.42	7.27	11.64

Sonde Summary  
 TT327 - Lower Layer  
 August 2005

Date m/d/y	Time hh:mm:ss	Temp °C	SpCond uS/cm	DO mg/L	pH s.u.	Turbidity NTU
8/13/2005	17:32:00	29.61	186	7.13	7.06	12.8
8/13/2005	17:47:00	29.75	188	7.29	7.07	12.8
8/13/2005	18:01:59	29.78	188	7.21	7.06	12.8
8/13/2005	18:46:59	29.67	189	7.18	7.04	12.5
8/13/2005	19:01:59	29.55	185	6.89	6.98	13.1
8/13/2005	19:17:00	29.48	183	6.78	6.95	12.8
8/13/2005	19:32:00	29.53	185	6.79	6.97	12.6
8/13/2005	19:46:59	29.65	189	6.84	7.00	14.5
8/13/2005	20:02:00	29.58	187	6.82	7.01	15.4
8/13/2005	20:17:00	30.03	201	7.29	7.14	14.6
8/13/2005	20:31:59	30.01	204	7.18	7.11	14.1
8/13/2005	20:47:00	29.65	195	6.71	6.99	13.4
8/13/2005	21:02:00	29.68	195	6.74	7.01	13.9
8/13/2005	21:16:59	29.70	194	6.81	7.02	13.6
8/13/2005	21:31:59	29.53	190	6.57	6.97	12.8
8/13/2005	21:47:00	30.07	198	7.26	7.14	12.9
8/13/2005	22:02:00	30.05	213	6.90	7.06	12.3
8/13/2005	22:16:59	29.86	195	6.98	7.05	15.3
8/13/2005	22:32:00	29.85	195	6.99	7.07	14.1
8/13/2005	22:47:00	29.91	200	6.92	7.08	13.3
8/13/2005	23:01:59	29.70	188	6.86	7.01	13.3
8/13/2005	23:17:00	29.78	186	7.01	7.02	13.7
8/13/2005	23:32:00	30.01	202	7.15	7.10	11.8
8/13/2005	23:46:59	30.00	197	7.34	7.11	21.0
8/14/2005	0:02:00	30.14	201	7.47	7.15	17.8
8/14/2005	0:17:00	30.13	202	7.47	7.15	17.5
8/14/2005	0:32:00	30.12	202	7.45	7.14	16.6
8/14/2005	0:46:59	30.06	199	7.32	7.11	15.5
8/14/2005	1:02:00	29.91	195	7.15	7.09	14.3
8/14/2005	1:17:00	29.85	192	7.07	7.07	13.1
8/14/2005	1:31:59	29.84	191	6.99	7.06	12.2
8/14/2005	1:47:00	29.79	188	6.84	7.05	12.8
8/14/2005	2:02:00	29.64	181	6.87	7.00	13.0
8/14/2005	2:16:59	29.68	185	6.89	7.00	12.5
8/14/2005	2:32:00	29.62	183	6.83	6.99	11.8
8/14/2005	2:47:00	29.73	193	7.13	7.07	11.3
8/14/2005	3:02:00	29.71	190	7.05	7.06	11.2
8/14/2005	3:16:59	29.65	187	7.00	7.03	11.1
8/14/2005	3:32:00	29.63	183	6.90	7.02	10.9
8/14/2005	3:47:00	29.62	184	6.93	7.02	11.3
8/14/2005	4:01:59	29.63	191	7.01	7.04	10.8
8/14/2005	4:17:00	29.55	185	7.04	7.02	11.0
8/14/2005	4:32:00	29.56	185	7.00	7.04	10.6
8/14/2005	4:46:59	29.54	184	6.90	7.04	10.6

Sonde Summary  
 TT327 - Lower Layer  
 August 2005

Date m/d/y	Time hh:mm:ss	Temp °C	SpCond uS/cm	DO mg/L	pH s.u.	Turbidity NTU
8/14/2005	5:02:00	29.53	184	6.91	7.03	10.6
8/14/2005	5:17:00	29.54	183	7.07	7.00	21.5
8/14/2005	5:32:00	29.53	181	7.05	7.02	16.7
8/14/2005	5:46:59	29.49	183	7.01	7.01	13.9
8/14/2005	6:02:00	29.50	186	6.99	7.02	13.8
8/14/2005	6:17:00	29.48	185	6.93	7.01	15.0
8/14/2005	6:31:59	29.46	184	6.95	7.02	11.9
8/14/2005	6:47:00	29.46	184	6.88	7.03	12.3
8/14/2005	7:02:00	29.47	182	6.92	7.01	12.9
8/14/2005	7:16:59	29.43	179	7.01	6.97	12.6
8/14/2005	7:32:00	29.47	178	7.00	6.98	11.5
8/14/2005	7:47:00	29.45	178	6.83	6.99	16.2
8/14/2005	8:02:00	29.45	178	6.70	6.98	23.8
8/14/2005	8:16:59	29.46	178	6.93	6.96	14.5
8/14/2005	8:32:00	29.45	178	6.92	6.97	13.4
8/14/2005	8:47:00	29.46	177	6.91	6.95	13.7
8/14/2005	9:01:59	29.46	177	6.76	6.97	17.8
8/14/2005	9:17:00	29.51	178	6.86	6.97	12.6
8/14/2005	9:32:00	29.49	178	6.80	6.97	13.4
8/14/2005	9:46:59	29.48	178	6.83	6.96	16.1
8/14/2005	10:02:00	29.51	177	6.91	6.96	12.7
8/14/2005	10:17:00	29.50	177	6.82	6.95	15.8
8/14/2005	10:31:59	29.54	178	6.85	6.96	11.8
8/14/2005	10:46:59	29.57	181	6.89	6.96	11.5
8/14/2005	11:02:00	29.61	183	6.90	6.99	11.6
8/14/2005	11:17:00	29.63	187	6.87	6.99	11.6
8/14/2005	11:31:59	29.64	187	6.89	6.99	12.2
8/14/2005	11:47:00	29.66	184	6.89	7.00	12.2
8/14/2005	12:02:00	29.66	187	6.77	6.99	12.1
8/14/2005	12:16:59	29.64	185	6.66	6.99	13.7
8/14/2005	12:32:00	29.65	185	6.61	6.99	13.0
8/14/2005	12:47:00	29.62	185	6.59	6.97	12.0
8/14/2005	13:01:59	29.62	184	6.66	6.97	13.0
8/14/2005	13:16:59	29.58	182	6.43	6.94	15.3
8/14/2005	13:32:00	29.55	182	6.52	6.92	15.6
8/14/2005	13:47:00	29.58	185	6.68	6.94	12.5
8/14/2005	14:01:59	29.61	186	6.72	6.95	12.2
8/14/2005	14:17:00	29.62	187	6.73	6.97	11.6
8/14/2005	14:32:00	29.70	185	6.97	6.97	12.6
8/14/2005	14:46:59	29.68	182	6.89	6.97	11.9
8/14/2005	15:02:00	29.65	182	6.81	6.95	11.6
8/14/2005	15:17:00	30.14	187	7.50	7.12	15.9
8/14/2005	15:31:59	30.06	186	7.52	7.10	13.1
8/14/2005	15:46:59	30.14	187	7.84	7.19	12.0
8/14/2005	16:02:00	30.12	188	7.53	7.12	14.3
8/14/2005	16:17:00	30.09	188	7.54	7.11	14.1



Sonde Summary  
 TT327 - Lower Layer  
 August 2005

Date m/d/y	Time hh:mm:ss	Temp °C	SpCond uS/cm	DO mg/L	pH s.u.	Turbidity NTU
8/14/2005	16:31:59	30.18	192	7.84	7.16	12.1
8/14/2005	16:47:00	30.07	190	7.60	7.14	12.5
8/14/2005	17:02:00	29.93	187	7.19	7.03	13.9
8/14/2005	17:16:59	29.90	186	7.14	7.02	15.4
8/14/2005	17:32:00	30.02	190	7.39	7.07	13.2
8/14/2005	17:47:00	30.30	193	7.93	7.19	13.3
8/14/2005	18:01:59	30.15	192	7.35	7.11	18.6
8/14/2005	18:16:59	30.30	194	7.45	7.14	14.3
8/14/2005	18:32:00	30.04	189	7.14	7.03	15.0
8/14/2005	18:47:00	30.01	188	7.03	7.03	15.6
8/14/2005	19:01:59	29.93	187	6.92	7.01	16.2
8/14/2005	19:17:00	29.98	188	7.08	7.04	14.1
8/14/2005	19:32:00	30.35	196	7.58	7.18	12.7
8/14/2005	19:46:59	30.16	192	7.30	7.12	13.6
8/14/2005	20:02:00	29.94	187	6.86	7.02	17.2
8/14/2005	20:17:00	29.94	184	6.94	7.02	12.6
8/14/2005	20:31:59	29.91	184	6.95	6.99	13.1
8/14/2005	20:46:59	30.01	183	7.10	7.02	12.8
8/14/2005	21:02:00	29.97	179	7.09	7.05	10.7
8/14/2005	21:17:00	29.88	180	6.93	6.98	13.1
8/14/2005	21:31:59	30.48	191	7.66	7.20	13.7
8/14/2005	21:47:00	30.48	193	7.54	7.16	14.4
8/14/2005	22:02:00	30.38	189	7.50	7.16	14.1
8/14/2005	22:16:59	30.47	192	7.63	7.19	11.3
8/14/2005	22:32:00	30.65	196	7.73	7.27	10.8
8/14/2005	22:47:00	30.58	196	7.60	7.24	13.6
8/14/2005	23:01:59	30.67	198	7.75	7.25	12.3
8/14/2005	23:16:59	30.54	194	7.67	7.18	13.4
8/14/2005	23:32:00	30.43	193	7.50	7.16	14.8
8/14/2005	23:47:00	30.53	194	7.62	7.18	12.0
8/15/2005	0:01:59	30.48	193	7.49	7.18	11.7
8/15/2005	0:17:00	30.42	191	7.43	7.16	12.6
8/15/2005	0:32:00	30.38	189	7.35	7.14	13.2
8/15/2005	0:46:59	30.45	192	7.39	7.17	12.5
8/15/2005	1:02:00	30.35	189	7.37	7.11	13.3
8/15/2005	1:17:00	30.30	186	7.36	7.10	11.6
8/15/2005	1:31:59	30.28	186	7.36	7.09	11.2
8/15/2005	1:46:59	30.26	186	7.33	7.08	10.8
8/15/2005	2:02:00	30.25	185	7.35	7.06	13.4
8/15/2005	2:17:00	30.26	185	7.28	7.09	14.7
8/15/2005	2:31:59	30.21	185	7.28	7.08	11.8
8/15/2005	2:47:00	30.20	184	7.22	7.08	13.7
8/15/2005	3:02:00	30.17	184	7.18	7.07	10.9
8/15/2005	3:16:59	30.14	182	7.15	7.07	10.5
8/15/2005	3:32:00	30.13	181	7.14	7.06	10.9
8/15/2005	3:47:00	30.11	181	6.98	7.07	12.9

Sonde Summary  
 TT327 - Lower Layer  
 August 2005

Date m/d/y	Time hh:mm:ss	Temp °C	SpCond uS/cm	DO mg/L	pH s.u.	Turbidity NTU
8/15/2005	4:01:59	30.11	182	7.00	7.05	10.2
8/15/2005	4:17:00	30.11	181	6.97	7.07	10.3
8/15/2005	4:32:00	30.09	182	6.98	7.04	10.0
8/15/2005	4:47:00	30.10	181	6.89	7.06	10.6
8/15/2005	5:01:59	30.08	182	6.84	7.05	10.8
8/15/2005	5:17:00	30.08	182	6.91	7.05	10.1
8/15/2005	5:32:00	30.05	181	7.01	7.04	9.7
8/15/2005	5:46:59	30.05	180	7.03	7.03	9.8
8/15/2005	6:02:00	30.05	180	7.00	7.03	10.5
8/15/2005	6:17:00	30.03	179	6.99	7.03	10.2
8/15/2005	6:31:59	30.02	179	6.98	7.03	10.3
8/15/2005	6:47:00	30.00	179	6.92	7.02	10.2
8/15/2005	7:02:00	30.00	179	6.86	7.02	10.8
8/15/2005	7:17:00	29.99	179	6.82	7.02	12.0
8/15/2005	7:31:59	29.99	179	6.80	7.02	11.1
8/15/2005	7:47:00	29.98	179	6.91	7.00	13.1
8/15/2005	8:02:00	29.98	179	6.88	7.01	11.9
8/15/2005	8:16:59	30.00	179	6.81	7.03	10.1
8/15/2005	8:32:00	29.99	179	6.68	7.02	11.9
8/15/2005	8:47:00	29.95	174	7.01	7.00	12.7
8/15/2005	9:01:59	29.93	173	7.00	6.98	12.1
8/15/2005	9:17:00	30.00	173	7.04	7.04	12.9
8/15/2005	9:32:00	29.99	173	7.10	7.02	11.3
8/15/2005	9:47:00	29.95	172	7.07	6.99	13.4
<b>MAX</b>		30.67	213.00	7.93	7.27	23.80
<b>MIN</b>		29.43	172.00	6.43	6.92	9.70
<b>AVG</b>		29.89	186.20	7.07	7.05	13.05

Sonde Summary  
 TT324 - 1 Foot  
 August 2005

Date m/d/y	Time hh:mm:ss	Temp °C	SpCond uS/cm	DO mg/L	pH s.u.	Turbidity NTU
8/13/2005	17:46:59	30.25	244	8.55	7.90	8.6
8/13/2005	18:02:00	32.13	234	9.33	8.14	10.2
8/13/2005	18:17:00	31.51	233	9.06	7.86	10.6
8/13/2005	18:31:59	31.79	240	9.16	7.92	11.1
8/13/2005	18:46:59	31.92	236	9.46	8.13	10.8
8/13/2005	19:02:00	32.27	237	9.78	8.30	9.9
8/13/2005	19:17:00	32.13	236	9.53	8.19	10.1
8/13/2005	19:31:59	32.20	235	9.53	8.24	10.6
8/13/2005	19:46:59	32.38	238	9.82	8.33	10.1
8/13/2005	20:02:00	31.73	233	9.33	8.03	10.5
8/13/2005	20:17:00	32.15	234	9.81	8.36	9.9
8/13/2005	20:31:59	31.86	228	9.62	8.19	10.0
8/13/2005	20:46:59	31.72	228	9.48	8.13	9.7
8/13/2005	21:02:00	31.62	228	9.50	8.17	9.5
8/13/2005	21:17:00	31.45	229	9.34	8.16	9.7
8/13/2005	21:31:59	30.90	230	8.40	7.64	11.9
8/13/2005	21:47:00	30.78	230	8.16	7.51	11.4
8/13/2005	22:02:00	31.02	231	8.41	7.68	11.1
8/13/2005	22:17:00	30.70	231	8.07	7.50	11.9
8/13/2005	22:31:59	30.73	230	8.09	7.53	11.2
8/13/2005	22:47:00	30.74	231	8.03	7.52	11.9
8/13/2005	23:02:00	30.66	231	8.02	7.51	11.2
8/13/2005	23:17:00	30.56	228	8.08	7.48	11.7
8/13/2005	23:31:59	30.53	227	8.10	7.52	10.9
8/13/2005	23:47:00	30.57	228	8.15	7.58	10.8
8/14/2005	0:02:00	30.48	227	8.12	7.56	10.3
8/14/2005	0:17:00	30.44	227	8.10	7.55	10.5
8/14/2005	0:31:59	30.29	225	7.84	7.43	11.5
8/14/2005	0:47:00	30.41	228	7.93	7.50	10.6
8/14/2005	1:02:00	30.52	231	7.85	7.48	10.8
8/14/2005	1:17:00	30.39	228	7.83	7.47	10.9
8/14/2005	1:31:59	30.28	226	7.76	7.42	11.4
8/14/2005	1:47:00	30.23	226	7.72	7.38	11.1
8/14/2005	2:02:00	30.22	228	7.35	7.31	14.1
8/14/2005	2:17:00	30.12	226	7.25	7.27	12.6
8/14/2005	2:31:59	30.07	225	7.12	7.25	13.4
8/14/2005	2:47:00	30.15	227	7.17	7.26	13.6
8/14/2005	3:02:00	30.07	226	7.09	7.24	12.6
8/14/2005	3:17:00	30.07	226	7.05	7.23	12.9
8/14/2005	3:31:59	30.09	226	7.06	7.25	13.0
8/14/2005	3:47:00	30.07	226	7.05	7.25	12.5
8/14/2005	4:02:00	30.04	226	7.01	7.26	11.8
8/14/2005	4:17:00	29.95	225	7.04	7.24	11.5
8/14/2005	4:31:59	29.86	222	6.96	7.22	11.1

Sonde Summary  
 TT324 - 1 Foot  
 August 2005

Date m/d/y	Time hh:mm:ss	Temp °C	SpCond uS/cm	DO mg/L	pH s.u.	Turbidity NTU
8/14/2005	4:47:00	29.85	223	6.93	7.23	11.2
8/14/2005	5:02:00	29.88	223	6.88	7.22	11.8
8/14/2005	5:17:00	29.86	222	6.89	7.21	11.1
8/14/2005	5:31:59	29.80	222	6.88	7.21	11.0
8/14/2005	5:47:00	29.81	223	6.86	7.20	11.5
8/14/2005	6:02:00	29.82	222	6.83	7.20	12.0
8/14/2005	6:17:00	29.79	223	6.83	7.20	11.9
8/14/2005	6:31:59	29.73	222	6.84	7.19	11.7
8/14/2005	6:47:00	29.72	221	6.85	7.17	12.1
8/14/2005	7:02:00	29.68	220	6.81	7.16	19.9
8/14/2005	7:17:00	29.65	220	6.77	7.15	16.2
8/14/2005	7:31:59	29.66	220	6.79	7.15	14.7
8/14/2005	7:47:00	29.62	219	6.80	7.16	14.1
8/14/2005	8:02:00	29.62	219	6.84	7.16	14.1
8/14/2005	8:17:00	29.64	219	6.87	7.17	14.0
8/14/2005	8:31:59	29.69	220	6.90	7.17	12.6
8/14/2005	8:47:00	29.69	220	6.94	7.18	11.9
8/14/2005	9:02:00	29.60	216	6.87	7.15	14.9
8/14/2005	9:16:59	29.66	215	6.98	7.16	13.4
8/14/2005	9:31:59	29.64	216	6.96	7.15	13.3
8/14/2005	9:47:00	29.78	218	7.11	7.20	12.2
8/14/2005	10:02:00	29.77	218	7.11	7.21	12.6
8/14/2005	10:16:59	29.96	218	7.46	7.27	12.0
8/14/2005	10:31:59	30.03	216	7.69	7.29	10.9
8/14/2005	10:47:00	30.05	212	7.89	7.26	10.9
8/14/2005	11:02:00	30.32	213	8.51	7.51	10.9
8/14/2005	11:16:59	30.19	211	8.44	7.43	12.0
8/14/2005	11:31:59	29.97	212	7.99	7.29	12.0
8/14/2005	11:47:00	30.01	212	8.10	7.32	12.7
8/14/2005	12:02:00	29.96	212	7.90	7.29	13.6
8/14/2005	12:16:59	30.24	212	8.89	7.68	12.8
8/14/2005	12:31:59	30.50	214	9.43	7.85	12.5
8/14/2005	12:47:00	30.97	213	10.02	8.34	11.8
8/14/2005	13:02:00	31.17	212	10.22	8.35	12.0
8/14/2005	13:16:59	31.46	212	10.62	8.41	11.2
8/14/2005	13:31:59	31.24	213	10.28	8.33	11.6
8/14/2005	13:47:00	31.77	214	10.31	8.29	11.1
8/14/2005	14:02:00	32.12	217	10.71	8.45	10.6
8/14/2005	14:16:59	32.10	217	10.81	8.40	10.6
8/14/2005	14:31:59	31.87	216	11.25	8.64	11.1
8/14/2005	14:47:00	31.13	219	10.77	8.20	11.4
8/14/2005	15:02:00	31.39	221	9.73	8.04	12.3
8/14/2005	15:16:59	32.14	223	10.69	8.41	10.5
8/14/2005	15:31:59	33.43	225	10.63	8.35	10.1
8/14/2005	15:47:00	31.69	226	10.78	8.30	11.1
8/14/2005	16:02:00	31.65	226	11.30	8.64	11.2

Sonde Summary  
 TT324 - 1 Foot  
 August 2005

Date m/d/y	Time hh:mm:ss	Temp °C	SpCond uS/cm	DO mg/L	pH s.u.	Turbidity NTU
8/14/2005	16:16:59	32.11	228	11.38	8.64	11.2
8/14/2005	16:32:00	31.65	228	10.43	8.31	11.5
8/14/2005	16:47:00	32.33	228	11.67	8.73	11.4
8/14/2005	17:02:00	32.47	230	11.62	8.58	11.4
8/14/2005	17:16:59	32.81	232	11.45	8.58	10.1
8/14/2005	17:32:00	31.29	229	9.74	8.06	11.9
8/14/2005	17:47:00	31.21	228	9.07	7.80	12.3
8/14/2005	18:02:00	32.08	229	10.02	8.19	11.7
8/14/2005	18:16:59	31.59	229	9.38	7.91	11.9
8/14/2005	18:32:00	31.54	229	9.21	7.85	11.5
8/14/2005	18:47:00	31.70	229	9.38	7.96	11.5
8/14/2005	19:02:00	31.67	232	9.56	8.03	11.8
8/14/2005	19:16:59	31.95	232	9.69	8.17	11.5
8/14/2005	19:32:00	31.91	234	9.68	8.11	11.0
8/14/2005	19:47:00	32.30	233	9.96	8.39	9.6
8/14/2005	20:02:00	32.23	233	9.86	8.26	10.3
8/14/2005	20:16:59	32.18	232	9.82	8.22	10.6
8/14/2005	20:32:00	32.33	231	10.10	8.33	10.3
8/14/2005	20:47:00	31.23	234	8.84	7.67	13.1
8/14/2005	21:02:00	31.62	234	9.49	8.01	11.1
8/14/2005	21:16:59	31.50	233	9.12	7.90	11.1
8/14/2005	21:32:00	31.18	235	8.65	7.59	11.7
8/14/2005	21:47:00	31.17	236	8.82	7.68	11.2
8/14/2005	22:02:00	31.01	234	8.35	7.52	12.5
8/14/2005	22:16:59	30.96	232	8.34	7.45	12.0
8/14/2005	22:32:00	30.61	233	7.64	7.30	14.1
8/14/2005	22:47:00	30.68	232	7.82	7.36	13.1
8/14/2005	23:02:00	30.69	231	7.87	7.38	12.4
8/14/2005	23:16:59	30.74	232	8.05	7.42	12.0
8/14/2005	23:32:00	30.47	231	7.34	7.25	16.9
8/14/2005	23:47:00	30.70	232	7.79	7.37	12.2
8/15/2005	0:01:59	30.65	232	7.74	7.35	11.9
8/15/2005	0:16:59	30.58	235	7.61	7.32	12.0
8/15/2005	0:32:00	30.57	236	7.47	7.31	12.0
8/15/2005	0:47:00	30.59	236	7.54	7.32	11.9
8/15/2005	1:01:59	30.60	236	7.76	7.38	11.2
8/15/2005	1:16:59	30.58	239	7.57	7.33	11.3
8/15/2005	1:32:00	30.51	239	7.46	7.29	11.5
8/15/2005	1:47:00	30.54	239	7.51	7.31	11.5
8/15/2005	2:01:59	30.52	240	7.42	7.31	11.4
8/15/2005	2:16:59	30.46	240	7.26	7.26	11.7
8/15/2005	2:32:00	30.40	242	7.20	7.24	12.0
8/15/2005	2:47:00	30.41	242	7.15	7.23	15.6
8/15/2005	3:01:59	30.41	242	7.15	7.22	14.7
8/15/2005	3:16:59	30.38	242	7.01	7.21	13.0
8/15/2005	3:32:00	30.34	242	7.04	7.21	12.8

Sonde Summary  
 TT324 - 1 Foot  
 August 2005

Date m/d/y	Time hh:mm:ss	Temp °C	SpCond uS/cm	DO mg/L	pH s.u.	Turbidity NTU
8/15/2005	3:47:00	30.39	242	7.10	7.23	12.6
8/15/2005	4:01:59	30.38	242	7.06	7.22	12.5
8/15/2005	4:17:00	30.35	242	7.04	7.22	11.9
8/15/2005	4:32:00	30.36	242	7.02	7.21	12.0
8/15/2005	4:47:00	30.36	242	7.00	7.21	11.7
8/15/2005	5:01:59	30.34	242	6.95	7.21	11.6
8/15/2005	5:17:00	30.33	242	6.94	7.20	11.5
8/15/2005	5:32:00	30.31	242	6.96	7.20	11.6
8/15/2005	5:47:00	30.32	242	6.91	7.20	11.1
8/15/2005	6:01:59	30.31	242	6.90	7.20	10.9
8/15/2005	6:17:00	30.29	242	6.90	7.20	11.1
8/15/2005	6:32:00	30.30	242	6.85	7.19	11.5
8/15/2005	6:47:00	30.30	242	6.86	7.19	11.5
8/15/2005	7:01:59	30.29	241	6.86	7.19	12.4
8/15/2005	7:17:00	30.28	242	6.86	7.19	11.5
8/15/2005	7:32:00	30.27	241	6.88	7.19	11.2
8/15/2005	7:47:00	30.27	241	6.86	7.20	11.2
8/15/2005	8:01:59	30.27	241	6.97	7.20	11.2
8/15/2005	8:17:00	30.25	241	6.96	7.20	10.7
8/15/2005	8:32:00	30.23	240	6.95	7.20	10.6
8/15/2005	8:47:00	30.28	240	7.10	7.22	11.1
8/15/2005	9:01:59	30.31	241	6.97	7.20	11.7
8/15/2005	9:17:00	30.32	238	7.64	7.29	9.7
8/15/2005	9:32:00	30.58	239	7.97	7.42	8.9
8/15/2005	9:47:00	30.57	237	8.12	7.42	9.4
<b>MAX</b>		33.43	244.00	11.67	8.73	19.90
<b>MIN</b>		29.60	211.00	6.77	7.15	8.60
<b>AVG</b>		30.75	229.34	8.22	7.59	11.72

Sonde Summary  
 TT324 - 5 feet  
 August 2005

Date m/d/y	Time hh:mm:ss	Temp °C	SpCond uS/cm	DO mg/L	pH s.u.	Turbidity NTU
8/13/2005	17:47:00	30.55	239	7.58	7.59	12.6
8/13/2005	18:02:00	30.72	235	7.57	7.44	11.9
8/13/2005	18:17:00	30.83	233	7.72	7.50	11.5
8/13/2005	18:32:00	30.82	234	7.74	7.50	11.7
8/13/2005	18:47:00	30.74	231	7.84	7.51	11.6
8/13/2005	19:02:00	30.85	232	7.88	7.53	11.2
8/13/2005	19:17:00	31.18	232	7.64	7.57	11.0
8/13/2005	19:32:00	30.75	233	7.53	7.45	11.8
8/13/2005	19:47:00	30.49	239	6.99	7.31	12.3
8/13/2005	20:02:00	30.65	236	7.35	7.38	11.9
8/13/2005	20:17:00	30.43	237	7.08	7.31	11.7
8/13/2005	20:32:00	30.58	232	7.34	7.36	11.9
8/13/2005	20:47:00	30.45	229	7.15	7.30	12.2
8/13/2005	21:02:00	30.26	231	6.78	7.26	13.3
8/13/2005	21:17:00	30.90	230	8.11	7.64	11.0
8/13/2005	21:32:00	30.38	230	7.01	7.32	17.7
8/13/2005	21:47:00	30.41	229	7.13	7.34	14.8
8/13/2005	22:02:00	30.28	228	6.97	7.27	13.3
8/13/2005	22:17:00	30.44	229	7.02	7.31	12.9
8/13/2005	22:32:00	30.54	229	7.31	7.36	12.3
8/13/2005	22:47:00	30.33	229	6.91	7.28	13.1
8/13/2005	23:02:00	30.64	227	7.73	7.50	11.6
8/13/2005	23:17:00	30.51	226	7.64	7.42	11.5
8/13/2005	23:32:00	30.45	225	7.73	7.48	11.1
8/13/2005	23:47:00	30.31	225	7.43	7.38	12.3
8/14/2005	0:02:00	30.40	224	7.70	7.50	10.9
8/14/2005	0:17:00	30.41	225	7.77	7.52	10.8
8/14/2005	0:32:00	30.33	224	7.57	7.45	10.9
8/14/2005	0:47:00	30.43	226	7.59	7.50	10.6
8/14/2005	1:02:00	30.38	226	7.59	7.51	10.8
8/14/2005	1:17:00	30.36	226	7.61	7.47	10.6
8/14/2005	1:32:00	30.31	225	7.52	7.44	10.9
8/14/2005	1:47:00	30.25	225	7.43	7.40	10.7
8/14/2005	2:02:00	30.24	226	7.12	7.34	13.5
8/14/2005	2:17:00	30.16	225	7.00	7.30	13.0
8/14/2005	2:32:00	30.09	224	6.93	7.28	12.2
8/14/2005	2:47:00	30.16	225	6.96	7.29	12.8
8/14/2005	3:02:00	30.11	225	6.90	7.28	12.4
8/14/2005	3:17:00	30.10	224	6.87	7.28	12.7
8/14/2005	3:32:00	30.06	223	6.82	7.27	12.9
8/14/2005	3:47:00	30.06	224	6.84	7.28	12.3
8/14/2005	4:02:00	30.05	224	6.79	7.29	12.2
8/14/2005	4:17:00	29.93	221	6.81	7.26	11.9
8/14/2005	4:32:00	29.89	222	6.78	7.26	11.2
8/14/2005	4:47:00	29.91	222	6.69	7.27	11.1
8/14/2005	5:02:00	29.90	222	6.61	7.23	11.9

Sonde Summary  
 TT324 - 5 feet  
 August 2005

Date m/d/y	Time hh:mm:ss	Temp °C	SpCond uS/cm	DO mg/L	pH s.u.	Turbidity NTU
8/14/2005	5:17:00	29.89	222	6.72	7.26	11.5
8/14/2005	5:32:00	29.83	221	6.69	7.24	11.6
8/14/2005	5:47:00	29.84	221	6.69	7.24	12.2
8/14/2005	6:02:00	29.83	221	6.65	7.24	11.5
8/14/2005	6:17:00	29.80	221	6.64	7.22	11.8
8/14/2005	6:32:00	29.75	220	6.62	7.22	11.8
8/14/2005	6:47:00	29.73	220	6.65	7.22	12.2
8/14/2005	7:02:00	29.71	220	6.61	7.20	23.0
8/14/2005	7:17:00	29.68	219	6.56	7.20	15.6
8/14/2005	7:32:00	29.67	219	6.57	7.20	14.6
8/14/2005	7:47:00	29.62	217	6.57	7.20	13.0
8/14/2005	8:02:00	29.62	217	6.59	7.20	13.0
8/14/2005	8:17:00	29.62	217	6.57	7.19	13.6
8/14/2005	8:32:00	29.65	218	6.61	7.21	12.4
8/14/2005	8:47:00	29.66	217	6.62	7.20	12.1
8/14/2005	9:02:00	29.60	215	6.57	7.19	15.3
8/14/2005	9:17:00	29.60	214	6.61	7.18	16.1
8/14/2005	9:32:00	29.58	214	6.55	7.18	14.2
8/14/2005	9:47:00	29.67	216	6.68	7.21	12.8
8/14/2005	10:02:00	29.74	215	6.71	7.22	13.8
8/14/2005	10:17:00	29.75	214	6.79	7.23	12.8
8/14/2005	10:32:00	29.67	213	6.74	7.21	12.2
8/14/2005	10:47:00	29.68	210	6.90	7.21	13.0
8/14/2005	11:02:00	29.67	211	6.79	7.19	12.9
8/14/2005	11:17:00	29.67	211	6.85	7.22	12.9
8/14/2005	11:32:00	29.62	211	6.63	7.17	14.4
8/14/2005	11:47:00	29.60	211	6.53	7.16	14.1
8/14/2005	12:02:00	29.59	211	6.46	7.16	14.0
8/14/2005	12:17:00	29.65	211	6.60	7.18	14.1
8/14/2005	12:32:00	29.65	211	6.52	7.18	14.1
8/14/2005	12:47:00	29.68	212	6.67	7.21	13.7
8/14/2005	13:02:00	29.77	212	6.85	7.23	12.6
8/14/2005	13:17:00	29.74	212	6.85	7.21	12.6
8/14/2005	13:32:00	29.74	213	6.80	7.22	12.6
8/14/2005	13:47:00	29.74	213	6.77	7.22	12.4
8/14/2005	14:02:00	29.86	214	7.04	7.26	11.3
8/14/2005	14:17:00	29.81	213	6.89	7.23	11.9
8/14/2005	14:32:00	29.89	214	6.98	7.24	11.5
8/14/2005	14:47:00	30.13	214	7.81	7.43	13.0
8/14/2005	15:02:00	30.07	215	7.13	7.26	15.9
8/14/2005	15:17:00	30.36	216	8.34	7.55	12.9
8/14/2005	15:32:00	30.31	217	7.72	7.38	13.9
8/14/2005	15:47:00	30.38	217	8.74	7.73	12.3
8/14/2005	16:02:00	30.42	223	8.24	7.57	12.4
8/14/2005	16:17:00	30.50	222	7.97	7.48	12.7
8/14/2005	16:32:00	30.29	224	7.84	7.43	12.1
8/14/2005	16:47:00	30.18	223	7.72	7.37	12.2
8/14/2005	17:02:00	30.82	225	9.51	8.11	11.6



Sonde Summary  
TT324 - 5 feet  
August 2005

Date m/d/y	Time hh:mm:ss	Temp °C	SpCond uS/cm	DO mg/L	pH s.u.	Turbidity NTU
8/14/2005	17:17:00	30.55	221	7.64	7.38	15.7
8/14/2005	17:32:00	30.37	223	7.60	7.40	14.2
8/14/2005	17:47:00	30.70	224	7.75	7.42	14.1
8/14/2005	18:02:00	30.39	224	7.40	7.33	14.0
8/14/2005	18:17:00	30.66	226	7.80	7.47	13.1
8/14/2005	18:32:00	30.73	227	8.08	7.54	13.0
8/14/2005	18:47:00	30.63	228	7.94	7.46	12.3
8/14/2005	19:02:00	30.50	229	7.71	7.40	12.6
8/14/2005	19:17:00	30.46	229	7.56	7.38	12.9
8/14/2005	19:32:00	30.47	227	7.55	7.36	13.4
8/14/2005	19:47:00	31.06	231	8.59	7.70	12.0
8/14/2005	20:02:00	30.90	234	8.13	7.55	11.7
8/14/2005	20:17:00	30.72	230	7.75	7.42	12.6
8/14/2005	20:32:00	30.64	236	7.58	7.38	11.7
8/14/2005	20:47:00	31.00	233	7.91	7.49	15.5
8/14/2005	21:02:00	30.58	232	7.46	7.36	13.1
8/14/2005	21:17:00	30.69	234	7.57	7.38	14.6
8/14/2005	21:32:00	30.65	231	7.56	7.37	14.2
8/14/2005	21:47:00	30.79	232	7.67	7.42	13.3
8/14/2005	22:02:00	30.63	232	7.37	7.35	14.2
8/14/2005	22:17:00	30.64	228	7.49	7.37	14.7
8/14/2005	22:32:00	30.53	232	7.20	7.31	15.0
8/14/2005	22:47:00	30.56	229	7.28	7.33	15.1
8/14/2005	23:02:00	30.60	231	7.29	7.34	13.8
8/14/2005	23:17:00	30.67	230	7.44	7.36	12.9
8/14/2005	23:32:00	30.54	231	7.20	7.31	19.1
8/14/2005	23:47:00	30.69	231	7.43	7.39	12.7
8/15/2005	0:02:00	30.64	231	7.43	7.36	12.3
8/15/2005	0:17:00	30.62	235	7.33	7.35	12.3
8/15/2005	0:32:00	30.60	235	7.21	7.33	12.6
8/15/2005	0:47:00	30.60	236	7.22	7.35	12.2
8/15/2005	1:02:00	30.63	236	7.46	7.42	10.8
8/15/2005	1:17:00	30.53	238	7.09	7.28	12.6
8/15/2005	1:32:00	30.55	238	7.18	7.33	11.5
8/15/2005	1:47:00	30.55	238	7.20	7.34	11.4
8/15/2005	2:02:00	30.55	239	7.11	7.33	11.4
8/15/2005	2:17:00	30.48	240	7.06	7.30	11.7
8/15/2005	2:32:00	30.44	241	6.98	7.27	11.8
8/15/2005	2:47:00	30.44	242	6.97	7.28	13.1
8/15/2005	3:02:00	30.43	240	6.92	7.27	14.4
8/15/2005	3:17:00	30.41	241	6.79	7.25	12.7
8/15/2005	3:32:00	30.39	241	6.82	7.25	13.4
8/15/2005	3:47:00	30.42	240	6.87	7.26	12.1
8/15/2005	4:02:00	30.41	241	6.83	7.26	12.8
8/15/2005	4:17:00	30.40	241	6.81	7.25	12.1
8/15/2005	4:32:00	30.39	241	6.80	7.25	12.0
8/15/2005	4:47:00	30.39	241	6.78	7.25	12.2
8/15/2005	5:02:00	30.37	241	6.74	7.25	11.6

Sonde Summary  
 TT324 - 5 feet  
 August 2005

Date m/d/y	Time hh:mm:ss	Temp °C	SpCond uS/cm	DO mg/L	pH s.u.	Turbidity NTU
8/15/2005	5:17:00	30.36	241	6.72	7.24	11.4
8/15/2005	5:32:00	30.34	241	6.73	7.24	11.4
8/15/2005	5:47:00	30.34	241	6.71	7.24	11.1
8/15/2005	6:02:00	30.33	241	6.69	7.23	11.1
8/15/2005	6:17:00	30.34	241	6.68	7.23	11.3
8/15/2005	6:32:00	30.32	241	6.62	7.22	12.2
8/15/2005	6:47:00	30.31	241	6.57	7.22	13.6
8/15/2005	7:02:00	30.30	241	6.54	7.22	13.5
8/15/2005	7:17:00	30.29	241	6.52	7.22	12.9
8/15/2005	7:32:00	30.29	241	6.55	7.23	12.4
8/15/2005	7:47:00	30.28	241	6.49	7.22	11.5
8/15/2005	8:02:00	30.27	241	6.61	7.22	10.6
8/15/2005	8:17:00	30.23	240	6.58	7.21	11.4
8/15/2005	8:32:00	30.23	239	6.54	7.22	12.2
8/15/2005	8:47:00	30.23	239	6.57	7.22	12.7
8/15/2005	9:02:00	30.22	240	6.35	7.18	12.9
8/15/2005	9:17:00	30.21	237	6.88	7.25	10.1
8/15/2005	9:32:00	30.20	237	6.71	7.24	10.4
8/15/2005	9:47:00	30.20	238	6.57	7.21	11.1
<b>MAX</b>		31.18	242.00	9.51	8.11	23.00
<b>MIN</b>		29.58	210.00	6.35	7.16	10.10
<b>AVG</b>		30.27	227.57	7.14	7.33	12.68

Sonde Summary  
 TT324 - Lower Layer  
 August 2005

Date m/d/y	Time hh:mm:ss	Temp °C	SpCond uS/cm	DO mg/L	pH s.u.	Turbidity NTU
8/13/2005	17:47:00	30.31	239	7.05	7.61	14.7
8/13/2005	18:02:00	30.19	240	6.55	7.27	16.1
8/13/2005	18:17:00	30.23	240	6.54	7.25	14.1
8/13/2005	18:32:00	30.25	240	6.57	7.25	13.4
8/13/2005	18:47:00	30.19	240	6.46	7.23	15.3
8/13/2005	19:02:00	30.19	240	6.47	7.22	14.2
8/13/2005	19:17:00	30.19	239	6.42	7.22	13.9
8/13/2005	19:32:00	30.18	240	6.41	7.22	15.1
8/13/2005	19:47:00	30.16	240	6.37	7.20	15.6
8/13/2005	20:02:00	30.13	239	6.27	7.20	16.3
8/13/2005	20:17:00	30.19	237	6.42	7.21	14.4
8/13/2005	20:32:00	30.13	235	6.37	7.19	15.8
8/13/2005	20:47:00	30.16	234	6.36	7.19	15.0
8/13/2005	21:02:00	30.15	231	6.42	7.20	15.1
8/13/2005	21:17:00	30.17	230	6.53	7.21	16.9
8/13/2005	21:32:00	30.36	231	6.78	7.26	17.5
8/13/2005	21:47:00	30.25	230	6.63	7.25	16.9
8/13/2005	22:02:00	30.26	228	6.80	7.26	17.4
8/13/2005	22:17:00	30.21	228	6.71	7.25	17.2
8/13/2005	22:32:00	30.29	228	6.85	7.27	15.4
8/13/2005	22:47:00	30.25	227	6.71	7.26	15.2
8/13/2005	23:02:00	30.30	227	6.90	7.27	14.0
8/13/2005	23:17:00	30.19	225	6.76	7.23	14.1
8/13/2005	23:32:00	30.17	225	6.67	7.22	15.3
8/13/2005	23:47:00	30.26	227	6.69	7.27	13.6
8/14/2005	0:02:00	30.20	225	6.71	7.26	14.0
8/14/2005	0:17:00	30.21	225	6.70	7.21	13.7
8/14/2005	0:32:00	30.35	224	7.64	7.42	11.6
8/14/2005	0:47:00	30.37	224	7.73	7.46	11.2
8/14/2005	1:02:00	30.33	224	7.79	7.48	11.9
8/14/2005	1:17:00	30.35	224	7.62	7.35	11.2
8/14/2005	1:32:00	30.25	226	7.00	7.24	12.6
8/14/2005	1:47:00	30.26	226	7.20	7.28	12.0
8/14/2005	2:02:00	30.26	225	7.27	7.36	13.4
8/14/2005	2:17:00	30.20	225	7.14	7.32	13.4
8/14/2005	2:32:00	30.13	223	7.06	7.30	12.7
8/14/2005	2:47:00	30.14	224	7.12	7.31	12.6
8/14/2005	3:02:00	30.09	222	7.06	7.29	12.5
8/14/2005	3:17:00	30.09	223	7.06	7.30	13.3
8/14/2005	3:32:00	30.08	222	7.01	7.30	12.6
8/14/2005	3:47:00	30.06	222	7.06	7.30	11.8
8/14/2005	4:02:00	30.02	221	7.05	7.30	11.9
8/14/2005	4:17:00	29.97	220	6.96	7.26	12.3
8/14/2005	4:32:00	29.93	220	6.93	7.26	12.6
8/14/2005	4:47:00	29.95	221	6.87	7.30	11.5

Sonde Summary  
 TT324 - Lower Layer  
 August 2005

Date m/d/y	Time hh:mm:ss	Temp °C	SpCond uS/cm	DO mg/L	pH s.u.	Turbidity NTU
8/14/2005	5:02:00	29.93	221	6.80	7.27	12.3
8/14/2005	5:17:00	29.90	220	6.88	7.27	11.7
8/14/2005	5:32:00	29.87	220	6.86	7.28	11.8
8/14/2005	5:47:00	29.86	220	6.89	7.25	12.0
8/14/2005	6:02:00	29.85	220	6.80	7.26	11.4
8/14/2005	6:17:00	29.82	220	6.82	7.25	12.8
8/14/2005	6:32:00	29.75	218	6.83	7.24	13.7
8/14/2005	6:47:00	29.75	218	6.83	7.24	14.4
8/14/2005	7:02:00	29.76	219	6.80	7.24	26.7
8/14/2005	7:17:00	29.72	218	6.75	7.23	16.2
8/14/2005	7:32:00	29.71	218	6.77	7.23	15.9
8/14/2005	7:47:00	29.68	217	6.76	7.24	15.0
8/14/2005	8:02:00	29.66	216	6.74	7.23	16.9
8/14/2005	8:17:00	29.65	215	6.75	7.23	13.6
8/14/2005	8:32:00	29.65	216	6.74	7.20	13.7
8/14/2005	8:47:00	29.62	215	6.70	7.21	13.8
8/14/2005	9:02:00	29.62	214	6.71	7.21	13.8
8/14/2005	9:17:00	29.63	213	6.79	7.21	18.1
8/14/2005	9:32:00	29.62	214	6.74	7.22	16.9
8/14/2005	9:47:00	29.65	213	6.81	7.23	15.0
8/14/2005	10:02:00	29.64	213	6.71	7.24	17.0
8/14/2005	10:17:00	29.65	212	6.70	7.24	15.6
8/14/2005	10:32:00	29.64	212	6.79	7.22	13.2
8/14/2005	10:47:00	29.60	211	6.60	7.17	17.2
8/14/2005	11:02:00	29.60	210	6.63	7.18	15.6
8/14/2005	11:17:00	29.60	211	6.60	7.17	14.9
8/14/2005	11:32:00	29.60	211	6.56	7.18	16.6
8/14/2005	11:47:00	29.60	210	6.53	7.18	16.4
8/14/2005	12:02:00	29.60	211	6.45	7.18	18.0
8/14/2005	12:17:00	29.60	210	6.41	7.18	14.8
8/14/2005	12:32:00	29.60	210	6.34	7.18	15.1
8/14/2005	12:47:00	29.60	210	6.48	7.17	15.5
8/14/2005	13:02:00	29.60	211	6.37	7.19	13.4
8/14/2005	13:17:00	29.60	210	6.54	7.16	14.5
8/14/2005	13:32:00	29.60	211	6.48	7.18	14.1
8/14/2005	13:47:00	29.60	211	6.47	7.18	14.9
8/14/2005	14:02:00	29.61	210	6.52	7.17	14.4
8/14/2005	14:17:00	29.60	211	6.51	7.16	14.4
8/14/2005	14:32:00	29.59	210	6.54	7.16	14.1
8/14/2005	14:47:00	29.76	211	6.82	7.21	12.5
8/14/2005	15:02:00	29.77	212	6.81	7.23	18.4
8/14/2005	15:17:00	29.72	212	6.66	7.17	16.6
8/14/2005	15:32:00	29.72	212	6.67	7.17	16.1
8/14/2005	15:47:00	29.65	212	6.53	7.17	15.9
8/14/2005	16:02:00	29.64	211	6.45	7.18	15.3
8/14/2005	16:17:00	29.76	213	6.73	7.20	15.0
8/14/2005	16:32:00	29.80	214	6.81	7.21	14.8

Sonde Summary  
 TT324 - Lower Layer  
 August 2005

Date m/d/y	Time hh:mm:ss	Temp °C	SpCond uS/cm	DO mg/L	pH s.u.	Turbidity NTU
8/14/2005	16:47:00	29.74	215	6.65	7.19	15.7
8/14/2005	17:02:00	29.77	217	6.68	7.18	15.8
8/14/2005	17:17:00	30.08	219	7.09	7.28	14.8
8/14/2005	17:32:00	29.96	218	6.93	7.27	17.4
8/14/2005	17:47:00	30.00	219	6.92	7.23	17.7
8/14/2005	18:02:00	30.00	219	6.88	7.22	17.0
8/14/2005	18:17:00	30.01	220	6.92	7.24	16.2
8/14/2005	18:32:00	30.09	222	7.03	7.25	15.5
8/14/2005	18:47:00	30.14	224	7.25	7.30	14.7
8/14/2005	19:02:00	30.06	224	7.05	7.26	14.5
8/14/2005	19:17:00	30.00	223	6.92	7.25	16.0
8/14/2005	19:32:00	29.94	221	6.73	7.22	16.3
8/14/2005	19:47:00	30.06	223	6.83	7.24	15.2
8/14/2005	20:02:00	30.07	225	6.88	7.26	14.9
8/14/2005	20:17:00	30.01	224	6.76	7.22	14.8
8/14/2005	20:32:00	29.95	224	6.70	7.18	15.1
8/14/2005	20:47:00	30.32	228	7.22	7.34	17.1
8/14/2005	21:02:00	30.32	227	7.11	7.31	19.4
8/14/2005	21:17:00	30.38	228	7.29	7.34	15.4
8/14/2005	21:32:00	30.38	228	7.25	7.31	24.2
8/14/2005	21:47:00	30.41	229	7.27	7.34	15.4
8/14/2005	22:02:00	30.59	231	7.43	7.38	16.0
8/14/2005	22:17:00	30.53	227	7.50	7.37	18.6
8/14/2005	22:32:00	30.50	228	7.32	7.34	16.7
8/14/2005	22:47:00	30.53	230	7.23	7.34	15.5
8/14/2005	23:02:00	30.60	231	7.43	7.38	14.5
8/14/2005	23:17:00	30.59	229	7.52	7.35	14.1
8/14/2005	23:32:00	30.58	231	7.43	7.34	17.8
8/14/2005	23:47:00	30.60	230	7.43	7.38	15.8
8/15/2005	0:02:00	30.55	232	7.30	7.33	16.4
8/15/2005	0:17:00	30.61	235	7.35	7.34	13.4
8/15/2005	0:32:00	30.60	234	7.27	7.34	13.9
8/15/2005	0:47:00	30.58	235	7.22	7.33	12.9
8/15/2005	1:02:00	30.53	236	6.95	7.29	13.1
8/15/2005	1:17:00	30.55	237	7.07	7.29	13.6
8/15/2005	1:32:00	30.51	238	6.92	7.30	13.8
8/15/2005	1:47:00	30.47	238	6.74	7.26	13.1
8/15/2005	2:02:00	30.46	238	6.54	7.27	13.5
8/15/2005	2:17:00	30.51	240	7.22	7.33	12.0
8/15/2005	2:32:00	30.48	241	7.19	7.31	12.5
8/15/2005	2:47:00	30.49	241	7.13	7.32	14.1
8/15/2005	3:02:00	30.47	241	7.06	7.30	15.8
8/15/2005	3:17:00	30.46	240	7.00	7.29	12.9
8/15/2005	3:32:00	30.43	240	7.04	7.28	15.1
8/15/2005	3:47:00	30.47	240	7.08	7.30	12.8
8/15/2005	4:02:00	30.44	240	7.06	7.27	12.8
8/15/2005	4:17:00	30.43	240	7.02	7.25	12.7

Sonde Summary  
 TT324 - Lower Layer  
 August 2005

Date m/d/y	Time hh:mm:ss	Temp °C	SpCond uS/cm	DO mg/L	pH s.u.	Turbidity NTU
8/15/2005	4:32:00	30.42	240	7.01	7.23	12.2
8/15/2005	4:47:00	30.42	240	6.99	7.20	12.0
8/15/2005	5:02:00	30.42	240	6.98	7.26	12.0
8/15/2005	5:17:00	30.40	240	6.96	7.26	11.9
8/15/2005	5:32:00	30.37	241	6.95	7.25	11.5
8/15/2005	5:47:00	30.36	241	6.91	7.25	13.3
8/15/2005	6:02:00	30.35	240	6.83	7.25	12.5
8/15/2005	6:17:00	30.37	240	6.91	7.26	12.7
8/15/2005	6:32:00	30.37	241	6.86	7.25	12.9
8/15/2005	6:47:00	30.34	241	6.78	7.24	13.7
8/15/2005	7:02:00	30.32	240	6.72	7.24	13.9
8/15/2005	7:17:00	30.32	241	6.62	7.23	13.9
8/15/2005	7:32:00	30.31	241	6.65	7.23	14.7
8/15/2005	7:47:00	30.29	240	6.64	7.22	14.4
8/15/2005	8:02:00	30.28	241	6.80	7.25	11.9
8/15/2005	8:17:00	30.27	240	6.73	7.25	13.7
8/15/2005	8:32:00	30.26	240	6.67	7.24	12.8
8/15/2005	8:47:00	30.26	240	6.62	7.23	14.1
8/15/2005	9:02:00	30.23	237	6.79	7.23	11.4
8/15/2005	9:17:00	30.21	235	6.91	7.25	12.4
8/15/2005	9:32:00	30.21	235	6.82	7.24	13.5
8/15/2005	9:47:00	30.21	236	6.75	7.24	13.6
<b>MAX</b>		30.61	241.00	7.79	7.61	26.70
<b>MIN</b>		29.59	210.00	6.27	7.16	11.20
<b>AVG</b>		30.10	226.23	6.86	7.26	14.55

Sonde Summary  
 TT319 - 1 Foot  
 August 2005

Date m/d/y	Time hh:mm:ss	Temp °C	SpCond uS/cm	DO mg/L	pH s.u.	Turbidity NTU
8/13/2005	18:30:00	30.55	217	7.17	7.11	14.2
8/13/2005	18:44:59	30.57	218	7.17	7.12	14.2
8/13/2005	19:00:00	30.46	218	7.03	7.09	13.9
8/13/2005	19:15:00	30.41	219	6.93	7.10	14.1
8/13/2005	19:30:00	30.64	219	6.94	7.07	14.2
8/13/2005	19:44:59	30.64	220	7.22	7.16	13.8
8/13/2005	20:00:00	30.69	222	7.44	7.22	12.9
8/13/2005	20:15:00	30.77	222	7.55	7.26	16.7
8/13/2005	20:30:00	30.93	221	7.52	7.21	15.9
8/13/2005	20:44:59	30.70	222	7.26	7.18	16.1
8/13/2005	21:00:00	30.55	222	7.06	7.11	15.7
8/13/2005	21:15:00	31.11	222	8.07	7.38	12.3
8/13/2005	21:30:00	30.92	222	7.72	7.29	12.7
8/13/2005	21:44:59	30.83	223	7.60	7.27	12.5
8/13/2005	22:00:00	31.01	223	7.81	7.31	12.4
8/13/2005	22:15:00	30.90	223	7.59	7.26	12.6
8/13/2005	22:30:00	30.95	223	7.83	7.29	12.6
8/13/2005	22:44:59	30.78	223	7.48	7.22	12.9
8/13/2005	23:00:00	30.59	224	7.04	7.14	13.0
8/13/2005	23:15:00	30.67	224	7.20	7.17	13.1
8/13/2005	23:29:59	30.68	224	7.15	7.15	12.9
8/13/2005	23:44:59	30.61	224	6.99	7.11	13.3
8/14/2005	0:00:00	30.68	225	7.23	7.16	12.3
8/14/2005	0:15:00	30.74	225	7.44	7.22	11.9
8/14/2005	0:29:59	30.65	225	7.10	7.19	12.5
8/14/2005	0:45:00	30.65	225	7.05	7.15	12.9
8/14/2005	1:00:00	30.58	225	7.05	7.18	12.5
8/14/2005	1:15:00	30.66	226	7.43	7.25	11.9
8/14/2005	1:29:59	30.63	226	7.54	7.29	11.4
8/14/2005	1:45:00	30.60	226	7.32	7.18	12.0
8/14/2005	2:00:00	30.56	226	7.28	7.22	11.9
8/14/2005	2:15:00	30.54	226	7.31	7.21	11.7
8/14/2005	2:29:59	30.53	226	7.34	7.23	11.2
8/14/2005	2:45:00	30.51	226	7.28	7.21	11.8
8/14/2005	3:00:00	30.49	227	7.26	7.21	11.2
8/14/2005	3:15:00	30.48	227	7.28	7.23	11.7
8/14/2005	3:29:59	30.46	227	7.22	7.22	11.5
8/14/2005	3:45:00	30.44	227	7.14	7.21	11.7
8/14/2005	4:00:00	30.42	228	7.06	7.19	11.3
8/14/2005	4:15:00	30.40	229	6.97	7.18	11.6
8/14/2005	4:29:59	30.37	235	6.93	7.15	12.4
8/14/2005	4:45:00	30.35	241	6.99	7.13	11.1
8/14/2005	5:00:00	30.33	249	6.77	7.10	11.7
8/14/2005	5:15:00	30.28	254	6.48	7.07	14.6

Sonde Summary  
 TT319 - 1 Foot  
 August 2005

Date m/d/y	Time hh:mm:ss	Temp °C	SpCond uS/cm	DO mg/L	pH s.u.	Turbidity NTU
8/14/2005	5:29:59	30.28	265	6.80	7.14	14.8
8/14/2005	5:45:00	30.28	266	6.72	7.14	12.7
8/14/2005	6:00:00	30.27	266	6.71	7.09	13.1
8/14/2005	6:15:00	30.25	266	6.68	7.11	15.7
8/14/2005	6:29:59	30.23	267	6.64	7.11	17.3
8/14/2005	6:45:00	30.22	267	6.65	7.10	13.8
8/14/2005	7:00:00	30.23	267	6.62	7.10	14.4
8/14/2005	7:14:59	30.20	268	6.67	7.11	15.1
8/14/2005	7:29:59	30.19	269	6.65	7.11	15.5
8/14/2005	7:45:00	30.19	268	6.64	7.11	14.5
8/14/2005	8:00:00	30.16	269	6.66	7.10	14.1
8/14/2005	8:14:59	30.16	269	6.65	7.11	14.5
8/14/2005	8:29:59	30.15	269	6.65	7.09	13.5
8/14/2005	8:45:00	30.15	269	6.59	7.10	12.7
8/14/2005	9:00:00	30.15	269	6.62	7.08	13.2
8/14/2005	9:14:59	30.15	269	6.56	7.08	14.5
8/14/2005	9:29:59	30.14	269	6.59	7.09	13.2
8/14/2005	9:45:00	30.14	269	6.57	7.09	13.0
8/14/2005	10:00:00	30.13	269	6.57	7.08	12.6
8/14/2005	10:14:59	30.13	270	6.59	7.08	12.6
8/14/2005	10:29:59	30.19	269	6.69	7.11	12.8
8/14/2005	10:45:00	30.21	268	6.70	7.10	14.2
8/14/2005	11:00:00	30.11	268	6.57	7.09	15.9
8/14/2005	11:14:59	30.10	268	6.50	7.07	15.7
8/14/2005	11:29:59	30.10	268	6.49	7.08	14.6
8/14/2005	11:45:00	30.10	269	6.46	7.06	15.8
8/14/2005	12:00:00	30.14	268	6.52	7.07	13.7
8/14/2005	12:14:59	30.13	268	6.44	7.06	13.6
8/14/2005	12:30:00	30.10	268	6.42	7.07	14.4
8/14/2005	12:45:00	30.12	268	6.43	7.07	13.6
8/14/2005	13:00:00	30.12	268	6.43	7.08	13.4
8/14/2005	13:14:59	30.12	267	6.41	7.08	13.7
8/14/2005	13:30:00	30.18	268	6.52	7.07	12.9
8/14/2005	13:45:00	30.57	268	7.71	7.27	11.5
8/14/2005	14:00:00	30.35	267	6.98	7.12	12.6
8/14/2005	14:14:59	30.30	268	6.68	7.08	15.6
8/14/2005	14:30:00	30.35	267	6.75	7.09	14.3
8/14/2005	14:45:00	30.30	268	6.71	7.10	14.0
8/14/2005	15:00:00	30.43	267	6.86	7.12	13.7
8/14/2005	15:14:59	30.27	268	6.66	7.11	14.9
8/14/2005	15:30:00	30.44	269	7.03	7.13	13.2
8/14/2005	15:45:00	30.26	270	6.58	7.06	14.2
8/14/2005	16:00:00	30.24	270	6.60	7.07	13.3
8/14/2005	16:14:59	31.06	270	8.77	7.56	12.0
8/14/2005	16:30:00	30.59	271	7.13	7.16	16.7
8/14/2005	16:45:00	30.53	271	7.15	7.21	15.4



Sonde Summary  
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Date m/d/y	Time hh:mm:ss	Temp °C	SpCond uS/cm	DO mg/L	pH s.u.	Turbidity NTU
8/14/2005	17:00:00	30.76	271	7.41	7.20	13.5
8/14/2005	17:14:59	30.49	271	6.87	7.12	15.5
8/14/2005	17:30:00	30.46	271	6.84	7.08	16.1
8/14/2005	17:45:00	30.72	271	7.24	7.16	13.8
8/14/2005	18:00:00	30.54	271	6.96	7.10	15.6
8/14/2005	18:14:59	30.51	271	6.92	7.09	15.0
8/14/2005	18:30:00	30.62	272	7.15	7.15	14.2
8/14/2005	18:45:00	30.94	274	7.81	7.29	12.0
8/14/2005	18:59:59	30.65	272	7.24	7.16	13.3
8/14/2005	19:14:59	30.63	273	7.27	7.19	13.7
8/14/2005	19:30:00	31.68	271	8.60	7.51	11.5
8/14/2005	19:45:00	31.00	271	7.54	7.23	17.7
8/14/2005	19:59:59	30.85	271	7.53	7.26	15.0
8/14/2005	20:14:59	30.77	270	7.32	7.19	17.0
8/14/2005	20:30:00	30.78	271	7.27	7.14	15.5
8/14/2005	20:45:00	30.76	272	7.18	7.16	16.4
8/14/2005	20:59:59	30.75	271	7.18	7.17	15.5
8/14/2005	21:14:59	30.76	272	7.24	7.20	15.4
8/14/2005	21:30:00	30.79	272	7.29	7.22	13.9
8/14/2005	21:45:00	30.85	271	7.26	7.22	13.6
8/14/2005	21:59:59	30.88	270	7.29	7.19	13.6
8/14/2005	22:14:59	30.97	270	7.43	7.23	13.6
8/14/2005	22:30:00	31.00	272	7.58	7.31	12.8
8/14/2005	22:45:00	30.90	270	7.11	7.19	13.7
8/14/2005	22:59:59	30.82	272	7.09	7.20	13.0
8/14/2005	23:15:00	30.79	271	6.95	7.18	12.7
8/14/2005	23:30:00	30.90	271	7.24	7.23	12.5
8/14/2005	23:45:00	30.92	270	7.19	7.17	12.2
8/14/2005	23:59:59	30.92	270	7.29	7.19	12.8
8/15/2005	0:15:00	30.89	270	7.36	7.21	12.3
8/15/2005	0:30:00	30.83	271	7.35	7.22	12.2
8/15/2005	0:45:00	30.87	273	7.51	7.27	11.2
8/15/2005	0:59:59	30.78	271	7.11	7.18	12.1
8/15/2005	1:15:00	30.81	272	7.29	7.24	11.6
8/15/2005	1:30:00	30.75	272	6.79	7.18	13.2
8/15/2005	1:45:00	30.77	271	7.11	7.18	12.2
8/15/2005	1:59:59	30.71	272	6.95	7.15	13.4
8/15/2005	2:15:00	30.77	273	7.10	7.20	12.2
8/15/2005	2:30:00	30.74	273	6.97	7.18	12.0
8/15/2005	2:45:00	30.74	273	7.11	7.20	11.7
8/15/2005	2:59:59	30.72	271	6.98	7.18	11.9
8/15/2005	3:15:00	30.71	271	6.91	7.15	11.8
8/15/2005	3:30:00	30.71	272	6.82	7.16	11.1
8/15/2005	3:45:00	30.70	272	6.86	7.14	11.5
8/15/2005	3:59:59	30.71	273	6.94	7.14	11.8
8/15/2005	4:15:00	30.70	273	6.92	7.17	11.1

Sonde Summary  
 TT319 - 1 Foot  
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Date m/d/y	Time hh:mm:ss	Temp °C	SpCond uS/cm	DO mg/L	pH s.u.	Turbidity NTU
8/15/2005	4:30:00	30.69	273	6.81	7.16	11.4
8/15/2005	4:45:00	30.69	272	6.77	7.16	11.7
8/15/2005	4:59:59	30.69	273	6.76	7.16	13.1
8/15/2005	5:15:00	30.68	272	6.69	7.15	13.1
8/15/2005	5:30:00	30.66	273	6.57	7.15	11.4
8/15/2005	5:45:00	30.65	272	6.74	7.14	12.0
8/15/2005	5:59:59	30.62	273	6.80	7.14	11.7
8/15/2005	6:15:00	30.65	273	6.81	7.15	12.1
8/15/2005	6:30:00	30.64	273	6.75	7.14	12.4
8/15/2005	6:45:00	30.63	274	6.71	7.13	12.8
8/15/2005	6:59:59	30.62	275	6.67	7.13	12.3
8/15/2005	7:15:00	30.61	275	6.65	7.12	12.9
8/15/2005	7:30:00	30.61	273	6.67	7.13	12.6
8/15/2005	7:45:00	30.60	274	6.61	7.13	12.5
8/15/2005	7:59:59	30.59	275	6.64	7.13	12.2
8/15/2005	8:15:00	30.59	275	6.62	7.12	12.3
8/15/2005	8:30:00	30.60	275	6.63	7.11	12.6
8/15/2005	8:45:00	30.63	275	6.68	7.12	12.5
8/15/2005	8:59:59	30.61	274	6.60	7.13	11.9
8/15/2005	9:15:00	30.61	273	6.62	7.10	12.2
8/15/2005	9:30:00	30.61	272	6.65	7.11	12.5
8/15/2005	9:45:00	30.62	272	6.67	7.12	11.7
8/15/2005	9:59:59	30.64	273	6.47	7.14	11.9
<b>MAX</b>		31.68	275.00	8.77	7.56	17.70
<b>MIN</b>		30.10	217.00	6.41	7.06	11.10
<b>AVG</b>		30.56	258.13	7.00	7.16	13.25

Sonde Summary  
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Date m/d/y	Time hh:mm:ss	Temp °C	SpCond uS/cm	DO mg/L	pH s.u.	Turbidity NTU
8/13/2005	18:30:00	31.80	192	8.83	7.83	12.8
8/13/2005	18:44:59	31.83	192	8.73	7.59	12.5
8/13/2005	19:00:00	31.93	193	8.73	7.73	12.0
8/13/2005	19:15:00	31.87	193	8.79	7.77	11.3
8/13/2005	19:30:00	31.72	193	8.50	7.74	11.6
8/13/2005	19:44:59	32.02	193	8.98	7.70	11.4
8/13/2005	20:00:00	32.01	192	8.79	7.76	12.8
8/13/2005	20:15:00	31.06	193	7.76	7.46	15.8
8/13/2005	20:30:00	31.53	193	8.23	7.49	13.4
8/13/2005	20:44:59	31.51	193	8.50	7.56	12.0
8/13/2005	21:00:00	30.75	193	7.41	7.29	15.1
8/13/2005	21:15:00	31.25	193	8.37	7.54	11.1
8/13/2005	21:30:00	31.18	194	8.37	7.60	11.1
8/13/2005	21:44:59	31.14	194	8.15	7.43	11.1
8/13/2005	22:00:00	31.10	194	8.07	7.45	11.5
8/13/2005	22:15:00	31.02	194	8.02	7.41	11.4
8/13/2005	22:30:00	31.08	194	8.07	7.41	11.3
8/13/2005	22:44:59	31.07	194	8.30	7.39	11.1
8/13/2005	23:00:00	31.03	194	8.17	7.38	11.4
8/13/2005	23:15:00	30.99	194	7.98	7.41	11.2
8/13/2005	23:30:00	30.95	194	7.83	7.39	11.2
8/13/2005	23:44:59	30.91	194	7.89	7.35	11.3
8/14/2005	0:00:00	30.86	194	7.84	7.33	11.3
8/14/2005	0:15:00	30.83	194	7.74	7.30	11.3
8/14/2005	0:29:59	30.80	194	7.70	7.31	11.5
8/14/2005	0:44:59	30.75	194	7.57	7.28	11.4
8/14/2005	1:00:00	30.73	194	7.82	7.27	11.5
8/14/2005	1:15:00	30.71	194	7.69	7.25	11.3
8/14/2005	1:29:59	30.65	194	7.67	7.25	11.4
8/14/2005	1:44:59	30.63	194	7.54	7.20	11.4
8/14/2005	2:00:00	30.57	194	7.50	7.20	11.1
8/14/2005	2:15:00	30.52	194	7.45	7.20	11.0
8/14/2005	2:29:59	30.55	194	7.46	7.21	11.1
8/14/2005	2:44:59	30.52	194	7.42	7.20	11.2
8/14/2005	3:00:00	30.51	194	7.46	7.18	11.2
8/14/2005	3:15:00	30.51	194	7.50	7.18	11.2
8/14/2005	3:29:59	30.49	194	7.50	7.17	11.1
8/14/2005	3:44:59	30.47	194	7.37	7.18	11.1
8/14/2005	4:00:00	30.44	194	7.29	7.18	11.2
8/14/2005	4:15:00	30.42	194	7.13	7.16	11.5
8/14/2005	4:29:59	30.40	195	7.13	7.13	11.3
8/14/2005	4:44:59	30.37	194	7.20	7.11	11.2
8/14/2005	5:00:00	30.35	194	7.02	7.09	11.7
8/14/2005	5:15:00	30.31	195	6.85	7.08	14.2

Sonde Summary  
 TT319 - 5 feet  
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Date m/d/y	Time hh:mm:ss	Temp °C	SpCond uS/cm	DO mg/L	pH s.u.	Turbidity NTU
8/14/2005	5:29:59	30.30	196	7.10	7.11	13.8
8/14/2005	5:44:59	30.30	195	6.97	7.10	15.5
8/14/2005	6:00:00	30.29	195	6.93	7.08	13.1
8/14/2005	6:15:00	30.27	195	6.86	7.09	17.3
8/14/2005	6:29:59	30.26	195	6.88	7.07	16.0
8/14/2005	6:45:00	30.25	195	6.88	7.08	16.6
8/14/2005	7:00:00	30.25	195	6.80	7.09	14.7
8/14/2005	7:15:00	30.22	195	6.92	7.09	18.5
8/14/2005	7:29:59	30.22	195	6.98	7.07	14.7
8/14/2005	7:45:00	30.21	195	6.97	7.04	15.2
8/14/2005	8:00:00	30.18	194	7.08	7.02	14.0
8/14/2005	8:15:00	30.16	195	7.04	7.04	13.7
8/14/2005	8:29:59	30.16	195	7.05	7.04	13.1
8/14/2005	8:45:00	30.17	195	6.99	7.04	14.2
8/14/2005	9:00:00	30.18	194	7.10	7.01	13.3
8/14/2005	9:15:00	30.20	195	7.02	7.02	13.4
8/14/2005	9:29:59	30.20	195	7.13	7.02	10.9
8/14/2005	9:45:00	30.33	195	7.22	7.10	12.2
8/14/2005	10:00:00	30.36	195	7.20	7.11	12.3
8/14/2005	10:15:00	30.28	195	7.17	7.12	12.2
8/14/2005	10:29:59	30.47	195	7.14	7.16	12.4
8/14/2005	10:45:00	30.39	195	7.19	7.15	13.0
8/14/2005	11:00:00	30.40	195	7.33	7.17	12.9
8/14/2005	11:15:00	30.43	195	7.61	7.15	11.9
8/14/2005	11:29:59	30.72	195	7.89	7.22	11.9
8/14/2005	11:45:00	30.97	195	8.16	7.31	11.5
8/14/2005	12:00:00	30.70	195	7.93	7.27	11.9
8/14/2005	12:14:59	30.63	195	7.90	7.32	12.0
8/14/2005	12:29:59	30.73	195	8.09	7.32	12.5
8/14/2005	12:45:00	31.45	195	8.80	7.48	11.7
8/14/2005	13:00:00	31.09	195	9.41	7.68	11.1
8/14/2005	13:14:59	31.00	195	8.79	7.57	11.7
8/14/2005	13:29:59	31.91	195	9.64	7.81	10.9
8/14/2005	13:45:00	30.95	195	8.82	7.60	12.0
8/14/2005	14:00:00	31.11	195	9.05	7.53	12.2
8/14/2005	14:14:59	31.28	195	8.83	7.54	12.2
8/14/2005	14:29:59	31.16	195	8.80	7.57	12.0
8/14/2005	14:45:00	31.32	195	8.55	7.50	12.6
8/14/2005	15:00:00	32.06	196	9.61	7.73	11.8
8/14/2005	15:14:59	33.02	196	9.81	8.16	10.7
8/14/2005	15:29:59	32.84	196	9.92	8.16	10.4
8/14/2005	15:45:00	32.54	196	9.73	8.02	10.8
8/14/2005	16:00:00	31.74	195	9.76	7.98	11.7
8/14/2005	16:14:59	31.95	196	9.88	8.10	11.7
8/14/2005	16:29:59	30.96	195	8.36	7.49	12.8
8/14/2005	16:45:00	30.98	196	8.17	7.39	12.8

Sonde Summary  
 TT319 - 5 feet  
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Date m/d/y	Time hh:mm:ss	Temp °C	SpCond uS/cm	DO mg/L	pH s.u.	Turbidity NTU
8/14/2005	17:00:00	31.30	195	8.85	7.84	12.8
8/14/2005	17:14:59	32.18	196	9.15	7.80	13.1
8/14/2005	17:29:59	31.97	195	9.30	7.68	12.8
8/14/2005	17:45:00	32.19	196	9.13	7.73	12.7
8/14/2005	18:00:00	31.97	196	8.76	7.68	12.6
8/14/2005	18:14:59	32.72	196	9.57	7.87	12.9
8/14/2005	18:29:59	32.49	196	9.43	7.83	12.2
8/14/2005	18:45:00	32.54	196	9.36	7.84	13.6
8/14/2005	19:00:00	31.85	197	8.90	7.73	11.8
8/14/2005	19:14:59	32.08	198	9.33	7.87	11.3
8/14/2005	19:30:00	32.38	198	9.66	8.17	11.2
8/14/2005	19:45:00	31.50	197	8.33	7.48	13.4
8/14/2005	20:00:00	31.59	198	8.52	7.60	12.3
8/14/2005	20:14:59	30.99	198	7.64	7.32	16.1
8/14/2005	20:30:00	31.17	197	7.83	7.29	14.9
8/14/2005	20:45:00	31.02	198	7.61	7.24	16.0
8/14/2005	21:00:00	30.79	198	7.33	7.21	16.4
8/14/2005	21:14:59	30.91	198	7.54	7.24	15.4
8/14/2005	21:30:00	30.91	198	7.51	7.23	14.5
8/14/2005	21:45:00	31.17	199	7.90	7.37	12.7
8/14/2005	22:00:00	31.10	199	7.61	7.34	13.9
8/14/2005	22:14:59	31.12	199	7.82	7.35	13.5
8/14/2005	22:30:00	31.15	199	7.95	7.41	13.3
8/14/2005	22:45:00	31.13	198	8.09	7.42	13.6
8/14/2005	22:59:59	31.11	199	7.85	7.39	14.1
8/14/2005	23:14:59	31.12	199	7.92	7.43	14.3
8/14/2005	23:30:00	31.10	199	7.94	7.40	15.9
8/14/2005	23:45:00	31.08	199	7.92	7.37	16.3
8/14/2005	23:59:59	31.02	200	7.87	7.34	15.5
8/15/2005	0:14:59	30.95	200	7.77	7.32	12.6
8/15/2005	0:30:00	30.90	200	7.53	7.26	13.0
8/15/2005	0:45:00	30.89	201	7.51	7.26	12.5
8/15/2005	0:59:59	30.83	200	7.23	7.24	13.5
8/15/2005	1:14:59	30.83	201	7.27	7.23	13.3
8/15/2005	1:30:00	30.82	201	7.22	7.23	14.2
8/15/2005	1:45:00	30.79	200	7.26	7.18	13.3
8/15/2005	1:59:59	30.75	201	7.18	7.17	13.9
8/15/2005	2:14:59	30.80	201	7.22	7.19	12.8
8/15/2005	2:30:00	30.78	201	7.05	7.21	12.9
8/15/2005	2:45:00	30.79	201	7.21	7.19	12.7
8/15/2005	2:59:59	30.76	201	7.08	7.17	13.1
8/15/2005	3:14:59	30.73	201	7.00	7.16	13.6
8/15/2005	3:30:00	30.73	200	6.91	7.16	14.3
8/15/2005	3:45:00	30.73	201	6.83	7.15	14.8
8/15/2005	3:59:59	30.72	202	7.00	7.15	12.5
8/15/2005	4:14:59	30.73	202	6.98	7.16	13.1

Sonde Summary  
 TT319 - 5 feet  
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Date m/d/y	Time hh:mm:ss	Temp °C	SpCond uS/cm	DO mg/L	pH s.u.	Turbidity NTU
8/15/2005	4:30:00	30.71	202	6.95	7.15	13.6
8/15/2005	4:45:00	30.71	202	6.87	7.15	14.8
8/15/2005	4:59:59	30.71	202	6.83	7.14	18.9
8/15/2005	5:14:59	30.68	201	6.72	7.14	23.0
8/15/2005	5:30:00	30.67	201	6.79	7.14	20.9
8/15/2005	5:45:00	30.68	201	6.62	7.13	23.6
8/15/2005	5:59:59	30.63	202	6.84	7.12	14.5
8/15/2005	6:14:59	30.66	203	6.85	7.13	14.7
8/15/2005	6:30:00	30.66	203	6.80	7.13	14.8
8/15/2005	6:45:00	30.65	203	6.73	7.12	15.1
8/15/2005	6:59:59	30.64	203	6.67	7.11	16.2
8/15/2005	7:15:00	30.64	202	6.65	7.11	15.7
8/15/2005	7:30:00	30.63	203	6.65	7.11	16.7
8/15/2005	7:45:00	30.62	203	6.67	7.11	20.5
8/15/2005	7:59:59	30.62	203	6.69	7.11	21.8
8/15/2005	8:15:00	30.62	203	6.60	7.11	22.5
8/15/2005	8:30:00	30.64	203	6.71	7.10	12.9
8/15/2005	8:45:00	30.68	203	6.89	7.11	12.3
8/15/2005	8:59:59	30.68	203	6.77	7.14	12.6
8/15/2005	9:15:00	30.67	203	6.76	7.10	13.9
8/15/2005	9:30:00	30.77	203	7.01	7.13	12.5
8/15/2005	9:45:00	30.79	205	7.13	7.16	12.5
8/15/2005	9:59:59	30.79	205	7.06	7.18	12.6
<b>MAX</b>		33.02	205.00	9.92	8.17	23.60
<b>MIN</b>		30.16	192.00	6.60	7.01	10.40
<b>AVG</b>		30.96	196.89	7.75	7.34	13.28

Sonde Summary  
 TT319 - Lower Layer  
 August 2005

Date m/d/y	Time hh:mm:ss	Temp °C	SpCond uS/cm	DO mg/L	pH s.u.	Turbidity NTU
8/13/2005	18:15:00	31.74	295	8.69	8.00	11.2
8/13/2005	18:30:00	30.09	307	6.42	7.01	17.3
8/13/2005	18:44:59	30.07	306	6.26	7.01	17.7
8/13/2005	19:00:00	30.12	305	6.40	7.02	14.8
8/13/2005	19:15:00	30.07	305	6.39	7.03	15.0
8/13/2005	19:29:59	30.09	303	6.29	7.03	16.2
8/13/2005	19:44:59	30.07	303	6.19	6.99	17.7
8/13/2005	20:00:00	30.23	303	6.38	7.00	15.1
8/13/2005	20:15:00	30.45	303	6.85	7.09	21.1
8/13/2005	20:29:59	30.37	304	6.76	7.08	25.6
8/13/2005	20:45:00	30.38	304	6.74	7.06	19.7
8/13/2005	21:00:00	30.33	304	6.68	7.06	16.6
8/13/2005	21:14:59	30.32	305	6.52	7.06	20.2
8/13/2005	21:30:00	30.50	306	6.82	7.09	14.2
8/13/2005	21:45:00	30.26	307	6.41	7.05	14.5
8/13/2005	21:59:59	30.26	308	6.35	7.05	13.3
8/13/2005	22:14:59	30.33	309	6.44	7.07	14.9
8/13/2005	22:30:00	30.23	309	6.23	7.03	14.1
8/13/2005	22:45:00	30.28	310	6.41	7.05	13.7
8/13/2005	22:59:59	30.23	311	6.25	7.03	13.7
8/13/2005	23:15:00	30.24	311	6.37	7.02	13.7
8/13/2005	23:30:00	30.21	312	6.33	7.02	14.8
8/13/2005	23:44:59	30.26	312	6.39	7.03	13.5
8/14/2005	0:00:00	30.22	313	6.26	7.02	13.4
8/14/2005	0:15:00	30.26	313	6.24	7.03	13.0
8/14/2005	0:29:59	30.22	313	6.20	6.99	13.2
8/14/2005	0:44:59	30.21	314	6.16	7.01	13.3
8/14/2005	1:00:00	30.21	314	6.21	7.00	14.2
8/14/2005	1:15:00	30.24	315	6.25	7.00	13.1
8/14/2005	1:29:59	30.29	315	6.27	6.99	13.0
8/14/2005	1:45:00	30.23	315	6.22	7.00	13.1
8/14/2005	2:00:00	30.24	316	6.20	7.00	12.7
8/14/2005	2:14:59	30.37	316	6.89	7.15	11.4
8/14/2005	2:30:00	30.21	317	6.01	6.98	12.9
8/14/2005	2:45:00	30.27	317	6.39	6.95	11.7
8/14/2005	2:59:59	30.29	317	6.72	6.97	11.2
8/14/2005	3:15:00	30.24	317	6.32	6.94	12.0
8/14/2005	3:30:00	30.24	318	6.30	6.94	11.9
8/14/2005	3:45:00	30.27	318	6.74	6.98	11.1
8/14/2005	3:59:59	30.19	318	5.94	6.89	12.6
8/14/2005	4:14:59	30.19	319	5.86	6.88	12.1
8/14/2005	4:29:59	30.17	319	5.97	6.87	12.6
8/14/2005	4:45:00	30.18	319	6.22	6.90	13.9
8/14/2005	5:00:00	30.18	319	6.18	6.91	14.2

Sonde Summary  
 TT319 - Lower Layer  
 August 2005

Date m/d/y	Time hh:mm:ss	Temp °C	SpCond uS/cm	DO mg/L	pH s.u.	Turbidity NTU
8/14/2005	5:14:59	30.19	319	6.42	6.94	18.4
8/14/2005	5:30:00	30.18	320	6.51	7.00	15.3
8/14/2005	5:45:00	30.18	320	6.52	6.98	23.1
8/14/2005	5:59:59	30.17	320	6.45	6.96	13.7
8/14/2005	6:15:00	30.14	324	6.49	6.95	16.6
8/14/2005	6:30:00	30.13	321	6.48	6.93	18.4
8/14/2005	6:44:59	30.12	321	6.46	6.95	16.5
8/14/2005	6:59:59	30.12	321	6.38	6.93	17.2
8/14/2005	7:15:00	30.10	321	6.45	6.95	14.7
8/14/2005	7:30:00	30.08	321	6.44	6.94	15.4
8/14/2005	7:44:59	30.07	321	6.45	6.94	14.4
8/14/2005	8:00:00	30.05	321	6.47	6.94	14.7
8/14/2005	8:15:00	30.05	321	6.44	6.95	15.5
8/14/2005	8:29:59	30.05	321	6.32	6.95	13.7
8/14/2005	8:45:00	30.04	321	6.32	6.94	14.7
8/14/2005	9:00:00	30.04	321	6.38	6.94	13.4
8/14/2005	9:14:59	30.03	321	6.35	6.93	13.5
8/14/2005	9:29:59	30.01	321	6.35	6.92	16.2
8/14/2005	9:45:00	30.01	321	6.32	6.92	15.6
8/14/2005	10:00:00	30.02	321	6.27	6.93	13.3
8/14/2005	10:14:59	30.00	321	6.28	6.92	14.2
8/14/2005	10:30:00	30.04	321	6.30	6.94	13.3
8/14/2005	10:45:00	30.03	321	6.37	6.91	14.2
8/14/2005	10:59:59	30.00	321	6.31	6.92	16.0
8/14/2005	11:15:00	29.99	321	6.24	6.93	15.6
8/14/2005	11:30:00	29.99	321	6.21	6.92	16.3
8/14/2005	11:44:59	29.99	321	6.20	6.91	18.1
8/14/2005	12:00:00	29.99	321	6.07	6.92	16.3
8/14/2005	12:15:00	29.99	321	5.91	6.93	17.3
8/14/2005	12:30:00	29.96	321	6.06	6.91	17.0
8/14/2005	12:44:59	29.97	321	5.99	6.91	19.7
8/14/2005	13:00:00	29.96	321	5.76	6.92	15.8
8/14/2005	13:15:00	29.95	321	5.70	6.91	16.4
8/14/2005	13:29:59	29.96	321	6.05	6.87	17.4
8/14/2005	13:45:00	29.96	320	5.92	6.90	16.0
8/14/2005	14:00:00	30.03	320	6.09	6.90	13.5
8/14/2005	14:14:59	30.17	320	6.42	6.94	16.9
8/14/2005	14:30:00	30.04	320	6.20	6.92	17.5
8/14/2005	14:45:00	30.08	320	6.29	6.93	14.7
8/14/2005	15:00:00	30.01	320	6.22	6.92	15.2
8/14/2005	15:14:59	29.99	320	6.04	6.91	16.8
8/14/2005	15:30:00	30.07	319	6.15	6.91	16.1
8/14/2005	15:45:00	30.08	319	6.07	6.89	16.2
8/14/2005	15:59:59	30.05	319	6.12	6.89	16.4
8/14/2005	16:15:00	30.06	319	5.92	6.88	17.2
8/14/2005	16:30:00	30.30	320	6.55	6.97	17.7



Sonde Summary  
 TT319 - Lower Layer  
 August 2005

Date m/d/y	Time hh:mm:ss	Temp °C	SpCond uS/cm	DO mg/L	pH s.u.	Turbidity NTU
8/14/2005	16:44:59	30.35	319	6.65	6.97	16.3
8/14/2005	17:00:00	30.36	320	6.69	6.99	16.2
8/14/2005	17:15:00	30.16	320	6.06	6.92	24.9
8/14/2005	17:30:00	30.20	319	6.38	6.92	18.6
8/14/2005	17:44:59	30.14	320	6.23	6.91	24.1
8/14/2005	18:00:00	30.19	319	6.25	6.91	19.5
8/14/2005	18:15:00	30.16	319	6.14	6.90	19.2
8/14/2005	18:29:59	30.18	319	6.19	6.89	19.7
8/14/2005	18:45:00	30.24	319	6.28	6.93	17.5
8/14/2005	19:00:00	30.22	319	6.14	6.87	18.0
8/14/2005	19:14:59	30.22	319	6.19	6.92	16.9
8/14/2005	19:30:00	30.35	320	6.51	6.98	19.1
8/14/2005	19:45:00	30.60	320	7.02	7.06	15.6
8/14/2005	20:00:00	30.54	320	6.83	7.02	17.0
8/14/2005	20:14:59	30.50	320	6.72	6.99	18.6
8/14/2005	20:30:00	30.51	320	6.72	6.97	16.6
8/14/2005	20:45:00	30.55	320	6.70	7.01	18.6
8/14/2005	20:59:59	30.62	320	6.90	7.03	16.0
8/14/2005	21:15:00	30.61	320	6.90	7.03	15.5
8/14/2005	21:30:00	30.62	320	6.94	7.04	14.5
8/14/2005	21:44:59	30.68	320	6.87	7.03	14.7
8/14/2005	22:00:00	30.58	320	6.75	7.00	15.0
8/14/2005	22:15:00	30.55	319	6.56	7.00	15.1
8/14/2005	22:30:00	30.55	319	6.40	7.02	14.6
8/14/2005	22:44:59	30.54	319	6.44	7.00	14.5
8/14/2005	23:00:00	30.54	319	6.60	7.00	13.3
8/14/2005	23:15:00	30.54	319	6.40	6.99	13.4
8/14/2005	23:29:59	30.53	319	6.38	6.99	13.4
8/14/2005	23:45:00	30.53	319	6.35	6.98	13.6
8/15/2005	0:00:00	30.56	318	6.39	7.00	12.6
8/15/2005	0:14:59	30.56	318	6.61	6.97	13.3
8/15/2005	0:30:00	30.60	319	6.66	6.98	12.6
8/15/2005	0:44:59	30.71	320	7.01	7.08	11.8
8/15/2005	1:00:00	30.64	319	6.63	7.02	12.6
8/15/2005	1:15:00	30.67	319	6.68	7.05	14.5
8/15/2005	1:29:59	30.60	318	6.48	7.00	14.4
8/15/2005	1:45:00	30.62	318	6.63	6.99	13.1
8/15/2005	2:00:00	30.59	319	6.65	6.99	13.5
8/15/2005	2:15:00	30.62	319	6.67	7.03	12.6
8/15/2005	2:29:59	30.62	319	6.66	7.00	12.6
8/15/2005	2:45:00	30.61	319	6.65	7.00	12.3
8/15/2005	3:00:00	30.58	319	6.60	6.96	11.9
8/15/2005	3:14:59	30.58	319	6.57	6.96	12.5
8/15/2005	3:30:00	30.58	319	6.40	6.97	12.0
8/15/2005	3:45:00	30.58	319	6.48	6.97	12.0
8/15/2005	3:59:59	30.60	320	6.56	6.99	13.0

Sonde Summary  
 TT319 - Lower Layer  
 August 2005

Date m/d/y	Time hh:mm:ss	Temp °C	SpCond uS/cm	DO mg/L	pH s.u.	Turbidity NTU
8/15/2005	4:15:00	30.59	321	6.64	7.00	11.9
8/15/2005	4:30:00	30.56	320	6.57	6.98	12.0
8/15/2005	4:45:00	30.57	320	6.50	6.99	12.6
8/15/2005	4:59:59	30.58	321	6.39	7.00	13.1
8/15/2005	5:15:00	30.57	320	6.33	6.98	20.2
8/15/2005	5:29:59	30.55	321	6.22	6.98	12.5
8/15/2005	5:45:00	30.52	321	6.20	6.96	13.4
8/15/2005	6:00:00	30.51	321	6.52	6.98	11.5
8/15/2005	6:14:59	30.54	322	6.49	6.98	12.6
8/15/2005	6:30:00	30.53	323	6.50	6.97	12.4
8/15/2005	6:45:00	30.52	323	6.40	6.97	13.0
8/15/2005	6:59:59	30.51	323	6.37	6.96	12.3
8/15/2005	7:15:00	30.50	323	6.32	6.95	13.0
8/15/2005	7:30:00	30.50	323	6.30	6.95	12.9
8/15/2005	7:44:59	30.48	324	6.12	6.94	16.4
8/15/2005	8:00:00	30.48	324	6.28	6.95	12.1
8/15/2005	8:15:00	30.47	324	6.27	6.94	13.7
8/15/2005	8:30:00	30.47	324	6.36	6.94	14.3
8/15/2005	8:44:59	30.49	325	6.37	6.95	12.4
8/15/2005	9:00:00	30.49	325	6.25	6.94	12.6
8/15/2005	9:15:00	30.49	325	6.34	6.93	11.6
8/15/2005	9:29:59	30.49	326	6.33	6.93	13.0
8/15/2005	9:45:00	30.50	326	6.27	6.96	12.9
8/15/2005	10:00:00	30.50	327	6.31	6.94	12.5
<b>MAX</b>		31.74	327.00	8.69	8.00	25.60
<b>MIN</b>		29.95	295.00	5.70	6.87	11.10
<b>AVG</b>		30.31	317.94	6.40	6.98	14.96

Sonde Summary  
 TT314 - 1 Foot  
 August 2005

Date m/d/y	Time hh:mm:ss	Temp °C	SpCond uS/cm	DO* mg/L	pH	Turbid+ NTU
8/15/2005	16:32:00	33.30	240	8.75	8.12	11.4
8/15/2005	16:47:00	33.45	238	9.48	8.30	11.5
8/15/2005	17:01:59	33.52	239	8.71	8.18	11.7
8/15/2005	17:16:59	31.87	239	7.45	7.51	12.8
8/15/2005	17:32:00	32.77	238	8.75	8.06	12.2
8/15/2005	17:47:00	32.63	238	8.95	8.14	12.2
8/15/2005	18:01:59	33.09	239	9.58	8.41	11.8
8/15/2005	18:17:00	32.75	237	8.98	8.12	12.5
8/15/2005	18:32:00	33.13	238	9.99	8.37	12.1
8/15/2005	18:46:59	32.71	238	8.89	8.08	12.2
8/15/2005	19:02:00	32.88	238	9.81	8.57	11.7
8/15/2005	19:17:00	33.29	240	9.70	8.57	12.3
8/15/2005	19:31:59	33.04	239	9.51	8.34	11.8
8/15/2005	19:46:59	32.99	239	9.49	8.43	12.1
8/15/2005	20:02:00	32.40	238	9.05	8.25	11.7
8/15/2005	20:17:00	32.35	238	8.67	7.87	11.5
8/15/2005	20:31:59	32.64	239	9.02	8.11	11.2
8/15/2005	20:47:00	32.22	239	8.78	7.98	11.3
8/15/2005	21:02:00	32.08	238	8.61	7.86	11.6
8/15/2005	21:16:59	31.71	238	7.92	7.61	12.3
8/15/2005	21:32:00	32.42	239	8.87	8.11	11.3
8/15/2005	21:47:00	31.97	238	8.16	7.66	12.2
8/15/2005	22:01:59	32.06	238	8.29	7.71	12.0
8/15/2005	22:16:59	32.13	238	8.30	7.75	11.6
8/15/2005	22:32:00	32.15	238	8.50	7.87	11.1
8/15/2005	22:47:00	32.23	239	8.53	7.96	24.9
8/15/2005	23:01:59	32.19	239	8.54	7.89	16.0
8/15/2005	23:17:00	32.17	239	8.56	7.86	11.1
8/15/2005	23:32:00	32.13	239	8.35	7.81	12.2
8/15/2005	23:46:59	32.17	239	8.53	7.91	10.8
8/16/2005	0:02:00	31.96	238	7.97	7.68	12.2
8/16/2005	0:17:00	31.88	238	7.70	7.58	11.7
8/16/2005	0:31:59	32.09	239	8.47	7.96	10.4
8/16/2005	0:46:59	32.21	240	8.64	8.10	10.2
8/16/2005	1:02:00	32.23	240	8.68	8.16	10.0
8/16/2005	1:17:00	32.17	240	8.55	8.13	10.1
8/16/2005	1:31:59	32.11	239	8.43	8.04	10.3
8/16/2005	1:47:00	32.06	239	8.39	7.98	10.3
8/16/2005	2:02:00	31.99	239	8.32	7.96	10.3
8/16/2005	2:16:59	31.88	239	8.15	7.80	10.5
8/16/2005	2:32:00	31.81	239	8.21	7.79	10.6
8/16/2005	2:47:00	31.75	240	8.23	7.77	10.3
8/16/2005	3:01:59	31.78	240	8.37	7.92	10.1
8/16/2005	3:17:00	31.73	240	8.32	7.88	10.2

\* End calibration for data sonde was outside of probe tolerance. Dissolved oxygen values may be underestimated. See Section 3.1.5 for discussion.

Sonde Summary  
 TT314 - 1 Foot  
 August 2005

Date m/d/y	Time hh:mm:ss	Temp °C	SpCond uS/cm	DO* mg/L	pH	Turbid+ NTU
8/16/2005	3:32:00	31.80	240	8.25	7.84	10.6
8/16/2005	3:47:00	31.72	240	8.23	7.81	10.1
8/16/2005	4:01:59	31.68	240	8.14	7.79	10.3
8/16/2005	4:17:00	31.61	240	7.92	7.68	10.6
8/16/2005	4:32:00	31.57	240	7.82	7.65	10.6
8/16/2005	4:46:59	31.52	241	7.67	7.62	10.1
8/16/2005	5:02:00	31.47	241	7.51	7.56	10.1
8/16/2005	5:17:00	31.44	240	7.51	7.56	10.3
8/16/2005	5:31:59	31.41	240	7.46	7.55	10.5
8/16/2005	5:46:59	31.41	239	7.47	7.57	10.4
8/16/2005	6:02:00	31.38	239	7.46	7.55	10.3
8/16/2005	6:17:00	31.35	239	7.40	7.54	10.6
8/16/2005	6:31:59	31.34	239	7.42	7.52	10.6
8/16/2005	6:47:00	31.34	239	7.29	7.49	10.4
8/16/2005	7:02:00	31.32	239	7.29	7.49	10.7
8/16/2005	7:16:59	31.31	239	7.31	7.49	10.6
8/16/2005	7:32:00	31.27	239	7.40	7.50	11.0
8/16/2005	7:47:00	31.22	239	7.33	7.46	11.6
8/16/2005	8:01:59	31.20	241	7.26	7.47	10.3
8/16/2005	8:16:59	31.19	241	7.19	7.46	10.3
8/16/2005	8:32:00	31.19	241	7.14	7.45	10.0
8/16/2005	8:47:00	31.17	241	6.97	7.40	10.1
8/16/2005	9:01:59	31.19	241	7.13	7.43	10.3
8/16/2005	9:17:00	31.20	240	7.10	7.41	10.3
8/16/2005	9:32:00	31.29	241	7.37	7.51	10.1
8/16/2005	9:46:59	31.26	241	7.38	7.51	9.7
8/16/2005	10:02:00	31.27	240	7.48	7.51	10.4
8/16/2005	10:17:00	31.39	240	7.70	7.59	11.0
8/16/2005	10:31:59	31.48	240	8.01	7.70	10.7
8/16/2005	10:46:59	31.57	240	8.27	7.77	11.4
8/16/2005	11:02:00	31.64	240	8.50	7.87	10.9
8/16/2005	11:17:00	31.74	240	8.81	8.05	10.2
8/16/2005	11:31:59	31.89	240	9.12	8.21	8.6
8/16/2005	11:47:00	31.84	240	9.03	8.18	9.2
8/16/2005	12:02:00	31.67	241	8.90	8.07	10.6
8/16/2005	12:16:59	32.60	242	8.85	8.16	9.7
8/16/2005	12:32:00	32.62	243	9.00	8.23	10.3
8/16/2005	12:47:00	32.28	242	9.09	8.17	10.4
8/16/2005	13:01:59	31.76	242	8.80	7.96	11.7
8/16/2005	13:16:59	31.81	242	8.77	7.95	10.8
8/16/2005	13:32:00	31.67	243	8.27	7.80	11.7
8/16/2005	13:47:00	31.83	242	9.14	8.16	10.4
8/16/2005	14:01:59	32.37	241	9.52	8.49	10.3
8/16/2005	14:17:00	32.14	241	9.72	8.46	10.2
8/16/2005	14:32:00	32.51	242	9.90	8.66	10.0
8/16/2005	14:46:59	32.68	242	10.06	8.60	9.8

\* End calibration for data sonde was outside of probe tolerance. Dissolved oxygen values may be underestimated. See Section 3.1.5 for discussion.  
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Sonde Summary  
TT314 - 1 Foot  
August 2005

Date m/d/y	Time hh:mm:ss	Temp °C	SpCond uS/cm	DO* mg/L	pH	Turbid+ NTU
8/16/2005	15:02:00	32.17	242	9.76	8.47	10.2
8/16/2005	15:17:00	32.25	242	9.93	8.52	10.0
8/16/2005	15:31:59	32.46	243	9.67	8.44	9.8
8/16/2005	15:46:59	32.16	243	9.23	8.21	10.1
8/16/2005	16:02:00	33.50	243	9.72	8.59	9.4
8/16/2005	16:17:00	33.53	245	9.51	8.49	9.5
8/16/2005	16:31:59	33.93	246	9.28	8.59	9.5
8/16/2005	16:47:00	32.57	244	9.13	8.15	10.3
8/16/2005	17:02:00	33.20	244	9.30	8.48	9.8
8/16/2005	17:16:59	33.07	244	9.30	8.35	9.9
8/16/2005	17:32:00	33.21	244	9.25	8.34	9.7
8/16/2005	17:47:00	33.25	245	9.19	8.29	9.5
8/16/2005	18:01:59	32.99	245	9.08	8.27	10.1
8/16/2005	18:17:00	33.27	245	9.06	8.37	10.3
8/16/2005	18:32:00	32.95	245	8.97	8.16	10.9
8/16/2005	18:47:00	32.38	245	8.28	7.76	10.3
8/16/2005	19:01:59	32.54	244	8.46	7.90	10.8
8/16/2005	19:17:00	32.15	245	7.79	7.58	10.9
8/16/2005	19:32:00	32.35	245	8.34	7.87	10.2
8/16/2005	19:46:59	32.10	245	8.10	7.71	10.3
8/16/2005	20:02:00	32.66	245	8.40	7.97	9.7
8/16/2005	20:17:00	32.87	246	8.65	8.06	9.4
8/16/2005	20:31:59	32.95	247	8.90	8.27	9.1
8/16/2005	20:47:00	32.88	247	8.85	8.26	9.2
8/16/2005	21:02:00	32.77	247	8.60	8.16	9.7
8/16/2005	21:17:00	32.71	246	8.64	8.11	9.5
8/16/2005	21:31:59	32.69	246	8.61	8.06	9.5
8/16/2005	21:47:00	32.66	247	8.46	8.04	9.2
8/16/2005	22:02:00	32.28	246	7.95	7.74	10.0
8/16/2005	22:16:59	32.27	246	7.78	7.62	10.3
8/16/2005	22:32:00	32.16	245	7.86	7.71	10.8
8/16/2005	22:47:00	32.18	244	7.74	7.65	10.6
8/16/2005	23:01:59	32.29	246	7.89	7.69	10.0
8/16/2005	23:17:00	32.30	248	8.15	7.87	9.0
8/16/2005	23:32:00	32.32	247	8.08	7.84	9.2
8/16/2005	23:47:00	32.31	248	8.06	7.85	9.2
8/17/2005	0:01:59	32.29	249	8.02	7.84	9.0
8/17/2005	0:17:00	32.29	249	7.98	7.81	9.1
8/17/2005	0:32:00	32.32	246	8.05	7.80	10.2
8/17/2005	0:46:59	32.33	246	8.06	7.81	10.7
8/17/2005	1:02:00	32.28	248	7.93	7.76	10.6
8/17/2005	1:17:00	32.25	249	7.87	7.75	10.1
8/17/2005	1:31:59	32.15	249	7.65	7.66	9.5
8/17/2005	1:47:00	32.09	249	7.57	7.64	9.4
8/17/2005	2:02:00	32.08	249	7.53	7.62	9.4
8/17/2005	2:17:00	32.09	250	7.57	7.66	9.3

\* End calibration for data sonde was outside of probe tolerance. Dissolved oxygen values may be underestimated. See Section 3.1.5 for discussion.  
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Sonde Summary  
 TT314 - 1 Foot  
 August 2005

Date m/d/y	Time hh:mm:ss	Temp °C	SpCond uS/cm	DO* mg/L	pH	Turbid+ NTU
8/17/2005	2:31:59	32.08	250	7.50	7.62	9.4
8/17/2005	2:47:00	32.04	250	7.40	7.59	9.4
8/17/2005	3:02:00	32.03	251	7.30	7.59	9.4
8/17/2005	3:16:59	32.02	251	7.26	7.56	9.5
8/17/2005	3:32:00	32.00	251	7.31	7.59	9.4
8/17/2005	3:47:00	31.99	251	7.18	7.56	9.5
8/17/2005	4:01:59	31.95	250	7.21	7.57	9.4
8/17/2005	4:17:00	31.91	251	7.25	7.57	9.5
8/17/2005	4:32:00	31.90	251	7.18	7.53	9.4
8/17/2005	4:47:00	31.88	251	7.12	7.50	9.5
8/17/2005	5:01:59	31.82	252	7.14	7.51	9.3
8/17/2005	5:17:00	31.80	251	7.10	7.48	9.5
8/17/2005	5:32:00	31.73	249	6.95	7.44	10.1
8/17/2005	5:46:59	31.72	250	6.91	7.44	10.3
8/17/2005	6:02:00	31.74	251	6.97	7.45	9.8
8/17/2005	6:17:00	31.70	252	6.98	7.46	9.7
8/17/2005	6:31:59	31.68	254	6.98	7.42	9.5
8/17/2005	6:47:00	31.66	253	7.00	7.43	9.3
8/17/2005	7:02:00	31.65	253	6.96	7.43	9.4
8/17/2005	7:16:59	31.62	254	6.88	7.42	9.4
8/17/2005	7:31:59	31.63	254	6.95	7.44	9.3
8/17/2005	7:47:00	31.58	251	6.79	7.39	10.1
8/17/2005	8:02:00	31.58	251	6.99	7.40	9.7
8/17/2005	8:16:59	31.59	252	6.93	7.41	10.1
8/17/2005	8:32:00	31.59	253	6.87	7.41	9.8
8/17/2005	8:47:00	31.54	253	6.69	7.36	10.0
8/17/2005	9:01:59	31.62	252	6.75	7.39	11.0
8/17/2005	9:17:00	31.50	252	6.45	7.30	11.5
<b>MAX</b>		33.93	254.00	10.06	8.66	24.90
<b>MIN</b>		31.17	237.00	6.45	7.30	8.60
<b>AVG</b>		32.11	243.43	8.18	7.85	10.50

\* End calibration for data sonde was outside of probe tolerance. Dissolved oxygen values may be underestimated. See Section 3.1.5 for discussion.

Sonde Summary  
 TT314 - 5 feet  
 August 2005

Date m/d/y	Time hh:mm:ss	Temp °C	SpCond uS/cm	DO mg/L	pH s.u.
8/15/2005	16:17:00	30.87	185	6.98	7.43
8/15/2005	16:32:00	31.80	185	7.11	7.40
8/15/2005	16:47:00	31.22	186	7.11	7.40
8/15/2005	17:02:00	31.34	186	6.74	7.37
8/15/2005	17:17:00	31.14	186	6.30	7.30
8/15/2005	17:32:00	31.05	186	6.16	7.28
8/15/2005	17:47:00	31.06	186	6.48	7.33
8/15/2005	18:02:00	31.24	186	6.41	7.33
8/15/2005	18:17:00	31.14	186	6.42	7.33
8/15/2005	18:32:00	31.08	186	6.22	7.30
8/15/2005	18:47:00	31.02	186	6.04	7.26
8/15/2005	19:02:00	31.02	187	5.95	7.26
8/15/2005	19:17:00	31.10	187	6.10	7.28
8/15/2005	19:32:00	31.08	187	6.16	7.28
8/15/2005	19:47:00	31.13	187	6.37	7.31
8/15/2005	20:02:00	31.04	187	6.00	7.26
8/15/2005	20:17:00	31.17	187	6.36	7.30
8/15/2005	20:32:00	31.10	187	6.18	7.27
8/15/2005	20:47:00	31.04	186	6.02	7.25
8/15/2005	21:02:00	31.05	186	6.15	7.27
8/15/2005	21:17:00	31.01	186	6.15	7.26
8/15/2005	21:32:00	30.99	186	6.01	7.25
8/15/2005	21:47:00	31.00	186	6.03	7.25
8/15/2005	22:02:00	31.05	186	6.16	7.26
8/15/2005	22:17:00	31.05	186	6.26	7.27
8/15/2005	22:32:00	31.09	186	6.26	7.28
8/15/2005	22:47:00	31.22	186	6.54	7.32
8/15/2005	23:02:00	31.15	186	6.41	7.30
8/15/2005	23:17:00	31.25	186	6.62	7.34
8/15/2005	23:32:00	31.28	186	6.70	7.35
8/15/2005	23:47:00	31.34	186	6.82	7.38
8/16/2005	0:02:00	31.39	186	6.69	7.36
8/16/2005	0:17:00	31.47	186	6.86	7.38
8/16/2005	0:32:00	31.15	186	6.42	7.31
8/16/2005	0:47:00	31.35	186	7.10	7.45
8/16/2005	1:02:00	31.53	186	6.94	7.44
8/16/2005	1:17:00	31.24	186	6.37	7.31
8/16/2005	1:32:00	31.19	186	6.21	7.28
8/16/2005	1:47:00	31.17	186	6.20	7.28
8/16/2005	2:02:00	31.18	186	6.33	7.30
8/16/2005	2:17:00	31.14	186	6.29	7.28
8/16/2005	2:32:00	31.25	187	6.77	7.35
8/16/2005	2:47:00	31.21	186	6.71	7.34
8/16/2005	3:02:00	31.07	188	6.18	7.27

Sonde Summary  
 TT314 - 5 feet  
 August 2005

Date m/d/y	Time hh:mm:ss	Temp °C	SpCond uS/cm	DO mg/L	pH s.u.
8/16/2005	3:17:00	31.31	188	6.80	7.37
8/16/2005	3:32:00	31.23	188	6.30	7.29
8/16/2005	3:47:00	31.38	186	7.06	7.40
8/16/2005	4:02:00	31.47	187	7.45	7.53
8/16/2005	4:17:00	31.58	188	7.92	7.71
8/16/2005	4:32:00	31.53	188	7.78	7.68
8/16/2005	4:47:00	31.49	189	7.64	7.64
8/16/2005	5:02:00	31.45	189	7.44	7.56
8/16/2005	5:17:00	31.41	188	7.50	7.58
8/16/2005	5:32:00	31.35	188	6.99	7.45
8/16/2005	5:47:00	31.36	187	7.21	7.49
8/16/2005	6:02:00	31.37	188	7.37	7.56
8/16/2005	6:17:00	31.33	188	7.32	7.57
8/16/2005	6:32:00	31.34	188	7.34	7.54
8/16/2005	6:47:00	31.32	187	7.11	7.49
8/16/2005	7:02:00	31.31	187	7.18	7.50
8/16/2005	7:17:00	31.28	187	7.21	7.51
8/16/2005	7:32:00	31.25	187	7.31	7.53
8/16/2005	7:47:00	31.20	188	7.06	7.46
8/16/2005	8:02:00	31.16	189	6.74	7.42
8/16/2005	8:17:00	31.17	190	7.07	7.49
8/16/2005	8:32:00	31.14	189	6.95	7.46
8/16/2005	8:47:00	31.12	189	6.76	7.42
8/16/2005	9:02:00	31.11	189	6.77	7.43
8/16/2005	9:17:00	31.12	189	6.80	7.43
8/16/2005	9:32:00	31.14	189	6.76	7.44
8/16/2005	9:47:00	31.14	189	6.74	7.44
8/16/2005	10:02:00	31.12	189	6.73	7.41
8/16/2005	10:17:00	31.17	189	7.09	7.49
8/16/2005	10:32:00	31.18	188	7.17	7.51
8/16/2005	10:47:00	31.20	189	7.05	7.51
8/16/2005	11:02:00	31.23	189	7.14	7.51
8/16/2005	11:17:00	31.24	189	7.26	7.51
8/16/2005	11:32:00	31.21	189	7.09	7.48
8/16/2005	11:47:00	31.22	190	7.22	7.51
8/16/2005	12:02:00	31.20	189	7.18	7.50
8/16/2005	12:17:00	31.19	189	7.13	7.47
8/16/2005	12:32:00	31.24	189	7.29	7.52
8/16/2005	12:47:00	31.32	189	6.97	7.46
8/16/2005	13:02:00	31.41	190	7.18	7.48
8/16/2005	13:17:00	31.52	190	7.70	7.63
8/16/2005	13:32:00	31.34	190	7.03	7.47
8/16/2005	13:47:00	31.31	189	7.16	7.48
8/16/2005	14:02:00	31.40	190	7.58	7.58
8/16/2005	14:17:00	31.40	190	7.65	7.61
8/16/2005	14:32:00	31.51	190	7.95	7.71



Sonde Summary  
 TT314 - 5 feet  
 August 2005

Date m/d/y	Time hh:mm:ss	Temp °C	SpCond uS/cm	DO mg/L	pH s.u.
8/16/2005	14:47:00	31.43	190	7.56	7.59
8/16/2005	15:02:00	31.48	190	7.62	7.60
8/16/2005	15:17:00	31.45	190	7.63	7.59
8/16/2005	15:32:00	31.38	189	7.65	7.61
8/16/2005	15:47:00	31.34	190	6.98	7.45
8/16/2005	16:02:00	31.42	190	7.29	7.52
8/16/2005	16:17:00	31.44	191	7.33	7.52
8/16/2005	16:32:00	31.35	190	6.56	7.38
8/16/2005	16:47:00	31.67	191	7.11	7.47
8/16/2005	17:02:00	31.53	191	7.20	7.49
8/16/2005	17:17:00	31.48	190	7.28	7.51
8/16/2005	17:32:00	31.51	190	7.41	7.55
8/16/2005	17:47:00	31.54	190	7.51	7.56
8/16/2005	18:02:00	31.60	190	7.87	7.67
8/16/2005	18:17:00	31.59	190	7.66	7.60
8/16/2005	18:32:00	31.57	190	7.64	7.59
8/16/2005	18:47:00	31.55	191	7.26	7.51
8/16/2005	19:02:00	31.55	191	6.93	7.43
8/16/2005	19:17:00	31.42	191	6.57	7.37
8/16/2005	19:32:00	31.61	191	7.09	7.45
8/16/2005	19:47:00	31.60	192	6.97	7.44
8/16/2005	20:02:00	31.59	191	7.01	7.45
8/16/2005	20:17:00	31.66	192	6.84	7.41
8/16/2005	20:32:00	31.56	192	6.86	7.43
8/16/2005	20:47:00	31.50	191	6.77	7.40
8/16/2005	21:02:00	31.62	191	7.06	7.46
8/16/2005	21:17:00	31.70	191	7.18	7.49
8/16/2005	21:32:00	31.60	191	7.09	7.46
8/16/2005	21:47:00	31.60	192	6.56	7.36
8/16/2005	22:02:00	31.61	192	6.73	7.39
8/16/2005	22:17:00	31.71	193	6.73	7.40
8/16/2005	22:32:00	31.66	193	6.58	7.37
8/16/2005	22:47:00	31.62	193	6.57	7.37
8/16/2005	23:02:00	31.56	192	6.43	7.33
8/16/2005	23:17:00	31.85	192	7.11	7.48
8/16/2005	23:32:00	31.93	193	7.14	7.51
8/16/2005	23:47:00	31.77	192	6.98	7.45
8/17/2005	0:02:00	31.77	193	6.92	7.43
8/17/2005	0:17:00	31.84	194	7.00	7.50
8/17/2005	0:32:00	31.77	194	6.65	7.42
8/17/2005	0:47:00	32.00	194	7.09	7.52
8/17/2005	1:02:00	32.23	196	7.62	7.68
8/17/2005	1:17:00	32.21	196	7.67	7.71
8/17/2005	1:32:00	32.14	197	7.57	7.68
8/17/2005	1:47:00	32.09	196	7.46	7.64
8/17/2005	2:02:00	32.05	197	7.25	7.56

Sonde Summary  
 TT314 - 5 feet  
 August 2005

Date m/d/y	Time hh:mm:ss	Temp °C	SpCond uS/cm	DO mg/L	pH s.u.
8/17/2005	2:17:00	32.08	198	7.36	7.62
8/17/2005	2:32:00	32.06	198	7.37	7.63
8/17/2005	2:47:00	32.03	198	7.32	7.61
8/17/2005	3:02:00	32.02	198	7.25	7.60
8/17/2005	3:17:00	32.00	198	7.19	7.58
8/17/2005	3:32:00	31.98	199	7.18	7.59
8/17/2005	3:47:00	31.96	199	7.23	7.58
8/17/2005	4:02:00	31.94	198	6.97	7.54
8/17/2005	4:17:00	31.91	198	7.09	7.54
8/17/2005	4:32:00	31.89	198	7.08	7.55
8/17/2005	4:47:00	31.87	199	6.97	7.52
8/17/2005	5:02:00	31.82	200	6.97	7.53
8/17/2005	5:17:00	31.78	199	6.93	7.51
8/17/2005	5:32:00	31.74	197	6.77	7.46
8/17/2005	5:47:00	31.72	198	6.77	7.47
8/17/2005	6:02:00	31.72	199	6.85	7.48
8/17/2005	6:17:00	31.69	199	6.84	7.48
8/17/2005	6:32:00	31.67	202	6.82	7.46
8/17/2005	6:47:00	31.64	201	6.87	7.48
8/17/2005	7:02:00	31.63	202	6.80	7.45
8/17/2005	7:17:00	31.63	202	6.78	7.44
8/17/2005	7:32:00	31.61	201	6.83	7.46
8/17/2005	7:47:00	31.56	198	6.56	7.41
8/17/2005	8:02:00	31.55	200	6.71	7.42
8/17/2005	8:17:00	31.55	197	6.80	7.46
8/17/2005	8:32:00	31.53	201	6.68	7.42
8/17/2005	8:47:00	31.47	202	6.32	7.35
8/17/2005	9:02:00	31.50	200	6.41	7.37
8/17/2005	9:17:00	31.47	200	6.28	7.35
<b>MAX</b>		32.23	202.00	7.95	7.71
<b>MIN</b>		30.87	185.00	5.95	7.25
<b>AVG</b>		31.44	190.75	6.91	7.45

Sonde Summary  
 TT314 - Lower Layer  
 August 2005

Date m/d/y	Time hh:mm:ss	Temp °C	SpCond uS/cm	DO mg/L	pH s.u.	Turbidity NTU
8/15/2005	16:17:00	30.68	188	6.20	7.20	15.3
8/15/2005	16:32:00	30.63	187	5.50	6.77	20.2
8/15/2005	16:47:00	30.65	187	5.52	6.89	17.9
8/15/2005	17:02:00	30.65	187	5.50	6.95	16.2
8/15/2005	17:17:00	30.67	187	5.51	6.98	15.2
8/15/2005	17:32:00	30.58	187	5.24	6.95	17.2
8/15/2005	17:47:00	30.63	187	5.37	6.98	15.5
8/15/2005	18:02:00	30.71	187	5.44	7.00	17.0
8/15/2005	18:17:00	30.64	187	5.31	6.99	14.8
8/15/2005	18:32:00	30.67	187	5.34	7.00	15.8
8/15/2005	18:47:00	30.65	187	5.25	7.00	19.1
8/15/2005	19:02:00	30.62	187	5.18	6.99	15.9
8/15/2005	19:17:00	30.63	187	5.22	6.99	16.6
8/15/2005	19:32:00	30.59	187	5.03	6.96	22.6
8/15/2005	19:47:00	30.60	187	5.18	6.97	18.3
8/15/2005	20:02:00	30.60	187	5.14	6.96	18.9
8/15/2005	20:17:00	30.62	187	5.14	6.97	22.4
8/15/2005	20:32:00	30.60	187	5.11	6.96	21.9
8/15/2005	20:47:00	30.59	187	5.09	6.95	19.1
8/15/2005	21:02:00	30.63	187	5.18	6.96	20.3
8/15/2005	21:17:00	30.64	187	5.18	6.96	20.3
8/15/2005	21:32:00	30.62	187	5.14	6.96	19.2
8/15/2005	21:47:00	30.62	187	5.12	6.95	18.3
8/15/2005	22:02:00	30.67	187	5.25	6.97	18.0
8/15/2005	22:17:00	30.66	187	5.18	6.96	20.2
8/15/2005	22:32:00	30.65	187	5.15	6.96	19.3
8/15/2005	22:47:00	30.64	187	5.15	6.96	17.7
8/15/2005	23:02:00	30.65	187	5.19	6.97	16.4
8/15/2005	23:17:00	30.62	187	5.10	6.95	17.0
8/15/2005	23:32:00	30.63	187	5.10	6.96	16.9
8/15/2005	23:47:00	30.64	187	5.05	6.96	18.7
8/16/2005	0:02:00	30.64	187	4.91	6.95	19.3
8/16/2005	0:17:00	30.68	187	4.94	6.94	19.4
8/16/2005	0:32:00	30.62	187	4.90	6.94	19.4
8/16/2005	0:47:00	30.63	187	4.90	6.95	19.7
8/16/2005	1:02:00	30.62	187	4.86	6.94	18.5
8/16/2005	1:17:00	30.62	187	4.81	6.93	18.4
8/16/2005	1:32:00	30.61	187	4.64	6.92	22.2
8/16/2005	1:47:00	30.61	187	4.60	6.92	20.6
8/16/2005	2:02:00	30.58	187	4.65	6.92	17.8
8/16/2005	2:17:00	30.62	188	4.89	6.95	16.7
8/16/2005	2:32:00	30.61	187	4.85	6.94	16.6
8/16/2005	2:47:00	30.64	187	4.91	6.94	18.0
8/16/2005	3:02:00	30.64	187	4.84	6.93	18.4

Sonde Summary  
 TT314 - Lower Layer  
 August 2005

Date m/d/y	Time hh:mm:ss	Temp °C	SpCond uS/cm	DO mg/L	pH s.u.	Turbidity NTU
8/16/2005	3:17:00	30.59	187	4.82	6.93	17.8
8/16/2005	3:32:00	30.61	187	4.85	6.93	18.4
8/16/2005	3:47:00	30.63	187	4.88	6.93	17.2
8/16/2005	4:02:00	30.65	188	4.85	6.93	18.9
8/16/2005	4:17:00	30.64	187	4.85	6.94	16.9
8/16/2005	4:32:00	30.65	187	4.83	6.93	17.3
8/16/2005	4:47:00	30.68	188	4.68	6.92	19.2
8/16/2005	5:02:00	30.65	187	4.75	6.93	16.4
8/16/2005	5:17:00	30.66	187	4.75	6.94	17.4
8/16/2005	5:32:00	30.67	187	4.54	6.92	18.0
8/16/2005	5:47:00	30.66	187	4.50	6.92	17.8
8/16/2005	6:02:00	30.66	187	4.54	6.91	16.4
8/16/2005	6:17:00	30.69	187	4.53	6.91	16.9
8/16/2005	6:32:00	30.68	187	4.62	6.92	18.0
8/16/2005	6:47:00	30.63	187	4.48	6.91	18.0
8/16/2005	7:02:00	30.63	187	4.50	6.91	16.8
8/16/2005	7:17:00	30.60	187	4.42	6.90	17.2
8/16/2005	7:32:00	30.65	188	4.57	6.92	17.2
8/16/2005	7:47:00	30.62	188	4.57	6.91	16.1
8/16/2005	8:02:00	30.67	187	4.76	6.94	13.9
8/16/2005	8:17:00	30.68	188	4.84	6.94	13.6
8/16/2005	8:32:00	30.68	188	4.80	6.94	13.5
8/16/2005	8:47:00	30.68	188	4.75	6.94	13.6
8/16/2005	9:02:00	30.76	188	4.57	6.92	19.3
8/16/2005	9:17:00	30.76	188	4.65	6.92	16.0
8/16/2005	9:32:00	30.74	188	4.75	6.93	14.8
8/16/2005	9:47:00	30.75	188	4.81	6.93	13.7
8/16/2005	10:02:00	30.74	188	4.65	6.93	14.1
8/16/2005	10:17:00	30.66	188	4.50	6.92	14.1
8/16/2005	10:32:00	30.70	188	4.60	6.93	14.4
8/16/2005	10:47:00	30.68	188	4.56	6.91	15.0
8/16/2005	11:02:00	30.68	188	4.52	6.90	15.0
8/16/2005	11:17:00	30.65	188	4.56	6.90	15.0
8/16/2005	11:32:00	30.62	188	4.50	6.89	16.1
8/16/2005	11:47:00	30.62	188	4.49	6.89	16.7
8/16/2005	12:02:00	30.62	188	4.47	6.89	16.9
8/16/2005	12:17:00	30.63	188	4.52	6.89	18.7
8/16/2005	12:32:00	30.66	188	4.58	6.90	20.4
8/16/2005	12:47:00	30.80	189	5.05	6.96	14.4
8/16/2005	13:02:00	30.91	189	5.39	7.01	13.9
8/16/2005	13:17:00	30.91	190	5.78	7.04	13.7
8/16/2005	13:32:00	31.00	189	5.87	7.08	10.6
8/16/2005	13:47:00	30.89	189	5.23	6.98	17.7
8/16/2005	14:02:00	31.13	190	6.48	7.20	11.2
8/16/2005	14:17:00	30.80	189	4.89	6.93	18.7
8/16/2005	14:32:00	30.74	188	4.71	6.90	16.7

Sonde Summary  
 TT314 - Lower Layer  
 August 2005

Date m/d/y	Time hh:mm:ss	Temp °C	SpCond uS/cm	DO mg/L	pH s.u.	Turbidity NTU
8/16/2005	14:47:00	30.81	189	4.94	6.94	17.0
8/16/2005	15:02:00	30.89	189	5.10	6.96	20.0
8/16/2005	15:17:00	30.89	189	5.12	6.96	20.1
8/16/2005	15:32:00	30.87	189	5.03	6.94	23.2
8/16/2005	15:47:00	30.90	189	5.19	6.97	17.4
8/16/2005	16:02:00	30.90	190	5.31	6.99	19.0
8/16/2005	16:17:00	30.90	190	5.28	6.97	16.0
8/16/2005	16:32:00	30.85	190	5.08	6.96	19.8
8/16/2005	16:47:00	30.84	190	5.00	6.95	17.2
8/16/2005	17:02:00	30.87	189	5.19	6.97	17.7
8/16/2005	17:17:00	30.93	190	5.36	7.00	18.6
8/16/2005	17:32:00	30.91	190	5.25	6.98	19.6
8/16/2005	17:47:00	30.89	190	5.13	6.97	20.2
8/16/2005	18:02:00	31.04	190	5.66	7.04	19.8
8/16/2005	18:17:00	30.93	190	5.23	6.97	15.3
8/16/2005	18:32:00	30.91	190	5.13	6.96	19.7
8/16/2005	18:47:00	30.88	190	5.02	6.95	18.1
8/16/2005	19:02:00	30.84	190	4.89	6.93	23.2
8/16/2005	19:17:00	30.87	191	4.89	6.93	19.3
8/16/2005	19:32:00	30.89	190	4.93	6.94	17.3
8/16/2005	19:47:00	30.88	190	4.91	6.94	18.2
8/16/2005	20:02:00	30.88	191	4.92	6.94	18.9
8/16/2005	20:17:00	30.86	190	4.84	6.93	19.5
8/16/2005	20:32:00	30.87	191	4.85	6.93	18.5
8/16/2005	20:47:00	30.90	191	4.91	6.94	17.6
8/16/2005	21:02:00	30.88	191	4.86	6.93	19.2
8/16/2005	21:17:00	30.86	191	4.85	6.92	17.2
8/16/2005	21:32:00	30.88	191	4.92	6.94	14.9
8/16/2005	21:47:00	30.87	191	4.87	6.93	15.3
8/16/2005	22:02:00	30.88	191	4.84	6.93	15.3
8/16/2005	22:17:00	30.86	191	4.79	6.93	16.6
8/16/2005	22:32:00	30.91	191	4.90	6.94	16.0
8/16/2005	22:47:00	31.05	191	5.25	6.99	25.5
8/16/2005	23:02:00	31.04	191	5.21	6.98	15.3
8/16/2005	23:17:00	30.88	191	4.79	6.92	16.8
8/16/2005	23:32:00	30.85	191	4.74	6.91	16.2
8/16/2005	23:47:00	30.83	190	4.69	6.91	17.5
8/17/2005	0:02:00	30.90	191	4.83	6.93	16.5
8/17/2005	0:17:00	30.84	190	4.54	6.90	19.4
8/17/2005	0:32:00	30.84	191	4.64	6.91	15.1
8/17/2005	0:47:00	30.93	192	4.85	6.94	14.5
8/17/2005	1:02:00	30.90	191	4.74	6.92	14.9
8/17/2005	1:17:00	30.92	191	4.71	6.92	16.4
8/17/2005	1:32:00	30.94	191	4.76	6.93	15.1
8/17/2005	1:47:00	30.94	191	4.81	6.93	14.7
8/17/2005	2:02:00	30.96	191	4.83	6.93	17.9

Sonde Summary  
 TT314 - Lower Layer  
 August 2005

Date m/d/y	Time hh:mm:ss	Temp °C	SpCond uS/cm	DO mg/L	pH s.u.	Turbidity NTU
8/17/2005	2:17:00	30.96	190	4.74	6.92	18.2
8/17/2005	2:32:00	30.93	191	4.65	6.91	18.9
8/17/2005	2:47:00	30.99	191	4.63	6.91	20.3
8/17/2005	3:02:00	30.98	191	4.73	6.92	18.4
8/17/2005	3:17:00	30.95	191	4.63	6.90	19.2
8/17/2005	3:32:00	30.92	191	4.48	6.90	20.6
8/17/2005	3:47:00	30.93	191	4.54	6.92	17.5
8/17/2005	4:02:00	30.96	191	4.58	6.92	16.7
8/17/2005	4:17:00	30.96	191	4.55	6.91	17.6
8/17/2005	4:32:00	30.94	191	4.45	6.90	17.0
8/17/2005	4:47:00	30.93	191	4.59	6.90	15.9
8/17/2005	5:02:00	30.93	192	4.64	6.91	14.1
8/17/2005	5:17:00	30.89	192	4.54	6.91	14.5
8/17/2005	5:32:00	30.94	192	4.62	6.91	14.7
8/17/2005	5:47:00	30.96	192	4.64	6.91	14.3
8/17/2005	6:02:00	31.05	192	4.87	6.94	13.0
8/17/2005	6:17:00	30.96	192	4.66	6.91	13.7
8/17/2005	6:32:00	30.98	192	4.64	6.91	15.5
8/17/2005	6:47:00	30.96	192	4.55	6.90	15.9
8/17/2005	7:02:00	31.04	192	4.77	6.92	13.8
8/17/2005	7:17:00	31.05	192	4.65	6.91	15.5
8/17/2005	7:32:00	31.09	192	4.74	6.92	14.4
8/17/2005	7:47:00	30.90	192	4.36	6.87	16.1
8/17/2005	8:02:00	31.15	194	4.92	6.93	12.6
8/17/2005	8:17:00	30.90	191	4.28	6.86	15.3
8/17/2005	8:32:00	31.05	194	4.68	6.92	13.6
8/17/2005	8:47:00	31.22	196	5.21	6.99	13.5
8/17/2005	9:02:00	31.15	196	5.16	6.98	17.3
8/17/2005	9:17:00	31.02	193	4.67	6.92	17.3
<b>MAX</b>		31.22	196.00	6.48	7.20	25.50
<b>MIN</b>		30.58	187.00	4.28	6.77	10.60
<b>AVG</b>		30.79	189.07	4.90	6.94	17.20

Sonde Summary  
TT310 - 1 Foot  
August 2005

Date m/d/y	Time hh:mm:ss	Temp °C	SpCond uS/cm	DO mg/L	pH s.u.	Turbidity NTU
8/15/2005	17:31:59	32.03	215	7.63	7.41	12.6
8/15/2005	17:47:00	31.87	215	7.52	7.47	12.8
8/15/2005	18:02:00	31.84	214	7.64	7.52	12.8
8/15/2005	18:16:59	31.95	215	7.60	7.61	12.6
8/15/2005	18:32:00	32.98	215	9.21	8.27	12.6
8/15/2005	18:47:00	32.92	215	8.97	8.22	11.4
8/15/2005	19:02:00	33.17	215	9.34	8.27	11.2
8/15/2005	19:16:59	32.40	216	8.82	7.83	12.3
8/15/2005	19:32:00	32.38	215	8.51	7.78	11.8
8/15/2005	19:47:00	32.72	215	8.12	7.74	11.7
8/15/2005	20:01:59	33.89	218	9.03	8.30	11.2
8/15/2005	20:17:00	33.29	216	9.19	8.26	11.3
8/15/2005	20:32:00	32.88	215	9.00	8.00	10.7
8/15/2005	20:47:00	32.45	215	8.27	7.72	10.8
8/15/2005	21:01:59	32.50	215	7.96	7.62	11.2
8/15/2005	21:17:00	32.30	216	7.61	7.51	11.5
8/15/2005	21:32:00	32.27	216	7.23	7.40	13.0
8/15/2005	21:46:59	32.17	216	6.99	7.36	12.3
8/15/2005	22:01:59	32.19	215	7.10	7.39	12.0
8/15/2005	22:17:00	32.33	215	7.30	7.45	11.5
8/15/2005	22:32:00	32.11	214	7.10	7.38	11.3
8/15/2005	22:46:59	32.17	213	7.06	7.36	10.6
8/15/2005	23:02:00	32.07	213	6.61	7.35	11.1
8/15/2005	23:17:00	32.76	215	7.19	7.56	11.1
8/15/2005	23:31:59	32.86	217	7.66	7.76	11.7
8/15/2005	23:47:00	32.90	217	7.61	7.70	12.7
8/16/2005	0:02:00	33.07	221	7.94	7.72	14.4
8/16/2005	0:16:59	33.01	222	8.14	7.96	13.6
8/16/2005	0:31:59	33.11	222	8.56	8.13	12.1
8/16/2005	0:47:00	32.93	221	8.26	7.97	11.9
8/16/2005	1:02:00	32.86	221	8.32	8.01	11.5
8/16/2005	1:16:59	32.79	220	8.17	7.93	11.8
8/16/2005	1:32:00	32.68	220	8.02	7.87	11.8
8/16/2005	1:47:00	32.64	221	7.88	7.83	12.5
8/16/2005	2:01:59	32.56	221	7.69	7.68	13.0
8/16/2005	2:16:59	32.52	221	7.69	7.72	13.2
8/16/2005	2:32:00	32.12	218	6.68	7.28	13.0
8/16/2005	2:47:00	32.16	218	6.81	7.40	12.8
8/16/2005	3:01:59	32.07	219	7.17	7.50	12.1
8/16/2005	3:17:00	31.85	217	7.13	7.49	11.5
8/16/2005	3:32:00	31.67	216	7.14	7.51	10.8
8/16/2005	3:46:59	31.51	213	6.86	7.42	10.9
8/16/2005	4:01:59	31.42	212	6.56	7.35	10.9
8/16/2005	4:17:00	31.36	210	6.41	7.33	10.8

Sonde Summary  
 TT310 - 1 Foot  
 August 2005

Date m/d/y	Time hh:mm:ss	Temp °C	SpCond uS/cm	DO mg/L	pH s.u.	Turbidity NTU
8/16/2005	4:32:00	31.29	209	6.09	7.26	10.6
8/16/2005	4:46:59	31.23	210	6.24	7.29	10.6
8/16/2005	5:02:00	31.21	209	6.03	7.25	11.1
8/16/2005	5:17:00	31.19	209	5.91	7.23	10.7
8/16/2005	5:31:59	31.16	209	6.11	7.28	10.3
8/16/2005	5:47:00	31.12	209	5.91	7.24	10.3
8/16/2005	6:02:00	31.10	209	5.78	7.23	10.8
8/16/2005	6:17:00	31.07	209	5.70	7.21	10.9
8/16/2005	6:31:59	31.05	210	5.72	7.21	10.6
8/16/2005	6:47:00	31.02	210	5.61	7.20	10.7
8/16/2005	7:02:00	31.03	209	5.64	7.20	11.1
8/16/2005	7:16:59	31.06	208	5.78	7.22	11.2
8/16/2005	7:32:00	31.10	208	6.01	7.26	10.3
8/16/2005	7:47:00	31.16	209	5.96	7.25	10.9
8/16/2005	8:01:59	31.17	209	5.93	7.24	11.0
8/16/2005	8:16:59	31.18	208	5.91	7.24	11.9
8/16/2005	8:32:00	31.20	206	6.03	7.26	12.2
8/16/2005	8:47:00	31.22	206	6.21	7.28	13.6
8/16/2005	9:01:59	31.25	206	6.22	7.29	10.7
8/16/2005	9:17:00	31.26	206	6.28	7.29	3.2
8/16/2005	9:32:00	31.31	206	6.53	7.33	4.1
8/16/2005	9:46:59	31.33	206	6.66	7.36	10.8
8/16/2005	10:02:00	31.43	206	6.87	7.41	11.1
8/16/2005	10:17:00	31.41	206	6.84	7.40	11.1
8/16/2005	10:31:59	31.42	206	6.91	7.42	10.9
8/16/2005	10:46:59	31.46	206	7.06	7.43	11.0
8/16/2005	11:02:00	31.47	206	7.03	7.42	11.1
8/16/2005	11:17:00	31.47	206	6.96	7.39	10.7
8/16/2005	11:31:59	31.71	206	7.86	7.63	10.6
8/16/2005	11:47:00	31.57	206	7.12	7.41	10.9
8/16/2005	12:02:00	31.41	206	6.65	7.28	12.0
8/16/2005	12:16:59	32.00	206	8.56	7.91	11.1
8/16/2005	12:32:00	32.29	206	8.76	8.05	10.2
8/16/2005	12:47:00	31.71	206	7.52	7.52	11.1
8/16/2005	13:01:59	31.75	208	7.97	7.63	11.0
8/16/2005	13:16:59	31.87	206	8.33	7.83	10.8
8/16/2005	13:32:00	32.12	205	8.74	8.00	10.6
8/16/2005	13:47:00	32.24	206	8.80	8.04	10.8
8/16/2005	14:01:59	31.99	206	8.48	7.83	11.6
8/16/2005	14:17:00	32.08	206	8.77	8.03	11.2
8/16/2005	14:32:00	32.54	205	9.16	8.22	10.5
8/16/2005	14:46:59	32.70	206	9.23	8.30	11.1
8/16/2005	15:02:00	32.77	207	9.25	8.27	11.2
8/16/2005	15:17:00	32.54	207	9.02	8.15	12.2
8/16/2005	15:32:00	32.23	208	9.06	8.01	13.3
8/16/2005	15:46:59	33.41	205	9.76	8.51	9.9



Sonde Summary  
 TT310 - 1 Foot  
 August 2005

Date m/d/y	Time hh:mm:ss	Temp °C	SpCond uS/cm	DO mg/L	pH s.u.	Turbidity NTU
8/16/2005	16:02:00	32.54	205	9.96	8.48	10.9
8/16/2005	16:17:00	33.11	206	9.50	8.42	10.9
8/16/2005	16:31:59	32.38	206	8.56	7.83	12.8
8/16/2005	16:47:00	33.82	205	9.32	8.40	11.2
8/16/2005	17:02:00	32.50	205	8.94	8.03	11.6
8/16/2005	17:16:59	32.09	206	7.71	7.53	12.4
8/16/2005	17:31:59	32.39	205	8.22	7.73	11.8
8/16/2005	17:47:00	32.53	205	7.92	7.70	11.5
8/16/2005	18:02:00	32.09	206	7.12	7.41	12.2
8/16/2005	18:16:59	32.39	204	8.43	7.80	11.7
8/16/2005	18:32:00	32.16	203	7.92	7.63	11.5
8/16/2005	18:47:00	32.85	204	8.75	7.94	10.9
8/16/2005	19:01:59	33.05	204	8.57	8.02	11.5
8/16/2005	19:17:00	32.98	204	8.37	7.89	11.6
8/16/2005	19:32:00	32.61	203	7.74	7.58	11.2
8/16/2005	19:47:00	32.34	202	7.44	7.47	11.2
8/16/2005	20:01:59	32.55	202	7.82	7.68	10.1
8/16/2005	20:17:00	32.39	201	7.84	7.59	10.6
8/16/2005	20:32:00	32.66	200	9.46	8.46	9.0
8/16/2005	20:46:59	32.54	200	9.20	8.28	9.7
8/16/2005	21:02:00	32.46	200	8.86	8.20	9.5
8/16/2005	21:17:00	32.40	201	8.75	8.15	9.5
8/16/2005	21:32:00	32.35	201	8.56	8.06	9.7
8/16/2005	21:46:59	32.24	201	8.18	7.82	10.1
8/16/2005	22:02:00	32.34	201	8.23	7.90	9.8
8/16/2005	22:17:00	32.34	201	8.28	7.92	9.7
8/16/2005	22:31:59	32.24	200	8.21	7.89	9.8
8/16/2005	22:47:00	31.82	201	7.00	7.40	10.5
8/16/2005	23:02:00	32.00	200	7.68	7.63	10.0
8/16/2005	23:16:59	32.36	206	7.65	7.69	11.0
8/16/2005	23:31:59	32.05	201	7.71	7.67	10.4
8/16/2005	23:47:00	31.93	200	7.63	7.65	10.0
8/17/2005	0:02:00	31.93	201	7.62	7.66	10.1
8/17/2005	0:16:59	31.80	199	7.45	7.58	10.0
8/17/2005	0:32:00	31.89	202	7.34	7.56	10.3
8/17/2005	0:47:00	31.91	203	7.28	7.53	11.0
8/17/2005	1:01:59	31.90	203	7.12	7.47	10.8
8/17/2005	1:17:00	31.78	202	7.08	7.46	10.7
8/17/2005	1:32:00	31.62	200	6.47	7.30	11.1
8/17/2005	1:46:59	31.63	200	6.57	7.33	10.9
8/17/2005	2:01:59	31.57	200	6.54	7.33	10.7
8/17/2005	2:17:00	31.63	199	6.57	7.34	11.8
8/17/2005	2:32:00	31.65	198	6.47	7.32	11.9
8/17/2005	2:46:59	31.61	198	6.54	7.33	11.1
8/17/2005	3:02:00	31.66	200	6.67	7.37	10.8
8/17/2005	3:17:00	31.65	201	6.63	7.37	10.4

Sonde Summary  
 TT310 - 1 Foot  
 August 2005

Date m/d/y	Time hh:mm:ss	Temp °C	SpCond uS/cm	DO mg/L	pH s.u.	Turbidity NTU
8/17/2005	3:31:59	31.71	208	6.37	7.32	12.6
8/17/2005	3:47:00	31.71	207	6.35	7.30	12.5
8/17/2005	4:02:00	31.59	203	6.45	7.33	11.1
8/17/2005	4:16:59	31.64	206	6.32	7.30	11.9
8/17/2005	4:31:59	31.64	197	6.52	7.35	10.8
8/17/2005	4:47:00	31.74	196	6.80	7.43	10.2
8/17/2005	5:02:00	31.74	197	6.71	7.38	10.3
8/17/2005	5:16:59	31.79	195	6.81	7.42	9.8
8/17/2005	5:32:00	31.79	195	6.89	7.44	9.0
8/17/2005	5:47:00	31.74	195	6.80	7.41	9.5
8/17/2005	6:01:59	31.72	194	6.72	7.40	9.2
8/17/2005	6:17:00	31.65	197	6.95	7.46	9.2
8/17/2005	6:32:00	31.66	197	6.92	7.44	9.1
8/17/2005	6:47:00	31.64	197	6.80	7.41	9.4
8/17/2005	7:01:59	31.62	197	6.75	7.41	9.4
8/17/2005	7:17:00	31.63	196	6.59	7.36	9.7
8/17/2005	7:32:00	31.61	197	6.64	7.38	10.1
8/17/2005	7:46:59	31.60	196	6.76	7.37	9.9
8/17/2005	8:02:00	31.60	197	6.88	7.42	9.3
8/17/2005	8:17:00	31.58	197	6.75	7.38	9.7
8/17/2005	8:31:59	31.62	194	6.70	7.34	9.5
8/17/2005	8:47:00	31.60	195	6.56	7.34	9.7
8/17/2005	9:02:00	31.53	195	6.12	7.24	10.7
8/17/2005	9:17:00	31.61	196	6.54	7.32	11.1
8/17/2005	9:31:59	31.65	194	6.49	7.31	10.8
<b>MAX</b>		33.89	222.00	9.96	8.51	14.40
<b>MIN</b>		31.02	194.00	5.61	7.20	3.20
<b>AVG</b>		32.02	206.76	7.43	7.61	10.98

Sonde Summary  
 TT310 - 5 feet  
 August 2005

Date m/d/y	Time hh:mm:ss	Temp °C	SpCond uS/cm	DO mg/L	pH s.u.
8/15/2005	17:17:00	31.06	212	5.41	7.17
8/15/2005	17:32:00	31.02	212	5.16	7.14
8/15/2005	17:47:00	30.99	212	4.93	7.13
8/15/2005	18:02:00	31.01	212	4.89	7.13
8/15/2005	18:17:00	31.00	212	4.71	7.12
8/15/2005	18:32:00	31.02	212	4.80	7.13
8/15/2005	18:47:00	30.96	212	4.70	7.12
8/15/2005	19:02:00	31.00	212	4.72	7.13
8/15/2005	19:17:00	30.99	211	4.75	7.12
8/15/2005	19:32:00	30.99	211	4.76	7.12
8/15/2005	19:47:00	30.94	212	4.61	7.11
8/15/2005	20:02:00	30.95	211	4.59	7.11
8/15/2005	20:17:00	30.97	211	4.64	7.11
8/15/2005	20:32:00	31.03	211	4.83	7.13
8/15/2005	20:47:00	31.02	211	4.78	7.12
8/15/2005	21:02:00	31.08	211	4.87	7.14
8/15/2005	21:17:00	31.05	211	4.71	7.12
8/15/2005	21:32:00	31.02	211	4.56	7.10
8/15/2005	21:47:00	31.07	211	4.63	7.11
8/15/2005	22:02:00	31.11	210	4.78	7.13
8/15/2005	22:17:00	31.03	210	4.58	7.10
8/15/2005	22:32:00	31.03	210	4.56	7.11
8/15/2005	22:47:00	30.96	210	4.38	7.09
8/15/2005	23:02:00	30.92	211	4.24	7.08
8/15/2005	23:17:00	30.94	211	4.29	7.08
8/15/2005	23:32:00	31.00	210	4.46	7.10
8/15/2005	23:47:00	30.99	209	4.50	7.10
8/16/2005	0:02:00	30.96	210	4.39	7.09
8/16/2005	0:17:00	30.92	210	4.28	7.08
8/16/2005	0:32:00	30.93	210	4.30	7.08
8/16/2005	0:47:00	30.94	210	4.31	7.08
8/16/2005	1:02:00	30.95	210	4.31	7.08
8/16/2005	1:17:00	30.95	211	4.26	7.08
8/16/2005	1:32:00	30.94	211	4.24	7.08
8/16/2005	1:47:00	30.94	210	4.21	7.08
8/16/2005	2:02:00	30.98	210	4.31	7.08
8/16/2005	2:17:00	30.97	210	4.24	7.08
8/16/2005	2:32:00	30.99	210	4.20	7.07
8/16/2005	2:47:00	31.02	210	4.27	7.08
8/16/2005	3:02:00	31.02	209	4.30	7.07
8/16/2005	3:17:00	30.99	208	4.28	7.07
8/16/2005	3:32:00	30.98	207	4.48	7.09
8/16/2005	3:47:00	30.97	206	4.50	7.09
8/16/2005	4:02:00	30.92	206	4.37	7.08

Sonde Summary  
 TT310 - 5 feet  
 August 2005

Date m/d/y	Time hh:mm:ss	Temp °C	SpCond uS/cm	DO mg/L	pH s.u.
8/16/2005	4:17:00	30.92	206	4.42	7.09
8/16/2005	4:32:00	30.92	206	4.46	7.10
8/16/2005	4:47:00	30.92	207	4.33	7.08
8/16/2005	5:02:00	30.96	207	4.32	7.09
8/16/2005	5:17:00	30.97	207	4.31	7.09
8/16/2005	5:32:00	30.96	207	4.59	7.10
8/16/2005	5:47:00	30.94	207	4.64	7.12
8/16/2005	6:02:00	30.99	207	4.62	7.12
8/16/2005	6:17:00	31.01	206	5.33	7.20
8/16/2005	6:32:00	31.01	206	5.41	7.22
8/16/2005	6:47:00	30.95	206	5.37	7.20
8/16/2005	7:02:00	31.03	205	5.47	7.24
8/16/2005	7:17:00	31.03	205	5.49	7.23
8/16/2005	7:32:00	31.01	205	5.55	7.24
8/16/2005	7:47:00	31.00	206	5.52	7.24
8/16/2005	8:02:00	31.03	205	5.61	7.26
8/16/2005	8:17:00	31.03	205	5.54	7.25
8/16/2005	8:32:00	31.07	205	5.55	7.25
8/16/2005	8:47:00	31.07	205	5.63	7.26
8/16/2005	9:02:00	31.07	204	5.57	7.27
8/16/2005	9:17:00	31.05	205	5.61	7.25
8/16/2005	9:32:00	31.00	206	5.16	7.18
8/16/2005	9:47:00	30.91	207	4.70	7.07
8/16/2005	10:02:00	30.95	207	4.52	7.12
8/16/2005	10:17:00	30.97	207	4.63	7.13
8/16/2005	10:32:00	30.97	206	4.74	7.13
8/16/2005	10:47:00	30.98	206	4.63	7.12
8/16/2005	11:02:00	31.06	205	5.13	7.18
8/16/2005	11:17:00	31.07	205	5.46	7.22
8/16/2005	11:32:00	31.08	205	5.57	7.24
8/16/2005	11:47:00	31.12	204	5.75	7.27
8/16/2005	12:02:00	31.02	205	5.13	7.17
8/16/2005	12:17:00	31.22	203	5.17	7.17
8/16/2005	12:32:00	31.18	203	5.40	7.21
8/16/2005	12:47:00	30.98	204	4.46	7.10
8/16/2005	13:02:00	31.03	204	4.63	7.12
8/16/2005	13:17:00	31.01	204	4.50	7.10
8/16/2005	13:32:00	31.03	203	4.52	7.09
8/16/2005	13:47:00	31.00	204	4.42	7.09
8/16/2005	14:02:00	31.02	204	4.45	7.09
8/16/2005	14:17:00	30.99	204	4.51	7.10
8/16/2005	14:32:00	30.97	204	4.45	7.10
8/16/2005	14:47:00	31.00	205	4.50	7.11
8/16/2005	15:02:00	31.04	205	4.60	7.11
8/16/2005	15:17:00	31.03	204	4.54	7.11
8/16/2005	15:32:00	31.05	204	4.37	7.09

Sonde Summary  
 TT310 - 5 feet  
 August 2005

Date m/d/y	Time hh:mm:ss	Temp °C	SpCond uS/cm	DO mg/L	pH s.u.
8/16/2005	15:47:00	31.16	204	5.03	7.16
8/16/2005	16:02:00	31.00	205	4.33	7.08
8/16/2005	16:17:00	31.18	204	5.10	7.16
8/16/2005	16:32:00	31.09	204	4.53	7.10
8/16/2005	16:47:00	31.13	203	4.78	7.13
8/16/2005	17:02:00	31.13	203	4.85	7.14
8/16/2005	17:17:00	31.26	203	5.02	7.16
8/16/2005	17:32:00	31.24	203	5.12	7.17
8/16/2005	17:47:00	31.15	204	4.64	7.12
8/16/2005	18:02:00	31.20	204	4.81	7.13
8/16/2005	18:17:00	31.22	204	4.96	7.15
8/16/2005	18:32:00	31.11	204	4.70	7.12
8/16/2005	18:47:00	31.39	202	5.59	7.22
8/16/2005	19:02:00	31.22	202	5.08	7.16
8/16/2005	19:17:00	31.19	202	4.82	7.13
8/16/2005	19:32:00	31.17	202	4.76	7.12
8/16/2005	19:47:00	31.08	203	4.49	7.10
8/16/2005	20:02:00	31.21	201	5.09	7.16
8/16/2005	20:17:00	31.15	201	4.71	7.11
8/16/2005	20:32:00	31.32	201	5.10	7.16
8/16/2005	20:47:00	31.29	200	5.10	7.16
8/16/2005	21:02:00	31.16	200	4.83	7.13
8/16/2005	21:17:00	31.11	200	4.57	7.10
8/16/2005	21:32:00	31.13	199	4.58	7.10
8/16/2005	21:47:00	31.20	198	4.84	7.13
8/16/2005	22:02:00	31.19	200	4.80	7.12
8/16/2005	22:17:00	31.28	200	5.09	7.16
8/16/2005	22:32:00	31.28	199	4.94	7.15
8/16/2005	22:47:00	31.20	197	4.88	7.14
8/16/2005	23:02:00	31.18	198	5.00	7.15
8/16/2005	23:17:00	31.15	197	4.71	7.12
8/16/2005	23:32:00	31.23	197	4.90	7.14
8/16/2005	23:47:00	31.37	197	5.44	7.21
8/17/2005	0:02:00	31.40	195	5.49	7.22
8/17/2005	0:17:00	31.32	196	5.21	7.18
8/17/2005	0:32:00	31.27	196	4.96	7.15
8/17/2005	0:47:00	31.28	197	5.03	7.15
8/17/2005	1:02:00	31.27	194	5.05	7.15
8/17/2005	1:17:00	31.40	195	5.21	7.18
8/17/2005	1:32:00	31.57	195	6.24	7.34
8/17/2005	1:47:00	31.51	195	6.07	7.31
8/17/2005	2:02:00	31.49	196	6.16	7.33
8/17/2005	2:17:00	31.52	196	6.22	7.36
8/17/2005	2:32:00	31.54	195	6.35	7.38
8/17/2005	2:47:00	31.58	196	6.51	7.41
8/17/2005	3:02:00	31.61	196	6.58	7.44

Sonde Summary  
 TT310 - 5 feet  
 August 2005

Date m/d/y	Time hh:mm:ss	Temp °C	SpCond uS/cm	DO mg/L	pH s.u.
8/17/2005	3:17:00	31.61	196	6.53	7.44
8/17/2005	3:32:00	31.64	195	6.41	7.40
8/17/2005	3:47:00	31.60	196	6.44	7.40
8/17/2005	4:02:00	31.56	197	6.38	7.40
8/17/2005	4:17:00	31.60	200	6.30	7.38
8/17/2005	4:32:00	31.61	197	6.34	7.41
8/17/2005	4:47:00	31.59	198	6.26	7.37
8/17/2005	5:02:00	31.56	199	6.23	7.37
8/17/2005	5:17:00	31.57	198	6.25	7.37
8/17/2005	5:32:00	31.56	198	6.20	7.36
8/17/2005	5:47:00	31.59	196	6.18	7.37
8/17/2005	6:02:00	31.52	197	6.16	7.36
8/17/2005	6:17:00	31.58	194	6.54	7.44
8/17/2005	6:32:00	31.53	194	6.15	7.35
8/17/2005	6:47:00	31.54	194	6.12	7.35
8/17/2005	7:02:00	31.54	194	6.41	7.41
8/17/2005	7:17:00	31.40	194	5.43	7.21
8/17/2005	7:32:00	31.34	195	4.87	7.15
8/17/2005	7:47:00	31.20	195	4.50	7.10
8/17/2005	8:02:00	31.22	195	5.10	7.19
8/17/2005	8:17:00	31.39	194	5.76	7.26
8/17/2005	8:32:00	31.27	195	4.90	7.15
8/17/2005	8:47:00	31.27	194	5.40	7.23
8/17/2005	9:02:00	31.25	193	4.85	7.15
8/17/2005	9:17:00	31.24	194	4.78	7.14
8/17/2005	9:32:00	31.24	193	4.73	7.13
<b>MAX</b>		31.64	212.00	6.58	7.44
<b>MIN</b>		30.91	193.00	4.20	7.07
<b>AVG</b>		31.15	203.49	5.03	7.17

Sonde Summary  
 TT310 - Lower Layer  
 August 2005

Date m/d/y	Time hh:mm:ss	Temp °C	SpCond uS/cm	DO mg/L	pH s.u.	Turbidity NTU
8/15/2005	17:17:00	30.83	220	4.72	6.51	18.5
8/15/2005	17:32:00	30.83	220	4.62	6.63	18.3
8/15/2005	17:46:59	30.82	221	4.47	6.69	18.7
8/15/2005	18:02:00	30.80	220	4.37	6.72	19.2
8/15/2005	18:17:00	30.79	220	4.31	6.71	20.6
8/15/2005	18:31:59	30.79	221	4.22	6.70	19.2
8/15/2005	18:46:59	30.77	221	4.13	6.70	18.6
8/15/2005	19:02:00	30.77	221	4.16	6.69	20.2
8/15/2005	19:17:00	30.80	220	4.23	6.66	24.8
8/15/2005	19:31:59	30.80	220	4.36	6.60	20.8
8/15/2005	19:47:00	30.78	220	4.30	6.66	17.2
8/15/2005	20:02:00	30.79	220	4.25	6.69	20.5
8/15/2005	20:16:59	30.83	219	4.29	6.66	26.3
8/15/2005	20:31:59	30.84	219	4.32	6.69	25.9
8/15/2005	20:47:00	30.82	219	4.27	6.67	20.3
8/15/2005	21:02:00	30.80	219	4.18	6.69	21.1
8/15/2005	21:16:59	30.78	220	4.06	6.68	21.3
8/15/2005	21:32:00	30.79	219	4.06	6.70	19.5
8/15/2005	21:47:00	30.85	219	4.16	6.68	15.6
8/15/2005	22:01:59	30.83	219	4.19	6.69	16.4
8/15/2005	22:16:59	30.79	219	4.13	6.69	16.6
8/15/2005	22:32:00	30.82	219	4.13	6.71	16.5
8/15/2005	22:47:00	30.75	219	3.95	6.70	17.0
8/15/2005	23:01:59	30.75	219	3.79	6.67	18.0
8/15/2005	23:17:00	30.76	219	3.74	6.69	18.9
8/15/2005	23:32:00	30.76	220	3.61	6.70	15.6
8/15/2005	23:46:59	30.75	220	3.69	6.69	15.5
8/16/2005	0:02:00	30.72	220	3.59	6.67	18.0
8/16/2005	0:17:00	30.73	220	3.35	6.69	17.8
8/16/2005	0:32:00	30.71	220	3.41	6.63	17.2
8/16/2005	0:46:59	30.71	221	3.35	6.66	17.6
8/16/2005	1:02:00	30.70	220	3.37	6.66	17.7
8/16/2005	1:17:00	30.73	220	3.42	6.68	17.0
8/16/2005	1:31:59	30.73	220	3.48	6.67	16.6
8/16/2005	1:47:00	30.73	219	3.64	6.68	16.6
8/16/2005	2:02:00	30.74	219	3.49	6.67	16.1
8/16/2005	2:16:59	30.74	219	3.52	6.68	17.2
8/16/2005	2:32:00	30.73	219	3.46	6.68	15.5
8/16/2005	2:47:00	30.71	219	3.43	6.67	15.6
8/16/2005	3:02:00	30.73	219	3.43	6.65	15.5
8/16/2005	3:16:59	30.74	219	3.51	6.63	16.1
8/16/2005	3:32:00	30.72	219	3.48	6.66	15.8
8/16/2005	3:47:00	30.71	219	3.41	6.66	16.2
8/16/2005	4:01:59	30.66	219	3.18	6.63	17.1

Sonde Summary  
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 August 2005

Date m/d/y	Time hh:mm:ss	Temp °C	SpCond uS/cm	DO mg/L	pH s.u.	Turbidity NTU
8/16/2005	4:17:00	30.67	219	3.11	6.66	15.5
8/16/2005	4:32:00	30.66	219	2.87	6.63	14.8
8/16/2005	4:47:00	30.69	219	2.98	6.65	14.2
8/16/2005	5:01:59	30.62	218	3.03	6.61	16.2
8/16/2005	5:17:00	30.64	218	3.43	6.56	16.3
8/16/2005	5:32:00	30.64	218	3.44	6.59	15.5
8/16/2005	5:46:59	30.66	218	3.41	6.59	15.6
8/16/2005	6:02:00	30.65	218	3.28	6.61	18.3
8/16/2005	6:17:00	30.64	218	3.39	6.54	17.6
8/16/2005	6:31:59	30.65	218	3.51	6.56	15.8
8/16/2005	6:46:59	30.68	218	3.52	6.64	16.1
8/16/2005	7:02:00	30.70	217	3.40	6.62	17.5
8/16/2005	7:17:00	30.70	218	3.39	6.62	17.5
8/16/2005	7:31:59	30.69	217	3.39	6.58	15.5
8/16/2005	7:47:00	30.66	217	3.38	6.59	15.2
8/16/2005	8:02:00	30.68	217	3.34	6.64	16.6
8/16/2005	8:16:59	30.77	216	3.59	6.66	24.0
8/16/2005	8:32:00	30.74	216	3.49	6.66	23.4
8/16/2005	8:47:00	30.68	216	3.18	6.60	19.1
8/16/2005	9:02:00	30.58	215	3.10	6.59	17.8
8/16/2005	9:16:59	30.56	215	3.05	6.56	16.3
8/16/2005	9:32:00	30.60	216	3.17	6.55	16.3
8/16/2005	9:47:00	30.63	217	3.12	6.58	17.7
8/16/2005	10:01:59	30.67	218	3.21	6.63	16.4
8/16/2005	10:17:00	30.69	218	3.29	6.58	17.5
8/16/2005	10:32:00	30.70	218	3.36	6.56	16.6
8/16/2005	10:46:59	30.70	217	3.31	6.59	16.6
8/16/2005	11:02:00	30.70	217	3.36	6.62	18.3
8/16/2005	11:17:00	30.66	217	3.16	6.58	18.1
8/16/2005	11:32:00	30.71	217	3.39	6.58	15.8
8/16/2005	11:46:59	30.65	216	3.15	6.57	18.1
8/16/2005	12:02:00	30.71	215	3.62	6.59	16.0
8/16/2005	12:17:00	30.72	213	3.56	6.62	15.9
8/16/2005	12:31:59	30.69	213	3.40	6.64	14.9
8/16/2005	12:47:00	30.63	212	3.31	6.64	15.8
8/16/2005	13:02:00	30.71	213	3.57	6.59	15.1
8/16/2005	13:16:59	30.72	212	3.55	6.58	16.2
8/16/2005	13:31:59	30.73	212	3.59	6.60	16.9
8/16/2005	13:47:00	30.71	213	3.46	6.62	17.8
8/16/2005	14:02:00	30.75	212	3.50	6.58	17.0
8/16/2005	14:16:59	30.71	212	3.42	6.61	16.1
8/16/2005	14:32:00	30.67	211	3.38	6.59	14.5
8/16/2005	14:47:00	30.66	212	3.27	6.64	15.1
8/16/2005	15:01:59	30.76	212	3.47	6.60	19.1
8/16/2005	15:17:00	30.75	211	3.57	6.61	19.2
8/16/2005	15:32:00	30.75	212	3.60	6.59	16.2



Sonde Summary  
 TT310 - Lower Layer  
 August 2005

Date m/d/y	Time hh:mm:ss	Temp °C	SpCond uS/cm	DO mg/L	pH s.u.	Turbidity NTU
8/16/2005	15:46:59	30.87	212	4.01	6.62	20.7
8/16/2005	16:01:59	30.61	210	3.26	6.57	18.8
8/16/2005	16:17:00	30.79	212	3.65	6.63	21.2
8/16/2005	16:32:00	30.66	211	3.25	6.61	19.4
8/16/2005	16:46:59	30.68	211	3.19	6.61	18.8
8/16/2005	17:02:00	30.79	212	3.60	6.61	25.3
8/16/2005	17:17:00	30.87	212	3.87	6.61	22.0
8/16/2005	17:31:59	30.89	212	3.95	6.62	22.2
8/16/2005	17:47:00	30.75	212	3.39	6.62	19.4
8/16/2005	18:02:00	30.73	211	3.43	6.55	21.3
8/16/2005	18:17:00	30.80	212	3.59	6.57	21.5
8/16/2005	18:31:59	30.75	212	3.43	6.56	21.9
8/16/2005	18:47:00	30.79	213	3.57	6.63	22.2
8/16/2005	19:02:00	30.74	213	3.38	6.57	20.3
8/16/2005	19:16:59	30.72	213	3.33	6.60	19.8
8/16/2005	19:32:00	30.69	213	3.22	6.55	20.3
8/16/2005	19:47:00	30.72	213	3.42	6.57	20.8
8/16/2005	20:01:59	30.75	213	3.42	6.59	19.8
8/16/2005	20:16:59	30.78	212	3.50	6.57	18.5
8/16/2005	20:32:00	30.78	212	3.52	6.60	20.1
8/16/2005	20:47:00	30.90	211	4.05	6.64	17.2
8/16/2005	21:01:59	30.86	211	3.83	6.65	16.9
8/16/2005	21:17:00	30.80	213	3.50	6.63	19.2
8/16/2005	21:32:00	30.77	214	3.29	6.65	18.2
8/16/2005	21:46:59	30.94	210	4.06	6.67	15.0
8/16/2005	22:02:00	30.95	207	4.15	6.65	14.3
8/16/2005	22:17:00	31.01	210	4.37	6.66	15.2
8/16/2005	22:32:00	30.78	209	3.73	6.62	16.2
8/16/2005	22:46:59	30.89	207	3.98	6.65	14.2
8/16/2005	23:02:00	30.91	207	4.07	6.69	14.6
8/16/2005	23:17:00	30.94	208	4.11	6.69	14.4
8/16/2005	23:31:59	30.95	207	4.21	6.66	15.1
8/16/2005	23:47:00	30.88	210	3.87	6.67	15.3
8/17/2005	0:02:00	30.96	209	4.00	6.71	15.1
8/17/2005	0:16:59	30.86	212	3.75	6.69	16.2
8/17/2005	0:31:59	30.92	211	3.87	6.66	15.5
8/17/2005	0:47:00	30.88	211	3.83	6.64	14.7
8/17/2005	1:02:00	30.96	209	4.11	6.63	13.9
8/17/2005	1:16:59	30.87	210	3.99	6.65	14.3
8/17/2005	1:32:00	30.94	207	4.05	6.62	14.1
8/17/2005	1:47:00	30.83	211	3.72	6.60	14.5
8/17/2005	2:01:59	30.83	210	3.68	6.62	14.8
8/17/2005	2:17:00	30.84	208	3.67	6.65	14.9
8/17/2005	2:32:00	30.82	210	3.58	6.64	15.3
8/17/2005	2:46:59	30.81	210	3.49	6.64	15.5
8/17/2005	3:01:59	30.81	210	3.48	6.66	14.5

Sonde Summary  
 TT310 - Lower Layer  
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Date m/d/y	Time hh:mm:ss	Temp °C	SpCond uS/cm	DO mg/L	pH s.u.	Turbidity NTU
8/17/2005	3:17:00	30.83	208	3.56	6.62	14.0
8/17/2005	3:32:00	30.92	206	3.85	6.67	13.0
8/17/2005	3:46:59	30.95	206	3.92	6.67	13.5
8/17/2005	4:02:00	30.98	207	3.97	6.67	13.3
8/17/2005	4:17:00	31.03	204	4.13	6.68	13.9
8/17/2005	4:31:59	30.96	205	3.97	6.66	13.9
8/17/2005	4:47:00	30.95	206	3.94	6.67	13.9
8/17/2005	5:02:00	30.85	209	3.64	6.63	14.2
8/17/2005	5:16:59	30.98	207	3.89	6.68	14.2
8/17/2005	5:31:59	30.94	208	3.73	6.68	14.0
8/17/2005	5:47:00	30.88	206	3.57	6.66	14.5
8/17/2005	6:02:00	30.83	209	3.26	6.65	22.5
8/17/2005	6:16:59	30.80	210	3.26	6.58	14.8
8/17/2005	6:32:00	30.84	208	3.34	6.63	14.8
8/17/2005	6:47:00	30.83	209	3.36	6.62	14.7
8/17/2005	7:01:59	30.85	208	3.37	6.64	14.0
8/17/2005	7:17:00	30.81	207	3.26	6.60	14.5
8/17/2005	7:32:00	30.79	210	3.14	6.61	13.8
8/17/2005	7:47:00	30.74	209	3.04	6.51	15.8
8/17/2005	8:01:59	31.38	201	5.78	6.82	13.0
8/17/2005	8:17:00	30.83	207	3.45	6.60	13.9
8/17/2005	8:32:00	31.00	203	4.04	6.58	13.6
8/17/2005	8:46:59	31.16	203	4.68	6.69	14.2
8/17/2005	9:02:00	30.88	207	3.53	6.62	19.8
8/17/2005	9:17:00	31.01	205	4.06	6.61	16.2
8/17/2005	9:31:59	31.02	203	4.07	6.64	17.0
<b>MAX</b>		31.38	221.00	5.78	6.82	26.30
<b>MIN</b>		30.56	201.00	2.87	6.51	13.00
<b>AVG</b>		30.79	213.88	3.66	6.63	17.15

Sonde Summary  
 TT307 - 1 Foot  
 August 2005

Date m/d/y	Time hh:mm:ss	Temp °C	SpCond uS/cm	DO mg/L	pH s.u.	Turbidity NTU
8/15/2005	19:16:59	33.52	301	8.68	8.20	9.8
8/15/2005	19:32:00	33.18	302	8.28	7.98	9.9
8/15/2005	19:47:00	33.18	301	8.14	7.92	9.7
8/15/2005	20:01:59	33.07	301	8.00	7.89	10.2
8/15/2005	20:17:00	32.53	301	7.91	7.74	10.6
8/15/2005	20:31:59	32.86	300	8.02	7.81	10.0
8/15/2005	20:47:00	32.64	301	7.93	7.77	10.0
8/15/2005	21:02:00	32.35	301	7.36	7.58	10.4
8/15/2005	21:16:59	32.36	300	7.29	7.56	10.3
8/15/2005	21:32:00	33.09	299	8.10	8.01	9.7
8/15/2005	21:47:00	32.49	300	7.49	7.62	10.0
8/15/2005	22:02:00	32.32	300	7.31	7.58	10.2
8/15/2005	22:16:59	32.85	299	7.71	7.82	10.0
8/15/2005	22:32:00	32.90	299	8.01	7.97	9.8
8/15/2005	22:46:59	32.79	299	7.23	7.84	9.8
8/15/2005	23:02:00	32.75	299	7.78	7.87	9.5
8/15/2005	23:17:00	32.73	299	7.72	7.86	9.3
8/15/2005	23:31:59	32.72	299	7.71	7.84	9.5
8/15/2005	23:47:00	32.69	298	7.67	7.78	10.4
8/16/2005	0:02:00	32.58	297	7.56	7.74	10.9
8/16/2005	0:16:59	32.68	297	7.46	7.70	11.2
8/16/2005	0:32:00	32.58	296	7.54	7.66	11.0
8/16/2005	0:47:00	32.38	297	7.27	7.55	10.8
8/16/2005	1:01:59	32.20	297	6.95	7.54	10.0
8/16/2005	1:16:59	31.94	297	6.46	7.40	10.0
8/16/2005	1:31:59	32.03	298	6.95	7.48	10.0
8/16/2005	1:47:00	32.01	298	7.00	7.52	9.7
8/16/2005	2:02:00	32.01	297	7.01	7.50	10.5
8/16/2005	2:16:59	31.99	297	6.95	7.50	10.4
8/16/2005	2:31:59	31.96	296	6.88	7.47	10.8
8/16/2005	2:47:00	31.95	296	6.71	7.43	10.8
8/16/2005	3:02:00	31.93	296	6.70	7.44	11.0
8/16/2005	3:16:59	31.87	296	6.71	7.44	10.8
8/16/2005	3:32:00	31.85	296	6.69	7.43	10.8
8/16/2005	3:47:00	31.81	296	6.51	7.38	11.7
8/16/2005	4:01:59	31.76	297	6.69	7.44	10.1
8/16/2005	4:17:00	31.73	297	6.59	7.42	10.4
8/16/2005	4:32:00	31.67	297	6.52	7.42	9.6
8/16/2005	4:46:59	31.62	297	6.49	7.41	9.5
8/16/2005	5:01:59	31.59	297	6.43	7.38	9.5
8/16/2005	5:17:00	31.54	297	6.43	7.40	9.4
8/16/2005	5:32:00	31.45	297	6.47	7.40	9.0
8/16/2005	5:46:59	31.40	296	6.49	7.40	8.7
8/16/2005	6:02:00	31.37	296	6.50	7.39	8.7

Sonde Summary  
TT307 - 1 Foot  
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Date m/d/y	Time hh:mm:ss	Temp °C	SpCond uS/cm	DO mg/L	pH s.u.	Turbidity NTU
8/16/2005	6:17:00	31.33	296	6.42	7.37	8.7
8/16/2005	6:31:59	31.28	295	6.32	7.33	8.9
8/16/2005	6:47:00	31.26	295	6.33	7.35	8.9
8/16/2005	7:02:00	31.23	295	6.26	7.33	8.7
8/16/2005	7:16:59	31.22	295	6.32	7.33	8.7
8/16/2005	7:31:59	31.20	294	6.29	7.33	8.9
8/16/2005	7:47:00	31.18	294	6.36	7.34	8.7
8/16/2005	8:02:00	31.19	294	6.39	7.34	8.9
8/16/2005	8:16:59	31.20	294	6.42	7.34	8.6
8/16/2005	8:32:00	31.22	293	6.51	7.36	8.6
8/16/2005	8:47:00	31.23	293	6.38	7.33	8.9
8/16/2005	9:01:59	31.27	293	6.56	7.36	8.7
8/16/2005	9:17:00	31.31	293	6.69	7.40	8.8
8/16/2005	9:32:00	31.35	293	6.89	7.43	8.7
8/16/2005	9:46:59	31.41	293	7.03	7.46	8.9
8/16/2005	10:01:59	31.38	293	6.95	7.45	9.0
8/16/2005	10:17:00	31.42	293	6.64	7.48	9.0
8/16/2005	10:32:00	31.47	293	6.94	7.57	9.0
8/16/2005	10:46:59	31.44	293	7.35	7.52	9.2
8/16/2005	11:02:00	31.45	293	7.19	7.50	9.0
8/16/2005	11:17:00	31.41	293	7.11	7.44	8.9
8/16/2005	11:31:59	31.59	293	7.73	7.72	9.0
8/16/2005	11:47:00	31.53	293	7.50	7.56	10.3
8/16/2005	12:01:59	31.45	293	6.74	7.39	10.0
8/16/2005	12:17:00	31.48	293	6.84	7.40	10.1
8/16/2005	12:32:00	31.61	293	6.97	7.43	10.1
8/16/2005	12:46:59	31.63	292	7.46	7.55	9.7
8/16/2005	13:02:00	31.55	292	7.44	7.51	9.9
8/16/2005	13:17:00	32.13	292	8.15	7.79	10.1
8/16/2005	13:31:59	32.43	293	8.84	8.17	9.7
8/16/2005	13:46:59	32.24	293	9.01	8.21	9.8
8/16/2005	14:02:00	32.09	293	8.99	8.22	9.6
8/16/2005	14:17:00	31.85	293	8.34	7.92	9.4
8/16/2005	14:31:59	32.31	292	9.41	8.41	10.9
8/16/2005	14:46:59	32.25	292	9.61	8.48	10.6
8/16/2005	15:01:59	32.09	293	9.32	8.34	11.1
8/16/2005	15:17:00	32.03	292	9.25	8.33	9.5
8/16/2005	15:32:00	32.13	291	9.61	8.47	9.4
8/16/2005	15:46:59	31.94	292	9.04	8.19	10.0
8/16/2005	16:02:00	31.90	291	6.37	7.29	12.0
8/16/2005	16:17:00	31.63	290	6.55	7.29	11.2
8/16/2005	16:31:59	33.13	291	9.17	8.33	9.5
8/16/2005	16:47:00	31.84	291	7.98	7.67	10.2
8/16/2005	17:01:59	34.71	294	9.69	8.61	8.9
8/16/2005	17:17:00	33.69	294	9.77	8.57	9.7
8/16/2005	17:32:00	33.84	293	9.61	8.52	9.8

Sonde Summary  
 TT307 - 1 Foot  
 August 2005

Date m/d/y	Time hh:mm:ss	Temp °C	SpCond uS/cm	DO mg/L	pH s.u.	Turbidity NTU
8/16/2005	17:46:59	34.12	292	9.94	8.65	9.7
8/16/2005	18:02:00	33.49	292	9.89	8.58	10.8
8/16/2005	18:17:00	33.28	292	9.97	8.59	10.1
8/16/2005	18:31:59	33.83	292	10.00	8.65	9.4
8/16/2005	18:46:59	34.00	293	9.99	8.65	8.7
8/16/2005	19:02:00	33.97	293	9.84	8.63	9.5
8/16/2005	19:17:00	33.22	292	9.83	8.57	9.5
8/16/2005	19:31:59	33.18	292	9.80	8.57	9.2
8/16/2005	19:47:00	33.53	293	9.92	8.64	7.7
8/16/2005	20:02:00	33.68	292	9.66	8.55	8.5
8/16/2005	20:16:59	33.52	293	9.48	8.53	7.8
8/16/2005	20:32:00	33.59	291	9.11	8.31	8.9
8/16/2005	20:47:00	33.33	291	8.98	8.27	8.4
8/16/2005	21:01:59	33.72	293	9.35	8.58	7.5
8/16/2005	21:17:00	33.43	293	8.97	8.38	7.7
8/16/2005	21:31:59	33.55	293	8.92	8.42	7.8
8/16/2005	21:47:00	33.48	292	8.74	8.33	8.6
8/16/2005	22:02:00	33.42	292	8.64	8.31	8.6
8/16/2005	22:17:00	33.28	292	8.47	8.16	8.9
8/16/2005	22:31:59	33.16	292	8.44	8.13	8.4
8/16/2005	22:47:00	33.20	292	8.62	8.27	7.7
8/16/2005	23:02:00	33.06	292	8.43	8.16	7.9
8/16/2005	23:16:59	32.79	291	7.86	7.82	8.3
8/16/2005	23:32:00	32.77	292	7.90	7.84	8.5
8/16/2005	23:47:00	32.87	292	8.11	7.97	8.4
8/17/2005	0:01:59	32.88	292	8.19	8.04	8.0
8/17/2005	0:17:00	32.78	292	7.91	7.87	8.4
8/17/2005	0:32:00	32.74	292	7.91	7.91	8.4
8/17/2005	0:47:00	32.75	292	7.98	7.96	8.2
8/17/2005	1:01:59	32.63	292	7.85	7.87	8.4
8/17/2005	1:17:00	32.60	292	7.86	7.90	8.3
8/17/2005	1:32:00	32.64	293	7.85	7.92	8.4
8/17/2005	1:46:59	32.53	292	7.74	7.85	8.4
8/17/2005	2:02:00	32.48	292	7.75	7.84	8.2
8/17/2005	2:17:00	32.41	292	7.72	7.83	8.2
8/17/2005	2:31:59	32.34	292	7.66	7.82	8.0
8/17/2005	2:47:00	32.26	292	7.56	7.74	8.0
8/17/2005	3:02:00	32.20	292	7.55	7.75	7.9
8/17/2005	3:16:59	32.15	292	7.34	7.67	8.2
8/17/2005	3:31:59	32.14	293	7.25	7.68	7.9
8/17/2005	3:47:00	32.11	292	7.20	7.65	8.5
8/17/2005	4:02:00	32.05	292	7.03	7.56	8.6
8/17/2005	4:16:59	32.01	292	6.91	7.53	8.7
8/17/2005	4:32:00	31.96	292	6.96	7.54	8.4
8/17/2005	4:47:00	31.94	291	6.96	7.56	8.3
8/17/2005	5:01:59	31.93	291	6.89	7.52	8.4

Sonde Summary  
 TT307 - 1 Foot  
 August 2005

Date m/d/y	Time hh:mm:ss	Temp °C	SpCond uS/cm	DO mg/L	pH s.u.	Turbidity NTU
8/17/2005	5:17:00	31.91	291	6.73	7.46	9.0
8/17/2005	5:32:00	31.92	291	6.66	7.46	9.1
8/17/2005	5:46:59	31.89	291	6.73	7.45	9.3
8/17/2005	6:01:59	31.88	290	6.57	7.41	10.0
8/17/2005	6:17:00	31.85	290	6.56	7.41	9.8
8/17/2005	6:32:00	31.79	290	6.54	7.42	9.4
8/17/2005	6:46:59	31.76	290	6.50	7.41	9.7
8/17/2005	7:02:00	31.77	290	6.30	7.36	11.1
8/17/2005	7:17:00	31.77	290	6.36	7.38	10.6
8/17/2005	7:31:59	31.74	290	6.41	7.37	10.6
8/17/2005	7:47:00	31.75	290	6.41	7.39	10.6
8/17/2005	8:01:59	31.75	291	6.34	7.37	11.7
8/17/2005	8:17:00	31.77	291	6.42	7.39	11.3
8/17/2005	8:32:00	31.78	291	6.50	7.41	11.5
8/17/2005	8:46:59	31.88	291	6.94	7.53	8.9
8/17/2005	9:02:00	31.88	291	7.11	7.54	8.7
8/17/2005	9:17:00	31.88	290	6.89	7.48	9.9
8/17/2005	9:32:00	31.90	290	7.04	7.53	9.0
8/17/2005	9:46:59	31.97	290	7.19	7.57	8.7
8/17/2005	10:02:00	31.89	290	6.97	7.49	9.7
8/17/2005	10:17:00	31.96	290	7.12	7.54	9.2
8/17/2005	10:31:59	31.89	290	7.02	7.49	10.6
<b>MAX</b>		34.71	302.00	10.00	8.65	12.00
<b>MIN</b>		31.18	290.00	6.26	7.29	7.50
<b>AVG</b>		32.27	293.78	7.60	7.76	9.43

Sonde Summary  
 TT307 - 5 feet  
 August 2005

Date m/d/y	Time hh:mm:ss	Temp °C	SpCond uS/cm	DO mg/L	pH s.u.	Turbidity NTU
8/15/2005	19:32:00	30.92	212	5.52	6.90	11.2
8/15/2005	19:46:59	30.87	212	5.51	6.92	11.9
8/15/2005	20:02:00	30.82	211	5.06	6.86	12.6
8/15/2005	20:17:00	30.75	211	5.05	6.89	12.0
8/15/2005	20:31:59	30.77	210	4.66	6.83	13.0
8/15/2005	20:47:00	30.83	210	4.71	6.83	12.5
8/15/2005	21:02:00	30.93	211	4.88	6.86	12.4
8/15/2005	21:17:00	30.85	211	4.83	6.83	12.3
8/15/2005	21:31:59	31.31	211	5.48	6.89	11.8
8/15/2005	21:47:00	31.25	211	5.36	6.91	11.9
8/15/2005	22:01:59	31.01	211	5.30	6.89	11.7
8/15/2005	22:17:00	31.09	211	5.29	6.88	11.4
8/15/2005	22:32:00	31.09	212	5.37	6.89	11.5
8/15/2005	22:46:59	31.07	212	5.27	6.91	11.4
8/15/2005	23:02:00	30.96	212	5.21	6.86	11.6
8/15/2005	23:17:00	30.87	211	4.94	6.86	11.9
8/15/2005	23:31:59	30.87	211	4.82	6.82	12.3
8/15/2005	23:47:00	30.94	210	4.75	6.82	12.9
8/16/2005	0:02:00	30.85	211	4.72	6.82	12.6
8/16/2005	0:16:59	30.87	211	4.73	6.83	12.6
8/16/2005	0:31:59	30.96	211	4.93	6.79	12.6
8/16/2005	0:47:00	30.87	211	4.92	6.80	12.1
8/16/2005	1:02:00	30.84	211	4.92	6.80	11.5
8/16/2005	1:16:59	30.84	211	5.03	6.83	10.6
8/16/2005	1:32:00	30.84	211	4.99	6.84	10.6
8/16/2005	1:47:00	30.82	210	4.94	6.82	10.8
8/16/2005	2:01:59	31.00	211	5.24	6.86	10.9
8/16/2005	2:17:00	30.95	211	5.12	6.86	10.8
8/16/2005	2:32:00	30.97	211	5.12	6.85	11.2
8/16/2005	2:46:59	31.02	211	5.03	6.83	11.9
8/16/2005	3:01:59	30.94	211	5.01	6.82	12.5
8/16/2005	3:17:00	30.85	210	4.89	6.83	11.0
8/16/2005	3:31:59	30.88	210	4.85	6.81	10.6
8/16/2005	3:47:00	30.90	210	4.99	6.83	10.7
8/16/2005	4:01:59	30.89	210	4.88	6.83	10.3
8/16/2005	4:16:59	30.88	210	4.83	6.85	10.3
8/16/2005	4:32:00	30.86	210	4.74	6.84	10.3
8/16/2005	4:47:00	30.83	210	4.62	6.84	10.3
8/16/2005	5:01:59	30.83	211	4.65	6.82	10.0
8/16/2005	5:17:00	30.78	210	4.54	6.82	10.1
8/16/2005	5:32:00	30.74	210	4.41	6.77	10.1
8/16/2005	5:46:59	30.74	211	4.38	6.80	10.3
8/16/2005	6:02:00	30.74	210	4.35	6.80	10.0
8/16/2005	6:17:00	30.75	210	4.38	6.79	10.2

Sonde Summary  
 TT307 - 5 feet  
 August 2005

Date m/d/y	Time hh:mm:ss	Temp °C	SpCond uS/cm	DO mg/L	pH s.u.	Turbidity NTU
8/16/2005	6:31:59	30.78	210	4.51	6.80	10.3
8/16/2005	6:46:59	30.81	210	4.55	6.80	9.9
8/16/2005	7:02:00	30.80	210	4.51	6.79	9.9
8/16/2005	7:17:00	30.80	210	4.50	6.79	9.6
8/16/2005	7:31:59	30.80	210	4.57	6.79	9.7
8/16/2005	7:47:00	30.86	210	4.91	6.81	9.3
8/16/2005	8:02:00	30.86	210	5.07	6.80	9.6
8/16/2005	8:16:59	30.93	209	4.91	6.84	9.4
8/16/2005	8:32:00	30.89	209	5.52	6.91	9.2
8/16/2005	8:47:00	30.82	210	4.58	6.79	9.6
8/16/2005	9:01:59	30.81	210	4.53	6.79	9.6
8/16/2005	9:16:59	30.83	210	4.54	6.78	9.2
8/16/2005	9:32:00	30.85	210	4.63	6.79	9.2
8/16/2005	9:47:00	30.88	210	4.76	6.79	9.1
8/16/2005	10:01:59	30.91	210	4.77	6.82	9.4
8/16/2005	10:17:00	30.86	211	4.58	6.81	9.4
8/16/2005	10:32:00	30.89	211	4.68	6.81	9.2
8/16/2005	10:46:59	30.91	211	4.93	6.79	9.2
8/16/2005	11:02:00	30.85	211	4.66	6.76	9.2
8/16/2005	11:17:00	30.92	210	5.01	6.79	9.2
8/16/2005	11:31:59	30.89	211	4.79	6.79	9.7
8/16/2005	11:46:59	30.89	211	4.98	6.80	9.6
8/16/2005	12:02:00	30.68	210	4.12	6.72	10.1
8/16/2005	12:17:00	30.78	210	4.38	6.76	9.7
8/16/2005	12:31:59	30.94	210	5.11	6.86	10.2
8/16/2005	12:47:00	30.84	209	4.76	6.74	9.9
8/16/2005	13:02:00	30.81	209	4.71	6.77	10.1
8/16/2005	13:16:59	31.03	210	5.46	6.88	9.9
8/16/2005	13:32:00	30.96	209	5.49	6.89	9.5
8/16/2005	13:47:00	30.89	209	5.54	6.90	10.1
8/16/2005	14:01:59	31.01	209	5.77	6.94	9.9
8/16/2005	14:17:00	30.77	210	4.70	6.82	10.3
8/16/2005	14:32:00	30.87	210	5.25	6.87	10.0
8/16/2005	14:47:00	30.81	210	4.71	6.83	10.6
8/16/2005	15:01:59	30.81	209	4.73	6.78	10.3
8/16/2005	15:17:00	30.73	207	4.61	6.74	11.3
8/16/2005	15:31:59	30.85	205	4.65	6.75	11.4
8/16/2005	15:47:00	30.87	207	5.18	6.81	11.3
8/16/2005	16:02:00	30.72	207	4.48	6.76	11.6
8/16/2005	16:16:59	30.80	209	4.63	6.79	13.1
8/16/2005	16:32:00	31.27	208	6.43	6.97	11.3
8/16/2005	16:47:00	31.13	207	6.20	6.97	11.2
8/16/2005	17:01:59	31.23	207	6.66	7.01	10.3
8/16/2005	17:17:00	31.21	209	6.05	6.95	10.3
8/16/2005	17:32:00	31.78	209	8.64	7.59	9.8
8/16/2005	17:46:59	31.70	209	7.89	7.34	10.0



Sonde Summary  
 TT307 - 5 feet  
 August 2005

Date m/d/y	Time hh:mm:ss	Temp °C	SpCond uS/cm	DO mg/L	pH s.u.	Turbidity NTU
8/16/2005	18:01:59	31.20	208	6.20	7.06	10.4
8/16/2005	18:17:00	31.47	208	6.61	7.08	10.3
8/16/2005	18:32:00	31.58	207	7.75	7.36	9.8
8/16/2005	18:46:59	31.32	208	6.79	7.08	9.9
8/16/2005	19:02:00	31.20	207	6.36	7.01	10.1
8/16/2005	19:17:00	31.96	208	8.09	7.40	8.6
8/16/2005	19:31:59	31.14	207	5.86	6.93	10.1
8/16/2005	19:47:00	31.35	207	7.12	7.10	9.4
8/16/2005	20:02:00	31.11	206	5.99	6.94	10.2
8/16/2005	20:16:59	31.19	207	6.01	6.94	9.8
8/16/2005	20:31:59	31.35	209	6.78	7.03	9.0
8/16/2005	20:47:00	31.41	209	6.92	7.11	8.7
8/16/2005	21:02:00	31.35	211	6.84	7.12	8.0
8/16/2005	21:16:59	31.43	208	6.91	7.16	8.4
8/16/2005	21:32:00	31.41	206	6.33	6.98	9.4
8/16/2005	21:47:00	31.53	207	6.93	7.10	8.7
8/16/2005	22:01:59	31.56	211	7.44	7.25	7.3
8/16/2005	22:17:00	31.66	209	7.18	7.24	8.9
8/16/2005	22:32:00	31.48	208	6.81	7.09	8.9
8/16/2005	22:46:59	31.39	206	6.19	6.99	9.7
8/16/2005	23:02:00	31.45	206	5.80	6.92	10.3
8/16/2005	23:17:00	31.55	206	6.30	7.04	9.8
8/16/2005	23:32:00	31.65	207	6.37	7.01	9.4
8/16/2005	23:46:59	31.51	207	6.34	7.04	9.5
8/17/2005	0:02:00	31.77	207	6.55	7.03	9.9
8/17/2005	0:17:00	31.68	207	6.40	7.03	9.7
8/17/2005	0:31:59	31.64	207	6.40	7.03	9.8
8/17/2005	0:47:00	31.82	207	6.99	7.13	9.2
8/17/2005	1:02:00	32.36	209	7.81	7.41	8.6
8/17/2005	1:16:59	32.02	208	7.16	7.15	9.1
8/17/2005	1:32:00	32.35	210	7.89	7.57	8.7
8/17/2005	1:47:00	32.19	209	7.41	7.31	9.6
8/17/2005	2:02:00	32.13	209	7.53	7.31	9.3
8/17/2005	2:16:59	31.84	208	6.98	7.19	9.2
8/17/2005	2:32:00	31.98	209	7.20	7.24	8.7
8/17/2005	2:47:00	32.01	210	7.50	7.41	8.4
8/17/2005	3:01:59	31.98	210	7.45	7.41	8.2
8/17/2005	3:17:00	31.93	211	7.38	7.43	8.5
8/17/2005	3:32:00	31.81	209	7.07	7.28	9.0
8/17/2005	3:46:59	31.86	209	6.93	7.24	9.1
8/17/2005	4:02:00	31.78	208	7.05	7.28	8.9
8/17/2005	4:17:00	31.76	208	6.97	7.25	8.9
8/17/2005	4:32:00	31.75	209	7.06	7.28	8.7
8/17/2005	4:46:59	31.70	208	6.98	7.27	8.7
8/17/2005	5:02:00	31.69	208	6.83	7.23	8.9
8/17/2005	5:17:00	31.67	208	6.74	7.20	9.2

Sonde Summary  
 TT307 - 5 feet  
 August 2005

Date m/d/y	Time hh:mm:ss	Temp °C	SpCond uS/cm	DO mg/L	pH s.u.	Turbidity NTU
8/17/2005	5:31:59	31.67	208	6.68	7.18	9.4
8/17/2005	5:47:00	31.68	208	6.70	7.19	9.7
8/17/2005	6:02:00	31.66	208	6.65	7.15	10.3
8/17/2005	6:16:59	31.63	208	6.65	7.17	10.1
8/17/2005	6:32:00	31.60	208	6.63	7.16	9.8
8/17/2005	6:47:00	31.57	208	6.49	7.14	10.2
8/17/2005	7:02:00	31.55	208	6.50	7.15	10.9
8/17/2005	7:16:59	31.56	208	6.35	7.13	11.2
8/17/2005	7:32:00	31.55	209	6.43	7.14	11.2
8/17/2005	7:47:00	31.55	209	6.54	7.17	10.7
8/17/2005	8:01:59	31.54	209	6.35	7.08	12.5
8/17/2005	8:17:00	31.53	209	6.34	7.09	12.3
8/17/2005	8:32:00	31.54	209	6.32	7.10	11.3
8/17/2005	8:46:59	31.49	208	6.46	7.10	10.0
8/17/2005	9:02:00	31.52	208	6.48	7.08	11.1
8/17/2005	9:17:00	31.54	209	6.57	7.10	10.9
8/17/2005	9:32:00	31.51	209	6.46	7.12	10.9
8/17/2005	9:46:59	31.38	207	5.92	6.96	11.5
8/17/2005	10:02:00	31.53	208	6.45	7.07	10.6
8/17/2005	10:17:00	31.46	207	6.36	7.08	10.4
8/17/2005	10:31:59	31.51	207	6.32	7.07	10.7
<b>MAX</b>		32.36	212.00	8.64	7.59	13.10
<b>MIN</b>		30.68	205.00	4.12	6.72	7.30
<b>AVG</b>		31.21	209.23	5.76	6.98	10.26

Sonde Summary  
 TT307 - Lower Layer  
 August 2005

Date m/d/y	Time hh:mm:ss	Temp °C	SpCond uS/cm	DO mg/L	pH s.u.	Turbidity NTU
8/15/2005	19:17:00	30.47	212	4.09	7.30	12.0
8/15/2005	19:31:59	30.42	212	3.92	6.93	12.4
8/15/2005	19:47:00	30.46	211	3.93	6.94	13.1
8/15/2005	20:02:00	30.46	211	3.91	6.93	12.7
8/15/2005	20:17:00	30.41	210	3.78	6.92	14.4
8/15/2005	20:31:59	30.47	211	3.84	6.92	12.2
8/15/2005	20:47:00	30.45	211	3.74	6.92	13.9
8/15/2005	21:02:00	30.47	211	3.74	6.92	13.5
8/15/2005	21:17:00	30.48	211	3.80	6.92	14.4
8/15/2005	21:31:59	30.47	210	3.62	6.90	14.7
8/15/2005	21:47:00	30.49	210	3.64	6.92	13.7
8/15/2005	22:02:00	30.49	210	3.59	6.91	13.6
8/15/2005	22:16:59	30.46	210	3.61	6.90	14.5
8/15/2005	22:31:59	30.44	210	3.50	6.90	13.4
8/15/2005	22:47:00	30.51	211	3.65	6.92	12.8
8/15/2005	23:02:00	30.51	211	3.64	6.92	12.6
8/15/2005	23:16:59	30.51	211	3.61	6.91	13.4
8/15/2005	23:31:59	30.48	211	3.29	6.91	12.3
8/15/2005	23:47:00	30.51	211	3.54	6.91	14.2
8/16/2005	0:02:00	30.55	211	3.60	6.91	14.2
8/16/2005	0:16:59	30.54	211	3.53	6.92	14.8
8/16/2005	0:31:59	30.50	211	3.49	6.89	14.1
8/16/2005	0:47:00	30.50	211	3.51	6.89	13.7
8/16/2005	1:02:00	30.51	211	3.18	6.90	13.8
8/16/2005	1:16:59	30.57	211	3.36	6.90	16.6
8/16/2005	1:31:59	30.57	211	3.53	6.92	13.5
8/16/2005	1:47:00	30.64	211	3.67	6.94	12.5
8/16/2005	2:02:00	30.71	211	3.91	6.95	12.5
8/16/2005	2:16:59	30.72	211	4.00	6.96	12.1
8/16/2005	2:31:59	30.65	211	3.82	6.93	11.1
8/16/2005	2:47:00	30.60	211	3.69	6.93	10.9
8/16/2005	3:02:00	30.58	211	3.66	6.92	11.2
8/16/2005	3:16:59	30.58	211	3.66	6.92	11.6
8/16/2005	3:32:00	30.60	211	3.66	6.92	11.7
8/16/2005	3:47:00	30.59	211	3.66	6.92	12.0
8/16/2005	4:02:00	30.60	211	3.61	6.92	12.2
8/16/2005	4:16:59	30.59	211	3.53	6.92	12.1
8/16/2005	4:32:00	30.60	211	3.63	6.93	11.9
8/16/2005	4:47:00	30.57	211	3.61	6.91	11.7
8/16/2005	5:02:00	30.56	211	3.61	6.91	11.9
8/16/2005	5:16:59	30.53	211	3.45	6.90	11.9
8/16/2005	5:32:00	30.56	211	3.54	6.91	11.7
8/16/2005	5:47:00	30.55	211	3.42	6.91	11.2
8/16/2005	6:02:00	30.54	211	3.31	6.91	11.1

Sonde Summary  
 TT307 - Lower Layer  
 August 2005

Date m/d/y	Time hh:mm:ss	Temp °C	SpCond uS/cm	DO mg/L	pH s.u.	Turbidity NTU
8/16/2005	6:16:59	30.54	211	3.50	6.91	11.9
8/16/2005	6:32:00	30.56	211	3.42	6.90	11.2
8/16/2005	6:47:00	30.56	211	3.27	6.91	11.1
8/16/2005	7:02:00	30.56	211	3.40	6.90	10.9
8/16/2005	7:16:59	30.56	211	3.34	6.90	11.7
8/16/2005	7:32:00	30.56	211	3.38	6.90	11.3
8/16/2005	7:47:00	30.55	211	3.74	6.90	11.4
8/16/2005	8:02:00	30.54	211	3.71	6.90	10.7
8/16/2005	8:16:59	30.52	211	3.64	6.89	10.9
8/16/2005	8:32:00	30.52	211	3.65	6.89	10.6
8/16/2005	8:47:00	30.52	210	3.62	6.89	10.8
8/16/2005	9:01:59	30.52	210	3.58	6.89	10.7
8/16/2005	9:16:59	30.51	211	3.58	6.89	10.5
8/16/2005	9:32:00	30.51	210	3.58	6.89	10.4
8/16/2005	9:47:00	30.53	210	3.60	6.89	10.5
8/16/2005	10:01:59	30.54	211	3.63	6.90	10.9
8/16/2005	10:16:59	30.55	210	3.63	6.90	10.8
8/16/2005	10:32:00	30.55	210	3.62	6.90	10.7
8/16/2005	10:47:00	30.55	210	3.66	6.88	10.9
8/16/2005	11:01:59	30.46	211	3.48	6.86	10.2
8/16/2005	11:16:59	30.58	211	3.68	6.89	10.5
8/16/2005	11:32:00	30.49	210	3.52	6.88	11.2
8/16/2005	11:47:00	30.62	209	3.80	6.88	11.6
8/16/2005	12:01:59	30.53	210	3.65	6.88	11.1
8/16/2005	12:16:59	30.57	210	3.62	6.90	11.4
8/16/2005	12:32:00	30.54	210	3.57	6.89	11.2
8/16/2005	12:47:00	30.55	211	3.62	6.87	11.2
8/16/2005	13:01:59	30.55	210	3.59	6.88	10.9
8/16/2005	13:17:00	30.52	210	3.53	6.88	11.2
8/16/2005	13:32:00	30.48	210	3.51	6.87	11.7
8/16/2005	13:47:00	30.38	210	3.31	6.85	11.1
8/16/2005	14:01:59	30.39	210	3.14	6.84	13.3
8/16/2005	14:17:00	30.42	210	3.32	6.87	10.7
8/16/2005	14:32:00	30.52	210	3.69	6.89	12.0
8/16/2005	14:47:00	30.46	210	3.46	6.87	11.1
8/16/2005	15:01:59	30.47	210	3.52	6.87	11.2
8/16/2005	15:17:00	30.40	211	3.36	6.86	10.8
8/16/2005	15:32:00	30.39	211	3.27	6.86	10.7
8/16/2005	15:47:00	30.48	211	3.51	6.87	11.4
8/16/2005	16:01:59	30.57	209	3.73	6.89	12.6
8/16/2005	16:17:00	30.50	210	3.52	6.88	13.0
8/16/2005	16:32:00	30.53	210	3.62	6.88	12.3
8/16/2005	16:47:00	30.50	210	3.49	6.87	12.3
8/16/2005	17:01:59	30.47	210	3.42	6.87	11.6
8/16/2005	17:17:00	30.36	211	3.10	6.84	11.9
8/16/2005	17:32:00	30.48	210	3.46	6.88	11.3

Sonde Summary  
 TT307 - Lower Layer  
 August 2005

Date m/d/y	Time hh:mm:ss	Temp °C	SpCond uS/cm	DO mg/L	pH s.u.	Turbidity NTU
8/16/2005	17:47:00	30.57	209	3.50	6.88	12.8
8/16/2005	18:01:59	30.49	210	3.35	6.86	13.1
8/16/2005	18:17:00	30.53	209	3.47	6.87	11.8
8/16/2005	18:32:00	30.49	210	3.35	6.86	13.8
8/16/2005	18:47:00	30.59	209	3.51	6.88	11.9
8/16/2005	19:01:59	30.55	209	3.37	6.86	12.6
8/16/2005	19:17:00	30.58	209	3.54	6.87	13.2
8/16/2005	19:32:00	30.49	208	3.35	6.85	13.2
8/16/2005	19:46:59	30.49	209	3.30	6.84	12.4
8/16/2005	20:01:59	30.47	209	3.26	6.83	13.2
8/16/2005	20:17:00	30.53	208	3.41	6.85	13.0
8/16/2005	20:32:00	30.52	206	3.47	6.85	13.1
8/16/2005	20:46:59	30.49	205	3.39	6.84	12.6
8/16/2005	21:02:00	30.60	205	3.65	6.86	12.6
8/16/2005	21:17:00	30.56	204	3.57	6.85	12.8
8/16/2005	21:32:00	30.68	205	3.78	6.87	12.5
8/16/2005	21:46:59	30.67	206	3.74	6.87	11.9
8/16/2005	22:02:00	30.59	204	3.59	6.85	12.5
8/16/2005	22:17:00	30.58	205	3.54	6.84	11.9
8/16/2005	22:32:00	30.58	203	3.63	6.84	12.5
8/16/2005	22:46:59	30.56	203	3.53	6.84	12.8
8/16/2005	23:02:00	31.03	205	4.57	6.96	11.9
8/16/2005	23:17:00	30.68	204	3.80	6.85	11.9
8/16/2005	23:32:00	30.71	205	3.81	6.88	12.2
8/16/2005	23:46:59	30.74	204	3.87	6.87	13.3
8/17/2005	0:02:00	30.69	204	3.78	6.87	11.9
8/17/2005	0:17:00	30.57	201	3.49	6.82	12.5
8/17/2005	0:32:00	30.57	201	3.49	6.82	12.2
8/17/2005	0:46:59	30.50	203	3.26	6.81	12.4
8/17/2005	1:02:00	30.67	205	3.59	6.86	11.8
8/17/2005	1:17:00	30.56	205	3.30	6.81	12.3
8/17/2005	1:31:59	30.50	202	3.28	6.80	12.5
8/17/2005	1:46:59	30.34	203	2.85	6.77	12.5
8/17/2005	2:02:00	30.41	203	3.02	6.79	12.6
8/17/2005	2:17:00	30.41	204	2.99	6.79	12.5
8/17/2005	2:31:59	30.49	202	3.21	6.80	12.8
8/17/2005	2:46:59	30.42	205	2.94	6.79	12.2
8/17/2005	3:02:00	30.44	203	3.05	6.80	12.6
8/17/2005	3:17:00	30.39	203	2.90	6.78	11.7
8/17/2005	3:31:59	30.51	204	3.11	6.82	11.7
8/17/2005	3:46:59	30.52	204	3.11	6.80	11.7
8/17/2005	4:02:00	30.60	205	3.36	6.83	11.4
8/17/2005	4:17:00	30.55	205	3.22	6.82	11.9
8/17/2005	4:31:59	30.51	205	3.12	6.81	11.8
8/17/2005	4:47:00	30.56	203	3.28	6.82	11.8
8/17/2005	5:02:00	30.61	206	3.43	6.83	10.9

Sonde Summary  
 TT307 - Lower Layer  
 August 2005

Date m/d/y	Time hh:mm:ss	Temp °C	SpCond uS/cm	DO mg/L	pH s.u.	Turbidity NTU
8/17/2005	5:17:00	30.53	202	3.34	6.81	11.4
8/17/2005	5:31:59	30.72	204	3.72	6.86	11.3
8/17/2005	5:47:00	30.66	203	3.57	6.83	11.5
8/17/2005	6:02:00	30.61	203	3.42	6.82	11.7
8/17/2005	6:17:00	30.69	204	3.62	6.85	11.2
8/17/2005	6:31:59	30.65	203	3.56	6.84	11.1
8/17/2005	6:47:00	30.64	204	3.53	6.83	11.0
8/17/2005	7:02:00	30.60	207	3.34	6.82	10.4
8/17/2005	7:16:59	30.56	206	3.27	6.82	10.8
8/17/2005	7:31:59	30.57	205	3.26	6.81	11.5
8/17/2005	7:47:00	30.57	201	3.35	6.81	11.9
8/17/2005	8:02:00	30.48	202	3.08	6.79	11.9
8/17/2005	8:16:59	30.46	200	3.02	6.79	12.3
8/17/2005	8:31:59	30.45	200	2.97	6.79	12.3
8/17/2005	8:47:00	30.69	202	3.38	6.81	12.7
8/17/2005	9:02:00	30.59	202	3.19	6.79	13.0
8/17/2005	9:16:59	30.49	202	2.97	6.78	12.8
8/17/2005	9:31:59	30.47	202	2.84	6.78	13.0
8/17/2005	9:47:00	30.76	202	3.59	6.86	12.3
8/17/2005	10:02:00	30.75	203	3.48	6.83	13.0
8/17/2005	10:16:59	30.81	203	3.62	6.85	13.6
8/17/2005	10:31:59	30.62	202	3.24	6.79	14.2
<b>MAX</b>		31.03	212.00	4.57	7.30	16.60
<b>MIN</b>		30.34	200.00	2.84	6.77	10.20
<b>AVG</b>		30.54	207.96	3.50	6.87	12.13

Sonde Summary  
 TT304 - 1 Foot  
 August 2005

Date m/d/y	Time hh:mm:ss	Temp °C	SpCond uS/cm	DO mg/L	pH s.u.	Turbidity NTU
8/15/2005	18:47:00	31.35	216	7.03	7.2	11.0
8/15/2005	19:01:59	31.26	216	6.81	7.2	10.6
8/15/2005	19:17:00	31.30	216	6.88	7.2	10.4
8/15/2005	19:32:00	31.36	215	6.92	7.2	10.5
8/15/2005	19:46:59	31.34	216	6.88	7.2	10.1
8/15/2005	20:01:59	31.35	216	6.95	7.2	8.9
8/15/2005	20:17:00	31.32	216	6.77	7.2	9.4
8/15/2005	20:32:00	31.29	216	6.67	7.2	9.6
8/15/2005	20:46:59	31.27	216	6.80	7.2	9.7
8/15/2005	21:02:00	31.27	216	6.82	7.2	9.7
8/15/2005	21:17:00	31.22	216	6.78	7.2	9.9
8/15/2005	21:31:59	31.23	216	6.78	7.2	9.7
8/15/2005	21:47:00	31.21	216	6.77	7.2	10.1
8/15/2005	22:02:00	31.21	216	6.73	7.1	10.1
8/15/2005	22:16:59	31.20	216	6.66	7.2	9.8
8/15/2005	22:31:59	31.21	216	6.69	7.1	9.7
8/15/2005	22:47:00	31.21	217	6.66	7.1	9.5
8/15/2005	23:02:00	31.21	216	6.59	7.1	9.5
8/15/2005	23:16:59	31.20	216	6.53	7.1	9.5
8/15/2005	23:32:00	31.18	216	6.52	7.1	10.0
8/15/2005	23:47:00	31.18	216	6.46	7.1	9.7
8/16/2005	0:01:59	31.17	216	6.44	7.1	10.0
8/16/2005	0:17:00	31.16	216	6.39	7.1	10.1
8/16/2005	0:32:00	31.15	216	6.33	7.1	9.7
8/16/2005	0:46:59	31.14	216	6.30	7.1	9.7
8/16/2005	1:01:59	31.12	216	6.28	7.1	9.5
8/16/2005	1:17:00	31.13	216	6.23	7.1	9.8
8/16/2005	1:32:00	31.13	216	6.22	7.1	9.5
8/16/2005	1:46:59	31.10	216	6.19	7.1	9.7
8/16/2005	2:02:00	31.09	216	6.16	7.1	9.4
8/16/2005	2:17:00	31.08	216	6.10	7.1	9.4
8/16/2005	2:31:59	31.09	216	6.00	7.1	9.2
8/16/2005	2:47:00	31.09	216	6.01	7.1	9.2
8/16/2005	3:02:00	31.07	217	5.91	7.1	9.1
8/16/2005	3:16:59	31.05	217	5.89	7.1	9.3
8/16/2005	3:31:59	31.04	217	5.94	7.1	9.0
8/16/2005	3:47:00	31.02	216	5.99	7.1	9.4
8/16/2005	4:02:00	31.02	216	5.90	7.1	9.2
8/16/2005	4:16:59	31.02	217	5.79	7.1	9.3
8/16/2005	4:32:00	30.99	217	5.74	7.1	9.4
8/16/2005	4:47:00	30.99	217	5.79	7.1	8.9
8/16/2005	5:01:59	30.99	216	5.83	7.1	9.1
8/16/2005	5:17:00	30.98	217	5.77	7.1	9.4
8/16/2005	5:32:00	30.97	216	5.76	7.1	9.1
8/16/2005	5:46:59	30.96	217	5.71	7.1	8.7

## Sonde Summary

TT304 - 1 Foot

August 2005

Date	Time	Temp	SpCond	DO	pH	Turbidity
m/d/y	hh:mm:ss	°C	uS/cm	mg/L	s.u.	NTU
8/16/2005	6:01:59	30.94	216	5.70	7.1	8.7
8/16/2005	6:17:00	30.91	216	5.69	7.1	8.6
8/16/2005	6:32:00	30.90	216	5.66	7.1	8.7
8/16/2005	6:46:59	30.90	217	5.62	7.1	8.6
8/16/2005	7:02:00	30.88	216	5.61	7.1	9.0
8/16/2005	7:17:00	30.88	216	5.57	7.1	9.6
8/16/2005	7:31:59	30.86	217	5.60	7.0	9.8
8/16/2005	7:47:00	30.77	216	5.56	7.0	9.5
8/16/2005	8:02:00	30.78	216	5.53	7.0	9.4
8/16/2005	8:16:59	30.77	216	5.57	7.0	9.8
8/16/2005	8:31:59	30.84	217	5.50	7.1	11.7
8/16/2005	8:47:00	30.87	217	5.52	7.1	9.9
8/16/2005	9:02:00	30.83	217	5.47	7.0	10.3
8/16/2005	9:16:59	30.82	217	5.42	7.0	10.2
8/16/2005	9:32:00	30.94	216	5.70	7.1	8.7
8/16/2005	9:47:00	30.88	217	5.54	7.1	10.0
8/16/2005	10:01:59	30.96	216	5.80	7.1	9.3
8/16/2005	10:17:00	30.89	217	5.50	7.1	11.7
8/16/2005	10:32:00	31.14	217	5.78	7.1	9.2
8/16/2005	10:46:59	31.14	216	6.29	7.1	9.9
8/16/2005	11:01:59	31.27	217	6.14	7.2	8.0
8/16/2005	11:17:00	30.90	216	5.61	7.0	10.1
8/16/2005	11:32:00	30.93	217	5.57	7.1	9.5
8/16/2005	11:46:59	31.03	217	5.80	7.1	9.7
8/16/2005	12:02:00	31.01	216	5.95	7.1	10.0
8/16/2005	12:17:00	31.15	217	6.03	7.1	9.0
8/16/2005	12:31:59	31.07	216	6.19	7.1	9.4
8/16/2005	12:47:00	31.39	216	6.84	7.3	9.2
8/16/2005	13:02:00	31.16	216	6.50	7.2	9.4
8/16/2005	13:16:59	31.27	216	6.78	7.2	9.5
8/16/2005	13:32:00	31.63	216	7.17	7.3	9.4
8/16/2005	13:47:00	31.95	216	7.44	7.4	9.4
8/16/2005	14:02:00	31.94	217	7.46	7.4	9.2
8/16/2005	14:16:59	30.89	216	5.80	7.1	12.5
8/16/2005	14:32:00	31.57	217	6.37	7.2	12.1
8/16/2005	14:47:00	31.86	217	6.67	7.3	11.5
8/16/2005	15:01:59	32.48	217	7.35	7.4	9.0
8/16/2005	15:17:00	32.37	216	7.51	7.4	9.8
8/16/2005	15:32:00	31.57	216	6.84	7.3	10.2
8/16/2005	15:46:59	31.51	216	6.64	7.2	10.0
8/16/2005	16:02:00	32.05	216	7.64	7.5	9.8
8/16/2005	16:17:00	31.90	216	7.49	7.4	9.6
8/16/2005	16:32:00	31.91	216	7.84	7.5	9.7
8/16/2005	16:46:59	32.76	216	8.54	7.8	9.8
8/16/2005	17:02:00	31.94	216	7.43	7.4	10.3
8/16/2005	17:17:00	31.94	216	7.63	7.4	9.7
8/16/2005	17:31:59	31.74	216	7.42	7.4	10.0



## Sonde Summary

TT304 - 1 Foot

August 2005

Date	Time	Temp	SpCond	DO	pH	Turbidity
m/d/y	hh:mm:ss	°C	uS/cm	mg/L	s.u.	NTU
8/16/2005	17:47:00	31.70	216	7.34	7.3	10.3
8/16/2005	18:02:00	31.62	216	7.22	7.3	10.3
8/16/2005	18:16:59	32.20	216	7.79	7.4	10.0
8/16/2005	18:32:00	32.53	216	8.40	7.7	9.5
8/16/2005	18:47:00	32.03	215	7.72	7.5	9.4
8/16/2005	19:02:00	31.56	216	7.18	7.4	9.6
8/16/2005	19:16:59	31.57	215	7.05	7.3	9.7
8/16/2005	19:32:00	32.20	216	7.67	7.4	9.8
8/16/2005	19:47:00	31.71	216	7.18	7.3	9.8
8/16/2005	20:01:59	31.97	216	7.30	7.3	9.7
8/16/2005	20:17:00	31.38	216	6.59	7.2	10.6
8/16/2005	20:32:00	31.37	216	6.61	7.2	10.6
8/16/2005	20:46:59	31.70	215	7.18	7.3	10.1
8/16/2005	21:02:00	31.84	216	7.29	7.4	9.3
8/16/2005	21:17:00	31.70	216	7.27	7.4	9.4
8/16/2005	21:32:00	31.35	215	6.59	7.2	10.9
8/16/2005	21:46:59	31.28	215	6.48	7.2	10.7
8/16/2005	22:02:00	31.25	216	6.58	7.2	10.3
8/16/2005	22:17:00	31.19	215	6.29	7.1	10.6
8/16/2005	22:31:59	31.15	216	6.17	7.1	11.3
8/16/2005	22:47:00	31.17	216	6.15	7.1	11.9
8/16/2005	23:02:00	31.19	215	6.35	7.1	10.9
8/16/2005	23:16:59	31.17	215	6.36	7.1	13.7
8/16/2005	23:32:00	31.16	215	6.42	7.1	12.5
8/16/2005	23:47:00	31.18	215	6.38	7.1	13.5
8/17/2005	0:02:00	31.16	215	6.42	7.1	11.9
8/17/2005	0:16:59	31.11	216	6.35	7.1	12.5
8/17/2005	0:32:00	31.13	215	6.41	7.1	12.2
8/17/2005	0:47:00	31.11	215	6.35	7.1	12.3
8/17/2005	1:01:59	31.10	215	6.42	7.1	12.0
8/17/2005	1:17:00	31.09	215	6.44	7.1	11.2
8/17/2005	1:32:00	31.07	215	6.40	7.1	11.4
8/17/2005	1:46:59	31.08	215	6.39	7.1	11.5
8/17/2005	2:02:00	31.04	215	6.39	7.1	11.3
8/17/2005	2:17:00	31.04	215	6.41	7.1	11.1
8/17/2005	2:31:59	31.02	215	6.43	7.1	10.6
8/17/2005	2:46:59	31.03	215	6.44	7.1	10.8
8/17/2005	3:02:00	31.01	214	6.45	7.1	10.6
8/17/2005	3:17:00	31.02	214	6.44	7.1	11.2
8/17/2005	3:31:59	31.01	214	6.45	7.1	10.9
8/17/2005	3:47:00	31.01	214	6.47	7.1	11.0
8/17/2005	4:02:00	30.99	214	6.47	7.1	10.6
8/17/2005	4:16:59	31.00	214	6.48	7.1	10.9
8/17/2005	4:32:00	31.00	214	6.46	7.1	10.6
8/17/2005	4:47:00	31.01	214	6.43	7.1	10.9
8/17/2005	5:01:59	30.98	214	6.45	7.1	10.3
8/17/2005	5:16:59	30.99	214	6.44	7.1	10.3

Sonde Summary

TT304 - 1 Foot

August 2005

Date m/d/y	Time hh:mm:ss	Temp °C	SpCond uS/cm	DO mg/L	pH s.u.	Turbidity NTU
8/17/2005	5:32:00	30.95	214	6.43	7.1	10.3
8/17/2005	5:47:00	30.97	214	6.38	7.1	10.6
8/17/2005	6:01:59	30.95	214	6.36	7.1	10.7
8/17/2005	6:17:00	30.93	214	6.32	7.1	10.9
8/17/2005	6:32:00	30.92	214	6.29	7.1	10.8
8/17/2005	6:46:59	30.91	214	6.28	7.1	11.5
8/17/2005	7:02:00	30.90	214	6.28	7.1	10.5
8/17/2005	7:17:00	30.90	214	6.28	7.1	11.0
8/17/2005	7:31:59	30.90	214	6.26	7.1	10.9
8/17/2005	7:46:59	30.90	214	6.26	7.1	11.1
8/17/2005	8:02:00	30.89	214	6.28	7.1	10.9
8/17/2005	8:17:00	30.90	214	6.28	7.1	10.8
8/17/2005	8:31:59	30.93	214	6.34	7.1	10.7
8/17/2005	8:47:00	30.95	213	6.41	7.1	11.5
8/17/2005	9:02:00	30.95	213	6.38	7.1	12.5
8/17/2005	9:16:59	30.96	213	6.39	7.1	12.3
8/17/2005	9:32:00	31.00	213	6.54	7.1	12.8
8/17/2005	9:47:00	31.02	213	6.48	7.1	13.9
8/17/2005	10:01:59	31.05	213	6.50	7.1	13.1
<b>MAX</b>		32.76	217.00	8.54	7.82	13.90
<b>MIN</b>		30.77	213.00	5.42	7.01	8.00
<b>AVG</b>		31.22	215.62	6.45	7.16	10.24

Sonde Summary  
 TT304 - 5 feet  
 August 2005

Date m/d/y	Time hh:mm:ss	Temp °C	SpCond uS/cm	DO mg/L	pH s.u.
8/15/2005	18:47:00	31.29	213	6.84	7.14
8/15/2005	19:02:00	31.28	213	6.74	7.12
8/15/2005	19:16:59	31.26	213	6.73	7.10
8/15/2005	19:32:00	31.24	213	6.69	7.10
8/15/2005	19:47:00	31.25	213	6.61	7.10
8/15/2005	20:01:59	31.24	213	6.64	7.10
8/15/2005	20:17:00	31.33	213	6.72	7.12
8/15/2005	20:31:59	31.32	213	6.69	7.11
8/15/2005	20:47:00	31.30	213	6.63	7.10
8/15/2005	21:02:00	31.29	213	6.63	7.09
8/15/2005	21:16:59	31.28	213	6.70	7.10
8/15/2005	21:31:59	31.30	213	6.83	7.12
8/15/2005	21:47:00	31.29	213	6.83	7.11
8/15/2005	22:02:00	31.28	213	6.76	7.09
8/15/2005	22:16:59	31.28	214	6.76	7.07
8/15/2005	22:32:00	31.29	214	6.78	7.07
8/15/2005	22:47:00	31.27	213	6.77	7.09
8/15/2005	23:01:59	31.28	213	6.70	7.08
8/15/2005	23:17:00	31.29	213	6.58	7.08
8/15/2005	23:31:59	31.26	214	6.61	7.07
8/15/2005	23:47:00	31.26	213	6.54	7.08
8/16/2005	0:02:00	31.24	213	6.50	7.07
8/16/2005	0:16:59	31.23	214	6.45	7.06
8/16/2005	0:32:00	31.22	213	6.40	7.06
8/16/2005	0:47:00	31.22	213	6.37	7.06
8/16/2005	1:01:59	31.19	214	6.34	7.06
8/16/2005	1:16:59	31.21	214	6.31	7.05
8/16/2005	1:32:00	31.19	213	6.28	7.05
8/16/2005	1:47:00	31.17	214	6.28	7.05
8/16/2005	2:01:59	31.17	214	6.22	7.04
8/16/2005	2:17:00	31.17	214	6.18	7.03
8/16/2005	2:32:00	31.17	214	6.10	7.03
8/16/2005	2:46:59	31.16	214	6.05	7.03
8/16/2005	3:02:00	31.15	214	5.94	7.03
8/16/2005	3:17:00	31.13	214	5.97	7.02
8/16/2005	3:31:59	31.12	214	5.93	7.02
8/16/2005	3:46:59	31.10	214	6.08	7.03
8/16/2005	4:02:00	31.11	214	5.93	7.02
8/16/2005	4:17:00	31.10	214	5.86	7.01
8/16/2005	4:31:59	31.08	214	5.89	7.00
8/16/2005	4:47:00	31.06	214	5.88	7.01
8/16/2005	5:02:00	31.06	214	5.88	7.01
8/16/2005	5:16:59	31.05	214	5.80	7.00
8/16/2005	5:32:00	31.05	214	5.80	7.00
8/16/2005	5:47:00	31.03	214	5.76	7.00

## Sonde Summary

TT304 - 5 feet

August 2005

Date	Time	Temp	SpCond	DO	pH
m/d/y	hh:mm:ss	°C	uS/cm	mg/L	s.u.
8/16/2005	6:01:59	31.02	214	5.74	7.00
8/16/2005	6:16:59	30.97	214	5.74	7.00
8/16/2005	6:32:00	30.98	214	5.72	6.99
8/16/2005	6:47:00	30.97	214	5.69	6.99
8/16/2005	7:01:59	30.97	214	5.65	6.99
8/16/2005	7:17:00	30.96	214	5.63	6.99
8/16/2005	7:32:00	30.93	214	5.66	6.97
8/16/2005	7:46:59	30.84	214	5.59	6.95
8/16/2005	8:02:00	30.82	214	5.57	6.95
8/16/2005	8:16:59	30.85	214	5.55	6.97
8/16/2005	8:32:00	30.87	214	5.51	6.97
8/16/2005	8:46:59	30.91	214	5.53	6.98
8/16/2005	9:02:00	30.87	214	5.43	6.96
8/16/2005	9:17:00	30.87	215	5.39	6.97
8/16/2005	9:31:59	30.88	214	5.54	6.98
8/16/2005	9:47:00	30.89	215	5.44	6.97
8/16/2005	10:02:00	30.87	214	5.43	6.97
8/16/2005	10:16:59	30.93	215	5.48	6.98
8/16/2005	10:32:00	30.95	215	5.51	6.98
8/16/2005	10:47:00	31.04	214	5.78	7.02
8/16/2005	11:02:00	30.94	214	5.50	6.98
8/16/2005	11:16:59	30.92	214	5.56	6.98
8/16/2005	11:32:00	30.90	214	5.40	6.96
8/16/2005	11:47:00	30.93	214	5.47	6.98
8/16/2005	12:01:59	30.97	214	5.58	6.99
8/16/2005	12:17:00	30.96	214	5.58	6.99
8/16/2005	12:32:00	30.93	214	5.56	6.98
8/16/2005	12:46:59	30.98	214	5.66	7.00
8/16/2005	13:02:00	30.91	214	5.53	6.97
8/16/2005	13:17:00	30.92	214	5.55	6.98
8/16/2005	13:32:00	31.00	214	5.79	7.01
8/16/2005	13:46:59	30.96	214	5.65	6.99
8/16/2005	14:02:00	31.03	214	5.86	7.01
8/16/2005	14:17:00	30.91	214	5.57	6.97
8/16/2005	14:31:59	31.28	215	5.99	7.07
8/16/2005	14:47:00	31.44	214	6.27	7.10
8/16/2005	15:02:00	31.67	215	6.64	7.18
8/16/2005	15:16:59	31.37	215	6.34	7.10
8/16/2005	15:32:00	31.31	214	6.31	7.09
8/16/2005	15:47:00	31.30	214	6.40	7.10
8/16/2005	16:02:00	31.30	215	6.42	7.10
8/16/2005	16:16:59	31.32	214	6.49	7.11
8/16/2005	16:32:00	31.36	214	6.60	7.12
8/16/2005	16:47:00	31.41	214	6.75	7.16
8/16/2005	17:01:59	31.32	214	6.61	7.13
8/16/2005	17:17:00	31.31	214	6.55	7.12
8/16/2005	17:31:59	31.27	214	6.49	7.11

## Sonde Summary

TT304 - 5 feet

August 2005

Date	Time	Temp	SpCond	DO	pH
m/d/y	hh:mm:ss	°C	uS/cm	mg/L	s.u.
8/16/2005	17:47:00	31.27	214	6.50	7.12
8/16/2005	18:02:00	31.21	214	6.42	7.09
8/16/2005	18:16:59	31.28	214	6.54	7.11
8/16/2005	18:32:00	31.23	214	6.44	7.10
8/16/2005	18:47:00	31.21	214	6.40	7.09
8/16/2005	19:01:59	31.23	214	6.42	7.09
8/16/2005	19:17:00	31.23	214	6.41	7.09
8/16/2005	19:32:00	31.22	214	6.34	7.09
8/16/2005	19:47:00	31.21	214	6.34	7.08
8/16/2005	20:01:59	31.22	214	6.29	7.08
8/16/2005	20:17:00	31.23	214	6.28	7.07
8/16/2005	20:32:00	31.21	214	6.24	7.06
8/16/2005	20:46:59	31.24	214	6.21	7.06
8/16/2005	21:02:00	31.20	214	6.17	7.06
8/16/2005	21:17:00	31.25	214	6.24	7.06
8/16/2005	21:31:59	31.23	214	6.18	7.05
8/16/2005	21:47:00	31.25	214	6.20	7.04
8/16/2005	22:02:00	31.31	214	6.47	7.07
8/16/2005	22:17:00	31.24	214	6.21	7.04
8/16/2005	22:31:59	31.23	214	6.17	7.03
8/16/2005	22:47:00	31.24	214	6.19	7.04
8/16/2005	23:02:00	31.26	213	6.41	7.03
8/16/2005	23:16:59	31.26	214	6.40	7.05
8/16/2005	23:32:00	31.24	213	6.43	7.04
8/16/2005	23:47:00	31.25	213	6.43	7.05
8/17/2005	0:01:59	31.24	213	6.48	7.05
8/17/2005	0:17:00	31.17	214	6.36	7.02
8/17/2005	0:32:00	31.18	214	6.39	7.02
8/17/2005	0:47:00	31.18	213	6.38	7.03
8/17/2005	1:01:59	31.18	213	6.46	7.03
8/17/2005	1:17:00	31.17	213	6.47	7.04
8/17/2005	1:32:00	31.14	213	6.44	7.03
8/17/2005	1:46:59	31.16	213	6.43	7.04
8/17/2005	2:02:00	31.11	213	6.43	7.03
8/17/2005	2:17:00	31.12	213	6.44	7.03
8/17/2005	2:31:59	31.10	213	6.46	7.03
8/17/2005	2:47:00	31.10	213	6.48	7.03
8/17/2005	3:02:00	31.08	213	6.49	7.03
8/17/2005	3:17:00	31.09	213	6.49	7.03
8/17/2005	3:31:59	31.09	213	6.49	7.03
8/17/2005	3:47:00	31.10	213	6.49	7.04
8/17/2005	4:02:00	31.09	213	6.50	7.04
8/17/2005	4:16:59	31.08	213	6.51	7.04
8/17/2005	4:32:00	31.07	213	6.49	7.04
8/17/2005	4:47:00	31.09	213	6.47	7.04
8/17/2005	5:01:59	31.07	213	6.49	7.03
8/17/2005	5:17:00	31.07	213	6.48	7.03

Sonde Summary

TT304 - 5 feet

August 2005

Date m/d/y	Time hh:mm:ss	Temp °C	SpCond uS/cm	DO mg/L	pH s.u.
8/17/2005	5:32:00	31.04	213	6.47	7.03
8/17/2005	5:47:00	31.04	213	6.41	7.02
8/17/2005	6:01:59	31.03	213	6.38	7.02
8/17/2005	6:16:59	31.01	213	6.35	7.01
8/17/2005	6:32:00	31.01	213	6.30	7.01
8/17/2005	6:47:00	30.98	213	6.30	7.01
8/17/2005	7:02:00	30.99	213	6.31	7.00
8/17/2005	7:16:59	30.98	213	6.30	7.00
8/17/2005	7:32:00	30.98	213	6.28	7.00
8/17/2005	7:47:00	30.98	213	6.29	7.00
8/17/2005	8:01:59	30.97	213	6.31	7.00
8/17/2005	8:17:00	30.97	213	6.29	7.00
8/17/2005	8:32:00	30.99	213	6.33	7.00
8/17/2005	8:46:59	31.00	212	6.37	7.00
8/17/2005	9:02:00	31.03	212	6.39	7.01
8/17/2005	9:17:00	31.02	212	6.43	7.01
8/17/2005	9:32:00	31.05	212	6.52	7.01
8/17/2005	9:46:59	31.08	212	6.50	7.02
8/17/2005	10:02:00	31.09	212	6.46	7.02
<b>MAX</b>		31.67	215.00	6.84	7.18
<b>MIN</b>		30.82	212.00	5.39	6.95
<b>AVG</b>		31.13	213.61	6.22	7.04

Sonde Data  
TT304 - Lower Layer  
August 2005

Date m/d/y	Time hh:mm:ss	Temp °C	SpCond uS/cm	DO mg/L	pH s.u.	Turbidity NTU
8/15/2005	18:47:00	31.19	214	6.87	7.27	13.7
8/15/2005	19:02:00	31.17	214	6.77	7.24	14.3
8/15/2005	19:17:00	31.20	214	6.75	7.24	12.4
8/15/2005	19:32:00	31.18	214	6.67	7.24	13.4
8/15/2005	19:47:00	31.18	213	6.61	7.24	11.7
8/15/2005	20:02:00	31.18	214	6.50	7.25	14.4
8/15/2005	20:17:00	31.18	214	6.57	7.24	13.7
8/15/2005	20:32:00	31.18	214	6.55	7.22	16.1
8/15/2005	20:47:00	31.17	214	6.46	7.24	11.5
8/15/2005	21:02:00	31.17	214	6.53	7.23	13.0
8/15/2005	21:17:00	31.17	214	6.48	7.23	13.0
8/15/2005	21:32:00	31.18	213	6.43	7.23	13.1
8/15/2005	21:47:00	31.17	214	6.44	7.23	12.5
8/15/2005	22:02:00	31.18	213	6.40	7.23	12.1
8/15/2005	22:17:00	31.18	214	6.37	7.23	11.7
8/15/2005	22:32:00	31.19	214	6.44	7.21	11.7
8/15/2005	22:47:00	31.17	214	6.51	7.21	12.6
8/15/2005	23:02:00	31.21	214	6.82	7.23	10.6
8/15/2005	23:17:00	31.21	214	6.72	7.23	10.6
8/15/2005	23:32:00	31.16	214	6.70	7.21	11.1
8/15/2005	23:47:00	31.21	214	6.57	7.21	10.8
8/16/2005	0:02:00	31.20	214	6.48	7.21	10.6
8/16/2005	0:17:00	31.19	214	6.45	7.20	10.7
8/16/2005	0:32:00	31.17	214	6.39	7.20	42.7
8/16/2005	0:47:00	31.17	214	6.35	7.20	10.8
8/16/2005	1:02:00	31.16	214	6.34	7.20	10.2
8/16/2005	1:17:00	31.14	214	6.32	7.19	11.4
8/16/2005	1:32:00	31.13	214	6.30	7.19	11.1
8/16/2005	1:47:00	31.12	214	6.26	7.19	10.4
8/16/2005	2:02:00	31.11	214	6.21	7.19	10.4
8/16/2005	2:17:00	31.10	214	6.18	7.18	10.4
8/16/2005	2:32:00	31.10	214	6.10	7.18	10.6
8/16/2005	2:47:00	31.08	214	6.07	7.18	10.6
8/16/2005	3:02:00	31.09	214	6.01	7.18	9.7
8/16/2005	3:17:00	31.05	214	6.04	7.18	10.1
8/16/2005	3:32:00	31.05	214	6.01	7.18	10.4
8/16/2005	3:47:00	31.04	214	6.02	7.18	10.8
8/16/2005	4:02:00	31.03	214	5.93	7.16	9.9
8/16/2005	4:17:00	31.03	214	5.80	7.16	10.2
8/16/2005	4:32:00	31.02	214	5.75	7.16	10.1
8/16/2005	4:47:00	30.98	214	5.86	7.15	10.8
8/16/2005	5:02:00	31.00	214	5.82	7.15	18.9
8/16/2005	5:17:00	30.97	214	5.77	7.14	10.2
8/16/2005	5:32:00	30.98	214	5.75	7.15	10.7

Sonde Data  
TT304 - Lower Layer  
August 2005

Date m/d/y	Time hh:mm:ss	Temp °C	SpCond uS/cm	DO mg/L	pH s.u.	Turbidity NTU
8/16/2005	5:47:00	30.96	214	5.70	7.14	10.1
8/16/2005	6:02:00	30.90	214	5.76	7.13	10.7
8/16/2005	6:17:00	30.90	214	5.71	7.14	10.0
8/16/2005	6:32:00	30.91	214	5.62	7.14	9.7
8/16/2005	6:47:00	30.89	214	5.63	7.13	9.9
8/16/2005	7:02:00	30.88	215	5.61	7.12	10.1
8/16/2005	7:17:00	30.86	214	5.58	7.12	10.6
8/16/2005	7:32:00	30.83	214	5.69	7.10	11.1
8/16/2005	7:47:00	30.78	214	5.61	7.10	11.9
8/16/2005	8:02:00	30.75	215	5.61	7.09	12.9
8/16/2005	8:17:00	30.77	214	5.59	7.10	10.9
8/16/2005	8:32:00	30.76	214	5.56	7.09	13.5
8/16/2005	8:47:00	30.82	214	5.48	7.12	12.9
8/16/2005	9:02:00	30.77	214	5.50	7.10	15.5
8/16/2005	9:17:00	30.79	215	5.42	7.11	11.8
8/16/2005	9:32:00	30.78	214	5.55	7.11	11.0
8/16/2005	9:47:00	30.81	214	5.40	7.11	11.7
8/16/2005	10:02:00	30.79	214	5.44	7.10	11.1
8/16/2005	10:17:00	30.85	215	5.47	7.11	14.2
8/16/2005	10:32:00	30.87	214	5.48	7.13	11.5
8/16/2005	10:47:00	30.85	215	5.61	7.12	10.6
8/16/2005	11:02:00	30.83	214	5.51	7.11	12.5
8/16/2005	11:17:00	30.81	215	5.47	7.09	11.5
8/16/2005	11:32:00	30.82	214	5.41	7.10	14.1
8/16/2005	11:47:00	30.80	215	5.34	7.11	15.8
8/16/2005	12:02:00	30.80	215	5.33	7.10	11.5
8/16/2005	12:17:00	30.80	215	5.26	7.10	12.6
8/16/2005	12:32:00	30.79	215	5.29	7.09	18.0
8/16/2005	12:47:00	30.79	215	5.22	7.10	10.1
8/16/2005	13:02:00	30.77	215	5.24	7.09	11.1
8/16/2005	13:17:00	30.78	215	5.33	7.09	12.6
8/16/2005	13:32:00	30.78	215	5.41	7.09	10.8
8/16/2005	13:47:00	30.77	215	5.38	7.09	10.9
8/16/2005	14:02:00	30.78	215	5.34	7.08	12.8
8/16/2005	14:17:00	30.80	214	5.47	7.09	23.3
8/16/2005	14:32:00	31.08	215	5.85	7.17	17.5
8/16/2005	14:47:00	31.18	215	6.03	7.18	13.6
8/16/2005	15:02:00	31.16	215	6.04	7.18	13.0
8/16/2005	15:17:00	31.11	215	6.05	7.19	13.6
8/16/2005	15:32:00	31.16	214	6.15	7.19	15.0
8/16/2005	15:47:00	31.13	215	6.16	7.19	13.3
8/16/2005	16:02:00	31.10	214	6.16	7.19	13.1
8/16/2005	16:17:00	31.09	215	6.16	7.19	13.0
8/16/2005	16:32:00	31.10	214	6.23	7.20	13.7
8/16/2005	16:47:00	31.16	214	6.42	7.22	11.9
8/16/2005	17:02:00	31.16	214	6.46	7.23	11.9



Sonde Data  
TT304 - Lower Layer  
August 2005

Date m/d/y	Time hh:mm:ss	Temp °C	SpCond uS/cm	DO mg/L	pH s.u.	Turbidity NTU
8/16/2005	17:17:00	31.14	214	6.43	7.22	12.2
8/16/2005	17:32:00	31.15	214	6.43	7.22	12.8
8/16/2005	17:47:00	31.13	214	6.42	7.22	12.4
8/16/2005	18:02:00	31.10	214	6.35	7.21	12.6
8/16/2005	18:17:00	31.10	214	6.37	7.21	13.6
8/16/2005	18:32:00	31.11	214	6.37	7.21	13.3
8/16/2005	18:47:00	31.12	214	6.35	7.21	14.0
8/16/2005	19:02:00	31.14	214	6.39	7.22	13.7
8/16/2005	19:17:00	31.14	214	6.38	7.21	14.2
8/16/2005	19:32:00	31.15	214	6.38	7.21	13.7
8/16/2005	19:47:00	31.15	214	6.36	7.21	13.0
8/16/2005	20:02:00	31.14	214	6.33	7.20	12.2
8/16/2005	20:17:00	31.13	214	6.31	7.20	12.6
8/16/2005	20:32:00	31.12	214	6.26	7.19	13.1
8/16/2005	20:47:00	31.14	214	6.24	7.19	12.8
8/16/2005	21:02:00	31.13	214	6.20	7.18	12.3
8/16/2005	21:17:00	31.15	214	6.20	7.18	12.7
8/16/2005	21:32:00	31.16	214	6.20	7.18	13.8
8/16/2005	21:47:00	31.19	214	6.23	7.17	12.8
8/16/2005	22:02:00	31.19	214	6.22	7.17	12.9
8/16/2005	22:17:00	31.18	214	6.23	7.16	13.0
8/16/2005	22:32:00	31.17	214	6.22	7.16	12.6
8/16/2005	22:47:00	31.18	214	6.23	7.16	12.4
8/16/2005	23:02:00	31.21	213	6.43	7.15	14.4
8/16/2005	23:17:00	31.21	213	6.46	7.17	14.1
8/16/2005	23:32:00	31.18	213	6.46	7.15	13.5
8/16/2005	23:47:00	31.20	213	6.53	7.17	13.7
8/17/2005	0:02:00	31.19	213	6.52	7.18	14.2
8/17/2005	0:17:00	31.14	213	6.44	7.14	12.2
8/17/2005	0:32:00	31.13	213	6.46	7.14	12.5
8/17/2005	0:47:00	31.14	213	6.46	7.16	12.0
8/17/2005	1:02:00	31.12	213	6.52	7.15	12.8
8/17/2005	1:17:00	31.11	213	6.55	7.16	11.2
8/17/2005	1:32:00	31.09	213	6.52	7.16	11.1
8/17/2005	1:47:00	31.11	213	6.50	7.16	12.3
8/17/2005	2:02:00	31.07	213	6.50	7.15	11.1
8/17/2005	2:17:00	31.06	213	6.52	7.15	11.4
8/17/2005	2:32:00	31.05	213	6.55	7.15	11.1
8/17/2005	2:47:00	31.05	213	6.57	7.15	10.8
8/17/2005	3:02:00	31.03	213	6.57	7.15	10.9
8/17/2005	3:17:00	31.05	212	6.55	7.16	10.9
8/17/2005	3:32:00	31.03	212	6.58	7.15	11.1
8/17/2005	3:47:00	31.05	212	6.58	7.16	11.0
8/17/2005	4:02:00	31.03	212	6.58	7.16	10.9
8/17/2005	4:17:00	31.04	212	6.58	7.16	11.0
8/17/2005	4:32:00	31.03	212	6.58	7.16	10.4

Sonde Data  
 TT304 - Lower Layer  
 August 2005

Date m/d/y	Time hh:mm:ss	Temp °C	SpCond uS/cm	DO mg/L	pH s.u.	Turbidity NTU
8/17/2005	4:47:00	31.04	213	6.55	7.16	10.9
8/17/2005	5:02:00	31.01	212	6.57	7.15	10.6
8/17/2005	5:17:00	31.01	212	6.56	7.15	11.1
8/17/2005	5:32:00	30.99	212	6.55	7.14	11.1
8/17/2005	5:47:00	30.99	212	6.51	7.15	12.0
8/17/2005	6:02:00	30.98	212	6.48	7.14	11.4
8/17/2005	6:17:00	30.95	212	6.45	7.13	11.3
8/17/2005	6:32:00	30.96	212	6.40	7.13	11.3
8/17/2005	6:47:00	30.92	212	6.40	7.13	10.8
8/17/2005	7:02:00	30.94	212	6.40	7.12	11.5
8/17/2005	7:17:00	30.93	212	6.39	7.12	11.6
8/17/2005	7:32:00	30.93	212	6.37	7.12	11.2
8/17/2005	7:47:00	30.93	212	6.37	7.12	11.4
8/17/2005	8:02:00	30.91	212	6.37	7.12	11.2
8/17/2005	8:17:00	30.92	212	6.36	7.12	11.7
8/17/2005	8:32:00	30.91	212	6.38	7.12	11.2
8/17/2005	8:47:00	30.94	212	6.44	7.11	15.9
8/17/2005	9:02:00	30.96	212	6.45	7.12	15.1
8/17/2005	9:17:00	30.95	212	6.45	7.12	13.8
8/17/2005	9:32:00	30.98	211	6.56	7.12	17.0
8/17/2005	9:47:00	31.01	211	6.60	7.14	15.0
8/17/2005	10:02:00	31.04	211	6.49	7.12	15.4
<b>MAX</b>		31.21	215.00	6.87	7.27	42.70
<b>MIN</b>		30.75	211.00	5.22	7.08	9.70
<b>AVG</b>		31.04	213.65	6.17	7.16	12.47

Sonde Summary  
 TR3.8 - 1 Foot  
 August 2005

Date m/d/y	Time hh:mm:ss	Temp °C	SpCond uS/cm	DO mg/L	pH s.u.	Turbidity NTU
8/11/2005	11:45:00	31.44	254	9.97	8.28	4.6
8/11/2005	12:00:00	31.75	254	10.24	8.52	7.8
8/11/2005	12:14:59	31.64	254	10.06	8.48	7.8
8/11/2005	12:30:00	31.84	254	10.09	8.43	8.2
8/11/2005	12:45:00	32.00	253	10.35	8.45	8.3
8/11/2005	12:59:59	32.04	254	10.12	8.39	9.0
8/11/2005	13:14:59	32.30	254	10.25	8.40	8.3
8/11/2005	13:30:00	32.34	254	10.75	8.46	8.1
8/11/2005	13:45:00	32.32	253	11.35	8.50	8.1
8/11/2005	13:59:59	32.77	253	11.23	8.47	7.9
8/11/2005	14:15:00	33.22	253	11.09	8.49	7.3
8/11/2005	14:30:00	33.69	252	11.42	8.52	-0.7
8/11/2005	14:44:59	33.84	252	11.11	8.56	-1.2
8/11/2005	14:59:59	34.08	253	11.56	8.54	6.5
8/11/2005	15:15:00	33.58	253	11.47	8.55	9.5
8/11/2005	15:30:00	34.10	252	11.10	8.48	7.6
8/11/2005	15:44:59	34.35	252	11.11	8.53	5.9
8/11/2005	16:00:00	34.93	253	11.13	8.54	6.4
8/11/2005	16:15:00	35.05	253	10.95	8.51	6.2
8/11/2005	16:29:59	35.12	253	10.80	8.57	6.3
8/11/2005	16:44:59	34.89	253	10.89	8.56	6.2
8/11/2005	17:00:00	34.67	252	11.12	8.57	6.9
8/11/2005	17:15:00	34.33	251	11.34	8.61	7.3
8/11/2005	17:29:59	34.70	252	11.17	8.61	6.7
8/11/2005	17:45:00	34.66	252	11.20	8.58	6.8
8/11/2005	18:00:00	34.36	252	11.55	8.52	6.9
8/11/2005	18:14:59	34.44	251	11.21	8.50	6.4
8/11/2005	18:29:59	34.20	251	10.81	8.52	7.8
8/11/2005	18:45:00	34.21	252	10.98	8.54	7.1
8/11/2005	19:00:00	33.88	251	10.95	8.50	7.6
8/11/2005	19:14:59	34.03	251	10.77	8.52	7.2
8/11/2005	19:30:00	33.68	251	10.88	8.47	7.8
8/11/2005	19:45:00	33.93	251	10.68	8.50	6.4
8/11/2005	19:59:59	33.88	252	10.78	8.49	6.2
8/11/2005	20:15:00	33.90	252	10.80	8.51	6.1
8/11/2005	20:30:00	33.55	251	10.60	8.46	6.8
8/11/2005	20:45:00	33.70	252	10.24	8.46	6.4
8/11/2005	20:59:59	33.63	252	10.02	8.42	6.5
8/11/2005	21:15:00	33.53	252	9.87	8.39	6.7
8/11/2005	21:30:00	33.41	252	9.80	8.40	6.6
8/11/2005	21:44:59	33.28	254	9.30	8.34	7.4
8/11/2005	22:00:00	33.21	253	9.10	8.27	6.9
8/11/2005	22:15:00	33.11	254	8.90	8.28	6.8
8/11/2005	22:29:59	33.02	254	8.70	8.24	7.9
8/11/2005	22:44:59	32.90	254	8.70	8.17	9.9

## Sonde Summary

TR3.8 - 1 Foot

August 2005

Date	Time	Temp	SpCond	DO	pH	Turbidity
m/d/y	hh:mm:ss	°C	uS/cm	mg/L	s.u.	NTU
8/11/2005	23:00:00	32.82	253	8.74	8.30	7.0
8/11/2005	23:15:00	32.75	253	8.81	8.30	7.4
8/11/2005	23:29:59	32.70	254	8.85	8.27	7.6
8/11/2005	23:45:00	32.66	252	9.07	8.32	7.2
8/12/2005	0:00:00	32.59	253	9.18	8.34	6.7
8/12/2005	0:14:59	32.52	252	9.18	8.35	6.8
8/12/2005	0:30:00	32.49	253	9.11	8.32	7.1
8/12/2005	0:45:00	32.43	253	9.04	8.31	7.1
8/12/2005	1:00:00	32.36	253	9.05	8.31	6.4
8/12/2005	1:14:59	32.30	252	9.08	8.32	6.3
8/12/2005	1:30:00	32.24	253	9.04	8.31	6.5
8/12/2005	1:45:00	32.16	253	8.96	8.28	6.7
8/12/2005	1:59:59	32.12	253	8.62	8.21	7.9
8/12/2005	2:14:59	32.06	254	8.51	8.19	7.5
8/12/2005	2:30:00	31.99	254	8.43	8.18	7.7
8/12/2005	2:45:00	31.93	254	8.32	8.14	7.6
8/12/2005	2:59:59	31.91	254	8.30	8.18	7.0
8/12/2005	3:15:00	31.87	254	8.54	8.21	6.7
8/12/2005	3:30:00	31.83	256	7.95	8.06	9.9
8/12/2005	3:44:59	31.77	256	7.92	8.09	10.9
8/12/2005	3:59:59	31.69	257	7.67	8.00	12.8
8/12/2005	4:15:00	31.62	257	7.39	7.95	13.6
8/12/2005	4:30:00	31.59	257	7.25	7.93	15.9
8/12/2005	4:44:59	31.55	257	7.17	7.92	16.2
8/12/2005	5:00:00	31.48	257	7.08	7.86	13.3
8/12/2005	5:15:00	31.41	257	6.96	7.84	13.6
8/12/2005	5:29:59	31.40	258	6.70	7.75	13.0
8/12/2005	5:45:00	31.37	257	6.58	7.75	12.1
8/12/2005	6:00:00	31.32	257	6.70	7.79	10.8
8/12/2005	6:15:00	31.29	257	6.70	7.77	11.7
8/12/2005	6:29:59	31.24	258	6.63	7.75	11.7
8/12/2005	6:45:00	31.22	257	6.60	7.74	12.0
8/12/2005	7:00:00	31.19	258	6.56	7.76	12.9
8/12/2005	7:14:59	31.17	258	6.54	7.76	12.7
8/12/2005	7:30:00	31.16	258	6.51	7.75	12.6
8/12/2005	7:45:00	31.16	258	6.51	7.74	12.5
8/12/2005	7:59:59	31.14	258	6.53	7.77	11.2
8/12/2005	8:14:59	31.16	258	6.55	7.77	11.0
8/12/2005	8:30:00	31.18	257	6.85	7.86	10.8
8/12/2005	8:45:00	31.19	257	7.08	7.83	9.9
8/12/2005	8:59:59	31.18	257	7.00	7.77	10.8
8/12/2005	9:15:00	31.26	257	7.15	7.85	10.0
8/12/2005	9:30:00	31.23	256	7.64	7.91	9.0
8/12/2005	9:44:59	31.23	256	7.74	7.96	8.3
8/12/2005	10:00:00	31.25	256	7.82	7.95	9.1
8/12/2005	10:15:00	31.38	255	8.16	8.05	9.6
8/12/2005	10:29:59	31.51	255	8.21	8.08	10.1

## Sonde Summary

TR3.8 - 1 Foot

August 2005

Date	Time	Temp	SpCond	DO	pH	Turbidity
m/d/y	hh:mm:ss	°C	uS/cm	mg/L	s.u.	NTU
8/12/2005	10:44:59	31.39	256	8.15	8.06	11.1
8/12/2005	11:00:00	31.54	255	9.00	8.23	9.2
8/12/2005	11:15:00	31.83	253	9.20	8.30	11.1
8/12/2005	11:29:59	31.80	253	9.44	8.33	10.5
8/12/2005	11:45:00	31.68	253	10.20	8.41	8.4
8/12/2005	12:00:00	31.95	253	10.34	8.36	10.3
8/12/2005	12:14:59	31.89	253	10.48	8.45	8.9
8/12/2005	12:30:00	31.81	253	10.77	8.48	8.4
8/12/2005	12:45:00	32.24	253	11.04	8.49	6.5
8/12/2005	12:59:59	32.38	252	10.55	8.50	6.8
8/12/2005	13:14:59	32.69	252	10.48	8.45	13.3
8/12/2005	13:30:00	32.60	251	10.69	8.47	9.4
8/12/2005	13:45:00	32.74	251	10.60	8.44	12.4
8/12/2005	13:59:59	33.11	249	9.53	8.22	7.6
8/12/2005	14:15:00	32.46	251	10.19	8.48	10.4
8/12/2005	14:30:00	33.02	253	9.72	8.21	13.7
8/12/2005	14:45:00	32.70	251	10.02	8.52	12.0
8/12/2005	14:59:59	33.13	250	10.14	8.45	-0.1
8/12/2005	15:15:00	33.18	249	10.26	8.44	-2.1
8/12/2005	15:30:00	33.55	248	10.32	8.49	8.6
8/12/2005	15:44:59	33.49	248	10.39	8.41	9.0
8/12/2005	16:00:00	34.06	245	9.64	8.22	8.9
8/12/2005	16:15:00	33.50	243	9.82	8.33	8.4
8/12/2005	16:30:00	33.20	245	10.02	8.36	9.0
8/12/2005	16:44:59	33.12	246	9.56	8.26	14.1
8/12/2005	17:00:00	32.94	246	9.47	8.31	11.6
8/12/2005	17:15:00	32.82	245	9.71	8.38	9.4
8/12/2005	17:29:59	32.70	248	9.99	8.48	7.6
8/12/2005	17:45:00	32.69	247	9.94	8.41	7.9
8/12/2005	18:00:00	32.61	247	9.95	8.40	7.8
8/12/2005	18:14:59	32.51	248	9.98	8.43	7.5
8/12/2005	18:29:59	32.46	248	9.56	8.26	14.8
8/12/2005	18:45:00	32.33	249	8.71	7.93	18.8
8/12/2005	19:00:00	32.21	249	8.69	8.23	11.5
8/12/2005	19:14:59	32.19	249	8.81	8.21	11.5
8/12/2005	19:30:00	32.17	250	8.41	7.92	17.8
8/12/2005	19:45:00	32.14	249	8.85	8.34	8.9
8/12/2005	19:59:59	32.07	249	9.24	8.42	7.4
8/12/2005	20:15:00	32.01	249	9.41	8.42	6.8
8/12/2005	20:30:00	31.94	250	9.49	8.35	7.1
8/12/2005	20:45:00	31.89	250	9.52	8.36	7.0
8/12/2005	20:59:59	31.83	251	9.33	8.22	8.4
8/12/2005	21:15:00	31.74	251	9.26	8.29	7.9
8/12/2005	21:30:00	31.71	251	9.13	8.24	8.9
8/12/2005	21:44:59	31.64	252	8.98	8.26	7.5
8/12/2005	21:59:59	31.59	252	9.09	8.29	6.4
8/12/2005	22:15:00	31.51	253	8.96	8.17	9.0

Sonde Summary

TR3.8 - 1 Foot

August 2005

Date	Time	Temp	SpCond	DO	pH	Turbidity
m/d/y	hh:mm:ss	°C	uS/cm	mg/L	s.u.	NTU
8/12/2005	22:30:00	31.49	253	8.68	8.10	9.5
8/12/2005	22:44:59	31.45	254	8.66	8.18	7.6
8/12/2005	23:00:00	31.39	255	8.66	8.18	6.5
8/12/2005	23:15:00	31.33	255	8.60	8.14	6.8
8/12/2005	23:30:00	31.32	255	8.55	8.14	7.0
8/12/2005	23:44:59	31.28	256	8.41	8.04	8.4
8/13/2005	0:00:00	31.23	257	8.26	8.07	7.3
8/13/2005	0:15:00	31.21	257	8.26	8.10	6.8
8/13/2005	0:29:59	31.17	257	8.06	8.00	8.3
8/13/2005	0:45:00	31.11	254	8.05	8.07	8.4
8/13/2005	1:00:00	31.07	255	8.01	8.02	8.1
8/13/2005	1:14:59	31.07	255	7.90	7.99	8.0
8/13/2005	1:29:59	31.05	255	7.80	7.94	8.4
8/13/2005	1:45:00	31.00	255	7.71	7.94	8.6
8/13/2005	2:00:00	30.97	255	7.64	7.95	7.2
8/13/2005	2:14:59	30.94	256	7.56	7.91	8.1
8/13/2005	2:30:00	30.93	257	7.45	7.87	7.6
8/13/2005	2:45:00	30.91	258	7.37	7.88	7.1
8/13/2005	2:59:59	30.91	259	7.40	7.91	6.9
8/13/2005	3:15:00	30.90	259	7.40	7.92	6.8
8/13/2005	3:30:00	30.87	259	7.41	7.93	6.7
8/13/2005	3:45:00	30.85	259	7.38	7.92	6.8
8/13/2005	3:59:59	30.84	260	7.29	7.87	7.2
8/13/2005	4:15:00	30.79	260	7.24	7.88	7.0
8/13/2005	4:30:00	30.77	260	7.16	7.85	7.2
8/13/2005	4:44:59	30.75	260	7.09	7.85	7.0
8/13/2005	5:00:00	30.68	260	7.04	7.82	6.5
8/13/2005	5:15:00	30.70	261	6.99	7.79	8.0
8/13/2005	5:30:00	30.67	261	6.86	7.74	7.7
8/13/2005	5:44:59	30.65	262	6.68	7.67	8.5
8/13/2005	6:00:00	30.62	263	6.21	7.62	8.1
8/13/2005	6:15:00	30.59	264	5.92	7.62	8.0
8/13/2005	6:29:59	30.59	263	5.95	7.65	8.6
8/13/2005	6:45:00	30.56	264	5.90	7.61	8.7
8/13/2005	7:00:00	30.54	265	5.73	7.59	8.0
<b>MAX</b>		35.12	265.00	11.56	8.61	18.80
<b>MIN</b>		30.54	243.00	5.73	7.59	-2.10
<b>AVG</b>		32.22	253.80	8.95	8.20	8.49

Sonde Summary  
 TR3.8 - 5 Feet  
 August 2005

Date m/d/y	Time hh:mm:ss	Temp °C	SpCond uS/cm	DO mg/L	pH s.u.	Turbidity NTU
8/11/2005	11:45:00	30.64	258	7.18	8.28	9.7
8/11/2005	11:59:59	30.92	252	8.23	8.48	8.9
8/11/2005	12:14:59	30.83	252	8.00	8.44	9.2
8/11/2005	12:30:00	30.78	253	7.65	8.38	9.0
8/11/2005	12:45:00	30.79	255	7.34	8.29	10.6
8/11/2005	12:59:59	30.85	253	7.78	8.38	9.0
8/11/2005	13:15:00	30.74	255	7.16	8.27	8.3
8/11/2005	13:30:00	30.82	254	7.40	8.32	10.6
8/11/2005	13:44:59	30.99	251	8.27	8.50	9.8
8/11/2005	14:00:00	30.82	253	7.46	8.30	9.7
8/11/2005	14:15:00	30.84	254	7.41	8.29	9.7
8/11/2005	14:29:59	30.86	254	7.35	8.27	9.0
8/11/2005	14:44:59	30.90	253	7.64	8.32	9.0
8/11/2005	15:00:00	30.89	253	7.58	8.31	8.9
8/11/2005	15:15:00	30.81	255	7.11	8.22	9.2
8/11/2005	15:29:59	30.85	254	7.33	8.26	8.9
8/11/2005	15:45:00	30.77	257	6.82	8.19	8.6
8/11/2005	16:00:00	30.78	257	7.02	8.20	9.8
8/11/2005	16:14:59	30.92	254	7.75	8.35	10.1
8/11/2005	16:30:00	30.84	255	7.26	8.25	8.7
8/11/2005	16:45:00	30.83	254	7.04	8.21	8.7
8/11/2005	17:00:00	30.78	255	6.88	8.14	8.5
8/11/2005	17:14:59	30.76	257	6.71	8.14	8.6
8/11/2005	17:30:00	30.85	255	7.15	8.23	7.6
8/11/2005	17:45:00	30.84	255	7.14	8.25	7.3
8/11/2005	17:59:59	30.82	257	6.52	8.15	8.3
8/11/2005	18:15:00	30.87	255	7.06	8.23	8.0
8/11/2005	18:30:00	30.88	255	7.25	8.29	8.2
8/11/2005	18:44:59	30.73	260	6.30	8.09	9.3
8/11/2005	18:59:59	30.74	260	6.34	8.07	8.0
8/11/2005	19:15:00	30.73	259	6.53	8.09	8.1
8/11/2005	19:30:00	30.64	262	6.12	7.99	7.0
8/11/2005	19:44:59	30.69	260	6.27	8.04	7.9
8/11/2005	20:00:00	30.78	259	6.40	8.07	9.4
8/11/2005	20:15:00	30.77	258	6.47	8.06	8.3
8/11/2005	20:29:59	30.58	264	5.47	7.84	7.7
8/11/2005	20:45:00	30.70	260	5.96	7.95	7.6
8/11/2005	21:00:00	30.69	261	5.67	7.90	7.5
8/11/2005	21:14:59	30.67	262	5.78	7.91	7.3
8/11/2005	21:29:59	30.83	258	6.37	8.07	7.2
8/11/2005	21:45:00	30.73	260	6.12	7.97	8.1
8/11/2005	22:00:00	30.80	259	6.22	8.05	7.5
8/11/2005	22:14:59	30.74	260	6.16	7.98	6.4
8/11/2005	22:30:00	30.83	259	6.32	8.03	8.1
8/11/2005	22:45:00	30.79	261	5.98	7.94	10.0

## Sonde Summary

TR3.8 - 5 Feet

August 2005

Date	Time	Temp	SpCond	DO	pH	Turbidity
m/d/y	hh:mm:ss	°C	uS/cm	mg/L	s.u.	NTU
8/11/2005	22:59:59	30.87	259	6.60	8.10	8.5
8/11/2005	23:15:00	30.86	258	6.71	8.11	7.6
8/11/2005	23:30:00	30.80	262	5.77	7.91	14.8
8/11/2005	23:44:59	30.78	262	5.83	7.92	11.4
8/11/2005	23:59:59	30.88	259	6.51	8.12	8.4
8/12/2005	0:15:00	30.78	260	6.25	8.04	7.5
8/12/2005	0:30:00	30.66	263	5.64	7.93	8.1
8/12/2005	0:44:59	30.77	261	6.23	8.05	7.9
8/12/2005	1:00:00	30.97	257	6.84	8.20	8.1
8/12/2005	1:15:00	30.81	259	6.25	8.02	8.6
8/12/2005	1:29:59	30.81	260	6.26	8.05	8.6
8/12/2005	1:45:00	30.72	263	5.76	7.94	7.3
8/12/2005	2:00:00	30.79	261	6.11	8.01	8.5
8/12/2005	2:14:59	30.67	264	5.34	7.87	7.8
8/12/2005	2:29:59	30.71	263	5.76	7.93	7.7
8/12/2005	2:45:00	30.72	263	5.75	7.92	8.0
8/12/2005	3:00:00	30.77	261	6.03	7.98	7.6
8/12/2005	3:14:59	30.73	262	5.69	7.86	8.6
8/12/2005	3:30:00	30.88	259	6.49	8.03	8.5
8/12/2005	3:45:00	30.81	259	5.79	7.84	9.0
8/12/2005	3:59:59	30.77	262	4.97	7.74	11.4
8/12/2005	4:15:00	30.65	264	4.71	7.64	10.6
8/12/2005	4:30:00	30.75	264	5.03	7.75	10.1
8/12/2005	4:44:59	30.80	263	5.23	7.80	10.3
8/12/2005	4:59:59	30.86	261	5.22	7.74	11.4
8/12/2005	5:15:00	31.10	256	6.14	8.09	10.6
8/12/2005	5:30:00	30.81	259	4.50	7.56	11.2
8/12/2005	5:44:59	30.77	252	4.27	7.49	11.4
8/12/2005	6:00:00	30.86	256	4.86	7.57	12.1
8/12/2005	6:15:00	30.73	257	3.94	7.49	12.3
8/12/2005	6:29:59	30.57	262	3.68	7.47	9.6
8/12/2005	6:45:00	30.55	262	3.73	7.47	10.4
8/12/2005	7:00:00	30.73	259	3.81	7.52	10.3
8/12/2005	7:14:59	30.65	262	3.61	7.48	10.9
8/12/2005	7:29:59	30.50	265	2.99	7.42	9.7
8/12/2005	7:45:00	30.55	264	2.93	7.41	10.6
8/12/2005	8:00:00	30.59	264	3.17	7.44	10.1
8/12/2005	8:14:59	30.79	260	4.33	7.60	9.6
8/12/2005	8:30:00	30.77	261	3.97	7.53	11.8
8/12/2005	8:45:00	30.79	261	4.32	7.64	12.6
8/12/2005	8:59:59	30.70	261	4.11	7.58	14.8
8/12/2005	9:15:00	30.82	260	4.43	7.66	16.4
8/12/2005	9:30:00	30.87	257	5.26	7.74	14.4
8/12/2005	9:45:00	30.65	264	3.54	7.51	8.1
8/12/2005	9:59:59	30.80	261	4.20	7.62	9.7
8/12/2005	10:15:00	30.77	262	4.45	7.63	10.1
8/12/2005	10:30:00	30.90	256	5.34	7.78	16.2



## Sonde Summary

TR3.8 - 5 Feet

August 2005

Date	Time	Temp	SpCond	DO	pH	Turbidity
m/d/y	hh:mm:ss	°C	uS/cm	mg/L	s.u.	NTU
8/12/2005	10:44:59	30.64	264	3.70	7.51	12.5
8/12/2005	11:00:00	30.81	260	4.51	7.69	13.2
8/12/2005	11:15:00	30.78	260	4.54	7.62	12.8
8/12/2005	11:29:59	30.95	256	5.77	7.85	12.4
8/12/2005	11:44:59	30.87	258	4.37	7.70	13.9
8/12/2005	12:00:00	30.86	259	4.86	7.70	13.9
8/12/2005	12:15:00	30.80	261	4.58	7.65	13.6
8/12/2005	12:29:59	30.90	258	5.17	7.77	12.5
8/12/2005	12:45:00	30.72	267	4.24	7.61	11.1
8/12/2005	13:00:00	30.84	262	5.01	7.74	12.5
8/12/2005	13:14:59	30.84	263	4.37	7.67	12.3
8/12/2005	13:29:59	30.88	260	4.72	7.69	14.4
8/12/2005	13:45:00	30.91	259	4.53	7.62	18.5
8/12/2005	14:00:00	31.00	258	6.45	7.97	11.1
8/12/2005	14:14:59	31.05	256	5.56	7.80	12.7
8/12/2005	14:30:00	30.92	260	4.83	7.70	15.0
8/12/2005	14:45:00	31.00	257	5.37	7.79	14.7
8/12/2005	14:59:59	30.97	259	5.23	7.77	15.1
8/12/2005	15:15:00	31.10	256	5.77	7.87	13.7
8/12/2005	15:30:00	31.12	255	6.29	8.00	13.4
8/12/2005	15:44:59	30.97	258	5.63	7.87	12.4
8/12/2005	15:59:59	31.24	255	7.06	8.13	12.7
8/12/2005	16:15:00	31.12	256	7.80	8.34	7.2
8/12/2005	16:30:00	30.72	267	3.96	7.58	13.9
8/12/2005	16:44:59	30.96	263	5.09	7.74	16.4
8/12/2005	17:00:00	31.08	259	6.37	7.96	11.5
8/12/2005	17:15:00	31.06	259	5.29	7.83	14.9
8/12/2005	17:29:59	30.40	283	2.24	7.43	13.3
8/12/2005	17:45:00	30.82	265	4.01	7.63	11.7
8/12/2005	18:00:00	30.80	268	4.29	7.64	14.5
8/12/2005	18:14:59	30.99	263	5.14	7.76	12.7
8/12/2005	18:29:59	31.14	262	7.11	8.26	9.0
8/12/2005	18:45:00	31.40	258	8.13	8.45	9.9
8/12/2005	19:00:00	31.00	266	6.01	8.00	10.4
8/12/2005	19:14:59	30.96	267	6.09	8.00	10.8
8/12/2005	19:30:00	31.00	264	7.31	8.30	8.7
8/12/2005	19:45:00	31.16	263	7.02	8.25	11.3
8/12/2005	19:59:59	31.19	262	7.68	8.39	8.4
8/12/2005	20:15:00	31.21	261	8.04	8.46	7.6
8/12/2005	20:30:00	31.39	258	8.47	8.53	7.7
8/12/2005	20:44:59	30.87	269	6.28	8.07	7.7
8/12/2005	20:59:59	30.62	279	4.46	7.68	8.4
8/12/2005	21:15:00	30.60	280	3.67	7.58	9.2
8/12/2005	21:30:00	30.80	272	5.20	7.83	8.3
8/12/2005	21:44:59	30.68	277	4.50	7.74	7.7
8/12/2005	22:00:00	30.89	273	5.32	7.89	7.6
8/12/2005	22:15:00	30.83	272	5.12	7.83	8.3

Sonde Summary

TR3.8 - 5 Feet

August 2005

Date	Time	Temp	SpCond	DO	pH	Turbidity
m/d/y	hh:mm:ss	°C	uS/cm	mg/L	s.u.	NTU
8/12/2005	22:29:59	31.02	268	6.31	8.05	8.4
8/12/2005	22:44:59	30.92	271	5.57	7.92	8.1
8/12/2005	23:00:00	30.89	271	5.36	7.81	8.1
8/12/2005	23:15:00	30.87	271	5.49	7.84	8.8
8/12/2005	23:29:59	31.05	267	5.73	7.97	8.7
8/12/2005	23:45:00	31.17	257	7.41	8.30	7.7
8/13/2005	0:00:00	31.12	261	6.73	8.17	9.3
8/13/2005	0:14:59	31.08	257	6.90	8.30	8.4
8/13/2005	0:30:00	31.04	258	6.34	8.04	10.7
8/13/2005	0:45:00	31.04	252	7.73	8.39	8.8
8/13/2005	1:00:00	31.02	252	7.83	8.41	8.3
8/13/2005	1:14:59	30.99	252	7.47	8.35	7.9
8/13/2005	1:30:00	30.97	252	7.52	8.32	8.0
8/13/2005	1:45:00	30.94	252	7.51	8.34	7.6
8/13/2005	1:59:59	30.90	253	7.38	8.30	8.2
8/13/2005	2:14:59	30.89	253	7.39	8.30	7.8
8/13/2005	2:30:00	30.87	254	7.18	8.26	7.7
8/13/2005	2:45:00	30.85	255	7.21	8.27	7.5
8/13/2005	2:59:59	30.80	256	7.14	8.29	7.9
8/13/2005	3:15:00	30.81	256	7.37	8.31	7.0
8/13/2005	3:30:00	30.80	256	7.35	8.32	7.2
8/13/2005	3:44:59	30.77	256	7.33	8.30	7.3
8/13/2005	4:00:00	30.76	257	7.13	8.25	7.5
8/13/2005	4:15:00	30.73	256	7.15	8.26	7.1
8/13/2005	4:29:59	30.69	257	7.06	8.24	6.7
8/13/2005	4:44:59	30.66	257	6.98	8.22	7.2
8/13/2005	5:00:00	30.64	257	6.87	8.20	6.8
8/13/2005	5:15:00	30.63	257	6.90	8.20	7.7
8/13/2005	5:29:59	30.59	260	6.41	8.07	7.8
8/13/2005	5:45:00	30.57	259	6.46	8.08	8.4
8/13/2005	6:00:00	30.57	261	6.12	7.99	8.2
8/13/2005	6:14:59	30.54	260	6.09	7.99	8.1
8/13/2005	6:30:00	30.51	261	6.05	7.99	8.0
8/13/2005	6:45:00	30.49	260	6.03	7.99	8.6
8/13/2005	7:00:00	30.46	260	6.14	8.01	8.0
<b>MAX</b>		31.40	283.00	8.47	8.53	18.50
<b>MIN</b>		30.40	251.00	2.24	7.41	6.40
<b>AVG</b>		30.83	259.80	5.99	7.98	9.76

Sonde Summary  
 TR3.8 - Lower Layer  
 August 2005

Date m/d/y	Time hh:mm:ss	Temp °C	SpCond uS/cm	DO mg/L	pH s.u.	Turbidity NTU
8/11/2005	10:45:00	28.21	300	0.60	6.84	12.6
8/11/2005	10:59:59	28.30	302	0.40	6.99	11.7
8/11/2005	11:15:00	28.18	300	0.29	7.00	12.3
8/11/2005	11:30:00	28.20	299	0.24	7.01	11.9
8/11/2005	11:44:59	28.21	300	0.19	7.01	12.0
8/11/2005	12:00:00	28.16	298	0.15	7.00	13.0
8/11/2005	12:15:00	28.07	296	0.15	7.01	13.0
8/11/2005	12:30:00	28.08	296	0.14	7.00	12.2
8/11/2005	12:44:59	28.15	298	0.13	7.01	12.2
8/11/2005	13:00:00	28.08	296	0.12	7.01	12.1
8/11/2005	13:15:00	28.12	297	0.12	7.01	11.2
8/11/2005	13:29:59	28.12	297	0.11	6.99	12.8
8/11/2005	13:45:00	28.20	300	0.11	7.01	13.1
8/11/2005	14:00:00	28.24	302	0.11	7.01	13.6
8/11/2005	14:14:59	28.13	298	0.11	7.01	12.7
8/11/2005	14:30:00	28.26	302	0.10	7.01	13.7
8/11/2005	14:45:00	28.16	299	0.10	7.01	13.9
8/11/2005	15:00:00	28.14	299	0.10	7.01	13.0
8/11/2005	15:14:59	28.17	300	0.10	7.00	13.4
8/11/2005	15:30:00	28.19	300	0.10	7.02	13.9
8/11/2005	15:45:00	28.17	300	0.10	7.02	13.1
8/11/2005	15:59:59	28.14	298	0.10	7.02	13.6
8/11/2005	16:15:00	28.13	299	0.09	7.01	14.3
8/11/2005	16:30:00	28.18	299	0.10	7.02	12.3
8/11/2005	16:44:59	28.14	299	0.09	7.01	13.9
8/11/2005	17:00:00	28.23	302	0.09	7.01	16.2
8/11/2005	17:15:00	28.19	300	0.09	7.01	15.9
8/11/2005	17:29:59	28.20	301	0.09	7.02	15.8
8/11/2005	17:44:59	28.21	302	0.09	7.01	15.2
8/11/2005	18:00:00	28.29	304	0.09	6.99	15.5
8/11/2005	18:15:00	28.20	302	0.09	7.02	14.9
8/11/2005	18:29:59	28.19	301	0.09	7.02	14.4
8/11/2005	18:45:00	28.22	302	0.09	7.02	14.7
8/11/2005	19:00:00	28.21	302	0.09	7.00	16.7
8/11/2005	19:14:59	28.20	302	0.09	7.02	15.6
8/11/2005	19:30:00	28.14	299	0.09	7.01	15.9
8/11/2005	19:45:00	28.18	302	0.09	7.02	16.5
8/11/2005	19:59:59	28.19	300	0.09	7.01	14.8
8/11/2005	20:14:59	28.16	300	0.09	7.01	13.7
8/11/2005	20:30:00	28.21	300	0.09	7.02	14.2
8/11/2005	20:45:00	28.19	301	0.09	7.01	14.7
8/11/2005	20:59:59	28.22	301	0.09	7.02	13.4
8/11/2005	21:15:00	28.15	299	0.09	7.01	13.0
8/11/2005	21:30:00	28.18	299	0.09	7.02	12.3
8/11/2005	21:44:59	28.13	299	0.09	6.99	14.1

Sonde Summary  
TR3.8 - Lower Layer

August 2005

Date	Time	Temp	SpCond	DO	pH	Turbidity
m/d/y	hh:mm:ss	°C	uS/cm	mg/L	s.u.	NTU
8/11/2005	22:00:00	28.21	301	0.09	7.02	13.7
8/11/2005	22:15:00	28.15	300	0.09	7.01	14.7
8/11/2005	22:29:59	28.20	302	0.09	7.02	14.8
8/11/2005	22:44:59	28.22	303	0.09	7.00	16.8
8/11/2005	23:00:00	28.21	302	0.09	7.01	16.9
8/11/2005	23:15:00	28.21	302	0.09	7.01	15.9
8/11/2005	23:29:59	28.18	301	0.09	7.02	15.6
8/11/2005	23:45:00	28.18	301	0.09	7.01	13.7
8/12/2005	0:00:00	28.21	302	0.09	7.02	15.5
8/12/2005	0:14:59	28.26	303	0.09	7.02	15.8
8/12/2005	0:30:00	28.28	304	0.09	7.02	15.8
8/12/2005	0:45:00	28.23	304	0.09	7.02	14.5
8/12/2005	0:59:59	28.22	303	0.09	7.02	15.8
8/12/2005	1:14:59	28.16	302	0.09	7.02	13.8
8/12/2005	1:30:00	28.19	301	0.09	7.02	14.8
8/12/2005	1:45:00	28.19	302	0.09	7.02	15.5
8/12/2005	1:59:59	28.21	303	0.09	7.02	16.8
8/12/2005	2:15:00	28.18	302	0.09	7.01	16.3
8/12/2005	2:30:00	28.20	302	0.09	7.02	17.6
8/12/2005	2:44:59	28.20	304	0.09	7.02	16.3
8/12/2005	3:00:00	28.21	302	0.09	7.02	15.4
8/12/2005	3:15:00	28.19	303	0.09	7.02	17.4
8/12/2005	3:29:59	28.16	302	0.09	7.02	15.7
8/12/2005	3:44:59	28.16	303	0.09	7.02	17.5
8/12/2005	4:00:00	28.18	302	0.09	7.02	15.5
8/12/2005	4:15:00	28.18	304	0.09	7.02	15.6
8/12/2005	4:29:59	28.18	303	0.09	7.02	14.9
8/12/2005	4:45:00	28.19	303	0.09	7.02	15.6
8/12/2005	5:00:00	28.17	303	0.09	7.02	13.6
8/12/2005	5:14:59	28.20	303	0.09	7.02	13.7
8/12/2005	5:30:00	28.14	302	0.09	7.02	14.2
8/12/2005	5:45:00	28.19	303	0.09	7.02	14.4
8/12/2005	5:59:59	28.12	301	0.09	7.01	13.6
8/12/2005	6:14:59	28.11	300	0.09	7.01	14.7
8/12/2005	6:30:00	28.18	302	0.09	7.01	14.1
8/12/2005	6:45:00	28.14	302	0.09	7.02	14.2
8/12/2005	6:59:59	28.13	302	0.09	7.02	13.1
8/12/2005	7:15:00	28.14	302	0.09	7.02	13.4
8/12/2005	7:30:00	28.15	302	0.09	7.02	13.6
8/12/2005	7:44:59	28.17	302	0.10	7.01	14.2
8/12/2005	8:00:00	28.14	302	0.09	7.02	13.1
8/12/2005	8:15:00	28.17	302	0.09	7.02	14.8
8/12/2005	8:29:59	28.16	302	0.09	7.00	13.6
8/12/2005	8:44:59	28.17	302	0.09	7.02	13.5
8/12/2005	8:59:59	28.17	302	0.09	7.02	14.1
8/12/2005	9:15:00	28.21	303	0.09	7.02	14.2
8/12/2005	9:30:00	28.22	304	0.09	7.02	15.3

Sonde Summary  
TR3.8 - Lower Layer

August 2005

Date	Time	Temp	SpCond	DO	pH	Turbidity
m/d/y	hh:mm:ss	°C	uS/cm	mg/L	s.u.	NTU
8/12/2005	9:44:59	28.10	301	0.09	7.02	14.1
8/12/2005	9:59:59	28.19	303	0.09	7.01	14.0
8/12/2005	10:15:00	28.11	301	0.09	7.02	13.9
8/12/2005	10:30:00	28.13	302	0.09	7.02	13.4
8/12/2005	10:44:59	28.09	301	0.09	7.02	13.1
8/12/2005	11:00:00	28.16	302	0.09	7.00	13.8
8/12/2005	11:15:00	28.12	302	0.09	7.02	14.1
8/12/2005	11:29:59	28.16	302	0.09	7.02	14.1
8/12/2005	11:45:00	28.20	303	0.09	7.02	13.8
8/12/2005	12:00:00	28.19	304	0.09	7.02	13.4
8/12/2005	12:14:59	28.19	303	0.09	7.02	13.3
8/12/2005	12:29:59	28.19	303	0.09	7.01	15.1
8/12/2005	12:45:00	28.20	303	0.09	7.01	14.7
8/12/2005	13:00:00	28.22	305	0.09	7.01	11.5
8/12/2005	13:14:59	28.16	303	0.09	7.02	13.6
8/12/2005	13:29:59	28.19	303	0.09	7.02	12.8
8/12/2005	13:44:59	28.19	304	0.09	7.02	13.3
8/12/2005	14:00:00	28.22	305	0.09	7.01	13.8
8/12/2005	14:15:00	28.17	303	0.09	7.02	13.1
8/12/2005	14:29:59	28.17	303	0.09	7.02	13.1
8/12/2005	14:45:00	28.19	304	0.09	7.00	14.1
8/12/2005	15:00:00	28.23	305	0.09	6.99	14.2
8/12/2005	15:14:59	28.16	303	0.09	7.01	13.4
8/12/2005	15:30:00	28.10	301	0.09	6.99	15.0
8/12/2005	15:45:00	28.05	302	0.09	7.02	14.1
8/12/2005	15:59:59	28.23	306	0.09	7.02	13.7
8/12/2005	16:14:59	28.19	304	0.09	6.99	14.1
8/12/2005	16:30:00	28.15	303	0.09	7.03	13.0
8/12/2005	16:45:00	28.26	304	0.09	7.03	12.5
8/12/2005	16:59:59	28.18	305	0.09	7.02	13.1
8/12/2005	17:15:00	28.10	301	0.09	7.02	14.0
8/12/2005	17:30:00	28.08	301	0.09	7.03	12.6
8/12/2005	17:44:59	28.14	303	0.09	7.02	12.5
8/12/2005	18:00:00	28.16	303	0.09	7.03	12.1
8/12/2005	18:15:00	28.28	307	0.09	7.03	12.2
8/12/2005	18:29:59	28.27	307	0.09	7.03	13.5
8/12/2005	18:44:59	28.09	301	0.09	7.02	12.8
8/12/2005	18:59:59	28.11	302	0.09	7.03	11.9
8/12/2005	19:15:00	28.17	304	0.10	7.02	14.0
8/12/2005	19:30:00	28.32	309	0.09	7.03	15.1
8/12/2005	19:44:59	28.31	310	0.09	7.03	14.6
8/12/2005	19:59:59	28.30	309	0.09	7.03	14.5
8/12/2005	20:15:00	28.19	304	0.09	7.03	13.5
8/12/2005	20:30:00	28.13	303	0.09	7.03	12.5
8/12/2005	20:44:59	28.12	302	0.09	7.02	12.8
8/12/2005	21:00:00	28.17	303	0.09	7.02	13.8
8/12/2005	21:15:00	28.20	305	0.09	7.03	14.3

Sonde Summary  
TR3.8 - Lower Layer

August 2005

Date	Time	Temp	SpCond	DO	pH	Turbidity
m/d/y	hh:mm:ss	°C	uS/cm	mg/L	s.u.	NTU
8/12/2005	21:29:59	28.41	311	0.09	7.04	14.1
8/12/2005	21:45:00	28.20	305	0.09	7.03	15.1
8/12/2005	22:00:00	28.19	304	0.09	7.03	13.1
8/12/2005	22:14:59	28.13	302	0.09	7.03	13.2
8/12/2005	22:29:59	28.13	302	0.09	7.03	12.7
8/12/2005	22:45:00	28.19	303	0.09	7.03	12.7
8/12/2005	23:00:00	28.32	309	0.09	7.03	12.5
8/12/2005	23:14:59	28.30	308	0.09	7.03	13.4
8/12/2005	23:30:00	28.22	306	0.09	7.03	12.0
8/12/2005	23:45:00	28.17	304	0.09	7.03	14.1
8/12/2005	23:59:59	28.17	303	0.09	7.03	13.1
8/13/2005	0:15:00	28.16	303	0.09	7.02	15.9
8/13/2005	0:30:00	28.18	304	0.09	7.02	15.4
8/13/2005	0:44:59	28.23	305	0.09	7.03	12.3
8/13/2005	0:59:59	28.27	307	0.09	7.03	12.6
8/13/2005	1:15:00	28.29	307	0.09	7.03	11.9
8/13/2005	1:30:00	28.26	307	0.09	7.03	12.3
8/13/2005	1:44:59	28.16	305	0.10	7.03	12.3
8/13/2005	2:00:00	28.07	301	0.09	7.03	13.2
8/13/2005	2:15:00	28.10	301	0.09	7.03	11.7
8/13/2005	2:29:59	28.10	302	0.09	7.03	11.5
8/13/2005	2:45:00	28.15	303	0.09	7.02	12.6
8/13/2005	3:00:00	28.12	303	0.09	7.02	13.4
8/13/2005	3:14:59	28.24	306	0.09	7.03	12.1
8/13/2005	3:29:59	28.18	305	0.09	7.03	12.9
8/13/2005	3:45:00	28.24	307	0.09	7.03	11.5
8/13/2005	4:00:00	28.16	304	0.09	7.03	11.4
8/13/2005	4:14:59	28.22	307	0.09	7.02	12.0
8/13/2005	4:30:00	28.10	303	0.09	7.03	12.6
8/13/2005	4:45:00	28.12	301	0.09	7.03	11.8
8/13/2005	4:59:59	28.16	304	0.09	7.02	11.4
8/13/2005	5:15:00	28.10	303	0.09	7.01	11.2
8/13/2005	5:30:00	28.20	303	0.09	7.03	12.0
8/13/2005	5:44:59	28.19	305	0.09	7.00	12.0
8/13/2005	5:59:59	28.18	305	0.09	7.03	12.8
8/13/2005	6:15:00	28.17	305	0.09	7.02	12.5
8/13/2005	6:30:00	28.29	307	0.09	7.04	13.0
8/13/2005	6:44:59	28.21	307	0.09	7.03	12.9
8/13/2005	7:00:00	28.19	305	0.09	7.03	10.8
<b>MAX</b>		28.41	311.00	0.60	7.04	17.60
<b>MIN</b>		28.05	296.00	0.09	6.84	10.80
<b>AVG</b>		28.18	302.52	0.10	7.02	13.78

Sonde Summary  
 TR1.3 - 1 Foot  
 August 2005

Date m/d/y	Time hh:mm:ss	Temp °C	SpCond uS/cm	DO mg/L	pH s.u.	Turbidity NTU
8/11/2005	12:29:59	31.33	234	6.71	7.85	12.3
8/11/2005	12:45:00	31.11	235	7.59	8.11	13.2
8/11/2005	13:00:00	31.26	237	7.86	8.15	12.3
8/11/2005	13:14:59	30.89	234	7.37	8.01	13.0
8/11/2005	13:30:00	31.48	237	8.42	8.30	11.4
8/11/2005	13:45:00	31.32	236	8.46	8.32	11.6
8/11/2005	13:59:59	32.41	234	8.95	8.46	11.7
8/11/2005	14:14:59	31.45	234	8.86	8.42	11.8
8/11/2005	14:30:00	32.41	233	9.07	8.53	10.9
8/11/2005	14:45:00	31.53	234	8.97	8.46	4.0
8/11/2005	14:59:59	32.02	234	9.36	8.56	2.6
8/11/2005	15:14:59	32.46	236	9.23	8.54	7.3
8/11/2005	15:29:59	33.17	245	9.01	8.52	7.7
8/11/2005	15:45:00	33.01	243	9.26	8.57	9.8
8/11/2005	16:00:00	32.80	242	9.34	8.59	9.9
8/11/2005	16:14:59	32.04	237	9.12	8.60	11.0
8/11/2005	16:30:00	32.10	238	9.44	8.62	10.8
8/11/2005	16:45:00	31.22	235	9.28	8.50	14.5
8/11/2005	16:59:59	31.49	235	9.33	8.59	14.0
8/11/2005	17:15:00	31.74	236	9.23	8.55	15.0
8/11/2005	17:29:59	31.66	238	9.28	8.56	16.6
8/11/2005	17:45:00	31.82	246	8.85	8.42	23.7
8/11/2005	18:00:00	31.97	253	8.65	8.33	25.0
8/11/2005	18:14:59	31.96	255	8.67	8.29	20.4
8/11/2005	18:30:00	32.51	259	8.79	8.44	15.5
8/11/2005	18:45:00	32.74	256	8.93	8.53	13.0
8/11/2005	19:00:00	32.56	256	8.64	8.50	12.9
8/11/2005	19:14:59	32.65	259	9.06	8.53	12.4
8/11/2005	19:30:00	32.38	260	8.87	8.42	13.2
8/11/2005	19:45:00	32.38	263	8.78	8.42	13.3
8/11/2005	19:59:59	32.35	267	8.60	8.35	13.6
8/11/2005	20:15:00	32.12	263	8.30	8.08	16.4
8/11/2005	20:30:00	32.14	264	8.31	8.26	14.2
8/11/2005	20:44:59	32.02	263	8.23	8.24	14.3
8/11/2005	21:00:00	31.89	259	8.15	8.25	13.7
8/11/2005	21:15:00	31.85	257	8.18	8.27	13.6
8/11/2005	21:30:00	31.80	254	8.22	8.29	12.5
8/11/2005	21:44:59	31.72	252	8.31	8.33	11.7
8/11/2005	21:59:59	31.67	258	8.30	8.30	11.4
8/11/2005	22:15:00	31.65	261	8.20	8.27	12.0
8/11/2005	22:30:00	31.68	265	8.13	8.22	12.5
8/11/2005	22:45:00	31.65	267	8.15	8.20	12.5
8/11/2005	22:59:59	31.65	266	8.06	8.20	12.7
8/11/2005	23:15:00	31.58	268	7.99	8.14	13.0
8/11/2005	23:30:00	31.55	267	7.91	8.13	12.6

## Sonde Summary

TR1.3 - 1 Foot

August 2005

Date m/d/y	Time hh:mm:ss	Temp °C	SpCond uS/cm	DO mg/L	pH s.u.	Turbidity NTU
8/11/2005	23:44:59	31.50	267	7.92	8.10	12.9
8/12/2005	0:00:00	31.45	267	7.86	8.09	12.7
8/12/2005	0:15:00	31.40	266	7.85	8.09	12.5
8/12/2005	0:29:59	31.35	266	7.73	8.05	12.5
8/12/2005	0:45:00	31.32	267	7.72	8.04	12.1
8/12/2005	1:00:00	31.33	267	7.62	8.00	12.1
8/12/2005	1:15:00	31.35	267	7.51	7.96	12.2
8/12/2005	1:29:59	31.38	267	7.36	7.91	12.2
8/12/2005	1:45:00	31.40	266	7.22	7.88	11.9
8/12/2005	2:00:00	31.37	264	7.08	7.85	11.7
8/12/2005	2:14:59	31.31	265	7.03	7.84	11.2
8/12/2005	2:30:00	31.30	267	7.09	7.84	11.4
8/12/2005	2:45:00	31.28	265	7.02	7.81	12.3
8/12/2005	2:59:59	31.20	272	7.17	7.79	13.0
8/12/2005	3:15:00	31.24	273	7.14	7.78	12.3
8/12/2005	3:30:00	31.22	274	7.12	7.77	12.4
8/12/2005	3:45:00	31.24	274	7.10	7.76	12.6
8/12/2005	3:59:59	31.21	271	6.92	7.73	12.8
8/12/2005	4:15:00	31.17	264	6.71	7.71	13.6
8/12/2005	4:30:00	31.16	263	6.64	7.67	14.3
8/12/2005	4:44:59	31.09	245	6.20	7.67	15.3
8/12/2005	5:00:00	31.03	244	6.07	7.63	15.6
8/12/2005	5:14:59	30.95	243	6.07	7.64	15.1
8/12/2005	5:30:00	30.95	244	5.91	7.59	15.6
8/12/2005	5:45:00	30.92	246	5.84	7.57	16.1
8/12/2005	5:59:59	30.88	249	6.04	7.61	15.9
8/12/2005	6:15:00	30.84	250	6.11	7.63	16.0
8/12/2005	6:30:00	30.82	250	5.87	7.58	17.0
8/12/2005	6:44:59	30.77	251	6.00	7.61	16.8
8/12/2005	7:00:00	30.70	248	6.26	7.69	16.4
8/12/2005	7:15:00	30.71	246	6.22	7.70	16.7
8/12/2005	7:30:00	30.71	246	6.12	7.67	15.5
8/12/2005	7:44:59	30.71	246	6.00	7.65	15.0
8/12/2005	8:00:00	30.72	246	5.90	7.63	14.8
8/12/2005	8:15:00	30.73	246	6.03	7.66	14.5
8/12/2005	8:29:59	30.77	246	6.49	7.76	15.0
8/12/2005	8:45:00	30.84	250	6.58	7.75	14.9
8/12/2005	9:00:00	30.85	250	6.50	7.73	15.0
8/12/2005	9:14:59	30.93	251	6.57	7.73	14.6
8/12/2005	9:30:00	30.83	248	5.89	7.59	15.5
8/12/2005	9:45:00	30.86	248	6.17	7.64	16.0
8/12/2005	10:00:00	30.88	248	6.29	7.67	14.5
8/12/2005	10:14:59	30.93	248	6.55	7.75	14.7
8/12/2005	10:30:00	30.89	248	6.53	7.71	15.2
8/12/2005	10:44:59	31.02	249	7.14	7.90	15.0
8/12/2005	11:00:00	31.14	249	7.69	8.11	12.9
8/12/2005	11:15:00	31.18	250	7.40	8.00	12.7



## Sonde Summary

TR1.3 - 1 Foot

August 2005

Date m/d/y	Time hh:mm:ss	Temp °C	SpCond uS/cm	DO mg/L	pH s.u.	Turbidity NTU
8/12/2005	11:29:59	31.63	250	8.06	8.24	10.1
8/12/2005	11:44:59	31.67	250	8.25	8.31	9.2
8/12/2005	11:59:59	31.57	248	8.53	8.36	11.1
8/12/2005	12:14:59	31.83	248	8.42	8.36	11.4
8/12/2005	12:30:00	31.78	249	8.57	8.41	11.9
8/12/2005	12:44:59	31.65	248	8.55	8.36	13.0
8/12/2005	13:00:00	31.90	248	8.30	8.36	12.4
8/12/2005	13:14:59	31.91	248	8.51	8.40	12.2
8/12/2005	13:30:00	32.11	249	8.87	8.48	11.7
8/12/2005	13:45:00	32.44	249	8.94	8.54	11.5
8/12/2005	13:59:59	32.49	250	8.82	8.51	11.2
8/12/2005	14:15:00	32.65	250	8.72	8.49	11.1
8/12/2005	14:30:00	32.57	250	8.93	8.55	12.0
8/12/2005	14:44:59	32.46	248	9.28	8.63	12.0
8/12/2005	15:00:00	32.58	248	9.37	8.65	11.4
8/12/2005	15:14:59	33.05	250	9.03	8.61	11.4
8/12/2005	15:30:00	32.76	249	9.46	8.71	11.4
8/12/2005	15:44:59	33.14	251	9.32	8.64	11.4
8/12/2005	16:00:00	32.87	248	9.43	8.66	11.6
8/12/2005	16:15:00	31.83	252	6.59	7.90	19.6
8/12/2005	16:29:59	31.44	250	6.29	7.85	19.1
8/12/2005	16:45:00	31.60	251	6.54	7.93	19.9
8/12/2005	16:59:59	31.54	250	6.59	7.88	16.9
8/12/2005	17:15:00	31.54	250	6.59	7.89	16.6
8/12/2005	17:30:00	31.49	273	6.76	7.95	15.5
8/12/2005	17:44:59	31.19	277	5.87	7.71	17.7
8/12/2005	18:00:00	31.27	277	6.30	7.90	16.3
8/12/2005	18:15:00	31.35	276	6.65	7.99	16.5
8/12/2005	18:30:00	31.31	277	6.35	7.88	16.6
8/12/2005	18:44:59	31.29	276	6.56	7.96	17.9
8/12/2005	19:00:00	31.33	276	6.55	7.94	19.3
8/12/2005	19:15:00	31.25	277	6.27	7.85	19.2
8/12/2005	19:29:59	31.23	277	6.31	7.86	20.0
8/12/2005	19:45:00	31.19	277	5.97	7.76	20.3
8/12/2005	20:00:00	31.09	278	5.54	7.67	20.2
8/12/2005	20:14:59	31.05	278	5.33	7.63	20.5
8/12/2005	20:30:00	31.01	278	5.38	7.63	19.4
8/12/2005	20:45:00	30.97	278	5.42	7.64	19.1
8/12/2005	20:59:59	30.98	278	5.32	7.61	20.2
8/12/2005	21:14:59	30.97	278	5.21	7.59	21.1
8/12/2005	21:30:00	30.98	278	5.19	7.59	22.0
8/12/2005	21:45:00	30.97	278	5.11	7.58	21.2
8/12/2005	21:59:59	30.90	279	4.99	7.56	20.3
8/12/2005	22:15:00	30.91	279	4.92	7.55	20.2
8/12/2005	22:30:00	30.86	281	4.80	7.51	20.3
8/12/2005	22:44:59	30.82	282	4.73	7.51	20.5
8/12/2005	23:00:00	30.82	283	4.64	7.49	19.8

Sonde Summary

TR1.3 - 1 Foot

August 2005

Date m/d/y	Time hh:mm:ss	Temp °C	SpCond uS/cm	DO mg/L	pH s.u.	Turbidity NTU
8/12/2005	23:15:00	30.79	283	4.79	7.51	19.7
8/12/2005	23:29:59	30.75	283	4.67	7.50	19.4
8/12/2005	23:44:59	30.74	284	4.57	7.48	20.0
8/13/2005	0:00:00	30.71	284	4.43	7.47	19.8
8/13/2005	0:14:59	30.68	284	4.34	7.46	20.2
8/13/2005	0:30:00	30.66	284	4.17	7.43	20.4
8/13/2005	0:45:00	30.65	284	4.20	7.44	20.2
8/13/2005	0:59:59	30.64	284	3.99	7.42	20.6
8/13/2005	1:15:00	30.60	284	3.81	7.40	20.5
8/13/2005	1:30:00	30.57	285	4.37	7.47	18.9
8/13/2005	1:44:59	30.54	285	4.51	7.49	17.9
8/13/2005	2:00:00	30.50	285	4.47	7.49	17.8
8/13/2005	2:15:00	30.49	285	4.45	7.50	17.9
8/13/2005	2:29:59	30.48	285	4.24	7.47	17.0
8/13/2005	2:45:00	30.44	285	4.38	7.47	16.2
8/13/2005	3:00:00	30.43	285	3.99	7.44	17.9
8/13/2005	3:15:00	30.40	285	4.31	7.45	17.0
8/13/2005	3:29:59	30.36	285	4.31	7.45	16.9
8/13/2005	3:45:00	30.36	285	4.27	7.44	17.4
8/13/2005	4:00:00	30.32	285	4.10	7.43	17.1
8/13/2005	4:14:59	30.25	285	4.41	7.45	16.5
8/13/2005	4:30:00	30.26	285	4.32	7.44	16.4
8/13/2005	4:45:00	30.25	286	4.03	7.41	16.9
8/13/2005	4:59:59	30.25	286	3.94	7.40	17.2
8/13/2005	5:15:00	30.23	286	3.56	7.36	17.5
8/13/2005	5:30:00	30.20	286	3.58	7.36	16.7
8/13/2005	5:44:59	30.17	286	3.70	7.38	15.4
8/13/2005	5:59:59	30.16	286	3.52	7.36	15.9
8/13/2005	6:15:00	30.11	286	3.65	7.37	15.8
8/13/2005	6:30:00	30.09	286	3.79	7.39	15.3
8/13/2005	6:44:59	30.01	287	4.02	7.41	15.6
8/13/2005	7:00:00	29.99	287	4.10	7.42	14.5
<b>MAX</b>		33.17	287.00	9.46	8.71	25.00
<b>MIN</b>		29.99	233.00	3.52	7.36	2.60
<b>AVG</b>		31.32	261.63	6.82	7.94	14.97

Sonde Summary  
 TR1.3 - 5 Feet  
 August 2005

Date m/d/y	Time hh:mm:ss	Temp °C	SpCond uS/cm	DO mg/L	pH s.u.	Turbidity NTU
8/11/2005	12:30:00	30.02	222	5.34	7.26	14.8
8/11/2005	12:44:59	30.03	222	4.99	7.31	16.9
8/11/2005	13:00:00	30.05	221	5.03	7.34	14.6
8/11/2005	13:15:00	30.04	222	4.96	7.34	14.5
8/11/2005	13:29:59	30.09	222	5.23	7.38	13.4
8/11/2005	13:45:00	30.12	222	5.18	7.41	12.5
8/11/2005	14:00:00	30.20	221	5.26	7.43	13.3
8/11/2005	14:14:59	30.05	222	5.00	7.38	14.4
8/11/2005	14:30:00	30.14	222	5.28	7.40	13.6
8/11/2005	14:45:00	30.07	222	5.05	7.37	14.5
8/11/2005	15:00:00	30.07	222	4.91	7.35	15.7
8/11/2005	15:14:59	30.01	222	4.46	7.30	20.3
8/11/2005	15:30:00	30.02	222	4.16	7.26	22.8
8/11/2005	15:45:00	30.13	223	4.71	7.32	18.3
8/11/2005	15:59:59	30.12	223	4.56	7.30	17.8
8/11/2005	16:15:00	30.06	226	4.28	7.26	17.2
8/11/2005	16:30:00	30.15	227	4.30	7.30	21.7
8/11/2005	16:44:59	30.13	231	3.45	7.29	18.1
8/11/2005	17:00:00	30.13	230	3.56	7.29	19.5
8/11/2005	17:15:00	30.24	229	4.16	7.33	21.3
8/11/2005	17:30:00	30.15	232	3.26	7.28	21.7
8/11/2005	17:44:59	30.08	232	3.02	7.24	21.3
8/11/2005	18:00:00	30.27	231	3.75	7.30	37.9
8/11/2005	18:15:00	30.25	232	3.70	7.32	25.0
8/11/2005	18:29:59	30.31	233	4.26	7.40	23.3
8/11/2005	18:45:00	30.23	233	3.73	7.37	28.5
8/11/2005	19:00:00	30.37	233	4.14	7.42	27.4
8/11/2005	19:14:59	30.41	232	4.69	7.48	27.0
8/11/2005	19:30:00	30.27	232	3.74	7.36	33.2
8/11/2005	19:45:00	30.51	233	4.65	7.46	27.7
8/11/2005	20:00:00	30.50	230	4.57	7.38	30.7
8/11/2005	20:14:59	30.46	231	4.72	7.36	40.7
8/11/2005	20:30:00	30.72	233	5.58	7.46	29.3
8/11/2005	20:45:00	30.46	230	4.71	7.34	41.1
8/11/2005	20:59:59	30.76	230	5.88	7.54	24.3
8/11/2005	21:15:00	30.51	230	4.74	7.41	36.1
8/11/2005	21:30:00	30.57	230	4.35	7.35	38.7
8/11/2005	21:44:59	30.65	231	4.45	7.35	34.9
8/11/2005	22:00:00	30.65	232	4.36	7.37	34.9
8/11/2005	22:15:00	30.64	233	4.61	7.40	29.9
8/11/2005	22:30:00	30.76	232	4.77	7.38	29.1
8/11/2005	22:44:59	30.65	232	4.91	7.39	26.8
8/11/2005	23:00:00	30.60	230	4.64	7.43	20.0
8/11/2005	23:15:00	30.70	231	4.93	7.45	20.3
8/11/2005	23:29:59	30.51	231	4.69	7.40	19.7

## Sonde Summary

TR1.3 - 5 Feet

August 2005

Date	Time	Temp	SpCond	DO	pH	Turbidity
m/d/y	hh:mm:ss	°C	uS/cm	mg/L	s.u.	NTU
8/11/2005	23:45:00	30.58	231	4.65	7.42	20.7
8/12/2005	0:00:00	30.79	233	5.19	7.50	20.0
8/12/2005	0:14:59	30.46	231	4.23	7.37	19.6
8/12/2005	0:30:00	30.69	234	4.66	7.42	18.3
8/12/2005	0:45:00	30.57	231	4.35	7.40	18.3
8/12/2005	1:00:00	30.77	238	4.95	7.48	17.3
8/12/2005	1:14:59	30.80	231	4.97	7.49	17.3
8/12/2005	1:30:00	30.72	230	4.70	7.46	17.2
8/12/2005	1:45:00	30.68	230	4.62	7.44	16.9
8/12/2005	1:59:59	30.70	229	4.60	7.46	19.4
8/12/2005	2:15:00	30.72	228	4.73	7.47	19.1
8/12/2005	2:30:00	30.66	228	4.33	7.43	20.2
8/12/2005	2:44:59	30.67	229	4.36	7.45	18.8
8/12/2005	3:00:00	30.66	229	4.40	7.43	18.1
8/12/2005	3:15:00	30.58	230	4.19	7.41	17.7
8/12/2005	3:29:59	30.51	230	3.90	7.37	17.8
8/12/2005	3:44:59	30.48	230	3.70	7.32	18.3
8/12/2005	4:00:00	30.58	231	4.15	7.36	19.3
8/12/2005	4:15:00	30.57	231	4.12	7.37	17.2
8/12/2005	4:29:59	30.53	230	3.89	7.34	18.7
8/12/2005	4:45:00	30.32	229	3.25	7.28	19.7
8/12/2005	5:00:00	30.51	232	3.67	7.31	18.4
8/12/2005	5:14:59	30.63	229	3.60	7.25	22.8
8/12/2005	5:30:00	30.39	230	3.32	7.22	21.9
8/12/2005	5:45:00	30.74	230	4.09	7.31	22.0
8/12/2005	5:59:59	30.69	231	4.18	7.34	22.0
8/12/2005	6:14:59	30.78	236	5.39	7.53	16.7
8/12/2005	6:30:00	30.72	236	5.10	7.46	18.6
8/12/2005	6:45:00	30.70	237	4.88	7.41	20.2
8/12/2005	6:59:59	30.71	236	6.19	7.62	16.6
8/12/2005	7:15:00	30.66	235	5.68	7.55	20.3
8/12/2005	7:30:00	30.69	235	5.84	7.59	18.1
8/12/2005	7:44:59	30.61	234	4.83	7.45	17.2
8/12/2005	8:00:00	30.65	234	5.15	7.51	16.3
8/12/2005	8:15:00	30.60	233	5.16	7.52	17.0
8/12/2005	8:29:59	30.55	232	4.10	7.34	17.8
8/12/2005	8:44:59	30.55	231	3.74	7.34	18.0
8/12/2005	9:00:00	30.56	231	3.72	7.34	17.8
8/12/2005	9:15:00	30.54	243	5.09	7.40	17.2
8/12/2005	9:29:59	30.57	234	4.34	7.37	17.3
8/12/2005	9:45:00	30.56	245	5.66	7.48	15.0
8/12/2005	10:00:00	30.58	244	5.72	7.50	14.9
8/12/2005	10:14:59	30.61	244	5.75	7.53	14.1
8/12/2005	10:30:00	30.54	244	5.28	7.45	15.9
8/12/2005	10:45:00	30.61	243	5.52	7.49	14.2
8/12/2005	10:59:59	30.63	242	5.65	7.52	14.3
8/12/2005	11:14:59	30.64	242	5.65	7.50	14.6

## Sonde Summary

TR1.3 - 5 Feet

August 2005

Date	Time	Temp	SpCond	DO	pH	Turbidity
m/d/y	hh:mm:ss	°C	uS/cm	mg/L	s.u.	NTU
8/12/2005	11:30:00	30.62	241	5.53	7.48	15.2
8/12/2005	11:45:00	30.63	241	5.45	7.45	15.1
8/12/2005	11:59:59	30.53	236	3.87	7.31	17.7
8/12/2005	12:15:00	30.64	236	4.57	7.37	15.9
8/12/2005	12:30:00	30.66	235	4.76	7.37	17.8
8/12/2005	12:44:59	30.64	238	4.52	7.31	21.4
8/12/2005	13:00:00	30.53	236	4.40	7.32	25.8
8/12/2005	13:15:00	30.45	233	3.62	7.26	24.7
8/12/2005	13:29:59	30.70	237	6.30	7.67	20.9
8/12/2005	13:44:59	30.69	235	6.03	7.66	21.3
8/12/2005	14:00:00	31.09	232	6.87	7.90	18.9
8/12/2005	14:15:00	30.70	233	5.67	7.66	24.2
8/12/2005	14:29:59	30.83	237	6.51	7.78	22.4
8/12/2005	14:45:00	30.63	231	5.21	7.51	31.0
8/12/2005	15:00:00	30.72	231	5.18	7.54	26.0
8/12/2005	15:14:59	30.59	231	4.07	7.37	25.6
8/12/2005	15:30:00	30.42	232	3.29	7.26	29.0
8/12/2005	15:45:00	30.70	231	4.20	7.39	23.0
8/12/2005	15:59:59	30.48	232	2.94	7.23	28.8
8/12/2005	16:14:59	31.05	234	4.30	7.42	26.0
8/12/2005	16:30:00	31.31	233	5.58	7.61	24.0
8/12/2005	16:45:00	31.52	233	6.34	7.82	21.1
8/12/2005	16:59:59	31.40	233	6.10	7.76	29.2
8/12/2005	17:15:00	31.19	234	4.78	7.48	23.9
8/12/2005	17:30:00	31.12	233	4.81	7.48	23.7
8/12/2005	17:44:59	30.96	233	4.23	7.40	23.9
8/12/2005	18:00:00	31.01	233	4.52	7.41	22.2
8/12/2005	18:15:00	31.08	233	4.85	7.47	20.6
8/12/2005	18:29:59	31.10	233	5.35	7.58	19.2
8/12/2005	18:44:59	31.09	232	5.23	7.56	19.5
8/12/2005	19:00:00	31.18	232	5.78	7.68	18.3
8/12/2005	19:15:00	31.13	233	5.53	7.62	18.1
8/12/2005	19:29:59	31.19	232	5.73	7.70	18.9
8/12/2005	19:45:00	31.07	233	5.21	7.55	21.0
8/12/2005	20:00:00	31.02	233	4.28	7.43	21.1
8/12/2005	20:14:59	31.04	233	5.28	7.57	20.0
8/12/2005	20:30:00	31.01	232	5.48	7.60	19.4
8/12/2005	20:45:00	31.00	232	5.45	7.60	19.6
8/12/2005	20:59:59	30.98	232	5.34	7.57	20.1
8/12/2005	21:14:59	30.95	233	5.08	7.54	20.6
8/12/2005	21:30:00	30.97	233	5.18	7.56	21.2
8/12/2005	21:45:00	30.96	233	5.12	7.55	21.0
8/12/2005	21:59:59	30.93	233	4.88	7.52	20.3
8/12/2005	22:15:00	30.90	233	4.75	7.49	20.8
8/12/2005	22:30:00	30.86	233	4.86	7.48	20.6
8/12/2005	22:44:59	30.83	233	4.73	7.46	20.1
8/12/2005	23:00:00	30.81	234	4.65	7.46	19.7

Sonde Summary

TR1.3 - 5 Feet

August 2005

Date	Time	Temp	SpCond	DO	pH	Turbidity
m/d/y	hh:mm:ss	°C	uS/cm	mg/L	s.u.	NTU
8/12/2005	23:15:00	30.78	234	4.53	7.45	20.1
8/12/2005	23:29:59	30.76	234	4.62	7.45	20.2
8/12/2005	23:45:00	30.74	233	4.54	7.44	20.0
8/13/2005	0:00:00	30.70	233	4.32	7.42	20.1
8/13/2005	0:15:00	30.68	233	4.31	7.41	21.3
8/13/2005	0:29:59	30.65	233	3.96	7.37	21.5
8/13/2005	0:45:00	30.64	233	4.22	7.40	21.2
8/13/2005	1:00:00	30.63	233	3.85	7.37	21.7
8/13/2005	1:14:59	30.59	234	3.80	7.35	20.0
8/13/2005	1:30:00	30.56	234	4.33	7.42	18.7
8/13/2005	1:45:00	30.56	234	4.56	7.45	18.2
8/13/2005	1:59:59	30.52	234	4.27	7.42	18.6
8/13/2005	2:15:00	30.49	234	4.54	7.44	17.8
8/13/2005	2:30:00	30.47	235	4.07	7.41	18.0
8/13/2005	2:45:00	30.44	234	4.42	7.43	17.5
8/13/2005	2:59:59	30.43	234	3.82	7.36	18.0
8/13/2005	3:15:00	30.40	234	4.26	7.41	17.1
8/13/2005	3:30:00	30.38	234	4.29	7.41	17.1
8/13/2005	3:44:59	30.36	234	3.92	7.37	17.5
8/13/2005	4:00:00	30.33	234	4.16	7.40	17.1
8/13/2005	4:15:00	30.29	234	4.40	7.42	16.8
8/13/2005	4:29:59	30.27	234	4.34	7.40	16.9
8/13/2005	4:45:00	30.26	234	3.97	7.37	16.9
8/13/2005	5:00:00	30.25	235	3.94	7.36	16.5
8/13/2005	5:15:00	30.23	235	3.48	7.31	17.3
8/13/2005	5:29:59	30.21	235	3.53	7.32	17.2
8/13/2005	5:45:00	30.18	235	3.65	7.33	16.9
8/13/2005	6:00:00	30.15	235	3.50	7.31	17.3
8/13/2005	6:14:59	30.13	235	3.69	7.33	15.6
8/13/2005	6:30:00	30.09	235	3.76	7.34	16.3
8/13/2005	6:45:00	30.04	235	3.98	7.35	15.3
8/13/2005	6:59:59	30.00	236	4.11	7.37	14.7
<b>MAX</b>		31.52	245.00	6.87	7.90	41.10
<b>MIN</b>		30.00	221.00	2.94	7.22	12.50
<b>AVG</b>		30.57	232.28	4.63	7.43	20.54

Sonde Summary  
 TR1.3 - Lower Layer  
 August 2005

Date m/d/y	Time hh:mm:ss	Temp °C	SpCond uS/cm	DO mg/L	pH s.u.	Turbidity NTU
8/11/2005	12:30:00	29.93	225	4.66	7.25	37.4
8/11/2005	12:45:00	29.90	225	4.36	7.21	45.8
8/11/2005	12:59:59	29.88	224	4.24	7.21	32.8
8/11/2005	13:15:00	29.88	224	4.29	7.20	27.9
8/11/2005	13:30:00	29.89	224	4.46	7.20	23.1
8/11/2005	13:44:59	29.91	224	4.29	7.21	21.0
8/11/2005	13:59:59	29.93	224	4.38	7.22	28.8
8/11/2005	14:15:00	29.95	225	4.49	7.23	32.1
8/11/2005	14:30:00	29.94	224	4.47	7.21	34.5
8/11/2005	14:44:59	29.94	225	4.45	7.21	33.6
8/11/2005	14:59:59	29.96	225	4.31	7.20	46.9
8/11/2005	15:15:00	29.93	225	3.93	7.16	38.8
8/11/2005	15:30:00	29.91	226	3.32	7.11	49.6
8/11/2005	15:44:59	29.90	229	2.99	7.09	32.5
8/11/2005	15:59:59	29.88	231	3.50	7.11	29.8
8/11/2005	16:15:00	29.89	232	3.56	7.13	27.7
8/11/2005	16:30:00	29.93	231	3.41	7.15	27.2
8/11/2005	16:44:59	29.92	231	3.28	7.14	31.0
8/11/2005	16:59:59	29.92	231	3.09	7.14	38.3
8/11/2005	17:15:00	29.92	233	2.81	7.12	39.3
8/11/2005	17:30:00	29.91	232	2.76	7.14	37.4
8/11/2005	17:44:59	29.92	232	2.82	7.13	41.3
8/11/2005	18:00:00	29.90	234	2.49	7.12	38.7
8/11/2005	18:15:00	29.91	234	2.46	7.11	41.4
8/11/2005	18:30:00	29.95	235	2.70	7.15	34.3
8/11/2005	18:44:59	29.94	234	2.67	7.13	41.6
8/11/2005	19:00:00	29.98	235	2.76	7.15	39.9
8/11/2005	19:15:00	29.95	234	2.61	7.13	37.4
8/11/2005	19:30:00	29.91	234	2.41	7.12	35.9
8/11/2005	19:44:59	30.01	233	2.92	7.16	33.1
8/11/2005	20:00:00	29.92	236	2.53	7.12	29.4
8/11/2005	20:15:00	29.94	235	2.59	7.12	27.5
8/11/2005	20:30:00	30.10	233	3.15	7.17	33.5
8/11/2005	20:44:59	29.96	235	2.62	7.15	26.4
8/11/2005	21:00:00	29.96	235	2.58	7.16	22.3
8/11/2005	21:15:00	29.95	235	2.55	7.15	25.6
8/11/2005	21:30:00	29.96	235	2.54	7.15	24.6
8/11/2005	21:44:59	29.93	234	2.81	7.17	24.7
8/11/2005	22:00:00	29.97	234	2.60	7.15	24.8
8/11/2005	22:15:00	30.09	234	2.83	7.17	30.8
8/11/2005	22:30:00	30.10	234	2.89	7.18	33.6
8/11/2005	22:44:59	30.09	234	2.88	7.17	30.1
8/11/2005	23:00:00	30.17	233	3.31	7.24	28.5
8/11/2005	23:15:00	30.14	233	3.16	7.22	29.2
8/11/2005	23:30:00	30.08	233	2.80	7.18	29.7

Sonde Summary  
TR1.3 - Lower Layer

August 2005

Date	Time	Temp	SpCond	DO	pH	Turbidity
m/d/y	hh:mm:ss	°C	uS/cm	mg/L	s.u.	NTU
8/11/2005	23:44:59	30.08	233	2.89	7.17	27.8
8/12/2005	0:00:00	30.16	233	3.32	7.23	26.6
8/12/2005	0:15:00	30.10	233	2.83	7.18	27.5
8/12/2005	0:30:00	30.09	233	2.81	7.17	26.0
8/12/2005	0:44:59	30.03	234	2.63	7.15	24.4
8/12/2005	1:00:00	30.09	234	2.67	7.16	26.6
8/12/2005	1:15:00	30.07	233	2.71	7.16	26.1
8/12/2005	1:29:59	30.03	234	2.63	7.15	21.8
8/12/2005	1:44:59	30.08	234	2.62	7.16	24.0
8/12/2005	2:00:00	30.15	233	2.92	7.19	23.3
8/12/2005	2:15:00	30.21	233	3.45	7.21	22.8
8/12/2005	2:29:59	30.18	233	2.97	7.21	23.1
8/12/2005	2:44:59	30.16	234	2.83	7.19	22.0
8/12/2005	3:00:00	30.19	233	3.43	7.22	21.6
8/12/2005	3:15:00	30.12	233	2.86	7.19	23.3
8/12/2005	3:29:59	30.18	233	3.24	7.21	21.4
8/12/2005	3:44:59	30.19	233	3.22	7.20	21.9
8/12/2005	4:00:00	30.19	233	3.29	7.22	20.1
8/12/2005	4:15:00	30.20	233	3.24	7.22	20.4
8/12/2005	4:29:59	30.22	233	3.36	7.21	21.7
8/12/2005	4:44:59	30.12	234	2.76	7.18	22.0
8/12/2005	5:00:00	30.14	234	2.75	7.17	21.2
8/12/2005	5:15:00	30.20	233	3.10	7.21	20.3
8/12/2005	5:29:59	30.16	233	2.93	7.18	20.9
8/12/2005	5:44:59	30.20	233	3.01	7.20	20.2
8/12/2005	6:00:00	30.21	233	3.03	7.20	18.7
8/12/2005	6:15:00	30.18	233	2.90	7.19	17.1
8/12/2005	6:29:59	30.20	233	2.94	7.19	21.8
8/12/2005	6:44:59	30.29	233	3.08	7.18	23.1
8/12/2005	7:00:00	30.16	233	2.67	7.16	20.4
8/12/2005	7:15:00	30.18	233	2.68	7.17	19.7
8/12/2005	7:29:59	30.24	233	2.85	7.19	19.2
8/12/2005	7:44:59	30.30	233	2.90	7.19	20.3
8/12/2005	8:00:00	30.26	233	2.64	7.16	18.1
8/12/2005	8:15:00	30.30	233	2.92	7.18	20.7
8/12/2005	8:29:59	30.15	233	2.35	7.13	21.6
8/12/2005	8:44:59	30.16	234	2.46	7.14	20.3
8/12/2005	9:00:00	30.32	234	2.87	7.17	25.9
8/12/2005	9:15:00	30.33	233	2.90	7.17	27.2
8/12/2005	9:29:59	30.37	233	2.93	7.18	21.9
8/12/2005	9:45:00	30.36	233	2.97	7.18	24.3
8/12/2005	10:00:00	30.33	234	2.82	7.16	33.8
8/12/2005	10:15:00	30.43	237	3.54	7.22	33.5
8/12/2005	10:29:59	30.34	240	3.41	7.19	34.7
8/12/2005	10:45:00	30.44	243	4.49	7.28	28.8
8/12/2005	11:00:00	30.47	241	4.37	7.27	27.4
8/12/2005	11:15:00	30.46	242	4.45	7.27	34.3



Sonde Summary  
TR1.3 - Lower Layer

August 2005

Date	Time	Temp	SpCond	DO	pH	Turbidity
m/d/y	hh:mm:ss	°C	uS/cm	mg/L	s.u.	NTU
8/12/2005	11:29:59	30.21	237	2.18	7.09	39.5
8/12/2005	11:45:00	30.25	235	2.38	7.11	26.7
8/12/2005	12:00:00	30.09	234	1.89	7.09	22.9
8/12/2005	12:15:00	30.21	234	2.36	7.13	19.3
8/12/2005	12:29:59	30.17	233	2.17	7.12	19.7
8/12/2005	12:45:00	30.13	233	2.03	7.12	19.8
8/12/2005	13:00:00	30.12	233	1.99	7.10	22.0
8/12/2005	13:15:00	30.09	233	1.79	7.09	25.3
8/12/2005	13:29:59	30.15	234	2.20	7.11	28.0
8/12/2005	13:45:00	30.20	233	2.19	7.11	25.5
8/12/2005	14:00:00	30.34	236	3.09	7.18	22.6
8/12/2005	14:15:00	30.33	236	3.38	7.21	26.3
8/12/2005	14:29:59	30.28	236	3.30	7.21	27.8
8/12/2005	14:45:00	30.28	236	3.02	7.22	28.6
8/12/2005	15:00:00	30.32	235	3.19	7.23	34.9
8/12/2005	15:15:00	30.23	235	2.48	7.15	31.0
8/12/2005	15:29:59	30.14	235	1.99	7.12	30.0
8/12/2005	15:45:00	30.19	235	2.28	7.14	31.1
8/12/2005	16:00:00	30.21	235	2.34	7.14	27.8
8/12/2005	16:15:00	30.18	235	1.92	7.13	29.2
8/12/2005	16:29:59	31.04	237	4.80	7.44	29.8
8/12/2005	16:45:00	31.29	236	5.94	7.66	24.8
8/12/2005	17:00:00	31.30	236	6.00	7.65	36.8
8/12/2005	17:15:00	30.39	235	2.67	7.13	39.0
8/12/2005	17:29:59	30.56	236	3.05	7.20	33.6
8/12/2005	17:45:00	30.53	237	2.49	7.19	46.6
8/12/2005	18:00:00	30.60	237	2.71	7.19	32.7
8/12/2005	18:15:00	30.67	238	2.79	7.21	28.5
8/12/2005	18:29:59	30.82	238	3.48	7.28	33.2
8/12/2005	18:45:00	30.54	238	2.33	7.15	45.2
8/12/2005	19:00:00	30.83	237	3.69	7.27	37.7
8/12/2005	19:15:00	30.94	236	4.45	7.38	38.0
8/12/2005	19:29:59	30.64	238	2.56	7.19	27.1
8/12/2005	19:45:00	30.66	238	2.85	7.23	23.9
8/12/2005	20:00:00	30.51	238	2.44	7.18	23.5
8/12/2005	20:14:59	30.62	238	2.66	7.20	23.1
8/12/2005	20:29:59	30.80	237	3.86	7.27	22.7
8/12/2005	20:45:00	30.88	236	5.07	7.47	21.5
8/12/2005	21:00:00	30.84	236	4.51	7.39	22.7
8/12/2005	21:14:59	30.86	236	4.55	7.41	22.4
8/12/2005	21:29:59	30.63	237	2.79	7.20	29.1
8/12/2005	21:45:00	30.57	238	2.81	7.20	23.9
8/12/2005	22:00:00	30.53	238	2.28	7.17	23.7
8/12/2005	22:14:59	30.62	237	2.51	7.19	22.9
8/12/2005	22:29:59	30.72	237	3.47	7.33	23.2
8/12/2005	22:45:00	30.75	237	3.97	7.35	22.0
8/12/2005	23:00:00	30.74	237	4.59	7.39	21.6

Sonde Summary  
TR1.3 - Lower Layer

August 2005

Date	Time	Temp	SpCond	DO	pH	Turbidity
m/d/y	hh:mm:ss	°C	uS/cm	mg/L	s.u.	NTU
8/12/2005	23:14:59	30.73	237	4.83	7.39	20.9
8/12/2005	23:29:59	30.68	237	3.57	7.27	21.4
8/12/2005	23:45:00	30.58	237	2.65	7.18	22.2
8/13/2005	0:00:00	30.42	238	1.91	7.13	23.4
8/13/2005	0:14:59	30.50	237	2.47	7.17	21.4
8/13/2005	0:30:00	30.57	236	3.00	7.21	24.2
8/13/2005	0:45:00	30.58	236	3.64	7.29	23.4
8/13/2005	1:00:00	30.54	237	2.88	7.20	25.0
8/13/2005	1:14:59	30.54	237	3.15	7.24	22.4
8/13/2005	1:30:00	30.51	237	4.30	7.35	19.1
8/13/2005	1:45:00	30.43	238	2.63	7.24	21.3
8/13/2005	2:00:00	30.44	238	3.35	7.23	18.8
8/13/2005	2:14:59	30.34	238	2.04	7.13	19.5
8/13/2005	2:30:00	30.33	237	1.79	7.13	20.8
8/13/2005	2:45:00	30.37	238	2.85	7.30	18.9
8/13/2005	3:00:00	30.35	238	3.08	7.22	18.9
8/13/2005	3:14:59	30.36	238	4.12	7.34	18.7
8/13/2005	3:30:00	30.32	238	4.03	7.31	18.0
8/13/2005	3:45:00	30.30	238	3.35	7.26	19.1
8/13/2005	4:00:00	30.26	238	4.26	7.35	18.0
8/13/2005	4:14:59	30.25	237	4.47	7.37	17.3
8/13/2005	4:30:00	30.23	237	4.37	7.35	17.7
8/13/2005	4:45:00	30.20	238	3.66	7.28	18.1
8/13/2005	5:00:00	30.20	238	3.93	7.31	17.3
8/13/2005	5:14:59	30.17	238	3.48	7.26	18.3
8/13/2005	5:30:00	30.16	238	3.33	7.25	18.0
8/13/2005	5:45:00	30.13	238	3.40	7.26	20.0
8/13/2005	5:59:59	30.10	238	3.53	7.27	20.8
8/13/2005	6:14:59	30.07	238	3.77	7.30	17.8
8/13/2005	6:30:00	30.04	239	3.45	7.26	22.0
8/13/2005	6:45:00	30.00	239	4.04	7.31	16.5
8/13/2005	6:59:59	29.95	240	4.05	7.32	18.9
<b>MAX</b>		31.30	243.00	6.00	7.66	49.60
<b>MIN</b>		29.88	224.00	1.79	7.09	16.50
<b>AVG</b>		30.25	234.42	3.17	7.21	26.58

Sonde Summary  
LC0.2 - Mid-depth  
August 2005

Date m/d/y	Time hh:mm:ss	Temp C	SpCond uS/cm	DO mg/L	pH	Turbidity NTU
8/13/2005	16:32:00	27.96	52	7.57	6.26	10.00
8/13/2005	16:47:00	28.03	51	7.60	6.26	10.60
8/13/2005	17:01:59	28.13	51	7.57	6.18	10.60
8/13/2005	17:16:59	28.28	51	7.63	6.22	8.60
8/13/2005	17:32:00	28.33	51	7.65	6.18	8.80
8/13/2005	17:47:00	28.41	51	7.71	6.21	8.40
8/13/2005	18:01:59	28.53	50	7.71	6.25	8.30
8/13/2005	18:17:00	28.54	50	7.74	6.18	8.40
8/13/2005	18:32:00	28.61	50	7.74	6.24	8.30
8/13/2005	18:46:59	28.70	50	7.71	6.19	8.30
8/13/2005	19:02:00	28.68	50	7.73	6.18	8.40
8/13/2005	19:17:00	28.74	50	7.72	6.21	8.80
8/13/2005	19:31:59	28.73	50	7.72	6.31	8.40
8/13/2005	19:46:59	28.85	50	7.73	6.16	8.30
8/13/2005	20:02:00	28.90	50	7.73	6.21	8.50
8/13/2005	20:17:00	28.95	50	7.74	6.09	7.90
8/13/2005	20:31:59	29.11	50	7.73	6.13	8.60
8/13/2005	20:47:00	29.23	49	7.74	6.17	8.10
8/13/2005	21:02:00	29.24	49	7.74	6.17	8.20
8/13/2005	21:16:59	29.31	49	7.72	6.11	8.10
8/13/2005	21:32:00	29.33	49	7.70	6.13	8.40
8/13/2005	21:47:00	29.35	48	7.68	6.20	8.10
8/13/2005	22:01:59	29.35	48	7.66	6.16	8.20
8/13/2005	22:16:59	29.35	48	7.64	6.14	8.10
8/13/2005	22:32:00	29.36	48	7.63	6.11	8.20
8/13/2005	22:47:00	29.35	48	7.58	6.13	7.90
8/13/2005	23:01:59	29.34	48	7.54	6.19	8.10
8/13/2005	23:17:00	29.32	49	7.55	6.07	8.60
8/13/2005	23:32:00	29.28	49	7.52	6.12	7.80
8/13/2005	23:46:59	29.25	48	7.48	6.12	8.20
8/14/2005	0:02:00	29.22	48	7.43	6.16	8.10
8/14/2005	0:17:00	29.17	48	7.42	6.13	8.40
8/14/2005	0:31:59	29.06	48	7.37	6.12	7.60
8/14/2005	0:47:00	29.00	48	7.33	6.10	7.80
8/14/2005	1:02:00	28.94	48	7.32	6.13	8.00
8/14/2005	1:17:00	28.91	48	7.29	6.13	8.10
8/14/2005	1:31:59	28.81	48	7.26	6.14	7.90
8/14/2005	1:47:00	28.74	48	7.22	6.08	7.80
8/14/2005	2:02:00	28.64	47	7.19	6.07	7.80
8/14/2005	2:16:59	28.62	48	7.15	6.09	7.80
8/14/2005	2:32:00	28.56	48	7.14	6.14	7.90
8/14/2005	2:47:00	28.50	47	7.11	6.06	8.20
8/14/2005	3:01:59	28.45	48	7.07	6.06	7.80
8/14/2005	3:17:00	28.39	48	7.07	6.05	7.90
8/14/2005	3:32:00	28.36	47	7.04	6.08	8.20

Sonde Summary  
LC0.2 - Mid-depth

August 2005

Date	Time	Temp	SpCond	DO	pH	Turbidity
m/d/y	hh:mm:ss	C	uS/cm	mg/L		NTU
8/14/2005	3:47:00	28.28	47	7.02	6.06	8.20
8/14/2005	4:01:59	28.24	47	7.00	6.09	8.30
8/14/2005	4:17:00	28.20	47	7.01	6.06	7.70
8/14/2005	4:32:00	28.12	47	6.98	6.03	7.70
8/14/2005	4:46:59	28.05	47	6.95	6.14	7.90
8/14/2005	5:02:00	27.99	47	6.90	6.07	8.40
8/14/2005	5:17:00	27.93	47	6.89	6.02	8.00
8/14/2005	5:31:59	27.86	47	6.87	6.01	7.90
8/14/2005	5:47:00	27.82	47	6.85	6.04	7.70
8/14/2005	6:02:00	27.77	47	6.84	6.02	7.80
8/14/2005	6:17:00	27.73	48	6.82	6.06	7.50
8/14/2005	6:31:59	27.68	48	6.80	6.03	8.00
8/14/2005	6:47:00	27.59	49	6.77	6.00	7.60
8/14/2005	7:02:00	27.56	49	6.74	6.15	7.80
8/14/2005	7:16:59	27.57	49	6.70	6.13	7.90
8/14/2005	7:32:00	27.54	50	6.75	6.03	8.30
8/14/2005	7:47:00	27.51	50	6.73	5.99	8.20
8/14/2005	8:01:59	27.45	51	6.73	6.04	7.90
8/14/2005	8:17:00	27.44	52	6.70	6.01	7.70
8/14/2005	8:32:00	27.41	52	6.73	6.06	7.90
8/14/2005	8:47:00	27.43	52	6.73	6.13	7.90
8/14/2005	9:01:59	27.43	53	6.74	6.05	7.90
8/14/2005	9:17:00	27.41	53	6.72	6.08	7.80
8/14/2005	9:32:00	27.41	53	6.73	6.08	8.10
8/14/2005	9:46:59	27.40	53	6.75	6.02	7.80
8/14/2005	10:02:00	27.38	53	6.76	6.11	8.70
8/14/2005	10:17:00	27.43	53	6.77	6.15	8.20
8/14/2005	10:31:59	27.43	53	6.80	6.08	8.10
8/14/2005	10:47:00	27.44	53	6.79	6.10	8.70
8/14/2005	11:02:00	27.49	53	6.83	6.01	7.90
8/14/2005	11:17:00	27.55	53	6.86	6.14	8.00
8/14/2005	11:31:59	27.54	53	6.87	6.12	8.30
8/14/2005	11:47:00	27.60	53	6.91	6.13	8.10
8/14/2005	12:02:00	27.58	52	6.90	6.09	8.40
8/14/2005	12:16:59	27.63	53	6.93	6.15	8.10
8/14/2005	12:32:00	27.67	53	6.94	6.08	7.90
8/14/2005	12:47:00	27.70	52	6.98	6.08	7.90
8/14/2005	13:01:59	27.71	53	6.96	6.04	8.10
8/14/2005	13:17:00	27.73	53	7.00	6.09	8.60
8/14/2005	13:32:00	27.76	52	7.03	6.14	8.50
8/14/2005	13:46:59	27.74	52	7.09	6.08	8.40
8/14/2005	14:01:59	27.74	52	7.10	6.10	8.20
8/14/2005	14:17:00	27.70	52	7.12	6.23	9.20
8/14/2005	14:32:00	27.76	52	7.07	6.16	8.20
8/14/2005	14:46:59	28.02	52	7.23	6.07	8.30
8/14/2005	15:02:00	27.83	52	7.20	6.08	8.40
8/14/2005	15:17:00	27.85	52	7.29	6.07	8.50

Sonde Summary  
LC0.2 - Mid-depth

August 2005

Date	Time	Temp	SpCond	DO	pH	Turbidity
m/d/y	hh:mm:ss	C	uS/cm	mg/L		NTU
8/14/2005	15:31:59	27.99	51	7.29	6.18	8.60
8/14/2005	15:47:00	28.08	51	7.39	6.08	8.50
8/14/2005	16:02:00	28.42	51	7.39	6.23	8.30
8/14/2005	16:16:59	28.28	51	7.42	6.11	8.30
8/14/2005	16:31:59	28.30	51	7.51	6.13	8.60
8/14/2005	16:47:00	28.21	51	7.43	6.26	9.50
8/14/2005	17:02:00	28.30	51	7.49	6.12	8.20
8/14/2005	17:16:59	28.46	51	7.59	6.11	8.70
8/14/2005	17:32:00	28.56	50	7.75	6.09	9.20
8/14/2005	17:47:00	28.51	50	7.70	6.20	8.20
8/14/2005	18:01:59	28.64	50	7.75	6.21	8.40
8/14/2005	18:17:00	28.83	50	7.96	6.21	8.10
8/14/2005	18:32:00	28.81	50	7.97	6.21	29.90
8/14/2005	18:46:59	28.80	50	7.96	6.30	8.40
8/14/2005	19:01:59	29.11	50	7.98	6.31	9.10
8/14/2005	19:17:00	28.94	50	8.02	6.21	9.00
8/14/2005	19:32:00	29.04	50	8.08	6.25	8.70
8/14/2005	19:46:59	29.16	50	8.16	6.24	8.60
8/14/2005	20:02:00	29.21	50	8.09	6.28	8.70
8/14/2005	20:17:00	29.23	50	8.09	6.32	8.40
8/14/2005	20:31:59	29.26	50	8.09	6.25	8.20
8/14/2005	20:47:00	29.31	50	8.11	6.19	7.80
8/14/2005	21:02:00	29.40	49	8.23	6.19	10.00
8/14/2005	21:16:59	29.51	49	8.20	6.25	8.70
8/14/2005	21:31:59	29.59	48	8.17	6.27	9.40
8/14/2005	21:47:00	29.62	48	8.13	6.39	9.20
8/14/2005	22:02:00	29.74	48	8.11	6.26	8.30
8/14/2005	22:16:59	29.78	48	8.07	6.27	8.30
8/14/2005	22:32:00	29.78	48	8.03	6.31	8.10
8/14/2005	22:47:00	29.87	47	7.98	6.31	8.60
8/14/2005	23:01:59	29.88	47	7.94	6.20	8.10
8/14/2005	23:17:00	29.93	47	7.88	6.19	8.30
8/14/2005	23:32:00	29.92	47	7.81	6.39	8.60
8/14/2005	23:46:59	29.88	47	7.82	6.29	8.40
8/15/2005	0:01:59	29.92	47	7.80	6.14	8.30
8/15/2005	0:17:00	29.95	47	7.72	6.18	7.90
8/15/2005	0:32:00	29.97	47	7.68	6.21	8.30
8/15/2005	0:46:59	29.97	47	7.60	6.21	7.30
8/15/2005	1:02:00	29.94	47	7.59	6.36	8.10
8/15/2005	1:17:00	29.91	47	7.57	6.18	8.40
8/15/2005	1:31:59	29.88	47	7.57	6.16	7.60
8/15/2005	1:47:00	29.84	47	7.49	6.16	8.00
8/15/2005	2:02:00	29.80	47	7.44	6.23	7.70
8/15/2005	2:16:59	29.75	47	7.40	6.13	8.50
8/15/2005	2:31:59	29.66	47	7.40	6.03	7.70
8/15/2005	2:47:00	29.55	47	7.34	6.14	7.80
8/15/2005	3:02:00	29.51	47	7.25	6.16	7.50

Sonde Summary  
LC0.2 - Mid-depth

August 2005

Date m/d/y	Time hh:mm:ss	Temp C	SpCond uS/cm	DO mg/L	pH	Turbidity NTU
8/15/2005	3:16:59	29.49	47	7.18	6.27	7.00
8/15/2005	3:32:00	29.43	47	7.21	6.07	7.50
8/15/2005	3:47:00	29.32	48	7.19	6.07	7.30
8/15/2005	4:01:59	29.25	47	7.11	6.15	7.10
8/15/2005	4:17:00	29.16	48	7.05	6.19	7.70
8/15/2005	4:32:00	29.12	48	7.03	6.11	7.30
8/15/2005	4:46:59	29.06	48	7.01	6.04	7.50
8/15/2005	5:01:59	28.92	48	7.00	6.04	7.50
8/15/2005	5:17:00	28.87	48	6.93	6.08	10.10
8/15/2005	5:32:00	28.78	49	6.89	6.08	7.20
8/15/2005	5:46:59	28.71	49	6.87	6.02	7.30
8/15/2005	6:02:00	28.57	49	6.83	6.02	7.10
8/15/2005	6:17:00	28.52	49	6.77	6.07	7.50
8/15/2005	6:31:59	28.48	50	6.75	6.06	7.50
8/15/2005	6:47:00	28.43	50	6.76	6.02	7.50
8/15/2005	7:02:00	28.36	50	6.73	6.01	7.60
8/15/2005	7:16:59	28.32	51	6.69	6.05	7.00
8/15/2005	7:31:59	28.29	51	6.68	6.05	7.10
8/15/2005	7:47:00	28.30	51	6.65	6.18	7.70
8/15/2005	8:02:00	28.31	51	6.69	6.00	7.70
8/15/2005	8:16:59	28.26	51	6.68	6.00	7.50
8/15/2005	8:32:00	28.21	53	6.69	6.02	7.50
8/15/2005	8:47:00	28.23	53	6.65	6.09	7.40
8/15/2005	9:01:59	28.18	53	6.66	6.00	7.60
8/15/2005	9:17:00	28.19	54	6.69	5.97	8.10
8/15/2005	9:32:00	28.15	54	6.69	6.02	7.90
<b>MAX</b>		29.97	54.00	8.23	6.39	29.90
<b>MIN</b>		27.38	47.00	6.65	5.97	7.00
<b>AVG</b>		28.61	49.58	7.31	6.14	8.29

Sonde Summary  
 JC315.6 - Mid-depth  
 August 2005

Date m/d/y	Time hh:mm:ss	Temp °C	SpCond uS/cm	DO mg/L	pH s.u.
8/13/2005	18:45:00	30.08	287	3.12	6.99
8/13/2005	19:00:00	30.29	284	3.84	7.03
8/13/2005	19:14:59	30.89	265	5.94	7.17
8/13/2005	19:30:00	30.05	288	2.83	6.94
8/13/2005	19:45:00	29.97	287	2.52	6.92
8/13/2005	19:59:59	30.32	282	3.67	7.00
8/13/2005	20:15:00	30.44	279	4.25	7.05
8/13/2005	20:30:00	30.02	287	2.74	6.94
8/13/2005	20:44:59	30.34	279	3.65	7.01
8/13/2005	21:00:00	30.26	282	3.35	6.98
8/13/2005	21:15:00	30.29	281	3.64	7.01
8/13/2005	21:30:00	30.24	283	3.08	6.97
8/13/2005	21:44:59	30.37	280	3.64	7.01
8/13/2005	22:00:00	30.50	276	4.14	7.04
8/13/2005	22:15:00	30.33	280	4.06	7.03
8/13/2005	22:29:59	30.37	280	3.52	7.00
8/13/2005	22:45:00	30.25	282	3.42	7.01
8/13/2005	23:00:00	30.40	280	3.64	7.00
8/13/2005	23:14:59	30.32	280	3.15	6.97
8/13/2005	23:30:00	30.42	278	3.72	7.01
8/13/2005	23:45:00	30.44	278	3.62	7.01
8/13/2005	23:59:59	30.64	272	3.69	7.01
8/14/2005	0:14:59	30.19	285	2.80	6.94
8/14/2005	0:30:00	30.69	269	4.17	7.04
8/14/2005	0:45:00	30.31	283	3.43	7.00
8/14/2005	0:59:59	30.75	271	4.76	7.10
8/14/2005	1:15:00	30.27	284	3.01	6.97
8/14/2005	1:30:00	30.41	281	3.05	6.98
8/14/2005	1:44:59	30.72	262	5.02	7.14
8/14/2005	2:00:00	30.26	284	2.84	6.95
8/14/2005	2:15:00	30.39	279	3.34	6.99
8/14/2005	2:29:59	30.59	275	4.21	7.06
8/14/2005	2:44:59	30.76	265	6.35	7.26
8/14/2005	3:00:00	30.71	268	5.99	7.21
8/14/2005	3:15:00	30.59	262	5.20	7.19
8/14/2005	3:29:59	30.51	261	4.56	7.12
8/14/2005	3:45:00	30.57	257	6.12	7.28
8/14/2005	4:00:00	30.54	259	5.88	7.28
8/14/2005	4:14:59	30.28	284	2.91	6.97
8/14/2005	4:30:00	30.52	268	6.09	7.25
8/14/2005	4:44:59	30.30	276	2.87	6.98
8/14/2005	5:00:00	30.37	271	3.55	7.02
8/14/2005	5:15:00	30.31	260	5.44	7.15
8/14/2005	5:29:59	30.33	260	5.58	7.19
8/14/2005	5:45:00	30.36	264	5.81	7.23

Sonde Summary  
 JC315.6 - Mid-depth

August 2005

Date	Time	Temp	SpCond	DO	pH
m/d/y	hh:mm:ss	°C	uS/cm	mg/L	s.u.
8/14/2005	6:00:00	30.29	262	5.58	7.18
8/14/2005	6:15:00	30.25	265	4.74	7.10
8/14/2005	6:29:59	30.21	266	4.22	7.07
8/14/2005	6:45:00	30.20	268	4.54	7.08
8/14/2005	7:00:00	30.14	257	5.04	7.11
8/14/2005	7:14:59	30.17	262	5.17	7.14
8/14/2005	7:30:00	30.16	264	5.09	7.15
8/14/2005	7:44:59	30.13	263	5.06	7.15
8/14/2005	8:00:00	30.11	261	4.95	7.12
8/14/2005	8:15:00	30.12	263	4.28	7.05
8/14/2005	8:29:59	30.15	268	4.25	7.06
8/14/2005	8:45:00	30.10	262	4.90	7.11
8/14/2005	9:00:00	30.18	268	5.20	7.16
8/14/2005	9:14:59	30.17	263	5.07	7.12
8/14/2005	9:30:00	30.16	262	4.61	7.09
8/14/2005	9:45:00	30.15	258	4.81	7.10
8/14/2005	10:00:00	30.20	258	5.02	7.12
8/14/2005	10:14:59	30.10	268	4.09	7.04
8/14/2005	10:30:00	30.12	269	4.06	7.04
8/14/2005	10:45:00	30.09	270	3.70	7.02
8/14/2005	10:59:59	30.16	268	4.19	7.06
8/14/2005	11:15:00	30.12	266	4.19	7.06
8/14/2005	11:30:00	30.09	271	3.66	7.01
8/14/2005	11:44:59	30.15	275	3.04	7.00
8/14/2005	12:00:00	30.13	275	3.36	7.01
8/14/2005	12:15:00	30.14	274	3.28	7.01
8/14/2005	12:30:00	30.19	274	3.49	7.03
8/14/2005	12:44:59	30.17	273	3.66	7.04
8/14/2005	13:00:00	30.11	276	3.09	7.00
8/14/2005	13:15:00	30.11	280	3.30	7.01
8/14/2005	13:29:59	30.13	280	3.44	7.04
8/14/2005	13:45:00	30.11	281	3.37	7.03
8/14/2005	14:00:00	30.21	278	3.56	7.05
8/14/2005	14:14:59	30.10	282	4.22	7.09
8/14/2005	14:30:00	30.20	282	4.28	7.09
8/14/2005	14:45:00	30.09	283	3.67	7.05
8/14/2005	15:00:00	30.17	281	4.07	7.07
8/14/2005	15:14:59	30.19	281	4.71	7.13
8/14/2005	15:30:00	30.06	284	4.10	7.09
8/14/2005	15:45:00	30.29	279	4.99	7.16
8/14/2005	15:59:59	30.11	281	3.23	7.01
8/14/2005	16:15:00	30.52	276	5.54	7.22
8/14/2005	16:30:00	30.12	282	4.20	7.09
8/14/2005	16:44:59	30.46	277	5.08	7.17
8/14/2005	17:00:00	30.35	278	4.71	7.12
8/14/2005	17:15:00	30.12	282	3.49	7.00
8/14/2005	17:29:59	30.17	281	3.34	7.02



Sonde Summary  
 JC315.6 - Mid-depth

August 2005

Date	Time	Temp	SpCond	DO	pH
m/d/y	hh:mm:ss	°C	uS/cm	mg/L	s.u.
8/14/2005	17:44:59	30.25	281	3.79	7.06
8/14/2005	18:00:00	30.30	278	4.00	7.08
8/14/2005	18:15:00	30.10	282	2.86	6.97
8/14/2005	18:29:59	30.21	281	2.82	7.01
8/14/2005	18:45:00	30.82	274	5.81	7.24
8/14/2005	19:00:00	29.96	285	2.09	6.93
8/14/2005	19:14:59	30.18	280	3.14	6.99
8/14/2005	19:30:00	30.40	277	3.85	7.07
8/14/2005	19:45:00	30.43	278	3.83	7.05
8/14/2005	19:59:59	30.31	280	3.24	6.99
8/14/2005	20:14:59	30.35	279	3.42	7.01
8/14/2005	20:30:00	30.47	277	3.71	7.03
8/14/2005	20:45:00	30.77	274	4.67	7.12
8/14/2005	20:59:59	30.45	277	3.48	7.05
8/14/2005	21:15:00	30.40	279	3.40	7.00
8/14/2005	21:30:00	30.39	278	3.31	7.01
8/14/2005	21:44:59	30.51	277	3.63	7.02
8/14/2005	22:00:00	30.42	278	3.36	7.02
8/14/2005	22:15:00	30.51	278	3.50	7.06
8/14/2005	22:29:59	30.74	274	4.45	7.10
8/14/2005	22:44:59	30.44	278	3.52	7.01
8/14/2005	23:00:00	30.49	278	3.49	7.01
8/14/2005	23:15:00	30.49	277	3.16	7.00
8/14/2005	23:29:59	30.55	277	3.53	7.02
8/14/2005	23:45:00	30.58	276	3.62	7.03
8/15/2005	0:00:00	30.58	276	3.80	7.04
8/15/2005	0:14:59	30.63	275	3.75	7.06
8/15/2005	0:30:00	30.79	273	4.05	7.04
8/15/2005	0:45:00	30.37	279	3.02	6.98
8/15/2005	0:59:59	30.41	279	3.32	7.00
8/15/2005	1:14:59	30.47	278	3.23	7.00
8/15/2005	1:30:00	30.72	273	4.14	7.06
8/15/2005	1:45:00	30.21	281	1.96	6.91
8/15/2005	1:59:59	30.94	262	4.07	7.09
8/15/2005	2:15:00	30.36	275	2.70	6.93
8/15/2005	2:30:00	30.38	277	2.78	6.95
8/15/2005	2:44:59	30.45	272	2.77	6.97
8/15/2005	3:00:00	30.83	265	3.81	7.03
8/15/2005	3:15:00	30.19	278	1.61	6.90
8/15/2005	3:29:59	30.32	278	2.35	6.94
8/15/2005	3:44:59	30.44	273	2.75	6.96
8/15/2005	4:00:00	30.88	264	4.44	7.10
8/15/2005	4:15:00	30.26	281	2.02	6.91
8/15/2005	4:29:59	30.47	268	2.80	6.95
8/15/2005	4:45:00	30.63	260	3.10	6.96
8/15/2005	5:00:00	30.72	266	3.55	7.03
8/15/2005	5:14:59	30.78	264	3.32	7.00

Sonde Summary  
 JC315.6 - Mid-depth

August 2005

Date m/d/y	Time hh:mm:ss	Temp °C	SpCond uS/cm	DO mg/L	pH s.u.
8/15/2005	5:30:00	30.38	275	2.28	6.95
8/15/2005	5:45:00	30.82	263	4.45	7.09
8/15/2005	5:59:59	30.82	262	4.97	7.17
8/15/2005	6:14:59	30.52	268	3.38	7.01
8/15/2005	6:30:00	30.53	270	3.00	6.97
8/15/2005	6:45:00	30.53	267	2.58	6.94
8/15/2005	6:59:59	30.73	263	4.13	7.08
8/15/2005	7:15:00	30.69	263	3.97	7.06
8/15/2005	7:30:00	30.59	268	3.66	7.02
8/15/2005	7:44:59	30.59	265	3.67	7.05
8/15/2005	8:00:00	30.56	265	4.10	7.06
8/15/2005	8:15:00	30.44	271	3.04	6.97
8/15/2005	8:29:59	30.69	260	5.46	7.20
8/15/2005	8:44:59	30.71	258	4.96	7.13
8/15/2005	9:00:00	30.43	272	2.05	6.96
8/15/2005	9:15:00	30.53	267	2.94	7.07
8/15/2005	9:29:59	30.53	269	3.34	7.00
8/15/2005	9:45:00	30.43	271	2.80	6.93
8/15/2005	10:00:00	30.29	278	1.73	6.89
8/15/2005	10:14:59	30.41	275	1.96	6.92
<b>MAX</b>		30.94	288.00	6.35	7.28
<b>MIN</b>		29.96	257.00	1.61	6.89
<b>AVG</b>		30.37	273.43	3.83	7.05

Sonde Summary  
CF1.4 - Mid-Depth  
August 2005

Date m/d/y	Time hh:mm:ss	Temp °C	SpCond uS/cm	DO mg/L	pH s.u.	Turbidity NTU
8/14/2005	13:17:00	25.66	39	7.02	6.63	10.3
8/14/2005	13:32:00	25.72	39	6.98	6.51	10.3
8/14/2005	13:47:00	25.79	39	6.99	6.51	10.3
8/14/2005	14:02:00	25.86	39	7.01	6.52	10.1
8/14/2005	14:17:00	25.92	39	7.02	6.52	10.3
8/14/2005	14:32:00	25.98	39	7.02	6.54	10.1
8/14/2005	14:47:00	26.04	39	7.03	6.53	10.3
8/14/2005	15:02:00	26.11	39	7.04	6.53	10.3
8/14/2005	15:17:00	26.17	39	7.04	6.54	9.9
8/14/2005	15:32:00	26.23	39	7.04	6.54	10.2
8/14/2005	15:47:00	26.29	39	7.05	6.54	10.3
8/14/2005	16:02:00	26.35	39	7.05	6.54	10.2
8/14/2005	16:17:00	26.39	39	7.05	6.54	9.9
8/14/2005	16:32:00	26.43	39	7.06	6.53	10.1
8/14/2005	16:47:00	26.46	39	7.05	6.54	10.4
8/14/2005	17:02:00	26.48	39	7.05	6.53	10.0
8/14/2005	17:17:00	26.49	39	7.04	6.53	10.3
8/14/2005	17:32:00	26.50	39	7.04	6.53	10.2
8/14/2005	17:47:00	26.50	39	7.03	6.53	10.1
8/14/2005	18:02:00	26.51	39	7.03	6.52	10.1
8/14/2005	18:17:00	26.51	39	7.02	6.53	10.3
8/14/2005	18:32:00	26.51	39	7.02	6.52	10.1
8/14/2005	18:47:00	26.51	39	7.01	6.53	10.3
8/14/2005	19:02:00	26.50	39	7.01	6.52	10.1
8/14/2005	19:17:00	26.49	39	7.00	6.52	10.3
8/14/2005	19:32:00	26.48	39	6.99	6.53	10.3
8/14/2005	19:47:00	26.47	39	6.99	6.52	10.6
8/14/2005	20:02:00	26.45	39	6.98	6.52	10.4
8/14/2005	20:17:00	26.44	39	6.97	6.52	10.4
8/14/2005	20:32:00	26.42	39	6.97	6.52	10.5
8/14/2005	20:47:00	26.40	39	6.96	6.52	10.2
8/14/2005	21:02:00	26.39	39	6.96	6.52	10.3
8/14/2005	21:17:00	26.38	39	6.95	6.52	10.4
8/14/2005	21:32:00	26.37	39	6.94	6.51	10.1
8/14/2005	21:47:00	26.36	39	6.94	6.51	10.2
8/14/2005	22:02:00	26.35	39	6.93	6.51	10.2
8/14/2005	22:17:00	26.34	39	6.93	6.51	10.3
8/14/2005	22:32:00	26.33	39	6.93	6.51	10.3
8/14/2005	22:47:00	26.33	39	6.93	6.52	10.2
8/14/2005	23:02:00	26.32	39	6.92	6.52	10.1
8/14/2005	23:17:00	26.31	39	6.91	6.52	10.5
8/14/2005	23:32:00	26.31	39	6.91	6.51	10.4
8/14/2005	23:47:00	26.30	39	6.91	6.52	10.3
8/15/2005	0:02:00	26.29	39	6.91	6.52	10.6
8/15/2005	0:17:00	26.29	39	6.90	6.52	11.1

Sonde Summary  
CF1.4 - Mid-Depth

August 2005

Date	Time	Temp	SpCond	DO	pH	Turbidity
m/d/y	hh:mm:ss	°C	uS/cm	mg/L	s.u.	NTU
8/15/2005	0:32:00	26.29	39	6.90	6.51	11.2
8/15/2005	0:47:00	26.29	39	6.89	6.51	10.8
8/15/2005	1:02:00	26.28	39	6.89	6.52	10.6
8/15/2005	1:17:00	26.28	39	6.88	6.51	10.8
8/15/2005	1:32:00	26.28	39	6.88	6.51	10.7
8/15/2005	1:47:00	26.28	39	6.88	6.50	10.8
8/15/2005	2:02:00	26.28	39	6.89	6.51	10.9
8/15/2005	2:17:00	26.27	39	6.88	6.51	11.2
8/15/2005	2:32:00	26.26	39	6.87	6.51	11.2
8/15/2005	2:47:00	26.25	39	6.88	6.51	11.1
8/15/2005	3:02:00	26.23	39	6.88	6.51	11.2
8/15/2005	3:17:00	26.21	39	6.89	6.51	10.8
8/15/2005	3:32:00	26.19	39	6.89	6.51	11.1
8/15/2005	3:47:00	26.16	38	6.90	6.51	11.1
8/15/2005	4:02:00	26.14	39	6.91	6.50	11.4
8/15/2005	4:17:00	26.11	38	6.91	6.50	11.2
8/15/2005	4:32:00	26.08	38	6.91	6.49	10.9
8/15/2005	4:47:00	26.05	38	6.92	6.49	11.0
8/15/2005	5:02:00	26.01	38	6.93	6.49	10.9
8/15/2005	5:17:00	25.98	38	6.94	6.50	11.1
8/15/2005	5:32:00	25.95	38	6.94	6.49	10.9
8/15/2005	5:47:00	25.92	38	6.95	6.49	11.0
8/15/2005	6:02:00	25.89	38	6.95	6.48	11.0
8/15/2005	6:17:00	25.86	38	6.96	6.50	11.2
8/15/2005	6:32:00	25.84	38	6.96	6.49	12.0
8/15/2005	6:47:00	25.81	38	6.96	6.49	11.4
8/15/2005	7:02:00	25.79	38	6.97	6.49	11.5
8/15/2005	7:17:00	25.77	38	6.97	6.49	11.5
8/15/2005	7:32:00	25.74	38	6.98	6.49	11.7
8/15/2005	7:47:00	25.73	38	6.99	6.49	11.9
8/15/2005	8:02:00	25.71	38	6.99	6.48	11.4
8/15/2005	8:17:00	25.70	38	7.00	6.49	12.3
8/15/2005	8:32:00	25.69	38	7.00	6.48	11.1
8/15/2005	8:47:00	25.69	38	7.01	6.49	11.5
8/15/2005	9:02:00	25.68	38	7.01	6.49	11.4
8/15/2005	9:17:00	25.69	38	7.02	6.48	11.9
8/15/2005	9:32:00	25.69	38	7.02	6.49	11.8
8/15/2005	9:47:00	25.70	38	7.02	6.48	11.2
8/15/2005	10:02:00	25.72	38	7.03	6.48	11.1
8/15/2005	10:17:00	25.74	38	7.04	6.48	11.1
8/15/2005	10:32:00	25.76	38	7.04	6.49	11.7
8/15/2005	10:47:00	25.79	37	7.06	6.47	11.5
8/15/2005	11:02:00	25.82	38	7.06	6.50	11.0
8/15/2005	11:17:00	25.86	37	7.07	6.48	10.9
8/15/2005	11:32:00	25.90	37	7.07	6.49	11.1
8/15/2005	11:47:00	25.95	37	7.09	6.49	11.2
8/15/2005	12:02:00	26.00	37	7.10	6.48	10.9

Sonde Summary  
CF1.4 - Mid-Depth

August 2005

Date	Time	Temp	SpCond	DO	pH	Turbidity
m/d/y	hh:mm:ss	°C	uS/cm	mg/L	s.u.	NTU
8/15/2005	12:17:00	26.05	37	7.10	6.50	10.9
8/15/2005	12:32:00	26.10	37	7.11	6.49	11.3
8/15/2005	12:47:00	26.17	37	7.12	6.49	10.8
8/15/2005	13:02:00	26.23	37	7.12	6.50	10.8
8/15/2005	13:17:00	26.28	37	7.13	6.50	10.8
8/15/2005	13:32:00	26.34	37	7.14	6.49	10.8
8/15/2005	13:47:00	26.40	37	7.14	6.49	10.9
8/15/2005	14:02:00	26.44	37	7.15	6.50	11.1
8/15/2005	14:17:00	26.51	37	7.15	6.50	10.5
8/15/2005	14:32:00	26.57	37	7.16	6.50	10.6
8/15/2005	14:47:00	26.63	37	7.15	6.52	10.2
8/15/2005	15:02:00	26.69	37	7.16	6.50	10.4
8/15/2005	15:17:00	26.75	37	7.16	6.50	10.5
8/15/2005	15:32:00	26.80	37	7.16	6.51	10.4
8/15/2005	15:47:00	26.85	37	7.16	6.51	10.3
8/15/2005	16:01:59	26.89	37	7.16	6.53	10.1
8/15/2005	16:17:00	26.93	37	7.16	6.50	10.1
8/15/2005	16:32:00	26.96	37	7.16	6.50	9.9
8/15/2005	16:47:00	26.98	37	7.15	6.51	10.3
8/15/2005	17:02:00	27.01	37	7.14	6.51	10.1
8/15/2005	17:17:00	27.02	37	7.14	6.51	10.3
8/15/2005	17:32:00	27.04	37	7.13	6.51	10.4
8/15/2005	17:47:00	27.04	37	7.12	6.51	10.3
8/15/2005	18:02:00	27.05	37	7.11	6.50	10.4
8/15/2005	18:17:00	27.05	37	7.11	6.50	10.3
8/15/2005	18:32:00	27.05	37	7.09	6.50	10.0
8/15/2005	18:47:00	27.05	37	7.08	6.50	10.1
8/15/2005	19:02:00	27.04	37	7.07	6.49	10.3
8/15/2005	19:17:00	27.03	37	7.06	6.49	10.3
8/15/2005	19:32:00	27.02	37	7.05	6.49	10.3
8/15/2005	19:47:00	27.01	37	7.04	6.49	10.2
8/15/2005	20:02:00	27.00	36	7.03	6.48	10.3
8/15/2005	20:17:00	26.99	36	7.02	6.49	10.1
8/15/2005	20:32:00	26.98	36	7.01	6.48	10.0
8/15/2005	20:47:00	26.97	36	6.99	6.49	10.3
8/15/2005	21:02:00	26.96	36	6.99	6.48	10.1
8/15/2005	21:17:00	26.95	36	6.98	6.48	10.0
8/15/2005	21:32:00	26.95	36	6.98	6.48	10.0
8/15/2005	21:47:00	26.94	36	6.96	6.48	10.0
8/15/2005	22:02:00	26.93	36	6.96	6.49	10.4
8/15/2005	22:17:00	26.92	36	6.96	6.48	10.1
8/15/2005	22:32:00	26.91	36	6.95	6.47	10.2
8/15/2005	22:47:00	26.90	36	6.95	6.47	10.2
8/15/2005	23:02:00	26.90	36	6.93	6.47	10.1
8/15/2005	23:17:00	26.89	36	6.93	6.48	10.5
8/15/2005	23:32:00	26.88	36	6.92	6.48	10.5
8/15/2005	23:47:00	26.88	36	6.92	6.47	10.6

Sonde Summary  
CF1.4 - Mid-Depth

August 2005

Date	Time	Temp	SpCond	DO	pH	Turbidity
m/d/y	hh:mm:ss	°C	uS/cm	mg/L	s.u.	NTU
8/16/2005	0:02:00	26.87	36	6.91	6.47	10.8
8/16/2005	0:17:00	26.86	36	6.90	6.47	10.3
8/16/2005	0:32:00	26.85	36	6.90	6.47	10.6
8/16/2005	0:47:00	26.84	36	6.89	6.47	10.6
8/16/2005	1:02:00	26.83	36	6.89	6.46	10.7
8/16/2005	1:16:59	26.82	36	6.89	6.46	10.8
8/16/2005	1:32:00	26.81	36	6.88	6.46	10.6
8/16/2005	1:47:00	26.79	36	6.88	6.46	10.6
8/16/2005	2:02:00	26.77	36	6.89	6.45	10.4
8/16/2005	2:17:00	26.75	36	6.88	6.47	10.7
8/16/2005	2:32:00	26.73	36	6.88	6.46	10.6
8/16/2005	2:47:00	26.71	36	6.88	6.46	10.4
8/16/2005	3:02:00	26.68	36	6.88	6.46	10.6
8/16/2005	3:17:00	26.66	36	6.89	6.46	10.3
8/16/2005	3:32:00	26.62	36	6.89	6.46	10.6
8/16/2005	3:47:00	26.59	36	6.89	6.45	10.3
8/16/2005	4:02:00	26.56	36	6.90	6.45	10.4
8/16/2005	4:17:00	26.52	35	6.90	6.45	10.7
8/16/2005	4:32:00	26.48	35	6.91	6.46	10.5
8/16/2005	4:47:00	26.44	35	6.91	6.45	10.4
8/16/2005	5:02:00	26.41	35	6.91	6.45	10.4
8/16/2005	5:17:00	26.37	35	6.91	6.45	10.3
8/16/2005	5:32:00	26.33	35	6.92	6.44	10.6
8/16/2005	5:47:00	26.30	35	6.93	6.45	10.2
8/16/2005	6:02:00	26.26	35	6.93	6.44	10.8
8/16/2005	6:17:00	26.23	35	6.94	6.44	10.7
8/16/2005	6:32:00	26.19	35	6.93	6.45	11.3
8/16/2005	6:47:00	26.16	35	6.92	6.45	12.4
8/16/2005	7:02:00	26.14	35	6.93	6.45	12.6
8/16/2005	7:17:00	26.11	35	6.94	6.44	11.5
8/16/2005	7:32:00	26.08	35	6.95	6.44	11.7
8/16/2005	7:47:00	26.06	35	6.95	6.45	10.8
8/16/2005	8:02:00	26.04	35	6.95	6.44	10.9
8/16/2005	8:17:00	26.02	35	6.95	6.44	10.4
8/16/2005	8:32:00	26.00	35	6.96	6.44	10.8
8/16/2005	8:47:00	25.99	35	6.96	6.45	10.7
8/16/2005	9:02:00	25.98	35	6.96	6.45	10.4
8/16/2005	9:17:00	25.98	35	6.97	6.44	10.6
8/16/2005	9:32:00	25.98	35	6.97	6.44	10.3
8/16/2005	9:47:00	25.98	35	6.97	6.44	10.6
<b>MAX</b>		27.05	39.00	7.16	6.63	12.60
<b>MIN</b>		25.66	35.00	6.87	6.44	9.90
<b>AVG</b>		26.37	37.37	6.99	6.49	10.64

Sonde Summary  
TTFA0.3 - Mid-depth  
August 2005

Date m/d/y	Time hh:mm:ss	Temp °C	SpCond uS/cm	DO mg/L	pH s.u.	Turbidity NTU
8/11/2005	14:15:00	30.57	265	8.15	7.30	25.6
8/11/2005	14:30:00	31.08	266	7.80	7.30	26.4
8/11/2005	14:45:00	31.21	266	8.12	7.40	23.1
8/11/2005	15:00:00	31.06	266	7.76	7.29	27.5
8/11/2005	15:15:00	31.29	266	8.51	7.57	20.6
8/11/2005	15:30:00	31.57	267	8.62	7.57	19.5
8/11/2005	15:45:00	31.46	267	8.83	7.70	17.2
8/11/2005	16:00:00	30.87	266	7.94	7.34	22.2
8/11/2005	16:15:00	30.91	267	8.13	7.41	23.8
8/11/2005	16:30:00	31.20	268	8.39	7.60	17.2
8/11/2005	16:45:00	31.41	269	8.31	7.56	16.1
8/11/2005	17:00:00	31.39	267	8.46	7.56	18.4
8/11/2005	17:15:00	31.13	269	7.84	7.35	17.7
8/11/2005	17:30:00	31.18	270	7.70	7.34	16.8
8/11/2005	17:45:00	31.10	270	7.65	7.32	20.0
8/11/2005	18:00:00	31.26	270	7.56	7.33	16.8
8/11/2005	18:15:00	31.67	271	8.01	7.45	17.2
8/11/2005	18:30:00	31.37	269	7.69	7.34	25.9
8/11/2005	18:45:00	31.50	269	7.91	7.44	23.9
8/11/2005	19:00:00	31.40	269	7.78	7.35	23.1
8/11/2005	19:15:00	31.22	269	7.52	7.26	25.1
8/11/2005	19:30:00	31.23	270	7.25	7.25	24.3
8/11/2005	19:45:00	31.65	270	7.90	7.43	21.4
8/11/2005	20:00:00	31.63	271	7.79	7.42	20.7
8/11/2005	20:15:00	31.18	271	6.97	7.19	23.4
8/11/2005	20:30:00	31.55	271	7.69	7.37	18.8
8/11/2005	20:45:00	31.48	271	7.32	7.27	20.5
8/11/2005	21:00:00	31.46	272	7.23	7.30	19.3
8/11/2005	21:15:00	31.38	272	7.44	7.36	18.1
8/11/2005	21:30:00	31.22	272	7.07	7.26	19.7
8/11/2005	21:45:00	31.06	273	6.85	7.20	20.5
8/11/2005	22:00:00	31.05	274	6.98	7.24	18.7
8/11/2005	22:15:00	30.98	274	6.98	7.22	18.8
8/11/2005	22:30:00	30.94	274	6.85	7.22	19.6
8/11/2005	22:45:00	30.85	274	6.78	7.17	19.5
8/11/2005	23:00:00	30.81	273	6.52	7.14	21.3
8/11/2005	23:15:00	30.75	274	6.46	7.11	22.7
8/11/2005	23:30:00	30.71	274	6.38	7.10	22.0
8/11/2005	23:45:00	30.70	274	6.42	7.13	23.3
8/12/2005	0:00:00	30.66	274	6.37	7.10	22.3
8/12/2005	0:15:00	30.67	274	6.33	7.11	26.2
8/12/2005	0:30:00	30.59	274	6.33	7.10	27.7
8/12/2005	0:45:00	30.56	274	6.25	7.08	26.5
8/12/2005	1:00:00	30.53	274	6.14	7.08	24.9
8/12/2005	1:15:00	30.51	274	6.24	7.08	23.4

Sonde Summary  
TTFA0.3 - Mid-depth

August 2005

Date	Time	Temp	SpCond	DO	pH	Turbidity
m/d/y	hh:mm:ss	°C	uS/cm	mg/L	s.u.	NTU
8/12/2005	1:30:00	30.45	274	6.18	7.07	23.5
8/12/2005	1:45:00	30.41	273	6.17	7.07	23.1
8/12/2005	2:00:00	30.39	273	6.06	7.07	24.7
8/12/2005	2:15:00	30.36	273	6.03	7.07	24.0
8/12/2005	2:30:00	30.30	272	6.02	7.06	23.1
8/12/2005	2:45:00	30.26	271	6.00	7.07	21.4
8/12/2005	3:00:00	30.23	270	6.02	7.06	22.2
8/12/2005	3:15:00	30.21	270	5.98	7.06	21.9
8/12/2005	3:30:00	30.14	269	5.95	7.05	21.7
8/12/2005	3:45:00	30.15	269	5.90	7.05	22.6
8/12/2005	4:00:00	30.11	269	5.92	7.03	22.4
8/12/2005	4:15:00	30.09	269	5.86	7.02	30.5
8/12/2005	4:30:00	30.00	269	5.89	7.04	27.1
8/12/2005	4:45:00	29.97	269	6.05	7.04	23.4
8/12/2005	5:00:00	29.97	269	5.97	7.05	21.7
8/12/2005	5:15:00	29.97	270	6.01	7.04	23.0
8/12/2005	5:30:00	29.93	270	6.00	7.02	23.2
8/12/2005	5:45:00	29.94	271	5.95	7.04	20.6
8/12/2005	6:00:00	29.91	271	6.04	7.03	21.7
8/12/2005	6:15:00	29.91	272	5.98	7.04	22.5
8/12/2005	6:30:00	29.91	272	6.04	7.03	22.8
8/12/2005	6:45:00	29.90	273	6.04	7.02	22.6
8/12/2005	7:00:00	29.89	274	6.06	7.05	22.4
8/12/2005	7:15:00	29.88	274	6.11	7.04	22.0
8/12/2005	7:30:00	29.89	274	6.13	7.04	23.0
8/12/2005	7:45:00	29.91	275	6.18	7.05	22.2
8/12/2005	8:00:00	29.92	275	6.23	7.06	22.4
8/12/2005	8:15:00	29.93	276	6.30	7.07	22.0
8/12/2005	8:30:00	29.95	277	6.35	7.08	21.6
8/12/2005	8:45:00	29.97	276	6.37	7.08	24.1
8/12/2005	9:00:00	30.02	277	6.52	7.09	26.6
8/12/2005	9:15:00	30.03	277	6.53	7.10	23.3
8/12/2005	9:30:00	30.00	278	6.31	7.08	25.3
8/12/2005	9:45:00	30.07	278	6.57	7.09	24.4
8/12/2005	10:00:00	30.08	278	6.54	7.08	26.1
8/12/2005	10:15:00	30.08	278	6.53	7.07	39.7
8/12/2005	10:30:00	30.14	277	6.64	7.12	28.1
8/12/2005	10:45:00	30.12	277	6.58	7.09	24.8
8/12/2005	11:00:00	30.22	277	6.75	7.14	23.9
8/12/2005	11:15:00	30.08	276	6.62	7.11	27.4
8/12/2005	11:30:00	30.24	276	6.89	7.14	25.2
8/12/2005	11:45:00	30.34	276	6.89	7.15	22.8
8/12/2005	12:00:00	30.17	275	6.93	7.13	22.2
8/12/2005	12:15:00	30.16	276	6.77	7.12	24.6
8/12/2005	12:30:00	30.27	274	7.32	7.20	21.2
8/12/2005	12:45:00	30.23	275	7.08	7.18	22.8
8/12/2005	13:00:00	30.35	274	7.63	7.27	18.9



Sonde Summary  
TTFA0.3 - Mid-depth

August 2005

Date	Time	Temp	SpCond	DO	pH	Turbidity
m/d/y	hh:mm:ss	°C	uS/cm	mg/L	s.u.	NTU
8/12/2005	13:15:00	30.29	275	7.19	7.19	21.7
8/12/2005	13:30:00	30.36	274	7.72	7.31	18.0
8/12/2005	13:45:00	30.24	274	7.08	7.15	28.0
8/12/2005	14:00:00	30.49	275	7.10	7.19	28.5
8/12/2005	14:15:00	30.68	275	7.21	7.20	28.2
8/12/2005	14:30:00	30.32	274	7.23	7.18	26.6
8/12/2005	14:45:00	30.53	274	7.31	7.22	23.1
8/12/2005	15:00:00	30.58	274	7.48	7.22	25.6
8/12/2005	15:15:00	30.74	274	7.51	7.24	35.4
8/12/2005	15:30:00	31.19	274	7.94	7.38	26.5
8/12/2005	15:45:00	31.33	274	8.33	7.57	20.0
8/12/2005	16:00:00	30.99	272	7.93	7.38	30.9
8/12/2005	16:15:00	31.32	272	7.99	7.47	23.9
8/12/2005	16:30:00	31.06	270	7.99	7.41	30.8
8/12/2005	16:45:00	31.29	269	8.04	7.50	28.8
8/12/2005	17:00:00	31.31	269	8.06	7.47	27.2
8/12/2005	17:15:00	31.23	268	7.96	7.46	23.0
8/12/2005	17:30:00	31.22	268	7.90	7.45	23.3
8/12/2005	17:45:00	31.16	267	7.85	7.44	22.4
8/12/2005	18:00:00	31.13	266	7.78	7.45	20.5
8/12/2005	18:15:00	31.11	266	7.77	7.44	20.4
8/12/2005	18:30:00	31.13	264	7.67	7.45	21.3
8/12/2005	18:45:00	31.12	264	7.65	7.45	21.5
8/12/2005	19:00:00	31.06	264	7.45	7.42	20.3
8/12/2005	19:15:00	31.02	264	7.42	7.39	24.7
8/12/2005	19:30:00	30.99	264	7.35	7.37	25.1
8/12/2005	19:45:00	30.90	263	7.21	7.36	21.2
8/12/2005	20:00:00	30.87	264	7.20	7.33	23.4
8/12/2005	20:15:00	30.87	264	7.11	7.35	24.8
8/12/2005	20:30:00	30.82	262	7.12	7.34	21.2
8/12/2005	20:45:00	30.80	262	6.99	7.34	21.1
8/12/2005	21:00:00	30.77	262	7.00	7.33	21.7
8/12/2005	21:15:00	30.72	262	7.04	7.34	20.3
8/12/2005	21:30:00	30.73	260	6.97	7.35	19.2
8/12/2005	21:45:00	30.74	259	6.85	7.34	20.3
8/12/2005	22:00:00	30.74	257	6.82	7.36	18.4
8/12/2005	22:15:00	30.74	257	6.72	7.35	20.8
8/12/2005	22:30:00	30.70	257	6.71	7.34	18.8
8/12/2005	22:45:00	30.71	257	6.61	7.32	18.8
8/12/2005	23:00:00	30.70	256	6.59	7.33	17.8
8/12/2005	23:15:00	30.69	256	6.50	7.31	18.0
8/12/2005	23:30:00	30.67	257	6.42	7.29	20.3
8/12/2005	23:45:00	30.61	256	6.42	7.29	18.9
8/13/2005	0:00:00	30.59	256	6.39	7.29	18.1
8/13/2005	0:15:00	30.58	256	6.36	7.29	17.8
8/13/2005	0:30:00	30.58	257	6.29	7.27	18.4
8/13/2005	0:45:00	30.54	257	6.29	7.27	18.4

Sonde Summary  
TTFA0.3 - Mid-depth

August 2005

Date m/d/y	Time hh:mm:ss	Temp °C	SpCond uS/cm	DO mg/L	pH s.u.	Turbidity NTU
8/13/2005	1:00:00	30.53	257	6.28	7.27	18.3
8/13/2005	1:15:00	30.52	258	6.26	7.26	17.7
8/13/2005	1:30:00	30.49	259	6.21	7.25	18.1
8/13/2005	1:45:00	30.48	259	6.16	7.23	17.7
8/13/2005	2:00:00	30.45	259	6.17	7.23	17.9
8/13/2005	2:15:00	30.42	259	6.17	7.22	17.7
8/13/2005	2:30:00	30.38	259	6.15	7.21	19.0
8/13/2005	2:45:00	30.39	260	6.19	7.22	26.8
8/13/2005	3:00:00	30.36	260	6.17	7.23	19.8
8/13/2005	3:15:00	30.36	260	6.18	7.21	18.3
8/13/2005	3:30:00	30.32	260	6.15	7.21	17.5
8/13/2005	3:45:00	30.31	260	6.12	7.21	18.8
8/13/2005	4:00:00	30.30	260	6.12	7.20	17.5
8/13/2005	4:15:00	30.26	260	6.08	7.22	17.0
8/13/2005	4:30:00	30.19	260	6.13	7.20	16.2
8/13/2005	4:45:00	30.18	260	6.11	7.21	16.7
8/13/2005	5:00:00	30.15	259	6.17	7.21	17.8
8/13/2005	5:15:00	30.12	260	6.17	7.20	16.9
8/13/2005	5:30:00	30.08	259	6.15	7.21	17.4
8/13/2005	5:45:00	30.02	259	6.22	7.20	17.9
8/13/2005	6:00:00	30.00	259	6.24	7.20	17.2
8/13/2005	6:15:00	29.99	259	6.23	7.19	18.9
8/13/2005	6:30:00	29.95	259	6.20	7.18	19.9
8/13/2005	6:45:00	29.91	259	6.26	7.18	24.7
<b>MAX</b>		31.67	278.00	8.83	7.70	39.70
<b>MIN</b>		29.88	256.00	5.86	7.02	16.10
<b>AVG</b>		30.61	268.20	6.86	7.24	22.05

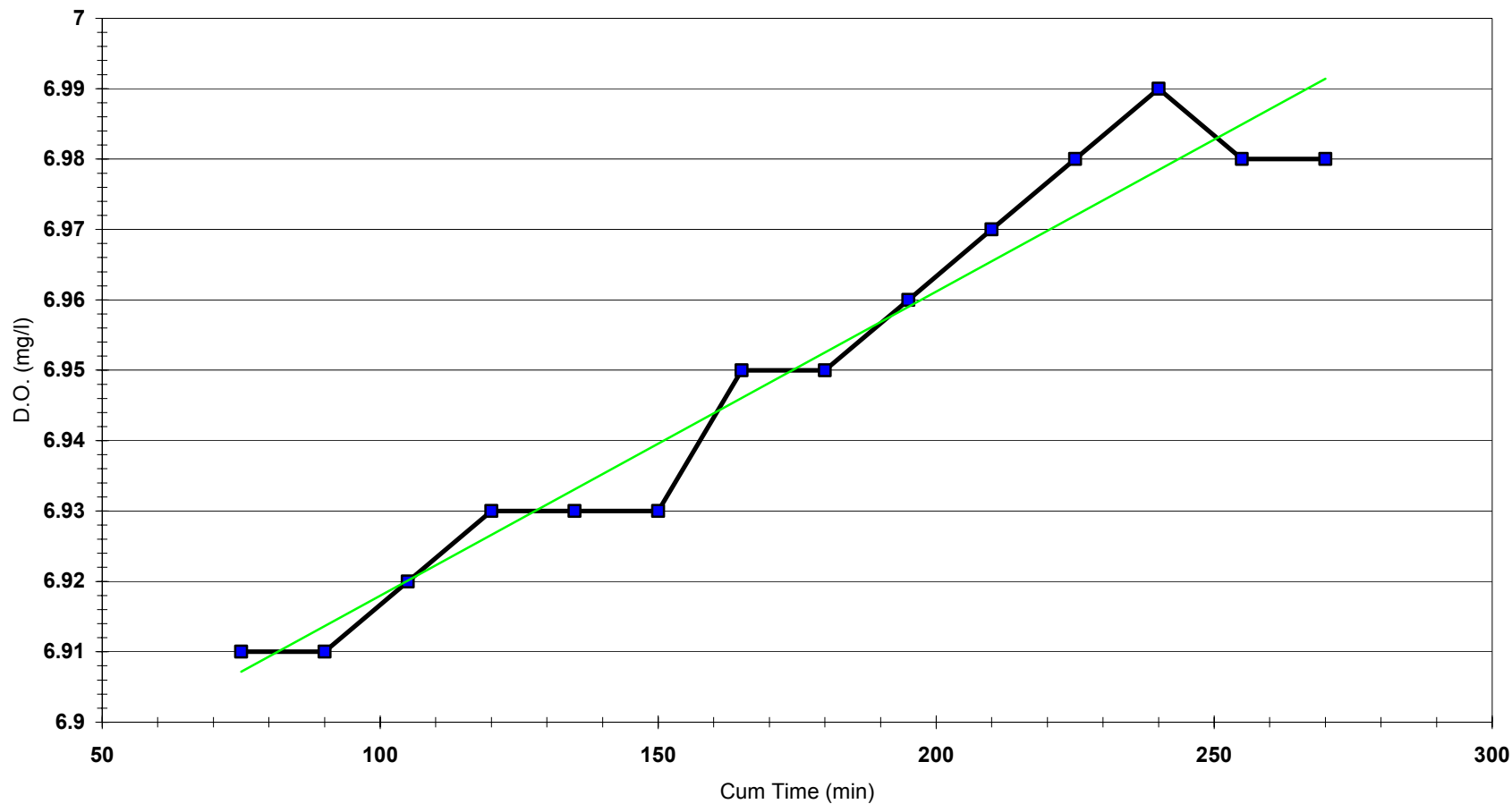
**APPENDIX E**  
**REAERATION/DOME DIFFUSION MEASUREMENTS**

Diffusion Dome Data - Float #1  
Tennessee-Tombigbee Waterway  
Columbus, MS  
August 11-12, 2005

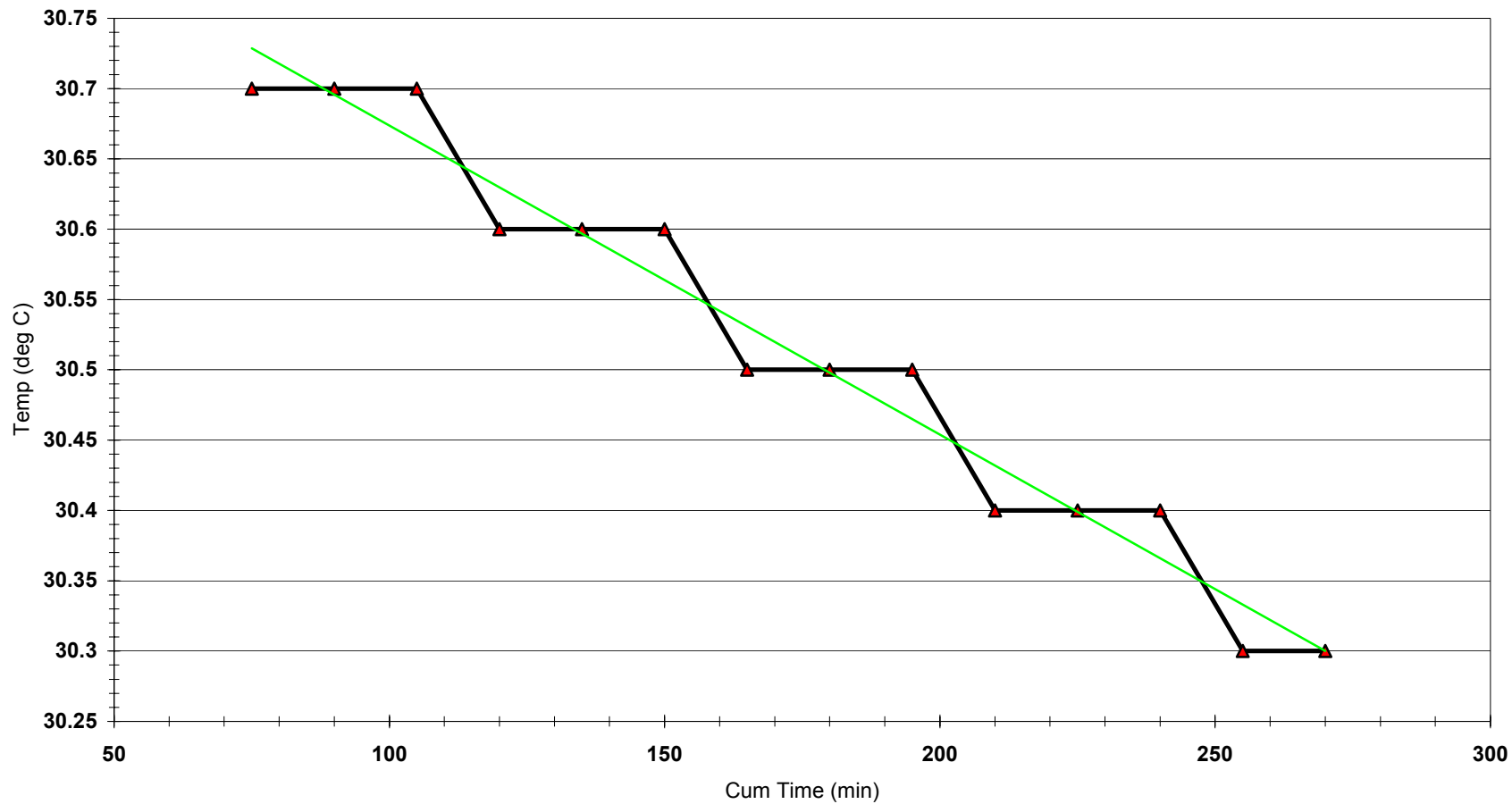
Date	Cum Time (min)	Clock Time	Dome DO mg/l	Dome Temp deg C	Water Col DO mg/l	Water Col Temp deg C	Wind Speed m/sec	Depth feet	Latitude N33deg min	Longitude W88 deg min	Boat Speed mph
8/11/05	0	23:00	7.18	29.1	8.19	30.9	0.573	16.5	35.219	29.128	0
8/11/05	15	23:15	6.91	30.6	8.19	30.9	0.8	16	35.202	29.136	0
8/11/05	30	23:30	6.91	30.7	8.2	30.9	0.69	14.8	35.198	29.158	0
8/11/05	45	23:45	6.91	30.6	7.91	30.8	0.6	14.8	35.189	29.165	0
8/12/05	60	24:00	6.92	30.6	7.94	30.8	0.36	14.8	35.172	29.17	0
8/12/05	75	00:15	6.91	30.7	8.13	30.9	0.58	15.7	35.148	29.167	0
8/12/05	90	00:30	6.91	30.7	7.98	30.8	0.625	15.3	35.129	29.193	0
8/12/05	105	00:45	6.92	30.7	7.89	30.7	0.965	14.8	35.119	29.209	0
8/12/05	120	01:00	6.93	30.6	7.88	30.7	0.798	14.8	35.087	29.22	0
8/12/05	135	01:15	6.93	30.6	7.85	30.7	0.75	14.3	35.091	29.234	0
8/12/05	150	01:30	6.93	30.6	7.9	30.7	0.836	14.4	35.099	29.257	0
8/12/05	165	01:45	6.95	30.5	7.87	30.7	0.625	14	35.065	29.267	0
8/12/05	180	02:00	6.95	30.5	7.72	30.6	0.568	15	35.03	29.286	0
8/12/05	195	02:15	6.96	30.5	7.48	30.6	0.73	12.3	35.022	29.316	0
8/12/05	210	02:30	6.97	30.4	7.45	30.5	0.764	13.5	34.986	29.339	0
8/12/05	225	02:45	6.98	30.4	7.43	30.5	0.72	14.7	34.976	29.339	0
8/12/05	240	03:00	6.99	30.4	7.29	30.5	0.678	15.2	34.951	29.357	0.3
8/12/05	255	03:15	6.98	30.3	7.28	30.5	0.58	15.7	34.946	29.37	0
8/12/05	270	03:30	6.98	30.3	7.25	30.4	0.415	15.7	34.939	29.377	0.3
Averages					7.7	30.6	0.7	14.7			

Diffusion Dome - Float #1  
Tennessee-Tombigbee Waterway  
Columbus, MS

$y = 0.0004x + 6.8747$   
 $R^2 = 0.9475$



Diffusion Dome - Float #1  
Tennessee-Tombigbee Waterway  
Columbus, MS



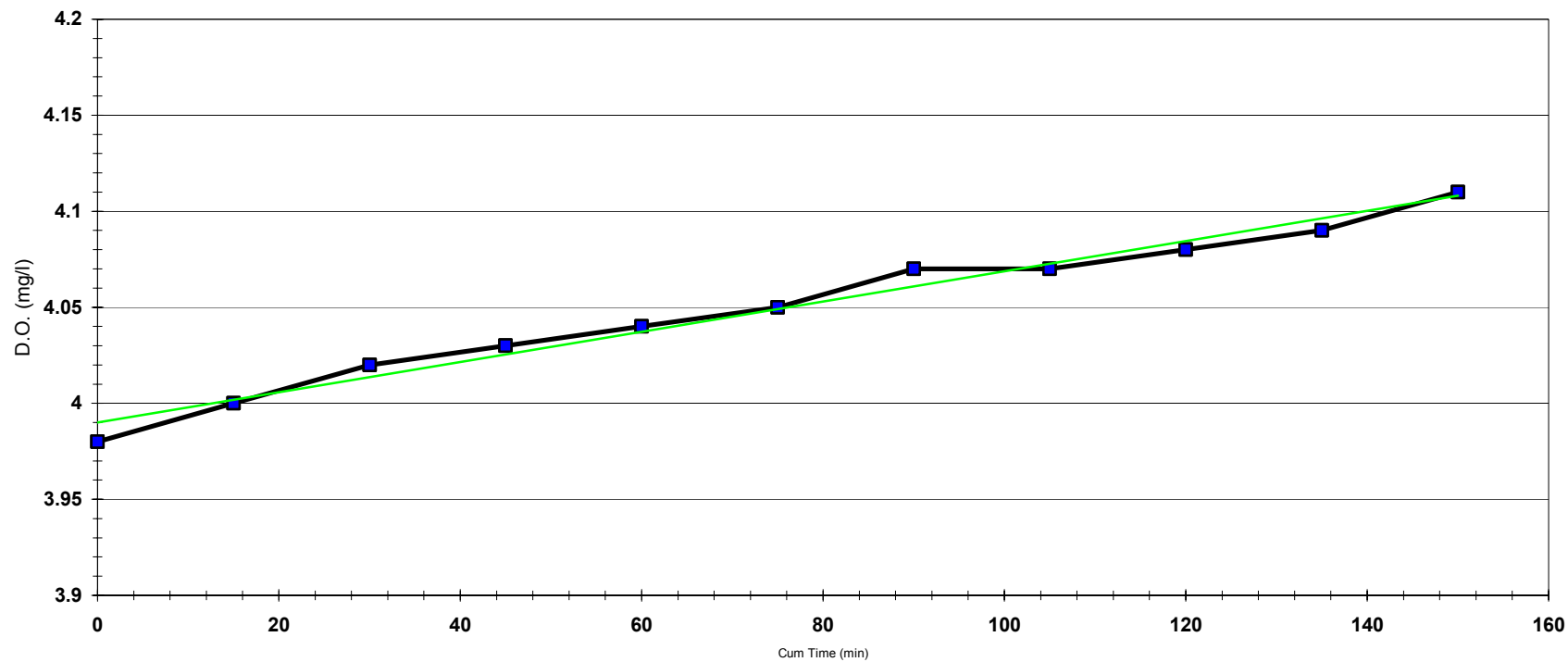
Diffusion Dome Data - Float # 2  
Tennessee-Tombigbee Waterway  
Columbus, MS  
August 13-14 2005

Date	Cum Time (min)	Clock Time	Dome DO mg/l	Dome Temp deg C	Water Col DO mg/l	Water Col Temp deg C	Wind Speed m/sec	Depth feet	Latitude N33deg min	Longitude W88 deg min	Boat Speed mph
8/13/05	0	23:45	3.98	27.6	5.69	30	1.11	13.6	30.697	29.344	0.2
8/13/05	15	24:00	4	27.6	5.69	30	1.22	12.8	30.721	29.317	0
8/14/05	30	00:15	4.02	27.6	5.74	30	1.41	14	30.734	29.307	0
8/14/05	45	00:30	4.03	27.5	5.77	29.9	1.213	12.5	30.736	29.309	0
8/14/05	60	00:45	4.04	27.5	5.63	29.9	1	12	30.734	29.317	0
8/14/05	75	01:00	4.05	27.5	5.62	29.9	0.895	12.3	30.738	29.348	0
8/14/05	90	01:15	4.07	27.5	5.75	29.9	1.14	11.7	30.761	29.314	0
8/14/05	105	01:30	4.07	27.5	5.88	29.9	1.15	13.4	30.779	29.298	0
8/14/05	120	01:45	4.08	27.4	6.07	29.8	0.9	12.4	30.772	29.303	0
8/14/05	135	02:00	4.09	27.4	5.88	29.8	0.966	11.9	30.785	29.35	0
8/14/05	150	02:15	4.11	27.4	5.86	29.8	0.97	12.8	30.827	29.311	0
Averages					5.8	29.9	1.1	12.7			

Shaded area represents the data used for the calculation

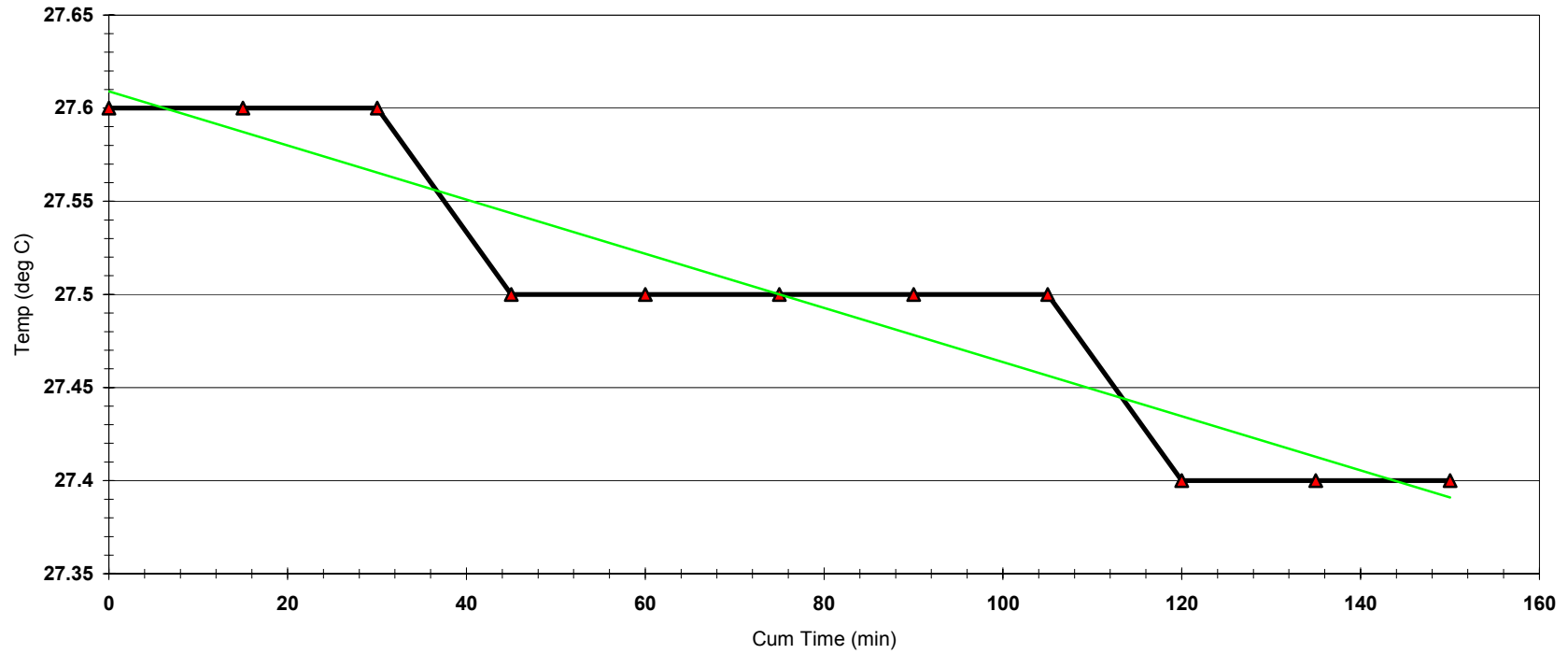
Diffusion Dome - Float # 2  
Tennessee-Tombigbee Waterway  
Columbus, MS

$y = 0.0008x + 3.99$   
 $R^2 = 0.9791$





Diffusion Dome - Float # 2  
Tennessee-Tombigbee Waterway  
Columbus, MS



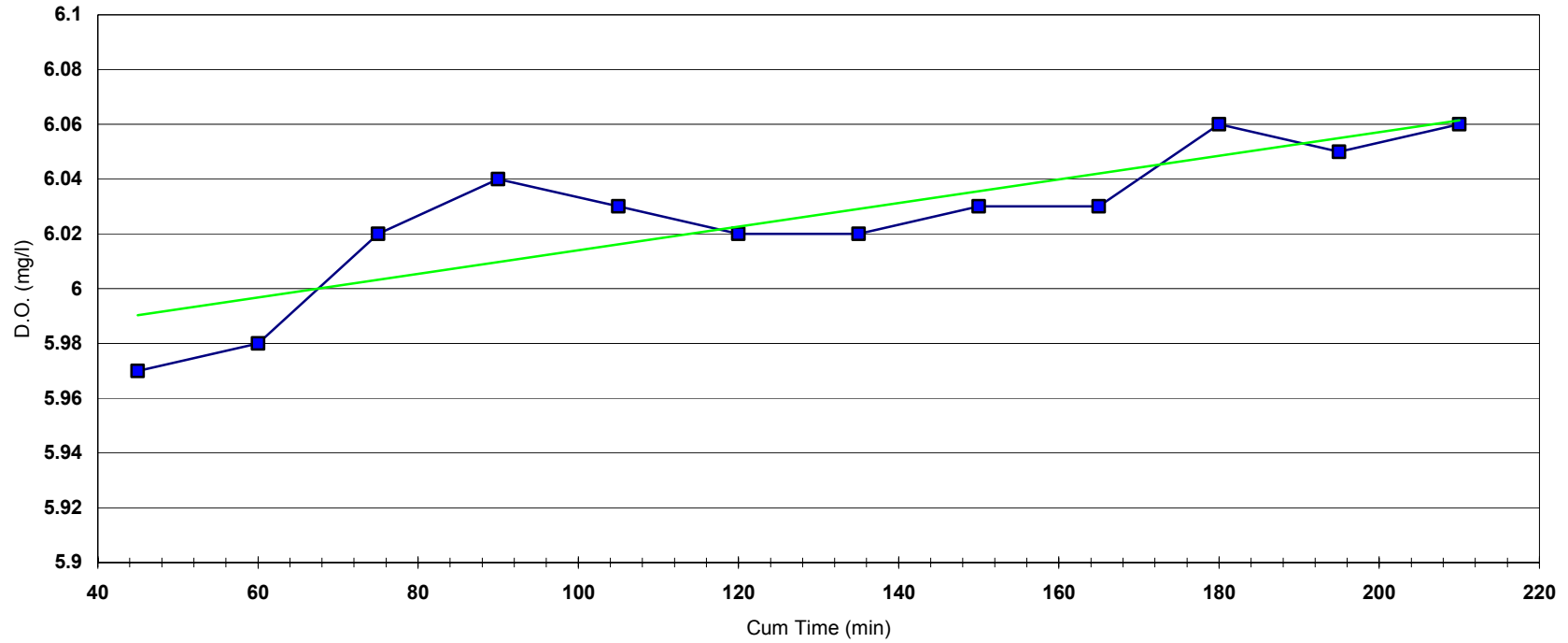
Diffusion Dome Data - Float # 3  
Tennessee-Tombigbee Waterway  
Columbus, MS  
August 14-15, 2005

Date	Cum Time (min)	Clock Time	Dome DO mg/l	Dome Temp deg C	Water Col DO mg/l	Water Col Temp deg C	Wind Speed m/sec	Depth feet	Latitude N33deg min	Longitude W88 deg min	Boat Speed mph
8/14/05	0	21:45	6.12	27.2	7.62	30.9	0.74	12.5	26.194	26.154	0
8/14/05	15	22:00	6.1	27.6	7.89	31.1	0.601	9	26.199	26.517	0
8/14/05	30	22:15	5.98	28.3	7.72	30.9	0.94	13.3	26.197	26.513	0
8/14/05	45	22:30	5.97	28.4	7.44	30.8	0.816	14.2	26.203	26.516	0
8/14/05	60	22:45	5.98	28.3	7.3	30.7	0.76	9.5	26.21	26.521	0
8/14/05	75	23:00	6.02	28.1	7.08	30.4	0.74	17.5	26.233	26.489	0
8/14/05	90	23:15	6.04	28.1	7.2	30.5	0.71	17.5	26.231	26.502	0
8/14/05	105	23:30	6.03	28.2	7.39	30.6	0.871	17.2	26.228	26.488	0
8/14/05	120	23:45	6.02	28.2	7.38	30.6	0.56	16.1	26.192	26.471	0.3
8/14/05	135	24:00	6.02	28.2	7.38	30.6	0.373	14.5	26.158	26.469	0
8/15/05	150	00:15	6.03	28.2	7.32	30.6	0.52	14.7	26.147	26.456	0
8/15/05	165	00:30	6.03	28.2	7.27	30.5	0.347	16	26.136	26.472	0
8/15/05	180	00:45	6.06	28	7.24	30.5	0.66	16	26.114	26.466	0
8/15/05	195	01:00	6.05	28.1	7.2	30.5	0.677	12.8	26.082	26.459	0.2
8/15/05	210	01:15	6.06	28.1	7.11	30.4	0.38	13.7	26.03	26.459	0.3
Averages					7.3	30.6	0.6	15.0			

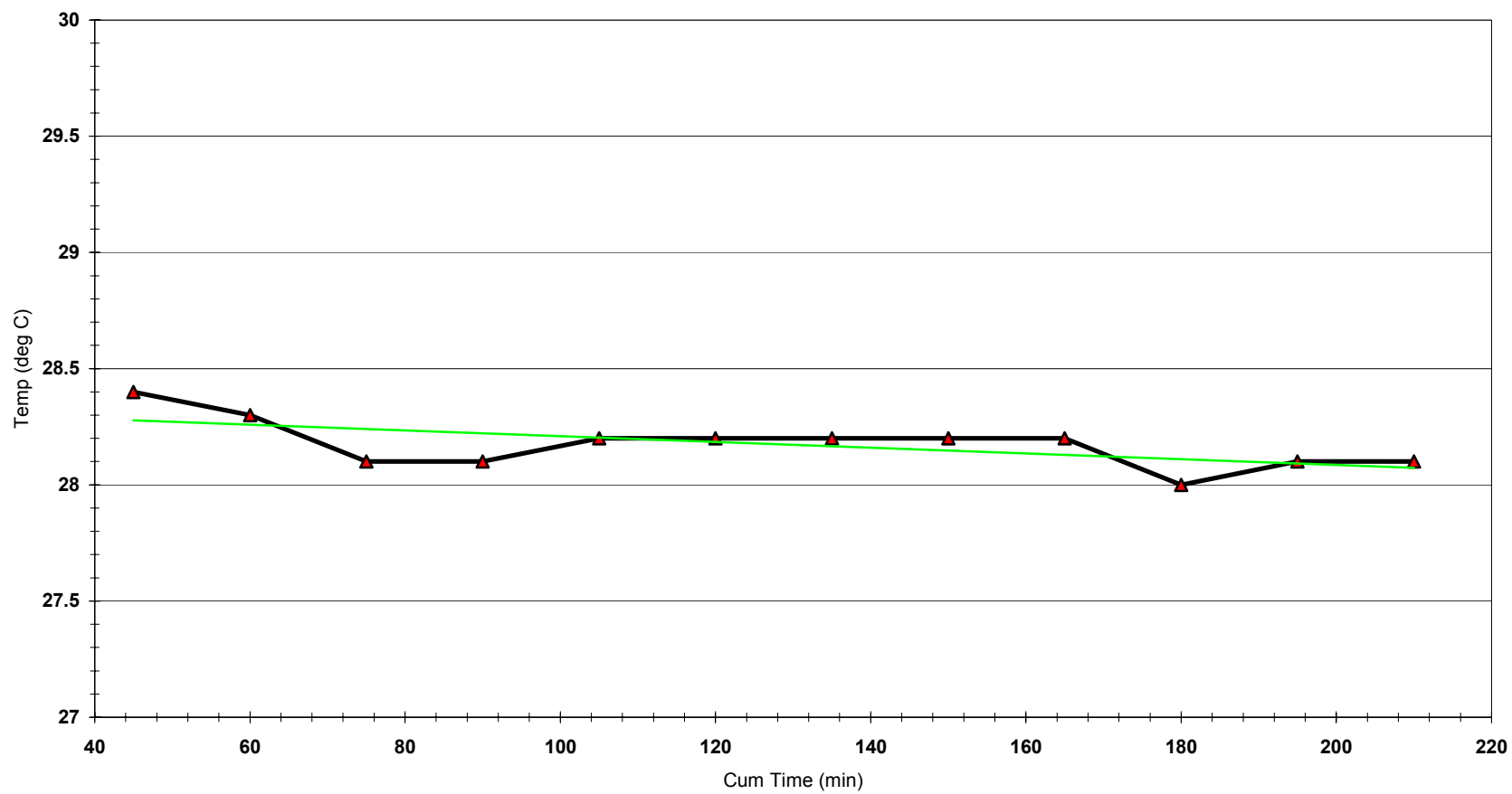
Shaded area represents the data used for the calculation

Diffusion Dome - Float # 3  
Tennessee-Tombigbee Waterway  
Columbus, MS

$y = 0.0004x + 5.9709$   
 $R^2 = 0.7046$



Diffusion Dome - Float # 3  
Tennessee-Tombigbee Waterway  
Columbus, MS



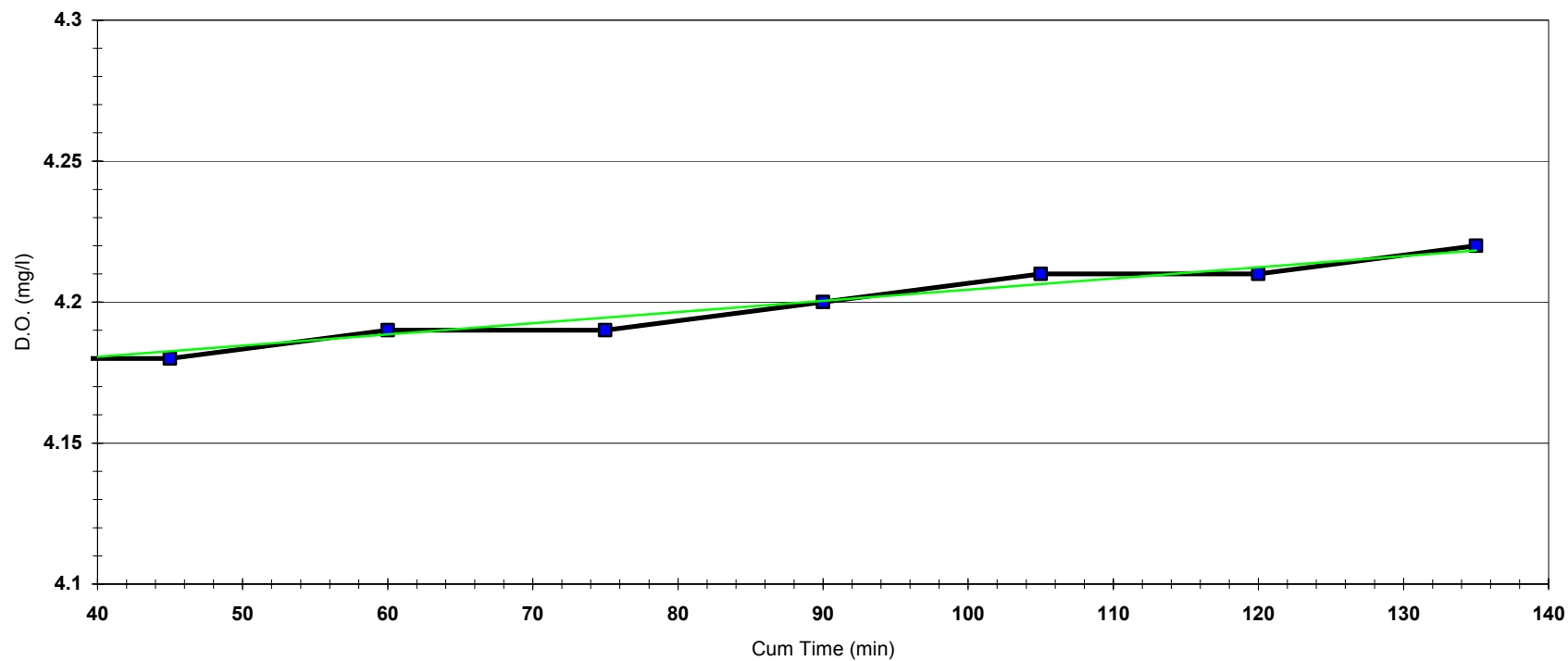
Diffusion Dome Data - Float # 4  
Tennessee-Tombigbee Waterway  
Columbus, MS  
August 15, 2005

Date	Cum Time (min)	Clock Time	Dome DO mg/l	Dome Temp deg C	Water Col DO mg/l	Water Col Temp deg C	Wind Speed m/sec	Depth feet	Latitude N33deg min	Longitude W88 deg min	Boat Speed mph
8/15/05	0	03:15	4.22	27.6	5.62	30.6	0.36	14.8	32.015	29.501	0
8/15/05	15	03:30	4.19	28	5.59	30.6	0.628	15.4	32.029	29.513	0
8/15/05	30	03:45	4.18	28.1	5.65	30.6	0.58	15.6	32.055	29.521	0
8/15/05	45	04:00	4.18	28.2	5.58	30.6	0.621	15.8	32.078	29.506	0
8/15/05	60	04:15	4.19	28.2	5.53	30.6	0.82	15	32.08	29.518	0
8/15/05	75	04:30	4.19	28.2	5.53	30.5	0.975	6	32.086	29.534	0
8/15/05	90	04:45	4.2	28.2	5.56	30.5	0.83	17.1	32.071	29.507	0
8/15/05	105	05:00	4.21	28.1	5.55	30.5	0.567	16.2	32.072	29.5	0
8/15/05	120	05:15	4.21	28.1	5.53	30.5	0.43	15.9	32.075	29.497	0
8/15/05	135	05:30	4.22	28.1	5.5	30.5	0.236	15.6	32.083	29.488	0
Averages					5.6	30.5	0.6	14.7			

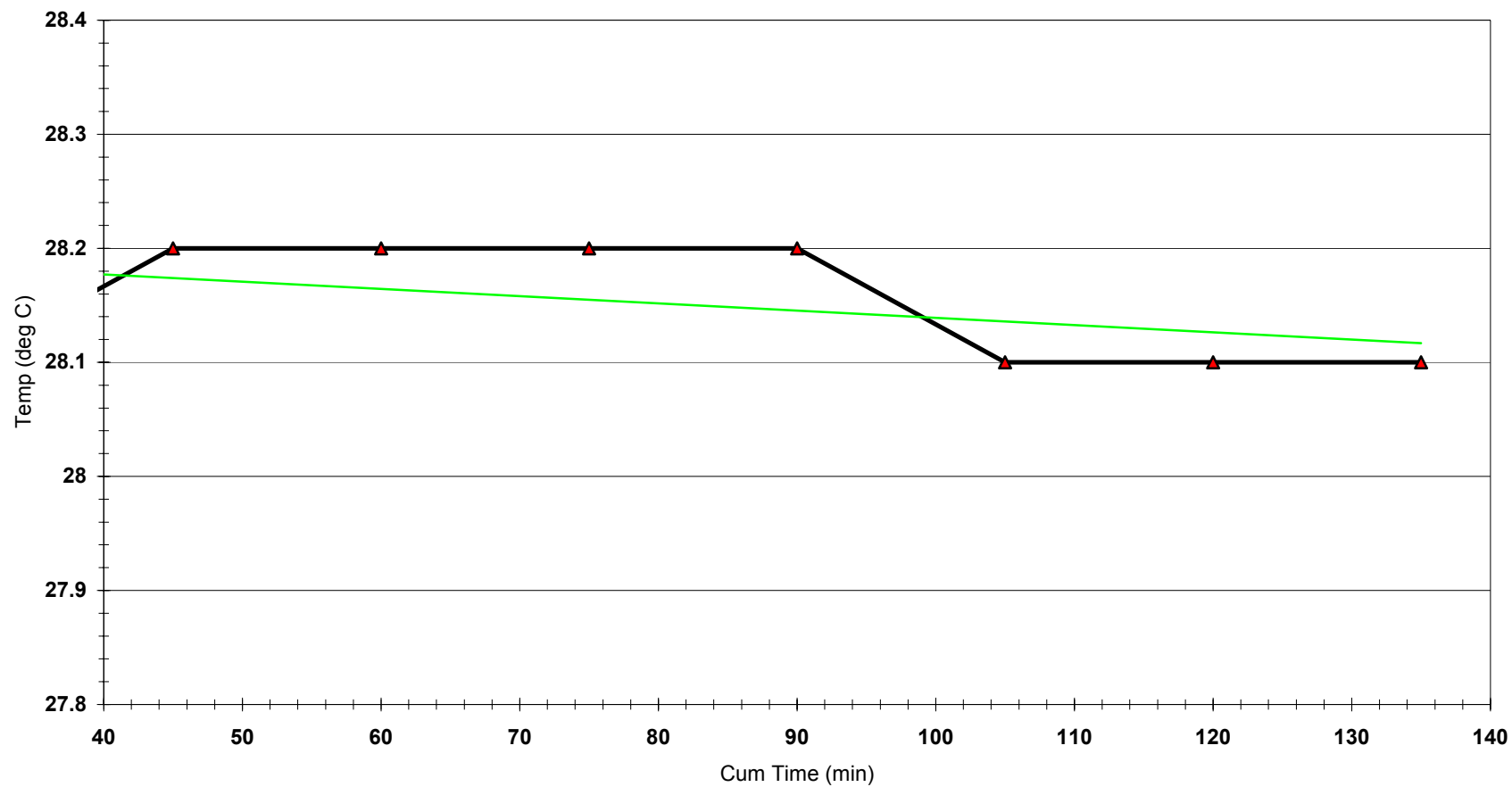
Shaded area represents the data used for the calculation

Diffusion Dome - Float # 4  
Tennessee-Tombigbee Waterway  
Columbus, MS

$y = 0.0004x + 4.1648$   
 $R^2 = 0.9601$



Diffusion Dome - Float # 4  
Tennessee-Tombigbee Waterway  
Columbus, MS

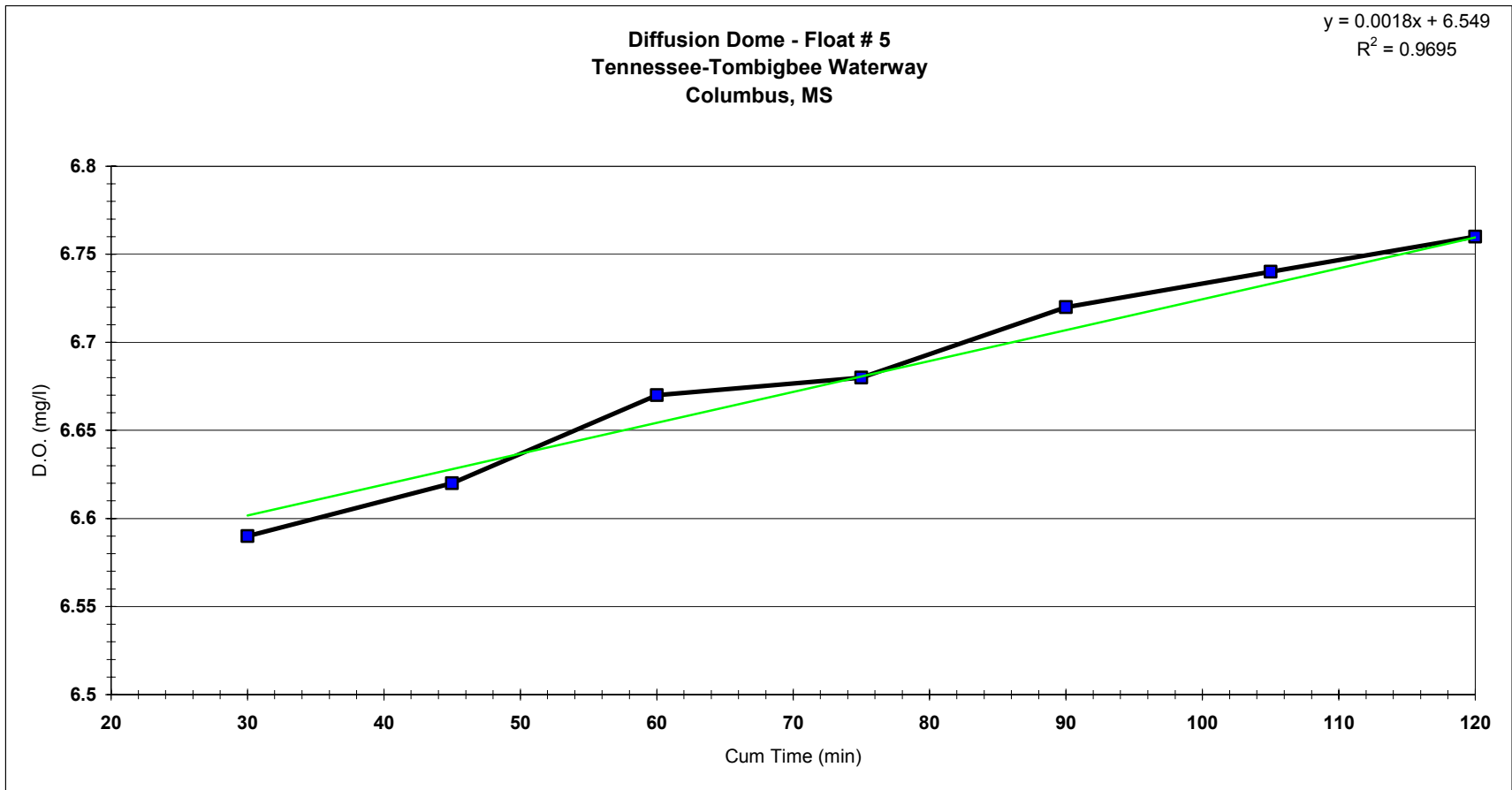


Diffusion Dome Data - Float # 5  
Tennessee-Tombigbee Waterway  
Columbus, MS  
August 15, 2005

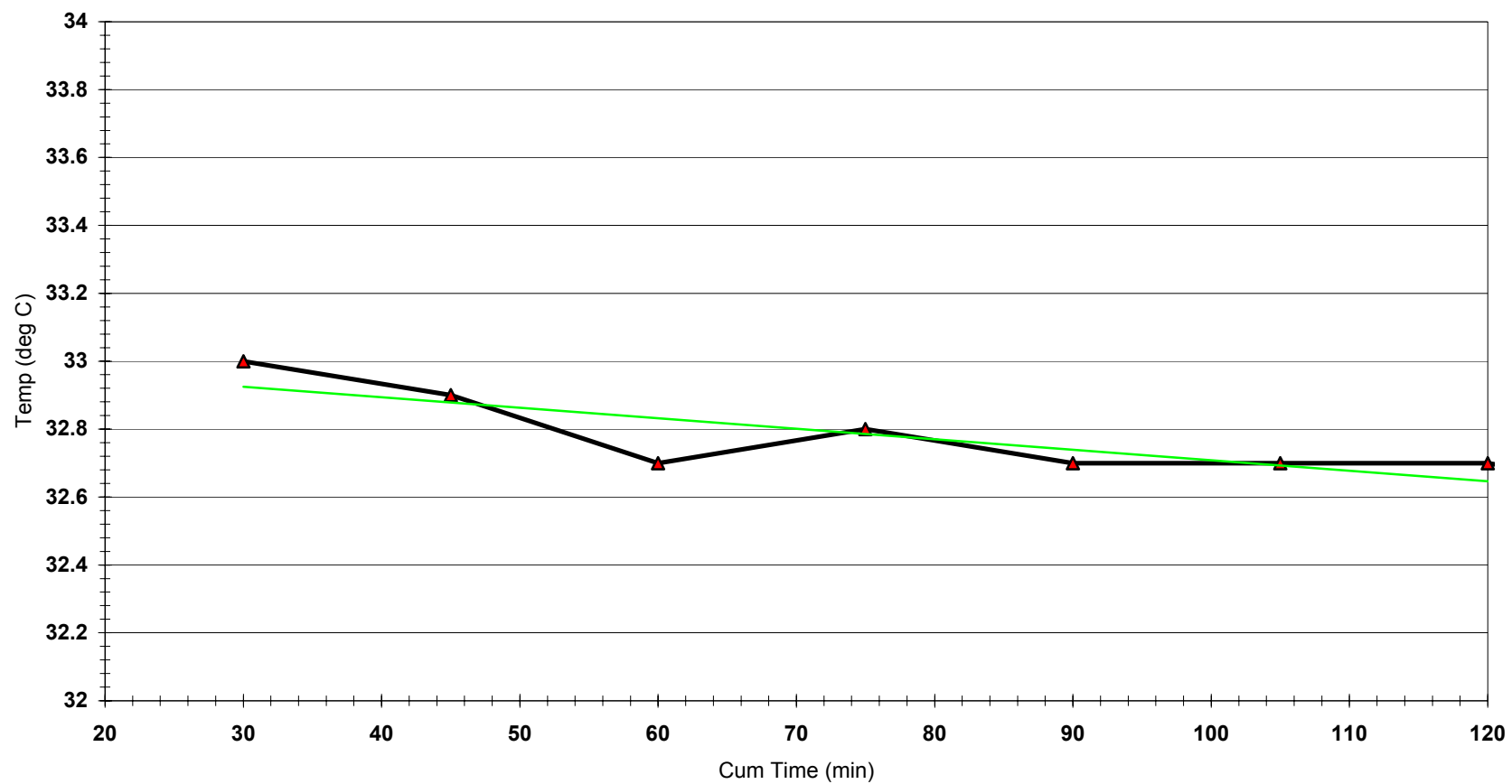
Date	Cum Time (min)	Clock Time	Dome DO mg/l	Dome Temp deg C	Water Col DO mg/l	Water Col Temp deg C	Wind Speed m/sec	Depth feet	Latitude N33deg min	Longitude W88 deg min	Boat Speed mph
8/15/05	0	20:45	6.9	30.8	8.69	33.4	0.89	11.3	15.844	18.424	0
8/15/05	15	21:00	6.62	32.7	8.51	33.4	0.4	9	15.84	18.417	0
8/15/05	30	21:15	6.59	33	8.27	33.2	0.44	10.4	15.832	18.421	0
8/15/05	45	21:30	6.62	32.9	8.13	32.9	0.48	11.5	15.829	18.423	0
8/15/05	60	21:45	6.67	32.7	8.2	32.7	1.19	13.6	15.823	18.429	0
8/15/05	75	22:00	6.68	32.8	8.27	32.8	0.76	11.8	15.823	18.423	0
8/15/05	90	22:15	6.72	32.7	8.22	32.6	0.71	24.4	15.805	18.444	0
8/15/05	105	22:30	6.74	32.7	8.24	32.7	0.68	34.2	15.792	18.463	0
8/15/05	120	22:45	6.76	32.7	8.2	32.6	0.73	30.2	15.782	18.457	0
8/15/05	135	23:00	6.77	32.6	8.15	32.5	0.84	26.7	15.784	18.442	0
Averages					8.2	32.8	0.7	20.4			

Shaded area represents the data used for the calculation





Diffusion Dome - Float # 5  
Tennessee-Tombigbee Waterway  
Columbus, MS



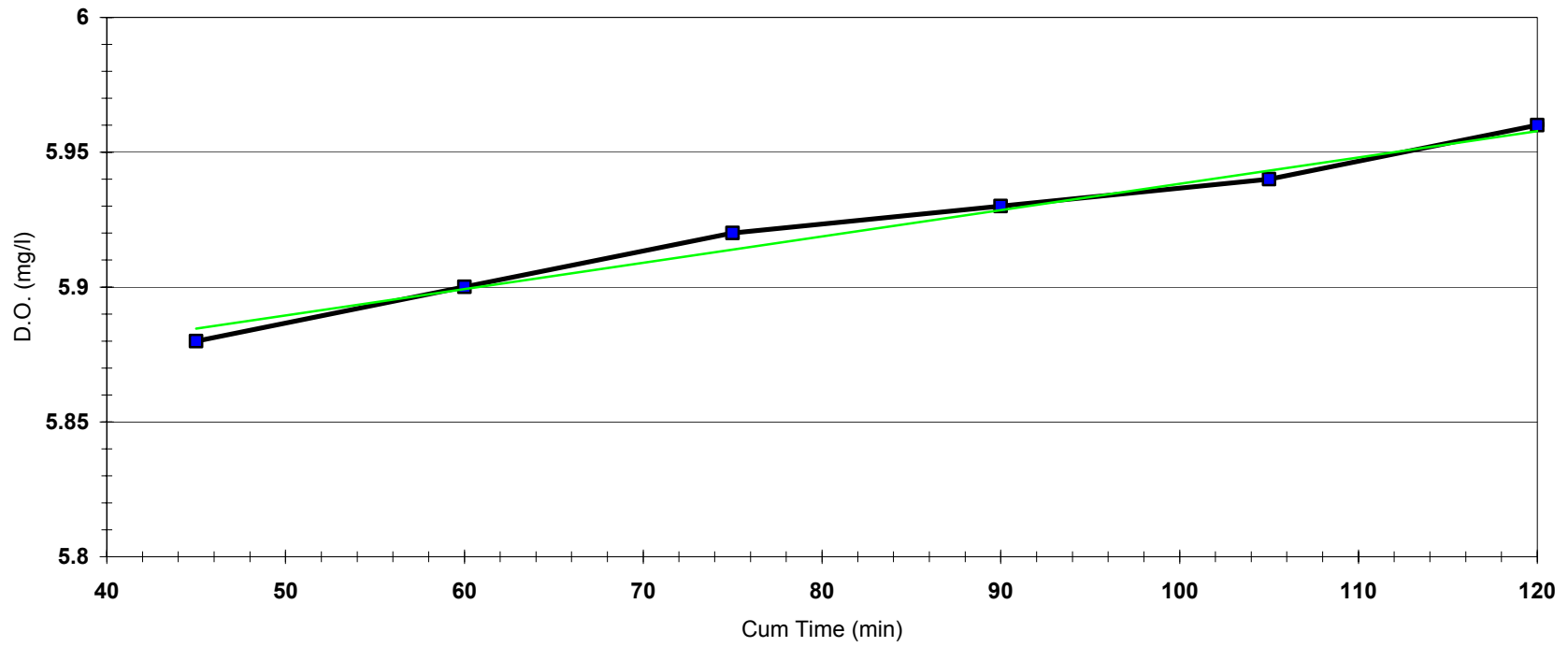
Diffusion Dome Data - Float # 6  
Tennessee-Tombigbee Waterway  
Columbus, MS  
August 11-12, 2005

Date	Cum Time (min)	Clock Time	Dome DO mg/l	Dome Temp deg C	Water Col DO mg/l	Water Col Temp deg C	Wind Speed m/sec	Depth feet	Latitude N33deg min	Longitude W88 deg min	Boat Speed mph
8/15/05	0	23:45	5.98	31	8.13	31.8	1.04	16.5	21.132	22.429	0
8/16/05	15	00:00	5.92	31.4	7.75	31.6	0.79	16	21.116	22.436	0
8/16/05	30	00:15	5.89	31.6	7.91	31.7	0.74	14.8	21.126	22.43	0
8/16/05	45	00:30	5.88	31.7	8.06	31.7	0.73	14.8	21.128	22.424	0
8/16/05	60	00:45	5.9	31.6	8.03	31.6	0.74	14.8	21.104	22.4	0.3
8/16/05	75	01:00	5.92	31.5	7.97	31.6	2.2	15.7	21.059	22.383	0.3
8/16/05	90	01:15	5.93	31.5	7.92	31.5	2.3	15.3	21.026	22.378	0
8/16/05	105	01:30	5.94	31.5	7.9	31.5	1.62	14.8	21.009	22.371	0
8/16/05	120	01:45	5.96	31.4	7.8	31.4	1.53	14.8	20.981	22.359	0
8/16/05	135	02:00	5.97	31.4	7.81	31.5	1.52	14.3	20.924	22.346	0
Averages					7.9	31.5	1.5	14.9			

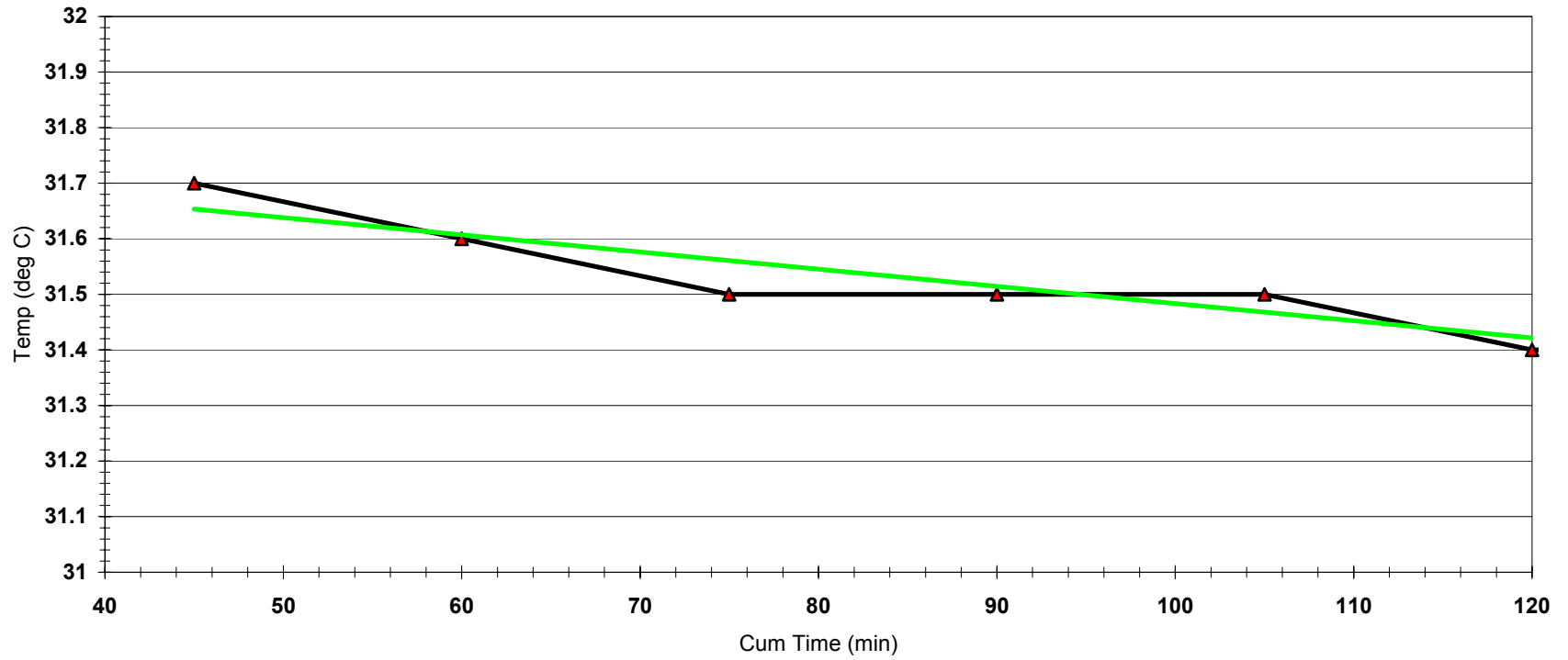
Shaded area represents the data used for the calculation

Diffusion Dome - Float # 6  
Tennessee-Tombigbee Waterway  
Columbus, MS

$y = 0.001x + 5.8407$   
 $R^2 = 0.9865$



Diffusion Dome - Float #6  
Tennessee-Tombigbee Waterway  
Columbus, MS



Wind Data  
Tennessee-Tombigbee Waterway  
August 11-16, 2005

Date	Time	Time Cum	Wind Speed meter/sec	Wind Direction Degree	Wind Dir Degree Std Dev
8/11/2005	950	0	1.517	278.9	5.223
	1000	10	1.21	295.6	21.6
	1010	20	1.426	292.3	17.58
	1020	30	1.527	284.7	12.48
	1030	40	1.409	304.5	24.16
	1040	50	1.147	281.5	26.67
	1050	60	1.109	238.9	51.62
	1100	70	0.94	207	64.32
	1110	80	1.279	257.3	44.32
	1120	90	1.56	321	19.59
	1130	100	1.559	319.1	21.48
	1140	110	1.409	298.1	31.68
	1150	120	1.055	290.2	39.73
	1200	130	1.328	284.8	37.54
	1210	140	1.561	267.4	18.41
	1220	150	1.417	302.7	27.86
	1230	160	1.132	273.3	34.12
	1240	170	1.38	266.2	19.46
	1250	180	1.581	280.5	16.58
	1300	190	1.377	281.4	20.86
	1310	200	1.332	310.3	61.35
	1320	210	1.181	318.5	66.17
	1330	220	1.48	283.8	27.85
	1340	230	1.533	271.7	38.94
	1350	240	1.275	317.5	54.52
	1400	250	1.512	333.8	35.36
	1410	260	1.271	32.83	80.9
	1420	270	1.695	74.6	32.29
	1430	280	2.014	56.58	21.51
	1440	290	1.623	53.07	44.42
	1450	300	1.797	98.2	19.82
	1500	310	1.841	116.4	35.24
	1510	320	1.818	111.5	40.69
	1520	330	1.505	78.9	59.95
	1530	340	2.165	108.2	25.04
	1540	350	1.638	99.4	29.56
	1550	360	1.885	121.1	22.52
	1600	370	1.962	135	31.1
	1610	380	1.54	136.7	38.03
	1620	390	1.615	145.8	22.32
	1630	400	1.444	160.6	24.06
	1640	410	2.068	127	14.78
	1650	420	1.6	108.7	23.91
	1700	430	1.324	122.2	20.69
	1710	440	1.236	93.2	18.02
	1720	450	1.286	86.9	12.9
	1730	460	1.204	126.5	20.39
	1740	470	1.375	131.4	14.57
	1750	480	1.515	125.3	15.91
	1800	490	1.263	132	9.22
	1810	500	1.881	181.6	38.3
	1820	510	1.989	179.7	20.97
	1830	520	1.379	194.9	20.88
	1840	530	1.603	191.5	17.92
	1850	540	1.643	192.8	14.97
	1900	550	1.271	181.4	19.69
	1910	560	0.968	178.5	23

Wind Data  
Tennessee-Tombigbee Waterway  
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Date	Time	Time Cum	Wind Speed meter/sec	Wind Direction Degree	Wind Dir Degree Std Dev
	1920	570	0.812	173.2	16.48
	1930	580	0.509	194.1	27.08
	1940	590	0.499	222.1	30.09
	1950	600	0.75	232	29.62
	2000	610	0.655	182.9	36.69
	2010	620	0.643	103.4	28.12
	2020	630	0.797	79.6	26.72
	2030	640	1.178	143.2	5.807
	2040	650	0.938	144	6.755
	2050	660	0.678	136.7	7.02
	2100	670	0.45	162.2	29.59
	2110	680	0.767	133.8	27.43
	2120	690	0.724	103.7	19.55
	2130	700	0.802	132	12.31
	2140	710	1.049	123.4	9.17
	2150	720	0.992	130.5	15.55
	2200	730	1.085	135	10.96
	2210	740	0.859	136.4	6.001
	2220	750	0.621	105	17.6
	2230	760	0.797	111.9	24.18
	2240	770	0.66	95.2	9.56
	2250	780	1.026	125.3	13
	2300	790	0.573	95.9	15.26
	2310	800	0.991	100.7	23.3
	2320	810	0.728	115.7	44.79
	2330	820	0.693	116.5	36.94
	2340	830	0.597	120.4	25.64
	2350	840	0.608	92	8.04
8/12/2005	0	850	0.36	82.4	51.05
	10	860	0.512	74.8	80.1
	20	870	0.665	99.2	14.85
	30	880	0.625	117.9	13.7
	40	890	0.915	147	10.01
	50	900	1.027	110.6	9.28
	100	910	0.798	115.8	17.23
	110	920	0.487	127.1	4.608
	120	930	0.618	93.6	12.96
	130	940	0.836	72.6	17.84
	140	950	0.685	165.4	22.53
	150	960	0.575	97.7	54.24
	200	970	0.568	76.5	10.92
	210	980	0.607	146.3	35.93
	220	990	0.872	95.3	26.3
	230	1000	0.764	174.1	41.03
	240	1010	0.873	147.5	42.97
	250	1020	0.573	97	11.02
	300	1030	0.678	159.6	9.18
	310	1040	0.724	106.9	26.74
	320	1050	0.434	206.9	18
	330	1060	0.415	116.5	37.88
	340	1070	0.794	155.7	17.24
	350	1080	0.836	166.1	13.54
	400	1090	1.09	132.4	15.83
	410	1100	0.488	74.6	14.72
	420	1110	0.545	70	13.03
	430	1120	0.526	86.9	19.45
	440	1130	0.459	140.6	40.23

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Date	Time	Time Cum	Wind Speed meter/sec	Wind Direction Degree	Wind Dir Degree Std Dev
	450	1140	0.238	154.8	21.36
	500	1150	0.461	85.1	18.28
	510	1160	0.408	72.9	3.742
	520	1170	0.782	72	17.75
	530	1180	0.493	107.4	15.11
	540	1190	0.709	129.4	13.69
	550	1200	0.488	110.2	5.149
	600	1210	0.43	162.8	48.55
	610	1220	0.775	180.9	14.36
	620	1230	0.792	153.6	14.07
	630	1240	0.868	159.4	8.59
	640	1250	0.699	75.6	24.09
	650	1260	0.43	80	15.6
	700	1270	0.806	123.2	12.32
	710	1280	0.951	145.6	26.54
	720	1290	0.743	115.3	13.14
	730	1300	0.663	85.7	15.59
	740	1310	0.451	115.3	43.74
	750	1320	0.705	199.4	35.01
	800	1330	0.832	143.9	14.42
	810	1340	1.099	148	19.76
	820	1350	0.912	179.4	17.07
	830	1360	0.791	209.2	46.66
	840	1370	0.717	228.6	39.78
	850	1380	0.585	199.5	44.53
	900	1390	0.459	255.1	49.04
	910	1400	0.688	158.1	45.33
	920	1410	0.967	151.2	30.85
	930	1420	0.911	161.6	22.6
	940	1430	0.857	157	29.29
	950	1440	0.78	186.6	38.59
	1000	1450	0.716	235.5	32.47
	1010	1460	1.179	131.9	24.86
	1020	1470	1.193	125.4	27.01
	1030	1480	1.096	167	38.4
	1040	1490	1.204	147.2	27.48
	1050	1500	1.041	110.7	49.78
	1100	1510	1.48	162.4	29.98
	1110	1520	1.473	146	47.61
	1120	1530	1.543	126.4	25.78
	1130	1540	1.539	145.9	49.69
	1140	1550	1.625	109.1	34.64
	1150	1560	1.836	135.3	25.26
	1200	1570	2.326	96.4	24.56
	1210	1580	1.827	82.2	28.4
	1220	1590	1.244	117.7	57.18
	1230	1600	1.216	114.6	66.71
	1240	1610	1.912	102.7	34.37
	1250	1620	1.837	113.2	32.47
	1300	1630	1.817	110.6	29.09
	1310	1640	1.52	86.1	22.07
	1320	1650	1.622	118.1	47.16
	1330	1660	1.14	59.24	53.3
	1340	1670	1.478	84.1	30.2
	1350	1680	1.538	50.09	40.44
	1400	1690	1.247	30.35	40.29
	1410	1700	1.554	29.3	37.99



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Date	Time	Time Cum	Wind Speed meter/sec	Wind Direction Degree	Wind Dir Degree Std Dev
	1420	1710	1.167	8.16	26.27
	1430	1720	1.348	15.83	49.54
	1440	1730	1.029	90.5	63.21
	1450	1740	1.473	197.3	42.18
	1500	1750	1.19	184.8	34.96
	1510	1760	0.917	154.4	95.9
	1520	1770	1.129	32.31	39.4
	1530	1780	0.92	348	102.2
	1540	1790	1.166	133.1	47.39
	1550	1800	1.691	81	28.62
	1600	1810	1.341	48.49	26.07
	1610	1820	5.098	276.2	13.38
	1620	1830	8.53	275.7	26.43
	1630	1840	5.54	157.3	18.57
	1640	1850	3.494	156.3	18.55
	1650	1860	2.184	63.58	95.2
	1700	1870	2.977	330.4	29.82
	1710	1880	1.625	4.803	24.42
	1720	1890	1.182	88	72
	1730	1900	0.912	109.4	57.24
	1740	1910	1.035	66.98	21.22
	1750	1920	1.625	89.8	22.26
	1800	1930	2.539	98.9	10.36
	1810	1940	2.512	93.4	10.49
	1820	1950	1.602	63.6	14.93
	1830	1960	1.399	30.46	15.75
	1840	1970	1.649	33.21	23.89
	1850	1980	1.485	54.72	13.93
	1900	1990	1.773	78.9	13.04
	1910	2000	1.605	85.2	23.63
	1920	2010	1.376	82.5	22.26
	1930	2020	1.501	91.5	11.05
	1940	2030	1.364	84.1	12.36
	1950	2040	1.668	111.7	16.52
	2000	2050	1.605	112.5	15.52
	2010	2060	1.236	45.79	35.86
	2020	2070	1.094	359.1	22.3
	2030	2080	0.769	46.82	49.37
	2040	2090	0.762	40.91	8.74
	2050	2100	0.962	47.11	37.68
	2100	2110	1.166	73.3	40.7
	2110	2120	1.032	87.6	25.89
	2120	2130	1.017	123.3	17.73
	2130	2140	1.357	146.3	13.84
	2140	2150	1.1	127	21.5
	2150	2160	0.918	98.7	23.87
	2200	2170	1.044	93.4	14.63
	2210	2180	1.21	56.47	20.38
	2220	2190	0.907	43.62	25.37
	2230	2200	1.022	24.51	29.67
	2240	2210	1.485	57.18	24.3
	2250	2220	1.378	69.02	19.76
	2300	2230	1.277	67.32	14.7
	2310	2240	1.085	85.9	19.73
	2320	2250	1.09	79.4	17.48
	2330	2260	1.349	79.3	14.8
	2340	2270	1.043	46.01	18.2

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Date	Time	Time Cum	Wind Speed meter/sec	Wind Direction Degree	Wind Dir Degree Std Dev
	110	10	0.921	11.34	13.58
	120	20	0.546	44.09	29.2
	130	30	0.492	46.46	40.85
	140	40	0.454	356.3	11.28
	150	50	0.829	26.29	19.14
	200	60	0.359	56.41	7.78
	210	70	0.692	31.35	18.34
	220	80	0.658	25.47	8.55
	230	90	0.902	58.29	31.26
	240	100	0.974	68.92	7.6
	250	110	0.664	28.27	23.46
	300	120	0.585	42.38	19.93
	310	130	1.114	13.88	13.08
	320	140	1.093	13.15	7.06
	330	150	0.547	89.2	27.41
	340	160	0.337	74.8	25.29
	350	170	0.663	31.96	17.42
	400	180	1.118	6.215	18.15
	410	190	1.029	15.72	16.57
	420	200	1.05	26.74	16.37
	430	210	0.856	20.22	20.11
	440	220	0.662	77.8	34.92
	450	230	0.773	84.5	12.4
	500	240	0.728	32.8	15.83
	510	250	0.721	29.35	19.26
	520	260	0.5	51.8	39.74
	530	270	0.567	89.8	29.3
	540	280	0.656	104.6	21.5
	550	290	0.747	51.96	16.72
	600	300	0.589	15.03	14.9
	610	310	0.598	56.74	29.37
	620	320	0.856	71.5	9.3
	630	330	0.618	64.36	22.6
	640	340	0.898	89.7	12.68
	650	350	0.815	63.05	16.09
	700	360	0.928	26.2	24.36
	710	370	0.785	34.58	15.32
	720	380	0.719	40.72	23.63
	730	390	0.889	49.03	17.02
	740	400	1.198	51.26	18.29
	750	410	0.813	53.6	21.8
	800	420	1.076	61.51	21.92
	810	430	1.014	71	20.64
	820	440	1.483	92.7	16.92
	830	450	1.357	74	14.04
	840	460	1.308	76.5	22.42
	850	470	1.09	135.4	53.88
	900	480	1.489	135.9	27.27
	910	490	1.39	139.9	30.95

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Date	Time	Time Cum	Wind Speed meter/sec	Wind Direction Degree	Wind Dir Degree Std Dev
	1040	10	0.84	241.5	32.13
	1050	20	0.834	139	79.4
	1100	30	1.24	212.3	40.7
	1110	40	0.814	146.9	56.44
	1120	50	1.409	108.6	35.86
	1130	60	1.241	97.6	70.6
	1140	70	1.577	70.4	25.83
	1150	80	1.405	118.4	42.94
	1200	90	1.427	150.4	40.35
	1210	100	1.331	206.5	22.1
	1220	110	1.166	232.2	20.84
	1230	120	1.311	219.3	26.02
	1240	130	1.208	275	53.61
	1250	140	1.379	272.3	21.13
	1300	150	1.302	280.3	28.09
	1310	160	1.452	287.8	22.37
	1320	170	1.449	290.2	23.61
	1330	180	1.44	315.4	23.05
	1340	190	1.341	319.3	26.12
	1350	200	1.278	319.3	36.24
	1400	210	1.348	277.9	61.22
	1410	220	1.139	22.2	43.32
	1420	230	0.903	98.5	43.33
	1430	240	1.327	93	19.32
	1440	250	2.401	205.4	40.06
	1450	260	1.934	195.3	20.28
	1500	270	1.026	229.1	67.34
	1510	280	1.102	225.3	34.16
	1520	290	0.631	66.17	102.6
	1530	300	2.736	154	13.99
	1540	310	2.727	148.1	16.91
	1550	320	1.6	121.1	17.2
	1600	330	1.803	83.8	15.15
	1610	340	1.528	82.2	12.1
	1620	350	1.483	114.4	28.64
	1630	360	1.33	200.9	75.2
	1640	370	0.67	167.3	80.1
	1650	380	0.806	17.65	26.45
	1700	390	0.901	70.5	18.68
	1710	400	0.98	36.15	11.4
	1720	410	1.175	39.32	11.38
	1730	420	1.272	39.44	13.58
	1740	430	1.413	39.51	13.3
	1750	440	1.438	43.59	12.42
	1800	450	1.45	41.54	14.92
	1810	460	1.537	68.58	21.34
	1820	470	1.53	63.38	13.77
	1830	480	1.446	41.74	20.18
	1840	490	1.494	61.32	19.11

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Date	Time	Time Cum	Wind Speed meter/sec	Wind Direction Degree	Wind Dir Degree Std Dev
	2010	10	1.377	28.49	24.39
	2020	20	1.669	55.18	27.06
	2030	30	1.6	52.58	20.08
	2040	40	1.774	27.33	40.86
	2050	50	1.316	37.01	26.75
	2100	60	1.31	21.82	21.49
	2110	70	1.368	32.32	18.23
	2120	80	1.5	45.62	19.21
	2130	90	1.222	39.93	17
	2140	100	1.518	37.1	17.3
	2150	110	1.543	44.12	20.39
	2200	120	1.611	57.09	13.89
	2210	130	1.438	46.11	15.3
	2220	140	1.186	32.03	24.31
	2230	150	1.035	35.34	18.54
	2240	160	1.281	40.68	20.45
	2250	170	1.556	43.81	19.79
	2300	180	1.072	52.32	19.61
	2310	190	0.858	17.88	24.98
	2320	200	0.927	31.96	16.99
	2330	210	0.991	59.64	23.96
	2340	220	1.056	45.84	31.45
	2350	230	1.182	59.6	23.3
8/14/2005	0	240	1.218	81.8	20.41
	10	250	1.552	60.47	30.68
	20	260	1.281	49.55	27.85
	30	270	1.213	7.59	34.82
	40	280	0.882	60.31	32.01
	50	290	1.126	61.34	19.92
	100	300	0.895	16.86	26.76
	110	310	1.112	63.45	37.8
	120	320	1.185	66.18	21.2
	130	330	1.152	82	28.61
	140	340	0.857	69.79	42.71
	150	350	0.95	48.79	27.77
	200	360	0.966	7.34	21.1
	210	370	1.038	31.56	15.76
	220	380	0.912	34.65	21.33
	230	390	0.991	87.9	17.15
	240	400	0.685	96.1	21.72
	250	410	1.046	6.418	26.96
	300	420	0.722	19.07	22.37
	310	430	0.411	14.96	13.36
	320	440	0.457	10.15	18.23
	330	450	0.825	3.037	25.14
	340	460	0.748	10.85	23.27
	350	470	0.501	18.23	33.94
	400	480	0.288	94.9	3.171
	410	490	0.28	347.8	35.29

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Date	Time	Time Cum	Wind Speed meter/sec	Wind Direction Degree	Wind Dir Degree Std Dev
	540	10	0.483	61.21	56.7
	550	20	0.752	91.1	22.11
	600	30	0.94	95.5	9.97
	610	40	0.964	92.6	12.08
	620	50	0.638	95.7	22.05
	630	60	0.684	76.2	16.85
	640	70	0.645	79.9	23.67
	650	80	0.41	51.8	39.83
	700	90	0.693	13.02	35.23
	710	100	0.867	42.16	17.47
	720	110	0.913	37.3	17.43
	730	120	0.987	60.75	16.76
	740	130	0.867	56.08	19
	750	140	0.868	55.8	25.44
	800	150	0.701	79.3	39.59
	810	160	0.872	73.4	29.16
	820	170	0.942	67.72	25.59
	830	180	1.326	65.81	19.19
	840	190	0.89	105.2	48.53
	850	200	0.932	107.8	49.79
	900	210	1.159	107.7	33.93
	910	220	0.935	113.5	39.76
	920	230	0.892	52.13	58.75
	930	240	0.77	18.61	66.64
	940	250	0.985	196.4	36.19
	950	260	1.273	220	25.26
	1000	270	0.927	251.2	46.52
	1010	280	0.89	251.5	57.7
	1020	290	1.426	292.4	14.65
	1030	300	1.255	303.8	24.19
	1040	310	1.411	294.2	19.29
	1050	320	1.189	276.9	35.14
	1100	330	1.032	262.1	47.2
	1110	340	0.894	256.9	51.35
	1120	350	1.032	222.8	49.65
	1130	360	0.912	262.9	55.03
	1140	370	1.12	320.2	43.67
	1150	380	1.098	307.5	26.86
	1200	390	1.261	273.1	40.6
	1210	400	1.189	256.4	34.33
	1220	410	1.199	251.8	46.25
	1230	420	1.08	217.2	46.48
	1240	430	1.211	297.5	58.21
	1250	440	1.212	260.9	79.5
	1300	450	1.091	211.9	60.96
	1310	460	1.048	275.2	61.11
	1320	470	1.534	291.6	29.36
	1330	480	0.875	247.2	55.37
	1340	490	0.947	340.5	29.3

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Tennessee-Tombigbee Waterway  
August 11-16, 2005

Date	Time	Time Cum	Wind Speed meter/sec	Wind Direction Degree	Wind Dir Degree Std Dev
	1510	10	1.038	191.6	44.99
	1520	20	1.154	42.07	53.94
	1530	30	1.26	337	27.77
	1540	40	1.23	26.43	32.04
	1550	50	1.109	47.51	46.86
	1600	60	1.3	58.05	46.01
	1610	70	1.189	36.18	39.23
	1620	80	1.068	25.74	60.27
	1630	90	1.189	49.67	30.93
	1640	100	1.571	43.52	17.34
	1650	110	1.465	50	23.22
	1700	120	1.496	41.08	15.37
	1710	130	1.52	41.42	17.89
	1720	140	1.277	39.44	15.56
	1730	150	1.081	42.81	17.69
	1740	160	1.181	49.78	19.58
	1750	170	1.304	40.06	22.94
	1800	180	1.179	38.7	19.77
	1810	190	1.203	37.22	13.89
	1820	200	0.947	38.4	12.7
	1830	210	1.048	40.99	11.62
	1840	220	0.922	54.48	18.63
	1850	230	0.895	66.34	26.86
	1900	240	0.816	37.28	4.929
	1910	250	0.805	47.56	8.52
	1920	260	0.63	79.6	22.34
	1930	270	0.676	65.02	16.39
	1940	280	0.732	50.74	7.83
	1950	290	0.874	89.1	14.51
	2000	300	0.799	90.4	9.44
	2010	310	0.865	85.2	7.63
	2020	320	0.648	78.5	16.58
	2030	330	0.659	98.9	24.7
	2040	340	0.763	54.9	23.57
	2050	350	0.347	58.09	39.42
	2100	360	0.703	90.3	20.38
	2110	370	0.702	111.2	24.11
	2120	380	0.68	78.8	14.02
	2130	390	0.886	66.84	14.29
	2140	400	0.686	66.02	12.87
	2150	410	0.79	89.5	13.03
	2200	420	0.601	95.7	19.57
	2210	430	0.958	30.21	16.85
	2220	440	0.933	68.77	26.6
	2230	450	0.816	103.2	12.19
	2240	460	0.714	34.96	24.74
	2250	470	0.813	83.5	14.03
	2300	480	0.744	65.62	19.02
	2310	490	0.696	96.4	26.78

Wind Data  
Tennessee-Tombigbee Waterway  
August 11-16, 2005

Date	Time	Time Cum	Wind Speed meter/sec	Wind Direction Degree	Wind Dir Degree Std Dev
	40	10	0.639	19.25	24.91
	50	20	0.703	19.22	22.14
	100	30	0.677	2.359	19.09
	110	40	0.311	84.9	62.27
	120	50	0.464	88.6	18.24
	130	60	0.404	96.5	11.63
	140	70	0.347	139	11.34
	150	80	0.752	88.9	9.59
	200	90	0.602	37.35	23.32
	210	100	0.661	35.57	39.04
	220	110	0.432	115.5	16.35
	230	120	0.621	103.6	13.58
	240	130	0.661	30.92	33.55
	250	140	0.416	21.67	20.04
	300	150	0.331	18.69	33.24
	310	160	0.428	106.8	54.04
	320	170	0.312	104.4	26.61
	330	180	0.628	160.9	10.06
	340	190	0.47	109.2	12.56
	350	200	0.696	113	9.46
	400	210	0.621	79.7	28.56
	410	220	0.748	1.242	33.8
	420	230	0.917	356.6	26.63
	430	240	0.975	7.97	13.98
	440	250	0.635	46.64	46.86
	450	260	1.023	151.8	17.3
	500	270	0.567	101.6	15.2
	510	280	0.564	82.2	24.35
	520	290	0.317	35.72	34.71
	530	300	0.236	79.2	10.79
	540	310	0.849	27.38	22.91
	550	320	0.487	80.6	43.61
	600	330	0.623	83.5	23.97
	610	340	0.439	102.1	27.61
	620	350	0.422	31.62	6.866
	630	360	0.541	23.6	14.83
	640	370	0.682	32.17	23.55
	650	380	0.694	21.74	35.11
	700	390	0.918	64.69	27.02
	710	400	1.02	94.6	17.37
	720	410	0.625	51.41	14.87
	730	420	0.634	83.7	27.3
	740	430	0.699	95.7	23.95
	750	440	0.916	80.5	27.79
	800	450	0.995	107.3	29.14
	810	460	0.889	121.9	50.89
	820	470	1.061	145.3	32.89
	830	480	1.084	184.7	32.26
	840	490	0.955	169.9	22.13

Wind Data  
Tennessee-Tombigbee Waterway  
August 11-16, 2005

Date	Time	Time Cum	Wind Speed meter/sec	Wind Direction Degree	Wind Dir Degree Std Dev
	1010	10	1.064	226.7	18.19
	1020	20	1.451	224.6	12.53
	1030	30	1.171	228.2	20.06
	1040	40	1.173	252.5	30.42
	1050	50	0.955	230.5	30.77
	1100	60	1.234	256.9	31.11
	1110	70	1.171	270.2	28.19
	1120	80	0.875	196.7	36.67
	1130	90	1.108	235.6	21.21
	1140	100	1.115	281	28.36
	1150	110	0.966	265.2	47.79
	1200	120	0.94	250	40.96
	1210	130	1.056	237.6	76.9
	1220	140	0.961	163.5	74
	1230	150	0.844	142	86.2
	1240	160	1.127	199.1	33
	1250	170	1.454	182.9	37.42
	1300	180	1.593	164	27.9
	1310	190	1.784	153.3	26.02
	1320	200	1.348	182.8	29.55
	1330	210	1.436	161.5	31.38
	1340	220	2.131	135.8	34.09
	1350	230	1.595	185	26.43
	1400	240	1.54	190.8	26.77
	1410	250	1.169	201.3	47.13
	1420	260	1.874	132.1	28.46
	1430	270	2.238	115.9	27.63
	1440	280	1.989	104.3	35.63
	1450	290	1.566	131.4	31.84
	1500	300	1.775	133.3	27.01
	1510	310	2.24	184.3	24.77
	1520	320	1.583	213.9	36.11
	1530	330	2.008	245	22.25
	1540	340	2.339	270.3	16.9
	1550	350	1.741	280.2	13.49
	1600	360	1.312	273.1	22.21
	1610	370	1.684	272.4	13.4
	1620	380	1.672	271.4	13.03
	1630	390	1.68	280.3	22.69
	1640	400	1.226	256.2	24.92
	1650	410	1.388	281.5	17.34
	1700	420	1.335	296.1	14.72
	1710	430	1.094	336.2	27.67
	1720	440	1.258	341.8	30.75
	1730	450	1.097	346.9	25.9
	1740	460	1.306	312.7	18.68
	1750	470	1.149	351.4	22.89
	1800	480	1.102	343.5	26.6
	1810	490	1.003	350.1	27.55



Wind Data  
Tennessee-Tombigbee Waterway  
August 11-16, 2005

Date	Time	Time Cum	Wind Speed meter/sec	Wind Direction Degree	Wind Dir Degree Std Dev
	1940	10	1.05	70.3	8.01
	1950	20	1.087	79.4	4.681
	2000	30	0.803	57.33	7.94
	2010	40	0.987	71.9	6.21
	2020	50	0.992	79.9	5.319
	2030	60	0.832	82.2	3.661
	2040	70	0.921	81.7	3.632
	2050	80	0.848	78.8	7.16
	2100	90	0.405	47.12	6.182
	2110	100	0.35	45.05	5.015
	2120	110	0.535	29.58	8.24
	2130	120	0.483	25.76	23.73
	2140	130	1.203	306	64.89
	2150	140	1.173	330.6	25.21
	2200	150	0.759	28.62	52.53
	2210	160	0.801	72.9	31.78
	2220	170	0.635	61.09	36.4
	2230	180	0.679	20.31	19.85
	2240	190	0.759	58.04	42.89
	2250	200	0.712	77	33.84
	2300	210	0.837	39.39	14.7
	2310	220	0.723	112.7	31.95
	2320	230	0.787	64.09	14.9
	2330	240	0.922	76.2	8.79
	2340	250	0.919	80.9	6.968
	2350	260	1.172	76.1	4.958
8/16/2005	0	270	0.786	63.54	14.16
	10	280	0.682	77.3	11.45
	20	290	0.805	72.6	10.83
	30	300	0.734	20.72	17.57
	40	310	0.407	16.58	27.68
	50	320	1.079	80.5	12.72
	100	330	2.188	94.9	15.26
	110	340	2.655	109.6	13.32
	120	350	2	113.1	17.17
	130	360	1.623	135.8	19.78
	140	370	1.531	127.5	23.01
	150	380	1.537	140.3	15.34
	200	390	1.521	145	17.21
	210	400	1.118	153.9	21.63
	220	410	1.072	155.2	25.87
	230	420	1.185	158.8	26.15
	240	430	1.155	140.4	17.6
	250	440	1.188	167.8	19.59
	300	450	0.885	156.4	29.09
	310	460	1.027	175.8	34.16
	320	470	1.669	204.8	17.59
	330	480	1.585	191.7	19.81
	340	490	1.793	197.5	23.95

Wind Data  
Tennessee-Tombigbee Waterway  
August 11-16, 2005

Date	Time	Time Cum	Wind Speed meter/sec	Wind Direction Degree	Wind Dir Degree Std Dev
	510	10	1.382	132.9	8.54
	520	20	1.372	109.1	12.19
	530	30	1.295	104.8	17.97
	540	40	1.059	123.5	23.56
	550	50	1.028	132.9	16.05
	600	60	1.303	140.6	11.05
	610	70	1.076	146.9	17.15
	620	80	0.9	116.5	35.01
	630	90	1.064	133.1	20.77
	640	100	1.132	153.8	31.12
	650	110	1.085	159.4	14.47
	700	120	1.023	150.5	22.84
	710	130	0.92	158.8	30.71
	720	140	1.059	167.2	19.76
	730	150	1.447	155.2	16.24
	740	160	1.37	149.6	20.03
	750	170	0.862	157	38.31
	800	180	1.368	167.2	21.42
	810	190	1.56	161.4	18.57
	820	200	1.765	176.9	15.46
	830	210	1.68	192.5	15.68
	840	220	1.617	210.9	25.12
	850	230	1.551	217.2	21.72
	900	240	1.573	216.1	20.59
	910	250	1.567	220.2	14.26
	920	260	1.374	219.2	21.9
	930	270	1.485	206.6	19.52
	940	280	1.108	224.1	30.3
	950	290	1.234	193.4	24.69
	1000	300	1.196	202	25.58
	1010	310	0.855	187.6	36.59
	1020	320	1.06	195.2	35.55
	1030	330	0.656	348.2	82
	1040	340	0.778	214.6	39.95
	1050	350	0.773	249.8	51.41
	1100	360	1.159	272.6	31.23
	1110	370	1.31	296.8	29.78
	1120	380	1.437	289.7	25.5
	1130	390	1.193	275.8	46.67
	1140	400	1.133	321.7	29.54
	1150	410	1.005	257.8	46.66
	1200	420	0.962	211.1	25.59
	1210	430	1.154	213.8	15.75
	1220	440	1.073	246.7	41.58
	1230	450	1.077	256.1	40.34
	1240	460	1.281	293.9	27.67
	1250	470	1.129	316.8	30.71
	1300	480	1.23	250.1	28.86
	1310	490	1.118	238.3	33.78

Wind Data  
Tennessee-Tombigbee Waterway  
August 11-16, 2005

Date	Time	Time Cum	Wind Speed meter/sec	Wind Direction Degree	Wind Dir Degree Std Dev
	1440	10	1.243	147.2	31.37
	1450	20	1.415	187.5	39.06

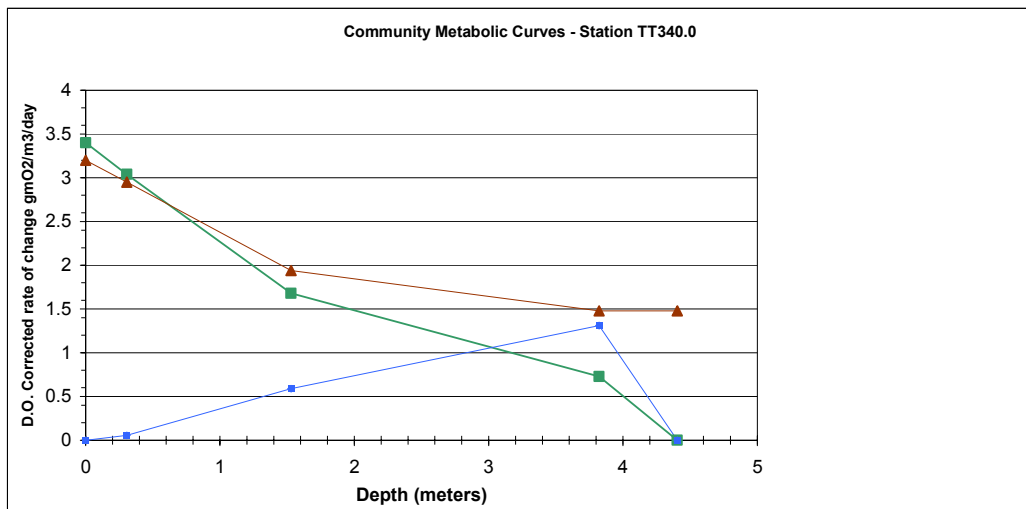
**Appendix F**  
**Community Oxygen Metabolism Calculations**

Community Metabolic Analysis for Station TT340.0  
Tennessee-Tombigbee Waterway  
Columbus, Mississippi  
August 15-16, 2005

Station	Depth (feet)	Avg D.O. (mg/l)	Avg Temp (° C)	GPP (gmO2/m3/day)	Respiration (gmO2/m3/day)	Tug (gmO2/m3/day)	Depth (meters)
TT340.0	0			3.4	3.2	0	0
	1	8.46	31.7	3.04	2.95	0.056	0.31
	5	7.58	30.9	1.68	1.94	0.59	1.53
	12.5	6.40	30.5	0.73	1.48	1.31	3.82
	14.4			0	1.48	0	4.40
	avg	7.48	31.0				

Segment	Area under the curve		
	GPP gO2/m2/day	R gO2/m2/day	Tug gO2/m2/day
0 m to 0.30	0.98	0.94	0.01
0.30 m to 1.53 m	2.89	2.99	0.40
1.53 m to 3.82 m	2.76	3.92	2.18
3.82 to 4.40	0.21	0.86	0.38
	<b>6.85</b>	<b>8.71</b>	<b>2.96</b>

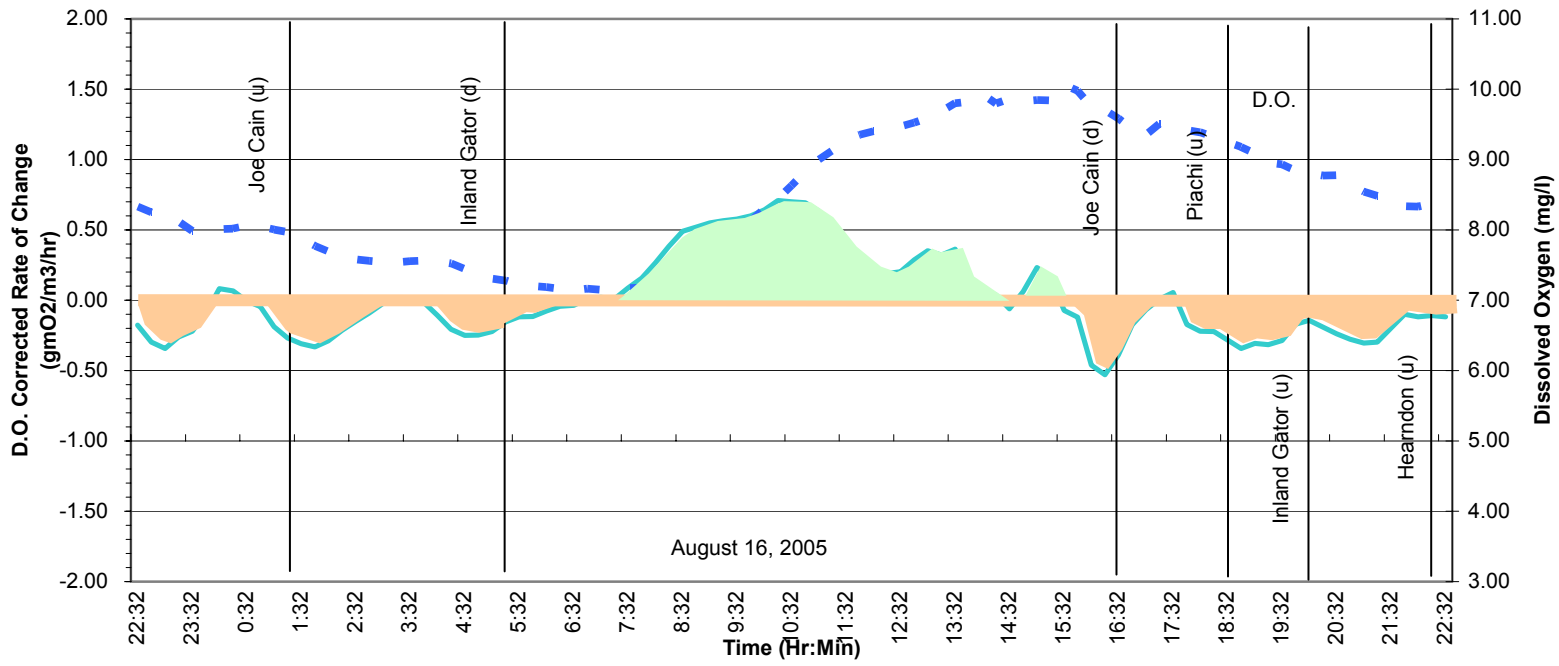
GPP & R estimated from curve for the top 0.30 meters and bottom 0.6 meters



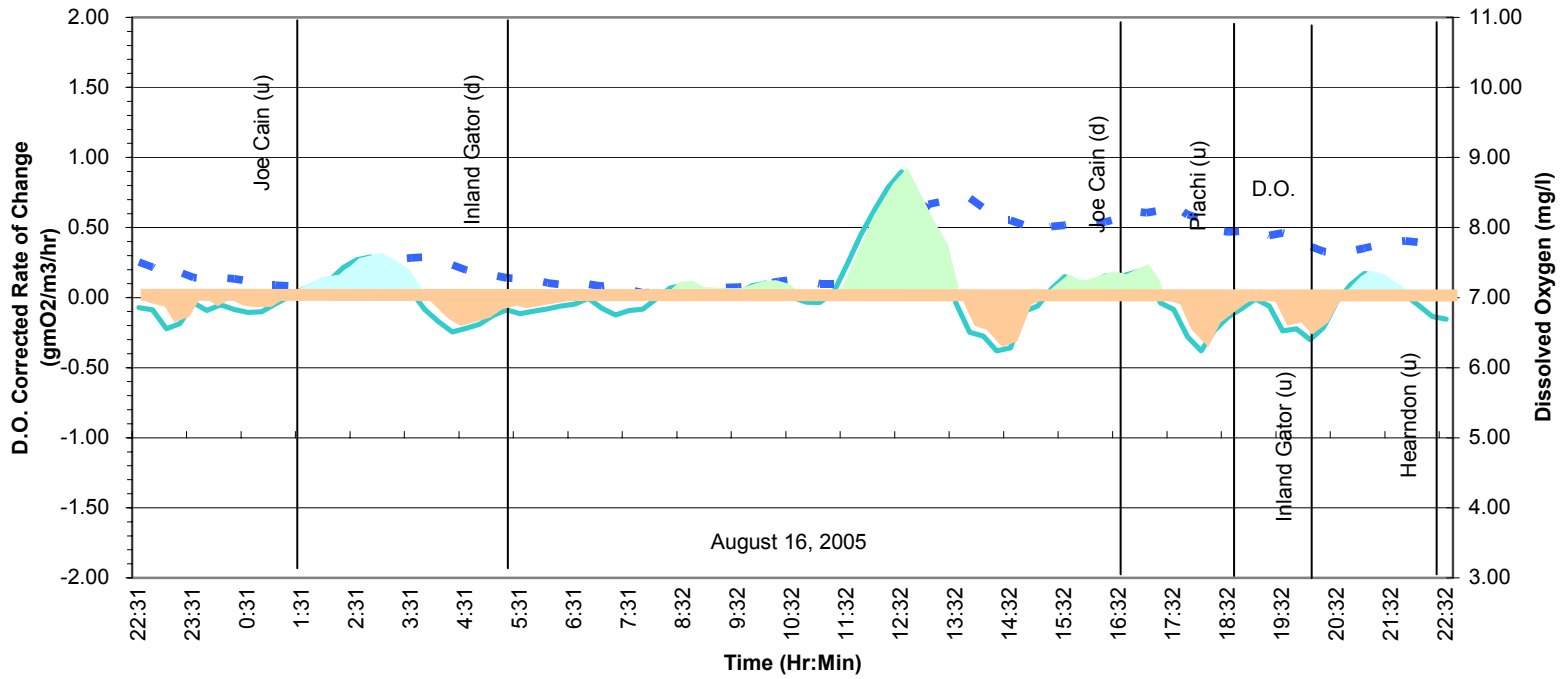
corrected for depth		
GPP gO2/m3/day (mg/l/day)	R gO2/m3/day (mg/l/day)	Tug gO2/m3/day (mg/l/day)
1.55	1.98	0.67

D.O. @ saturation	7.43
Community GPP	1.55
Community R	-1.98
Atmospheric Ka	-0.22
Tug Aeration	0.67
D.O. @ balance	<b>7.46</b>
D.O. avg in H2O	7.48
Community GPP:R	0.79

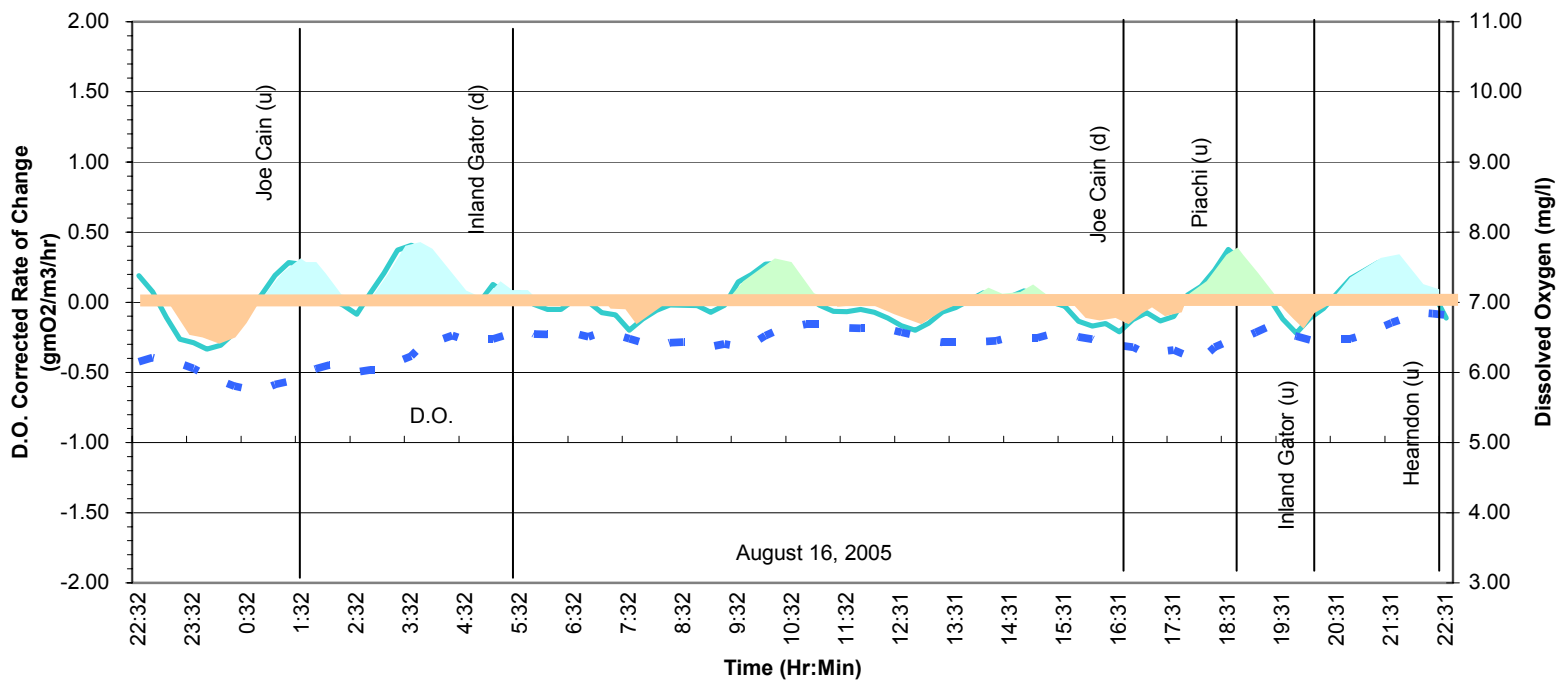
### Community Metabolic Curve - TT340.0 @ 1 ft



### Community Metabolic Curve - TT340.0 @ 5 ft



### Community Metabolic Curve - TT340.0 @ 12 ft



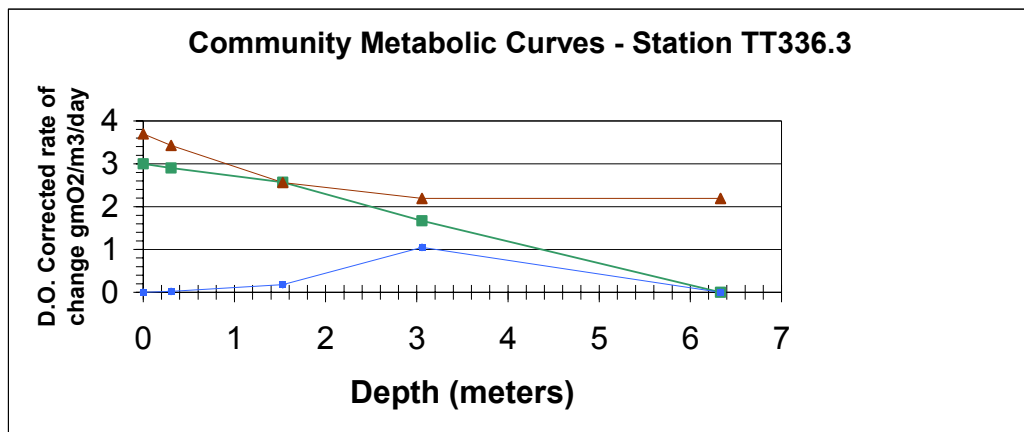


Community Metabolic Analysis for Station TT336.3  
Tennessee-Tombigbee Waterway  
Columbus, Mississippi  
August 11-12, 2005

Station	Depth (feet)	Avg D.O. (mg/l)	Avg Temp (° C)	GPP (gmO2/m3/day)	Respiration (gmO2/m3/day)	Tug (gmO2/m3/day)	Depth (meters)
TT336.3	0			3	3.7	0	0
	1	7.98	31.7	2.9	3.43	0.02	0.31
	5	7.04	30.8	2.57	2.56	0.18	1.53
	10	6.04	30.5	1.67	2.19	1.05	3.06
	20.7			0	2.19	0	6.33
	avg	7.02	31.0				

Segment	Area under the curve		
	GPP gO2/m2/day	R gO2/m2/day	Tug gO2/m2/day
0 m to 0.30	0.90	1.09	0.00
0.30 m to 1.53 m	3.35	3.66	0.12
1.53 m to 3.06 m	3.24	3.63	0.94
3.06 to 6.33	2.73	7.17	1.72
	<b>10.22</b>	<b>15.55</b>	<b>2.78</b>

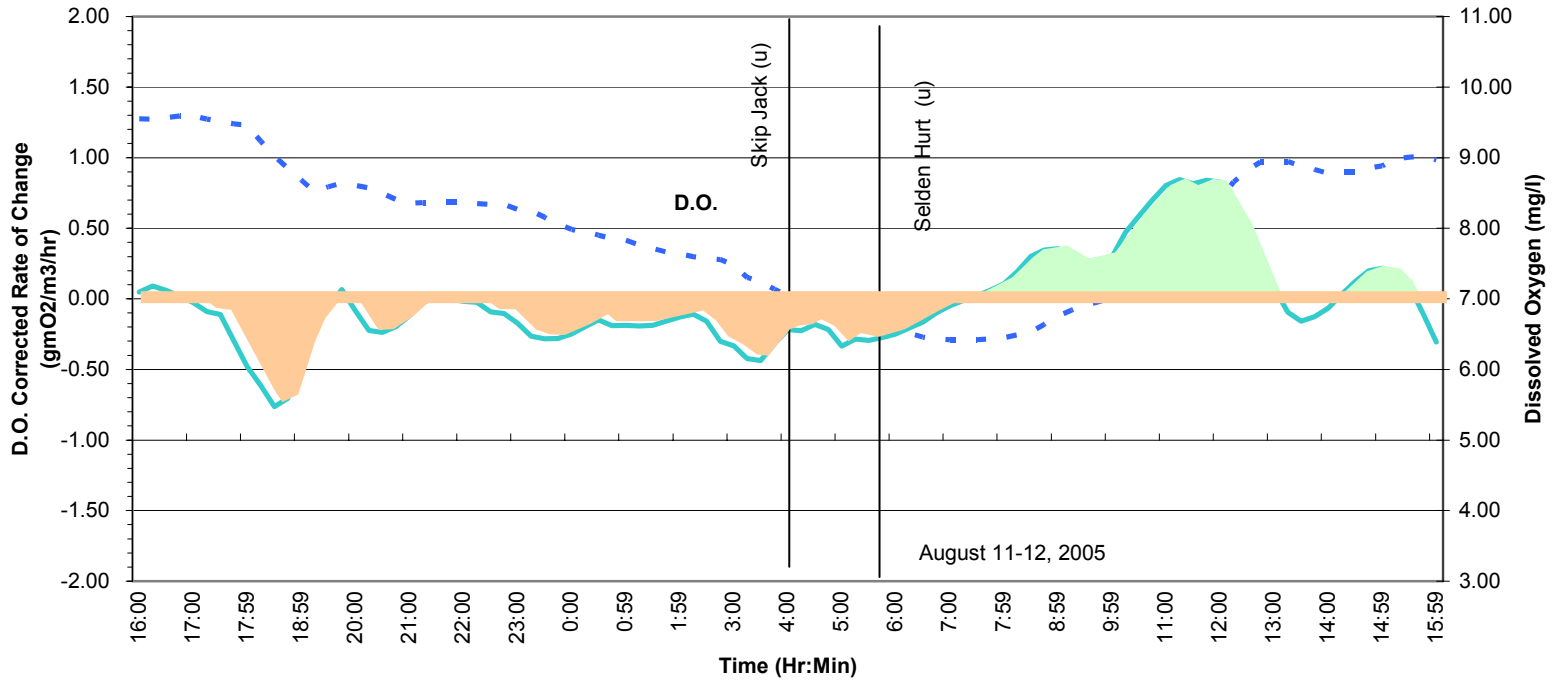
GPP & R estimated from curve for the top 0.30 meters and bottom 3.3 meters



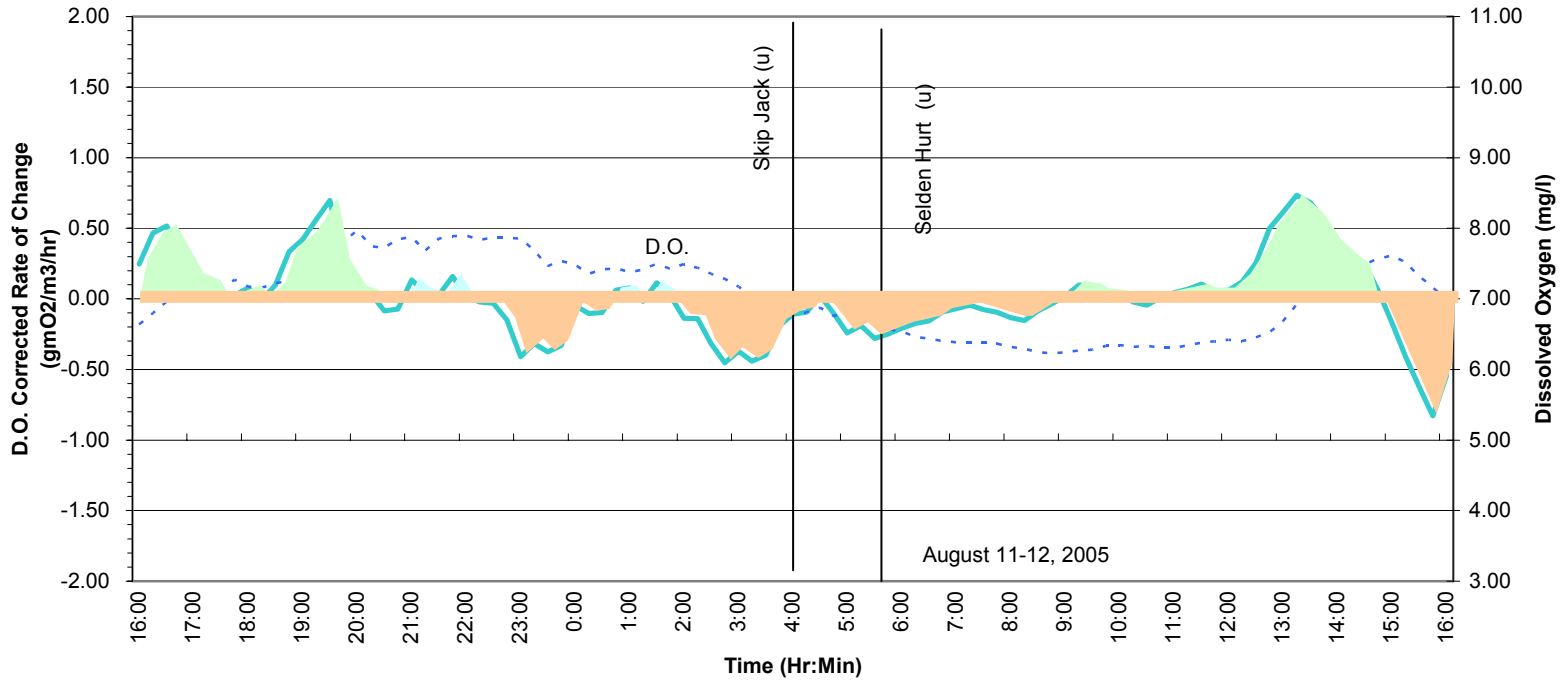
corrected for depth		
GPP gO2/m3/day (mg/l/day)	R gO2/m3/day (mg/l/day)	Tug gO2/m3/day (mg/l/day)
1.61	2.46	0.44

D.O. @ saturation	7.43
Community GPP	1.61
Community R	-2.46
Atmospheric Ka	-0.12
Barge Aeration	0.44
D.O. @ balance	<b>6.91</b>
D.O. avg in H2O	7.02
Community GPP:R	0.66

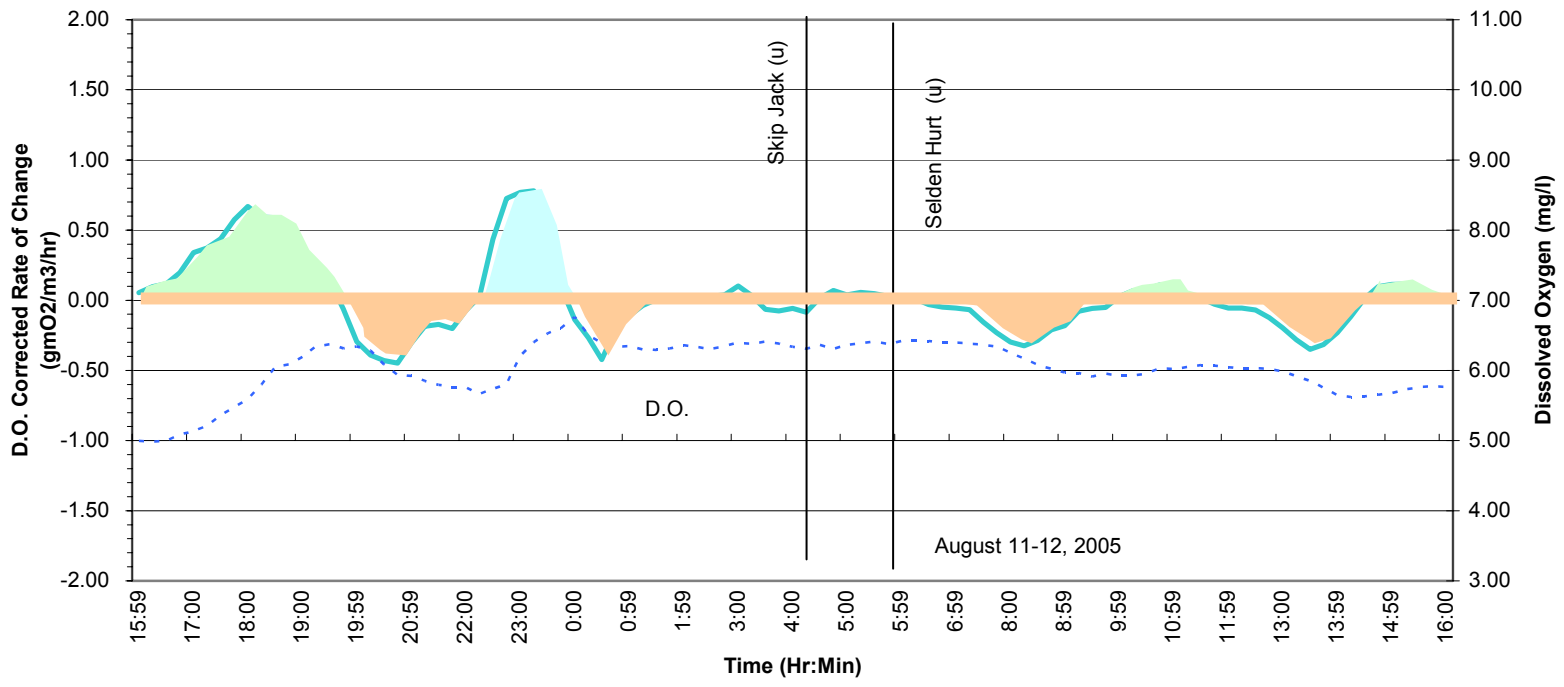
### Community Metabolic Curve - TT336.3 @ 1 ft



### Community Metabolic Curve - TT336.3 @ 5 ft



### Community Metabolic Curve - TT336.3 @ 10 ft

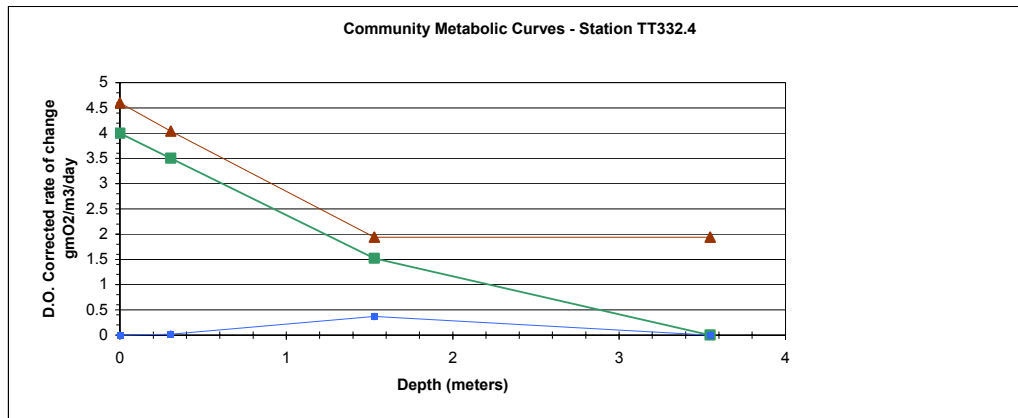


Community Metabolic Analysis for Station TT332.4  
Tennessee-Tombigbee Waterway  
Columbus, Mississippi  
August 13-14, 2005

Station	Depth (feet)	Avg D.O. (mg/l)	Avg Temp (° C)	GPP (gmO2/m3/day)	Respiration (gmO2/m3/day)	Tug (gmO2/m3/day)	Depth (meters)
TT332.4	0			4	4.6	0	0
	1	7.24	30.9	3.5	4.04	0.02	0.31
	5	6.66	30.4	1.52	1.94	0.37	1.53
	11.6			0	1.94	0	3.55
avg		6.95	30.7				

Segment	Area under the curve			
	GPP gO2/m2/day	R gO2/m2/day	Tug gO2/m2/day	
0 m to 0.30	1.15	1.32	0.00	
0.30 m to 1.53 m	3.07	3.66	0.24	
1.53 m to 3.55 m	1.53	3.92	0.37	
avg		5.75	8.89	0.61

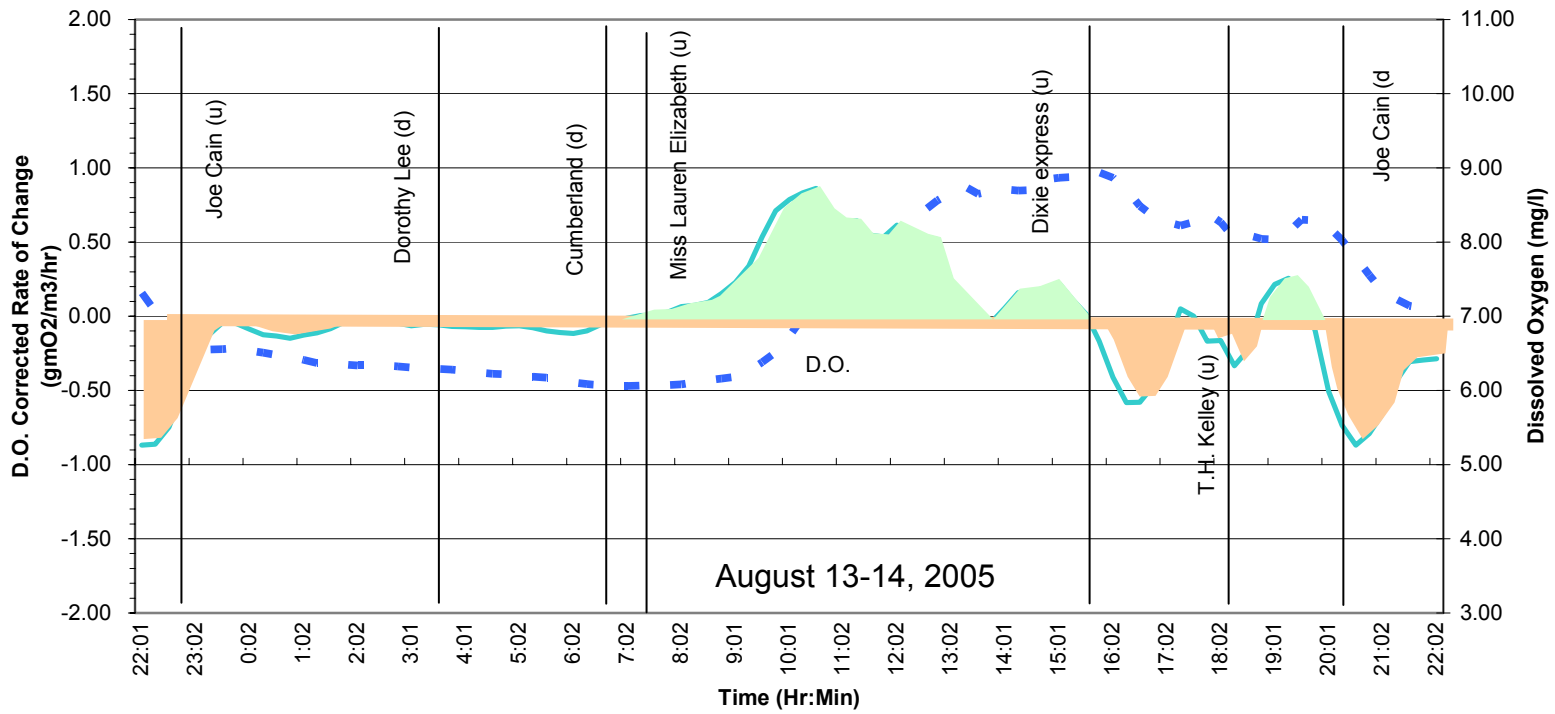
GPP & R estimated from curve for the top 0.30 meters



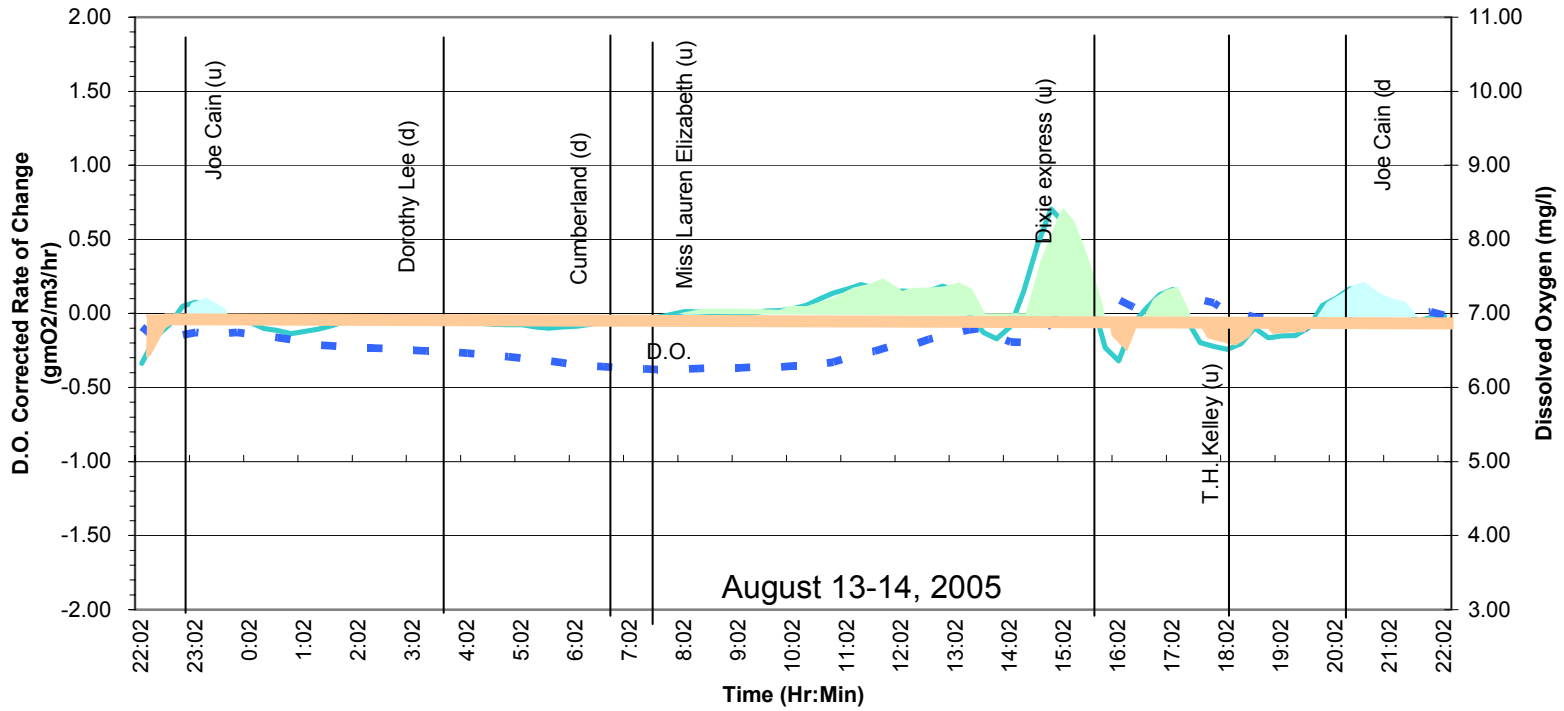
corrected for depth		
GPP gO2/m3/day (mg/l/day)	R gO2/m3/day (mg/l/day)	Tug gO2/m3/day (mg/l/day)
1.62	2.51	0.17

D.O. @ saturation	7.47
Community GPP	1.62
Community R	-2.51
Atmospheric Ka	0.04
Barge Aeration	0.17
D.O. @ balance	6.80
D.O. avg in H2O	6.95
Community GPP:R	0.65

### Community Metabolic Curve - TT332.4 @ 1 ft



### Community Metabolic Curve - TT332.4 @ 5 ft



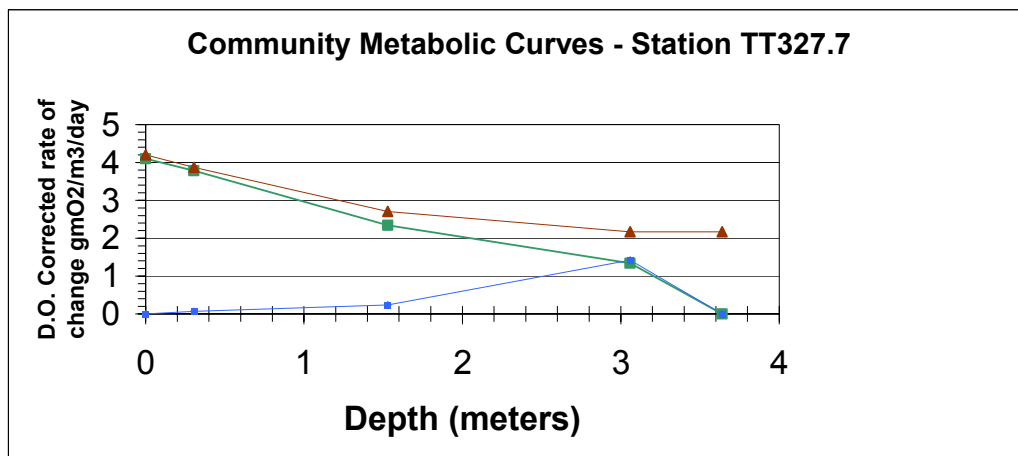
Community Metabolic Analysis for Station TT327.7  
Tennessee-Tombigbee Waterway  
Columbus, Mississippi  
August 13-14, 2005

Station	Depth (feet)	Avg D.O. (mg/l)	Avg Temp (° C)	GPP (gmO2/m3/day)	Respiration (gmO2/m3/day)	Tug (gmO2/m3/day)	Depth (meters)
TT327.7	0			4.1	4.2	0	0
	1	6.41	31.3	3.78	3.87	0.07	0.31
	5	7.47	30	2.34	2.71	0.24	1.53
	10	7.07	29.81	1.34	2.17	1.42	3.06
	11.9			0	2.17	0	3.64
	avg	6.98	30.4				

Segment	Area under the curve		
	GPP gO2/m2/day	R gO2/m2/day	Tug gO2/m2/day
0 m to 0.30	1.20	1.23	0.01
0.30 m to 1.53 m	3.74	4.02	0.19
1.53 m to 3.06 m	2.81	3.73	1.27
3.06 to 3.64	0.39	1.26	0.41
	<b>8.15</b>	<b>10.25</b>	<b>1.88</b>

GPP & R estimated from curve for the top 0.30 meters and bottom 0.6 meters

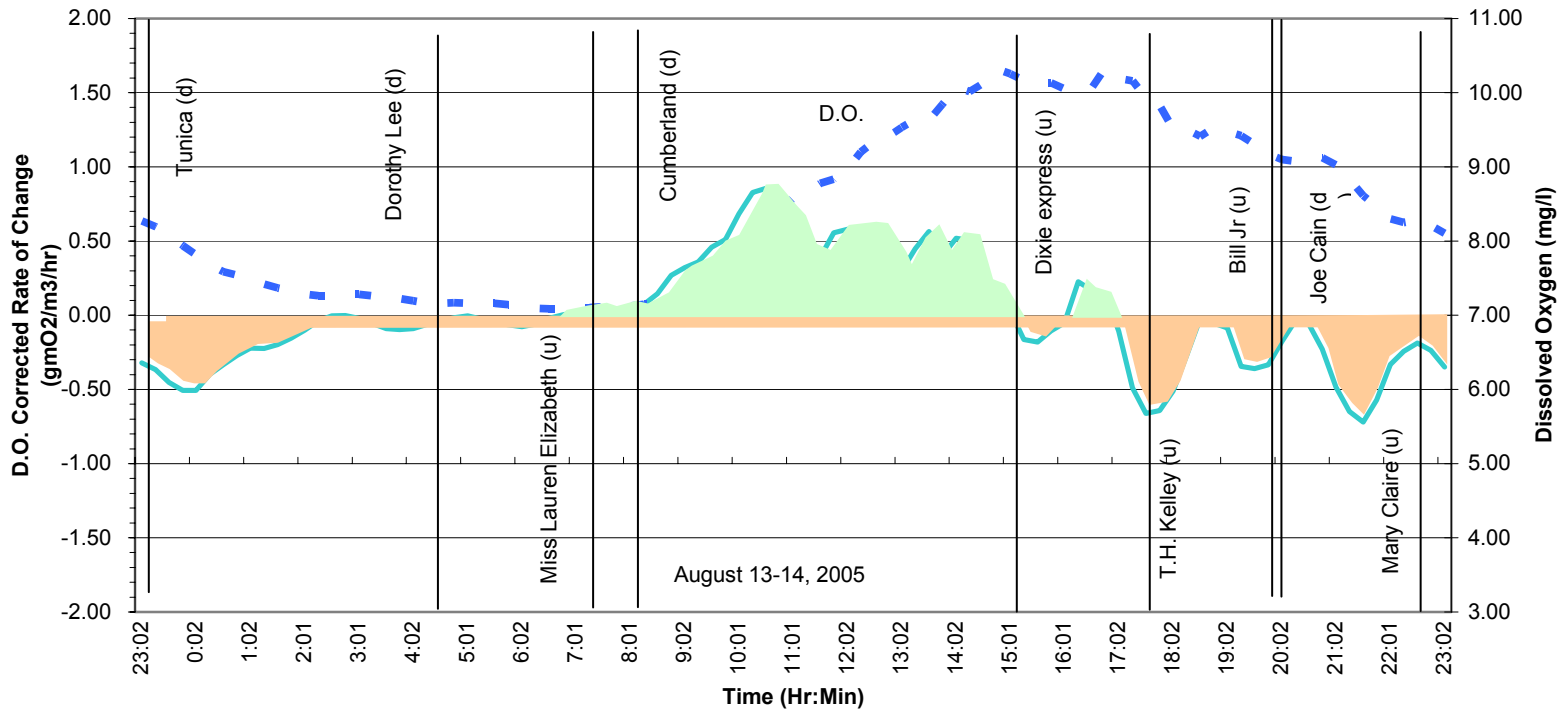
corrected for depth		
GPP gO2/m3/day (mg/l/day)	R gO2/m3/day (mg/l/day)	Tug gO2/m3/day (mg/l/day)
2.24	2.82	0.52



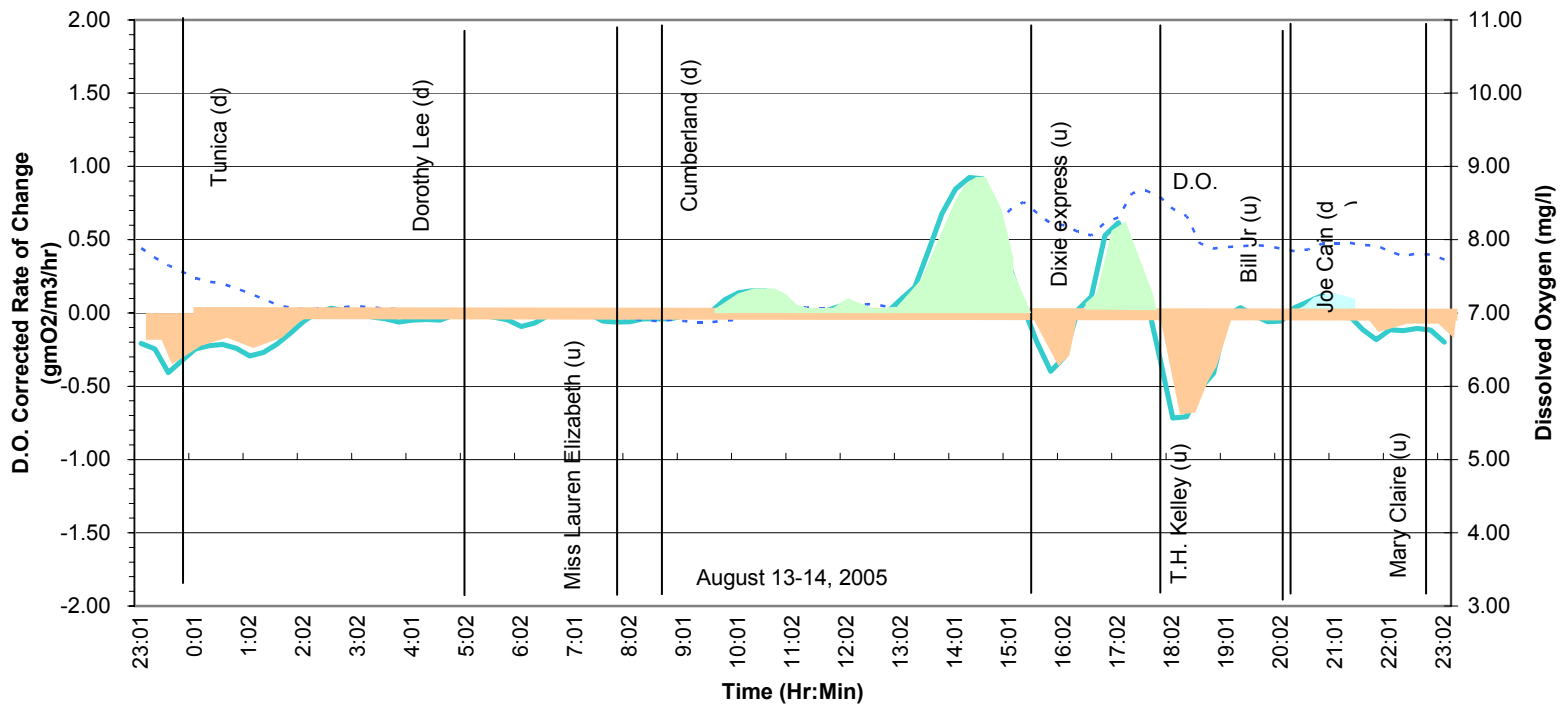
D.O. @ saturation	7.51
Community GPP	2.24
Community R	-2.82
Atmospheric Ka	-0.18
Barge Aeration	0.52
D.O. @ balance	<b>7.27</b>
D.O. avg in H2O	6.98
Community GPP:R	0.80



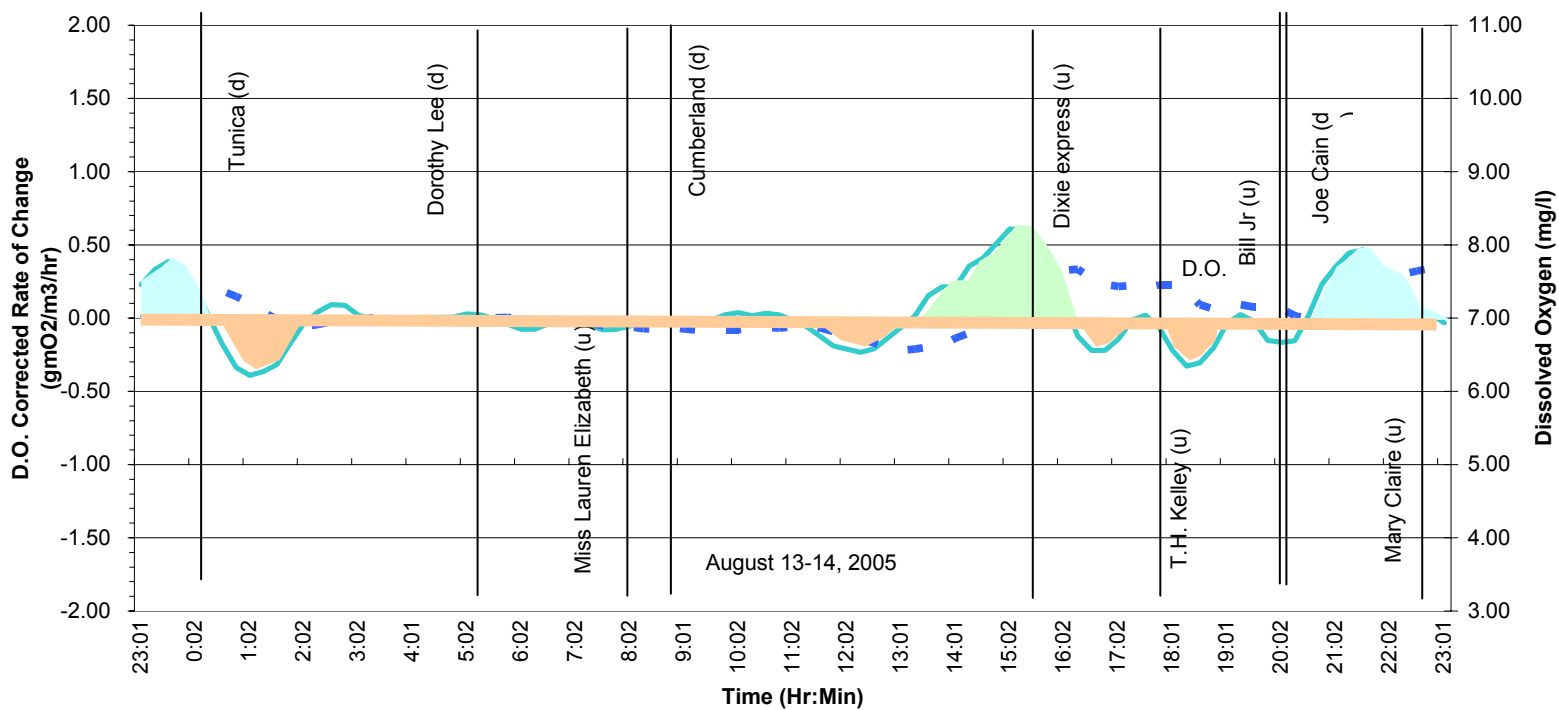
### Community Metabolic Curve - TT327.7 @ 1 ft



Community Metabolic Curve - TT327.7 @ 5 ft



### Community Metabolic Curve - TT327.7 @ 10 ft



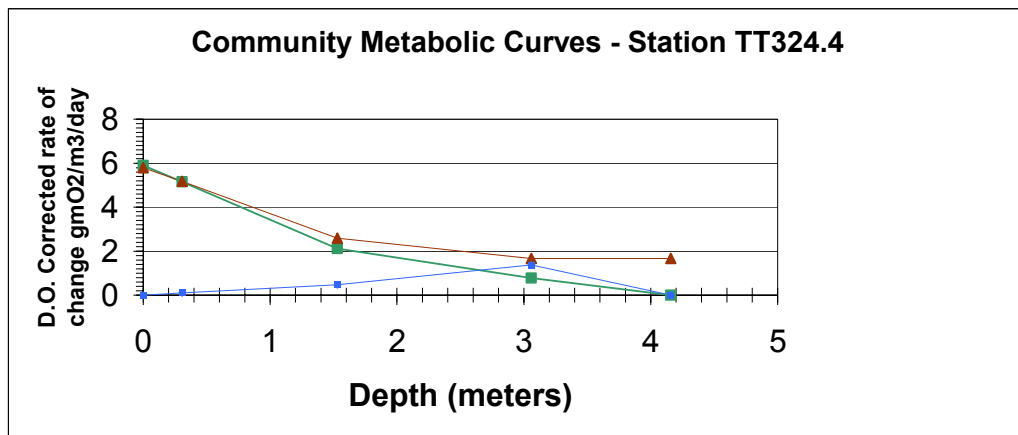
Community Metabolic Analysis for Station TT324.4  
Tennessee-Tombigbee Waterway  
Columbus, Mississippi  
August 13-14 2005

Station	Depth (feet)	Avg D.O. (mg/l)	Avg Temp (° C)	GPP (gmO2/m3/day)	Respiration (gmO2/m3/day)	Tug (gmO2/m3/day)	Depth (meters)
TT324.4	0			5.9	5.8	0	0
	1	8.48	30.7	5.15	5.18	0.1	0.31
	5	7.21	30.1	2.12	2.59	0.47	1.53
	10	6.87	29.9	0.78	1.67	1.38	3.06
	13.6			0	1.67	0	4.16
	avg	7.52	30.2				

Segment	Area under the curve		
	GPP gO2/m2/day	R gO2/m2/day	Tug gO2/m2/day
0 m to 0.30	1.69	1.68	0.02
0.30 m to 1.53 m	4.45	4.75	0.35
1.53 m to 3.06 m	2.22	3.26	1.41
3.06 to 4.31	0.43	1.84	0.76
	<b>8.78</b>	<b>11.53</b>	<b>2.54</b>

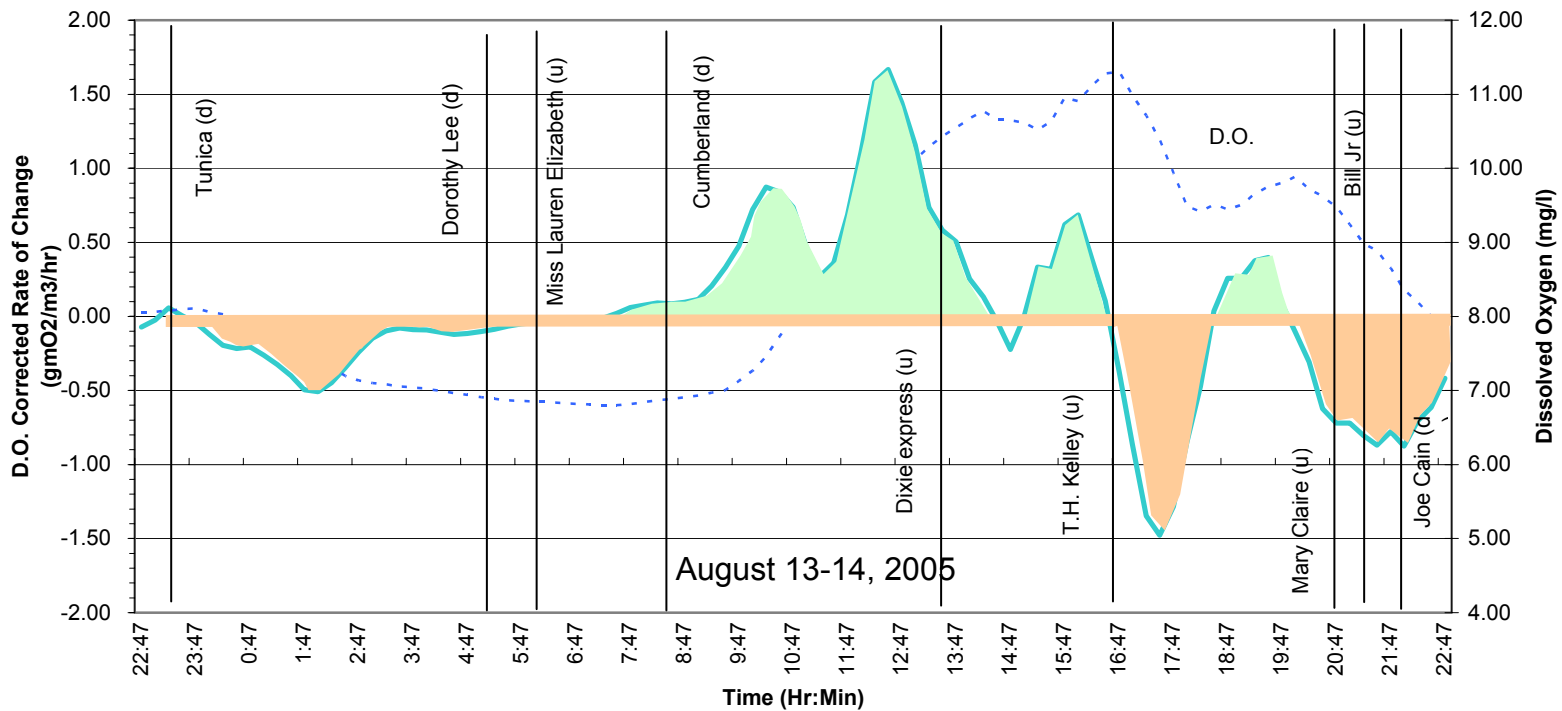
GPP & R estimated from curve for the top 0.30 meters and bottom 1.3 meters

corrected for depth		
GPP gO2/m3/day (mg/l/day)	R gO2/m3/day (mg/l/day)	Tug gO2/m3/day (mg/l/day)
2.11	2.77	0.61

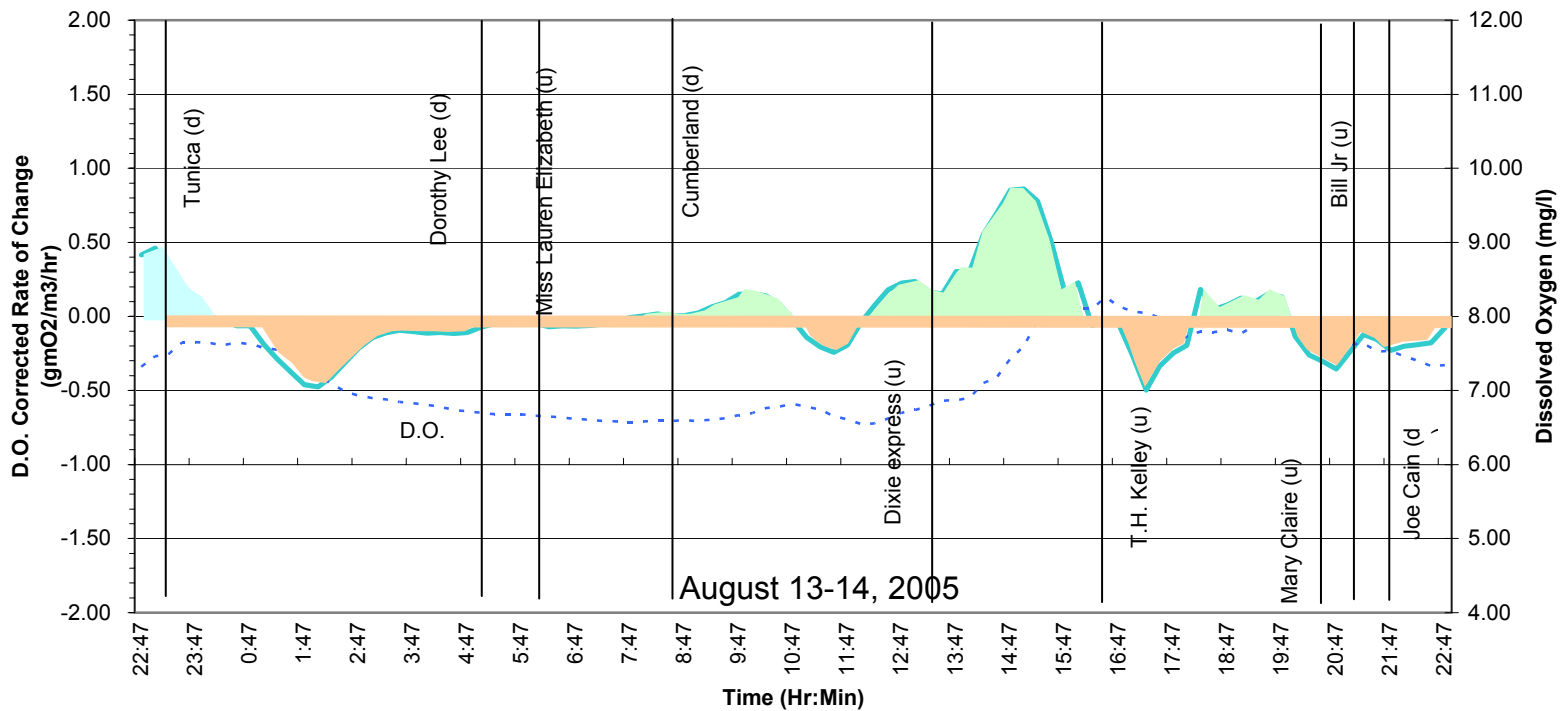


D.O. @ saturation	7.53
Community GPP	2.11
Community R	-2.77
Atmospheric Ka	-0.20
Barge Aeration	0.61
D.O. @ balance	<b>7.28</b>
D.O. avg in H2O	7.52
Community GPP:R	0.76

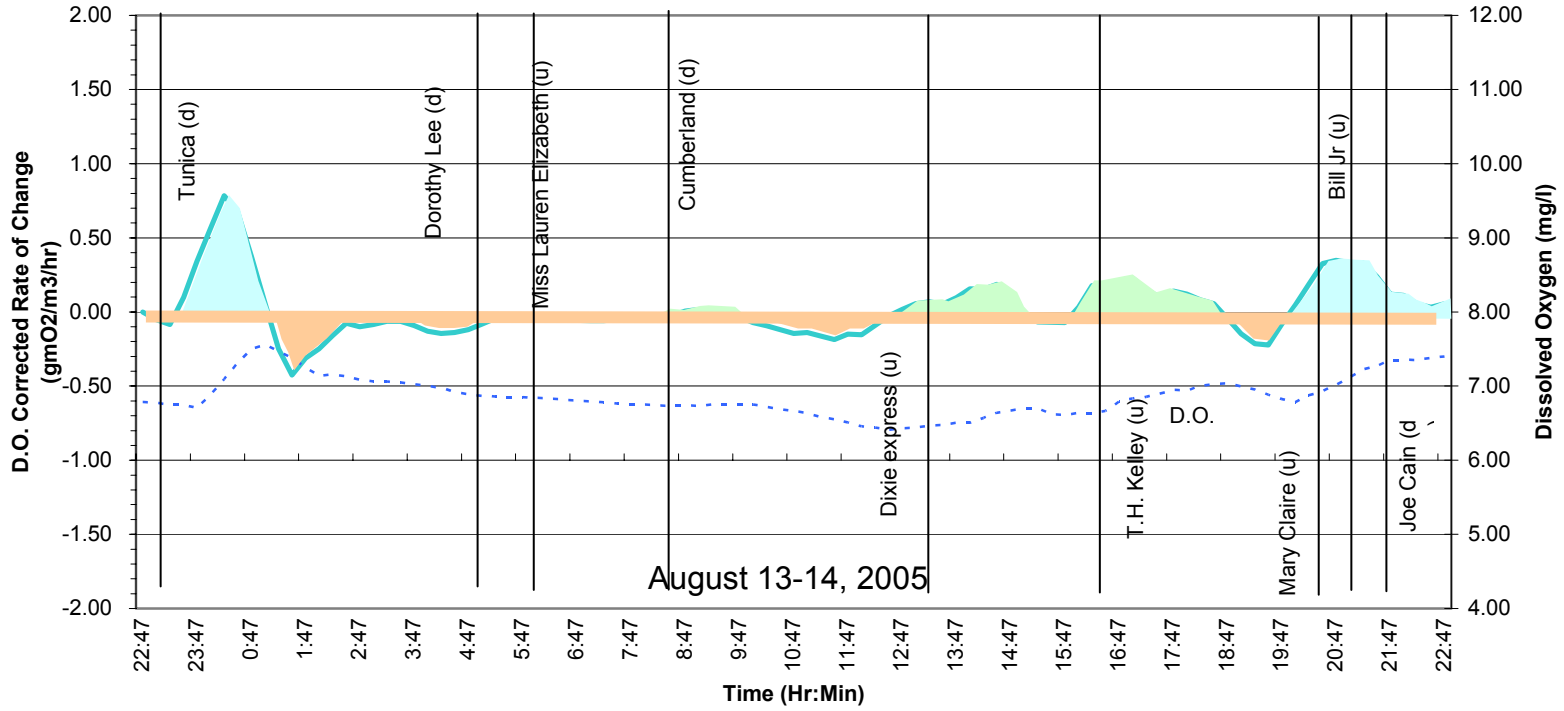
Community Metabolic Curve - TT324.4 @ 1 ft



### Community Metabolic Curve - TT324.4 @ 5 ft



Community Metabolic Curve - TT324.4 @ 10 ft



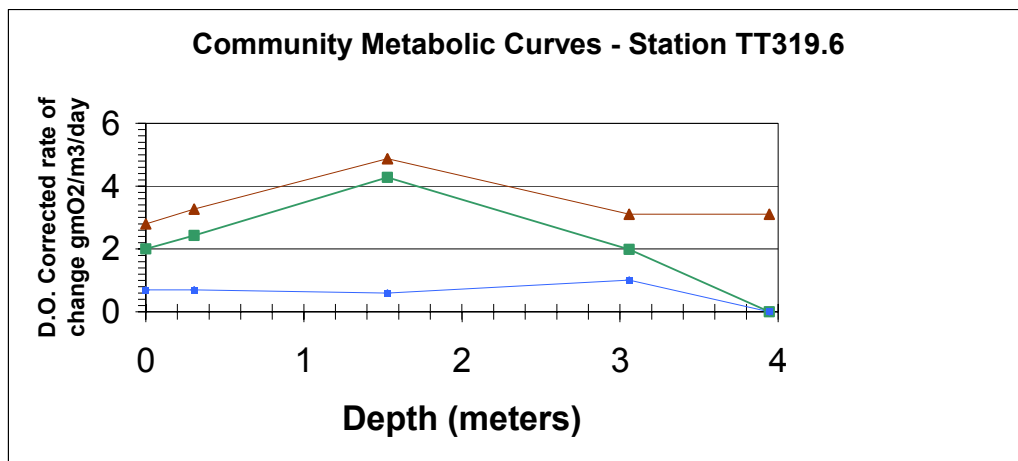
Community Metabolic Analysis for Station TT319.6  
Tennessee-Tombigbee Waterway  
Columbus, Mississippi  
August 13-14, 2005

Station	Depth (feet)	Avg D.O. (mg/l)	Avg Temp (° C)	GPP (gmO2/m3/day)	Respiration (gmO2/m3/day)	Tug (gmO2/m3/day)	Depth (meters)
TT319.6	0			2	2.8	0.7	0
	1	6.98	30.50	2.43	3.27	0.7	0.31
	5	7.96	31.00	4.28	4.87	0.6	1.53
	10	6.34	30.20	1.99	3.11	1.01	3.06
	12.9			0	3.11	0	3.94
	avg	7.09	30.57				

Segment	Area under the curve		
	GPP (gO2/m2/day)	R (gO2/m2/day)	Tug (gO2/m2/day)
0 m to 0.30	0.68	0.93	0.21
0.30 m to 1.53 m	4.10	4.98	0.80
1.53 m to 3.06 m	4.79	6.10	1.23
3.06 to 3.94	0.88	2.76	0.45
	<b>10.46</b>	<b>14.77</b>	<b>2.69</b>

GPP & R estimated from curve for the top 0.30 meters and bottom 0.9 meters

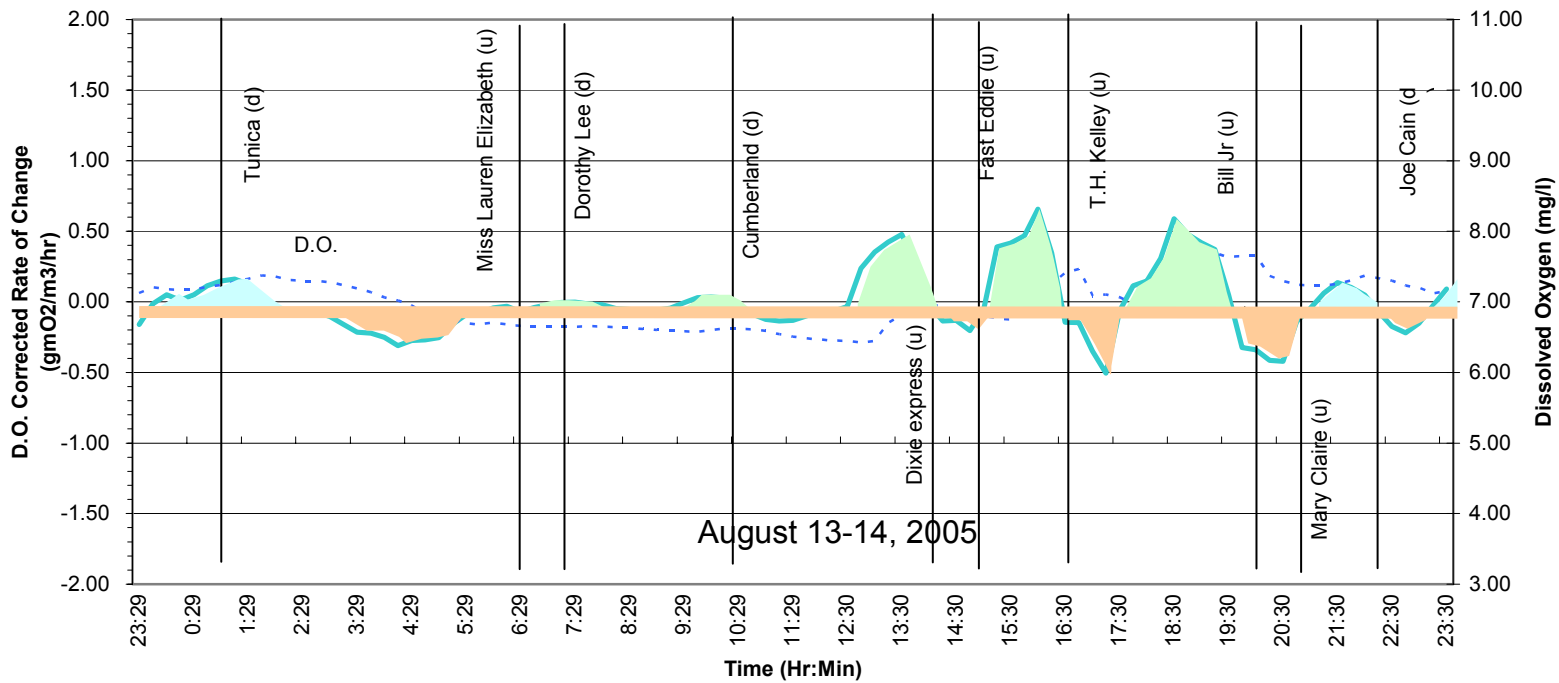
corrected for depth		
GPP (gO2/m3/day)	R (gO2/m3/day)	Tug (gO2/m3/day)
2.65	3.74	0.68



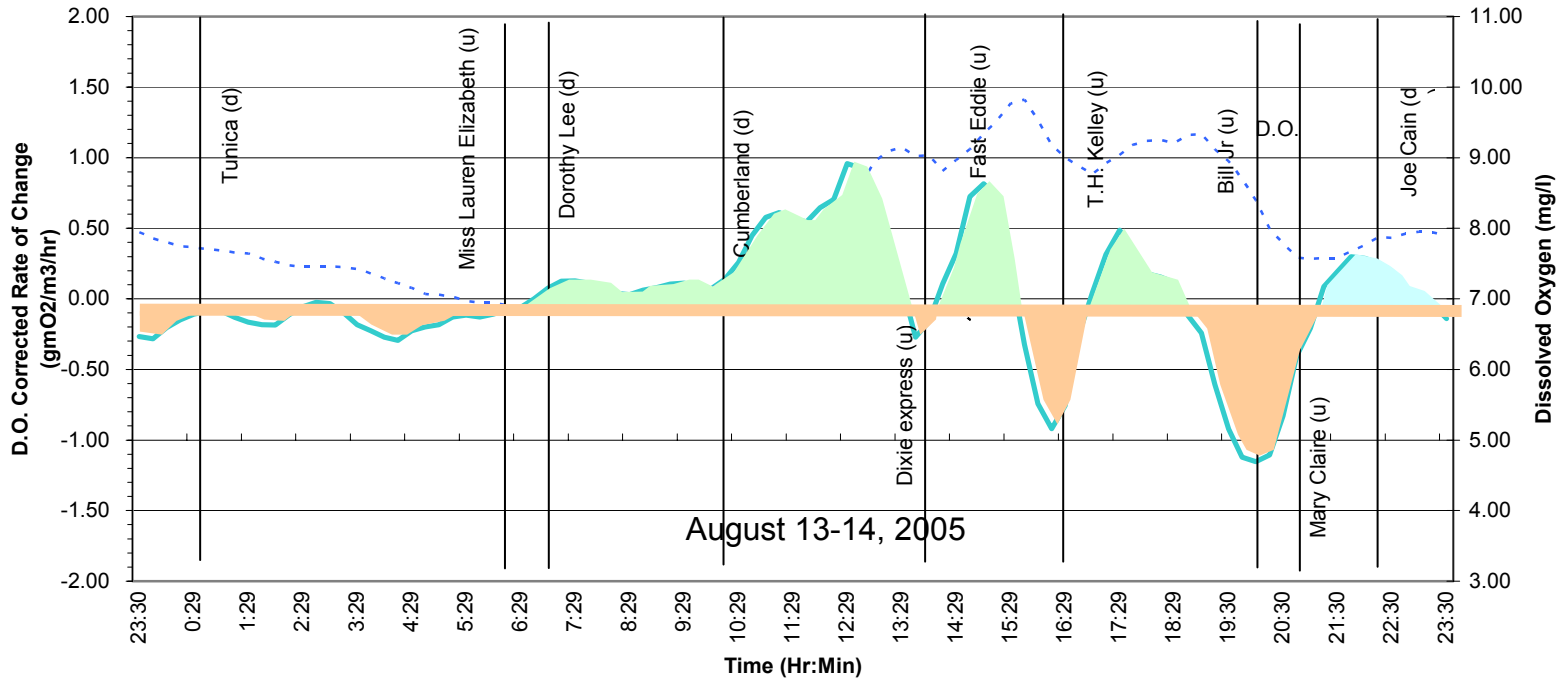
D.O. @ saturation	7.48
Community GPP	2.65
Community R	-3.74
Atmospheric Ka	0.10
Barge aeration	0.68
D.O. @ balance	<b>7.17</b>
D.O. avg in H2O	7.09
Community GPP:R	0.71



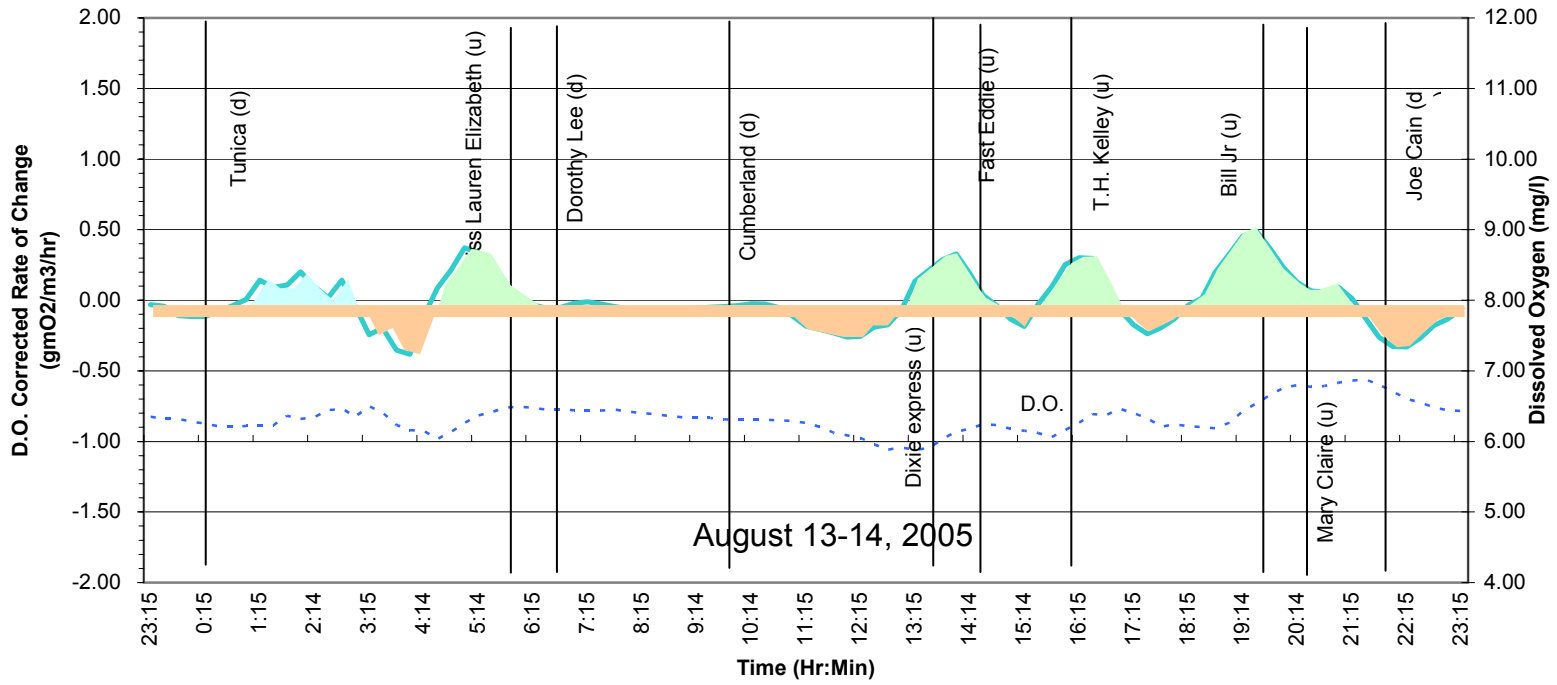
Community Metabolic Curve - TT319.6 @ 1 ft



Community Metabolic Curve - TT319.6 @ 5 ft



Community Metabolic Curve - TT319.6 @ 10 ft



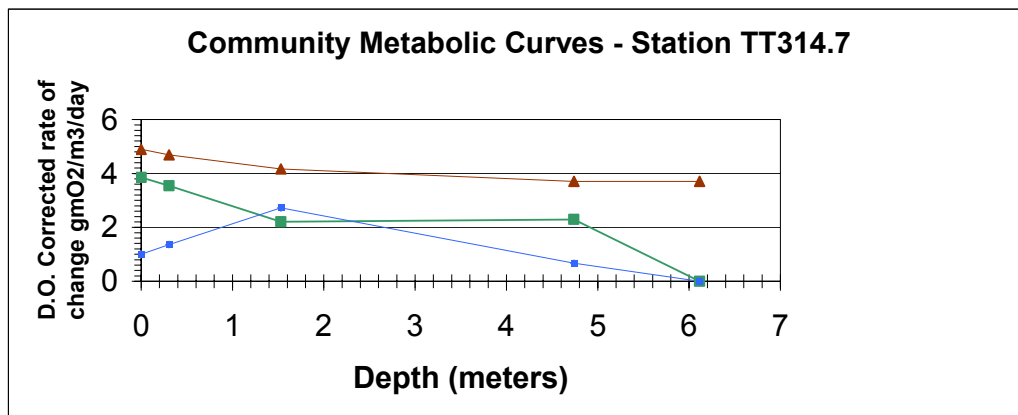
Community Metabolic Analysis for Station TT314.7  
Tennessee-Tombigbee Waterway  
Columbus, Mississippi  
August 16-17, 2005

Station	Depth (feet)	Avg D.O. (mg/l)	Avg Temp (° C)	GPP (gmO2/m3/day)	Respiration (gmO2/m3/day)	Tug (gmO2/m3/day)	Depth (meters)
TT314.7	0			3.85	4.9	1	0
	1	8.40	32.1	3.54	4.69	1.36	0.31
	5	7.01	31.3	2.21	4.17	2.72	1.53
	15.5	4.91	30.7	2.29	3.71	0.67	4.74
	20			0	3.71	0	6.12
	avg	6.77	31.4				

Segment	Area under the curve		
	GPP gO2/m2/day	R gO2/m2/day	Tug gO2/m2/day
0 m to 0.30	1.13	1.47	0.36
0.30 m to 1.53 m	3.52	5.42	2.50
1.53 m to 4.74 m	7.22	12.65	5.44
4.74 to 6.12	1.58	5.11	0.46
	<b>13.45</b>	<b>24.64</b>	<b>8.76</b>

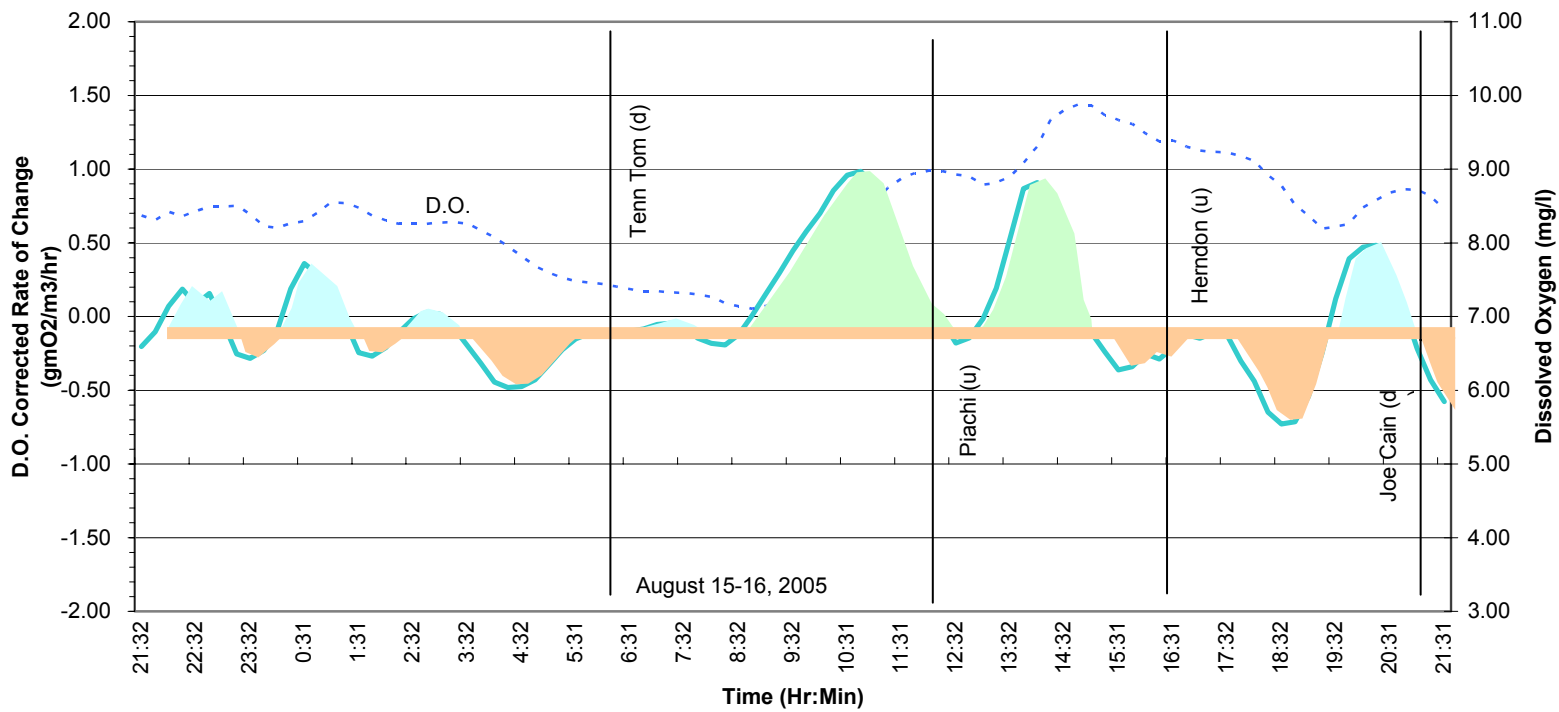
GPP & R estimated from curve for the top 0.30 meters and bottom 1.4 meters

corrected for depth		
GPP gO2/m3/day (mg/l/day)	R gO2/m3/day (mg/l/day)	Tug gO2/m3/day (mg/l/day)
2.20	4.03	1.43

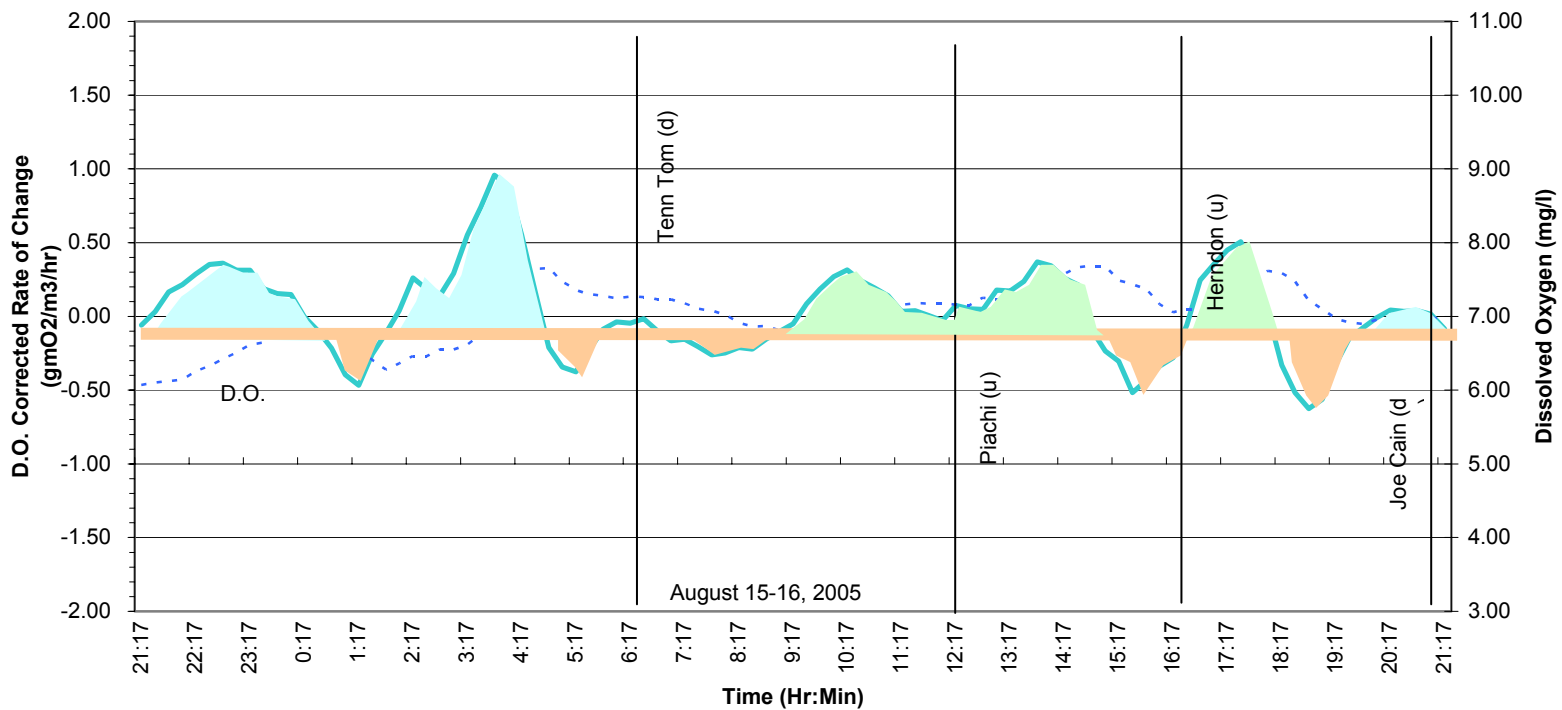


D.O. @ saturation	7.38
Community GPP	2.20
Community R	-4.03
Atmospheric Ka	-0.21
Barge aeration	1.43
D.O. @ balance	<b>6.77</b>
D.O. avg in H2O	6.77
Community GPP:R	0.55

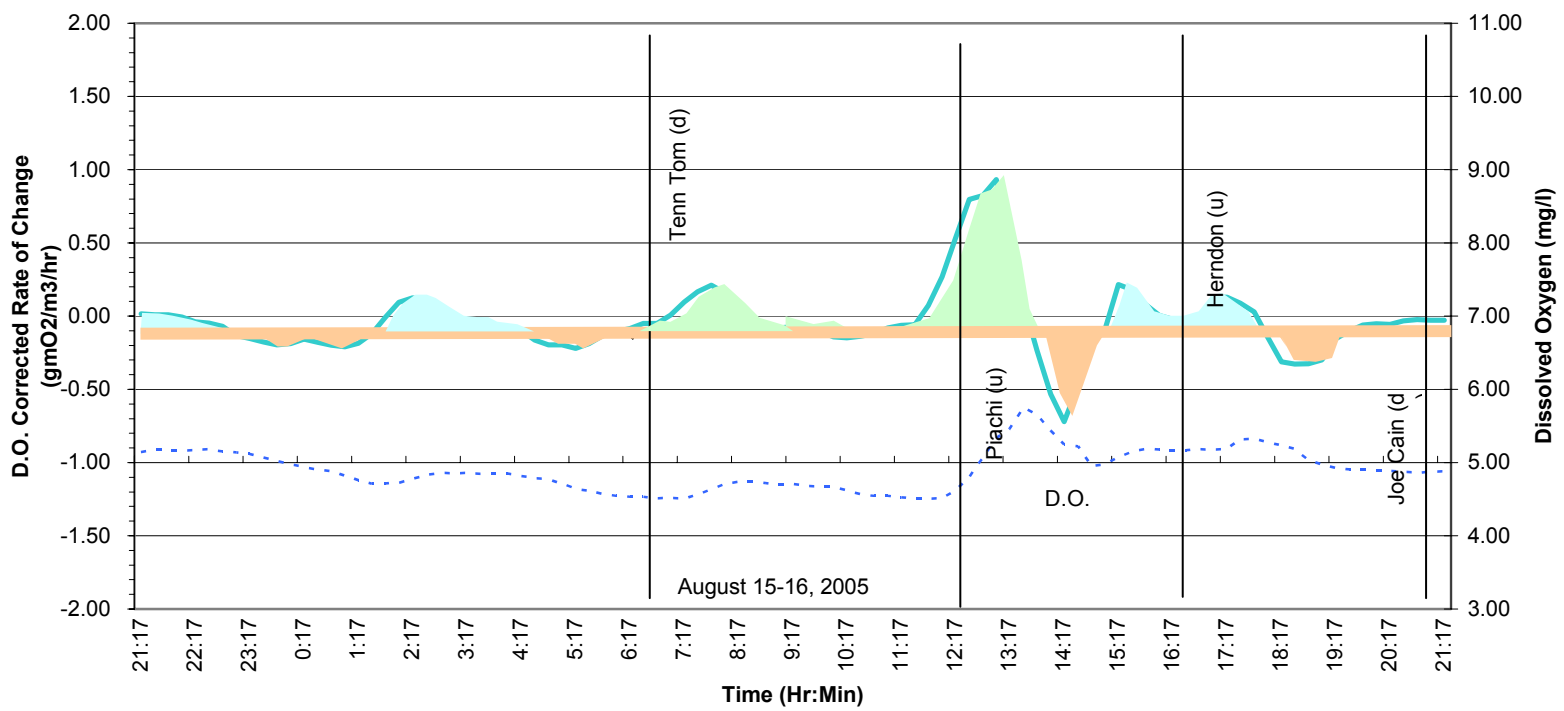
Community Metabolic Curve - TT314.7 @ 1 ft



Community Metabolic Curve - TT314.7 @ 5 ft



Community Metabolic Curve - TT314.7 @ 15 ft

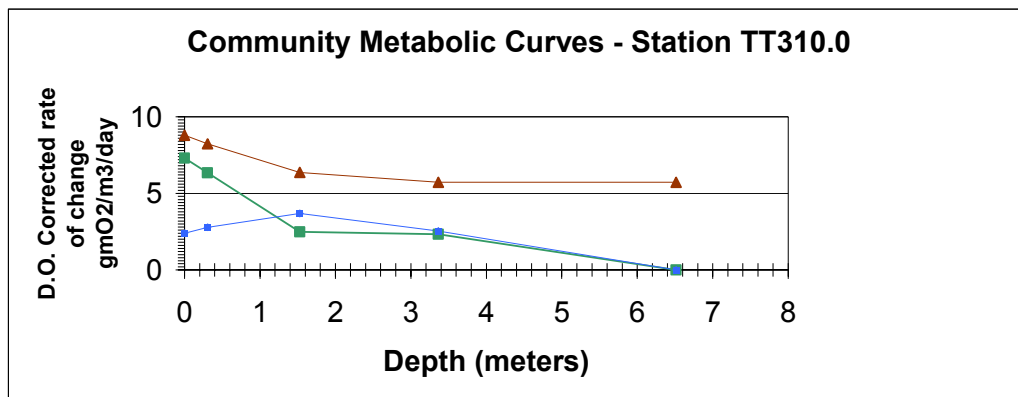


Community Metabolic Analysis for Station TT310.0  
Tennessee-Tombigbee Waterway  
Columbus, Mississippi  
August 16-17, 2005

Station	Depth (feet)	Avg D.O. (mg/l)	Avg Temp (° C)	GPP (gmO2/m3/day)	Respiration (gmO2/m3/day)	Tug (gmO2/m3/day)	Depth (meters)
TT310.0	0			7.3	8.8	2.4	0
	1	7.56	32	6.34	8.24	2.79	0.31
	5	4.77	31	2.49	6.37	3.69	1.53
	11	3.47	30.7	2.33	5.72	2.55	3.36
	21.3			0	5.72	0	6.51
	avg	5.27	31.2				

Segment	Area under the curve		
	GPP gO2/m2/day	R gO2/m2/day	Tug gO2/m2/day
0 m to 0.30	2.09	2.61	0.79
0.30 m to 1.53 m	5.40	8.94	3.96
1.53 m to 3.36 m	4.42	11.09	5.72
3.36 to 6.51	3.67	18.02	4.02
	<b>15.58</b>	<b>40.65</b>	<b>14.50</b>

GPP & R estimated from curve for the top 0.30 meters and bottom 3 meters

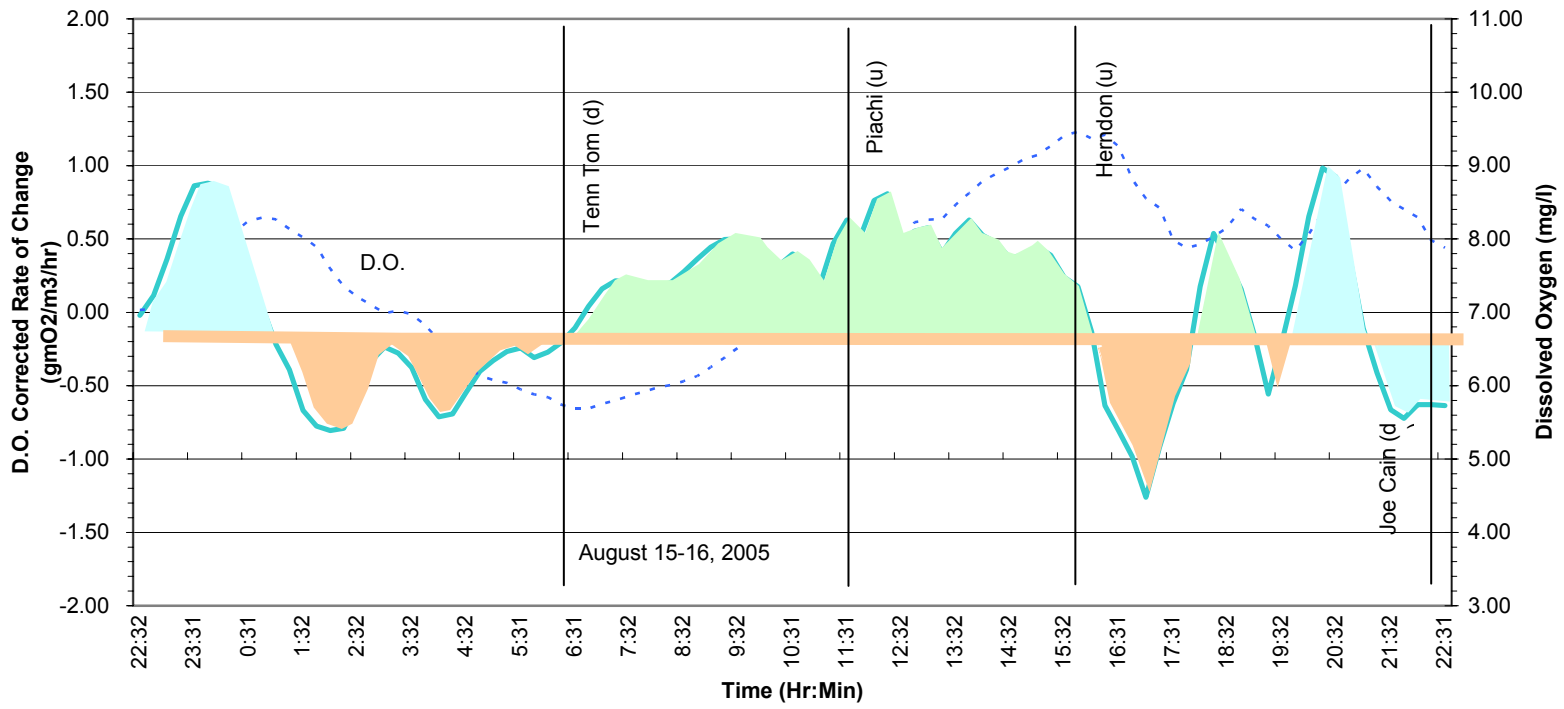


corrected for depth		
GPP gO2/m3/day (mg/l/day)	R gO2/m3/day (mg/l/day)	Tug gO2/m3/day (mg/l/day)
2.39	6.24	2.23

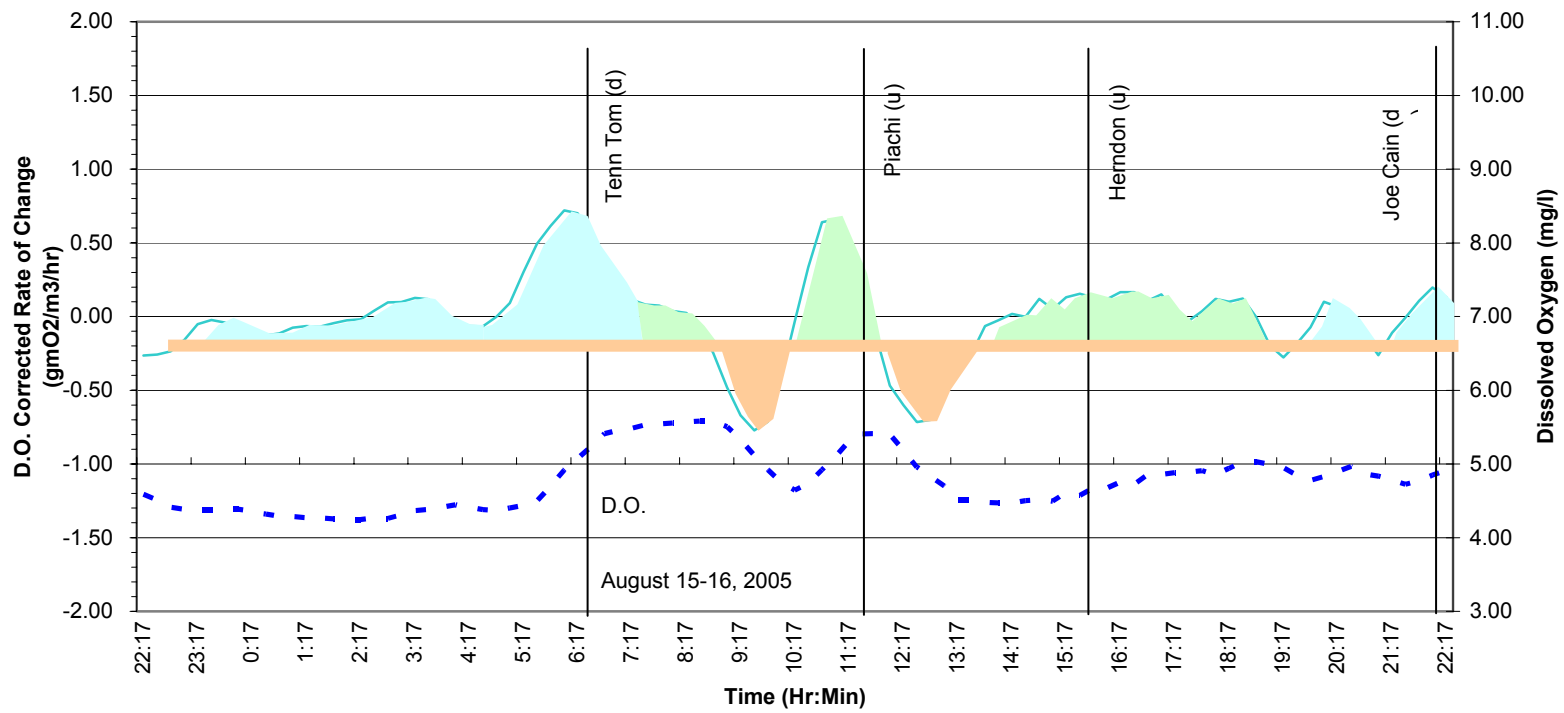
D.O. @ saturation	7.41
Community GPP	2.39
Community R	-6.24
Atmospheric Ka	-0.04
Barge Aeration	2.23
D.O. @ balance	<b>5.75</b>
D.O. avg in H2O	5.27
Community GPP:R	0.38



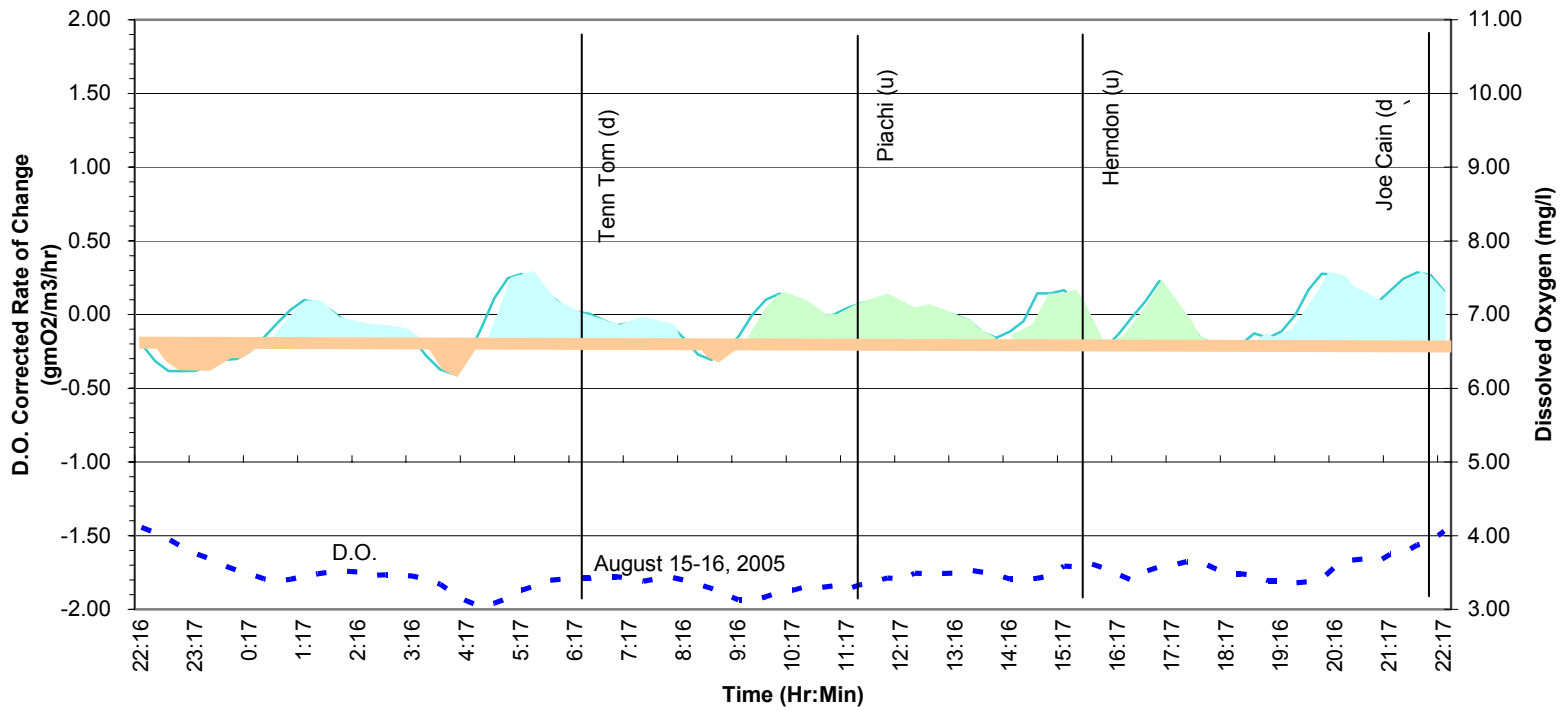
### Community Metabolic Curve - TT310.0 @ 1 ft



### Community Metabolic Curve - TT310.0 @ 5 ft



Community Metabolic Curve - TT310.0 @ 11 ft



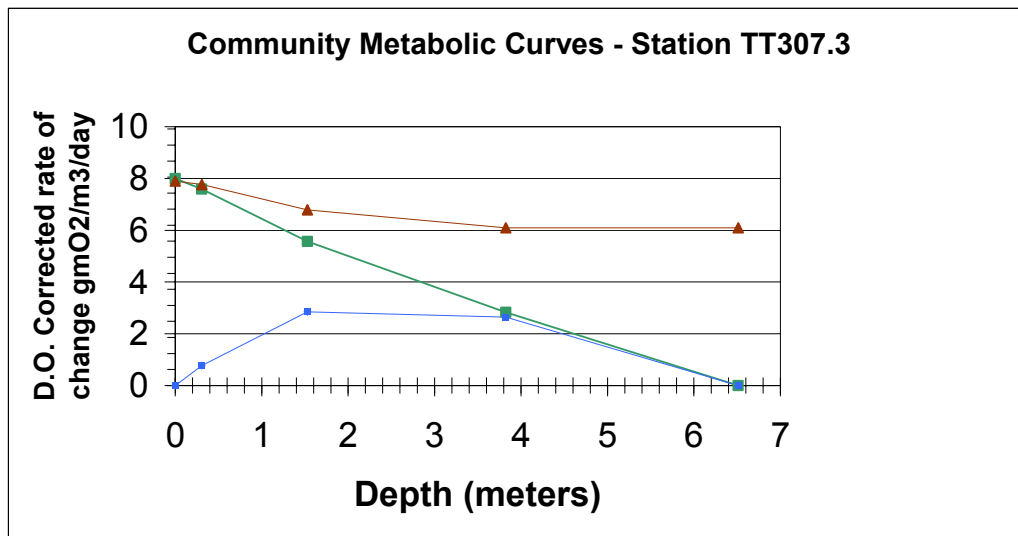
Community Metabolic Analysis for Station TT307.3  
Tennessee-Tombigbee Waterway  
Columbus, Mississippi  
August 16-17, 2005

Station	Depth (feet)	Avg D.O. (mg/l)	Avg Temp (° C)	GPP (gmO2/m3/day)	Respiration (gmO2/m3/day)	Tug (gmO2/m3/day)	Depth (meters)
TT307.3	0			8	7.9	0	0
	1	7.79	32.3	7.59	7.77	0.77	0.31
	5	5.46	31.1	5.57	6.79	2.85	1.53
	12.5	3.55	30.55	2.83	6.09	2.64	3.82
	21.3			0	6.09	0	6.51
	avg	5.60	31.3				

Segment	Area under the curve		
	GPP gO2/m2/day	R gO2/m2/day	Tug gO2/m2/day
0 m to 0.30	2.38	2.40	0.12
0.30 m to 1.53 m	8.05	8.91	2.21
1.53 m to 3.82 m	9.63	14.77	6.30
3.82 to 6.51	3.81	16.39	3.55
	<b>23.87</b>	<b>42.46</b>	<b>12.18</b>

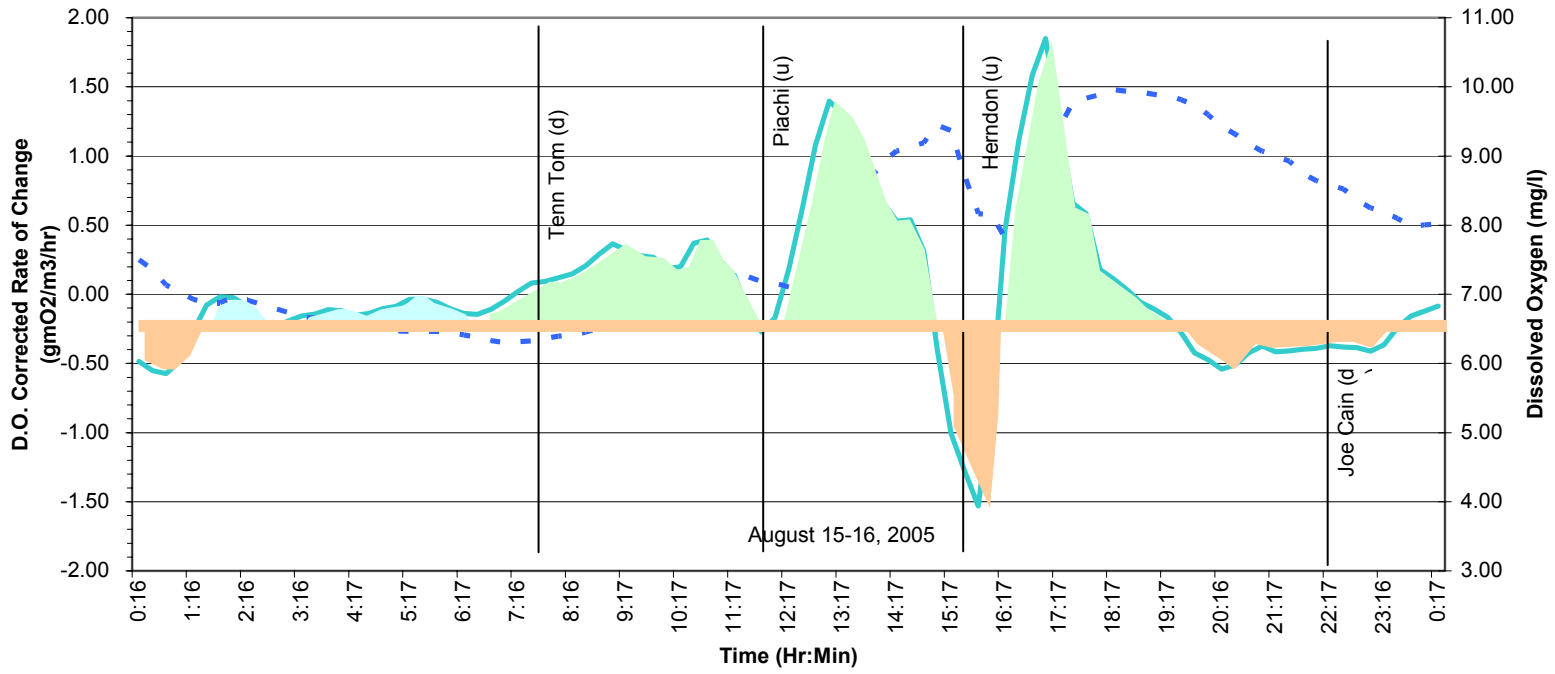
GPP & R estimated from curve for the top 0.30 meters and bottom 2.7 meters

corrected for depth		
GPP gO2/m3/day (mg/l/day)	R gO2/m3/day (mg/l/day)	Tug gO2/m3/day (mg/l/day)
3.67	6.52	1.87

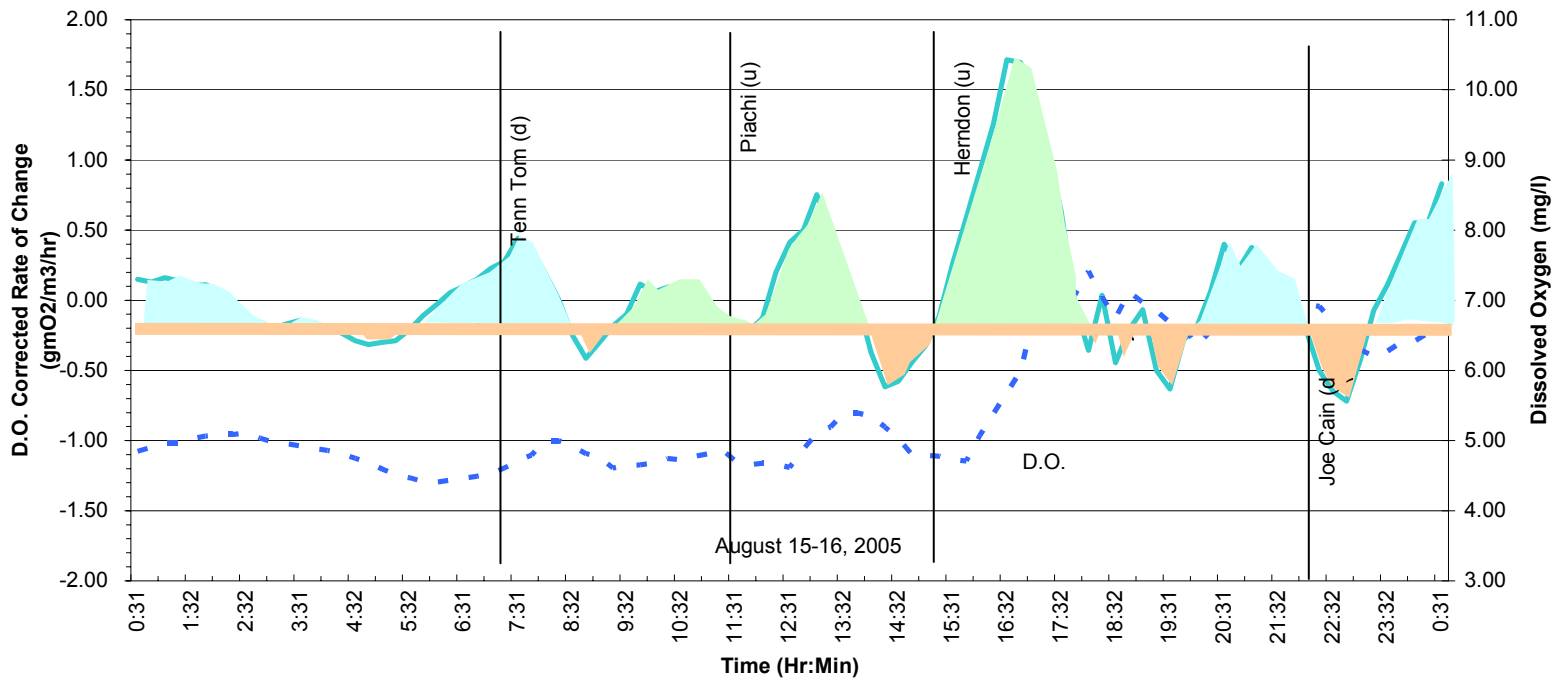


D.O. @ saturation	7.39
Community GPP	3.67
Community R	-6.52
Atmospheric Ka	-0.10
Barge Aeration	1.87
D.O. @ balance	<b>6.31</b>
D.O. avg in H2O	5.60
Community GPP:R	0.56

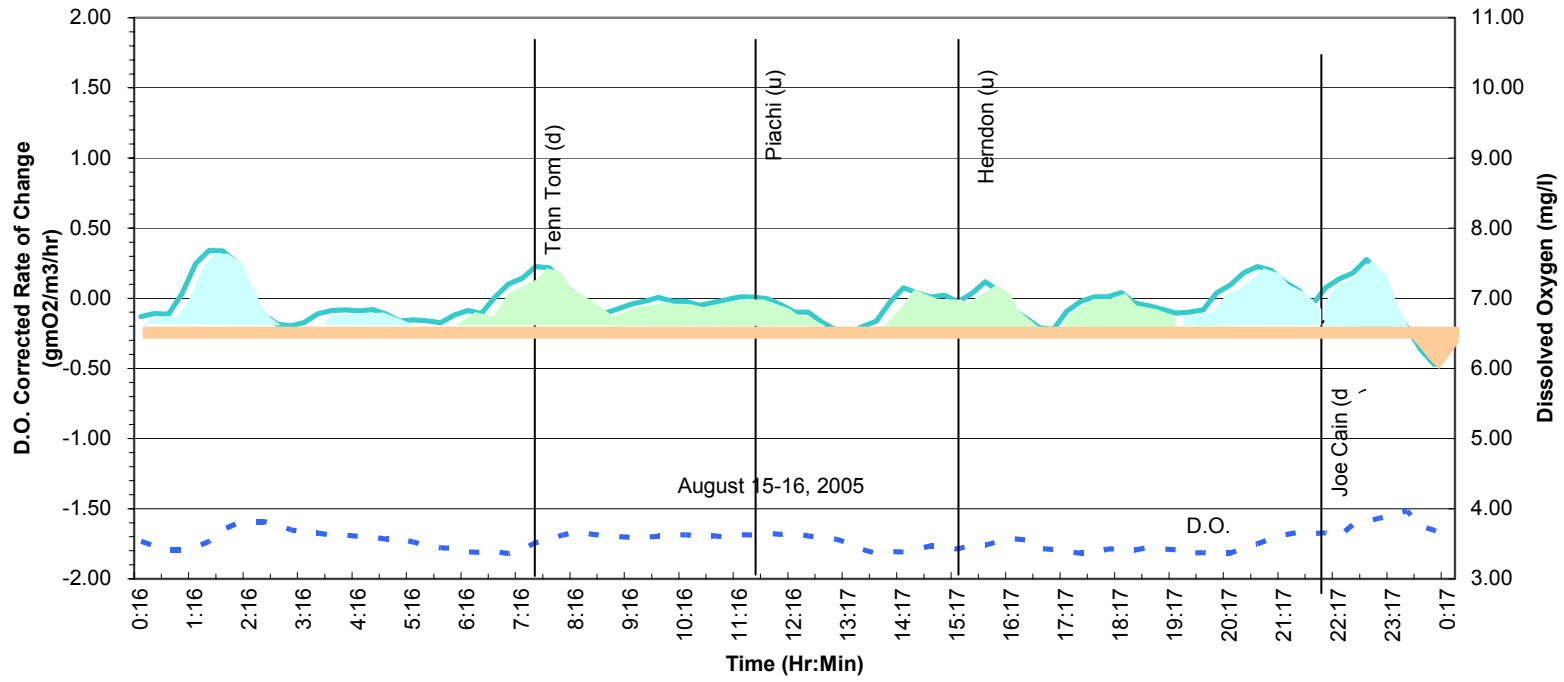
### Community Metabolic Curve - TT307.3 @ 1 ft



### Community Metabolic Curve - TT307.3 @ 5 ft



### Community Metabolic Curve - TT307.3 @12.5 ft

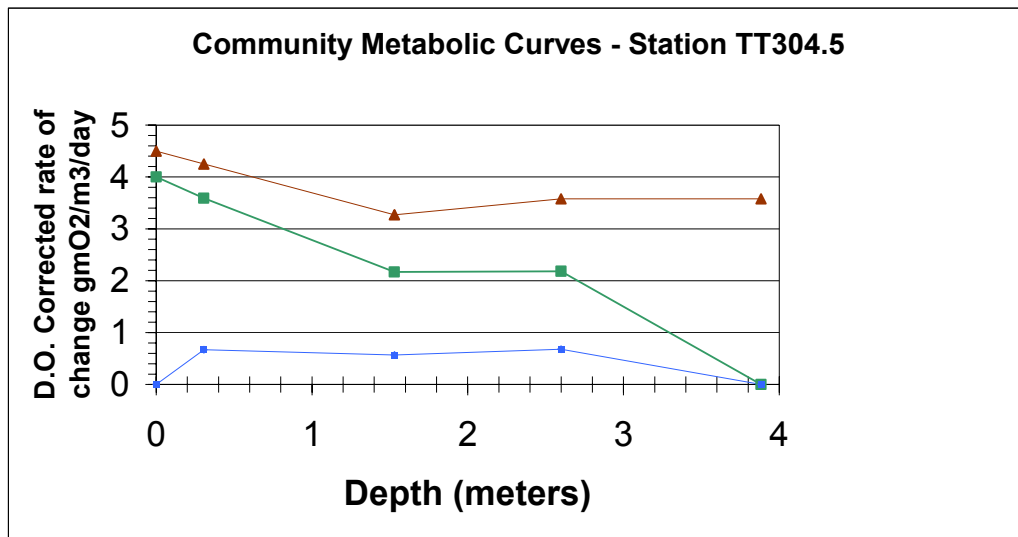


Community Metabolic Analysis for Station TT304.5  
Tennessee-Tombigbee Waterway  
Columbus, Mississippi  
August 16-17, 2005

Station	Depth (feet)	Avg D.O. (mg/l)	Avg Temp (° C)	GPP (gmO2/m3/day)	Respiration (gmO2/m3/day)	Tug (gmO2/m3/day)	Depth (meters)
TT304.5	0			4	4.5	0	0
	1	6.41	31.3	3.59	4.25	0.67	0.31
	5	6.03	31.1	2.17	3.27	0.57	1.53
	8.5	5.95	31	2.18	3.58	0.68	2.60
	12.7			0	3.58	0	3.88
	avg	6.13	31.1				

Bottom depth is the average of 14 upstream (travel time) cross sections made at 1000 ft intervals

GPP & R estimated from curve for the top 0.31 meters and bottom 1.28 meters



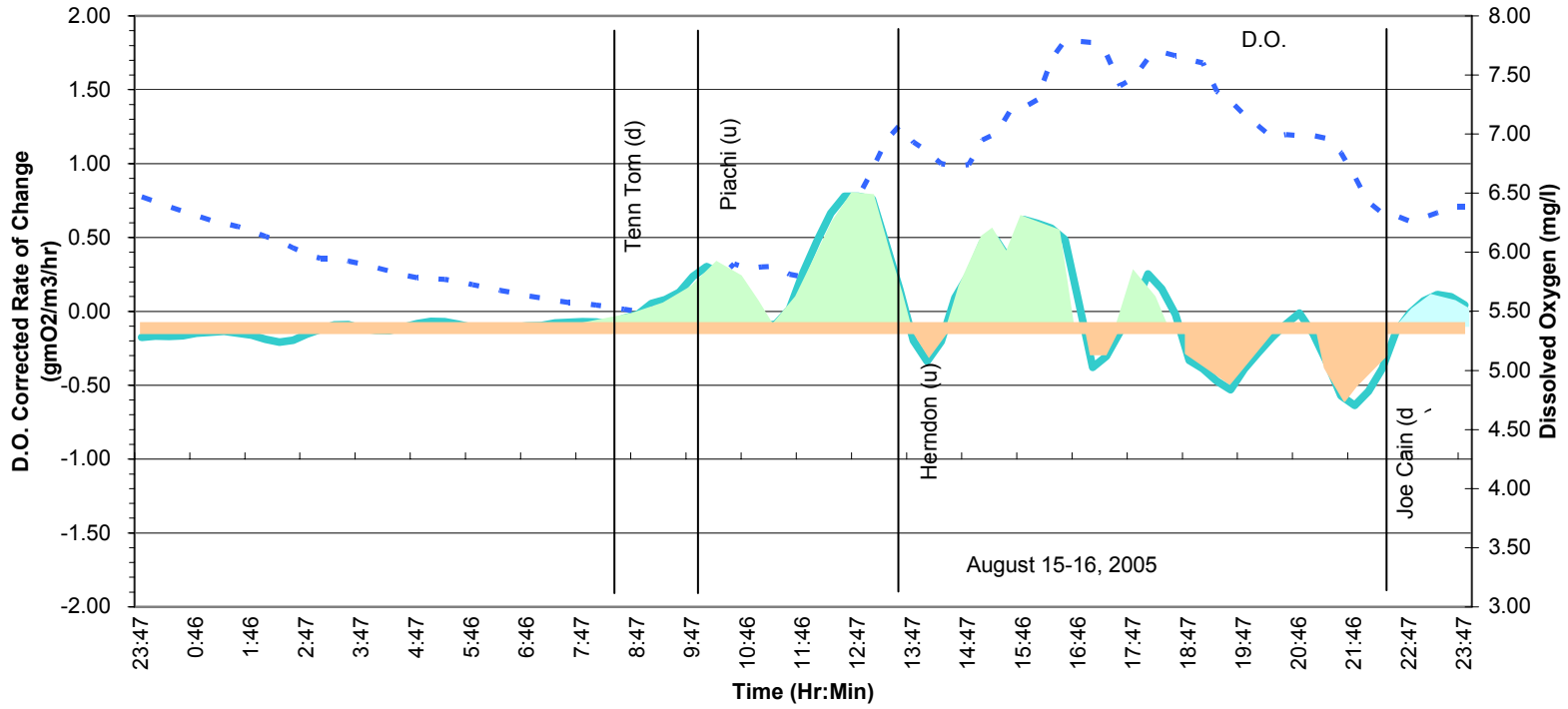
Segment	Area under the curve		
	GPP (gO2/m2/day)	R (gO2/m2/day)	Tug (gO2/m2/day)
0 m to 0.30	1.16	1.34	0.10
0.30 m to 1.53 m	3.52	4.60	0.76
1.53 m to 2.62 m	2.33	3.67	0.67
2.62 to 3.88	1.40	4.60	0.44
	<b>8.41</b>	<b>14.20</b>	<b>1.97</b>

corrected for depth		
GPP (gO2/m3/day) (mg/l/day)	R (gO2/m3/day) (mg/l/day)	Tug (gO2/m3/day) (mg/l/day)
2.17	3.66	0.51

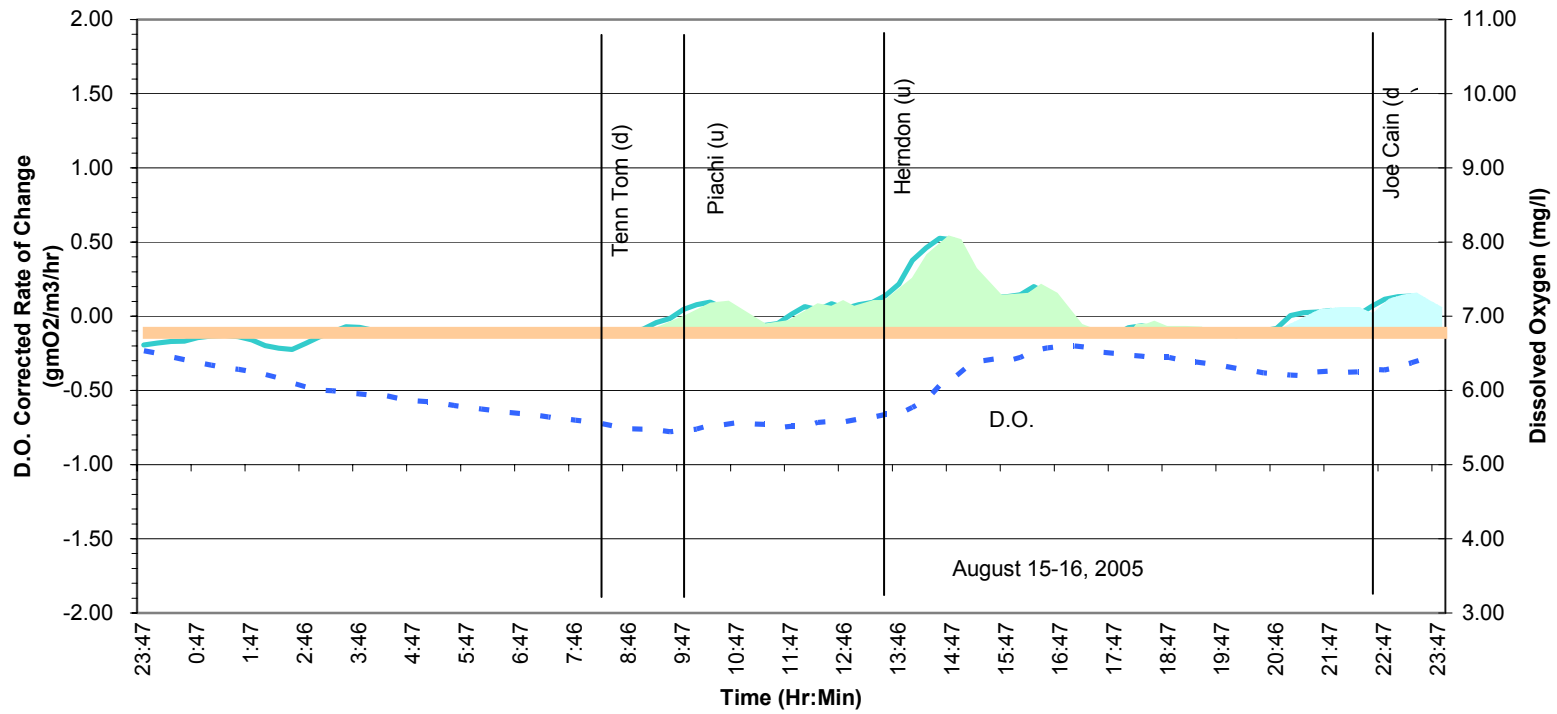
D.O. @ saturation	7.42
Community GPP	2.17
Community R	-3.66
Atmospheric Ka	0.19
Barge aeration	0.51
D.O. @ balance	<b>6.63</b>
D.O. avg in H2O	6.13
Community GPP:R	0.59



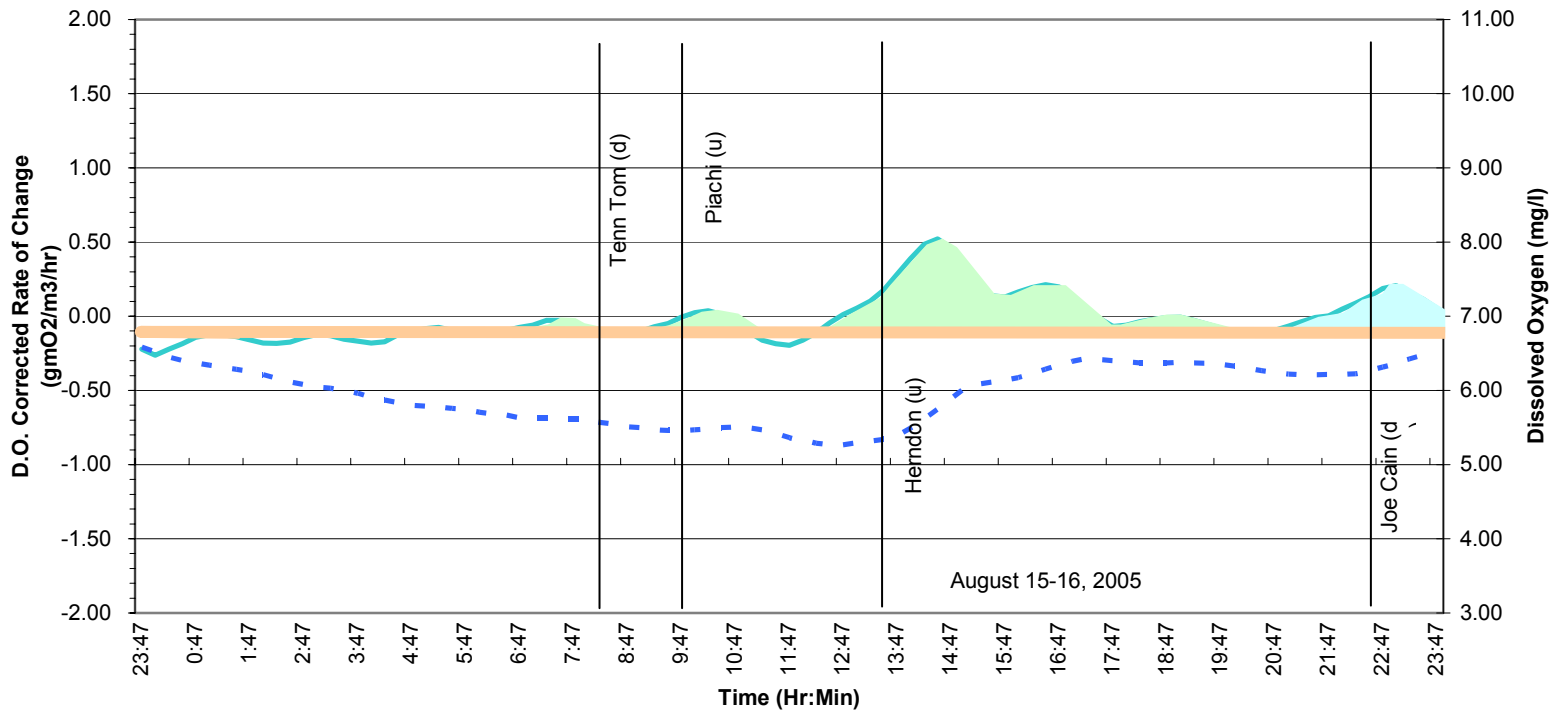
### Community Metabolic Curve - TT304.5 @ 1 ft



### Community Metabolic Curve - TT304.5 @ 5 ft



Community Metabolic Curve - TT304.5 @ 8.5 ft



**APPENDIX G**  
**BATHYMETRIC SURVEY**

HYDROGRAPHIC SURVEY  
of  
PORTIONS OF GAINESVILLE AND ALICEVILLE POOLS  
in support of  
Water Quality Investigation

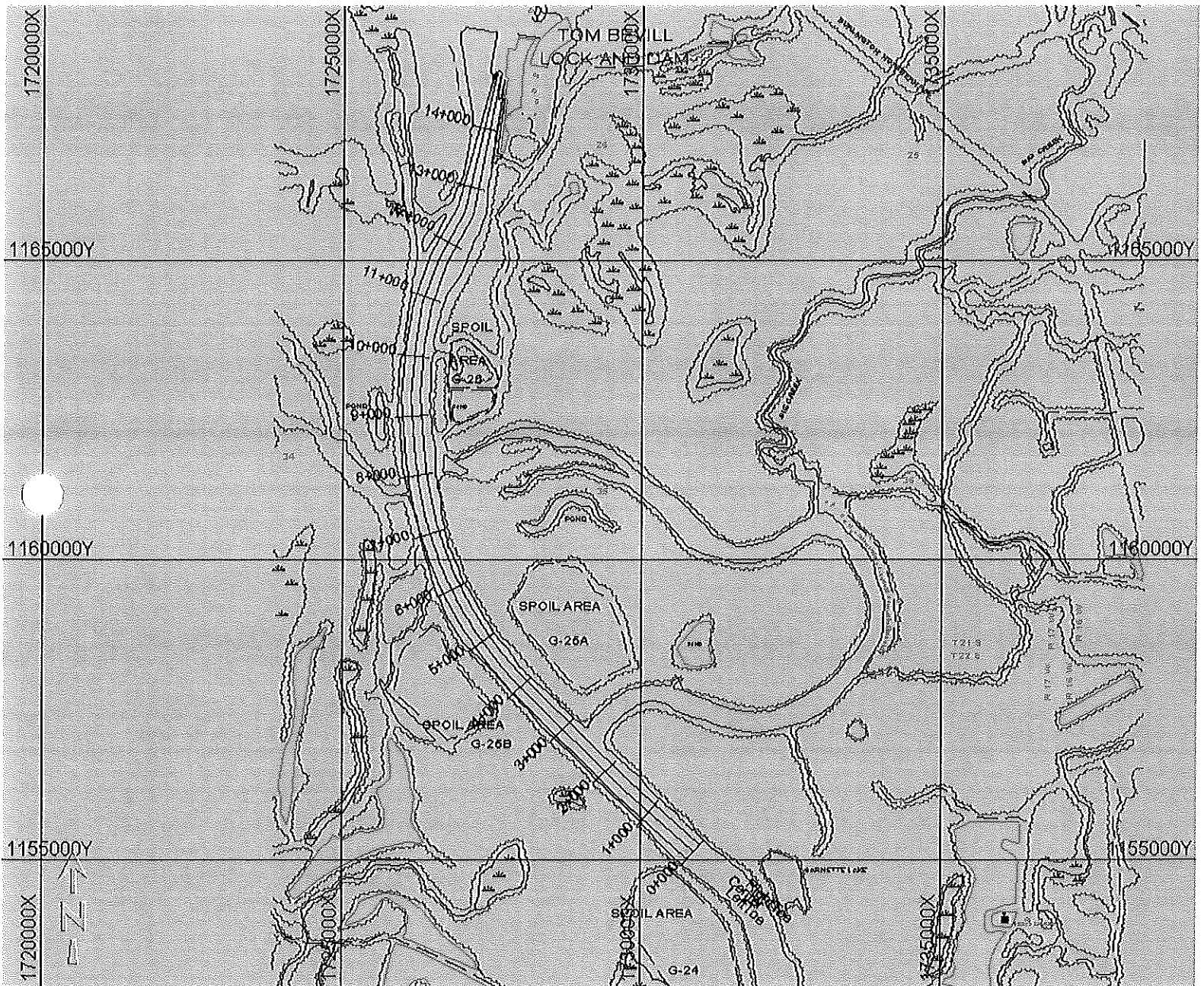
This document provides the results of a hydrographic survey conducted by the U.S. Army Corps of Engineers, Tennessee-Tombigbee Waterway Operations Office. The survey was executed in response to a request for bathymetric information to be used as part of a water quality investigation.

The surveyed area includes portions of the Gainesville and Aliceville Pools within the Tennessee Tombigbee Waterway. Channel cross-sections were surveyed at 1,000-foot intervals between waterway mile 304 and mile 341. A series of diagrams depicting the locations of the cross-sections is provided in Section A. Surveyed cross-section drawings are provided in Section B. Depths are referenced to the normal elevation of the water surface in the pools where measurements were made. Normal pool elevations in Gainesville and Aliceville Pools are 109.0 feet (NGVD) and 136.0 feet (NGVD), respectively.

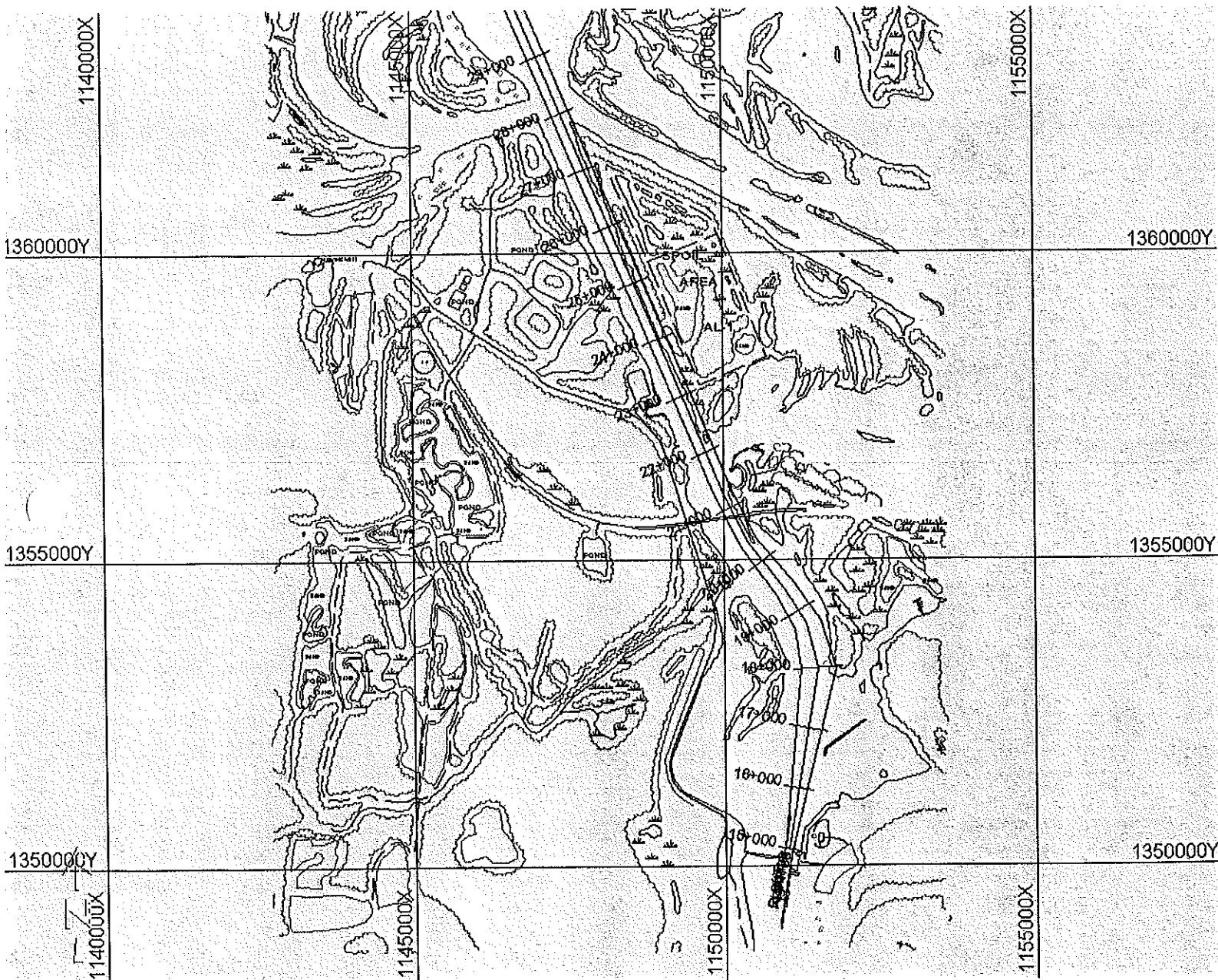
Dates on when surveys were conducted are provided below:

07 June 2005 – XS 0+000 to XS 14+000  
10 June 2005 – XS 124+000 to XS 195+000  
28 June 2005 – XS 16+000 to 50+000  
29 June 2005 – XS 51+000 to 123+000

Digital files containing depths and corresponding X and Y coordinates are provided on the enclosed CD. The geospatial information is presented as State Plane Coordinates, NAD 83 (either AL West or MS East).

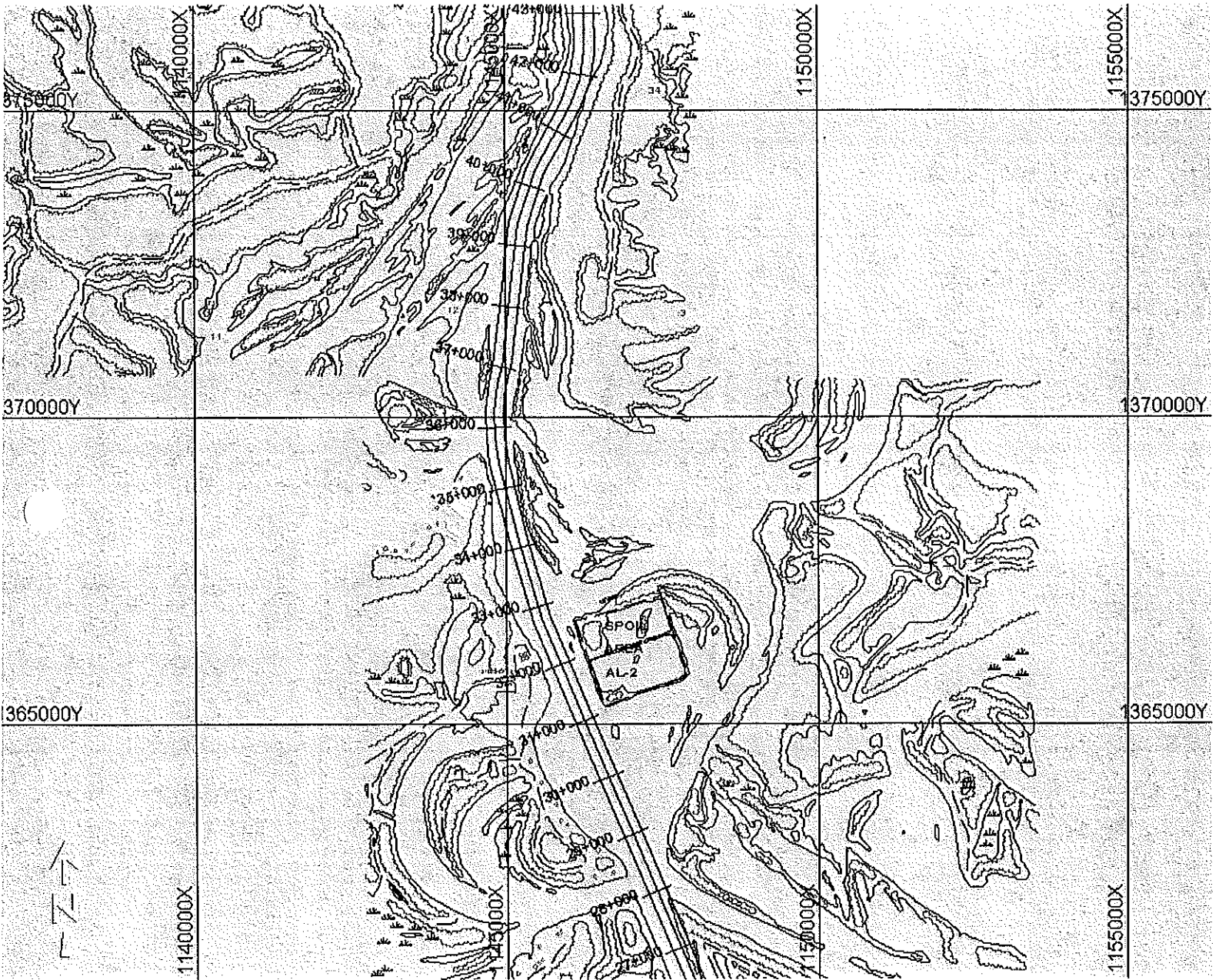


GAINESVILLE POOL (M1 304 - 307)  
 (X-S 0+000 -> 14+000)

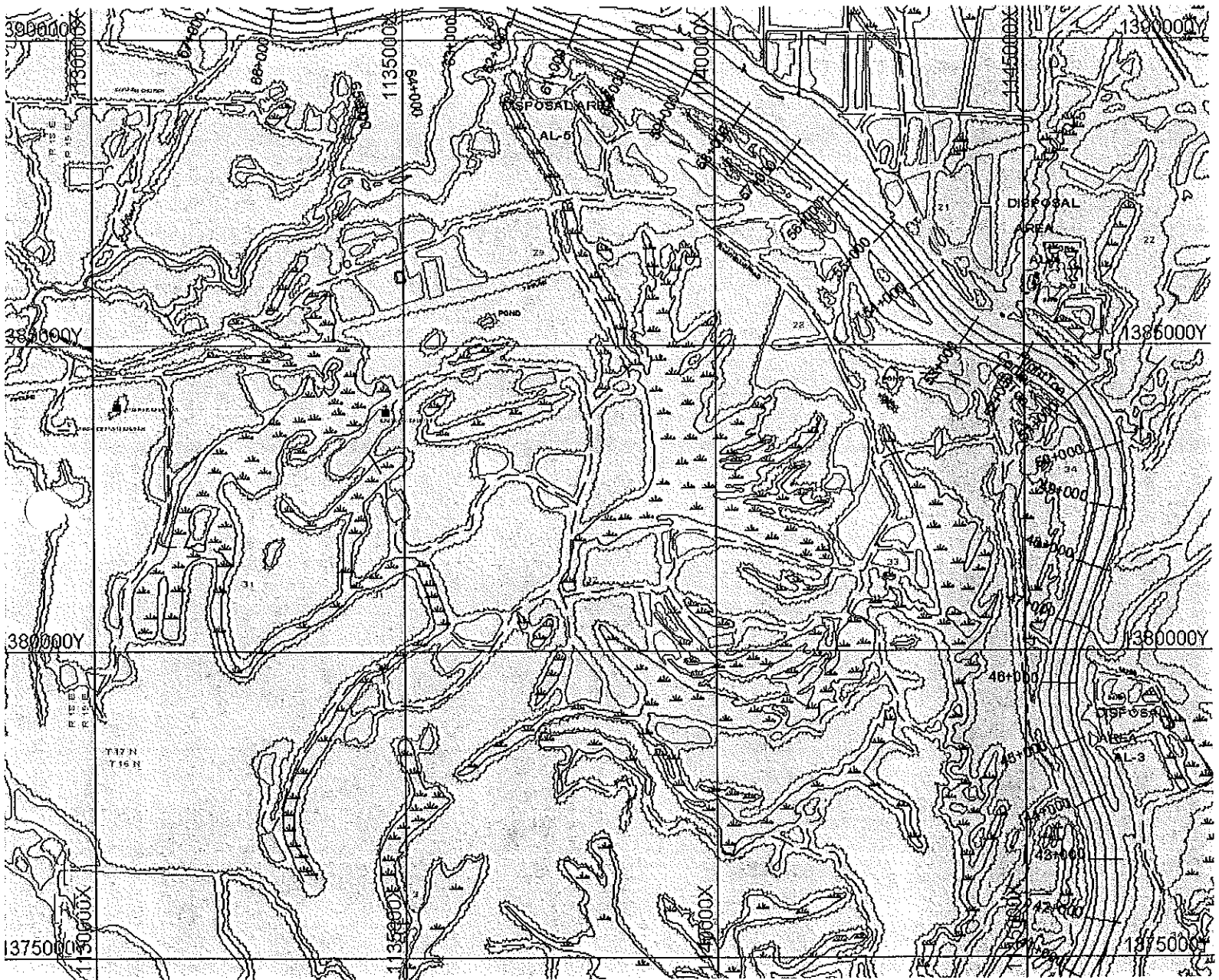


Aliceville Pool (MI 307 - 310)  
(X-S 15+000 -- 29+000)

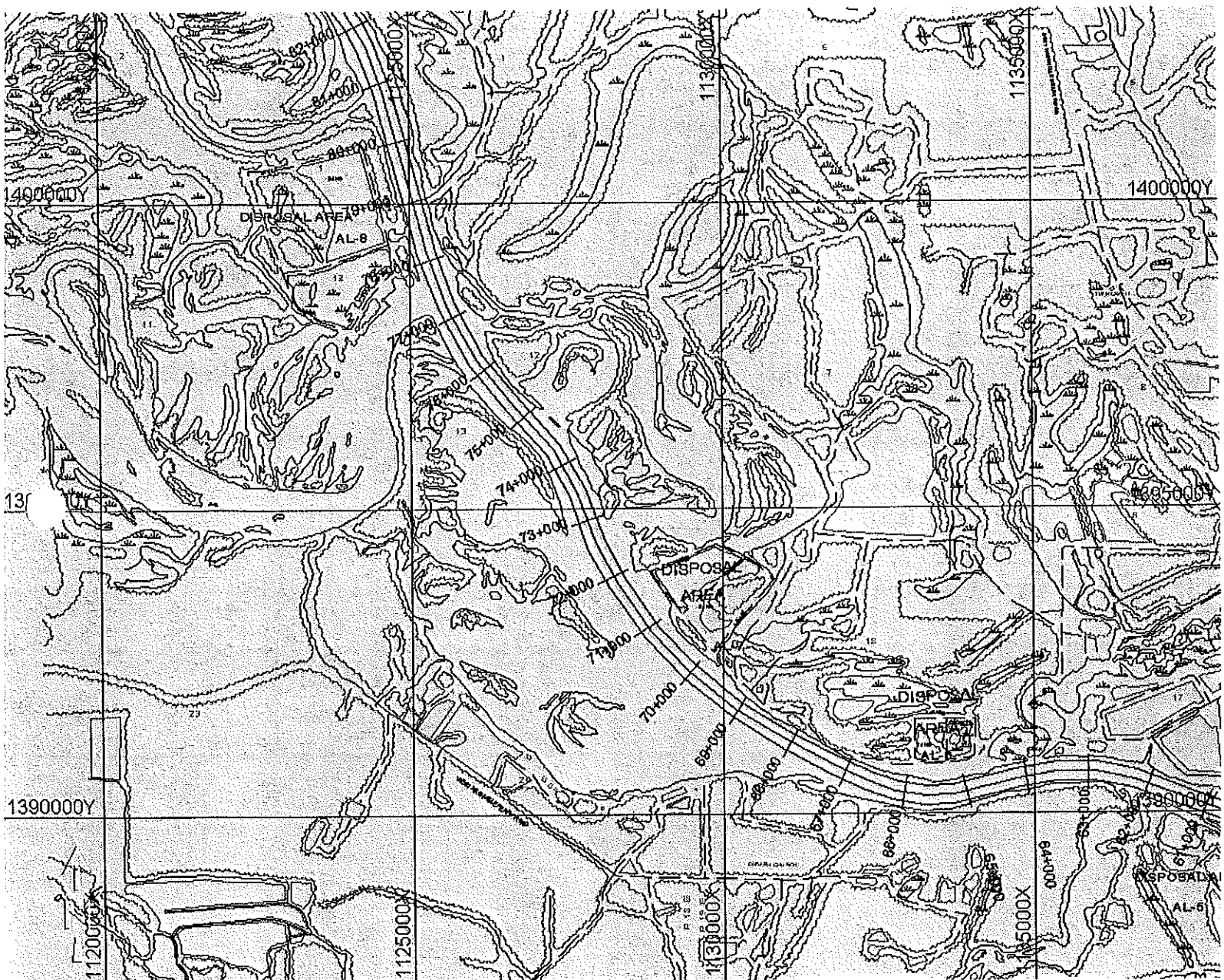




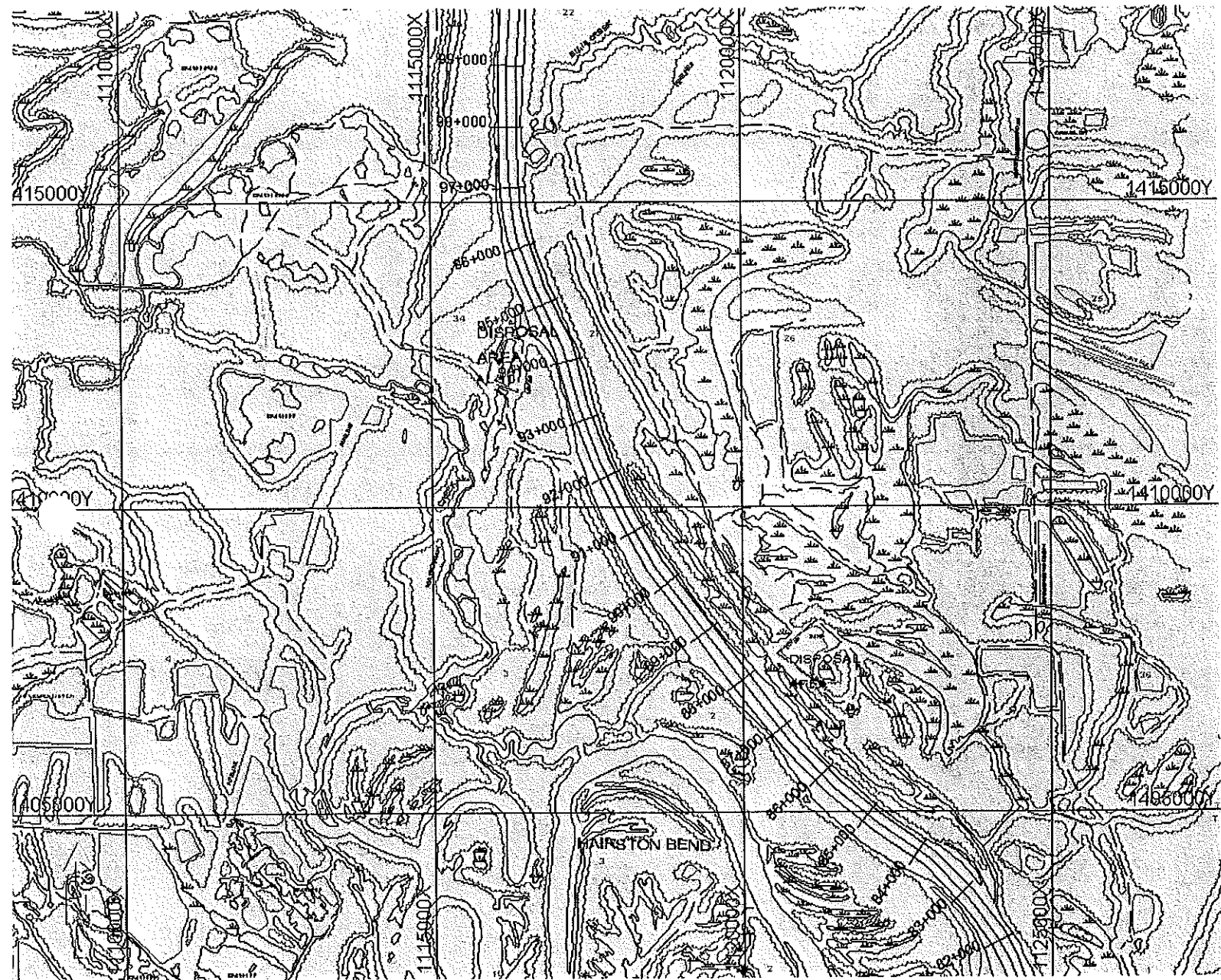
ALICEVILLE POOL (MI 310-312)  
(X-S 30+000 -- 42+000)



ALICEVILLE POOL (MI 312 - 315)  
(XS 43+000 -- 61+000)

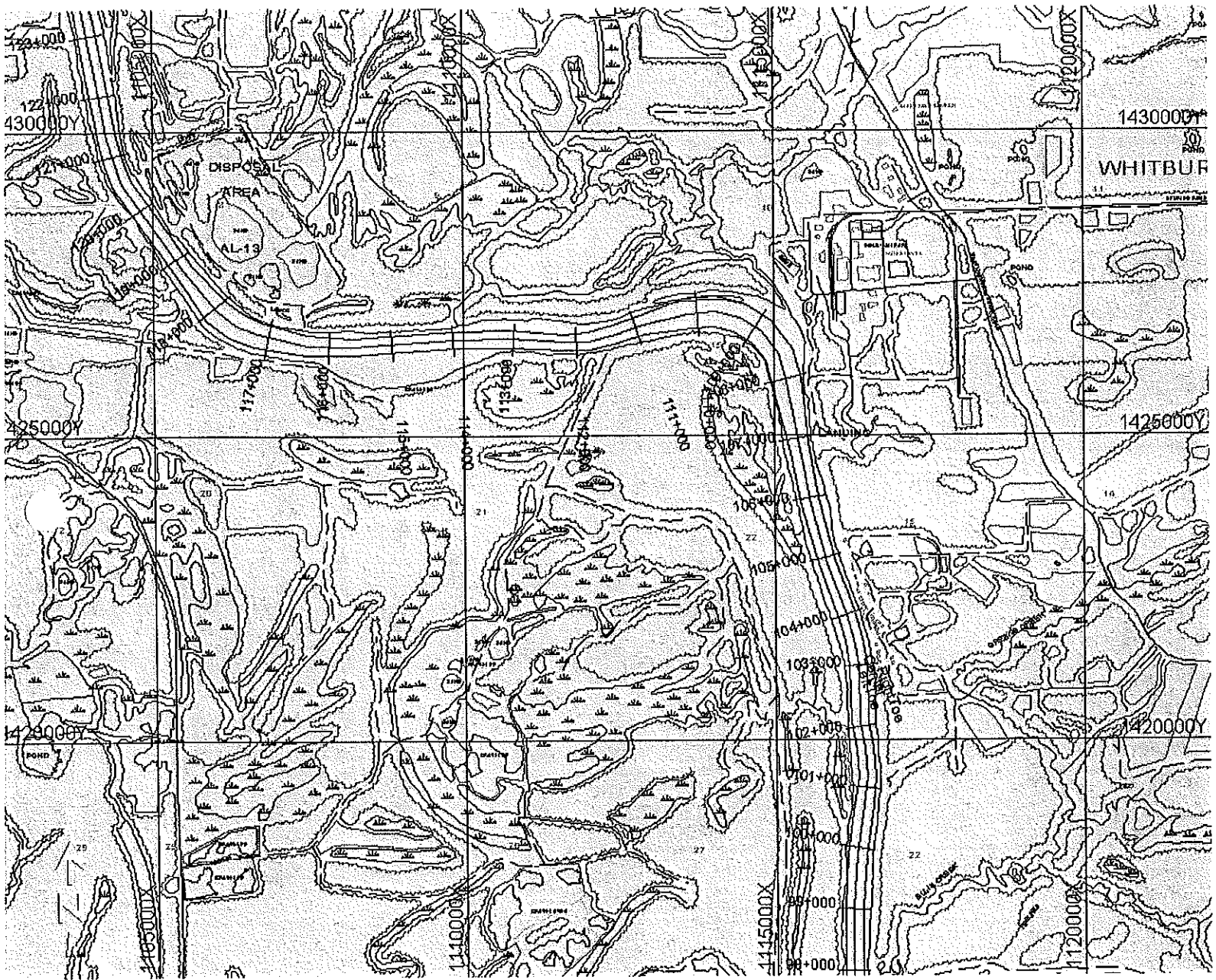


ALICEVILLE POOL (MI 315 - 320)  
(XS 62+000 -> 82+000)

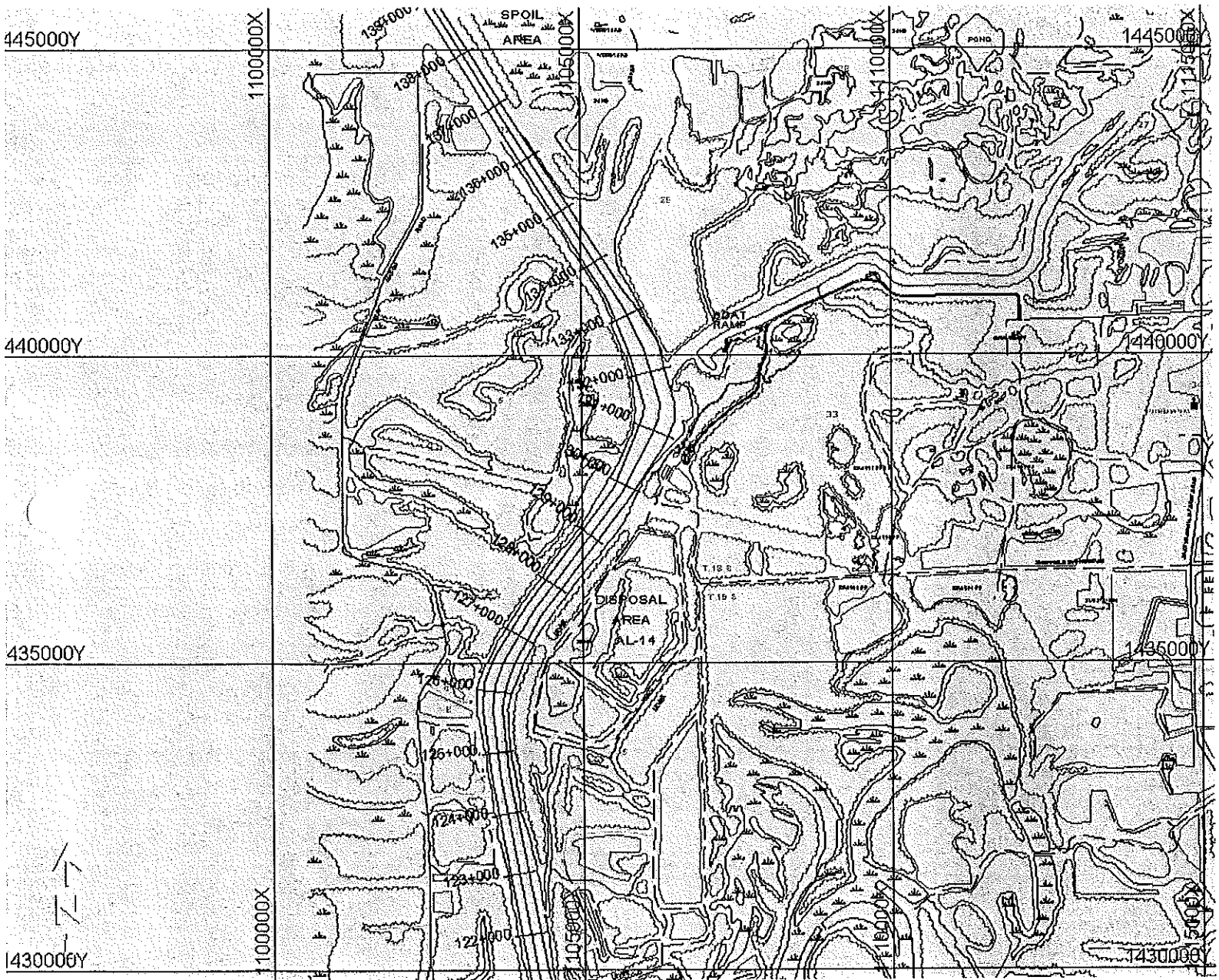


ALICEVILLE POOL (MI 320 - 323)  
(XS 83+000 → 99+000)

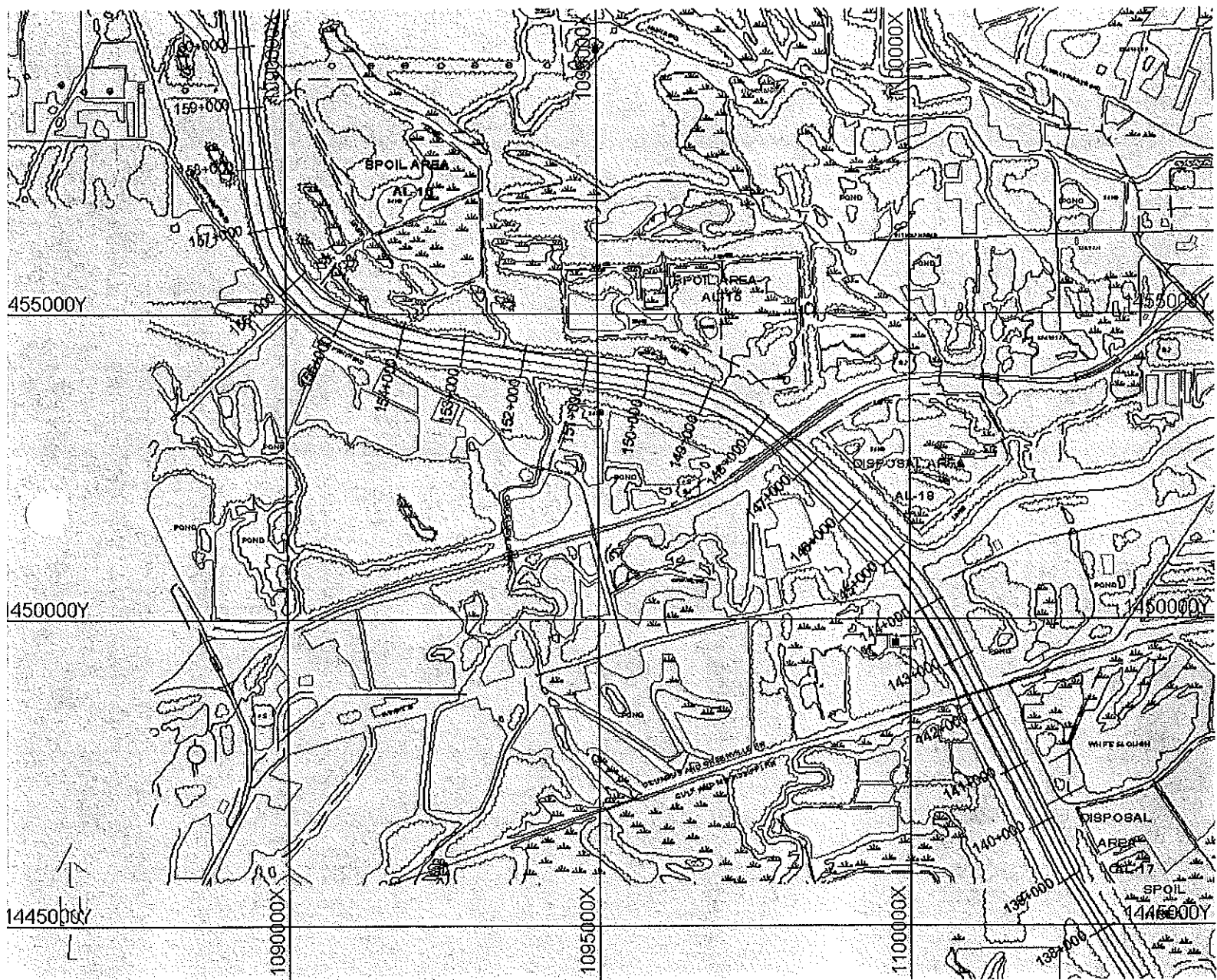




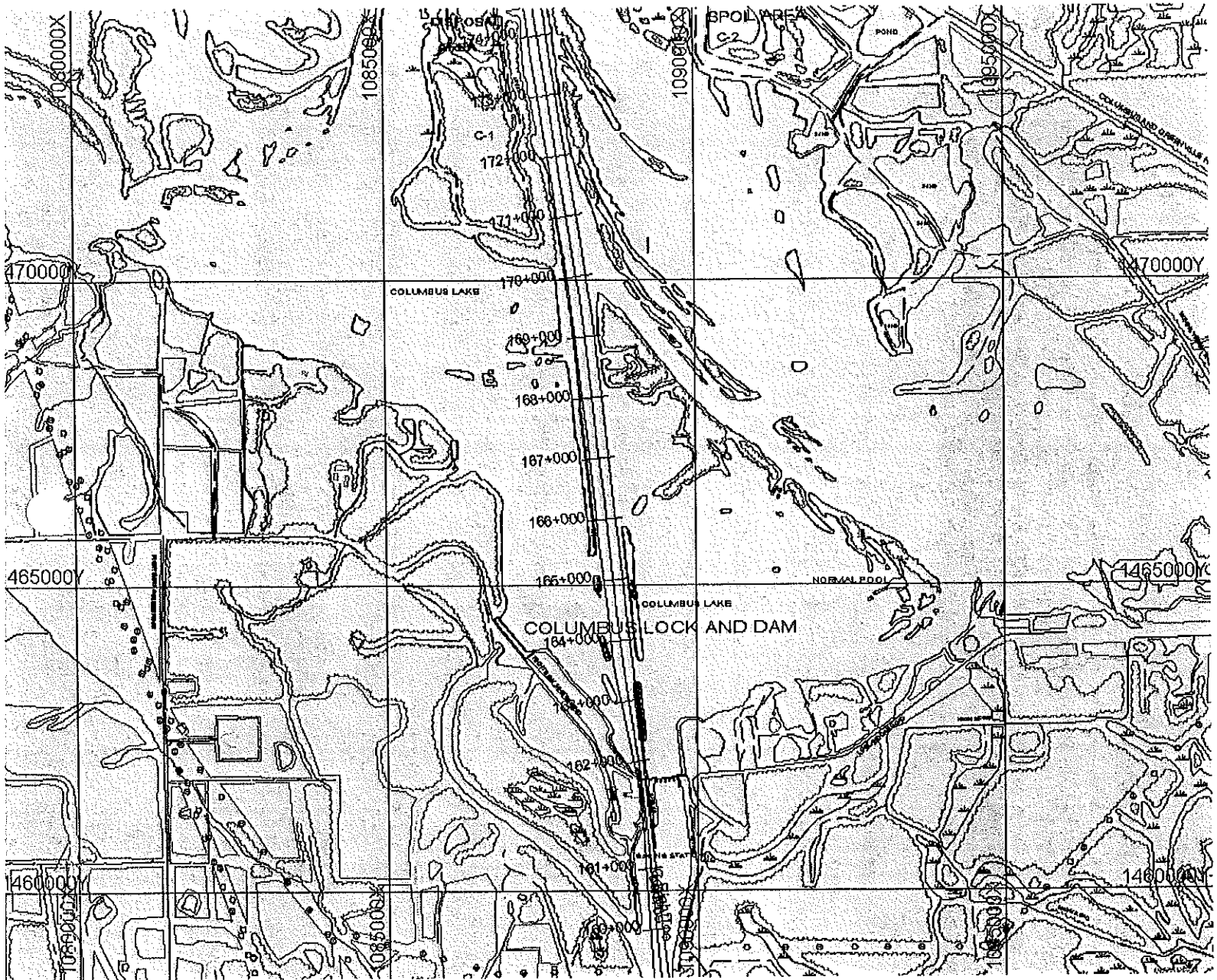
ALICEVILLE POOL (MI 323 - 327)  
(XS 100+000 → 123+000)



ALICEVILLE POOL (MI 327 - 330)  
(X-S 124+000 → 138+000)

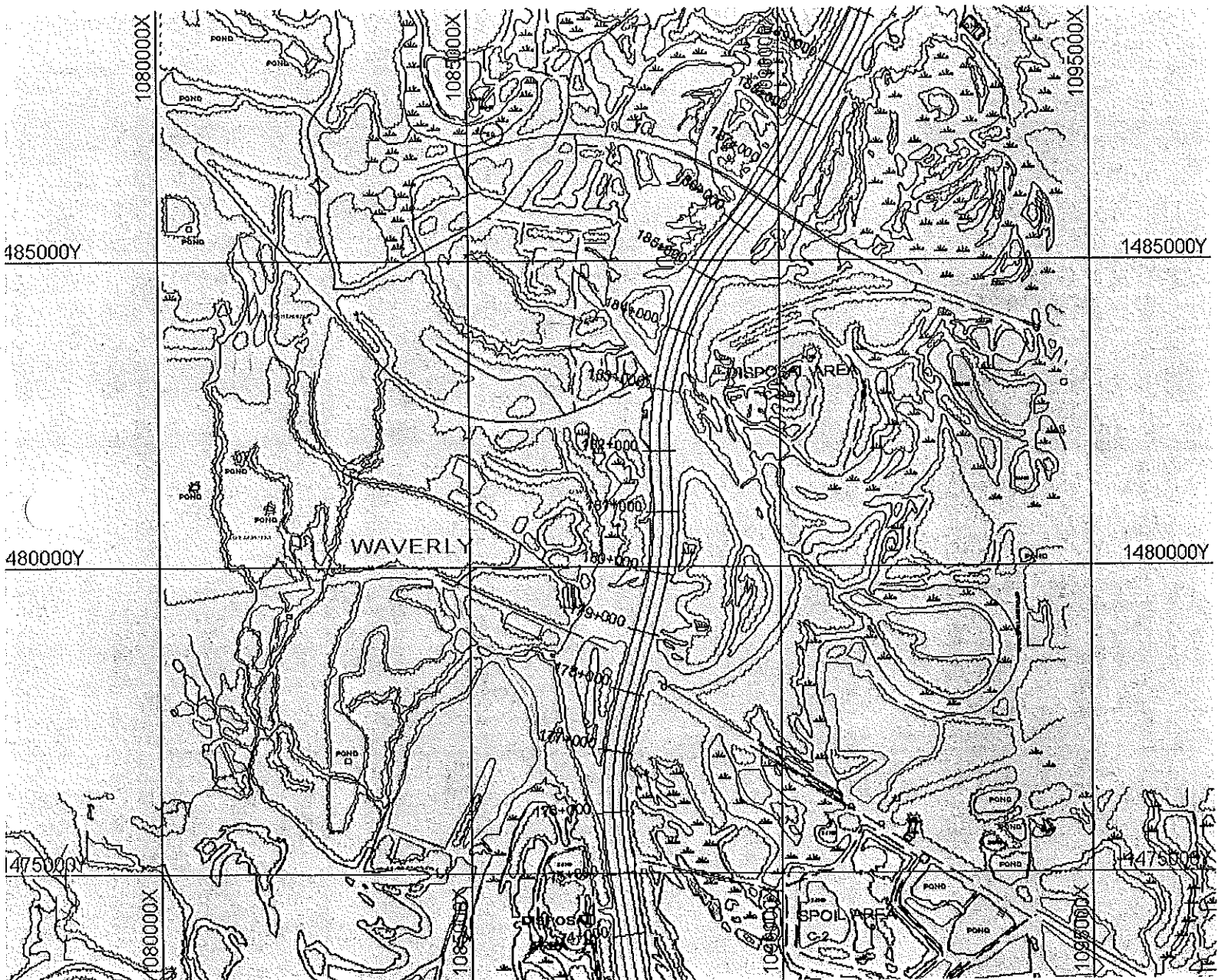


ALICEVILLE POOL (M1 330 - 334)  
(XS 139+000 - 160+000)

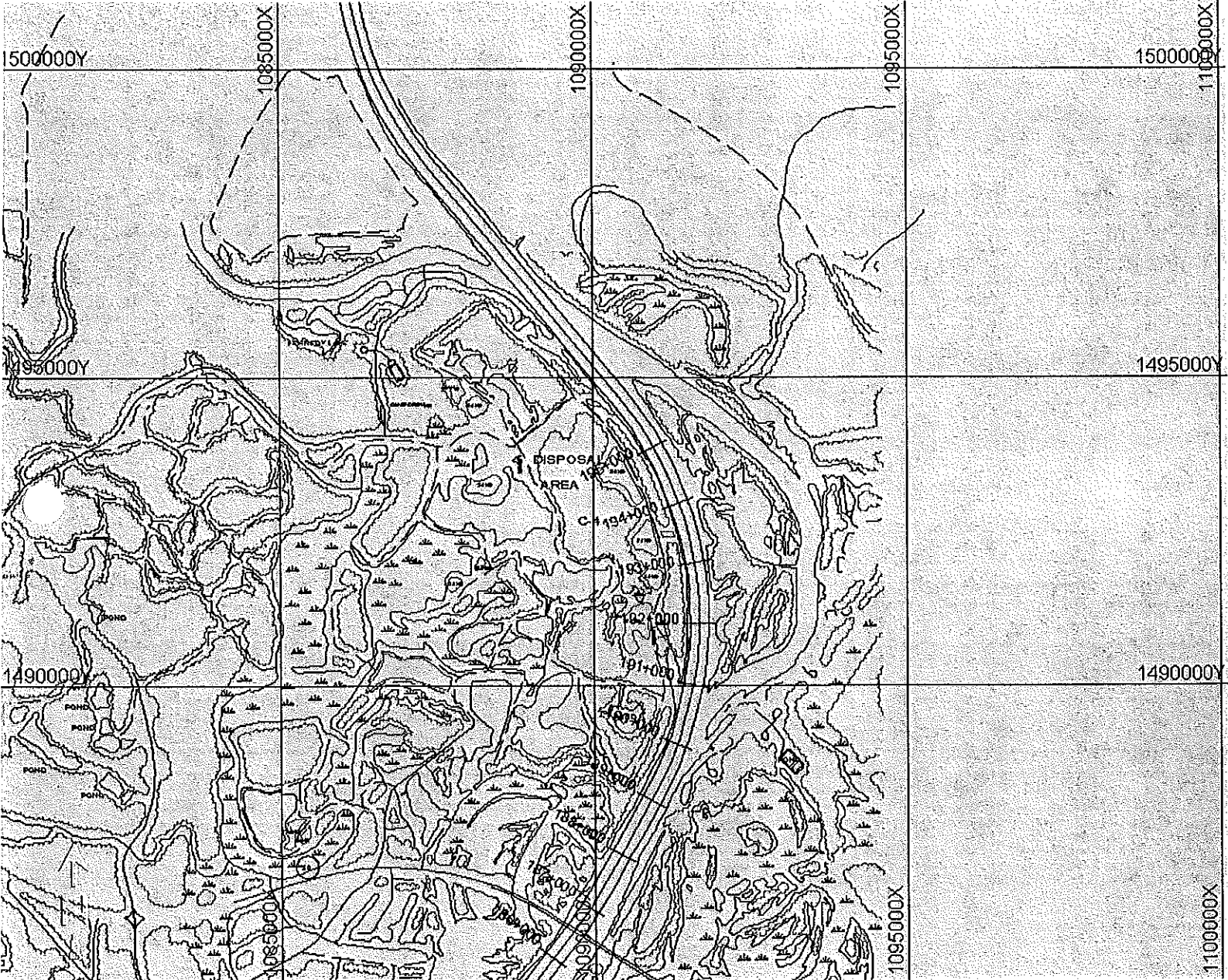


ALICEVILLE - COLUMBUS POOLS (MI 334 - 337)  
(X-S 161+000 - 174+000)

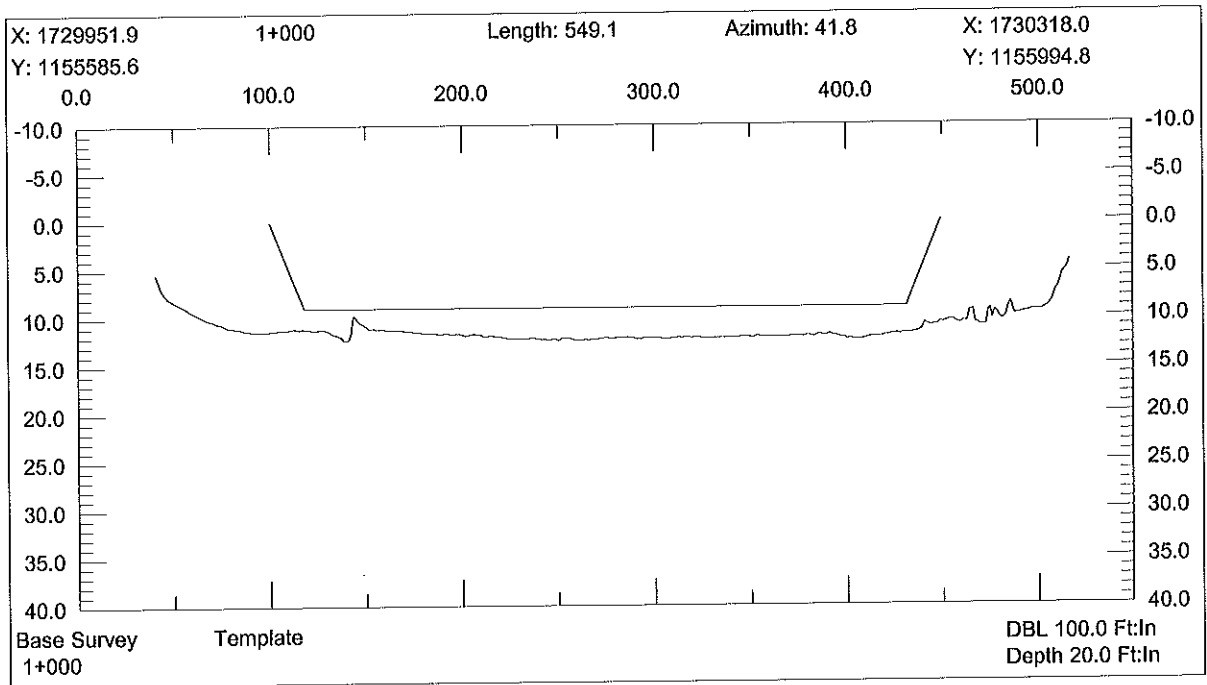
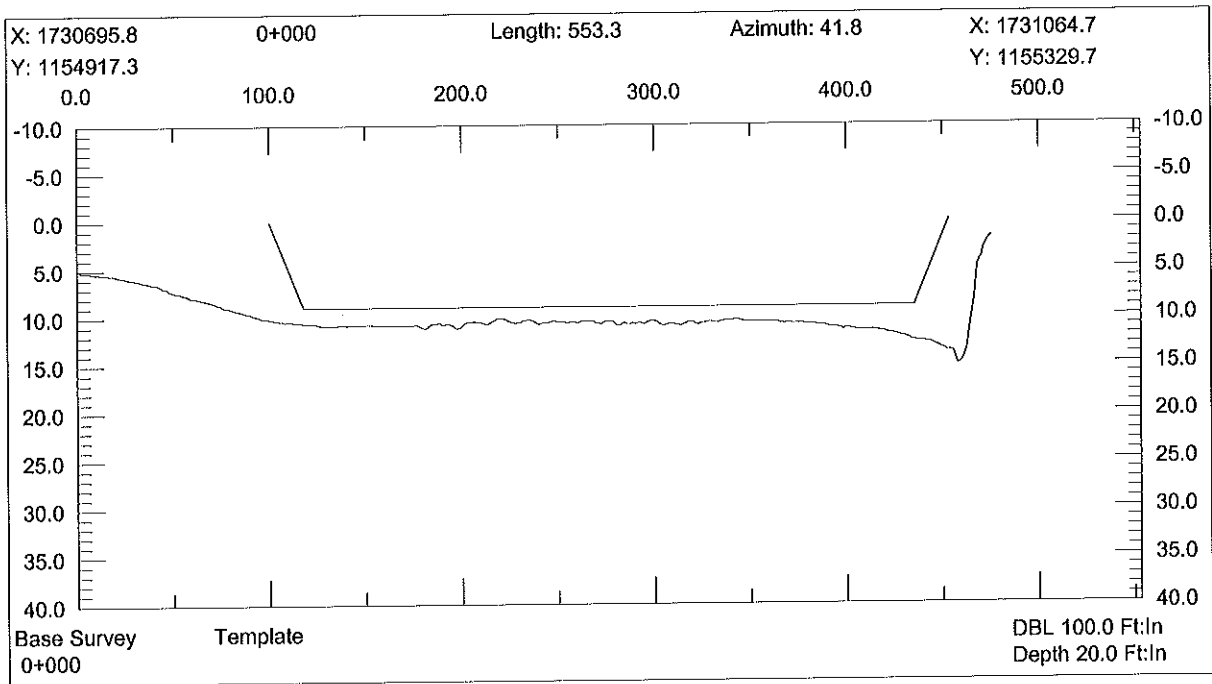




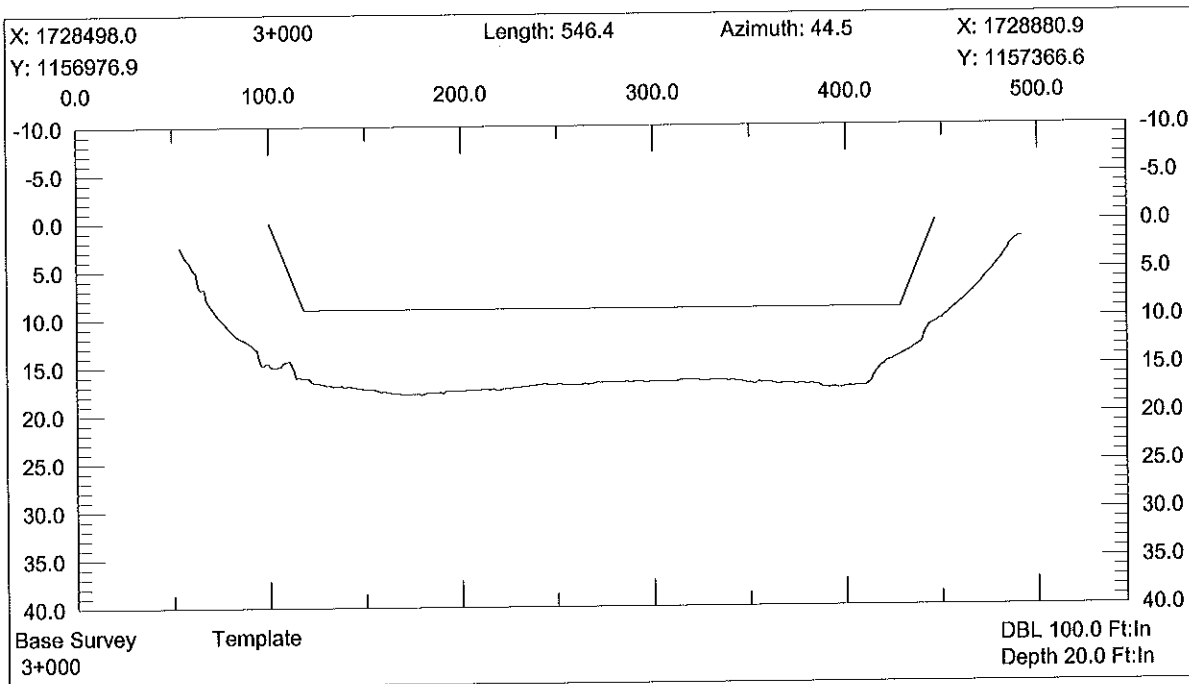
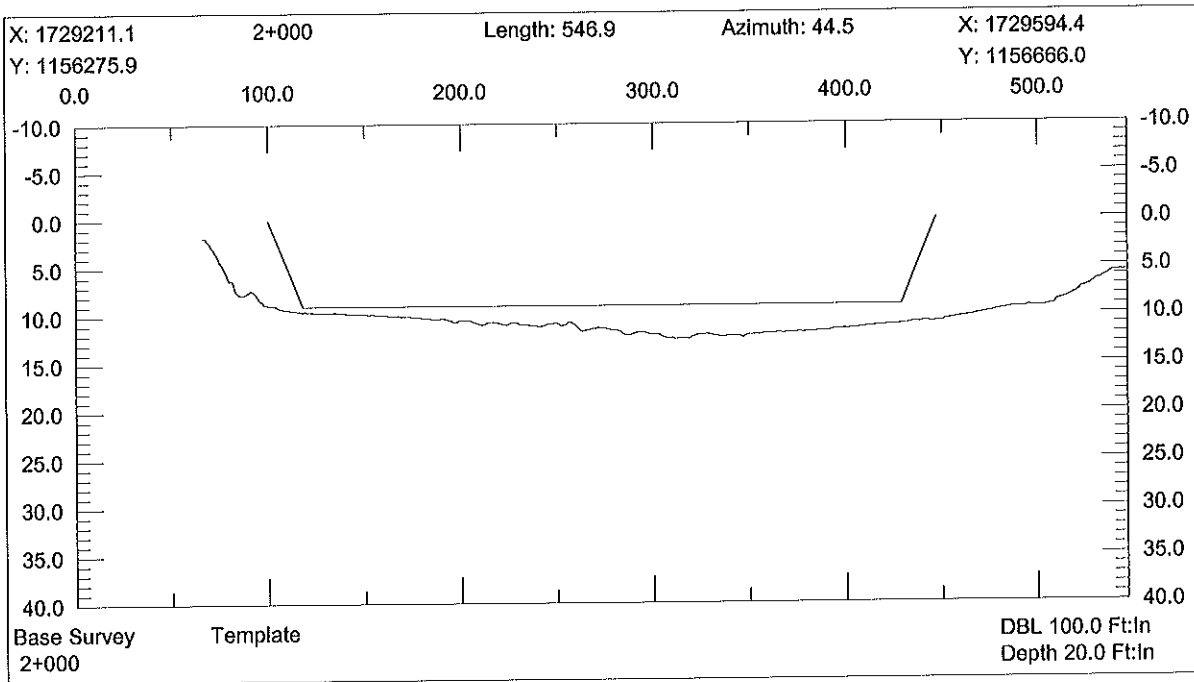
COLUMBUS POOL (MI 337 - 339)  
(X-S 174+000 - - 189+000)



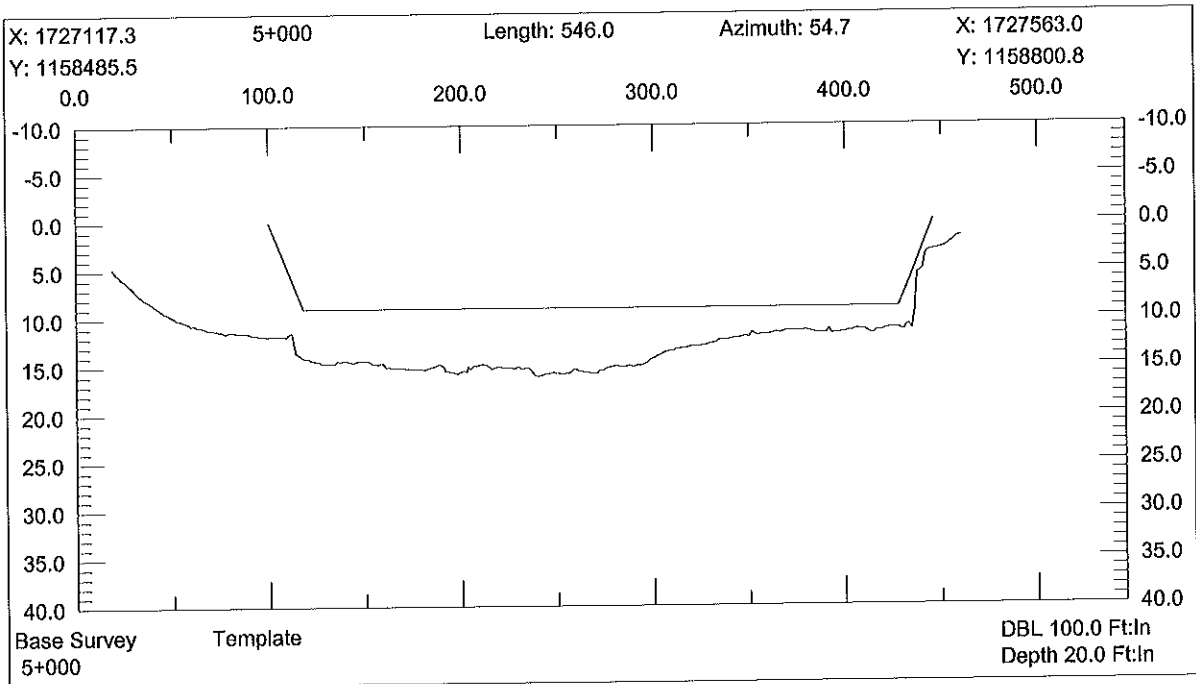
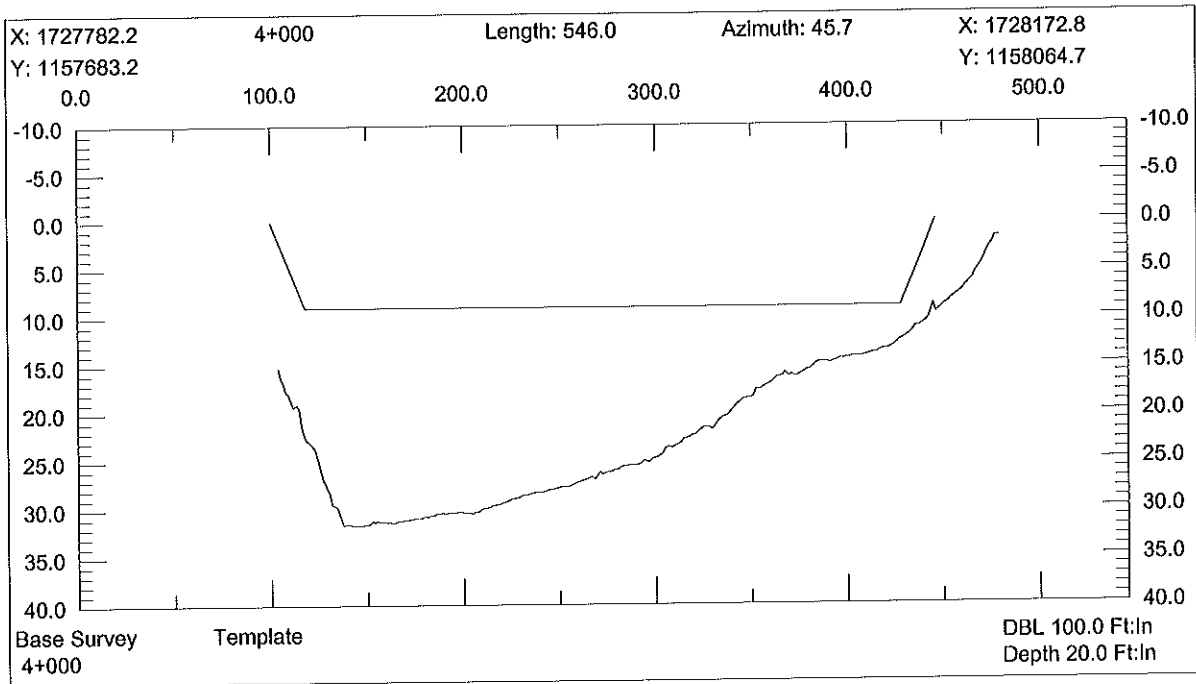
COLUMBUS POOL (MI 339-341)  
(X-5 189+000 - 195+000)



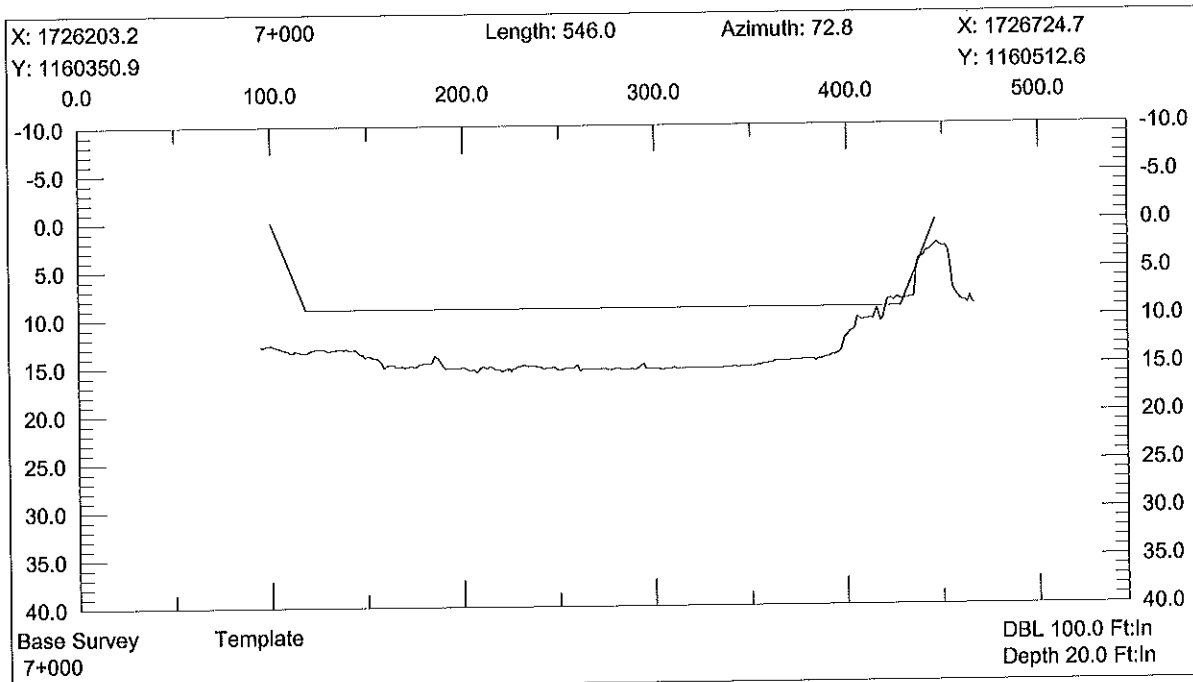
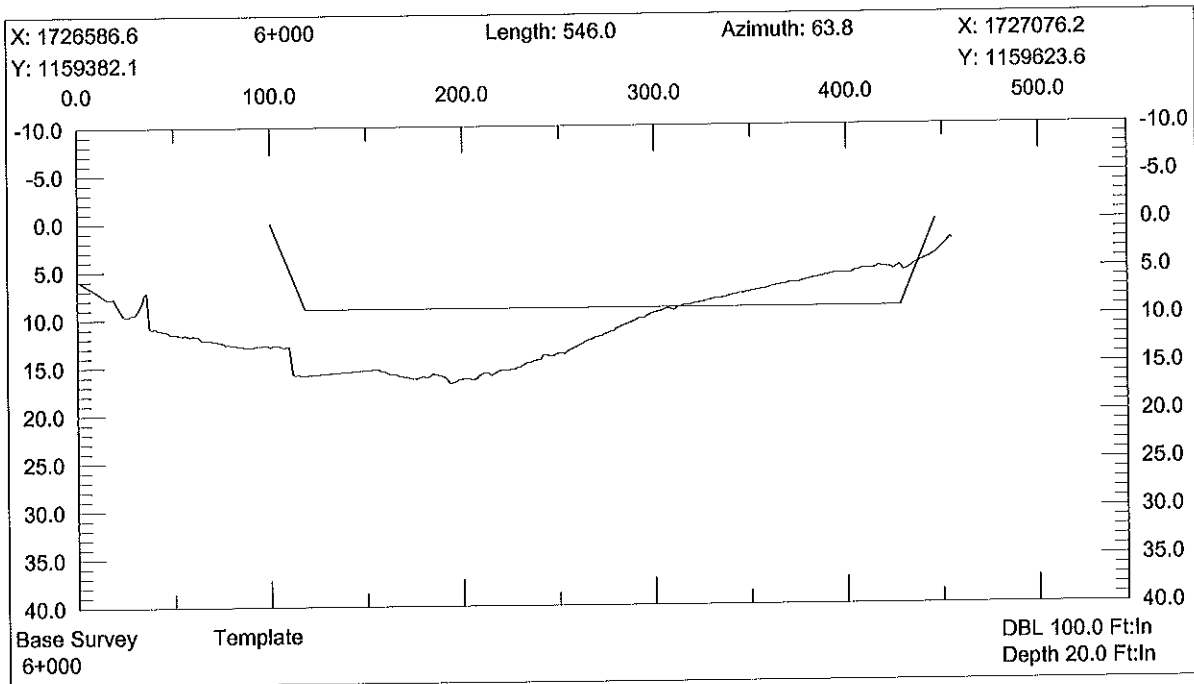
Sheet 1 Of 8	Base Survey
Project	Water Qualit
Job	
Area	Galnesville
Surveyor	USACE
Date	07-05-2005
File	H2O_1_1ft.log



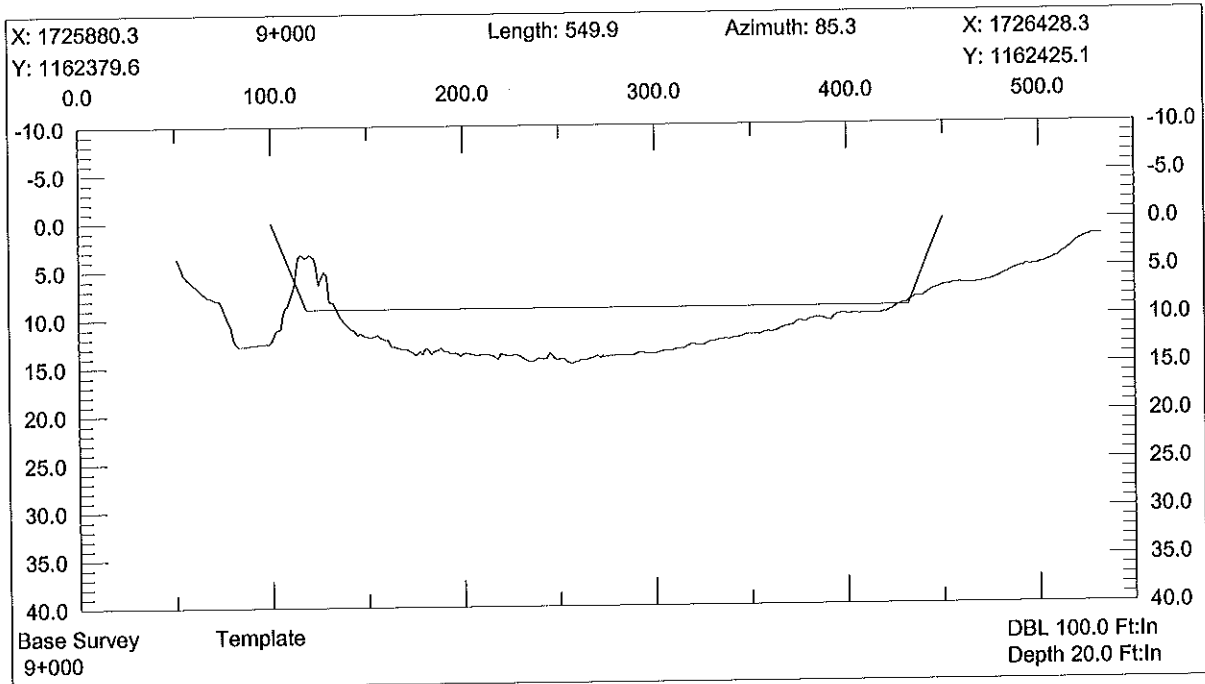
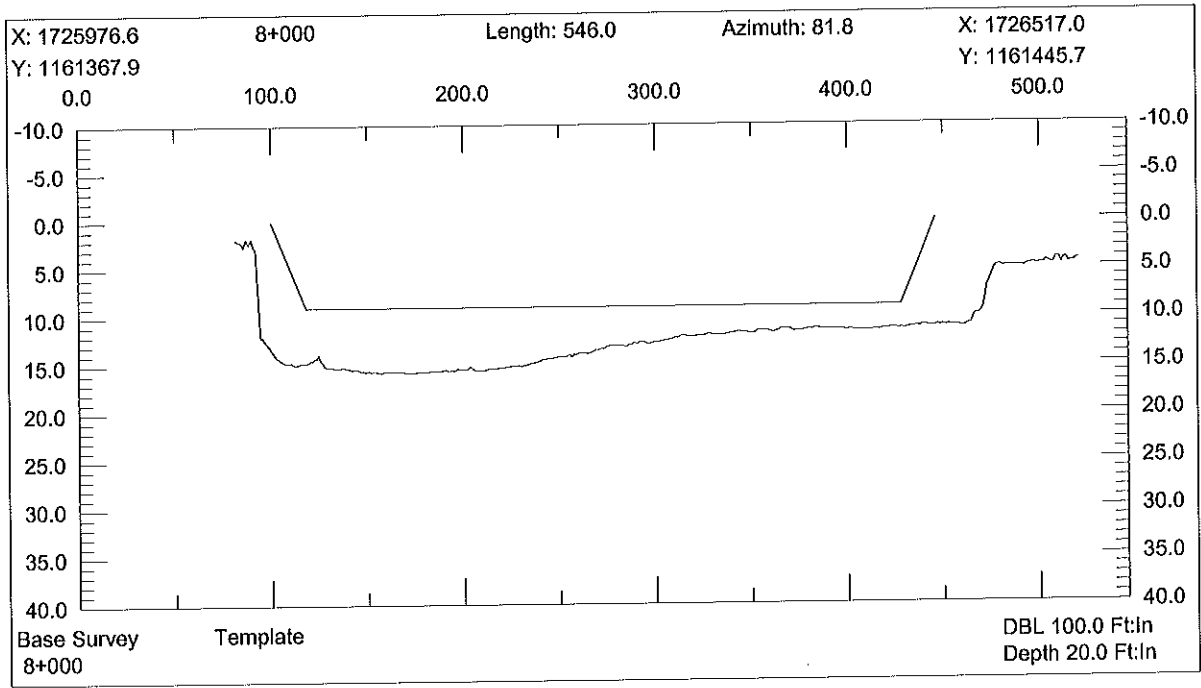
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Project	Water Qualit
Job	
Area	Gainesville
Surveyor	USACE
Date	07-05-2005
File	H2O_1_1ft.log



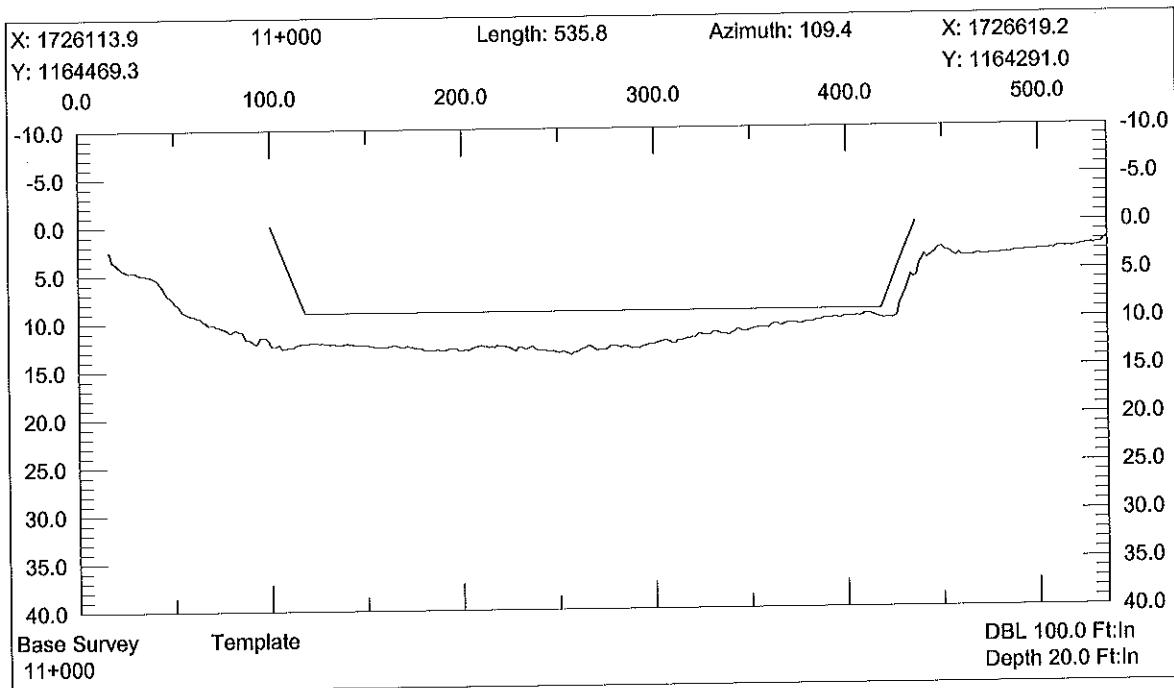
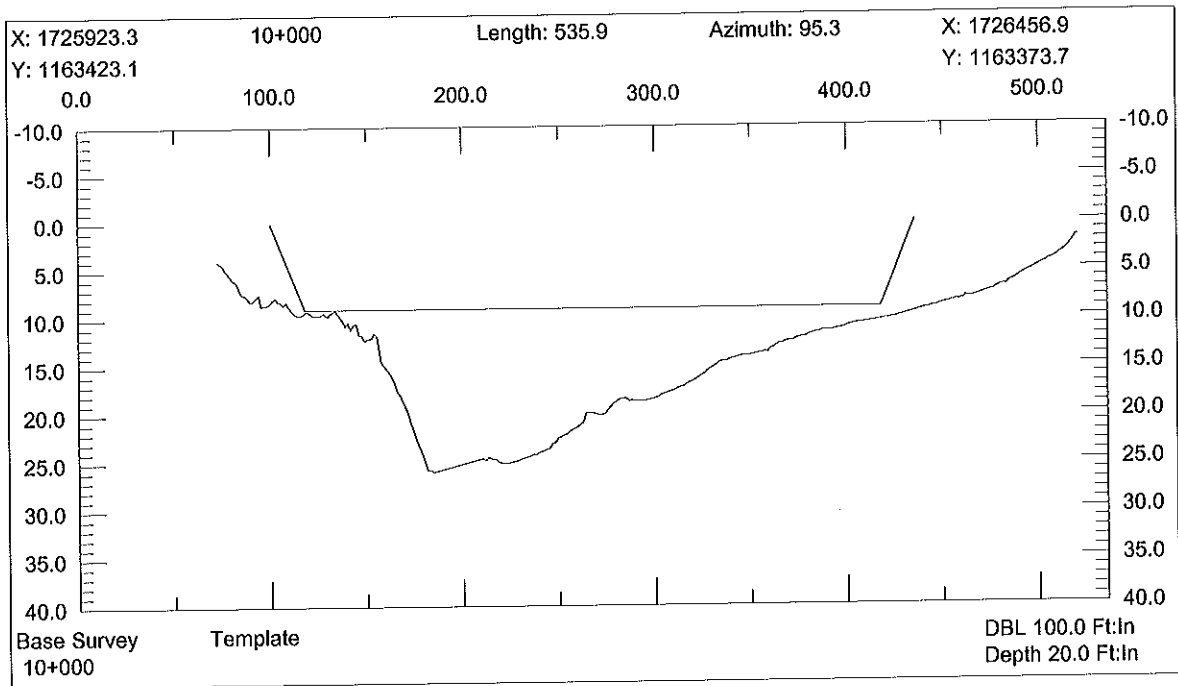
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Project	Water Qualit
Job	
Area	Gainesville
Surveyor	USACE
Date	07-05-2005
File	H2O_1_1ft.log



Sheet 4 Of 8	Base Survey
Project	Water Qualit
Job	
Area	Gainesville
Surveyor	USACE
Date	07-05-2005
File	H2O_1_1ft.log

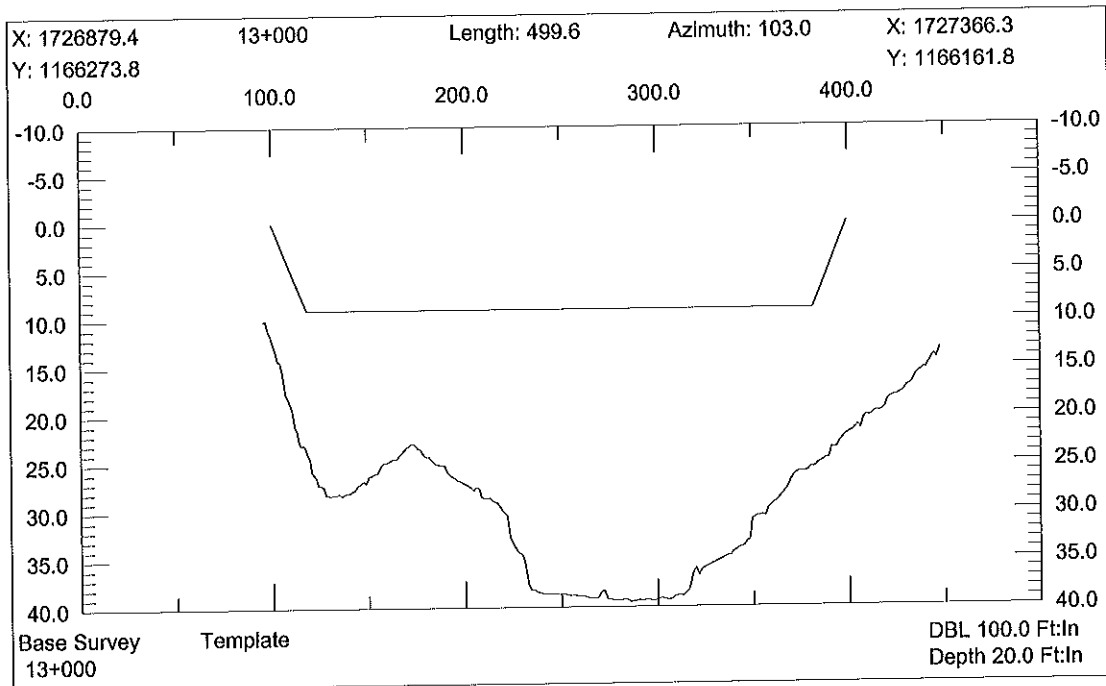
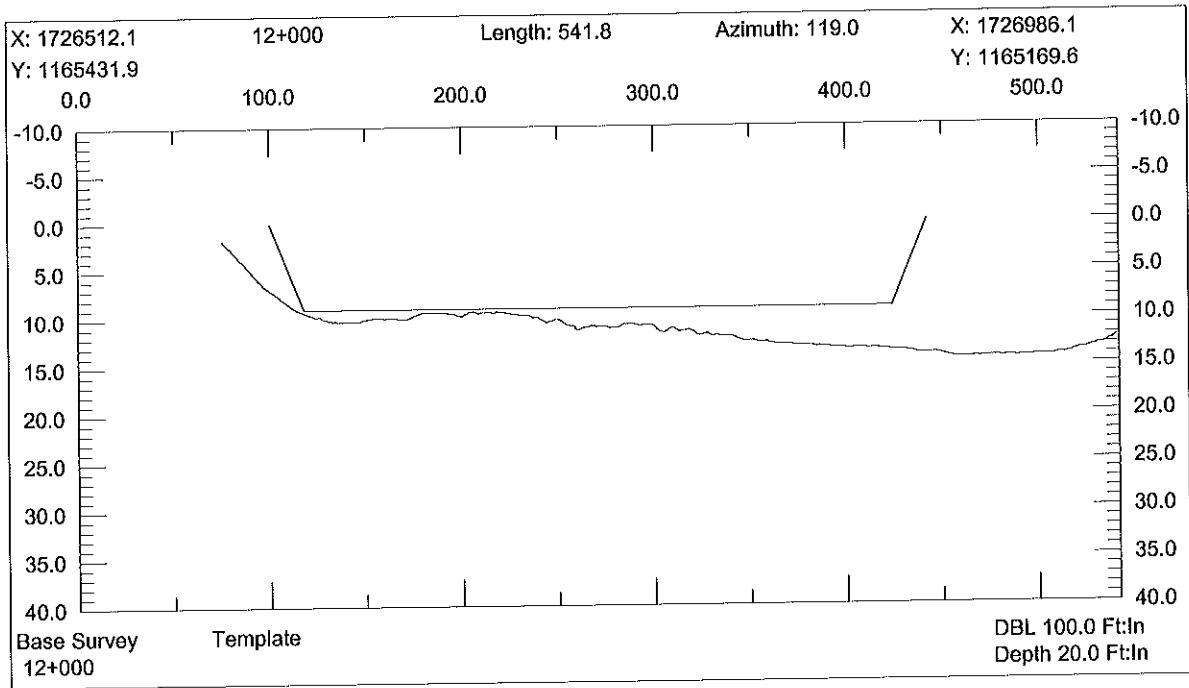


Sheet 5 Of 8	Base Survey
Project	Water Qualit
Job	
Area	Gainesville
Surveyor	USACE
Date	07-05-2005
File	H2O_1_1ft.log



Sheet 6 Of 8	Base Survey
Project	Water Qualit
Job	
Area	Gainesville
Surveyor	USACE
Date	07-05-2005
File	H2O_1_1ft.log

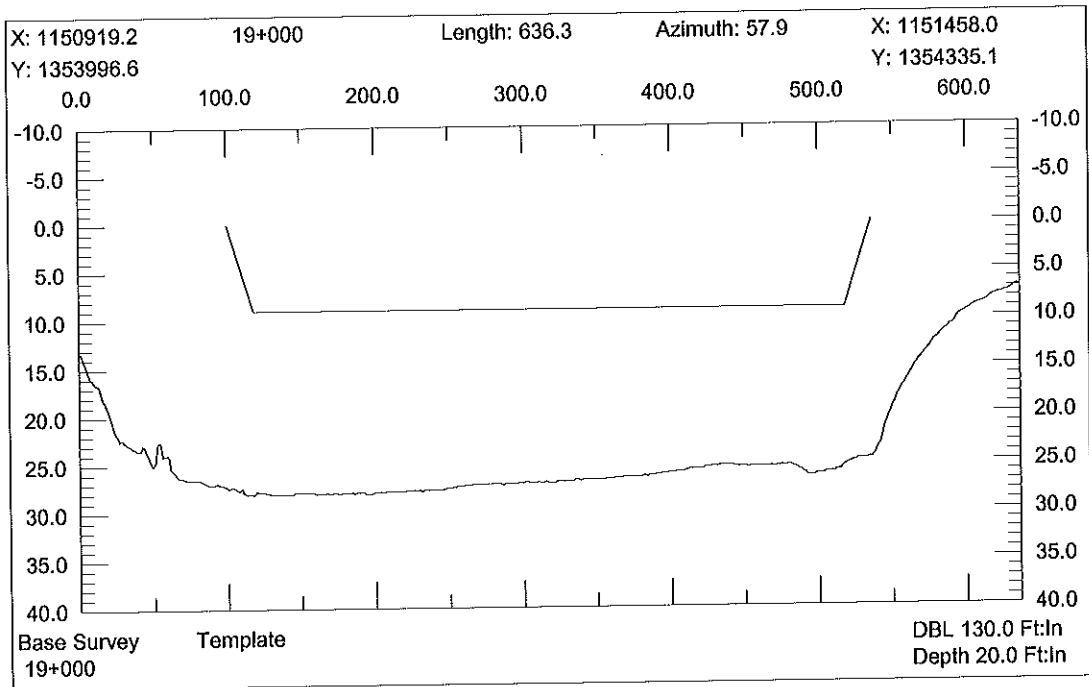
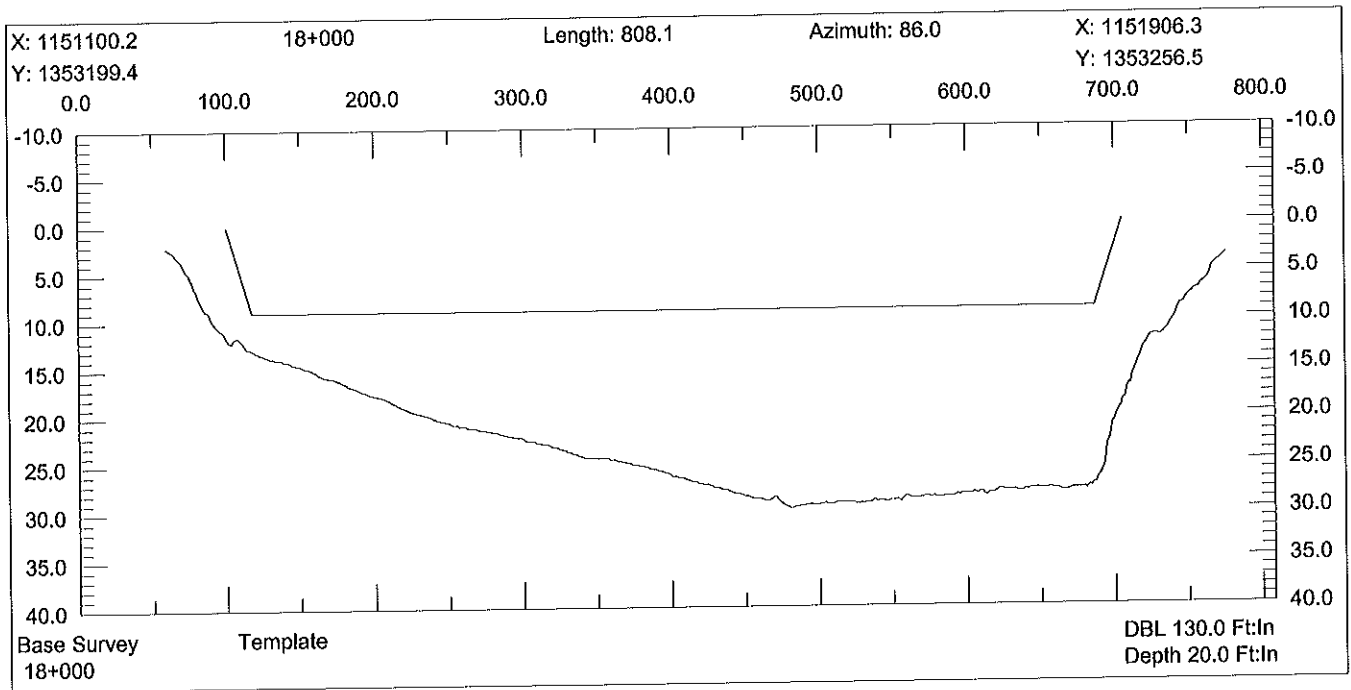




Sheet 7 Of 8	Base Survey
Project	Water Qualit
Job	
Area	Gainesville
Surveyor	USACE
Date	07-05-2005
File	H2O_1_1ft.log



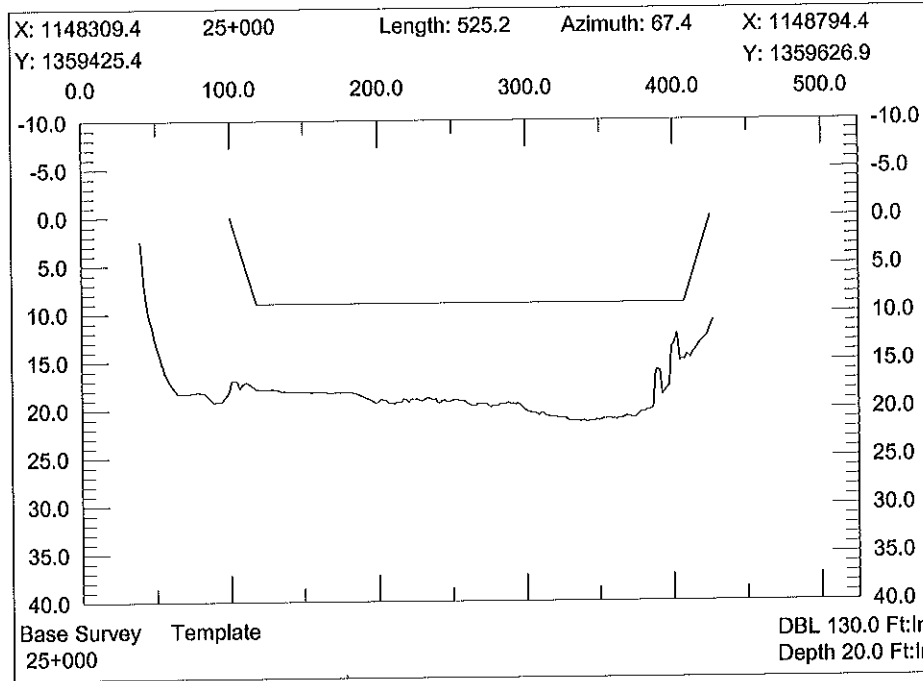
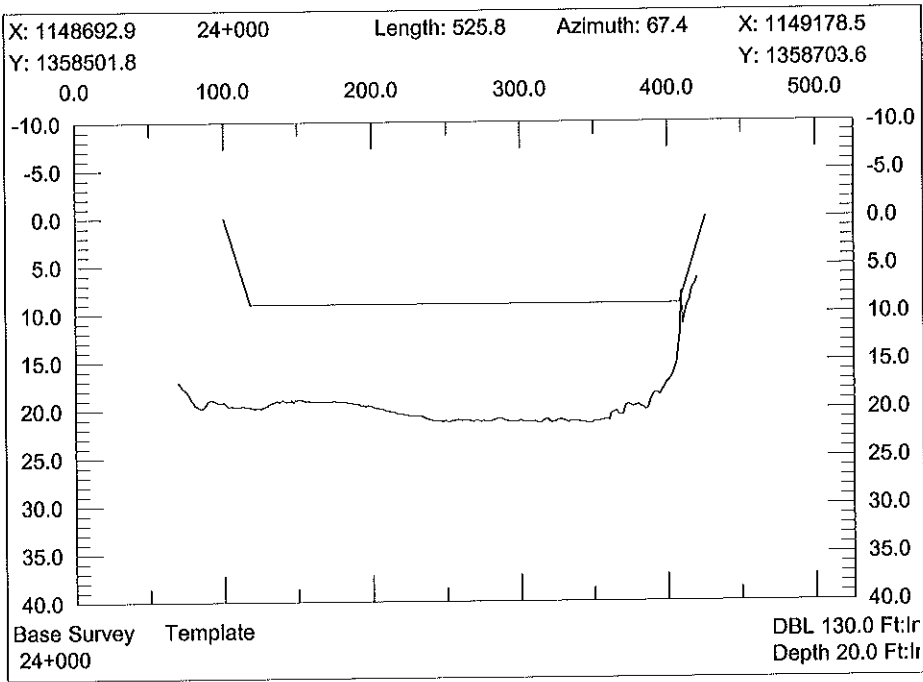




Sheet 2 Of 18	Base Survey
Project	Water Qualit
Job	
Area	Aliceville P
Surveyor	USACE
Date	06-28-2005
File	1ftSort.log







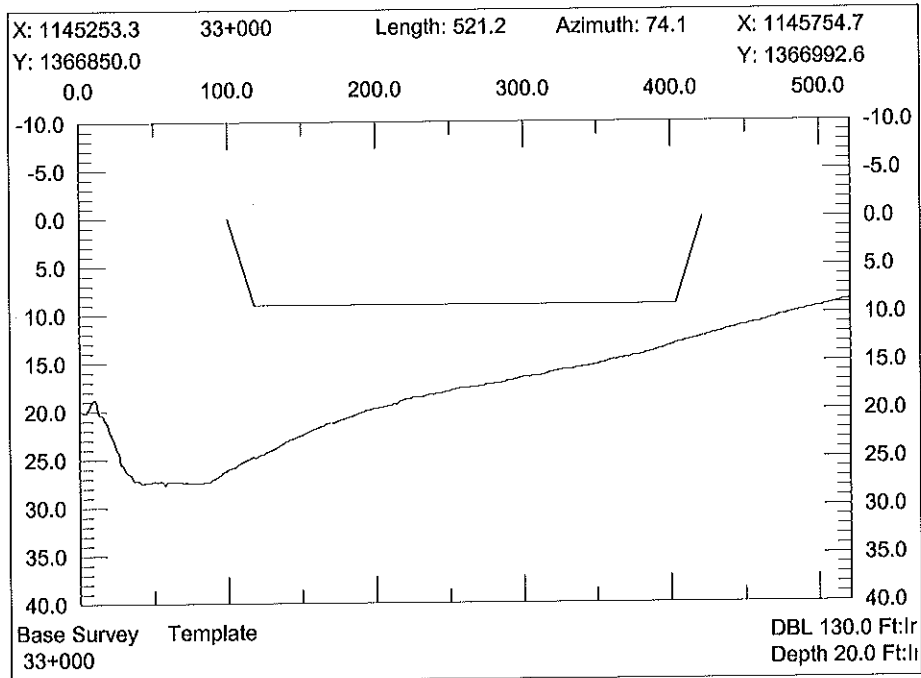
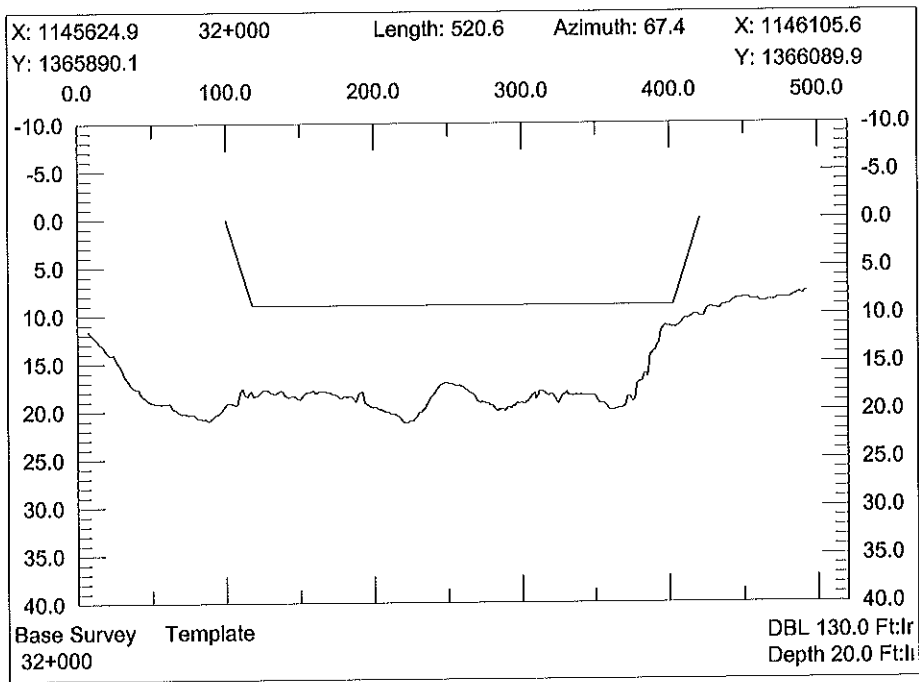
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Project	Water Qualit
Job	
Area	Aliceville P
Surveyor	USACE
Date	06-28-2005
File	1ftSort.log



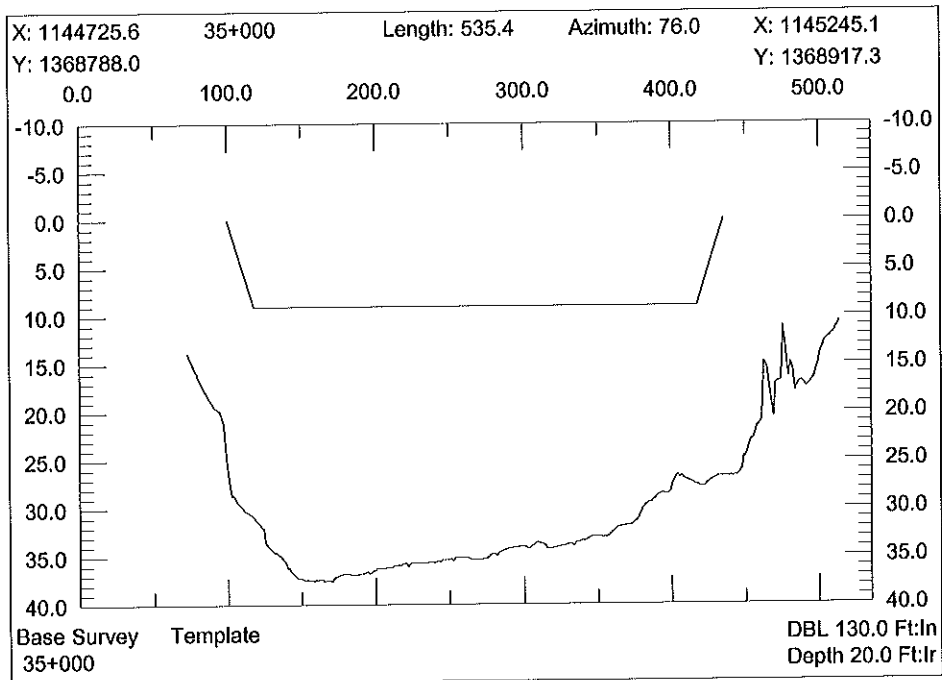
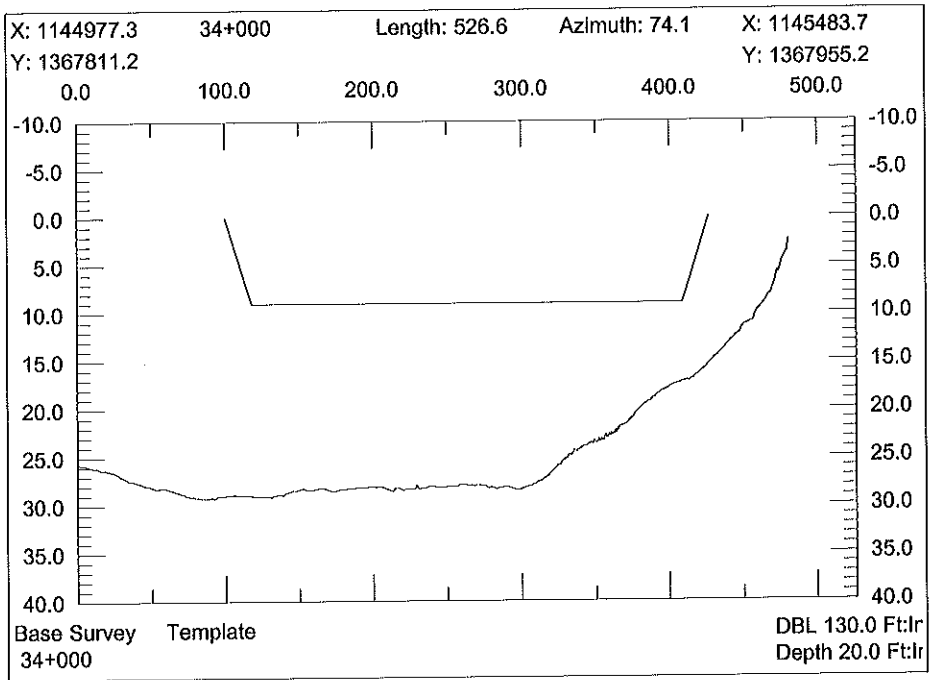




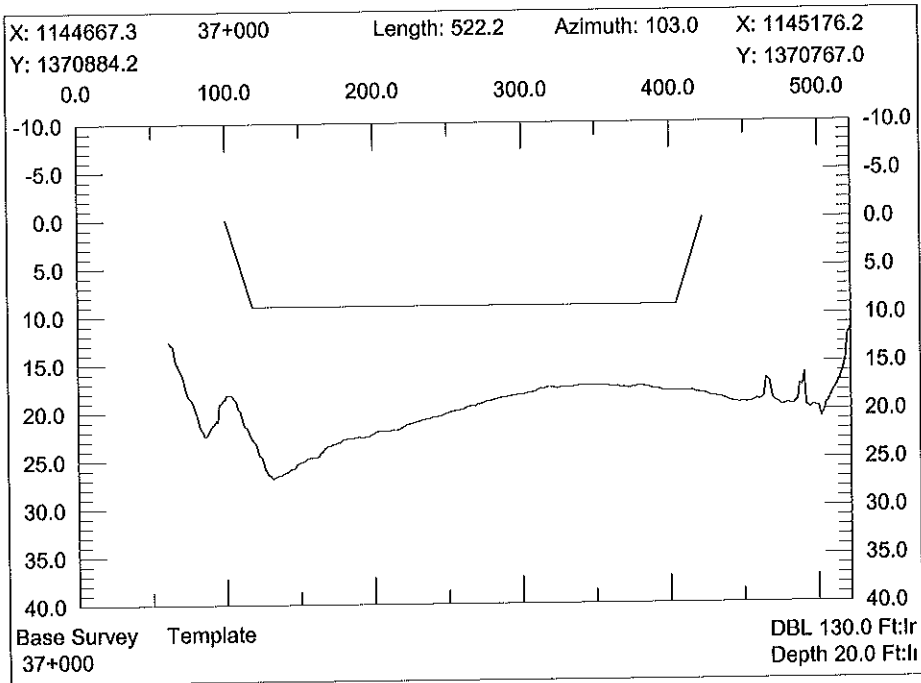
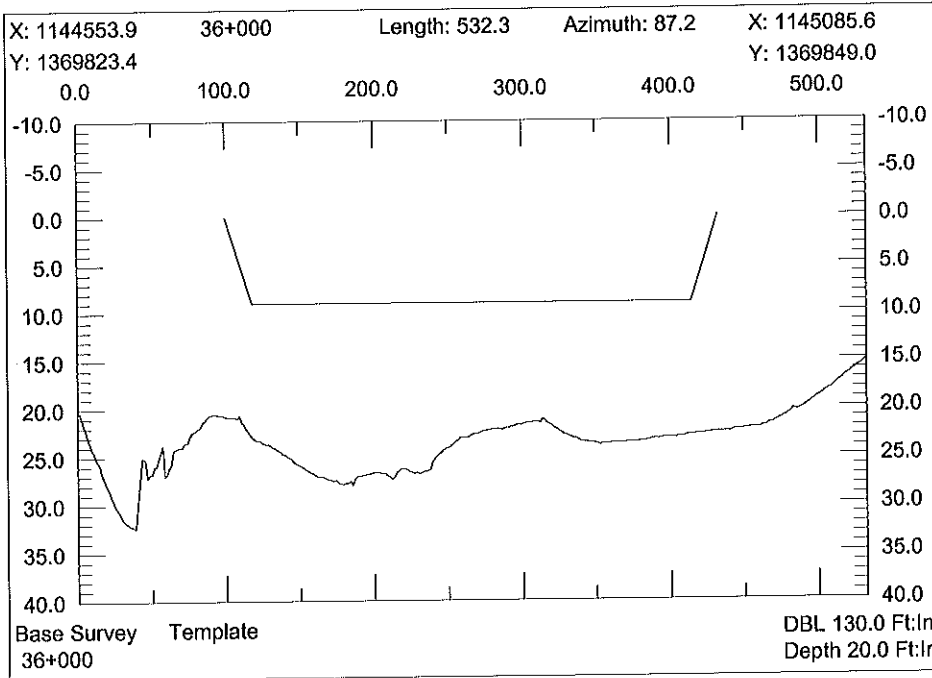




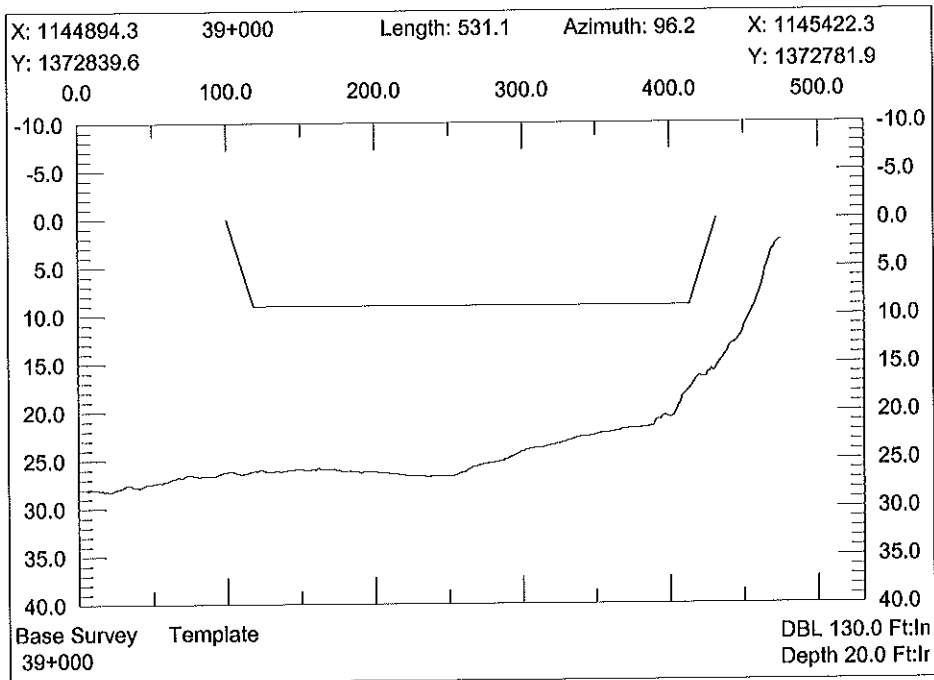
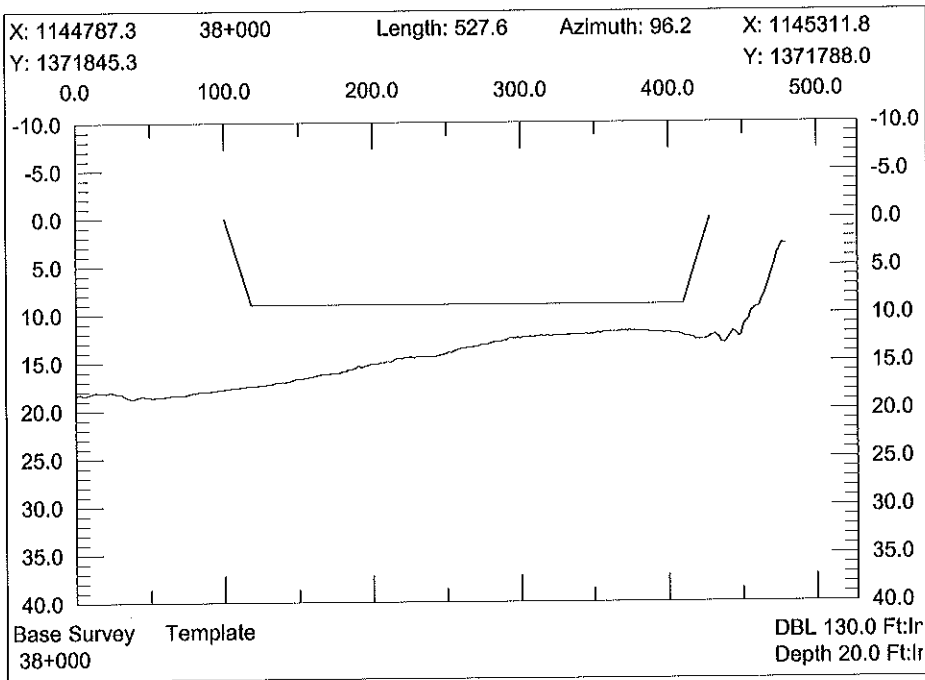
Sheet 9 Of 18	Base Survey
Project	Water Qualit
Job	
Area	Allceville P
Surveyor	USACE
Date	06-28-2005
File	1ftSort.log



Sheet 10 Of 18	Base Survey
Project	Water Qualit
Job	
Area	Aliceville P
Surveyor	USACE
Date	06-28-2005
File	1ftSort.log

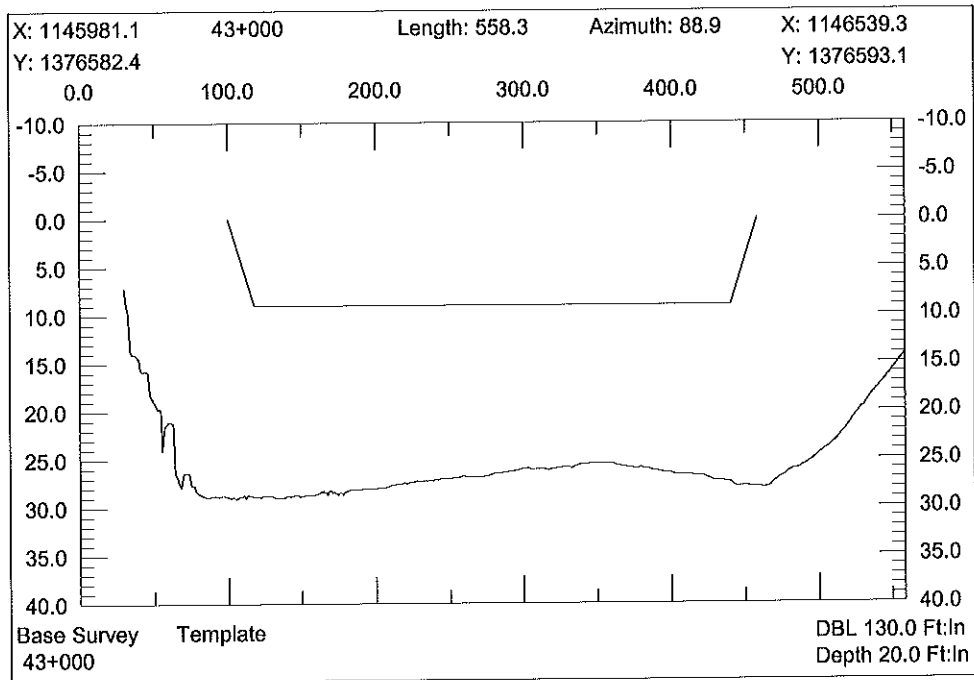
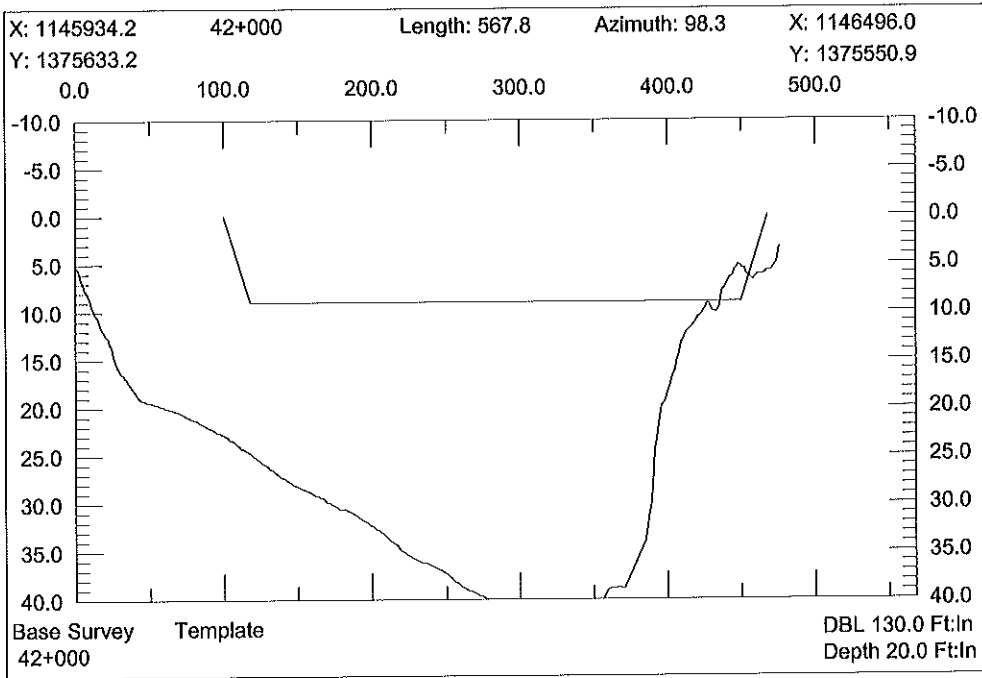


Sheet 11 Of 18	Base Survey
Project	Water Qualit
Job	
Area	Aliceville P
Surveyor	USACE
Date	06-28-2005
File	1ftSort.log



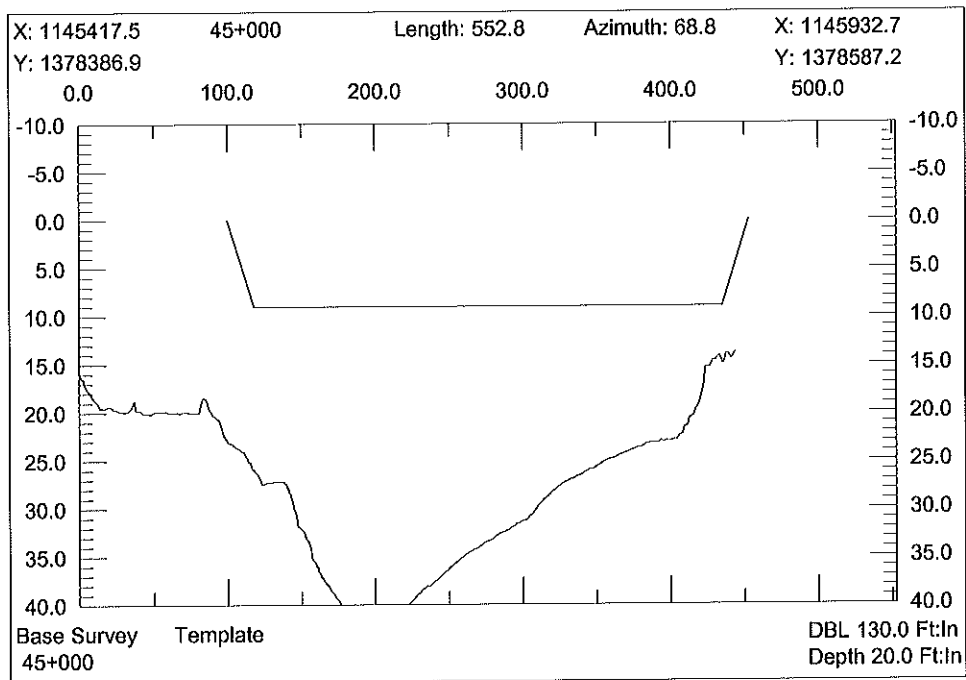
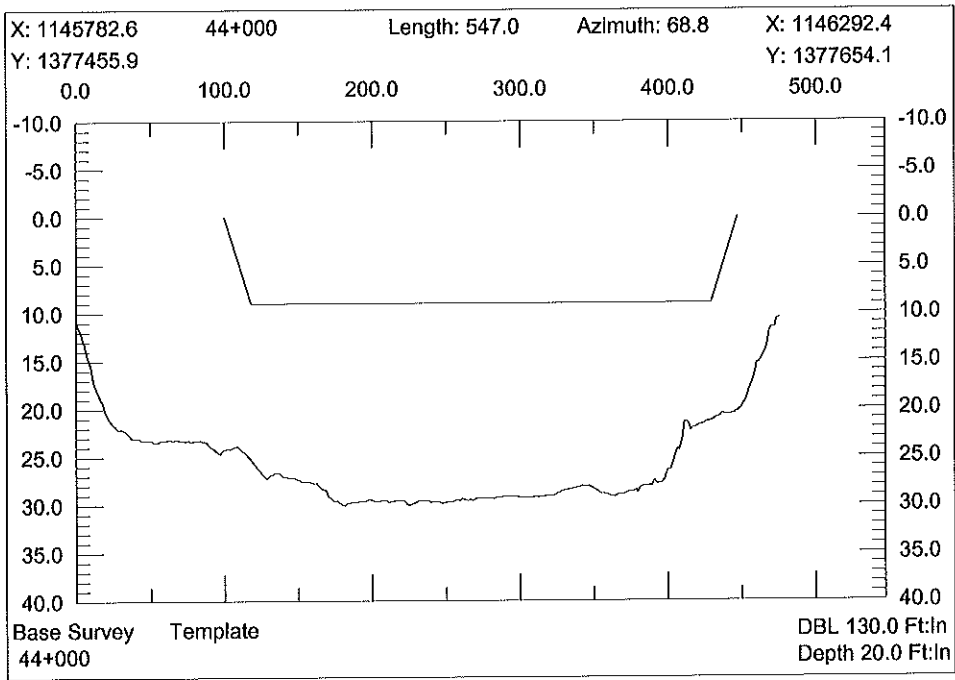
Sheet 12 Of 18	Base Survey
Project	Water Qualit
Job	
Area	Aliceville P
Surveyor	USACE
Date	06-28-2005
File	1ftSort.log





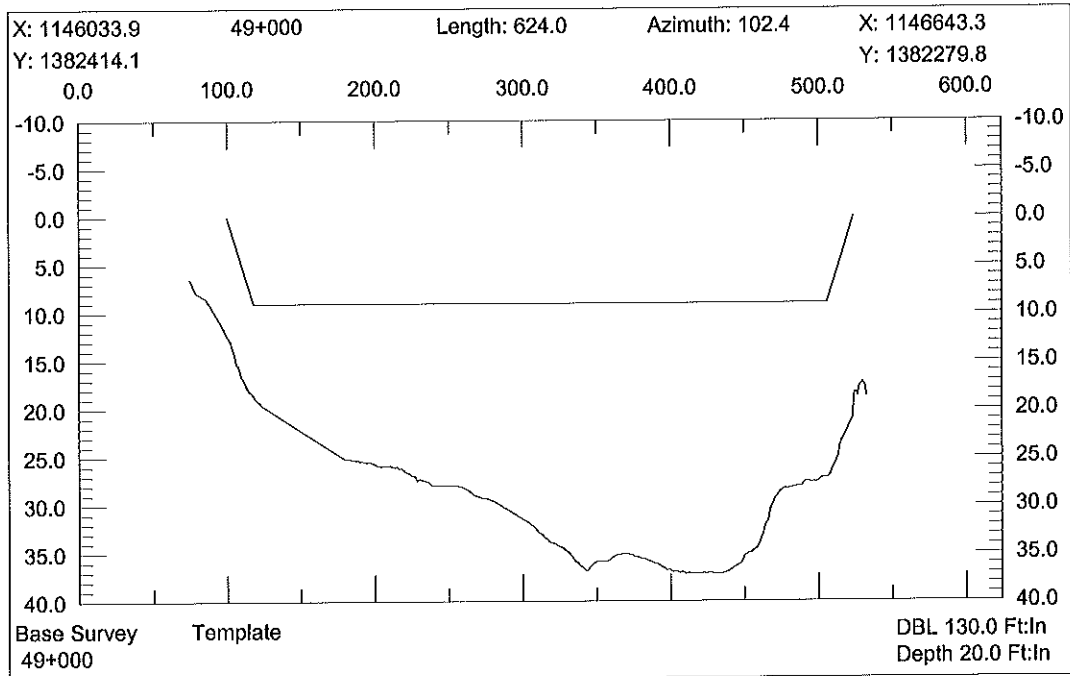
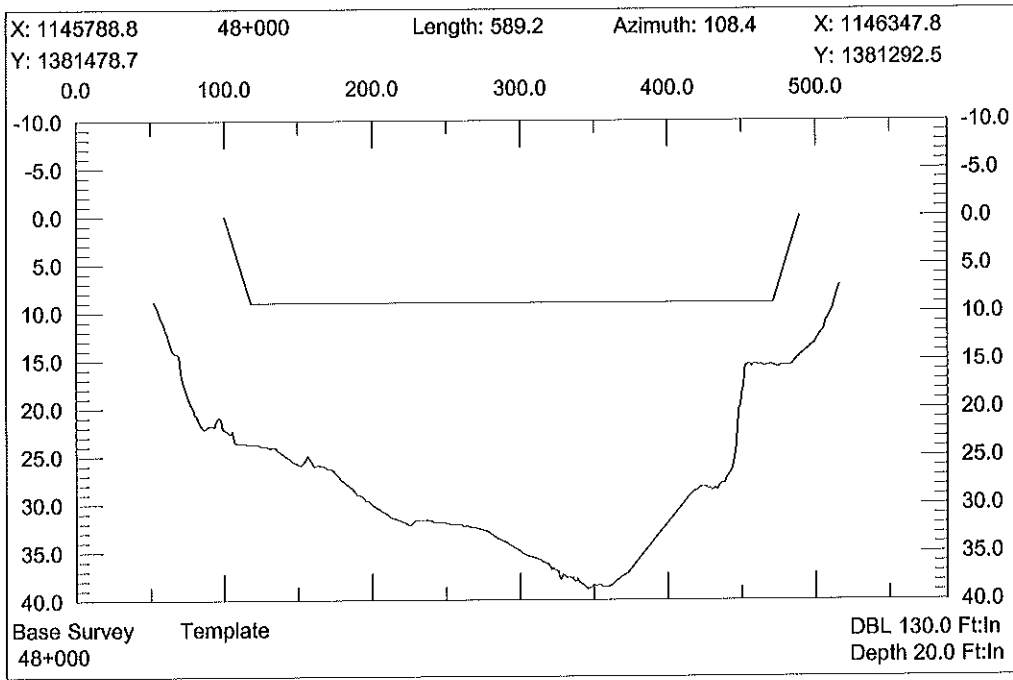
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Project	Water Qualit
Job	
Area	Aliceville P
Surveyor	USACE
Date	06-28-2005
File	1ftSort.log



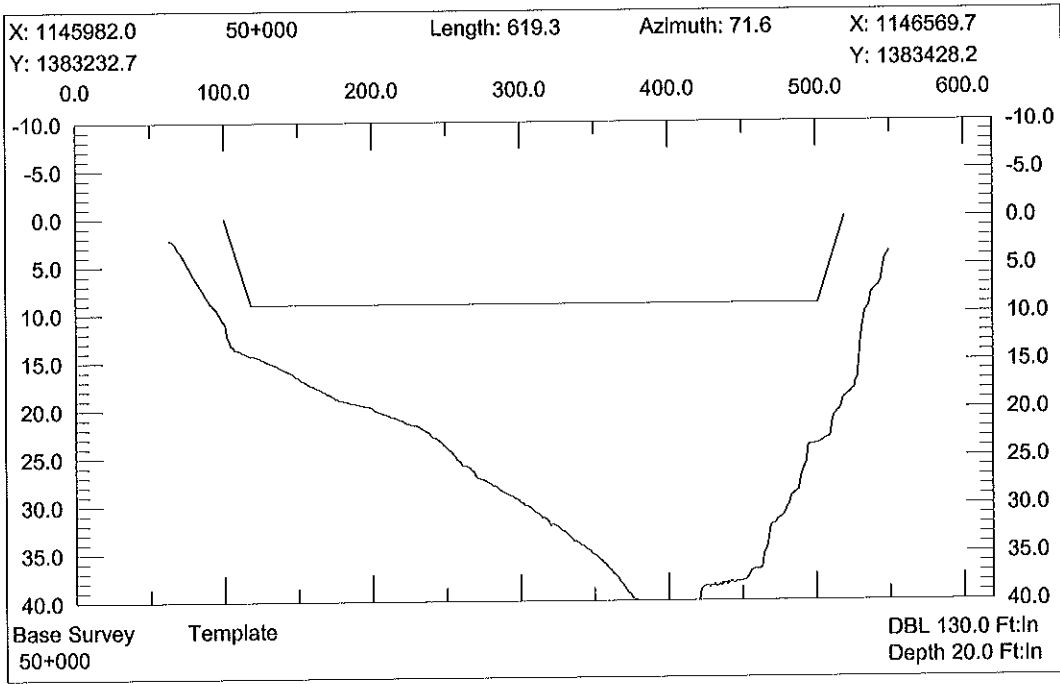


Sheet 15 Of 18	Base Survey
Project	Water Qualit
Job	
Area	Aliceville P
Surveyor	USACE
Date	06-28-2005
File	1ftSort.log

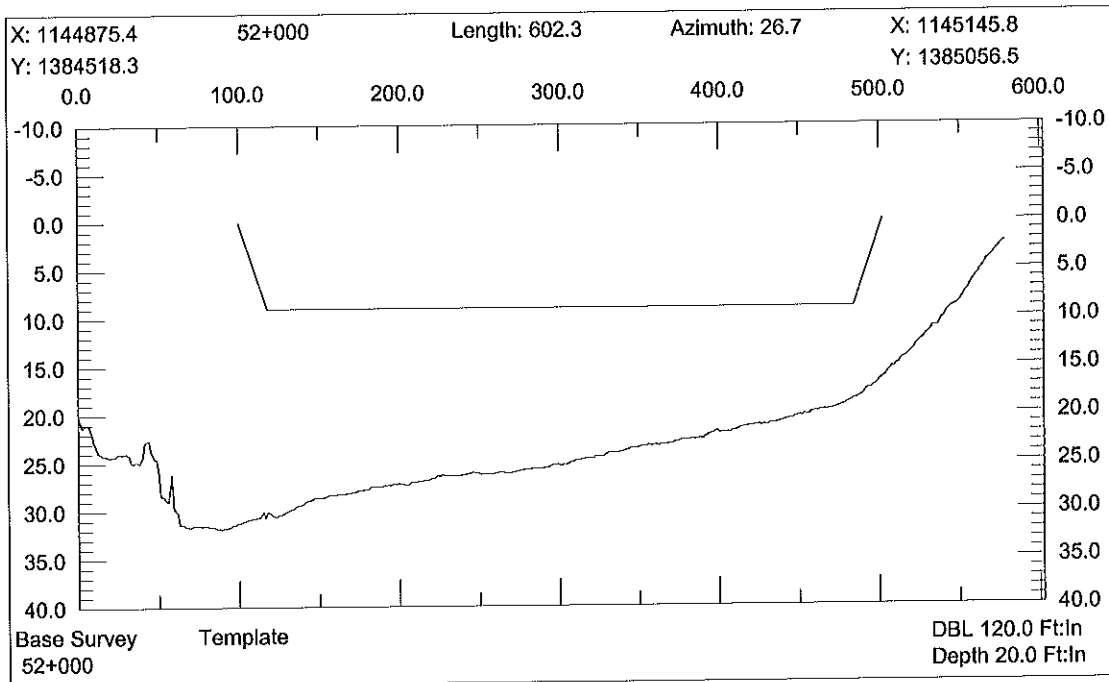
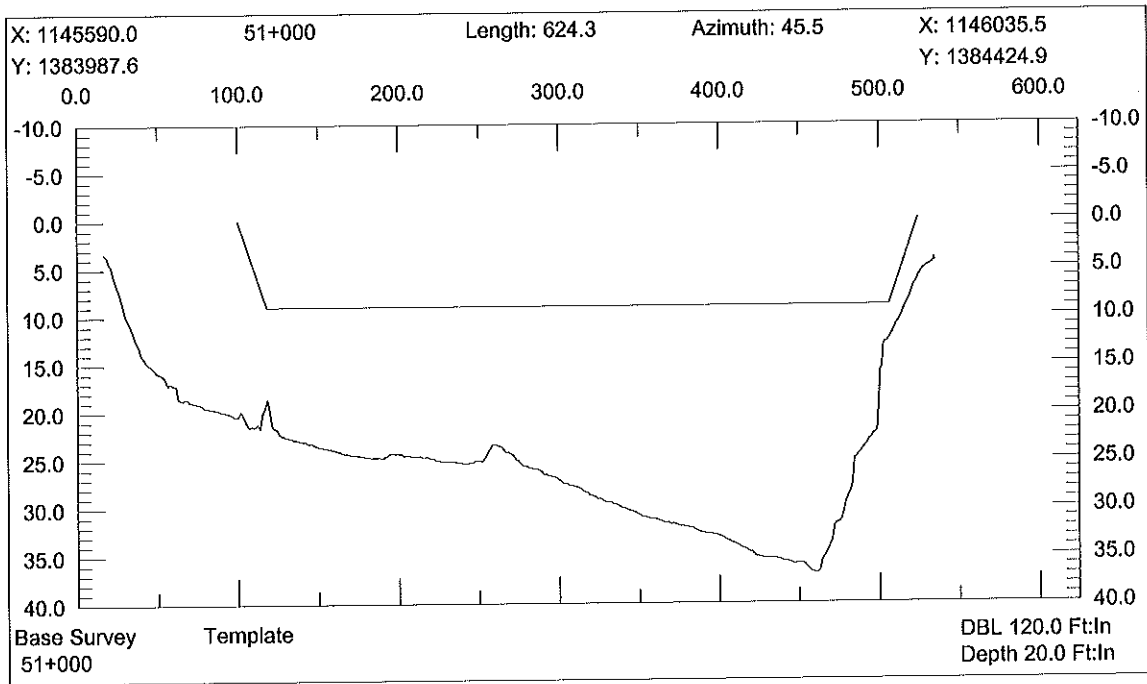




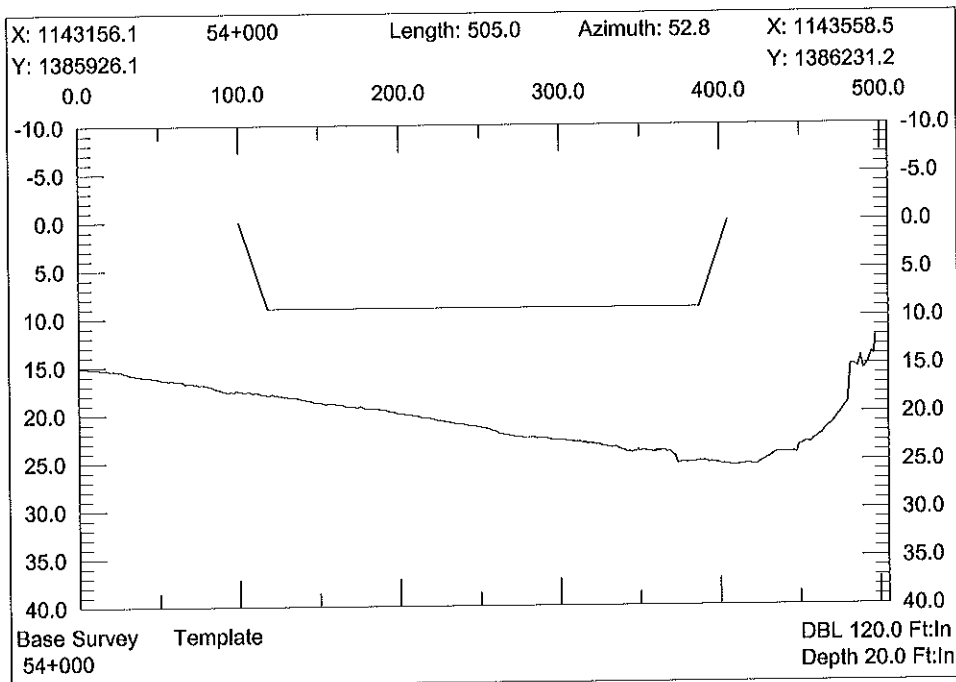
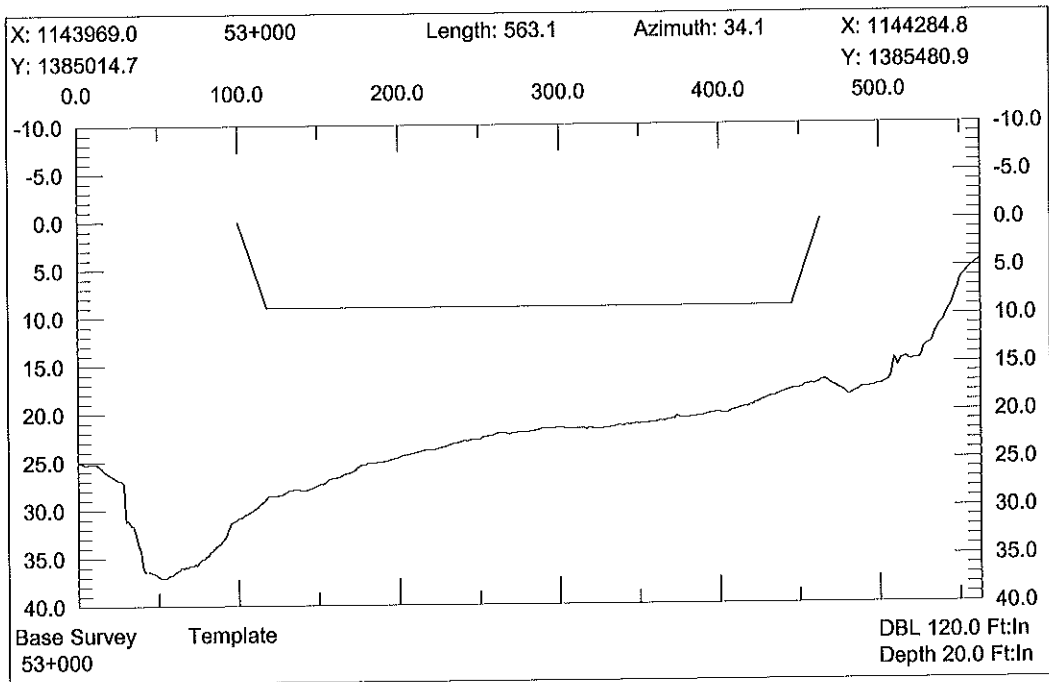
Sheet 17 Of 18	Base Survey
Project	Water Qualit
Job	
Area	Aliceville P
Surveyor	USACE
Date	06-28-2005
File	1ftSort.log



Sheet 18 Of 18	Base Survey
Project	Water Qualit
Job	
Area	Aliceville P
Surveyor	USACE
Date	06-28-2005
File	1ftSort.log



Sheet 1 Of 37	Base Survey
Project	Water Qualit
Job	
Area	Aliceville P
Surveyor	USACE
Date	07-05-2005
File	WQ2d_1ft.log



Sheet 2 Of 37	Base Survey
Project	Water Qualit
Job	
Area	Aliceville P
Surveyor	USACE
Date	07-05-2005
File	WQ2d_1ft.log

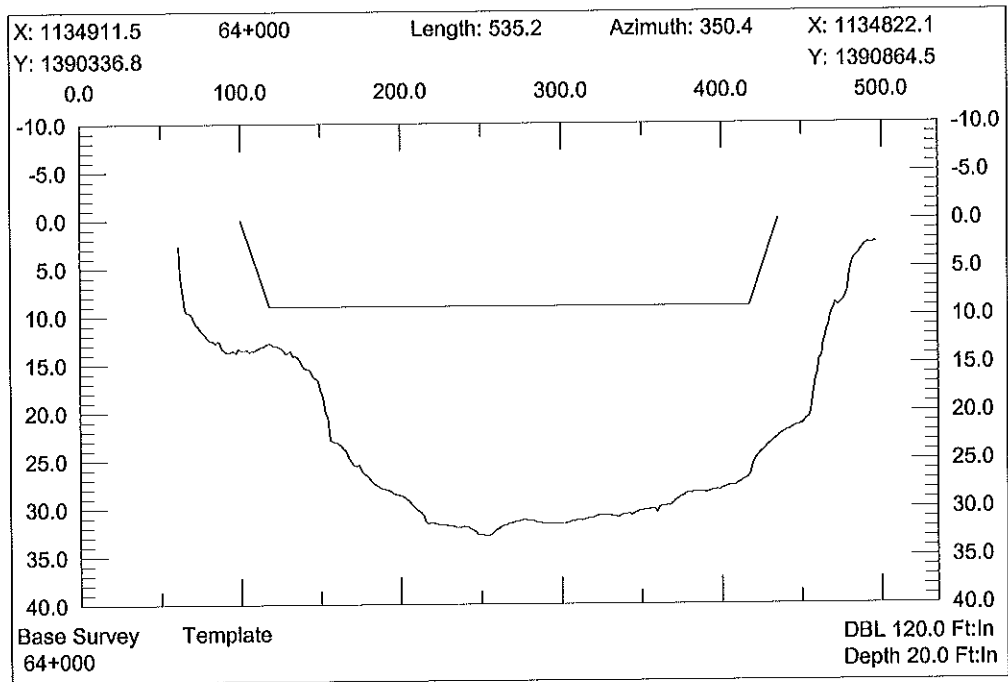
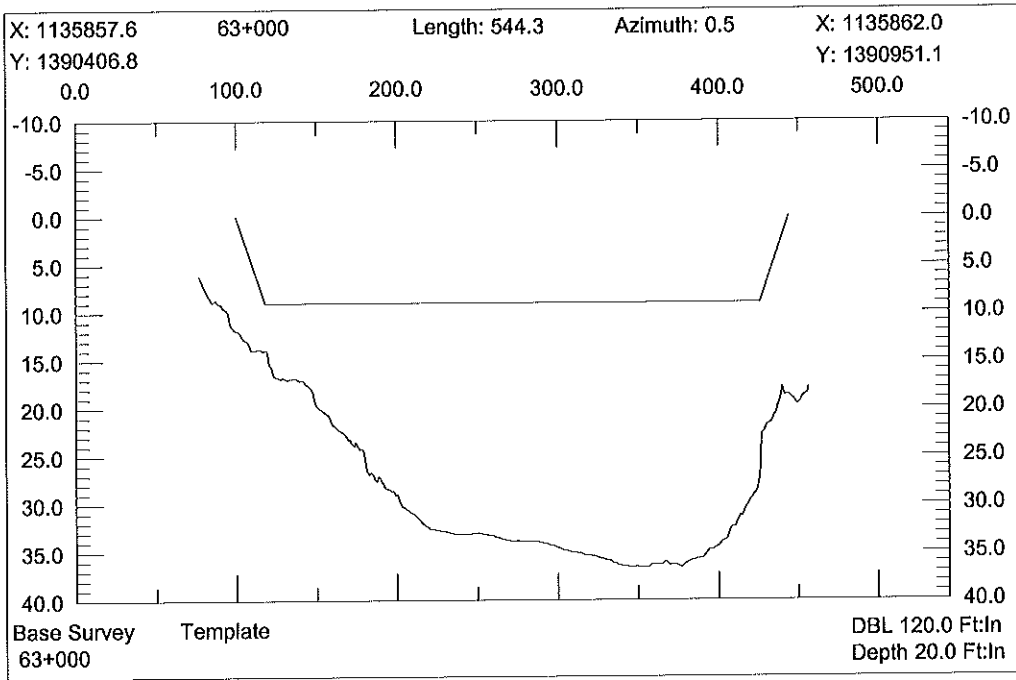




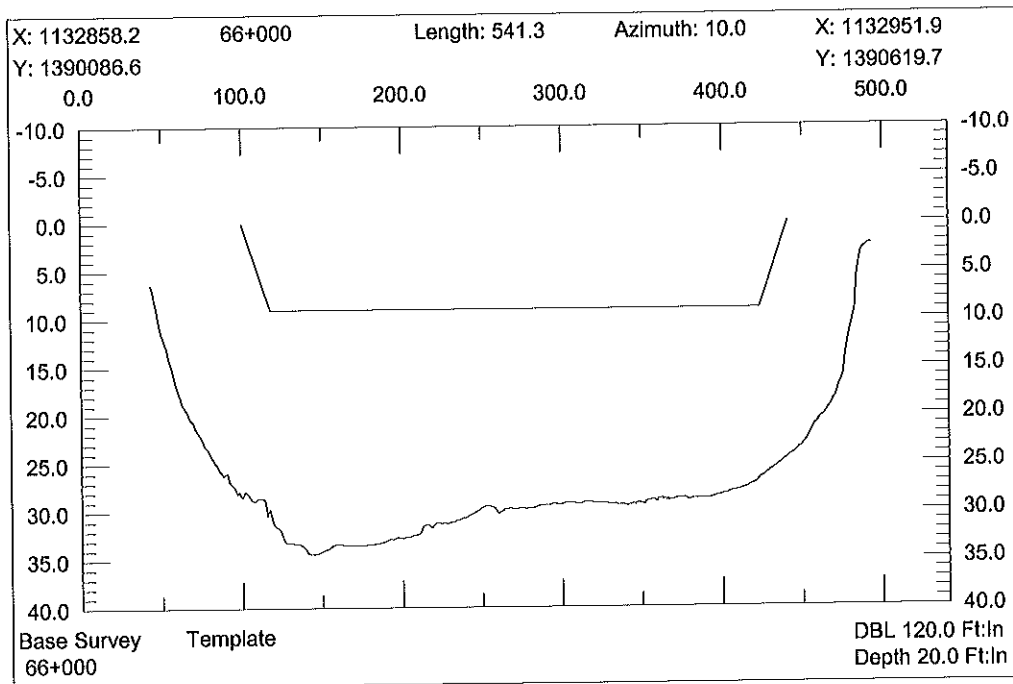
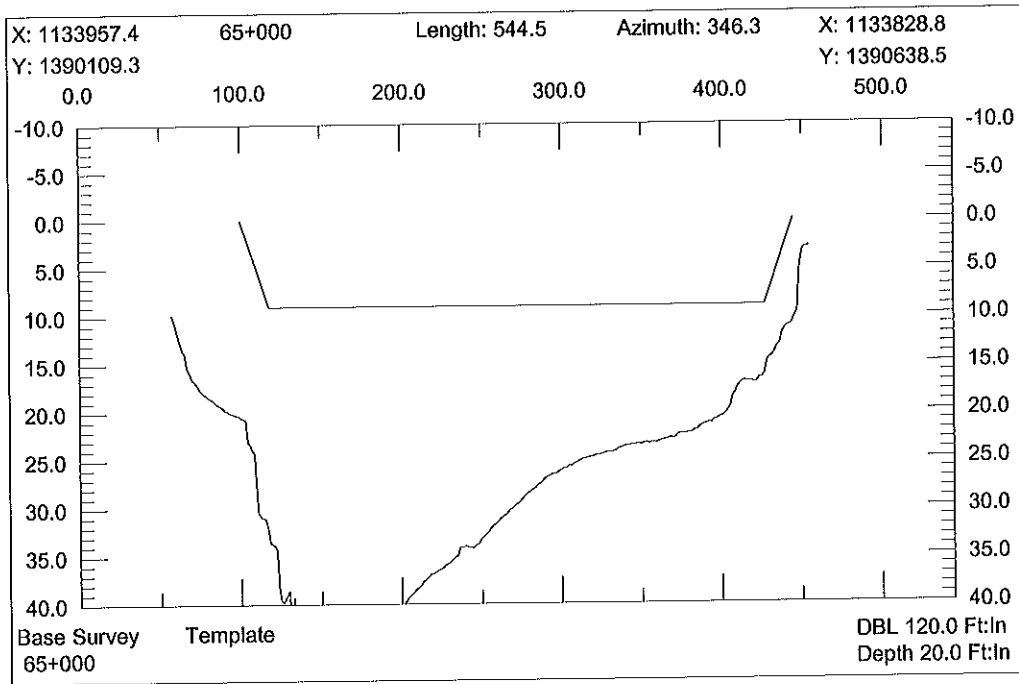




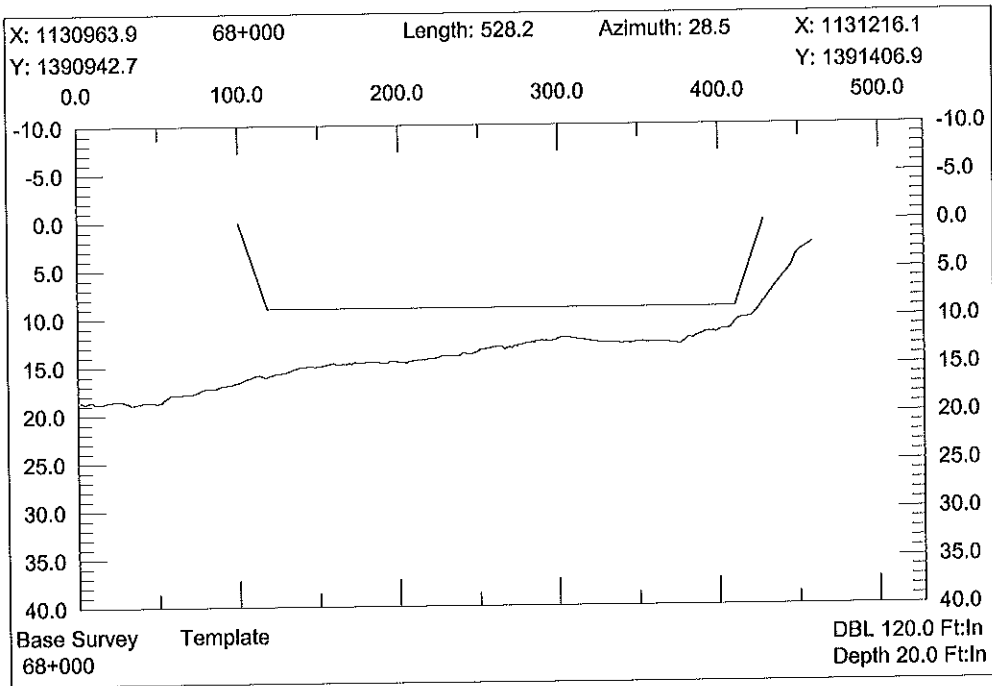
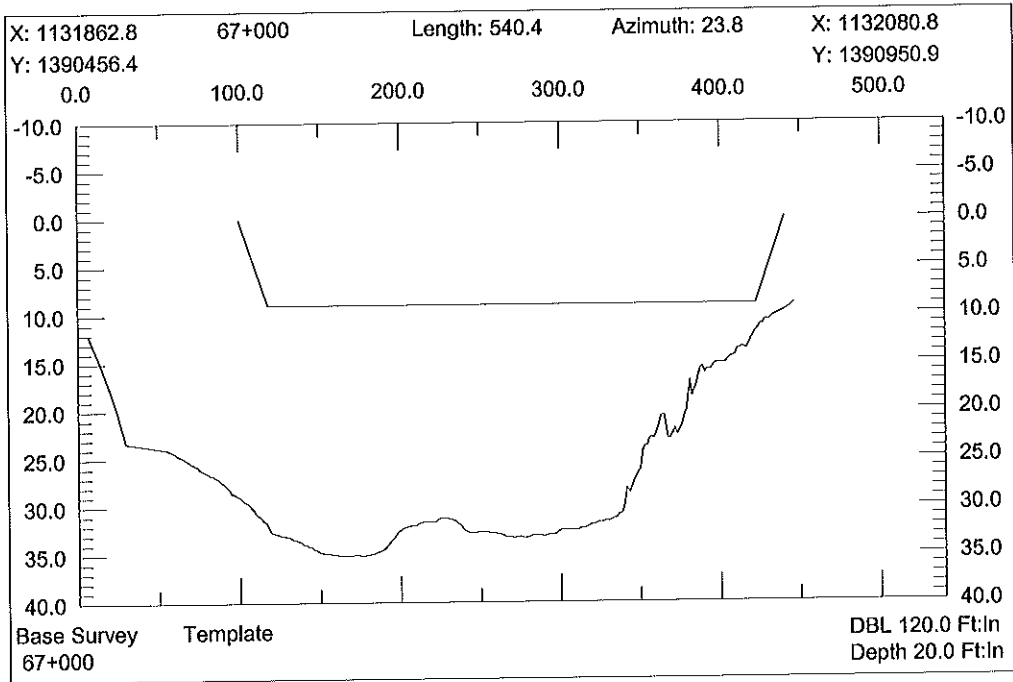




Sheet 7 Of 37	Base Survey
Project	Water Quallt
Job	
Area	Aliceville P
Surveyor	USACE
Date	07-05-2005
File	WQ2d_1ft.log

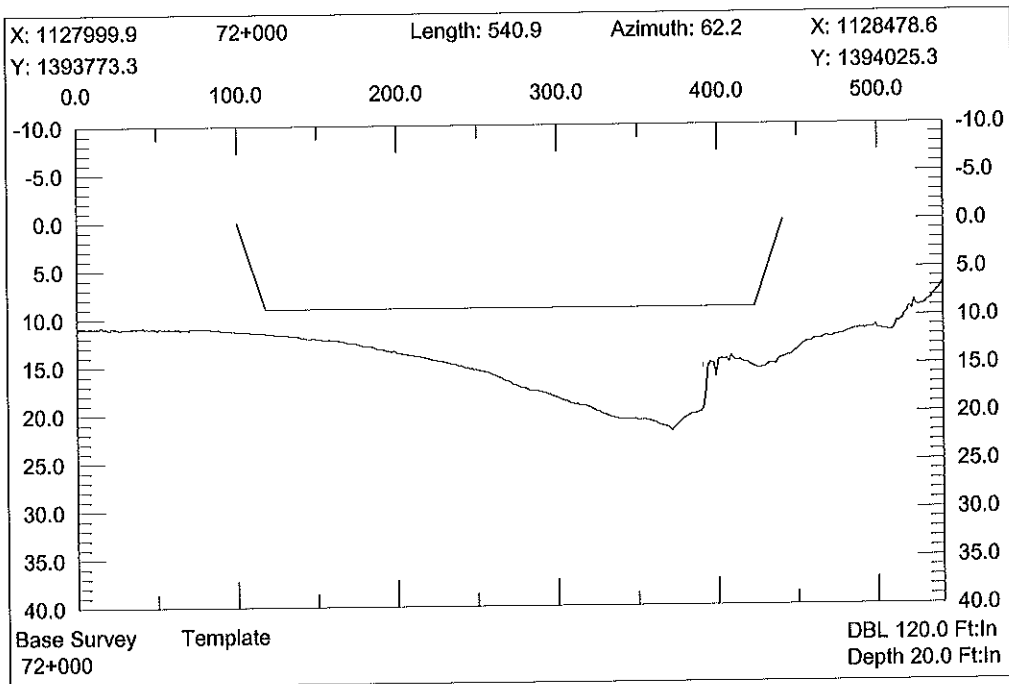
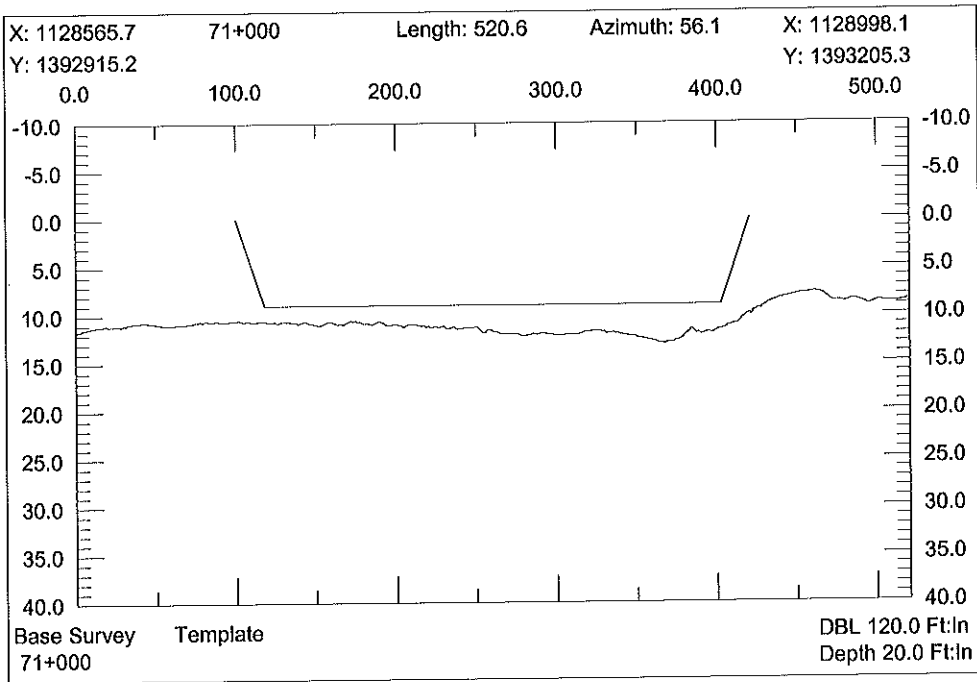


Sheet 8 Of 37	Base Survey
Project	Water Qualit
Job	
Area	Aliceville P
Surveyor	USACE
Date	07-05-2005
File	WQ2d_1ft.log

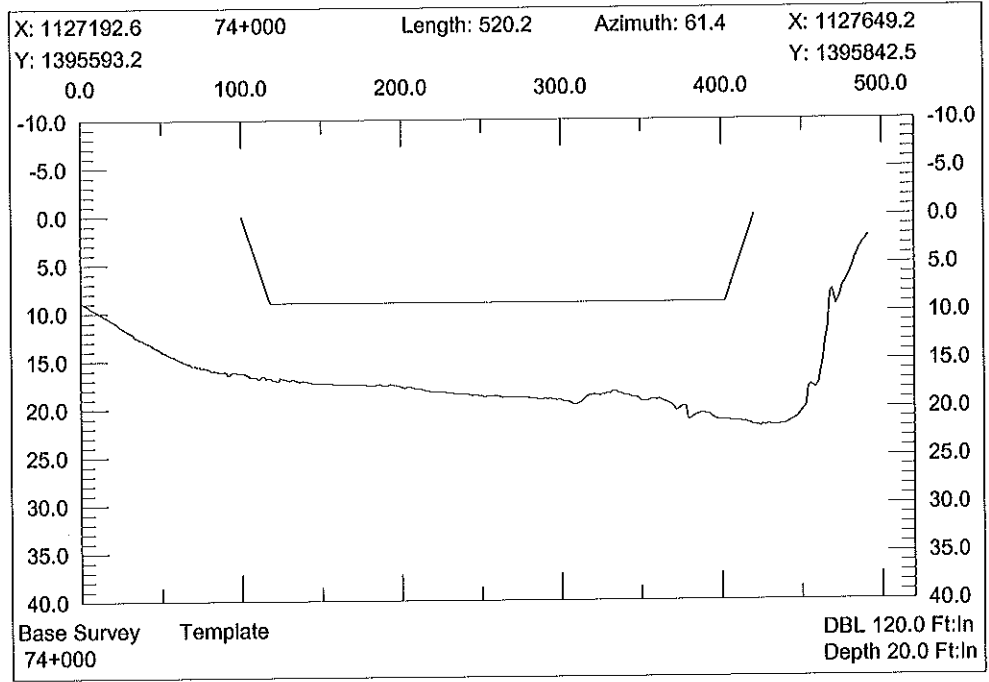
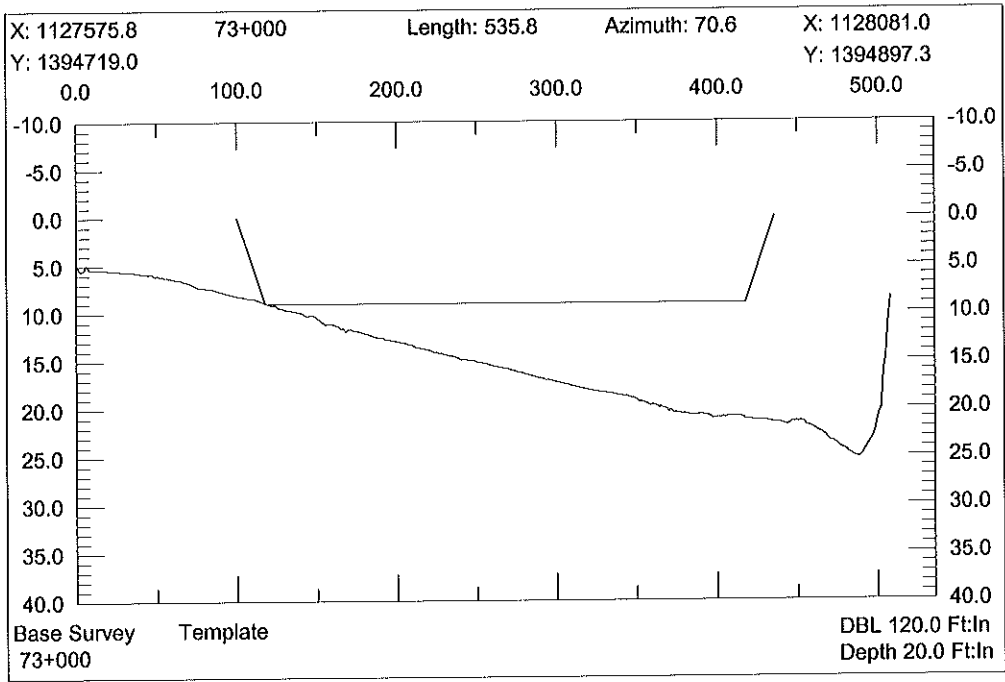


Sheet 9 Of 37	Base Survey
Project	Water Qualit
Job	
Area	Aliceville P
Surveyor	USACE
Date	07-05-2005
File	WQ2d_1ft.log



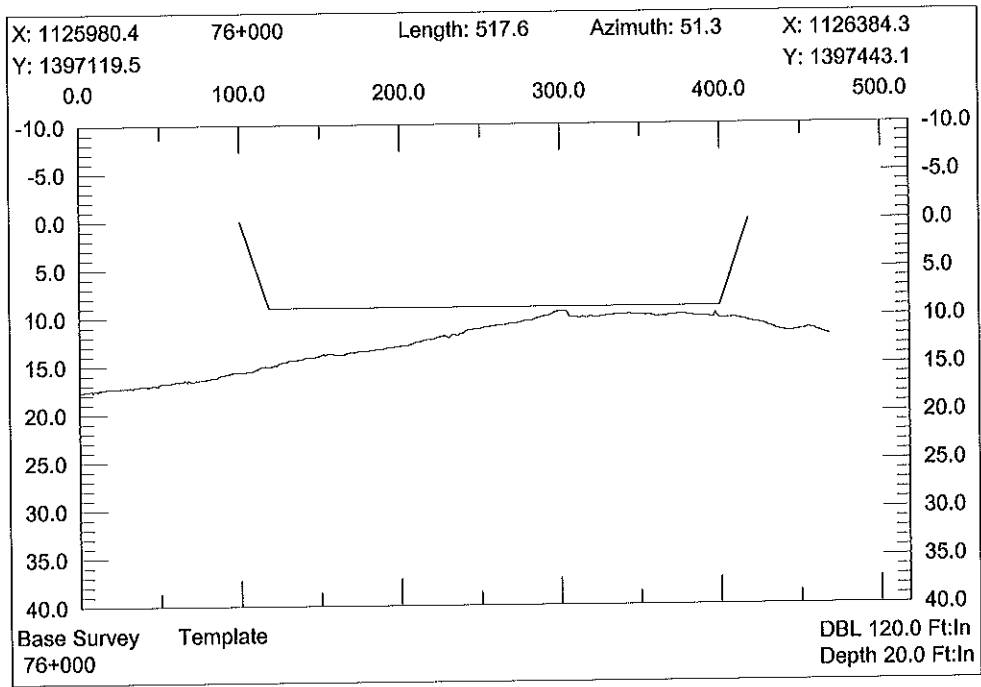
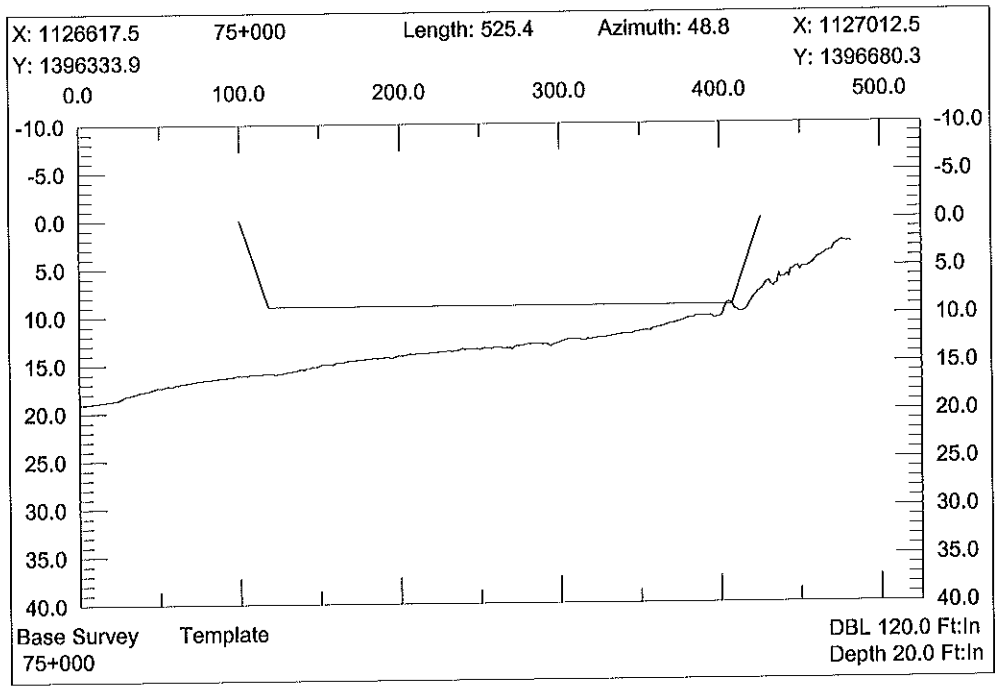


Sheet 11 Of 37	Base Survey
Project	Water Qualit
Job	
Area	Aliceville P
Surveyor	USACE
Date	07-05-2005
File	WQ2d_1ft.log



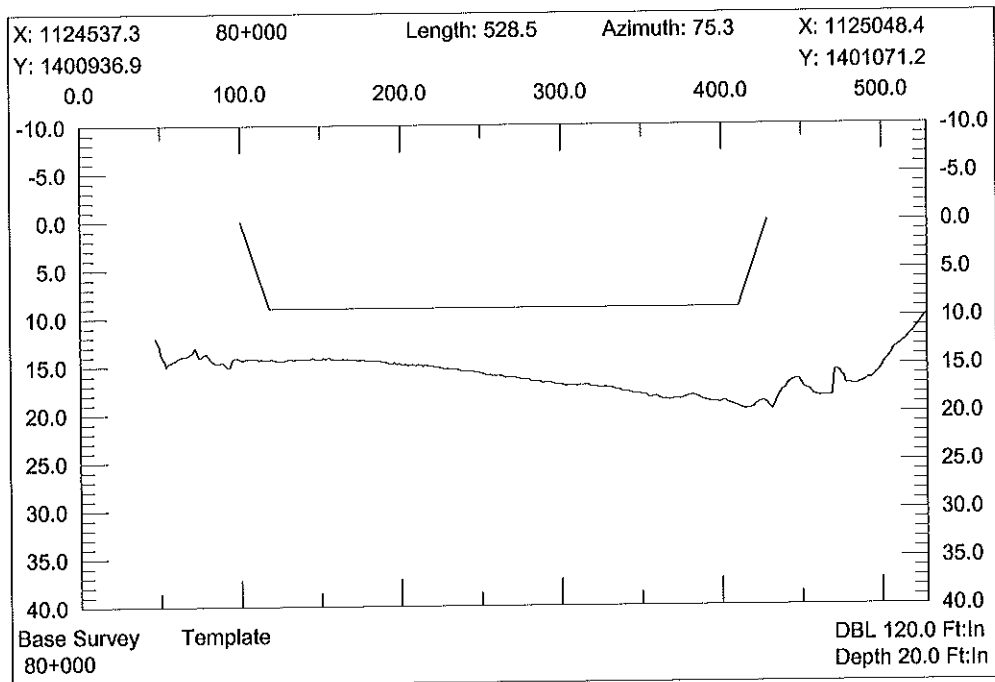
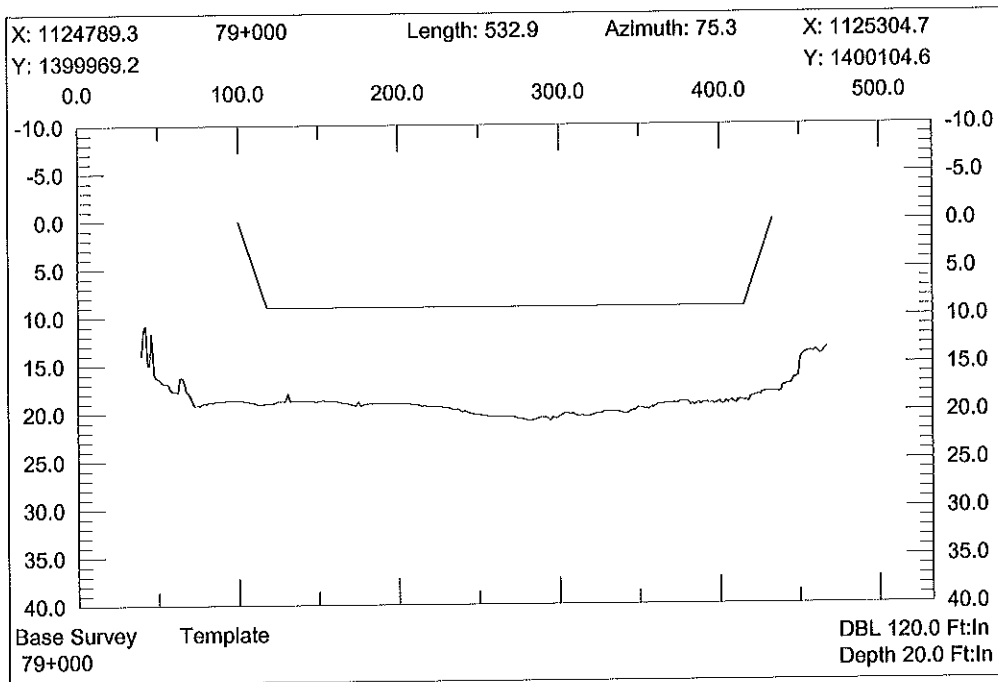
Sheet 12 Of 37	Base Survey
Project	Water Qualit
Job	
Area	Aliceville P
Surveyor	USACE
Date	07-05-2005
File	WQ2d_1ft.log



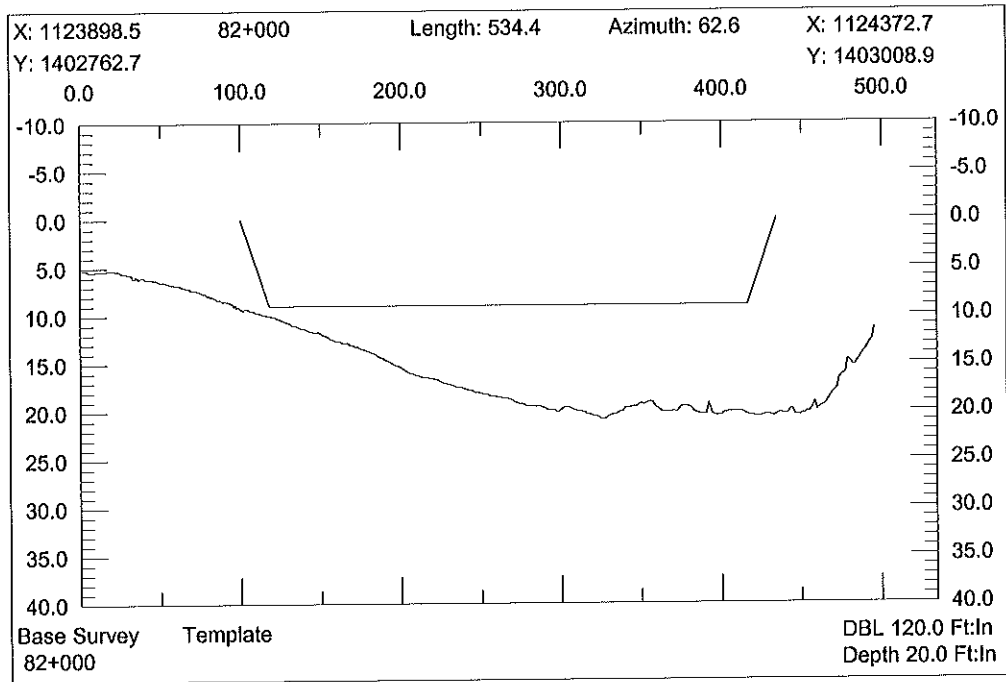
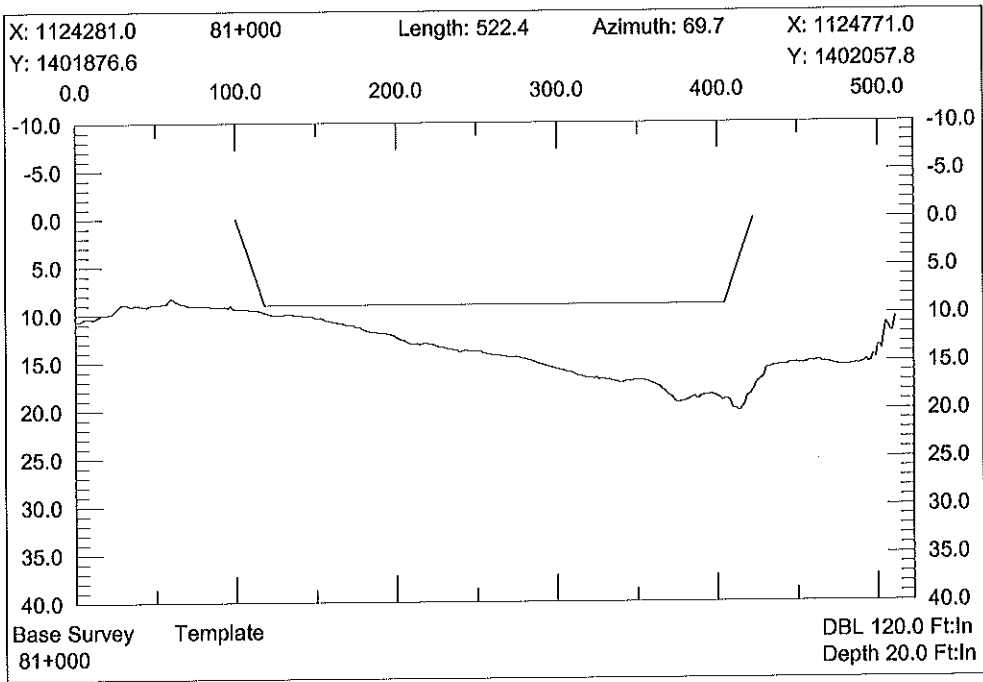


Sheet 13 Of 37	Base Survey
Project	Water Qualit
Job	
Area	Aliceville P
Surveyor	USACE
Date	07-05-2005
File	WQ2d_1ft.log

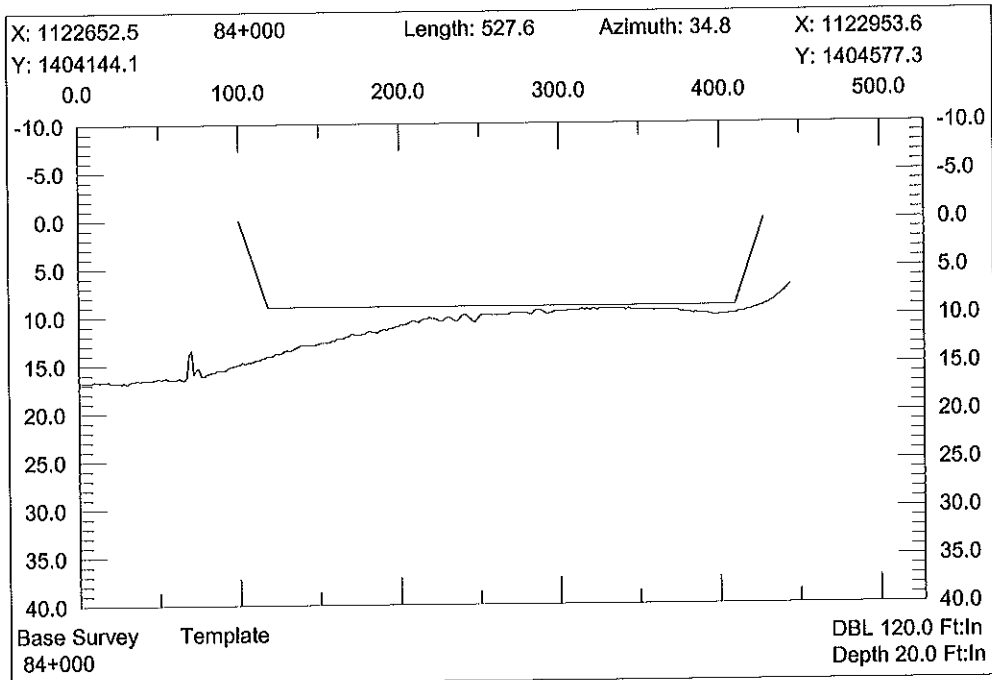
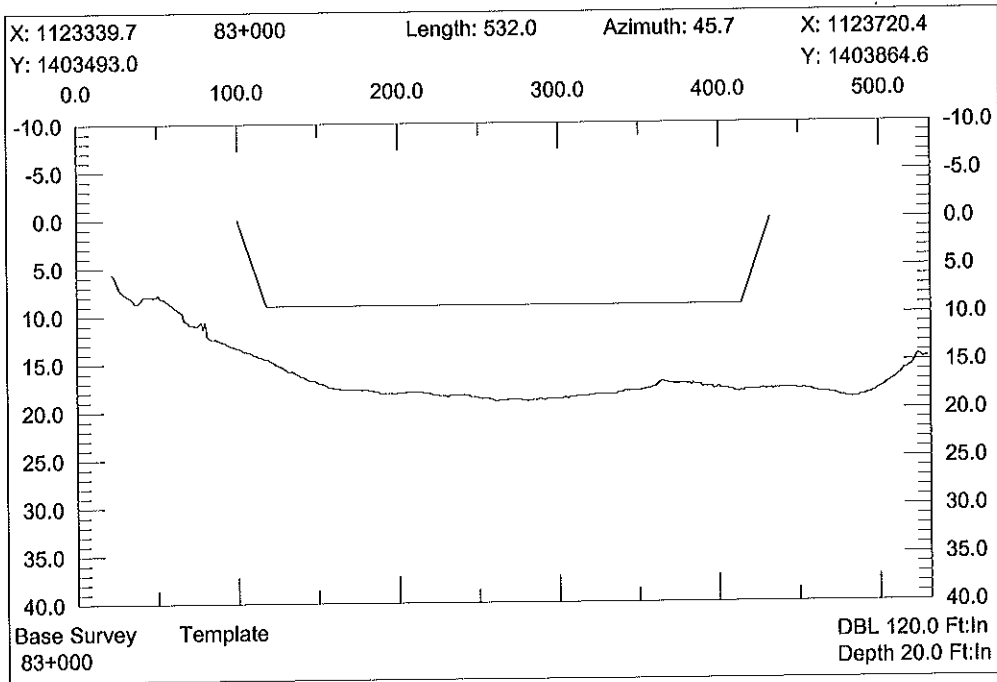




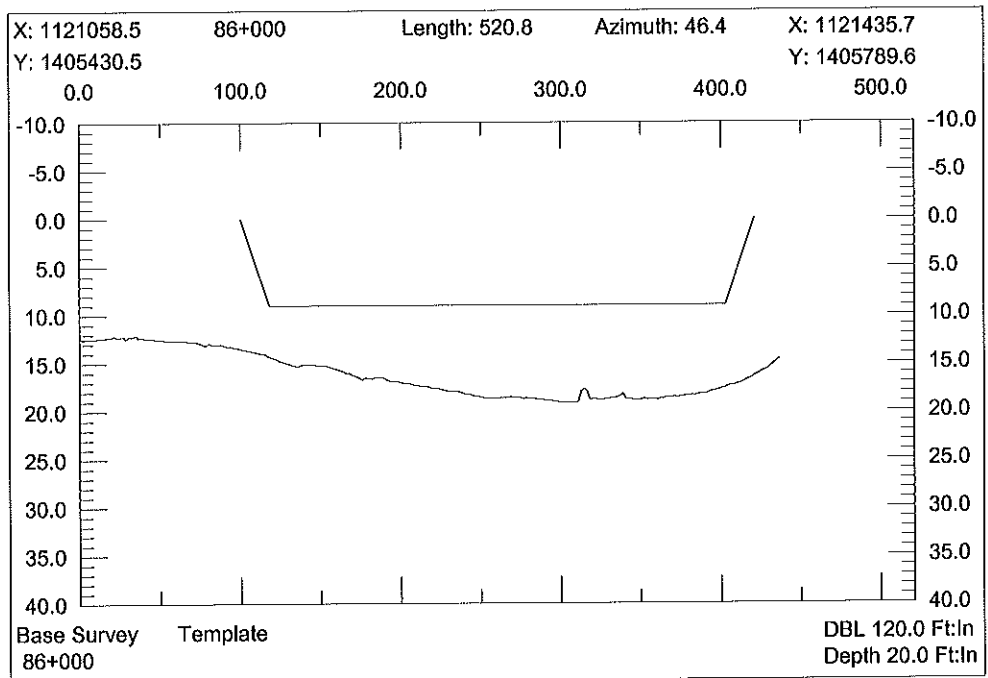
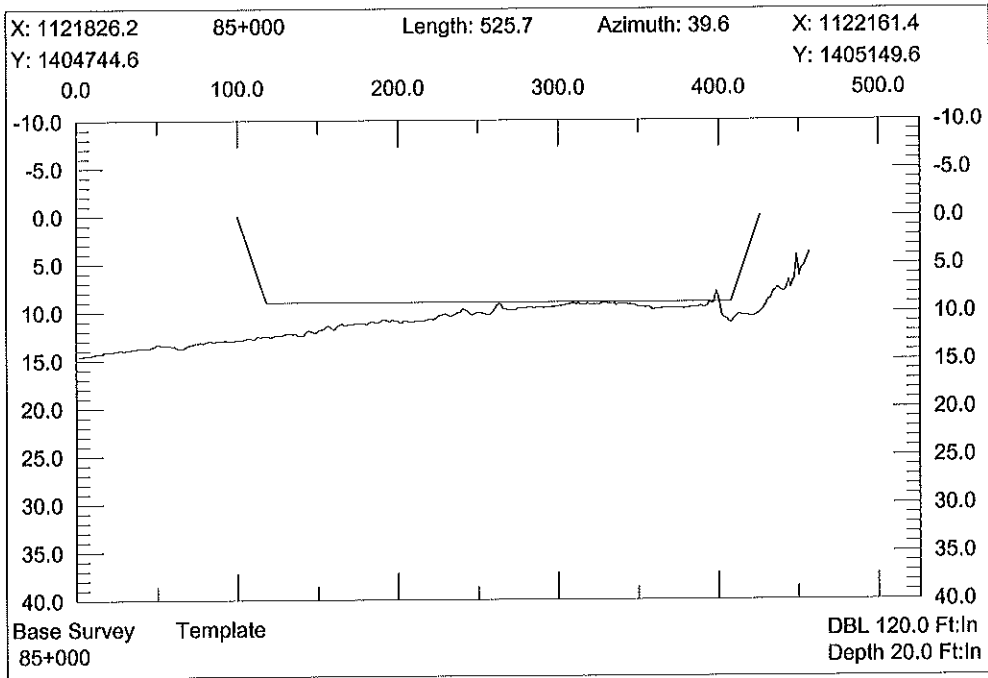
Sheet 15 Of 37	Base Survey
Project	Water Qualit
Job	
Area	Aliceville P
Surveyor	USACE
Date	07-05-2005
File	WQ2d_1ft.log



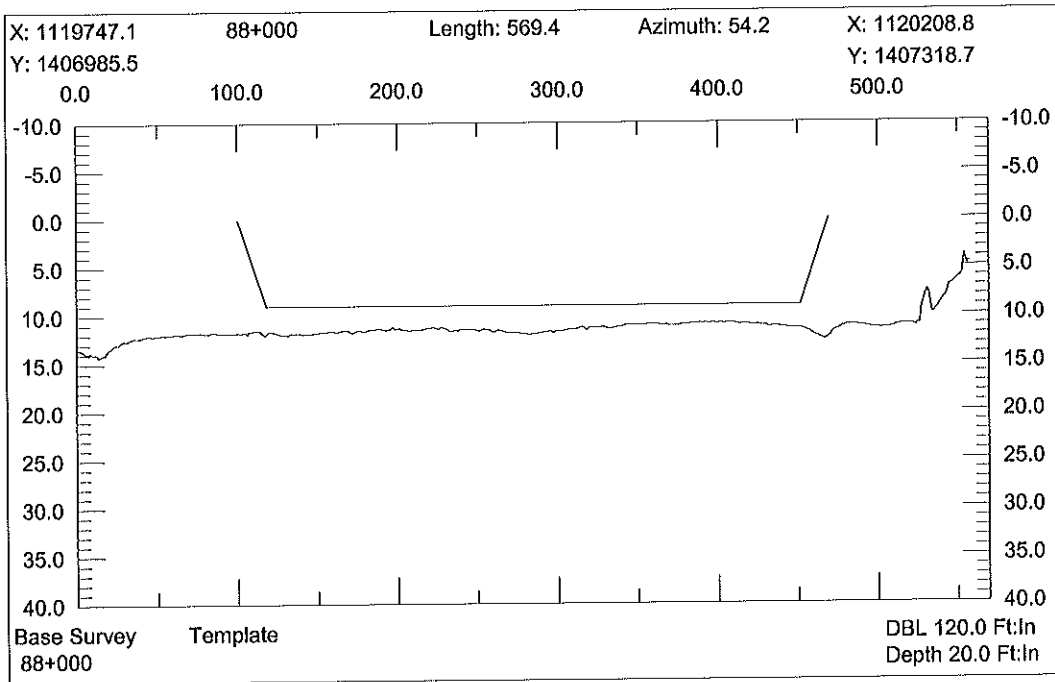
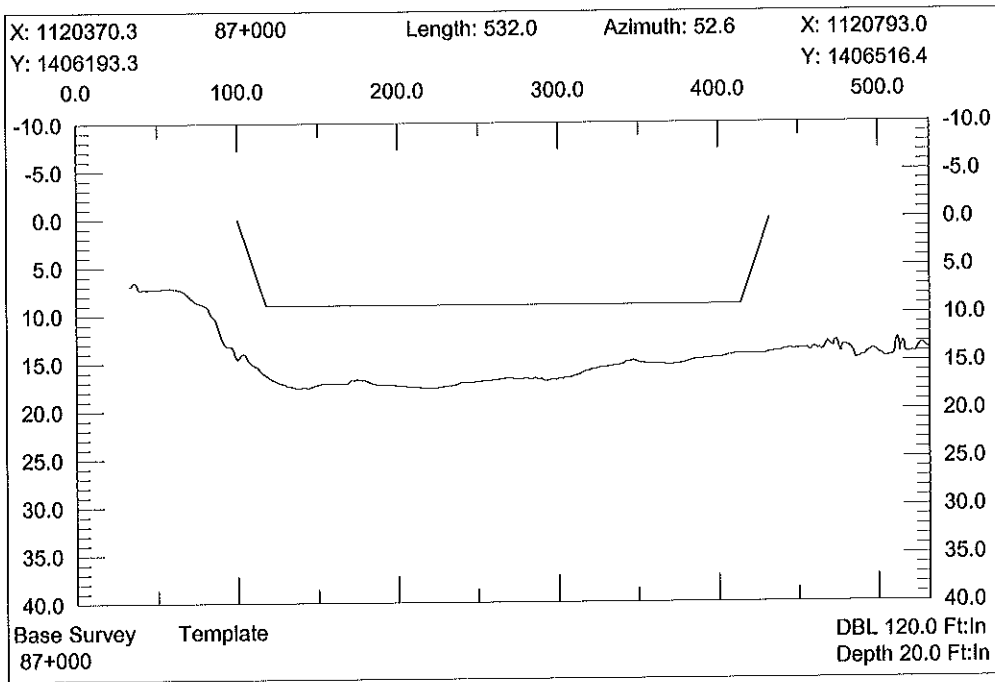
Sheet 16 Of 37	Base Survey
Project	Water Qualit
Job	
Area	Aliceville P
Surveyor	USACE
Date	07-05-2005
File	WQ2d_1ft.log



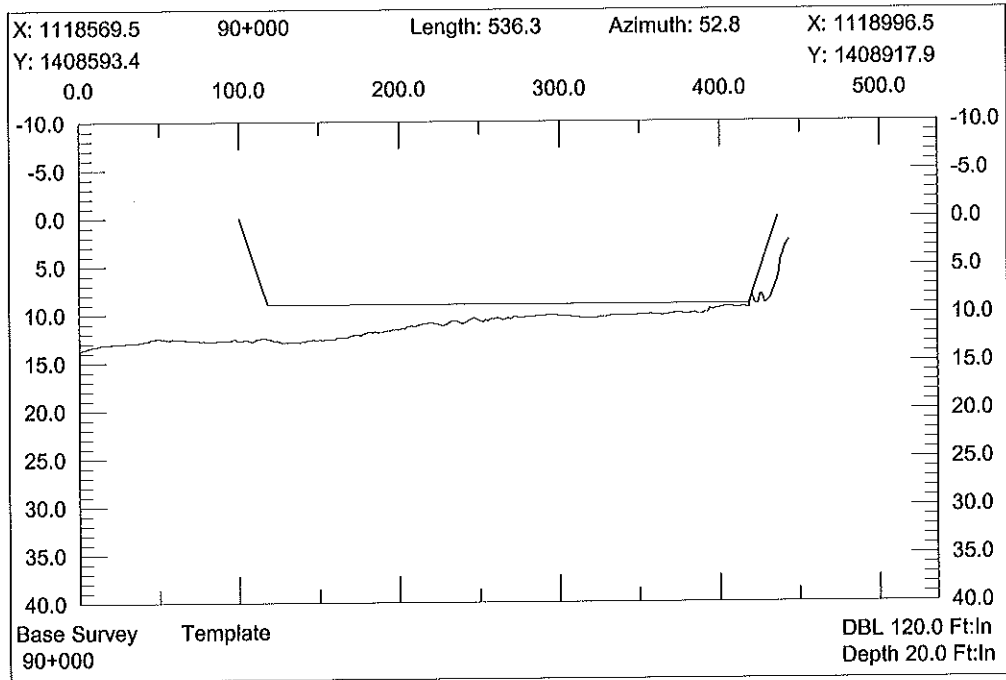
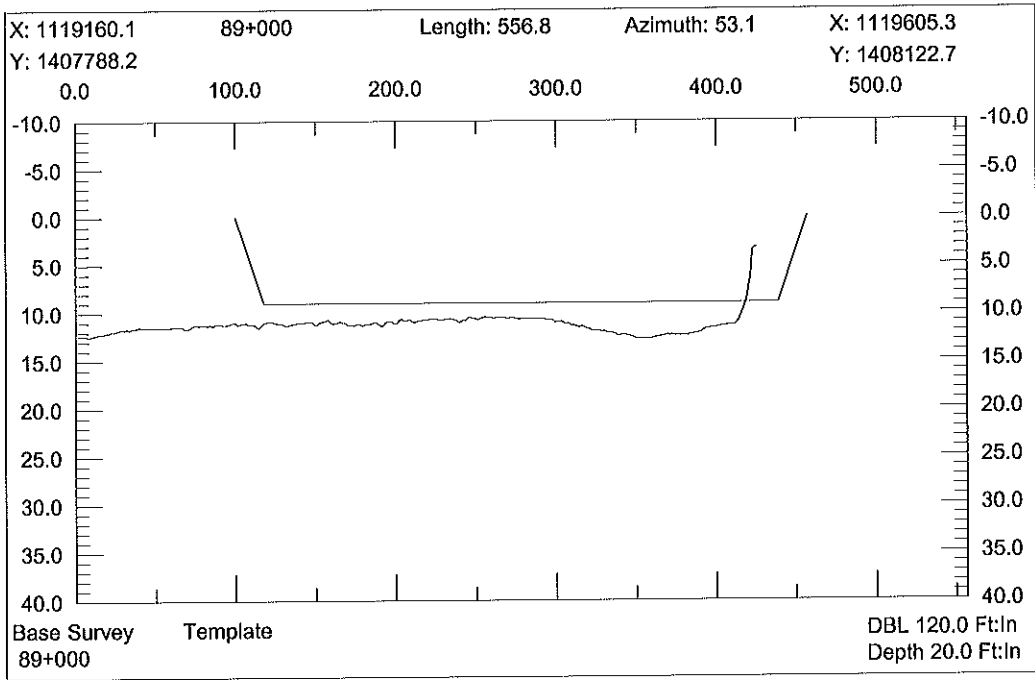
Sheet 17 Of 37	Base Survey
Project	Water Qualit
Job	
Area	Aliceville P
Surveyor	USACE
Date	07-05-2005
File	WQ2d_1ft.log



Sheet 18 Of 37	Base Survey
Project	Water Qualit
Job	
Area	Aliceville P
Surveyor	USACE
Date	07-05-2005
File	WQ2d_1ft.log

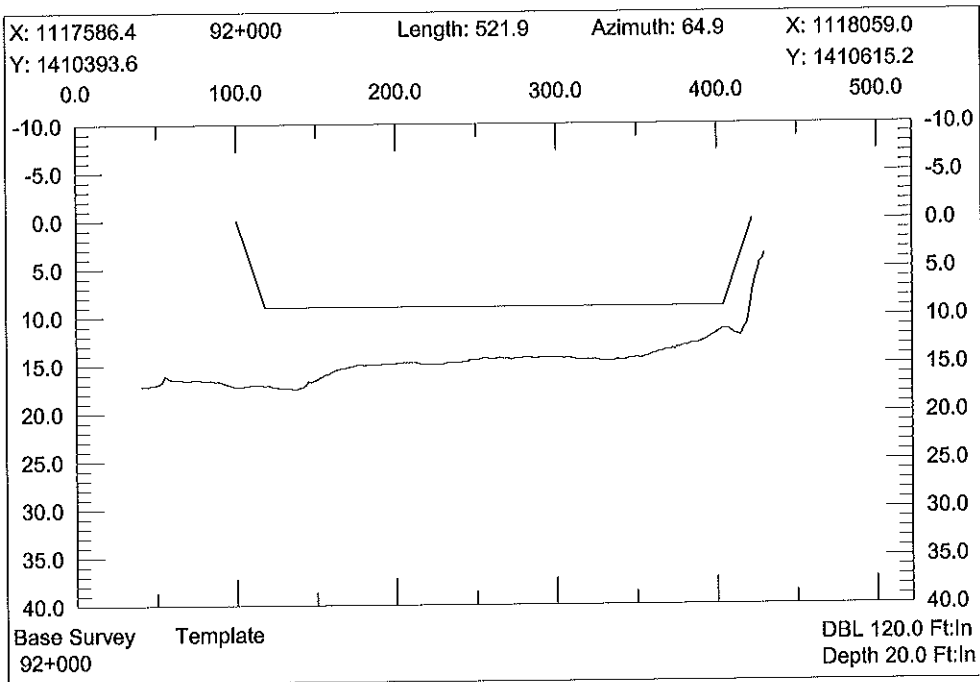
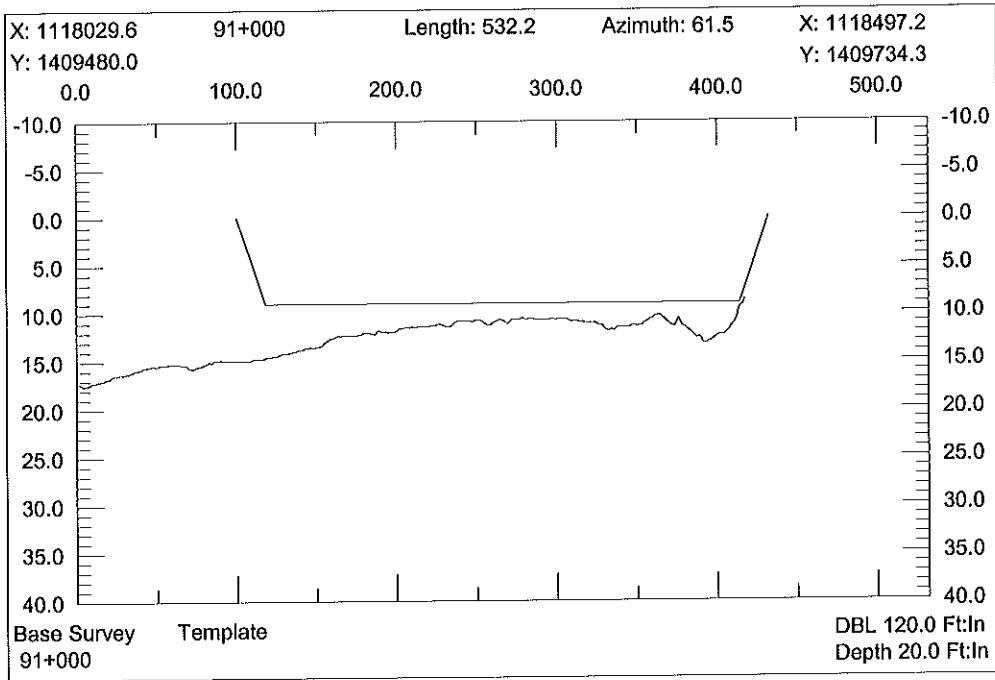


Sheet 19 Of 37	Base Survey
Project	Water Qualit
Job	
Area	Aliceville P
Surveyor	USACE
Date	07-05-2005
File	WQ2d_1ft.log

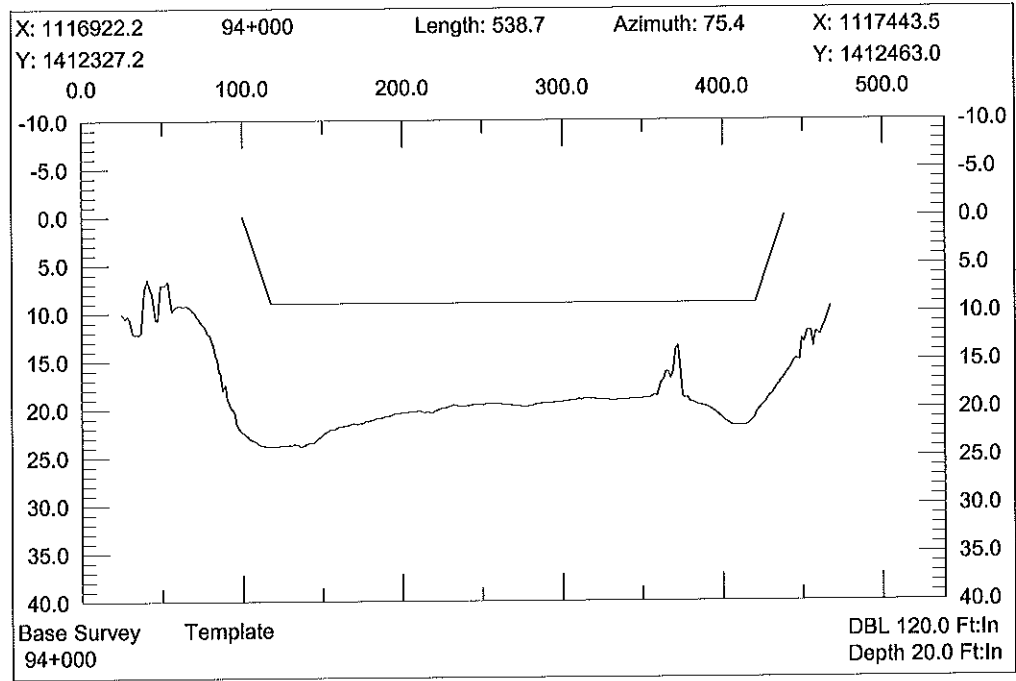
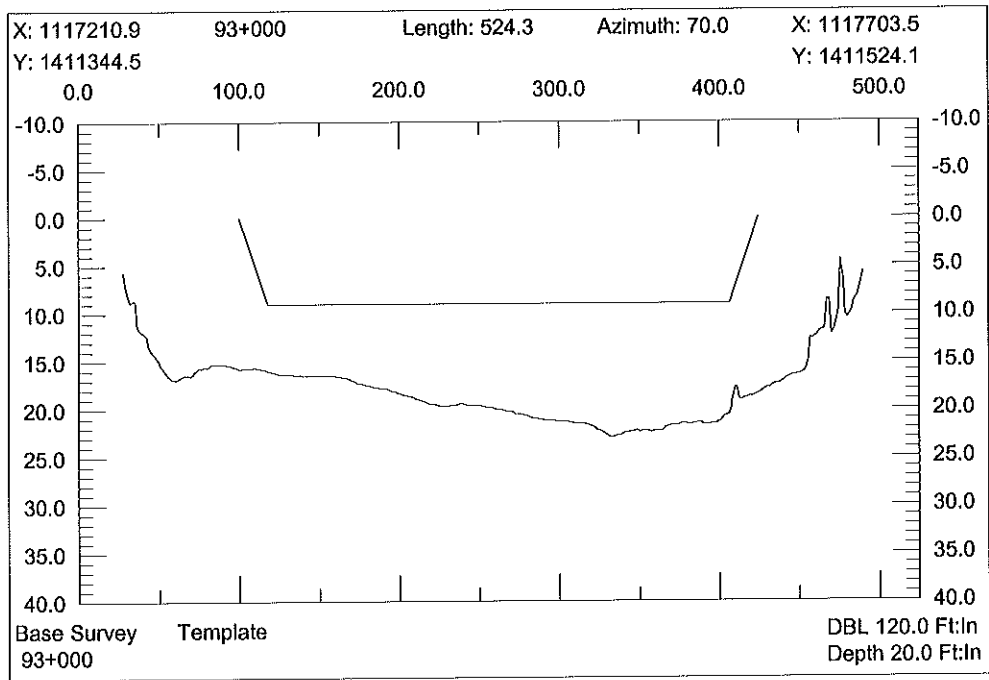


Sheet 20 Of 37	Base Survey
Project	Water Qualit
Job	
Area	Aliceville P
Surveyor	USACE
Date	07-05-2005
File	WQ2d_1ft.log

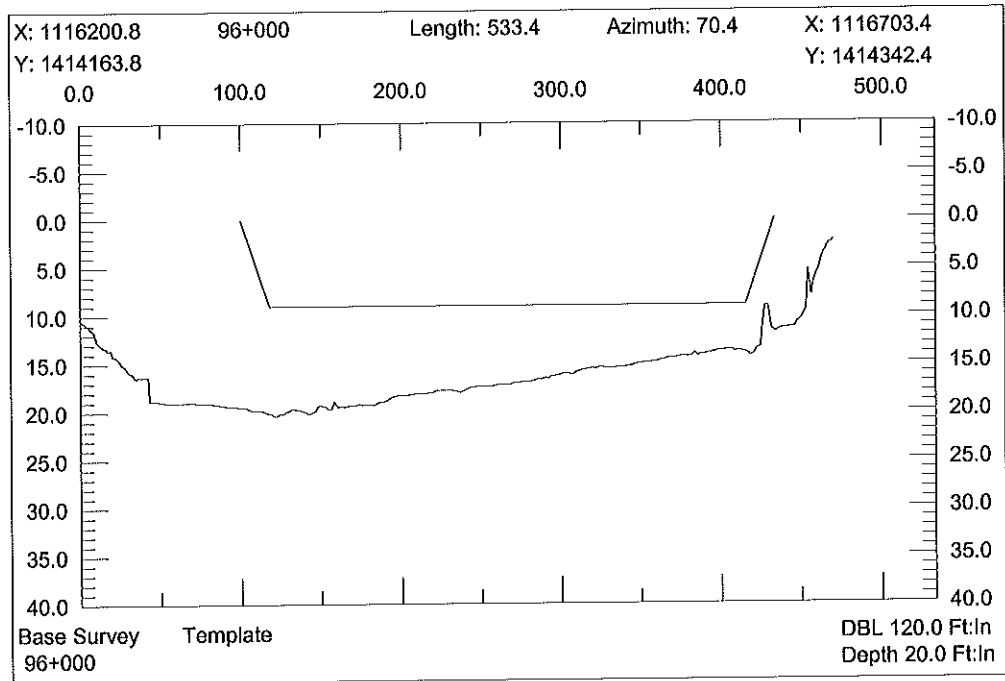
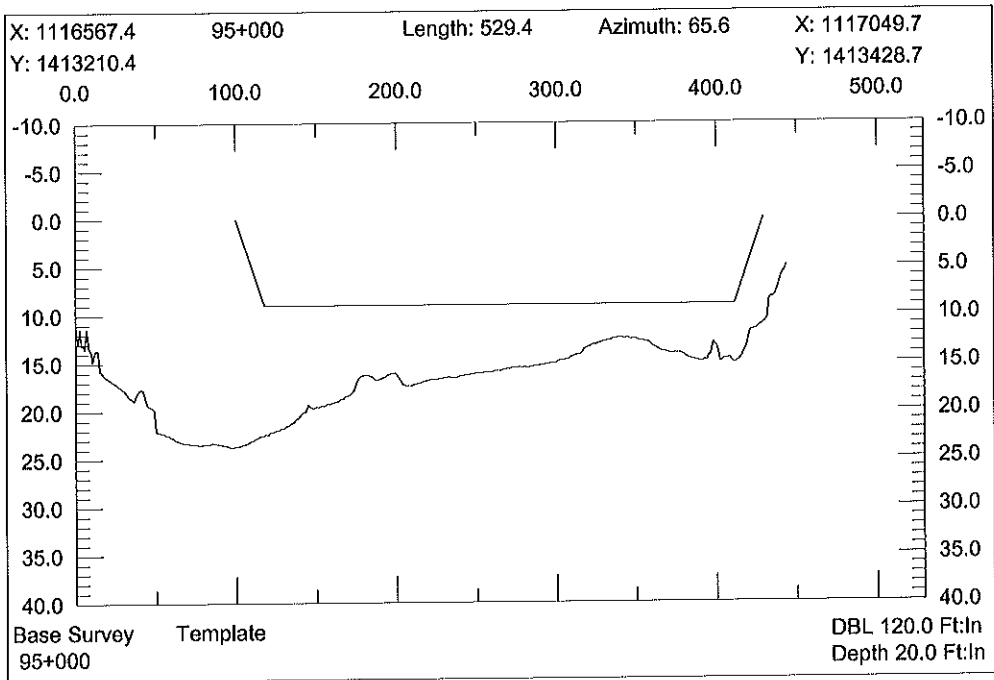




Sheet 21 Of 37	Base Survey
Project	Water Qualit
Job	
Area	Aliceville P
Surveyor	USACE
Date	07-05-2005
File	WQ2d_1ft.log

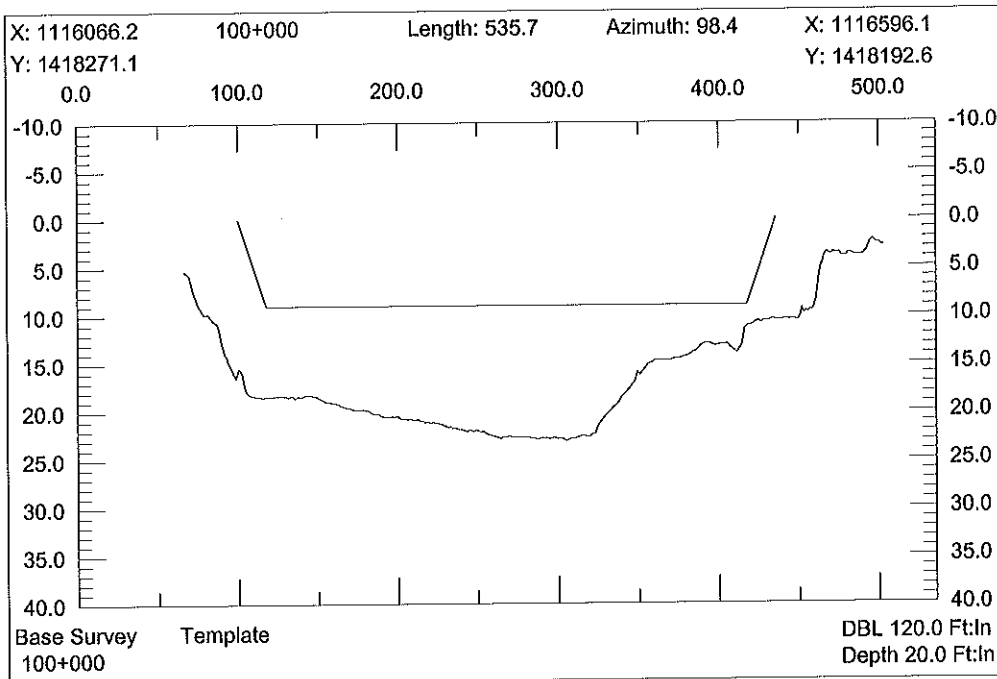
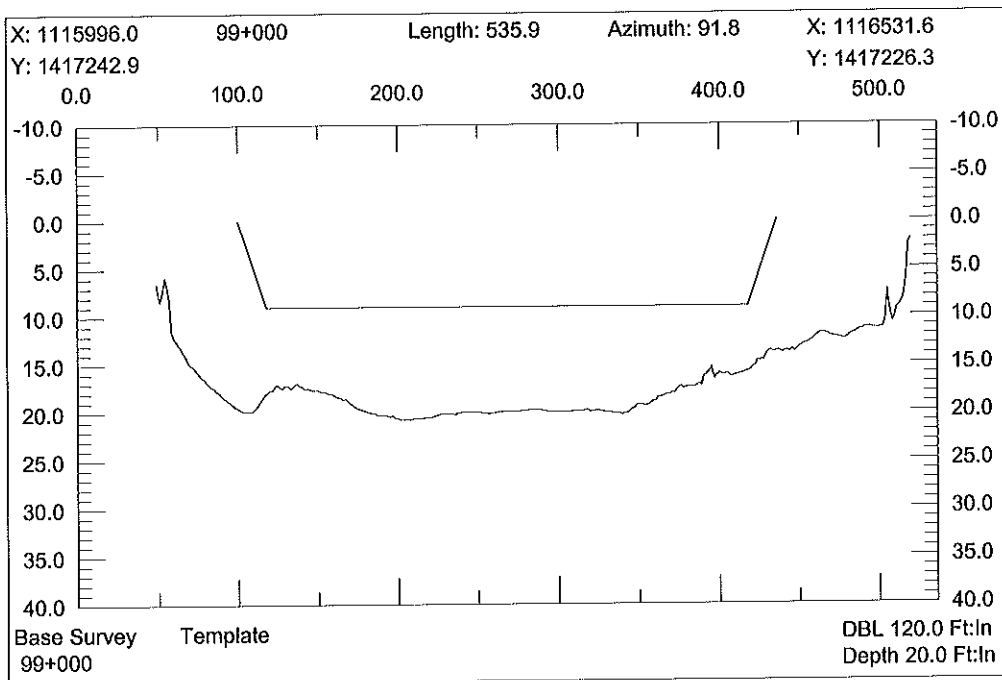


Sheet 22 Of 37	Base Survey
Project	Water Qualit
Job	
Area	Aliceville P
Surveyor	USACE
Date	07-05-2005
File	WQ2d_1ft.log



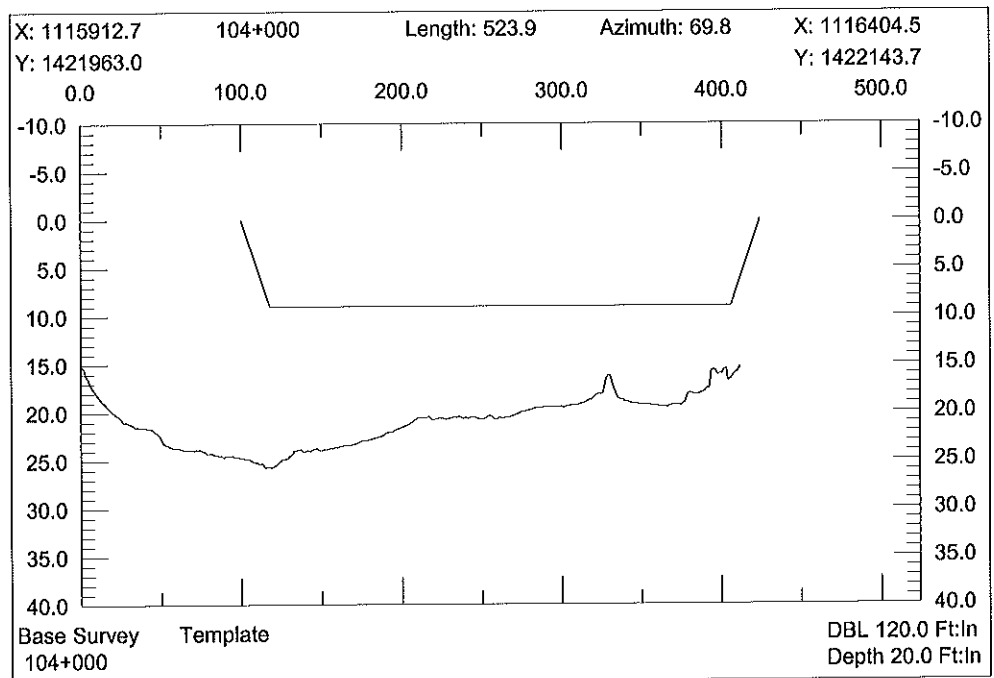
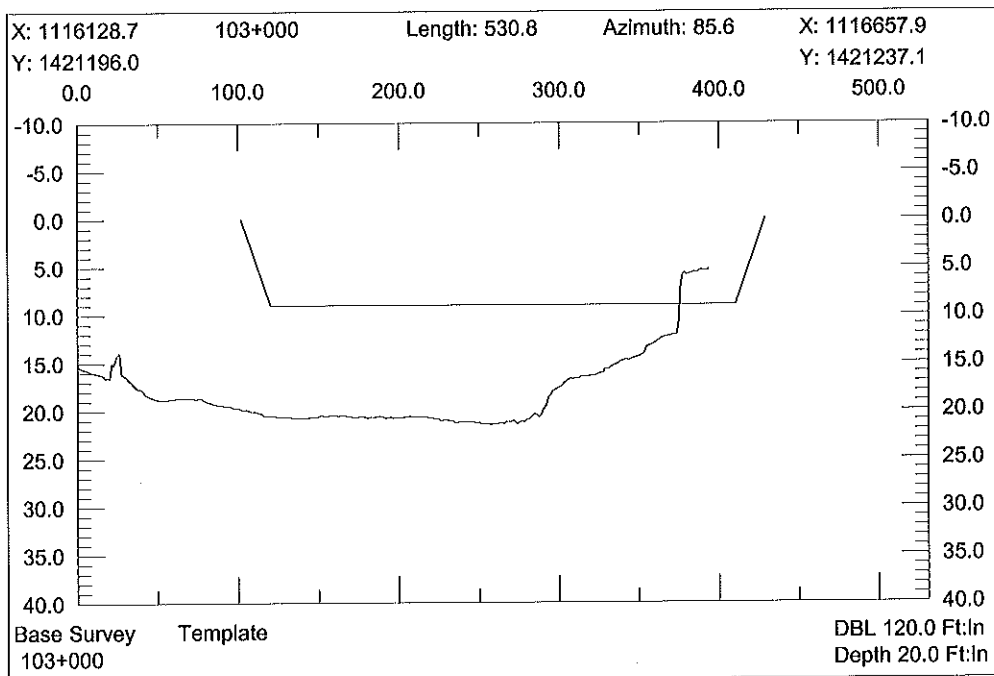
Sheet 23 Of 37	Base Survey
Project	Water Qualit
Job	
Area	Aliceville P
Surveyor	USACE
Date	07-05-2005
File	WQ2d_1ft.log





Sheet 25 Of 37	Base Survey
Project	Water Qualit
Job	
Area	Aliceville P
Surveyor	USACE
Date	07-05-2005
File	WQ2d_1ft.log

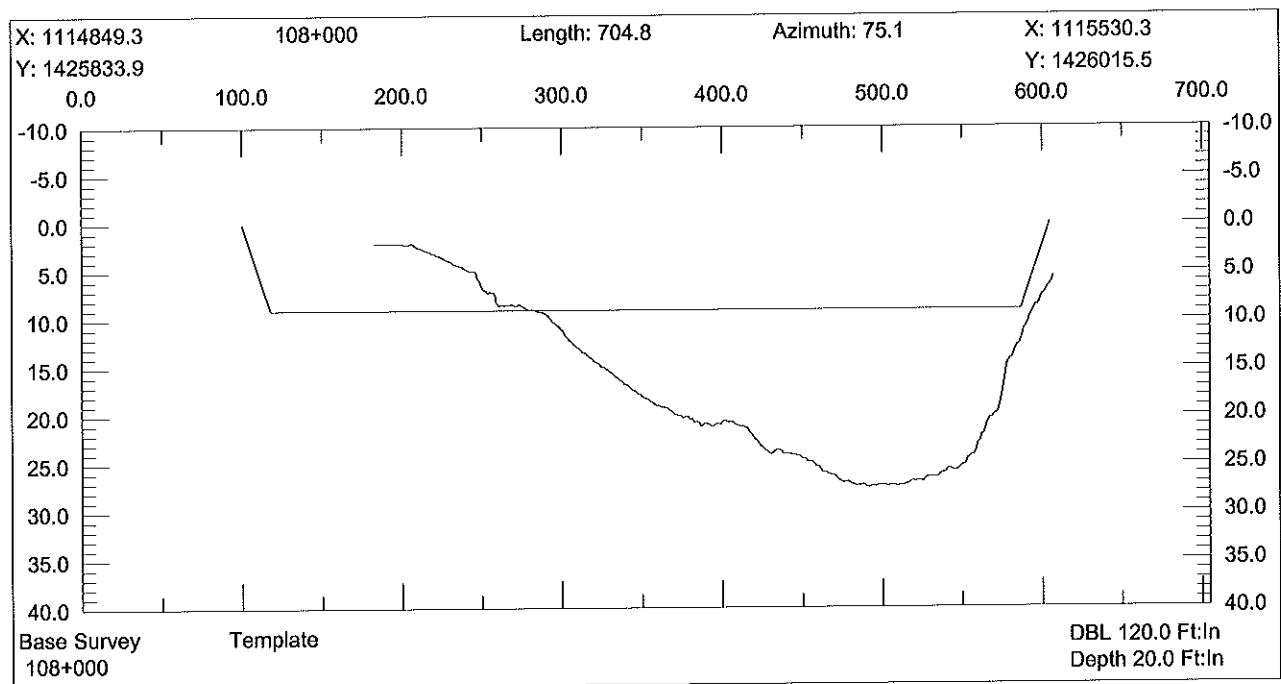
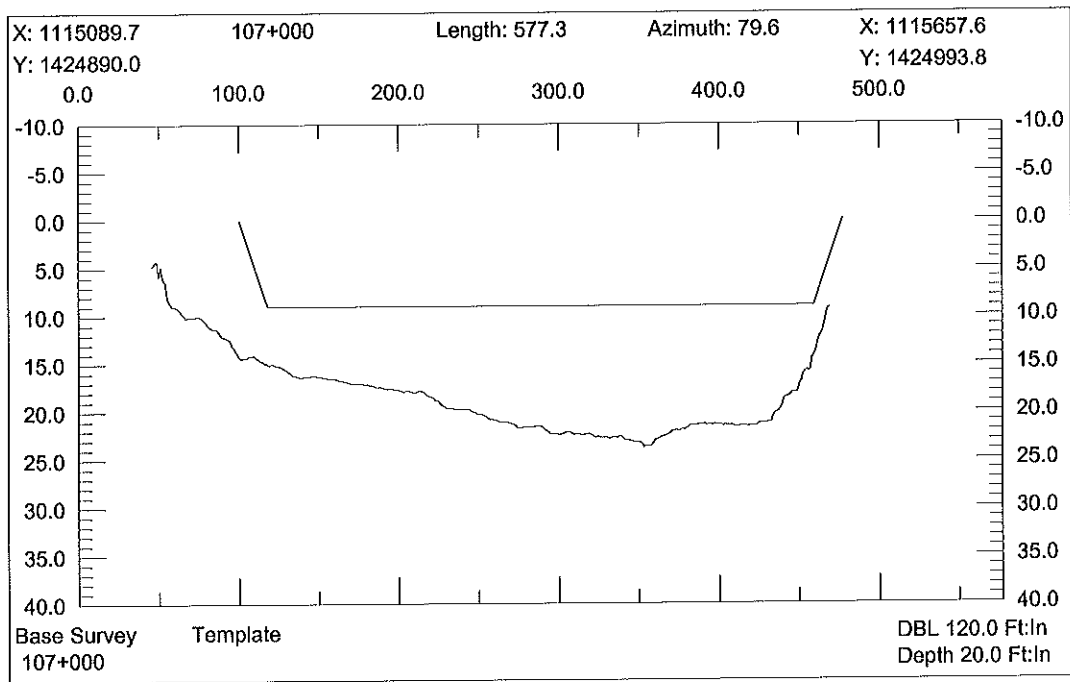




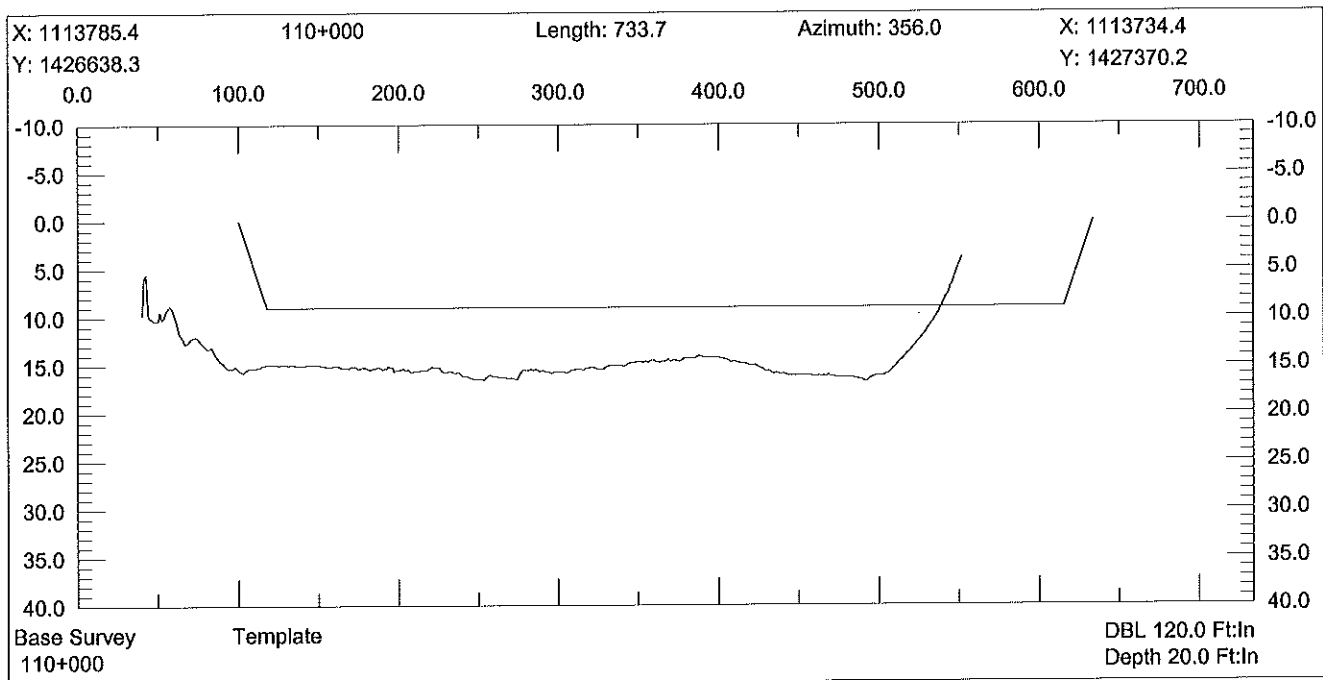
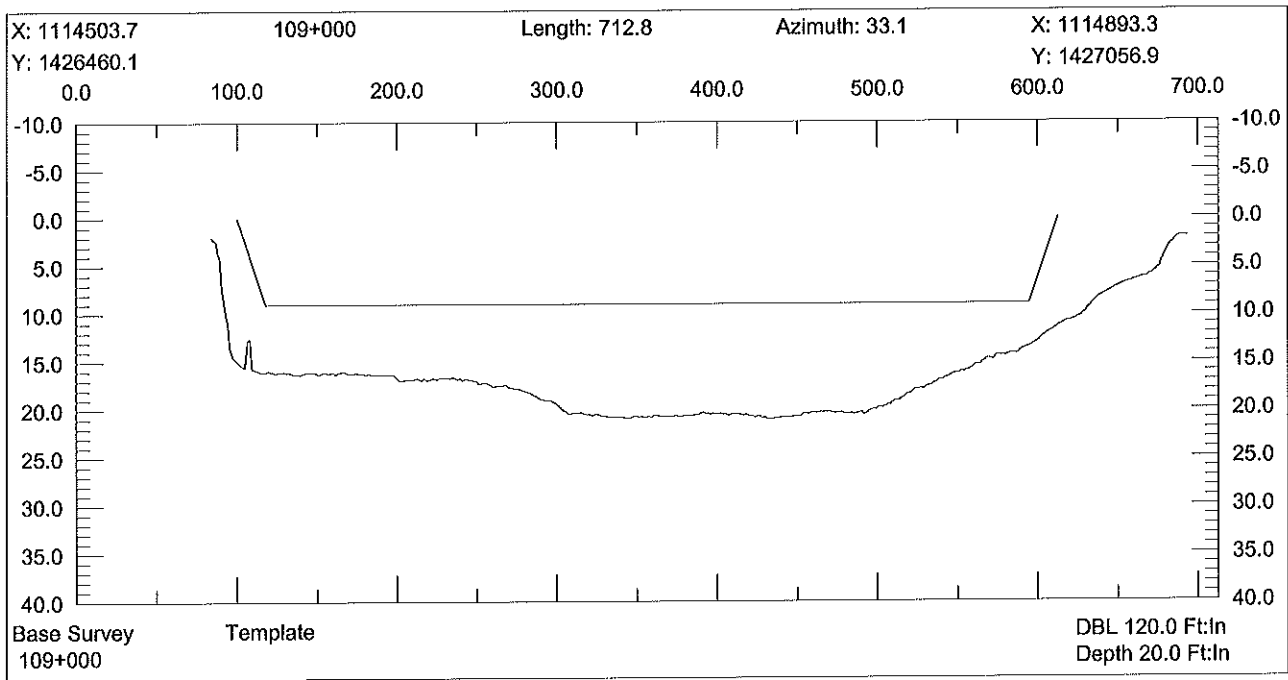
Sheet 27 Of 37	Base Survey
Project	Water Qualit
Job	
Area	Aliceville P
Surveyor	USACE
Date	07-05-2005
File	WQ2d_1ft.log



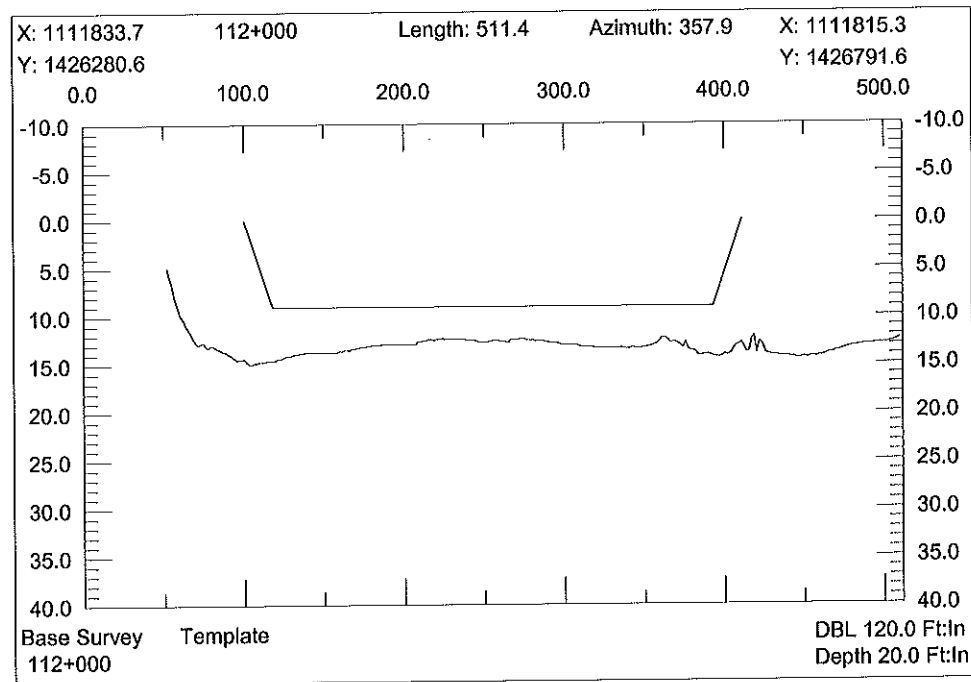
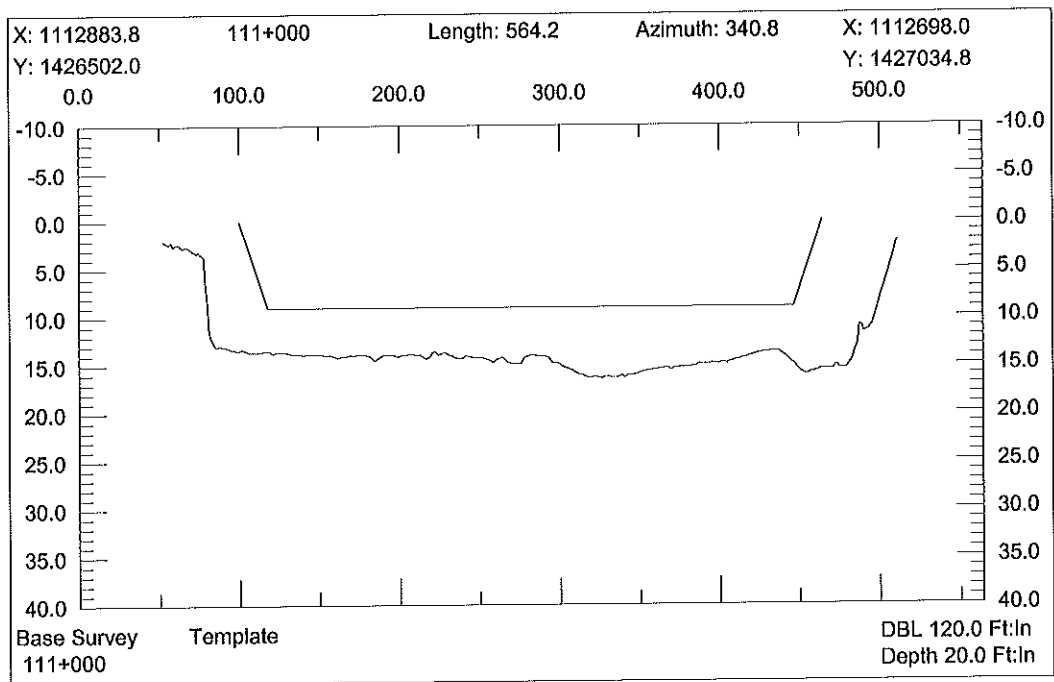




Sheet 29 Of 37	Base Survey
Project	Water Qualit
Job	
Area	Aliceville P
Surveyor	USACE
Date	07-05-2005
File	WQ2d_1ft.log

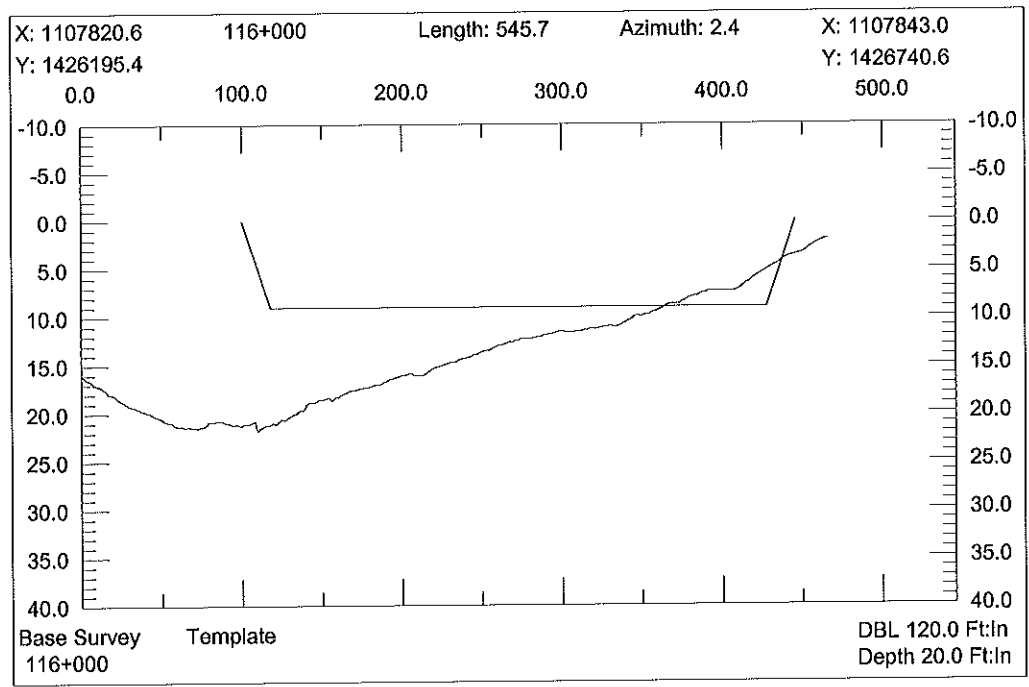
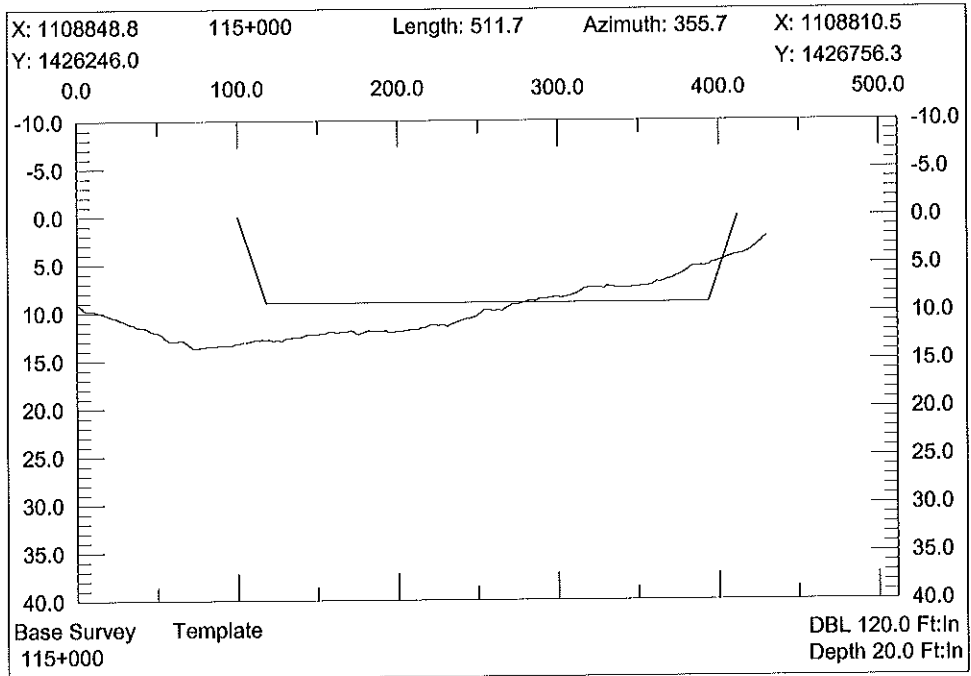


Sheet 30 Of 37	Base Survey
Project	Water Qualit
Job	
Area	Aliceville P
Surveyor	USACE
Date	07-05-2005
File	WQ2d_1ft.log

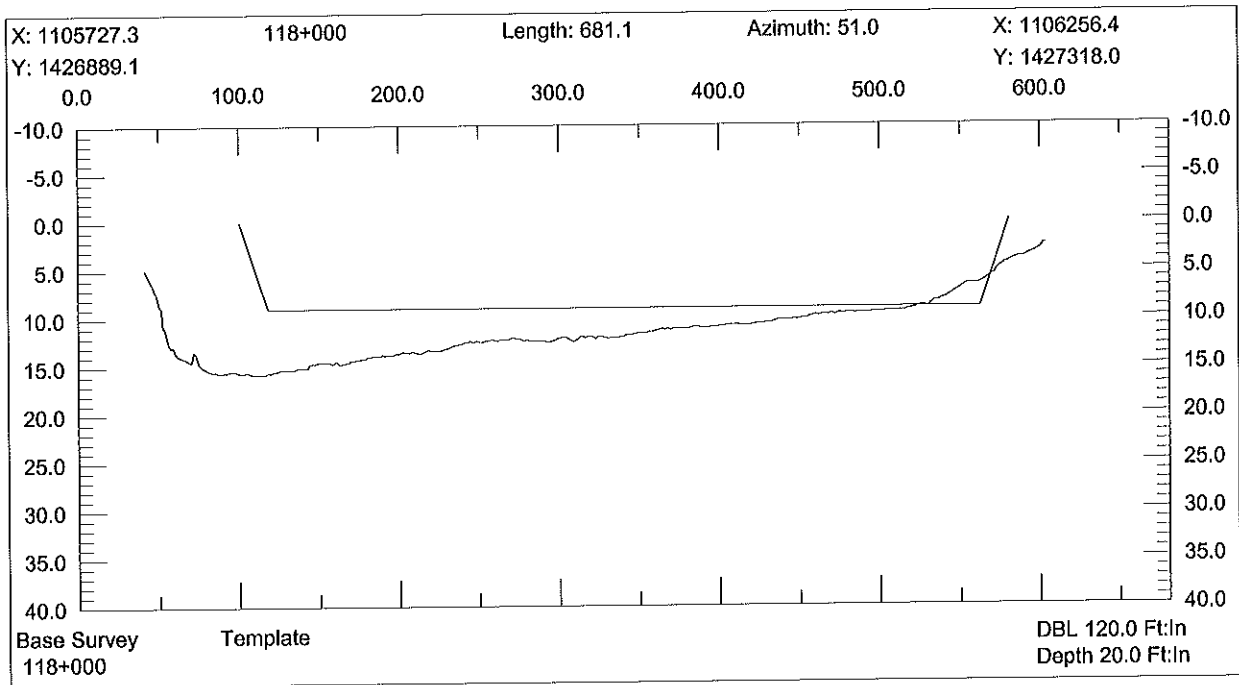
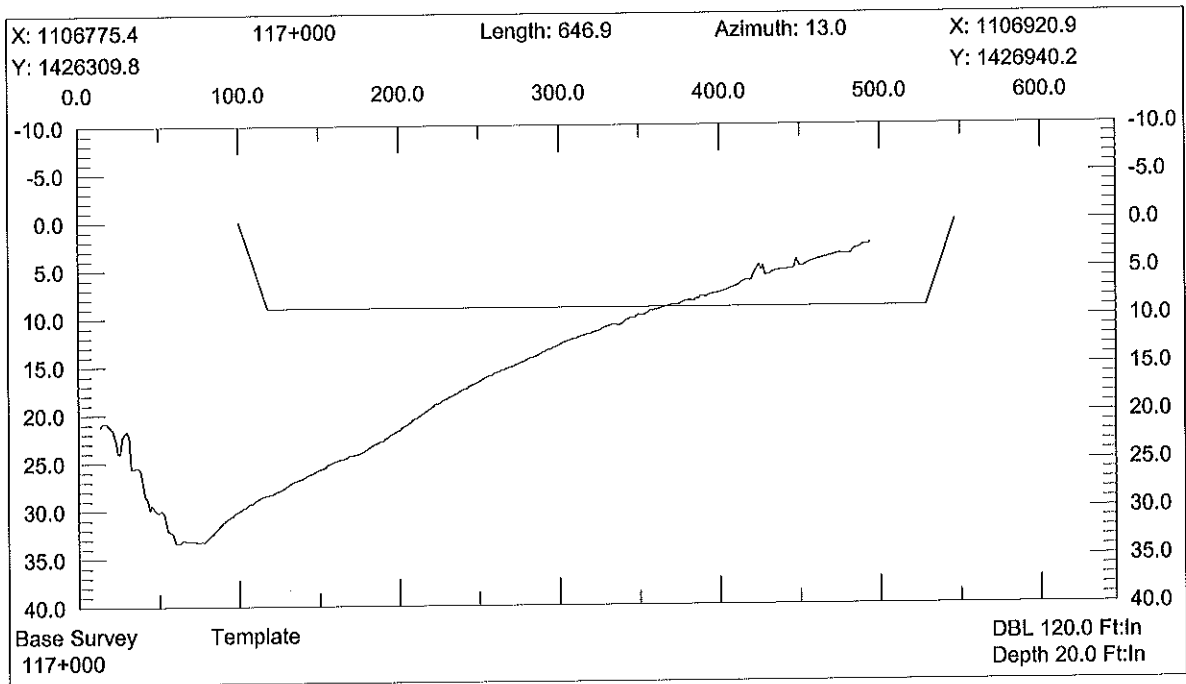


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Project	Water Quallt
Job	
Area	Aliceville P
Surveyor	USACE
Date	07-05-2005
File	WQ2d_1ft.log

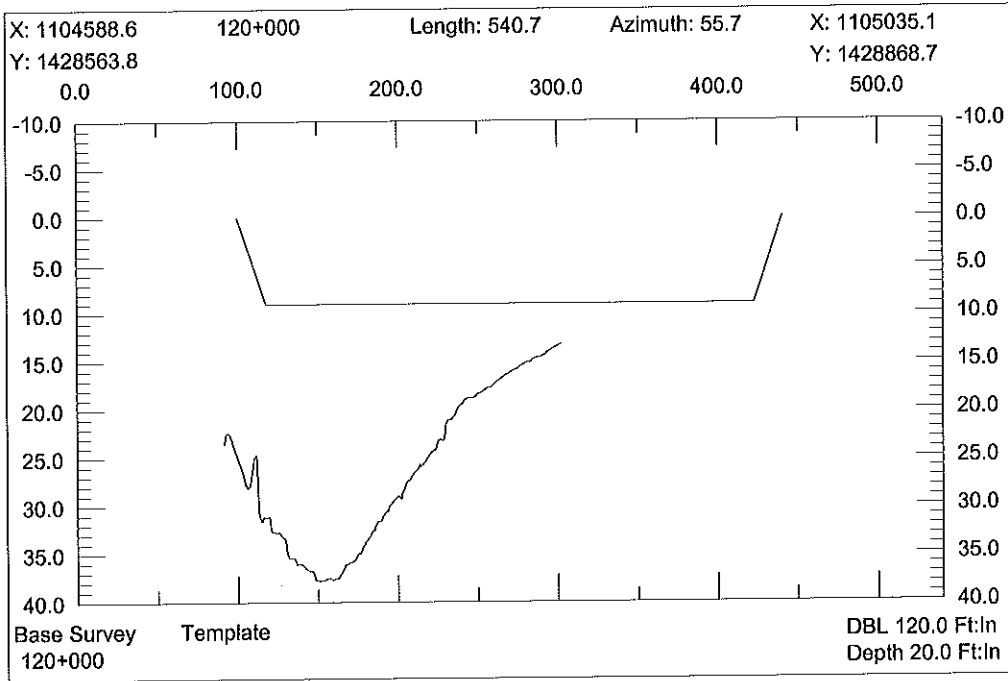
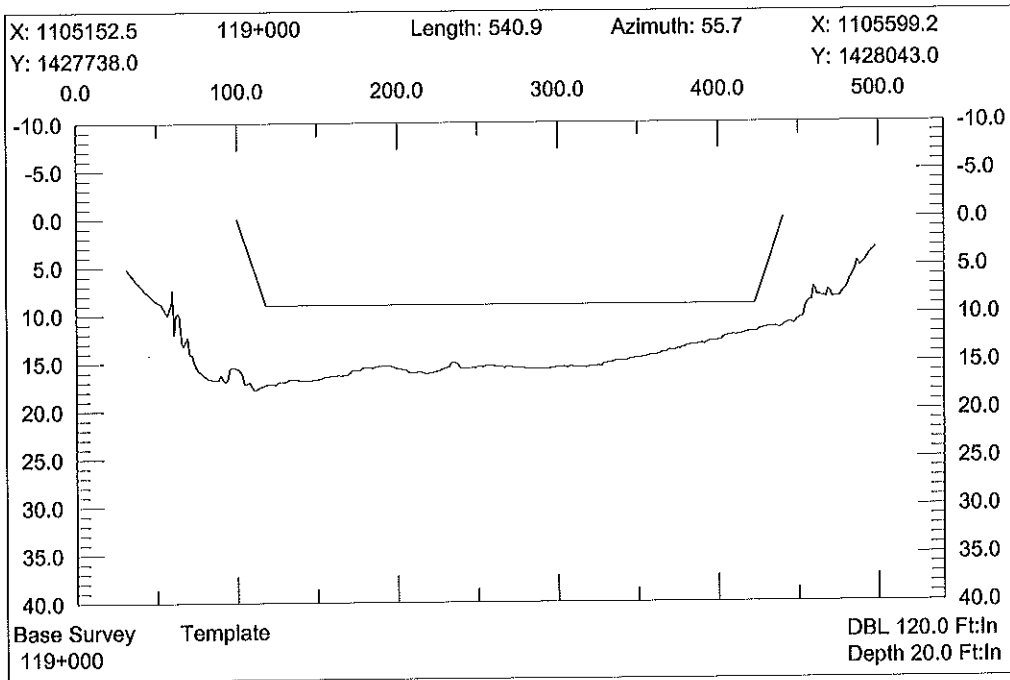




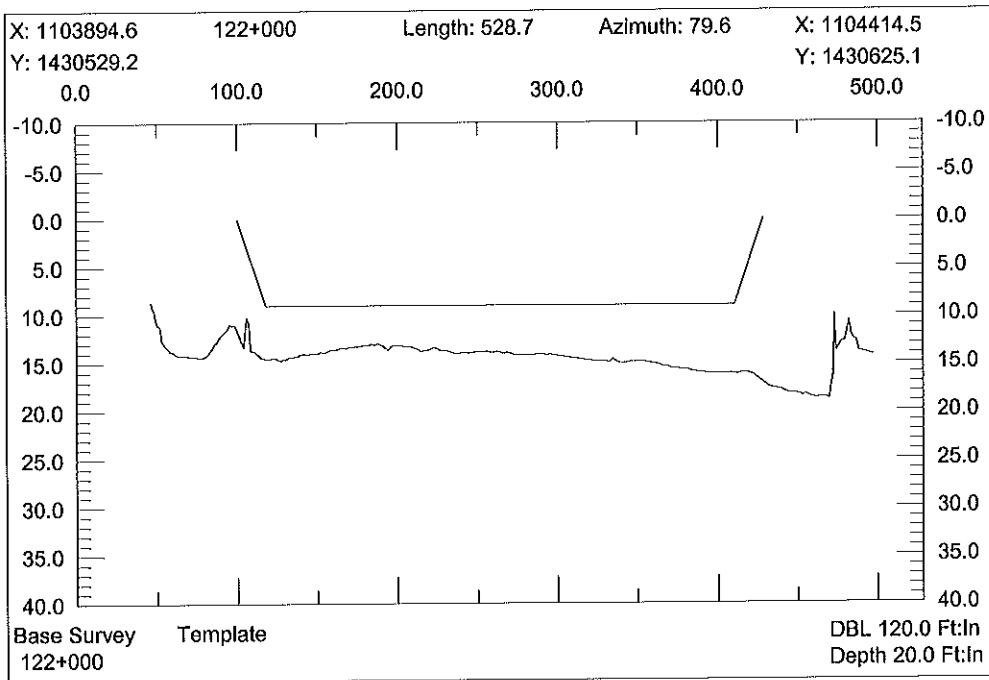
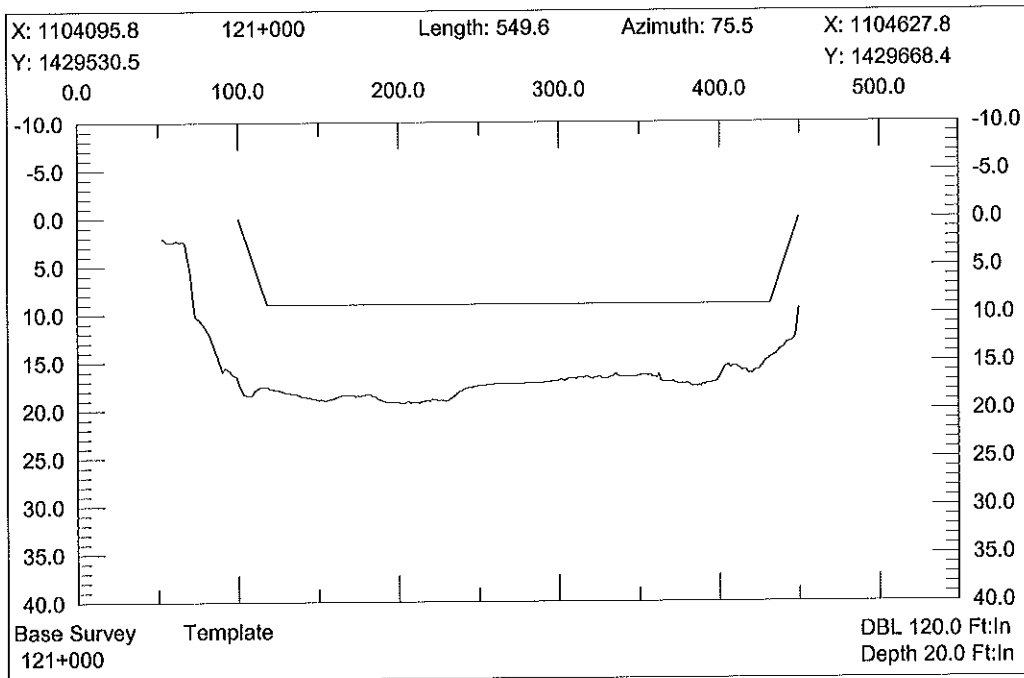
Sheet 33 Of 37	Base Survey
Project	Water Qualit
Job	
Area	Aliceville P
Surveyor	USACE
Date	07-05-2005
File	WQ2d_1ft.log



Sheet 34 Of 37	Base Survey
Project	Water Qualit
Job	
Area	Aliceville P
Surveyor	USACE
Date	07-05-2005
File	WQ2d_1ft.log



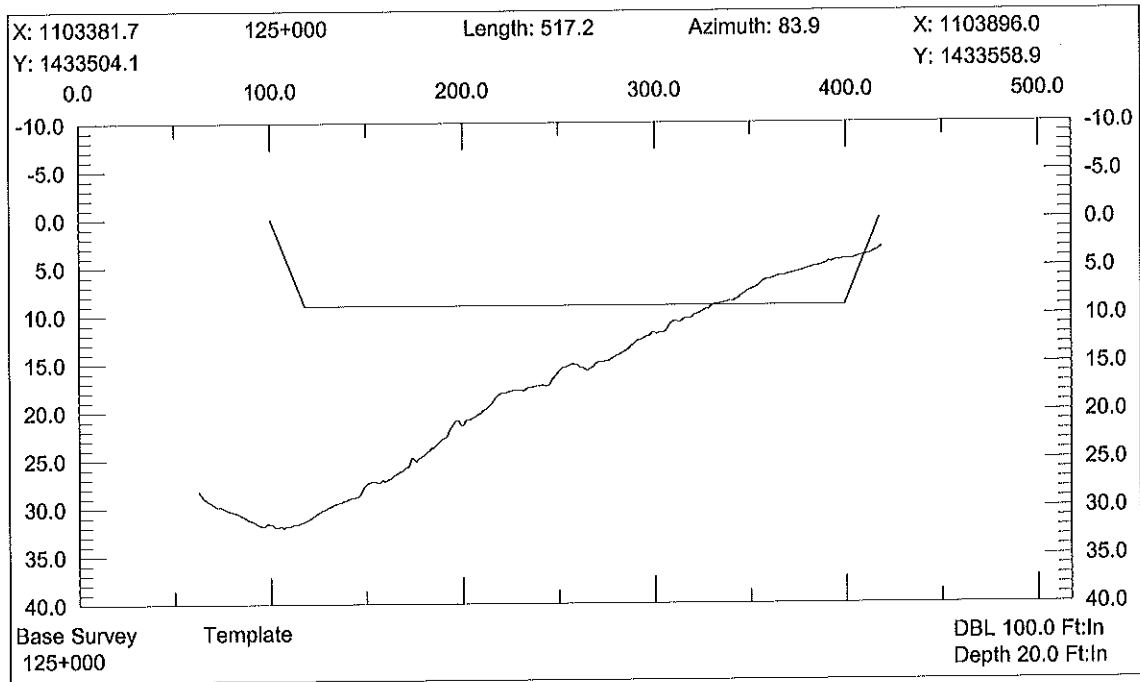
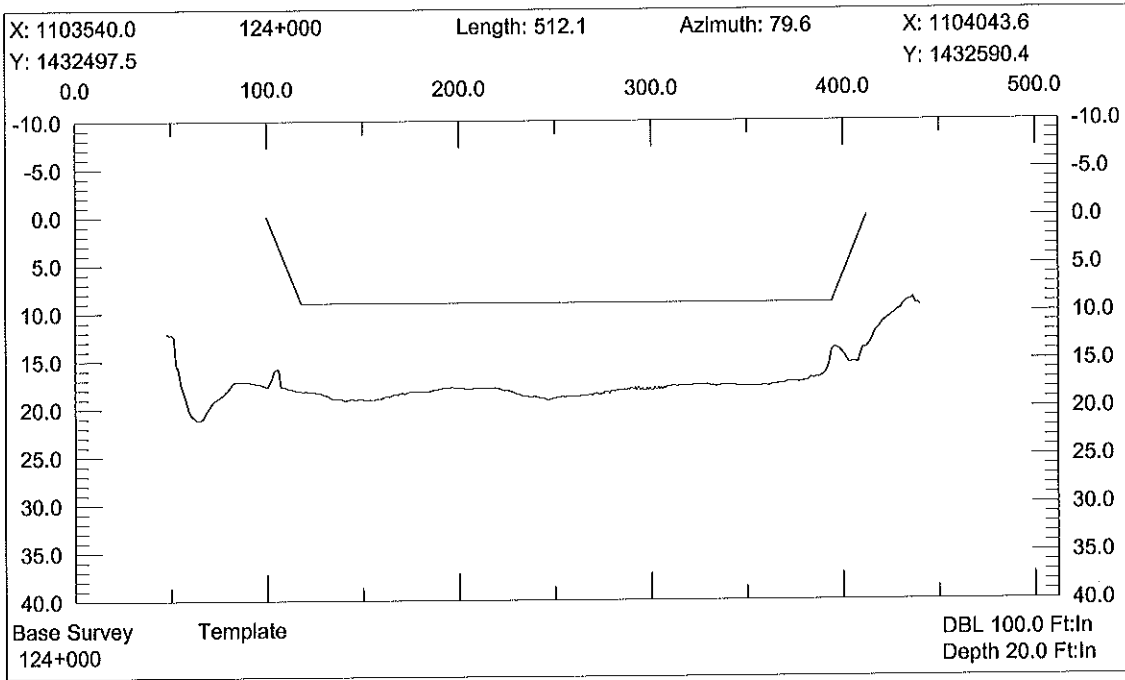
Sheet 35 Of 37	Base Survey
Project	Water Qualit
Job	
Area	Alliceville P
Surveyor	USACE
Date	07-05-2005
File	WQ2d_1ft.log



Sheet 36 Of 37	Base Survey
Project	Water Qualit
Job	
Area	Aliceville P
Surveyor	USACE
Date	07-05-2005
File	WQ2d_1ft.log

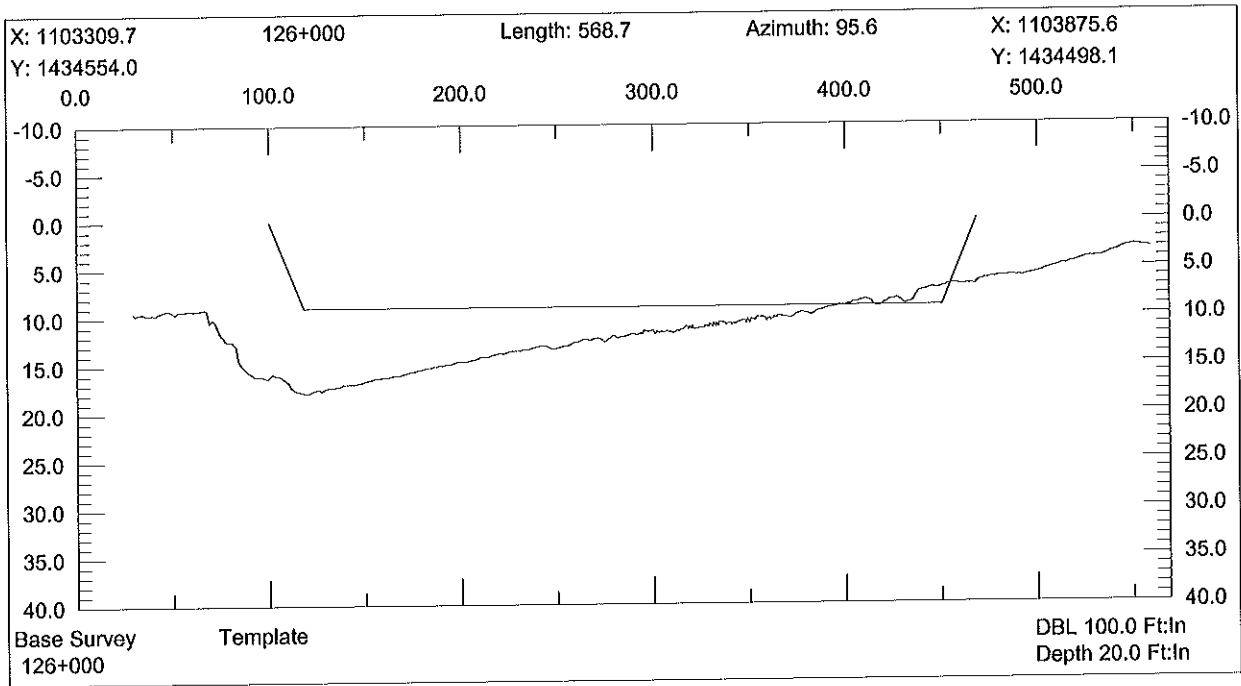




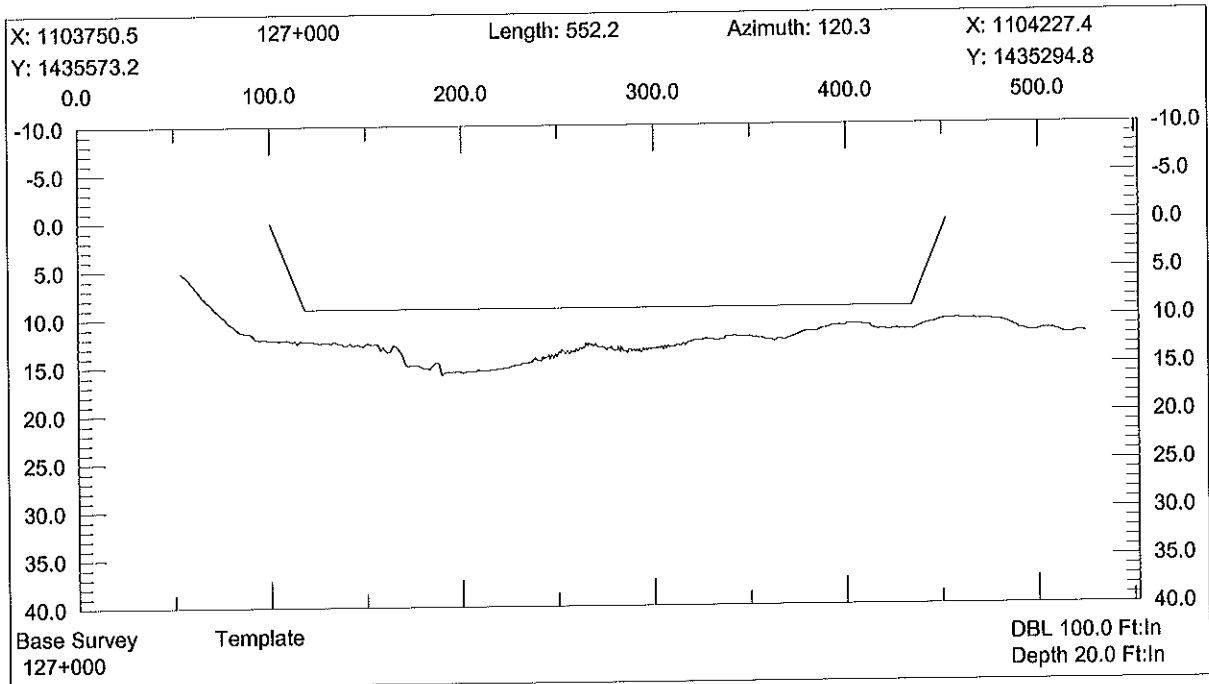


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Sheet 1 Of 19	Base Survey
Project	Project
Job	
Area	Area
Surveyor	SurveyorName
Date	06-10-2005
File	1ftSort.log

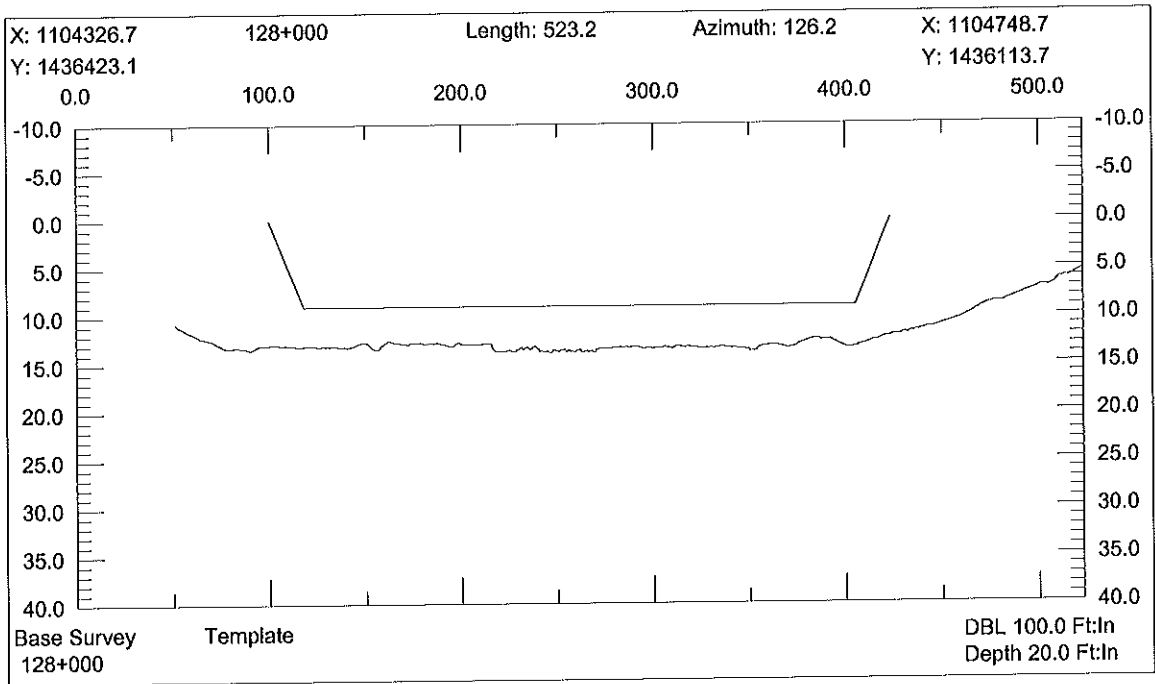


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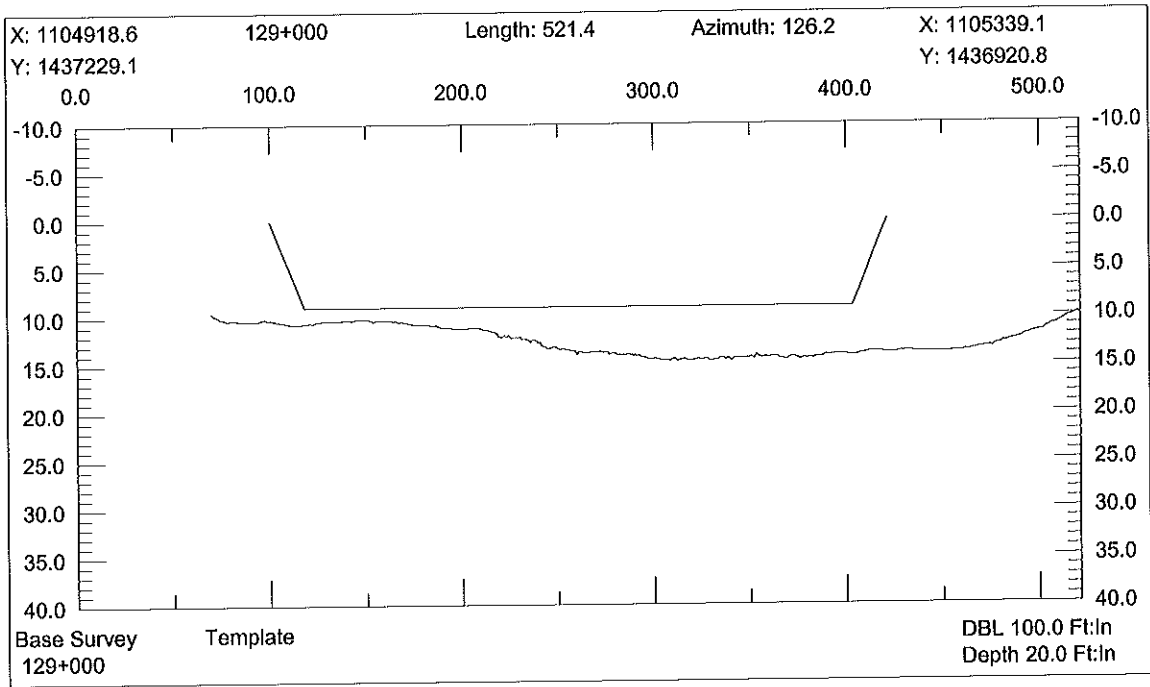


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Sheet 2 Of 19	Base Survey
Project	Project
Job	
Area	Area
Surveyor	SurveyorName
Date	06-10-2005
File	1ftSort.log

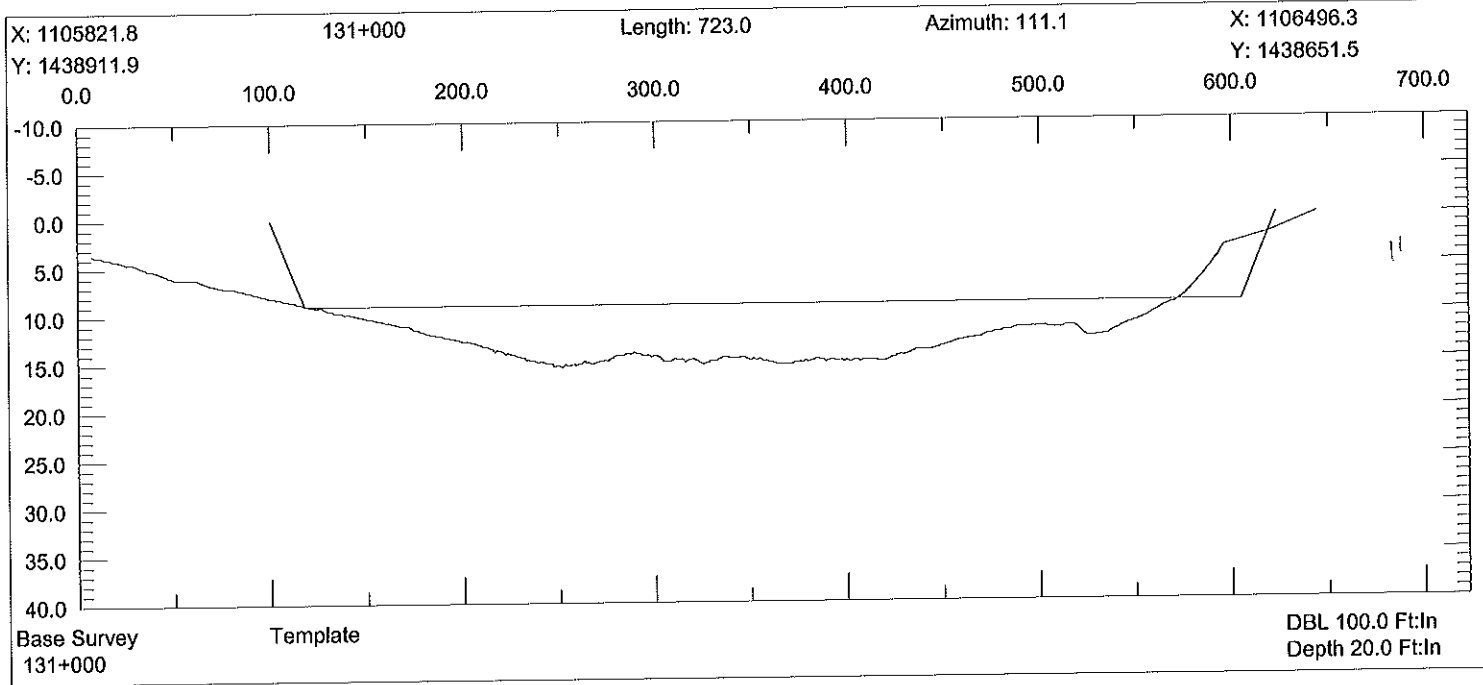
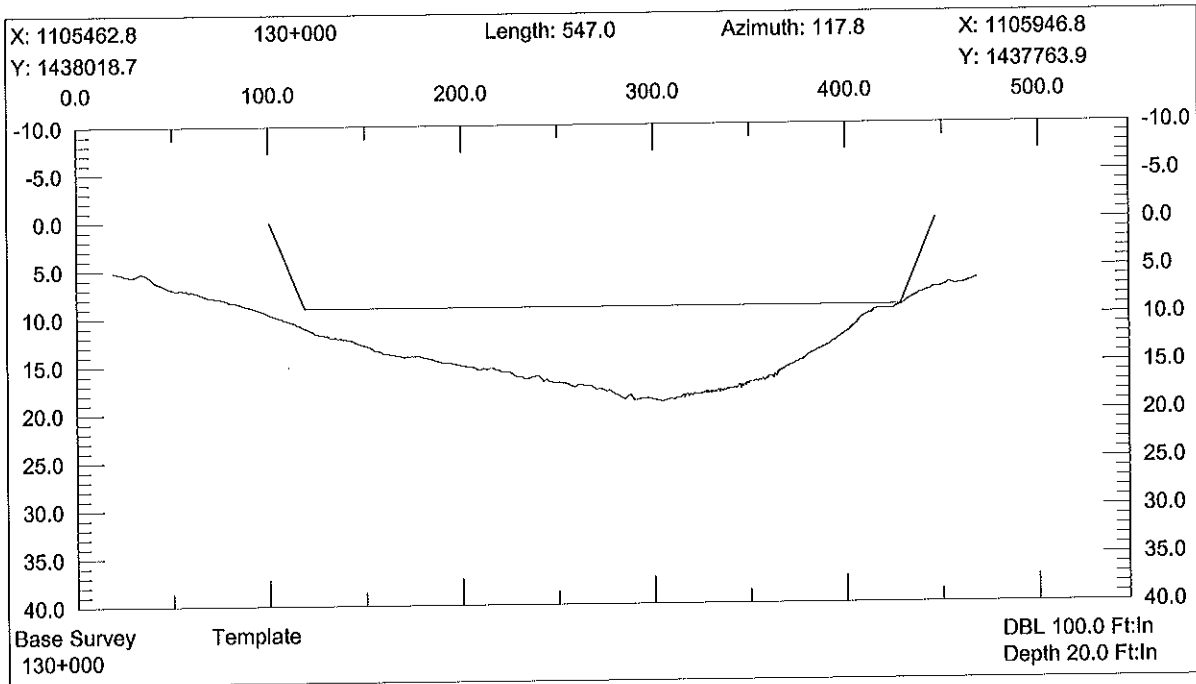


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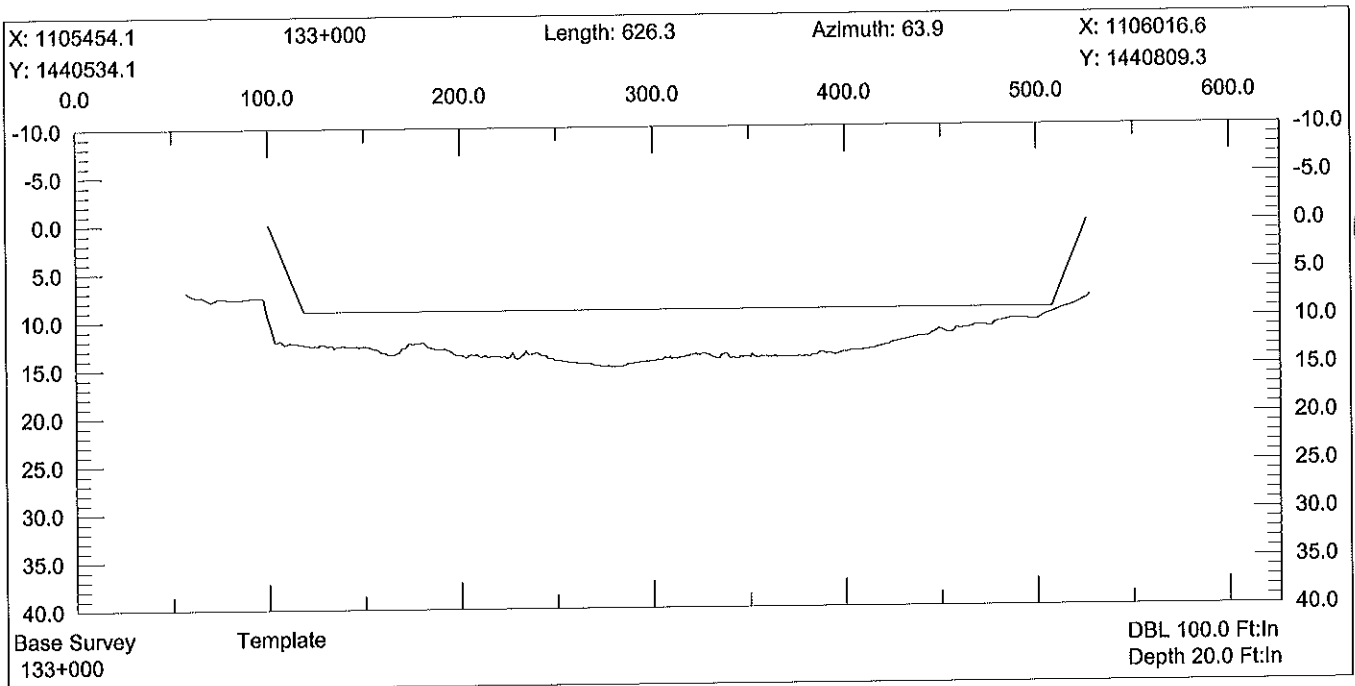
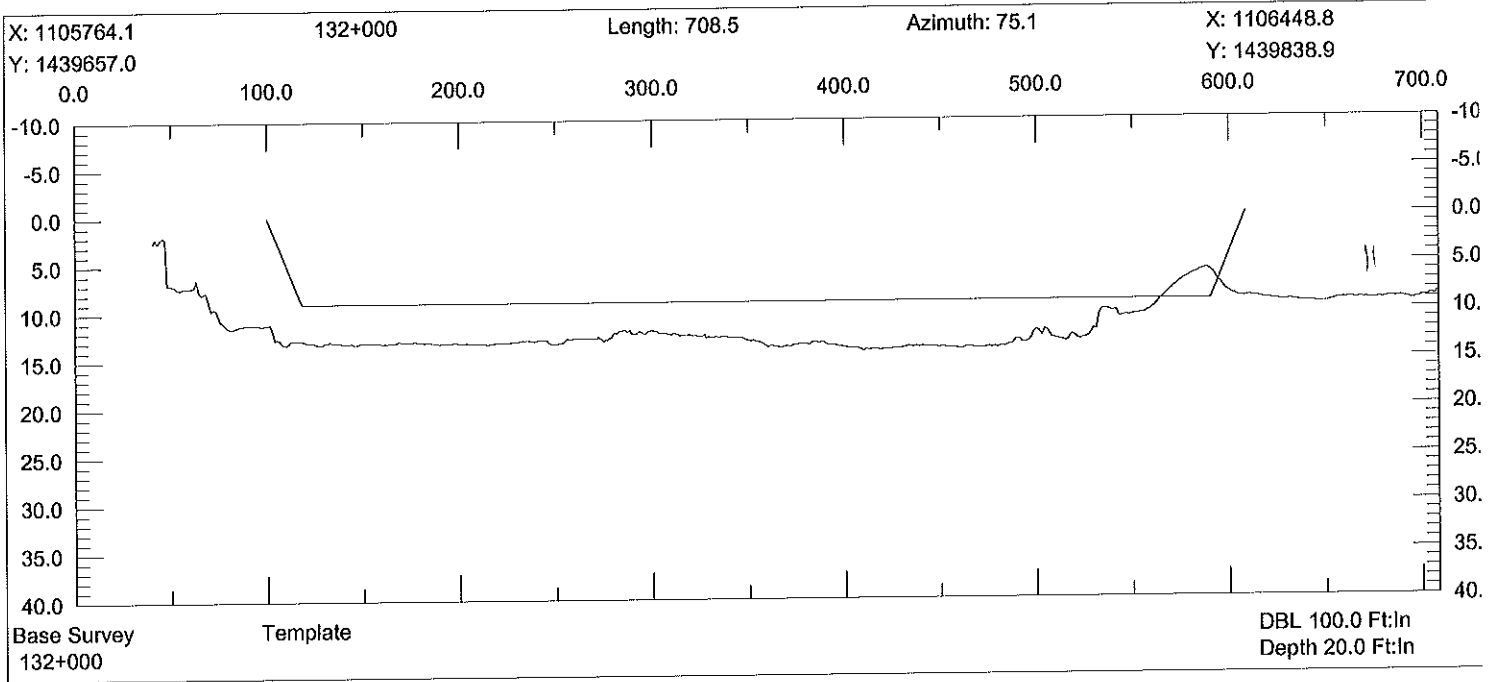


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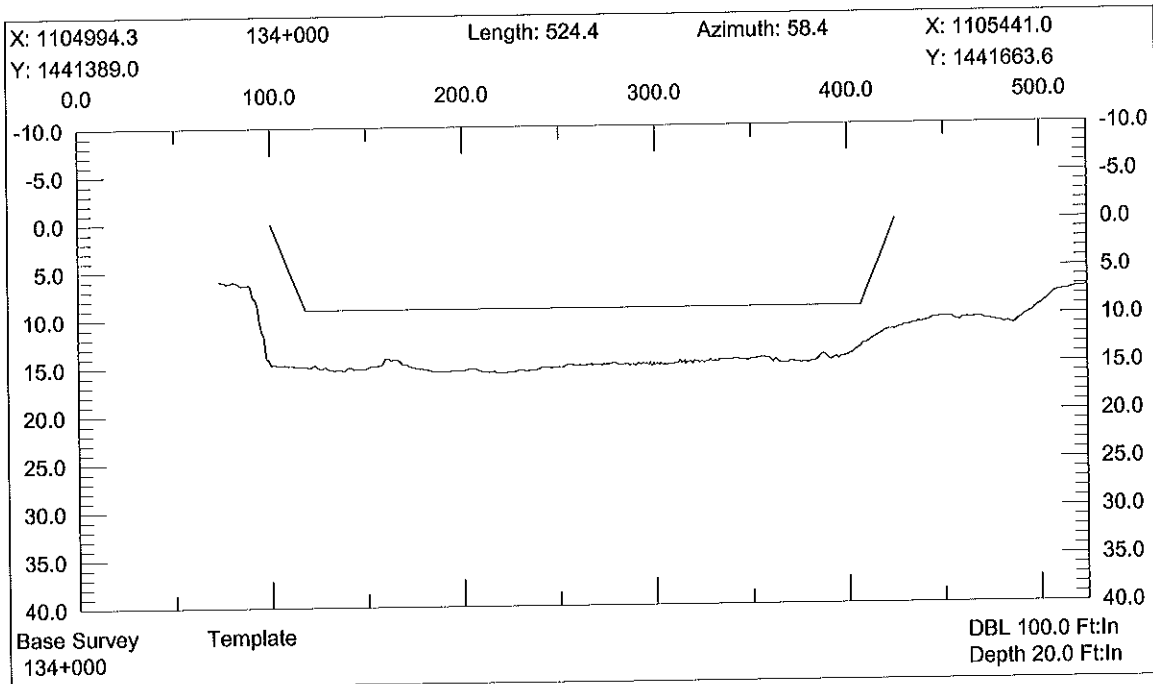
Sheet 3 Of 19	Base Survey
Project	Project
Job	
Area	Area
Surveyor	SurveyorName
Date	06-10-2005
File	1ftSort.log



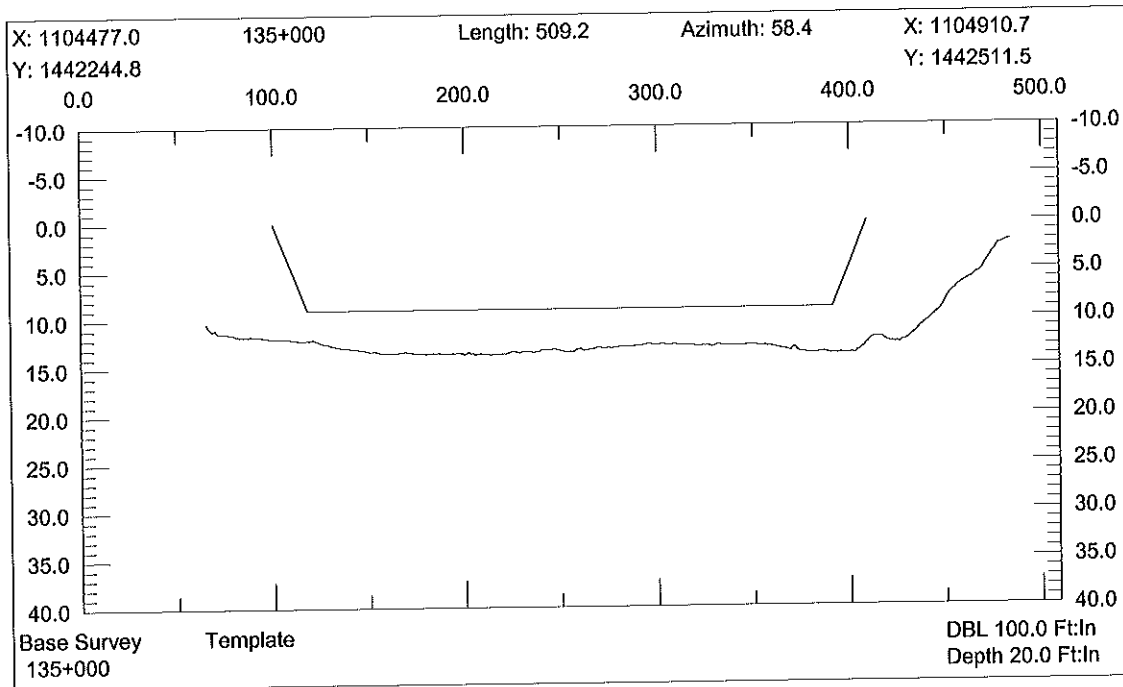
Sheet 4 Of 19	Base Survey
Project	Project
Job	
Area	Area
Surveyor	SurveyorName
Date	06-10-2005
File	1ftSort.log



Sheet 5 Of 19	Base Survey
Project	Project
Job	
Area	Area
Surveyor	SurveyorName
Date	06-10-2005
File	1ftSort.log

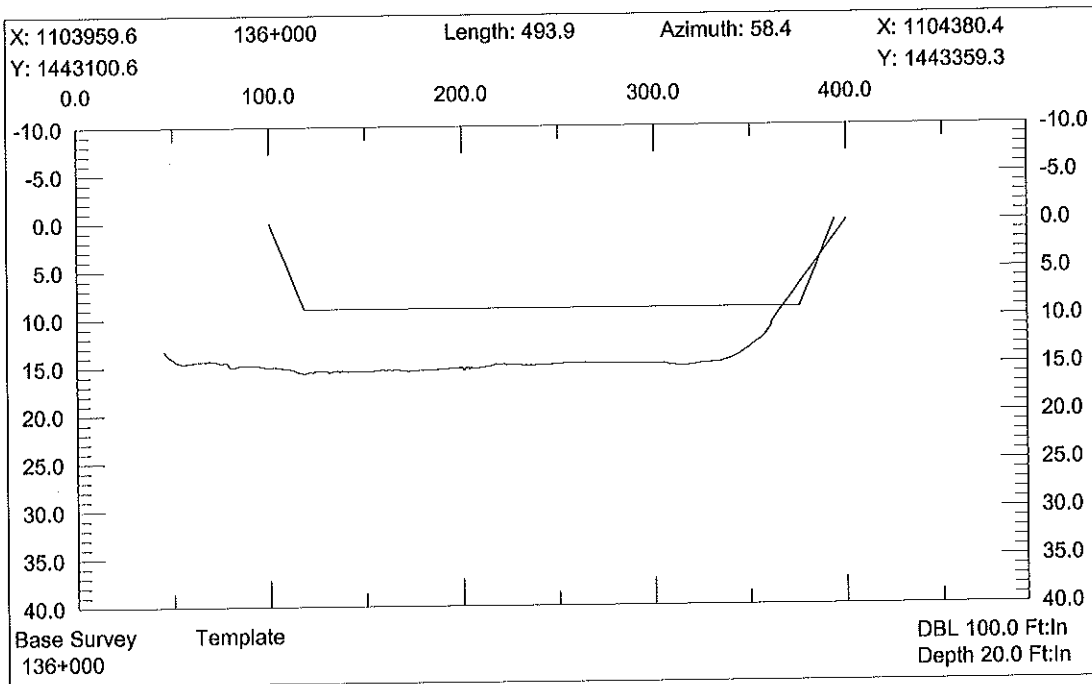


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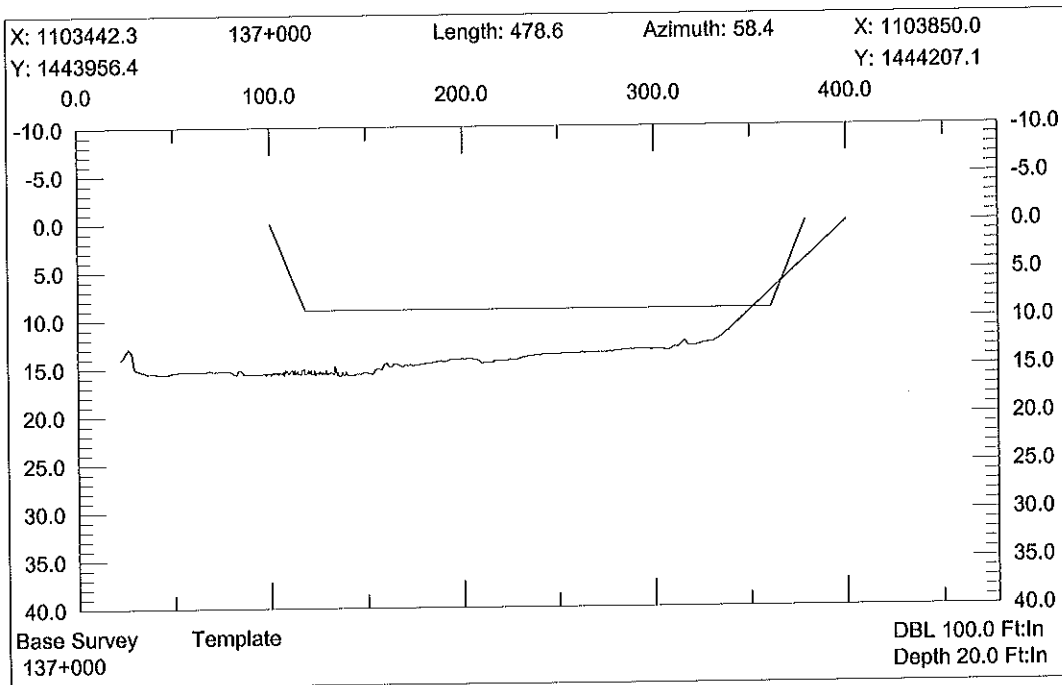


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Sheet 6 Of 19	Base Survey
Project	Project
Job	
Area	Area
Surveyor	SurveyorName
Date	06-10-2005
File	1ftSort.log



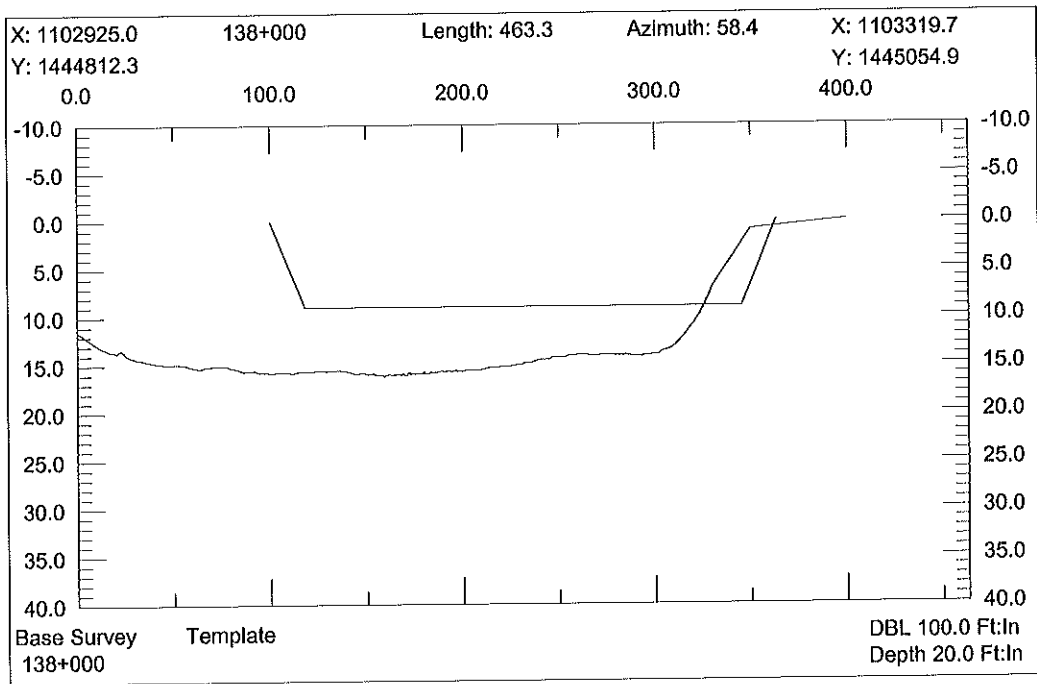
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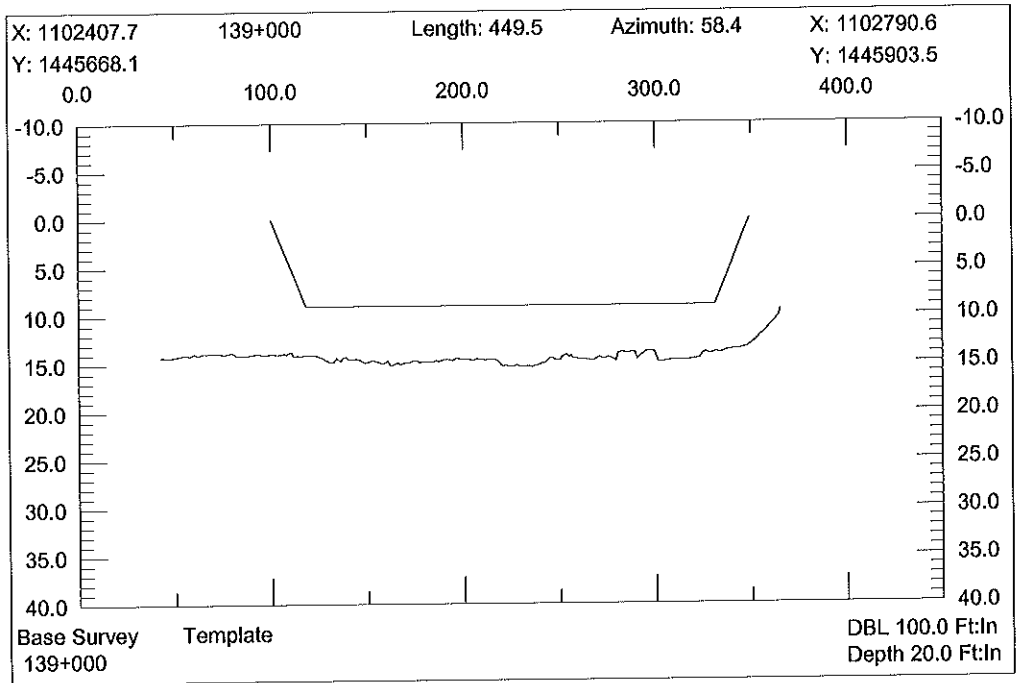
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Sheet 7 Of 19	Base Survey
Project	Project
Job	
Area	Area
Surveyor	SurveyorName
Date	06-10-2005
File	1ftSort.log





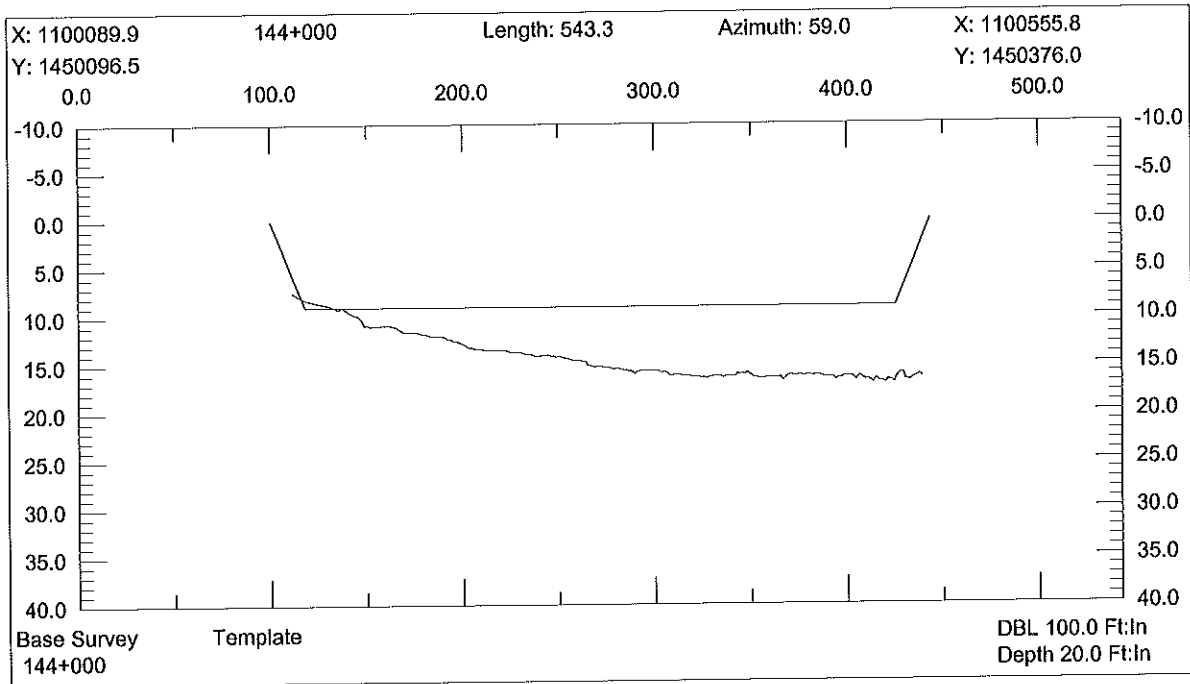
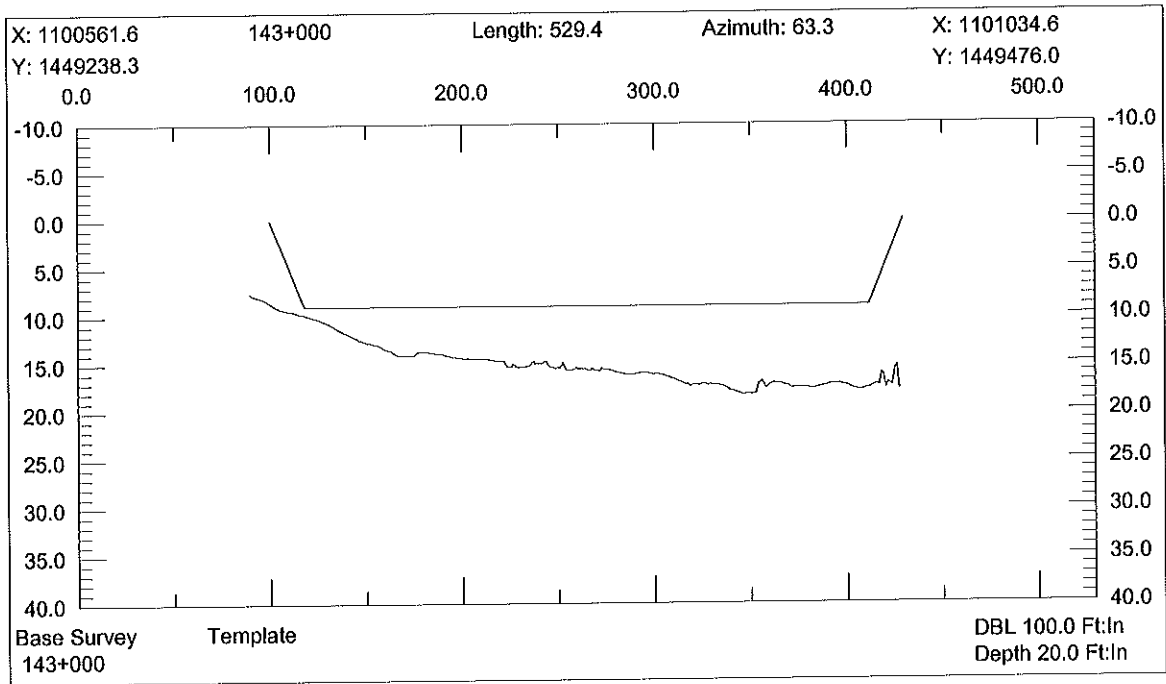
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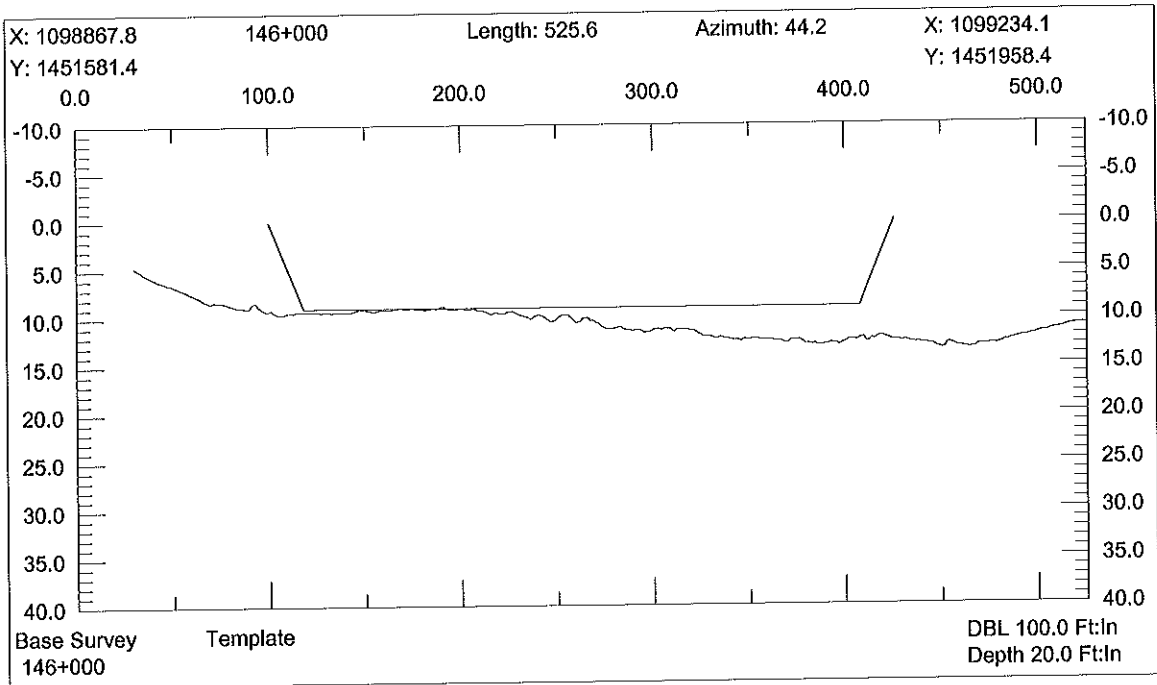
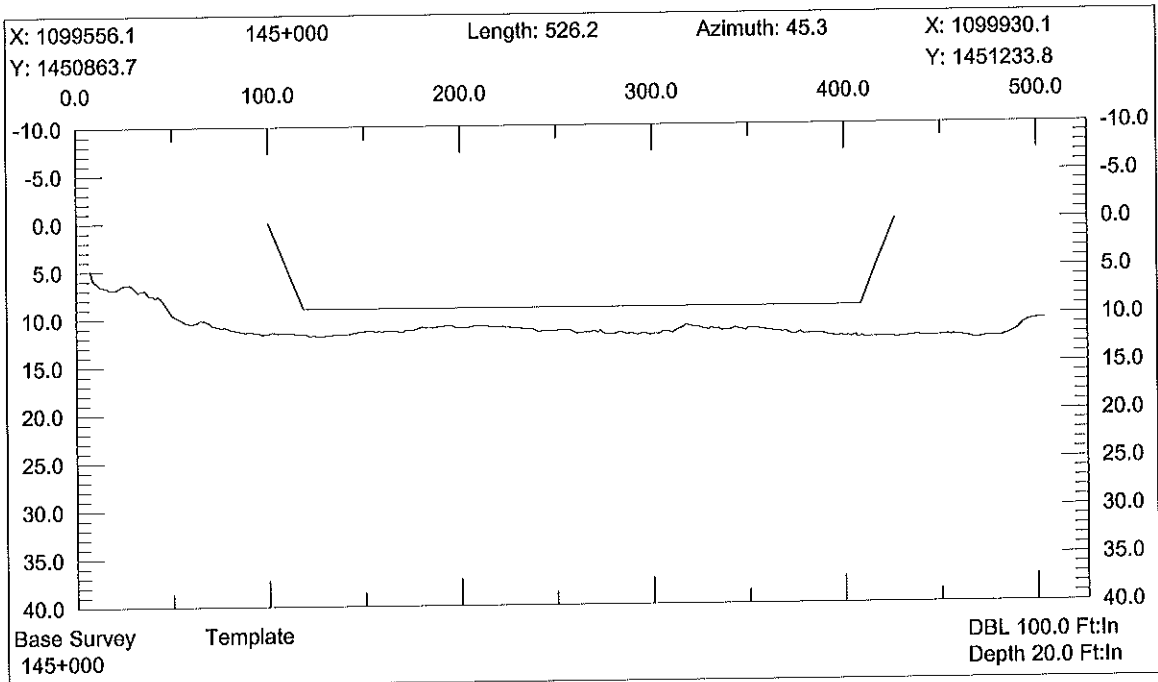
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Sheet 8 Of 19	Base Survey
Project	Project
Job	
Area	Area
Surveyor	SurveyorName
Date	06-10-2005
File	1ftSort.log

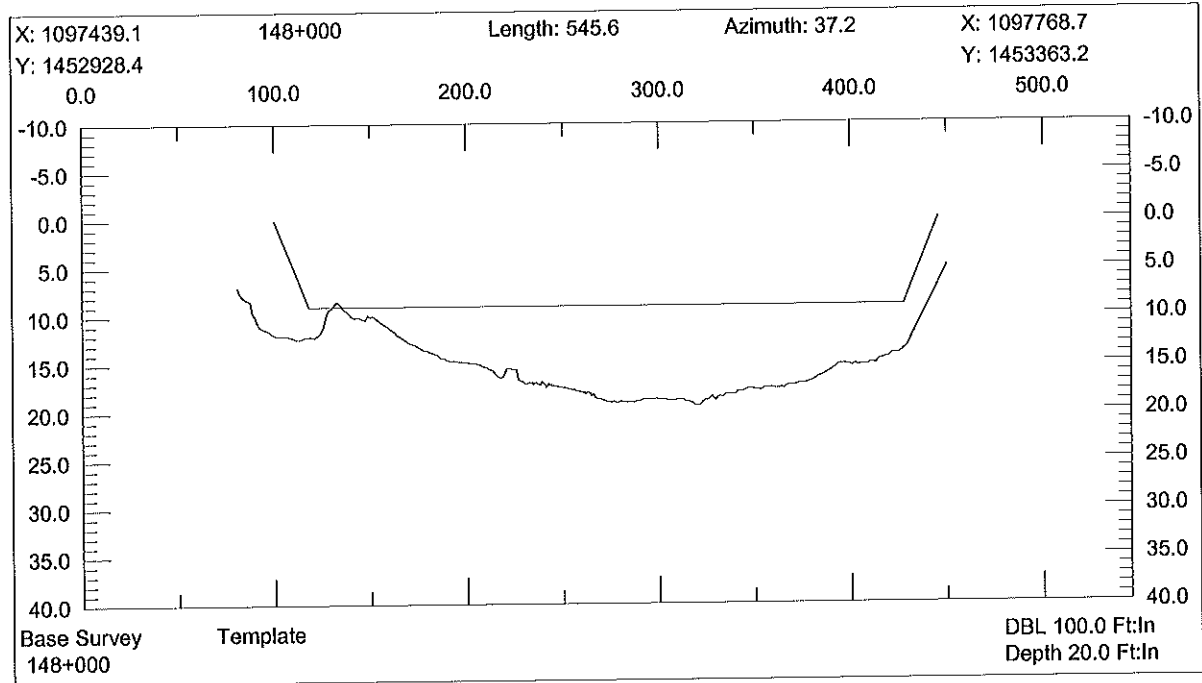
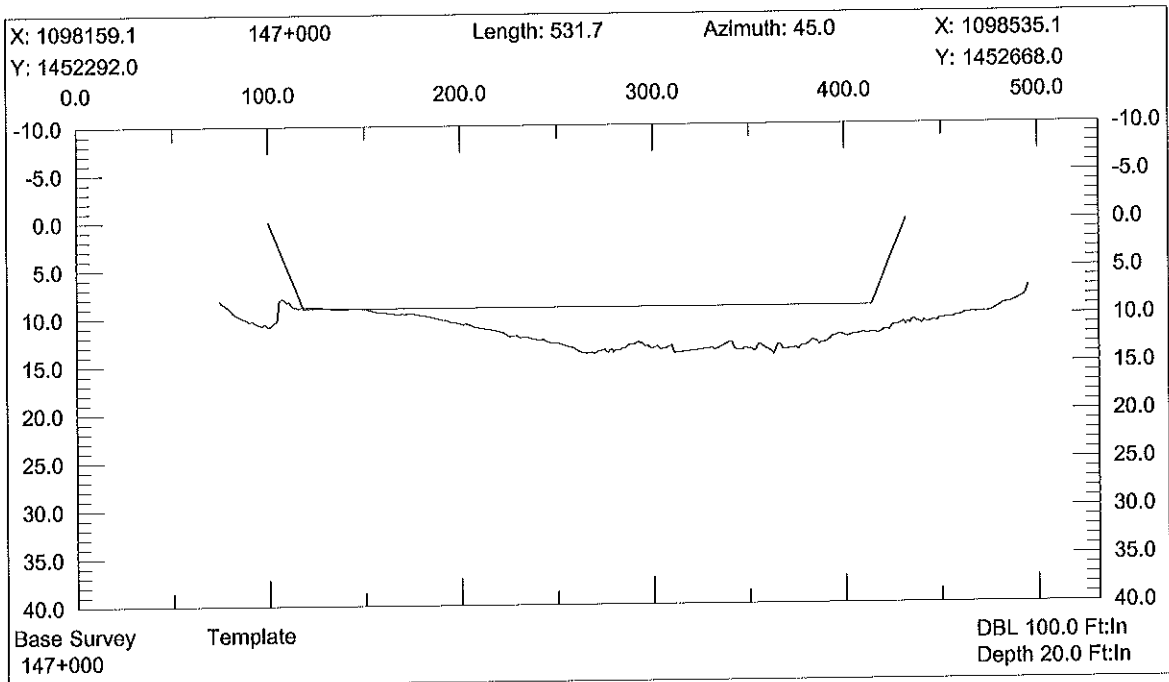




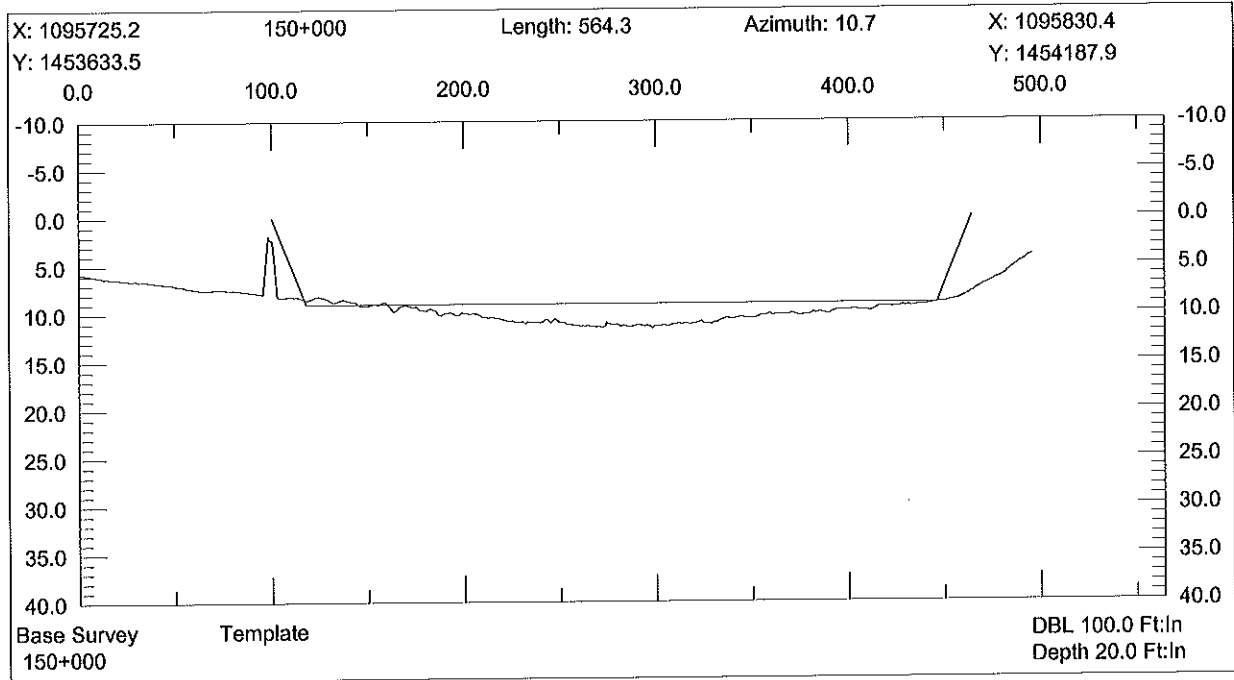
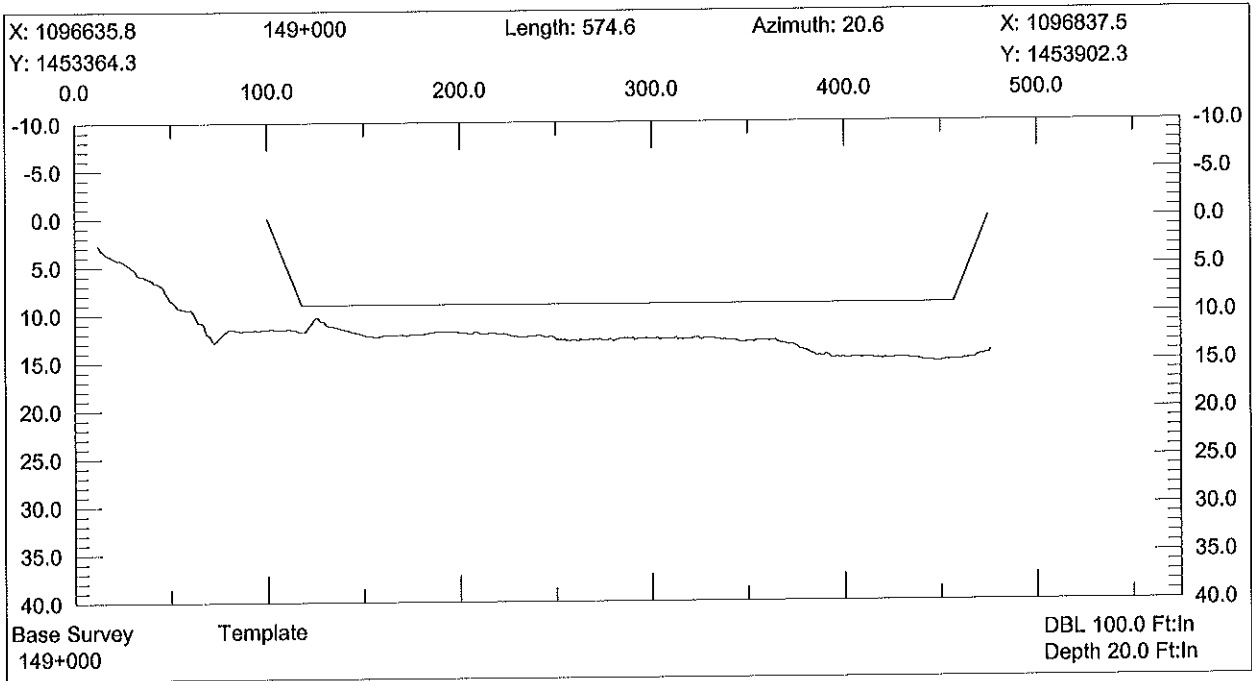
Sheet 10 Of 19	Base Survey
Project	Project
Job	
Area	Area
Surveyor	SurveyorName
Date	06-10-2005
File	1ftSort.log



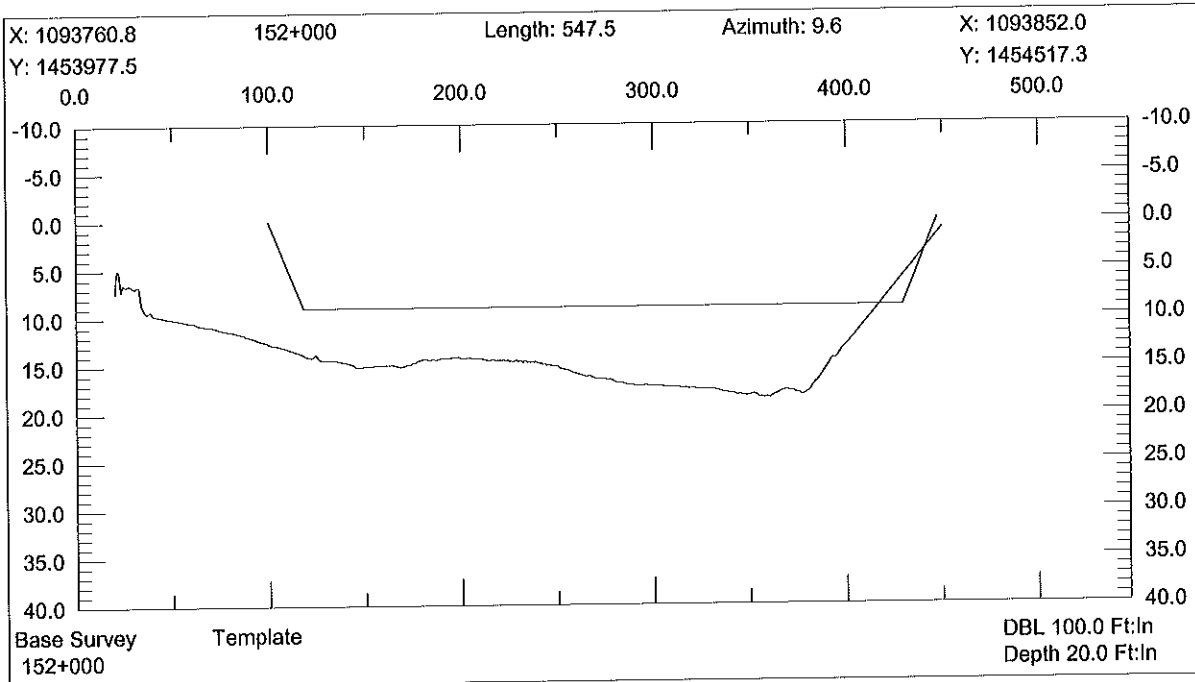
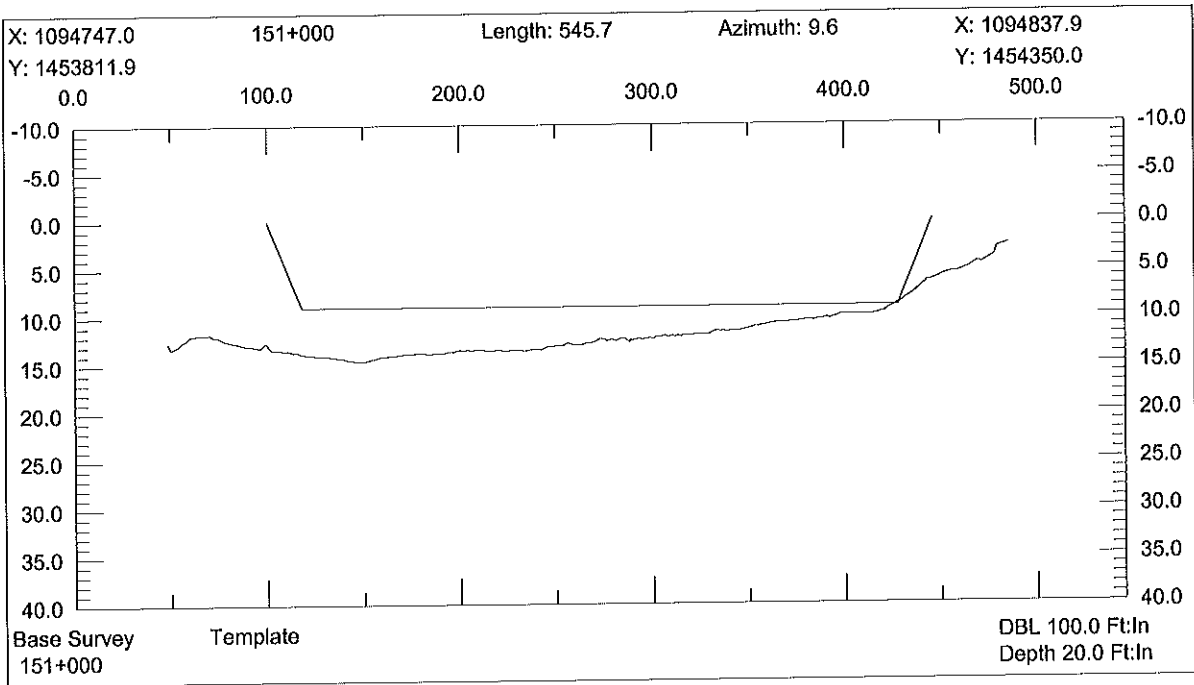
Sheet 11 Of 19	Base Survey
Project	Project
Job	
Area	Area
Surveyor	SurveyorName
Date	06-10-2005
File	1ftSort.log



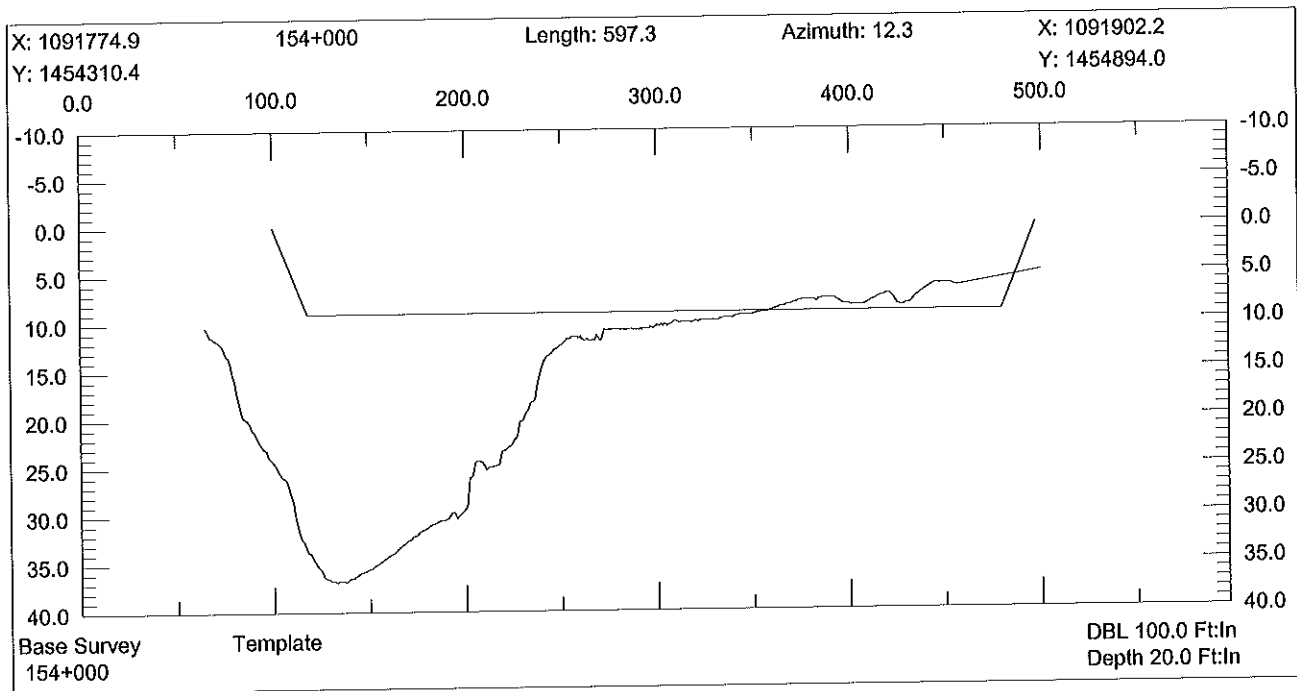
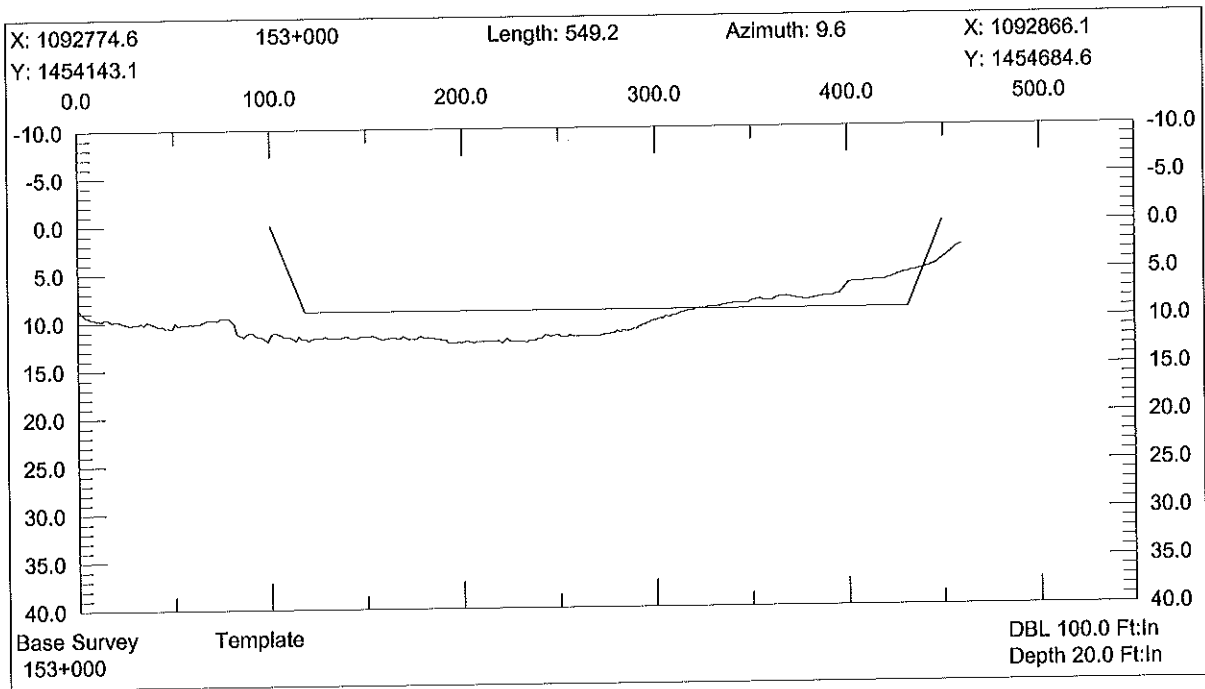
Sheet 12 Of 19	Base Survey
Project	Project
Job	
Area	Area
Surveyor	SurveyorName
Date	06-10-2005
File	1ftSort.log



Sheet 13 Of 19	Base Survey
Project	Project
Job	
Area	Area
Surveyor	SurveyorName
Date	06-10-2005
File	1ftSort.log

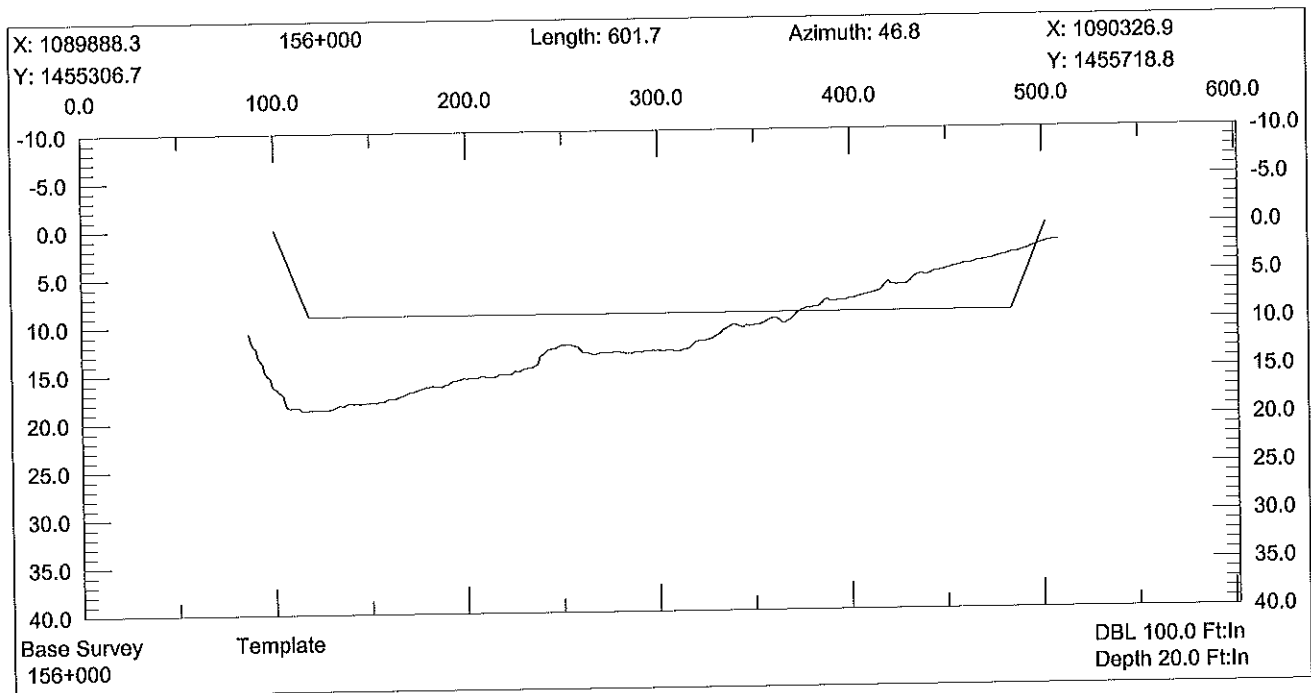
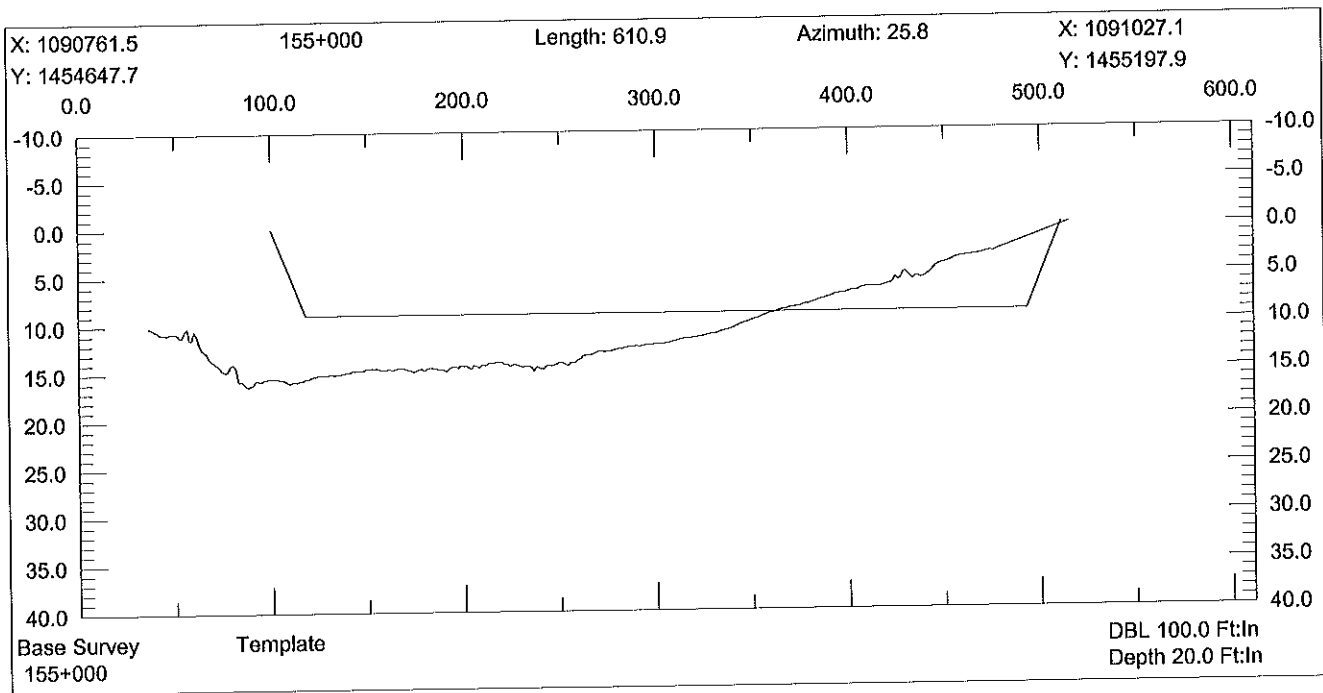


Sheet 14 Of 19	Base Survey
Project	Project
Job	
Area	Area
Surveyor	SurveyorName
Date	06-10-2005
File	1ftSort.log

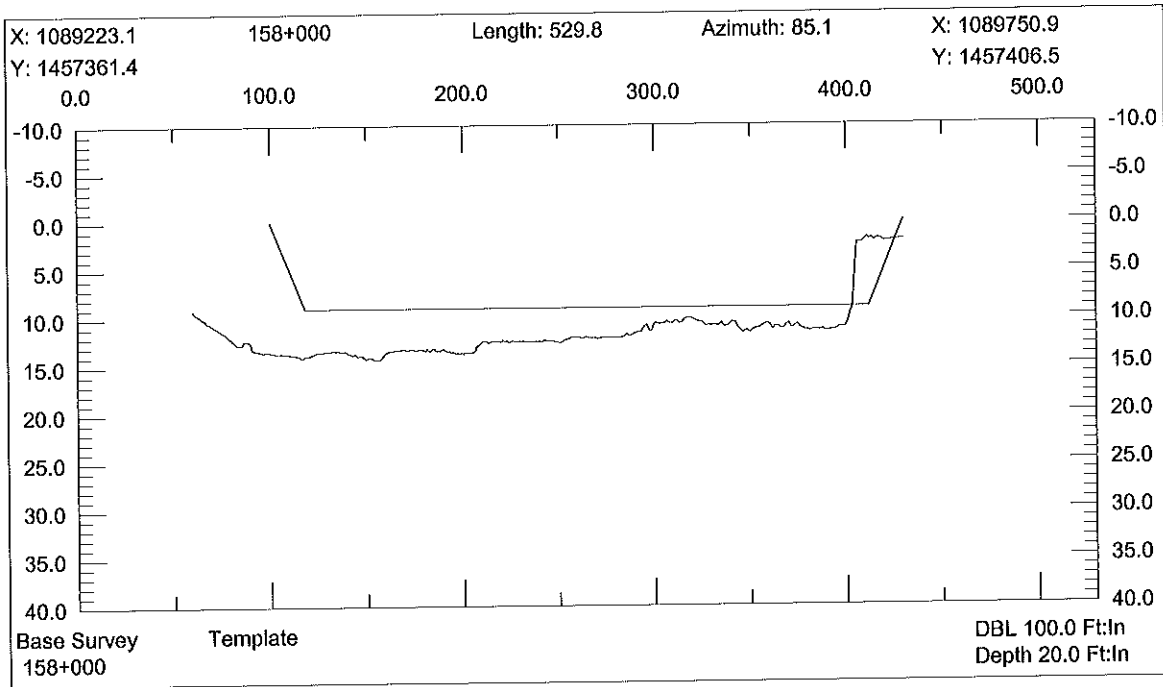
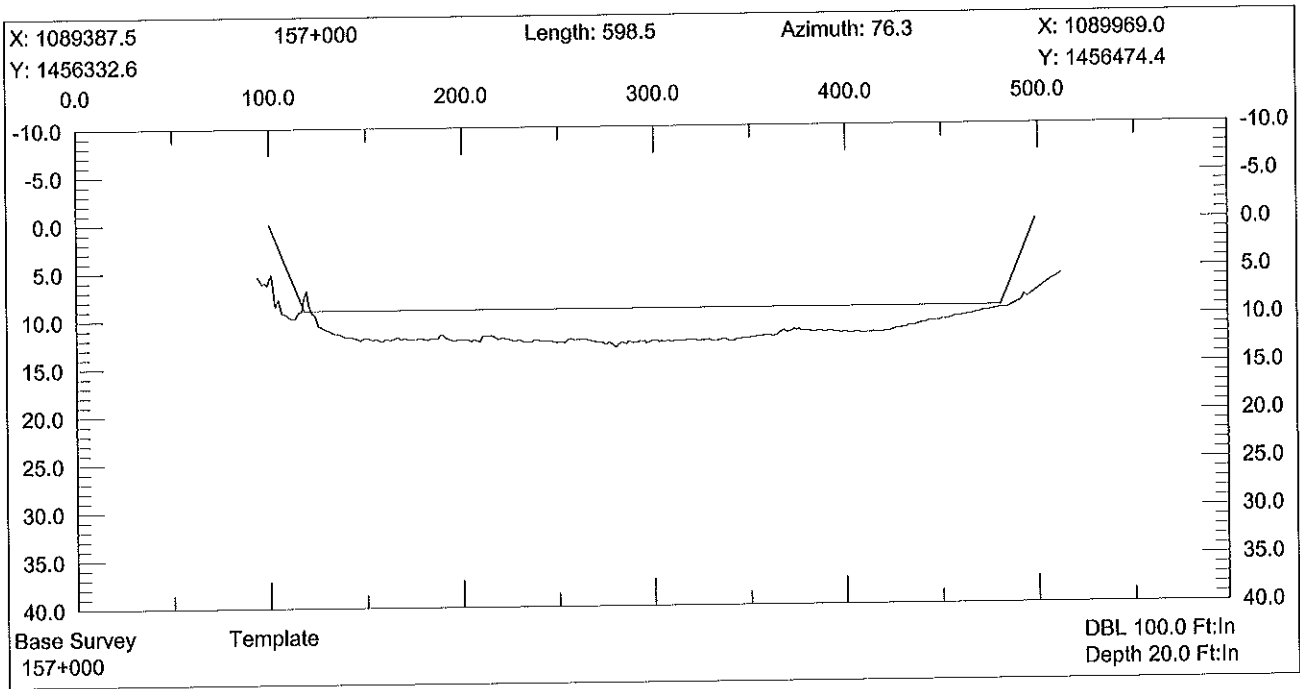


Sheet 15 Of 19	Base Survey
Project	Project
Job	
Area	Area
Surveyor	SurveyorName
Date	06-10-2005
File	1ftSort.log

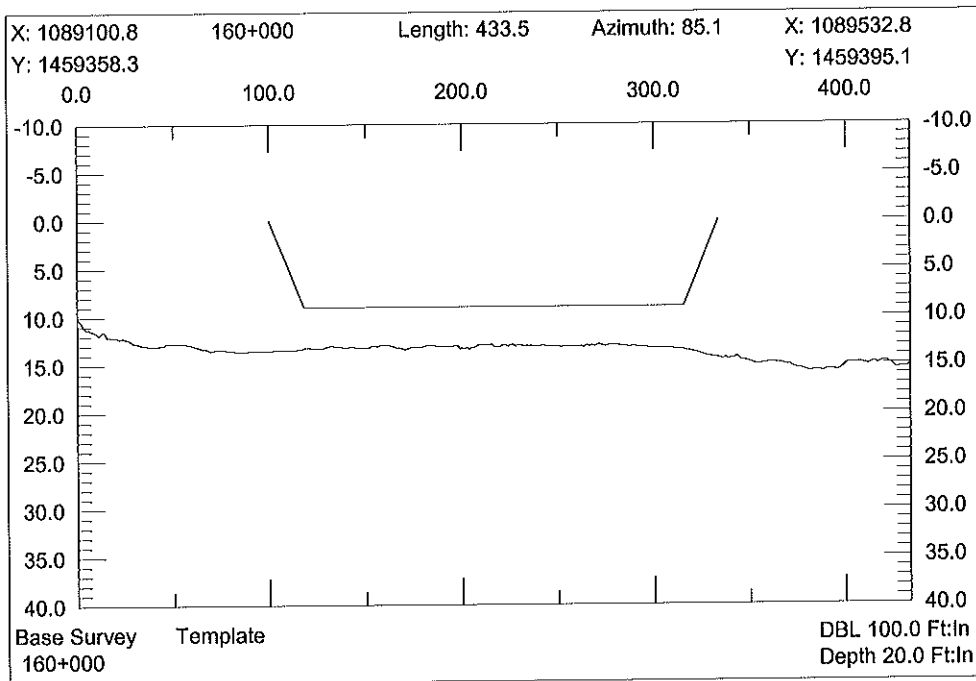
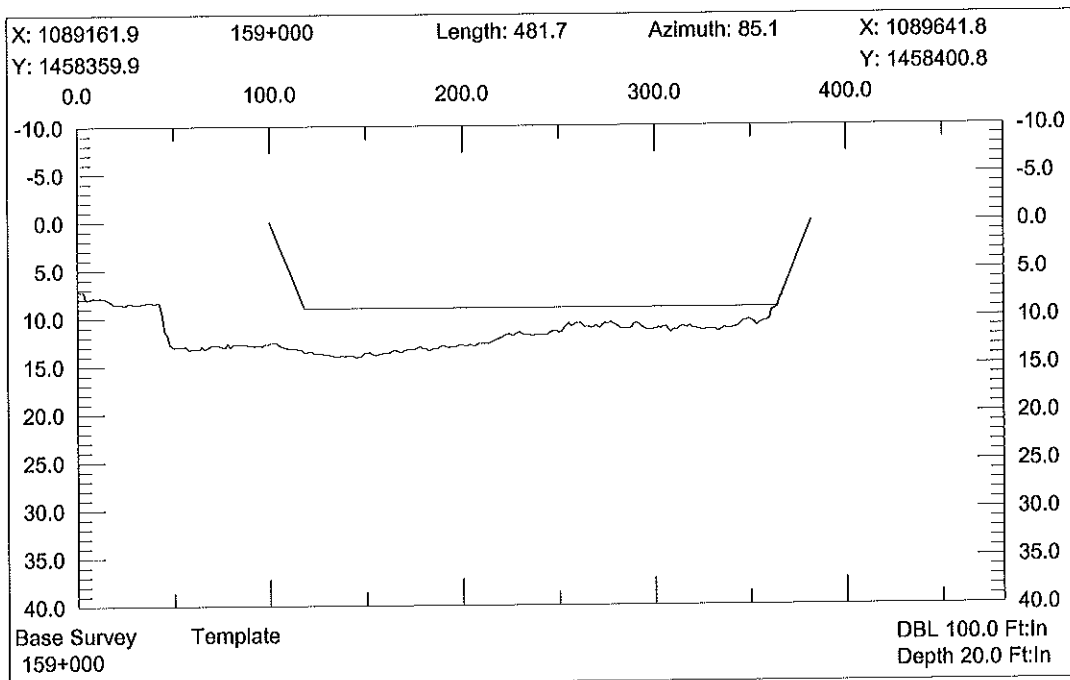




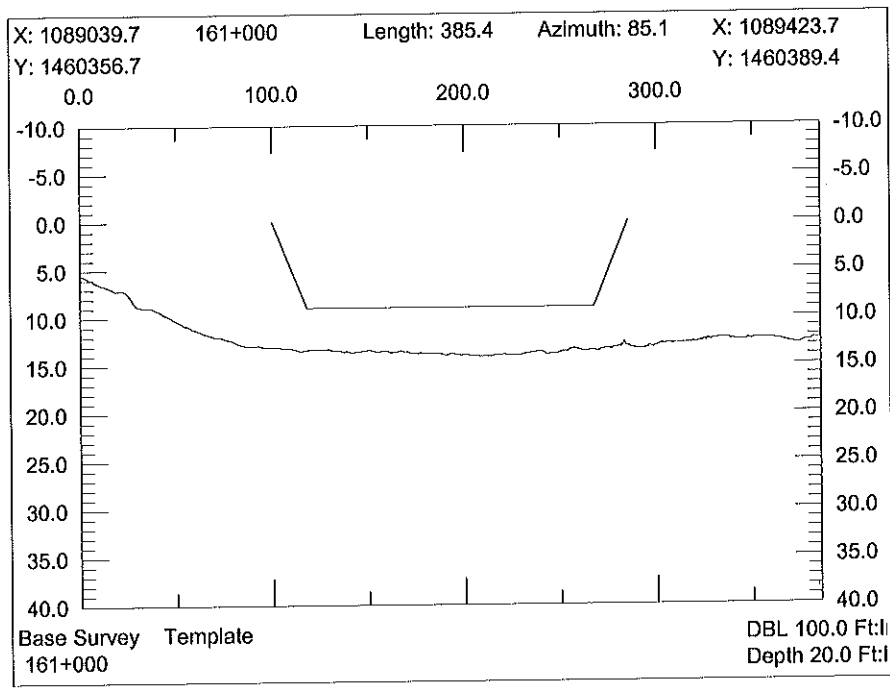
Sheet 16 Of 19	Base Survey
Project	Project
Job	
Area	Area
Surveyor	SurveyorName
Date	06-10-2005
File	1ftSort.log



Sheet 17 Of 19	Base Survey
Project	Project
Job	
Area	Area
Surveyor	SurveyorName
Date	06-10-2005
File	1ftSort.log

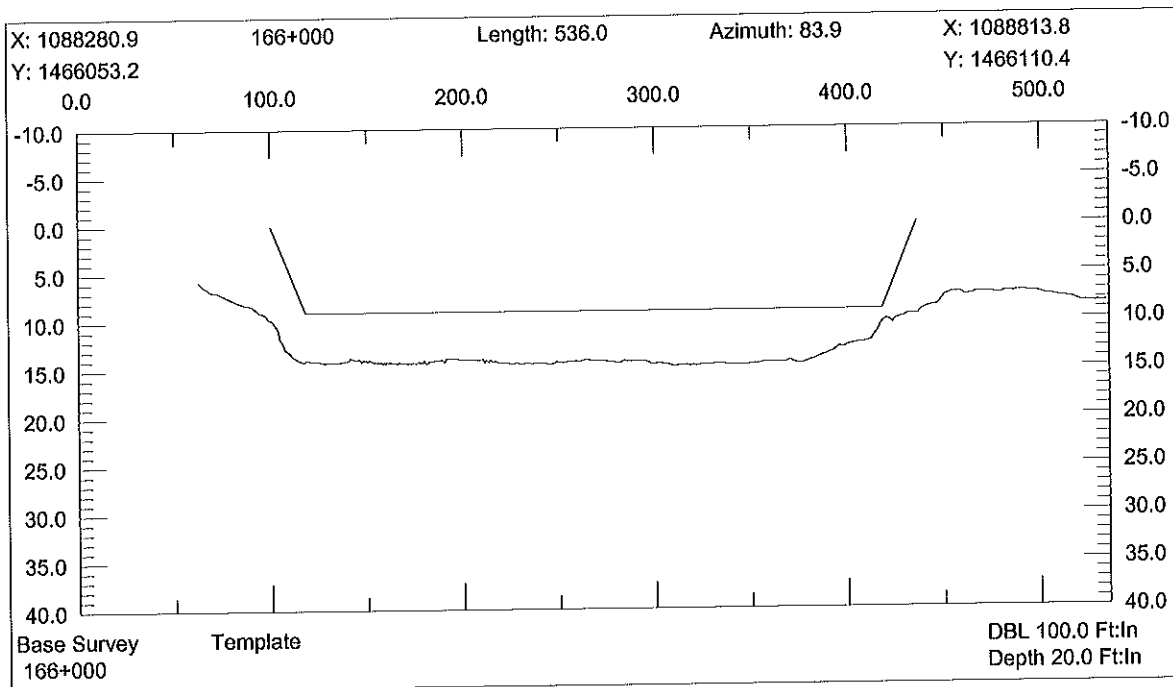
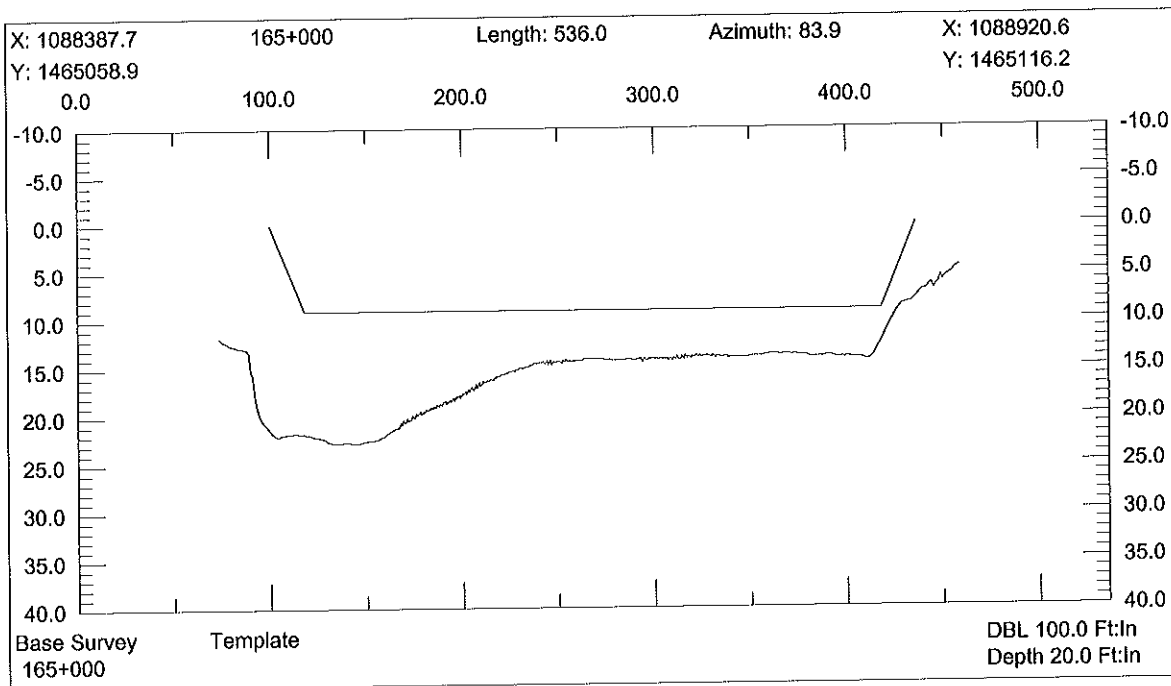


Sheet 18 Of 19	Base Survey
Project	Project
Job	
Area	Area
Surveyor	SurveyorName
Date	06-10-2005
File	1ftSort.log

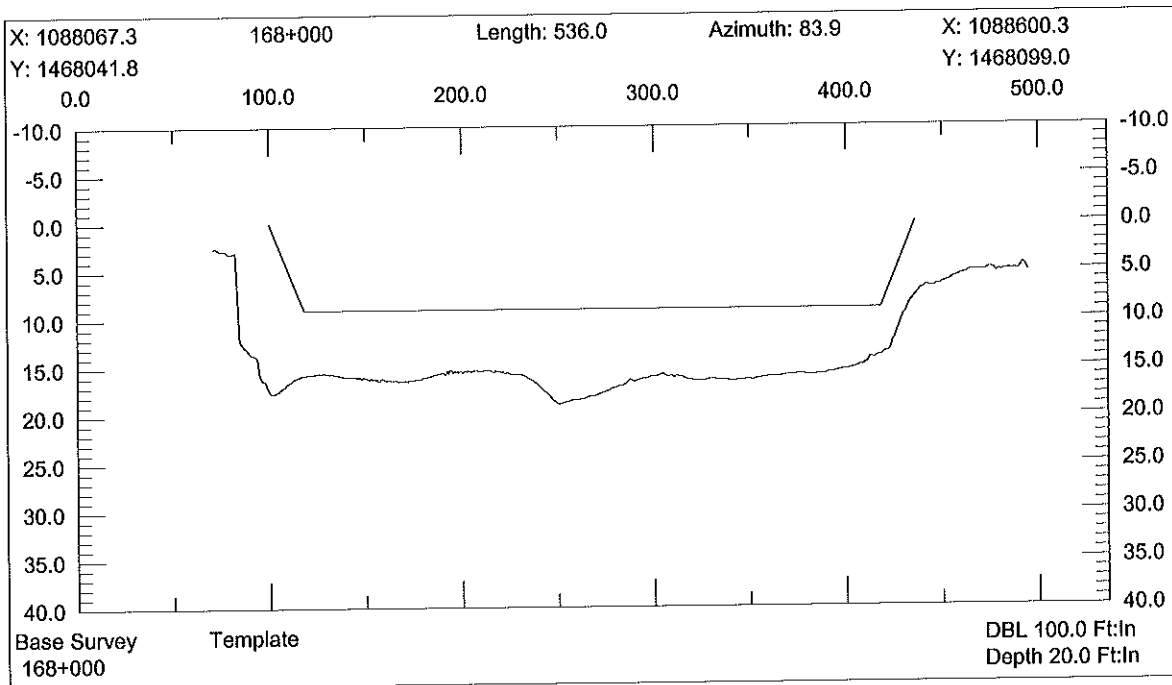
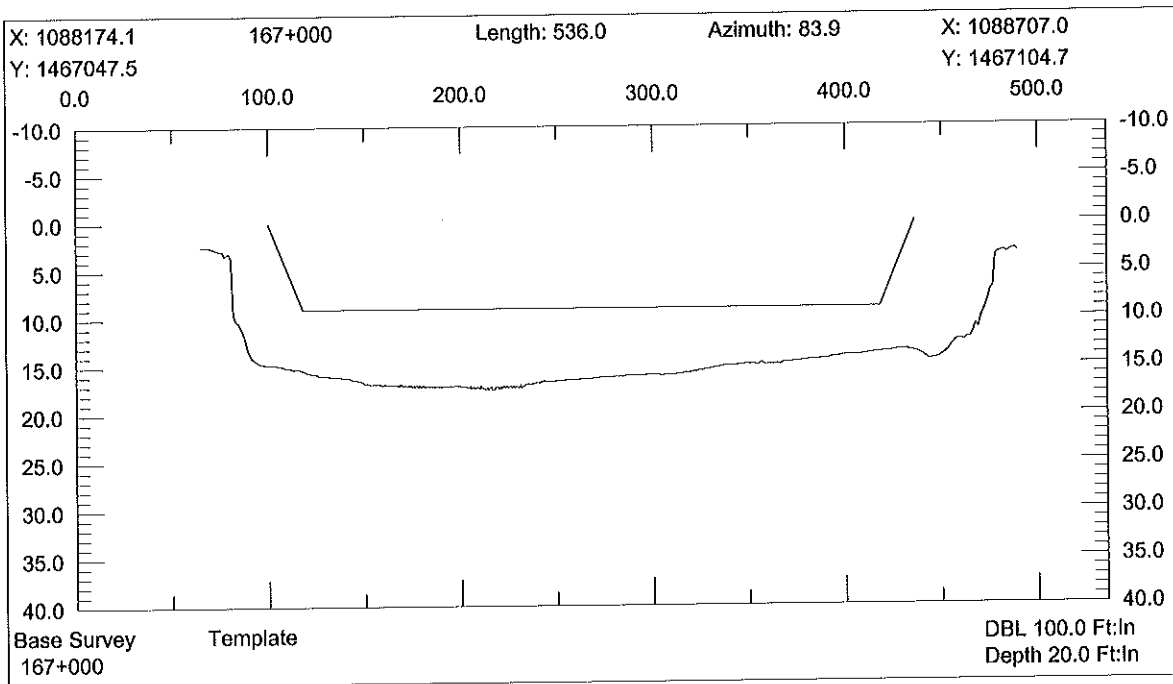


Sheet 19 Of 19	Base Survey
Project	Project
Job	
Area	Area
Surveyor	SurveyorName
Date	06-10-2005
File	1ftSort.log

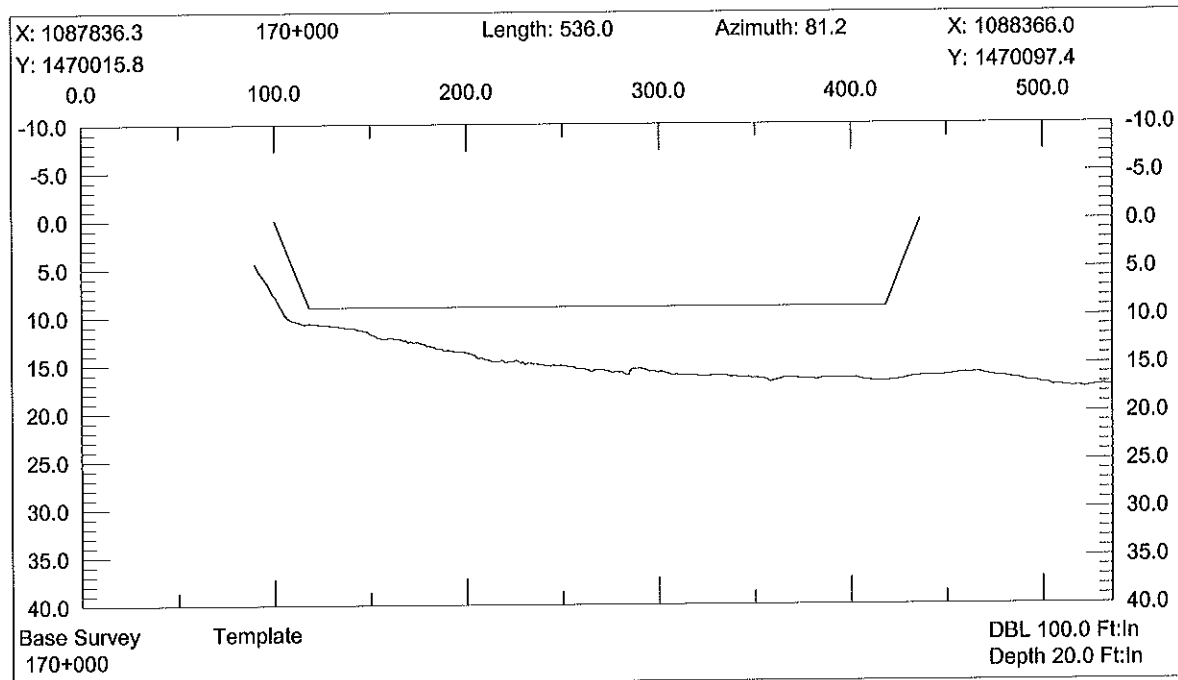
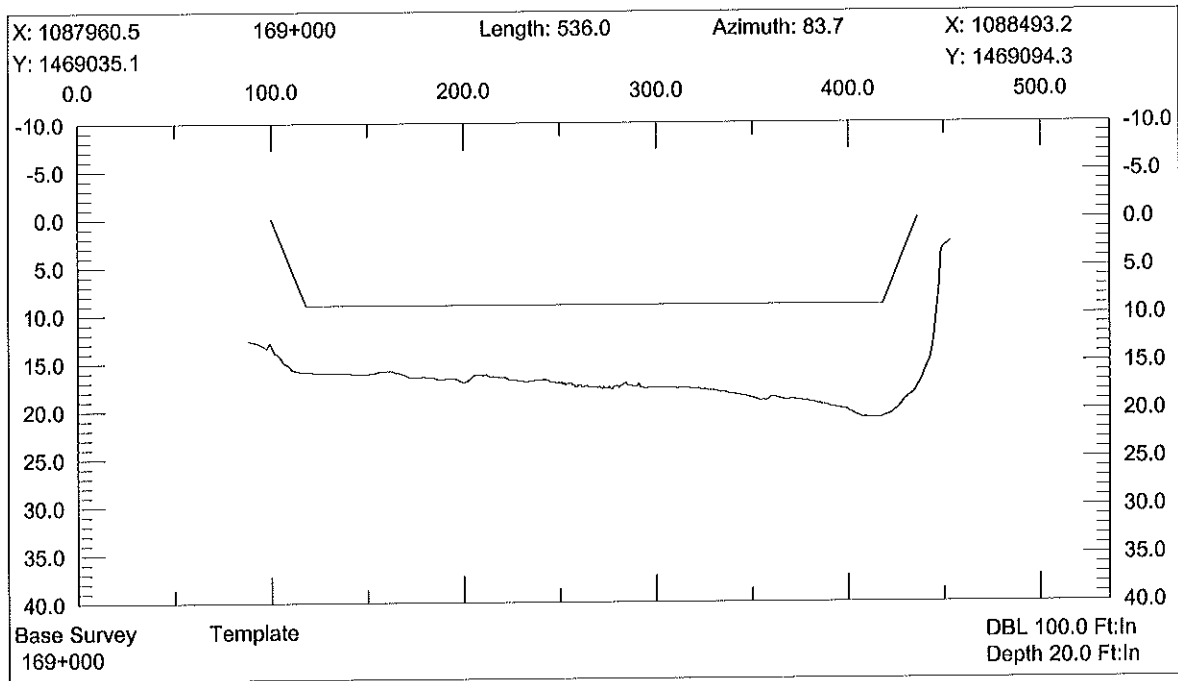




Sheet 2 Of 17	Base Survey
Project	Water Qualit
Job	
Area	Columbus Poo
Surveyor	USACE
Date	06-10-2005
File	1ftSort.log

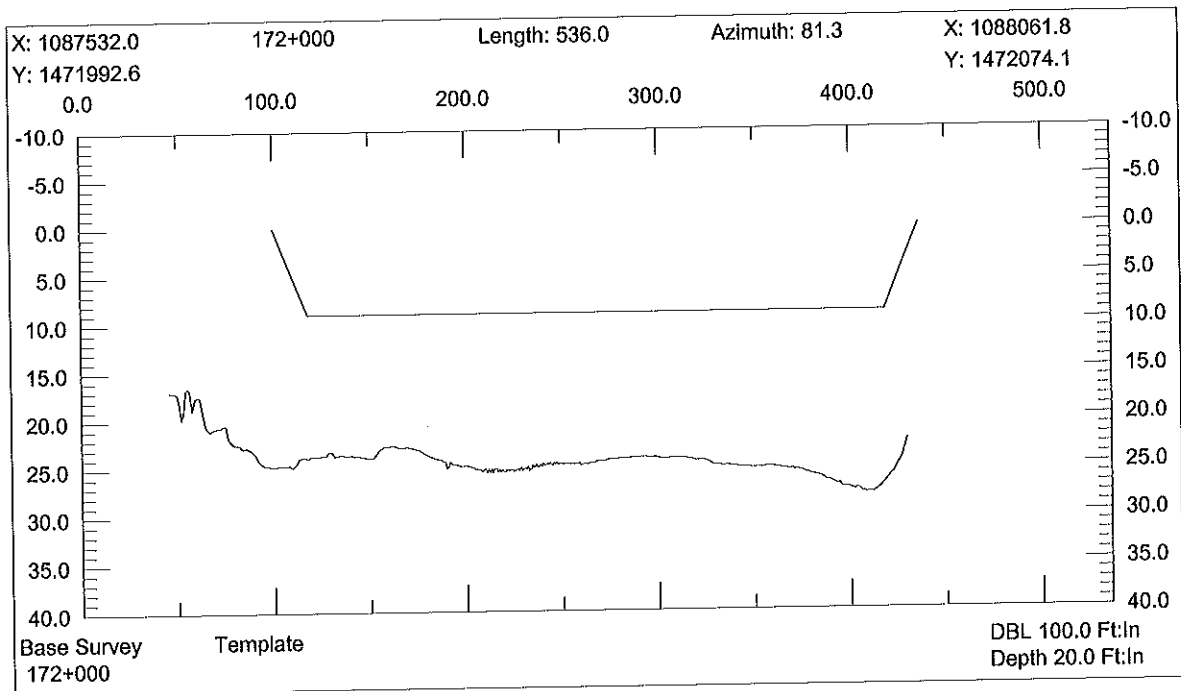
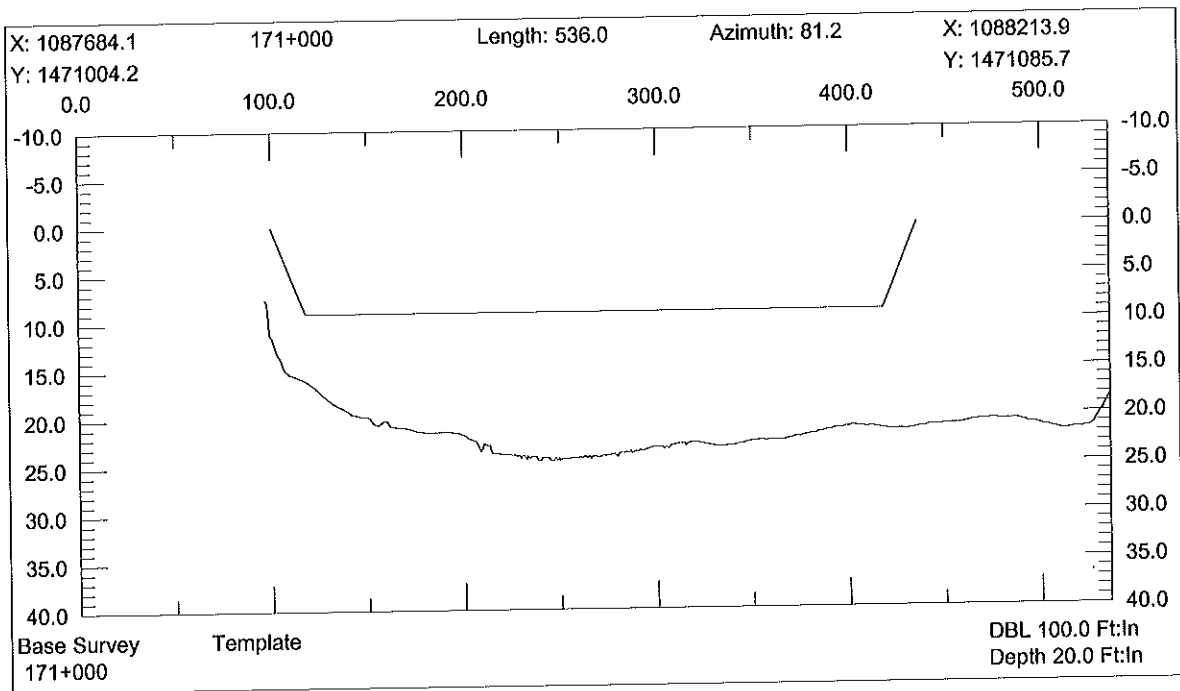


Sheet 3 Of 17	Base Survey
Project	Water Qualit
Job	
Area	Columbus Poo
Surveyor	USACE
Date	06-10-2005
File	1ftSort.log

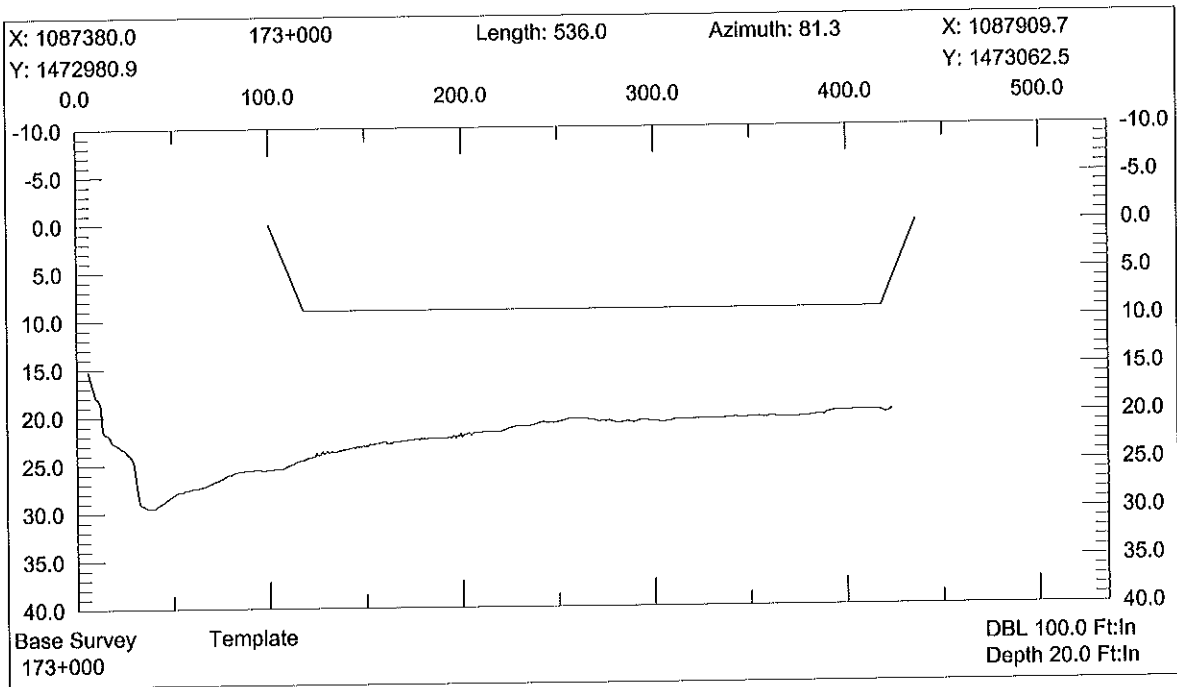


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Project	Water Qualit
Job	
Area	Columbus Poo
Surveyor	USACE
Date	06-10-2005
File	1ftSort.log

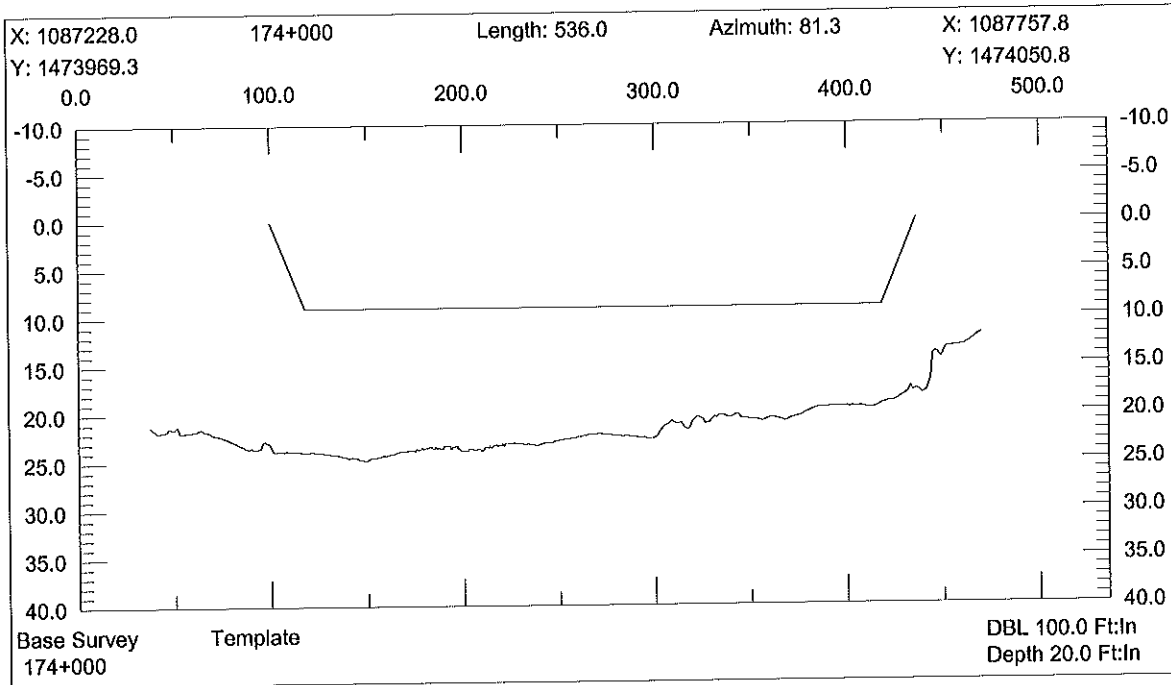




Sheet 5 Of 17	Base Survey
Project	Water Qualit
Job	
Area	Columbus Poo
Surveyor	USACE
Date	06-10-2005
File	1ftSort.log

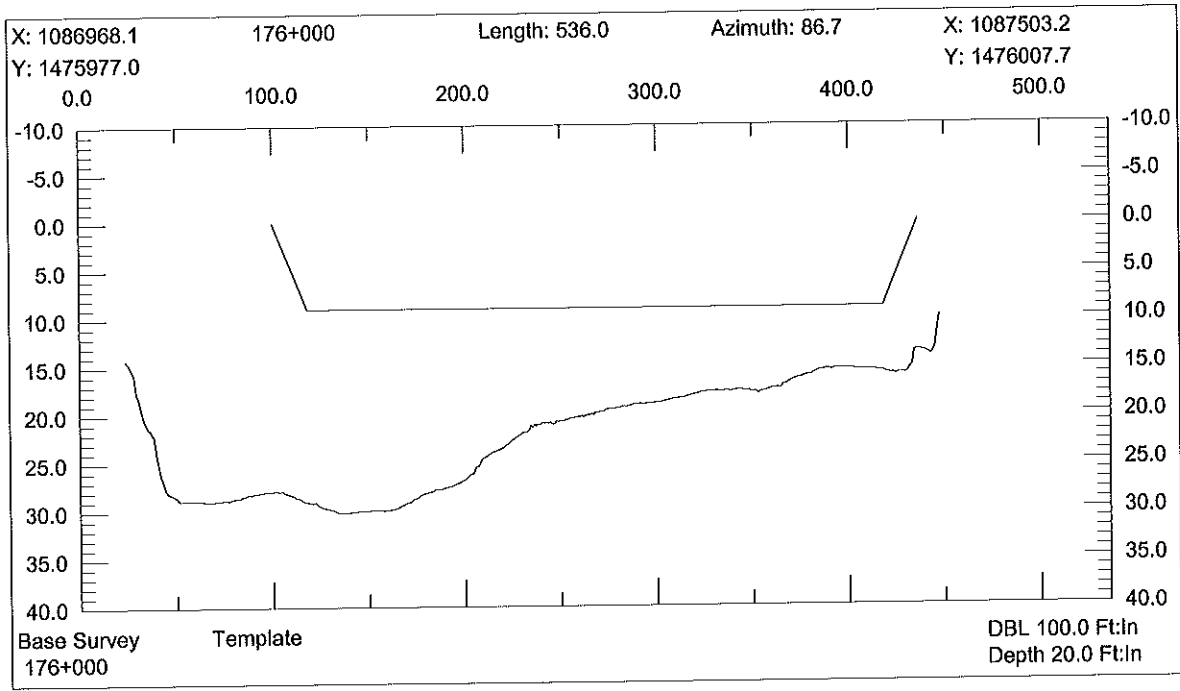
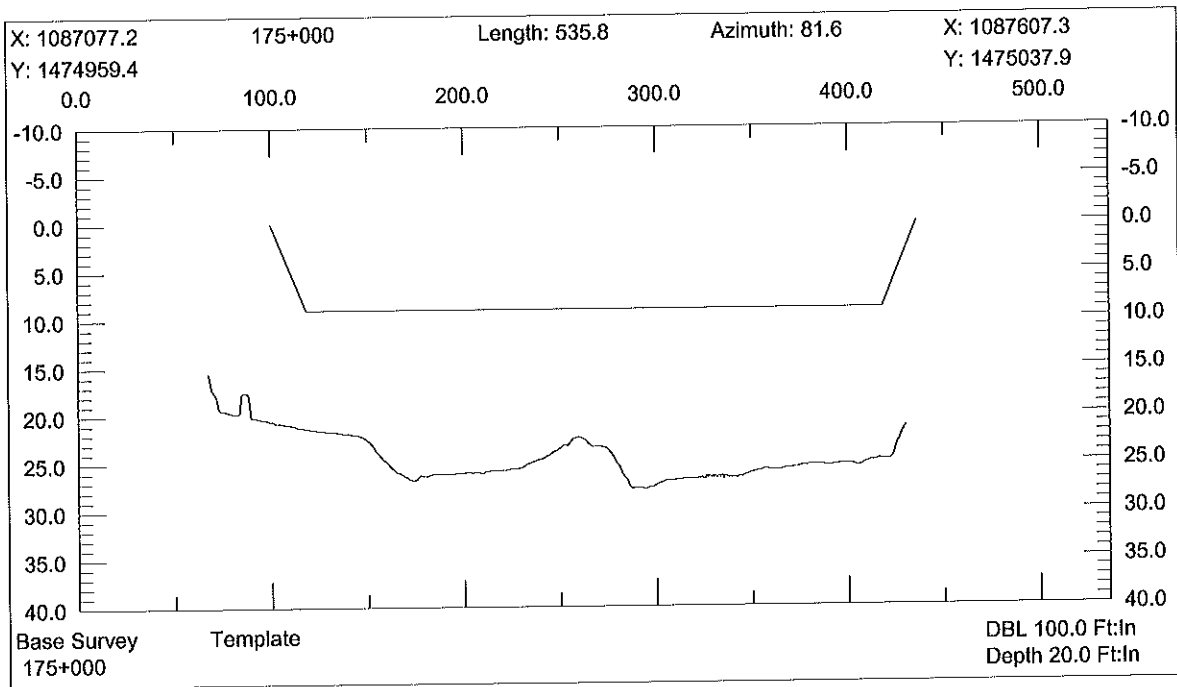


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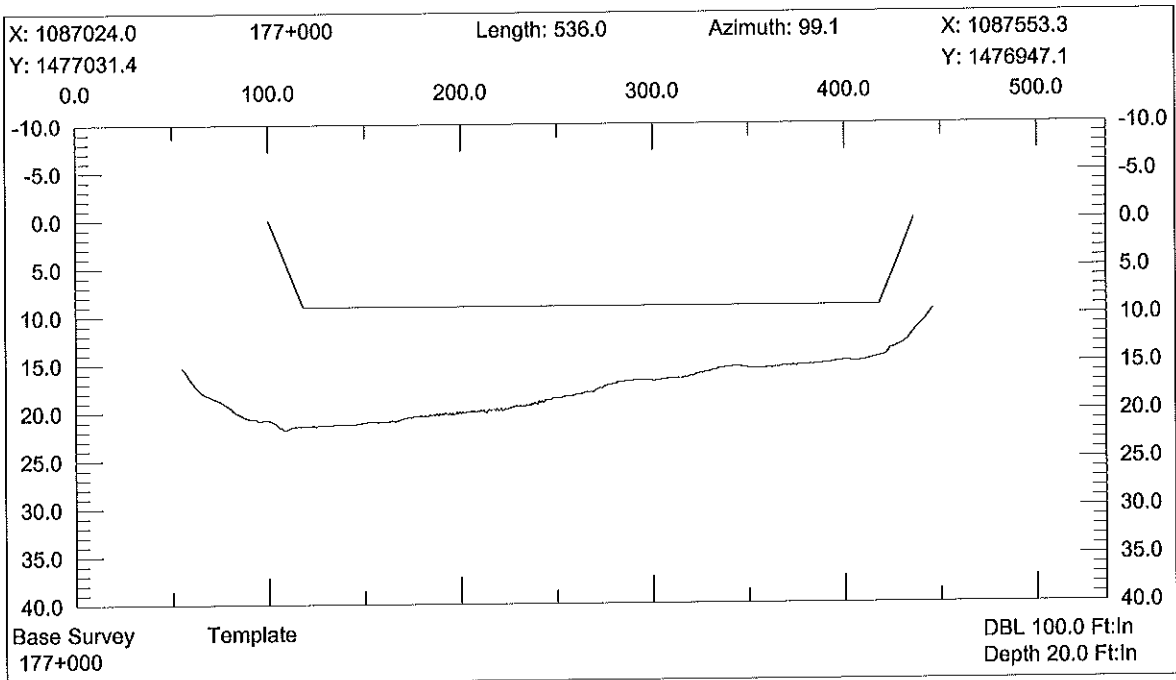


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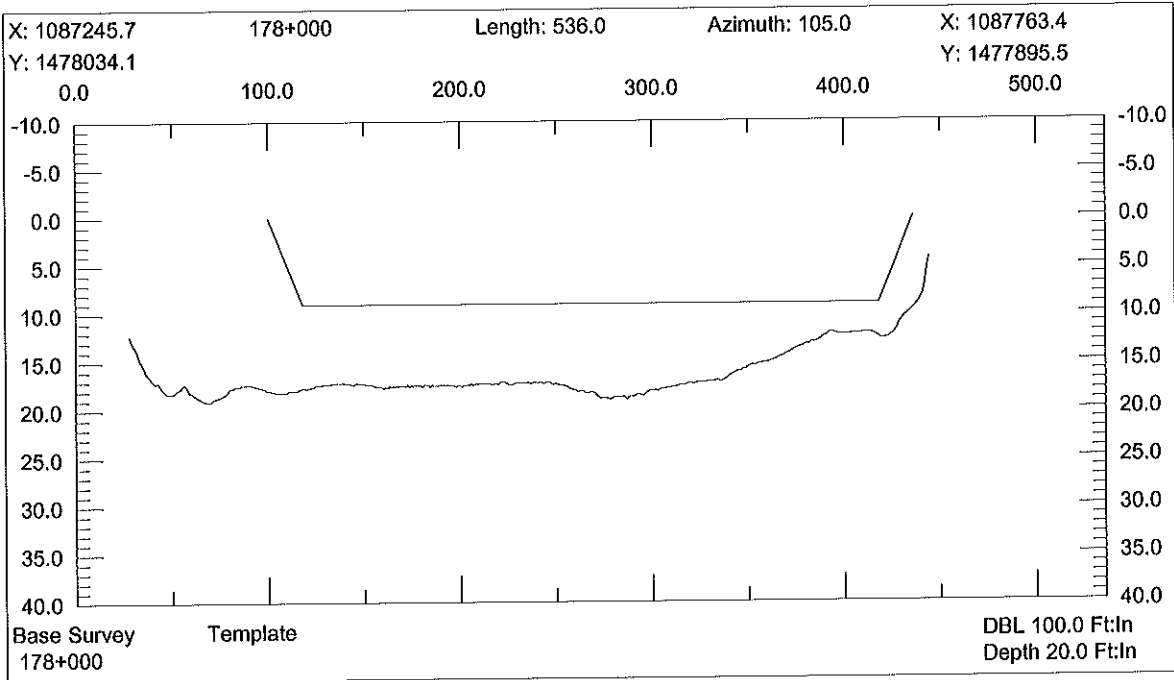
Sheet 6 Of 17	Base Survey
Project	Water Qualit
Job	
Area	Columbus Poo
Surveyor	USACE
Date	06-10-2005
File	1ftSort.log



Sheet 7 Of 17	Base Survey
Project	Water Qualit
Job	
Area	Columbus Poo
Surveyor	USACE
Date	06-10-2005
File	1ftSort.log

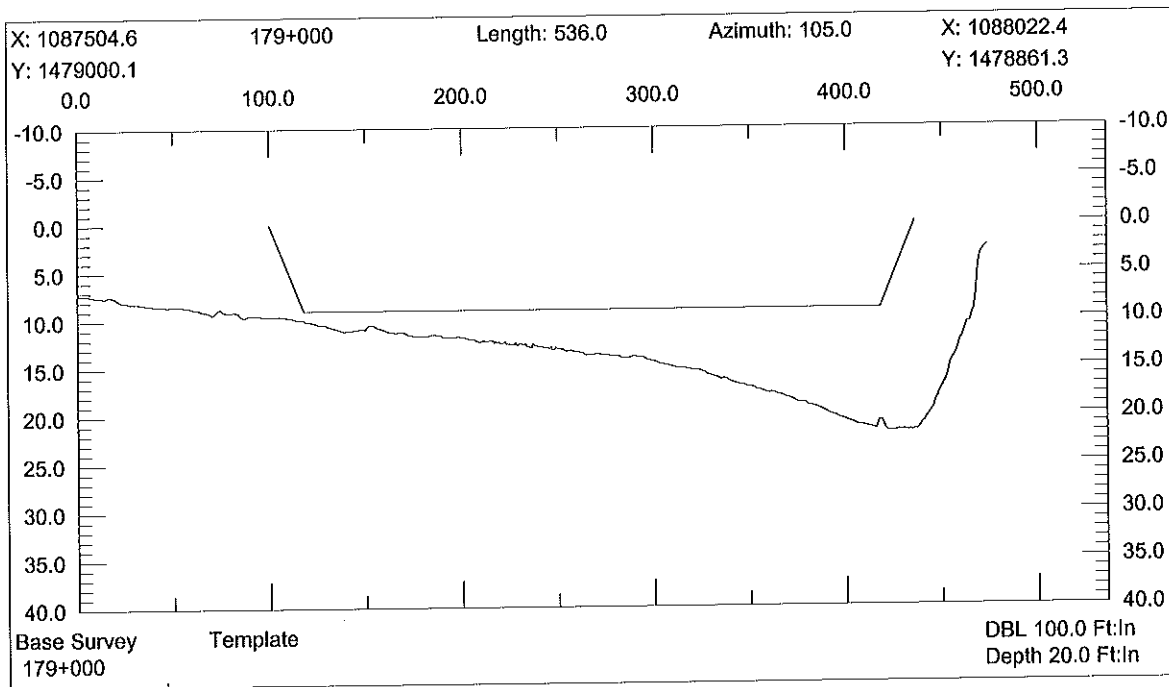


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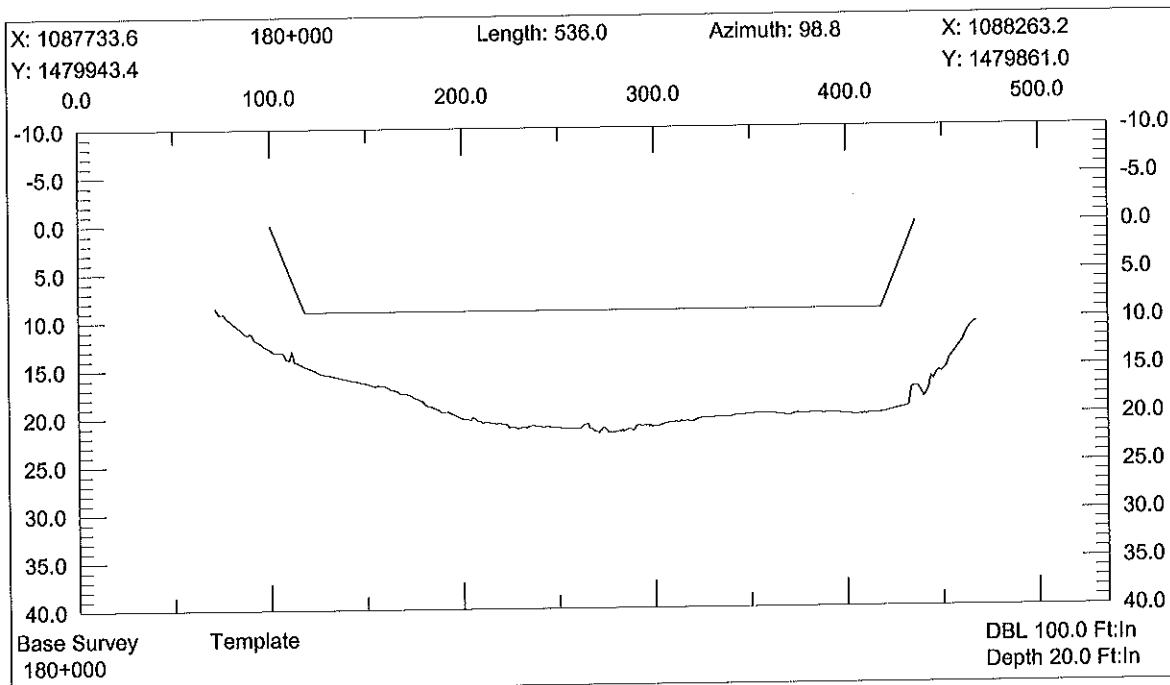


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Sheet 8 Of 17	Base Survey
Project	Water Qualit
Job	
Area	Columbus Poo
Surveyor	USACE
Date	06-10-2005
File	1ftSort.log

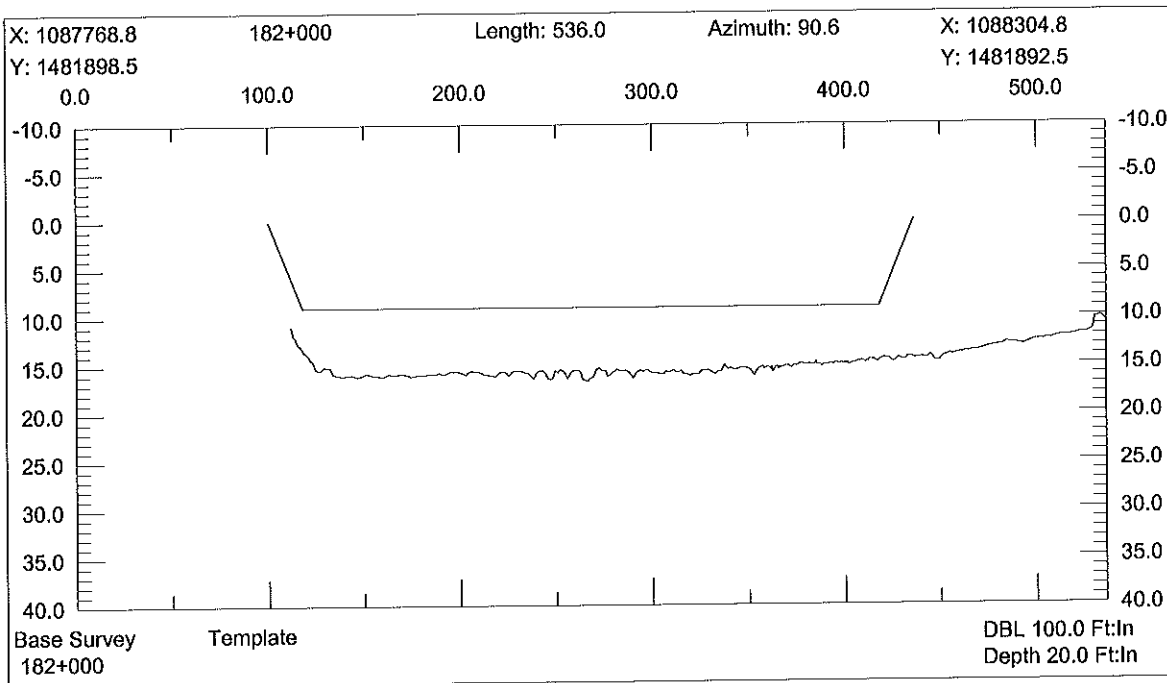
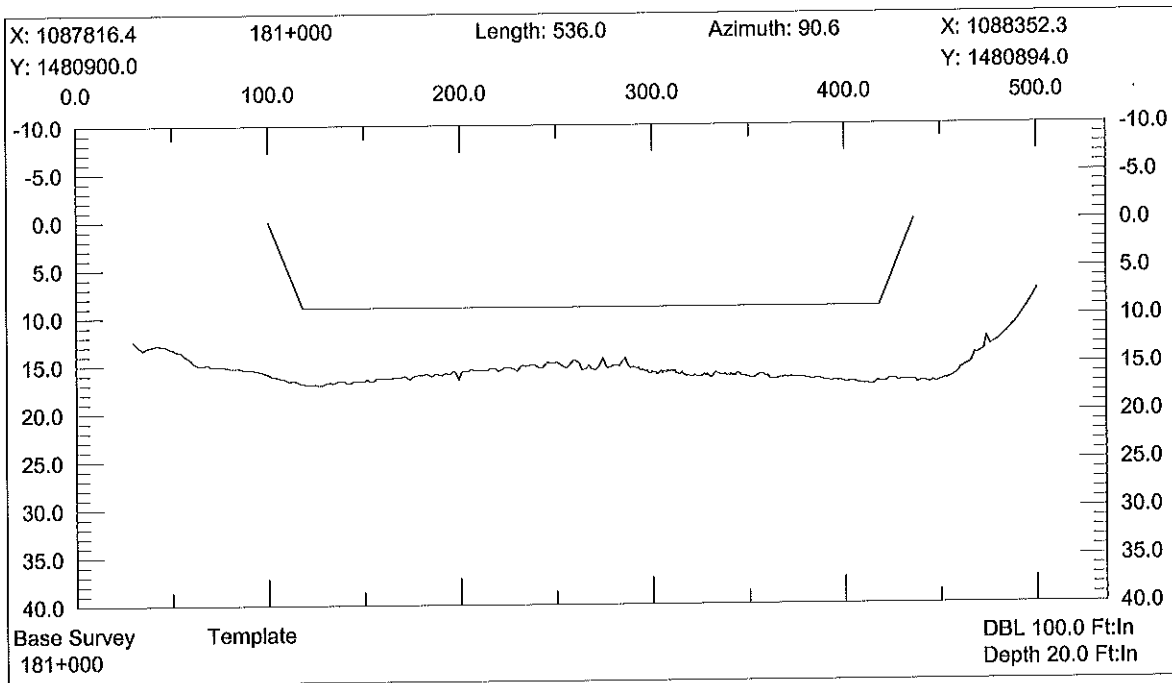


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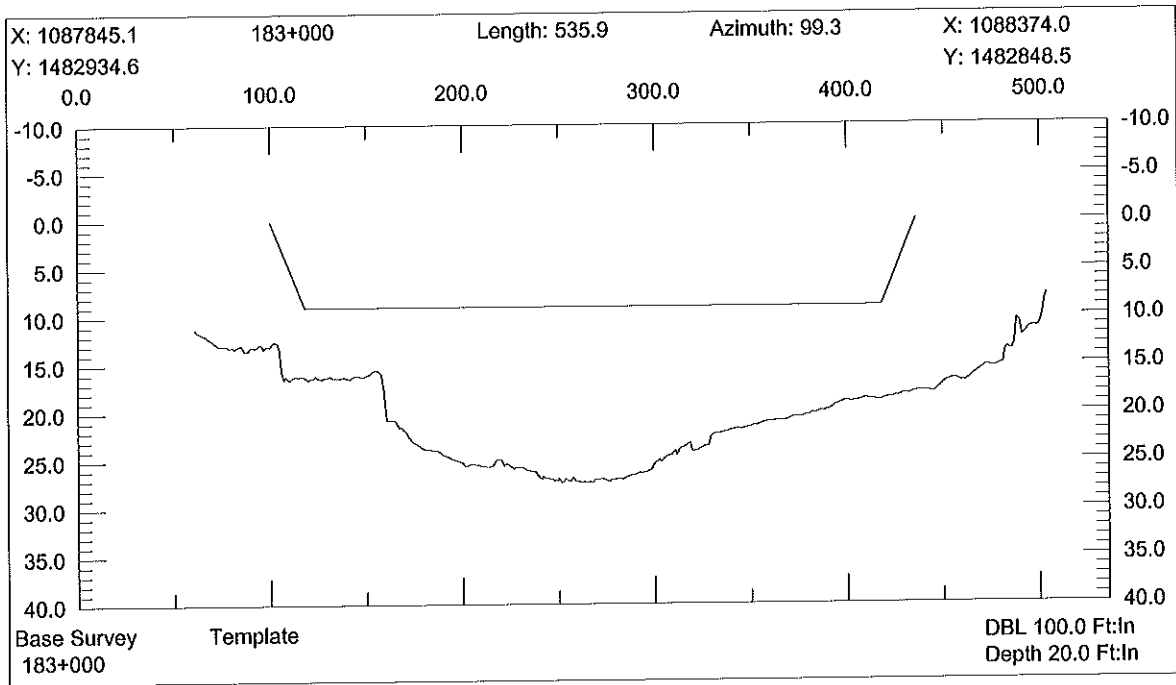


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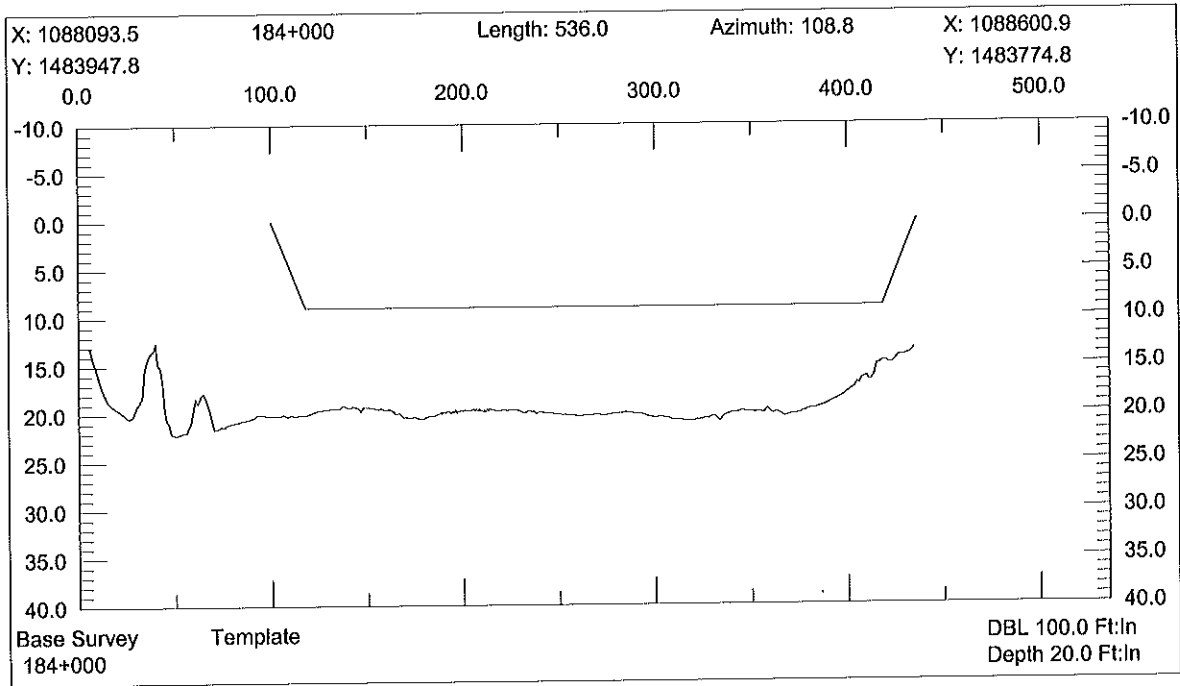
Sheet 9 Of 17	Base Survey
Project	Water Qualit
Job	
Area	Columbus Poo
Surveyor	USACE
Date	06-10-2005
File	1ftSort.log



Sheet 10 Of 17	Base Survey
Project	Water Qualit
Job	
Area	Columbus Poo
Surveyor	USACE
Date	06-10-2005
File	1ftSort.log

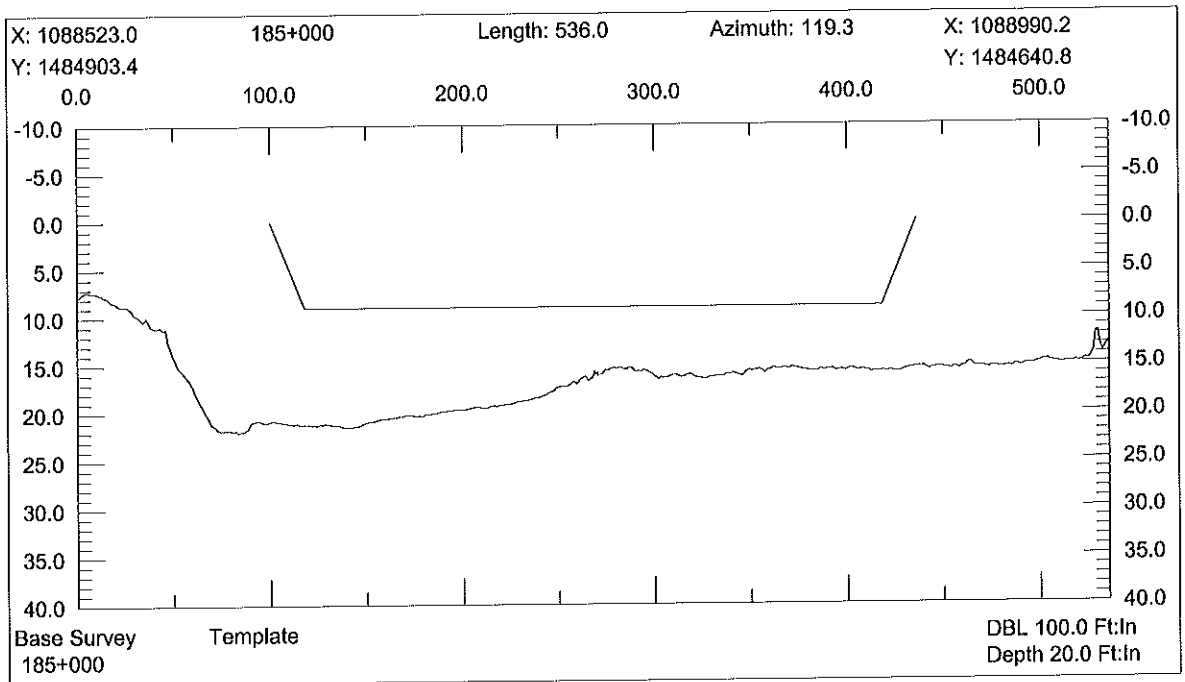


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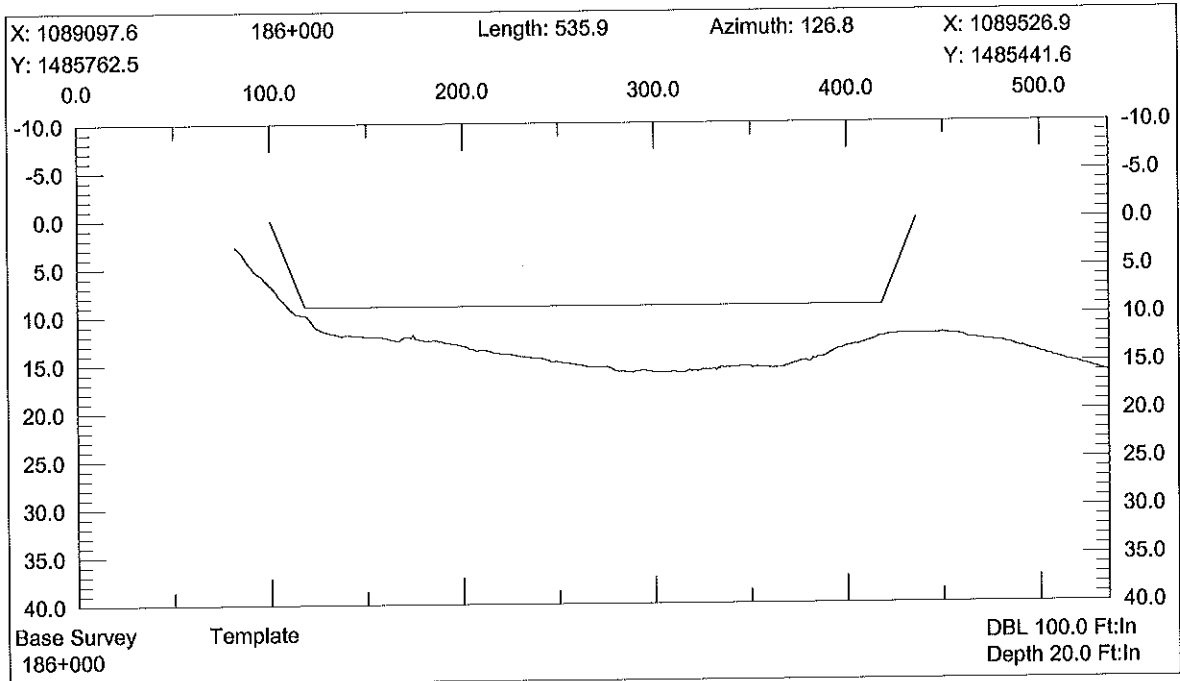


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Sheet 11 Of 17	Base Survey
Project	Water Qualit
Job	
Area	Columbus Poo
Surveyor	USACE
Date	06-10-2005
File	1ftSort.log

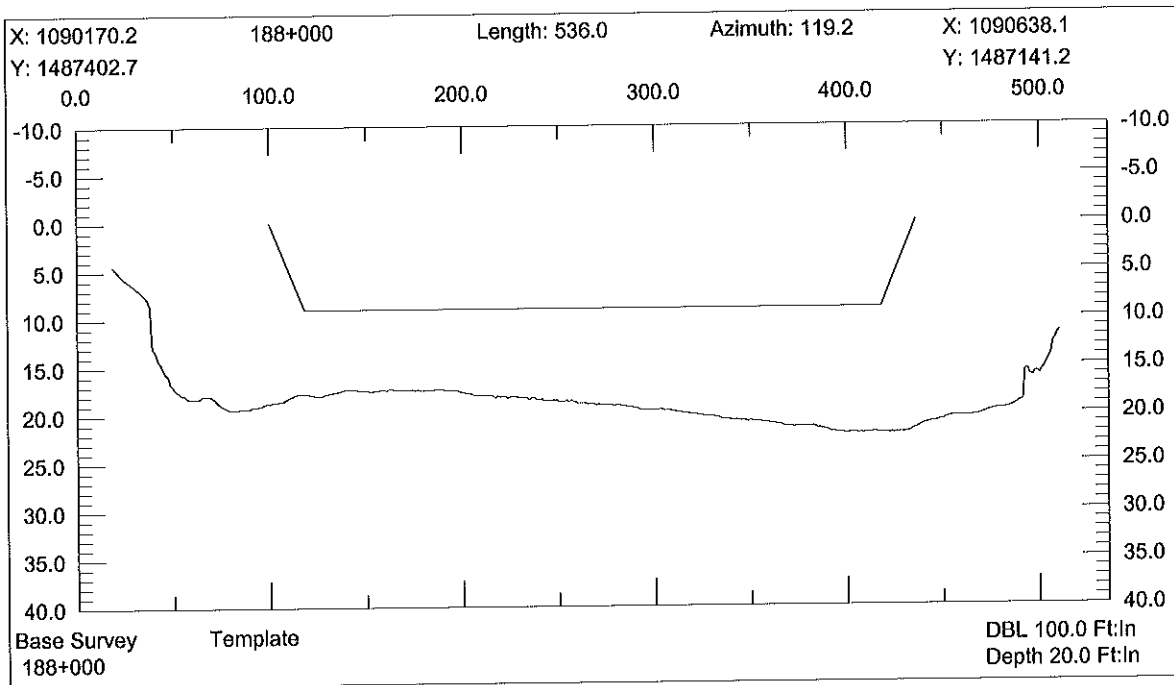
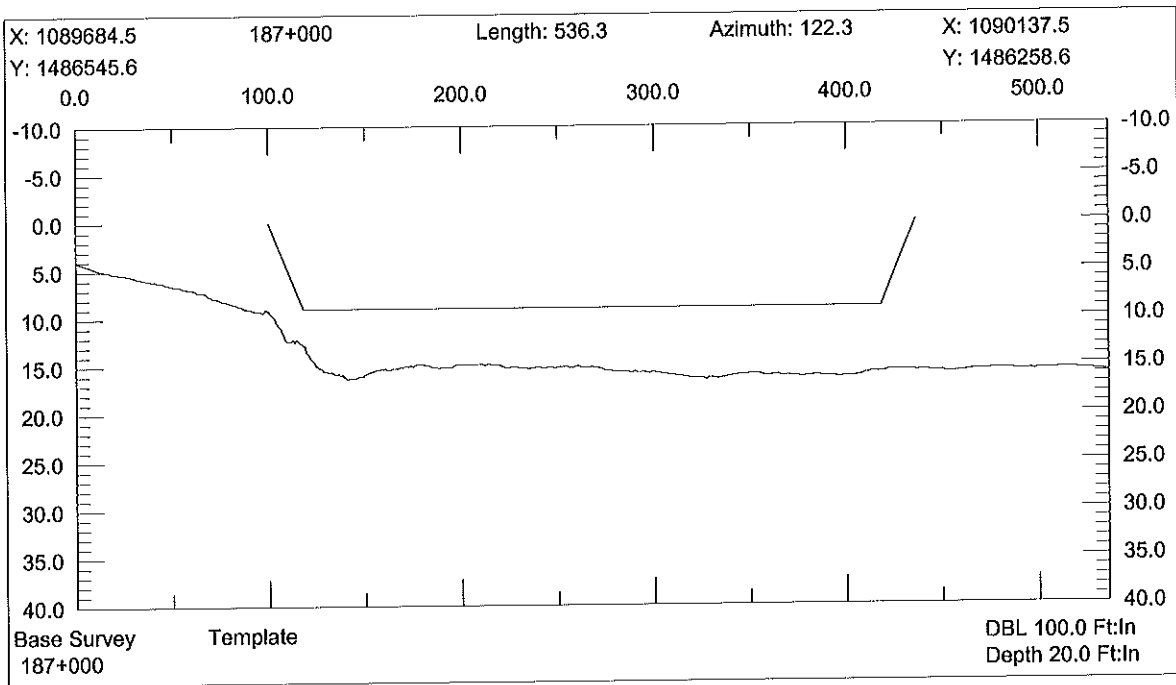


16

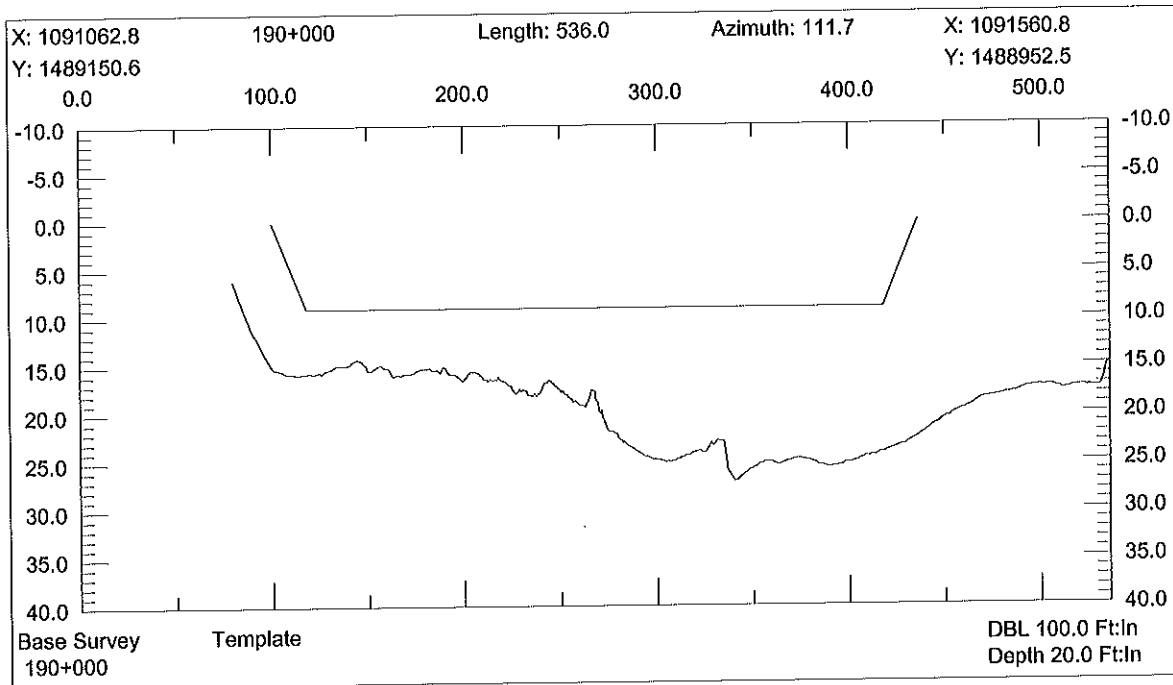
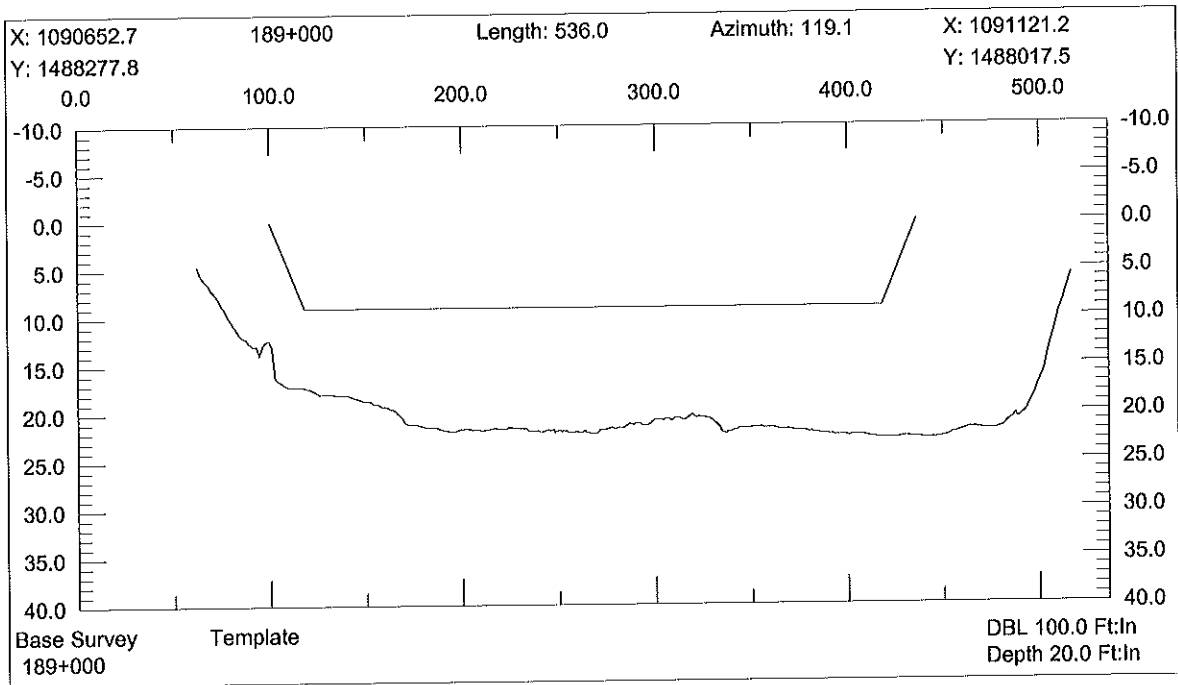


Sheet 12 Of 17	Base Survey
Project	Water Qualit
Job	
Area	Columbus Poo
Surveyor	USACE
Date	06-10-2005
File	1ftSort.log

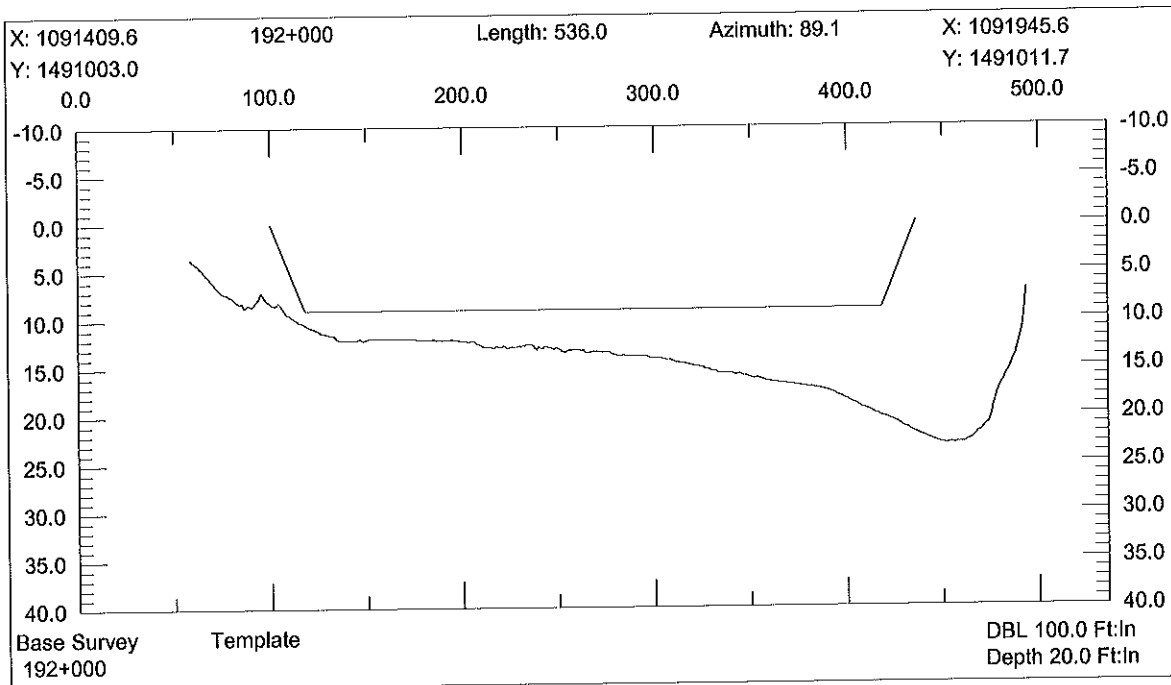
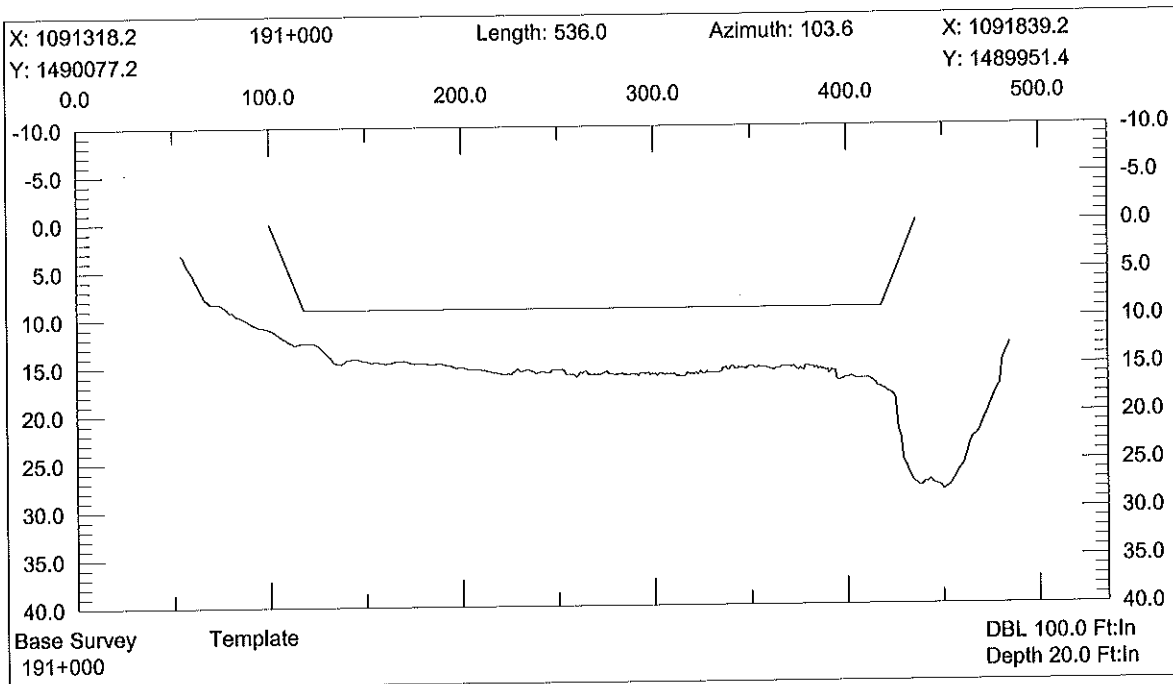




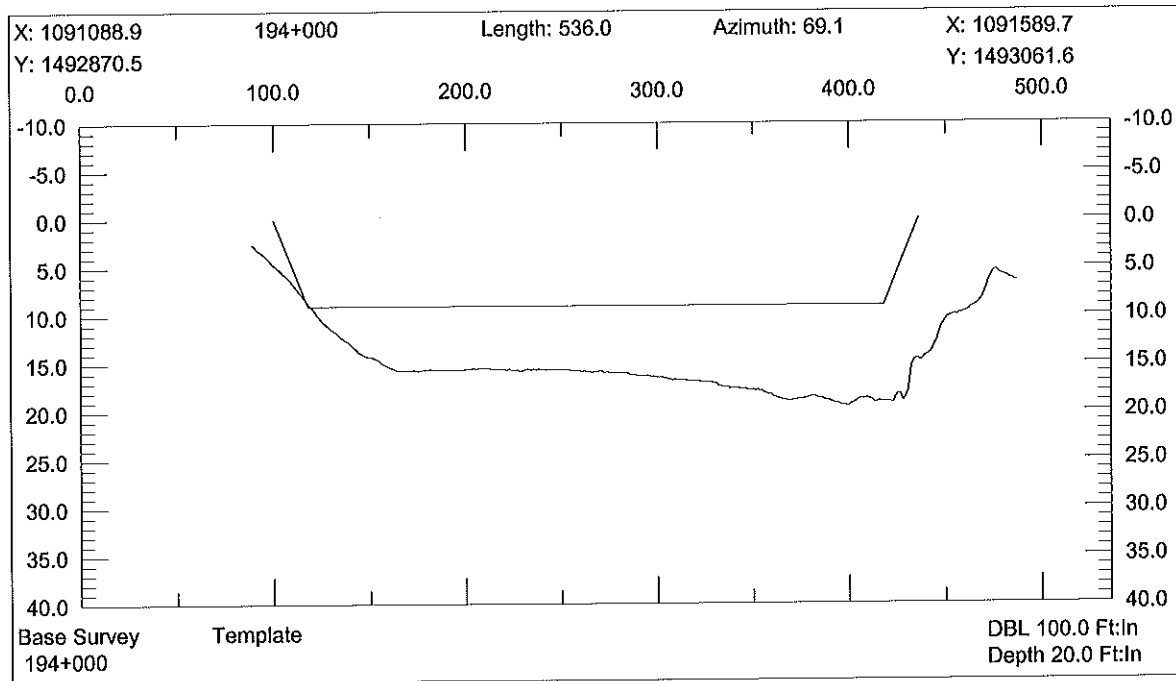
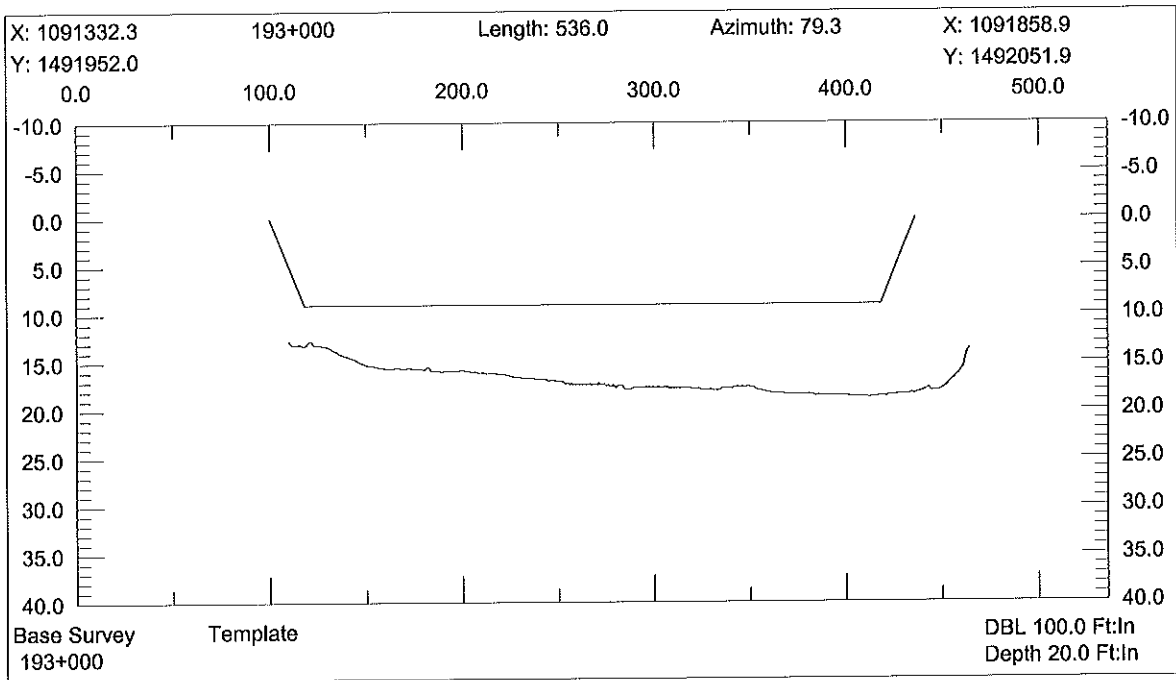
Sheet 13 Of 17	Base Survey
Project	Water Qualit
Job	
Area	Columbus Poo
Surveyor	USACE
Date	06-10-2005
File	1ftSort.log



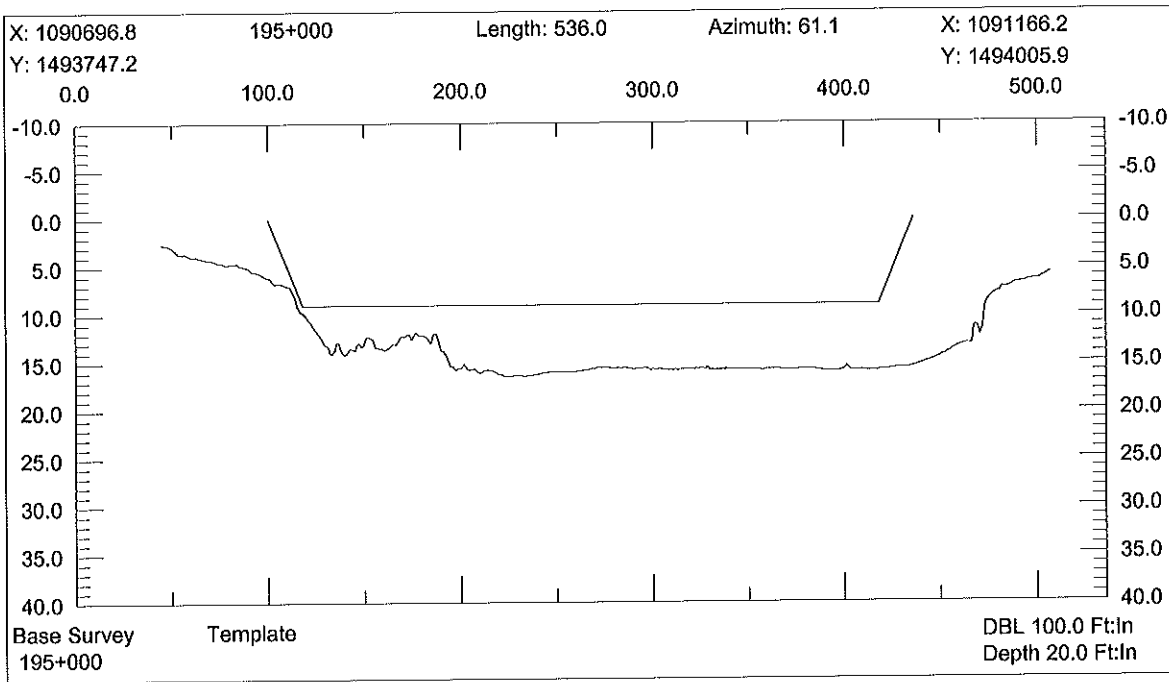
Sheet 14 Of 17	Base Survey
Project	Water Qualit
Job	
Area	Columbus Poo
Surveyor	USACE
Date	06-10-2005
File	1ftSort.log



Sheet 15 Of 17	Base Survey
Project	Water Qualit
Job	
Area	Columbus Poo
Surveyor	USACE
Date	06-10-2005
File	1ftSort.log



Sheet 16 Of 17	Base Survey
Project	Water Qualit
Job	
Area	Columbus Poo
Surveyor	USACE
Date	06-10-2005
File	1ftSort.log



Sheet 17 Of 17	Base Survey
Project	Water Qualit
Job	
Area	Columbus Poo
Surveyor	USACE
Date	06-10-2005
File	1ftSort.log

**Appendix H**  
**Current Meter Speed/Direction Figures**

Figure H-1a

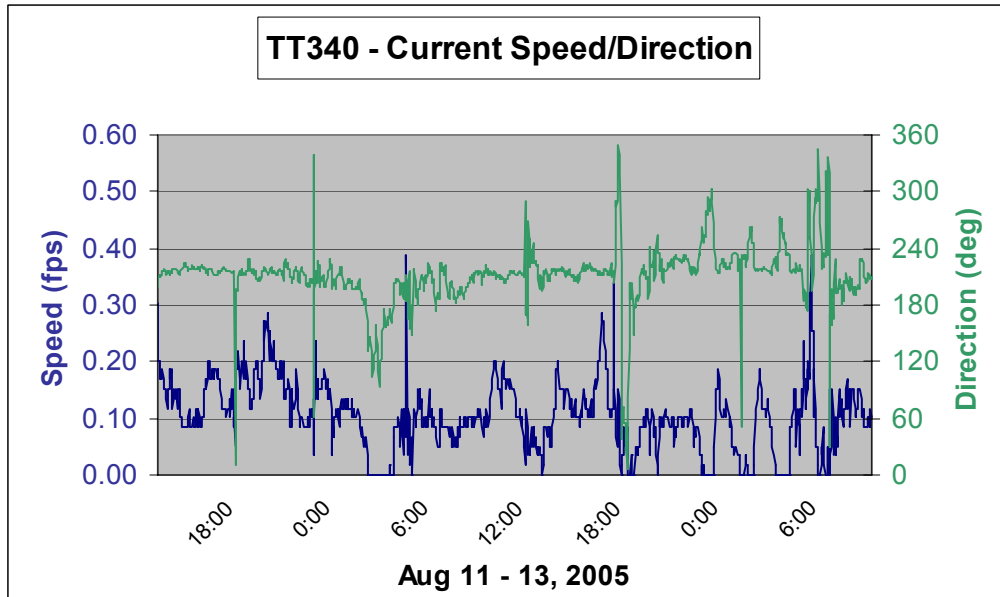


Figure H-1b

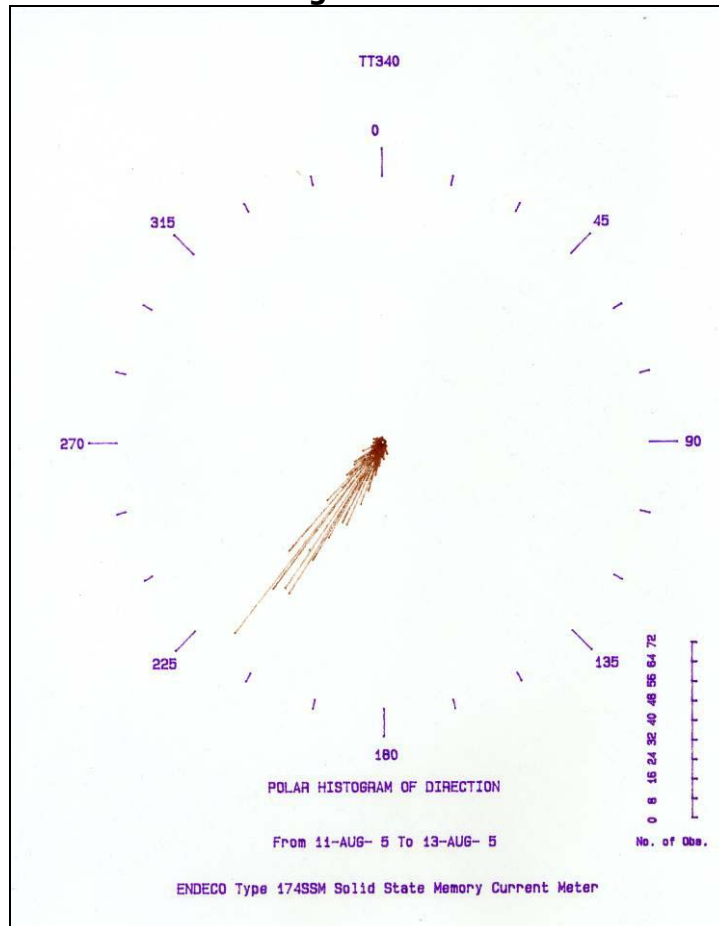


Figure H-2a

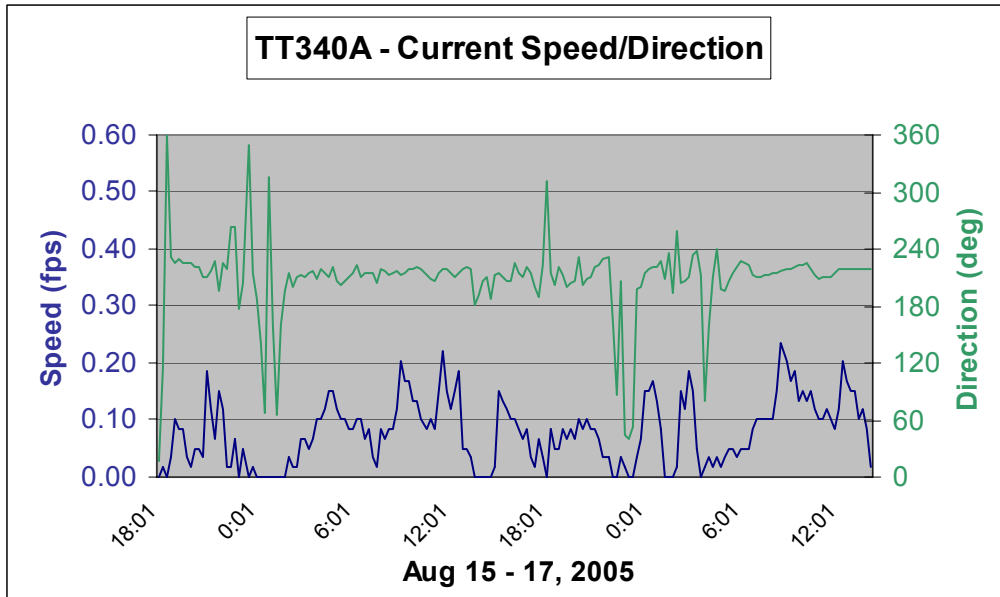


Figure H-2b

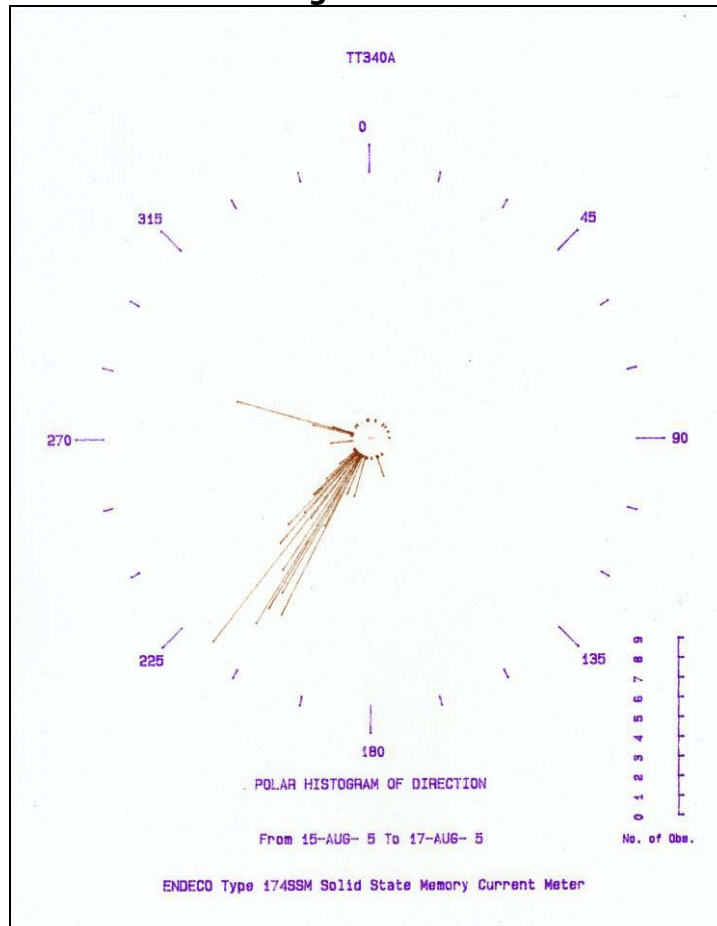




Figure H-3a

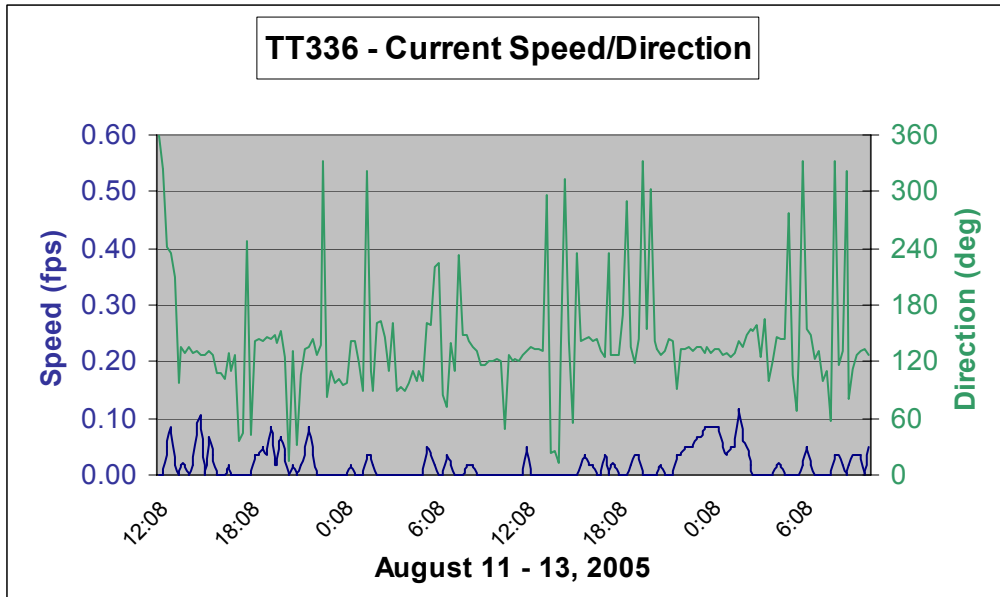


Figure H-3b

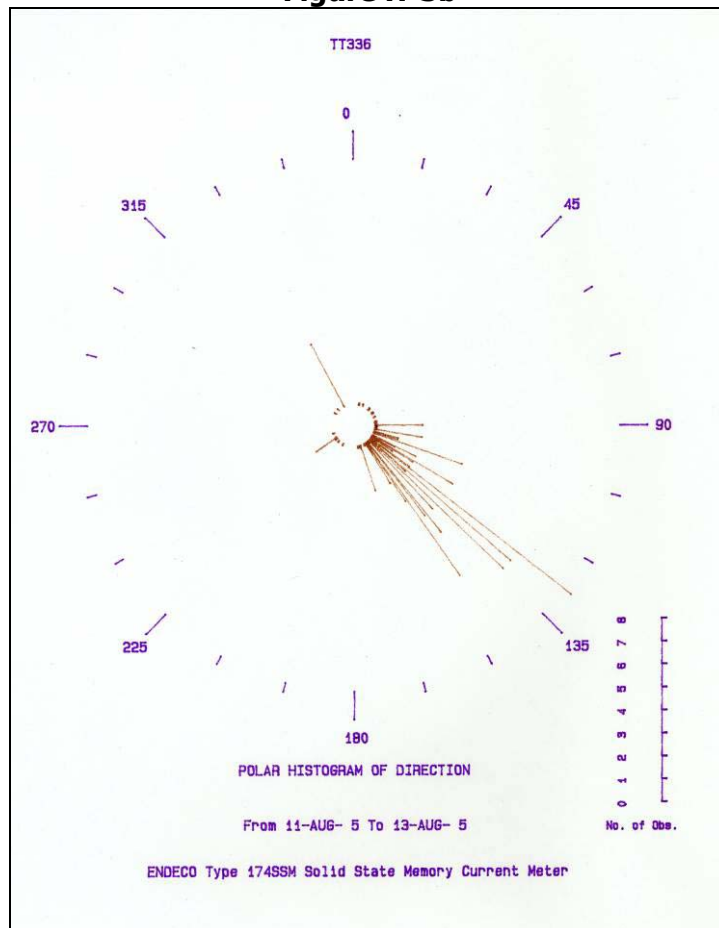


Figure H-4a

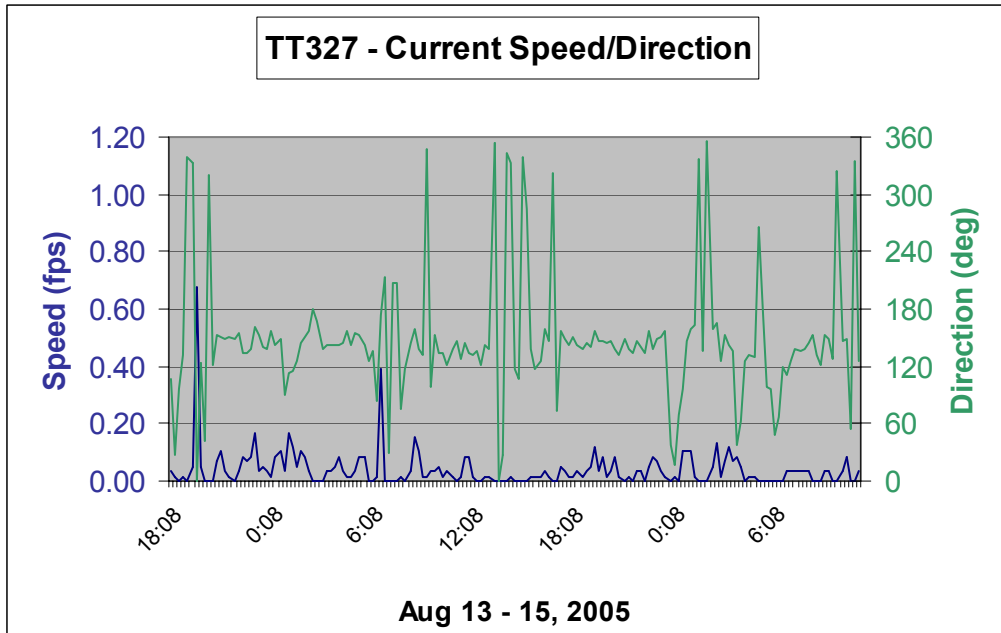


Figure H-4b

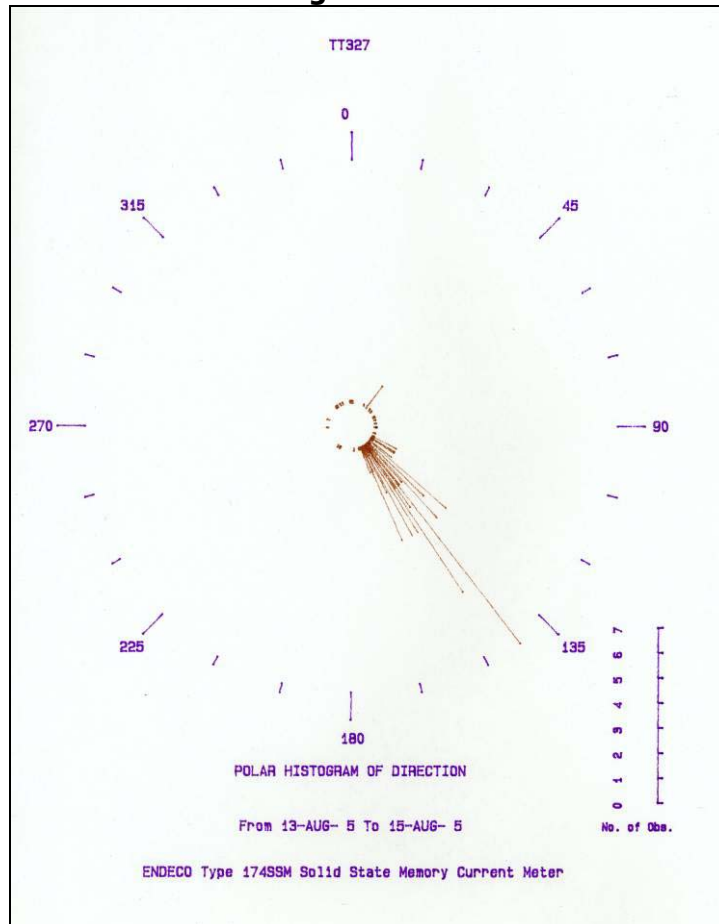


Figure H-5a

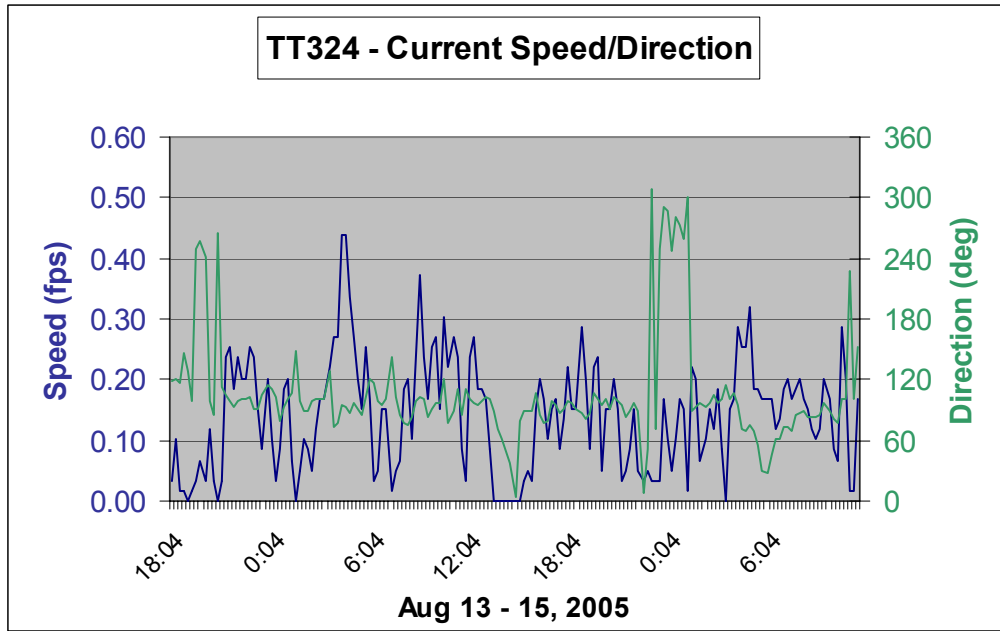


Figure H-5b

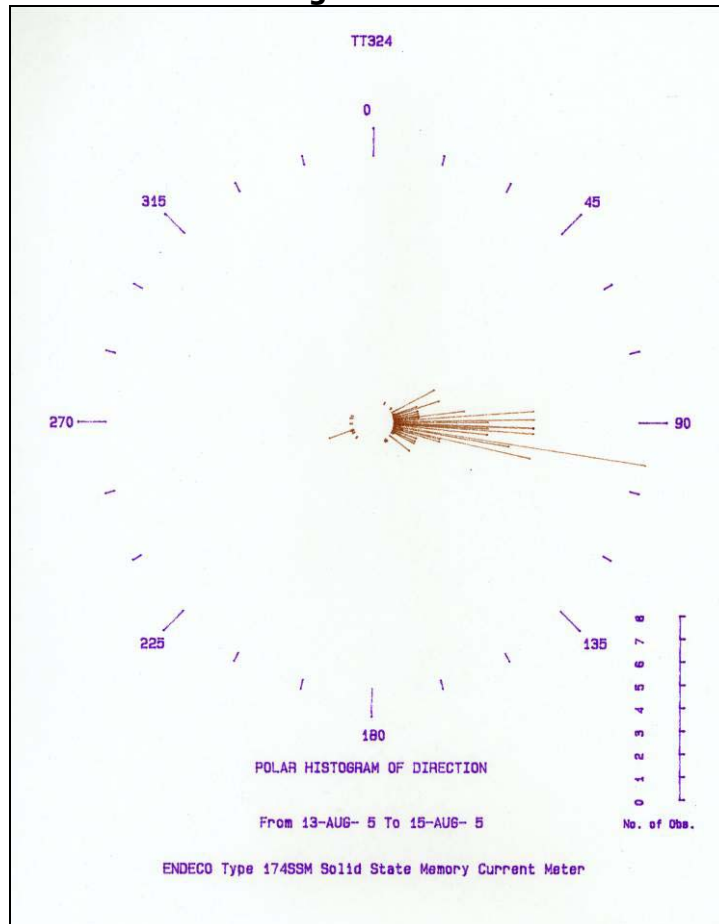


Figure H-6a

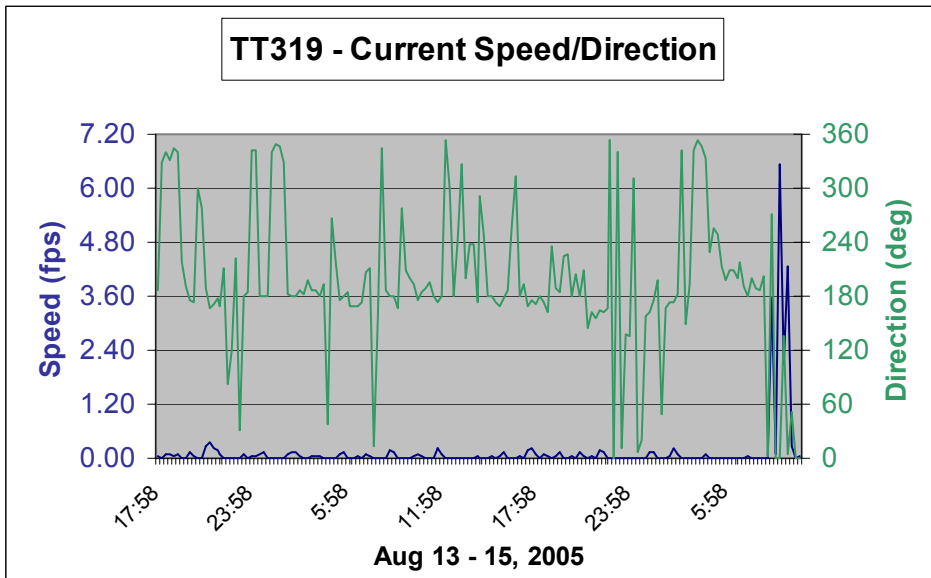


Figure H-6b

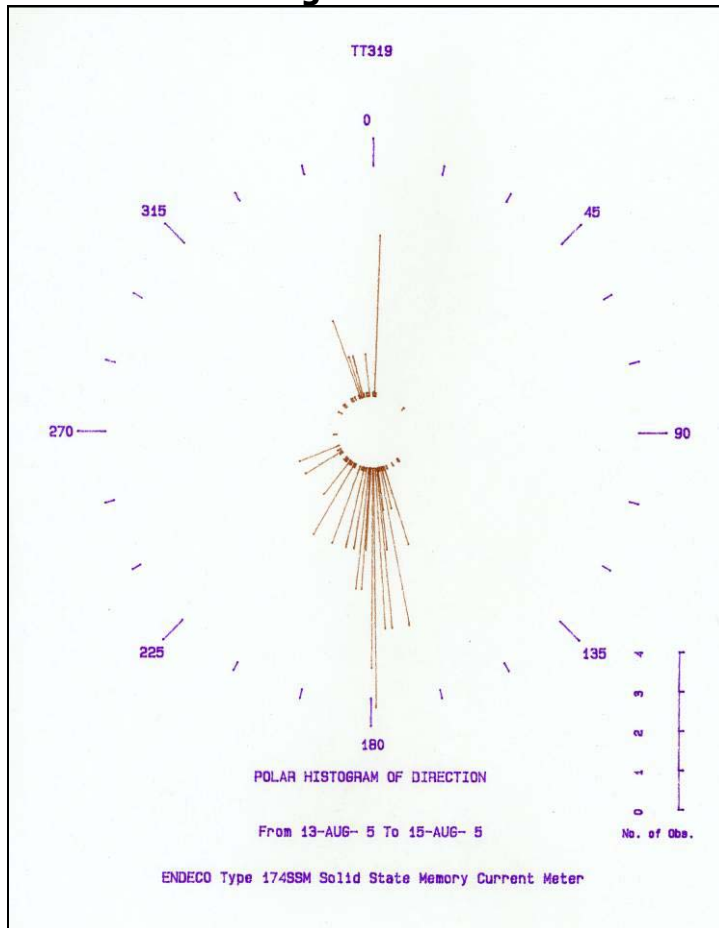


Figure H-7a

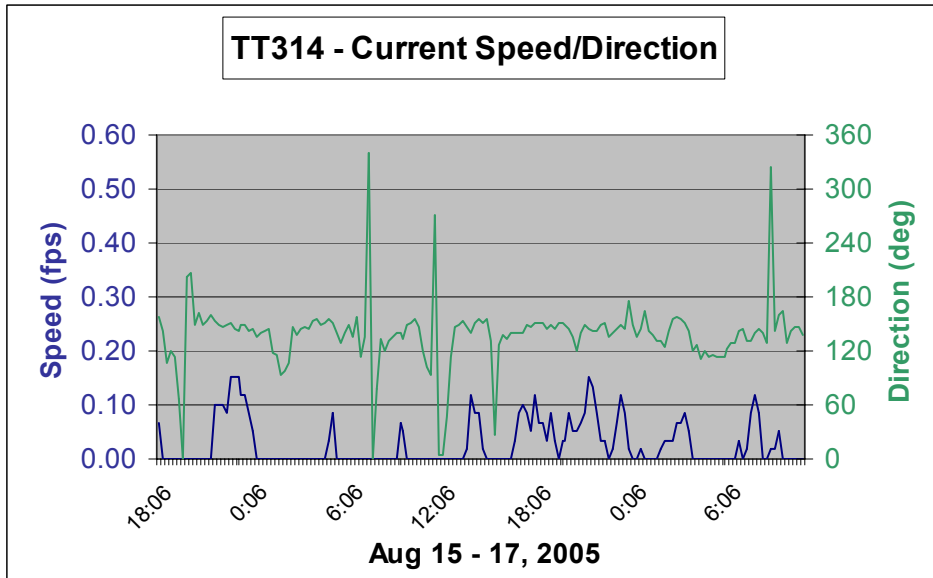


Figure H-7b

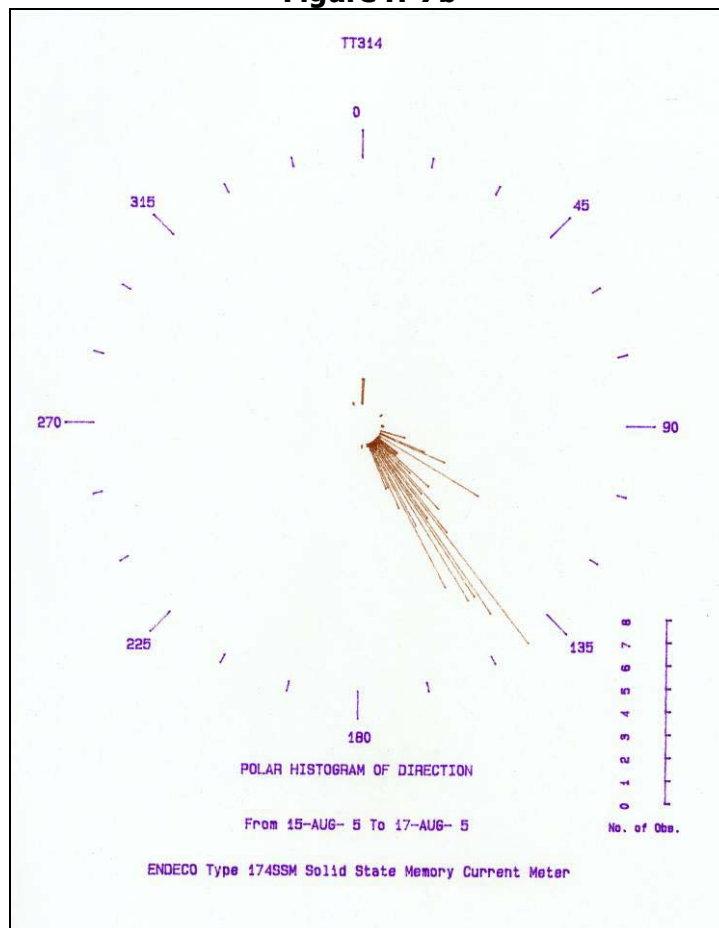


Figure H-8a

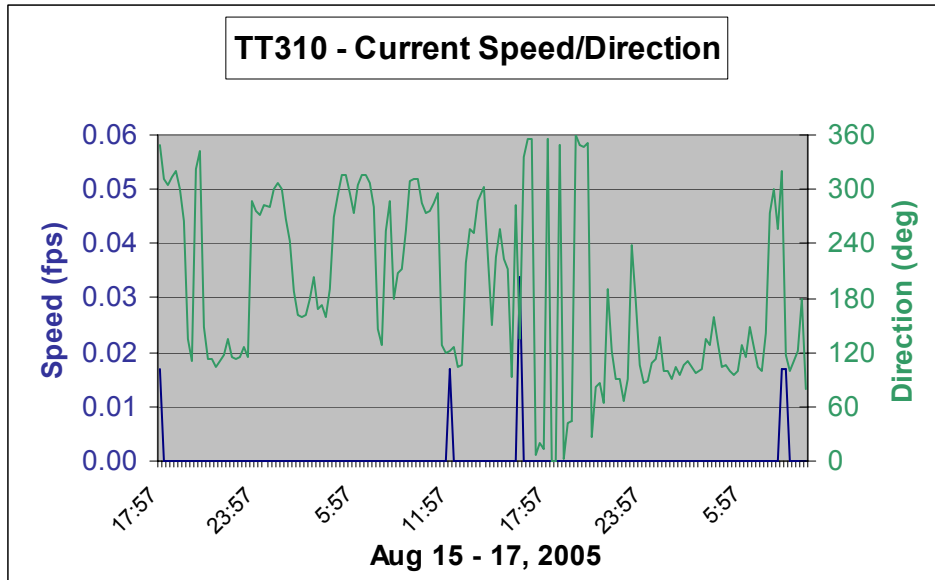


Figure H-8b

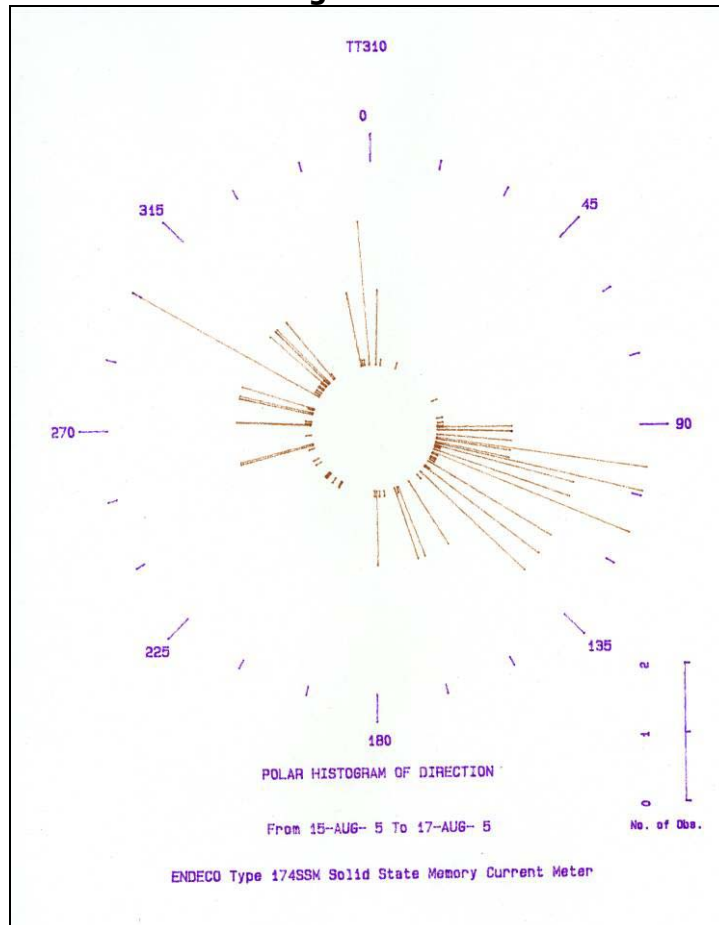


Figure H-9a

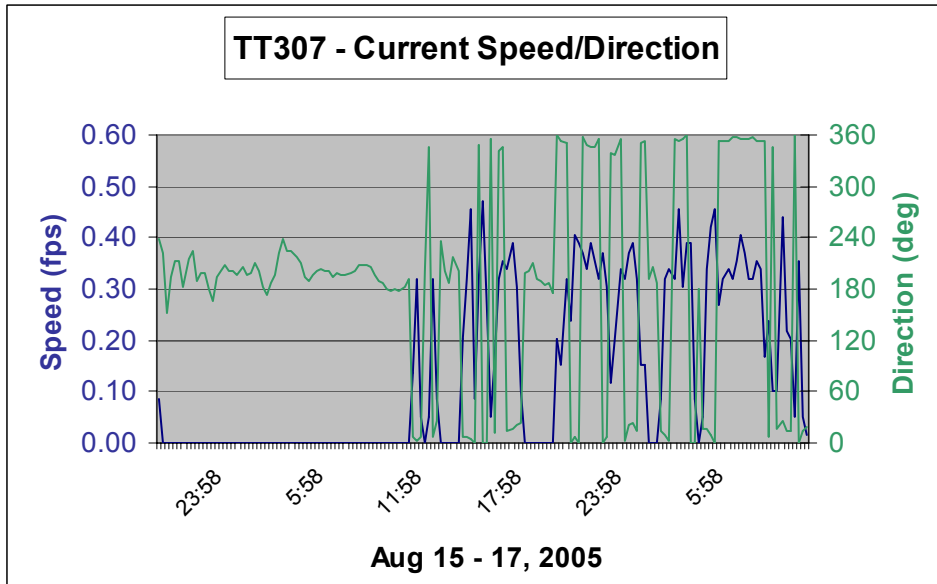


Figure H-9b

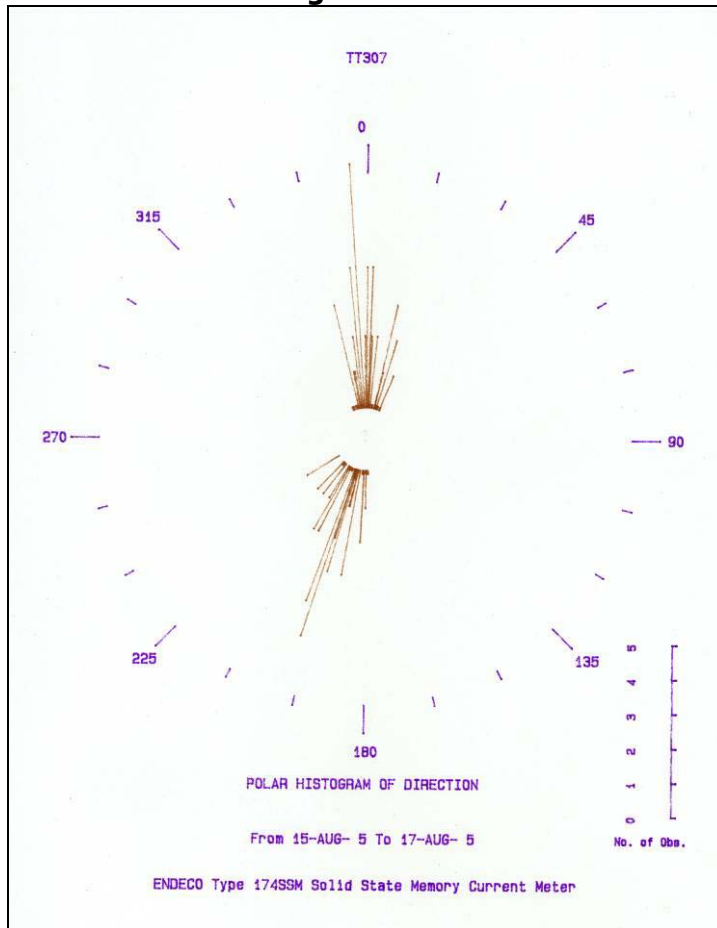


Figure H-10a

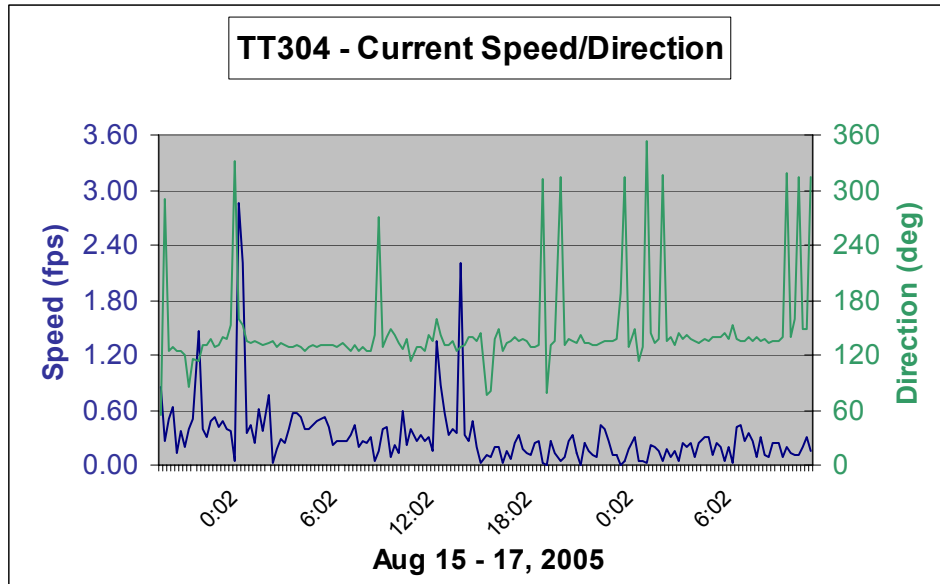


Figure H-10b

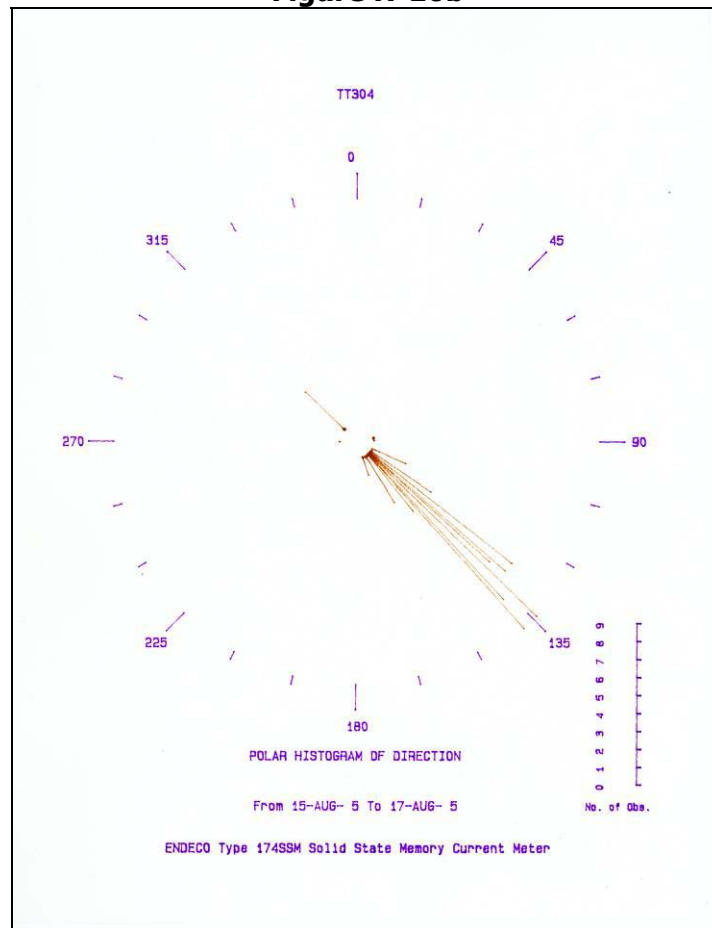




Figure H-11a

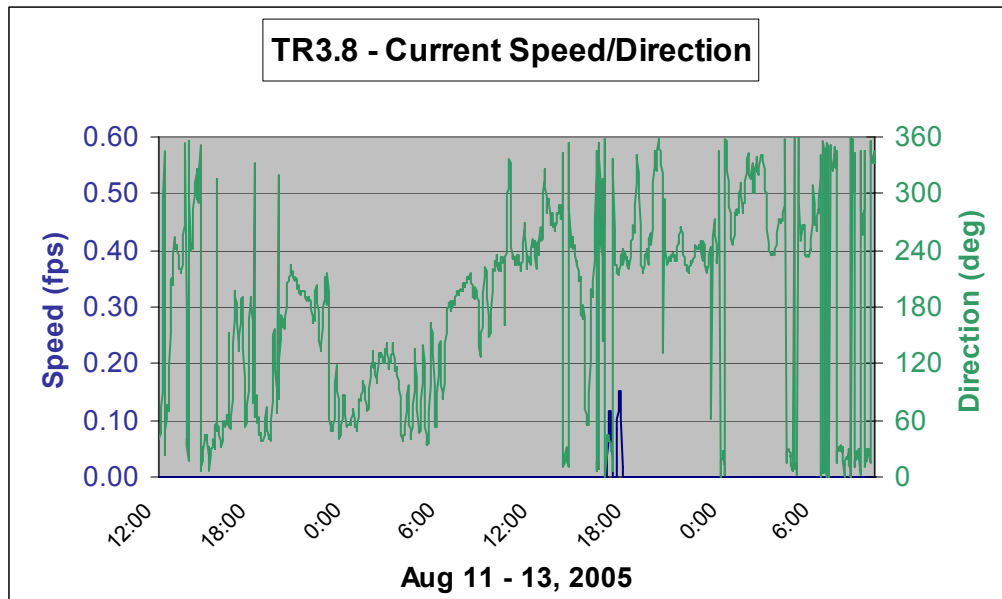
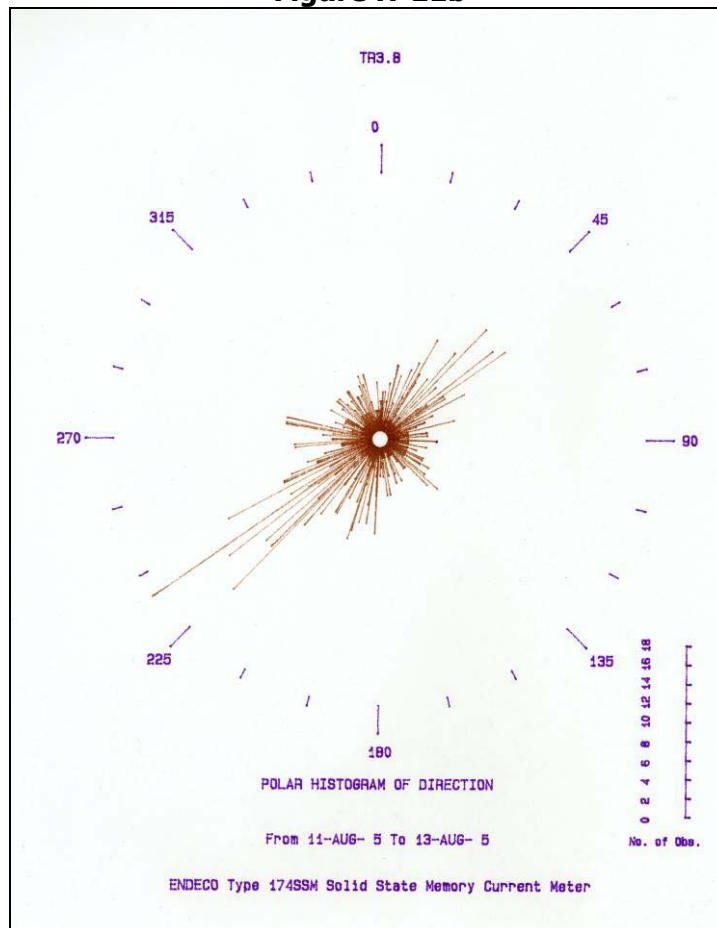
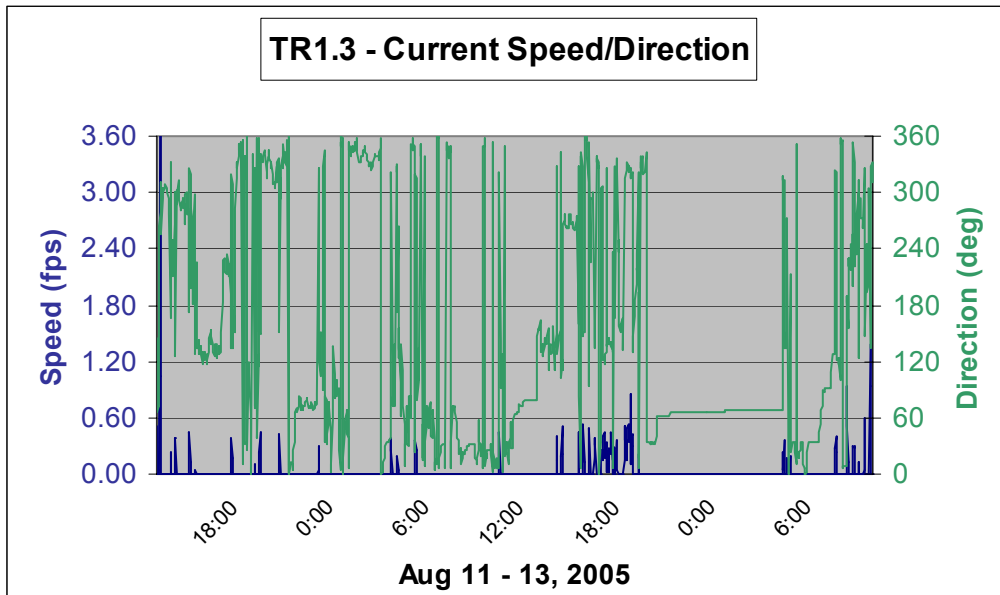


Figure H-11b



**Figure H-12a**



**Figure H-12b**

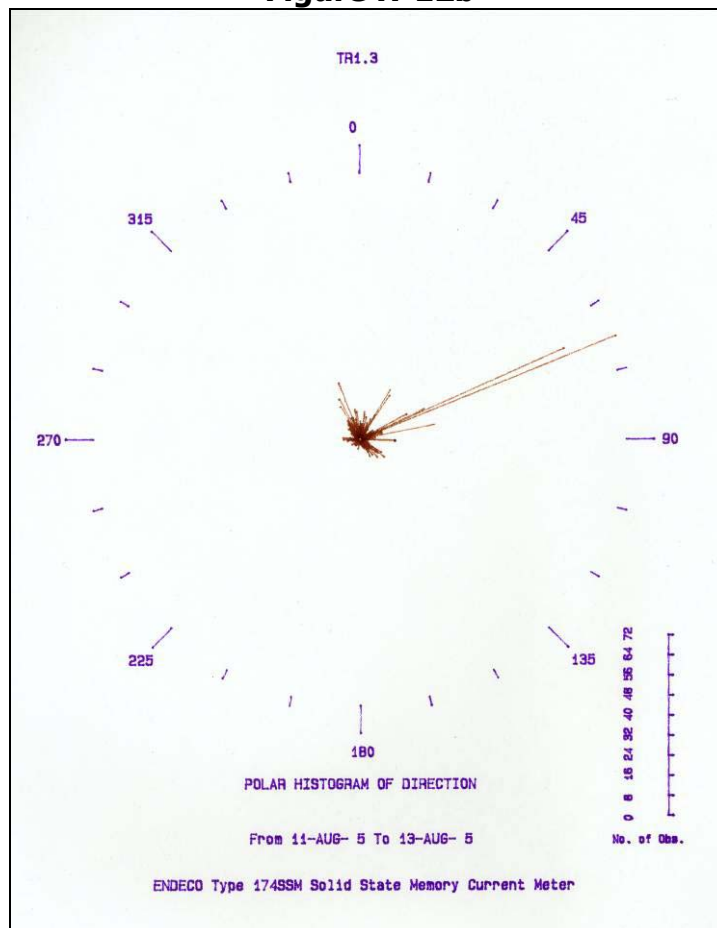


Figure H-13a

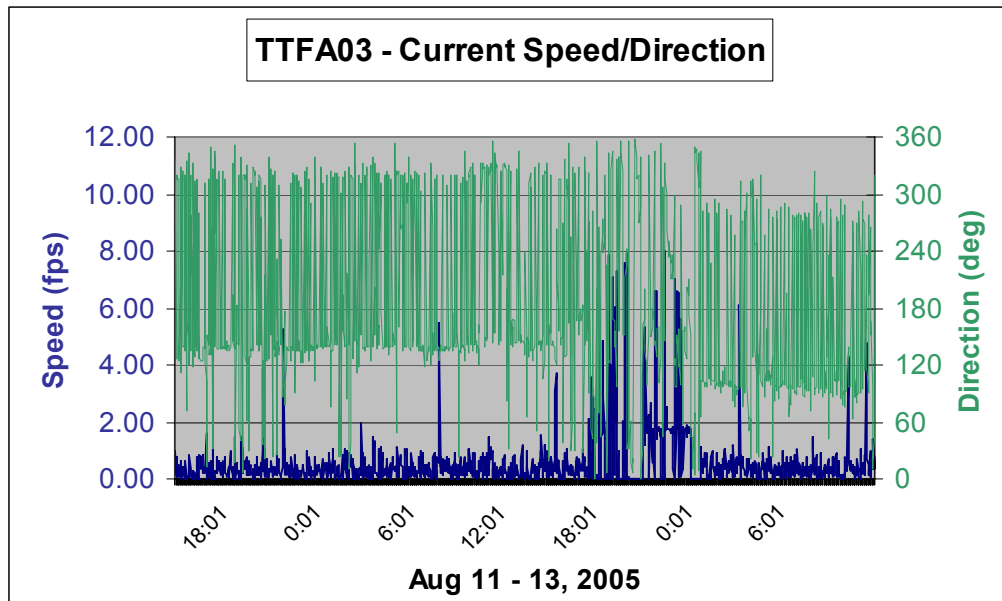


Figure H-13b

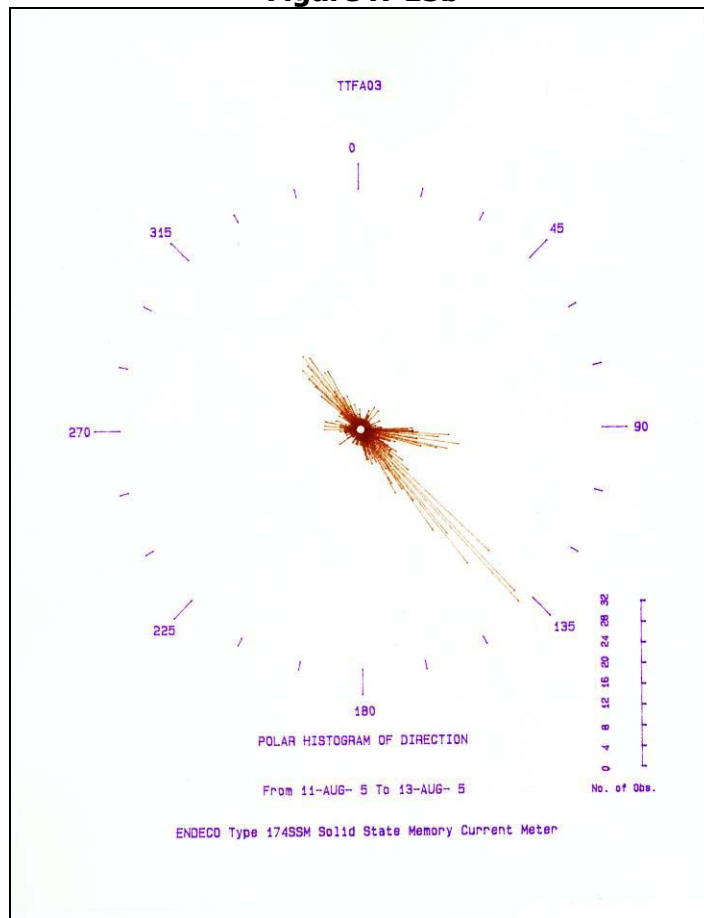


Figure H-14a

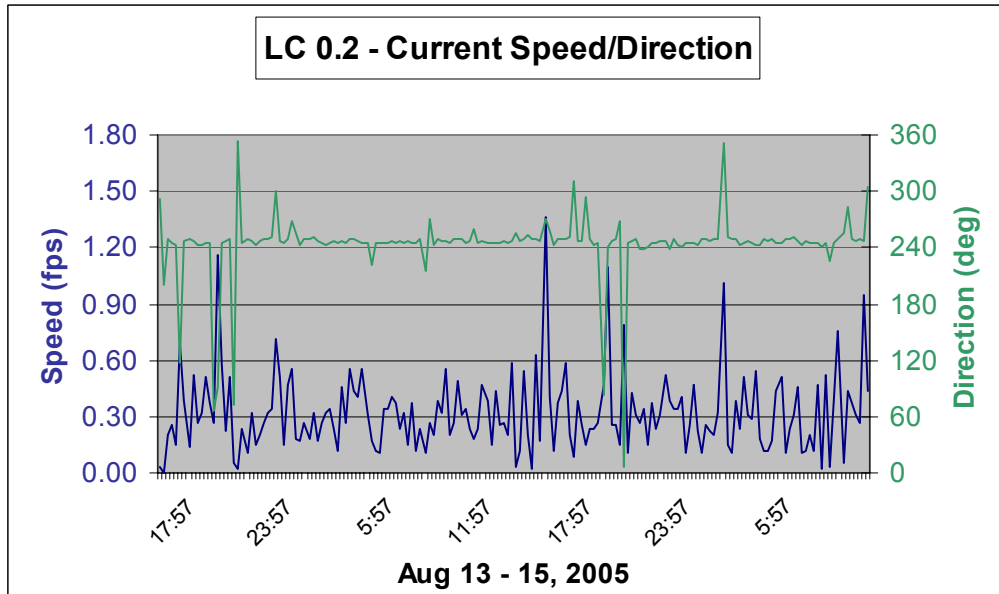


Figure H-14b

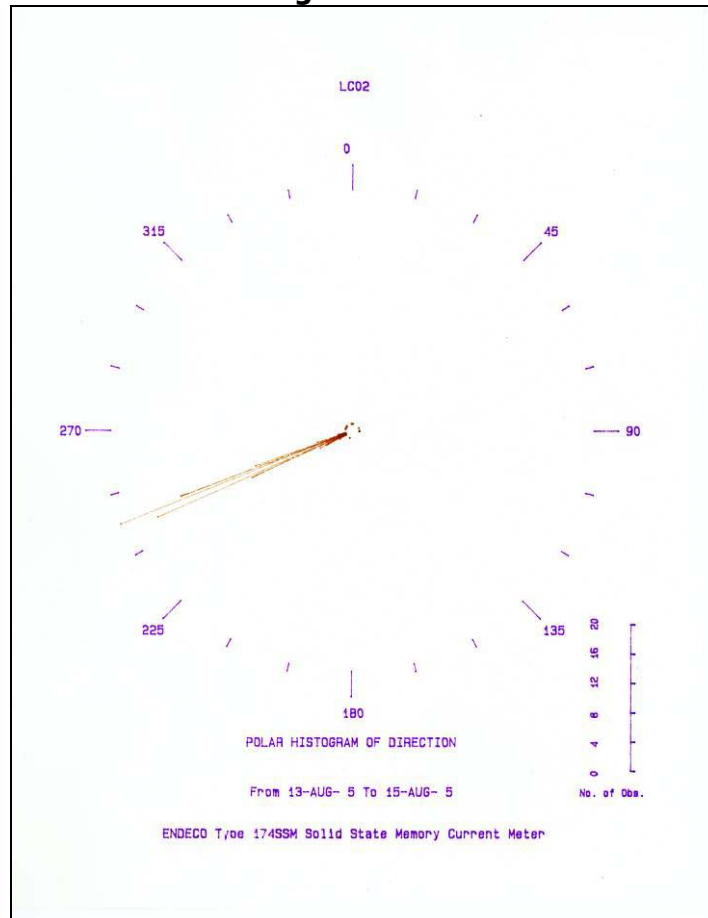


Figure H-15a

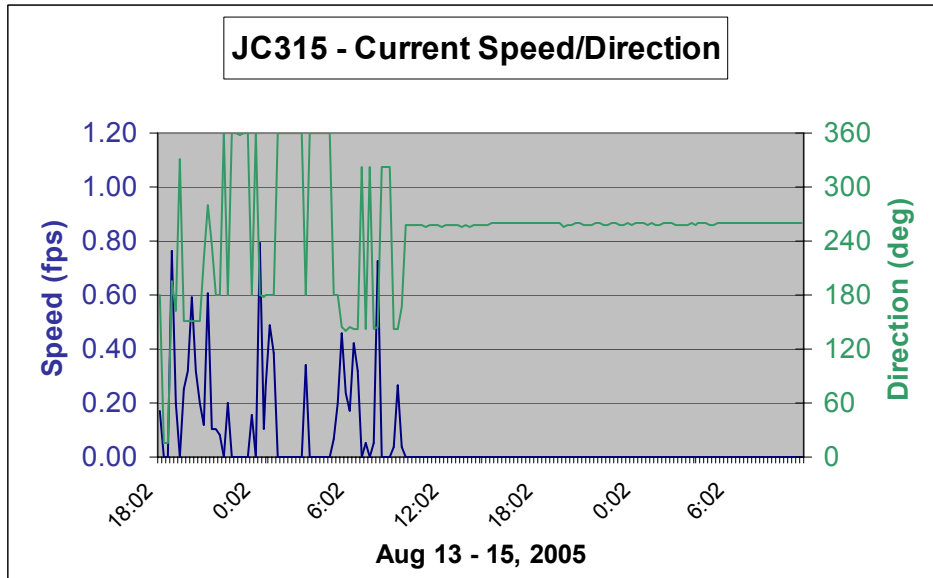
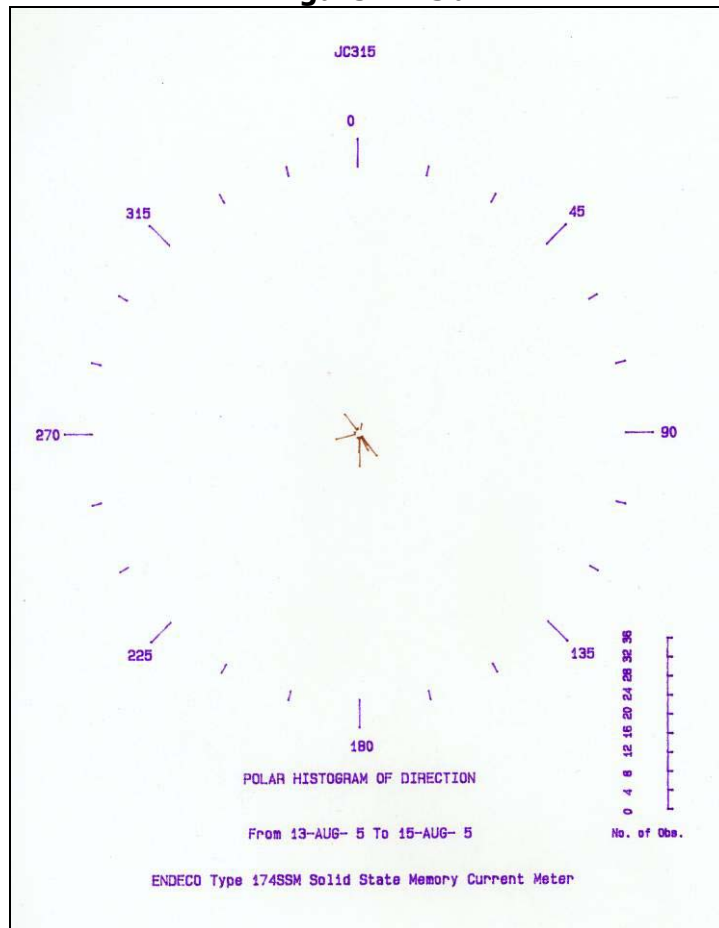


Figure H-15b



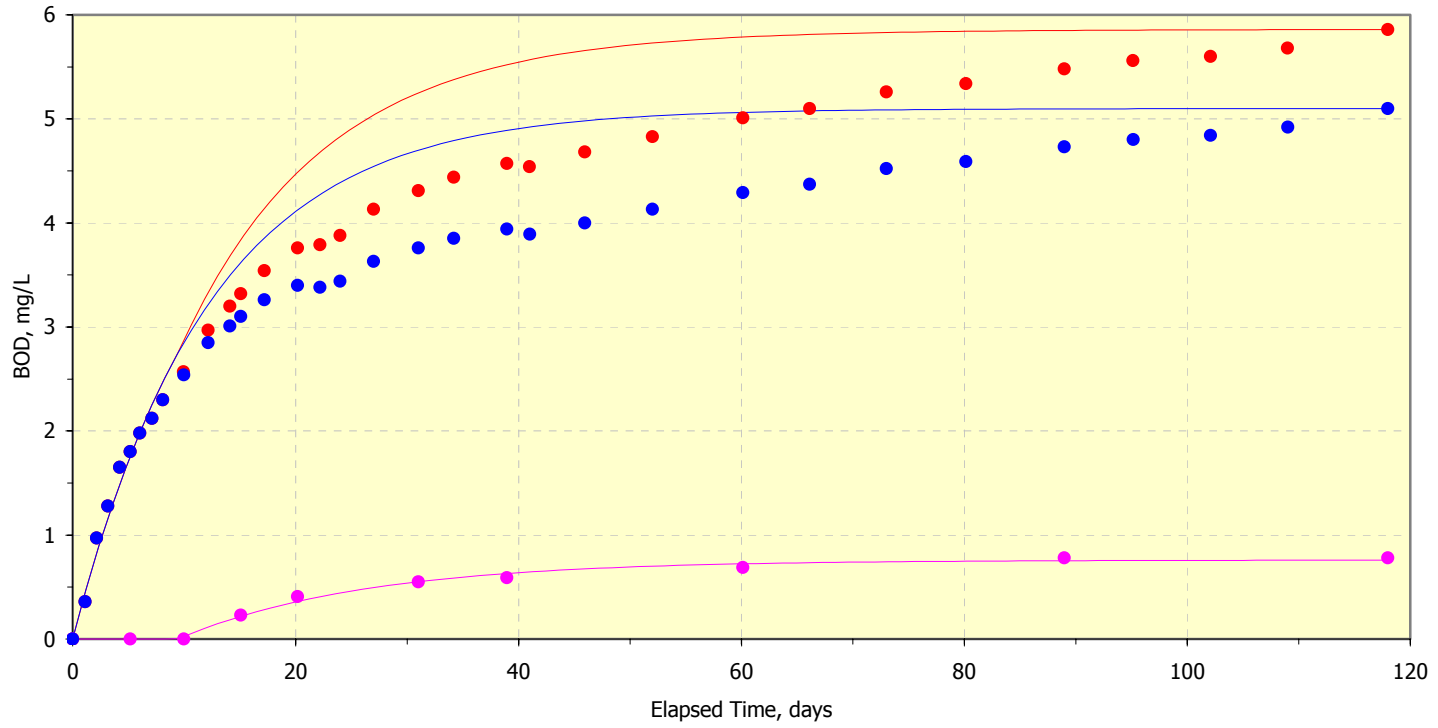
**Appendix I**  
**Long-Term BOD Non-Linear Graphical Analysis Results**

Table I-1  
 Non-Linear Curve Fit Analysis Summary  
 Tenn-Tom Waterway  
 Columbus, Mississippi  
 August 2005

Main Stem River and Tributary Stations						
Station	CBOD <sub>u</sub> (mg/l)	f-ratio	Curve Fit	NBOD <sub>u</sub> (mg/l)	f-ratio	Curve Fit
TT340.0	5.10	2.97	First Order	0.76	3.86	First Order
TT336.3	5.39	3.03	First Order	0.95	3.80	First Order
TT332.4	6.00	3.86	First Order	0.81	3.86	First Order
TT327.7	6.32	3.06	First Order	0.81	4.69	First Order
TT324.4	7.86	3.03	First Order	1.19	2.45	First Order
TT319.6	6.99	3.13	First Order	1.12	3.39	First Order
TT314.7	6.11	4.69	First Order	0.76	4.16	First Order
TT310.0	5.45	4.60	First Order	0.84	3.70	First Order
TT307.3	7.64	3.43	First Order	0.97	3.35	First Order
TT304.5	5.18	5.17	First Order	0.88	4.44	First Order
TR3.8	9.47	3.20	First Order	1.70	3.20	First Order
TR1.3	8.78	3.65	First Order	1.27	3.00	First Order
TTFA0.3	6.45	3.60	First Order	0.88	4.52	First Order
LC0.2	2.77	5.92	First Order	0.43	5.78	First Order
JC315.8	9.40	3.39	First Order	1.25	3.47	First Order
CF1.4	3.24	10.03	First Order	0.38	4.96	First Order
Point Source Stations						
Station	CBOD <sub>u</sub> (mg/l)	f-ratio	Curve Fit	NBOD <sub>u</sub> (mg/l)	f-ratio	Curve Fit
HAMILTON	5.53	6.23	First Order	1.89	3.47	First Order
WESTPOINT	27.30	7.18	First Order	4.16	6.96	First Order
BRYAN*	24.00	13.84	First Order	--	--	First Order
ABERDEEN	25.40	4.23	First Order	5.90	2.81	First Order
COLUMBUS	21.10	3.65	First Order	2.63	5.78	First Order
TTSPORTS	7.65	3.06	First Order	3.05	2.02	First Order
WPAPER	92.50	8.84	First Order	8.14	2.07	First Order
EKA	21.40	3.86	First Order	5.27	1.82	First Order
KMCGEE	33.00	8.51	First Order	1.01	na	Logistics
WINFIELD	42.60	3.03	First Order	58.90	1.58	First Order

\* - No nitrogenous demand exerted during test.  
 na - Not applicable due to logistics curve fit.

**TT340.0**



— TBOD Curve Fit — NBOD Curve Fit — CBOD Curve Fit ● Original TBOD Data ● NBOD Data ● CBOD Data

**Station TT340.0**

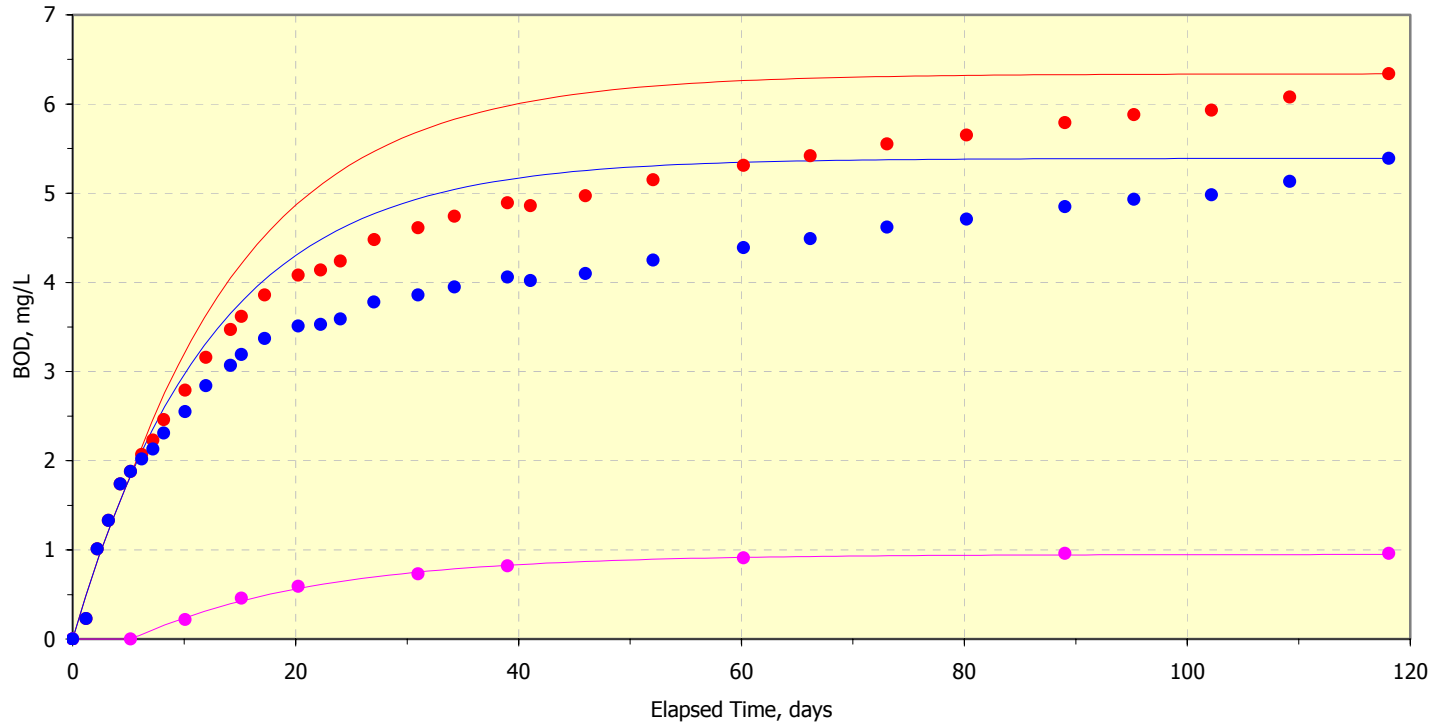
CBOD<sub>u</sub> (mg/l) = 5.10

K Rate = 0.082

f-ratio = 2.97



TT336.3



— TBOD Curve Fit — NBOD Curve Fit — CBOD Curve Fit ● Original TBOD Data ● NBOD Data ● CBOD Data

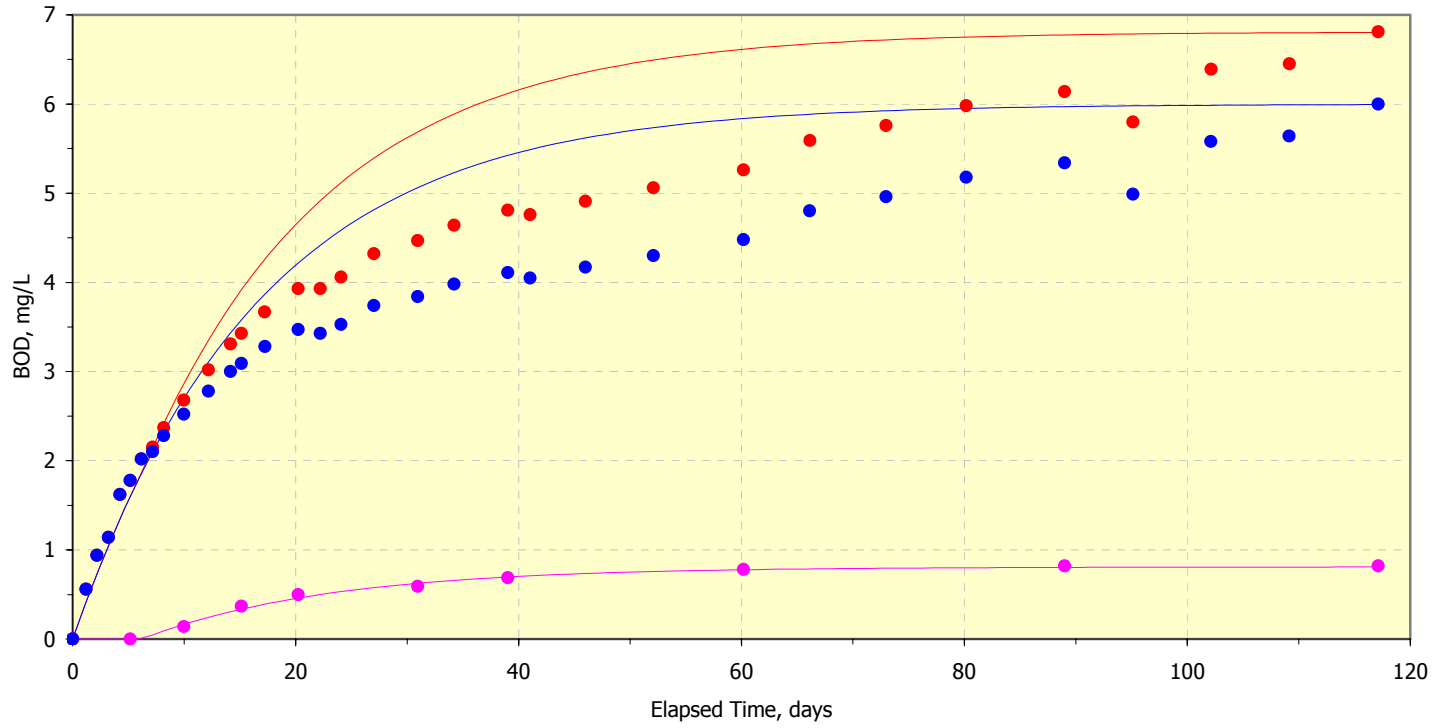
Station TT336

CBOD<sub>u</sub> (mg/l) = 5.39

K Rate = 0.080

f-ratio = 3.03

TT332.4



— TBOD Curve Fit — NBOD Curve Fit — CBOD Curve Fit ● Original TBOD Data ● NBOD Data ● CBOD Data

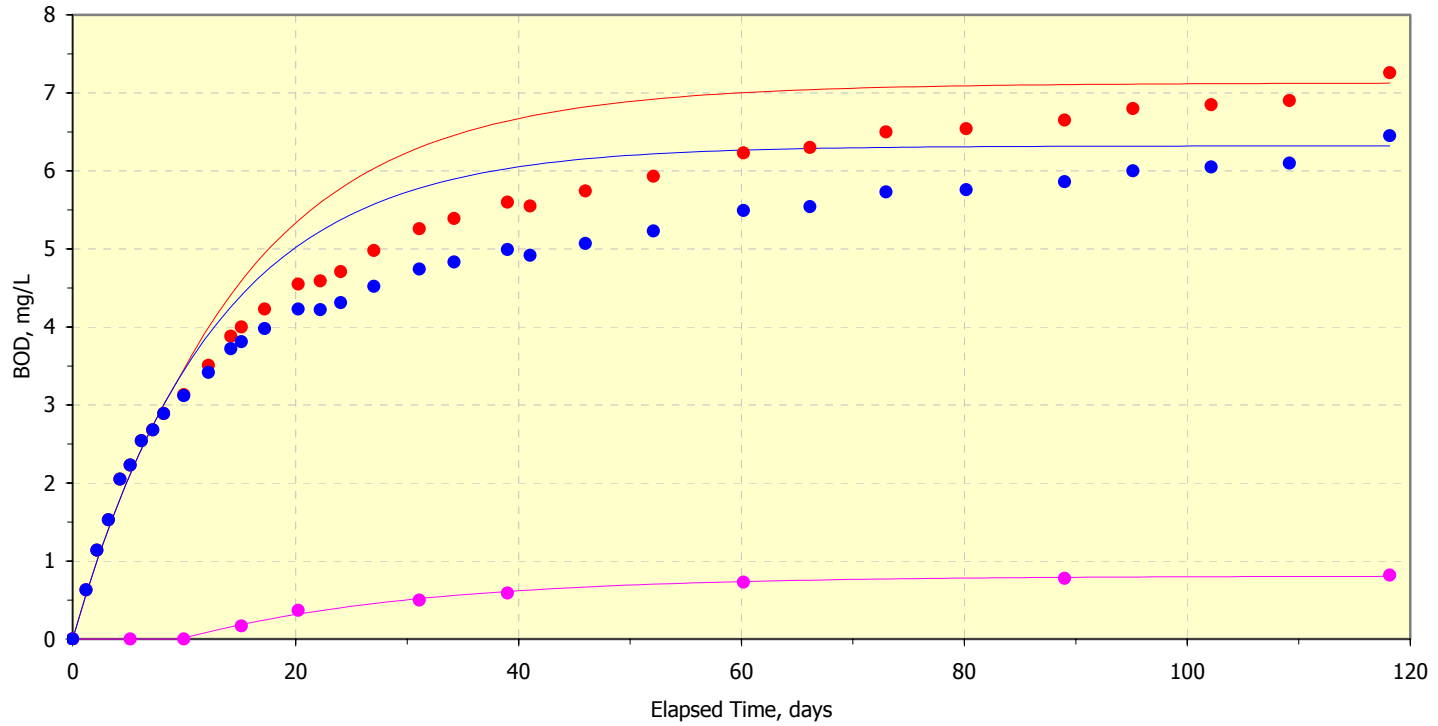
Station TT332

CBOD<sub>u</sub> (mg/l) = 6.00

K Rate = 0.060

f-ratio = 3.86

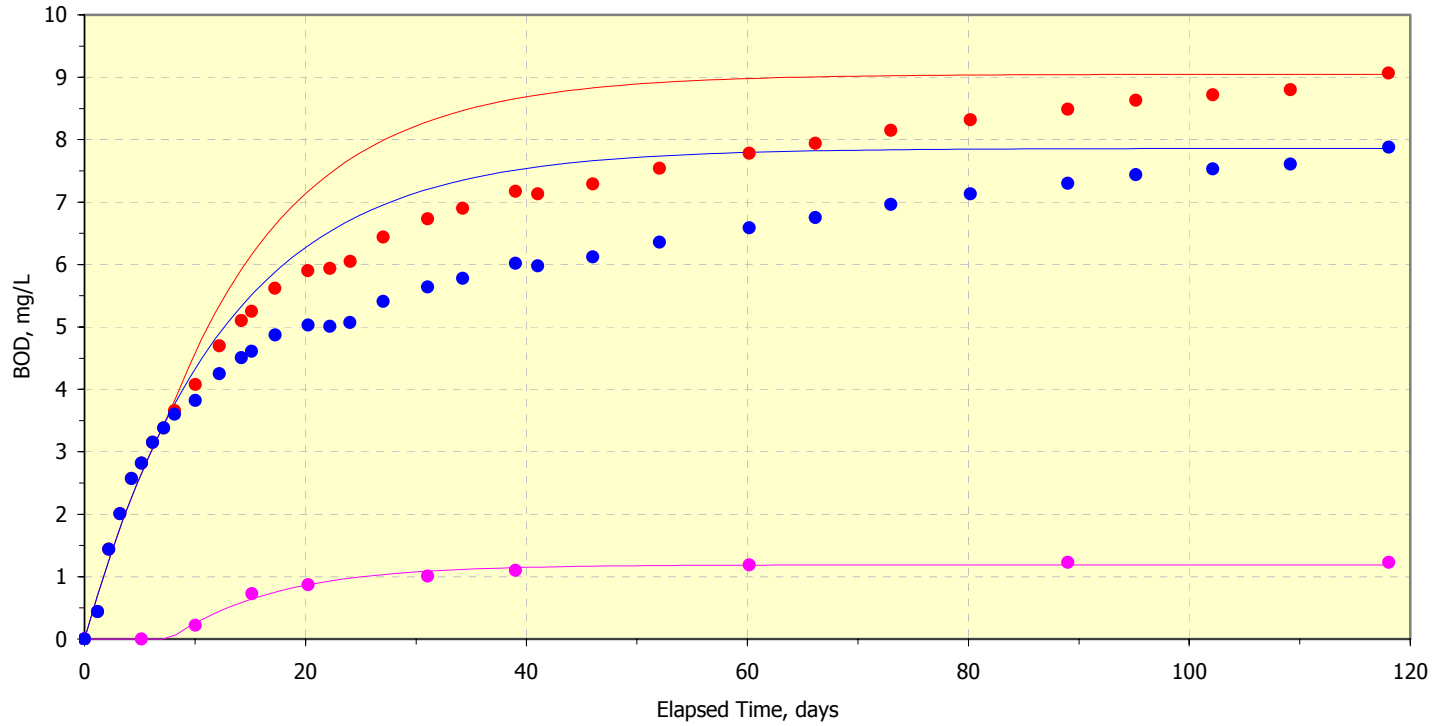
TT327.7



— TBOD Curve Fit — NBOD Curve Fit — CBOD Curve Fit ● Original TBOD Data ● NBOD Data ● CBOD Data

Station TT327       $CBOD_u$  (mg/l) = 6.32      K Rate = 0.079      f-ratio = 3.06

TT324.4



— TBOD Curve Fit — NBOD Curve Fit — CBOD Curve Fit ● Original TBOD Data ● NBOD Data ● CBOD Data

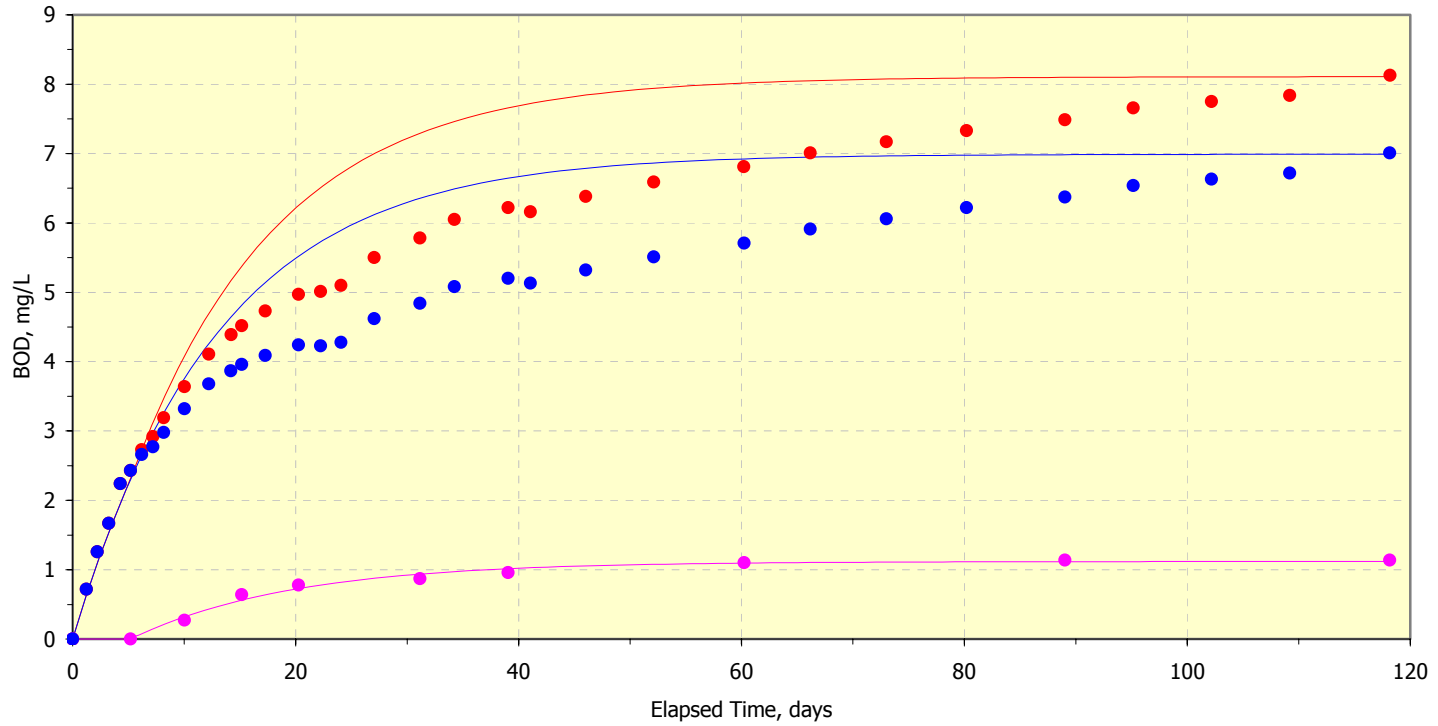
**Station TT324**

CBOD<sub>u</sub> (mg/l) = 7.86

K Rate = 0.080

f-ratio = 3.03

TT319.6



— TBOD Curve Fit — NBOD Curve Fit — CBOD Curve Fit ● Original TBOD Data ● NBOD Data ● CBOD Data

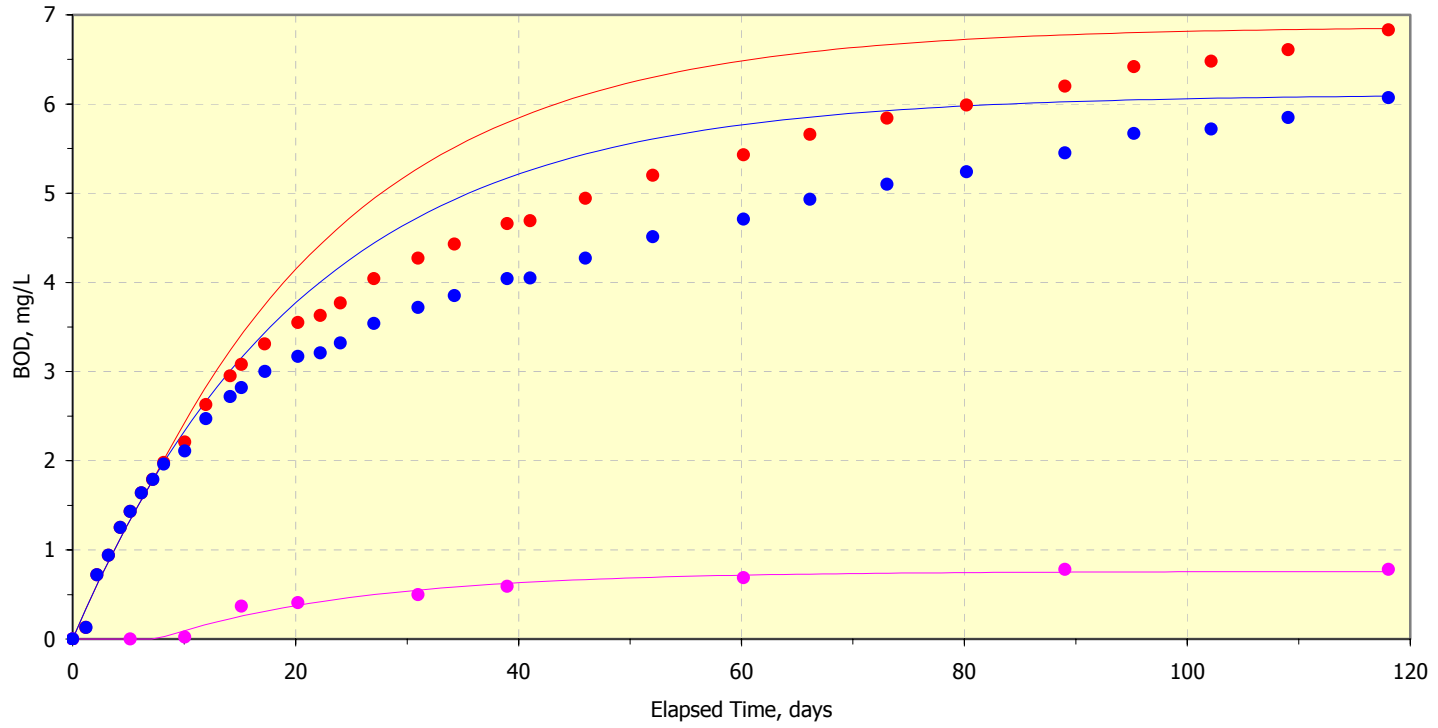
Station TT319

CBOD<sub>u</sub> (mg/l) = 6.99

K Rate = 0.077

f-ratio = 3.13

TT314.7



— TBOD Curve Fit — NBOD Curve Fit — CBOD Curve Fit ● Original TBOD Data ● NBOD Data ● CBOD Data

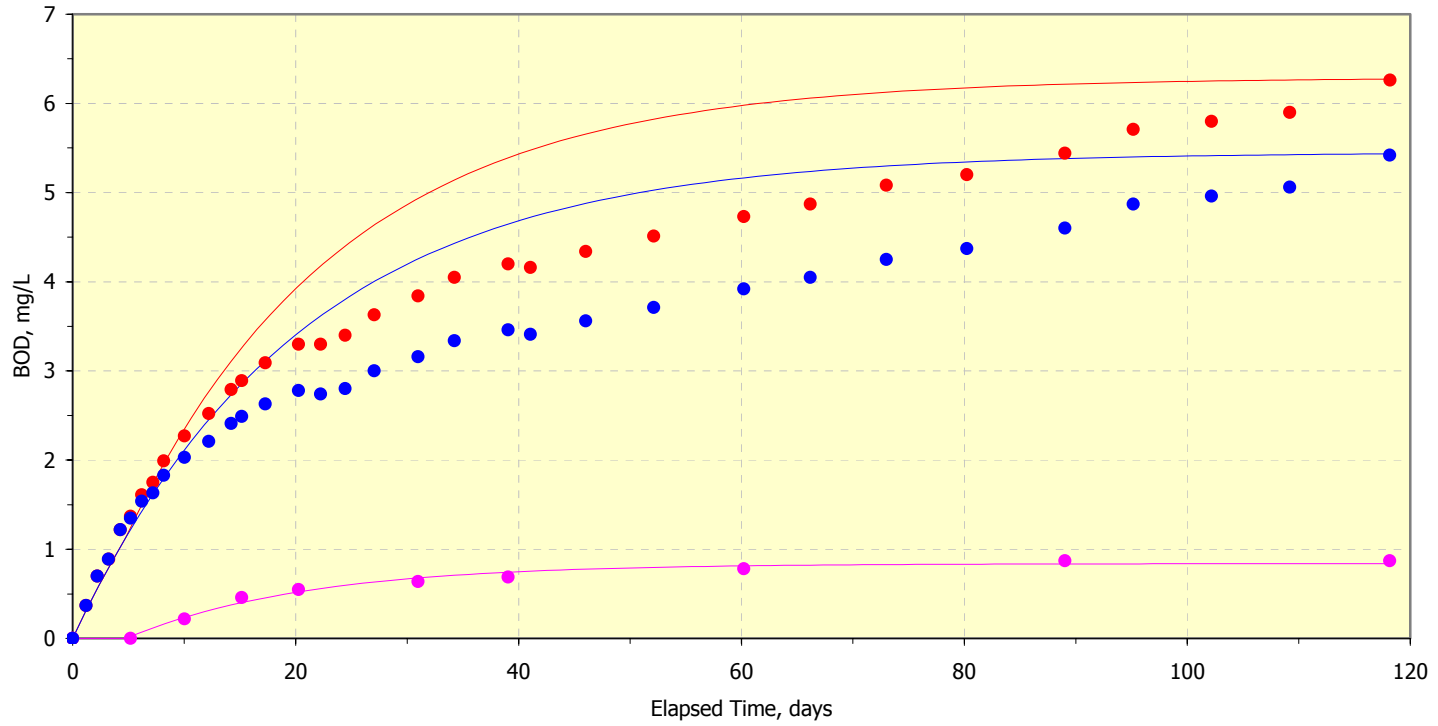
Station TT314

CBOD<sub>u</sub> (mg/l) = 6.11

K Rate = 0.048

f-ratio = 4.69

### TT310.0



— TBOD Curve Fit — NBOD Curve Fit — CBOD Curve Fit ● Original TBOD Data ● NBOD Data ● CBOD Data

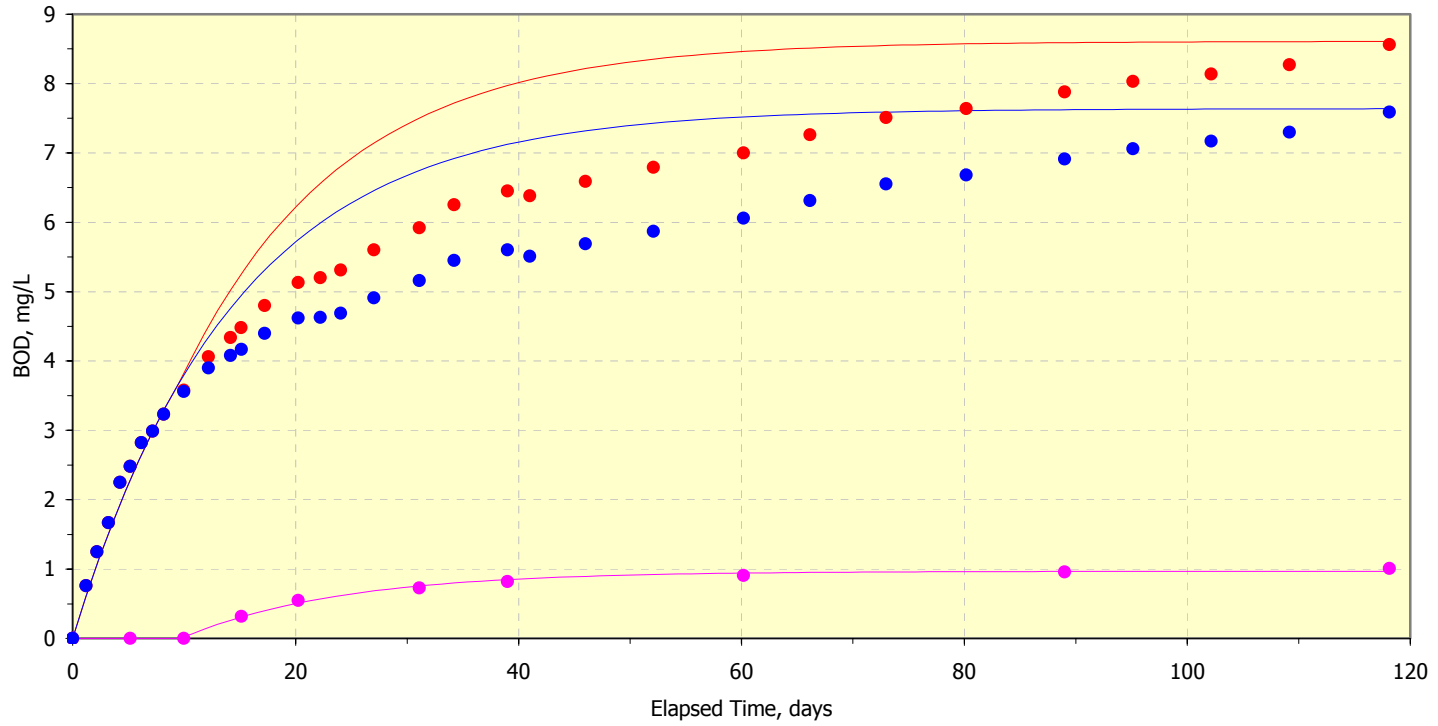
**Station TT310**

CBOD<sub>u</sub> (mg/l) = 5.45

K Rate = 0.049

f-ratio = 4.60

**TT307.3**



— CBOD Curve Fit — NBOD Curve Fit — CBOD Curve Fit ● Original TBOD Data ● NBOD Data ● CBOD Data

**Station TT307**

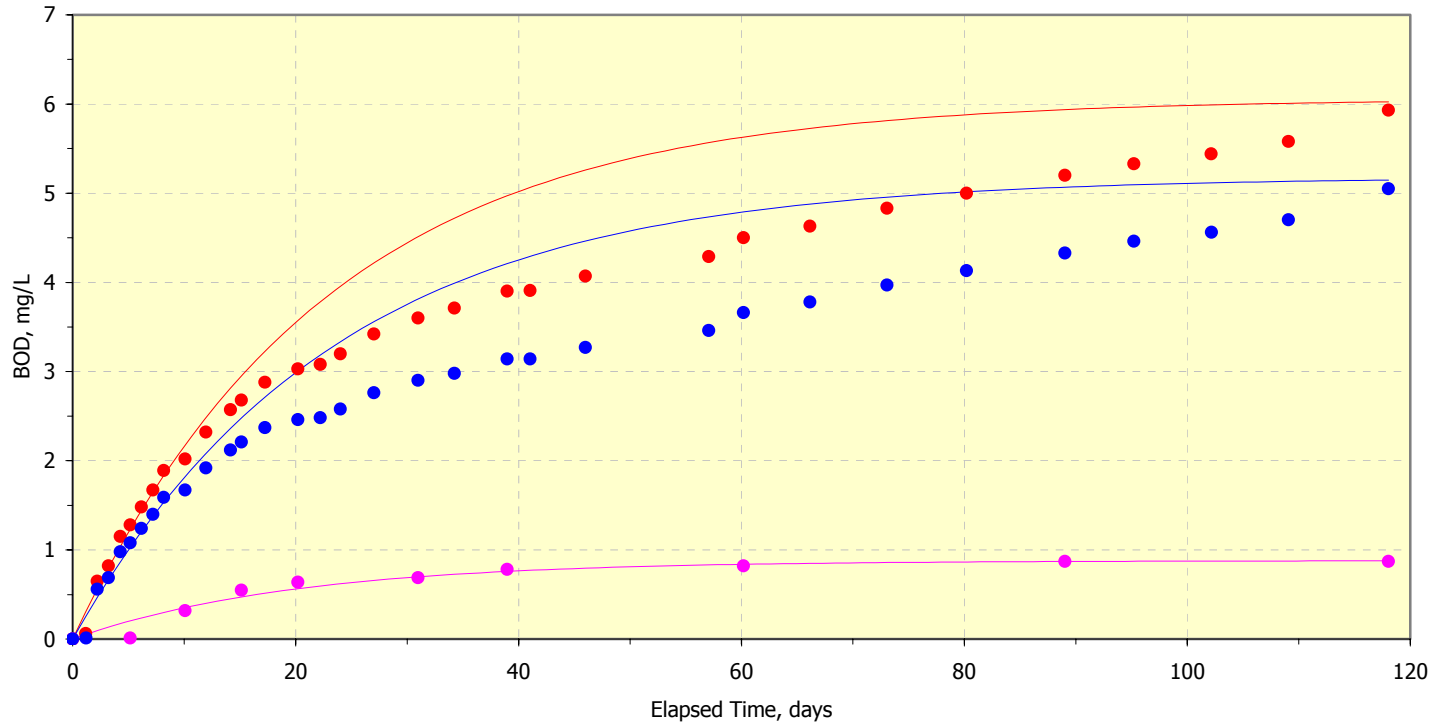
CBOD<sub>u</sub> (mg/l) = 7.64

K Rate = 0.069

f-ratio = 3.43



TT304.5



— TBOD Curve Fit — NBOD Curve Fit — CBOD Curve Fit ● Original TBOD Data ● NBOD Data ● CBOD Data

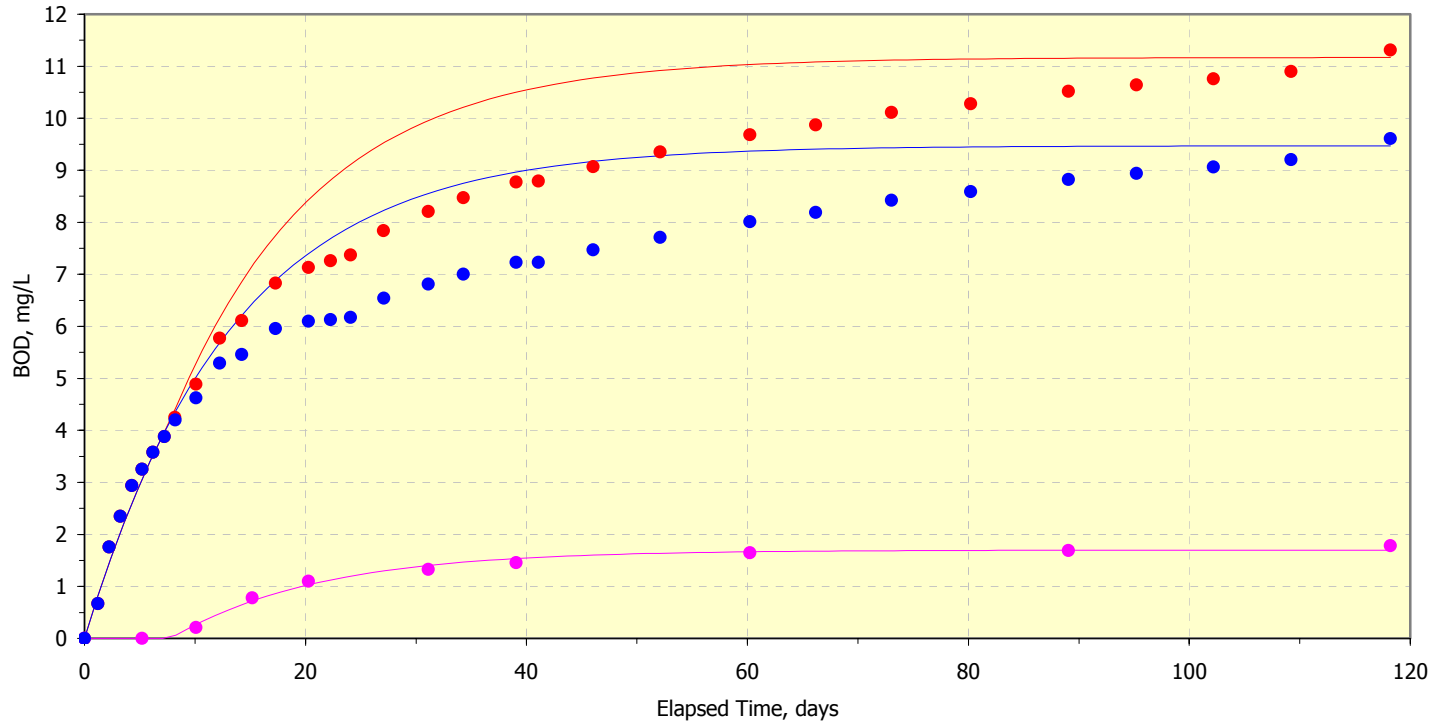
Station TT30

CBOD<sub>u</sub> (mg/l) = 5.18

K Rate = 0.043

f-ratio = 5.17

**TR3.8**



—●— TBOD Curve Fit   
 —●— NBOD Curve Fit   
 —●— CBOD Curve Fit   
 ● Original TBOD Data   
 ● NBOD Data   
 ● CBOD Data

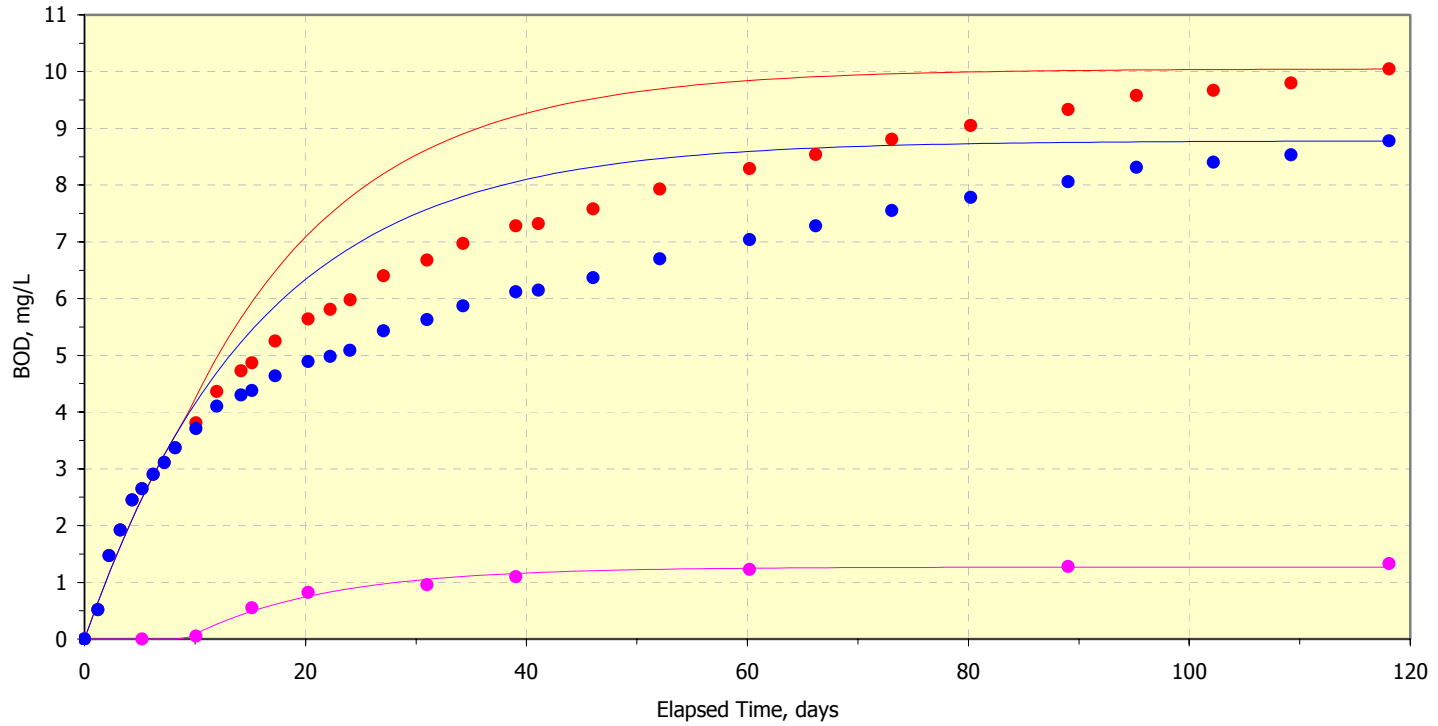
**Station TR3.8**

CBOD<sub>u</sub> (mg/l) = 9.47

K Rate = 0.075

f-ratio = 3.20

**TR1.3**



— TBOD Curve Fit — NBOD Curve Fit — CBOD Curve Fit ● Original TBOD Data ● NBOD Data ● CBOD Data

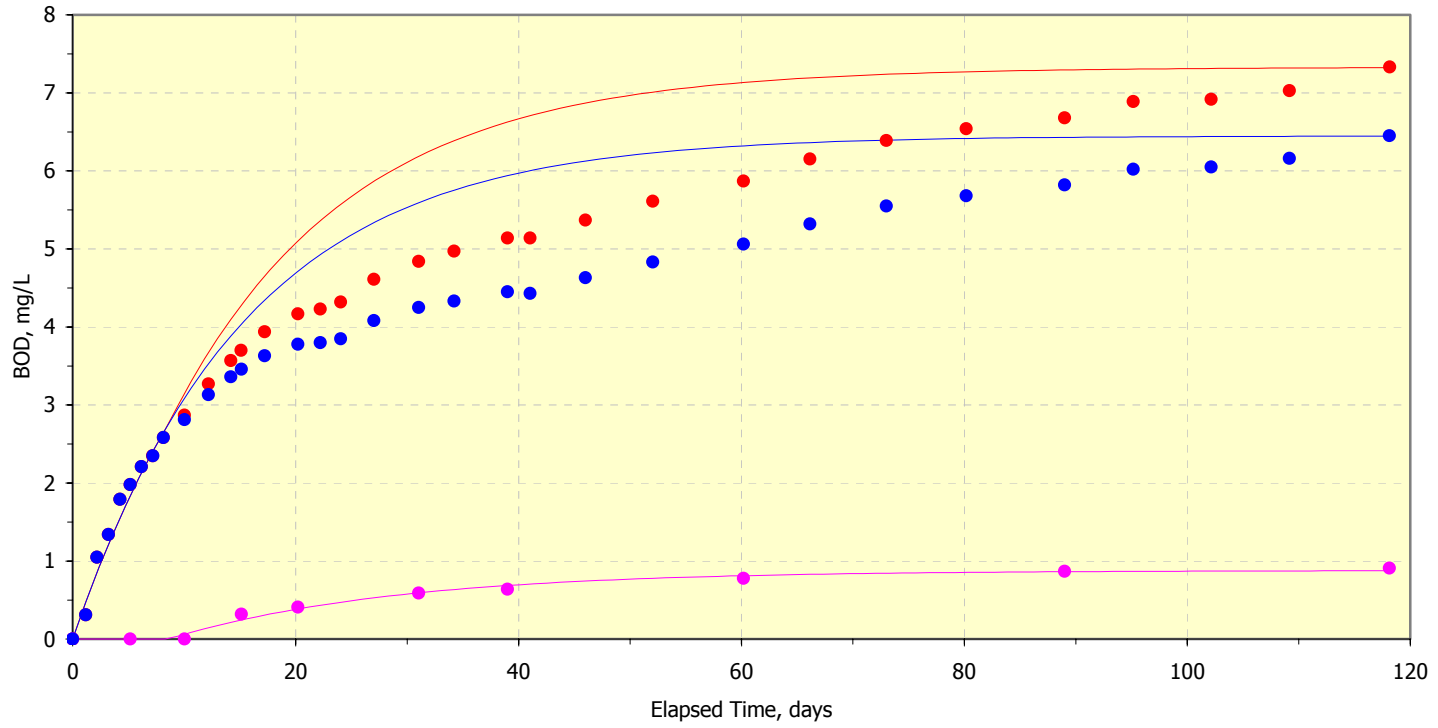
**Station TR1.3**

CBOD<sub>u</sub> (mg/l) = 8.78

K Rate = 0.064

f-ratio = 3.65

### TTFA0.3



— TBOD Curve Fit — NBOD Curve Fit — CBOD Curve Fit ● Original TBOD Data ● NBOD Data ● CBOD Data

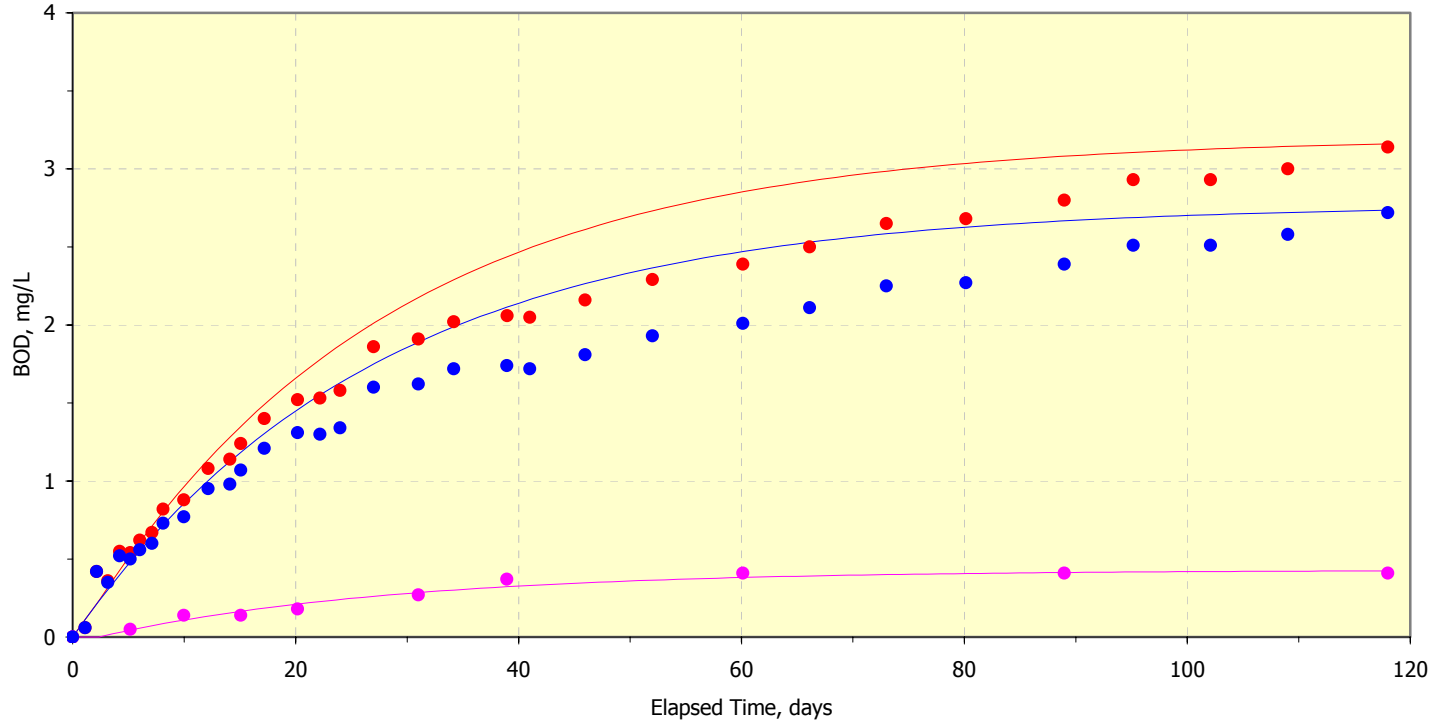
**Station TTFA0.3**

CBOD<sub>u</sub> (mg/l) = 6.45

K Rate = 0.065

f-ratio = 3.60

**LC0.2**



— TBOD Curve Fit — NBOD Curve Fit — CBOD Curve Fit ● Original TBOD Data ● NBOD Data ● CBOD Data

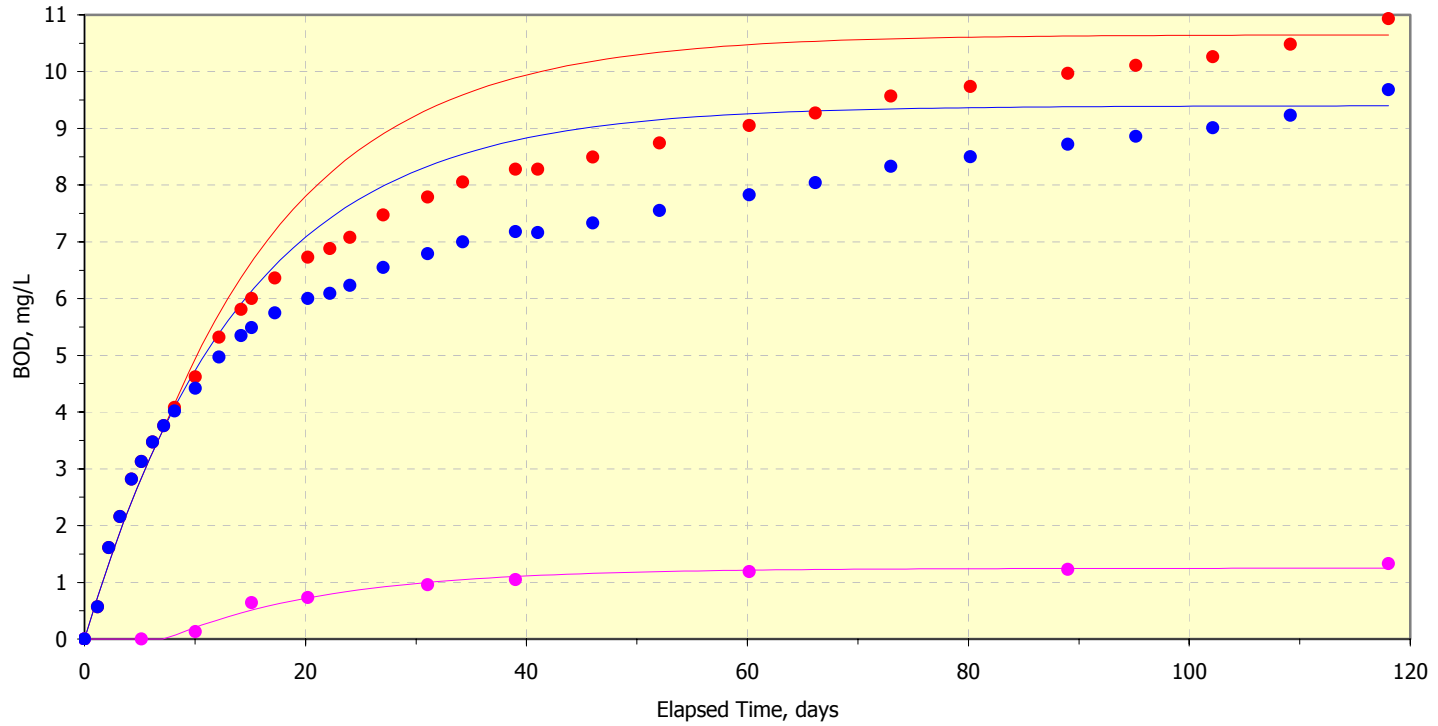
**Station LC0.2**

CBOD<sub>u</sub> (mg/l) = 2.77

K Rate = 0.037

f-ratio = 5.92

### JC315.8



— TBOD Curve Fit — NBOD Curve Fit — CBOD Curve Fit ● Original TBOD Data ● NBOD Data ● CBOD Data

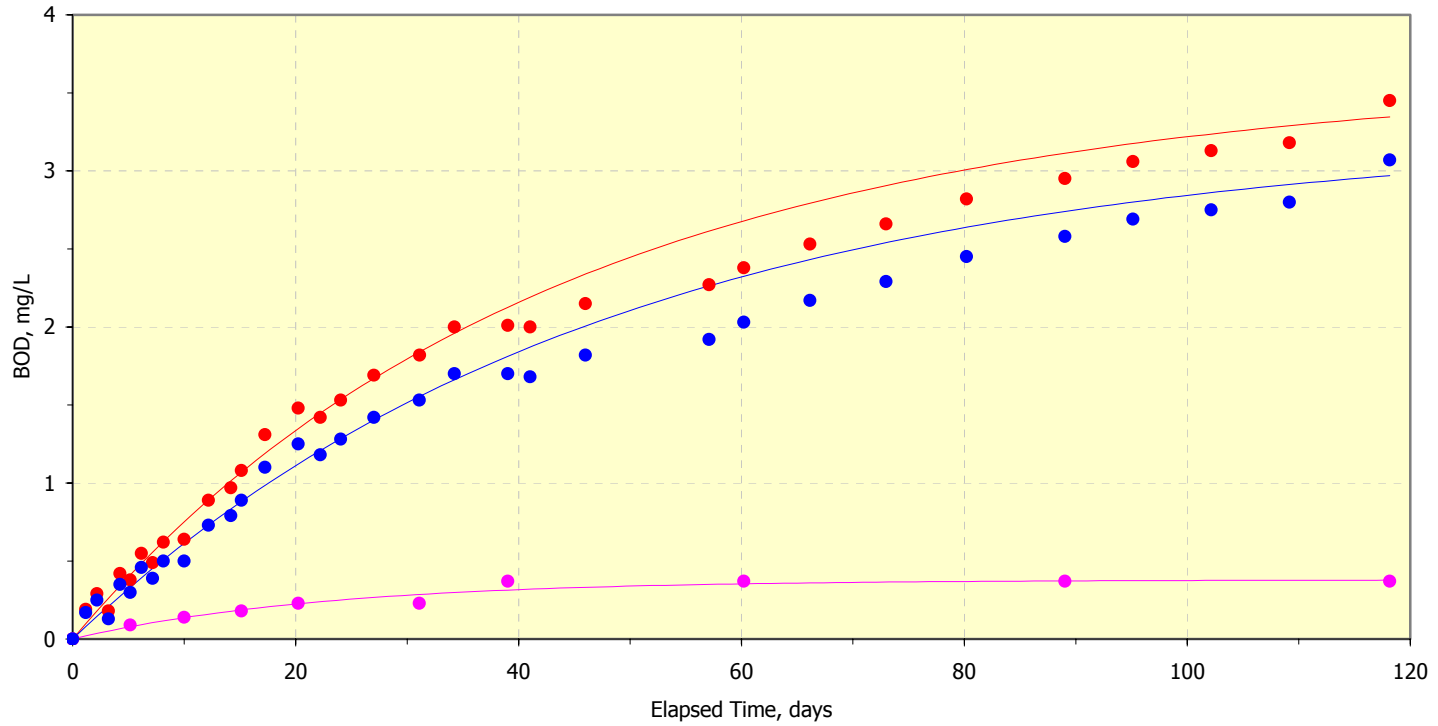
**Station JC315.8**

CBOD<sub>u</sub> (mg/l) = 9.40

K Rate = 0.070

f-ratio = 3.39

**CF1.4**



— TBOD Curve Fit — NBOD Curve Fit — CBOD Curve Fit ● Original TBOD Data ● NBOD Data ● CBOD Data

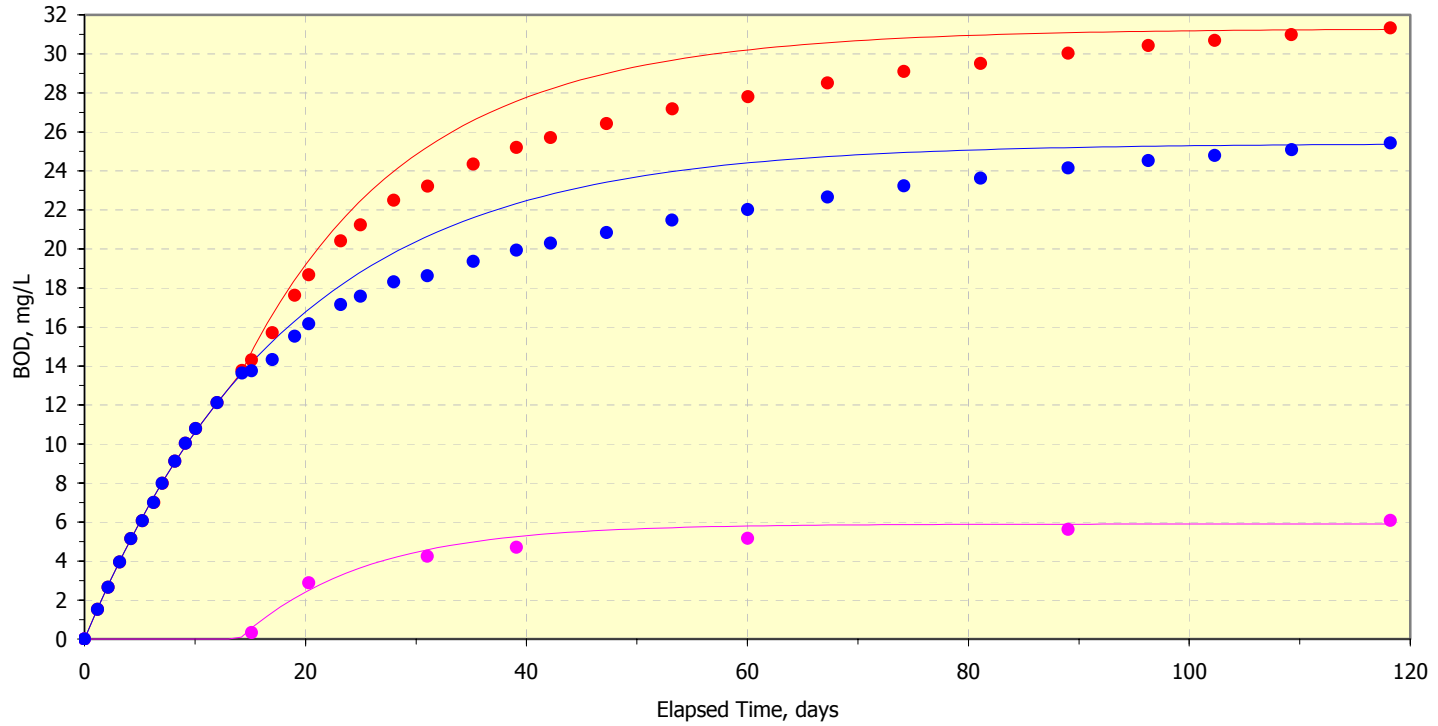
**Station CF1.4**

CBOD<sub>u</sub> (mg/l) = 3.24

K Rate = 0.021

f-ratio = 10.03

**Aberdeen**



— TBOD Curve Fit — NBOD Curve Fit — CBOD Curve Fit ● Original TBOD Data ● NBOD Data ● CBOD Data

**Station Aberdeen**

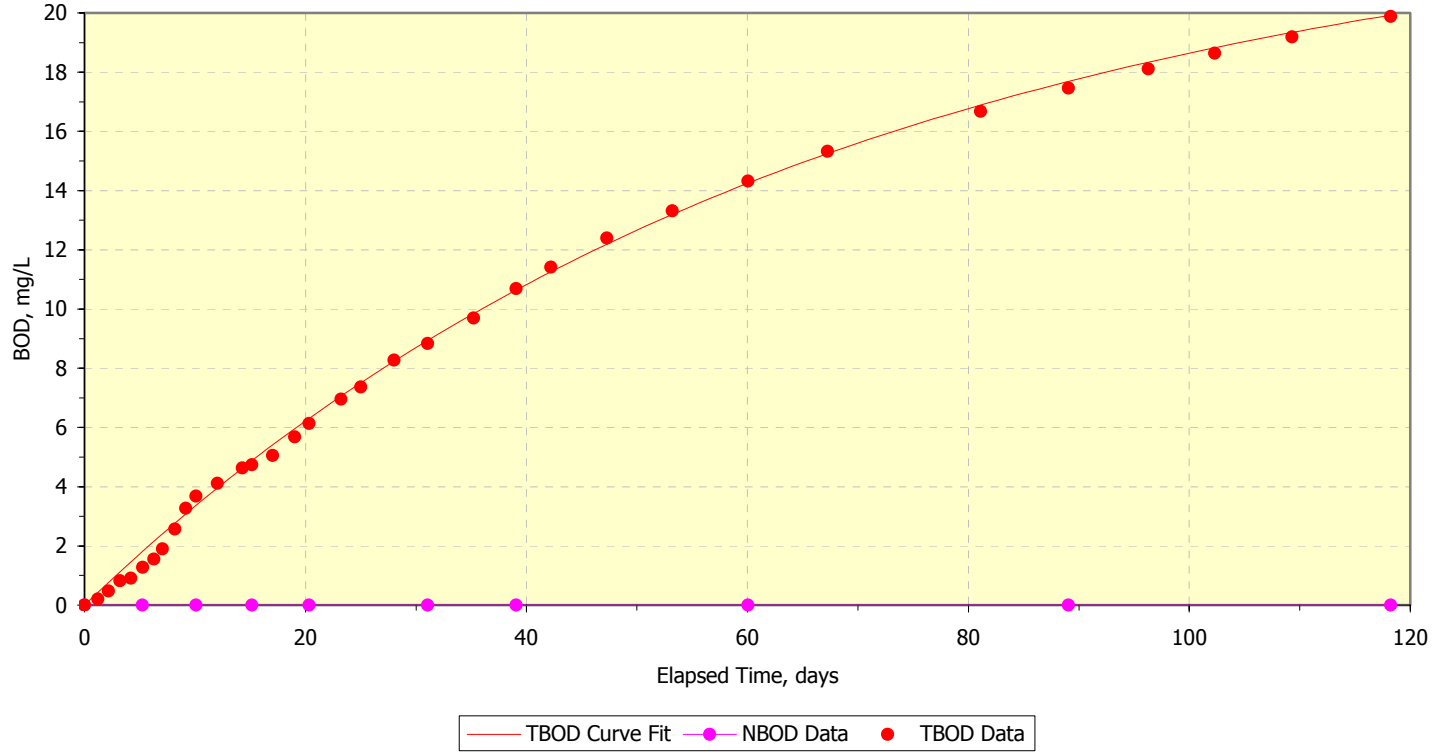
CBOD<sub>u</sub> (mg/l) = 25.40

K Rate = 0.054

f-ratio = 4.23



### Bryan



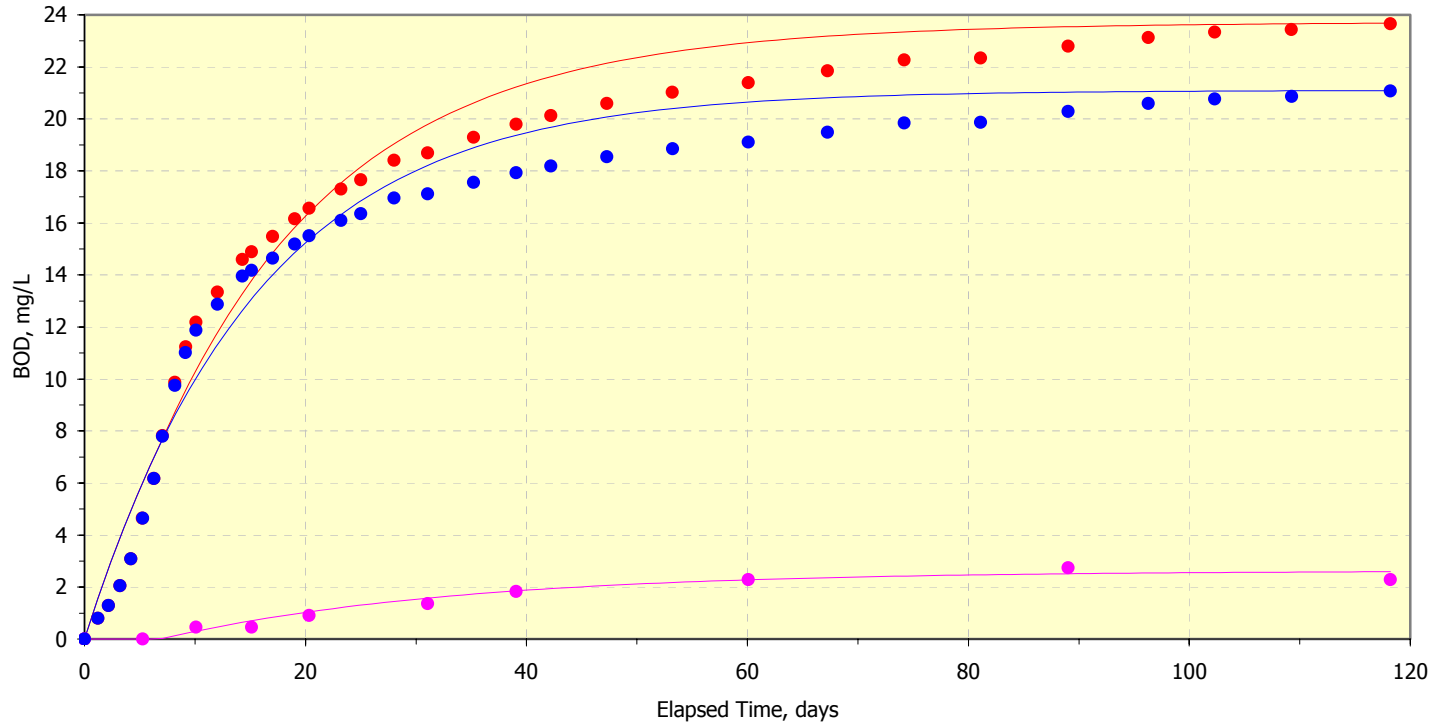
**Station Bryan**

CBOD<sub>u</sub> (mg/l) = 24.00

K Rate = 0.015

f-ratio = 13.84

### Columbus



—●— TBOD Curve Fit   
 —●— NBOD Curve Fit   
 —●— CBOD Curve Fit   
 ● Original TBOD Data   
 ● NBOD Data   
 ● CBOD Data

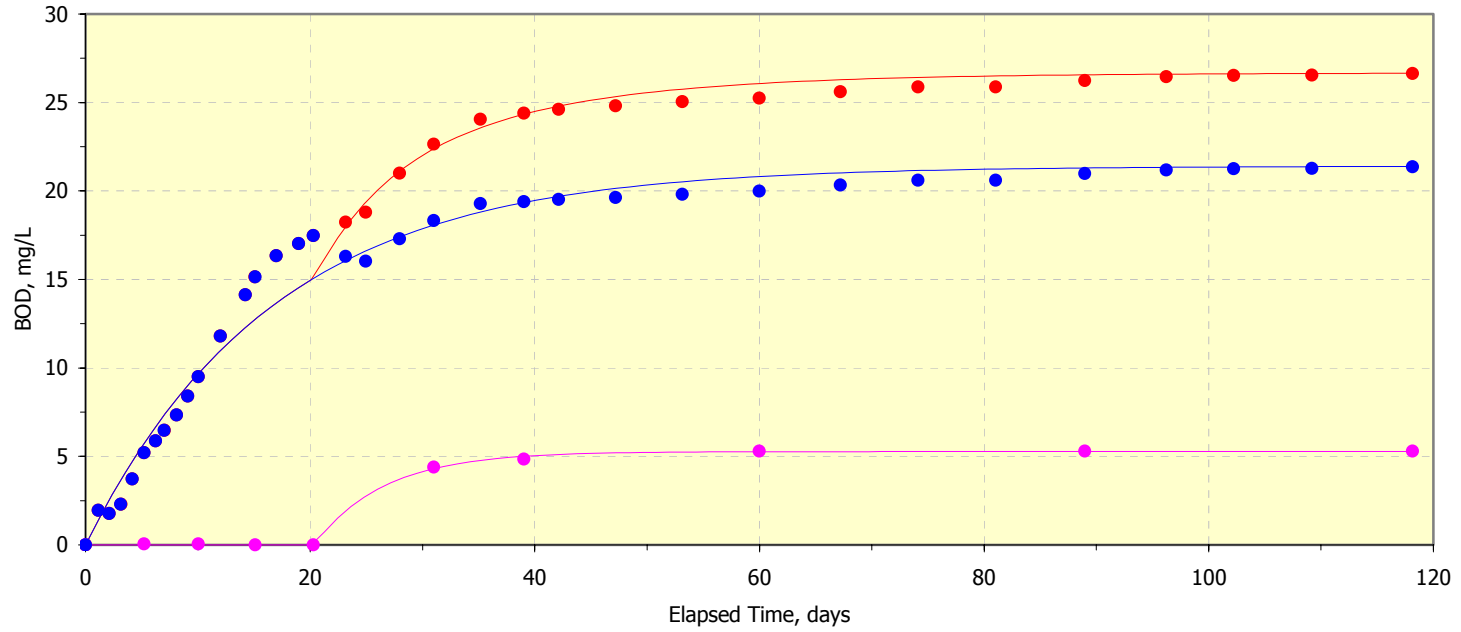
**Station Columbus**

CBOD<sub>u</sub> (mg/l) = 21.10

K Rate = 0.064

f-ratio = 3.65

### EKA



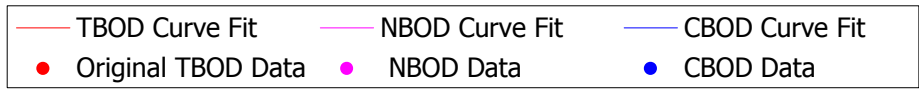
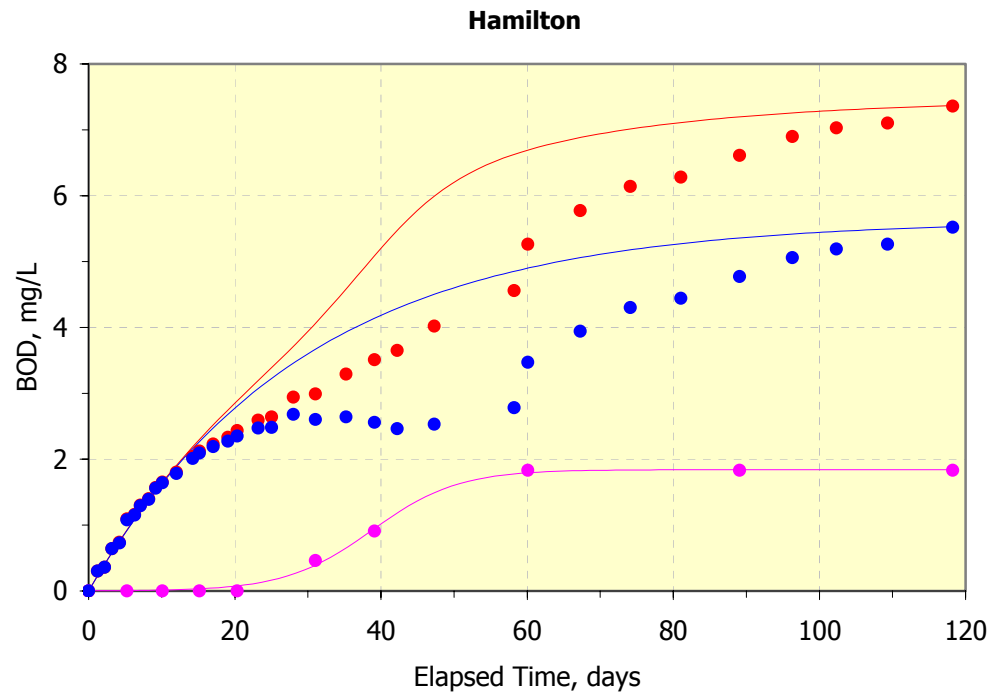
— TBOD Curve Fit    — NBOD Curve Fit    — CBOD Curve Fit    ● Original TBOD Data    ● NBOD Data    ● CBOD Data

**Station EKA**

CBOD<sub>u</sub> (mg/l) = 21.40

K Rate = 0.060

f-ratio = 3.86

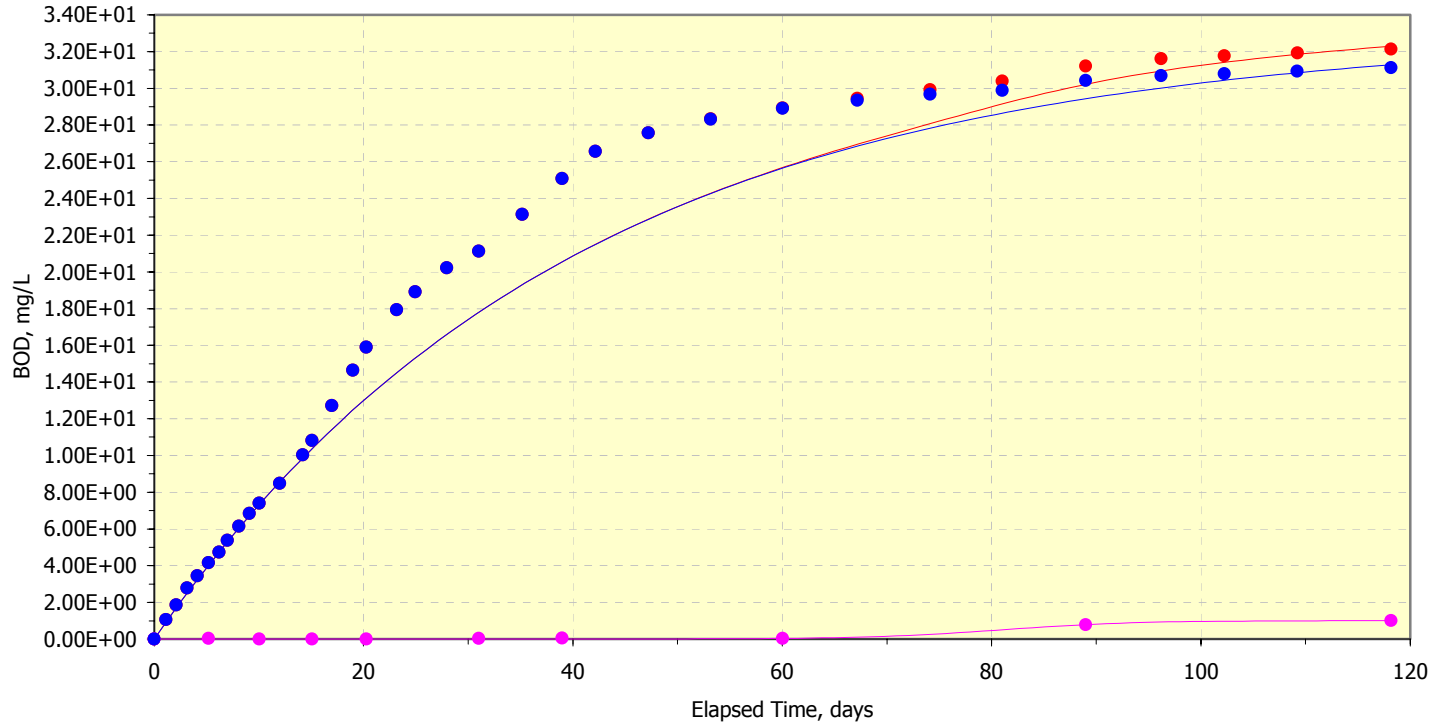


**Station Hamilton**

$CBOD_u$  (mg/l) = 5.63 K Rate = 0.034

f-ratio = 6.40

KMcGee



— TBOD Curve Fit — NBOD Curve Fit — CBOD Curve Fit ● Original TBOD Data ● NBOD Data ● CBOD Data

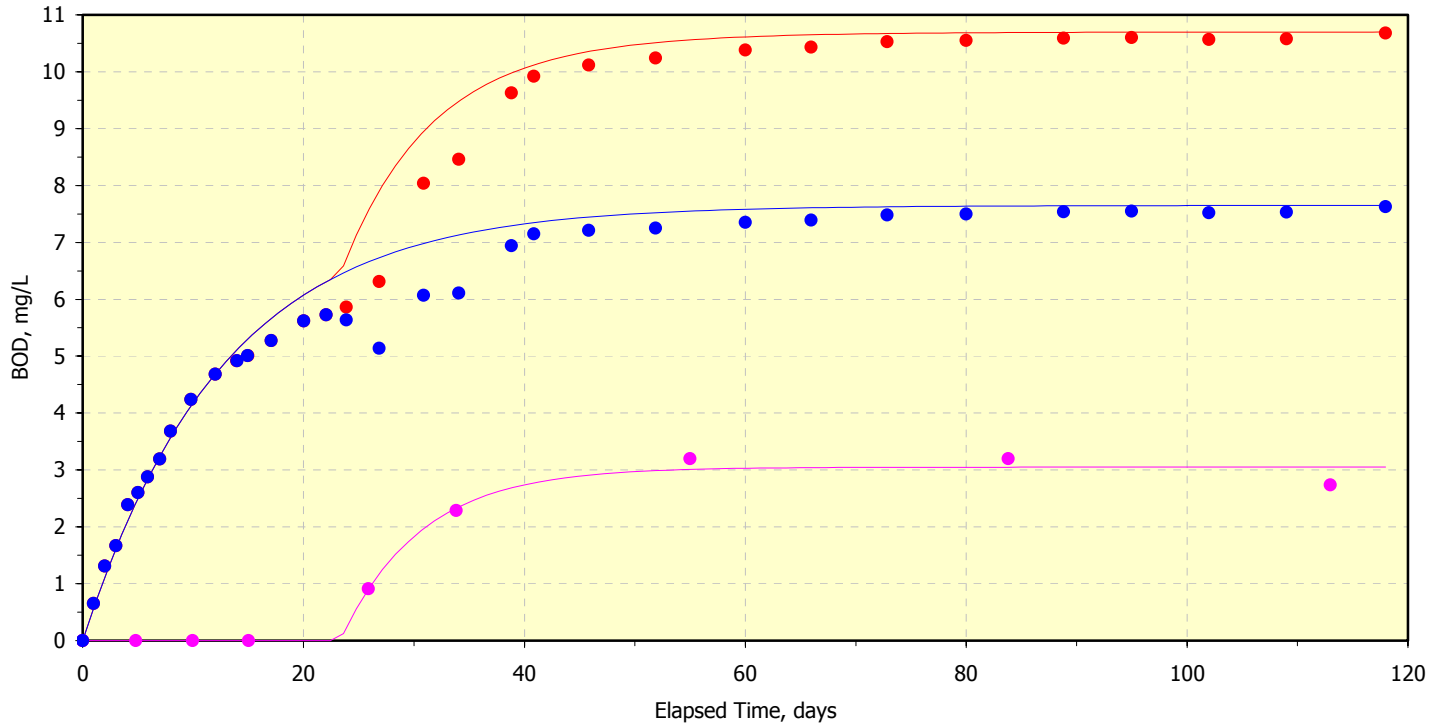
**Station KMcGee**

CBOD<sub>u</sub> (mg/l) = 33.00

K Rate = 0.025

f-ratio = 8.51

**TTSports**



— TBOD Curve Fit — NBOD Curve Fit — CBOD Curve Fit ● Original TBOD Data ● NBOD Data ● CBOD Data

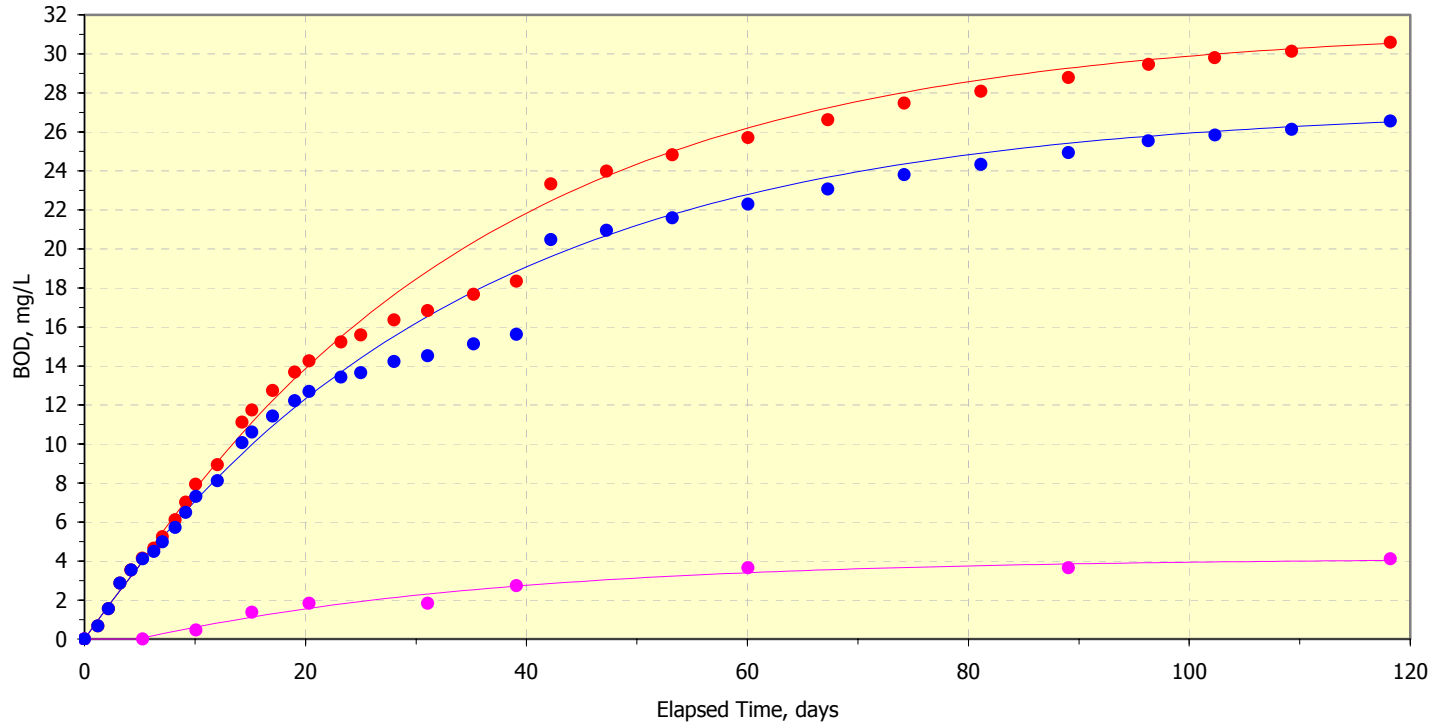
**Station TTSports**

CBOD<sub>u</sub> (mg/l) = 7.65

K Rate = 0.079

f-ratio = 3.06

### Westpoint



—●— TBOD Curve Fit   
 —●— NBOD Curve Fit   
 —●— CBOD Curve Fit   
 ● Original TBOD Data   
 ● NBOD Data   
 ● CBOD Data

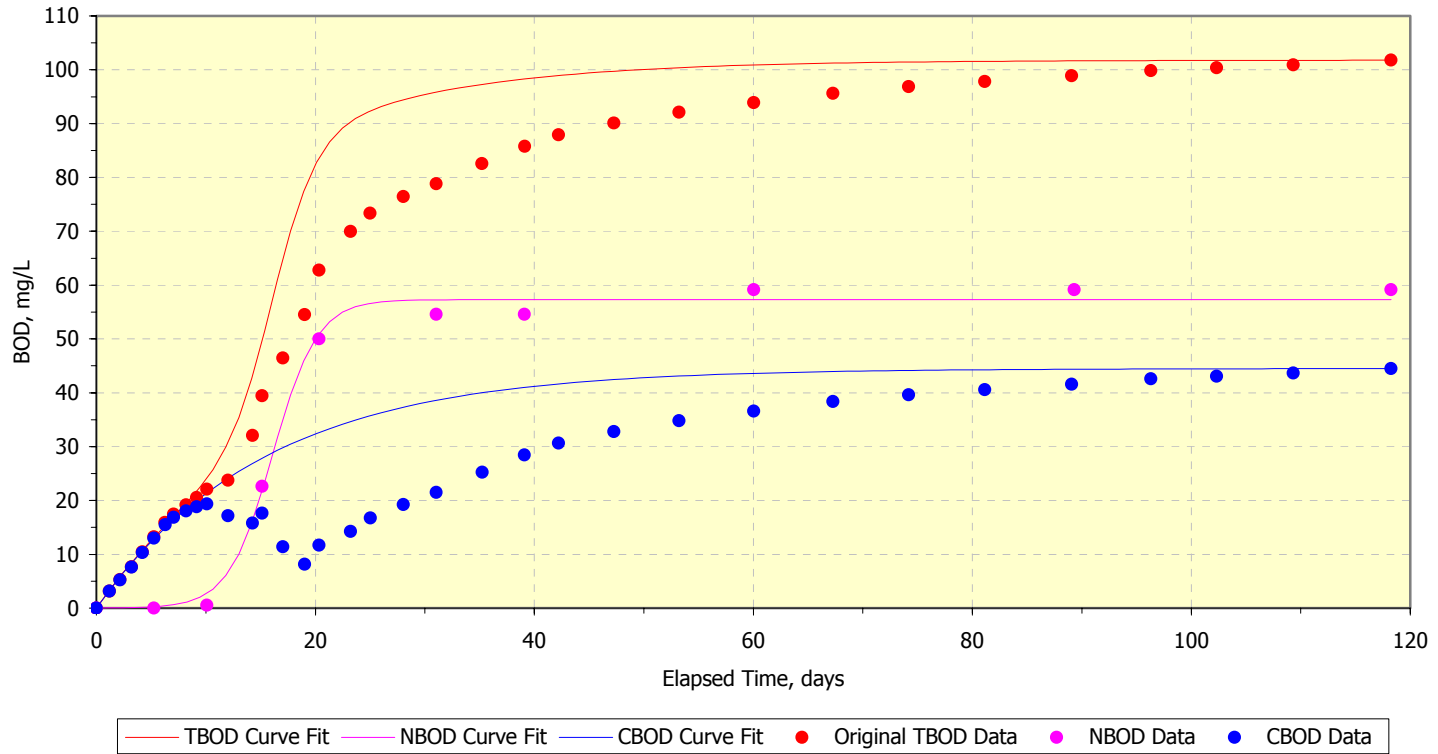
**Station Westpoint**

CBOD<sub>u</sub> (mg/l) = 27.30

K Rate = 0.030

f-ratio = 7.18

### Winfield



**Station Winfield**

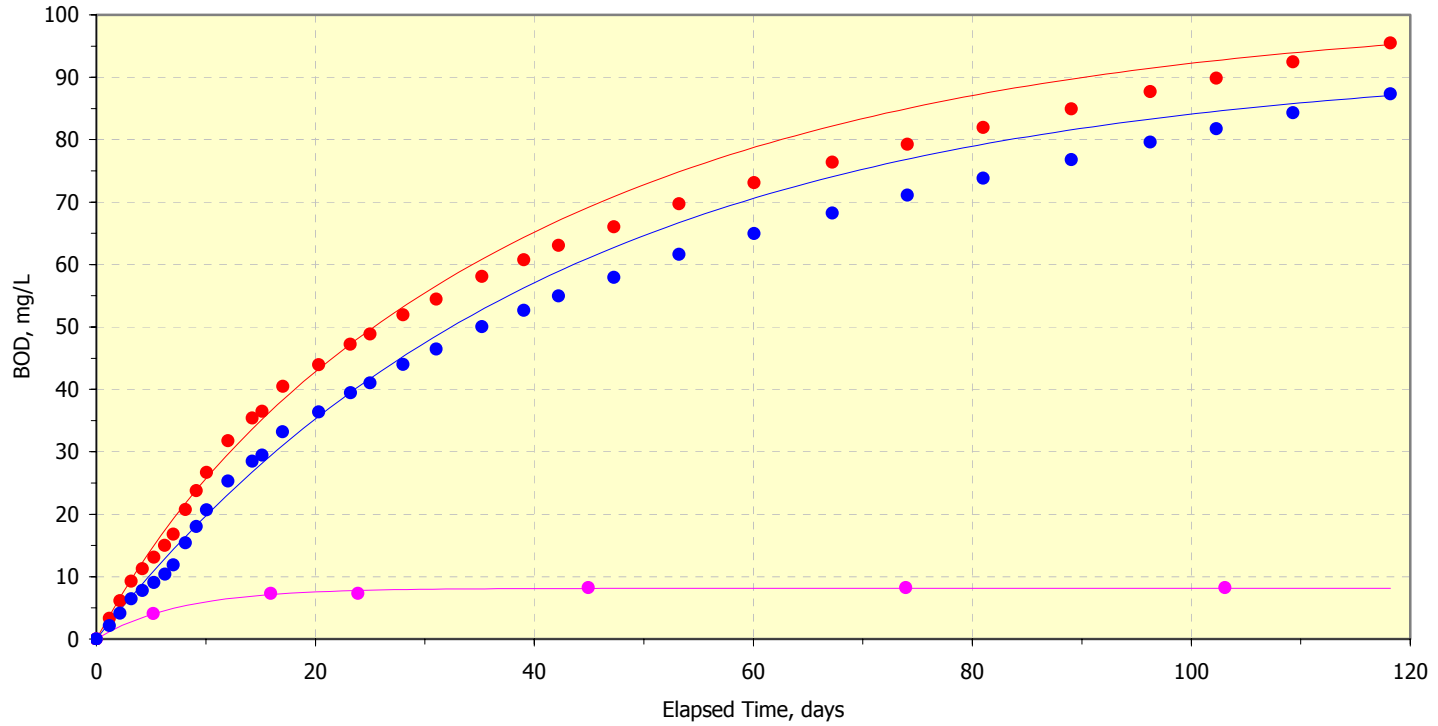
CBOD<sub>u</sub> (mg/l) = 44.50

K Rate = 0.065

f-ratio = 3.60



### Wpaper



— TBOD Curve Fit — NBOD Curve Fit — CBOD Curve Fit ● Original TBOD Data ● NBOD Data ● CBOD Data

**Station Wpaper**     $CBOD_u$  (mg/l) = 92.50    K Rate = 0.024    f-ratio = 8.84

## DO/BOD Data - TT340.0

Data No.	Date-Time	Temp °C	DO mg/L	Reaer yes/no	DOr mg/L	Elapsed Time days	Total DO mg/L
1	08/13/05 10:52	20.07	8.57	No		0	8.57
2	08/14/05 13:27	19.8	8.21	No		1.11	8.21
3	08/15/05 14:12	20.14	7.6	No		2.14	7.6
4	08/16/05 14:21	20.21	7.29	No		3.15	7.29
5	08/17/05 15:42	20.11	6.92	No		4.2	6.92
6	08/18/05 14:26	19.9	6.77	No		5.15	6.77
7	08/19/05 11:08	20.04	6.59	No		6.01	6.59
8	08/20/05 13:24	20.07	6.45	No		7.11	6.45
9	08/21/05 13:07	19.95	6.27	No		8.09	6.27
10	08/23/05 09:52	20	6	No		9.96	6
11	08/25/05 14:15	20.24	5.6	No		12.14	5.6
12	08/27/05 13:06	19.79	5.37	No		14.09	5.37
13	08/28/05 12:45	19.7	5.25	No		15.08	5.25
14	08/30/05 15:36	19.92	5.03	No		17.2	5.03
15	09/02/05 14:59	20.04	4.81	No		20.17	4.81
16	09/04/05 15:04	19.85	4.78	No		22.18	4.78
17	09/06/05 10:41	20.18	4.69	No		23.99	4.69
18	09/09/05 10:33	20.23	4.44	No		26.99	4.44
19	09/13/05 11:07	20.28	4.26	No		31.01	4.26
20	09/16/05 15:33	20.01	4.13	No		34.2	4.13
21	09/21/05 09:48	20.23	4	No		38.96	4
22	09/23/05 10:47	20.04	4.03	No		41	4.03
23	09/28/05 09:46	20.52	3.89	No		45.95	3.89
24	10/04/05 11:07	20.07	3.74	No		52.01	3.74
25	10/12/05 14:08	20.09	3.56	No		60.14	3.56
26	10/18/05 13:30	20.18	3.47	No		66.11	3.47
27	10/25/05 10:32	20.46	3.31	No		72.99	3.31
28	11/01/05 13:59	20.25	3.23	No		80.13	3.23
29	11/10/05 09:57	20.09	3.09	No		88.96	3.09
30	11/16/05 14:07	20.03	3.01	No		95.14	3.01
31	11/23/05 13:07	20.08	2.97	No		102.09	2.97
32	11/30/05 11:04	20.15	2.89	Yes	8.47	109.01	2.89
33	12/09/05 10:50	20.16	8.29	No		118	2.71

## Nitrogen Data

Data No.	Date-time	TKN mg/L as N	NH3 mg/L as N	NO3 mg/L as N	Total Nitrogen mg/L as N	Elapsed Time days	Nitrogenous BOD, mg/L
1	08/13/05 10:52	0.38	0.05	0.05	0.43	0	0
2	08/18/05 14:26			0.05		5.15	0
3	08/23/05 09:52			0.051		9.96	0
4	08/28/05 12:45			0.1		15.08	0.23
5	09/02/05 14:59			0.14		20.17	0.41
6	09/13/05 11:07			0.17		31.01	0.55

7	09/21/05 09:48			0.18		38.96	0.59
8	10/12/05 14:08			0.2		60.14	0.69
9	11/10/05 09:57			0.22		88.96	0.78
10	12/09/05 10:56	0.17	0.05	0.22	0.39	118	0.78

Total BOD mg/L	Initials	Remarks
0		
0.36		
0.97		
1.28		
1.65		
1.8		
1.98		
2.12		
2.3		
2.57		
2.97		
3.2		
3.32		
3.54		
3.76		
3.79		
3.88		
4.13		
4.31		
4.44		
4.57		
4.54		
4.68		
4.83		
5.01		
5.1		
5.26		
5.34		
5.48		
5.56		
5.6		
5.68		
5.86		

**Initials**      **Remarks**

**DO/BOD Data - TT336.3**

Data No.	Date-Time	Temp °C	DO mg/L	Reaer yes/no	DOr mg/L	Elapsed Time days	Total DO mg/L
1	08/13/05 09:18	19.91	8.84	No		0	8.84
2	08/14/05 13:53	19.77	8.61	No		1.19	8.61
3	08/15/05 14:08	20.2	7.83	No		2.2	7.83
4	08/16/05 14:33	20.33	7.51	No		3.22	7.51
5	08/17/05 15:49	20.33	7.1	No		4.27	7.1
6	08/18/05 13:38	20.13	6.96	No		5.18	6.96
7	08/19/05 13:35	20.1	6.77	No		6.18	6.77
8	08/20/05 13:42	20.2	6.61	No		7.18	6.61
9	08/21/05 13:30	20	6.38	No		8.18	6.38
10	08/23/05 11:20	19.72	6.05	No		10.08	6.05
11	08/25/05 08:21	20.18	5.68	No		11.96	5.68
12	08/27/05 12:52	19.72	5.37	No		14.15	5.37
13	08/28/05 12:27	19.66	5.22	No		15.13	5.22
14	08/30/05 14:48	19.91	4.98	No		17.23	4.98
15	09/02/05 14:44	20	4.76	No		20.23	4.76
16	09/04/05 14:50	19.85	4.7	No		22.23	4.7
17	09/06/05 09:56	20.26	4.6	No		24.03	4.6
18	09/09/05 10:22	20.21	4.36	No		27.04	4.36
19	09/13/05 09:05	20.28	4.23	No		30.99	4.23
20	09/16/05 15:24	19.92	4.1	No		34.25	4.1
21	09/21/05 09:30	20.35	3.95	No		39.01	3.95
22	09/23/05 10:40	20.07	3.98	No		41.06	3.98
23	09/28/05 09:13	20.03	3.87	No		46	3.87
24	10/04/05 10:53	20.13	3.69	No		52.07	3.69
25	10/12/05 14:00	20.12	3.53	No		60.2	3.53
26	10/18/05 13:18	20.33	3.42	No		66.17	3.42
27	10/25/05 10:38	20.21	3.29	No		73.06	3.29
28	11/01/05 13:50	20.26	3.19	No		80.19	3.19
29	11/10/05 09:37	20	3.05	No		89.01	3.05
30	11/16/05 14:17	20.23	2.96	No		95.21	2.96
31	11/23/05 13:13	20.16	2.91	Yes	8.44	102.16	2.91
32	11/30/05 13:54	20.25	8.29	No		109.19	2.76
33	12/09/05 11:08	20.21	8.03	No		118.08	2.5

**Nitrogen Data**

Data No.	Date-time	TKN mg/L as N	NH3 mg/L as N	NO3 mg/L as N	Total Nitrogen mg/L as N	Elapsed Time days	Nitrogenous BOD, mg/L
1	08/13/05 09:18	0.46	0.05	0.05	0.51	0	0
2	08/18/05 13:38			0.05		5.18	0
3	08/23/05 11:20			0.098		10.08	0.22
4	08/28/05 12:27			0.15		15.13	0.46
5	09/02/05 14:44			0.18		20.23	0.59
6	09/13/05 09:05			0.21		30.99	0.73

7	09/21/05 09:30			0.23		39.01	0.82
8	10/12/05 14:00			0.25		60.2	0.91
9	11/10/05 09:37			0.26		89.01	0.96
10	12/09/05 11:08	0.13	0.05	0.26	0.39	118.08	0.96

Total BOD mg/L	Initials	Remarks
0		
0.23		
1.01		
1.33		
1.74		
1.88		
2.07		
2.23		
2.46		
2.79		
3.16		
3.47		
3.62		
3.86		
4.08		
4.14		
4.24		
4.48		
4.61		
4.74		
4.89		
4.86		
4.97		
5.15		
5.31		
5.42		
5.55		
5.65		
5.79		
5.88		
5.93		
6.08		
6.34		

**Initials**      **Remarks**

**DO/BOD Data - TT332.4**

Data No.	Date-Time	Temp °C	DO mg/L	Reaer yes/no	DOr mg/L	Elapsed Time days	Total DO mg/L
1	08/13/05 10:37	19.94	8.6	No		0	8.6
2	08/14/05 15:14	19.79	8.04	No		1.19	8.04
3	08/15/05 14:57	20.4	7.66	No		2.18	7.66
4	08/16/05 15:24	20.16	7.46	No		3.2	7.46
5	08/17/05 16:21	20.34	6.98	No		4.24	6.98
6	08/18/05 14:16	19.95	6.82	No		5.15	6.82
7	08/19/05 14:10	20.08	6.58	No		6.15	6.58
8	08/20/05 14:44	20.11	6.45	No		7.17	6.45
9	08/21/05 14:23	20.03	6.23	No		8.16	6.23
10	08/23/05 10:00	19.98	5.92	No		9.97	5.92
11	08/25/05 14:41	20.25	5.58	No		12.17	5.58
12	08/27/05 14:43	19.79	5.29	No		14.17	5.29
13	08/28/05 13:28	19.7	5.17	No		15.12	5.17
14	08/30/05 16:21	19.93	4.93	No		17.24	4.93
15	09/02/05 16:11	20.07	4.67	No		20.23	4.67
16	09/04/05 15:41	19.88	4.67	No		22.21	4.67
17	09/06/05 12:20	20.3	4.54	No		24.07	4.54
18	09/09/05 11:16	20.32	4.28	No		27.03	4.28
19	09/13/05 09:15	20.4	4.13	No		30.94	4.13
20	09/16/05 16:03	19.86	3.96	No		34.23	3.96
21	09/21/05 11:17	20.38	3.79	No		39.03	3.79
22	09/23/05 11:16	20.07	3.84	No		41.03	3.84
23	09/28/05 10:19	20.2	3.69	No		45.99	3.69
24	10/04/05 12:57	20.1	3.54	No		52.1	3.54
25	10/12/05 14:52	20.26	3.34	Yes	8.52	60.18	3.34
26	10/18/05 13:50	20.23	8.19	No		66.13	3.01
27	10/25/05 09:37	20.31	8.02	No		72.96	2.84
28	11/01/05 14:34	20.39	7.8	No		80.16	2.62
29	11/10/05 10:10	20.13	7.64	No		88.98	2.46
30	11/16/05 13:25	19.98	7.98	No		95.12	2.8
31	11/23/05 13:51	20.11	7.39	No		102.13	2.21
32	11/30/05 14:19	20.09	7.33	No		109.15	2.15
33	12/08/05 13:57	20.05	6.97	No		117.14	1.79

**Nitrogen Data**

Data No.	Date-time	TKN mg/L as N	NH3 mg/L as N	NO3 mg/L as N	Total Nitrogen mg/L as N	Elapsed Time days	Nitrogenous BOD, mg/L
1	08/13/05 10:37	0.44	0.05	0.05	0.49	0	0
2	08/18/05 14:16			0.05		5.15	0
3	08/23/05 10:00			0.08		9.97	0.14
4	08/28/05 13:28			0.13		15.12	0.37
5	09/02/05 16:11			0.16		20.23	0.5
6	09/13/05 09:15			0.18		30.94	0.59



7	09/21/05 11:17			0.2		39.03	0.69
8	10/12/05 14:52			0.22		60.18	0.78
9	11/10/05 10:10			0.23		88.98	0.82
10	12/08/05 13:57	0.14	0.05	0.23	0.37	117.14	0.82

Total BOD mg/L	Initials	Remarks
0		
0.56		
0.94		
1.14		
1.62		
1.78		
2.02		
2.15		
2.37		
2.68		
3.02		
3.31		
3.43		
3.67		
3.93		
3.93		
4.06		
4.32		
4.47		
4.64		
4.81		
4.76		
4.91		
5.06		
5.26		
5.59		
5.76		
5.98		
6.14		
5.8		
6.39		
6.45		
6.81		

**Initials**      **Remarks**

**DO/BOD Data - TT327.7**

Data No.	Date-Time	Temp °C	DO mg/L	Reaer yes/no	DOr mg/L	Elapsed Time days	Total DO mg/L
1	08/13/05 10:24	20.62	8.71	No		0	8.71
2	08/14/05 15:10	19.77	8.08	No		1.2	8.08
3	08/15/05 15:00	20.2	7.57	No		2.19	7.57
4	08/16/05 15:19	20.39	7.18	No		3.2	7.18
5	08/17/05 16:16	20.31	6.66	No		4.24	6.66
6	08/18/05 14:10	19.87	6.48	No		5.16	6.48
7	08/19/05 14:13	20.13	6.17	No		6.16	6.17
8	08/20/05 14:42	20.11	6.03	No		7.18	6.03
9	08/21/05 14:21	20.04	5.82	No		8.16	5.82
10	08/23/05 10:02	20	5.58	No		9.98	5.58
11	08/25/05 14:39	20.27	5.2	No		12.18	5.2
12	08/27/05 14:37	19.77	4.83	No		14.18	4.83
13	08/28/05 13:22	19.7	4.71	No		15.12	4.71
14	08/30/05 16:00	19.93	4.48	No		17.23	4.48
15	09/02/05 16:02	20.25	4.16	No		20.23	4.16
16	09/04/05 15:33	19.94	4.12	No		22.21	4.12
17	09/06/05 11:24	20.23	4	No		24.04	4
18	09/09/05 11:04	20.12	3.73	No		27.03	3.73
19	09/13/05 12:56	20.38	3.45	No		31.11	3.45
20	09/16/05 15:53	19.88	3.32	No		34.23	3.32
21	09/21/05 10:40	20.42	3.11	Yes	8.12	39.01	3.11
22	09/23/05 11:03	20.03	8.17	No		41.03	3.16
23	09/28/05 10:12	20.16	7.98	No		45.99	2.97
24	10/04/05 12:52	20.07	7.79	No		52.1	2.78
25	10/12/05 14:49	20.47	7.49	No		60.18	2.48
26	10/18/05 13:49	20.18	7.42	No		66.14	2.41
27	10/25/05 09:29	20.69	7.22	No		72.96	2.21
28	11/01/05 14:35	20.36	7.18	No		80.17	2.17
29	11/10/05 10:27	20.11	7.07	No		89	2.06
30	11/16/05 13:28	20	6.92	No		95.13	1.91
31	11/23/05 13:52	20.13	6.87	No		102.14	1.86
32	11/30/05 14:27	20.18	6.82	No		109.17	1.81
33	12/09/05 14:15	20.27	6.46	No		118.16	1.45

**Nitrogen Data**

Data No.	Date-time	TKN mg/L as N	NH3 mg/L as N	NO3 mg/L as N	Total Nitrogen mg/L as N	Elapsed Time days	Nitrogenous BOD, mg/L
1	08/13/05 10:24	0.38	0.05	0.05	0.43	0	0
2	08/18/05 14:10			0.05		5.16	0
3	08/23/05 10:02			0.05		9.98	0
4	08/28/05 13:22			0.088		15.12	0.17
5	09/02/05 16:02			0.13		20.23	0.37
6	09/13/05 12:56			0.16		31.11	0.5

7	09/21/05 10:40			0.18		39.01	0.59
8	10/12/05 14:49			0.21		60.18	0.73
9	11/10/05 10:27			0.22		89	0.78
10	12/09/05 14:15	0.11	0.05	0.23	0.34	118.16	0.82

Total BOD mg/L	Initials	Remarks
0		
0.63		
1.14		
1.53		
2.05		
2.23		
2.54		
2.68		
2.89		
3.13		
3.51		
3.88		
4		
4.23		
4.55		
4.59		
4.71		
4.98		
5.26		
5.39		
5.6		
5.55		
5.74		
5.93		
6.23		
6.3		
6.5		
6.54		
6.65		
6.8		
6.85		
6.9		
7.26		

**Initials**      **Remarks**

**DO/BOD Data - TT324.4**

Data No.	Date-Time	Temp °C	DO mg/L	Reaer yes/no	DOr mg/L	Elapsed Time days	Total DO mg/L
1	08/13/05 09:56	20.8	8.54	No		0	8.54
2	08/14/05 14:13	19.79	8.1	No		1.18	8.1
3	08/15/05 14:32	20.21	7.1	No		2.19	7.1
4	08/16/05 15:00	20.31	6.53	No		3.21	6.53
5	08/17/05 16:01	20.26	5.97	No		4.25	5.97
6	08/18/05 13:53	19.95	5.72	No		5.16	5.72
7	08/19/05 13:58	20.11	5.39	No		6.17	5.39
8	08/20/05 14:20	20.15	5.16	No		7.18	5.16
9	08/21/05 13:46	20.05	4.88	No		8.16	4.88
10	08/23/05 10:30	19.83	4.46	No		10.02	4.46
11	08/25/05 14:27	20.18	3.84	No		12.19	3.84
12	08/27/05 14:25	19.78	3.44	No		14.19	3.44
13	08/28/05 13:04	19.7	3.29	Yes	8.06	15.13	3.29
14	08/30/05 15:49	19.92	7.69	No		17.25	2.92
15	09/02/05 15:20	20.03	7.41	No		20.23	2.64
16	09/04/05 15:13	19.76	7.37	No		22.22	2.6
17	09/06/05 10:59	20.05	7.26	No		24.04	2.49
18	09/09/05 10:42	20.1	6.87	No		27.03	2.1
19	09/13/05 11:19	20.3	6.58	No		31.06	1.81
20	09/16/05 15:41	19.8	6.41	No		34.24	1.64
21	09/21/05 10:20	20.42	6.14	No		39.02	1.37
22	09/23/05 10:58	20.11	6.18	No		41.04	1.41
23	09/28/05 10:01	20.1	6.02	No		46	1.25
24	10/04/05 11:12	20.11	5.77	No		52.05	1
25	10/12/05 14:18	20.11	5.53	No		60.18	0.76
26	10/18/05 13:38	20.18	5.37	No		66.15	0.6
27	10/25/05 09:47	20.36	5.16	No		72.99	0.39
28	11/01/05 14:08	20.34	4.99	No		80.18	0.22
29	11/10/05 10:11	20.05	4.82	No		89.01	0.05
30	11/16/05 14:00	20.12	4.68	No		95.17	-0.09
31	11/23/05 13:22	20.22	4.59	No		102.14	-0.18
32	11/30/05 13:48	20.1	4.51	No		109.16	-0.26
33	12/09/05 11:03	20.15	4.24	No		118.05	-0.53

**Nitrogen Data**

Data No.	Date-time	TKN mg/L as N	NH3 mg/L as N	NO3 mg/L as N	Total Nitrogen mg/L as N	Elapsed Time days	Nitrogenous BOD, mg/L
1	08/13/05 09:56	0.51	0.05	0.05	0.56	0	0
2	08/18/05 13:53			0.05		5.16	0
3	08/23/05 10:30			0.099		10.02	0.22
4	08/28/05 13:28			0.21		15.15	0.73
5	09/02/05 15:20			0.24		20.23	0.87
6	09/13/05 11:19			0.27		31.06	1.01

7	09/21/05 10:20			0.29		39.02	1.1
8	10/12/05 14:18			0.31		60.18	1.19
9	11/10/05 10:11			0.32		89.01	1.23
10	12/09/05 11:03	0.17	0.05	0.32	0.49	118.05	1.23

Total BOD mg/L	Initials	Remarks
0		
0.44		
1.44		
2.01		
2.57		
2.82		
3.15		
3.38		
3.66		
4.08		
4.7		
5.1		
5.25		
5.62		
5.9		
5.94		
6.05		
6.44		
6.73		
6.9		
7.17		
7.13		
7.29		
7.54		
7.78		
7.94		
8.15		
8.32		
8.49		
8.63		
8.72		
8.8		
9.07		

**Initials**      **Remarks**



**DO/BOD Data - TT319.6**

Data No.	Date-Time	Temp °C	DO mg/L	Reaer yes/no	DOr mg/L	Elapsed Time days	Total DO mg/L
1	08/13/05 09:39	20.21	8.1	No		0	8.1
2	08/14/05 15:00	19.71	7.38	No		1.22	7.38
3	08/15/05 14:40	20.23	6.84	No		2.21	6.84
4	08/16/05 15:17	20.18	6.43	No		3.23	6.43
5	08/17/05 16:08	20.35	5.86	No		4.27	5.86
6	08/18/05 14:10	19.92	5.67	No		5.19	5.67
7	08/19/05 14:05	20.11	5.37	No		6.18	5.37
8	08/20/05 14:32	20.1	5.18	No		7.2	5.18
9	08/21/05 13:57	19.98	4.91	No		8.18	4.91
10	08/23/05 10:18	19.95	4.46	No		10.03	4.46
11	08/25/05 14:25	20.43	3.99	No		12.2	3.99
12	08/27/05 14:33	19.77	3.71	No		14.2	3.71
13	08/28/05 13:17	19.67	3.58	No		15.15	3.58
14	08/30/05 16:05	19.97	3.37	No		17.27	3.37
15	09/02/05 15:55	20.1	3.13	No		20.26	3.13
16	09/04/05 15:25	19.9	3.09	Yes	7.99	22.24	3.09
17	09/06/05 11:20	20	7.9	No		24.07	3
18	09/09/05 10:55	20.03	7.5	No		27.05	2.6
19	09/13/05 13:01	20.44	7.22	No		31.14	2.32
20	09/16/05 15:56	20	6.95	No		34.26	2.05
21	09/21/05 10:54	20.39	6.78	No		39.05	1.88
22	09/23/05 11:08	20.06	6.84	No		41.06	1.94
23	09/28/05 10:09	20.19	6.62	No		46.02	1.72
24	10/04/05 12:48	20.06	6.41	No		52.13	1.51
25	10/12/05 15:05	20.32	6.19	No		60.23	1.29
26	10/18/05 13:54	20.32	5.99	No		66.18	1.09
27	10/25/05 09:41	20.47	5.83	No		73	0.93
28	11/01/05 14:31	20.39	5.67	No		80.2	0.77
29	11/10/05 10:18	20	5.51	No		89.03	0.61
30	11/16/05 13:20	19.97	5.34	No		95.15	0.44
31	11/23/05 13:48	20.08	5.25	No		102.17	0.35
32	11/30/05 14:15	20.13	5.16	No		109.19	0.26
33	12/09/05 14:05	20.21	4.87	No		118.18	-0.03

**Nitrogen Data**

Data No.	Date-time	TKN mg/L as N	NH3 mg/L as N	NO3 mg/L as N	Total Nitrogen mg/L as N	Elapsed Time days	Nitrogenous BOD, mg/L
1	08/13/05 09:39	0.27	0.05	0.05	0.32	0	0
2	08/18/05 14:10			0.05		5.19	0
3	08/23/05 10:18			0.11		10.03	0.27
4	08/28/05 13:17			0.19		15.15	0.64
5	09/02/05 15:55			0.22		20.26	0.78
6	09/13/05 13:01			0.24		31.14	0.87

7	09/21/05 10:54			0.26		39.05	0.96
8	10/12/05 15:05			0.29		60.23	1.1
9	11/10/05 10:18			0.3		89.03	1.14
10	12/09/05 14:05	0.14	0.05	0.3	0.44	118.18	1.14

Total BOD mg/L	Initials	Remarks
0		
0.72		
1.26		
1.67		
2.24		
2.43		
2.73		
2.92		
3.19		
3.64		
4.11		
4.39		
4.52		
4.73		
4.97		
5.01		
5.1		
5.5		
5.78		
6.05		
6.22		
6.16		
6.38		
6.59		
6.81		
7.01		
7.17		
7.33		
7.49		
7.66		
7.75		
7.84		
8.13		

**Initials**      **Remarks**

**DO/BOD Data - TT314.7**

Data No.	Date-Time	Temp °C	DO mg/L	Reaer yes/no	DOr mg/L	Elapsed Time days	Total DO mg/L
1	08/13/05 09:30	20.24	7.71	No		0	7.71
2	08/14/05 13:57	19.78	7.58	No		1.19	7.58
3	08/15/05 14:06	20.25	6.99	No		2.19	6.99
4	08/16/05 14:36	20.36	6.77	No		3.21	6.77
5	08/17/05 15:50	20.16	6.46	No		4.26	6.46
6	08/18/05 13:26	20.1	6.28	No		5.16	6.28
7	08/19/05 13:32	20.1	6.07	No		6.17	6.07
8	08/20/05 13:43	20.15	5.92	No		7.18	5.92
9	08/21/05 13:28	20	5.73	No		8.17	5.73
10	08/23/05 11:11	19.76	5.5	No		10.07	5.5
11	08/25/05 08:16	20.23	5.08	No		11.95	5.08
12	08/27/05 12:57	19.8	4.76	No		14.14	4.76
13	08/28/05 12:32	19.65	4.63	No		15.13	4.63
14	08/30/05 15:11	19.98	4.4	No		17.24	4.4
15	09/02/05 14:33	19.94	4.16	No		20.21	4.16
16	09/04/05 14:46	19.83	4.08	No		22.22	4.08
17	09/06/05 09:49	20.25	3.94	No		24.01	3.94
18	09/09/05 10:16	20.1	3.67	No		27.03	3.67
19	09/13/05 08:57	20.27	3.44	No		30.98	3.44
20	09/16/05 15:18	20	3.28	No		34.24	3.28
21	09/21/05 09:15	20.17	3.05	Yes	8.26	38.99	3.05
22	09/23/05 10:36	20.02	8.23	No		41.05	3.02
23	09/28/05 09:20	20.23	7.98	No		45.99	2.77
24	10/04/05 10:48	20.13	7.72	No		52.05	2.51
25	10/12/05 13:50	20.04	7.49	No		60.18	2.28
26	10/18/05 13:13	20.45	7.26	No		66.15	2.05
27	10/25/05 10:45	20.36	7.08	No		73.05	1.87
28	11/01/05 13:47	20.24	6.93	No		80.18	1.72
29	11/10/05 09:44	20.06	6.72	No		89.01	1.51
30	11/16/05 14:15	20.03	6.5	No		95.2	1.29
31	11/23/05 13:04	20.14	6.44	No		102.15	1.23
32	11/30/05 11:00	20.21	6.31	No		109.06	1.1
33	12/09/05 10:53	20.21	6.09	No		118.06	0.88

**Nitrogen Data**

Data No.	Date-time	TKN mg/L as N	NH3 mg/L as N	NO3 mg/L as N	Total Nitrogen mg/L as N	Elapsed Time days	Nitrogenous BOD, mg/L
1	08/13/05 09:30	0.26	0.05	0.05	0.31	0	0
2	08/18/05 13:26			0.05		5.16	0
3	08/23/05 11:11			0.054		10.07	0.02
4	08/28/05 12:32			0.13		15.13	0.37
5	09/02/05 14:33			0.14		20.21	0.41
6	09/13/05 08:57			0.16		30.98	0.5

7	09/21/05 09:15			0.18		38.99	0.59
8	10/12/05 13:50			0.2		60.18	0.69
9	11/10/05 09:44			0.22		89.01	0.78
10	12/09/05 10:53	0.15	0.05	0.22	0.37	118.06	0.78

Total BOD mg/L	Initials	Remarks
0		
0.13		
0.72		
0.94		
1.25		
1.43		
1.64		
1.79		
1.98		
2.21		
2.63		
2.95		
3.08		
3.31		
3.55		
3.63		
3.77		
4.04		
4.27		
4.43		
4.66		
4.69		
4.94		
5.2		
5.43		
5.66		
5.84		
5.99		
6.2		
6.42		
6.48		
6.61		
6.83		

**Initials**      **Remarks**

**DO/BOD Data - TT310.0**

Data No.	Date-Time	Temp °C	DO mg/L	Reaer yes/no	DOr mg/L	Elapsed Time days	Total DO mg/L
1	08/13/05 09:49	20.6	8.28	No		0	8.28
2	08/14/05 14:55	19.68	7.91	No		1.21	7.91
3	08/15/05 14:44	20.17	7.58	No		2.2	7.58
4	08/16/05 15:12	20.32	7.39	No		3.22	7.39
5	08/17/05 16:11	20.33	7.06	No		4.27	7.06
6	08/18/05 14:05	19.88	6.91	No		5.18	6.91
7	08/19/05 14:03	20.05	6.67	No		6.18	6.67
8	08/20/05 14:34	20.11	6.53	No		7.2	6.53
9	08/21/05 13:59	19.99	6.29	No		8.17	6.29
10	08/23/05 10:15	19.92	6.01	No		10.02	6.01
11	08/25/05 14:43	20.21	5.76	No		12.2	5.76
12	08/27/05 14:45	19.81	5.49	No		14.21	5.49
13	08/28/05 13:31	19.71	5.39	No		15.15	5.39
14	08/30/05 16:29	19.96	5.19	No		17.28	5.19
15	09/02/05 16:08	20.08	4.98	No		20.26	4.98
16	09/04/05 15:38	19.81	4.98	No		22.24	4.98
17	09/06/05 20:24	20.24	4.88	No		24.44	4.88
18	09/09/05 11:14	20.07	4.65	No		27.06	4.65
19	09/13/05 09:12	20.33	4.44	No		30.97	4.44
20	09/16/05 16:04	20.09	4.23	No		34.26	4.23
21	09/21/05 11:14	20.33	4.08	No		39.06	4.08
22	09/23/05 11:15	20.06	4.12	No		41.06	4.12
23	09/28/05 10:17	20.29	3.94	No		46.02	3.94
24	10/04/05 12:54	20.1	3.77	No		52.13	3.77
25	10/12/05 15:11	20.05	3.55	No		60.22	3.55
26	10/18/05 14:01	20.1	3.41	No		66.18	3.41
27	10/25/05 09:28	20.45	3.2	No		72.99	3.2
28	11/01/05 14:46	20.24	3.08	No		80.21	3.08
29	11/10/05 10:34	20.14	2.84	Yes	8.54	89.03	2.84
30	11/16/05 13:34	20.04	8.27	No		95.16	2.57
31	11/23/05 13:55	20.16	8.18	No		102.17	2.48
32	11/30/05 14:22	20.19	8.08	No		109.19	2.38
33	12/09/05 14:11	20.21	7.72	No		118.18	2.02

**Nitrogen Data**

Data No.	Date-time	TKN mg/L as N	NH3 mg/L as N	NO3 mg/L as N	Total Nitrogen mg/L as N	Elapsed Time days	Nitrogenous BOD, mg/L
1	08/13/05 09:49	0.51	0.05	0.05	0.56	0	0
2	08/18/05 14:05			0.05		5.18	0
3	08/23/05 10:15			0.098		10.02	0.22
4	08/28/05 13:31			0.15		15.15	0.46
5	09/02/05 16:08			0.17		20.26	0.55
6	09/13/05 09:12			0.19		30.97	0.64

7	09/21/05 11:14			0.2		39.06	0.69
8	10/12/05 15:11			0.22		60.22	0.78
9	11/10/05 10:34			0.24		89.03	0.87
10	12/09/05 14:11	0.16	0.05	0.24	0.4	118.18	0.87



Total BOD mg/L	Initials	Remarks
0		
0.37		
0.7		
0.89		
1.22		
1.37		
1.61		
1.75		
1.99		
2.27		
2.52		
2.79		
2.89		
3.09		
3.3		
3.3		
3.4		
3.63		
3.84		
4.05		
4.2		
4.16		
4.34		
4.51		
4.73		
4.87		
5.08		
5.2		
5.44		
5.71		
5.8		
5.9		
6.26		

**Initials**      **Remarks**

**DO/BOD Data - TT307.3**

Data No.	Date-Time	Temp °C	DO mg/L	Reaer yes/no	DOr mg/L	Elapsed Time days	Total DO mg/L
1	08/13/05 10:30	20.45	8.69	No		0	8.69
2	08/14/05 15:12	19.77	7.93	No		1.2	7.93
3	08/15/05 14:58	20.2	7.44	No		2.19	7.44
4	08/16/05 15:22	20.2	7.02	No		3.2	7.02
5	08/17/05 16:19	20.28	6.44	No		4.24	6.44
6	08/18/05 14:15	19.96	6.21	No		5.16	6.21
7	08/19/05 14:14	20.21	5.87	No		6.16	5.87
8	08/20/05 14:40	20.15	5.7	No		7.17	5.7
9	08/21/05 14:19	20.12	5.46	No		8.16	5.46
10	08/23/05 10:08	19.94	5.11	No		9.98	5.11
11	08/25/05 14:37	20.14	4.63	No		12.17	4.63
12	08/27/05 14:35	19.79	4.35	No		14.17	4.35
13	08/28/05 13:20	19.7	4.21	No		15.12	4.21
14	08/30/05 16:03	19.96	3.89	No		17.23	3.89
15	09/02/05 15:59	20.15	3.56	No		20.23	3.56
16	09/04/05 15:31	19.9	3.49	No		22.21	3.49
17	09/06/05 11:23	20.03	3.38	No		24.04	3.38
18	09/09/05 10:58	20.05	3.09	Yes	8.35	27.02	3.09
19	09/13/05 12:58	20.28	8.03	No		31.1	2.77
20	09/16/05 15:54	20.02	7.7	No		34.23	2.44
21	09/21/05 10:51	20.64	7.5	No		39.01	2.24
22	09/23/05 11:05	20.11	7.57	No		41.02	2.31
23	09/28/05 10:11	20.19	7.36	No		45.99	2.1
24	10/04/05 12:49	20.04	7.16	No		52.1	1.9
25	10/12/05 15:02	20.2	6.95	No		60.19	1.69
26	10/18/05 13:52	20.22	6.69	No		66.14	1.43
27	10/25/05 09:38	20.67	6.44	No		72.96	1.18
28	11/01/05 14:32	20.24	6.31	No		80.17	1.05
29	11/10/05 10:21	20.11	6.07	No		88.99	0.81
30	11/16/05 13:28	19.96	5.92	No		95.12	0.66
31	11/23/05 13:49	20.07	5.81	No		102.14	0.55
32	11/30/05 14:24	20.21	5.68	No		109.16	0.42
33	12/09/05 14:00	20.14	5.39	No		118.15	0.13

**Nitrogen Data**

Data No.	Date-time	TKN mg/L as N	NH3 mg/L as N	NO3 mg/L as N	Total Nitrogen mg/L as N	Elapsed Time days	Nitrogenous BOD, mg/L
1	08/13/05 10:30	0.36	0.05	0.05	0.41	0	0
2	08/18/05 14:15			0.05		5.16	0
3	08/23/05 10:08			0.05		9.98	0
4	08/28/05 13:20			0.12		15.12	0.32
5	09/02/05 15:59			0.17		20.23	0.55
6	09/13/05 12:58			0.21		31.1	0.73

7	09/21/05 10:51			0.23		39.01	0.82
8	10/12/05 15:02			0.25		60.19	0.91
9	11/10/05 10:21			0.26		88.99	0.96
10	12/09/05 14:00	0.16	0.05	0.27	0.43	118.15	1.01

Total BOD mg/L	Initials	Remarks
0		
0.76		
1.25		
1.67		
2.25		
2.48		
2.82		
2.99		
3.23		
3.58		
4.06		
4.34		
4.48		
4.8		
5.13		
5.2		
5.31		
5.6		
5.92		
6.25		
6.45		
6.38		
6.59		
6.79		
7		
7.26		
7.51		
7.64		
7.88		
8.03		
8.14		
8.27		
8.56		

**Initials**      **Remarks**

**DO/BOD Data - TT304.5**

Data No.	Date-Time	Temp °C	DO mg/L	Reaer yes/no	DOr mg/L	Elapsed Time days	Total DO mg/L
1	08/13/05 09:23	20.76	8.39	No		0	8.39
2	08/14/05 13:55	19.79	8.33	No		1.19	8.33
3	08/15/05 14:05	20.2	7.74	No		2.2	7.74
4	08/16/05 14:38	20.31	7.57	No		3.22	7.57
5	08/17/05 15:52	20.25	7.24	No		4.27	7.24
6	08/18/05 13:28	20.05	7.11	No		5.17	7.11
7	08/19/05 13:30	20.04	6.91	No		6.17	6.91
8	08/20/05 13:45	20.11	6.72	No		7.18	6.72
9	08/21/05 13:26	20.02	6.5	No		8.17	6.5
10	08/23/05 11:14	19.77	6.37	No		10.08	6.37
11	08/25/05 08:14	20.28	6.07	No		11.95	6.07
12	08/27/05 12:58	19.8	5.82	No		14.15	5.82
13	08/28/05 12:35	19.68	5.71	No		15.13	5.71
14	08/30/05 15:14	20.02	5.51	No		17.24	5.51
15	09/02/05 14:29	19.98	5.36	No		20.21	5.36
16	09/04/05 14:44	19.81	5.31	No		22.22	5.31
17	09/06/05 09:46	20.19	5.19	No		24.02	5.19
18	09/09/05 10:11	20.07	4.97	No		27.03	4.97
19	09/13/05 08:53	20.37	4.79	No		30.98	4.79
20	09/16/05 15:16	19.86	4.68	No		34.25	4.68
21	09/21/05 09:11	20.31	4.49	No		38.99	4.49
22	09/23/05 10:34	20.01	4.48	No		41.05	4.48
23	09/28/05 09:22	20.2	4.32	No		46	4.32
24	10/09/05 10:45	20.15	4.1	No		57.06	4.1
25	10/12/05 13:47	20.14	3.89	No		60.18	3.89
26	10/18/05 13:11	20.24	3.76	No		66.16	3.76
27	10/25/05 10:48	20.41	3.56	No		73.06	3.56
28	11/01/05 13:45	20.29	3.39	No		80.18	3.39
29	11/10/05 09:47	20.07	3.19	No		89.02	3.19
30	11/16/05 14:11	20.03	3.06	No		95.2	3.06
31	11/23/05 13:09	20.2	2.95	No		102.16	2.95
32	11/30/05 11:16	20.31	2.81	Yes	8.46	109.08	2.81
33	12/09/05 10:44	20.16	8.11	No		118.06	2.46

**Nitrogen Data**

Data No.	Date-time	TKN mg/L as N	NH3 mg/L as N	NO3 mg/L as N	Total Nitrogen mg/L as N	Elapsed Time days	Nitrogenous BOD, mg/L
1	08/13/05 09:23	0.34	0.055	0.05	0.39	0	0
2	08/18/05 13:28			0.052		5.17	0.01
3	08/23/05 11:14			0.12		10.08	0.32
4	08/28/05 12:35			0.17		15.13	0.55
5	09/02/05 14:29			0.19		20.21	0.64
6	09/13/05 08:53			0.2		30.98	0.69

7	09/21/05 09:11			0.22		38.99	0.78
8	10/12/05 13:47			0.23		60.18	0.82
9	11/10/05 09:47			0.24		89.02	0.87
10	12/09/05 10:44	0.14	0.05	0.24	0.38	118.06	0.87

Total BOD mg/L	Initials	Remarks
0		
0.06		
0.65		
0.82		
1.15		
1.28		
1.48		
1.67		
1.89		
2.02		
2.32		
2.57		
2.68		
2.88		
3.03		
3.08		
3.2		
3.42		
3.6		
3.71		
3.9		
3.91		
4.07		
4.29		
4.5		
4.63		
4.83		
5		
5.2		
5.33		
5.44		
5.58		
5.93		

**Initials**      **Remarks**

### DO/BOD Data - TR3.8

Data No.	Date-Time	Temp °C	DO mg/L	Reaer yes/no	DOr mg/L	Elapsed Time days	Total DO mg/L
1	08/13/05 08:55	20.06	8.64	No		0	8.64
2	08/14/05 14:02	19.77	7.97	No		1.21	7.97
3	08/15/05 14:20	20.23	6.88	No		2.23	6.88
4	08/16/05 14:48	20.25	6.29	No		3.25	6.29
5	08/17/05 15:55	20.28	5.7	No		4.29	5.7
6	08/18/05 13:45	20.05	5.39	No		5.2	5.39
7	08/19/05 13:45	20.08	5.06	No		6.2	5.06
8	08/20/05 14:12	20.11	4.76	No		7.22	4.76
9	08/21/05 13:38	19.99	4.39	No		8.2	4.39
10	08/23/05 10:55	19.8	3.75	Yes	8.44	10.08	3.75
11	08/25/05 14:20	20.3	7.56	No		12.23	2.87
12	08/27/05 14:19	19.71	7.22	No		14.23	2.53
13	08/30/05 15:54	19.93	6.5	No		17.29	1.81
14	09/02/05 15:09	19.98	6.2	No		20.26	1.51
15	09/04/05 15:17	19.94	6.07	No		22.27	1.38
16	09/06/05 11:12	20.13	5.96	No		24.1	1.27
17	09/09/05 10:46	20.29	5.49	No		27.08	0.8
18	09/13/05 11:27	20.48	5.12	No		31.11	0.43
19	09/16/05 15:46	20.03	4.86	No		34.29	0.17
20	09/21/05 10:28	20.47	4.56	No		39.06	-0.13
21	09/23/05 10:53	20.09	4.54	No		41.08	-0.15
22	09/28/05 09:52	20.46	4.26	No		46.04	-0.43
23	10/04/05 11:20	20.11	3.98	No		52.1	-0.71
24	10/12/05 14:35	20.21	3.65	No		60.24	-1.04
25	10/18/05 13:44	20.24	3.46	No		66.2	-1.23
26	10/25/05 10:03	20.4	3.22	No		73.05	-1.47
27	11/01/05 14:13	20.18	3.05	No		80.22	-1.64
28	11/10/05 10:04	20.03	2.81	No		89.05	-1.88
29	11/16/05 13:52	20.09	2.69	No		95.21	-2
30	11/23/05 13:36	20.07	2.57	Yes	8.44	102.2	-2.12
31	11/30/05 14:03	20.1	8.3	No		109.21	-2.26
32	12/09/05 13:46	20.11	7.89	No		118.2	-2.67

### Nitrogen Data

Data No.	Date-time	TKN mg/L as N	NH3 mg/L as N	NO3 mg/L as N	Total Nitrogen mg/L as N	Elapsed Time days	Nitrogenous BOD, mg/L
1	08/13/05 08:55	0.96	0.05	0.05	1.01	0	0
2	08/18/05 13:45			0.05		5.2	0
3	08/23/05 10:55			0.096		10.08	0.21
4	08/28/05 12:56			0.22		15.17	0.78
5	09/02/05 15:09			0.29		20.26	1.1
6	09/13/05 11:27			0.34		31.11	1.33
7	09/21/05 10:28			0.37		39.06	1.46



8	10/12/05 14:35			0.41		60.24	1.65
9	11/10/05 10:04			0.42		89.05	1.69
10	12/09/05 13:46	0.25	0.05	0.44	0.69	118.2	1.78

Total BOD mg/L	Initials	Remarks
0		
0.67		
1.76		
2.35		
2.94		
3.25		
3.58		
3.88		
4.25		
4.89		
5.77		
6.11		
6.83		
7.13		
7.26		
7.37		
7.84		
8.21		
8.47		
8.77		
8.79		
9.07		
9.35		
9.68		
9.87		
10.11		
10.28		
10.52		
10.64		
10.76		
10.9		
11.31		

**Initials**      **Remarks**

### DO/BOD Data - TR1.3

Data No.	Date-Time	Temp °C	DO mg/L	Reaer yes/no	DOr mg/L	Elapsed Time days	Total DO mg/L
1	08/13/05 08:48	19.76	8.35	No		0	8.35
2	08/14/05 14:00	19.78	7.83	No		1.22	7.83
3	08/15/05 14:21	20.21	6.88	No		2.23	6.88
4	08/16/05 14:46	20.29	6.43	No		3.25	6.43
5	08/17/05 15:54	20.36	5.9	No		4.3	5.9
6	08/18/05 13:47	20	5.7	No		5.21	5.7
7	08/19/05 13:44	20.04	5.45	No		6.21	5.45
8	08/20/05 14:14	20.16	5.24	No		7.23	5.24
9	08/21/05 13:40	20	4.98	No		8.2	4.98
10	08/23/05 11:01	19.8	4.54	No		10.09	4.54
11	08/25/05 08:18	20.11	3.99	No		11.98	3.99
12	08/27/05 12:55	19.81	3.62	No		14.17	3.62
13	08/28/05 12:29	19.68	3.48	No		15.15	3.48
14	08/30/05 14:55	19.95	3.1	Yes	8.25	17.25	3.1
15	09/02/05 14:38	19.99	7.86	No		20.24	2.71
16	09/04/05 14:48	19.84	7.69	No		22.25	2.54
17	09/06/05 09:52	20.23	7.52	No		24.04	2.37
18	09/09/05 10:19	20.19	7.1	No		27.06	1.95
19	09/13/05 09:01	20.33	6.82	No		31.01	1.67
20	09/16/05 15:21	19.94	6.53	No		34.27	1.38
21	09/21/05 09:26	20.23	6.22	No		39.03	1.07
22	09/23/05 10:38	20.03	6.18	No		41.08	1.03
23	09/28/05 09:18	20.12	5.92	No		46.02	0.77
24	10/04/05 10:50	20.13	5.57	No		52.08	0.42
25	10/12/05 13:57	20.14	5.21	No		60.21	0.06
26	10/18/05 13:16	20.25	4.96	No		66.19	-0.19
27	10/25/05 10:41	20.29	4.69	No		73.08	-0.46
28	11/01/05 13:49	20.34	4.45	No		80.21	-0.7
29	11/10/05 09:41	20.04	4.17	No		89.04	-0.98
30	11/16/05 14:20	20.32	3.92	No		95.23	-1.23
31	11/23/05 13:20	20.23	3.83	No		102.19	-1.32
32	11/30/05 13:51	20.1	3.7	No		109.21	-1.45
33	12/09/05 11:06	20.16	3.45	No		118.1	-1.7

### Nitrogen Data

Data No.	Date-time	TKN mg/L as N	NH3 mg/L as N	NO3 mg/L as N	Total Nitrogen mg/L as N	Elapsed Time days	Nitrogenous BOD, mg/L
1	08/13/05 08:48	0.57	0.05	0.05	0.62	0	0
2	08/18/05 13:47			0.05		5.21	0
3	08/23/05 11:01			0.062		10.09	0.05
4	08/28/05 12:29			0.17		15.15	0.55
5	09/02/05 14:38			0.23		20.24	0.82
6	09/13/05 09:01			0.26		31.01	0.96

7	09/21/05 09:26			0.29		39.03	1.1
8	10/12/05 13:57			0.32		60.21	1.23
9	11/10/05 09:41			0.33		89.04	1.28
10	12/09/05 11:06	0.22	0.05	0.34	0.56	118.1	1.33

Total BOD mg/L	Initials	Remarks
0		
0.52		
1.47		
1.92		
2.45		
2.65		
2.9		
3.11		
3.37		
3.81		
4.36		
4.73		
4.87		
5.25		
5.64		
5.81		
5.98		
6.4		
6.68		
6.97		
7.28		
7.32		
7.58		
7.93		
8.29		
8.54		
8.81		
9.05		
9.33		
9.58		
9.67		
9.8		
10.05		

**Initials**      **Remarks**

**DO/BOD Data - TTFA0.3**

Data No.	Date-Time	Temp °C	DO mg/L	Reaer yes/no	DOr mg/L	Elapsed Time days	Total DO mg/L
1	08/13/05 10:09	20.51	8.64	No		0	8.64
2	08/14/05 14:19	19.84	8.33	No		1.17	8.33
3	08/15/05 14:28	20.22	7.59	No		2.18	7.59
4	08/16/05 14:57	20.36	7.3	No		3.2	7.3
5	08/17/05 16:03	20.19	6.85	No		4.25	6.85
6	08/18/05 13:57	19.97	6.66	No		5.16	6.66
7	08/19/05 13:49	20.06	6.43	No		6.15	6.43
8	08/20/05 14:24	20.12	6.29	No		7.18	6.29
9	08/21/05 13:50	20	6.06	No		8.15	6.06
10	08/23/05 10:40	19.86	5.77	No		10.02	5.77
11	08/25/05 14:30	20.22	5.37	No		12.18	5.37
12	08/27/05 14:22	19.79	5.07	No		14.18	5.07
13	08/28/05 12:59	19.72	4.94	No		15.12	4.94
14	08/30/05 15:33	19.94	4.7	No		17.23	4.7
15	09/02/05 15:13	19.98	4.47	No		20.21	4.47
16	09/04/05 15:16	19.91	4.41	No		22.21	4.41
17	09/06/05 11:03	20.12	4.32	No		24.04	4.32
18	09/09/05 10:45	20.18	4.03	No		27.03	4.03
19	09/13/05 11:24	20.4	3.8	No		31.05	3.8
20	09/16/05 15:45	19.99	3.67	No		34.23	3.67
21	09/21/05 10:26	20.39	3.5	No		39.01	3.5
22	09/23/05 10:55	20.07	3.5	No		41.03	3.5
23	09/28/05 09:54	20.22	3.27	No		45.99	3.27
24	10/04/05 11:17	20.05	3.03	No		52.05	3.03
25	10/12/05 14:24	20.11	2.77	Yes	8.58	60.18	2.77
26	10/18/05 13:42	20.15	8.3	No		66.15	2.49
27	10/25/05 10:01	20.4	8.06	No		72.99	2.25
28	11/01/05 14:11	20.35	7.91	No		80.17	2.1
29	11/10/05 10:07	20.03	7.77	No		89	1.96
30	11/16/05 13:55	20.04	7.56	No		95.16	1.75
31	11/23/05 13:33	20.07	7.53	No		102.14	1.72
32	11/30/05 14:00	20.1	7.42	No		109.16	1.61
33	12/09/05 13:51	20.14	7.12	No		118.15	1.31

**Nitrogen Data**

Data No.	Date-time	TKN mg/L as N	NH3 mg/L as N	NO3 mg/L as N	Total Nitrogen mg/L as N	Elapsed Time days	Nitrogenous BOD, mg/L
1	08/13/05 10:09	0.55	0.05	0.05	0.6	0	0
2	08/18/05 13:57			0.05		5.16	0
3	08/23/05 10:40			0.051		10.02	0
4	08/28/05 12:59			0.12		15.12	0.32
5	09/02/05 15:13			0.14		20.21	0.41
6	09/13/05 11:24			0.18		31.05	0.59

7	09/21/05 10:26			0.19		39.01	0.64
8	10/12/05 14:24			0.22		60.18	0.78
9	11/10/05 10:07			0.24		89	0.87
10	12/09/05 13:51	0.14	0.05	0.25	0.39	118.15	0.91

Total BOD mg/L	Initials	Remarks
0		
0.31		
1.05		
1.34		
1.79		
1.98		
2.21		
2.35		
2.58		
2.87		
3.27		
3.57		
3.7		
3.94		
4.17		
4.23		
4.32		
4.61		
4.84		
4.97		
5.14		
5.14		
5.37		
5.61		
5.87		
6.15		
6.39		
6.54		
6.68		
6.89		
6.92		
7.03		
7.33		

**Initials**      **Remarks**



## DO/BOD Data - LC0.2

Data No.	Date-Time	Temp °C	DO mg/L	Reaer yes/no	DOr mg/L	Elapsed Time days	Total DO mg/L
1	08/13/05 10:43	20.1	8.74	No		0	8.74
2	08/14/05 13:24	19.78	8.68	No		1.11	8.68
3	08/15/05 14:10	20.2	8.32	No		2.14	8.32
4	08/16/05 14:18	20.36	8.38	No		3.15	8.38
5	08/17/05 15:40	20.07	8.19	No		4.21	8.19
6	08/18/05 14:26	19.88	8.2	No		5.15	8.2
7	08/19/05 11:05	19.98	8.12	No		6.02	8.12
8	08/20/05 13:20	20.1	8.07	No		7.11	8.07
9	08/21/05 13:06	19.97	7.92	No		8.1	7.92
10	08/23/05 09:54	20.01	7.86	No		9.97	7.86
11	08/25/05 14:13	20.34	7.66	No		12.15	7.66
12	08/27/05 13:04	19.75	7.6	No		14.1	7.6
13	08/28/05 12:42	19.65	7.5	No		15.08	7.5
14	08/30/05 15:30	19.92	7.34	No		17.2	7.34
15	09/02/05 15:02	19.99	7.22	No		20.18	7.22
16	09/04/05 15:05	19.84	7.21	No		22.18	7.21
17	09/06/05 10:38	20.18	7.16	No		24	7.16
18	09/09/05 10:35	20.33	6.88	No		26.99	6.88
19	09/13/05 11:14	20.22	6.83	No		31.02	6.83
20	09/16/05 15:31	19.9	6.72	No		34.2	6.72
21	09/21/05 09:52	20.1	6.68	No		38.96	6.68
22	09/23/05 10:45	20.06	6.69	No		41	6.69
23	09/28/05 09:47	20.32	6.58	No		45.96	6.58
24	10/04/05 11:06	20.18	6.45	No		52.02	6.45
25	10/12/05 14:06	20.13	6.35	No		60.14	6.35
26	10/18/05 13:32	20.26	6.24	No		66.12	6.24
27	10/25/05 10:34	20.56	6.09	No		72.99	6.09
28	11/01/05 13:57	20.28	6.06	No		80.13	6.06
29	11/10/05 09:59	20.08	5.94	No		88.97	5.94
30	11/16/05 14:09	20.04	5.81	No		95.14	5.81
31	11/23/05 13:08	20.16	5.81	No		102.1	5.81
32	11/30/05 11:13	20.23	5.74	No		109.02	5.74
33	12/09/05 10:47	20.23	5.6	No		118	5.6

## Nitrogen Data

Data No.	Date-time	TKN mg/L as N	NH3 mg/L as N	NO3 mg/L as N	Total Nitrogen mg/L as N	Elapsed Time days	Nitrogenous BOD, mg/L
1	08/13/05 10:43	0.22	0.05	0.18	0.4	0	0
2	08/18/05 14:26			0.19		5.15	0.05
3	08/23/05 09:54			0.21		9.97	0.14
4	08/28/05 12:42			0.21		15.08	0.14
5	09/02/05 15:02			0.22		20.18	0.18
6	09/13/05 11:14			0.24		31.02	0.27

7	09/21/05 09:52			0.26		38.96	0.37
8	10/12/05 14:06			0.27		60.14	0.41
9	11/10/05 09:59			0.27		88.97	0.41
10	12/09/05 10:47	0.092	0.05	0.27	0.362	118	0.41

Total BOD mg/L	Initials	Remarks
0		
0.06	8.38	
0.42		
0.36		
0.55		
0.54		
0.62		
0.67		
0.82		
0.88		
1.08		
1.14		
1.24		
1.4		
1.52		
1.53		
1.58		
1.86		
1.91		
2.02		
2.06		
2.05		
2.16		
2.29		
2.39		
2.5		
2.65		
2.68		
2.8		
2.93		
2.93		
3		
3.14		

**Initials**      **Remarks**

**DO/BOD Data - JC315.8**

Data No.	Date-Time	Temp °C	DO mg/L	Reaer yes/no	DOr mg/L	Elapsed Time days	Total DO mg/L
1	08/13/05 10:03	20.51	8.23	No		0	8.23
2	08/14/05 14:15	19.79	7.66	No		1.18	7.66
3	08/15/05 14:30	20.21	6.62	No		2.19	6.62
4	08/16/05 14:59	20.3	6.07	No		3.21	6.07
5	08/17/05 16:02	20.21	5.41	No		4.25	5.41
6	08/18/05 13:55	19.97	5.1	No		5.16	5.1
7	08/19/05 13:56	20.05	4.76	No		6.16	4.76
8	08/20/05 14:22	20.15	4.47	No		7.18	4.47
9	08/21/05 13:48	20	4.15	No		8.16	4.15
10	08/23/05 10:33	19.88	3.61	Yes	8.62	10.02	3.61
11	08/25/05 14:29	20.29	7.92	No		12.18	2.91
12	08/27/05 14:23	19.78	7.43	No		14.18	2.42
13	08/28/05 13:02	19.67	7.24	No		15.12	2.23
14	08/30/05 15:51	19.92	6.88	No		17.24	1.87
15	09/02/05 15:16	20.02	6.51	No		20.22	1.5
16	09/04/05 15:14	19.88	6.36	No		22.22	1.35
17	09/06/05 11:00	20.25	6.16	No		24.04	1.15
18	09/09/05 10:43	20.14	5.77	No		27.03	0.76
19	09/13/05 11:22	20.26	5.45	No		31.05	0.44
20	09/16/05 15:43	19.97	5.19	No		34.24	0.18
21	09/21/05 10:24	20.35	4.96	No		39.01	-0.05
22	09/23/05 10:56	20.06	4.96	No		41.04	-0.05
23	09/28/05 09:57	20.18	4.75	No		46	-0.26
24	10/04/05 11:15	19.98	4.5	No		52.05	-0.51
25	10/12/05 14:22	20.04	4.19	No		60.18	-0.82
26	10/18/05 13:40	20.09	3.97	No		66.15	-1.04
27	10/25/05 09:49	20.41	3.67	No		72.99	-1.34
28	11/01/05 14:09	20.31	3.5	No		80.17	-1.51
29	11/10/05 10:08	20.05	3.27	No		89	-1.74
30	11/16/05 13:57	20.08	3.13	No		95.16	-1.88
31	11/23/05 13:24	20.15	2.98	Yes	8.43	102.14	-2.03
32	11/30/05 13:46	19.97	8.21	No		109.15	-2.25
33	12/09/05 10:59	20.11	7.76	No		118.04	-2.7

**Nitrogen Data**

Data No.	Date-time	TKN mg/L as N	NH3 mg/L as N	NO3 mg/L as N	Total Nitrogen mg/L as N	Elapsed Time days	Nitrogenous BOD, mg/L
1	08/13/05 10:03	0.93	0.05	0.05	0.98	0	0
2	08/18/05 13:55			0.05		5.16	0
3	08/23/05 10:33			0.079		10.02	0.13
4	08/28/05 13:02			0.19		15.12	0.64
5	09/02/05 15:16			0.21		20.22	0.73
6	09/13/05 11:22			0.26		31.05	0.96

7	09/21/05 10:24			0.28		39.01	1.05
8	10/12/05 14:22			0.31		60.18	1.19
9	11/10/05 10:08			0.32		89	1.23
10	12/09/05 10:59	0.26	0.05	0.34	0.6	118.04	1.33

Total BOD mg/L	Initials	Remarks
0		
0.57		
1.61		
2.16		
2.82		
3.13		
3.47		
3.76		
4.08		
4.62		
5.32		
5.81		
6		
6.36		
6.73		
6.88		
7.08		
7.47		
7.79		
8.05		
8.28		
8.28		
8.49		
8.74		
9.05		
9.27		
9.57		
9.74		
9.97		
10.11		
10.26		
10.48		
10.93		

**Initials**      **Remarks**

**DO/BOD Data - CF1.4**

Data No.	Date-Time	Temp °C	DO mg/L	Reaer yes/no	DOr mg/L	Elapsed Time days	Total DO mg/L
1	08/13/05 10:19	20.49	8.71	No		0	8.71
2	08/14/05 14:21	19.82	8.52	No		1.17	8.52
3	08/15/05 14:42	20.14	8.42	No		2.18	8.42
4	08/16/05 15:14	20.13	8.53	No		3.2	8.53
5	08/17/05 16:09	20.26	8.29	No		4.24	8.29
6	08/18/05 14:08	19.94	8.33	No		5.16	8.33
7	08/19/05 14:06	20.19	8.16	No		6.16	8.16
8	08/20/05 14:30	20.16	8.22	No		7.17	8.22
9	08/21/05 13:55	20.03	8.09	No		8.15	8.09
10	08/23/05 10:21	19.96	8.07	No		10	8.07
11	08/25/05 14:26	20.3	7.82	No		12.17	7.82
12	08/27/05 14:31	19.76	7.74	No		14.18	7.74
13	08/28/05 13:15	19.67	7.63	No		15.12	7.63
14	08/30/05 16:08	19.98	7.4	No		17.24	7.4
15	09/02/05 15:51	20.17	7.23	No		20.23	7.23
16	09/04/05 15:23	19.84	7.29	No		22.21	7.29
17	09/06/05 11:16	20.32	7.18	No		24.04	7.18
18	09/09/05 10:53	20.07	7.02	No		27.02	7.02
19	09/13/05 13:04	20.34	6.89	No		31.11	6.89
20	09/16/05 15:58	19.97	6.71	No		34.24	6.71
21	09/21/05 10:58	20.23	6.7	No		39.03	6.7
22	09/23/05 11:10	20.11	6.71	No		41.04	6.71
23	09/28/05 10:07	20.27	6.56	No		45.99	6.56
24	10/09/05 12:45	20.08	6.44	No		57.1	6.44
25	10/12/05 15:16	20.09	6.33	No		60.21	6.33
26	10/18/05 13:59	20.15	6.18	No		66.15	6.18
27	10/25/05 09:19	20.13	6.05	No		72.96	6.05
28	11/01/05 14:44	20.38	5.89	No		80.18	5.89
29	11/10/05 10:32	20.14	5.76	No		89.01	5.76
30	11/16/05 13:31	20.01	5.65	No		95.13	5.65
31	11/23/05 13:56	20.21	5.58	No		102.15	5.58
32	11/30/05 14:31	20.2	5.53	No		109.18	5.53
33	12/09/05 14:09	20.18	5.26	No		118.16	5.26

**Nitrogen Data**

Data No.	Date-time	TKN mg/L as N	NH3 mg/L as N	NO3 mg/L as N	Total Nitrogen mg/L as N	Elapsed Time days	Nitrogenous BOD, mg/L
1	08/13/05 10:19	0.21	0.05	0.1	0.31	0	0
2	08/18/05 14:08			0.12		5.16	0.09
3	08/23/05 10:21			0.13		10	0.14
4	08/28/05 13:15			0.14		15.12	0.18
5	09/02/05 15:51			0.15		20.23	0.23
6	09/13/05 13:04			0.15		31.11	0.23

7	09/21/05 10:58			0.18		39.03	0.37
8	10/12/05 15:16			0.18		60.21	0.37
9	11/10/05 10:32			0.18		89.01	0.37
10	12/09/05 14:09	0.14	0.05	0.18	0.32	118.16	0.37



Total BOD mg/L	Initials	Remarks
0		
0.19		
0.29		
0.18		
0.42		
0.38		
0.55		
0.49		
0.62		
0.64		
0.89		
0.97		
1.08		
1.31		
1.48		
1.42		
1.53		
1.69		
1.82		
2		
2.01		
2		
2.15		
2.27		
2.38		
2.53		
2.66		
2.82		
2.95		
3.06		
3.13		
3.18		
3.45		

**Initials**      **Remarks**

## DO/BOD Data - Aberdeen

Data No.	Date-Time	Temp °C	DO mg/L	Reaer yes/no	DOr mg/L	Elapsed Time days	Total DO mg/L
1	08/12/05 08:41	20.87	8.66	No		0	8.66
2	08/13/05 13:11	20.17	7.13	No		1.19	7.13
3	08/14/05 12:22	19.77	6	No		2.15	6
4	08/15/05 13:08	20.06	4.71	No		3.19	4.71
5	08/16/05 13:16	20.19	3.51	No		4.19	3.51
6	08/17/05 14:20	20.25	2.6	Yes	8.34	5.24	2.6
7	08/18/05 14:58	19.79	7.4	No		6.26	1.66
8	08/19/05 09:45	20.08	6.41	No		7.04	0.67
9	08/20/05 13:01	20.14	5.29	No		8.18	-0.45
10	08/21/05 12:05	19.92	4.37	No		9.14	-1.37
11	08/22/05 10:26	20.29	3.61	Yes	8.23	10.07	-2.13
12	08/24/05 08:37	19.94	6.9	No		12	-3.46
13	08/26/05 14:40	20.56	5.25	No		14.25	-5.11
14	08/27/05 11:45	19.78	4.71	No		15.13	-5.65
15	08/29/05 08:56	19.76	3.32	Yes	8.6	17.01	-7.04
16	08/31/05 09:19	19.92	6.67	No		19.03	-8.97
17	09/01/05 15:55	20.2	5.63	No		20.3	-10.01
18	09/04/05 13:28	19.94	3.89	Yes	8.46	23.2	-11.75
19	09/06/05 08:29	20.12	7.64	No		24.99	-12.57
20	09/09/05 08:45	20.14	6.38	No		28	-13.83
21	09/12/05 09:40	20.29	5.66	No		31.04	-14.55
22	09/16/05 13:30	20.01	4.52	No		35.2	-15.69
23	09/20/05 10:45	20.3	3.68	No		39.09	-16.53
24	09/23/05 13:19	20.36	3.16	Yes	8.39	42.19	-17.05
25	09/28/05 14:34	20.17	7.68	No		47.25	-17.76
26	10/04/05 13:21	20.19	6.92	No		53.19	-18.52
27	10/11/05 09:45	20.22	6.29	No		60.04	-19.15
28	10/18/05 15:06	20.19	5.59	No		67.27	-19.85
29	10/25/05 12:56	20.38	5	No		74.18	-20.44
30	11/01/05 11:19	20.26	4.59	No		81.11	-20.85
31	11/09/05 09:22	20.26	4.06	No		89.03	-21.38
32	11/16/05 15:37	20.22	3.68	No		96.29	-21.76
33	11/22/05 15:49	20.2	3.41	No		102.3	-22.03
34	11/29/05 14:51	20.14	3.11	No		109.26	-22.33
35	12/08/05 13:31	20.33	2.77	No		118.2	-22.67

## Nitrogen Data

Data No.	Date-time	TKN mg/L as N	NH3 mg/L as N	NO3 mg/L as N	Total Nitrogen mg/L as N	Elapsed Time days	Nitrogenous BOD, mg/L
1	08/12/05 08:41	0.85	0.086	0.77	1.62	0	0
2	08/17/05 14:20			0.75		5.24	-0.09
3	08/22/05 10:26			0.75		10.07	-0.09
4	08/27/05 11:45			0.84		15.13	0.32

5	09/01/05 15:55			1.4		20.3	2.88
6	09/12/05 09:40			1.7		31.04	4.25
7	09/20/05 10:45			1.8		39.09	4.71
8	10/11/05 09:45			1.9		60.04	5.16
9	11/09/05 09:22			2		89.03	5.62
10	12/08/05 13:31	0.63	0.05	2.1	2.73	118.2	6.08

Total BOD mg/L	Initials	Remarks
0		
1.53		
2.66		
3.95		
5.15		
6.06		
7		
7.99		
9.11		
10.03		
10.79		
12.12		
13.77		
14.31		
15.7		
17.63		
18.67		
20.41		
21.23		
22.49		
23.21		
24.35		
25.19		
25.71		
26.42		
27.18		
27.81		
28.51		
29.1		
29.51		
30.04		
30.42		
30.69		
30.99		
31.33		

**Initials**      **Remarks**

## DO/BOD Data - Bryan

Data No.	Date-Time	Temp °C	DO mg/L	Reaer yes/no	DOr mg/L	Elapsed Time days	Total DO mg/L
1	08/12/05 08:39	20.61	8.76	No		0	8.76
2	08/13/05 13:38	20.22	8.56	No		1.21	8.56
3	08/14/05 12:32	19.8	8.28	No		2.16	8.28
4	08/15/05 13:28	20.24	7.94	No		3.2	7.94
5	08/16/05 13:24	20.22	7.85	No		4.2	7.85
6	08/17/05 14:35	20.31	7.49	No		5.25	7.49
7	08/18/05 15:21	19.96	7.21	No		6.28	7.21
8	08/19/05 10:02	20.07	6.86	No		7.06	6.86
9	08/20/05 12:55	20.12	6.19	No		8.18	6.19
10	08/21/05 12:34	19.93	5.49	No		9.16	5.49
11	08/22/05 10:43	20.24	5.08	No		10.09	5.08
12	08/24/05 09:30	20.08	4.65	No		12.04	4.65
13	08/26/05 15:41	20.49	4.13	No		14.29	4.13
14	08/27/05 11:58	19.88	4.02	No		15.14	4.02
15	08/29/05 09:28	19.82	3.71	Yes	8.44	17.03	3.71
16	08/31/05 09:37	19.99	7.81	No		19.04	3.08
17	09/01/05 16:28	20.3	7.36	No		20.33	2.63
18	09/04/05 13:47	19.84	6.54	No		23.21	1.81
19	09/06/05 08:54	20.09	6.13	No		25.01	1.4
20	09/09/05 09:06	20.32	5.22	No		28.02	0.49
21	09/12/05 09:49	20.23	4.66	No		31.05	-0.07
22	09/16/05 13:48	19.95	3.79	Yes	8.31	35.21	-0.94
23	09/20/05 10:15	20.5	7.32	No		39.07	-1.93
24	09/23/05 13:40	20.36	6.59	No		42.21	-2.66
25	09/28/05 15:21	20.57	5.61	No		47.28	-3.64
26	10/04/05 13:37	20.1	4.69	No		53.21	-4.56
27	10/11/05 10:22	20.2	3.69	Yes	8.39	60.07	-5.56
28	10/18/05 14:59	20.35	7.39	No		67.26	-6.56
29	11/01/05 11:11	20.37	6.04	No		81.11	-7.91
30	11/09/05 10:05	20.26	5.25	No		89.06	-8.7
31	11/16/05 15:28	20.14	4.6	No		96.28	-9.35
32	11/22/05 16:04	20.2	4.07	No		102.31	-9.88
33	11/29/05 15:38	20.13	3.52	No		109.29	-10.43
34	12/08/05 14:19	20.26	2.83	No		118.24	-11.12

## Nitrogen Data

Data No.	Date-time	TKN mg/L as N	NH3 mg/L as N	NO3 mg/L as N	Total Nitrogen mg/L as N	Elapsed Time days	Nitrogenous BOD, mg/L
1	08/12/05 08:39	2.3	0.061	110	112.3	0	0
2	08/17/05 14:35			110		5.25	0
3	08/22/05 10:43			110		10.09	0
4	08/27/05 11:58			110		15.14	0
5	09/01/05 16:28			110		20.33	0

6	09/12/05 09:49			110		31.05	0
7	09/20/05 10:15			110		39.07	0
8	10/11/05 10:22			110		60.07	0
9	11/09/05 10:05			110		89.06	0
10	12/08/05 14:19	1.4	0.05	110	111.4	118.24	0

Total BOD mg/L	Initials	Remarks
0		
0.2		
0.48		
0.82		
0.91		
1.27		
1.55		
1.9		
2.57		
3.27		
3.68		
4.11		
4.63		
4.74		
5.05		
5.68		
6.13		
6.95		
7.36		
8.27		
8.83		
9.7		
10.69		
11.42		
12.4		
13.32		
14.32		
15.32		
16.67		
17.46		
18.11		
18.64		
19.19		
19.88		

Initials            Remarks

## DO/BOD Data - Columbus

Data No.	Date-Time	Temp °C	DO mg/L	Reaer yes/no	DOr mg/L	Elapsed Time days	Total DO mg/L
1	08/12/05 08:45	20.95	8.68	No		0	8.68
2	08/13/05 13:35	20.17	7.88	No		1.2	7.88
3	08/14/05 12:30	19.8	7.39	No		2.16	7.39
4	08/15/05 13:30	20.23	6.63	No		3.2	6.63
5	08/16/05 13:22	20.18	5.6	No		4.19	5.6
6	08/17/05 14:39	20.27	4.03	No		5.25	4.03
7	08/18/05 15:17	19.98	2.51	Yes	8.45	6.27	2.51
8	08/19/05 10:06	20.13	6.8	No		7.06	0.86
9	08/20/05 12:53	20.11	4.75	No		8.17	-1.19
10	08/21/05 12:26	19.94	3.38	Yes	8.03	9.15	-2.56
11	08/22/05 10:46	20.3	7.09	No		10.08	-3.5
12	08/24/05 09:32	20.08	5.93	No		12.03	-4.66
13	08/26/05 15:39	20.47	4.68	No		14.29	-5.91
14	08/27/05 11:55	19.81	4.38	No		15.13	-6.21
15	08/29/05 09:20	19.83	3.79	Yes	8.47	17.02	-6.8
16	08/31/05 09:36	19.94	7.8	No		19.04	-7.47
17	09/01/05 16:31	20.3	7.39	No		20.32	-7.88
18	09/04/05 13:50	19.86	6.65	No		23.21	-8.62
19	09/06/05 08:50	20.07	6.29	No		25	-8.98
20	09/09/05 09:20	20.27	5.54	No		28.02	-9.73
21	09/12/05 09:55	20.22	5.26	No		31.05	-10.01
22	09/16/05 14:02	19.97	4.66	No		35.22	-10.61
23	09/20/05 10:32	20.28	4.16	No		39.07	-11.11
24	09/23/05 13:57	20.43	3.82	No		42.22	-11.45
25	09/28/05 15:12	20.32	3.35	No		47.27	-11.92
26	10/04/05 13:58	20.4	2.92	No		53.22	-12.35
27	10/11/05 10:33	20.24	2.56	Yes	8.3	60.08	-12.71
28	10/18/05 14:57	20.3	7.84	No		67.26	-13.17
29	10/25/05 13:17	20.74	7.42	No		74.19	-13.59
30	11/01/05 11:02	20.27	7.35	No		81.1	-13.66
31	11/09/05 09:13	20.32	6.89	No		89.02	-14.12
32	11/16/05 15:42	20.16	6.56	No		96.29	-14.45
33	11/22/05 15:44	20.23	6.36	No		102.29	-14.65
34	11/29/05 14:55	20.24	6.25	No		109.26	-14.76
35	12/08/05 13:42	20.36	6.03	No		118.21	-14.98

## Nitrogen Data

Data No.	Date-time	TKN mg/L as N	NH3 mg/L as N	NO3 mg/L as N	Total Nitrogen mg/L as N	Elapsed Time days	Nitrogenous BOD, mg/L
1	08/12/05 08:45	1	0.1	6.2	7.2	0	0
2	08/17/05 14:39			6.2		5.25	0
3	08/22/05 10:46			6.3		10.08	0.46
4	08/27/05 11:55			6.3		15.13	0.46



5	09/01/05 16:31			6.4		20.32	0.91
6	09/12/05 09:55			6.5		31.05	1.37
7	09/20/05 10:32			6.6		39.07	1.83
8	10/11/05 10:33			6.7		60.08	2.29
9	11/09/05 09:13			6.8		89.02	2.74
10	12/08/05 13:42	0.44	0.05	6.7	7.14	118.21	2.29

Total BOD mg/L	Initials	Remarks
0		
0.8		
1.29		
2.05		
3.08		
4.65		
6.17		
7.82		
9.87		
11.24		
12.18		
13.34		
14.59		
14.89		
15.48		
16.15		
16.56		
17.3		
17.66		
18.41		
18.69		
19.29		
19.79		
20.13		
20.6		
21.03		
21.39		
21.85		
22.27		
22.34		
22.8		
23.13		
23.33		
23.44		
23.66		

**Initials**      **Remarks**

**DO/BOD Data - EKA**

Data No.	Date-Time	Temp °C	DO mg/L	Reaer yes/no	DOr mg/L	Elapsed Time days	Total DO mg/L
1	08/12/05 10:15	20.84	8.94	No		0	8.94
2	08/13/05 13:49	20.1	6.99	No		1.15	6.99
3	08/14/05 12:56	19.78	7.17	No		2.11	7.17
4	08/15/05 13:43	20.14	6.65	No		3.14	6.65
5	08/16/05 13:38	20.21	5.21	No		4.14	5.21
6	08/17/05 15:01	20.18	3.74	Yes	8.2	5.2	3.74
7	08/18/05 15:30	19.91	7.52	No		6.22	3.06
8	08/19/05 10:34	20.06	6.93	No		7.01	2.47
9	08/20/05 12:32	20.08	6.07	No		8.1	1.61
10	08/21/05 12:44	19.95	4.99	No		9.1	0.53
11	08/22/05 11:12	20.28	3.9	Yes	8.45	10.04	-0.56
12	08/24/05 10:24	20.08	6.15	No		12.01	-2.86
13	08/26/05 15:16	20.37	3.81	Yes	8.42	14.21	-5.2
14	08/27/05 12:22	19.77	7.42	No		15.09	-6.2
15	08/29/05 09:46	19.91	6.22	No		16.98	-7.4
16	08/31/05 09:44	19.86	5.54	No		18.98	-8.08
17	09/01/05 16:53	20.3	5.08	No		20.28	-8.54
18	09/04/05 14:07	19.85	4.33	No		23.16	-9.29
19	09/06/05 09:09	20.19	3.77	No		24.95	-9.85
20	09/09/05 09:28	20.18	1.56	Yes	8.32	27.97	-12.06
21	09/12/05 10:16	20.18	6.68	No		31	-13.7
22	09/16/05 14:04	19.95	5.27	No		35.16	-15.11
23	09/20/05 10:35	20.4	4.92	No		39.01	-15.46
24	09/23/05 13:17	20.32	4.7	No		42.13	-15.68
25	09/28/05 14:37	20.15	4.5	No		47.18	-15.88
26	10/04/05 13:19	20.11	4.28	No		53.13	-16.1
27	10/11/05 09:48	20.28	4.07	Yes	8.51	59.98	-16.31
28	10/18/05 15:04	20.24	8.16	No		67.2	-16.66
29	10/25/05 12:53	20.41	7.88	No		74.11	-16.94
30	11/01/05 11:17	20.24	7.88	No		81.04	-16.94
31	11/09/05 09:19	20.47	7.51	No		88.96	-17.31
32	11/16/05 15:39	20.21	7.31	No		96.23	-17.51
33	11/22/05 15:47	20.25	7.23	No		102.23	-17.59
34	11/29/05 14:52	20.25	7.22	No		109.19	-17.6
35	12/08/05 13:36	20.33	7.12	No		118.14	-17.7

**Nitrogen Data**

Data No.	Date-time	TKN mg/L as N	NH3 mg/L as N	NO3 mg/L as N	Total Nitrogen mg/L as N	Elapsed Time days	Nitrogenous BOD, mg/L
1	08/12/05 10:15	1.3	1.1	0.14	1.44	0	0
2	08/17/05 15:01			0.15		5.2	0.05
3	08/22/05 11:12			0.15		10.04	0.05
4	08/27/05 12:22			0.14		15.09	0

5	09/01/05 16:53			0.14		20.28	0
6	09/12/05 10:16			1.1		31	4.39
7	09/20/05 10:35			1.2		39.01	4.84
8	10/11/05 09:48			1.3		59.98	5.3
9	11/09/05 09:19			1.3		88.96	5.3
10	12/08/05 13:36	0.092	0.05	1.3	1.392	118.14	5.3

Total BOD mg/L	Initials	Remarks
0		
1.95		
1.77		
2.29		
3.73		
5.2		
5.88		
6.47		
7.33		
8.41		
9.5		
11.8		
14.14		
15.14		
16.34		
17.02		
17.48		
18.23		
18.79		
21		
22.64		
24.05		
24.4		
24.62		
24.82		
25.04		
25.25		
25.6		
25.88		
25.88		
26.25		
26.45		
26.53		
26.54		
26.64		

**Initials**      **Remarks**

## DO/BOD Data - Hamilton

Data No.	Date-Time	Temp °C	DO mg/L	Reaer yes/no	DOr mg/L	Elapsed Time days	Total DO mg/L
1	08/12/05 07:58	20.48	8.94	No		0	8.94
2	08/13/05 13:03	20.22	8.64	No		1.21	8.64
3	08/14/05 12:11	19.8	8.58	No		2.18	8.58
4	08/15/05 12:56	20.09	8.3	No		3.21	8.3
5	08/16/05 13:10	20.07	8.2	No		4.22	8.2
6	08/17/05 13:55	20.24	7.85	No		5.25	7.85
7	08/18/05 15:10	19.98	7.78	No		6.3	7.78
8	08/19/05 09:53	20.08	7.64	No		7.08	7.64
9	08/20/05 13:13	20.11	7.54	No		8.22	7.54
10	08/21/05 12:13	19.9	7.37	No		9.18	7.37
11	08/22/05 10:02	20.07	7.29	No		10.09	7.29
12	08/24/05 08:57	20.03	7.14	No		12.04	7.14
13	08/26/05 14:25	20.13	6.9	No		14.27	6.9
14	08/27/05 11:32	19.81	6.82	No		15.15	6.82
15	08/29/05 08:44	19.86	6.71	No		17.03	6.71
16	08/31/05 08:54	19.84	6.61	No		19.04	6.61
17	09/01/05 16:14	20.19	6.51	No		20.34	6.51
18	09/04/05 13:18	19.82	6.35	No		23.22	6.35
19	09/06/05 08:42	20.12	6.3	No		25.03	6.3
20	09/09/05 08:53	20.19	6	No		28.04	6
21	09/12/05 09:18	20.25	5.95	No		31.06	5.95
22	09/16/05 13:43	20.08	5.65	No		35.24	5.65
23	09/20/05 10:38	20.43	5.43	No		39.11	5.43
24	09/23/05 13:38	20.35	5.29	No		42.24	5.29
25	09/28/05 15:24	20.66	4.92	No		47.31	4.92
26	10/09/05 13:33	20.15	4.38	No		58.23	4.38
27	10/11/05 10:13	20.28	3.68	Yes	8.53	60.09	3.68
28	10/18/05 14:43	20.3	8.02	No		67.28	3.17
29	10/25/05 11:11	20.5	7.65	No		74.13	2.8
30	11/01/05 09:02	20.57	7.51	No		81.04	2.66
31	11/09/05 10:39	20.44	7.18	No		89.11	2.33
32	11/16/05 15:11	20.22	6.89	No		96.3	2.04
33	11/22/05 16:14	20.17	6.76	No		102.34	1.91
34	11/29/05 15:47	20.06	6.69	No		109.33	1.84
35	12/08/05 14:02	20.38	6.43	No		118.25	1.58

## Nitrogen Data

Data No.	Date-time	TKN mg/L as N	NH3 mg/L as N	NO3 mg/L as N	Total Nitrogen mg/L as N	Elapsed Time days	Nitrogenous BOD, mg/L
1	08/12/05 07:58	1	0.065	3.6	4.6	0	0
2	08/17/05 13:55			3.6		5.25	0
3	08/22/05 10:02			3.6		10.09	0
4	08/27/05 11:32			3.6		15.15	0

5	09/01/05 16:14			3.6		20.34	0
6	09/12/05 09:18			3.7		31.06	0.46
7	09/20/05 10:38			3.8		39.11	0.91
8	10/11/05 10:13			4		60.09	1.83
9	11/09/05 10:39			4		89.11	1.83
10	12/08/05 14:02	0.65	0.05	4	4.65	118.25	1.83

Total BOD mg/L	Initials	Remarks
0		
0.3		
0.36		
0.64		
0.74		
1.09		
1.16		
1.3		
1.4		
1.57		
1.65		
1.8		
2.04		
2.12		
2.23		
2.33		
2.43		
2.59		
2.64		
2.94		
2.99		
3.29		
3.51		
3.65		
4.02		
4.56		
5.26		
5.77		
6.14		
6.28		
6.61		
6.9		
7.03		
7.1		
7.36		

**Initials**      **Remarks**



**DO/BOD Data- KerrMcGee**

Data No.	Date-Time	Temp °C	DO mg/L	Reaer yes/no	DOr mg/L	Elapsed Time days	Total DO mg/L
1	08/12/05 10:29	20.48	8.66	No		0	8.66
2	08/13/05 13:37	20.11	7.59	No		1.13	7.59
3	08/14/05 13:03	19.77	6.79	No		2.11	6.79
4	08/15/05 13:41	20.08	5.87	No		3.13	5.87
5	08/16/05 13:40	20.34	5.21	No		4.13	5.21
6	08/17/05 15:06	20.44	4.5	No		5.19	4.5
7	08/18/05 15:31	19.95	3.92	Yes	8.58	6.21	3.92
8	08/19/05 10:32	20.03	7.93	No		7	3.27
9	08/20/05 12:29	20.11	7.18	No		8.08	2.52
10	08/21/05 12:42	19.96	6.48	No		9.09	1.82
11	08/22/05 11:09	20.36	5.91	No		10.03	1.25
12	08/24/05 10:23	20.17	4.84	No		12	0.18
13	08/26/05 15:10	20.37	3.29	Yes	8.34	14.2	-1.37
14	08/27/05 12:18	19.77	7.56	No		15.08	-2.15
15	08/29/05 09:44	19.9	5.66	No		16.97	-4.05
16	08/31/05 09:46	19.87	3.72	Yes	8.49	18.97	-5.99
17	09/01/05 16:42	20.17	7.23	No		20.26	-7.25
18	09/04/05 14:03	19.77	5.2	No		23.15	-9.28
19	09/06/05 09:00	20.11	4.23	No		24.94	-10.25
20	09/09/05 09:38	20.23	2.91	Yes	8.37	27.96	-11.57
21	09/12/05 10:27	20.42	7.48	No		31	-12.46
22	09/16/05 14:24	19.8	5.47	No		35.16	-14.47
23	09/20/05 10:03	20.38	3.52	Yes	8.52	38.98	-16.42
24	09/23/05 14:12	20.47	7.04	No		42.15	-17.9
25	09/28/05 15:36	20.41	6.02	No		47.21	-18.92
26	10/04/05 14:26	20.26	5.26	No		53.16	-19.68
27	10/11/05 11:20	20.35	4.66	No		60.04	-20.28
28	10/18/05 14:34	20.37	4.15	No		67.17	-20.79
29	10/25/05 13:18	20.64	3.67	No		74.12	-21.27
30	11/01/05 11:05	20.27	3.21	Yes	8.53	81.03	-21.73
31	11/09/05 10:09	20.3	7.71	No		88.99	-22.55
32	11/16/05 15:25	20.15	7.3	No		96.21	-22.96
33	11/22/05 16:07	20.21	7.15	No		102.23	-23.11
34	11/29/05 15:35	20.23	6.99	No		109.21	-23.27
35	12/08/05 14:13	20.27	6.79	No		118.16	-23.47

**Nitrogen Data**

Data No.	Date-time	TKN mg/L as N	NH3 mg/L as N	NO3 mg/L as N	Total Nitrogen mg/L as N	Elapsed Time days	Nitrogenous BOD, mg/L
1	08/12/05 10:29	0.44	0.05	0.05	0.49	0	0
2	08/17/05 15:06			0.058		5.19	0.04
3	08/22/05 11:09			0.05		10.03	0
4	08/27/05 12:18			0.05		15.08	0

5	09/01/05 16:42			0.051		20.26	0
6	09/12/05 10:27			0.058		31	0.04
7	09/20/05 10:03			0.062		38.98	0.05
8	10/11/05 11:20			0.056		60.04	0.03
9	11/09/05 10:09			0.22		88.99	0.78
10	12/08/05 14:13	0.13	0.05	0.27	0.4	118.16	1.01

Total BOD mg/L	Initials	Remarks
0		
1.07		
1.87		
2.79		
3.45		
4.16		
4.74		
5.39		
6.14		
6.84		
7.41		
8.48		
10.03		
10.81		
12.71		
14.65		
15.91		
17.94		
18.91		
20.23		
21.12		
23.13		
25.08		
26.56		
27.58		
28.34		
28.94		
29.45		
29.93		
30.39		
31.21		
31.62		
31.77		
31.93		
32.13		

**Initials**      **Remarks**

## DO/BOD Data - TTSports

Data No.	Date-Time	Temp °C	DO mg/L	Reaer yes/no	DOr mg/L	Elapsed Time days	Total DO mg/L
1	08/13/05 14:09	20.36	8.71	No		0	8.71
2	08/14/05 13:29	19.79	8.06	No		0.97	8.06
3	08/15/05 13:54	20.15	7.4	No		1.99	7.4
4	08/16/05 14:25	20.36	7.04	No		3.01	7.04
5	08/17/05 15:44	20.2	6.32	No		4.07	6.32
6	08/18/05 14:20	19.88	6.11	No		5.01	6.11
7	08/19/05 11:12	20.05	5.83	No		5.88	5.83
8	08/20/05 13:23	20.08	5.52	No		6.97	5.52
9	08/21/05 13:09	19.95	5.03	No		7.96	5.03
10	08/23/05 09:50	20.01	4.47	No		9.82	4.47
11	08/25/05 14:16	20.21	4.03	No		12	4.03
12	08/27/05 13:08	19.8	3.79	No		13.96	3.79
13	08/28/05 12:47	19.67	3.7	No		14.94	3.7
14	08/30/05 15:40	19.96	3.44	No		17.06	3.44
15	09/02/05 14:55	20	3.09	No		20.03	3.09
16	09/04/05 14:57	19.86	2.98	Yes	7.97	22.03	2.98
17	09/06/05 10:44	20.16	7.84	No		23.86	2.85
18	09/09/05 10:32	20.29	7.39	No		26.85	2.4
19	09/13/05 11:04	20.32	5.66	No		30.87	0.67
20	09/16/05 15:35	20.02	5.24	No		34.06	0.25
21	09/21/05 09:41	20.03	4.07	No		38.81	-0.92
22	09/23/05 10:48	20.1	3.78	No		40.86	-1.21
23	09/28/05 09:44	20.66	3.58	No		45.82	-1.41
24	10/04/05 11:01	20.1	3.46	No		51.87	-1.53
25	10/12/05 14:10	20.1	3.32	No		60	-1.67
26	10/18/05 13:28	20.19	3.27	No		65.97	-1.72
27	10/25/05 10:29	20.46	3.17	No		72.85	-1.82
28	11/01/05 14:01	20.34	3.15	No		79.99	-1.84
29	11/10/05 09:55	20.07	3.11	No		88.82	-1.88
30	11/16/05 13:41	20.01	3.1	No		94.98	-1.89
31	11/23/05 13:42	20.16	3.13	No		101.98	-1.86
32	11/30/05 14:08	20.2	3.12	No		109	-1.87
33	12/09/05 13:39	20.15	3.02	No		117.98	-1.97

## Nitrogen Data

Data No.	Date-time	TKN mg/L as N	NH3 mg/L as N	NO3 mg/L as N	Total Nitrogen mg/L as N	Elapsed Time days	Nitrogenous BOD, mg/L
1	08/18/05 14:20			3.2		0	0
2	08/23/05 09:50			3.2		4.81	0
3	08/28/05 12:47			3.2		9.94	0
4	09/02/05 14:55			3.2		15.02	0
5	09/13/05 11:04			3.4		25.86	0.91
6	09/21/05 09:41			3.7		33.81	2.29

7	10/12/05 14:10			3.9		54.99	3.2
8	11/10/05 09:55			3.9		83.82	3.2
9	12/09/05 13:39	0.05	0.05	3.8	3.85	112.97	2.74

Total BOD mg/L	Initials	Remarks
0		
0.65		
1.31		
1.67		
2.39		
2.6		
2.88		
3.19		
3.68		
4.24		
4.68		
4.92		
5.01		
5.27		
5.62		
5.73		
5.86		
6.31		
8.04		
8.46		
9.63		
9.92		
10.12		
10.24		
10.38		
10.43		
10.53		
10.55		
10.59		
10.6		
10.57		
10.58		
10.68		

**Initials**      **Remarks**

## DO/BOD Data - Westpoint

Data No.	Date-Time	Temp °C	DO mg/L	Reaer yes/no	DOr mg/L	Elapsed Time days	Total DO mg/L
1	08/12/05 08:17	20.45	8.61	No		0	8.61
2	08/13/05 13:09	20.15	7.93	No		1.2	7.93
3	08/14/05 12:15	19.81	7.06	No		2.17	7.06
4	08/15/05 13:04	20.16	5.74	No		3.2	5.74
5	08/16/05 13:14	20.17	5.07	No		4.21	5.07
6	08/17/05 14:10	20.28	4.46	No		5.25	4.46
7	08/18/05 15:00	19.92	3.95	Yes	8.53	6.28	3.95
8	08/19/05 09:50	20.07	7.94	No		7.06	3.36
9	08/20/05 13:10	20.11	7.07	No		8.2	2.49
10	08/21/05 12:09	19.91	6.18	No		9.16	1.6
11	08/22/05 10:08	20.22	5.26	No		10.08	0.68
12	08/24/05 08:39	19.93	4.26	Yes	8.24	12.02	-0.32
13	08/26/05 14:38	20.47	6.05	No		14.26	-2.51
14	08/27/05 11:42	19.77	5.44	No		15.14	-3.12
15	08/29/05 08:54	19.78	4.44	No		17.03	-4.12
16	08/31/05 09:08	19.92	3.48	Yes	8.52	19.04	-5.08
17	09/01/05 15:59	20.17	7.94	No		20.32	-5.66
18	09/04/05 13:26	19.91	6.98	No		23.21	-6.62
19	09/06/05 08:31	20.04	6.62	No		25.01	-6.98
20	09/09/05 08:48	20.11	5.85	No		28.02	-7.75
21	09/12/05 09:38	20.33	5.37	No		31.06	-8.23
22	09/16/05 13:39	20.05	4.54	No		35.22	-9.06
23	09/20/05 10:48	20.3	3.86	Yes	8.38	39.1	-9.74
24	09/23/05 13:26	20.29	3.4	Yes	8.29	42.21	-14.72
25	09/28/05 14:30	20.2	7.63	No		47.26	-15.38
26	10/04/05 13:23	20.18	6.8	No		53.21	-16.21
27	10/11/05 09:43	20.26	5.92	No		60.06	-17.09
28	10/18/05 15:08	20.21	4.99	No		67.29	-18.02
29	10/25/05 12:59	20.35	4.14	No		74.2	-18.87
30	11/01/05 11:22	20.26	3.53	No		81.13	-19.48
31	11/09/05 09:31	20.31	2.84	Yes	8.38	89.05	-20.17
32	11/16/05 15:35	20.26	7.7	No		96.3	-20.85
33	11/22/05 15:51	20.3	7.36	No		102.32	-21.19
34	11/29/05 14:48	20.17	7.03	No		109.27	-21.52
35	12/08/05 13:28	20.2	6.57	No		118.22	-21.98

## Nitrogen Data

Data No.	Date-time	TKN mg/L as N	NH3 mg/L as N	NO3 mg/L as N	Total Nitrogen mg/L as N	Elapsed Time days	Nitrogenous BOD, mg/L
1	08/12/05 08:17	2	0.12	5	7	0	0
2	08/17/05 14:10			5		5.25	0
3	08/22/05 10:08			5.1		10.08	0.46
4	08/27/05 11:42			5.3		15.14	1.37

5	09/01/05 15:59			5.4		20.32	1.83
6	09/12/05 09:38			5.4		31.06	1.83
7	09/20/05 10:48			5.6		39.1	2.74
8	10/11/05 09:43			5.8		60.06	3.66
9	11/09/05 09:31			5.8		89.05	3.66
10	12/08/05 13:28	0.84	0.05	5.9	6.74	118.22	4.11



Total BOD mg/L	Initials	Remarks
0		
0.68		
1.55		
2.87		
3.54		
4.15		
4.66		
5.25		
6.12		
7.01		
7.93		
8.93		
11.12		
11.73		
12.73		
13.69		
14.27		
15.23		
15.59		
16.36		
16.84		
17.67		
18.35		
23.33		
23.99		
24.82		
25.7		
26.63		
27.48		
28.09		
28.78		
29.46		
29.8		
30.13		
30.59		

**Initials**      **Remarks**

## DO/BOD Data - Winfield

Data No.	Date-Time	Temp °C	DO mg/L	Reaer yes/no	DOr mg/L	Elapsed Time days	Total DO mg/L
1	08/12/05 08:11	20.69	8.56	No		0	8.56
2	08/13/05 13:07	20.16	5.39	No		1.21	5.39
3	08/14/05 12:13	19.8	3.29	No		2.17	3.29
4	08/15/05 12:57	20.21	0.87	Yes	8.12	3.2	0.87
5	08/16/05 13:12	20.2	5.33	No		4.21	-1.92
6	08/17/05 13:59	20.25	2.57	Yes	8.33	5.24	-4.68
7	08/18/05 15:03	19.92	5.63	No		6.29	-7.38
8	08/19/05 09:46	20.08	4.09	No		7.07	-8.92
9	08/20/05 13:03	20.12	2.4	Yes	8.07	8.2	-10.61
10	08/21/05 12:07	19.89	6.66	No		9.16	-12.02
11	08/22/05 10:22	20.43	5.17	No		10.09	-13.51
12	08/24/05 08:52	19.96	3.48	Yes	8.41	12.03	-15.2
13	08/26/05 14:36	20.3	0.11	Yes	8.4	14.27	-23.5
14	08/27/05 11:35	19.75	1	Yes	7.97	15.14	-30.9
15	08/29/05 08:47	19.5	1	Yes	8.16	17.03	-37.87
16	08/31/05 08:59	19.96	0.04	Yes	8.3	19.03	-45.99
17	09/01/05 16:30	20.22	0.08	Yes	8.17	20.35	-54.21
18	09/04/05 13:20	19.97	1	Yes	8.16	23.21	-61.38
19	09/06/05 08:34	20.02	4.72	Yes	8.65	25.02	-64.82
20	09/09/05 08:50	20.13	5.61	No		28.03	-67.86
21	09/12/05 09:24	20.15	3.24	Yes	8.69	31.05	-70.23
22	09/16/05 13:41	20.09	4.93	No		35.23	-73.99
23	09/20/05 10:51	20.34	1.72	Yes	8.45	39.11	-77.2
24	09/23/05 13:33	20.49	6.29	No		42.22	-79.36
25	09/28/05 14:23	20.29	4.13	Yes	8.36	47.26	-81.52
26	10/04/05 13:26	20.2	6.34	No		53.22	-83.54
27	10/11/05 09:30	20.14	4.53	Yes	8.51	60.05	-85.35
28	10/18/05 15:10	20.26	6.77	No		67.29	-87.09
29	10/25/05 13:01	20.38	5.53	No		74.2	-88.33
30	11/01/05 11:13	20.4	4.58	No		81.13	-89.28
31	11/09/05 09:53	20.3	3.52	Yes	8.49	89.07	-90.34
32	11/16/05 15:30	20.33	7.53	No		96.3	-91.3
33	11/22/05 15:56	20.28	7	No		102.32	-91.83
34	11/29/05 15:40	20.12	6.46	No		109.31	-92.37
35	12/08/05 14:21	20.4	5.6	No		118.26	-93.23

## Nitrogen Data

Data No.	Date-time	TKN mg/L as N	NH3 mg/L as N	NO3 mg/L as N	Total Nitrogen mg/L as N	Elapsed Time days	Nitrogenous BOD, mg/L
1	08/12/05 08:11	14	11	0.05	14.05	0	0
2	08/17/05 13:59			0.05		5.24	0
3	08/22/05 10:22			0.17		10.09	0.55
4	08/27/05 11:35			5		15.14	22.62

5	09/01/05 16:03			11		20.33	50.04
6	09/12/05 09:24			12		31.05	54.61
7	09/20/05 10:51			12		39.11	54.61
8	10/11/05 09:30			13		60.05	59.18
9	11/09/05 15:30			13		89.3	59.18
10	12/08/05 14:21	0.77	0.05	13	13.77	118.26	59.18

Total BOD mg/L	Initials	Remarks
0		
3.17		
5.27		
7.69		
10.48		
13.24		
15.94		
17.48		
19.17		
20.58		
22.07		
23.76		
32.06		
39.46		
46.43		
54.55		
62.77		
69.94		
73.38		
76.42		
78.79		
82.55		
85.76		
87.92		
90.08		
92.1		
93.91		
95.65		
96.89		
97.84		
98.9		
99.86		
100.39		
100.93		
101.79		

**Initials**      **Remarks**

## DO/BOD Data - Wpaper

Data No.	Date-Time	Temp °C	DO mg/L	Reaer yes/no	DOr mg/L	Elapsed Time days	Total DO mg/L
1	08/12/05 09:07	20.13	8.8	No		0	8.8
2	08/13/05 13:47	20.03	5.48	No		1.19	5.48
3	08/14/05 12:49	19.82	2.63	Yes	8.58	2.15	2.63
4	08/15/05 13:44	20.15	5.5	No		3.19	-0.45
5	08/16/05 13:36	20.26	3.49	No		4.19	-2.46
6	08/17/05 15:10	20.54	1.61	Yes	7.71	5.25	-4.34
7	08/18/05 15:16	19.96	5.85	No		6.26	-6.2
8	08/19/05 10:08	20.07	4.03	No		7.04	-8.02
9	08/20/05 12:46	20.23	0.08	Yes	8.23	8.15	-11.97
10	08/21/05 12:25	19.95	5.25	No		9.14	-14.95
11	08/22/05 10:40	20.29	2.33	Yes	8.12	10.06	-17.87
12	08/24/05 09:36	20.12	3.02	Yes	8.36	12.02	-22.97
13	08/26/05 15:08	20.37	4.74	No		14.25	-26.59
14	08/27/05 12:11	19.79	3.63	Yes	8.24	15.13	-27.7
15	08/29/05 09:42	19.9	4.25	No		17.02	-31.69
16	09/01/05 16:46	20.3	0.8	Yes	8.14	20.32	-35.14
17	09/04/05 14:05	19.85	4.86	No		23.21	-38.42
18	09/06/05 09:01	20.05	3.2	Yes	8.5	25	-40.08
19	09/09/05 09:36	20.29	5.43	No		28.02	-43.15
20	09/12/05 10:19	20.28	2.94	Yes	8.48	31.05	-45.64
21	09/16/05 14:26	20.01	4.83	No		35.22	-49.29
22	09/20/05 09:50	20.31	2.17	Yes	8.48	39.03	-51.95
23	09/23/05 14:14	20.63	6.17	No		42.21	-54.26
24	09/28/05 15:29	20.46	3.17	Yes	8.25	47.27	-57.26
25	10/04/05 14:30	20.4	4.57	No		53.22	-60.94
26	10/11/05 10:48	20.07	1.21	Yes	8.46	60.07	-64.3
27	10/18/05 14:38	20.31	5.17	No		67.23	-67.59
28	10/25/05 11:13	20.51	2.31	Yes	8.32	74.09	-70.45
29	11/01/05 08:44	20.42	5.61	No		80.98	-73.16
30	11/09/05 10:26	20.25	2.62	Yes	8.39	89.05	-76.15
31	11/16/05 15:14	20.14	5.61	No		96.25	-78.93
32	11/22/05 16:17	20.18	3.46	Yes	8.32	102.3	-81.08
33	11/29/05 15:49	20.1	5.75	No		109.28	-83.65
34	12/08/05 13:58	20.45	2.73	No		118.2	-86.67

## Nitrogen Data

Data No.	Date-time	TKN mg/L as N	NH3 mg/L as N	NO3 mg/L as N	Total Nitrogen mg/L as N	Elapsed Time days	Nitrogenous BOD, mg/L
1	08/27/05 12:11			1		0	0
2	09/01/05 16:46			1.9		5.19	4.11
3	09/12/05 10:19			2.6		15.92	7.31
4	09/20/05 09:50			2.6		23.9	7.31
5	10/11/05 10:48			2.8		44.94	8.23

6 11/09/05 10:26			2.8		73.93	8.23
7 12/08/05 13:58	1.5	0.05	2.8	4.3	103.07	8.23

Total BOD mg/L	Initials	Remarks
0		
3.32		
6.17		
9.25		
11.26		
13.14		
15		
16.82		
20.77		
23.75		
26.67		
31.77		
35.39		
36.5		
40.49		
43.94		
47.22		
48.88		
51.95		
54.44		
58.09		
60.75		
63.06		
66.06		
69.74		
73.1		
76.39		
79.25		
81.96		
84.95		
87.73		
89.88		
92.45		
95.47		

Initials      Remarks