Appendix X. Dissolved Oxygen

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X.1 Tabulated Summary of Hi-Low Stage Statistical Tests and Trend Analysis

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X-1 Tabulated Summary (narrow)

WELL NAME	ANALYTE	OU	EXTINJ	HGU	DIST TO RIV m	LAG	LAG COR	CHEM N	CHEM N HIGH	CHEM N LOW	CHEM N INTERMEDIATE	WL N	WL N INSCREEN	WL N NOTINSCREEN	RIVER TREND ESTIMATION	HIGH LOW STAGE TTEST	HIGH LOW STAGE MANN WHITNEY	WELL STATUS
199-B2-13	Dissolved	100-BC-5	FALSE	TU	108.55	14.00	0.82	3	1	1	1	14			Unsuccessful			IN-USE
199-B2-14	Dissolved	100-BC-5	FALSE		136.75			3	2	1	0	5	5	0	Unsuccessful			IN-USE
199-B3-1	Dissolved	100-BC-5	FALSE	TU	131.76	13.00	0.76	3	1	1	1	15			Unsuccessful			IN-USE
199-B3-46	Dissolved	100-BC-5	FALSE	TU	209.58	11.00	0.77	3	1	1	1	15			Unsuccessful			IN-USE
199-B3-47	Dissolved	100-BC-5	FALSE	TU	70.80	6.00	0.82	3	1	1	1	19			Unsuccessful			IN-USE
199-B3-50	Dissolved	100-BC-5	FALSE		545.34			3	2	1	0	5	5	0	Unsuccessful			IN-USE
199-B4-4	Dissolved	100-BC-5	FALSE	TU	920.25	40.00	0.92	3	2	1	0	9			Unsuccessful			IN-USE
199-B4-8	Dissolved	100-BC-5	FALSE	TU	803.93			3	2	1	0	5			Unsuccessful			IN-USE
199-B5-1	Dissolved	100-BC-5	FALSE	TU	477.65	30.00	0.93	3	1	1	1	16			Unsuccessful			IN-USE
199-B5-2	Dissolved	100-BC-5	FALSE	TU	478.25			3	2	1	0	6			Unsuccessful			IN-USE
199-B5-5	Dissolved	100-BC-5	FALSE	MU	292.28			3	2	1	0	5	0	5	Unsuccessful			IN-USE
199-B5-6	Dissolved	100-BC-5	FALSE	MU	932.61			3	2	1	0	7	0	7	Unsuccessful			IN-USE
199-B8-6	Dissolved	100-BC-5	FALSE	TU	1117.24	41.00	0.89	3	2	1	0	13			Unsuccessful			IN-USE
199-B9-3	Dissolved	100-BC-5	FALSE	TU	1408.85	44.00	0.87	3	2	1	0	13			Unsuccessful			IN-USE
199-D2-11	Dissolved	100-HR-3-D	FALSE	TU	821.64	70.00	0.86	16	9	6	1	1682	1682	0	Unsuccessful	0.992	0.181	IN-USE
199-D2-6	Dissolved	100-HR-3-D	FALSE	TU	614.10	43.00	0.86	16	5	6	5	45			Unsuccessful	0.441	0.177	IN-USE
199-D2-8	Dissolved	100-HR-3-D	FALSE	TU	713.26	71.00	0.88	13	7	5	1	57	57	0	Unsuccessful	0.306	0.404	DECOMMISSIONED-V
199-D3-2	Dissolved	100-HR-3-D	FALSE	TU	180.85	15.00	0.96	16	6	4	6	2074	1698	376	Unsuccessful	0.031	0.067	IN-USE
199-D3-3	Dissolved	100-HR-3-D	FALSE	TU	189.44			8	2	6	0	1	1	0	Unsuccessful			IN-USE
199-D3-4	Dissolved	100-HR-3-D	FALSE	TU	188.46			7	2	5	0	1	1	0	Unsuccessful			IN-USE
199-D4-1	Dissolved	100-HR-3-D	FALSE	TU	135.08	29.00	0.77	16	7	4	5	18	18	0	Unsuccessful	0.231	0.042	IN-USE
199-D4-10	Dissolved	100-HR-3-D	FALSE	TU	150.77			8	2	5	1	1	1	0	Unsuccessful			IN-USE
199-D4-101	Dissolved	100-HR-3-D	TRUE		263.29			1	0	1	0				Unsuccessful			IN-USE
199-D4-11	Dissolved	100-HR-3-D	FALSE	TU	146.70			14	5	6	3	1	1	0	Unsuccessful	0.389	0.429	IN-USE
199-D4-12	Dissolved	100-HR-3-D	FALSE	TU	141.25			8	3	4	1	1	1	0	Unsuccessful	0.507	1.000	IN-USE
199-D4-13	Dissolved	100-HR-3-D	FALSE	TU	161.98	27.00	0.93	8	2	4	2	2141	2141	0	Unsuccessful			IN-USE
199-D4-14	Dissolved	100-HR-3-D	FALSE	TU	108.15	27.00	0.93	12	5	4	3	2050	2050	0	Unsuccessful	0.994	0.730	IN-USE
199-D4-15	Dissolved	100-HR-3-D	FALSE	TU	343.67	54.00	0.91	48	24	17	7	568	568	0	Unsuccessful	0.002	0.043	IN-USE
199-D4-19	Dissolved	100-HR-3-D	FALSE	TU	182.46	20.00	0.96	9	4	2	3	1490	1490	0	Unsuccessful			IN-USE
199-D4-2	Dissolved	100-HR-3-D	FALSE	TU	155.34			17	6	8	3				Successful	0.001	0.003	IN-USE
199-D4-20	Dissolved	100-HR-3-D	FALSE	TU	370.30	41.00	0.95	17	8	4	5	2128	2128	0	Unsuccessful	0.332	0.214	IN-USE
199-D4-21	Dissolved	100-HR-3-D	FALSE	TU	138.99	26.00	0.90	19	8	7	4	2128	2126	2	Unsuccessful	0.007	0.009	IN-USE
199-D4-22	Dissolved	100-HR-3-D	FALSE	TU	169.54	26.00	0.83	15	8	4	3	46	46	0	Successful	0.011	0.048	IN-USE
199-D4-23	Dissolved	100-HR-3-D	FALSE	TU	62.33	12.00	0.94	17	7	5	5	255	255	0	Unsuccessful	0.067	0.030	IN-USE
199-D4-24	Dissolved	100-HR-3-D	FALSE	TU	155.33			7	2	4	1				Unsuccessful			IN-USE
199-D4-25	Dissolved	100-HR-3-D	FALSE	TU	161.92	22.00	0.96	20	8	7	5	13	13	0	Unsuccessful	0.001	0.000	IN-USE
199-D4-26	Dissolved	100-HR-3-D	FALSE	TU	155.28	25.00	0.95	26	10	7	9	16	12	4	Unsuccessful	0.350	0.690	IN-USE
199-D4-27	Dissolved	100-HR-3-D	FALSE	TU	162.28	23.00	0.96	17	8	5	4	14	14	0	Successful	0.028	0.019	IN-USE
199-D4-28	Dissolved	100-HR-3-D	FALSE	TU	155.65			19	7	8	4				Unsuccessful	0.016	0.009	IN-USE
199-D4-29	Dissolved	100-HR-3-D	FALSE	TU	162.54			19	7	8	4				Unsuccessful	0.009	0.002	IN-USE
199-D4-3	Dissolved	100-HR-3-D	FALSE	TU	152.37			16	7	5	4				Unsuccessful	0.121	0.106	IN-USE
199-D4-30	Dissolved	100-HR-3-D	FALSE	TU	155.72			16	6	6	4				Unsuccessful	0.349	0.180	IN-USE
199-D4-31	Dissolved	100-HR-3-D	FALSE	TU	161.78	28.00	0.81	38	17	11	10	20	20	0	Successful	0.029	0.019	IN-USE
199-D4-32	Dissolved	100-HR-3-D	FALSE	TU	143.49	24.00	0.84	33	17	9	7	21	21	0	Unsuccessful	0.999	0.751	IN-USE
199-D4-33	Dissolved	100-HR-3-D	FALSE	TU	135.83			13	5	5	3				Unsuccessful	0.045	0.095	IN-USE
199-D4-34	Dissolved	100-HR-3-D	FALSE	TU	141.16			20	8	8	4				Successful	0.003	0.005	IN-USE
199-D4-35	Dissolved	100-HR-3-D	FALSE	TU	129.62			18	8	7	3	1	1	0	Unsuccessful	0.921	0.955	IN-USE
199-D4-36	Dissolved	100-HR-3-D	FALSE	TU	129.31	25.00	0.84	39	20	12	7	24	24	0	Successful	0.000	0.000	IN-USE

X-1 Tabulated Summary (narrow)

WELL NAME	ANALYTE	OU	EXTINJ	HGU	DIST TO RIV m	LAG	LAG COR	CHEM N	CHEM N HIGH	CHEM N LOW	CHEM N INTERMEDIATE	WL N	WL N INSCREEN	WL N NOTINSCREEN	RIVER TREND ESTIMATION	HIGH LOW STAGE TTEST	HIGH LOW STAGE MANN WHITNEY	WELL STATUS
199-D4-37	Dissolved	100-HR-3-D	FALSE	TU	118.53			20	8	8	4				Unsuccessful	0.045	0.050	IN-USE
199-D4-38	Dissolved	100-HR-3-D	TRUE	TU	93.43	14.00	0.95	13	6	4	3	1496	1496	0	Successful	0.001	0.019	IN-USE
199-D4-39	Dissolved	100-HR-3-D	TRUE	TU	58.55	19.00	0.94	15	6	4	5	36	36	0	Unsuccessful	0.260	0.476	IN-USE
199-D4-4	Dissolved	100-HR-3-D	FALSE	TU	124.47	17.00	0.94	23	11	6	6	22	22	0	Unsuccessful	0.282	0.098	IN-USE
199-D4-40	Dissolved	100-HR-3-D	FALSE	TU	120.10			20	8	8	4				Unsuccessful	0.169	0.083	IN-USE
199-D4-41	Dissolved	100-HR-3-D	FALSE	TU	110.64			20	8	8	4				Successful	0.001	0.002	IN-USE
199-D4-42	Dissolved	100-HR-3-D	FALSE	TU	112.10			20	8	8	4				Successful	0.001	0.002	IN-USE
199-D4-43	Dissolved	100-HR-3-D	FALSE	TU	103.57			20	8	8	4				Unsuccessful	0.045	0.050	IN-USE
199-D4-44	Dissolved	100-HR-3-D	FALSE	TU	101.01			7	2	4	1				Unsuccessful			IN-USE
199-D4-45	Dissolved	100-HR-3-D	FALSE	TU	104.52			16	6	7	3				Unsuccessful	0.625	0.836	IN-USE
199-D4-46	Dissolved	100-HR-3-D	FALSE	TU	95.41			7	2	4	1				Unsuccessful			IN-USE
199-D4-47	Dissolved	100-HR-3-D	FALSE	TU	99.72			7	2	4	1				Unsuccessful			IN-USE
199-D4-48	Dissolved	100-HR-3-D	FALSE	TU	91.76	25.00	0.96	24	13	7	4	21	21	0	Unsuccessful	0.399	0.938	IN-USE
199-D4-49	Dissolved	100-HR-3-D	FALSE	TU	162.56			7	2	4	1				Unsuccessful			IN-USE
199-D4-5	Dissolved	100-HR-3-D	FALSE	TU	132.13	17.00	0.94	23	11	6	6	21	21	0	Unsuccessful	0.212	0.808	IN-USE
199-D4-50	Dissolved	100-HR-3-D	FALSE	TU	156.90			16	6	6	4				Unsuccessful	0.425	0.485	IN-USE
199-D4-51	Dissolved	100-HR-3-D	FALSE	TU	165.16			11	5	5	1				Unsuccessful	0.667	0.310	IN-USE
199-D4-52	Dissolved	100-HR-3-D	FALSE	TU	159.98			8	3	4	1				Unsuccessful	0.212	0.229	IN-USE
199-D4-53	Dissolved	100-HR-3-D	FALSE	TU	167.81			7	2	4	1				Unsuccessful			IN-USE
199-D4-54	Dissolved	100-HR-3-D	FALSE	TU	162.81			7	2	4	1				Unsuccessful			IN-USE
199-D4-55	Dissolved	100-HR-3-D	FALSE	TU	163.90			7	2	4	1				Unsuccessful			IN-USE
199-D4-56	Dissolved	100-HR-3-D	FALSE	TU	171.49			13	5	5	3				Successful	0.016	0.056	IN-USE
199-D4-57	Dissolved	100-HR-3-D	FALSE	TU	166.50			8	3	4	1				Unsuccessful	0.024	0.029	IN-USE
199-D4-58	Dissolved	100-HR-3-D	FALSE	TU	175.24			8	3	4	1				Unsuccessful	0.162	0.229	IN-USE
199-D4-59	Dissolved	100-HR-3-D	FALSE	TU	171.89			6	2	3	1				Unsuccessful			IN-USE
199-D4-6	Dissolved	100-HR-3-D	FALSE	UU	109.66	17.00	0.93	16	7	5	4	29	29	0	Unsuccessful	0.610	1.000	IN-USE
199-D4-60	Dissolved	100-HR-3-D	FALSE	TU	181.76			11	2	6	3				Unsuccessful			IN-USE
199-D4-61	Dissolved	100-HR-3-D	FALSE	TU	177.80			7	2	4	1				Unsuccessful			IN-USE
199-D4-62	Dissolved	100-HR-3-D	FALSE	TU	184.96	21.00	0.96	20	6	5	9	18	15	3	Unsuccessful	0.516	0.329	IN-USE
199-D4-63	Dissolved	100-HR-3-D	FALSE	TU	178.48			7	2	4	1				Unsuccessful			IN-USE
199-D4-64	Dissolved	100-HR-3-D	FALSE	TU	186.18			7	2	4	1				Unsuccessful			IN-USE
199-D4-65	Dissolved	100-HR-3-D	FALSE	TU	179.44			7	2	4	1				Unsuccessful			IN-USE
199-D4-66	Dissolved	100-HR-3-D	FALSE	TU	187.25			7	2	4	1				Unsuccessful			IN-USE
199-D4-67	Dissolved	100-HR-3-D	FALSE	TU	180.27			7	2	4	1				Unsuccessful			IN-USE
199-D4-68	Dissolved	100-HR-3-D	FALSE	TU	188.09			7	2	4	1				Unsuccessful			IN-USE
199-D4-69	Dissolved	100-HR-3-D	FALSE	TU	181.21			7	2	4	1				Unsuccessful			IN-USE
199-D4-7	Dissolved	100-HR-3-D	FALSE	UU	145.43	26.00	0.88	33	17	8	8	44	44	0	Unsuccessful	0.114	0.061	IN-USE
199-D4-70	Dissolved	100-HR-3-D	FALSE	TU	189.33			7	2	4	1				Unsuccessful			IN-USE
199-D4-71	Dissolved	100-HR-3-D	FALSE	TU	182.34			7	2	4	1				Unsuccessful			IN-USE
199-D4-72	Dissolved	100-HR-3-D	FALSE	TU	189.10			7	2	4	1				Unsuccessful			IN-USE
199-D4-73	Dissolved	100-HR-3-D	FALSE	TU	182.16			7	2	4	1				Unsuccessful			IN-USE
199-D4-74	Dissolved	100-HR-3-D	FALSE	TU	189.30			7	2	5	0				Unsuccessful			IN-USE
199-D4-75	Dissolved	100-HR-3-D	FALSE	TU	182.50			7	2	5	0				Unsuccessful			IN-USE
199-D4-76	Dissolved	100-HR-3-D	FALSE	TU	189.98			7	2	5	0				Unsuccessful			IN-USE
199-D4-77	Dissolved	100-HR-3-D	FALSE	TU	183.27			7	2	5	0				Unsuccessful			IN-USE
199-D4-78	Dissolved	100-HR-3-D	FALSE	TU	191.33	20.00	0.91	28	10	9	9	24	21	3	Unsuccessful	0.032	0.139	IN-USE
199-D4-79	Dissolved	100-HR-3-D	FALSE	TU	184.41			12	4	6	2				Unsuccessful	0.314	0.476	IN-USE
199-D4-8	Dissolved	100-HR-3-D	FALSE	TU	145.30			6	2	3	1	1	1	0	Unsuccessful			IN-USE

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WELL NAME	ANALYTE	OU	EXTINJ	HGU	DIST TO RIV m	LAG	LAG COR	CHEM N	CHEM N HIGH	CHEM N LOW	CHEM N INTERMEDIATE	WL N	WL N INSCREEN	WL N NOTINSCREEN	RIVER TREND ESTIMATION	HIGH LOW STAGE TTEST	HIGH LOW STAGE MANN WHITNEY	WELL STATUS
199-D4-80	Dissolved	100-HR-3-D	FALSE	TU	190.60			14	5	7	2	1	1	0	Unsuccessful	0.020	0.048	IN-USE
199-D4-81	Dissolved	100-HR-3-D	FALSE	TU	182.80			8	2	6	0	1	1	0	Unsuccessful			IN-USE
199-D4-82	Dissolved	100-HR-3-D	FALSE	TU	181.89			7	2	5	0	1	1	0	Unsuccessful			IN-USE
199-D4-83	Dissolved	100-HR-3-D	TRUE	TU	62.35	25.00	0.84	13	5	4	4	33	33	0	Successful	0.008	0.016	IN-USE
199-D4-84	Dissolved	100-HR-3-D	TRUE	TU	91.83	15.00	0.95	14	5	5	4	1527	1527	0	Unsuccessful	0.305	0.389	IN-USE
199-D4-85	Dissolved	100-HR-3-D	TRUE	TU	99.26	16.00	0.96	12	4	4	4	1425	1425	0	Unsuccessful	0.863	1.000	IN-USE
199-D4-86	Dissolved	100-HR-3-D	FALSE	TU	107.54	14.00	0.97	13	6	4	3	433	385	48	Unsuccessful	0.237	0.171	IN-USE
199-D4-9	Dissolved	100-HR-3-D	FALSE	TU	151.47			19	7	8	4	1	1	0	Successful	0.002	0.000	IN-USE
199-D4-92	Dissolved	100-HR-3-D	FALSE	TU	158.18	22.00	0.93	2	0	1	1	13	13	0	Unsuccessful			IN-USE
199-D4-93	Dissolved	100-HR-3-D	FALSE	TU	152.36	20.00	0.92	1	0	1	0	11	11	0	Unsuccessful			IN-USE
199-D5-101	Dissolved	100-HR-3-D	TRUE		266.40			1	1	0	0				Unsuccessful			IN-USE
199-D5-102	Dissolved	100-HR-3-D	FALSE	TU	748.12	72.00	0.81	2	1	1	0	1698	1698	0	Unsuccessful			IN-USE
199-D5-103	Dissolved	100-HR-3-D	FALSE	TU	731.33	77.00	0.73	11	5	4	2	1698	1698	0	Unsuccessful	0.875	0.905	IN-USE
199-D5-104	Dissolved	100-HR-3-D	TRUE	TU	567.75	54.00	0.92	5	2	2	1	929	929	0	Unsuccessful			IN-USE
199-D5-120	Dissolved	100-HR-3-D	FALSE	TU	666.70	75.00	0.57	8	4	2	2	24	24	0	Unsuccessful			IN-USE
199-D5-121	Dissolved	100-HR-3-D	FALSE	TU	710.71	66.00	0.83	7	6	1	0	1197	1197	0	Unsuccessful			IN-USE
199-D5-122	Dissolved	100-HR-3-D	FALSE	TU	640.21	65.00	0.76	9	6	3	0	532	532	0	Unsuccessful	0.243	0.357	IN-USE
199-D5-123	Dissolved	100-HR-3-D	FALSE		787.05	45.00	0.78	8	8	0	0	27	27	0	Unsuccessful			IN-USE
199-D5-125	Dissolved	100-HR-3-D	FALSE	TU	617.64	46.00	0.84	4	4	0	0	26	26	0	Unsuccessful			IN-USE
199-D5-126	Dissolved	100-HR-3-D	FALSE		551.27	70.00	0.85	8	5	3	0	28	28	0	Unsuccessful	0.422	0.571	IN-USE
199-D5-13	Dissolved	100-HR-3-D	FALSE	TU	371.06	38.00	0.80	4	1	3	0	40	40	0	Unsuccessful			IN-USE
199-D5-14	Dissolved	100-HR-3-D	FALSE	TU	642.08	50.00	0.96	4	1	3	0	238	238	0	Unsuccessful			IN-USE
199-D5-140	Dissolved	100-HR-3-D	FALSE		629.51			1	1	0	0	1	0	1	Unsuccessful			DECOMMISSIONED-V
199-D5-15	Dissolved	100-HR-3-D	FALSE	TU	715.51	53.00	0.46	4	1	3	0	44			Unsuccessful			IN-USE
199-D5-16	Dissolved	100-HR-3-D	FALSE	TU	826.11	49.00	0.77	4	1	3	0	41			Unsuccessful			IN-USE
199-D5-17	Dissolved	100-HR-3-D	FALSE	TU	994.68	122.00	0.55	3	1	2	0	26			Unsuccessful			IN-USE
199-D5-18	Dissolved	100-HR-3-D	FALSE	TU	1080.49	139.00	0.51	3	1	2	0	20			Unsuccessful			IN-USE
199-D5-19	Dissolved	100-HR-3-D	FALSE	TU	1137.54	118.00	0.60	3	1	2	0	27			Unsuccessful			IN-USE
199-D5-33	Dissolved	100-HR-3-D	FALSE	TU	250.66	34.00	0.95	1	0	1	0	1388			Unsuccessful			IN-USE
199-D5-34	Dissolved	100-HR-3-D	FALSE	TU	466.23	52.00	0.87	1	0	1	0	2146	2146	0	Unsuccessful			IN-USE
199-D5-36	Dissolved	100-HR-3-D	FALSE	TU	102.67	25.00	0.96	13	5	3	5	2158	2158	0	Unsuccessful	0.411	0.571	IN-USE
199-D5-37	Dissolved	100-HR-3-D	FALSE	TU	147.85	24.00	0.79	10	3	3	4	171	171	0	Unsuccessful	0.098	0.200	IN-USE
199-D5-38	Dissolved	100-HR-3-D	FALSE	TU	284.61	46.00	0.89	20	6	8	6	2049	2049	0	Unsuccessful	0.521	0.573	IN-USE
199-D5-39	Dissolved	100-HR-3-D	TRUE	TU	470.27			7	4	2	1	1	1	0	Unsuccessful			IN-USE
199-D5-40	Dissolved	100-HR-3-D	FALSE	TU	510.05	45.00	0.83	2	2	0	0	43	43	0	Unsuccessful			IN-USE
199-D5-41	Dissolved	100-HR-3-D	TRUE	TU	418.19	33.00	0.91	2	1	1	0	33	33	0	Unsuccessful			IN-USE
199-D5-43	Dissolved	100-HR-3-D	FALSE	TU	611.99	57.00	0.88	36	15	15	6	1696	1696	0	Unsuccessful	0.792	0.705	IN-USE
199-D5-93	Dissolved	100-HR-3-D	FALSE	TU	610.97	53.00	0.83	4	1	1	2	46	46	0	Unsuccessful			IN-USE
199-D5-97	Dissolved	100-HR-3-D	FALSE	TU	635.23	65.00	0.90	2	1	1	0	1698	1698	0	Unsuccessful			IN-USE
199-D5-98	Dissolved	100-HR-3-D	FALSE	TU	742.78	76.00	0.86	4	3	1	0	1567	1567	0	Unsuccessful			IN-USE
199-D5-99	Dissolved	100-HR-3-D	FALSE	TU	648.50	69.00	0.83	11	4	5	2	1397	1397	0	Unsuccessful	0.054	0.071	IN-USE
199-D6-3	Dissolved	100-HR-3-D	FALSE		981.86			1	0	1	0	1	1	0	Unsuccessful			IN-USE
199-D8-5	Dissolved	100-HR-3-D	FALSE	TU	127.01	8.00	0.70	4	0	2	2	34	34	0	Unsuccessful			IN-USE
199-D8-55	Dissolved	100-HR-3-D	TRUE	TU	85.04	12.00	0.94	3	0	2	1	630	630	0	Unsuccessful			IN-USE
199-D8-70	Dissolved	100-HR-3-D	FALSE	TU	178.69	12.00	0.95	4	0	2	2	2130	2130	0	Unsuccessful			IN-USE
199-D8-71	Dissolved	100-HR-3-D	FALSE	TU	173.19	11.00	0.95	3	0	2	1	2128	2128	0	Unsuccessful			IN-USE
199-D8-88	Dissolved	100-HR-3-D	TRUE	TU	94.60	18.00	0.96	4	1	2	1	1518	1518	0	Unsuccessful			IN-USE
199-F1-2	Dissolved	100-FR-3	FALSE	TU	88.74	14.00	0.93	3	1	2	0	14			Unsuccessful			IN-USE

X-1 Tabulated Summary (narrow)

WELL NAME	ANALYTE	OU	EXTINJ	HGU	DIST TO RIV m	LAG	LAG COR	CHEM N	CHEM N HIGH	CHEM N LOW	CHEM N INTERMEDIATE	WL N	WL N INSCREEN	WL N NOTINSCREEN	RIVER TREND ESTIMATION	HIGH LOW STAGE TTEST	HIGH LOW STAGE MANN WHITNEY	WELL STATUS
199-F5-1	Dissolved	100-FR-3	FALSE	TU	106.37	20.00	0.90	2	0	2	0	24			Unsuccessful			IN-USE
199-F5-4	Dissolved	100-FR-3	FALSE	TU	722.22	64.00	0.63	3	1	1	1	14			Unsuccessful			IN-USE
199-F5-42	Dissolved	100-FR-3	FALSE	TU	23.23			3	1	1	1	5			Unsuccessful			IN-USE
199-F5-43A	Dissolved	100-FR-3	FALSE	TU	27.81	10.00	0.83	3	1	1	1	14			Unsuccessful			IN-USE
199-F5-44	Dissolved	100-FR-3	FALSE	TU	30.88			3	1	1	1	6			Unsuccessful			IN-USE
199-F5-45	Dissolved	100-FR-3	FALSE	TU	529.88			3	1	1	1	4			Unsuccessful			IN-USE
199-F5-46	Dissolved	100-FR-3	FALSE	TU	371.10	30.00	0.92	3	1	2	0	16			Unsuccessful			IN-USE
199-F5-48	Dissolved	100-FR-3	FALSE	TU	637.40			3	1	1	1	7			Unsuccessful			IN-USE
199-F5-6	Dissolved	100-FR-3	FALSE	TU	122.60	2.00	0.86	3	1	1	1	13			Unsuccessful			IN-USE
199-F6-1	Dissolved	100-FR-3	FALSE	TU	51.15	18.00	0.82	3	1	1	1	10			Unsuccessful			IN-USE
199-F7-1	Dissolved	100-FR-3	FALSE	TU	1649.57	64.00	0.26	3	1	1	1	15			Unsuccessful			IN-USE
199-F7-2	Dissolved	100-FR-3	FALSE	TU	828.51	81.00	0.71	3	0	3	0	14	14	0	Unsuccessful			IN-USE
199-F7-3	Dissolved	100-FR-3	FALSE	TU	1467.91	171.00	0.51	3	0	3	0	11			Unsuccessful			IN-USE
199-F8-2	Dissolved	100-FR-3	FALSE	TU	898.90			3	1	1	1	8			Unsuccessful			IN-USE
199-F8-3	Dissolved	100-FR-3	FALSE	TU	1141.19	179.00	0.70	3	0	3	0	18			Unsuccessful			IN-USE
199-F8-4	Dissolved	100-FR-3	FALSE	TU	609.71	72.00	0.64	3	1	1	1	17			Unsuccessful			IN-USE
199-F8-7	Dissolved	100-FR-3	FALSE		1257.64	180.00	0.73	3	0	3	0	11	11	0	Unsuccessful			IN-USE
199-H1-27	Dissolved	100-HR-3-H	TRUE		162.00			1	1	0	0				Unsuccessful			IN-USE
199-H3-2A	Dissolved	100-HR-3-H	TRUE	TU	481.78	40.00	0.58	5	1	4	0	63	63	0	Unsuccessful			IN-USE
199-H3-2B	Dissolved	100-HR-3-H	FALSE	TU	474.27	37.00	0.90	1	0	1	0	2156	0	2156	Unsuccessful			IN-USE
199-H3-4	Dissolved	100-HR-3-H	TRUE	TU	791.83	82.00	0.81	3	0	2	1	25	25	0	Unsuccessful			IN-USE
199-H3-5	Dissolved	100-HR-3-H	FALSE	TU	873.95	78.00	0.74	4	1	2	1	31	31	0	Unsuccessful			IN-USE
199-H4-10	Dissolved	100-HR-3-H	FALSE	TU	56.89	4.00	0.91	8	1	7	0	1063	1019	44	Unsuccessful			IN-USE
199-H4-11	Dissolved	100-HR-3-H	FALSE	TU	57.48	0.00	0.89	3	1	2	0	1092	1021	71	Unsuccessful			IN-USE
199-H4-12B	Dissolved	100-HR-3-H	FALSE	UU	72.22	9.00	0.80	3	0	3	0	2112	0	2112	Unsuccessful			IN-USE
199-H4-13	Dissolved	100-HR-3-H	FALSE	TU	55.08	4.00	0.90	5	1	4	0	30	30	0	Unsuccessful			IN-USE
199-H4-14	Dissolved	100-HR-3-H	TRUE	TU	332.35	24.00	0.28	2	0	2	0	1221	34	1187	Unsuccessful			IN-USE
199-H4-15A	Dissolved	100-HR-3-H	TRUE	TU	71.28	4.00	0.85	1	0	1	0	1316	1290	26	Unsuccessful			IN-USE
199-H4-15B	Dissolved	100-HR-3-H	FALSE	TU	70.79	5.00	0.91	2	0	2	0	2117	0	2117	Unsuccessful			IN-USE
199-H4-15CQ	Dissolved	100-HR-3-H	FALSE	CR	64.42	79.00	0.29	1	1	0	0	23			Unsuccessful			IN-USE
199-H4-16	Dissolved	100-HR-3-H	FALSE	TU	266.23	40.00	0.85	5	0	4	1	30	30	0	Unsuccessful			IN-USE
199-H4-18	Dissolved	100-HR-3-H	TRUE	TU	153.47	4.00	0.25	1	0	1	0	1212	183	1029	Unsuccessful			IN-USE
199-H4-2	Dissolved	100-HR-3-H	FALSE	UC	209.66			5	3	1	1	4	0	4	Unsuccessful			IN-USE
199-H4-3	Dissolved	100-HR-3-H	TRUE	TU	159.23	14.00	0.66	3	1	1	1	1338			Unsuccessful			IN-USE
199-H4-4	Dissolved	100-HR-3-H	TRUE	TU	62.58	0.00	0.77	1	0	1	0	1336			Unsuccessful			IN-USE
199-H4-45	Dissolved	100-HR-3-H	FALSE	TU	193.80	31.00	0.93	5	0	5	0	31			Unsuccessful			IN-USE
199-H4-46	Dissolved	100-HR-3-H	FALSE	TU	423.44	49.00	0.86	4	0	3	1	26			Unsuccessful			IN-USE
199-H4-48	Dissolved	100-HR-3-H	FALSE	TU	415.48	49.00	0.80	5	0	5	0	32			Unsuccessful			IN-USE
199-H4-5	Dissolved	100-HR-3-H	FALSE	TU	111.15	7.00	0.93	7	1	6	0	2018	1811	207	Unsuccessful			IN-USE
199-H4-6	Dissolved	100-HR-3-H	FALSE	TU	416.88	40.00	0.90	5	0	5	0	36	35	1	Unsuccessful			IN-USE
199-H4-63	Dissolved	100-HR-3-H	TRUE	TU	52.47	4.00	0.80	3	0	3	0	1315	1275	40	Unsuccessful			IN-USE
199-H4-65	Dissolved	100-HR-3-H	FALSE	TU	151.25	14.00	0.89	2	0	2	0	24	24	0	Unsuccessful			IN-USE
199-H4-8	Dissolved	100-HR-3-H	FALSE	TU	192.40	14.00	0.91	2	0	2	0	2151	2126	25	Unsuccessful			IN-USE
199-H4-80	Dissolved	100-HR-3-D	TRUE		1291.11			1	1	0	0				Unsuccessful			IN-USE
199-H4-9	Dissolved	100-HR-3-H	FALSE	TU	154.01	10.00	0.93	6	0	5	1	2140	2113	27	Unsuccessful			IN-USE
199-H5-1A	Dissolved	100-HR-3-H	FALSE	TU	715.43	59.00	0.85	3	0	3	0	2154	2044	110	Unsuccessful			IN-USE
199-H6-1	Dissolved	100-HR-3-H	FALSE	TU	291.11	42.00	0.76	3	0	3	0	24			Unsuccessful			IN-USE
199-K-106A	Dissolved	100-KR-4	FALSE	TU	436.68	29.00	0.90	18	7	6	5	38	38	0	Unsuccessful	0.456	0.534	IN-USE

X-1 Tabulated Summary (narrow)

WELL NAME	ANALYTE	OU	EXTINJ	HGU	DIST TO RIV m	LAG	LAG COR	CHEM N	CHEM N HIGH	CHEM N LOW	CHEM N INTERMEDIATE	WL N	WL N INSCREEN	WL N NOTINSCREEN	RIVER TREND ESTIMATION	HIGH LOW STAGE TTEST	HIGH LOW STAGE MANN WHITNEY	WELL STATUS
199-K-107A	Dissolved	100-KR-4	FALSE	TU	387.96	19.00	0.93	19	5	8	6	1363	1344	19	Unsuccessful	0.262	0.237	IN-USE
199-K-108A	Dissolved	100-KR-4	FALSE	TU	516.11	27.00	0.85	12	3	8	1	777	777	0	Unsuccessful	0.790	1.000	IN-USE
199-K-109A	Dissolved	100-KR-4	FALSE	TU	485.22	51.00	0.95	9	2	2	5	25	25	0	Unsuccessful			DECOMMISSIONED-V
199-K-11	Dissolved	100-KR-4	FALSE	TU	478.17	22.00	0.67	6	1	5	0	23			Unsuccessful			IN-USE
199-K-110A	Dissolved	100-KR-4	FALSE	TU	612.58	51.00	0.67	9	3	4	2	26	26	0	Unsuccessful	0.265	0.229	IN-USE
199-K-111A	Dissolved	100-KR-4	FALSE	TU	467.50	46.00	0.93	33	14	11	8	1424	1424	0	Unsuccessful	0.095	0.038	IN-USE
199-K-117A	Dissolved	100-KR-4	FALSE	TU	68.80	8.00	0.92	5	1	4	0	2150	1841	309	Unsuccessful			IN-USE
199-K-126	Dissolved	100-KR-4	FALSE	TU	290.47	0.00	0.48	3	1	2	0	19	19	0	Unsuccessful			IN-USE
199-K-13	Dissolved	100-KR-4	FALSE	TU	478.59			1	1	0	0	8			Unsuccessful			IN-USE
199-K-130	Dissolved	100-KR-4	TRUE	TU	119.48	37.00	0.94	1	0	1	0	811	811	0	Unsuccessful			IN-USE
199-K-131	Dissolved	100-NR-2	TRUE	TU	122.82	27.00	0.94	1	0	1	0	811	628	183	Unsuccessful			IN-USE
199-K-132	Dissolved	100-KR-4	TRUE	TU	180.99			16	6	6	4	5	5	0	Unsuccessful	0.144	0.119	IN-USE
199-K-133	Dissolved	100-KR-4	FALSE	TU	261.24			3	2	1	0	8	8	0	Unsuccessful			IN-USE
199-K-134	Dissolved	100-KR-4	FALSE	TU	298.10			3	2	1	0	7	7	0	Unsuccessful			IN-USE
199-K-135	Dissolved	100-KR-4	FALSE	TU	318.89	22.00	0.58	3	2	1	0	9	9	0	Unsuccessful			IN-USE
199-K-136	Dissolved	100-KR-4	FALSE	TU	280.75			2	1	1	0	8	8	0	Unsuccessful			IN-USE
199-K-141	Dissolved	100-KR-4	TRUE	TU	366.22	22.00	0.97	17	6	7	4	569	495	74	Unsuccessful	0.422	0.445	IN-USE
199-K-142	Dissolved	100-KR-4	FALSE	TU	391.05	25.00	0.92	18	6	10	2	684	684	0	Unsuccessful	0.967	0.981	IN-USE
199-K-146	Dissolved	100-KR-4	TRUE	TU	100.46			1	0	1	0	1	1	0	Unsuccessful			IN-USE
199-K-149	Dissolved	100-NR-2	TRUE	TU	140.94			1	0	1	0	6	6	0	Unsuccessful			IN-USE
199-K-151	Dissolved	100-NR-2	FALSE	UU	461.38	40.00	0.91	5	1	3	1	1178	1178	0	Unsuccessful			IN-USE
199-K-152	Dissolved	100-KR-4	TRUE	UU	373.48	54.00	0.65	5	1	3	1	10	10	0	Unsuccessful			IN-USE
199-K-153	Dissolved	100-KR-4	TRUE	UU	455.37	63.00	0.81	1	0	1	0	347	347	0	Unsuccessful			IN-USE
199-K-157	Dissolved	100-KR-4	FALSE	U	444.90	37.00	0.93	2	0	1	1	1195	1195	0	Unsuccessful			IN-USE
199-K-18	Dissolved	100-KR-4	FALSE	TU	234.81	26.00	0.86	3	1	2	0	2121			Unsuccessful			IN-USE
199-K-182	Dissolved	100-KR-4	TRUE		866.42			3	2	1	0	6	6	0	Unsuccessful			IN-USE
199-K-186	Dissolved	100-KR-4	FALSE		633.95			3	3	0	0	2	2	0	Unsuccessful			IN-USE
199-K-195	Dissolved	100-KR-4	FALSE		849.90			7	0	6	1	1	1	0	Unsuccessful			DECOMMISSIONED-V
199-K-196	Dissolved	100-KR-4	FALSE		167.81			1	0	0	1	1	1	0	Unsuccessful			IN-USE
199-K-20	Dissolved	100-KR-4	FALSE	TU	133.90	17.00	0.82	3	1	2	0	1989			Unsuccessful			IN-USE
199-K-200	Dissolved	100-KR-4	FALSE	TU	385.87			1	1	0	0	2	2	0	Unsuccessful			IN-USE
199-K-21	Dissolved	100-KR-4	FALSE	TU	145.13	14.00	0.94	5	0	5	0	2147			Unsuccessful			IN-USE
199-K-22	Dissolved	100-KR-4	FALSE	TU	218.10	18.00	0.92	5	2	3	0	2091	2091	0	Unsuccessful			IN-USE
199-K-23	Dissolved	100-KR-4	FALSE	TU	542.10	55.00	0.76	3	1	1	1	12			Unsuccessful			IN-USE
199-K-27	Dissolved	100-KR-4	FALSE	TU	500.60	50.00	0.96	12	6	2	4	27			Unsuccessful			DECOMMISSIONED-V
199-K-29	Dissolved	100-KR-4	FALSE	TU	518.80	56.00	0.77	19	9	5	5	38			Unsuccessful	0.199	0.147	DECOMMISSIONED-V
199-K-30	Dissolved	100-KR-4	FALSE	TU	548.26	52.00	0.91	15	4	9	2	1467	1467	0	Unsuccessful	0.238	0.199	DECOMMISSIONED-V
199-K-31	Dissolved	200-BP-5	FALSE	UU	62.70	7.00	0.85	7	1	6	0	26	7	19	Unsuccessful			IN-USE
199-K-32A	Dissolved	100-KR-4	FALSE	TU	237.39	21.00	0.95	19	6	8	5	2004			Unsuccessful	0.133	0.181	IN-USE
199-K-32B	Dissolved	100-KR-4	FALSE	LU	230.41	25.00	0.95	3	0	2	1	2010			Unsuccessful			IN-USE
199-K-34	Dissolved	100-KR-4	FALSE	TU	382.89	7.00	0.84	22	7	8	7	42			Unsuccessful	0.022	0.009	IN-USE
199-K-36	Dissolved	100-KR-4	FALSE	TU	917.63	83.00	0.74	3	0	2	1	32			Unsuccessful			IN-USE
199-K-37	Dissolved	100-KR-4	FALSE	TU	226.69	26.00	0.80	5	1	3	1	1941			Unsuccessful			IN-USE
199-N-103A	Dissolved	100-NR-2	FALSE	TU	95.06	22.00	0.92	9	3	5	1	11	11	0	Successful	0.006	0.036	IN-USE
199-N-105A	Dissolved	100-NR-2	FALSE	TU	173.36	28.00	0.97	30	16	7	7	21	19	2	Unsuccessful	0.146	0.384	IN-USE
199-N-106A	Dissolved	100-NR-2	FALSE	TU	205.18	24.00	0.95	9	3	6	0	17	17	0	Unsuccessful	0.049	0.024	IN-USE
199-N-119	Dissolved	100-NR-2	FALSE	TU	6.72	10.00	0.87	18	8	6	4	49	29	20	Unsuccessful	0.846	0.950	IN-USE
199-N-120	Dissolved	100-NR-2	FALSE	MU	6.20	0.00	0.85	5	1	3	1	24	0	24	Unsuccessful			IN-USE

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WELL NAME	ANALYTE	OU	EXTINJ	HGU	DIST TO RIV m	LAG	LAG COR	CHEM N	CHEM N HIGH	CHEM N LOW	CHEM N INTERMEDIATE	WL N	WL N INSCREEN	WL N NOTINSCREEN	RIVER TREND ESTIMATION	HIGH LOW STAGE TTEST	HIGH LOW STAGE MANN WHITNEY	WELL STATUS
199-N-121	Dissolved	100-NR-2	FALSE	MU	5.91	0.00	0.77	4	0	3	1	25	0	25	Unsuccessful			IN-USE
199-N-122	Dissolved	100-NR-2	FALSE	TU	3.23	10.00	0.93	52	30	12	10	29	28	1	Unsuccessful	0.041	0.097	IN-USE
199-N-123	Dissolved	100-NR-2	FALSE	TU	7.31	10.00	0.70	38	19	10	9	23	23	0	Unsuccessful	0.736	0.804	IN-USE
199-N-126	Dissolved	100-NR-2	FALSE	TU	5.90			19	13	3	3	3	0	3	Unsuccessful	0.036	0.111	IN-USE
199-N-127	Dissolved	100-NR-2	FALSE	TU	5.79			13	13	0	0	2	0	2	Unsuccessful			IN-USE
199-N-128	Dissolved	100-NR-2	FALSE	TU	8.65			38	27	6	5	2	0	2	Unsuccessful	0.088	0.063	IN-USE
199-N-129	Dissolved	100-NR-2	FALSE	TU	8.63			14	14	0	0	2	0	2	Successful			IN-USE
199-N-130	Dissolved	100-NR-2	FALSE	TU	15.98			33	25	3	5				Unsuccessful	0.196	0.165	IN-USE
199-N-131	Dissolved	100-NR-2	FALSE	TU	16.15			13	13	0	0				Unsuccessful			IN-USE
199-N-132	Dissolved	100-NR-2	FALSE	TU	10.88			36	26	5	5				Unsuccessful	0.034	0.704	IN-USE
199-N-133	Dissolved	100-NR-2	FALSE	TU	10.16			26	26	0	0				Unsuccessful			IN-USE
199-N-136	Dissolved	100-NR-2	FALSE	TU	8.31			40	30	4	6				Unsuccessful	0.384	1.000	IN-USE
199-N-137	Dissolved	100-NR-2	FALSE	TU	9.08			30	22	3	5				Unsuccessful	0.309	0.106	IN-USE
199-N-138	Dissolved	100-NR-2	FALSE	TU	11.59			33	25	3	5	8	0	8	Unsuccessful	0.458	0.122	IN-USE
199-N-139	Dissolved	100-NR-2	FALSE	TU	9.36			43	33	4	6				Unsuccessful	0.608	0.897	IN-USE
199-N-14	Dissolved	100-NR-2	FALSE	TU	134.64	18.00	0.96	6	1	4	1	1036	1036	0	Unsuccessful			IN-USE
199-N-140	Dissolved	100-NR-2	FALSE	TU	8.50			37	25	6	6				Unsuccessful	0.214	0.140	IN-USE
199-N-141	Dissolved	100-NR-2	FALSE	TU	7.93			38	26	6	6				Unsuccessful	0.148	0.787	IN-USE
199-N-142	Dissolved	100-NR-2	FALSE	TU	7.58			38	27	5	6				Unsuccessful	0.394	0.070	IN-USE
199-N-143	Dissolved	100-NR-2	FALSE	TU	7.09			37	27	4	6				Unsuccessful	0.760	0.787	IN-USE
199-N-144	Dissolved	100-NR-2	FALSE	TU	5.13			35	25	4	6				Unsuccessful	0.410	0.784	IN-USE
199-N-145	Dissolved	100-NR-2	FALSE	TU	5.87			43	28	9	6				Unsuccessful	0.667	0.741	IN-USE
199-N-146	Dissolved	100-NR-2	FALSE	TU	4.10	3.00	0.92	46	25	14	7	1068	0	1068	Unsuccessful	0.704	0.885	IN-USE
199-N-147	Dissolved	100-NR-2	FALSE	TU	4.82	4.00	0.90	54	34	13	7	1061	0	1061	Successful	0.005	0.002	IN-USE
199-N-148	Dissolved	100-NR-2	FALSE	TU	4.46			24	15	6	3				Unsuccessful	0.077	0.017	IN-USE
199-N-149	Dissolved	100-NR-2	FALSE	TU	4.46			19	15	4	0				Successful	0.052	0.012	IN-USE
199-N-150	Dissolved	100-NR-2	FALSE	TU	6.29			29	23	4	2				Successful	0.139	0.011	IN-USE
199-N-151	Dissolved	100-NR-2	FALSE	TU	6.14			35	24	6	5				Unsuccessful	0.132	0.113	IN-USE
199-N-152	Dissolved	100-NR-2	FALSE	TU	6.14			19	13	3	3				Unsuccessful	0.002	0.079	IN-USE
199-N-153	Dissolved	100-NR-2	FALSE	TU	8.41			15	13	1	1				Unsuccessful			IN-USE
199-N-154	Dissolved	100-NR-2	FALSE	TU	9.04			19	13	3	3				Successful	0.054	0.007	IN-USE
199-N-155	Dissolved	100-NR-2	FALSE	TU	8.42			34	26	5	3				Successful	0.067	0.006	IN-USE
199-N-156	Dissolved	100-NR-2	FALSE	TU	9.16			38	26	7	5				Successful	0.007	0.006	IN-USE
199-N-159	Dissolved	100-NR-2	FALSE	TU	8.65			31	22	4	5				Unsuccessful	0.397	0.316	IN-USE
199-N-16	Dissolved	100-NR-2	FALSE	TU	256.84	36.00	0.94	7	3	3	1	33	33	0	Unsuccessful	0.783	1.000	IN-USE
199-N-160	Dissolved	100-NR-2	FALSE	TU	7.79			41	28	7	6				Unsuccessful	0.129	0.036	IN-USE
199-N-161	Dissolved	100-NR-2	FALSE	TU	4.40			37	26	5	6				Unsuccessful	0.768	0.973	IN-USE
199-N-162	Dissolved	100-NR-2	FALSE	TU	5.74			34	25	3	6				Unsuccessful	0.932	0.613	IN-USE
199-N-163	Dissolved	100-NR-2	FALSE	TU	7.23			38	27	5	6				Unsuccessful	0.379	0.282	IN-USE
199-N-164	Dissolved	100-NR-2	FALSE	TU	7.60			39	28	5	6				Unsuccessful	0.568	0.285	IN-USE
199-N-165	Dissolved	100-NR-2	FALSE		392.79	46.00	0.90	6	1	1	4	13	12	1	Unsuccessful			IN-USE
199-N-167	Dissolved	100-NR-2	FALSE		131.35			4	1	2	1	3	3	0	Unsuccessful			IN-USE
199-N-169	Dissolved	100-NR-2	FALSE		125.68			2	1	0	1	2	2	0	Unsuccessful			IN-USE
199-N-170	Dissolved	100-NR-2	FALSE		115.74			2	1	0	1	2	2	0	Unsuccessful			DECOMMISSIONED-V
199-N-171	Dissolved	100-NR-2	FALSE		107.52			2	1	0	1	2	2	0	Unsuccessful			IN-USE
199-N-172	Dissolved	100-NR-2	FALSE		81.40			4	1	2	1	3	3	0	Unsuccessful			CANDIDATE FOR DECOMMISSIONING
199-N-173	Dissolved	100-NR-2	FALSE		11.55			4	0	4	0	4	4	0	Unsuccessful			IN-USE
199-N-18	Dissolved	100-NR-2	FALSE	TU	72.06	18.00	0.86	7	3	1	3	25	25	0	Unsuccessful			IN-USE

X-1 Tabulated Summary (narrow)

WELL NAME	ANALYTE	OU	EXTINJ	HGU	DIST TO RIV m	LAG	LAG COR	CHEM N	CHEM N HIGH	CHEM N LOW	CHEM N INTERMEDIATE	WL N	WL N INSCREEN	WL N NOTINSCREEN	RIVER TREND ESTIMATION	HIGH LOW STAGE TTEST	HIGH LOW STAGE MANN WHITNEY	WELL STATUS
199-N-183	Dissolved	100-NR-2	FALSE		76.31			1	1	0	0				Unsuccessful			IN-USE
199-N-184	Dissolved	100-NR-2	FALSE		159.30			1	0	0	1				Unsuccessful			IN-USE
199-N-189	Dissolved	100-NR-2	FALSE		983.16			1	1	0	0				Unsuccessful			IN-USE
199-N-19	Dissolved	100-NR-2	FALSE	TU	46.71	19.00	0.69	8	2	4	2	23			Unsuccessful			IN-USE
199-N-2	Dissolved	100-NR-2	FALSE	TU	162.72	26.00	0.96	11	4	0	7	1077			Unsuccessful			IN-USE
199-N-21	Dissolved	100-NR-2	FALSE	TU	56.84	23.00	0.73	4	1	3	0	11			Unsuccessful			IN-USE
199-N-26	Dissolved	100-NR-2	FALSE	TU	68.55	0.00	0.75	1	1	0	0	735	735	0	Unsuccessful			DECOMMISSIONED-V
199-N-28	Dissolved	100-NR-2	FALSE	TU	773.90	123.00	0.65	3	0	3	0	28	28	0	Unsuccessful			IN-USE
199-N-3	Dissolved	100-NR-2	FALSE	TU	96.49	18.00	0.96	10	4	6	0	1081			Unsuccessful	0.679	1.000	IN-USE
199-N-32	Dissolved	100-NR-2	FALSE	TU	597.15	63.00	0.93	6	4	2	0	30	30	0	Unsuccessful			IN-USE
199-N-347	Dissolved	100-NR-2	FALSE	TU	7.99			3	0	2	1				Unsuccessful			IN-USE
199-N-348	Dissolved	100-NR-2	FALSE	TU	11.40			3	0	2	1				Unsuccessful			IN-USE
199-N-349	Dissolved	100-NR-2	FALSE	TU	12.72			3	0	2	1				Unsuccessful			IN-USE
199-N-350	Dissolved	100-NR-2	FALSE	TU	2.68			3	0	3	0				Unsuccessful			IN-USE
199-N-351	Dissolved	100-NR-2	FALSE	TU	0.00			4	0	4	0				Unsuccessful			IN-USE
199-N-352	Dissolved	100-NR-2	FALSE	TU	1.18			3	0	3	0				Unsuccessful			IN-USE
199-N-353	Dissolved	100-NR-2	FALSE	TU	0.00			3	0	3	0				Unsuccessful			IN-USE
199-N-41	Dissolved	100-NR-2	FALSE	TU	679.36	35.00	0.91	2	1	1	0	27	9	18	Unsuccessful			IN-USE
199-N-46	Dissolved	100-NR-2	FALSE	TU	14.06	7.00	0.92	19	8	5	6	40			Unsuccessful	0.707	0.943	IN-USE
199-N-50	Dissolved	100-NR-2	FALSE	TU	413.89	16.00	0.97	4	1	2	1	942	942	0	Unsuccessful			IN-USE
199-N-51	Dissolved	100-NR-2	FALSE	TU	65.23	18.00	0.82	3	1	1	1	24	24	0	Unsuccessful			IN-USE
199-N-52	Dissolved	100-NR-2	FALSE	TU	1060.24	89.00	0.82	1	0	0	1	16	0	16	Unsuccessful			IN-USE
199-N-56	Dissolved	100-NR-2	FALSE	TU	193.14	32.00	0.96	2	2	0	0	23	15	8	Unsuccessful			IN-USE
199-N-57	Dissolved	100-NR-2	FALSE	TU	301.04	49.00	0.92	4	4	0	0	33	29	4	Unsuccessful			IN-USE
199-N-64	Dissolved	100-NR-2	FALSE	TU	429.67			1	0	1	0	8	5	3	Unsuccessful			IN-USE
199-N-67	Dissolved	100-NR-2	FALSE	TU	218.55	33.00	0.95	14	5	7	2	43	43	0	Unsuccessful	0.529	0.755	IN-USE
199-N-69	Dissolved	100-NR-2	FALSE	MU	206.88			3	2	1	0	4	0	4	Unsuccessful			IN-USE
199-N-71	Dissolved	100-NR-2	FALSE	TU	751.08	81.00	0.91	6	3	3	0	1039	1039	0	Unsuccessful	0.002	0.100	IN-USE
199-N-72	Dissolved	100-NR-2	FALSE	TU	361.61	45.00	0.94	6	4	1	1	855	855	0	Unsuccessful			IN-USE
199-N-74	Dissolved	100-NR-2	FALSE	TU	953.39	97.00	0.91	5	3	2	0	30	30	0	Unsuccessful			IN-USE
199-N-75	Dissolved	100-NR-2	FALSE	TU	86.93	24.00	0.94	7	2	2	3	15	15	0	Unsuccessful			IN-USE
199-N-76	Dissolved	100-NR-2	FALSE	TU	85.22	15.00	0.94	3	1	2	0	437	437	0	Unsuccessful			IN-USE
199-N-77	Dissolved	100-NR-2	FALSE	MU	371.61	49.00	0.90	1	1	0	0	22	0	22	Unsuccessful			IN-USE
199-N-80	Dissolved	100-NR-2	FALSE	MU	107.21	0.00	0.82	1	0	0	1	20			Unsuccessful			IN-USE
199-N-81	Dissolved	100-NR-2	FALSE	TU	603.35	53.00	0.83	6	4	1	1	28	28	0	Unsuccessful			IN-USE
199-N-92A	Dissolved	100-NR-2	FALSE	TU	6.01	9.00	0.81	8	1	6	1	950			Unsuccessful			IN-USE
199-N-96A	Dissolved	100-NR-2	FALSE	TU	4.53	11.00	0.85	27	8	10	9	48			Successful	0.000	0.000	IN-USE
199-N-99A	Dissolved	100-NR-2	FALSE	TU	7.18	3.00	0.92	23	8	8	7	1095			Unsuccessful	0.814	0.798	IN-USE
399-1-1	Dissolved	300-FF-5	FALSE	TU	49.65	16.00	0.92	9	6	1	2	29			Successful			IN-USE
399-1-10A	Dissolved	300-FF-5	FALSE	TU	35.48	9.00	0.85	40	17	18	5	77	77	0	Successful	0.059	0.128	IN-USE
399-1-10B	Dissolved	300-FF-5	FALSE	LU	31.10	5.00	0.86	9	4	3	2	47	0	47	Successful	0.317	0.400	IN-USE
399-1-11	Dissolved	300-FF-5	FALSE	TU	281.08	25.00	0.83	10	6	2	2	27	27	0	Unsuccessful			IN-USE
399-1-12	Dissolved	300-FF-5	FALSE	UU	362.68	5.00	0.91	9	5	2	2	25	0	25	Unsuccessful			IN-USE
399-1-15	Dissolved	300-FF-5	FALSE	TU	362.21	5.00	0.86	10	6	2	2	26	26	0	Unsuccessful			IN-USE
399-1-16A	Dissolved	300-FF-5	FALSE	TU	119.70	9.00	0.85	40	17	17	6	76	76	0	Unsuccessful	0.472	0.302	IN-USE
399-1-16B	Dissolved	300-FF-5	FALSE	LU	114.34	2.00	0.88	11	5	3	3	56	0	56	Unsuccessful	0.305	1.000	IN-USE
399-1-16C	Dissolved	300-FF-5	FALSE	CR	126.71			4	1	1	2	6			Unsuccessful			IN-USE
399-1-17A	Dissolved	300-FF-5	FALSE	TU	316.13	12.00	0.89	39	17	16	6	76	76	0	Unsuccessful	0.577	0.387	IN-USE

X-1 Tabulated Summary (narrow)

WELL NAME	ANALYTE	OU	EXTINJ	HGU	DIST TO RIV m	LAG	LAG COR	CHEM N	CHEM N HIGH	CHEM N LOW	CHEM N INTERMEDIATE	WL N	WL N INSCREEN	WL N NOTINSCREEN	RIVER TREND ESTIMATION	HIGH LOW STAGE TTEST	HIGH LOW STAGE MANN WHITNEY	WELL STATUS
399-1-17B	Dissolved	300-FF-5	FALSE	MU	323.25	7.00	0.91	9	4	2	3	56	0	56	Unsuccessful			IN-USE
399-1-17C	Dissolved	300-FF-5	FALSE	CR	325.08	42.00	0.49	4	1	1	2	20	0	20	Unsuccessful			IN-USE
399-1-18A	Dissolved	300-FF-5	FALSE	TU	446.99	17.00	0.91	8	4	3	1	61	61	0	Unsuccessful	0.322	0.343	IN-USE
399-1-18B	Dissolved	300-FF-5	FALSE	MU	451.64	11.00	0.92	18	7	7	4	57	0	57	Unsuccessful	0.587	0.688	IN-USE
399-1-18C	Dissolved	300-FF-5	FALSE	LU	445.43	7.00	0.93	5	0	1	4	19	0	19	Unsuccessful			IN-USE
399-1-2	Dissolved	300-FF-5	FALSE	TU	365.53	10.00	0.93	11	6	3	2	40			Unsuccessful	0.333	0.548	IN-USE
399-1-21A	Dissolved	300-FF-5	FALSE	TU	322.66	10.00	0.94	21	10	9	2	42	42	0	Unsuccessful	0.767	0.234	IN-USE
399-1-21B	Dissolved	300-FF-5	FALSE	LU	328.47	11.00	0.98	9	6	1	2	11	0	11	Unsuccessful			IN-USE
399-1-23	Dissolved	300-FF-5	FALSE	TU	309.84	10.00	0.91	16	4	9	3	31	31	0	Unsuccessful	0.324	0.246	IN-USE
399-1-54	Dissolved	300-FF-5	FALSE		116.49			2	0	2	0	2	2	0	Unsuccessful			IN-USE
399-1-55	Dissolved	300-FF-5	FALSE		270.15			2	0	2	0	2	0	2	Unsuccessful			IN-USE
399-1-56	Dissolved	300-FF-5	FALSE		290.99			2	0	2	0	2	2	0	Unsuccessful			IN-USE
399-1-57	Dissolved	300-FF-5	FALSE		64.96			2	0	2	0	2	0	2	Unsuccessful			IN-USE
399-1-58	Dissolved	300-FF-5	FALSE		526.82			2	0	2	0	3	1	2	Unsuccessful			IN-USE
399-1-59	Dissolved	300-FF-5	FALSE		416.65			2	0	2	0	2	2	0	Unsuccessful			IN-USE
399-1-6	Dissolved	300-FF-5	FALSE	TU	216.53	4.00	0.91	11	5	3	3	27	27	0	Unsuccessful	0.402	0.446	IN-USE
399-1-62	Dissolved	300-FF-5	FALSE		176.90			1	0	1	0	1	1	0	Unsuccessful			IN-USE
399-1-64	Dissolved	300-FF-5	FALSE		295.56			1	0	1	0	1	1	0	Unsuccessful			IN-USE
399-1-7	Dissolved	300-FF-5	FALSE	TU	188.14	13.00	0.95	9	4	3	2	25	25	0	Unsuccessful	0.193	0.400	IN-USE
399-1-8	Dissolved	300-FF-5	FALSE	LU	191.18	6.00	0.96	10	6	2	2	22	0	22	Unsuccessful			IN-USE
399-1-9	Dissolved	300-FF-5	FALSE	CR	194.79	6.00	0.37	8	4	1	3	20	0	20	Unsuccessful			IN-USE
399-2-1	Dissolved	300-FF-5	FALSE	TU	46.90	6.00	0.90	22	10	10	2	40			Unsuccessful	0.056	0.324	IN-USE
399-2-2	Dissolved	300-FF-5	FALSE	TU	77.99	8.00	0.94	10	6	2	2	25	13	12	Unsuccessful			IN-USE
399-2-32	Dissolved	300-FF-5	FALSE		201.42			1	0	1	0	1	1	0	Unsuccessful			IN-USE
399-2-5	Dissolved	300-FF-5	FALSE	TU	233.84	4.00	0.99	13	5	5	3	13	13	0	Unsuccessful	0.578	0.421	IN-USE
399-3-1	Dissolved	300-FF-5	FALSE	TU	52.21	11.00	0.89	9	5	2	2	21			Unsuccessful			IN-USE
399-3-10	Dissolved	300-FF-5	FALSE	TU	51.21	7.00	0.94	18	7	8	3	37	37	0	Unsuccessful	0.000	0.000	IN-USE
399-3-11	Dissolved	300-FF-5	FALSE	TU	270.68	1.00	0.93	10	3	5	2	22	22	0	Unsuccessful	0.410	0.571	DECOMMISSIONED-V
399-3-12	Dissolved	300-FF-5	FALSE	TU	326.21	0.00	0.72	11	4	3	4	29			Unsuccessful	0.822	1.000	IN-USE
399-3-18	Dissolved	300-FF-5	FALSE	TU	64.99	5.00	0.92	39	15	15	9	56	56	0	Unsuccessful	0.601	0.262	IN-USE
399-3-19	Dissolved	300-FF-5	FALSE	TU	452.16	2.00	0.93	13	5	6	2	25	25	0	Unsuccessful	0.146	0.177	IN-USE
399-3-2	Dissolved	300-FF-5	FALSE	TU	642.05	1.00	0.85	8	6	0	2	13			Unsuccessful			IN-USE
399-3-20	Dissolved	300-FF-5	FALSE	TU	201.03	0.00	0.85	20	9	8	3	35	35	0	Unsuccessful	0.215	0.321	IN-USE
399-3-21	Dissolved	300-FF-5	FALSE	LU	195.70	8.00	0.91	4	3	1	0	25	0	25	Unsuccessful			IN-USE
399-3-22	Dissolved	300-FF-5	FALSE	LU	322.20	0.00	0.75	8	4	2	2	13	0	13	Unsuccessful			IN-USE
399-3-33	Dissolved	300-FF-5	FALSE		45.33			2	0	2	0	2	2	0	Unsuccessful			IN-USE
399-3-38	Dissolved	300-FF-5	FALSE		205.42			1	0	1	0	1	0	1	Unsuccessful			IN-USE
399-3-6	Dissolved	300-FF-5	FALSE	TU	607.79	6.00	0.81	14	8	4	2	32			Unsuccessful	0.519	0.780	IN-USE
399-3-9	Dissolved	300-FF-5	FALSE	TU	57.06	0.00	0.81	13	7	3	3	29	19	10	Unsuccessful	0.489	0.383	IN-USE
399-4-1	Dissolved	300-FF-5	FALSE	TU	372.17	3.00	0.92	10	5	2	3	23			Unsuccessful			IN-USE
399-4-10	Dissolved	300-FF-5	FALSE	TU	57.37	21.00	0.85	10	5	2	3	27	27	0	Unsuccessful			IN-USE
399-4-11	Dissolved	300-FF-5	FALSE	TU	498.54	12.00	0.96	5	2	3	0	22	21	1	Unsuccessful			IN-USE
399-4-12	Dissolved	300-FF-5	FALSE	TU	150.61			11	4	4	3				Unsuccessful	0.029	0.029	IN-USE
399-4-14	Dissolved	300-FF-5	FALSE	TU	235.04	3.00	0.80	17	6	7	4	16	16	0	Unsuccessful	0.970	0.461	IN-USE
399-4-15	Dissolved	300-FF-5	FALSE		253.71			2	0	2	0	2	2	0	Unsuccessful			IN-USE
399-4-7	Dissolved	300-FF-5	FALSE	TU	73.63	8.00	0.84	10	6	2	2	26			Unsuccessful			IN-USE
399-4-9	Dissolved	300-FF-5	FALSE	TU	57.63	0.00	0.76	13	7	3	3	27	21	6	Unsuccessful	0.365	0.108	IN-USE
399-5-1	Dissolved	300-FF-5	FALSE	TU	868.77	15.00	0.91	1	0	0	1	17			Unsuccessful			IN-USE

X-1 Tabulated Summary (narrow)

WELL NAME	ANALYTE	OU	EXTINJ	HGU	DIST TO RIV m	LAG	LAG COR	CHEM N	CHEM N HIGH	CHEM N LOW	CHEM N INTERMEDIATE	WL N	WL N INSCREEN	WL N NOTINSCREEN	RIVER TREND ESTIMATION	HIGH LOW STAGE TTEST	HIGH LOW STAGE MANN WHITNEY	WELL STATUS
399-5-2	Dissolved (	1100-EM-1	FALSE	UC	1796.71	86.00	0.56	6	5	1	0	18			Unsuccessful			IN-USE
399-5-4B	Dissolved (	300-FF-5	FALSE	TU	845.04	15.00	0.85	12	5	3	4	25	25	0	Unsuccessful	0.908	0.536	IN-USE
399-6-3	Dissolved (	300-FF-5	FALSE		800.50			1	0	1	0	1	1	0	Unsuccessful			IN-USE
399-6-5	Dissolved (	300-FF-5	FALSE		710.61			1	0	1	0	1	1	0	Unsuccessful			IN-USE
399-8-1	Dissolved (	300-FF-5	FALSE	TU	803.55	13.00	0.92	13	6	5	2	31			Unsuccessful	0.380	0.697	IN-USE
399-8-3	Dissolved (	300-FF-5	FALSE	TU	757.24	17.00	0.92	11	5	3	3	31			Unsuccessful	0.676	1.000	IN-USE
399-8-5A	Dissolved (	300-FF-5	FALSE	TU	1009.13	21.00	0.89	18	8	4	6	36	36	0	Unsuccessful	0.103	0.028	IN-USE
399-8-5C	Dissolved (	300-FF-5	FALSE	CR	1006.73	41.00	0.62	2	2	0	0	16	0	16	Unsuccessful			IN-USE

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X.2 Hi-Low Stage Time Series Graphs and Box Plots (Composite Plots)

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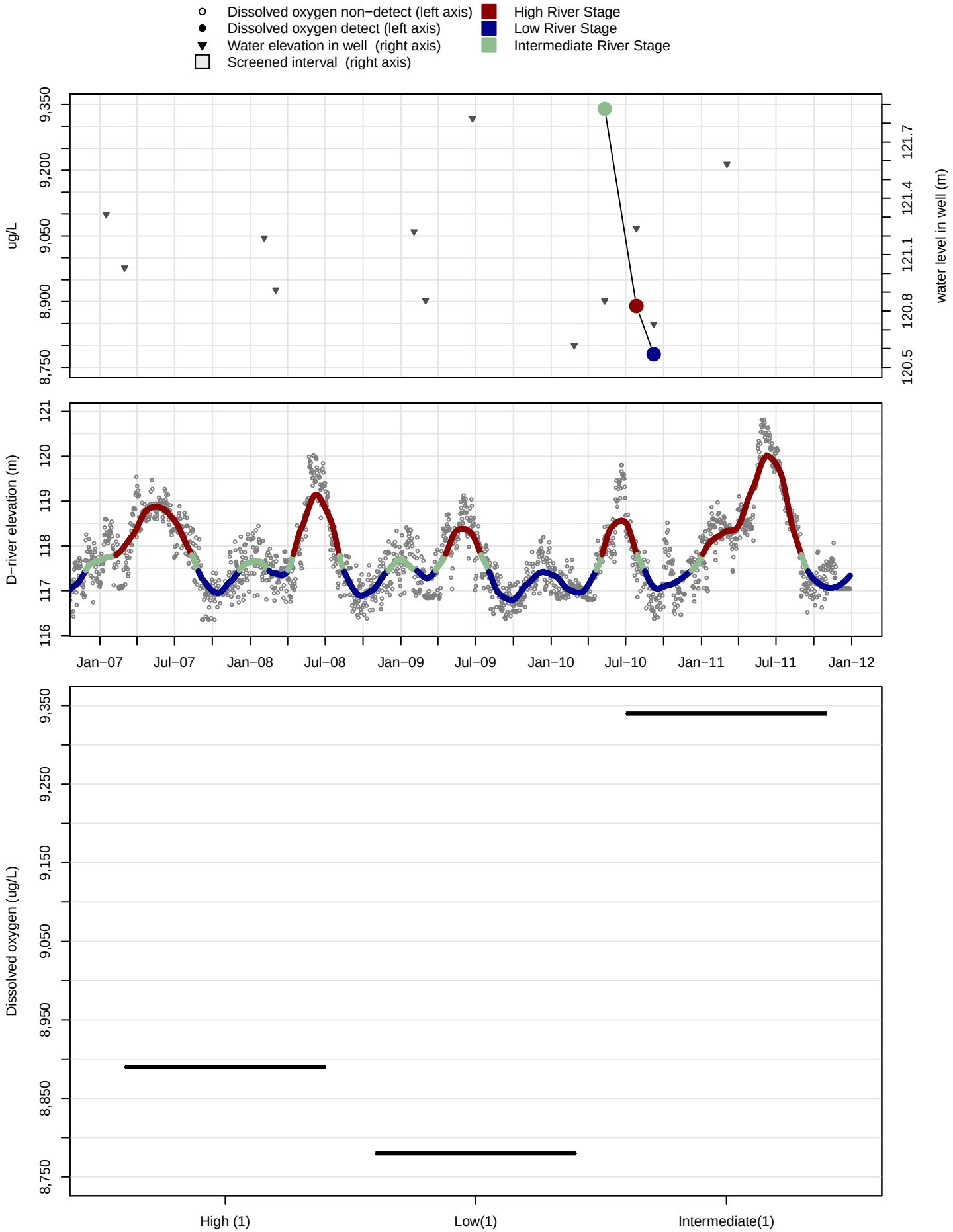
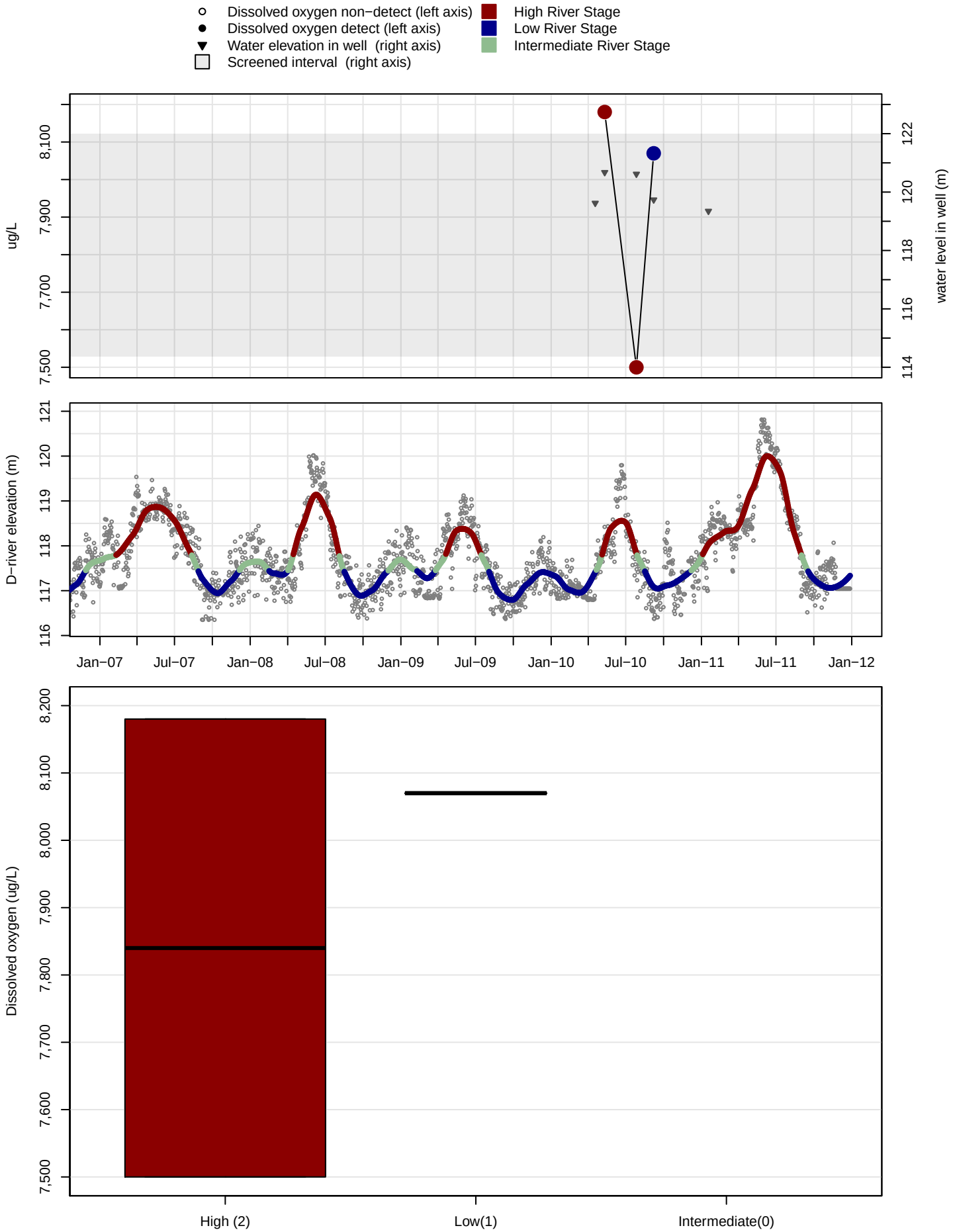
199−B2−13 (109m) Lag (14 Days)



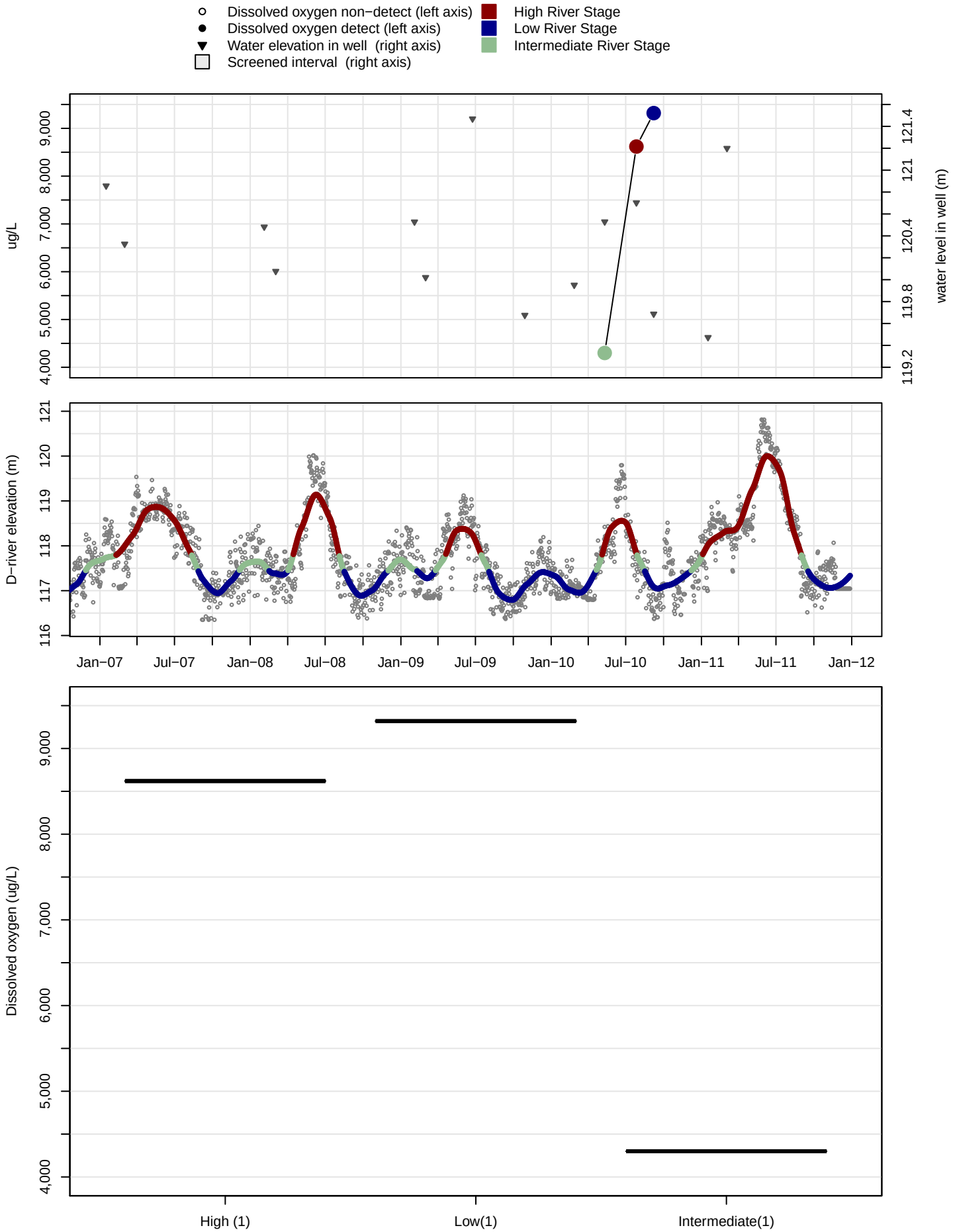
Mann Whitney p = NA t−test p = NA

199−B2−14 (137m) Lag (Indeterminate)



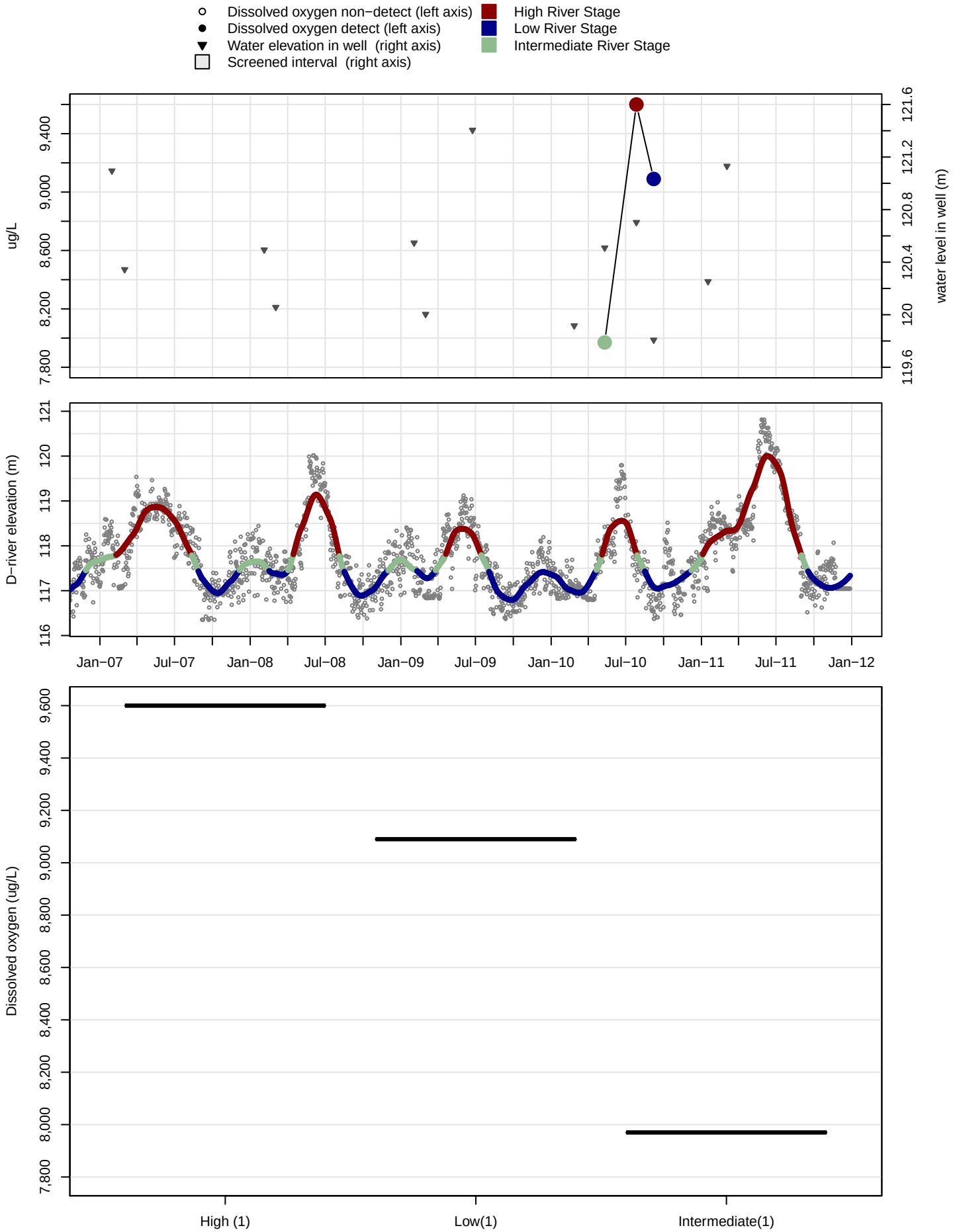
Mann Whitney p = NA t−test p = NA

199−B3−1 (132m) Lag (13 Days)



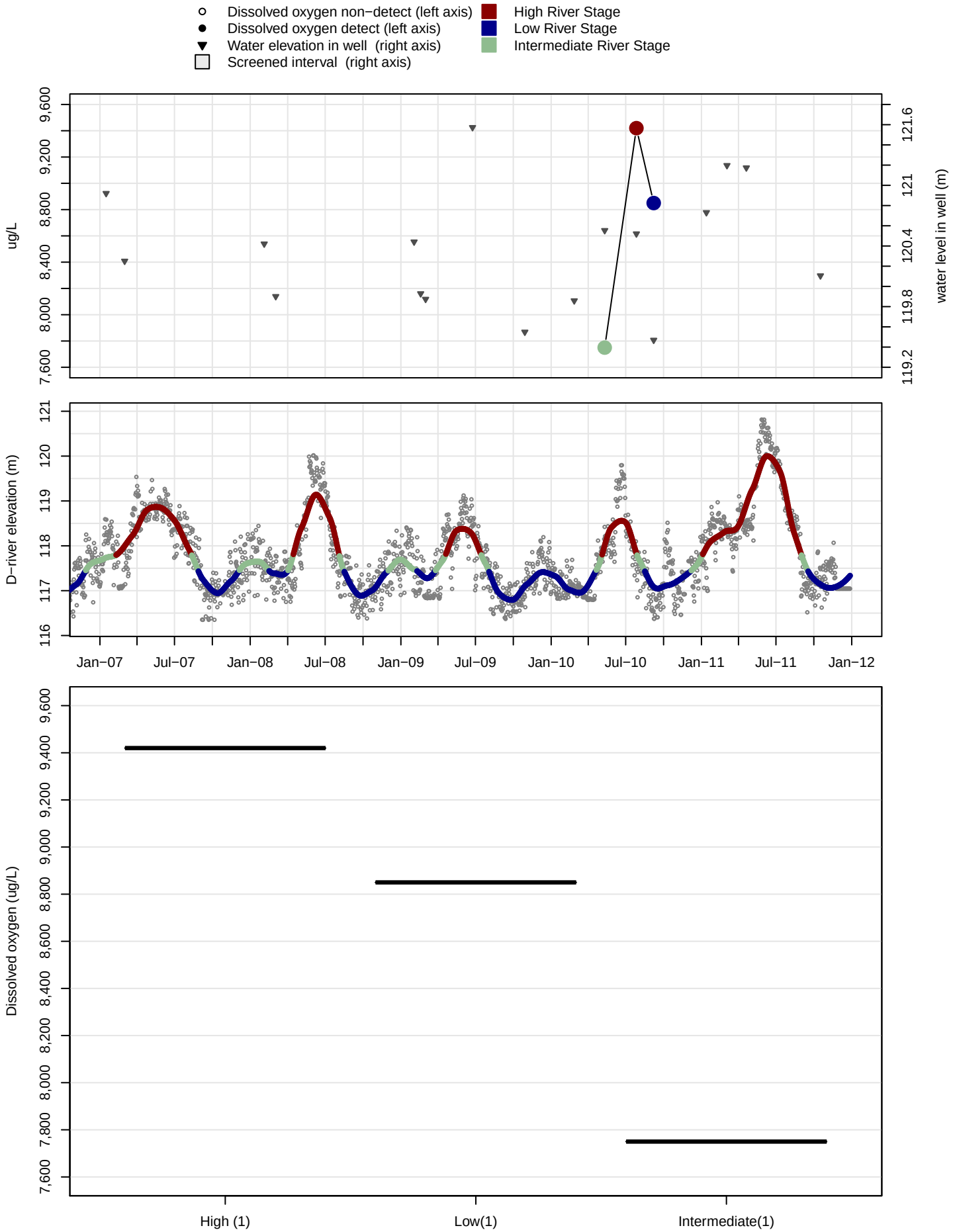
Mann Whitney p = NA t−test p = NA

199−B3−46 (210m) Lag (11 Days)



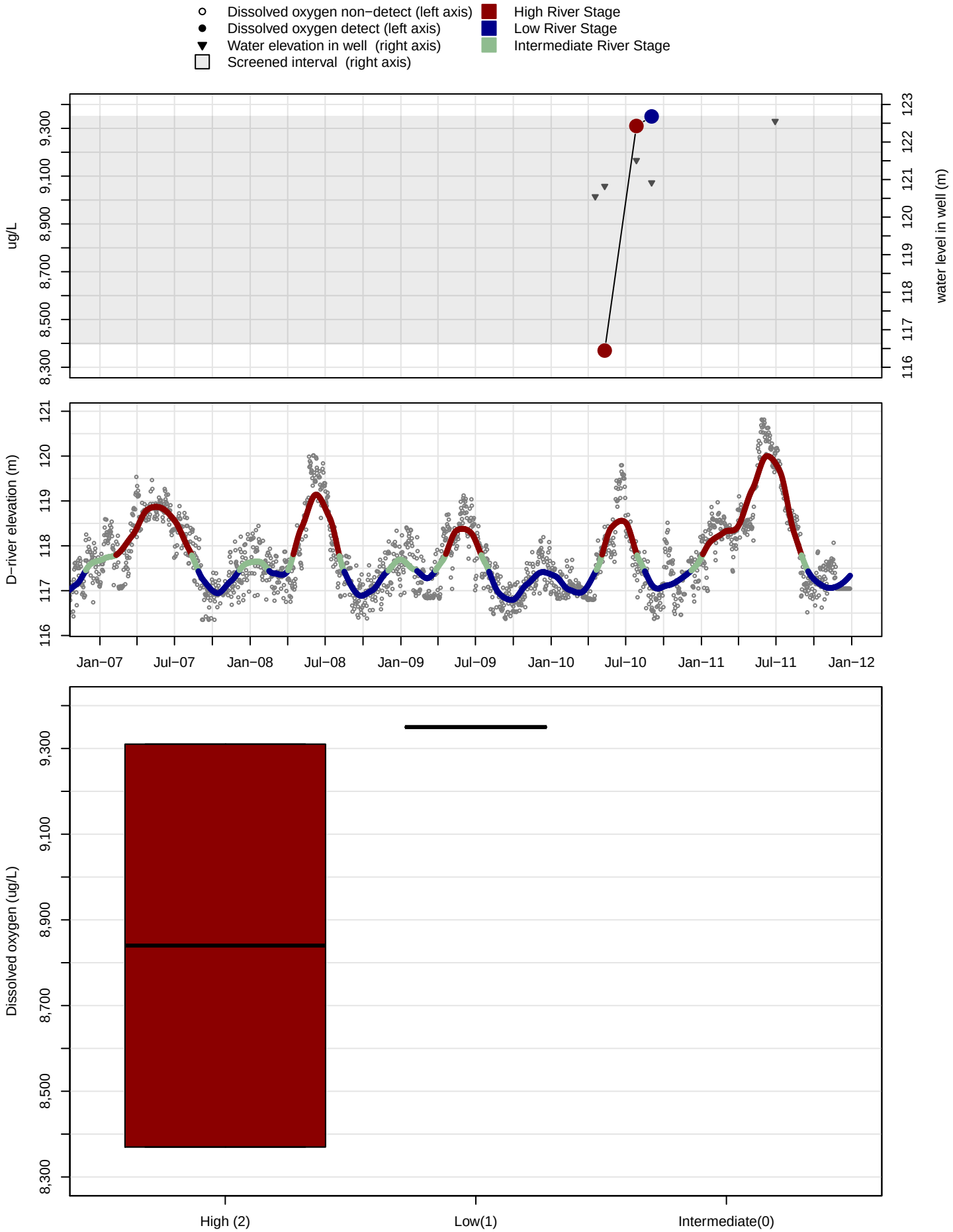
Mann Whitney p = NA t−test p = NA

199−B3−47 (71m) Lag (6 Days)



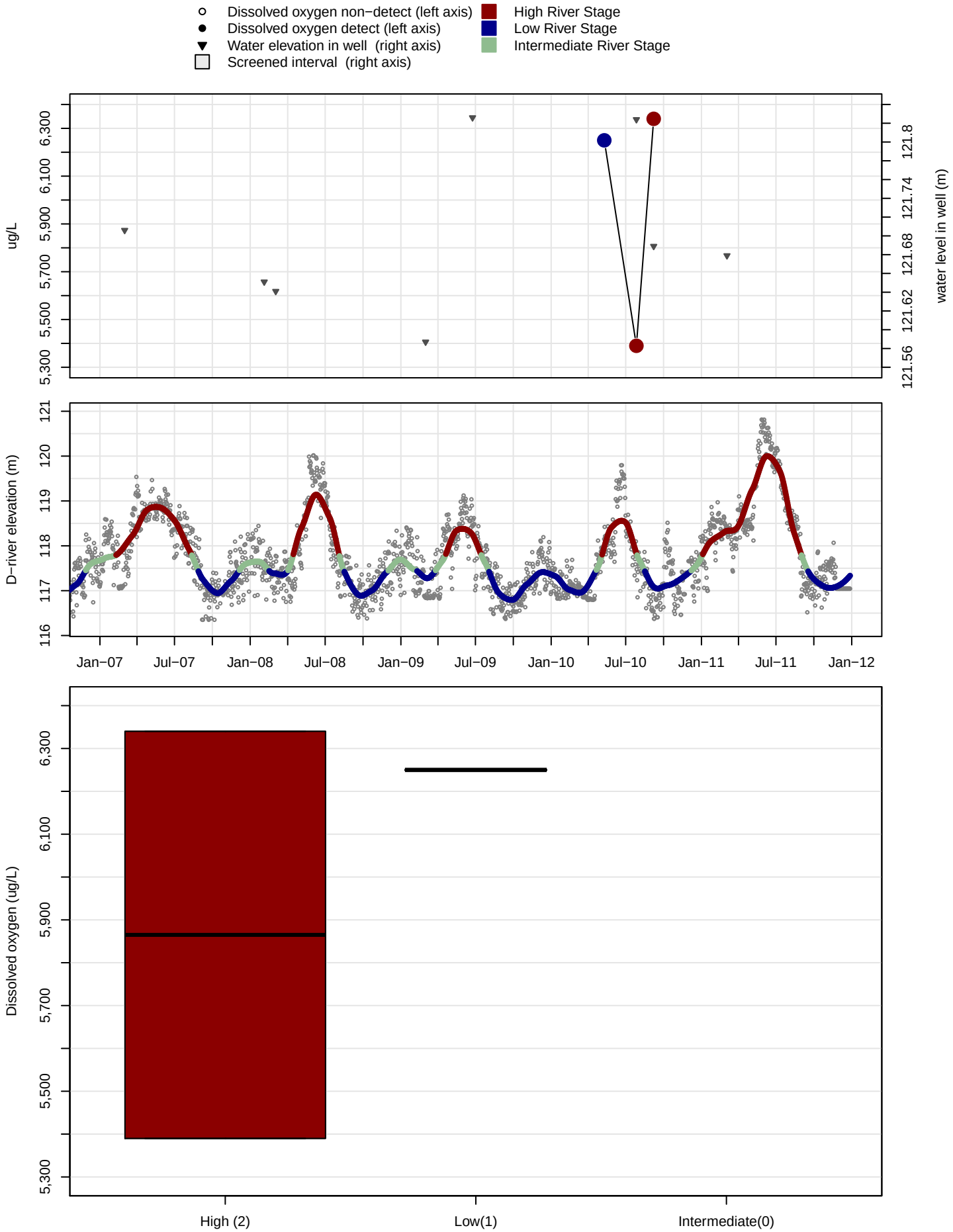
Mann Whitney p = NA t−test p = NA

199−B3−50 (545m) Lag (Indeterminate)



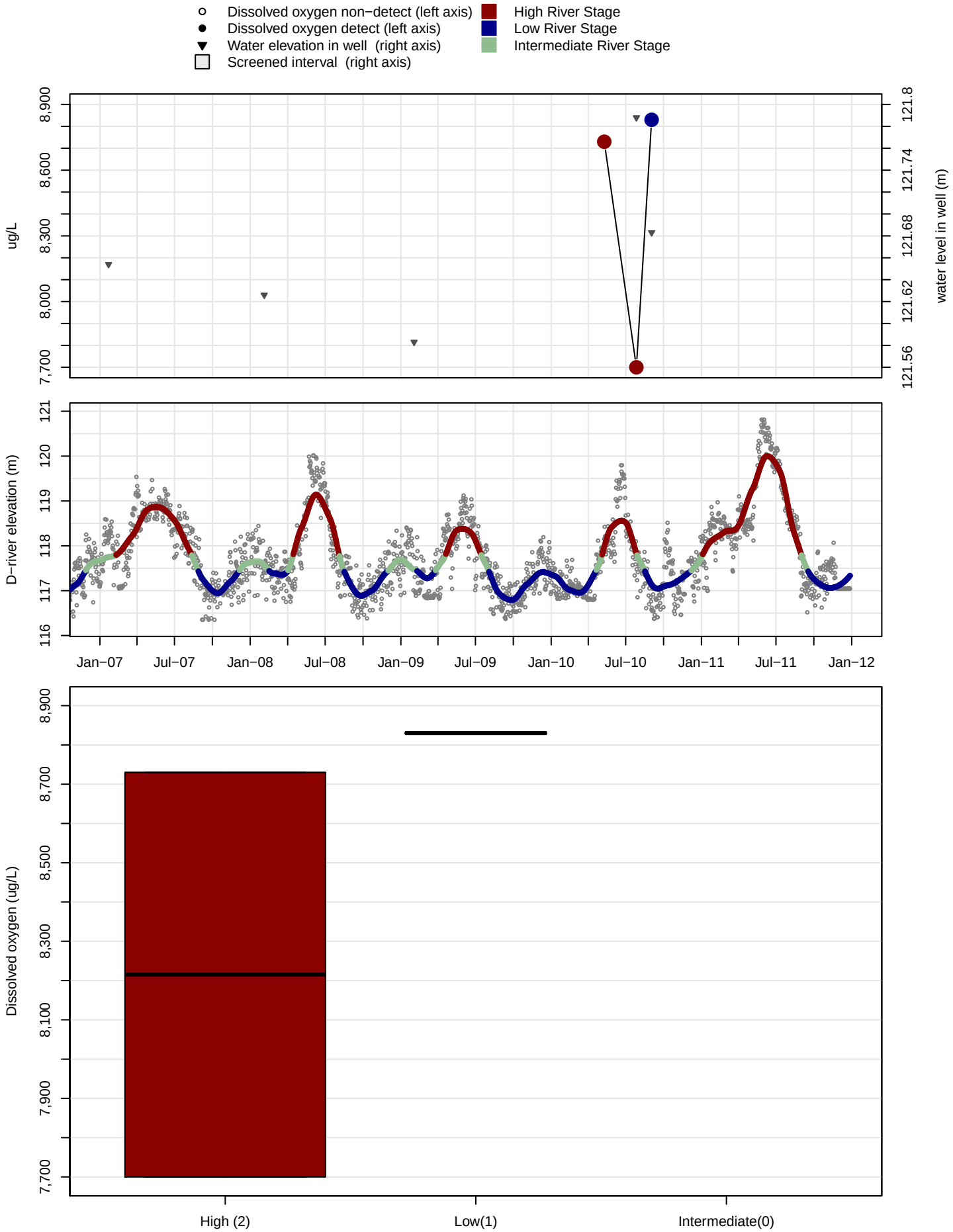
Mann Whitney p = NA t−test p = NA

199−B4−4 (920m) Lag (40 Days)



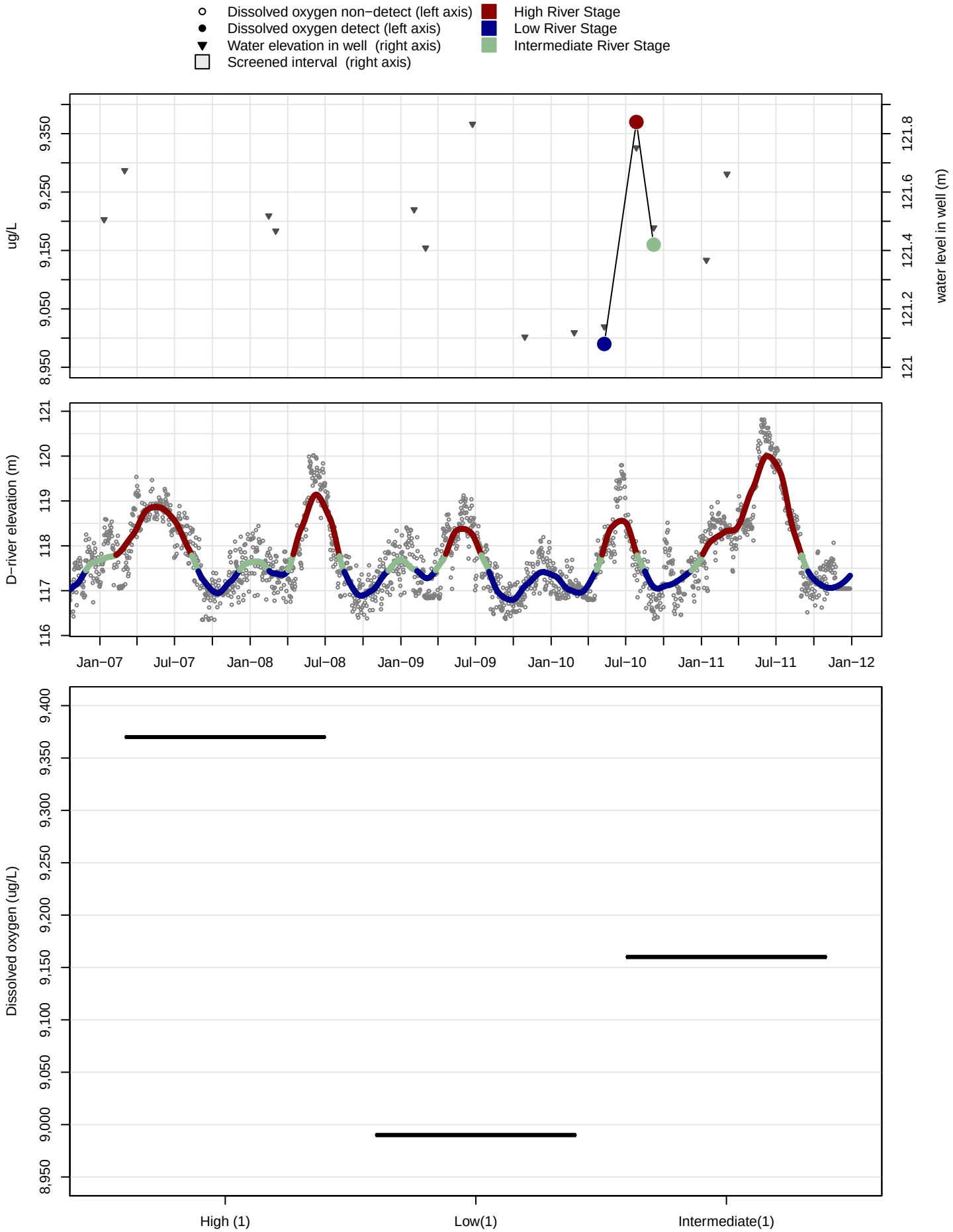
Mann Whitney p = NA t−test p = NA

199−B4−8 (804m) Lag (Indeterminate)



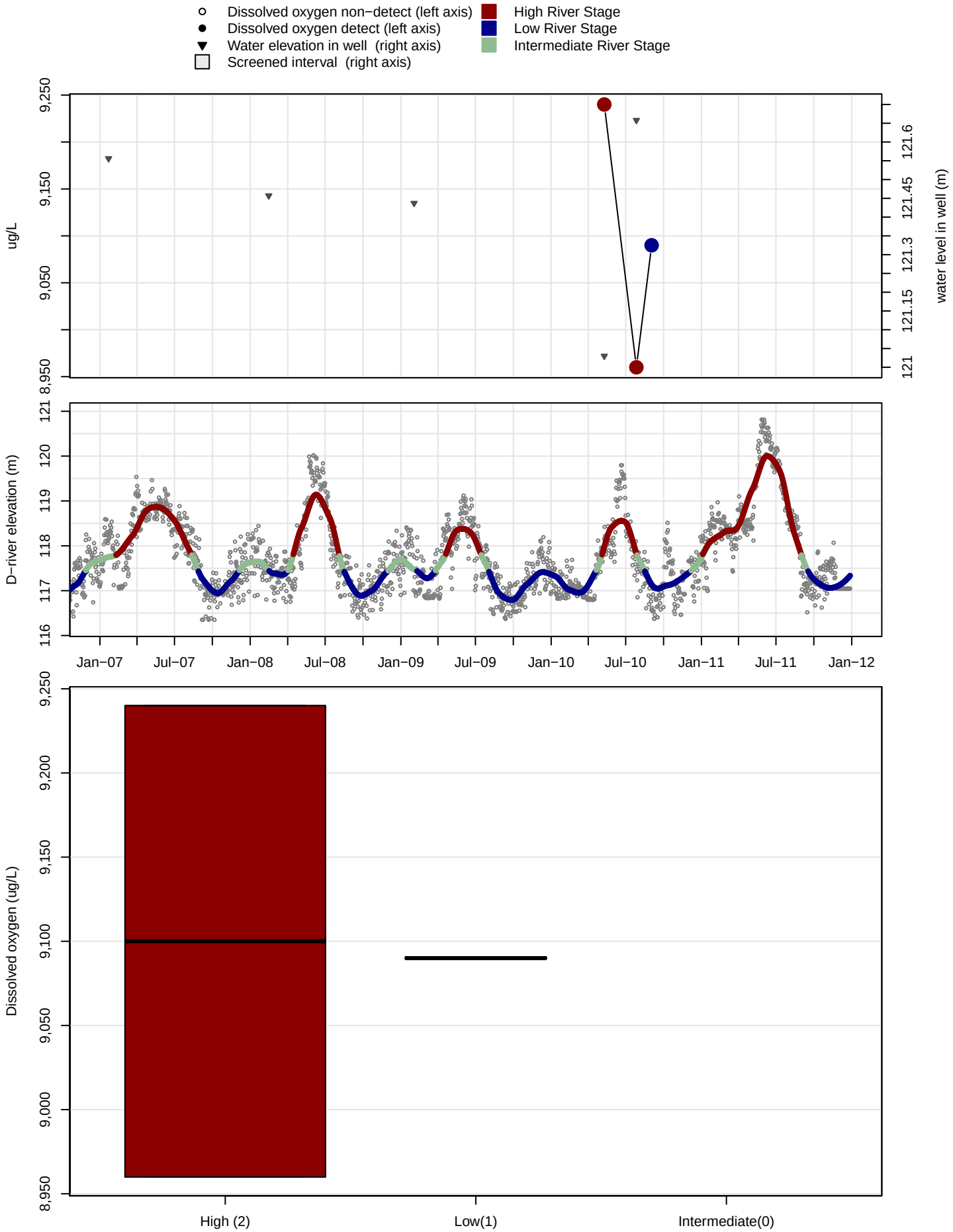
Mann Whitney p = NA t−test p = NA

199−B5−1 (478m) Lag (30 Days)



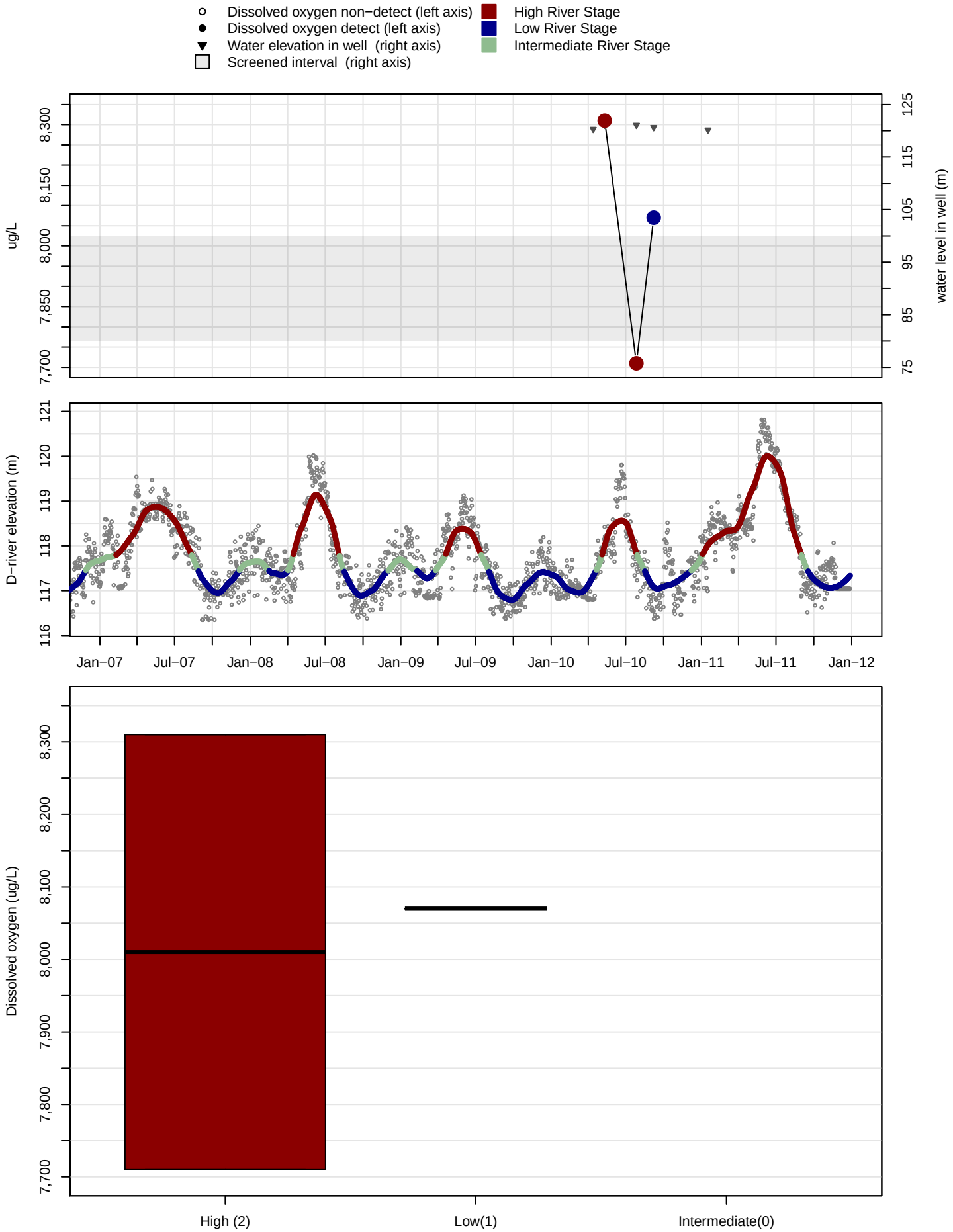
Mann Whitney p = NA t−test p = NA

199−B5−2 (478m) Lag (Indeterminate)



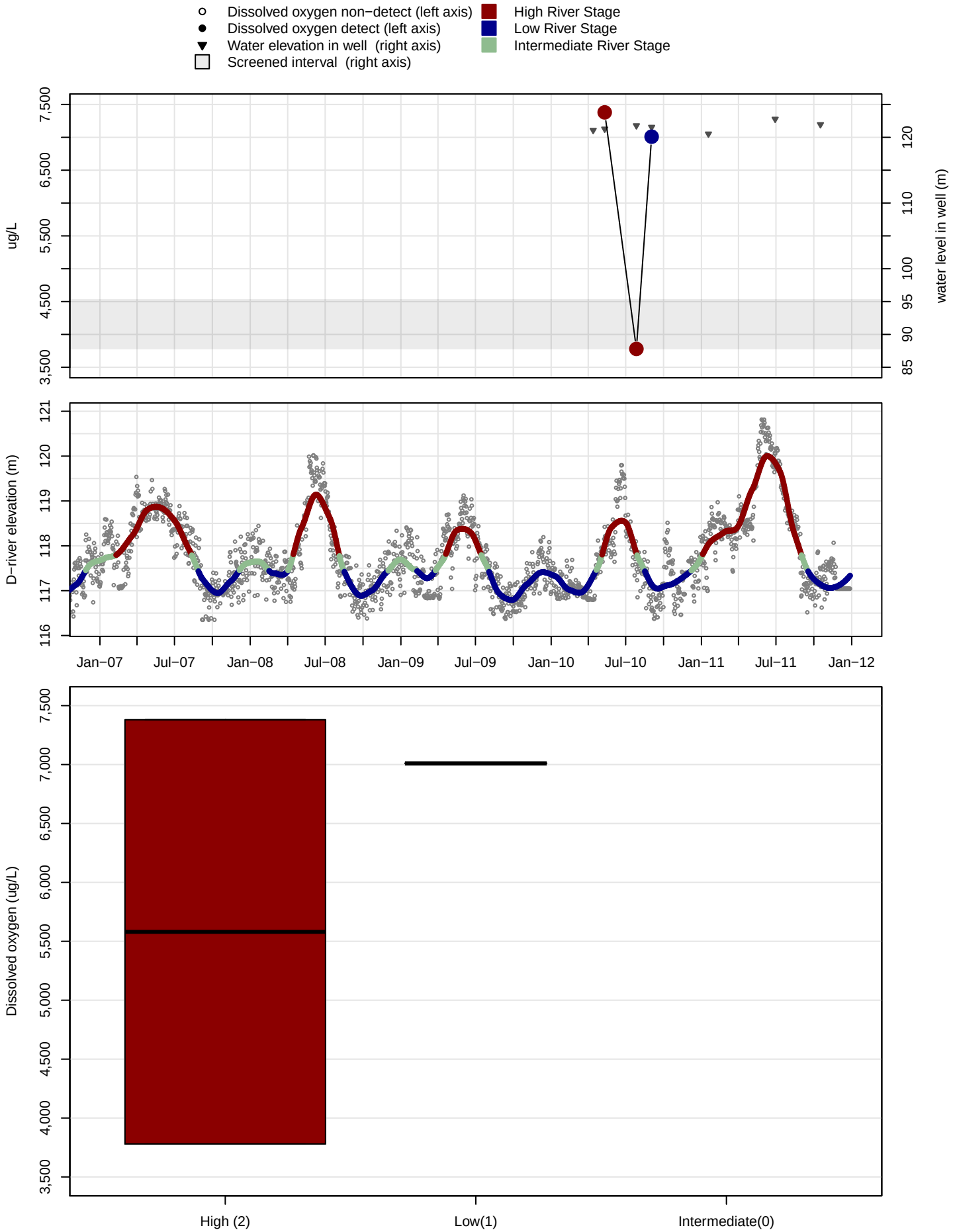
Mann Whitney p = NA t−test p = NA

199−B5−5 (292m) Lag (Indeterminate)



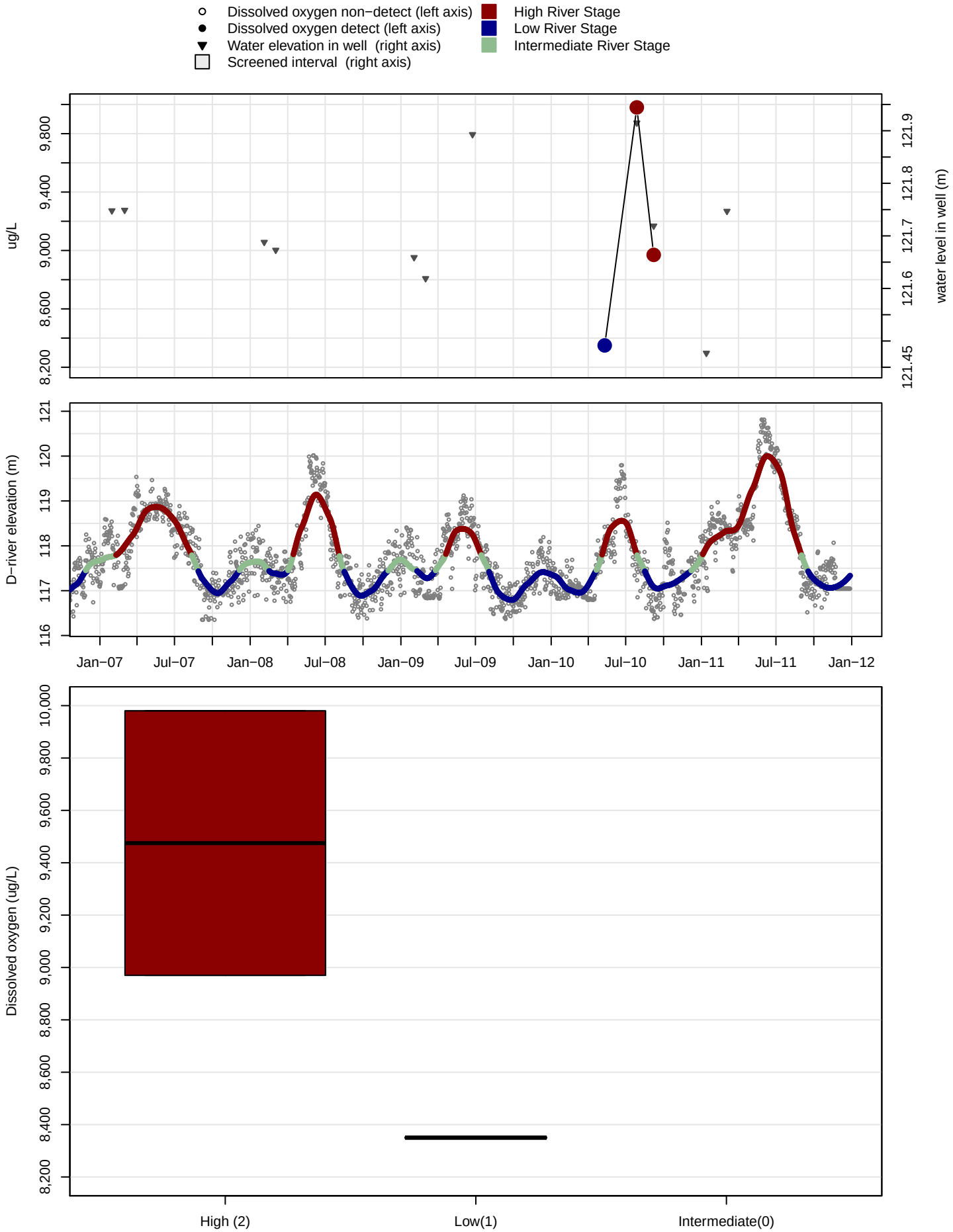
Mann Whitney p = NA t−test p = NA

199−B5−6 (933m) Lag (Indeterminate)



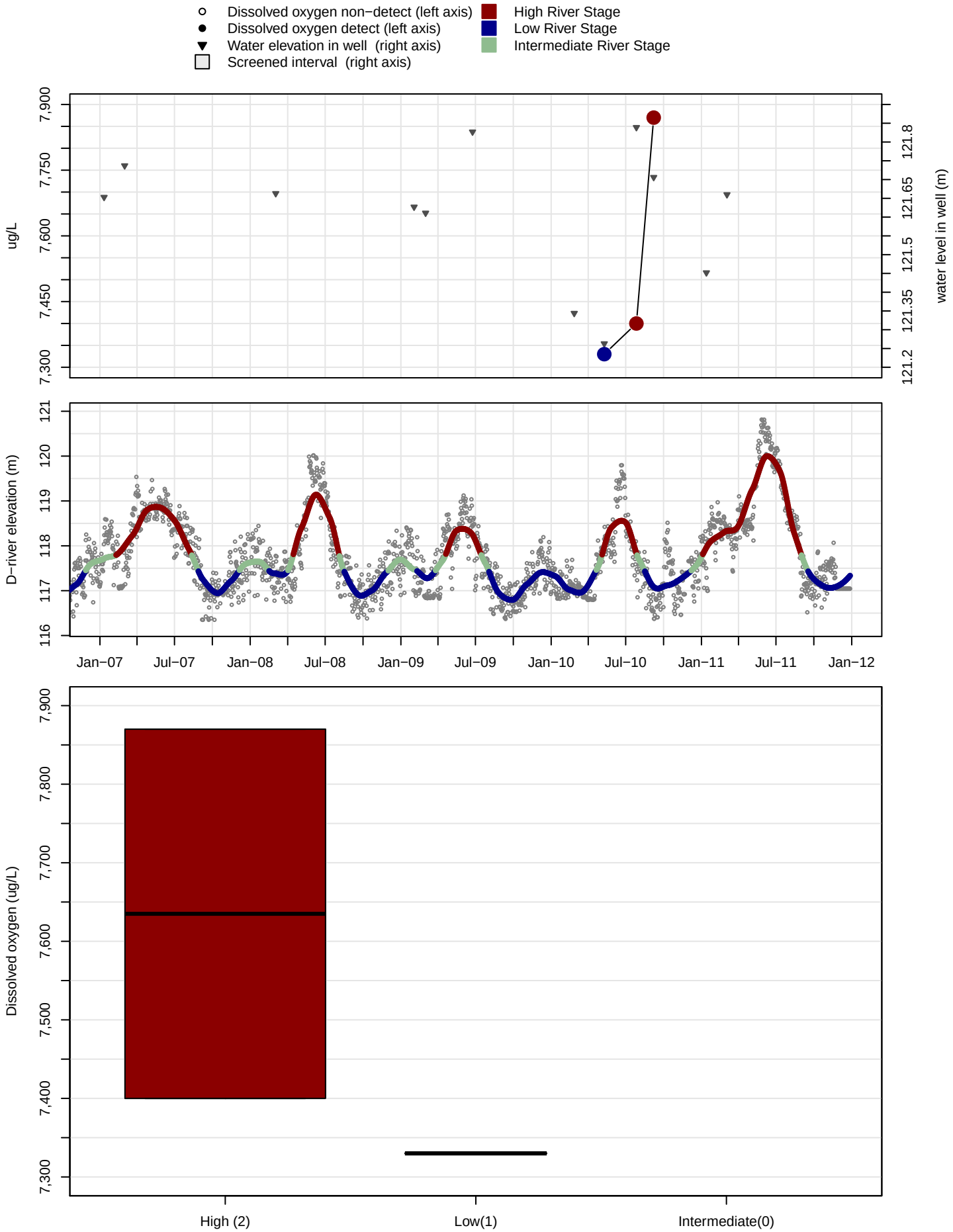
Mann Whitney p = NA t−test p = NA

199−B8−6 (1117m) Lag (41 Days)



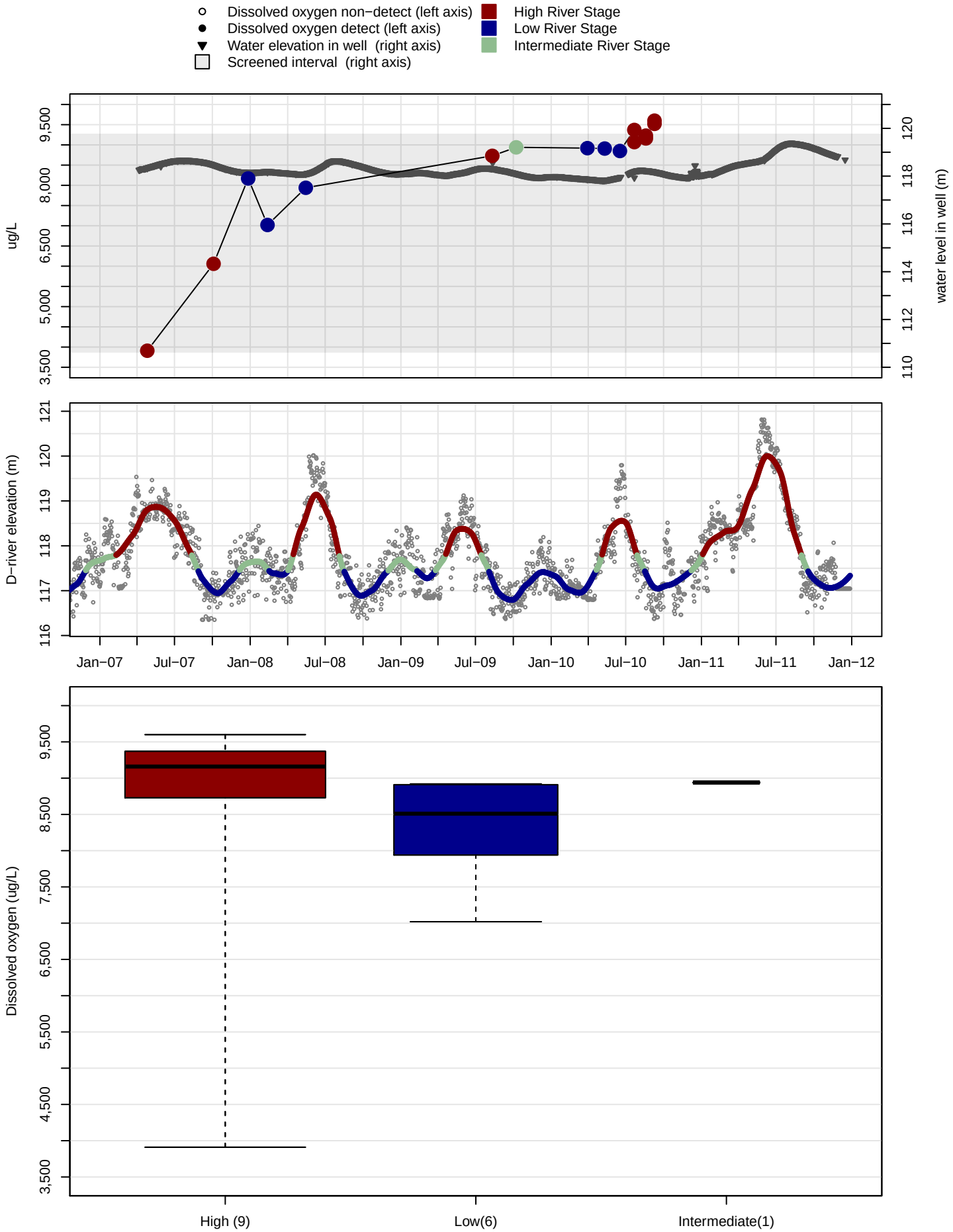
Mann Whitney p = NA t−test p = NA

199−B9−3 (1409m) Lag (44 Days)



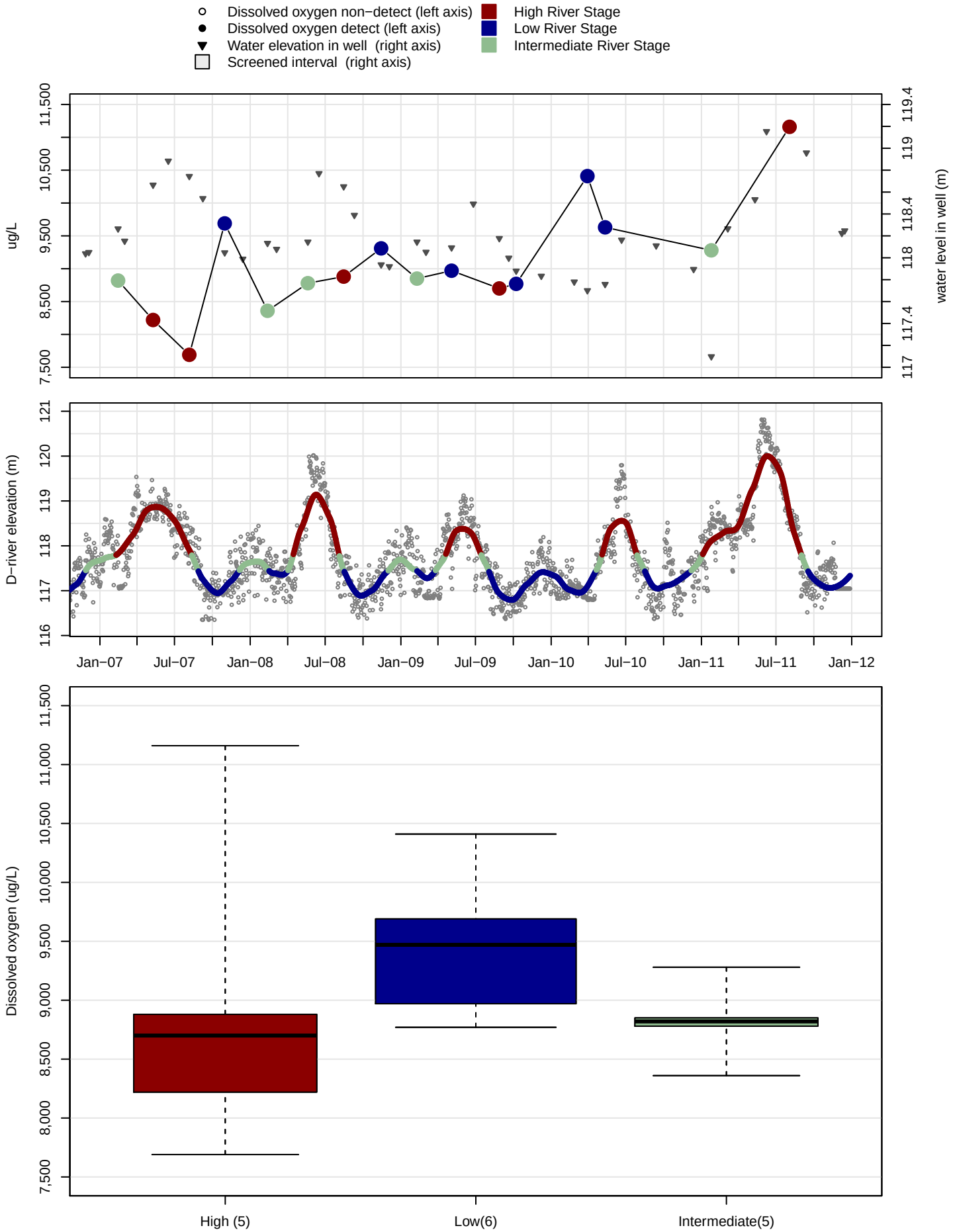
Mann Whitney p = NA t−test p = NA

199−D2−11 (822m) Lag (70 Days)



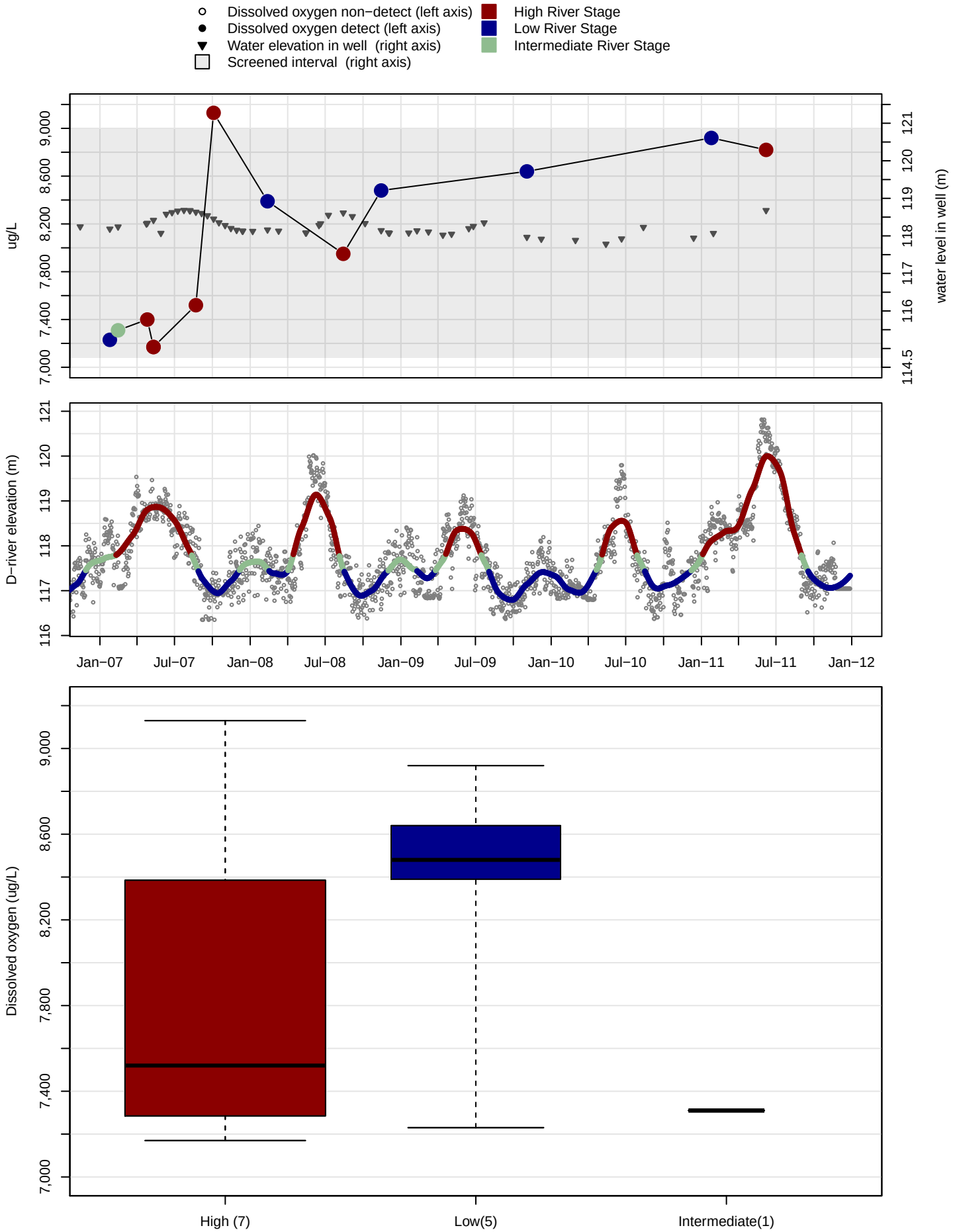
Mann Whitney p = 1.81e−01 t−test p = 9.92e−01

199−D2−6 (614m) Lag (43 Days)



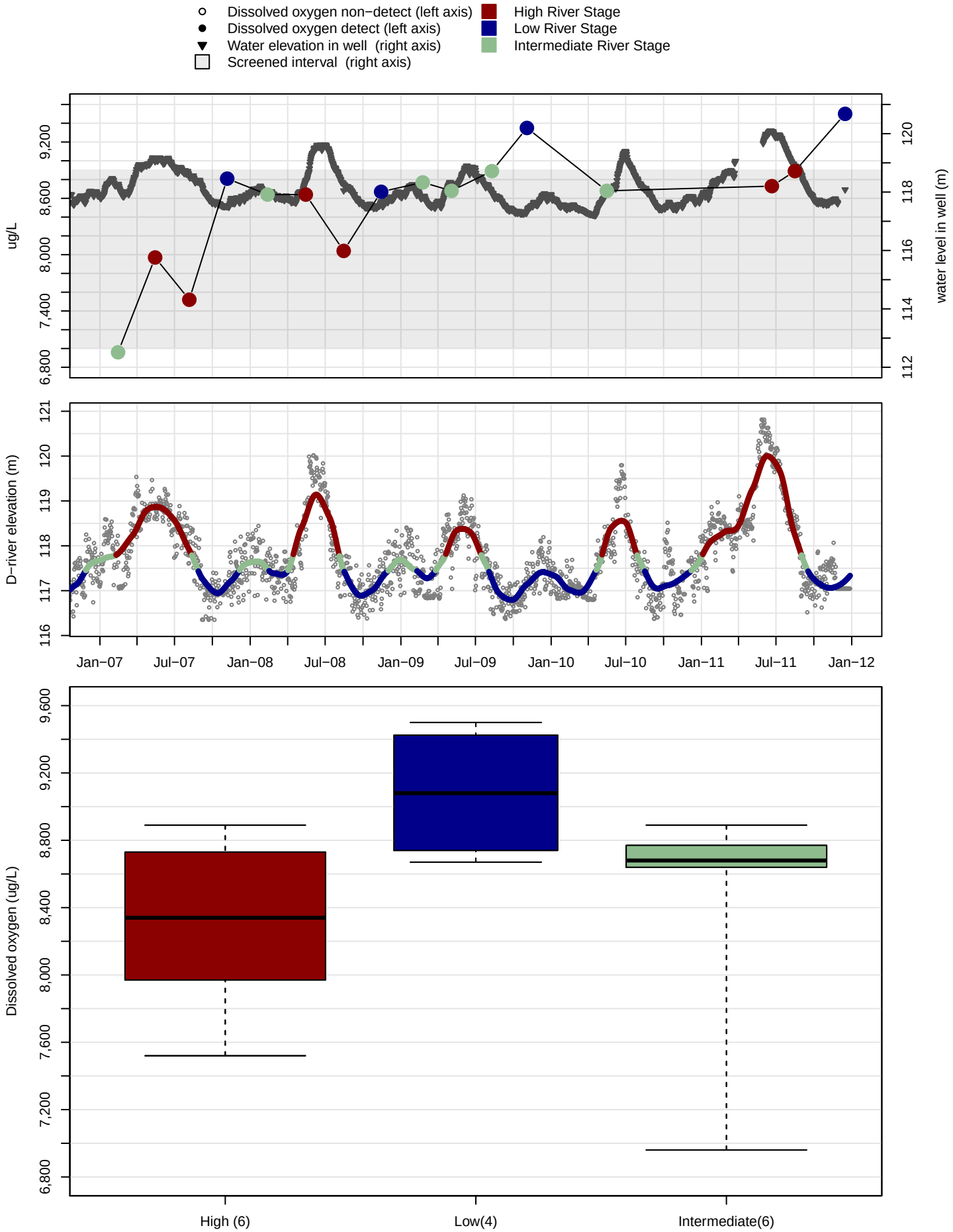
Mann Whitney p = 1.77e−01 t−test p = 4.41e−01

199−D2−8 (713m) Lag (71 Days)



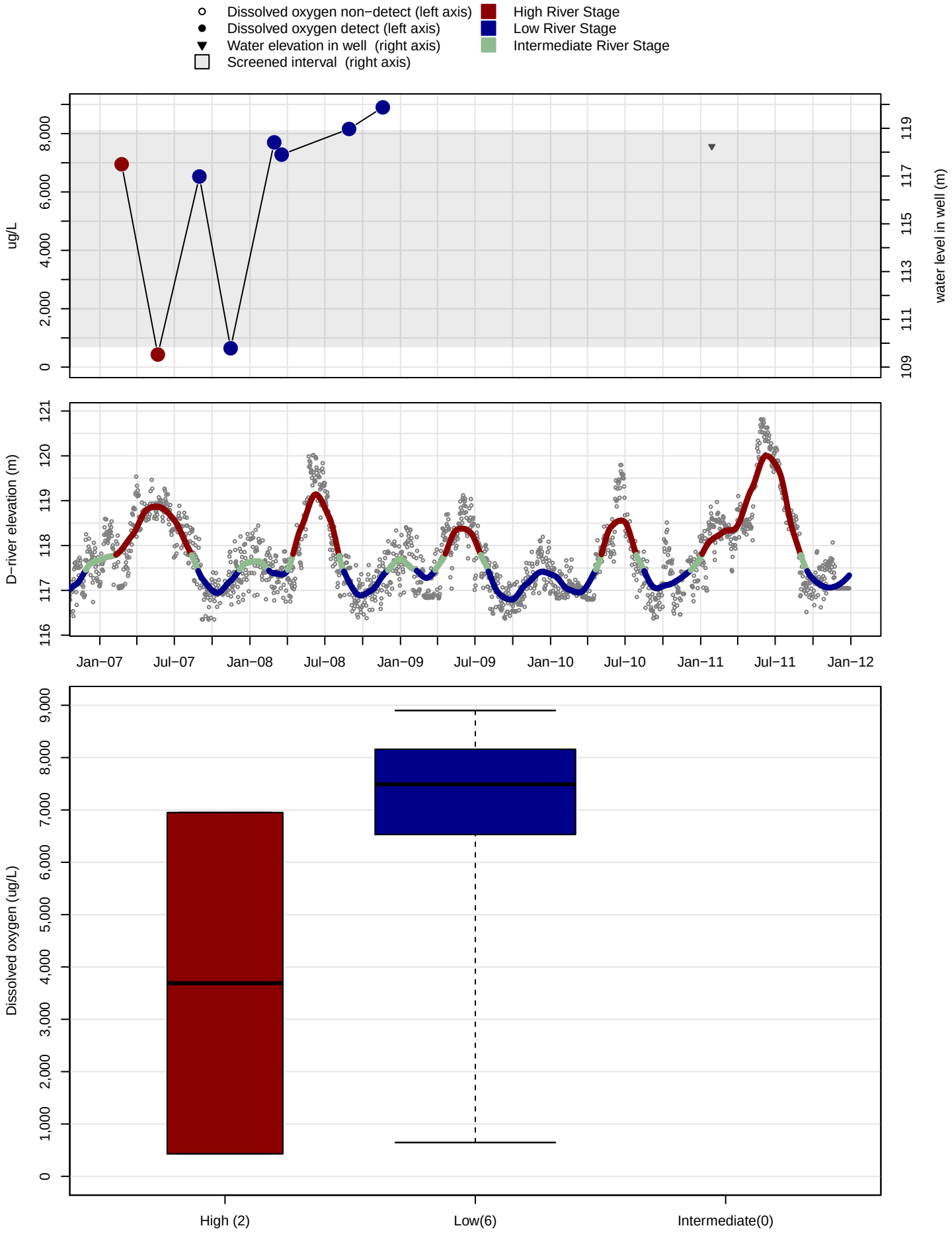
Mann Whitney p = 4.04e−01 t−test p = 3.06e−01

199−D3−2 (181m) Lag (15 Days)



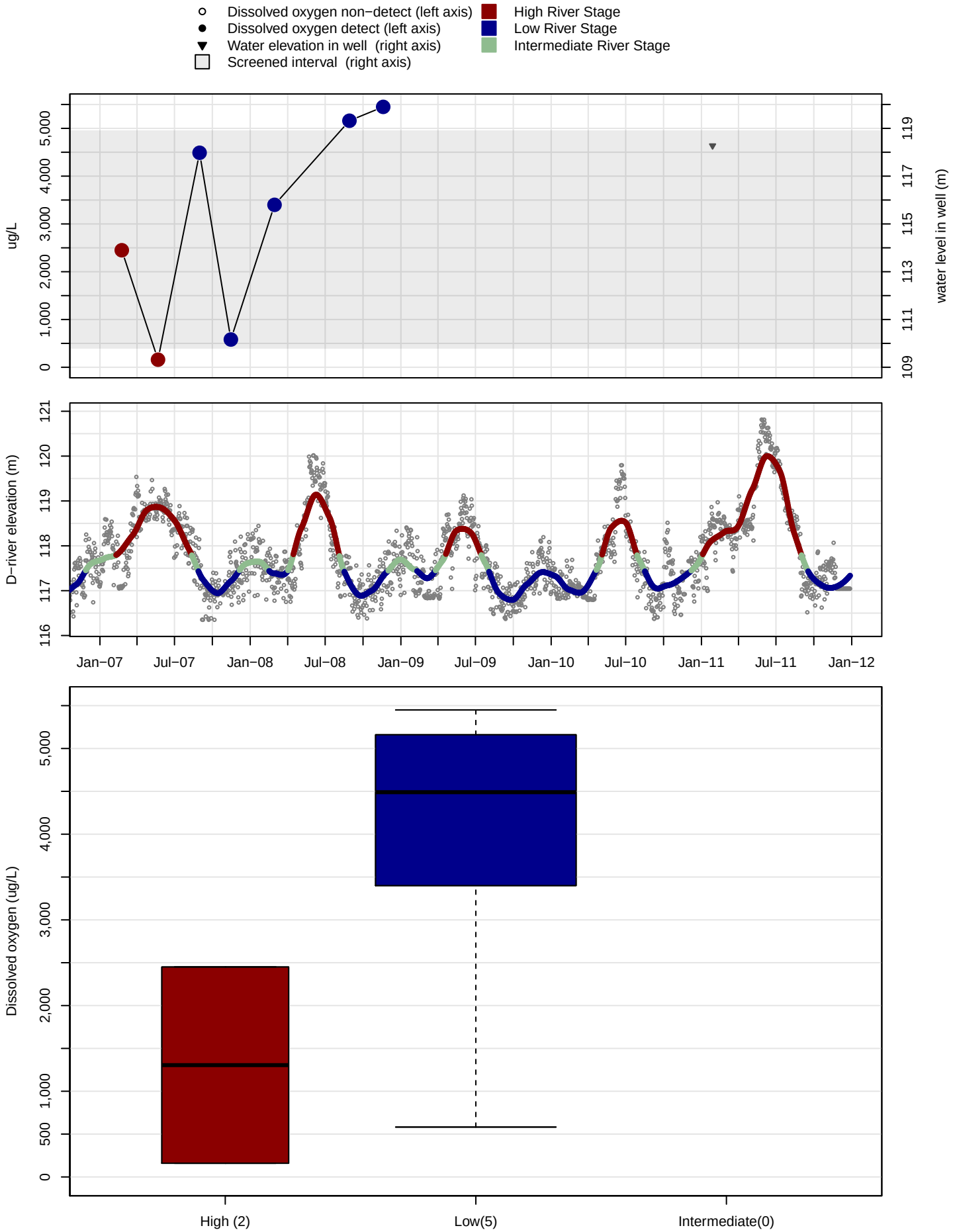
Mann Whitney p = 6.67e−02 t−test p = 3.08e−02

199−D3−3 (189m) Lag (Indeterminate)



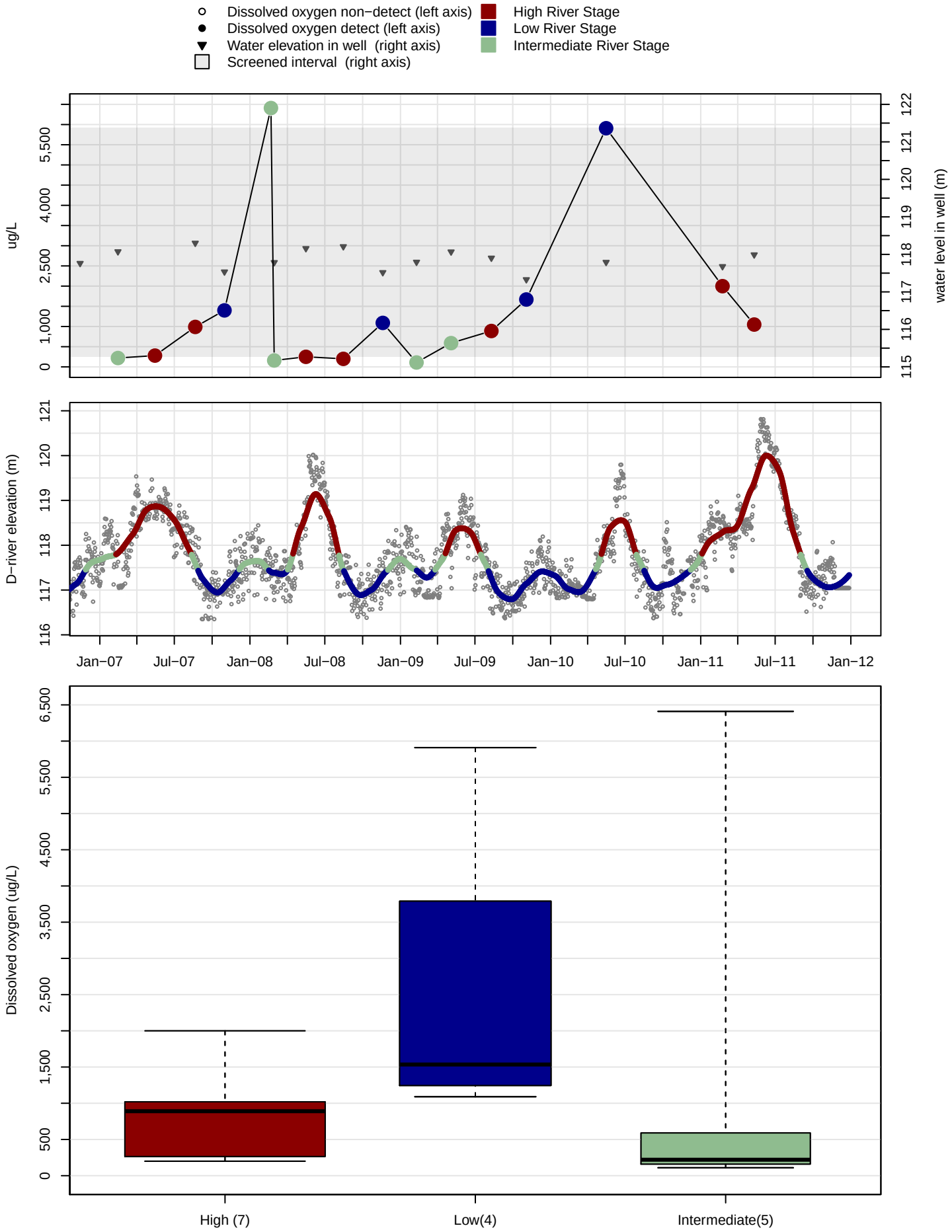
Mann Whitney p = NA t−test p = NA

199−D3−4 (188m) Lag (Indeterminate)



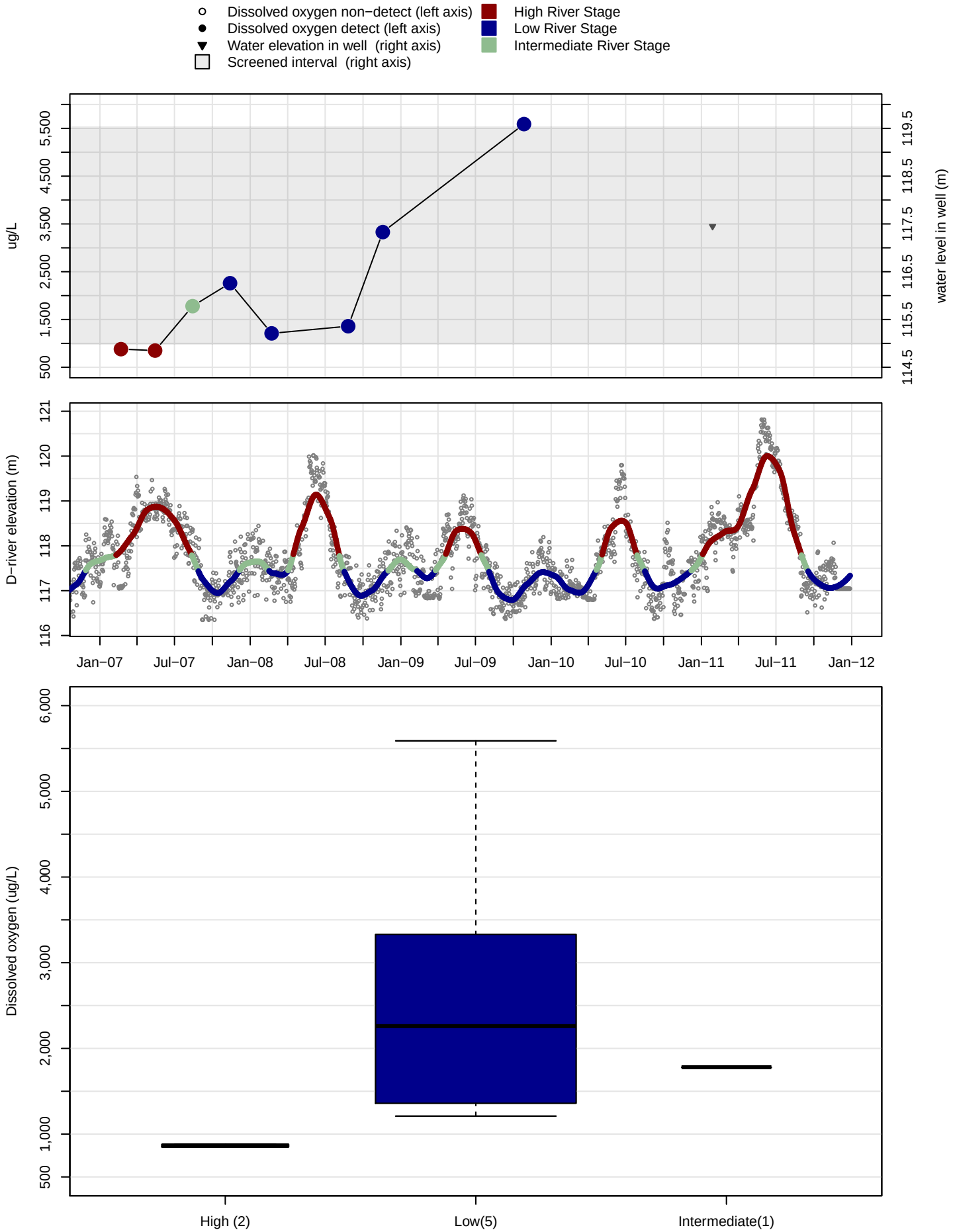
Mann Whitney p = NA t−test p = NA

199−D4−1 (135m) Lag (29 Days)



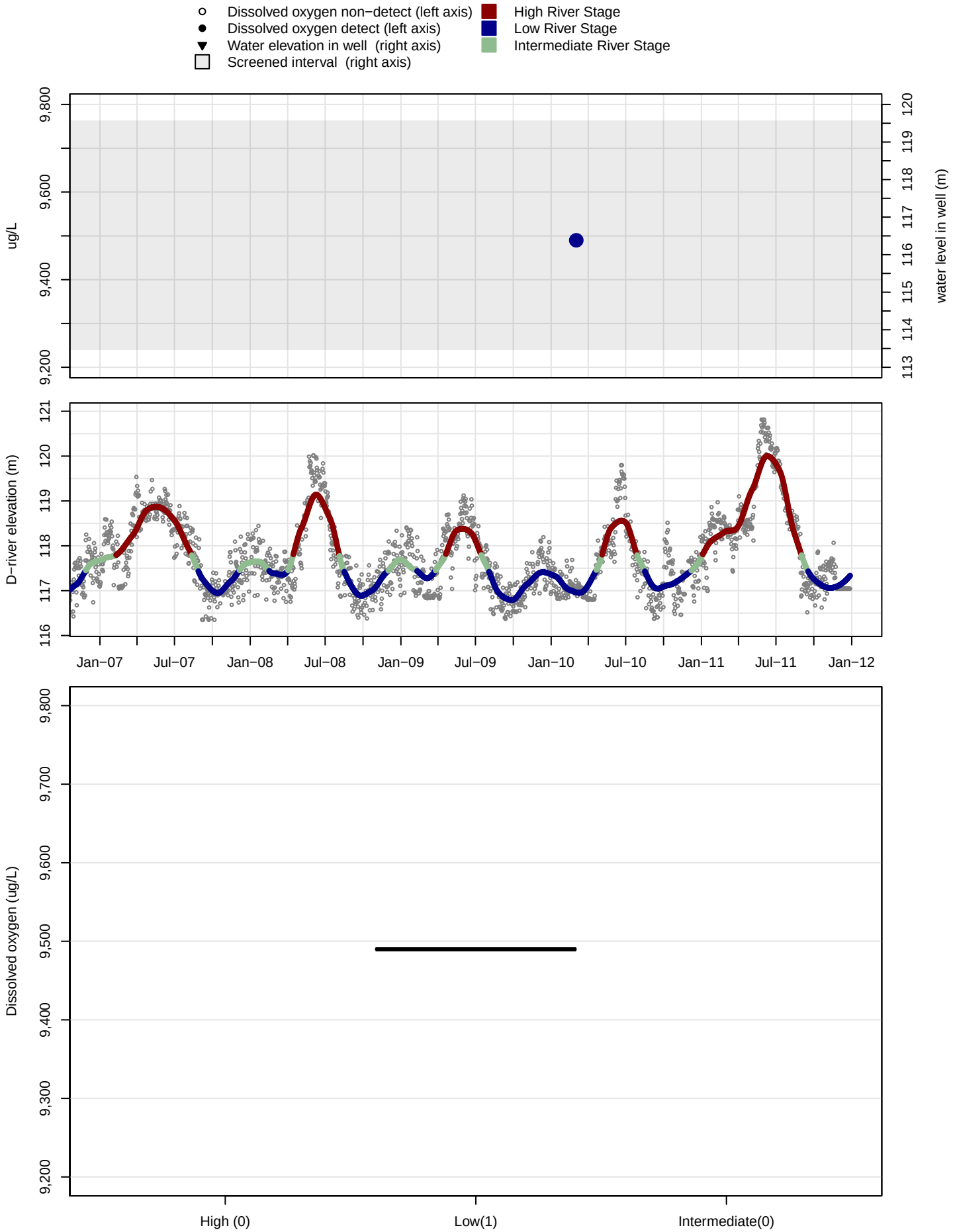
Mann Whitney p = 4.24e−02 t−test p = 2.31e−01

199−D4−10 (151m) Lag (Indeterminate)



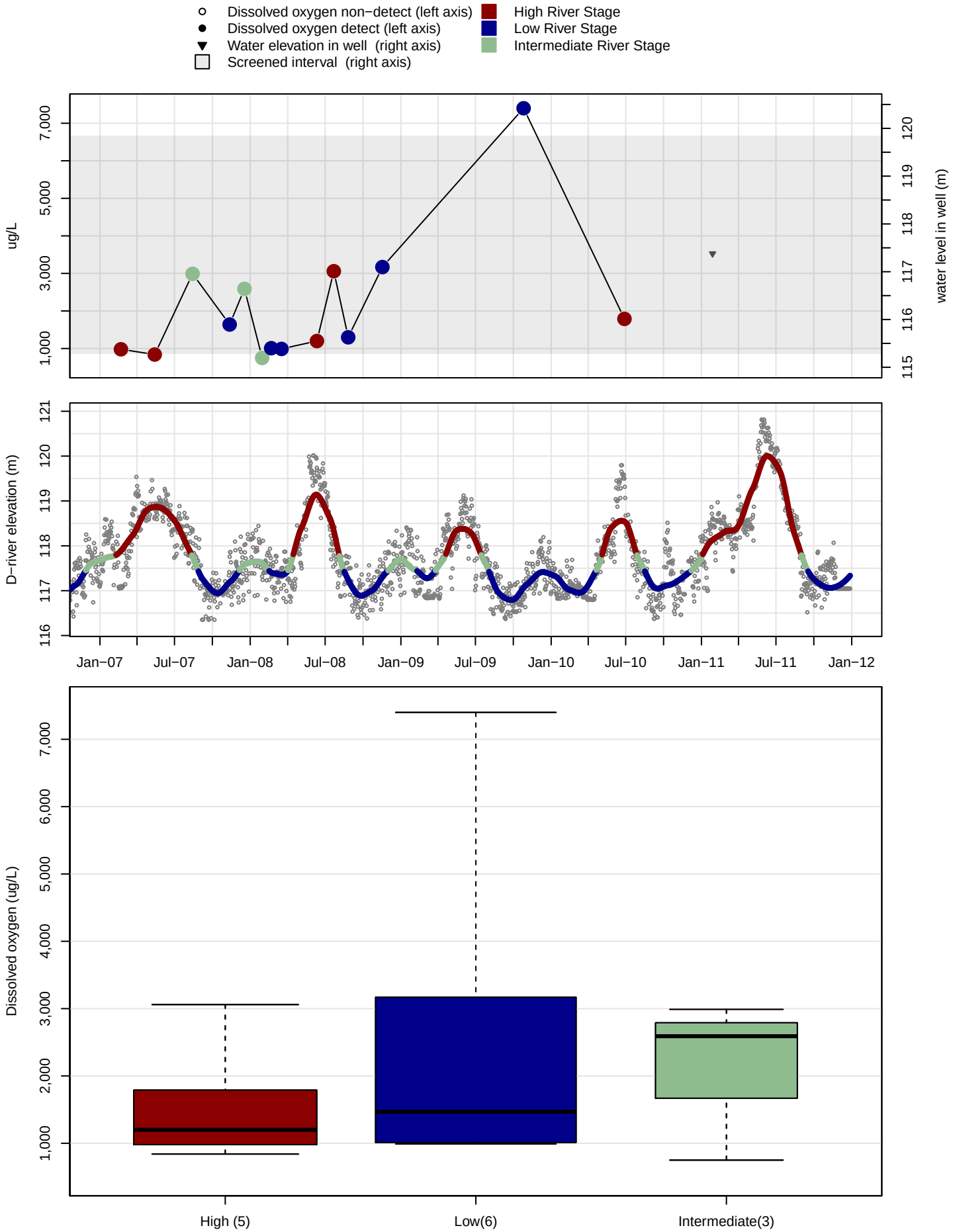
Mann Whitney p = NA t−test p = NA

199−D4−101* (263m) Lag (Indeterminate)



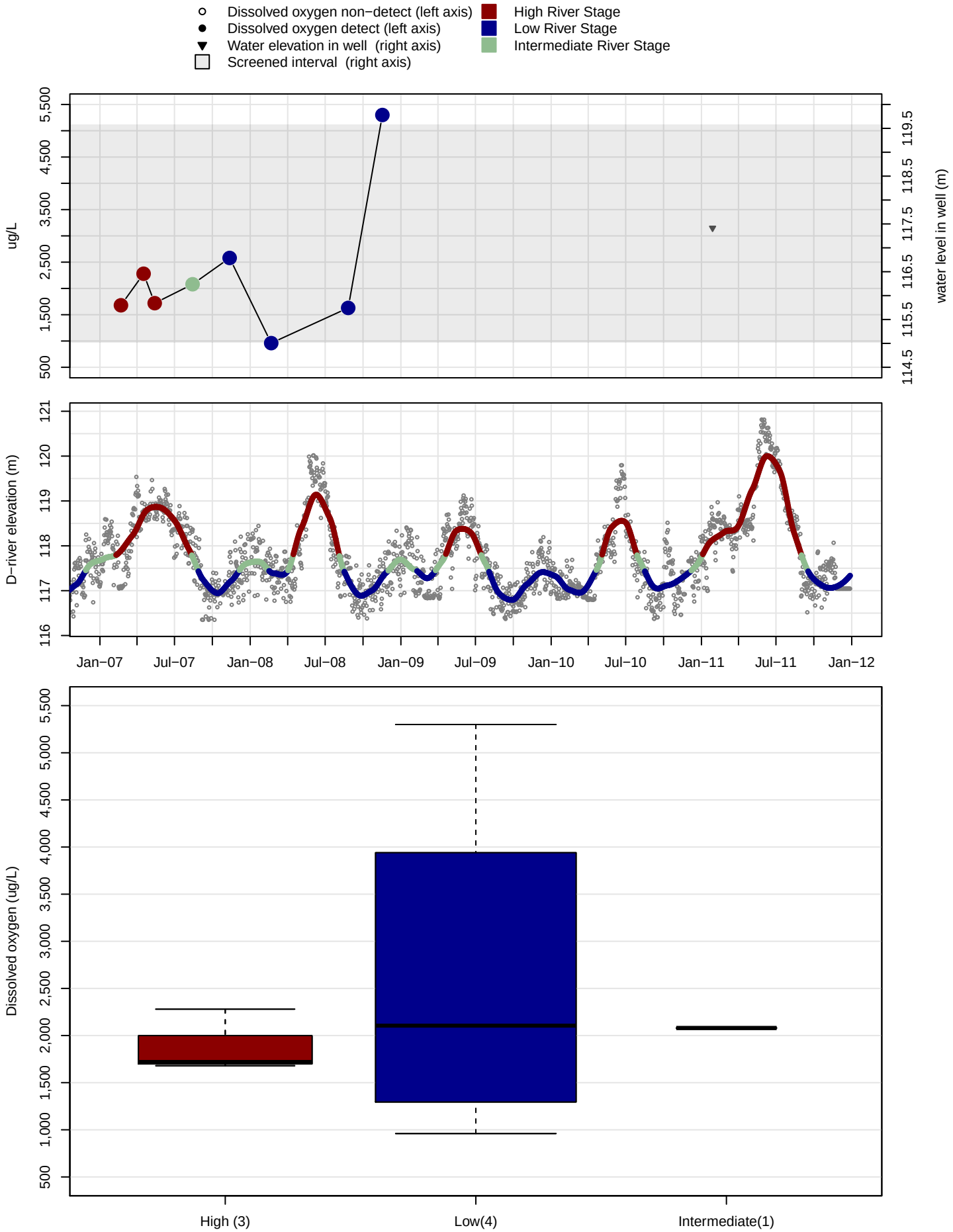
Mann Whitney p = NA t−test p = NA

199−D4−11 (147m) Lag (Indeterminate)



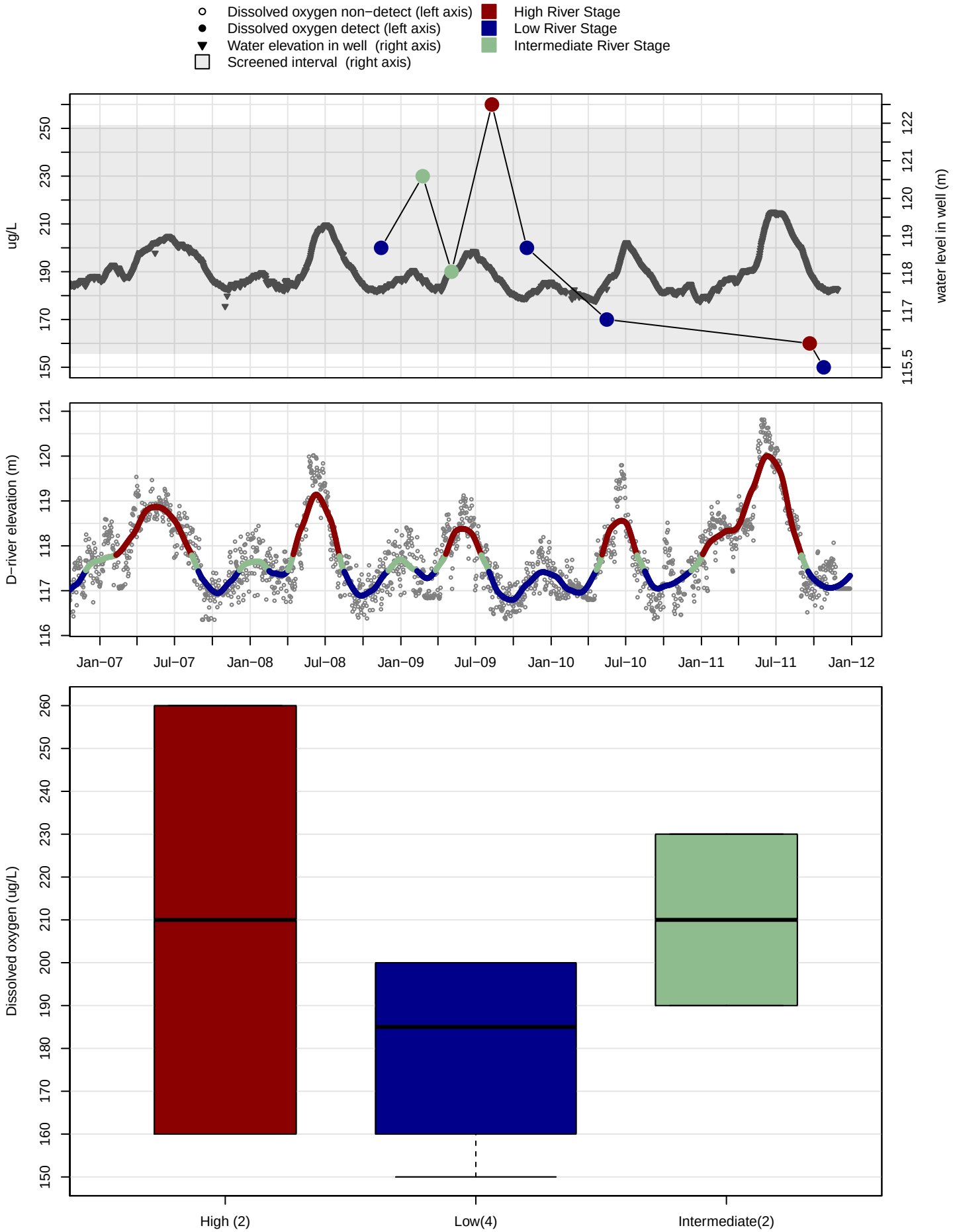
Mann Whitney p = 4.29e−01 t−test p = 3.89e−01

199−D4−12 (141m) Lag (Indeterminate)



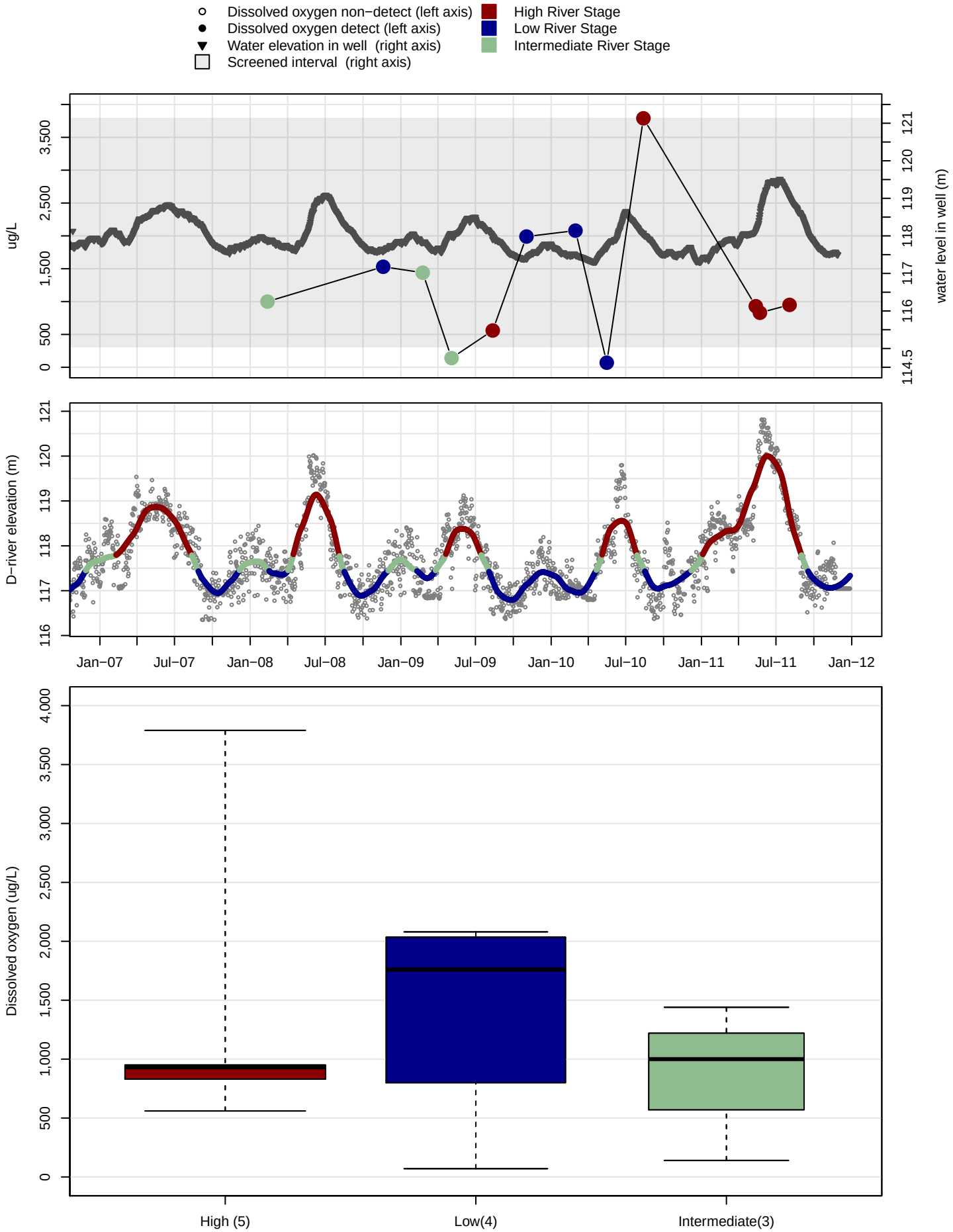
Mann Whitney p = 1e+00 t−test p = 5.07e−01

199−D4−13 (162m) Lag (27 Days)



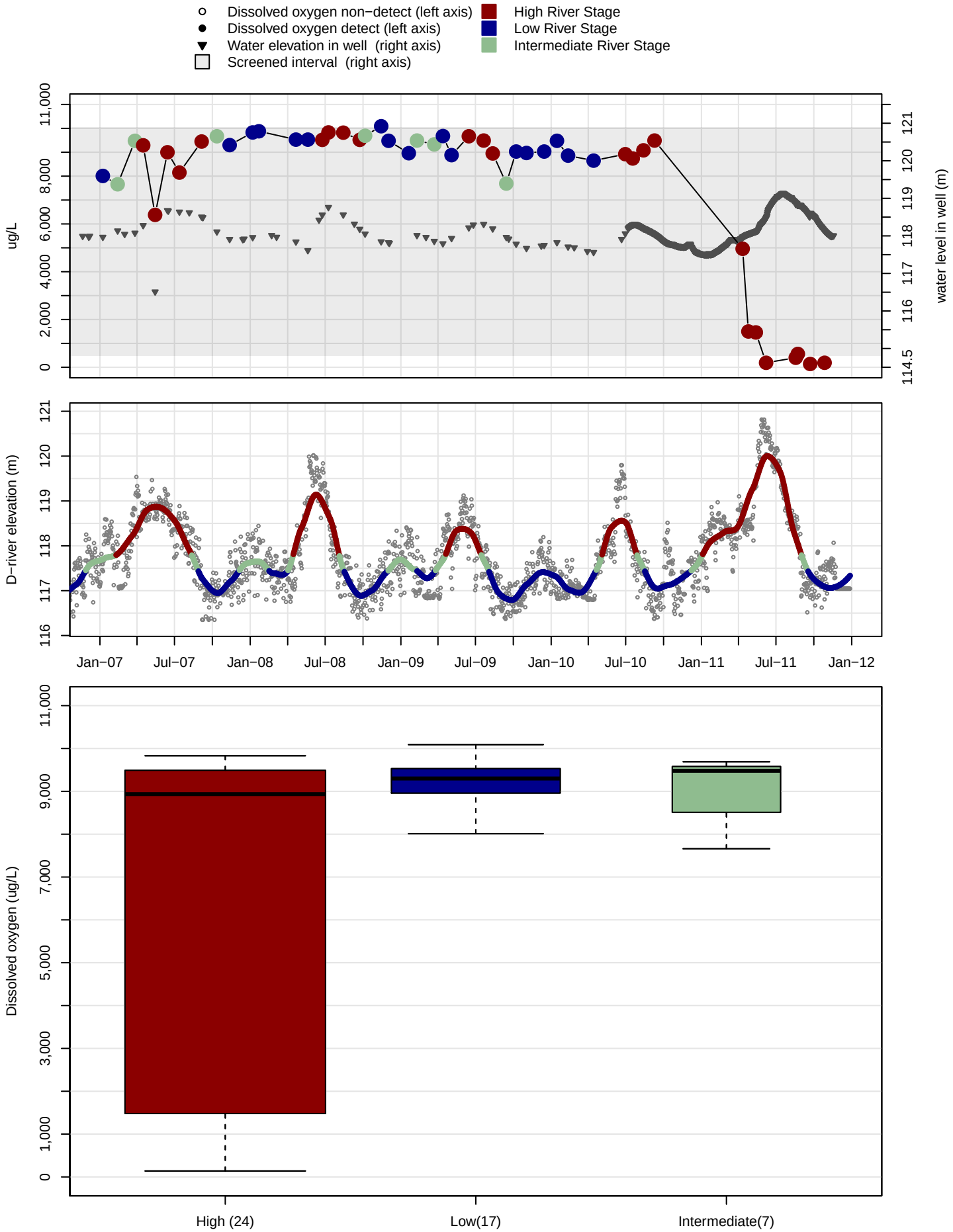
Mann Whitney p = NA t−test p = NA

199−D4−14 (108m) Lag (27 Days)



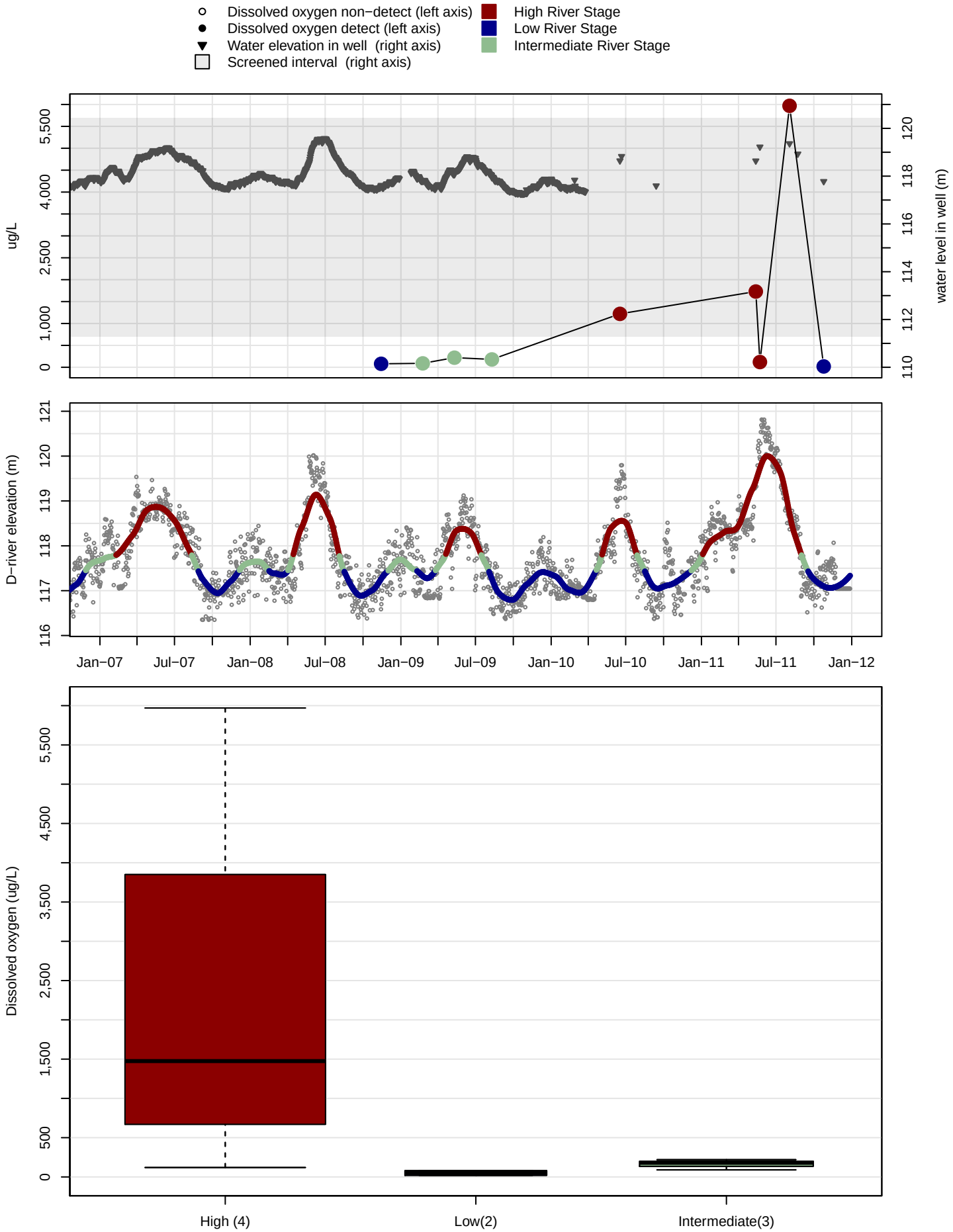
Mann Whitney p = 7.3e−01 t−test p = 9.94e−01

199−D4−15 (344m) Lag (54 Days)



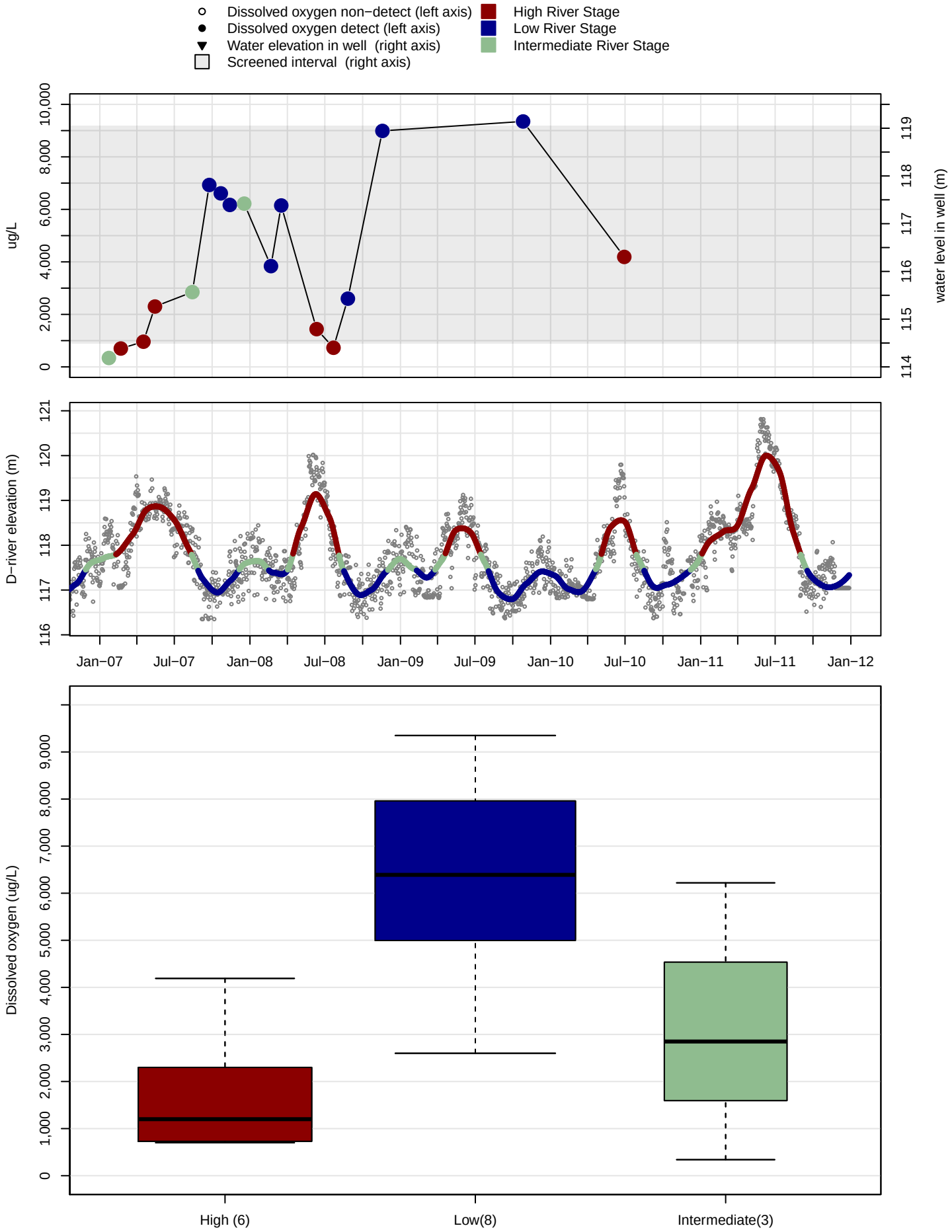
Mann Whitney p = 4.26e−02 t−test p = 2.26e−03

199−D4−19 (182m) Lag (20 Days)



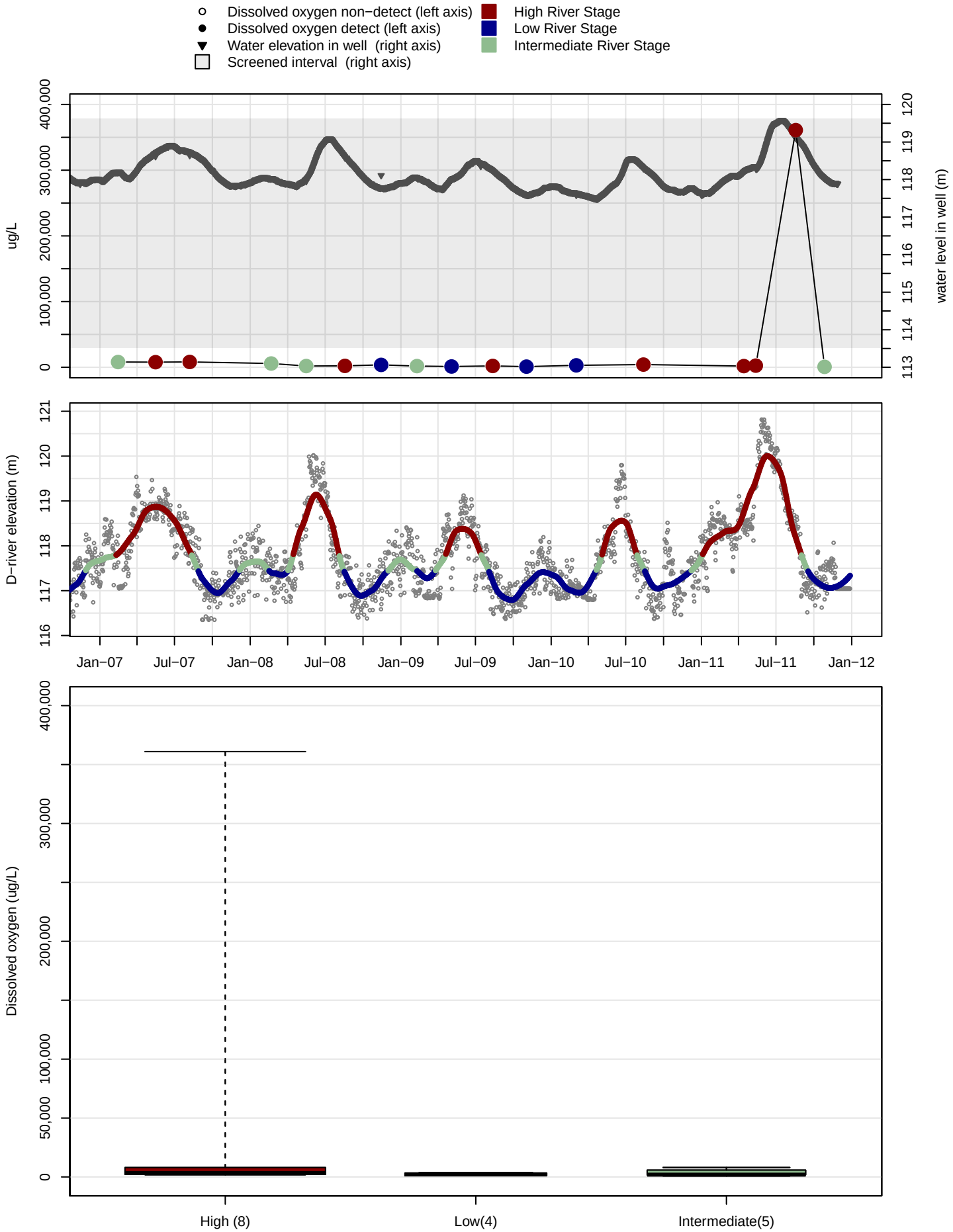
Mann Whitney p = NA t−test p = NA

199−D4−2 (155m) Lag (Indeterminate)



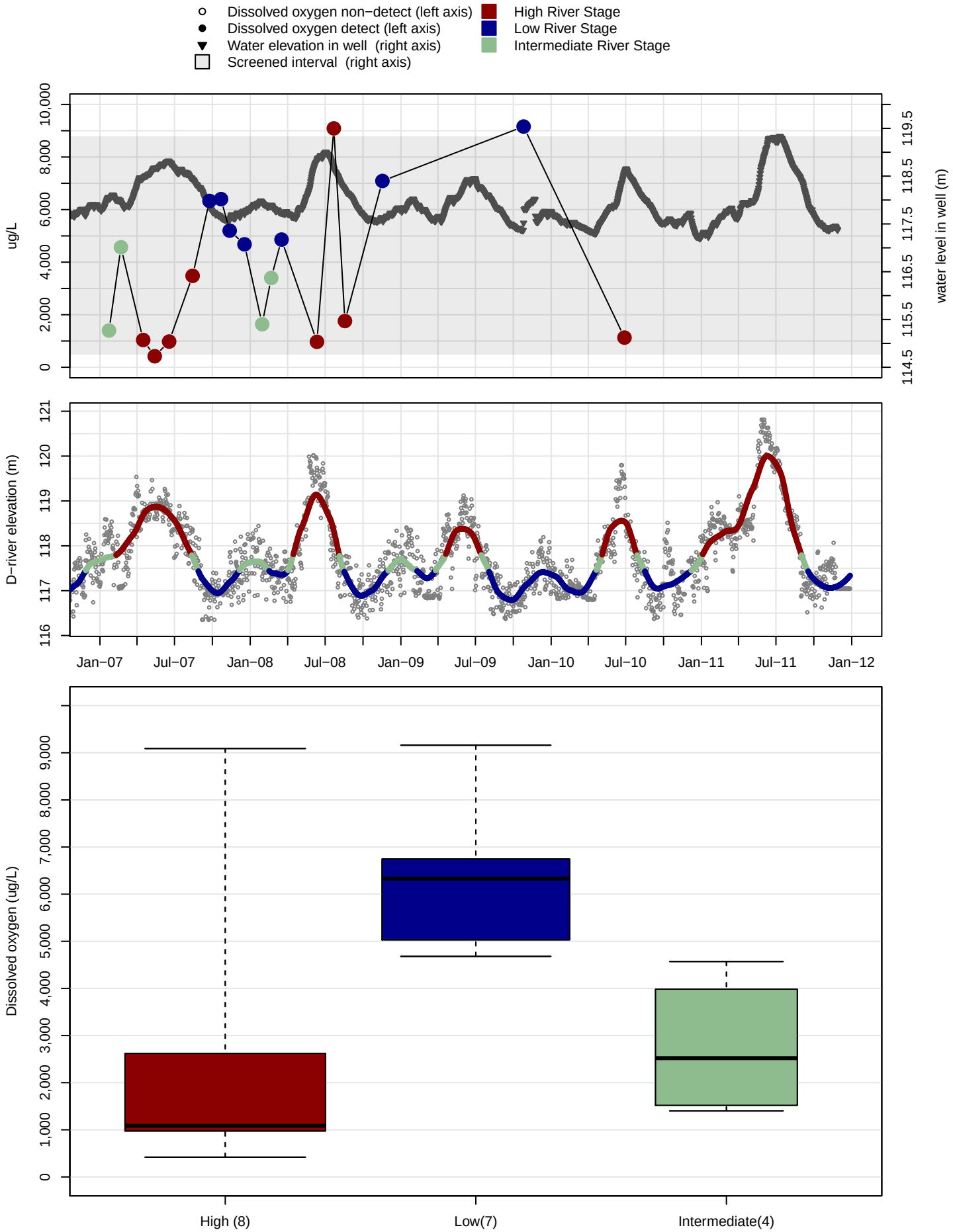
Mann Whitney p = 2.66e−03 t−test p = 5.71e−04

199−D4−20 (370m) Lag (41 Days)



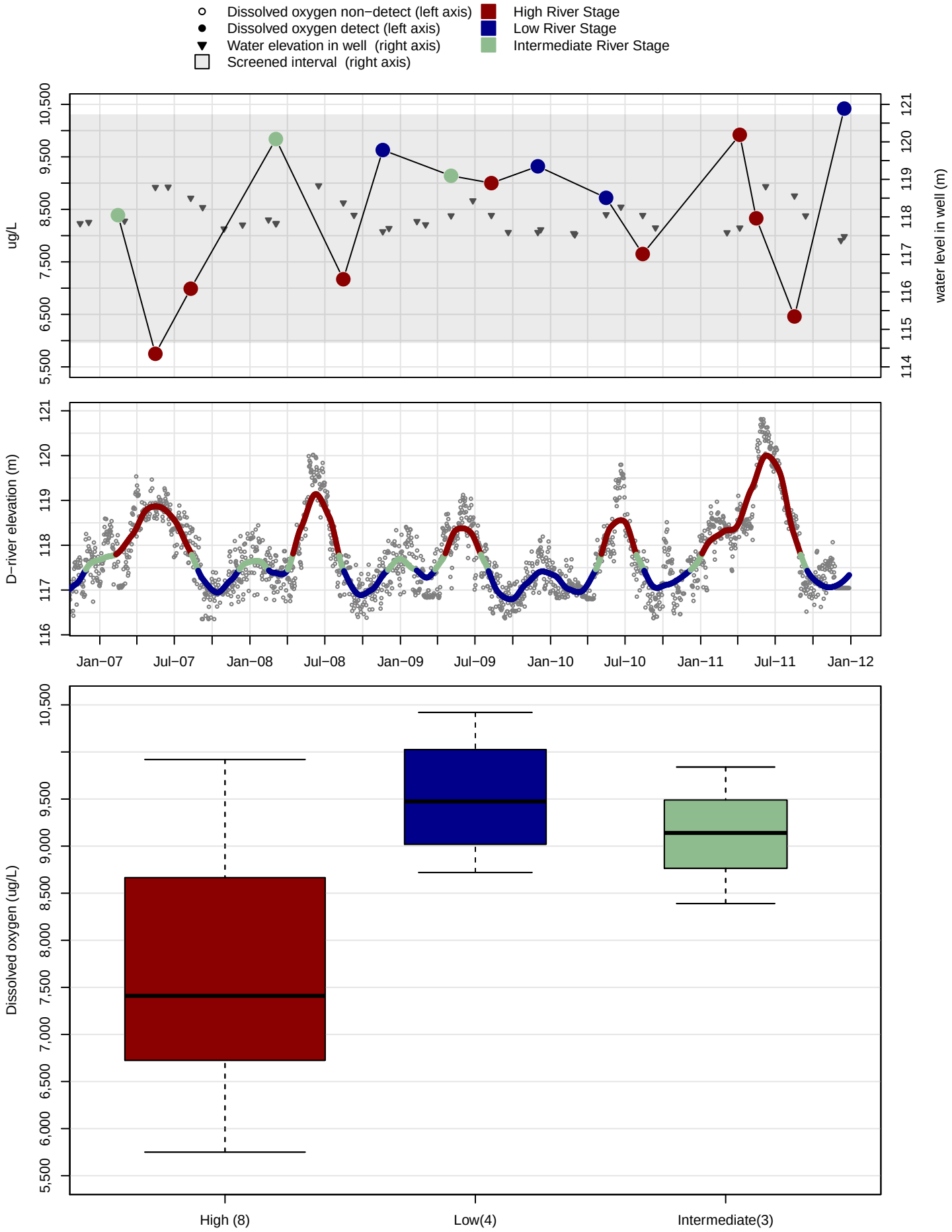
Mann Whitney p = 2.14e−01 t−test p = 3.32e−01

199−D4−21 (139m) Lag (26 Days)



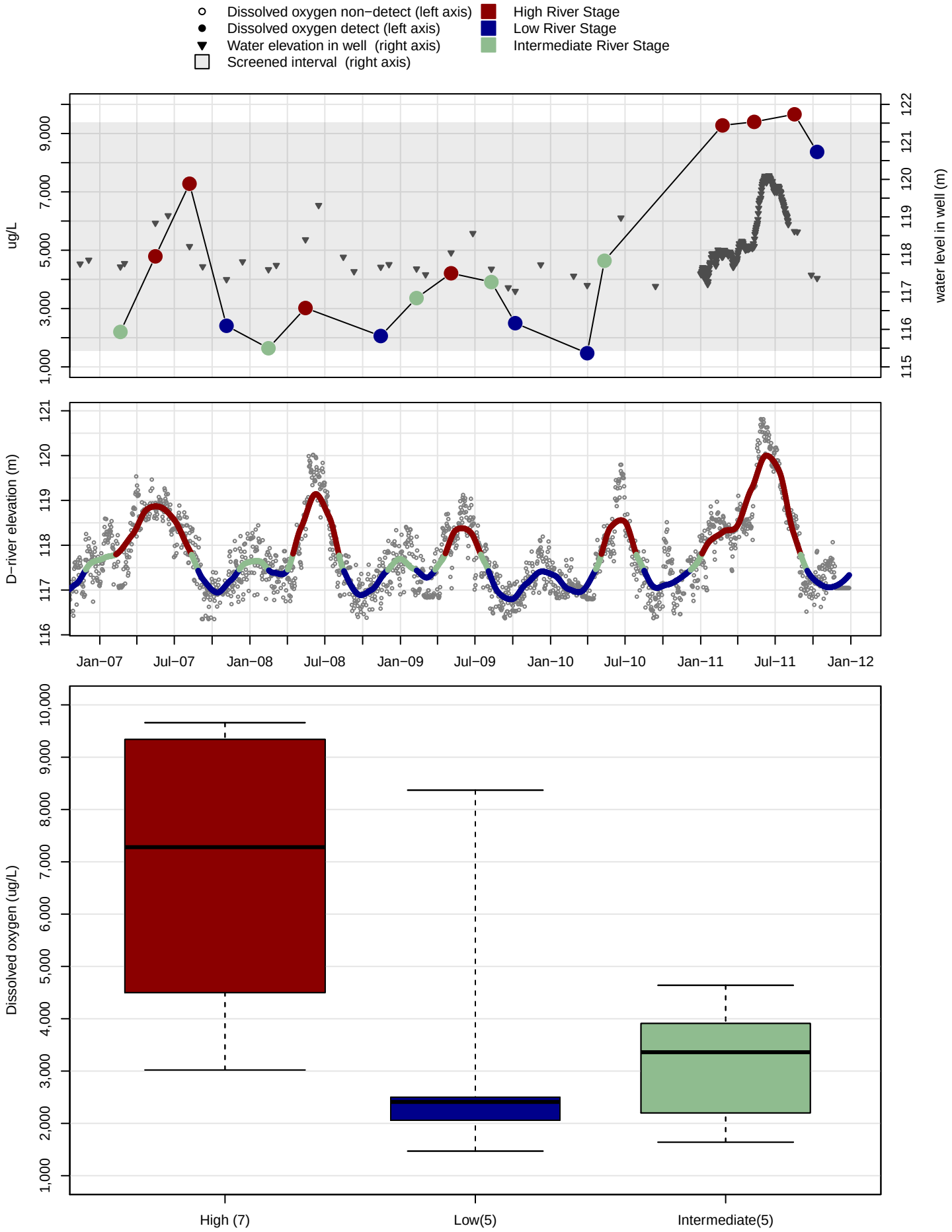
Mann Whitney p = 9.32e−03 t−test p = 6.93e−03

199−D4−22 (170m) Lag (26 Days)



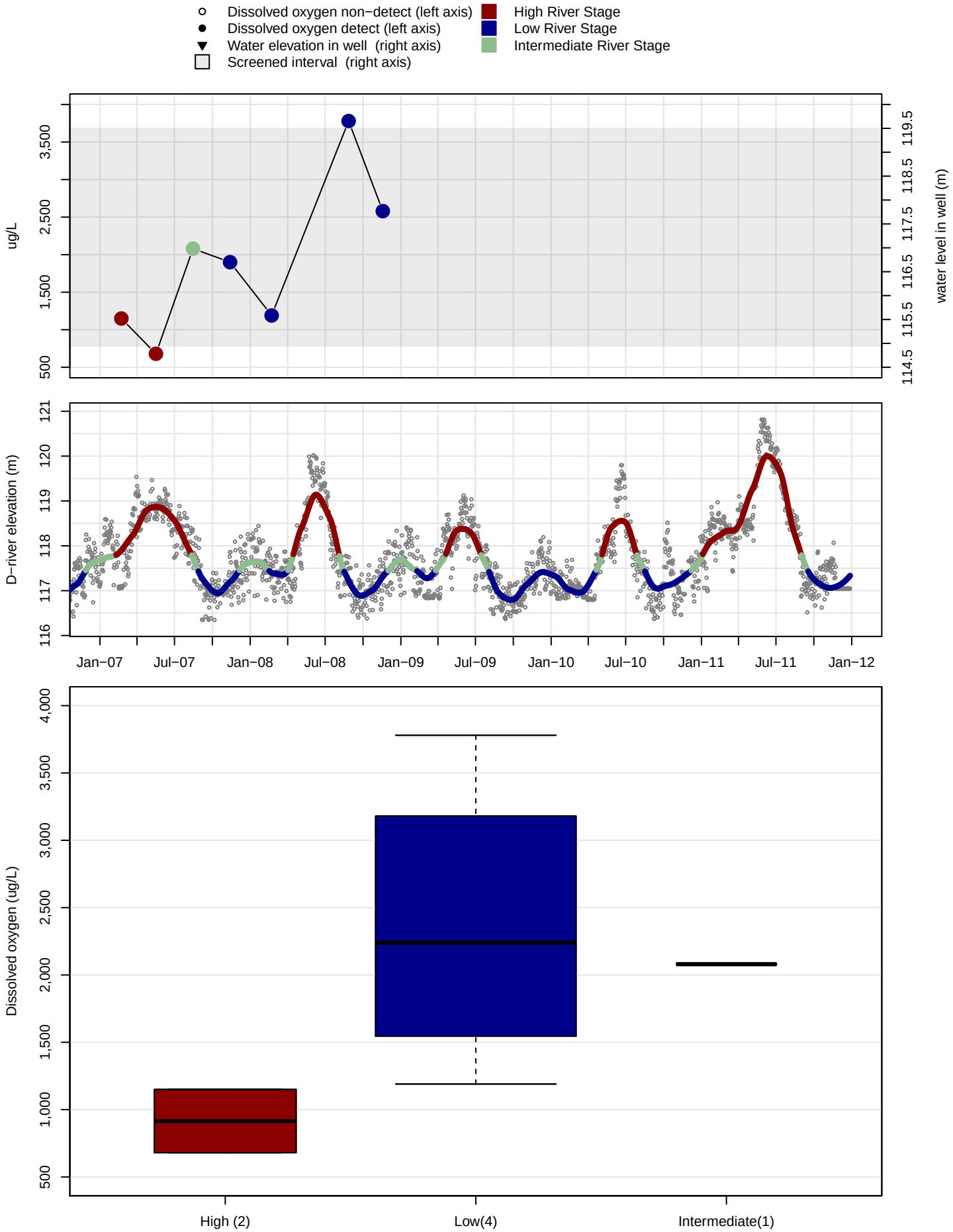
Mann Whitney p = 4.85e−02 t−test p = 1.12e−02

199−D4−23 (62m) Lag (12 Days)



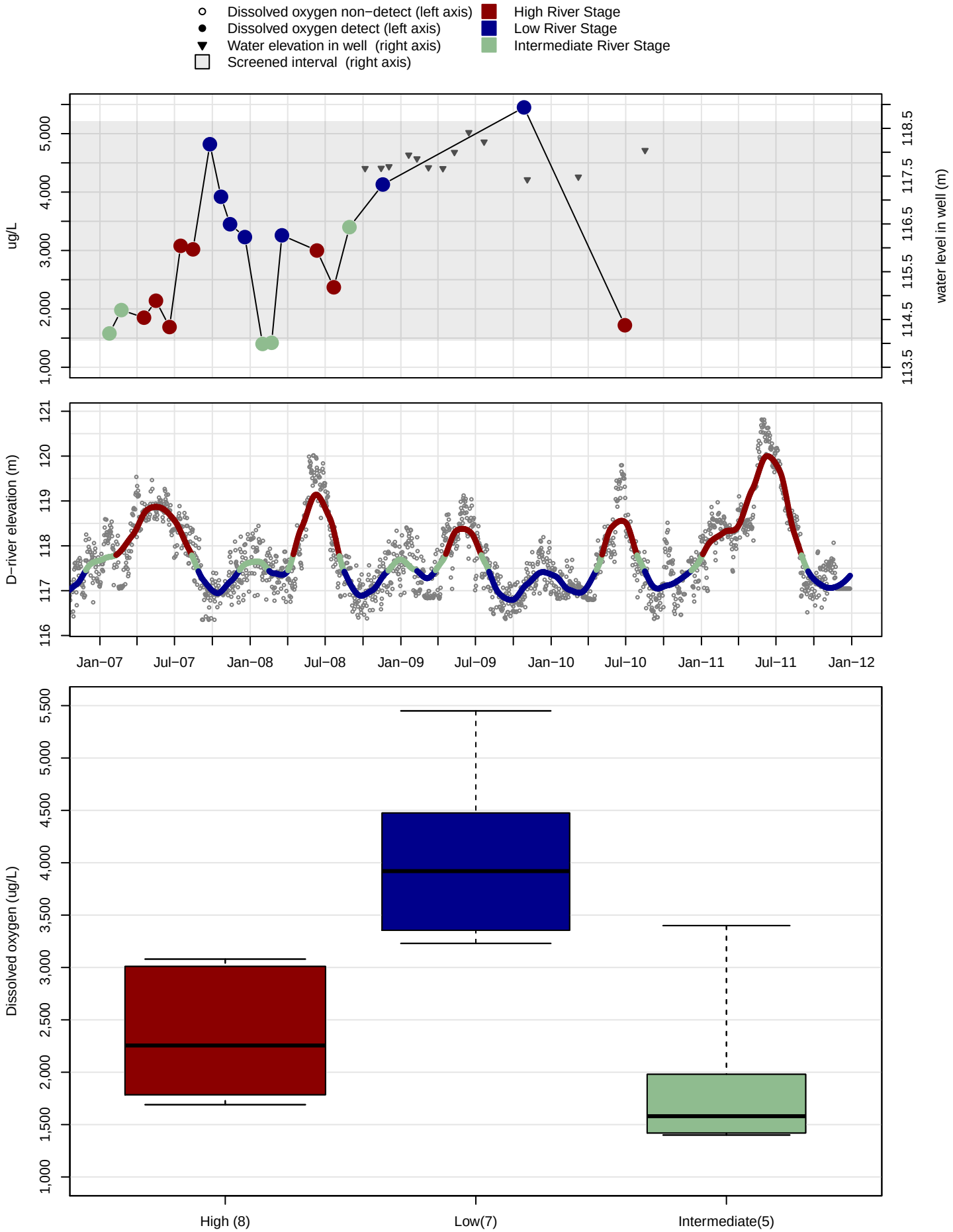
Mann Whitney p = 3.03e−02 t−test p = 6.69e−02

199−D4−24 (155m) Lag (Indeterminate)



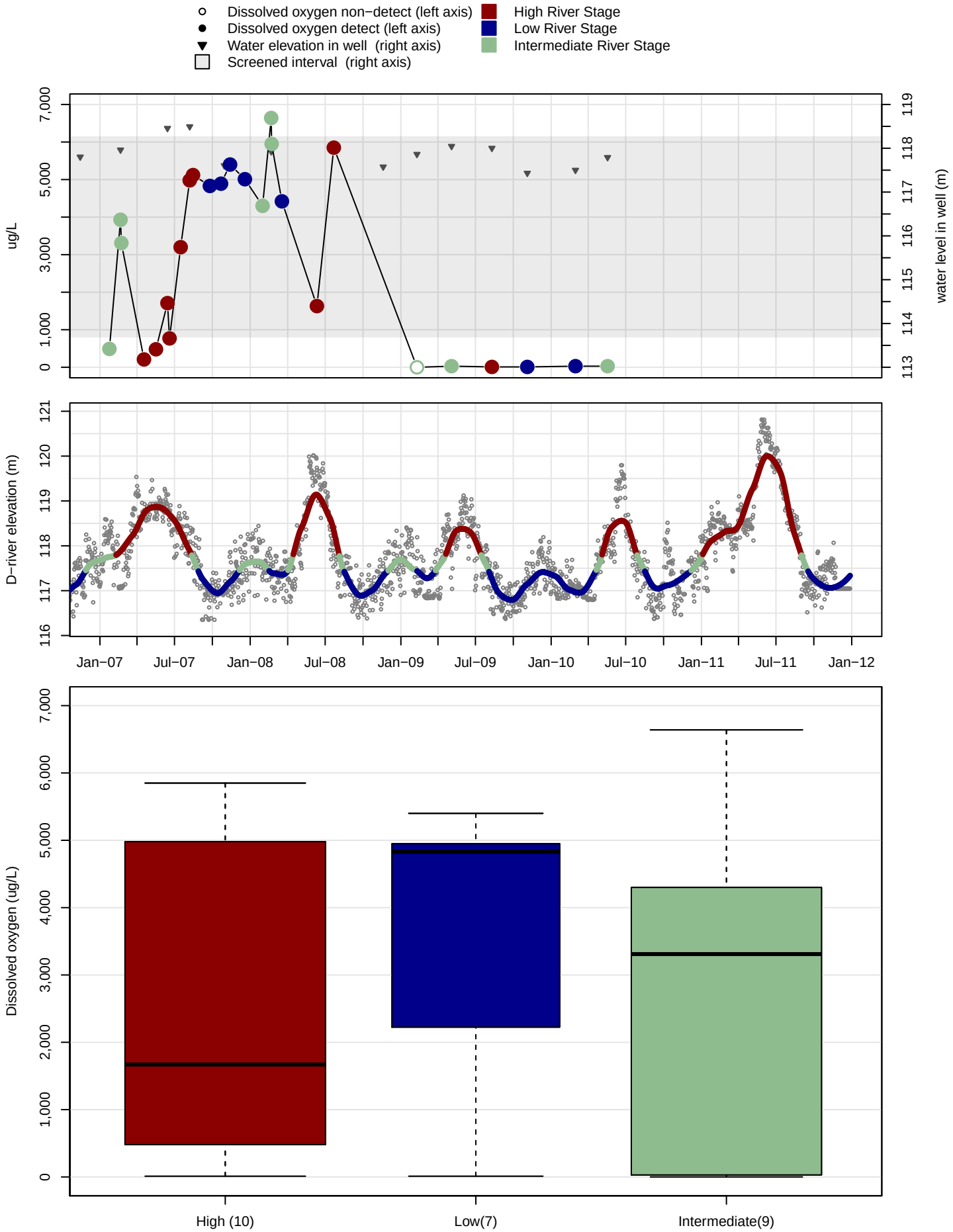
Mann Whitney p = NA t−test p = NA

199−D4−25 (162m) Lag (22 Days)



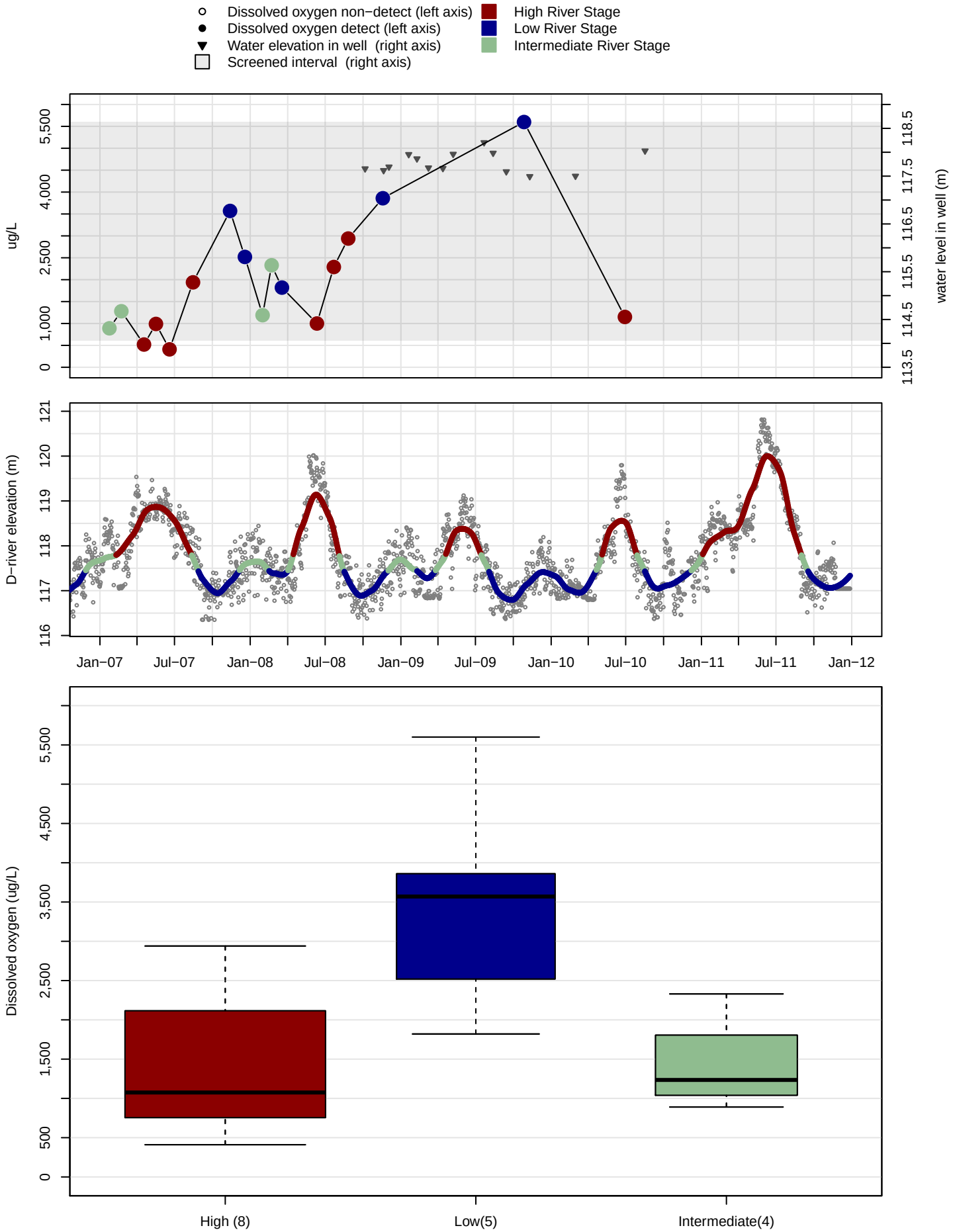
Mann Whitney p = 3.11e−04 t−test p = 1.14e−03

199−D4−26 (155m) Lag (25 Days)



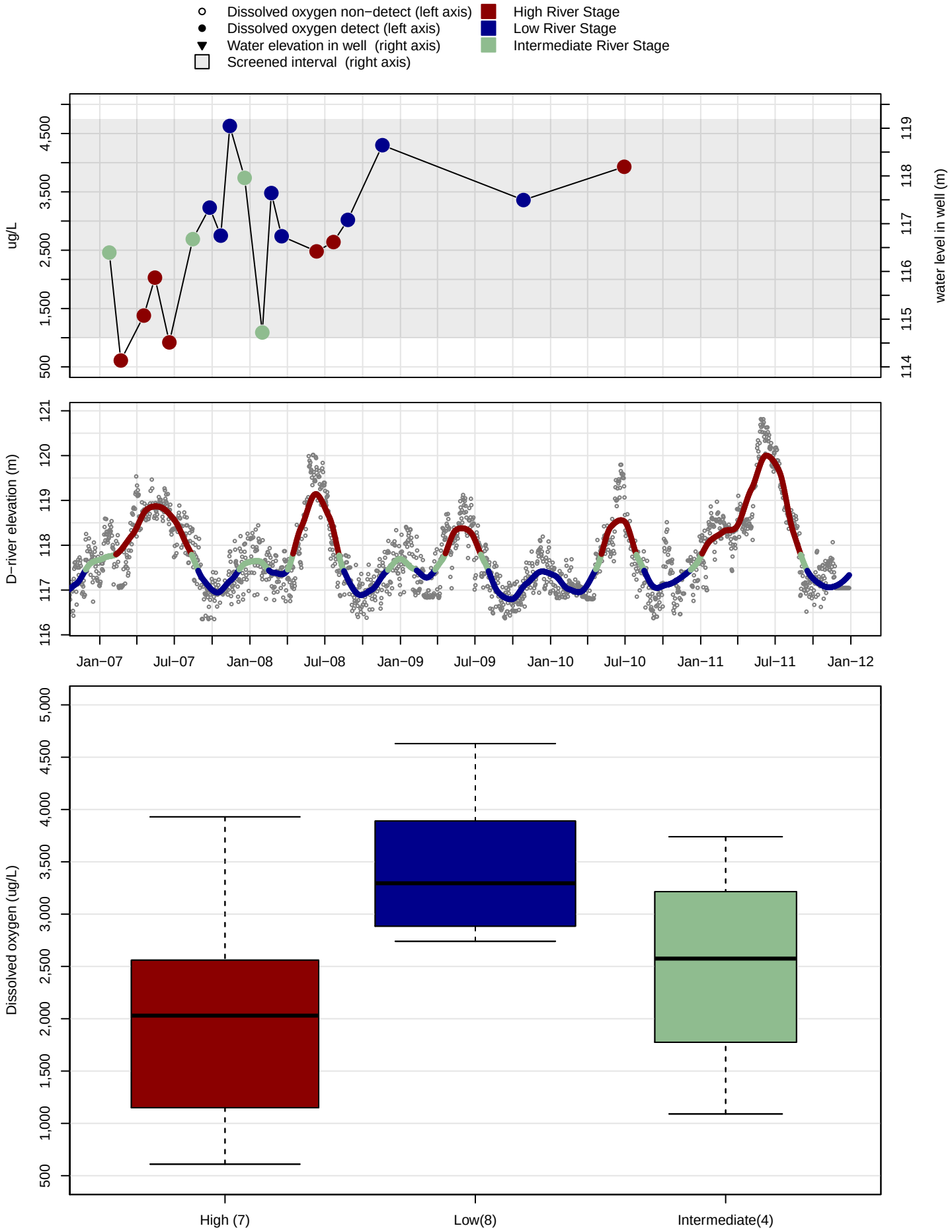
Mann Whitney p = 6.9e−01 t−test p = 3.5e−01

199−D4−27 (162m) Lag (23 Days)



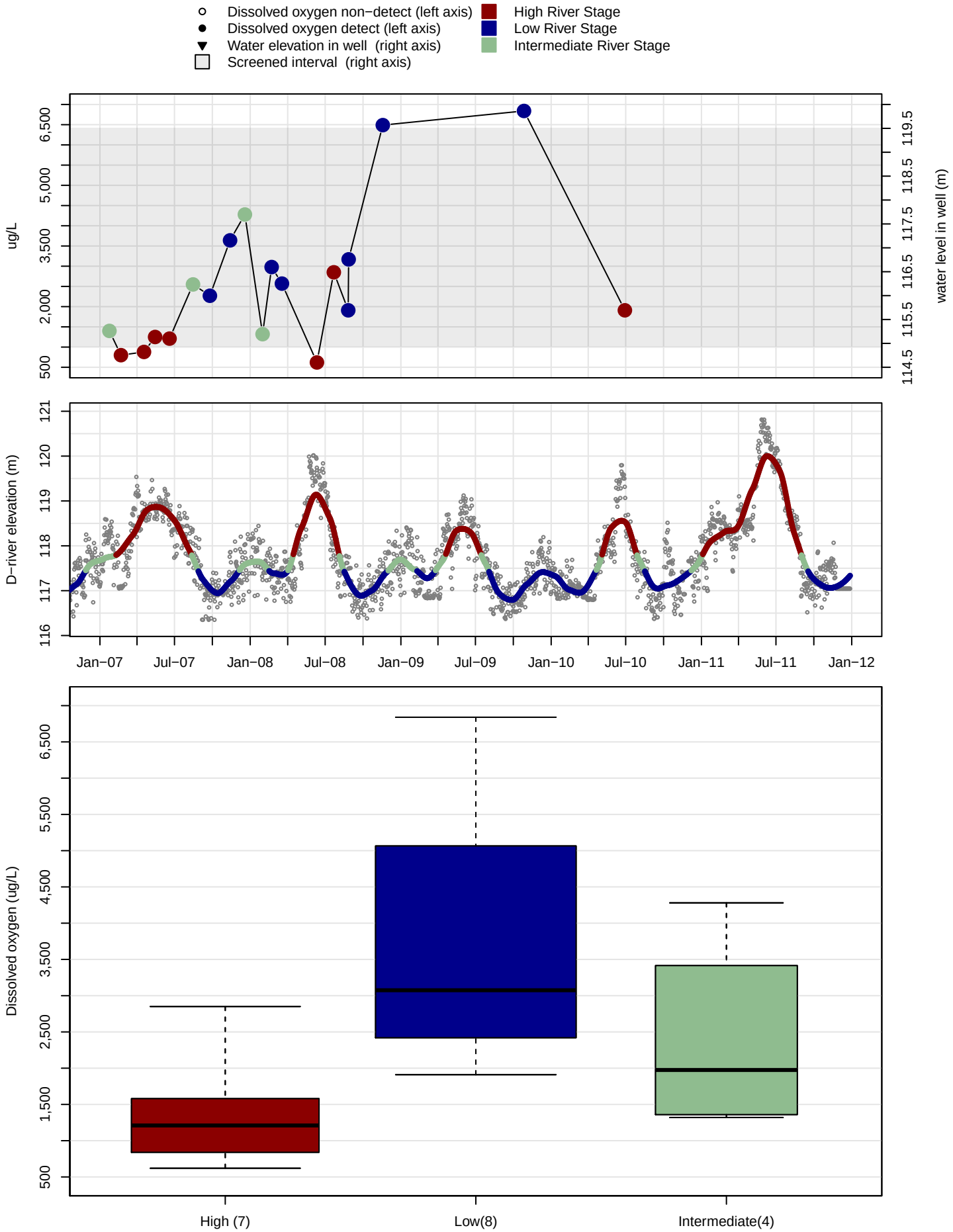
Mann Whitney p = 1.86e−02 t−test p = 2.83e−02

199−D4−28 (156m) Lag (Indeterminate)



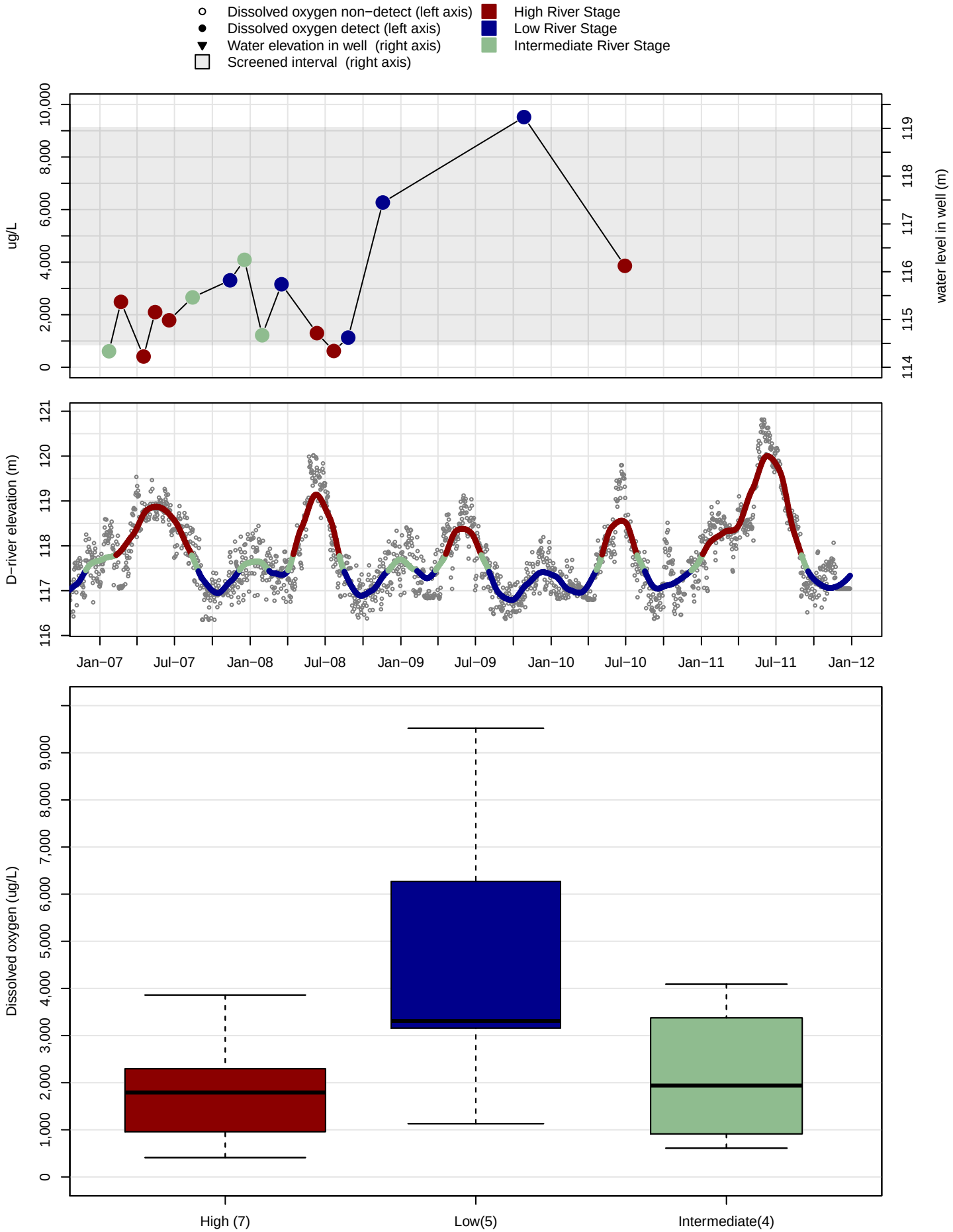
Mann Whitney p = 9.32e−03 t−test p = 1.65e−02

199−D4−29 (163m) Lag (Indeterminate)



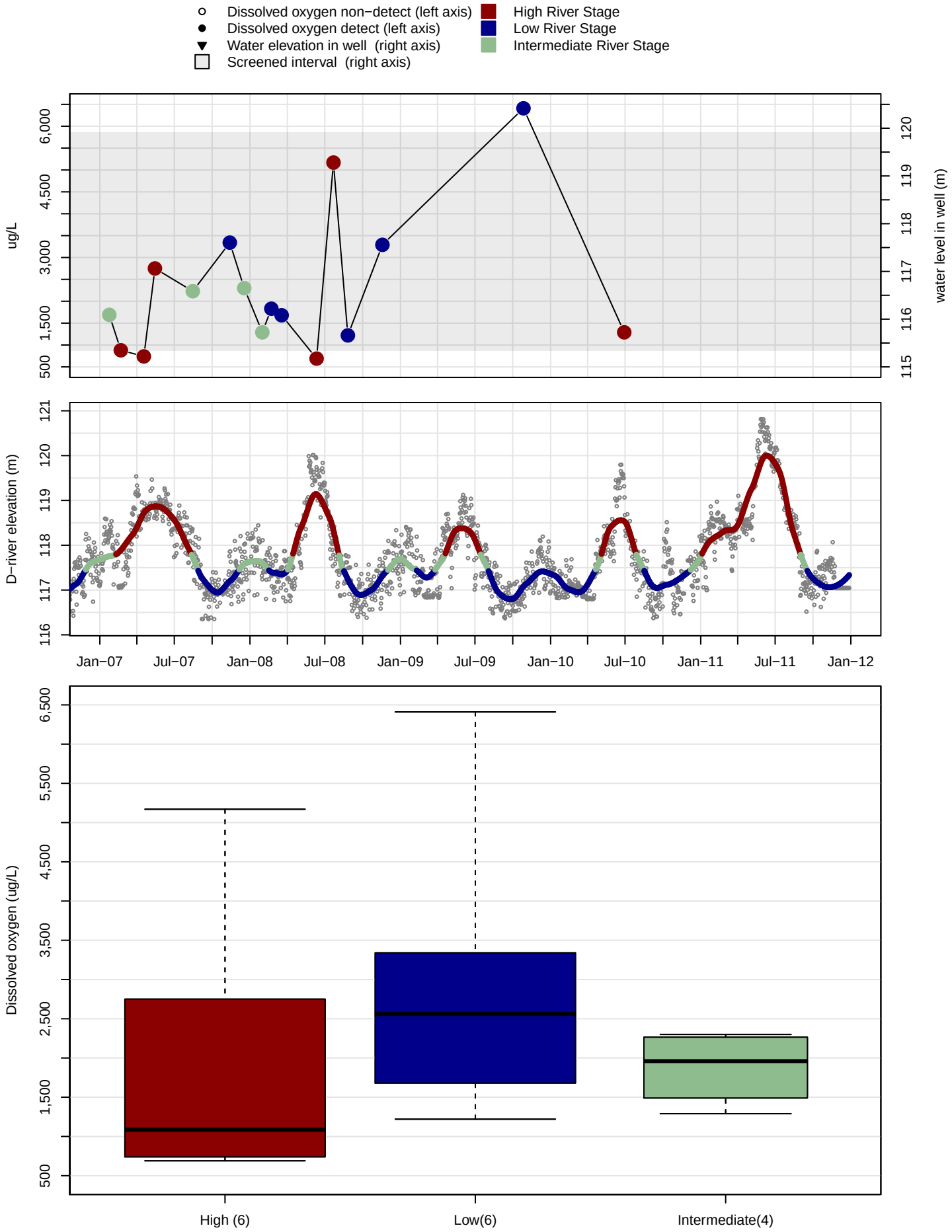
Mann Whitney p = 2.49e−03 t−test p = 9.19e−03

199−D4−3 (152m) Lag (Indeterminate)



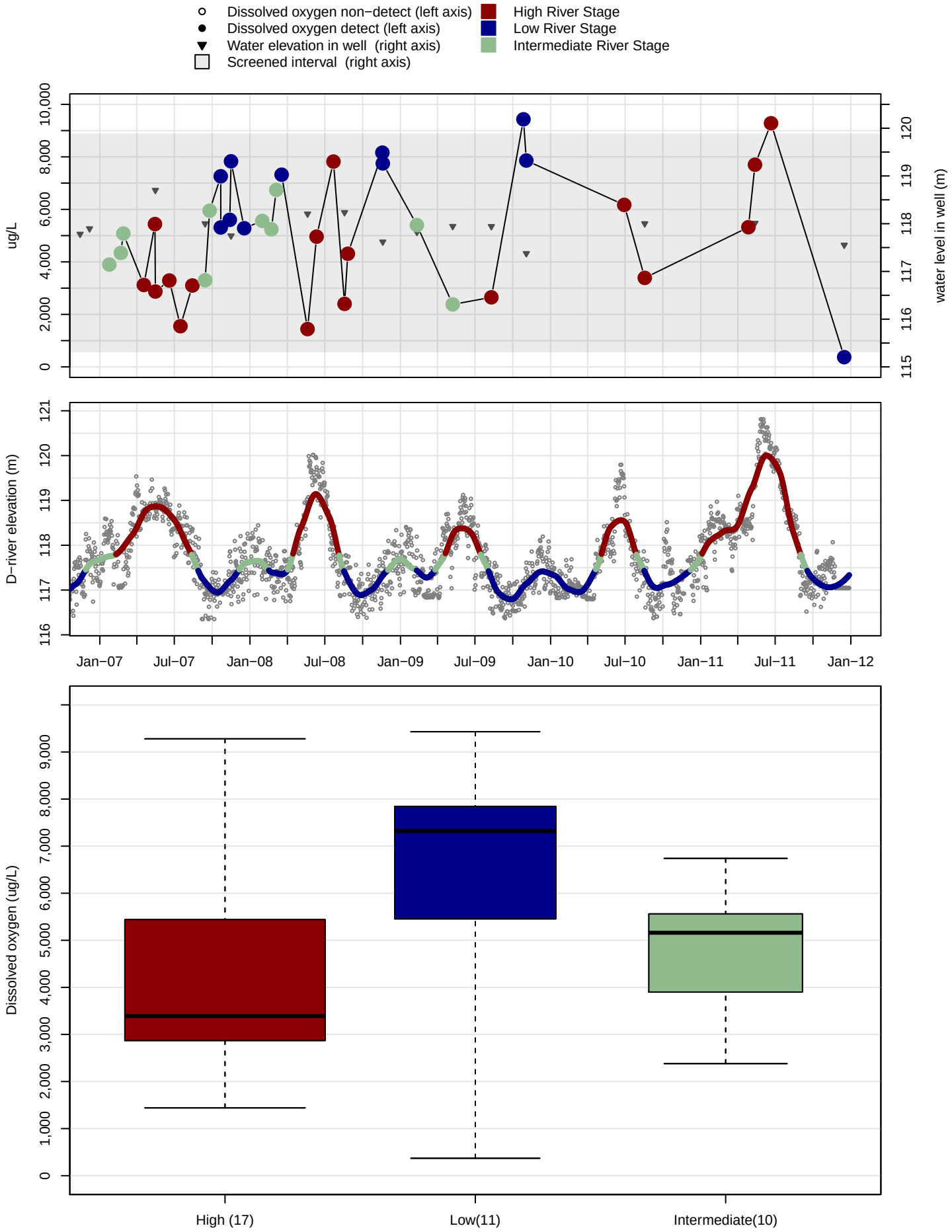
Mann Whitney p = 1.06e−01 t−test p = 1.21e−01

199−D4−30 (156m) Lag (Indeterminate)



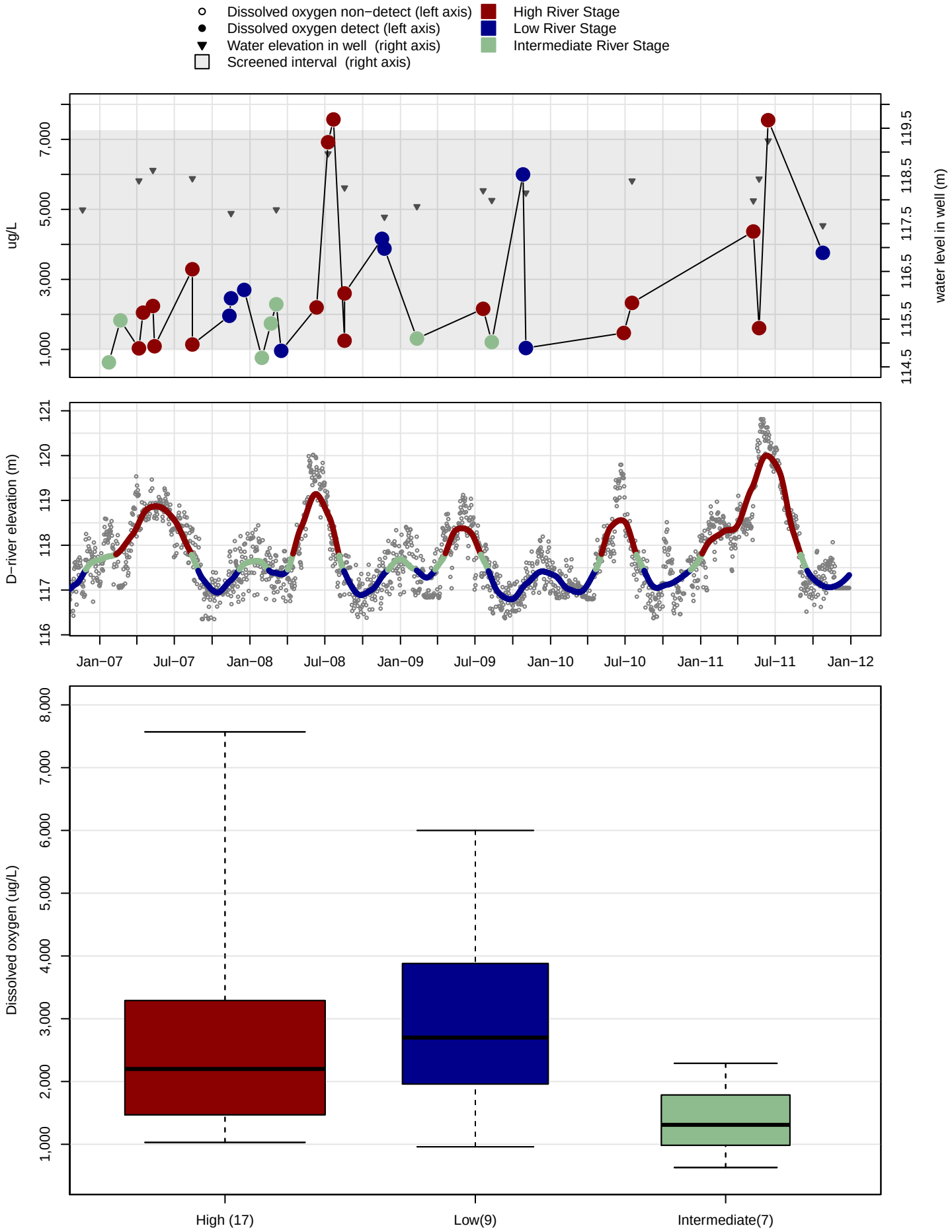
Mann Whitney p = 1.8e−01 t−test p = 3.49e−01

199−D4−31 (162m) Lag (28 Days)



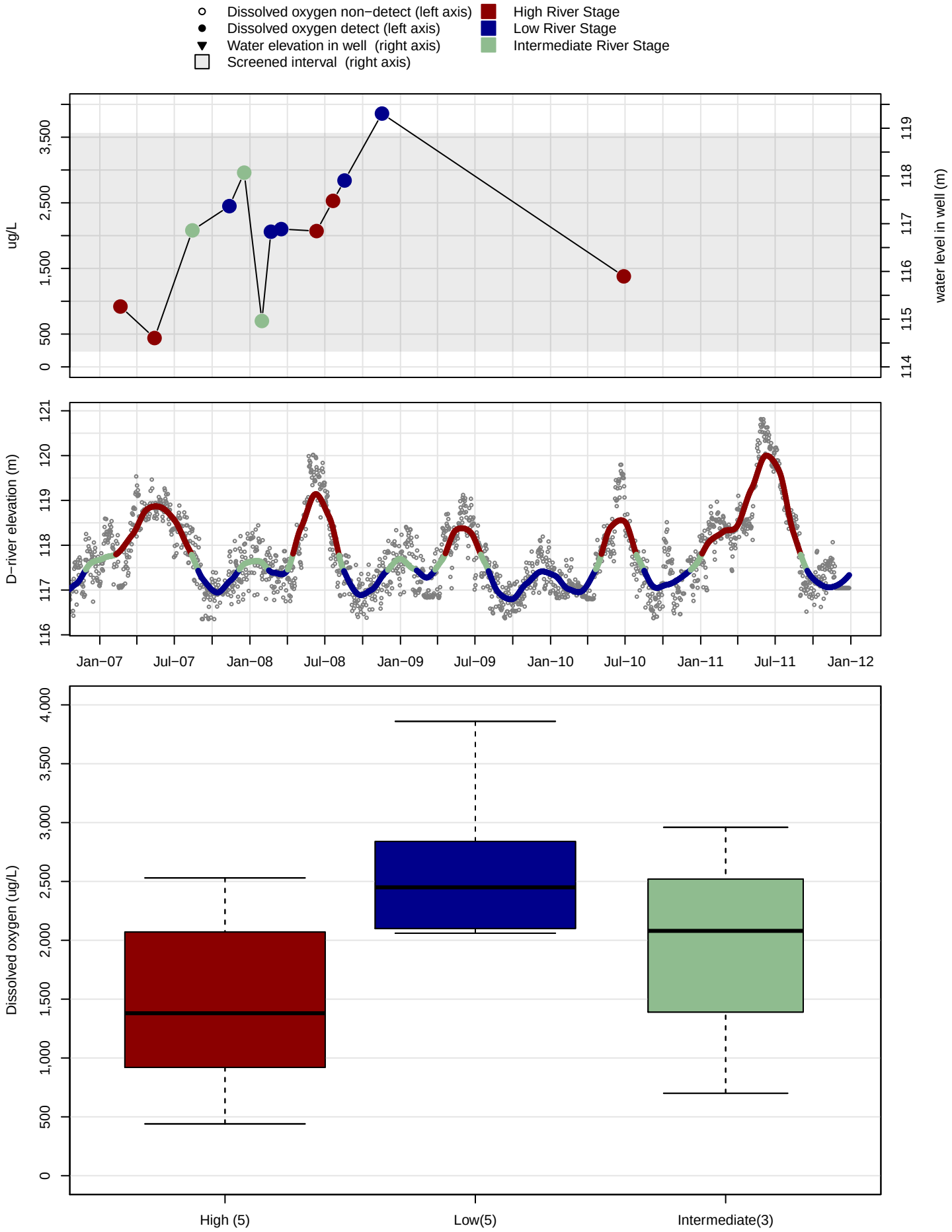
Mann Whitney p = 1.93e−02 t−test p = 2.88e−02

199−D4−32 (143m) Lag (24 Days)



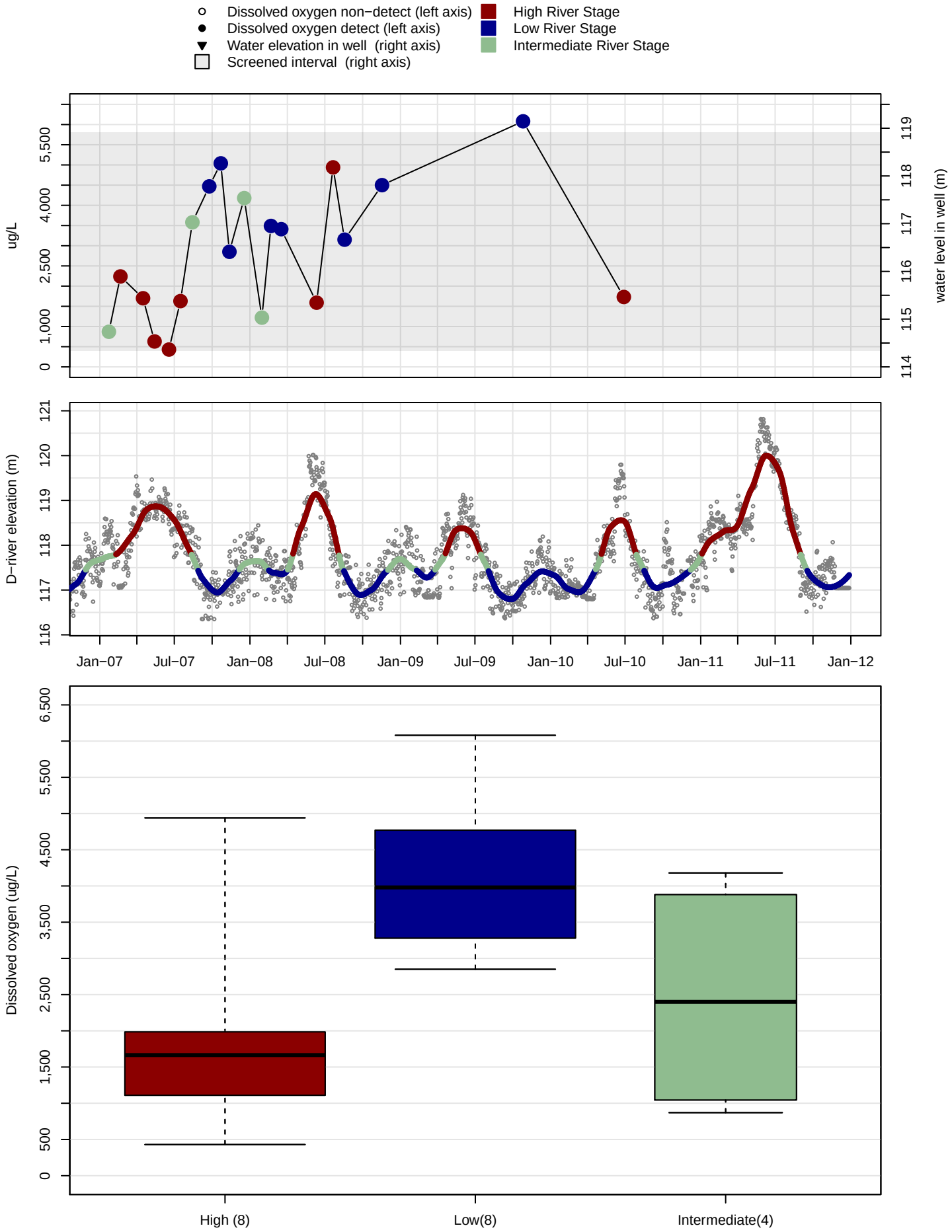
Mann Whitney p = 7.51e−01 t−test p = 9.99e−01

199−D4−33 (136m) Lag (Indeterminate)



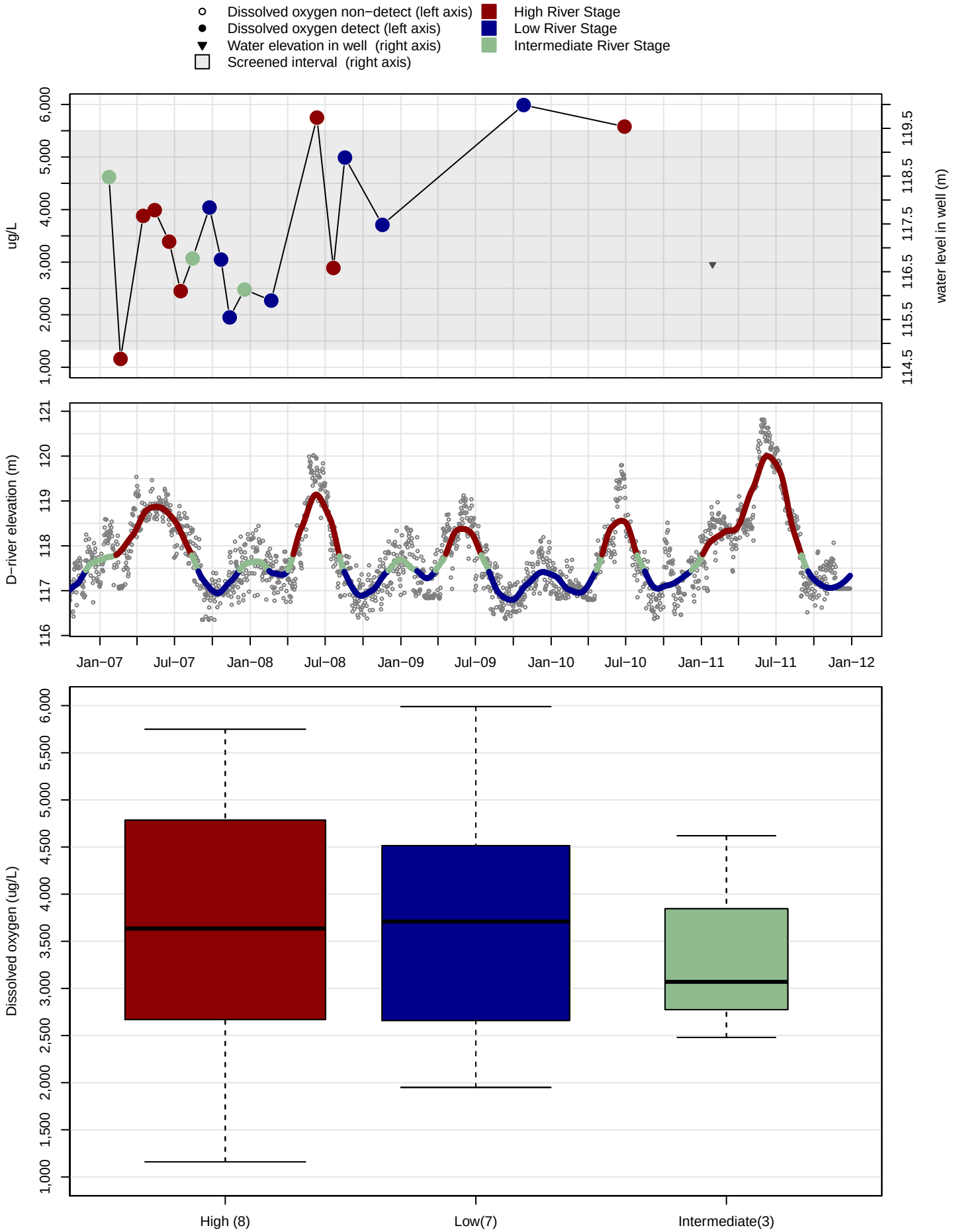
Mann Whitney p = 9.52e−02 t−test p = 4.53e−02

199−D4−34 (141m) Lag (Indeterminate)



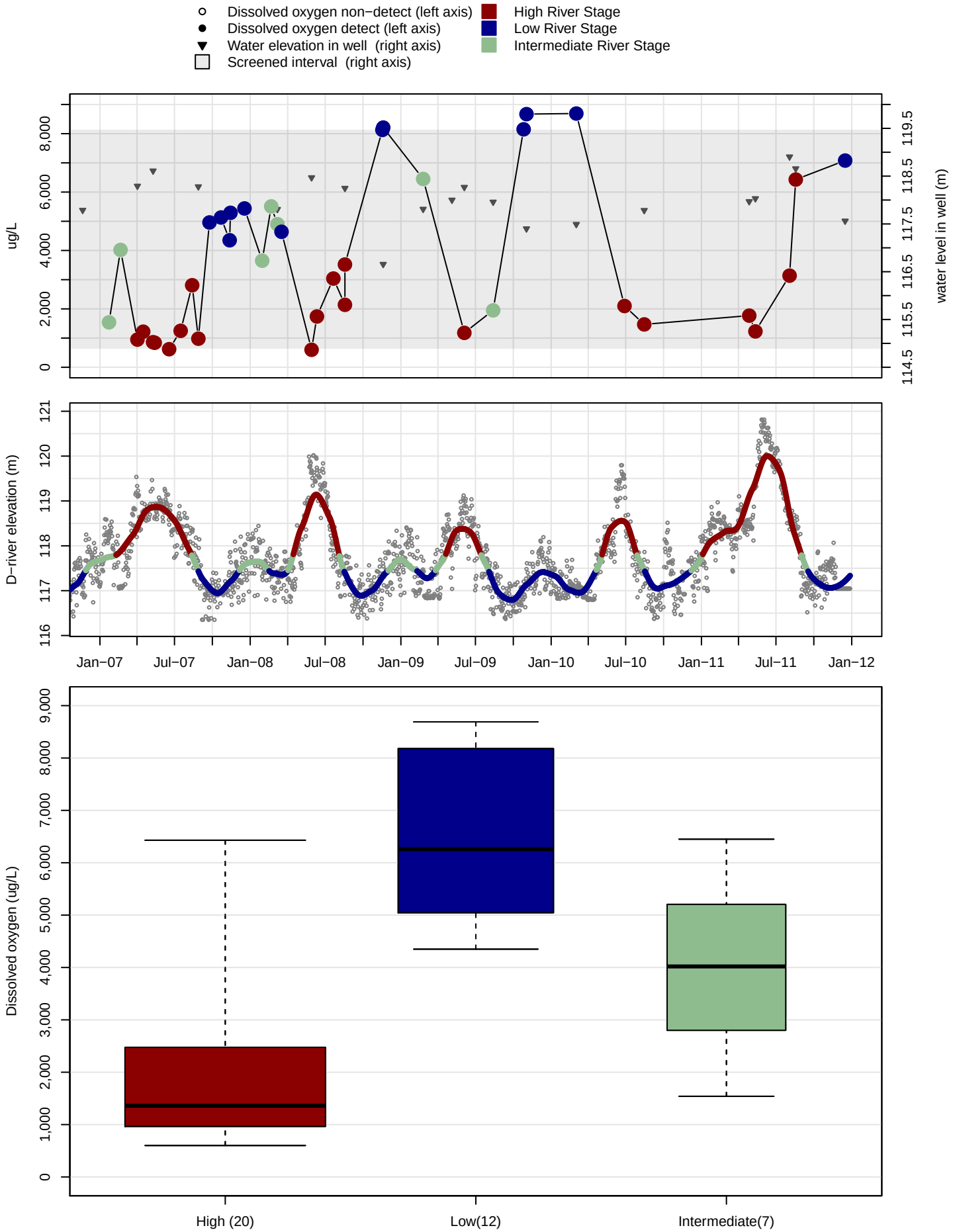
Mann Whitney p = 4.66e−03 t−test p = 2.95e−03

199−D4−35 (130m) Lag (Indeterminate)



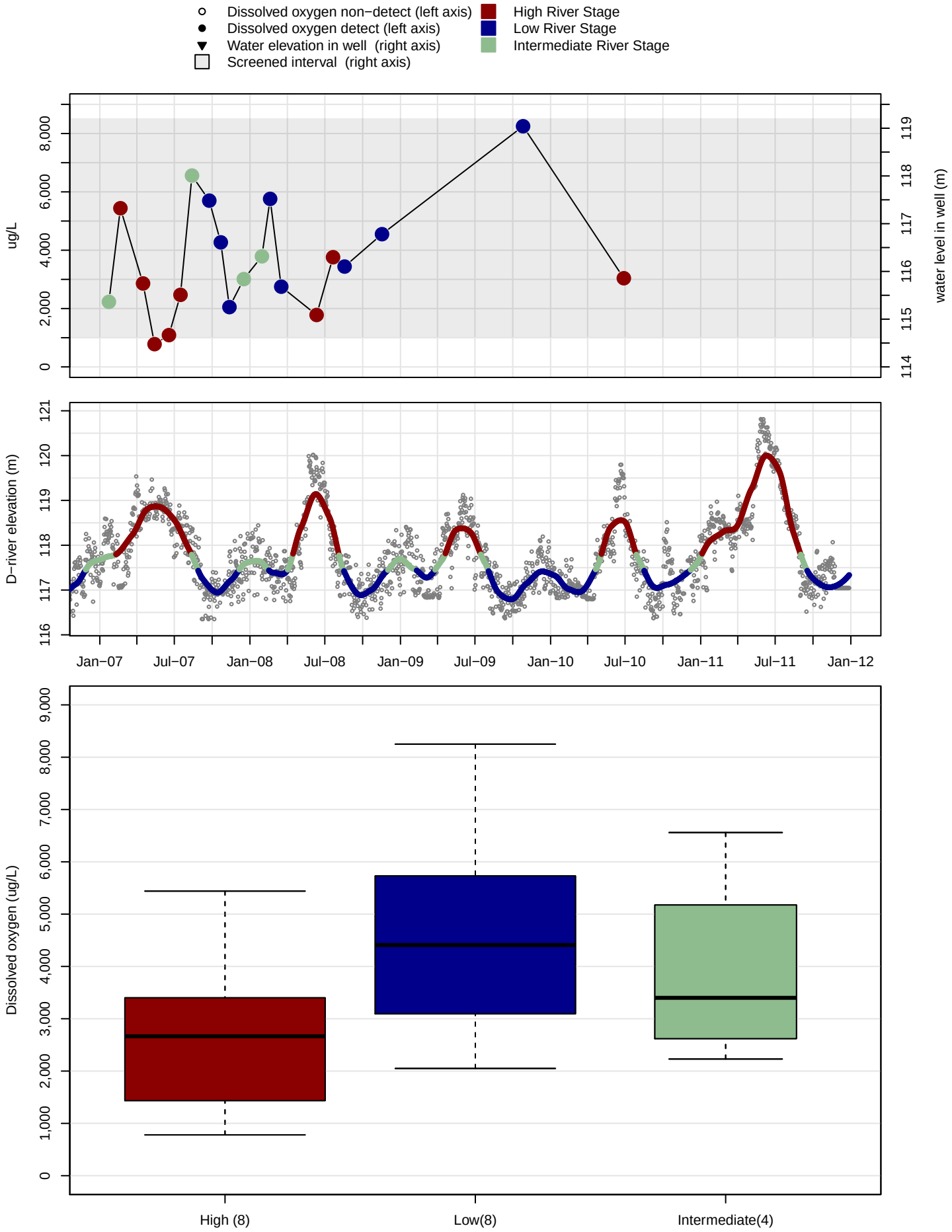
Mann Whitney p = 9.55e−01 t−test p = 9.21e−01

199−D4−36 (129m) Lag (25 Days)



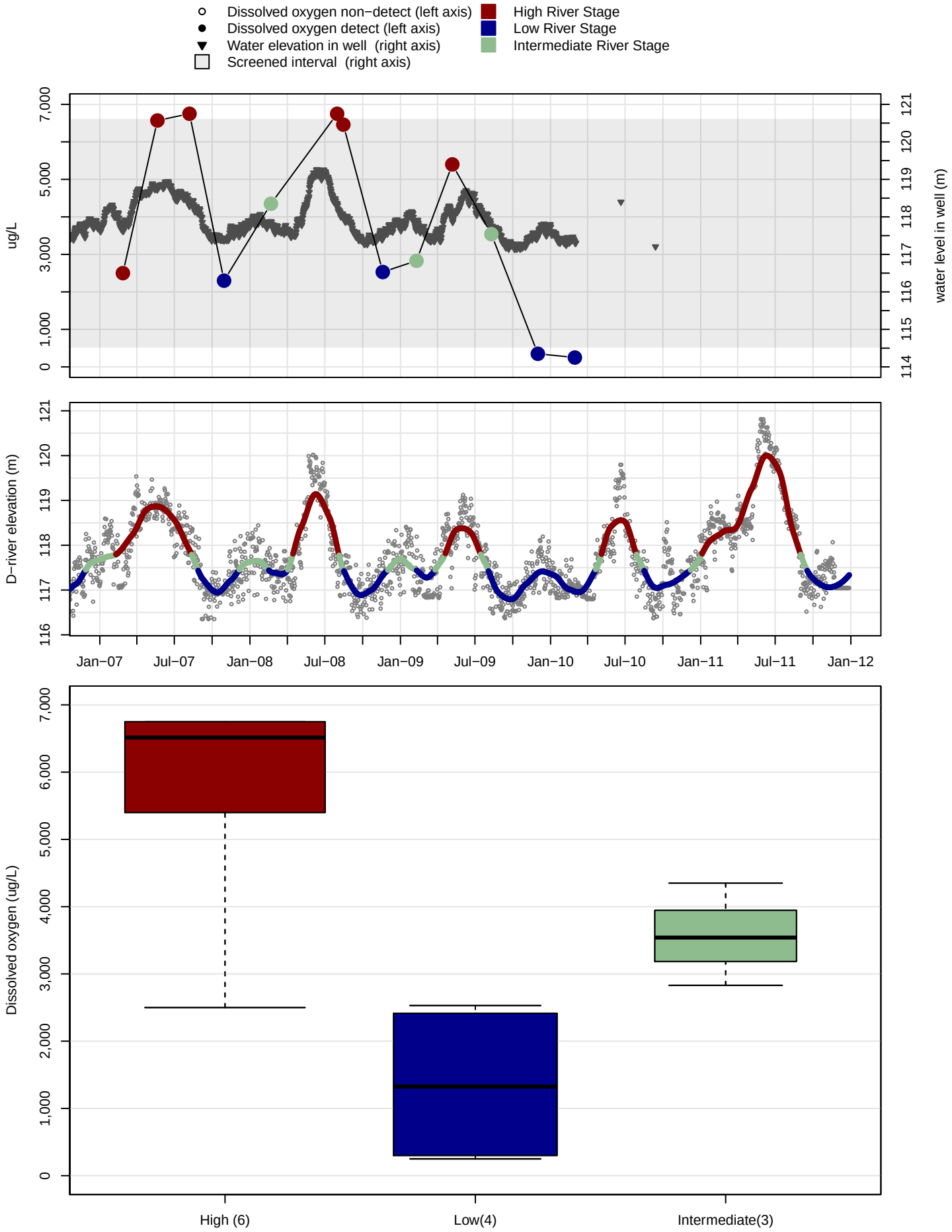
Mann Whitney p = 2.66e−07 t−test p = 1.64e−07

199−D4−37 (119m) Lag (Indeterminate)



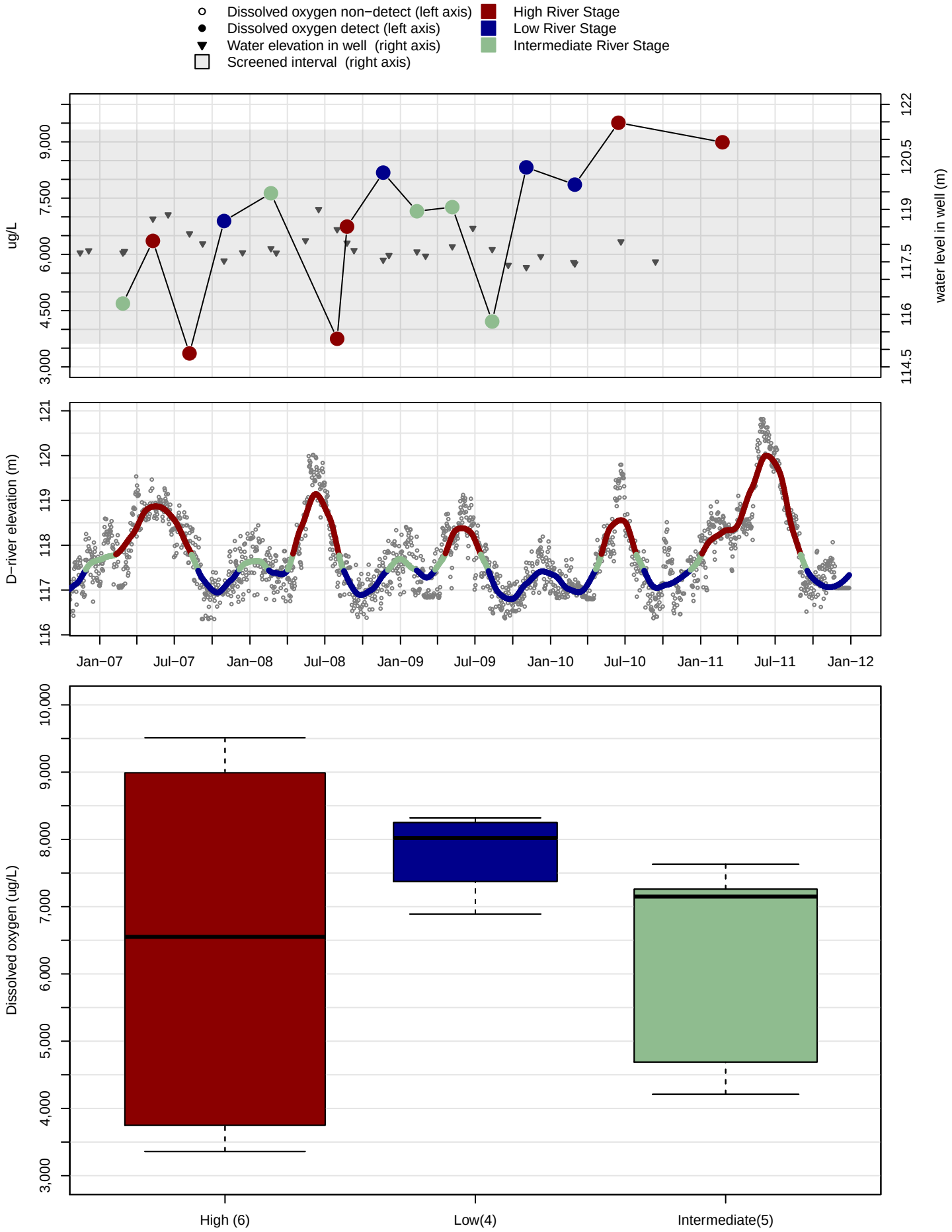
Mann Whitney p = 4.99e−02 t−test p = 4.52e−02

199−D4−38* (93m) Lag (14 Days)



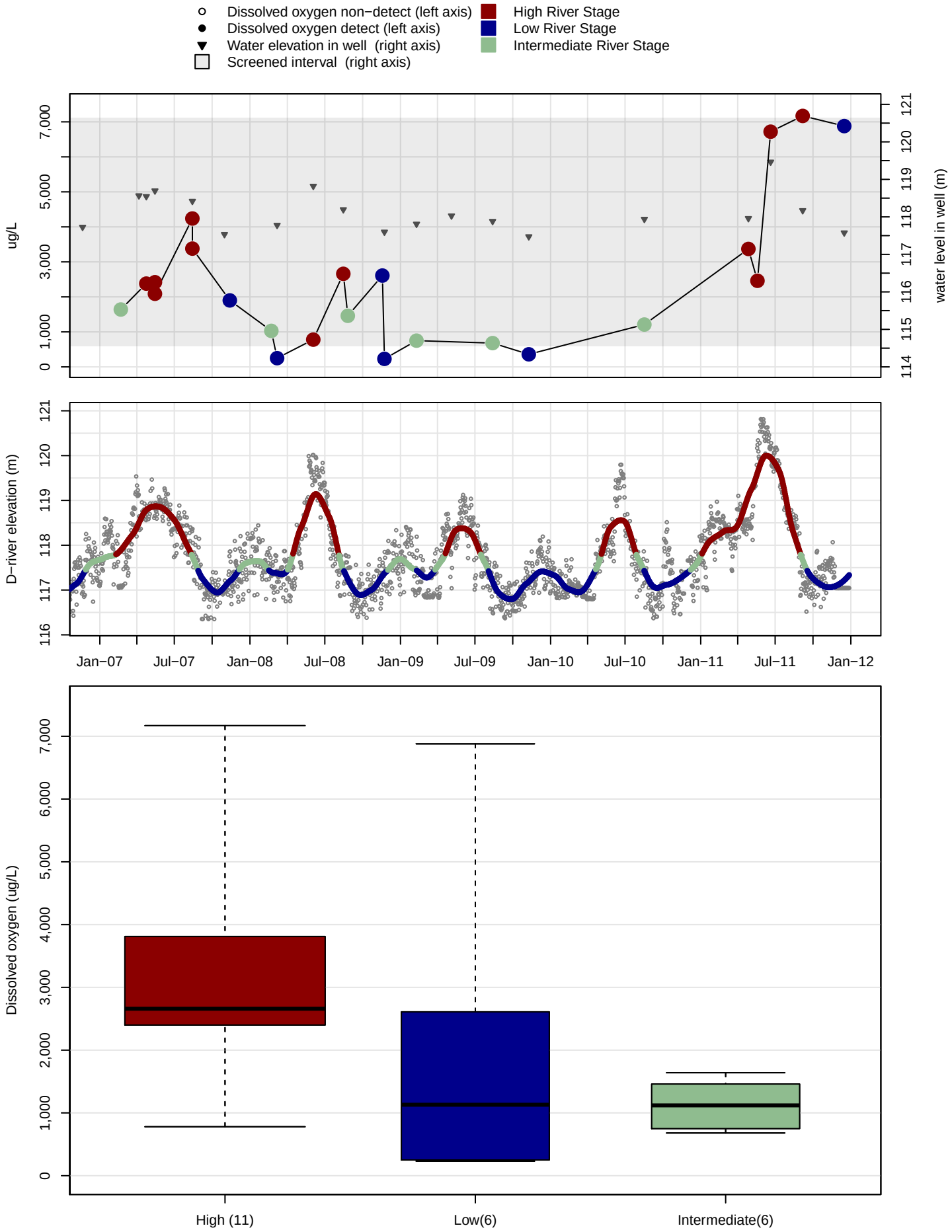
Mann Whitney p = 1.9e−02 t−test p = 1.47e−03

199−D4−39* (59m) Lag (19 Days)



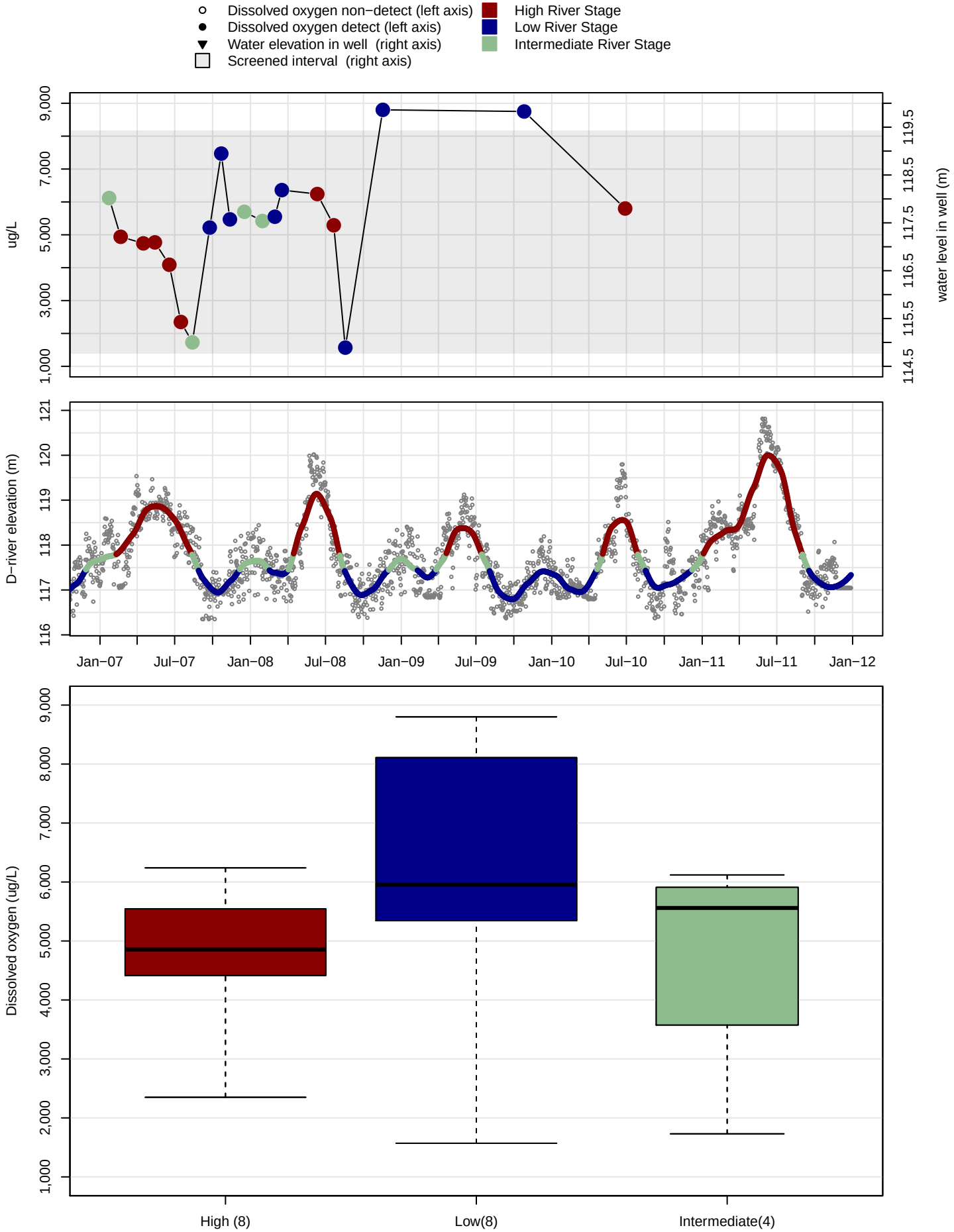
Mann Whitney p = 4.76e−01 t−test p = 2.6e−01

199−D4−4 (124m) Lag (17 Days)



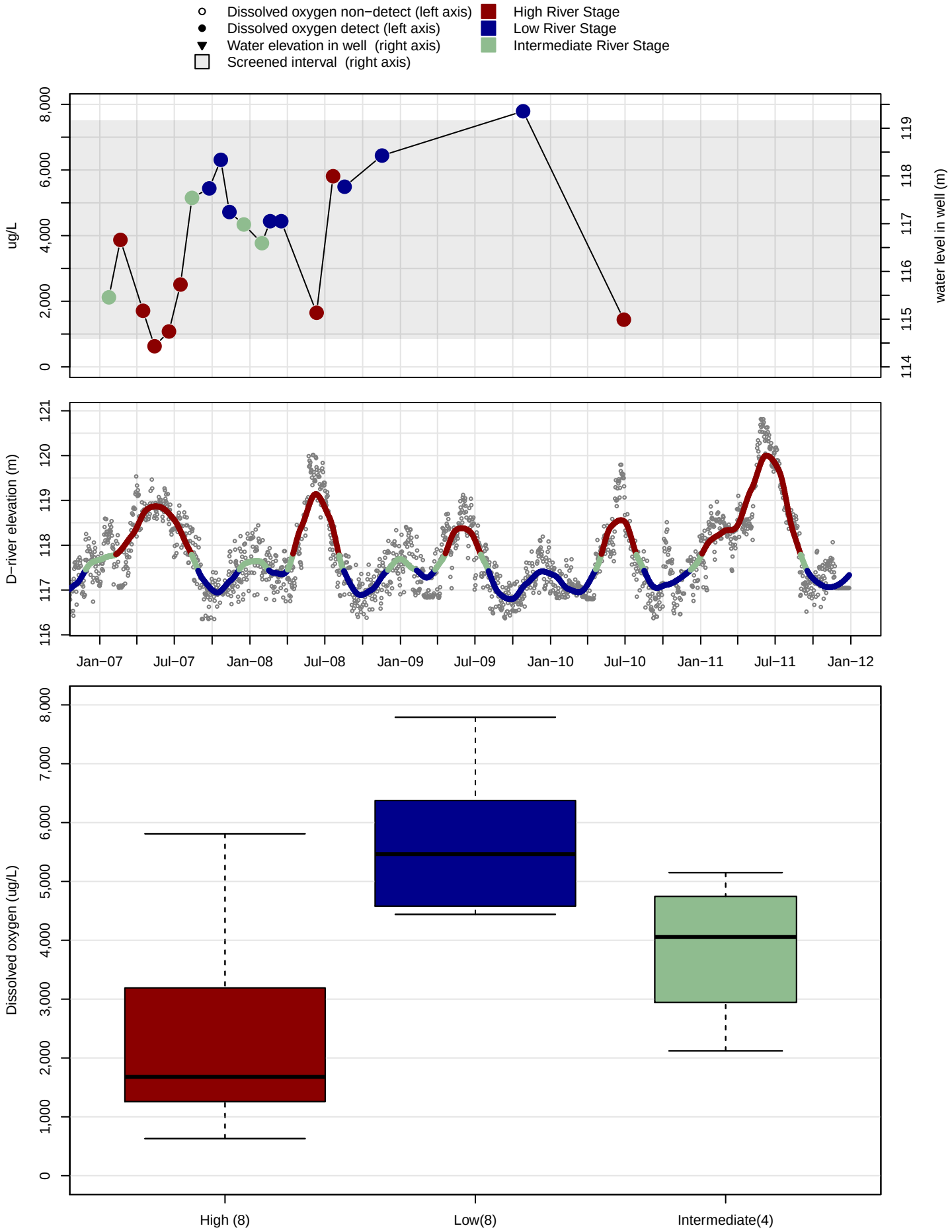
Mann Whitney p = 9.83e−02 t−test p = 2.82e−01

199−D4−40 (120m) Lag (Indeterminate)



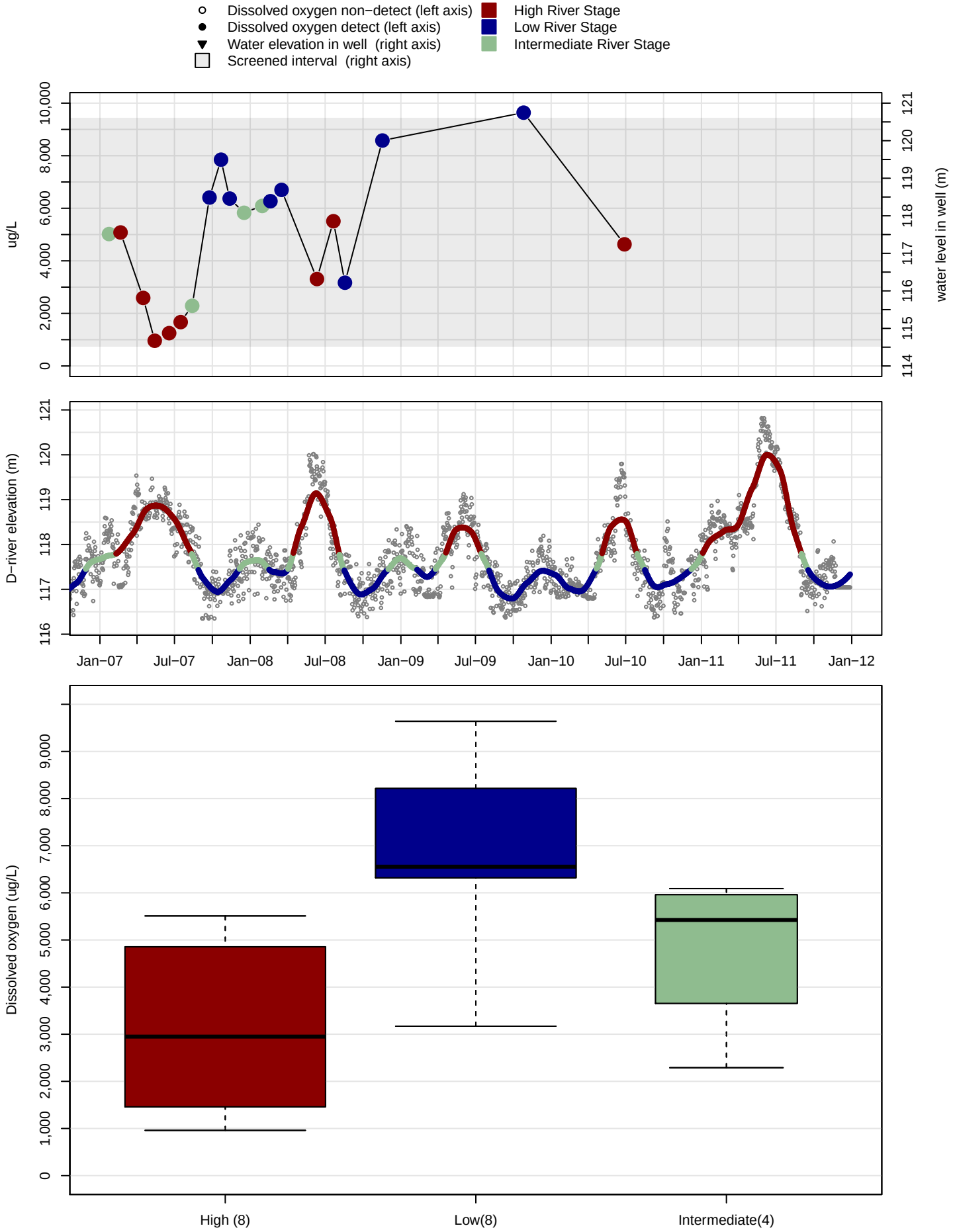
Mann Whitney p = 8.3e−02 t−test p = 1.69e−01

199−D4−41 (111m) Lag (Indeterminate)



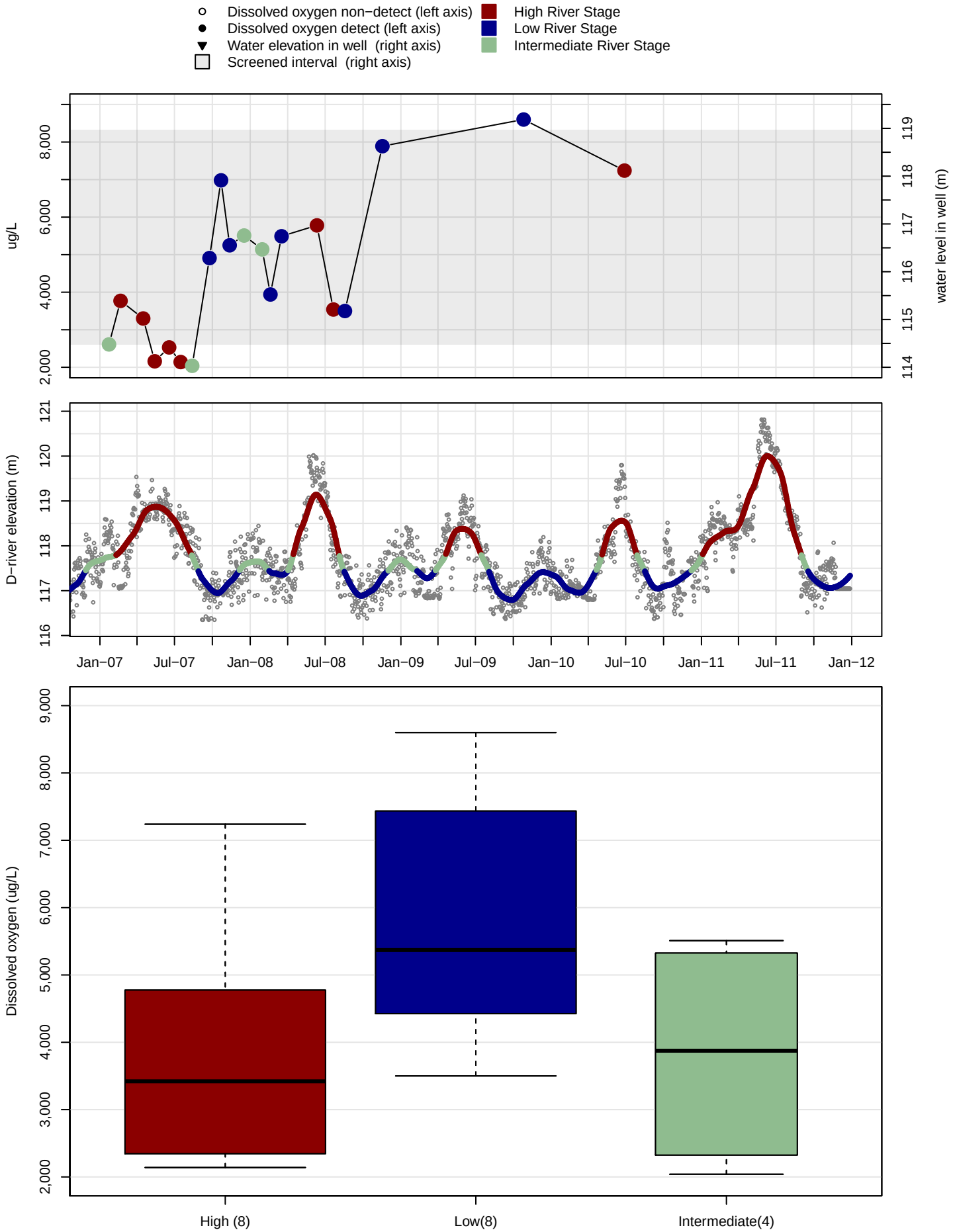
Mann Whitney p = 2.49e−03 t−test p = 6.86e−04

199−D4−42 (112m) Lag (Indeterminate)



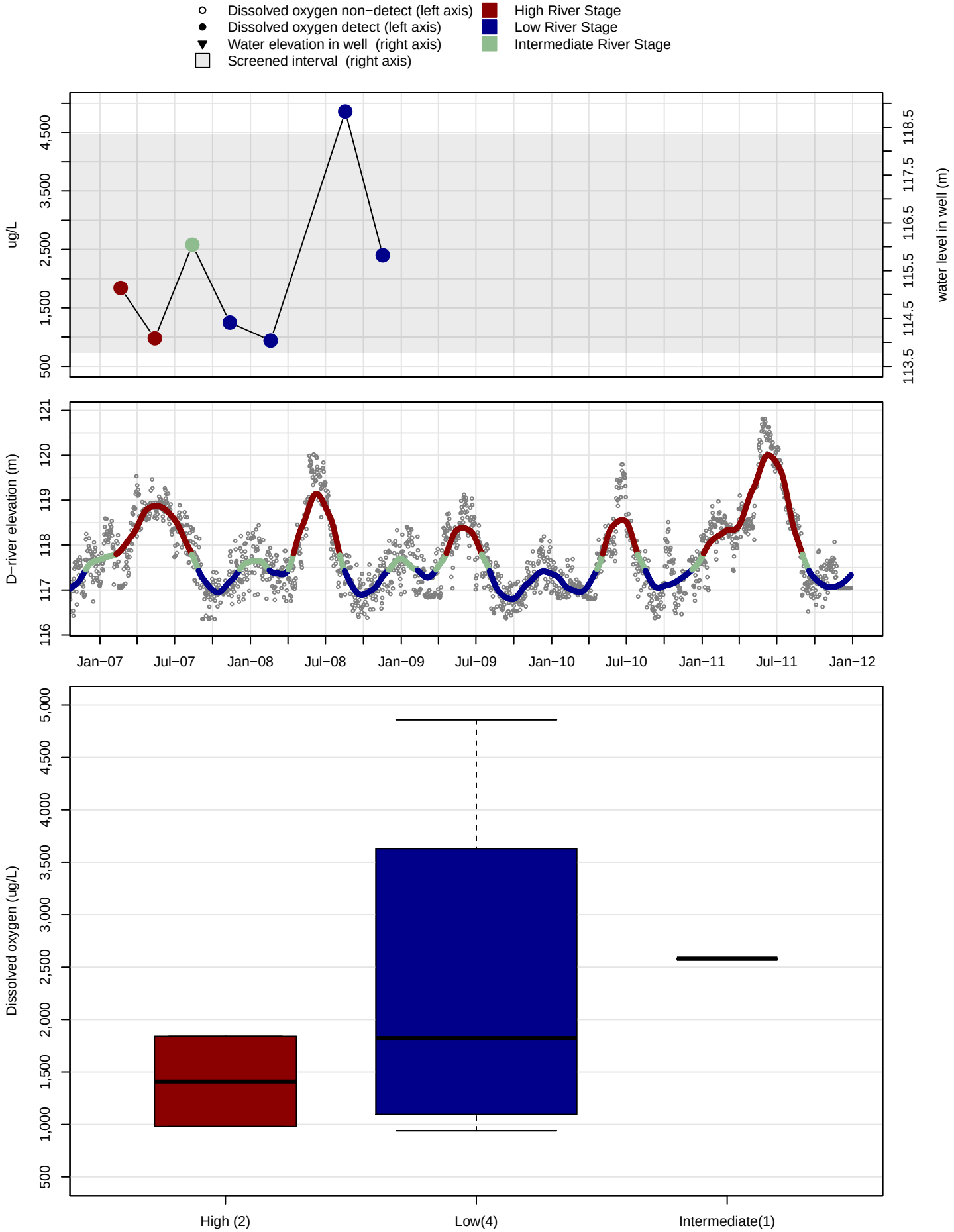
Mann Whitney p = 1.86e−03 t−test p = 1.26e−03

199−D4−43 (104m) Lag (Indeterminate)



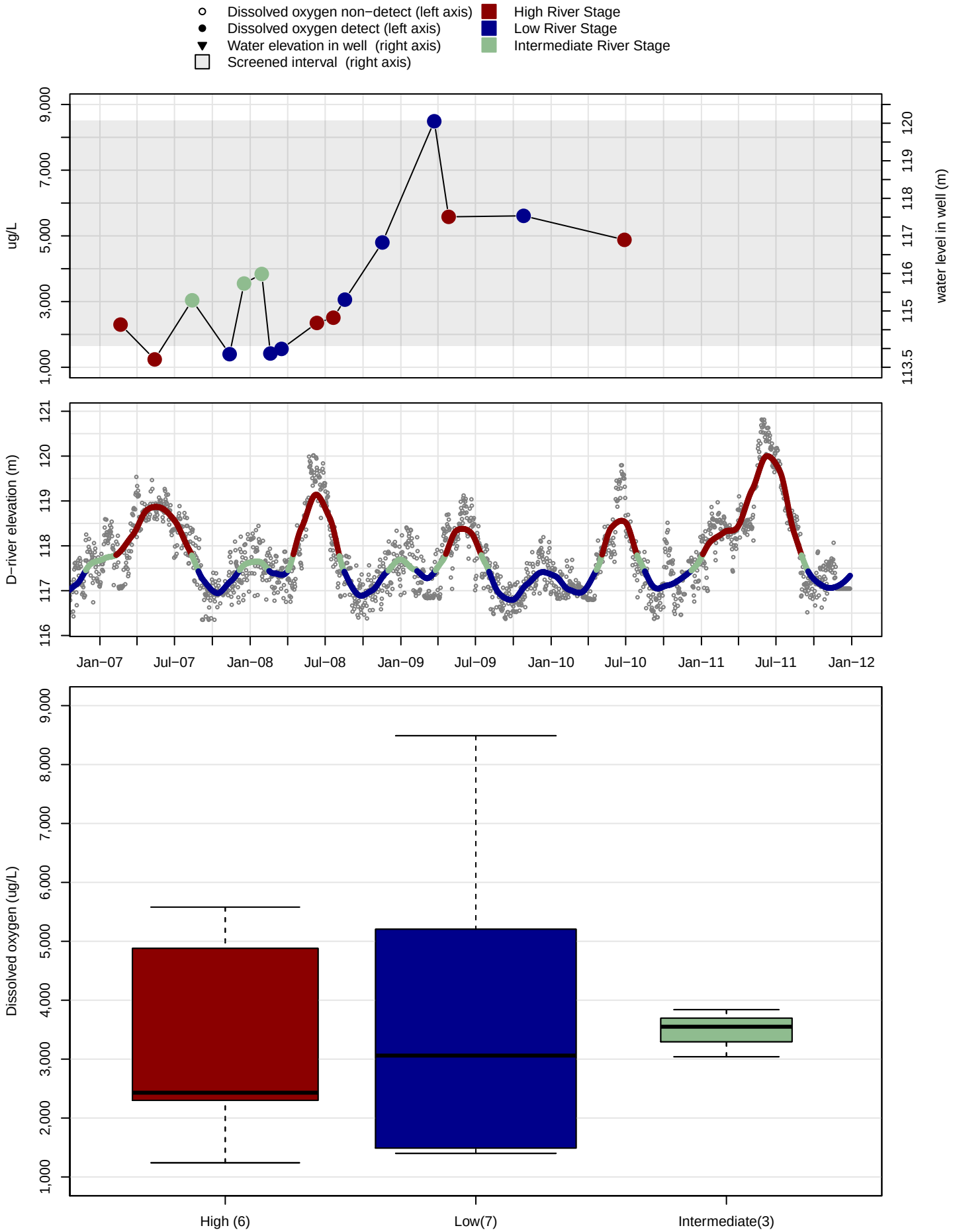
Mann Whitney p = 4.99e−02 t−test p = 4.47e−02

199−D4−44 (101m) Lag (Indeterminate)



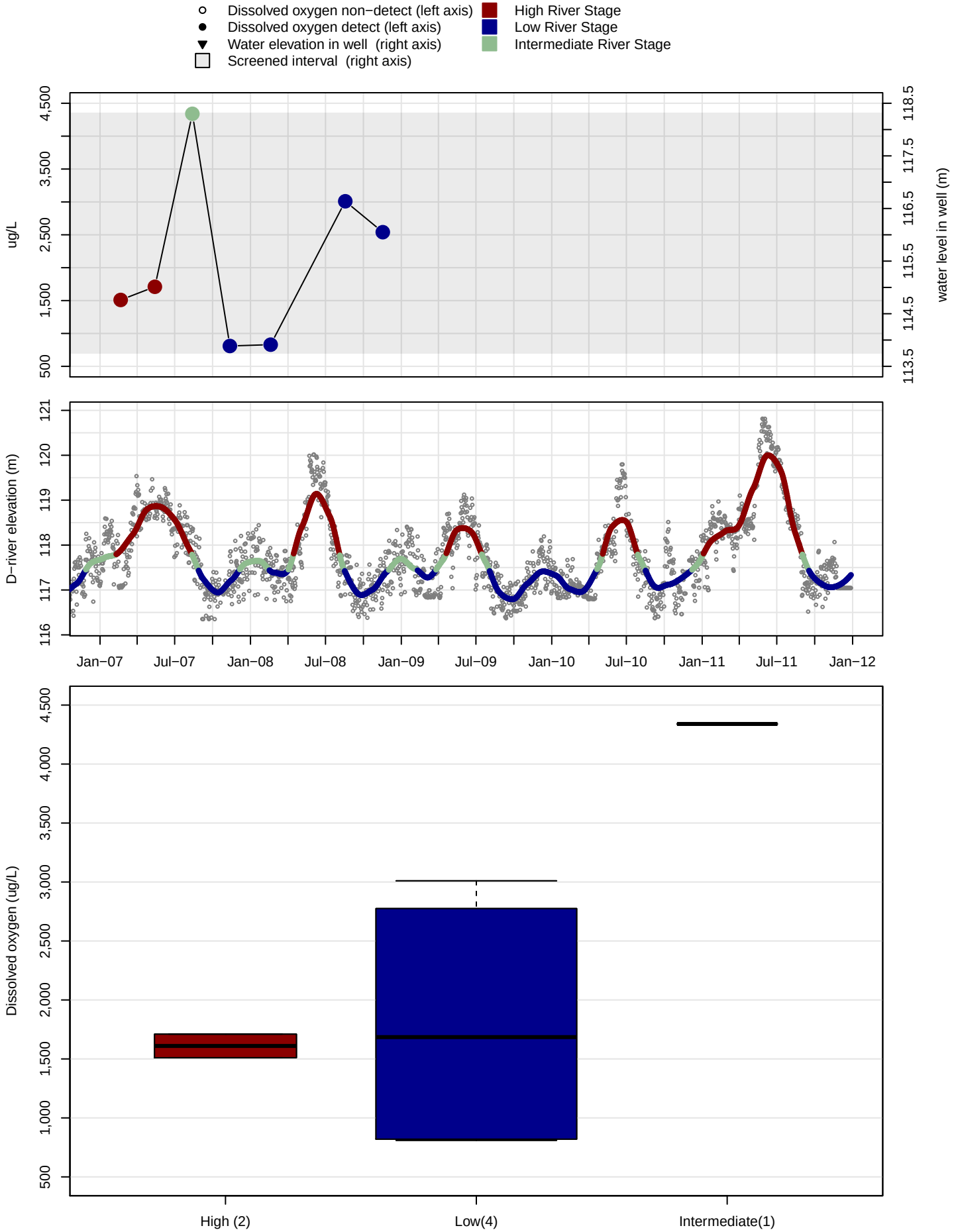
Mann Whitney p = NA t−test p = NA

199−D4−45 (105m) Lag (Indeterminate)



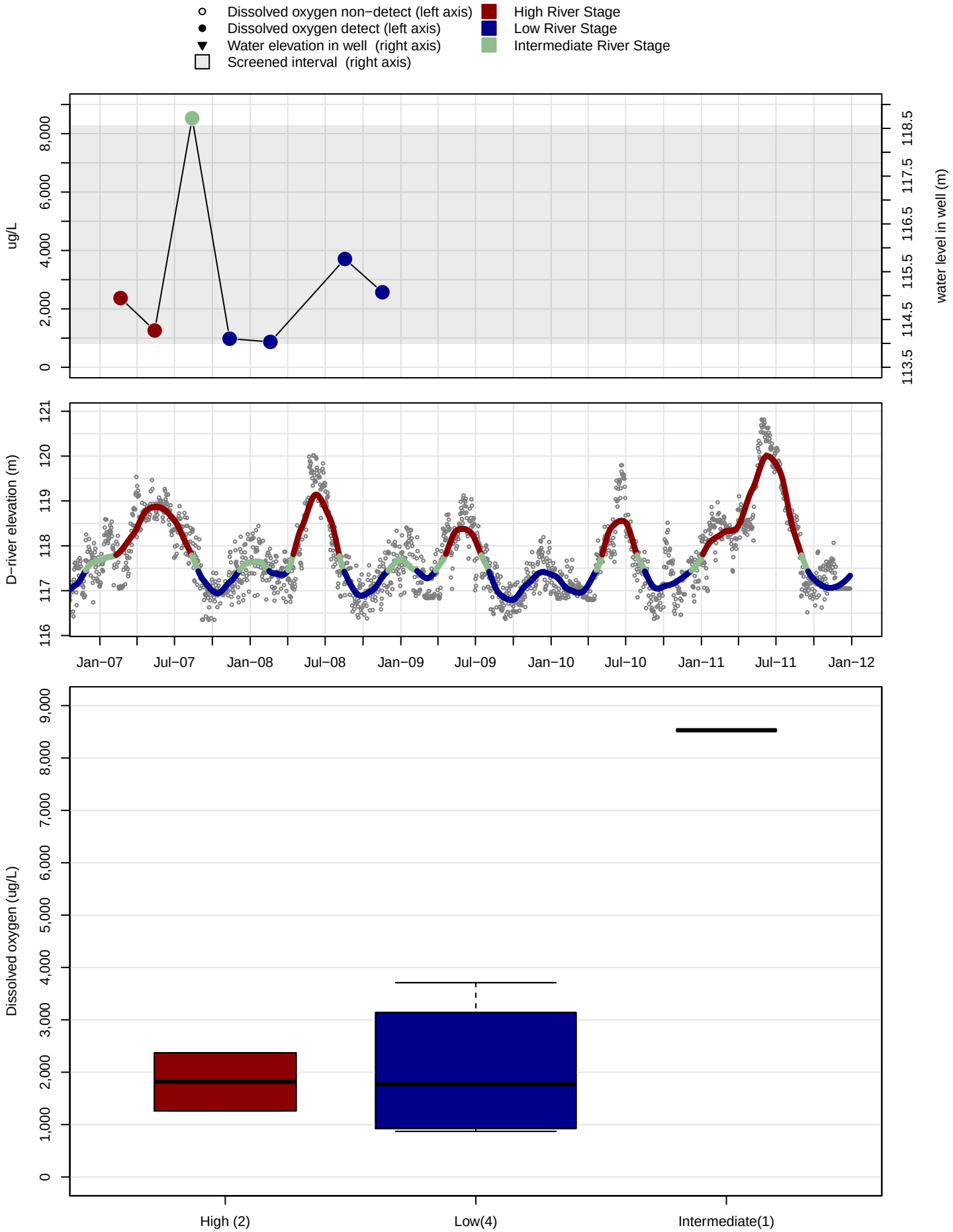
Mann Whitney p = 8.36e−01 t−test p = 6.25e−01

199−D4−46 (95m) Lag (Indeterminate)



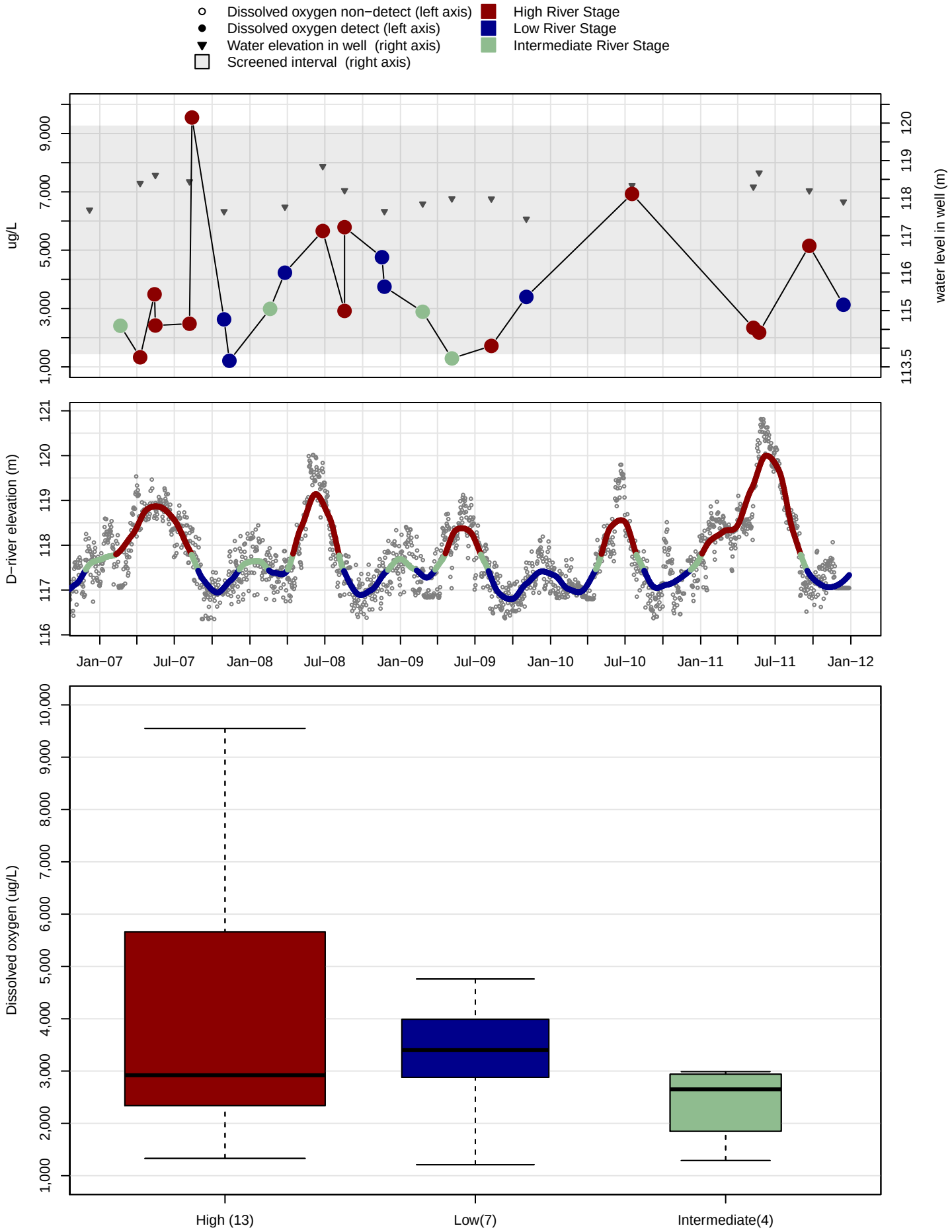
Mann Whitney p = NA t−test p = NA

199−D4−47 (100m) Lag (Indeterminate)



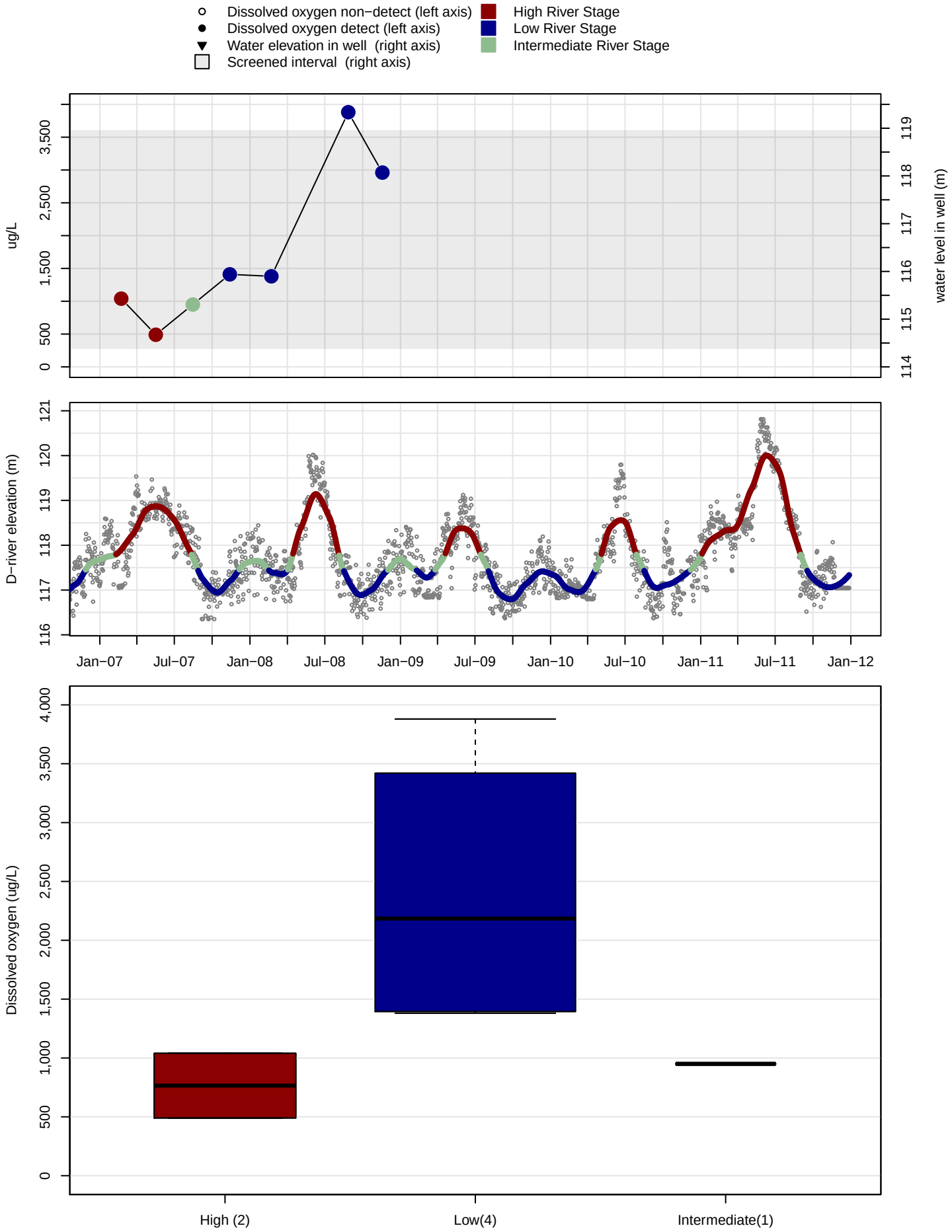
Mann Whitney p = NA t−test p = NA

199−D4−48 (92m) Lag (25 Days)



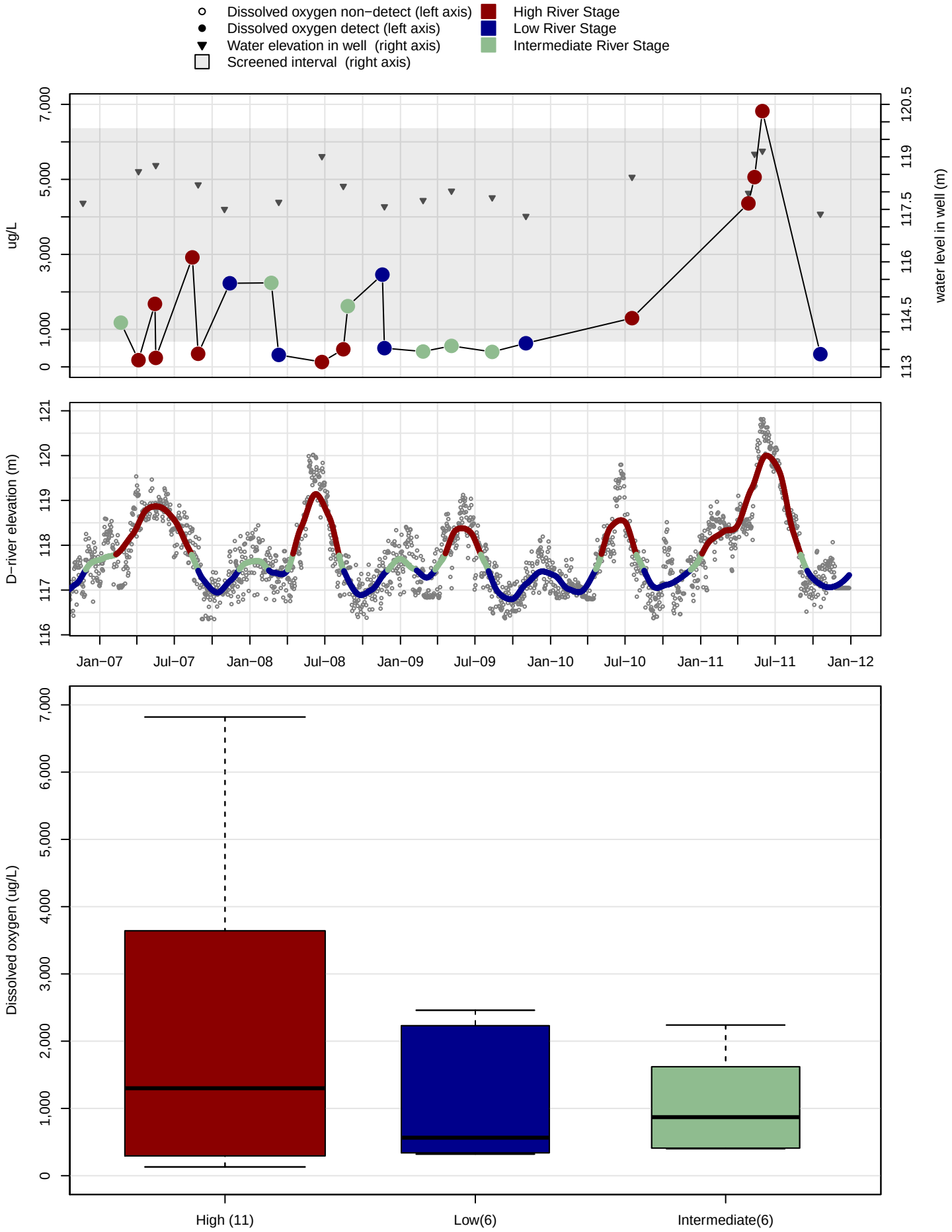
Mann Whitney p = 9.38e−01 t−test p = 3.99e−01

199−D4−49 (163m) Lag (Indeterminate)



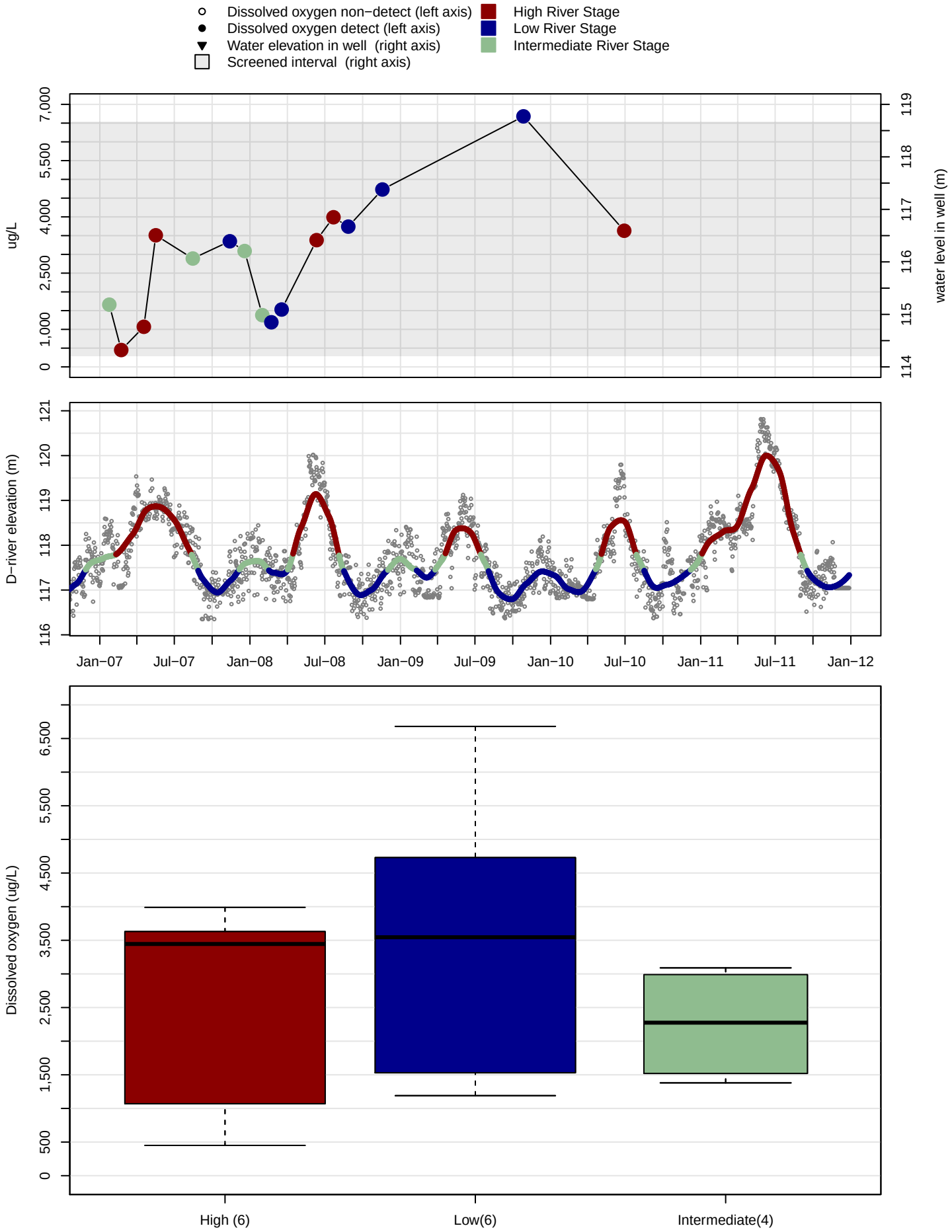
Mann Whitney p = NA t−test p = NA

199−D4−5 (132m) Lag (17 Days)



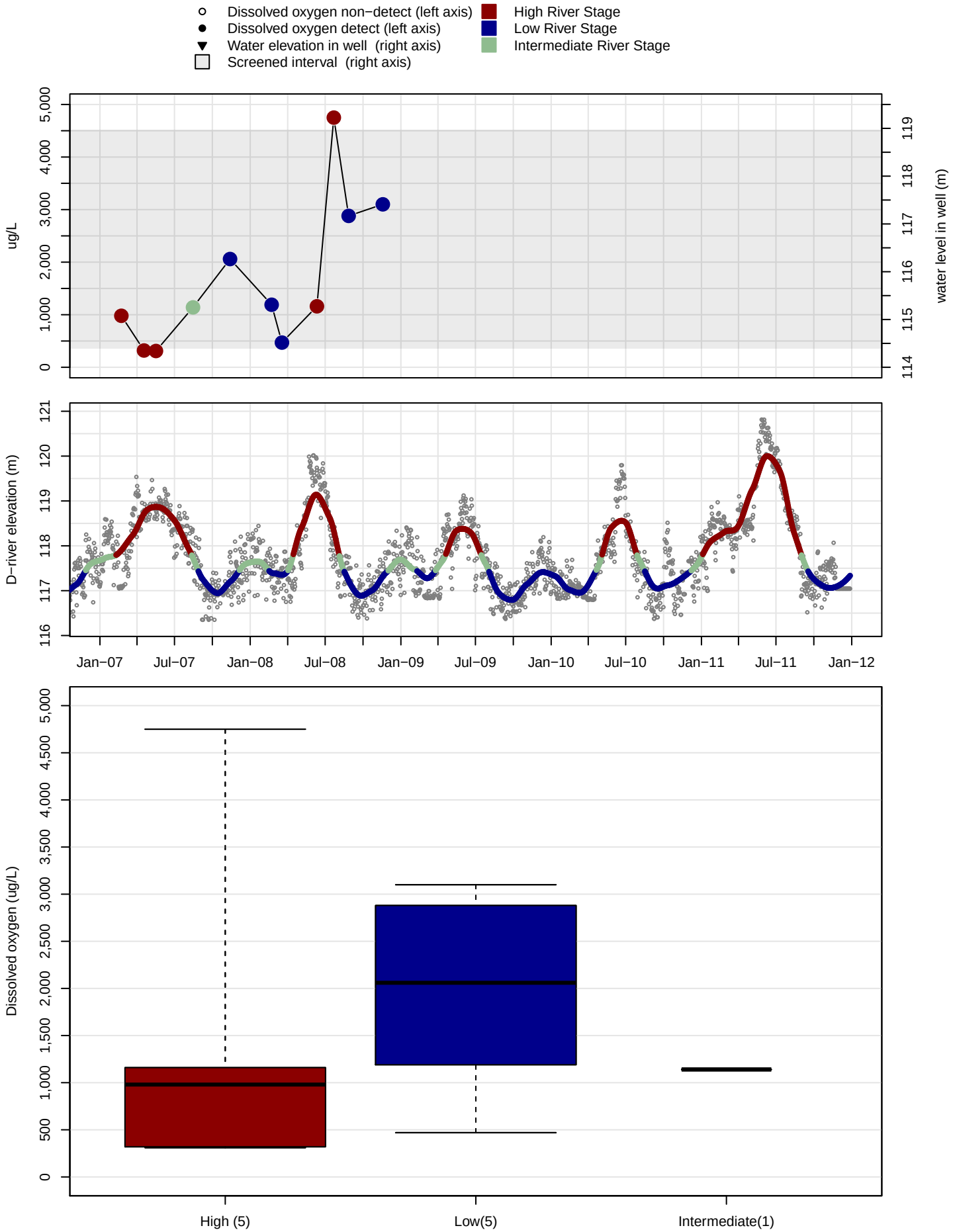
Mann Whitney p = 8.08e−01 t−test p = 2.12e−01

199−D4−50 (157m) Lag (Indeterminate)



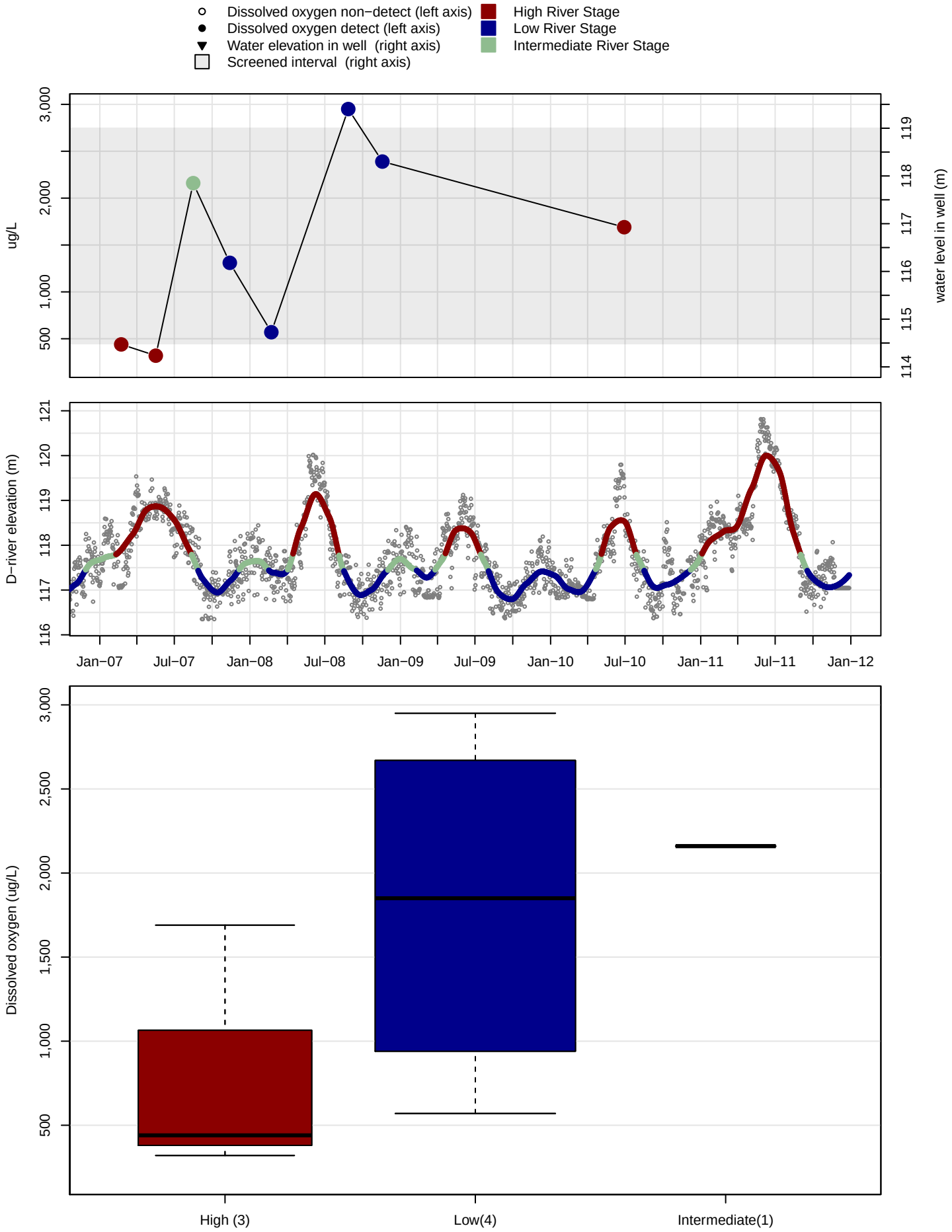
Mann Whitney p = 4.85e−01 t−test p = 4.25e−01

199−D4−51 (165m) Lag (Indeterminate)



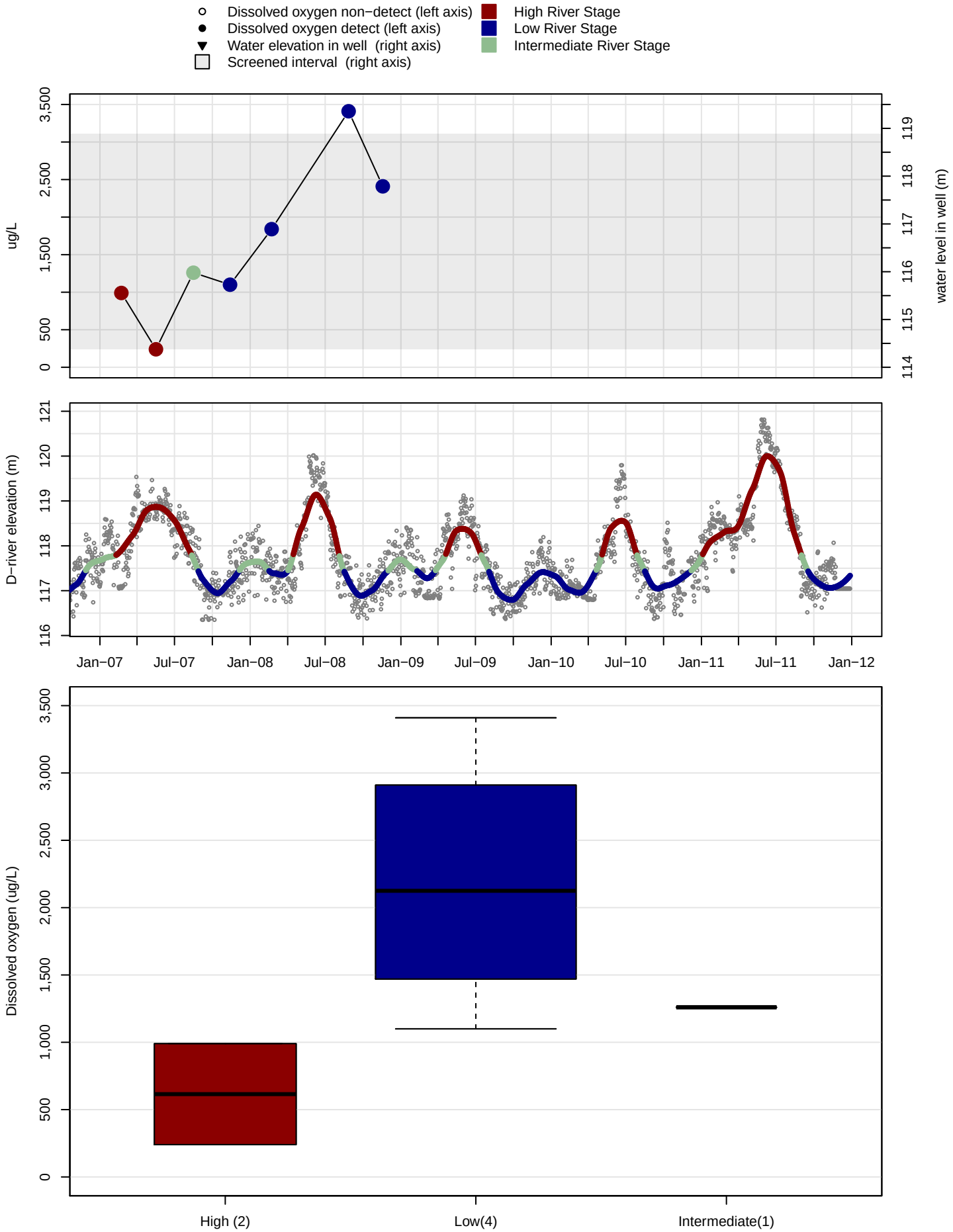
Mann Whitney p = 3.1e−01 t−test p = 6.67e−01

199−D4−52 (160m) Lag (Indeterminate)



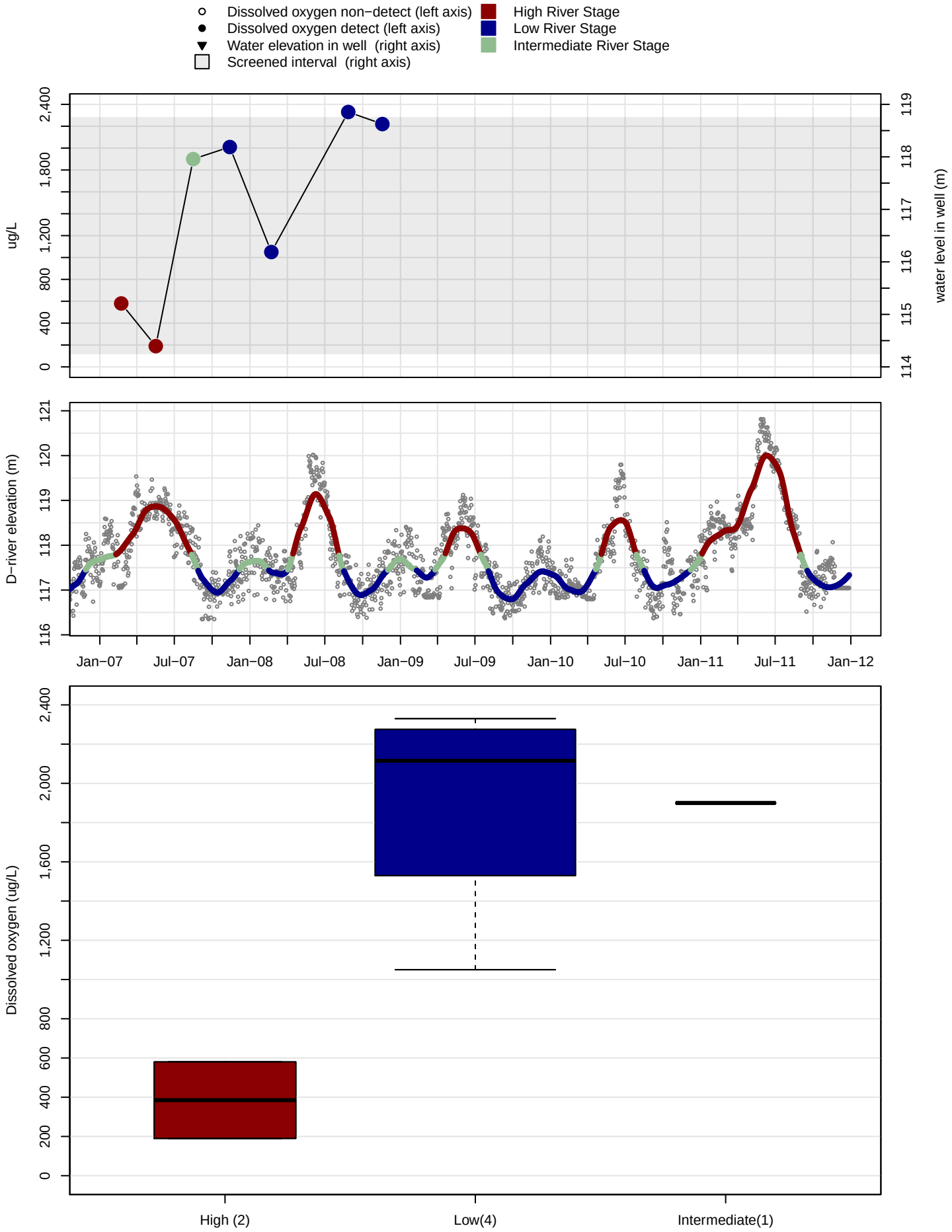
Mann Whitney p = 2.29e−01 t−test p = 2.12e−01

199−D4−53 (168m) Lag (Indeterminate)



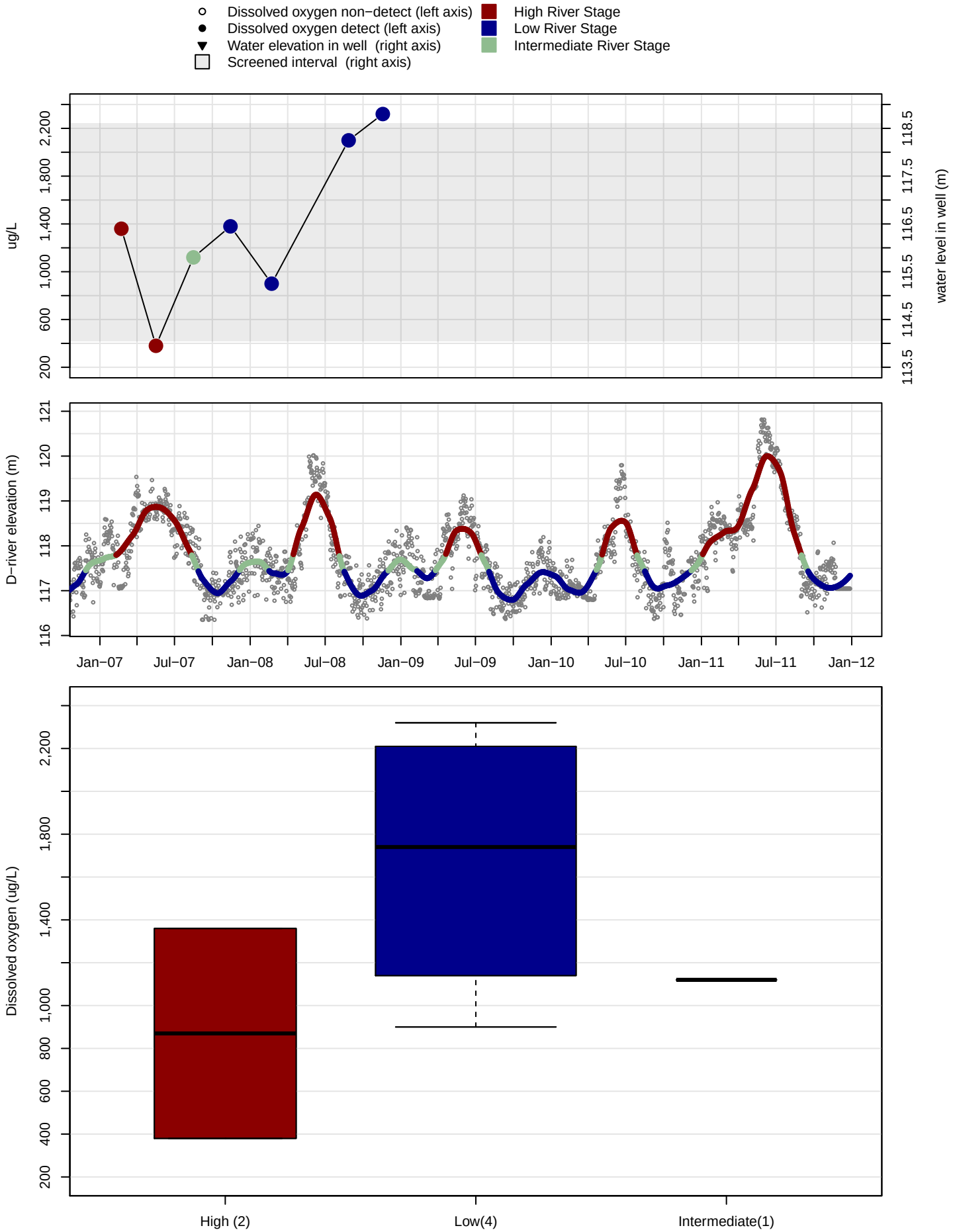
Mann Whitney p = NA t−test p = NA

199−D4−54 (163m) Lag (Indeterminate)



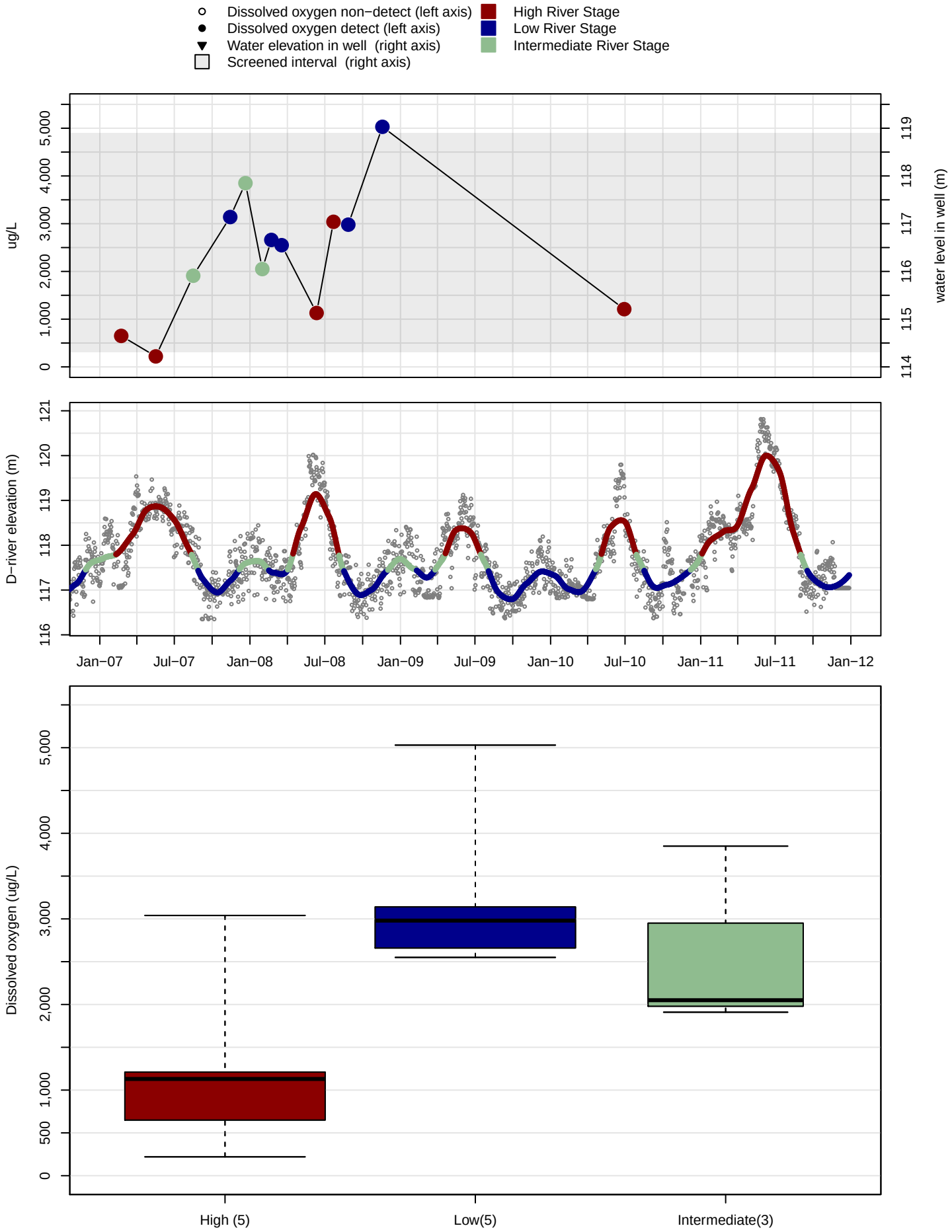
Mann Whitney p = NA t−test p = NA

199−D4−55 (164m) Lag (Indeterminate)



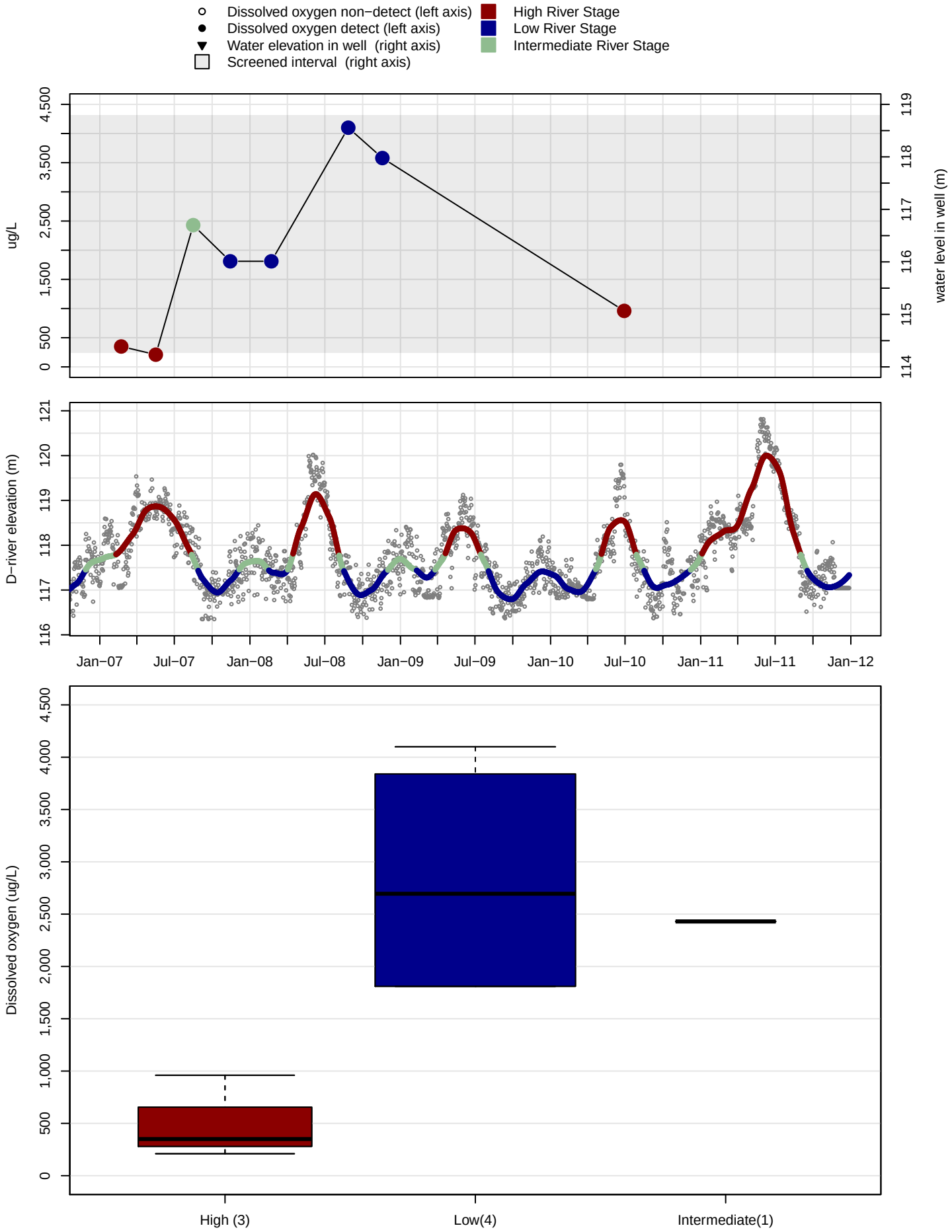
Mann Whitney p = NA t−test p = NA

199−D4−56 (171m) Lag (Indeterminate)



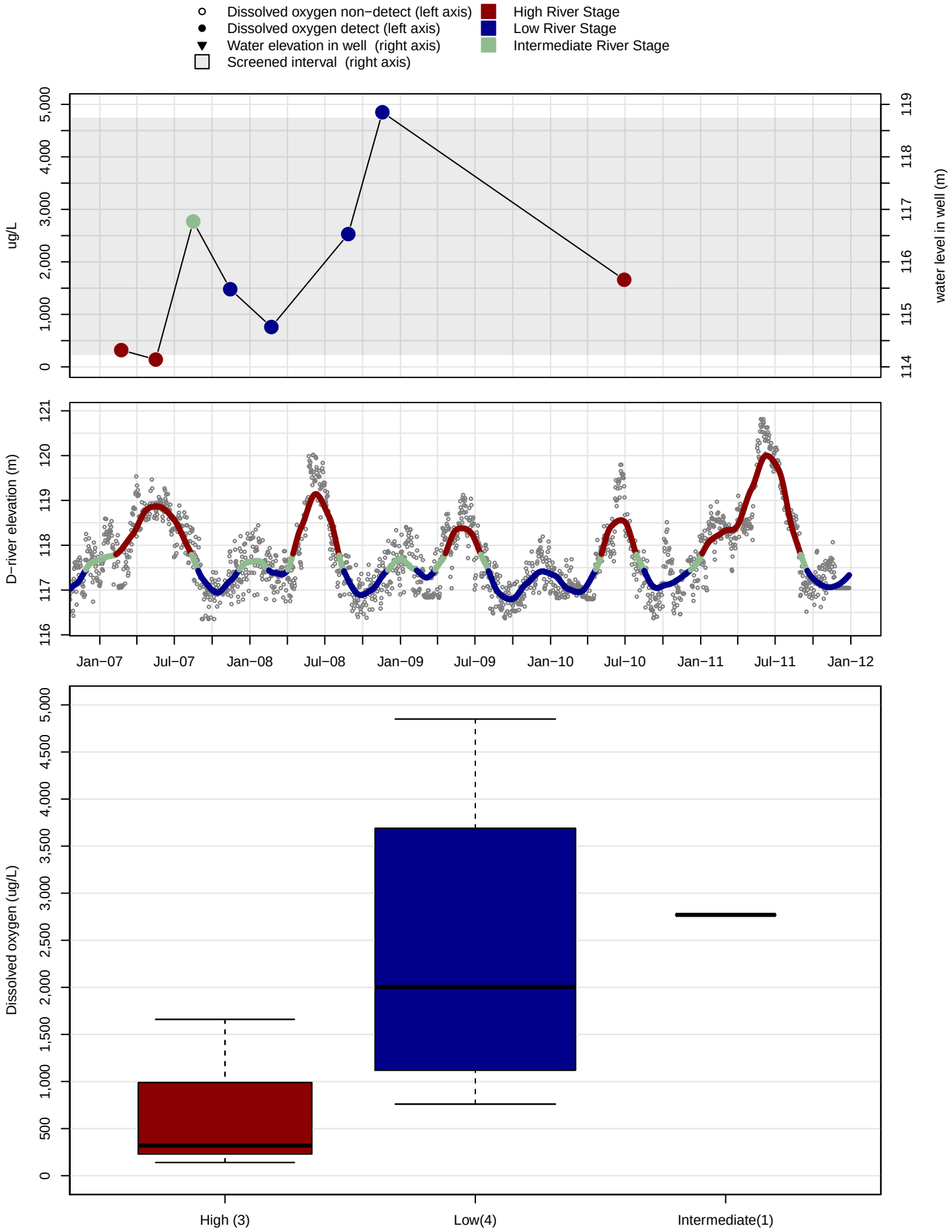
Mann Whitney p = 5.56e−02 t−test p = 1.56e−02

199−D4−57 (166m) Lag (Indeterminate)



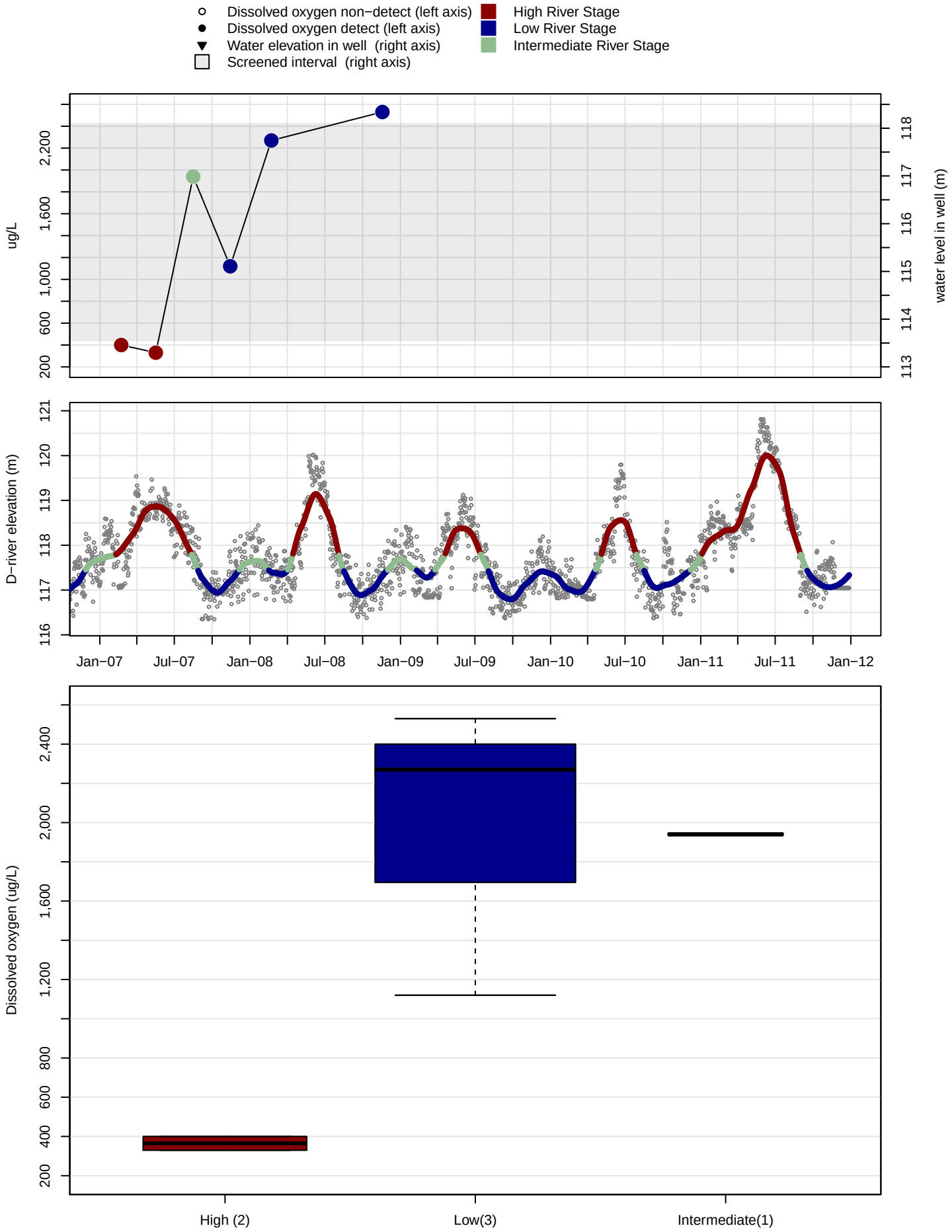
Mann Whitney p = 2.86e−02 t−test p = 2.38e−02

199−D4−58 (175m) Lag (Indeterminate)



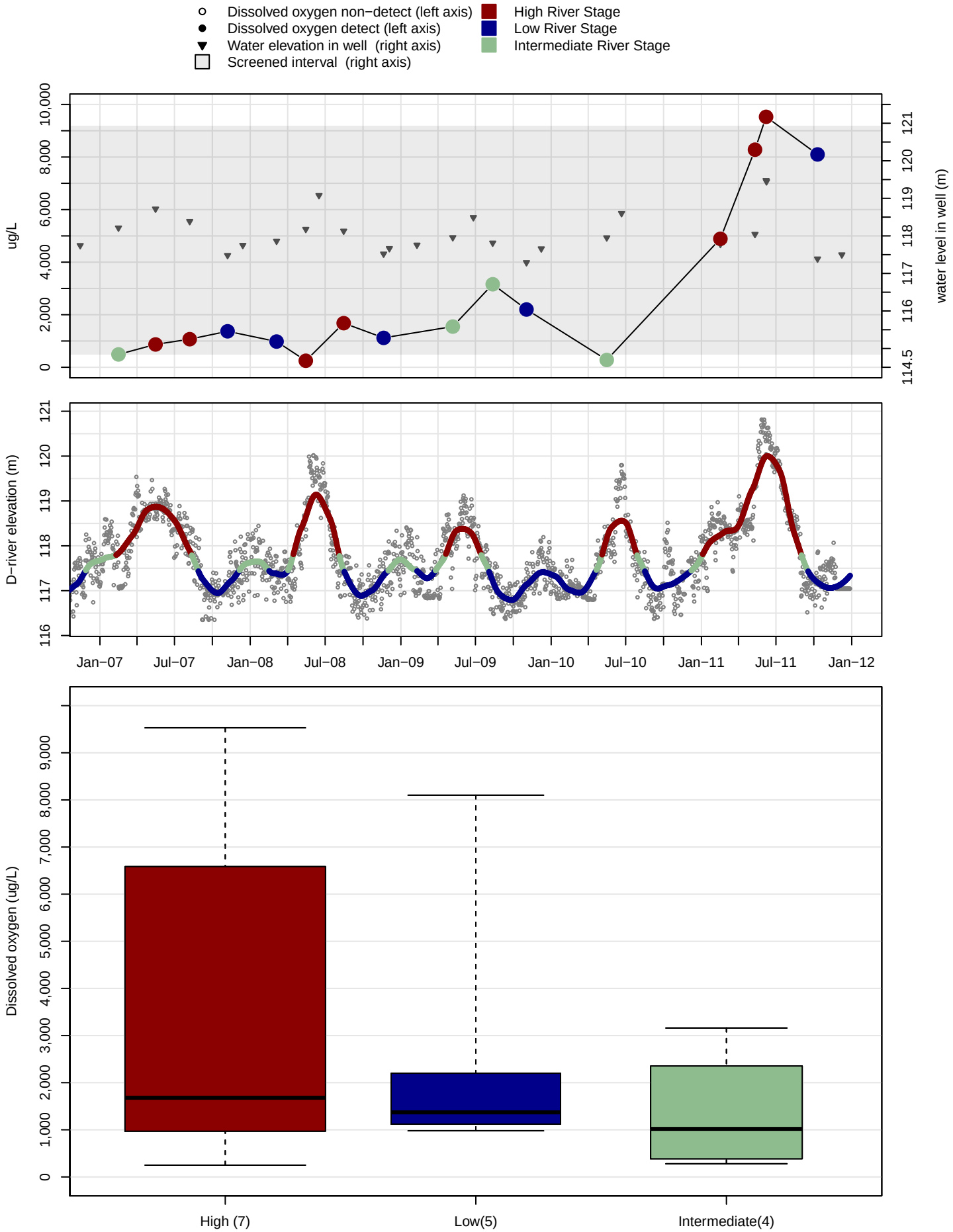
Mann Whitney p = 2.29e−01 t−test p = 1.62e−01

199−D4−59 (172m) Lag (Indeterminate)



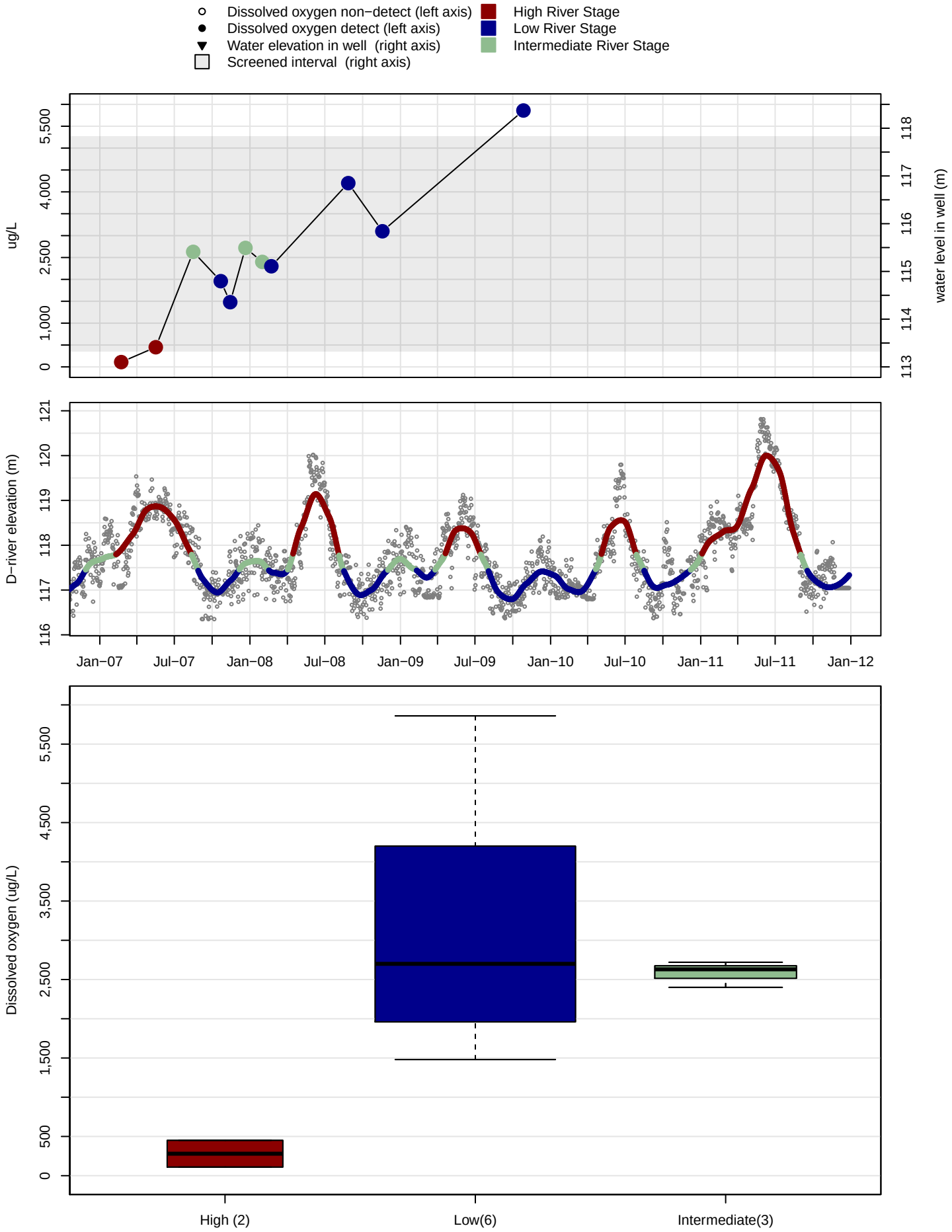
Mann Whitney p = NA t−test p = NA

199−D4−6 (110m) Lag (17 Days)



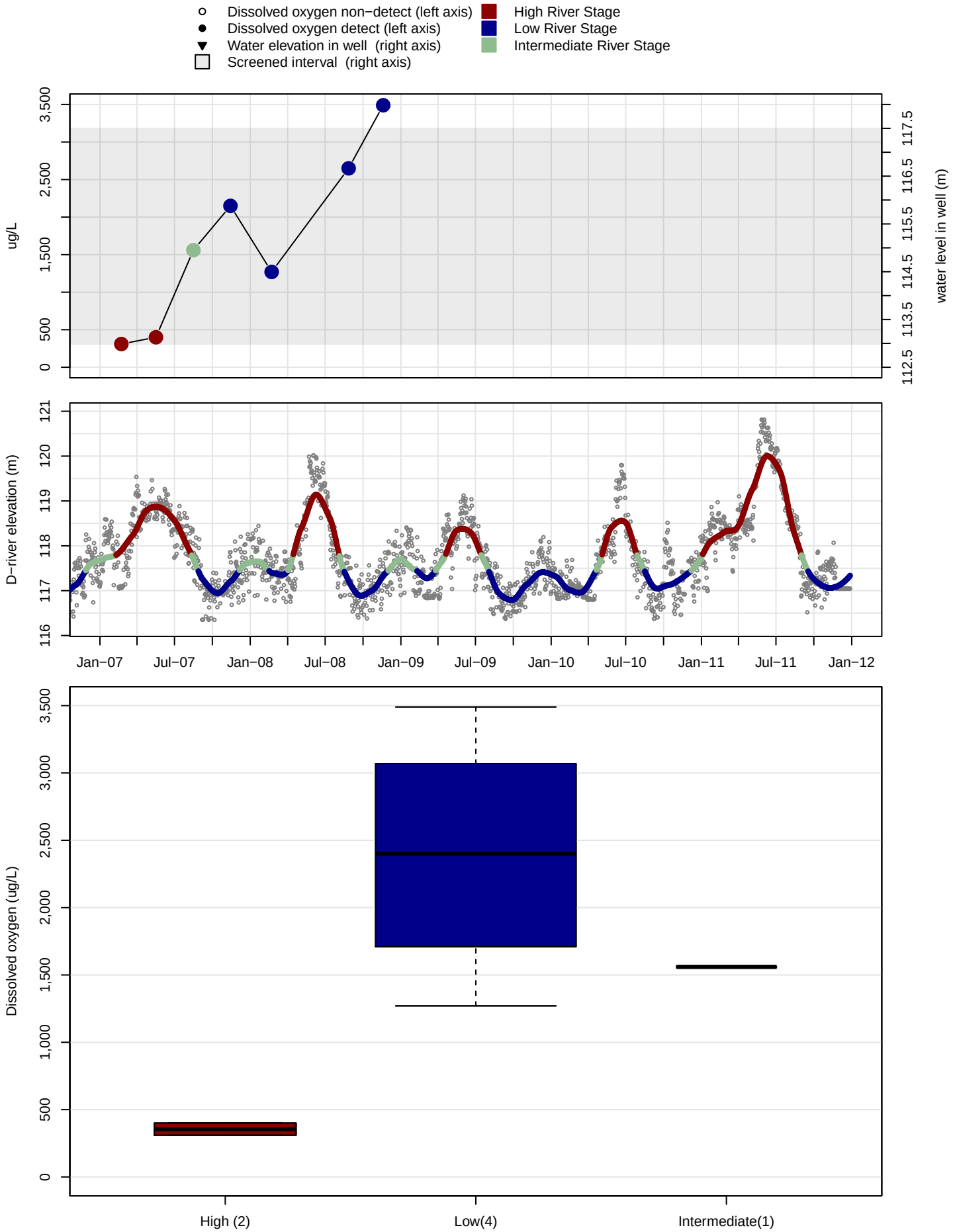
Mann Whitney p = 1e+00 t−test p = 6.1e−01

199−D4−60 (182m) Lag (Indeterminate)



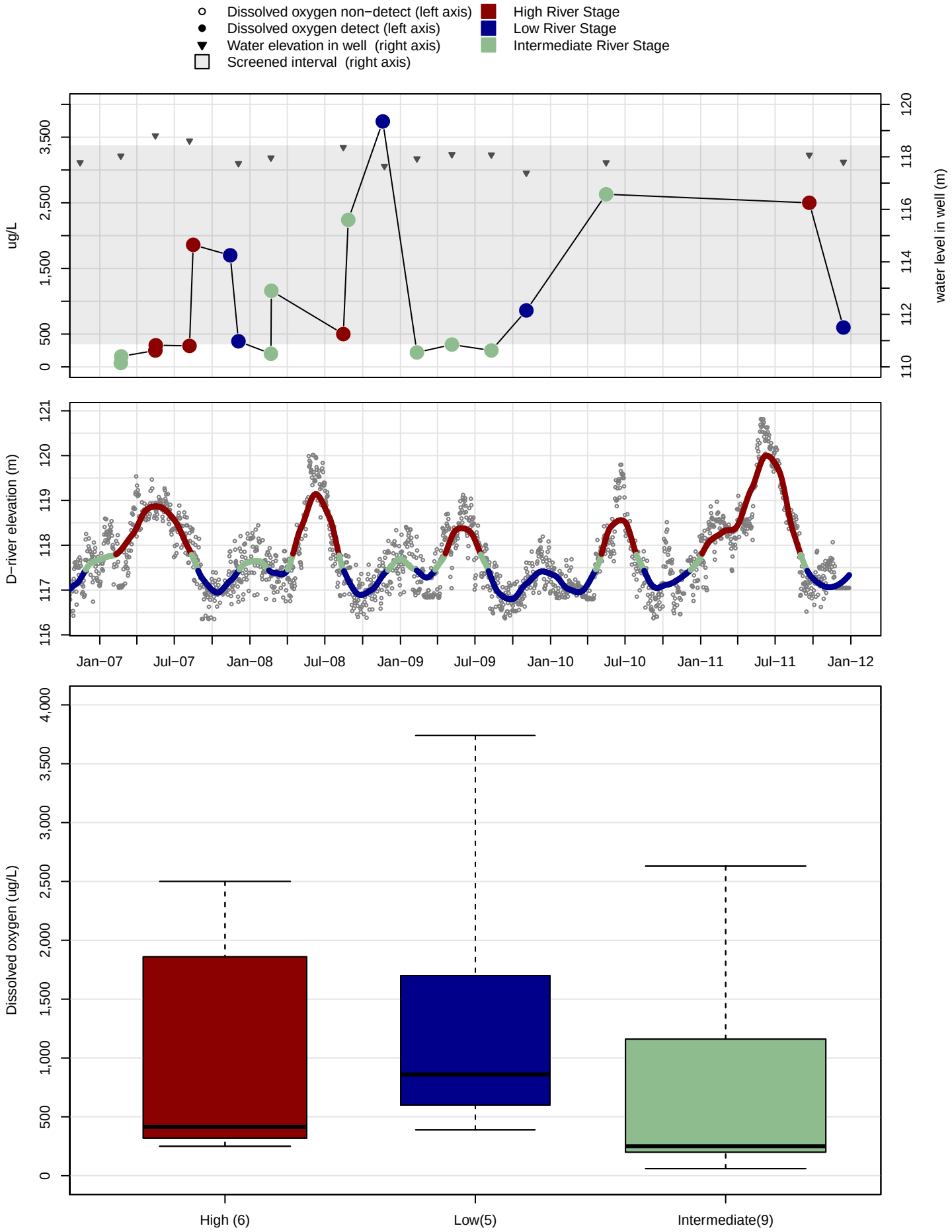
Mann Whitney p = NA t−test p = NA

199−D4−61 (178m) Lag (Indeterminate)



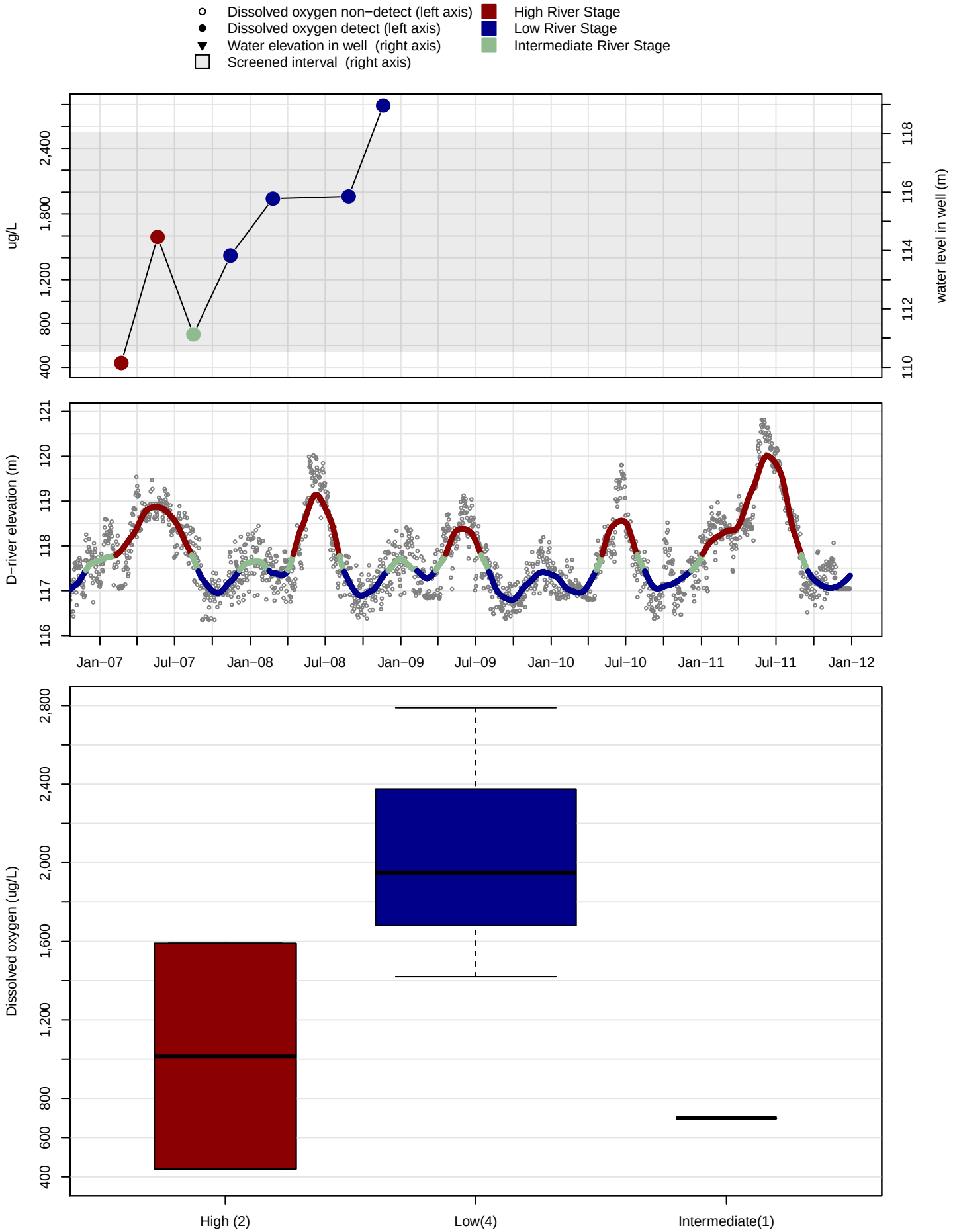
Mann Whitney p = NA t−test p = NA

199−D4−62 (185m) Lag (21 Days)



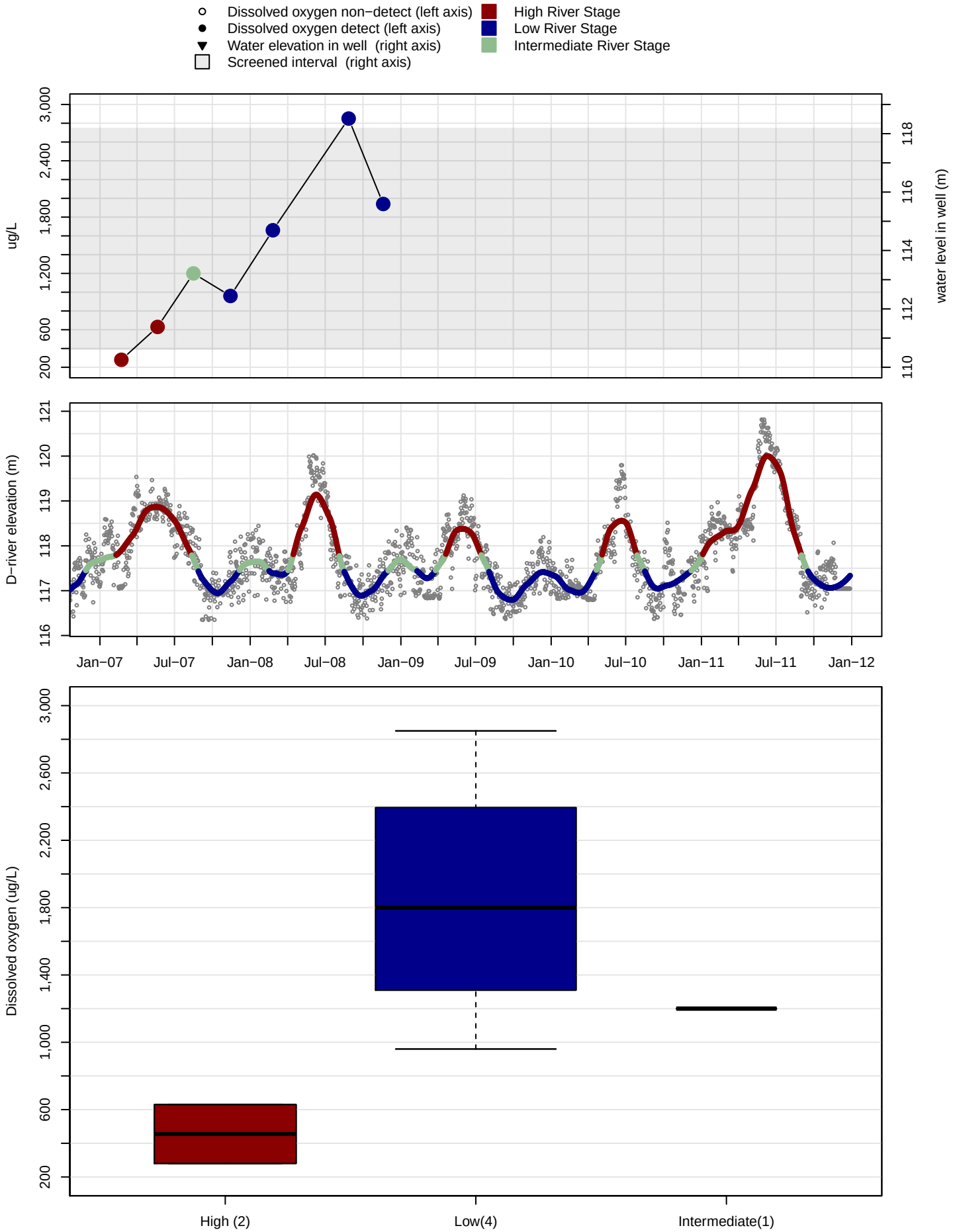
Mann Whitney p = 3.29e−01 t−test p = 5.16e−01

199−D4−63 (178m) Lag (Indeterminate)



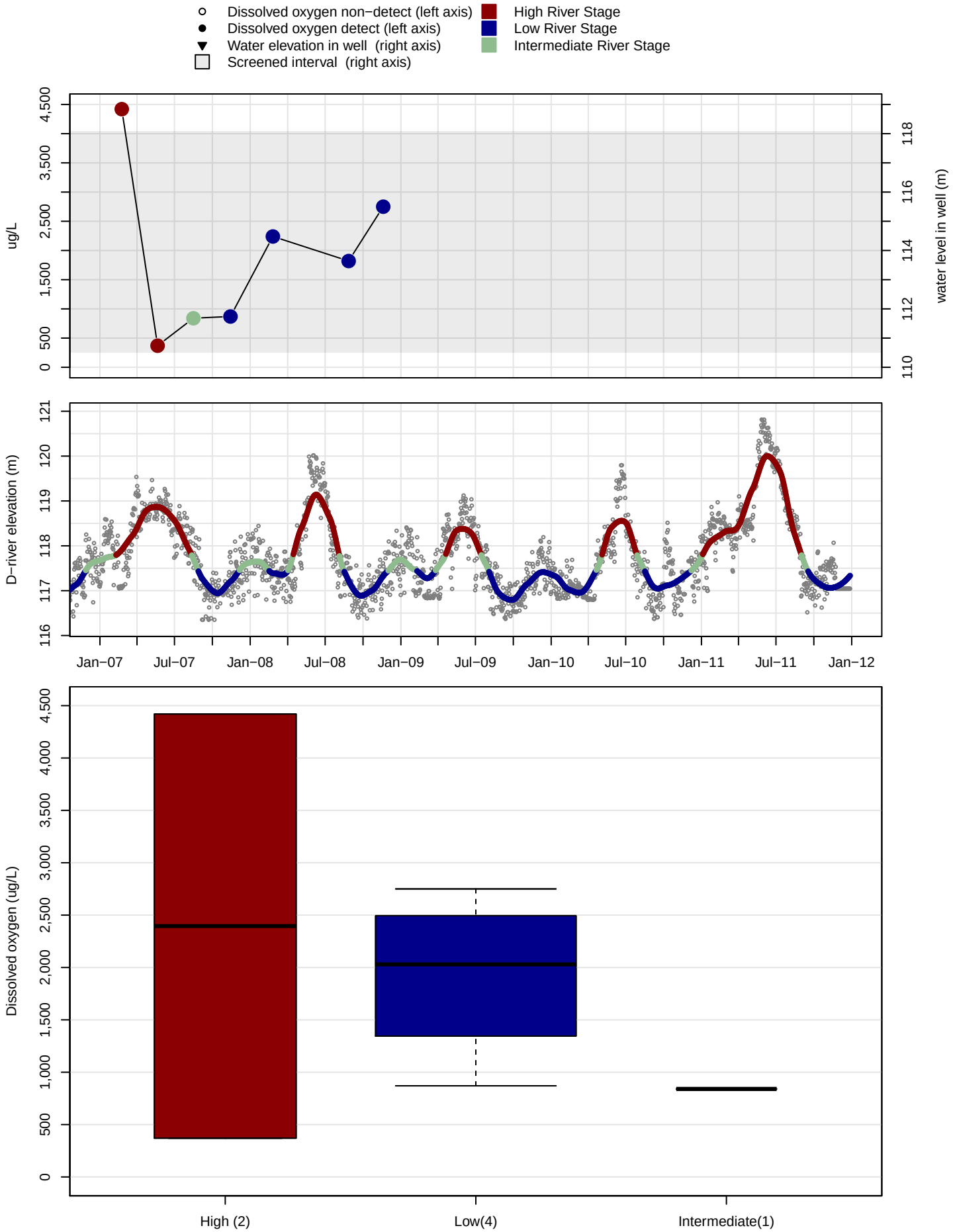
Mann Whitney p = NA t−test p = NA

199−D4−64 (186m) Lag (Indeterminate)



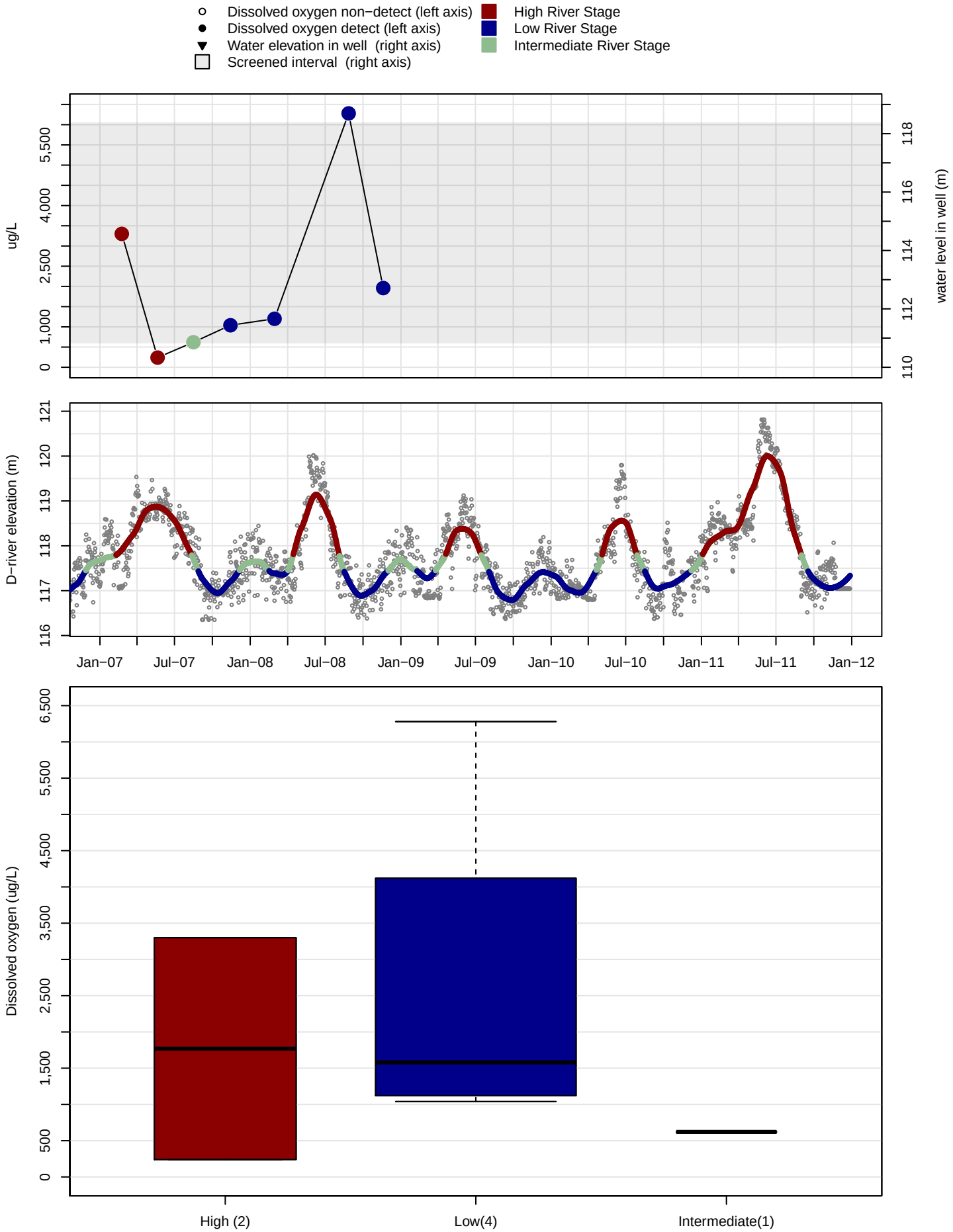
Mann Whitney p = NA t−test p = NA

199−D4−65 (179m) Lag (Indeterminate)



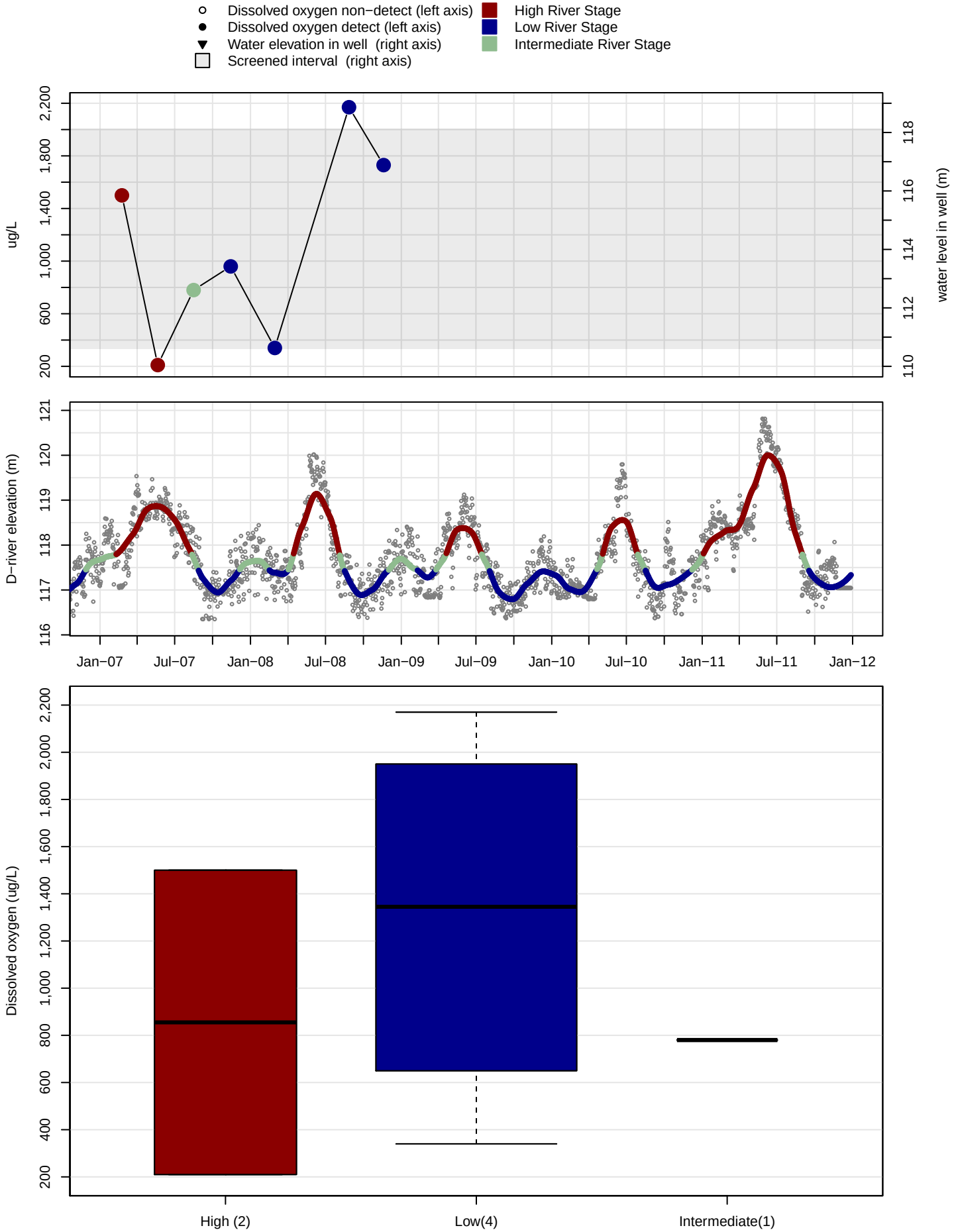
Mann Whitney p = NA t−test p = NA

199−D4−66 (187m) Lag (Indeterminate)



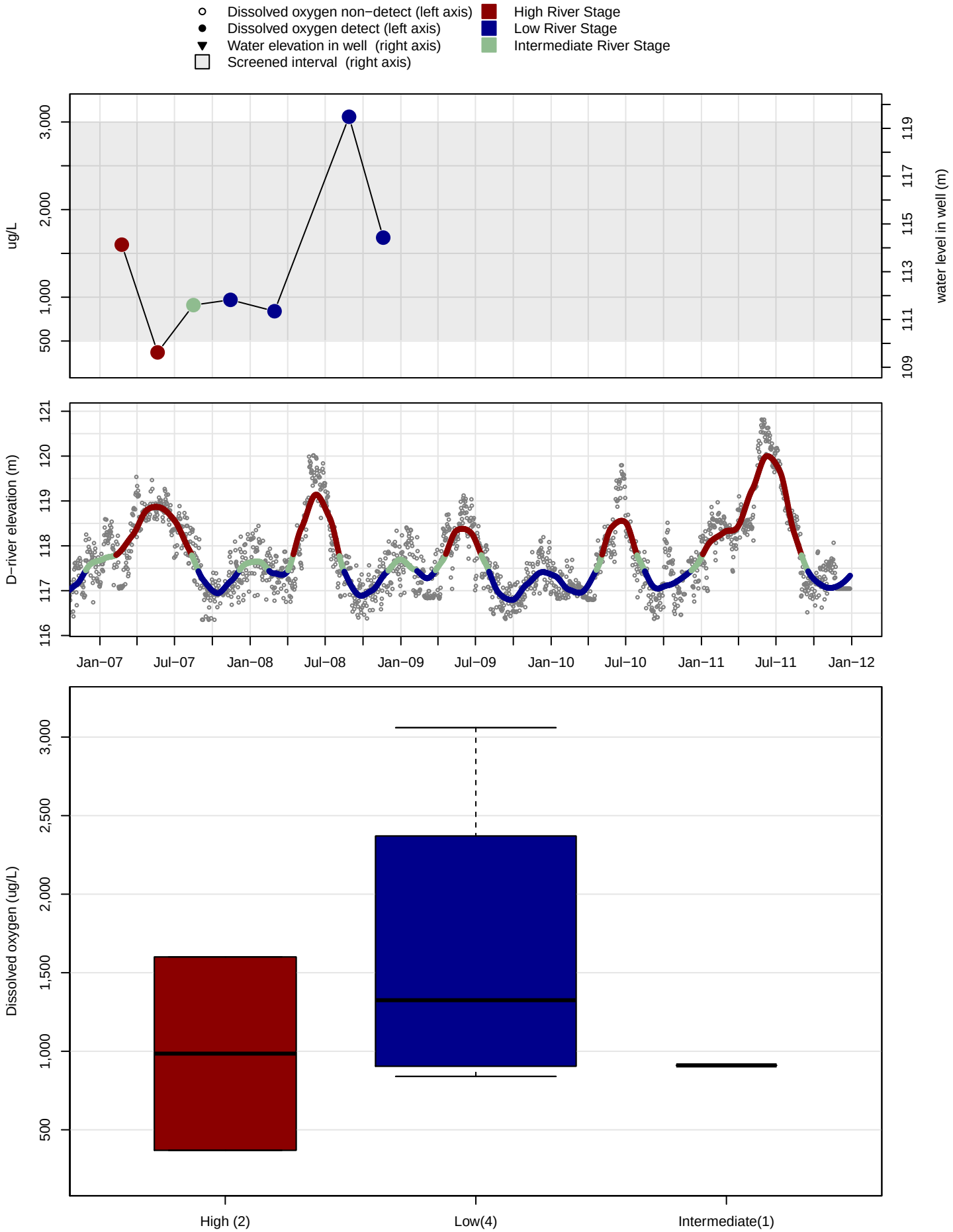
Mann Whitney p = NA t−test p = NA

199−D4−67 (180m) Lag (Indeterminate)



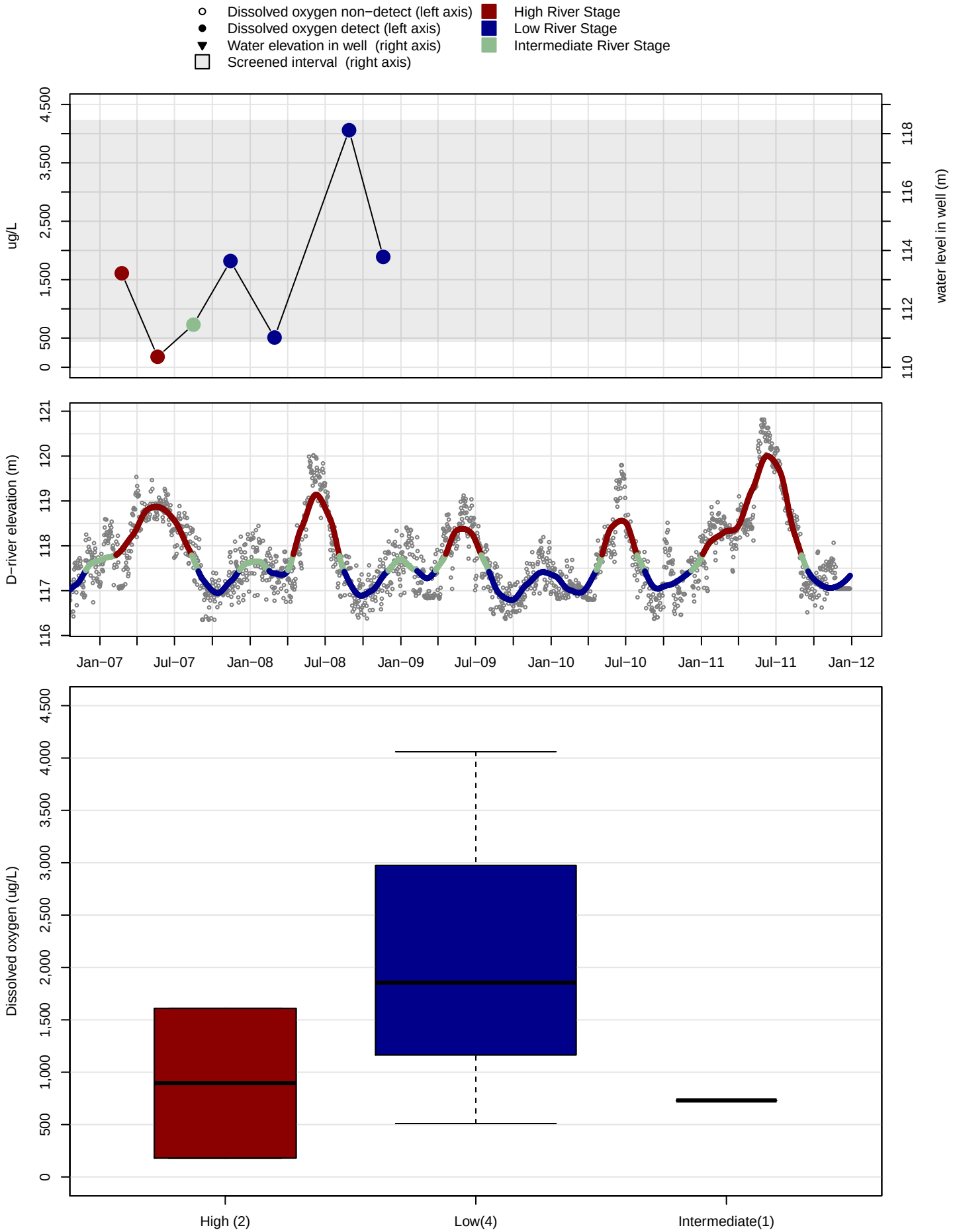
Mann Whitney p = NA t−test p = NA

199−D4−68 (188m) Lag (Indeterminate)



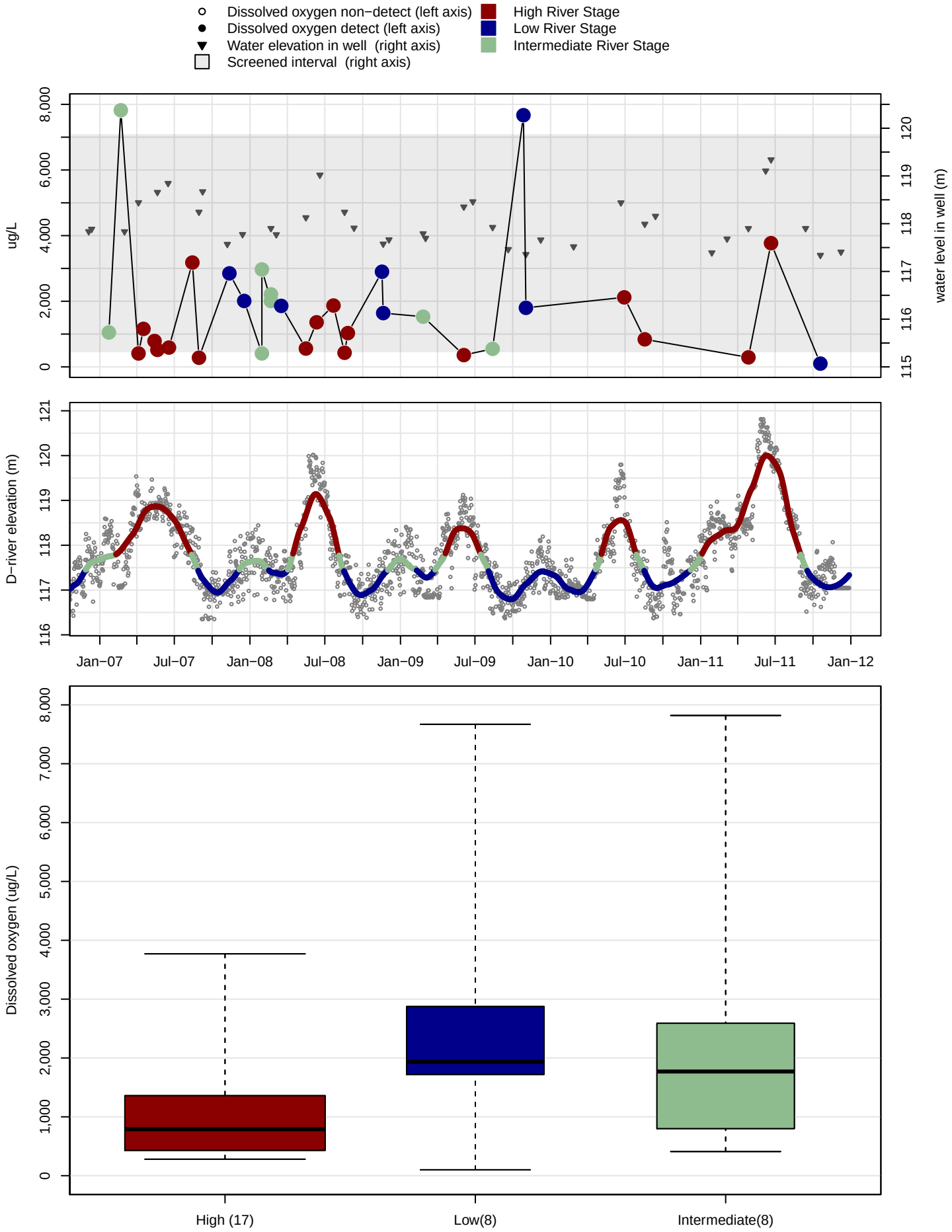
Mann Whitney p = NA t−test p = NA

199−D4−69 (181m) Lag (Indeterminate)



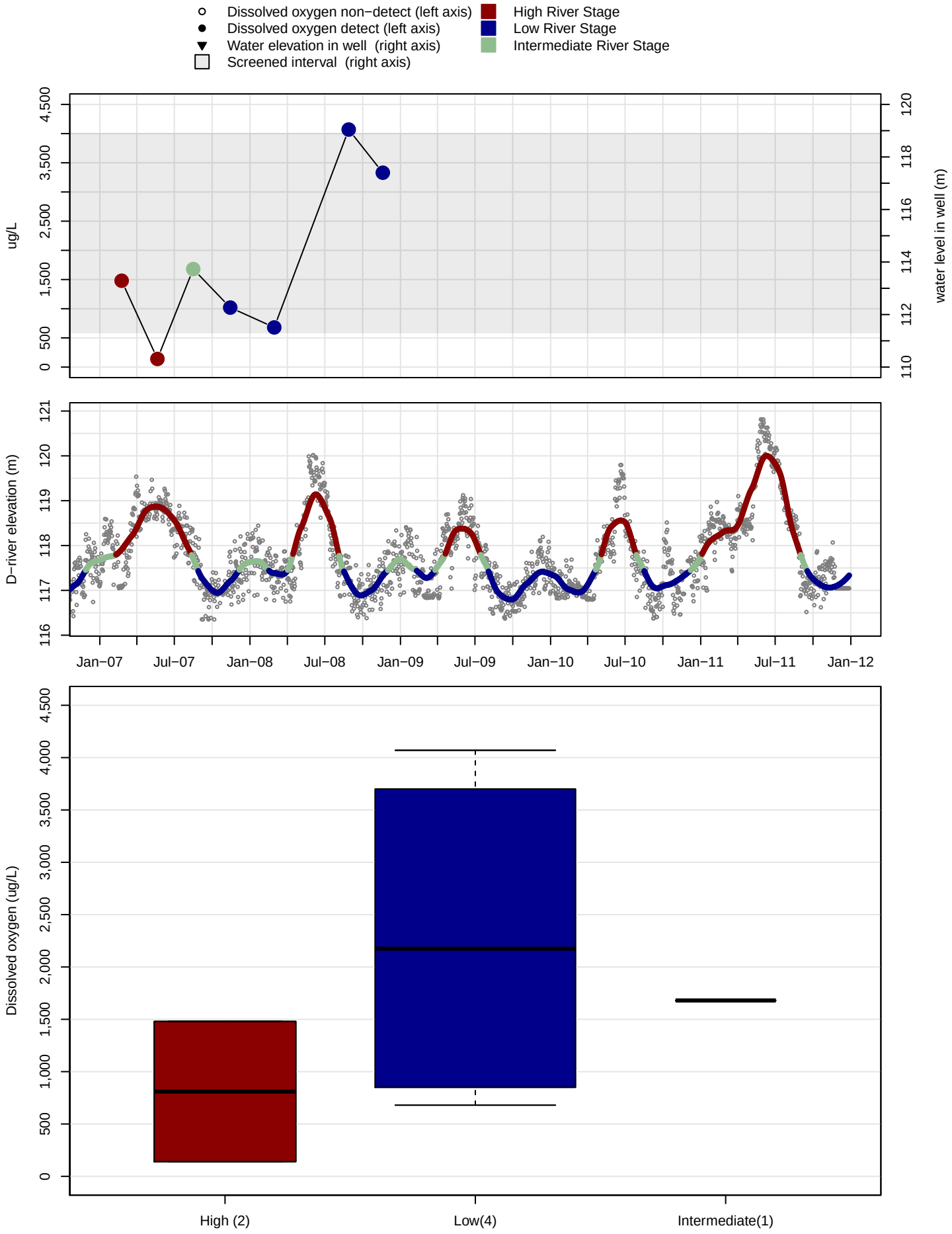
Mann Whitney p = NA t−test p = NA

199−D4−7 (145m) Lag (26 Days)



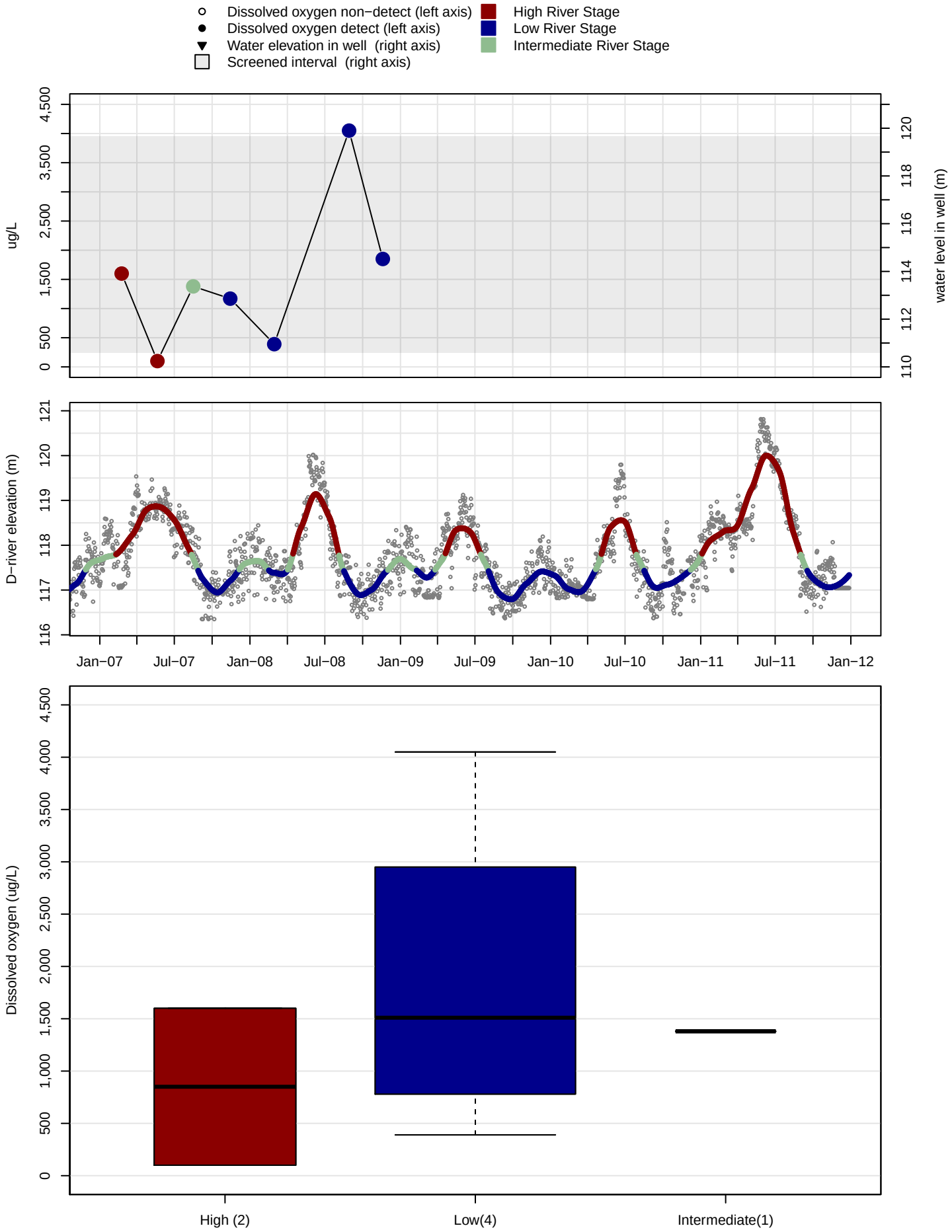
Mann Whitney p = 6.14e−02 t−test p = 1.14e−01

199−D4−70 (189m) Lag (Indeterminate)



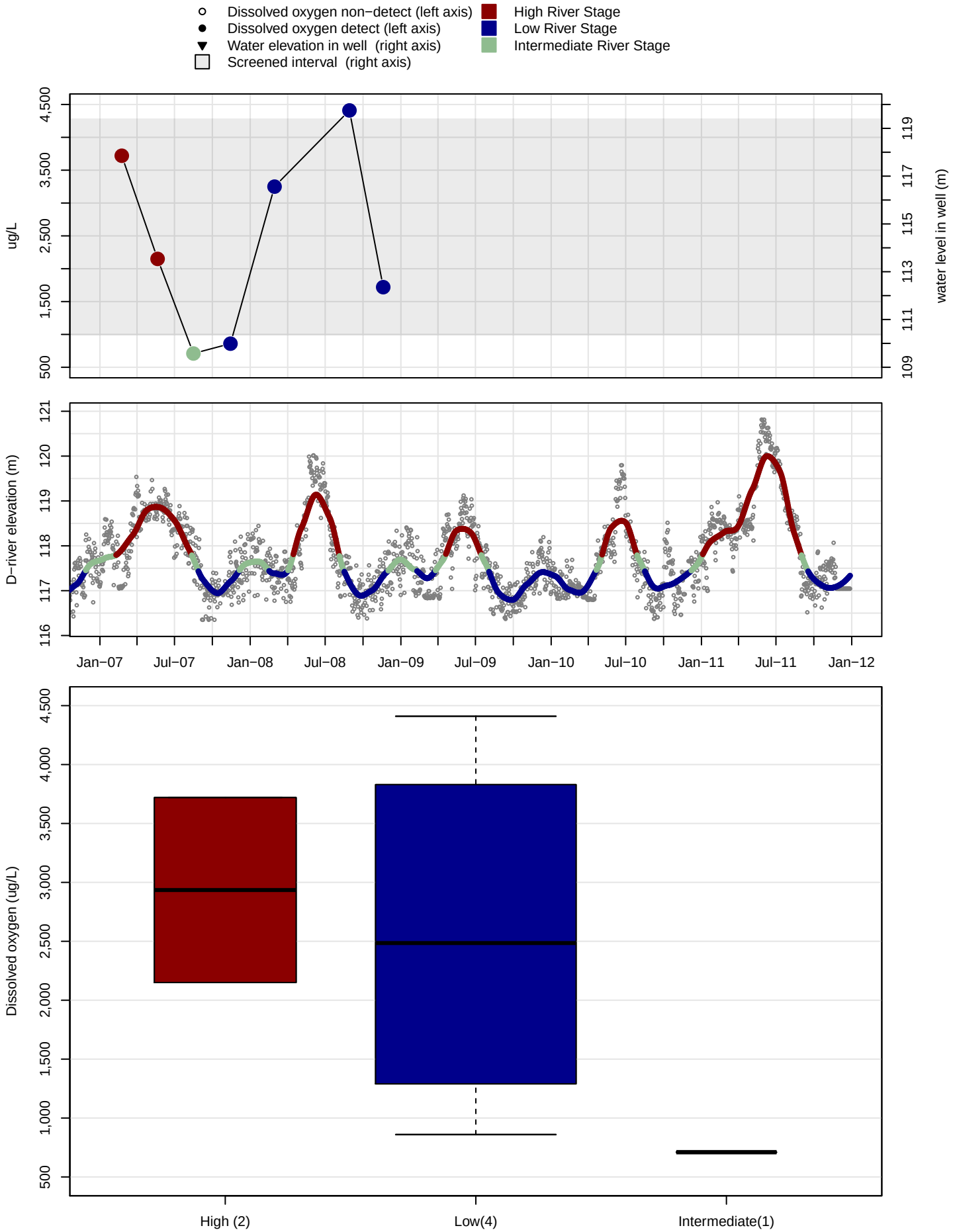
Mann Whitney p = NA t−test p = NA

199−D4−71 (182m) Lag (Indeterminate)



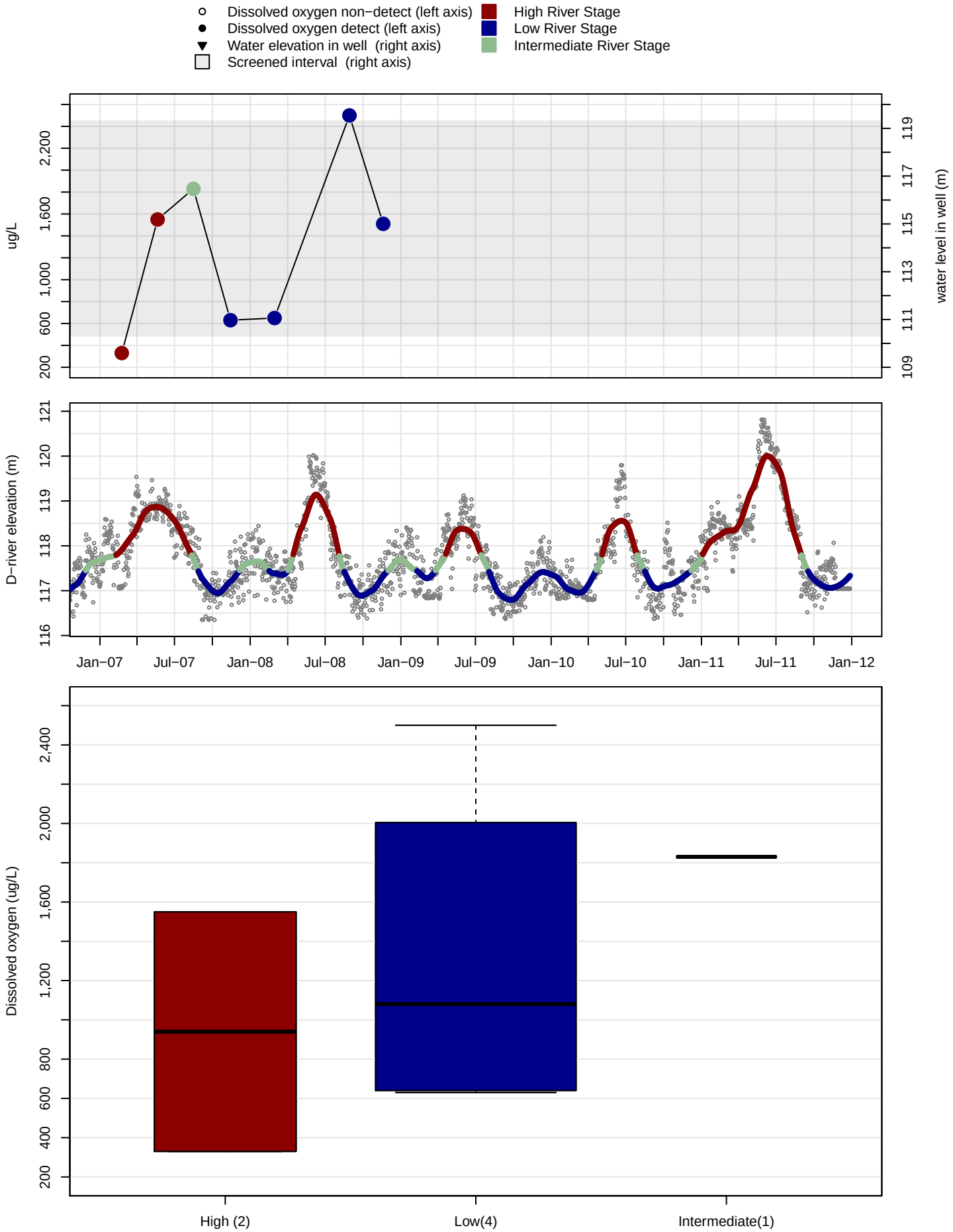
Mann Whitney p = NA t−test p = NA

199−D4−72 (189m) Lag (Indeterminate)



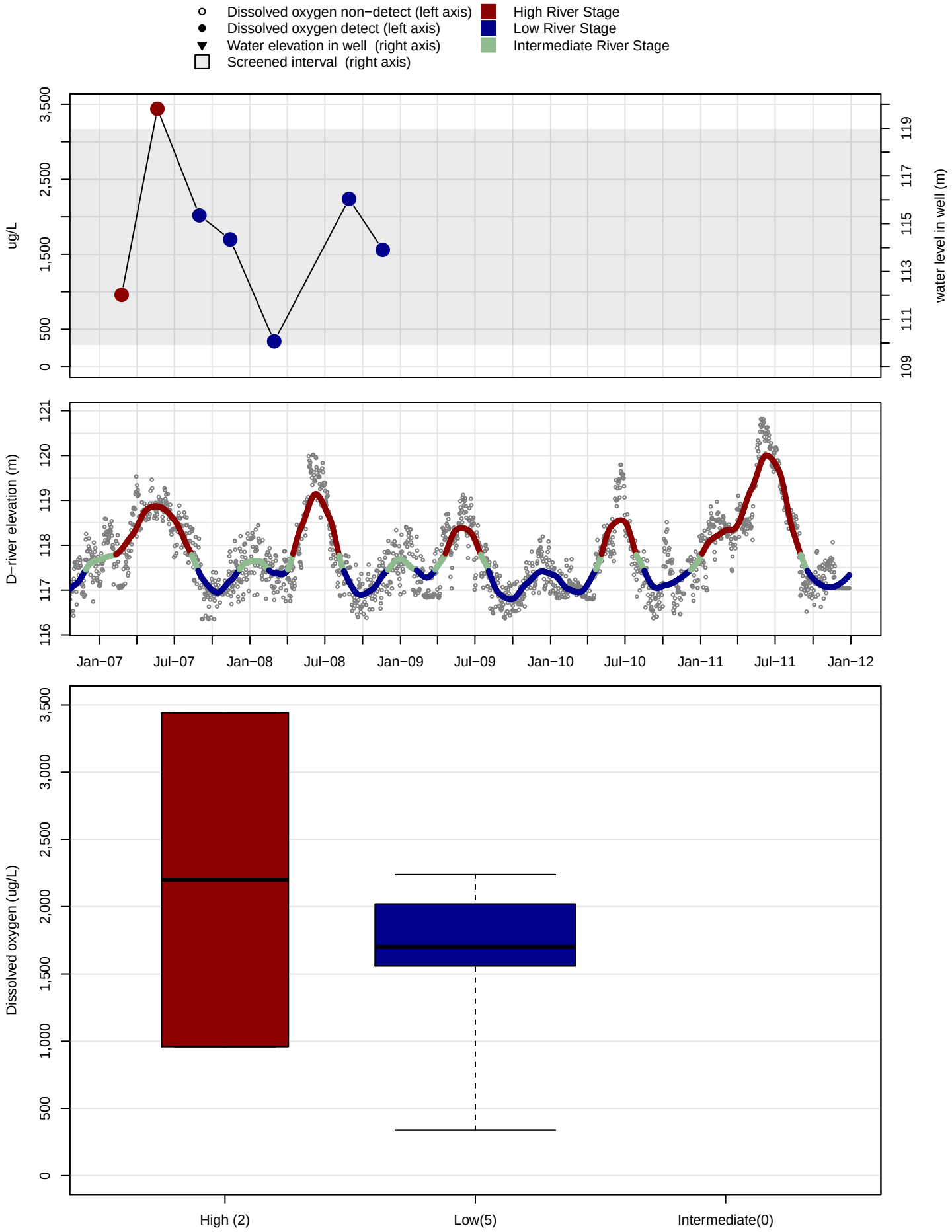
Mann Whitney p = NA t−test p = NA

199−D4−73 (182m) Lag (Indeterminate)



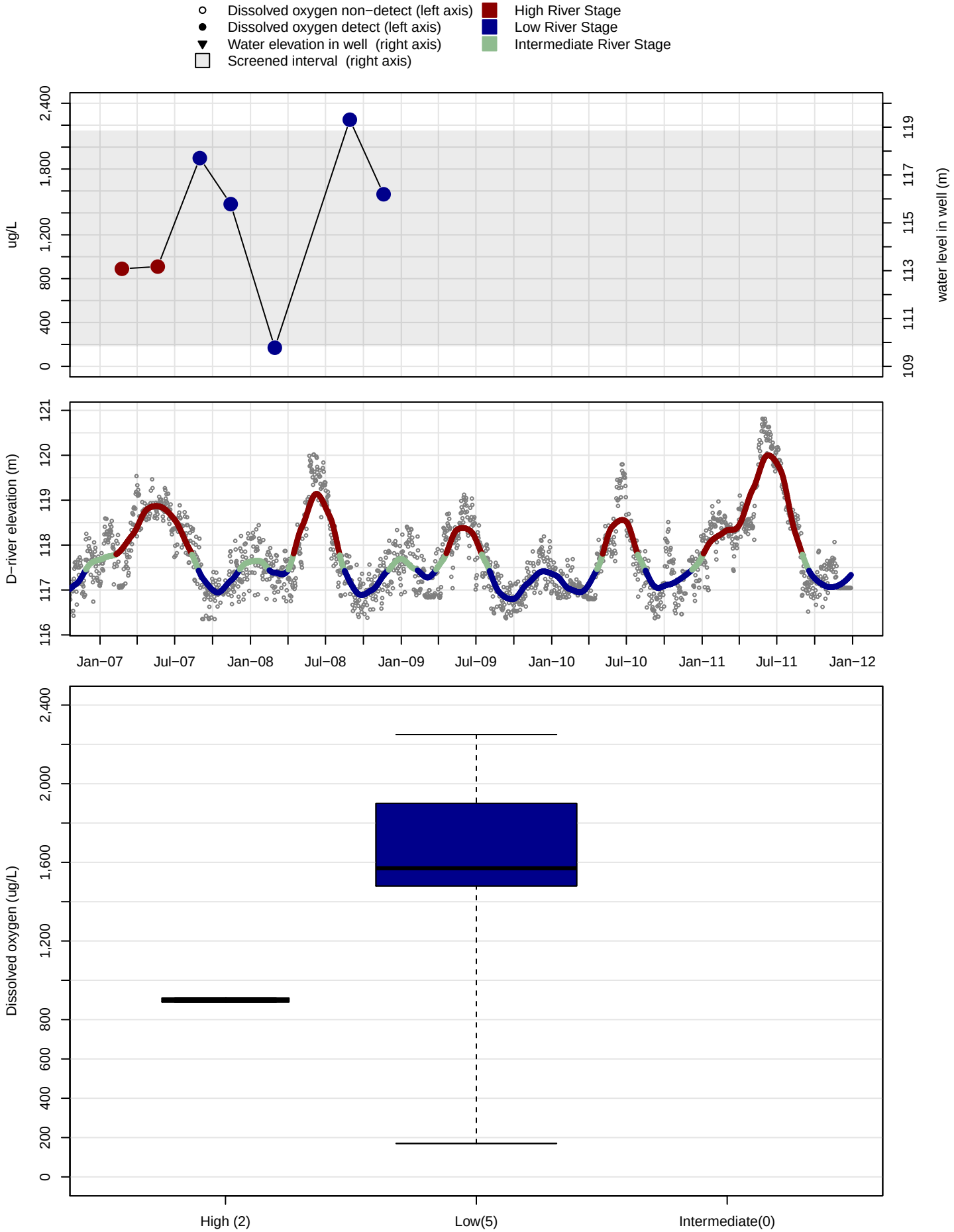
Mann Whitney p = NA t−test p = NA

199−D4−74 (189m) Lag (Indeterminate)



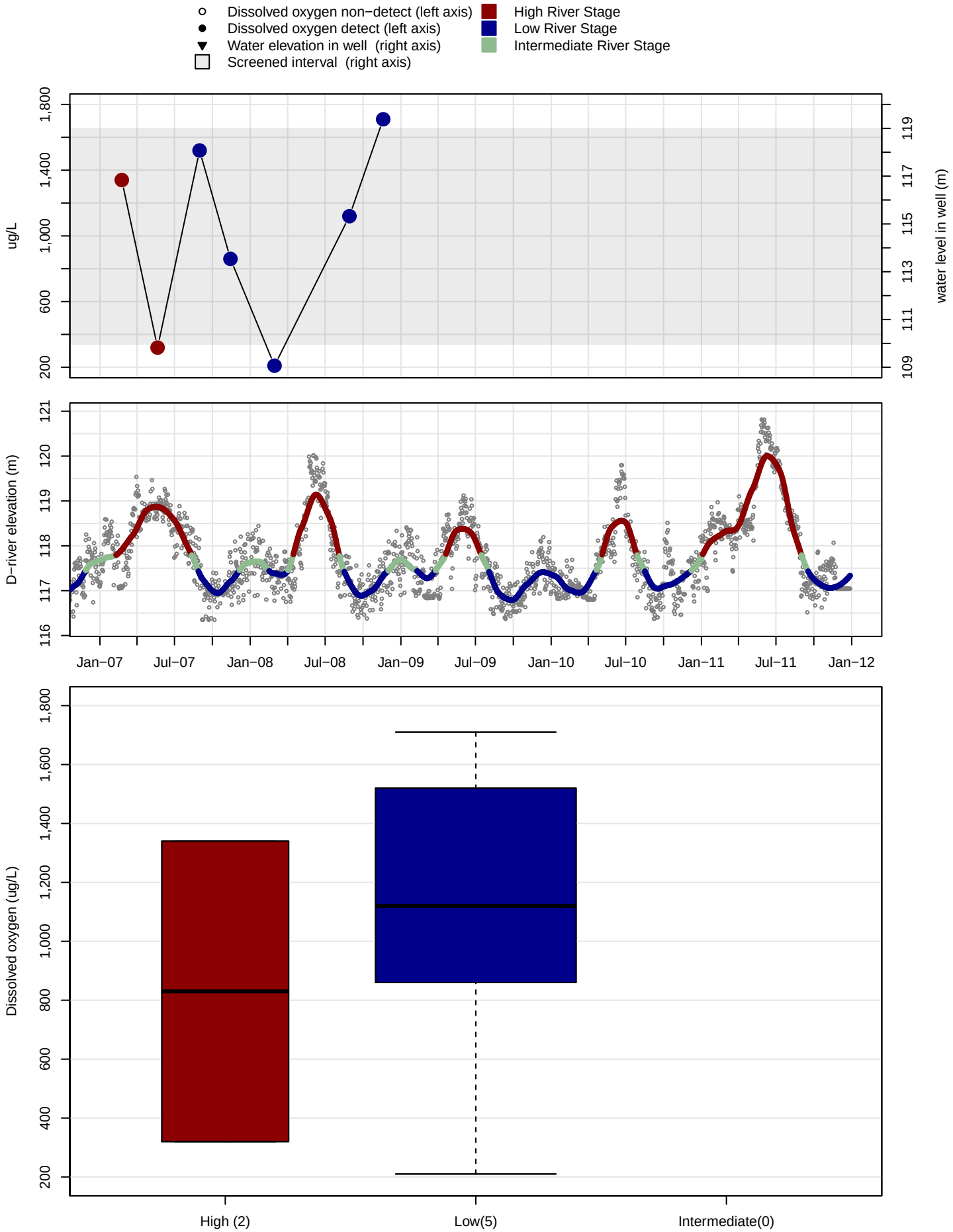
Mann Whitney p = NA t−test p = NA

199−D4−75 (182m) Lag (Indeterminate)



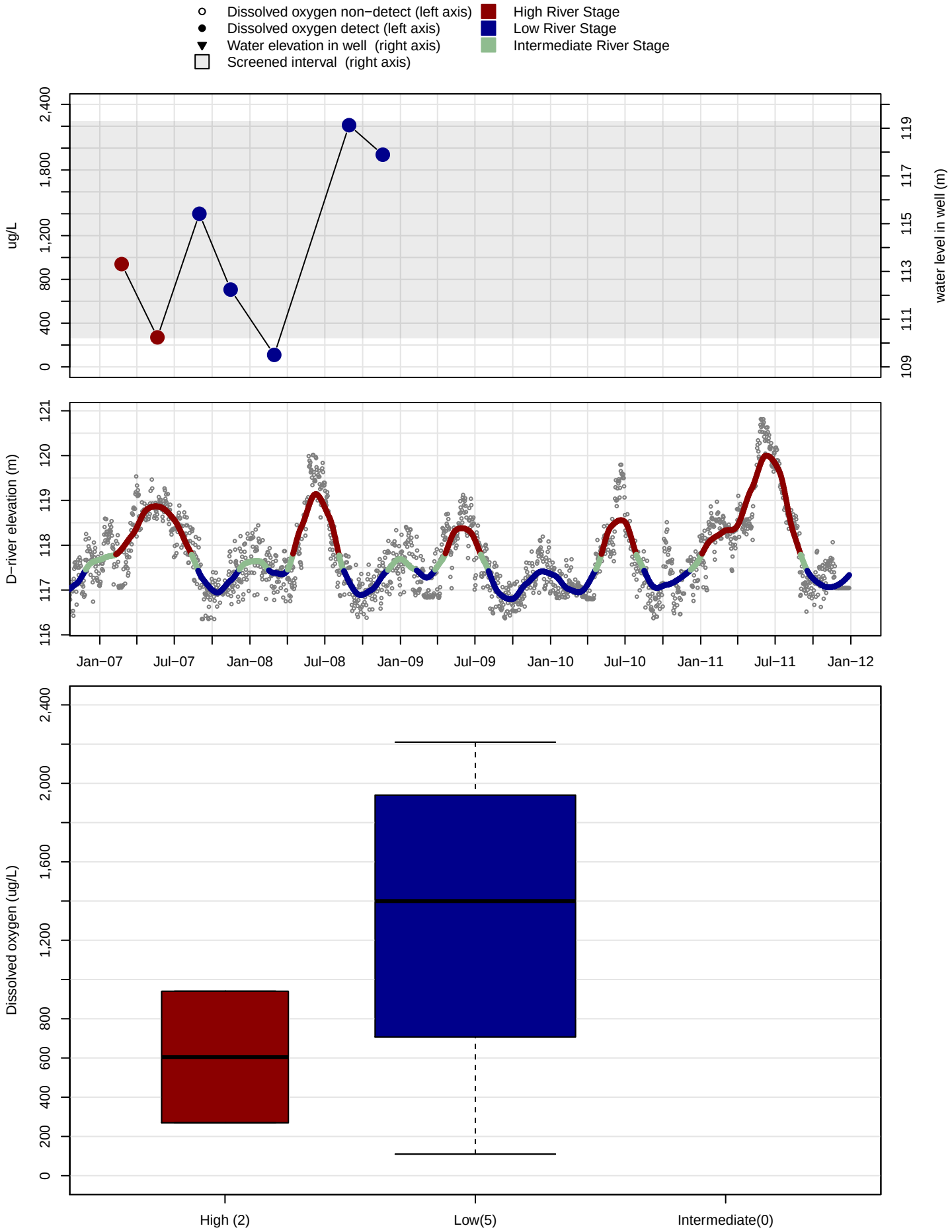
Mann Whitney p = NA t−test p = NA

199−D4−76 (190m) Lag (Indeterminate)



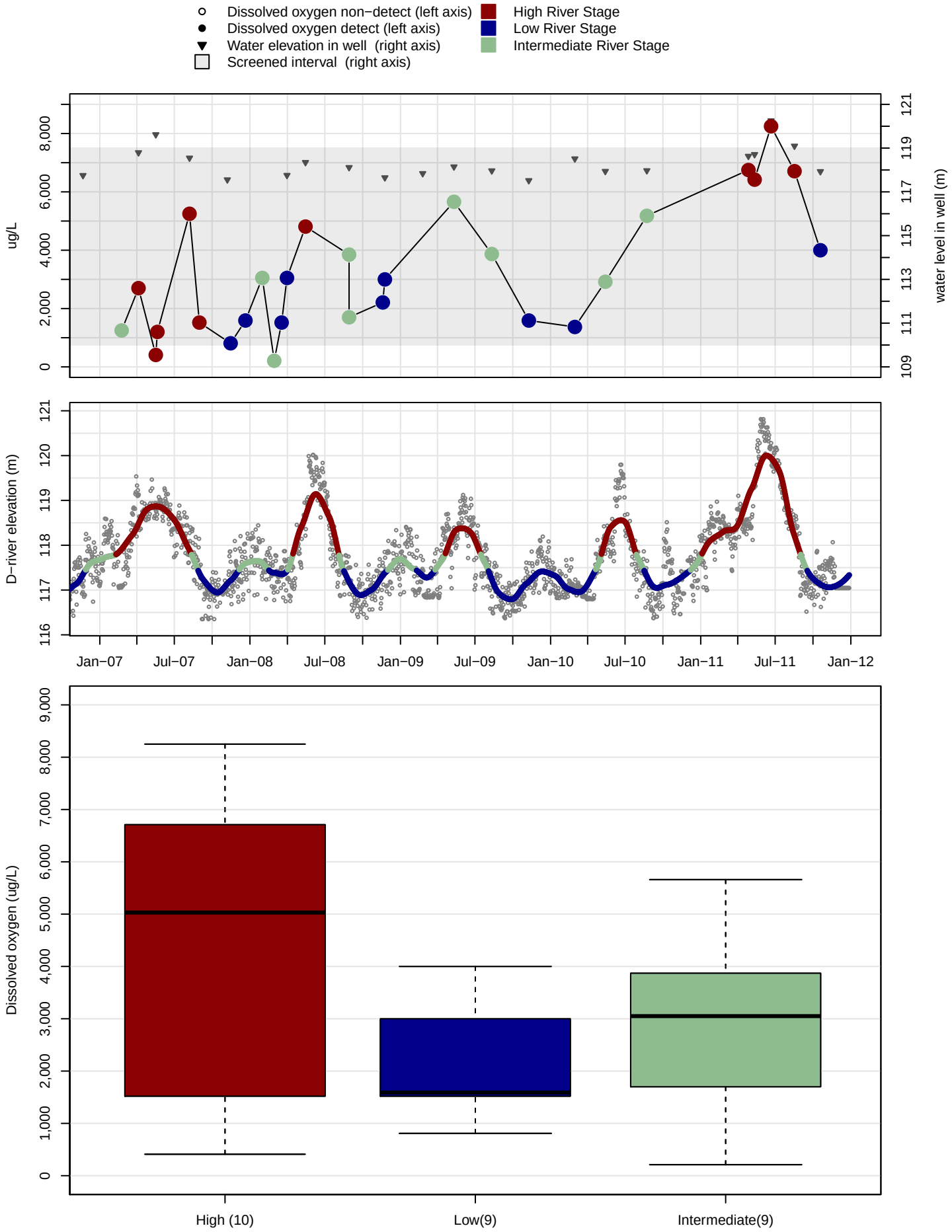
Mann Whitney p = NA t−test p = NA

199−D4−77 (183m) Lag (Indeterminate)



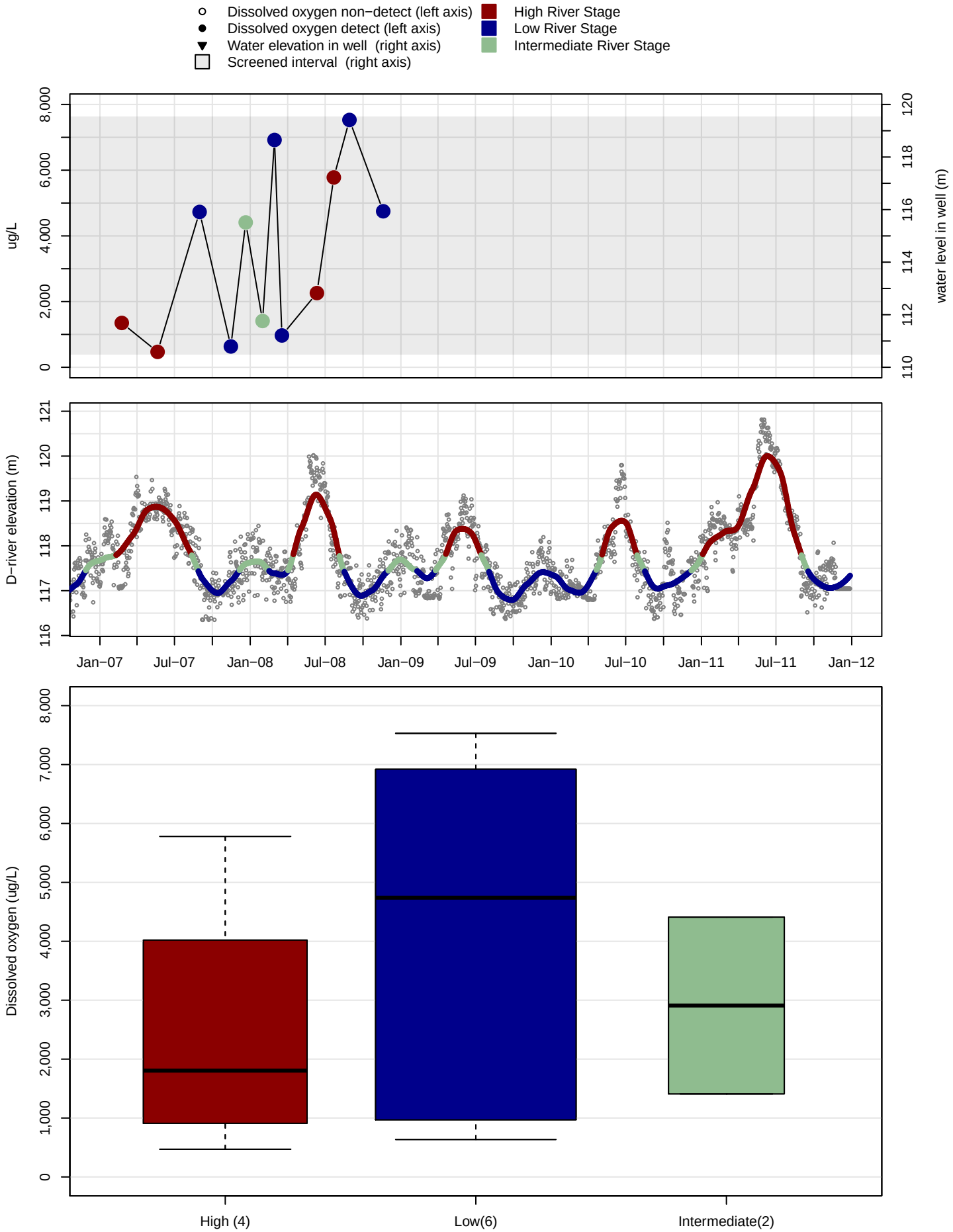
Mann Whitney p = NA t−test p = NA

199−D4−78 (191m) Lag (20 Days)



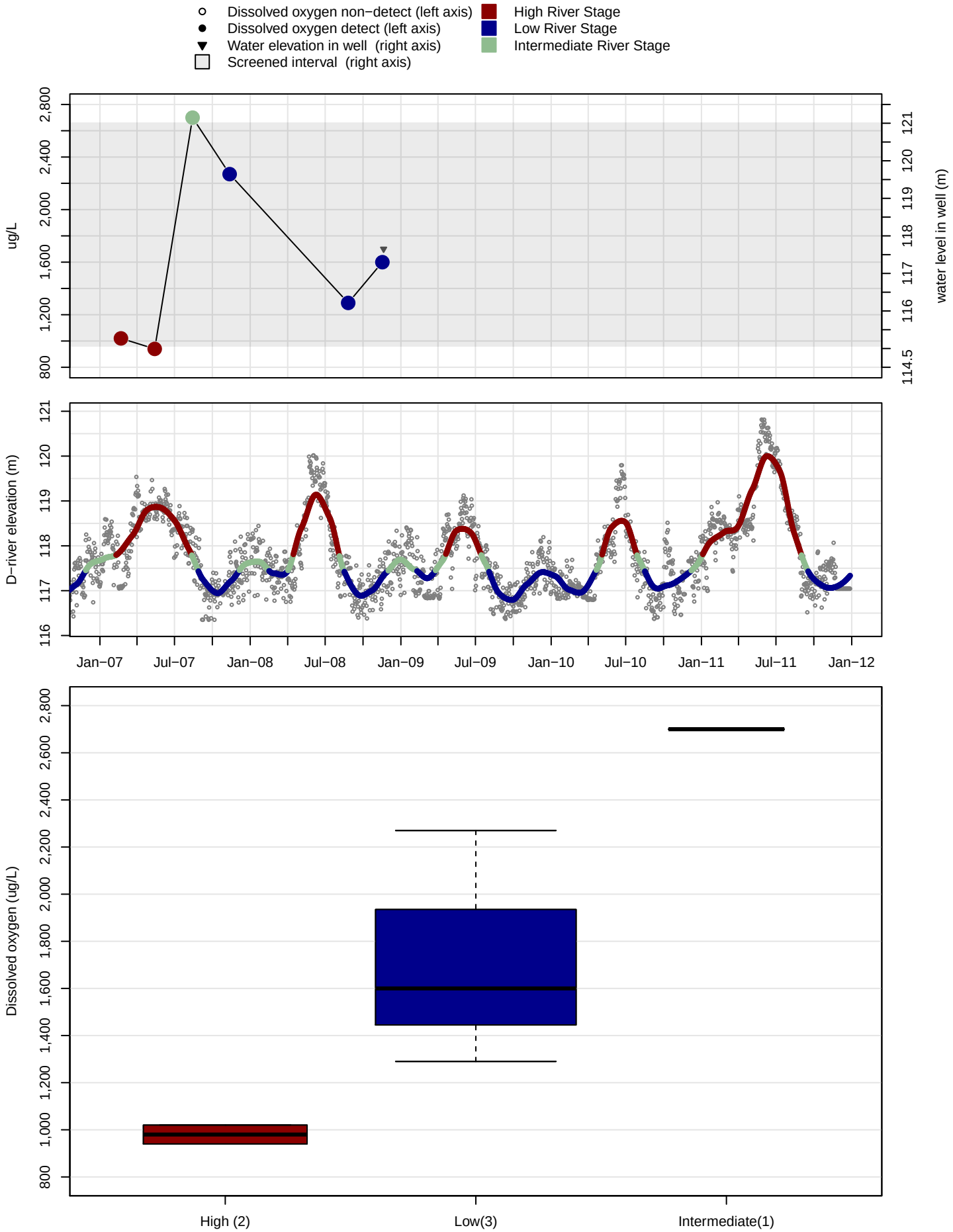
Mann Whitney p = 1.39e−01 t−test p = 3.18e−02

199−D4−79 (184m) Lag (Indeterminate)



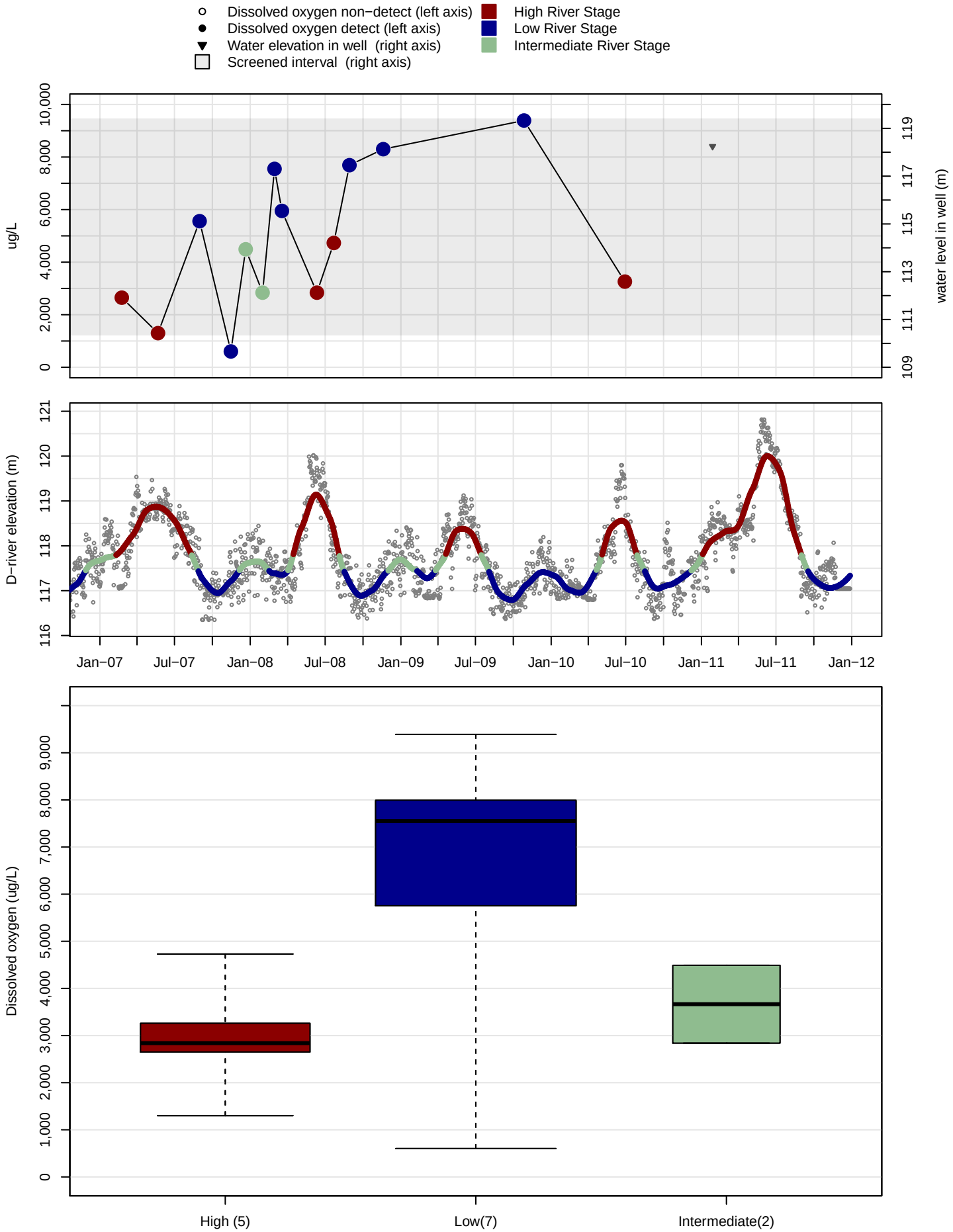
Mann Whitney p = 4.76e−01 t−test p = 3.14e−01

199−D4−8 (145m) Lag (Indeterminate)



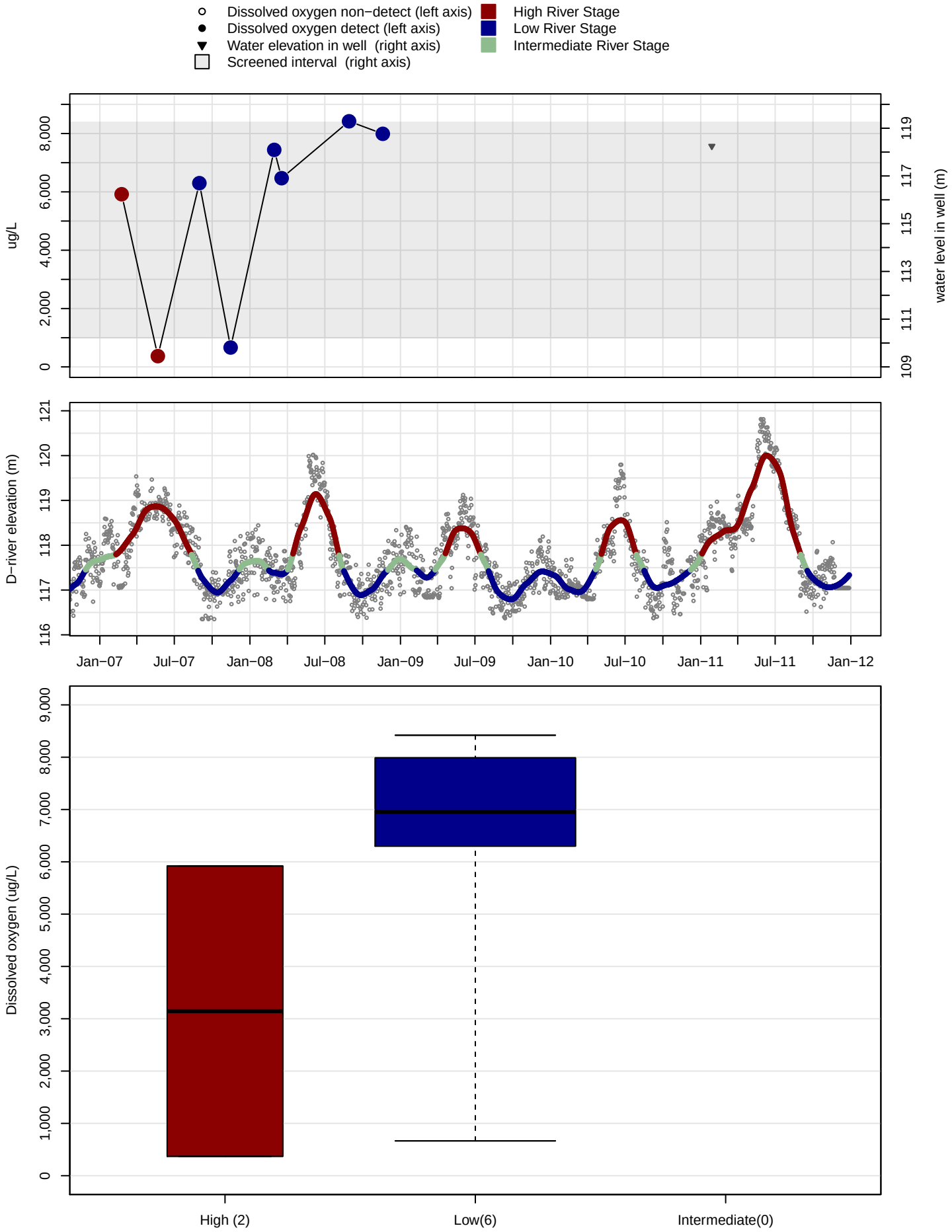
Mann Whitney p = NA t−test p = NA

199−D4−80 (191m) Lag (Indeterminate)



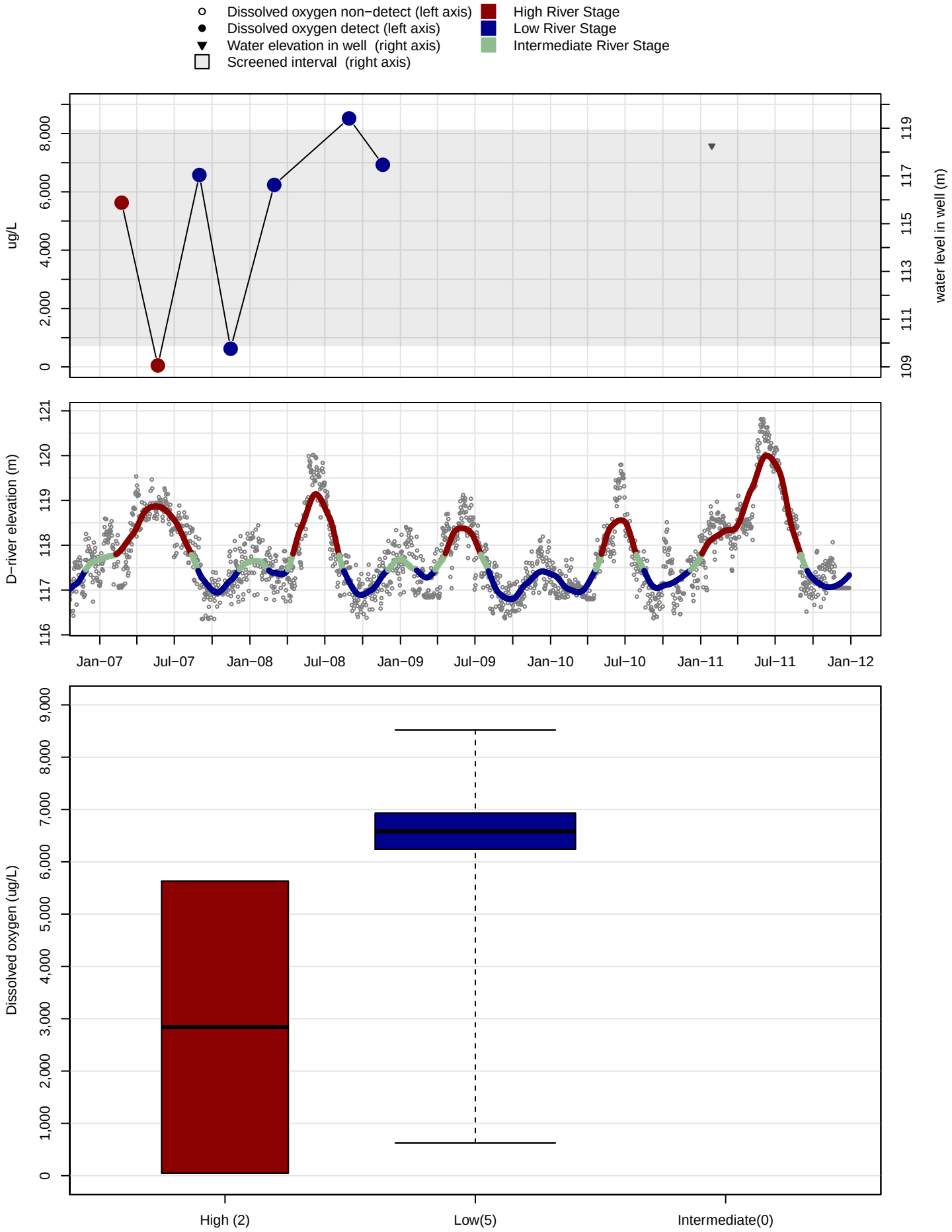
Mann Whitney p = 4.8e−02 t−test p = 2.01e−02

199−D4−81 (183m) Lag (Indeterminate)



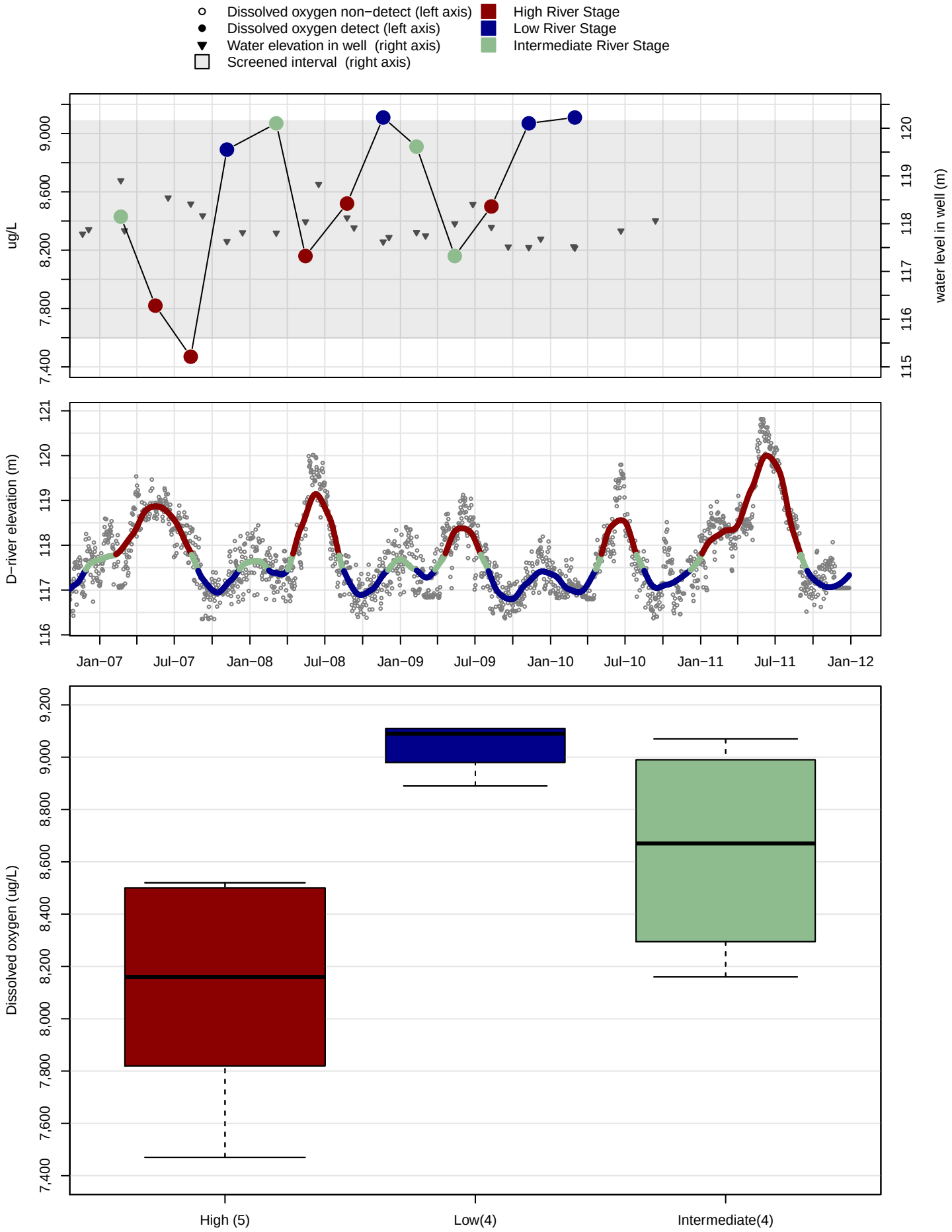
Mann Whitney p = NA t−test p = NA

199−D4−82 (182m) Lag (Indeterminate)



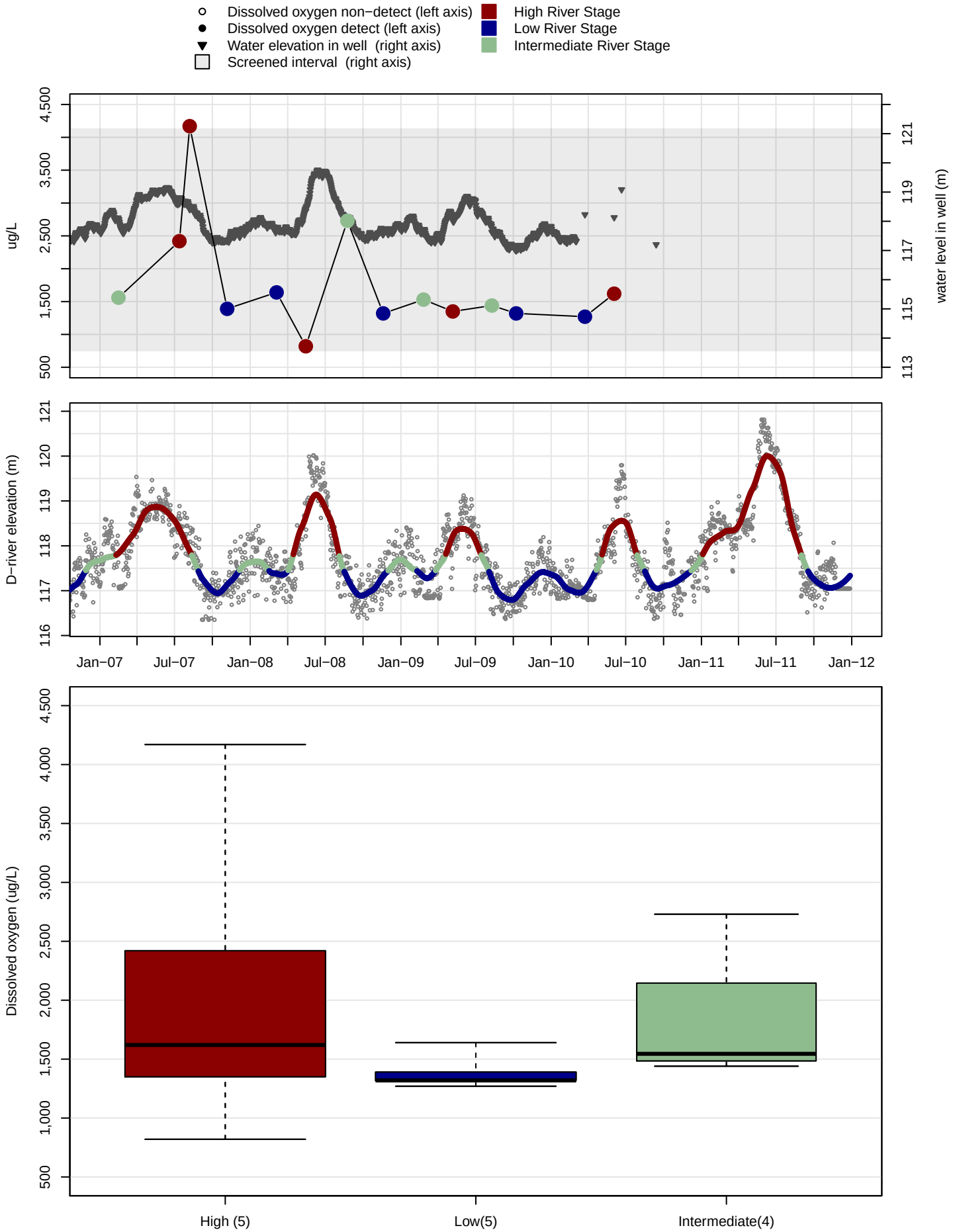
Mann Whitney p = NA t−test p = NA

199−D4−83* (62m) Lag (25 Days)



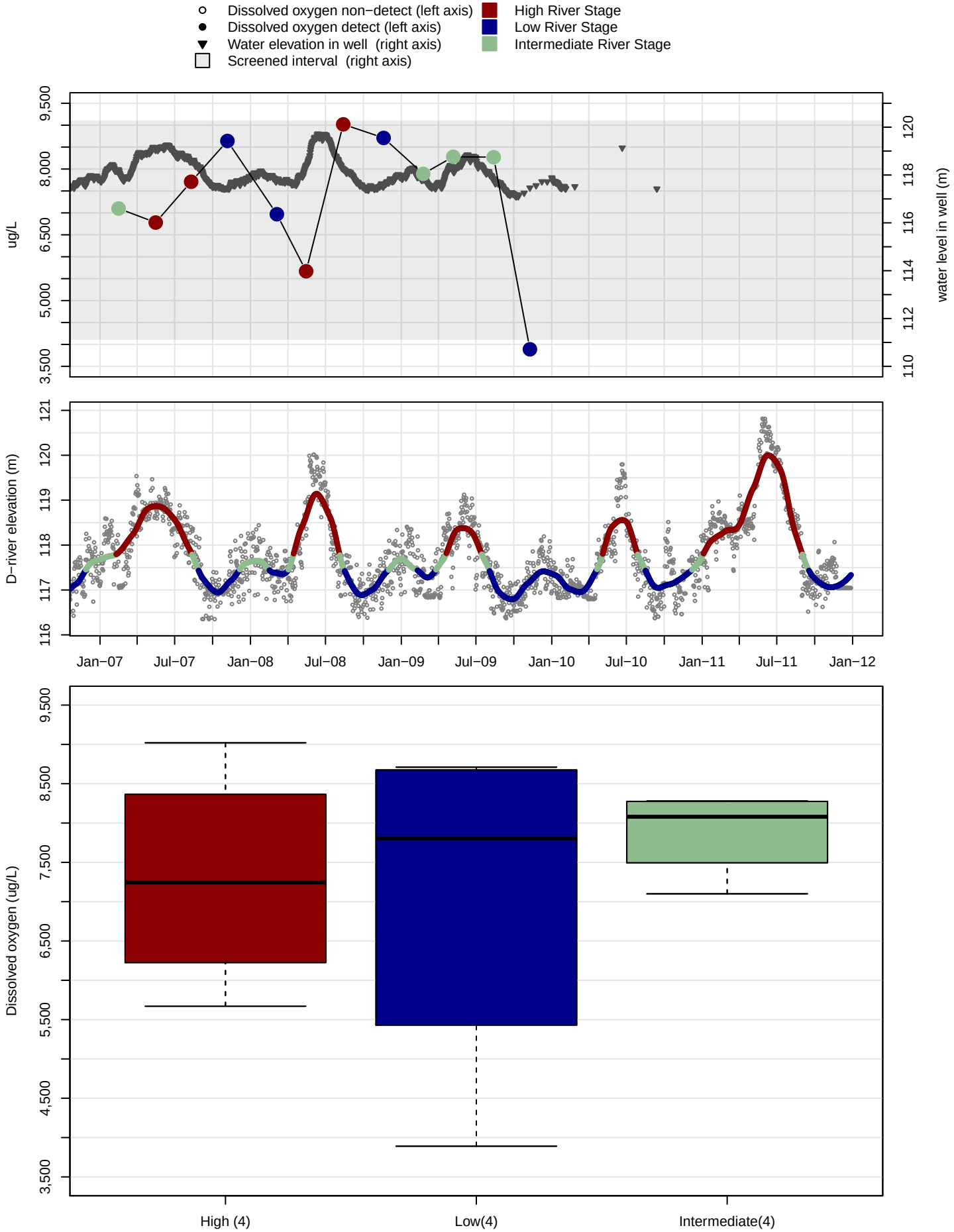
Mann Whitney p = 1.59e−02 t−test p = 7.69e−03

199−D4−84* (92m) Lag (15 Days)



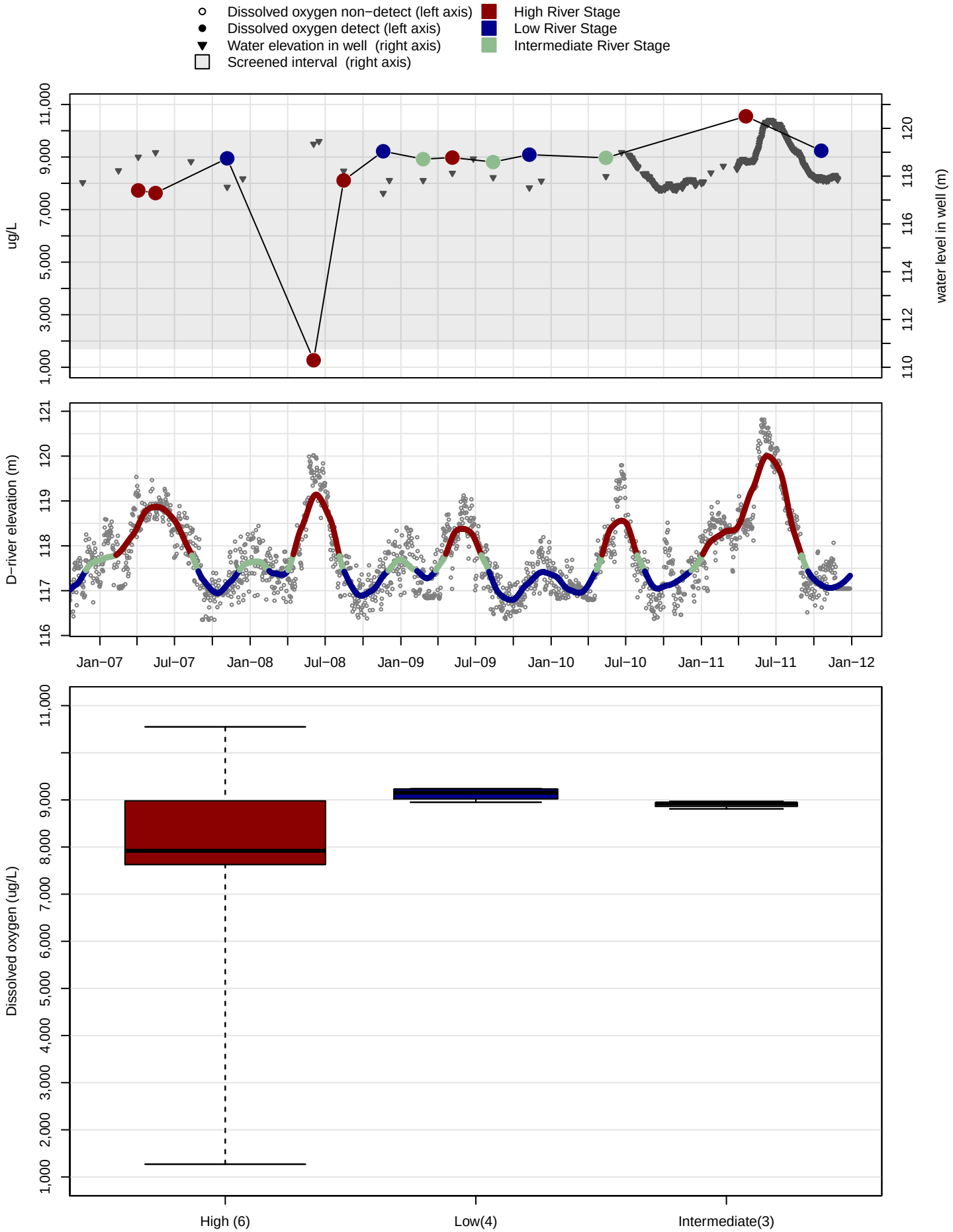
Mann Whitney p = 3.89e−01 t−test p = 3.05e−01

199−D4−85* (99m) Lag (16 Days)



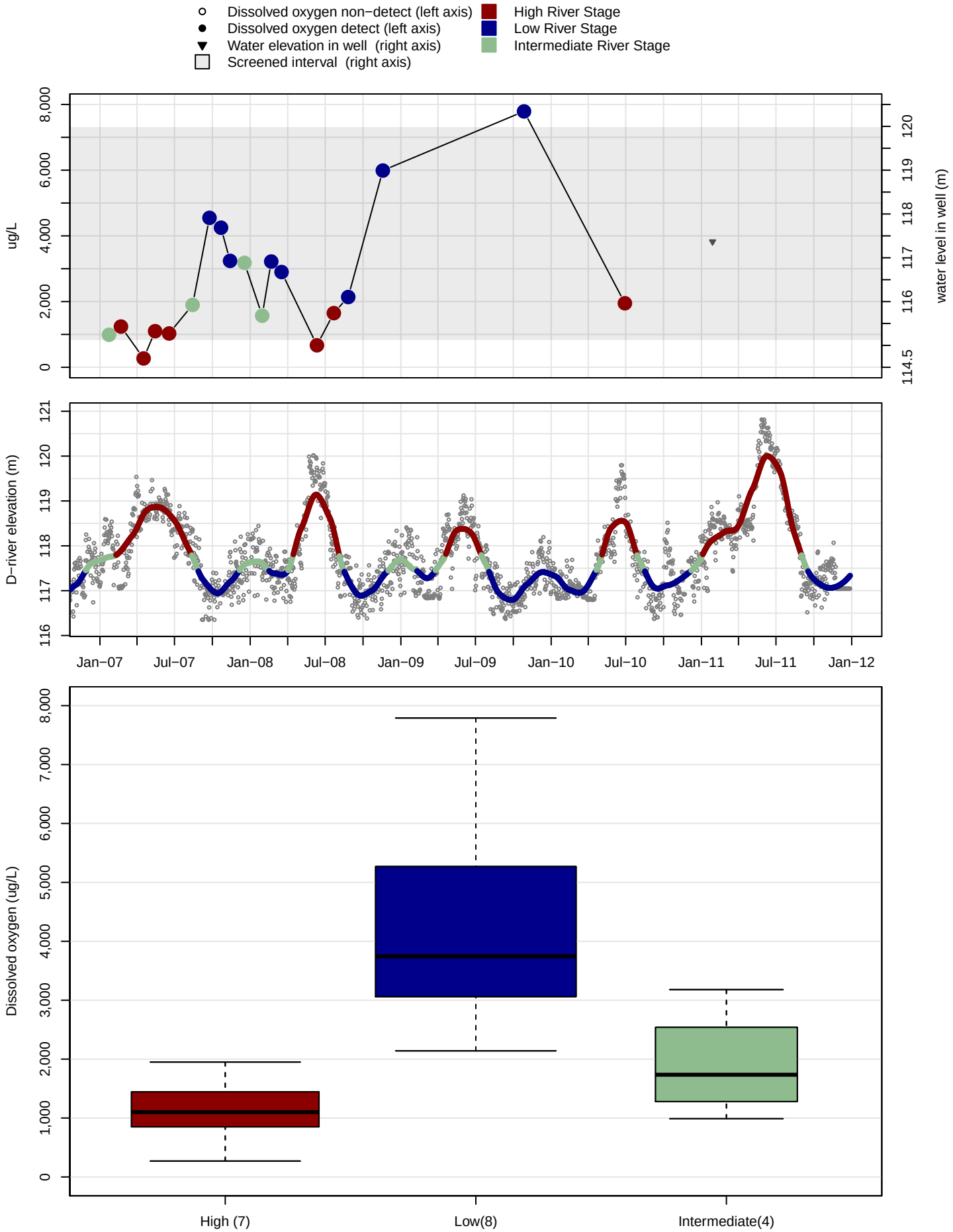
Mann Whitney p = 1e+00 t−test p = 8.63e−01

199−D4−86 (108m) Lag (14 Days)



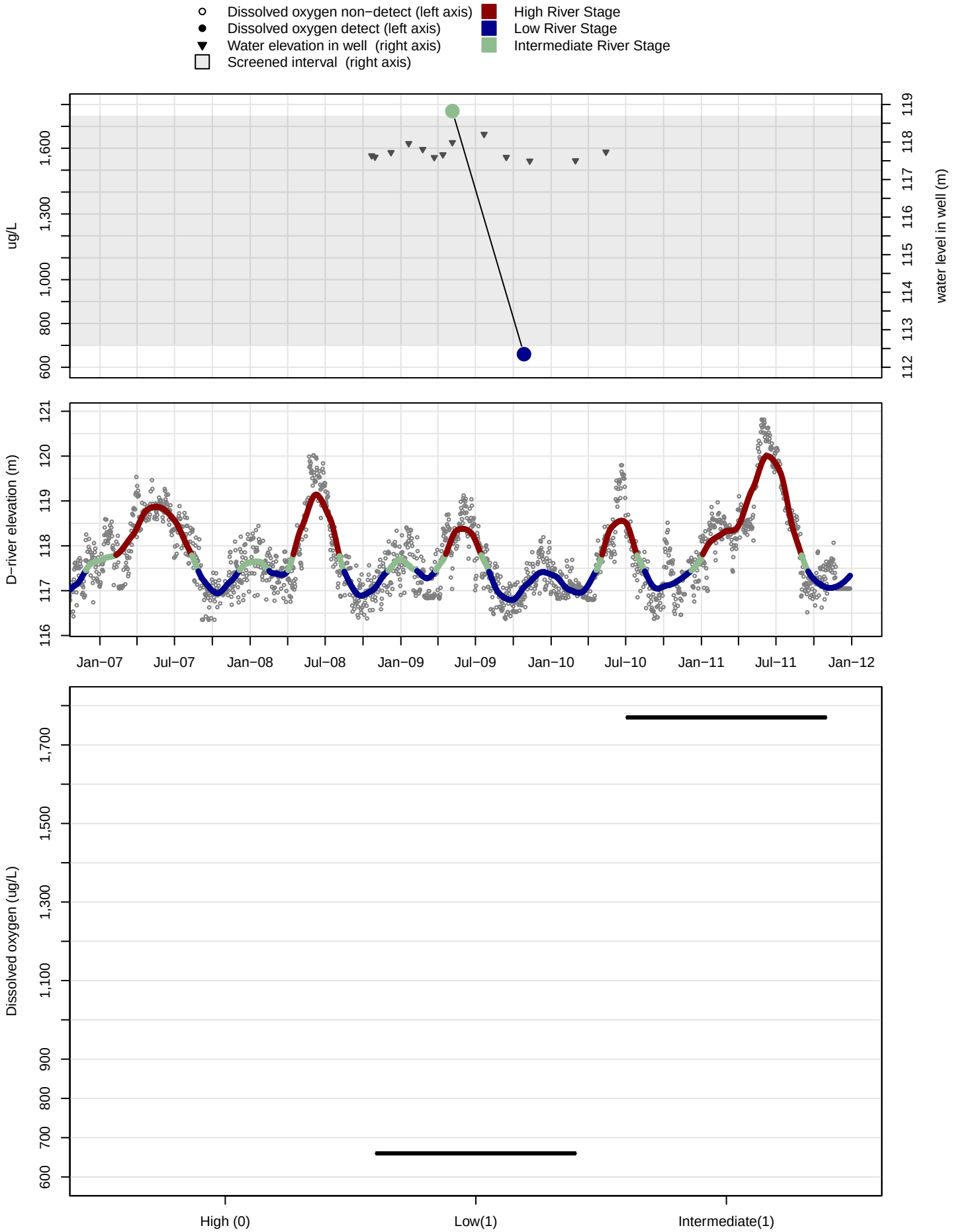
Mann Whitney p = 1.71e−01 t−test p = 2.37e−01

199−D4−9 (151m) Lag (Indeterminate)



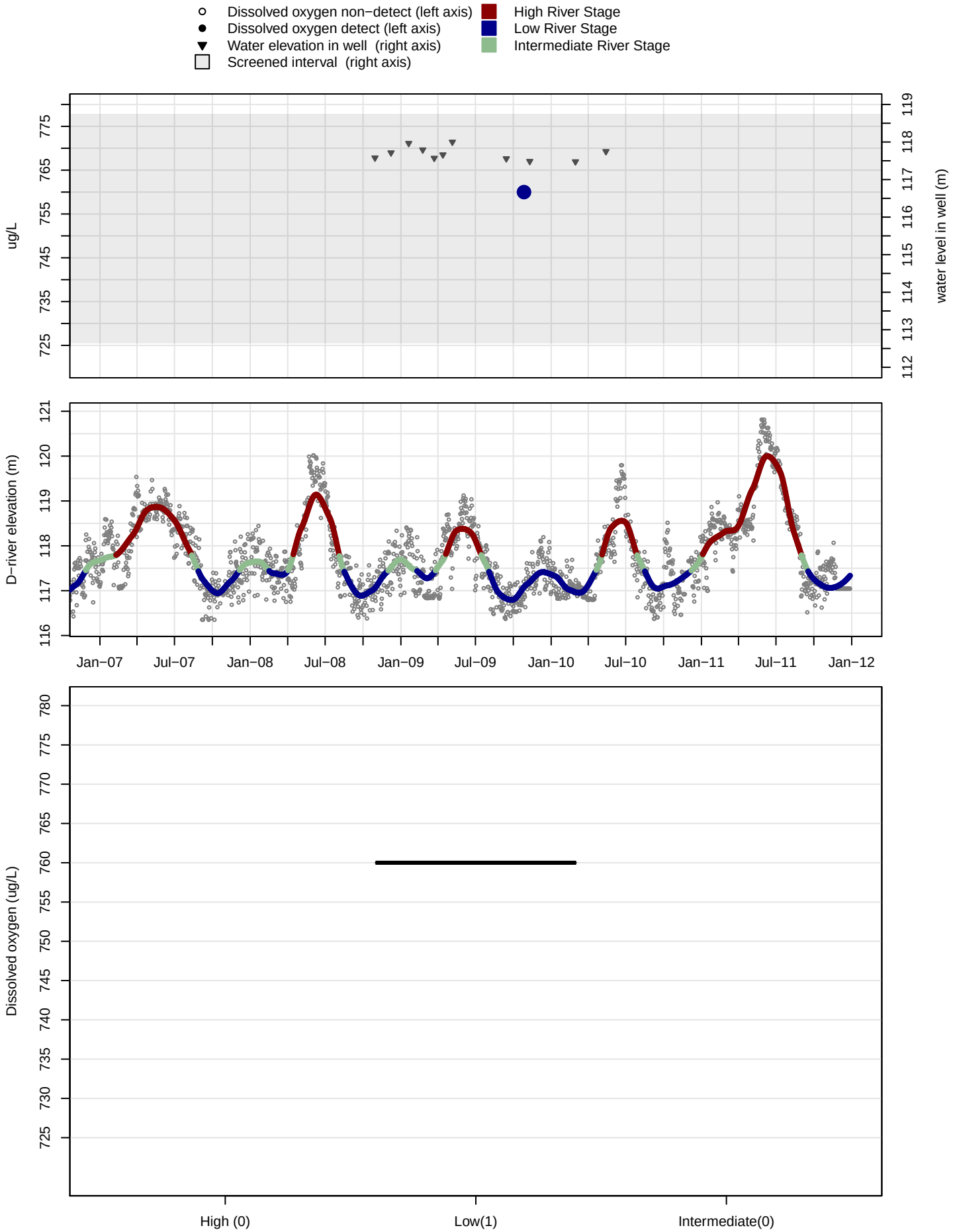
Mann Whitney p = 3.11e−04 t−test p = 1.64e−03

199−D4−92 (158m) Lag (22 Days)



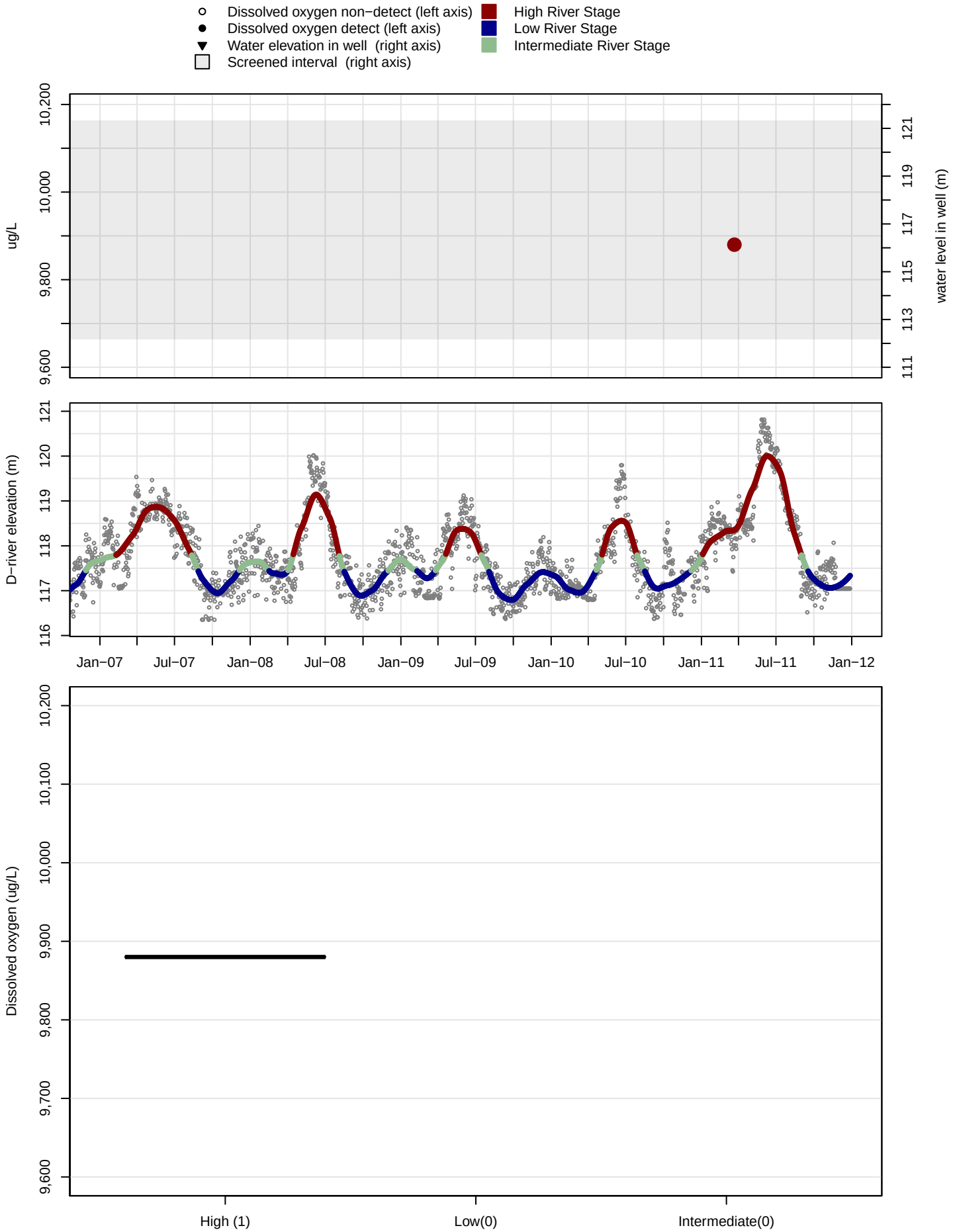
Mann Whitney p = NA t−test p = NA

199−D4−93 (152m) Lag (20 Days)



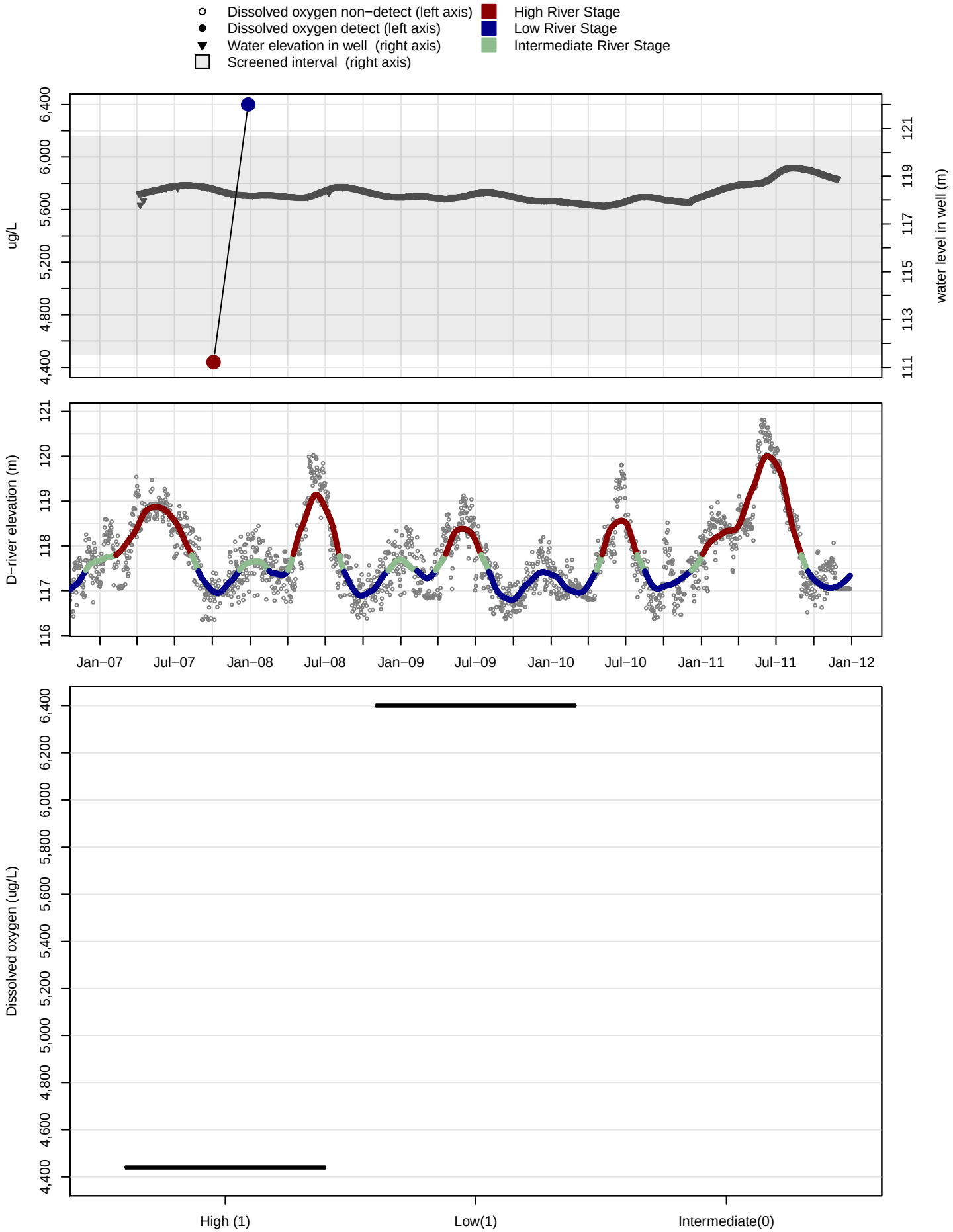
Mann Whitney p = NA t−test p = NA

199−D5−101* (266m) Lag (Indeterminate)



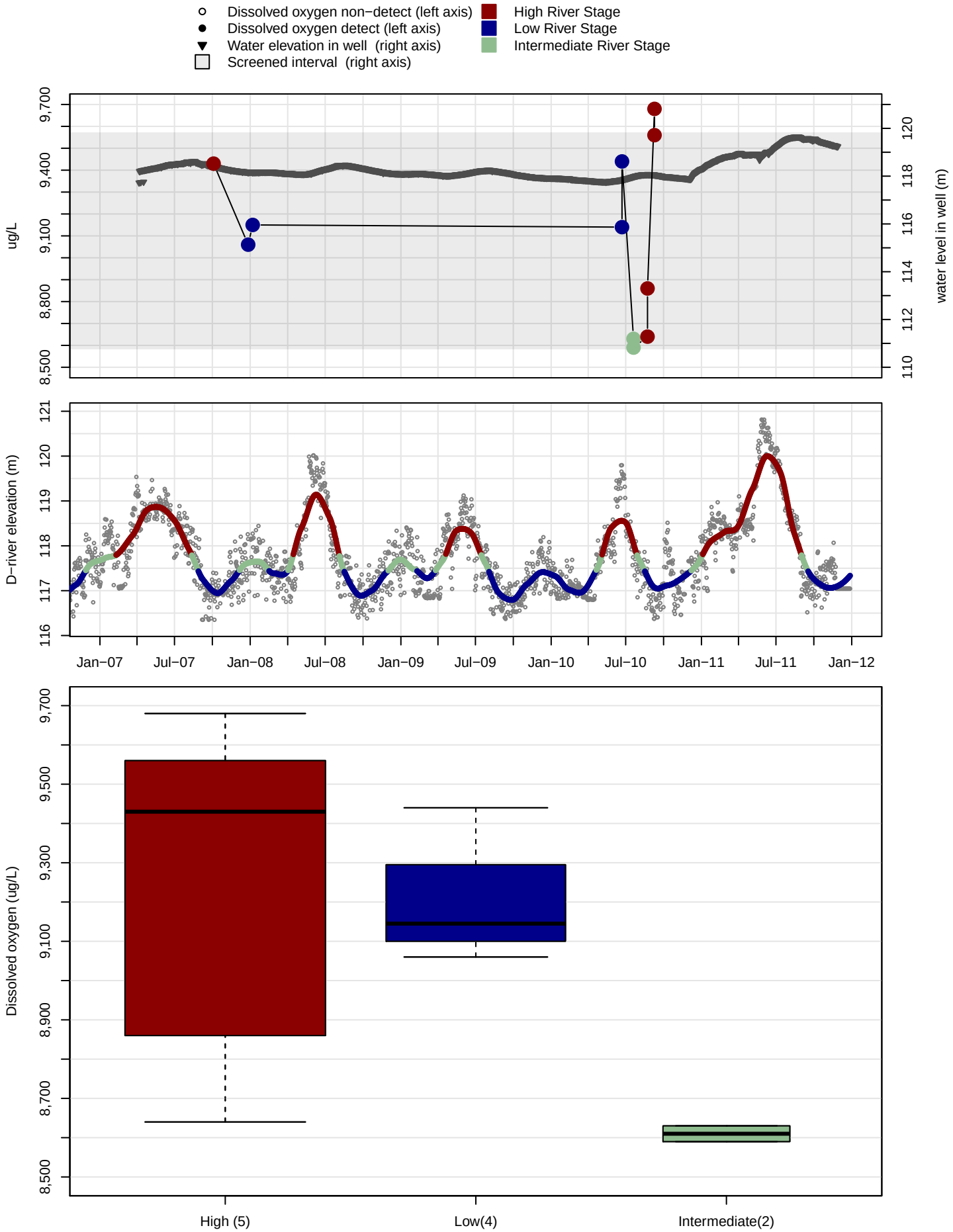
Mann Whitney p = NA t−test p = NA

199−D5−102 (748m) Lag (72 Days)



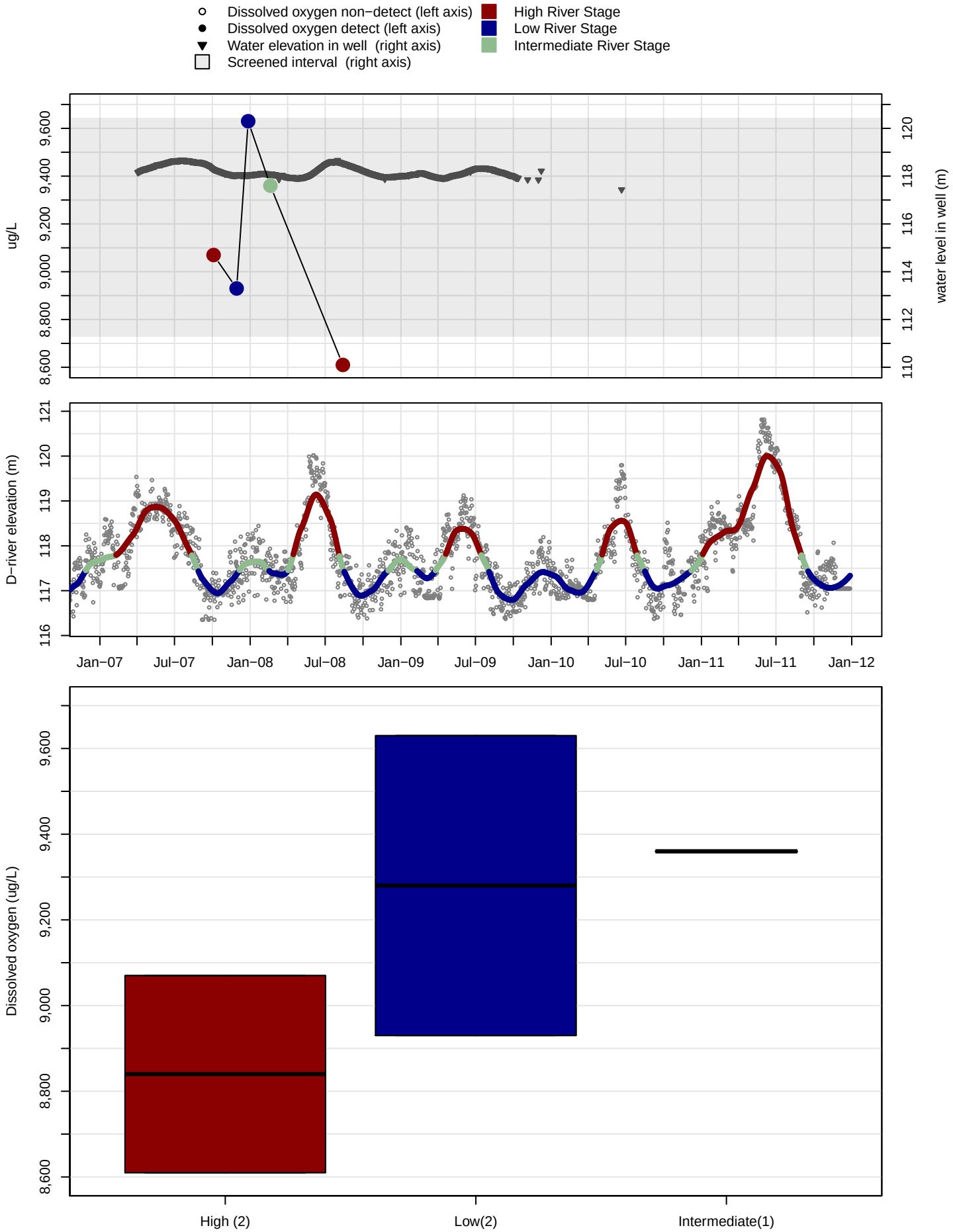
Mann Whitney p = NA t−test p = NA

199−D5−103 (731m) Lag (77 Days)



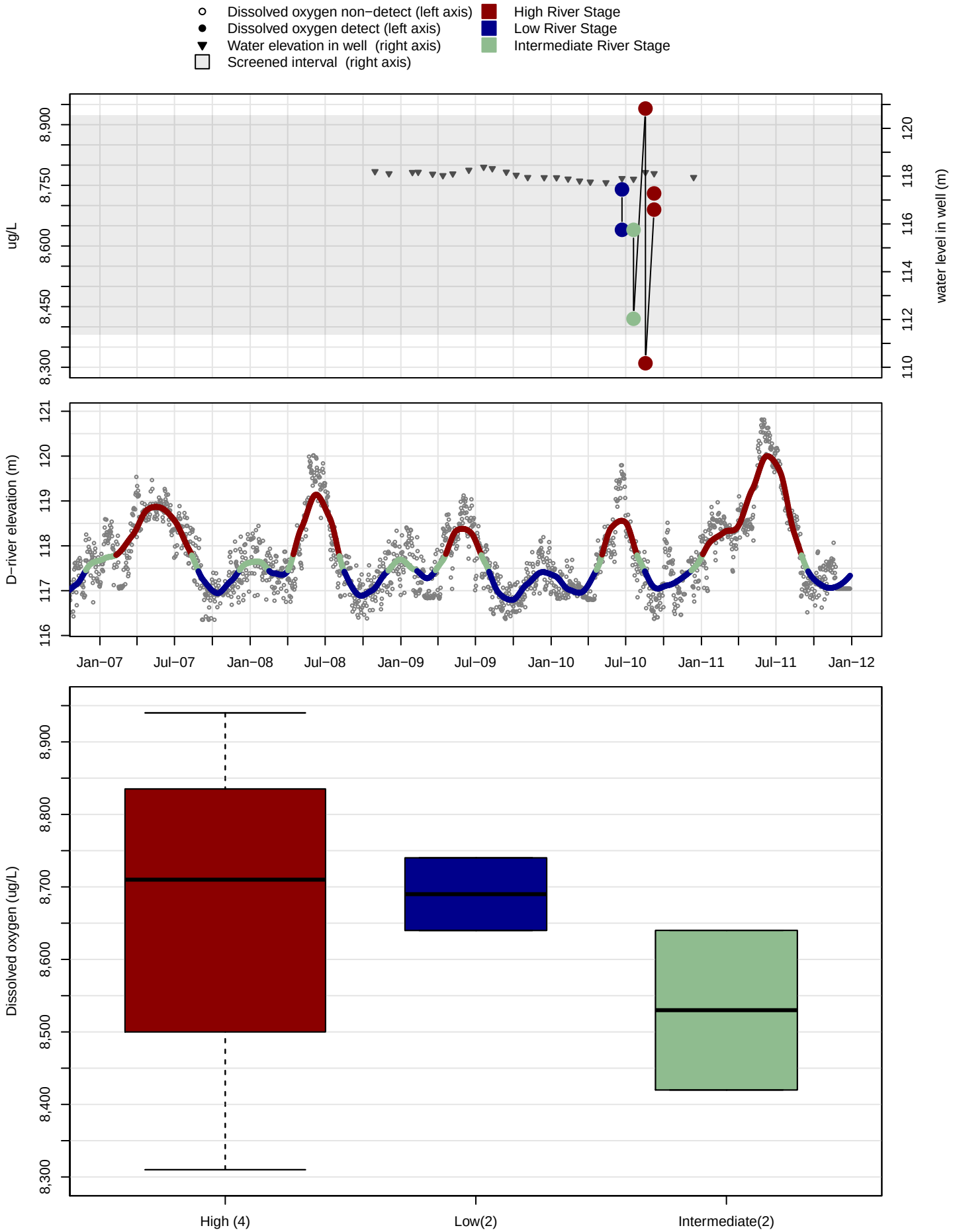
Mann Whitney p = 9.05e−01 t−test p = 8.75e−01

199−D5−104* (568m) Lag (54 Days)



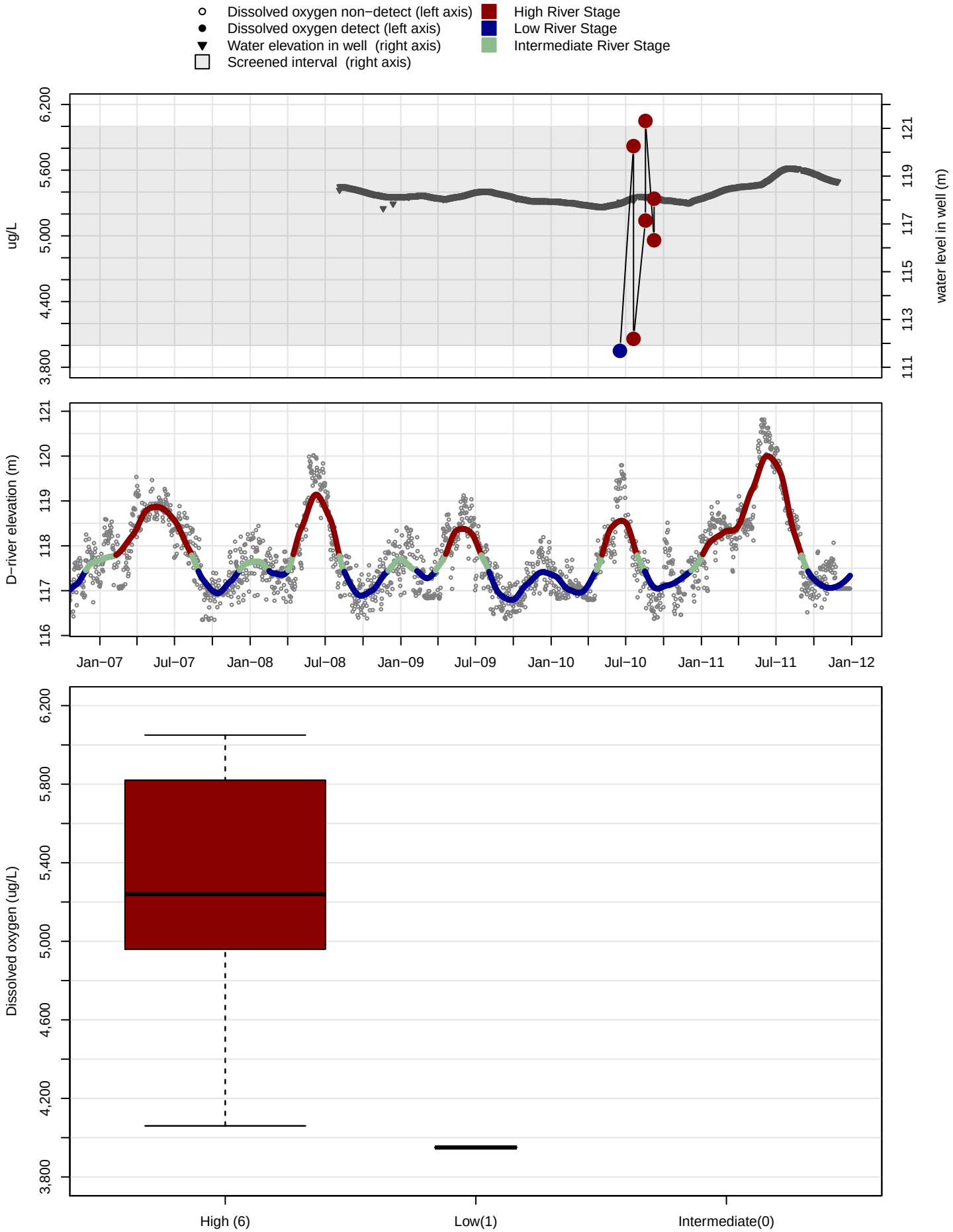
Mann Whitney p = NA t−test p = NA

199−D5−120 (667m) Lag (75 Days)



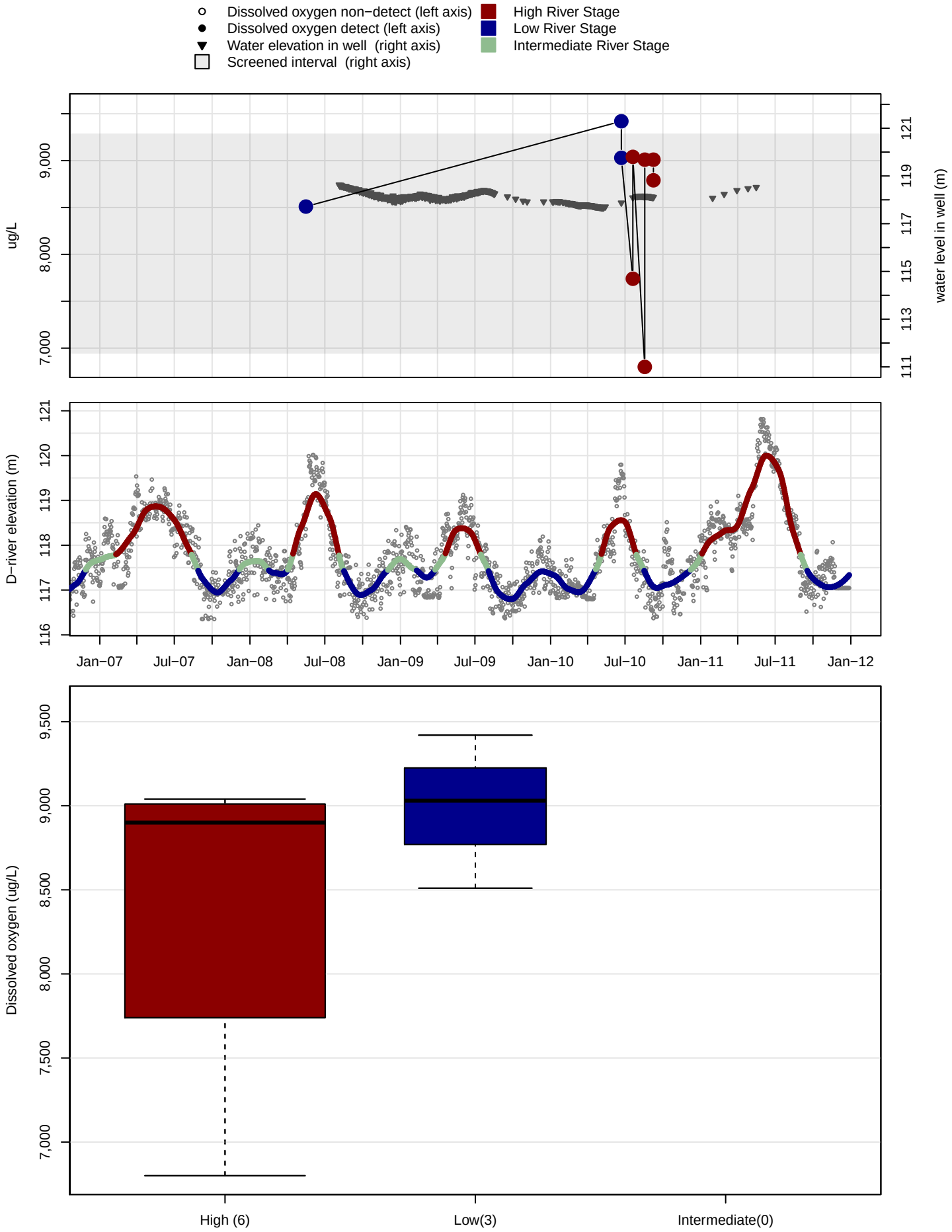
Mann Whitney p = NA t−test p = NA

199−D5−121 (711m) Lag (66 Days)



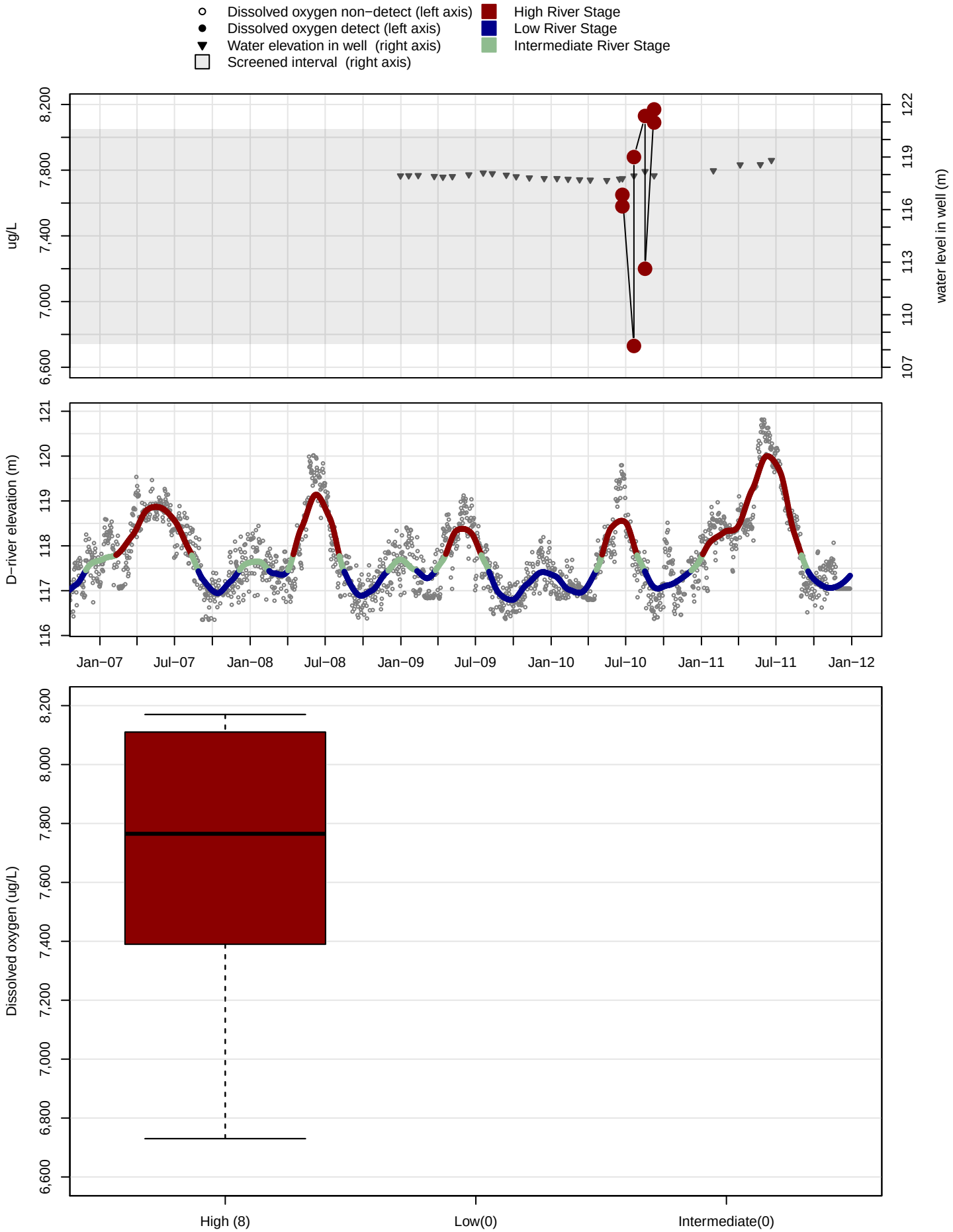
Mann Whitney p = NA t−test p = NA

199−D5−122 (640m) Lag (65 Days)



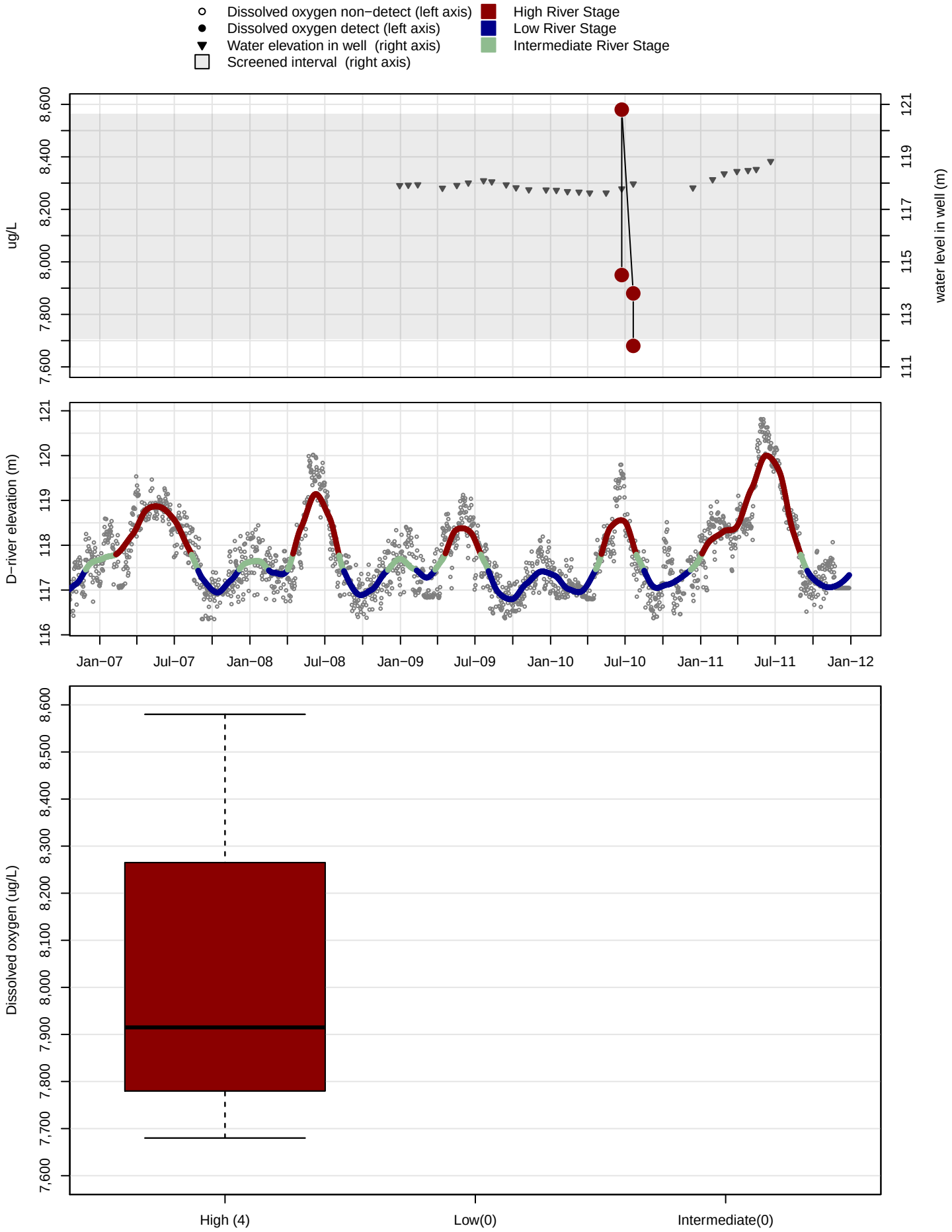
Mann Whitney p = 3.57e−01 t−test p = 2.43e−01

199−D5−123 (787m) Lag (45 Days)



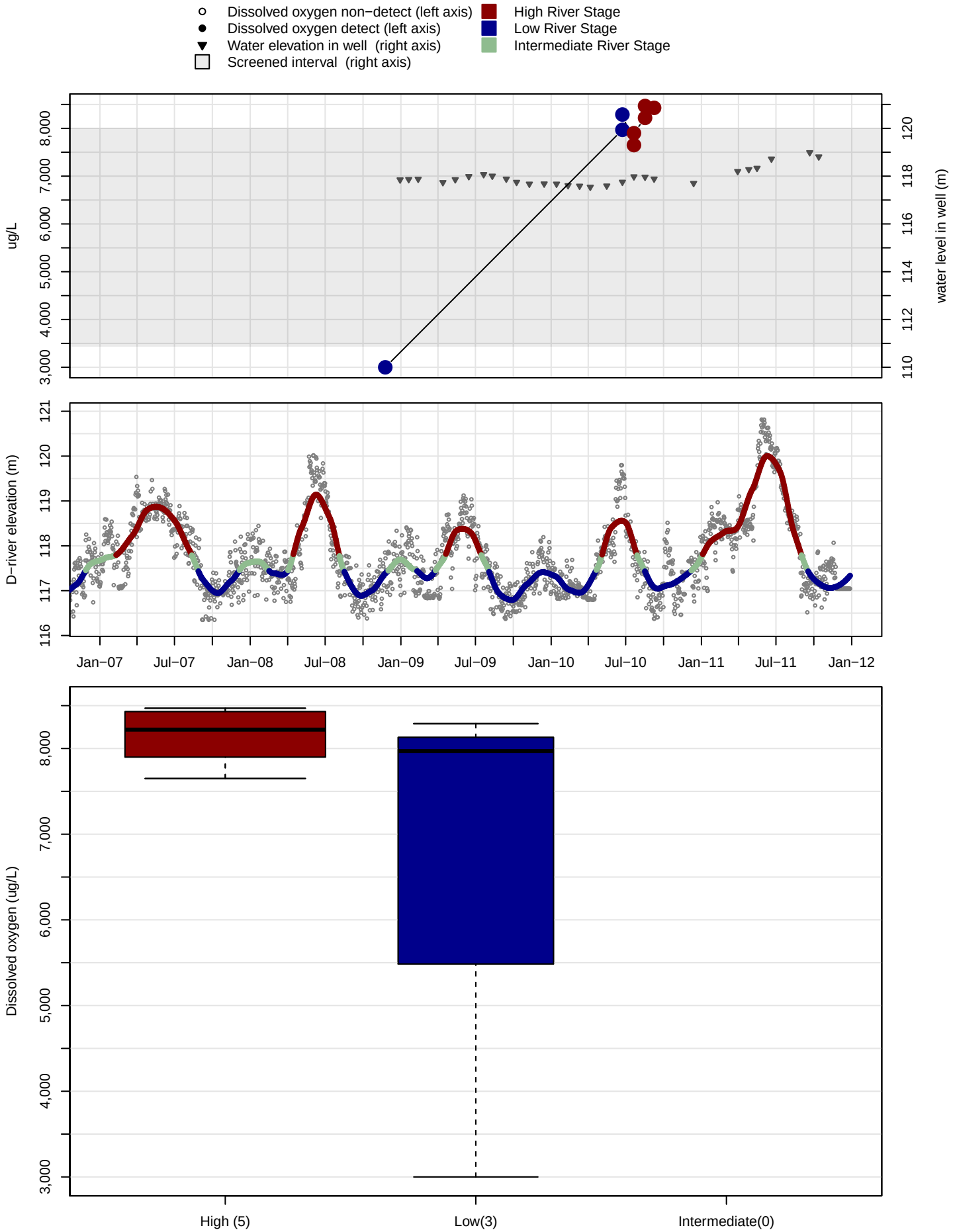
Mann Whitney p = NA t−test p = NA

199−D5−125 (618m) Lag (46 Days)



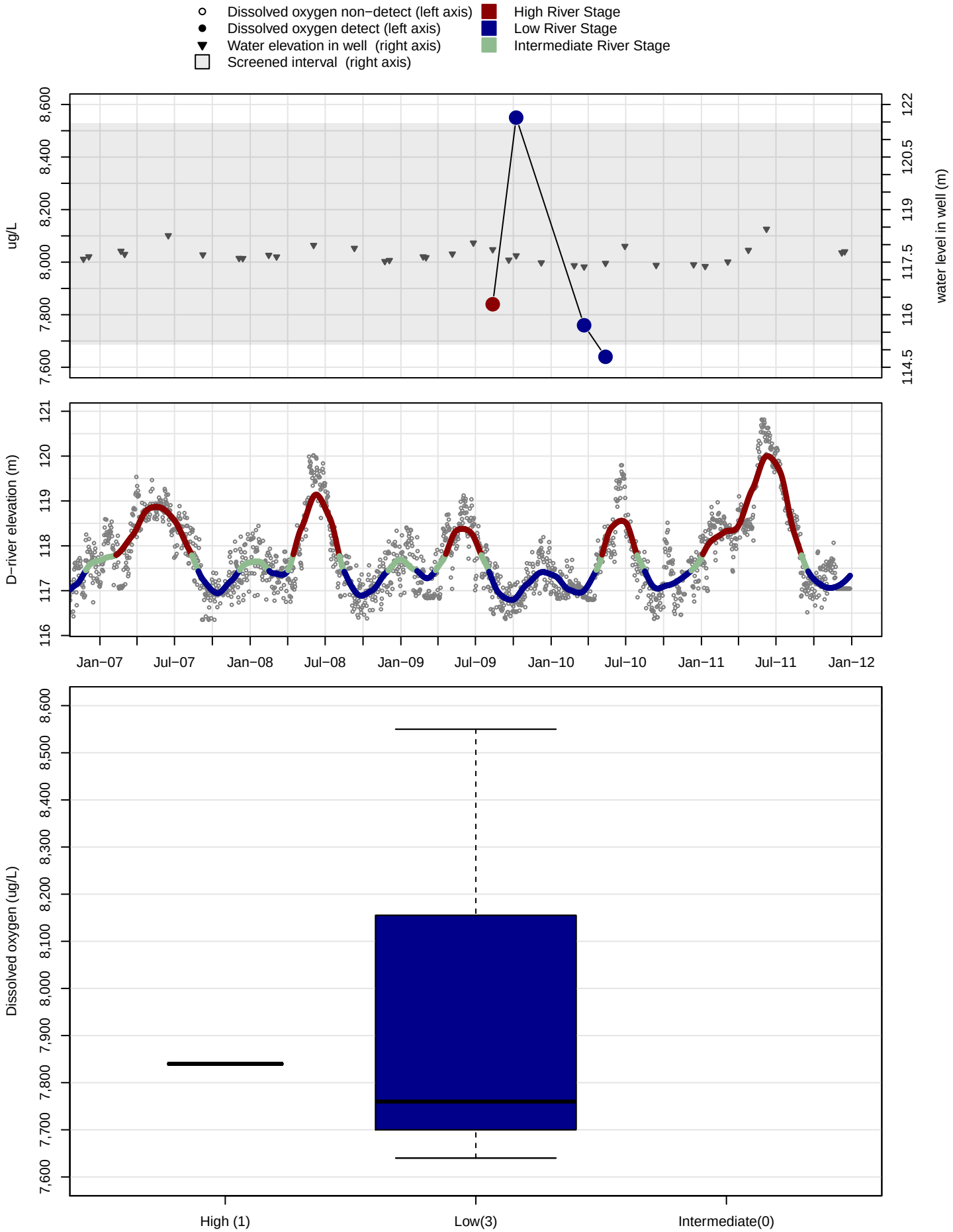
Mann Whitney p = NA t−test p = NA

199−D5−126 (551m) Lag (70 Days)



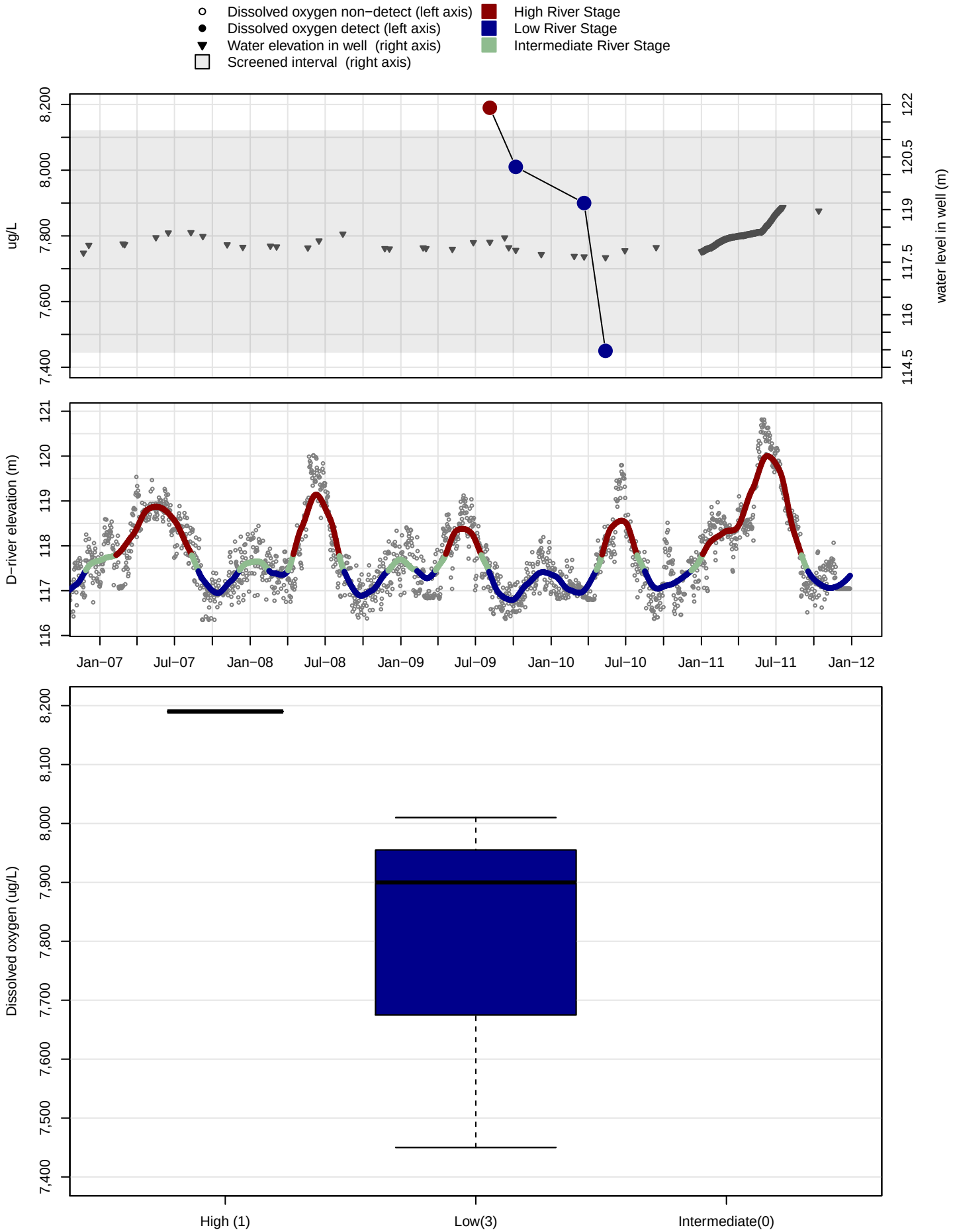
Mann Whitney p = 5.71e−01 t−test p = 4.22e−01

199−D5−13 (371m) Lag (38 Days)



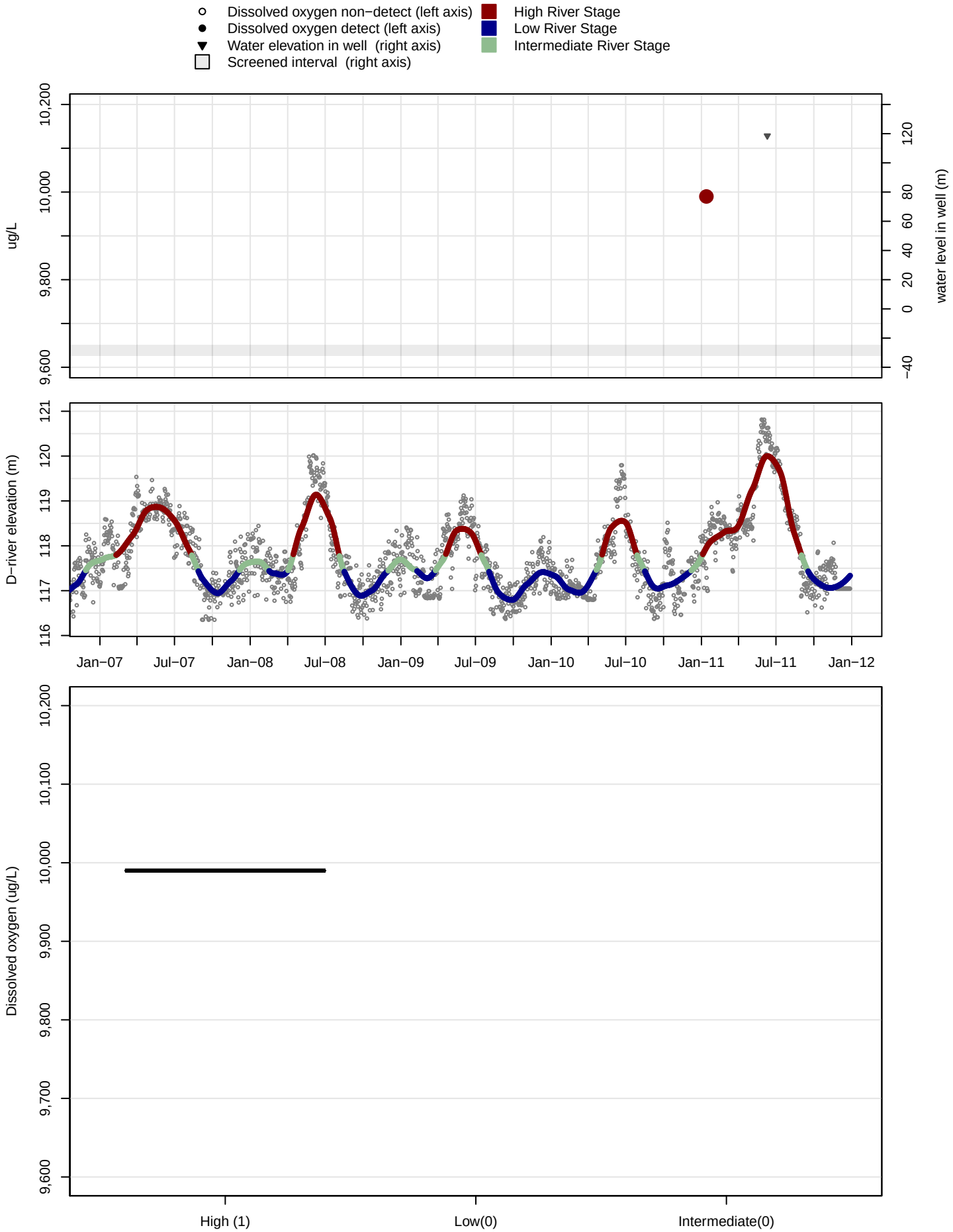
Mann Whitney p = NA t−test p = NA

199−D5−14 (642m) Lag (50 Days)



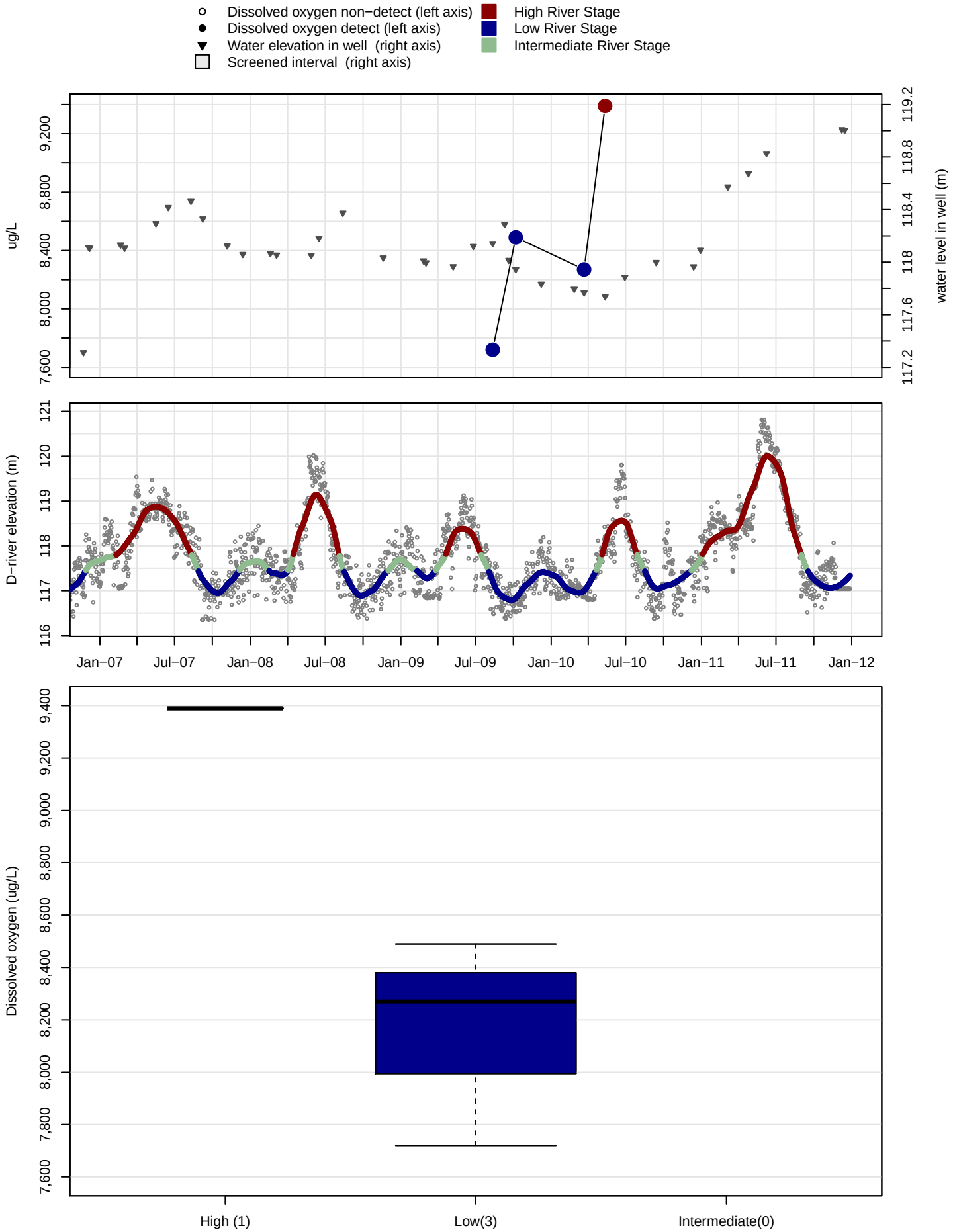
Mann Whitney p = NA t−test p = NA

199−D5−140 (630m) Lag (Indeterminate)



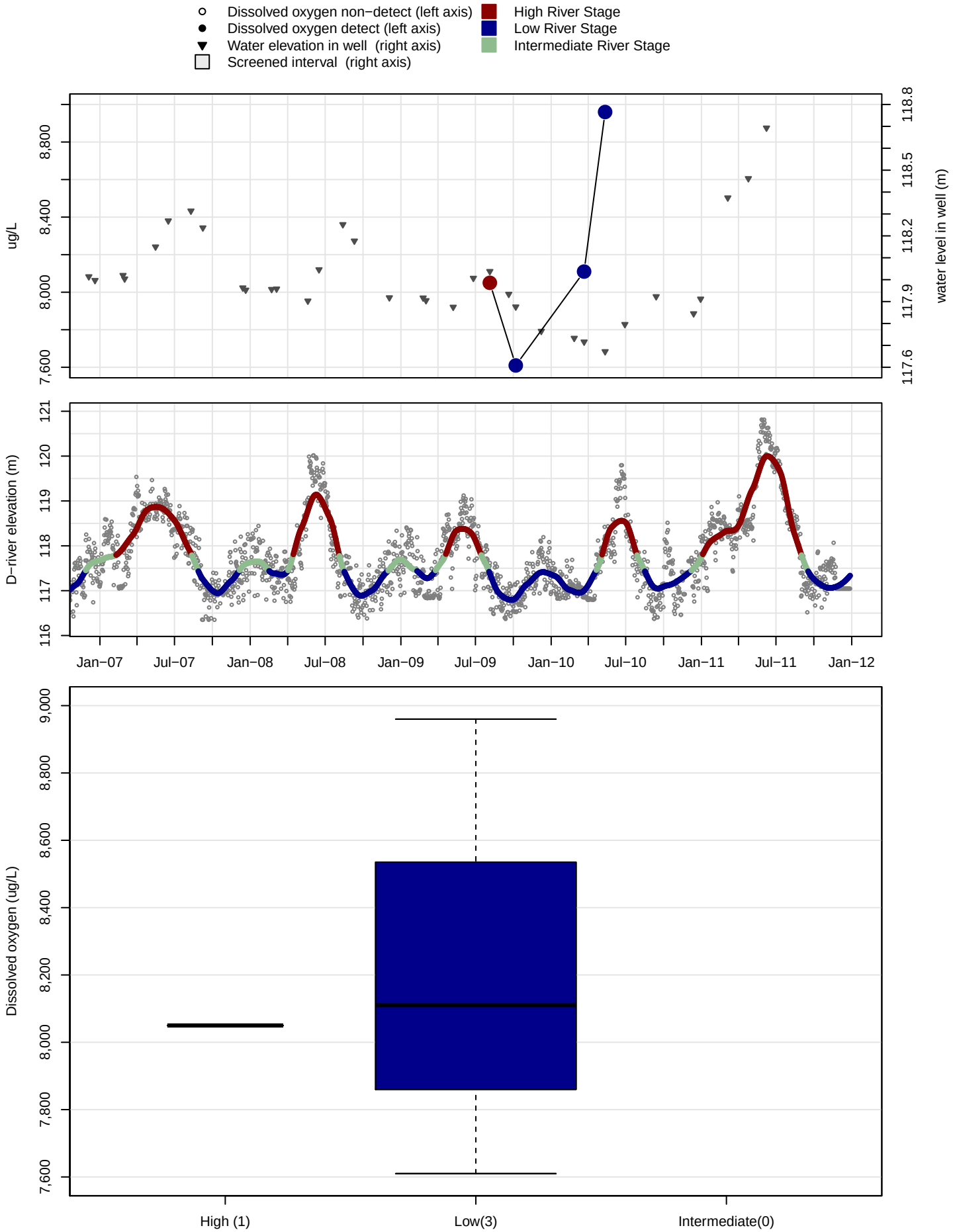
Mann Whitney p = NA t−test p = NA

199−D5−15 (716m) Lag (53 Days)



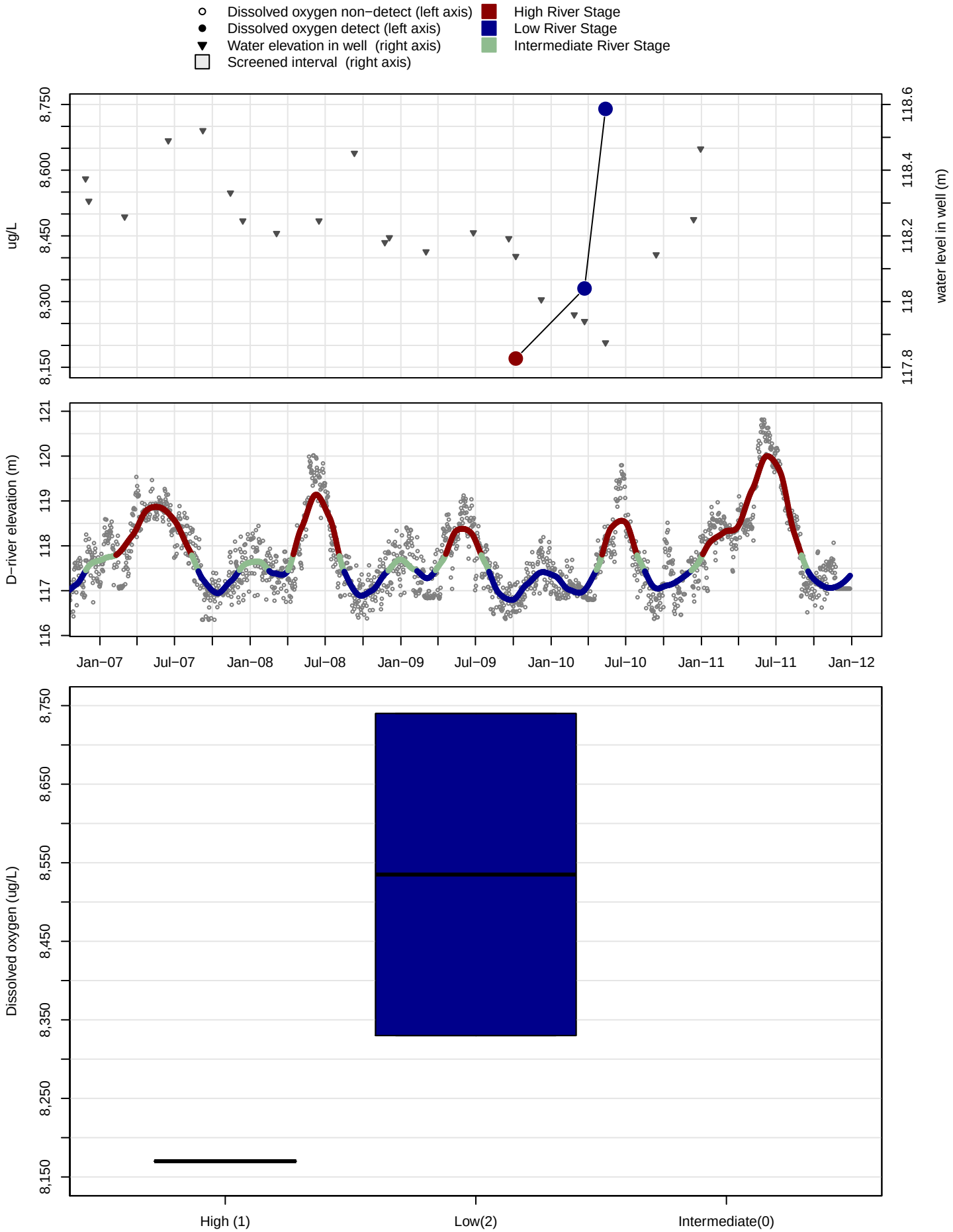
Mann Whitney p = NA t−test p = NA

199−D5−16 (826m) Lag (49 Days)



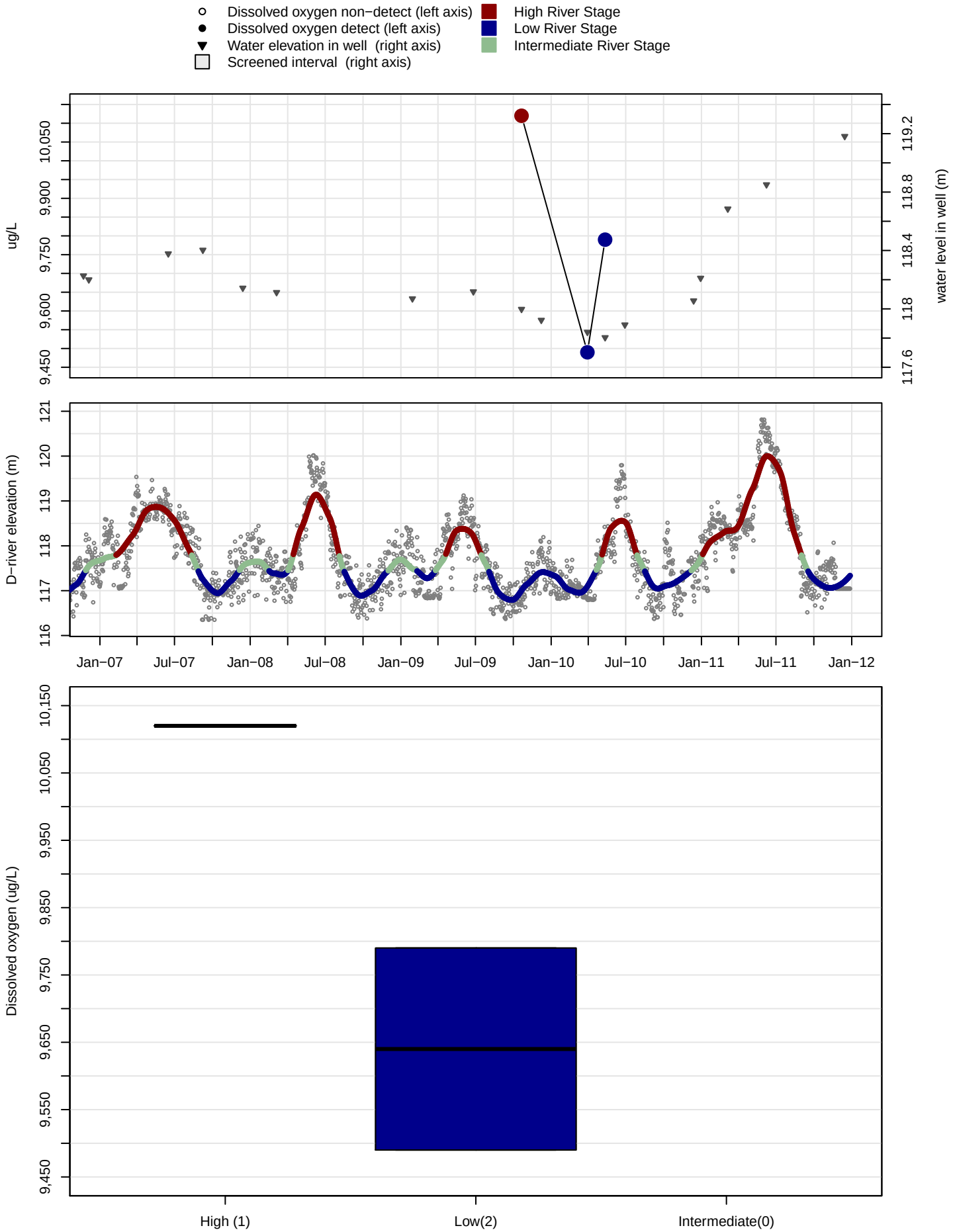
Mann Whitney p = NA t−test p = NA

199−D5−17 (995m) Lag (122 Days)



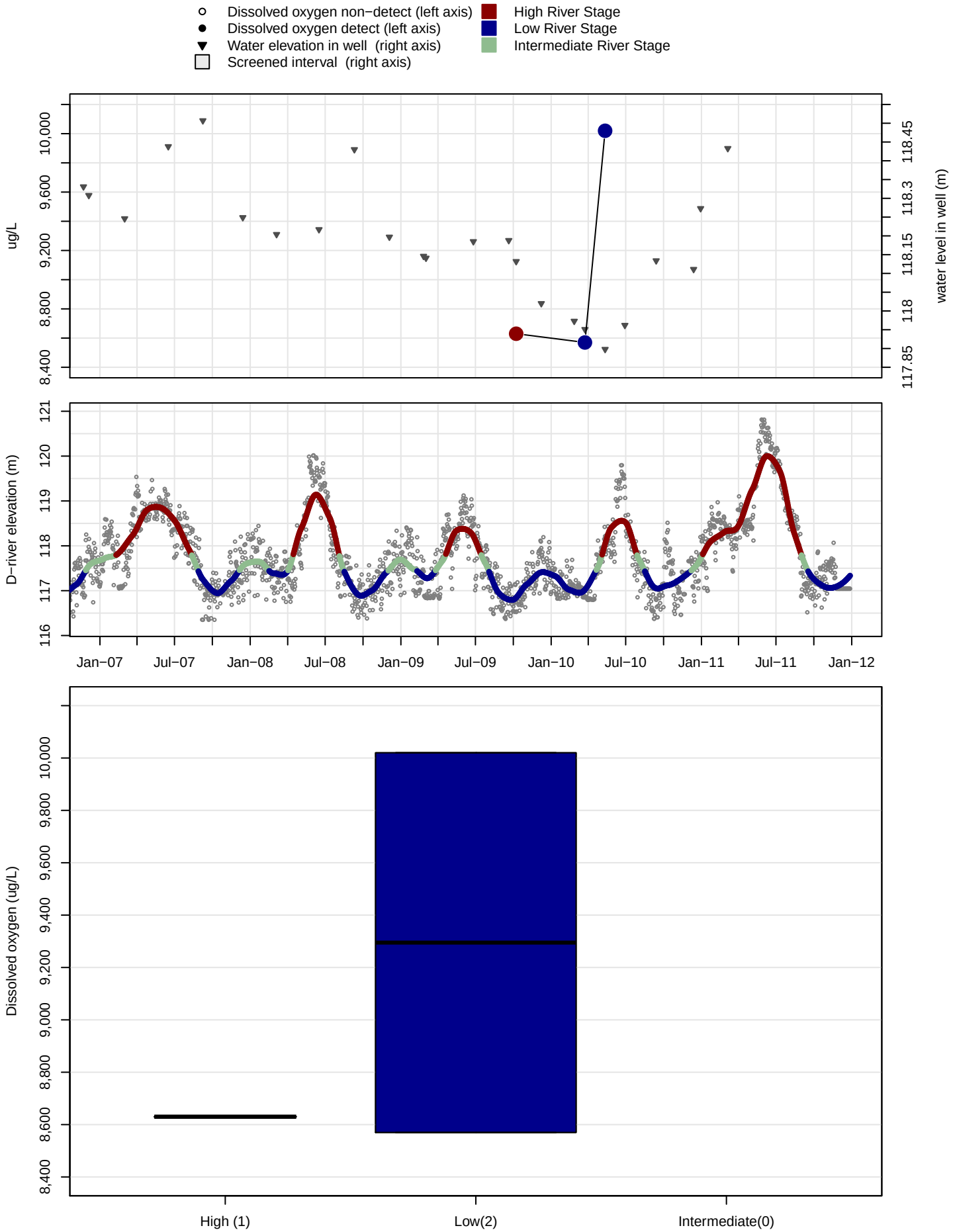
Mann Whitney p = NA t−test p = NA

199−D5−18 (1080m) Lag (139 Days)



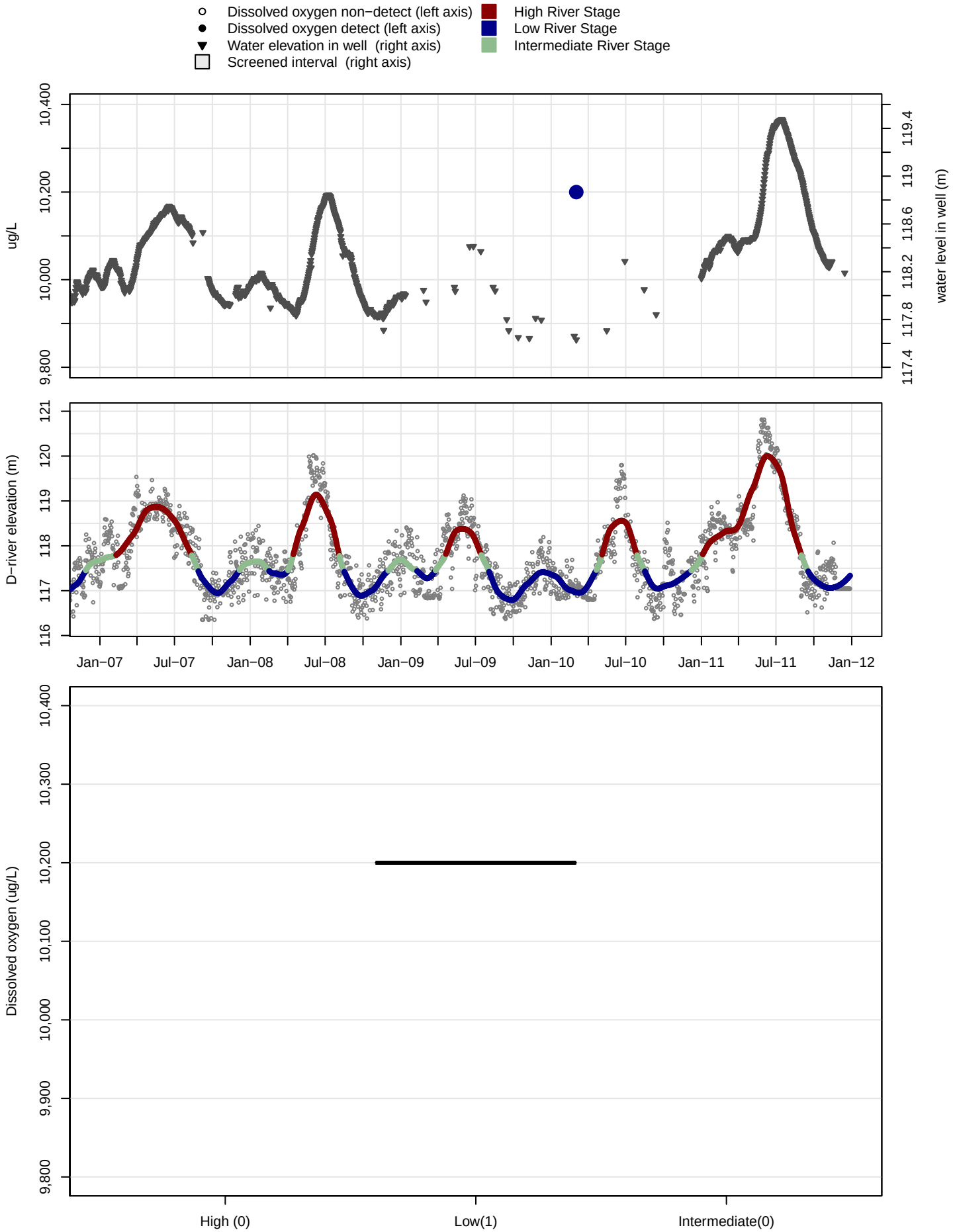
Mann Whitney p = NA t−test p = NA

199−D5−19 (1138m) Lag (118 Days)



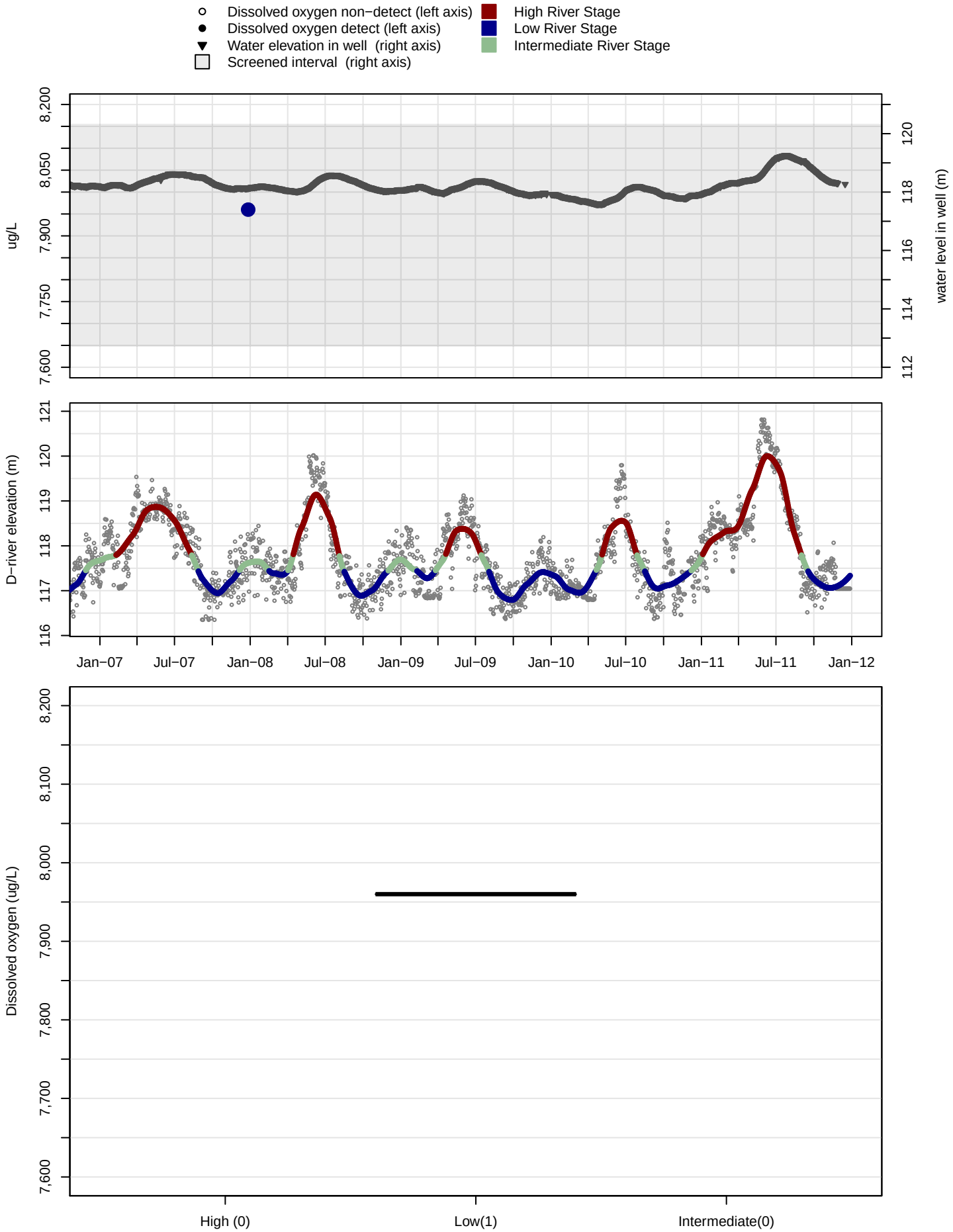
Mann Whitney p = NA t−test p = NA

199−D5−33 (251m) Lag (34 Days)



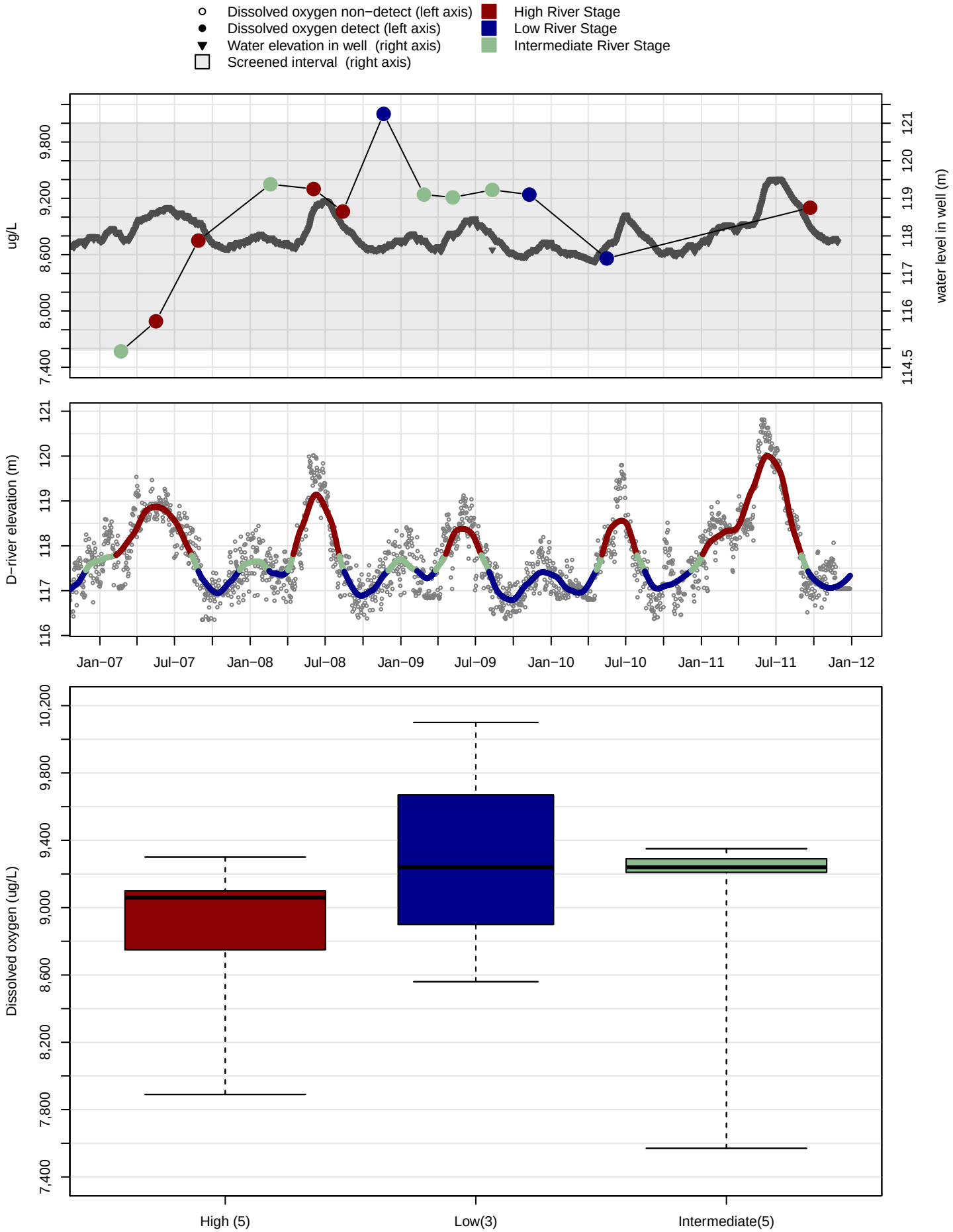
Mann Whitney p = NA t−test p = NA

199−D5−34 (466m) Lag (52 Days)



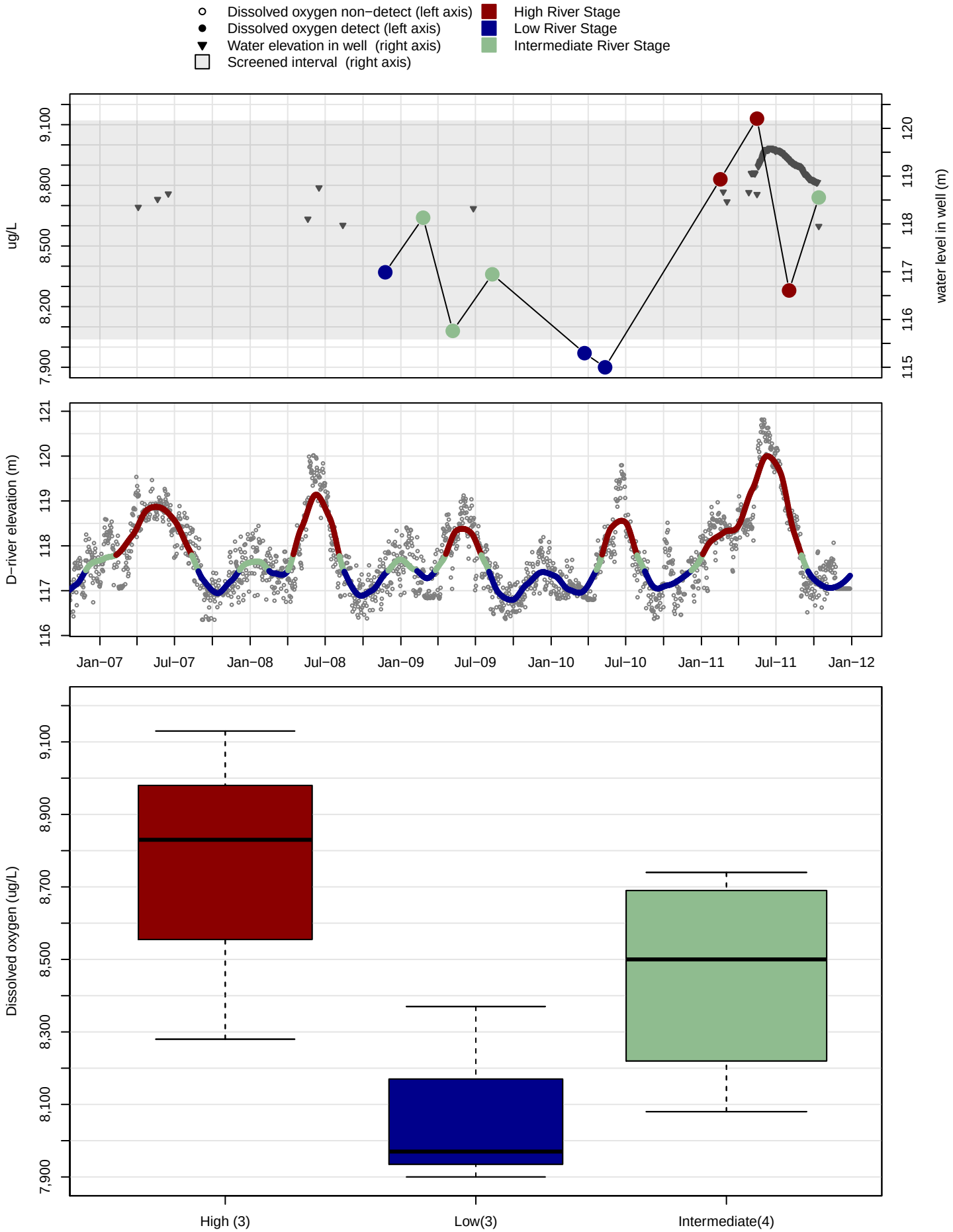
Mann Whitney p = NA t−test p = NA

199−D5−36 (103m) Lag (25 Days)



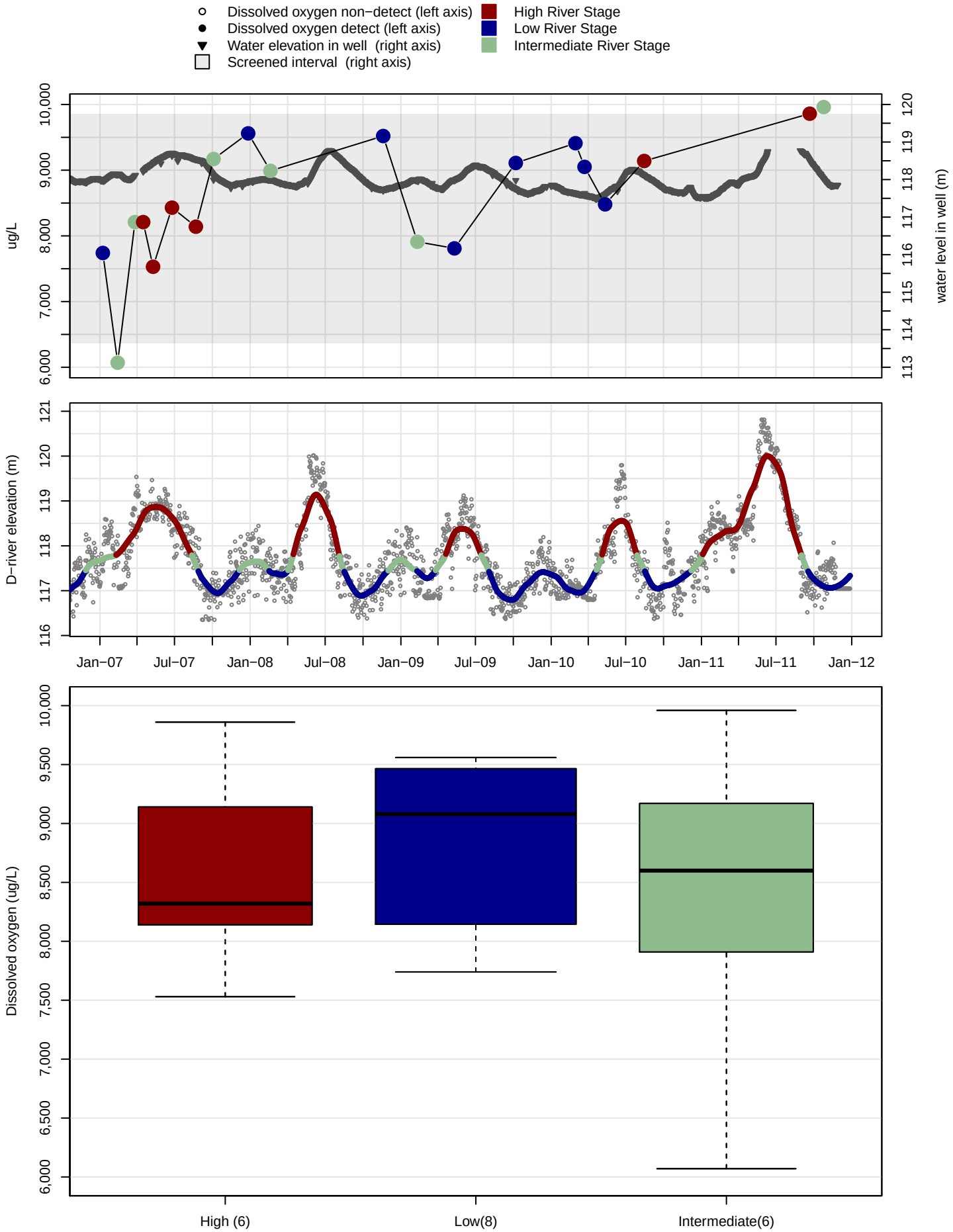
Mann Whitney p = 5.71e−01 t−test p = 4.11e−01

199−D5−37 (148m) Lag (24 Days)



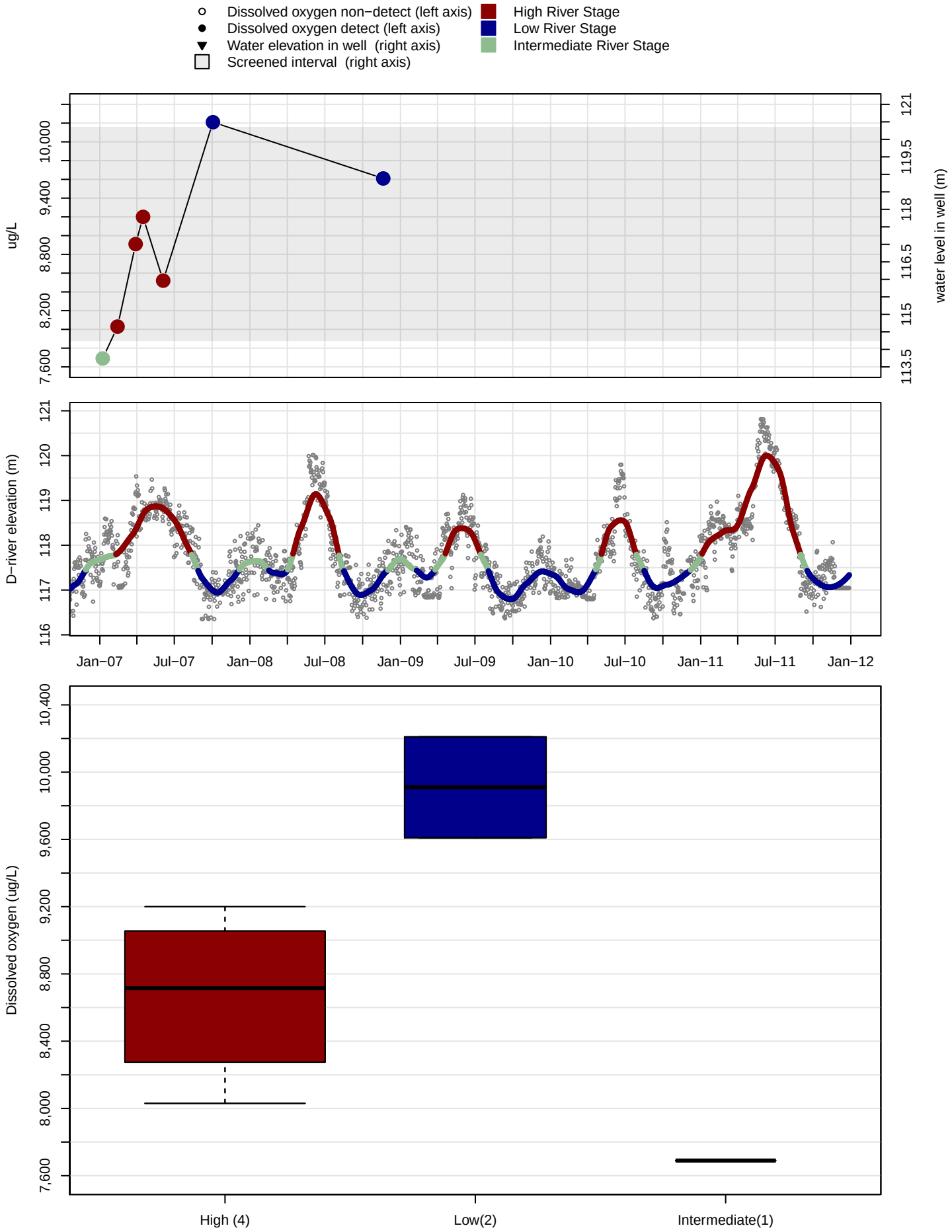
Mann Whitney p = 2e−01 t−test p = 9.77e−02

199−D5−38 (285m) Lag (46 Days)



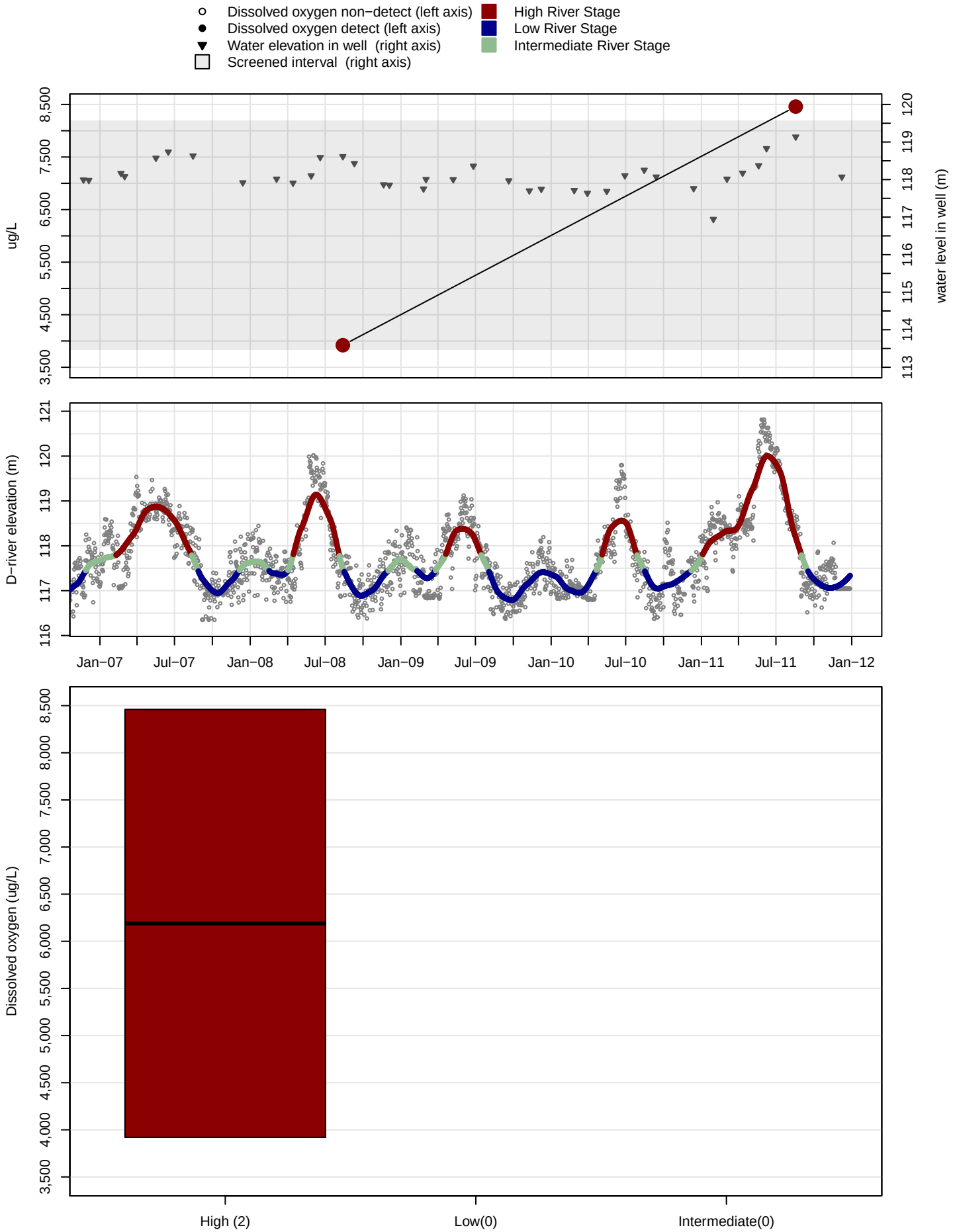
Mann Whitney p = 5.73e−01 t−test p = 5.21e−01

199−D5−39* (470m) Lag (Indeterminate)



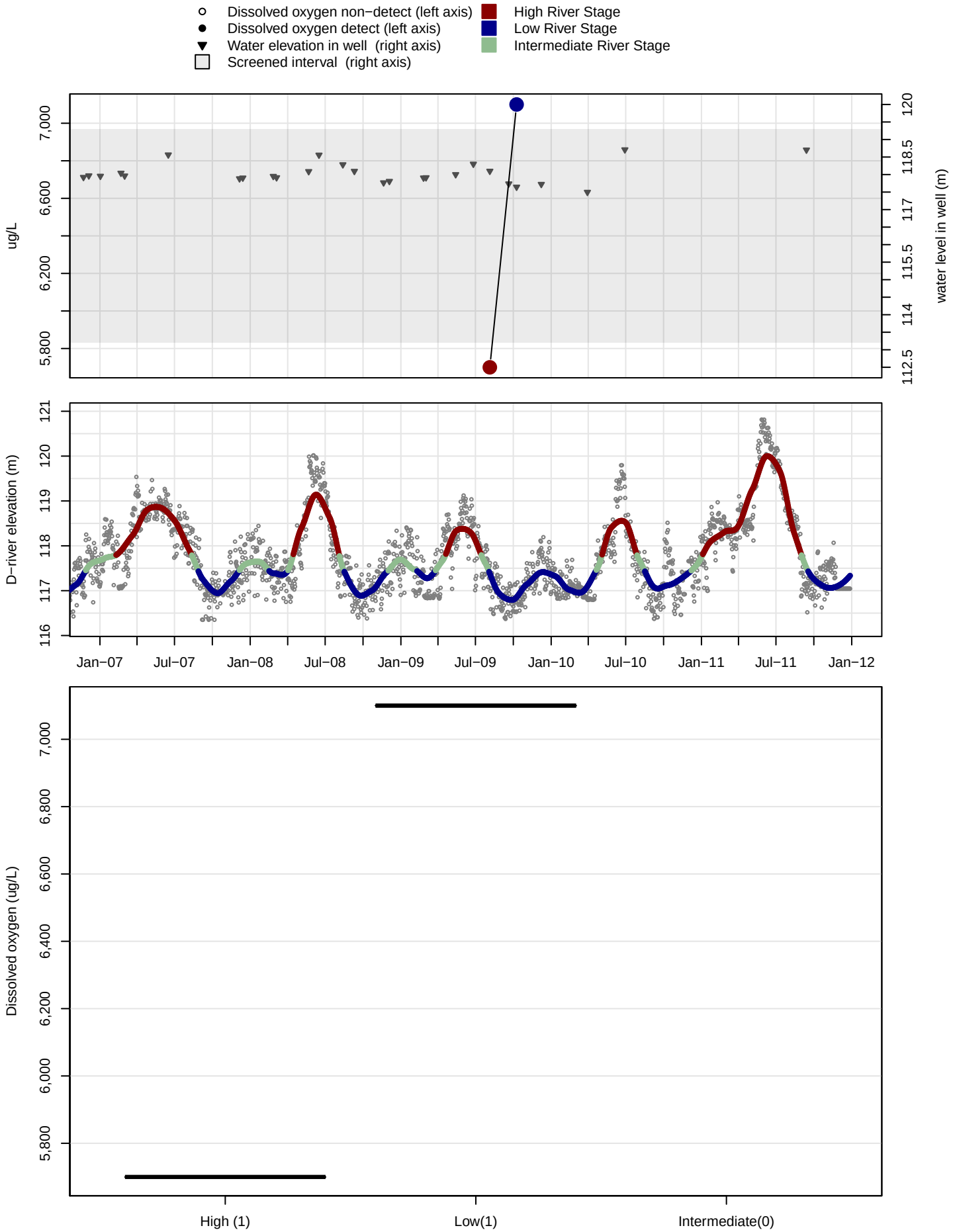
Mann Whitney p = NA t−test p = NA

199−D5−40 (510m) Lag (45 Days)



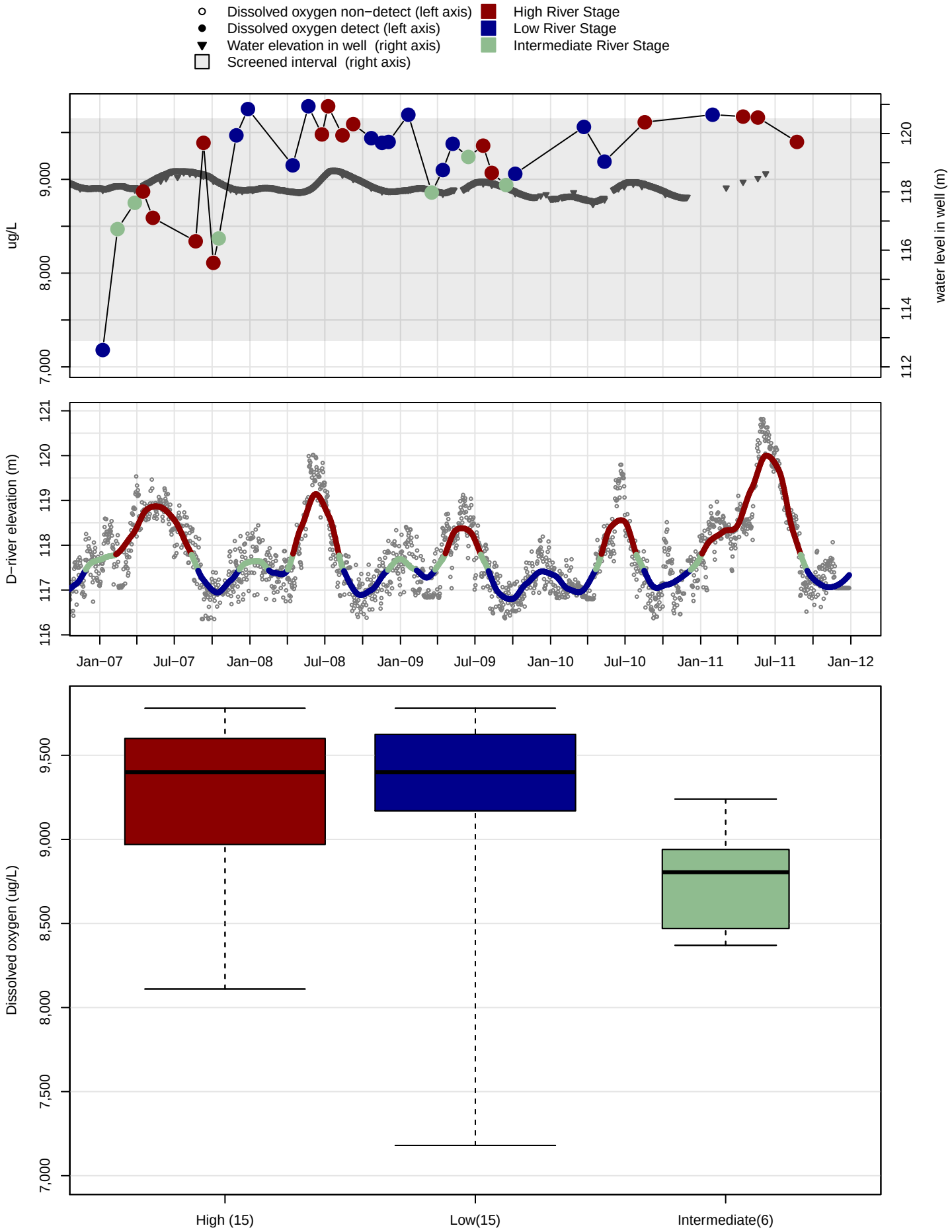
Mann Whitney p = NA t−test p = NA

199−D5−41* (418m) Lag (33 Days)



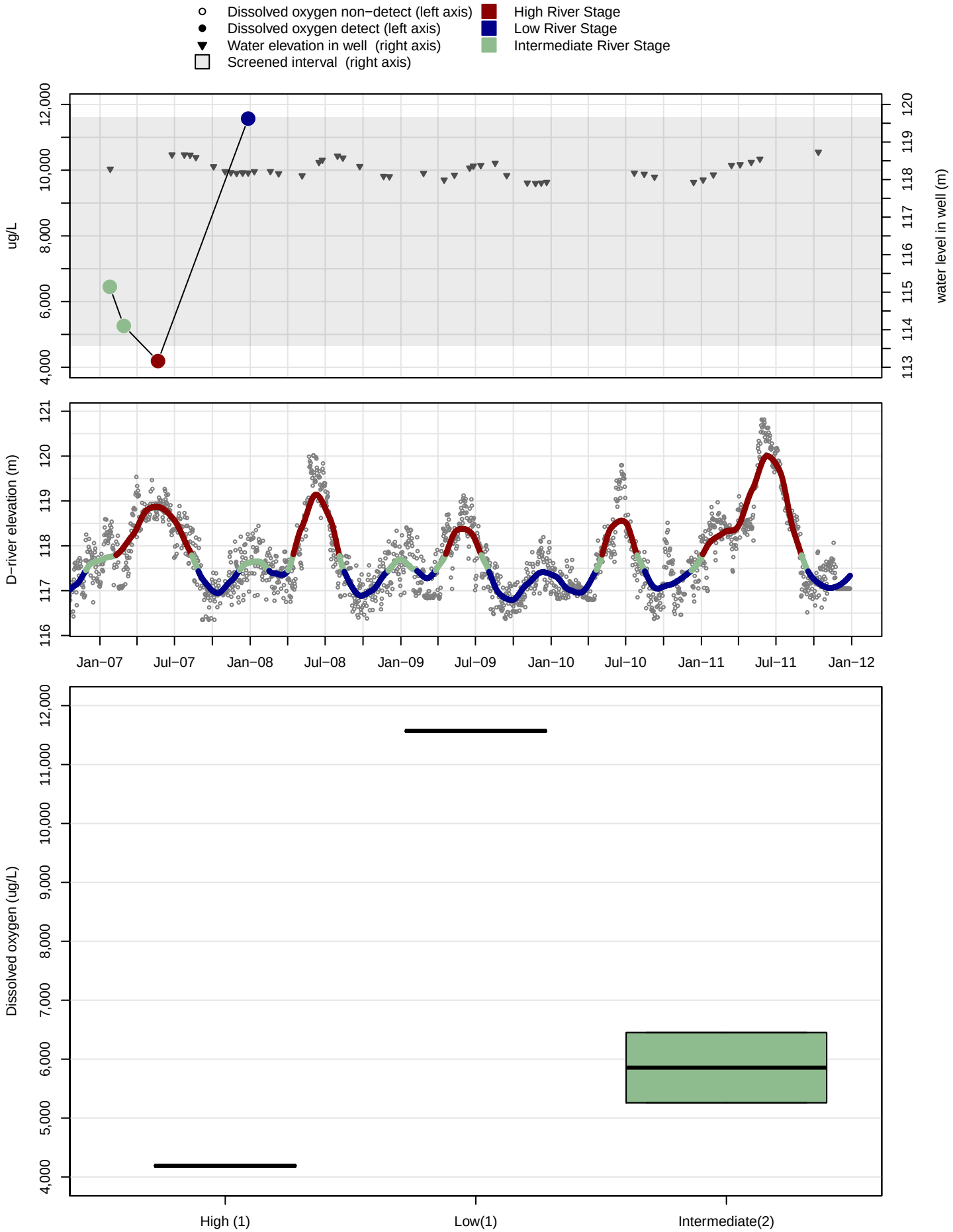
Mann Whitney p = NA t−test p = NA

199−D5−43 (612m) Lag (57 Days)



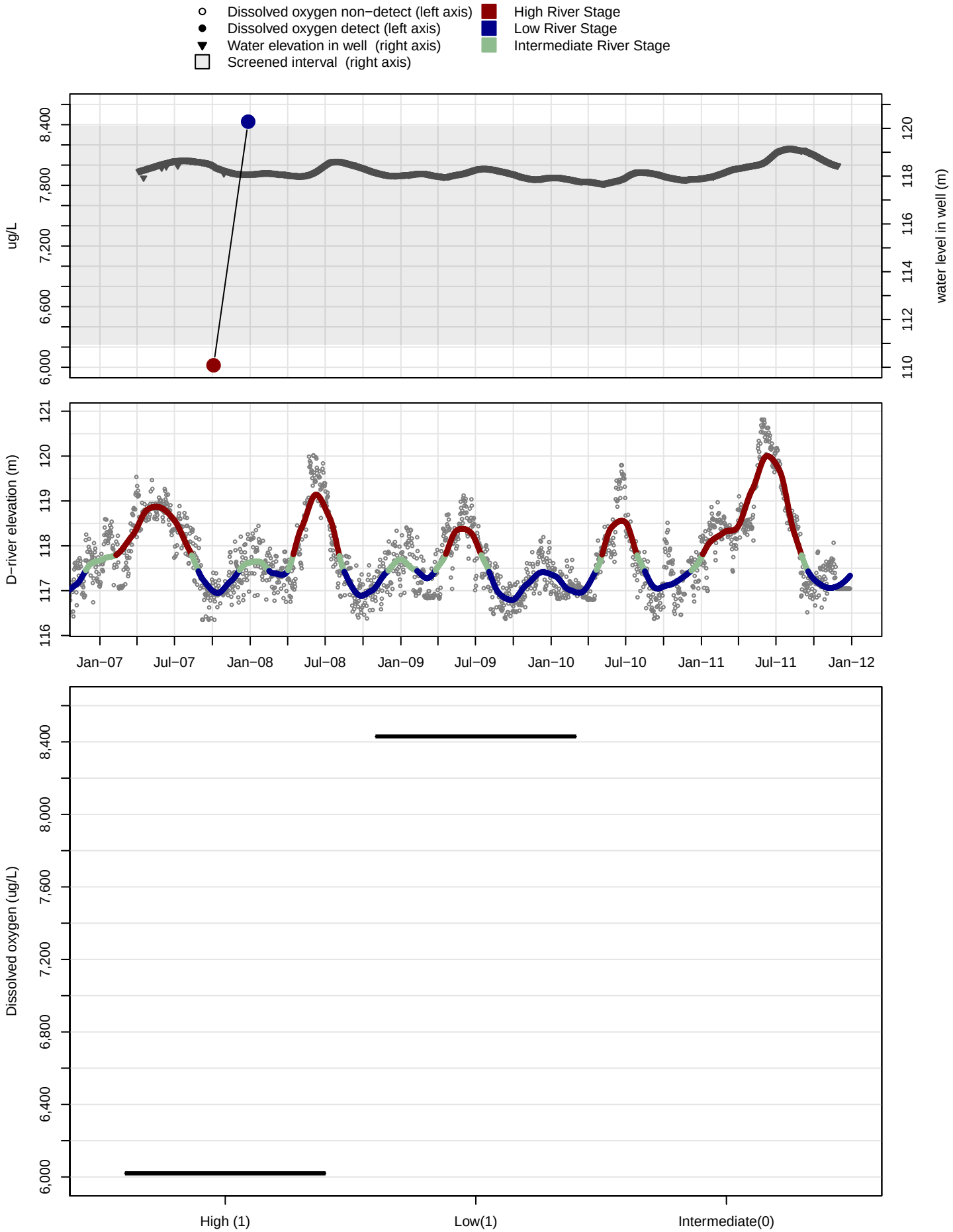
Mann Whitney p = 7.05e−01 t−test p = 7.92e−01

199−D5−93 (611m) Lag (53 Days)



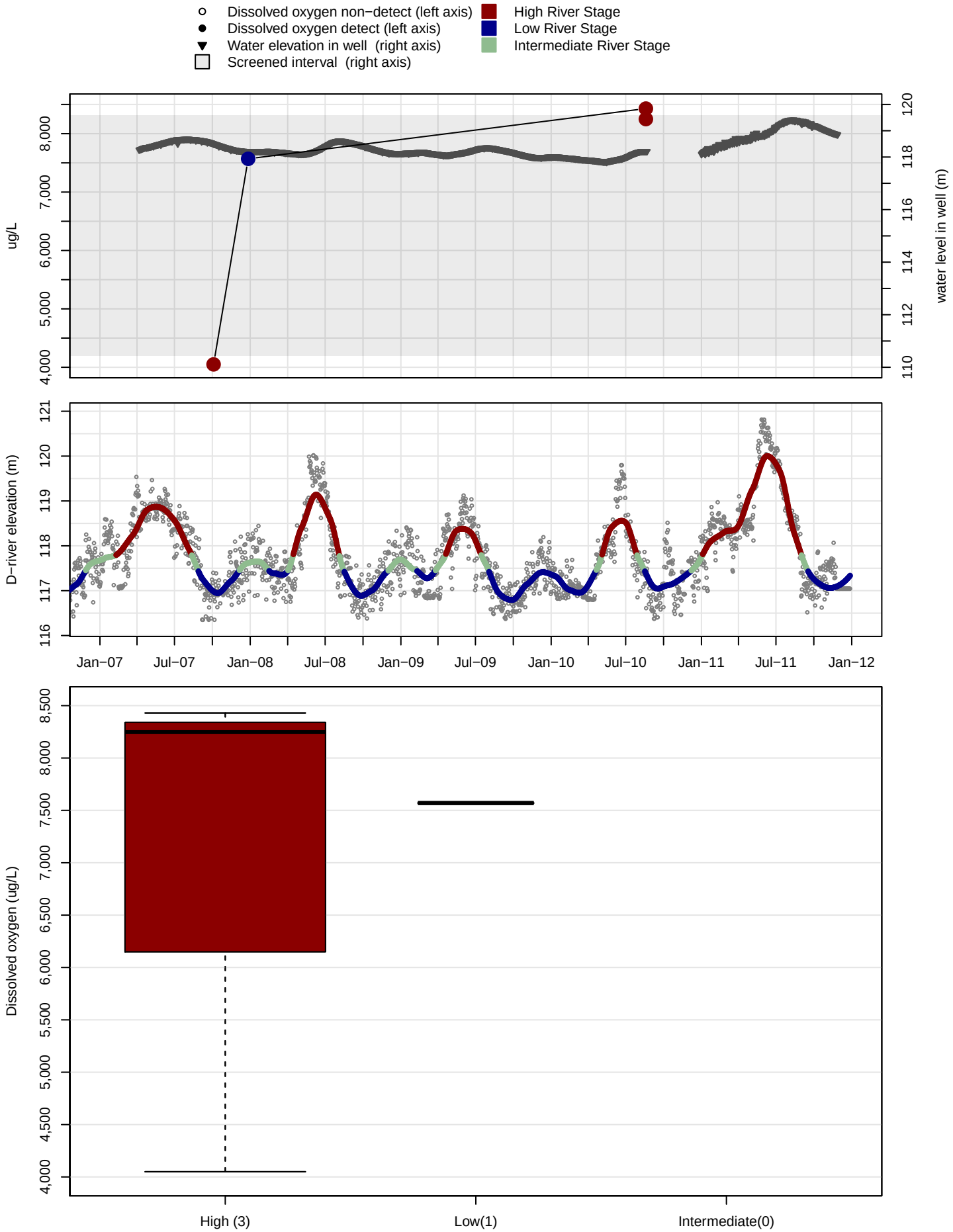
Mann Whitney p = NA t−test p = NA

199−D5−97 (635m) Lag (65 Days)



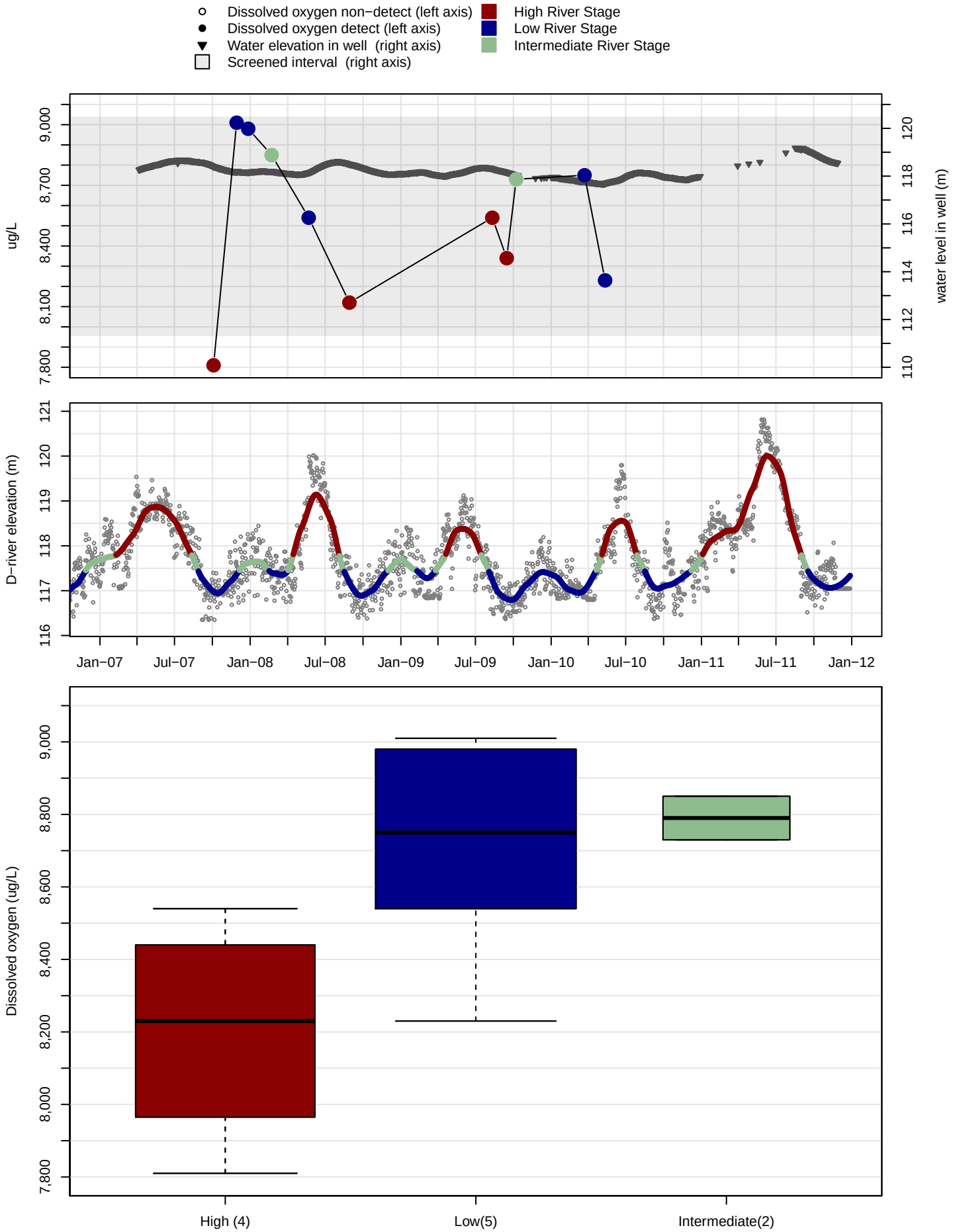
Mann Whitney p = NA t−test p = NA

199−D5−98 (743m) Lag (76 Days)



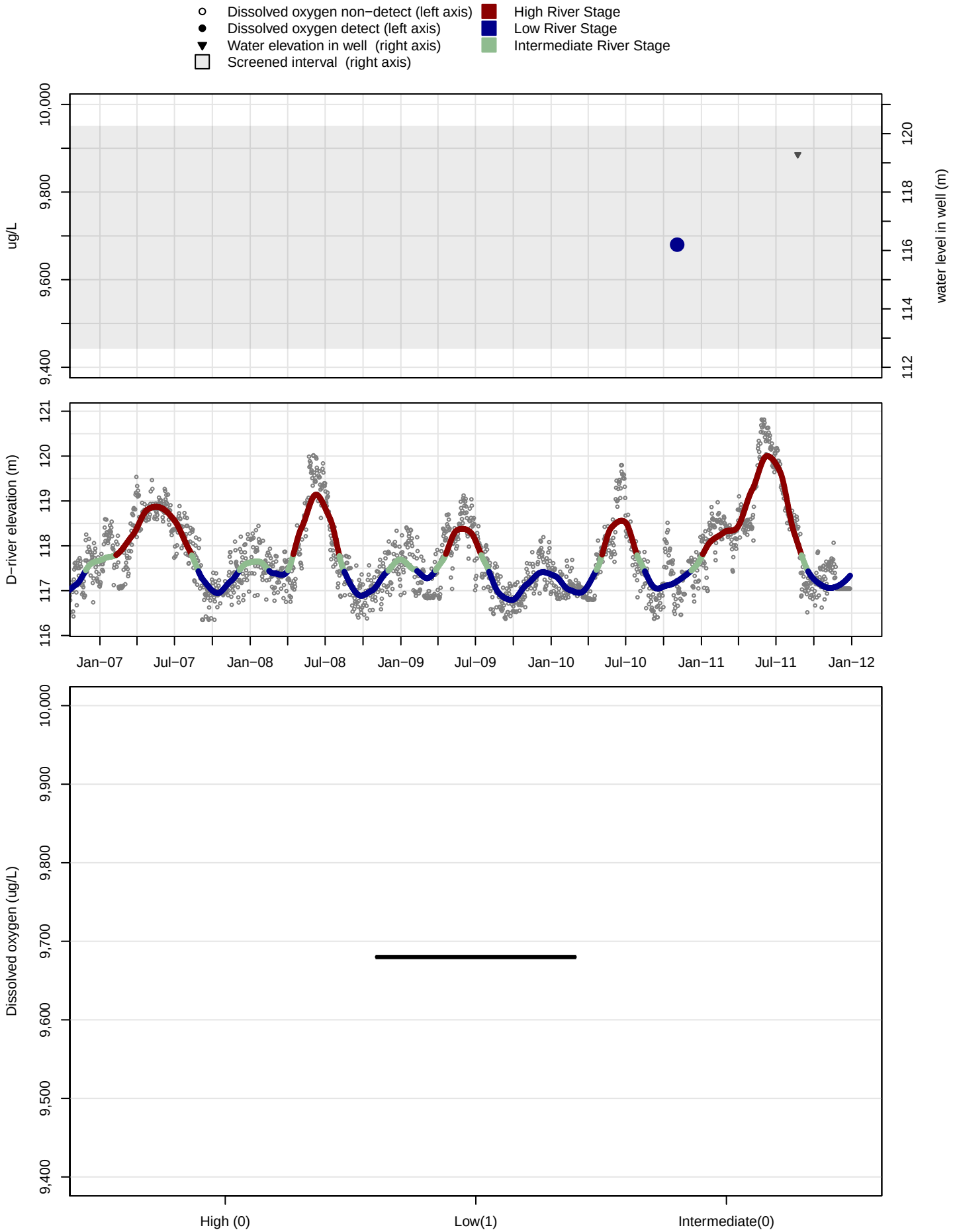
Mann Whitney p = NA t−test p = NA

199−D5−99 (648m) Lag (69 Days)



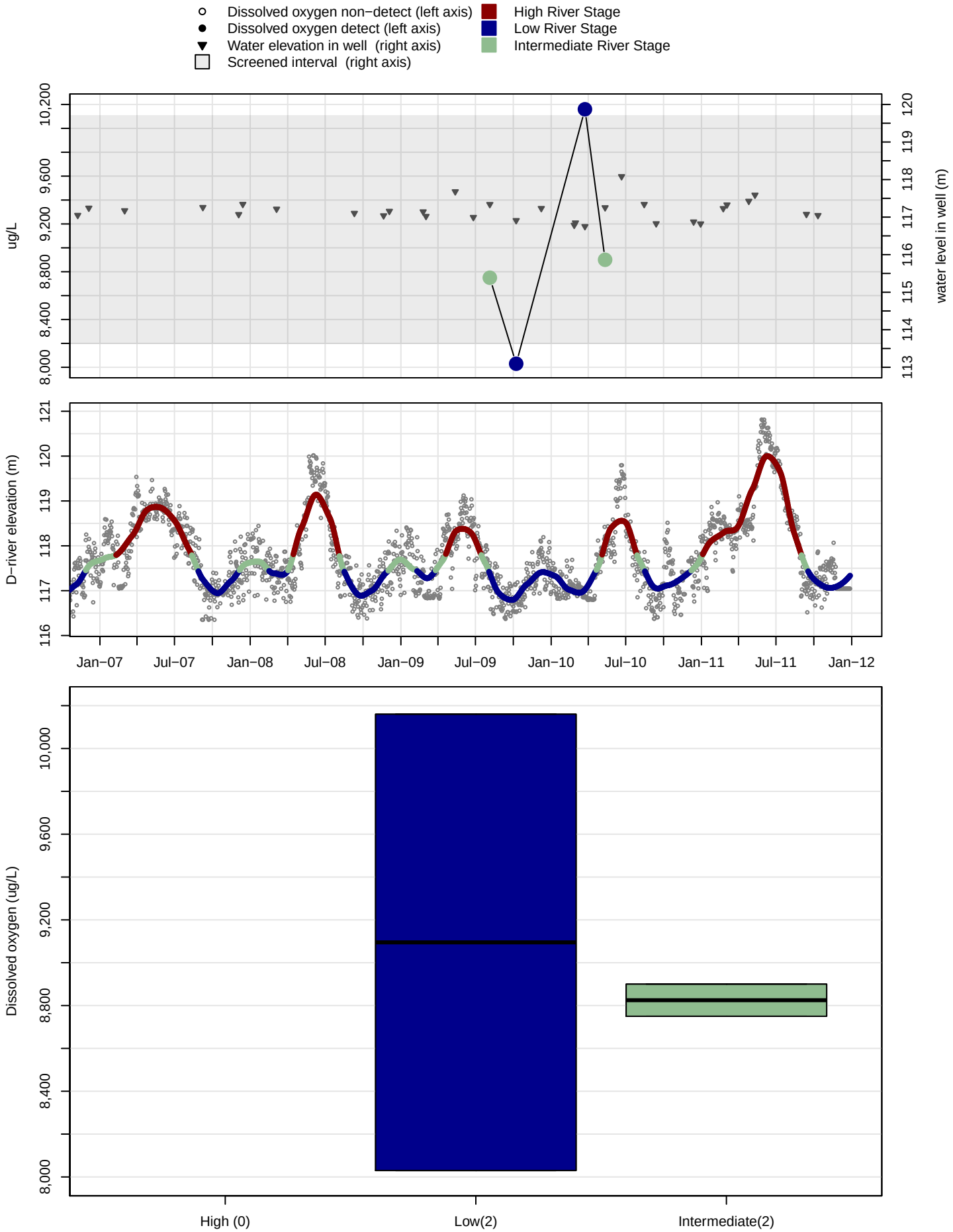
Mann Whitney p = 7.14e−02 t−test p = 5.37e−02

199−D6−3 (982m) Lag (Indeterminate)



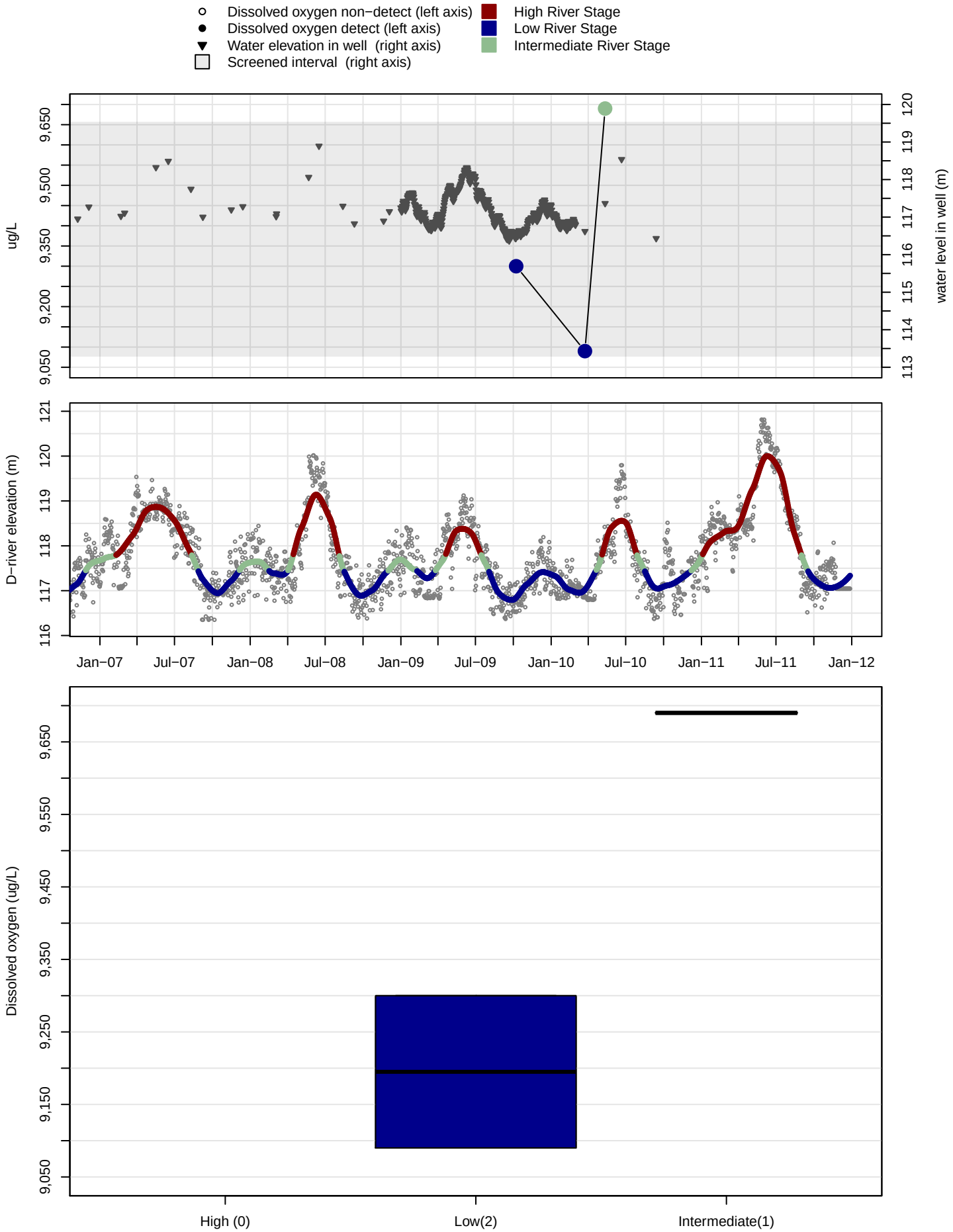
Mann Whitney p = NA t−test p = NA

199−D8−5 (127m) Lag (8 Days)



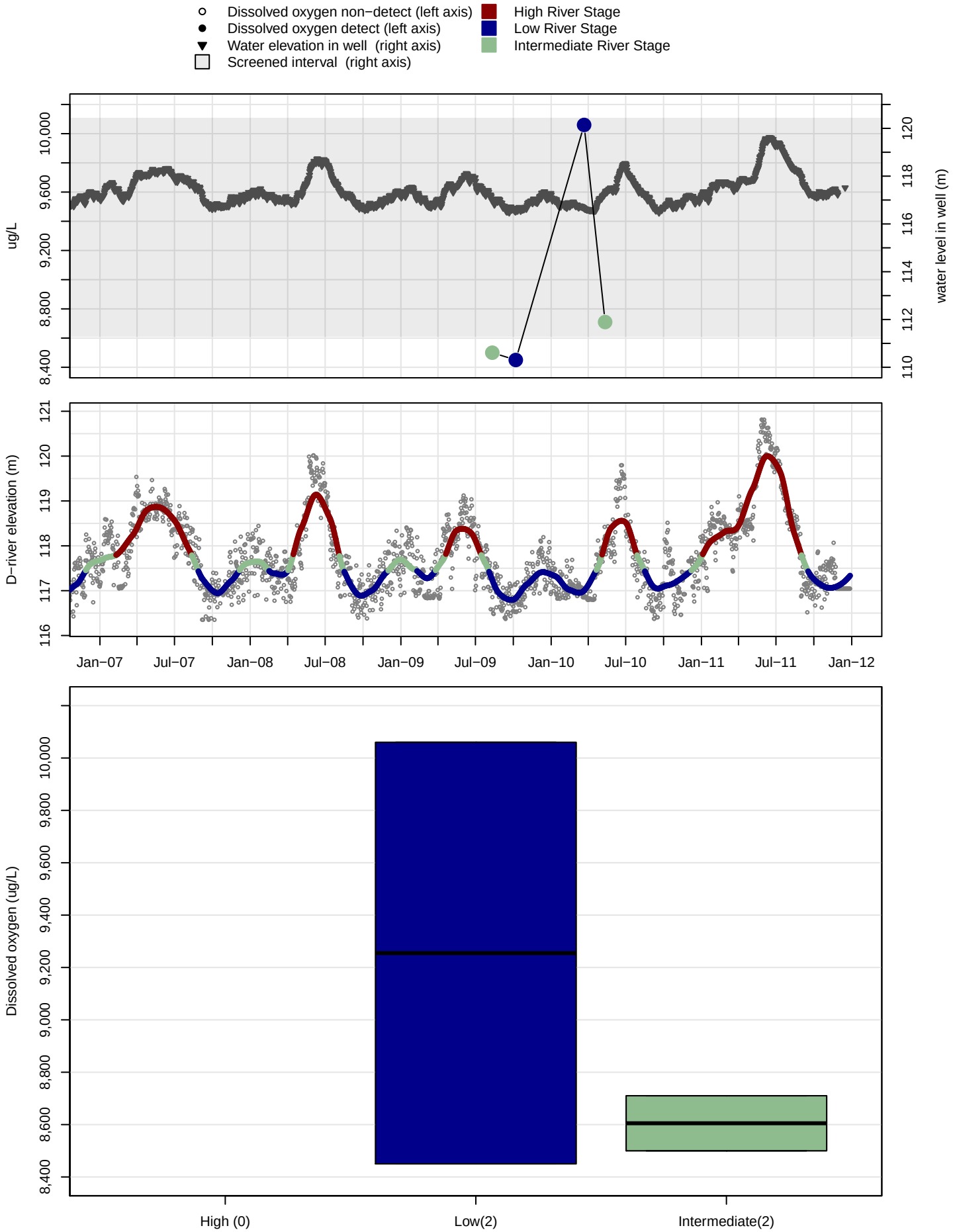
Mann Whitney p = NA t−test p = NA

199−D8−55* (85m) Lag (12 Days)



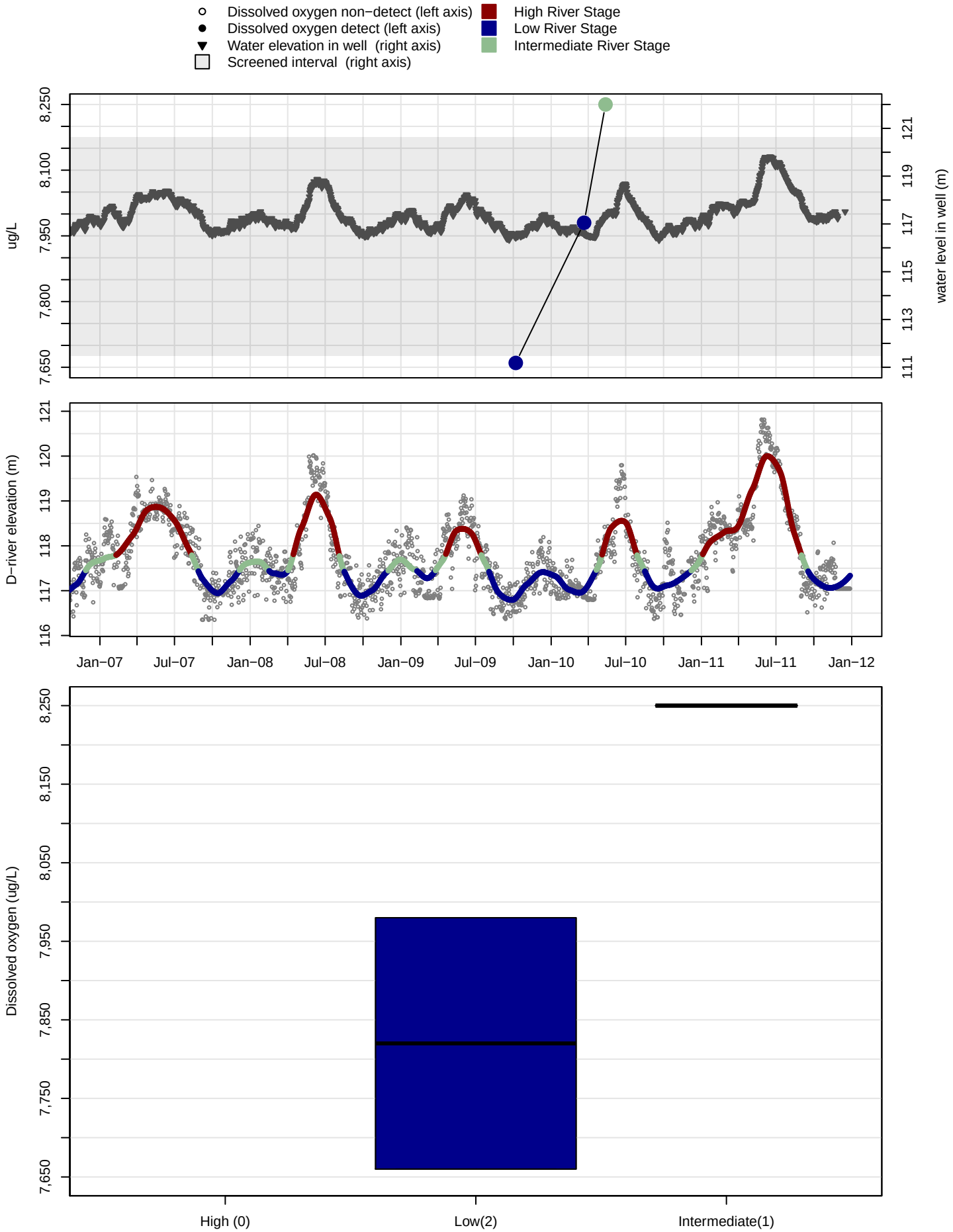
Mann Whitney p = NA t−test p = NA

199−D8−70 (179m) Lag (12 Days)



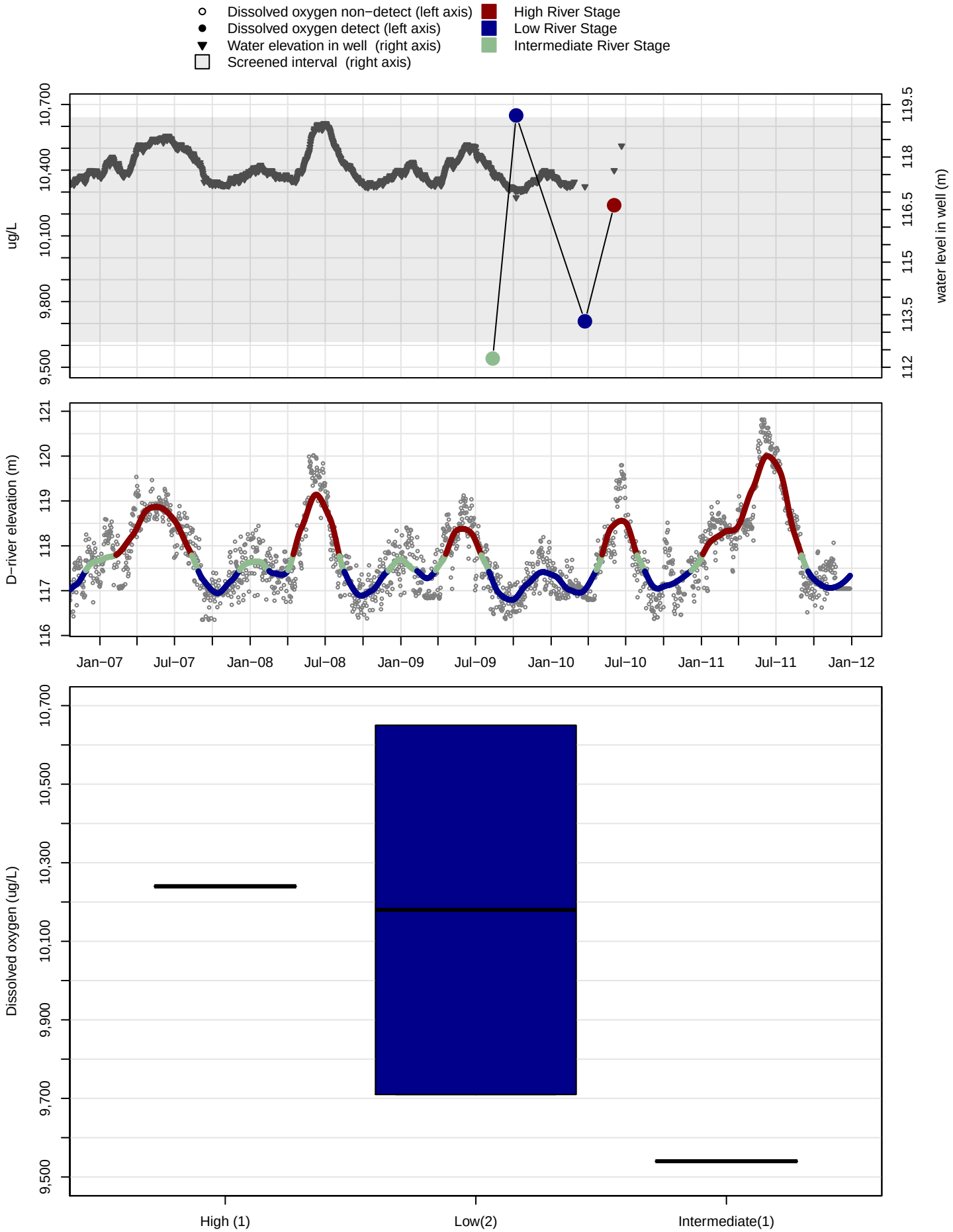
Mann Whitney p = NA t−test p = NA

199−D8−71 (173m) Lag (11 Days)



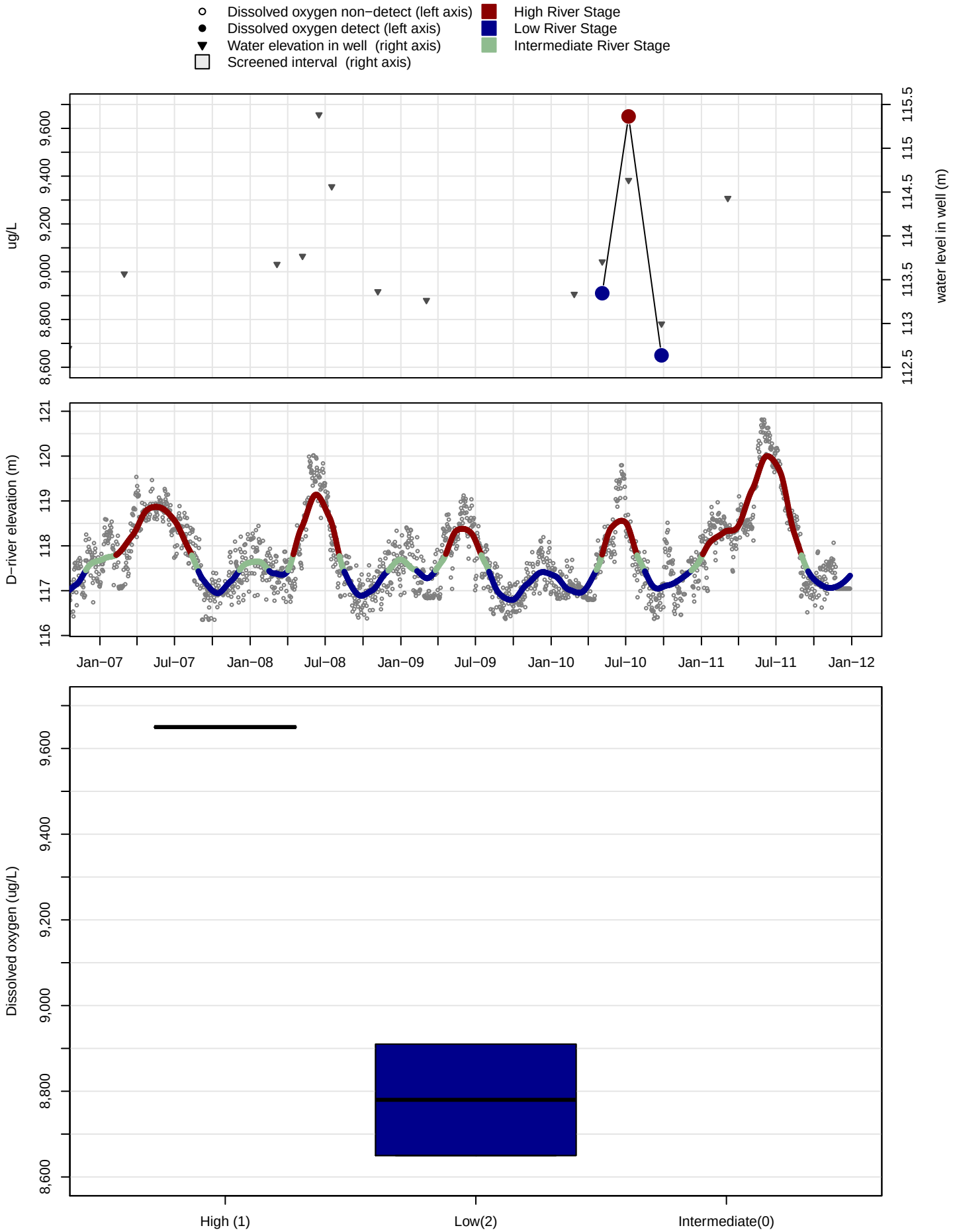
Mann Whitney p = NA t−test p = NA

199−D8−88* (95m) Lag (18 Days)



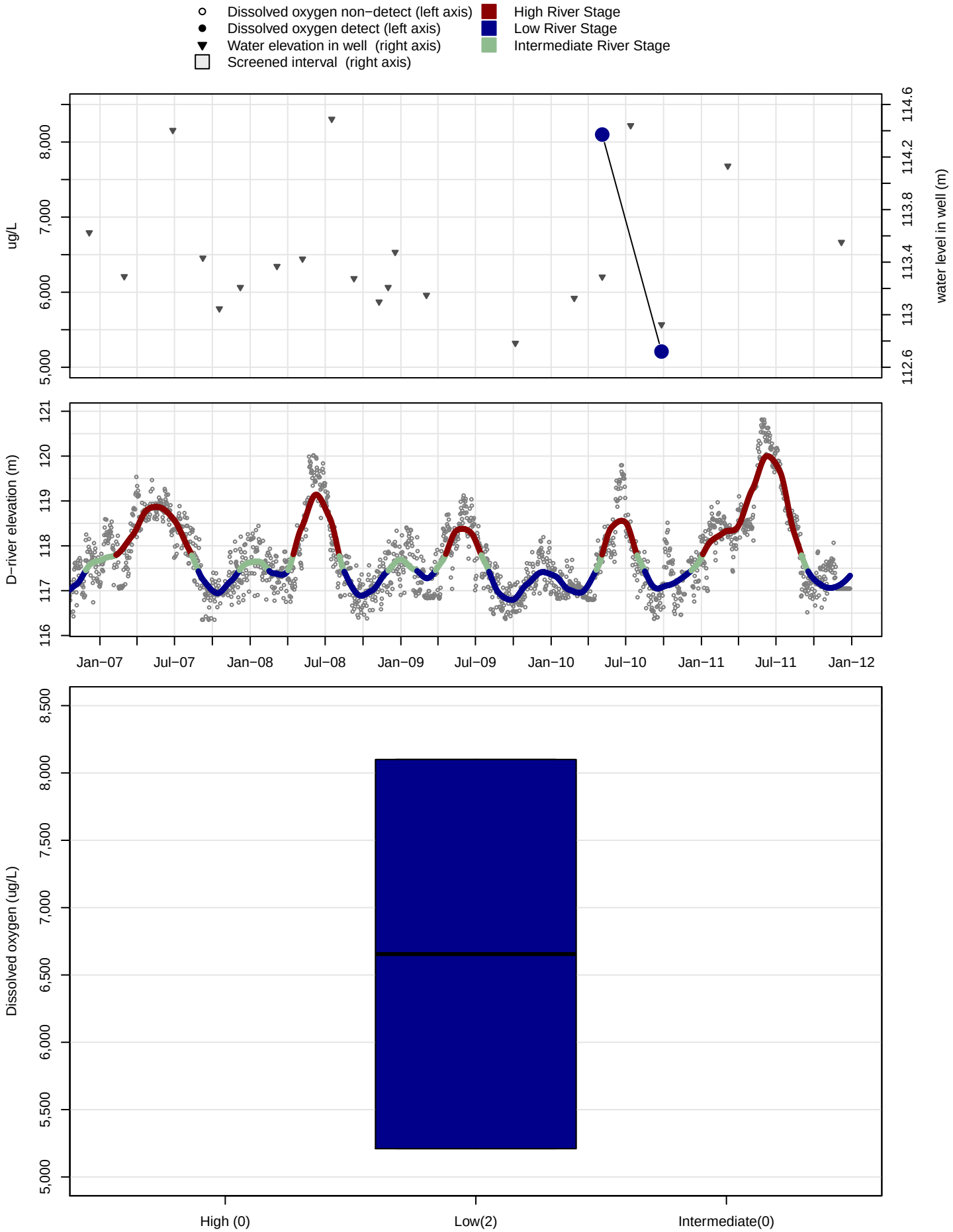
Mann Whitney p = NA t−test p = NA

199−F1−2 (89m) Lag (14 Days)



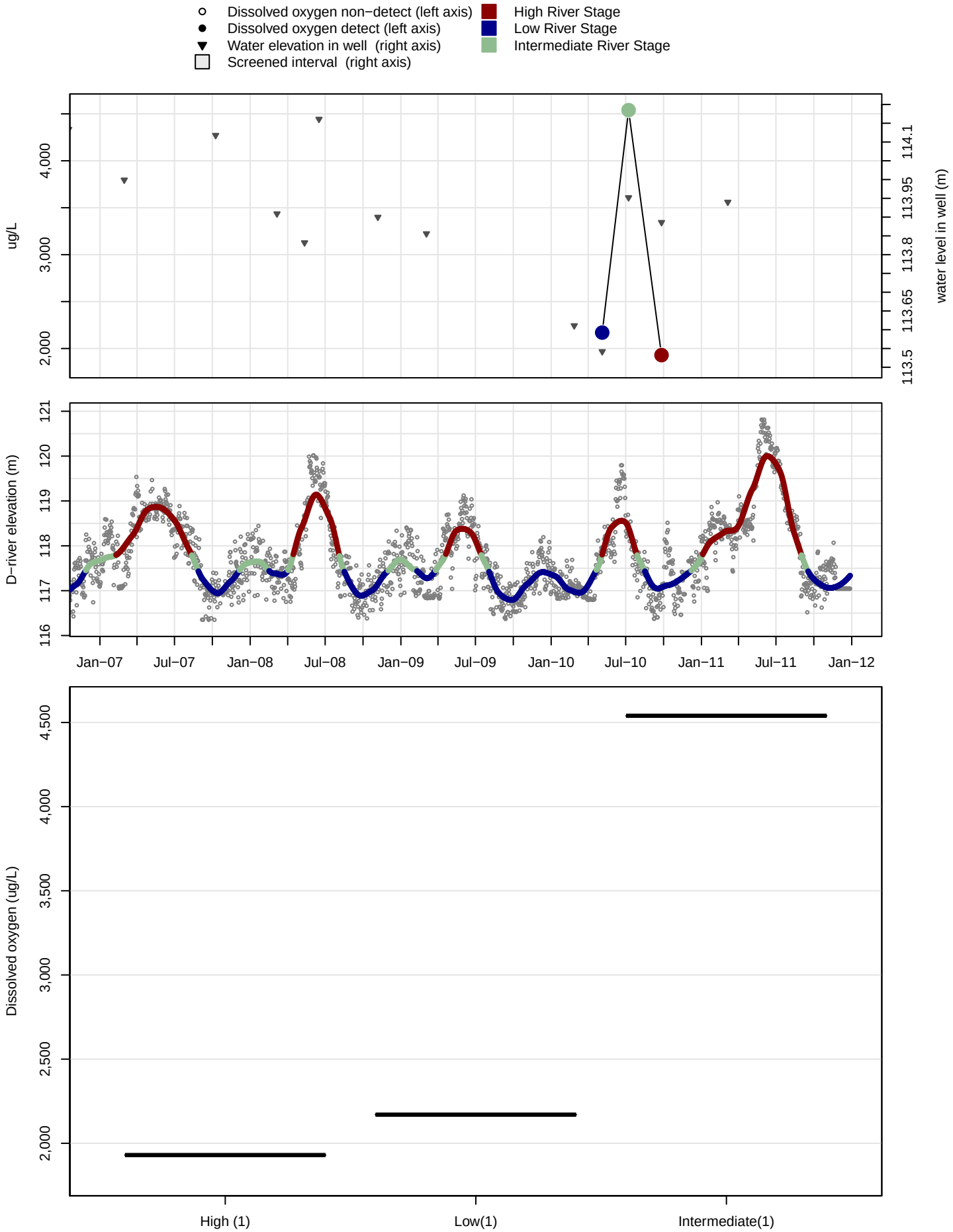
Mann Whitney p = NA t−test p = NA

199−F5−1 (106m) Lag (20 Days)



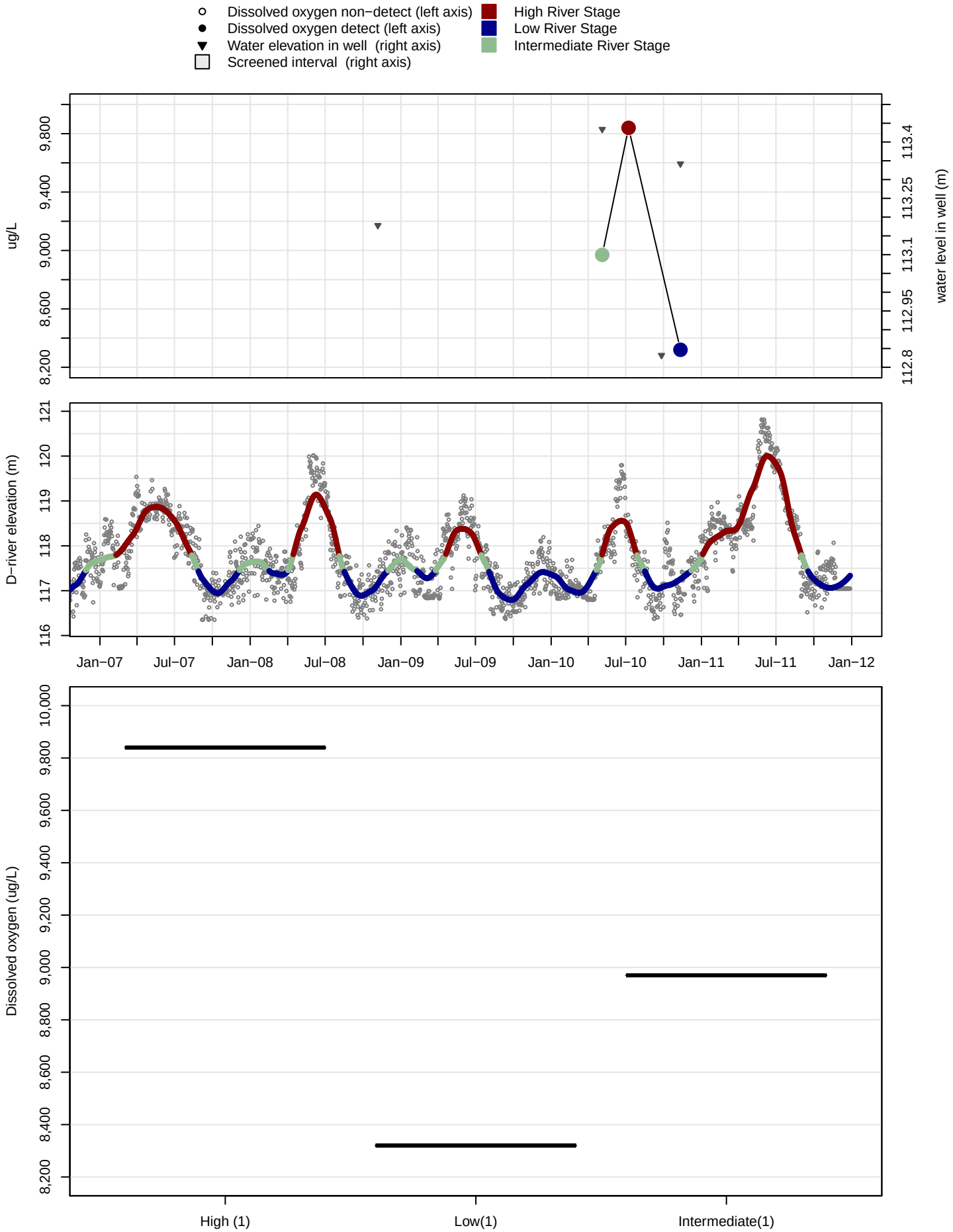
Mann Whitney p = NA t−test p = NA

199−F5−4 (722m) Lag (64 Days)



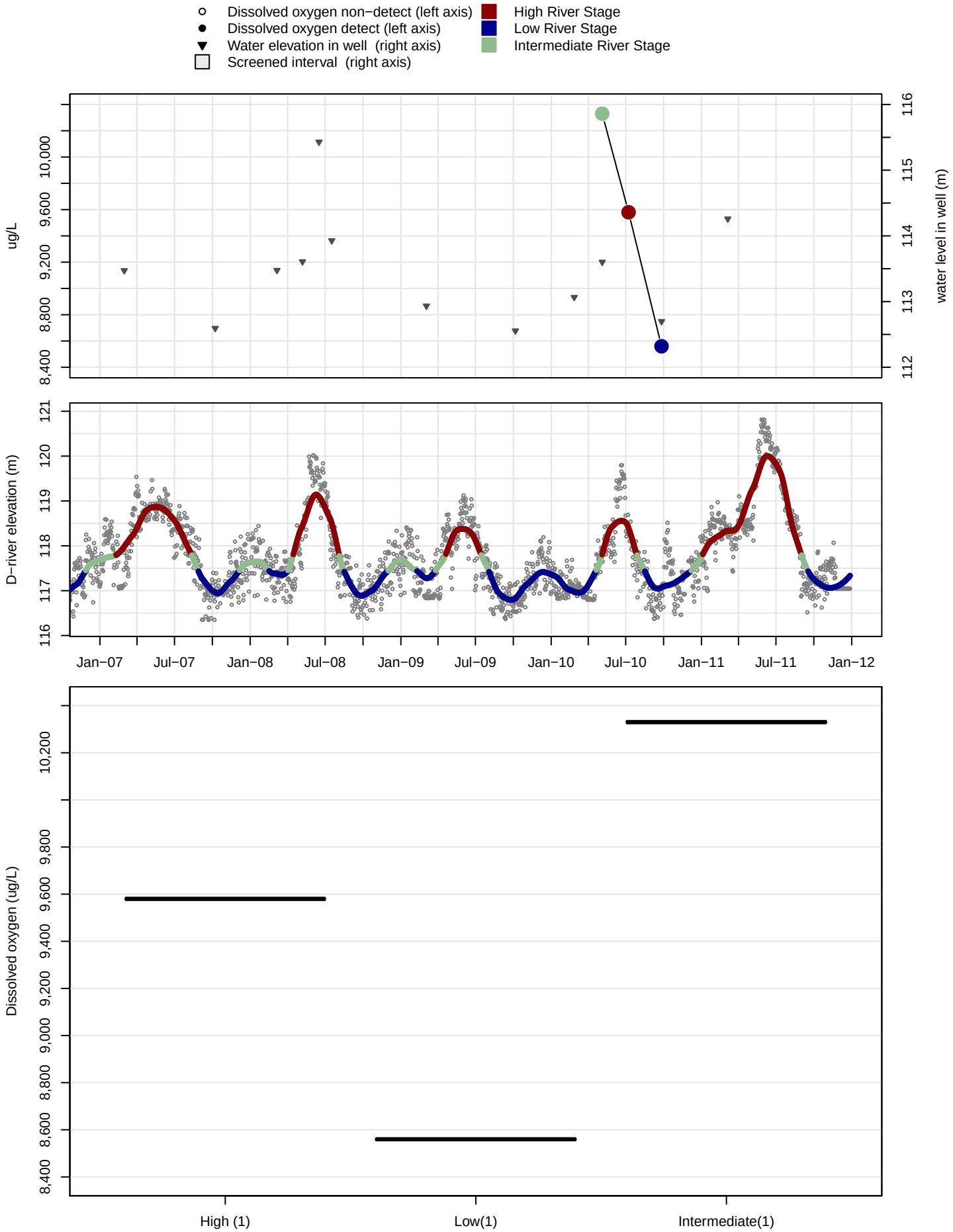
Mann Whitney p = NA t−test p = NA

199−F5−42 (23m) Lag (Indeterminate)



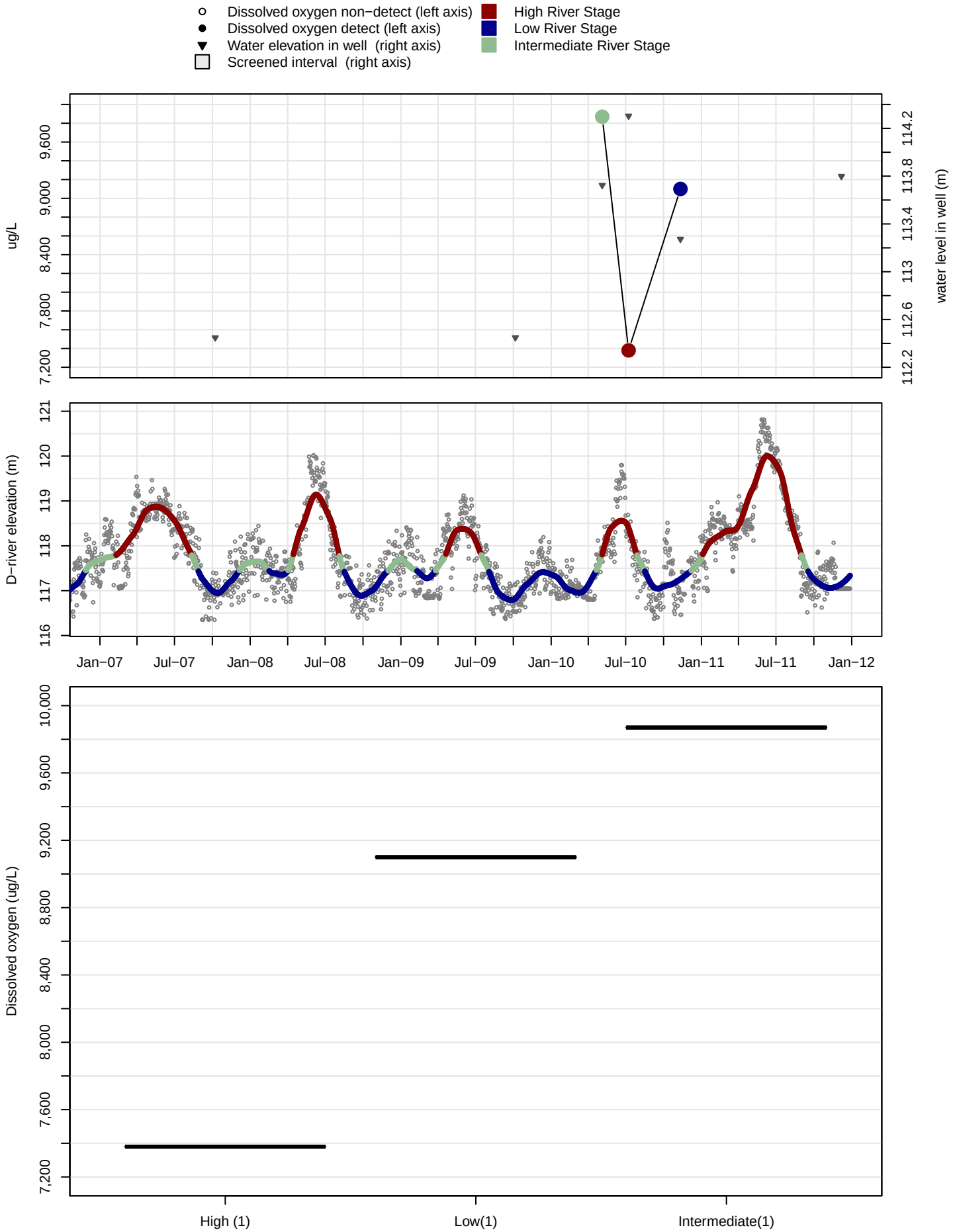
Mann Whitney p = NA t−test p = NA

199−F5−43A (28m) Lag (10 Days)



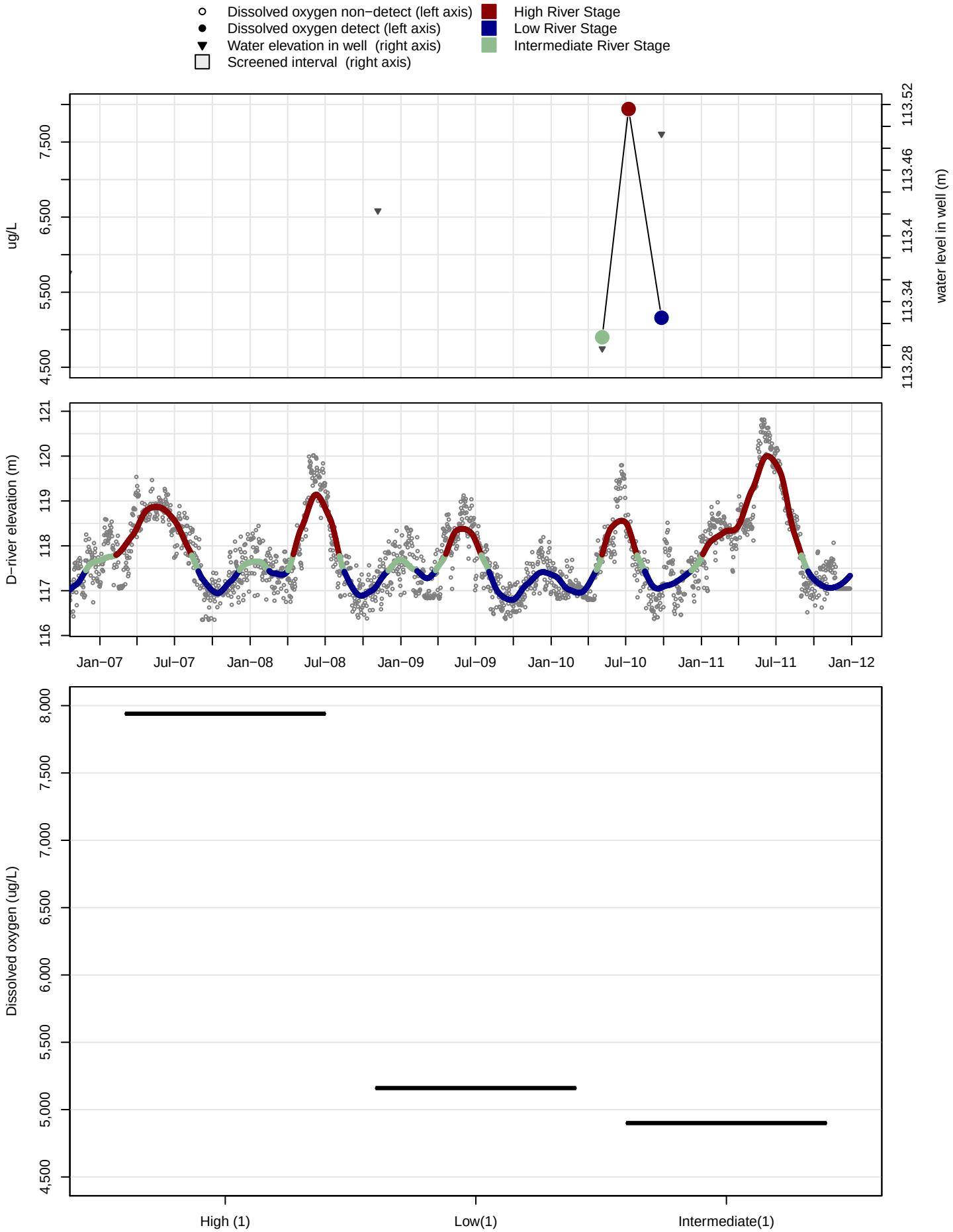
Mann Whitney p = NA t−test p = NA

199−F5−44 (31m) Lag (Indeterminate)



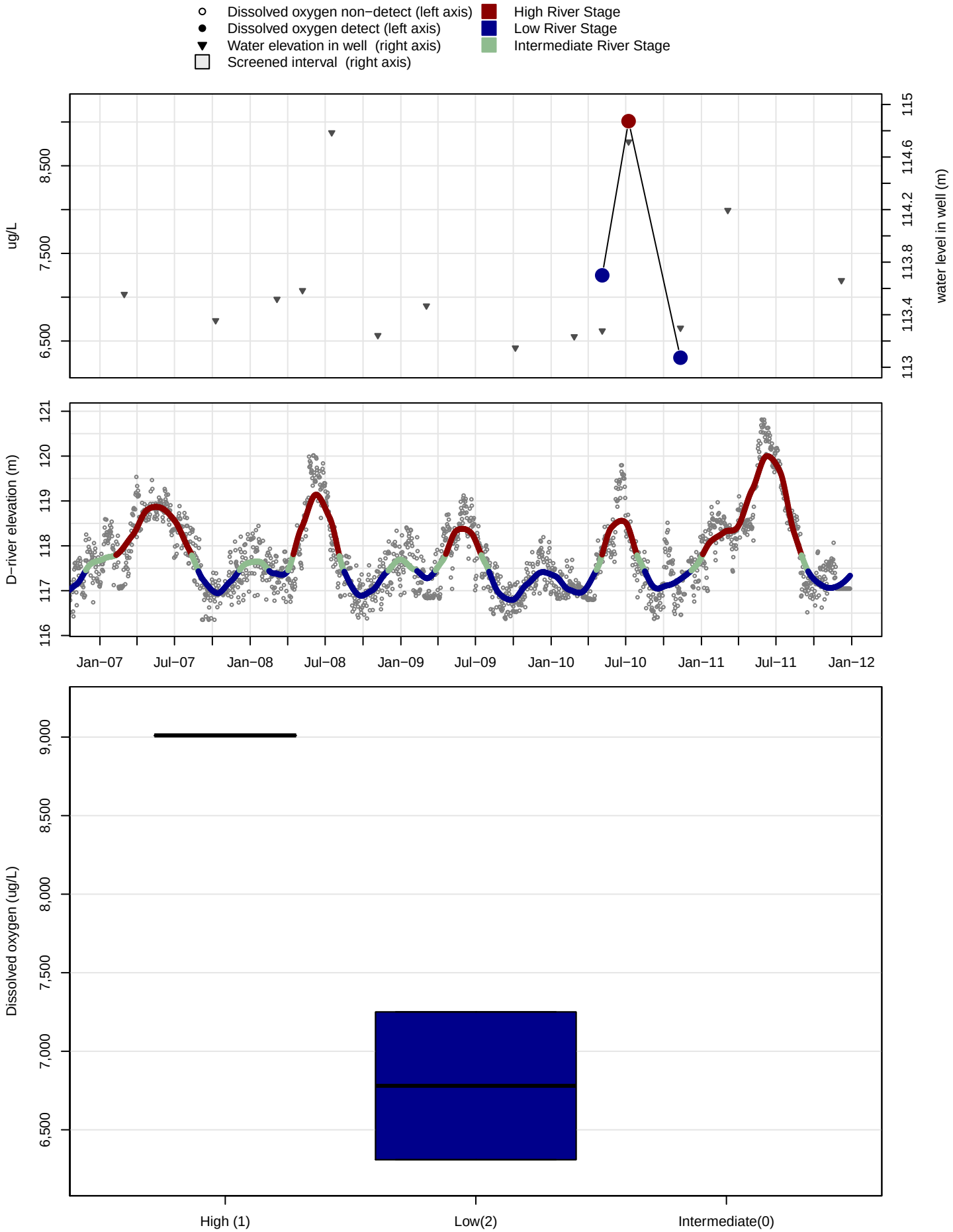
Mann Whitney p = NA t−test p = NA

199−F5−45 (530m) Lag (Indeterminate)



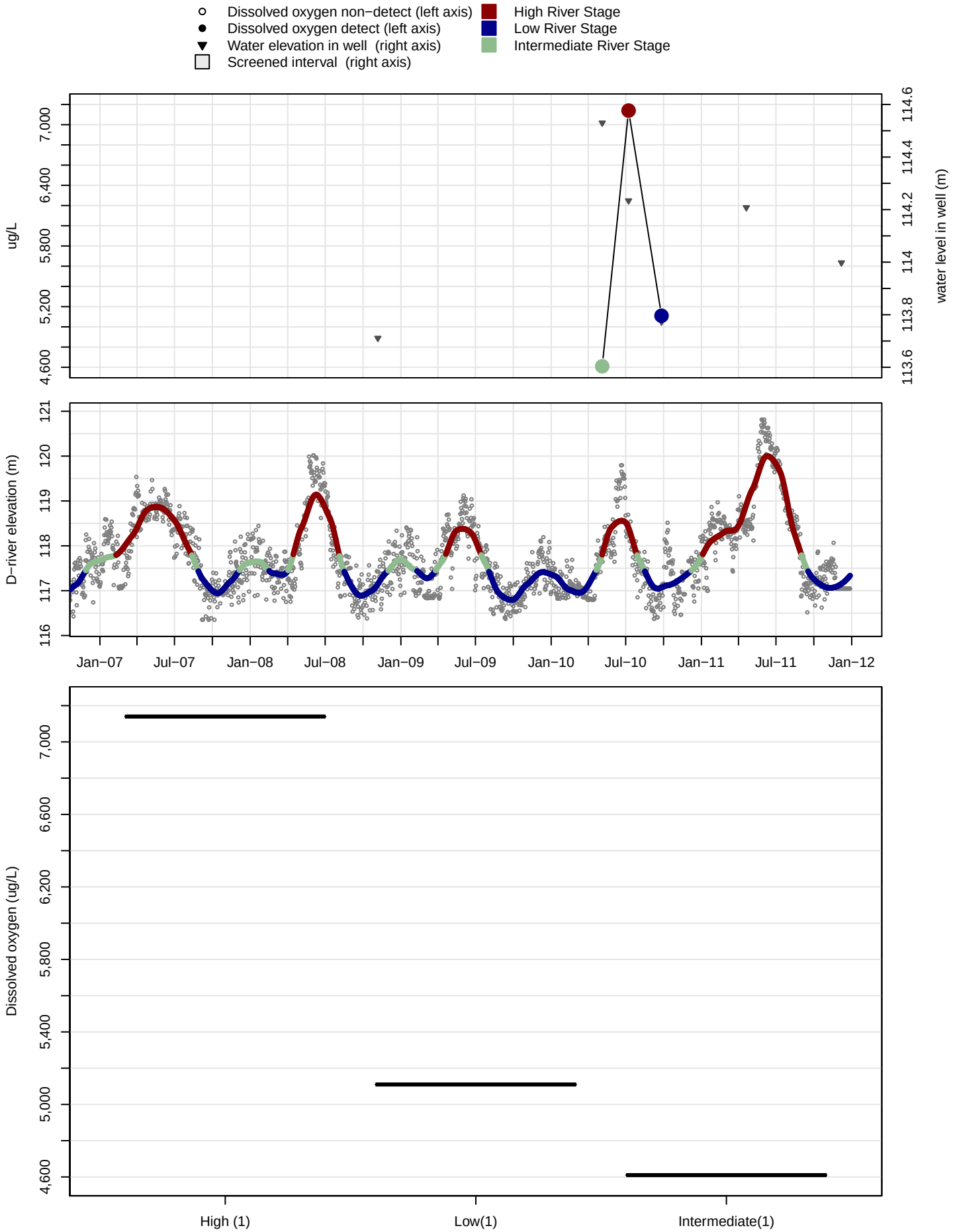
Mann Whitney p = NA t−test p = NA

199−F5−46 (371m) Lag (30 Days)



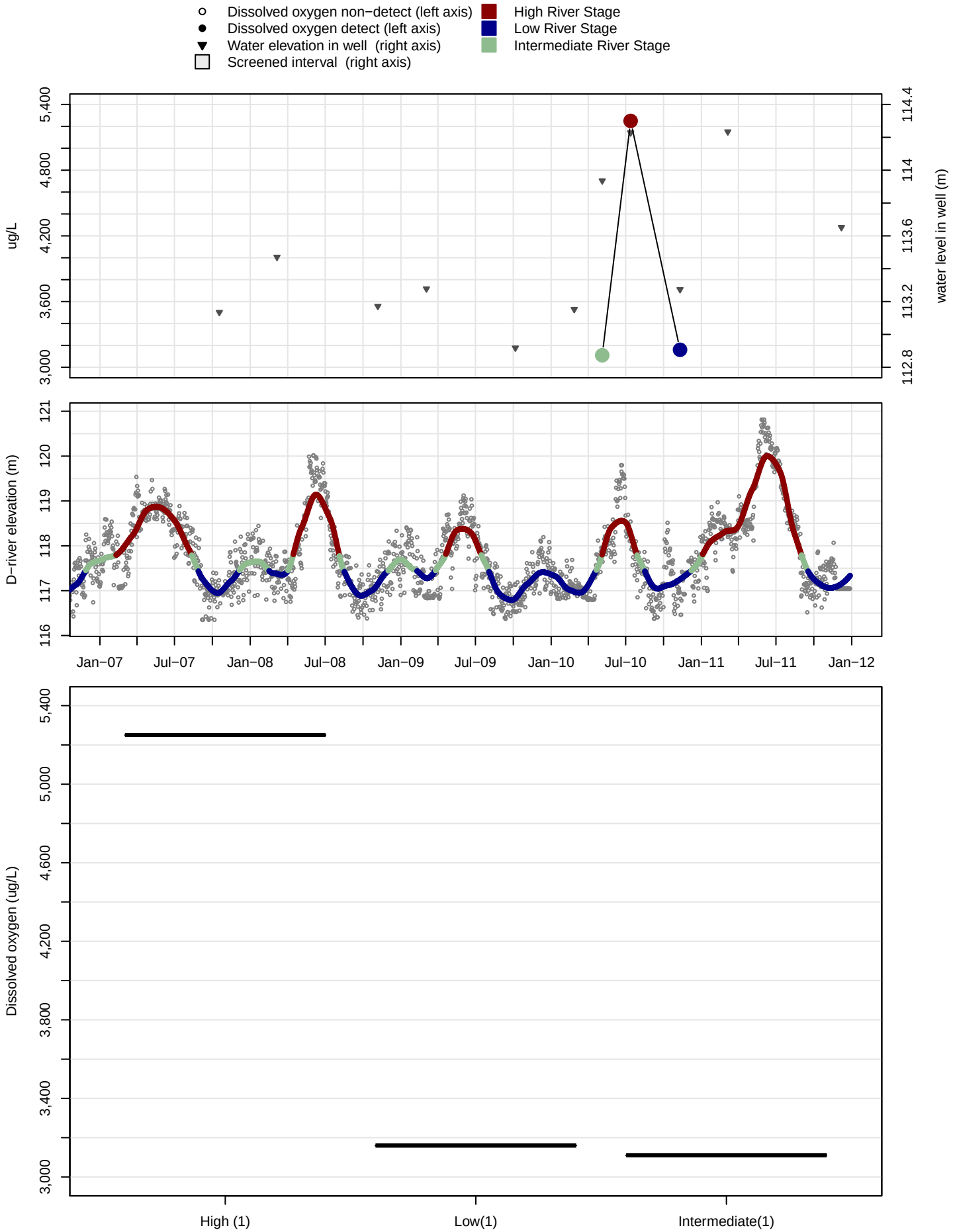
Mann Whitney p = NA t−test p = NA

199−F5−48 (637m) Lag (Indeterminate)



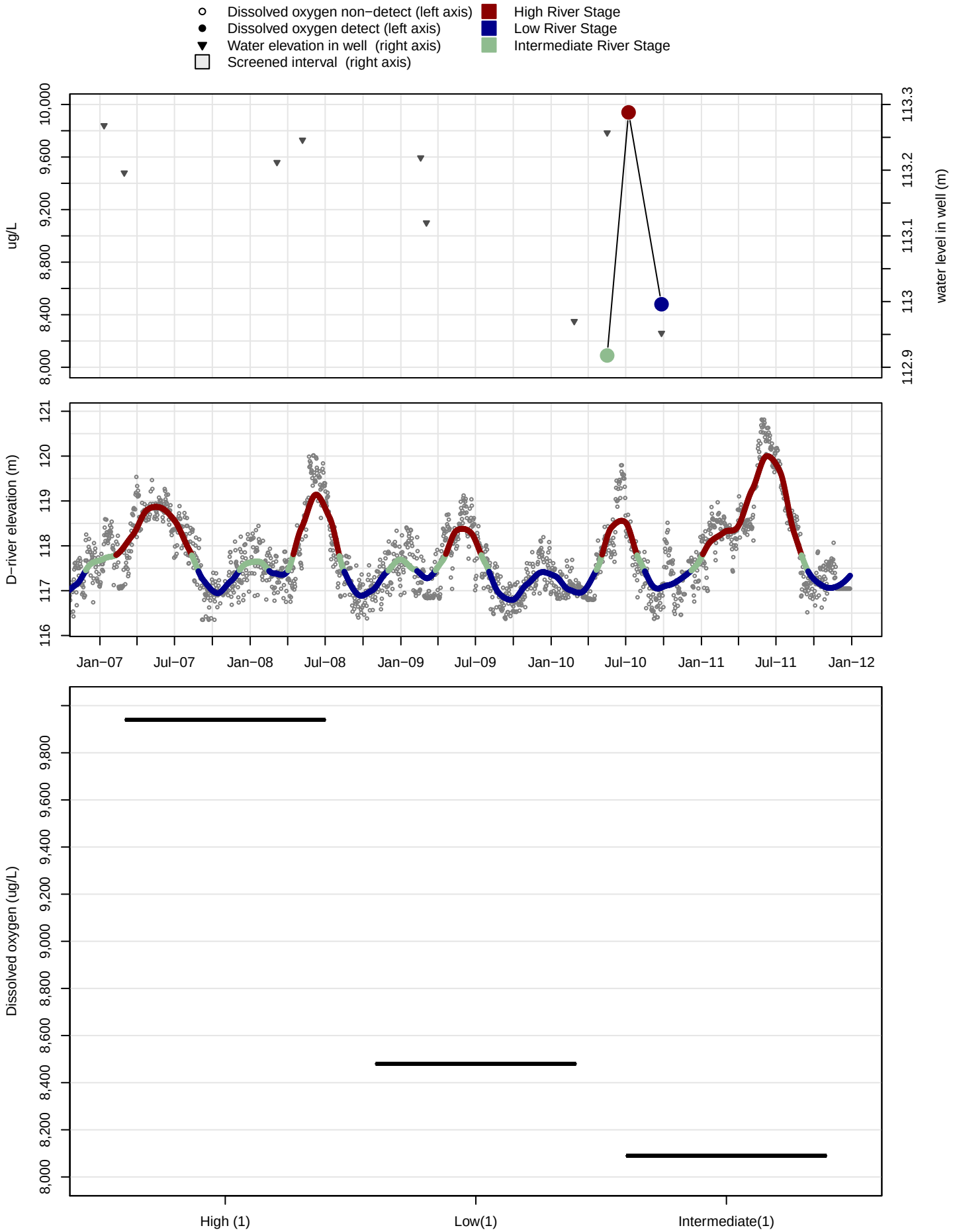
Mann Whitney p = NA t−test p = NA

199−F5−6 (123m) Lag (2 Days)



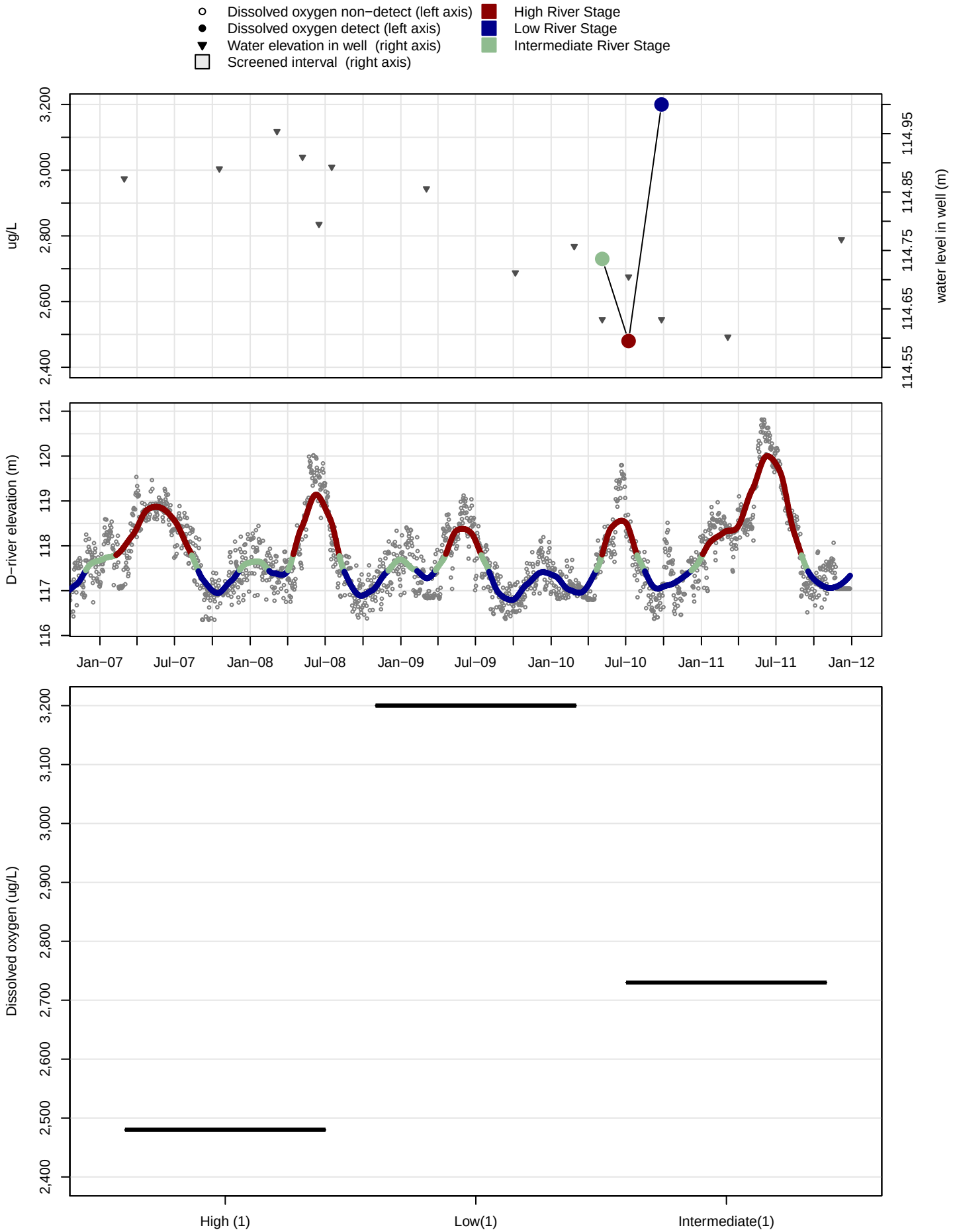
Mann Whitney p = NA t−test p = NA

199−F6−1 (51m) Lag (18 Days)



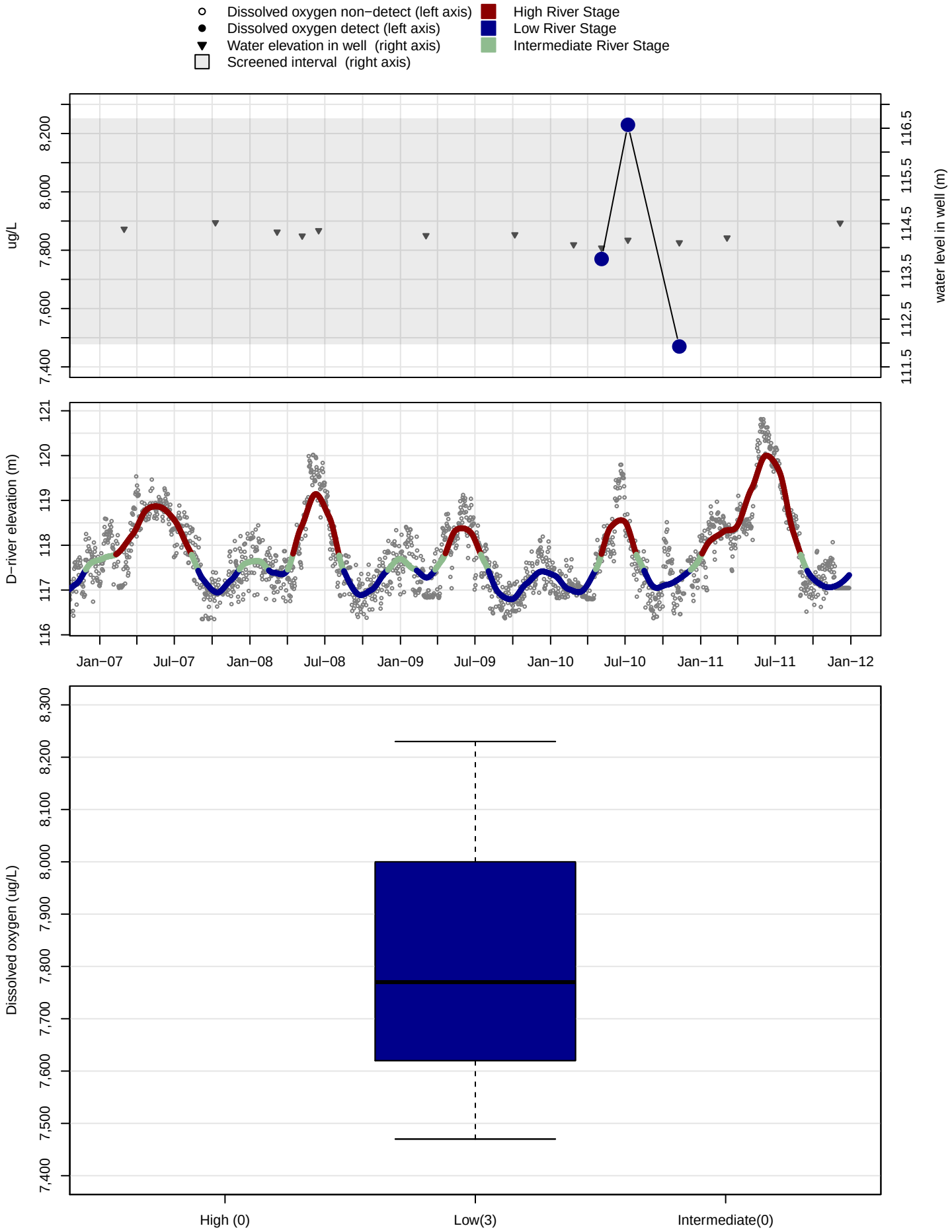
Mann Whitney p = NA t−test p = NA

199−F7−1 (1650m) Lag (64 Days)



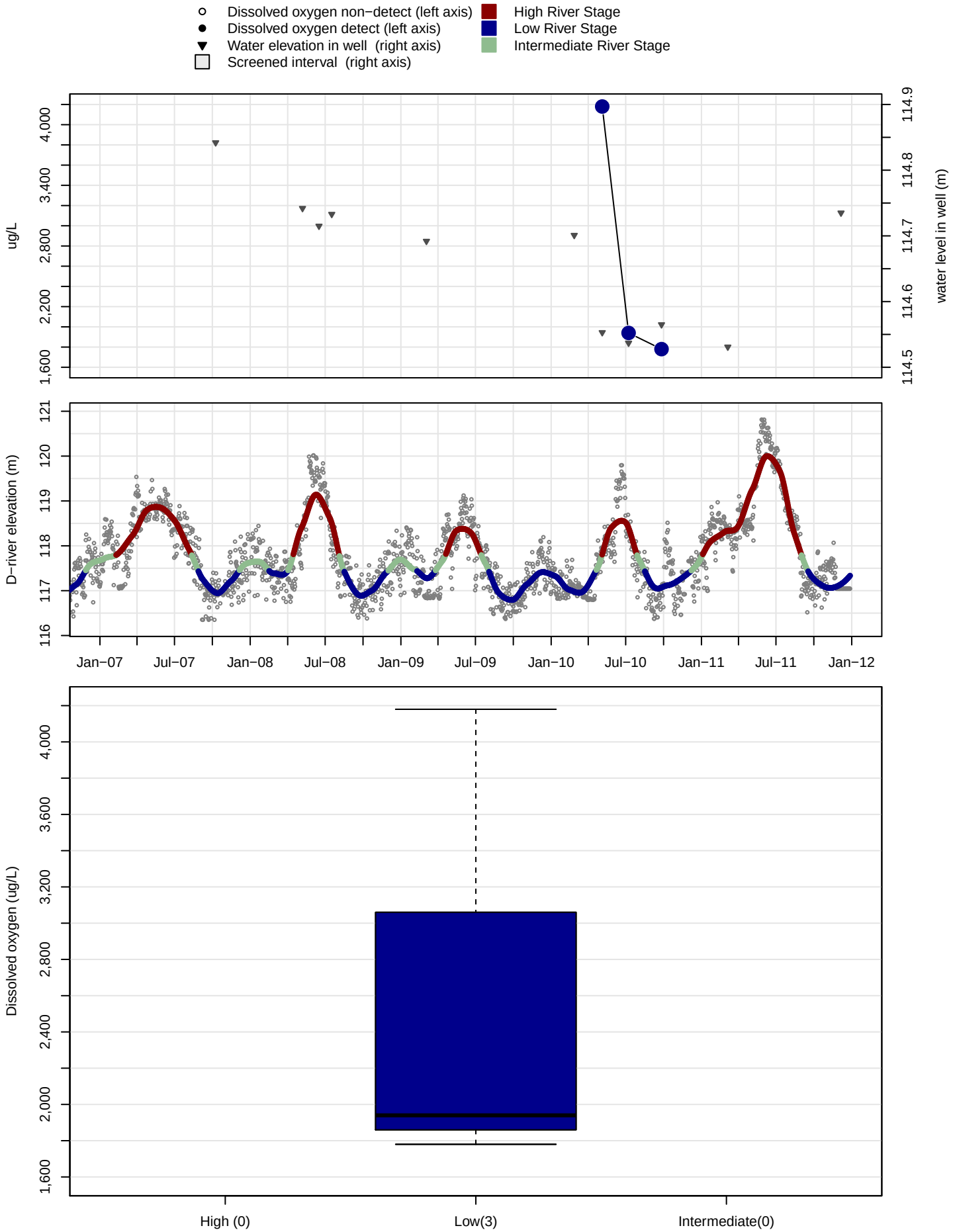
Mann Whitney p = NA t−test p = NA

199−F7−2 (829m) Lag (81 Days)



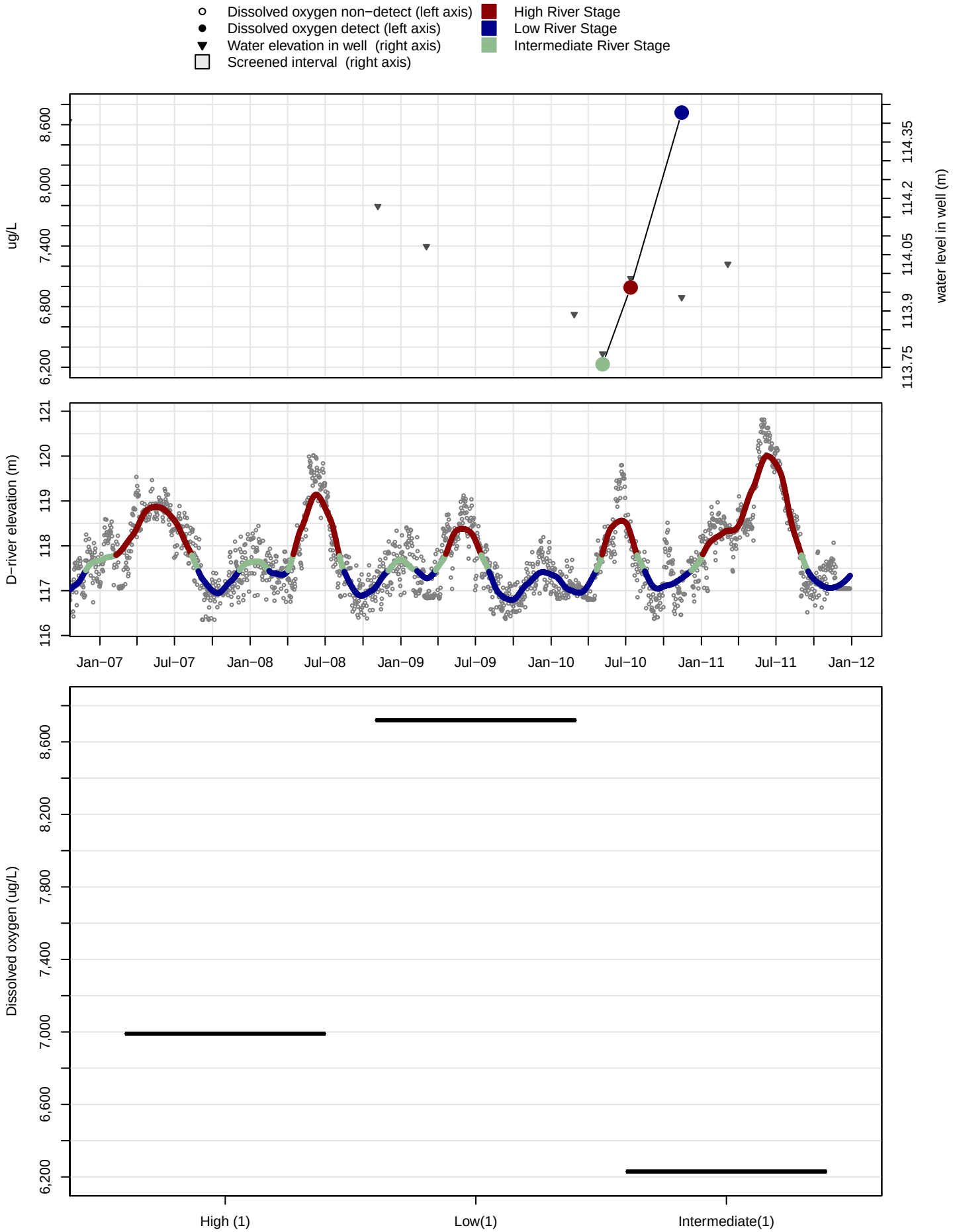
Mann Whitney p = NA t−test p = NA

199−F7−3 (1468m) Lag (171 Days)



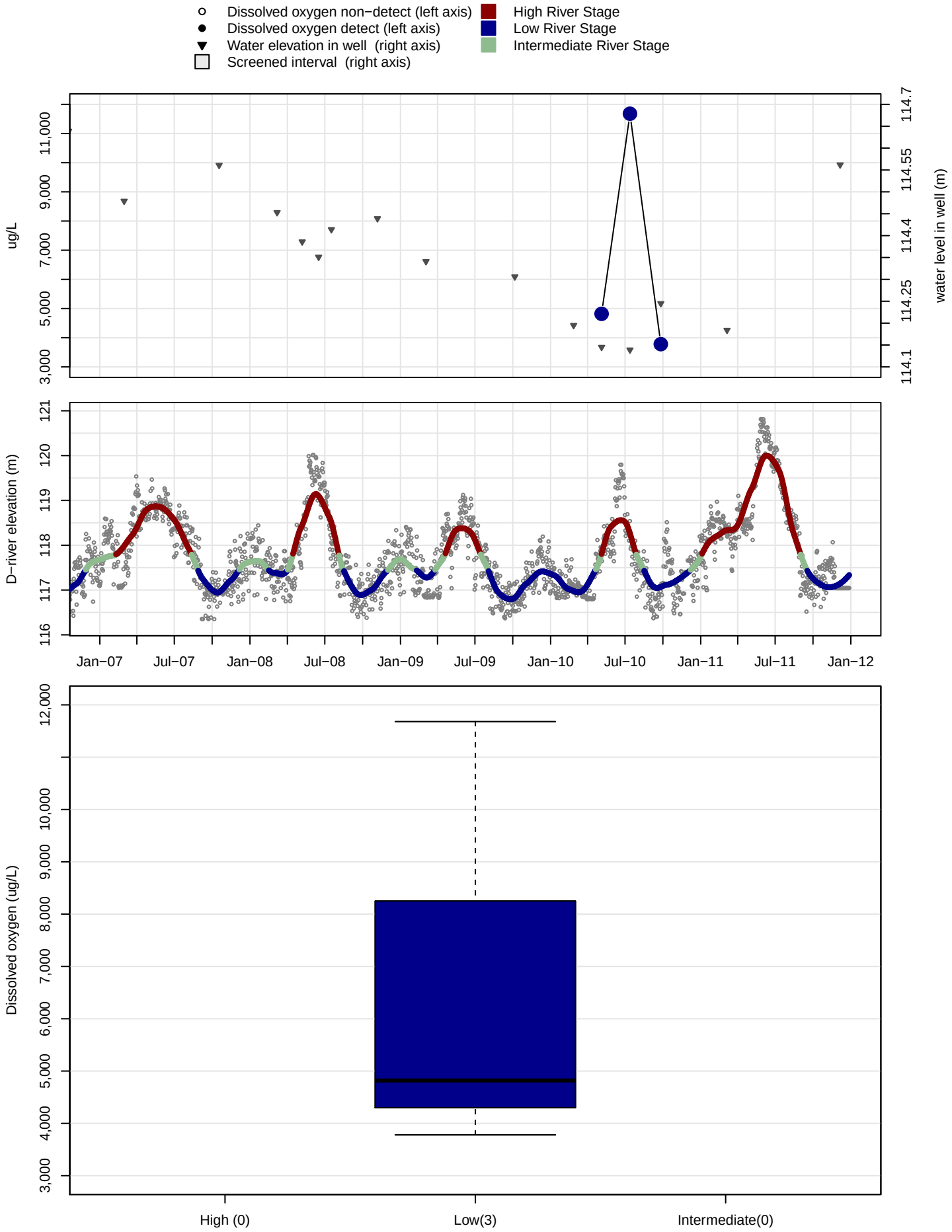
Mann Whitney p = NA t−test p = NA

199−F8−2 (899m) Lag (Indeterminate)



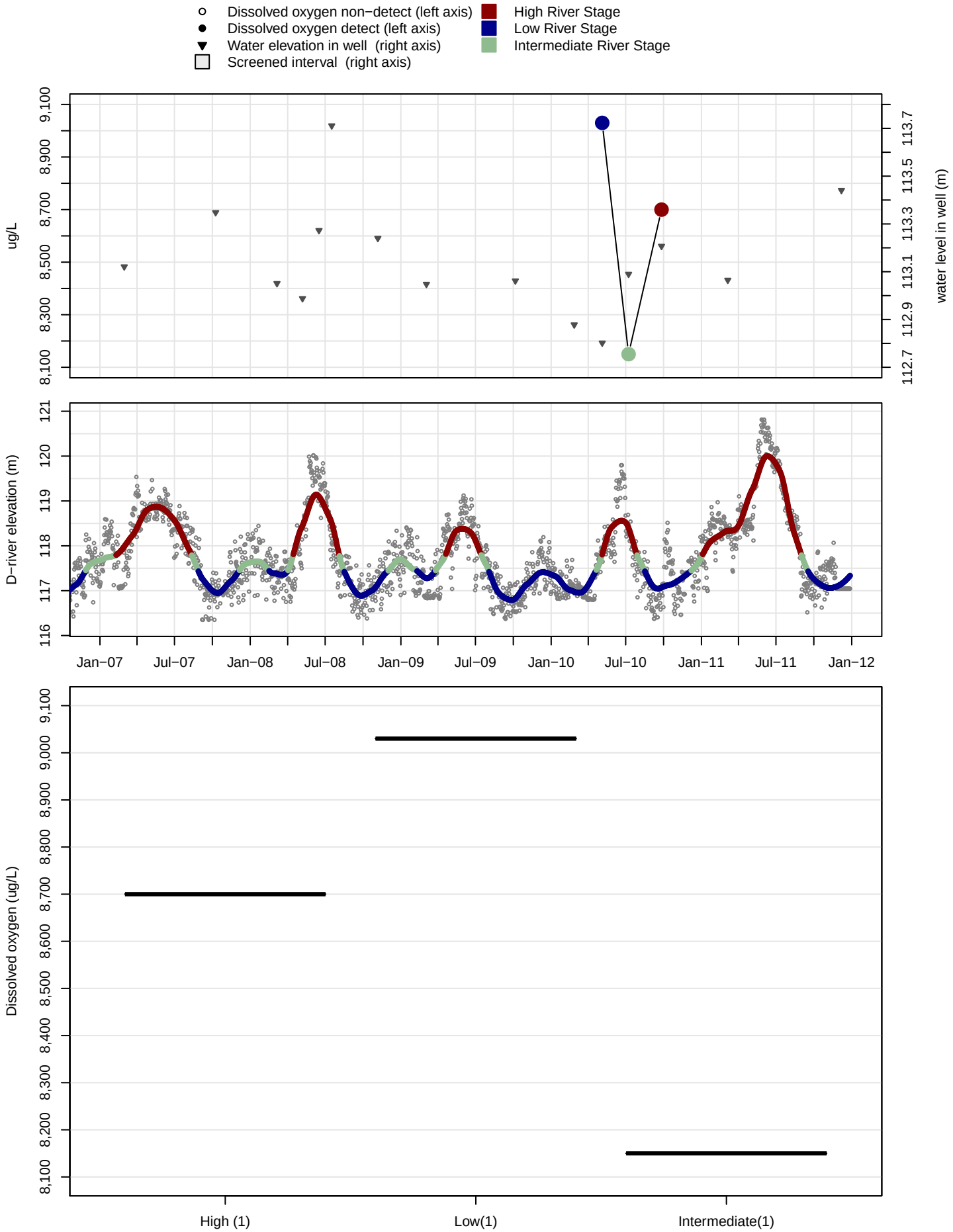
Mann Whitney p = NA t−test p = NA

199−F8−3 (1141m) Lag (179 Days)



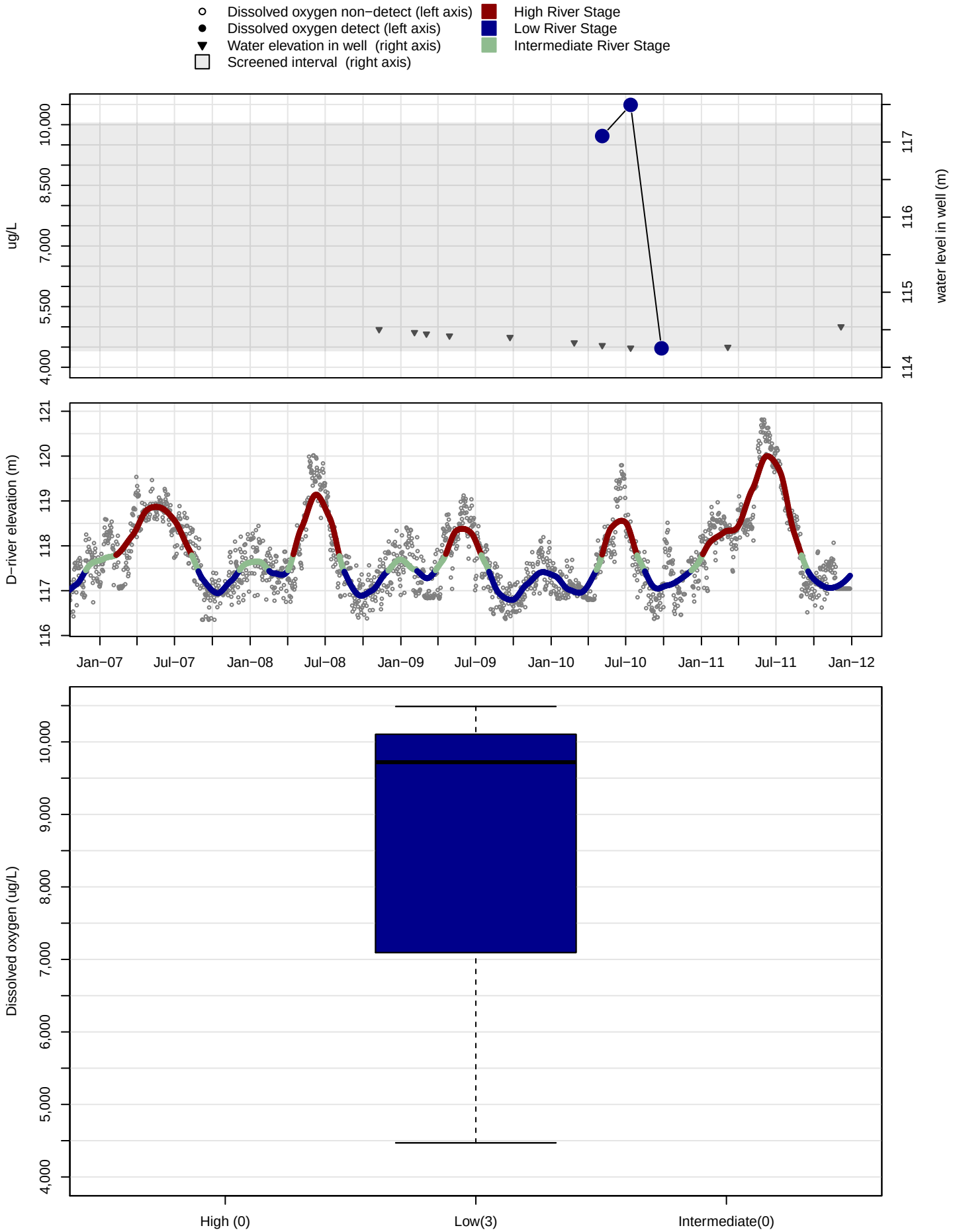
Mann Whitney p = NA t−test p = NA

199−F8−4 (610m) Lag (72 Days)



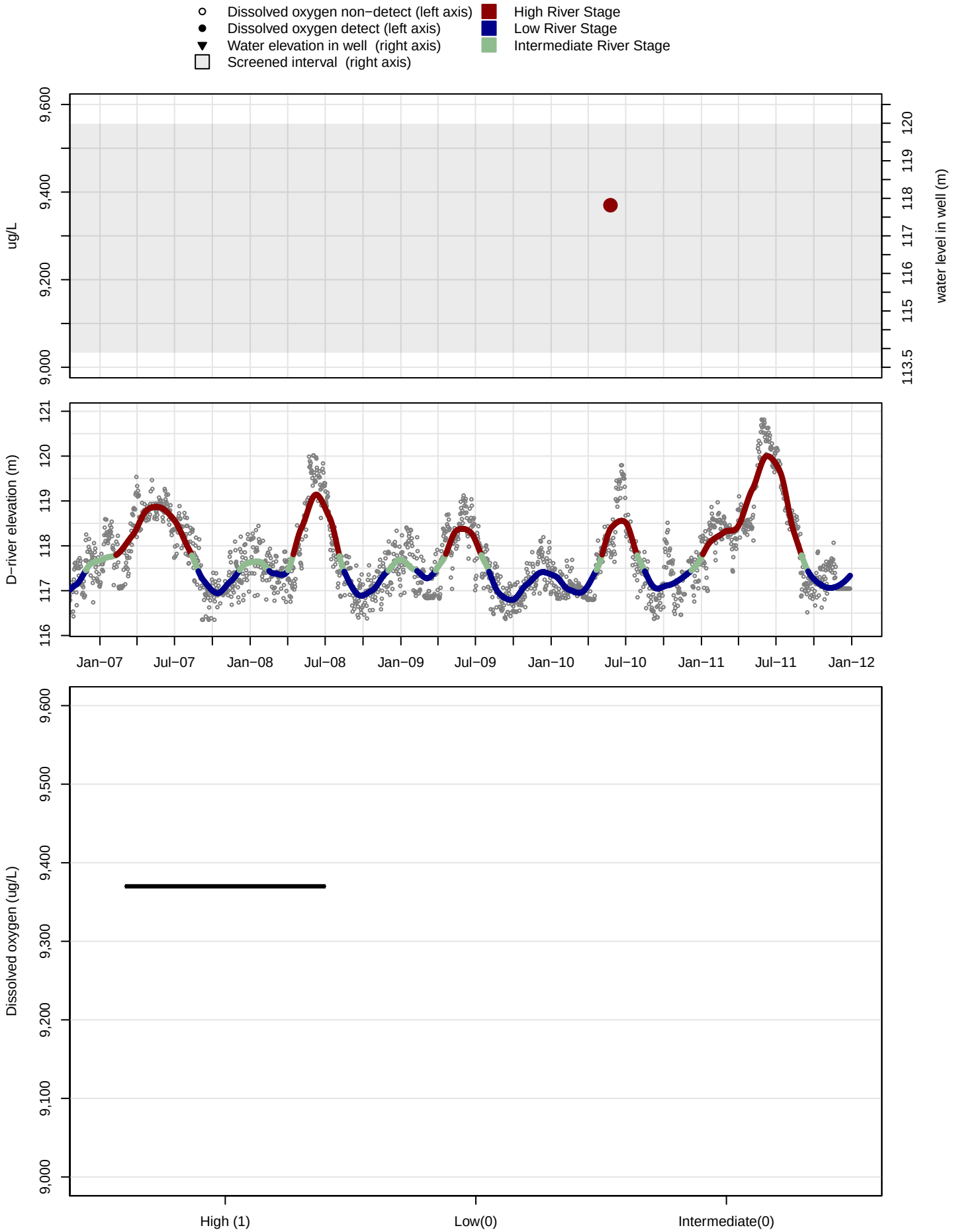
Mann Whitney p = NA t−test p = NA

199−F8−7 (1258m) Lag (180 Days)



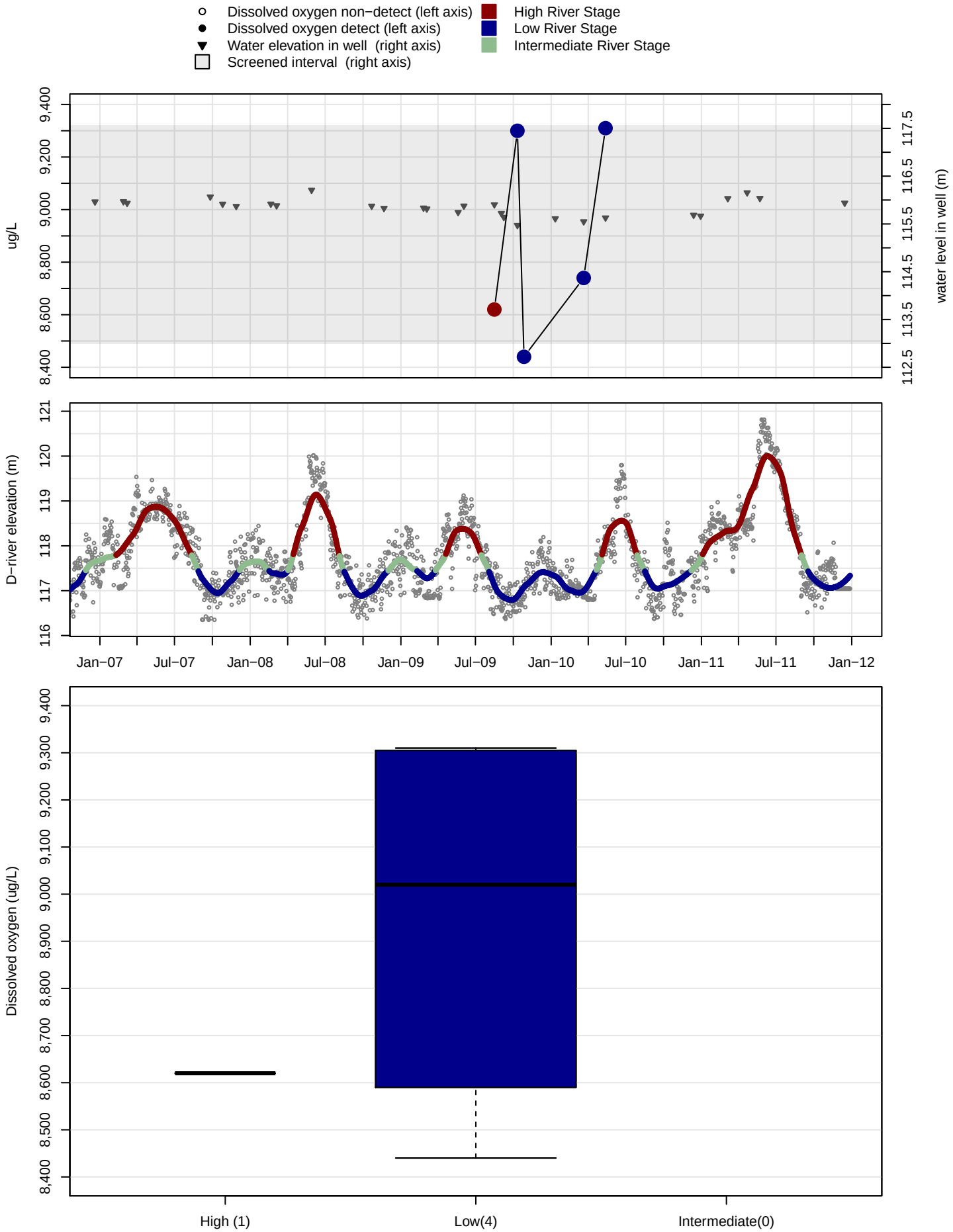
Mann Whitney p = NA t−test p = NA

199−H1−27* (162m) Lag (Indeterminate)



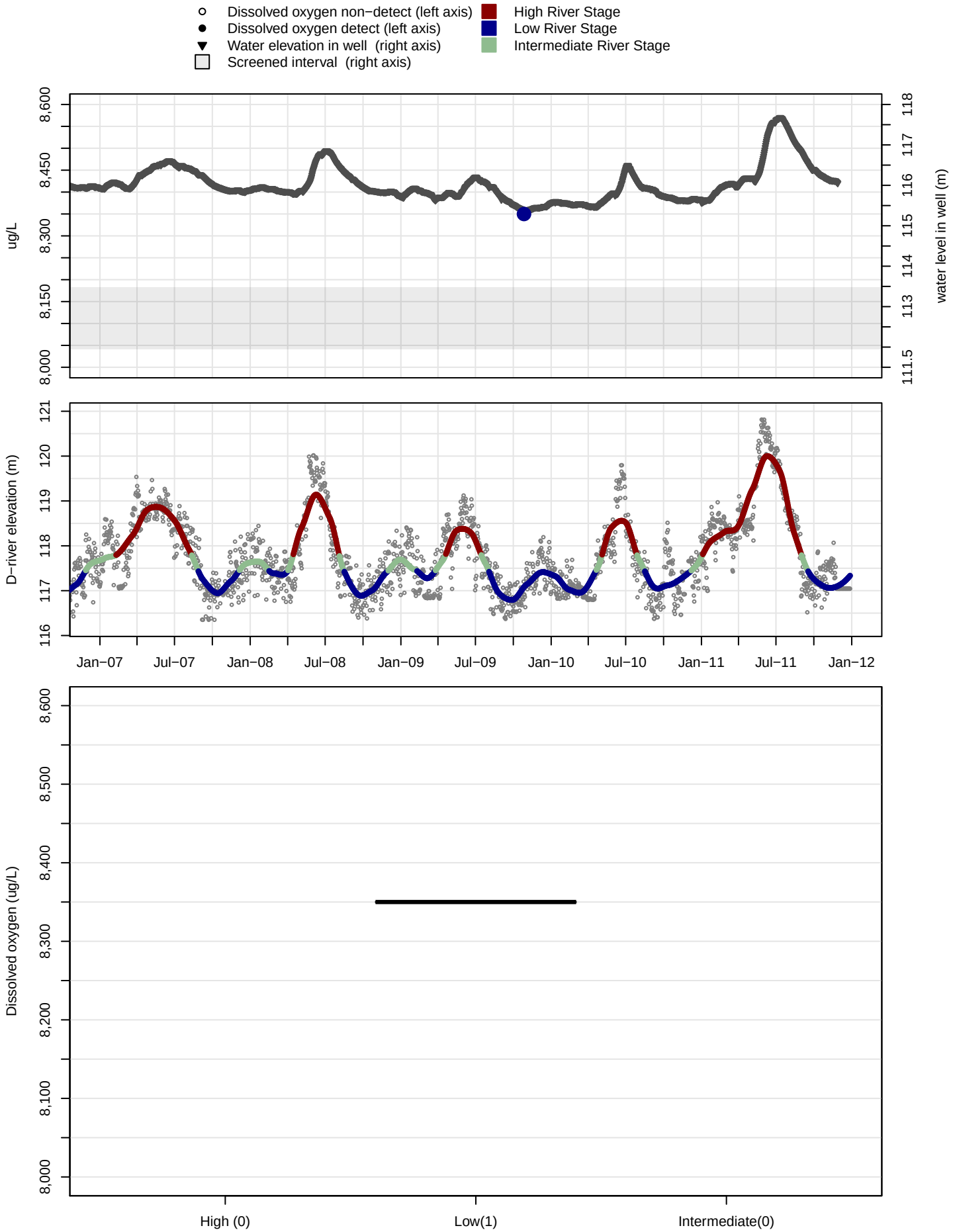
Mann Whitney p = NA t−test p = NA

199−H3−2A* (482m) Lag (40 Days)



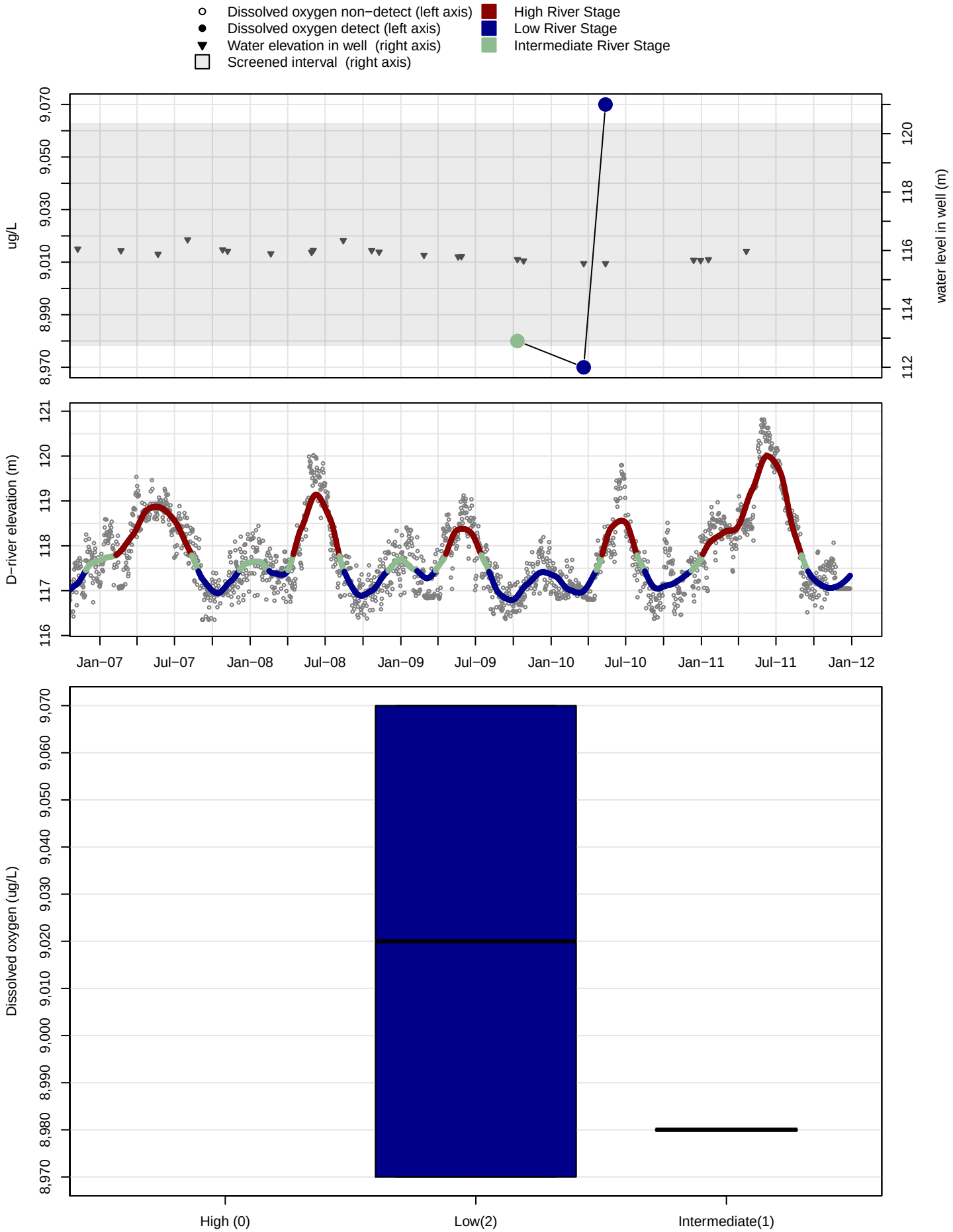
Mann Whitney p = NA t−test p = NA

199−H3−2B (474m) Lag (37 Days)



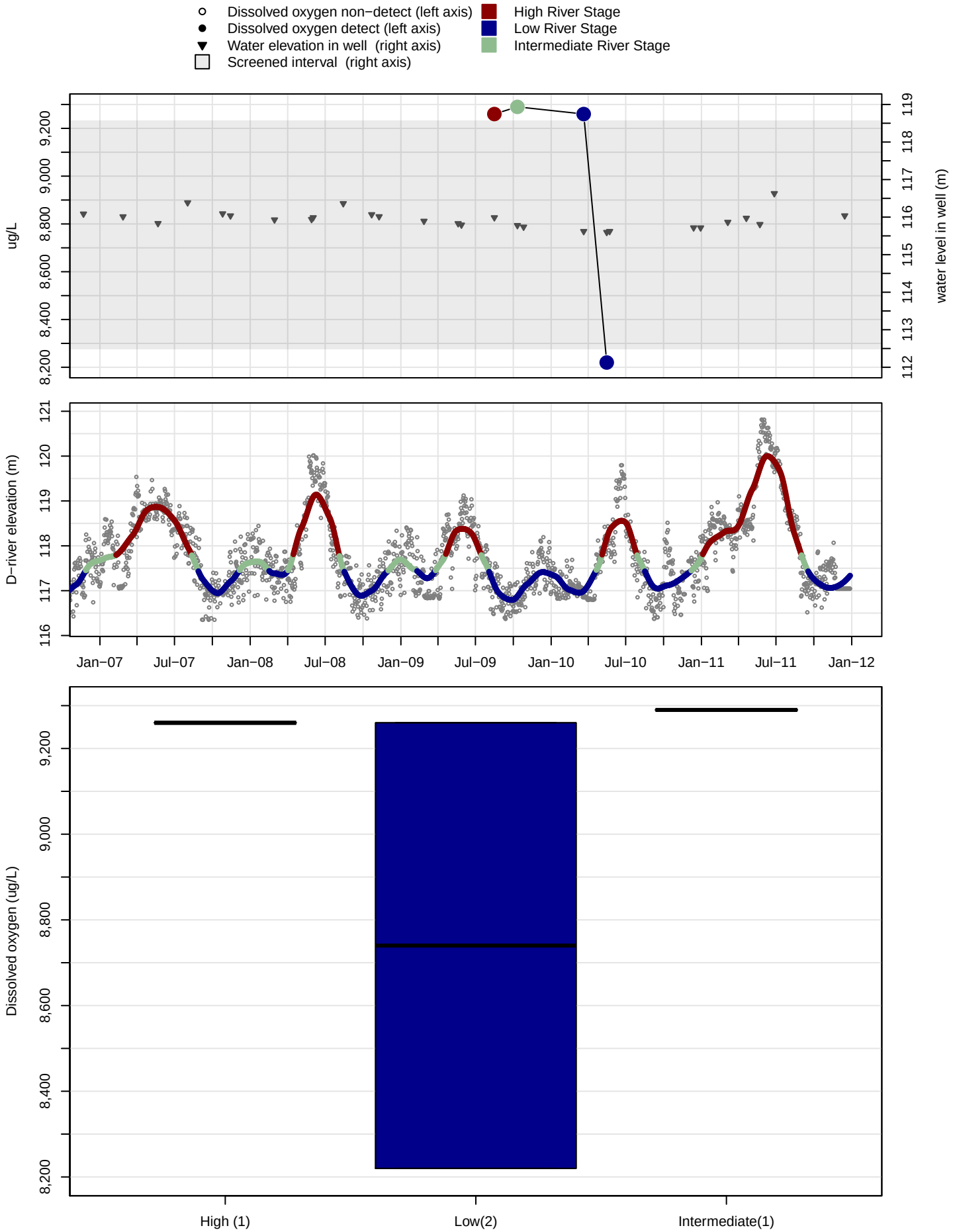
Mann Whitney p = NA t−test p = NA

199−H3−4* (792m) Lag (82 Days)



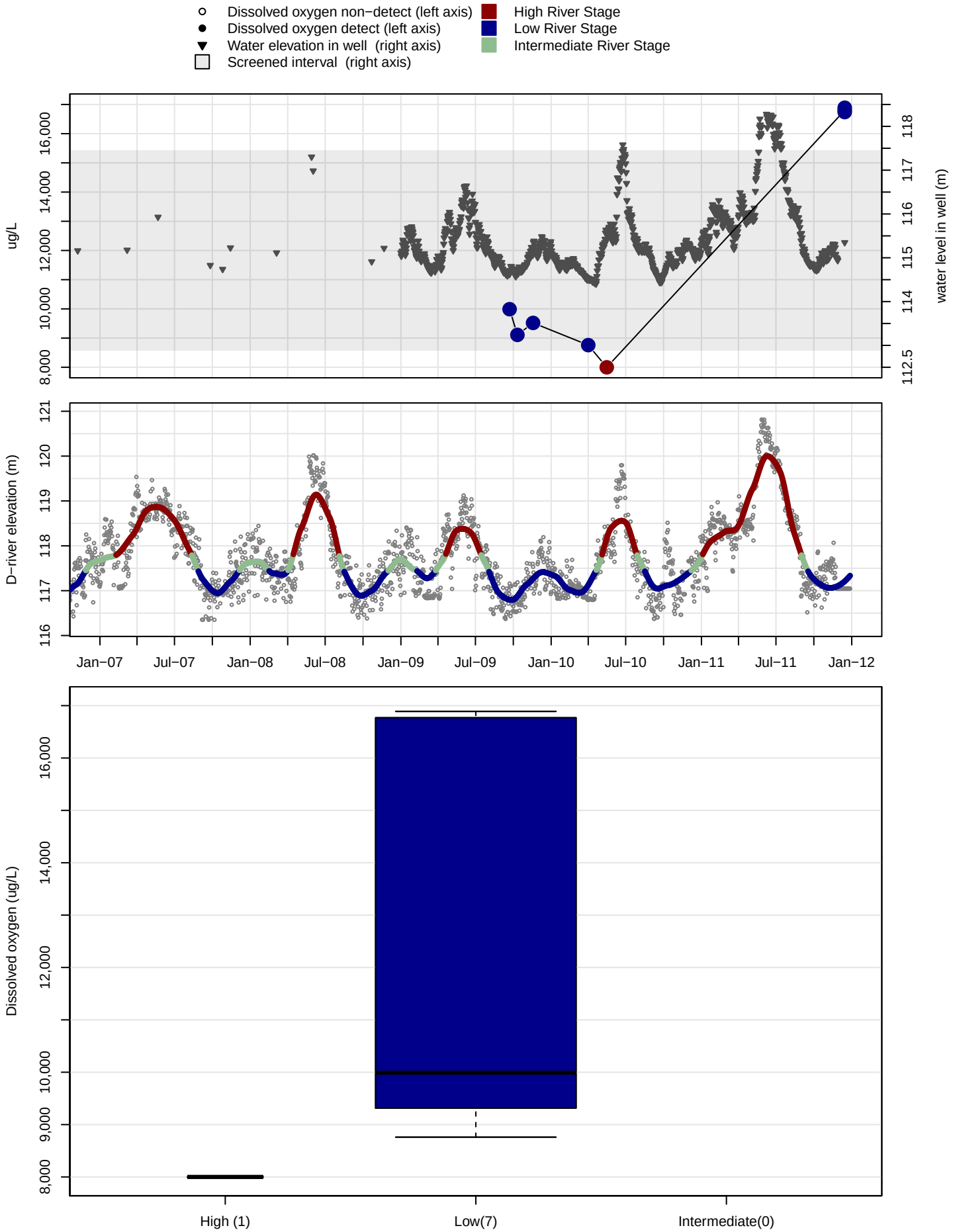
Mann Whitney p = NA t−test p = NA

199−H3−5 (874m) Lag (78 Days)



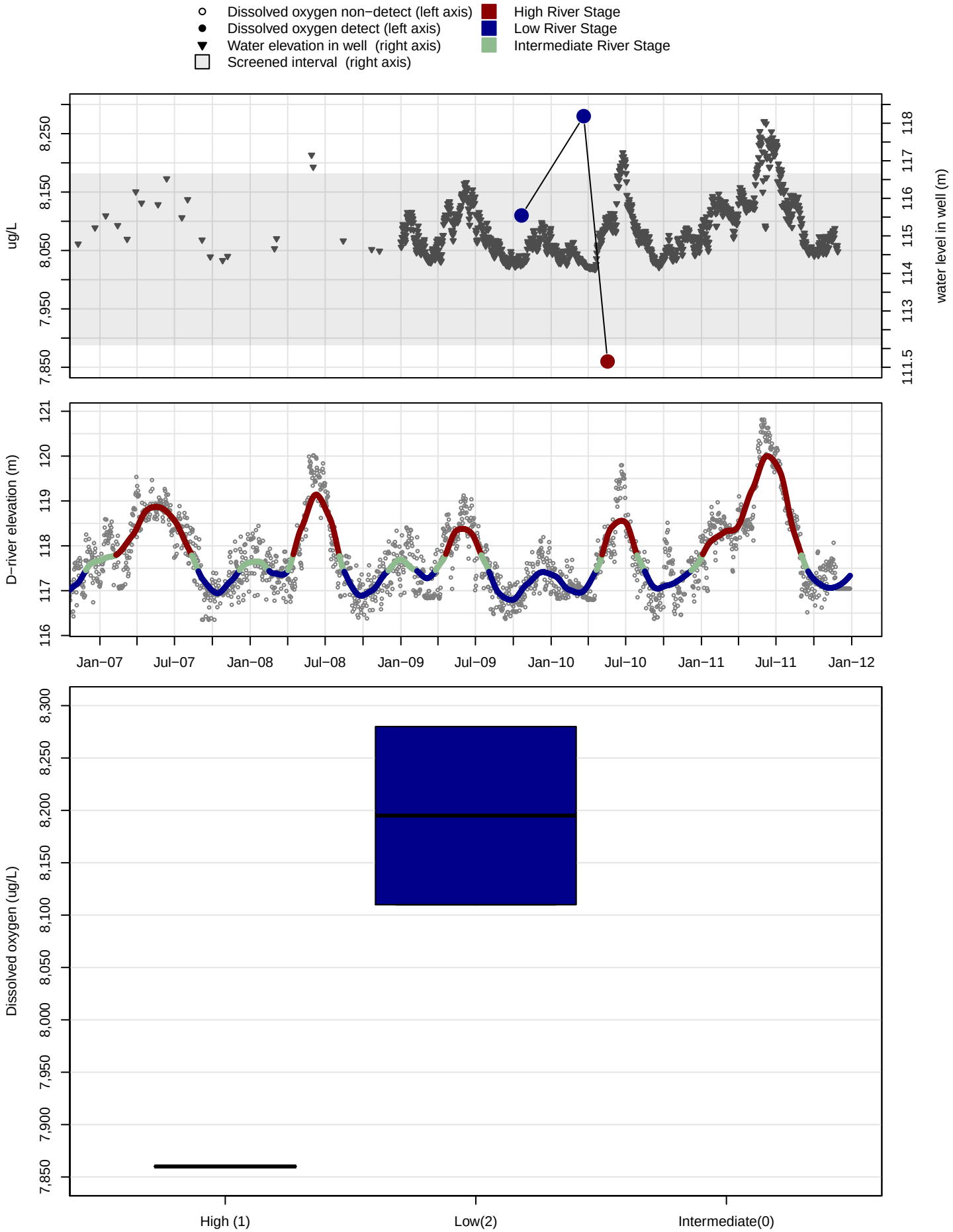
Mann Whitney p = NA t−test p = NA

199−H4−10 (57m) Lag (4 Days)



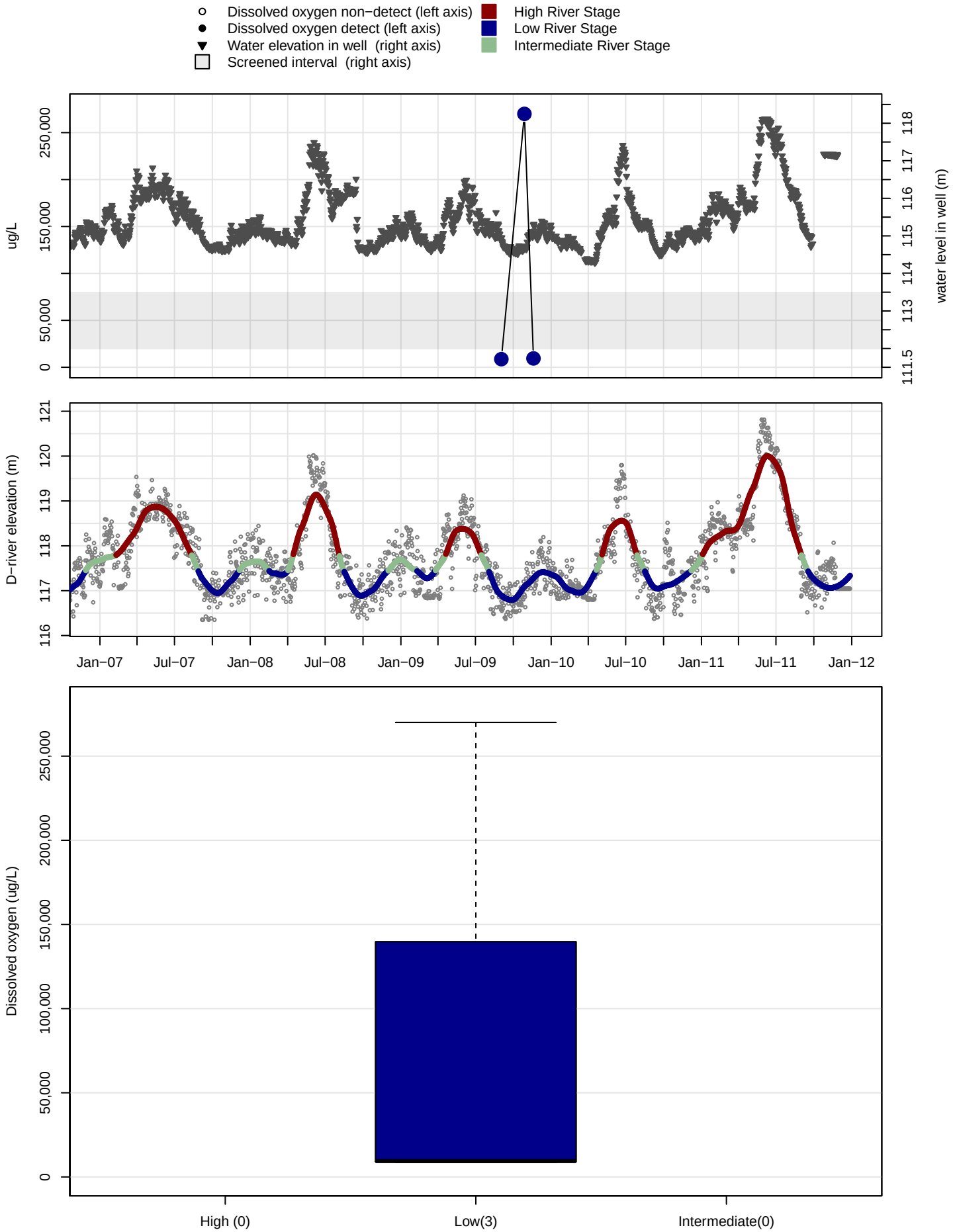
Mann Whitney p = NA t−test p = NA

199−H4−11 (57m) Lag (0 Days)



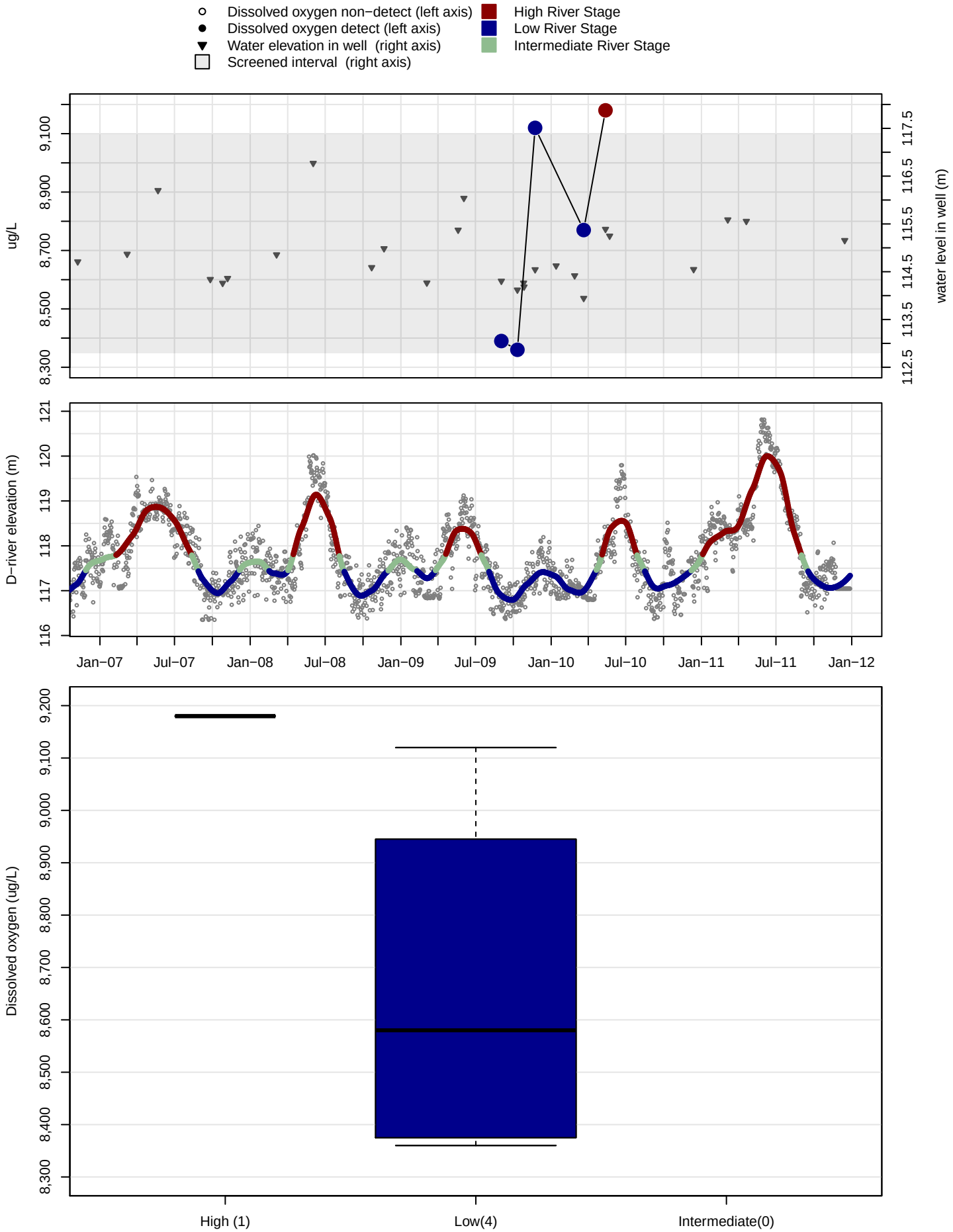
Mann Whitney p = NA t−test p = NA

199−H4−12B (72m) Lag (9 Days)



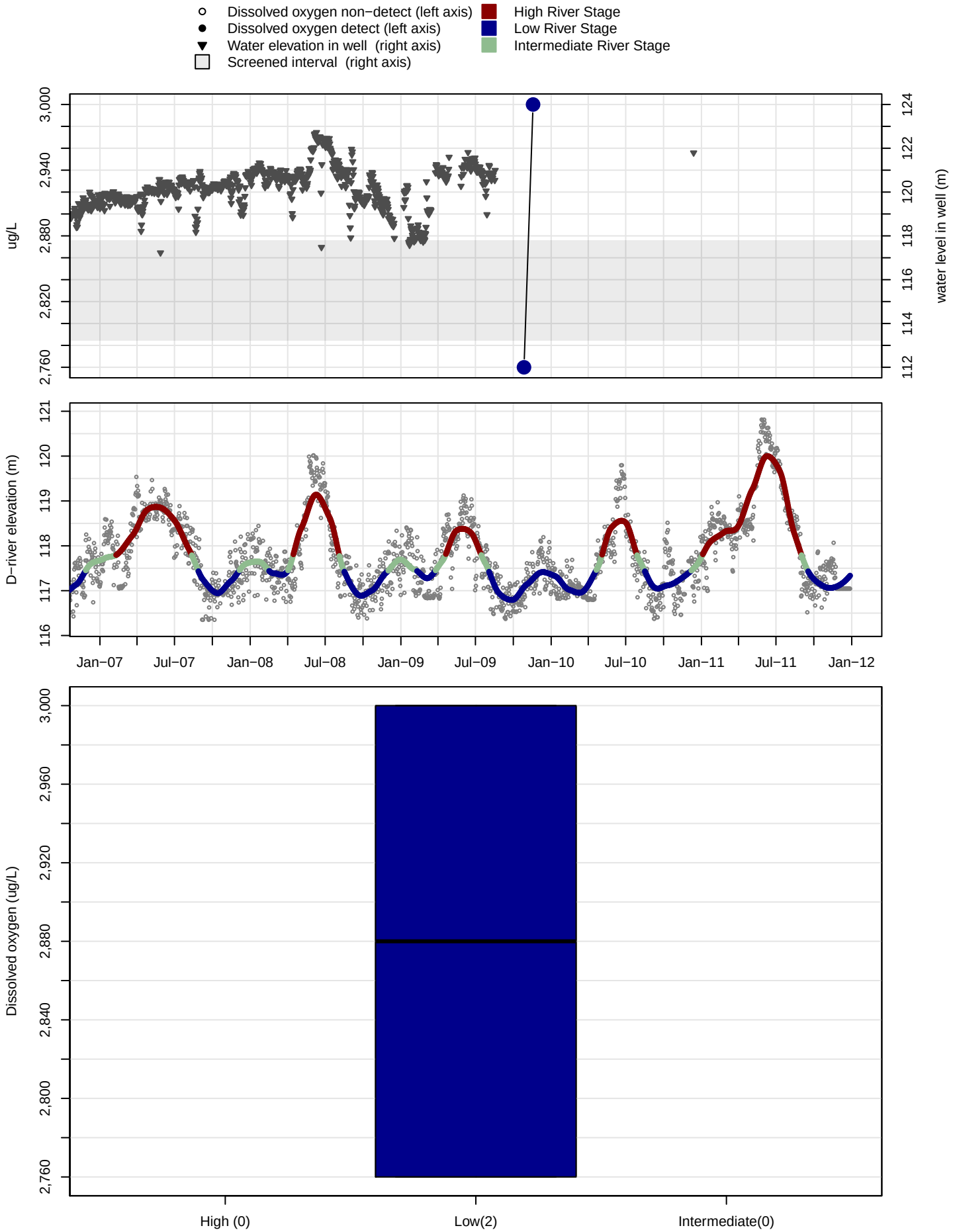
Mann Whitney p = NA t−test p = NA

199−H4−13 (55m) Lag (4 Days)



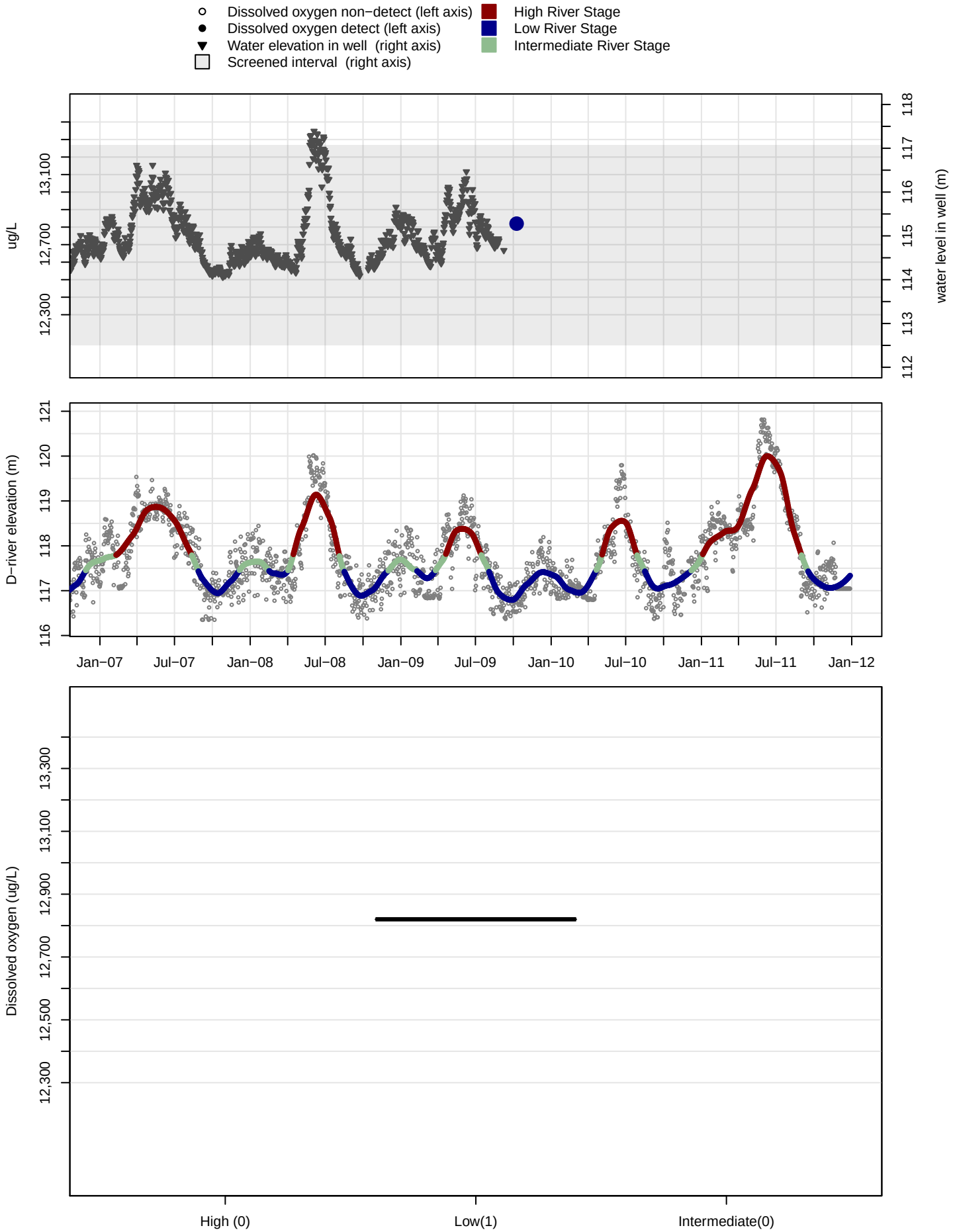
Mann Whitney p = NA t−test p = NA

199−H4−14* (332m) Lag (24 Days)



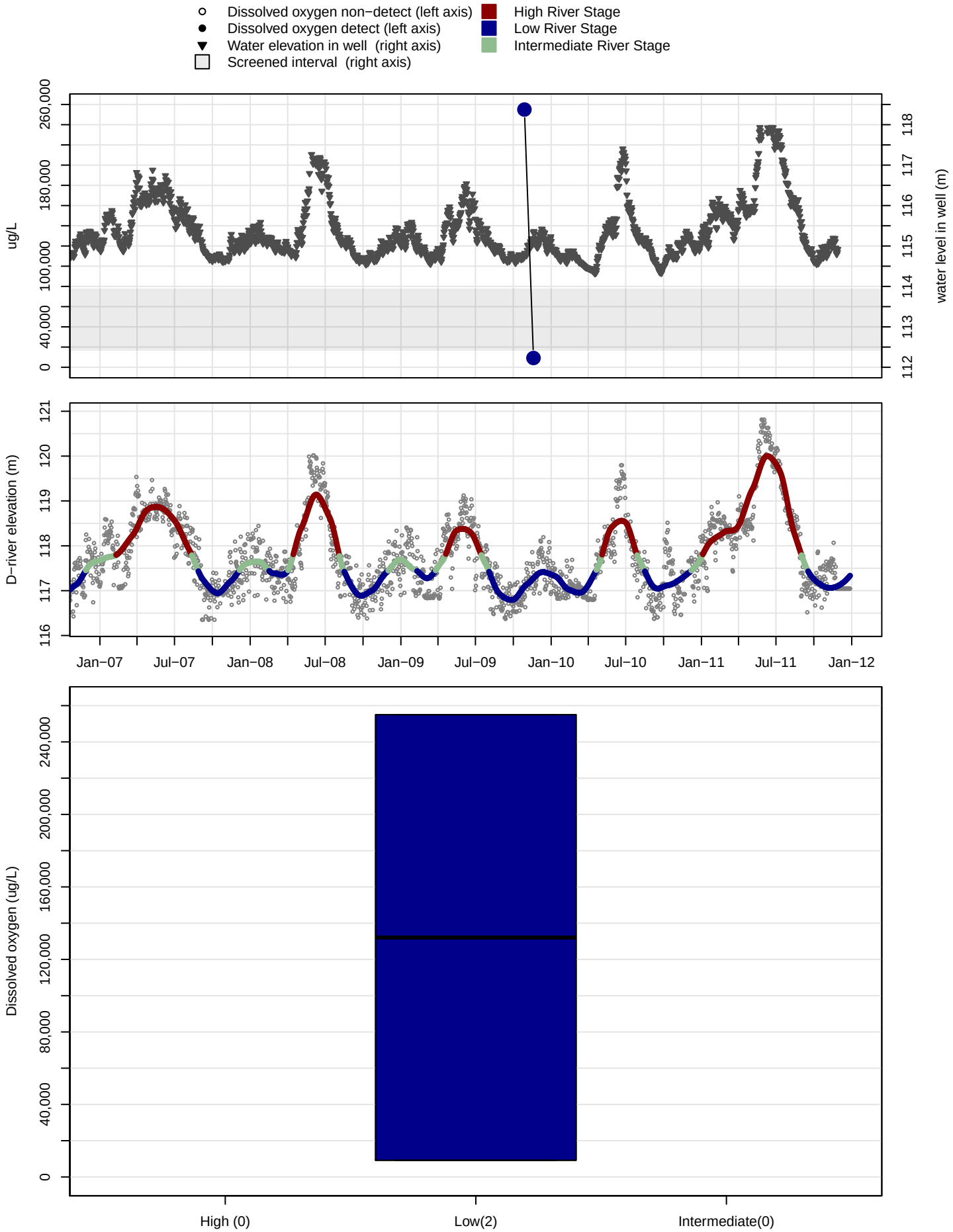
Mann Whitney p = NA t−test p = NA

199−H4−15A* (71m) Lag (4 Days)



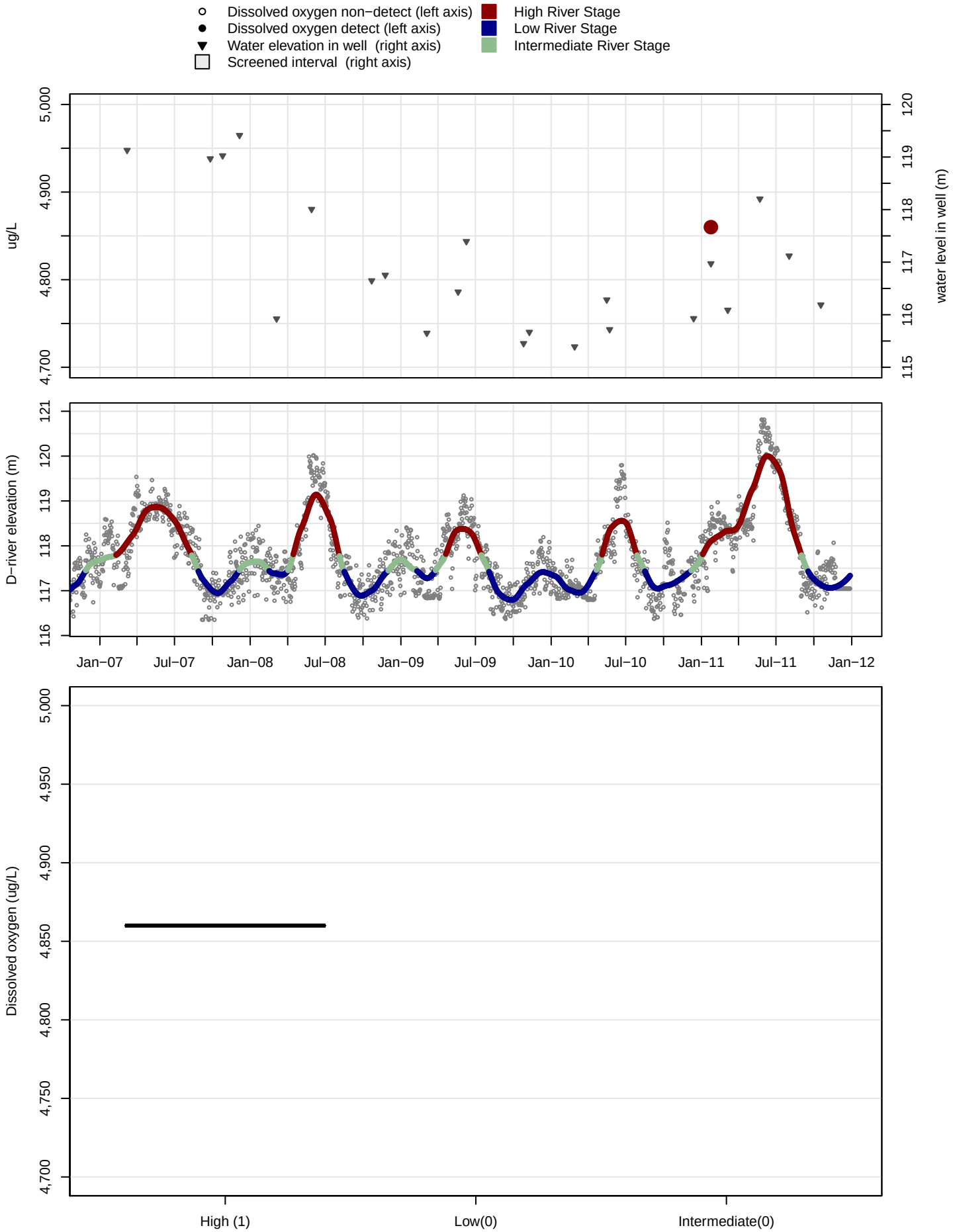
Mann Whitney p = NA t−test p = NA

199−H4−15B (71m) Lag (5 Days)



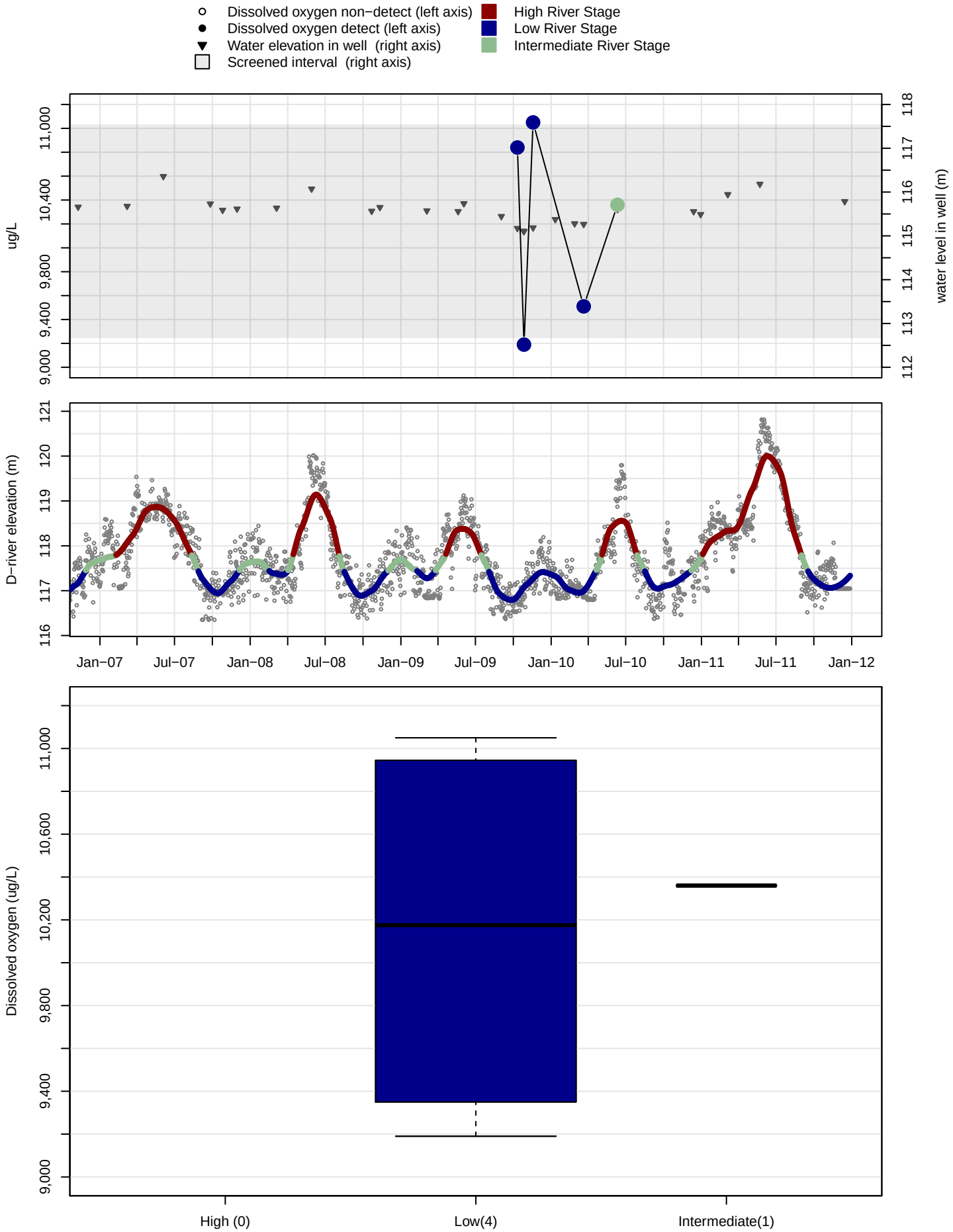
Mann Whitney p = NA t−test p = NA

199−H4−15CQ (64m) Lag (79 Days)



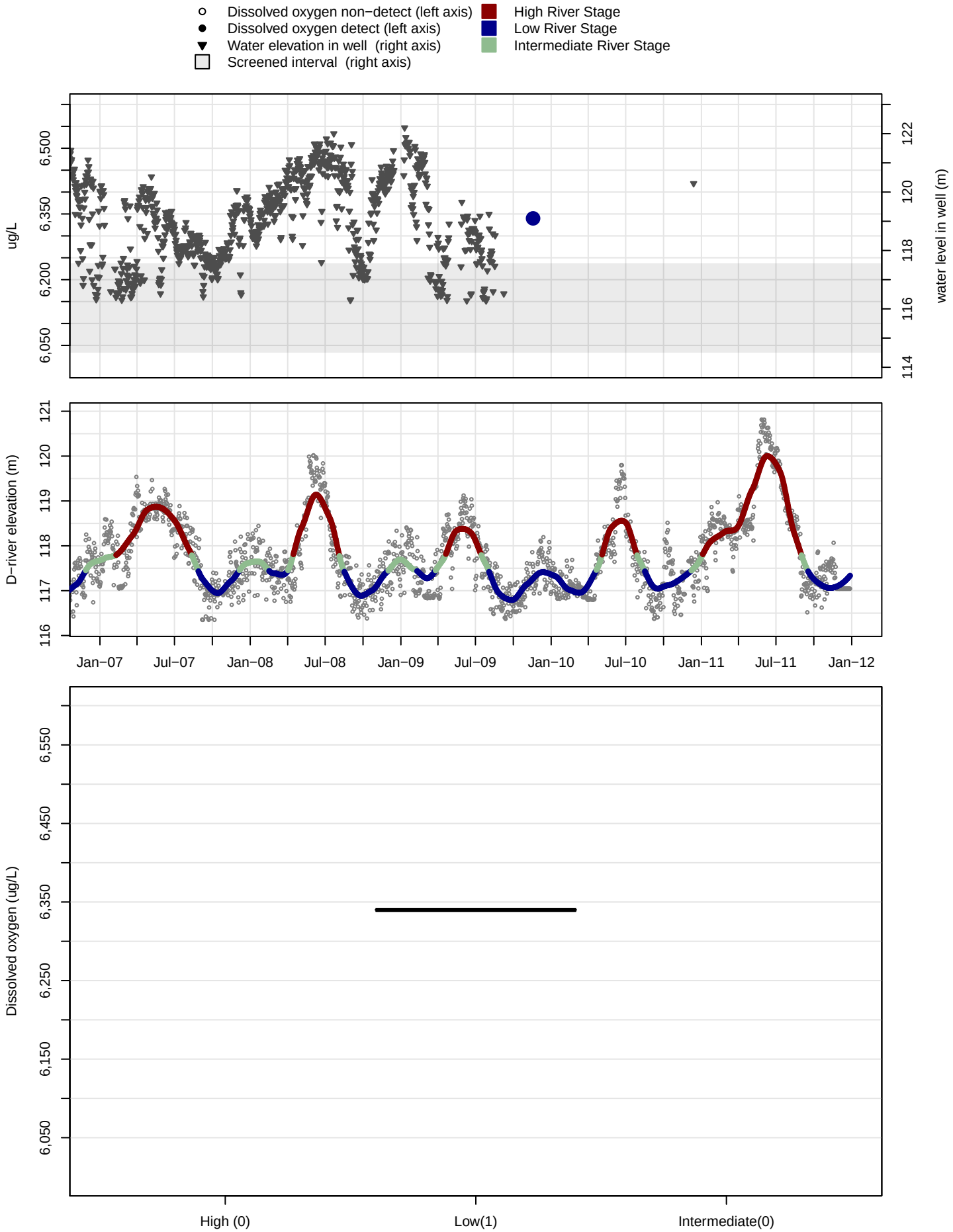
Mann Whitney p = NA t−test p = NA

199−H4−16 (266m) Lag (40 Days)



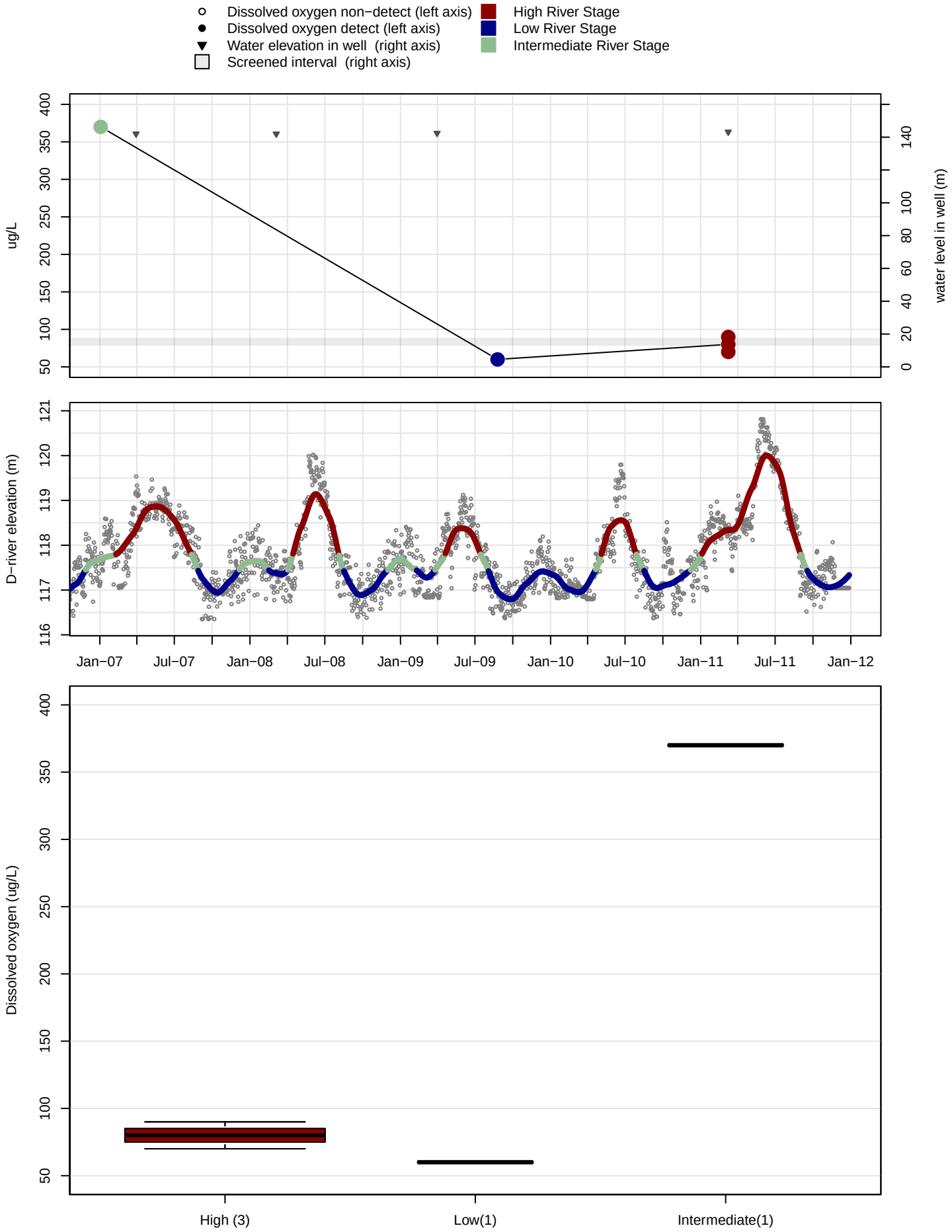
Mann Whitney p = NA t−test p = NA

199−H4−18* (153m) Lag (4 Days)



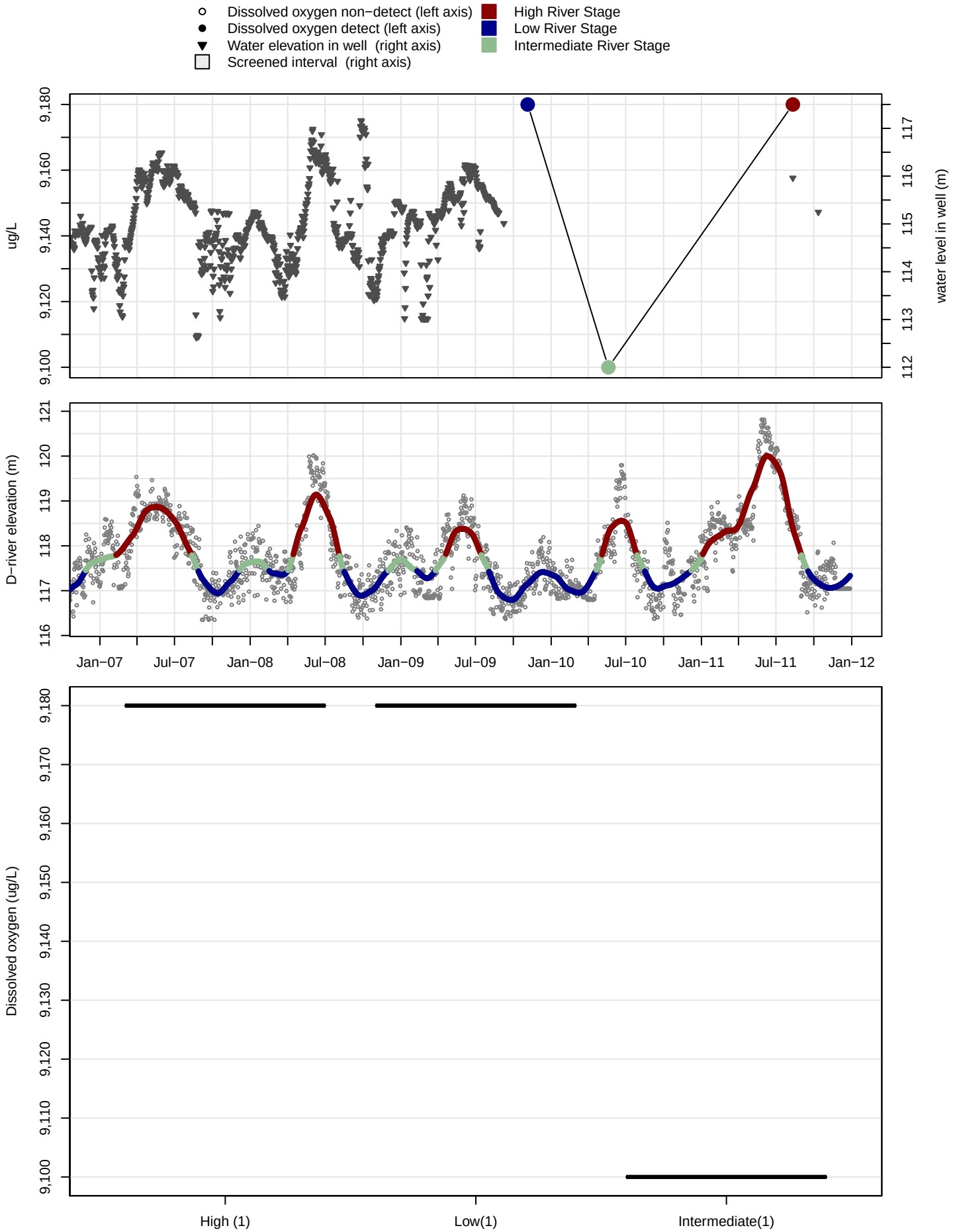
Mann Whitney p = NA t−test p = NA

199−H4−2 (210m) Lag (Indeterminate)



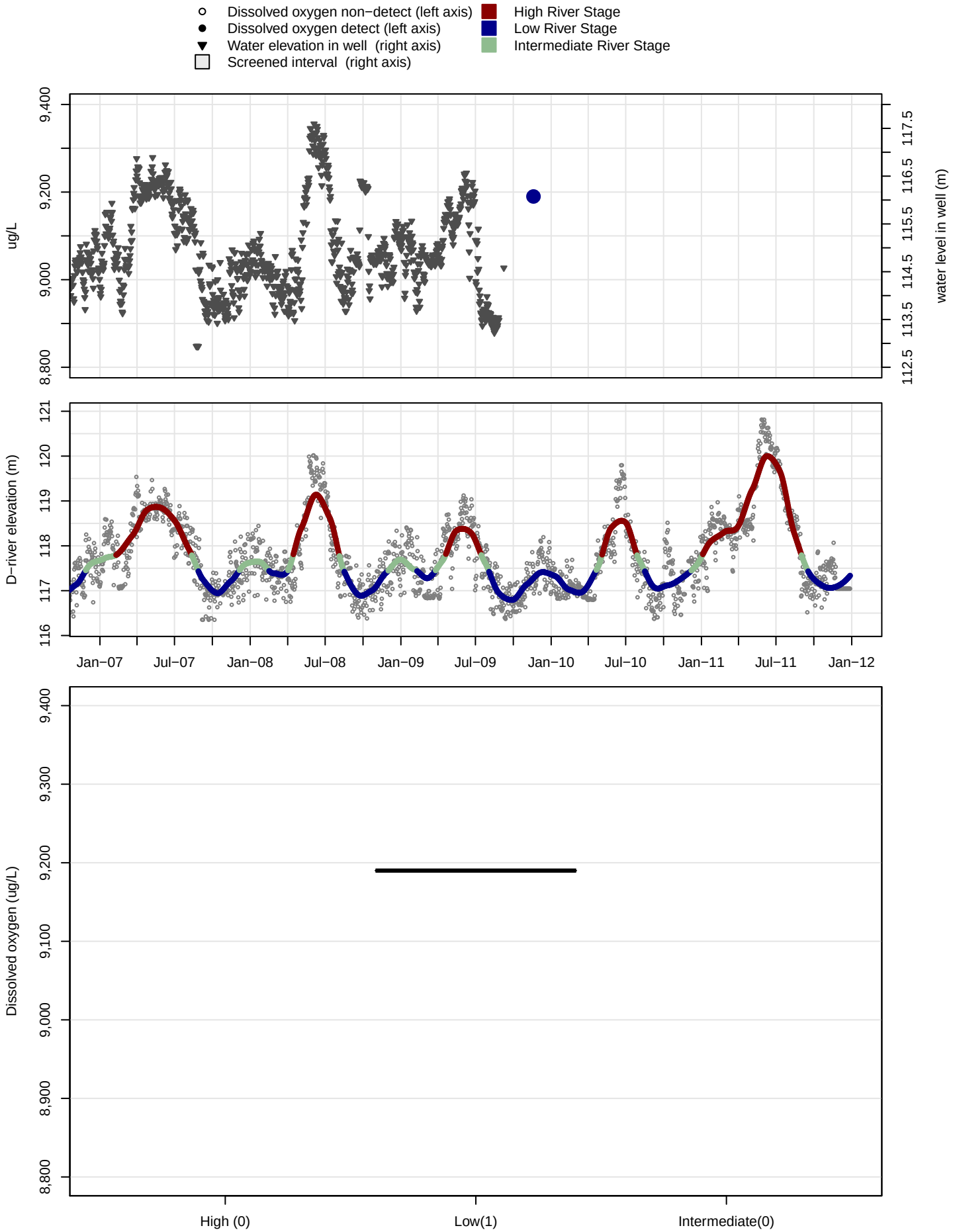
Mann Whitney p = NA t−test p = NA

199−H4−3* (159m) Lag (14 Days)



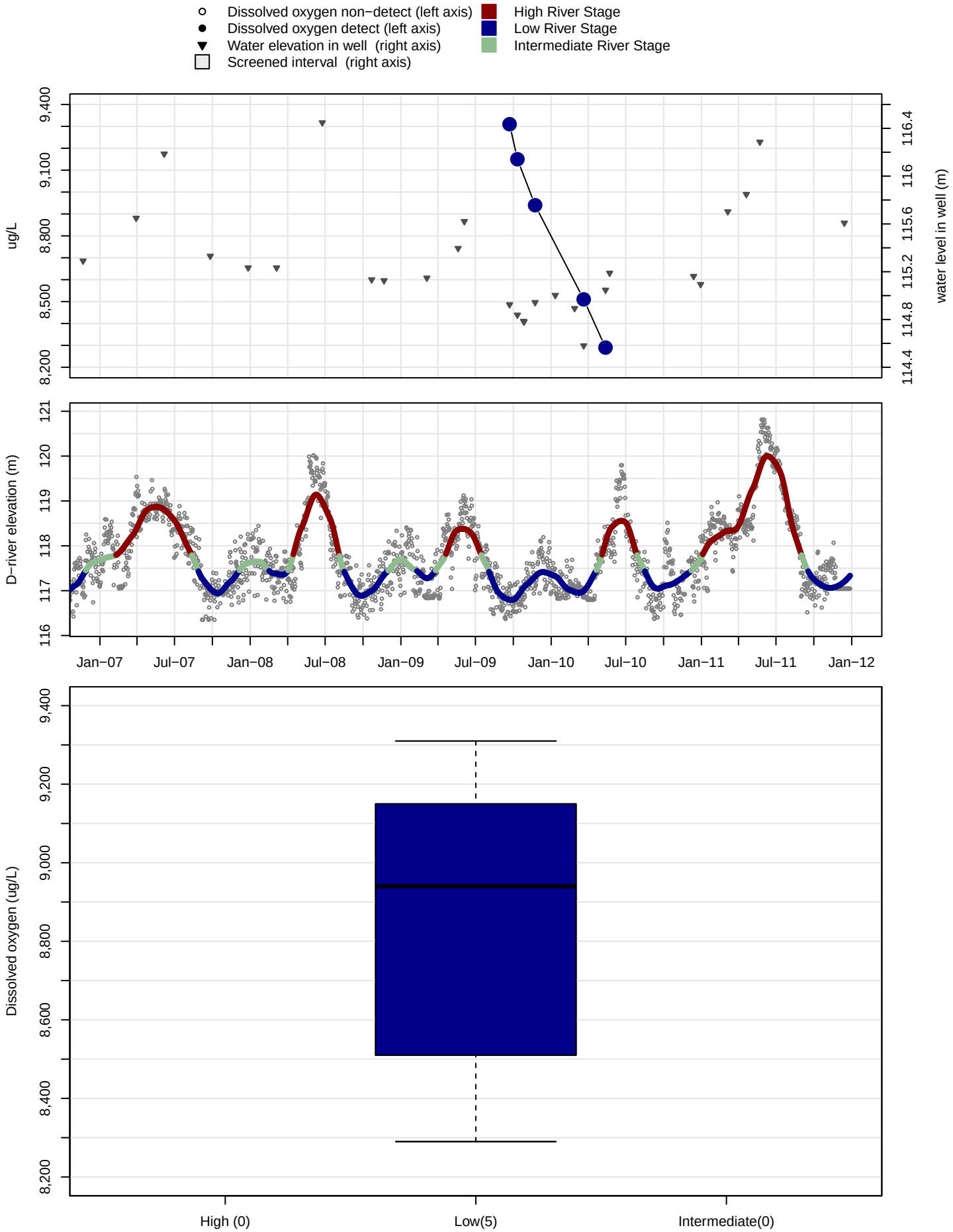
Mann Whitney p = NA t−test p = NA

199−H4−4* (63m) Lag (0 Days)



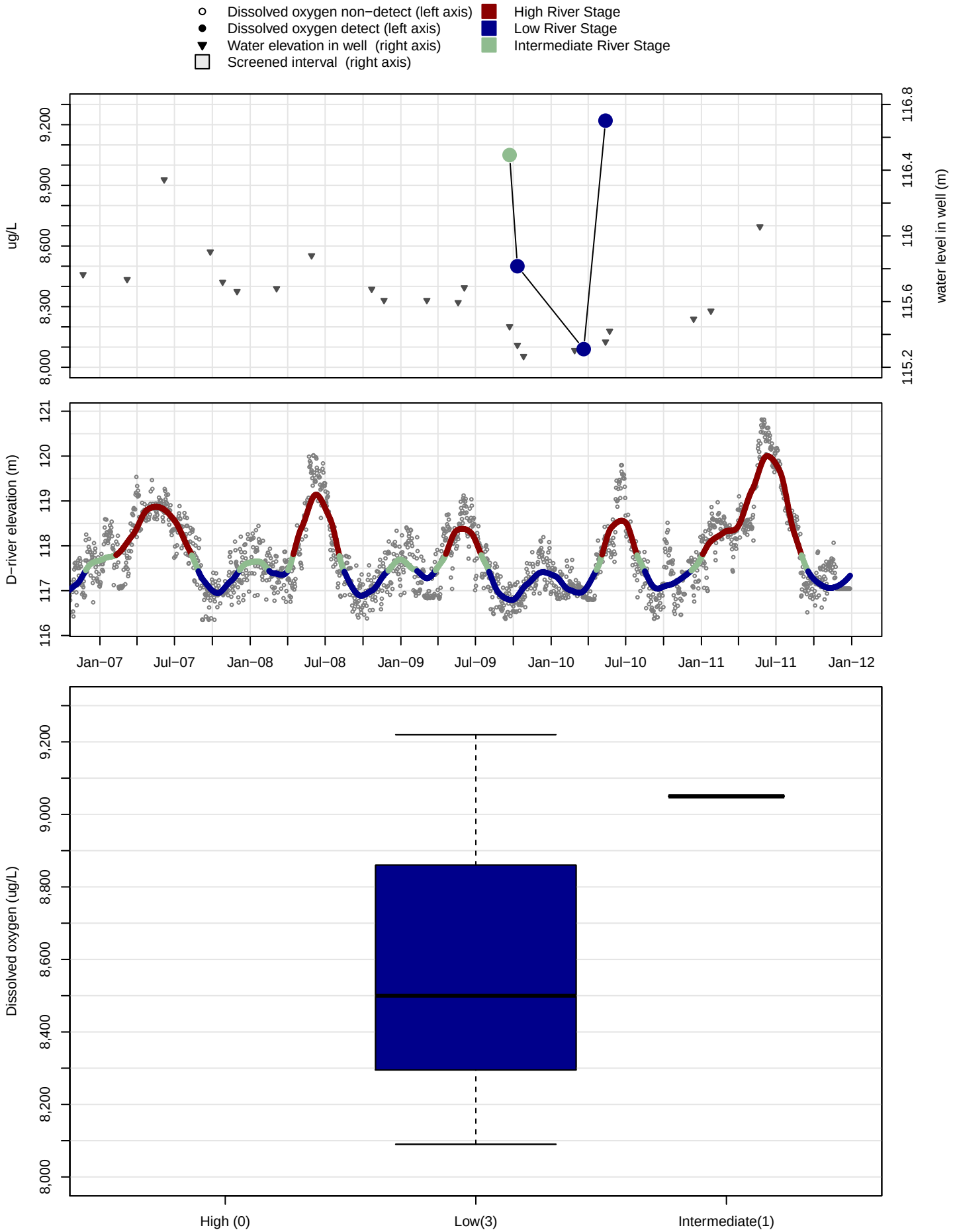
Mann Whitney p = NA t−test p = NA

199−H4−45 (194m) Lag (31 Days)



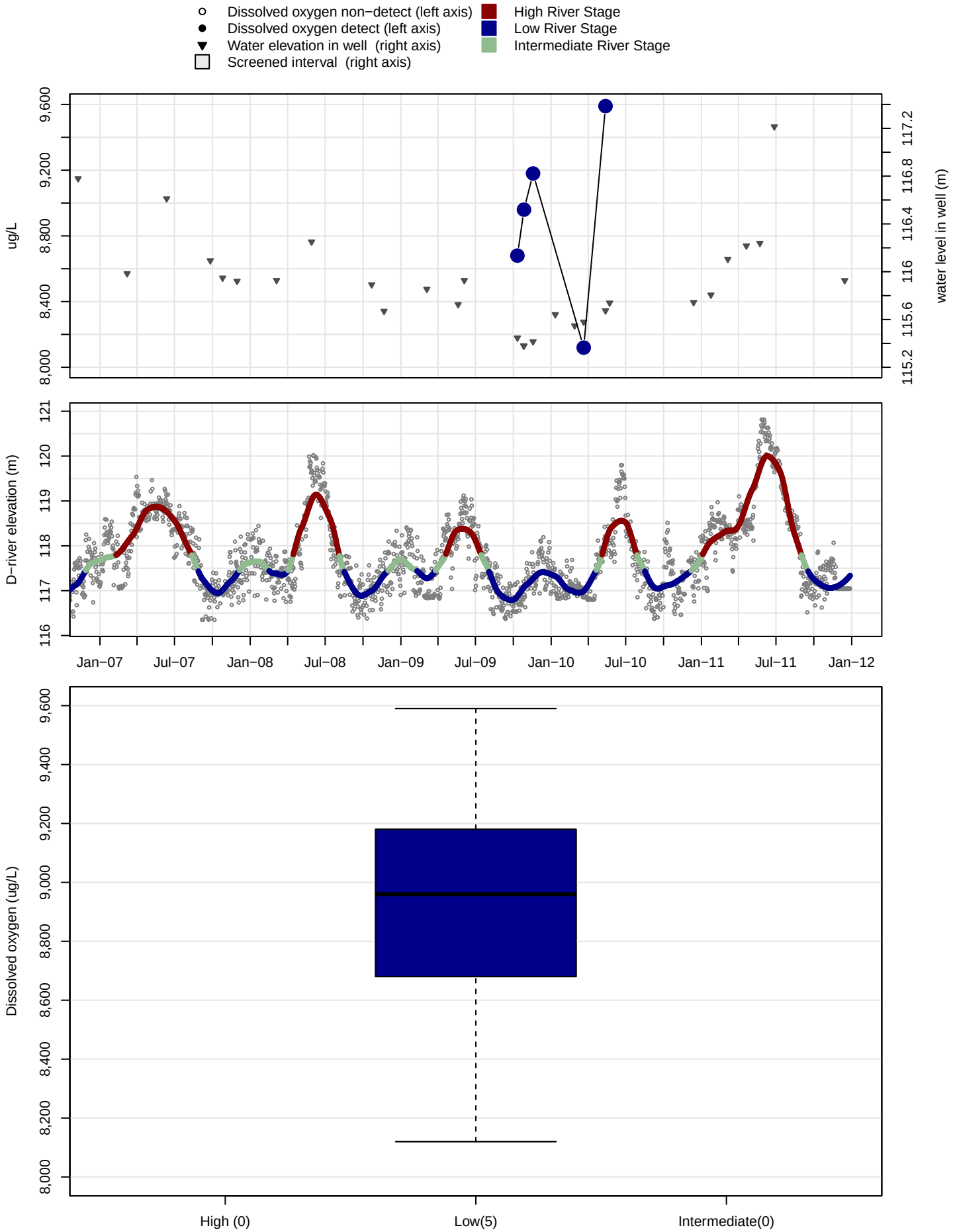
Mann Whitney p = NA t−test p = NA

199−H4−46 (423m) Lag (49 Days)



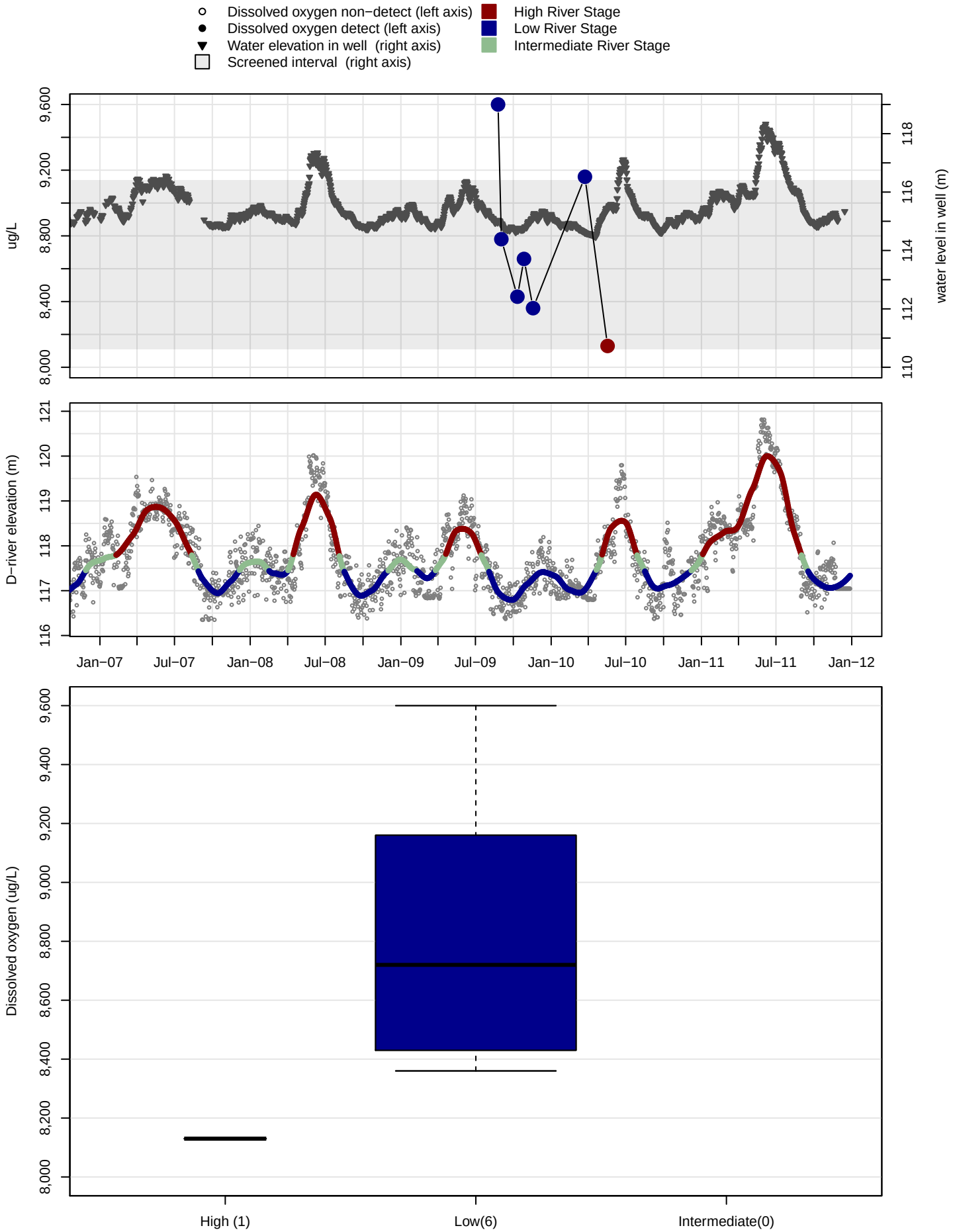
Mann Whitney p = NA t−test p = NA

199−H4−48 (415m) Lag (49 Days)



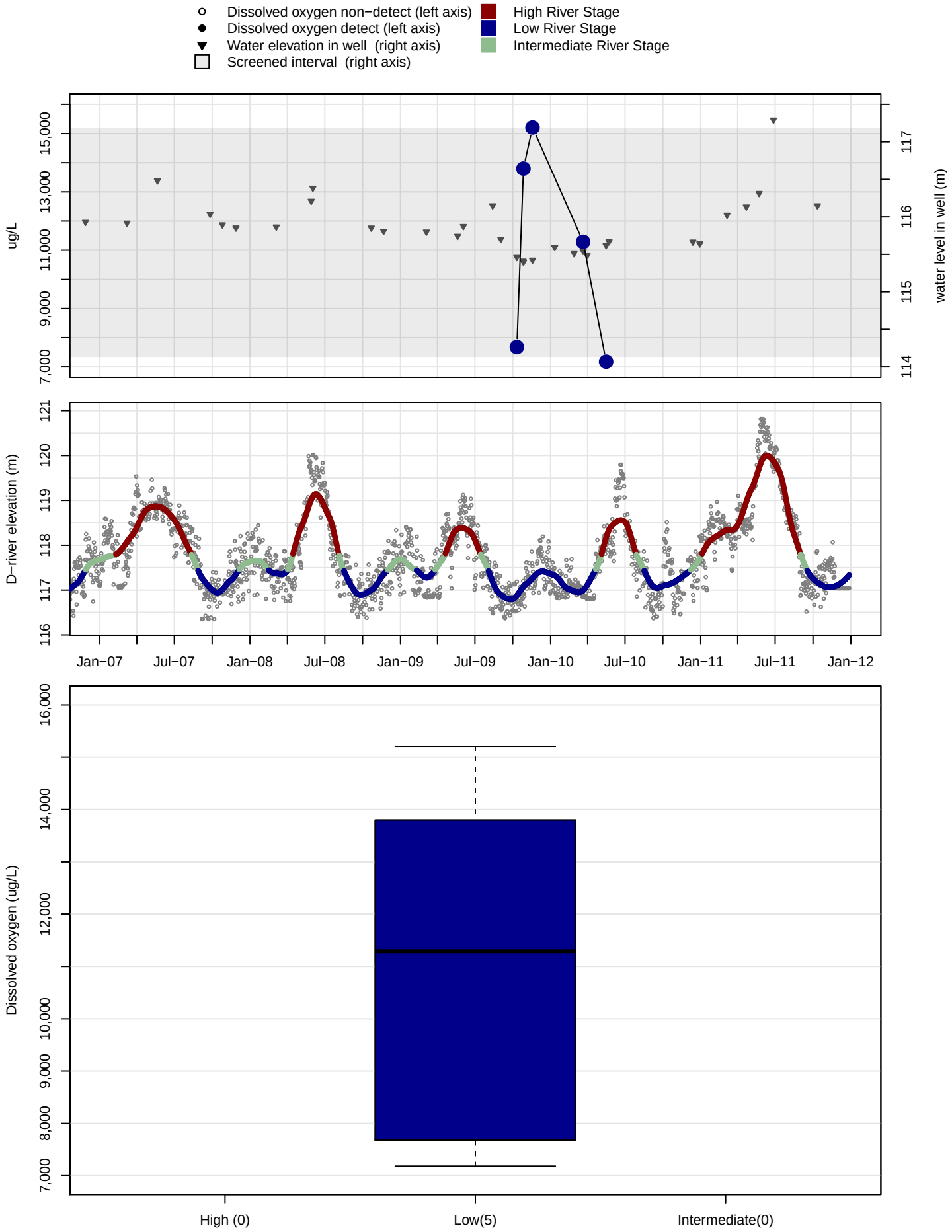
Mann Whitney p = NA t−test p = NA

199−H4−5 (111m) Lag (7 Days)



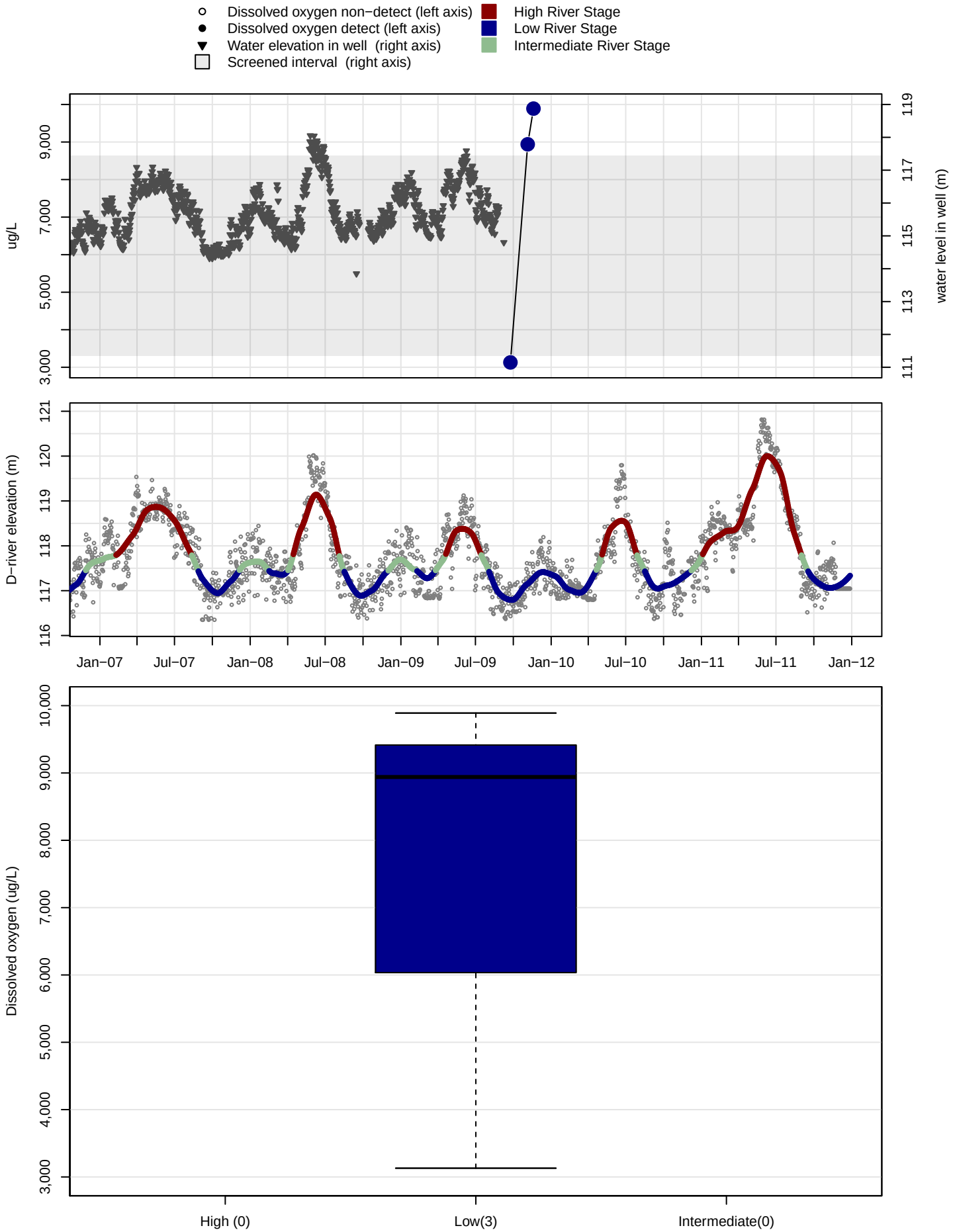
Mann Whitney p = NA t−test p = NA

199−H4−6 (417m) Lag (40 Days)



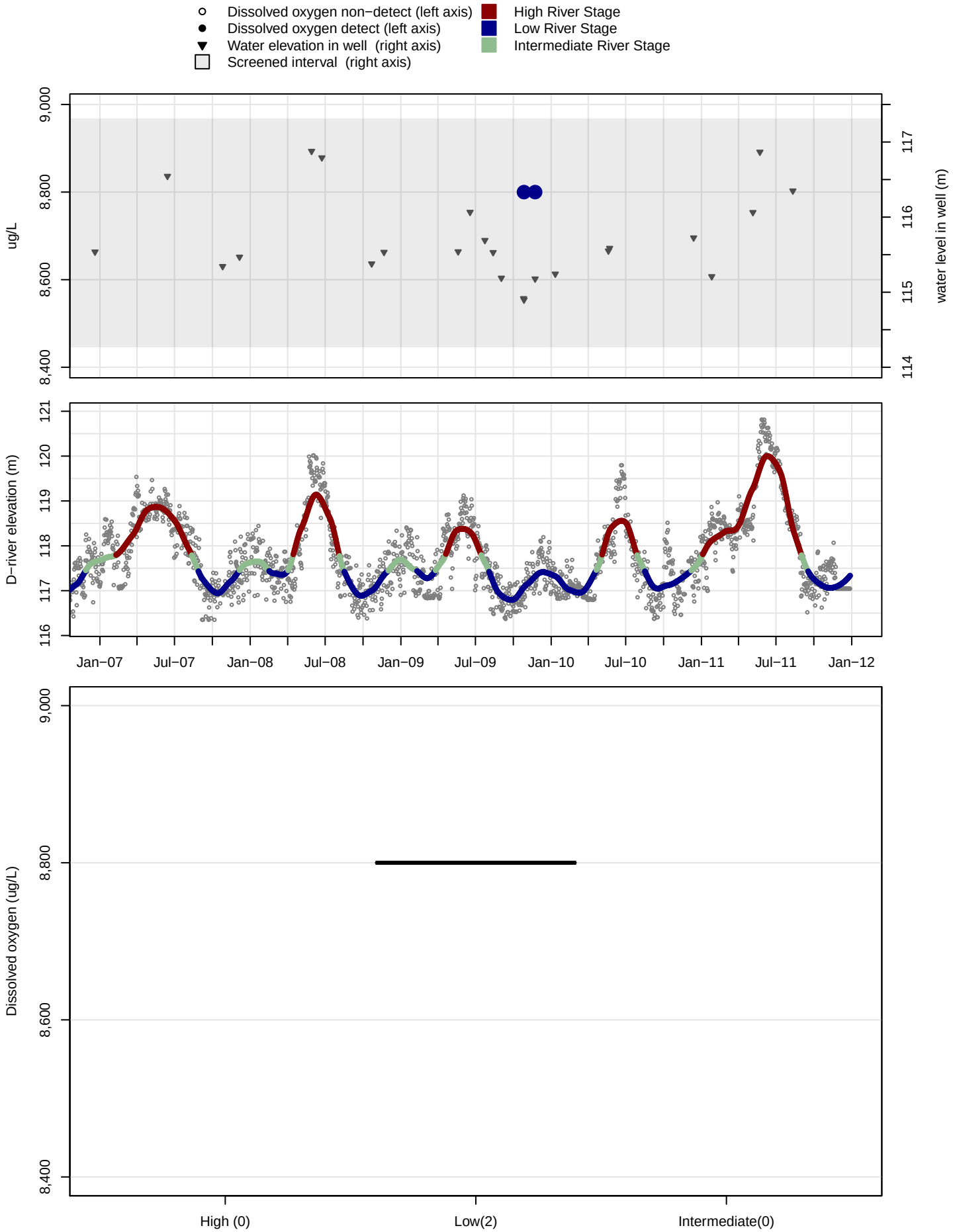
Mann Whitney p = NA t−test p = NA

199−H4−63* (52m) Lag (4 Days)



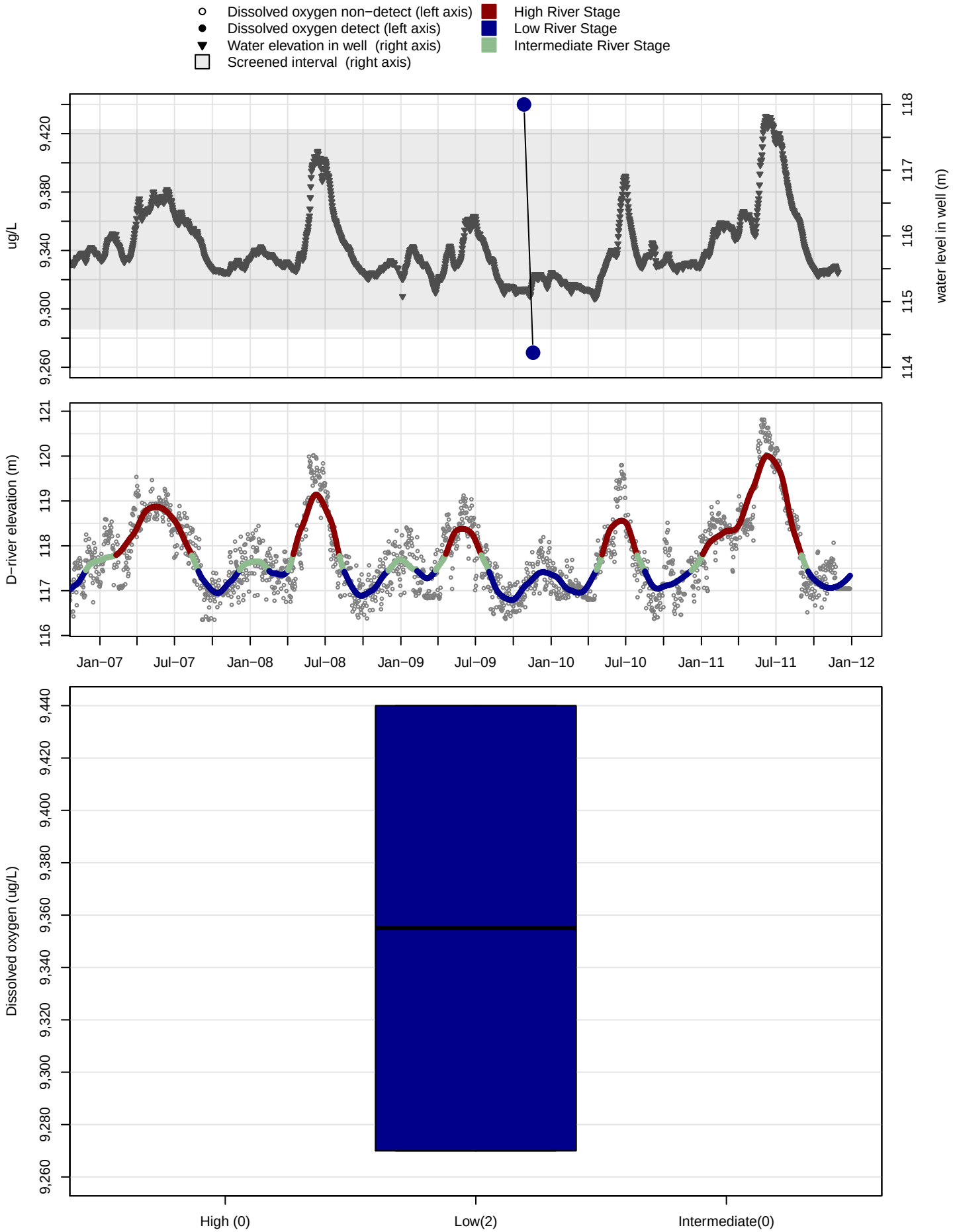
Mann Whitney p = NA t−test p = NA

199−H4−65 (151m) Lag (14 Days)



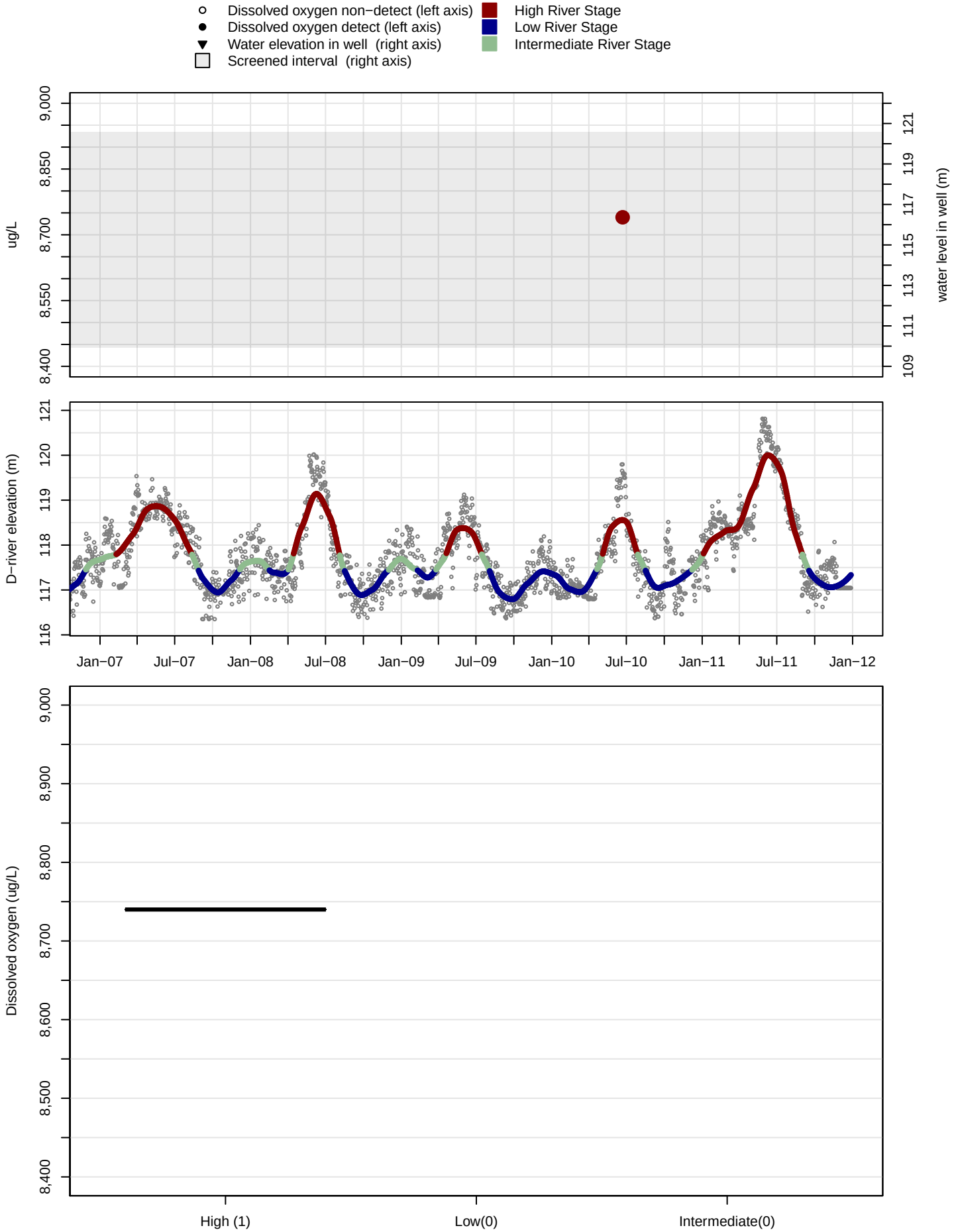
Mann Whitney p = NA t−test p = NA

199−H4−8 (192m) Lag (14 Days)



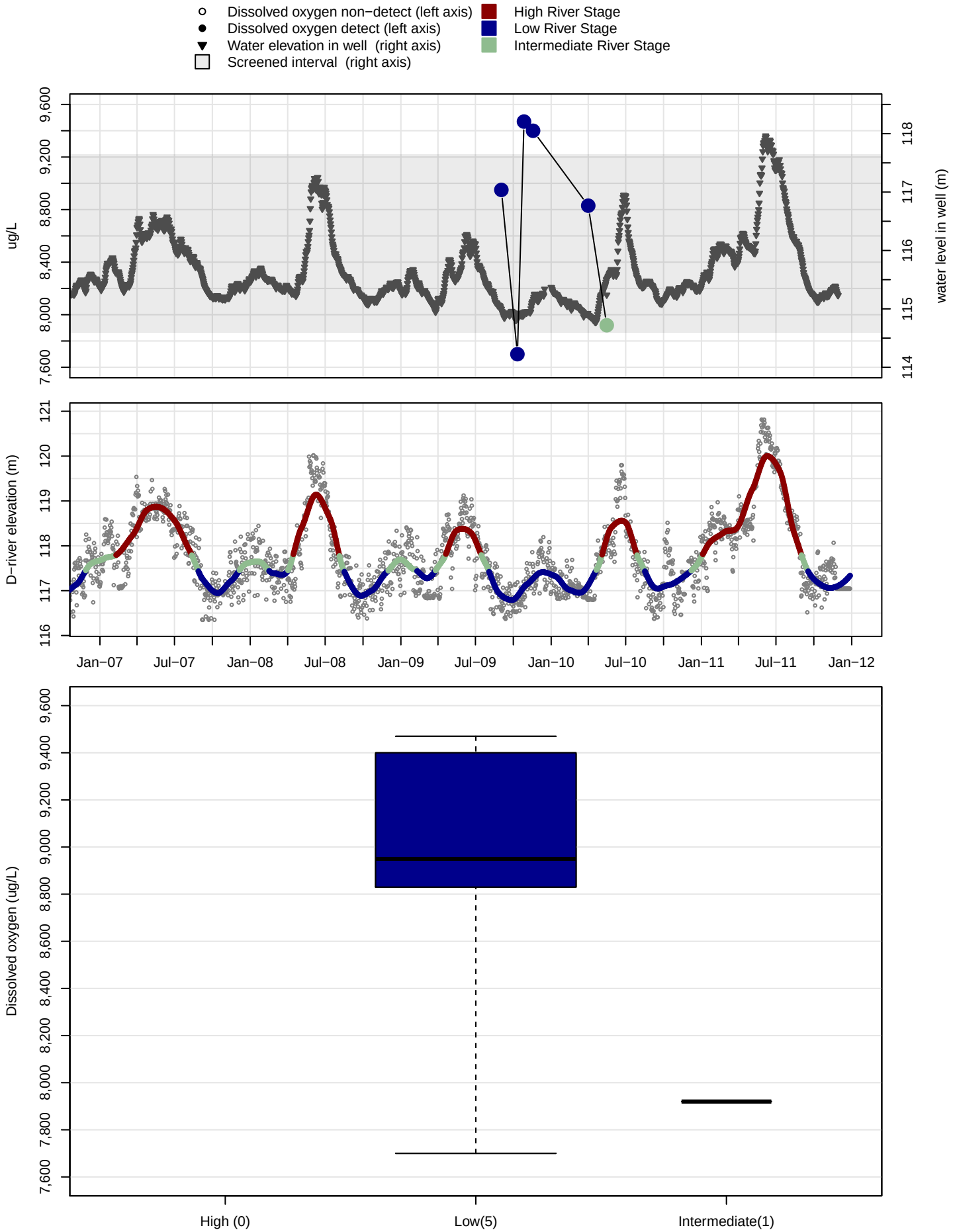
Mann Whitney p = NA t−test p = NA

199−H4−80* (1291m) Lag (Indeterminate)



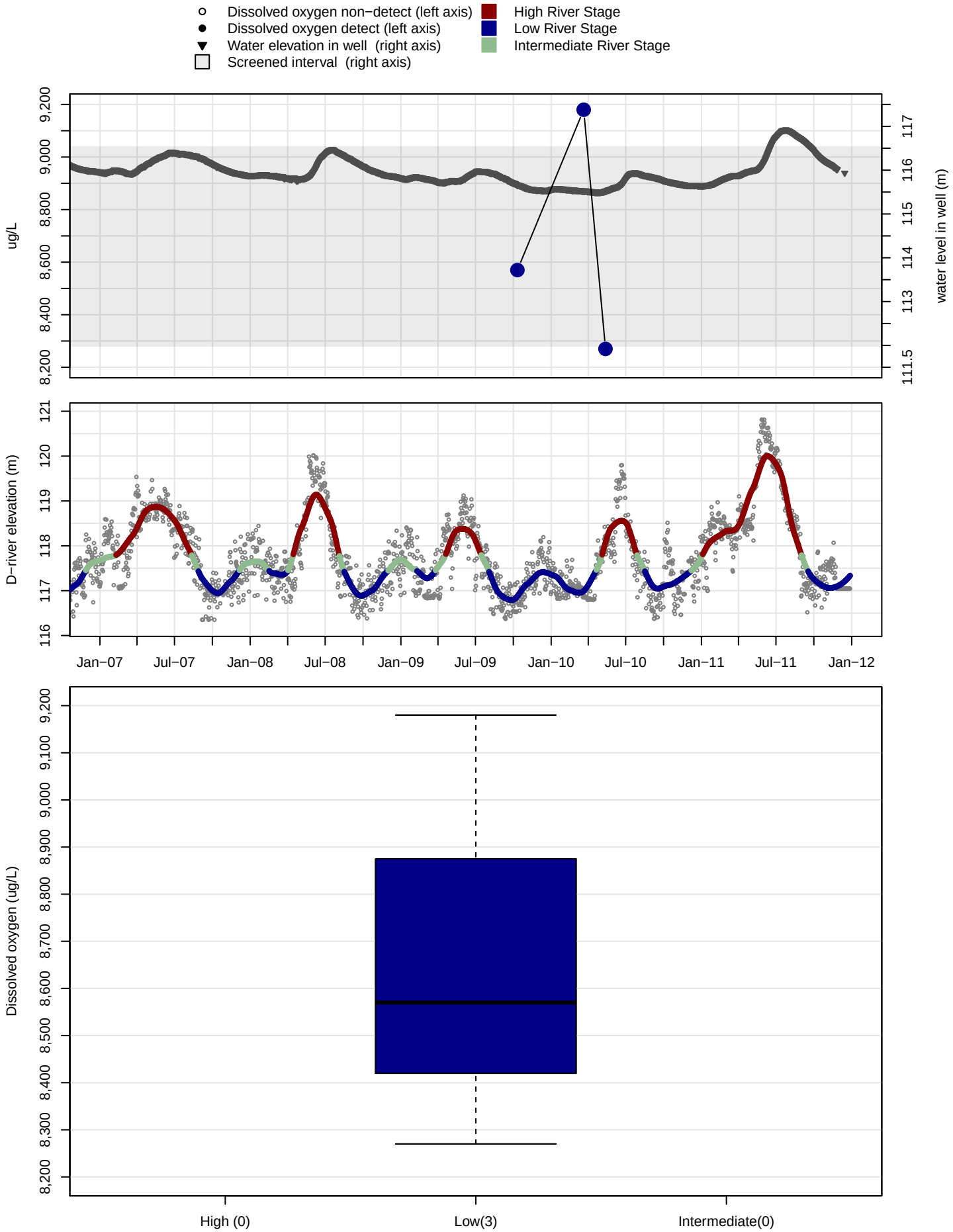
Mann Whitney p = NA t−test p = NA

199−H4−9 (154m) Lag (10 Days)



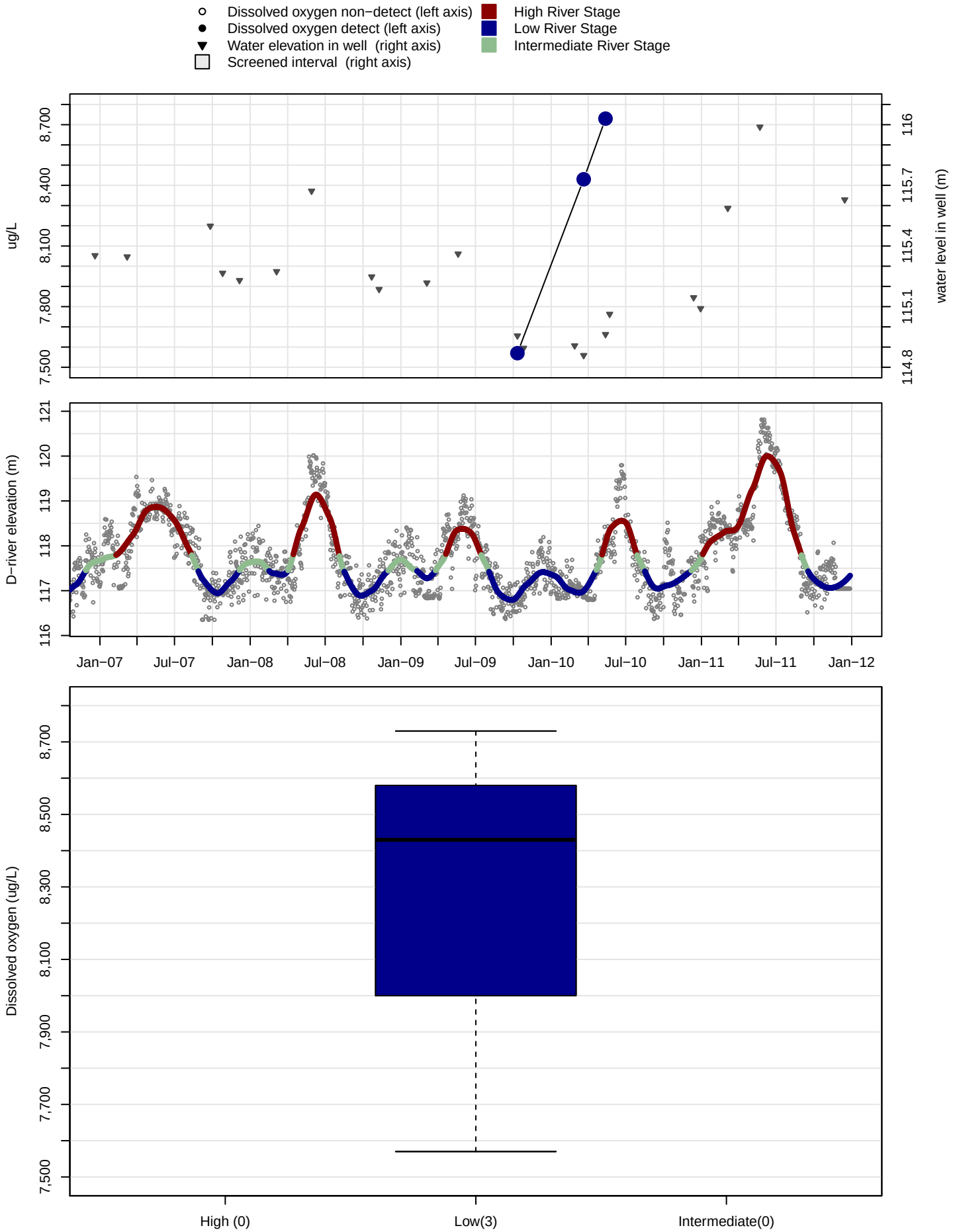
Mann Whitney p = NA t−test p = NA

199−H5−1A (715m) Lag (59 Days)



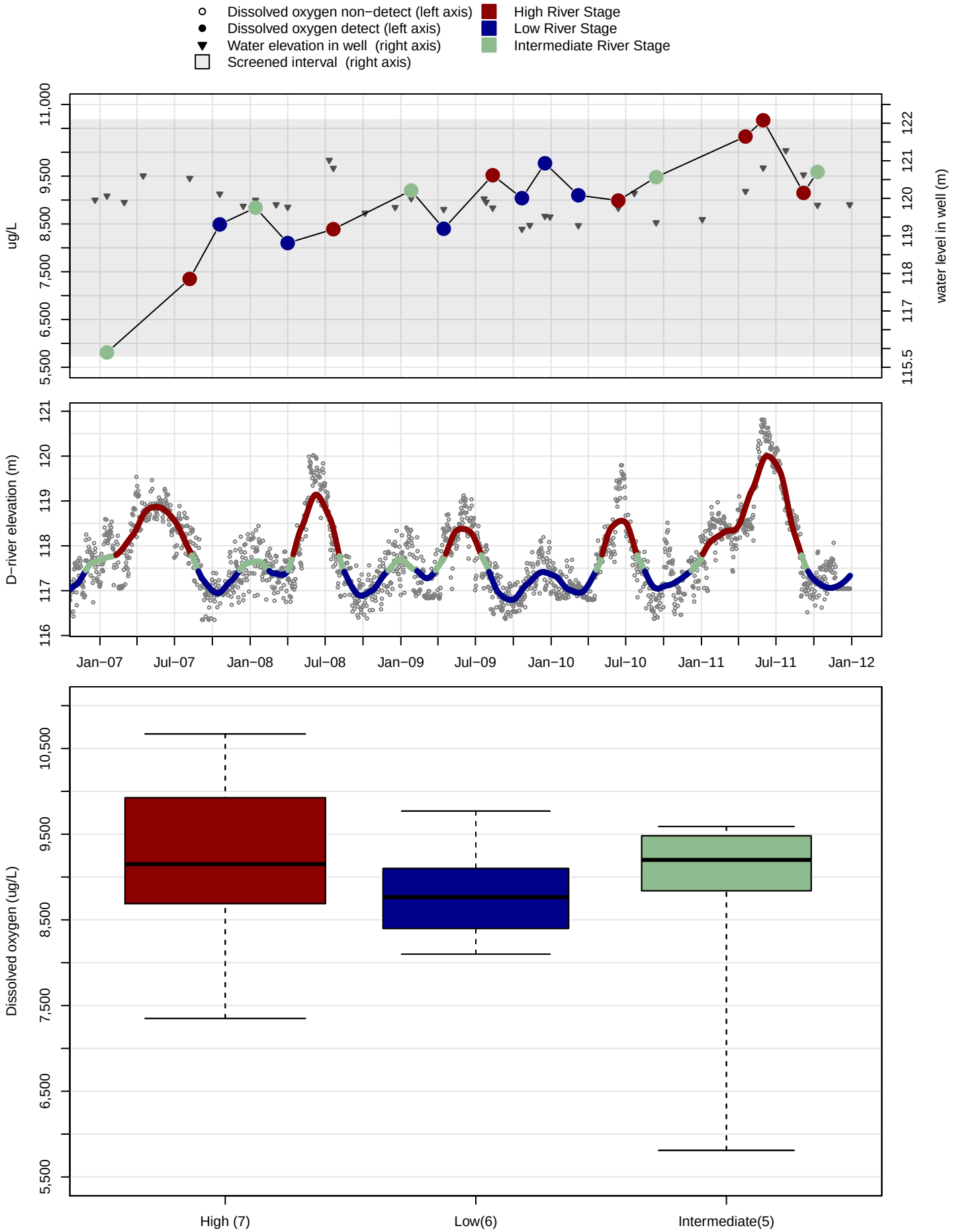
Mann Whitney p = NA t−test p = NA

199−H6−1 (291m) Lag (42 Days)



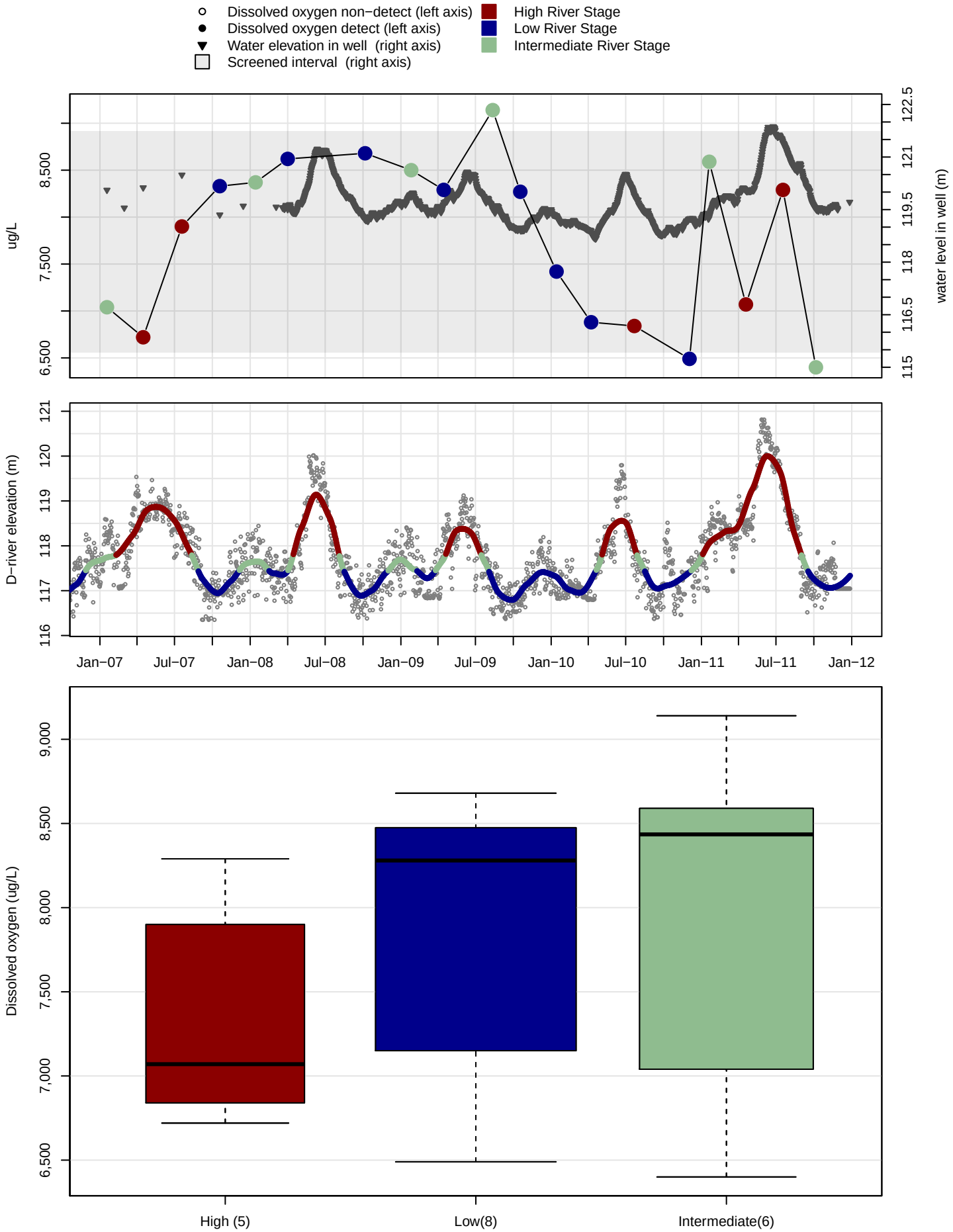
Mann Whitney p = NA t−test p = NA

199−K−106A (437m) Lag (29 Days)



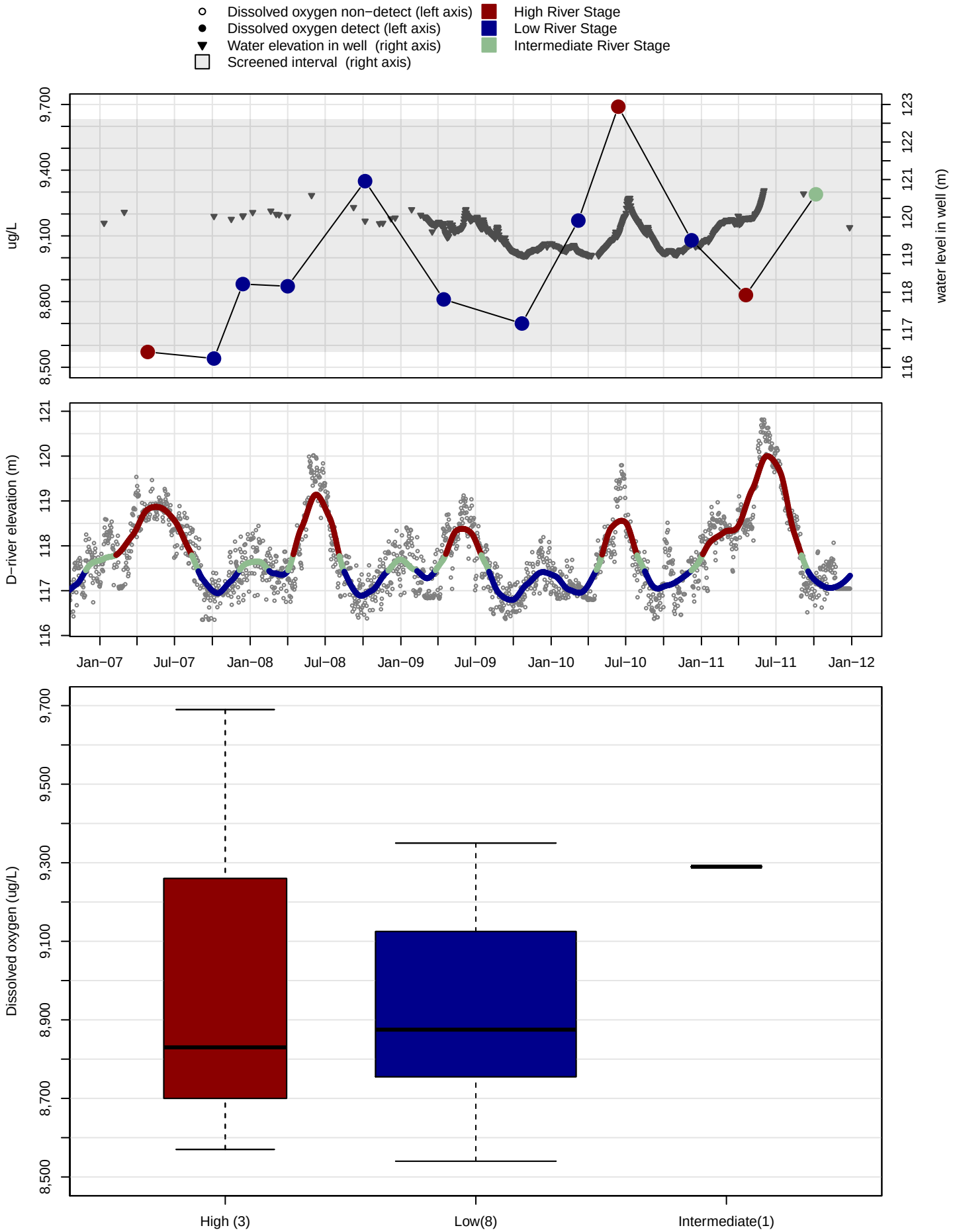
Mann Whitney p = 5.34e−01 t−test p = 4.56e−01

199−K−107A (388m) Lag (19 Days)



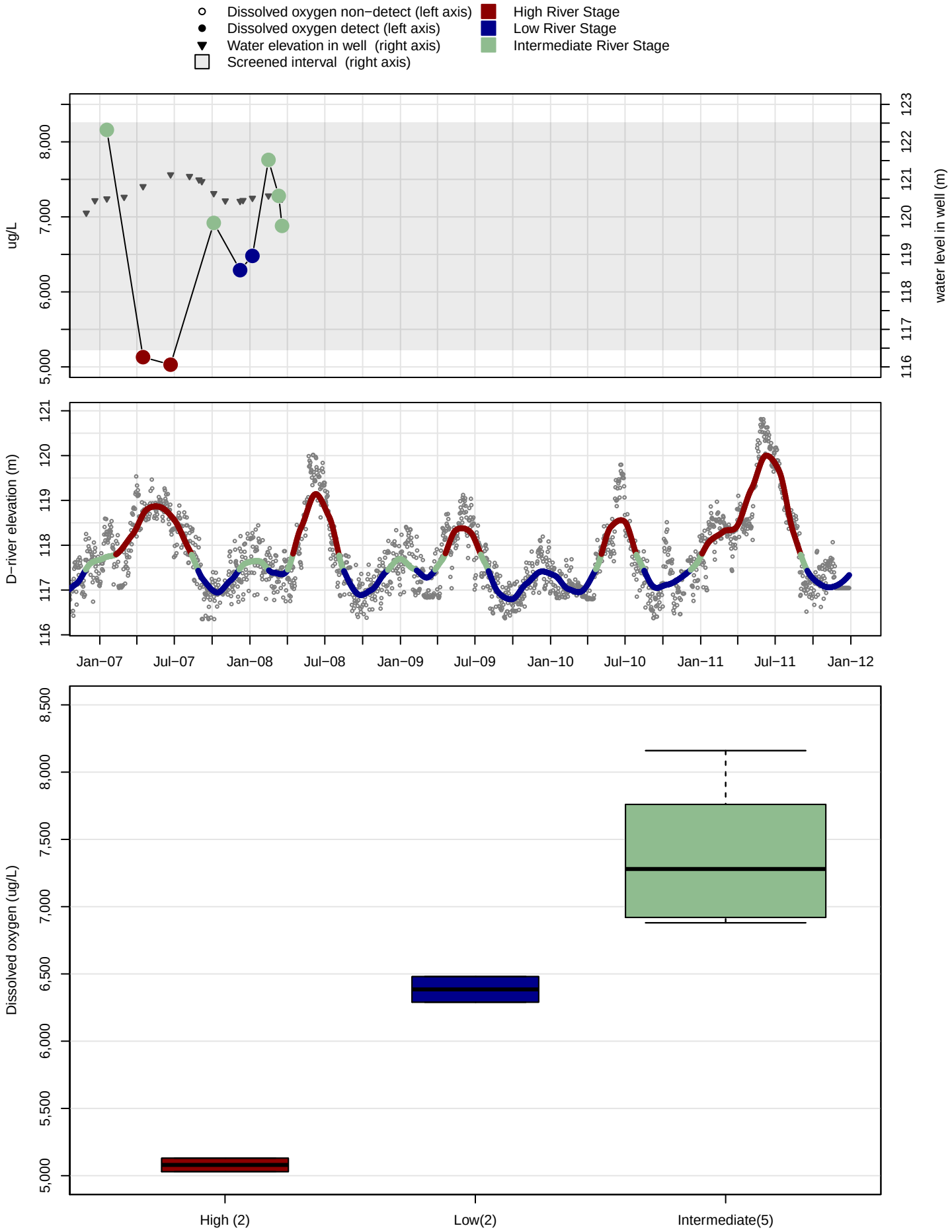
Mann Whitney p = 2.37e−01 t−test p = 2.62e−01

199−K−108A (516m) Lag (27 Days)



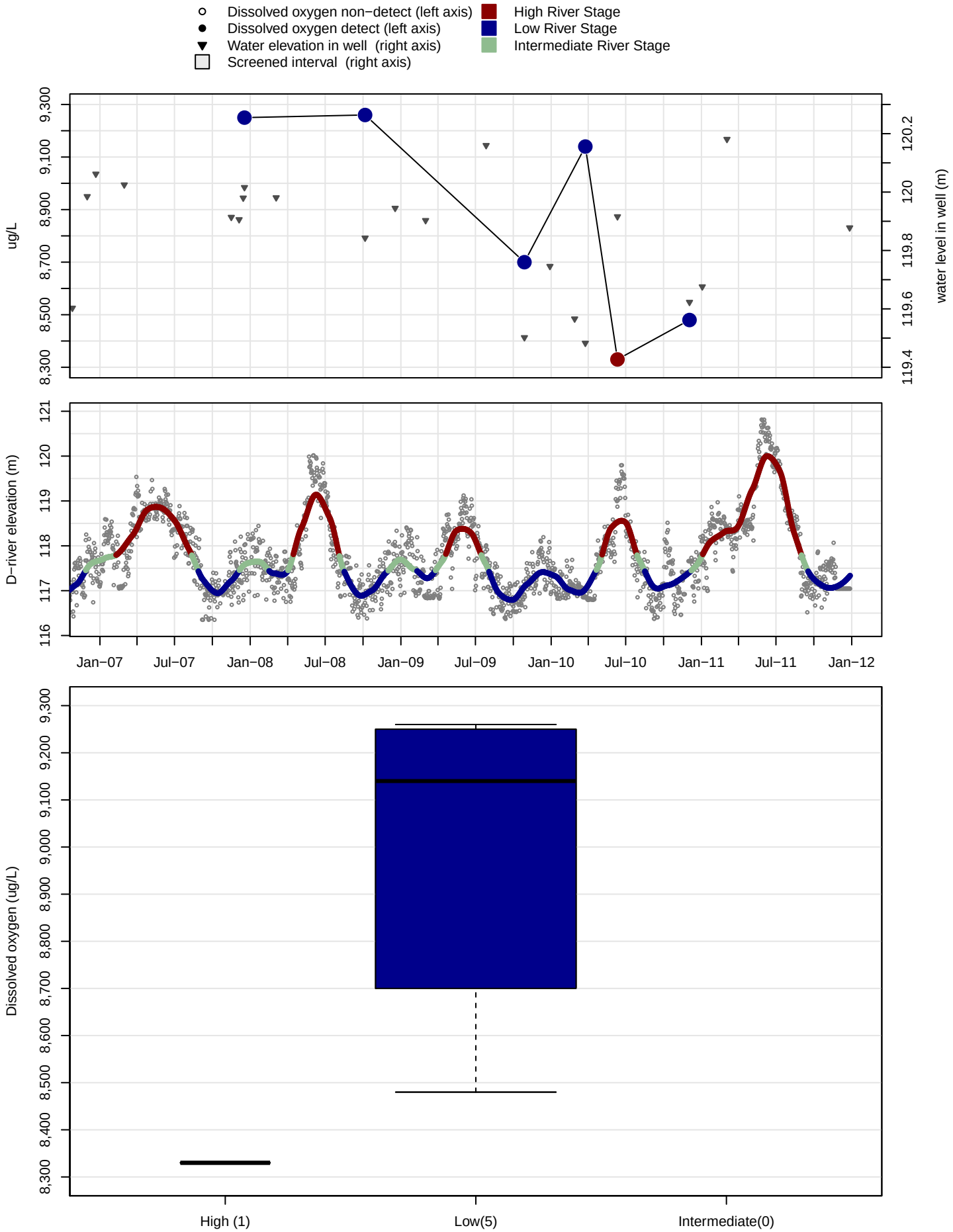
Mann Whitney p = 1e+00 t−test p = 7.9e−01

199−K−109A (485m) Lag (51 Days)



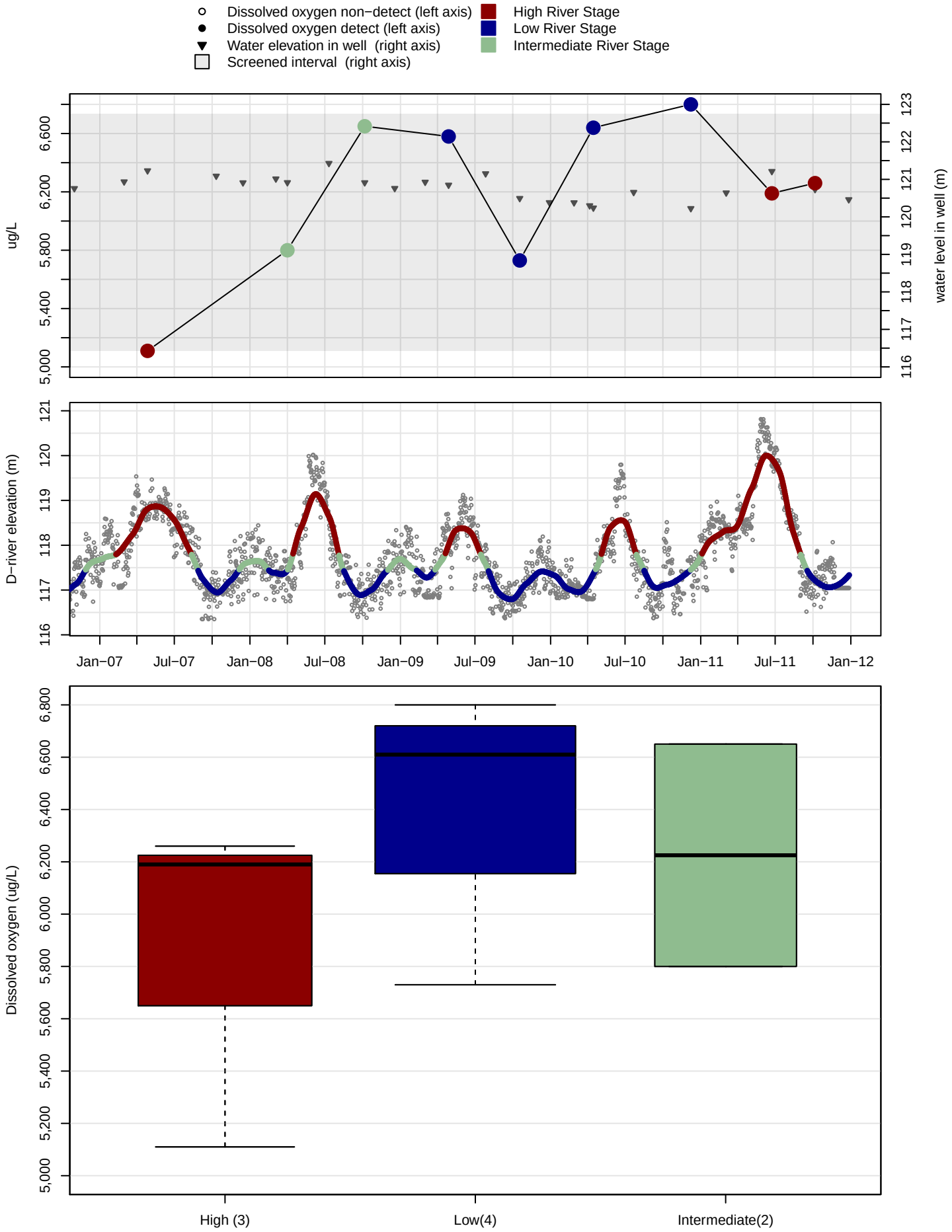
Mann Whitney p = NA t−test p = NA

199−K−11 (478m) Lag (22 Days)



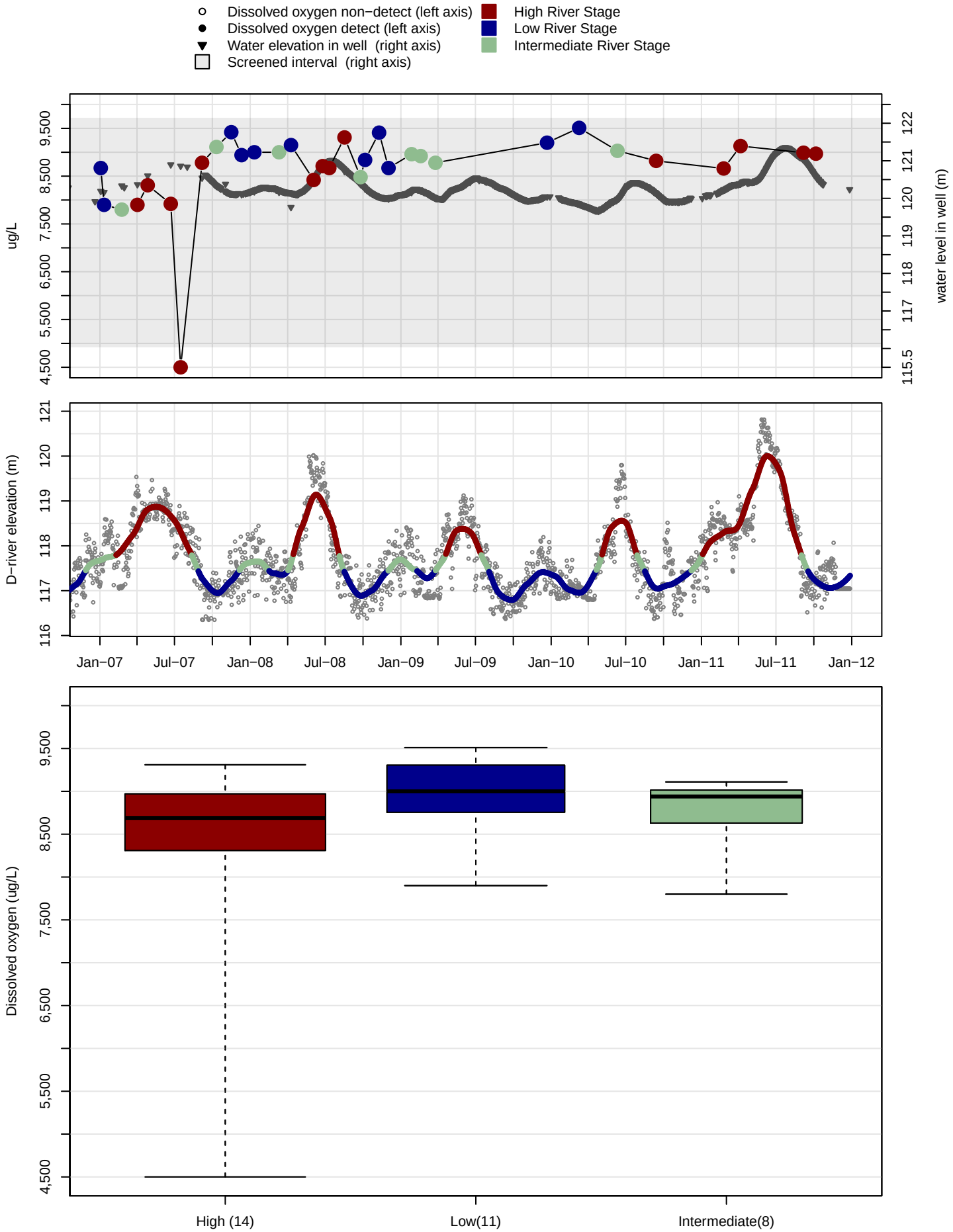
Mann Whitney p = NA t−test p = NA

199−K−110A (613m) Lag (51 Days)



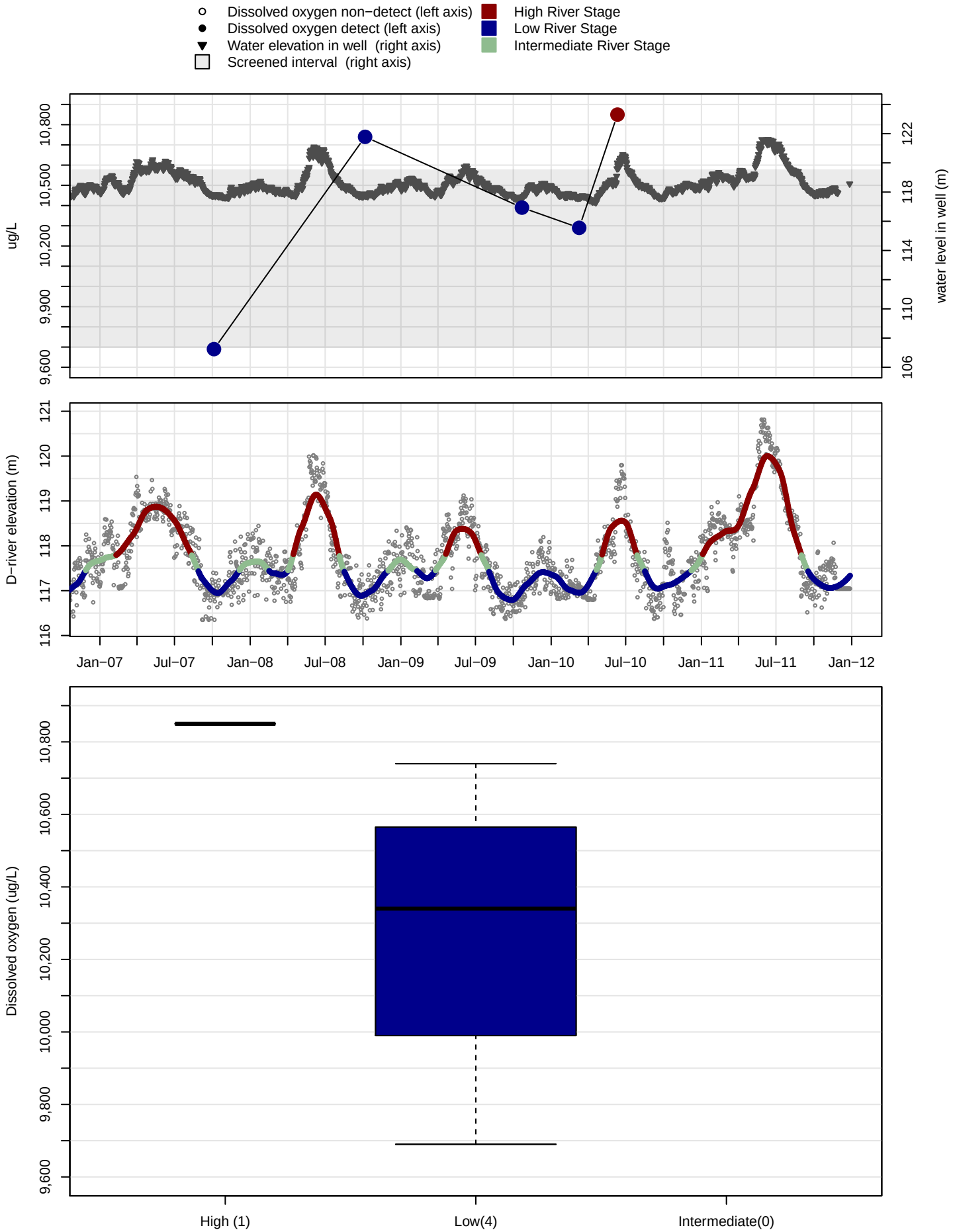
Mann Whitney p = 2.29e−01 t−test p = 2.65e−01

199−K−111A (467m) Lag (46 Days)



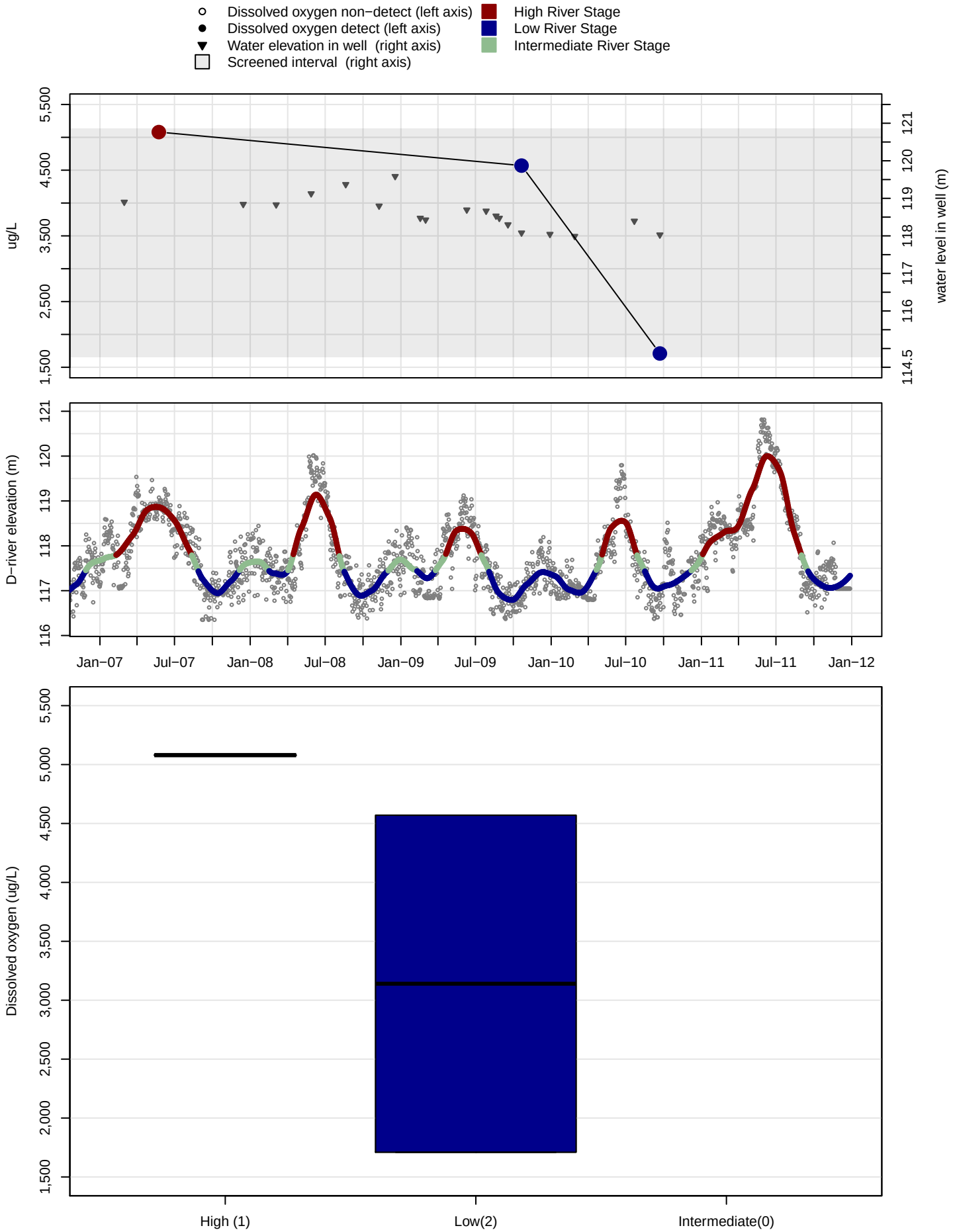
Mann Whitney p = 3.81e−02 t−test p = 9.51e−02

199−K−117A (69m) Lag (8 Days)



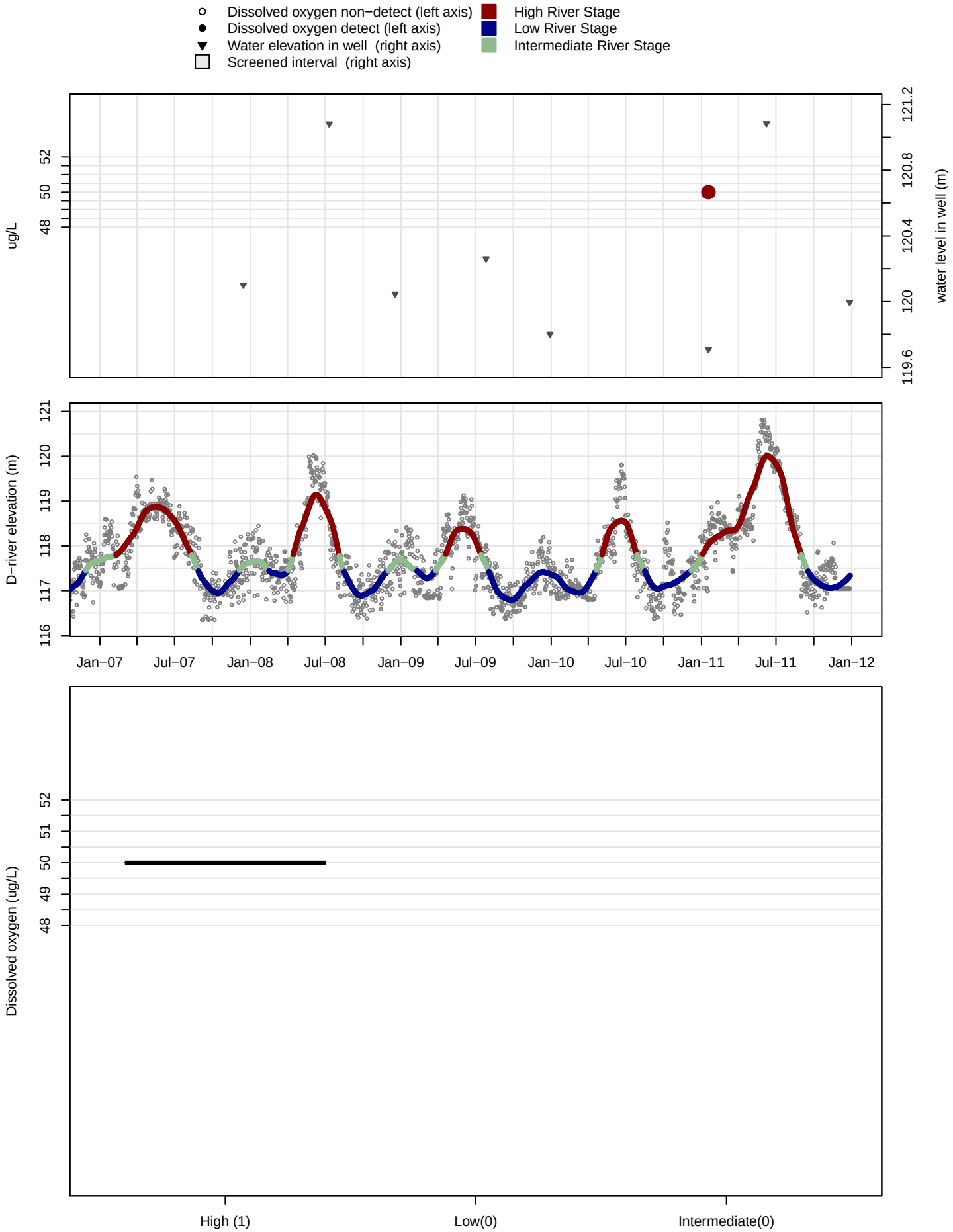
Mann Whitney p = NA t−test p = NA

199−K−126 (290m) Lag (0 Days)



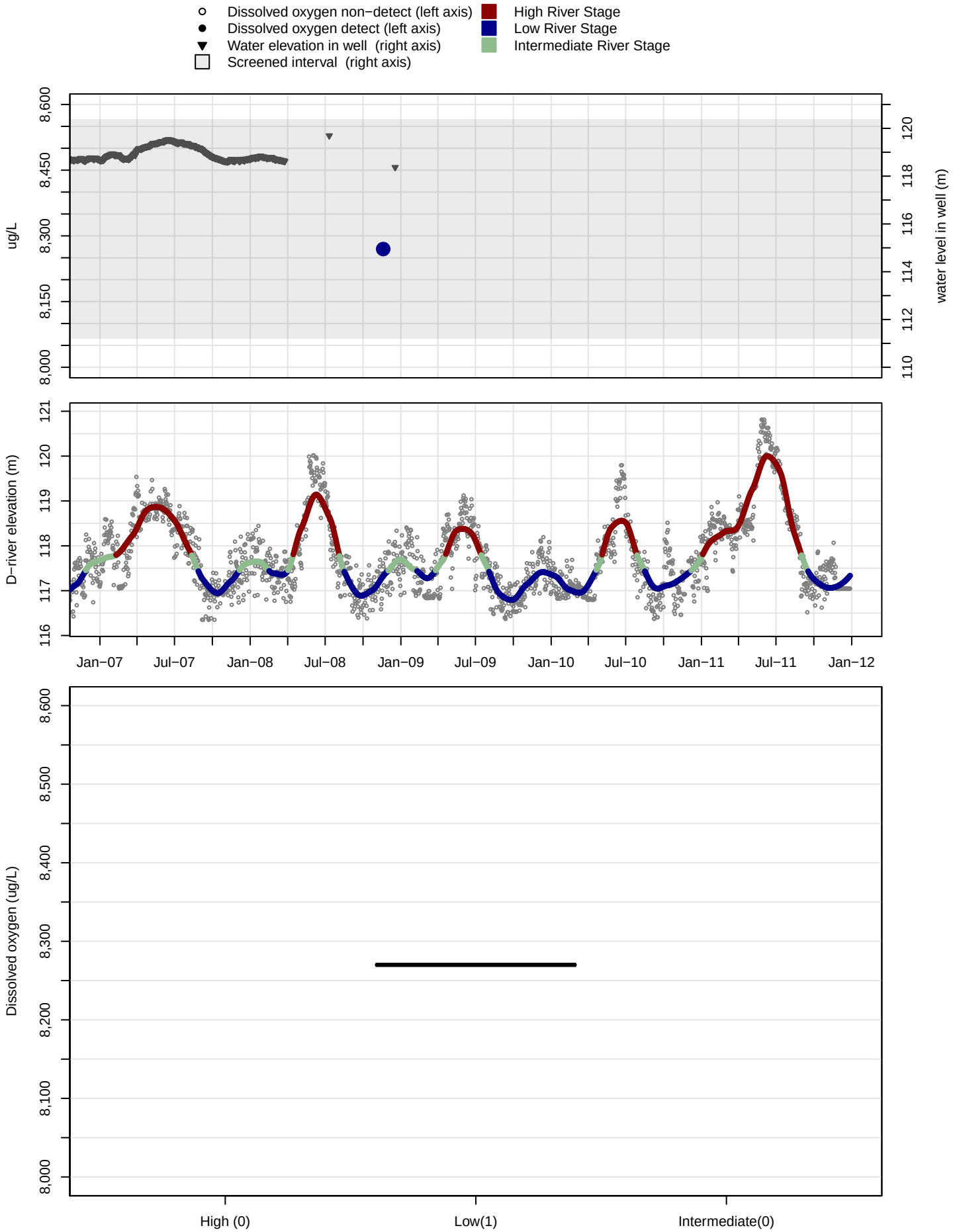
Mann Whitney p = NA t−test p = NA

199−K−13 (479m) Lag (Indeterminate)



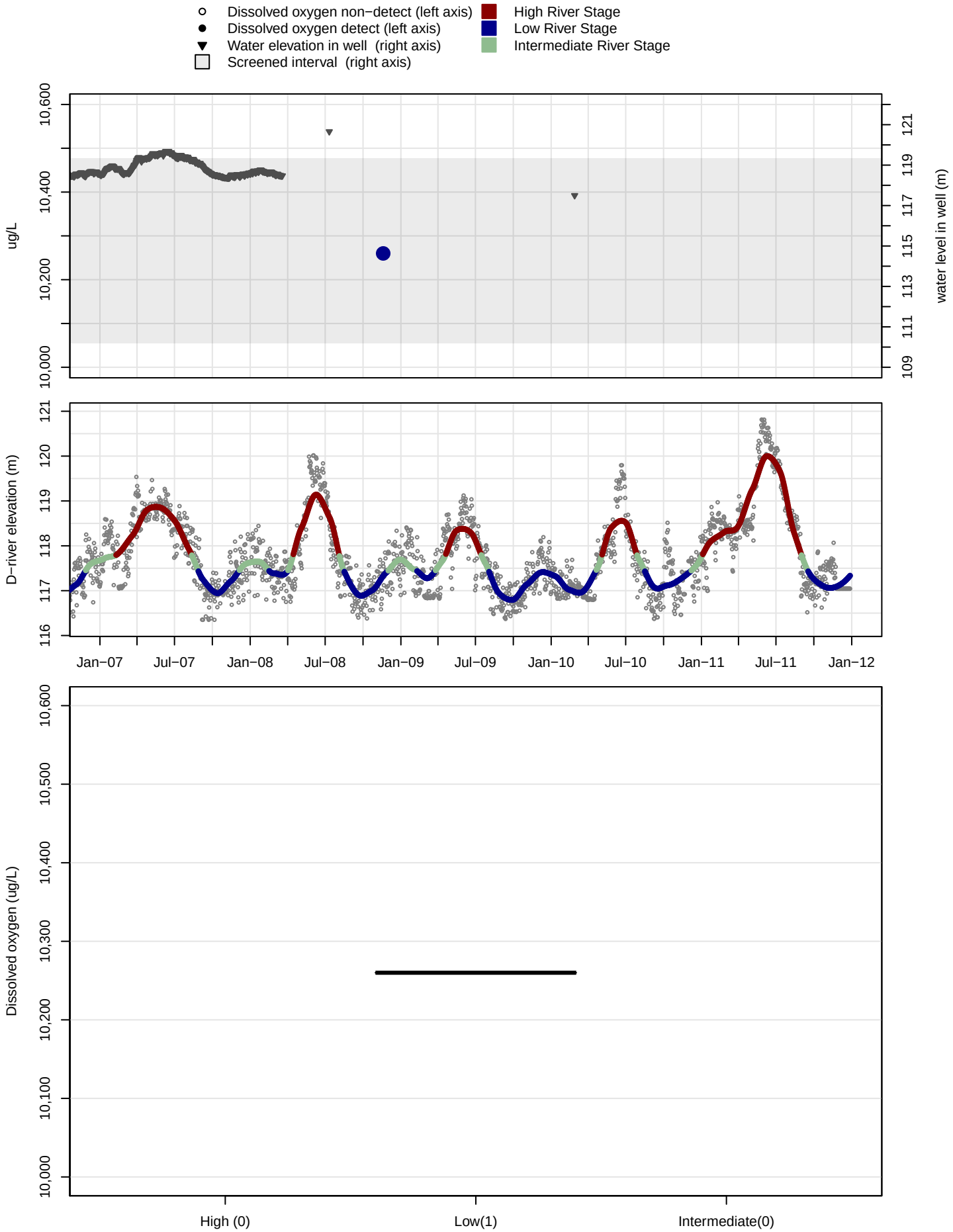
Mann Whitney p = NA t−test p = NA

199−K−130* (119m) Lag (37 Days)



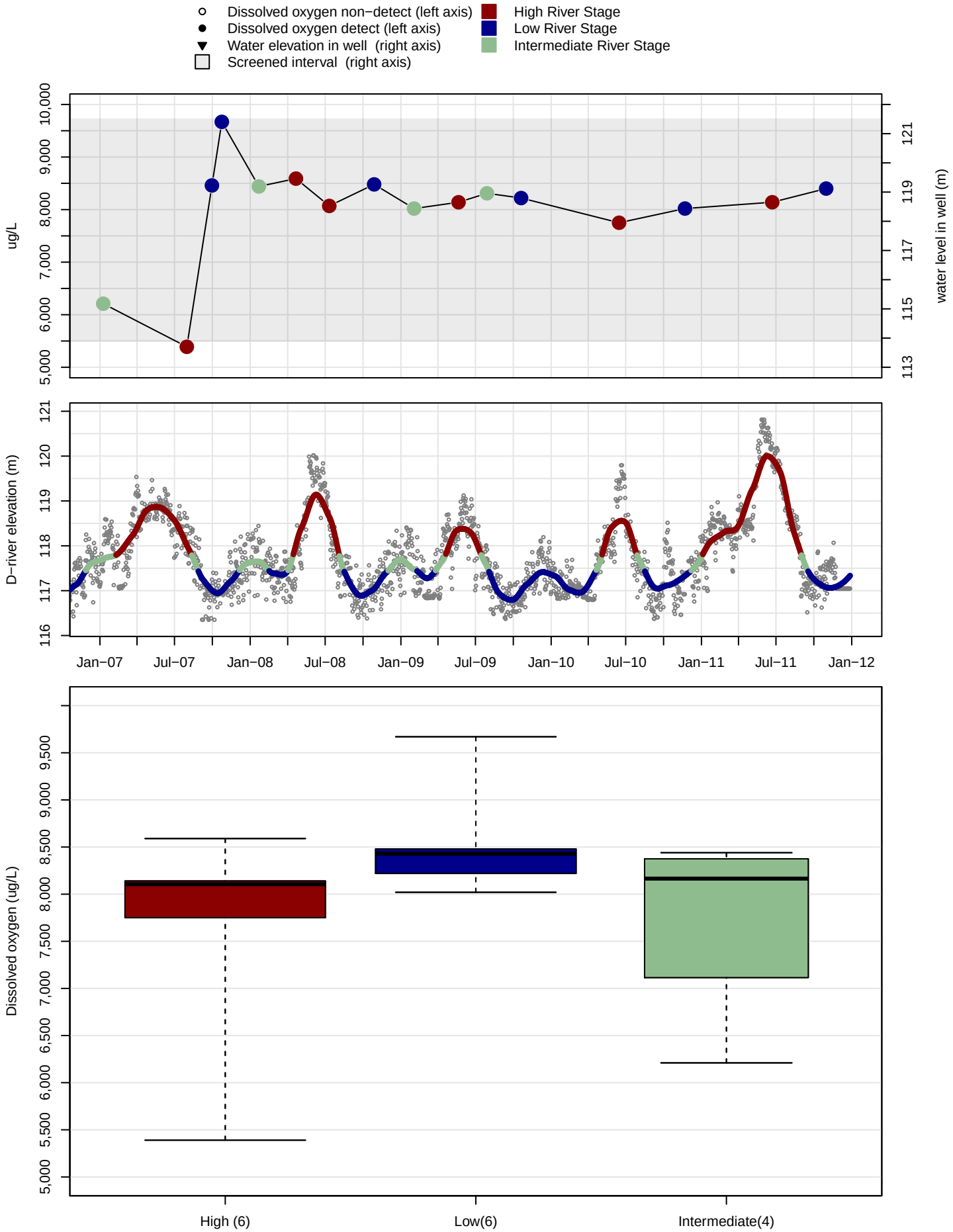
Mann Whitney p = NA t−test p = NA

199−K−131* (123m) Lag (27 Days)



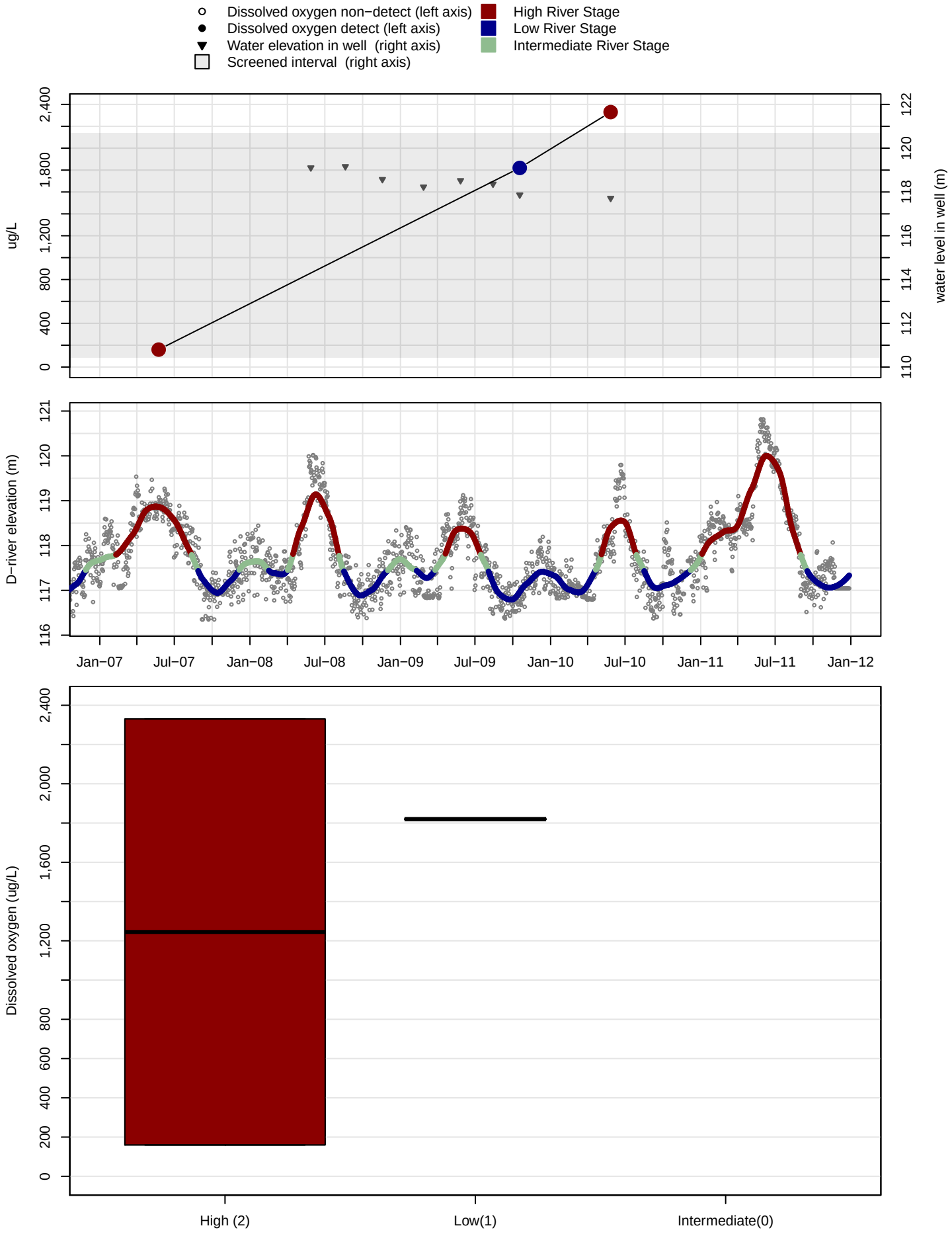
Mann Whitney p = NA t−test p = NA

199−K−132* (181m) Lag (Indeterminate)



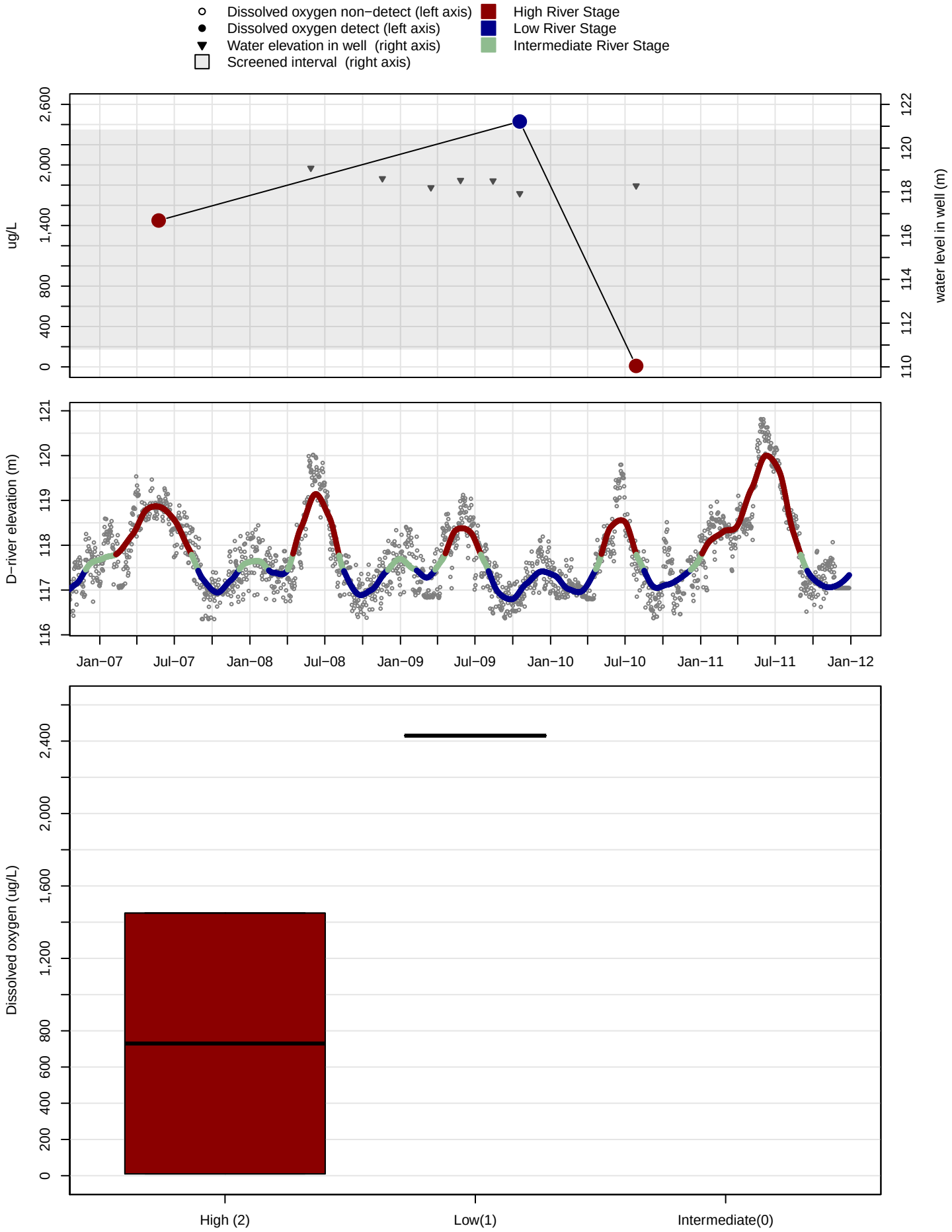
Mann Whitney p = 1.19e−01 t−test p = 1.44e−01

199−K−133 (261m) Lag (Indeterminate)



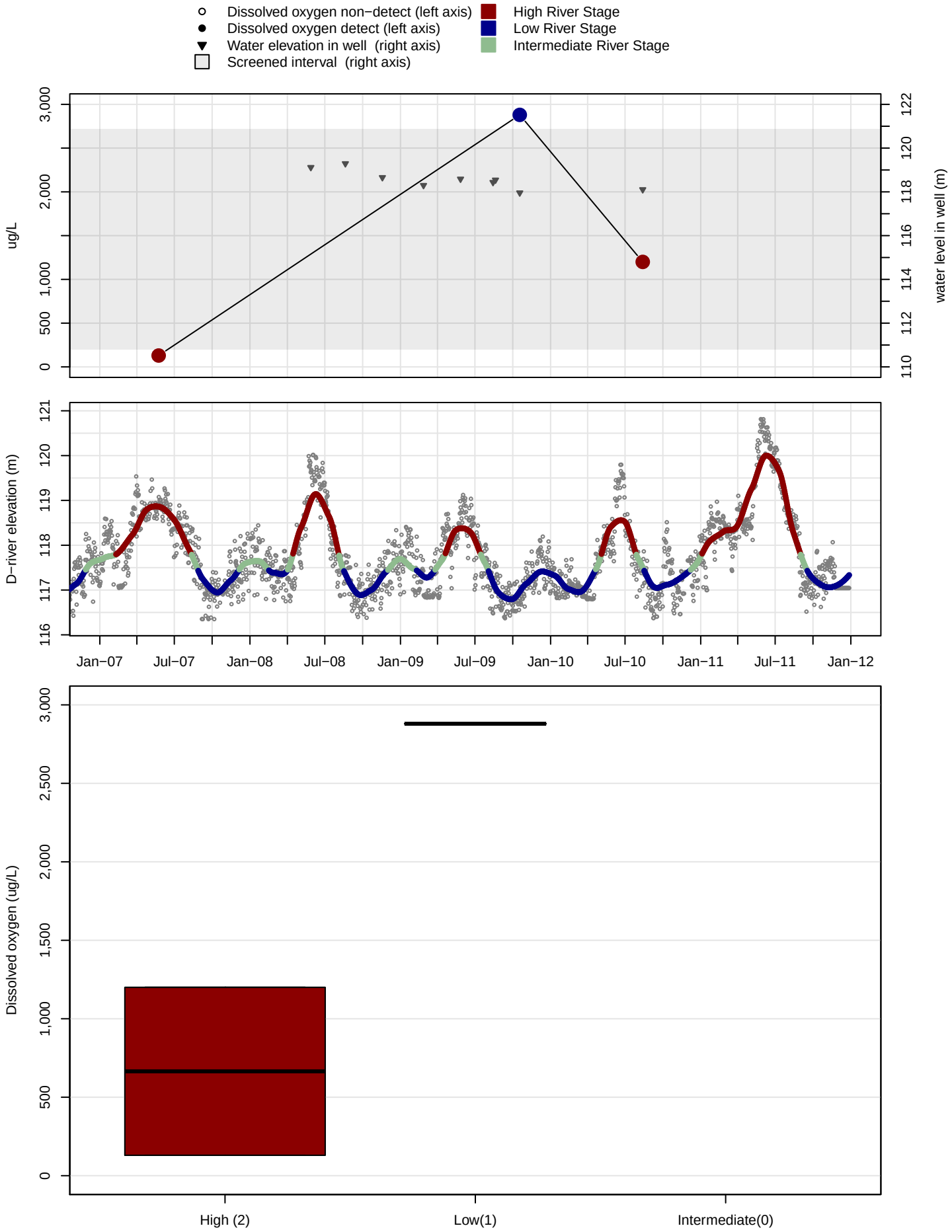
Mann Whitney p = NA t−test p = NA

199−K−134 (298m) Lag (Indeterminate)



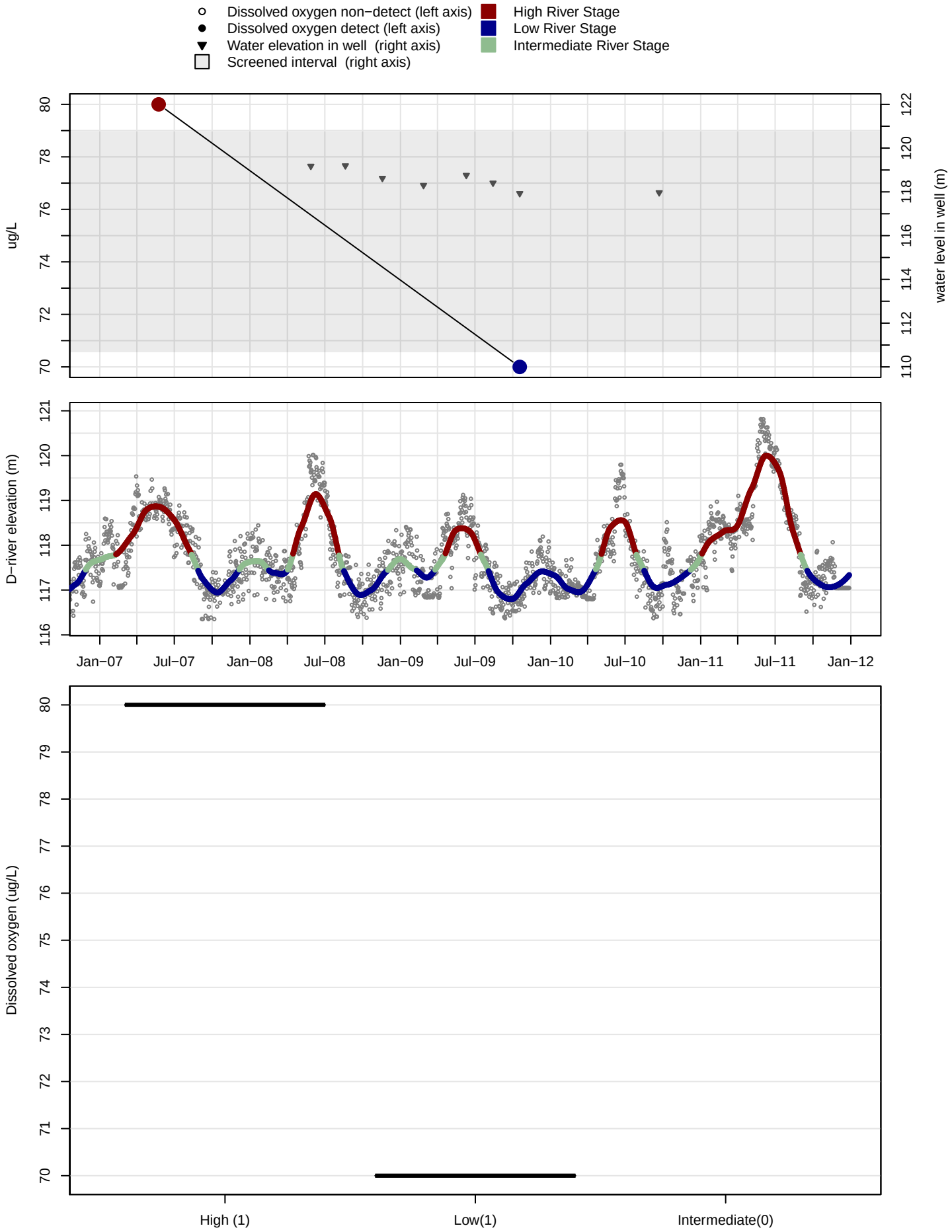
Mann Whitney p = NA t−test p = NA

199−K−135 (319m) Lag (22 Days)



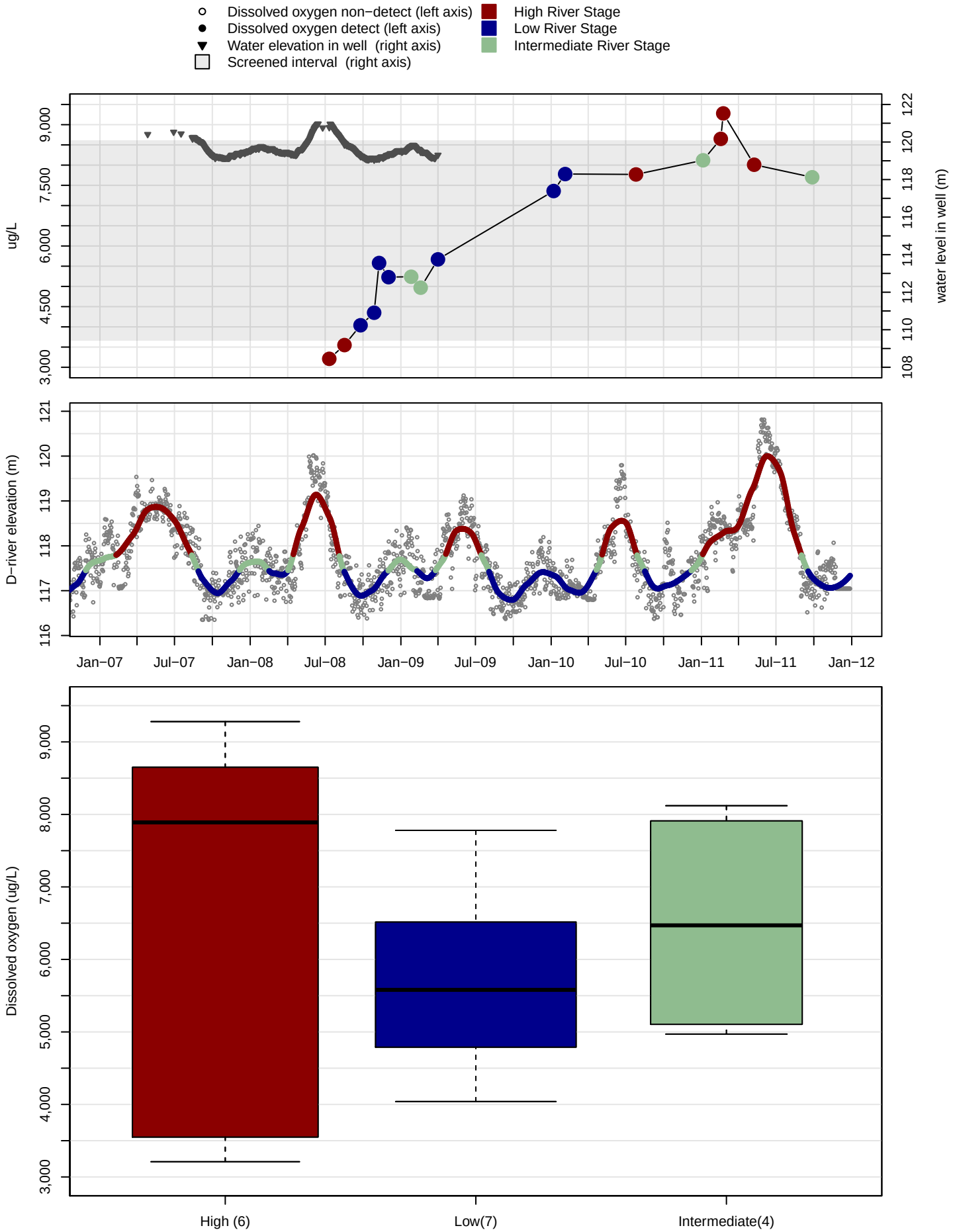
Mann Whitney p = NA t−test p = NA

199−K−136 (281m) Lag (Indeterminate)



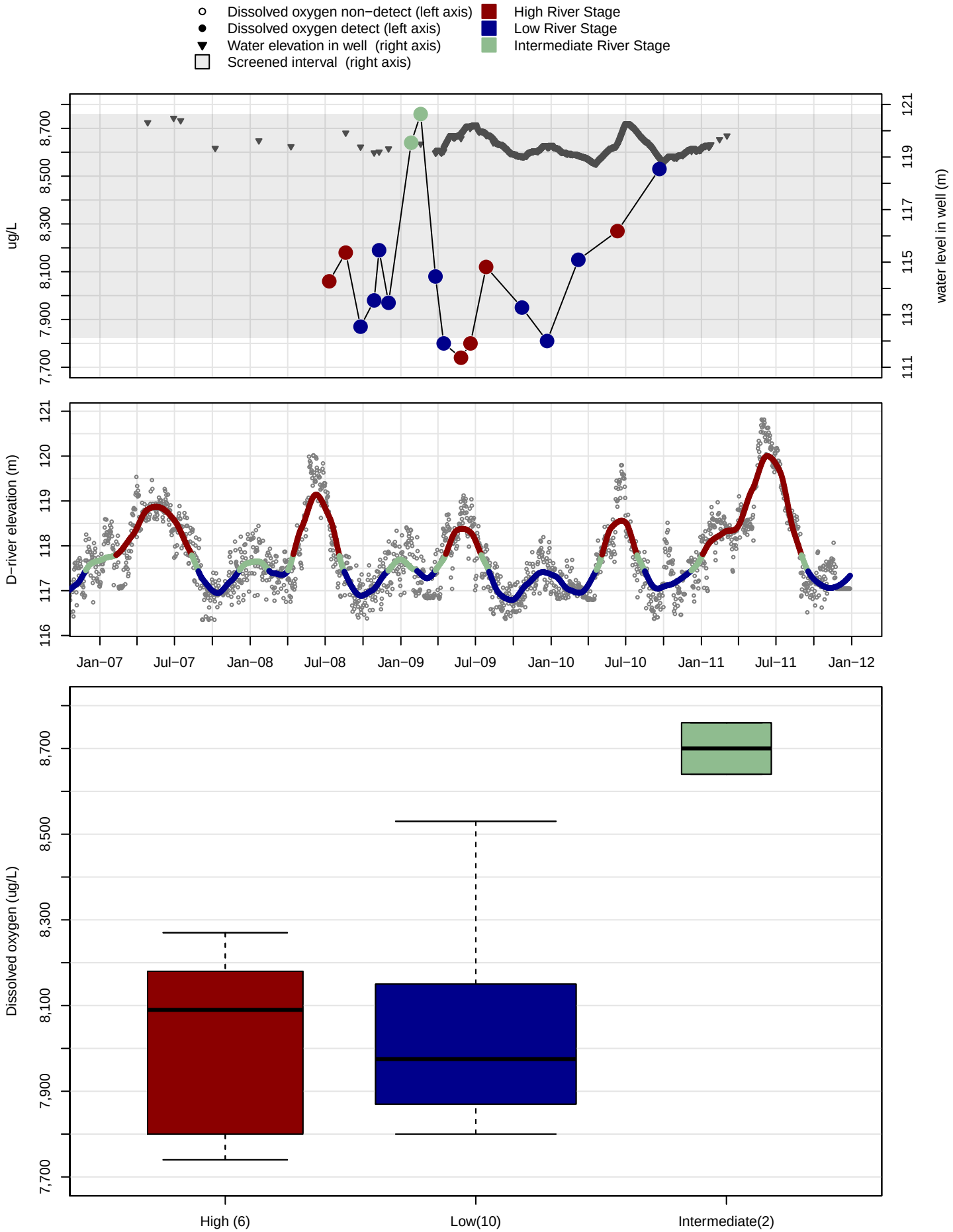
Mann Whitney p = NA t−test p = NA

199−K−141* (366m) Lag (22 Days)



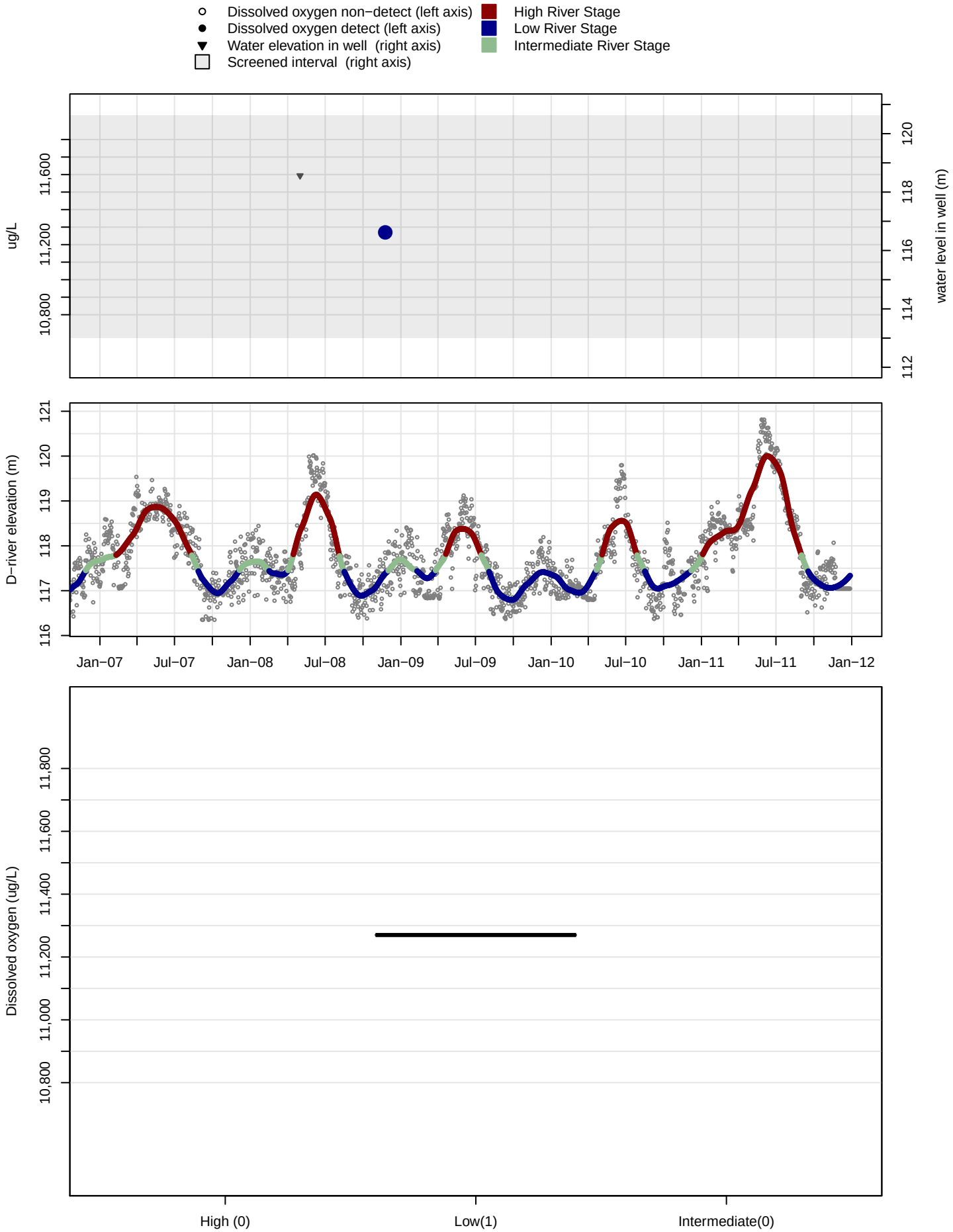
Mann Whitney p = 4.45e−01 t−test p = 4.22e−01

199−K−142 (391m) Lag (25 Days)



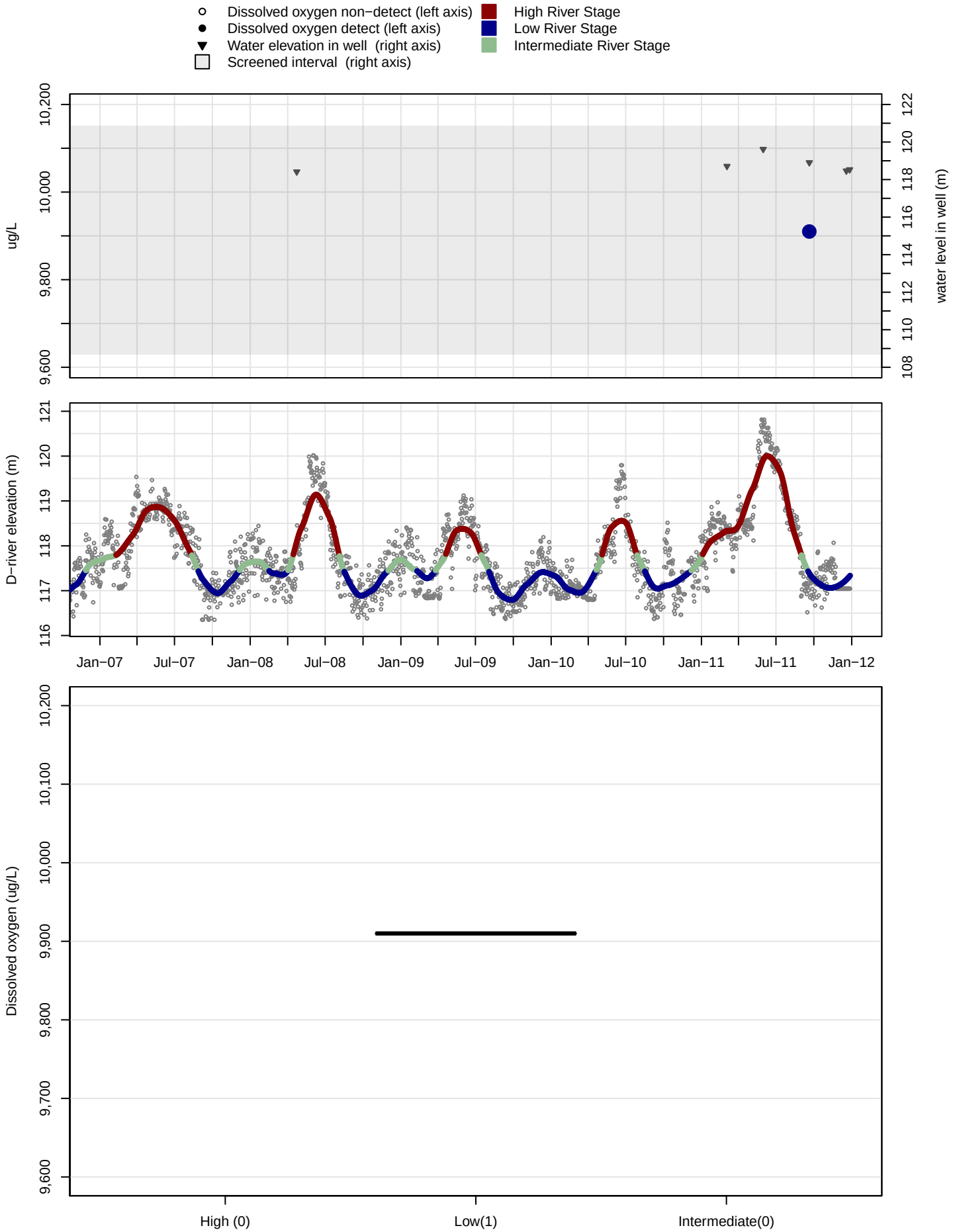
Mann Whitney p = 9.81e−01 t−test p = 9.67e−01

199−K−146* (100m) Lag (Indeterminate)



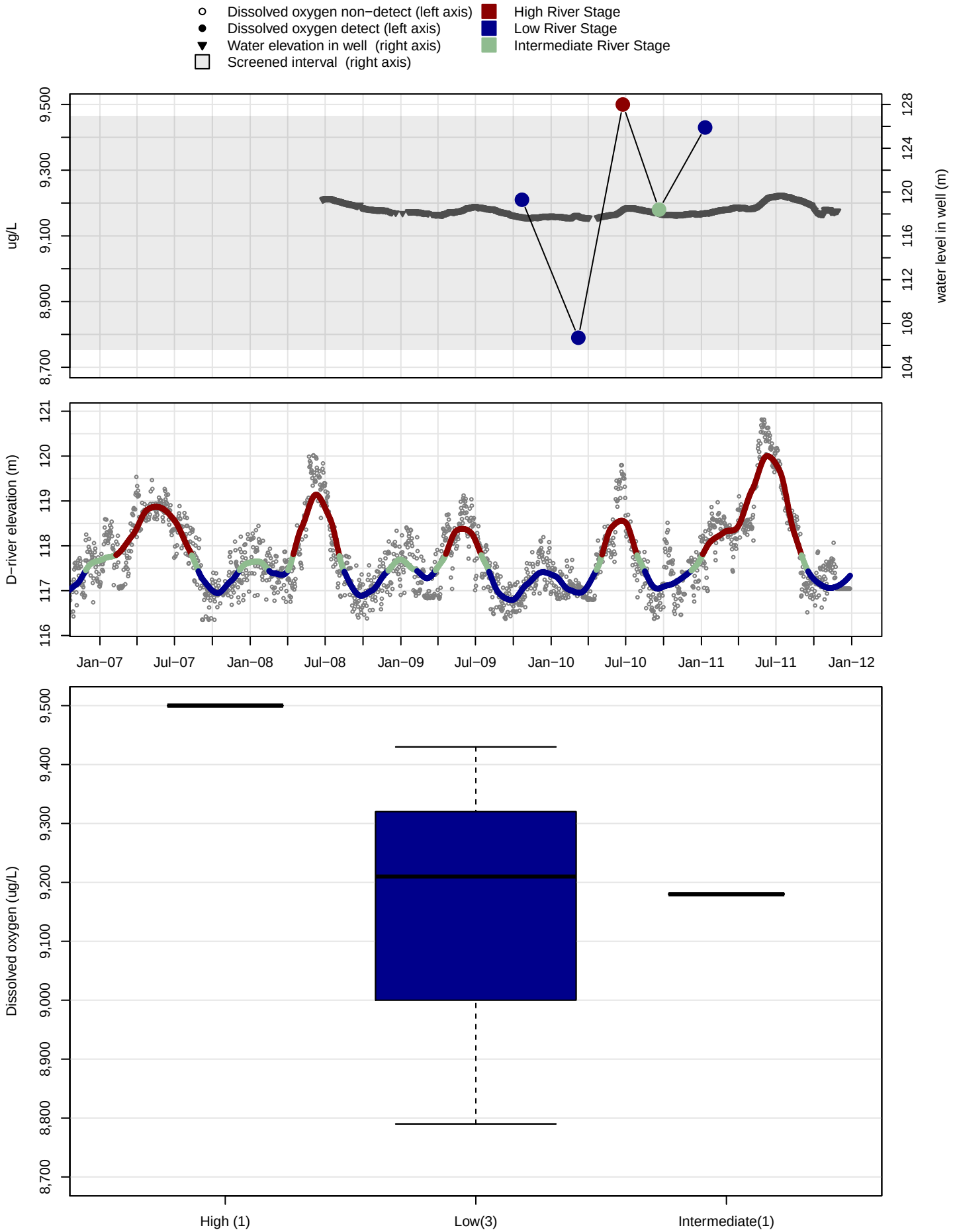
Mann Whitney p = NA t−test p = NA

199−K−149* (141m) Lag (Indeterminate)



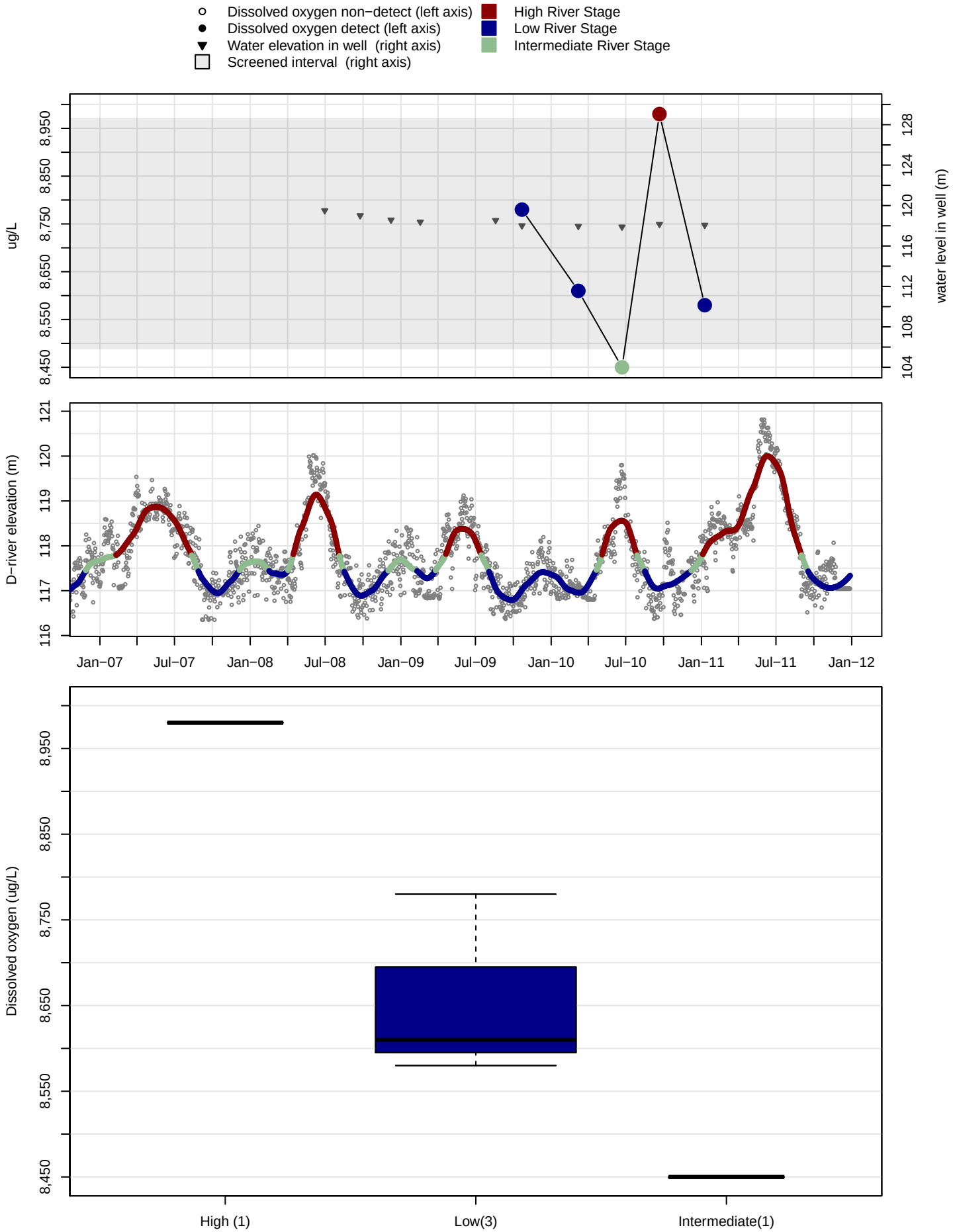
Mann Whitney p = NA t−test p = NA

199−K−151 (461m) Lag (40 Days)



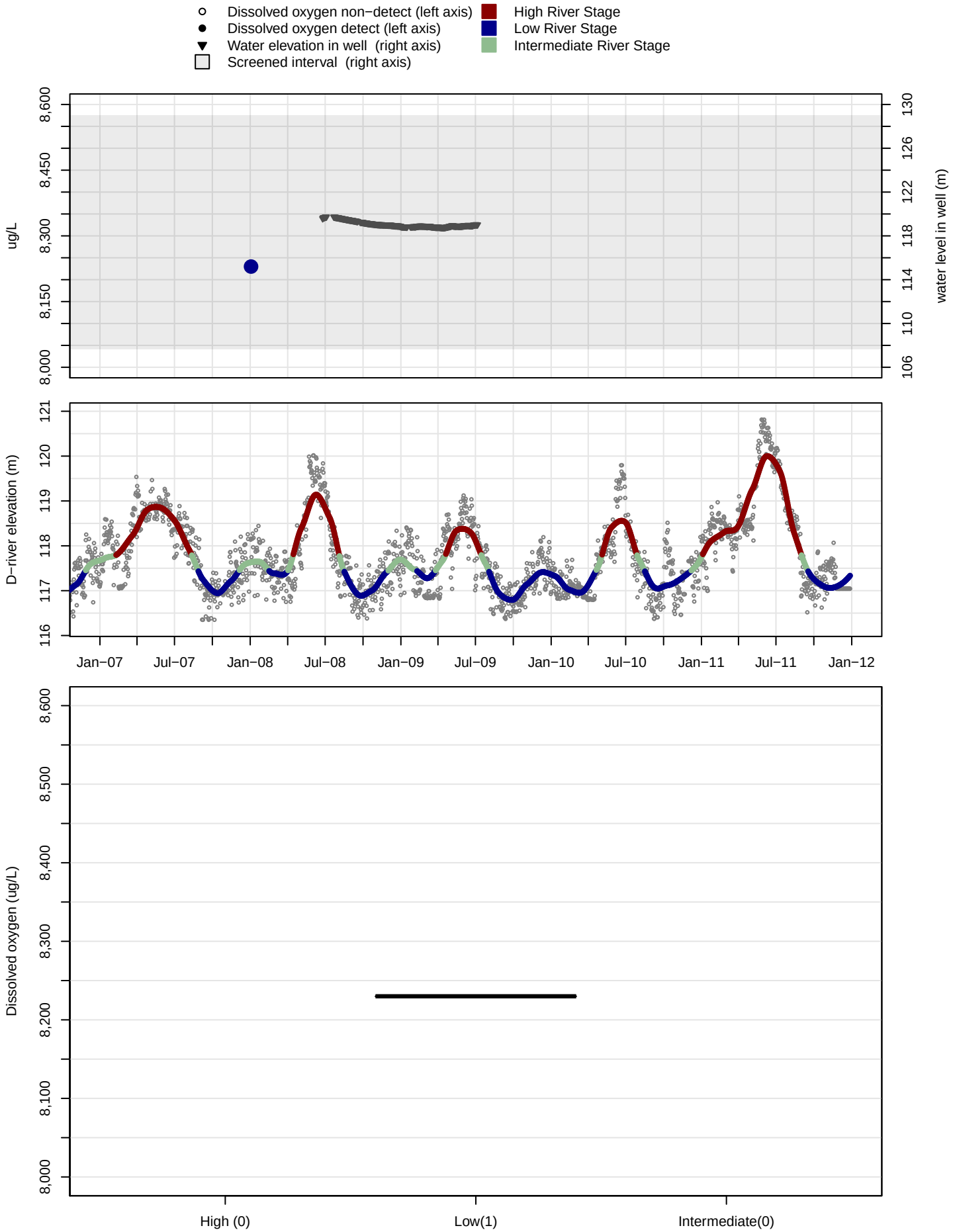
Mann Whitney p = NA t−test p = NA

199−K−152* (373m) Lag (54 Days)



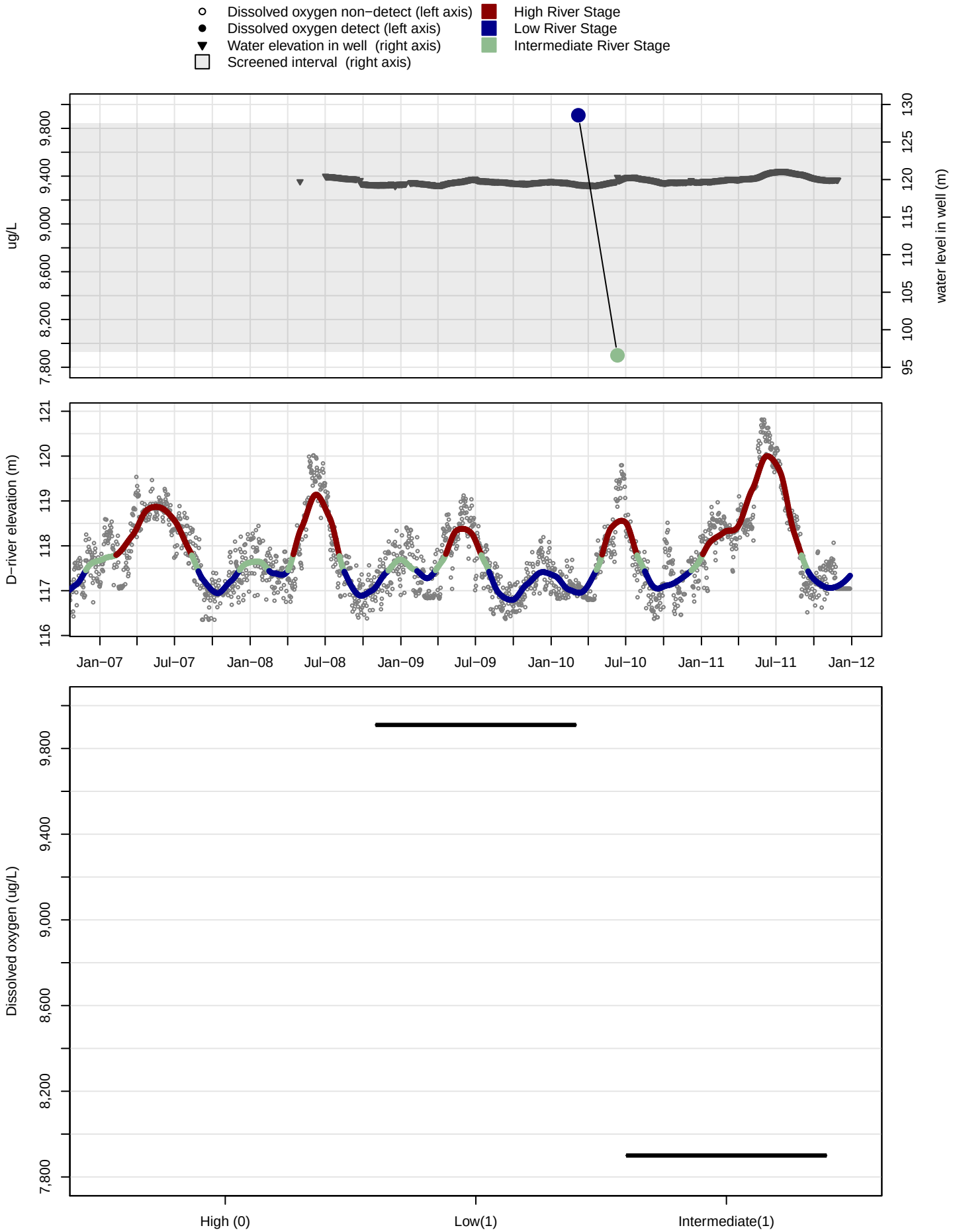
Mann Whitney p = NA t−test p = NA

199−K−153* (455m) Lag (63 Days)



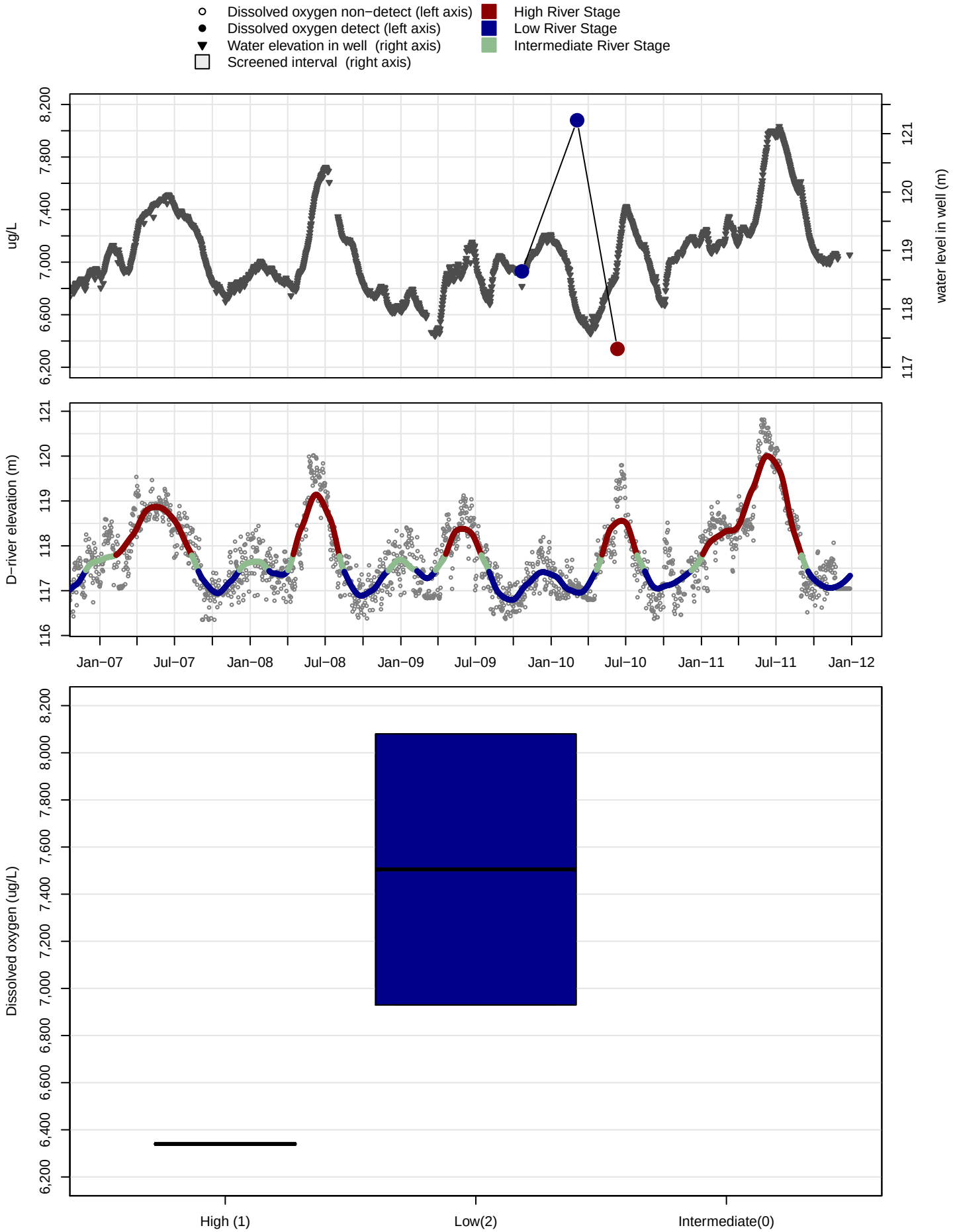
Mann Whitney p = NA t−test p = NA

199−K−157 (445m) Lag (37 Days)



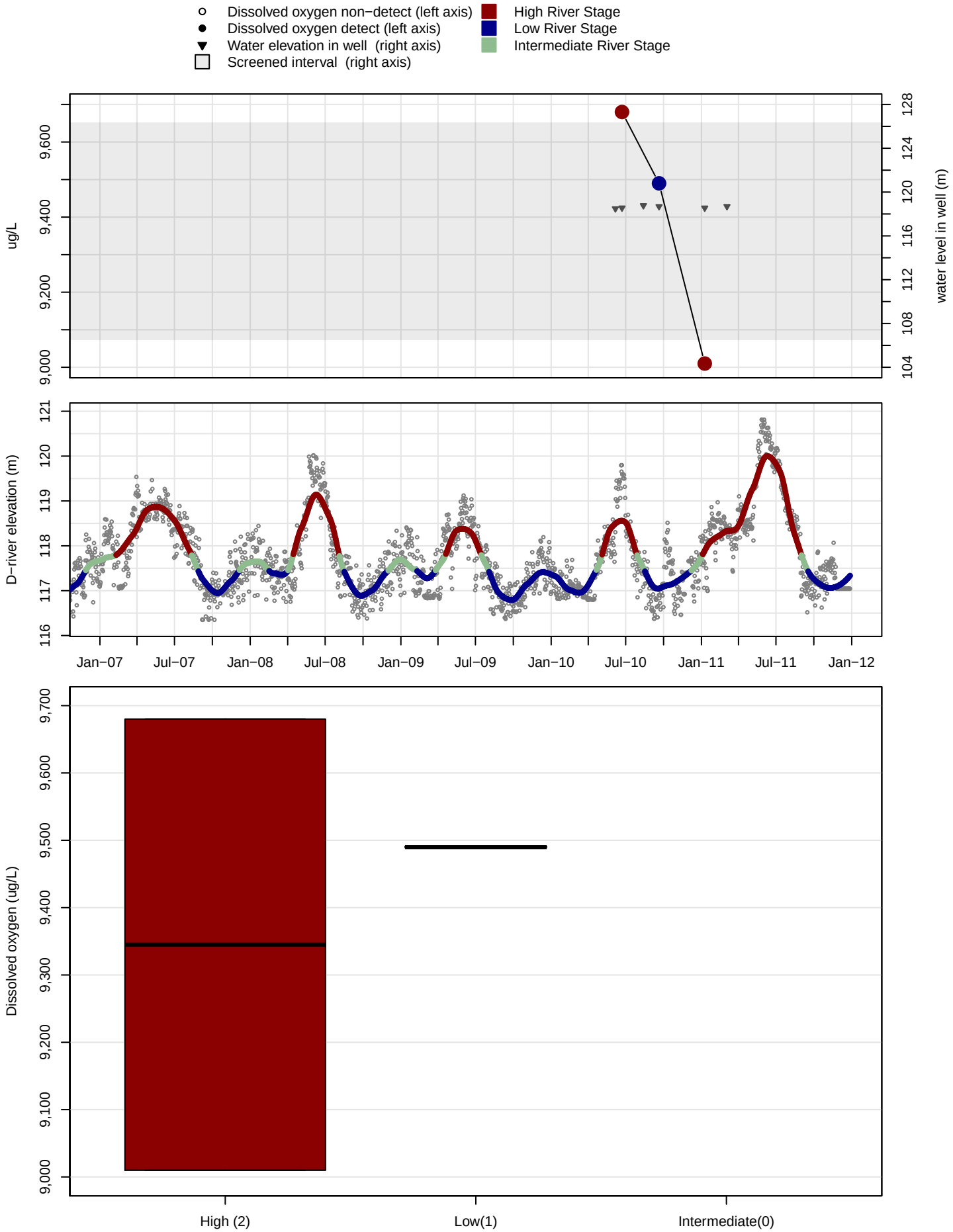
Mann Whitney p = NA t−test p = NA

199−K−18 (235m) Lag (26 Days)



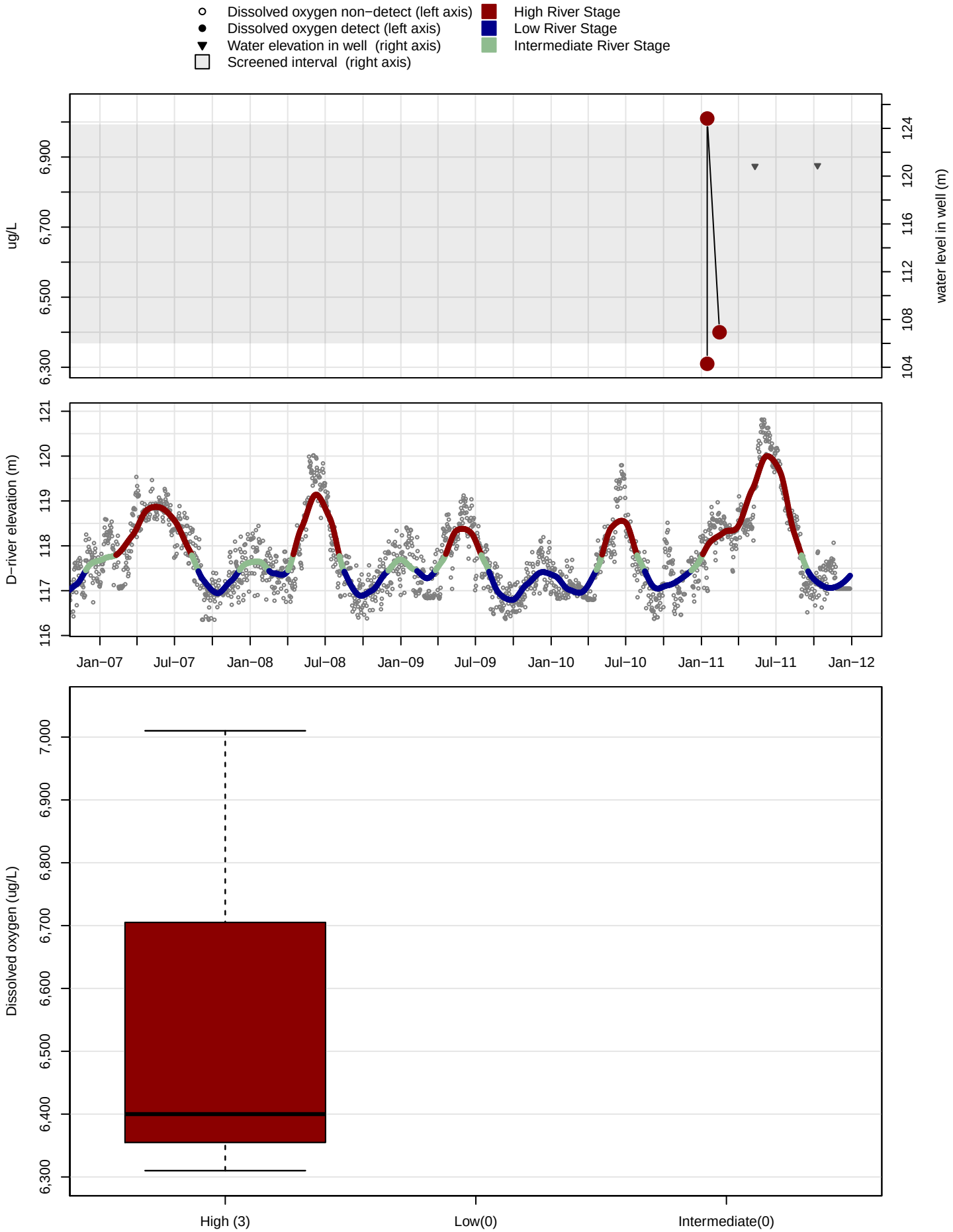
Mann Whitney p = NA t−test p = NA

199−K−182* (866m) Lag (Indeterminate)



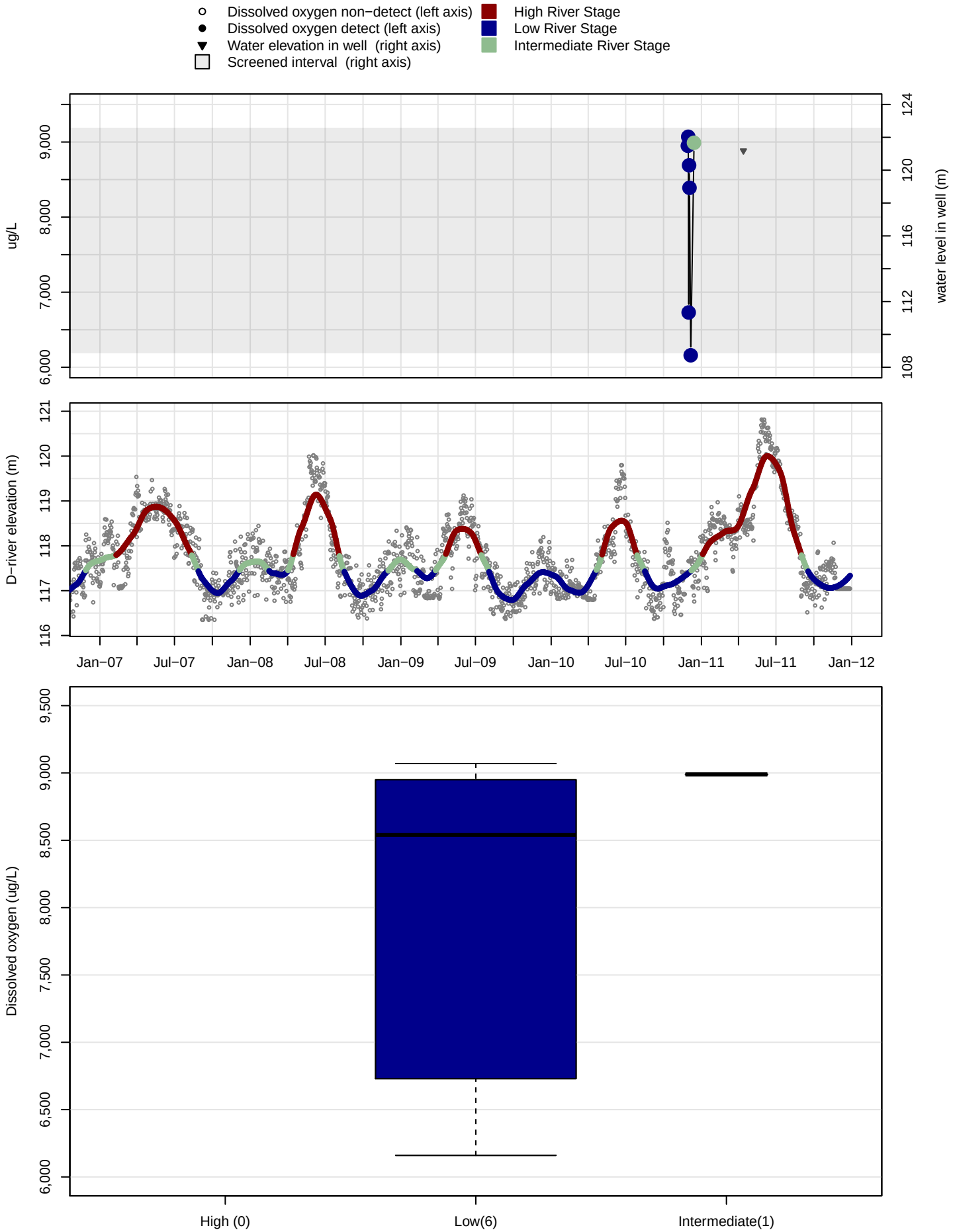
Mann Whitney p = NA t−test p = NA

199−K−186 (634m) Lag (Indeterminate)



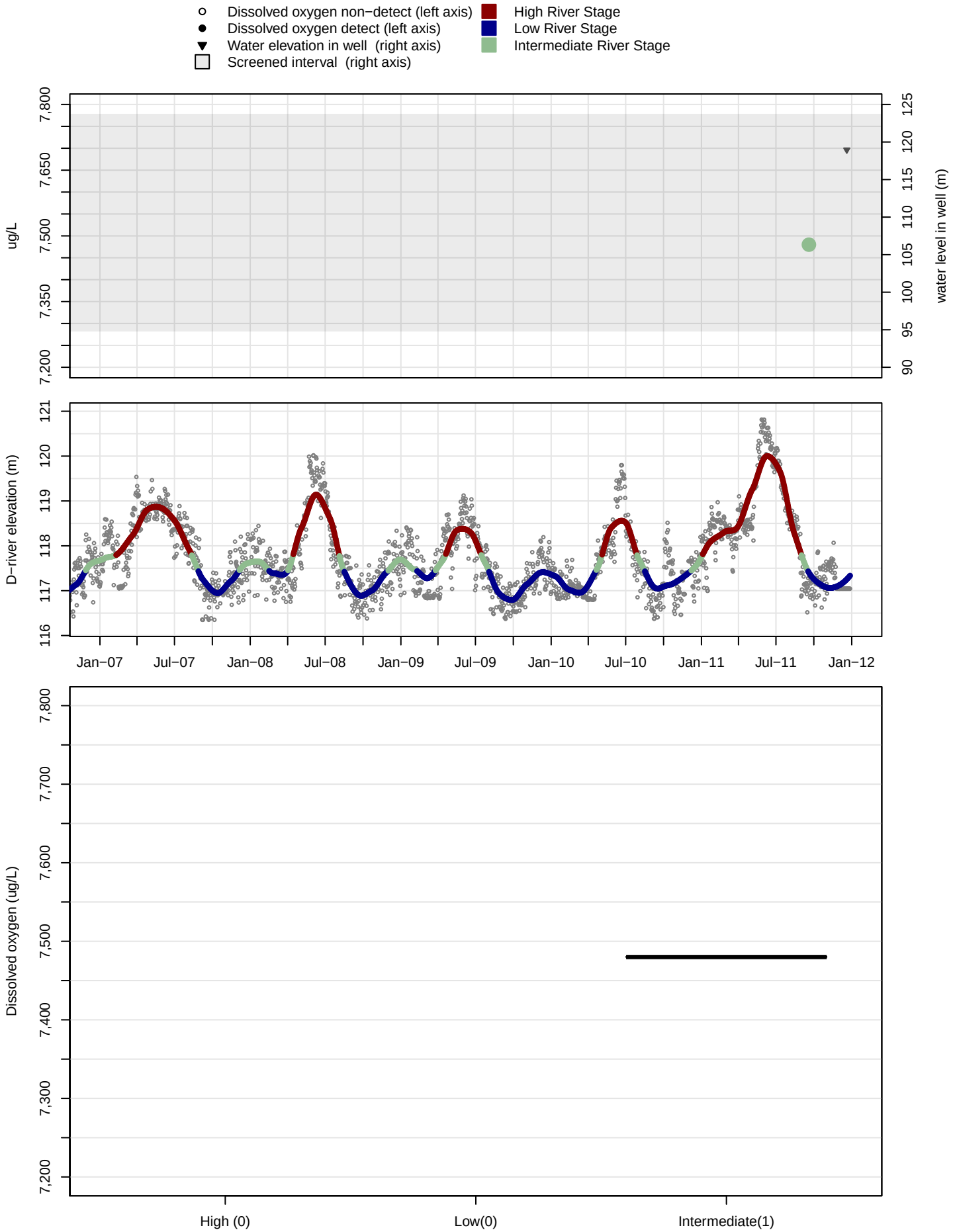
Mann Whitney p = NA t−test p = NA

199−K−195 (850m) Lag (Indeterminate)



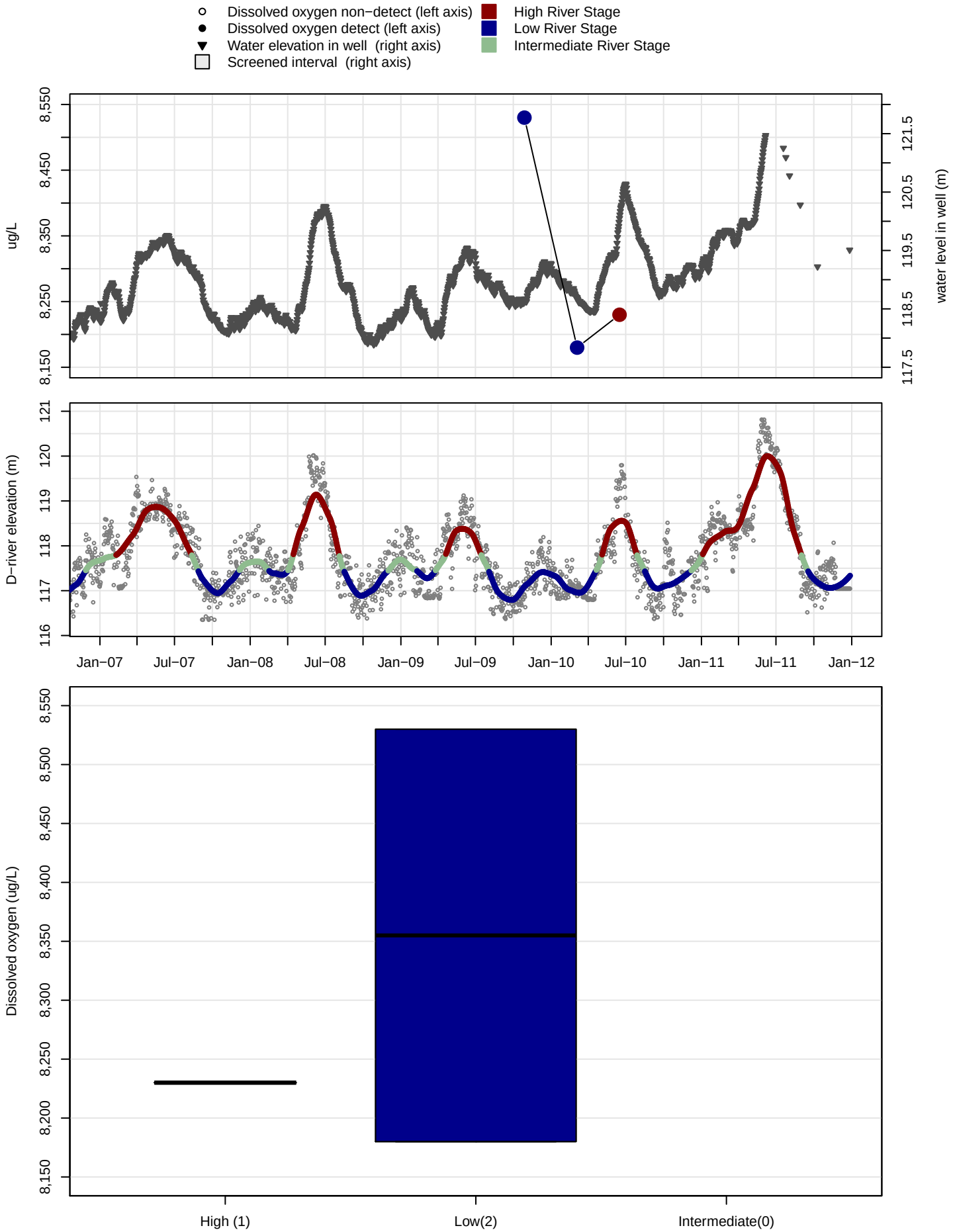
Mann Whitney p = NA t−test p = NA

199−K−196 (168m) Lag (Indeterminate)



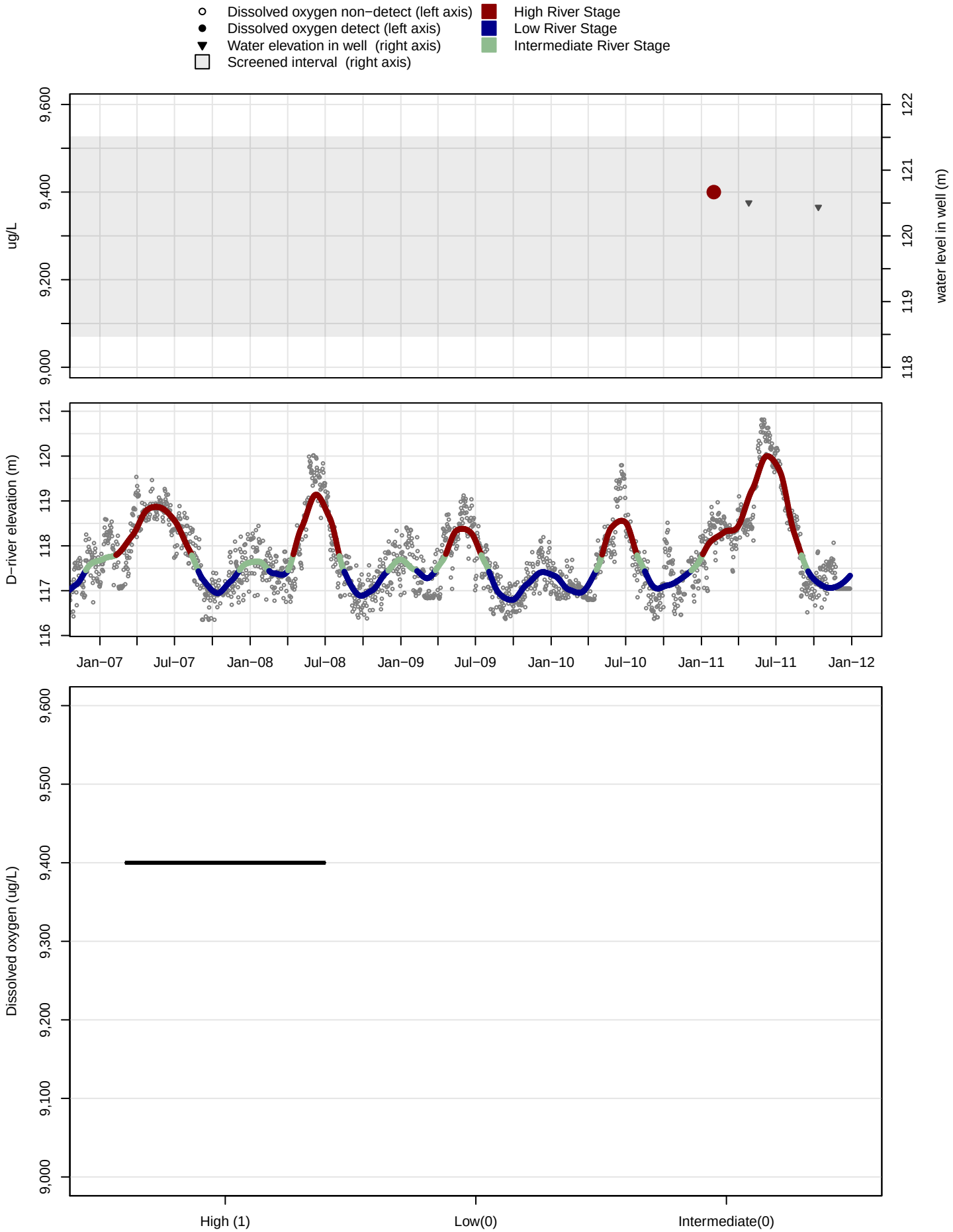
Mann Whitney p = NA t−test p = NA

199−K−20 (134m) Lag (17 Days)



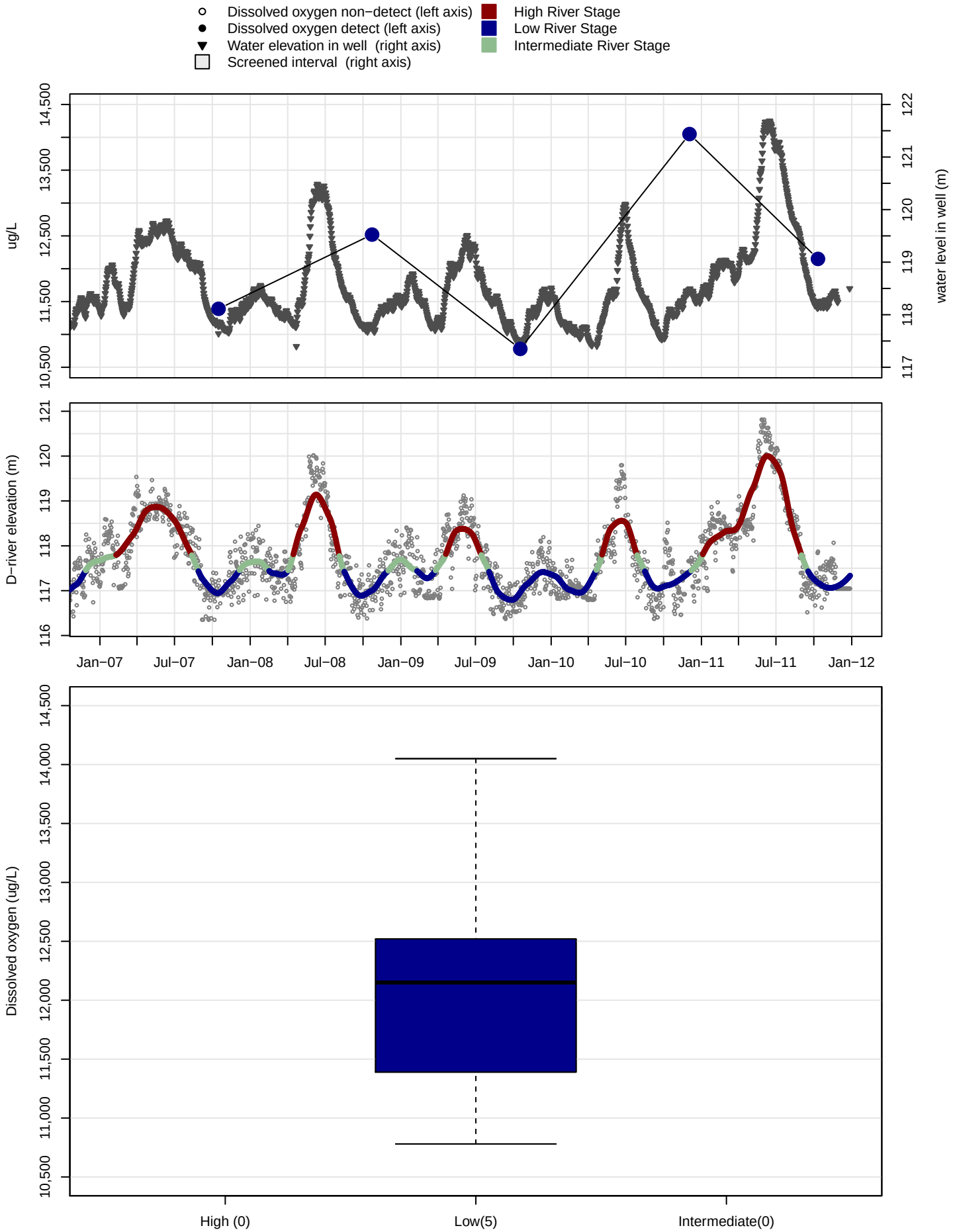
Mann Whitney p = NA t−test p = NA

199−K−200 (386m) Lag (Indeterminate)



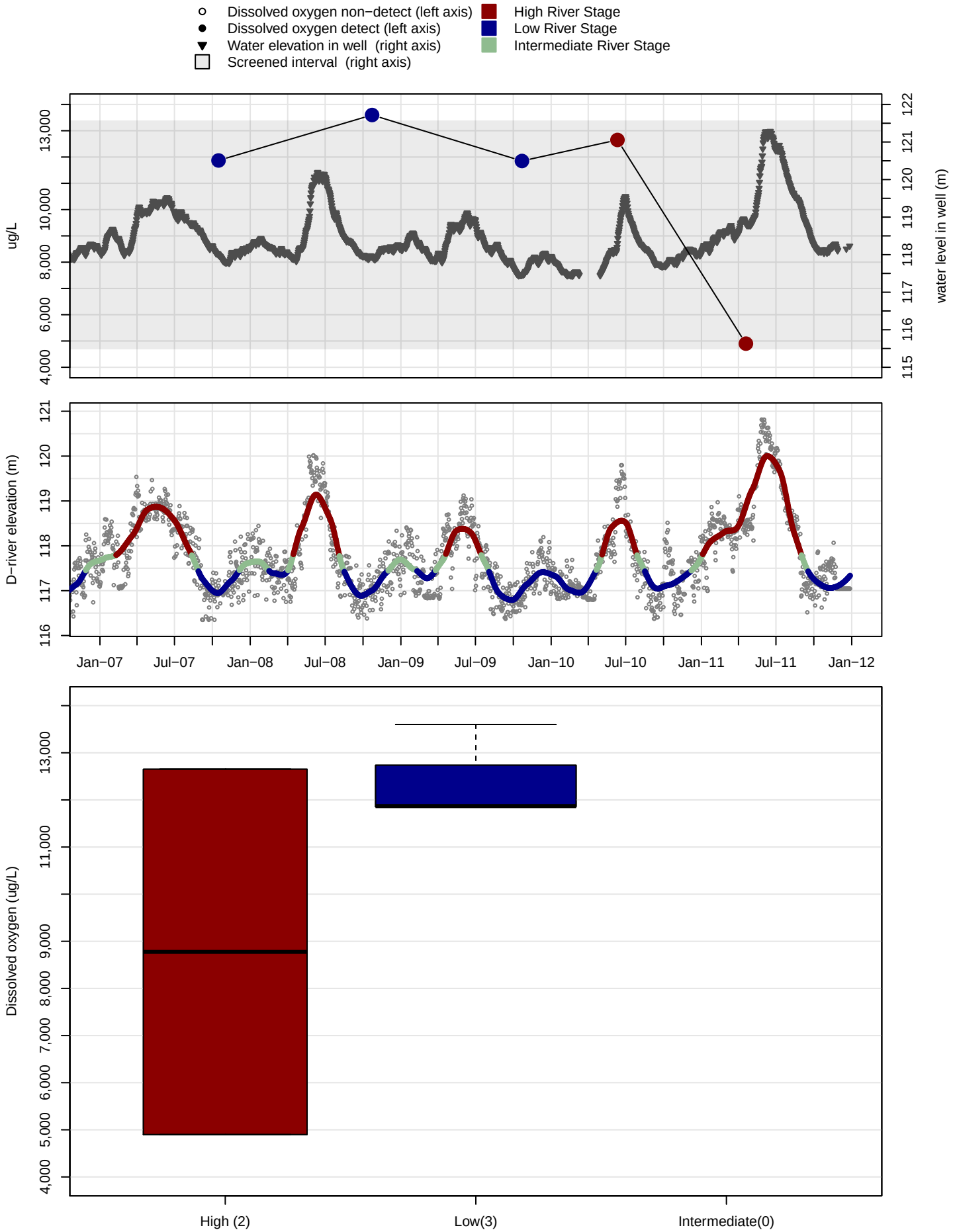
Mann Whitney p = NA t−test p = NA

199−K−21 (145m) Lag (14 Days)



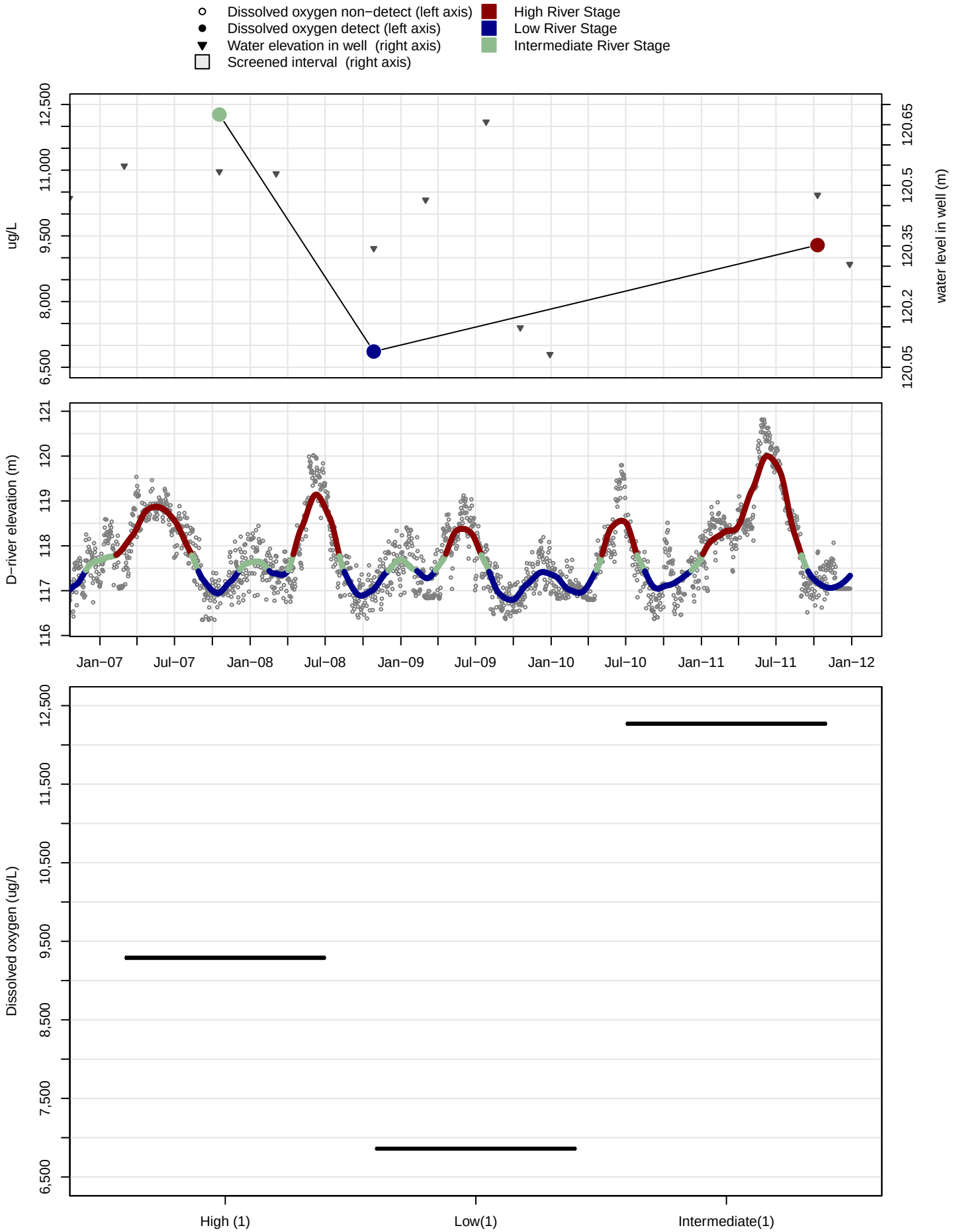
Mann Whitney p = NA t−test p = NA

199−K−22 (218m) Lag (18 Days)



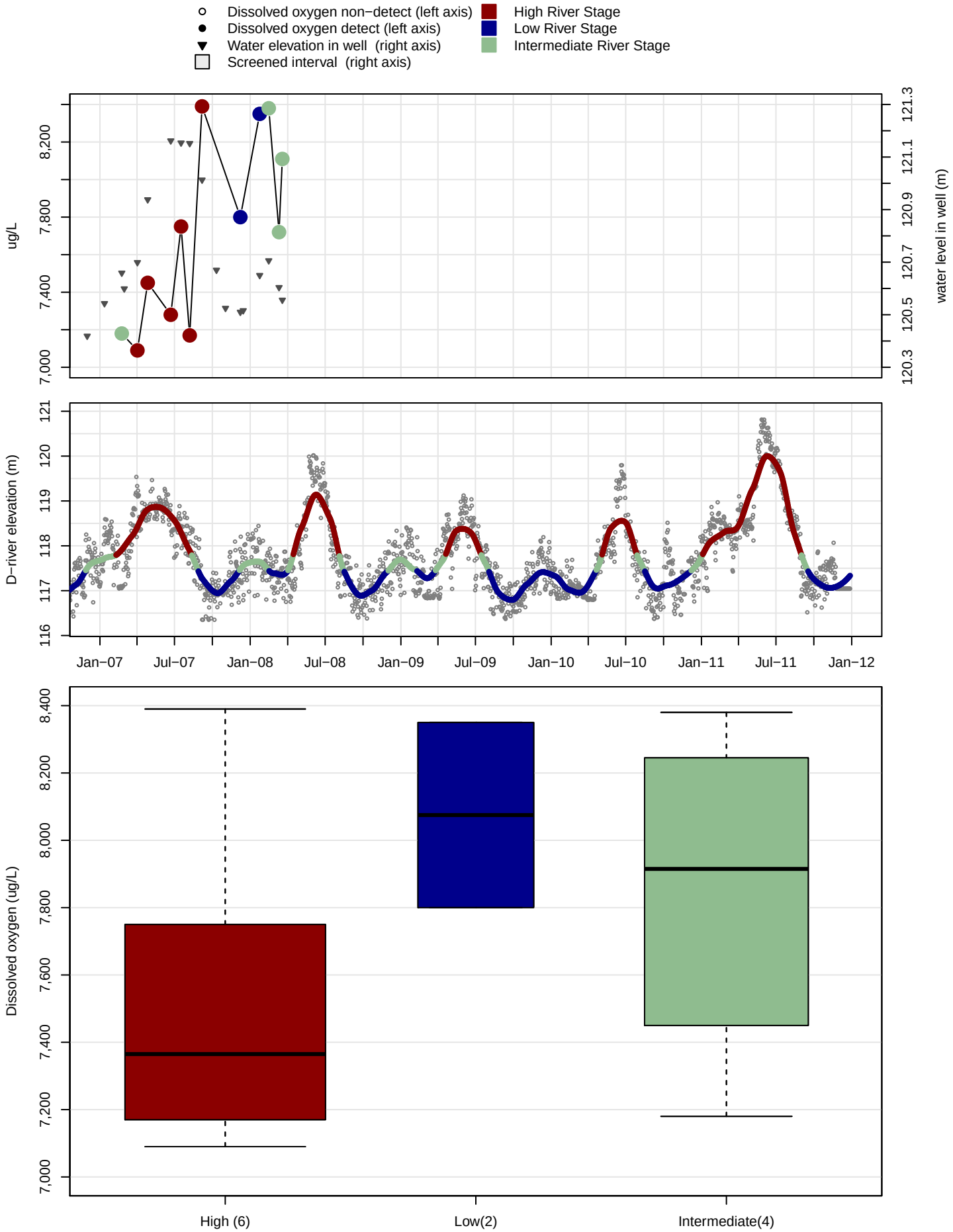
Mann Whitney p = NA t−test p = NA

199−K−23 (542m) Lag (55 Days)



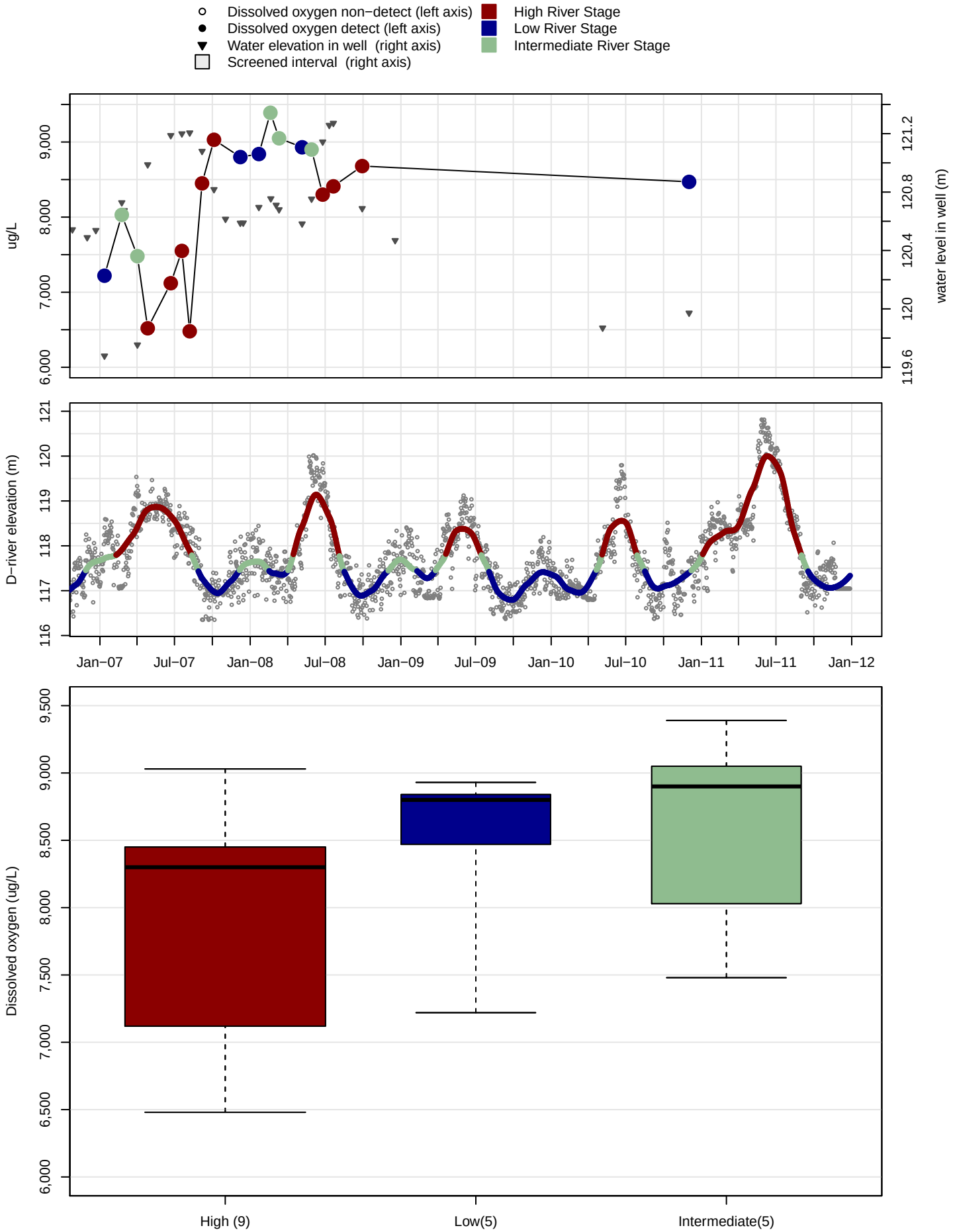
Mann Whitney p = NA t−test p = NA

199−K−27 (501m) Lag (50 Days)



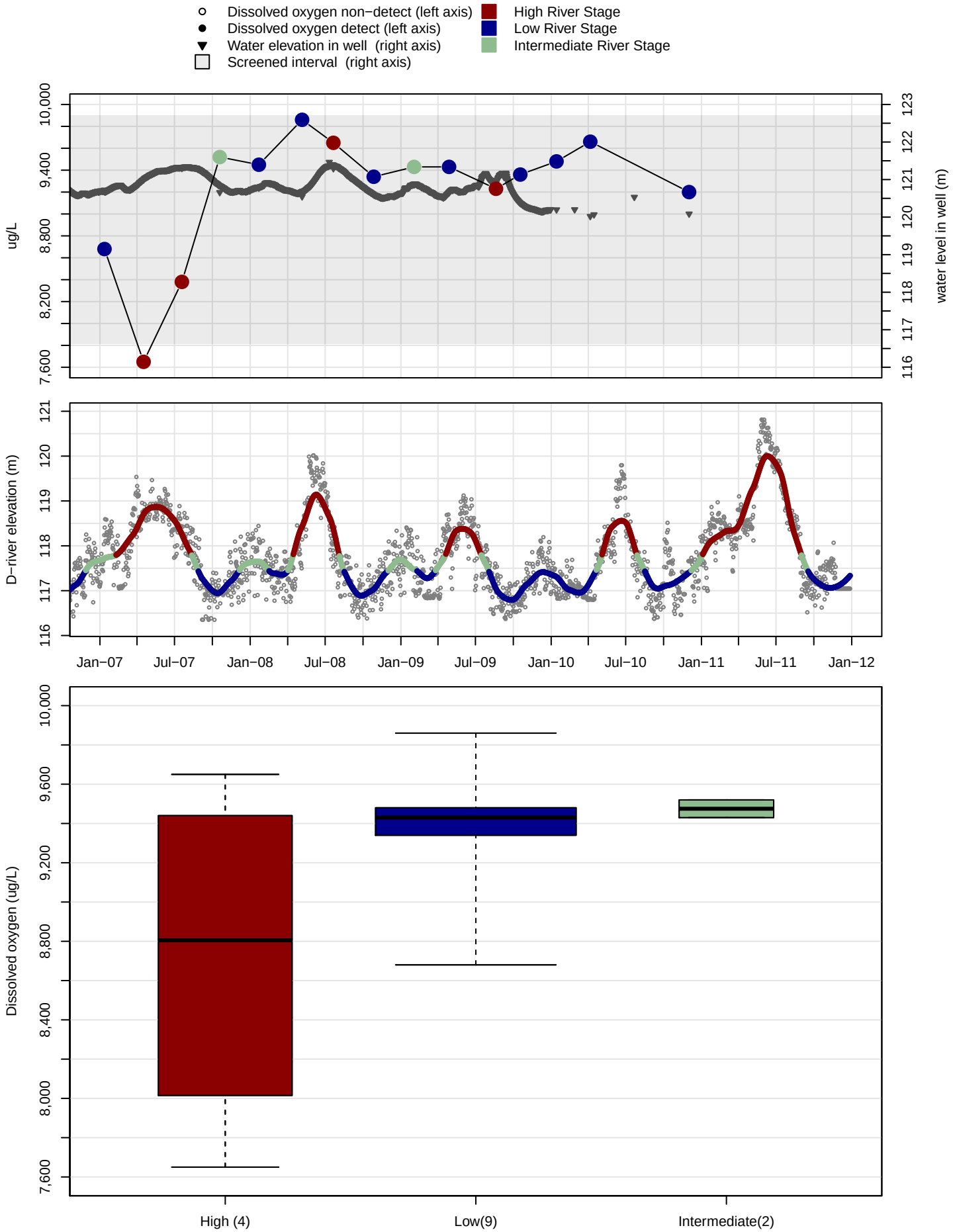
Mann Whitney p = NA t−test p = NA

199−K−29 (519m) Lag (56 Days)



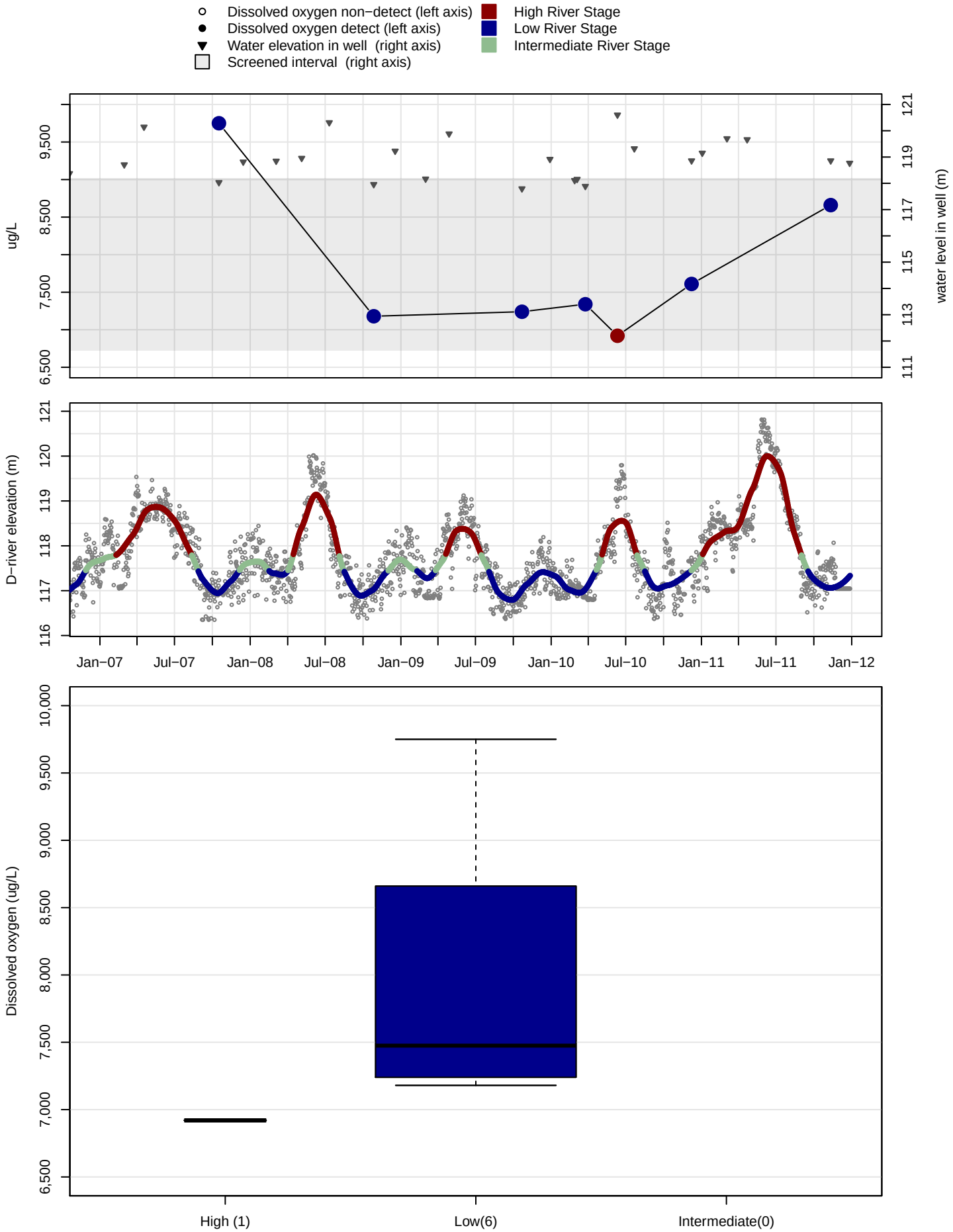
Mann Whitney p = 1.47e−01 t−test p = 1.99e−01

199−K−30 (548m) Lag (52 Days)



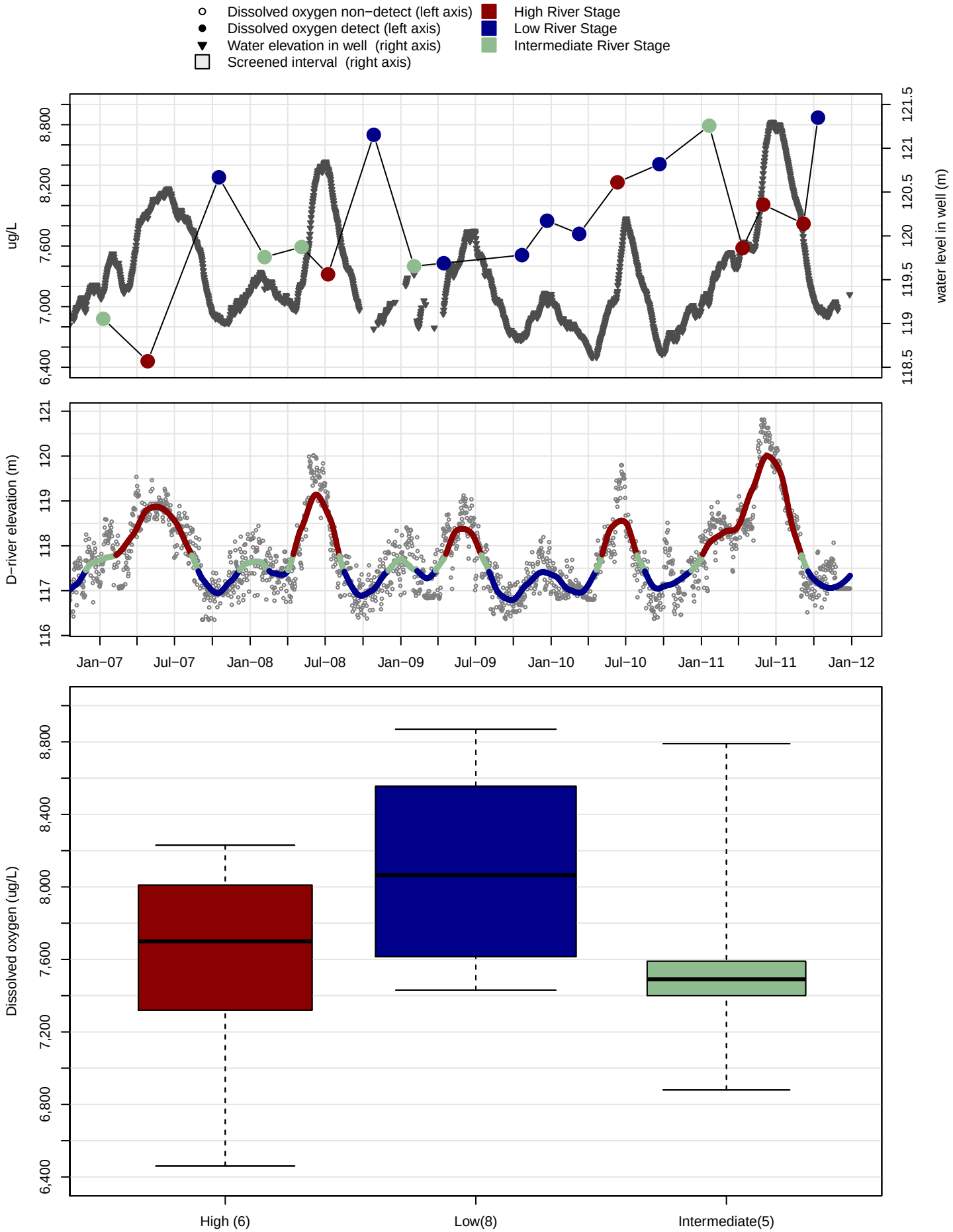
Mann Whitney p = 1.99e−01 t−test p = 2.38e−01

199−K−31 (63m) Lag (7 Days)



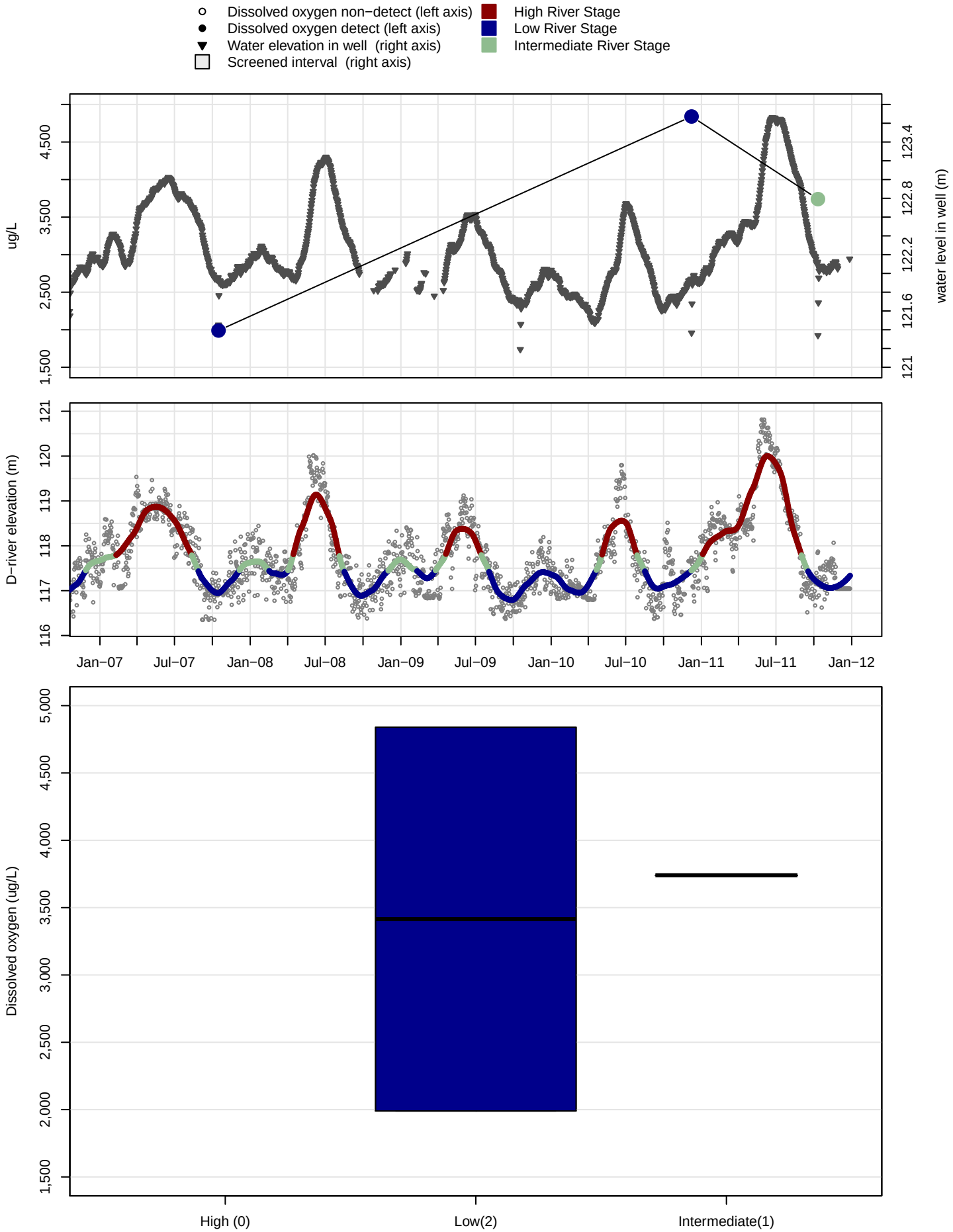
Mann Whitney p = NA t−test p = NA

199−K−32A (237m) Lag (21 Days)



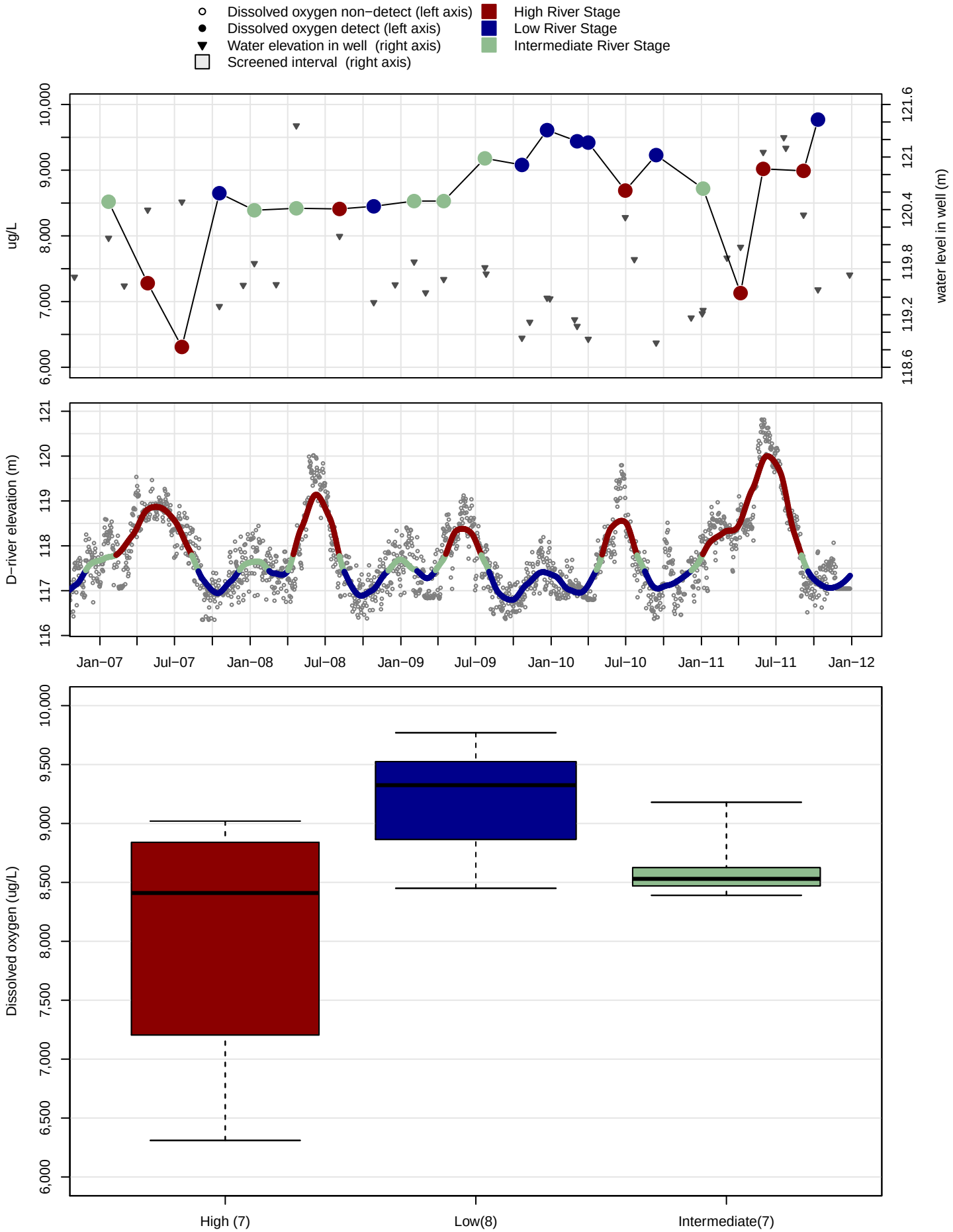
Mann Whitney p = 1.81e−01 t−test p = 1.33e−01

199−K−32B (230m) Lag (25 Days)



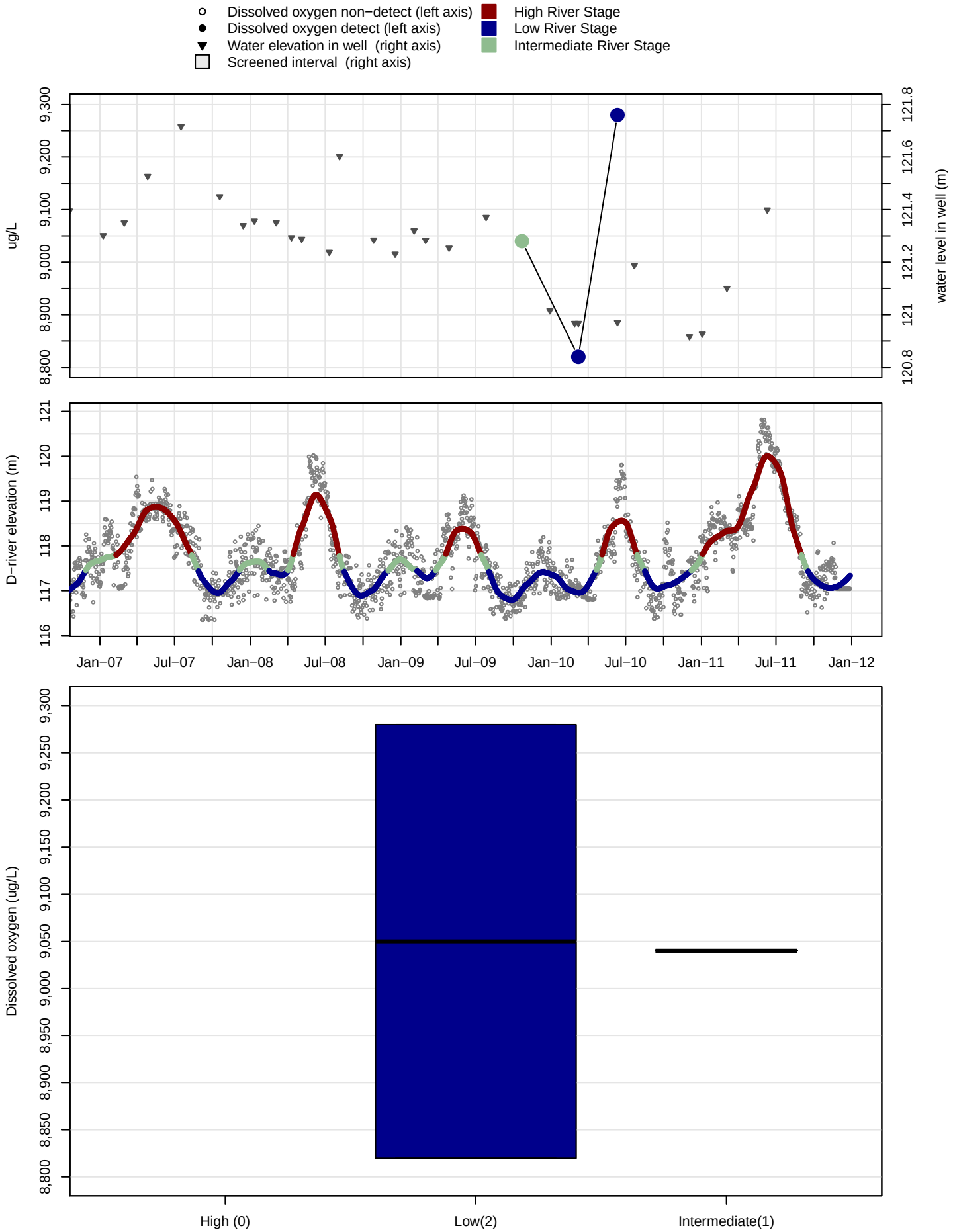
Mann Whitney p = NA t−test p = NA

199−K−34 (383m) Lag (7 Days)



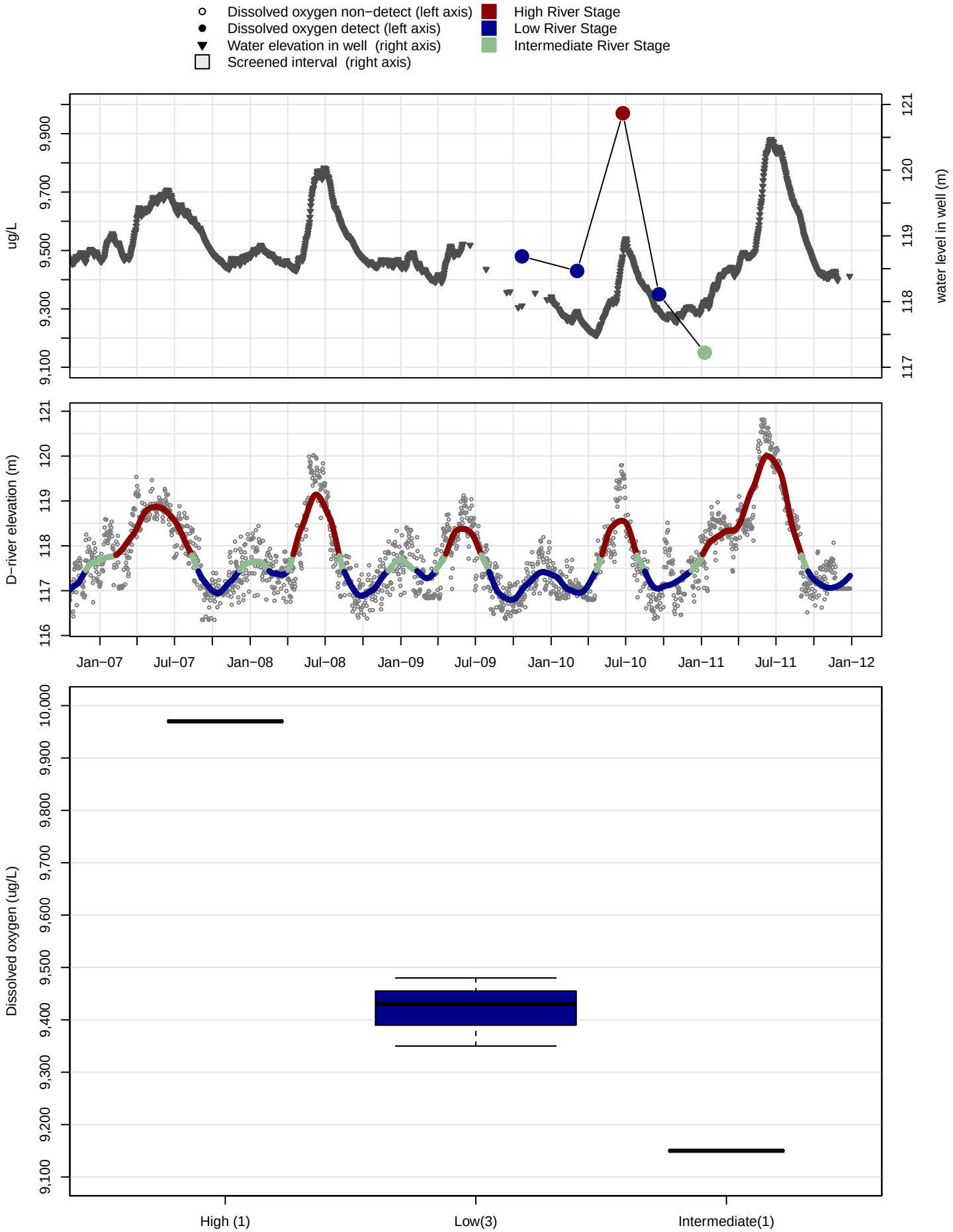
Mann Whitney p = 9.32e−03 t−test p = 2.21e−02

199−K−36 (918m) Lag (83 Days)



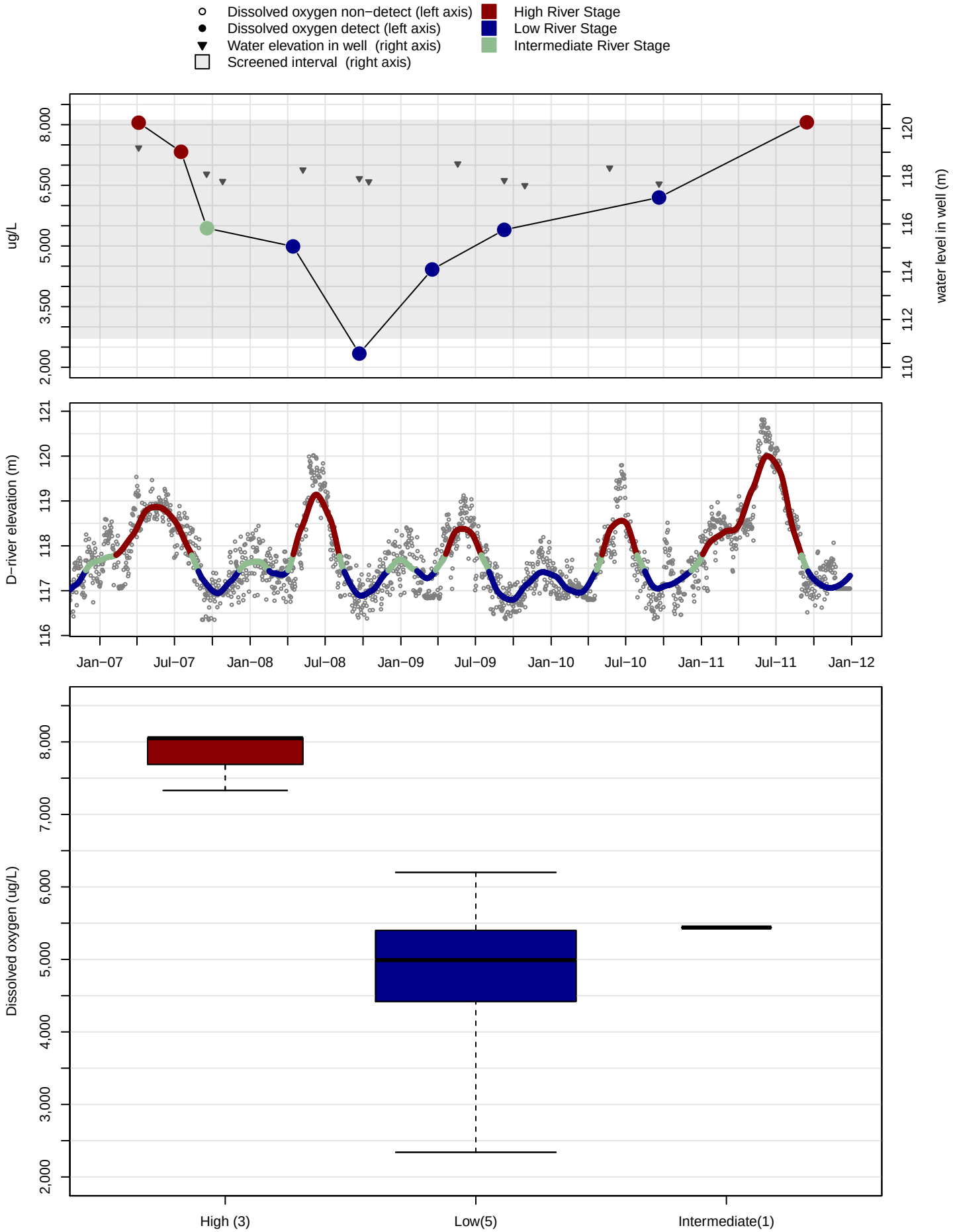
Mann Whitney p = NA t−test p = NA

199−K−37 (227m) Lag (26 Days)



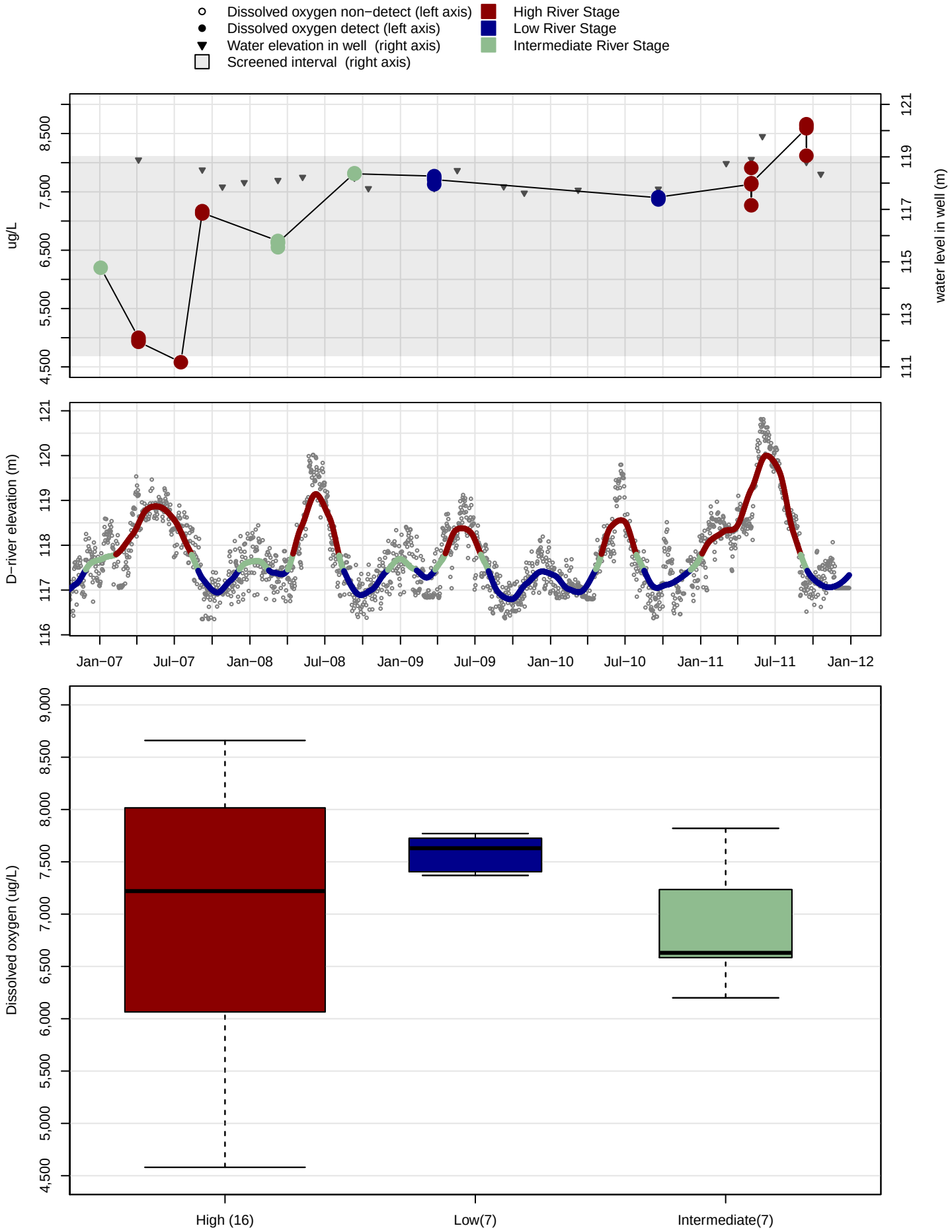
Mann Whitney p = NA t−test p = NA

199−N−103A (95m) Lag (22 Days)



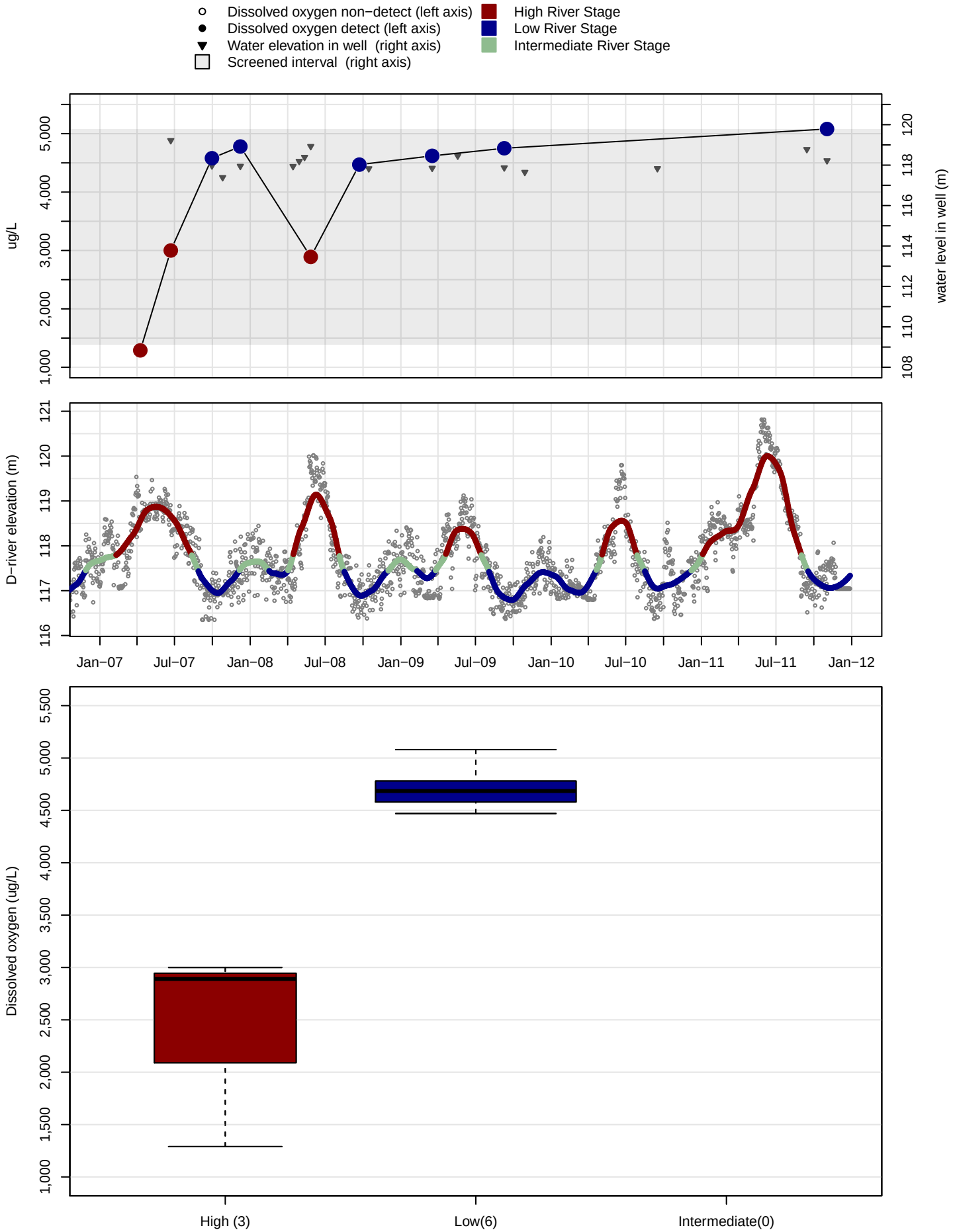
Mann Whitney p = 3.57e−02 t−test p = 6.26e−03

199−N−105A (173m) Lag (28 Days)



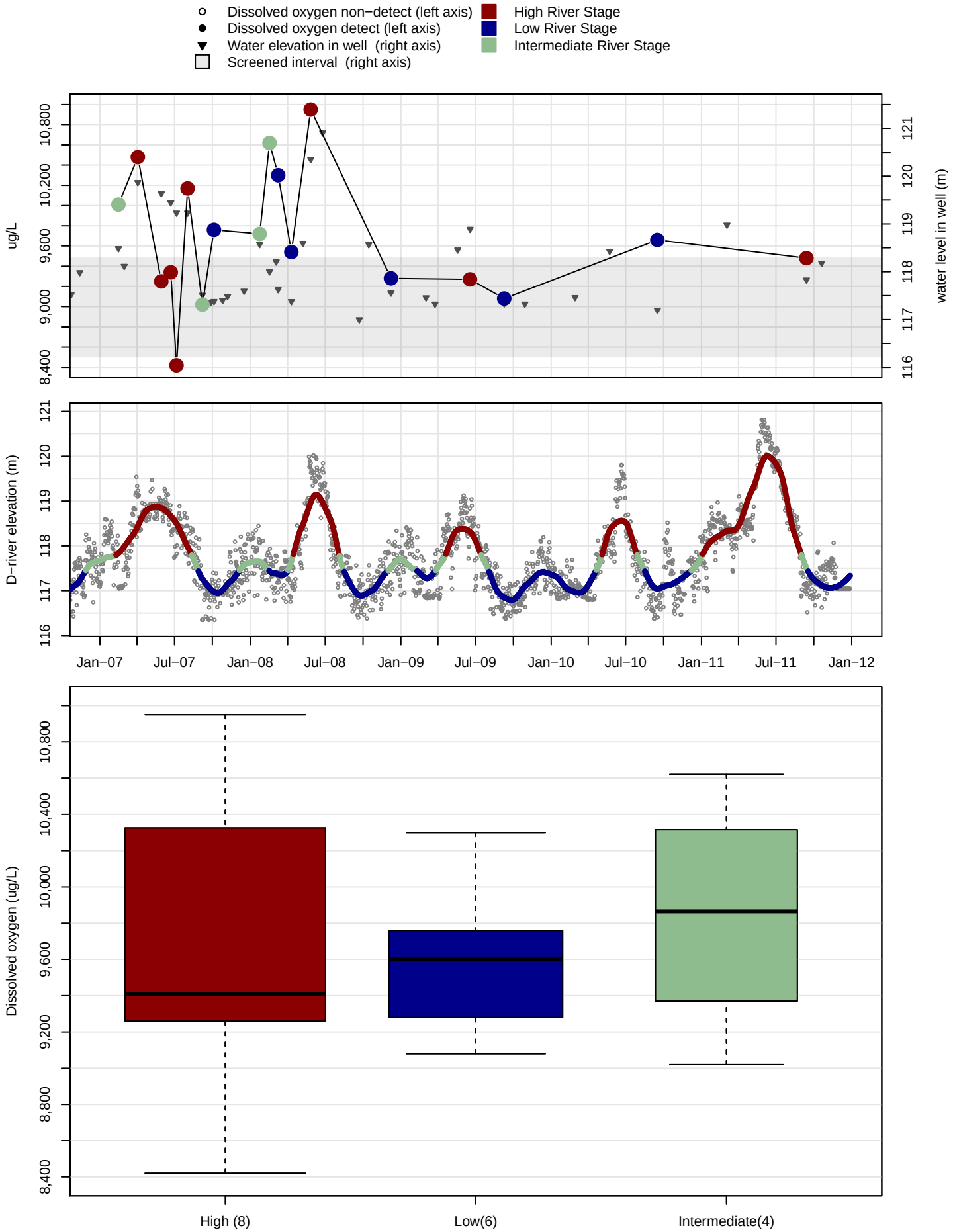
Mann Whitney p = 3.84e−01 t−test p = 1.46e−01

199−N−106A (205m) Lag (24 Days)



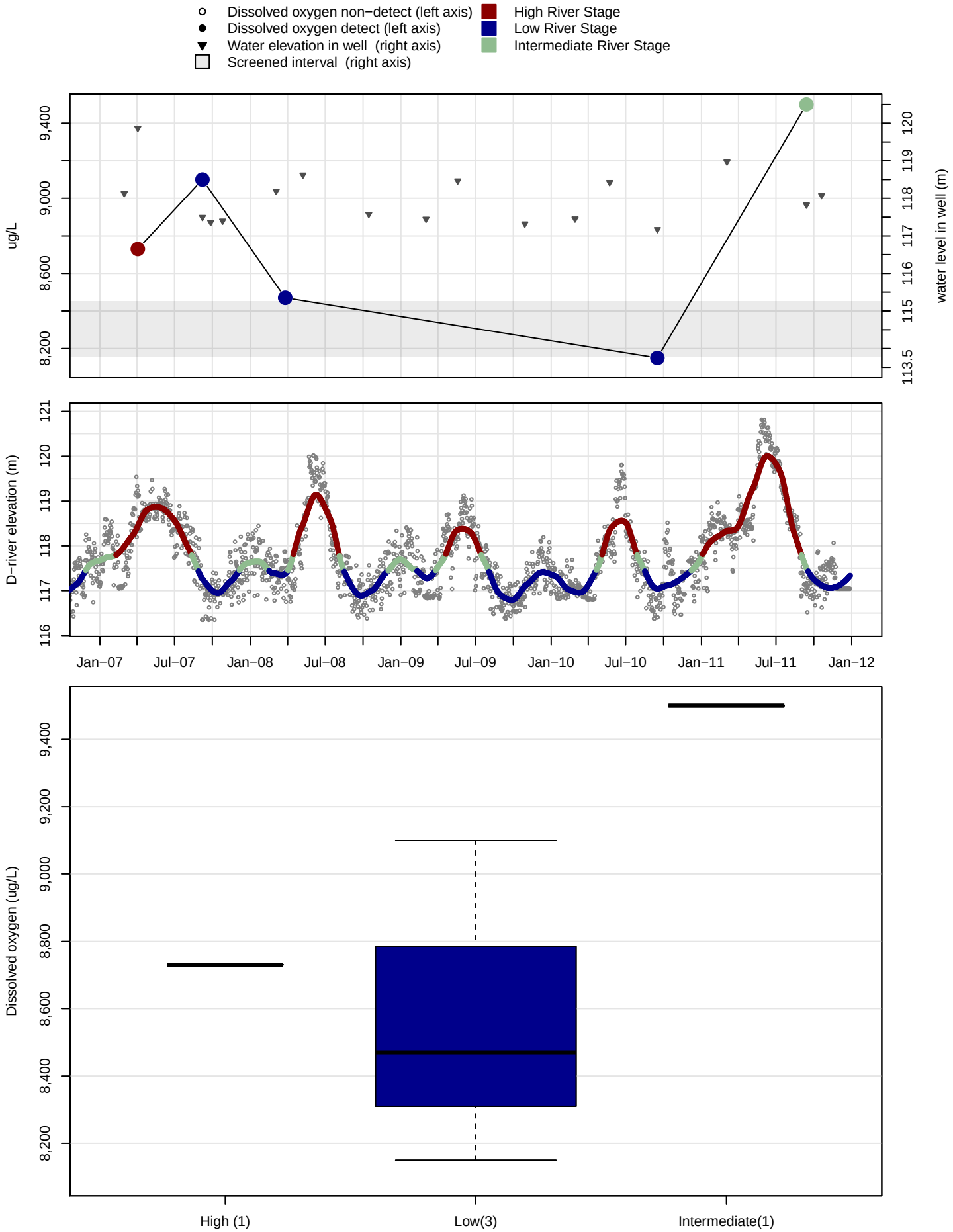
Mann Whitney p = 2.38e−02 t−test p = 4.92e−02

199−N−119 (7m) Lag (10 Days)



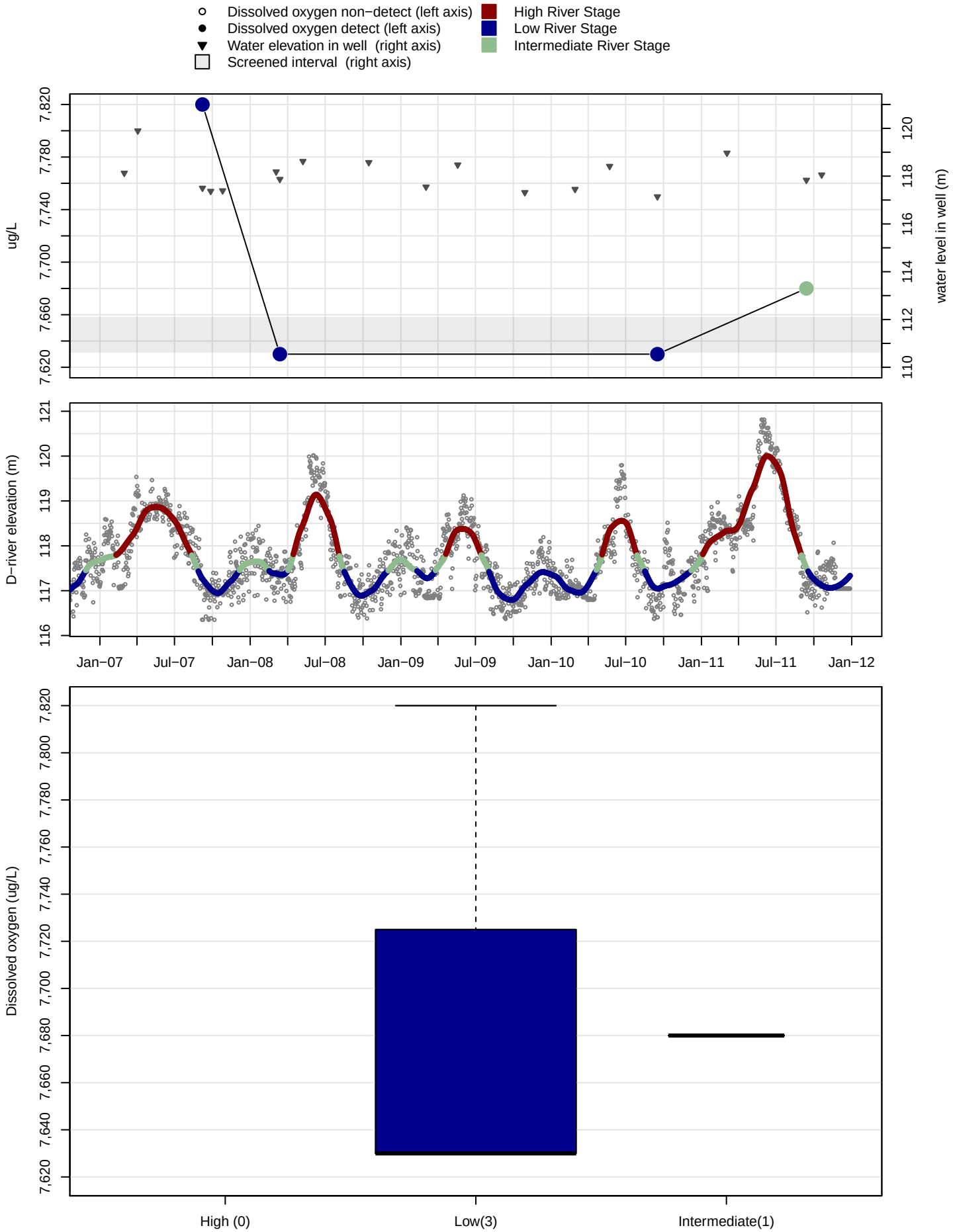
Mann Whitney p = 9.5e−01 t−test p = 8.46e−01

199−N−120 (6m) Lag (0 Days)



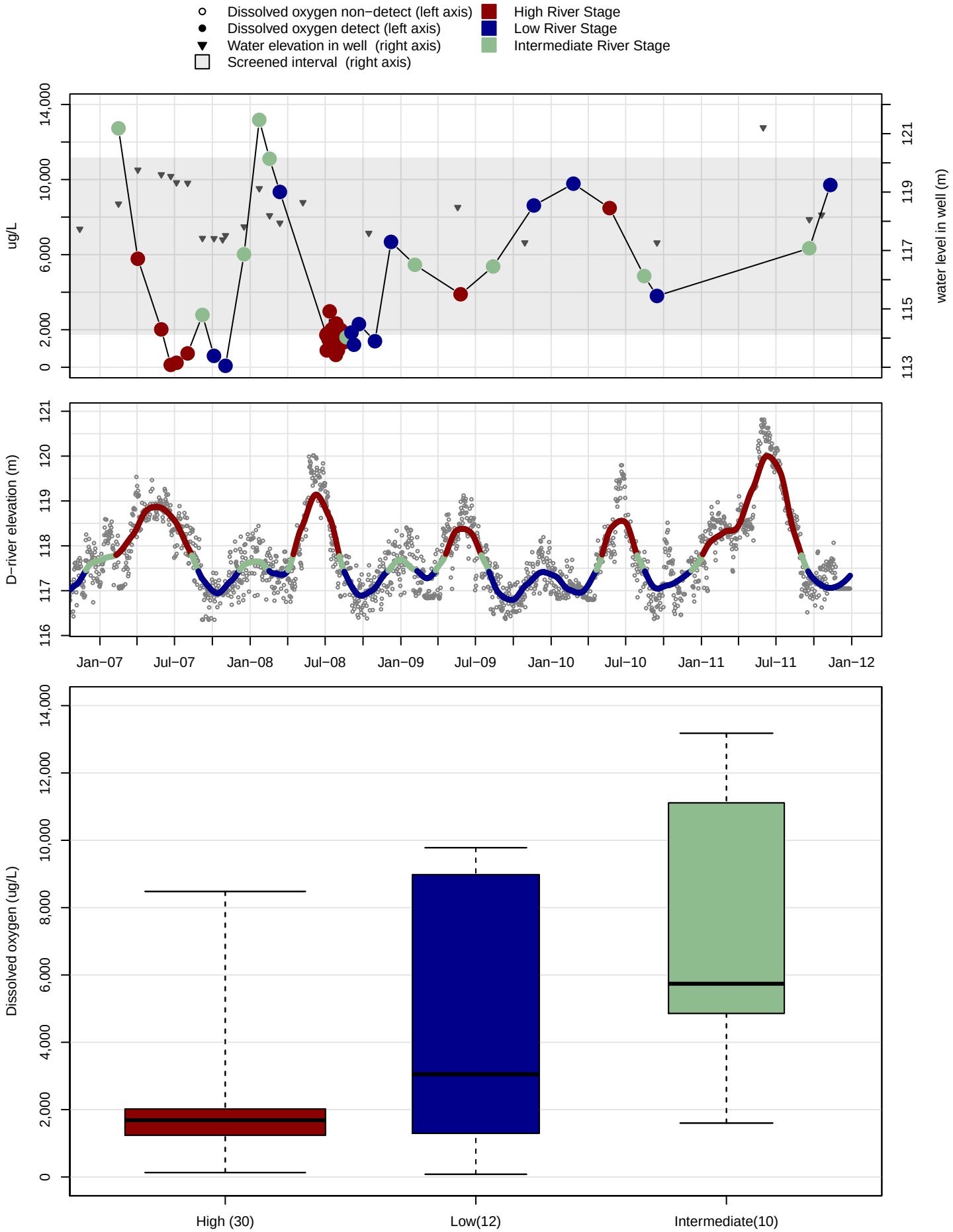
Mann Whitney p = NA t−test p = NA

199−N−121 (6m) Lag (0 Days)



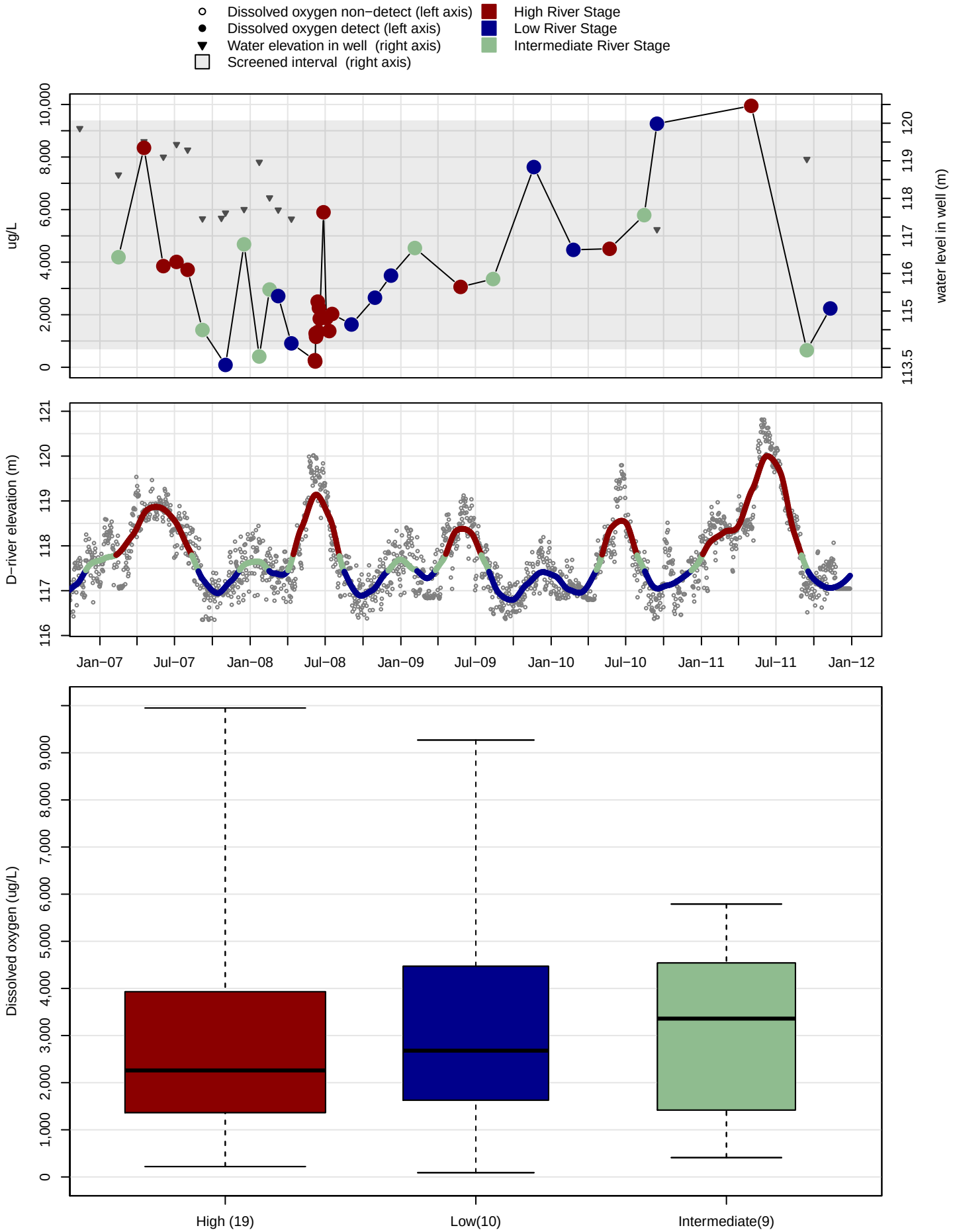
Mann Whitney p = NA t−test p = NA

199−N−122 (3m) Lag (10 Days)



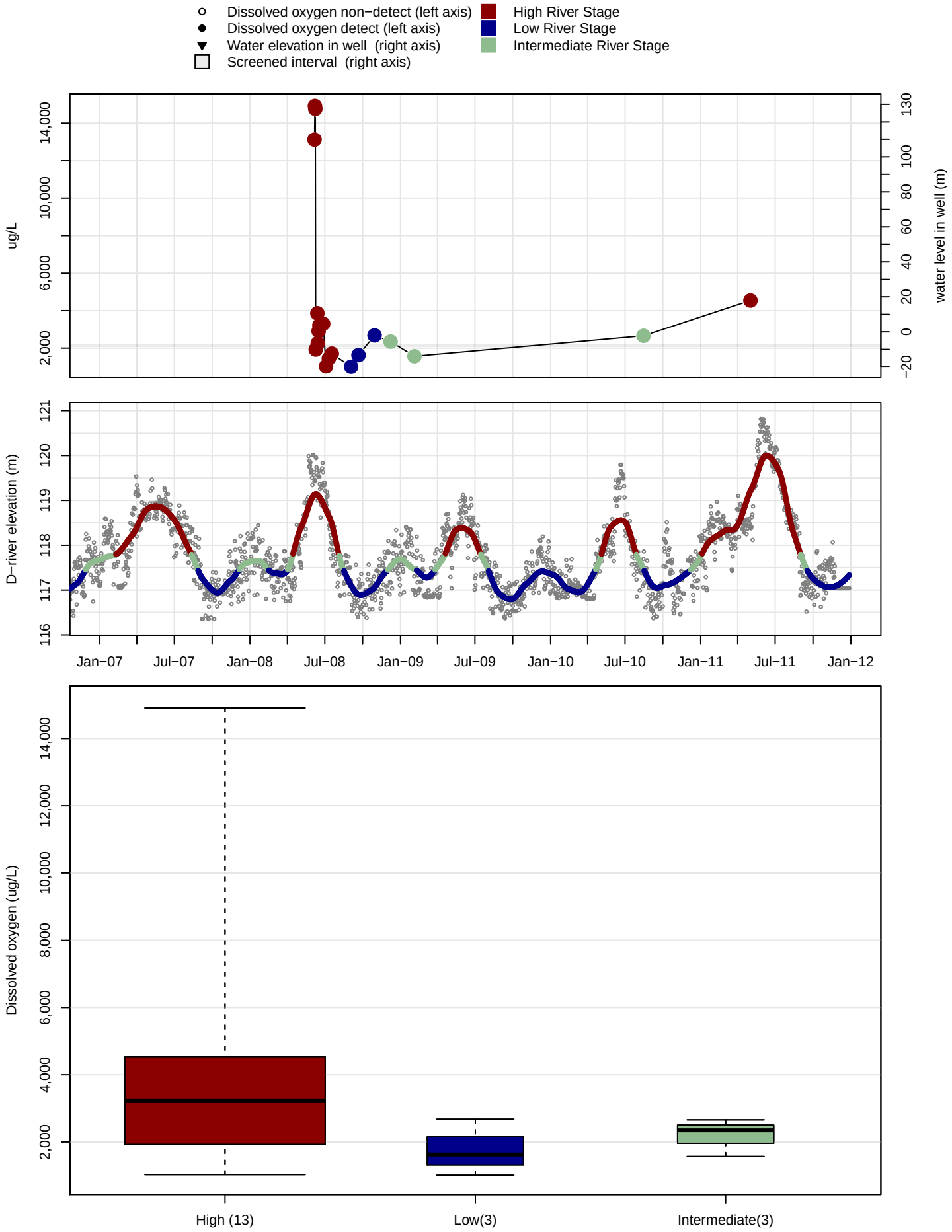
Mann Whitney p = 9.66e−02 t−test p = 4.08e−02

199−N−123 (7m) Lag (10 Days)



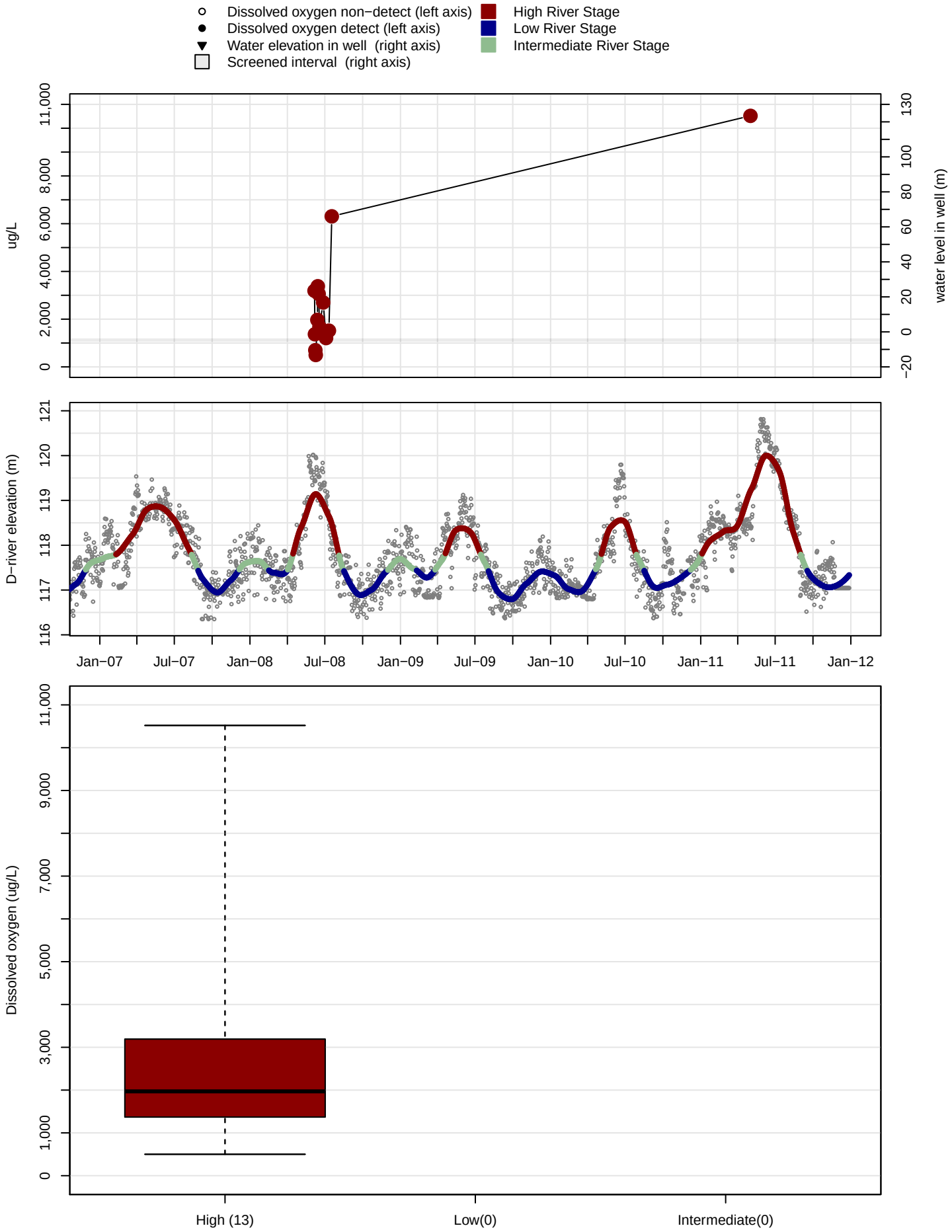
Mann Whitney p = 8.04e−01 t−test p = 7.36e−01

199−N−126 (6m) Lag (Indeterminate)



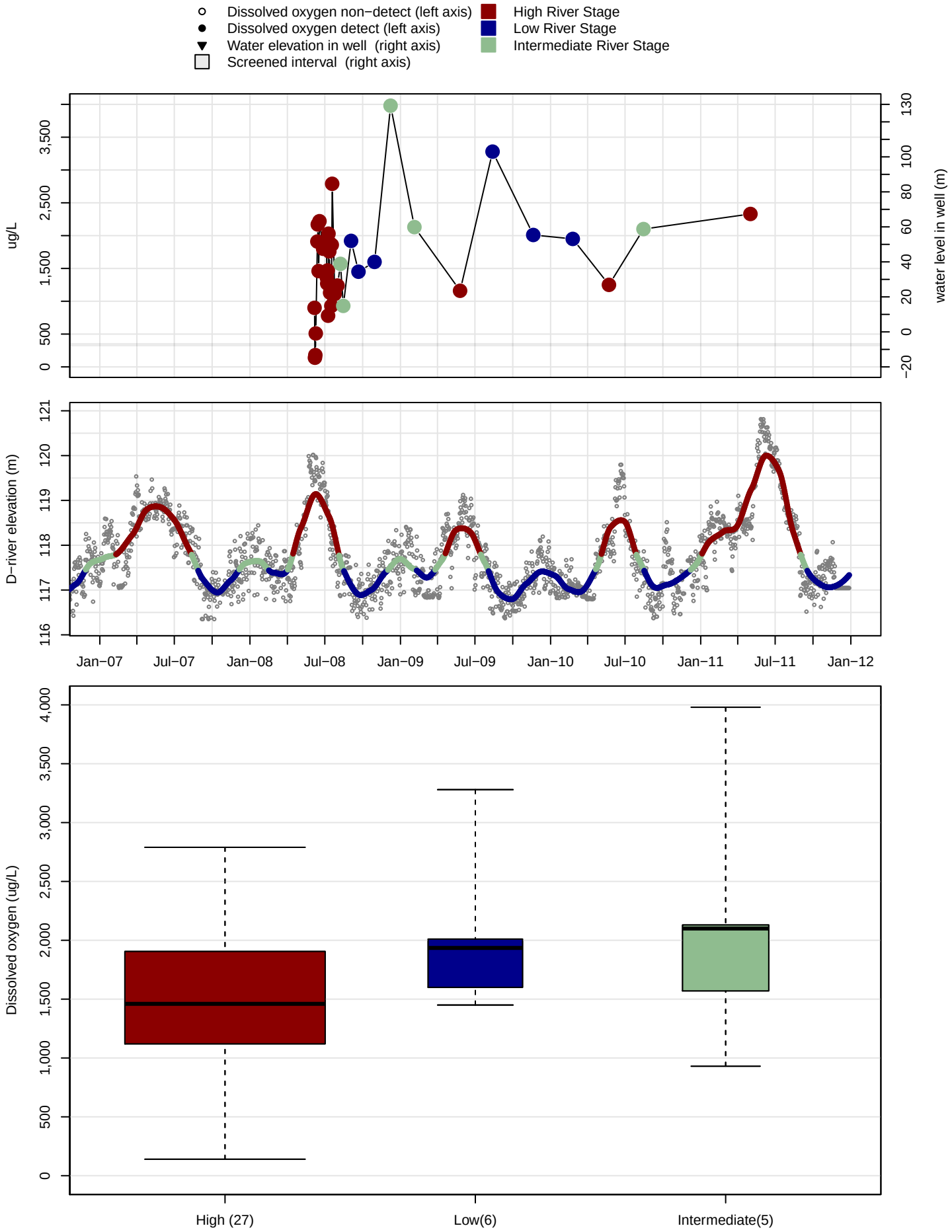
Mann Whitney p = 1.11e−01 t−test p = 3.64e−02

199−N−127 (6m) Lag (Indeterminate)



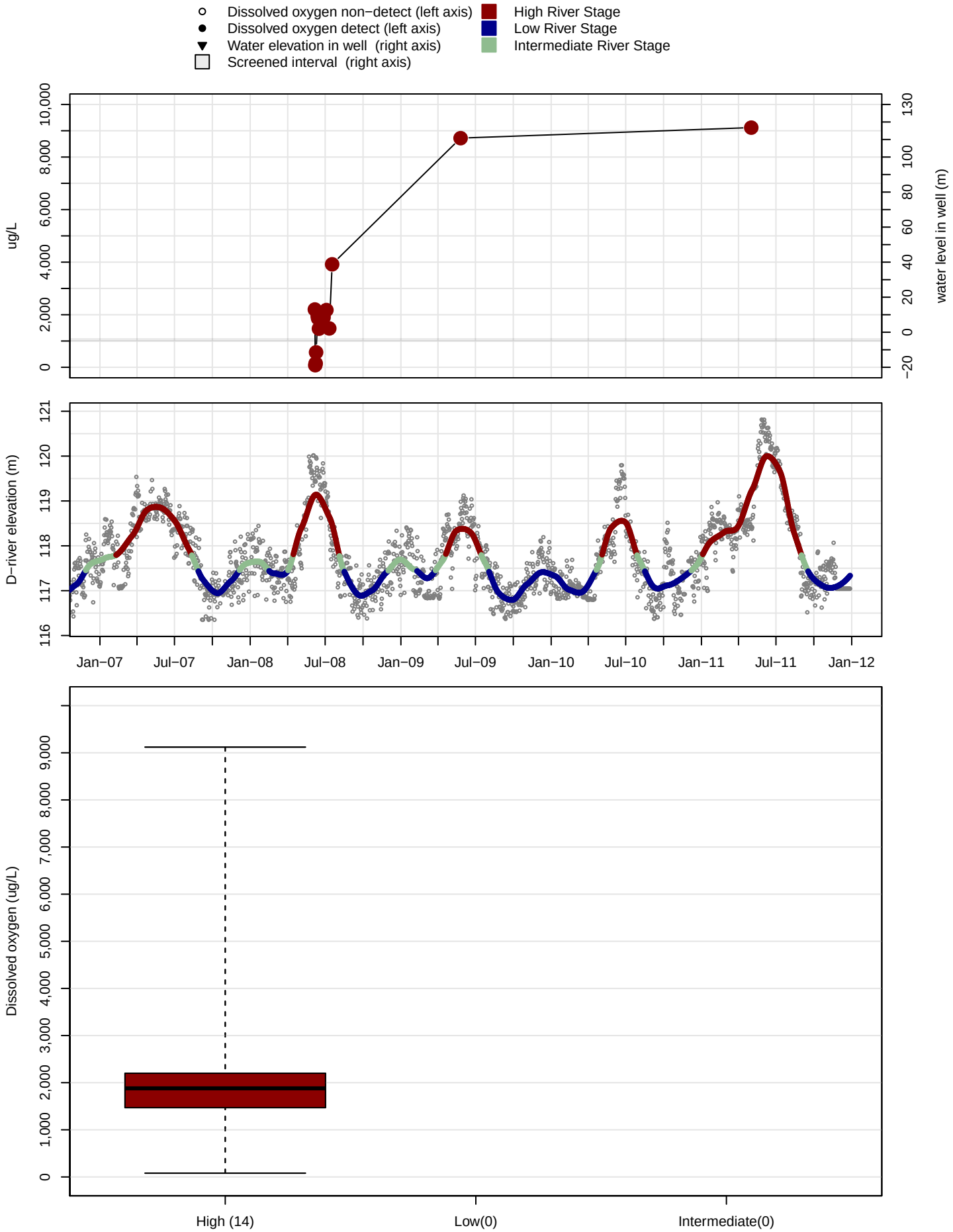
Mann Whitney p = NA t−test p = NA

199−N−128 (9m) Lag (Indeterminate)



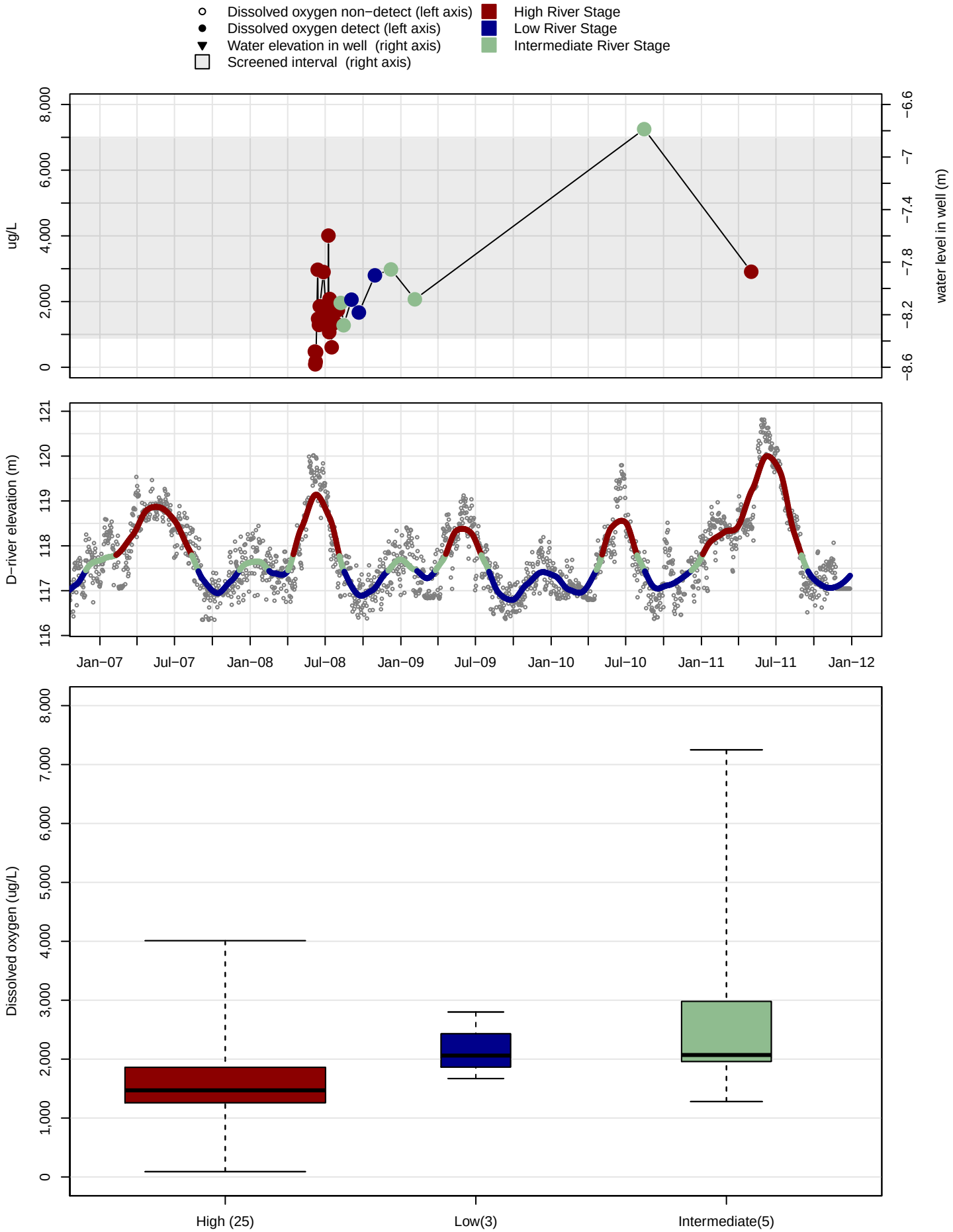
Mann Whitney p = 6.32e−02 t−test p = 8.76e−02

199−N−129 (9m) Lag (Indeterminate)



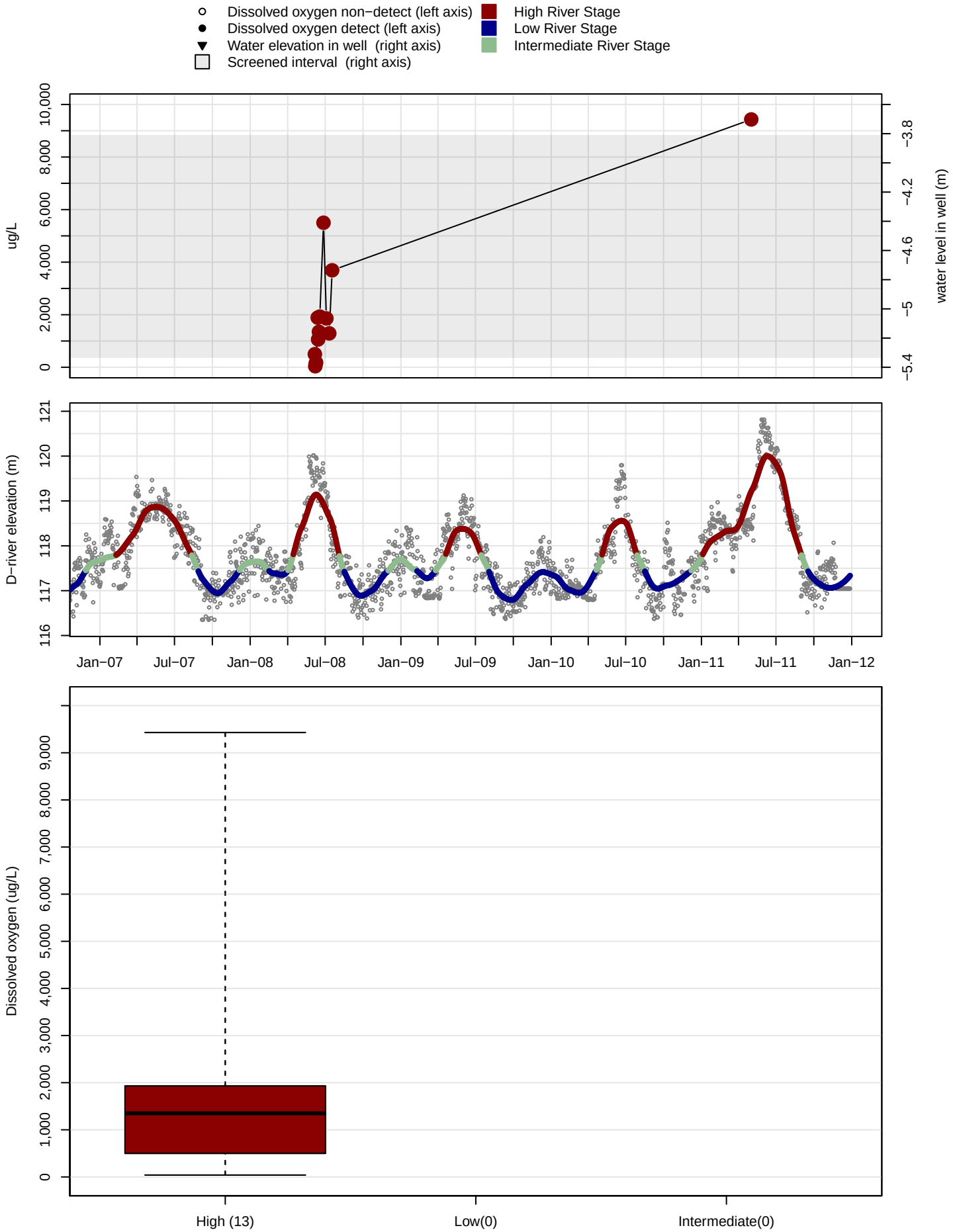
Mann Whitney p = NA t−test p = NA

199−N−130 (16m) Lag (Indeterminate)



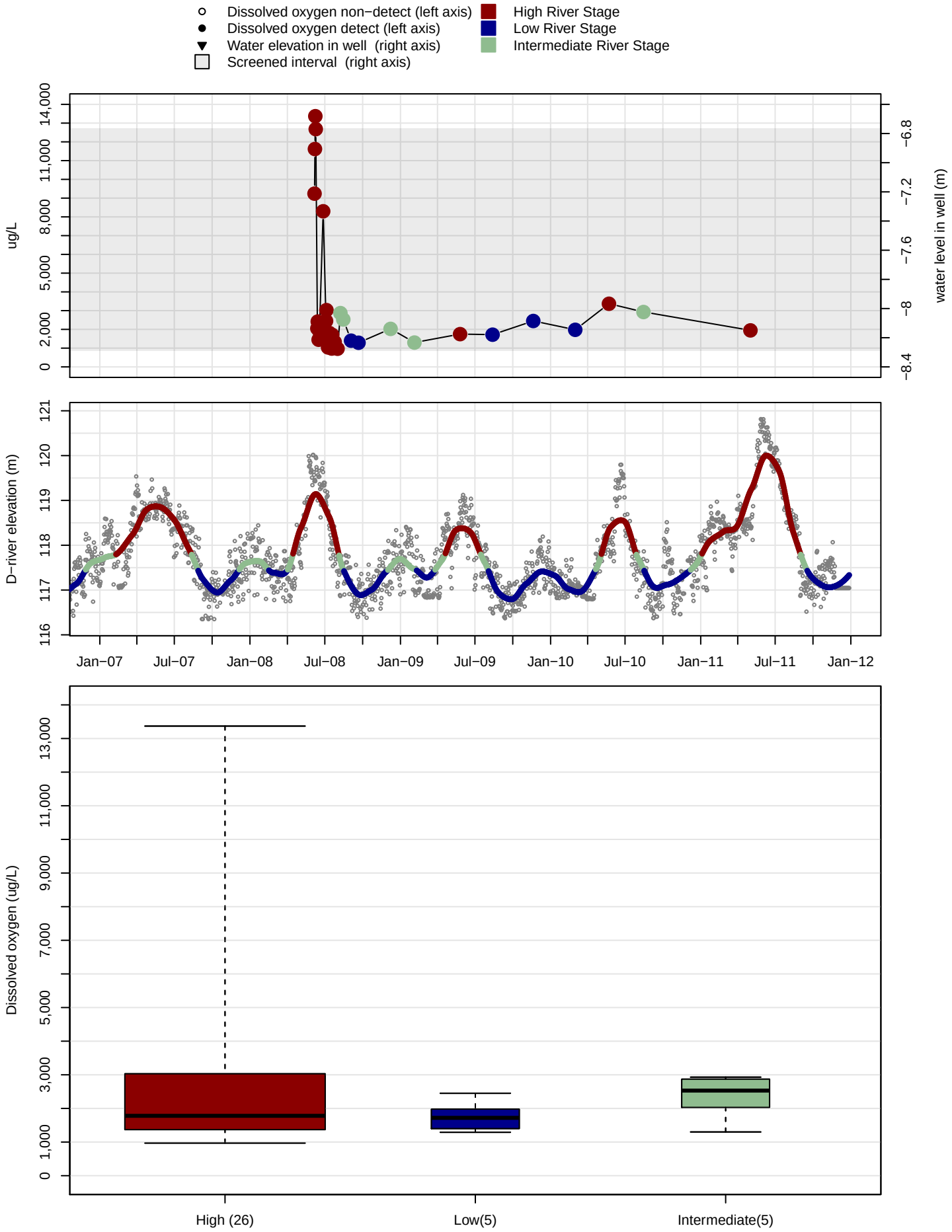
Mann Whitney p = 1.65e−01 t−test p = 1.96e−01

199−N−131 (16m) Lag (Indeterminate)



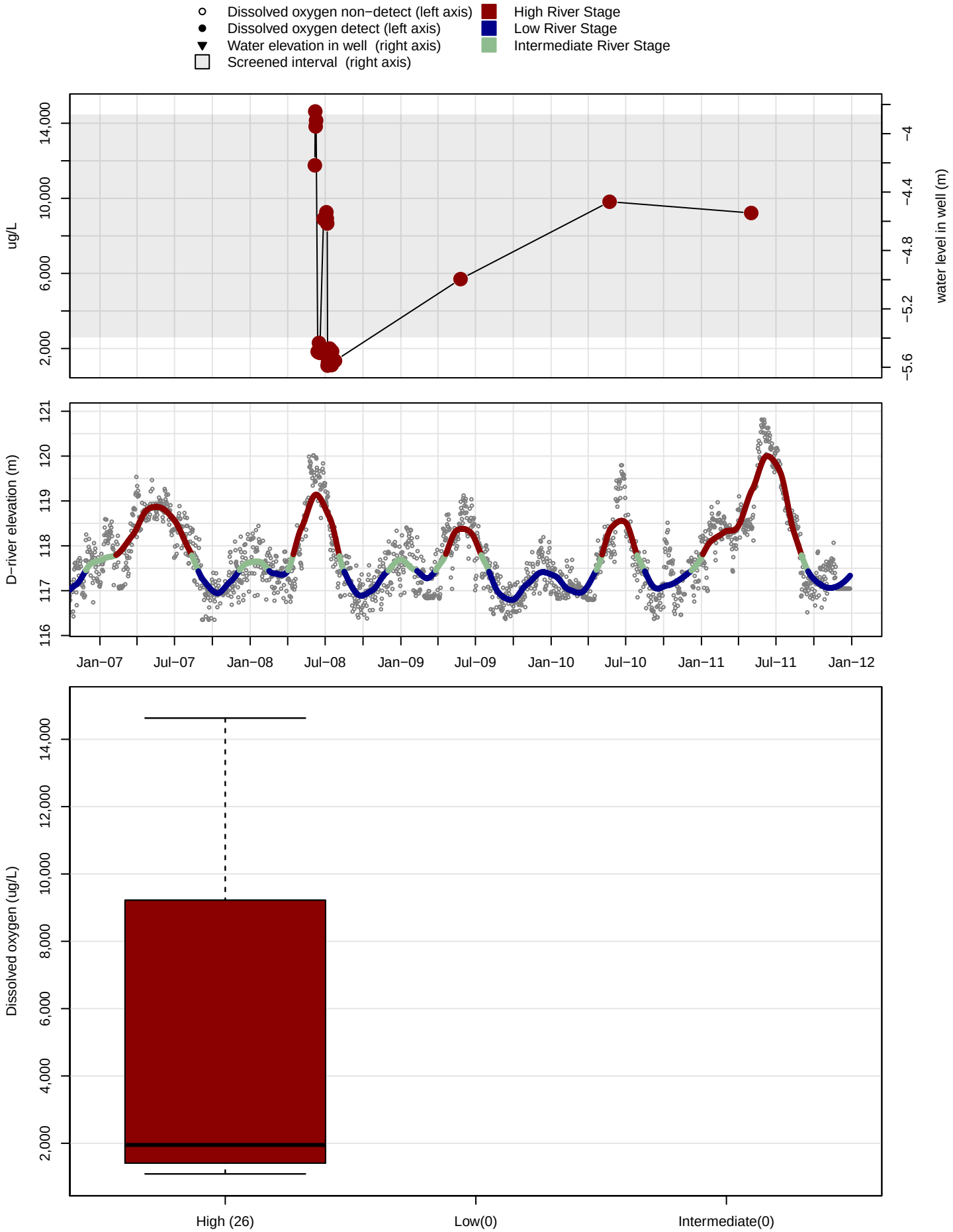
Mann Whitney p = NA t−test p = NA

199−N−132 (11m) Lag (Indeterminate)



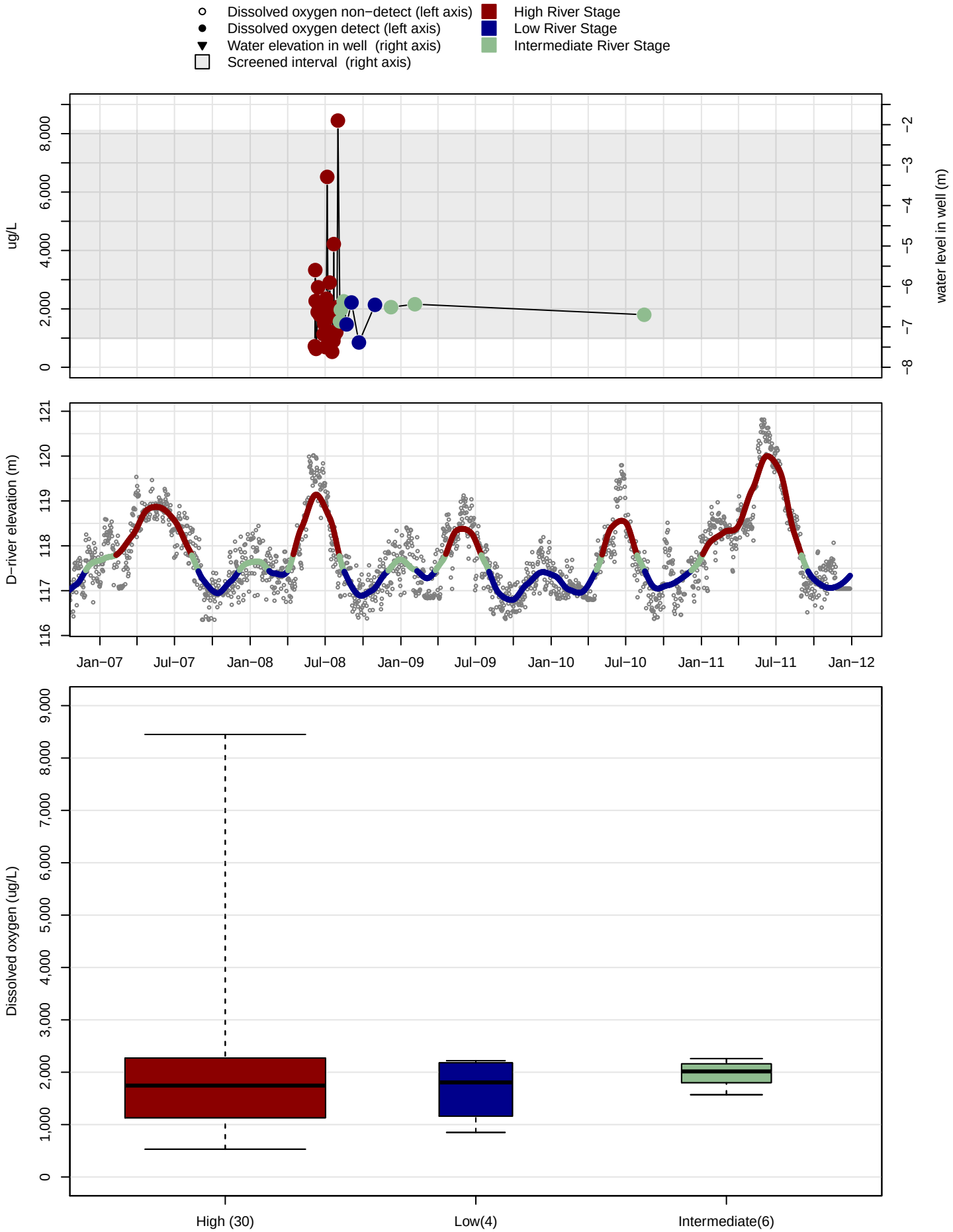
Mann Whitney p = 7.04e−01 t−test p = 3.41e−02

199−N−133 (10m) Lag (Indeterminate)



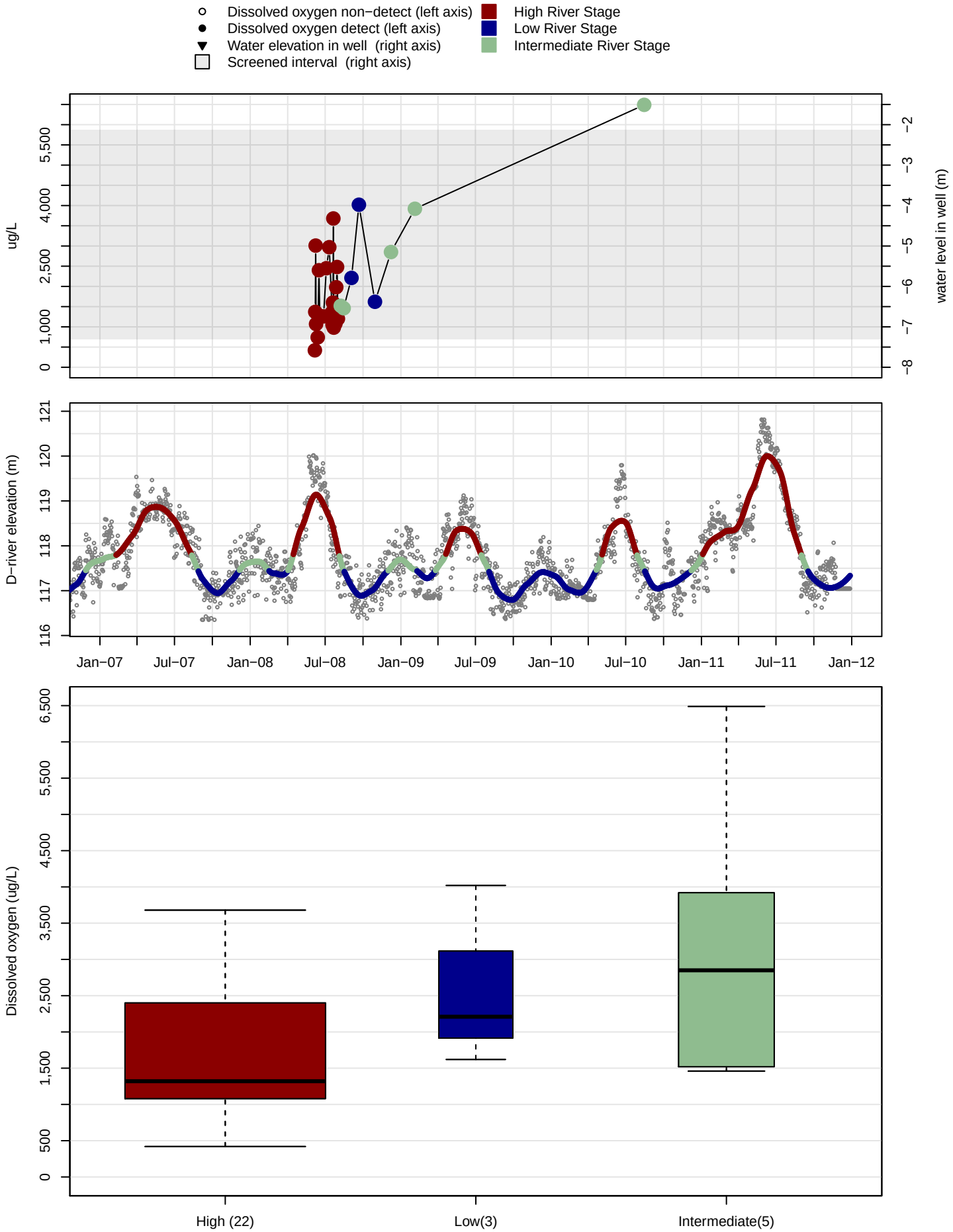
Mann Whitney p = NA t−test p = NA

199−N−136 (8m) Lag (Indeterminate)



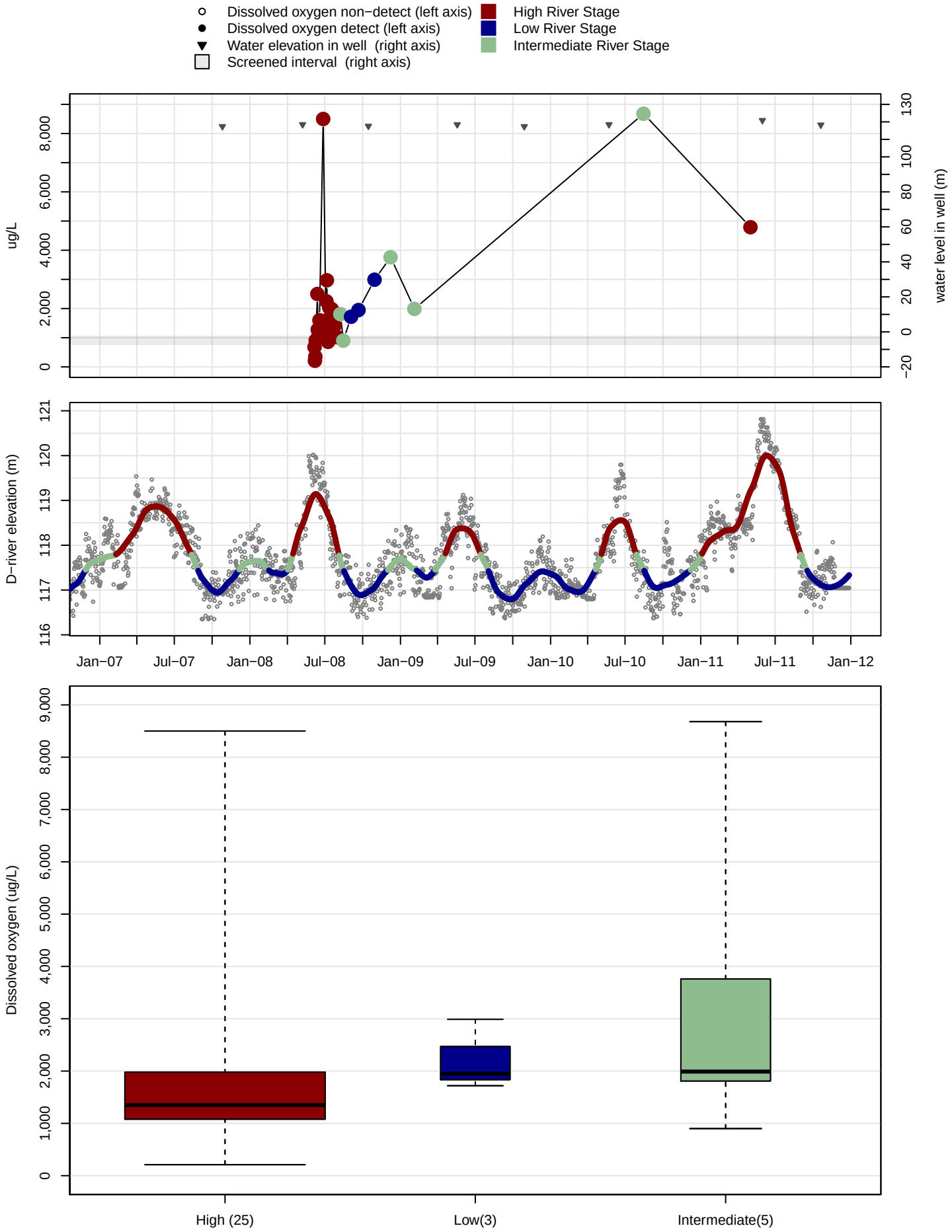
Mann Whitney p = 1e+00 t−test p = 3.84e−01

199−N−137 (9m) Lag (Indeterminate)



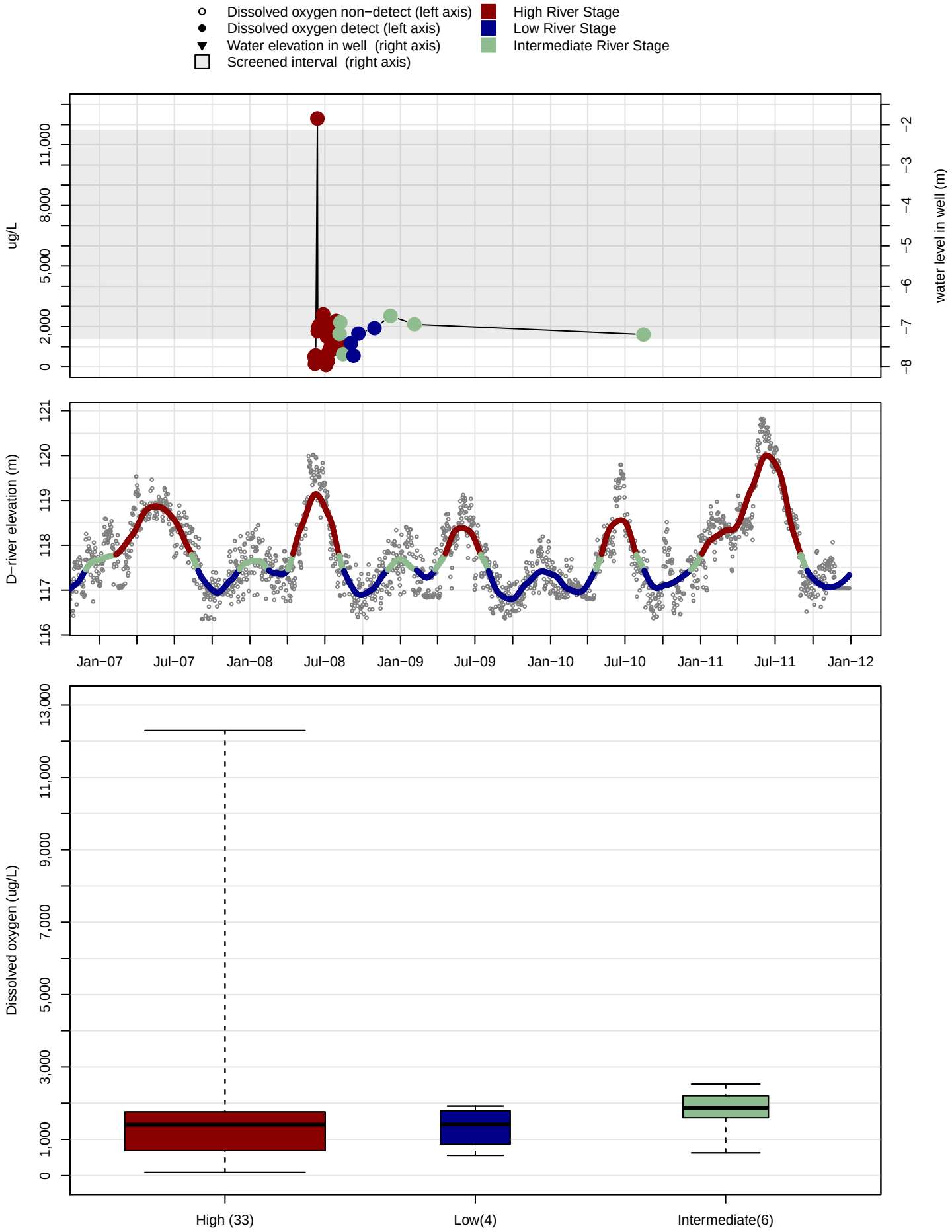
Mann Whitney p = 1.06e−01 t−test p = 3.09e−01

199−N−138 (12m) Lag (Indeterminate)



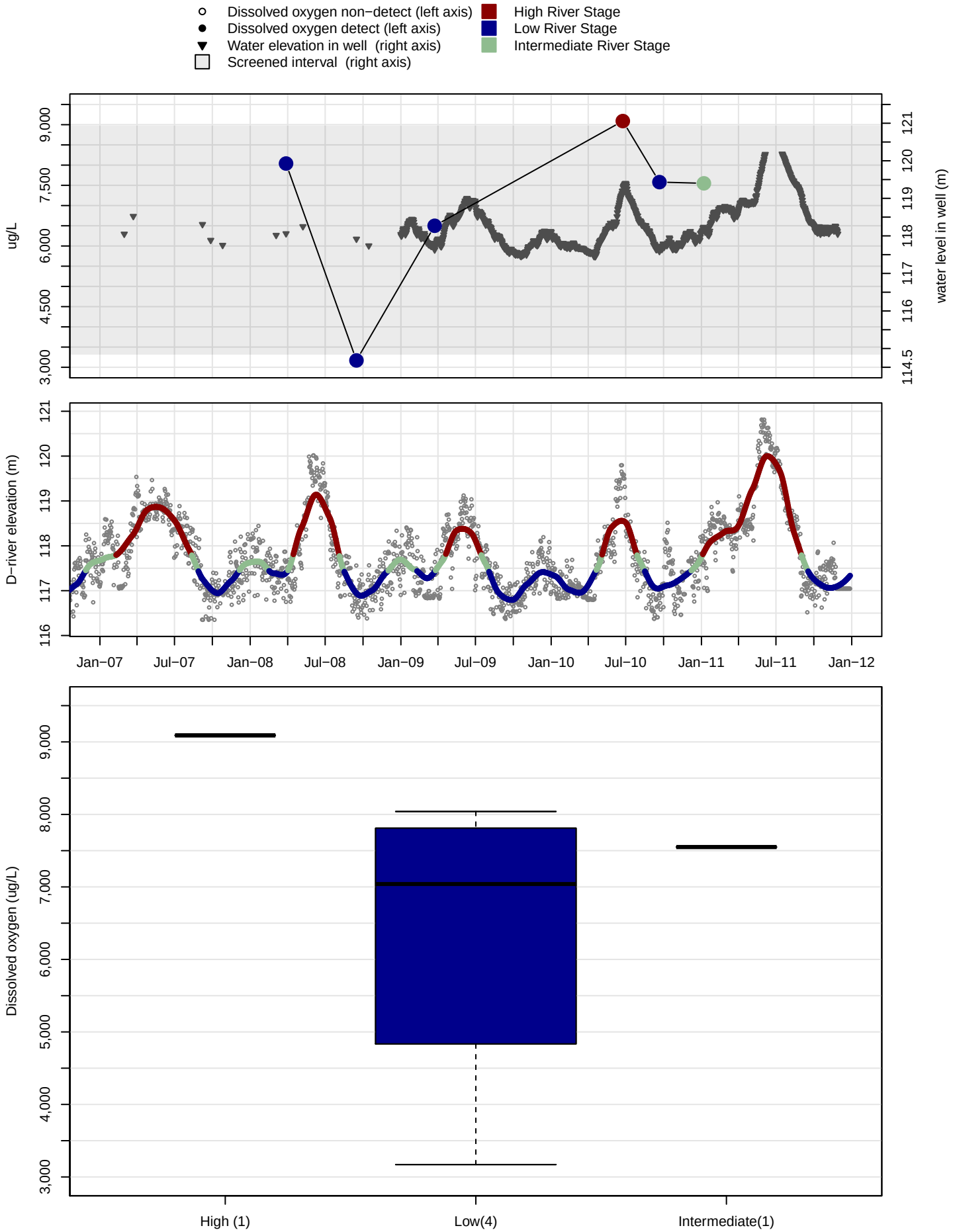
Mann Whitney p = 1.22e−01 t−test p = 4.58e−01

199−N−139 (9m) Lag (Indeterminate)



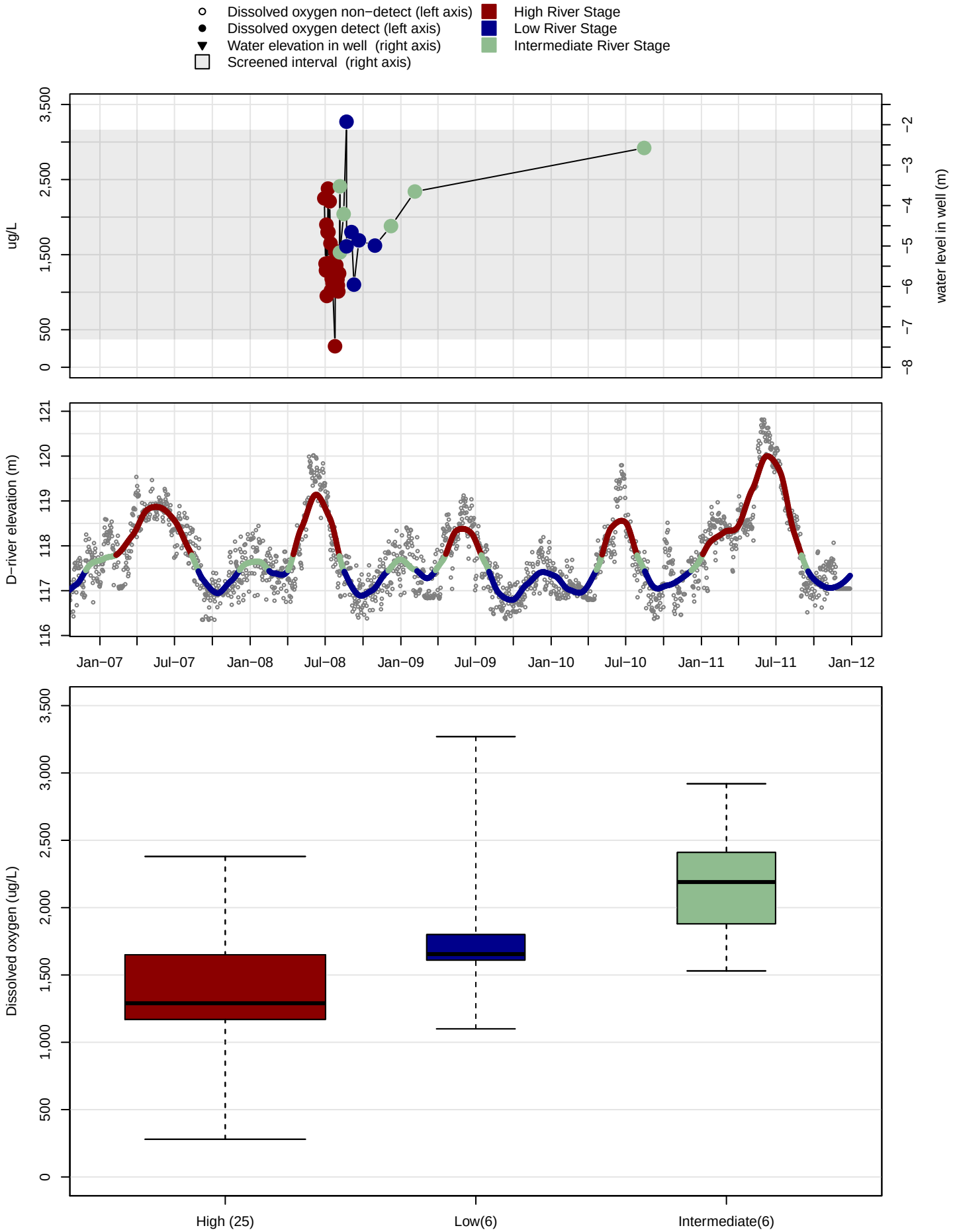
Mann Whitney p = 8.97e−01 t−test p = 6.08e−01

199−N−14 (135m) Lag (18 Days)



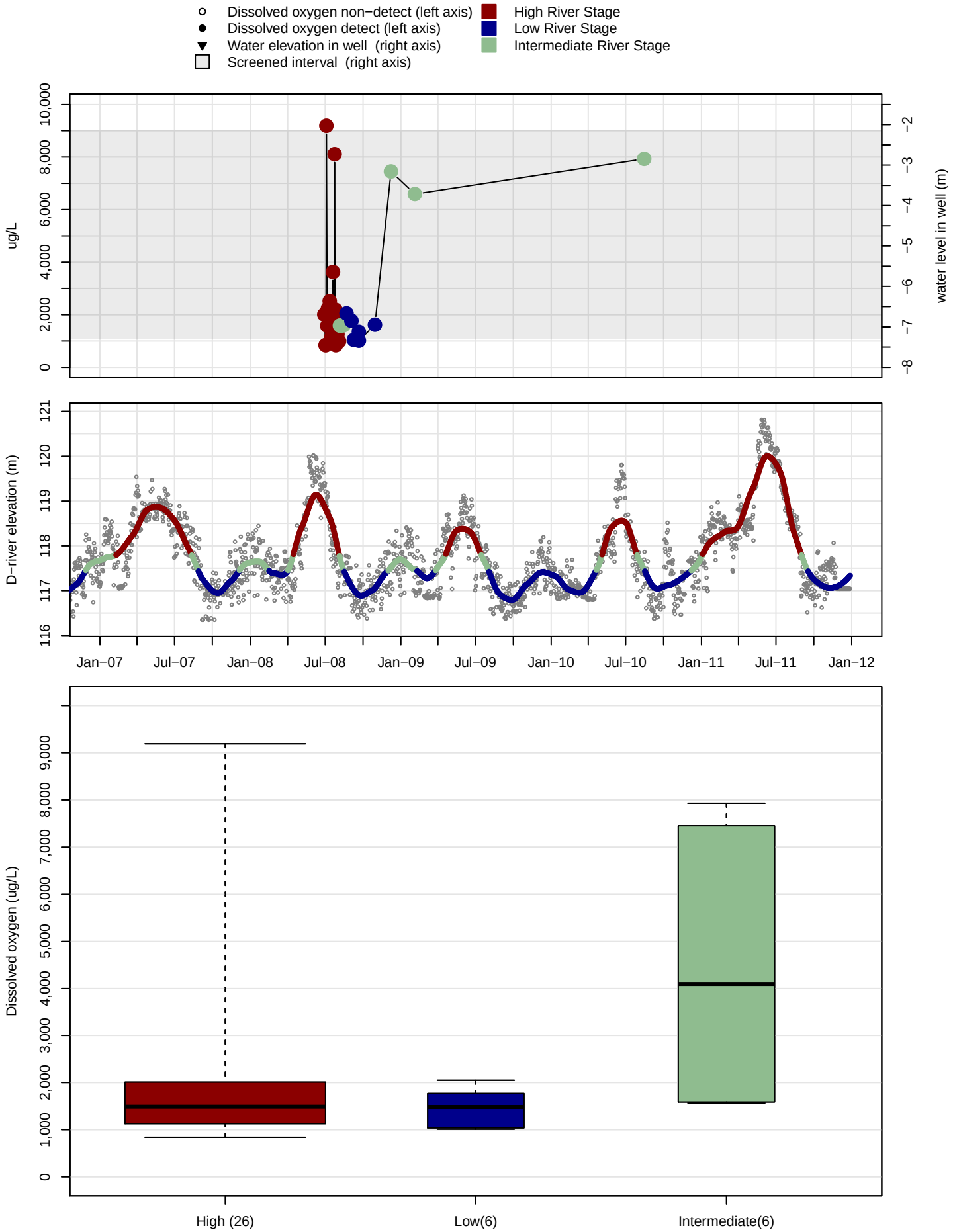
Mann Whitney p = NA t−test p = NA

199−N−140 (9m) Lag (Indeterminate)



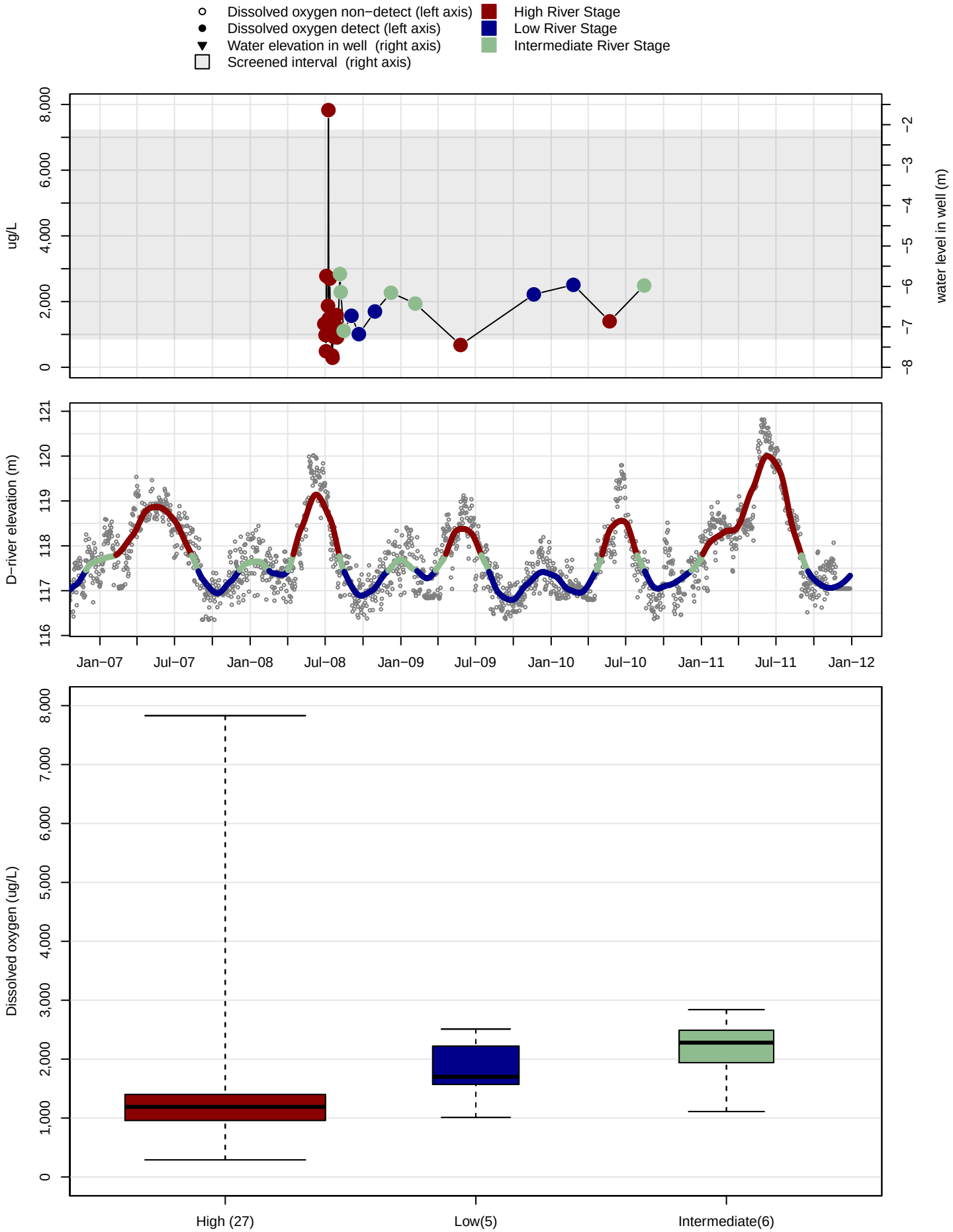
Mann Whitney p = 1.4e−01 t−test p = 2.14e−01

199−N−141 (8m) Lag (Indeterminate)



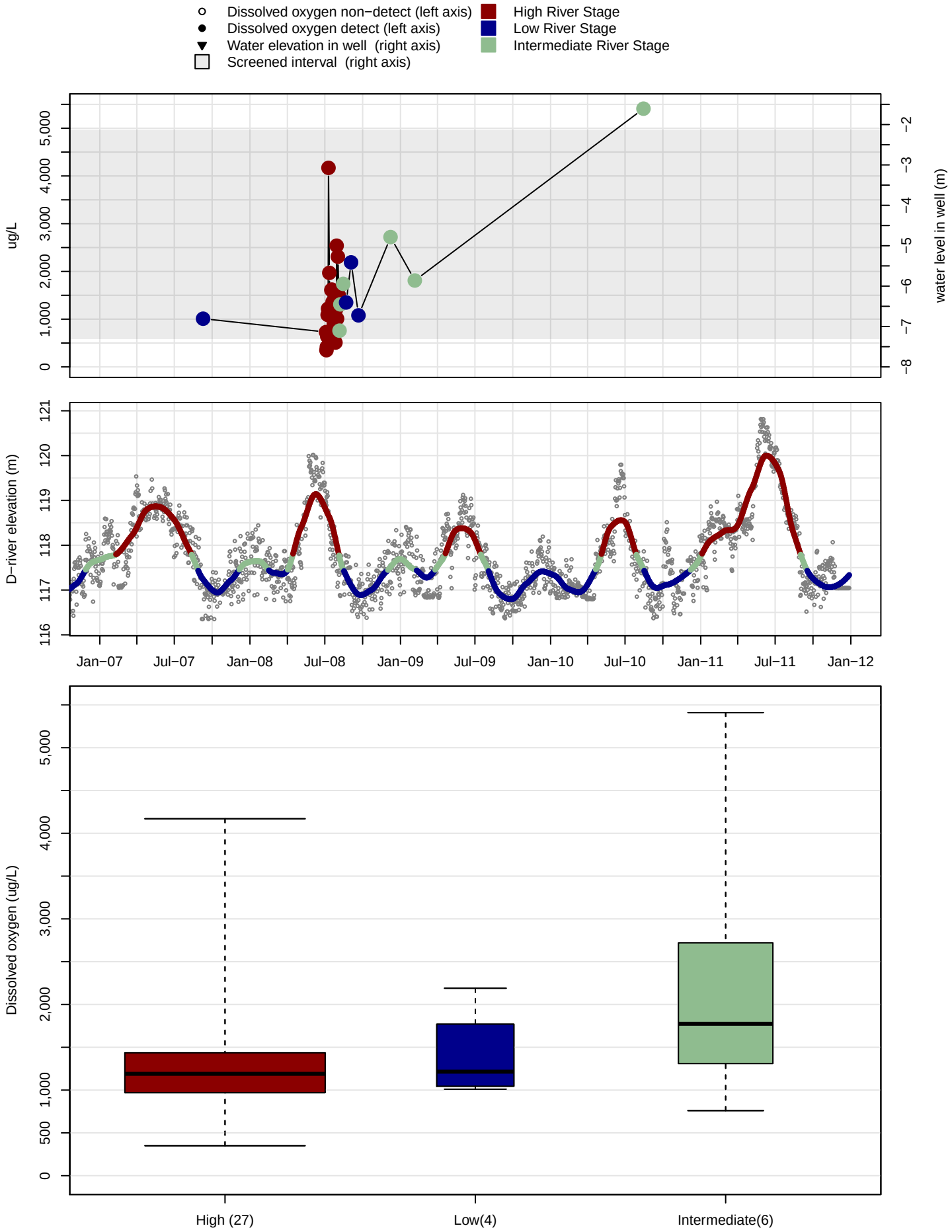
Mann Whitney p = 7.87e−01 t−test p = 1.48e−01

199−N−142 (8m) Lag (Indeterminate)



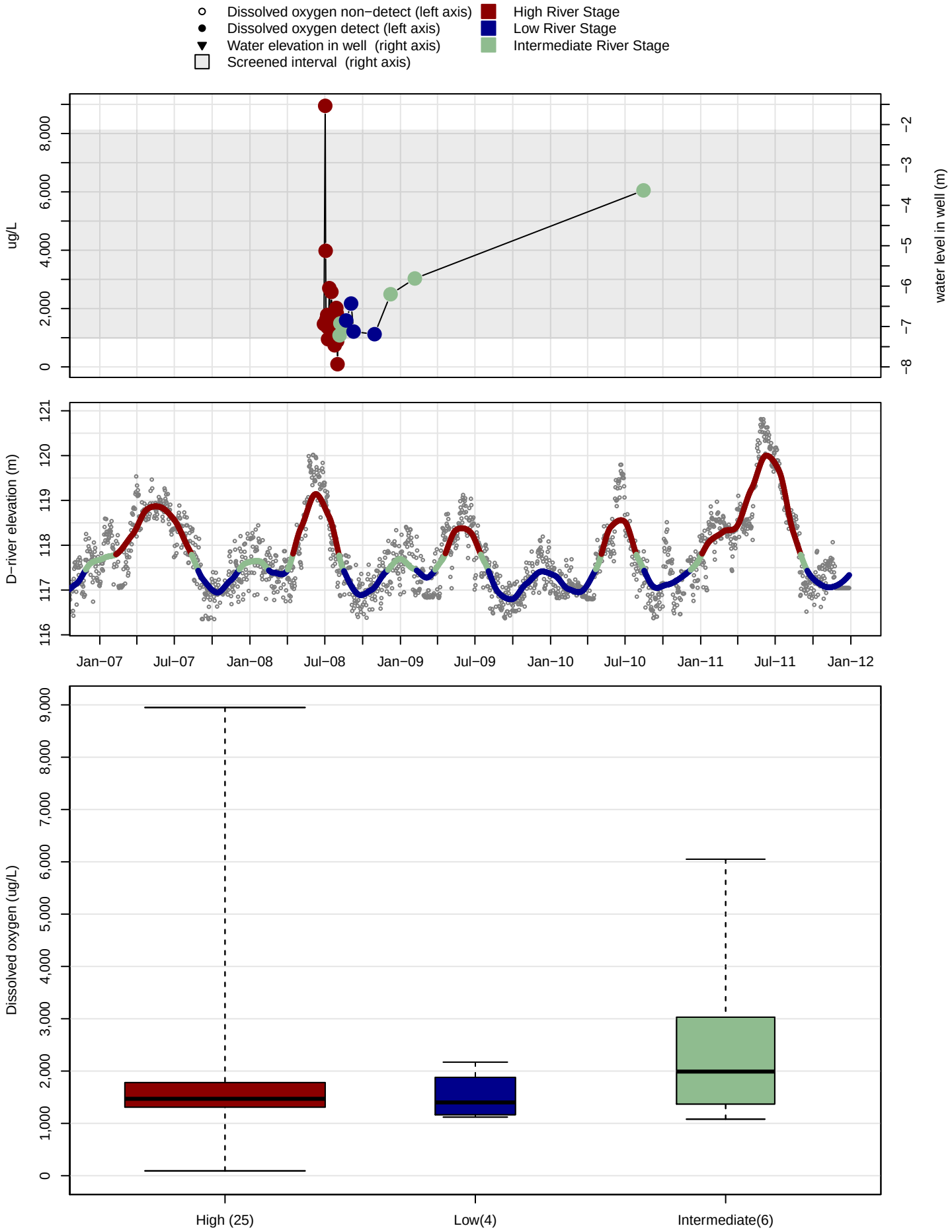
Mann Whitney p = 7e−02 t−test p = 3.94e−01

199−N−143 (7m) Lag (Indeterminate)



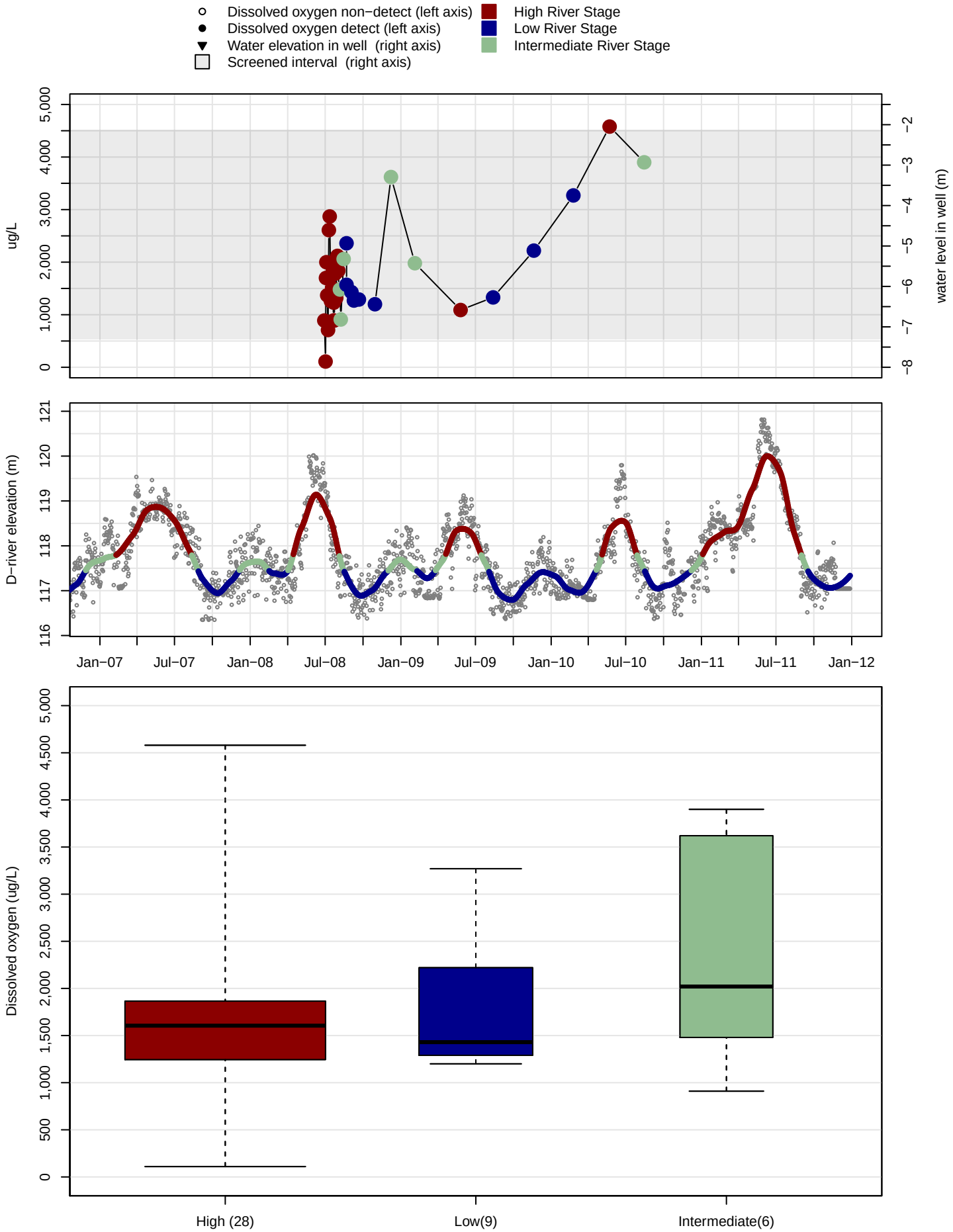
Mann Whitney p = 7.87e−01 t−test p = 7.6e−01

199−N−144 (5m) Lag (Indeterminate)



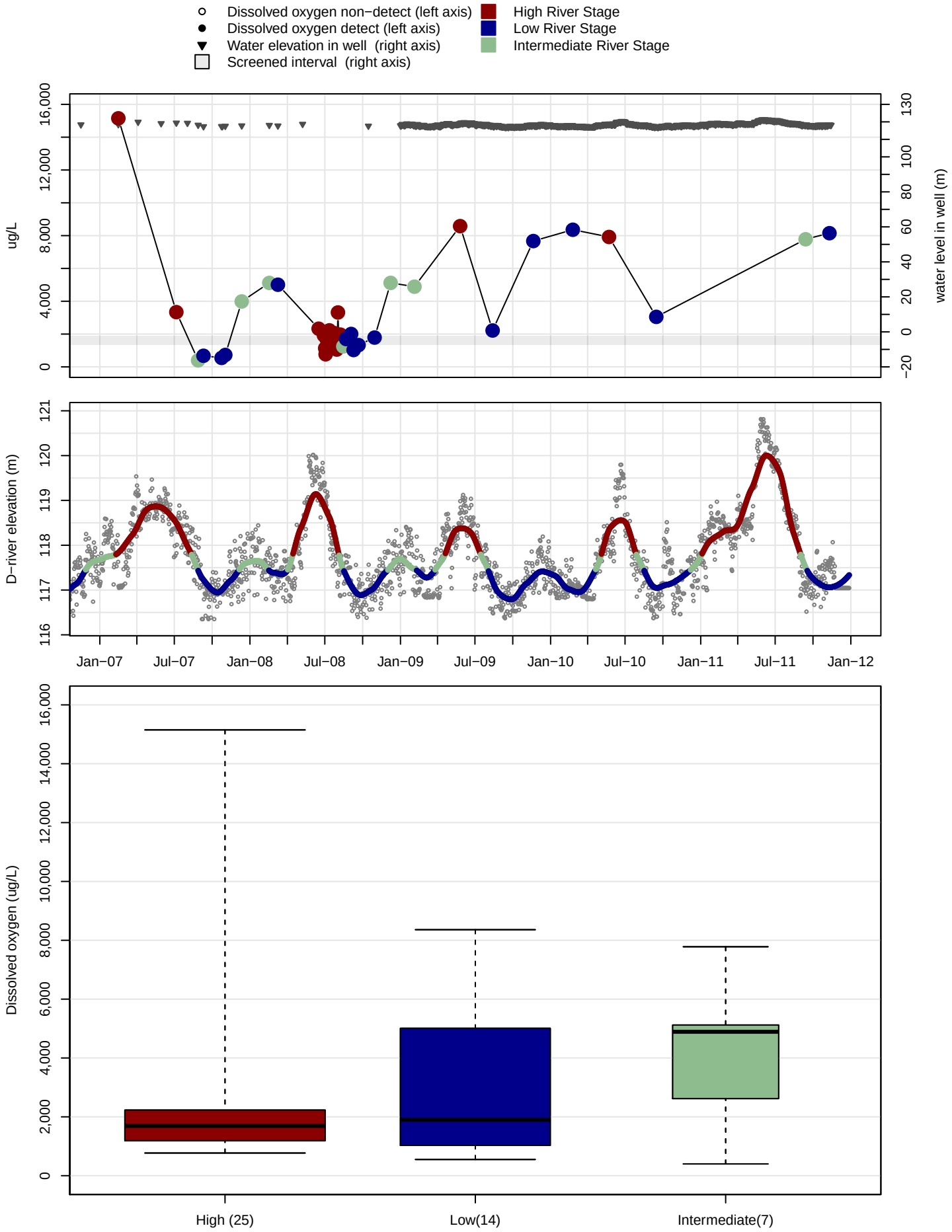
Mann Whitney p = 7.84e−01 t−test p = 4.1e−01

199−N−145 (6m) Lag (Indeterminate)



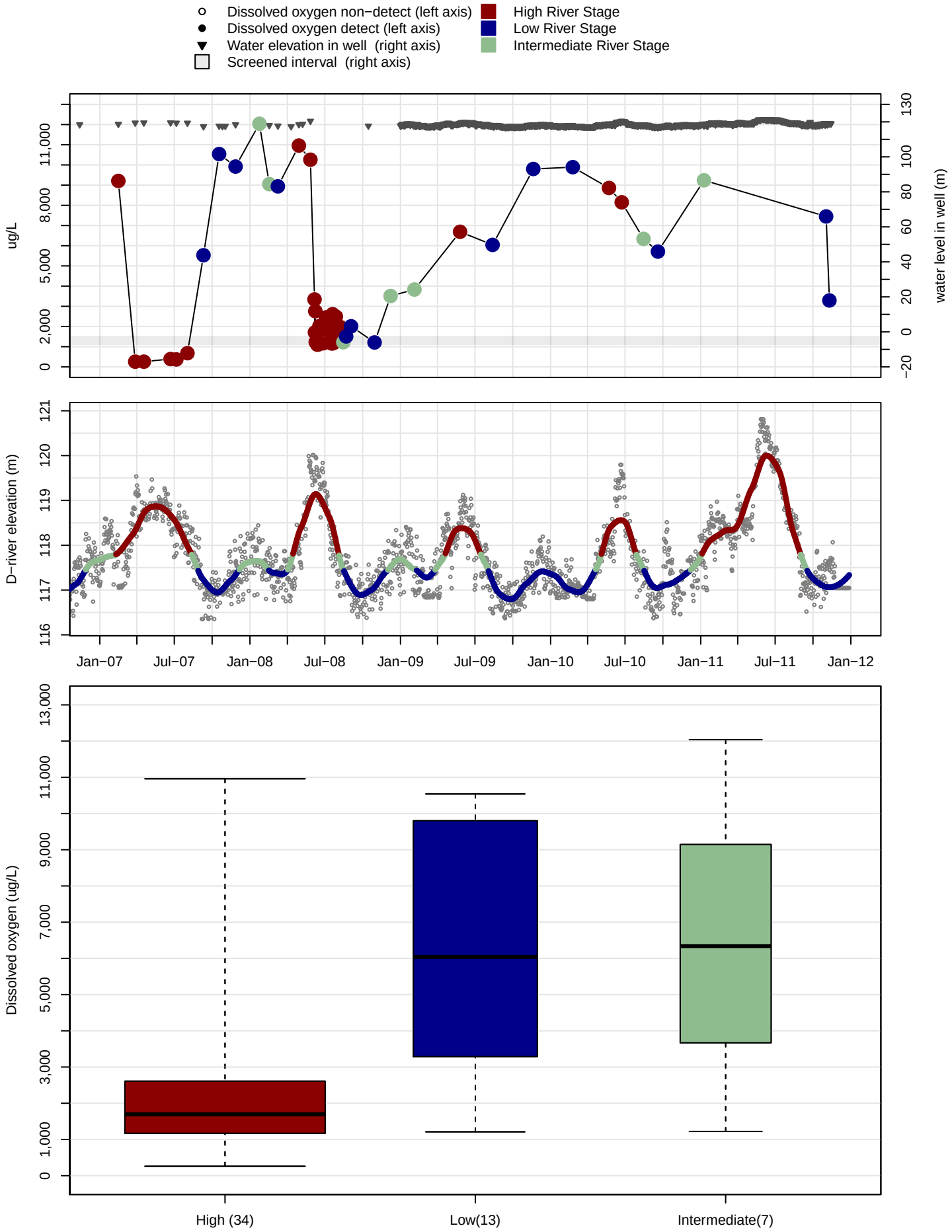
Mann Whitney p = 7.41e−01 t−test p = 6.67e−01

199−N−146 (4m) Lag (3 Days)



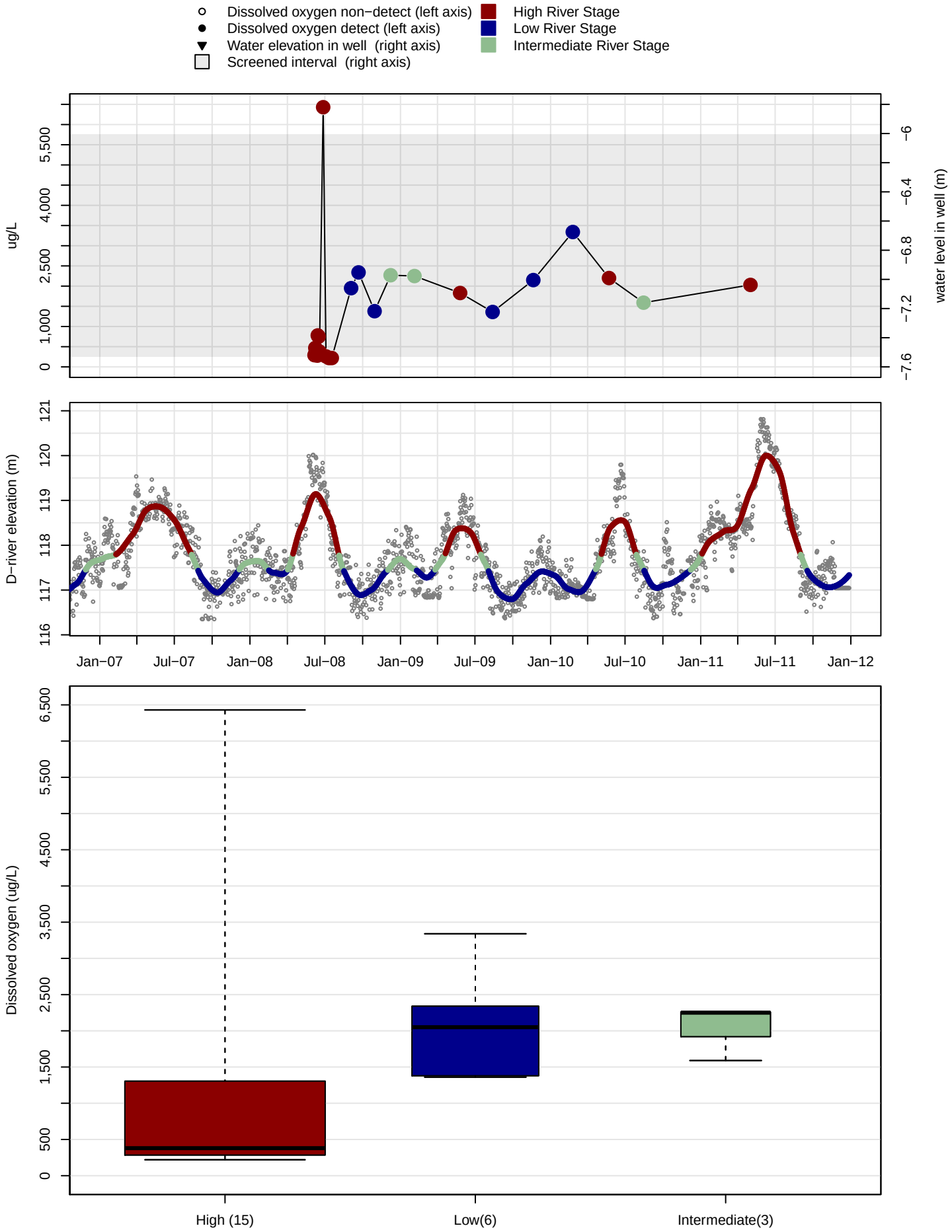
Mann Whitney p = 8.85e−01 t−test p = 7.04e−01

199−N−147 (5m) Lag (4 Days)



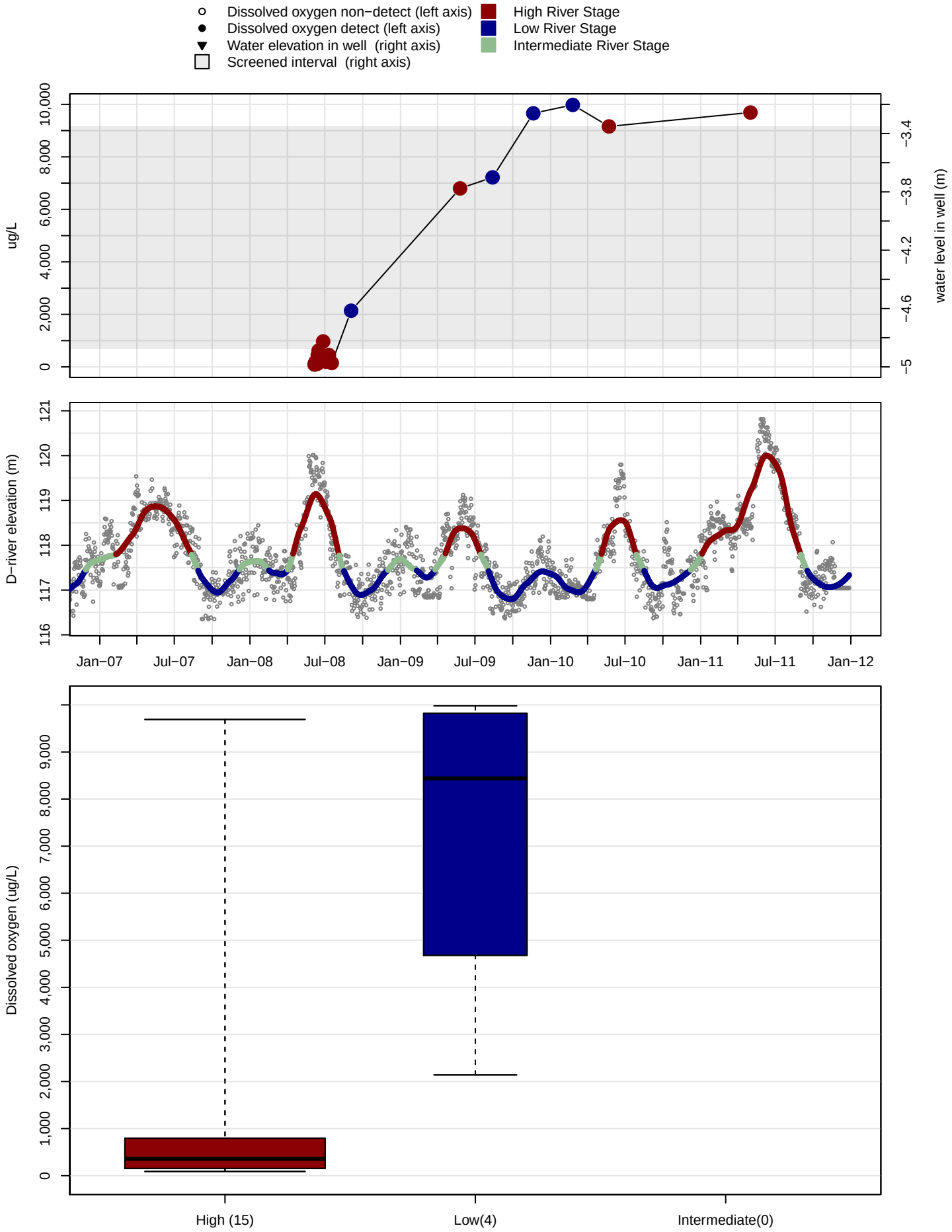
Mann Whitney p = 2.15e−03 t−test p = 4.84e−03

199−N−148 (4m) Lag (Indeterminate)



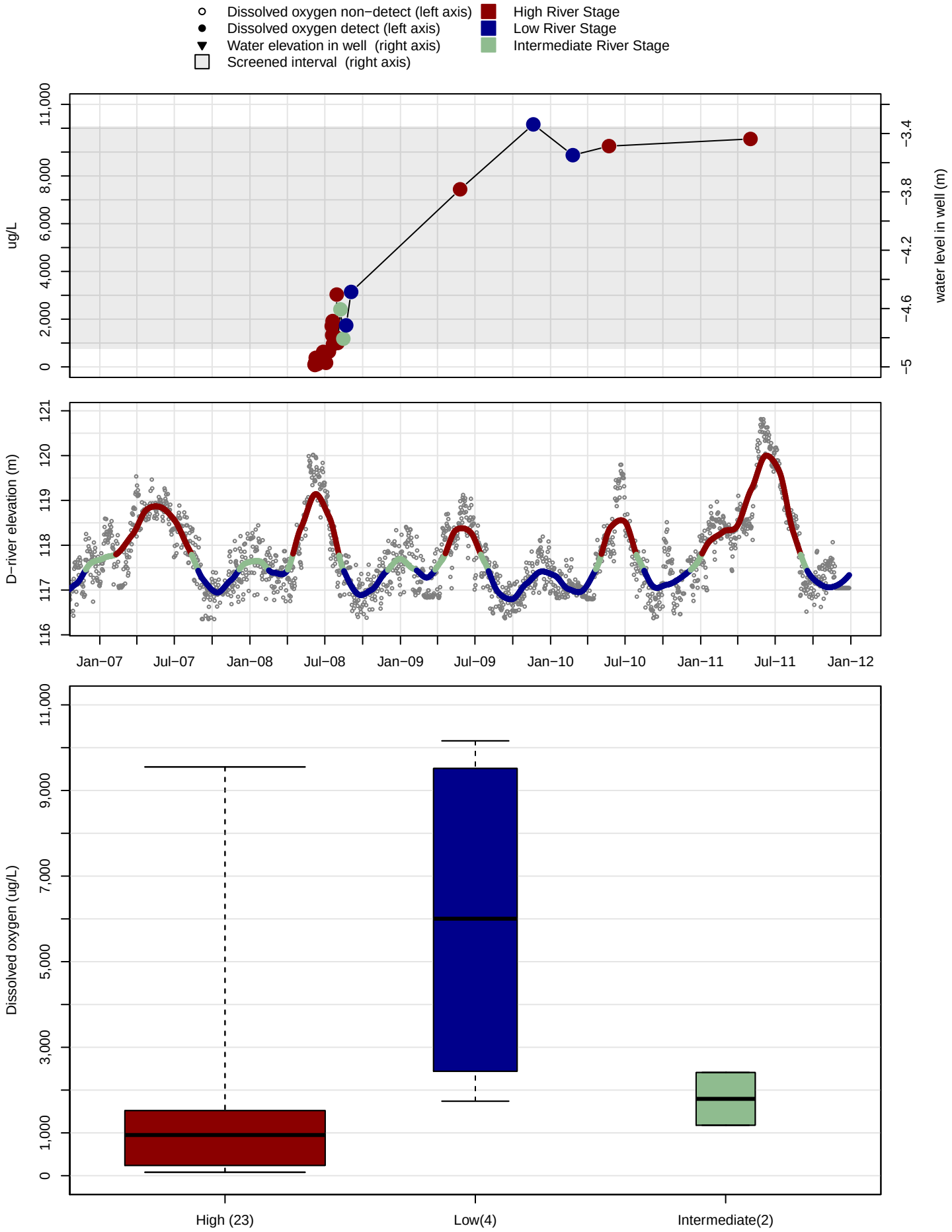
Mann Whitney p = 1.75e−02 t−test p = 7.67e−02

199−N−149 (4m) Lag (Indeterminate)



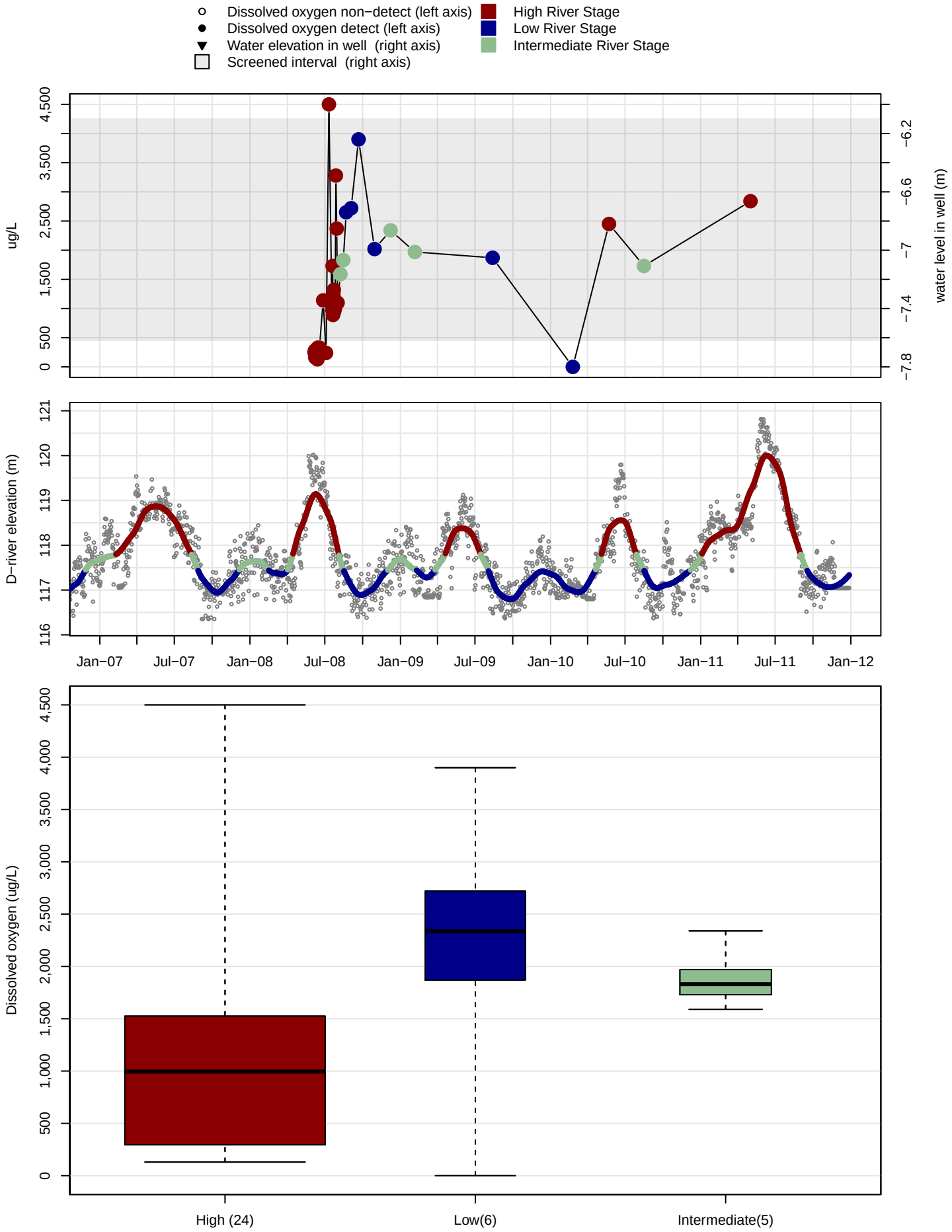
Mann Whitney p = 1.24e−02 t−test p = 5.17e−02

199−N−150 (6m) Lag (Indeterminate)



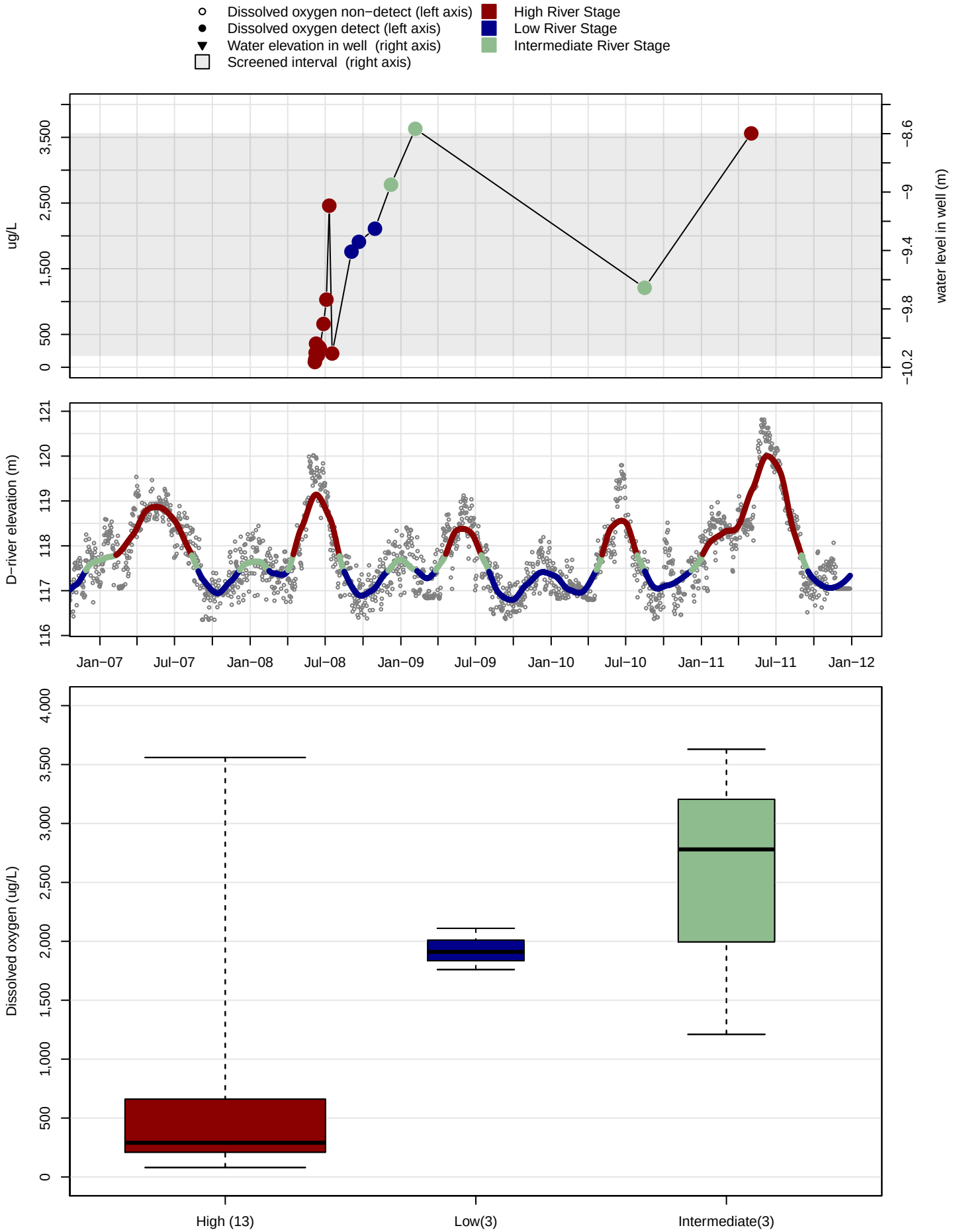
Mann Whitney p = 1.06e−02 t−test p = 1.39e−01

199−N−151 (6m) Lag (Indeterminate)



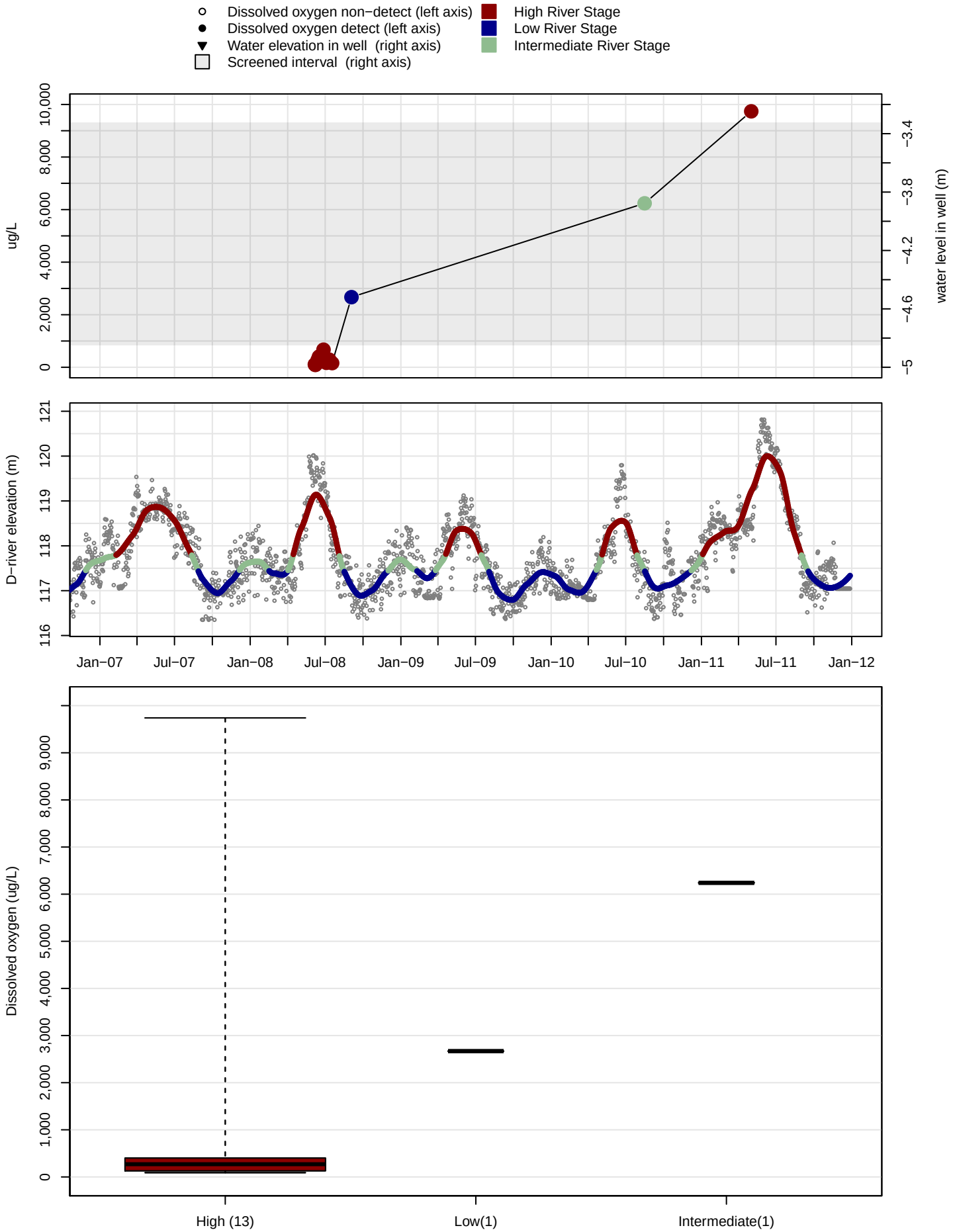
Mann Whitney p = 1.13e−01 t−test p = 1.32e−01

199−N−152 (6m) Lag (Indeterminate)



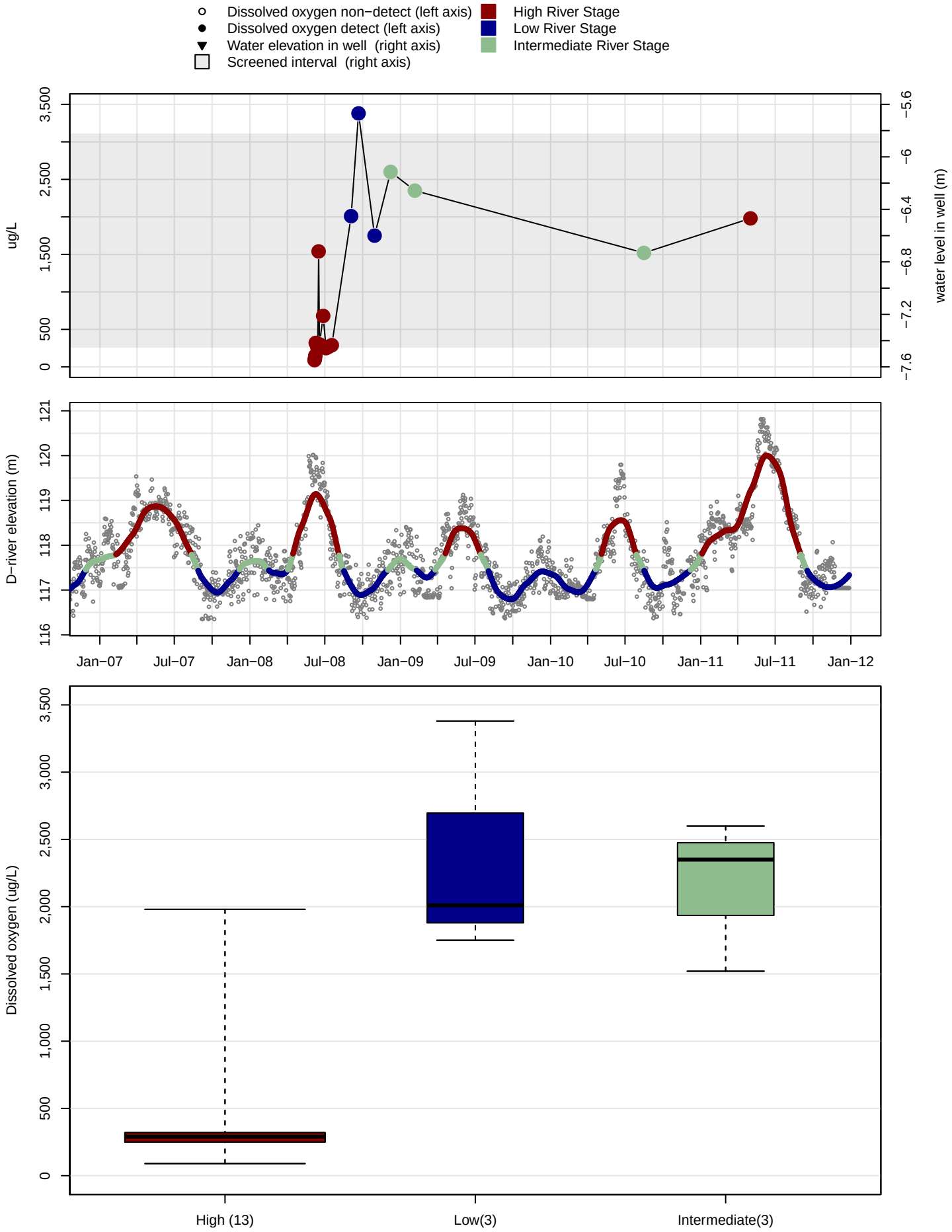
Mann Whitney p = 7.86e−02 t−test p = 2.04e−03

199−N−153 (8m) Lag (Indeterminate)



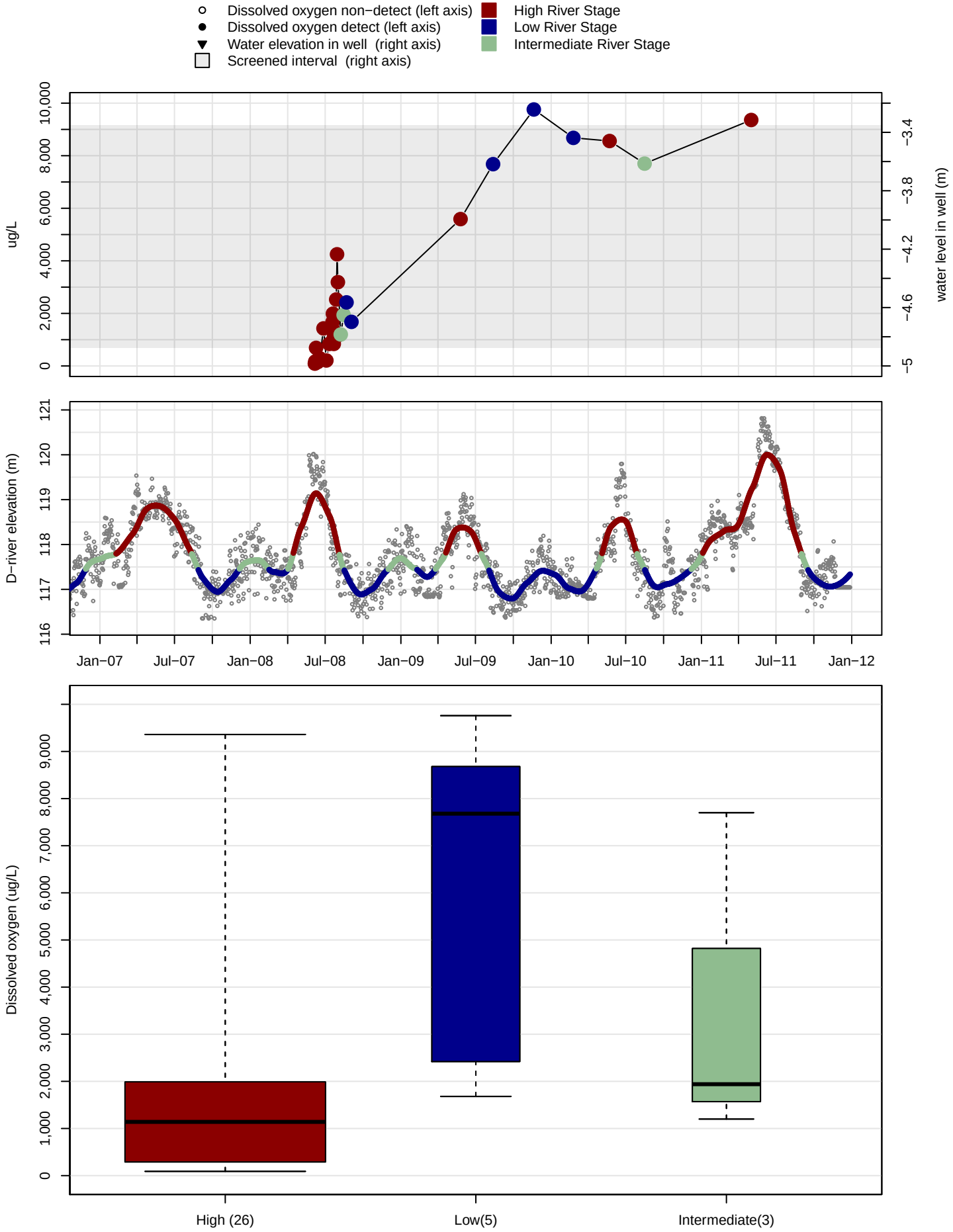
Mann Whitney p = NA t−test p = NA

199−N−154 (9m) Lag (Indeterminate)



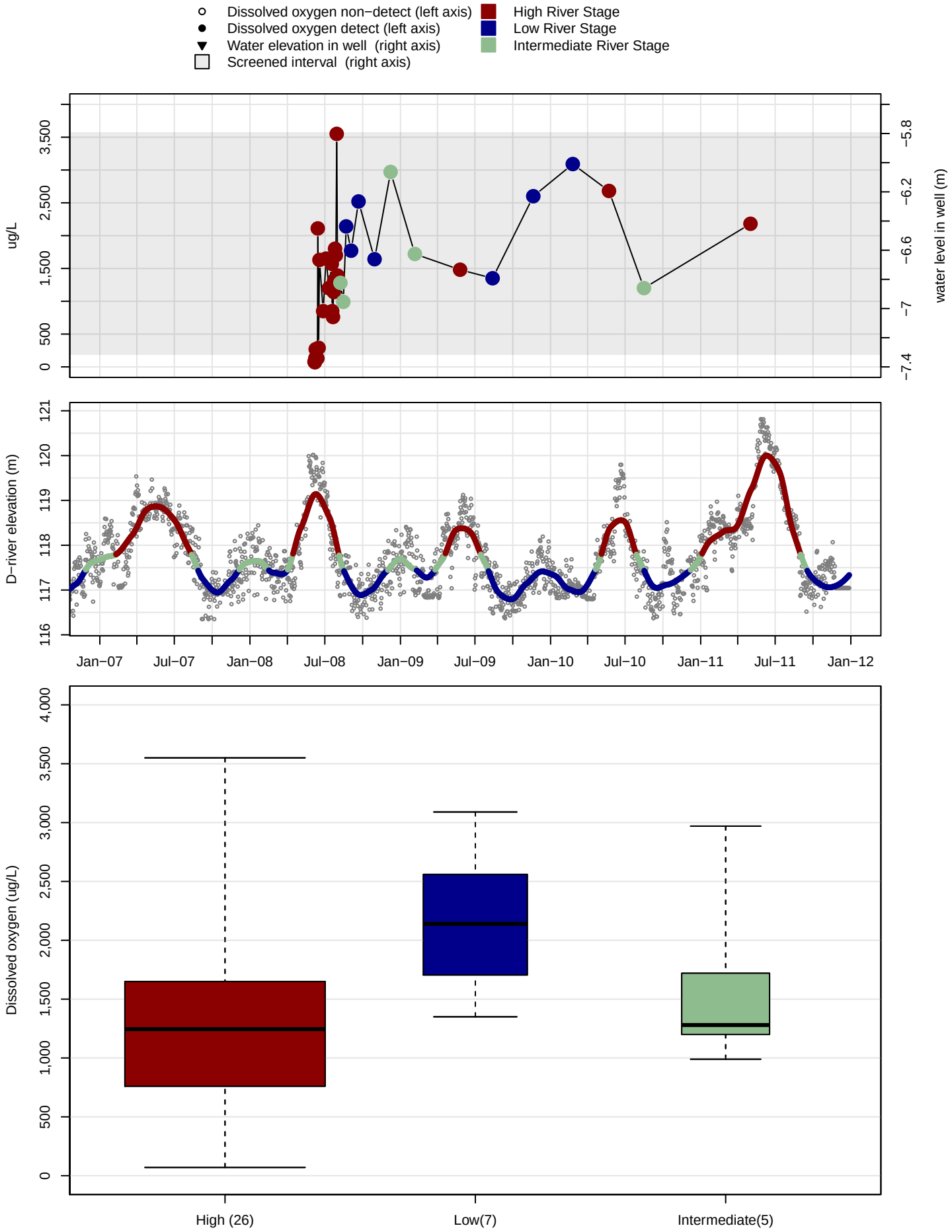
Mann Whitney p = 7.14e−03 t−test p = 5.36e−02

199−N−155 (8m) Lag (Indeterminate)



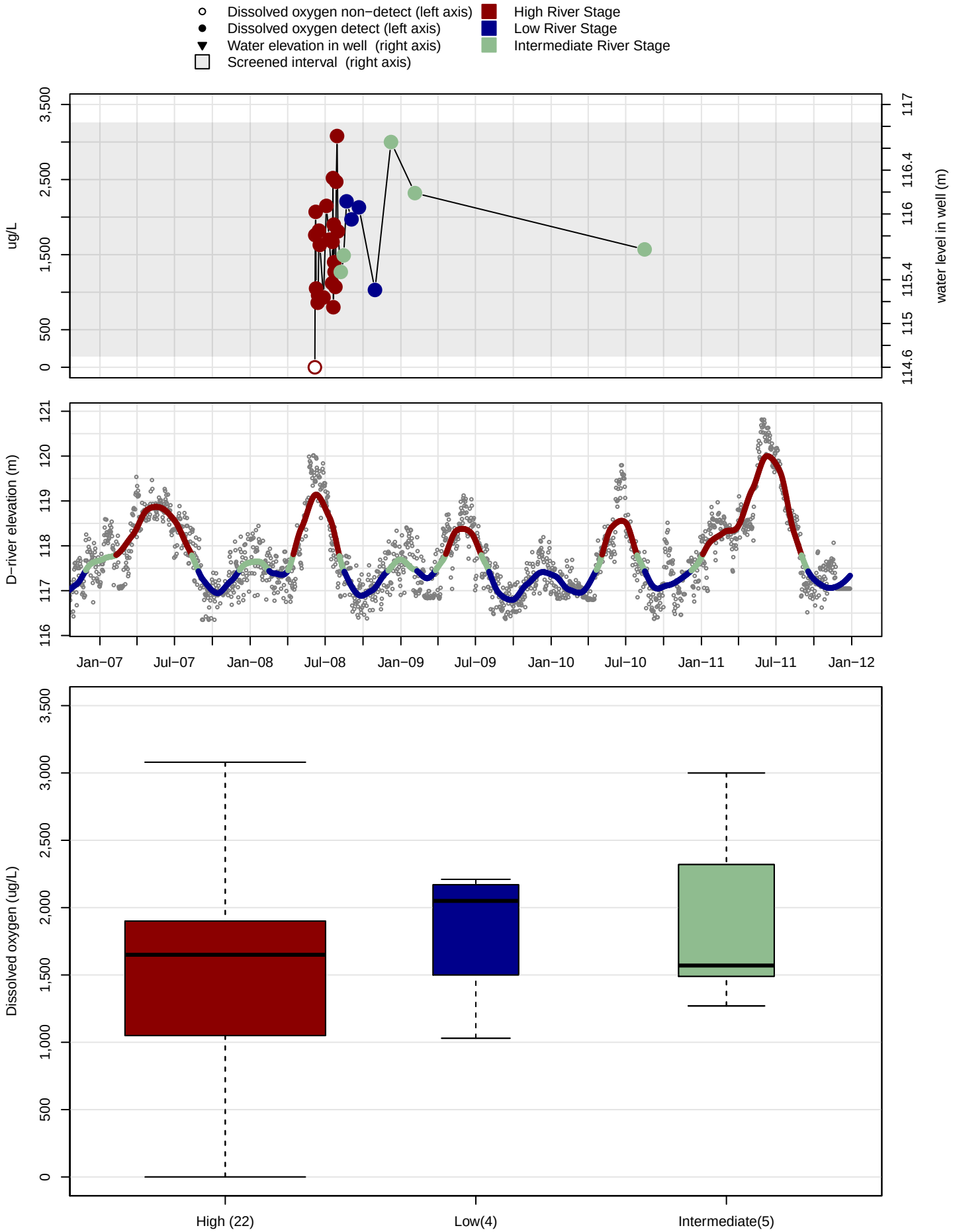
Mann Whitney p = 5.8e−03 t−test p = 6.66e−02

199−N−156 (9m) Lag (Indeterminate)



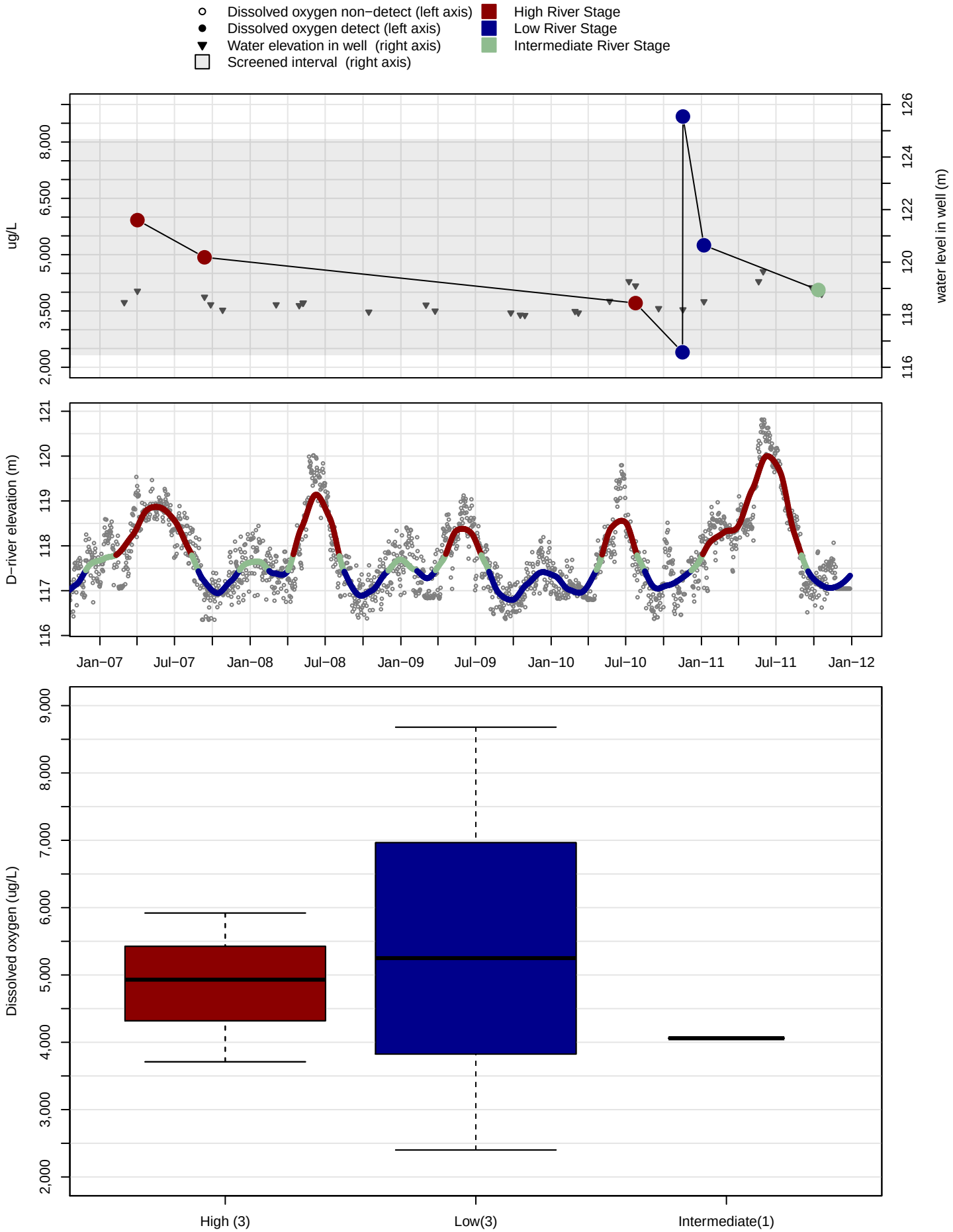
Mann Whitney p = 6.38e−03 t−test p = 7.28e−03

199−N−159 (9m) Lag (Indeterminate)



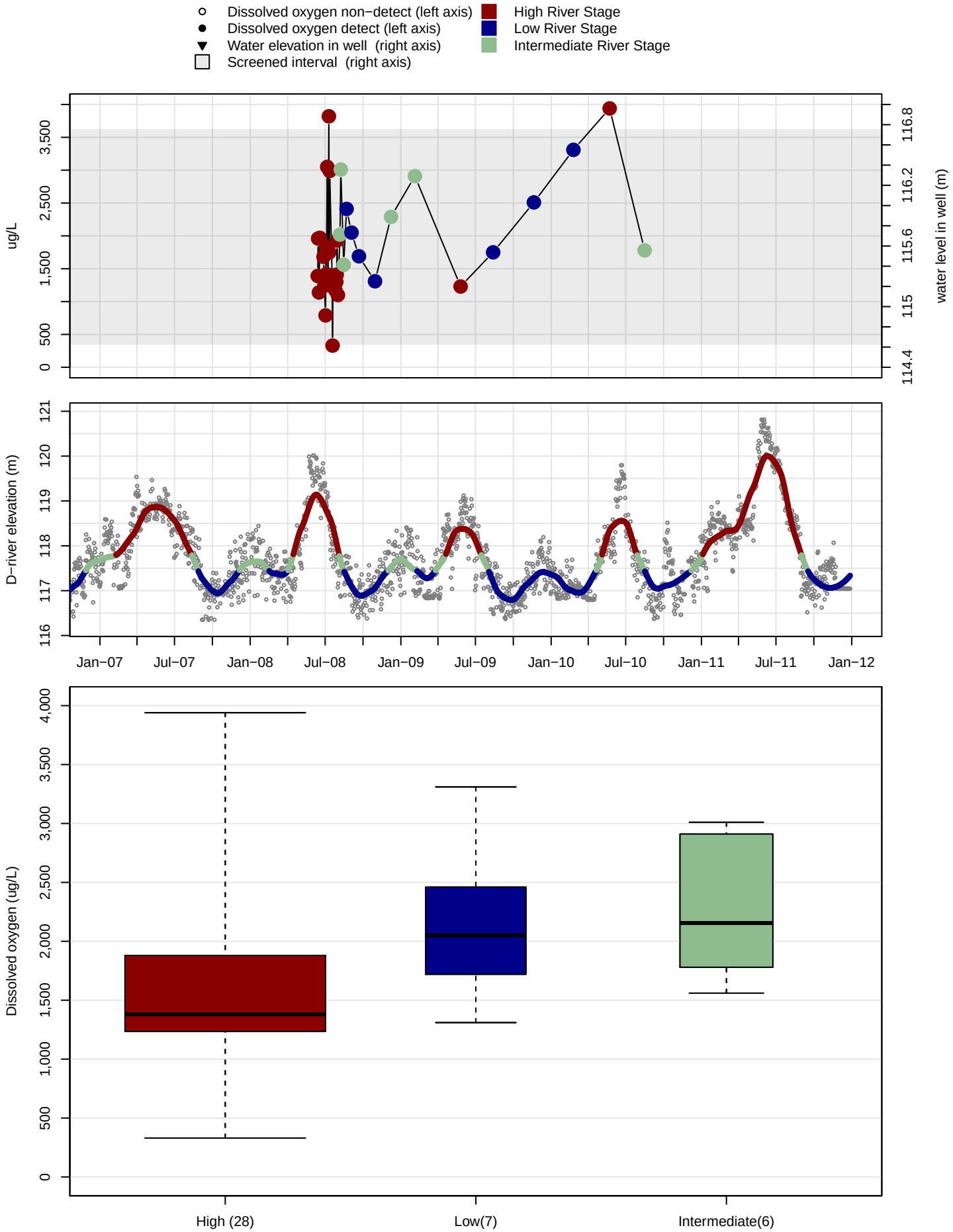
Mann Whitney p = 3.16e−01 t−test p = 3.97e−01

199−N−16 (257m) Lag (36 Days)



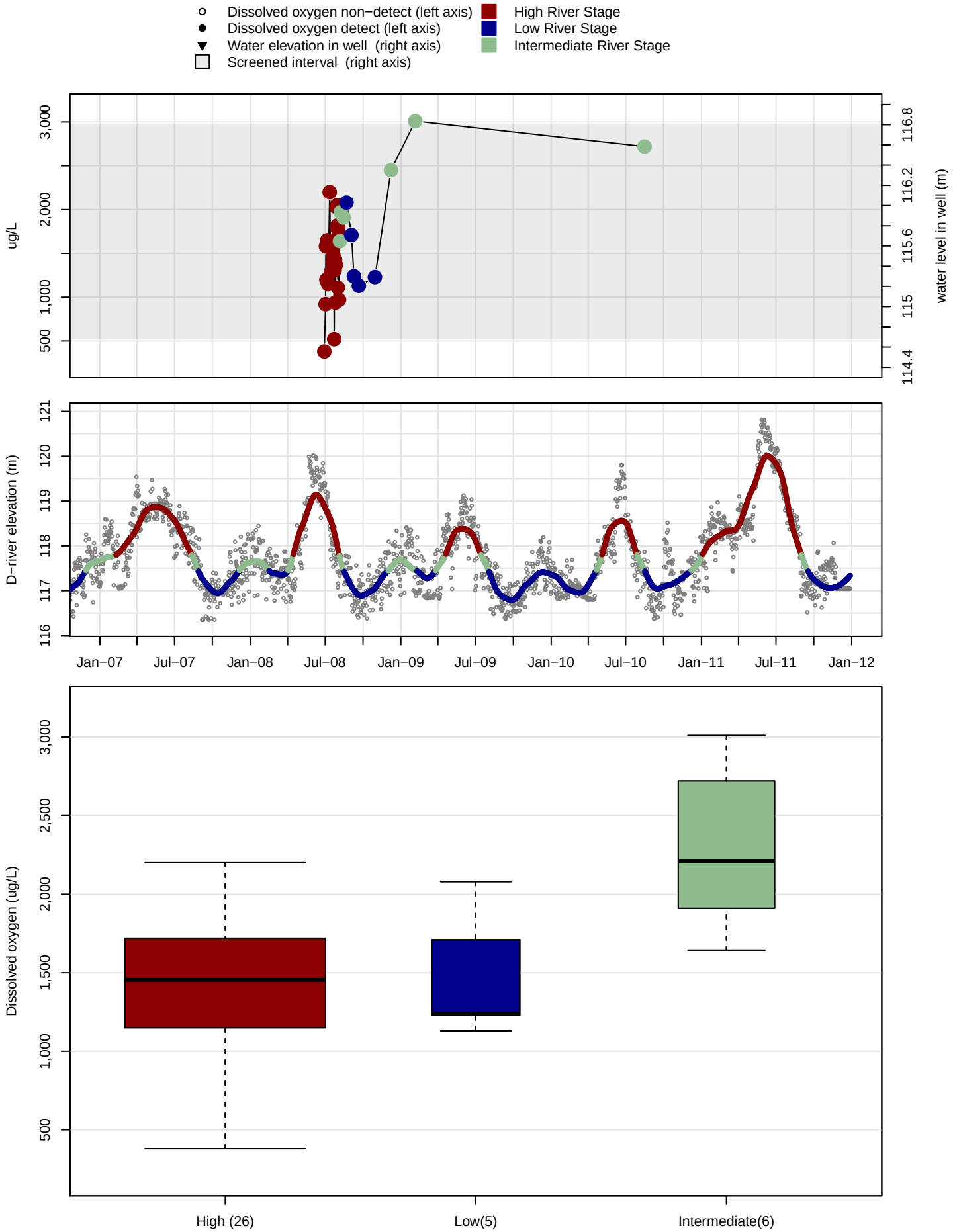
Mann Whitney p = 1e+00 t−test p = 7.83e−01

199−N−160 (8m) Lag (Indeterminate)



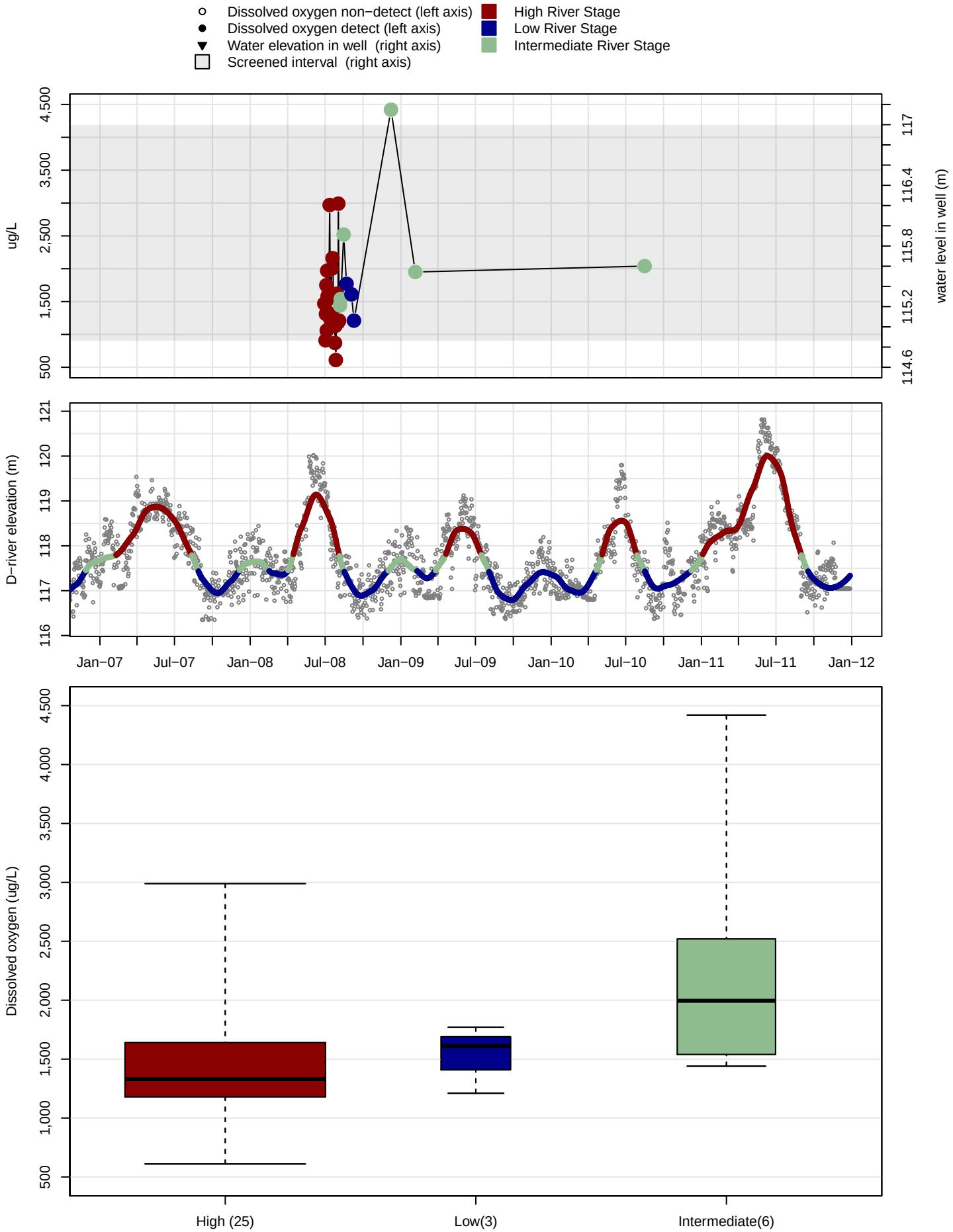
Mann Whitney p = 3.61e−02 t−test p = 1.29e−01

199−N−161 (4m) Lag (Indeterminate)



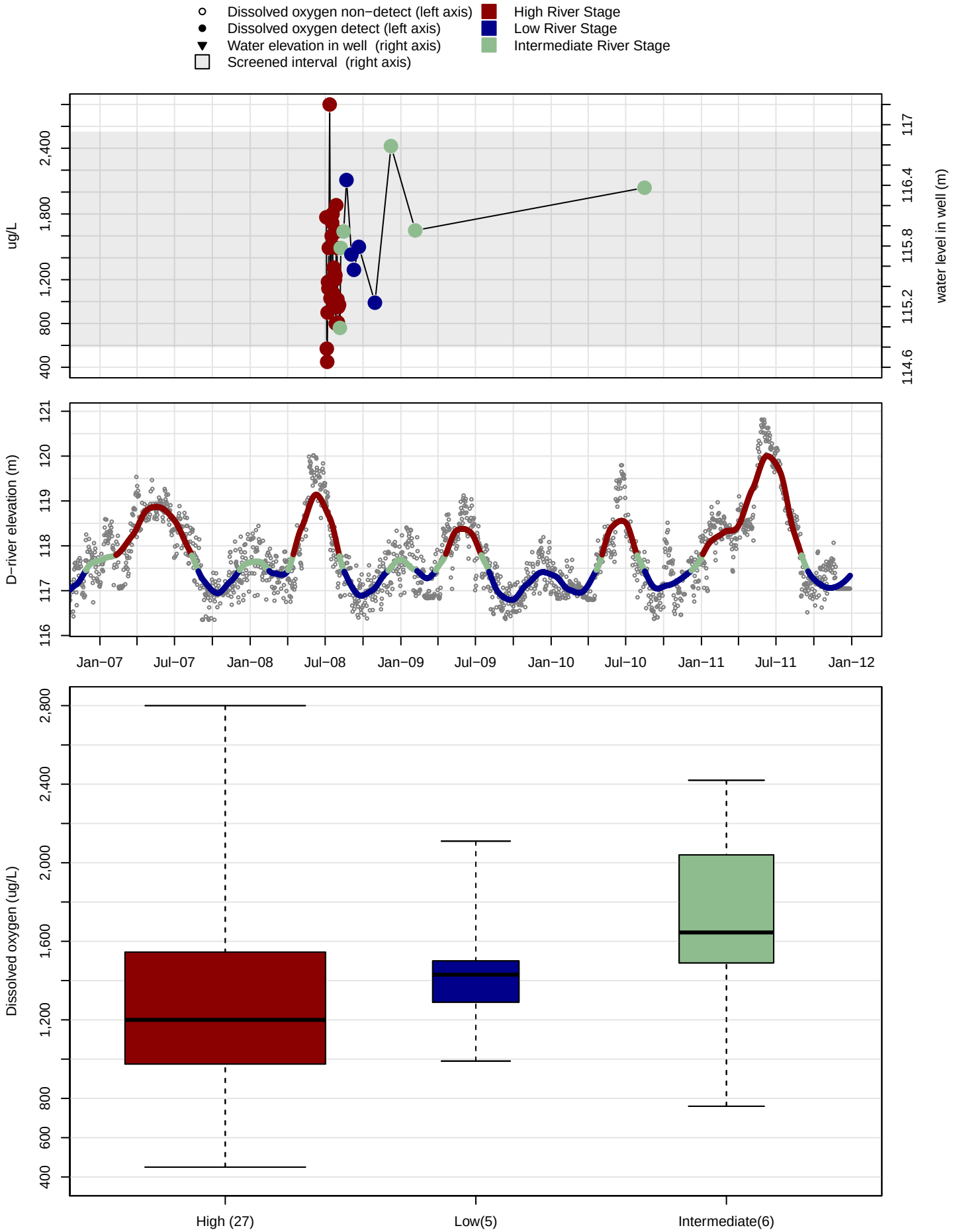
Mann Whitney p = 9.73e−01 t−test p = 7.68e−01

199−N−162 (6m) Lag (Indeterminate)



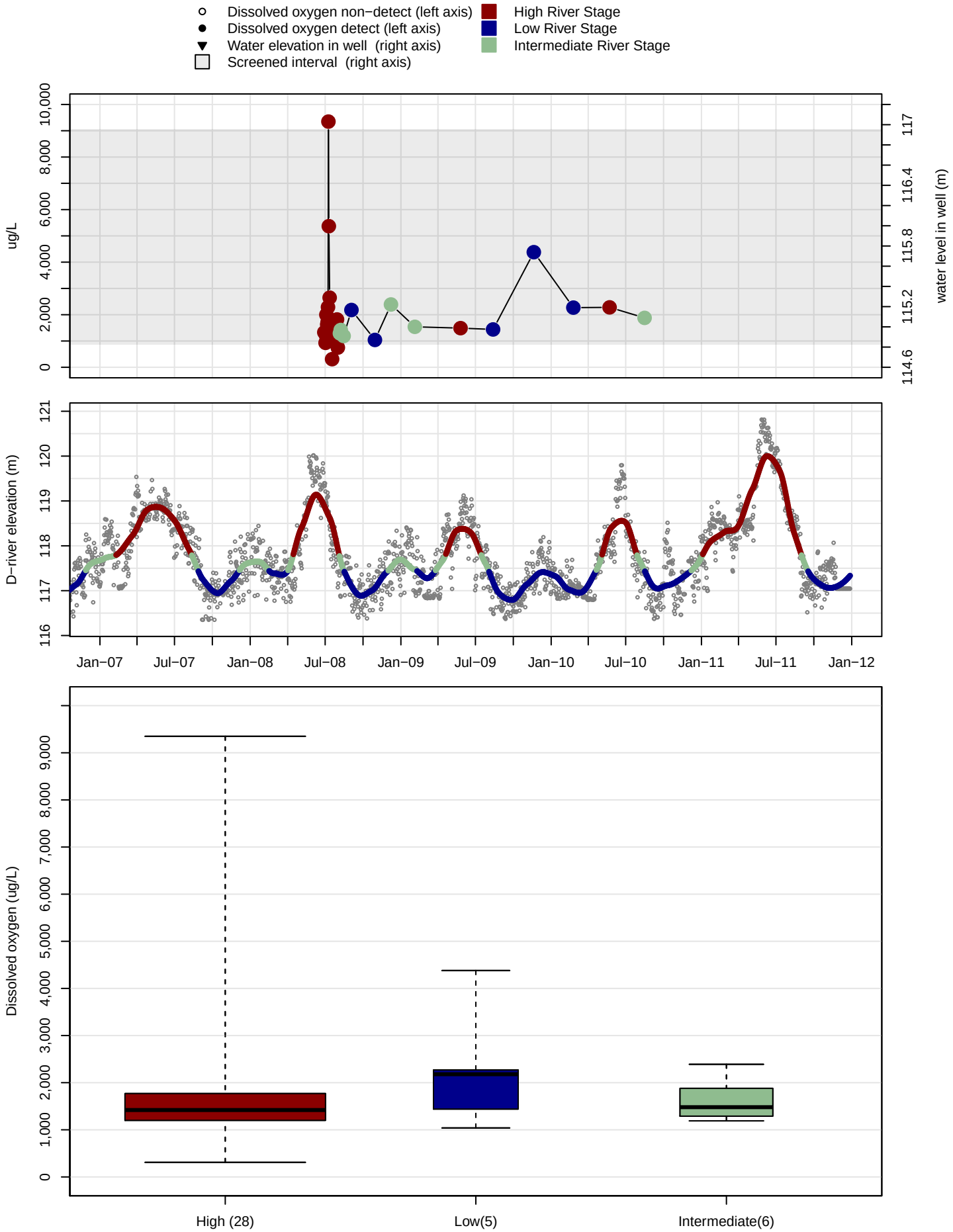
Mann Whitney p = 6.13e−01 t−test p = 9.32e−01

199−N−163 (7m) Lag (Indeterminate)



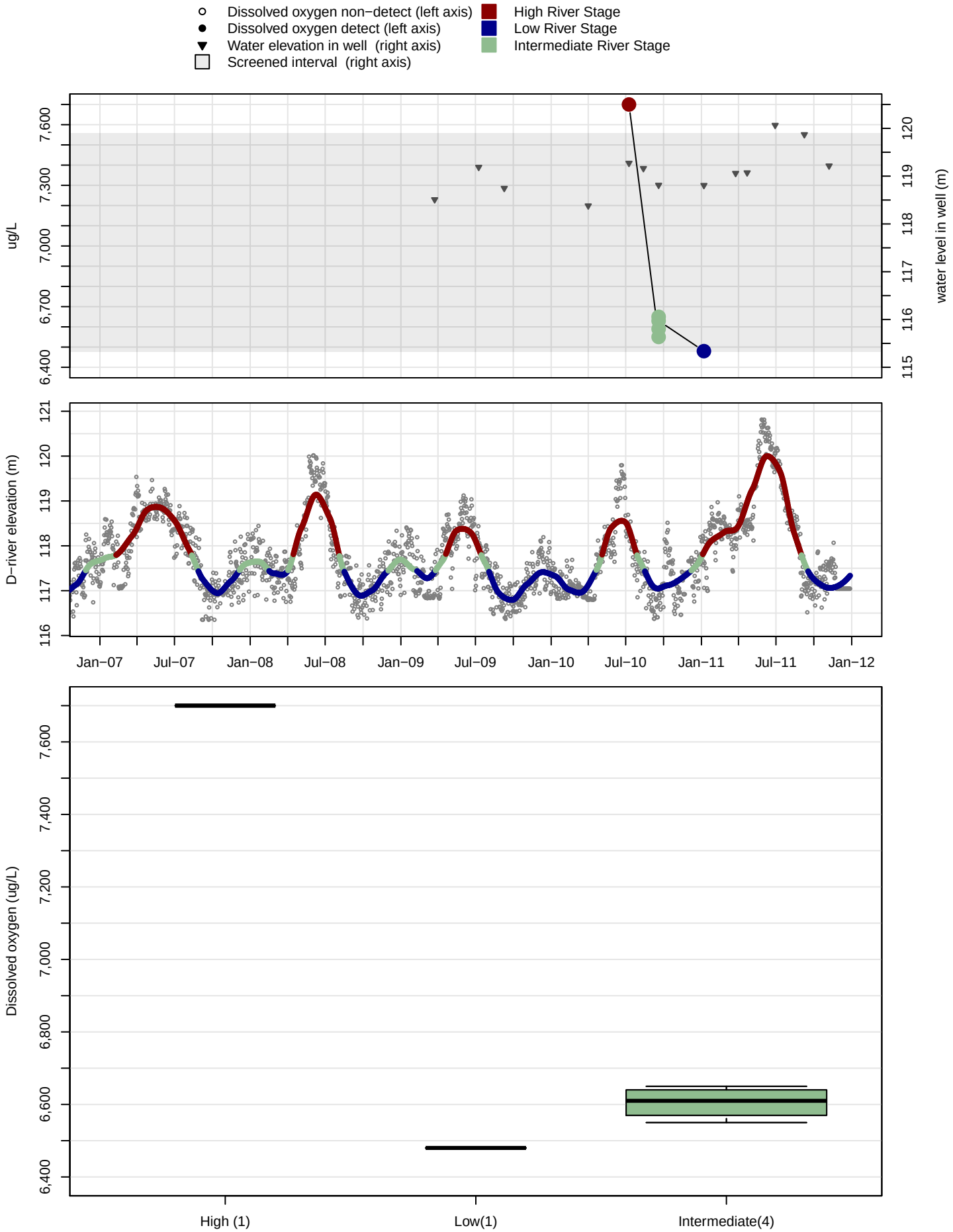
Mann Whitney p = 2.82e−01 t−test p = 3.79e−01

199−N−164 (8m) Lag (Indeterminate)



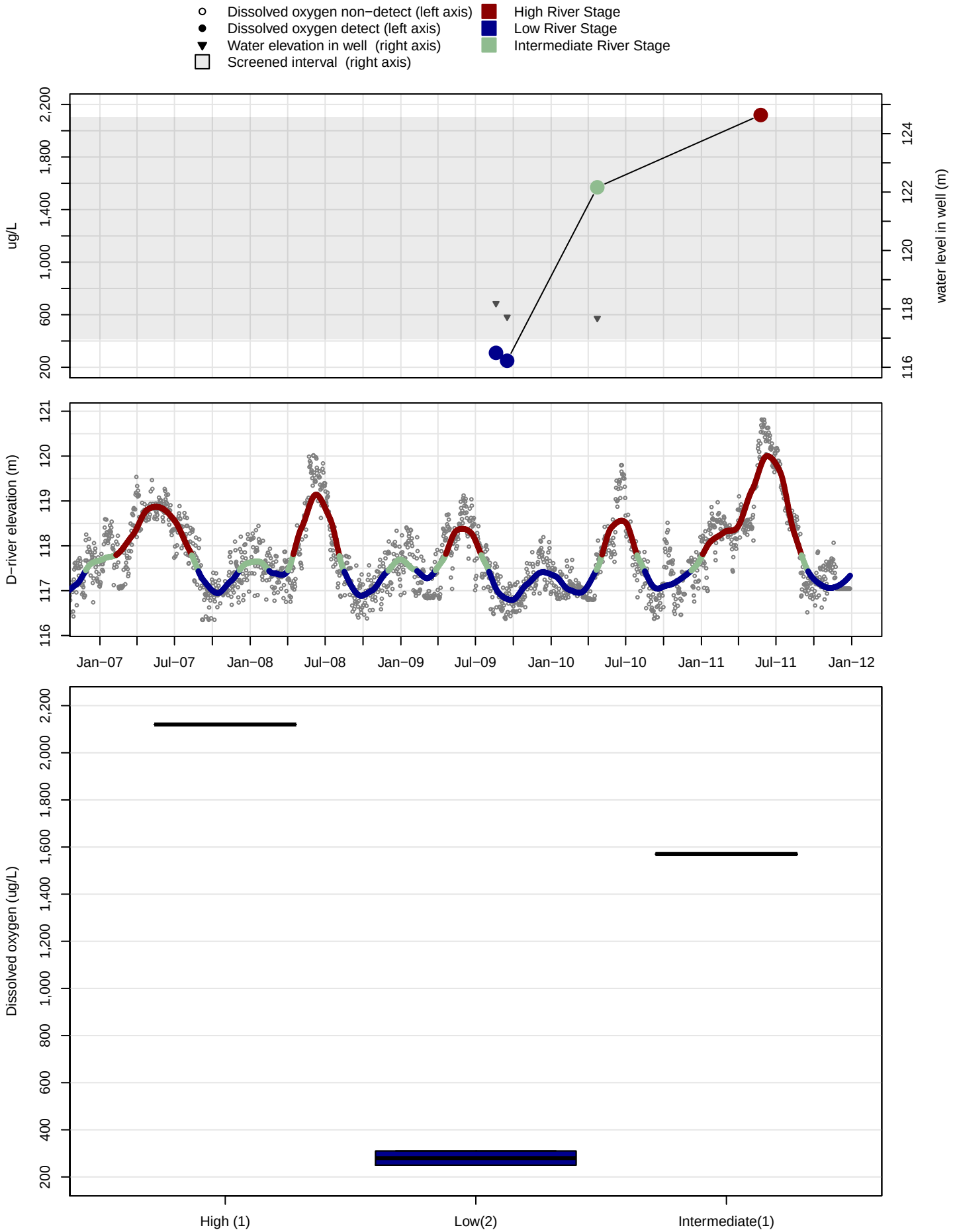
Mann Whitney p = 2.85e−01 t−test p = 5.68e−01

199−N−165 (393m) Lag (46 Days)



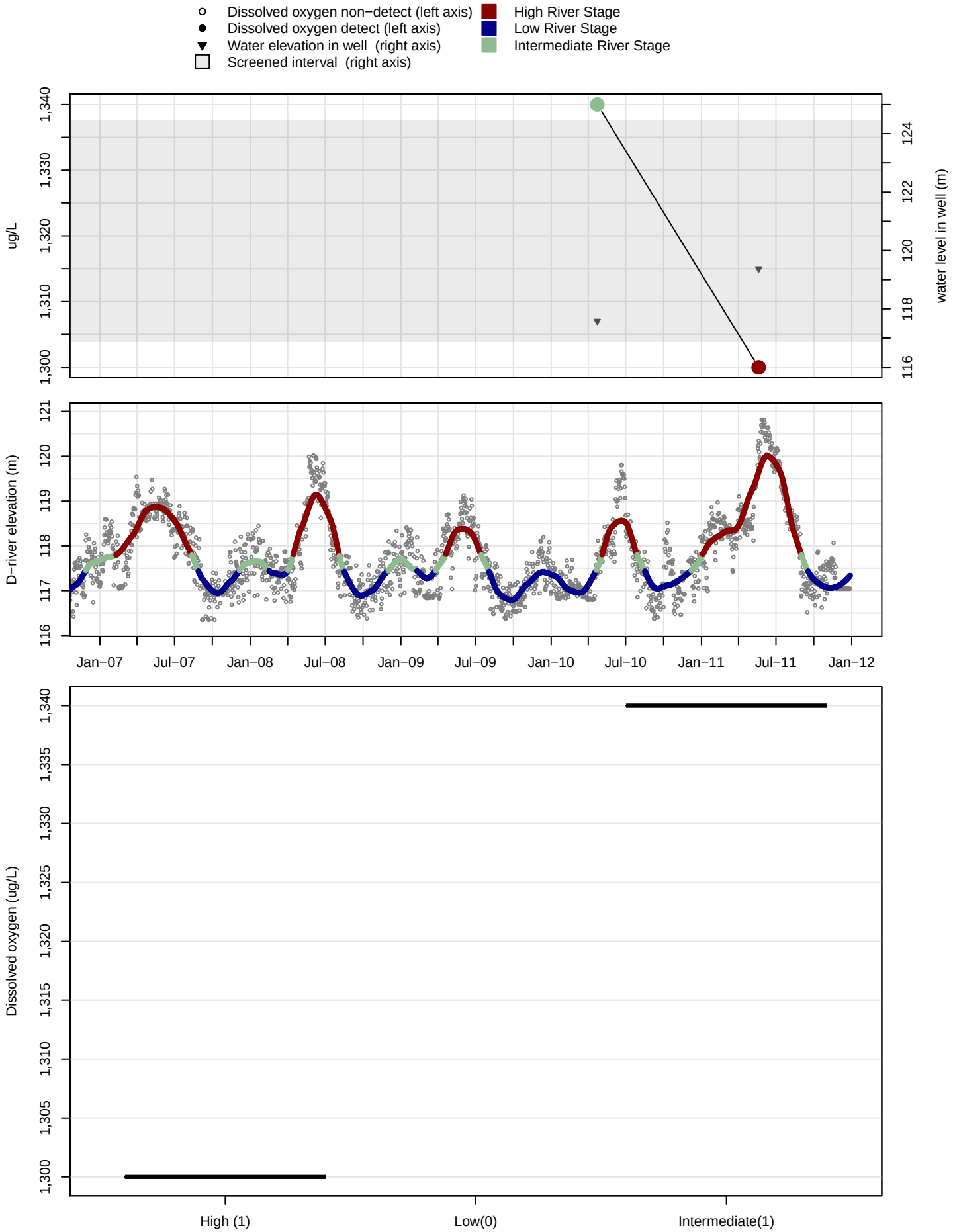
Mann Whitney p = NA t−test p = NA

199−N−167 (131m) Lag (Indeterminate)



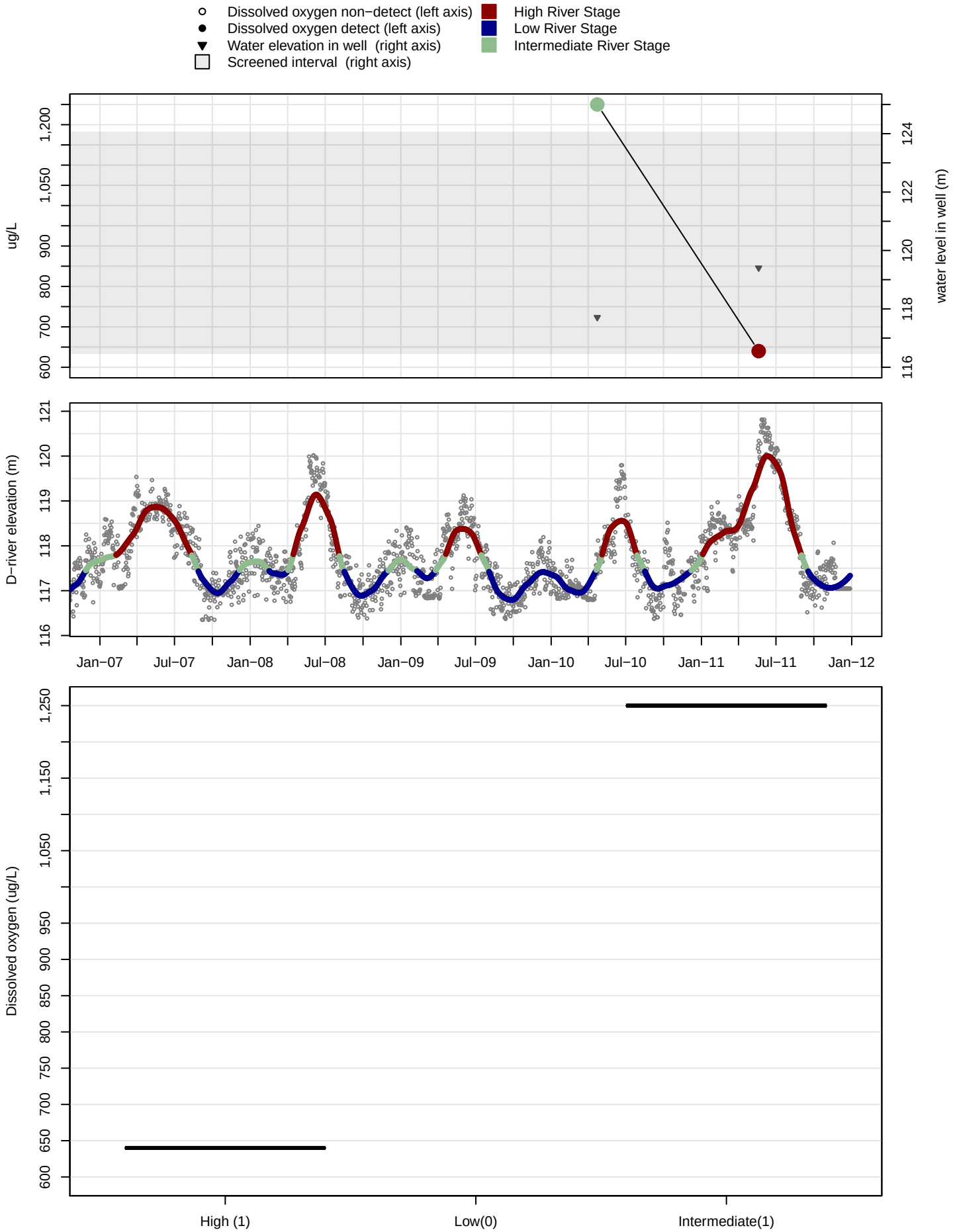
Mann Whitney p = NA t−test p = NA

199−N−169 (126m) Lag (Indeterminate)



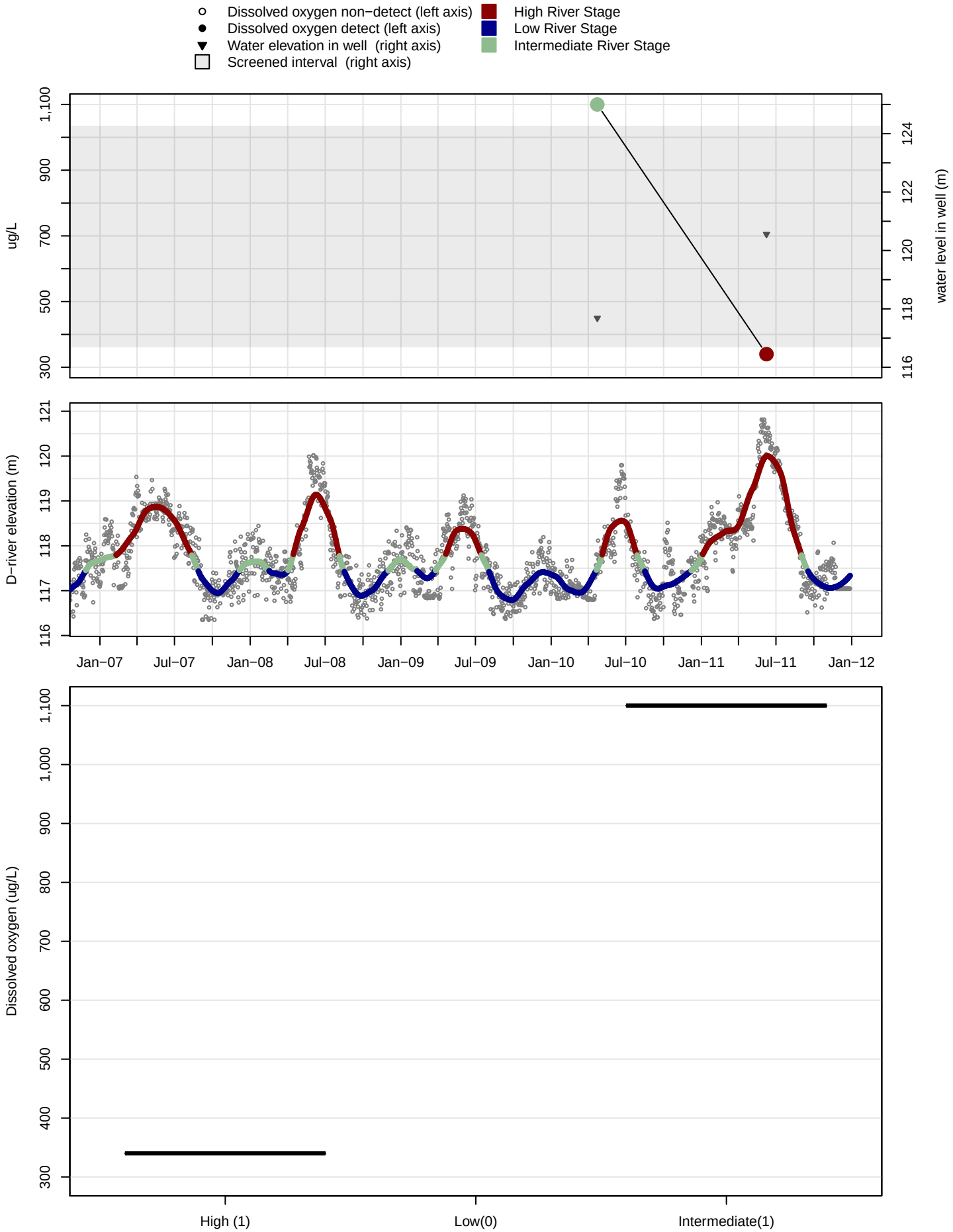
Mann Whitney p = NA t−test p = NA

199−N−170 (116m) Lag (Indeterminate)



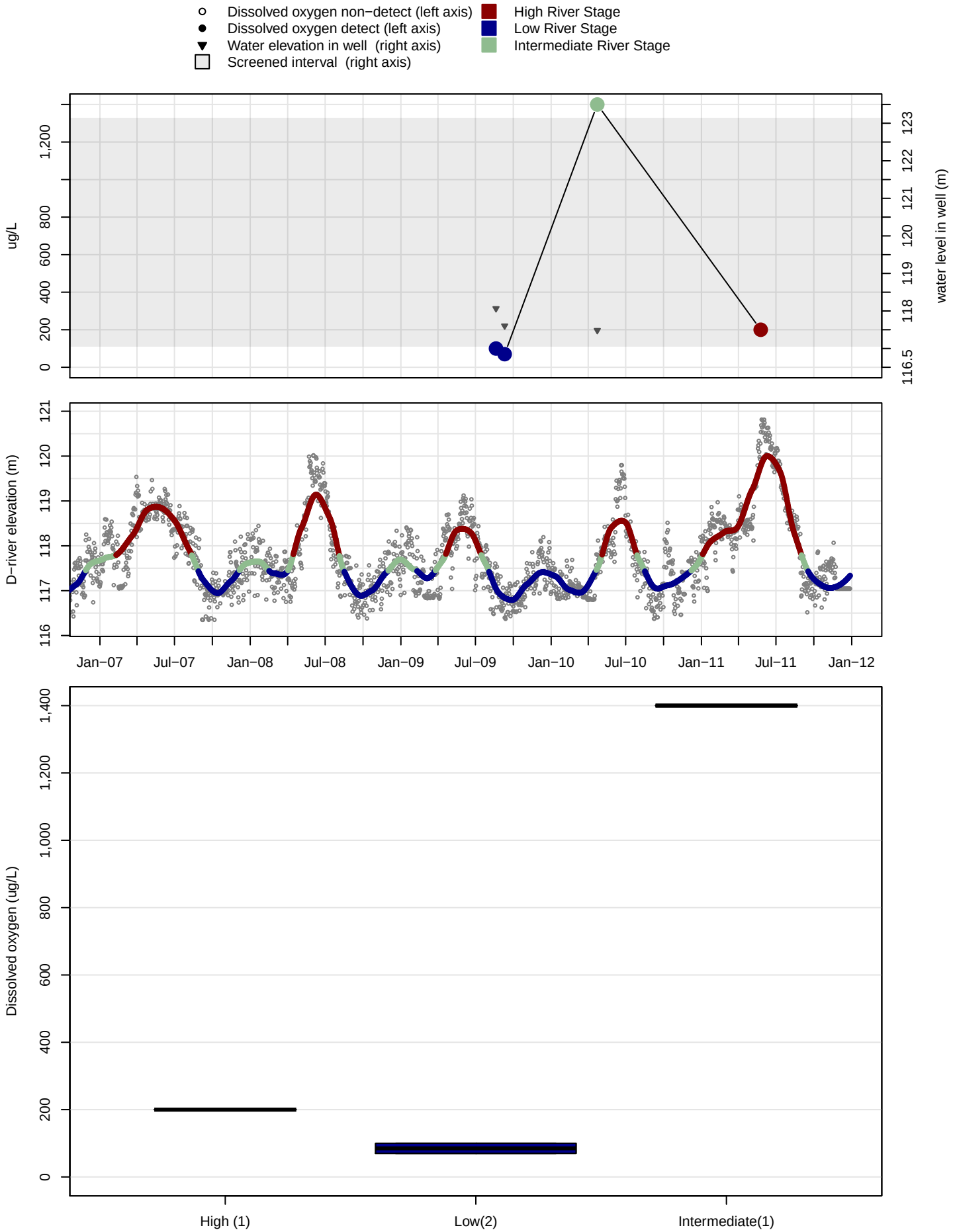
Mann Whitney p = NA t−test p = NA

199−N−171 (108m) Lag (Indeterminate)



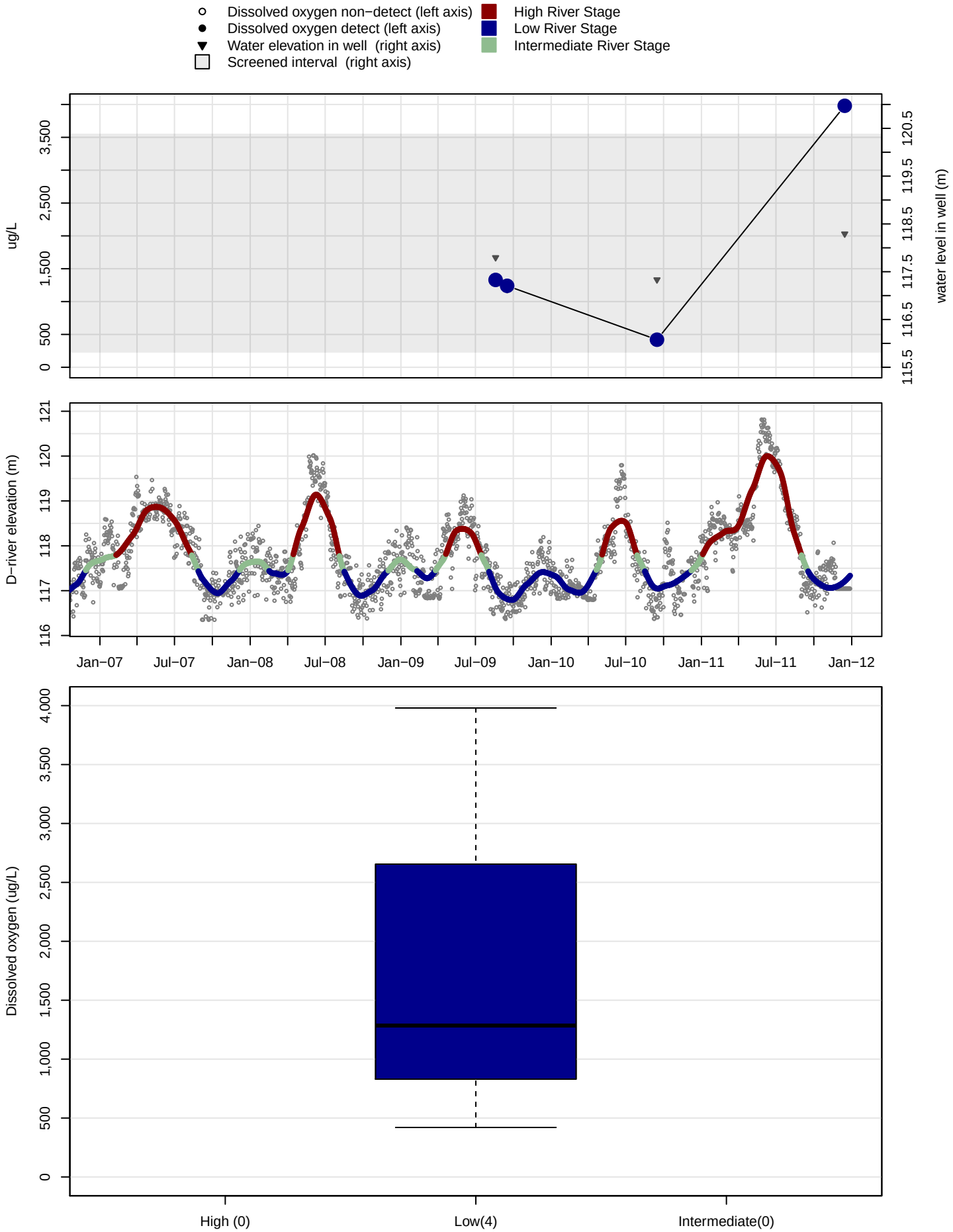
Mann Whitney p = NA t−test p = NA

199−N−172 (81m) Lag (Indeterminate)



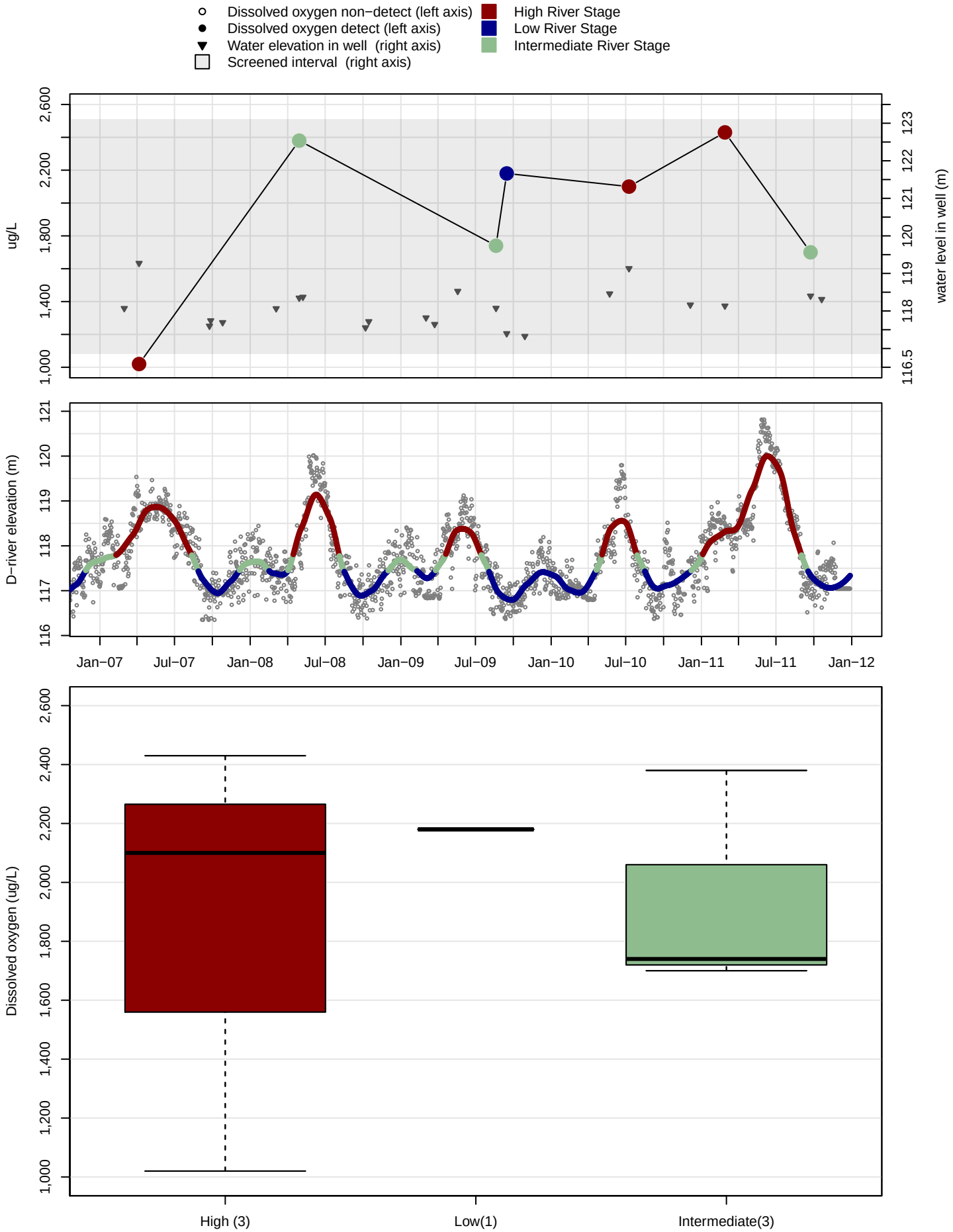
Mann Whitney p = NA t−test p = NA

199−N−173 (12m) Lag (Indeterminate)



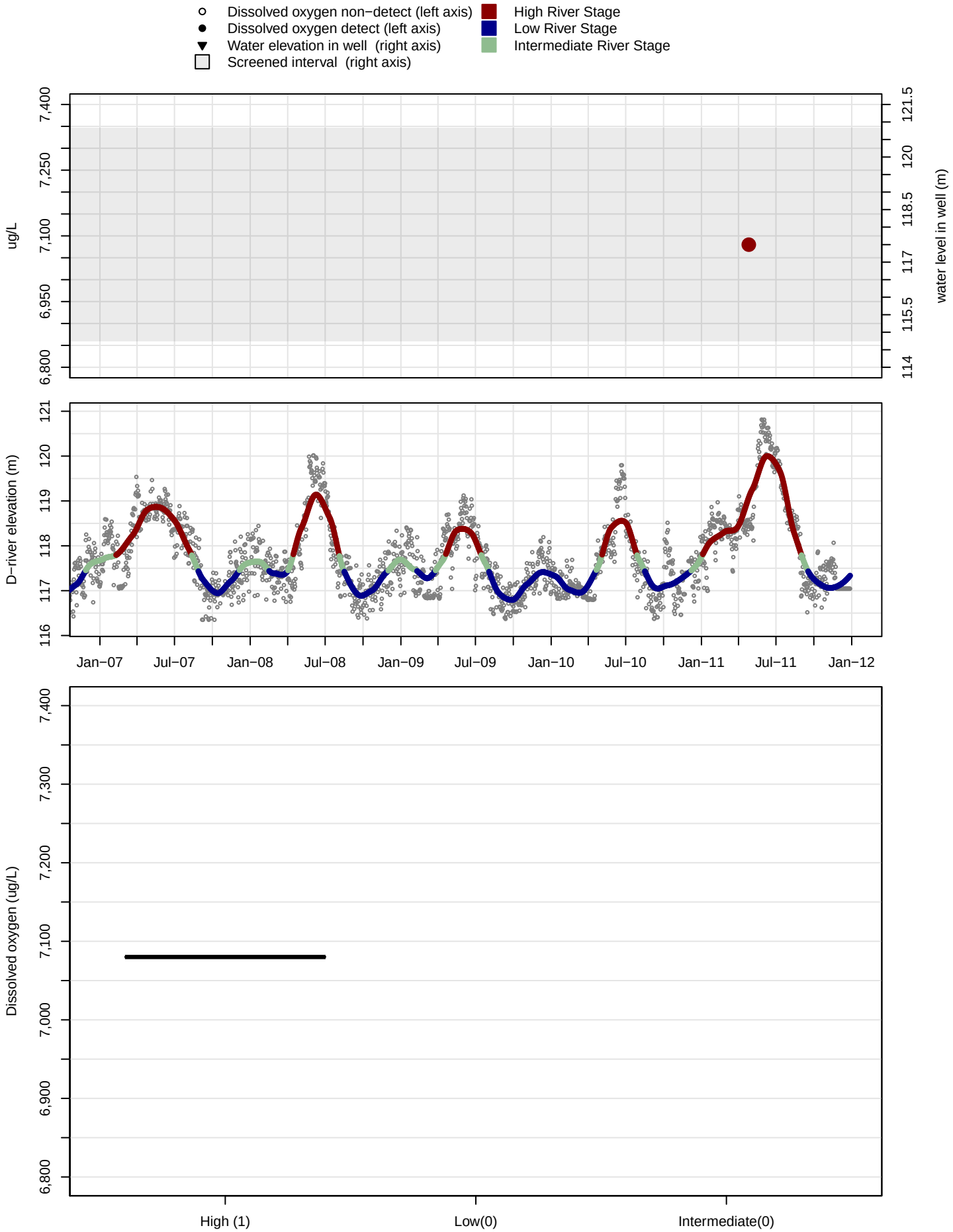
Mann Whitney p = NA t−test p = NA

199−N−18 (72m) Lag (18 Days)



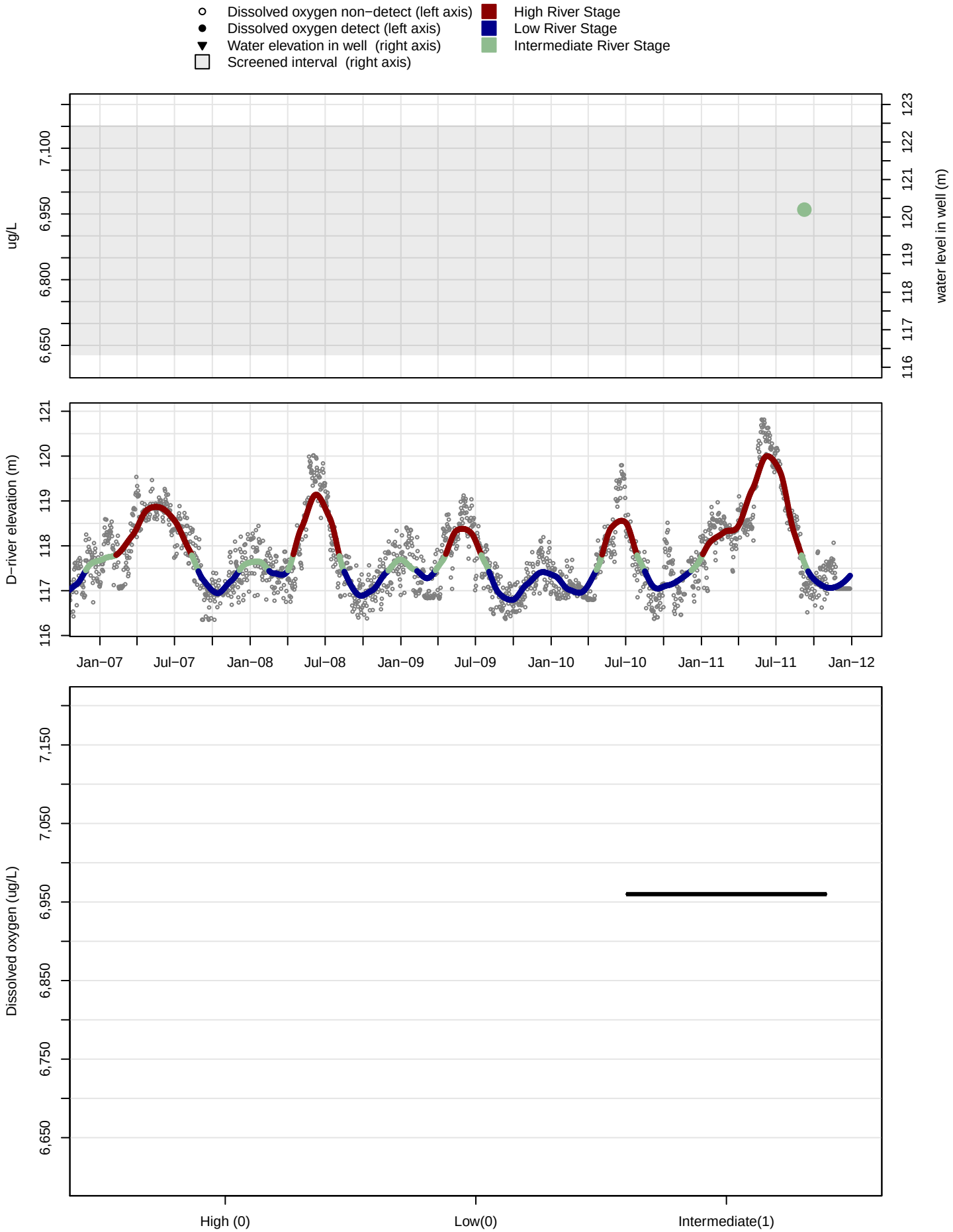
Mann Whitney p = NA t−test p = NA

199−N−183 (76m) Lag (Indeterminate)



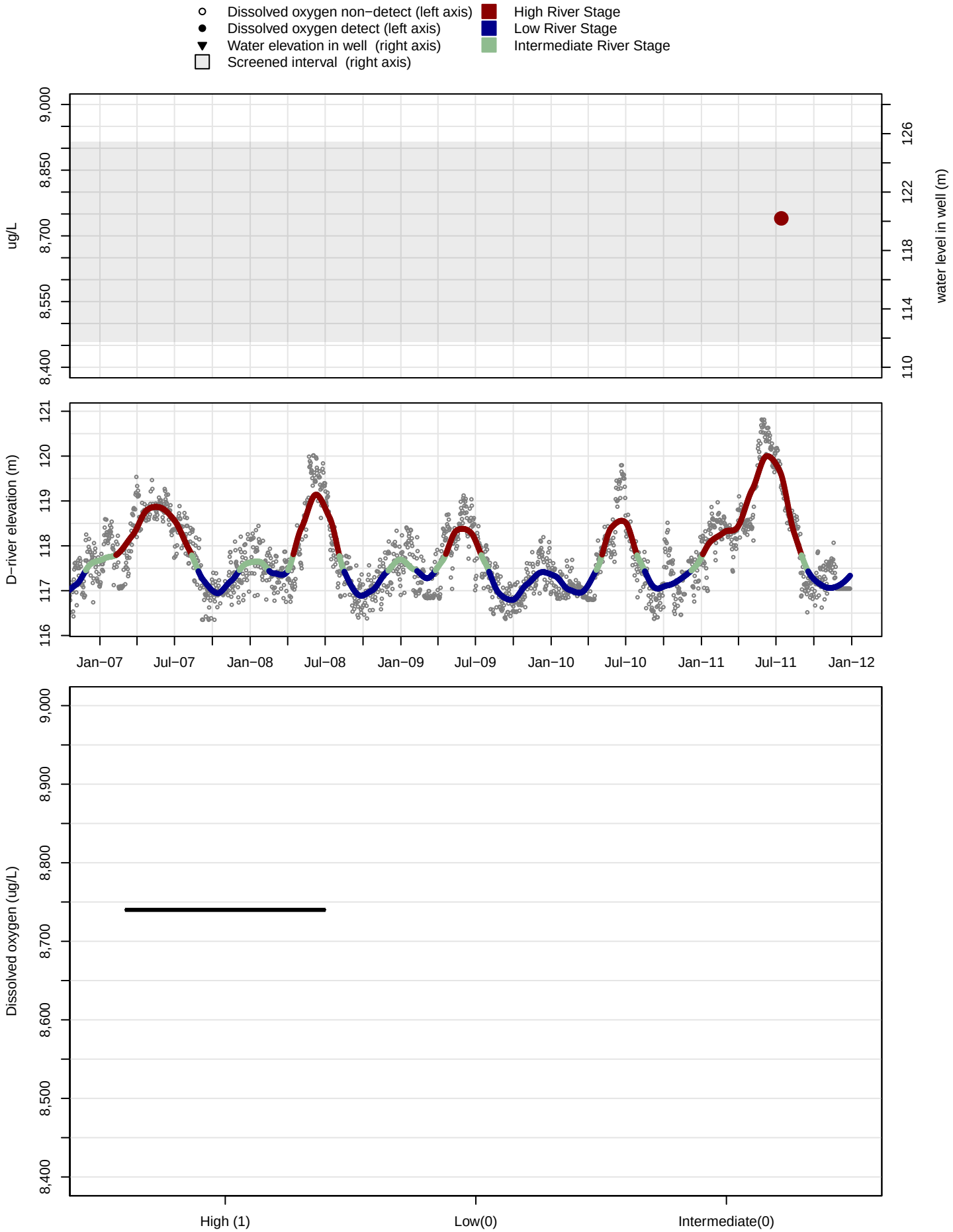
Mann Whitney p = NA t−test p = NA

199−N−184 (159m) Lag (Indeterminate)



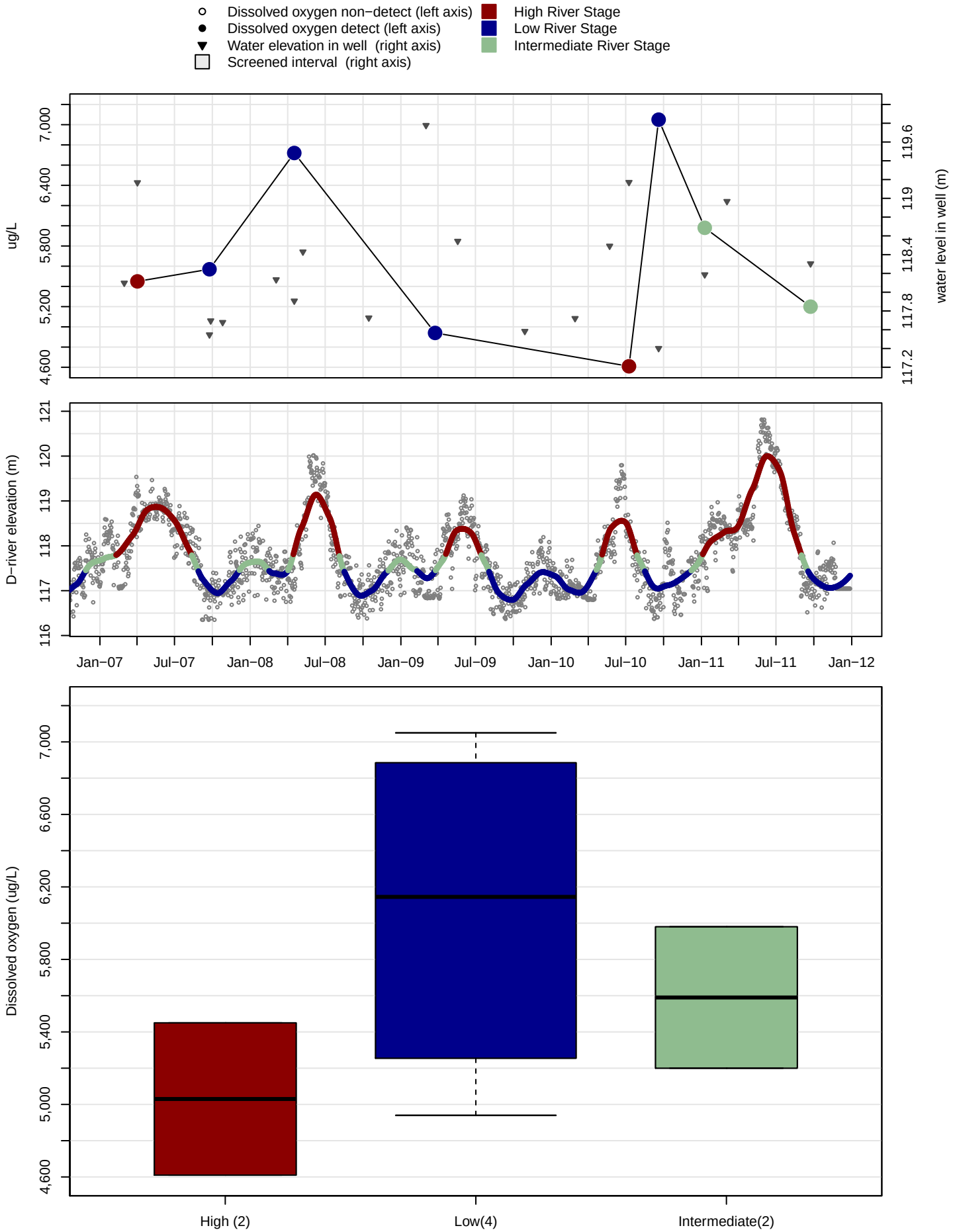
Mann Whitney p = NA t−test p = NA

199−N−189 (983m) Lag (Indeterminate)



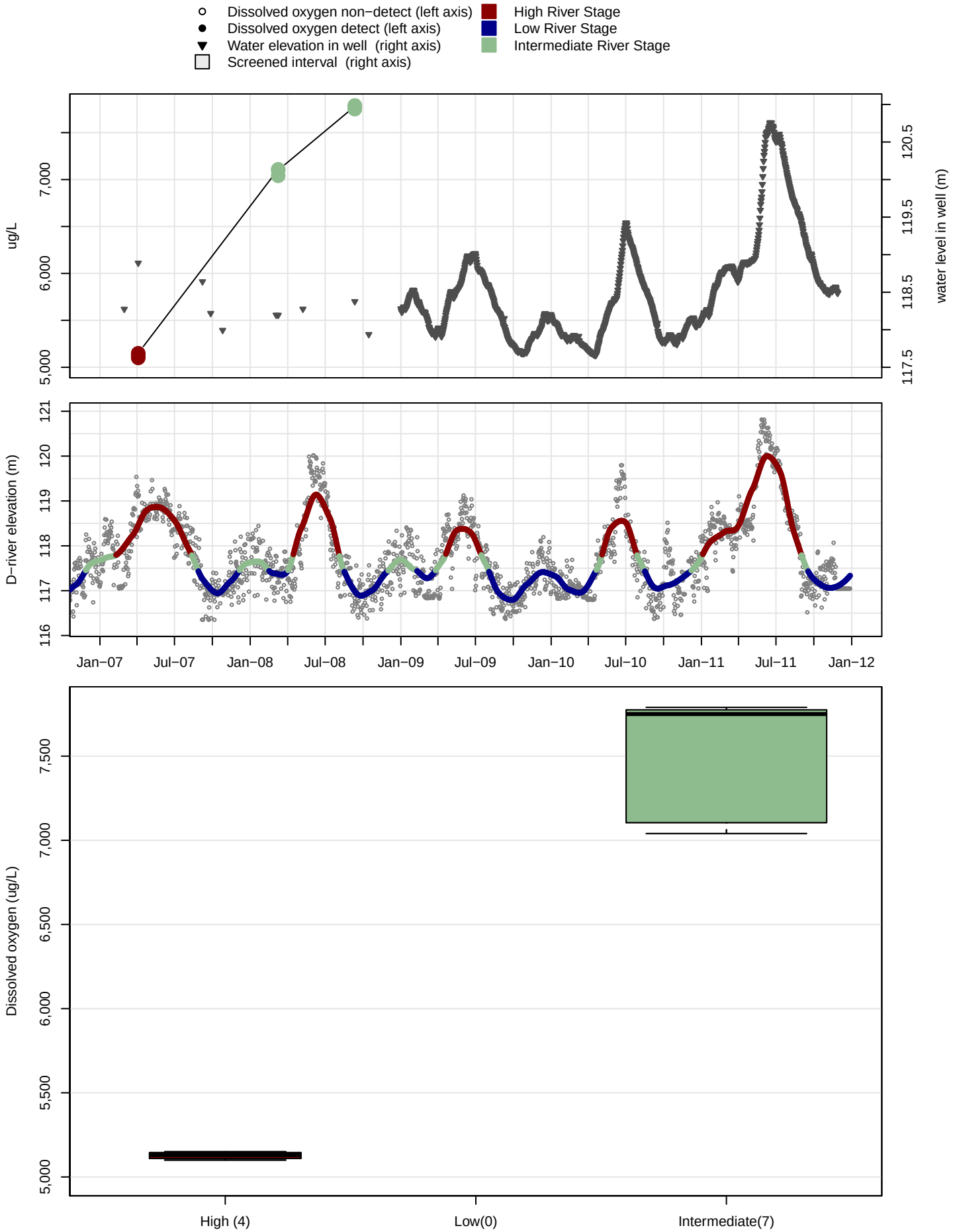
Mann Whitney p = NA t−test p = NA

199−N−19 (47m) Lag (19 Days)



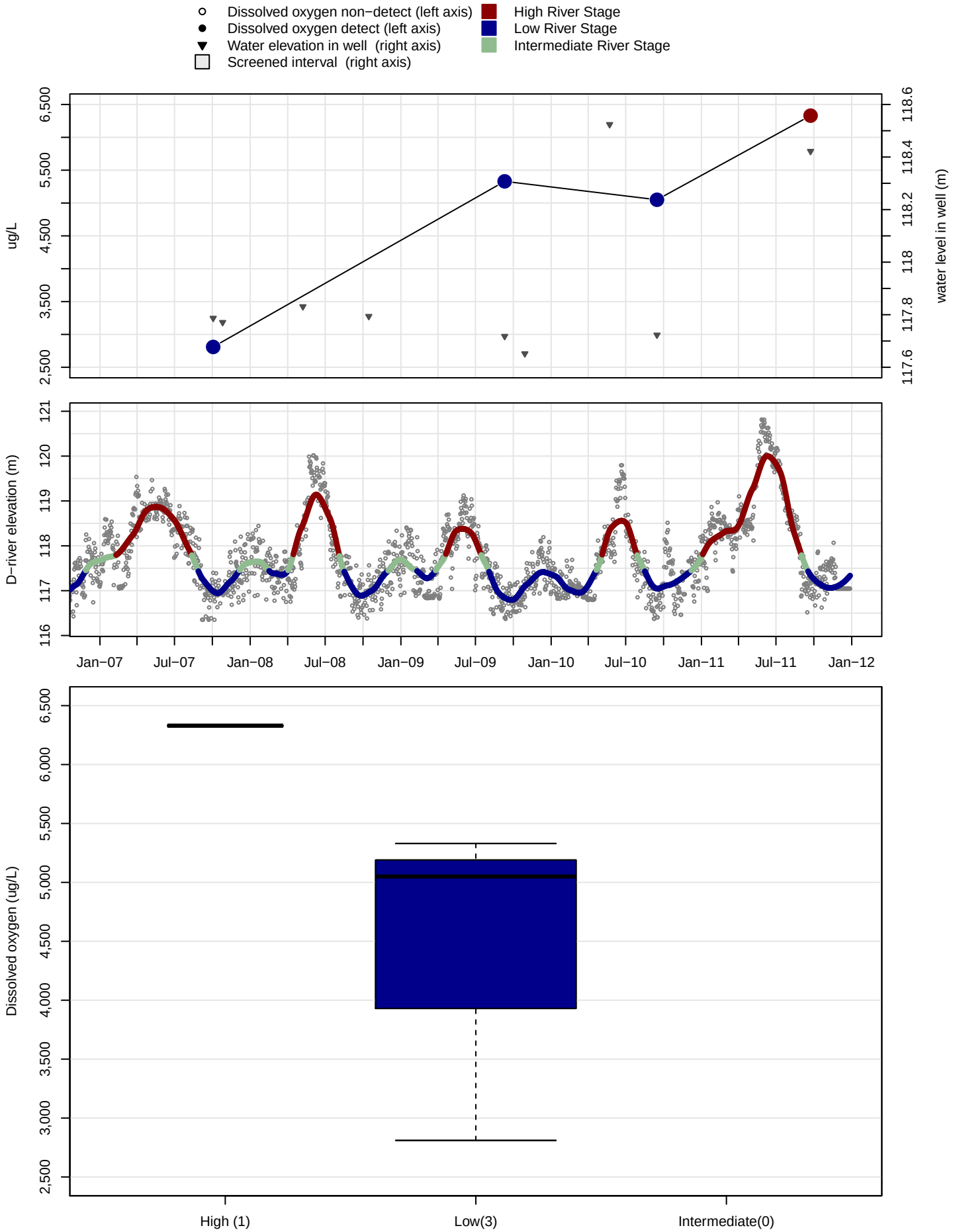
Mann Whitney p = NA t−test p = NA

199−N−2 (163m) Lag (26 Days)



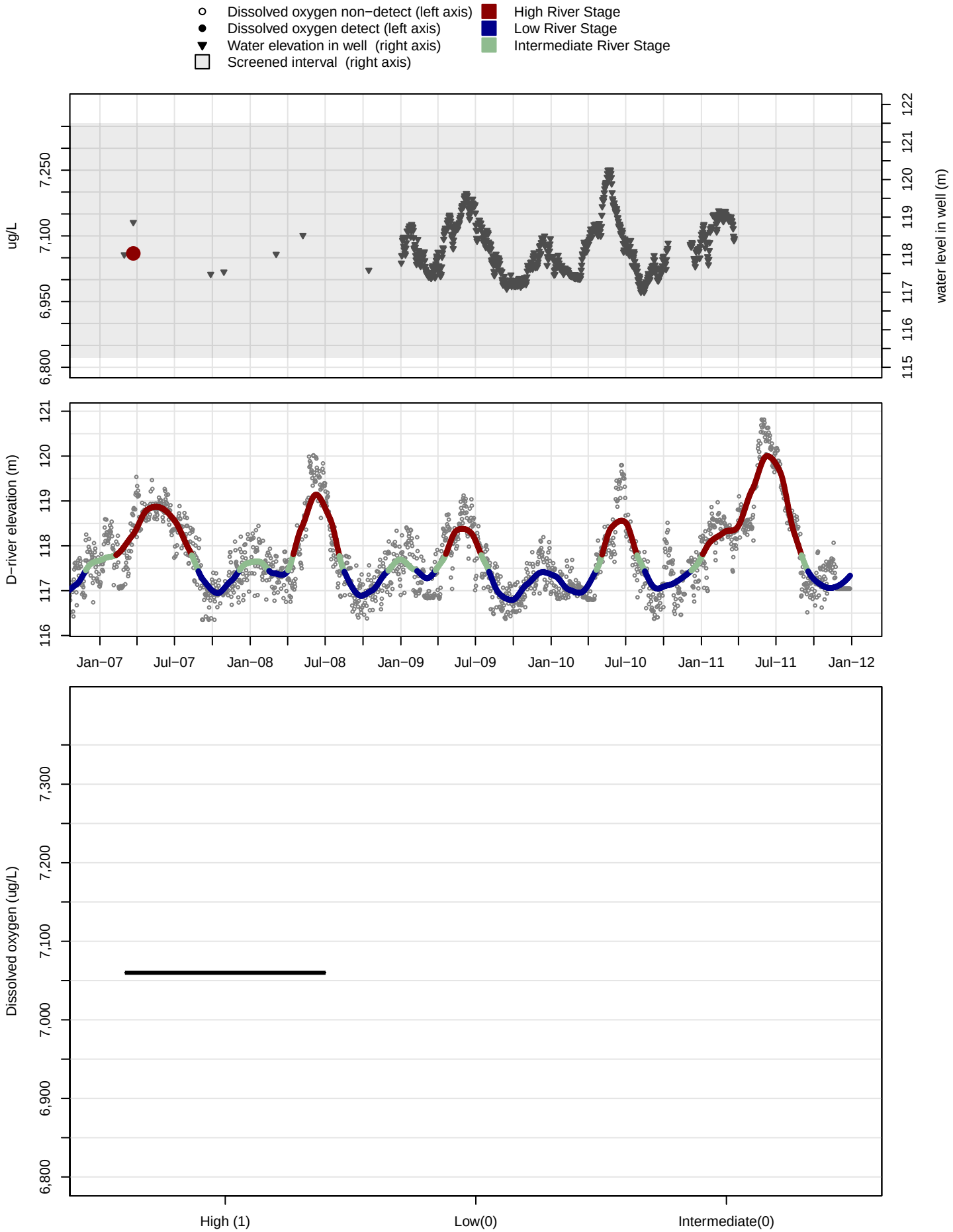
Mann Whitney p = NA t−test p = NA

199−N−21 (57m) Lag (23 Days)



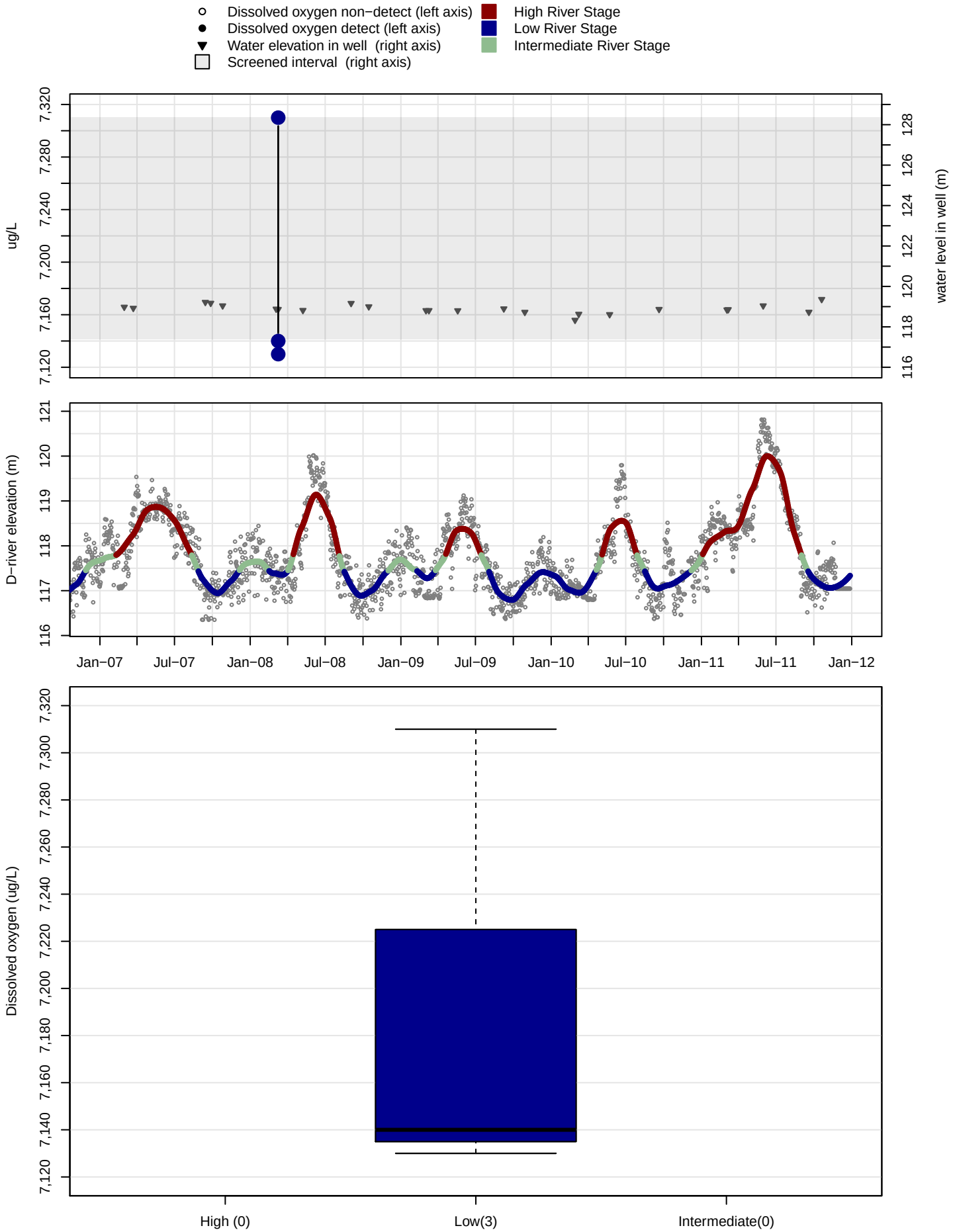
Mann Whitney p = NA t−test p = NA

199−N−26 (69m) Lag (0 Days)



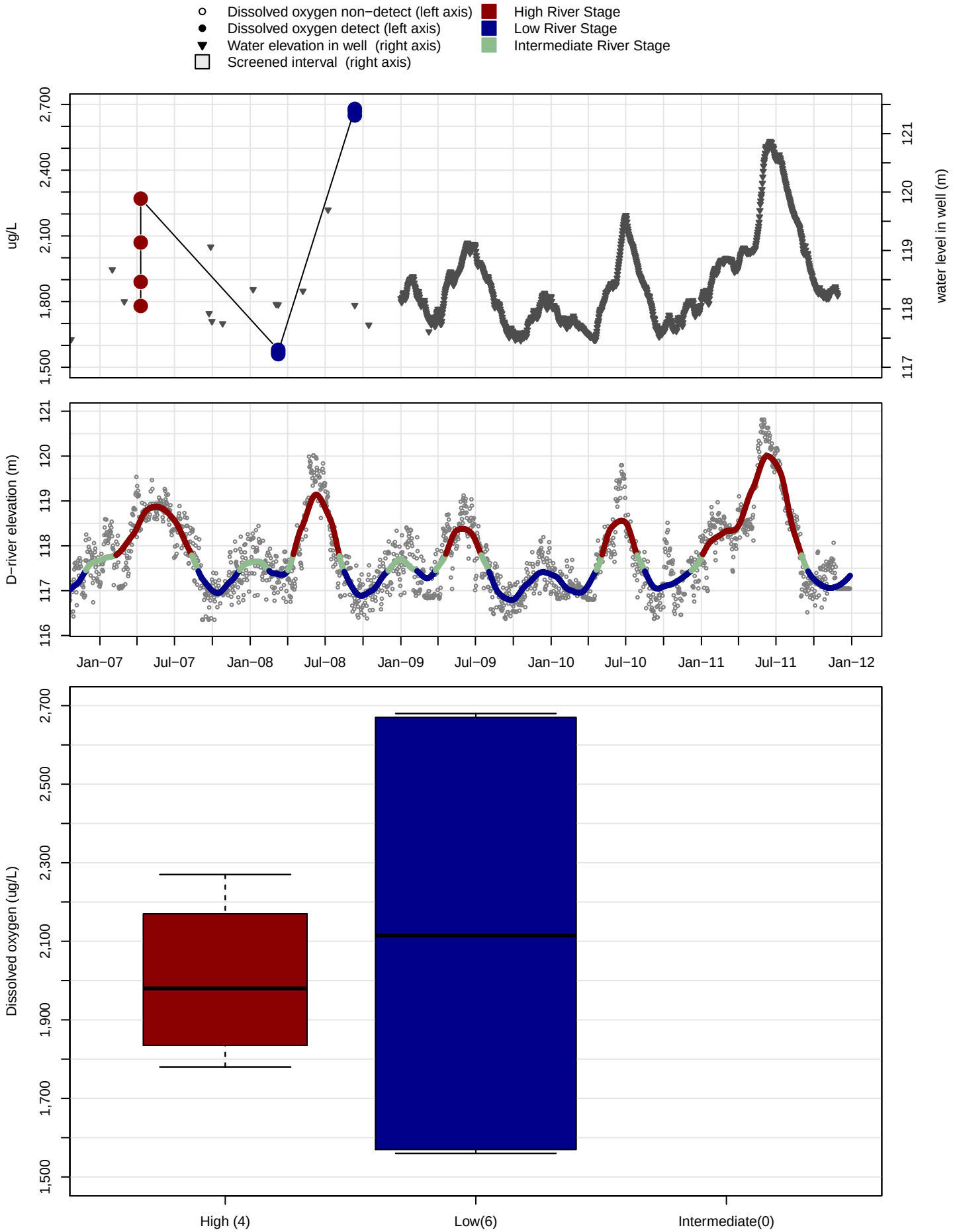
Mann Whitney p = NA t−test p = NA

199−N−28 (774m) Lag (123 Days)



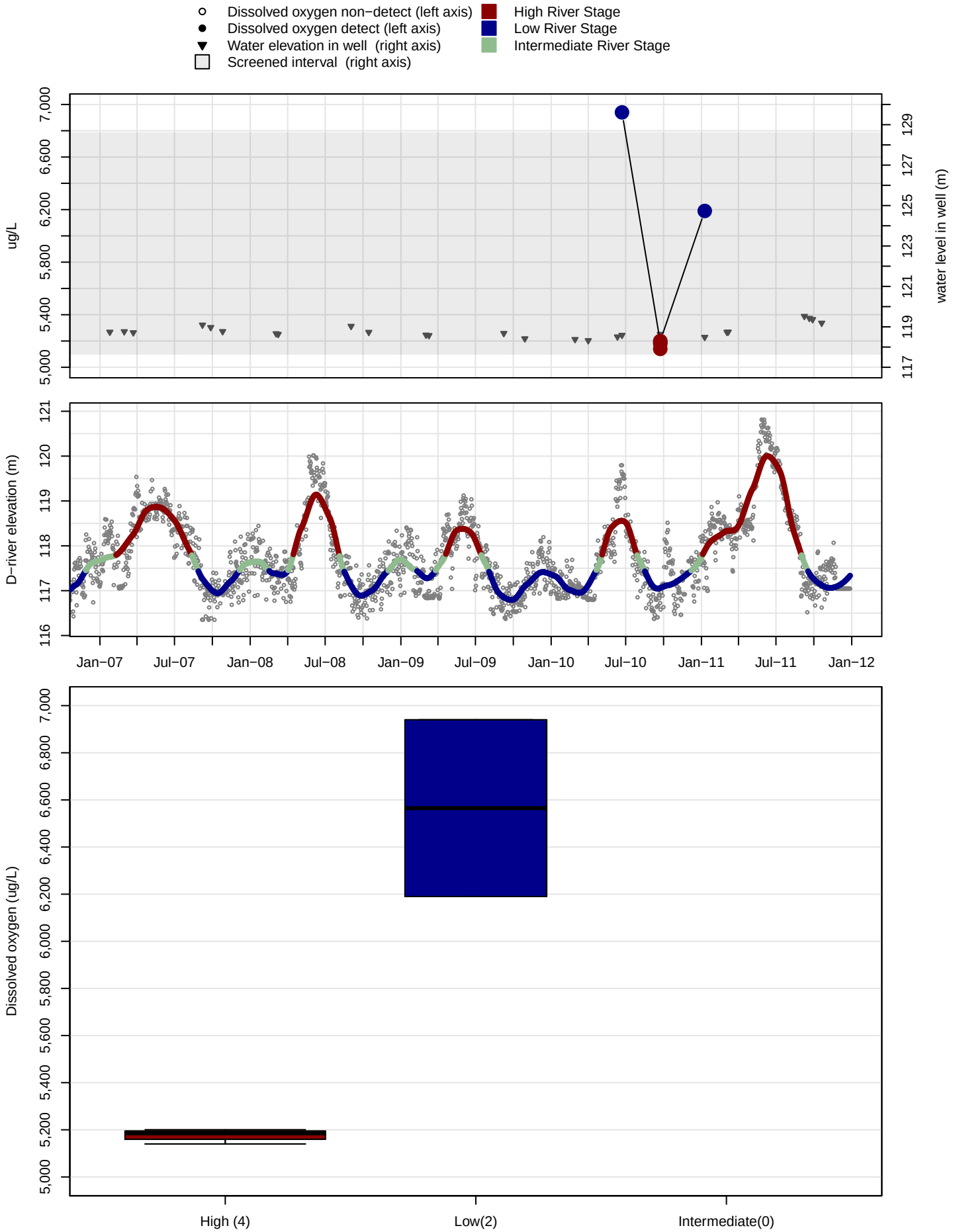
Mann Whitney p = NA t−test p = NA

199−N−3 (96m) Lag (18 Days)



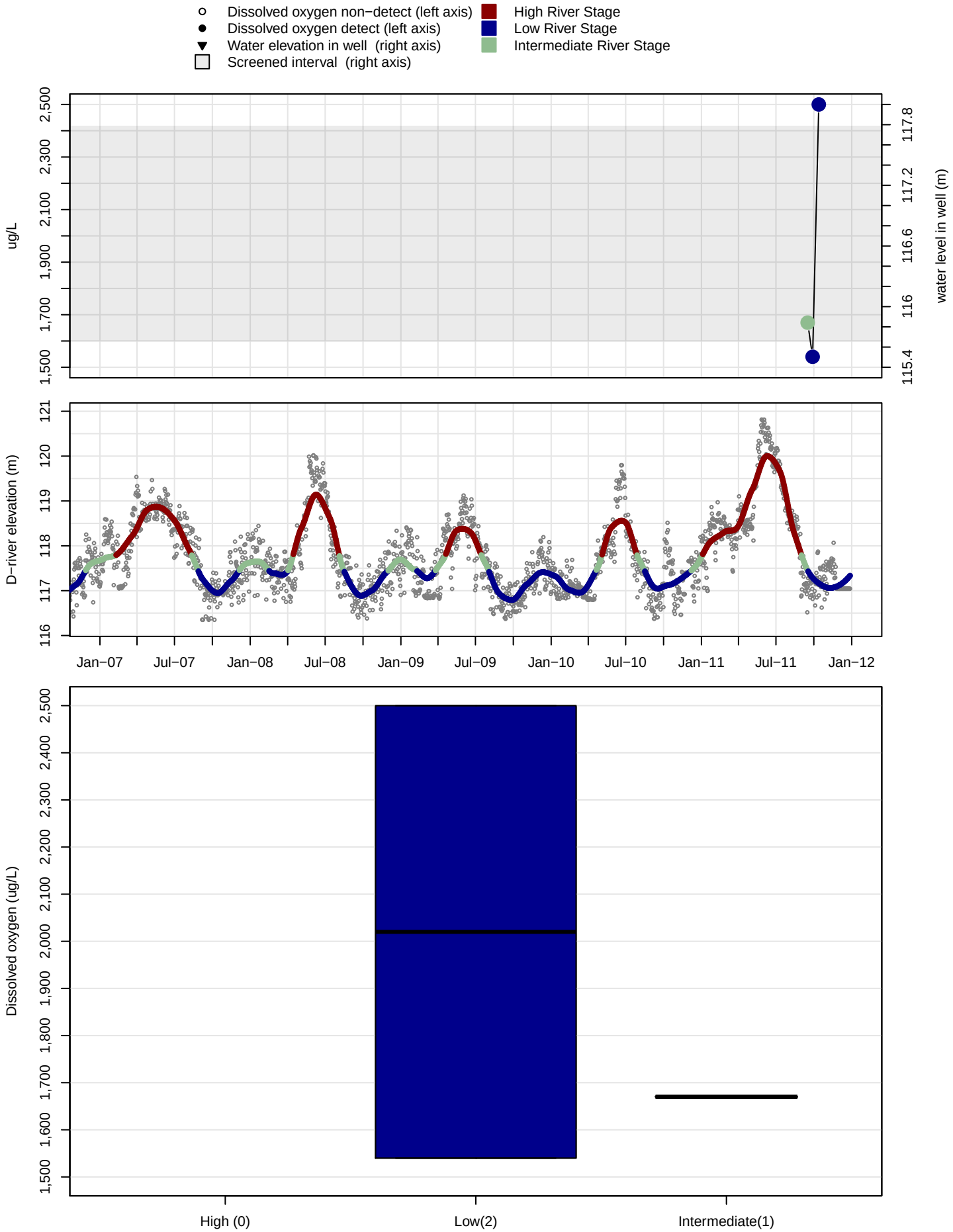
Mann Whitney p = 1e+00 t−test p = 6.79e−01

199−N−32 (597m) Lag (63 Days)



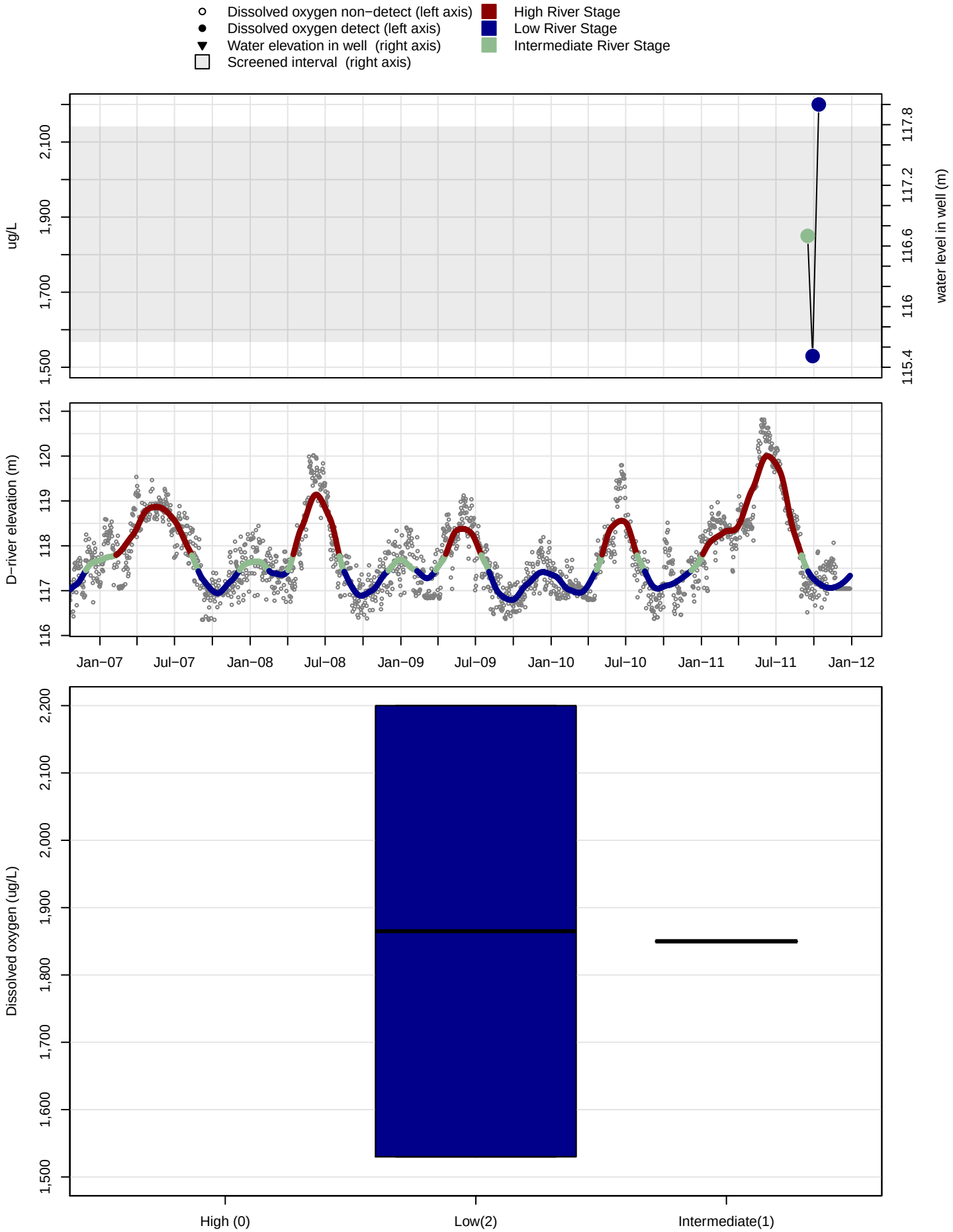
Mann Whitney p = NA t−test p = NA

199−N−347 (8m) Lag (Indeterminate)



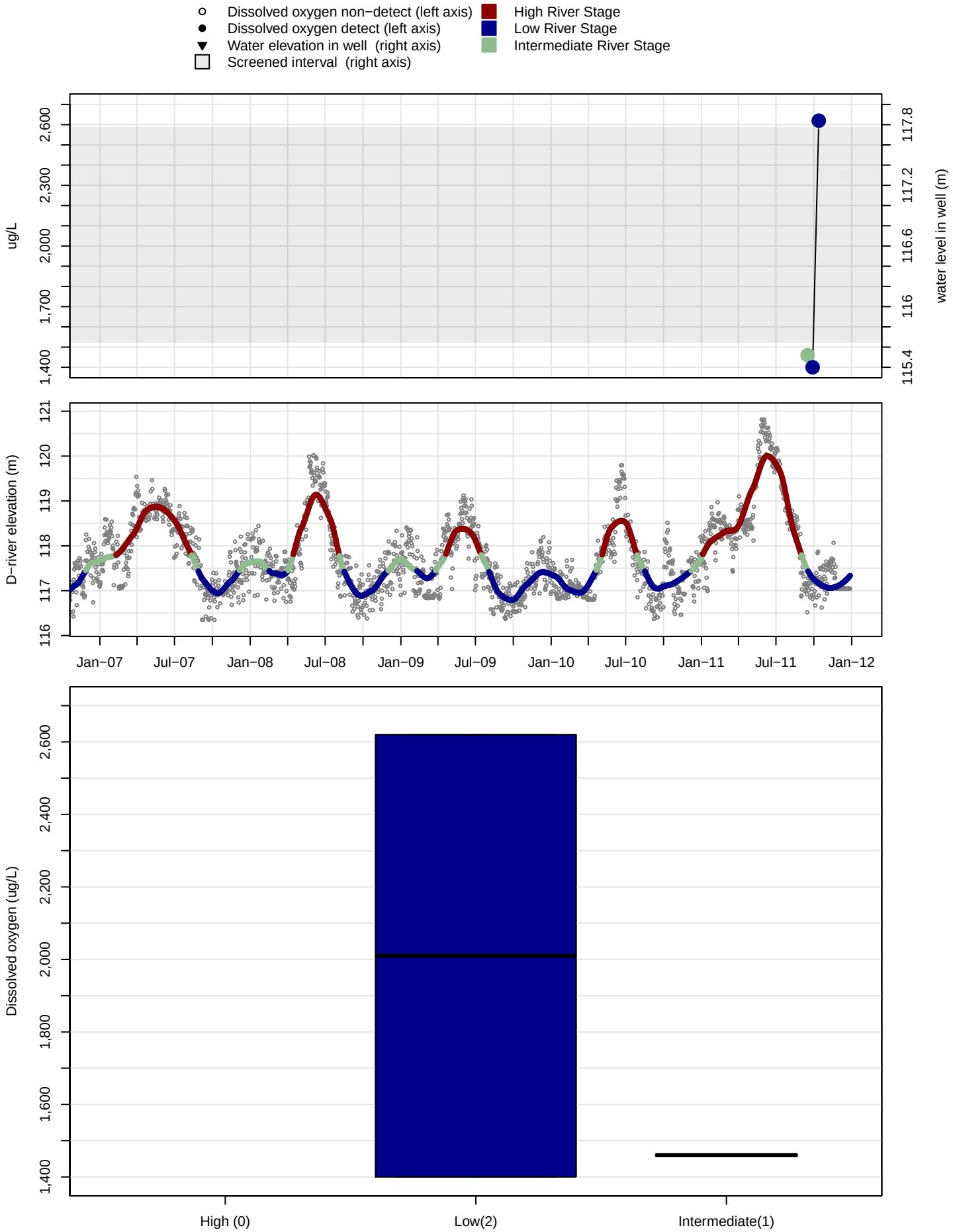
Mann Whitney p = NA t−test p = NA

199−N−348 (11m) Lag (Indeterminate)



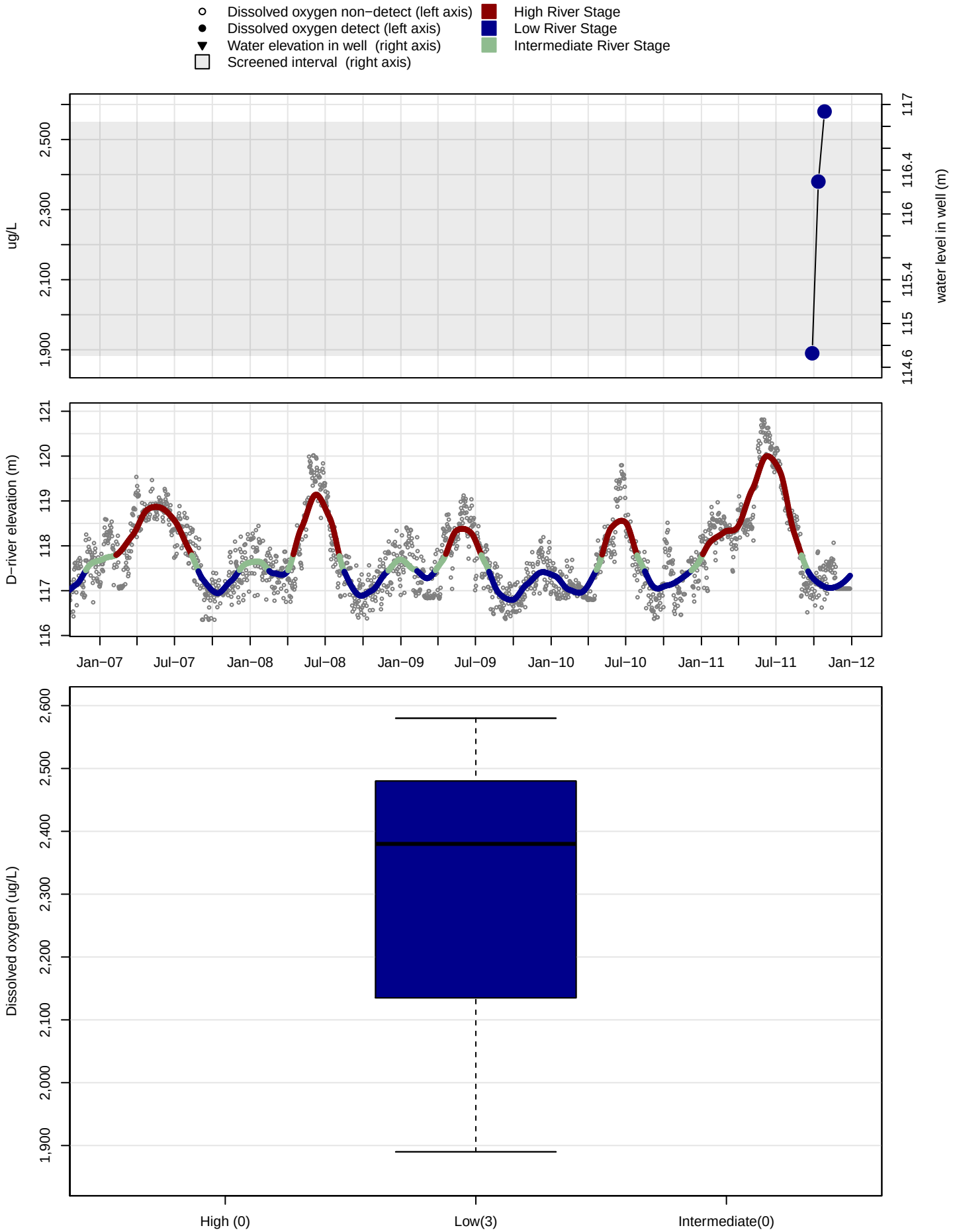
Mann Whitney p = NA t−test p = NA

199−N−349 (13m) Lag (Indeterminate)



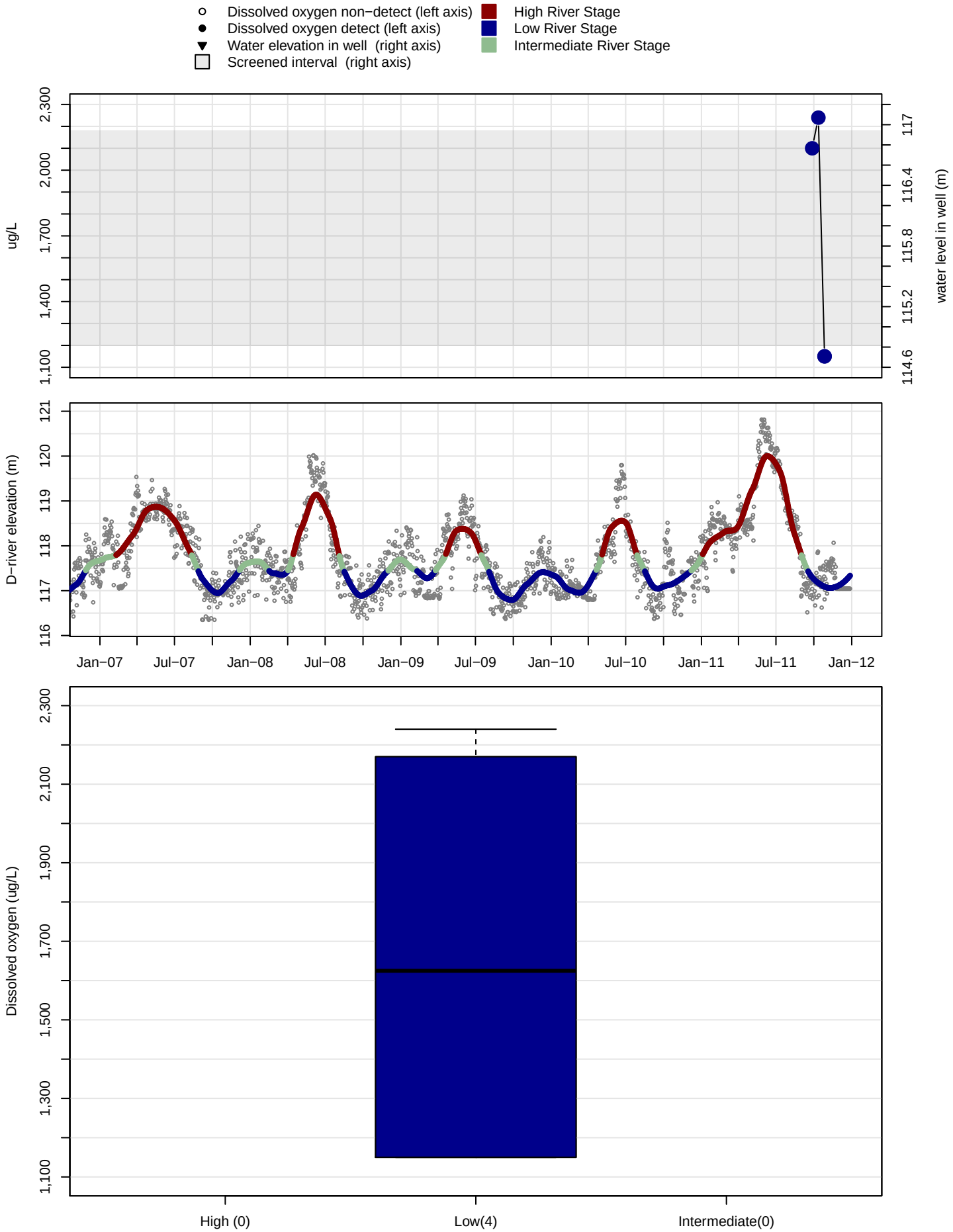
Mann Whitney p = NA t−test p = NA

199−N−350 (3m) Lag (Indeterminate)



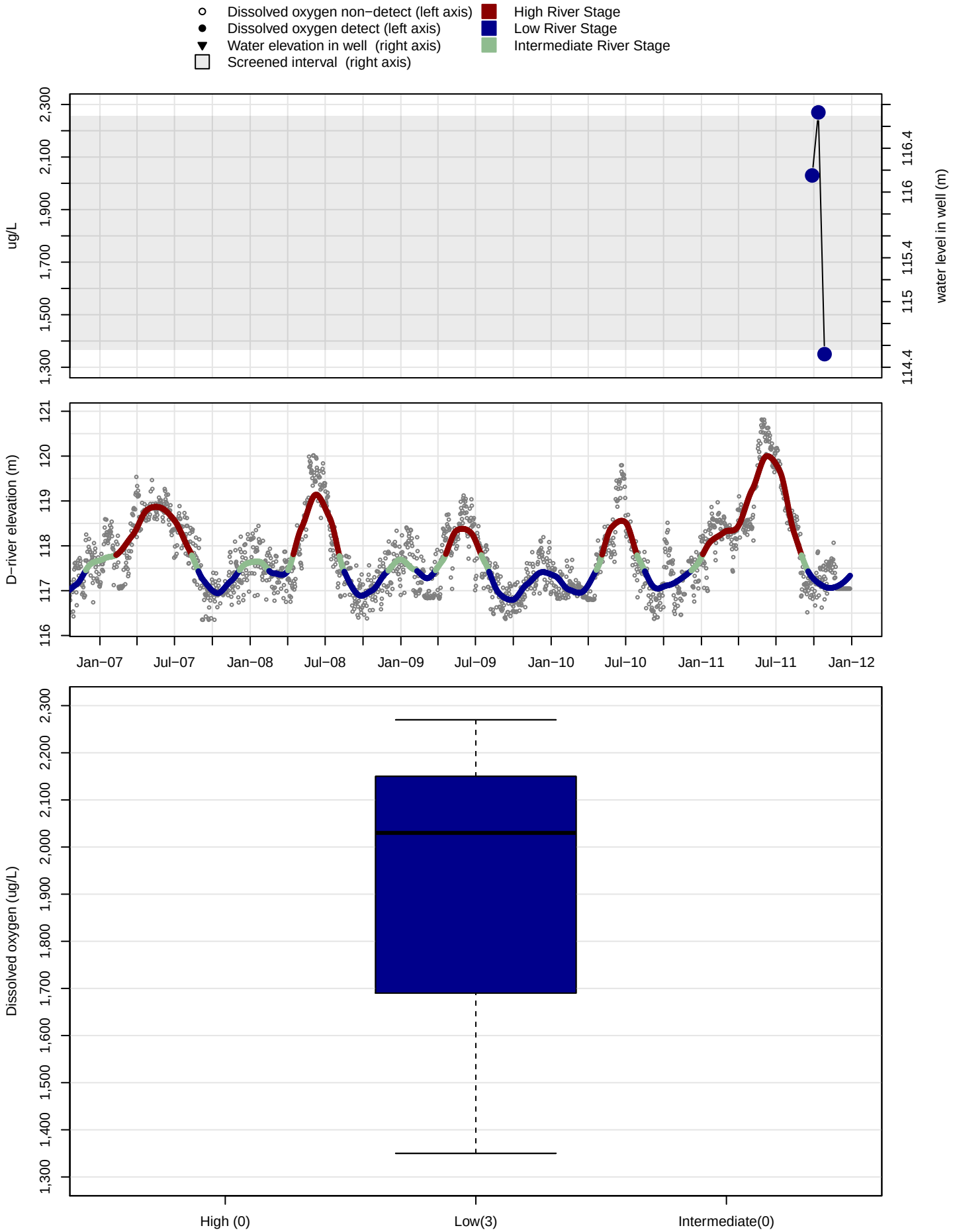
Mann Whitney p = NA t−test p = NA

199−N−351 (0m) Lag (Indeterminate)



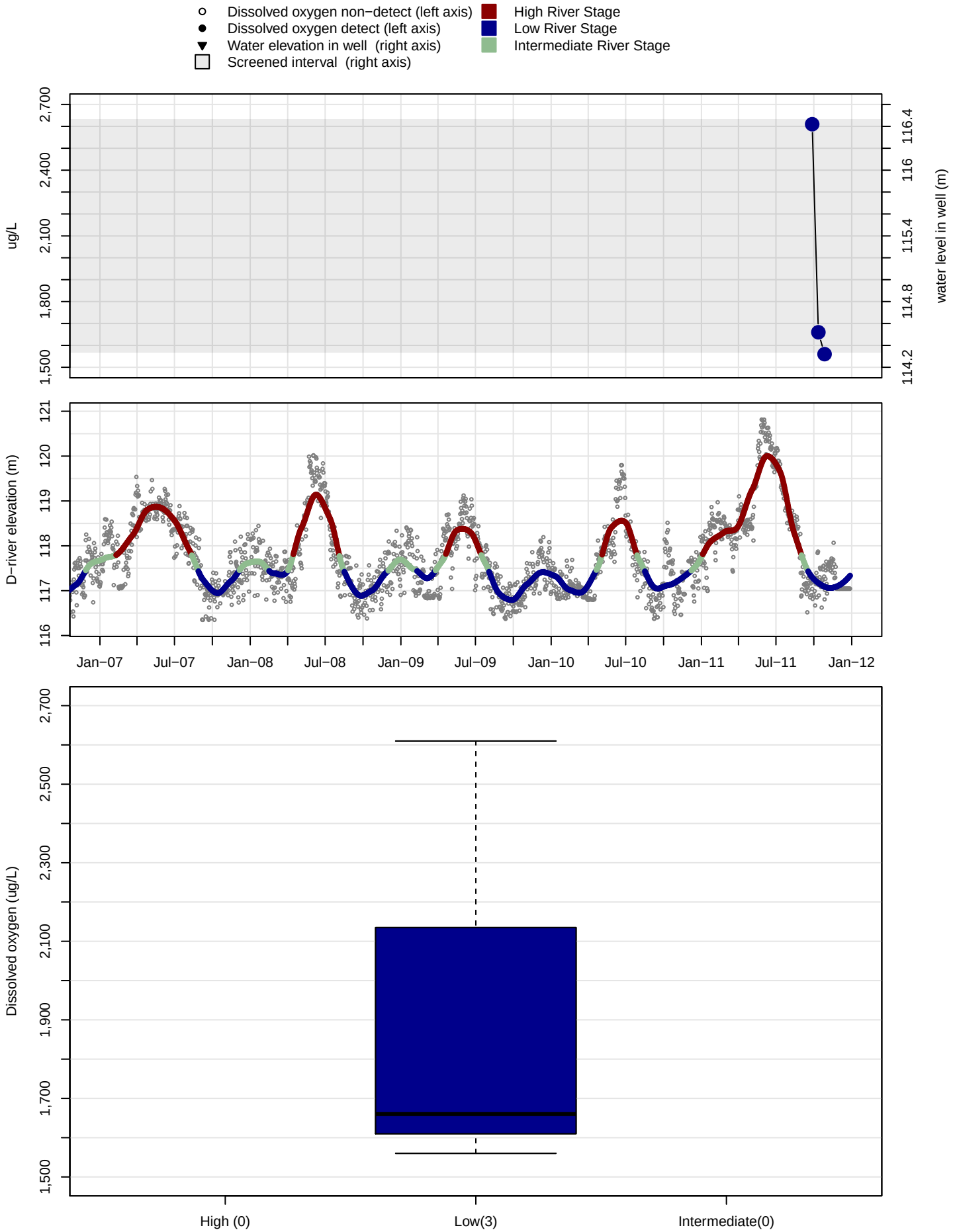
Mann Whitney p = NA t−test p = NA

199−N−352 (1m) Lag (Indeterminate)



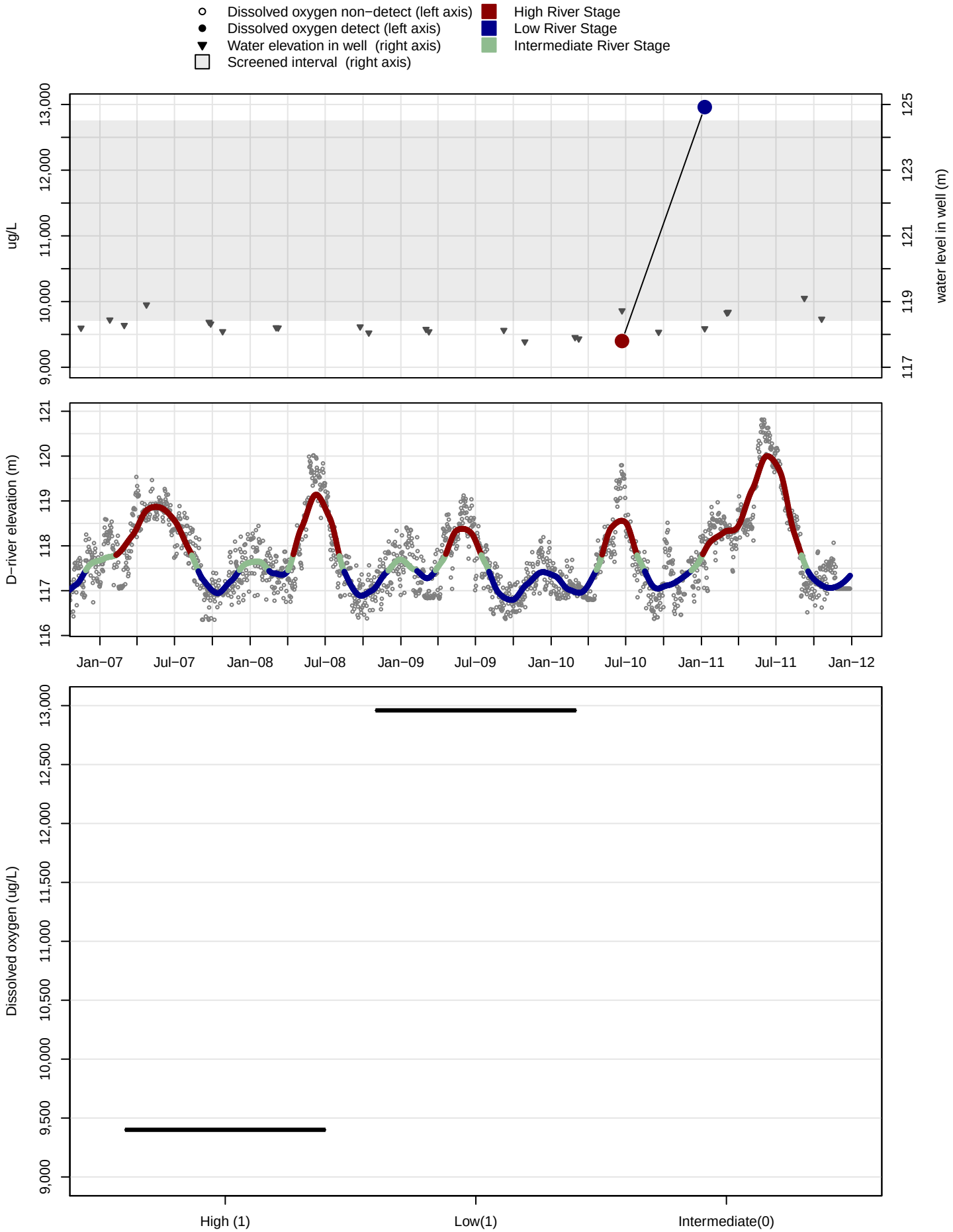
Mann Whitney p = NA t−test p = NA

199−N−353 (0m) Lag (Indeterminate)



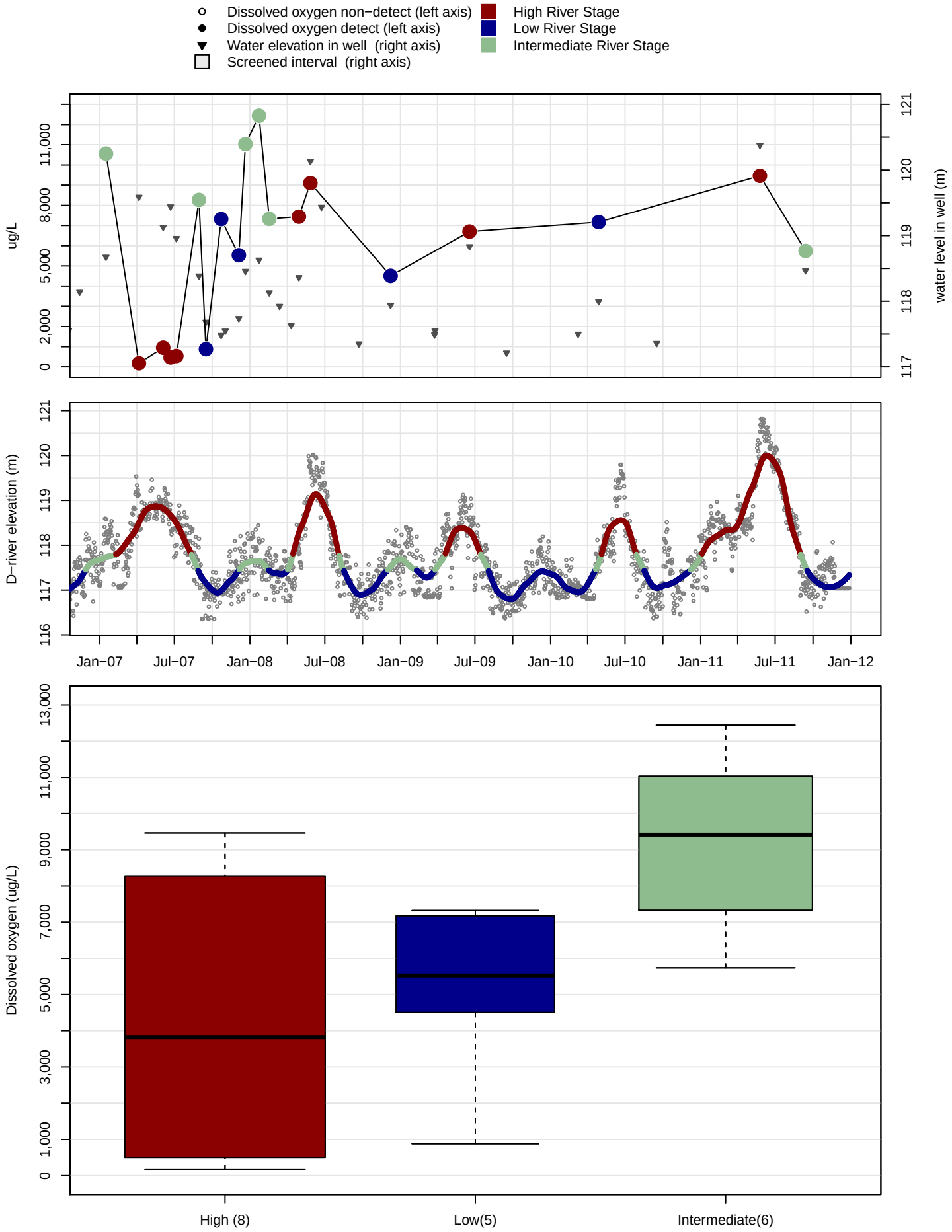
Mann Whitney p = NA t−test p = NA

199−N−41 (679m) Lag (35 Days)



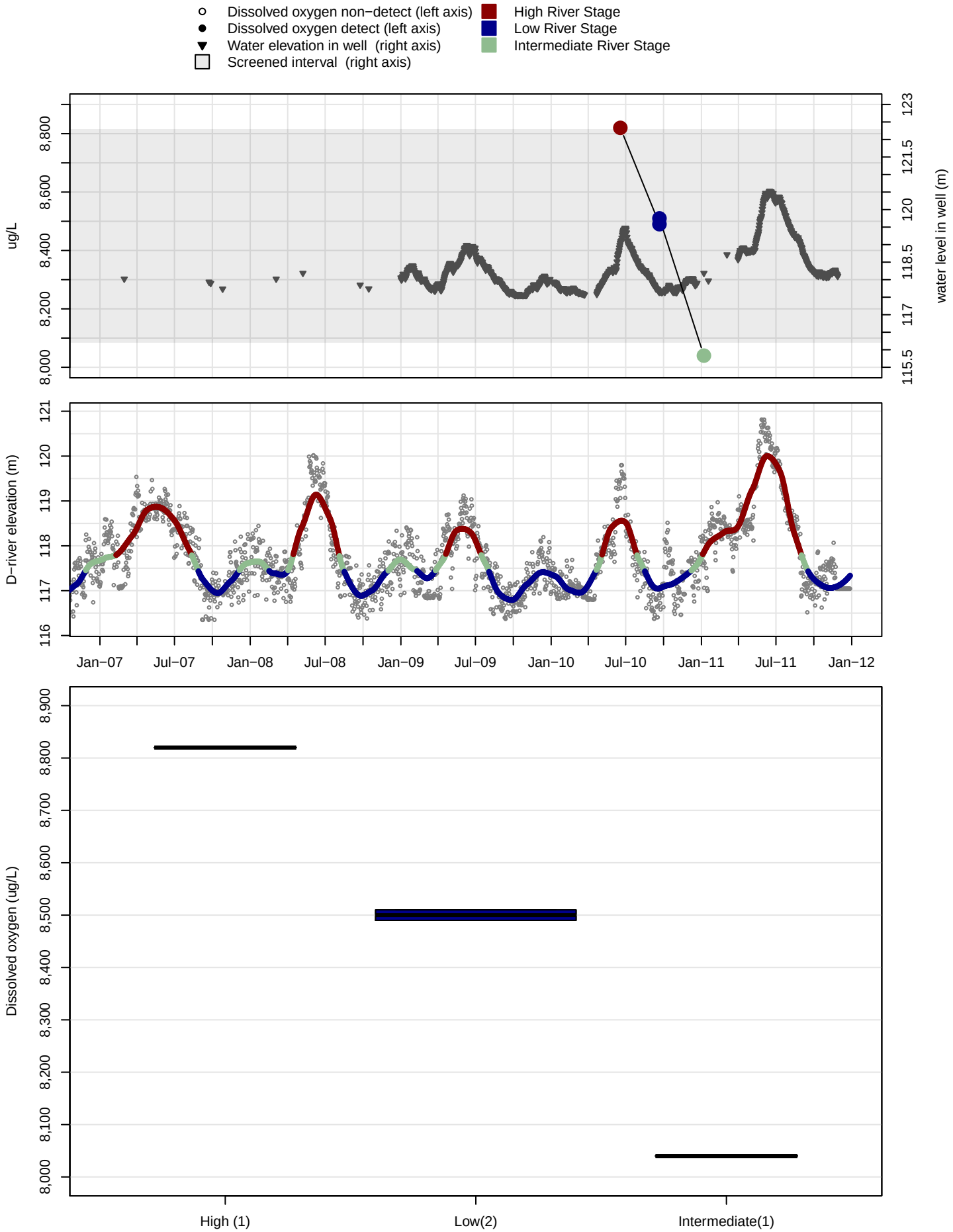
Mann Whitney p = NA t−test p = NA

199−N−46 (14m) Lag (7 Days)



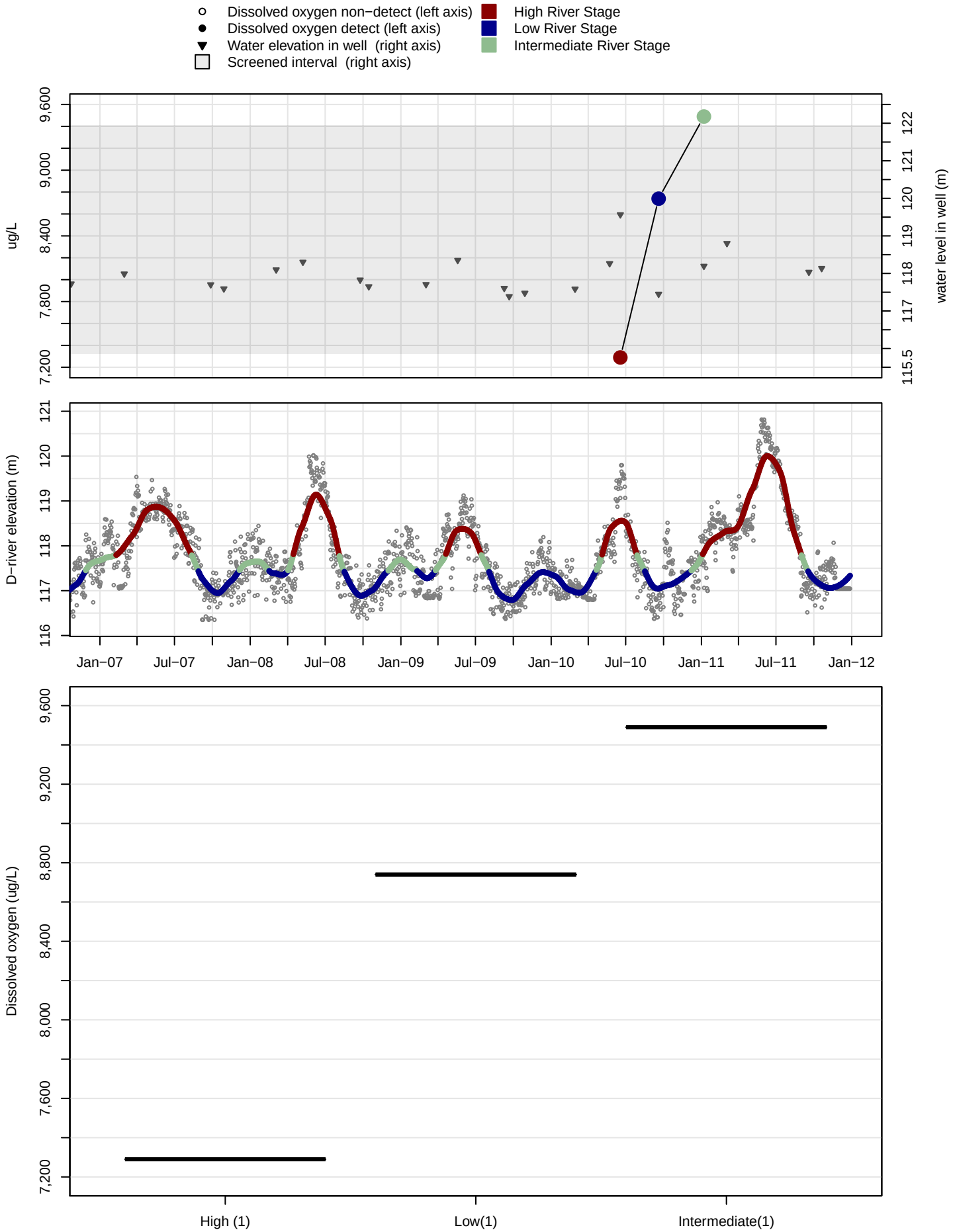
Mann Whitney p = 9.43e−01 t−test p = 7.07e−01

199−N−50 (414m) Lag (16 Days)



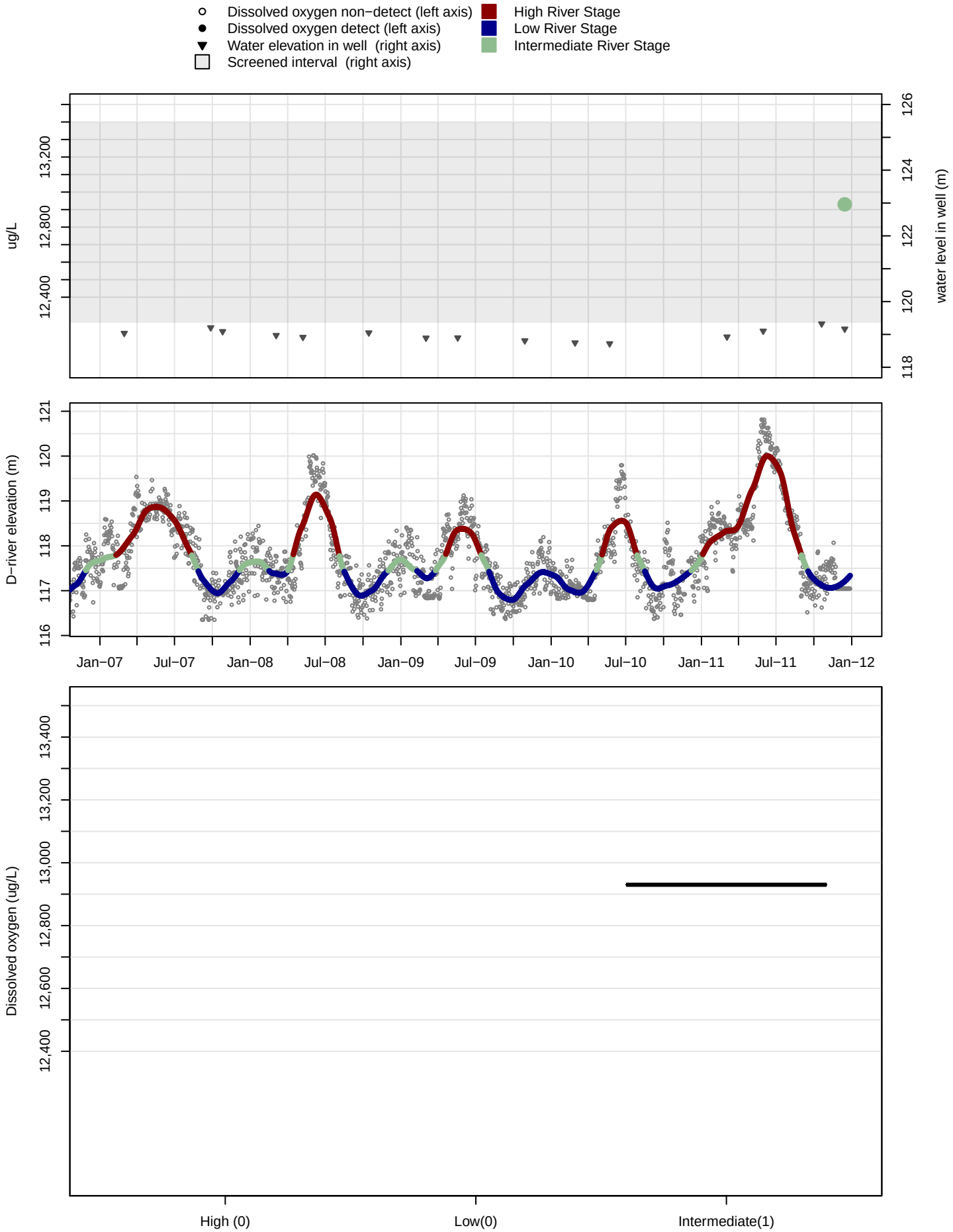
Mann Whitney p = NA t−test p = NA

199−N−51 (65m) Lag (18 Days)



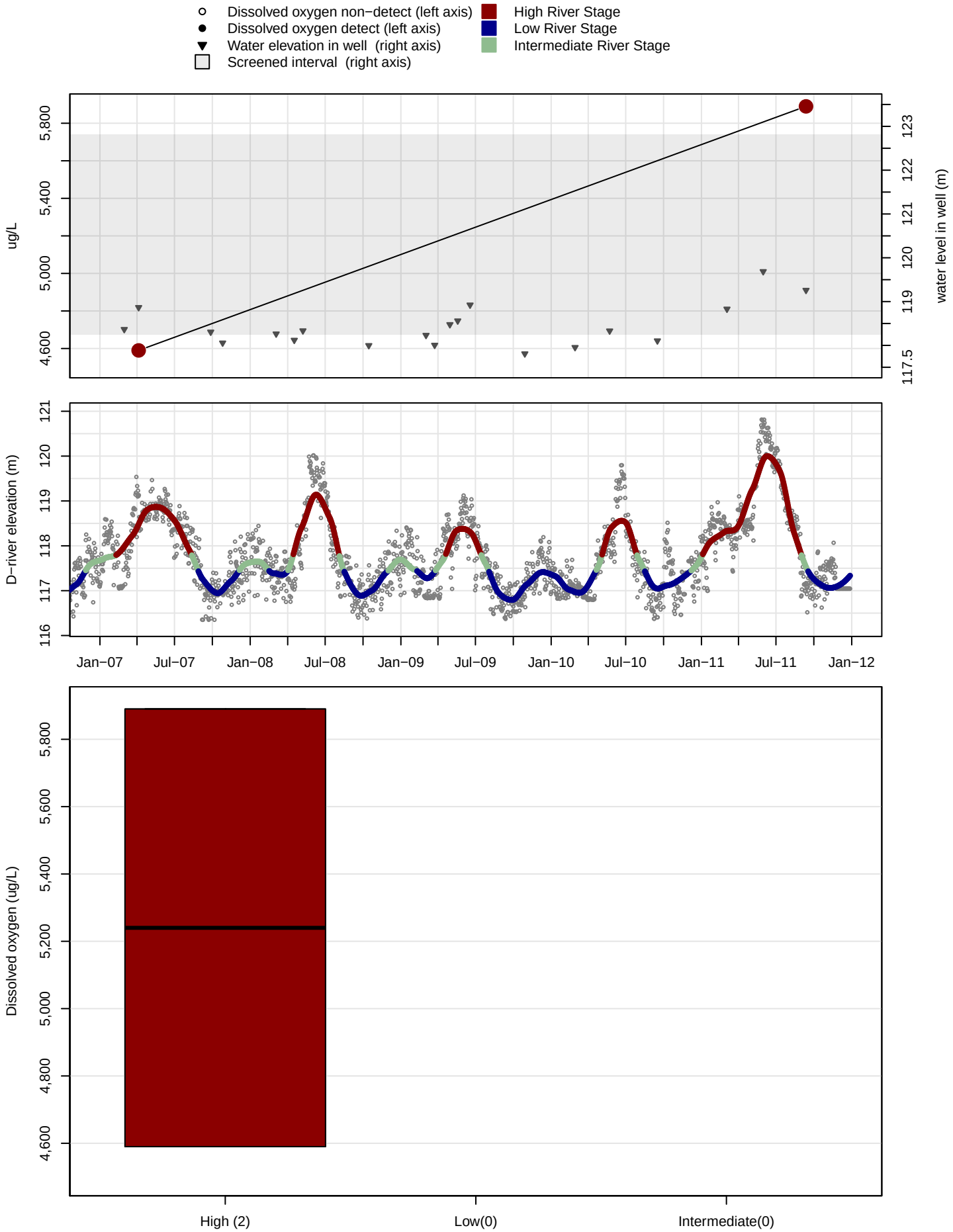
Mann Whitney p = NA t−test p = NA

199−N−52 (1060m) Lag (89 Days)



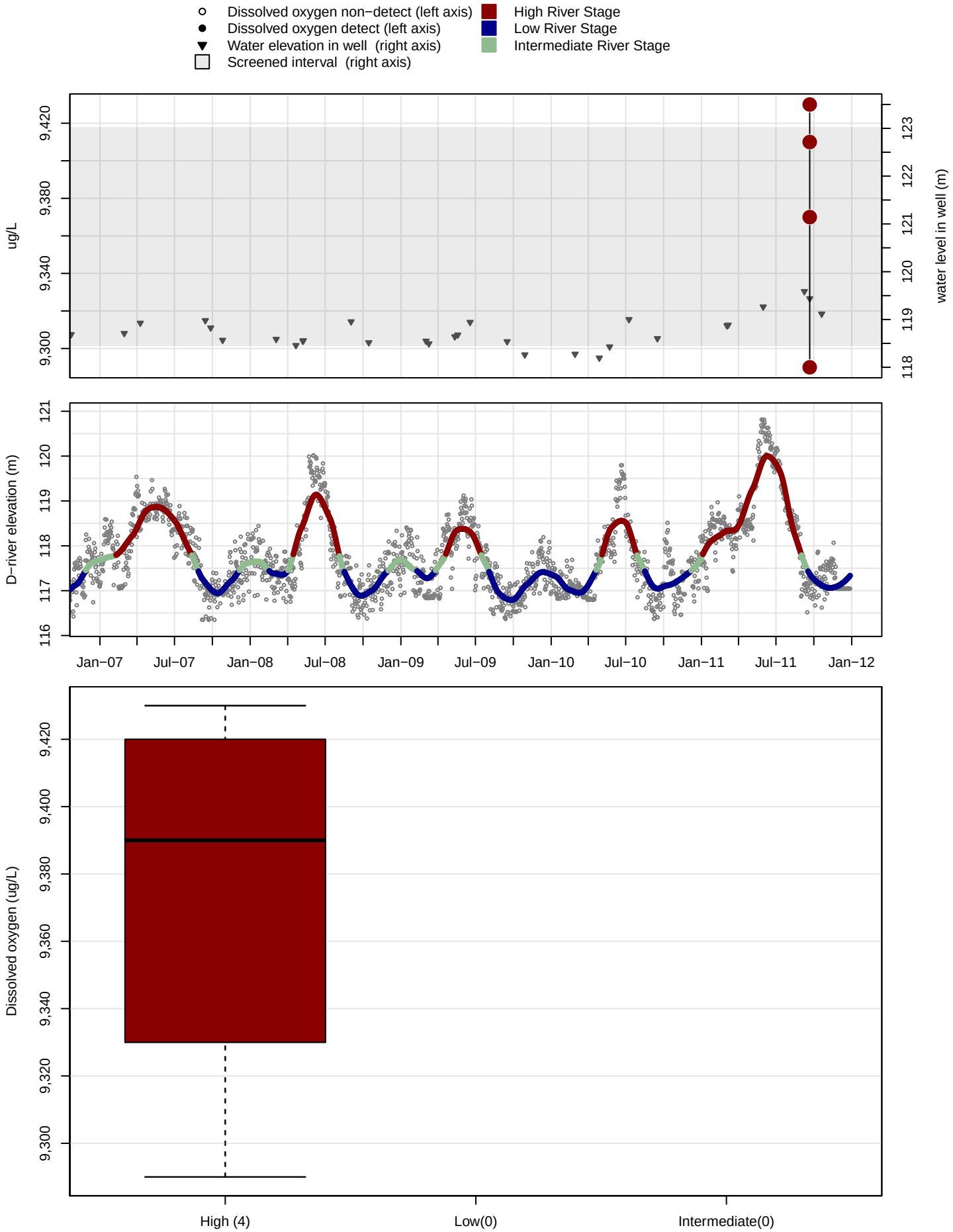
Mann Whitney p = NA t−test p = NA

199−N−56 (193m) Lag (32 Days)



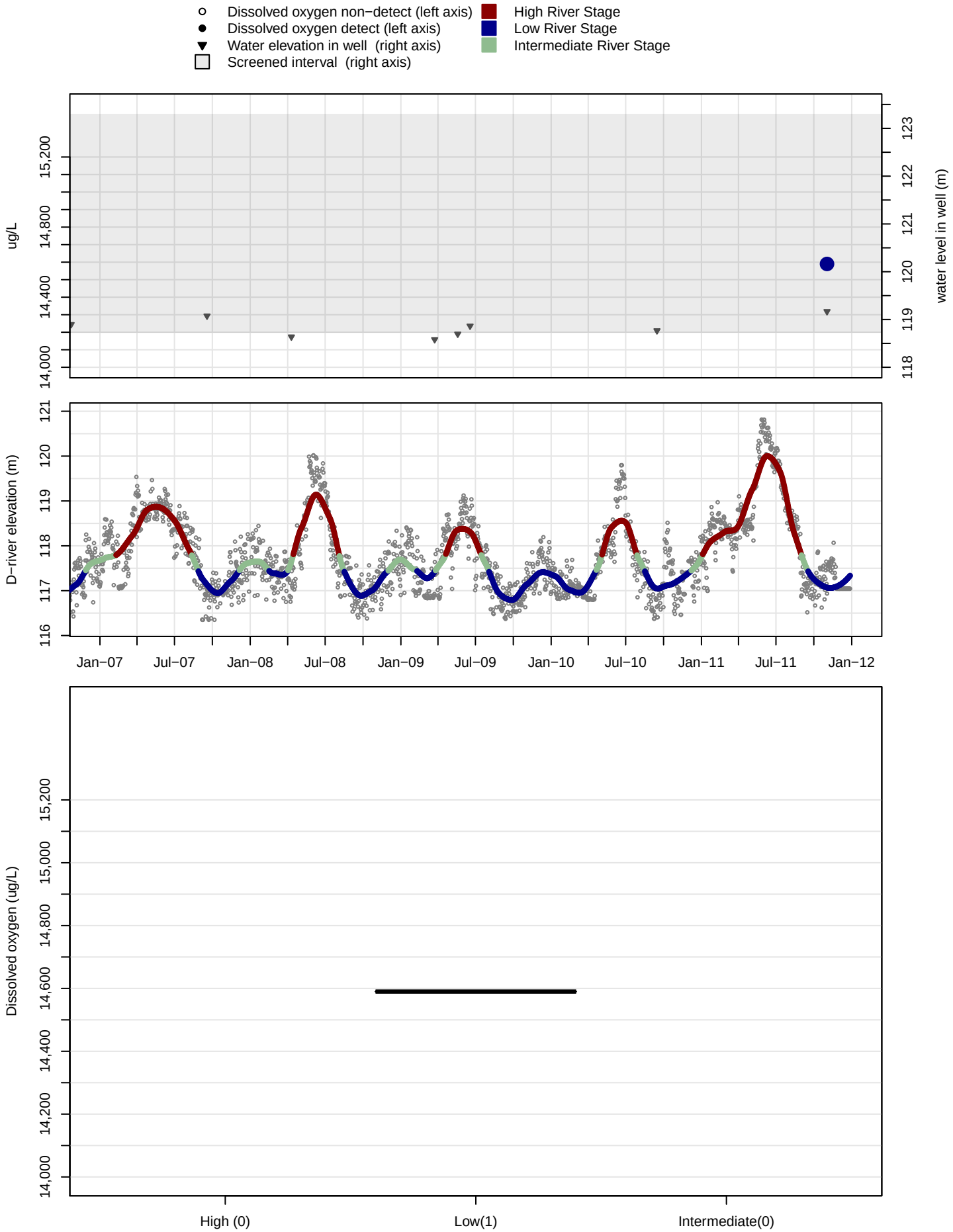
Mann Whitney p = NA t−test p = NA

199−N−57 (301m) Lag (49 Days)



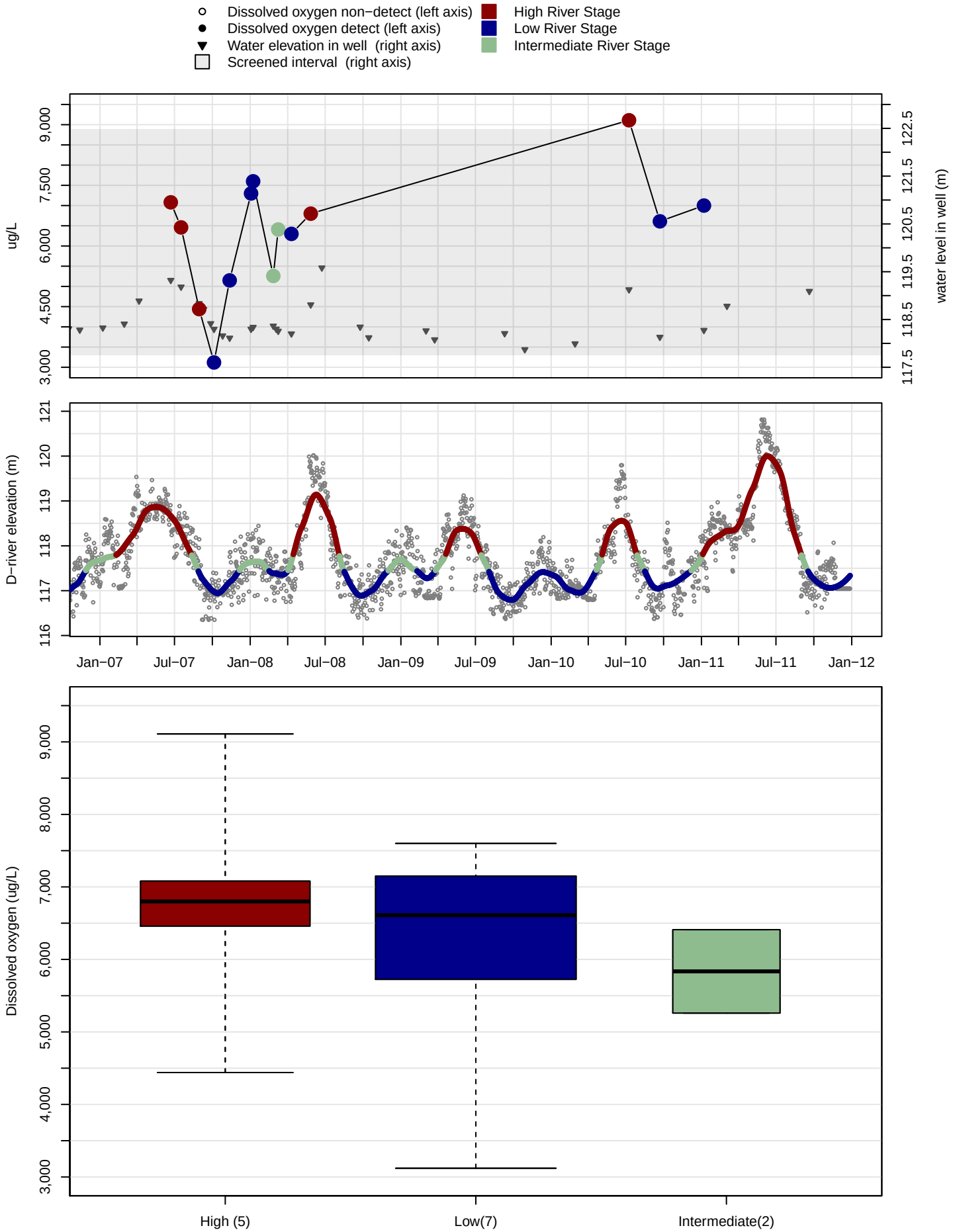
Mann Whitney p = NA t−test p = NA

199−N−64 (430m) Lag (Indeterminate)



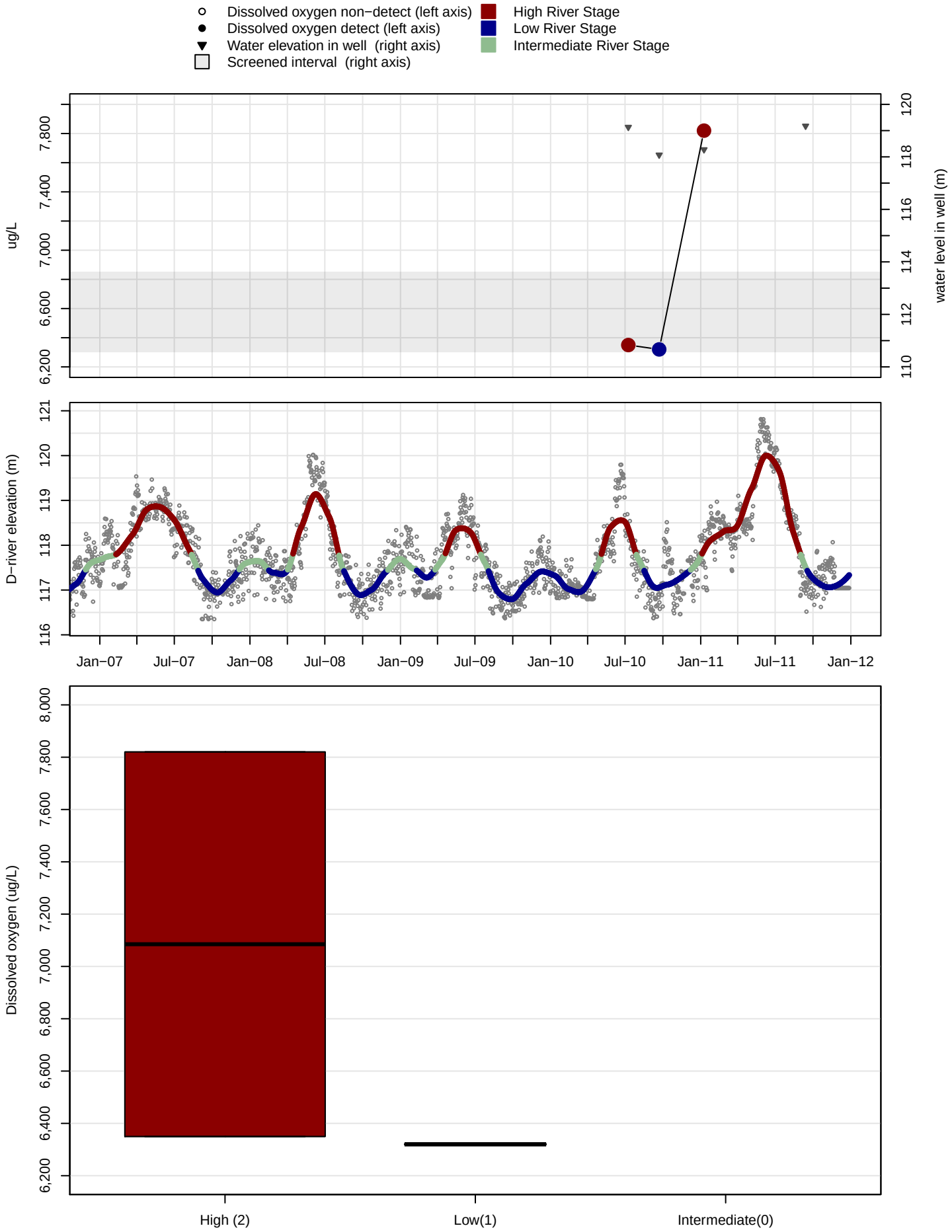
Mann Whitney p = NA t−test p = NA

199−N−67 (219m) Lag (33 Days)



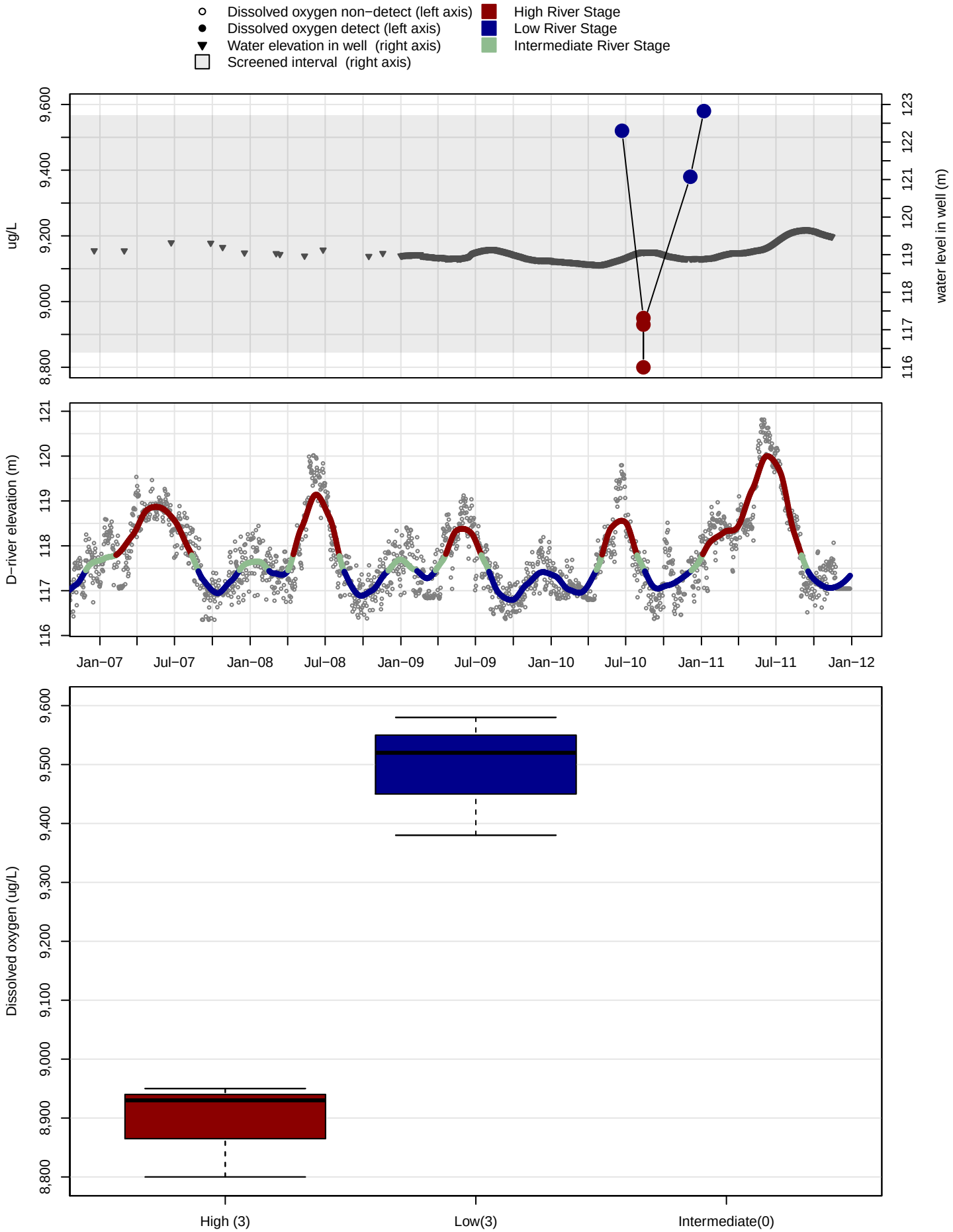
Mann Whitney p = 7.55e−01 t−test p = 5.29e−01

199−N−69 (207m) Lag (Indeterminate)



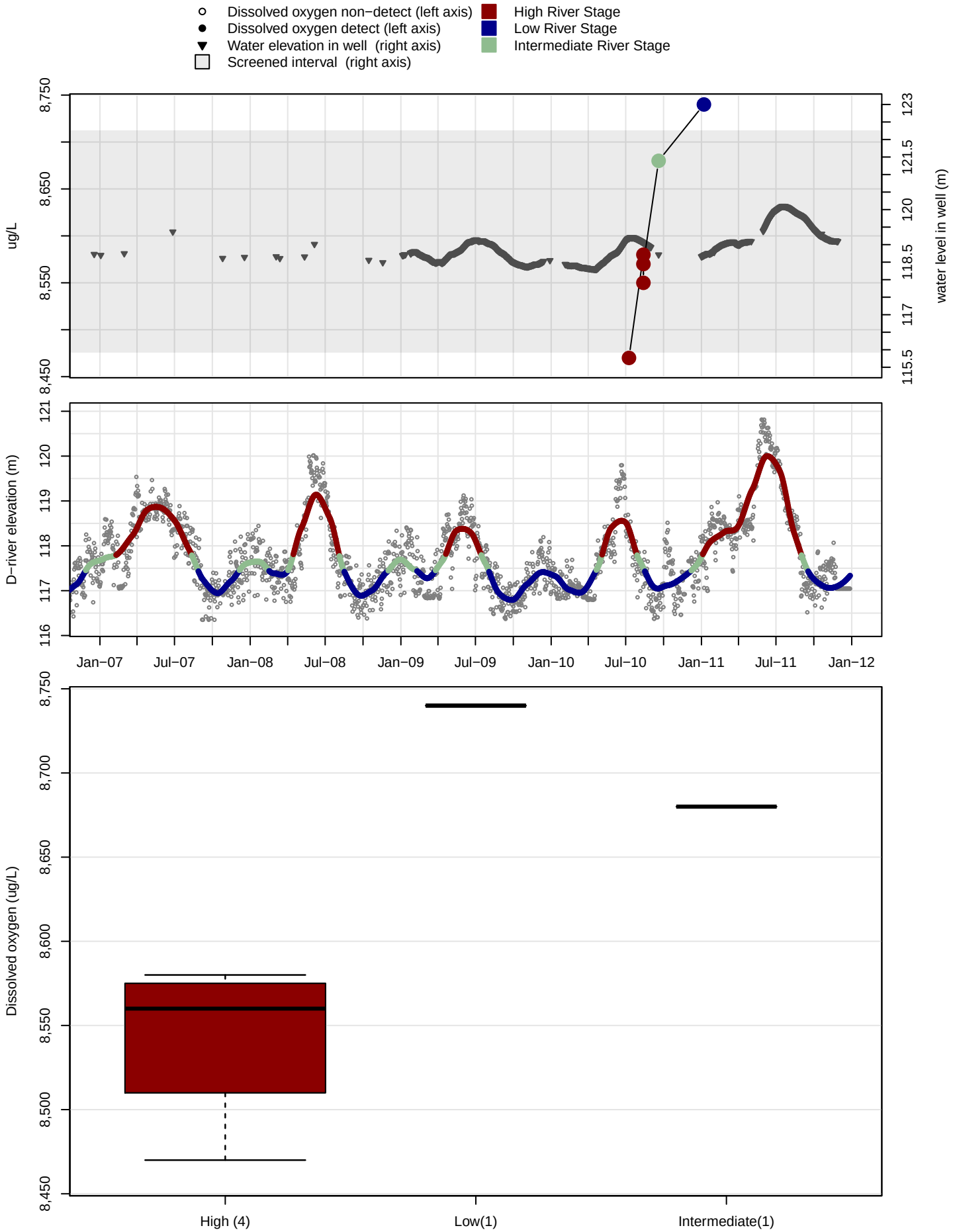
Mann Whitney p = NA t−test p = NA

199−N−71 (751m) Lag (81 Days)



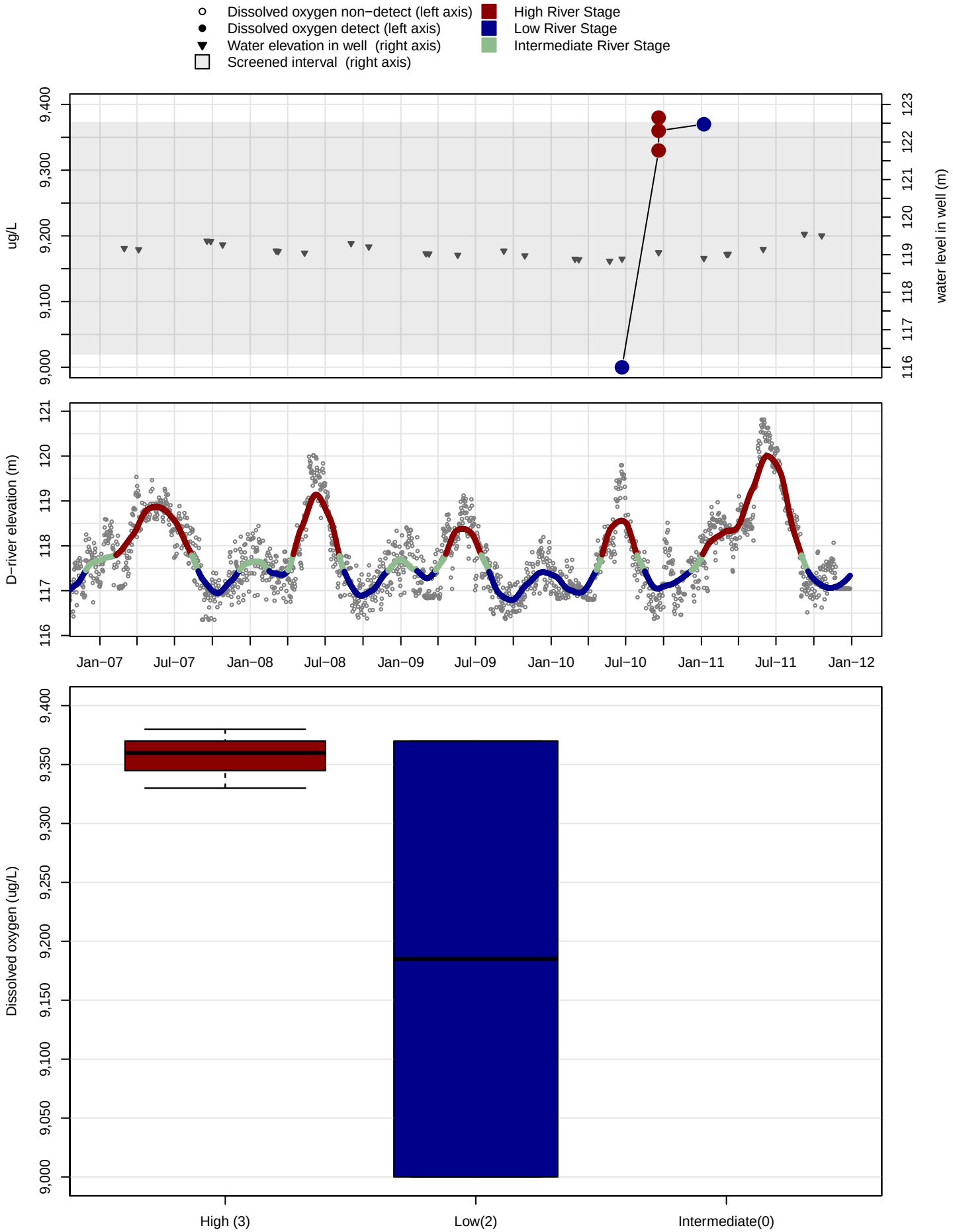
Mann Whitney p = 1e−01 t−test p = 1.68e−03

199−N−72 (362m) Lag (45 Days)



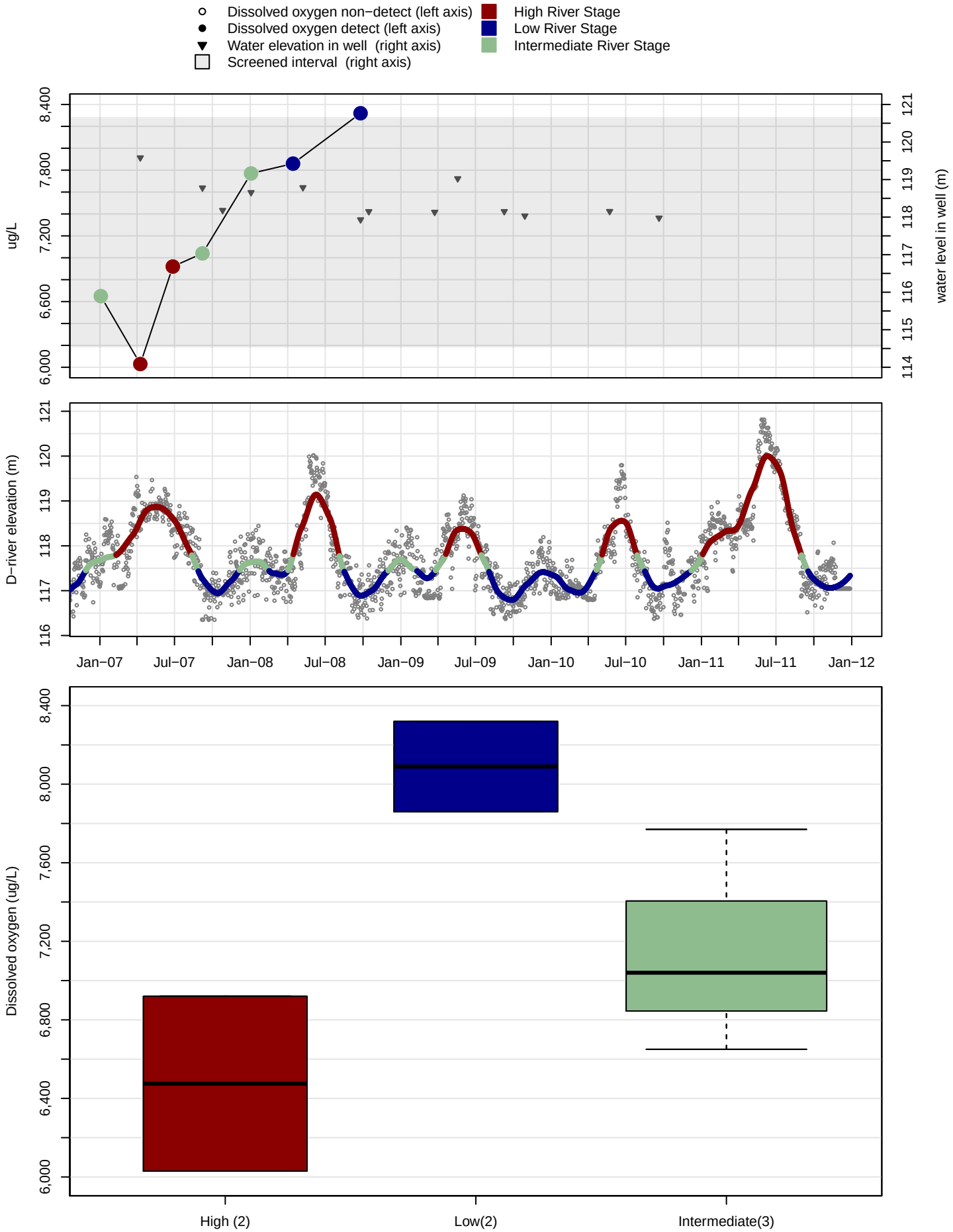
Mann Whitney p = NA t−test p = NA

199−N−74 (953m) Lag (97 Days)



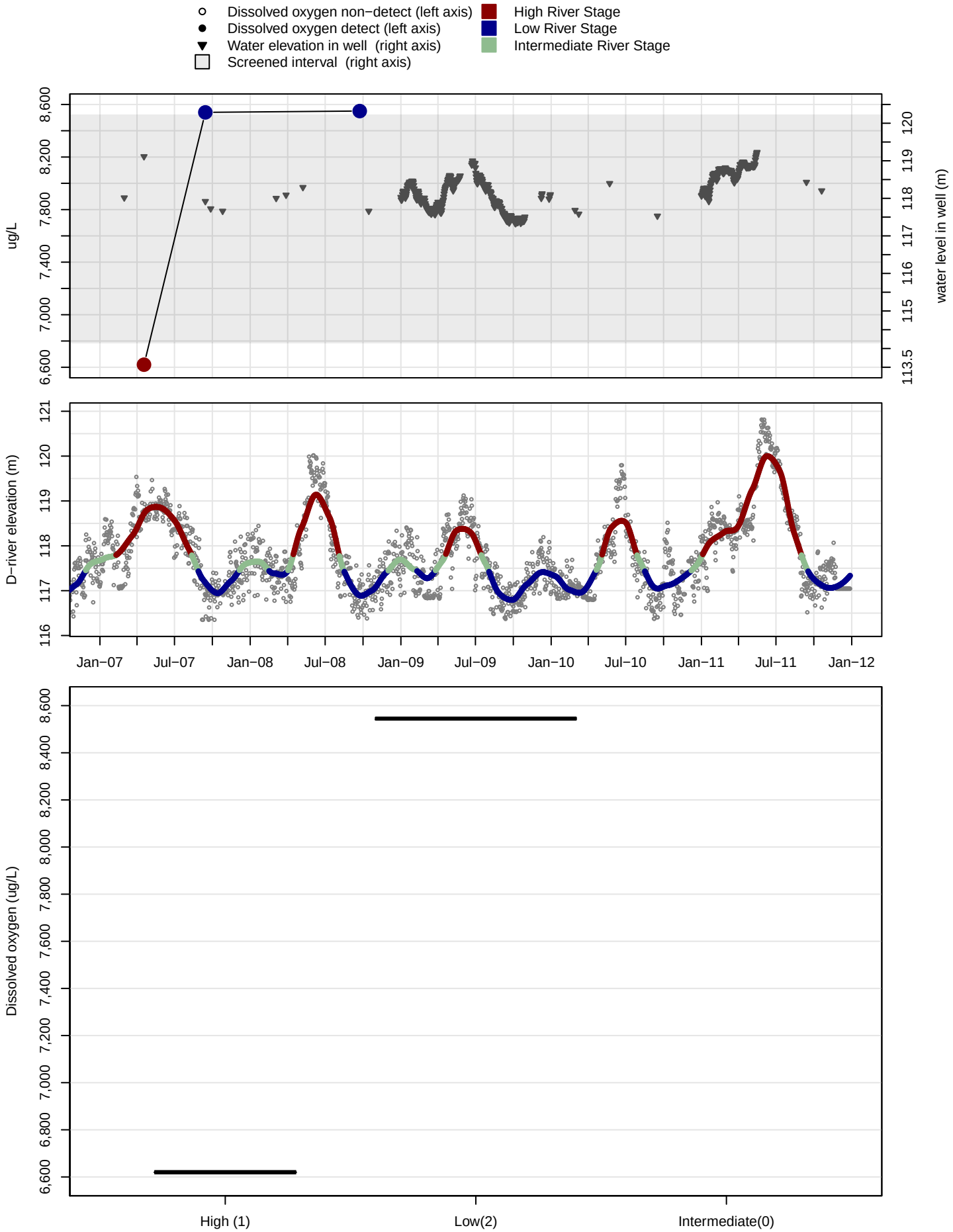
Mann Whitney p = NA t−test p = NA

199−N−75 (87m) Lag (24 Days)



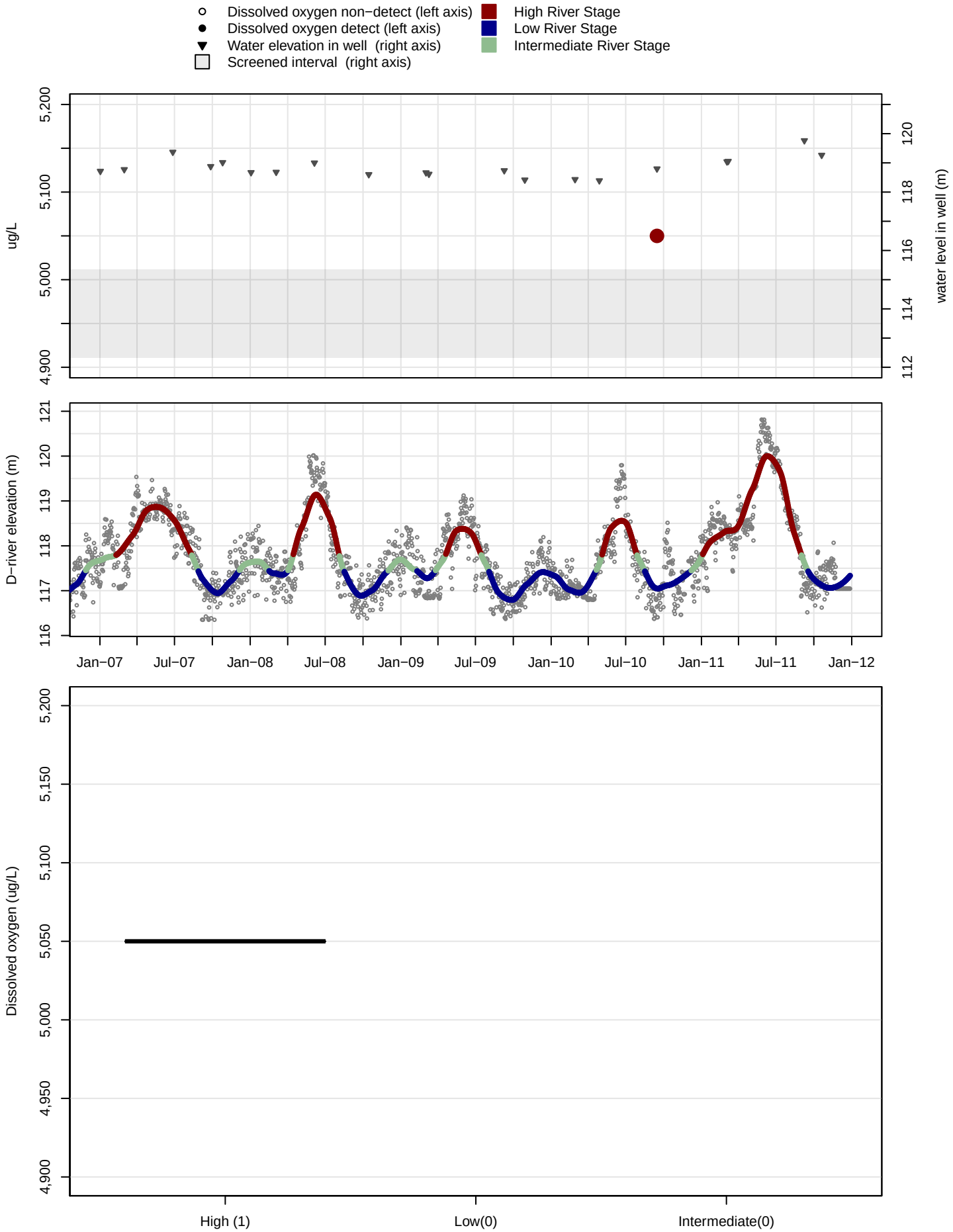
Mann Whitney p = NA t−test p = NA

199−N−76 (85m) Lag (15 Days)



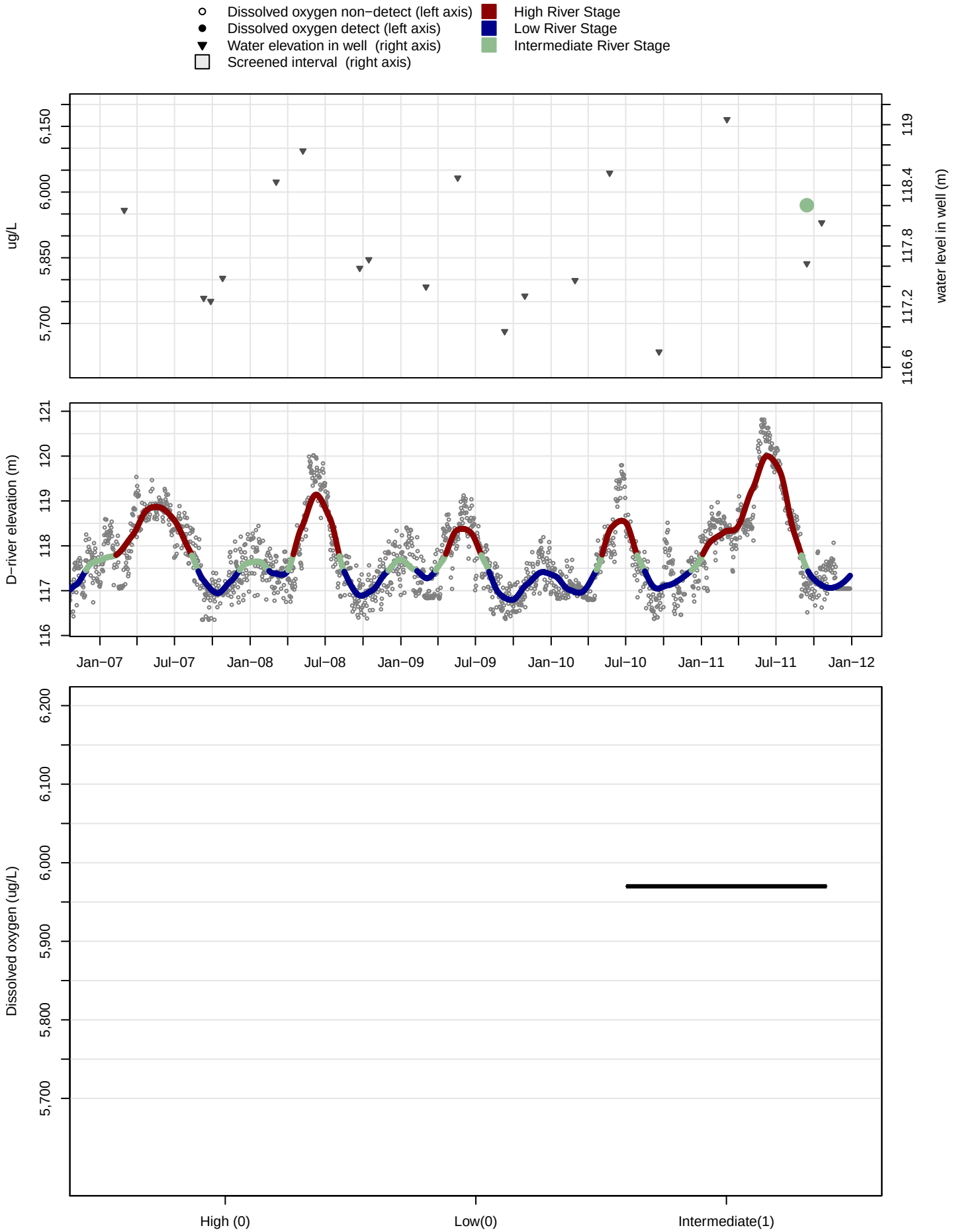
Mann Whitney p = NA t−test p = NA

199−N−77 (372m) Lag (49 Days)



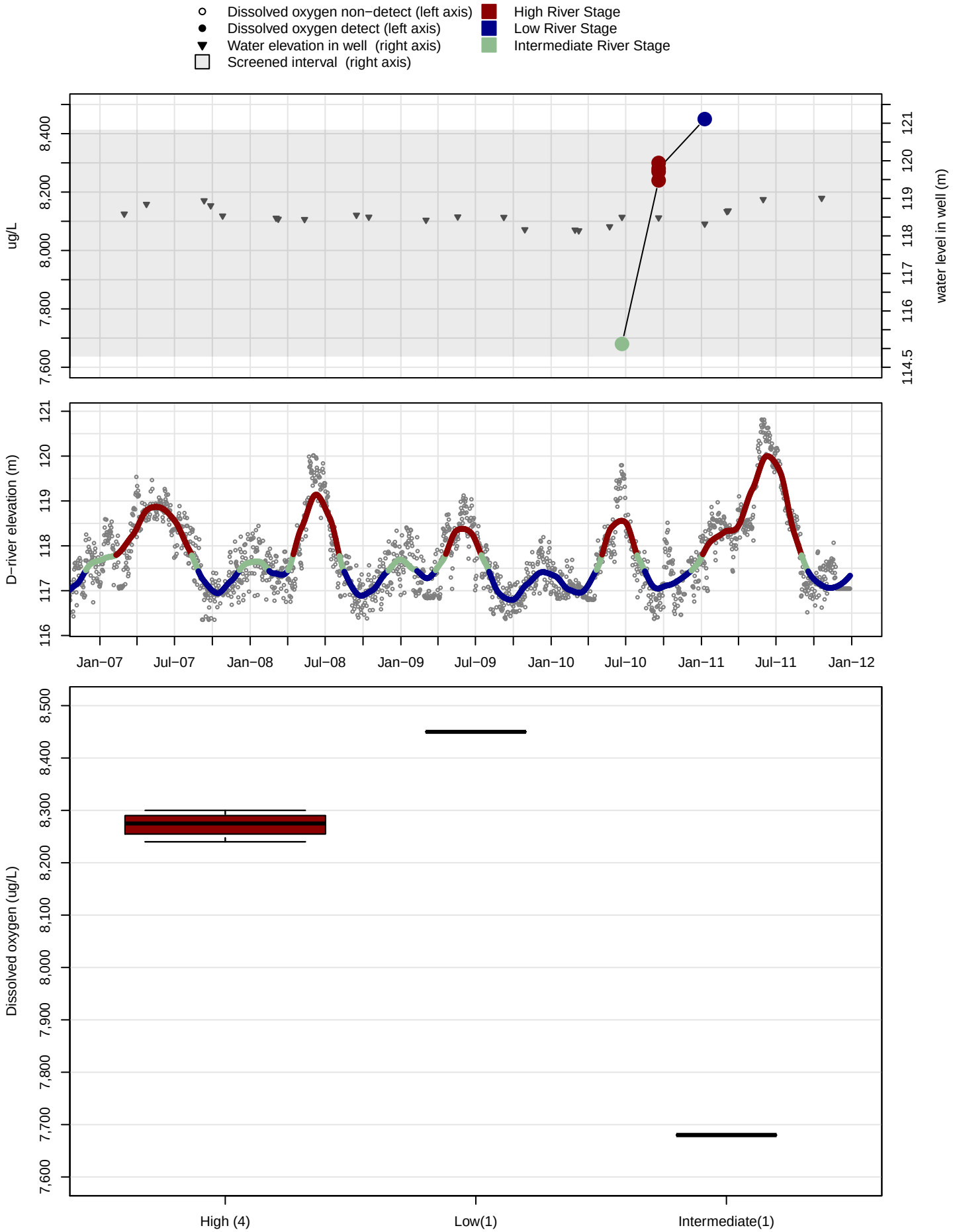
Mann Whitney p = NA t−test p = NA

199−N−80 (107m) Lag (0 Days)



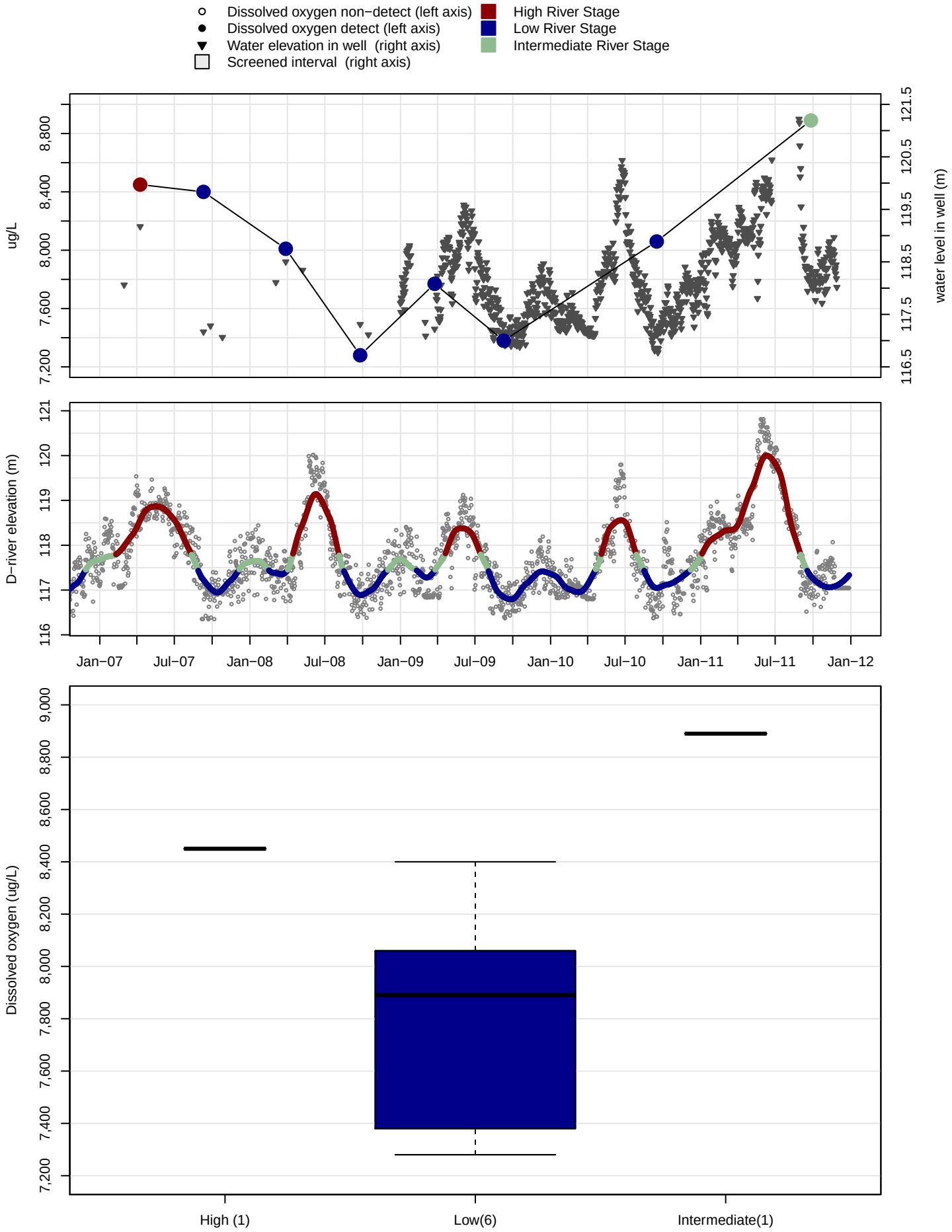
Mann Whitney p = NA t−test p = NA

199−N−81 (603m) Lag (53 Days)



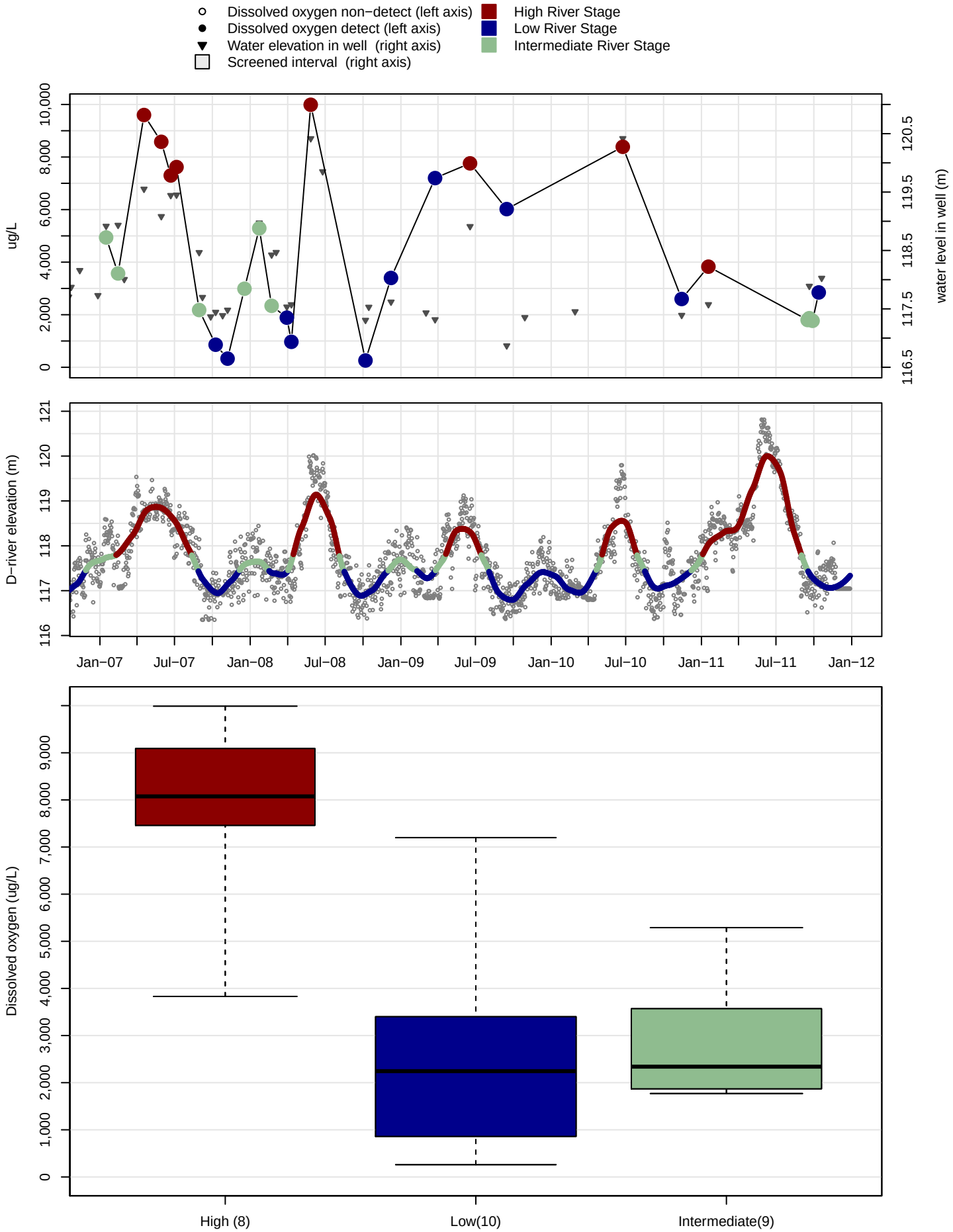
Mann Whitney p = NA t−test p = NA

199−N−92A (6m) Lag (9 Days)



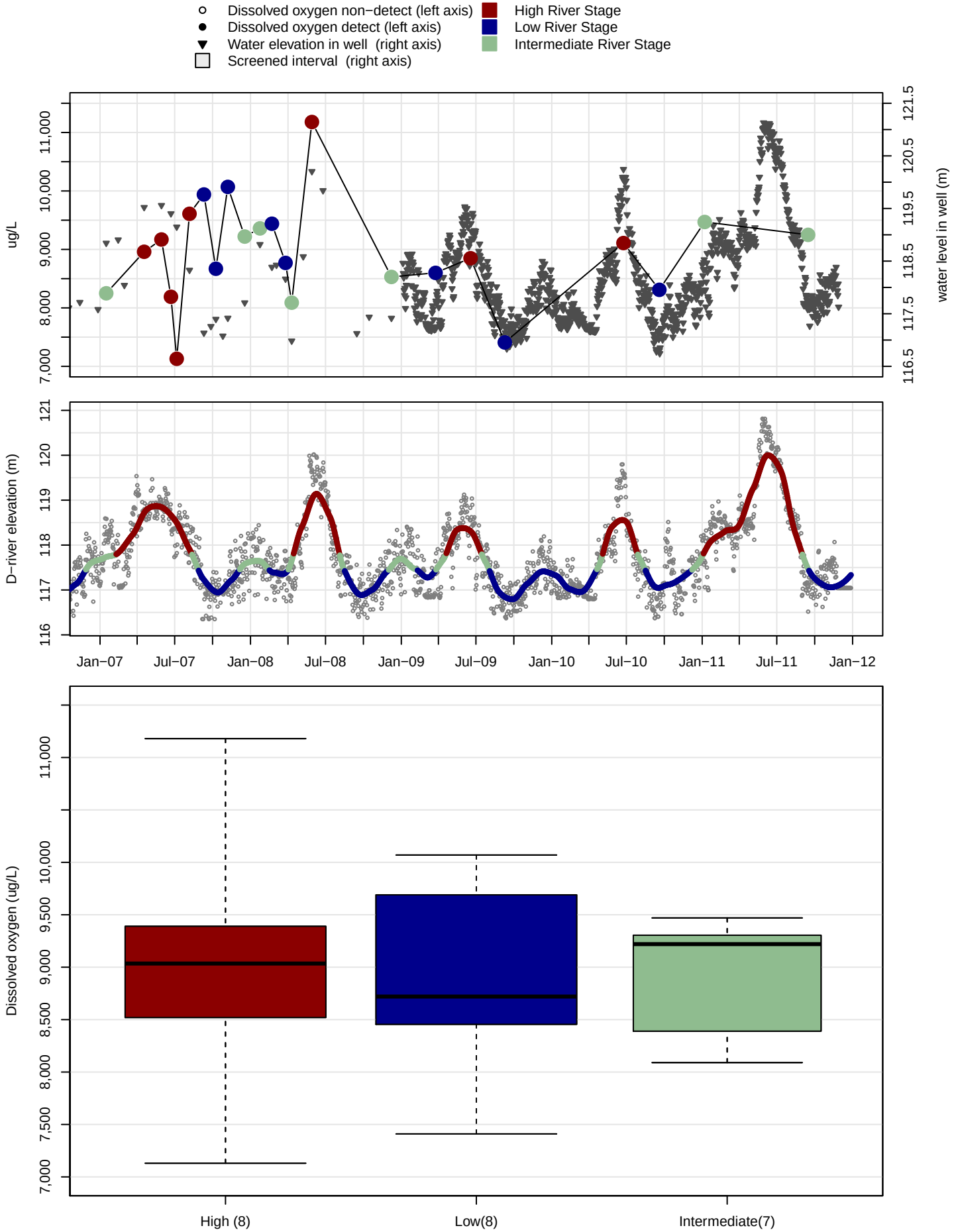
Mann Whitney p = NA t−test p = NA

199−N−96A (5m) Lag (11 Days)



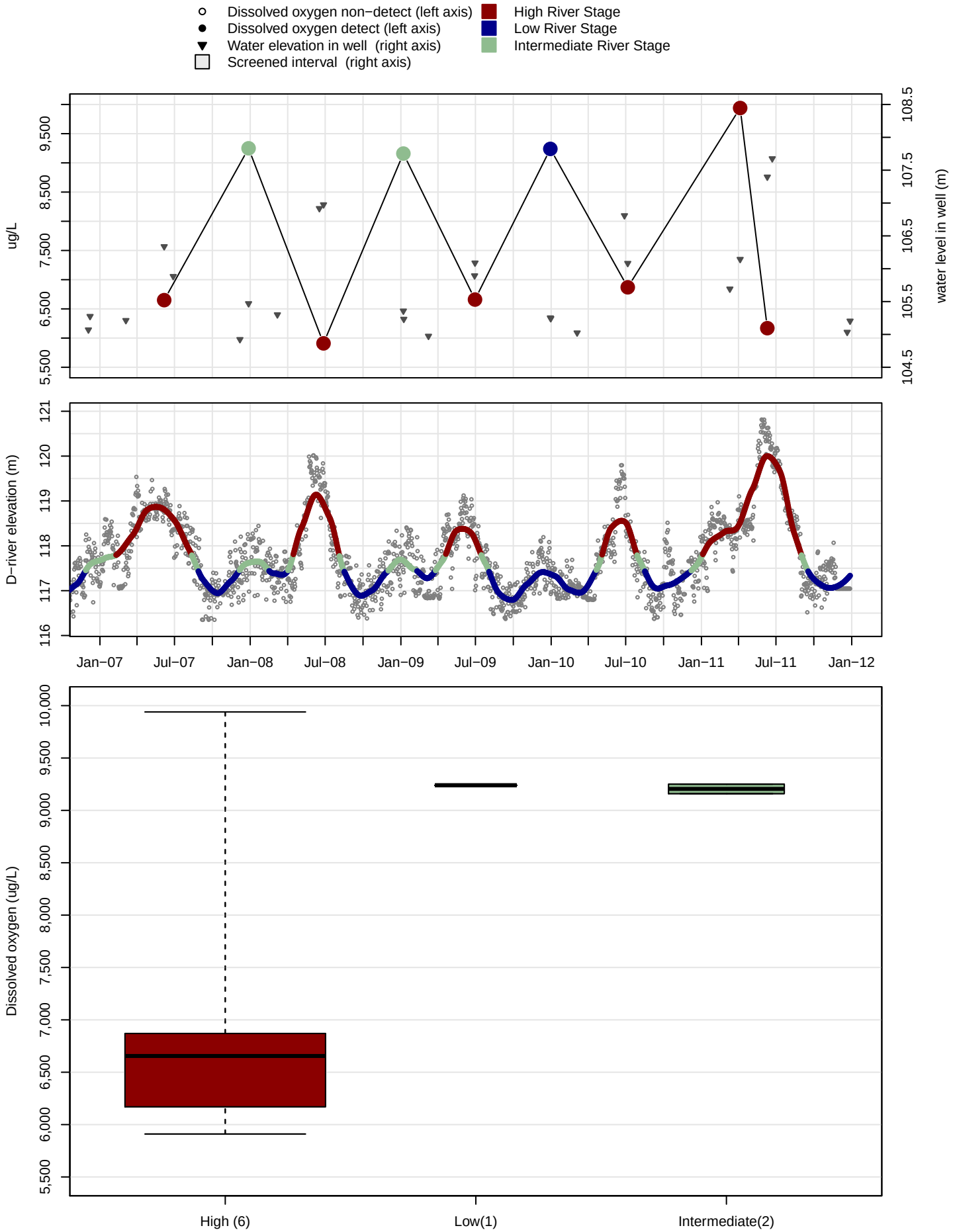
Mann Whitney p = 1.83e−04 t−test p = 8.24e−05

199−N−99A (7m) Lag (3 Days)



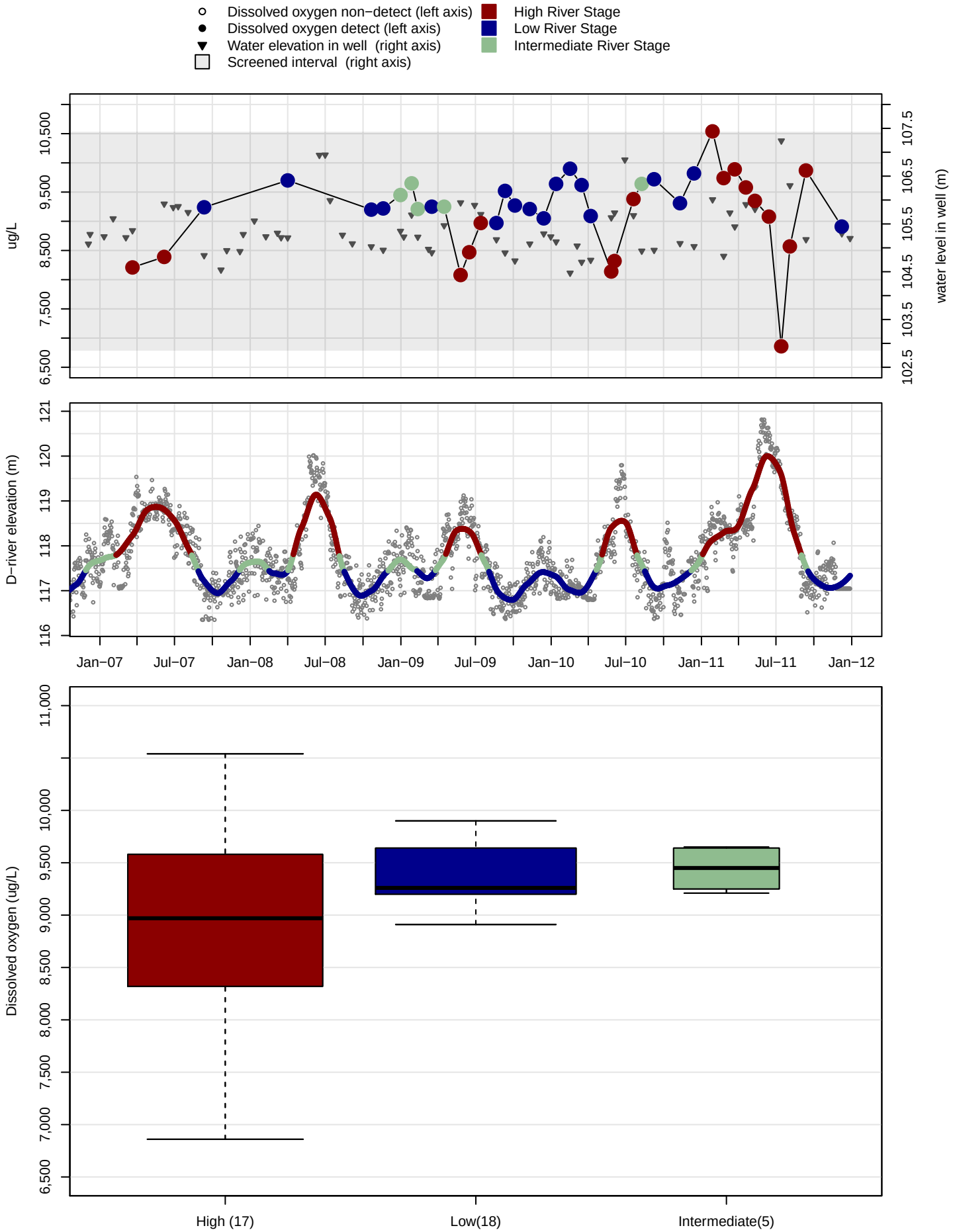
Mann Whitney p = 7.98e−01 t−test p = 8.14e−01

399−1−1 (50m) Lag (16 Days)



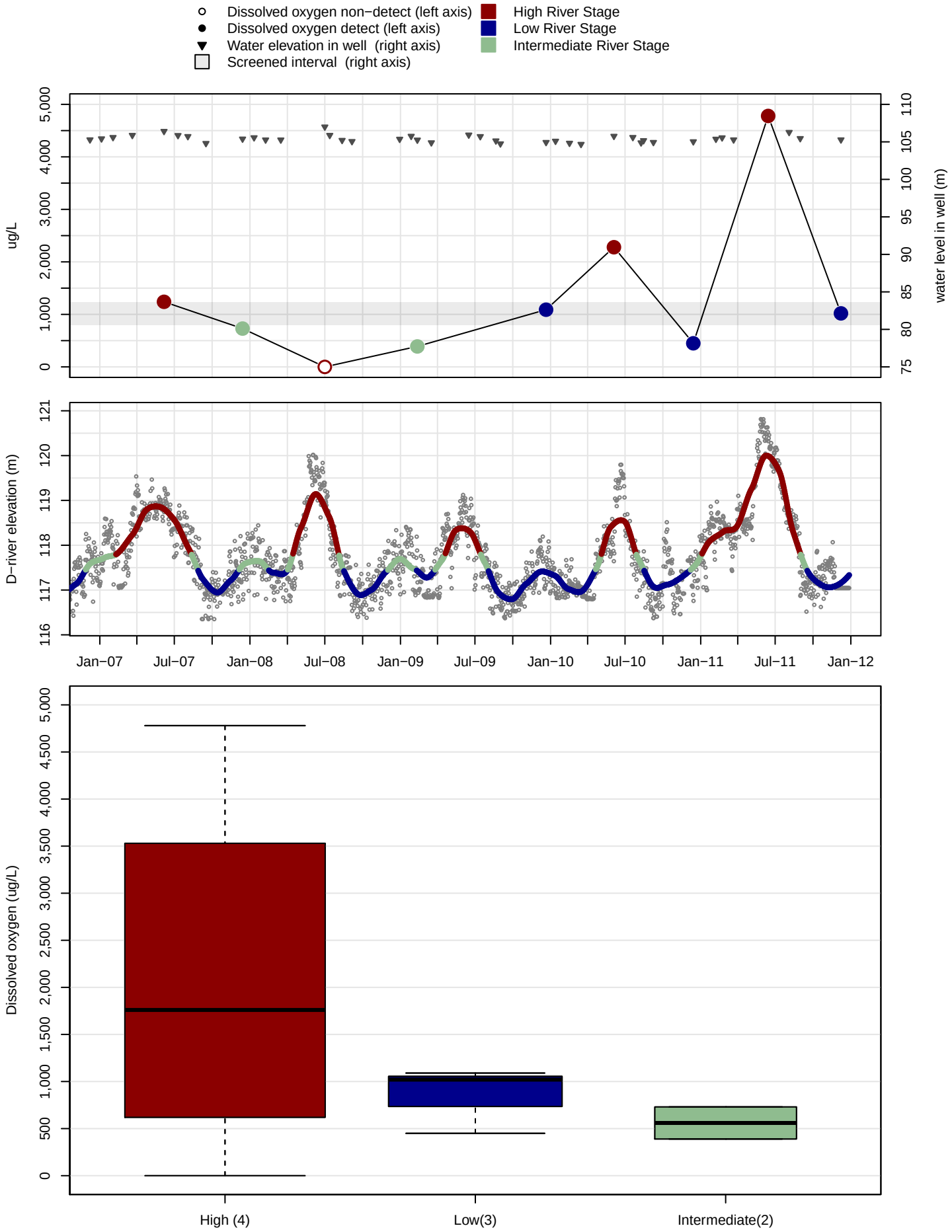
Mann Whitney p = NA t−test p = NA

399−1−10A (35m) Lag (9 Days)



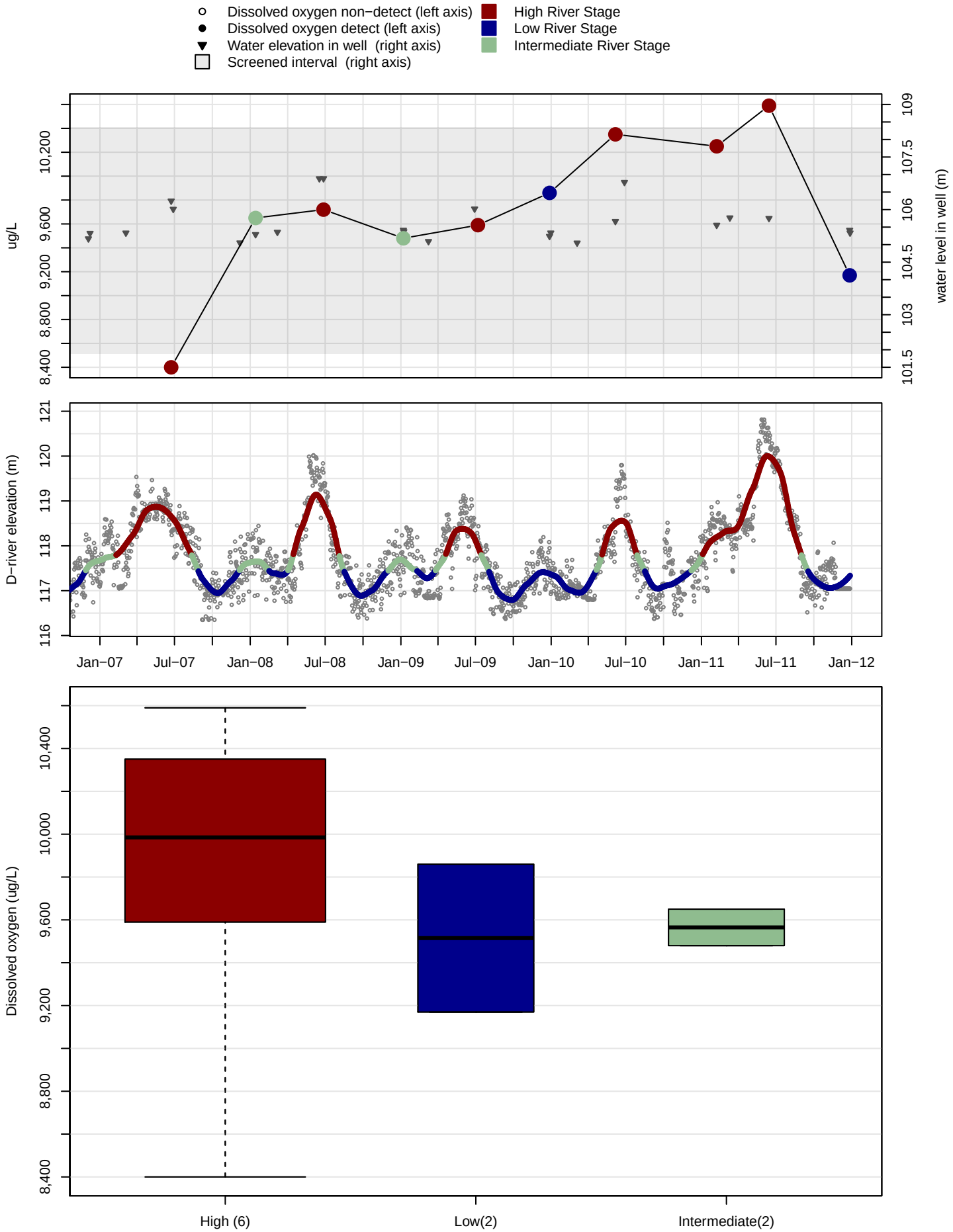
Mann Whitney p = 1.28e−01 t−test p = 5.95e−02

399−1−10B (31m) Lag (5 Days)



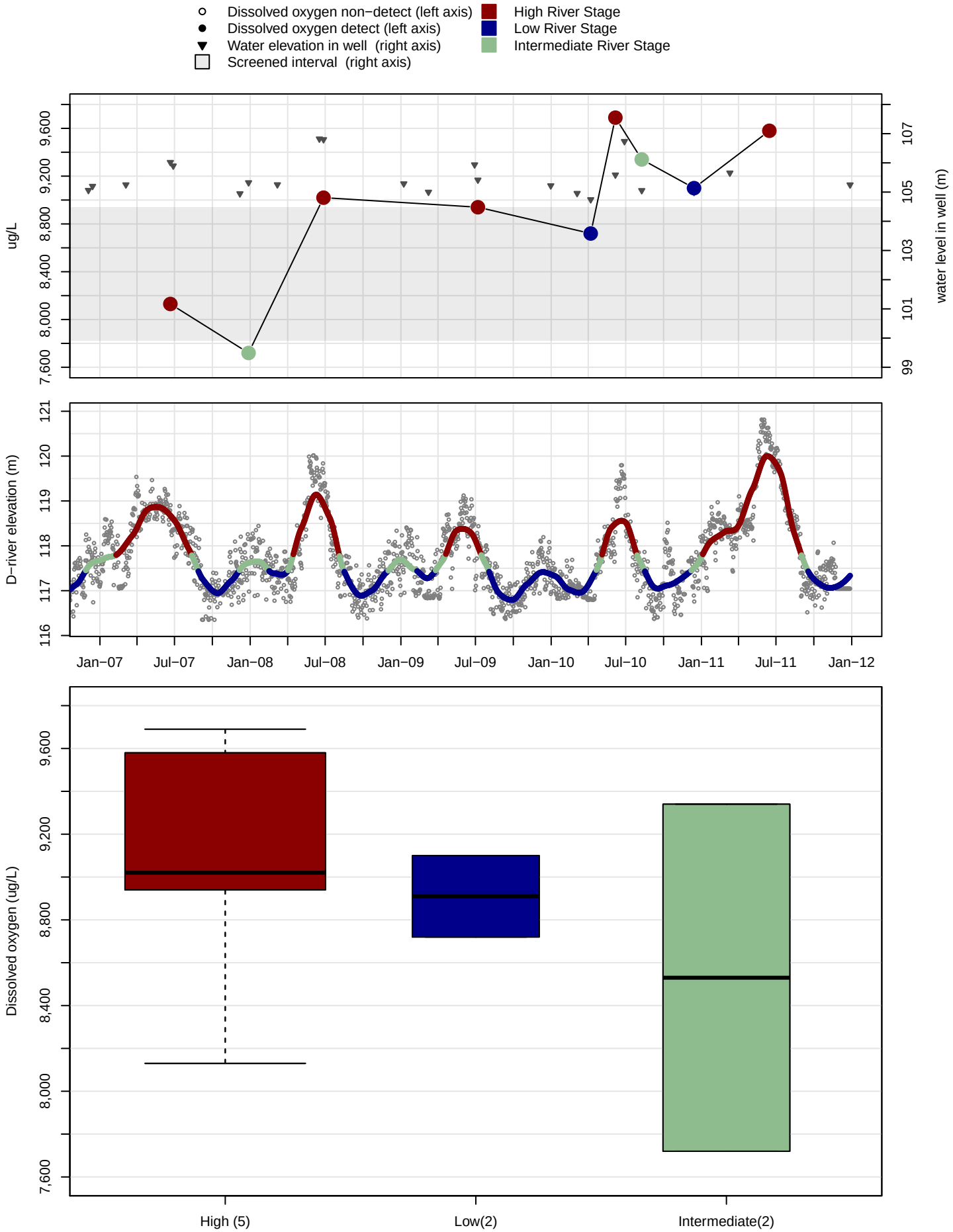
Mann Whitney p = 4e−01 t−test p = 3.17e−01

399−1−11 (281m) Lag (25 Days)



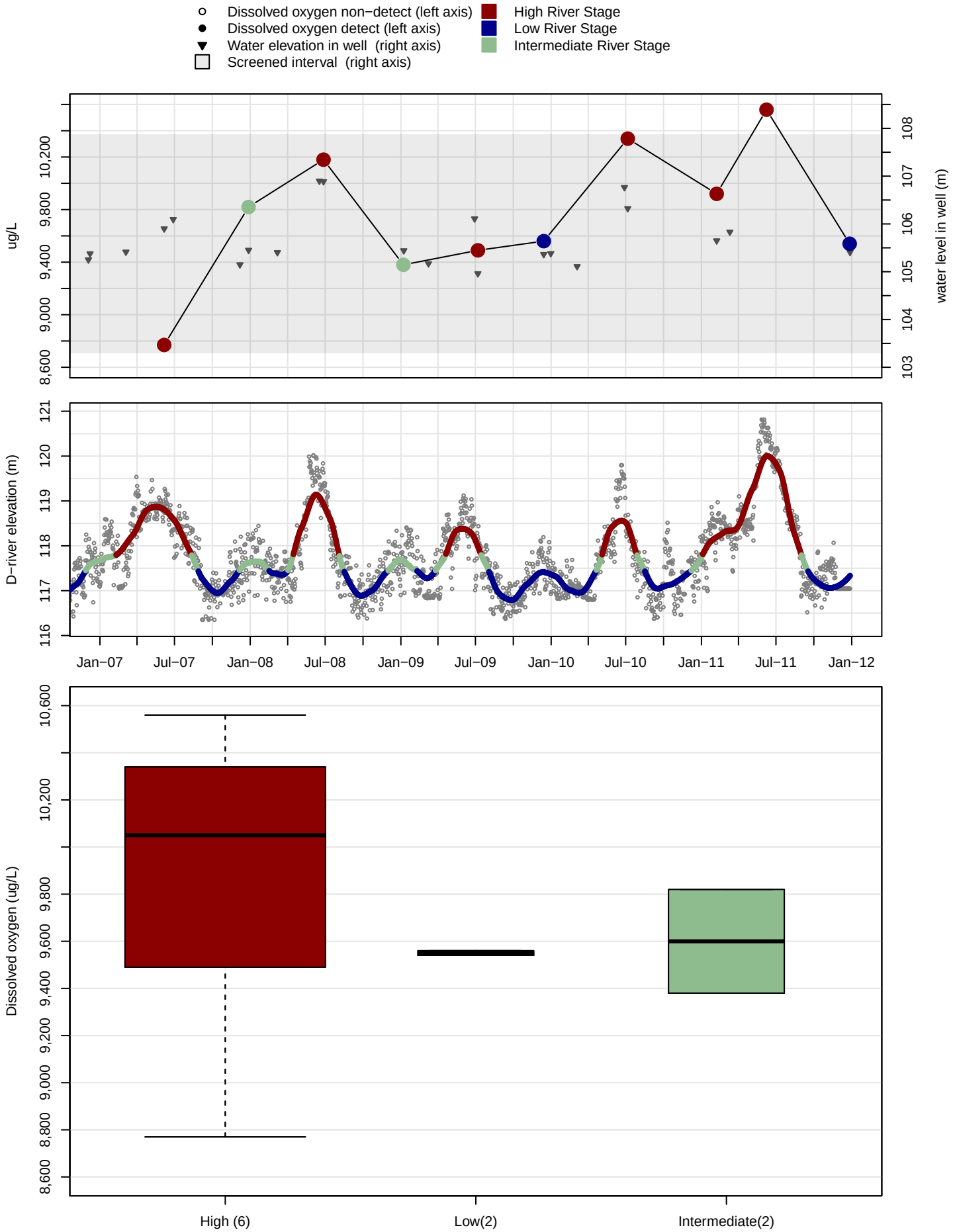
Mann Whitney p = NA t−test p = NA

399−1−12 (363m) Lag (5 Days)



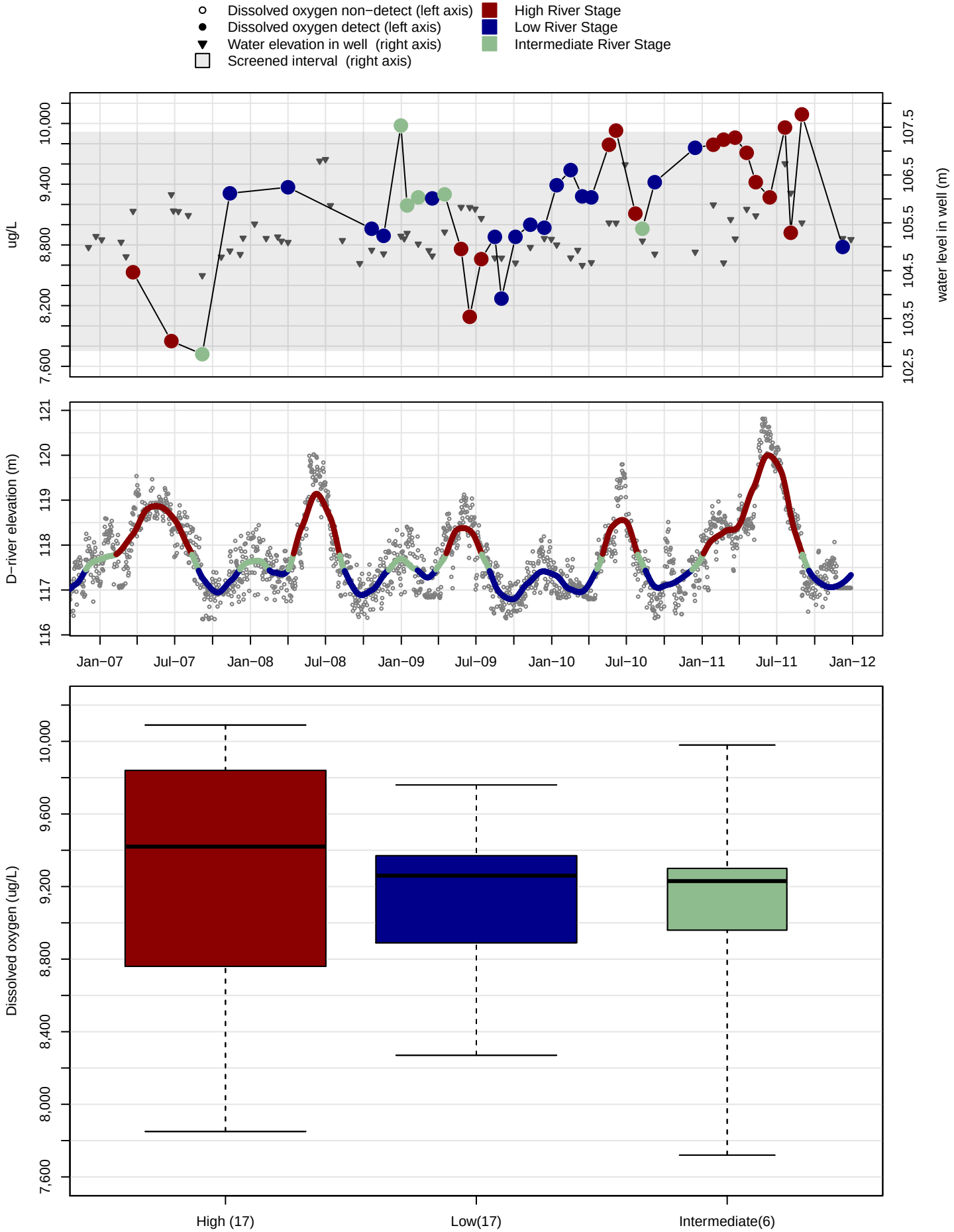
Mann Whitney p = NA t−test p = NA

399−1−15 (362m) Lag (5 Days)



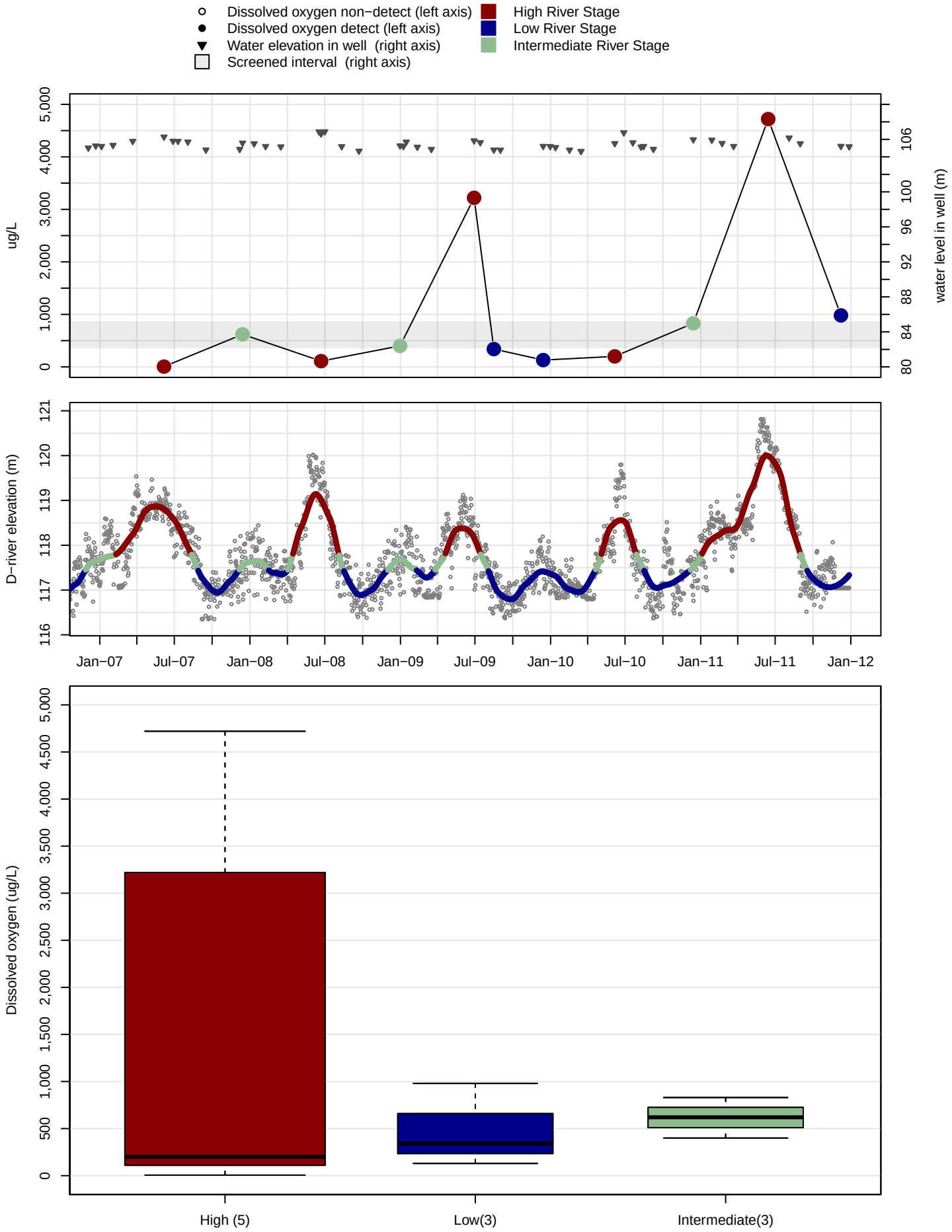
Mann Whitney p = NA t−test p = NA

399−1−16A (120m) Lag (9 Days)



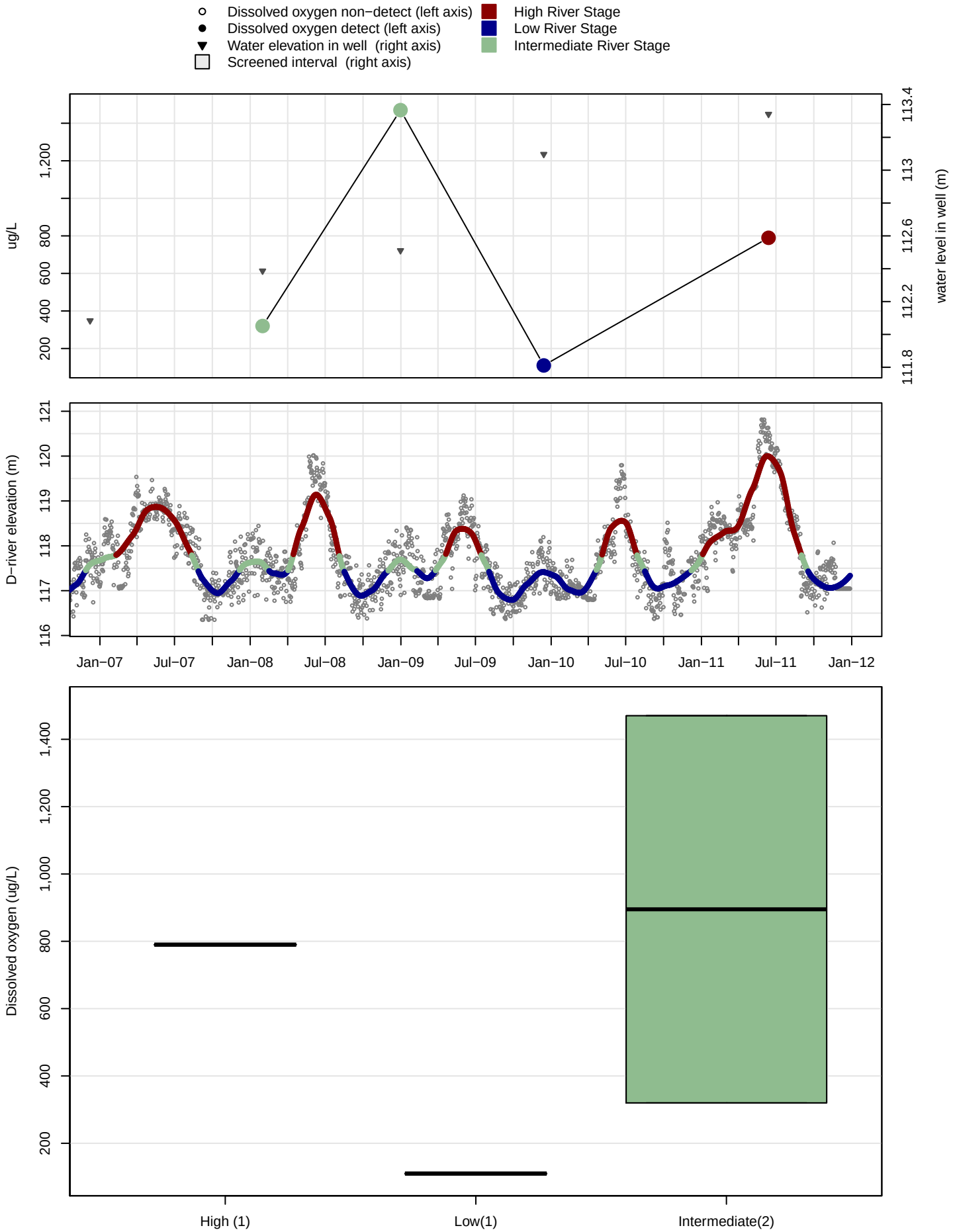
Mann Whitney p = 3.02e−01 t−test p = 4.72e−01

399−1−16B (114m) Lag (2 Days)



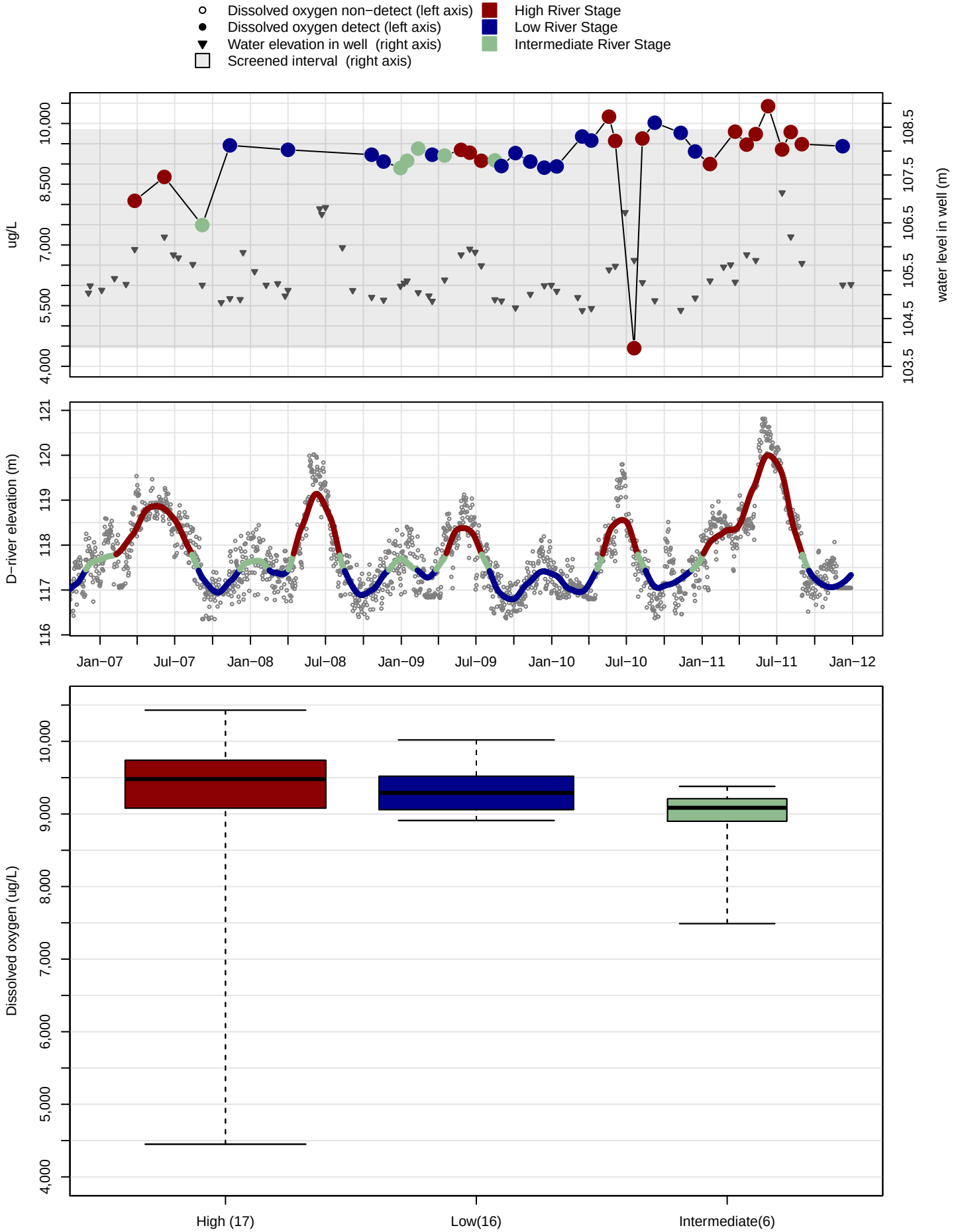
Mann Whitney p = 1e+00 t−test p = 3.05e−01

399−1−16C (127m) Lag (Indeterminate)



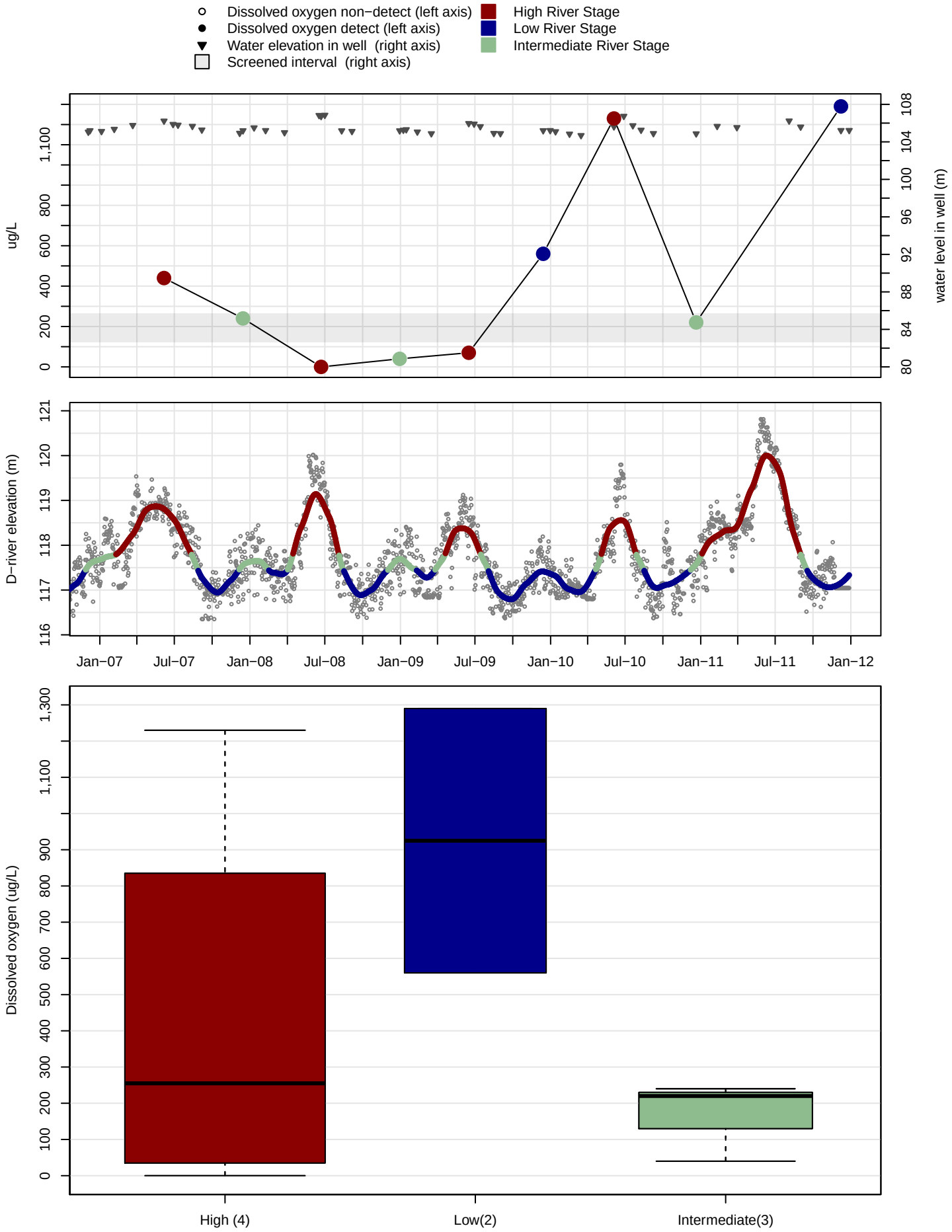
Mann Whitney p = NA t−test p = NA

399−1−17A (316m) Lag (12 Days)



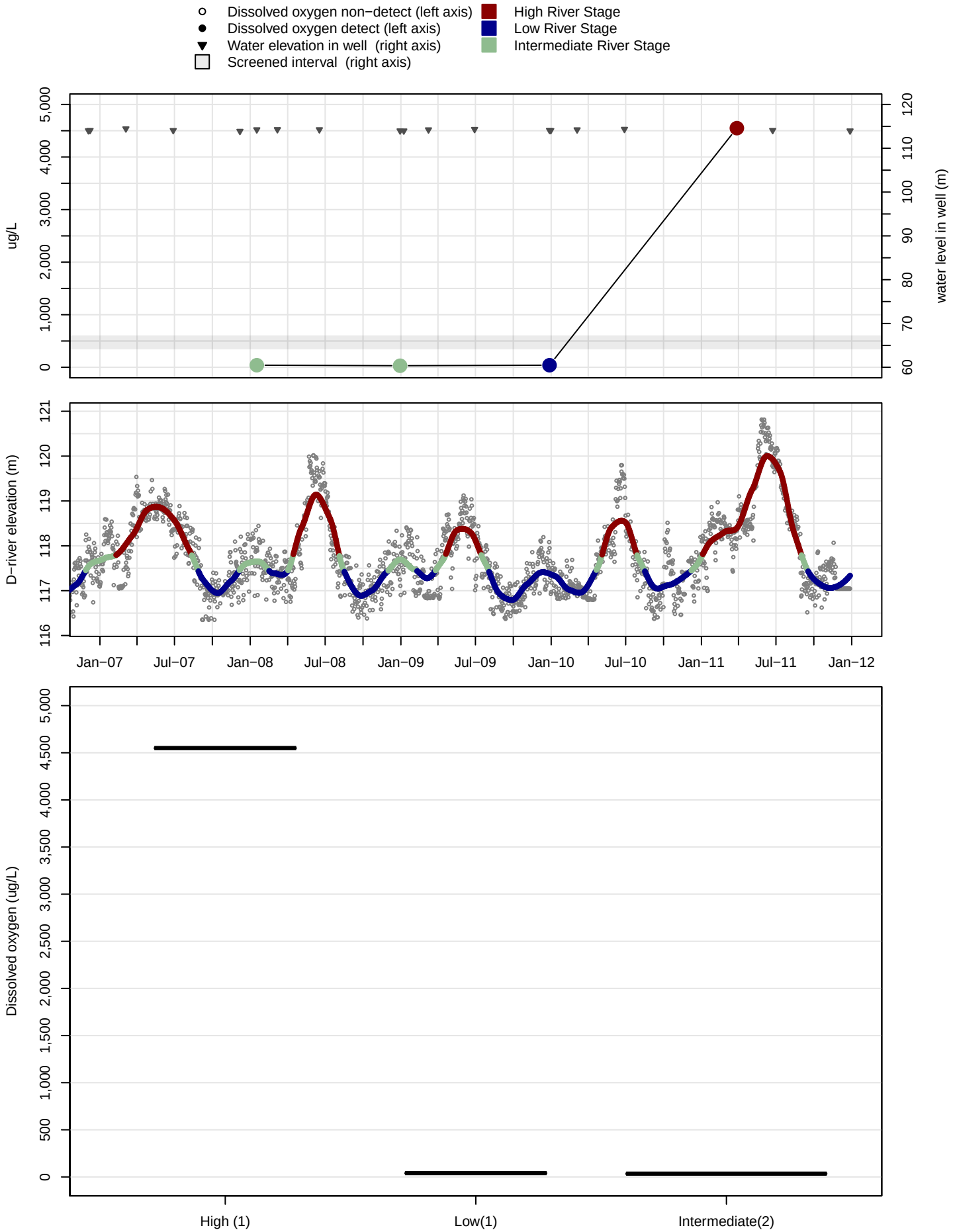
Mann Whitney p = 3.87e−01 t−test p = 5.77e−01

399−1−17B (323m) Lag (7 Days)



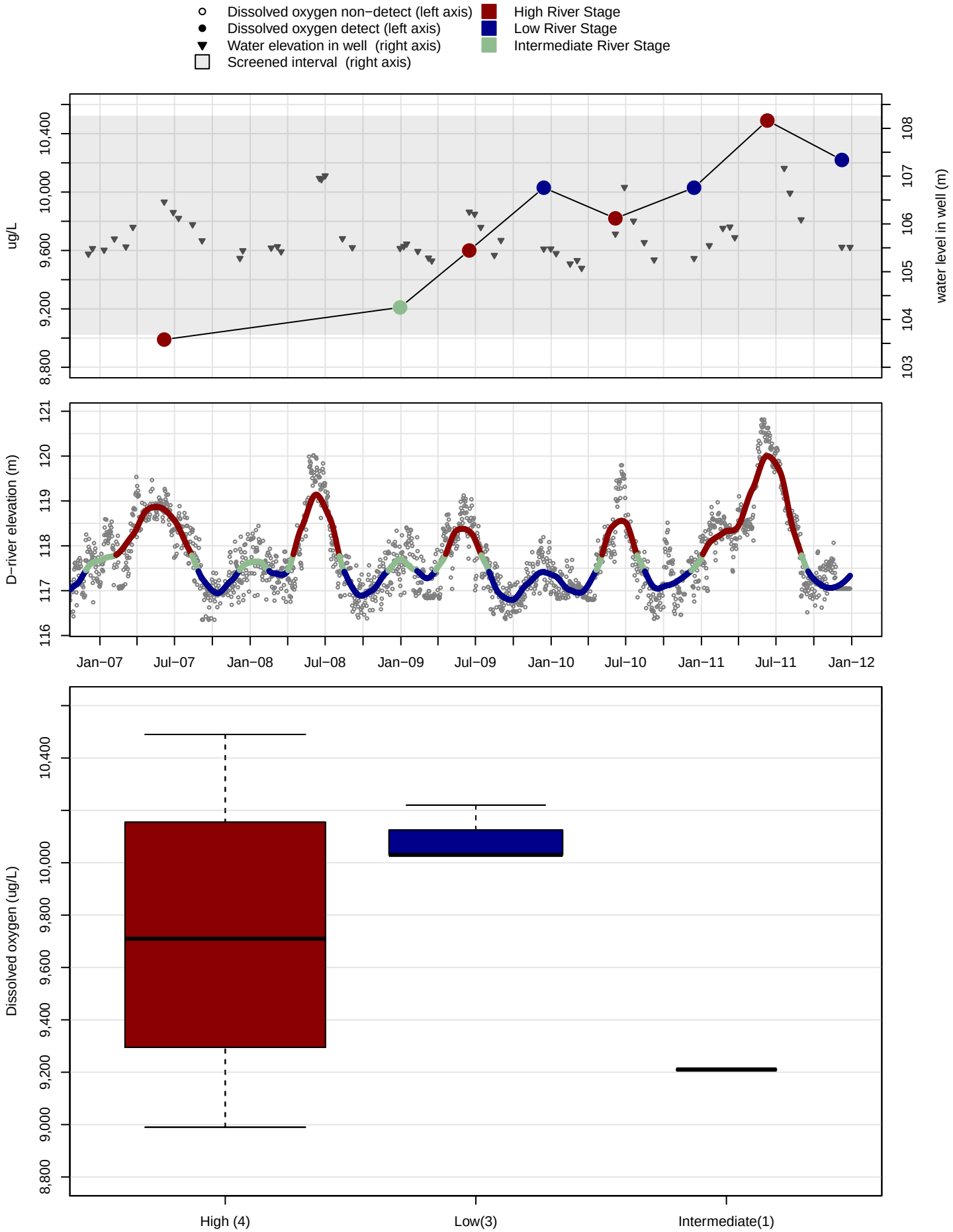
Mann Whitney p = NA t−test p = NA

399−1−17C (325m) Lag (42 Days)



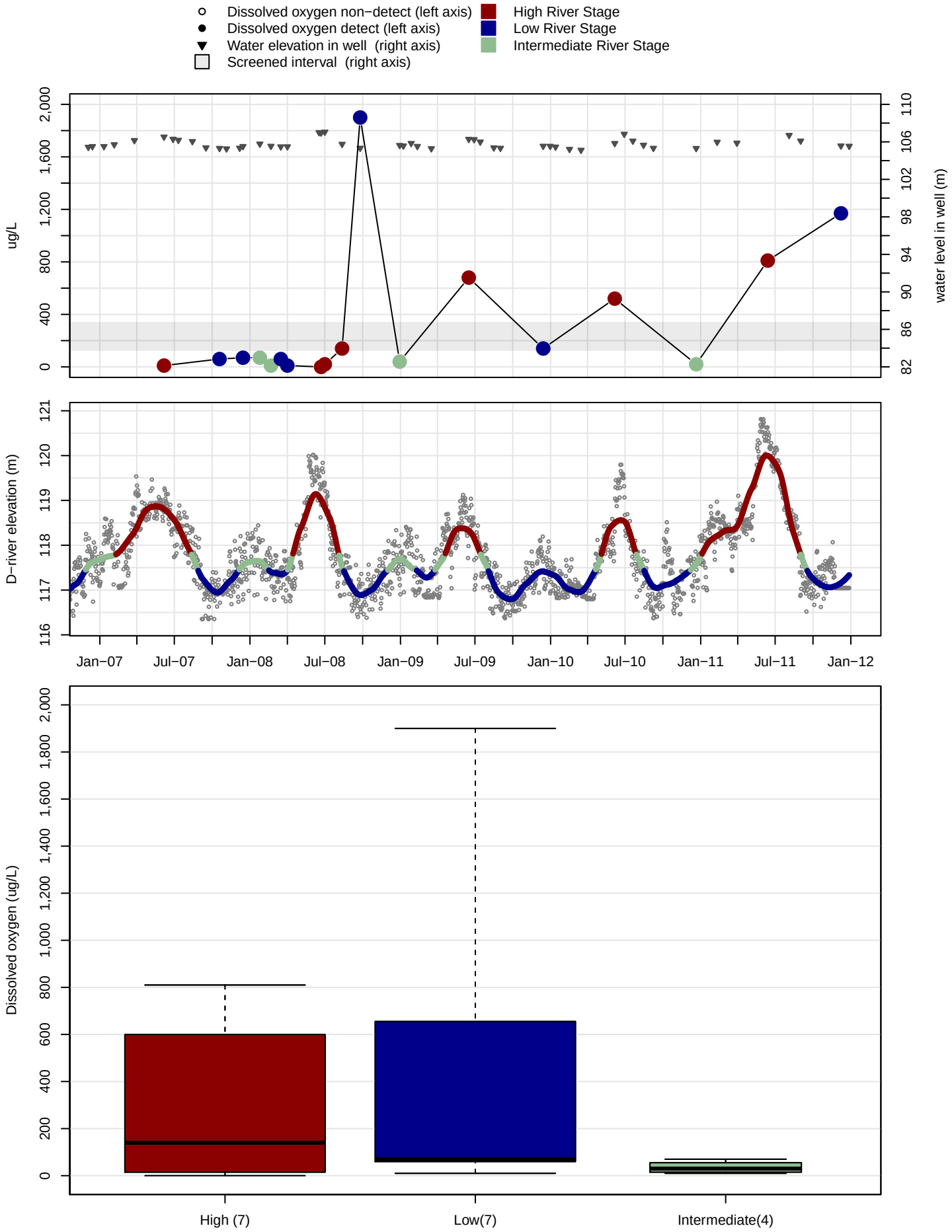
Mann Whitney p = NA t−test p = NA

399−1−18A (447m) Lag (17 Days)



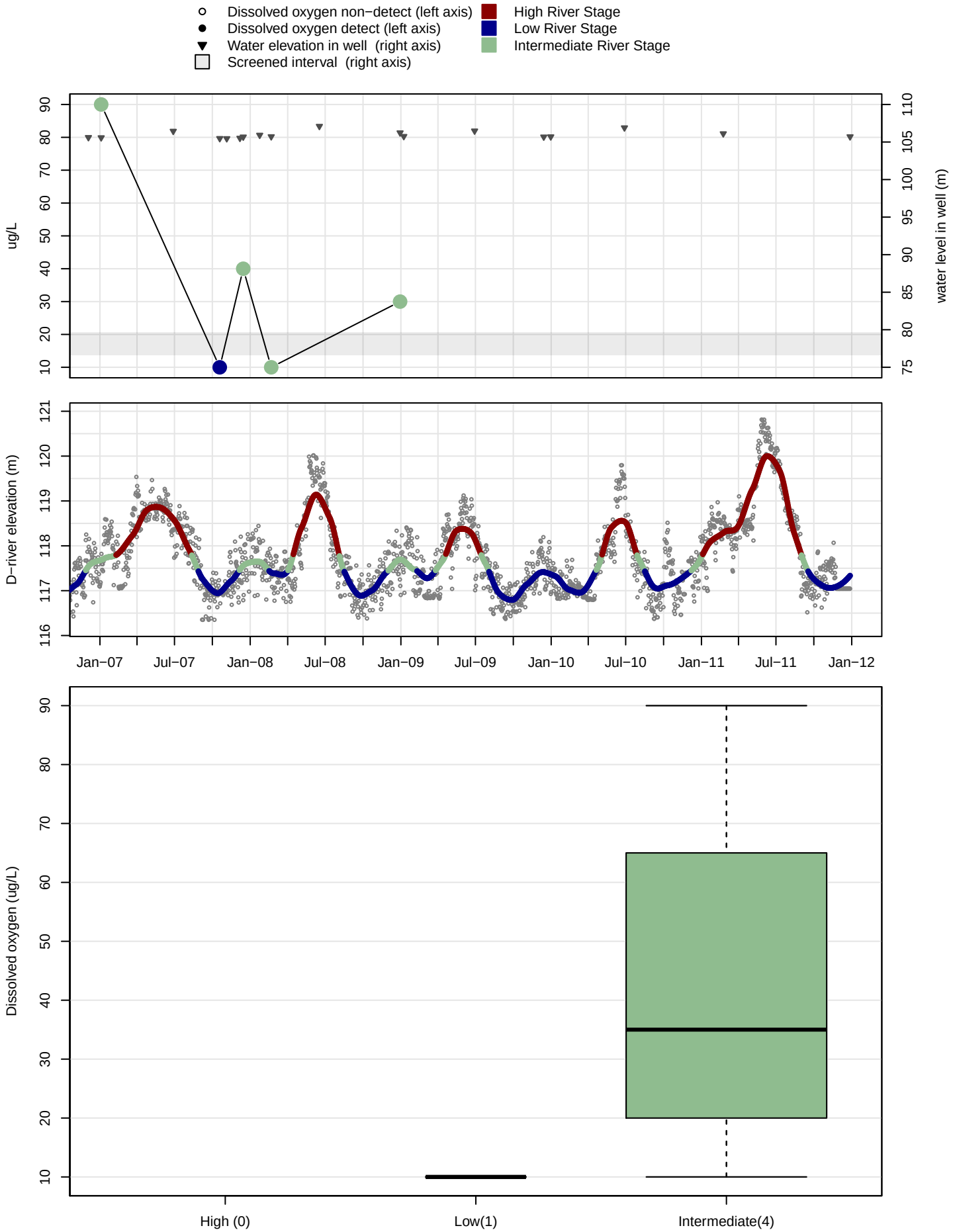
Mann Whitney p = 3.43e−01 t−test p = 3.22e−01

399−1−18B (452m) Lag (11 Days)



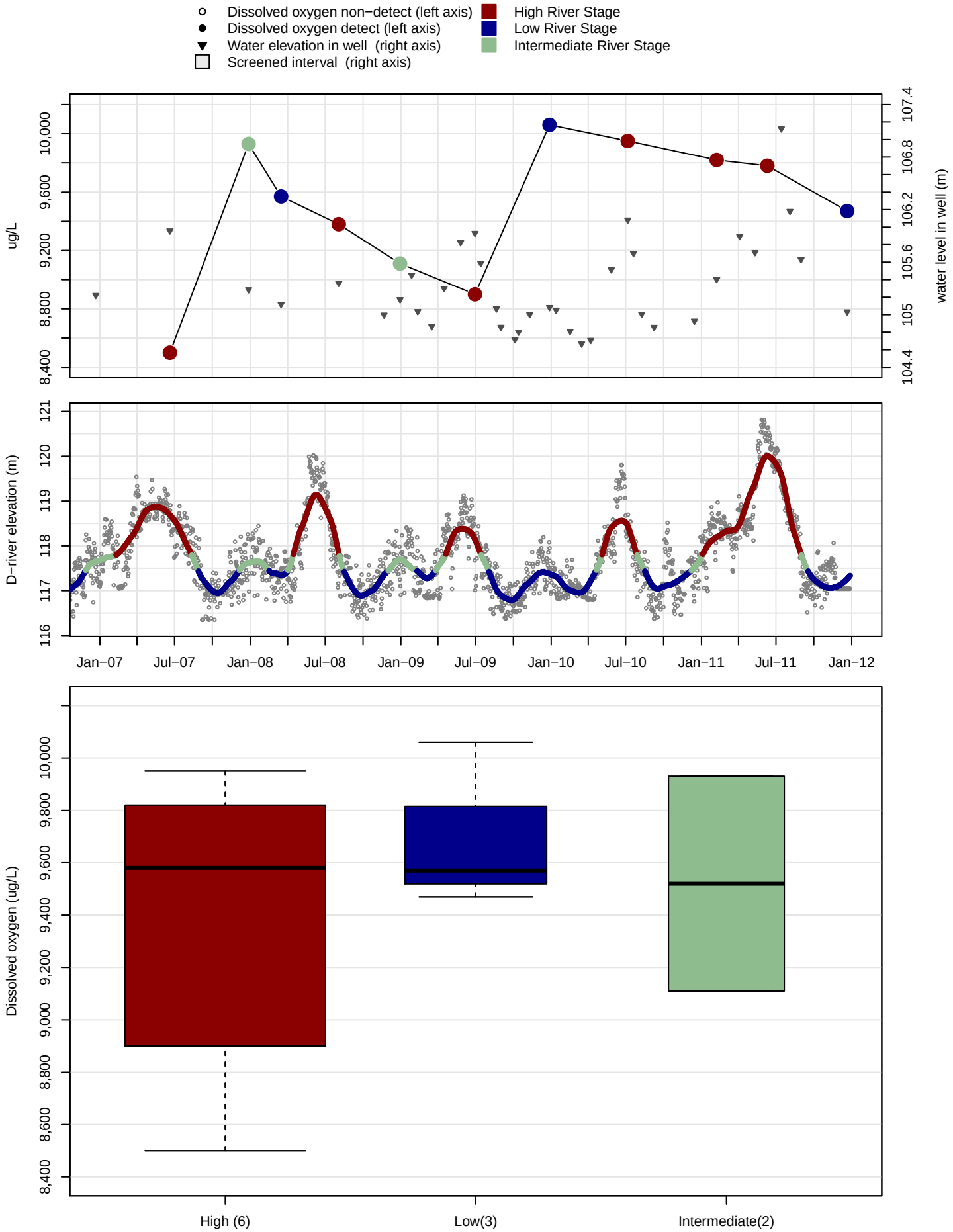
Mann Whitney p = 6.88e−01 t−test p = 5.87e−01

399−1−18C (445m) Lag (7 Days)



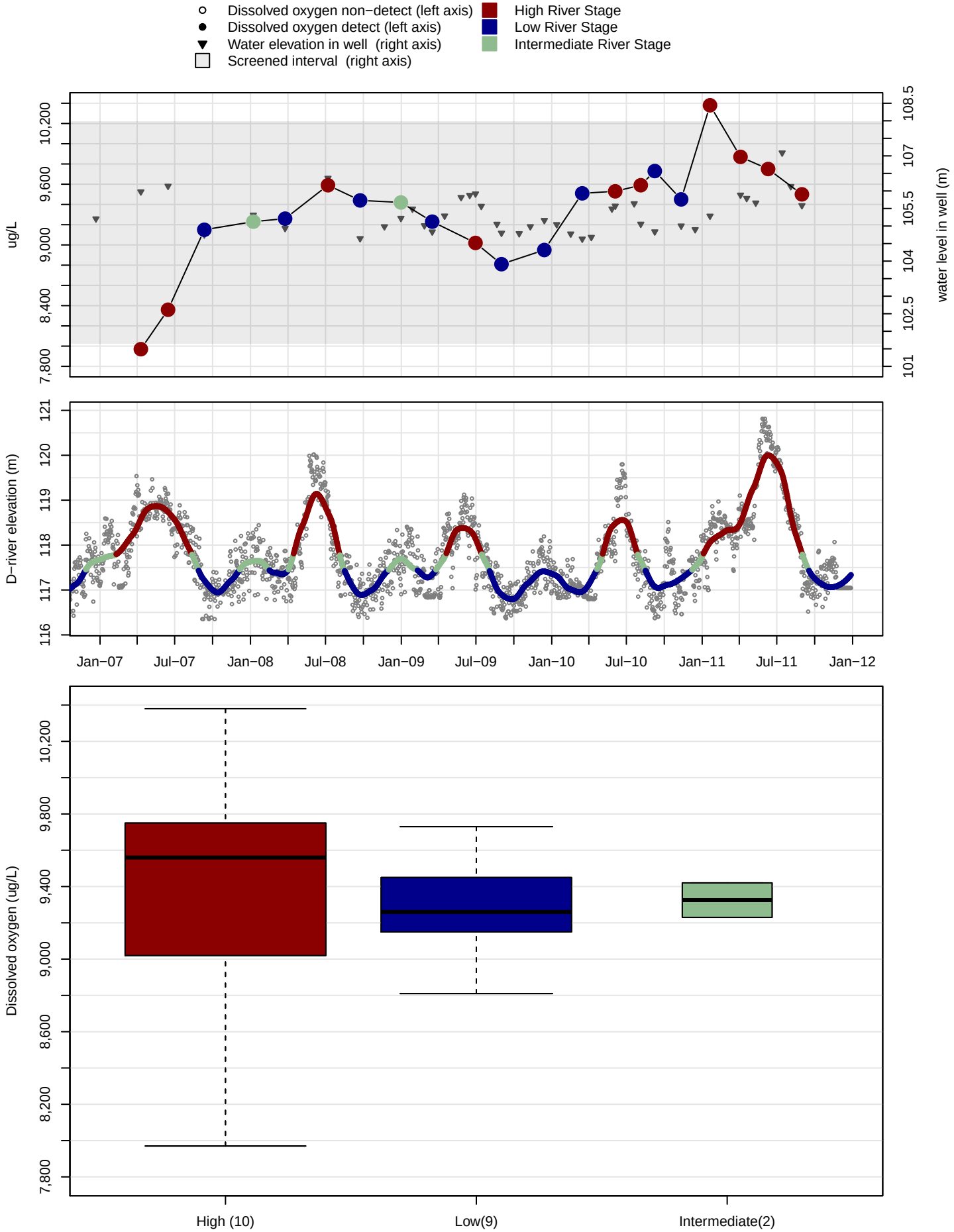
Mann Whitney p = NA t−test p = NA

399−1−2 (366m) Lag (10 Days)



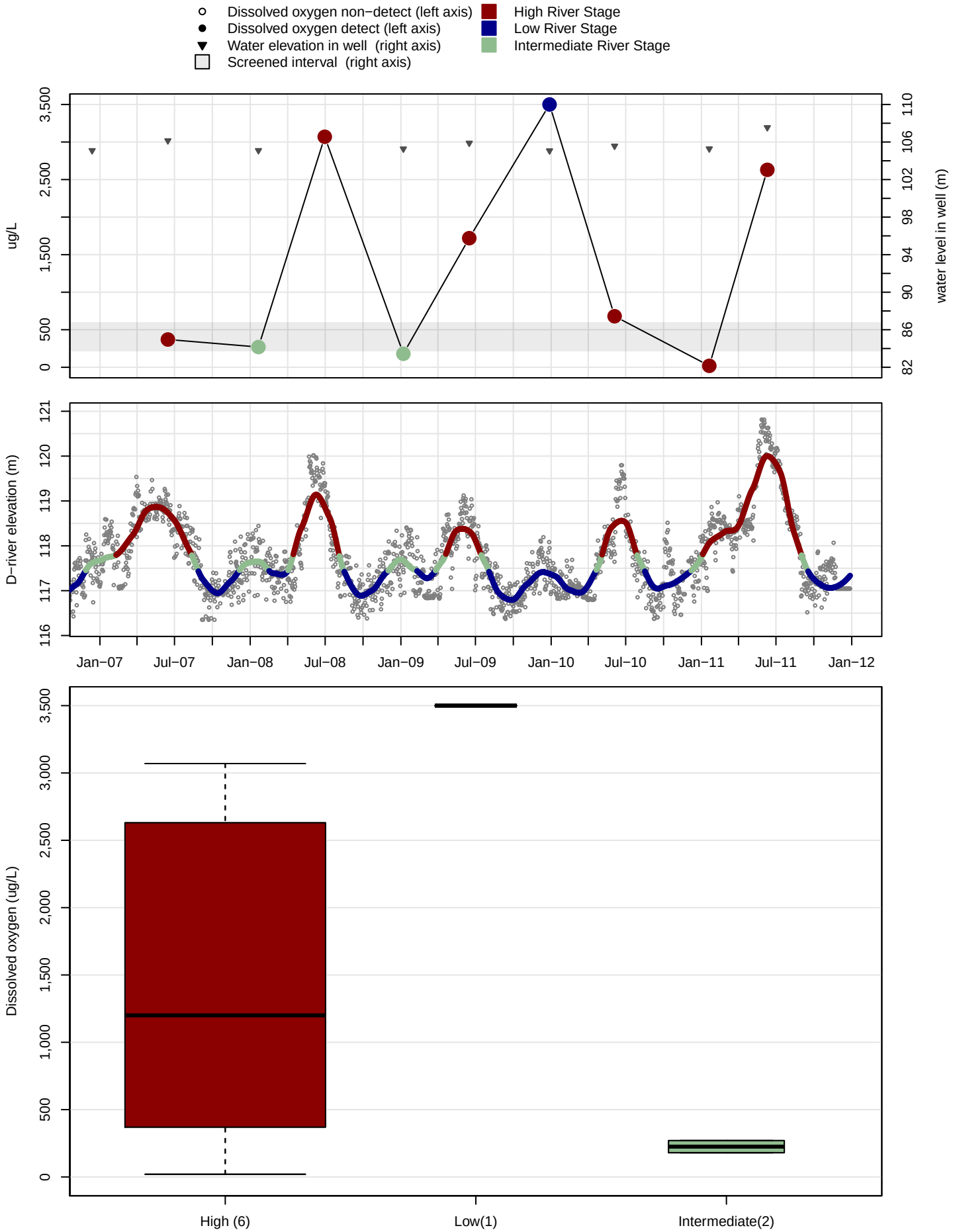
Mann Whitney p = 5.48e−01 t−test p = 3.33e−01

399−1−21A (323m) Lag (10 Days)



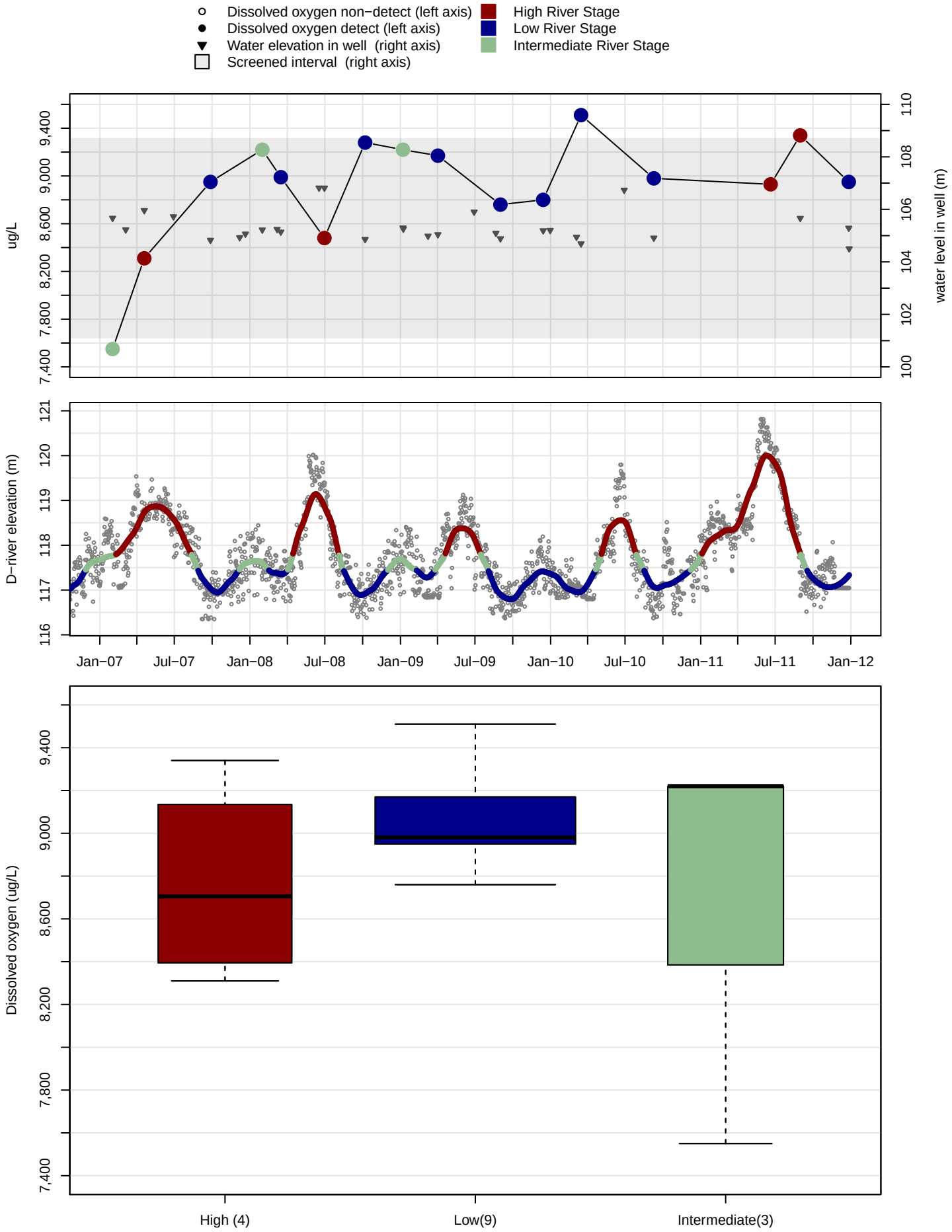
Mann Whitney p = 2.34e−01 t−test p = 7.67e−01

399−1−21B (328m) Lag (11 Days)



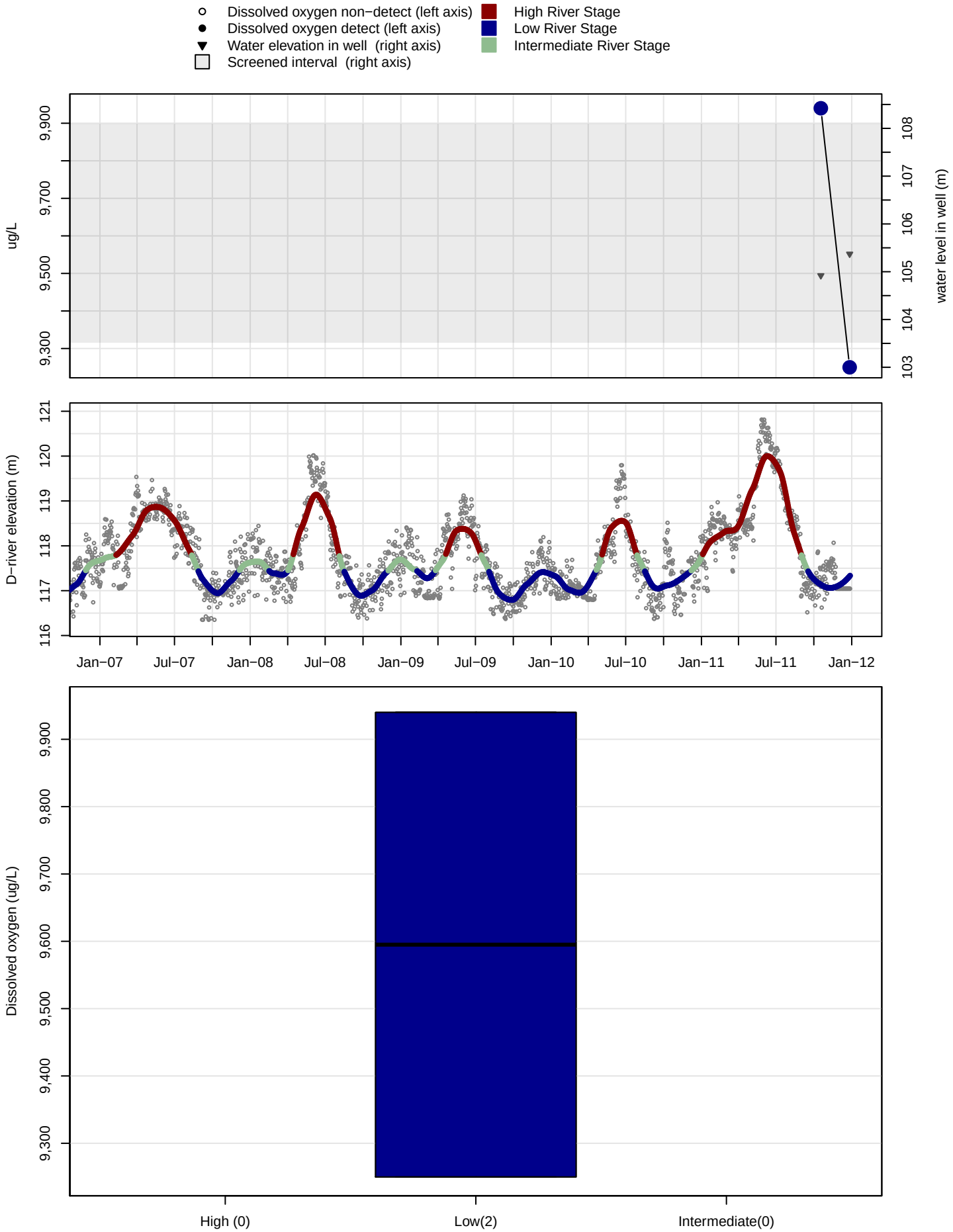
Mann Whitney p = NA t−test p = NA

399−1−23 (310m) Lag (10 Days)



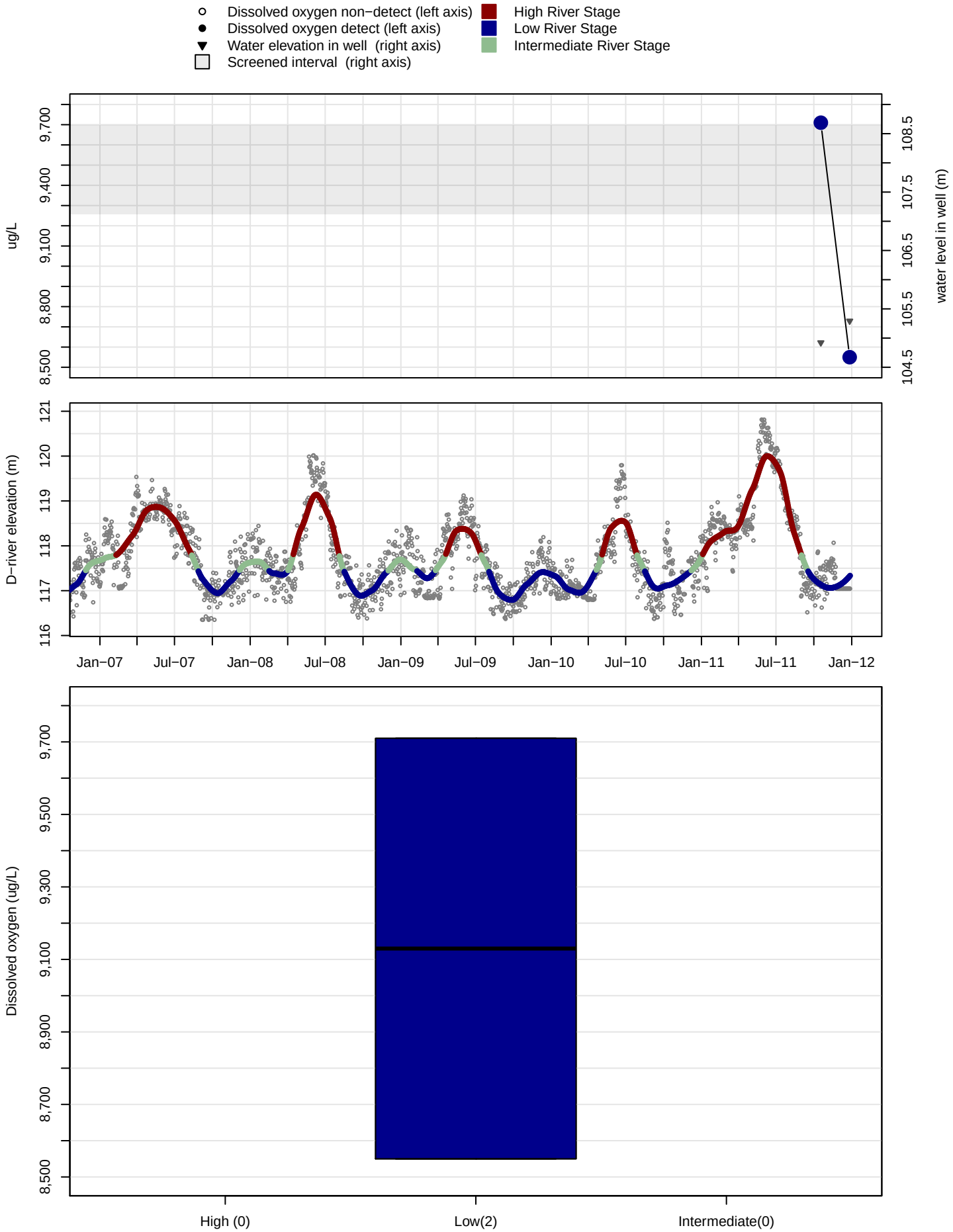
Mann Whitney p = 2.46e−01 t−test p = 3.24e−01

399−1−54 (116m) Lag (Indeterminate)



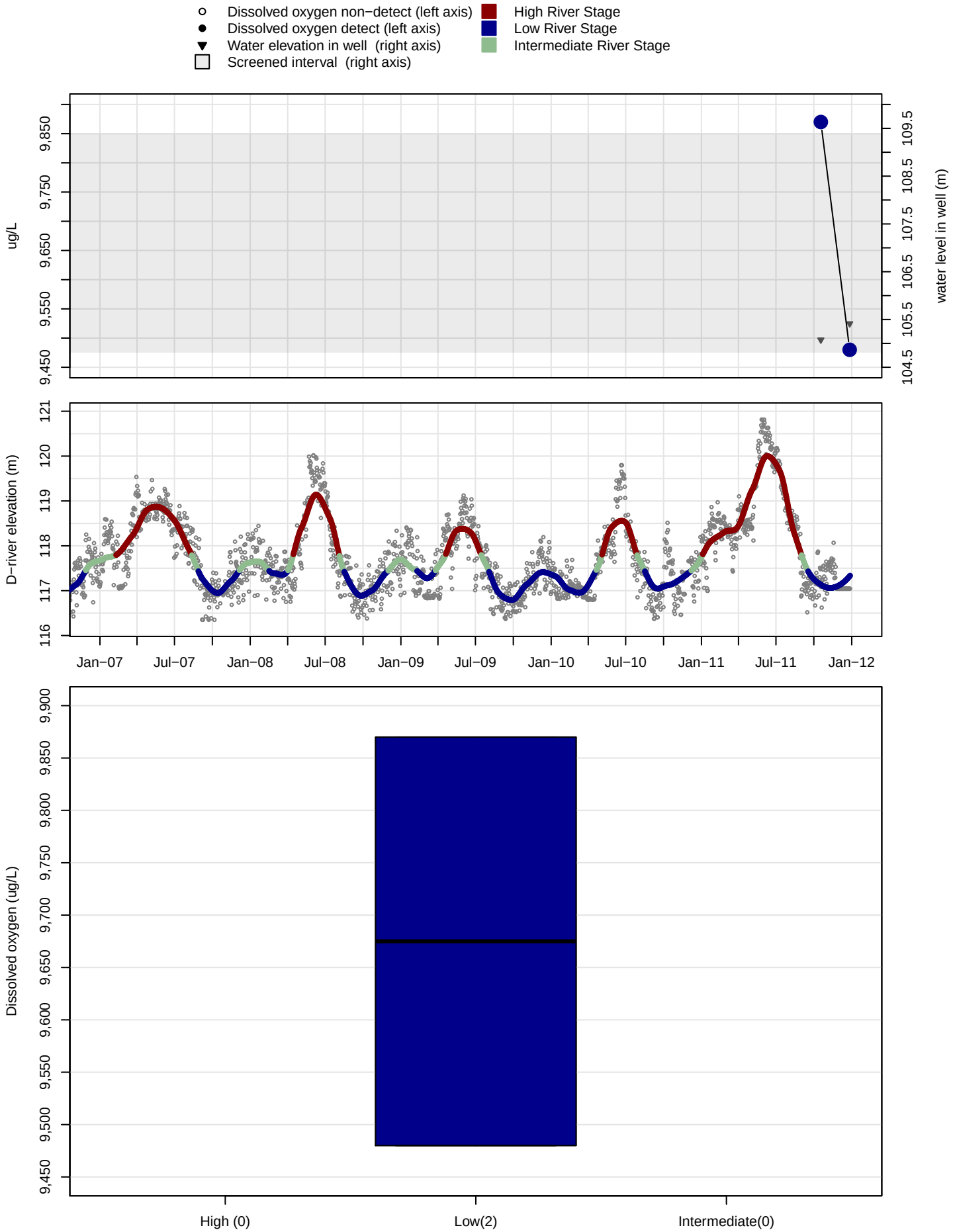
Mann Whitney p = NA t−test p = NA

399−1−55 (270m) Lag (Indeterminate)



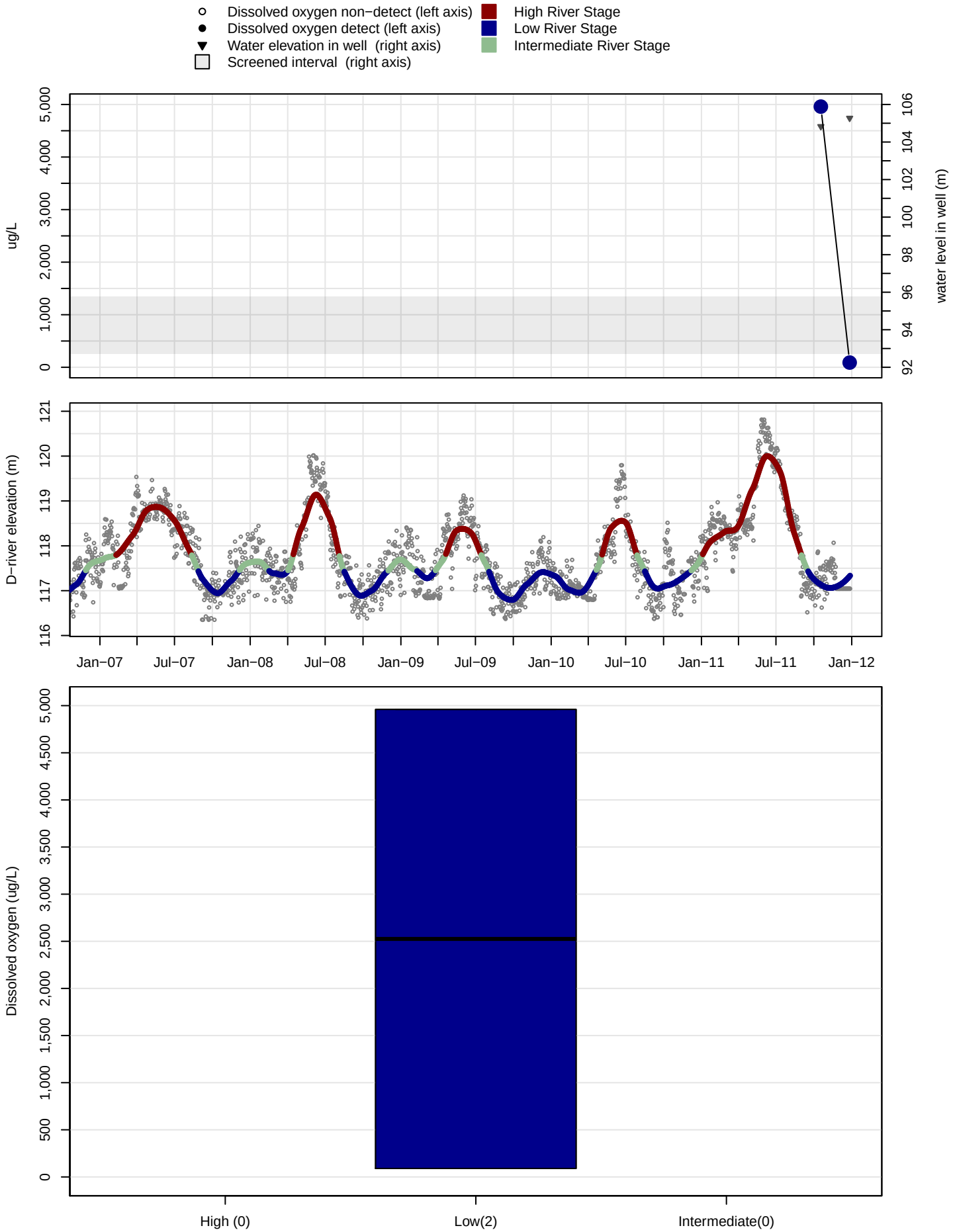
Mann Whitney p = NA t−test p = NA

399−1−56 (291m) Lag (Indeterminate)



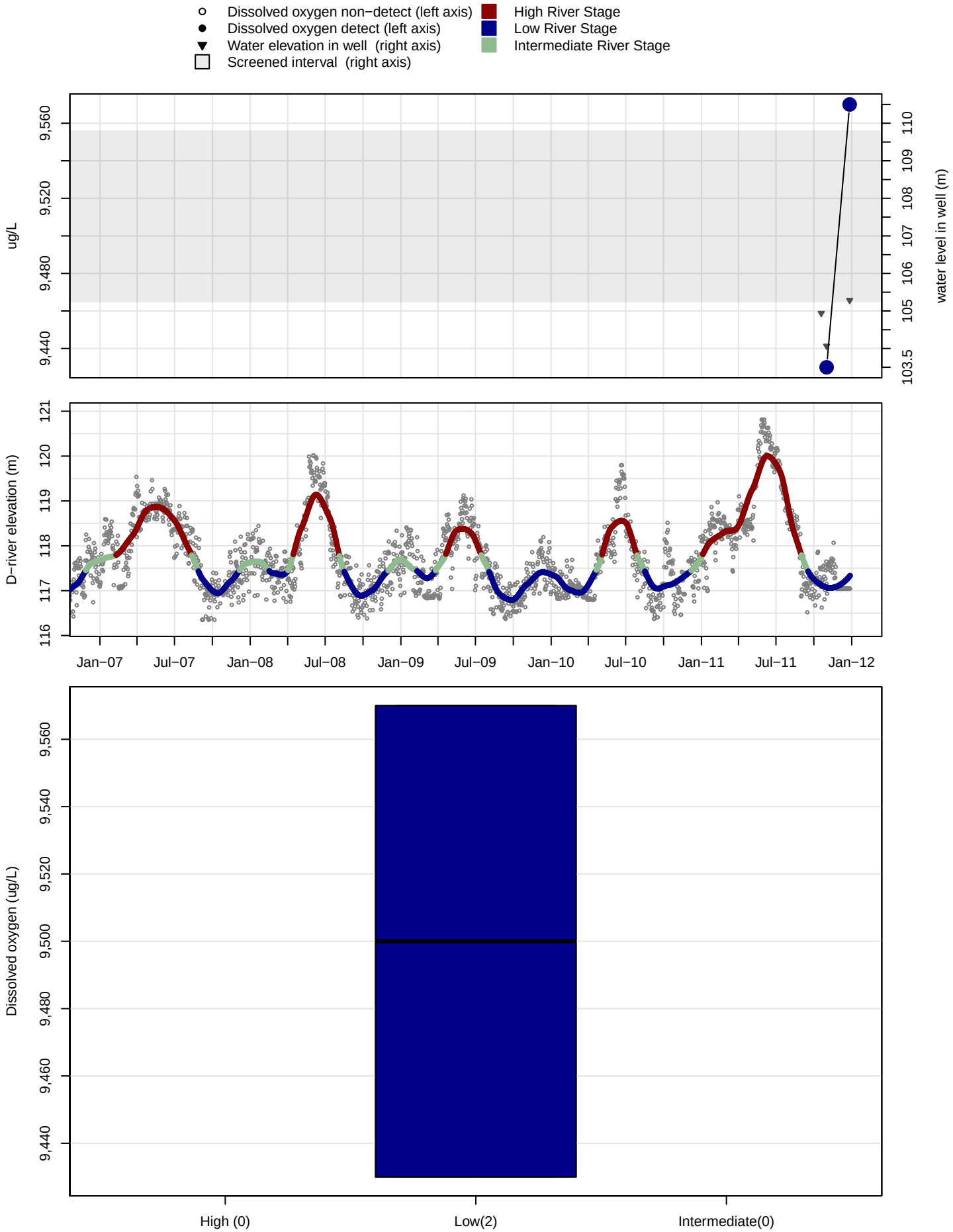
Mann Whitney p = NA t−test p = NA

399−1−57 (65m) Lag (Indeterminate)



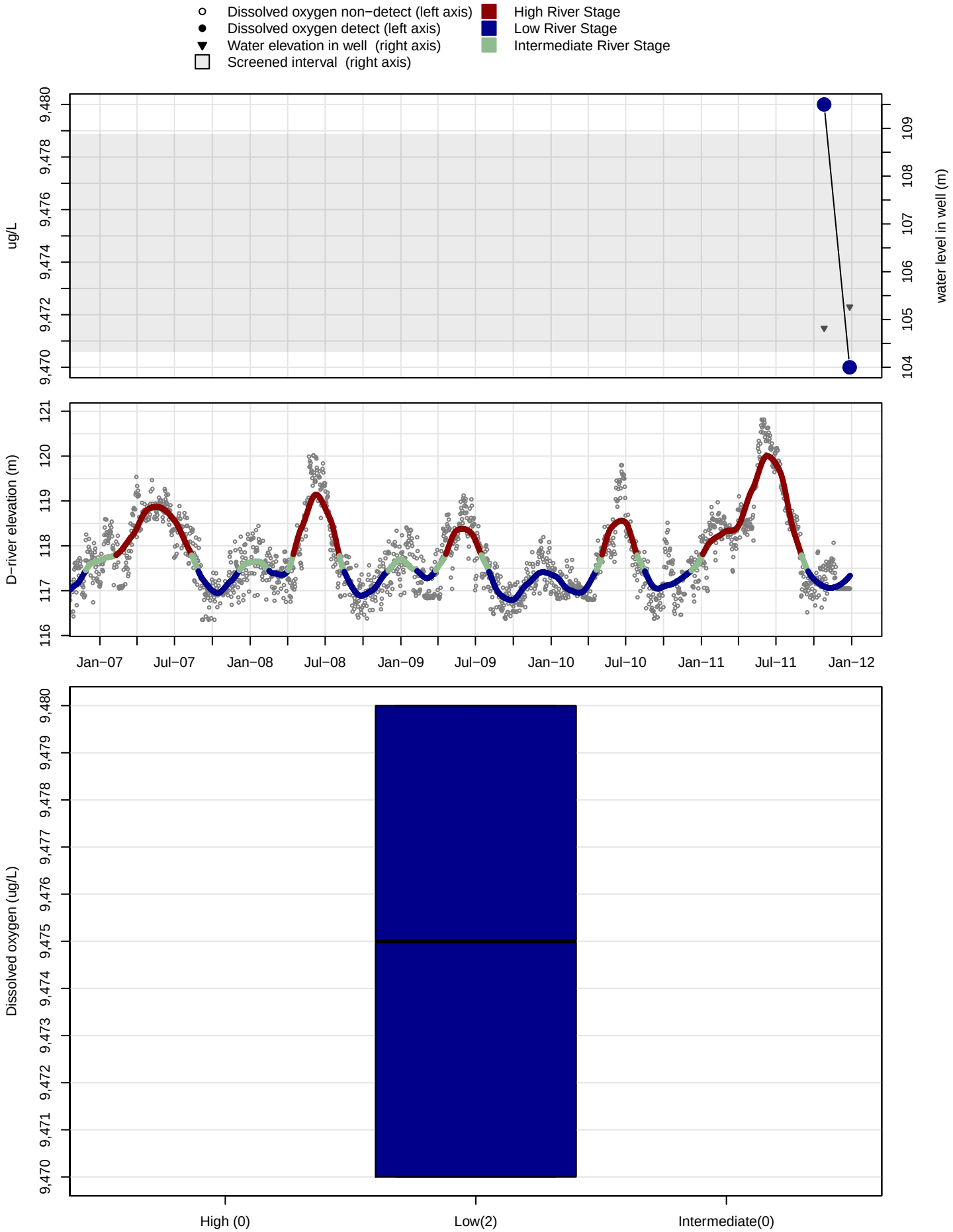
Mann Whitney p = NA t−test p = NA

399−1−58 (527m) Lag (Indeterminate)



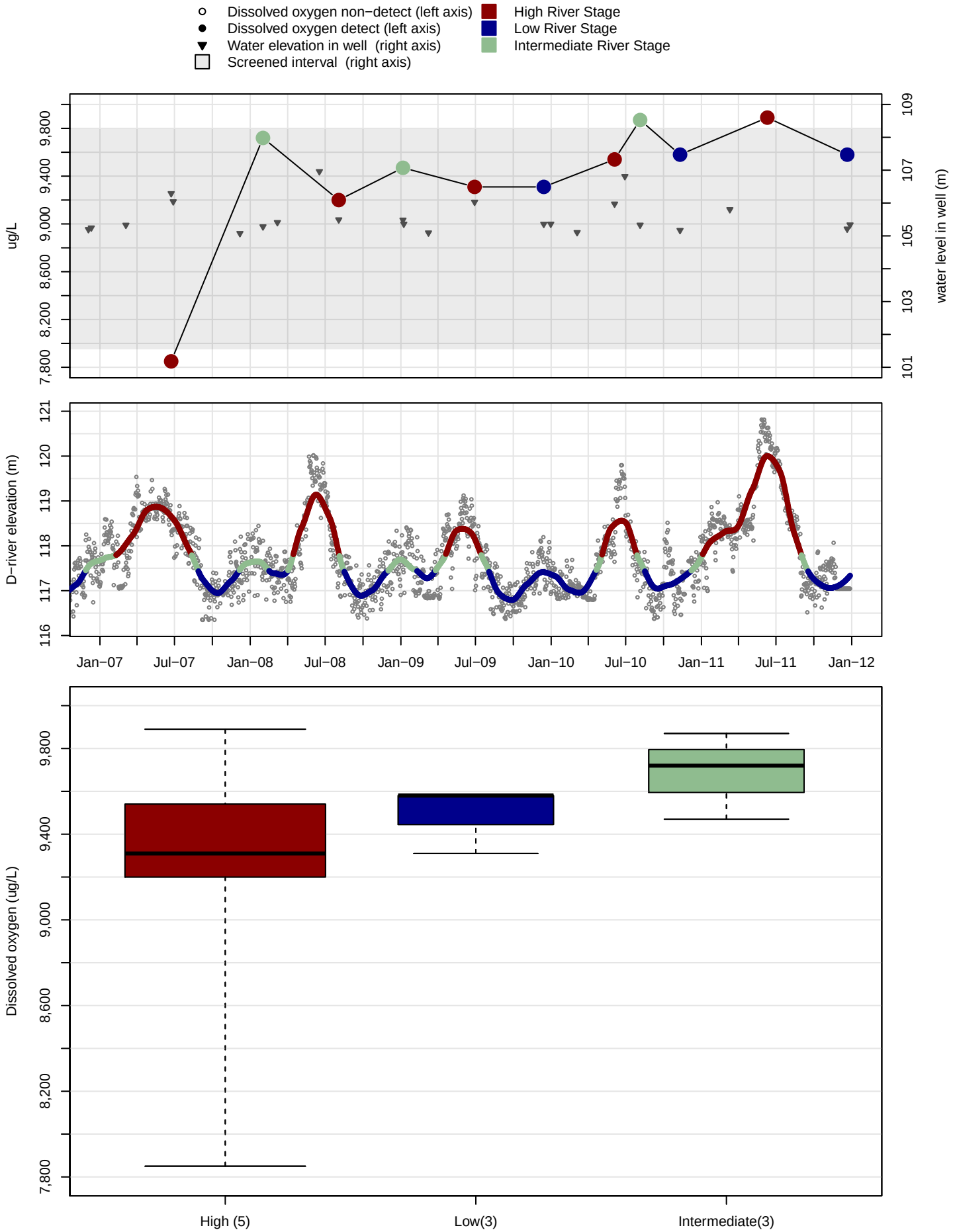
Mann Whitney p = NA t−test p = NA

399−1−59 (417m) Lag (Indeterminate)



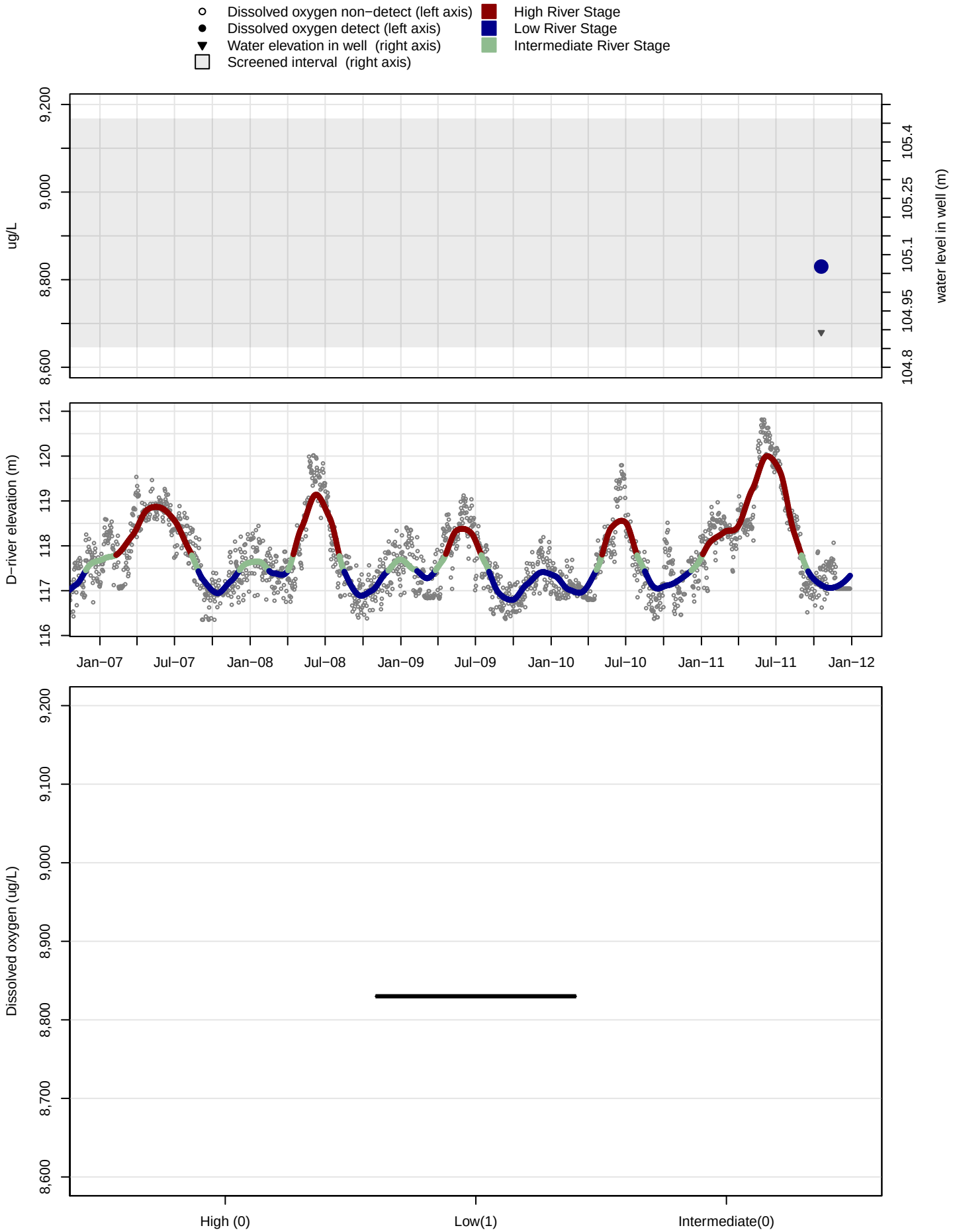
Mann Whitney p = NA t−test p = NA

399−1−6 (217m) Lag (4 Days)



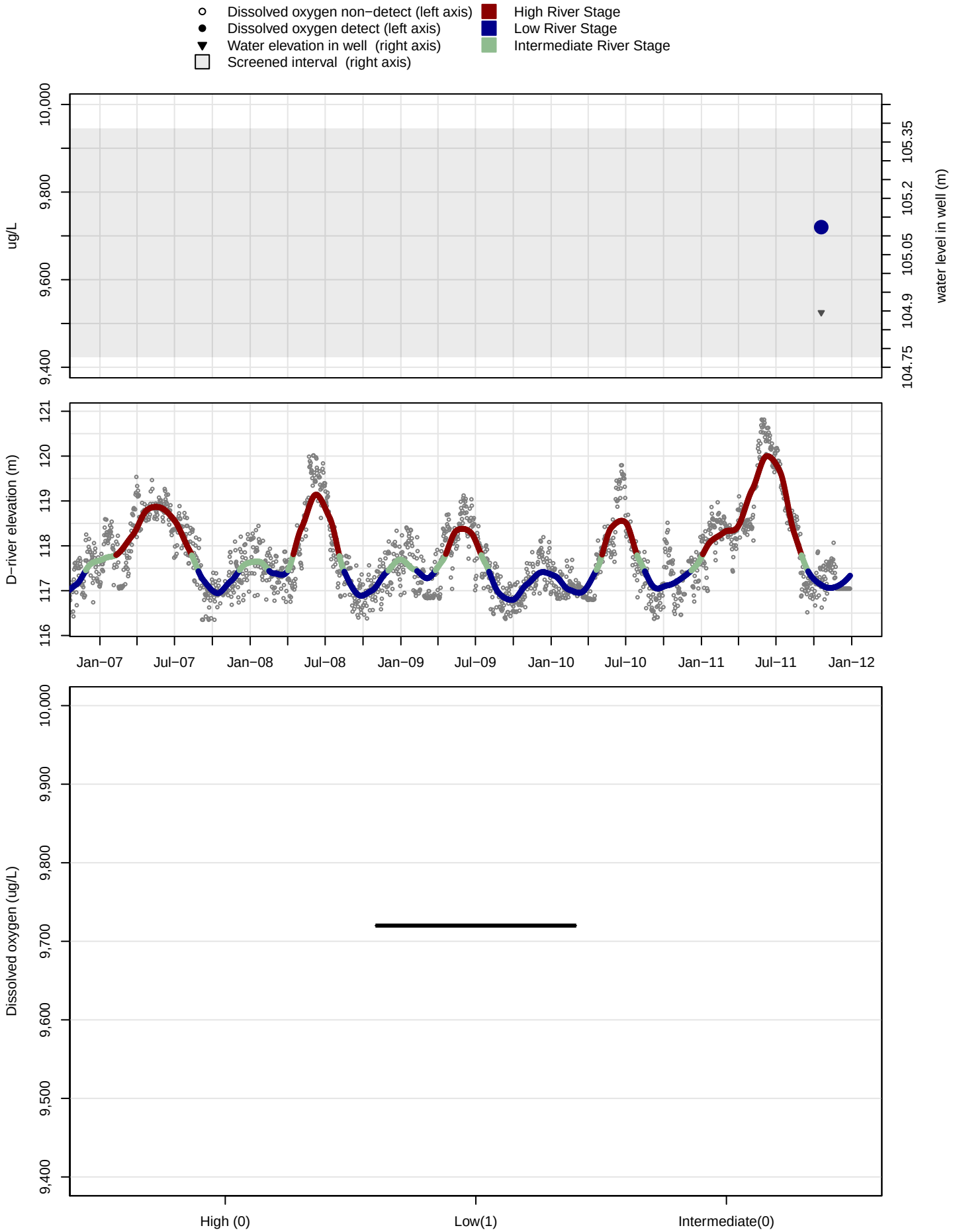
Mann Whitney p = 4.46e−01 t−test p = 4.02e−01

399−1−62 (177m) Lag (Indeterminate)



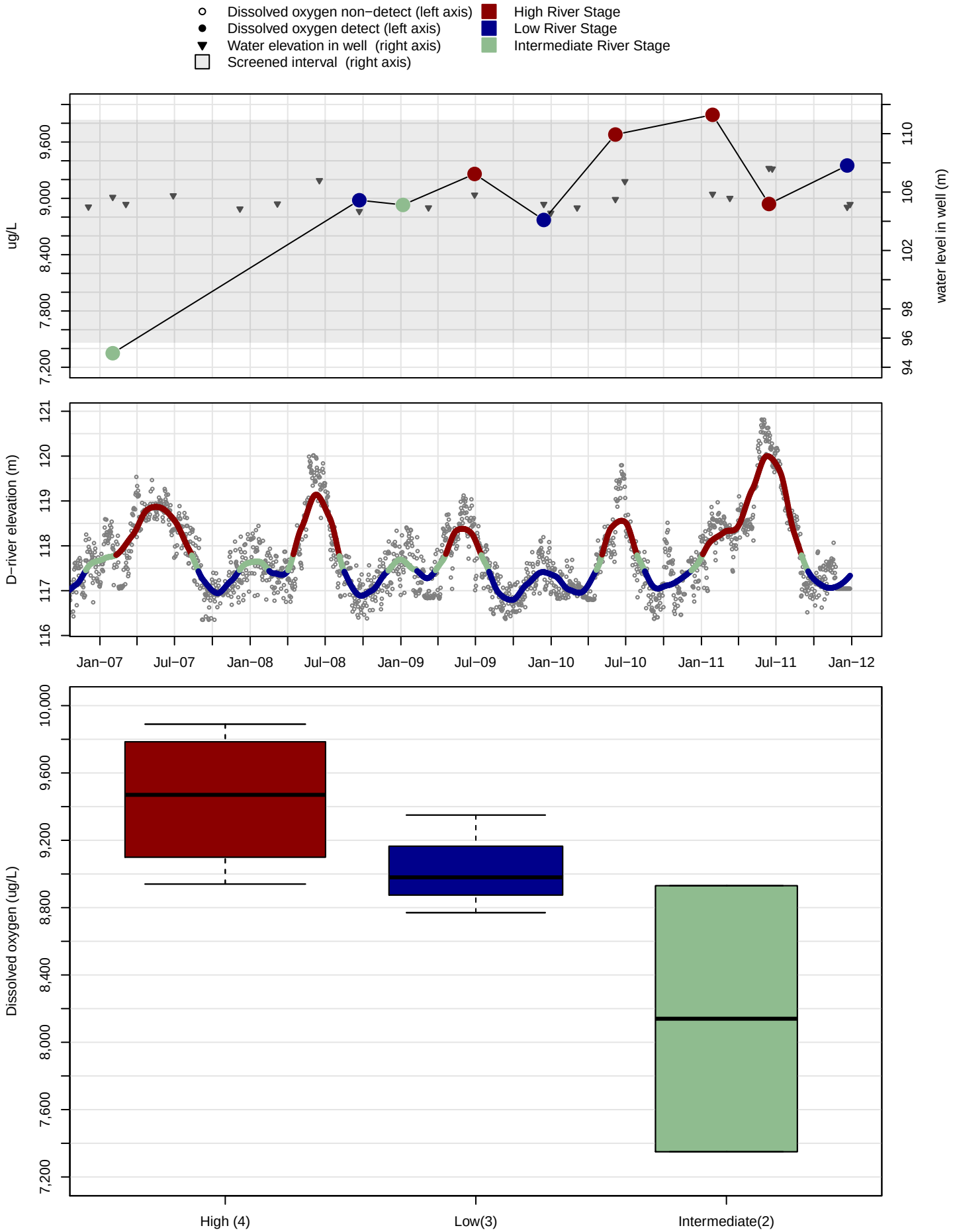
Mann Whitney p = NA t−test p = NA

399−1−64 (296m) Lag (Indeterminate)



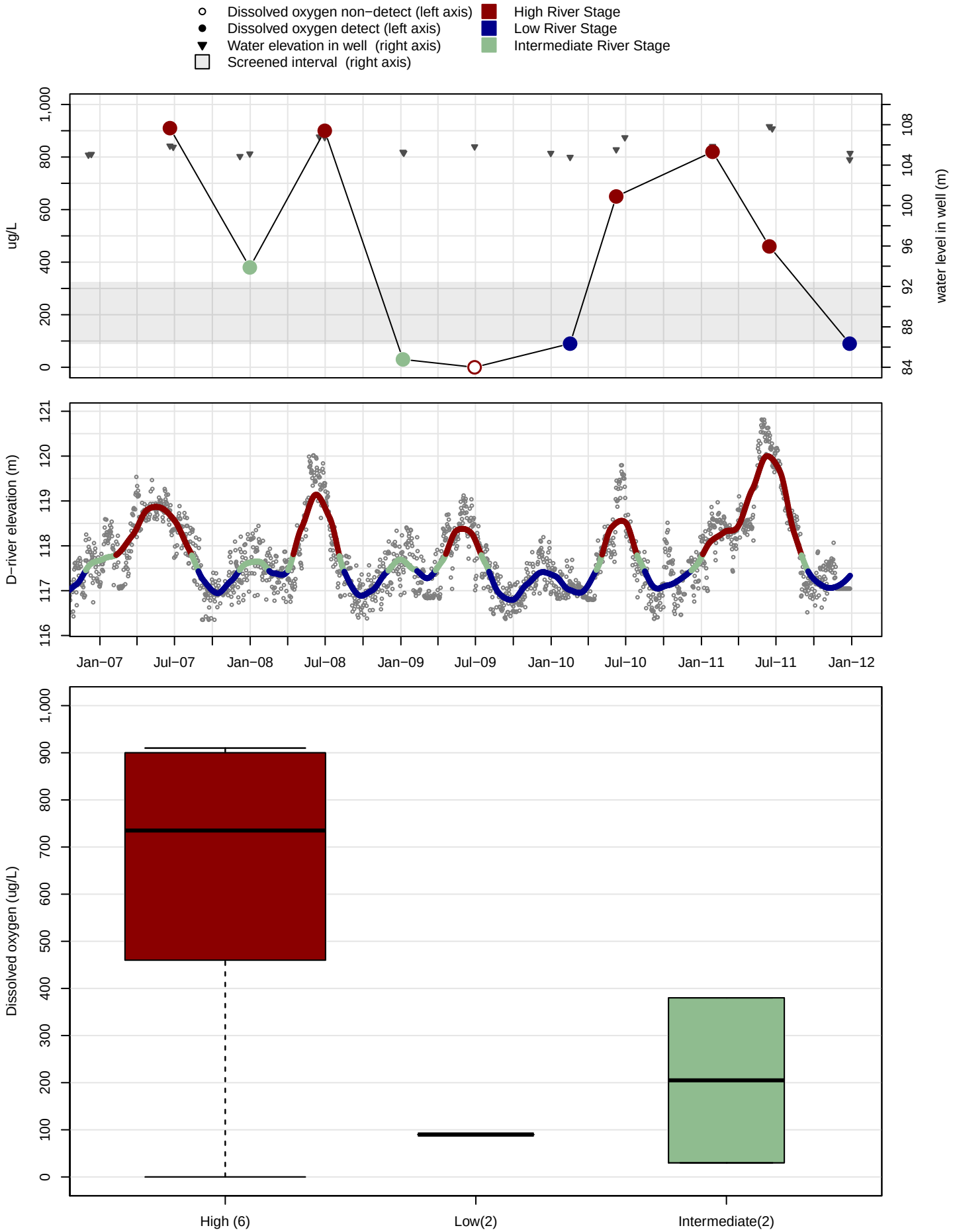
Mann Whitney p = NA t−test p = NA

399−1−7 (188m) Lag (13 Days)



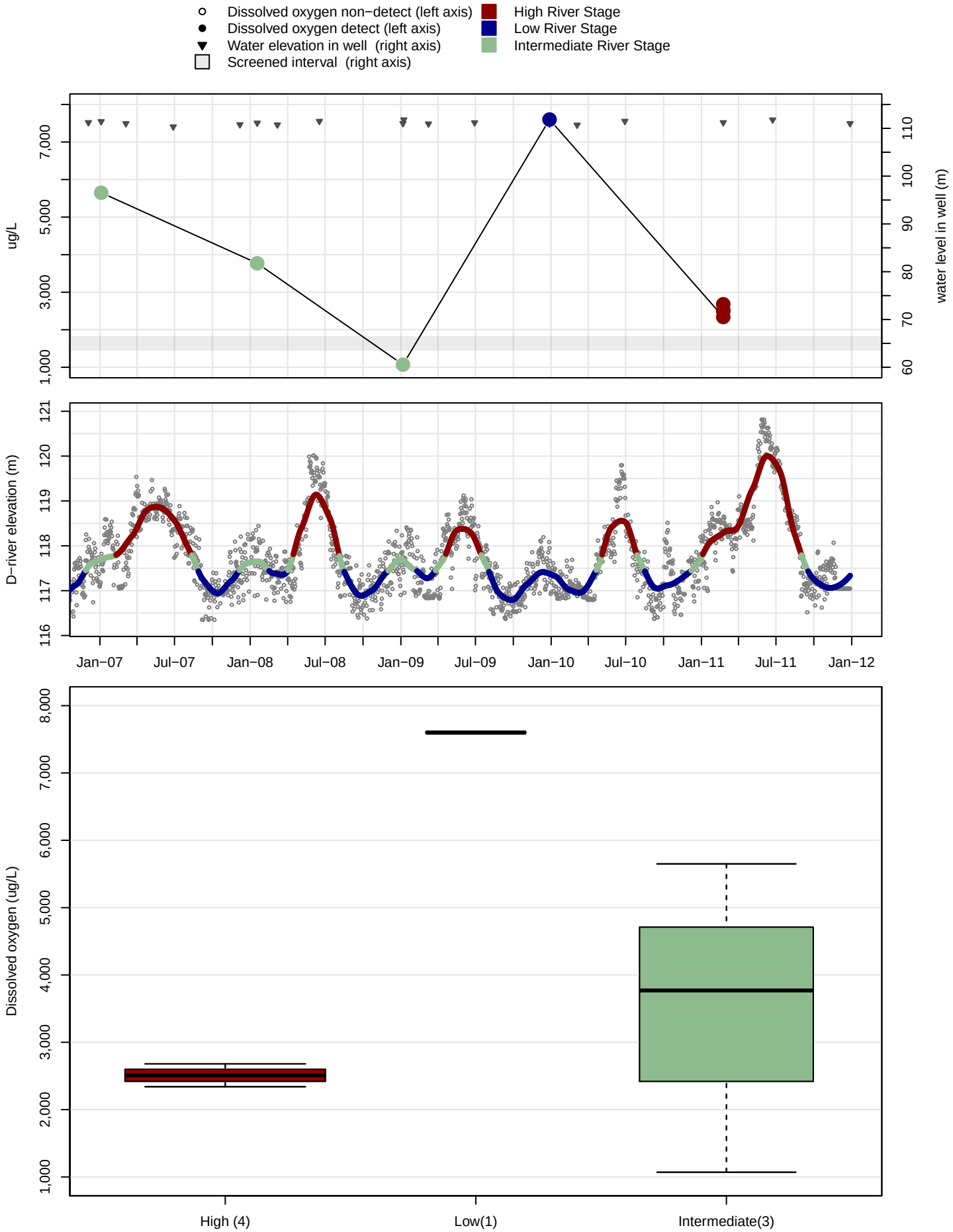
Mann Whitney p = 4e−01 t−test p = 1.93e−01

399−1−8 (191m) Lag (6 Days)



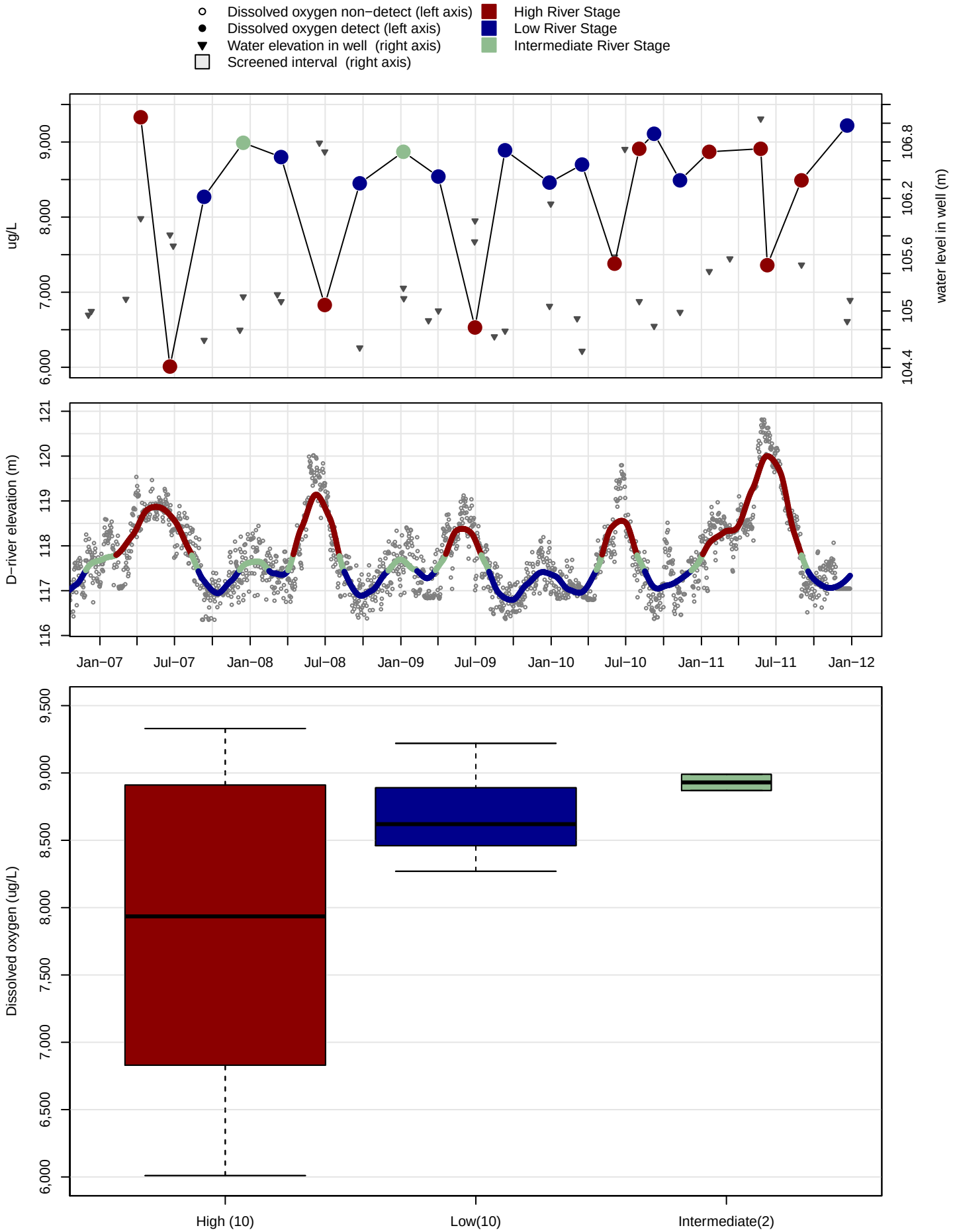
Mann Whitney p = NA t−test p = NA

399−1−9 (195m) Lag (6 Days)



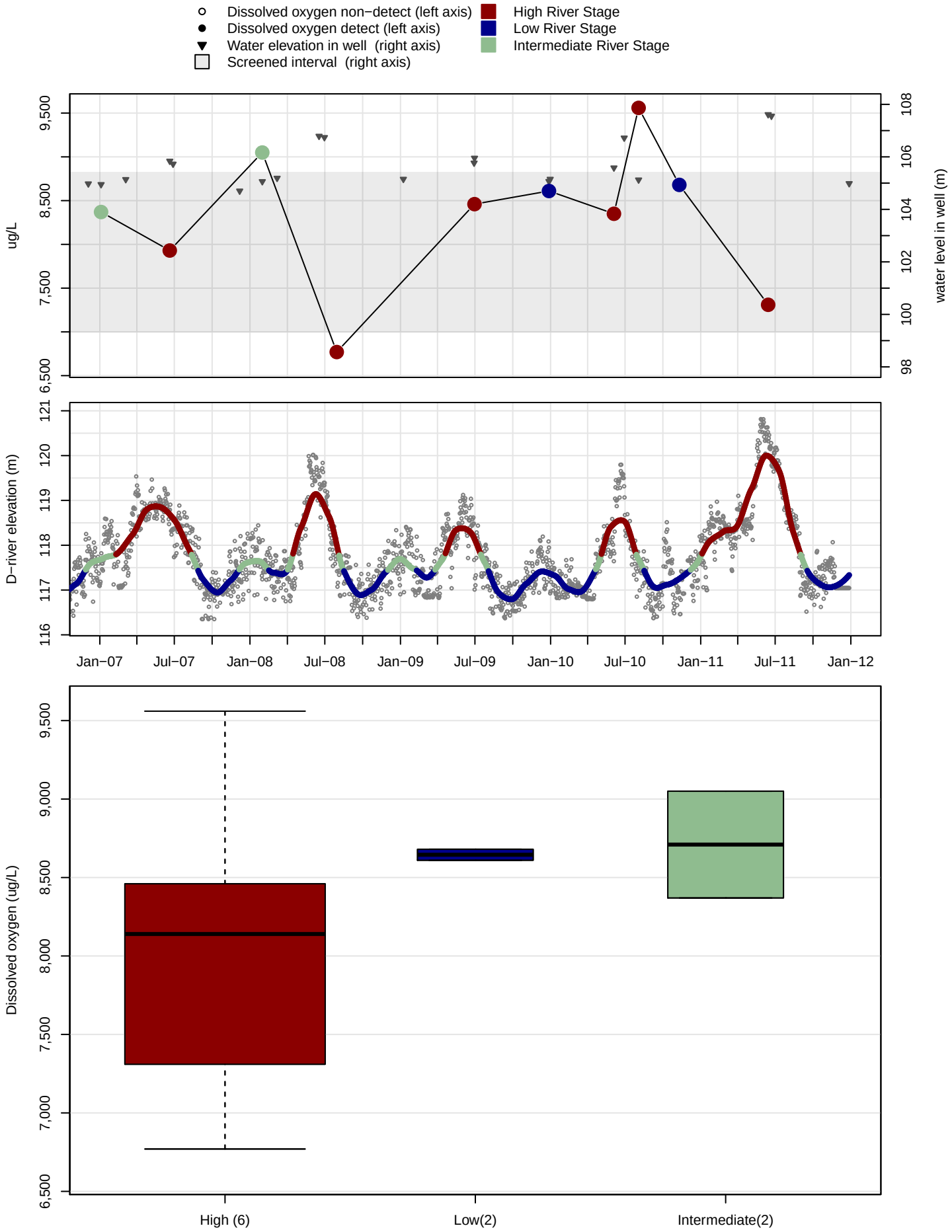
Mann Whitney p = NA t−test p = NA

399−2−1 (47m) Lag (6 Days)



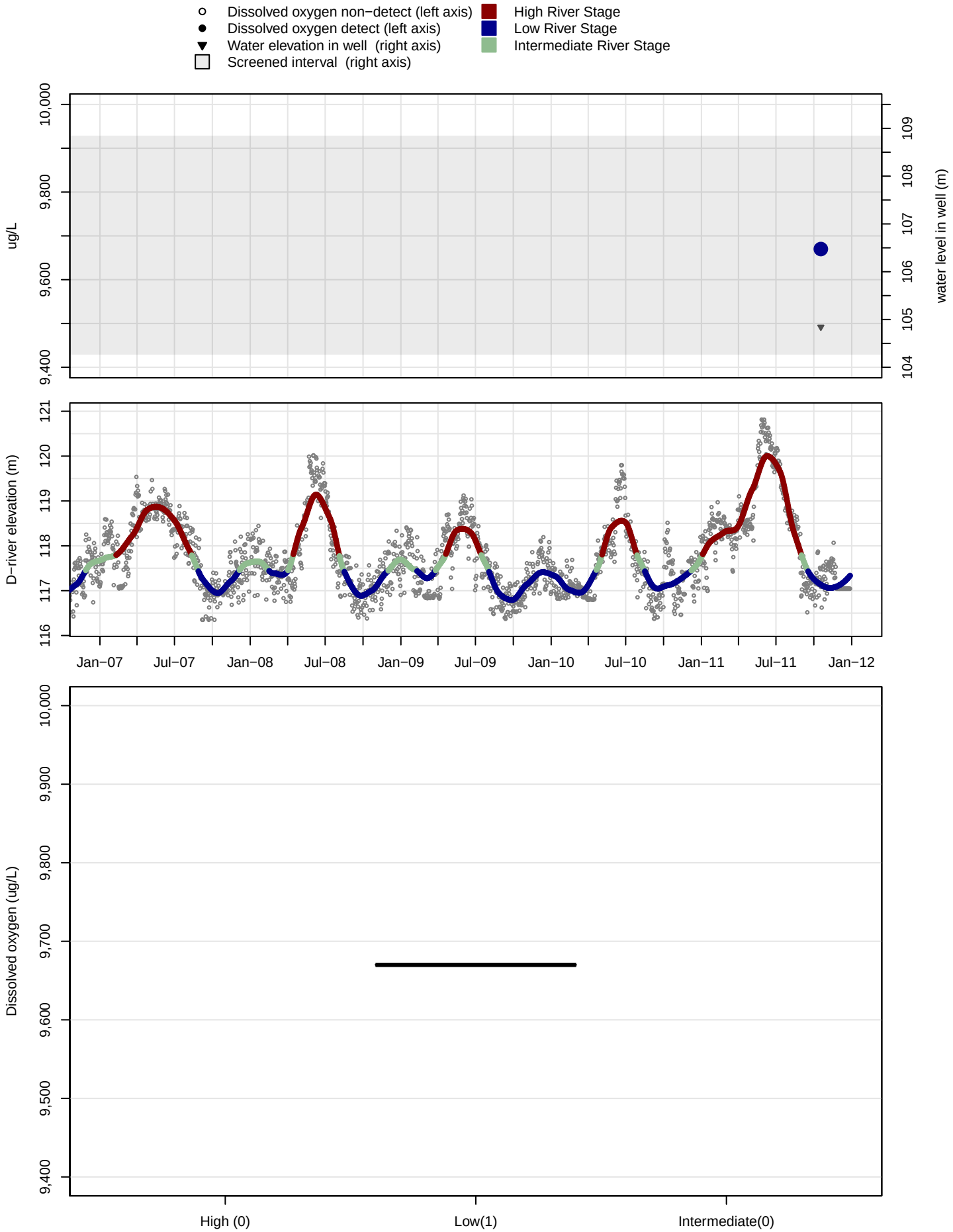
Mann Whitney p = 3.24e−01 t−test p = 5.59e−02

399−2−2 (78m) Lag (8 Days)



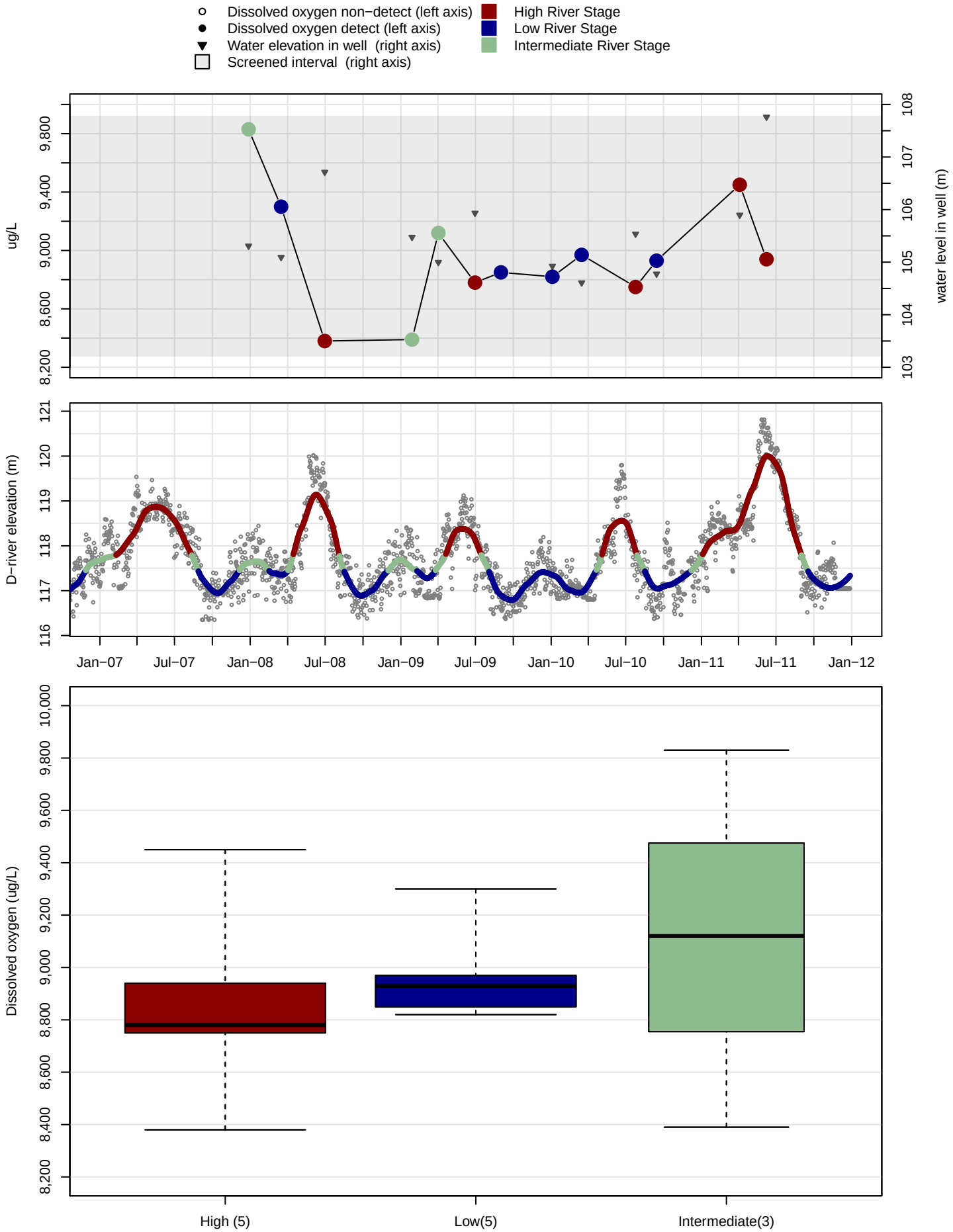
Mann Whitney p = NA t−test p = NA

399−2−32 (201m) Lag (Indeterminate)



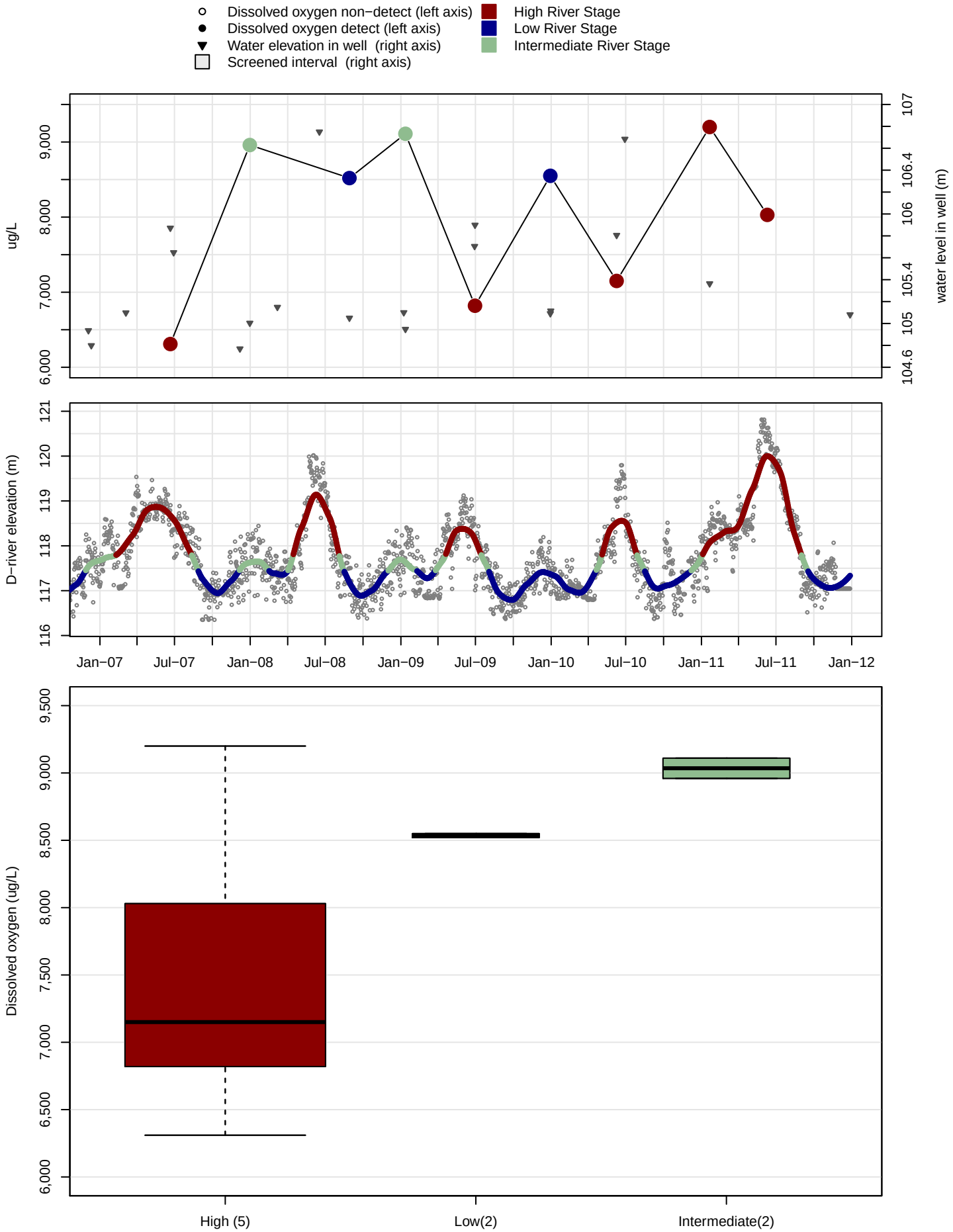
Mann Whitney p = NA t−test p = NA

399−2−5 (234m) Lag (4 Days)



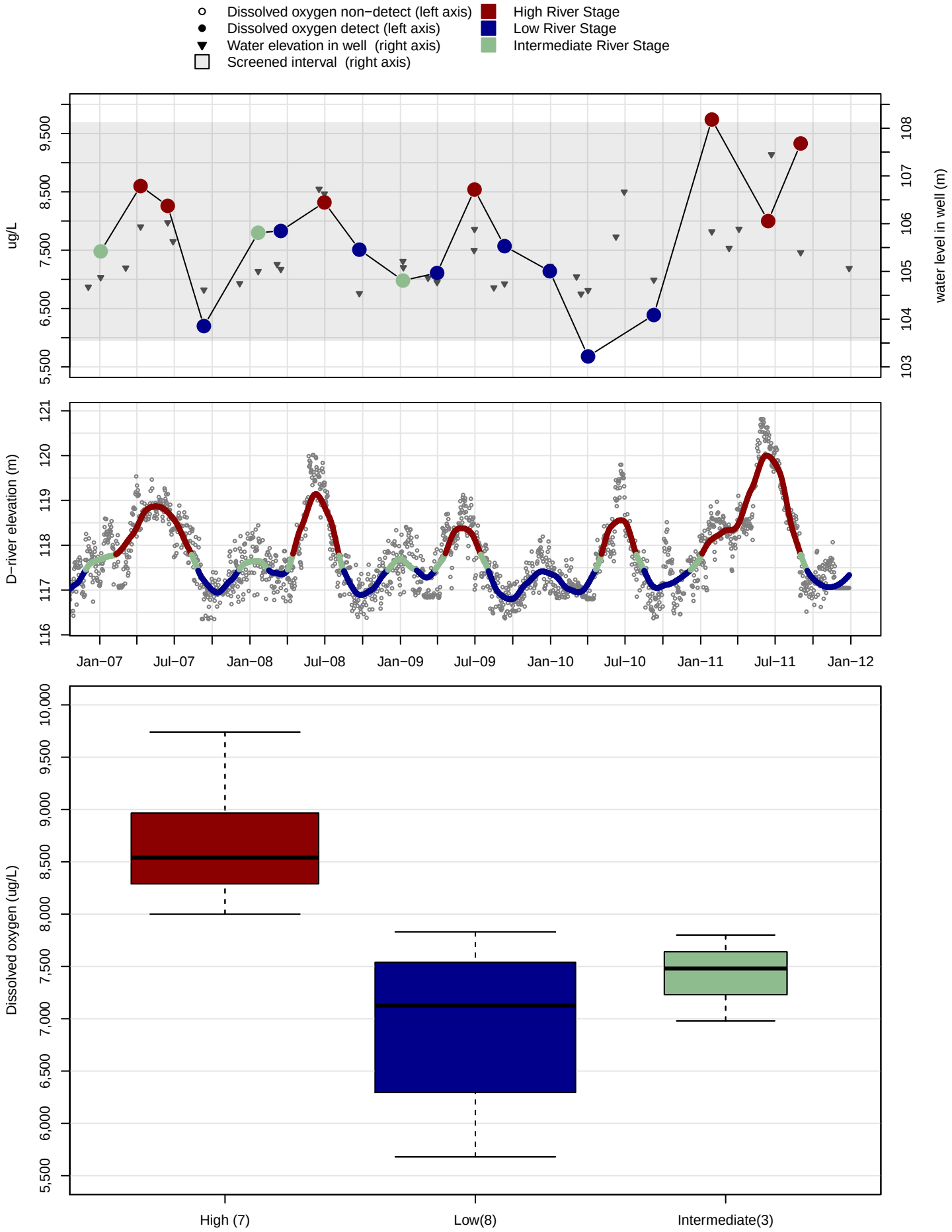
Mann Whitney p = 4.21e−01 t−test p = 5.78e−01

399−3−1 (52m) Lag (11 Days)



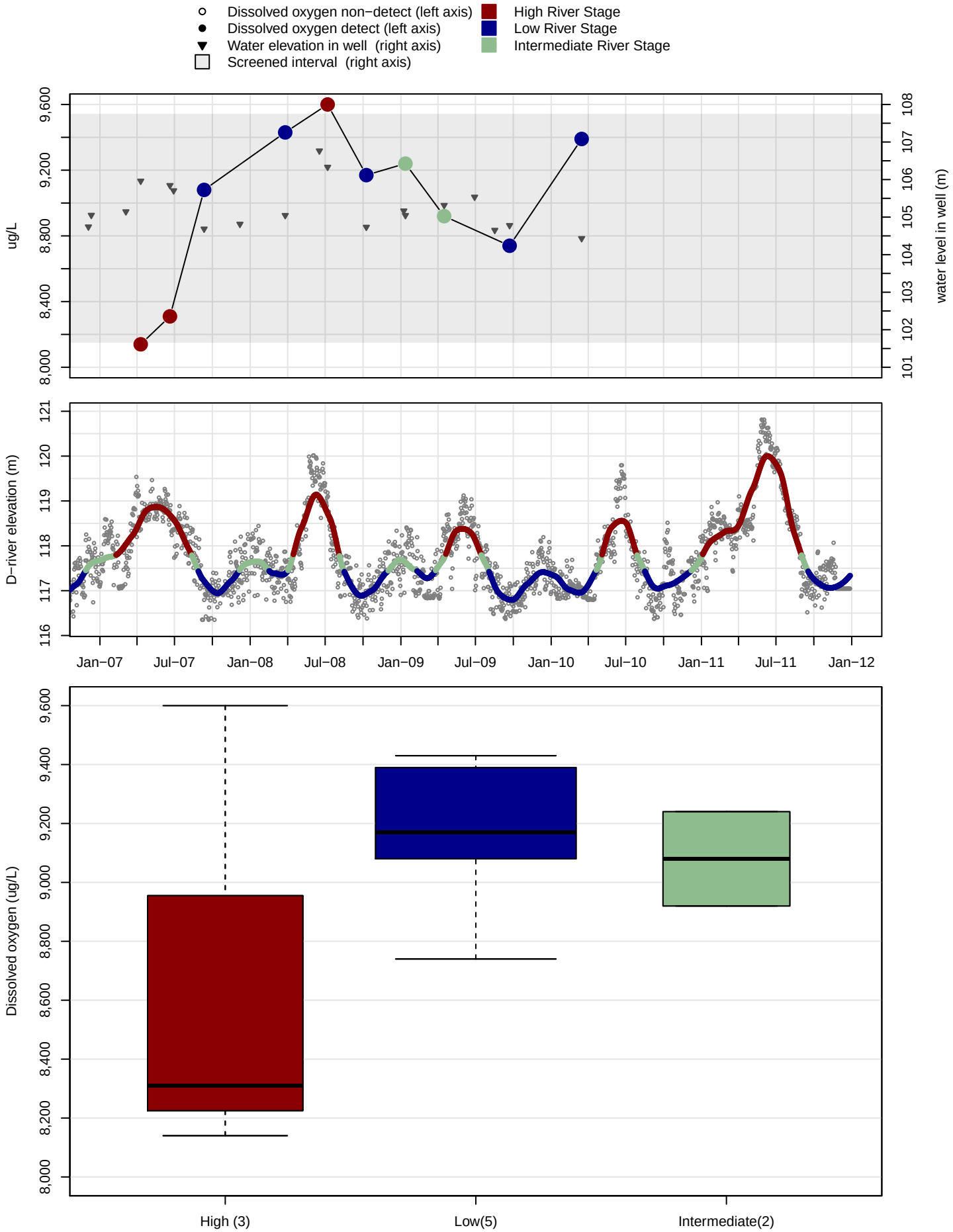
Mann Whitney p = NA t−test p = NA

399−3−10 (51m) Lag (7 Days)



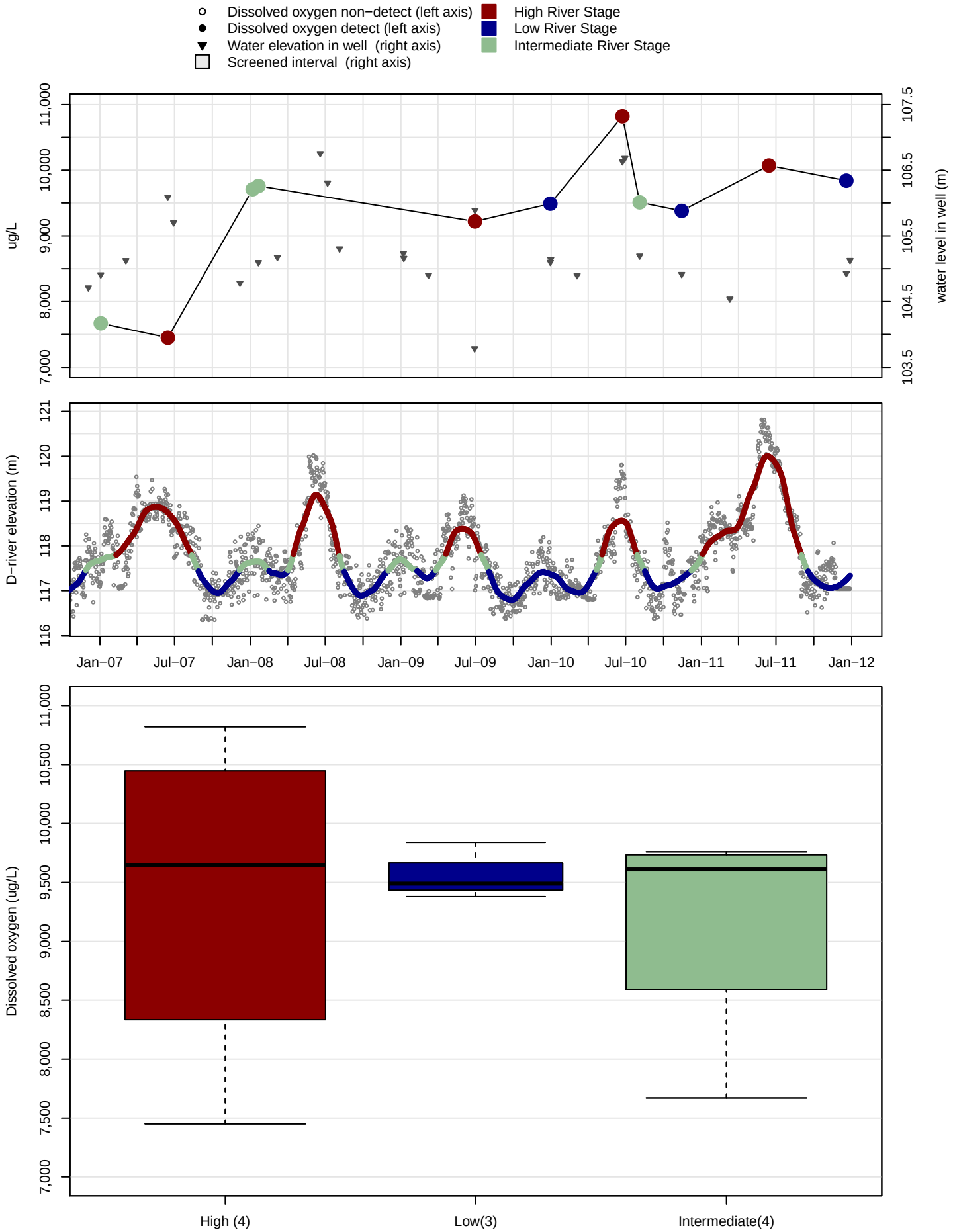
Mann Whitney p = 3.11e−04 t−test p = 2.84e−04

399−3−11 (271m) Lag (1 Days)



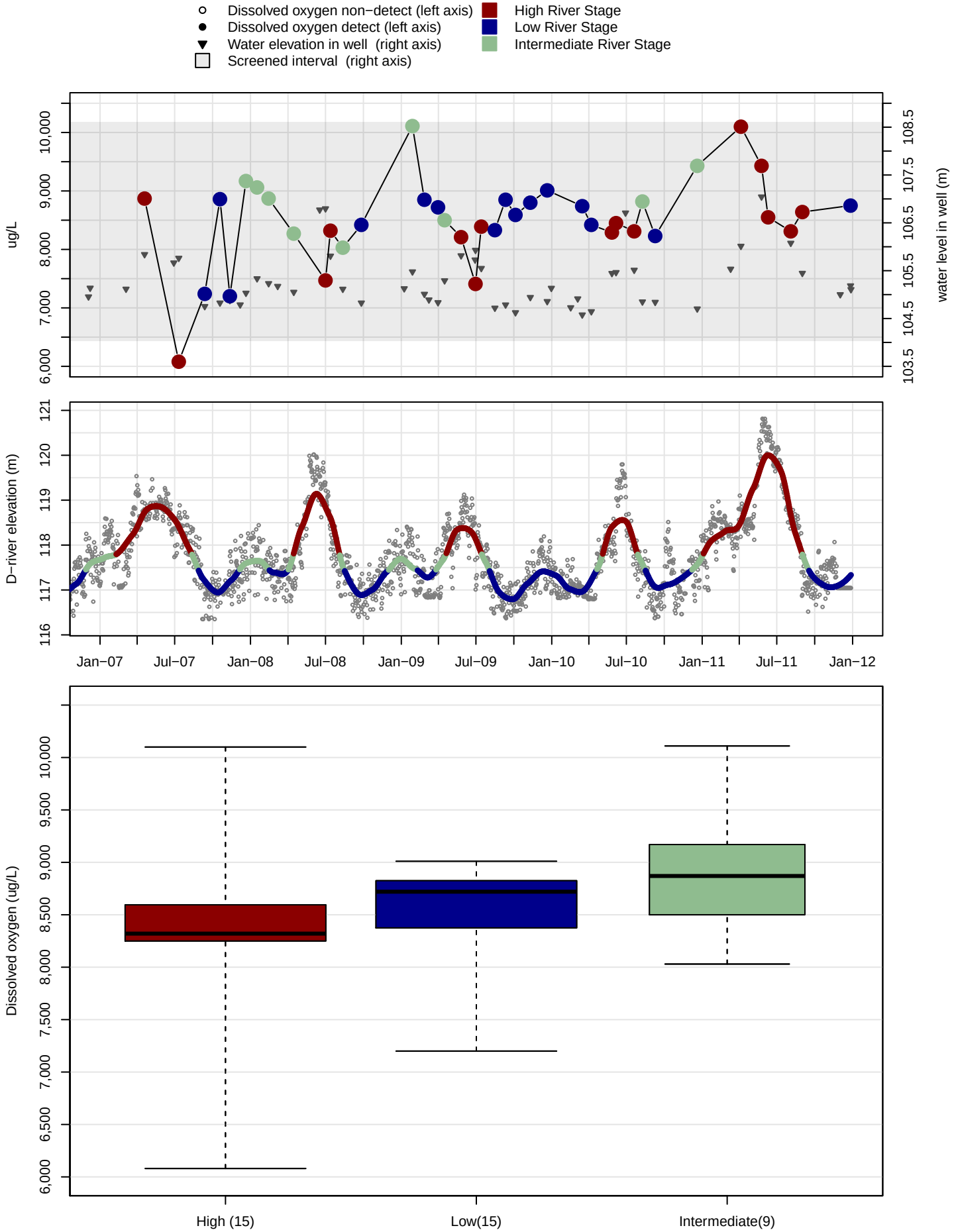
Mann Whitney p = 5.71e−01 t−test p = 4.1e−01

399−3−12 (326m) Lag (0 Days)



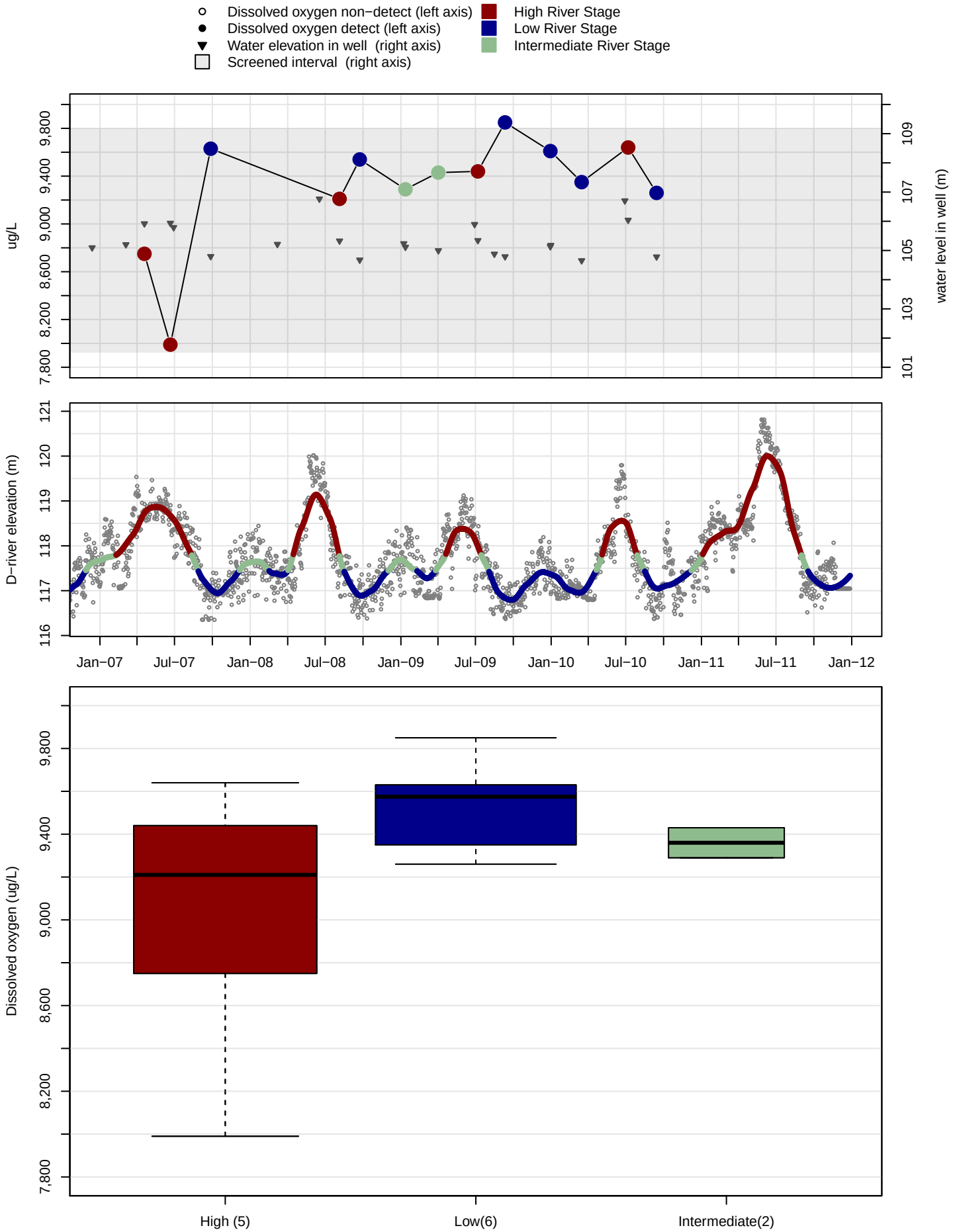
Mann Whitney p = 1e+00 t−test p = 8.22e−01

399−3−18 (65m) Lag (5 Days)



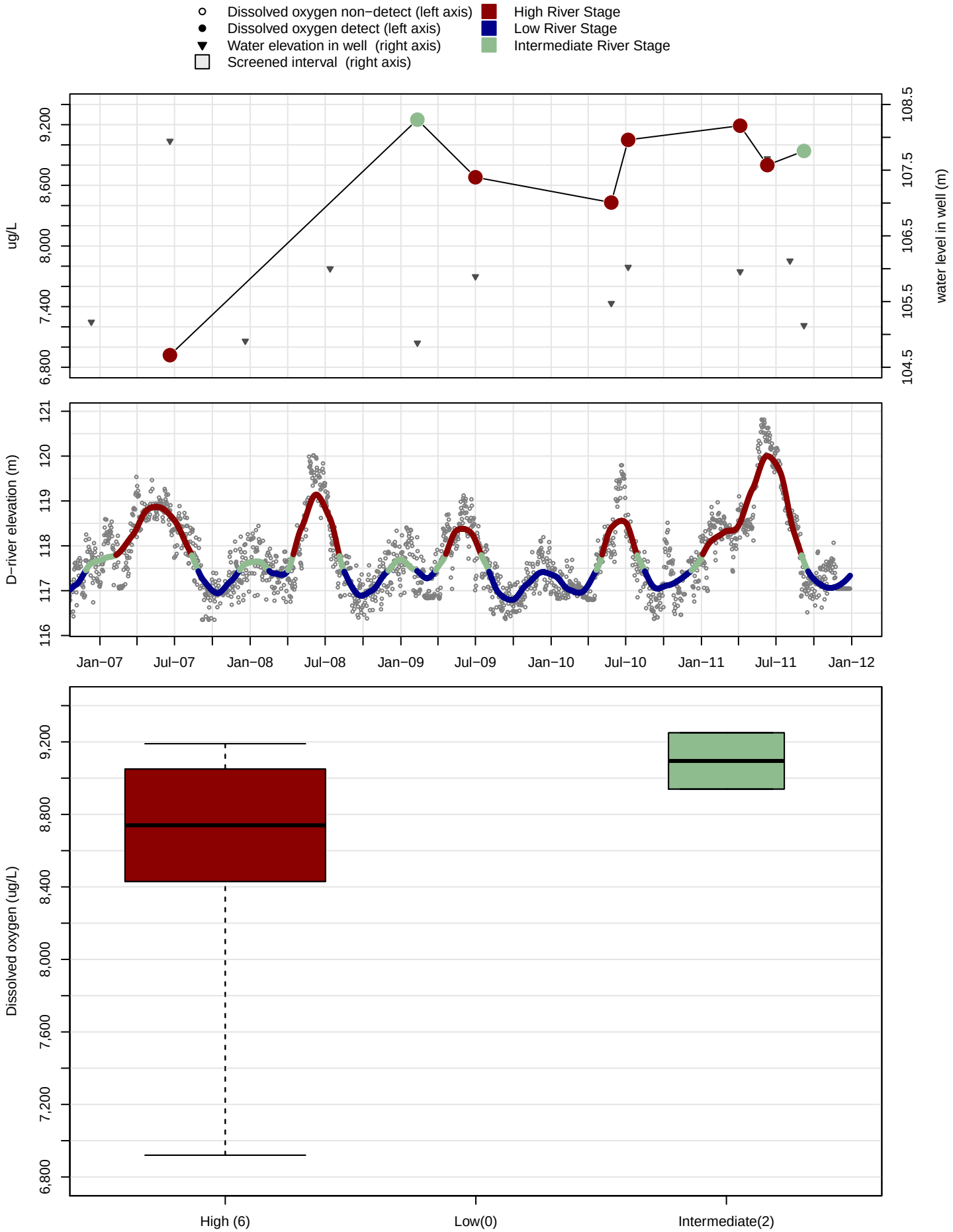
Mann Whitney p = 2.62e−01 t−test p = 6.01e−01

399−3−19 (452m) Lag (2 Days)



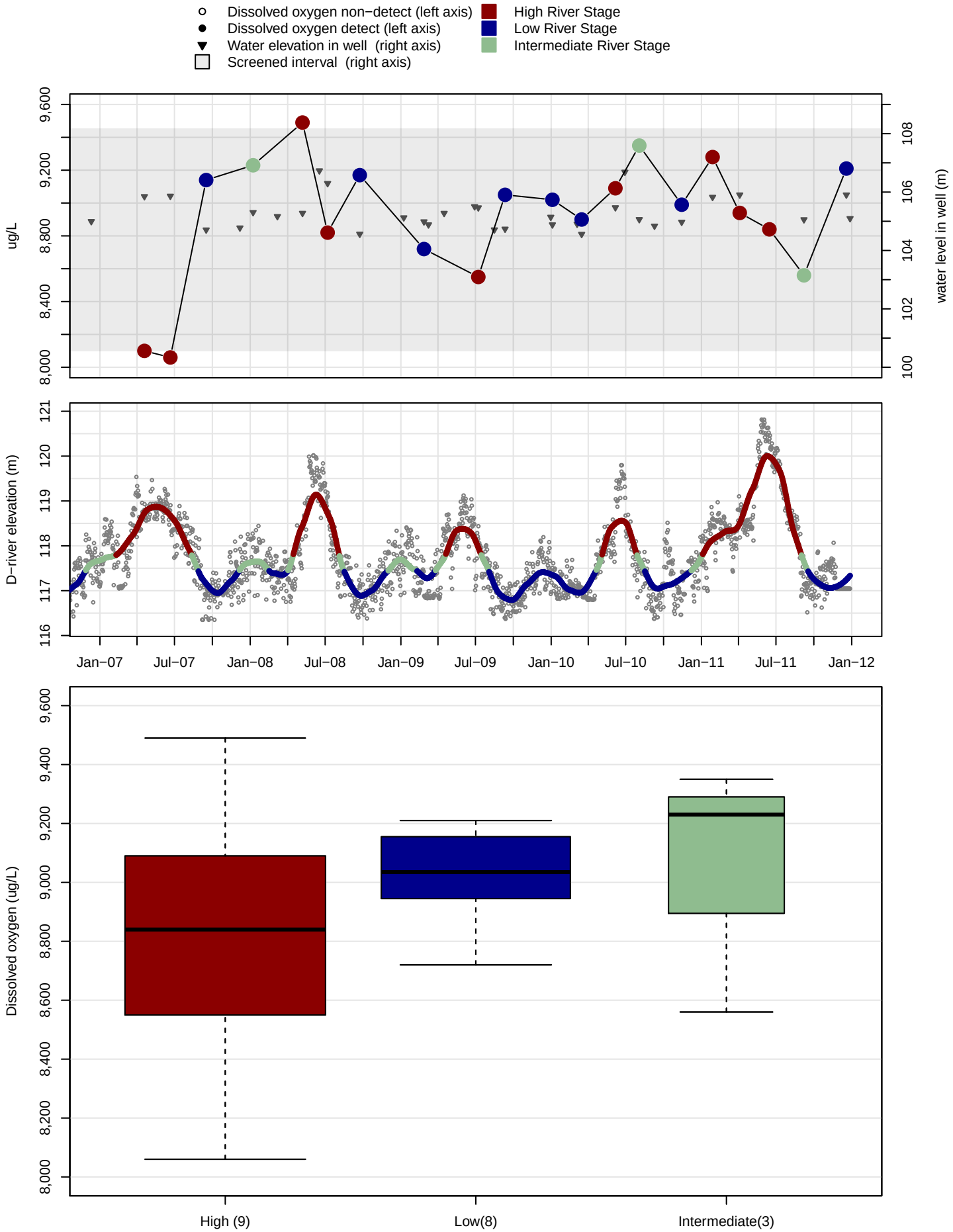
Mann Whitney p = 1.77e−01 t−test p = 1.46e−01

399−3−2 (642m) Lag (1 Days)



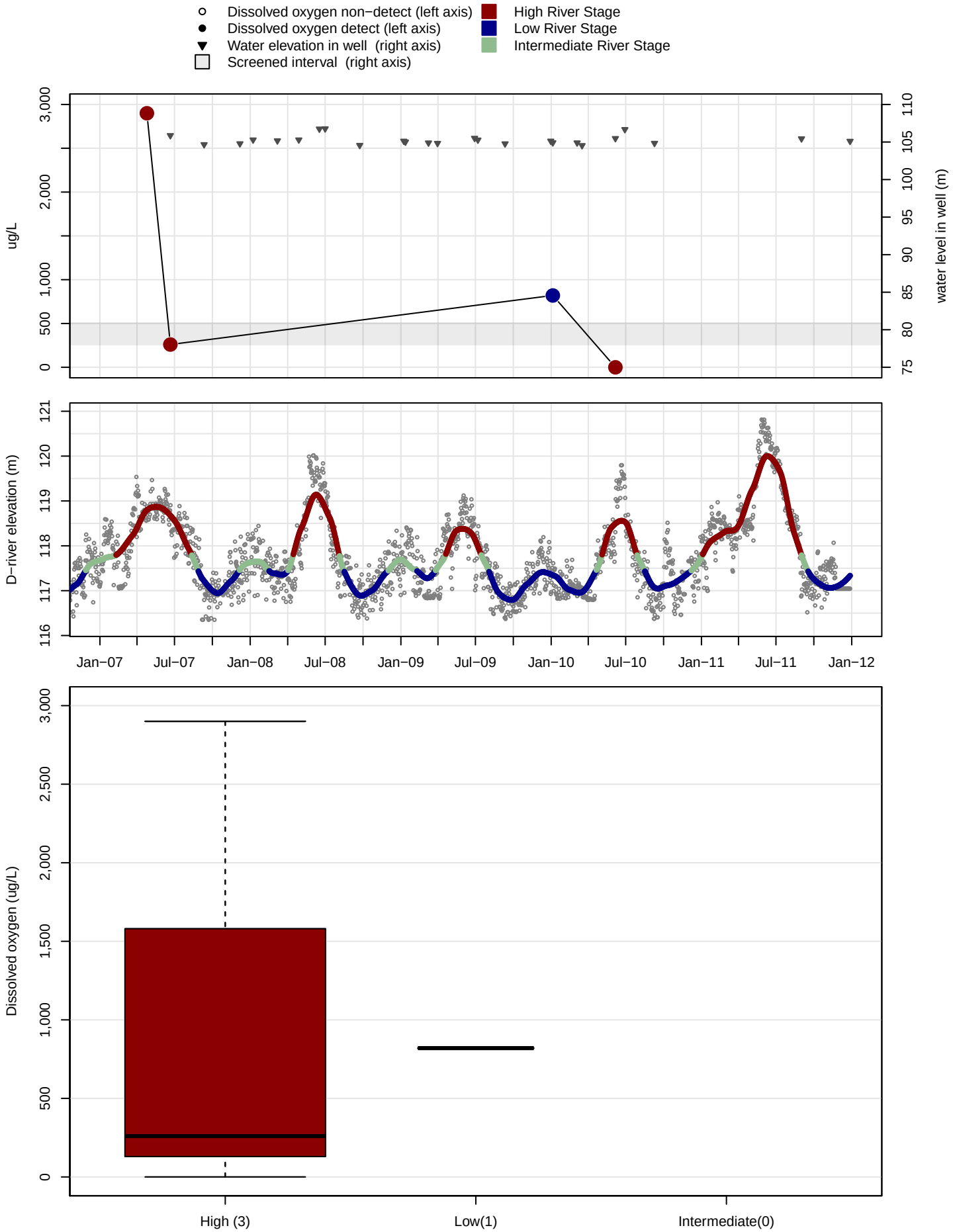
Mann Whitney p = NA t−test p = NA

399−3−20 (201m) Lag (0 Days)



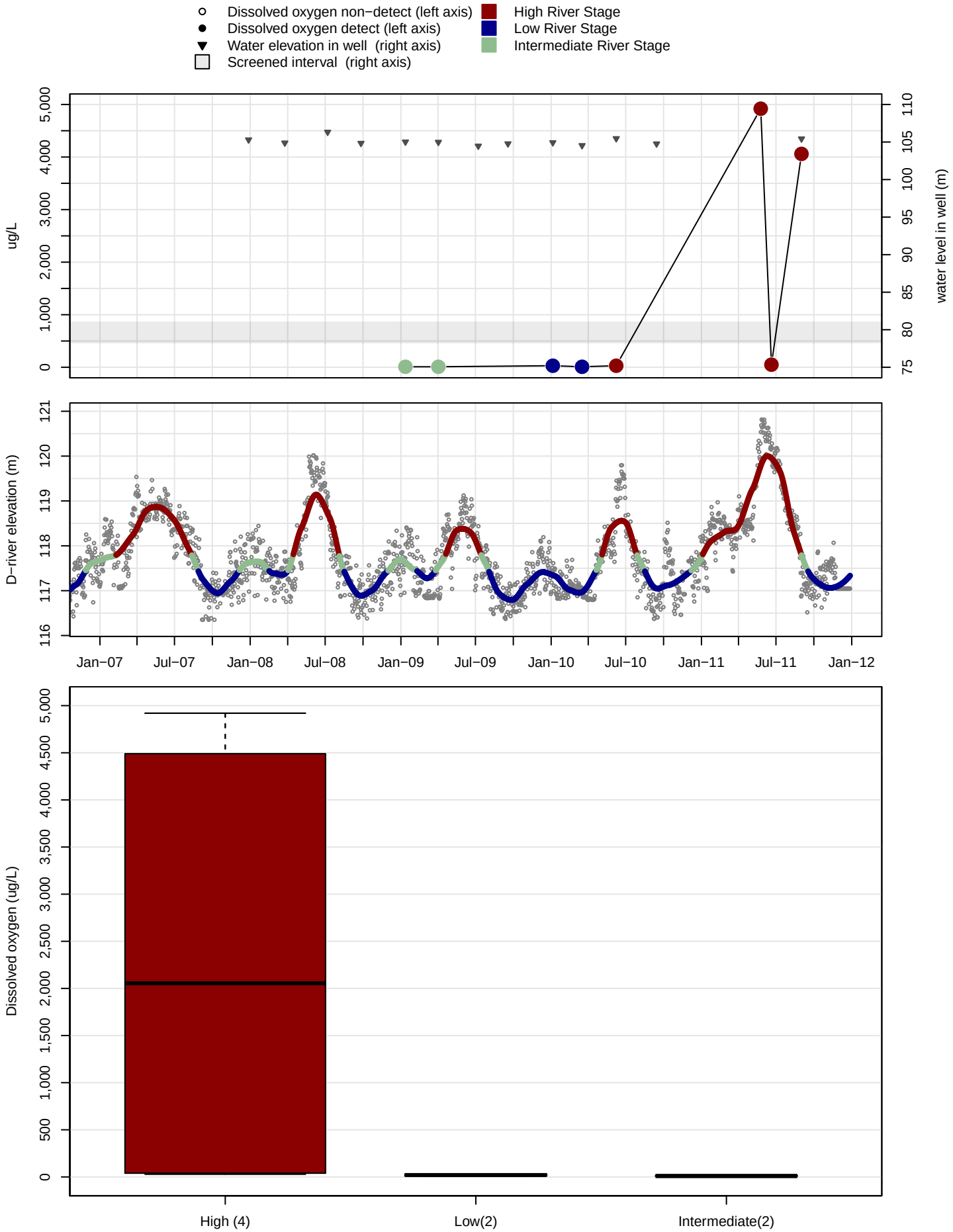
Mann Whitney p = 3.21e−01 t−test p = 2.15e−01

399−3−21 (196m) Lag (8 Days)



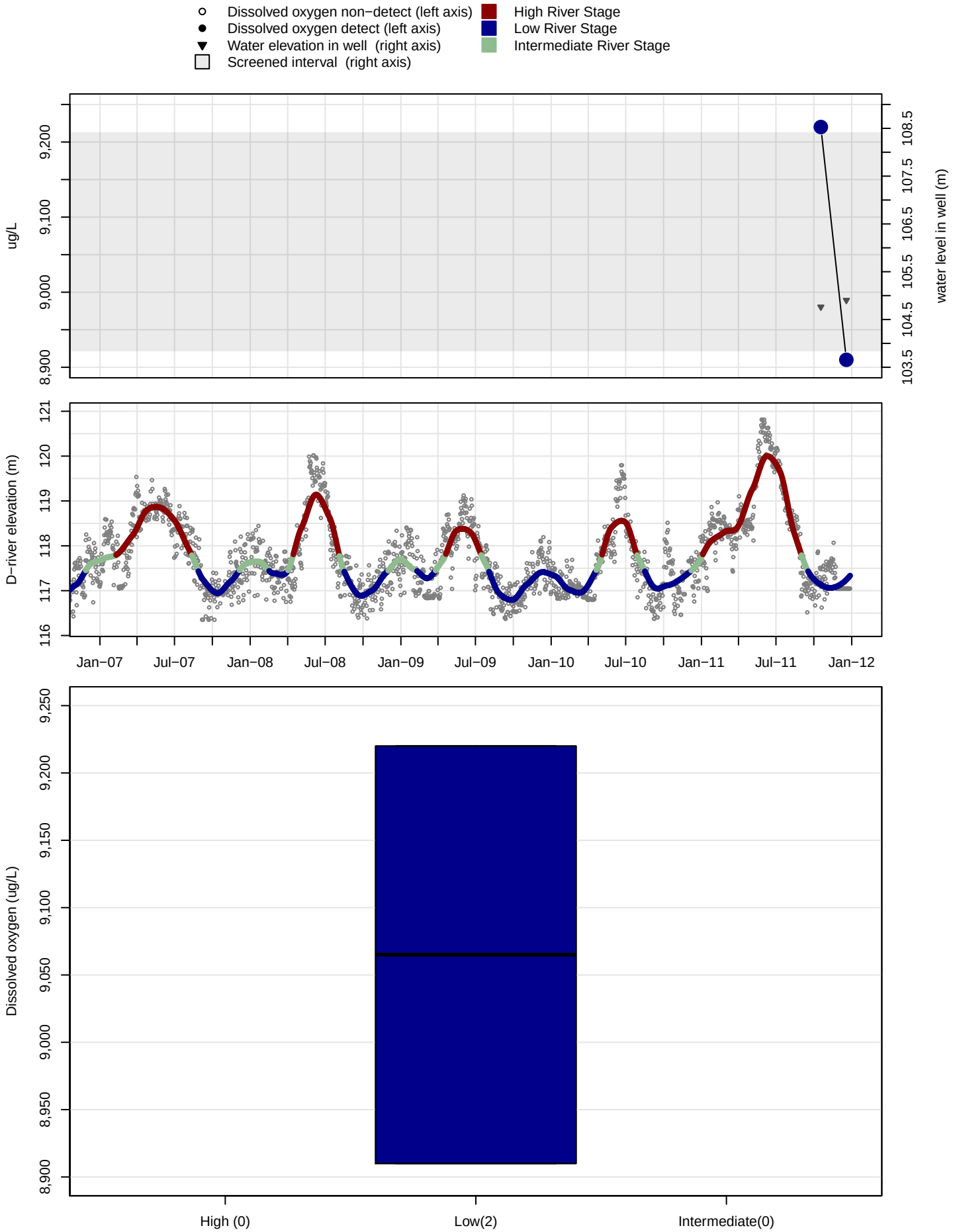
Mann Whitney p = NA t−test p = NA

399−3−22 (322m) Lag (0 Days)



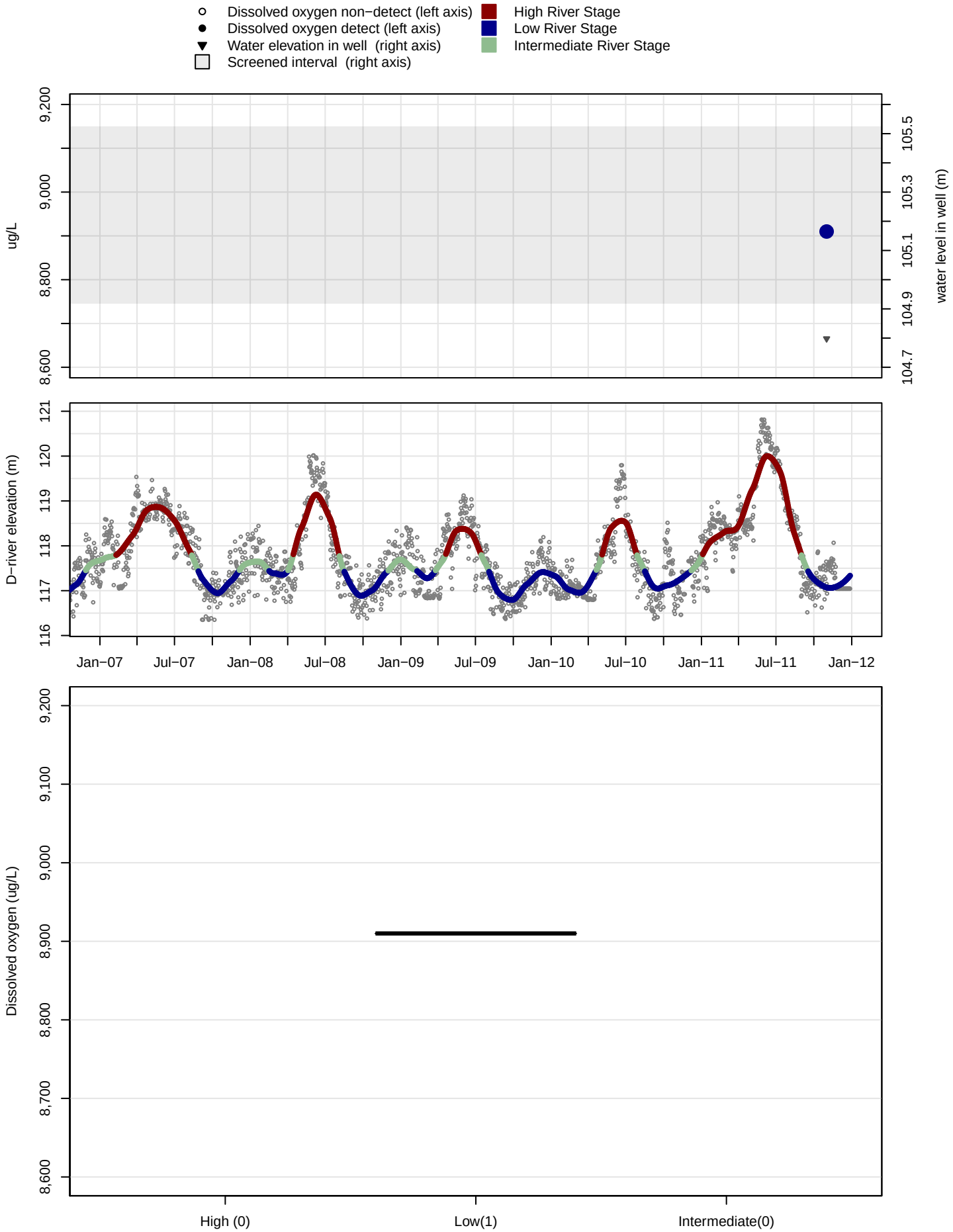
Mann Whitney p = NA t−test p = NA

399−3−33 (45m) Lag (Indeterminate)



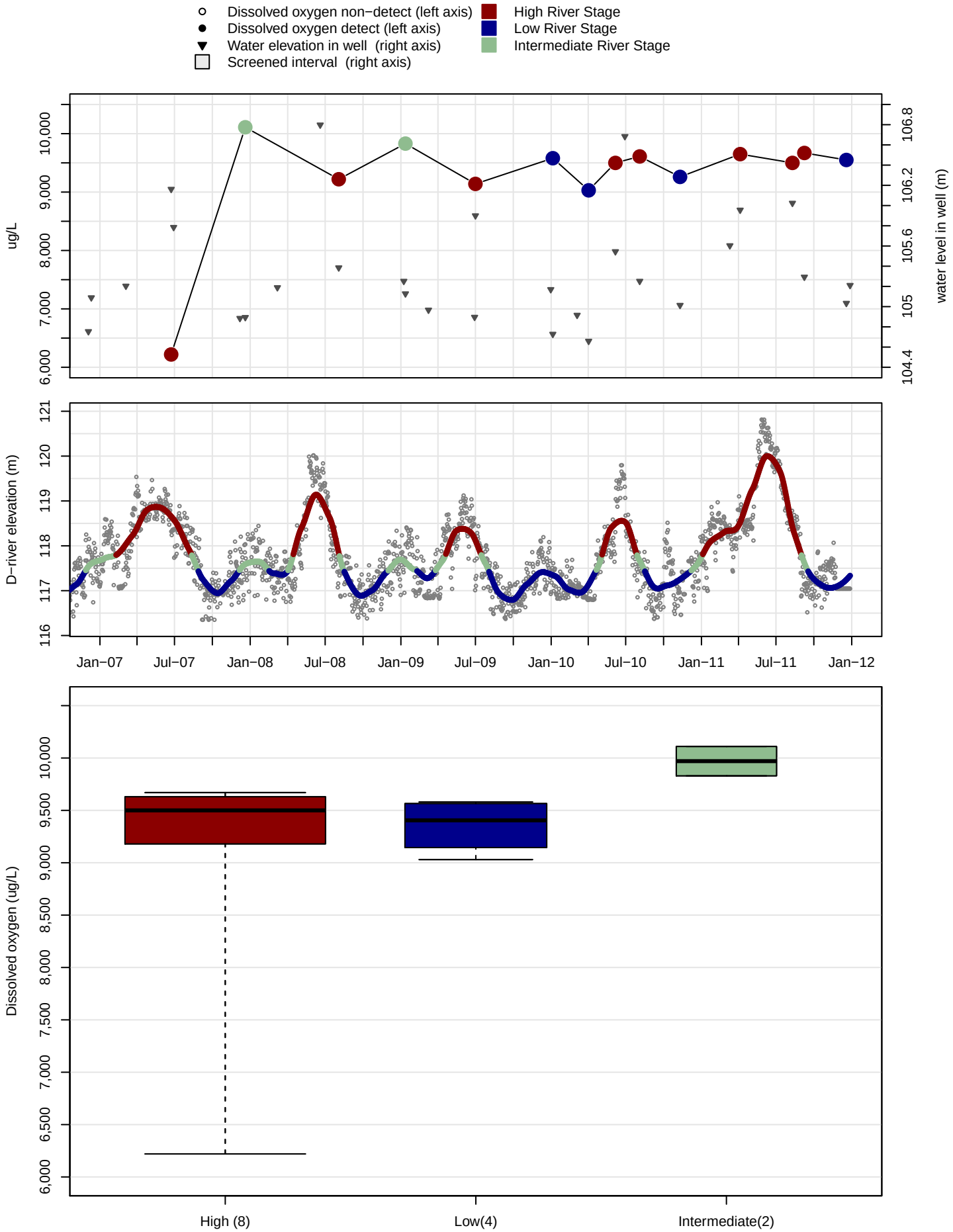
Mann Whitney p = NA t−test p = NA

399−3−38 (205m) Lag (Indeterminate)



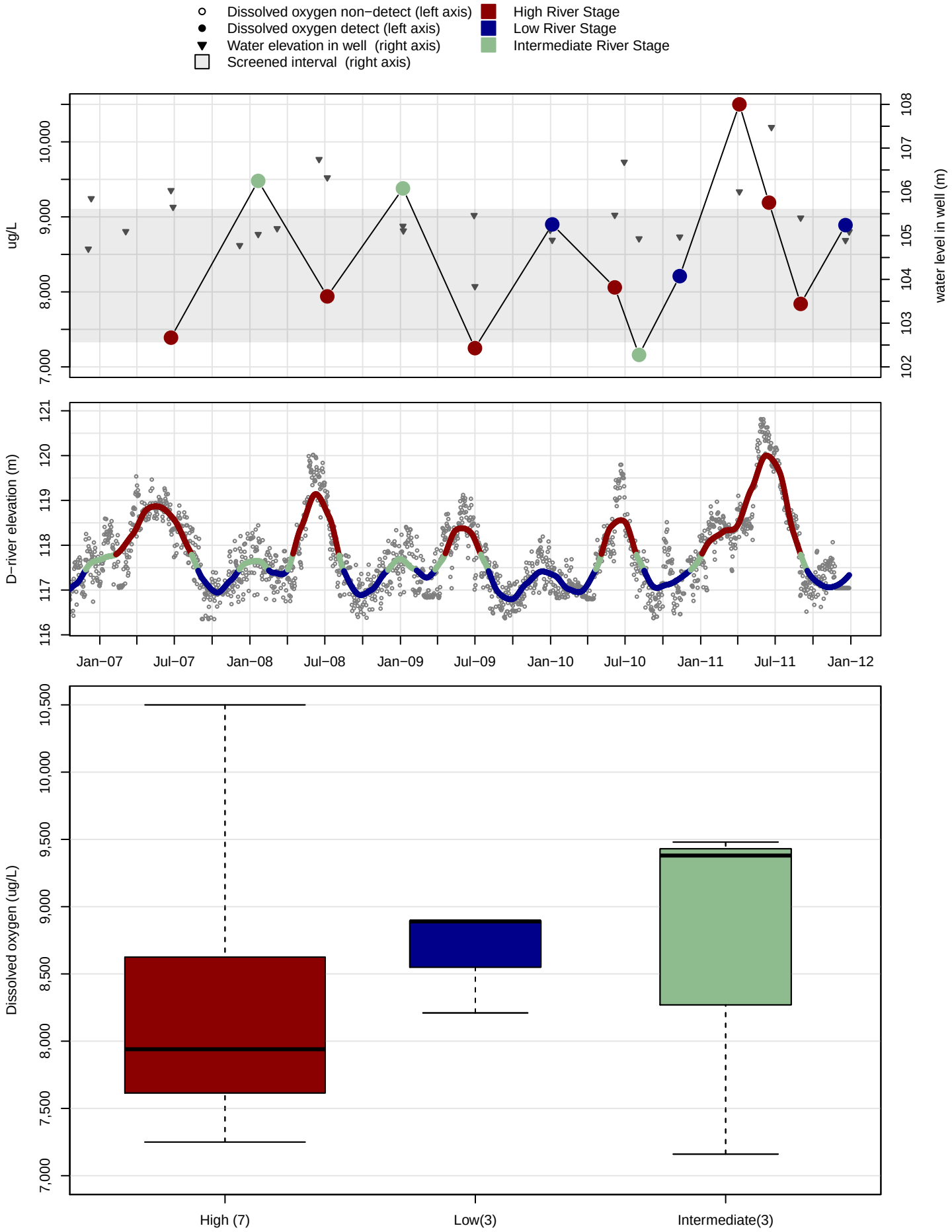
Mann Whitney p = NA t−test p = NA

399−3−6 (608m) Lag (6 Days)



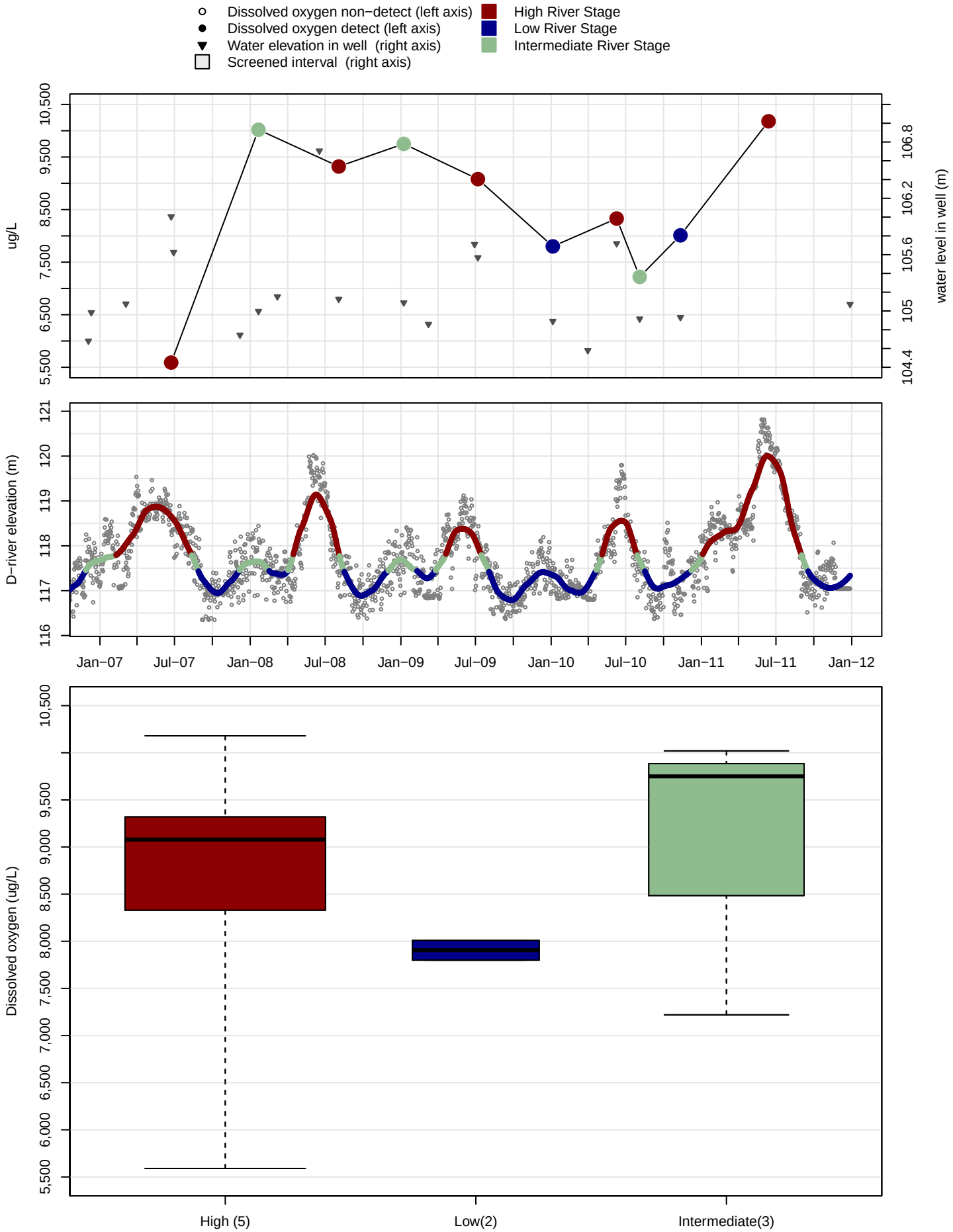
Mann Whitney p = 7.8e−01 t−test p = 5.19e−01

399−3−9 (57m) Lag (0 Days)



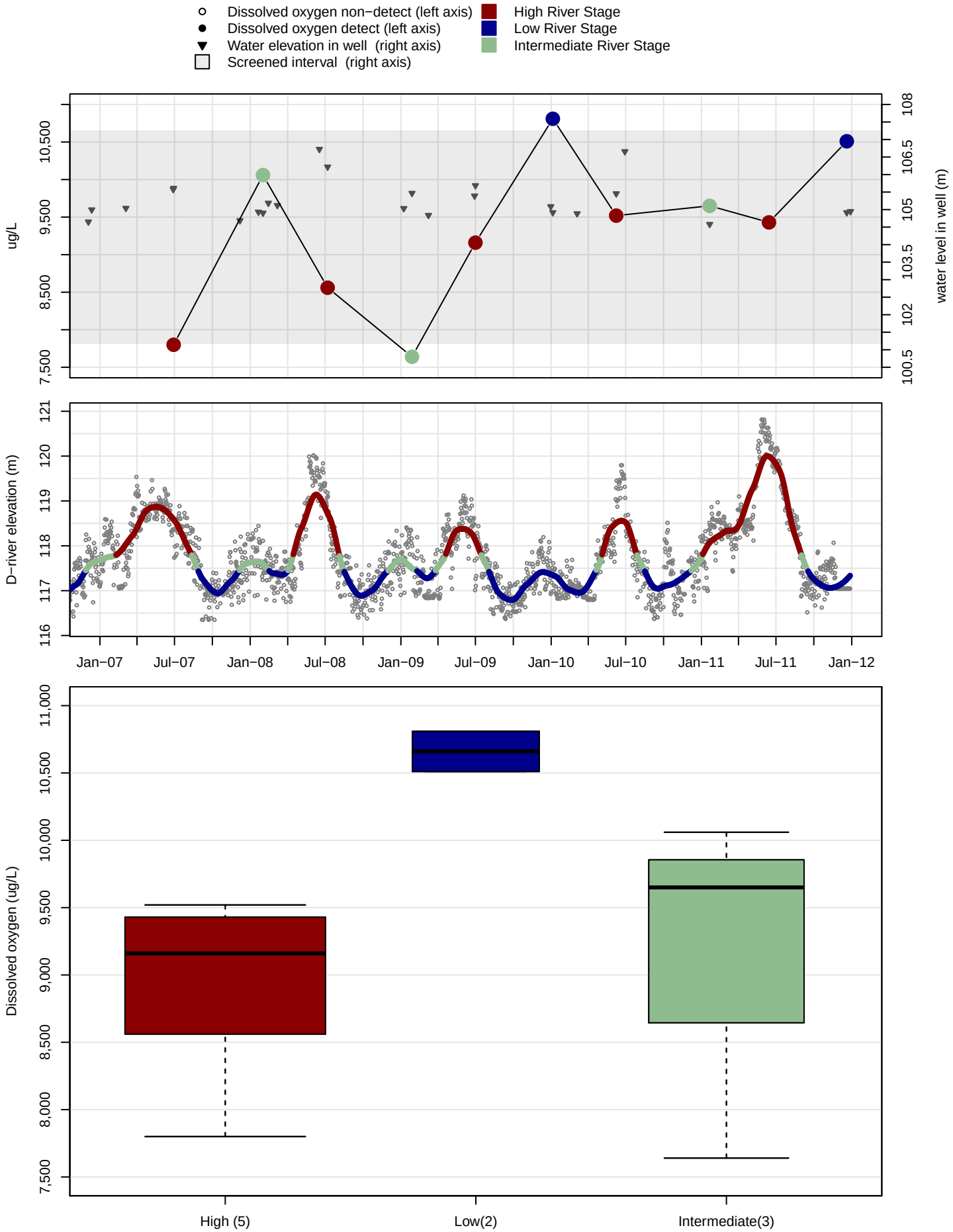
Mann Whitney p = 3.83e−01 t−test p = 4.89e−01

399−4−1 (372m) Lag (3 Days)



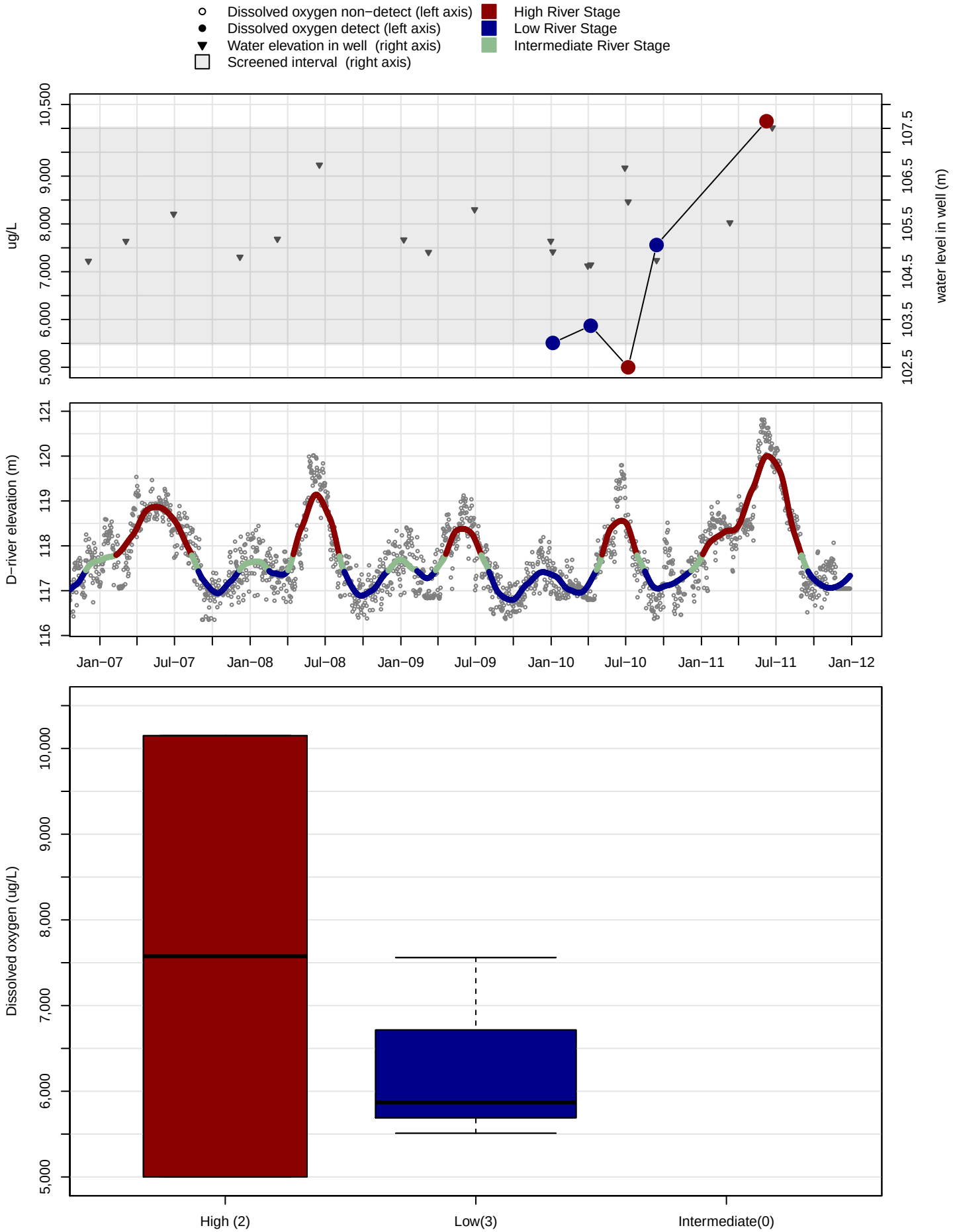
Mann Whitney p = NA t−test p = NA

399−4−10 (57m) Lag (21 Days)



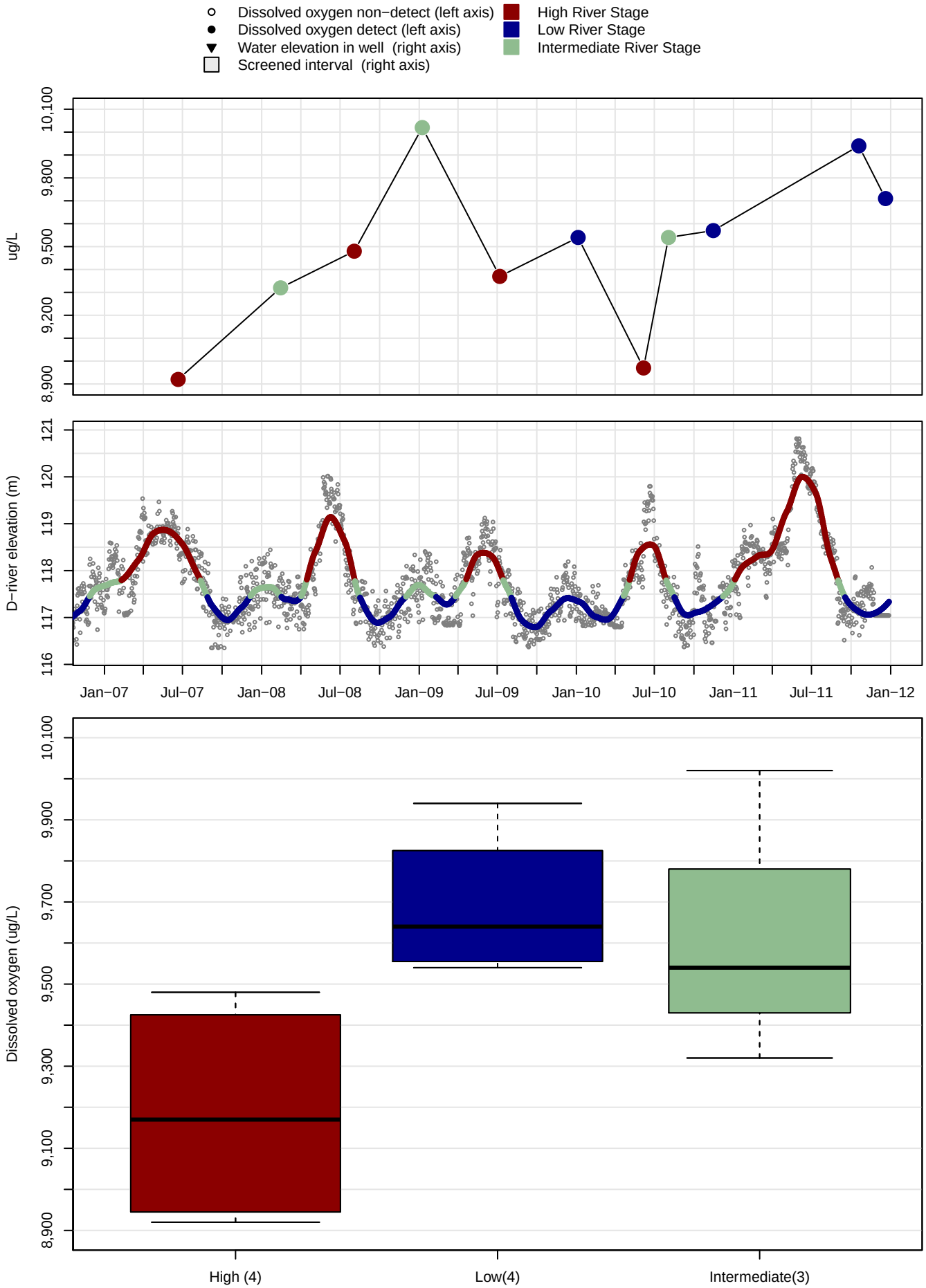
Mann Whitney p = NA t−test p = NA

399−4−11 (499m) Lag (12 Days)



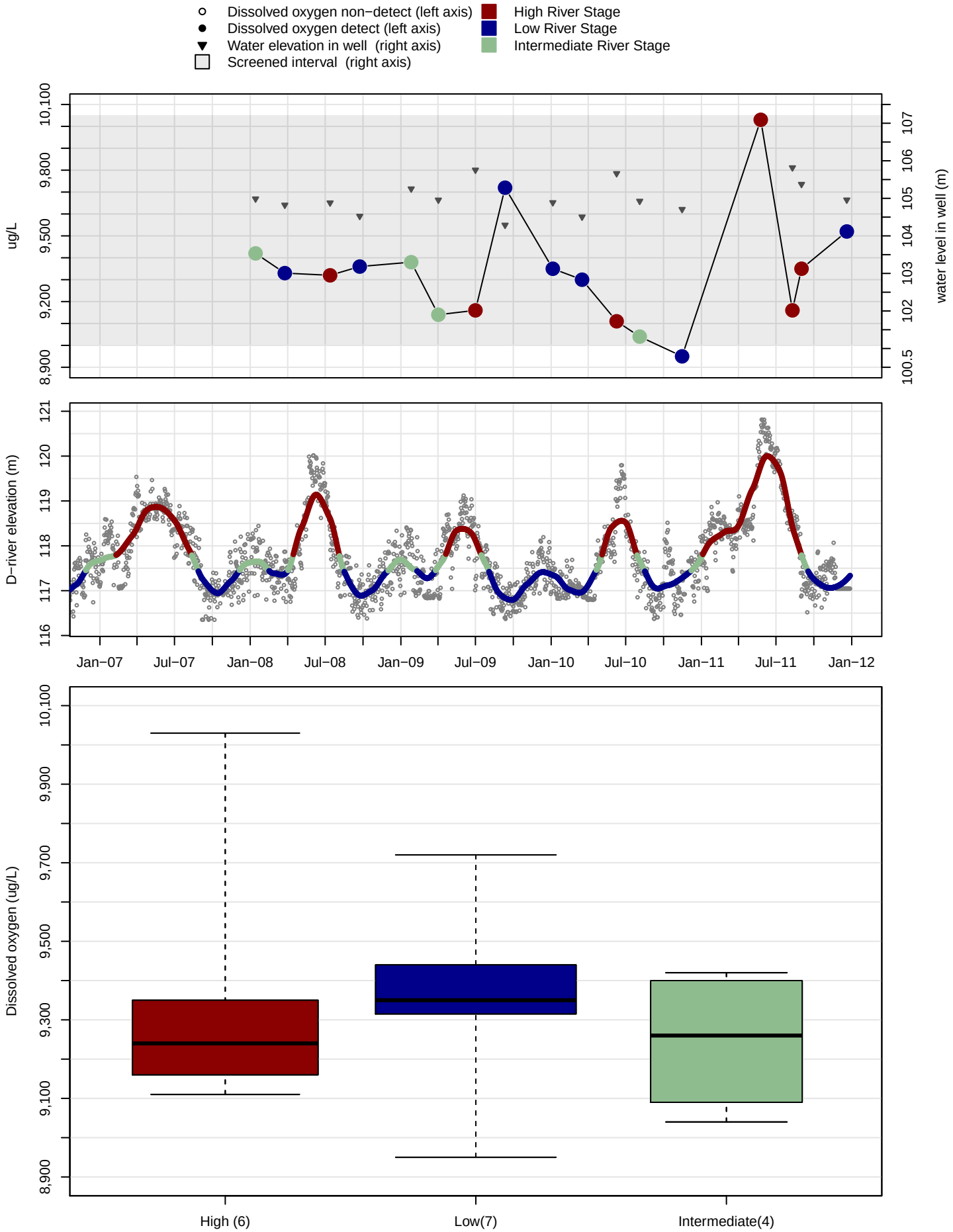
Mann Whitney p = NA t−test p = NA

399−4−12 (151m) Lag (Indeterminate)



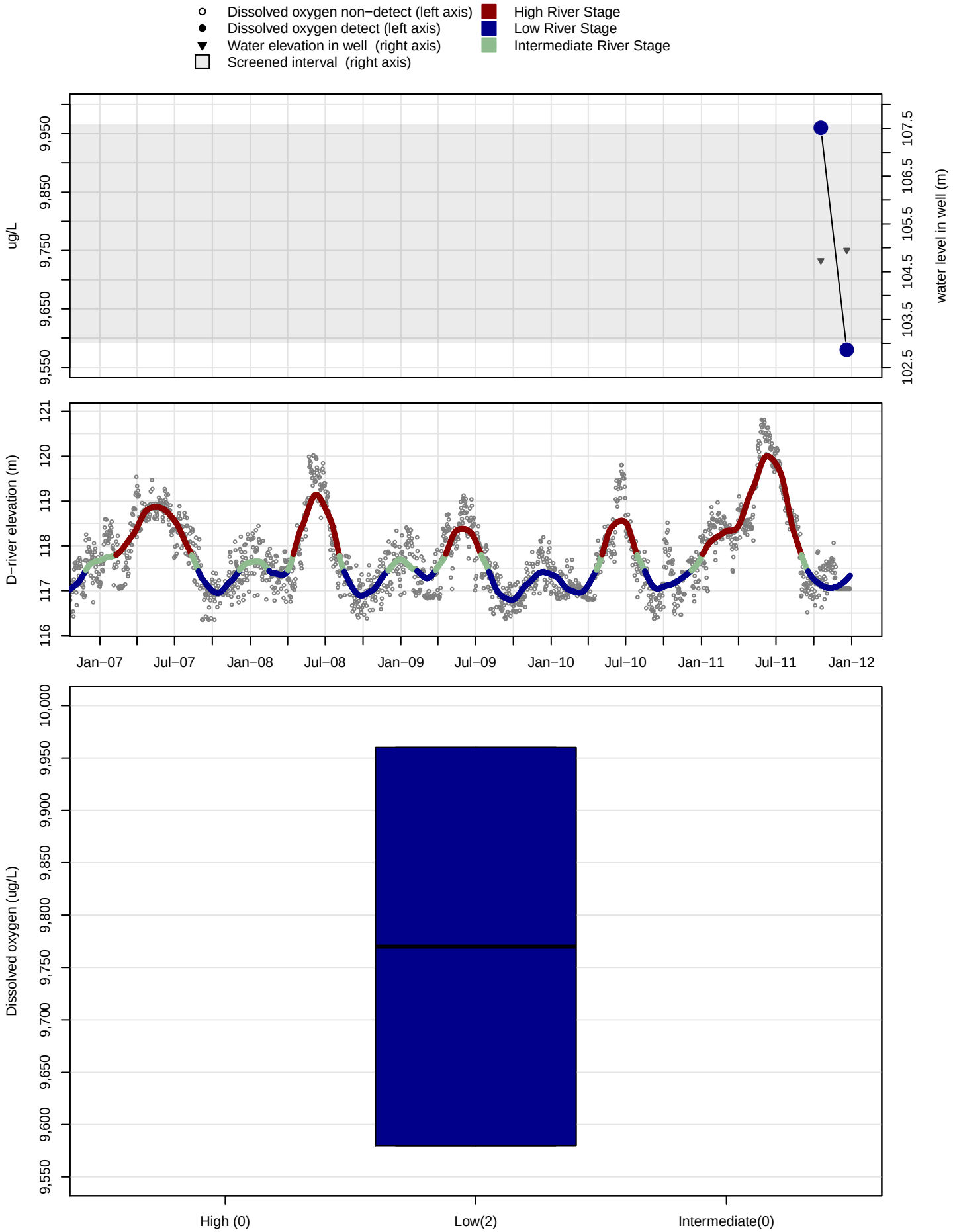
Mann Whitney p = 2.86e−02 t−test p = 2.87e−02

399−4−14 (235m) Lag (3 Days)



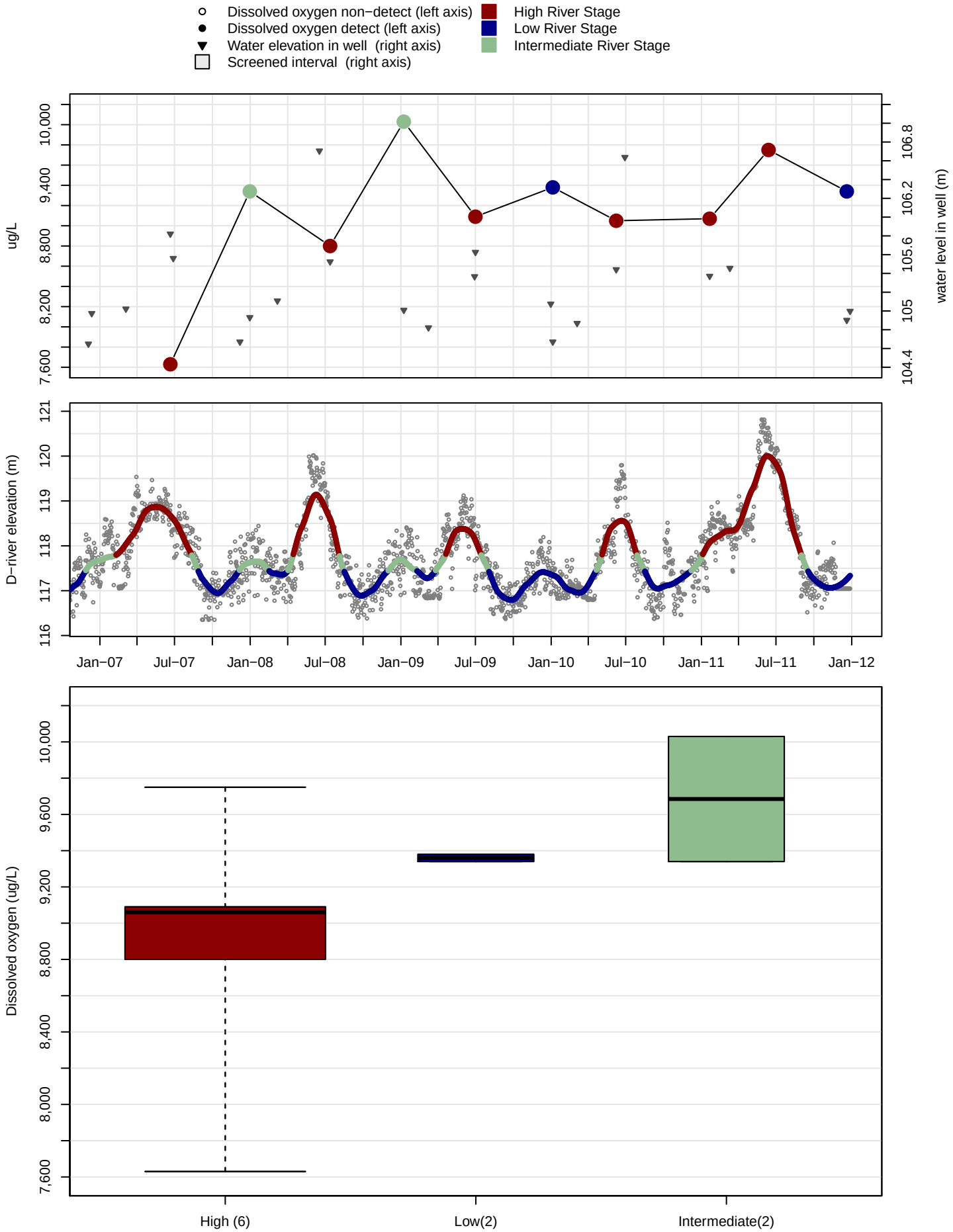
Mann Whitney p = 4.61e−01 t−test p = 9.7e−01

399−4−15 (254m) Lag (Indeterminate)



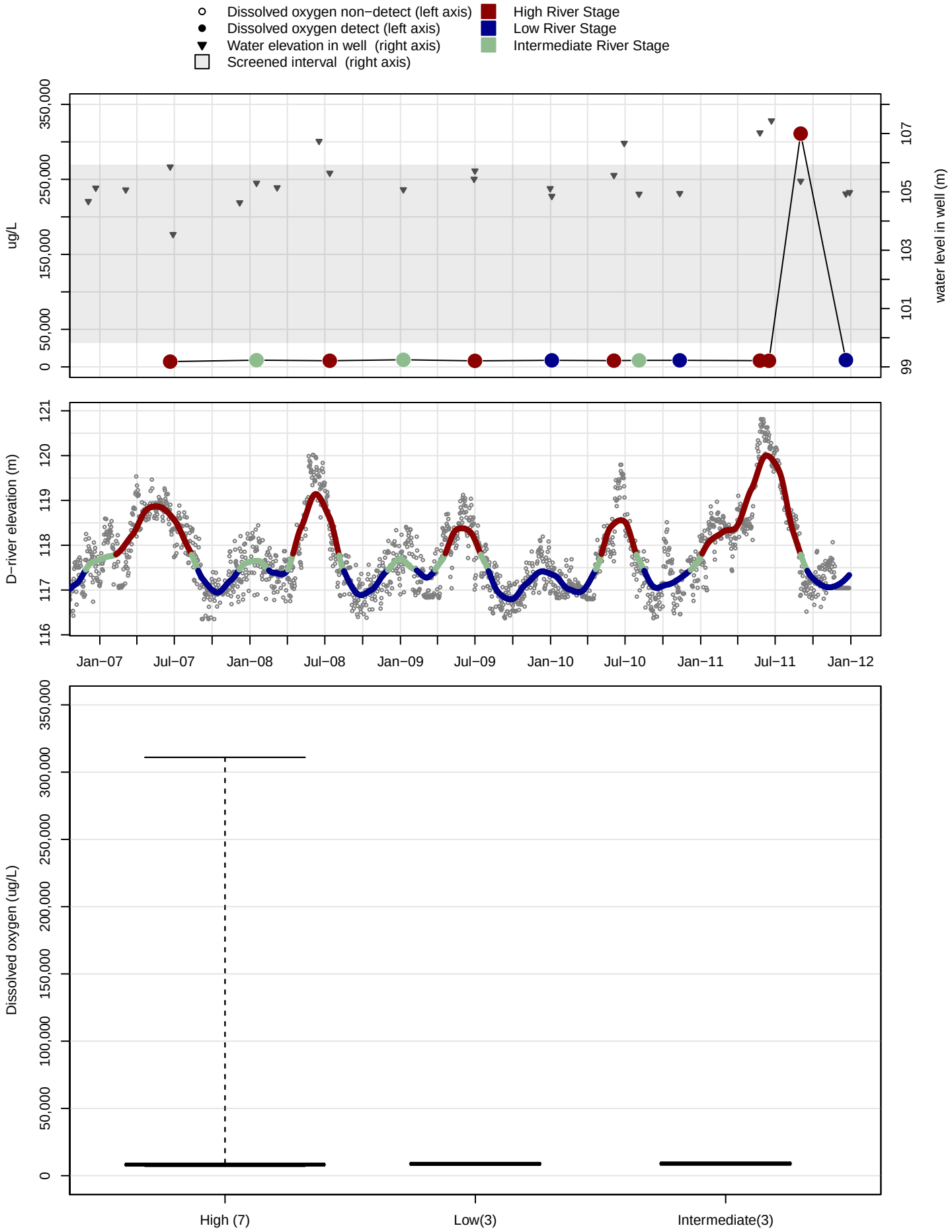
Mann Whitney p = NA t−test p = NA

399−4−7 (74m) Lag (8 Days)



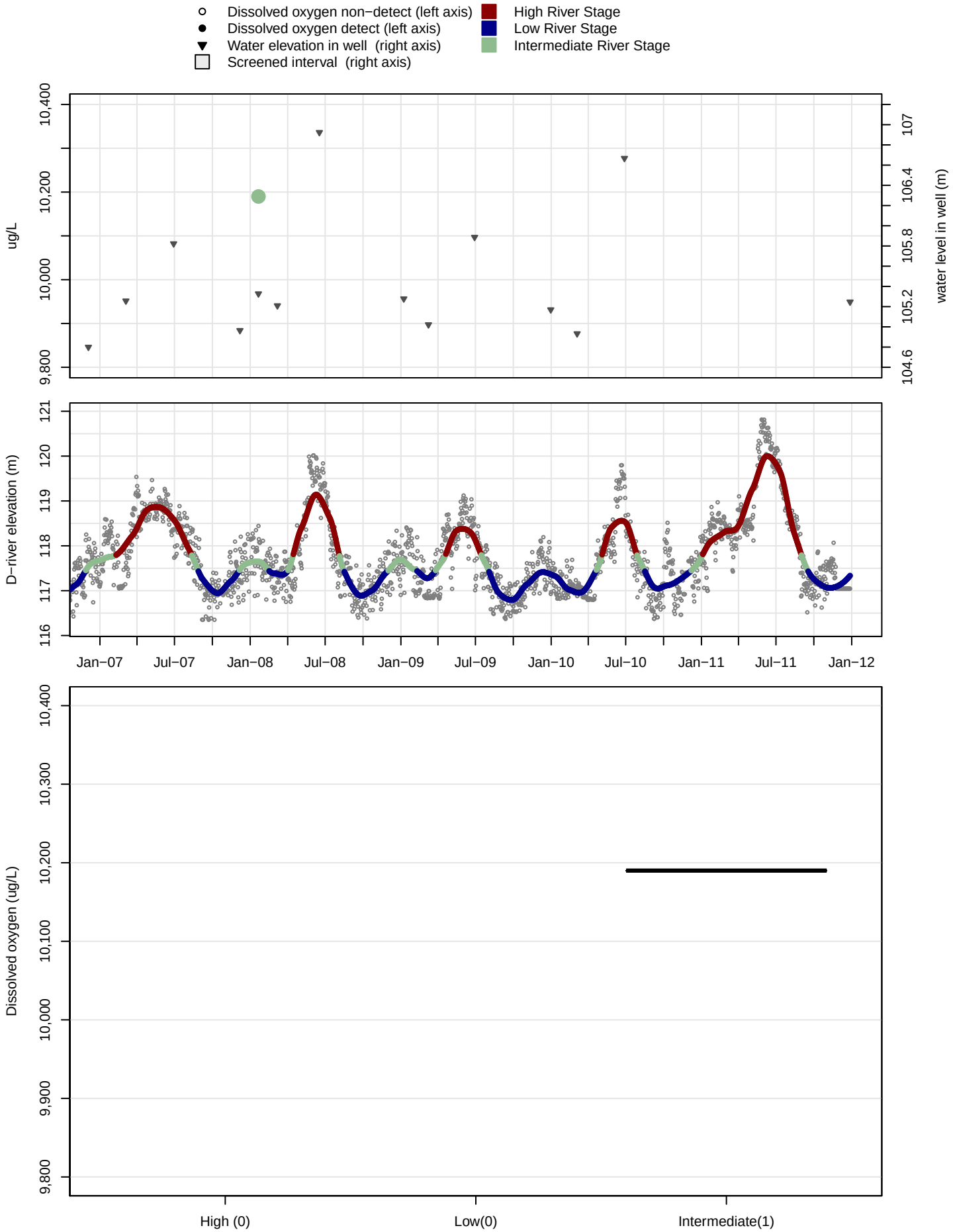
Mann Whitney p = NA t−test p = NA

399-4-9 (58m) Lag (0 Days)



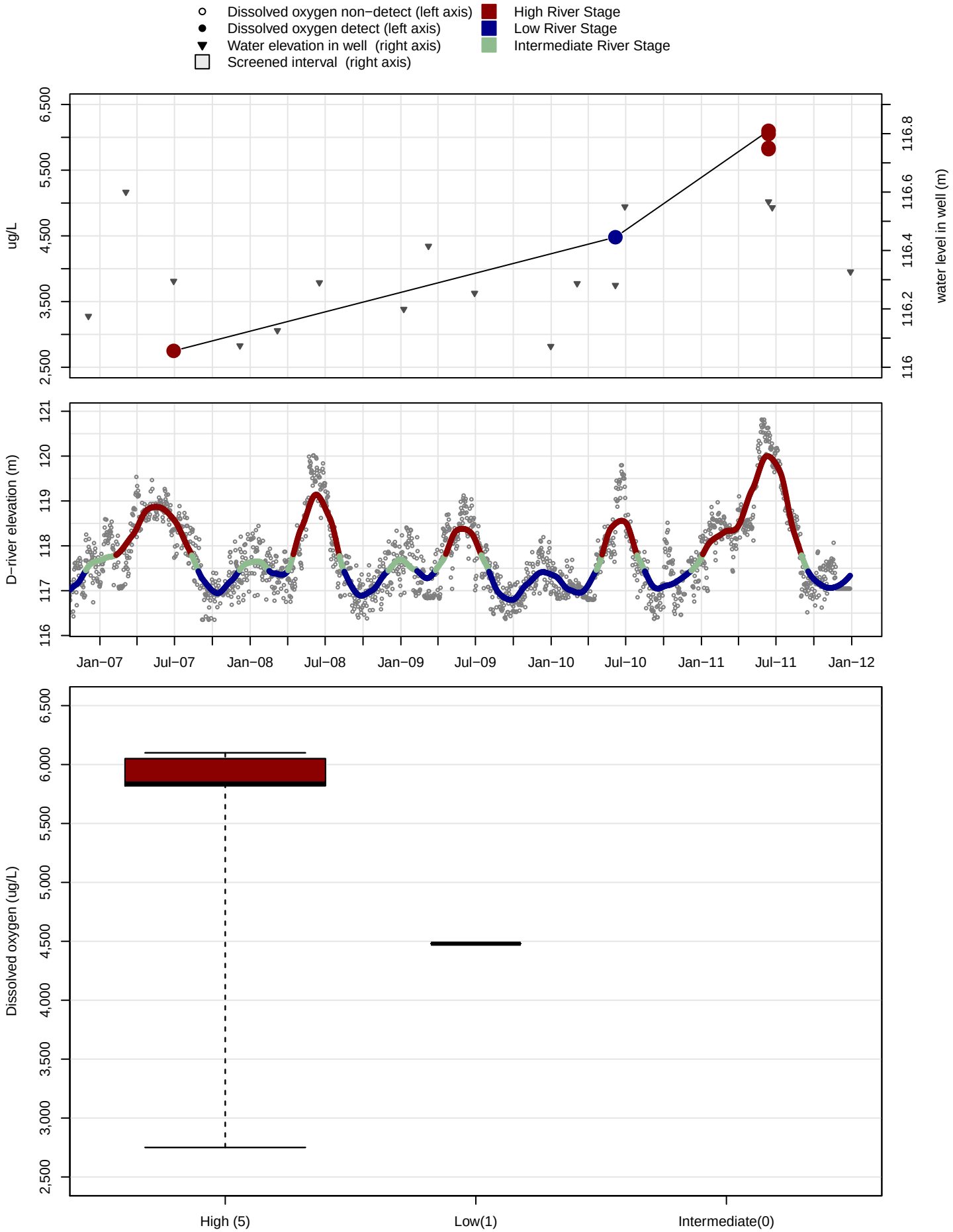
Mann Whitney p = 1.08e-01 t-test p = 3.65e-01

399−5−1 (869m) Lag (15 Days)



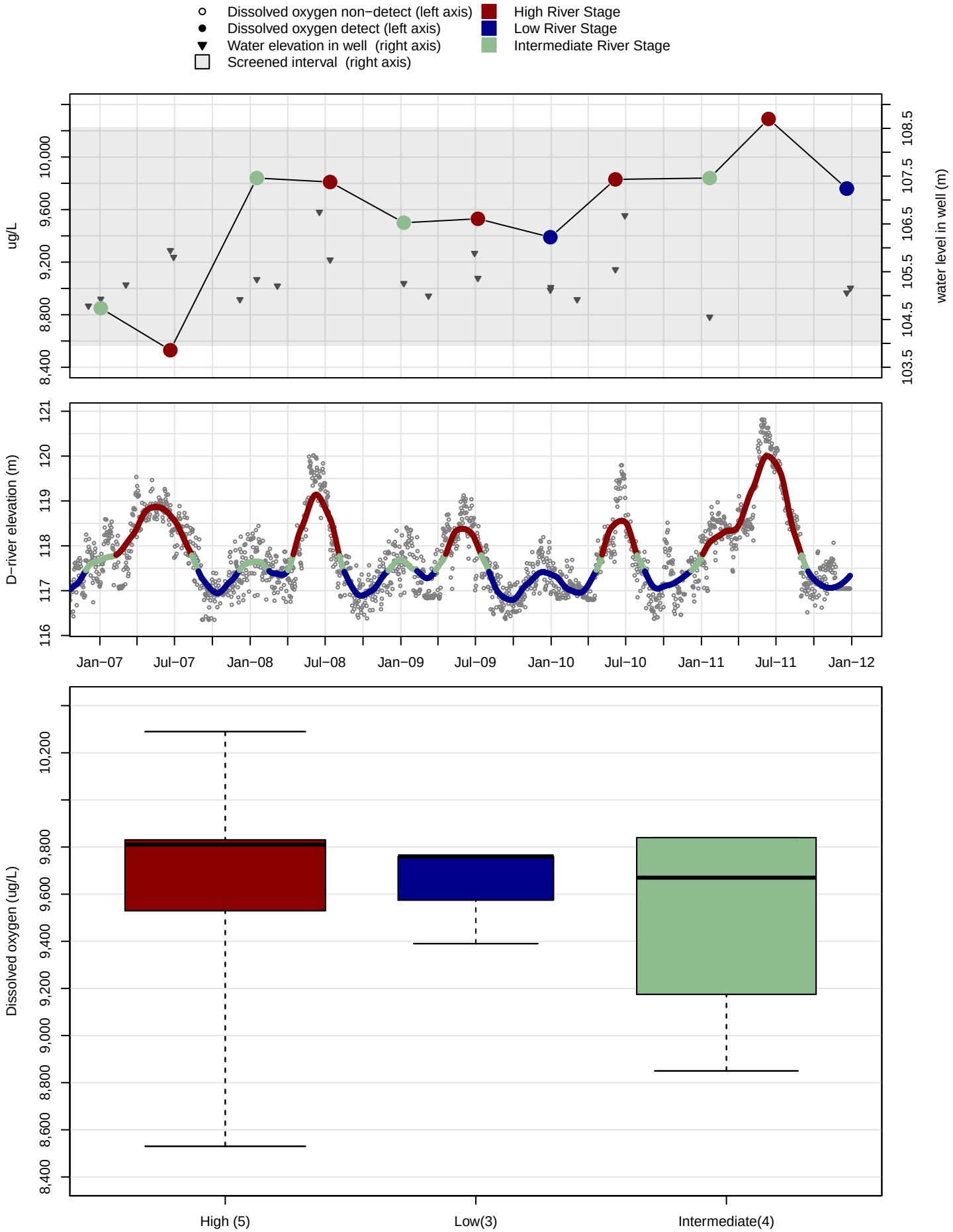
Mann Whitney p = NA t−test p = NA

399−5−2 (1797m) Lag (86 Days)



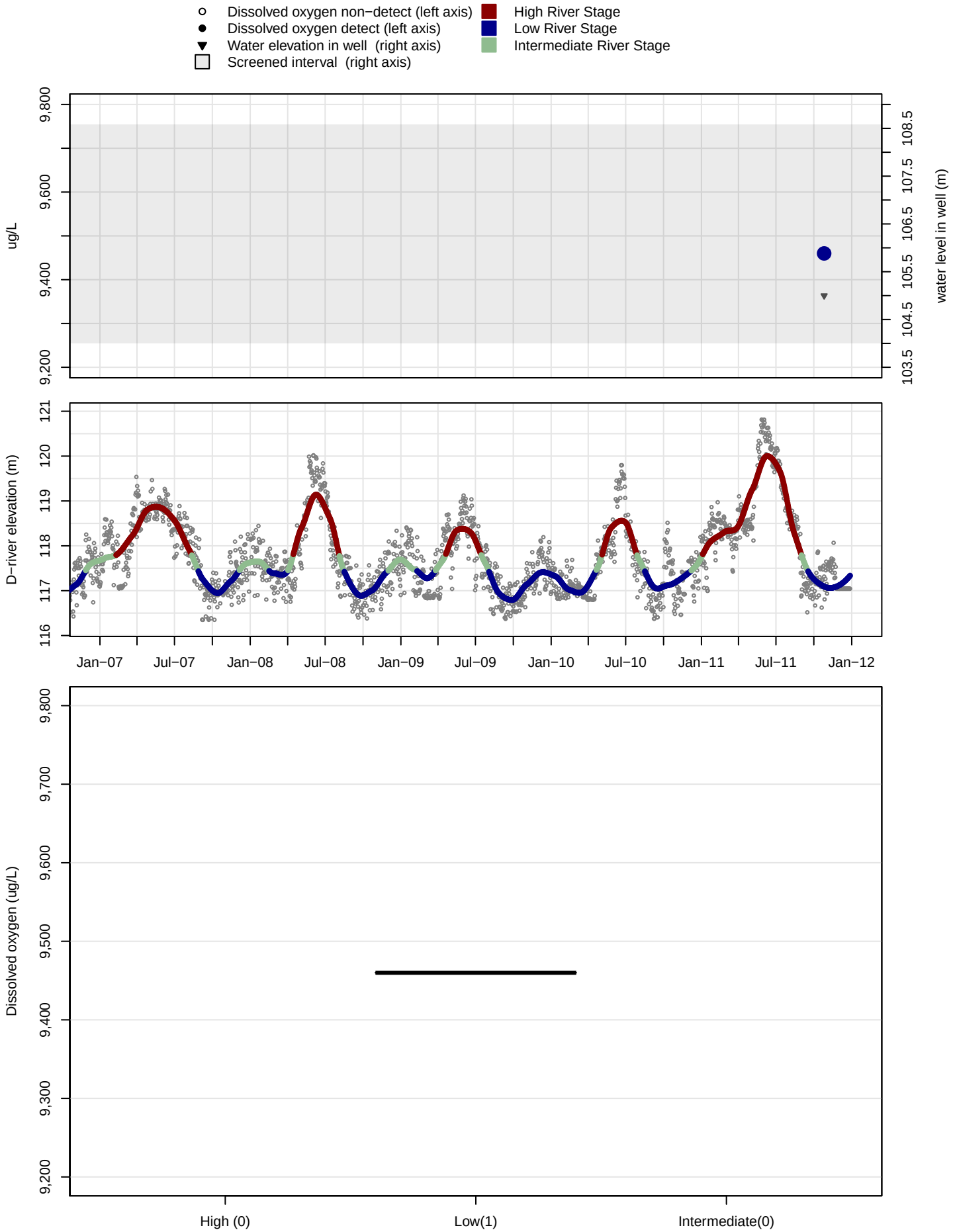
Mann Whitney p = NA t−test p = NA

399−5−4B (845m) Lag (15 Days)



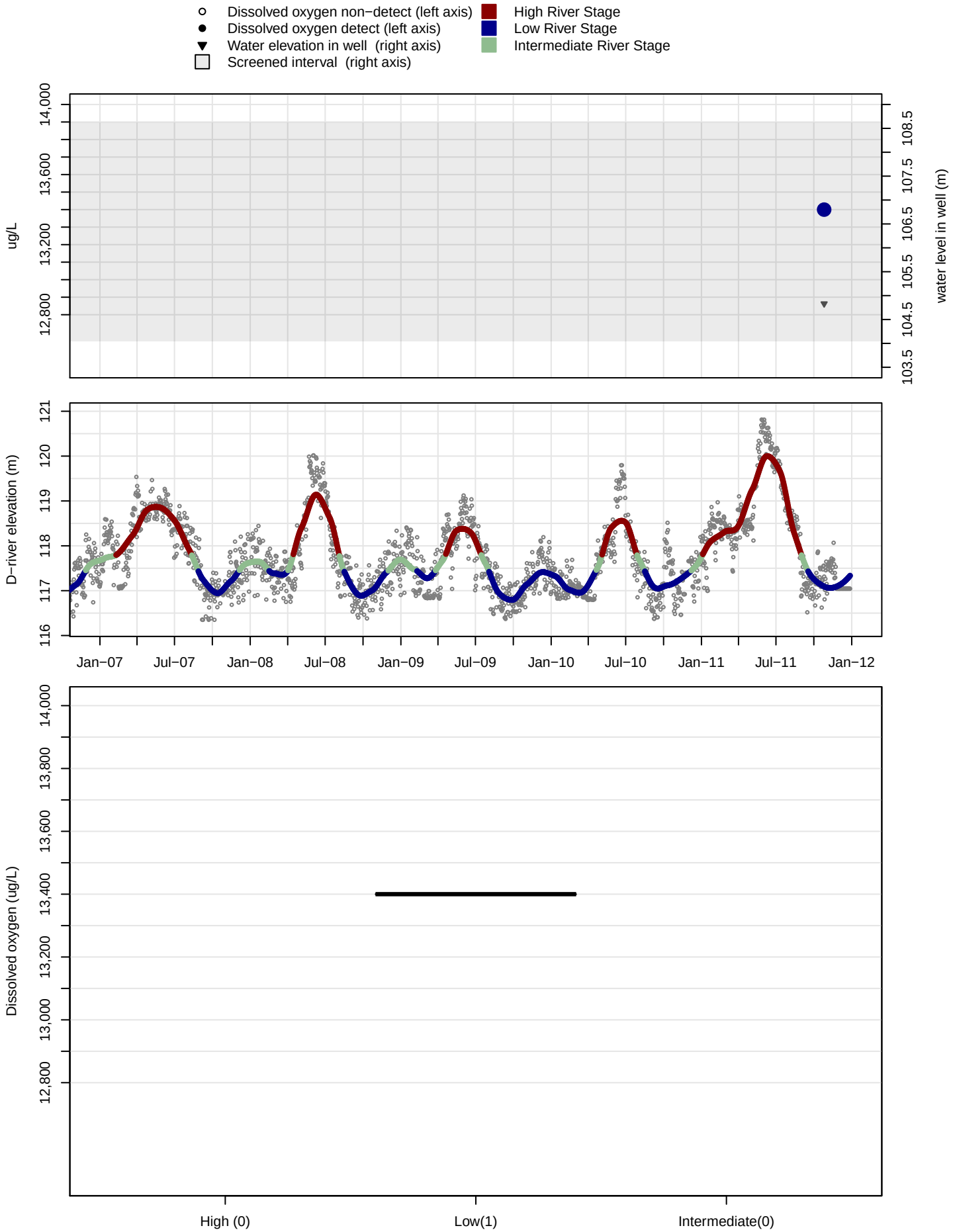
Mann Whitney p = 5.36e−01 t−test p = 9.08e−01

399−6−3 (801m) Lag (Indeterminate)



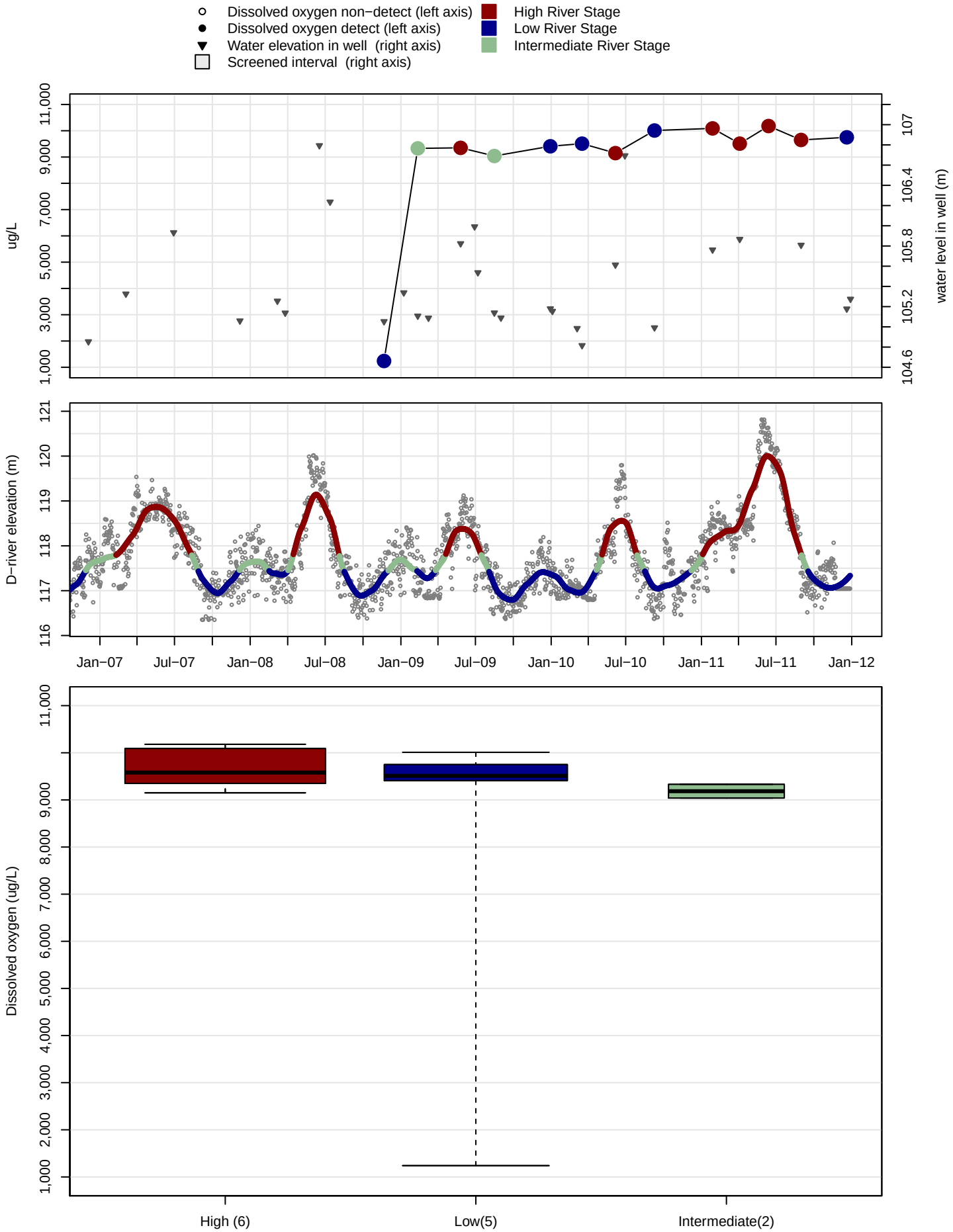
Mann Whitney p = NA t−test p = NA

399−6−5 (711m) Lag (Indeterminate)



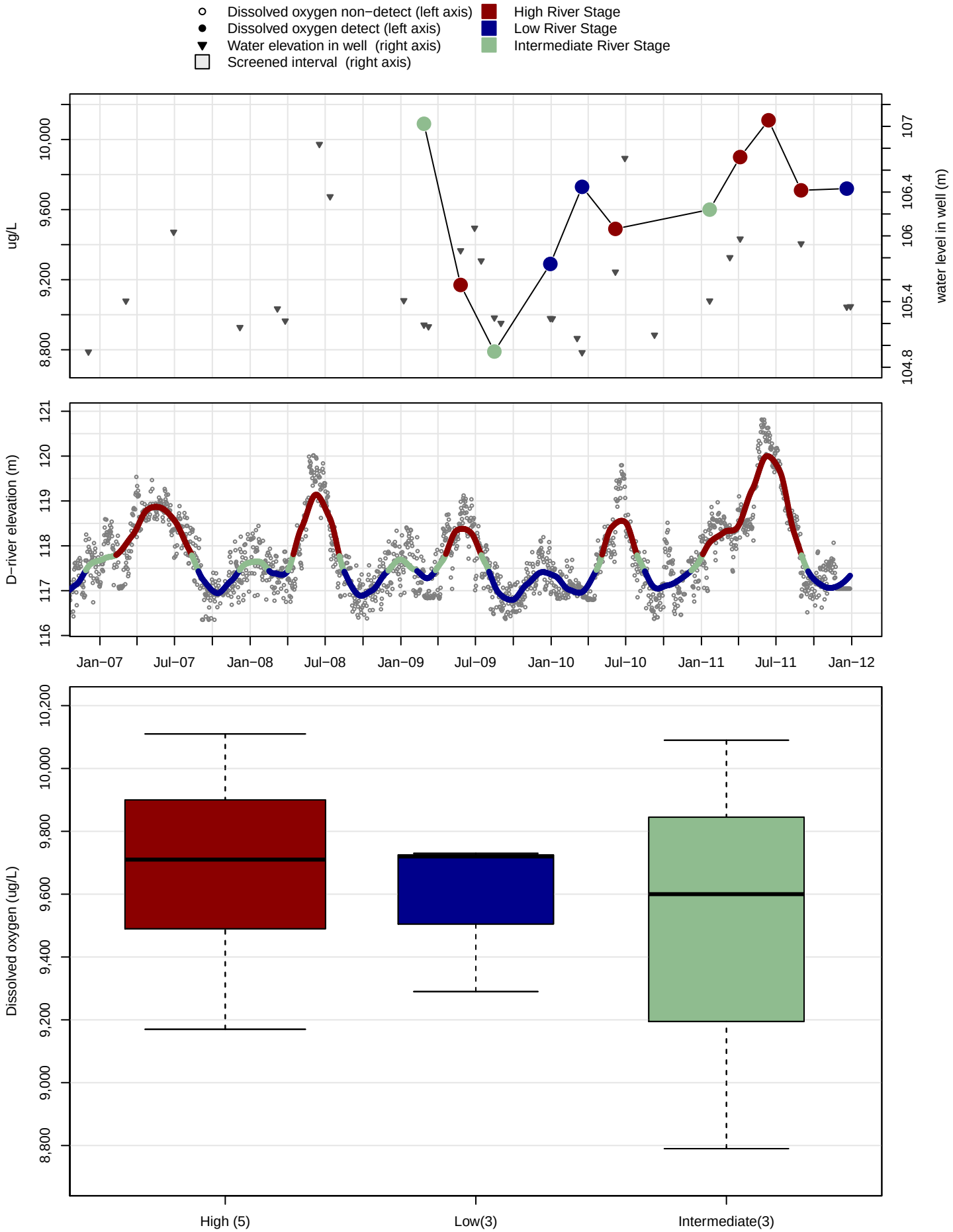
Mann Whitney p = NA t−test p = NA

399−8−1 (804m) Lag (13 Days)



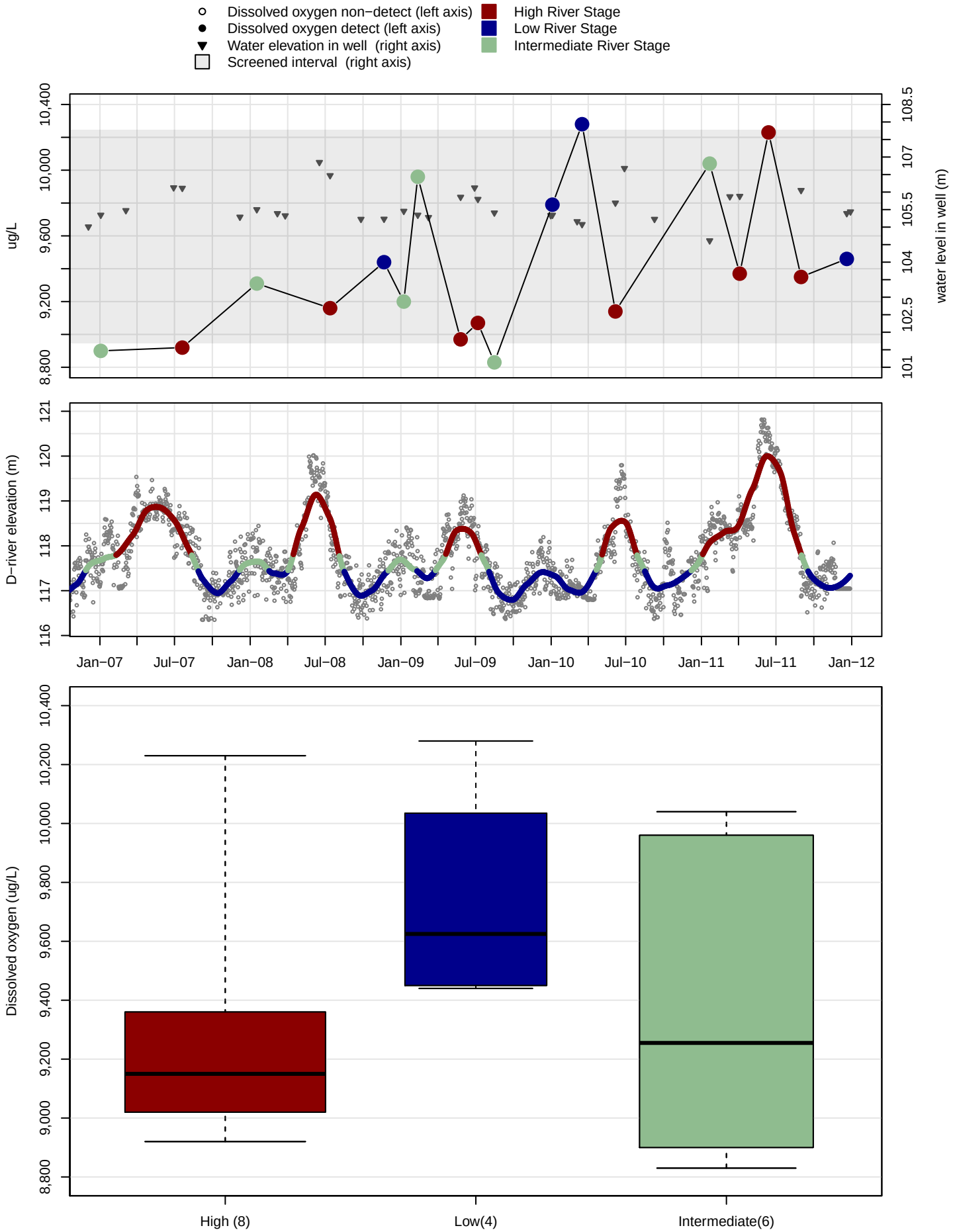
Mann Whitney p = 6.97e−01 t−test p = 3.8e−01

399−8−3 (757m) Lag (17 Days)



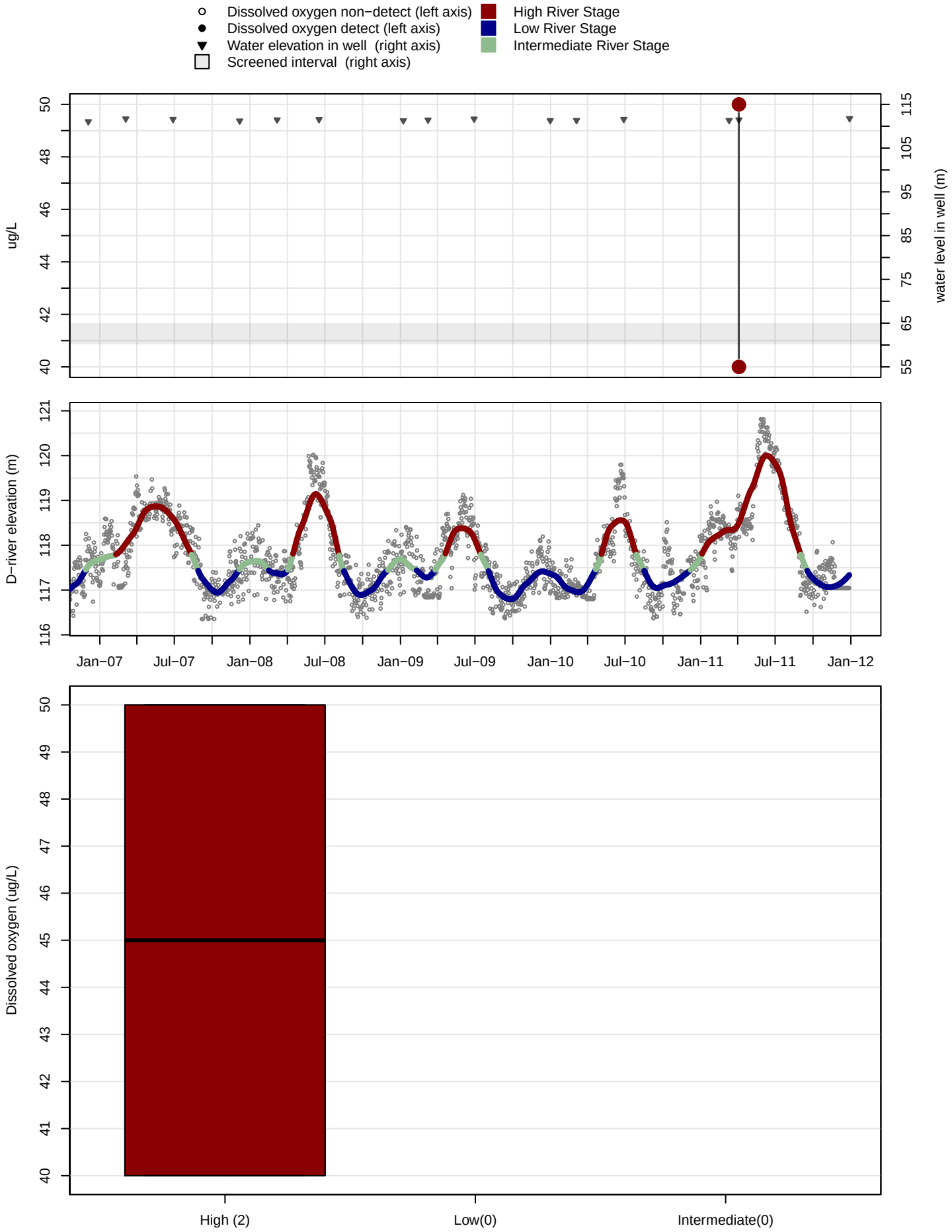
Mann Whitney p = 1e+00 t−test p = 6.76e−01

399−8−5A (1009m) Lag (21 Days)



Mann Whitney p = 2.83e−02 t−test p = 1.03e−01

399−8−5C (1007m) Lag (41 Days)



Mann Whitney p = NA t−test p = NA

X.3 Trend Analysis Plots

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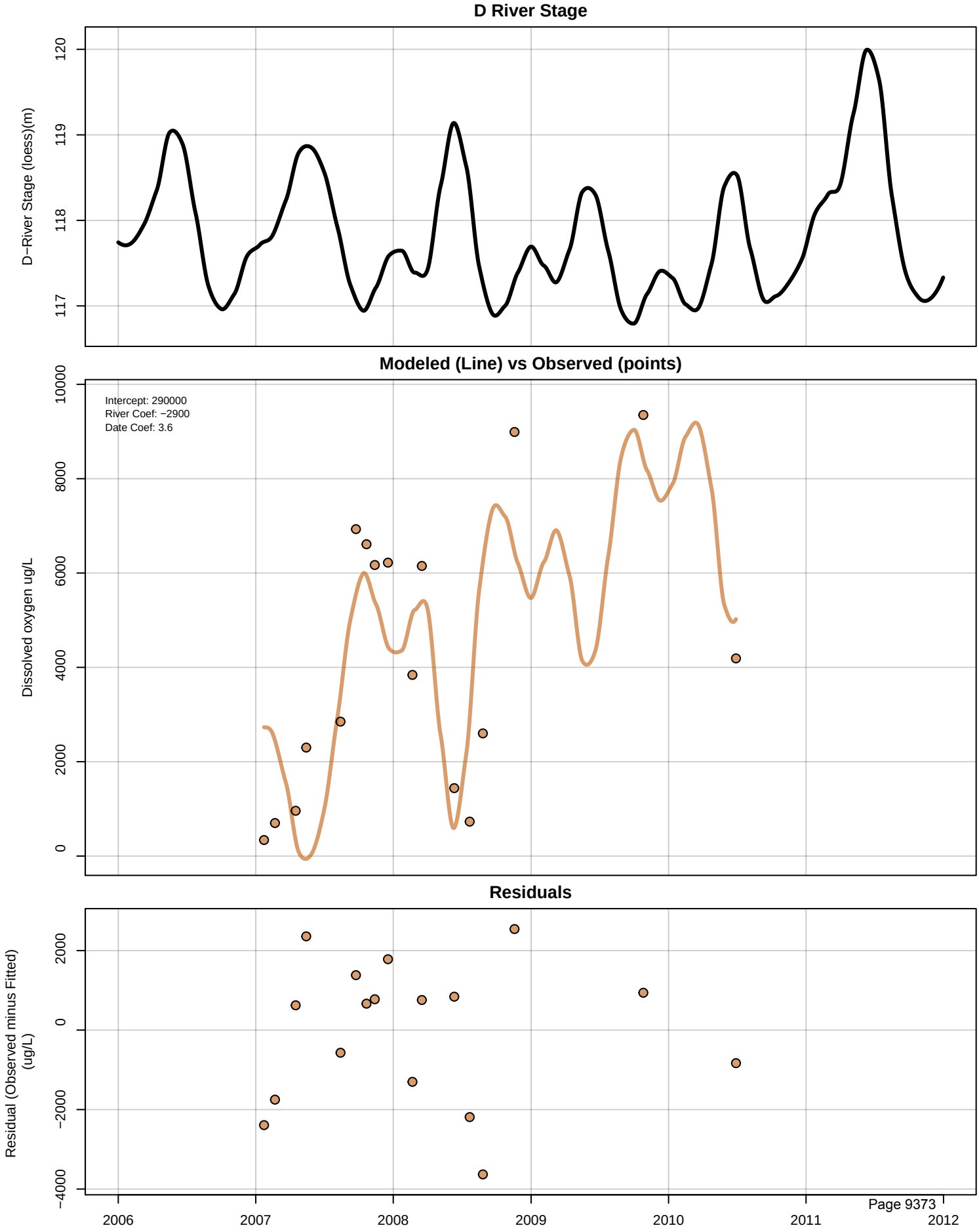
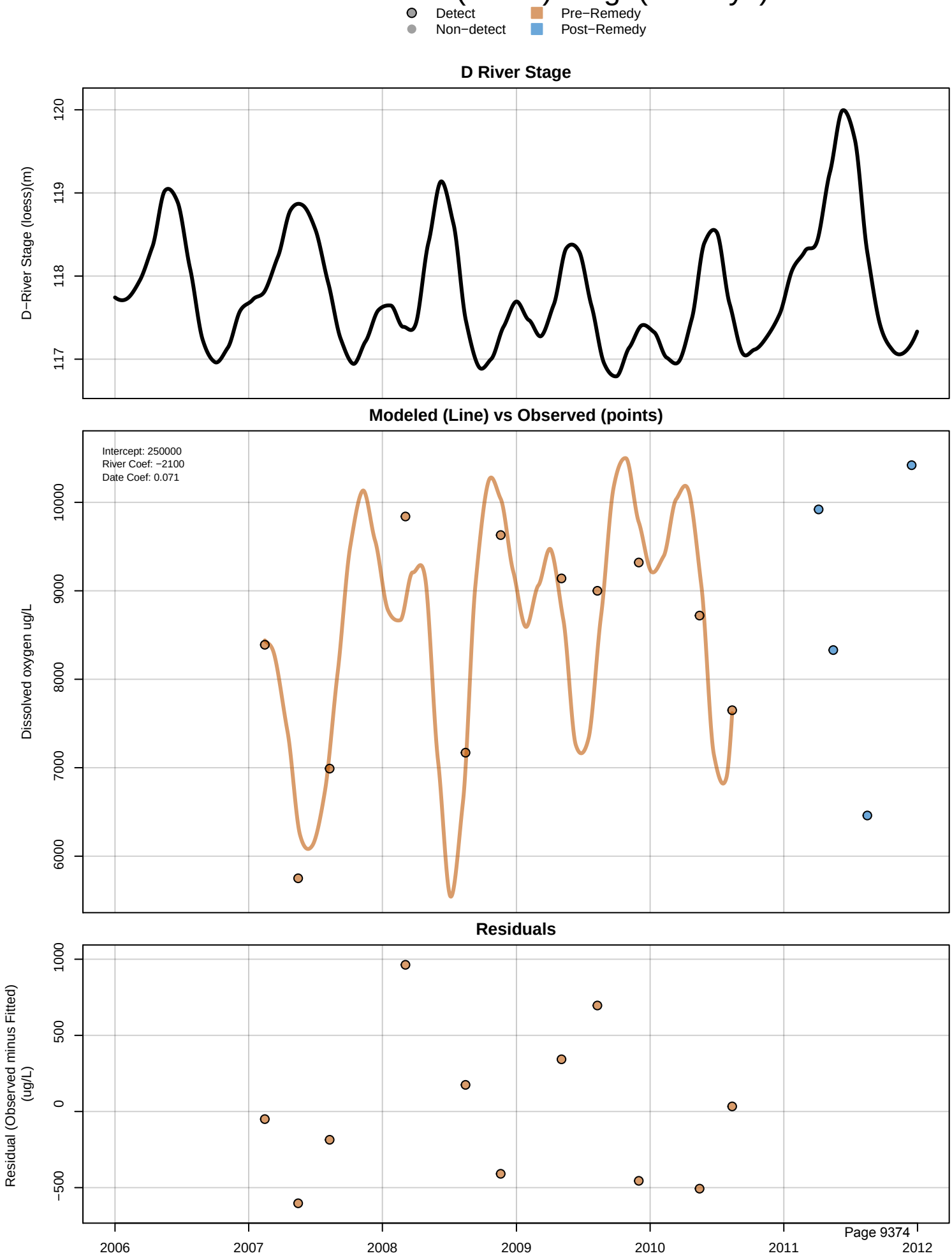
199−D4−2 (155m) Lag (Indeterminate)

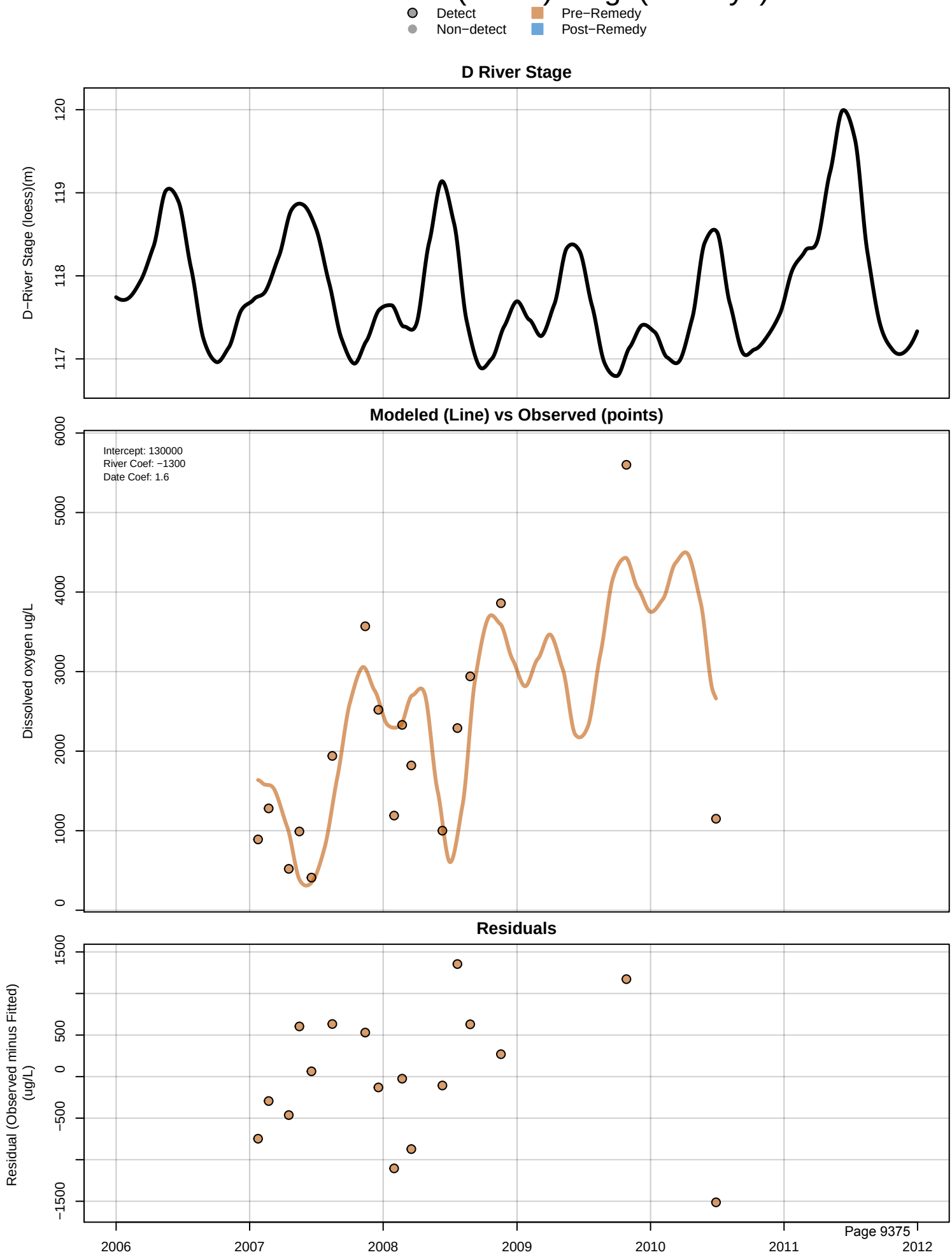
Detect
Non−detect
Pre−Remedy
Post−Remedy



199−D4−22 (170m) Lag (26 Days)

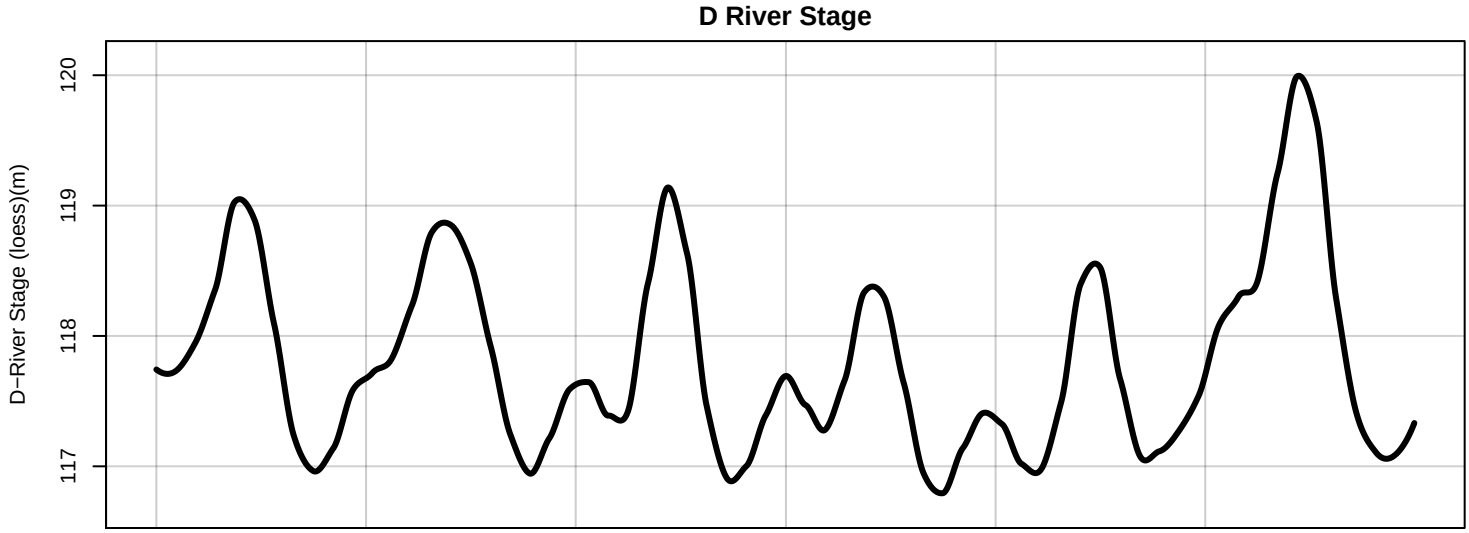


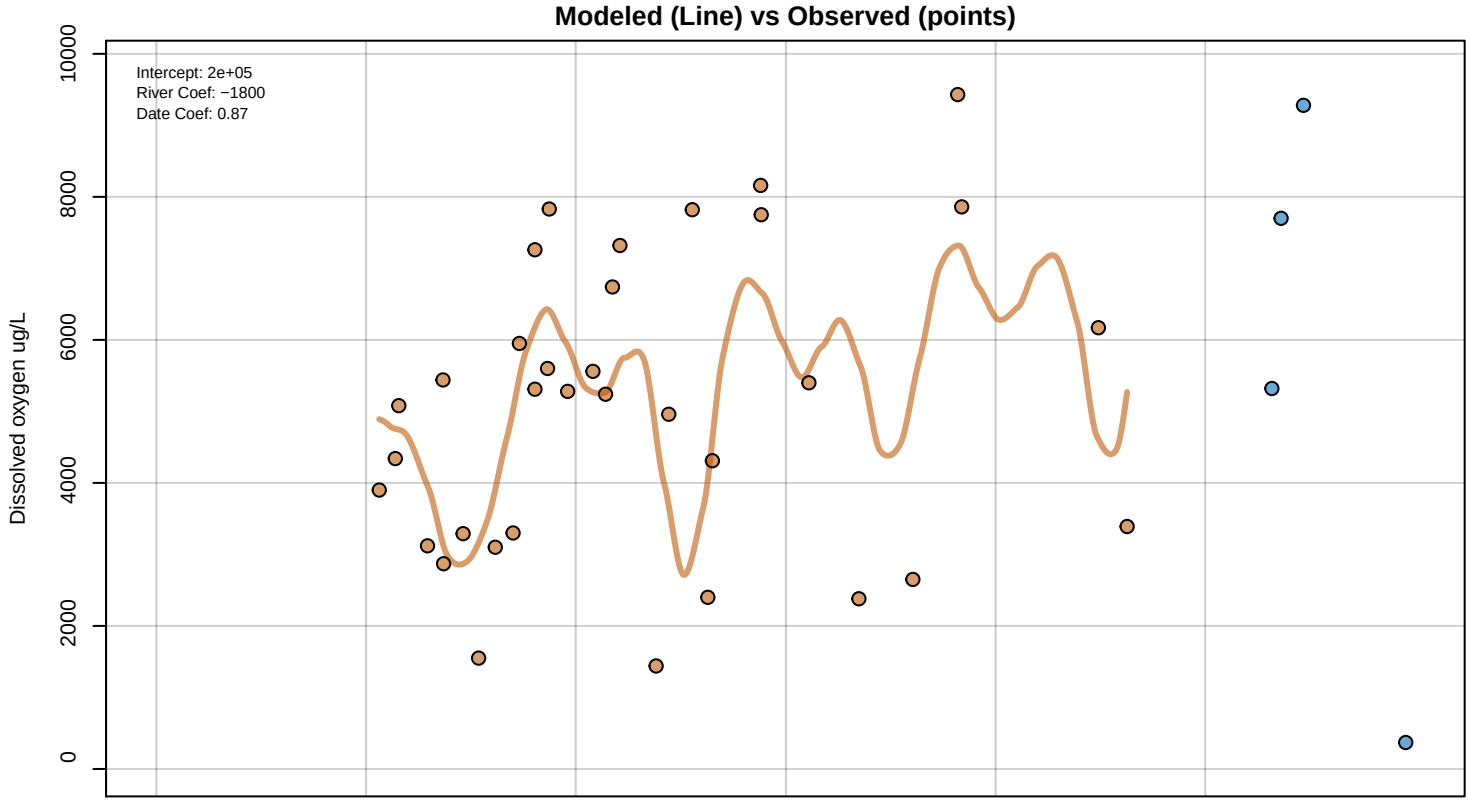
199−D4−27 (162m) Lag (23 Days)

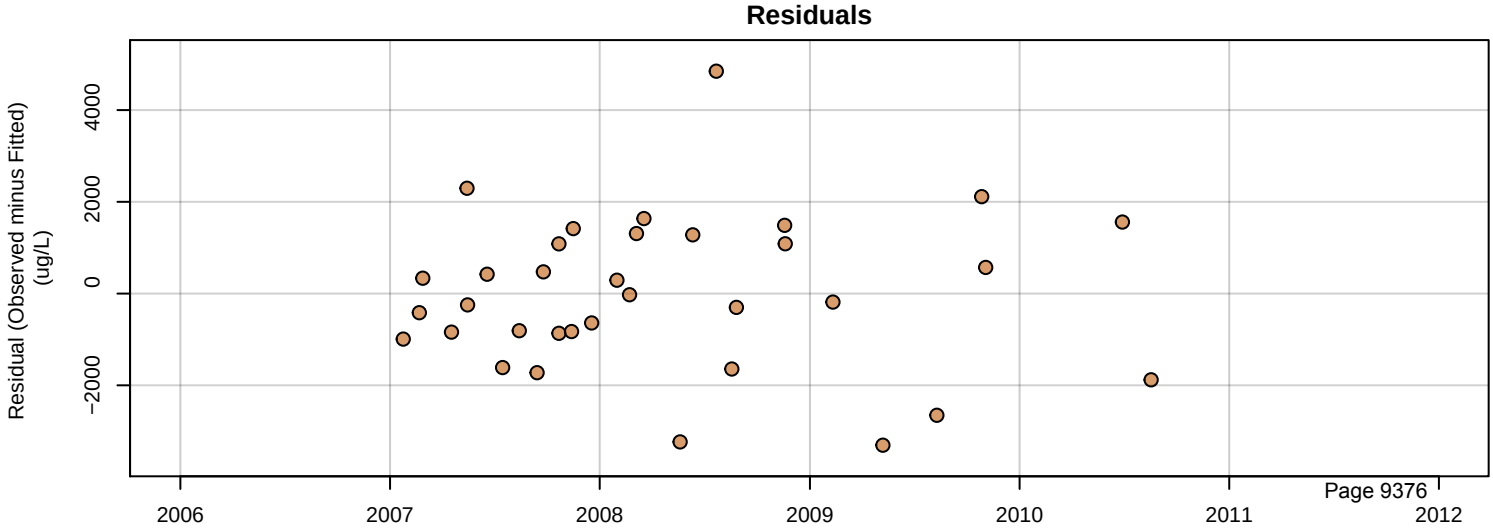


199−D4−31 (162m) Lag (28 Days)

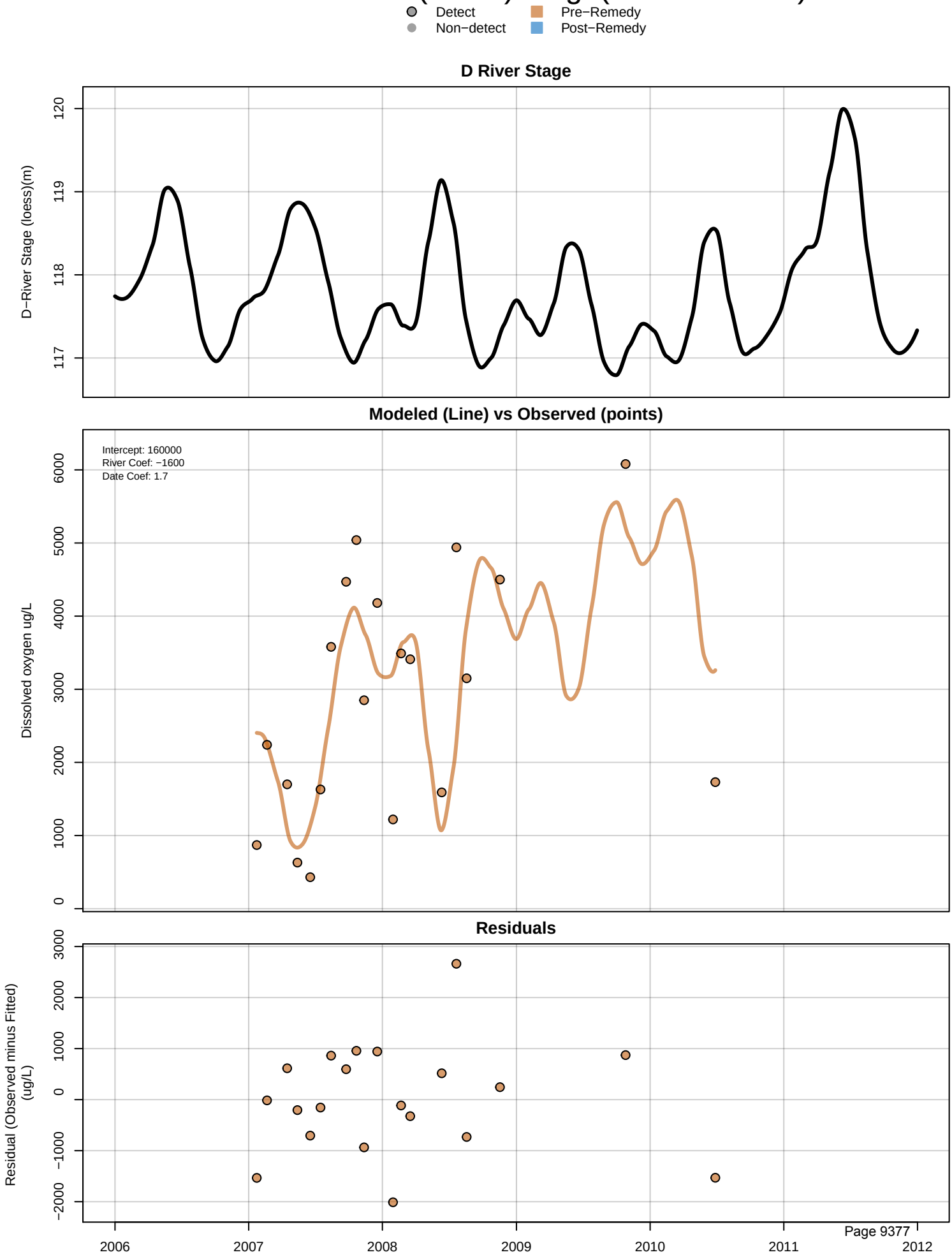
Detect
Non−detect
Pre−Remedy
Post−Remedy



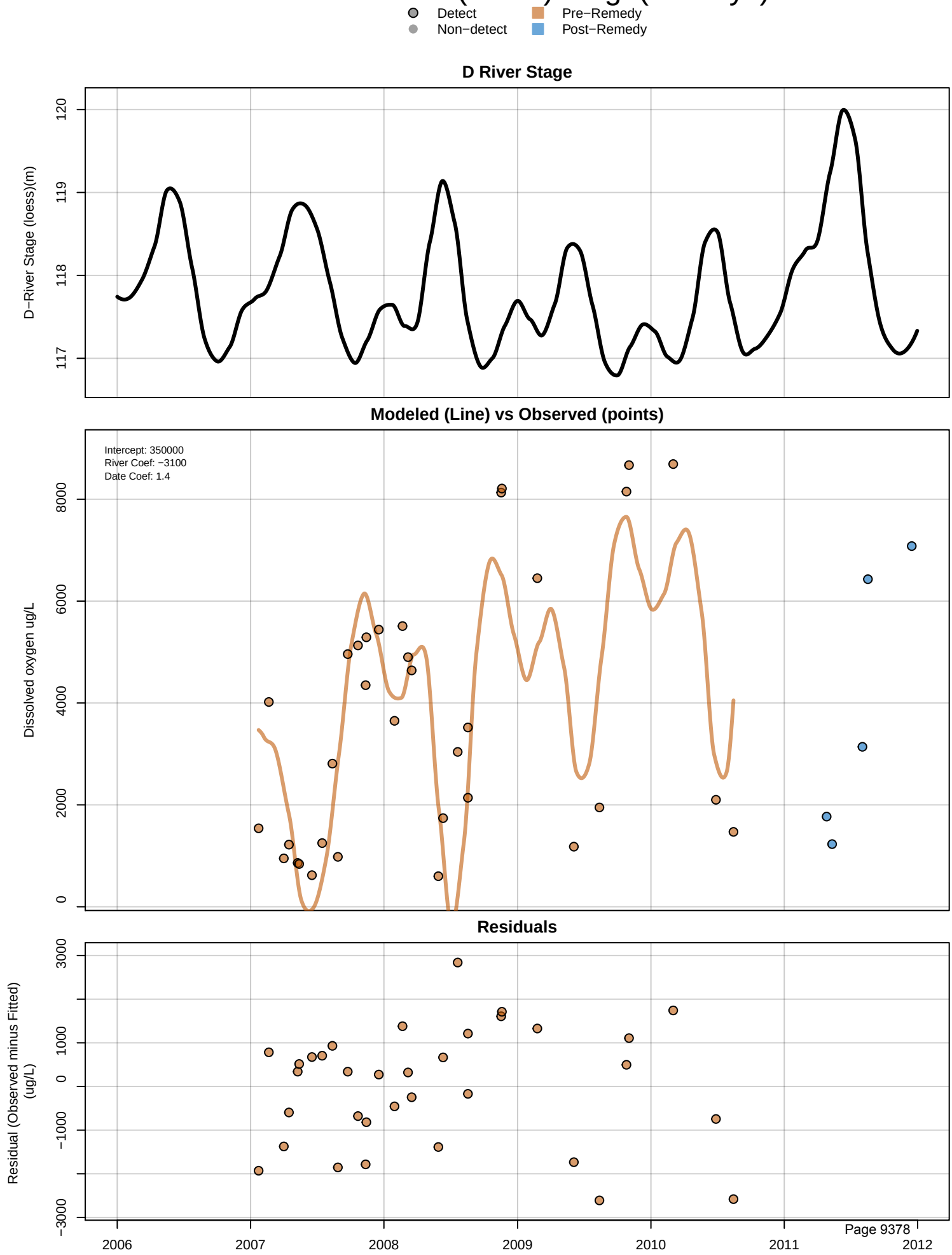




199−D4−34 (141m) Lag (Indeterminate)

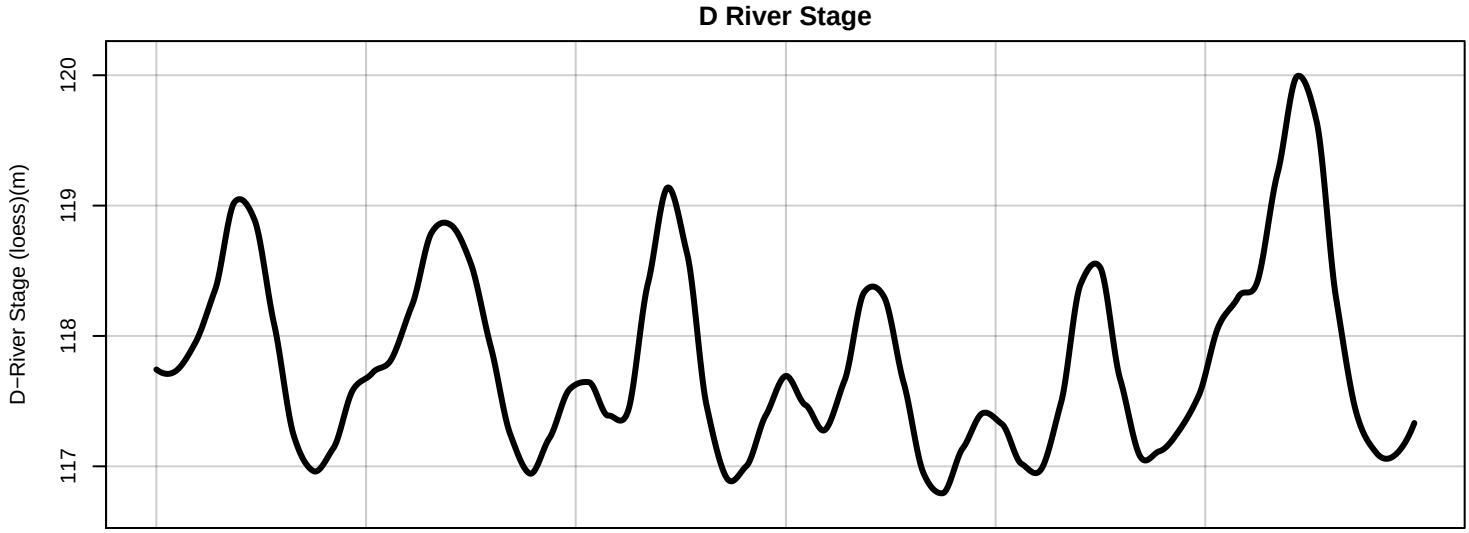


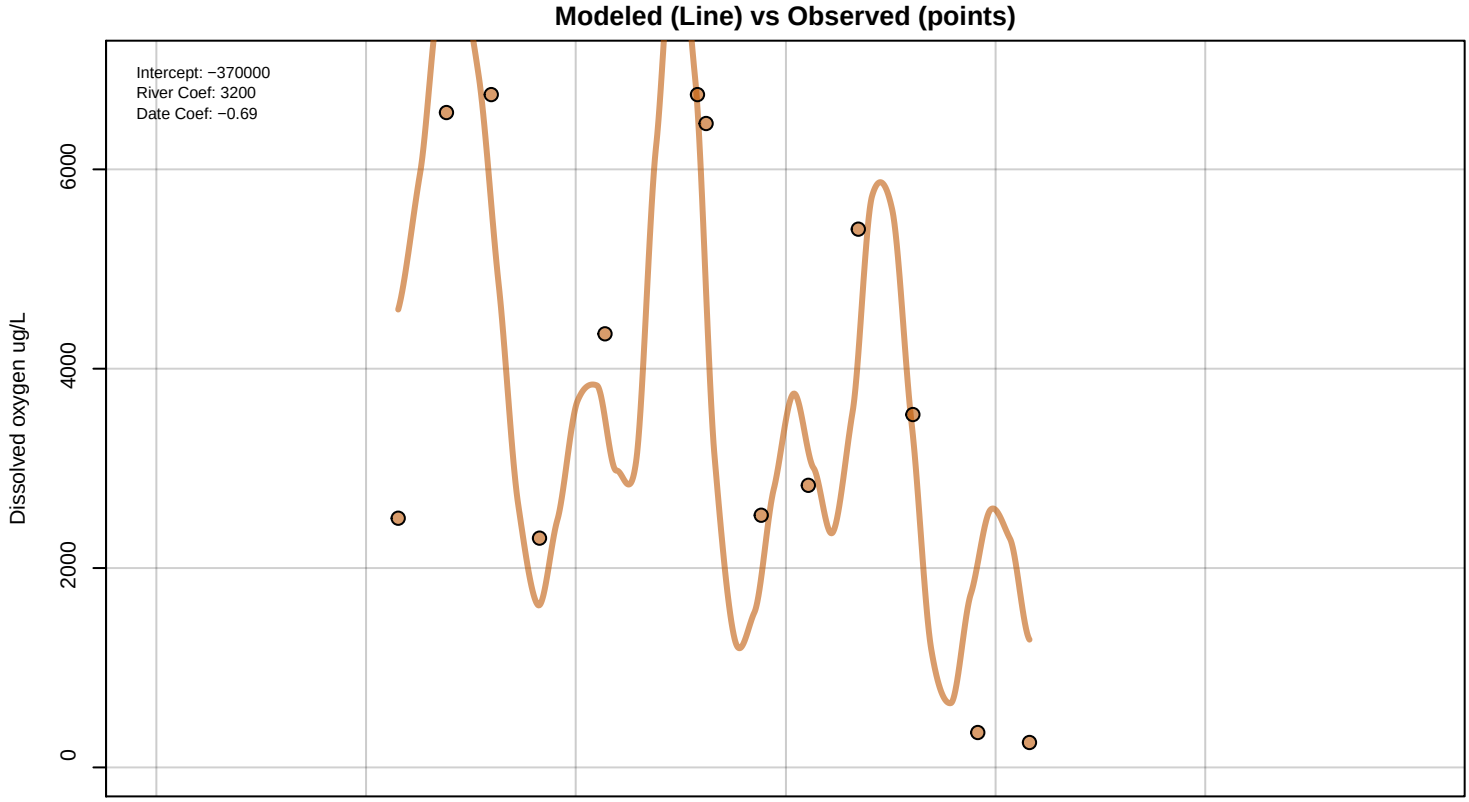
199−D4−36 (129m) Lag (25 Days)

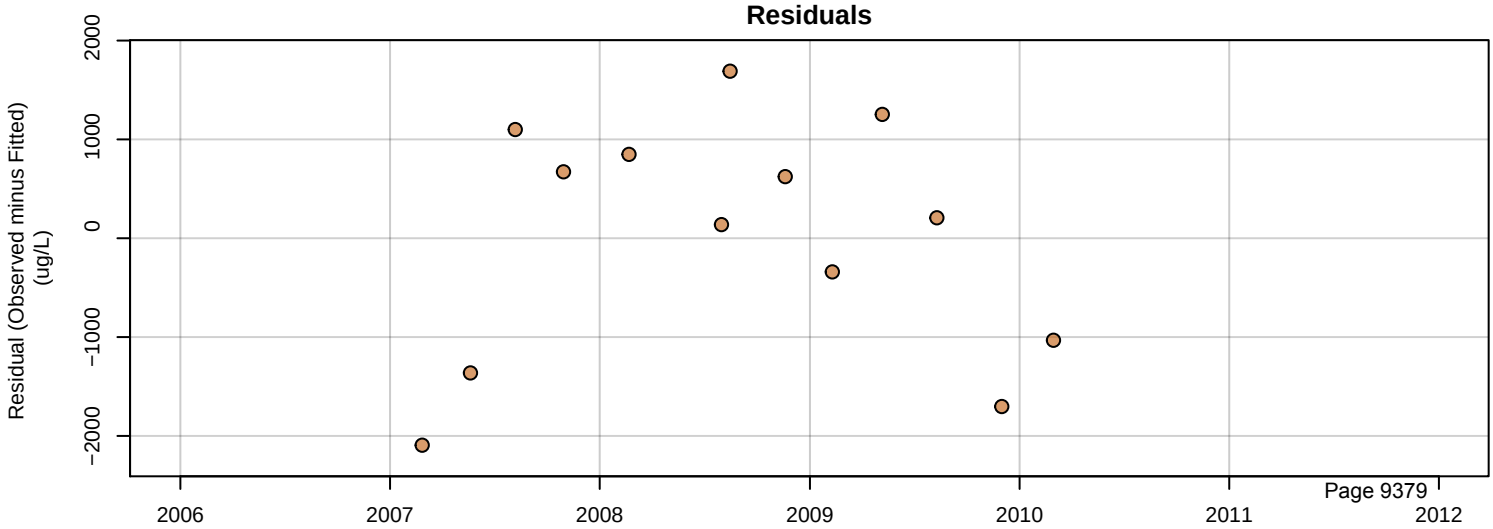


199−D4−38* (93m) Lag (14 Days)

Detect
Non−detect
Pre−Remedy
Post−Remedy

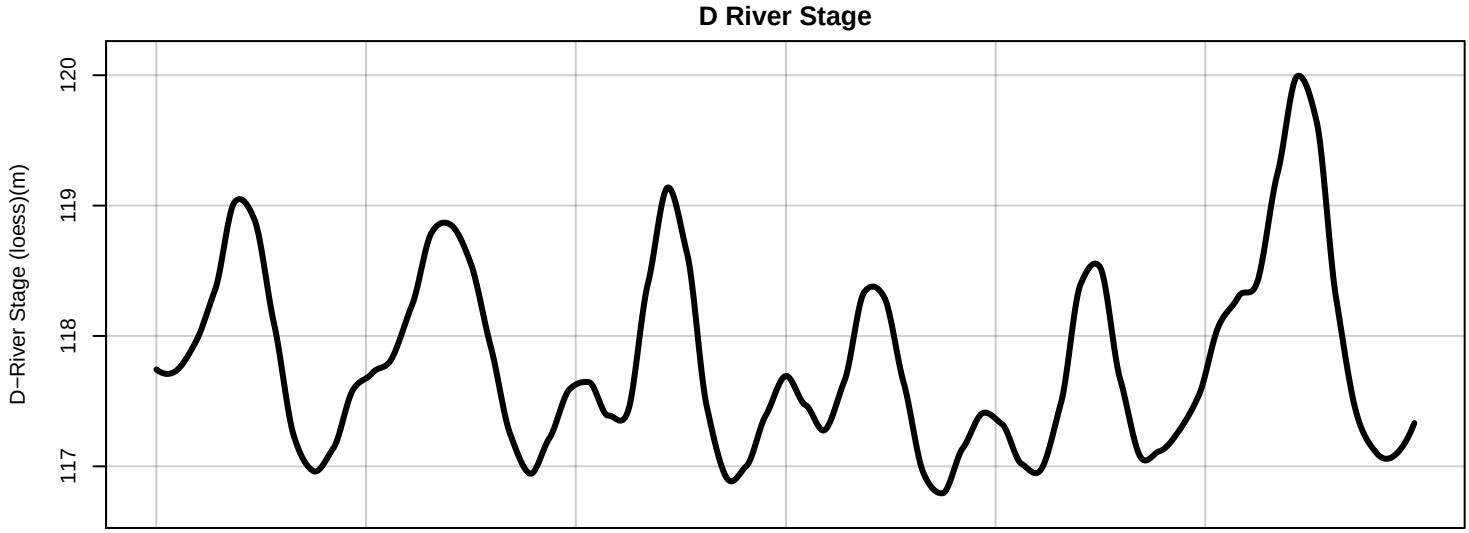


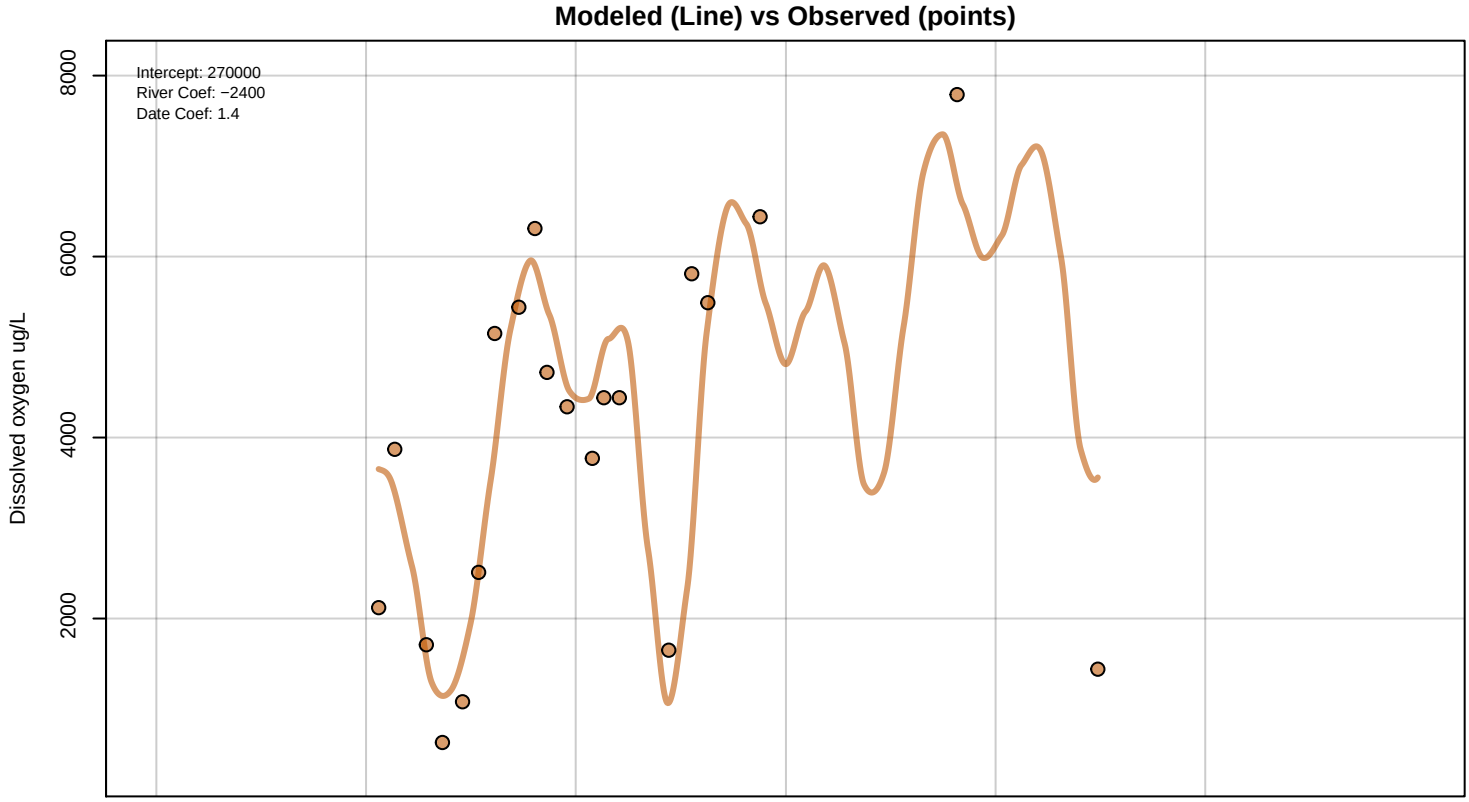


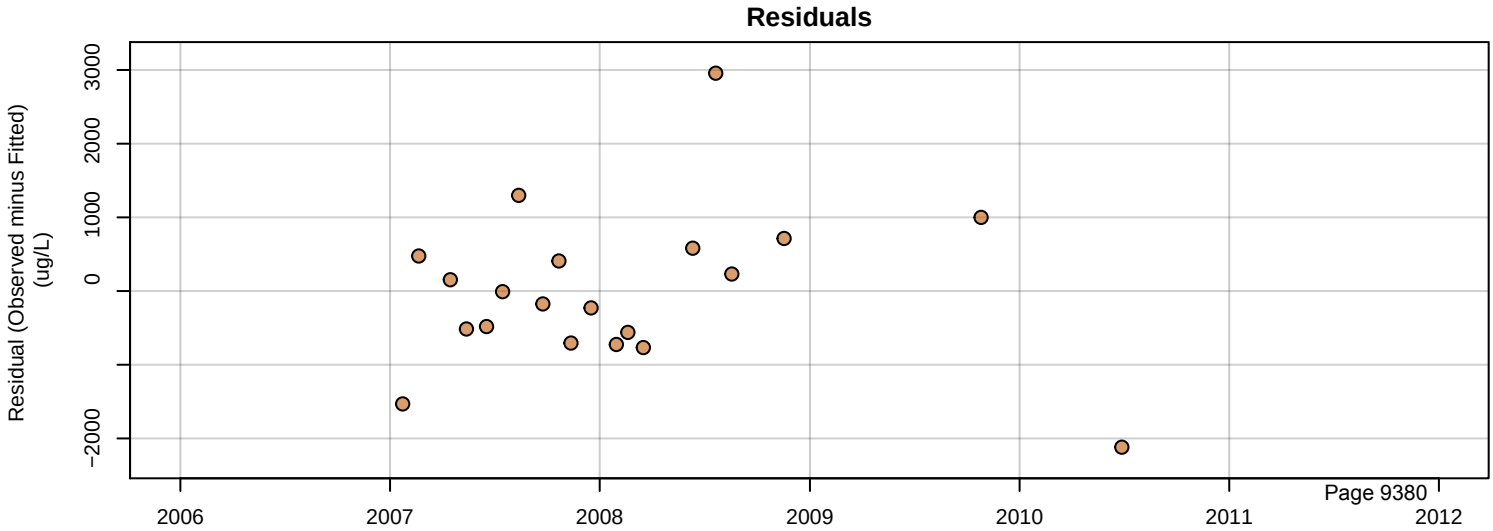


199−D4−41 (111m) Lag (Indeterminate)

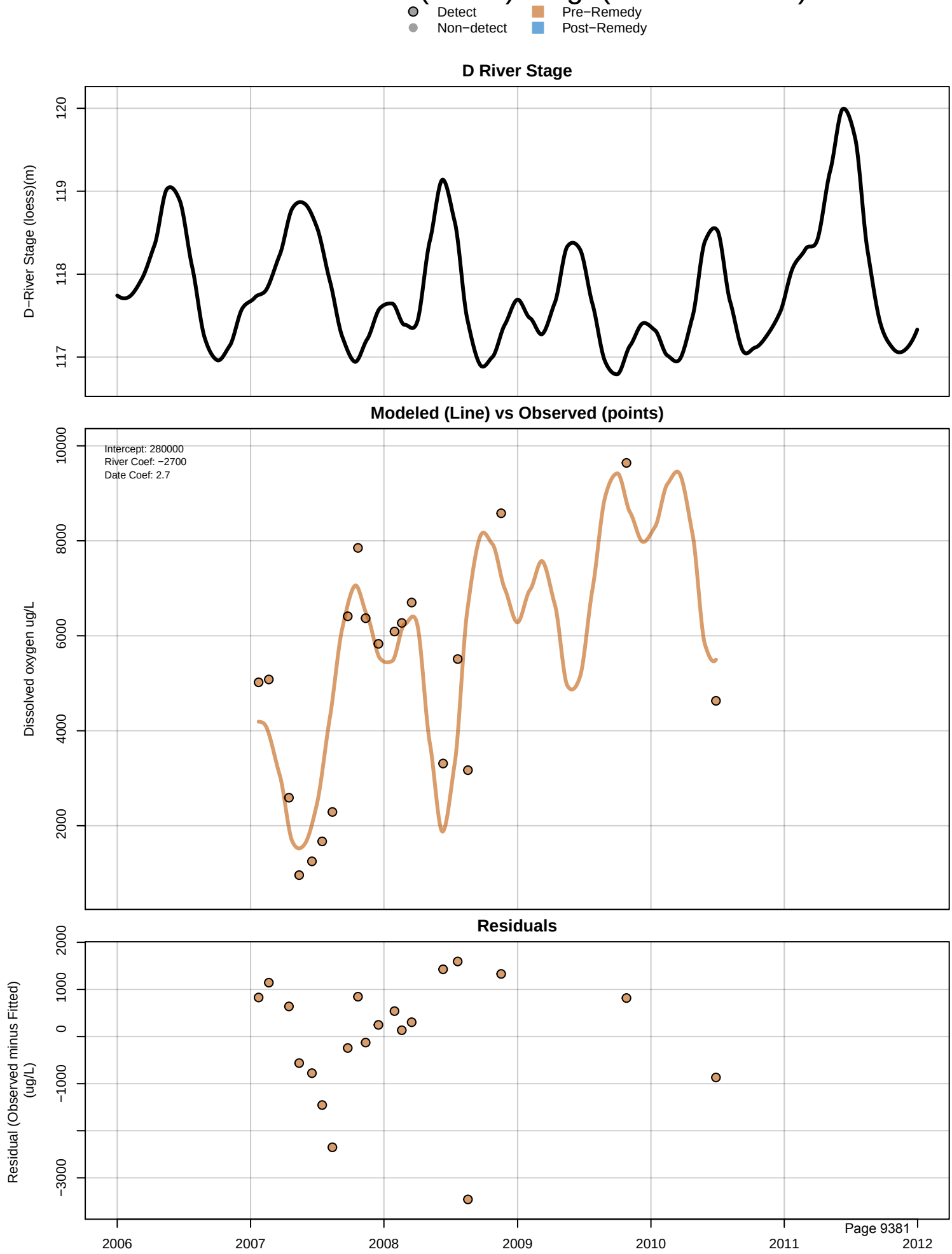
Detect
Non−detect
Pre−Remedy
Post−Remedy





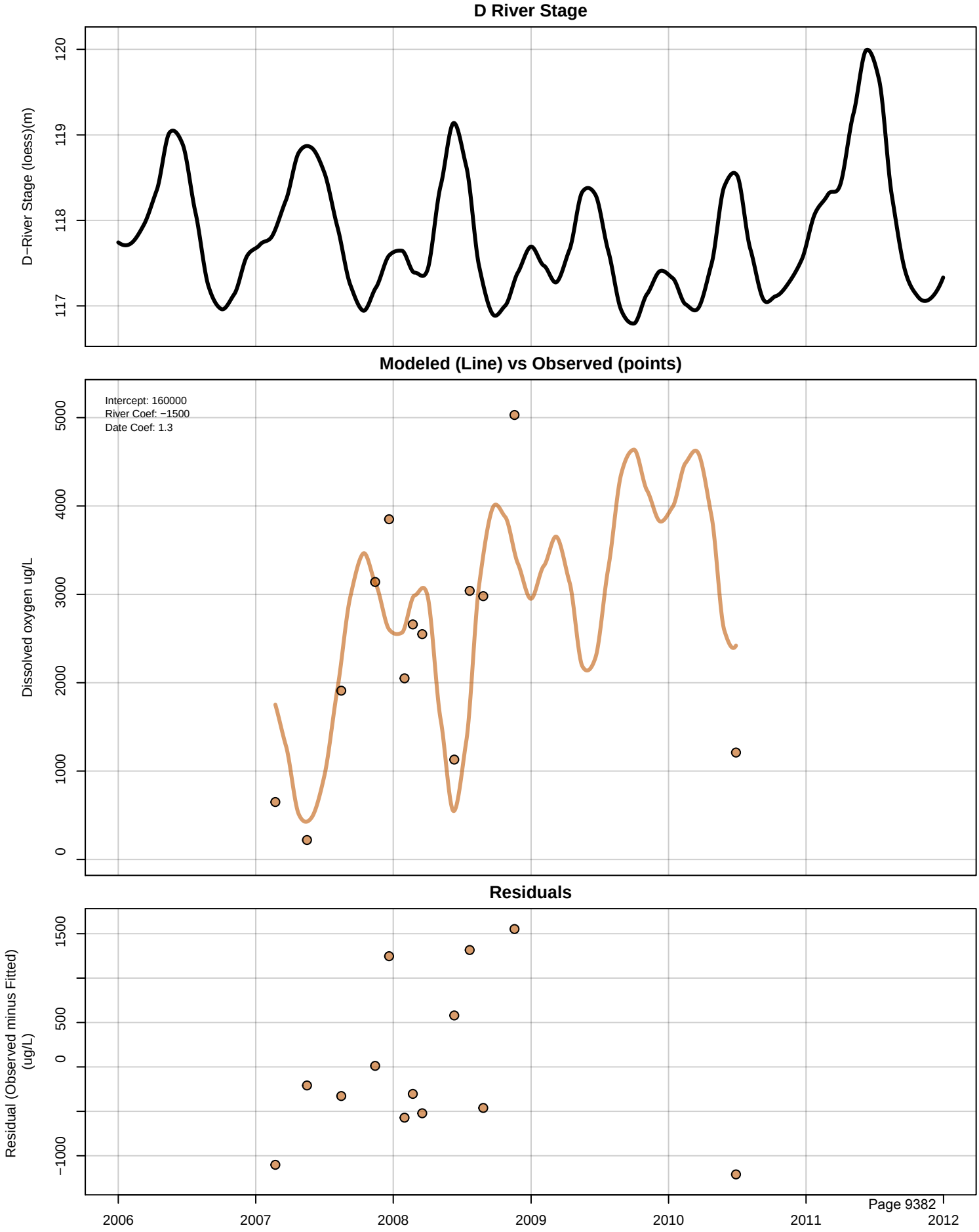


199−D4−42 (112m) Lag (Indeterminate)

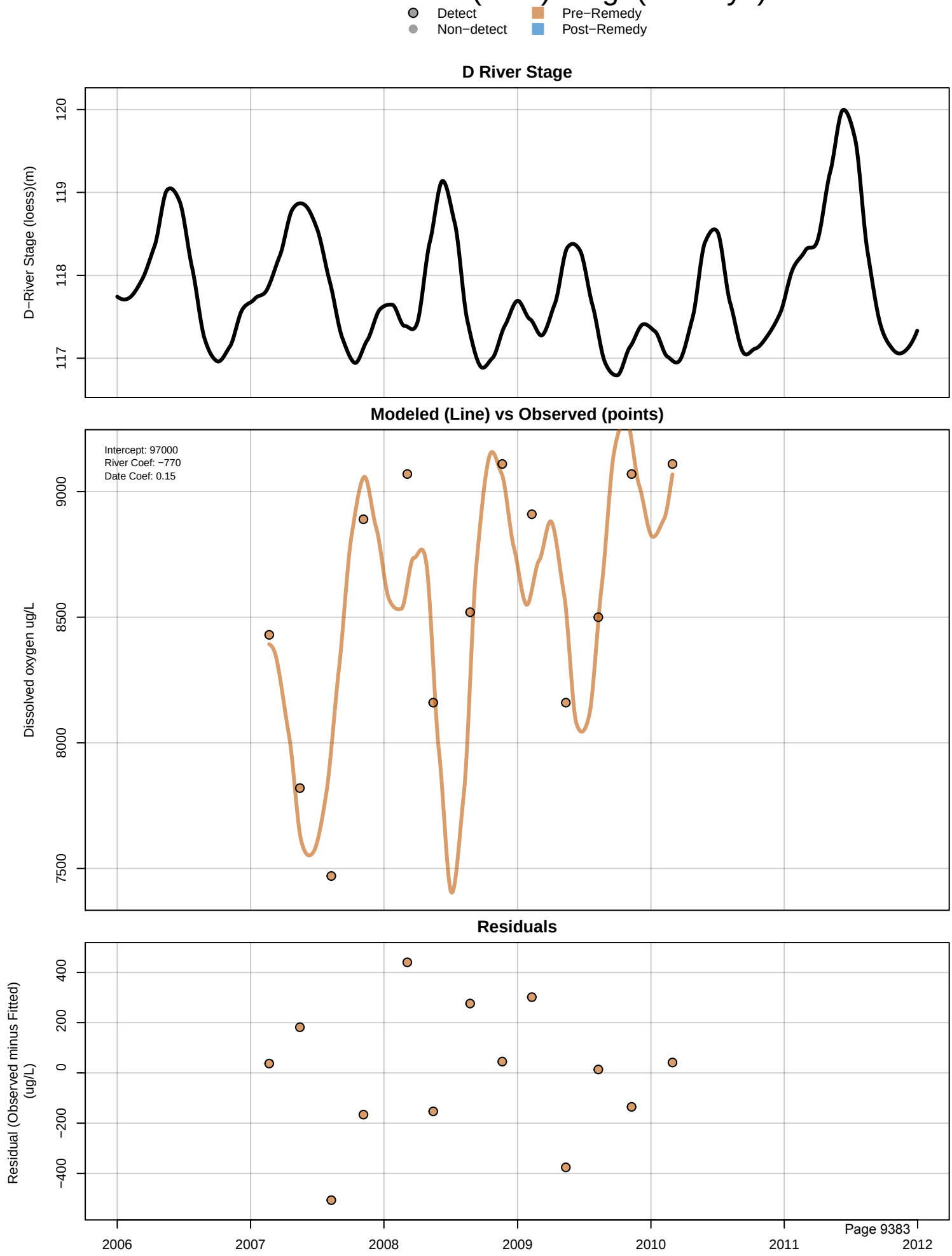


199−D4−56 (171m) Lag (Indeterminate)

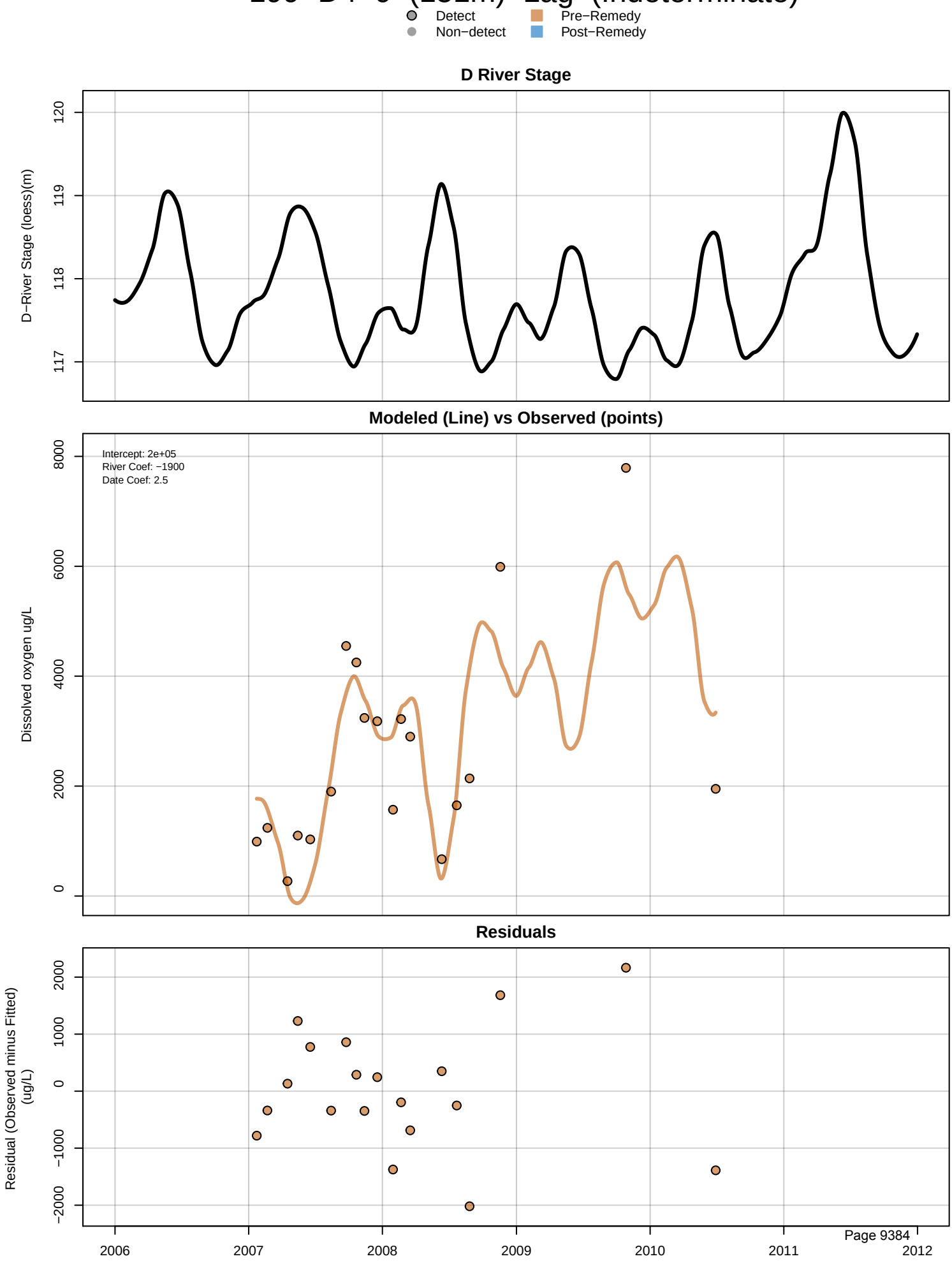
Detect
Non−detect
Pre−Remedy
Post−Remedy



199−D4−83* (62m) Lag (25 Days)

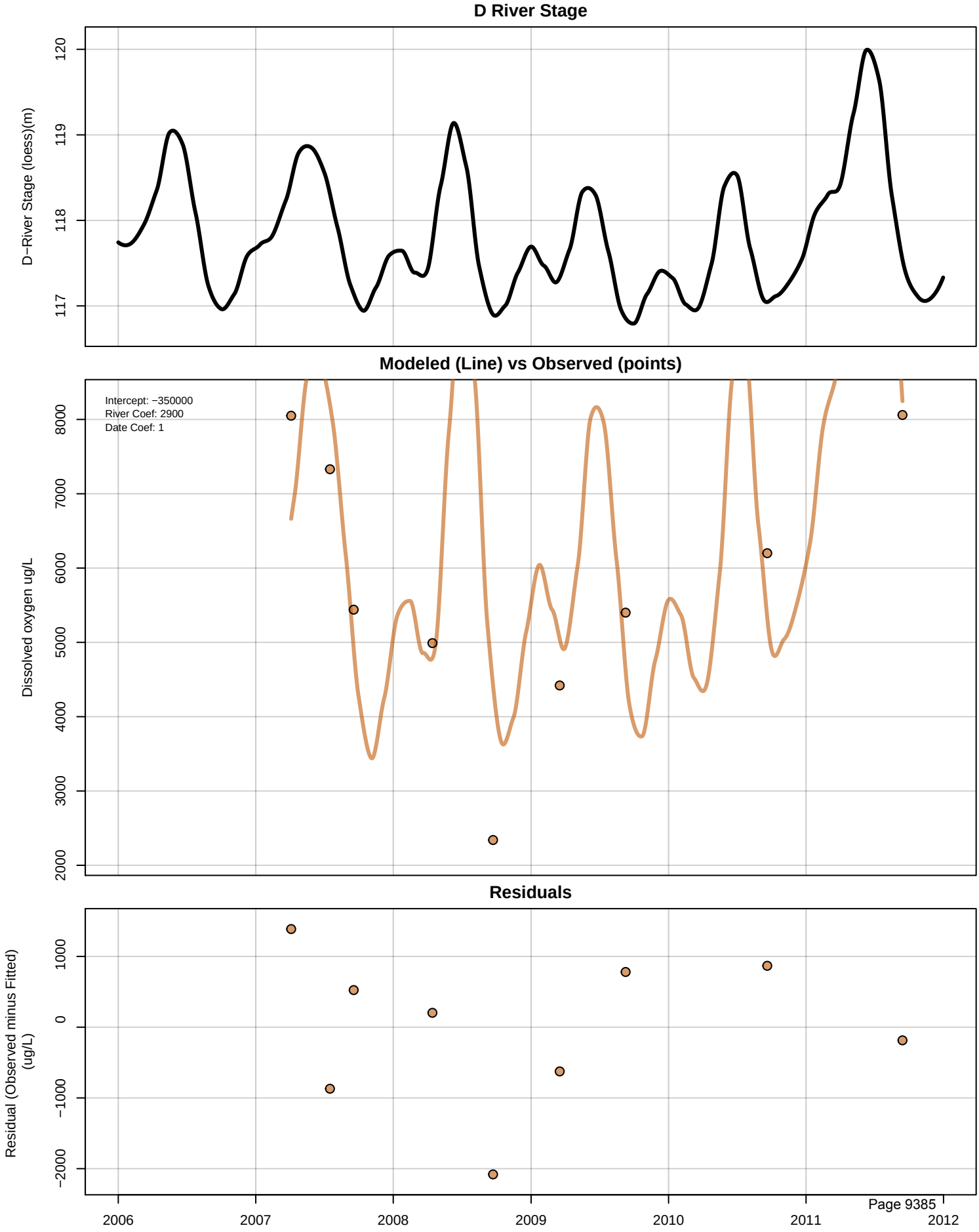


199−D4−9 (151m) Lag (Indeterminate)

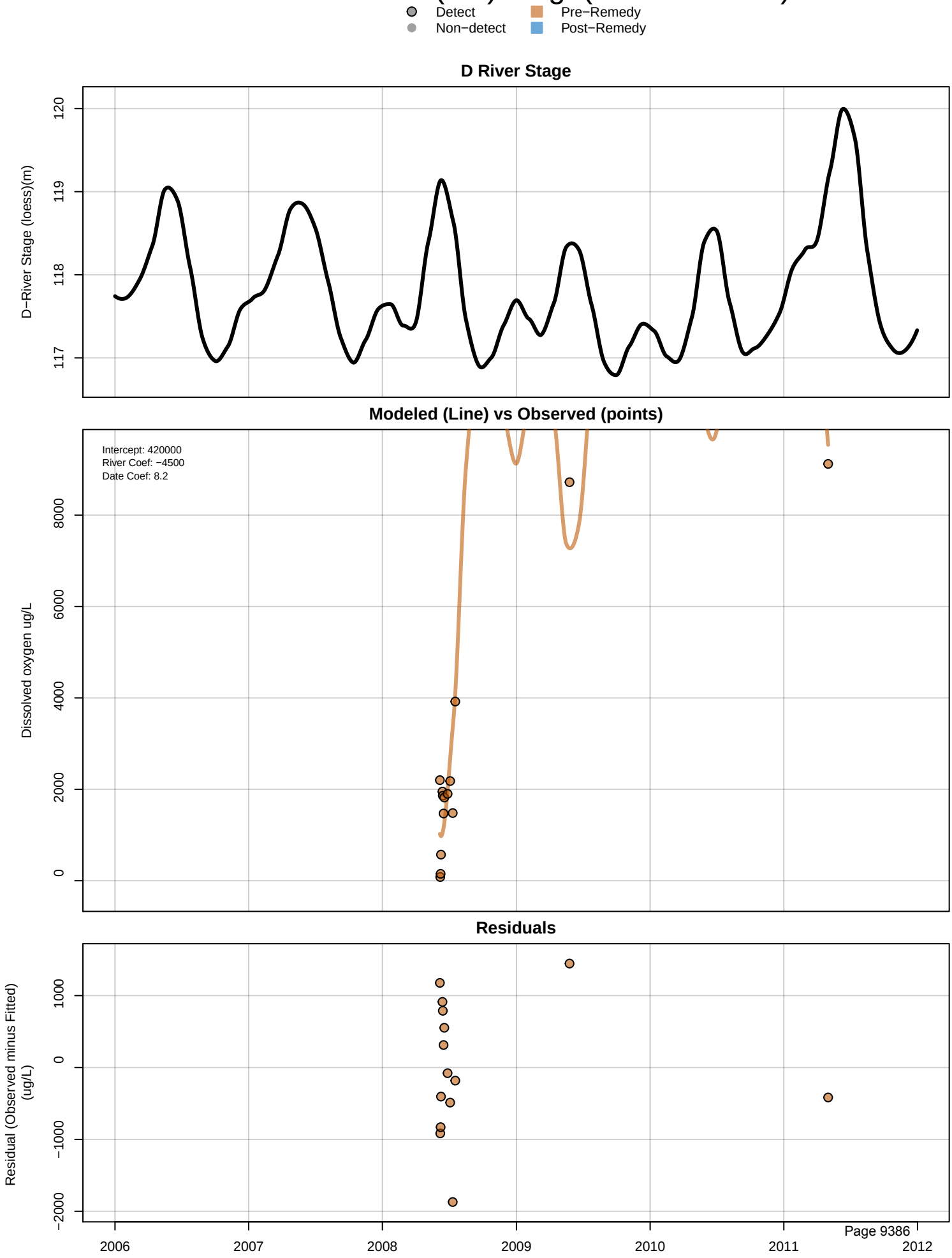


199−N−103A (95m) Lag (22 Days)

Detect
Non−detect
Pre−Remedy
Post−Remedy

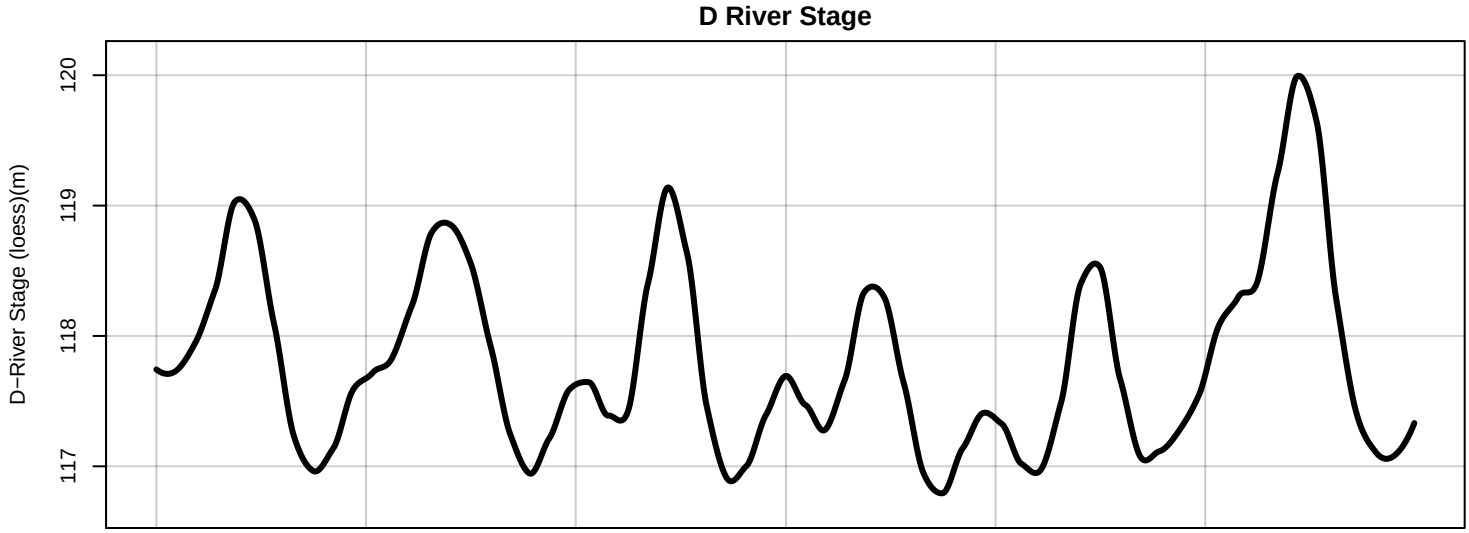


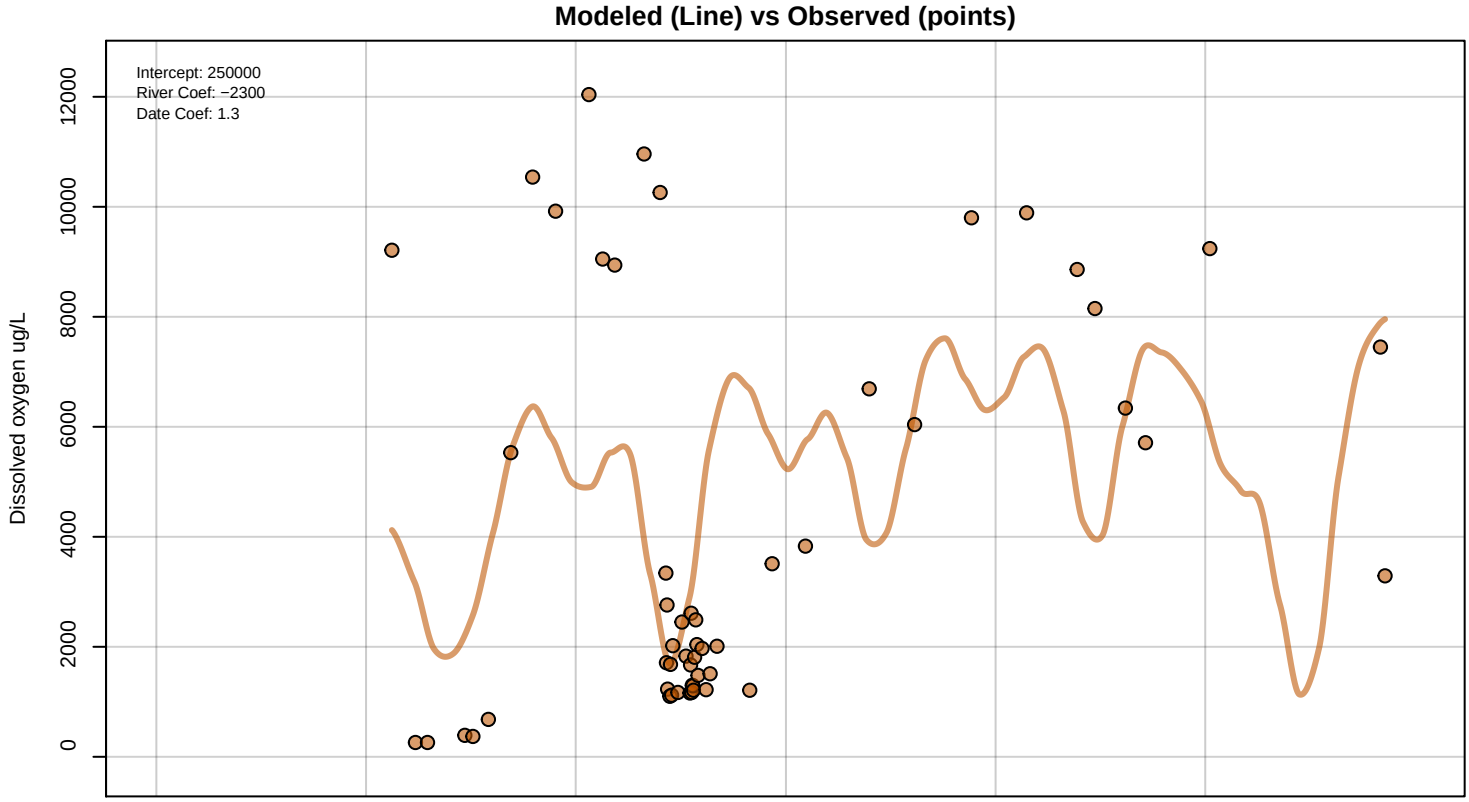
199−N−129 (9m) Lag (Indeterminate)

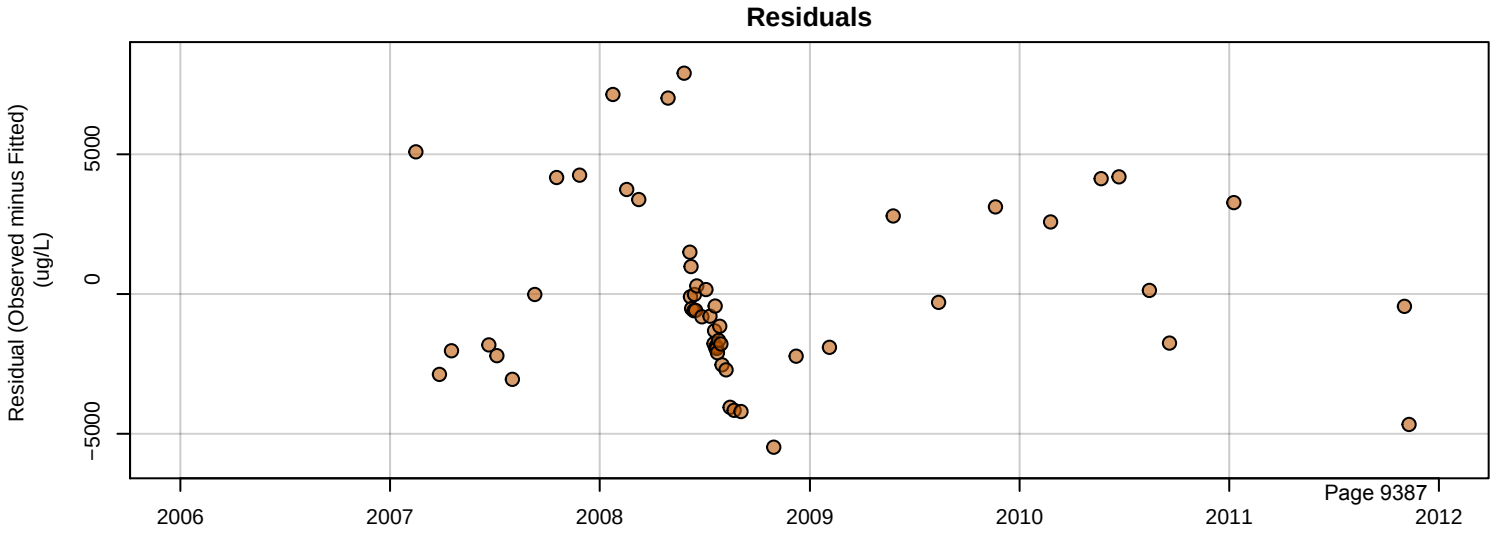


199−N−147 (5m) Lag (4 Days)

Detect
Non−detect
Pre−Remedy
Post−Remedy

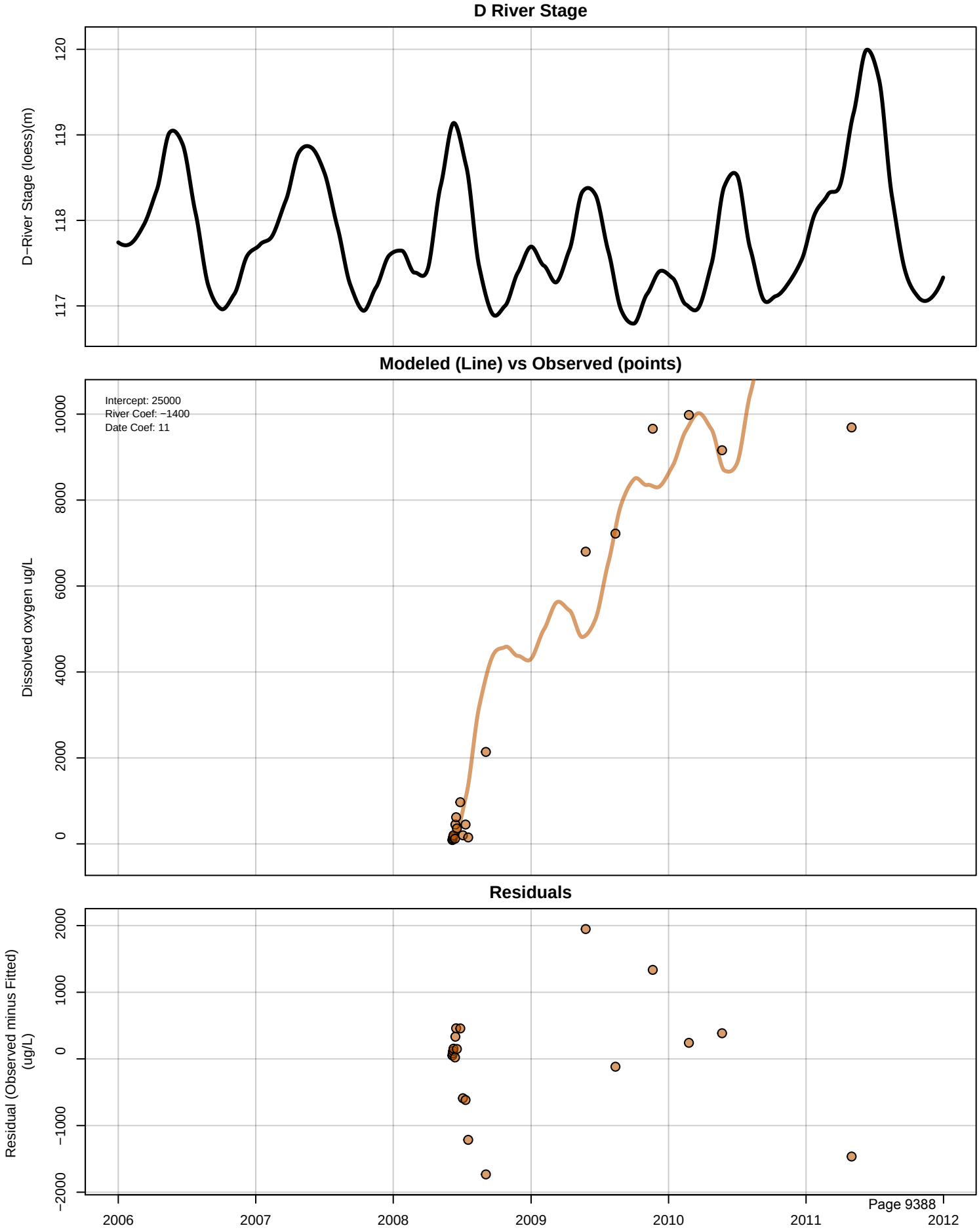






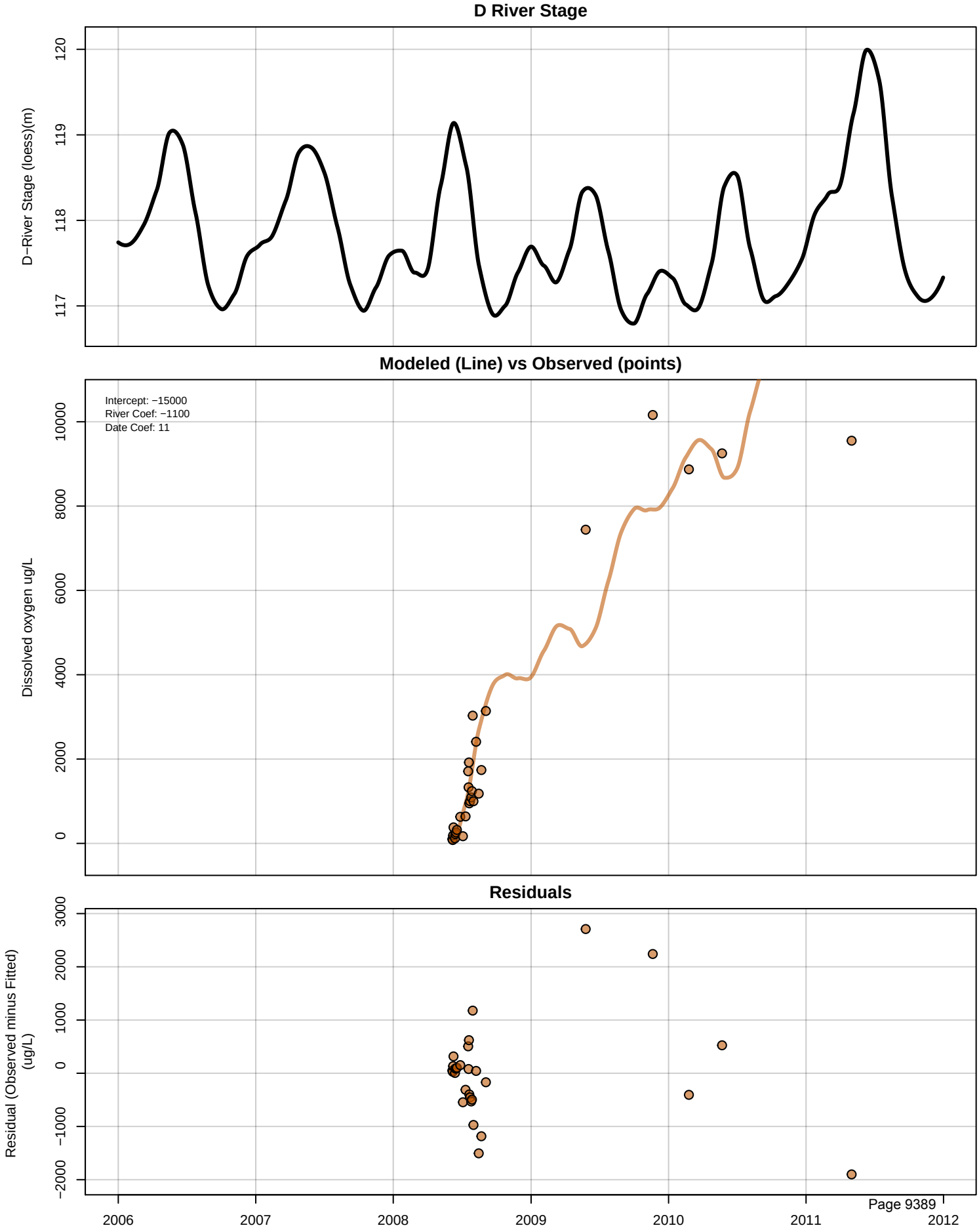
199−N−149 (4m) Lag (Indeterminate)

Detect
Non−detect
Pre−Remedy
Post−Remedy



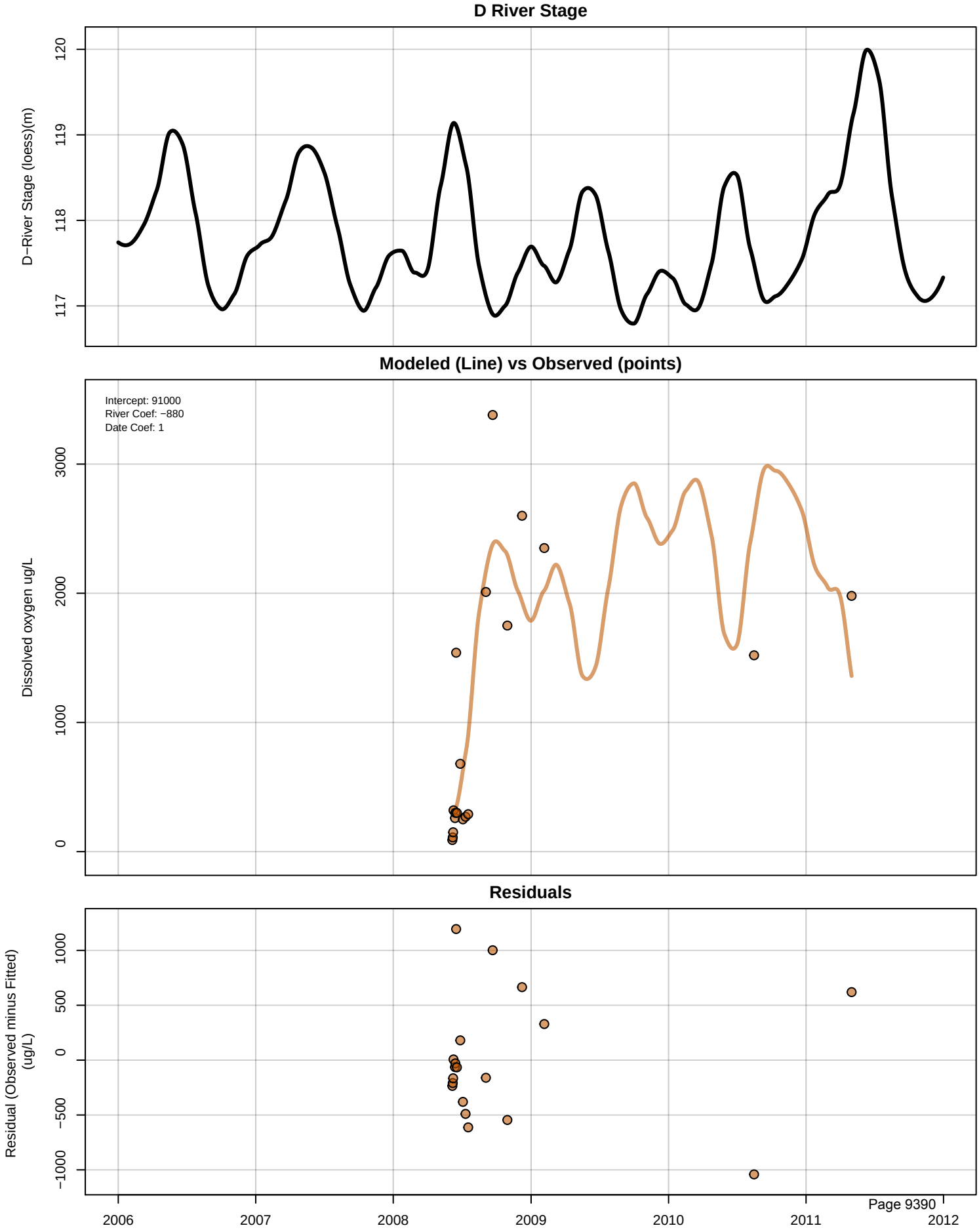
199−N−150 (6m) Lag (Indeterminate)

Detect
Non−detect
Pre−Remedy
Post−Remedy



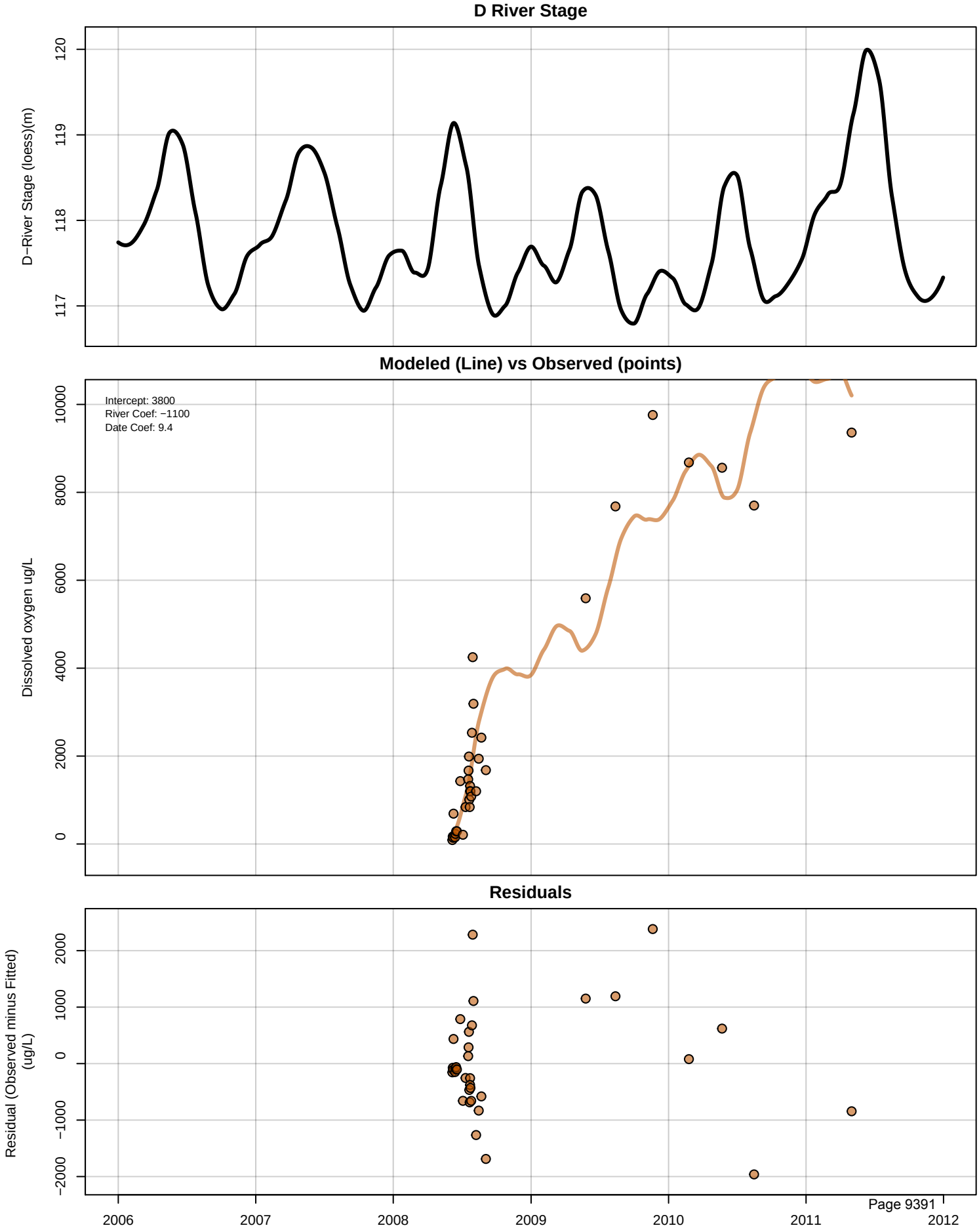
199−N−154 (9m) Lag (Indeterminate)

Detect
Non−detect
Pre−Remedy
Post−Remedy



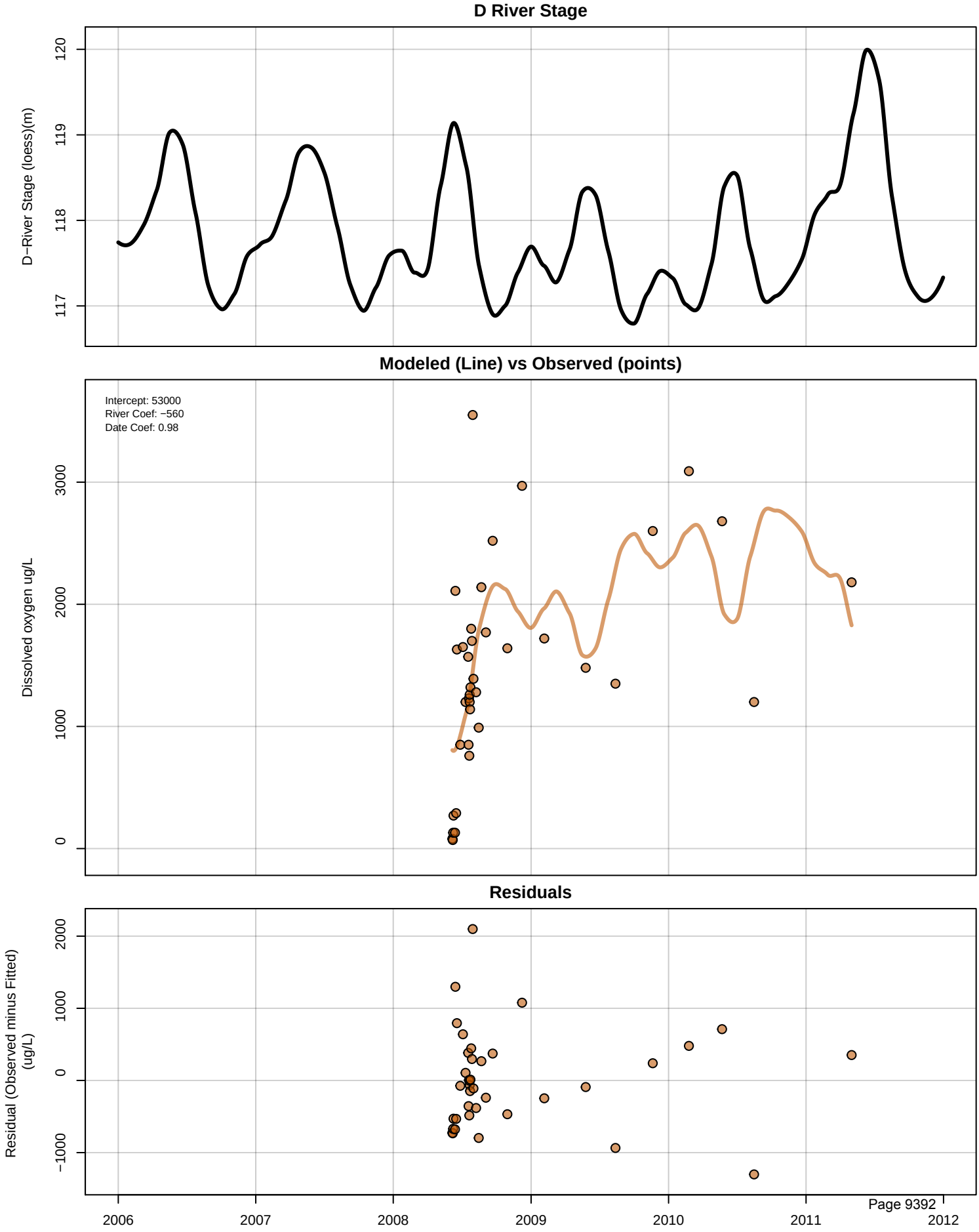
199−N−155 (8m) Lag (Indeterminate)

Detect
Non−detect
Pre−Remedy
Post−Remedy



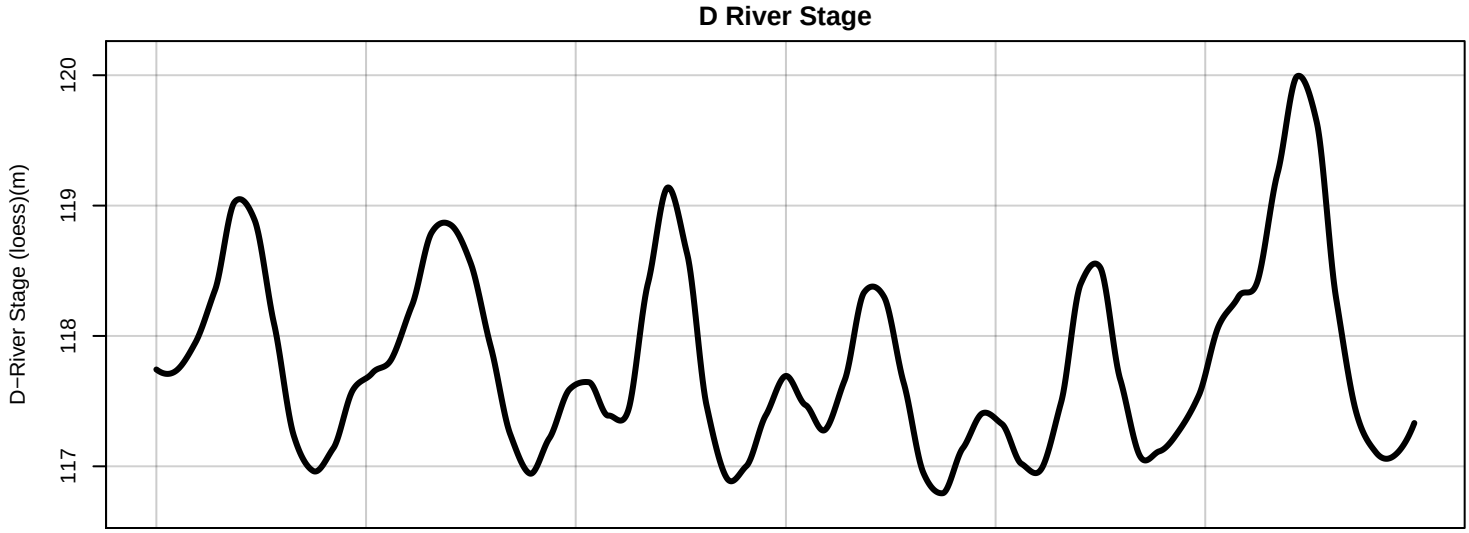
199−N−156 (9m) Lag (Indeterminate)

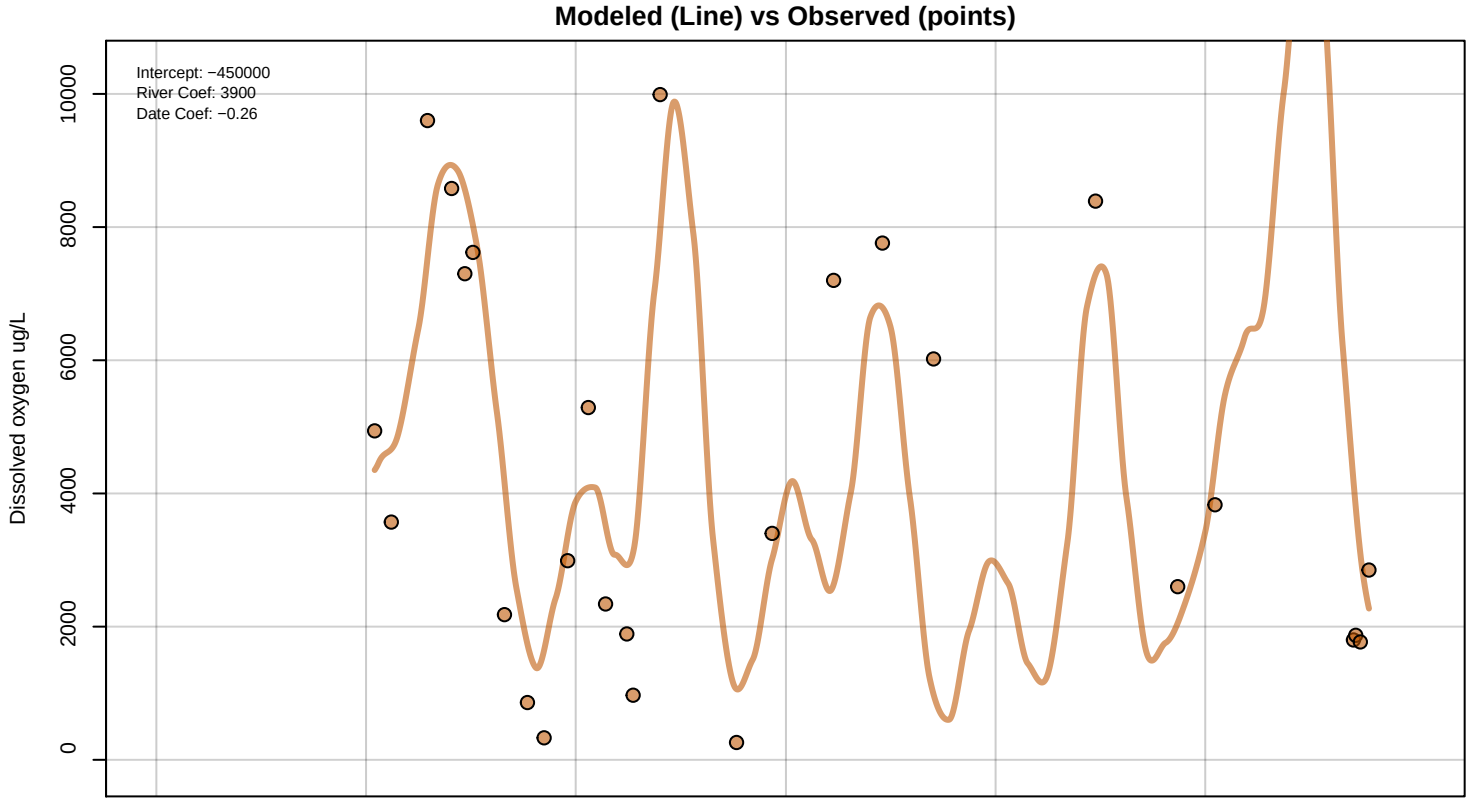
Detect
Non−detect
Pre−Remedy
Post−Remedy

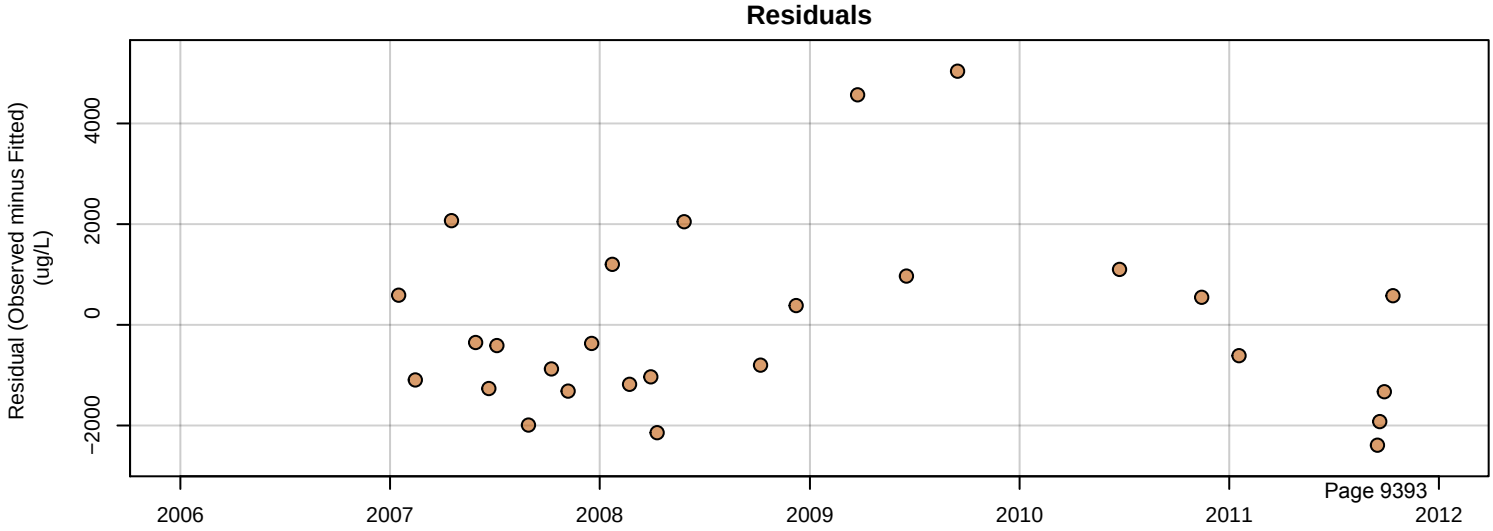


199−N−96A (5m) Lag (11 Days)

Detect
Non−detect
Pre−Remedy
Post−Remedy

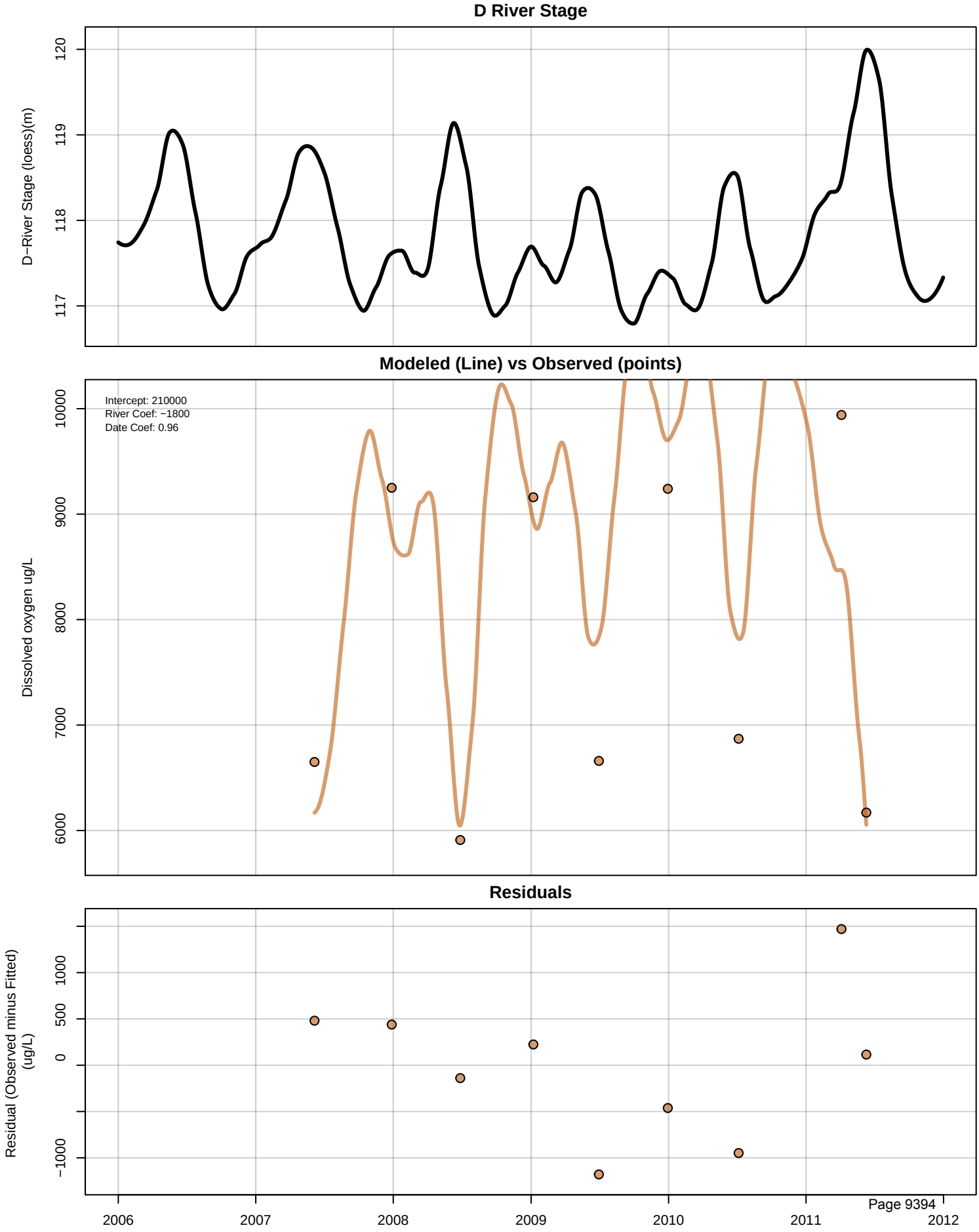






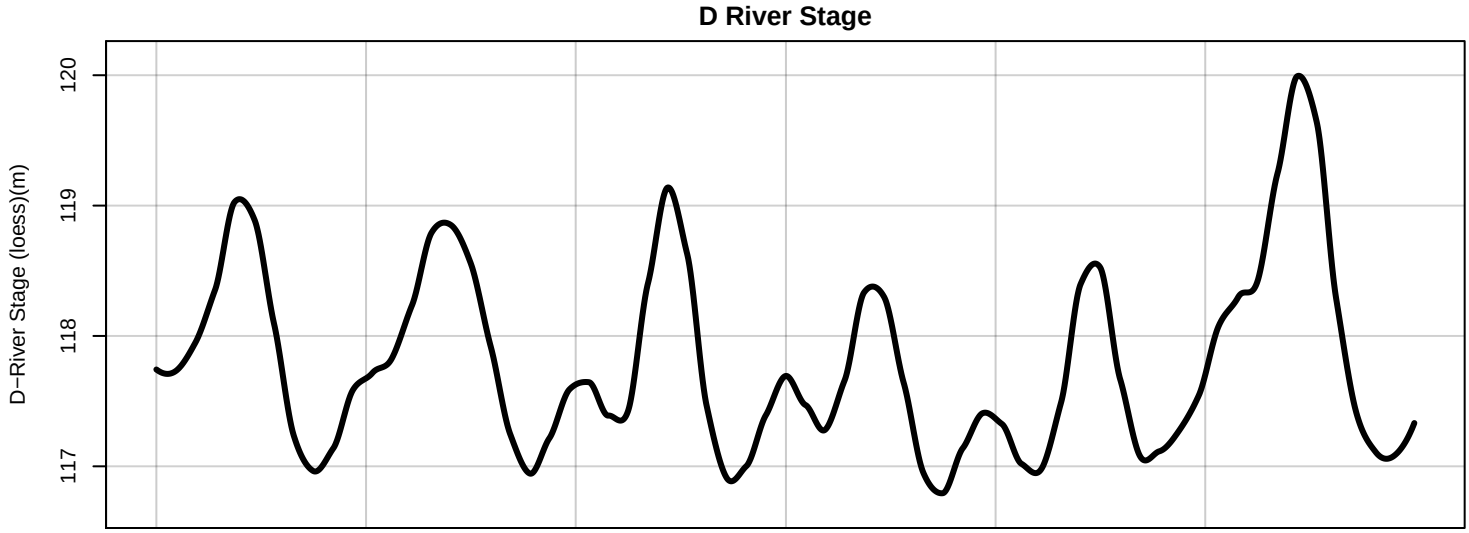
399−1−1 (50m) Lag (16 Days)

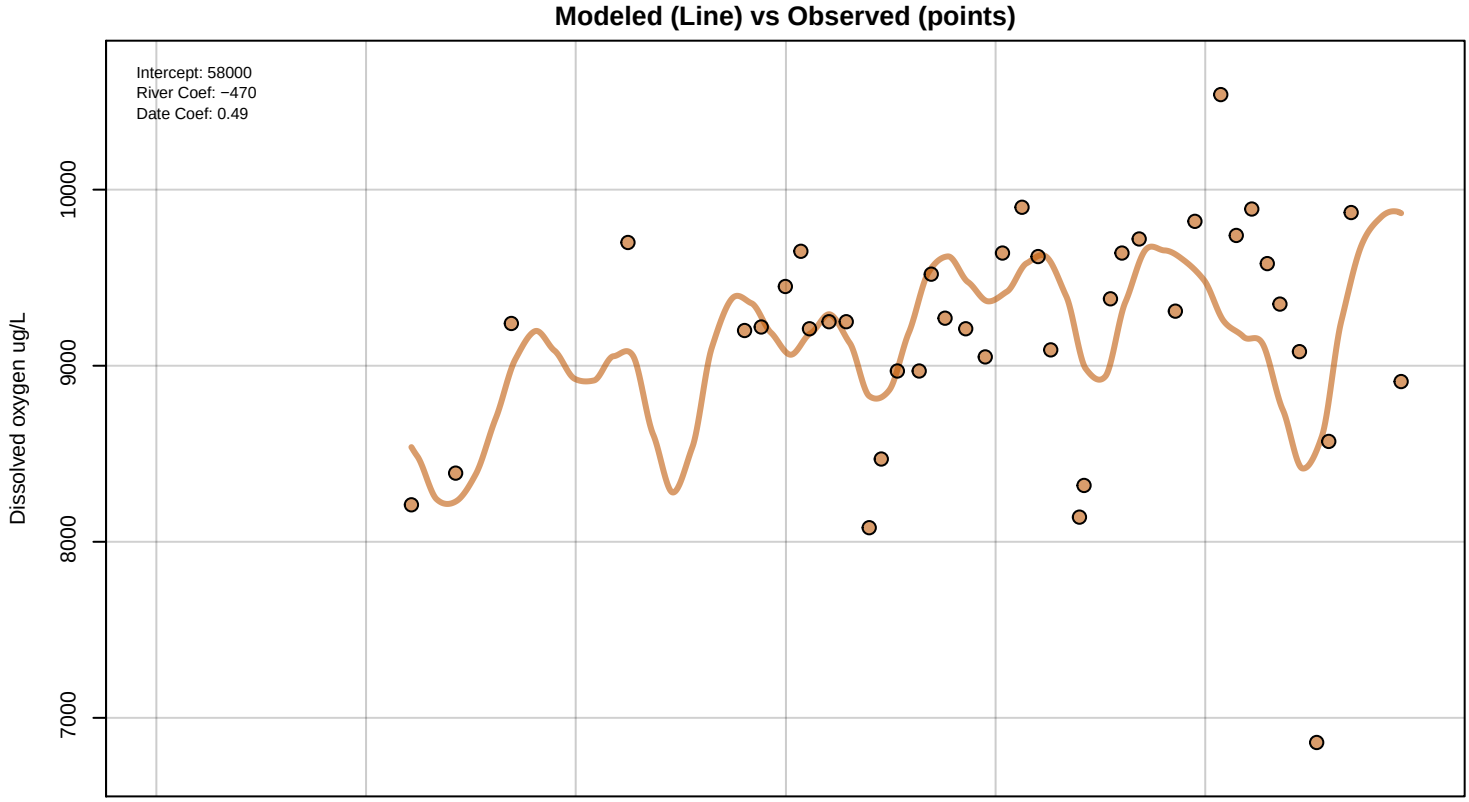
Detect
Non−detect
Pre−Remedy
Post−Remedy

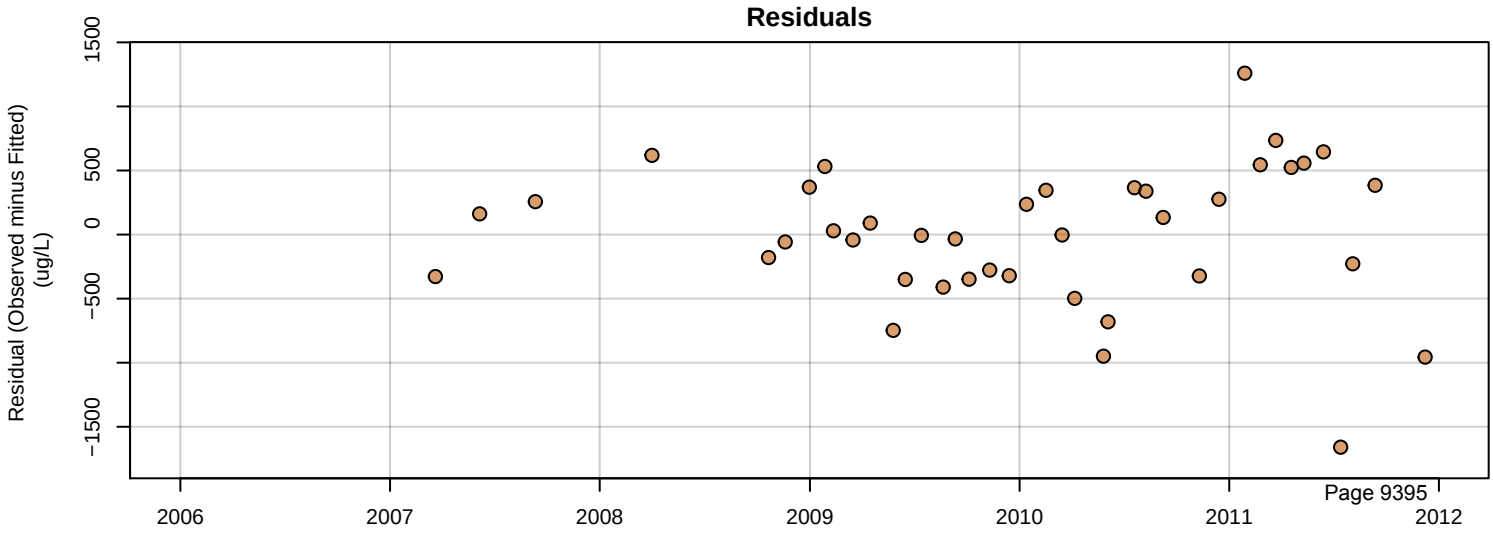


399−1−10A (35m) Lag (9 Days)

Detect
Non−detect
Pre−Remedy
Post−Remedy

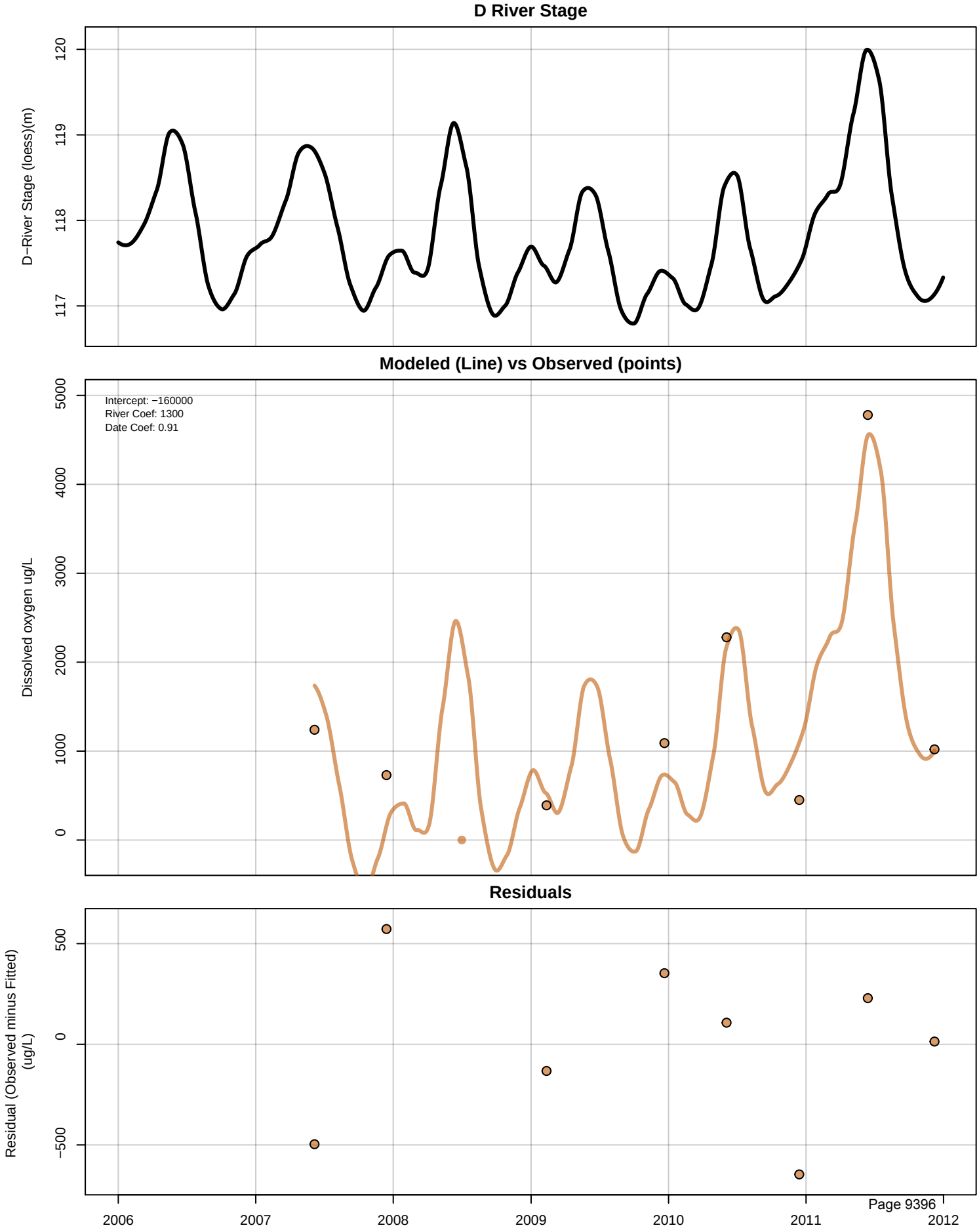






399−1−10B (31m) Lag (5 Days)

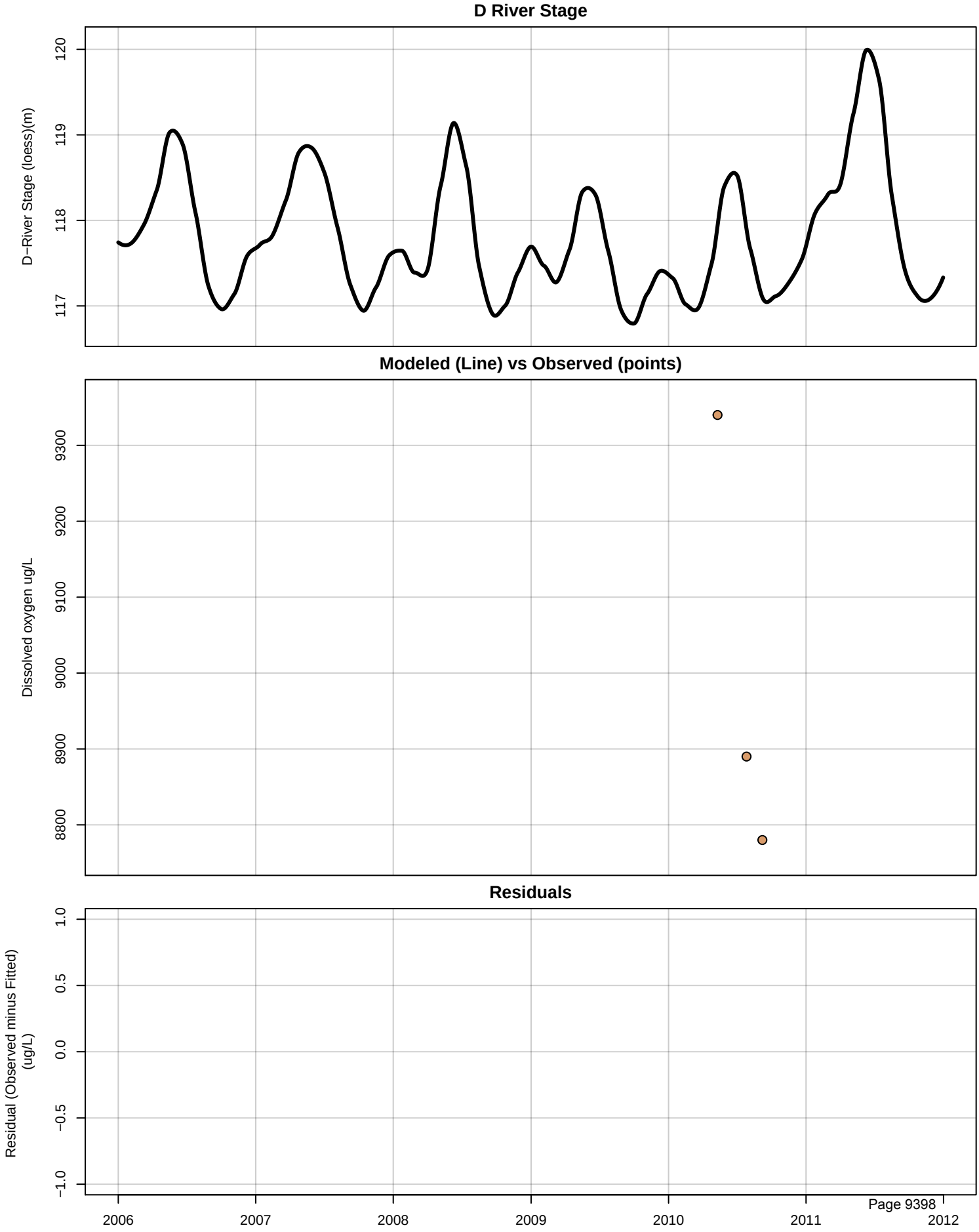
Detect
Non−detect
Pre−Remedy
Post−Remedy



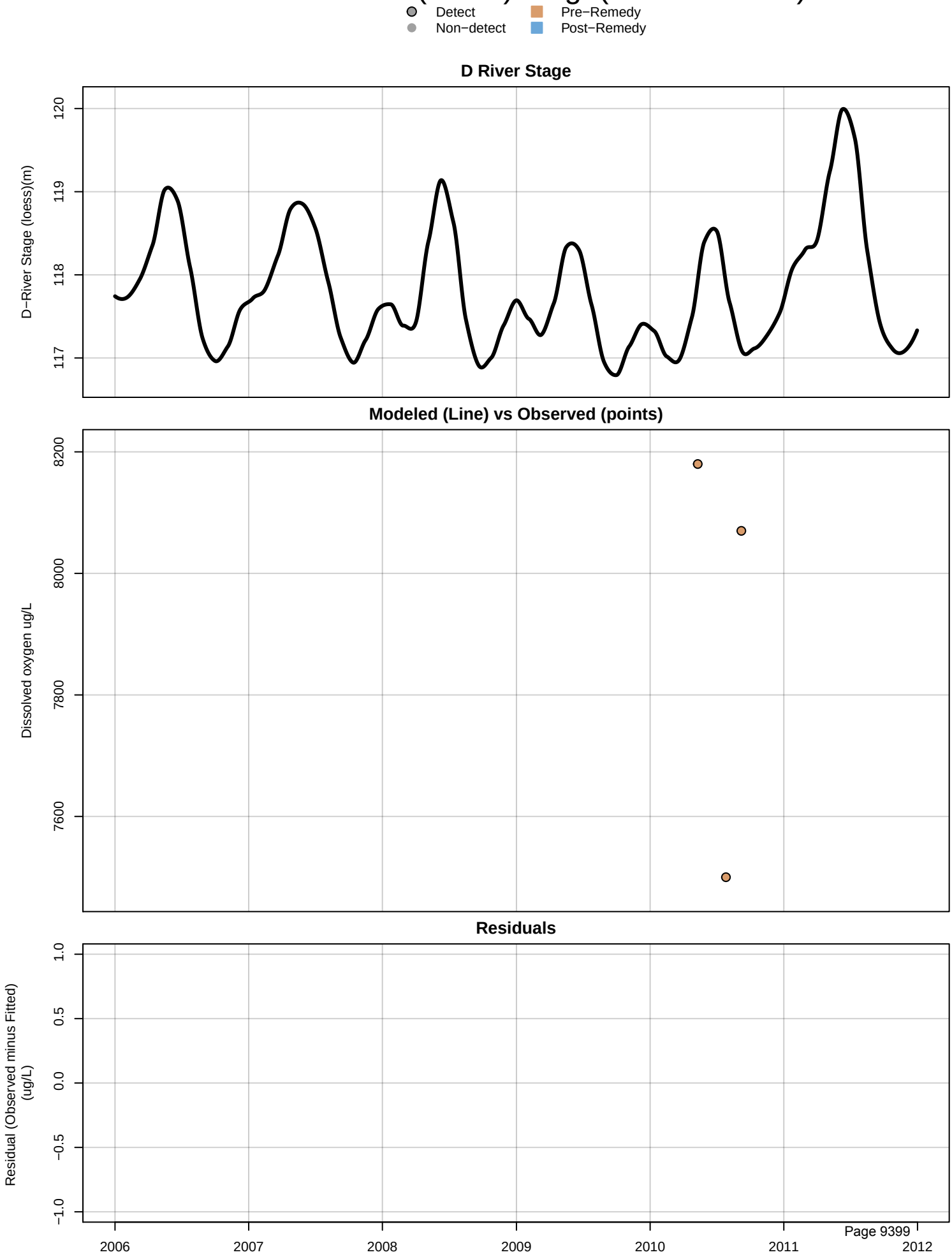
Pearson's R < 0.5

199−B2−13 (109m) Lag (14 Days)

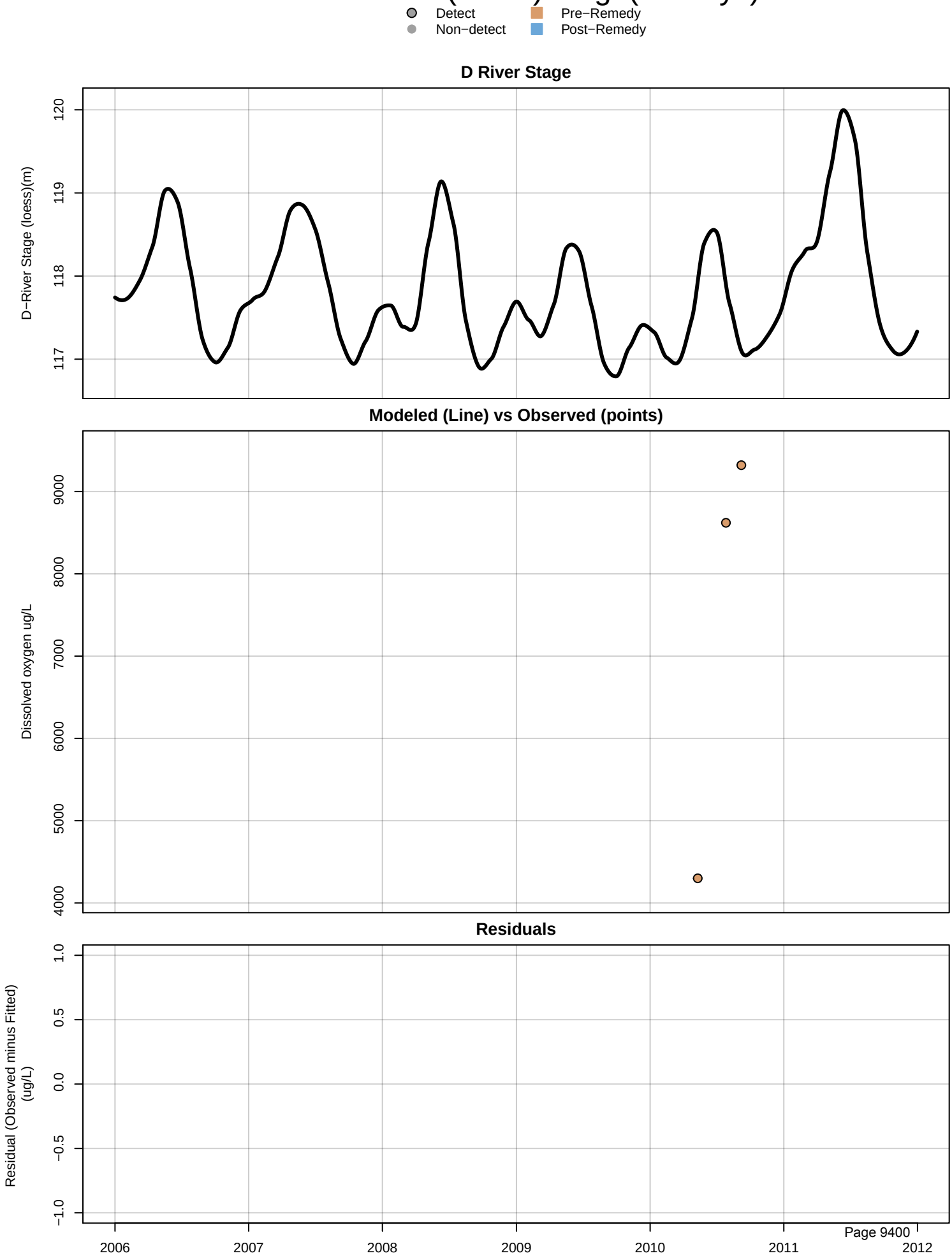
Detect
Non−detect
Pre−Remedy
Post−Remedy



199−B2−14 (137m) Lag (Indeterminate)

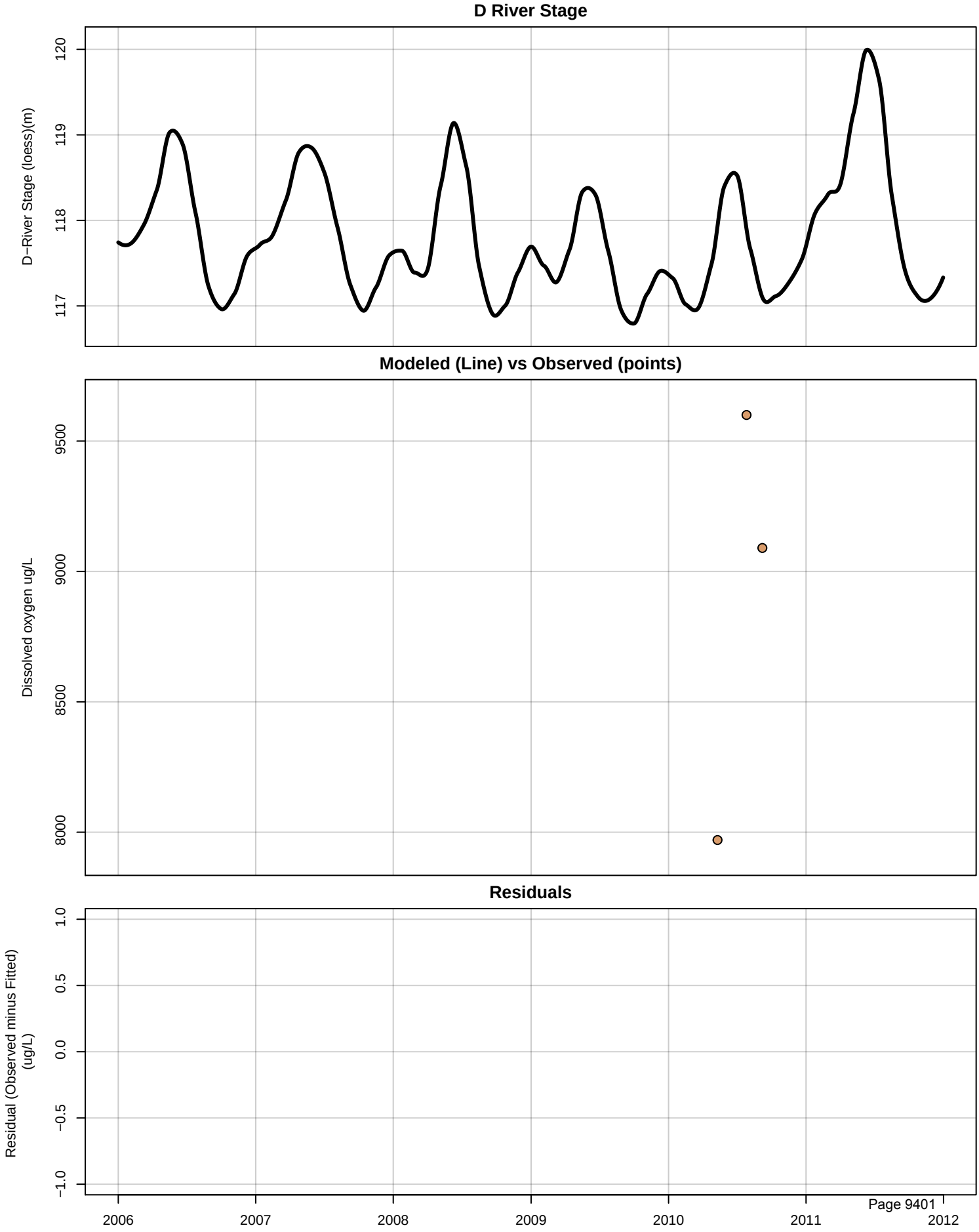


199−B3−1 (132m) Lag (13 Days)

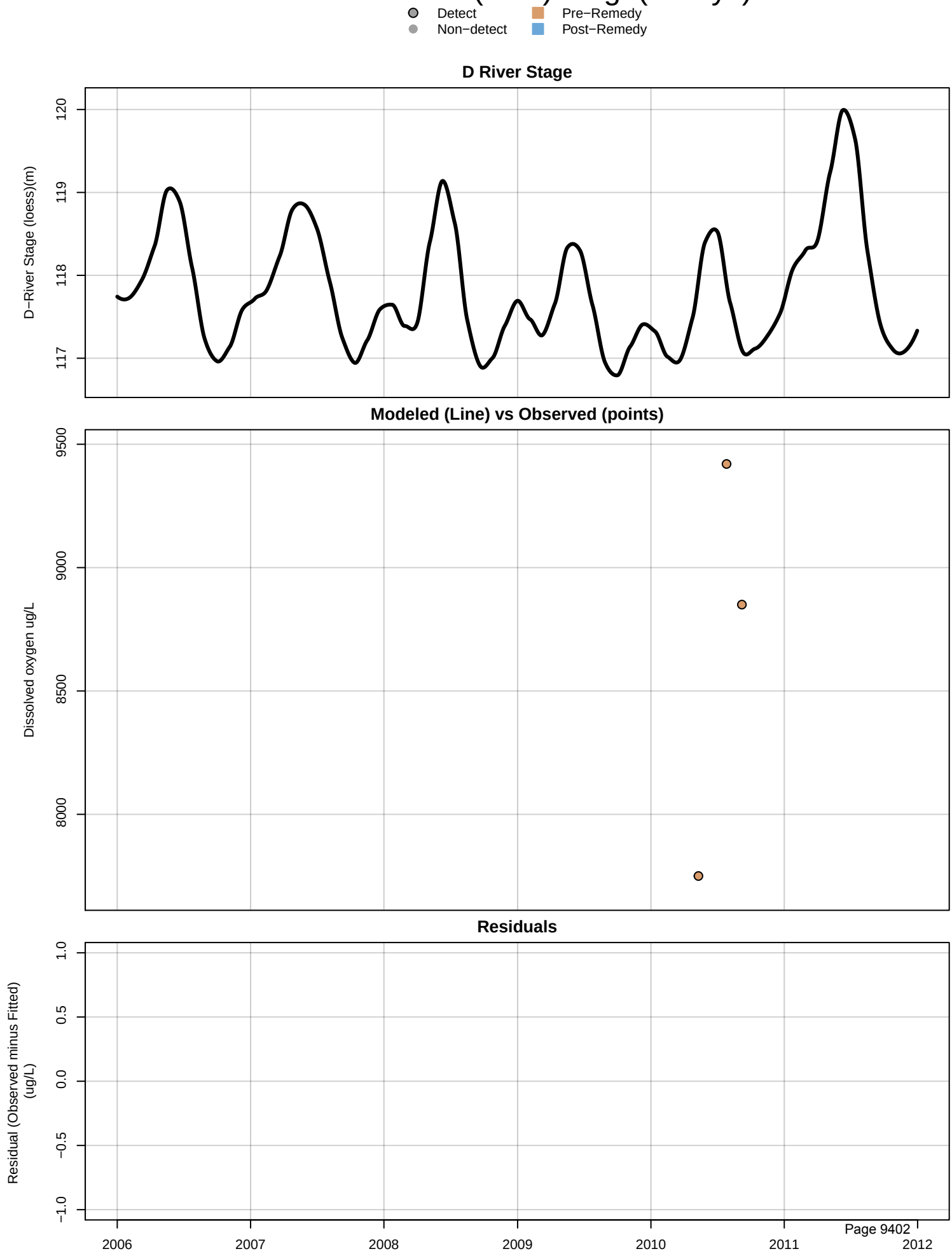


199−B3−46 (210m) Lag (11 Days)

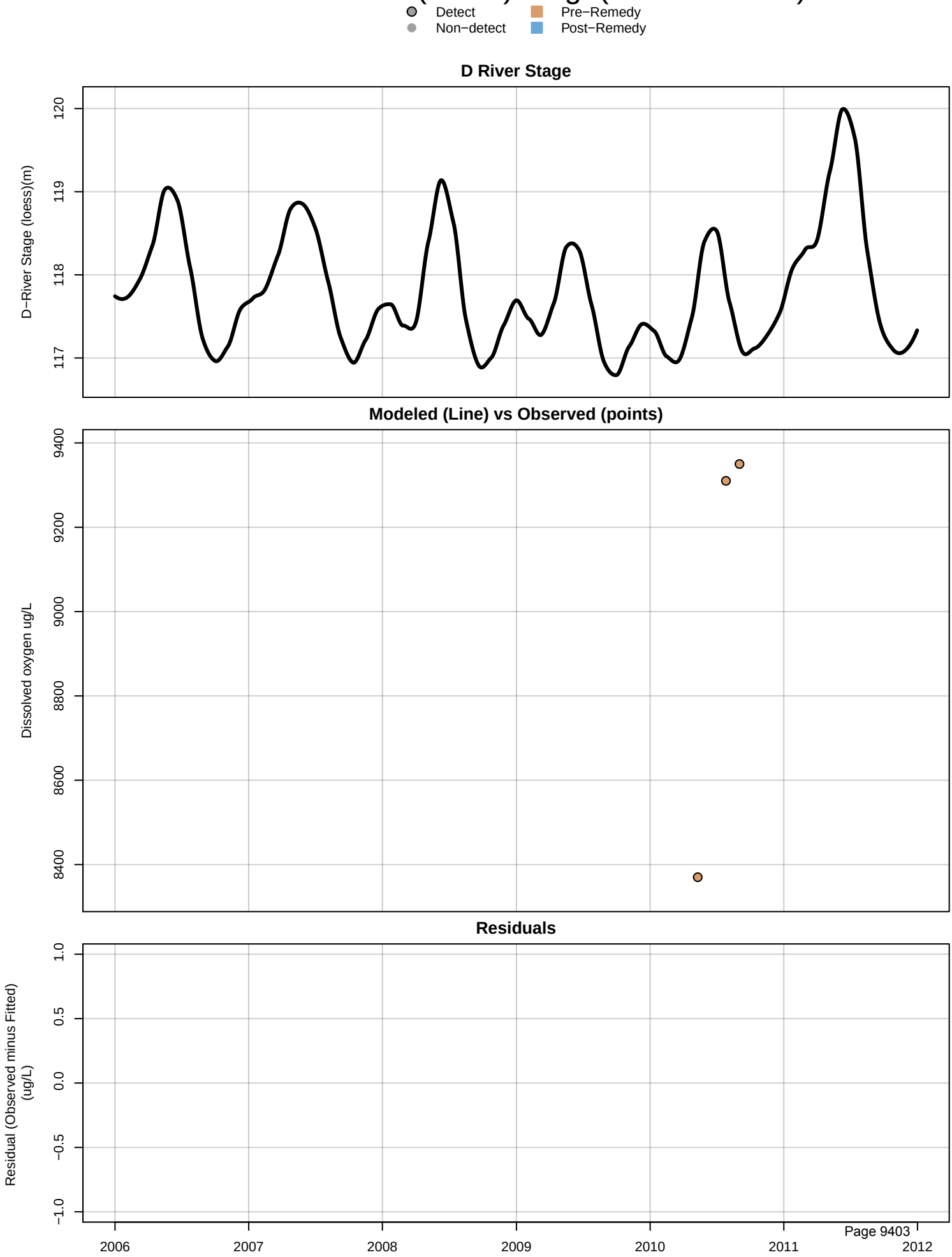
Detect
Non−detect
Pre−Remedy
Post−Remedy



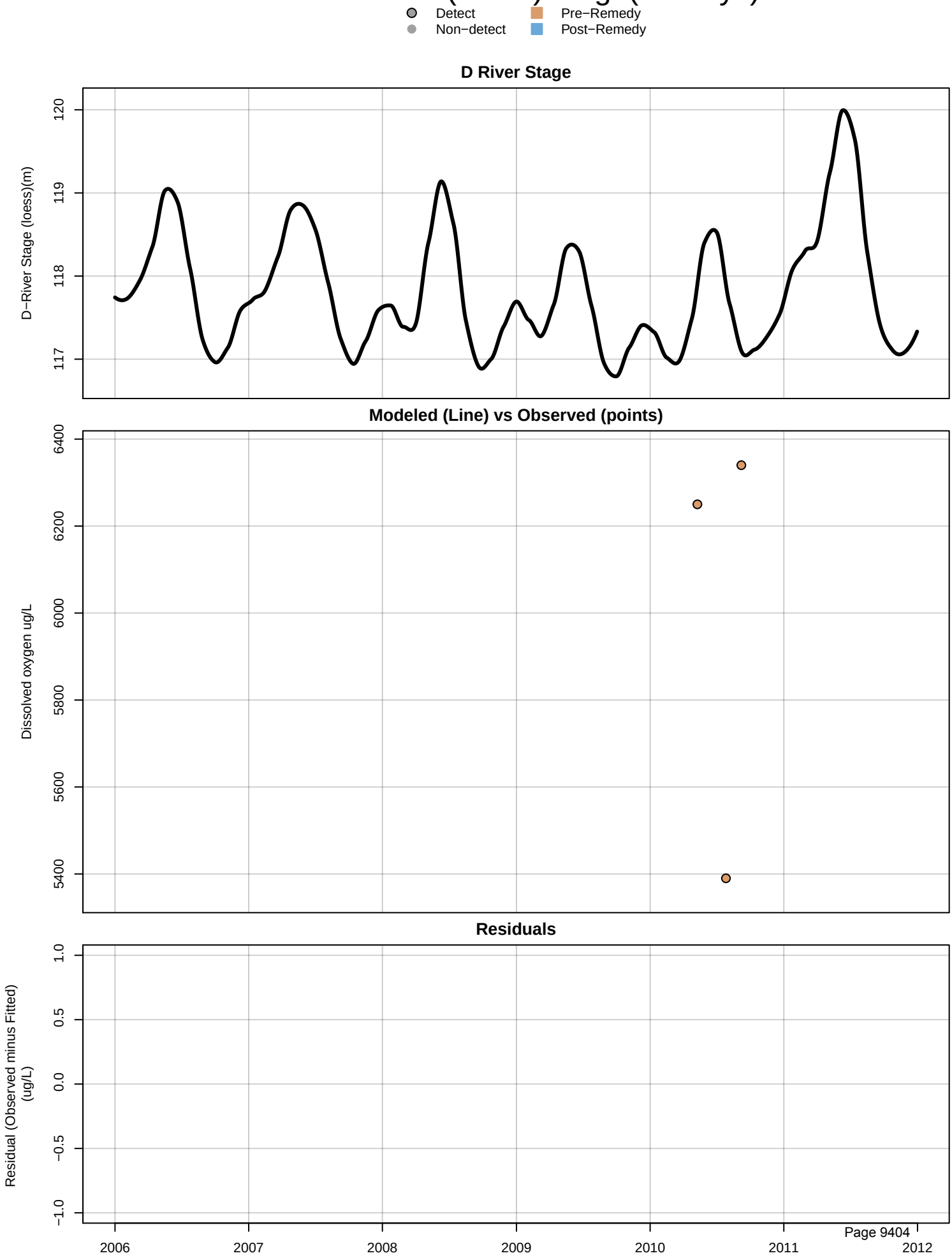
199−B3−47 (71m) Lag (6 Days)



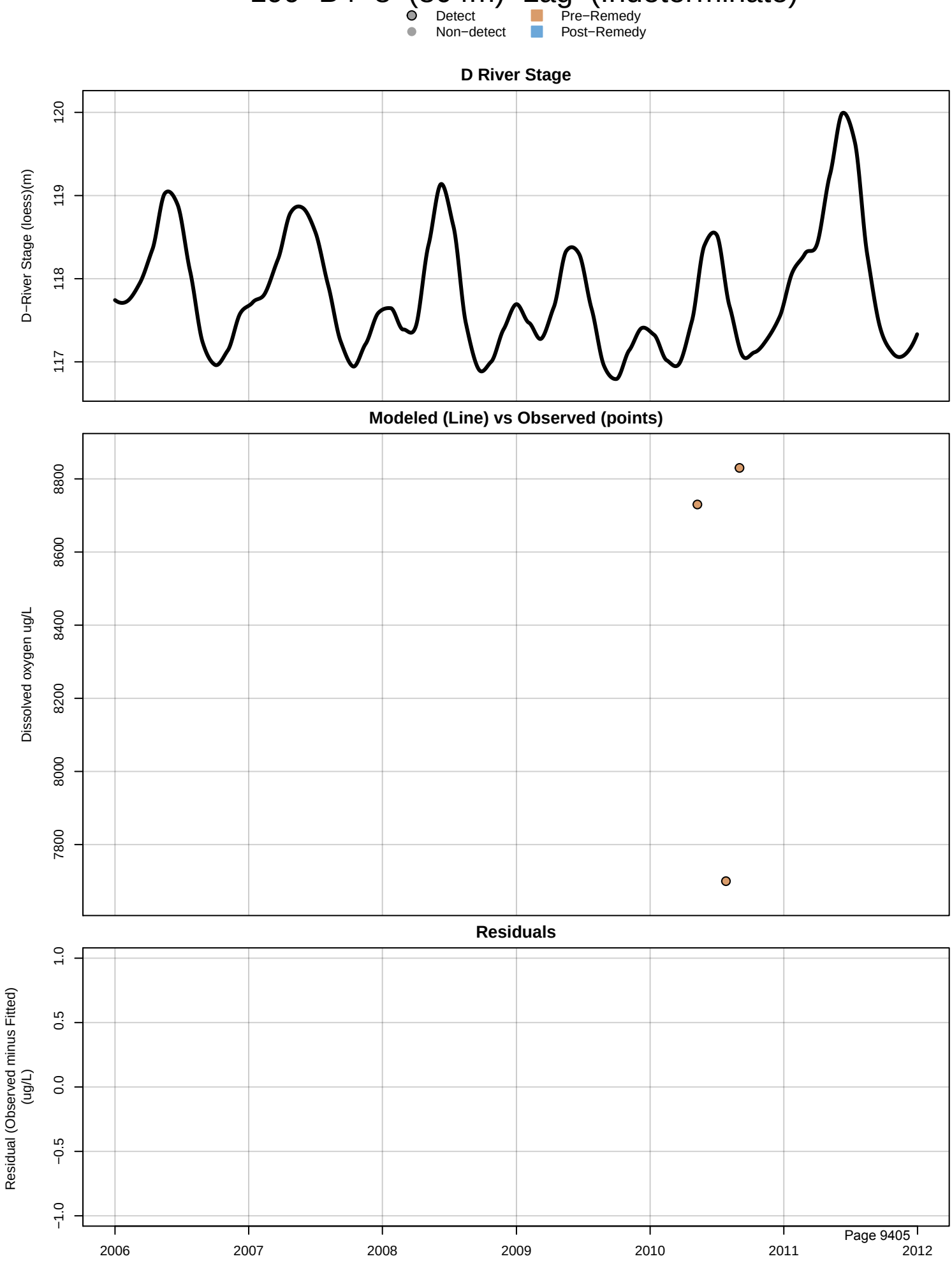
199−B3−50 (545m) Lag (Indeterminate)



199−B4−4 (920m) Lag (40 Days)

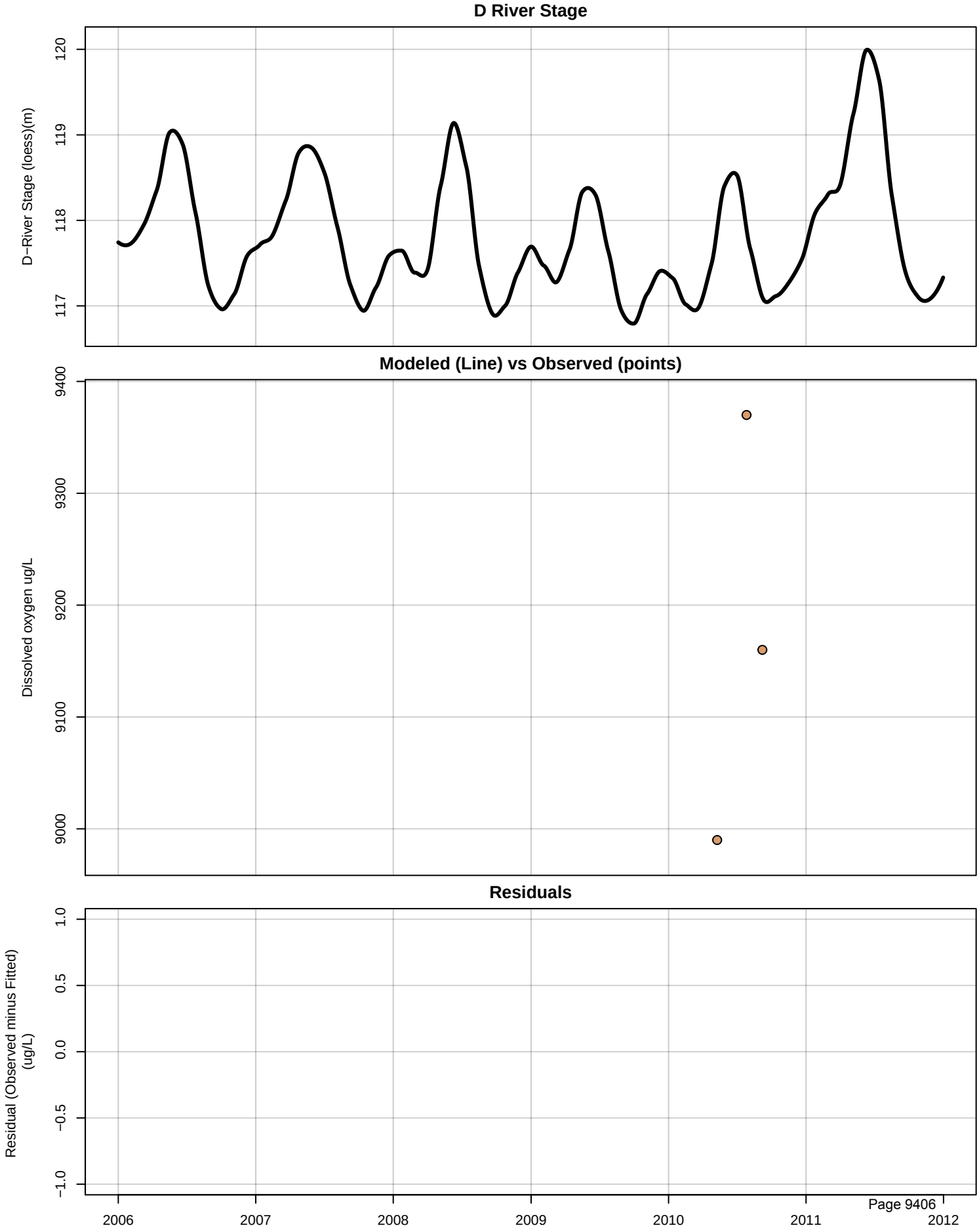


199−B4−8 (804m) Lag (Indeterminate)

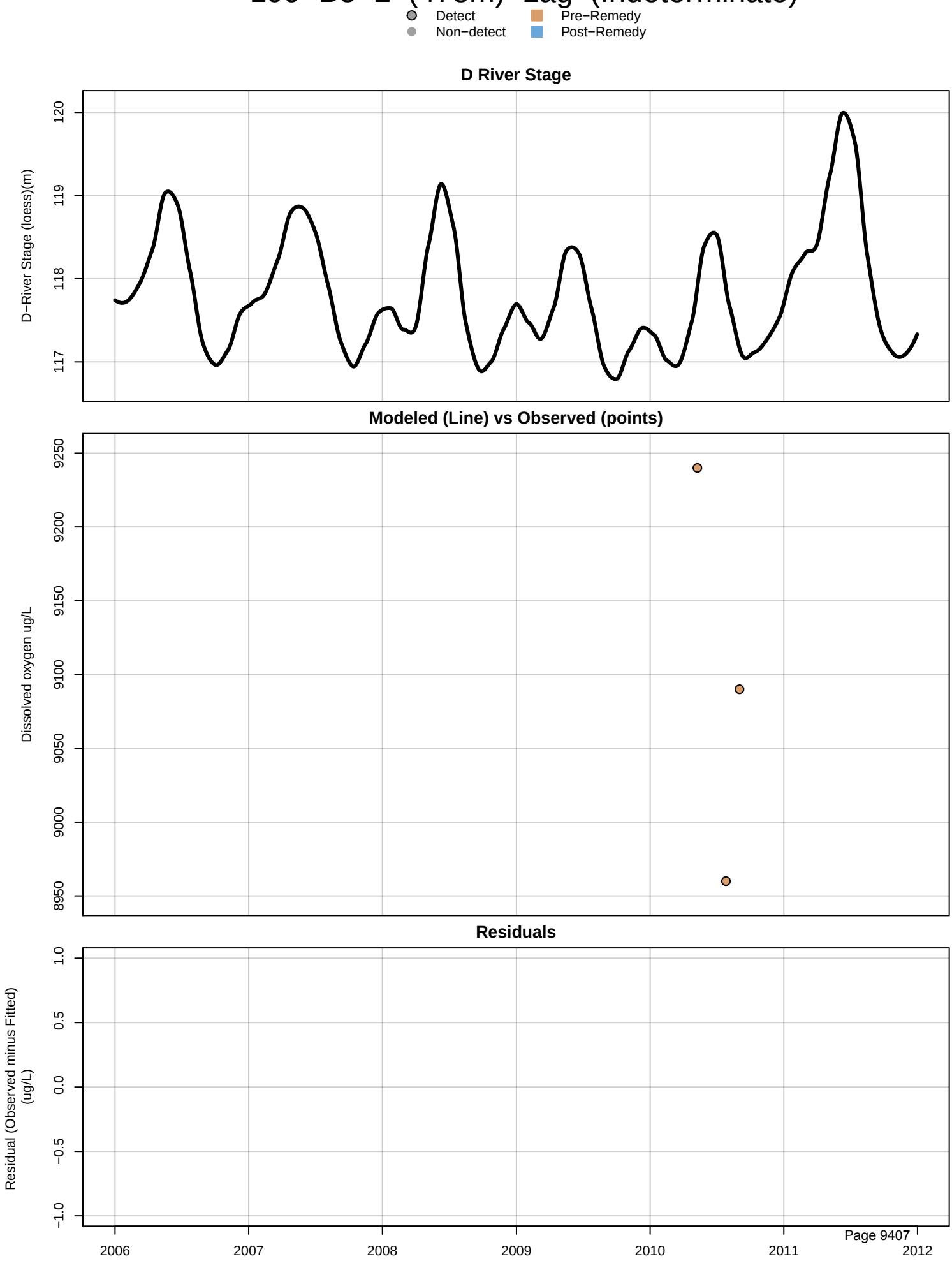


199−B5−1 (478m) Lag (30 Days)

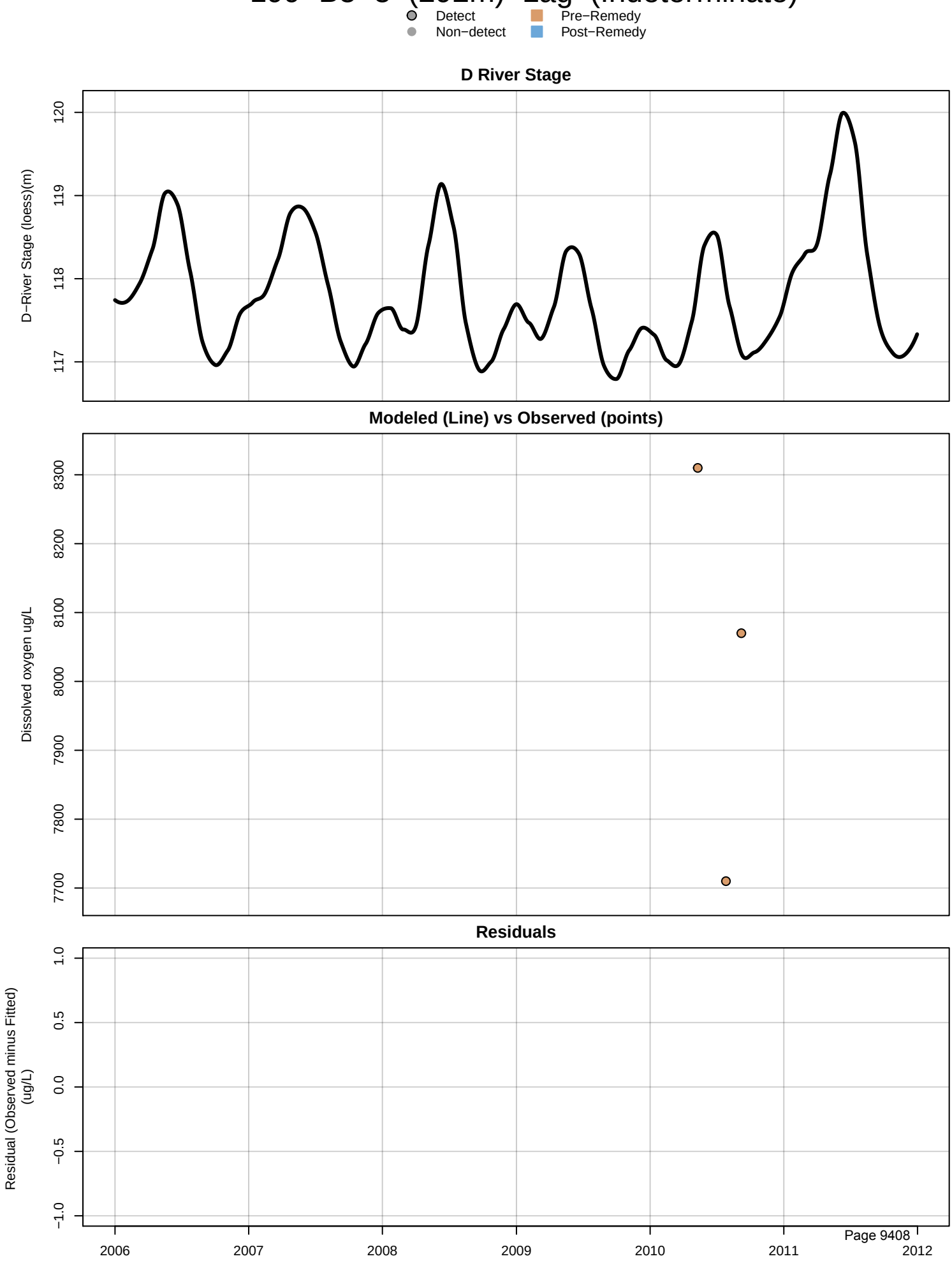
Detect
Non−detect
Pre−Remedy
Post−Remedy



199−B5−2 (478m) Lag (Indeterminate)

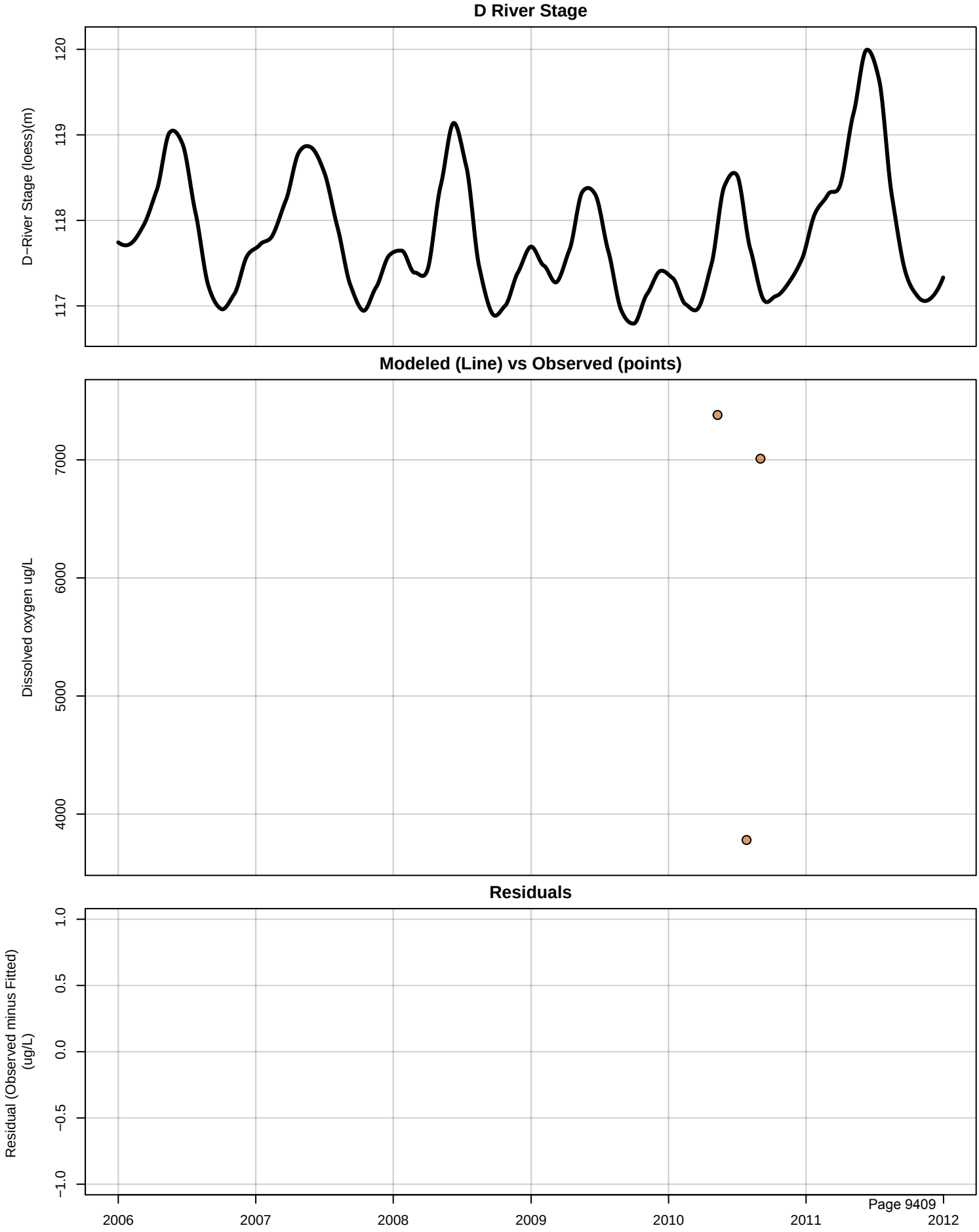


199−B5−5 (292m) Lag (Indeterminate)



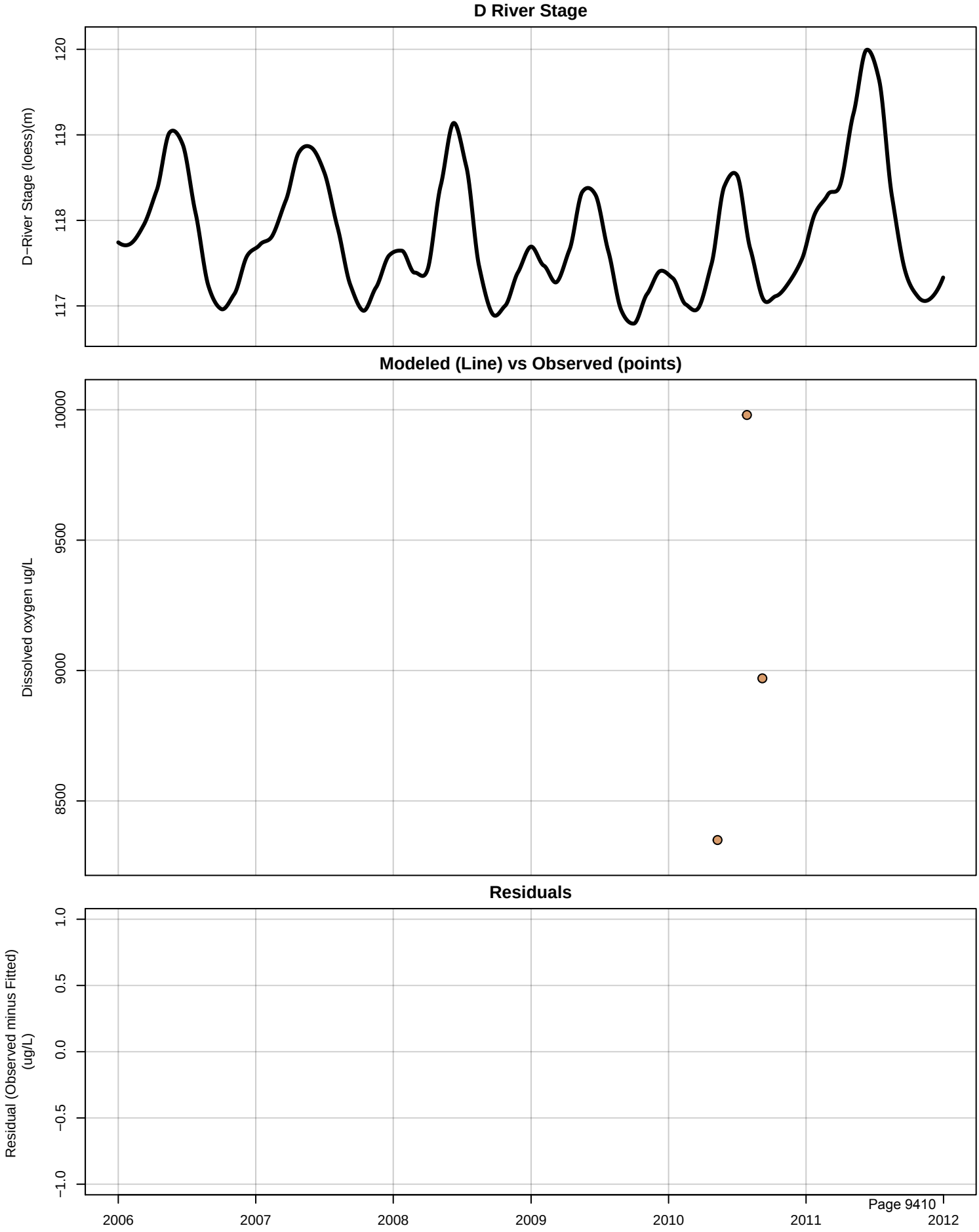
199−B5−6 (933m) Lag (Indeterminate)

Detect
Non−detect
Pre−Remedy
Post−Remedy



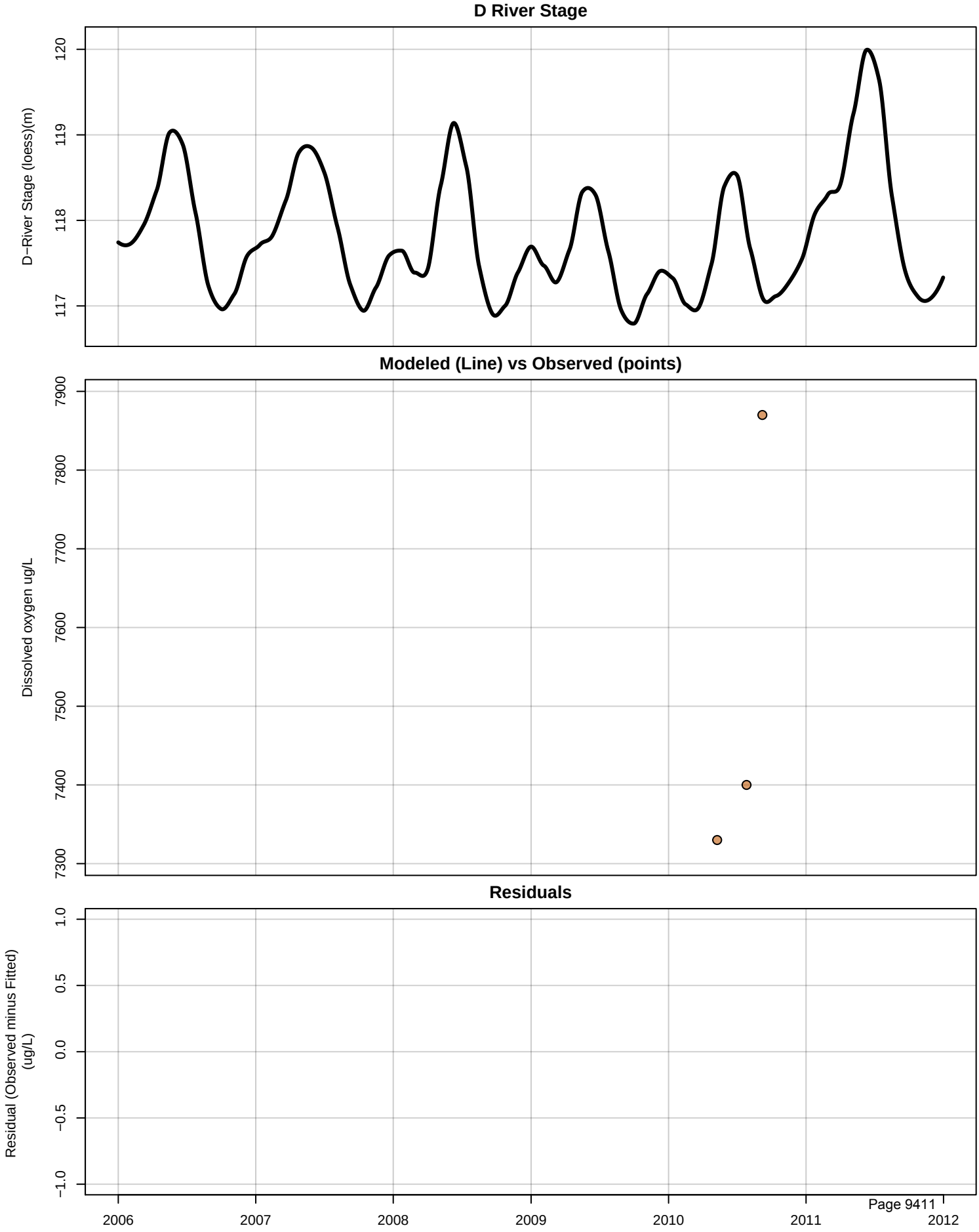
199−B8−6 (1117m) Lag (41 Days)

Detect
Non−detect
Pre−Remedy
Post−Remedy



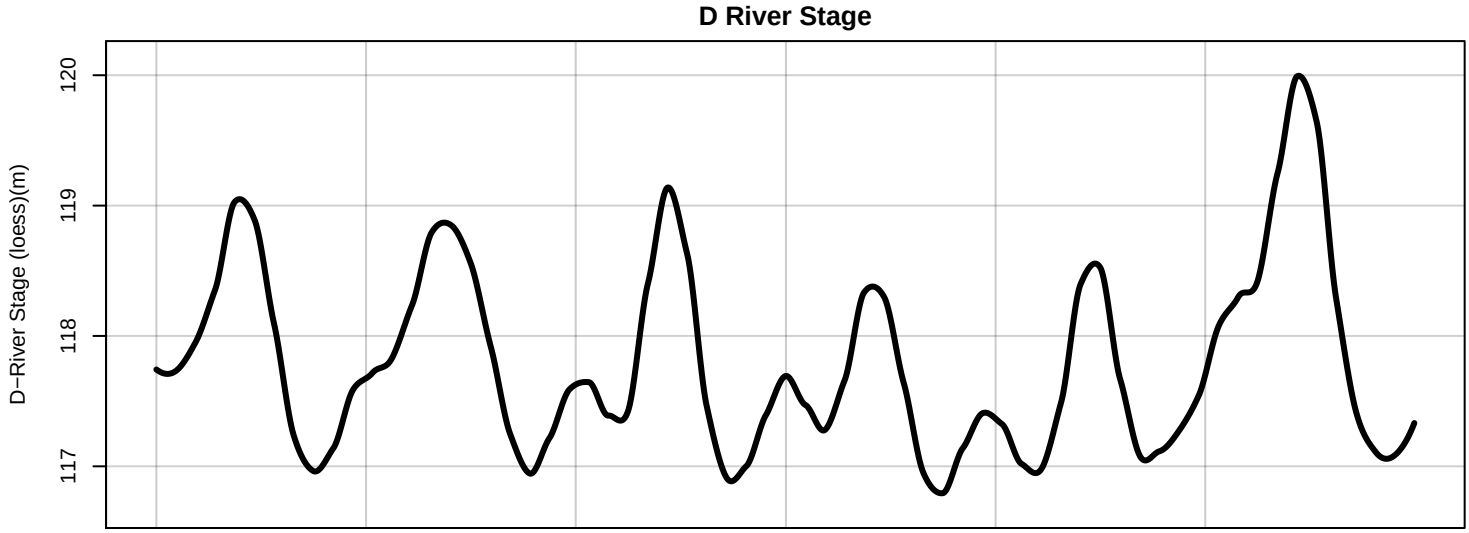
199−B9−3 (1409m) Lag (44 Days)

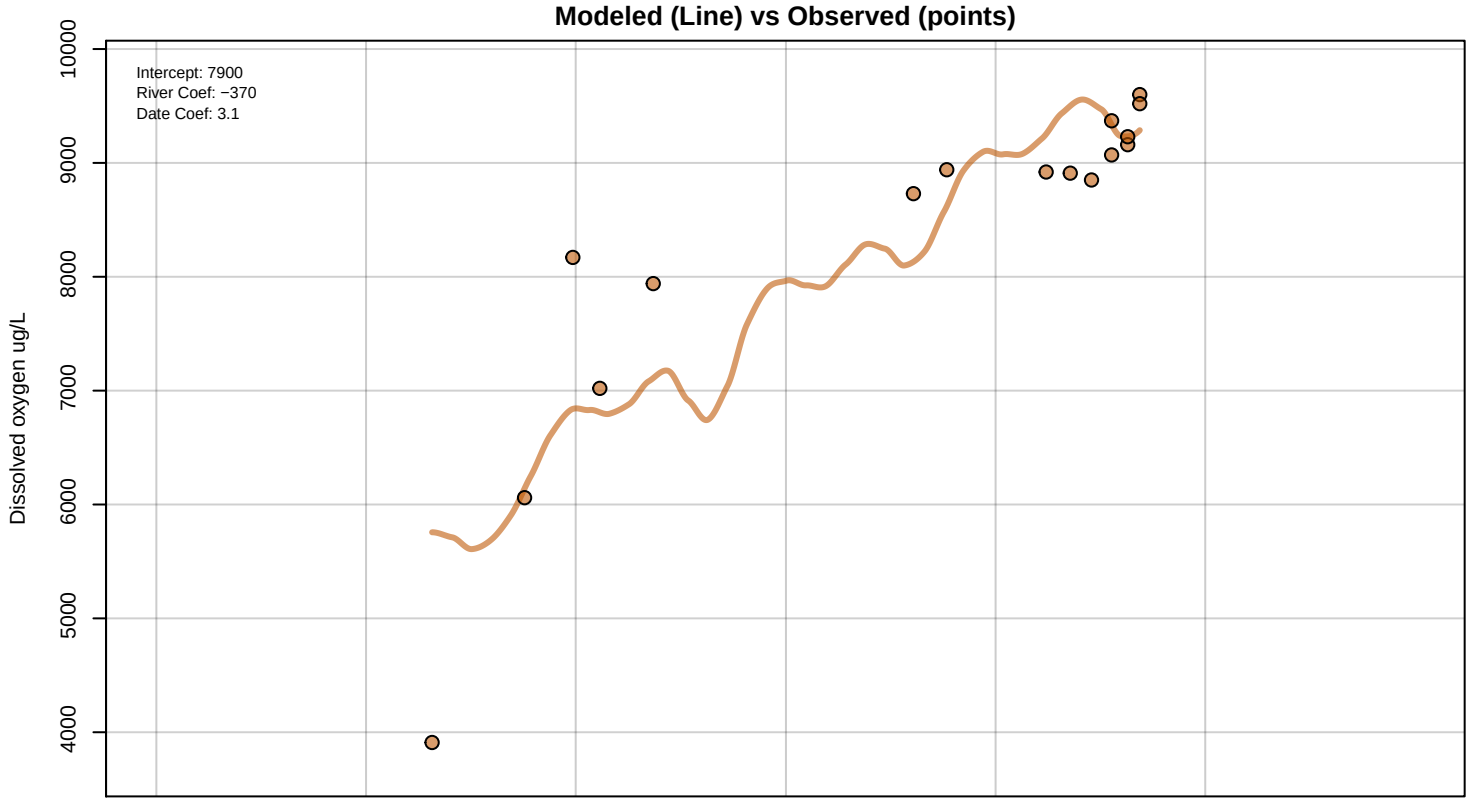
Detect
Non−detect
Pre−Remedy
Post−Remedy

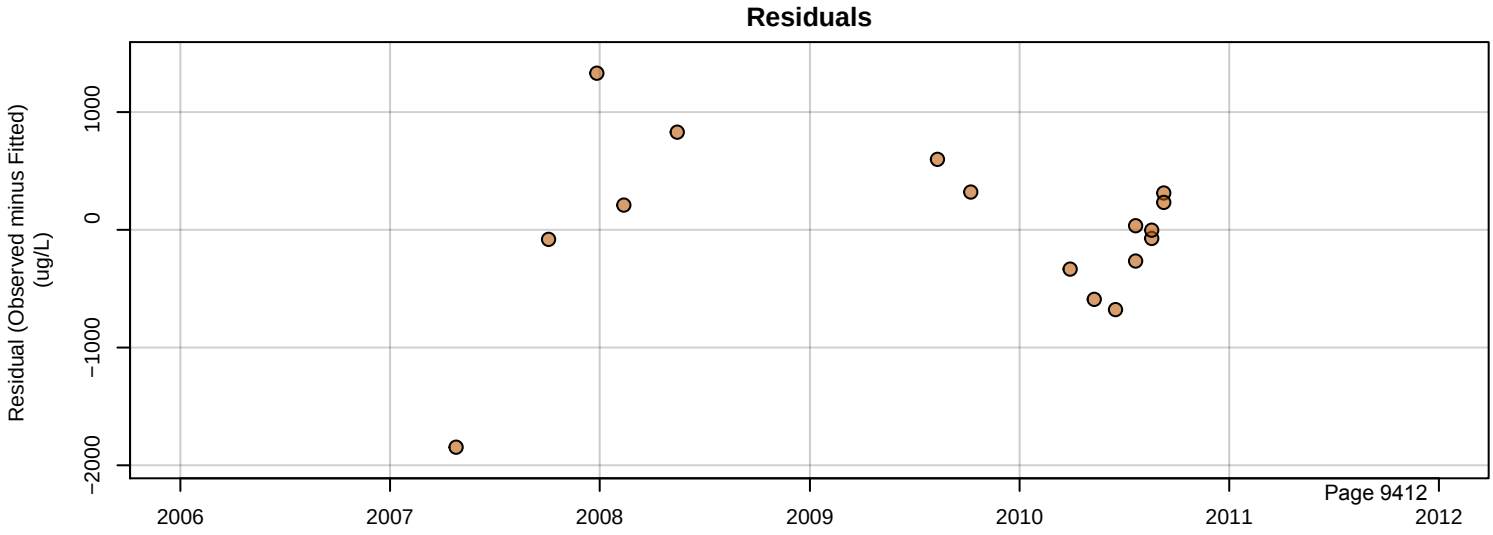


199−D2−11 (822m) Lag (70 Days)

Detect
Non−detect
Pre−Remedy
Post−Remedy

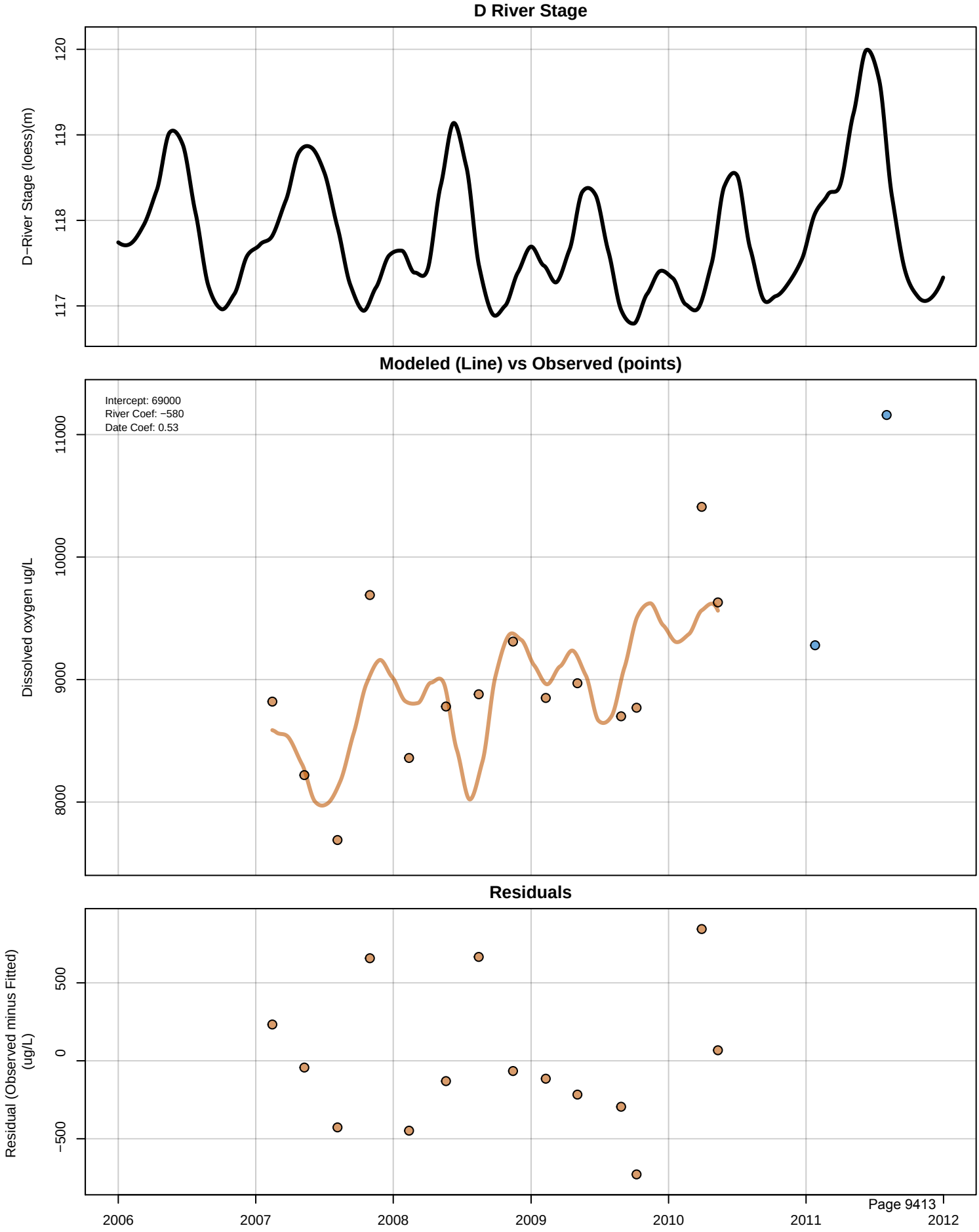






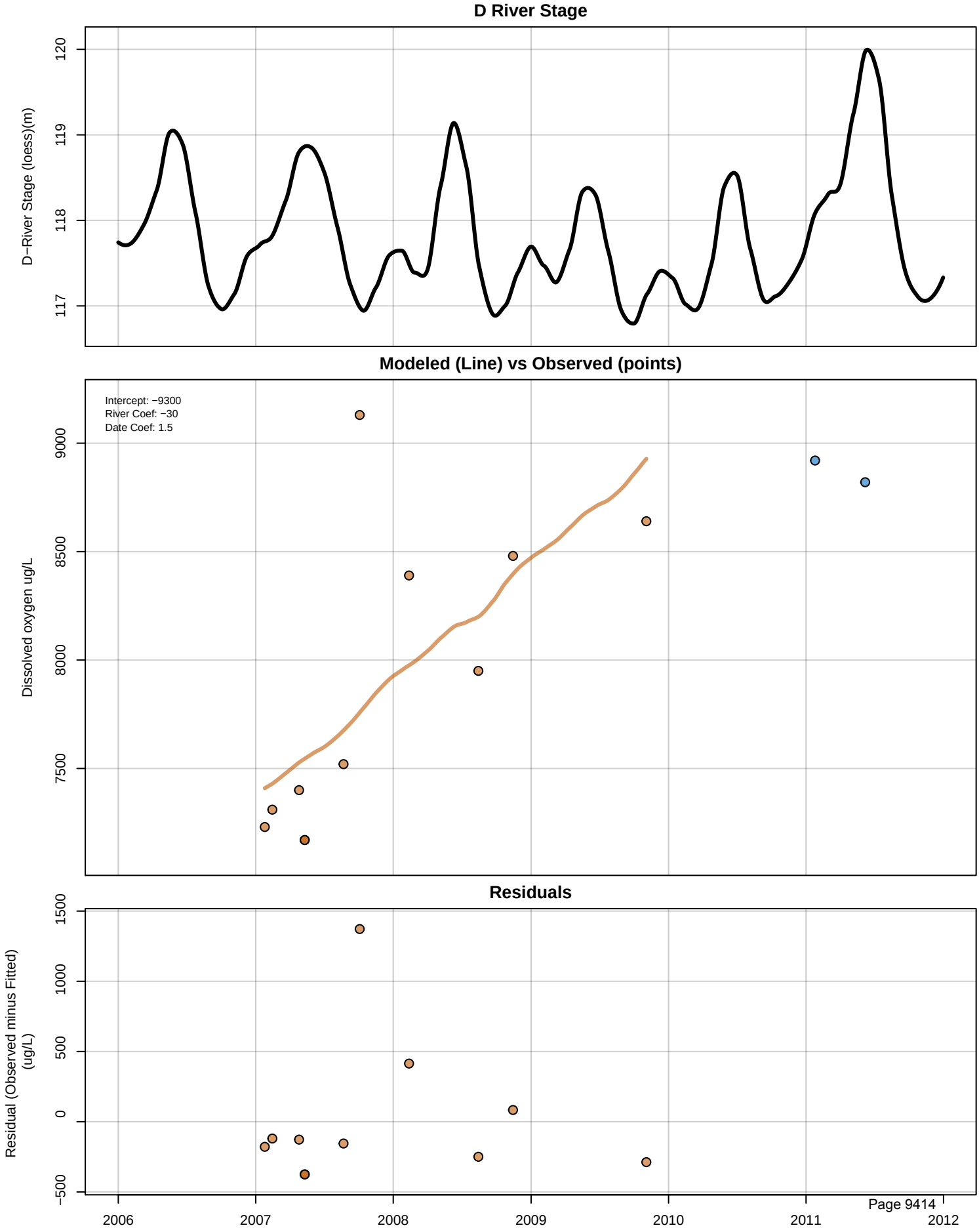
199−D2−6 (614m) Lag (43 Days)

Detect
Non−detect
Pre−Remedy
Post−Remedy

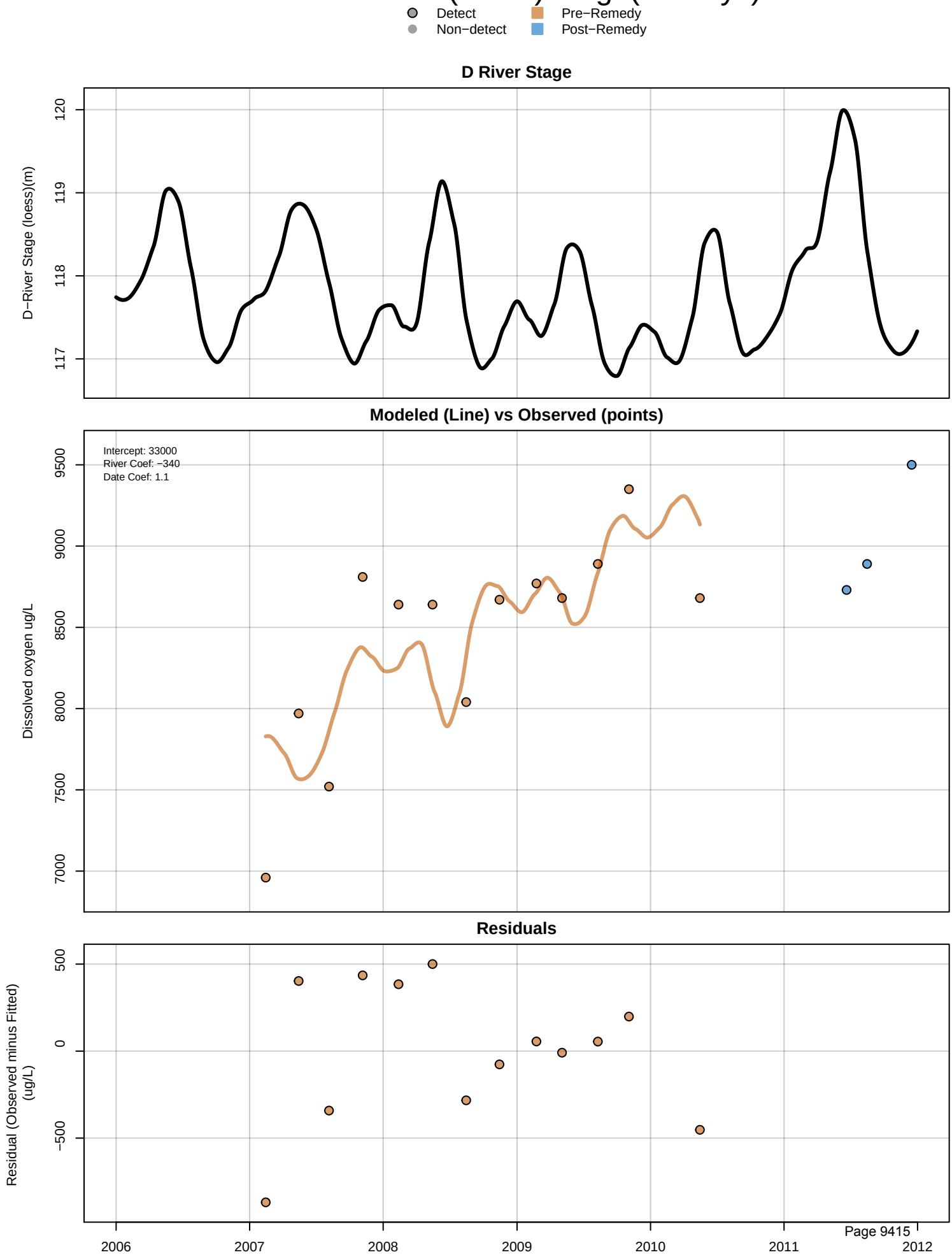


199−D2−8 (713m) Lag (71 Days)

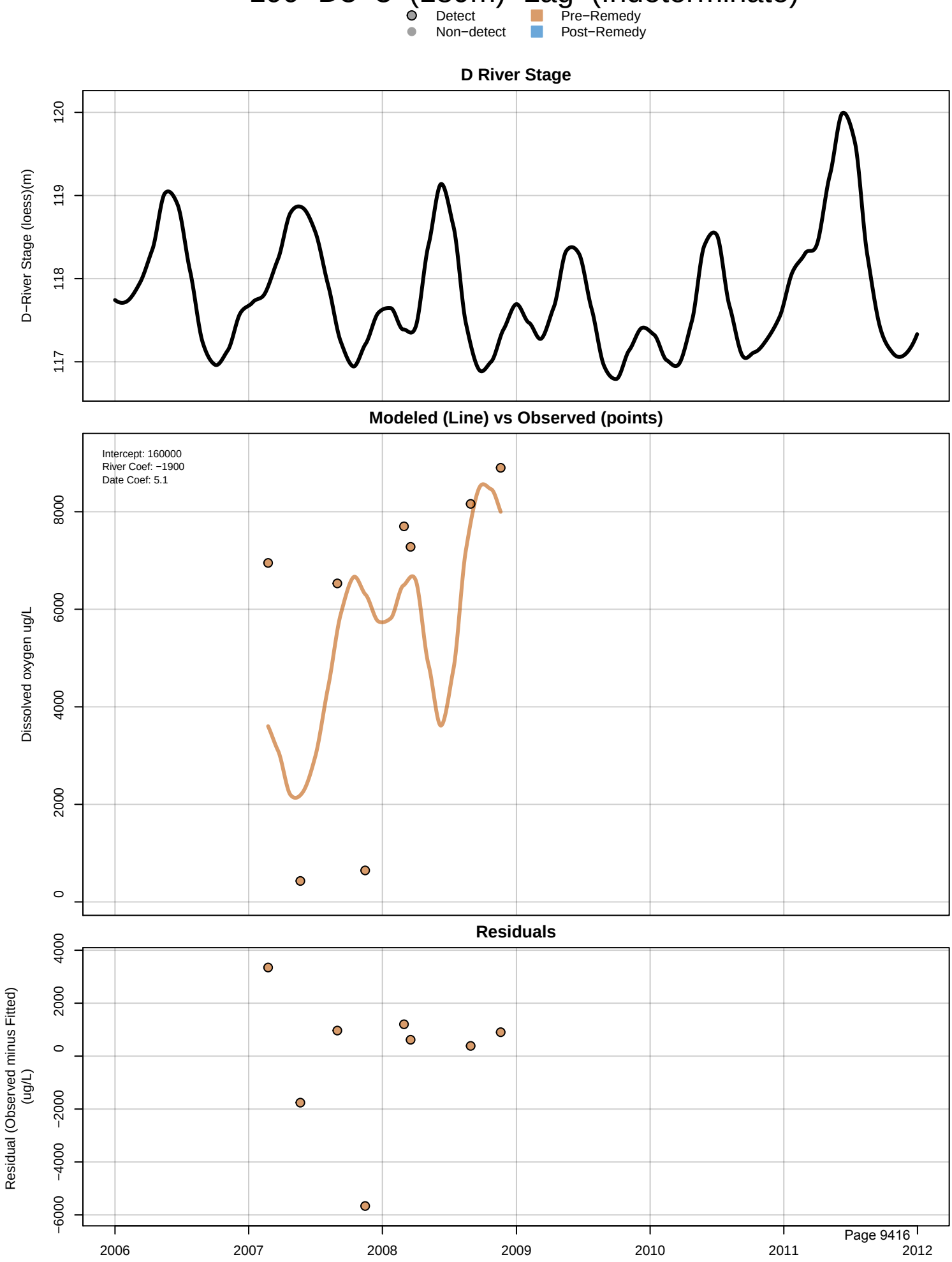
Detect
Non−detect
Pre−Remedy
Post−Remedy



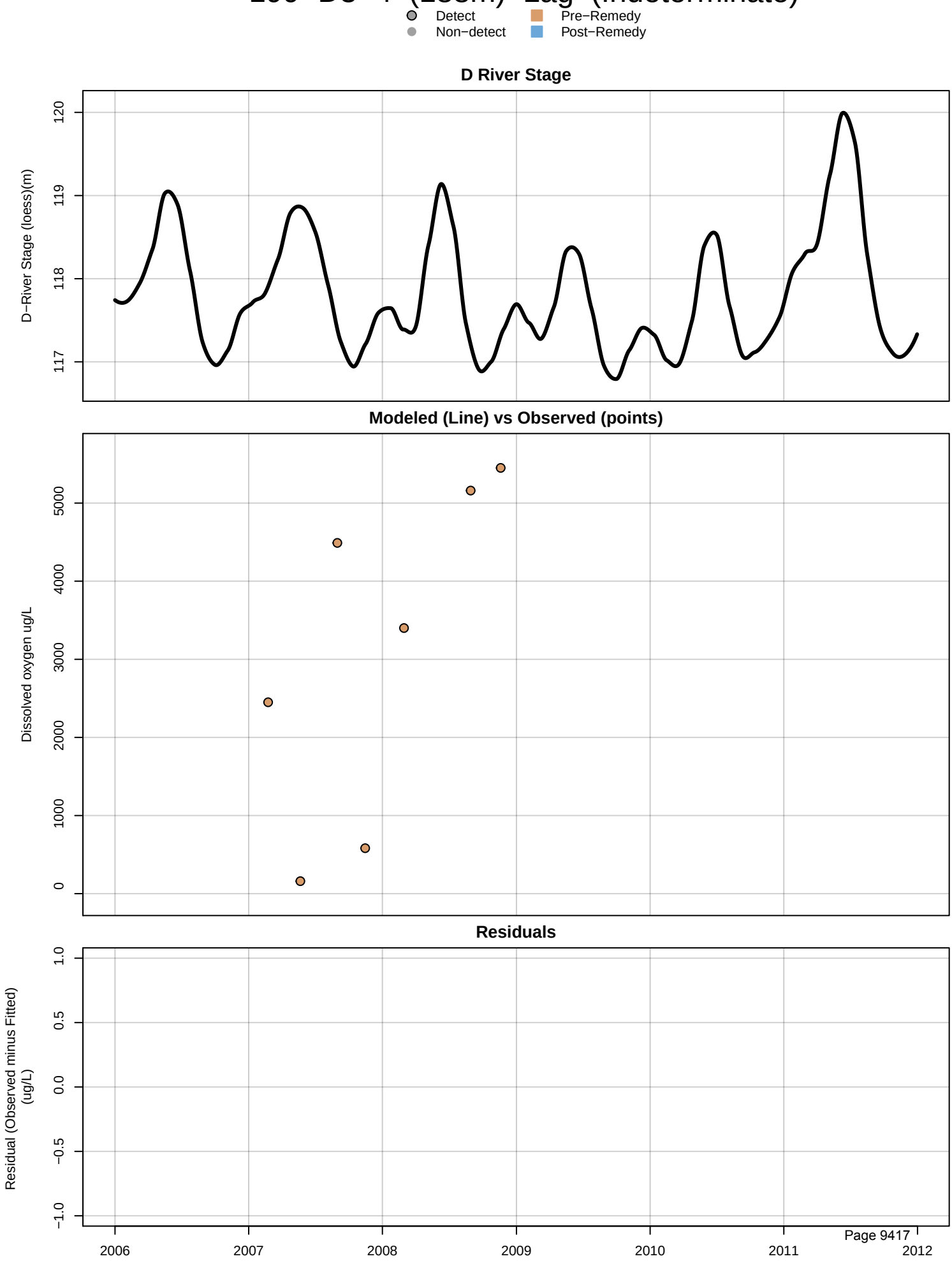
199−D3−2 (181m) Lag (15 Days)



199−D3−3 (189m) Lag (Indeterminate)

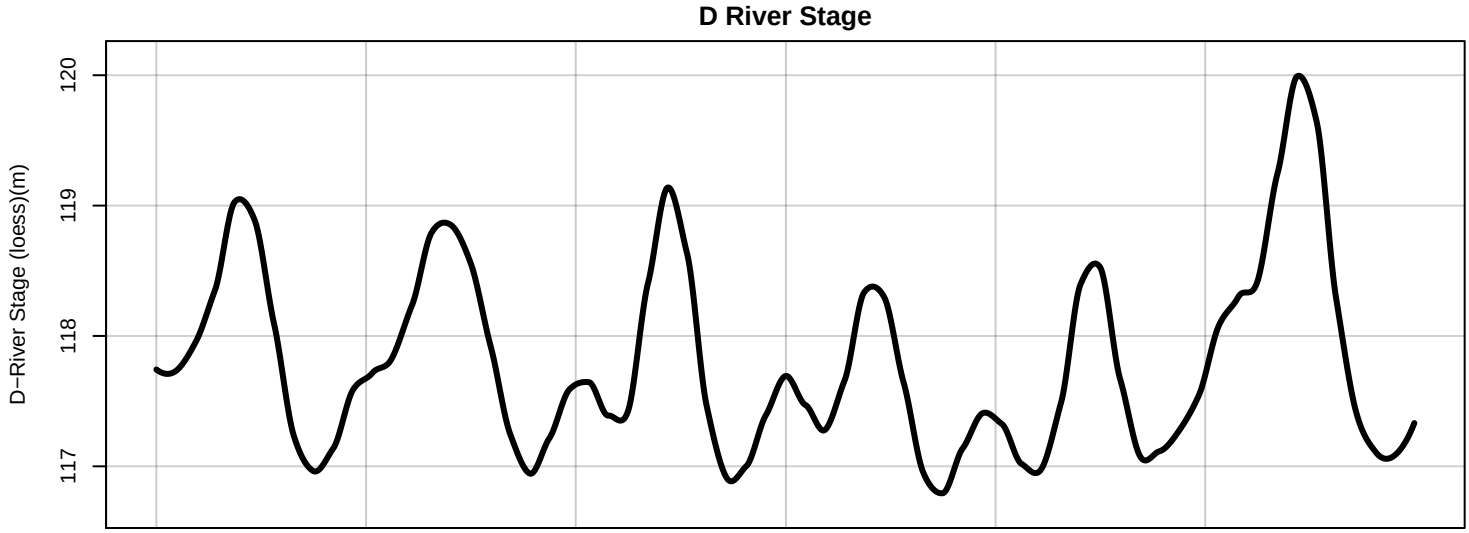


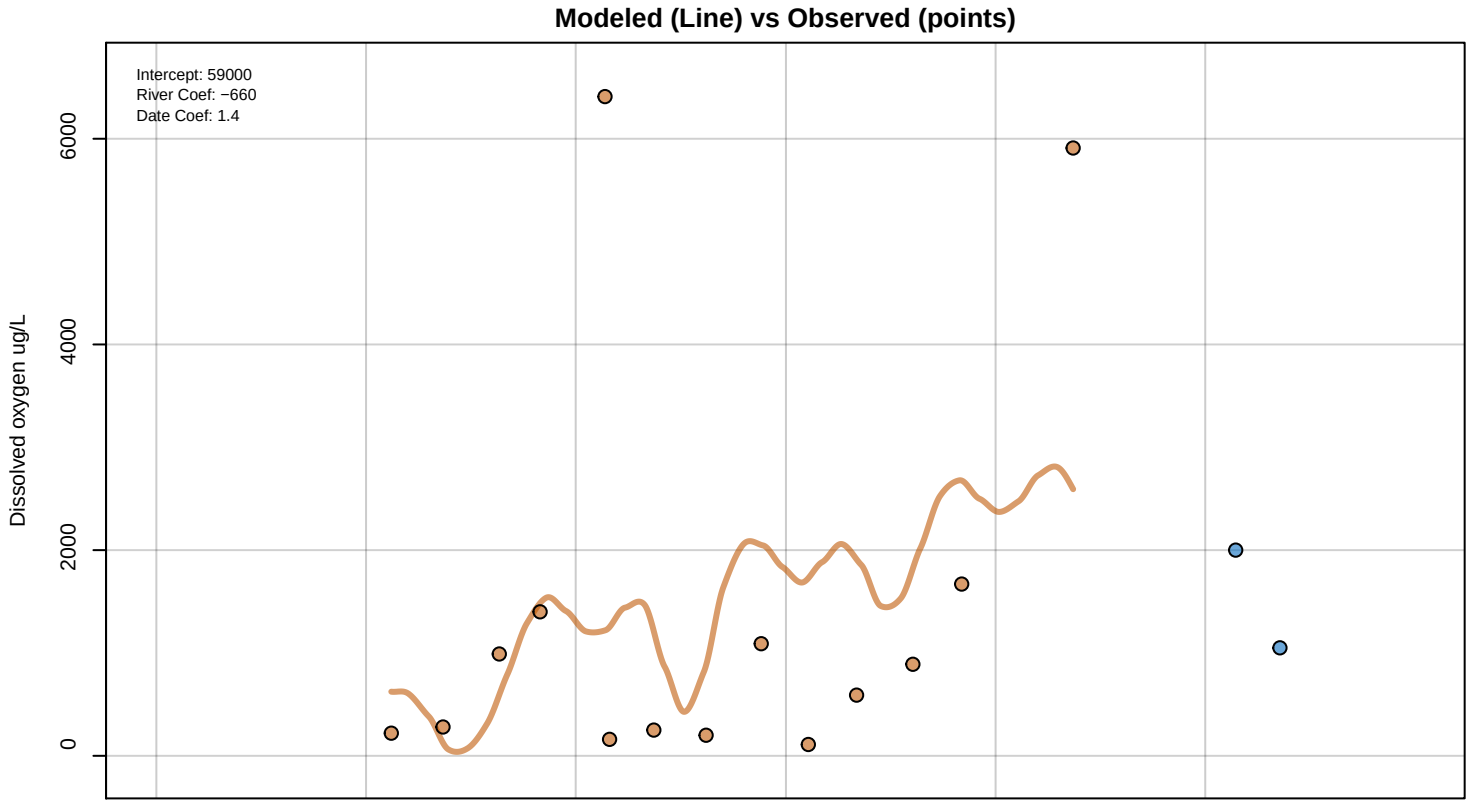
199−D3−4 (188m) Lag (Indeterminate)

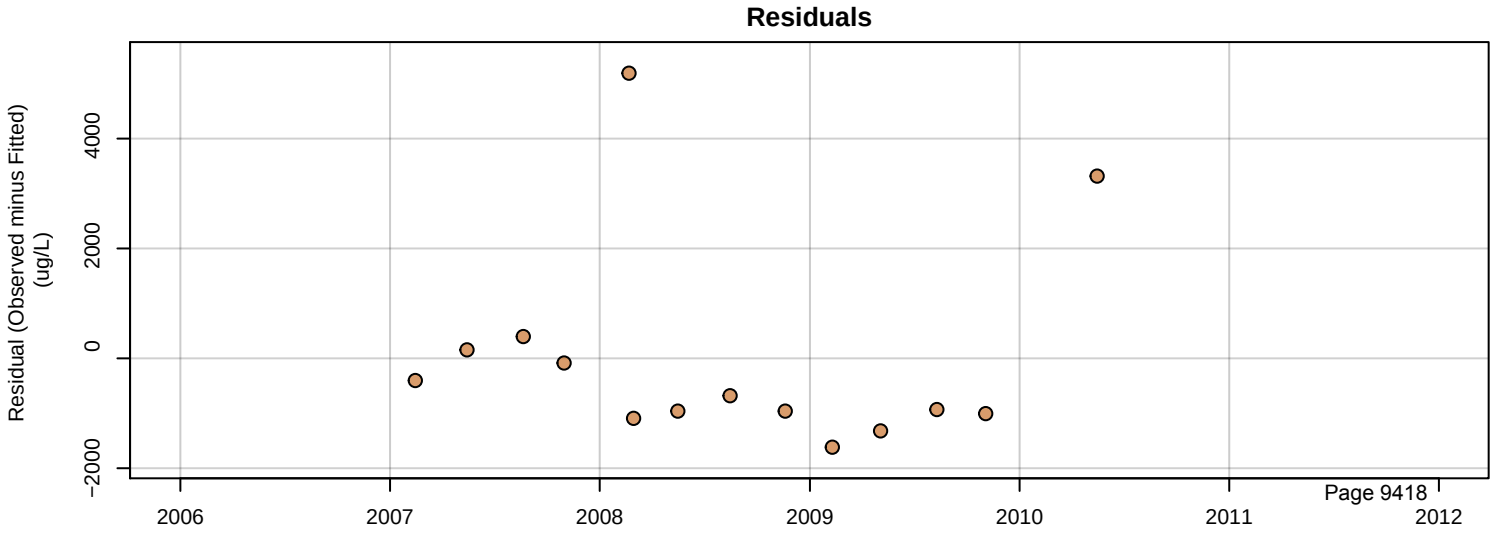


199−D4−1 (135m) Lag (29 Days)

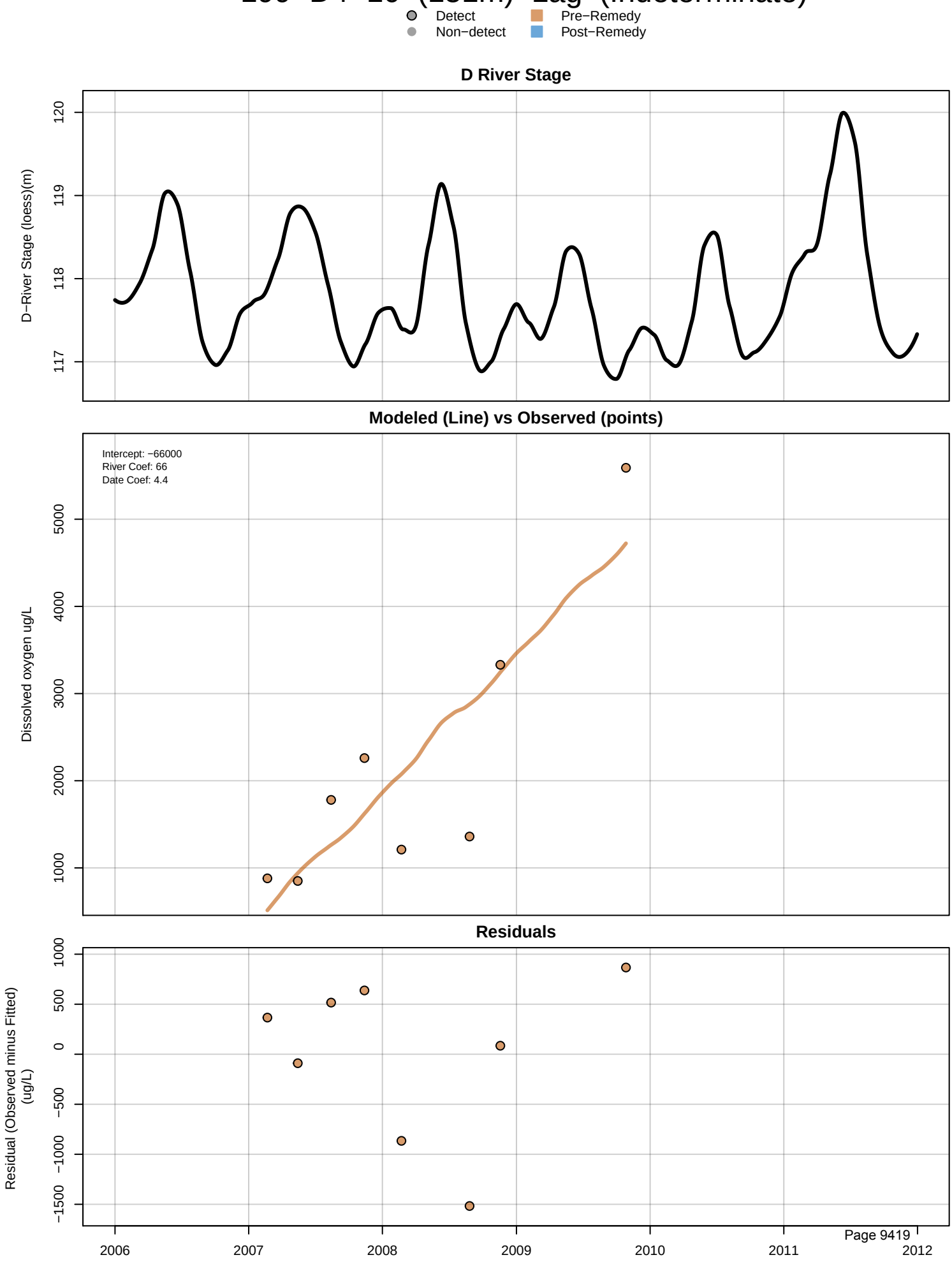
Detect
Non−detect
Pre−Remedy
Post−Remedy



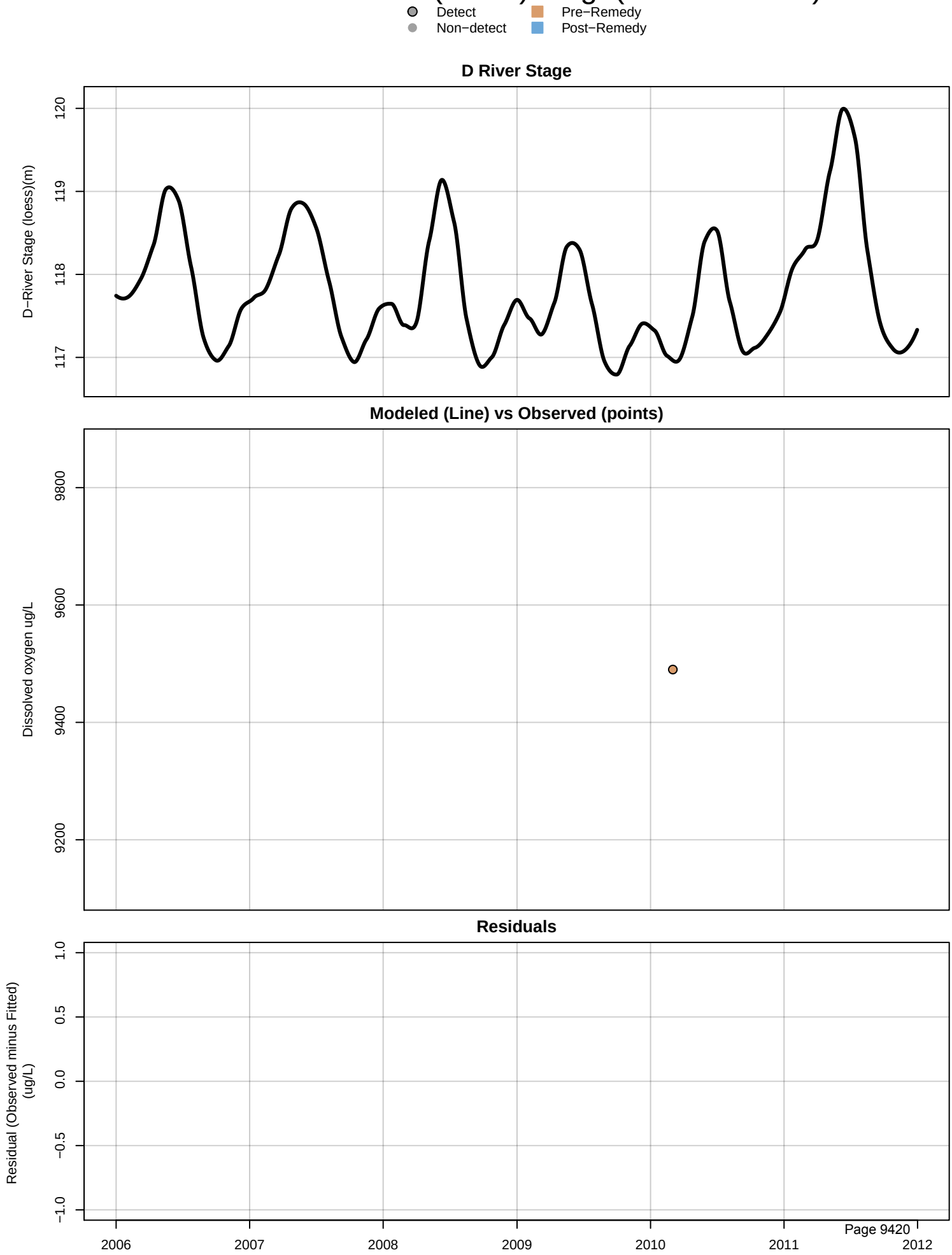




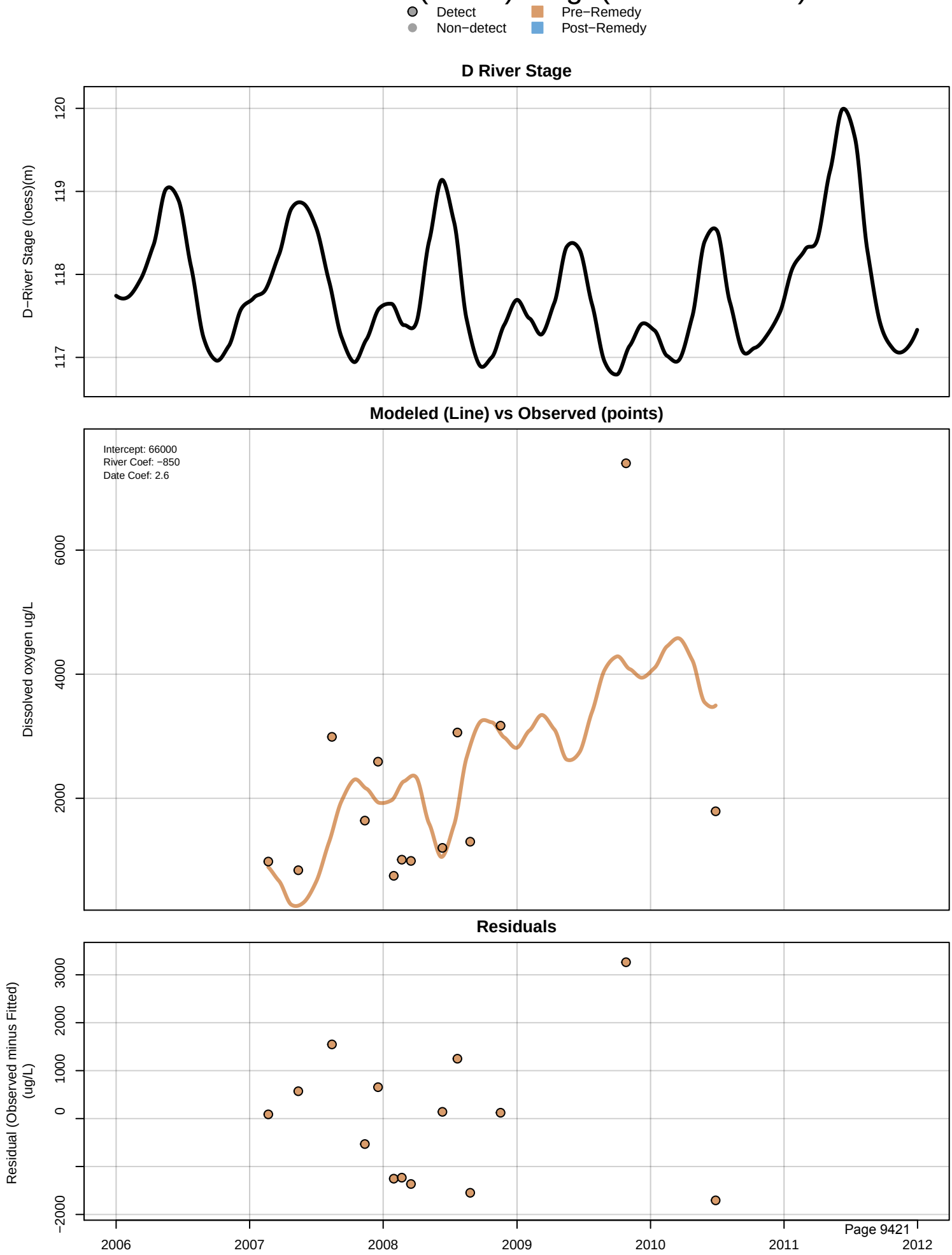
199−D4−10 (151m) Lag (Indeterminate)



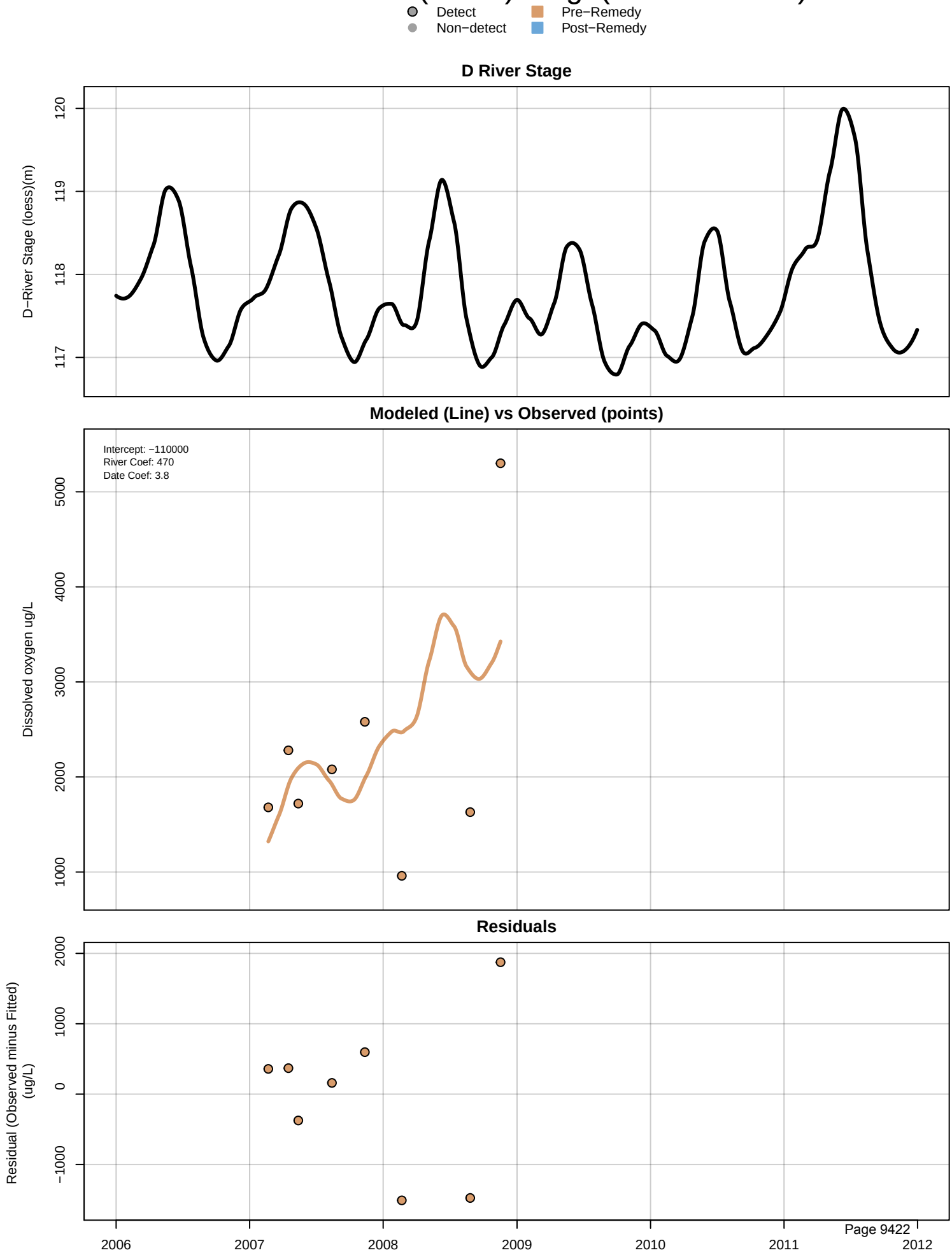
199−D4−101* (263m) Lag (Indeterminate)



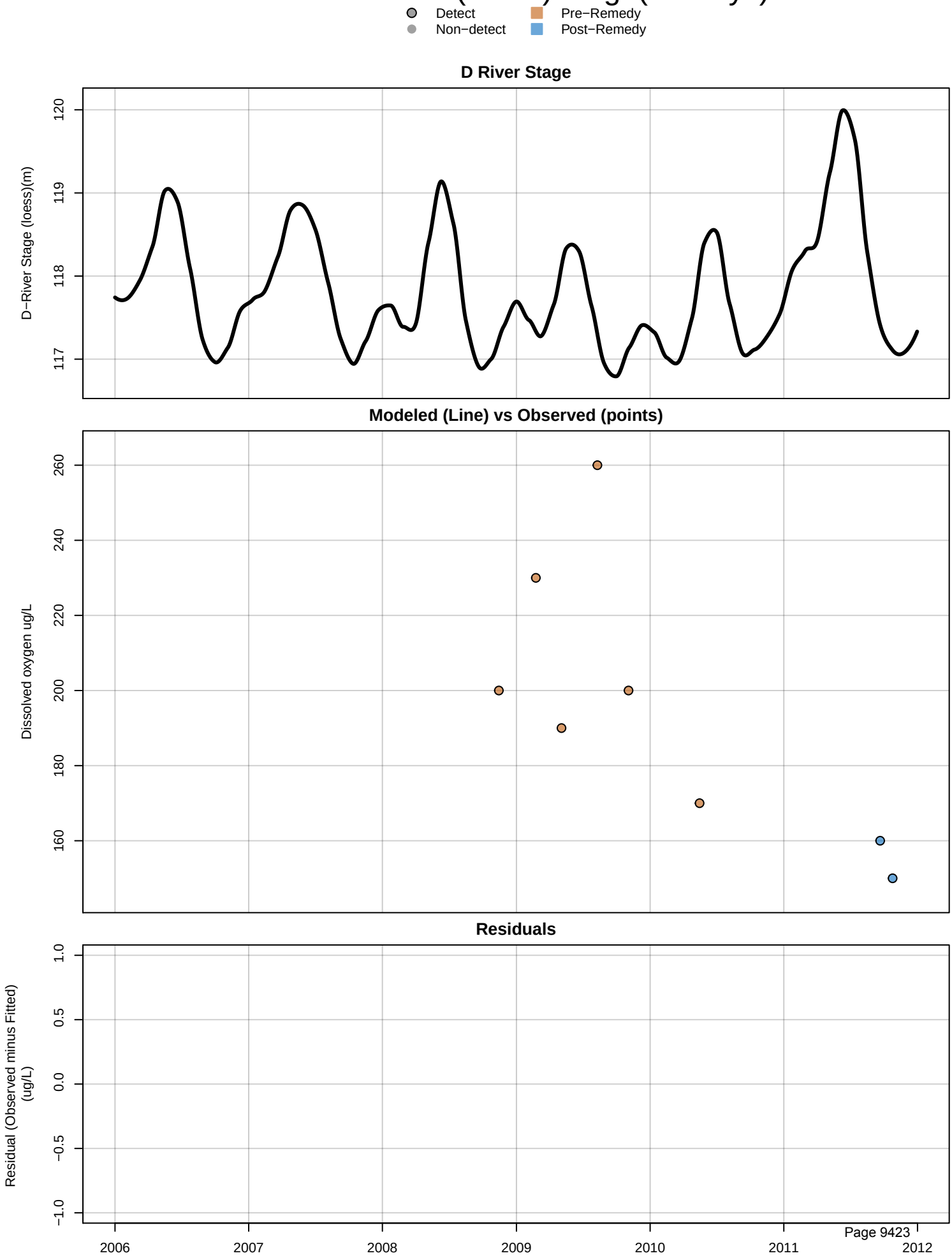
199−D4−11 (147m) Lag (Indeterminate)



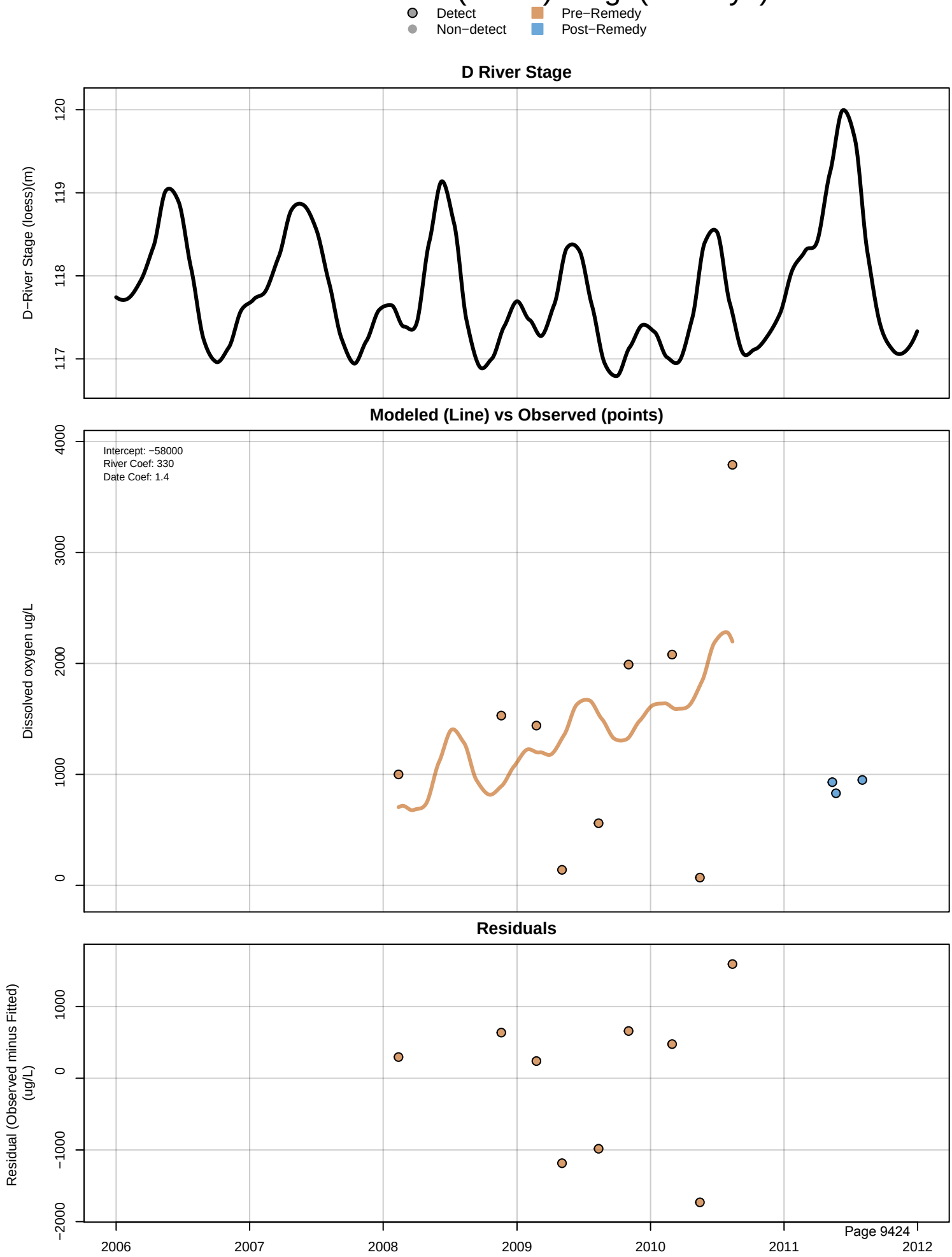
199−D4−12 (141m) Lag (Indeterminate)



199−D4−13 (162m) Lag (27 Days)

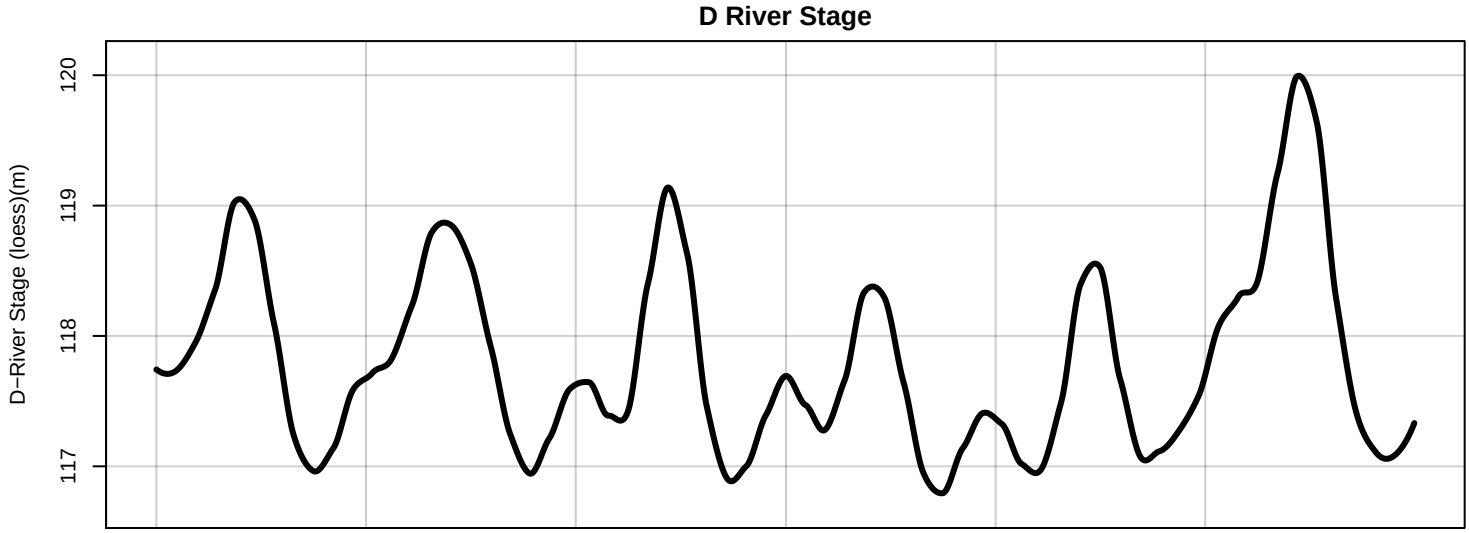


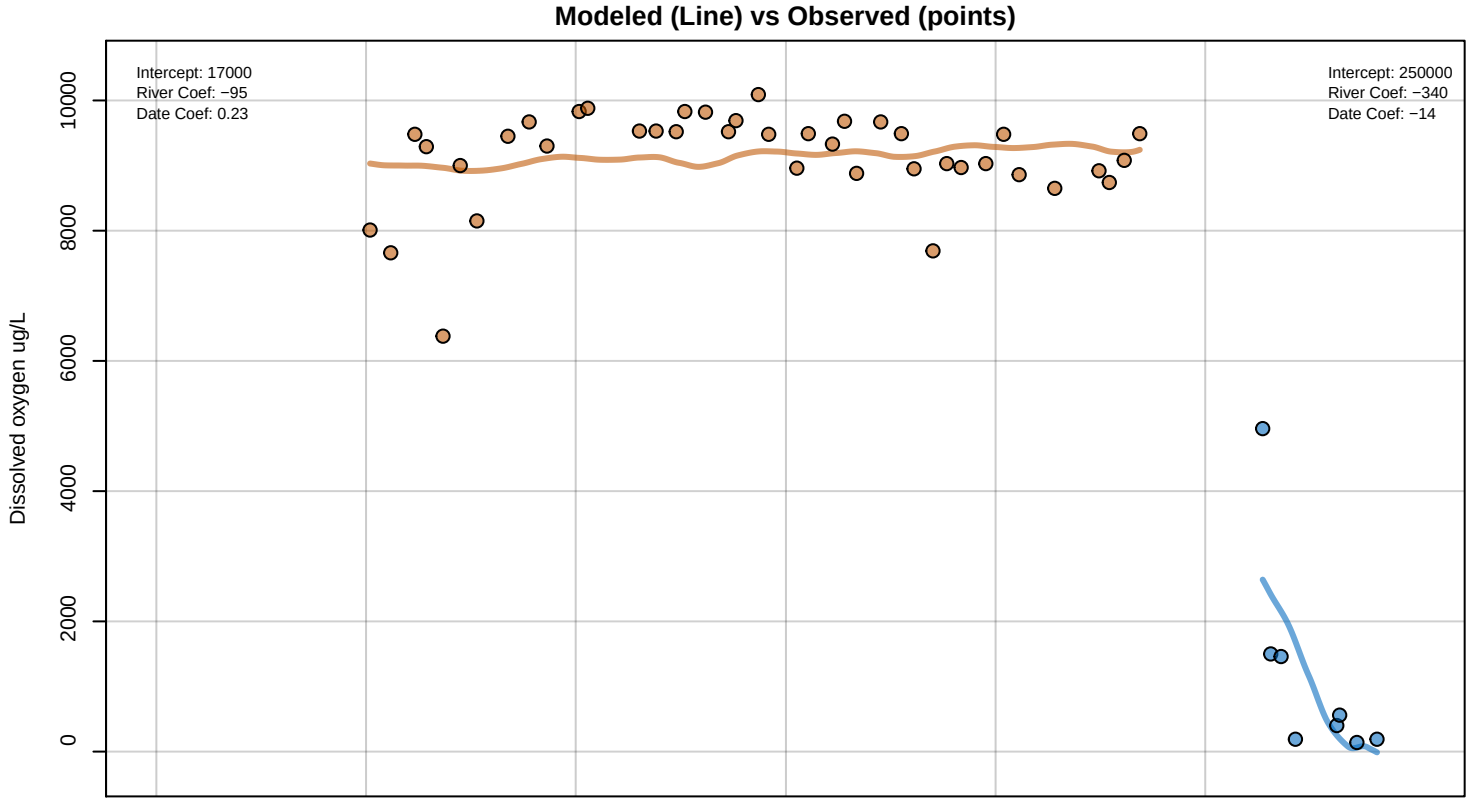
199−D4−14 (108m) Lag (27 Days)

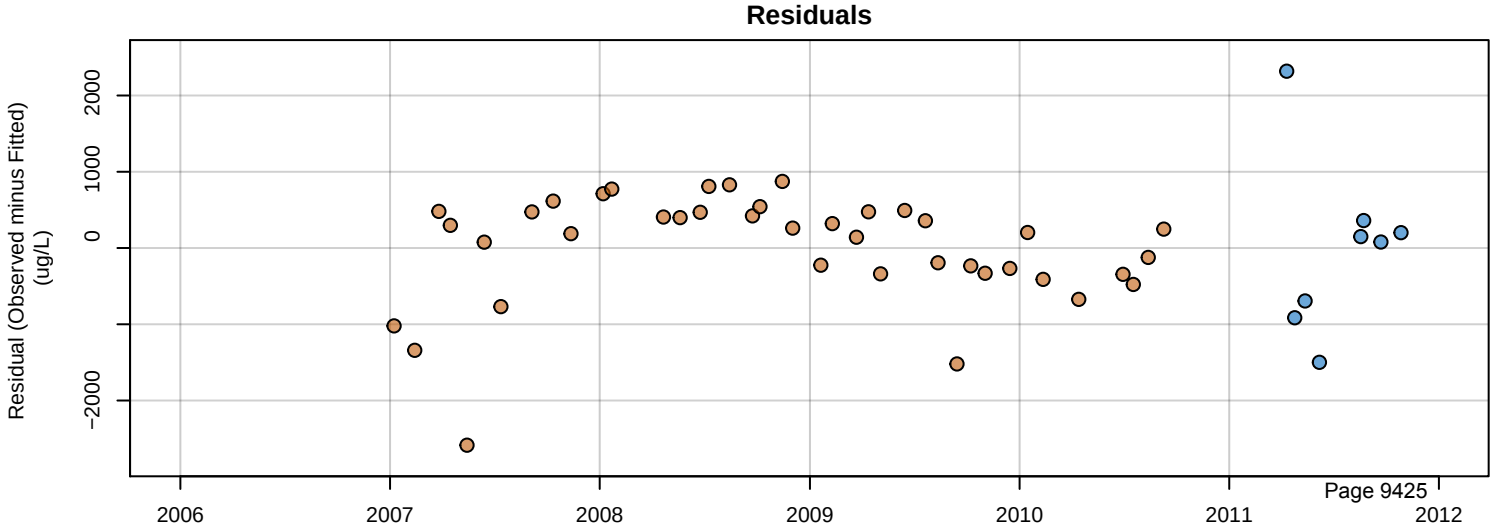


199−D4−15 (344m) Lag (54 Days)

Detect
Non−detect
Pre−Remedy
Post−Remedy

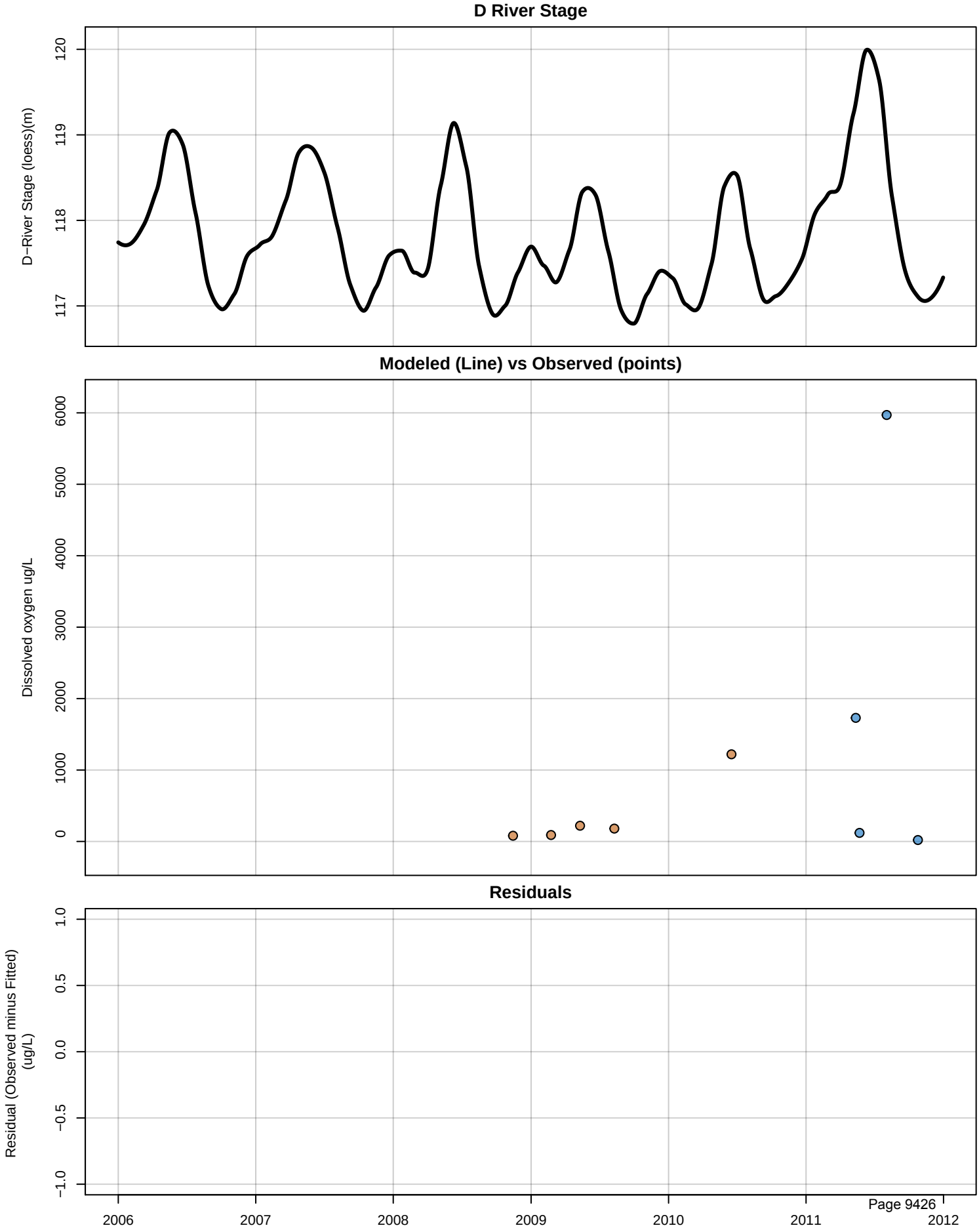






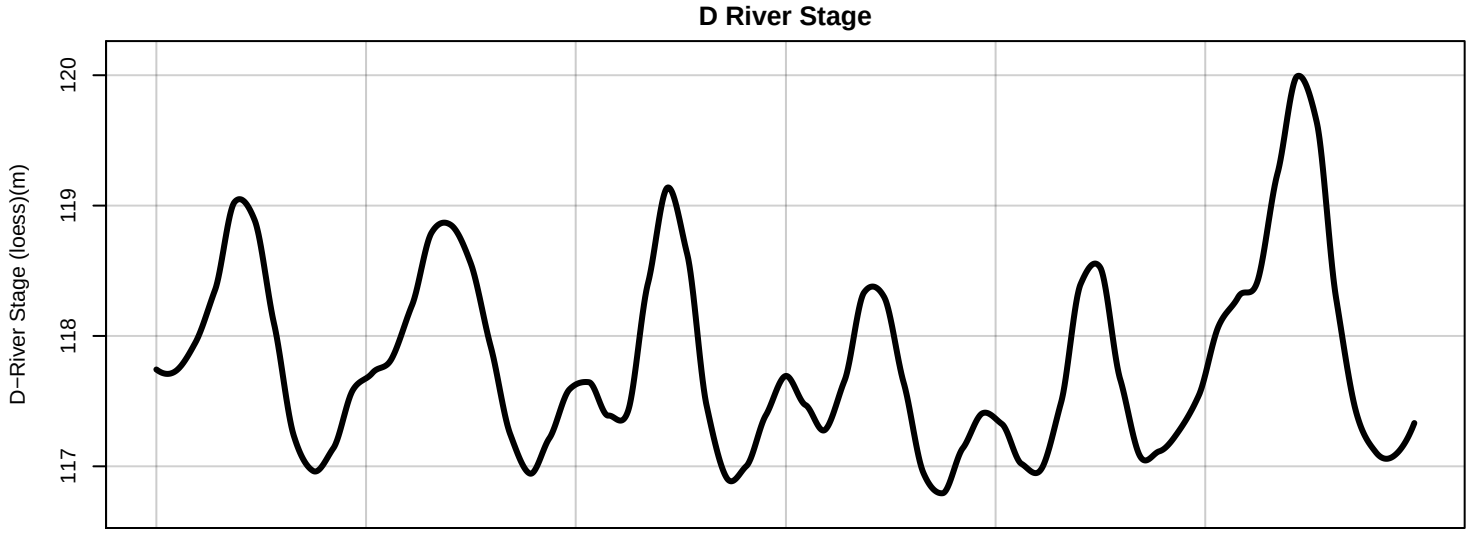
199−D4−19 (182m) Lag (20 Days)

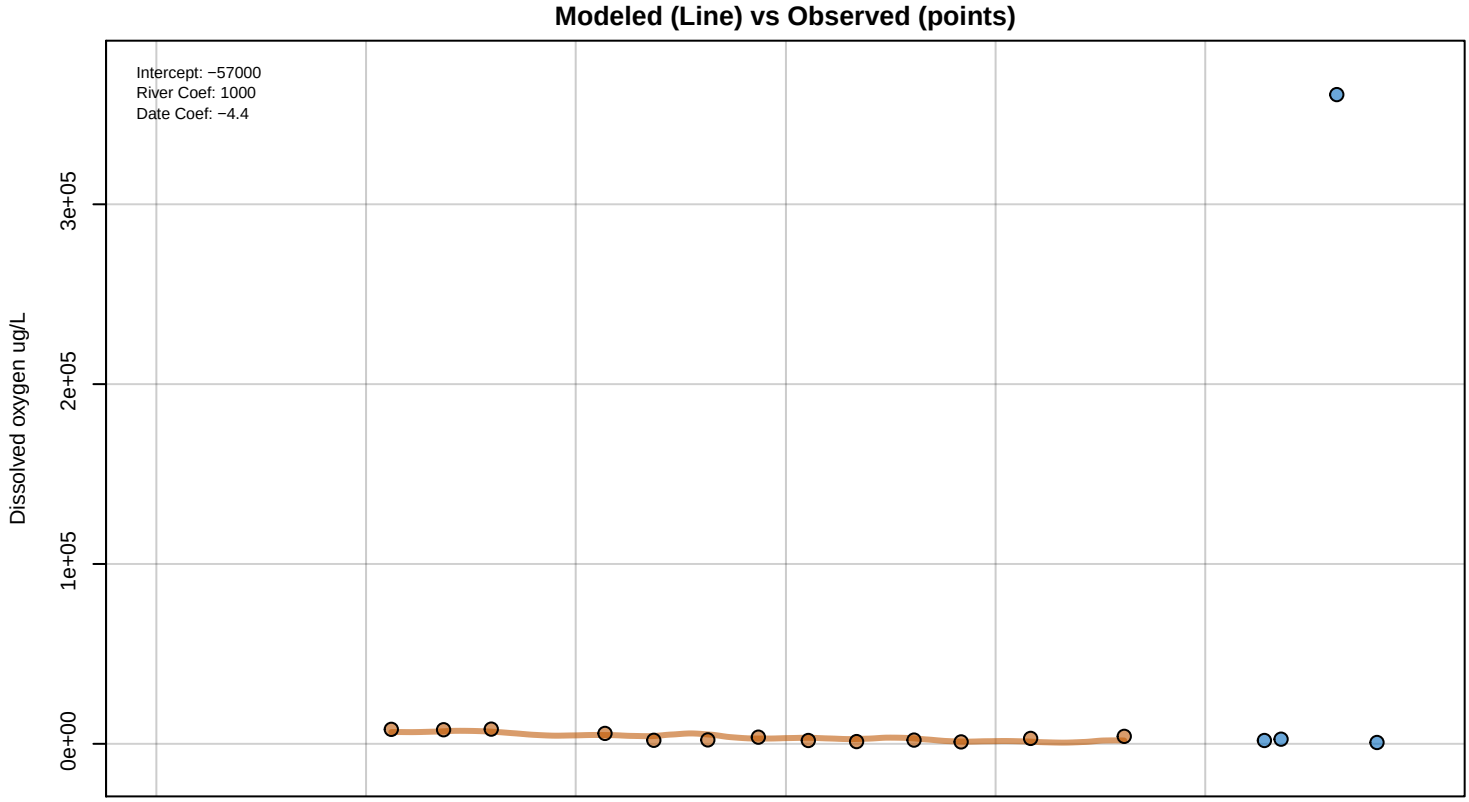
Detect
Non−detect
Pre−Remedy
Post−Remedy

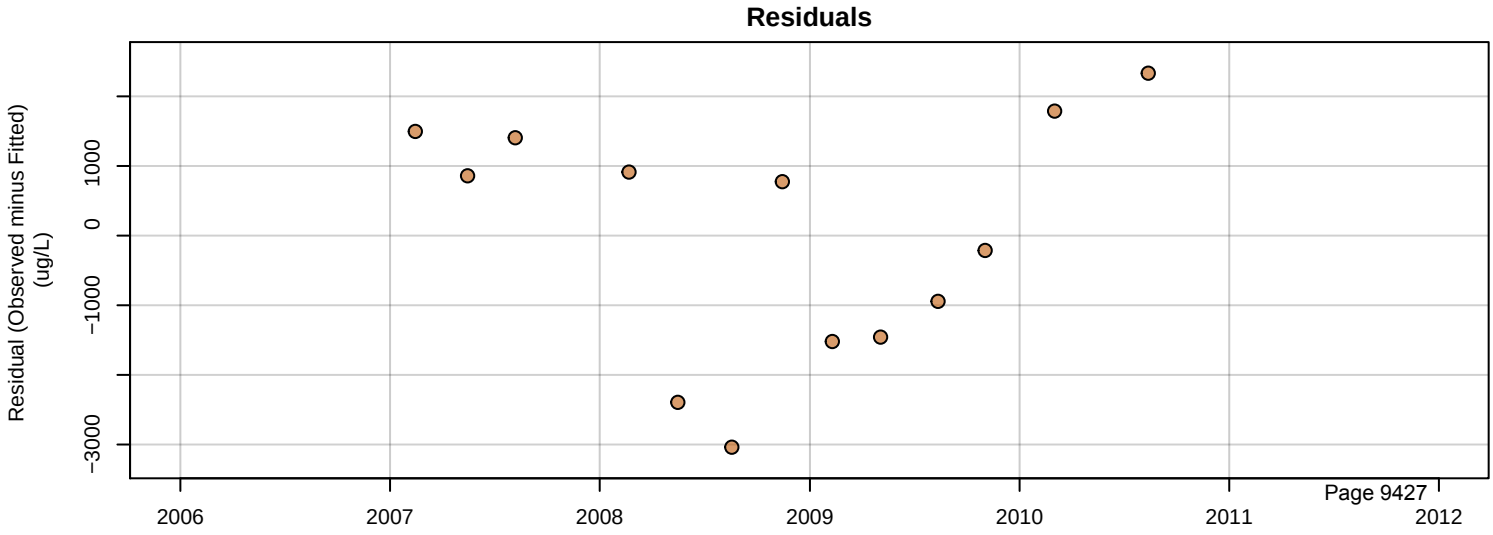


199−D4−20 (370m) Lag (41 Days)

Detect
Non−detect
Pre−Remedy
Post−Remedy

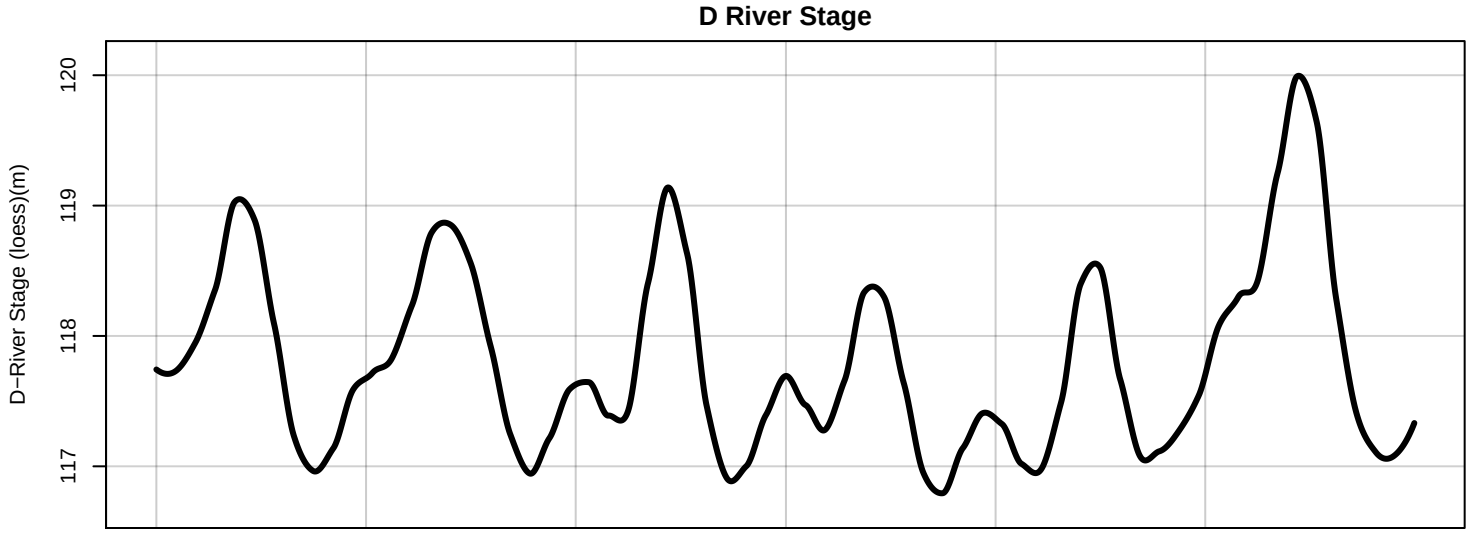


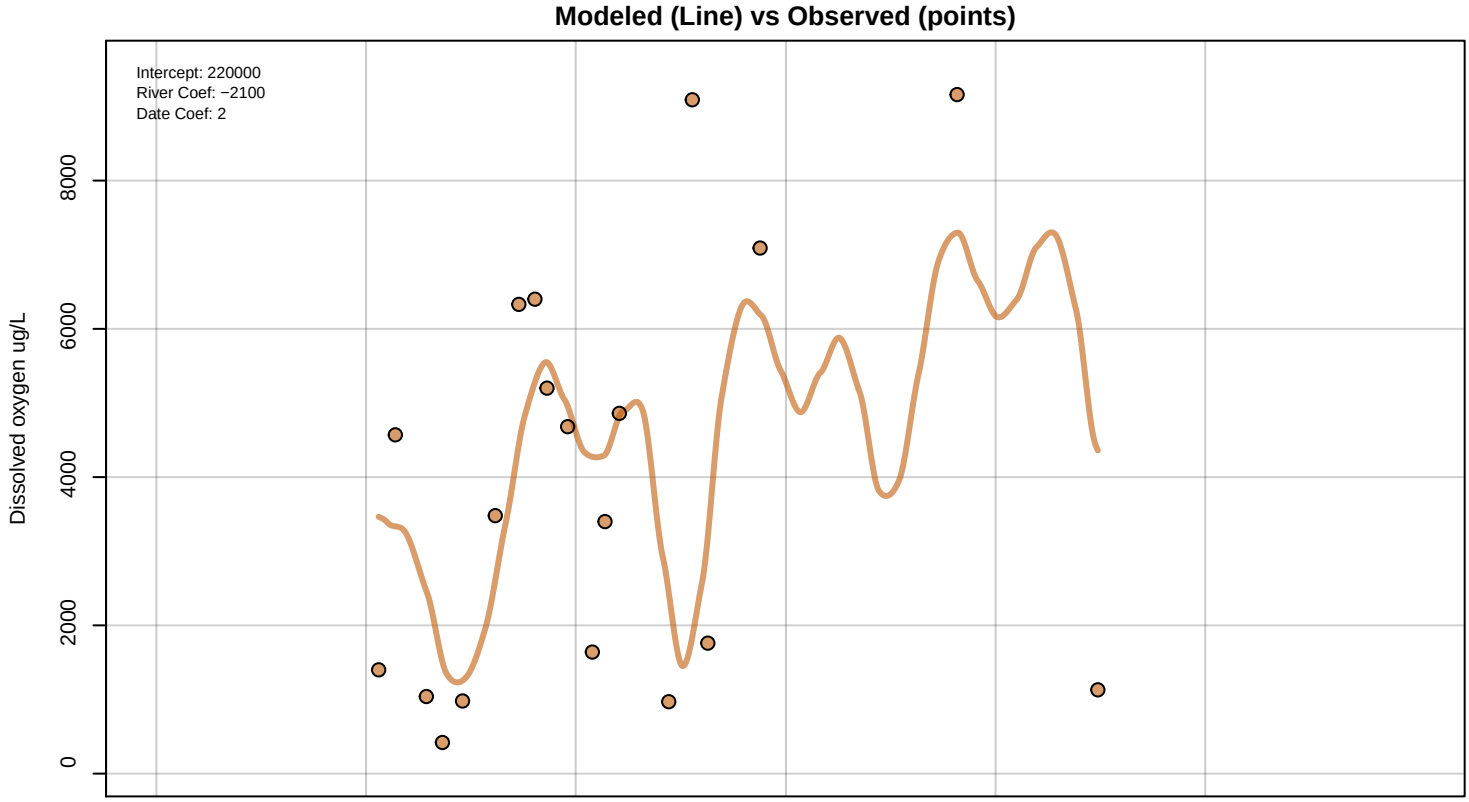


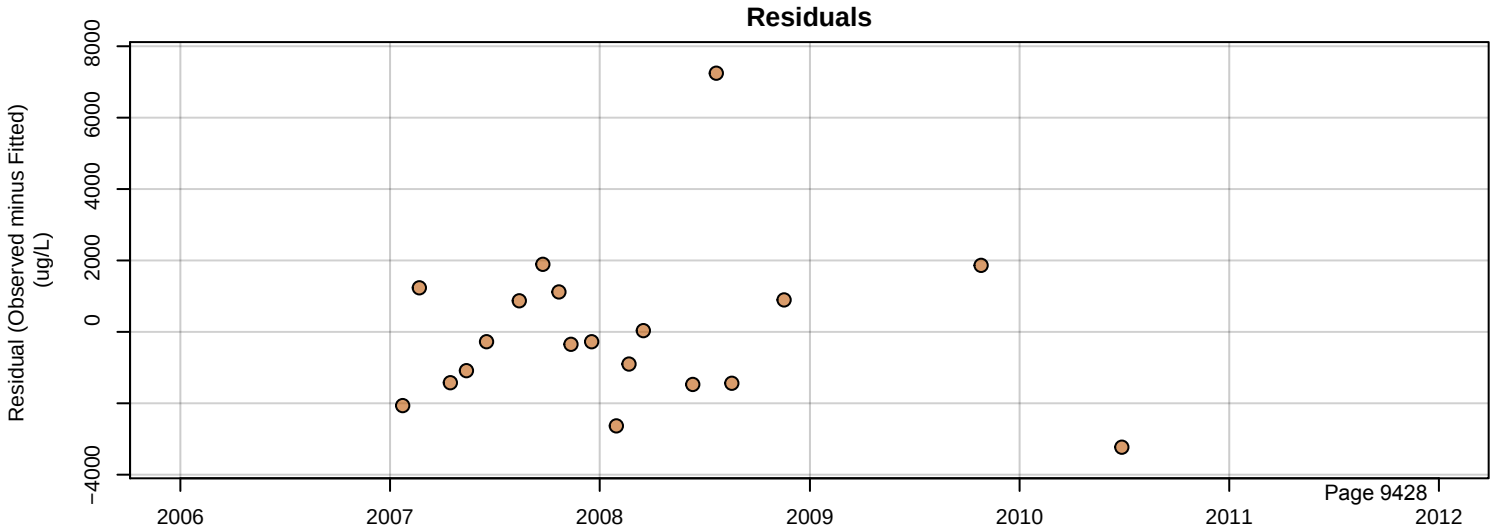


199−D4−21 (139m) Lag (26 Days)

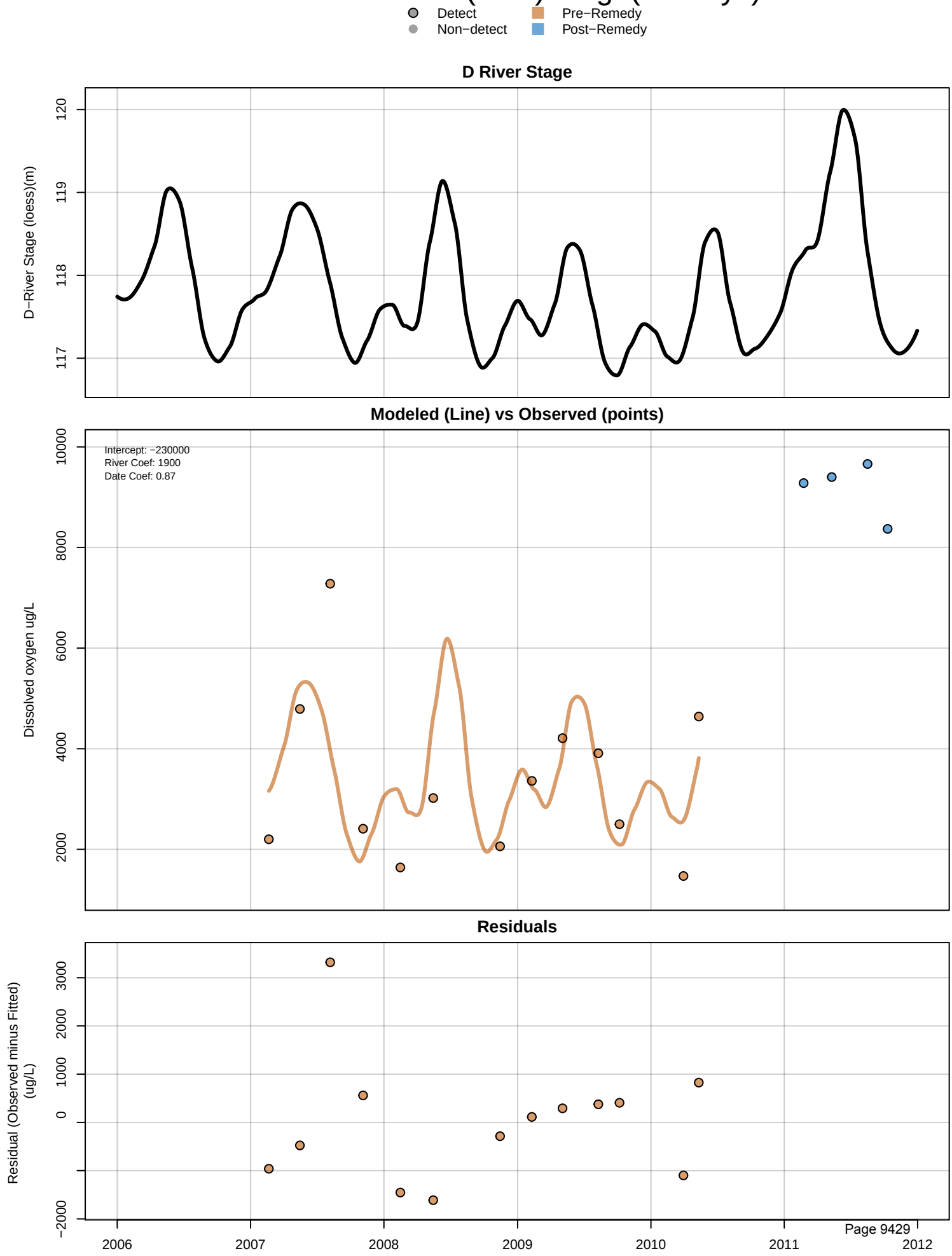
Detect
Non−detect
Pre−Remedy
Post−Remedy



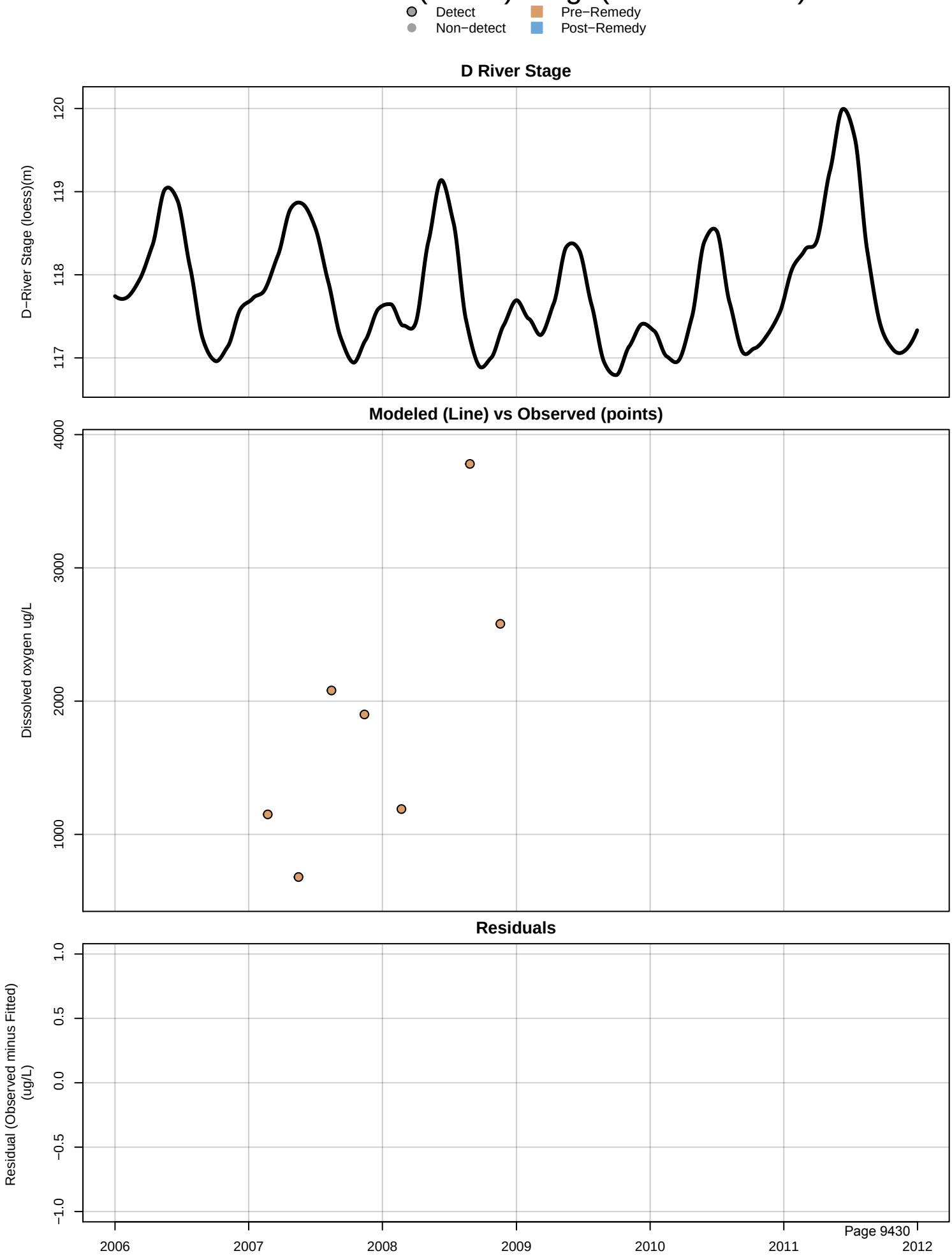




199−D4−23 (62m) Lag (12 Days)

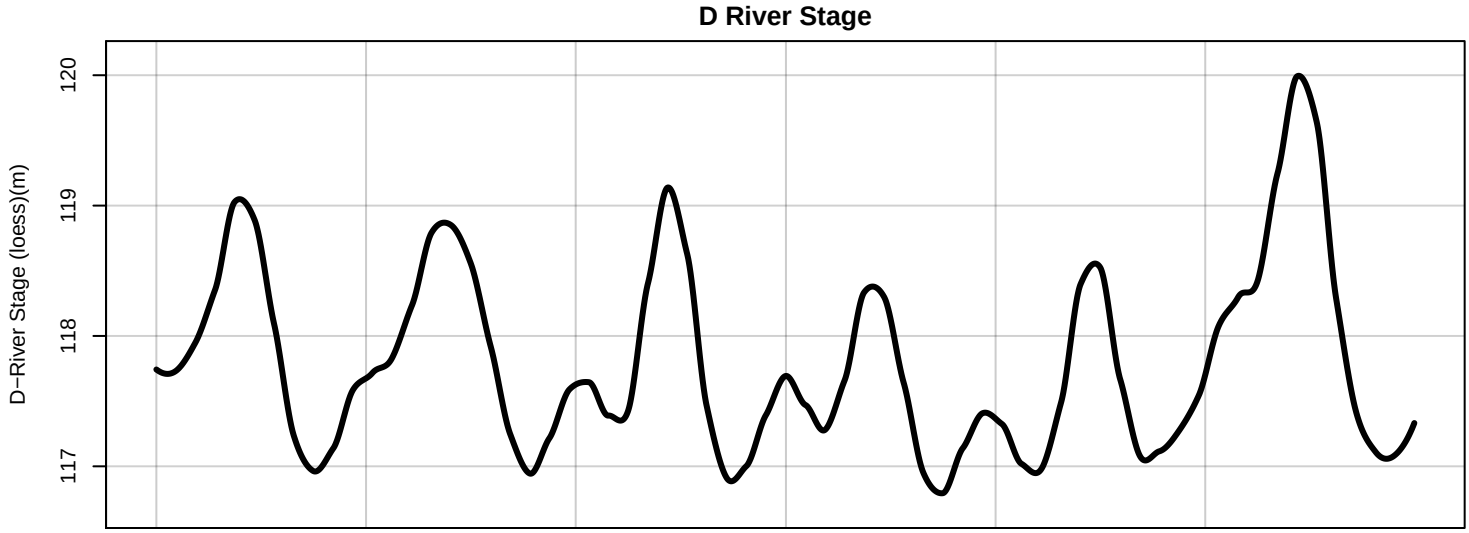


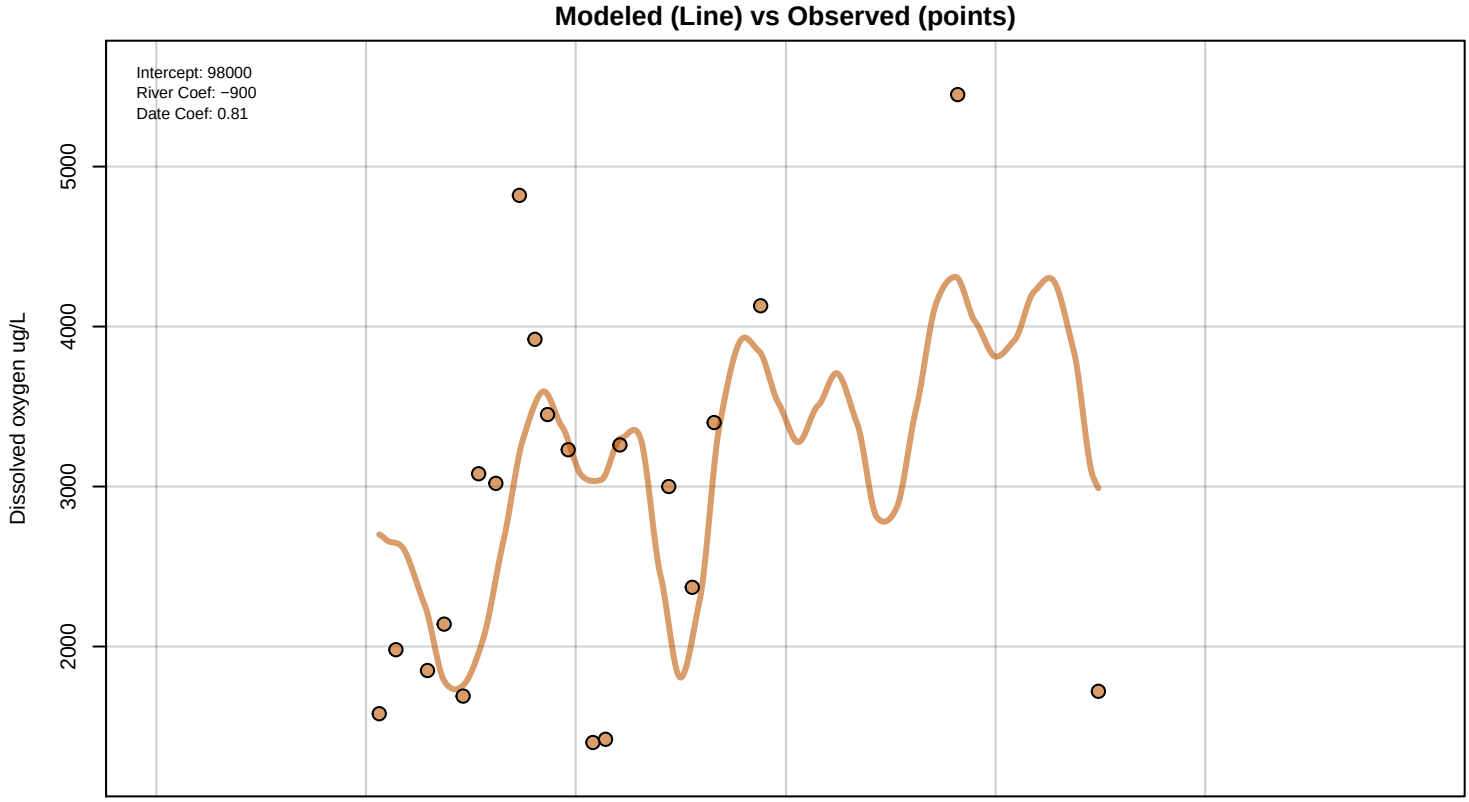
199−D4−24 (155m) Lag (Indeterminate)

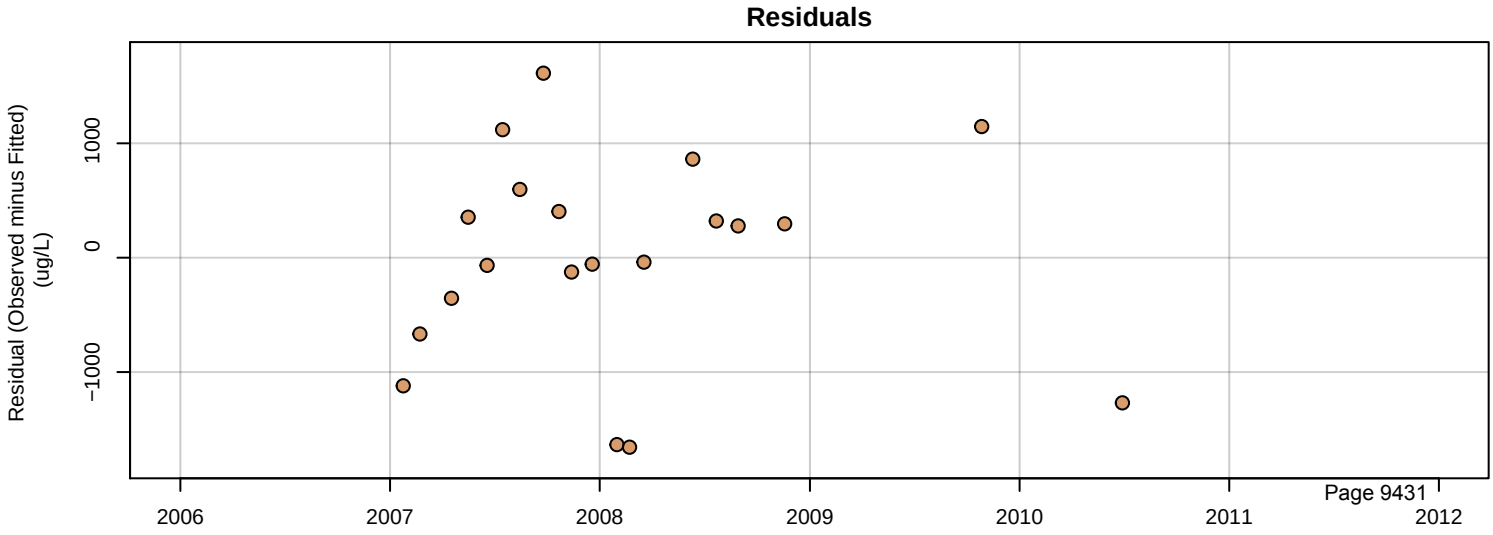


199−D4−25 (162m) Lag (22 Days)

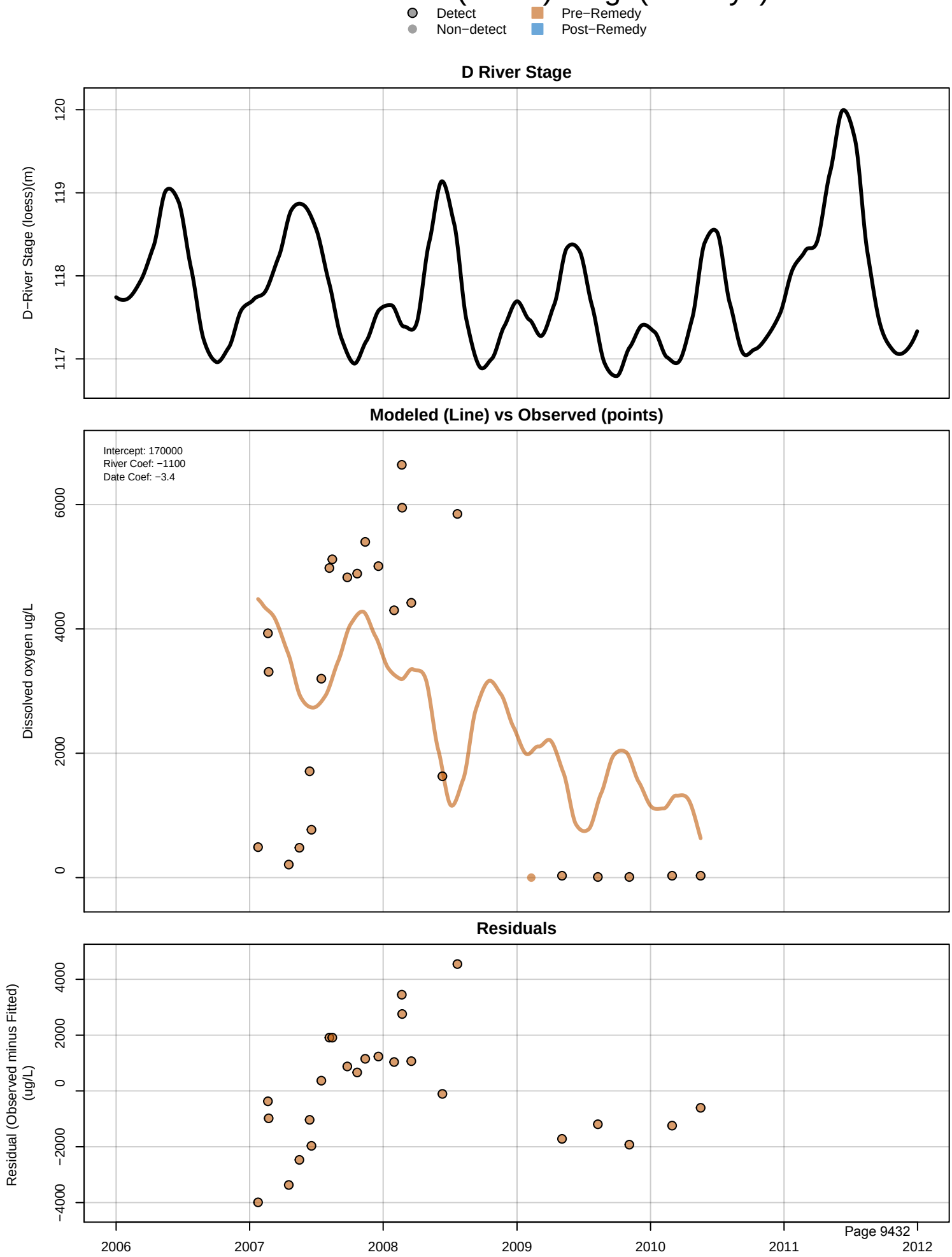
Detect
Non−detect
Pre−Remedy
Post−Remedy





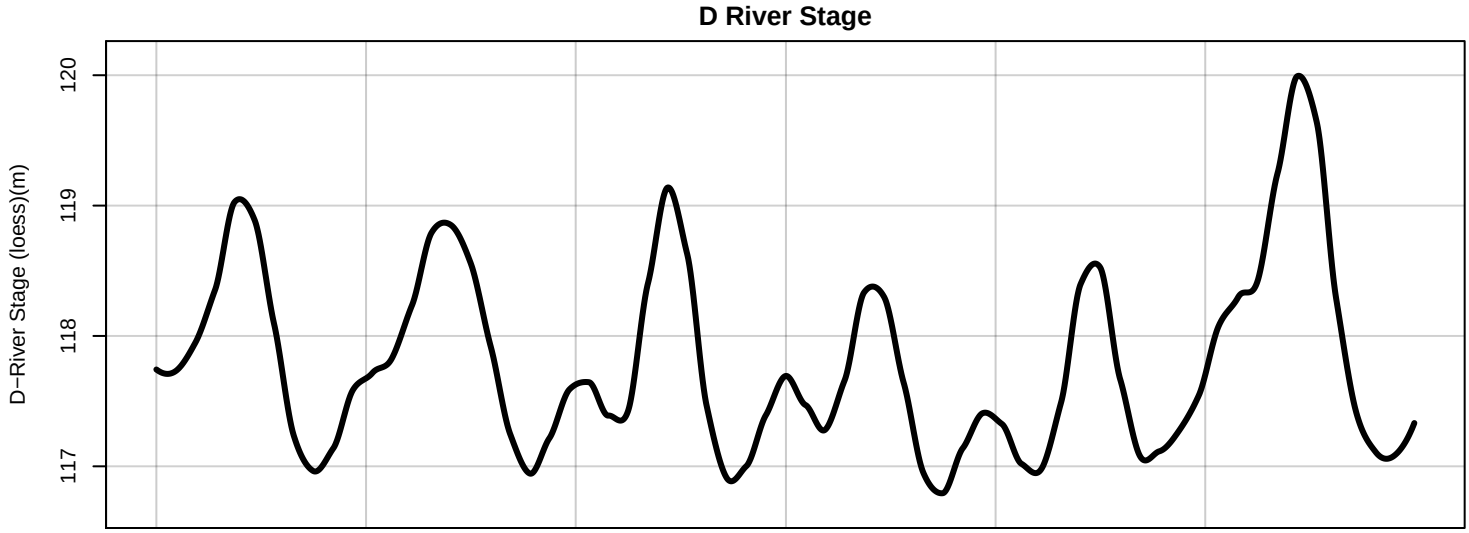


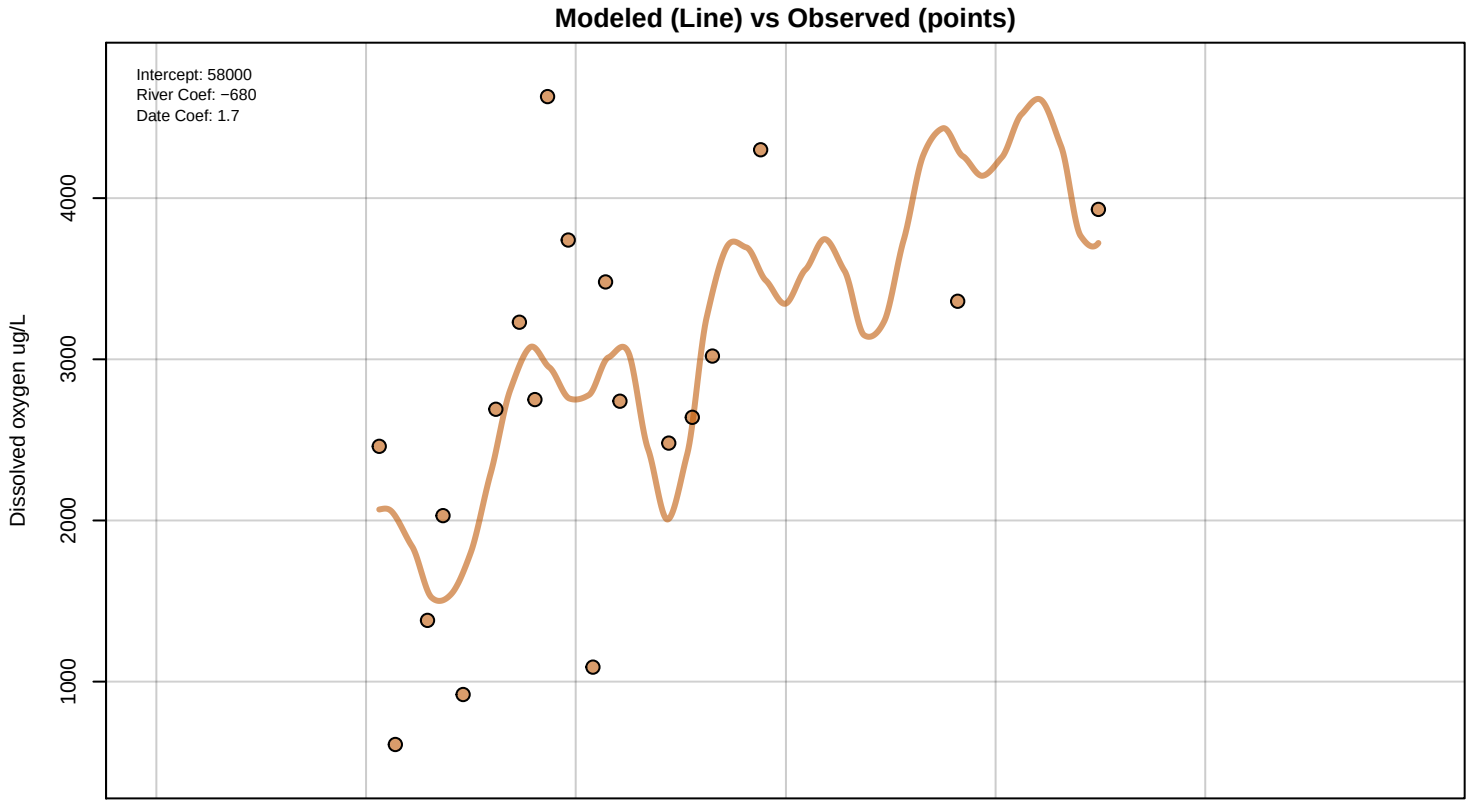
199−D4−26 (155m) Lag (25 Days)

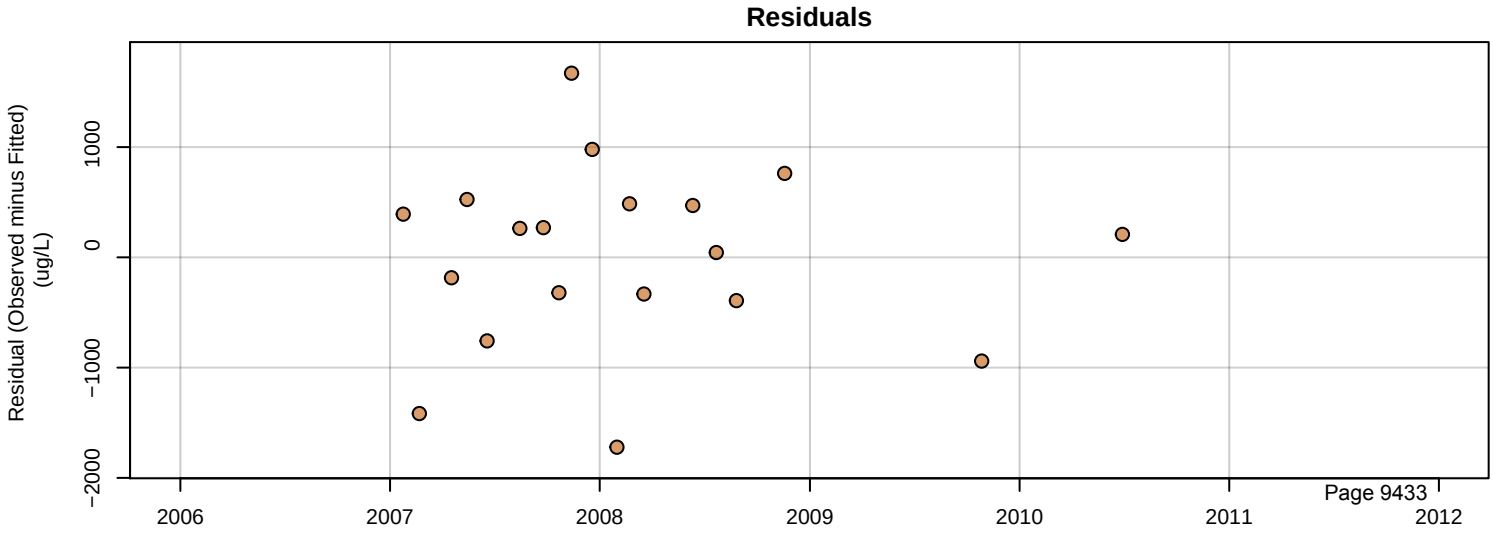


199−D4−28 (156m) Lag (Indeterminate)

Detect
Non−detect
Pre−Remedy
Post−Remedy

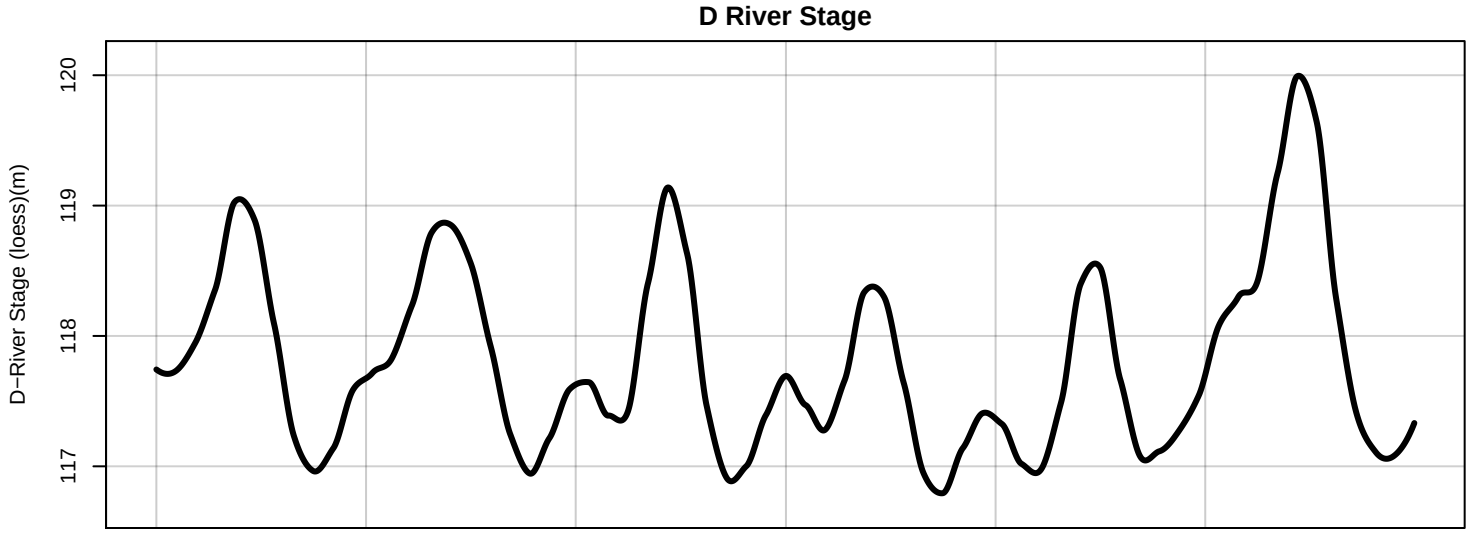


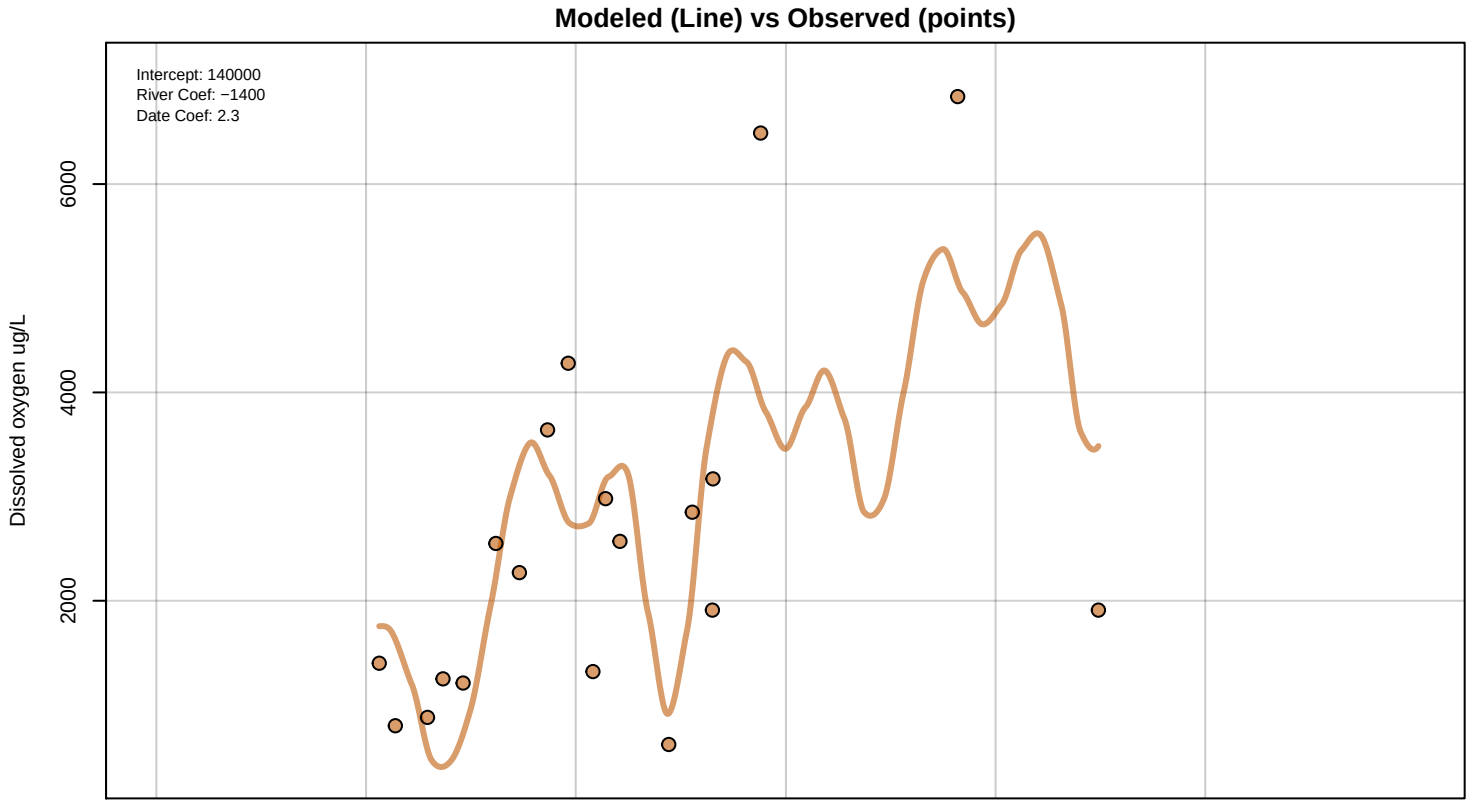


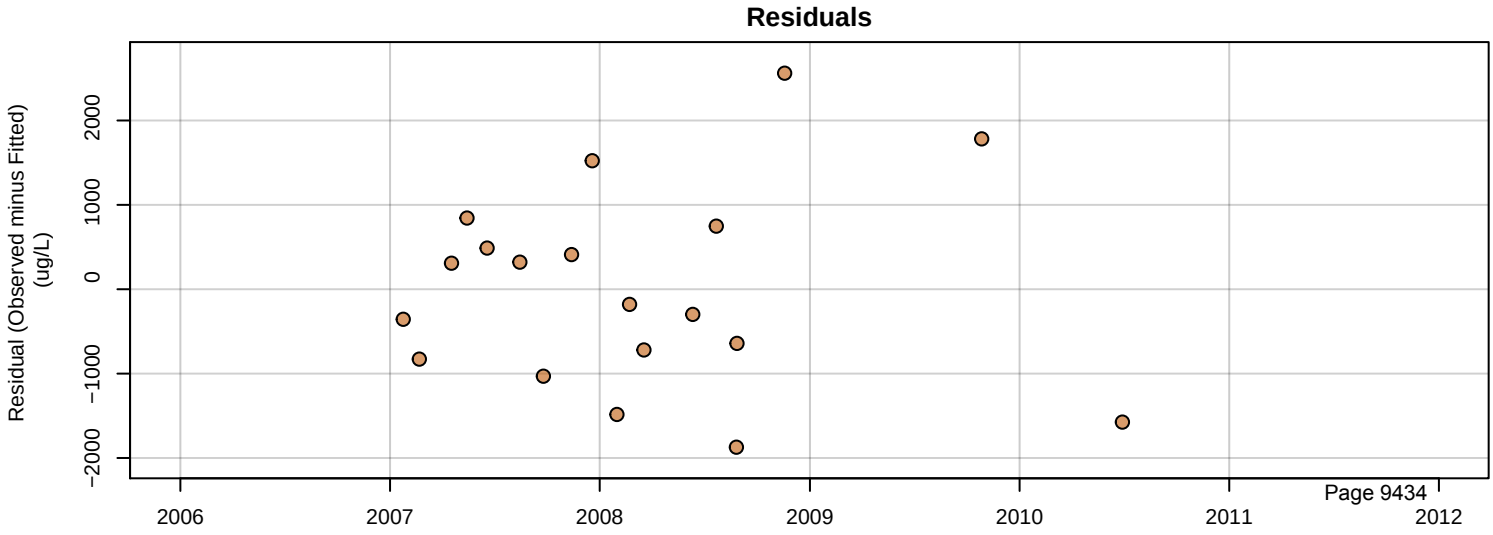


199−D4−29 (163m) Lag (Indeterminate)

Detect
Non−detect
Pre−Remedy
Post−Remedy

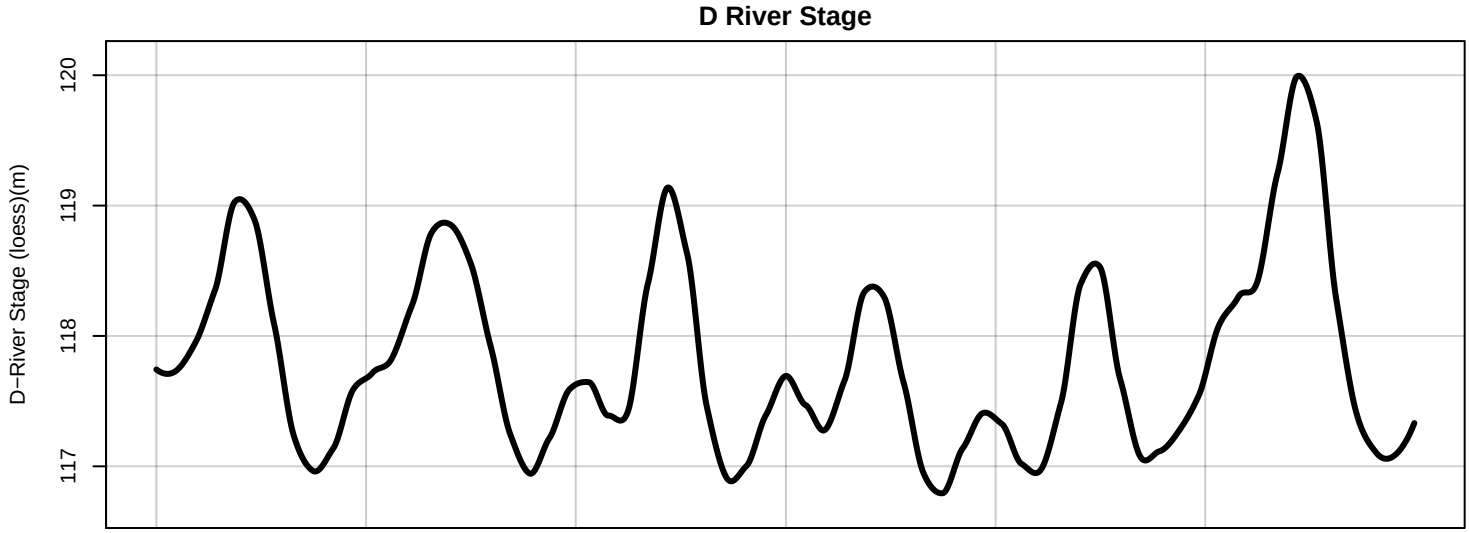


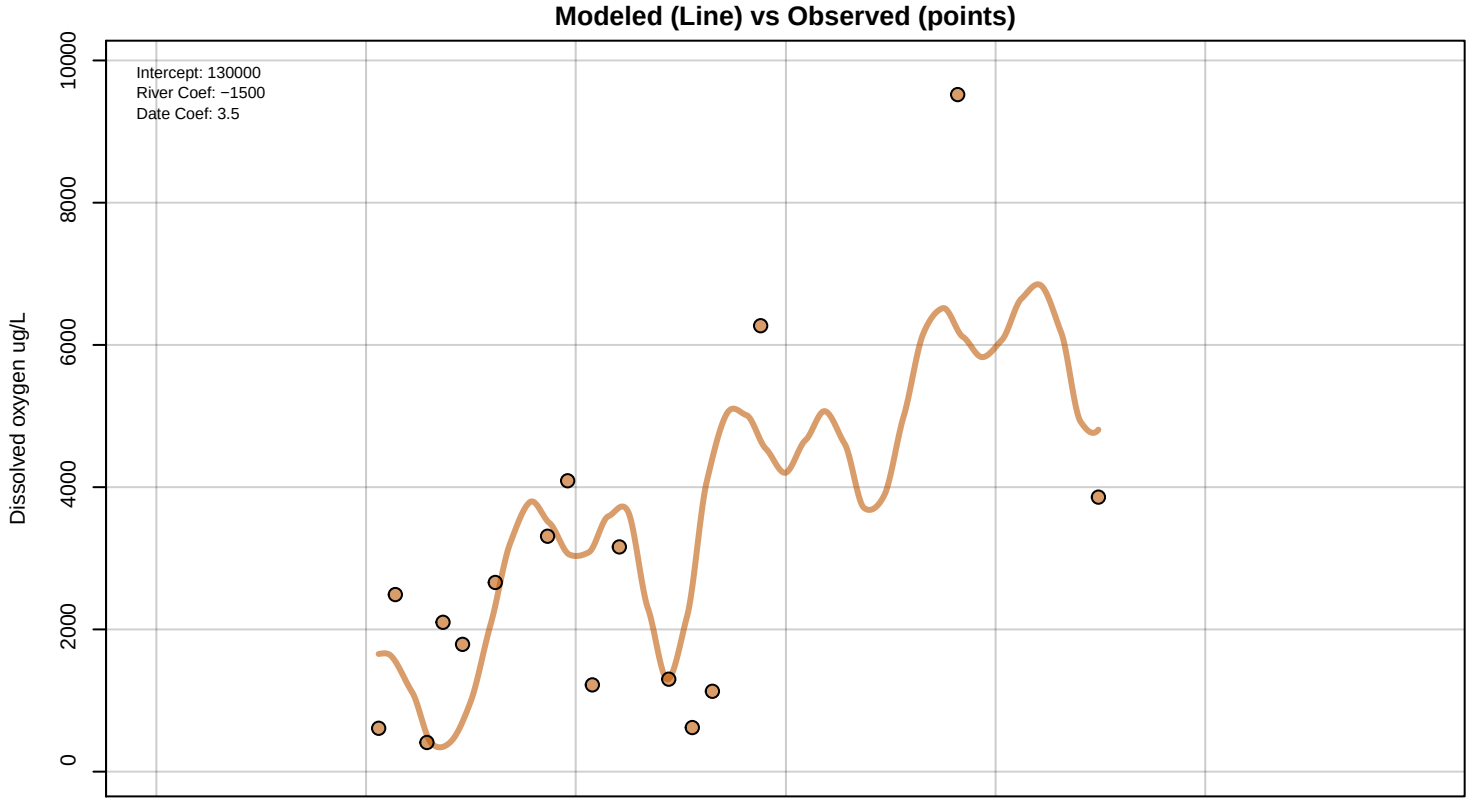


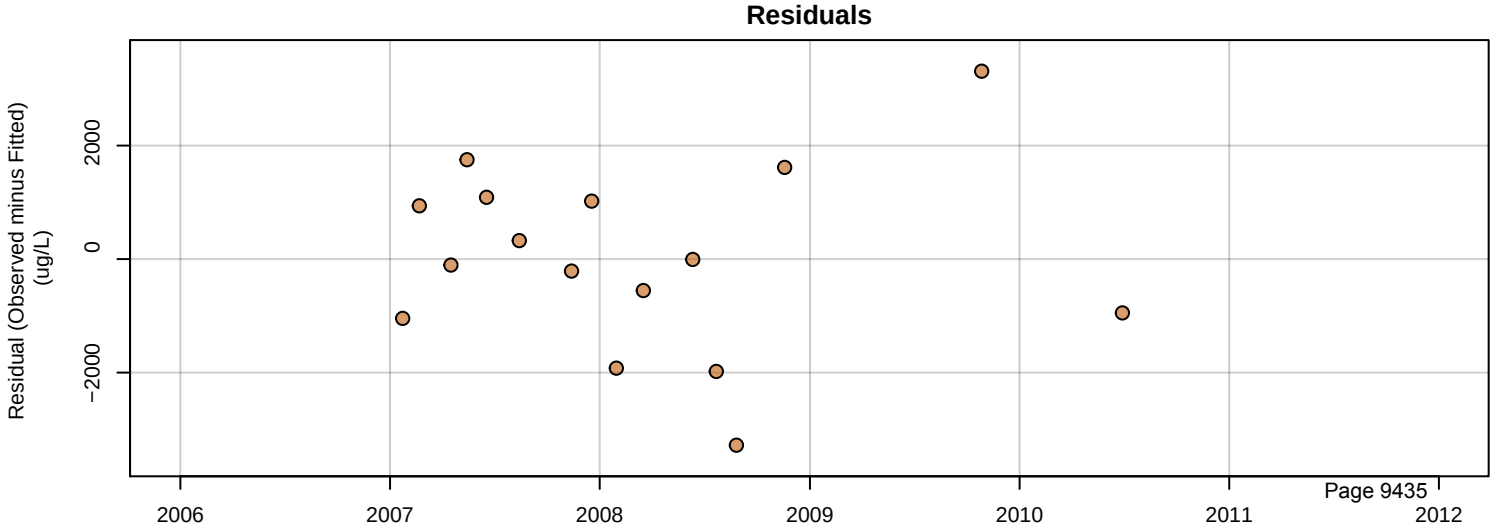


199−D4−3 (152m) Lag (Indeterminate)

Detect
Non−detect
Pre−Remedy
Post−Remedy

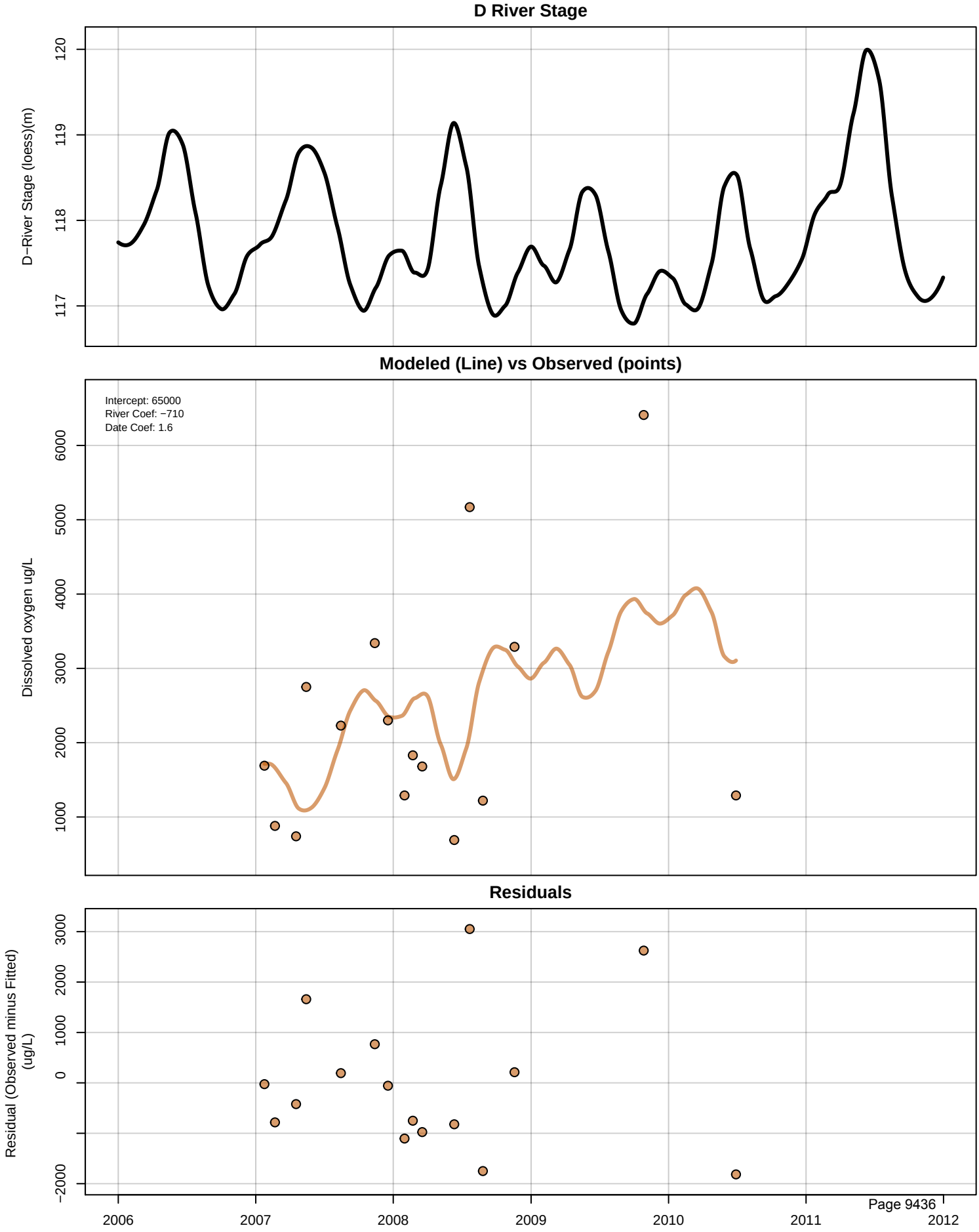






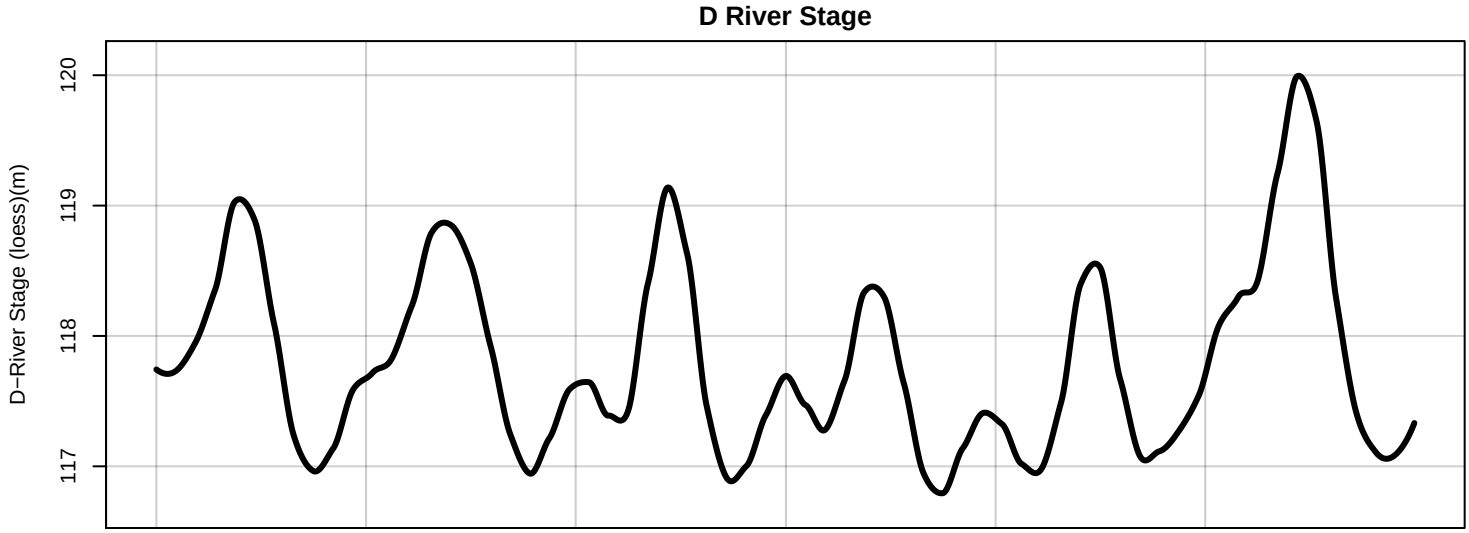
199−D4−30 (156m) Lag (Indeterminate)

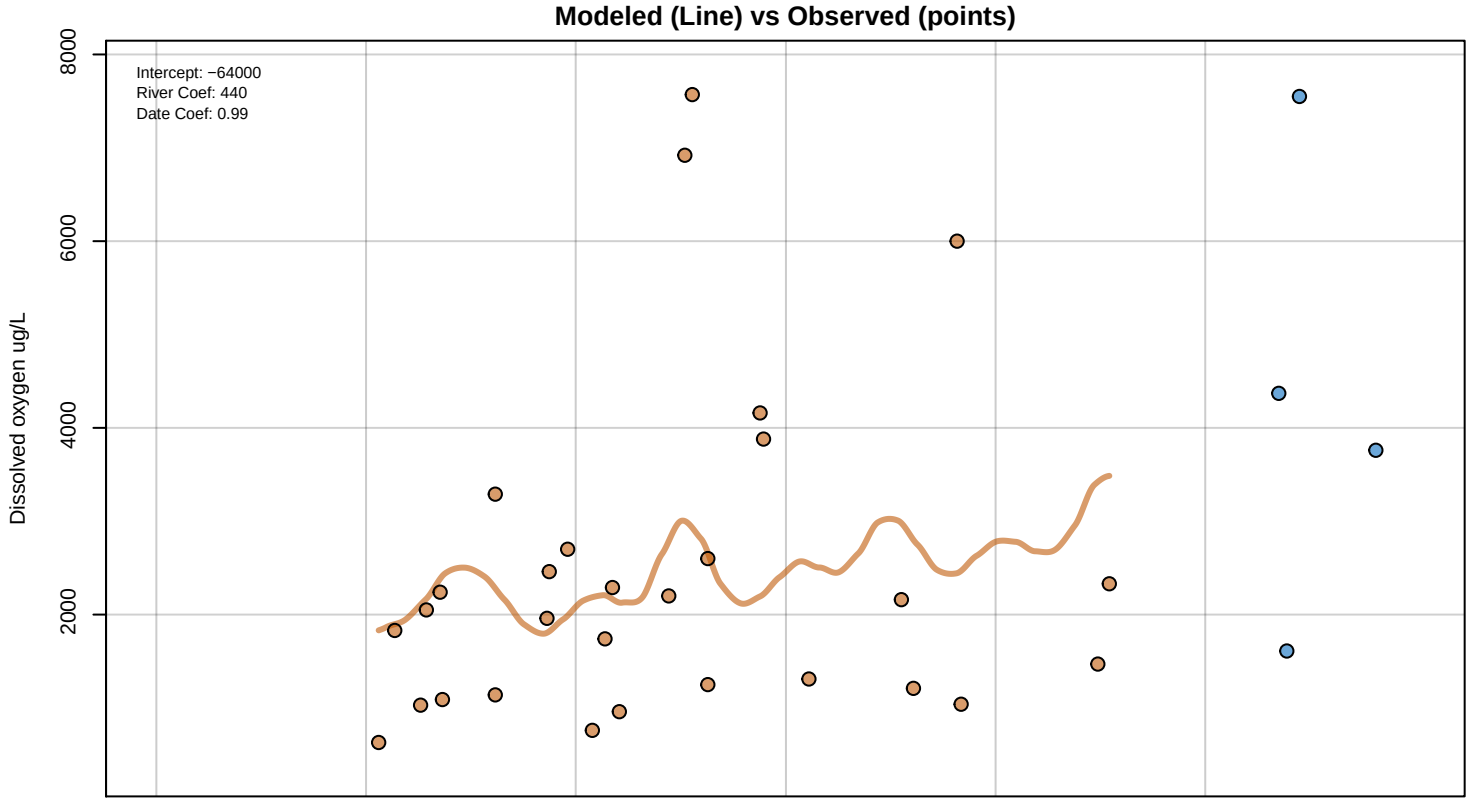
Detect
Non−detect
Pre−Remedy
Post−Remedy

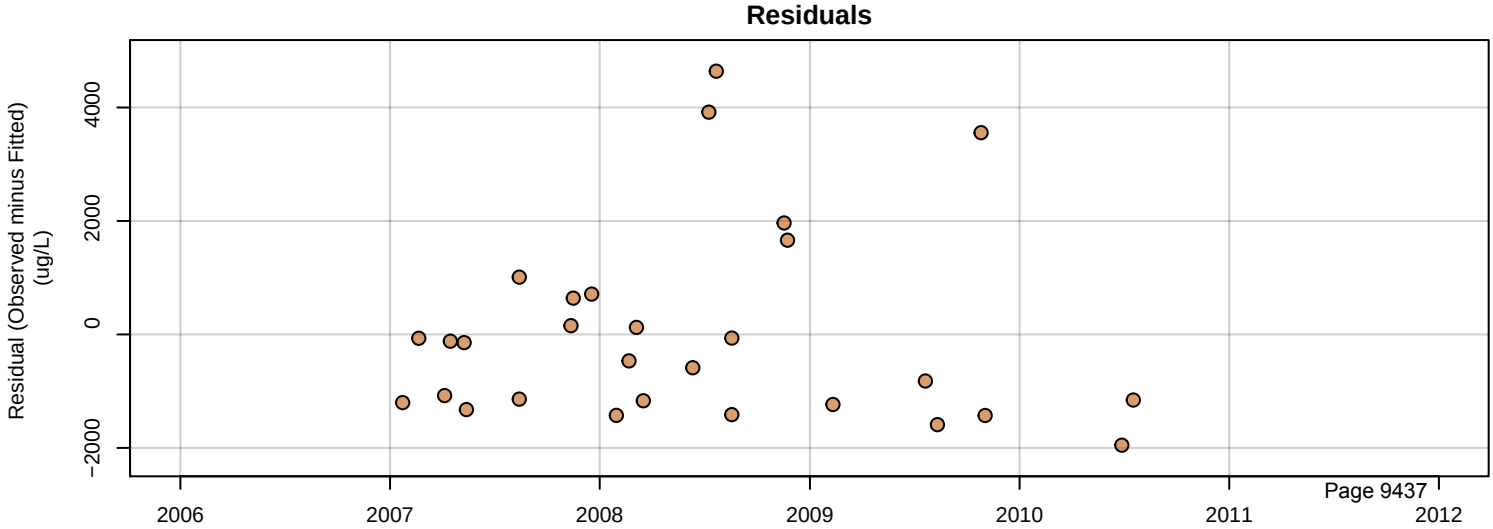


199−D4−32 (143m) Lag (24 Days)

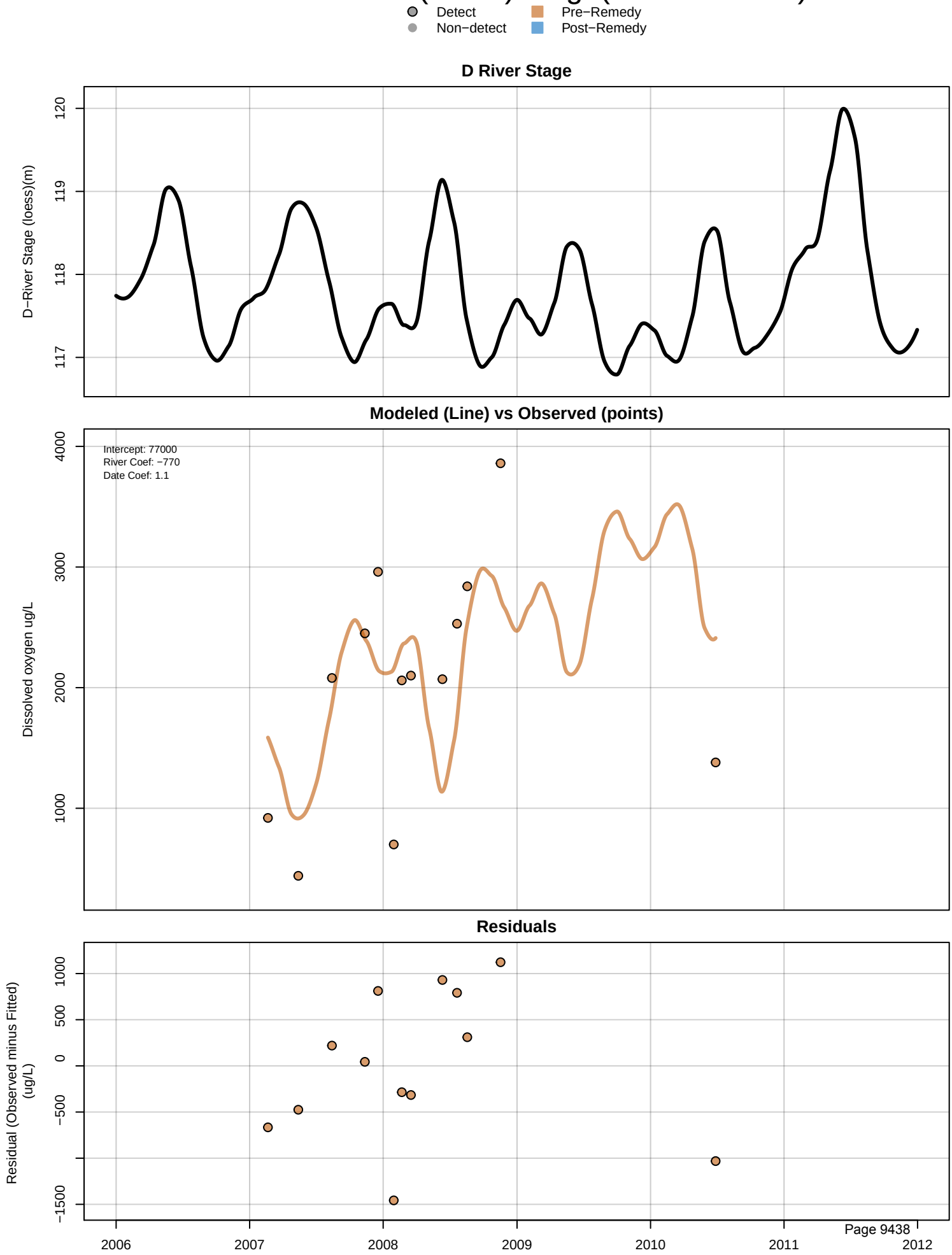
Detect
Non−detect
Pre−Remedy
Post−Remedy



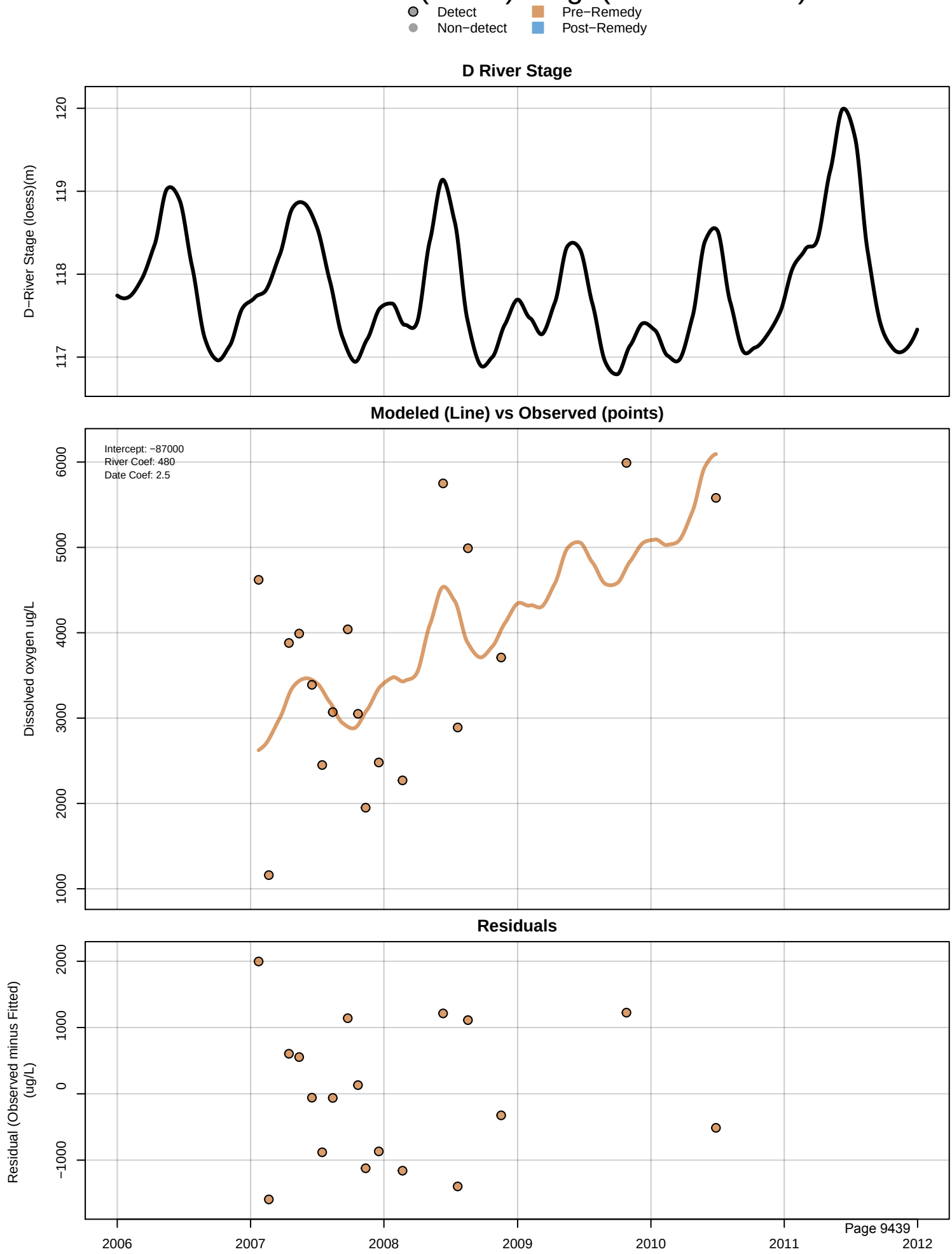




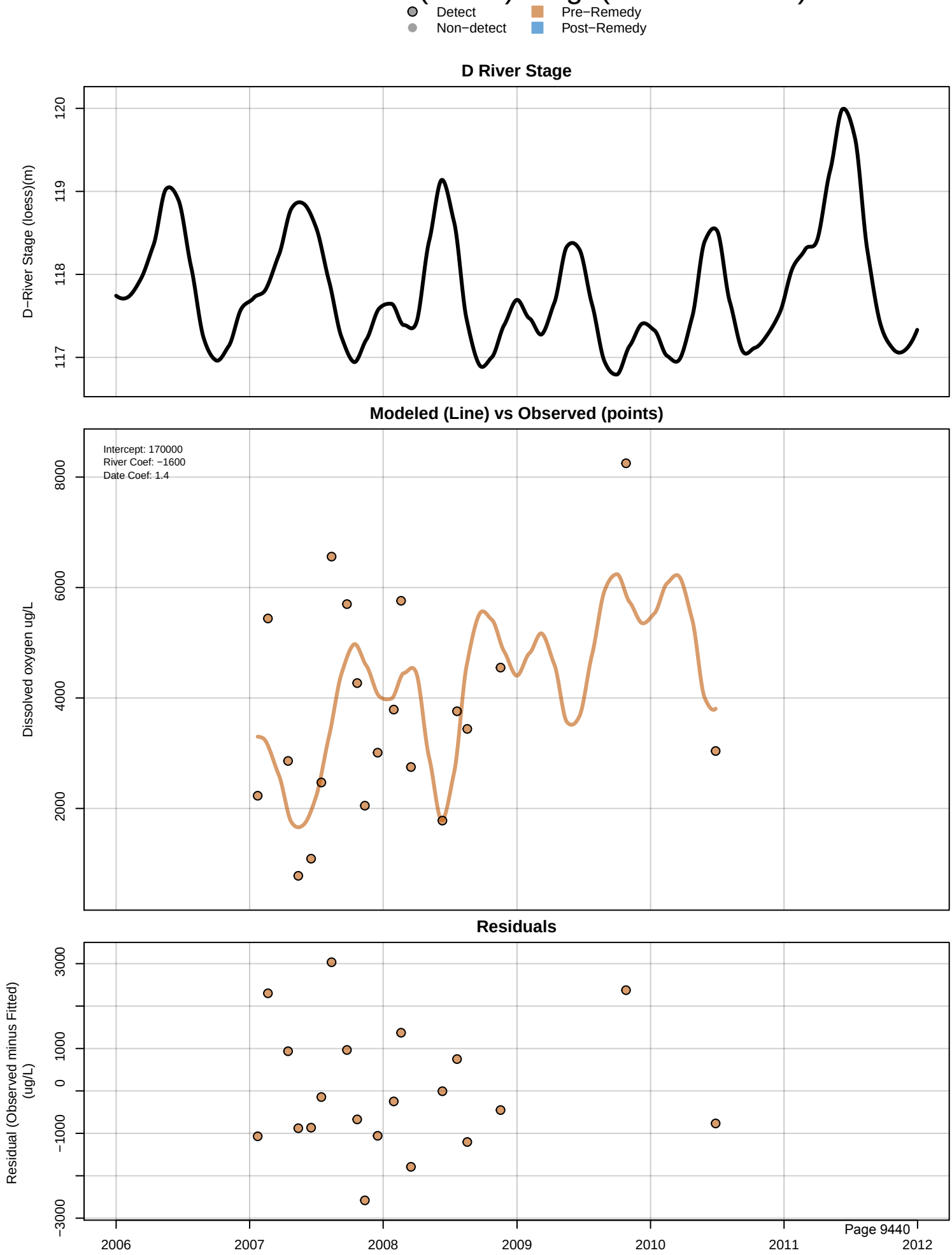
199−D4−33 (136m) Lag (Indeterminate)



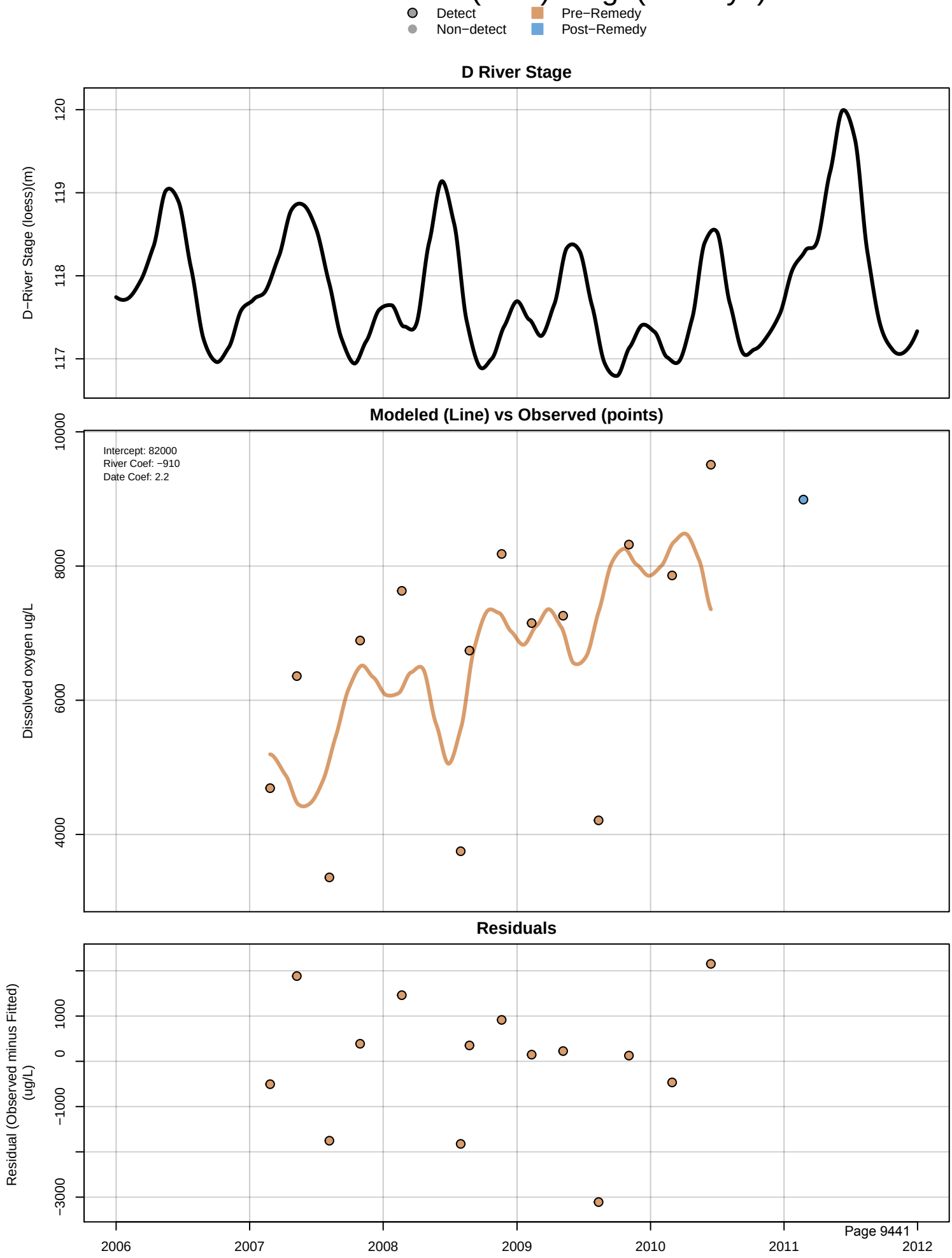
199−D4−35 (130m) Lag (Indeterminate)



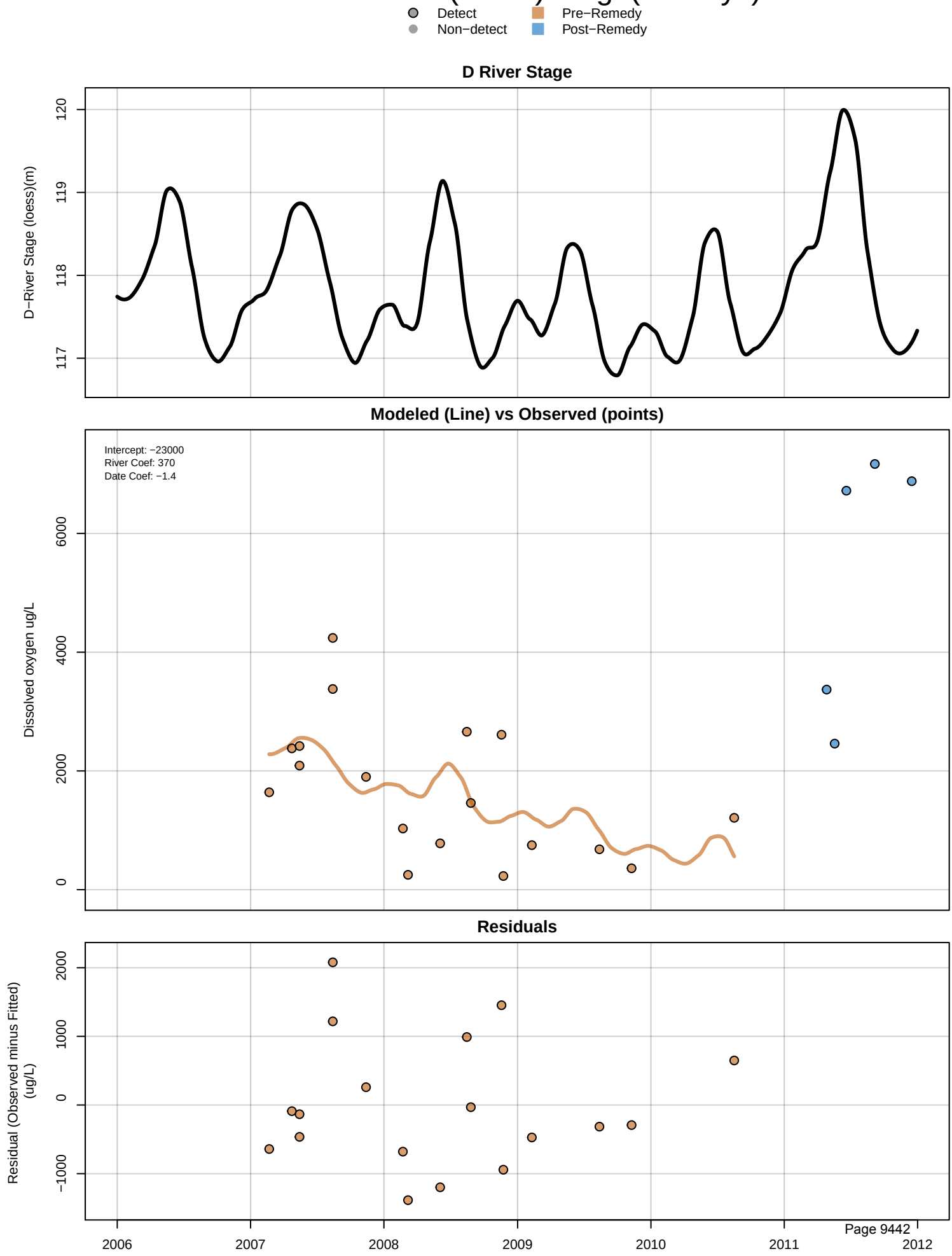
199−D4−37 (119m) Lag (Indeterminate)



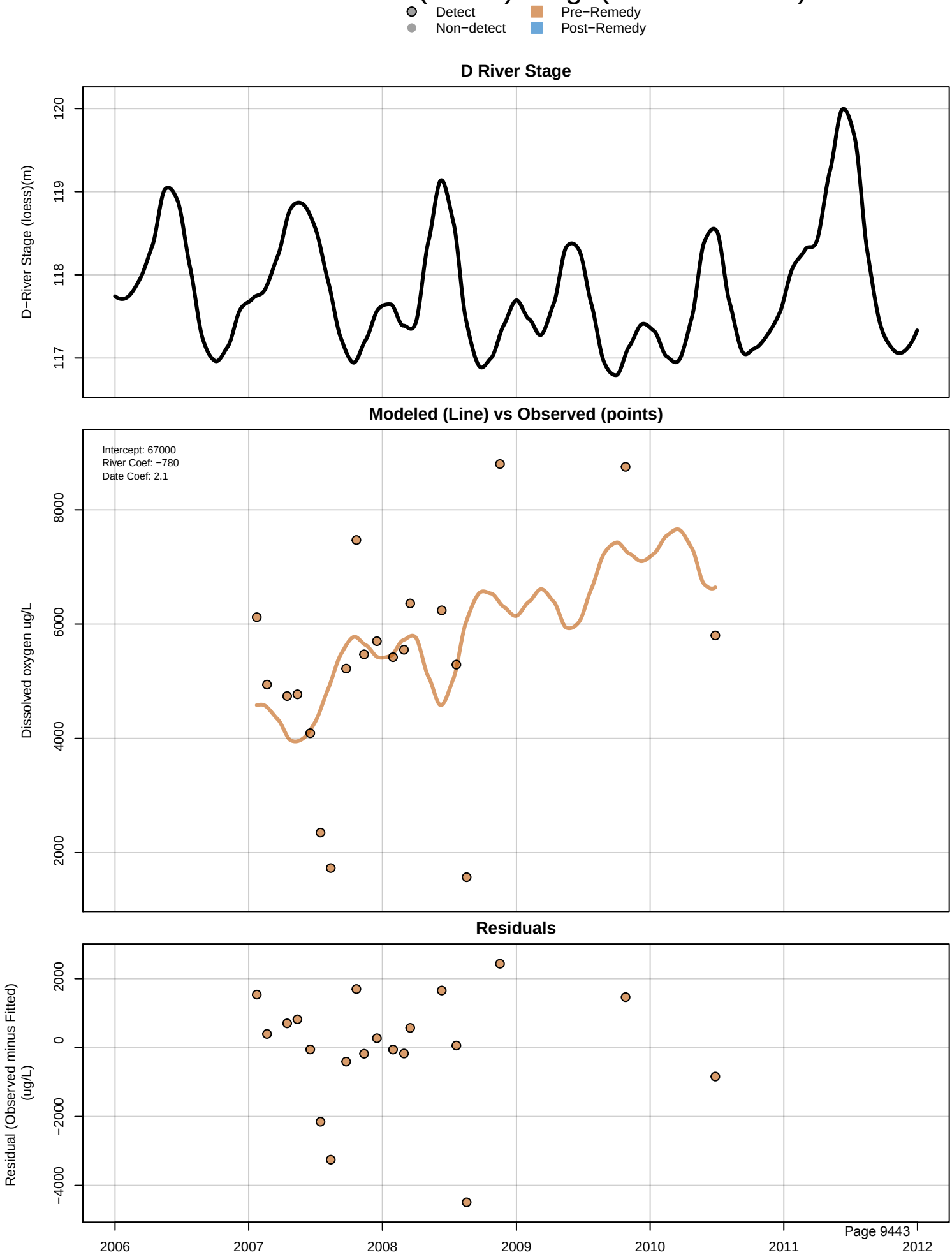
199−D4−39* (59m) Lag (19 Days)



199−D4−4 (124m) Lag (17 Days)

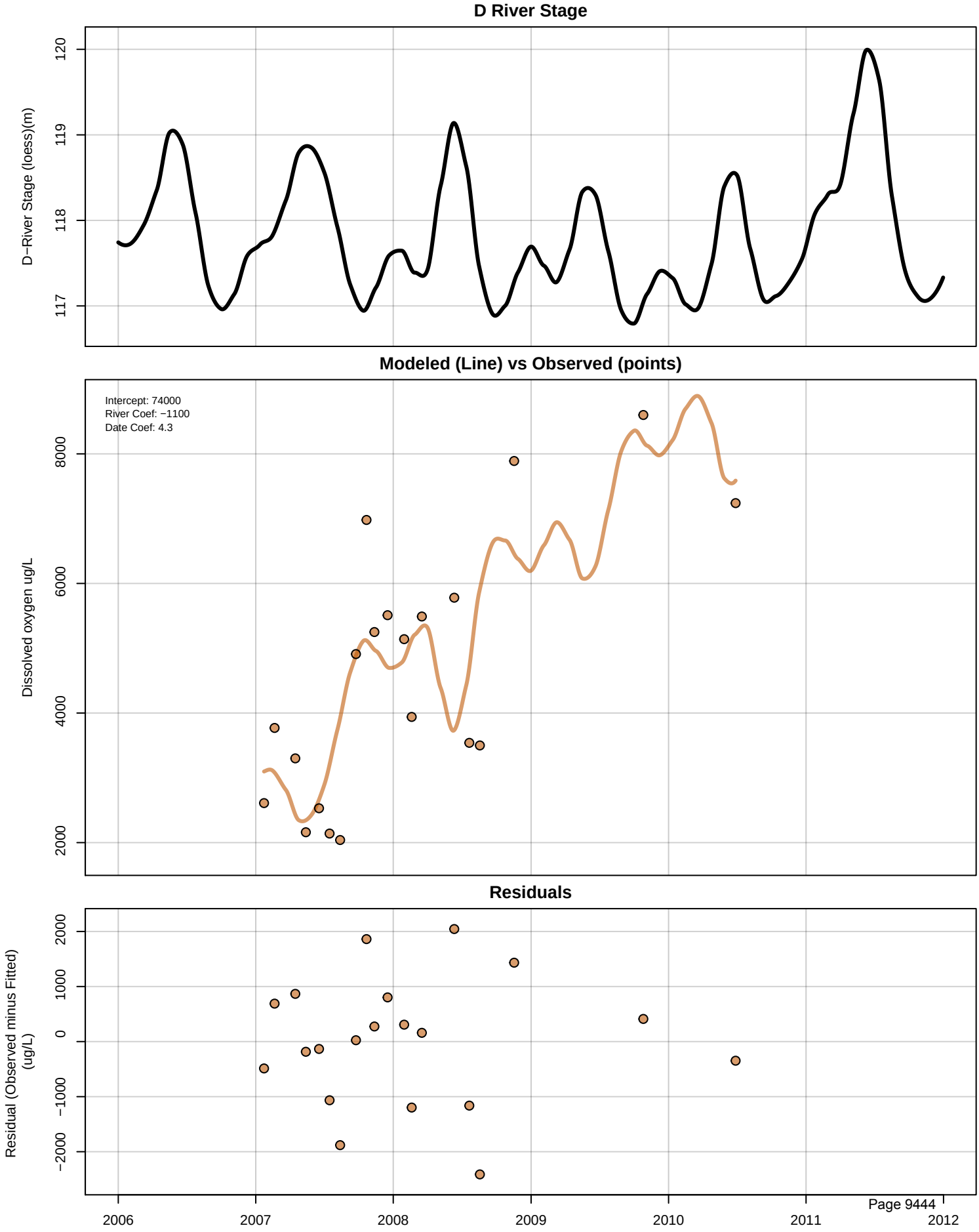


199−D4−40 (120m) Lag (Indeterminate)

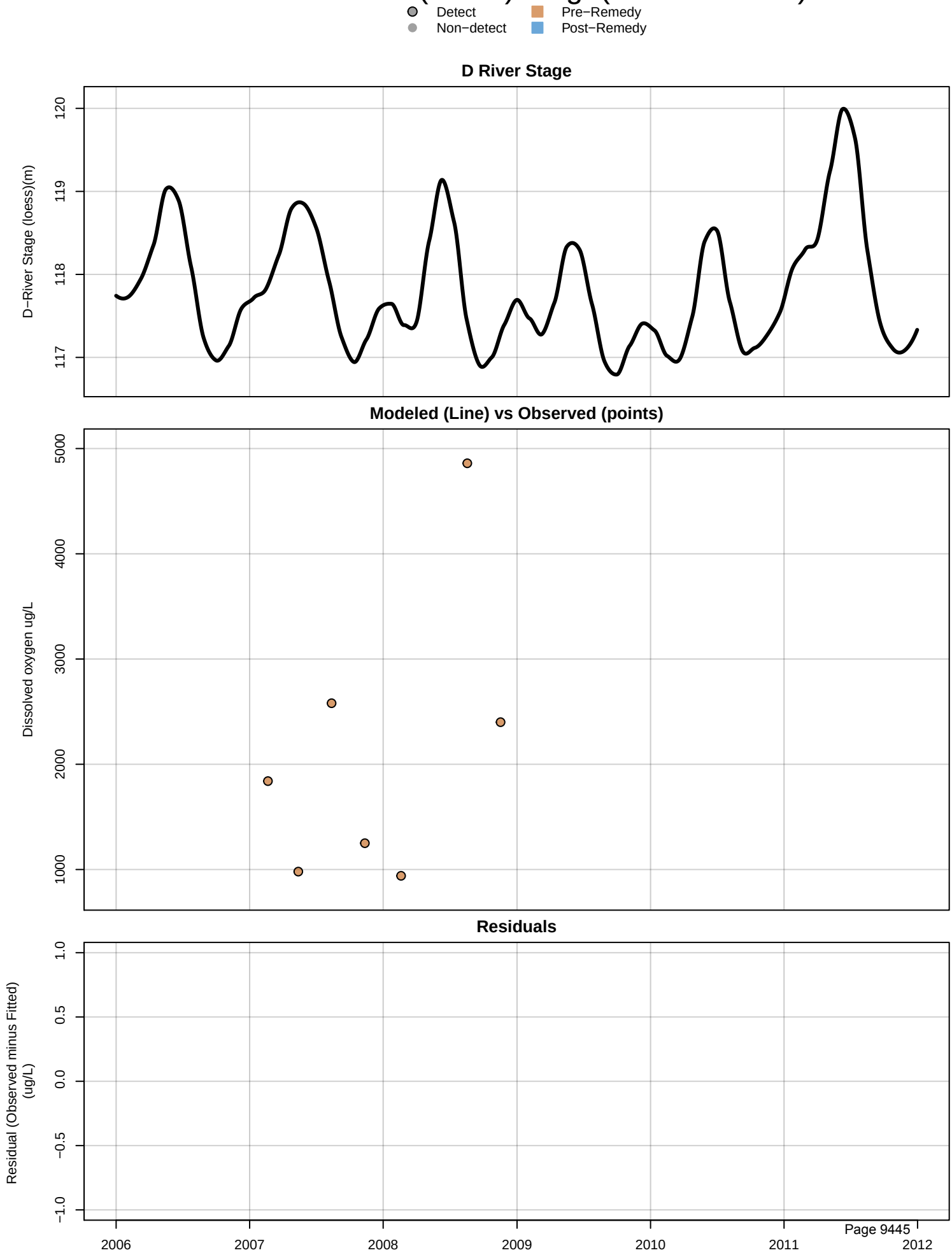


199−D4−43 (104m) Lag (Indeterminate)

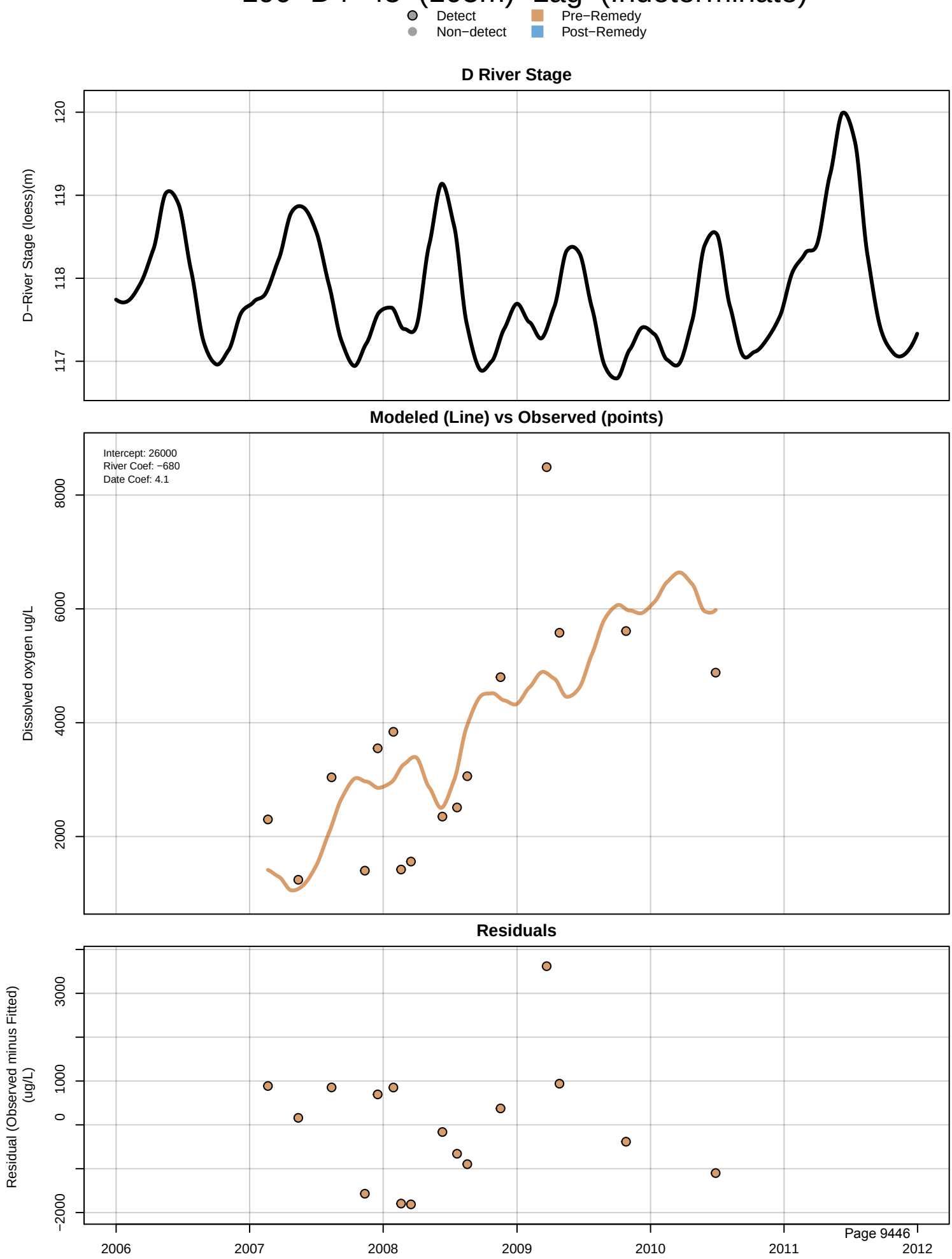
Detect
Non−detect
Pre−Remedy
Post−Remedy



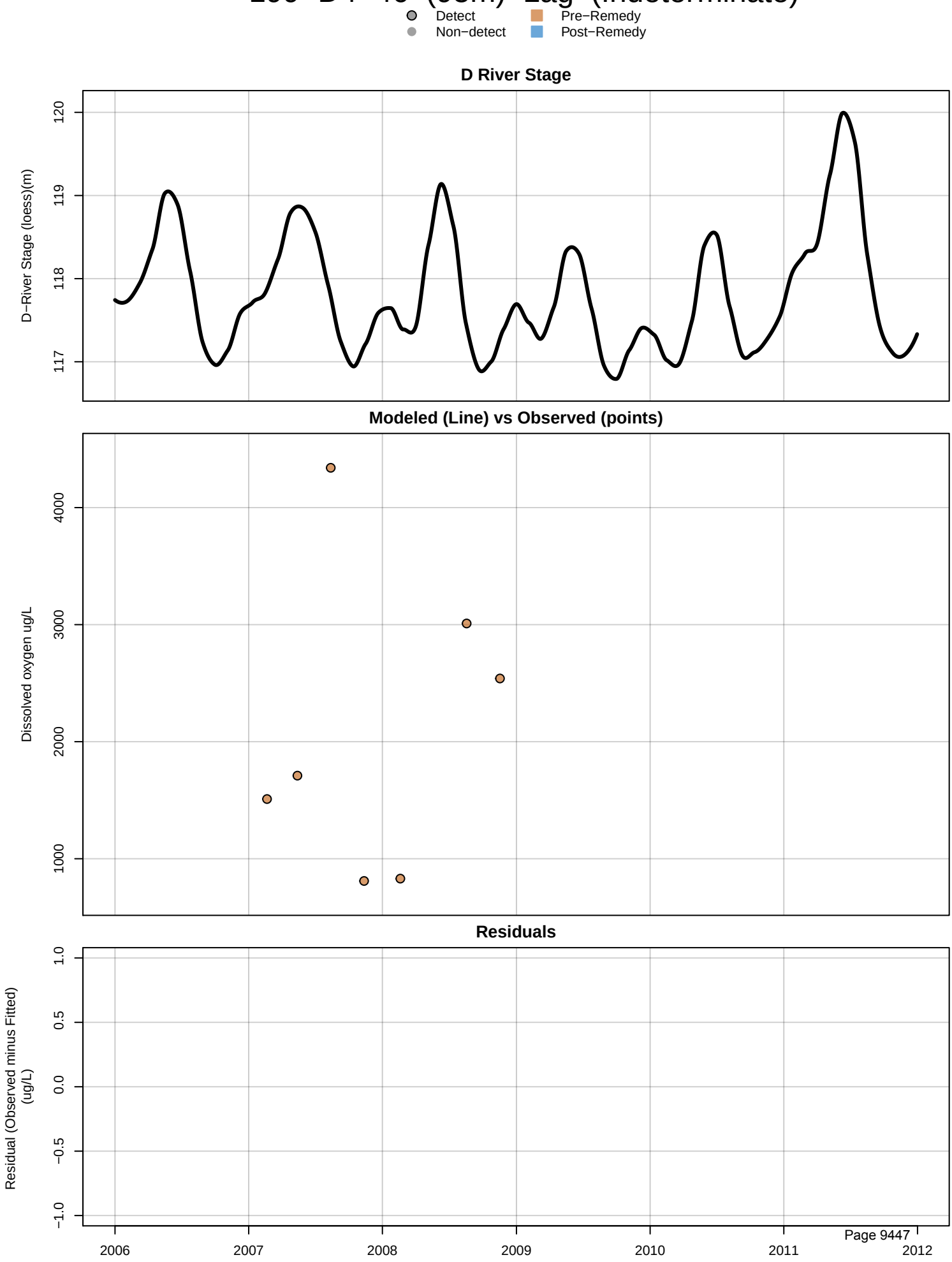
199−D4−44 (101m) Lag (Indeterminate)



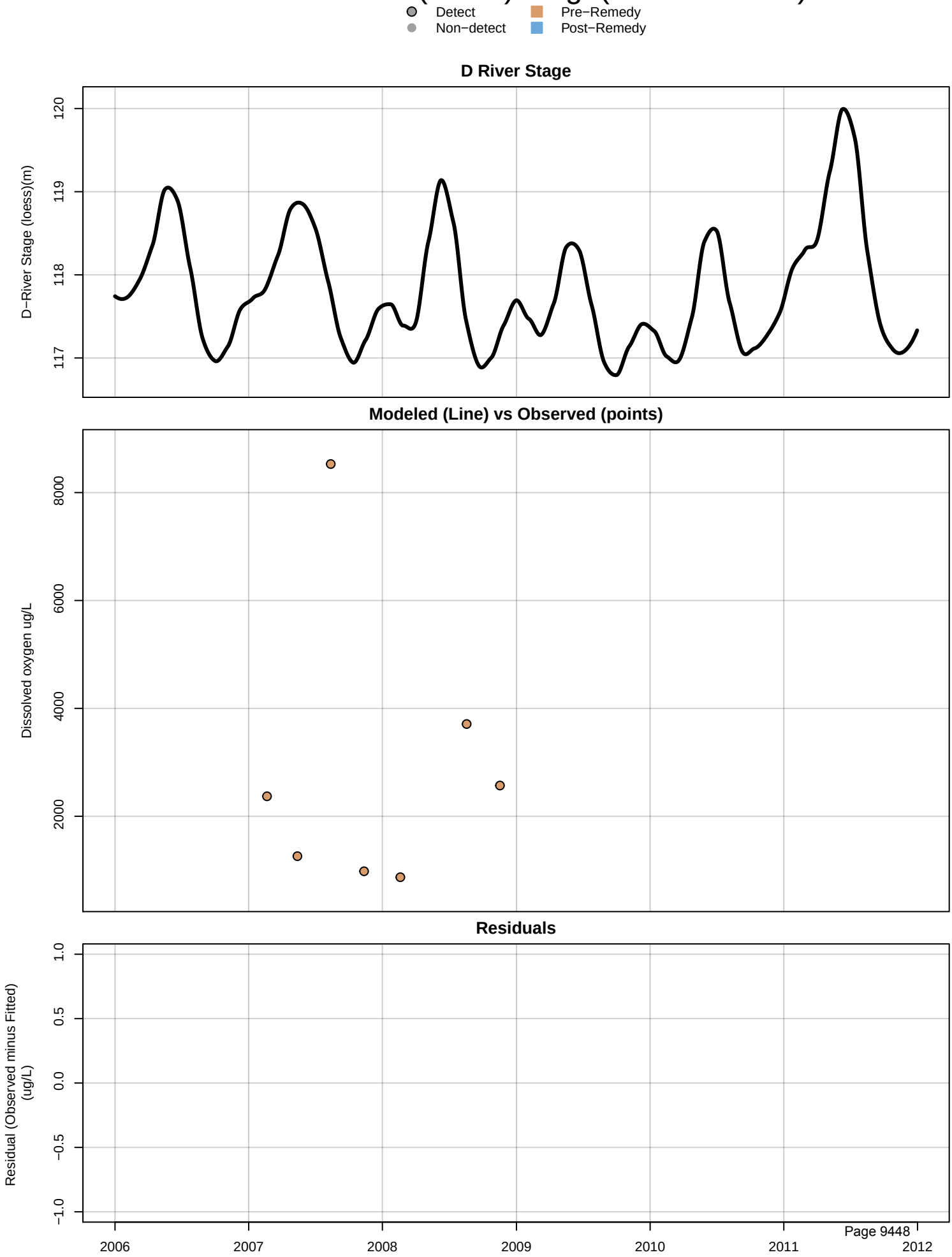
199−D4−45 (105m) Lag (Indeterminate)



199−D4−46 (95m) Lag (Indeterminate)

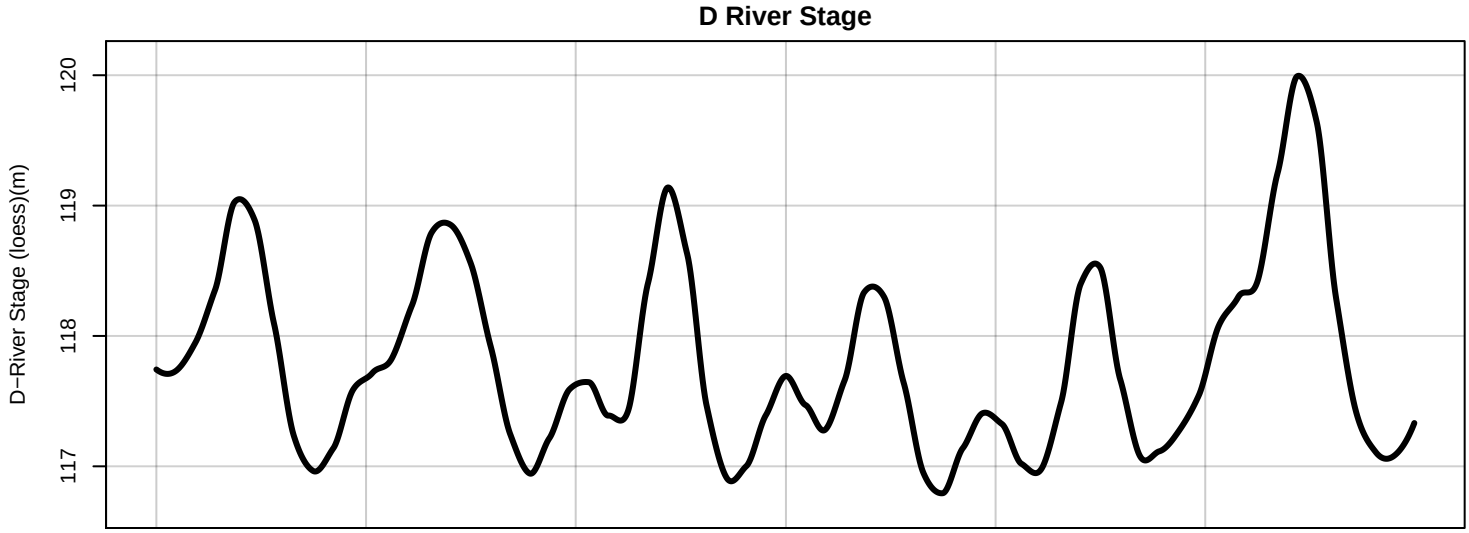


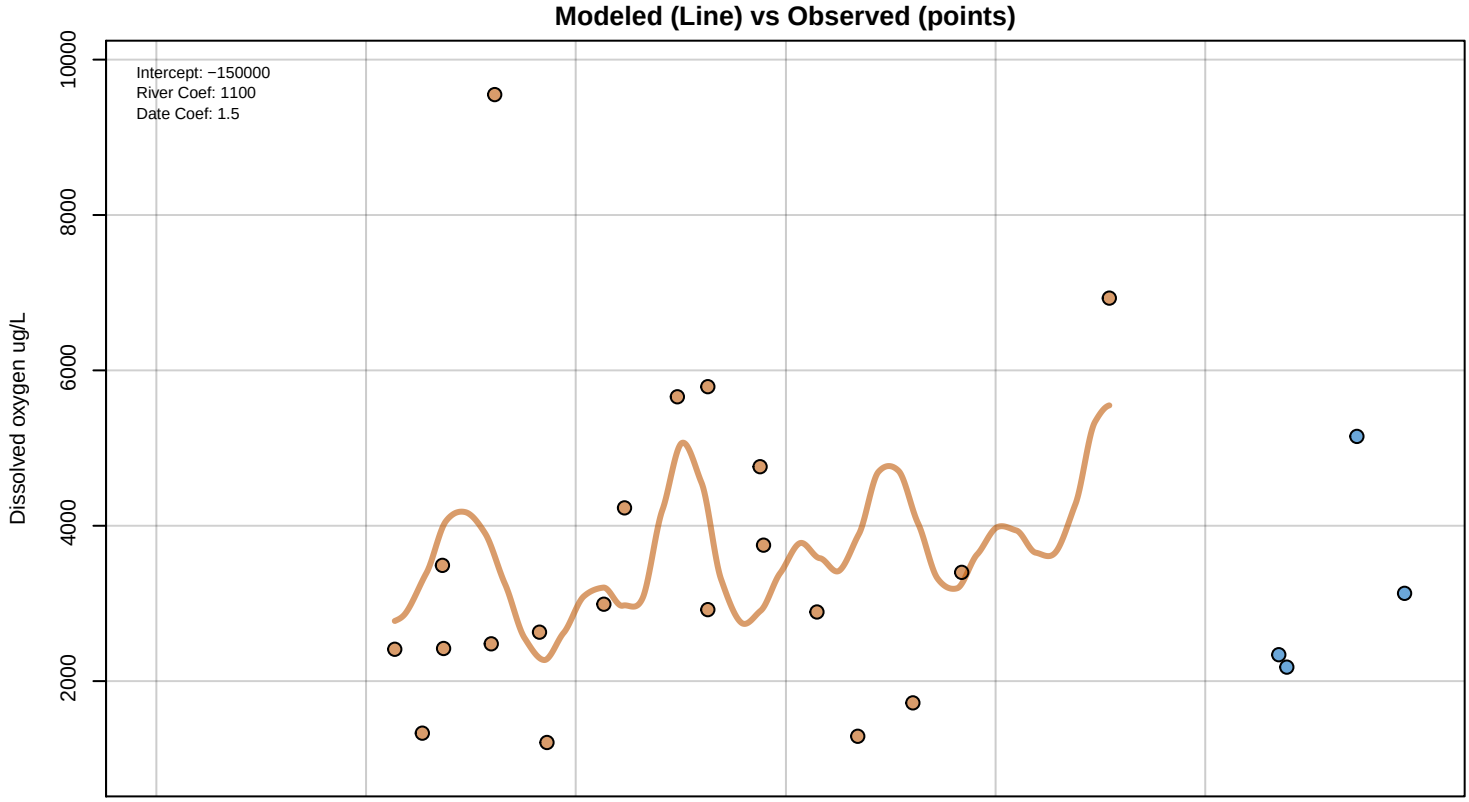
199−D4−47 (100m) Lag (Indeterminate)

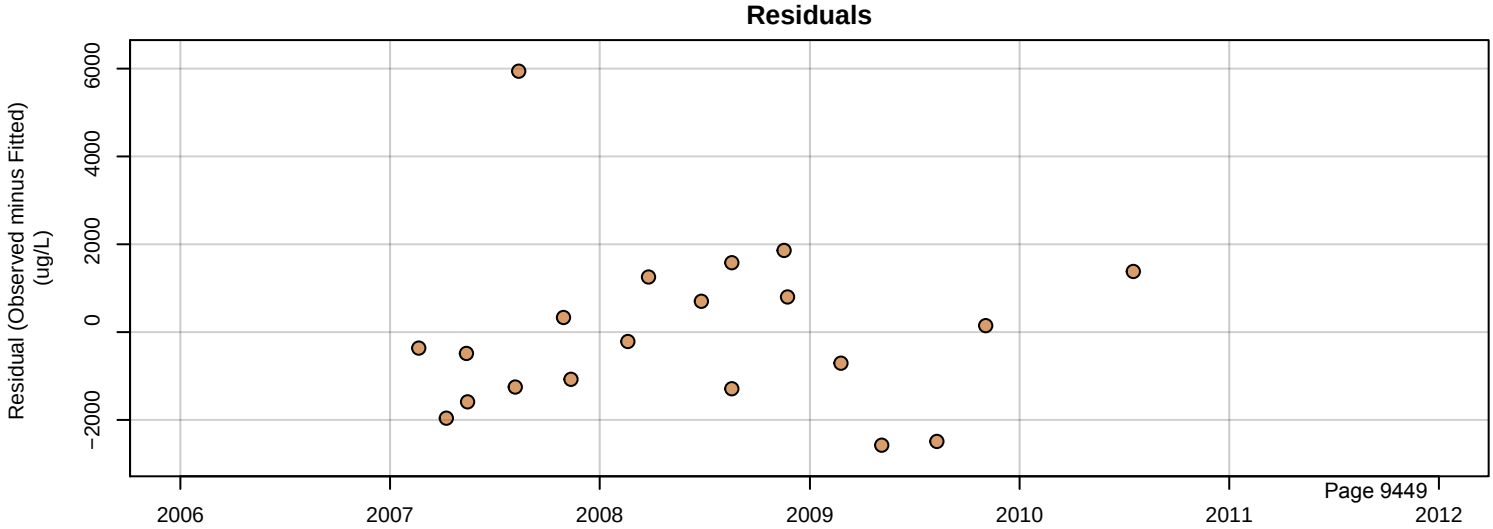


199−D4−48 (92m) Lag (25 Days)

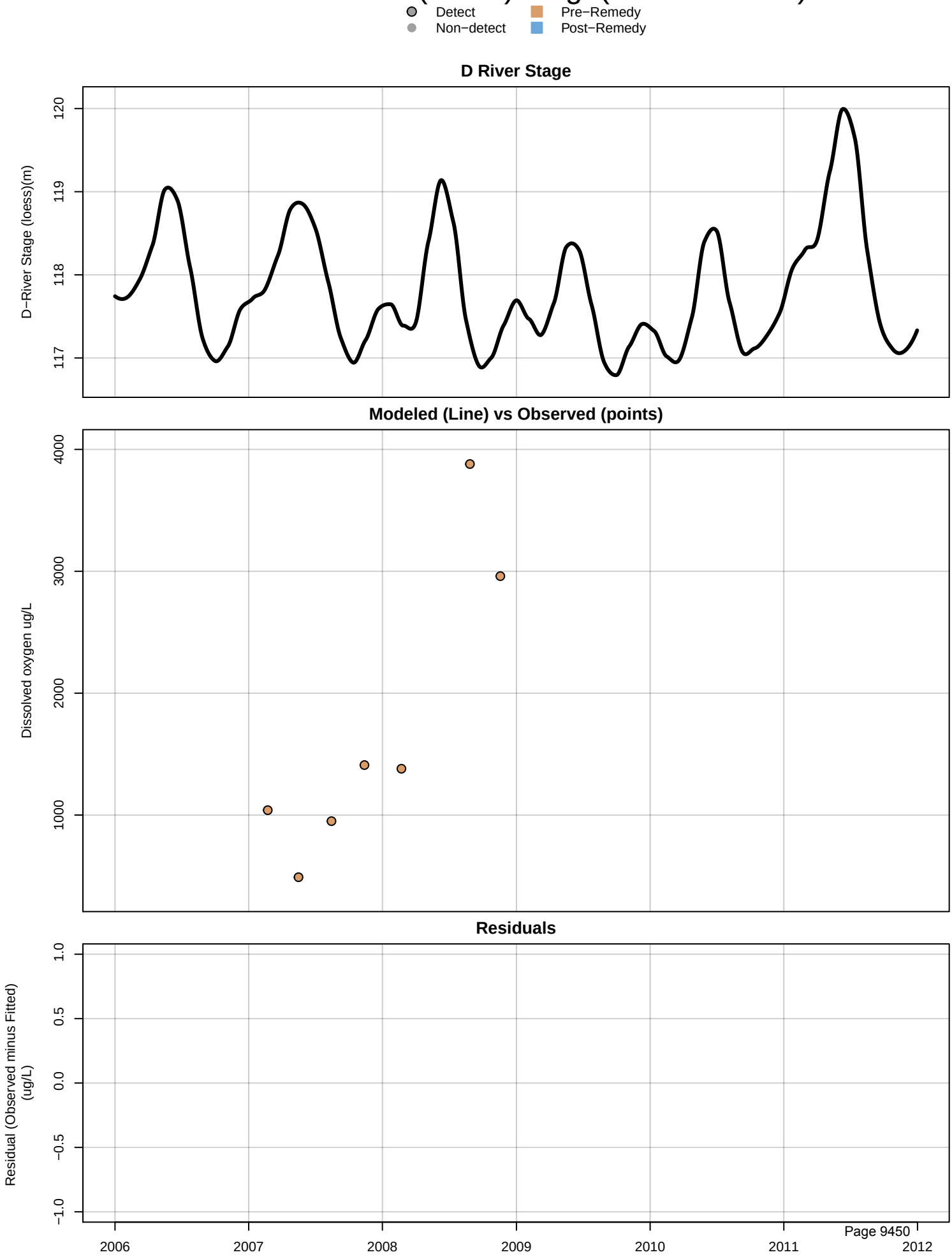
Detect
Non−detect
Pre−Remedy
Post−Remedy





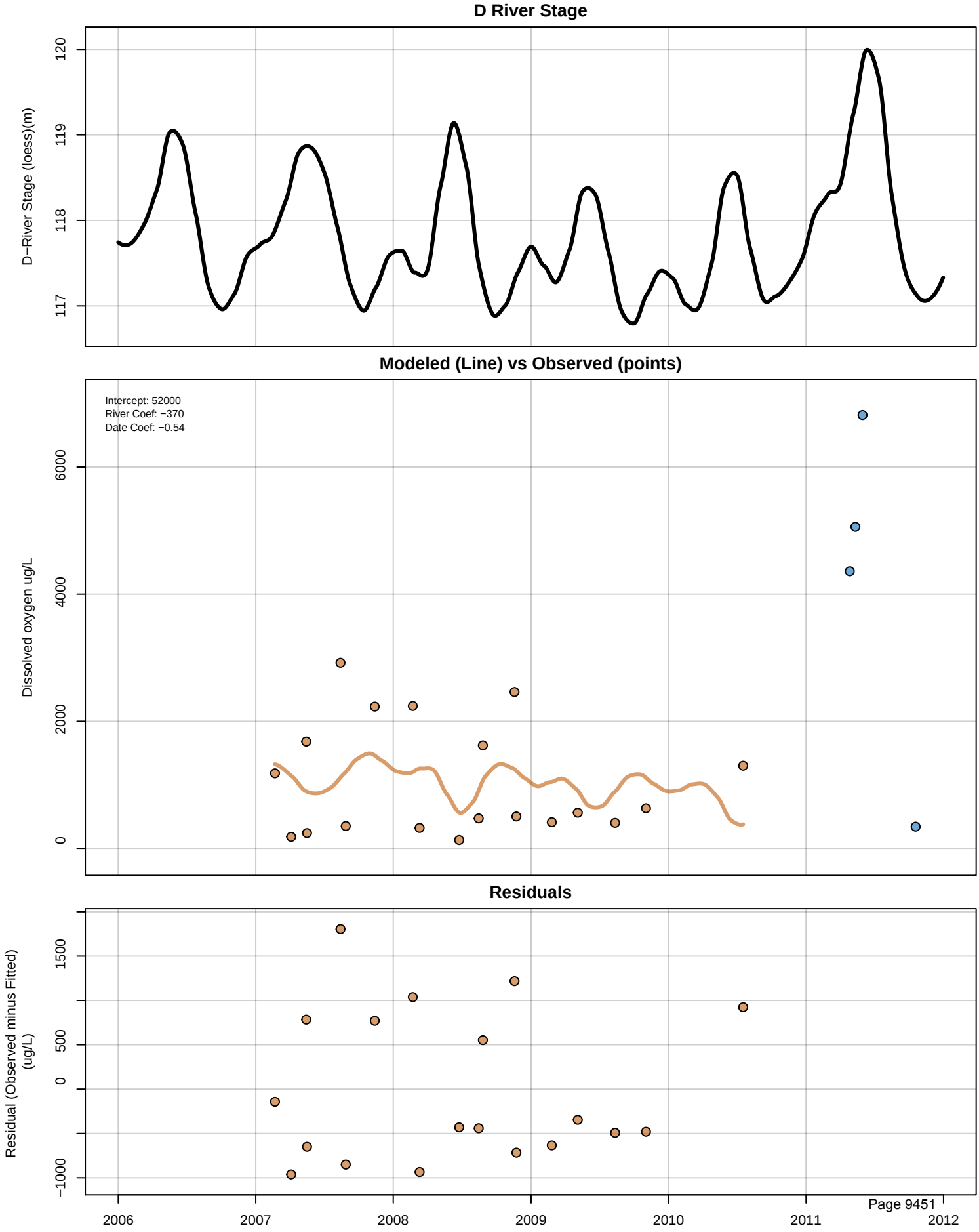


199−D4−49 (163m) Lag (Indeterminate)

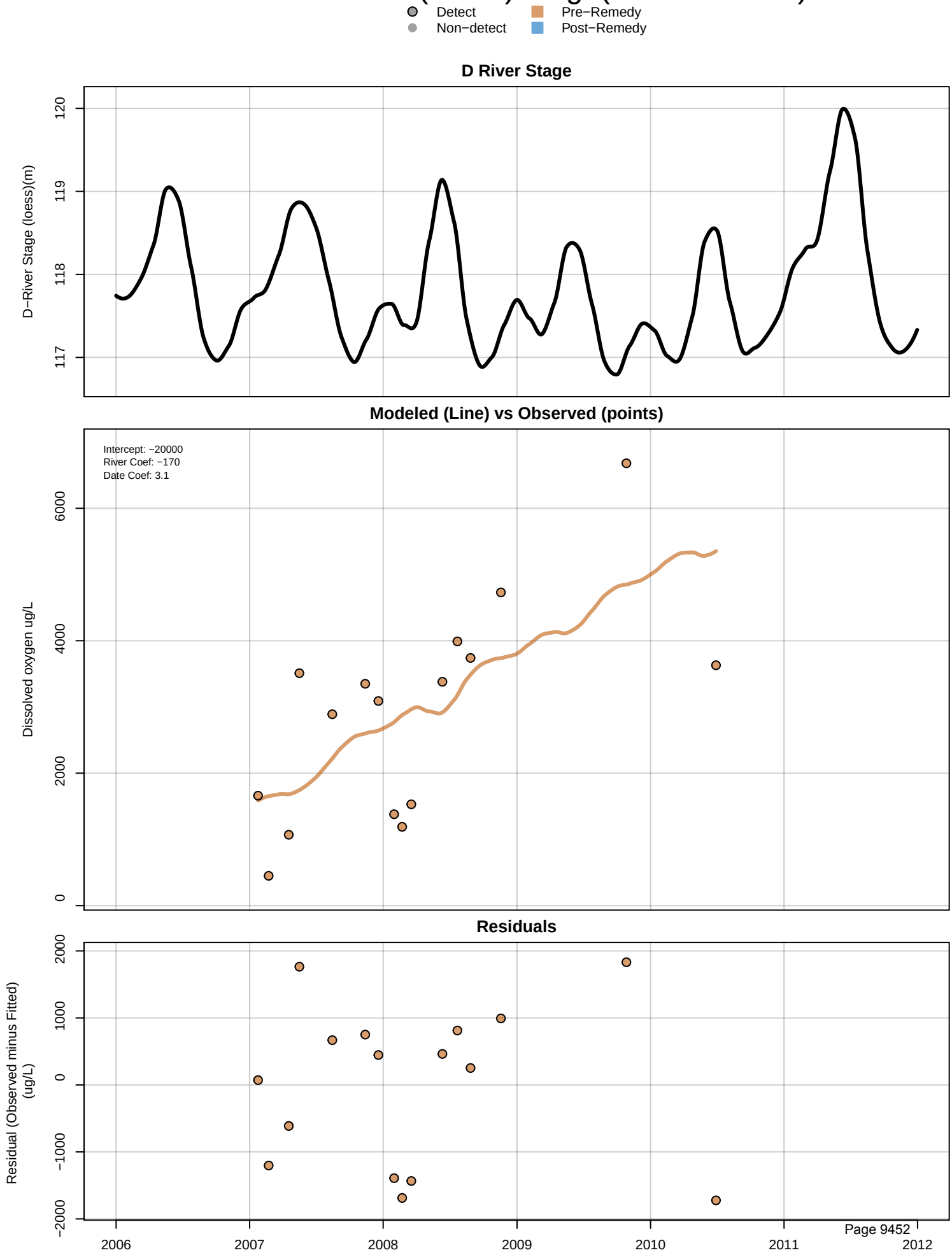


199−D4−5 (132m) Lag (17 Days)

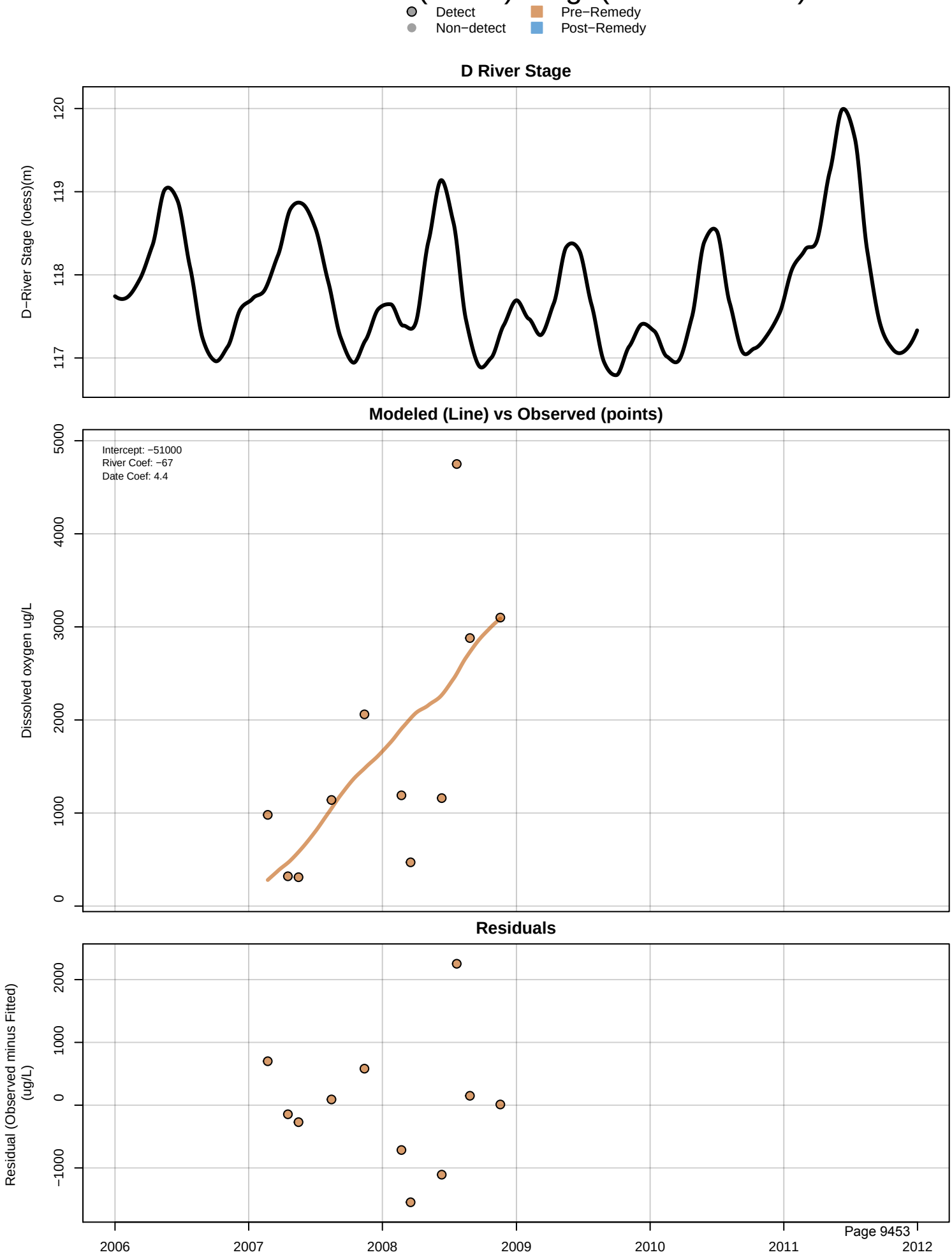
Detect
Non−detect
Pre−Remedy
Post−Remedy



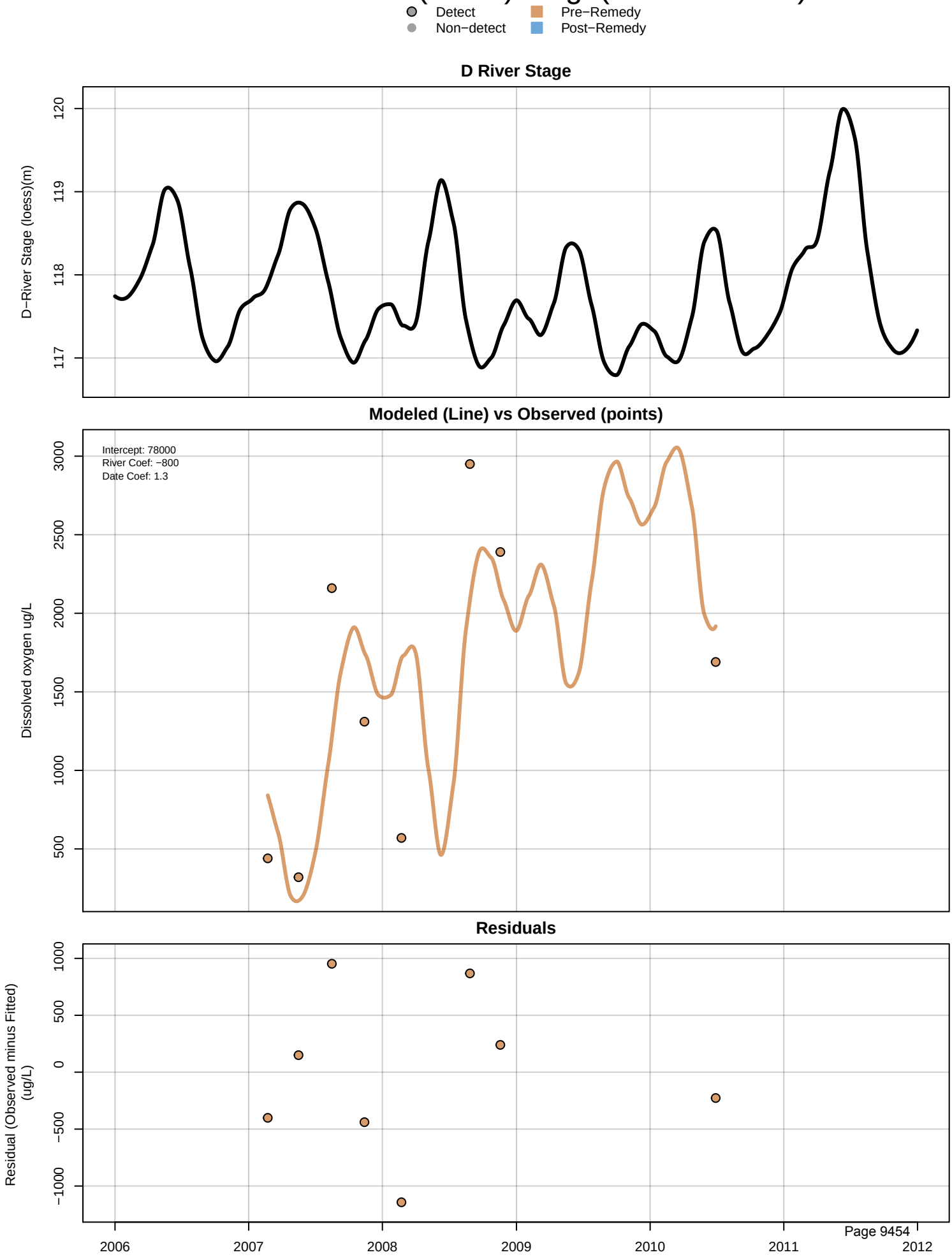
199−D4−50 (157m) Lag (Indeterminate)



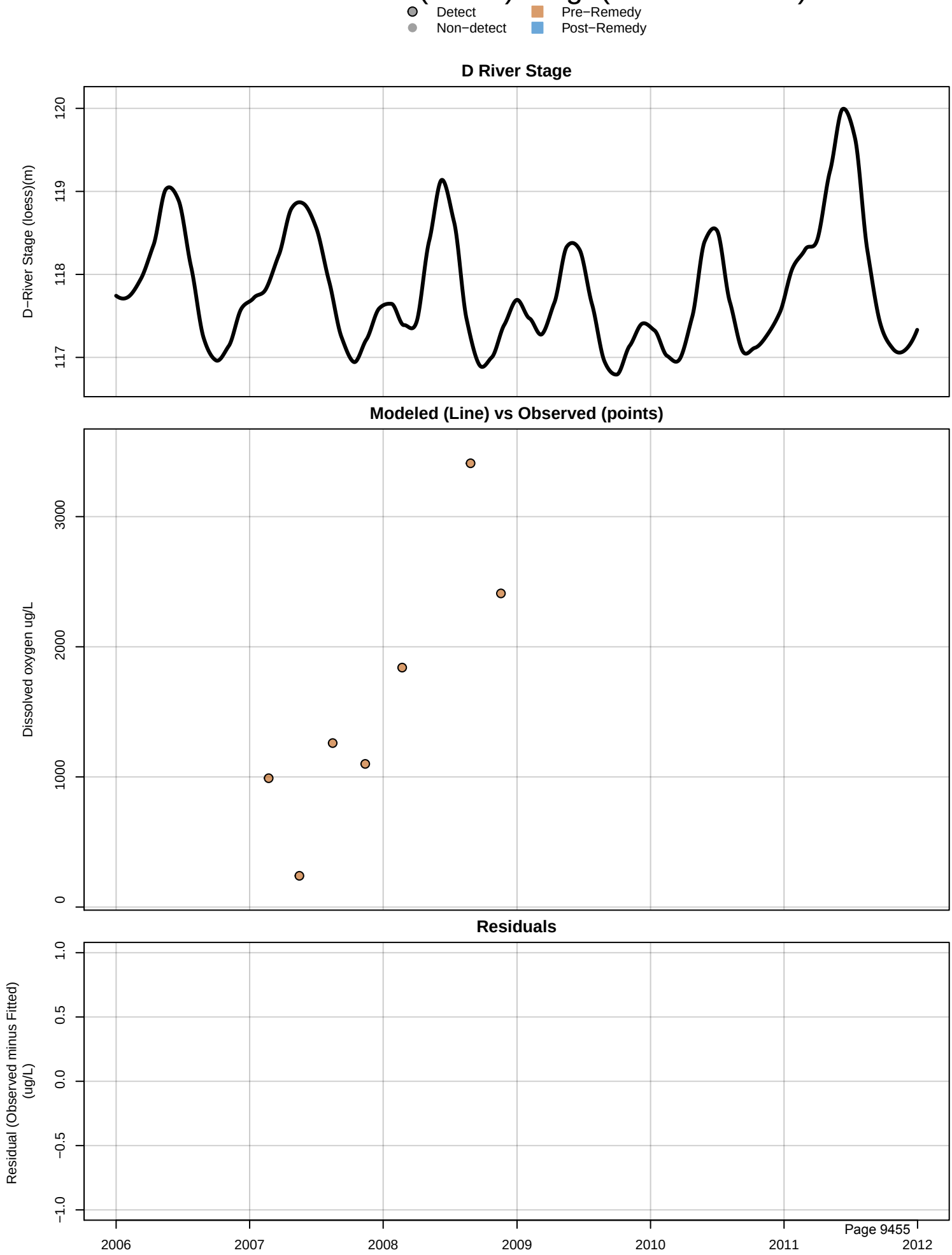
199−D4−51 (165m) Lag (Indeterminate)



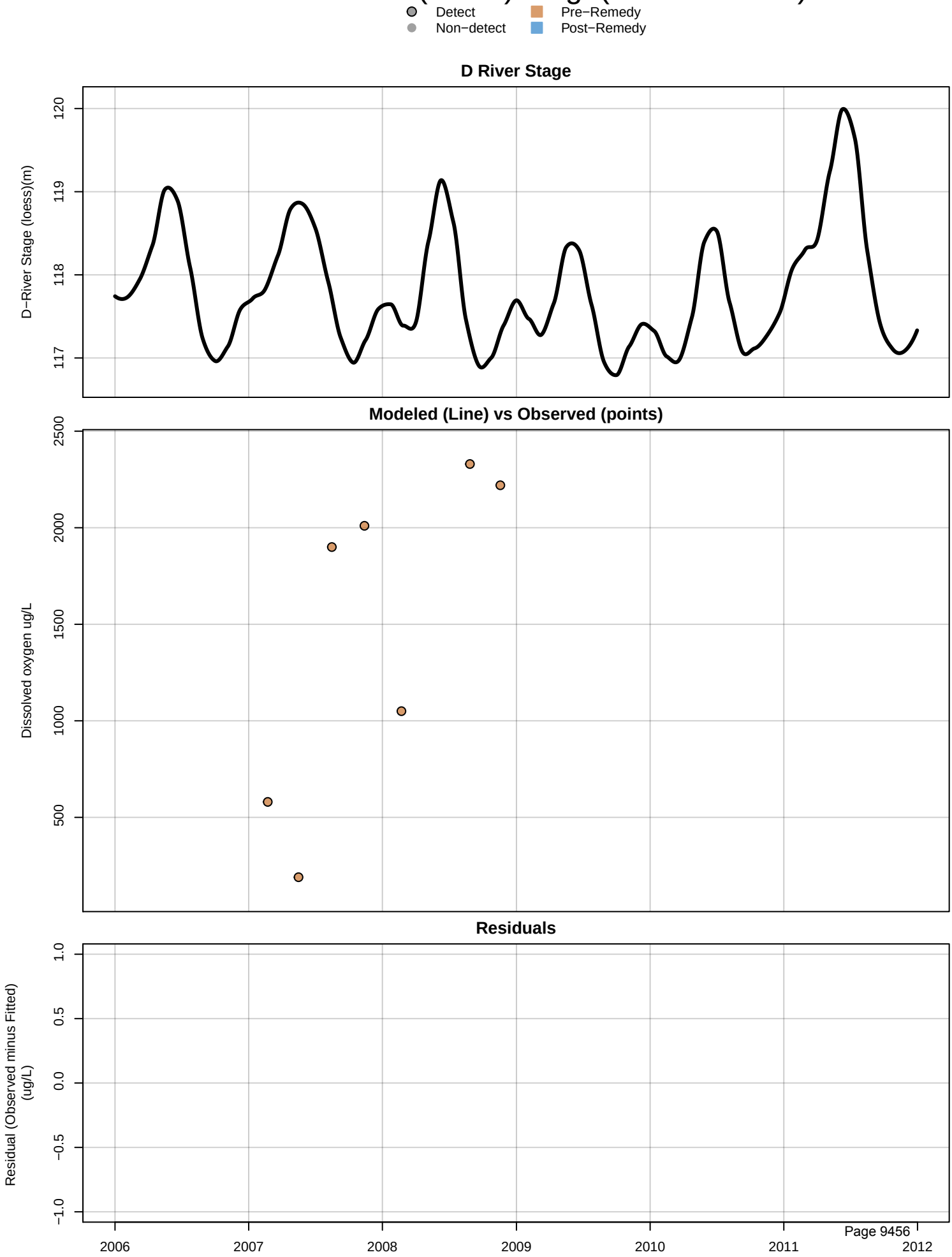
199−D4−52 (160m) Lag (Indeterminate)



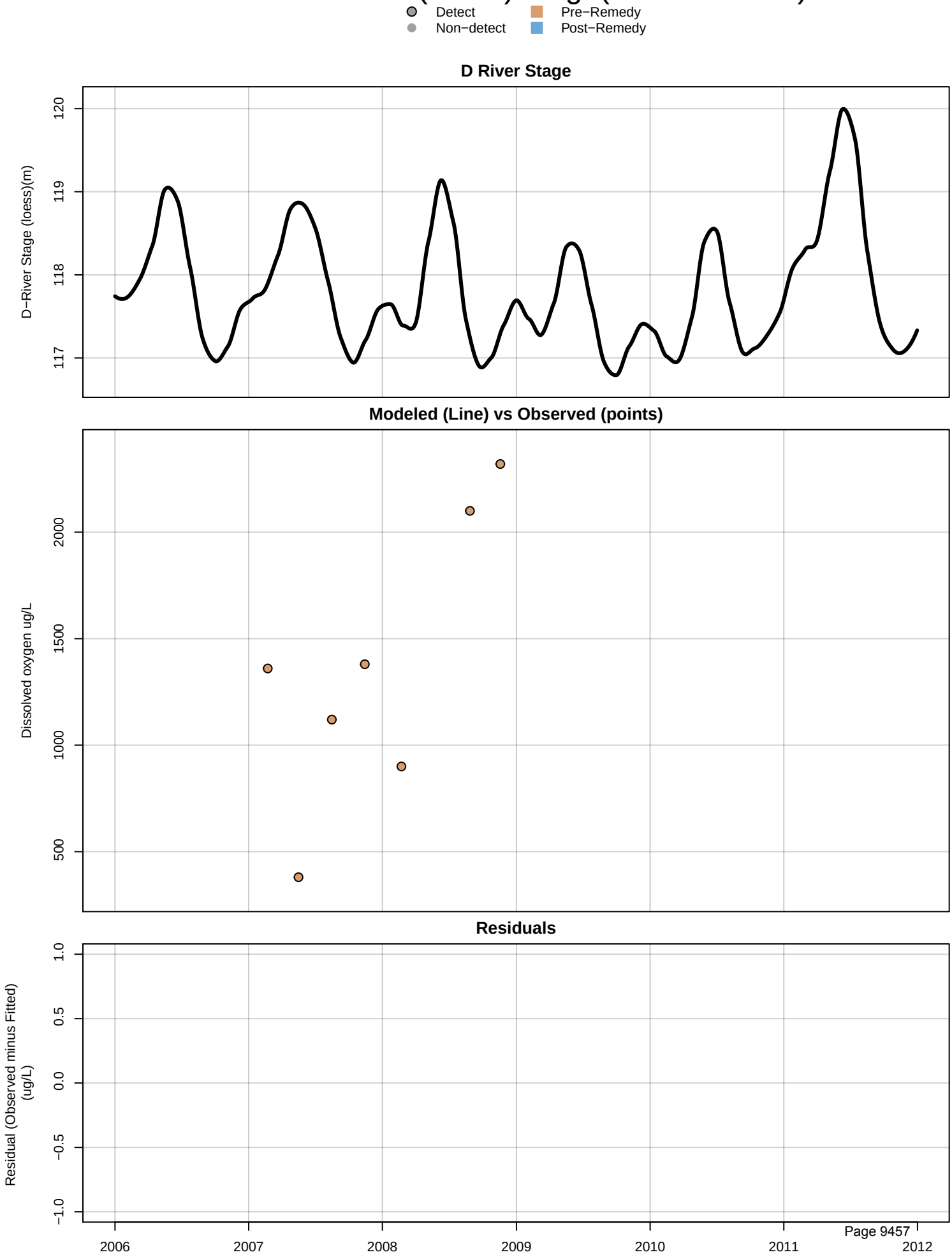
199−D4−53 (168m) Lag (Indeterminate)



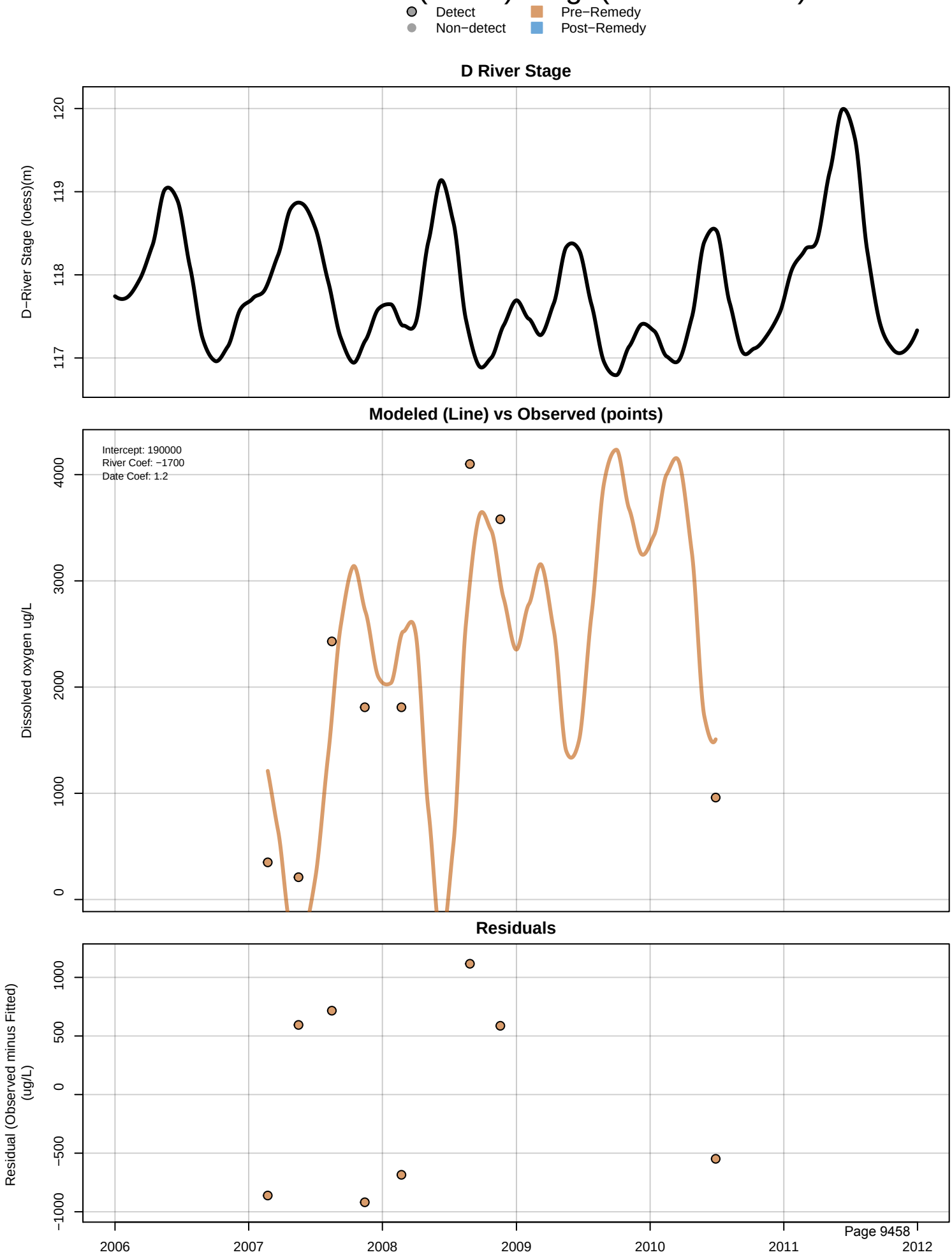
199−D4−54 (163m) Lag (Indeterminate)



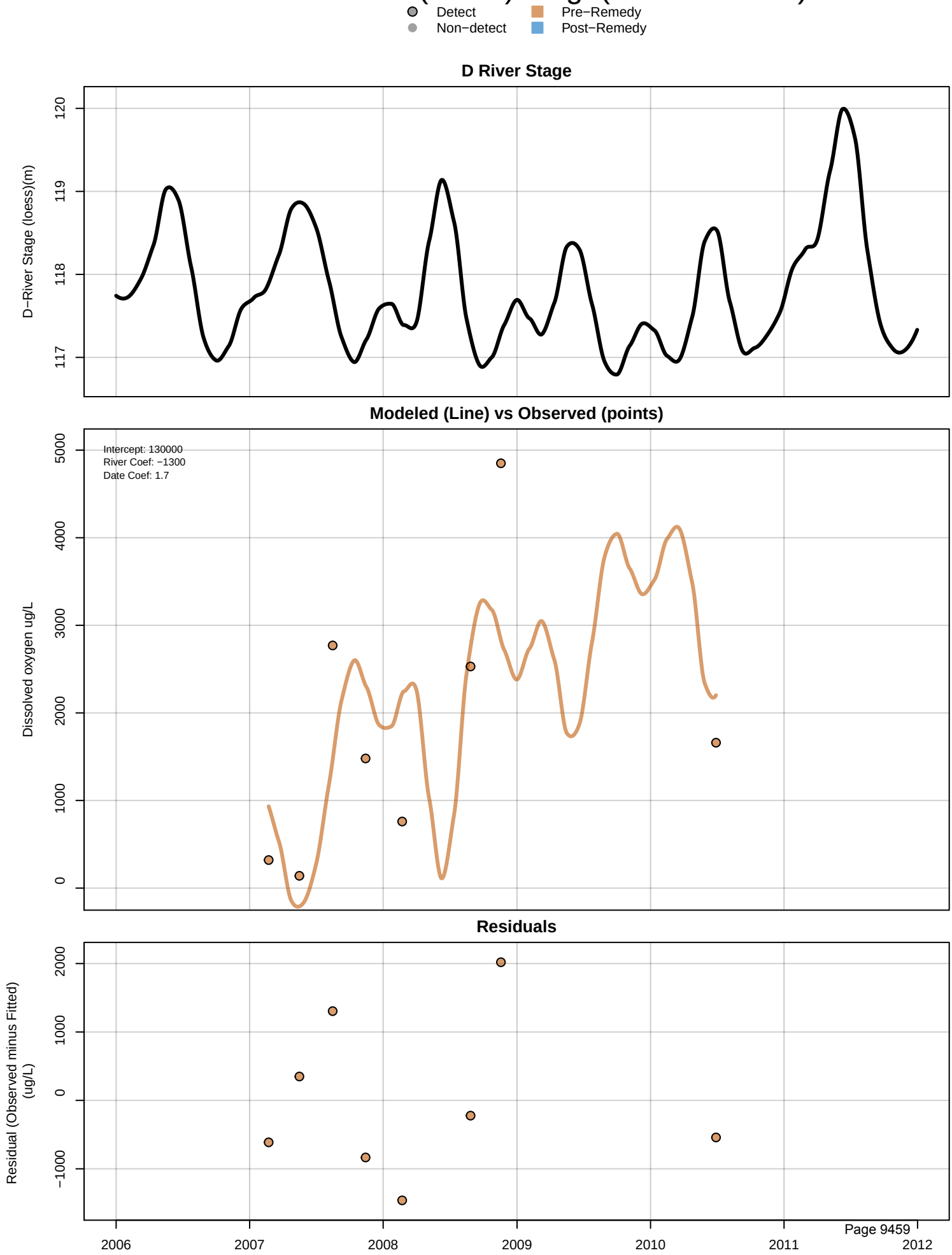
199−D4−55 (164m) Lag (Indeterminate)



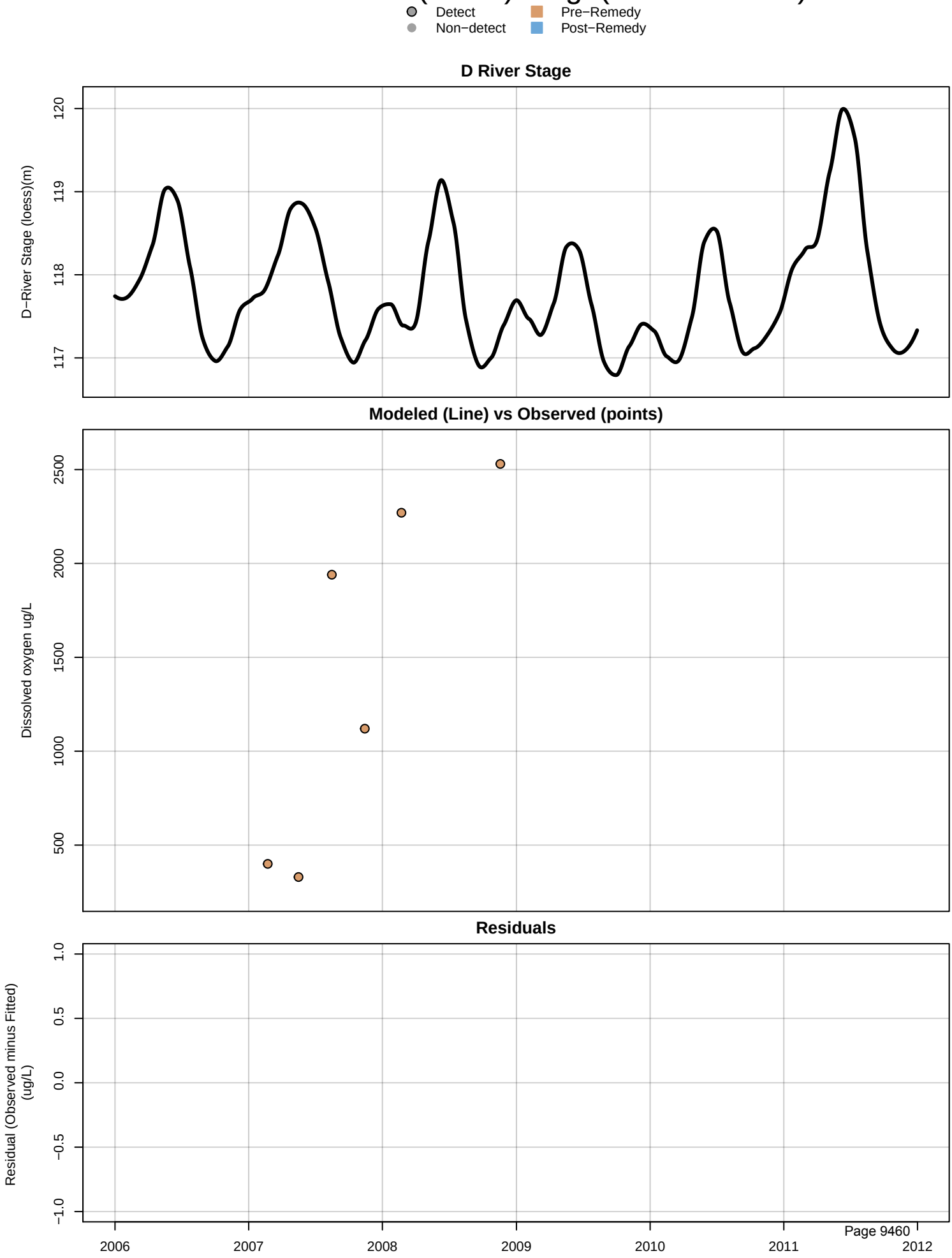
199−D4−57 (166m) Lag (Indeterminate)



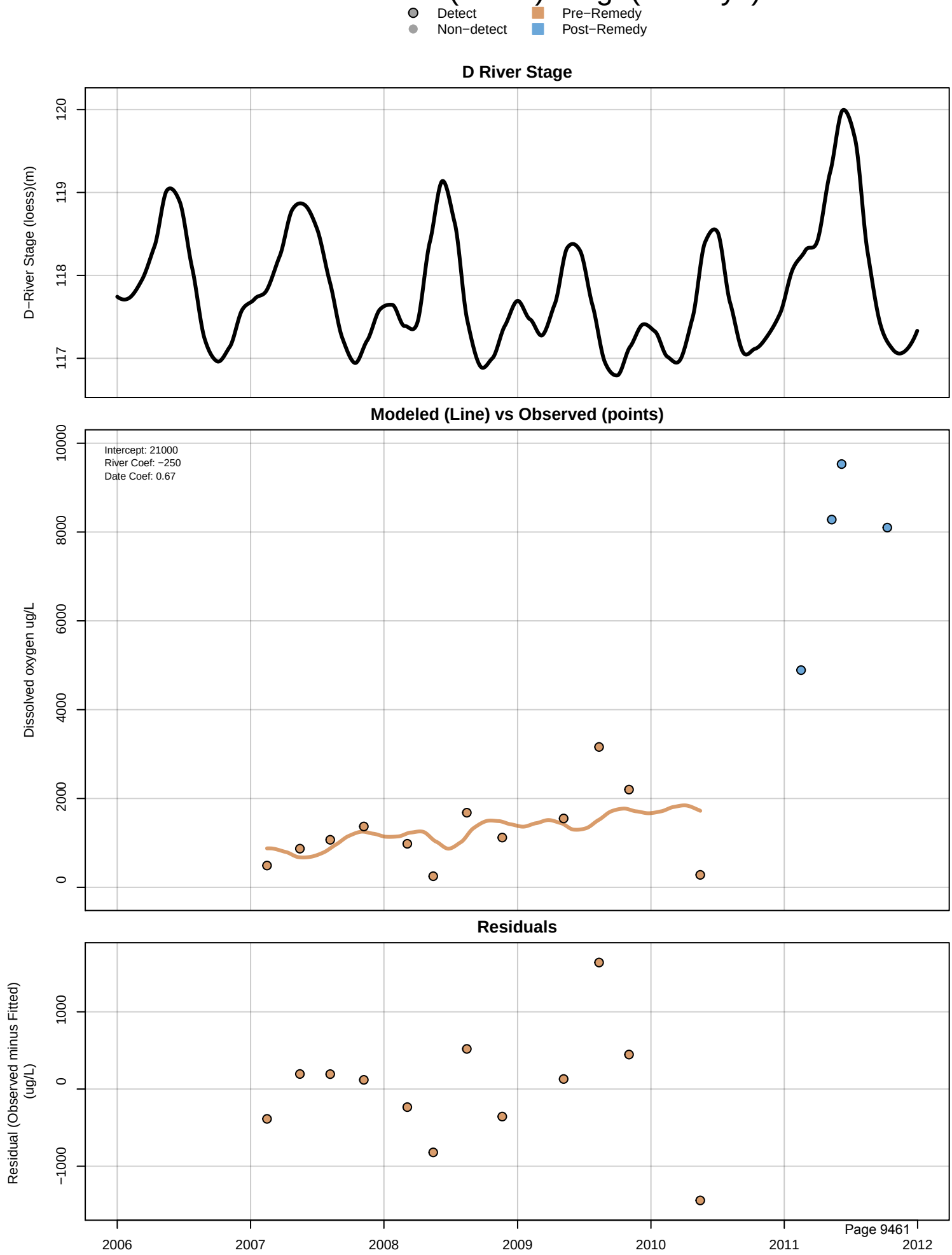
199−D4−58 (175m) Lag (Indeterminate)



199−D4−59 (172m) Lag (Indeterminate)

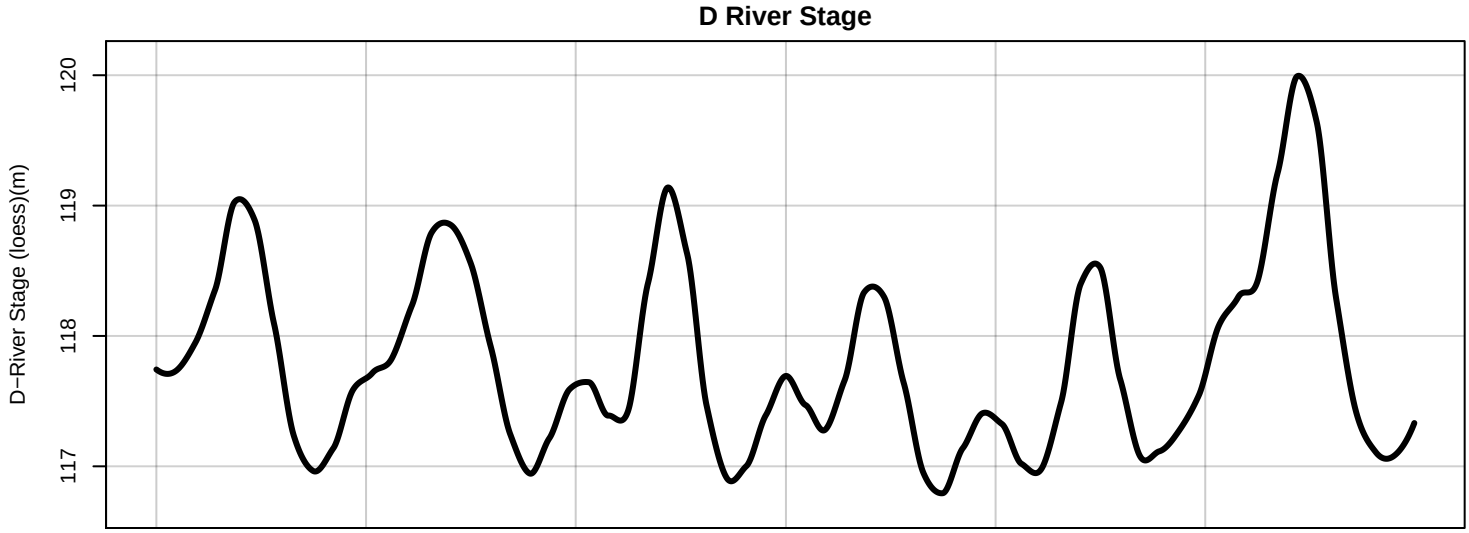


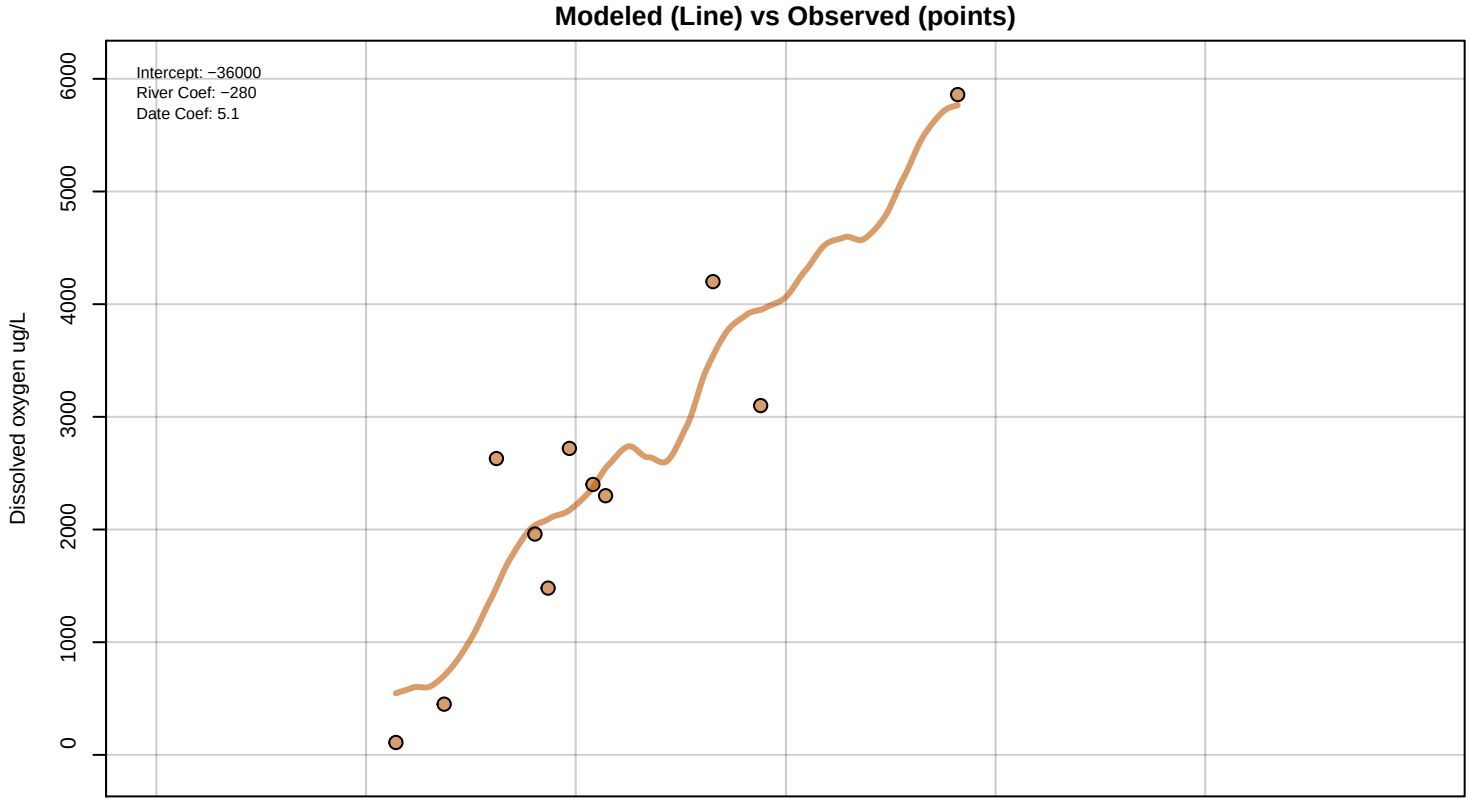
199−D4−6 (110m) Lag (17 Days)

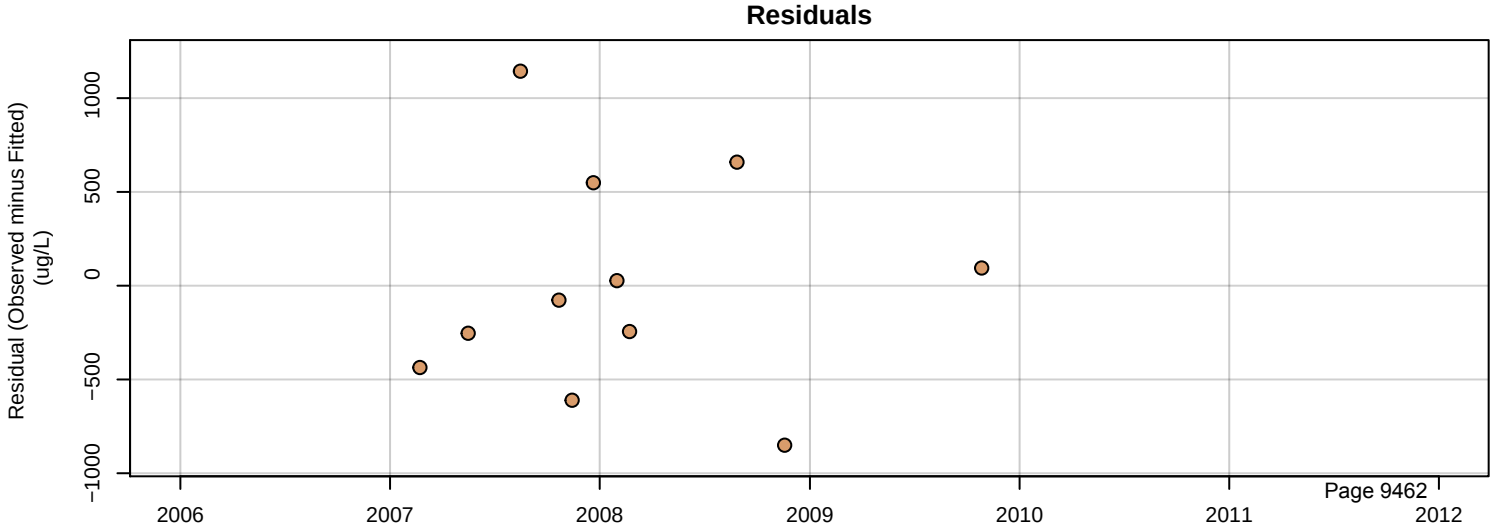


199−D4−60 (182m) Lag (Indeterminate)

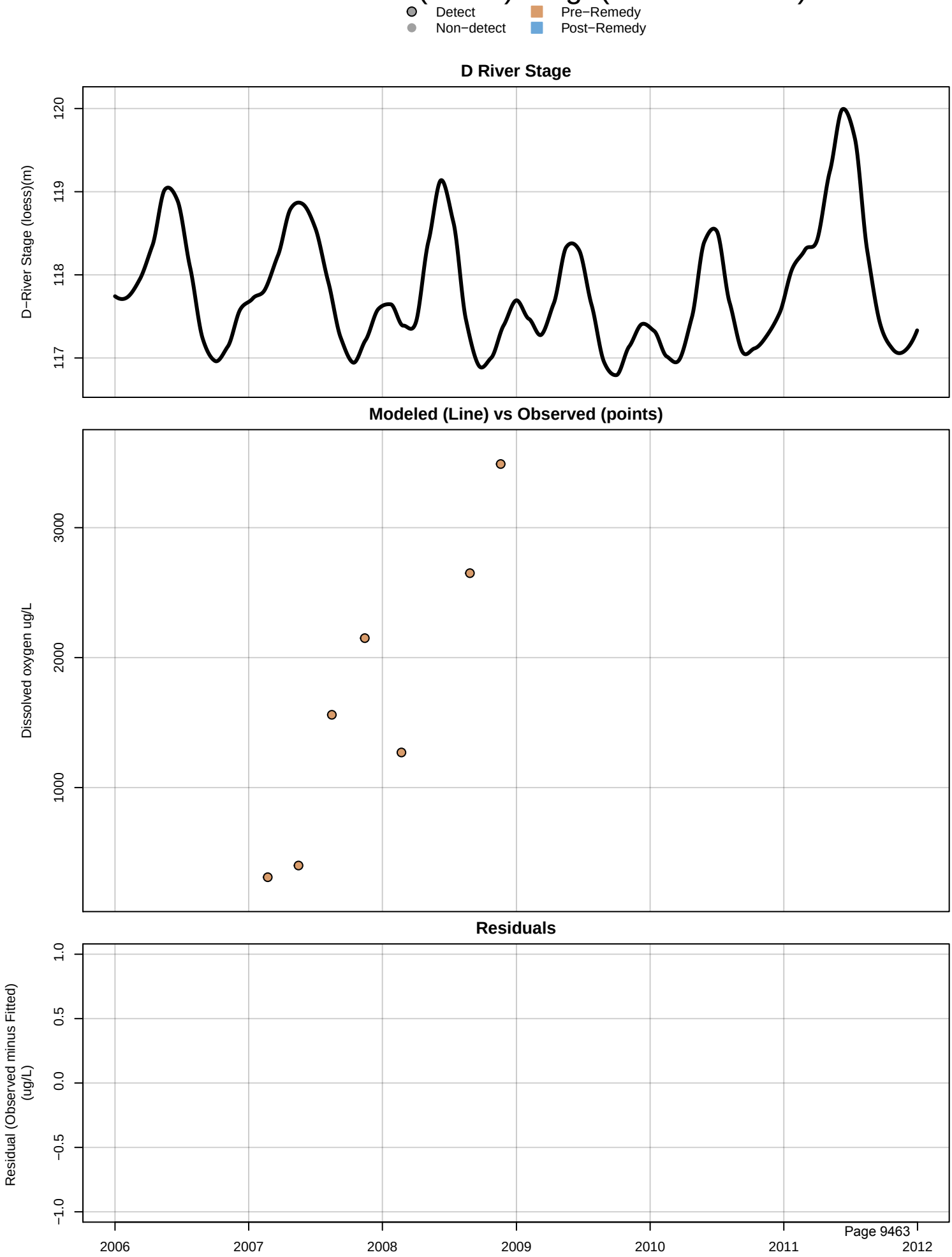
Detect
Non−detect
Pre−Remedy
Post−Remedy





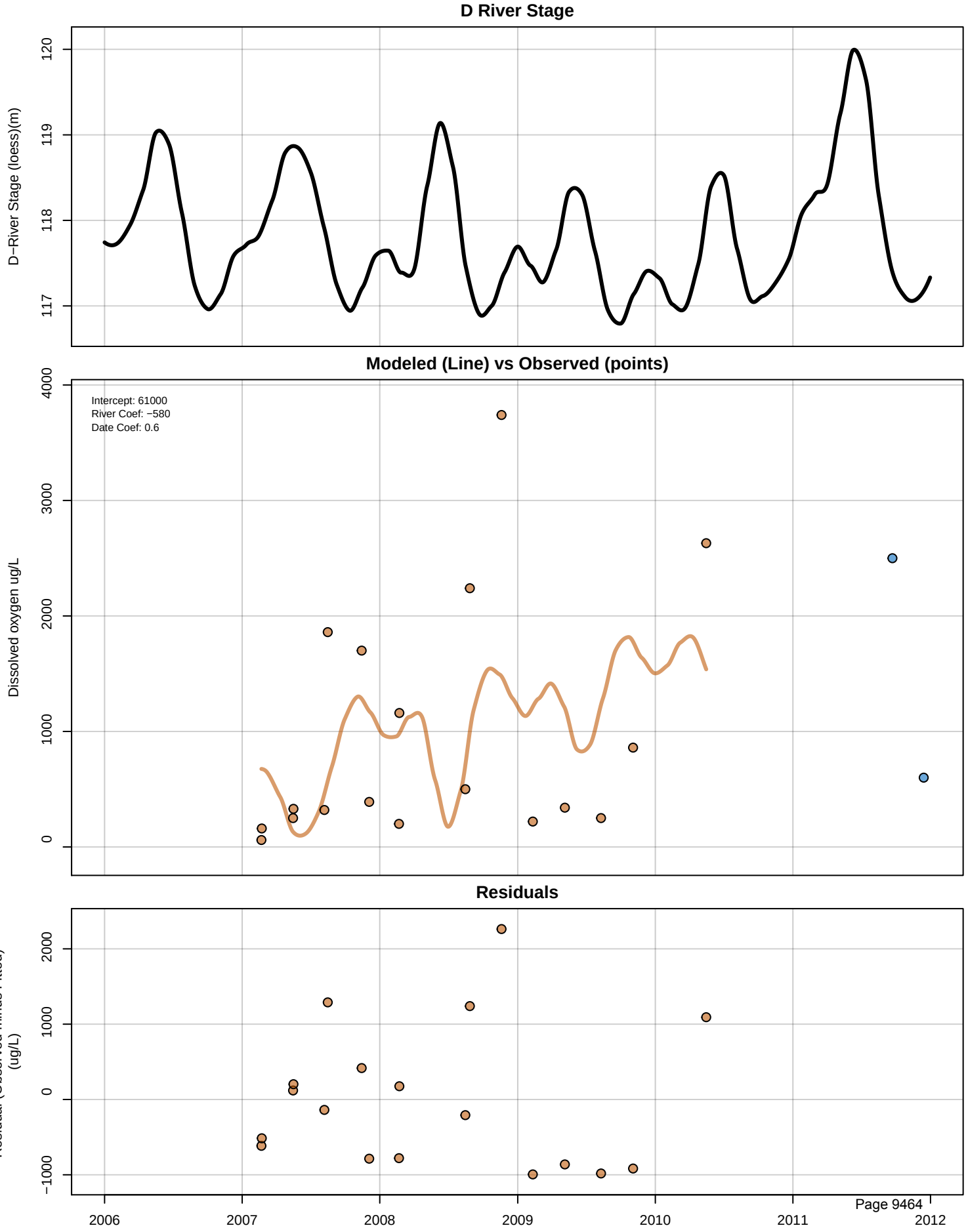


199−D4−61 (178m) Lag (Indeterminate)

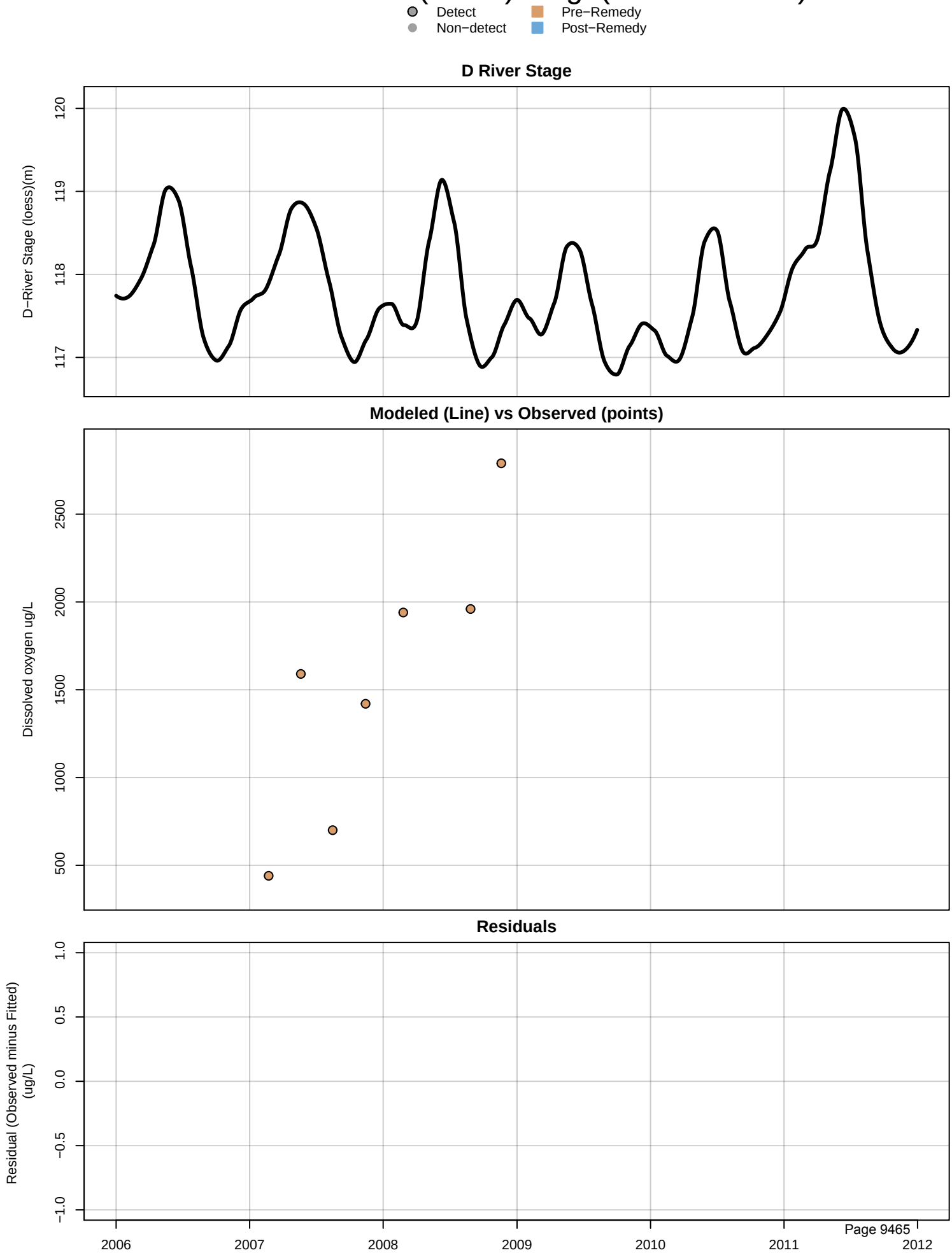


199−D4−62 (185m) Lag (21 Days)

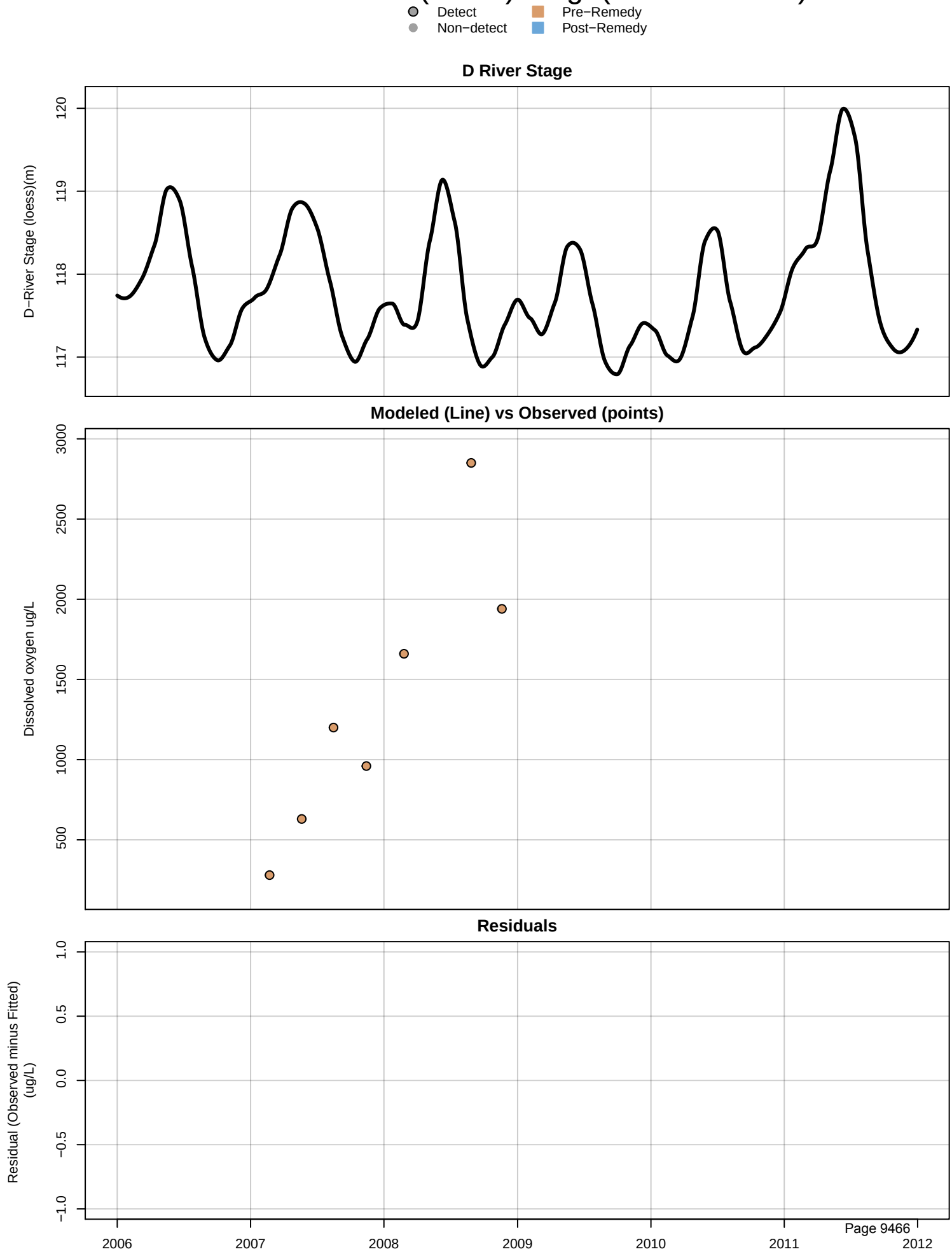
Detect
Non−detect
Pre−Remedy
Post−Remedy



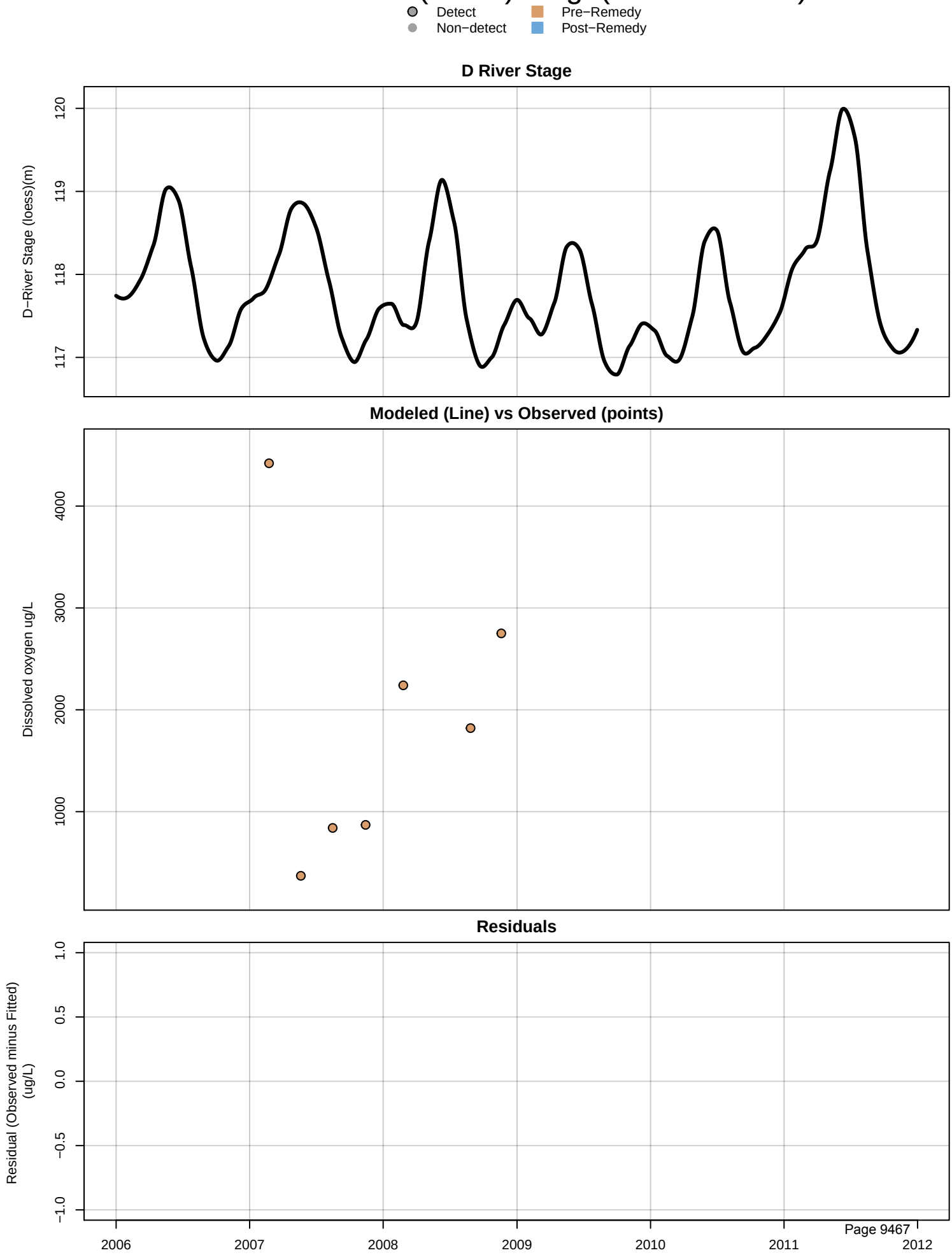
199−D4−63 (178m) Lag (Indeterminate)



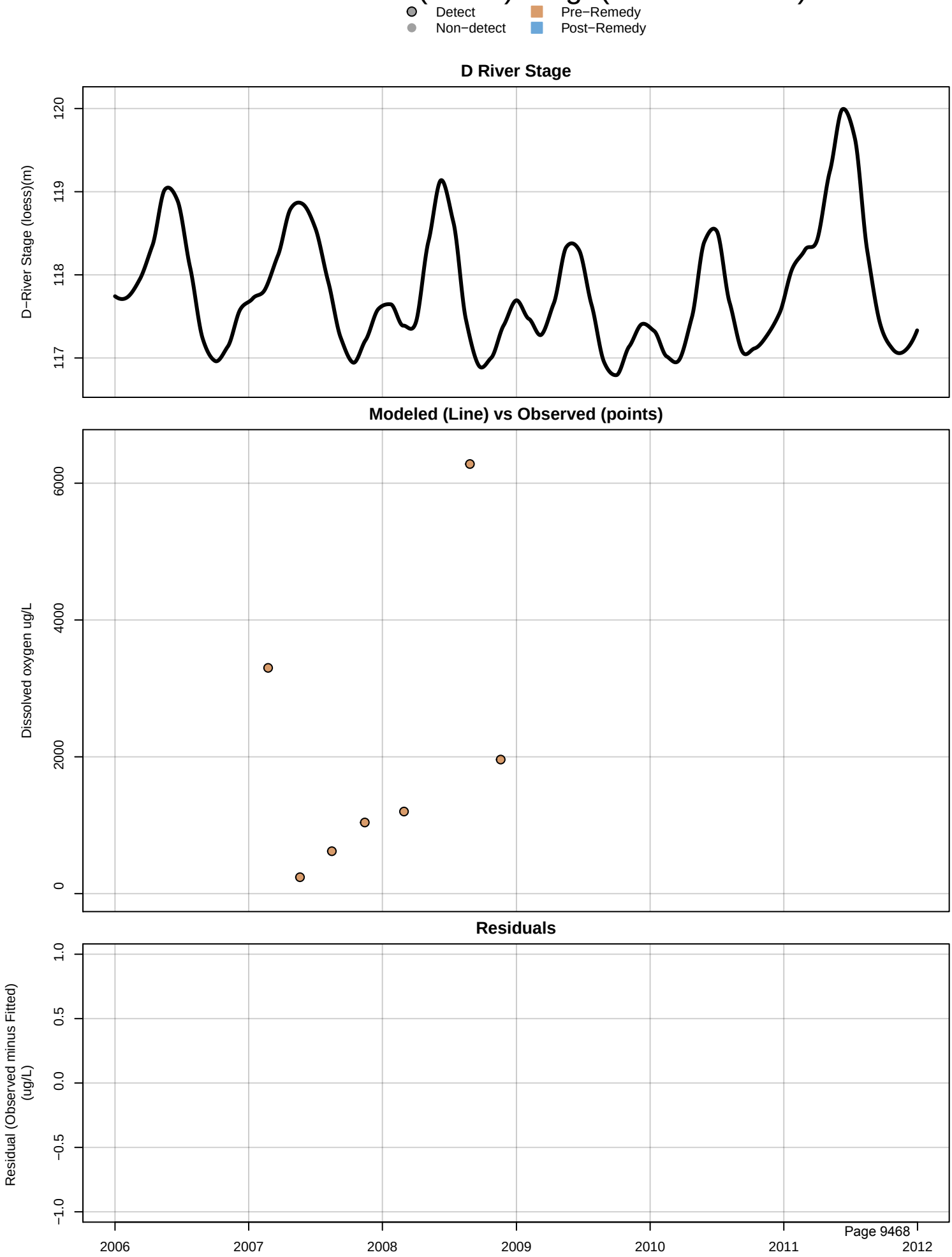
199−D4−64 (186m) Lag (Indeterminate)



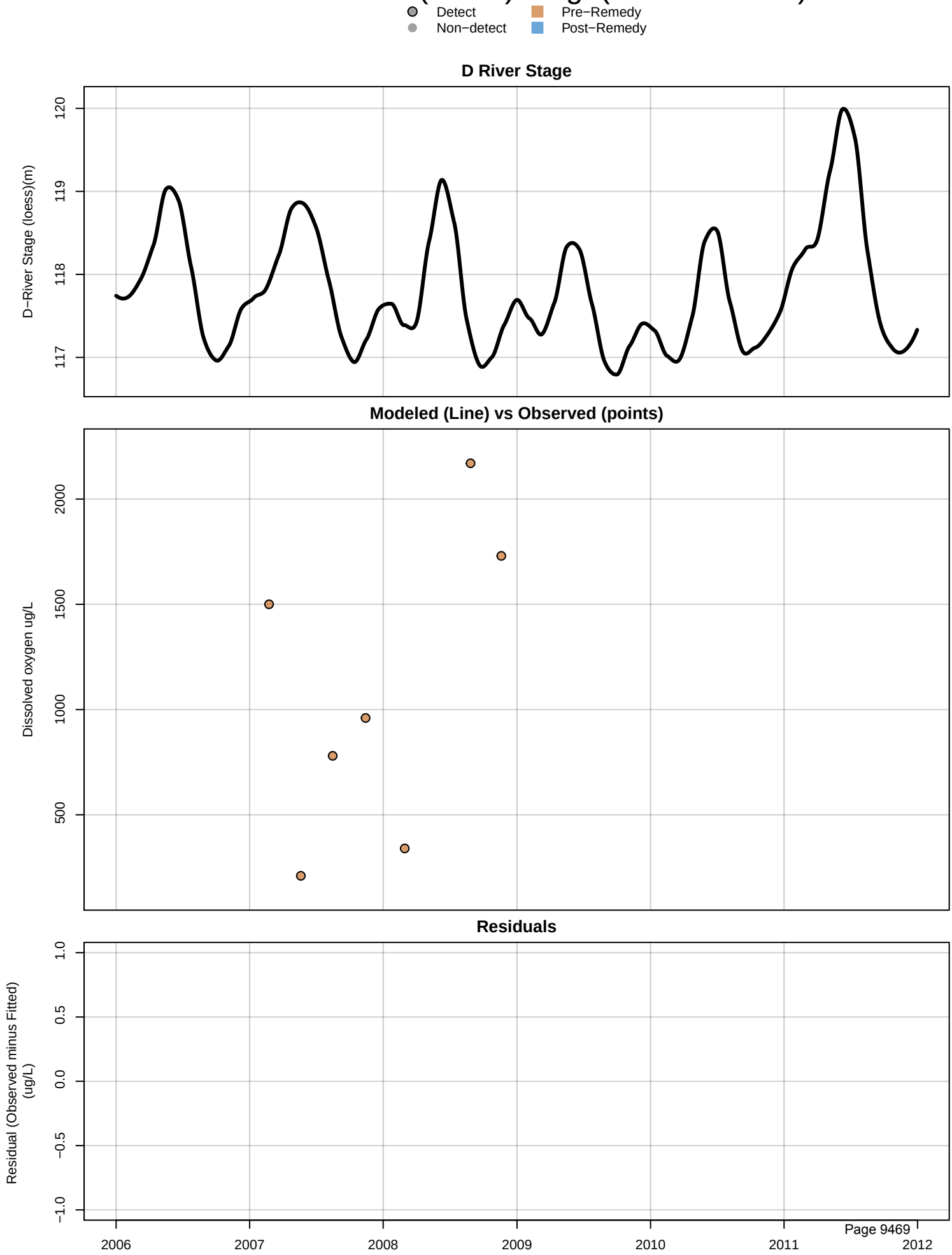
199−D4−65 (179m) Lag (Indeterminate)



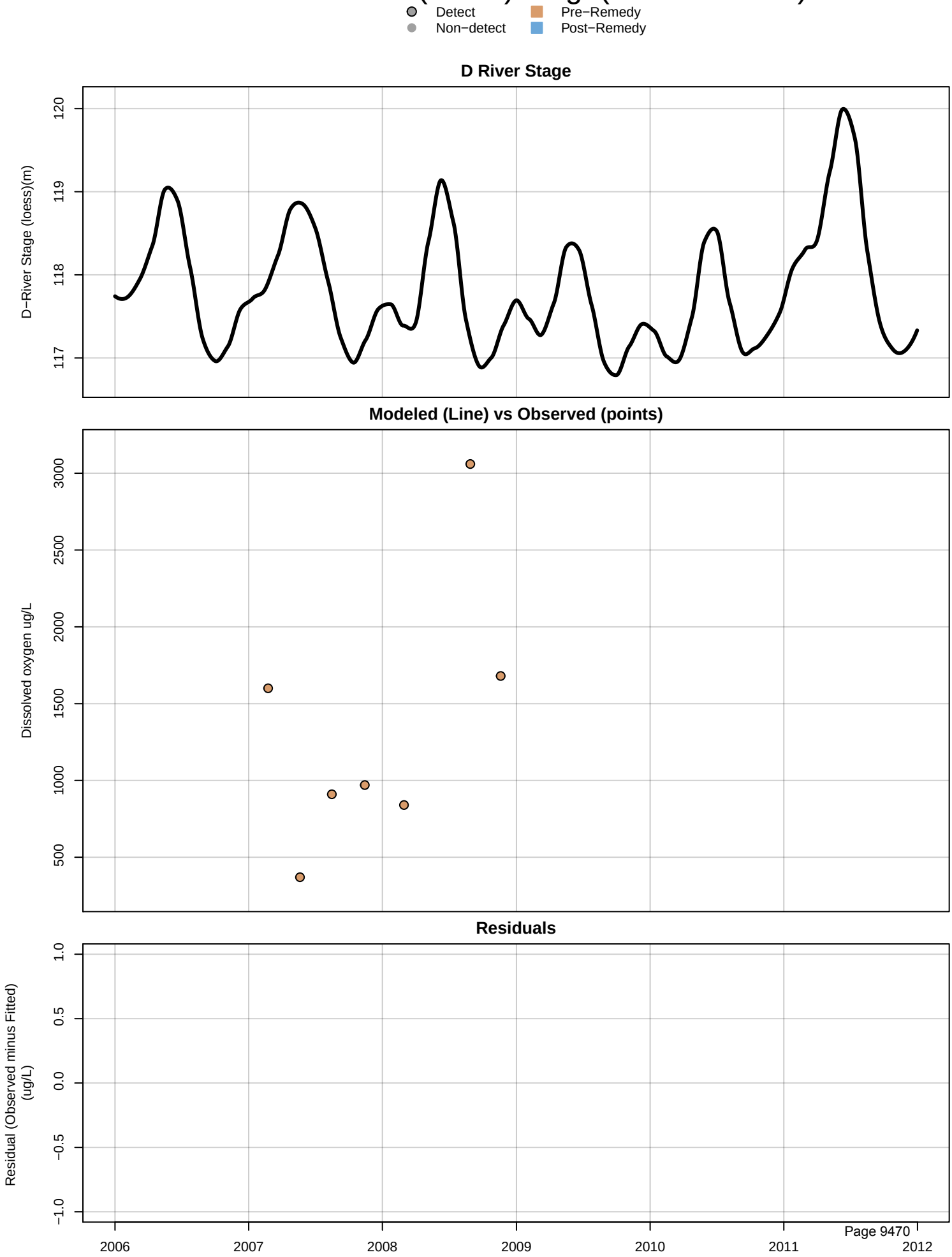
199−D4−66 (187m) Lag (Indeterminate)



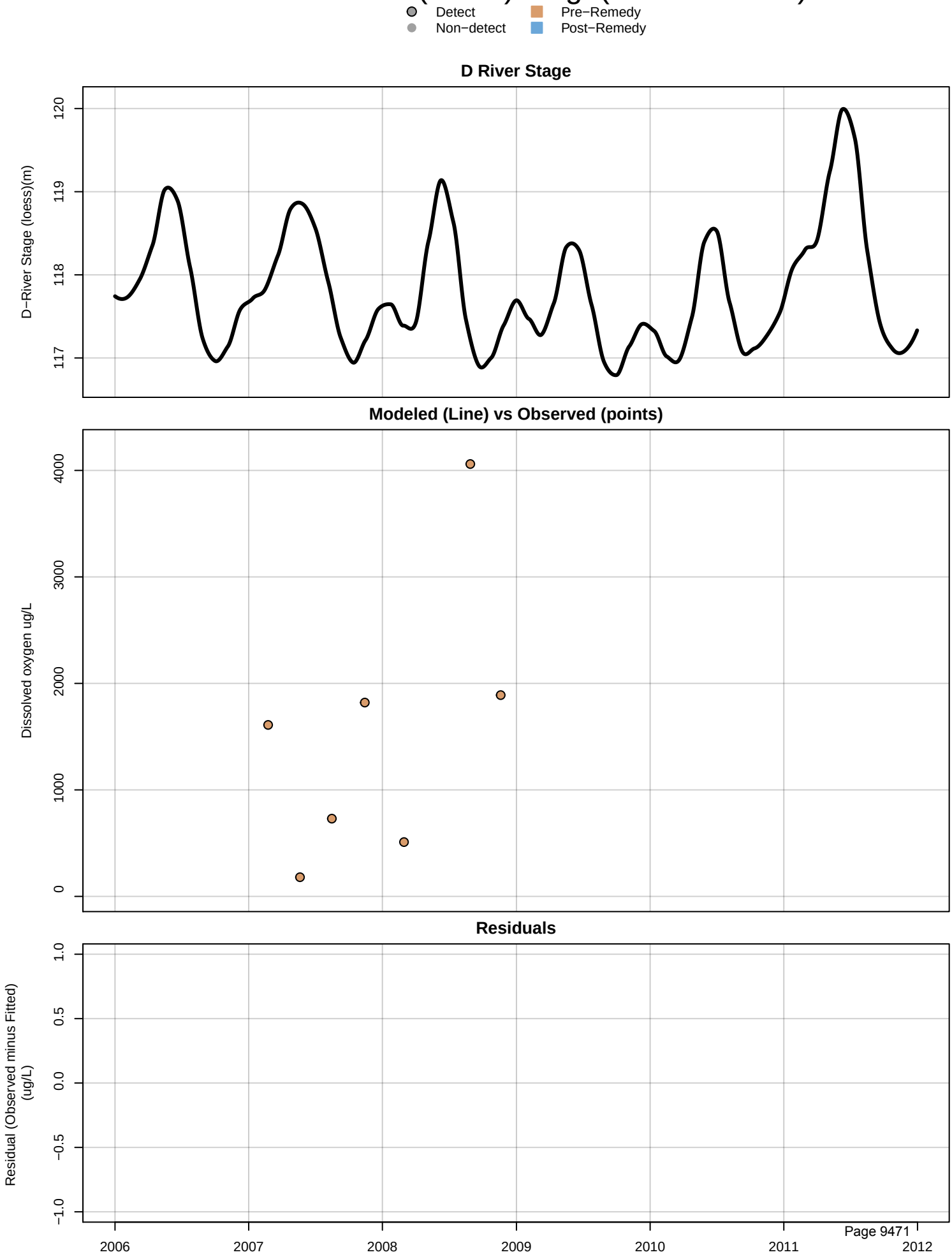
199−D4−67 (180m) Lag (Indeterminate)



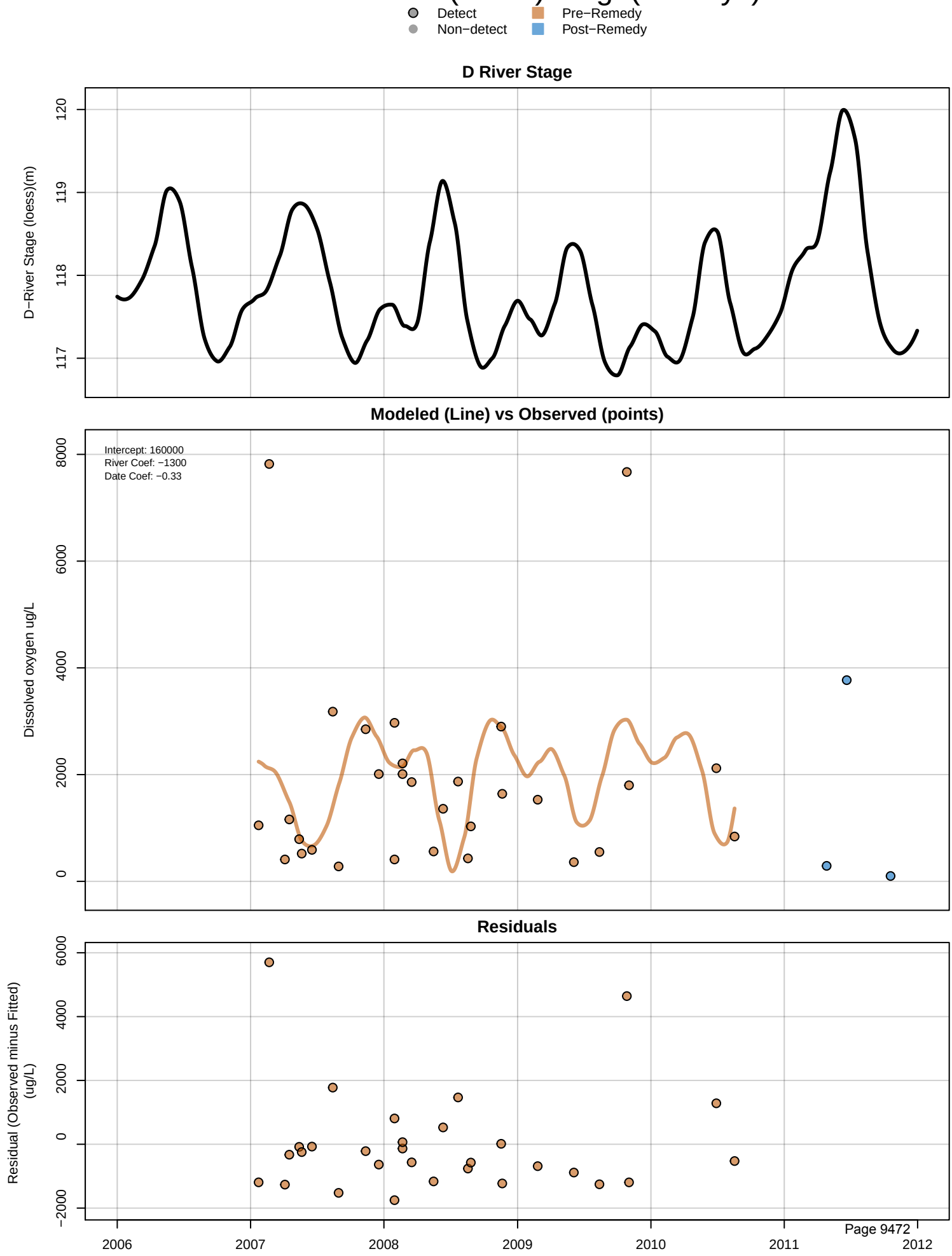
199−D4−68 (188m) Lag (Indeterminate)



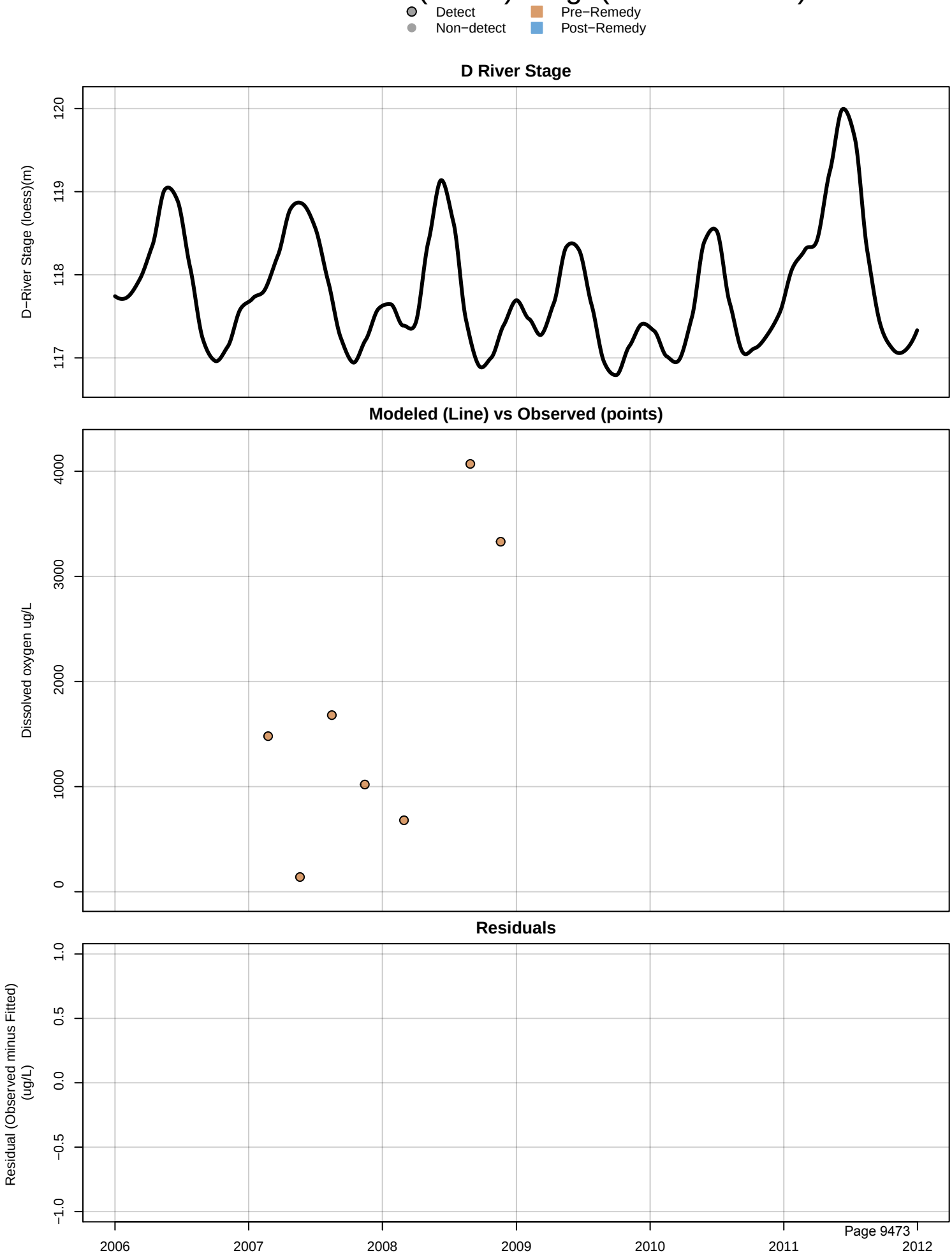
199−D4−69 (181m) Lag (Indeterminate)



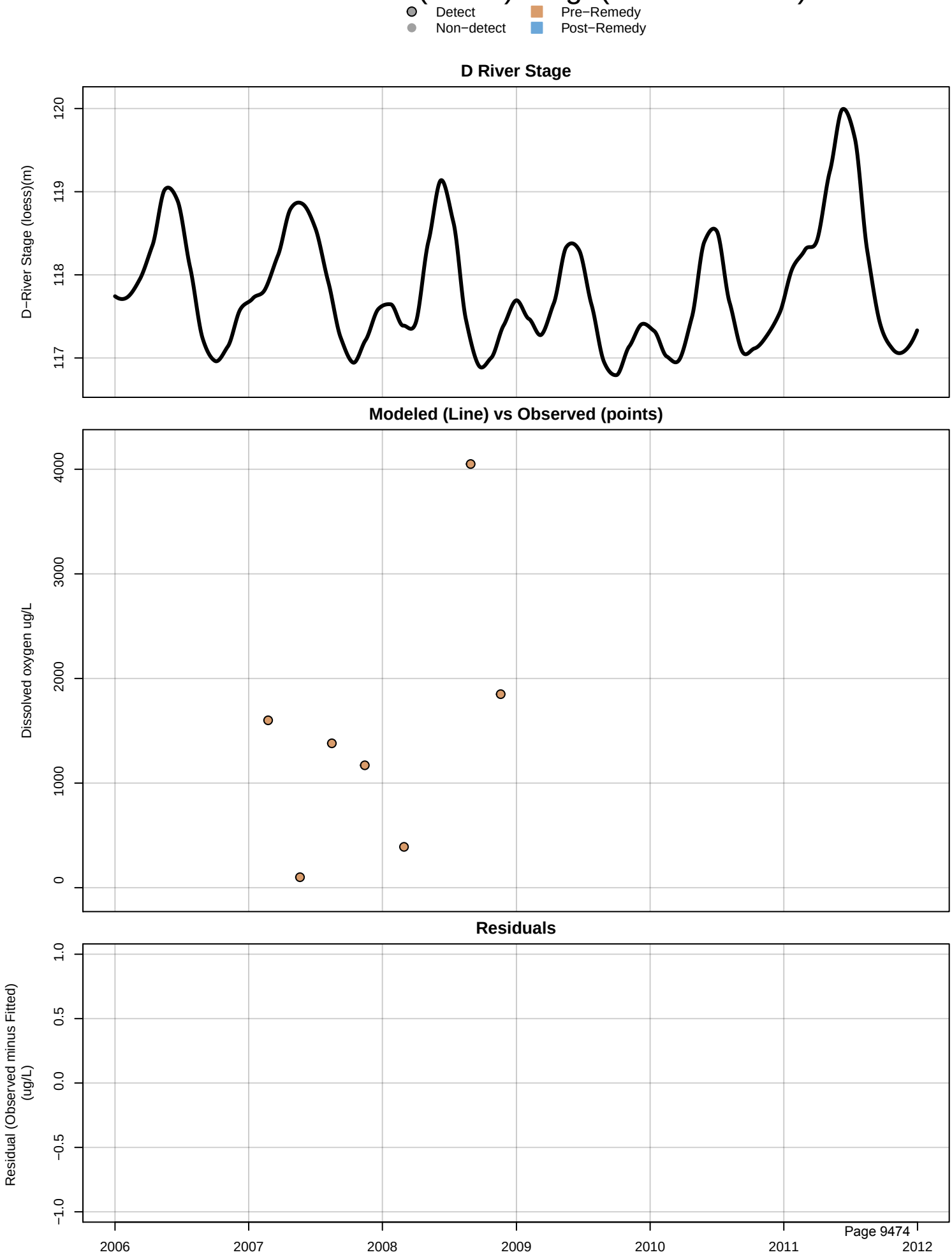
199−D4−7 (145m) Lag (26 Days)



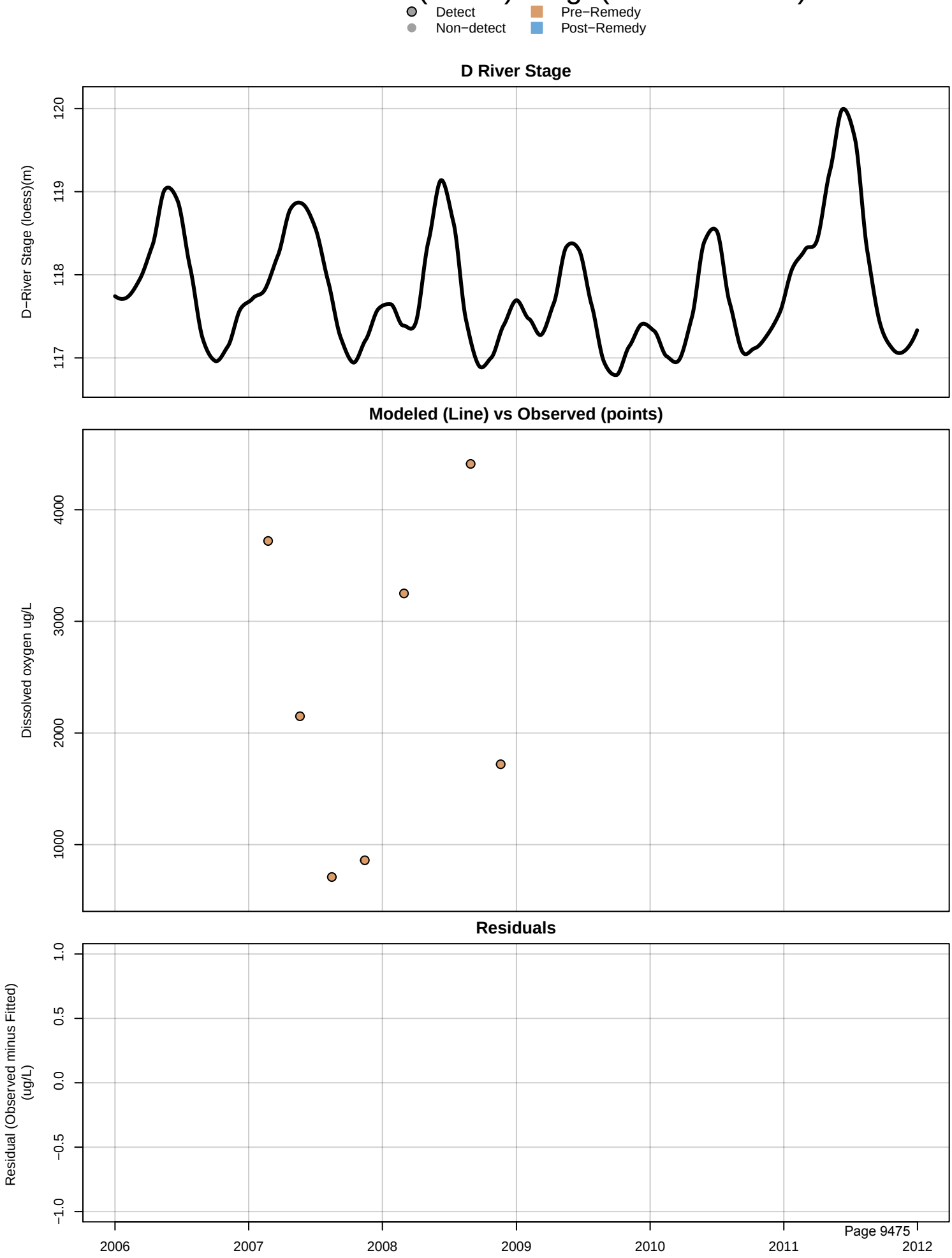
199−D4−70 (189m) Lag (Indeterminate)



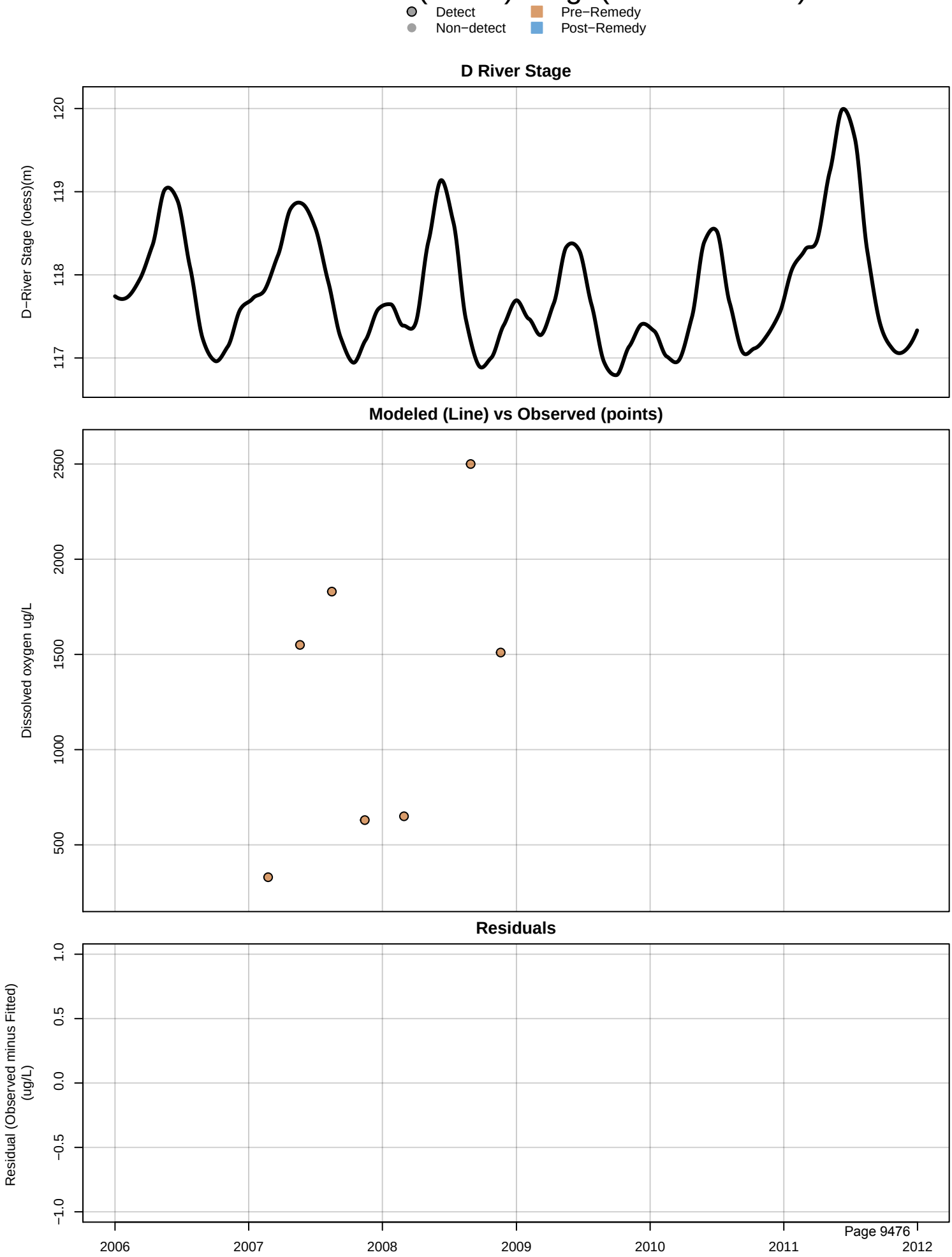
199−D4−71 (182m) Lag (Indeterminate)



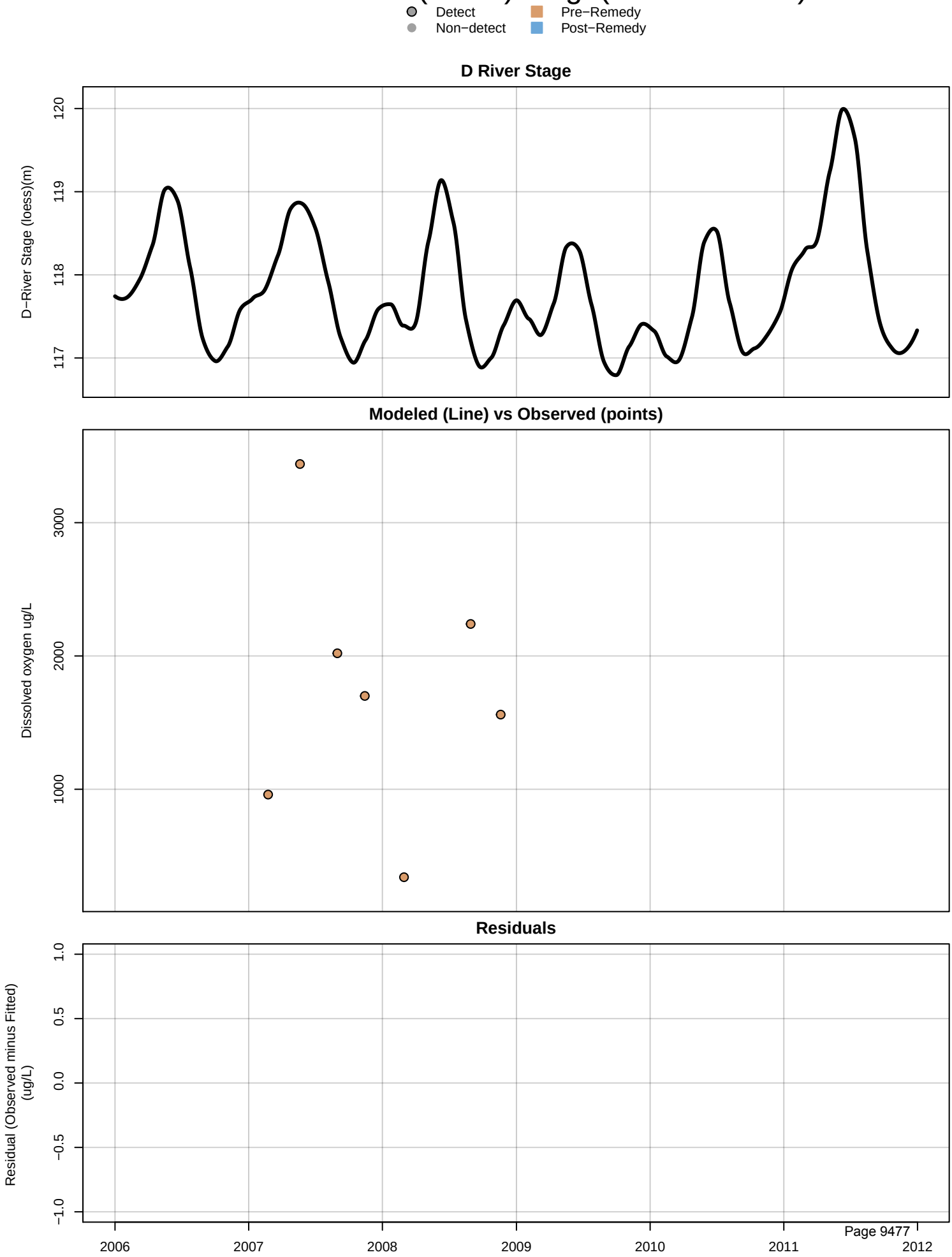
199−D4−72 (189m) Lag (Indeterminate)



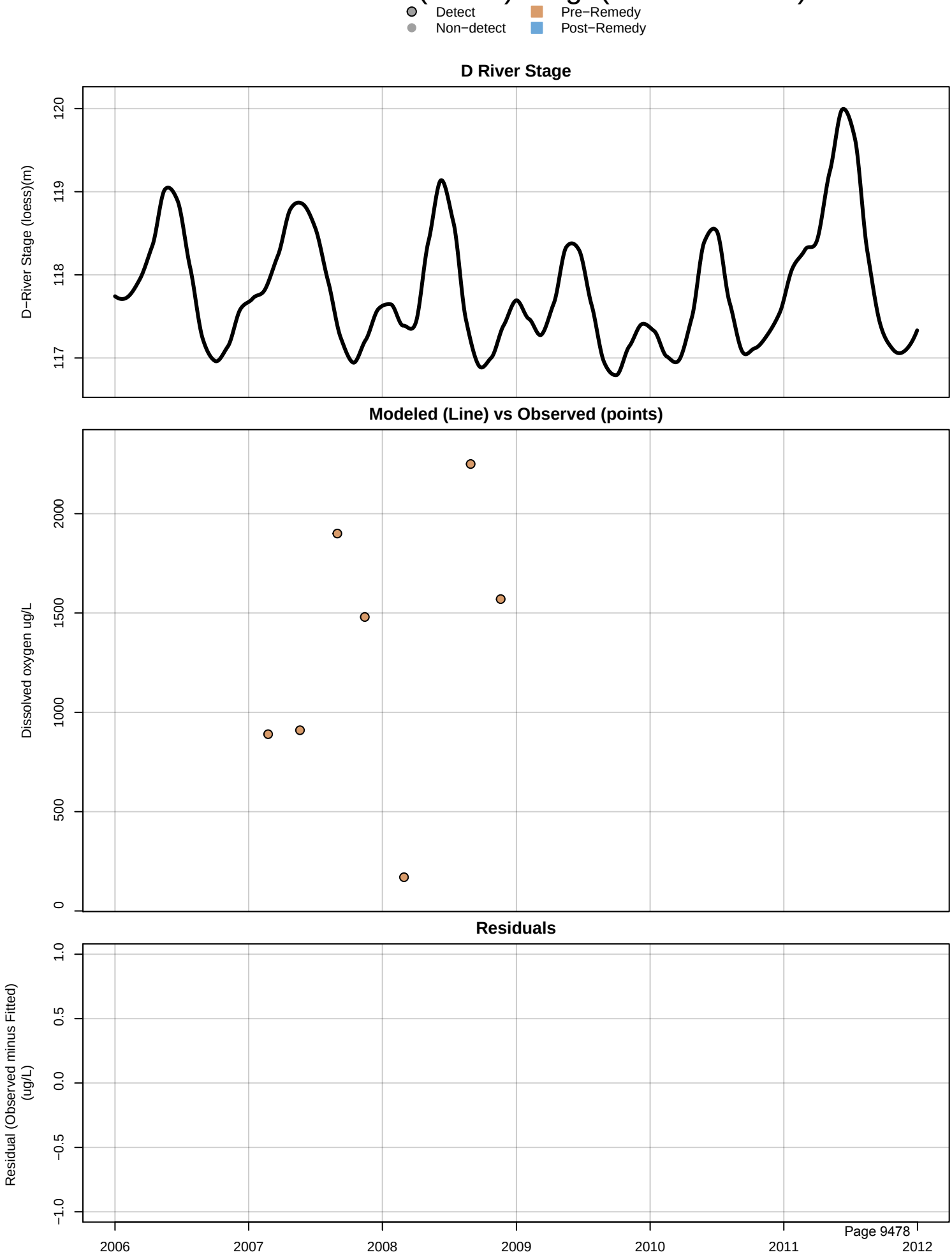
199−D4−73 (182m) Lag (Indeterminate)



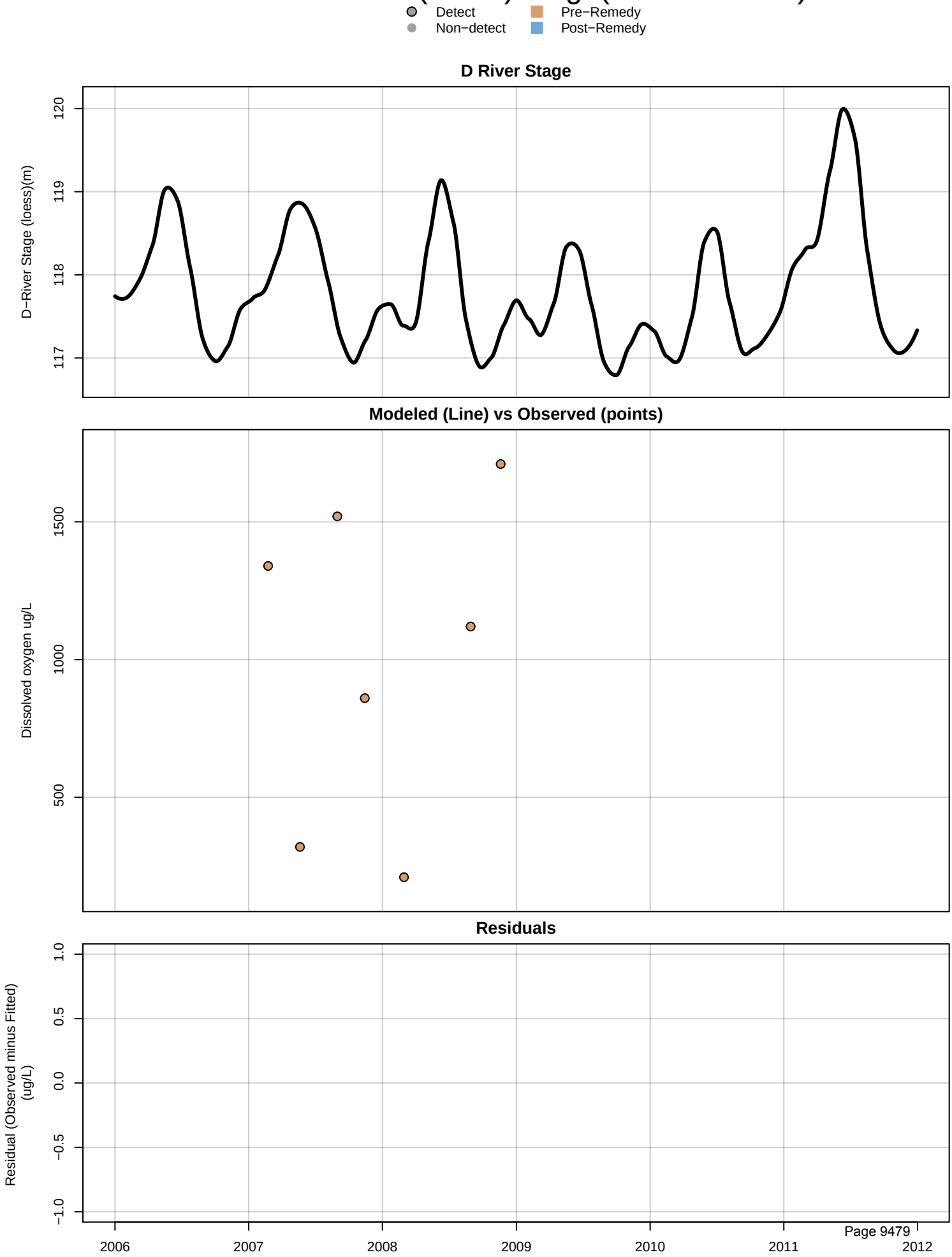
199−D4−74 (189m) Lag (Indeterminate)



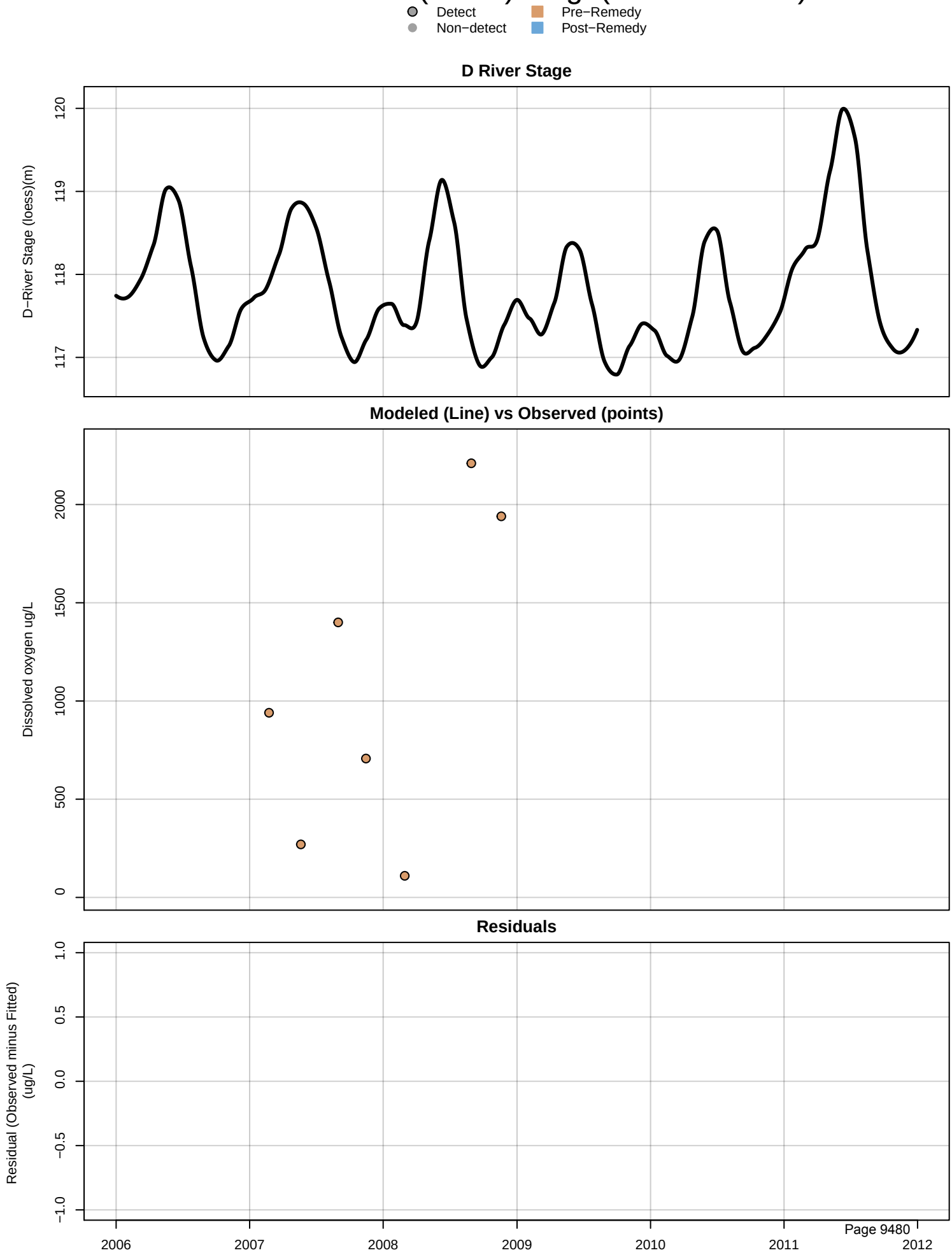
199−D4−75 (182m) Lag (Indeterminate)



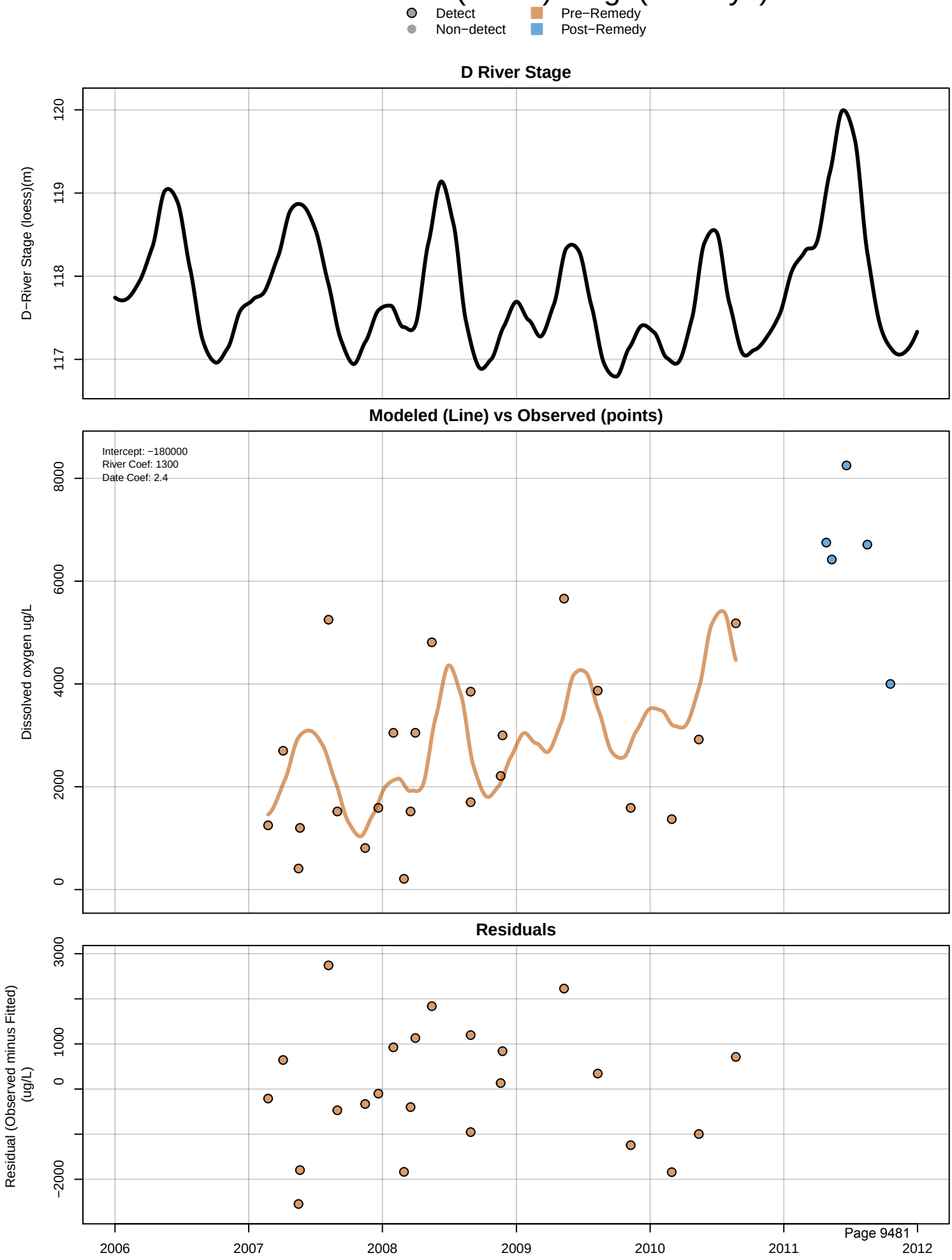
199−D4−76 (190m) Lag (Indeterminate)



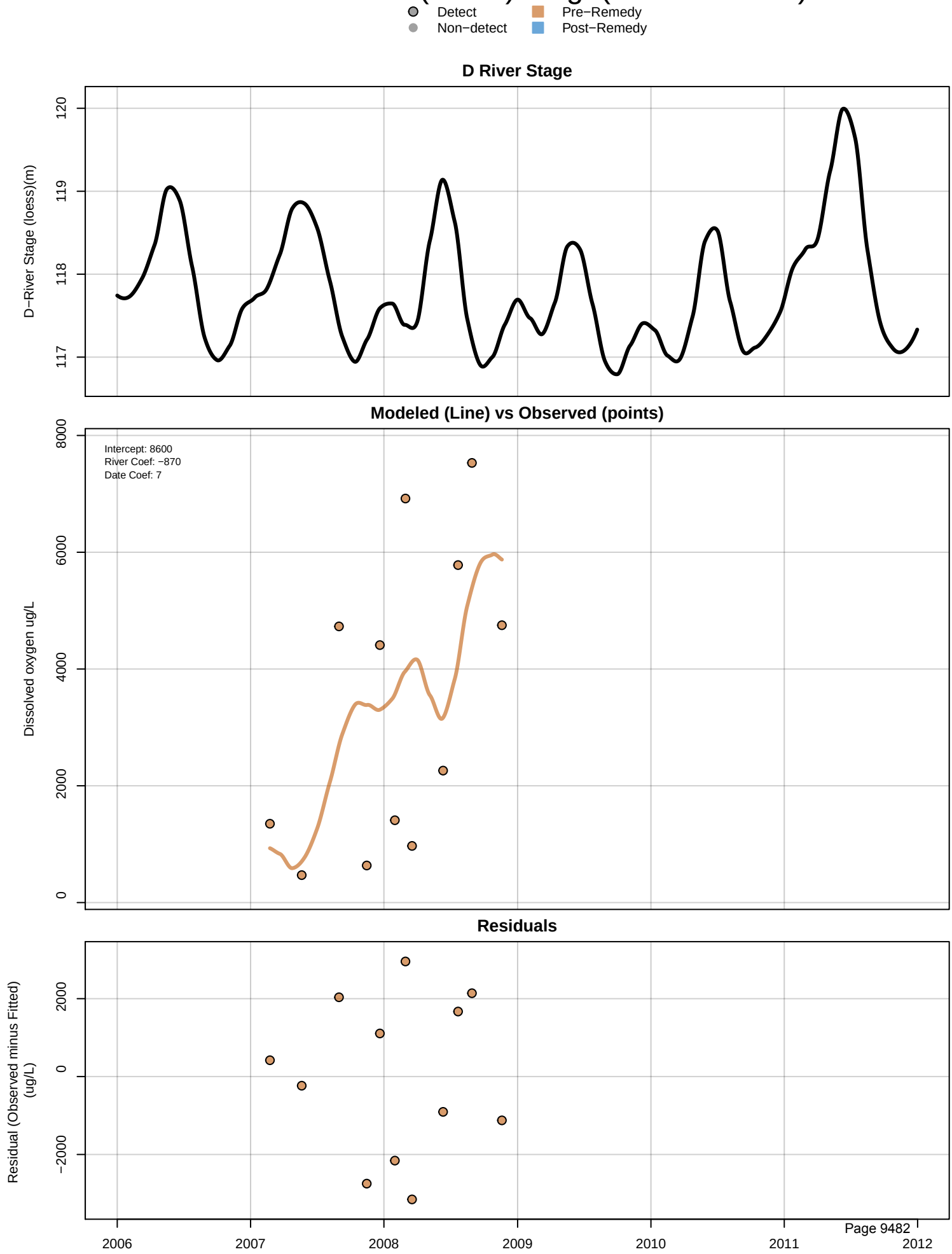
199−D4−77 (183m) Lag (Indeterminate)



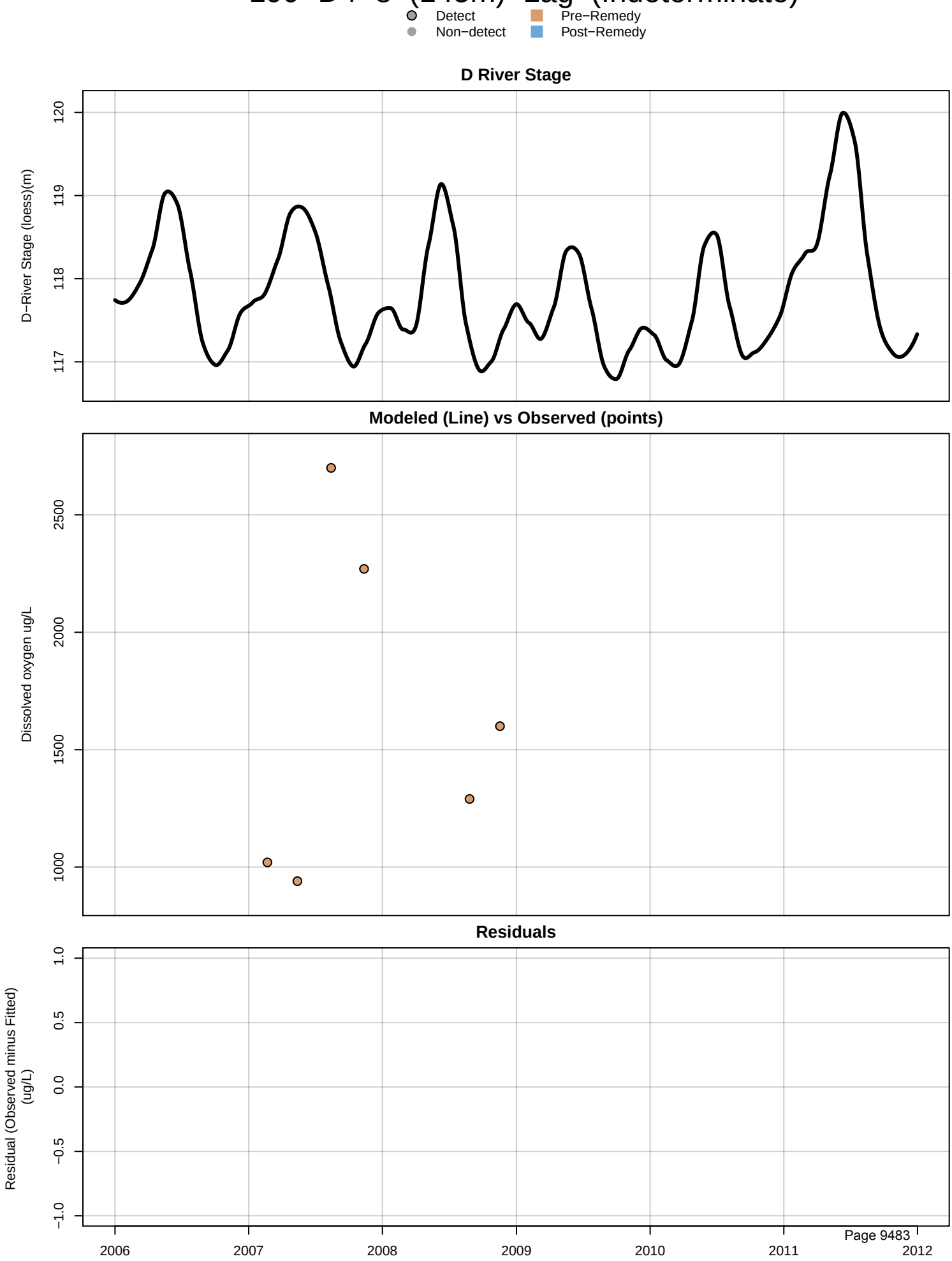
199−D4−78 (191m) Lag (20 Days)



199−D4−79 (184m) Lag (Indeterminate)

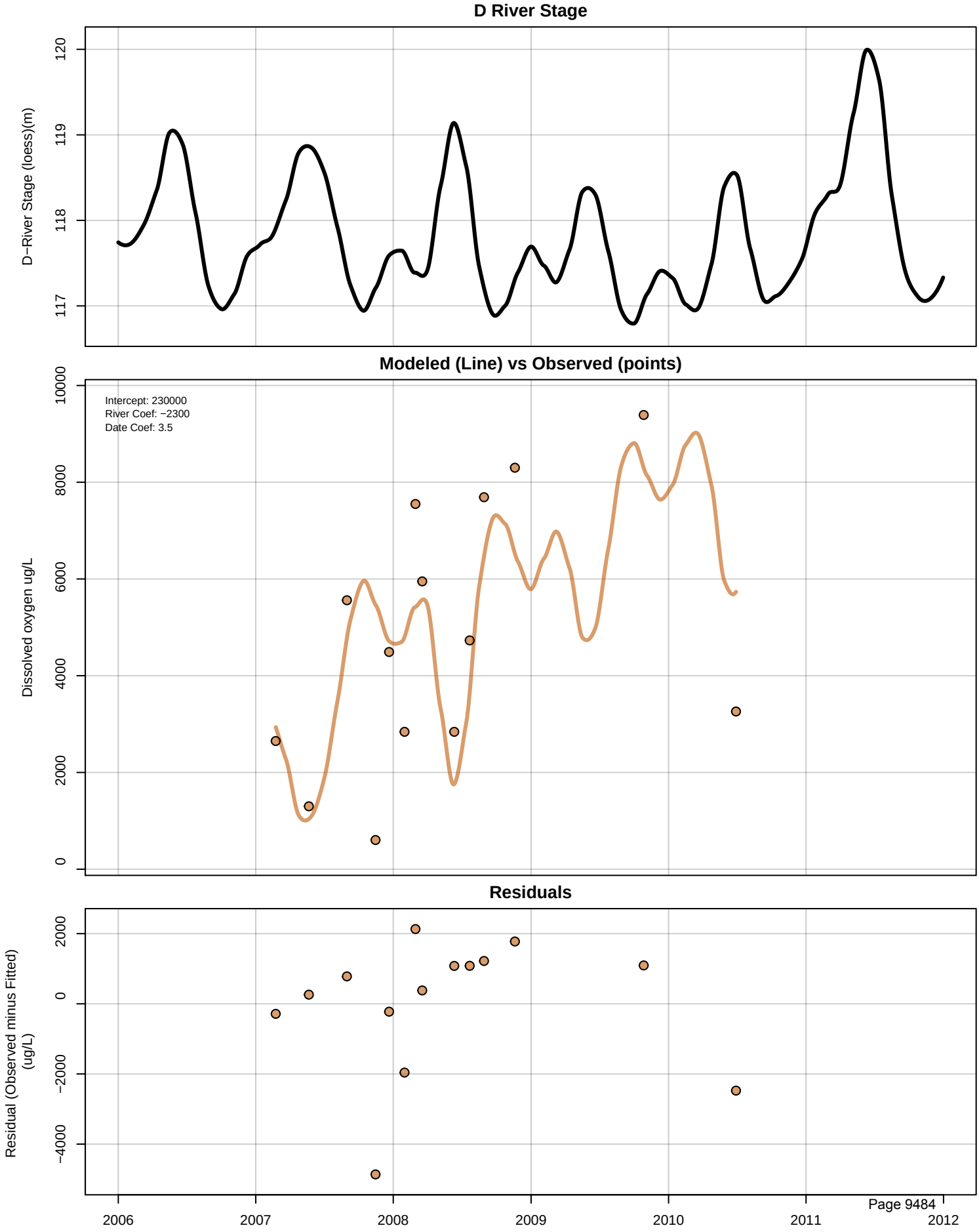


199−D4−8 (145m) Lag (Indeterminate)



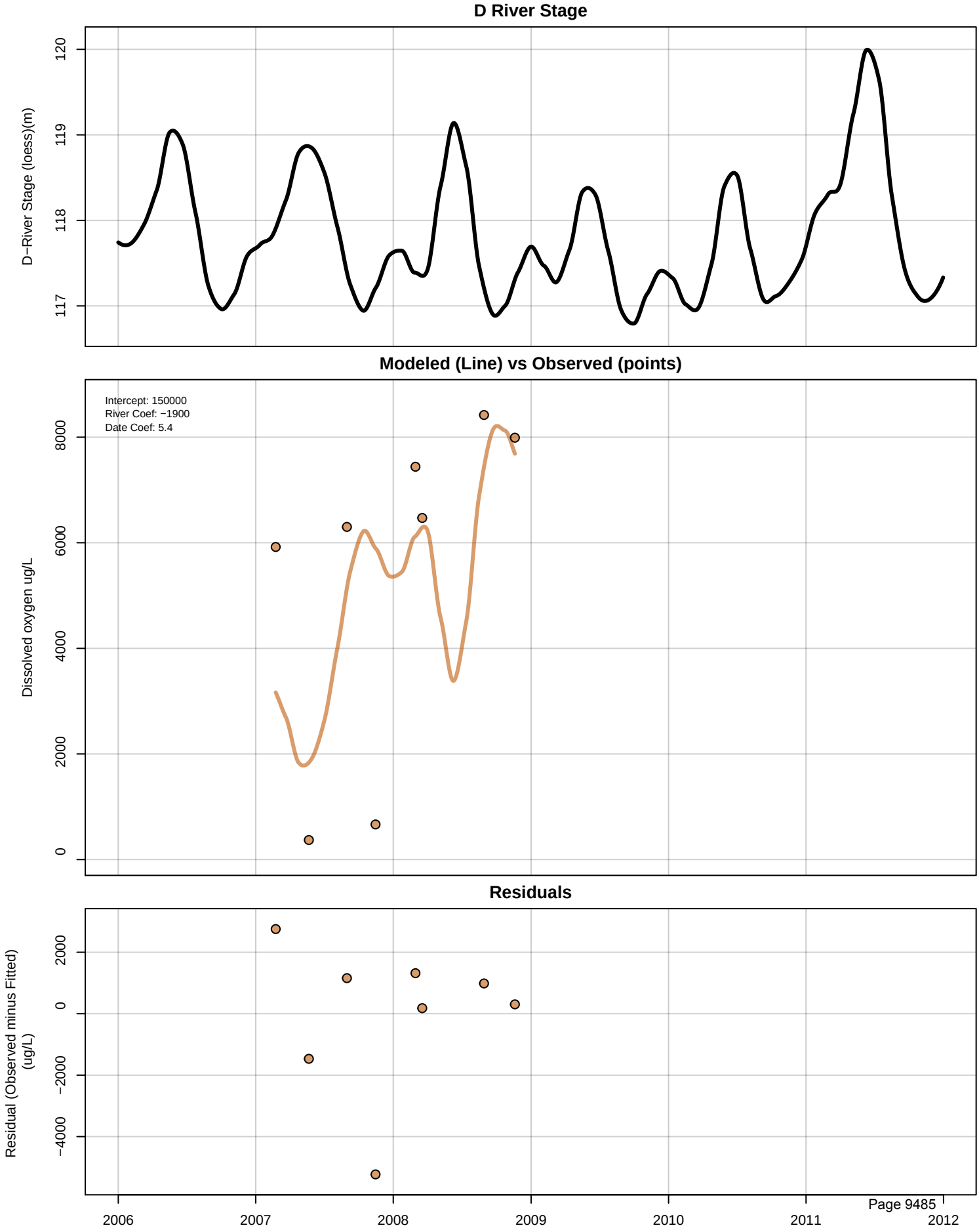
199−D4−80 (191m) Lag (Indeterminate)

Detect
Non−detect
Pre−Remedy
Post−Remedy

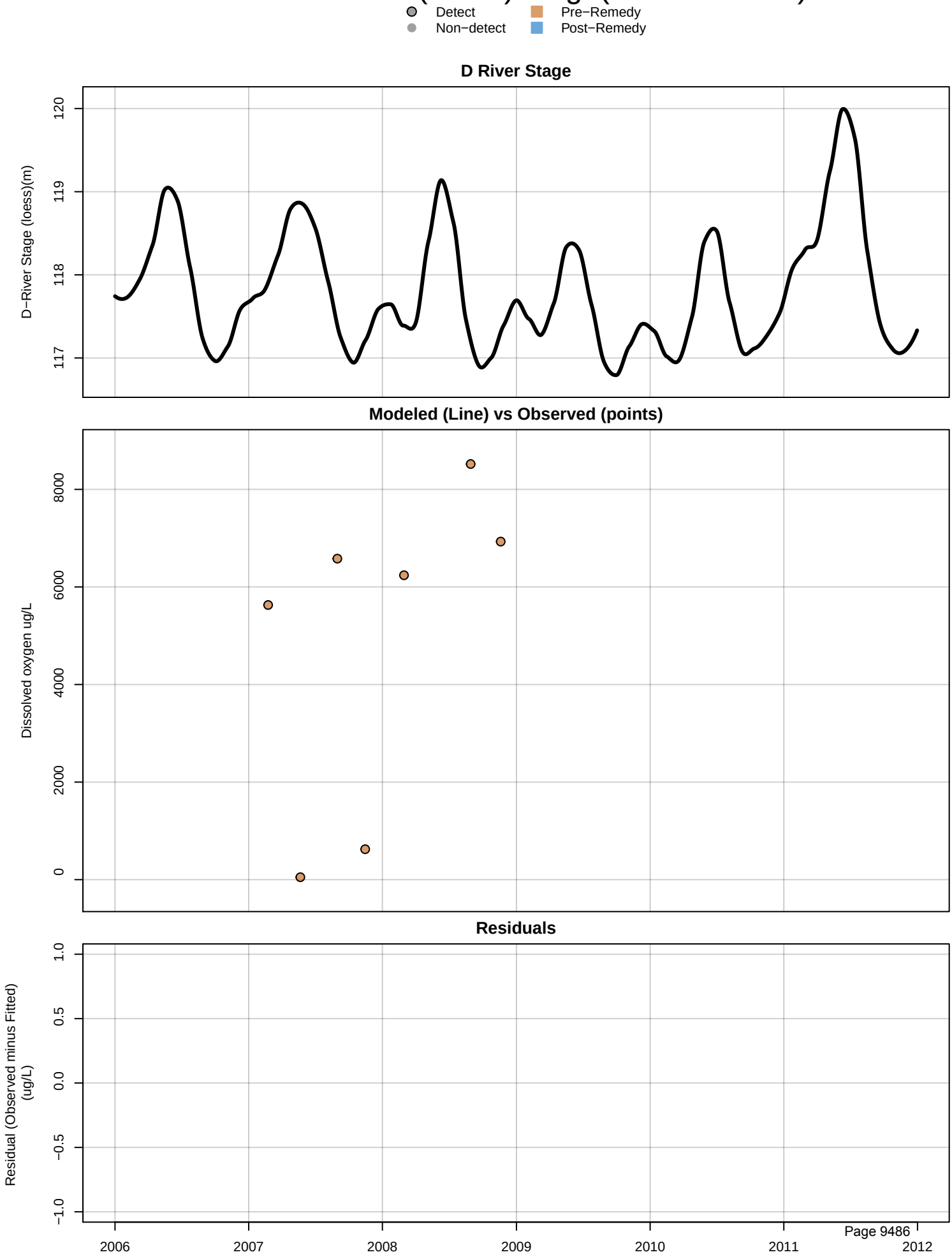


199−D4−81 (183m) Lag (Indeterminate)

Detect
Non−detect
Pre−Remedy
Post−Remedy

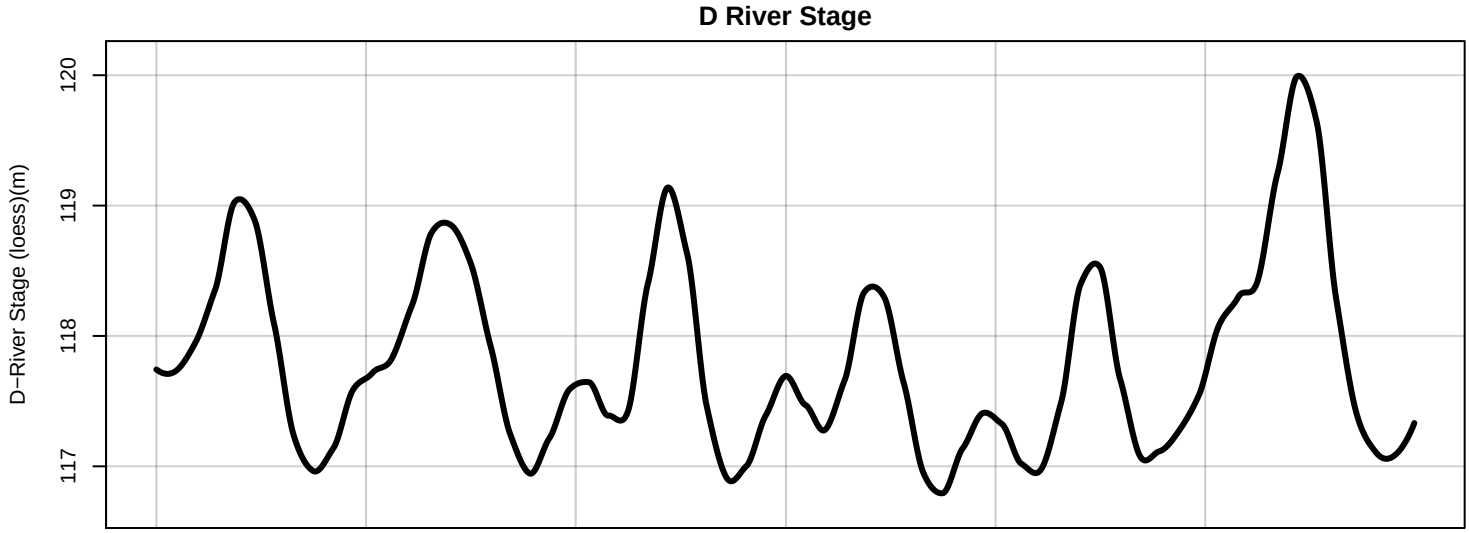


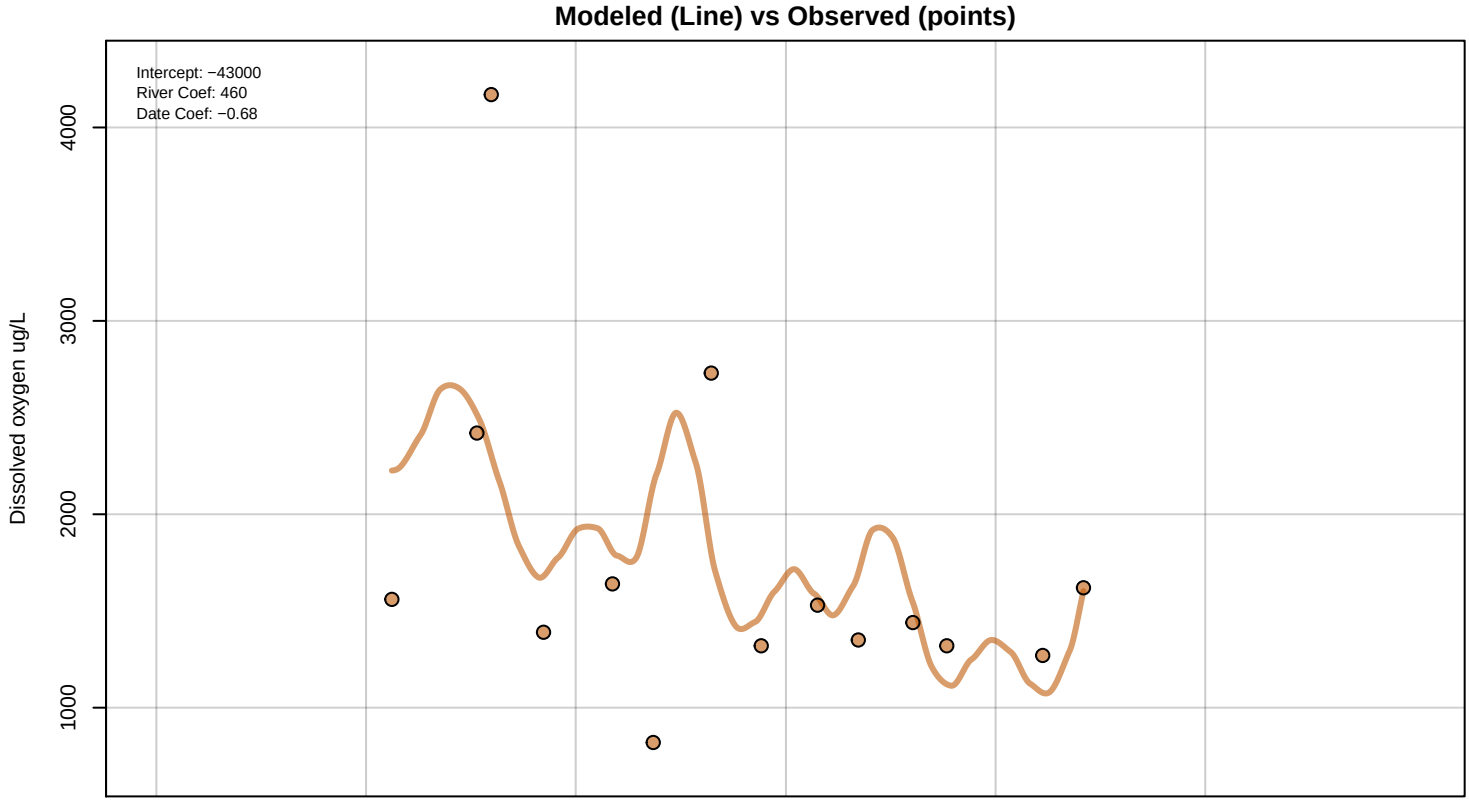
199−D4−82 (182m) Lag (Indeterminate)

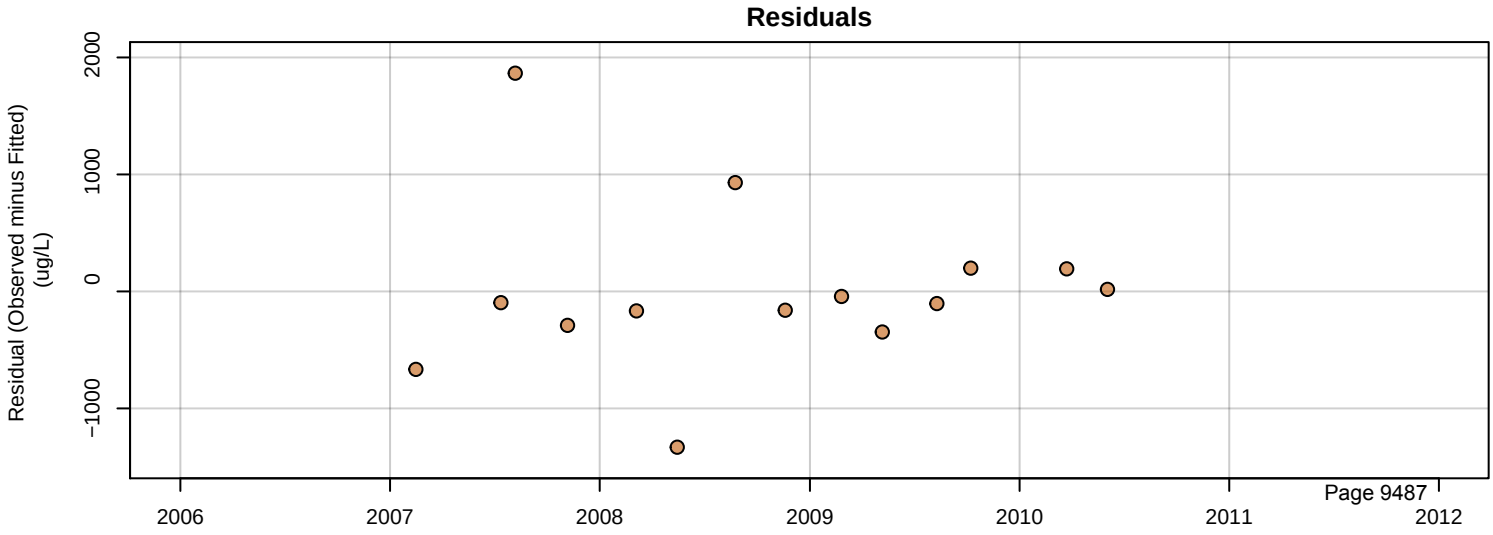


199−D4−84* (92m) Lag (15 Days)

Detect
Non−detect
Pre−Remedy
Post−Remedy

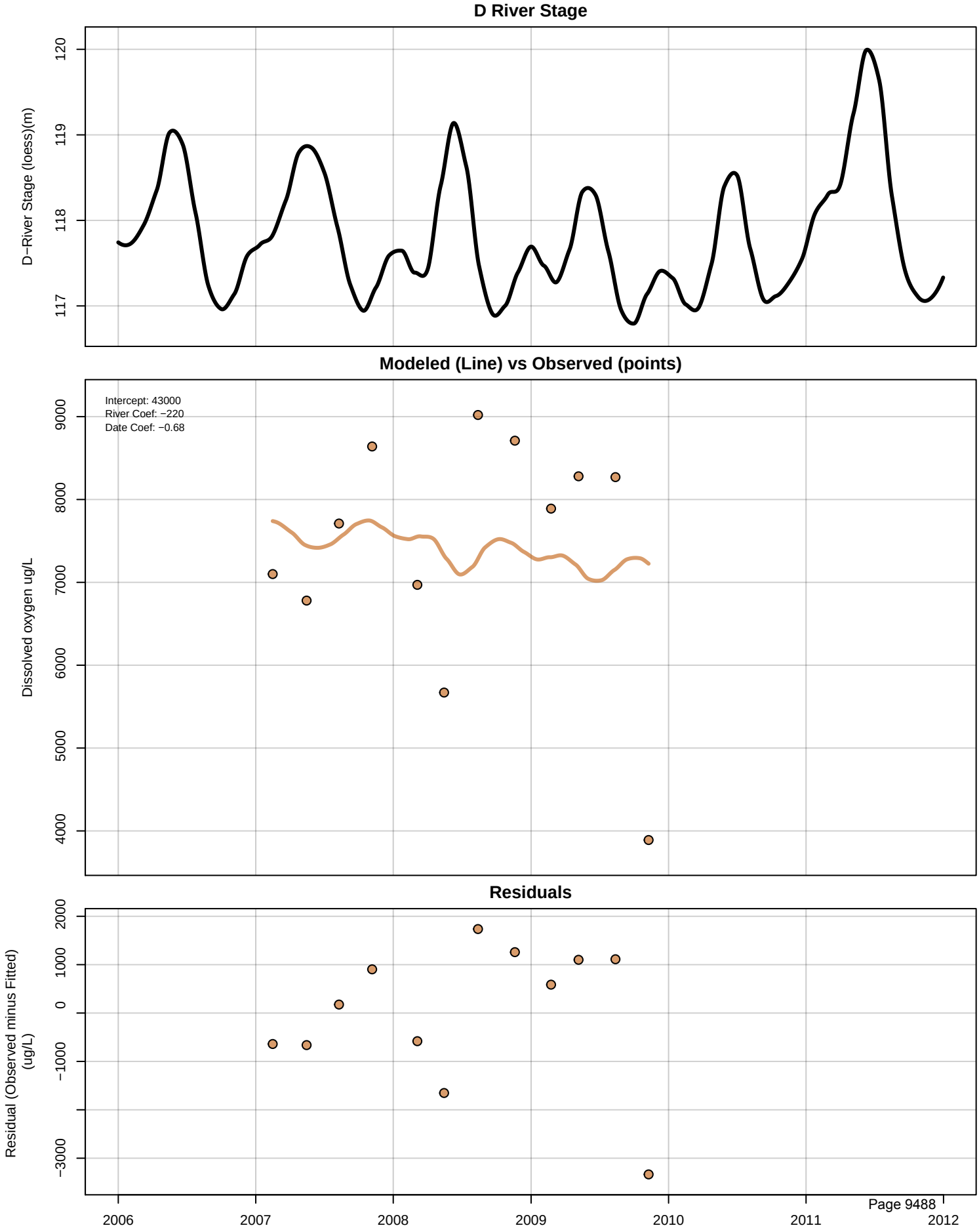






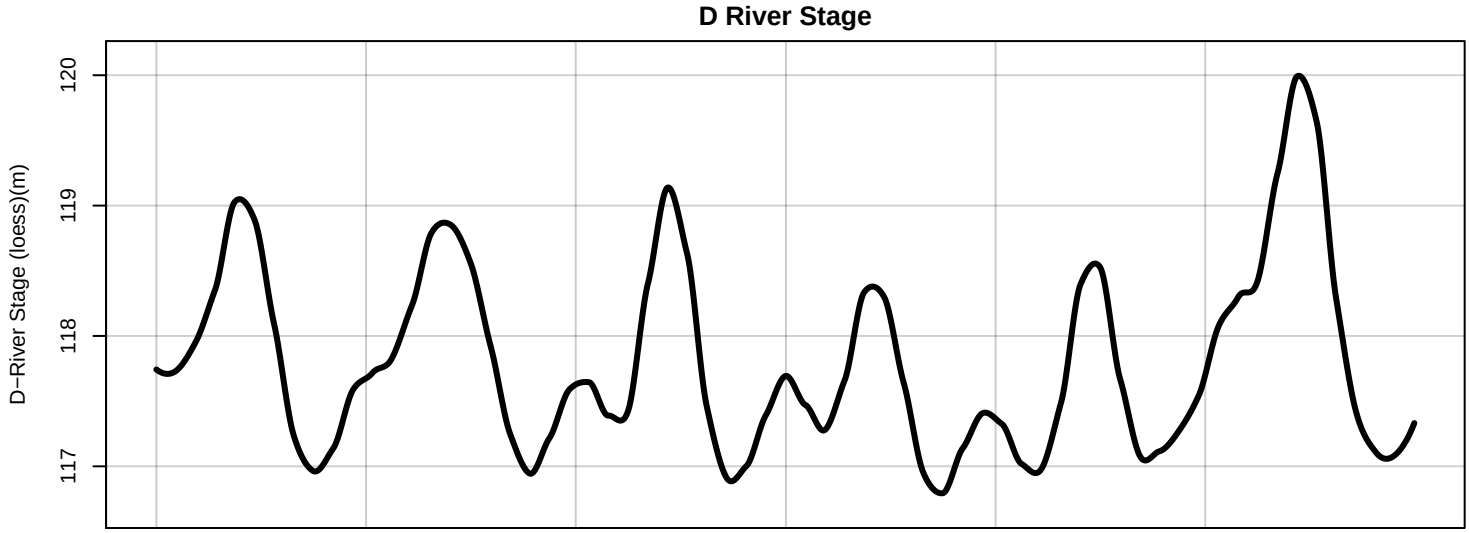
199−D4−85* (99m) Lag (16 Days)

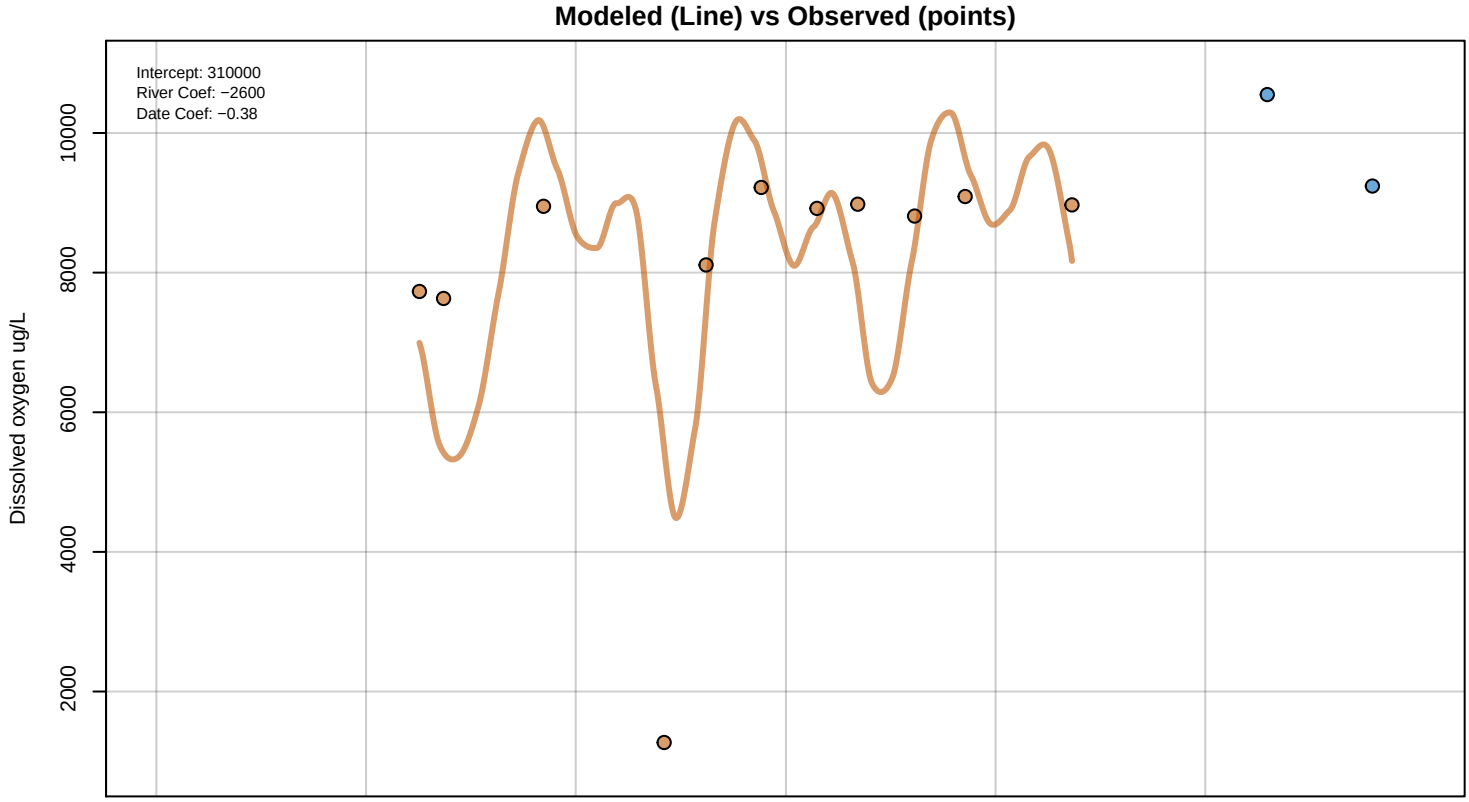
Detect
Non−detect
Pre−Remedy
Post−Remedy

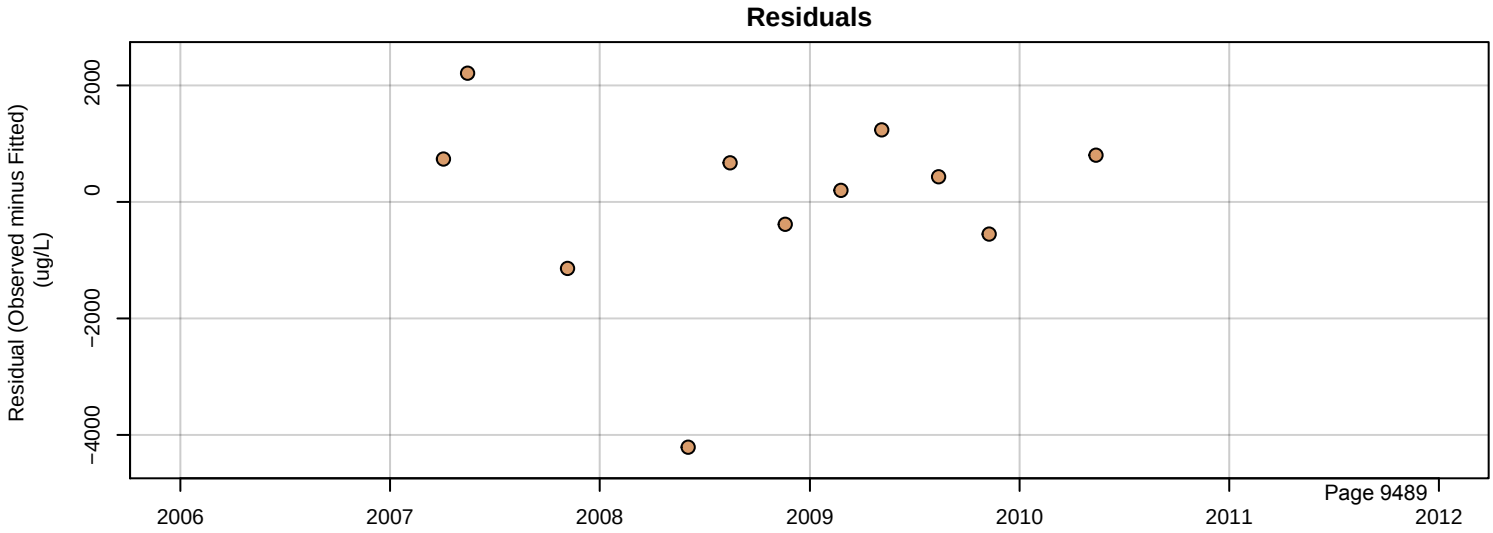


199−D4−86 (108m) Lag (14 Days)

Detect
Non−detect
Pre−Remedy
Post−Remedy

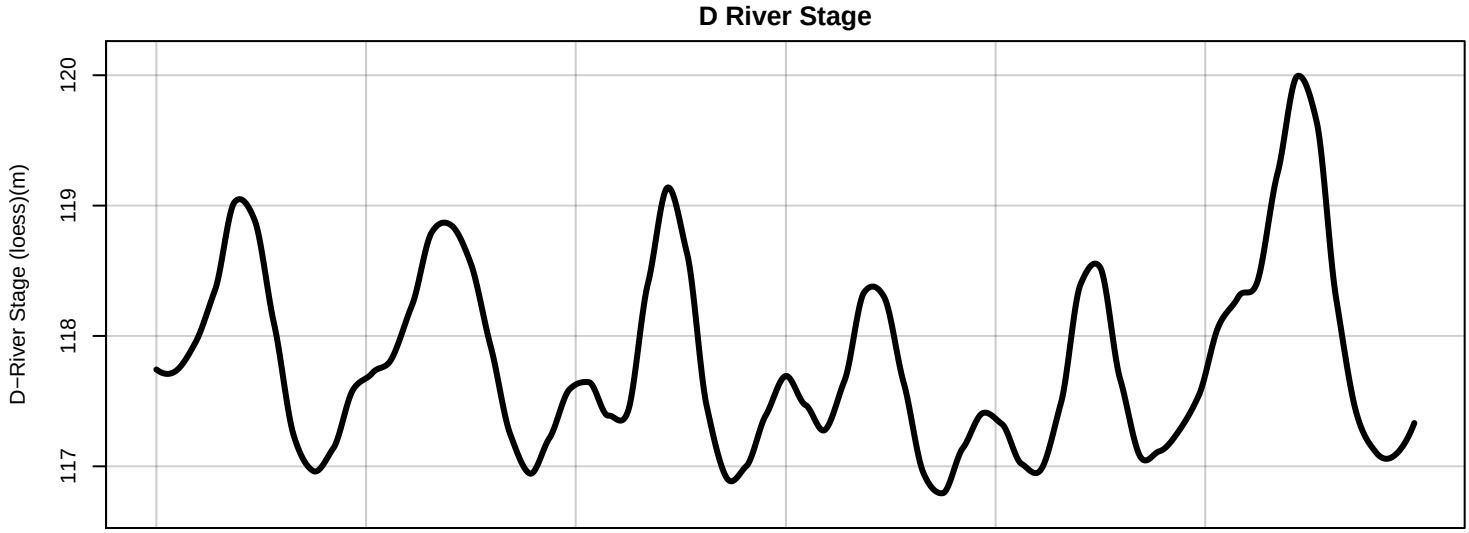


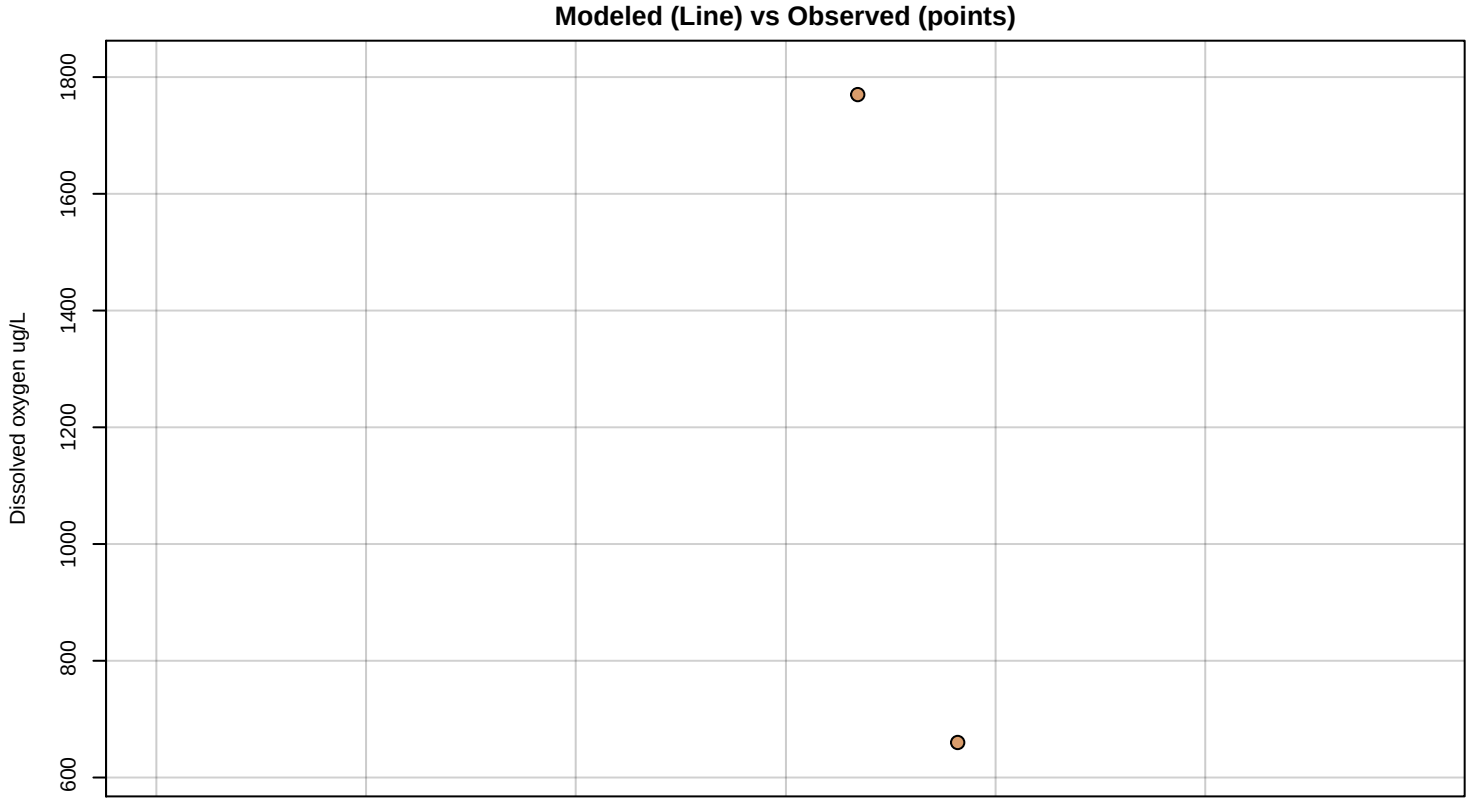


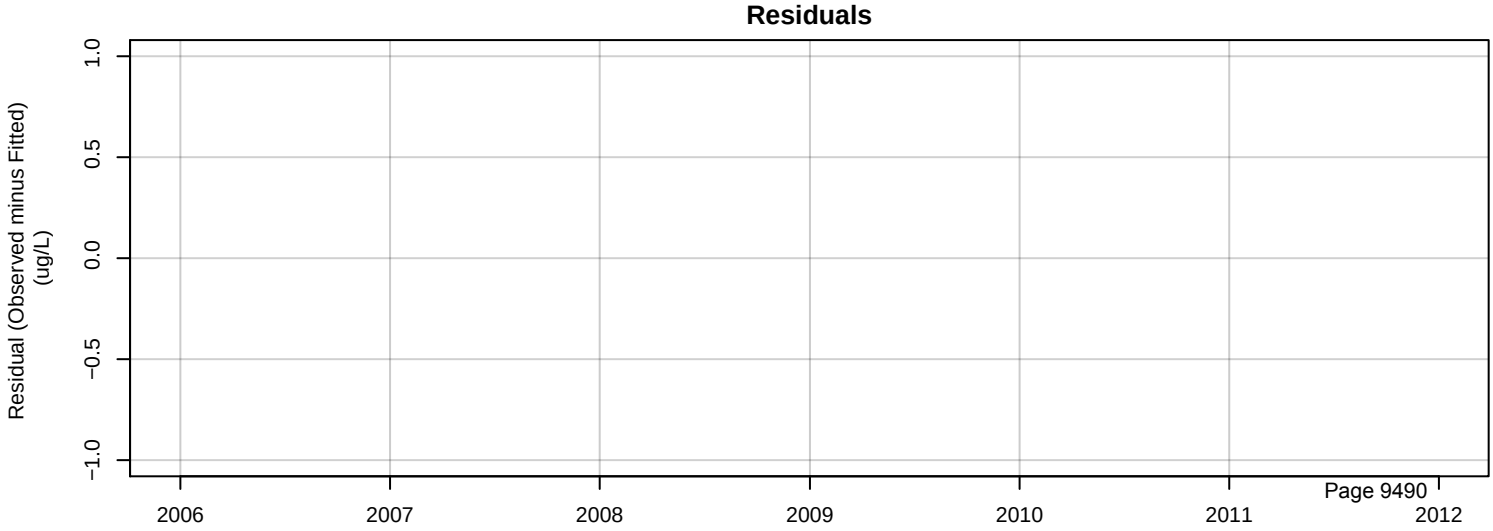


199−D4−92 (158m) Lag (22 Days)

Detect
Non−detect
Pre−Remedy
Post−Remedy

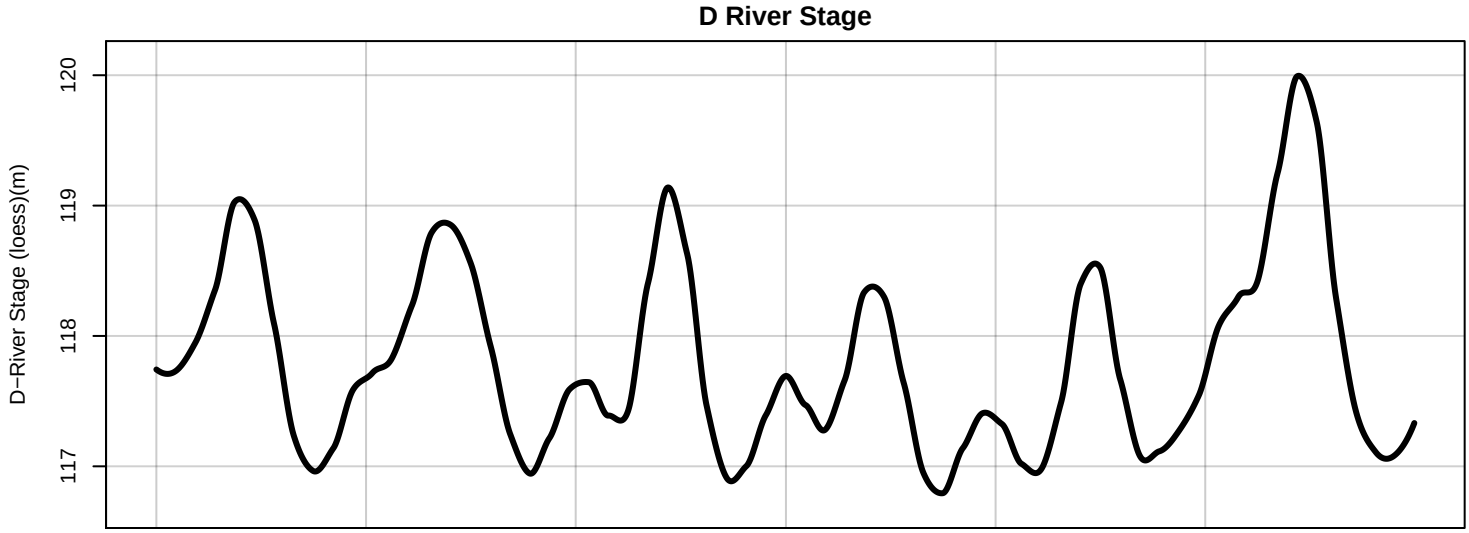


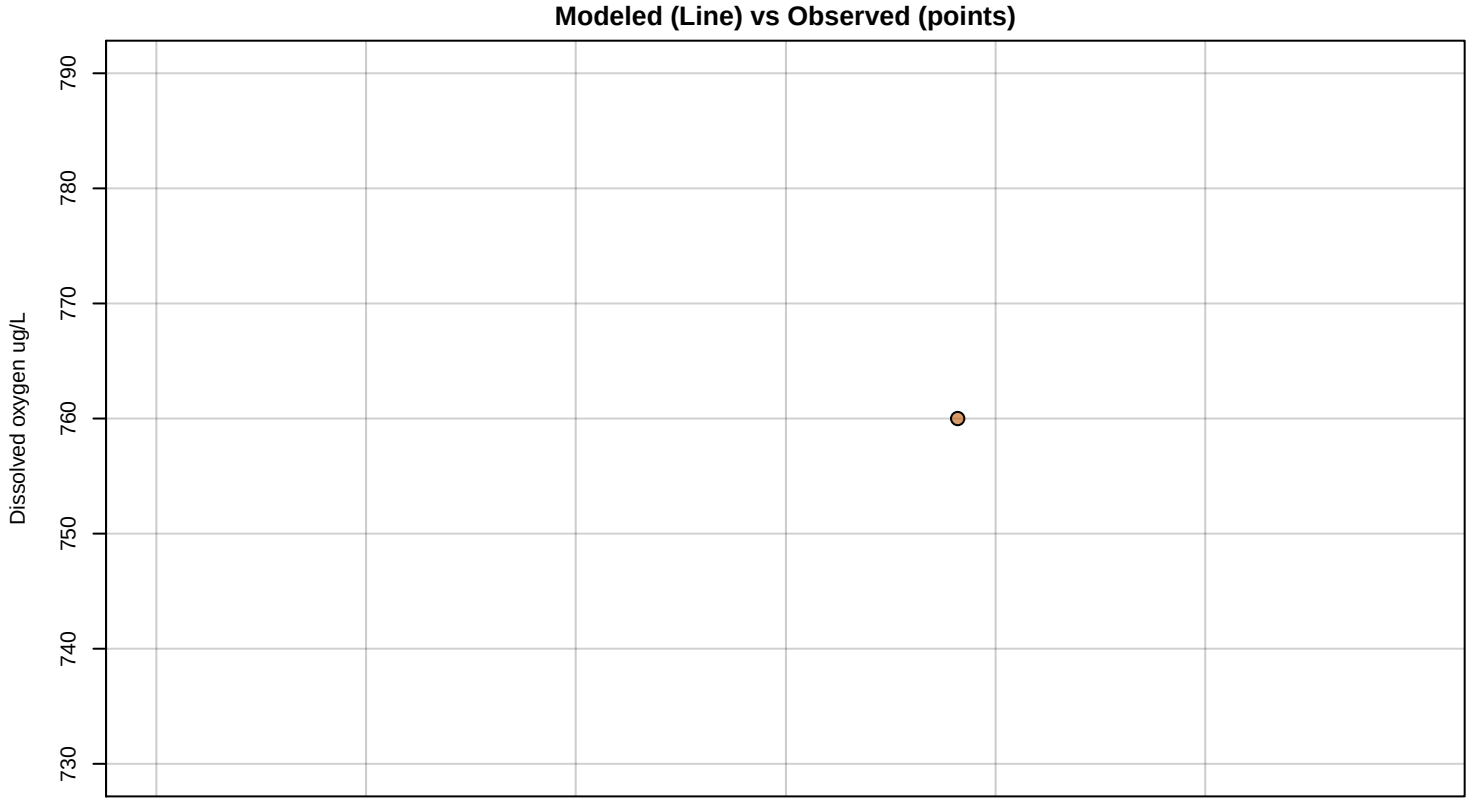


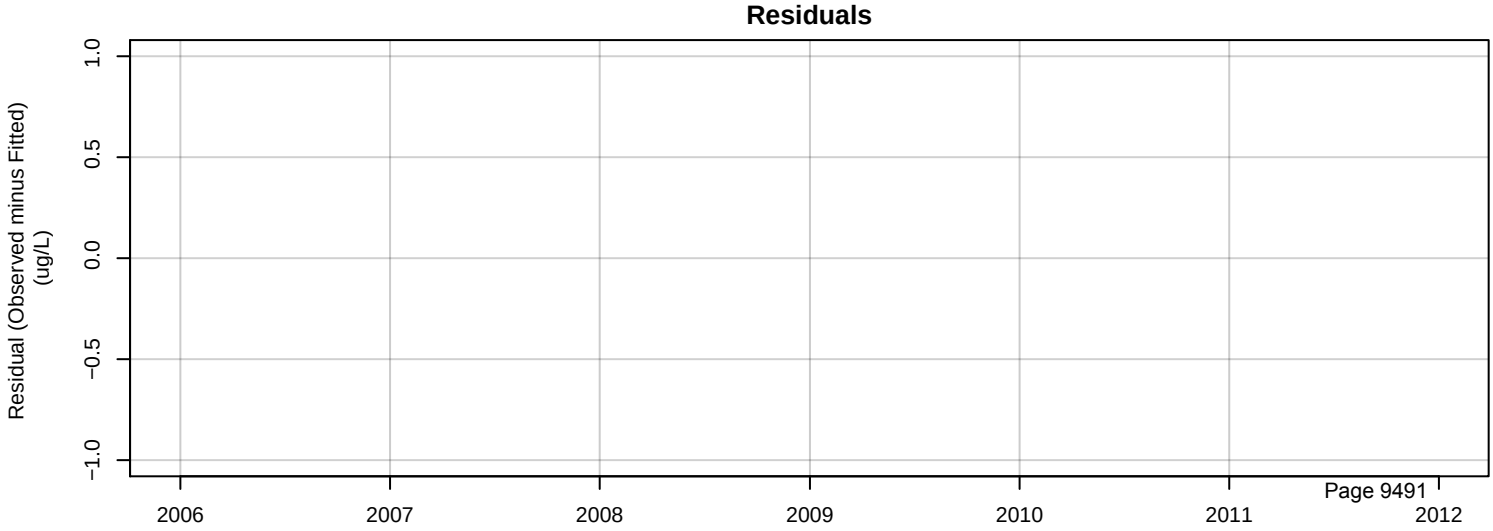


199−D4−93 (152m) Lag (20 Days)

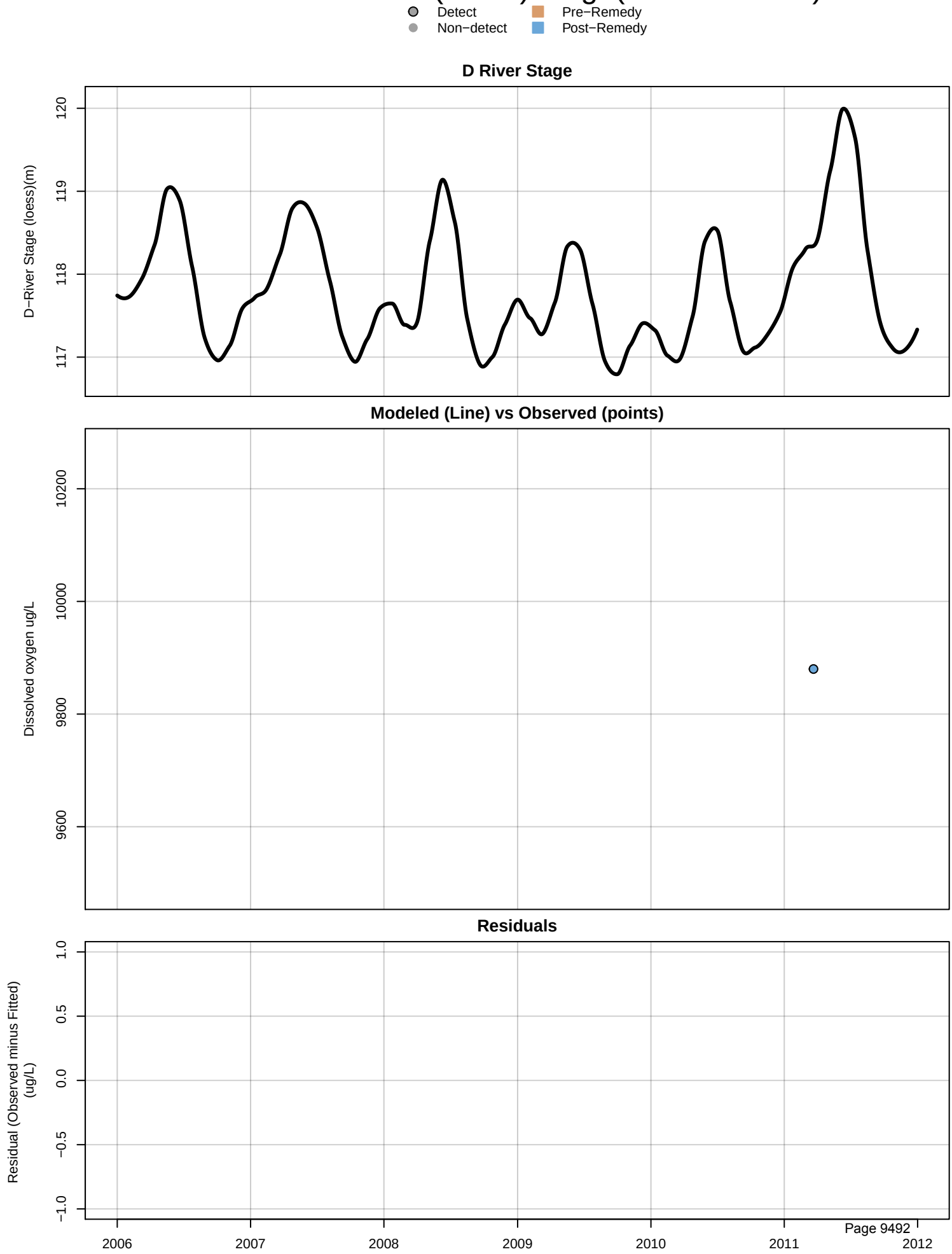
Detect
Non−detect
Pre−Remedy
Post−Remedy



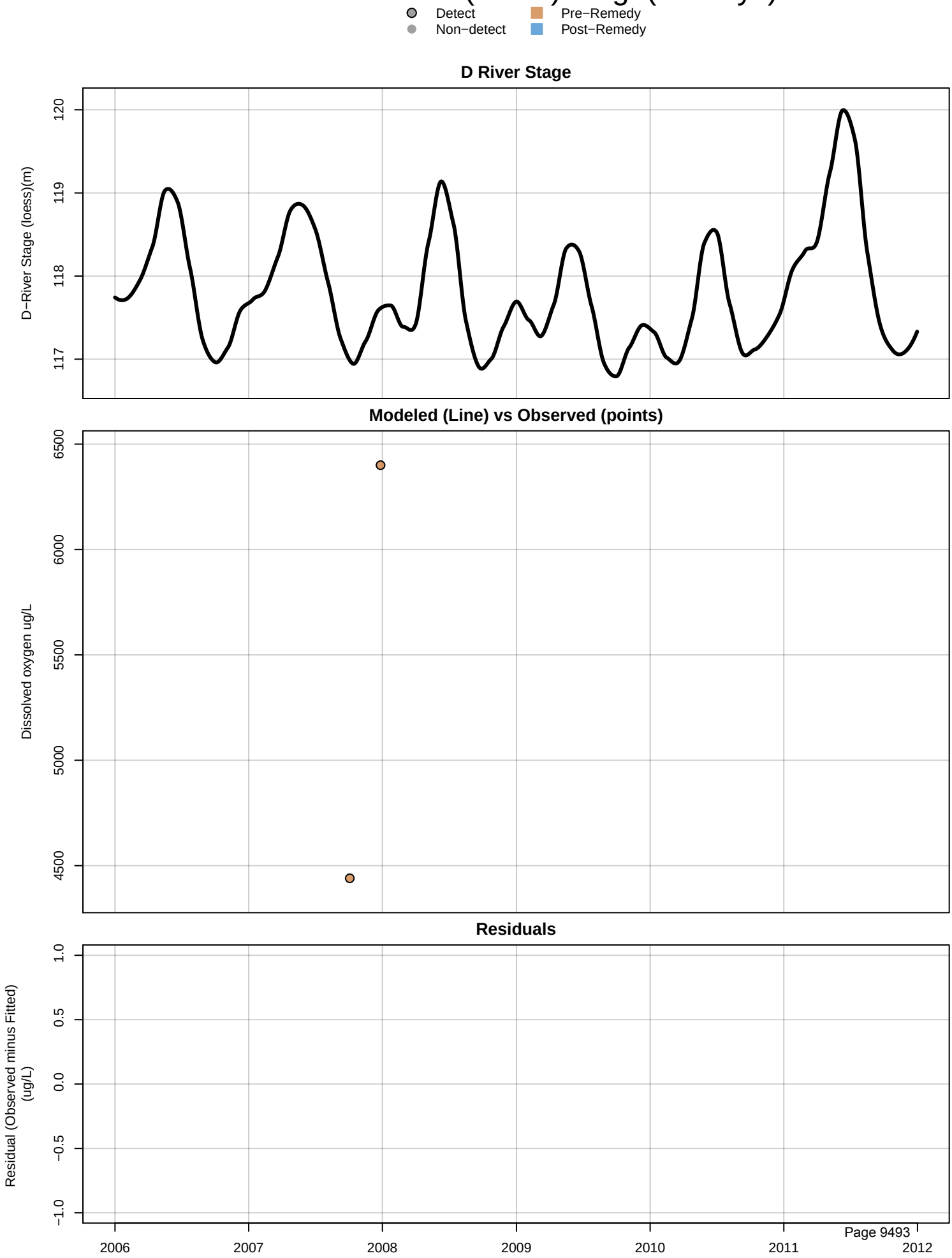




199−D5−101* (266m) Lag (Indeterminate)

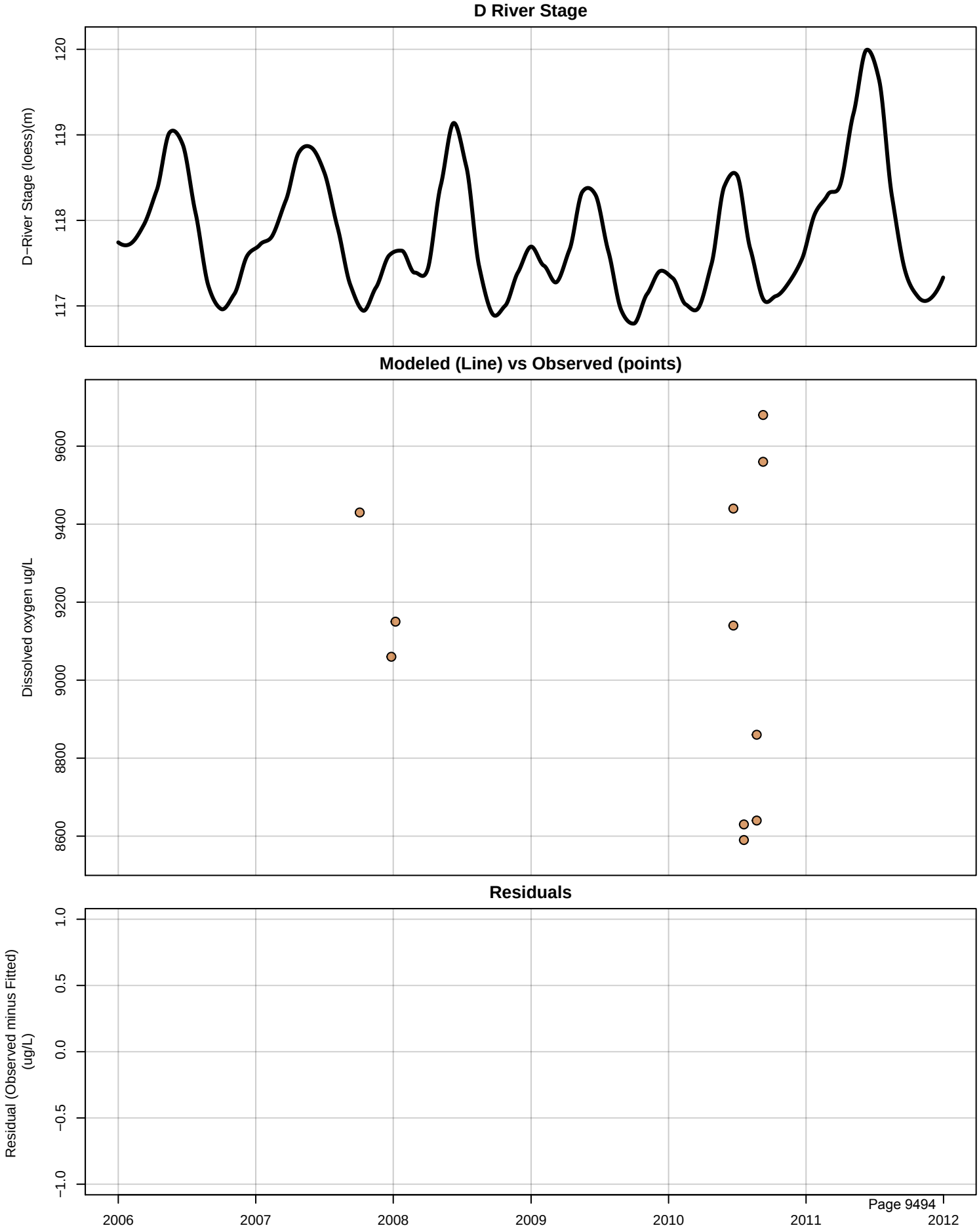


199−D5−102 (748m) Lag (72 Days)

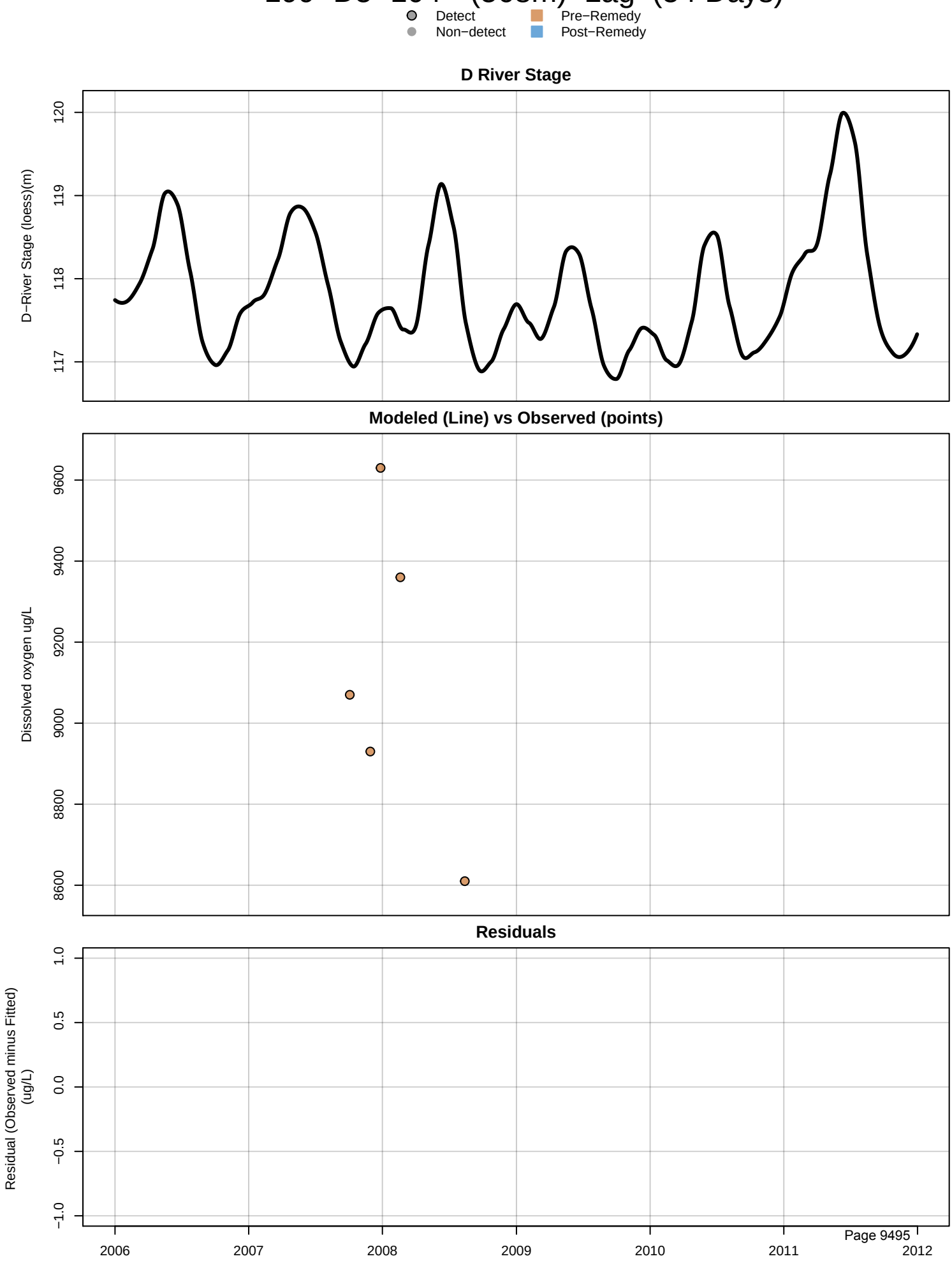


199−D5−103 (731m) Lag (77 Days)

Detect
Non−detect
Pre−Remedy
Post−Remedy

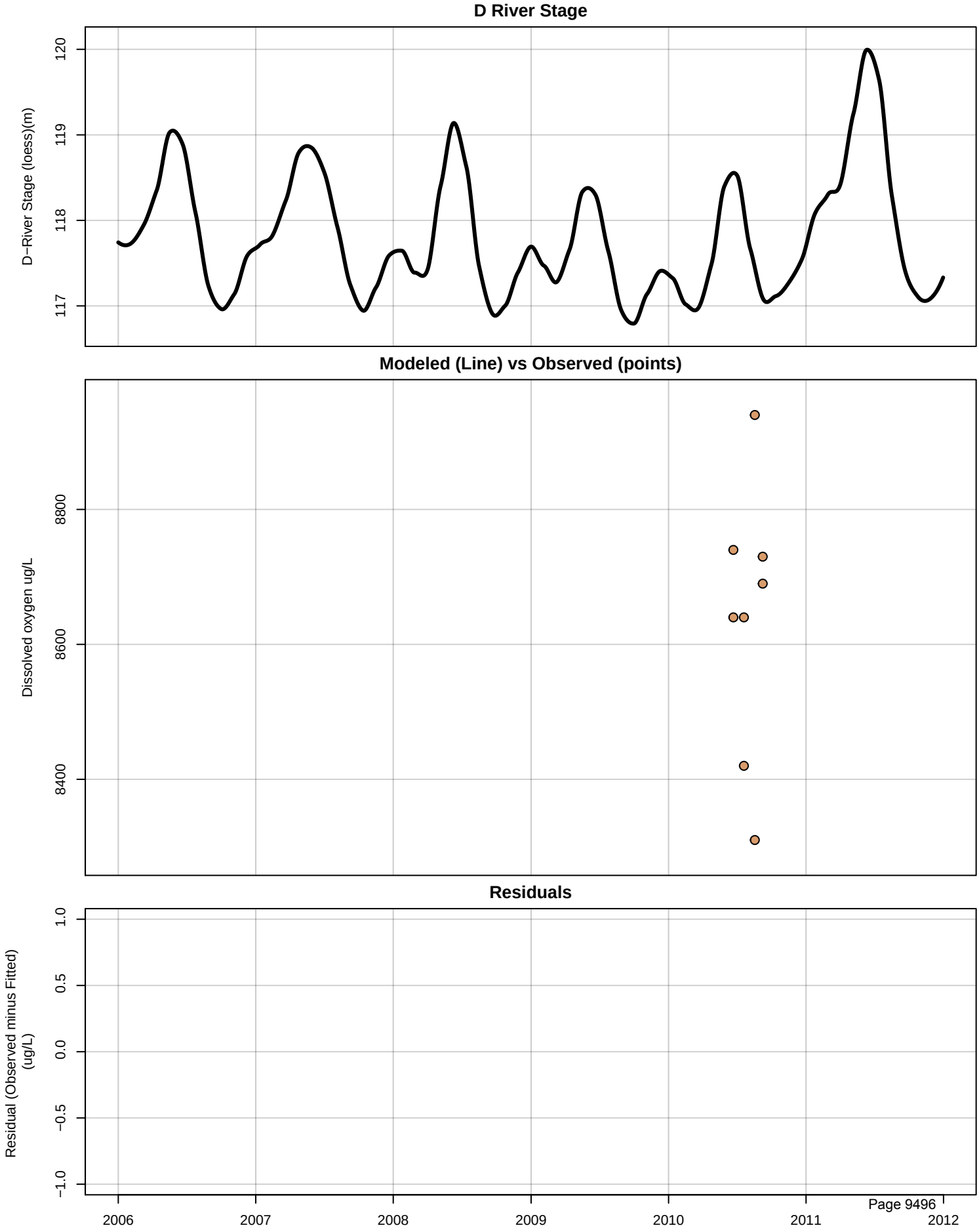


199−D5−104* (568m) Lag (54 Days)

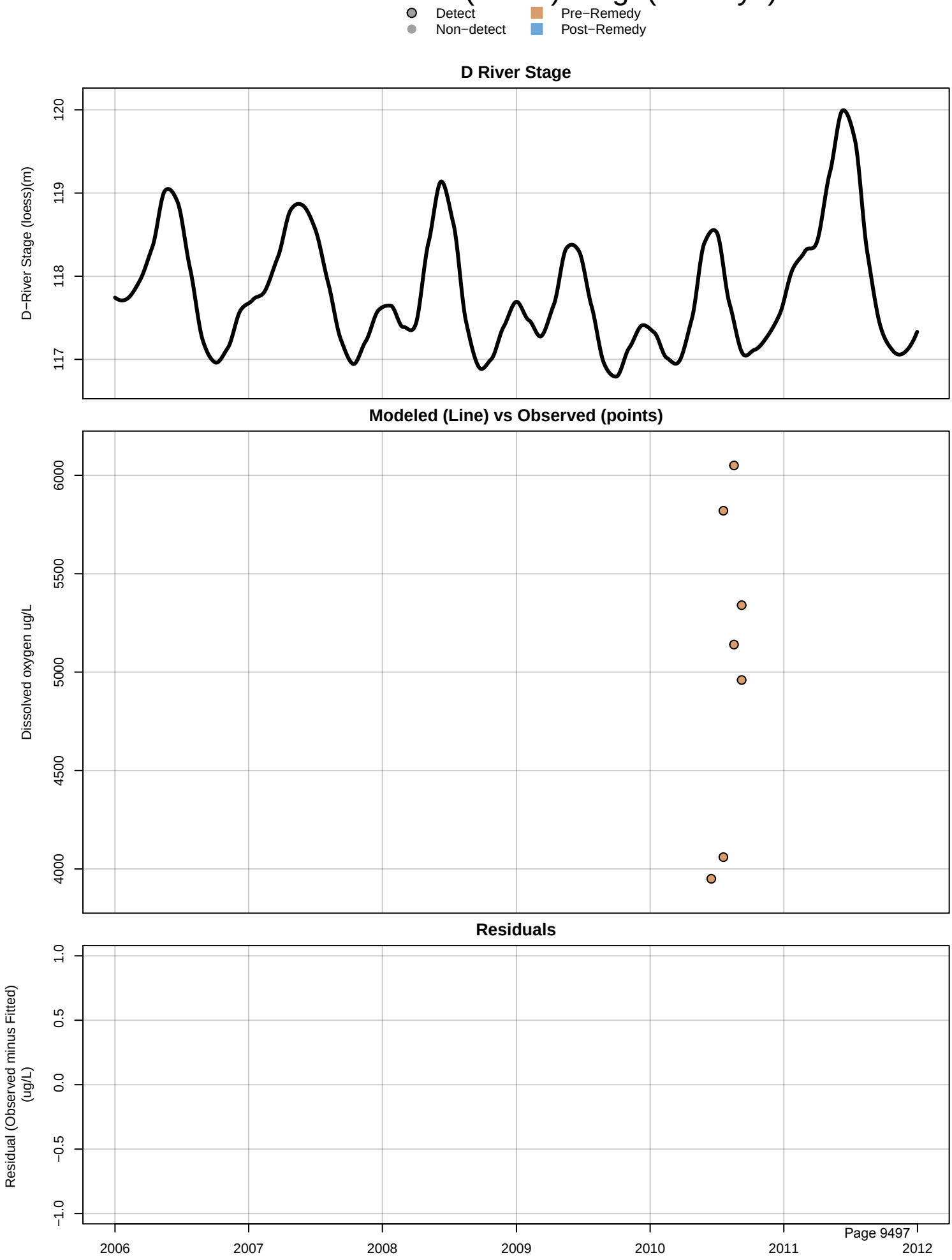


199−D5−120 (667m) Lag (75 Days)

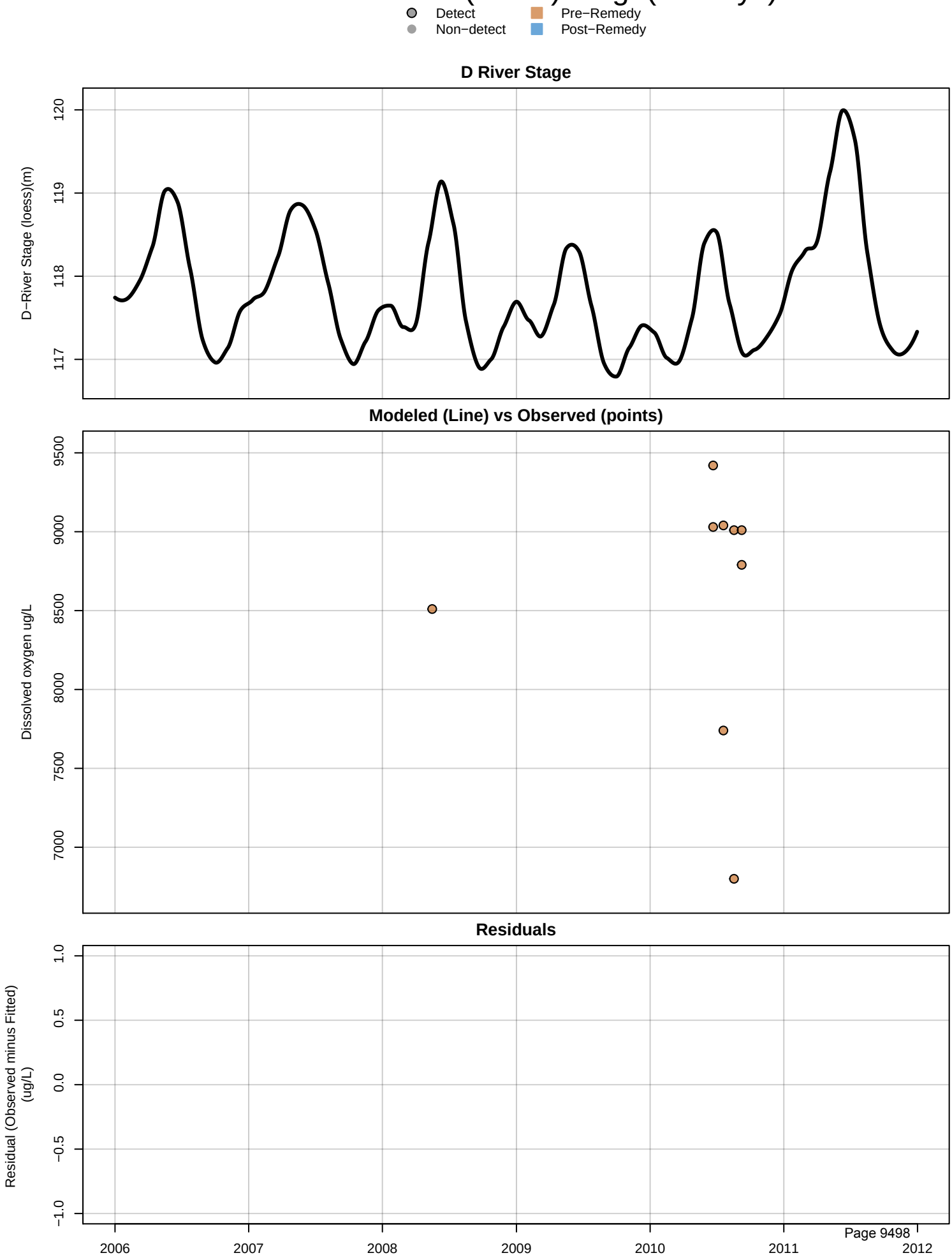
Detect
Non−detect
Pre−Remedy
Post−Remedy



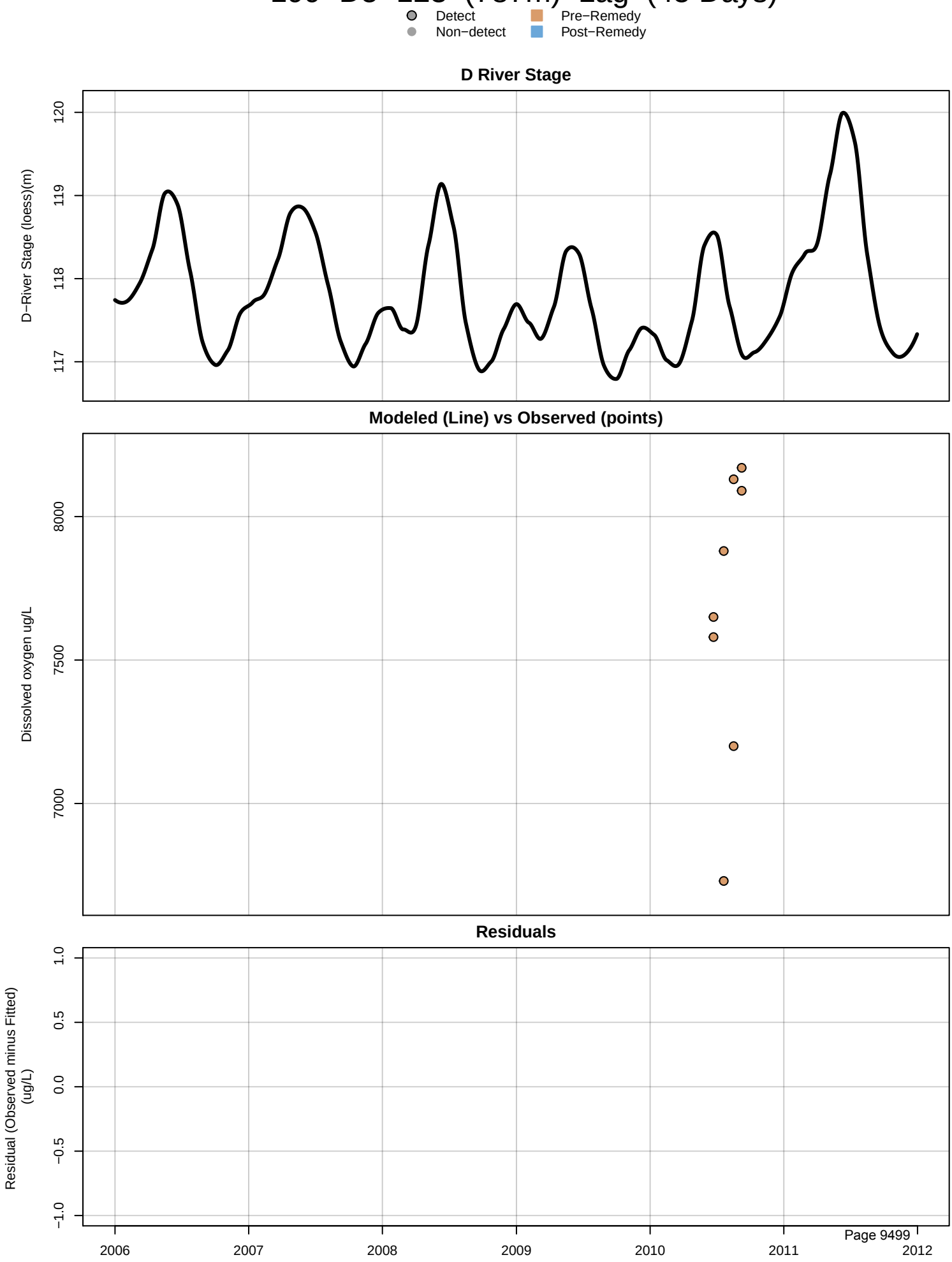
199−D5−121 (711m) Lag (66 Days)



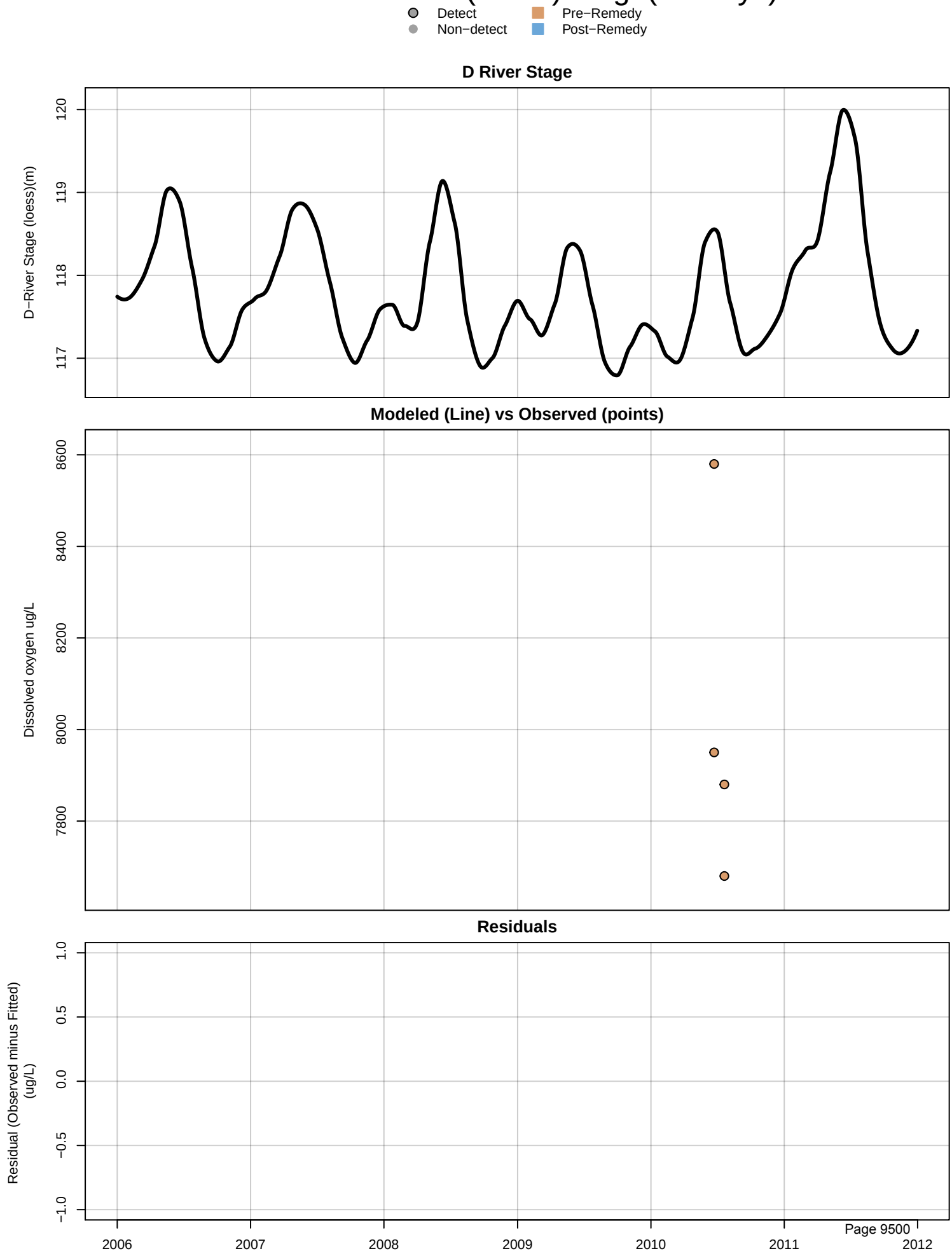
199−D5−122 (640m) Lag (65 Days)



199−D5−123 (787m) Lag (45 Days)

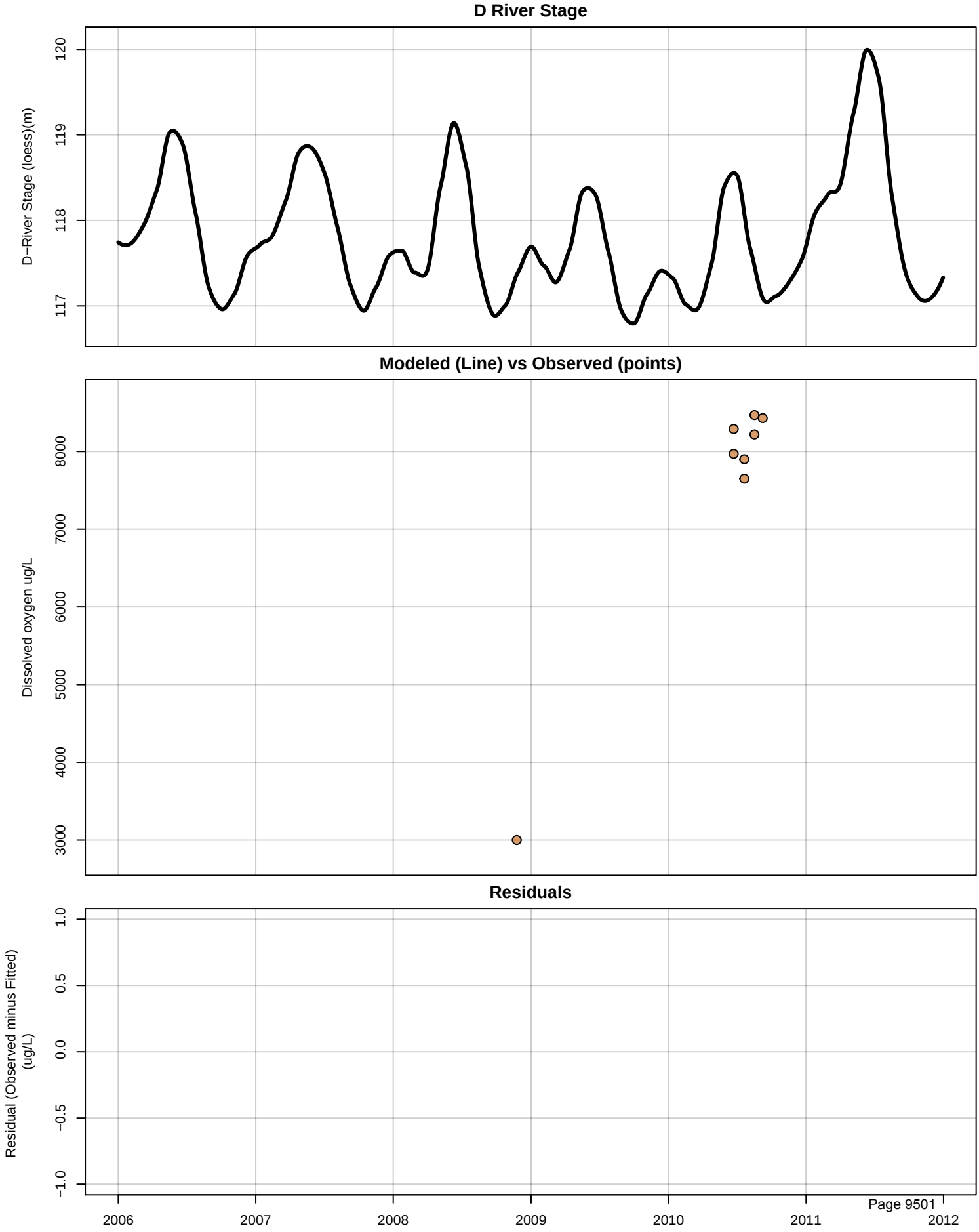


199−D5−125 (618m) Lag (46 Days)



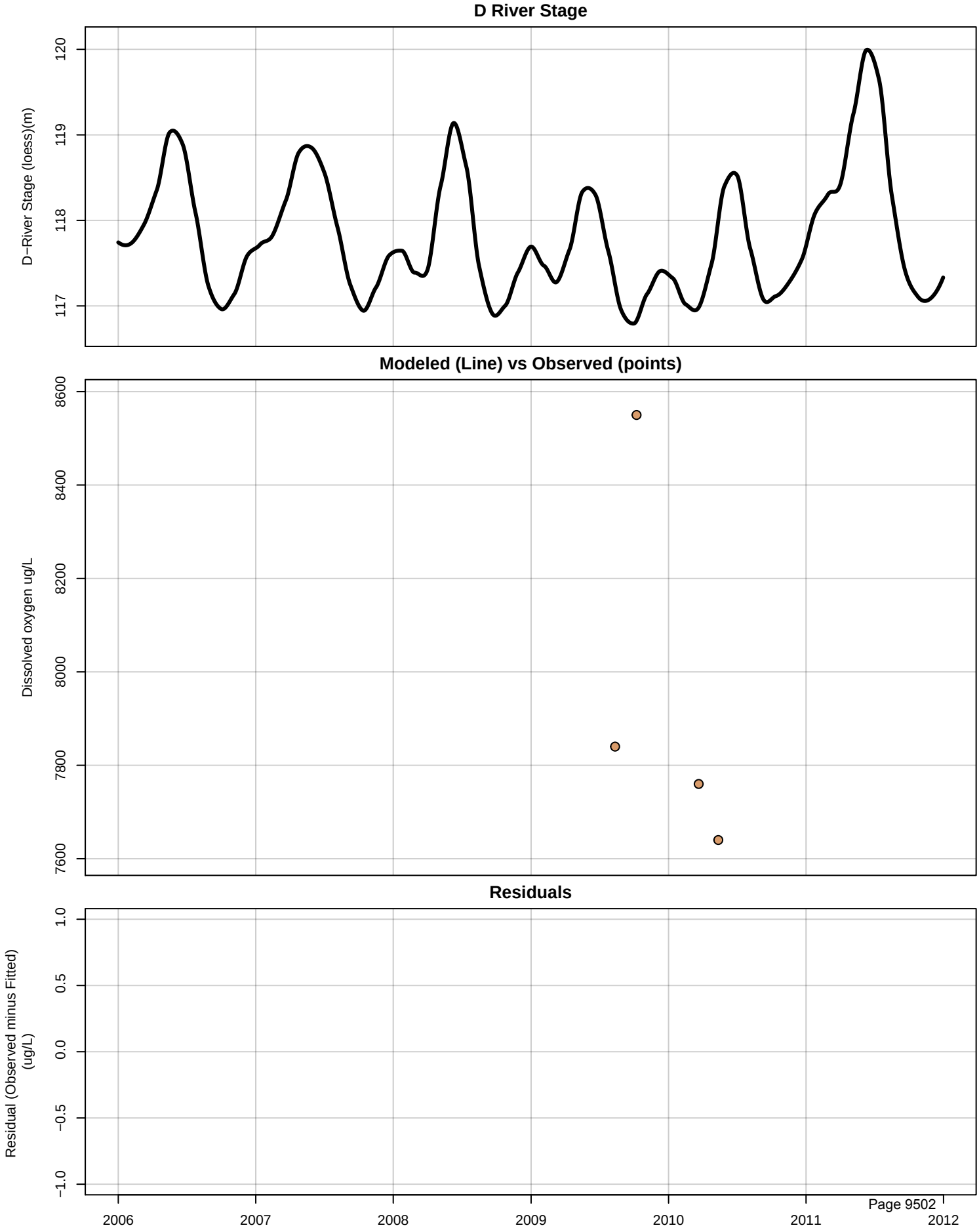
199−D5−126 (551m) Lag (70 Days)

Detect
Non−detect
Pre−Remedy
Post−Remedy



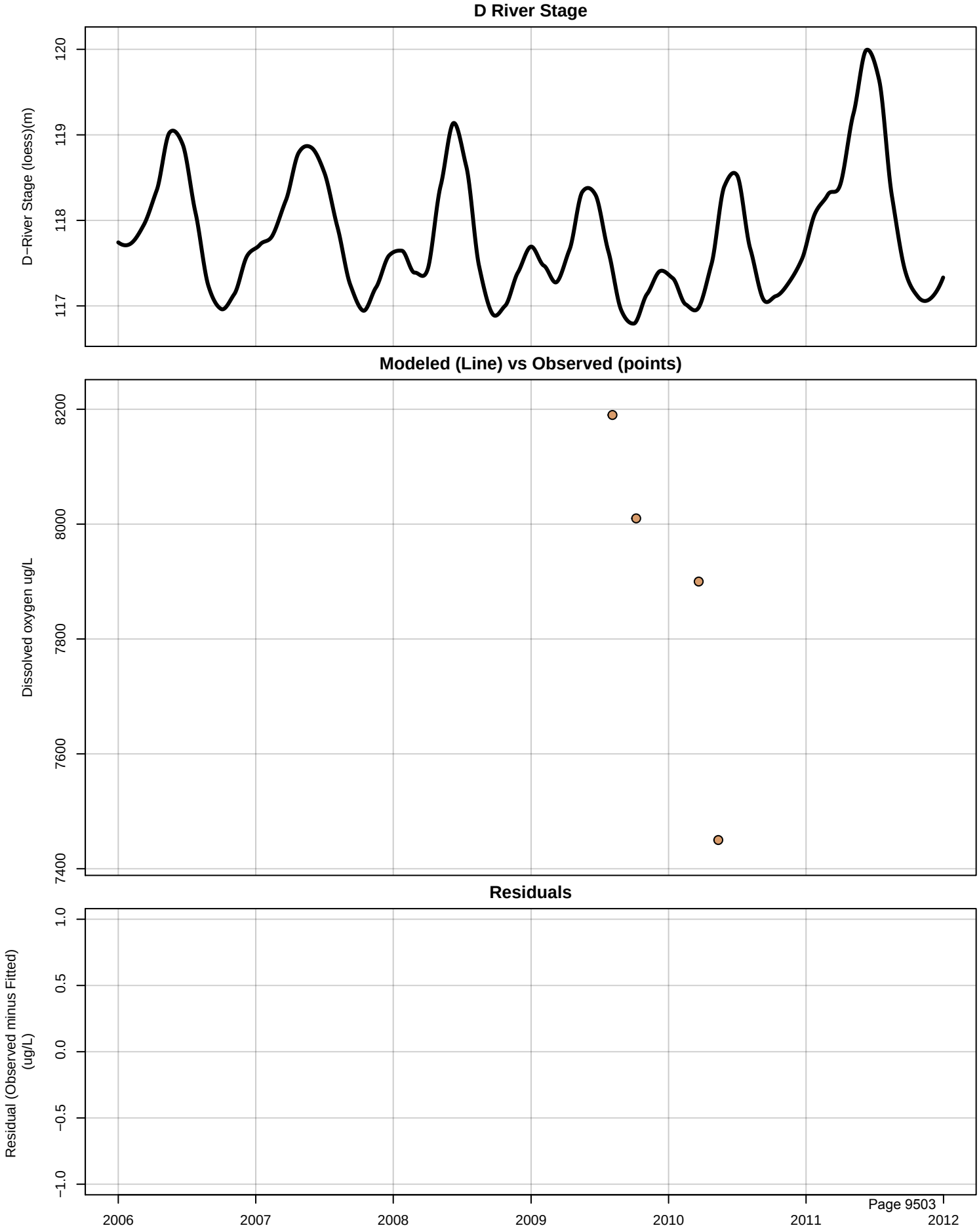
199−D5−13 (371m) Lag (38 Days)

Detect
Non−detect
Pre−Remedy
Post−Remedy

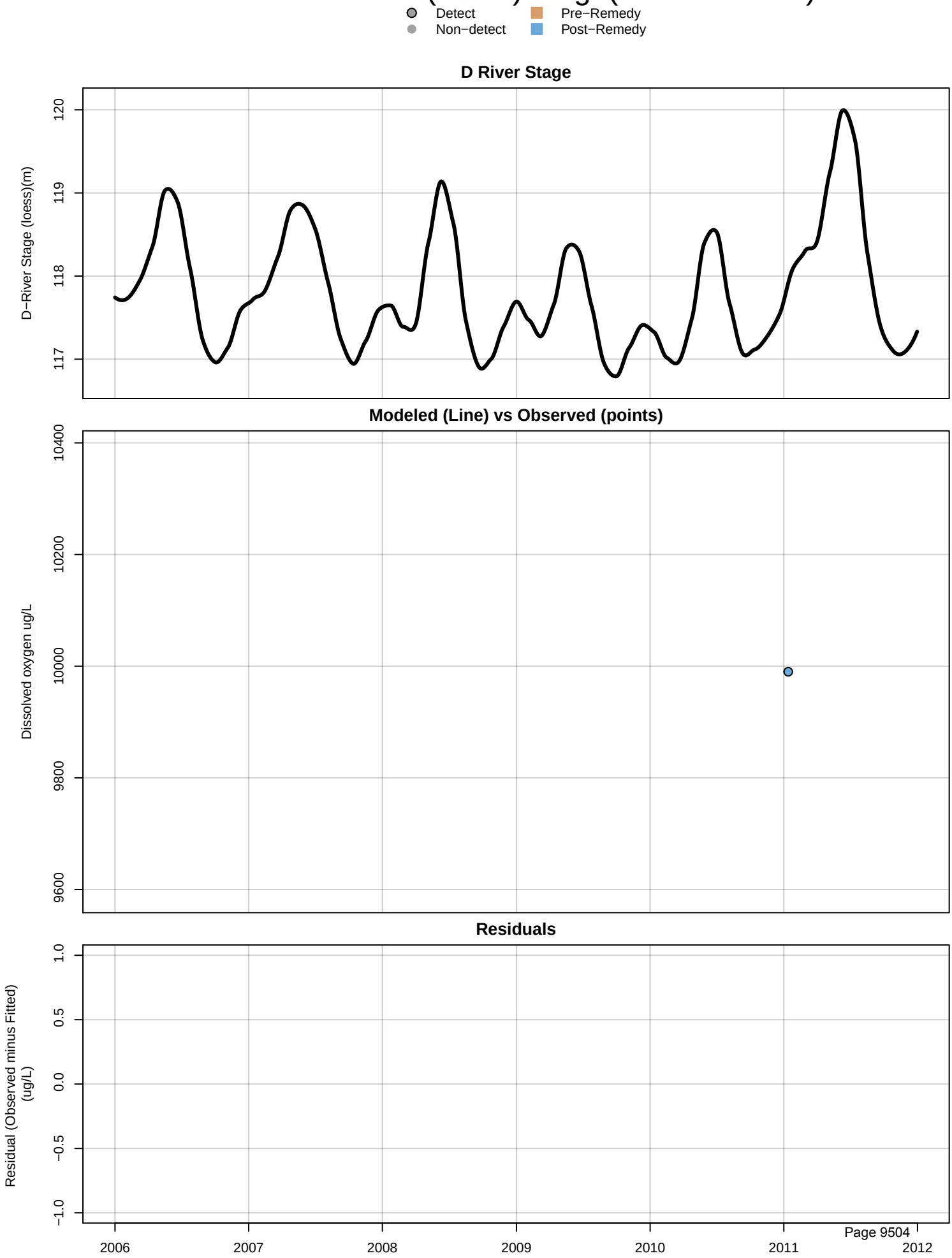


199−D5−14 (642m) Lag (50 Days)

Detect
Non−detect
Pre−Remedy
Post−Remedy

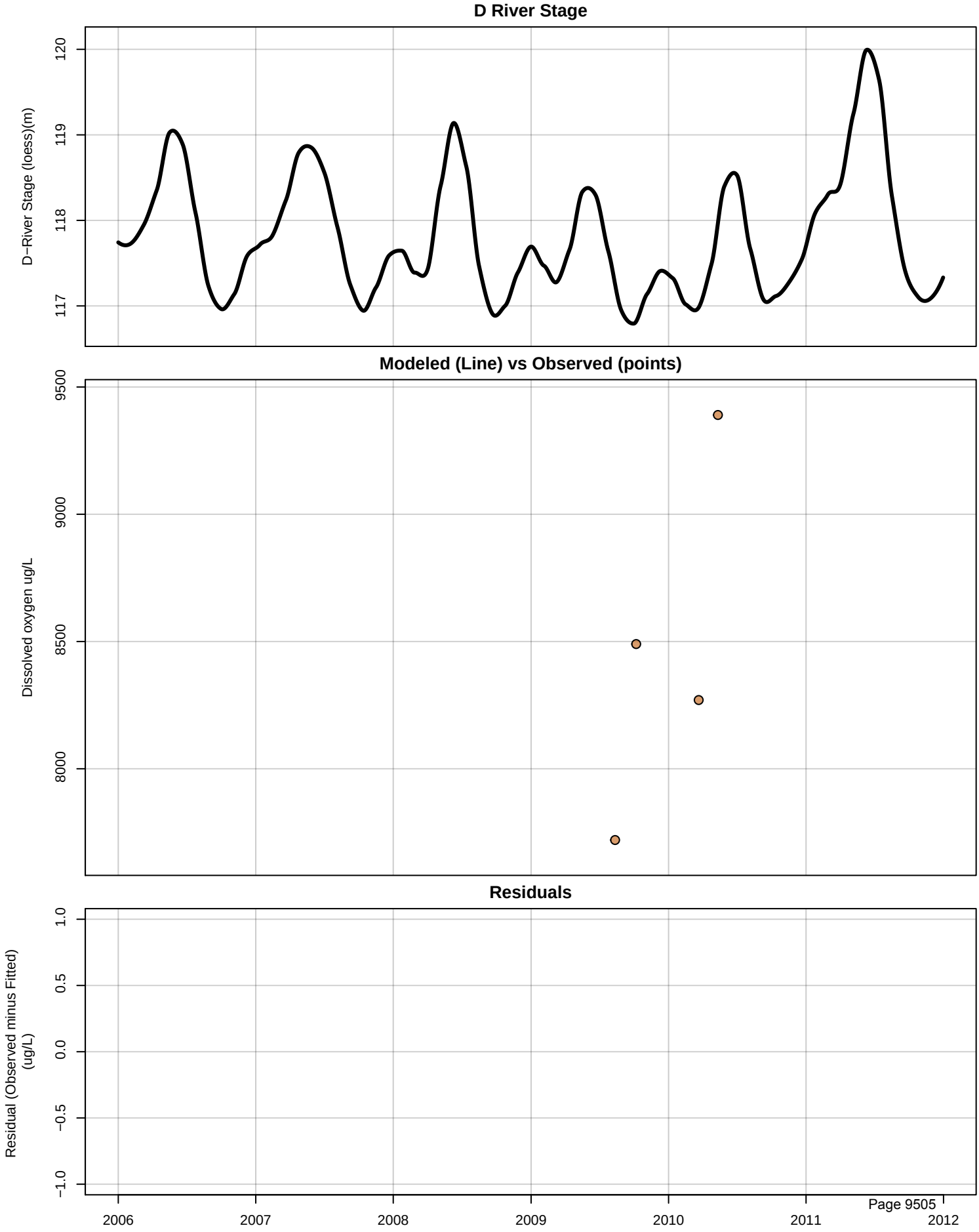


199−D5−140 (630m) Lag (Indeterminate)



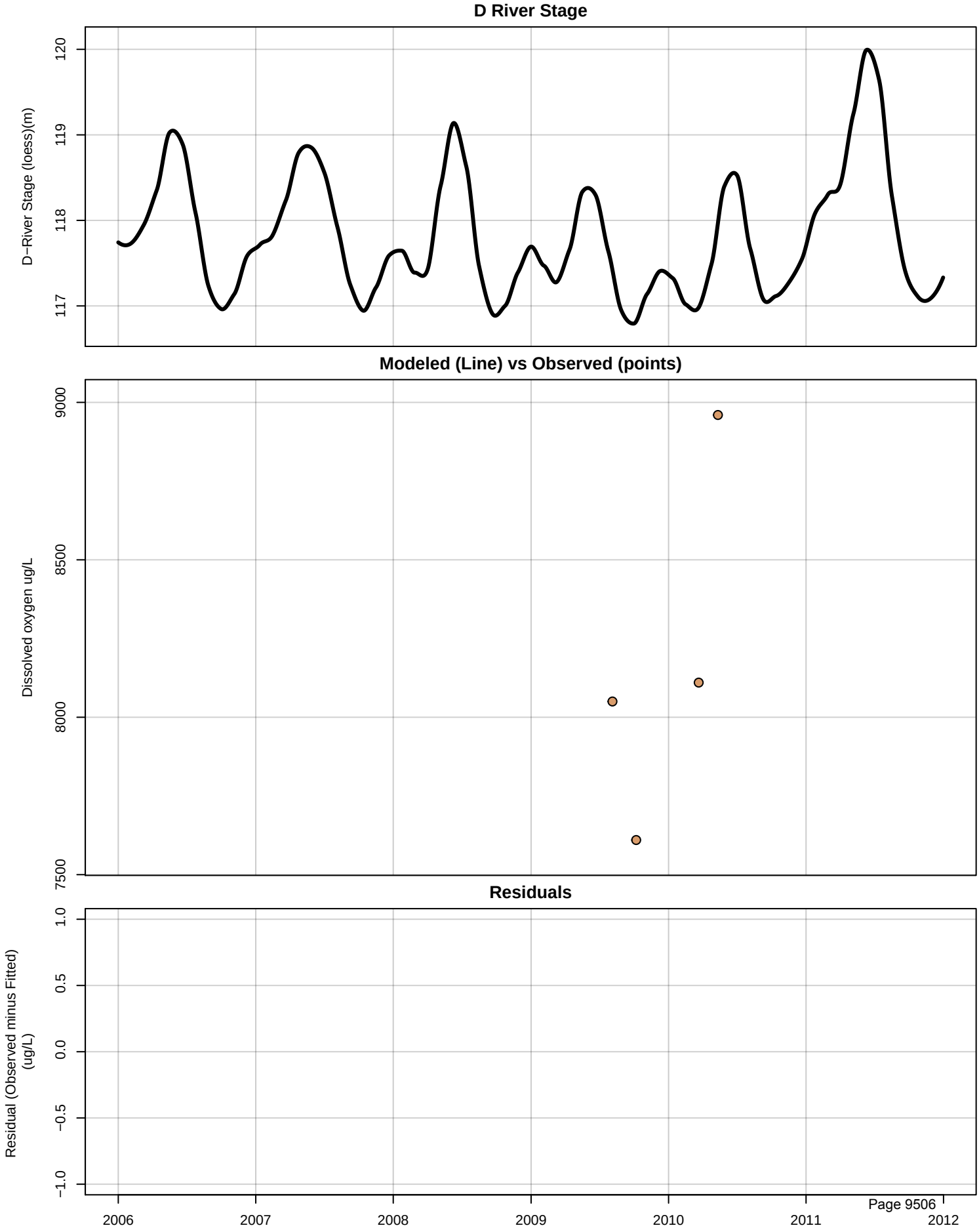
199−D5−15 (716m) Lag (53 Days)

Detect
Non−detect
Pre−Remedy
Post−Remedy



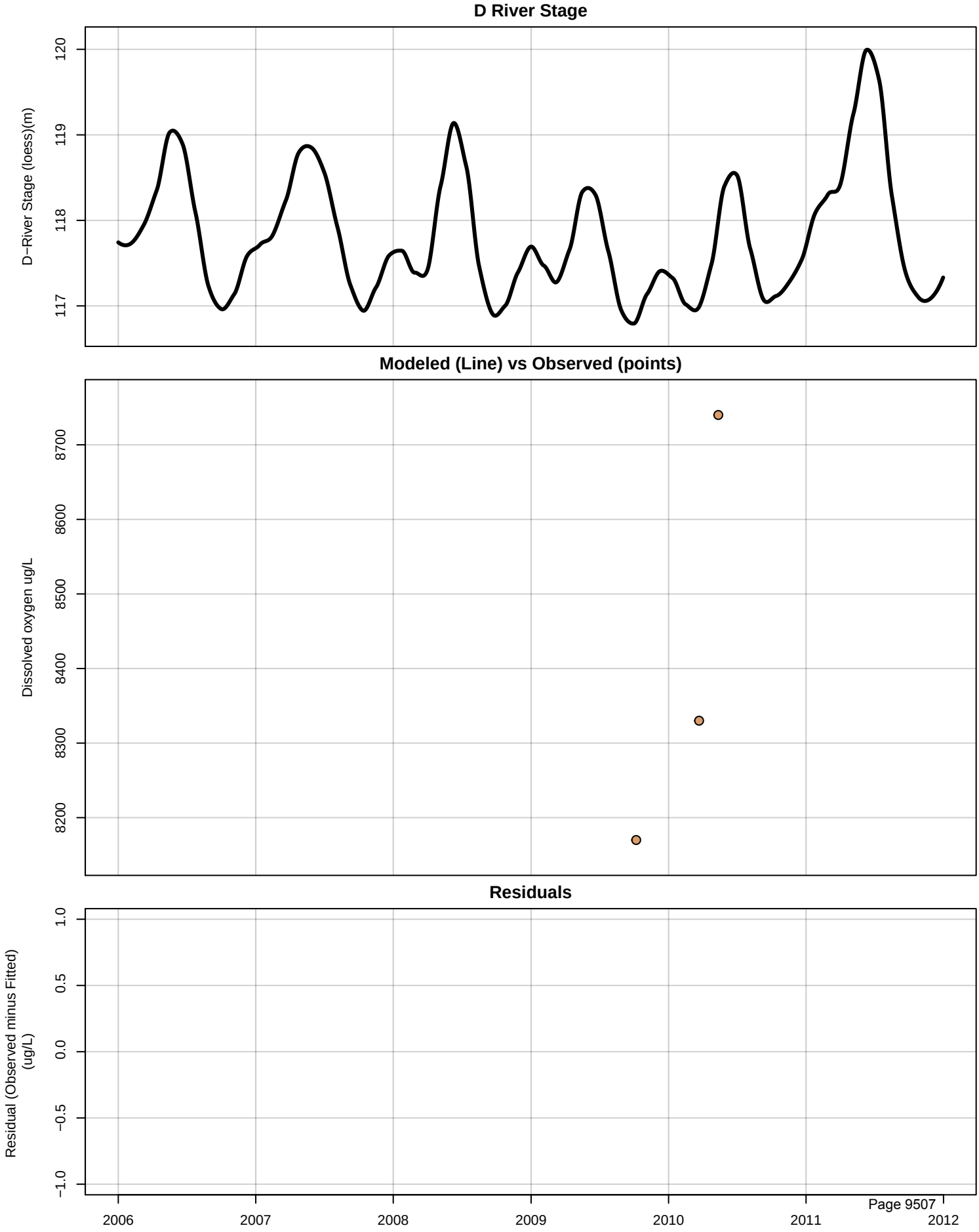
199−D5−16 (826m) Lag (49 Days)

Detect
Non−detect
Pre−Remedy
Post−Remedy

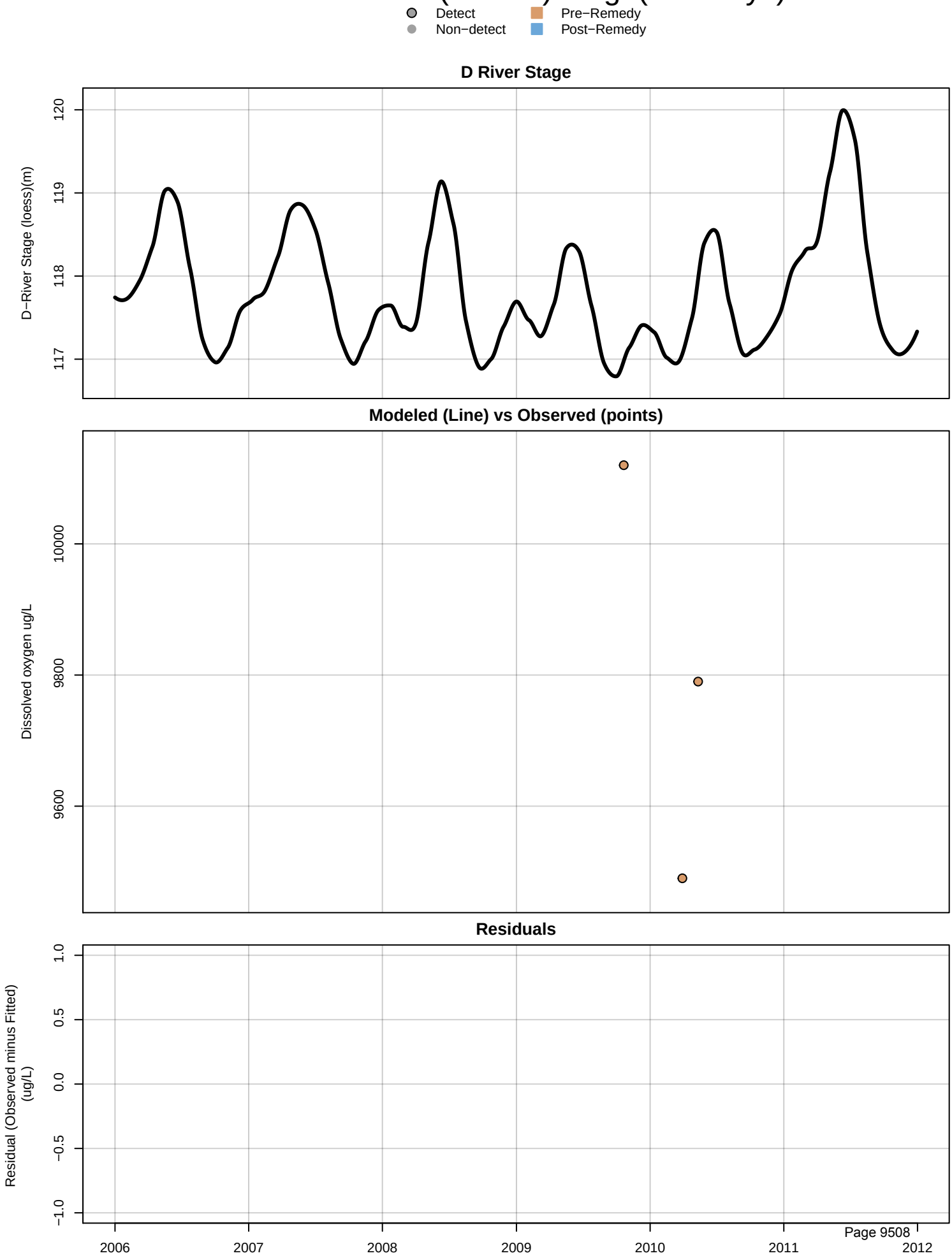


199−D5−17 (995m) Lag (122 Days)

Detect
Non−detect
Pre−Remedy
Post−Remedy

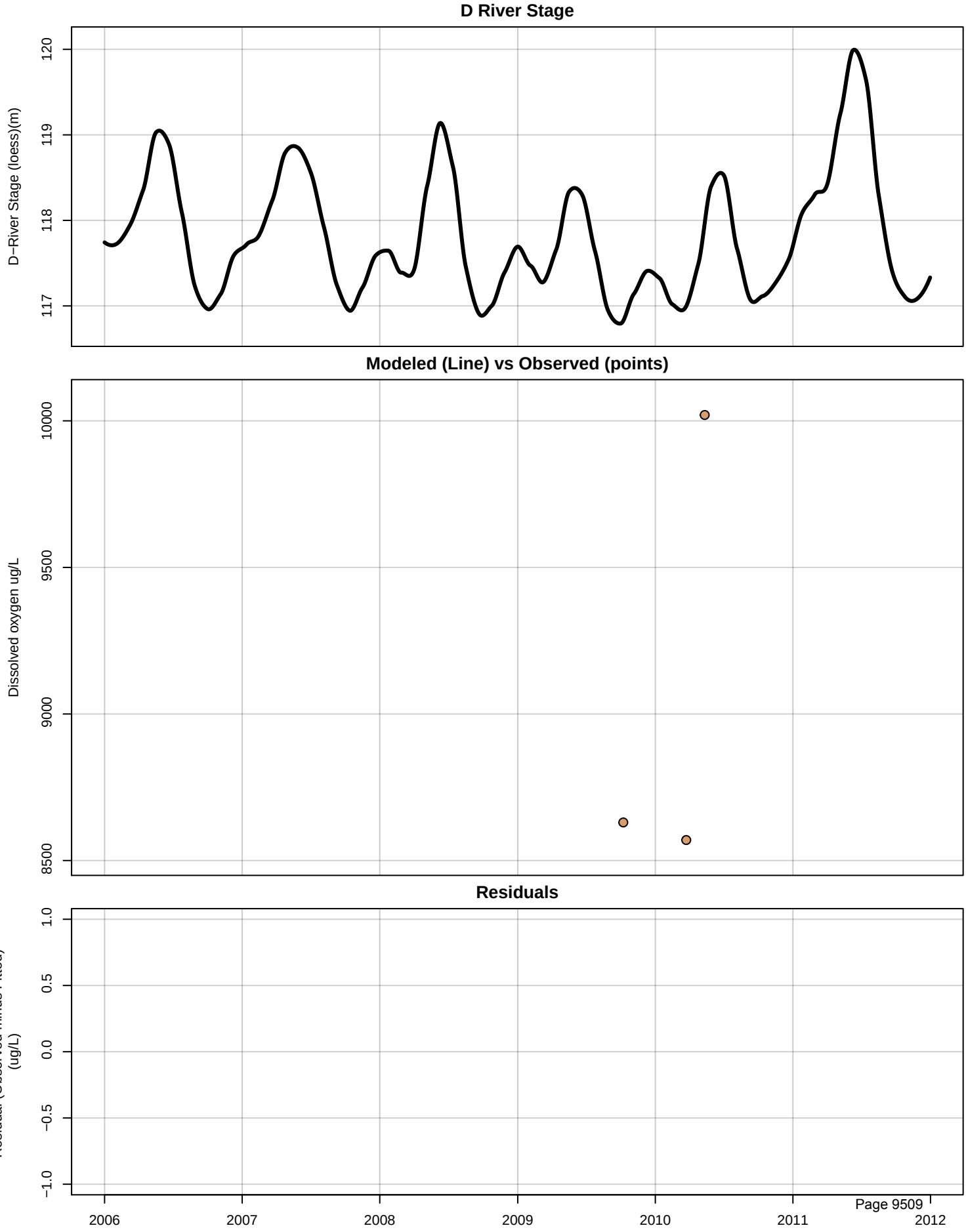


199−D5−18 (1080m) Lag (139 Days)



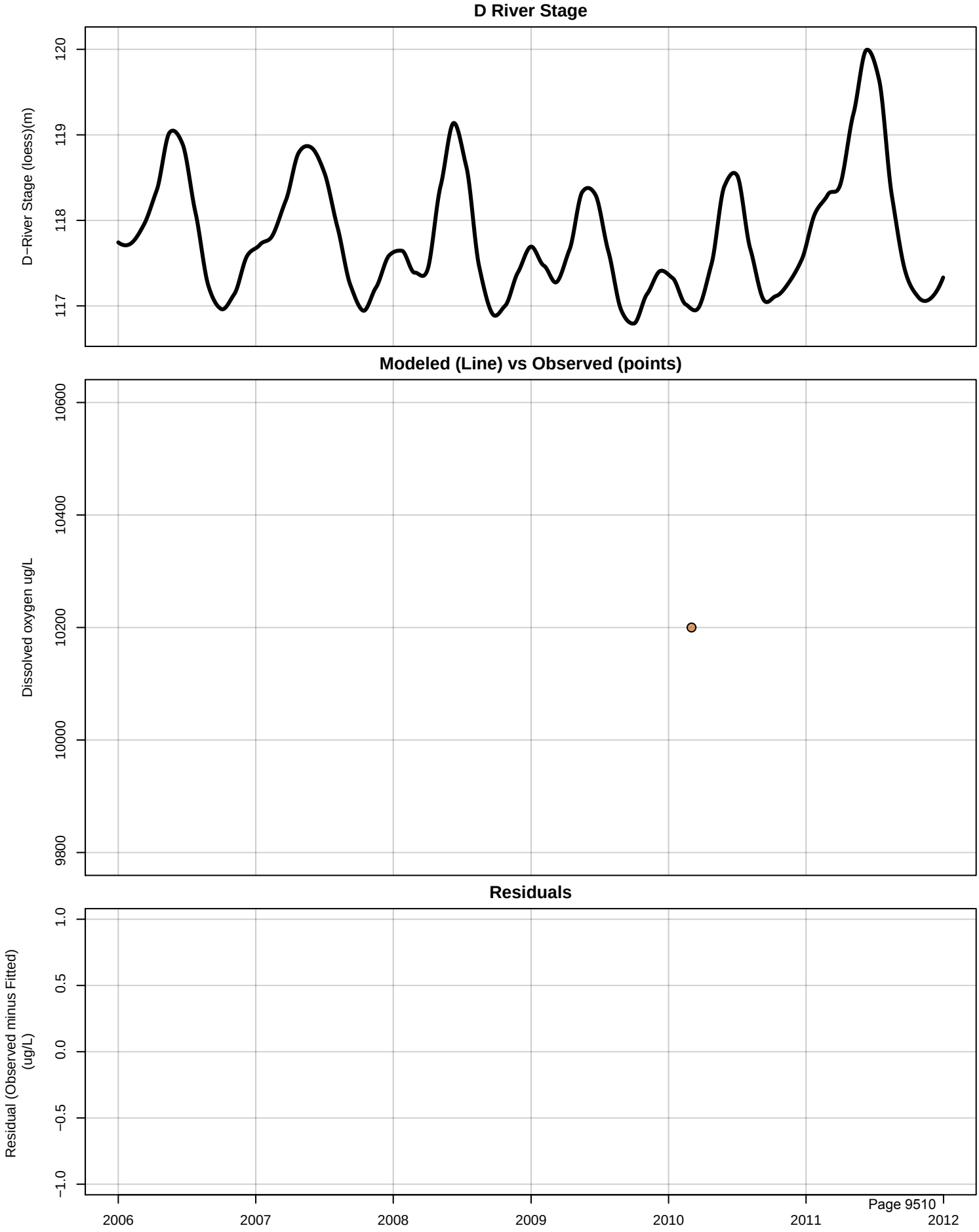
199−D5−19 (1138m) Lag (118 Days)

Detect
Non−detect
Pre−Remedy
Post−Remedy



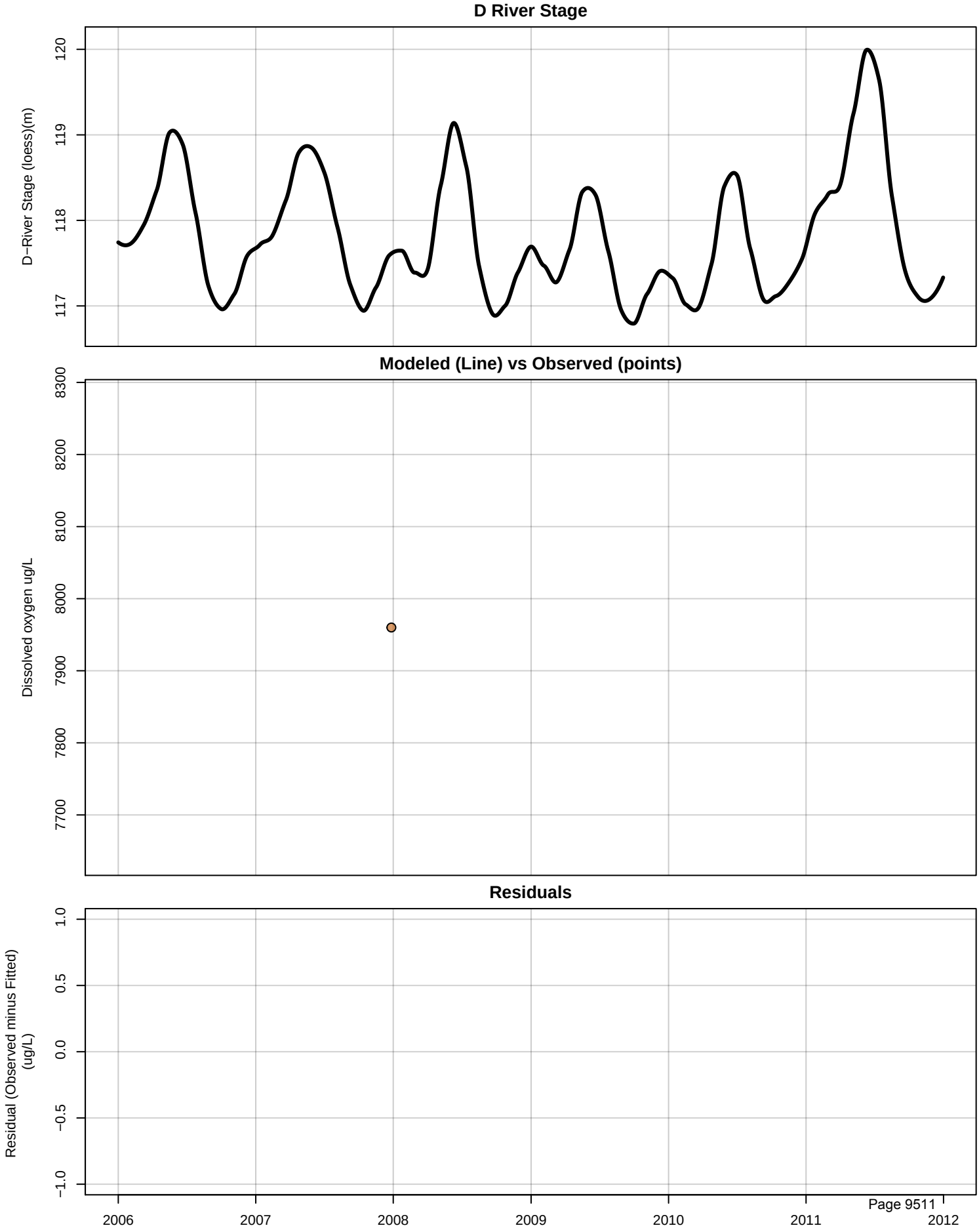
199−D5−33 (251m) Lag (34 Days)

Detect
Non−detect
Pre−Remedy
Post−Remedy



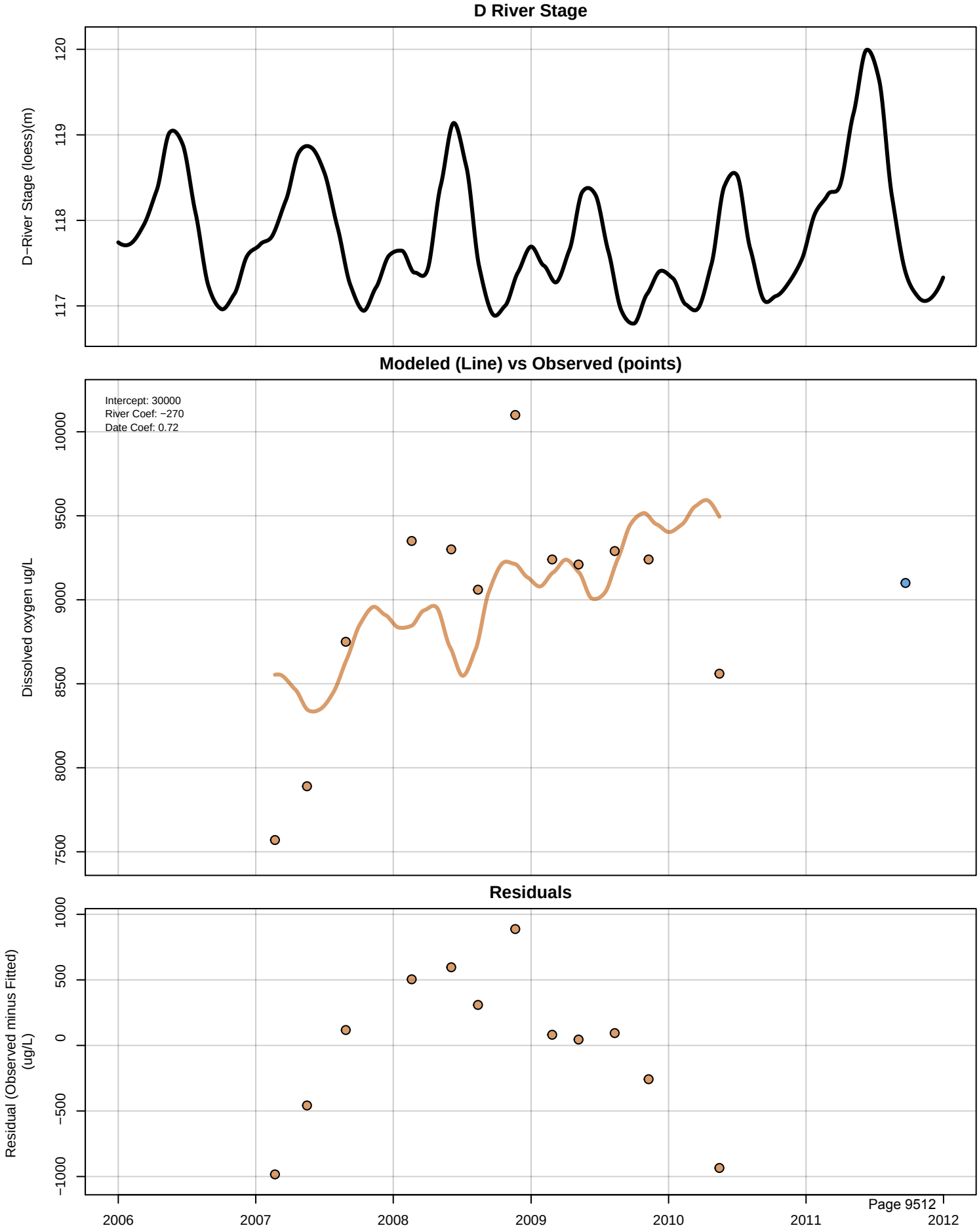
199−D5−34 (466m) Lag (52 Days)

Detect
Non−detect
Pre−Remedy
Post−Remedy

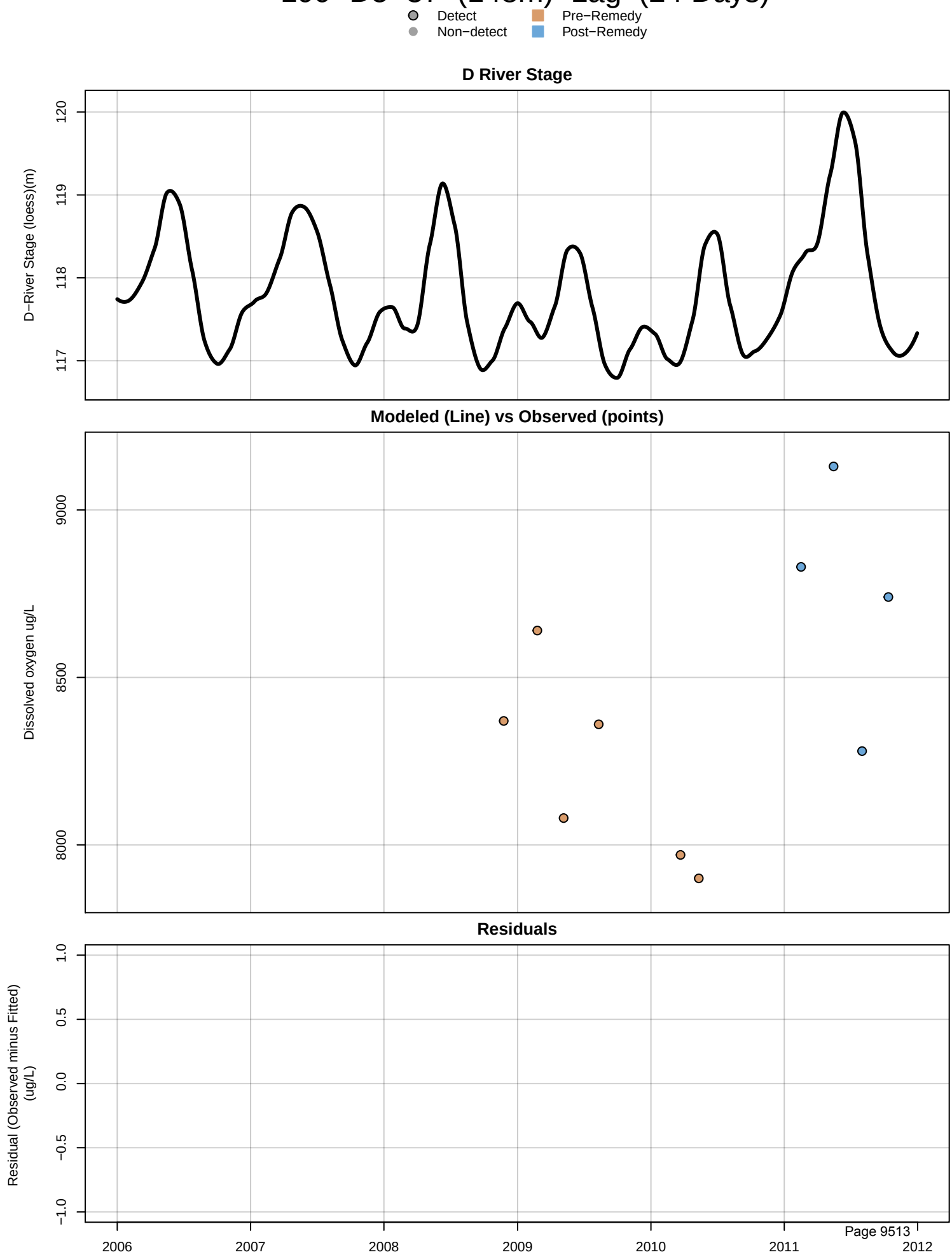


199−D5−36 (103m) Lag (25 Days)

Detect
Non−detect
Pre−Remedy
Post−Remedy

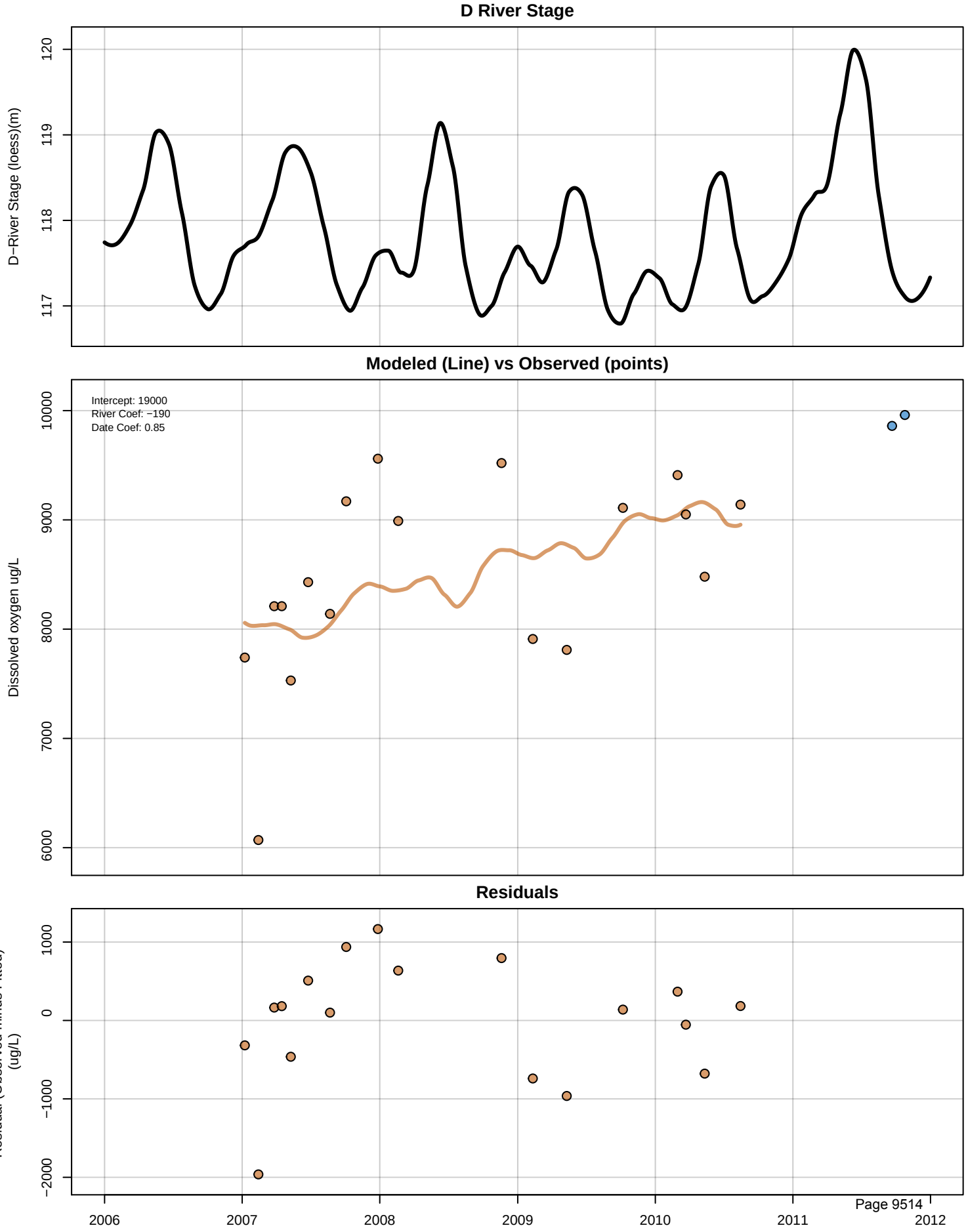


199−D5−37 (148m) Lag (24 Days)

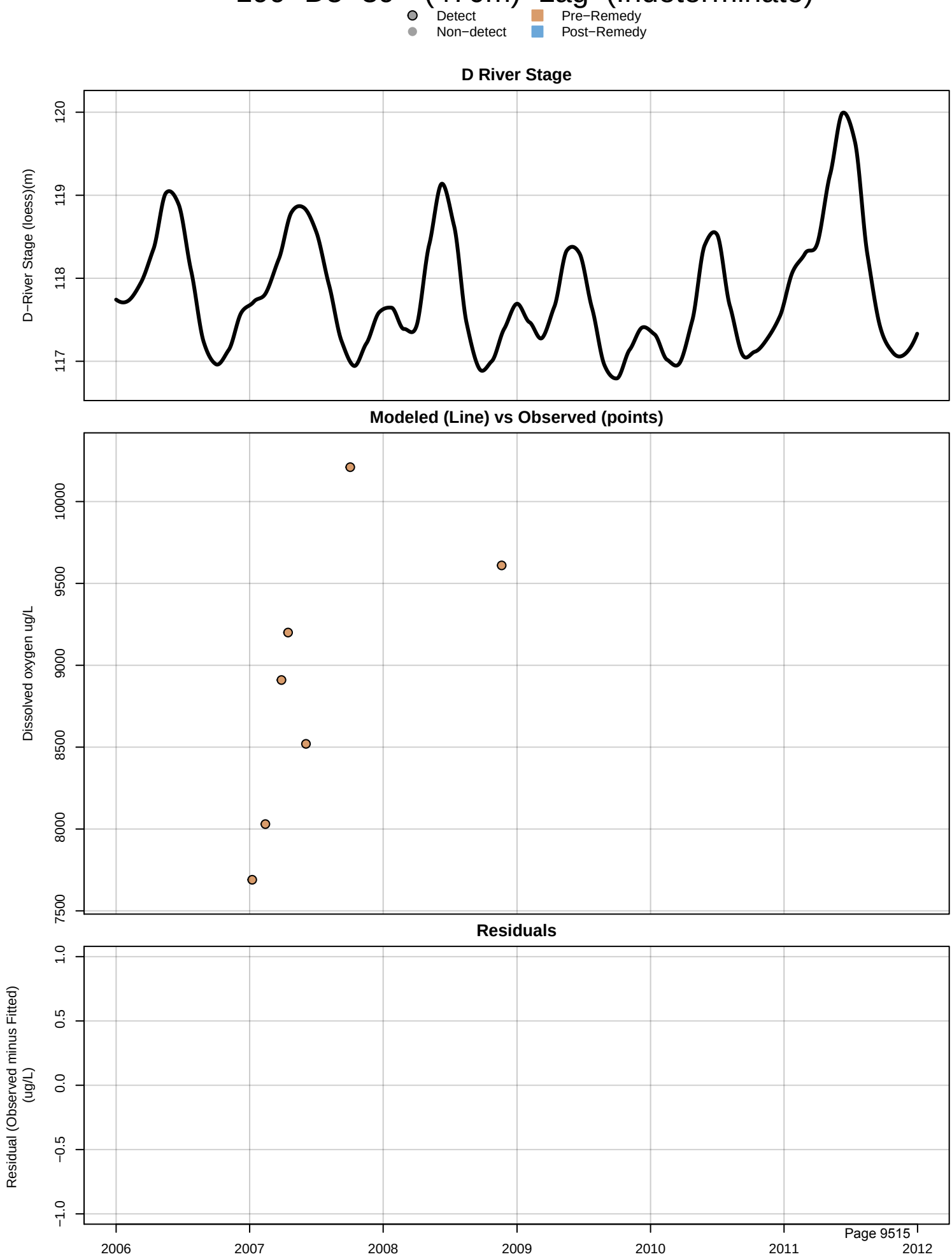


199−D5−38 (285m) Lag (46 Days)

Detect
Non−detect
Pre−Remedy
Post−Remedy

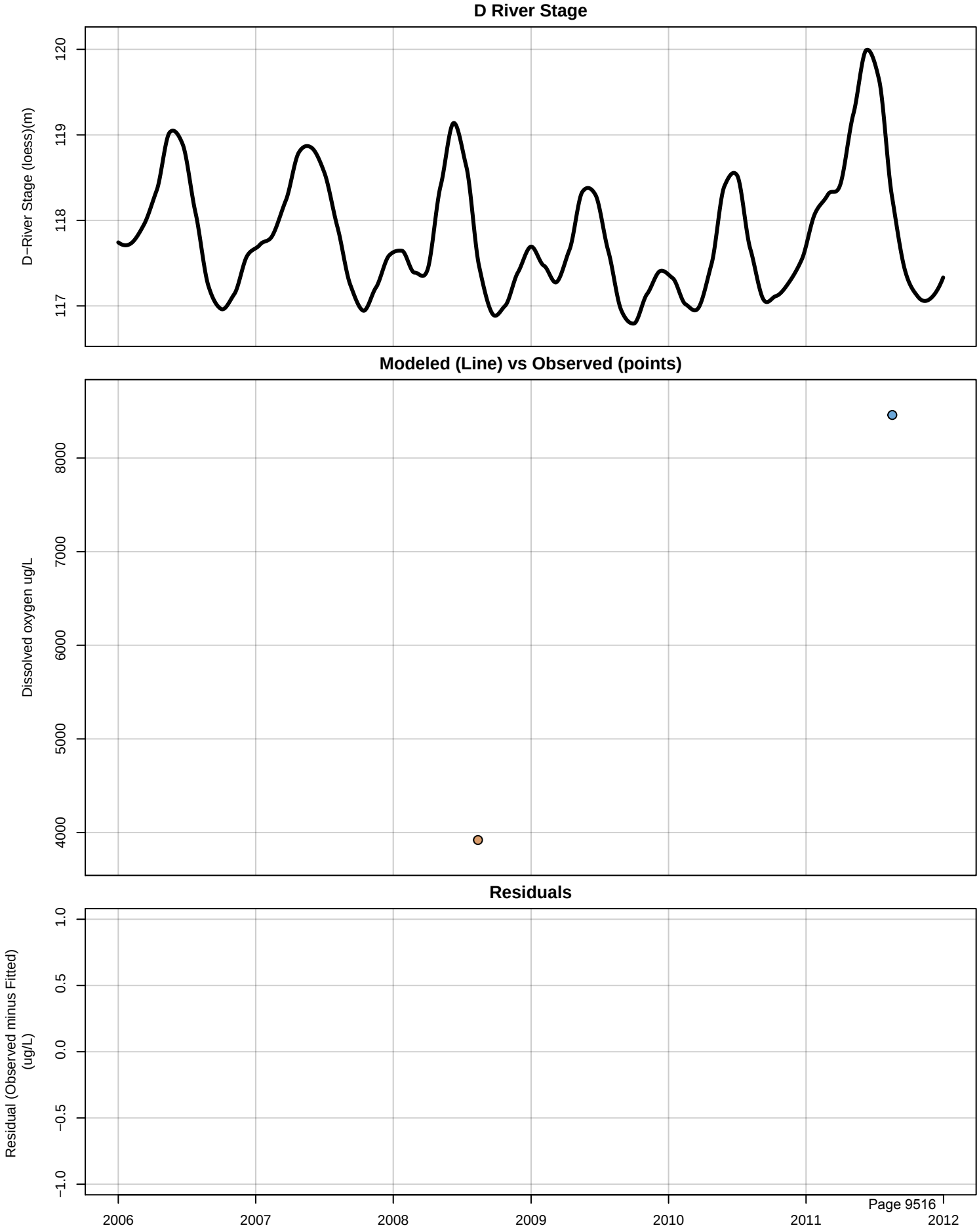


199−D5−39* (470m) Lag (Indeterminate)

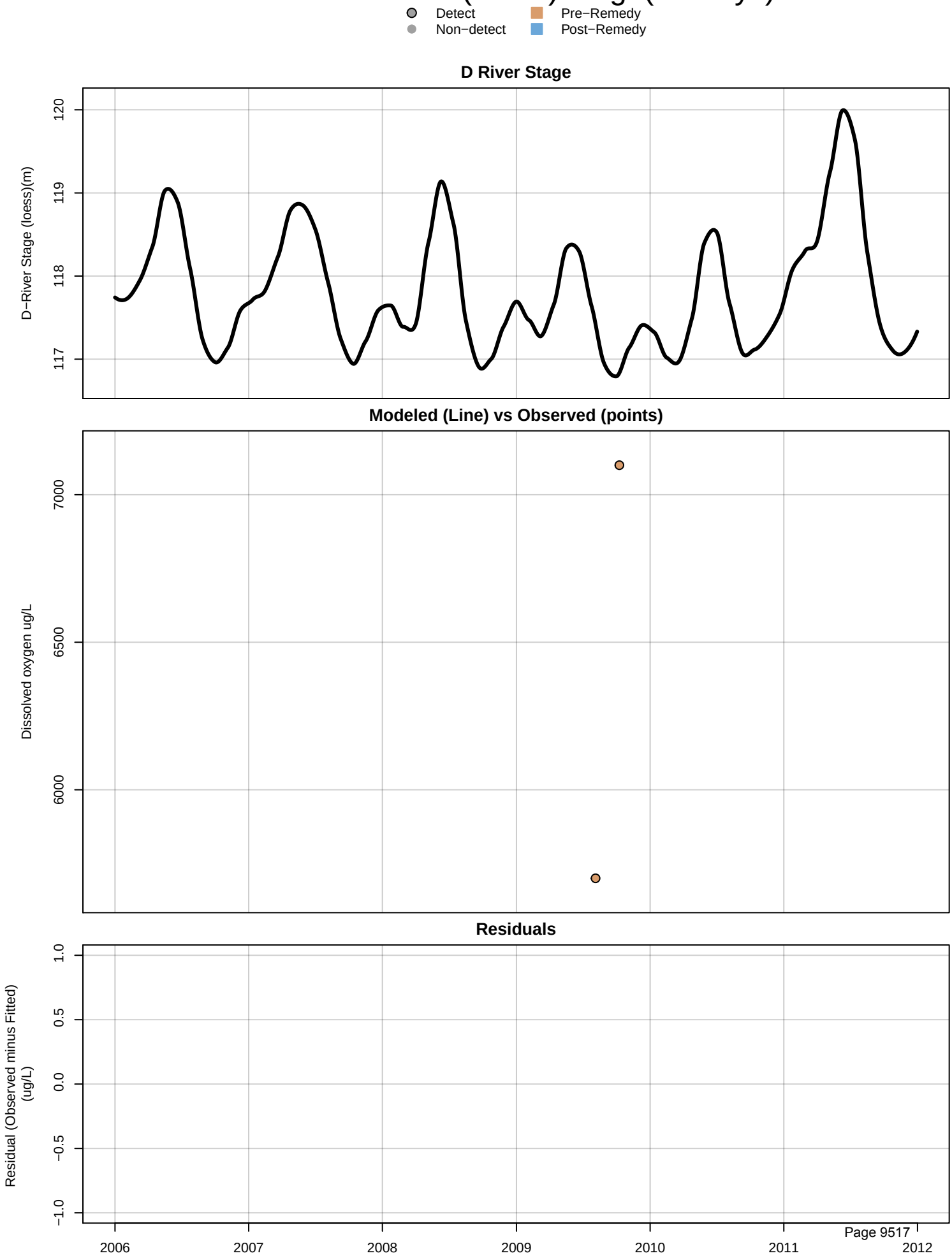


199−D5−40 (510m) Lag (45 Days)

Detect
Non−detect
Pre−Remedy
Post−Remedy

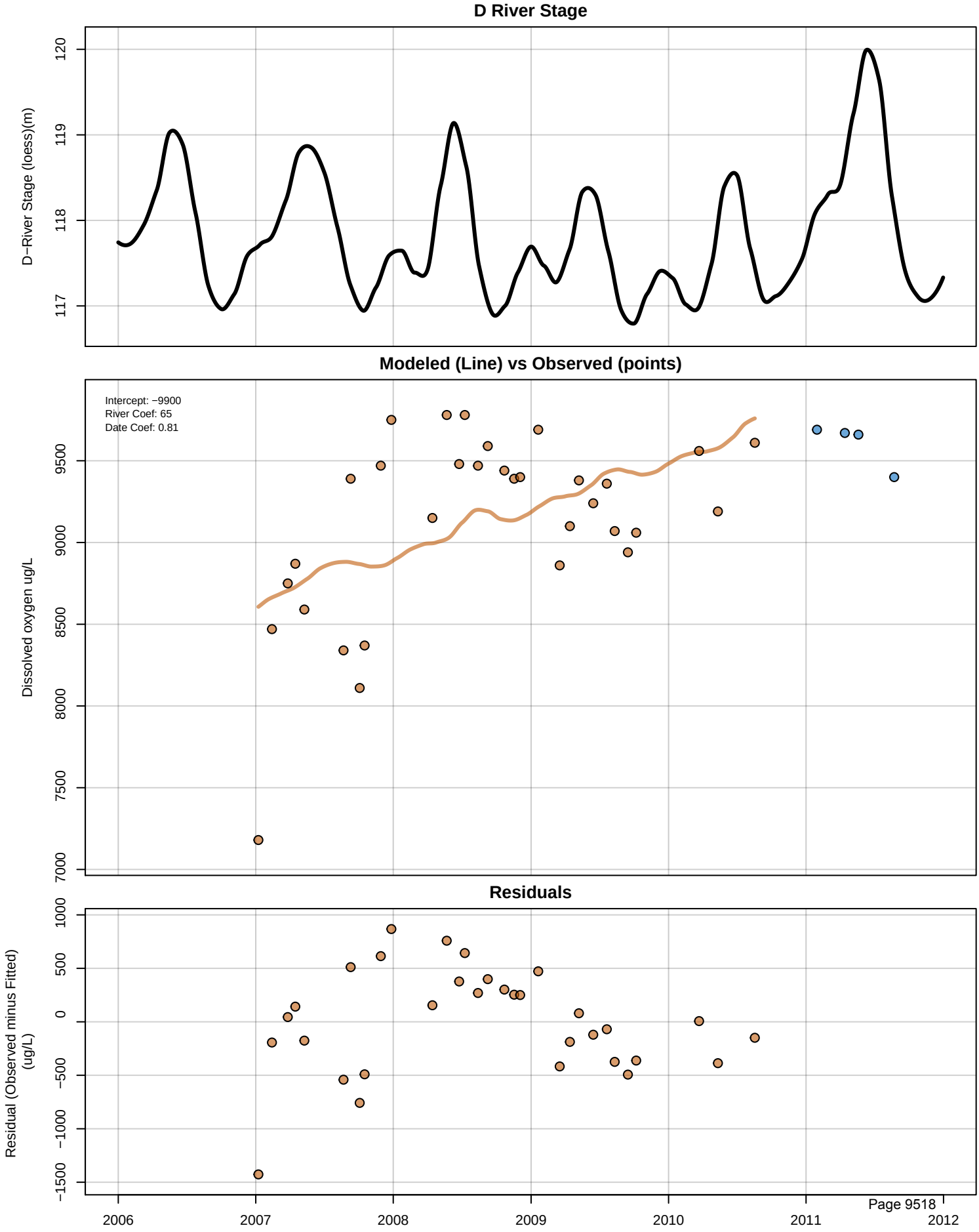


199−D5−41* (418m) Lag (33 Days)



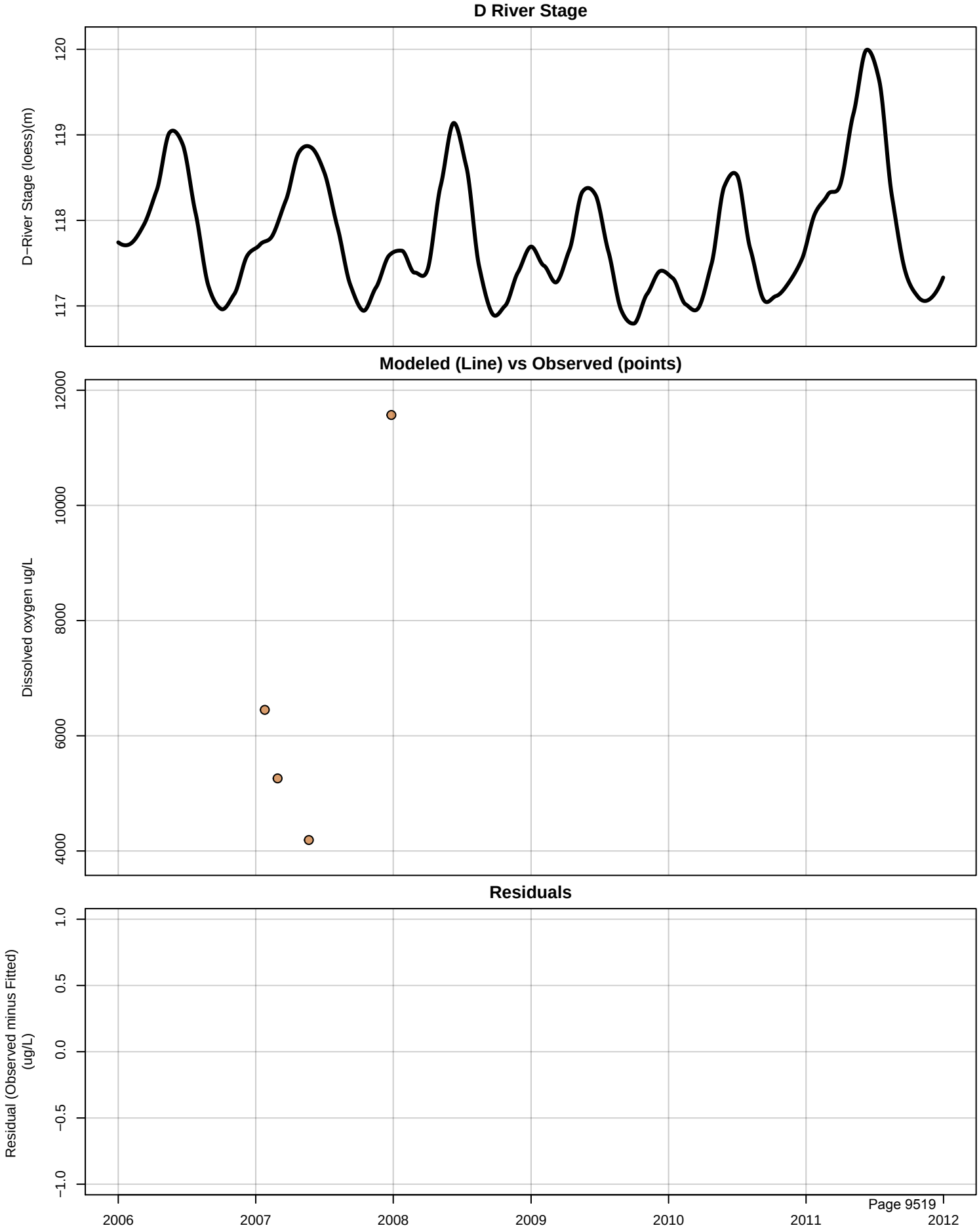
199−D5−43 (612m) Lag (57 Days)

Detect
Non−detect
Pre−Remedy
Post−Remedy

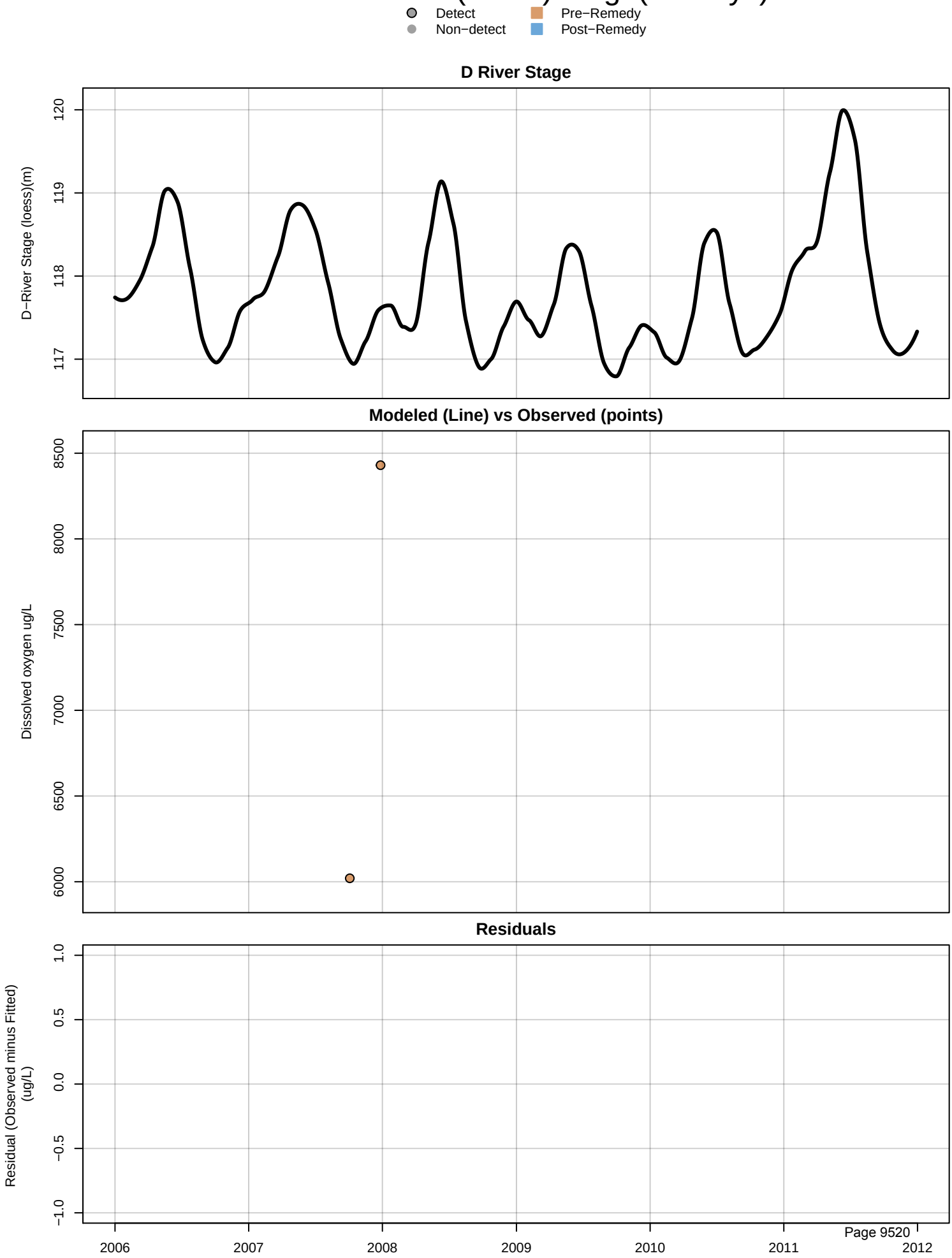


199−D5−93 (611m) Lag (53 Days)

Detect
Non−detect
Pre−Remedy
Post−Remedy

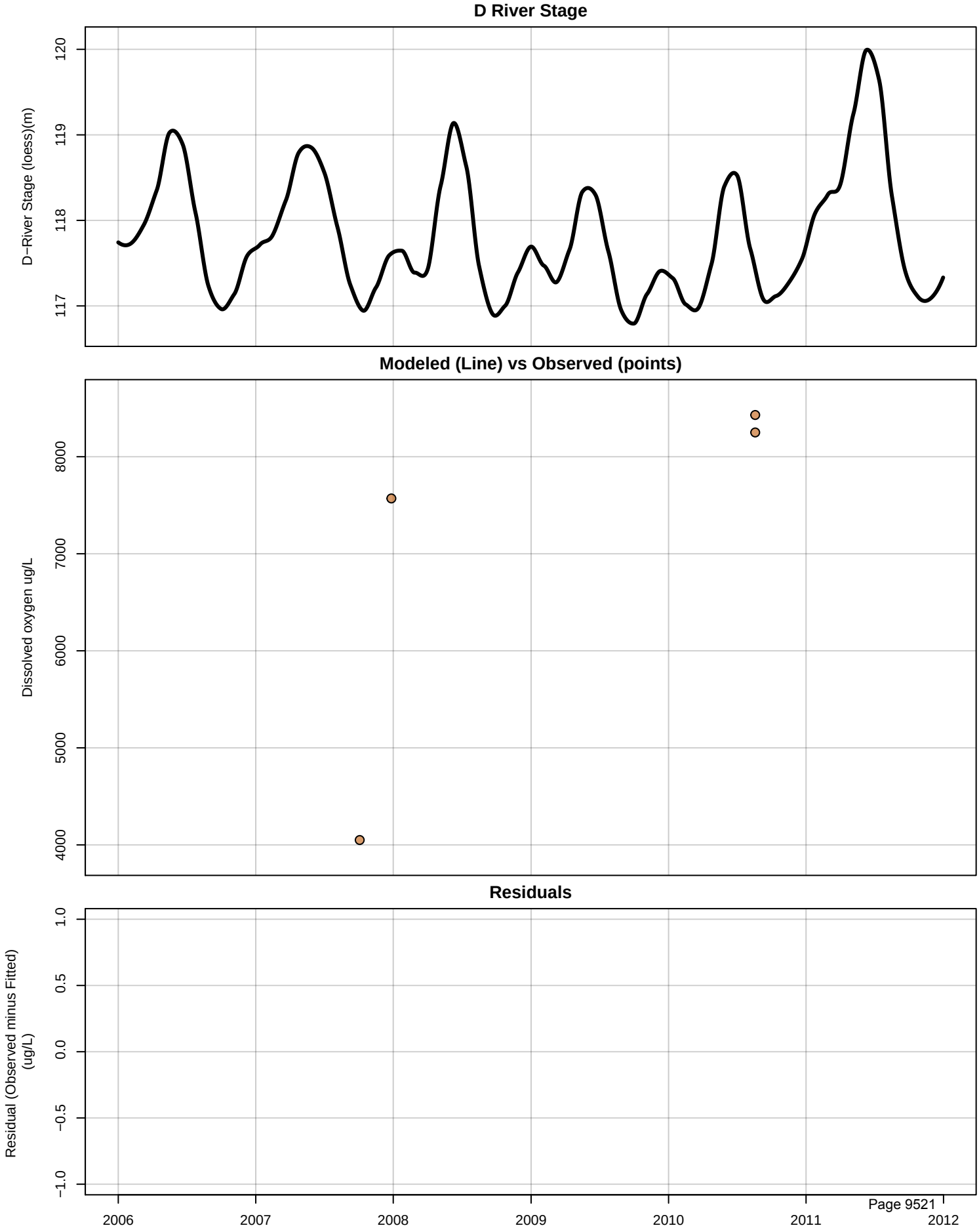


199−D5−97 (635m) Lag (65 Days)



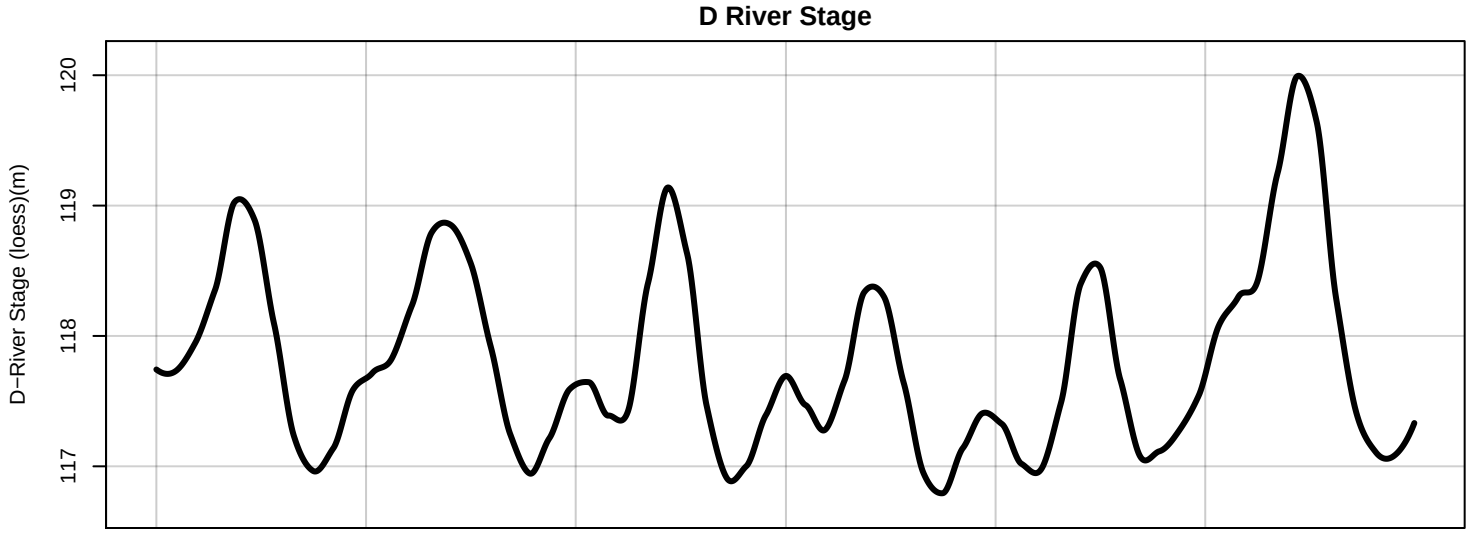
199−D5−98 (743m) Lag (76 Days)

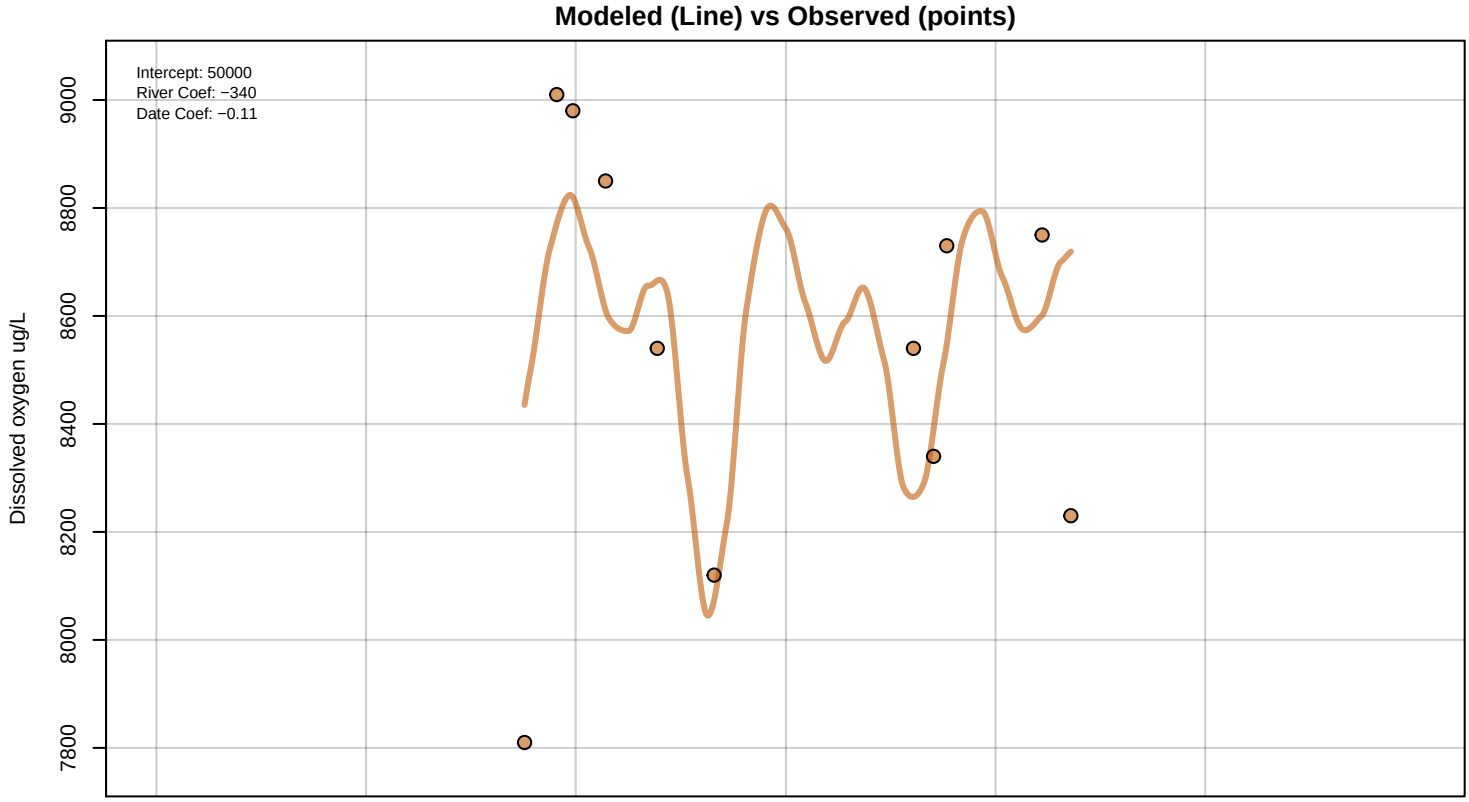
Detect
Non−detect
Pre−Remedy
Post−Remedy

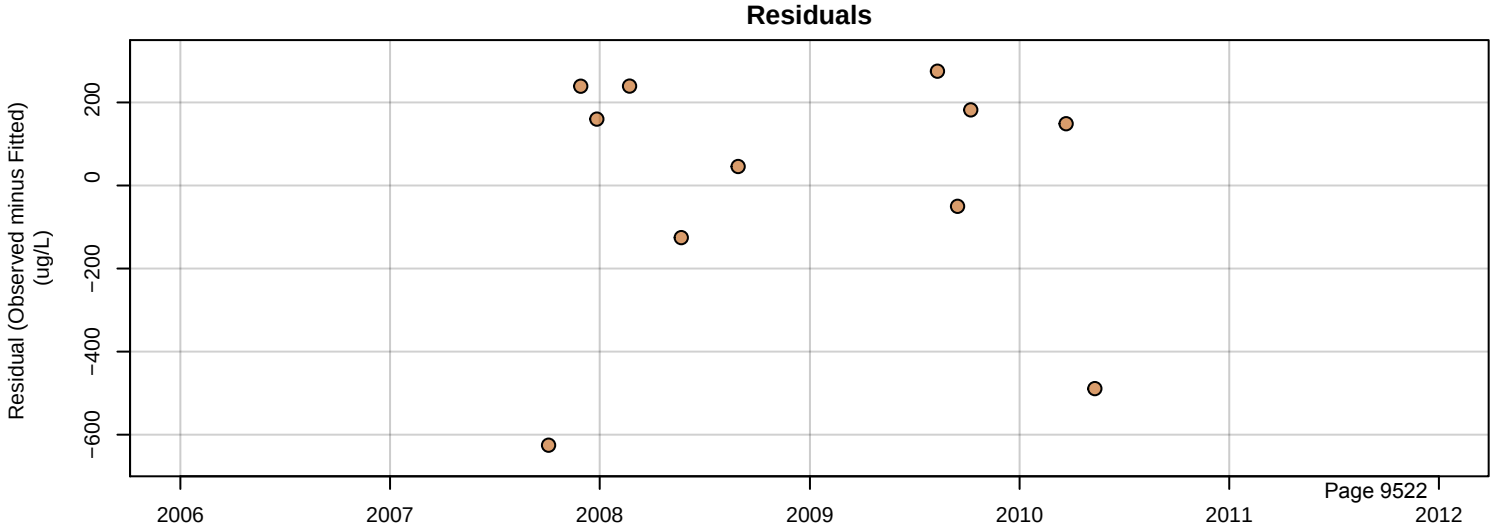


199−D5−99 (648m) Lag (69 Days)

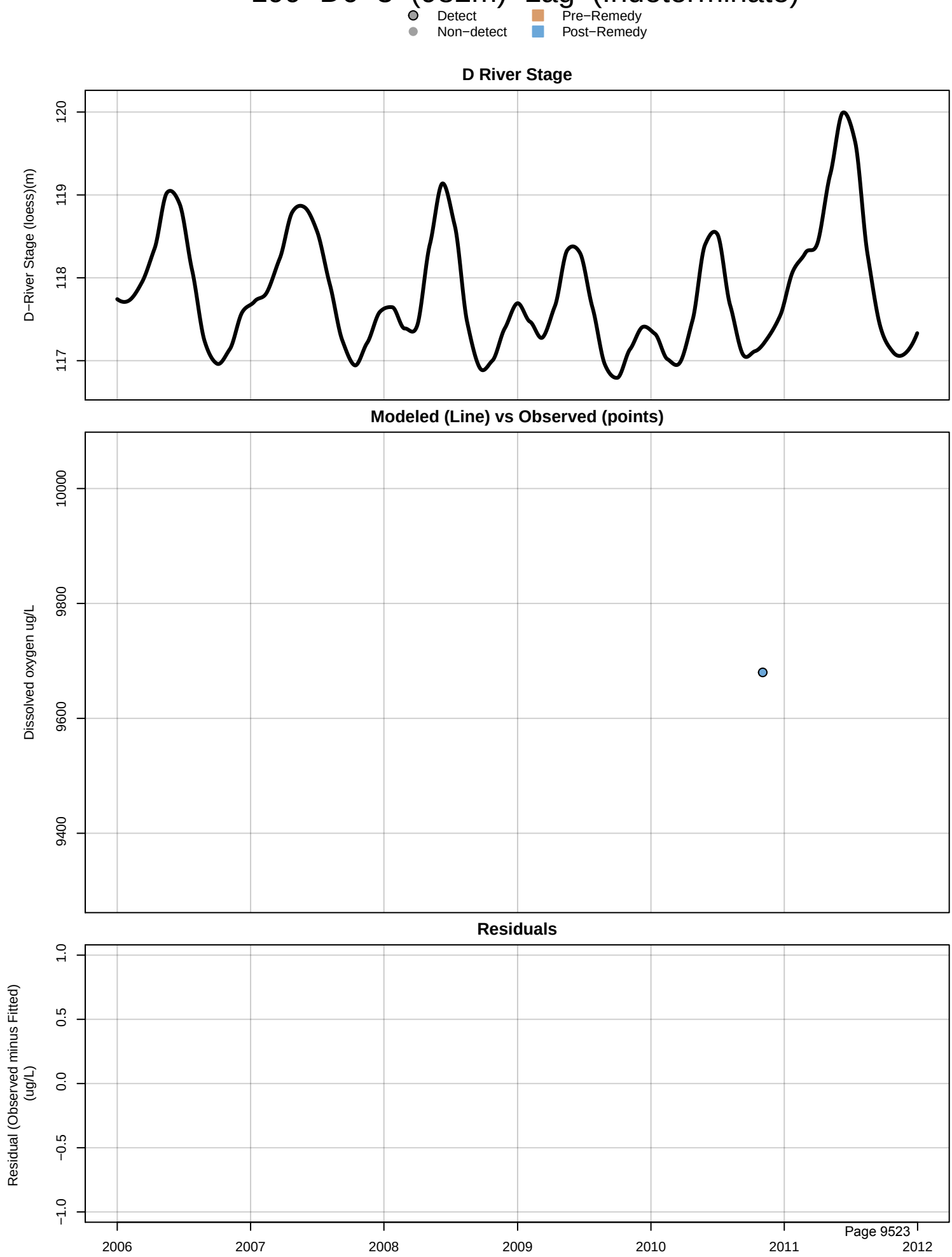
Detect
Non−detect
Pre−Remedy
Post−Remedy





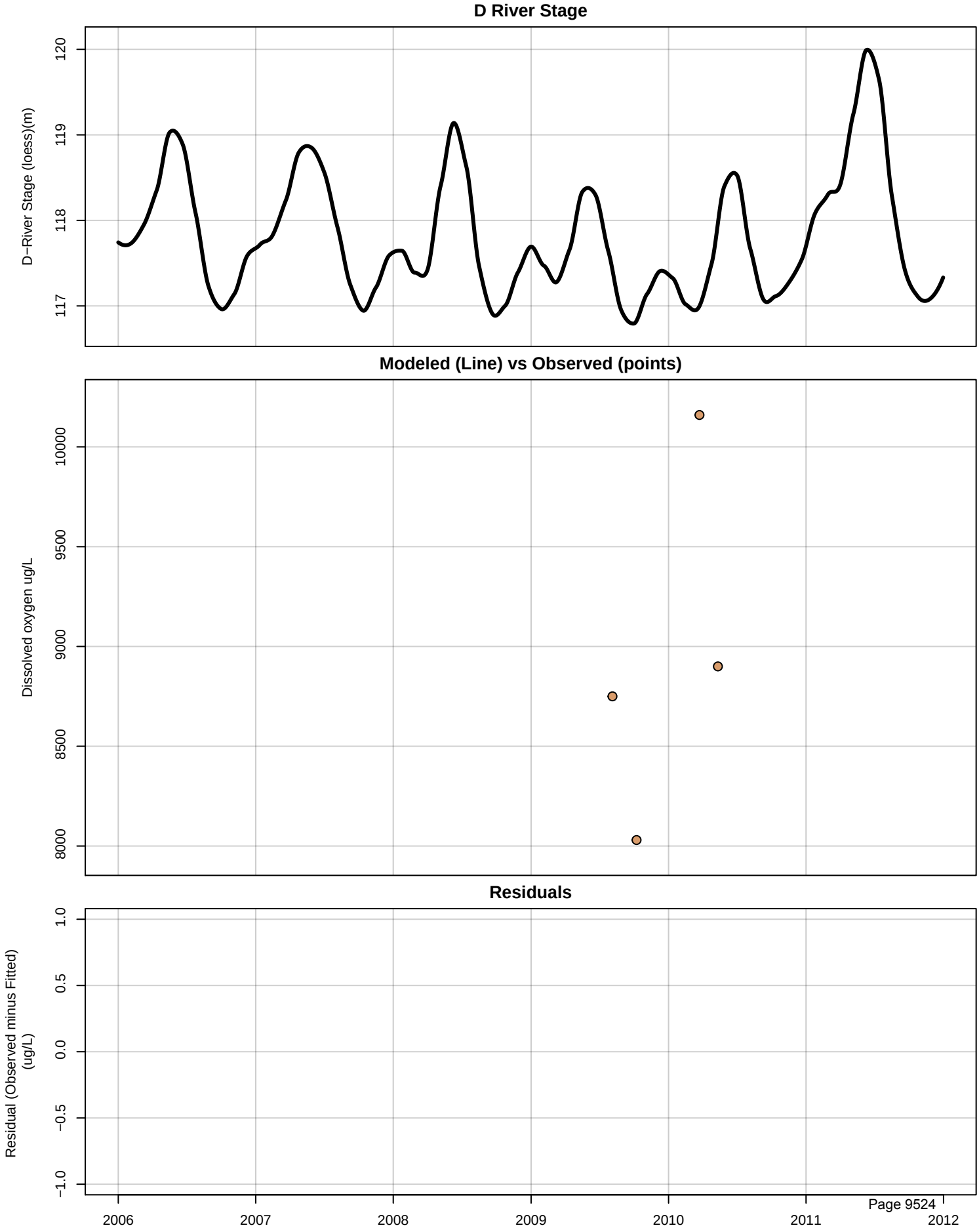


199−D6−3 (982m) Lag (Indeterminate)

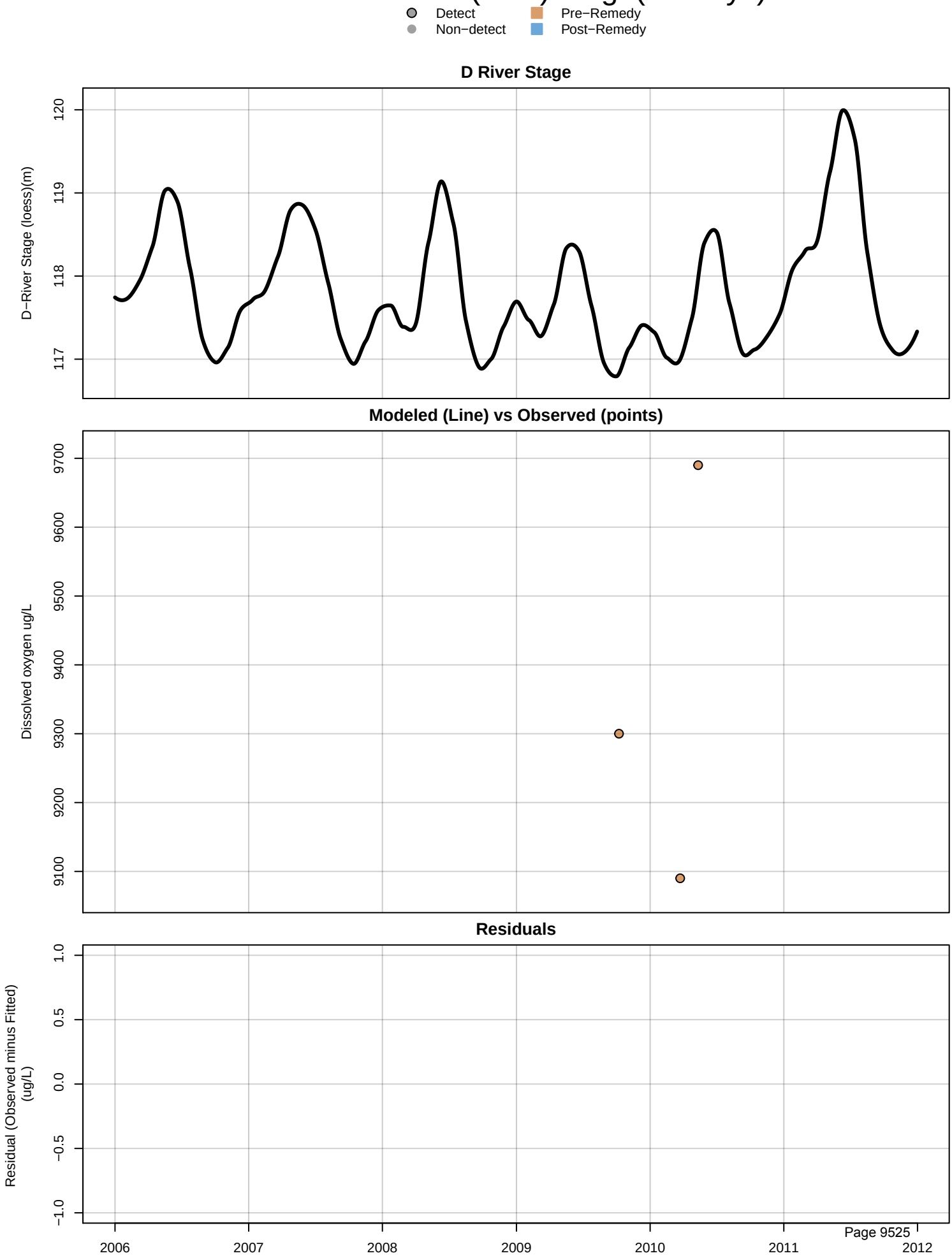


199−D8−5 (127m) Lag (8 Days)

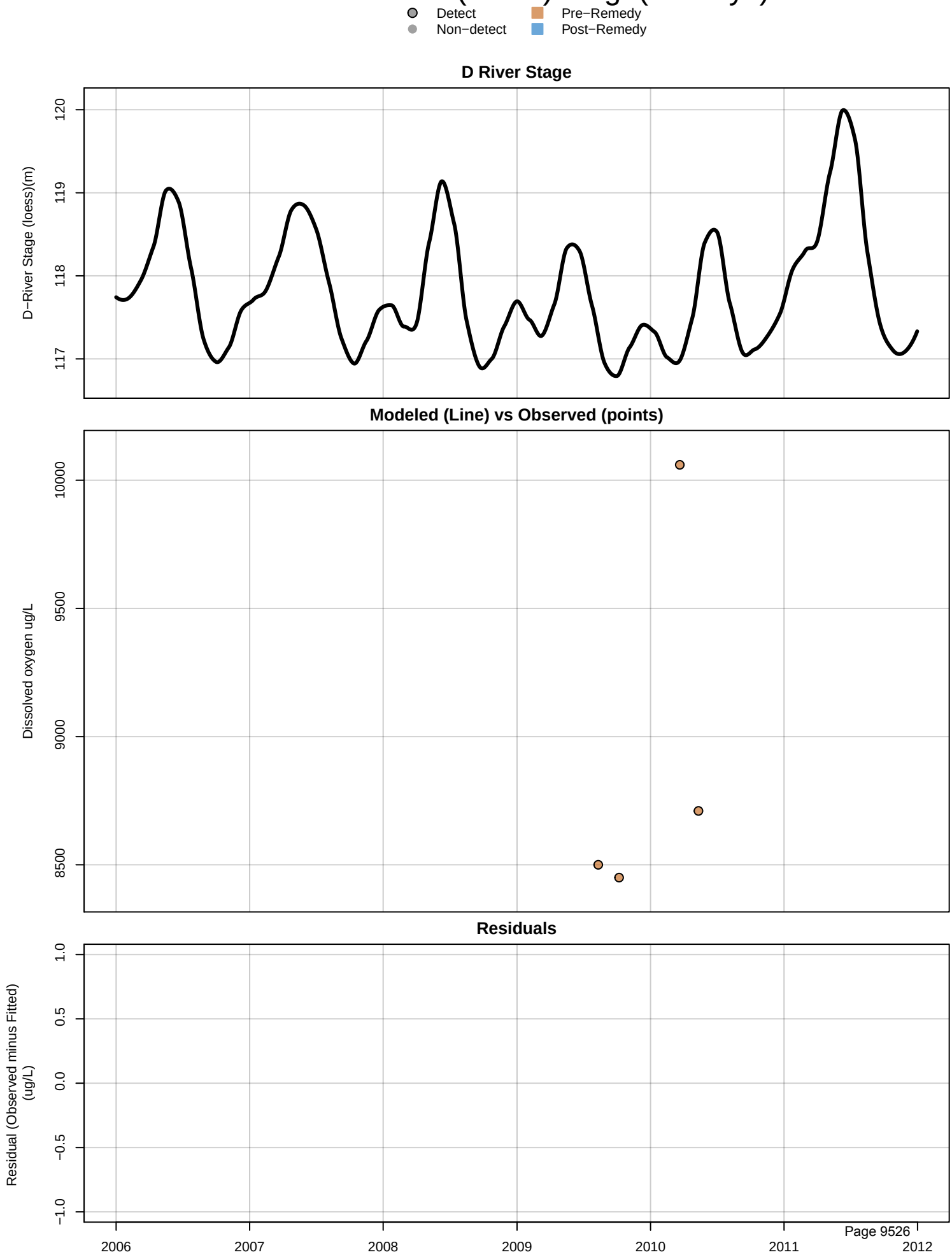
Detect
Non−detect
Pre−Remedy
Post−Remedy



199−D8−55* (85m) Lag (12 Days)

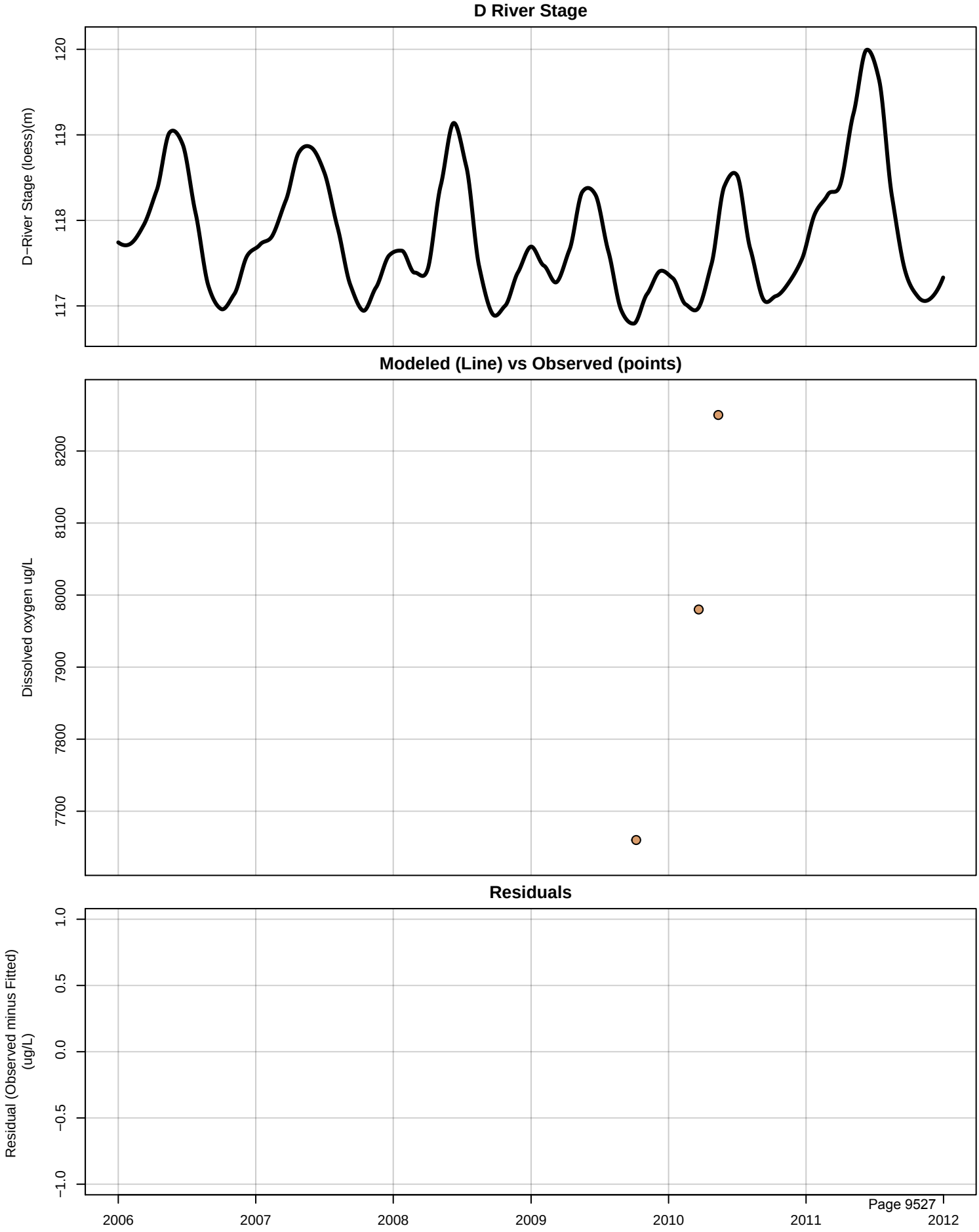


199−D8−70 (179m) Lag (12 Days)

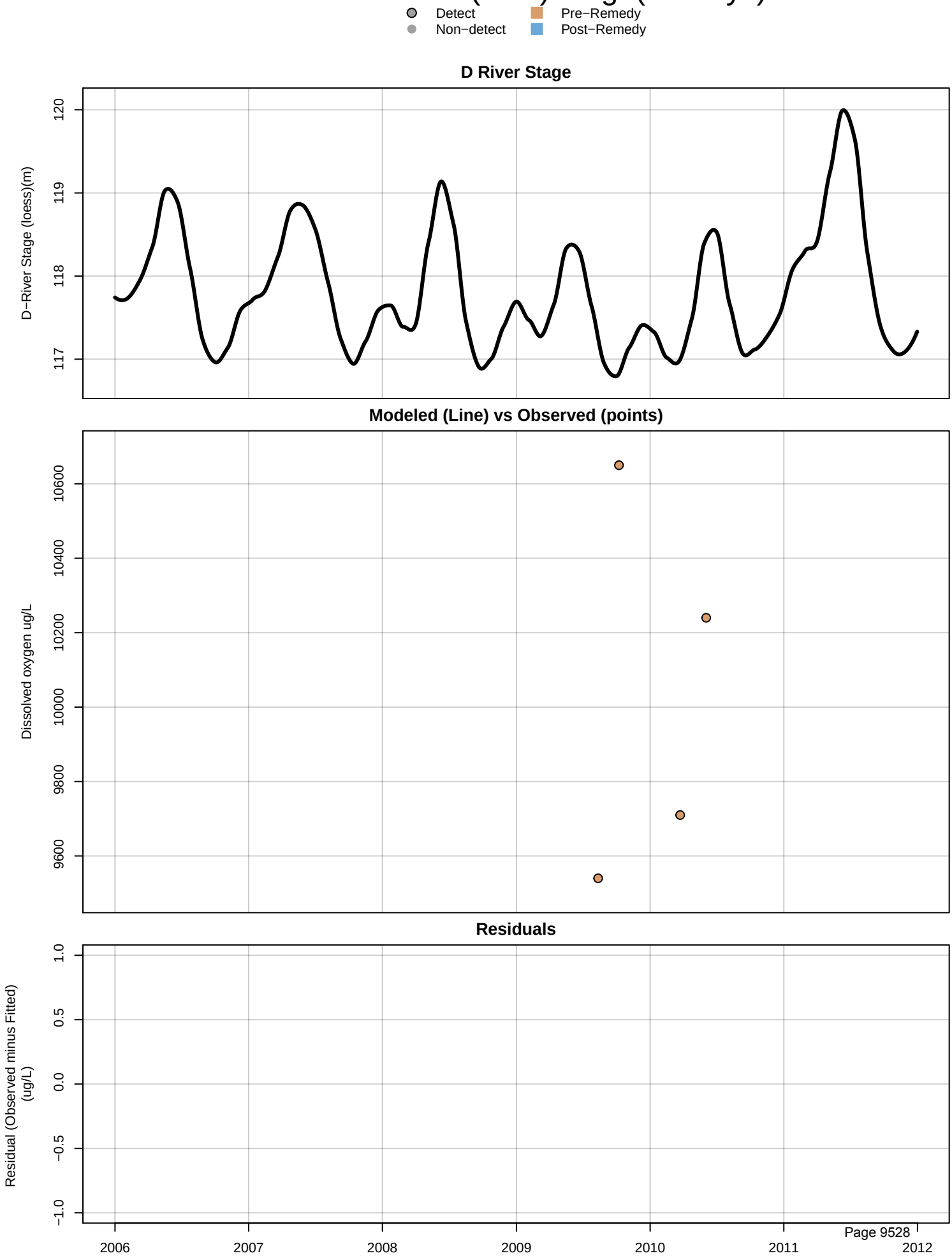


199−D8−71 (173m) Lag (11 Days)

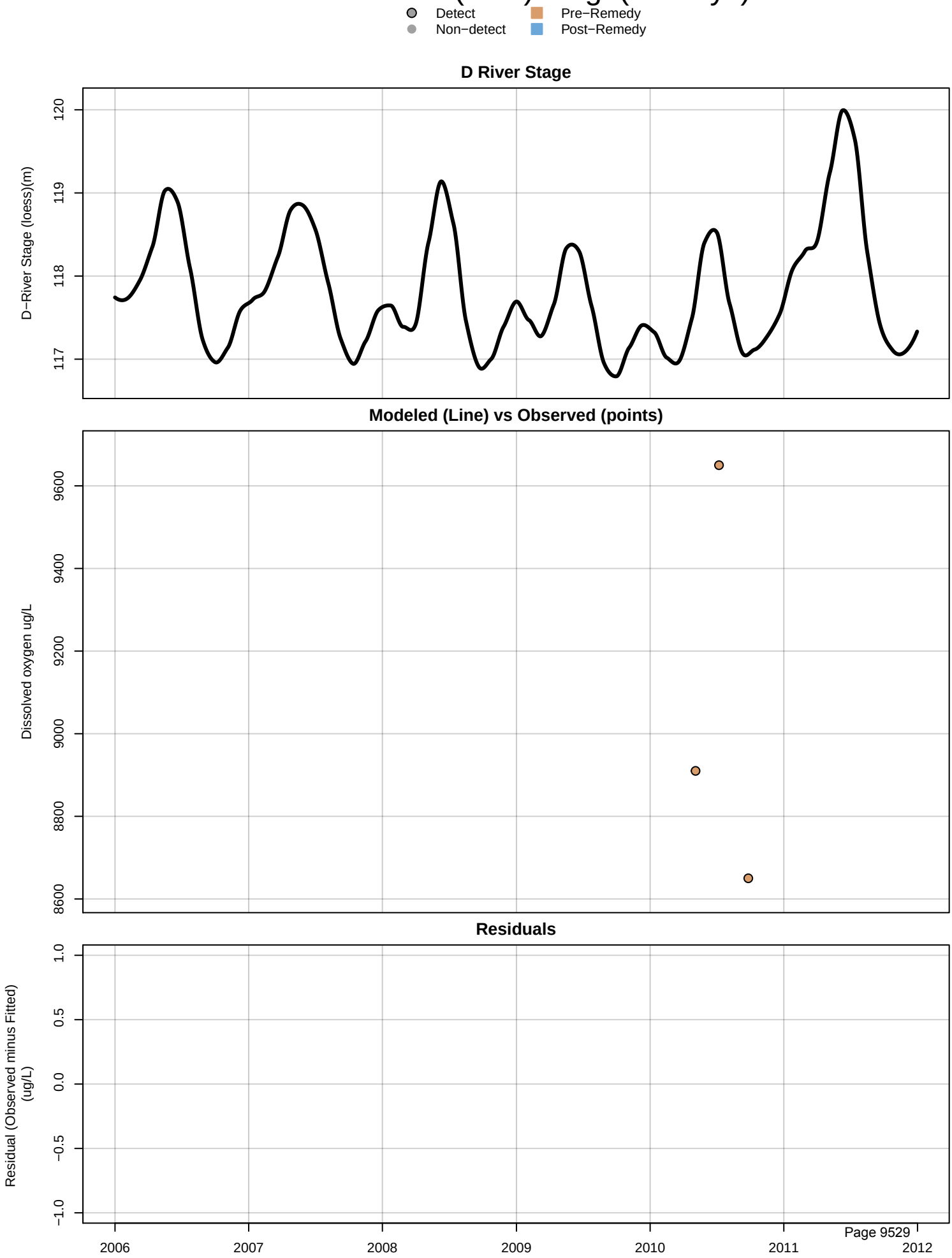
Detect
Non−detect
Pre−Remedy
Post−Remedy



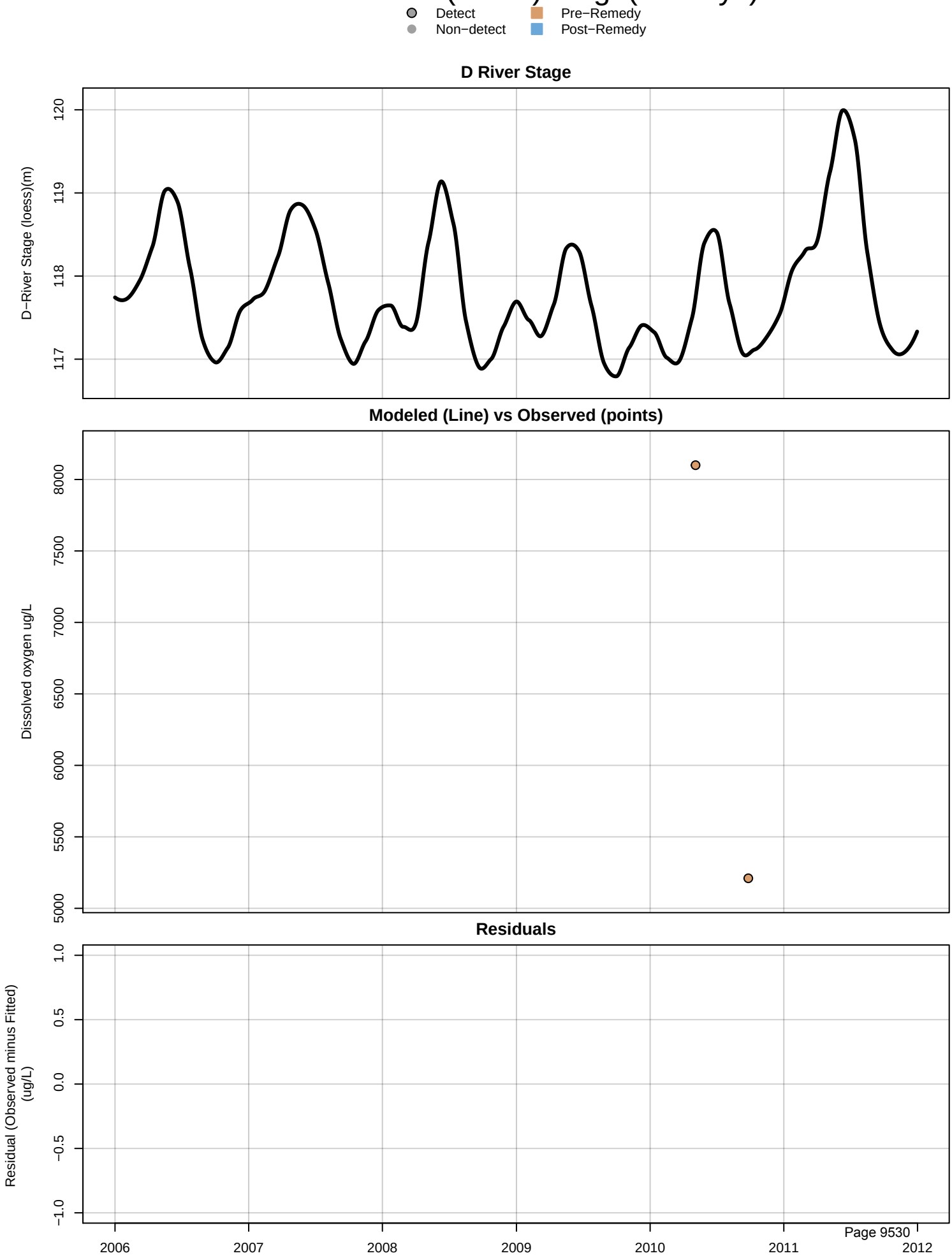
199−D8−88* (95m) Lag (18 Days)



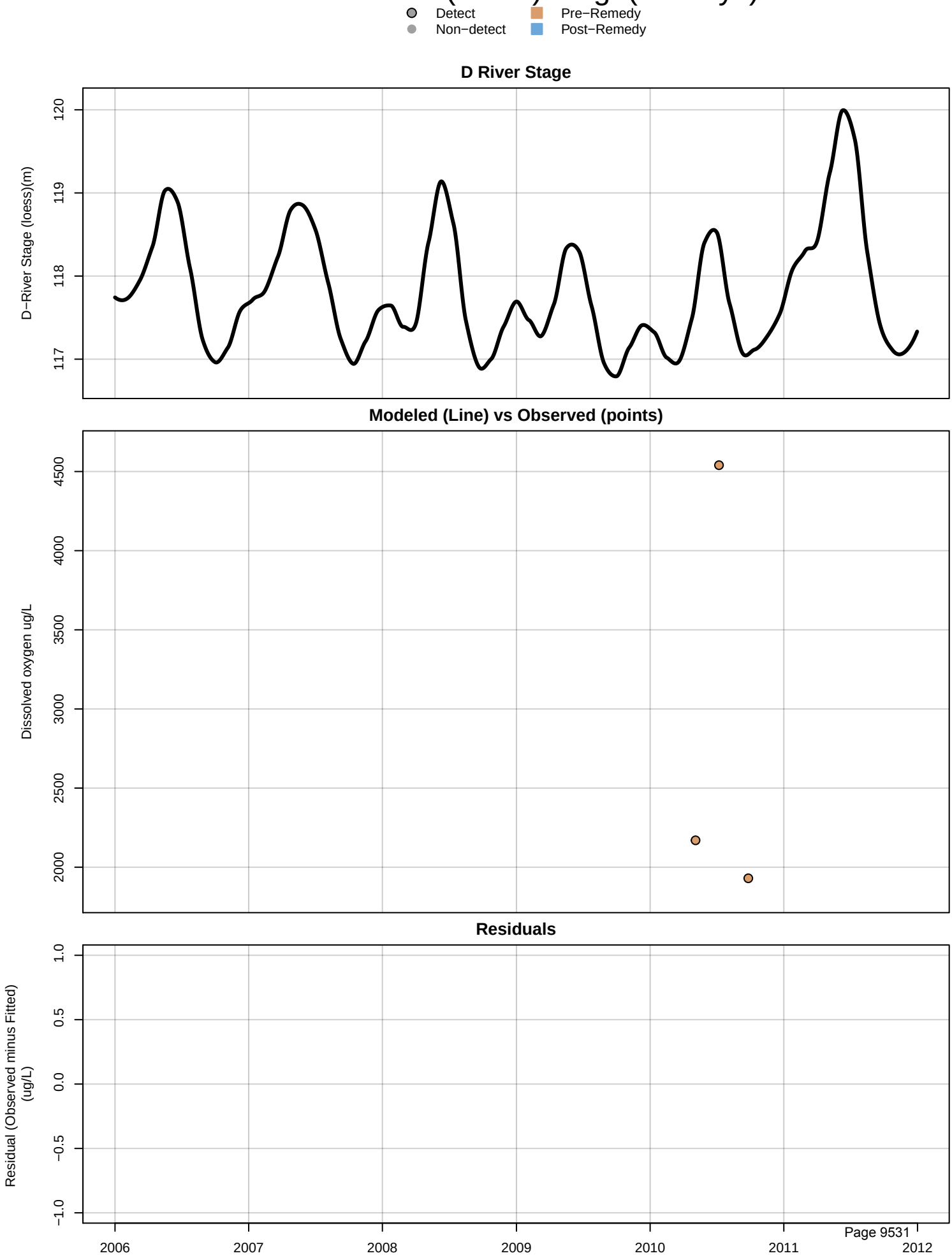
199−F1−2 (89m) Lag (14 Days)



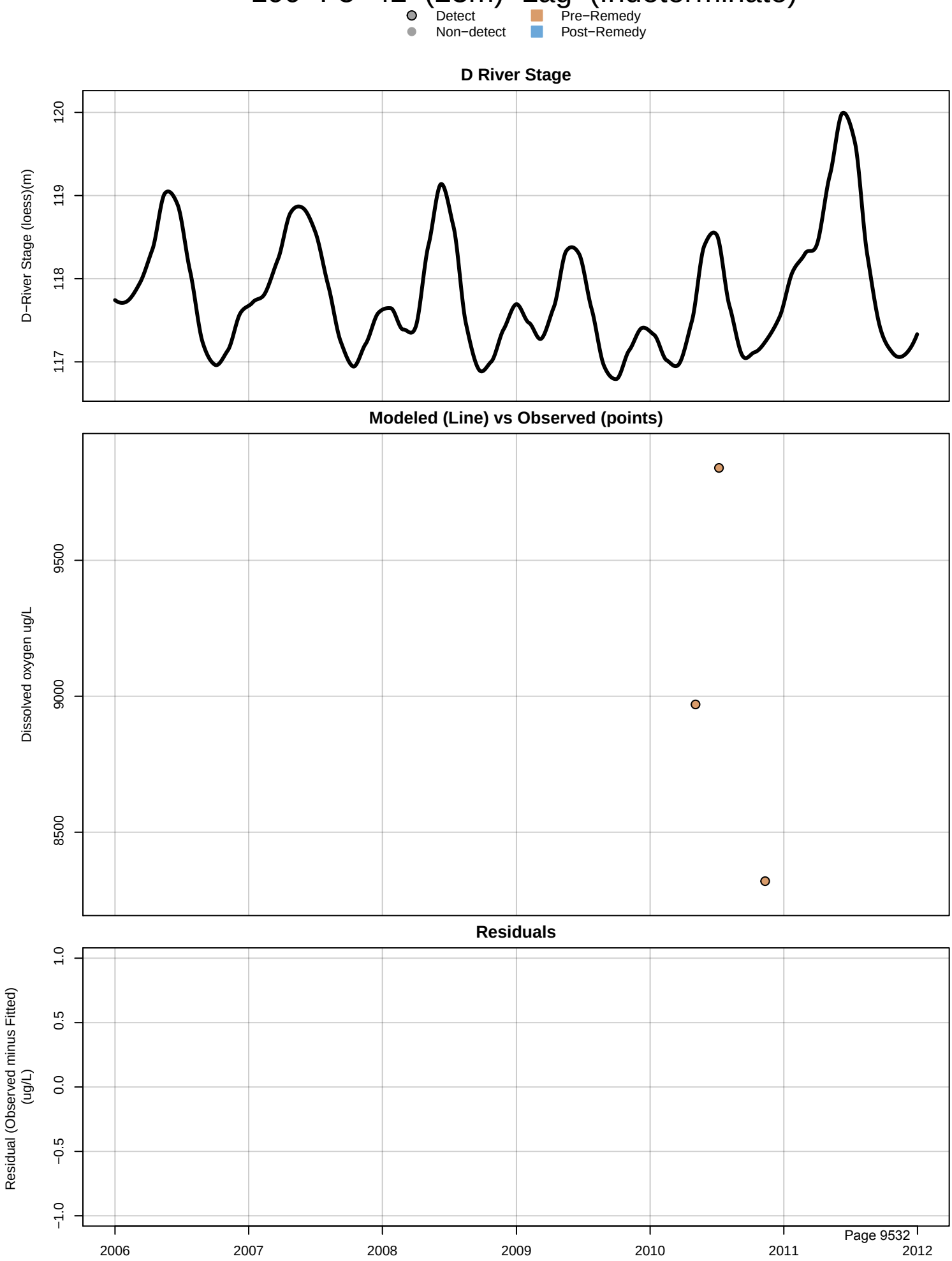
199−F5−1 (106m) Lag (20 Days)



199−F5−4 (722m) Lag (64 Days)

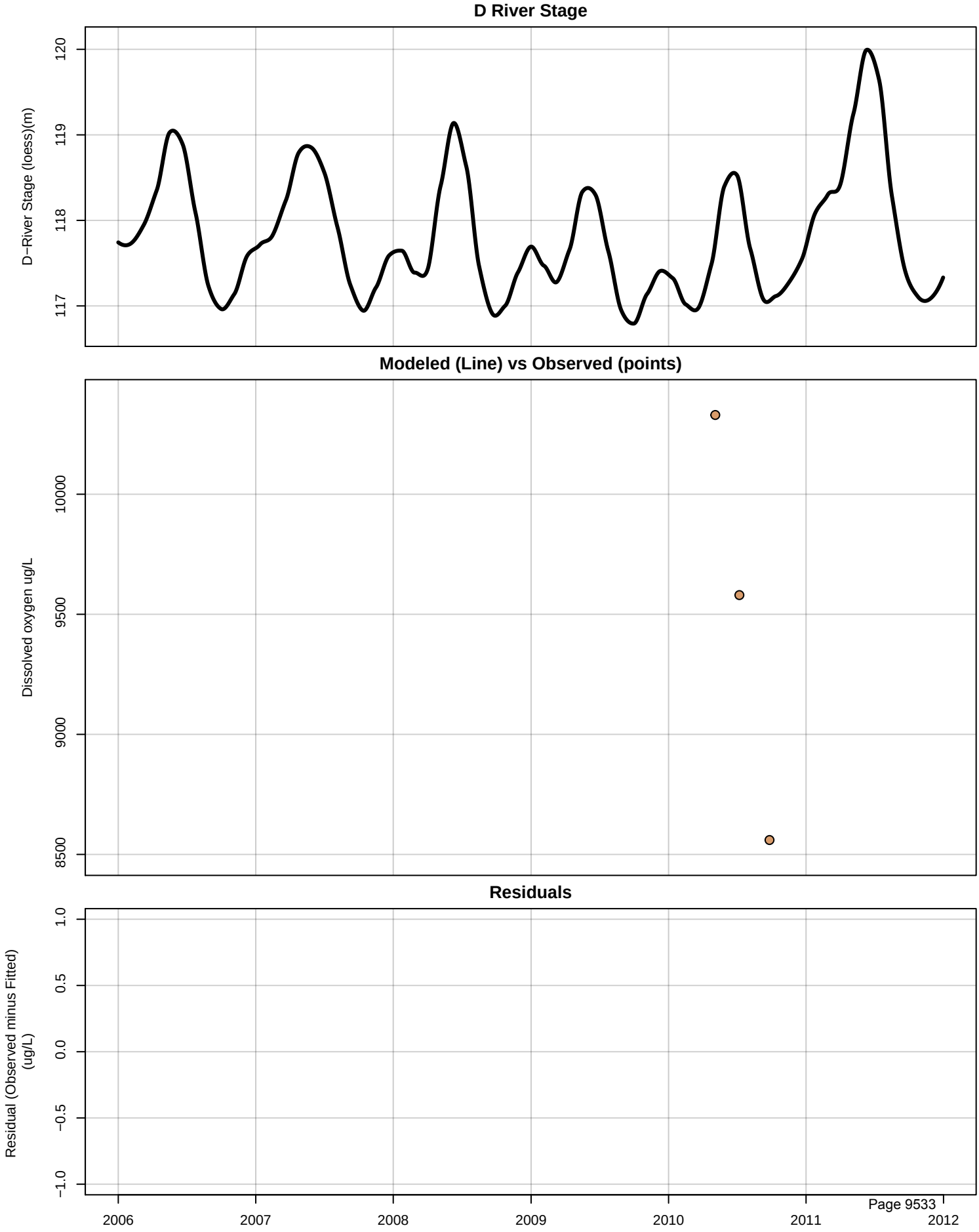


199−F5−42 (23m) Lag (Indeterminate)



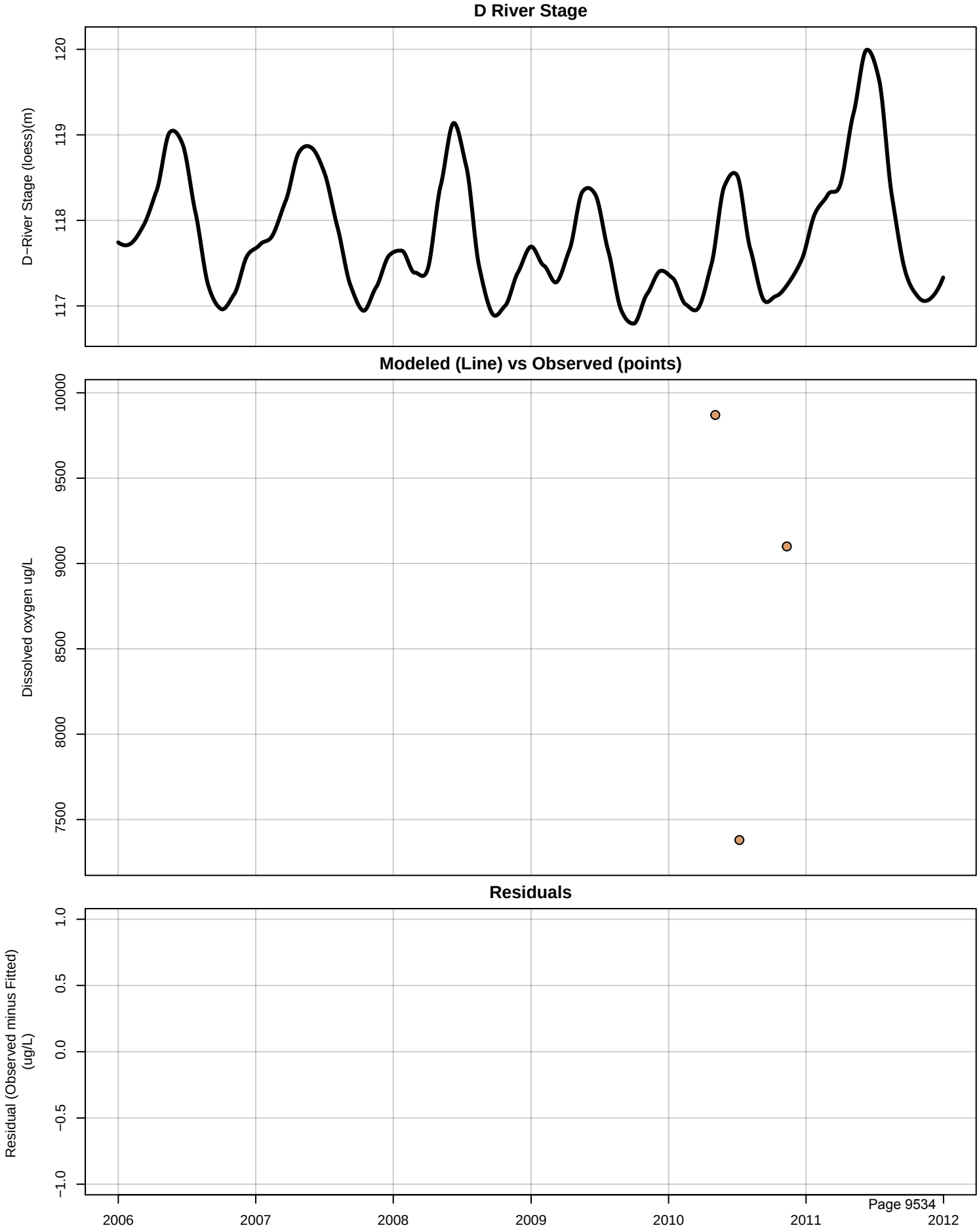
199−F5−43A (28m) Lag (10 Days)

Detect
Non−detect
Pre−Remedy
Post−Remedy

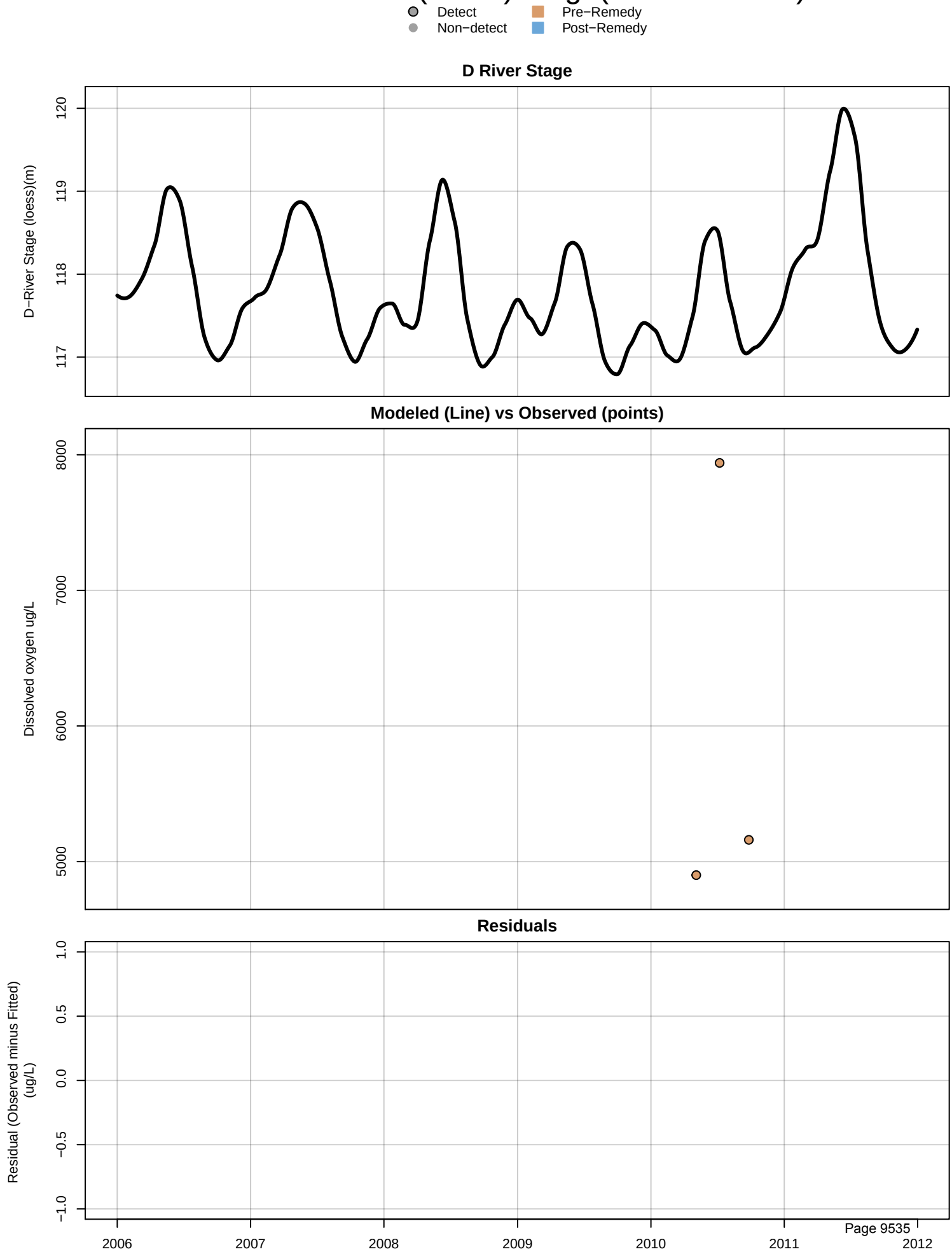


199−F5−44 (31m) Lag (Indeterminate)

Detect
Non−detect
Pre−Remedy
Post−Remedy

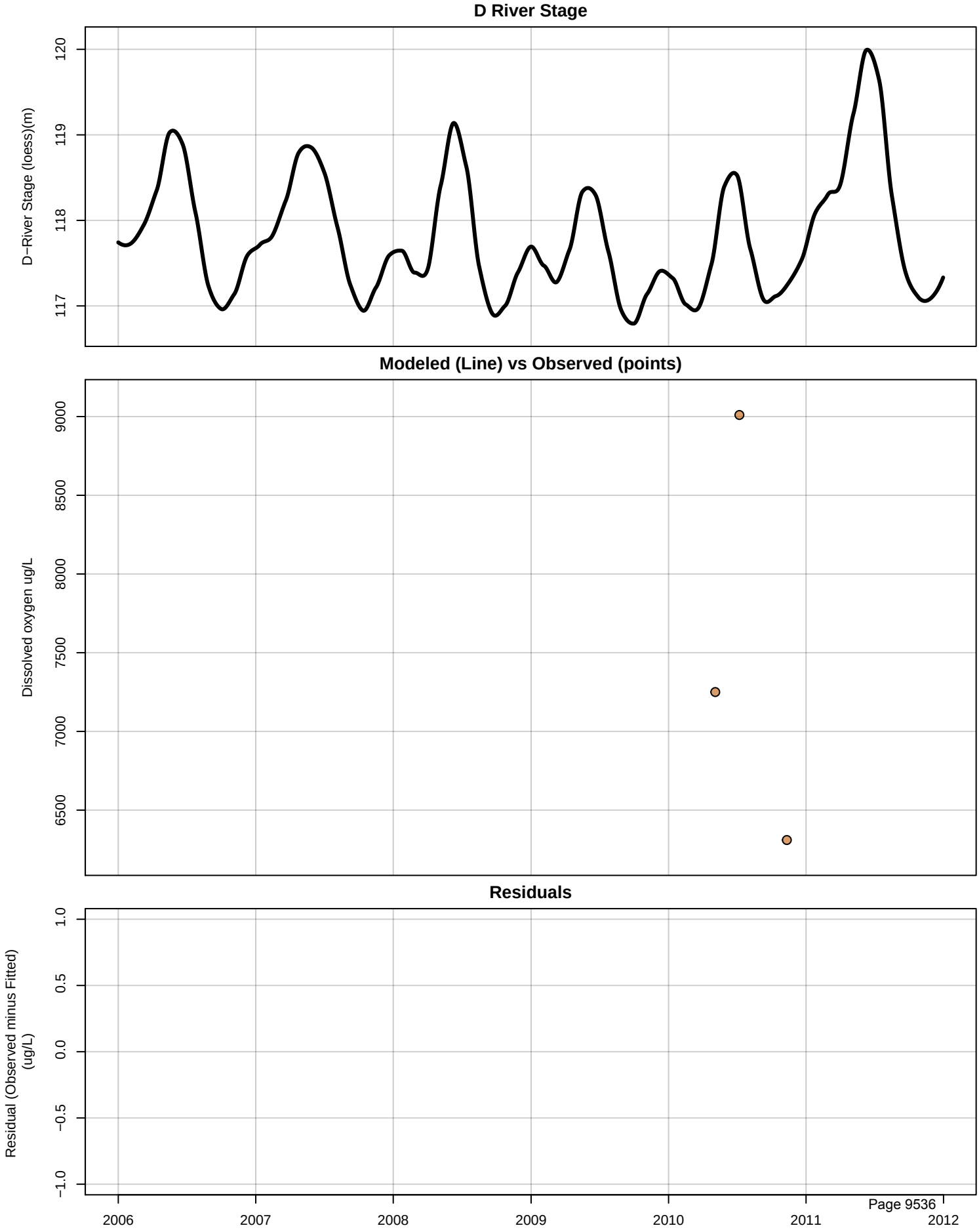


199−F5−45 (530m) Lag (Indeterminate)

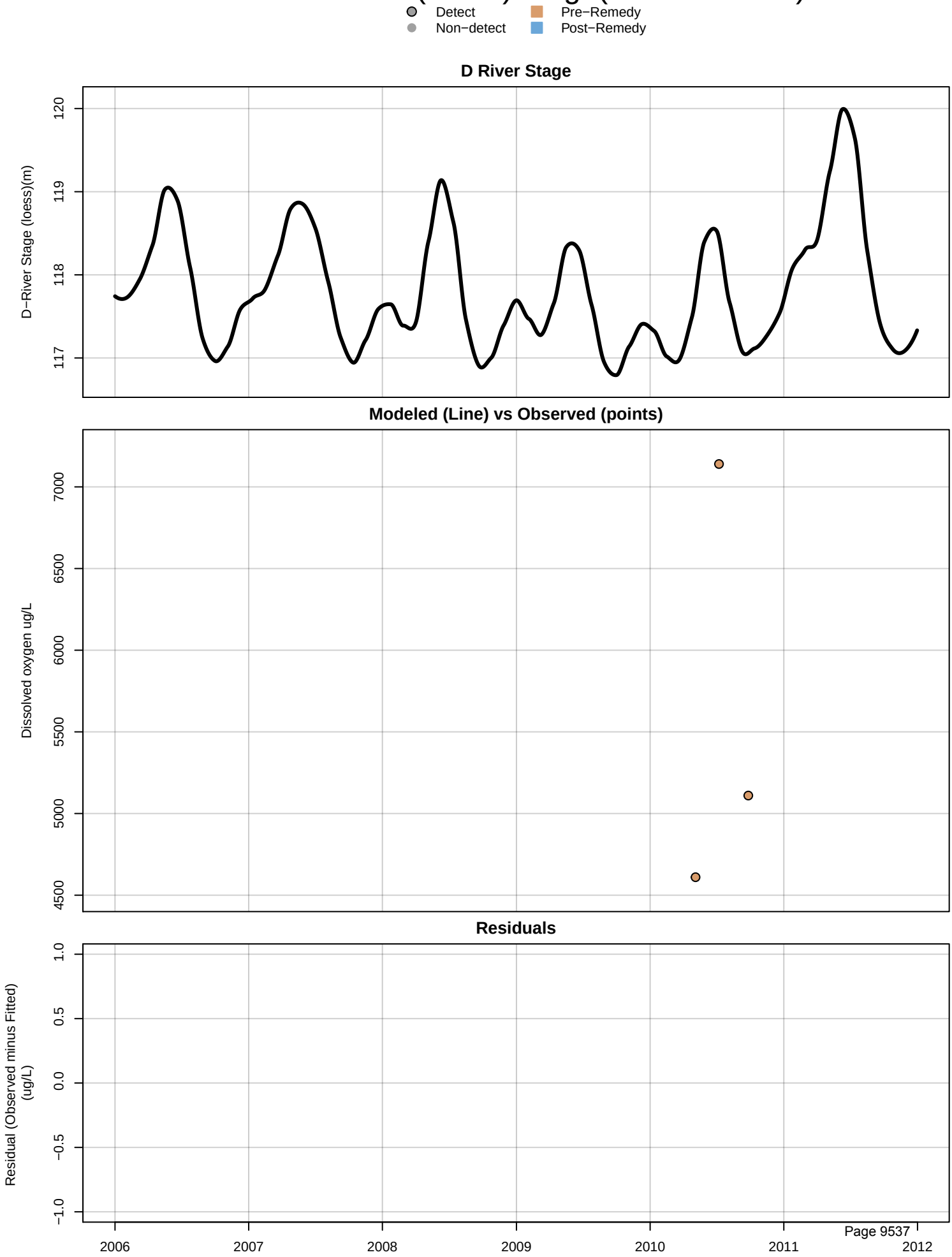


199−F5−46 (371m) Lag (30 Days)

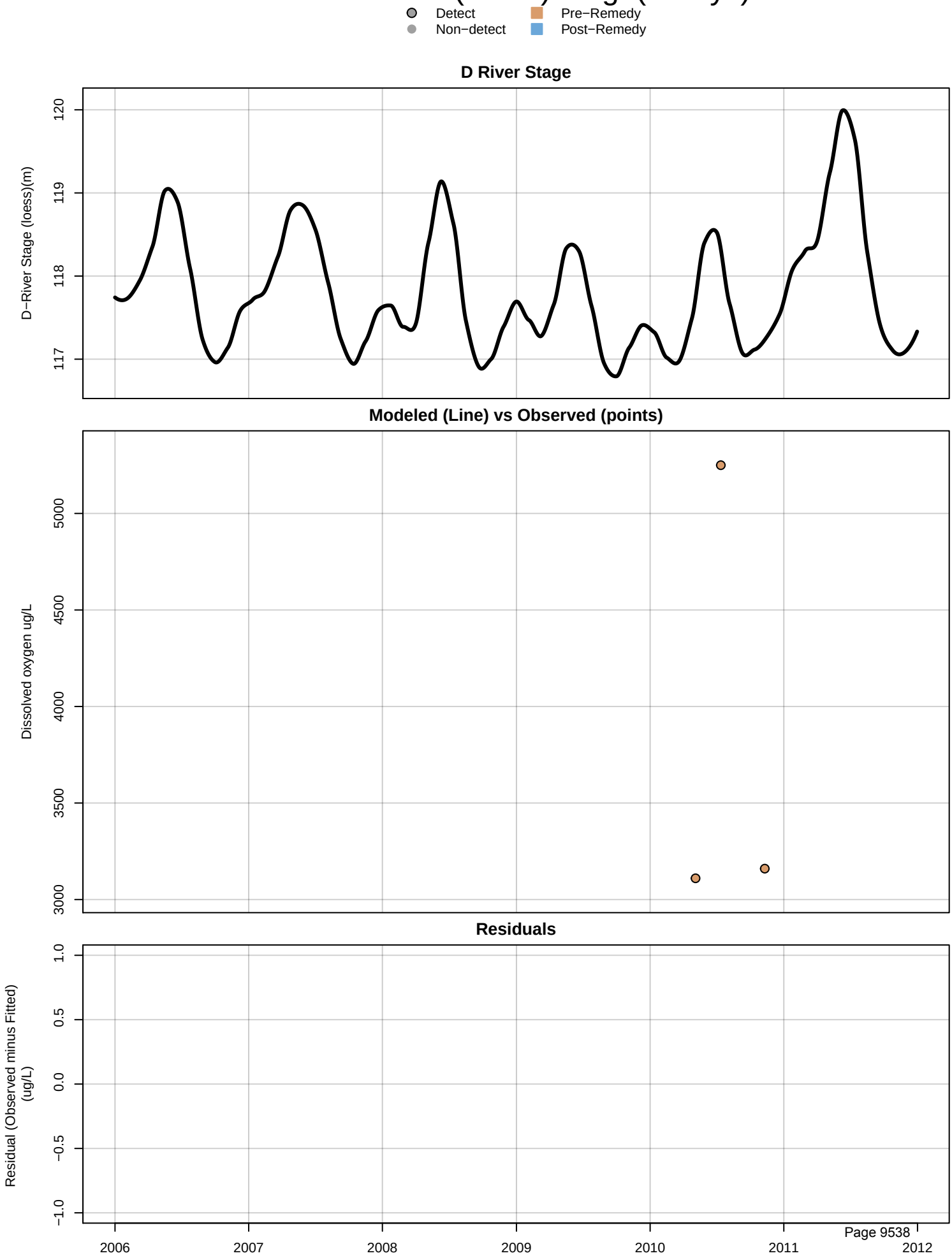
Detect
Non−detect
Pre−Remedy
Post−Remedy



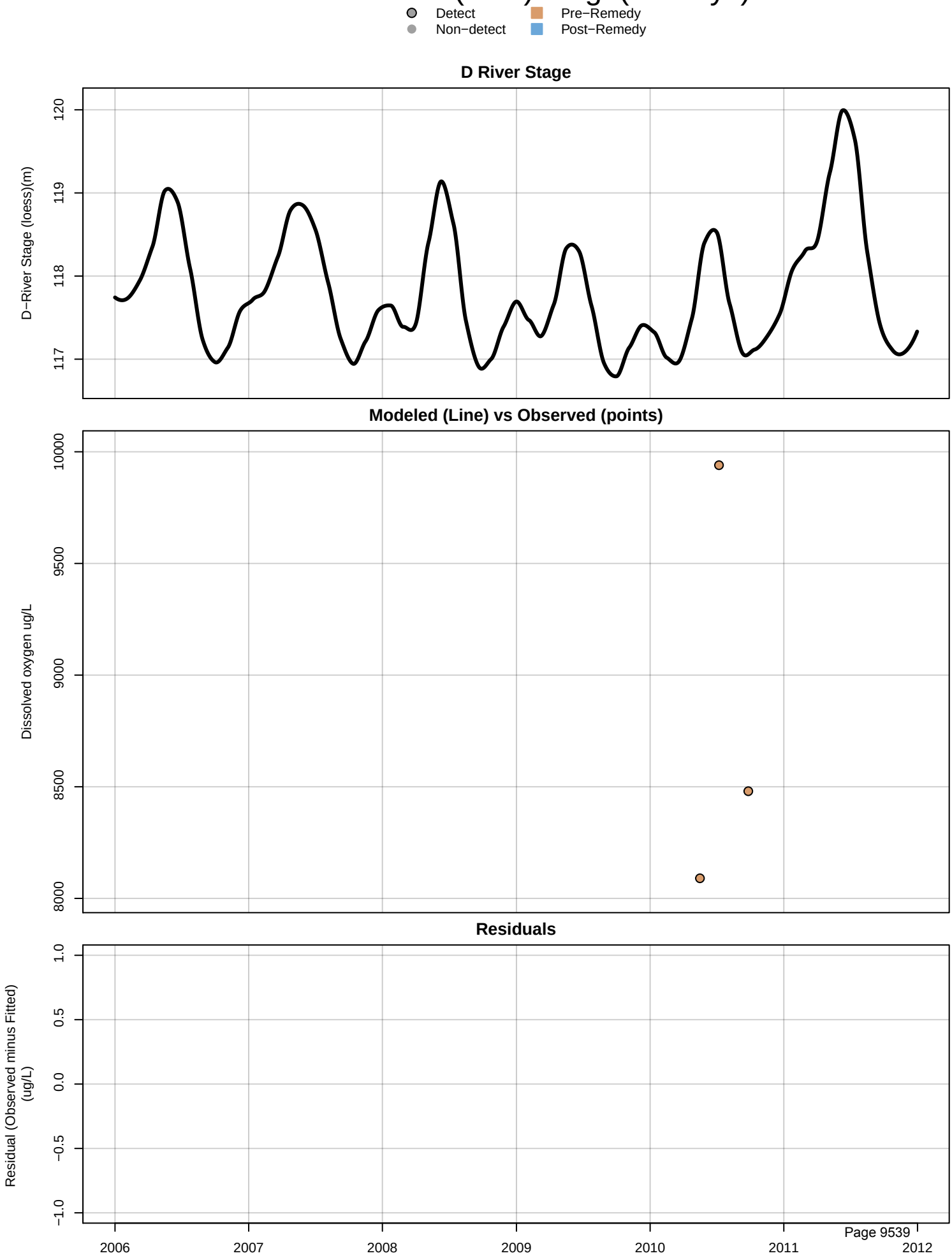
199−F5−48 (637m) Lag (Indeterminate)



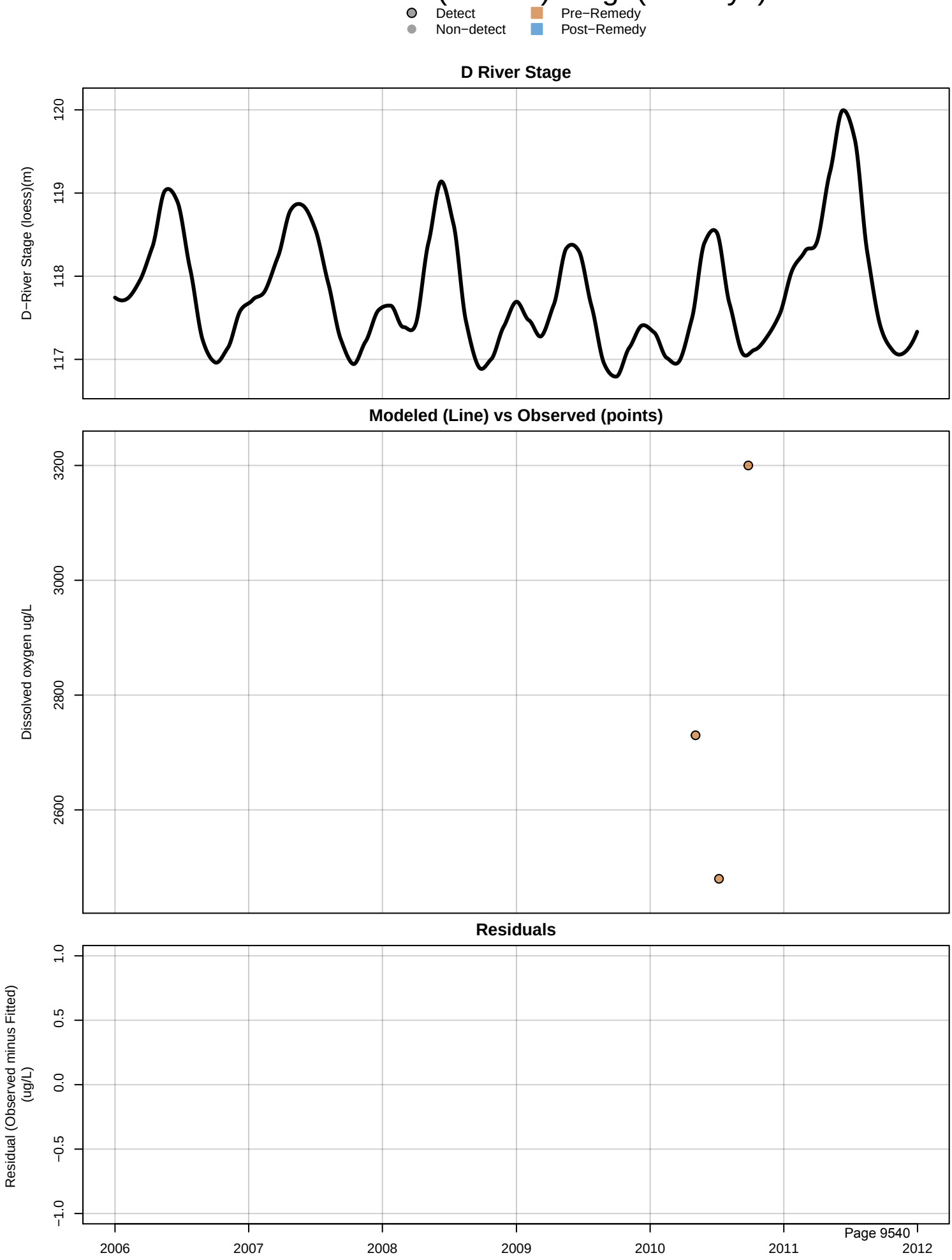
199−F5−6 (123m) Lag (2 Days)



199−F6−1 (51m) Lag (18 Days)

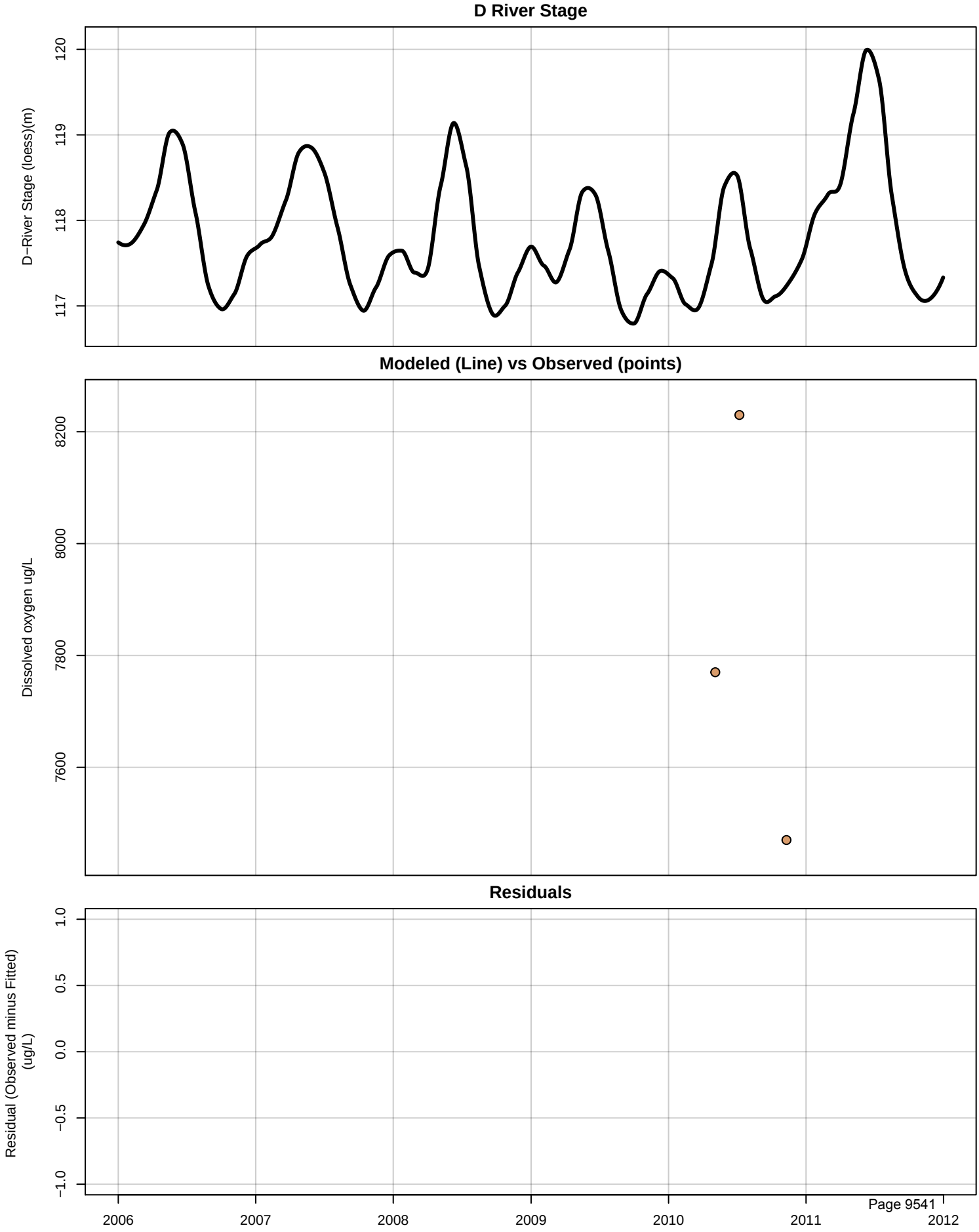


199−F7−1 (1650m) Lag (64 Days)



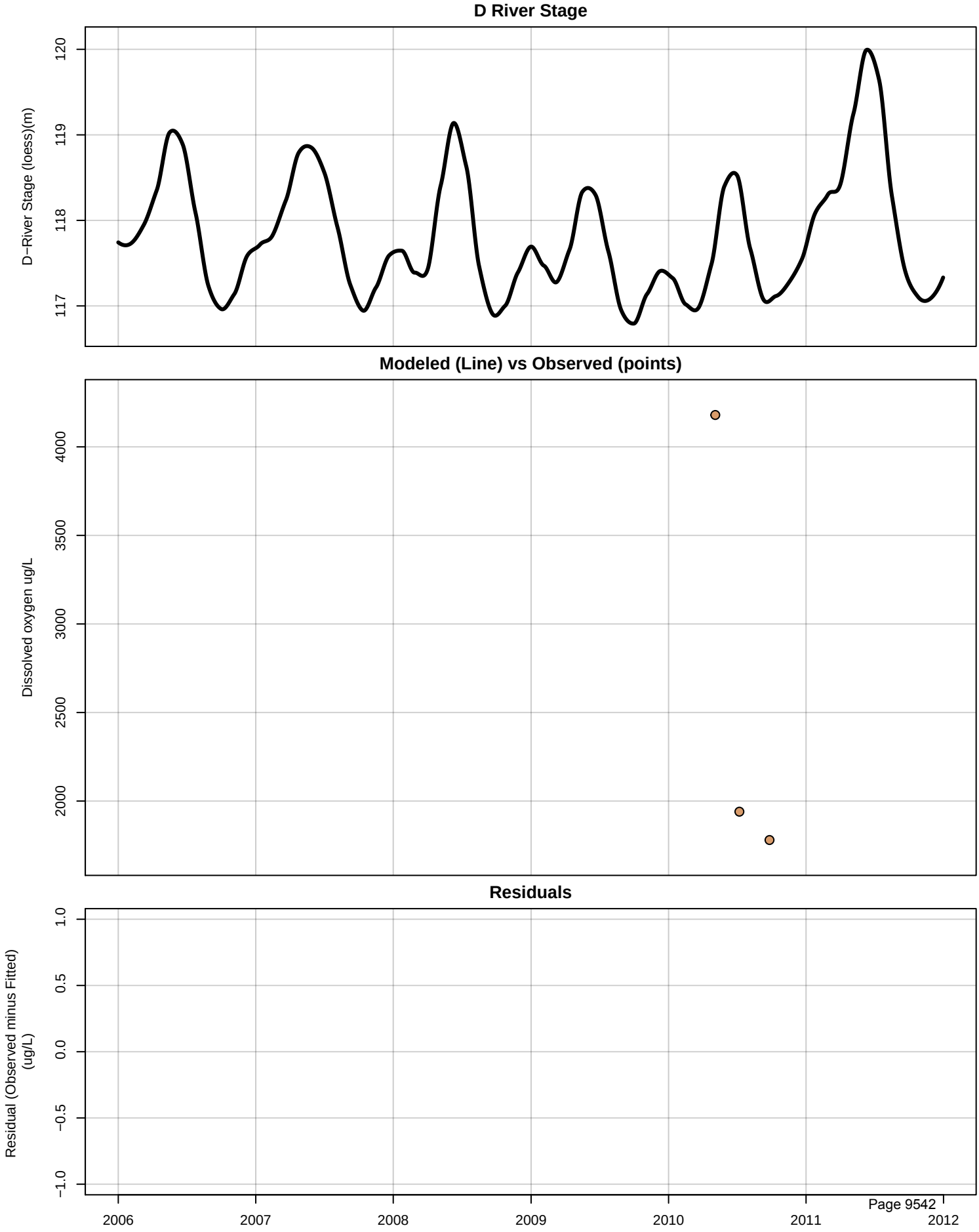
199−F7−2 (829m) Lag (81 Days)

Detect
Non−detect
Pre−Remedy
Post−Remedy



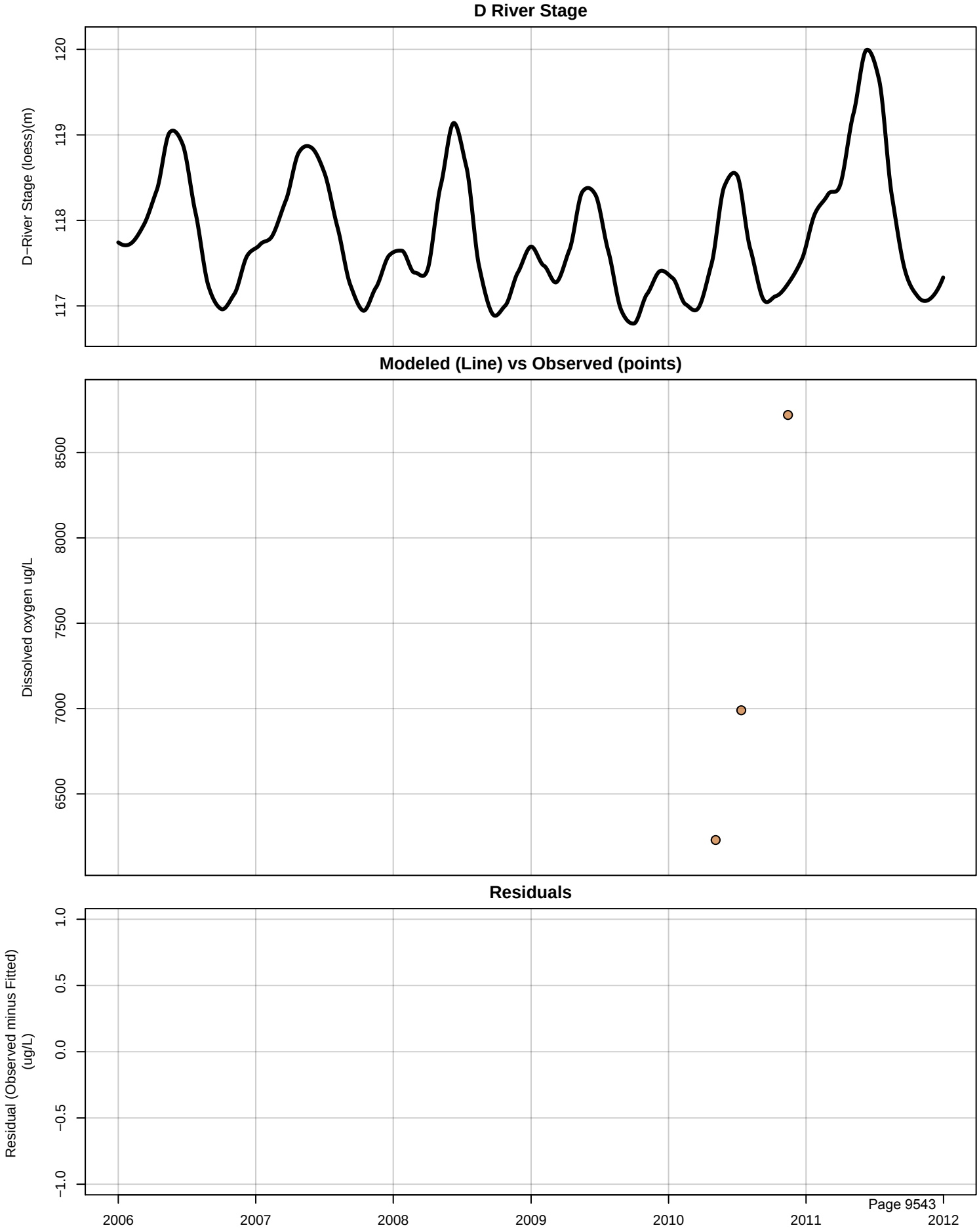
199−F7−3 (1468m) Lag (171 Days)

Detect
Non−detect
Pre−Remedy
Post−Remedy



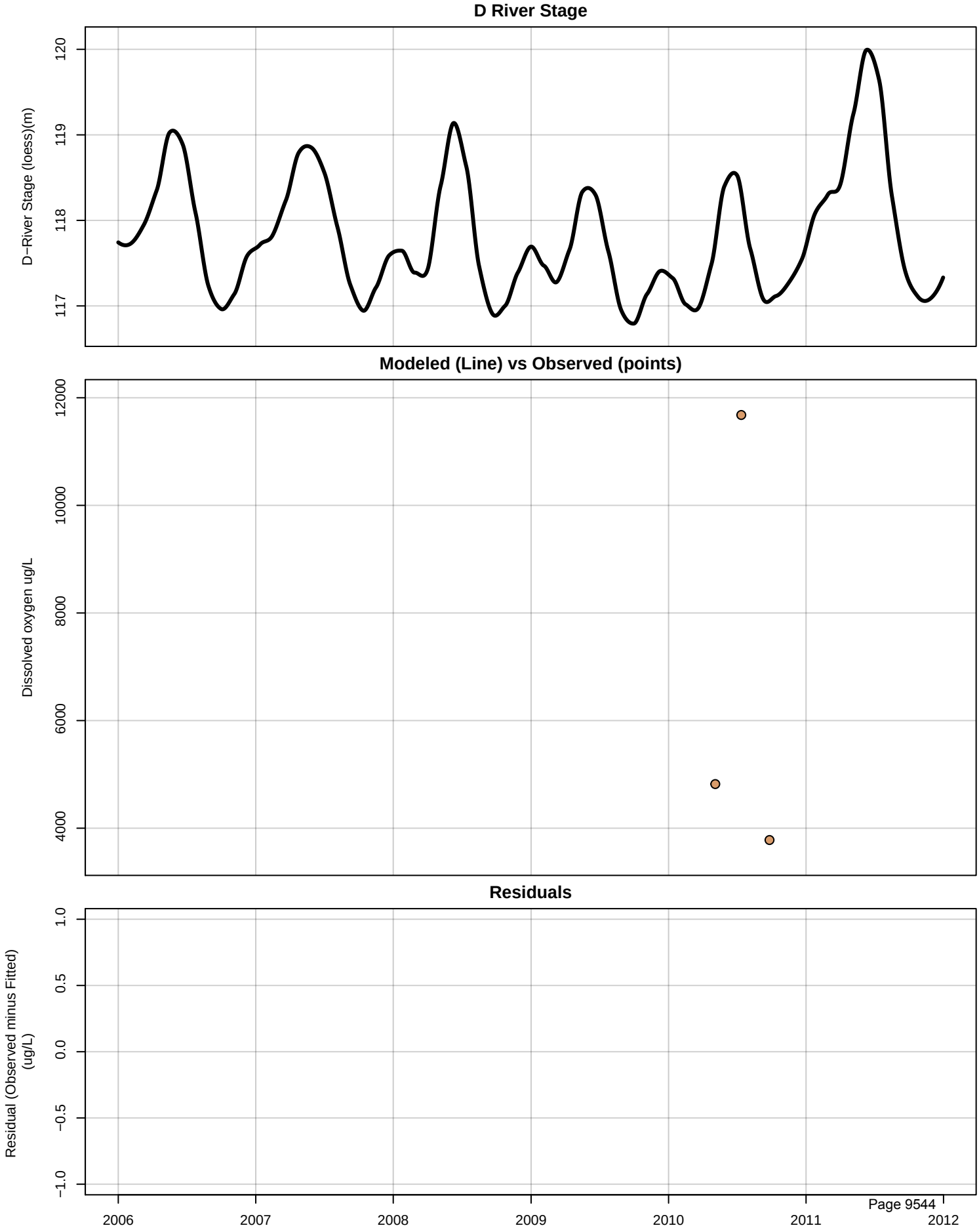
199−F8−2 (899m) Lag (Indeterminate)

Detect
Non−detect
Pre−Remedy
Post−Remedy



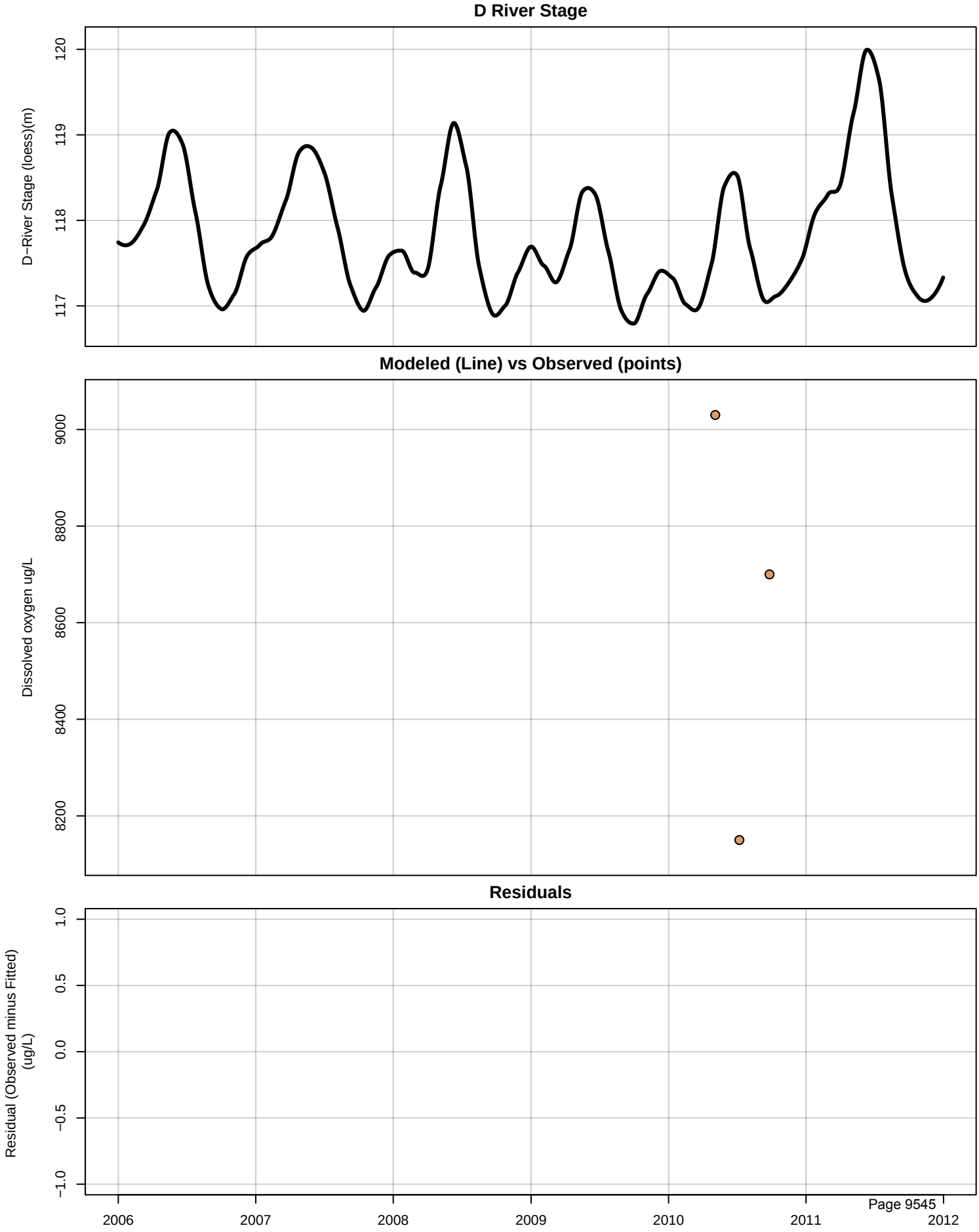
199−F8−3 (1141m) Lag (179 Days)

Detect
Non−detect
Pre−Remedy
Post−Remedy

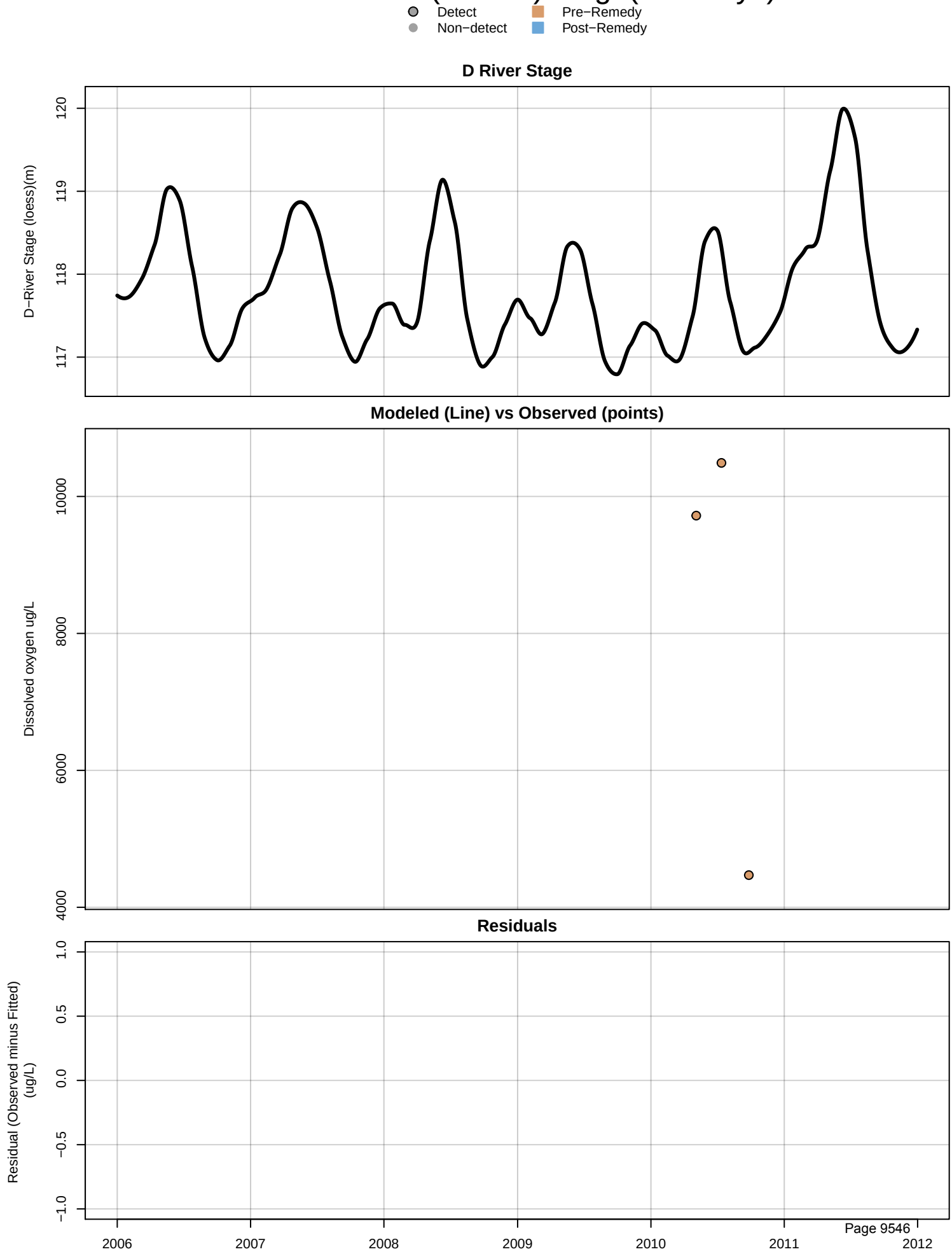


199−F8−4 (610m) Lag (72 Days)

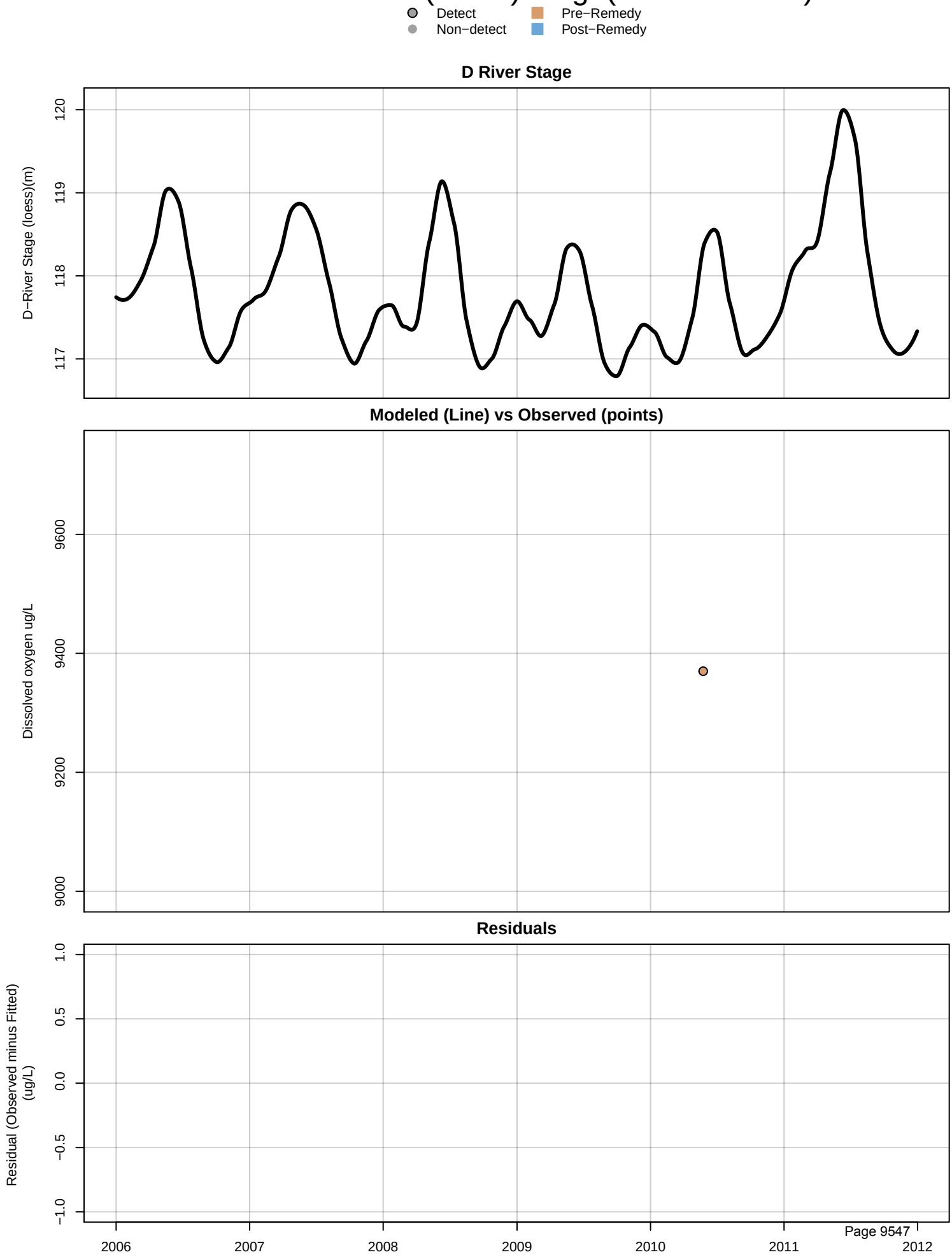
Detect
Non−detect
Pre−Remedy
Post−Remedy



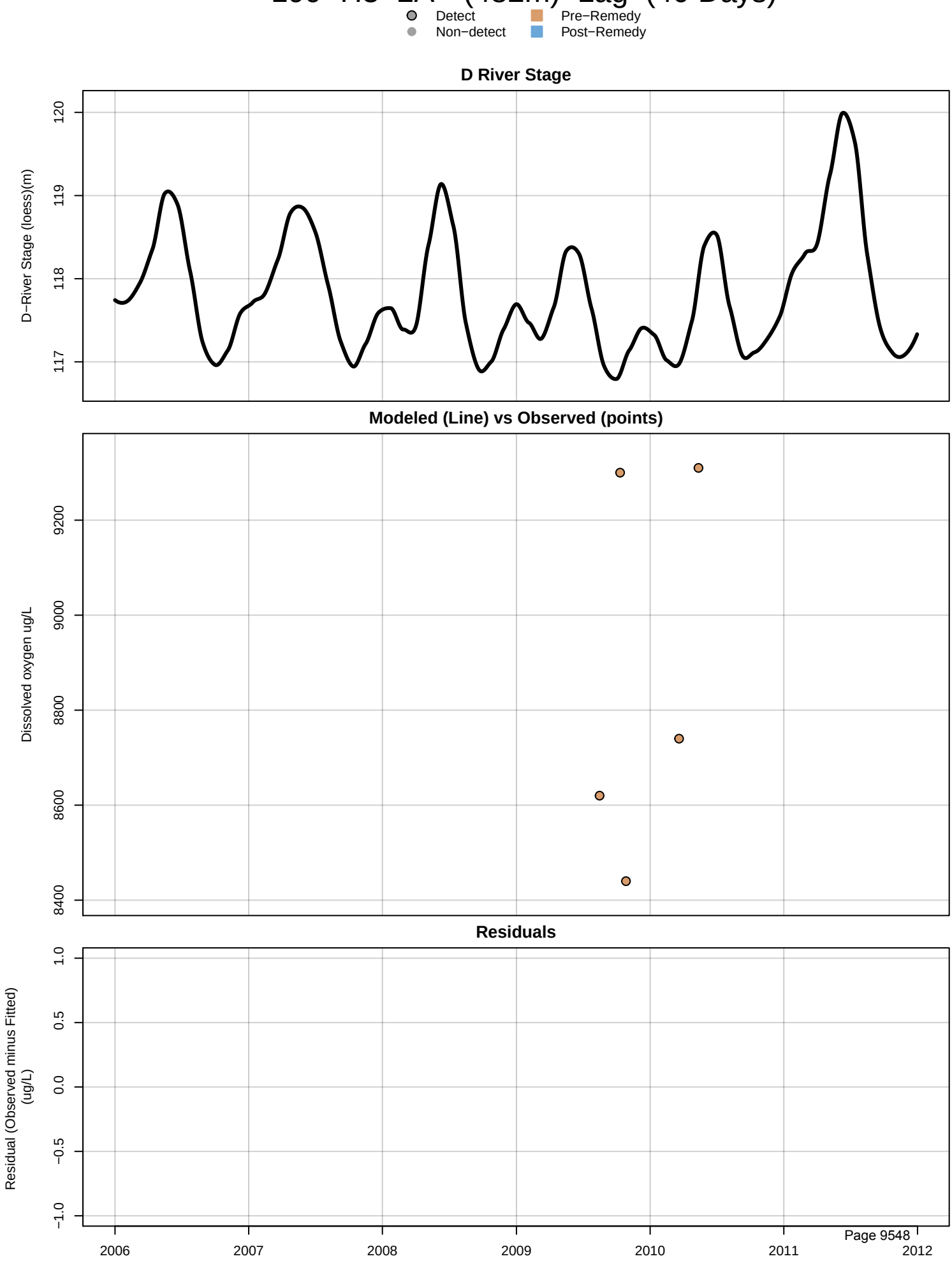
199−F8−7 (1258m) Lag (180 Days)



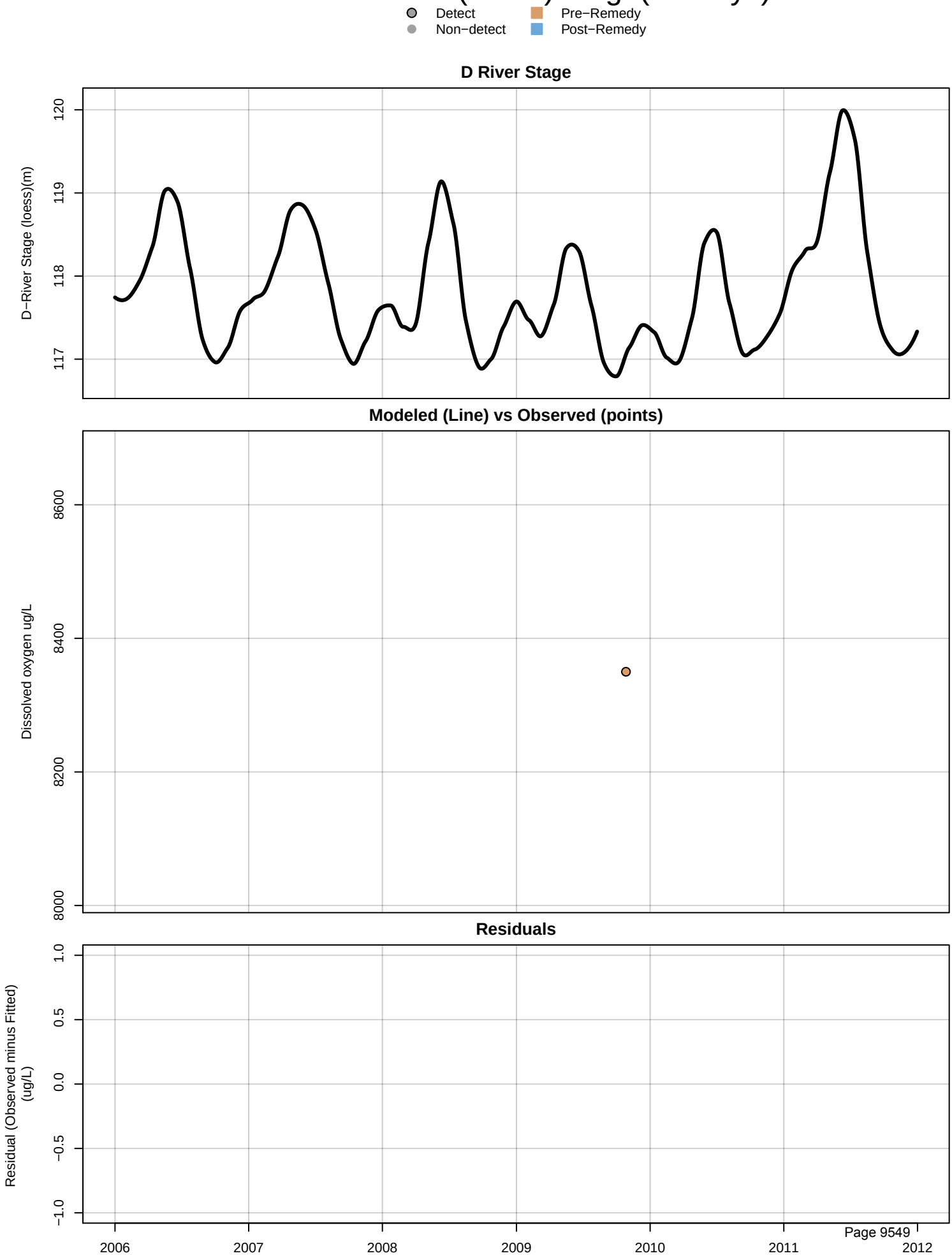
199−H1−27* (162m) Lag (Indeterminate)



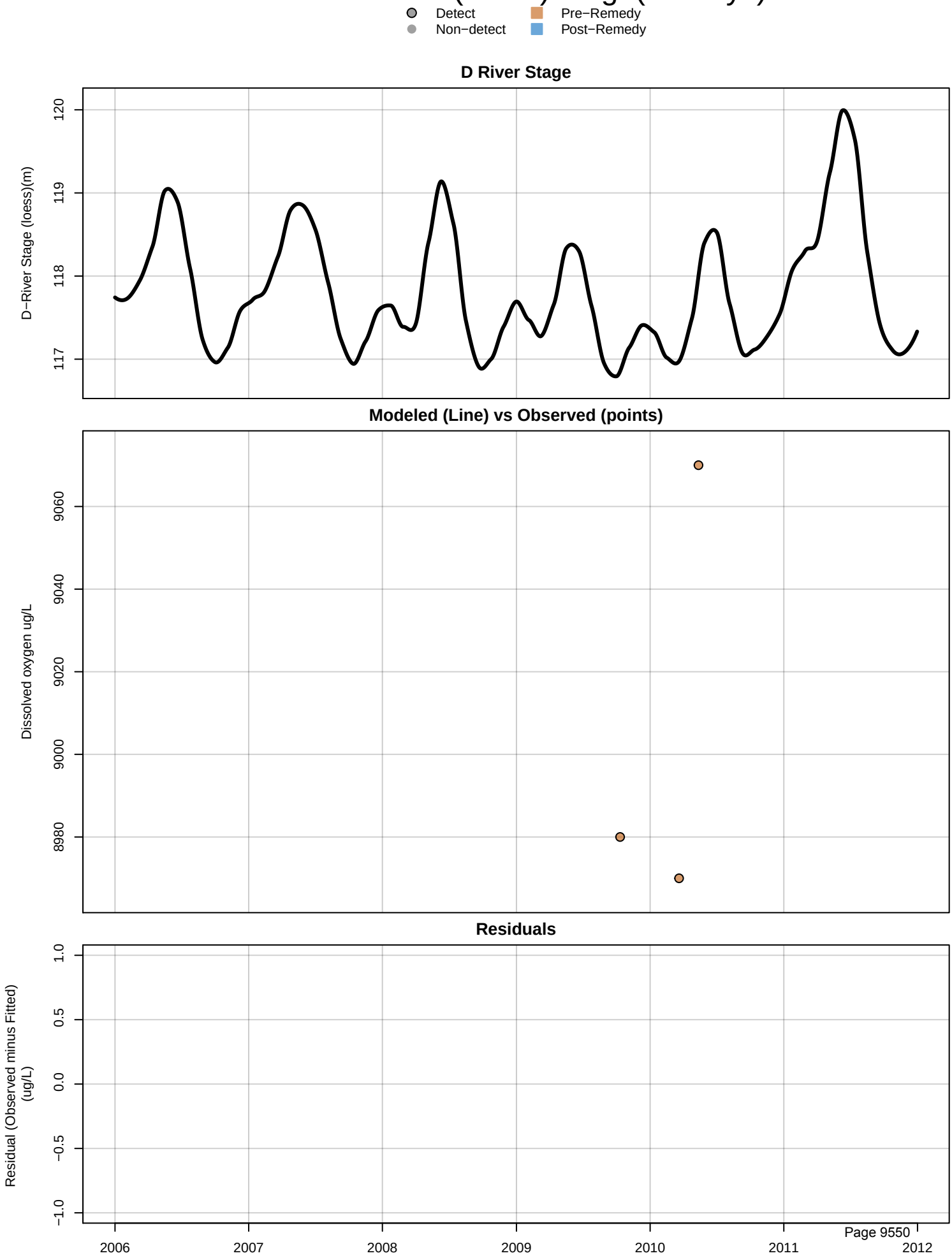
199−H3−2A* (482m) Lag (40 Days)



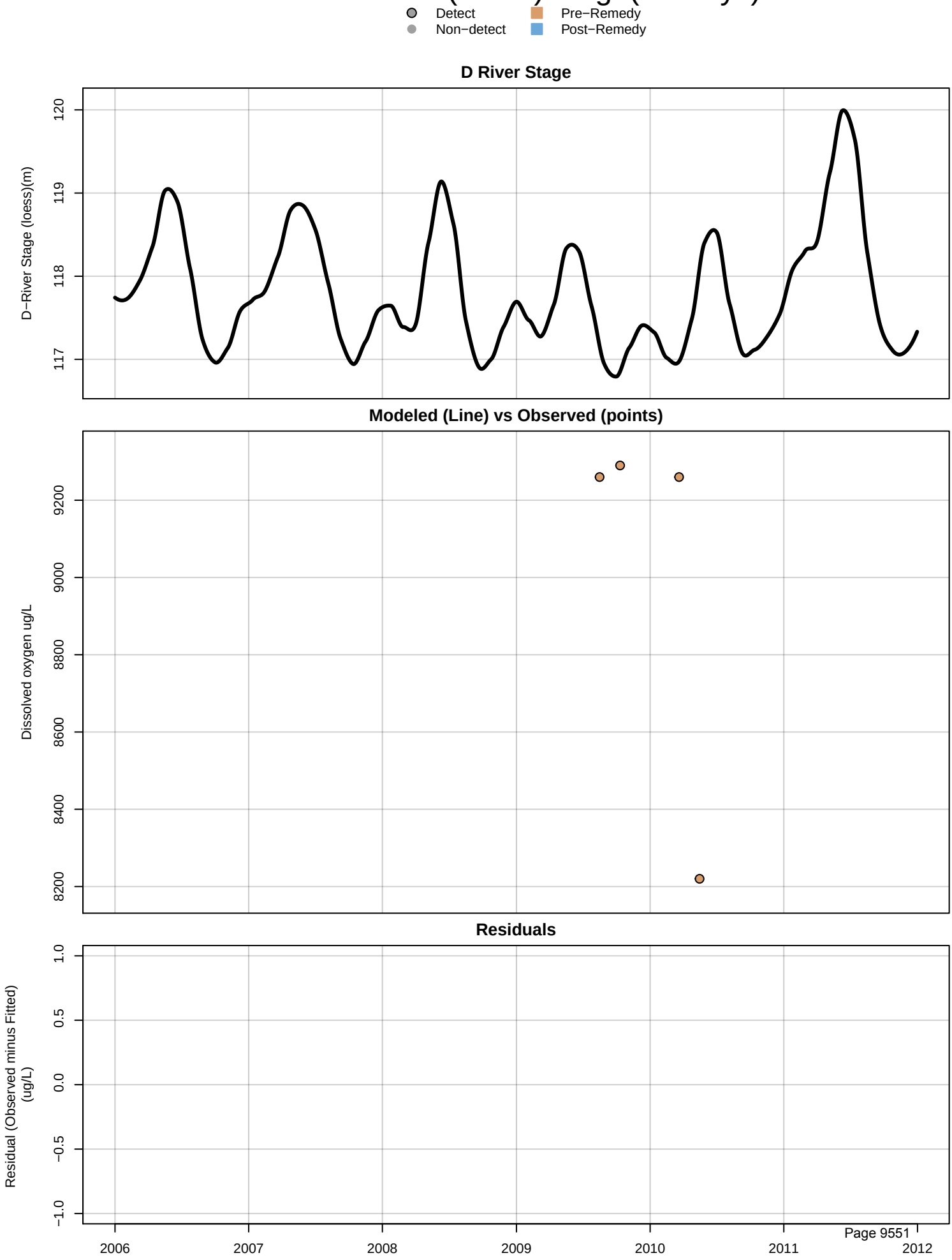
199−H3−2B (474m) Lag (37 Days)



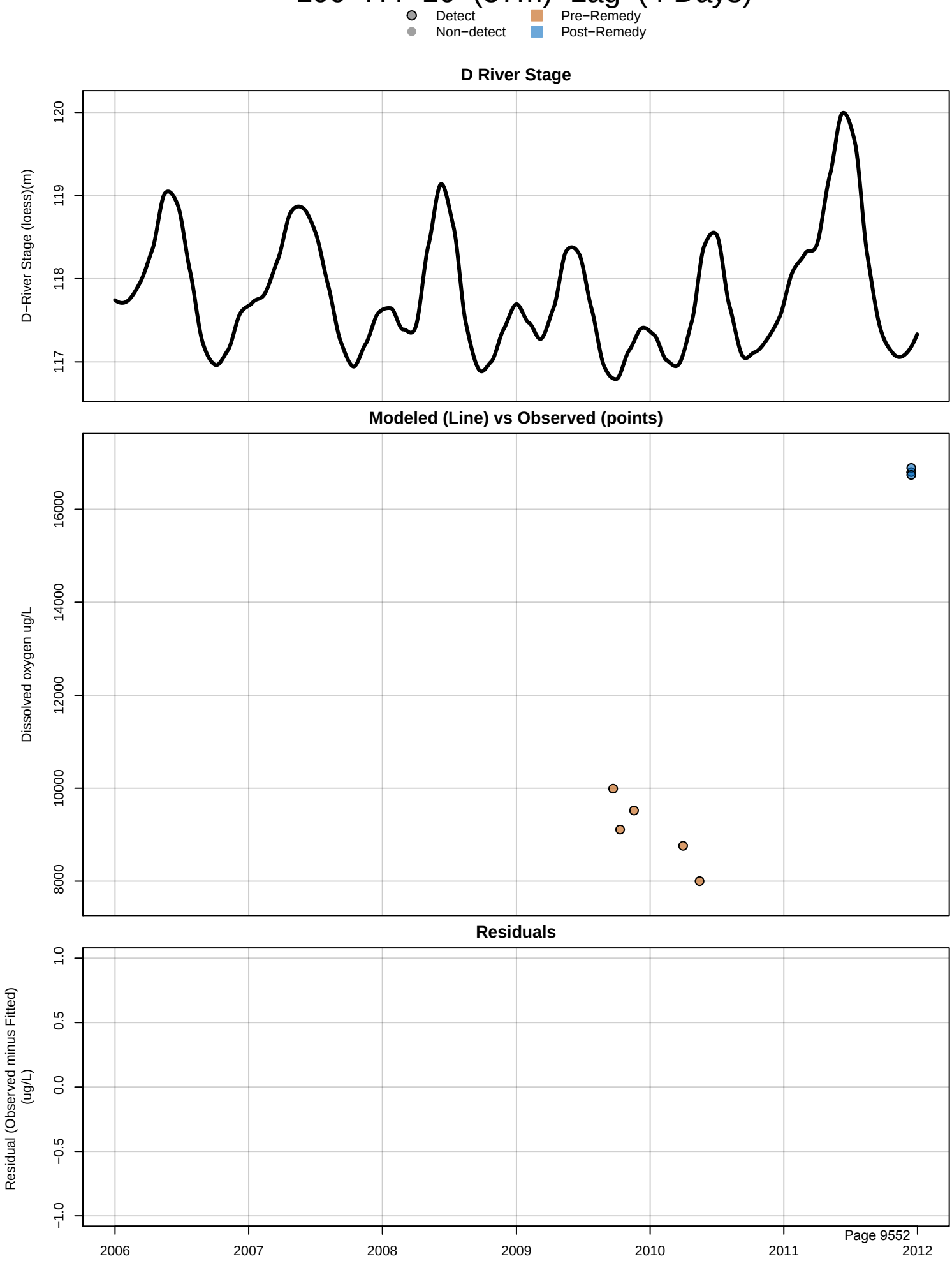
199−H3−4* (792m) Lag (82 Days)



199−H3−5 (874m) Lag (78 Days)

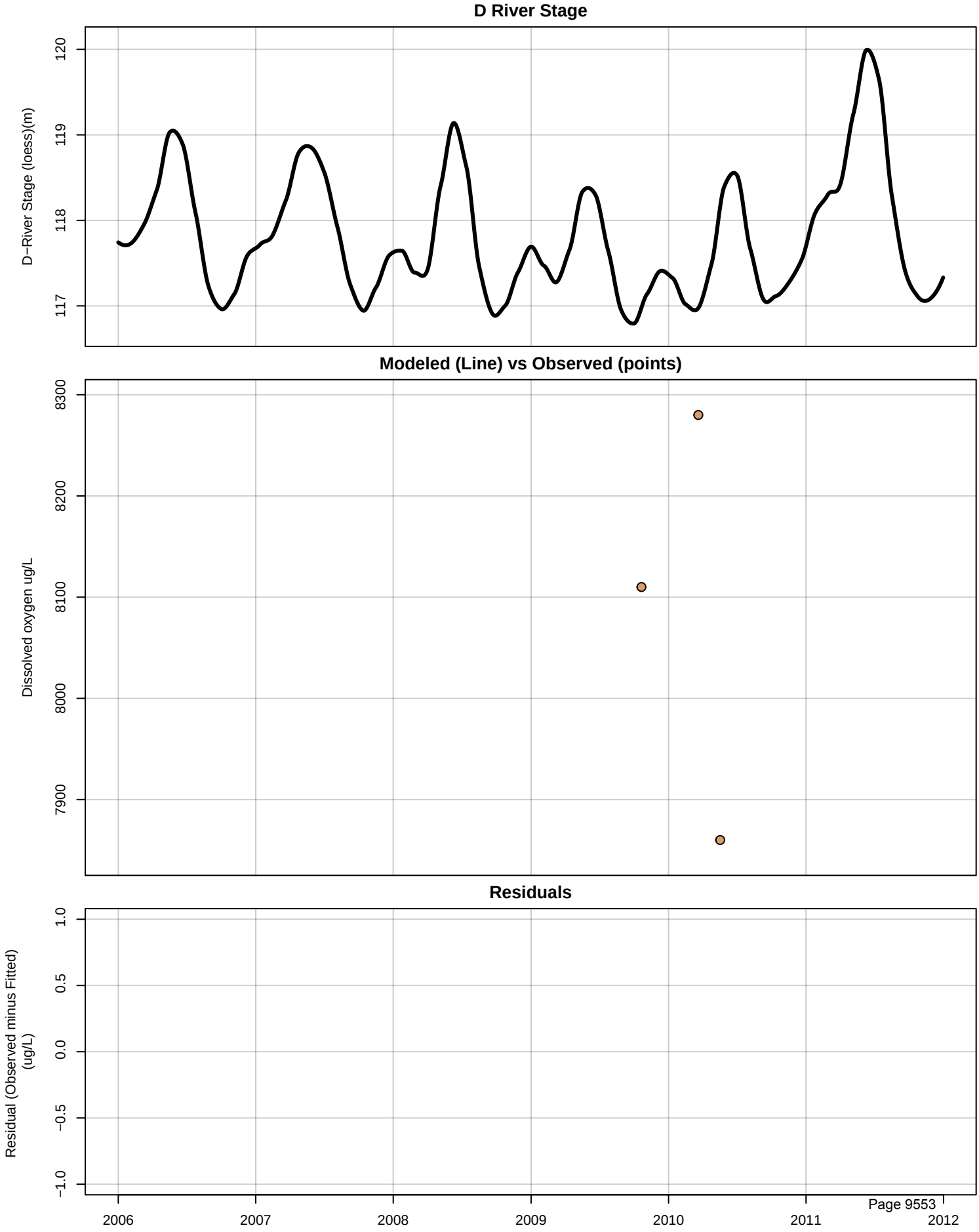


199−H4−10 (57m) Lag (4 Days)

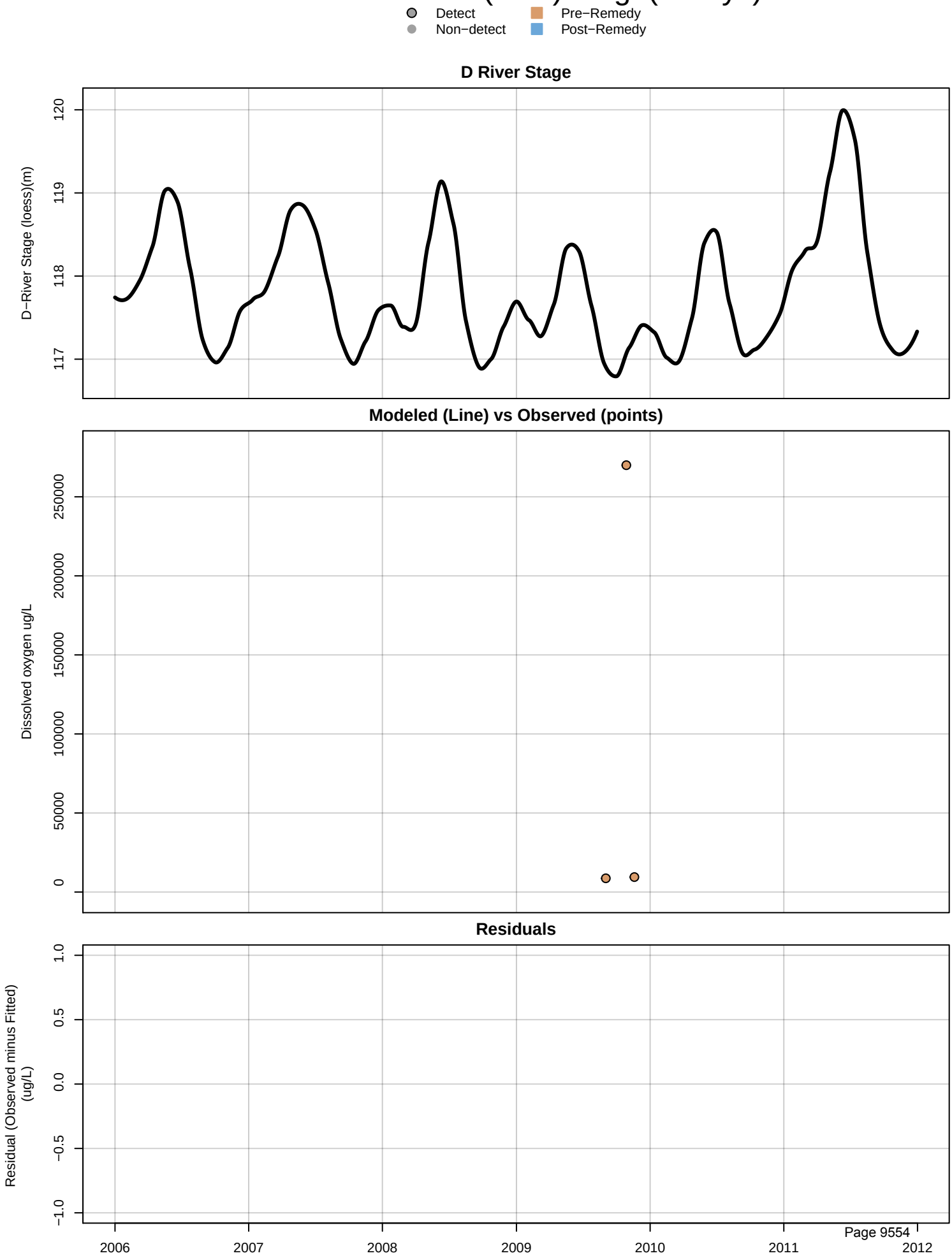


199−H4−11 (57m) Lag (0 Days)

Detect
Non−detect
Pre−Remedy
Post−Remedy

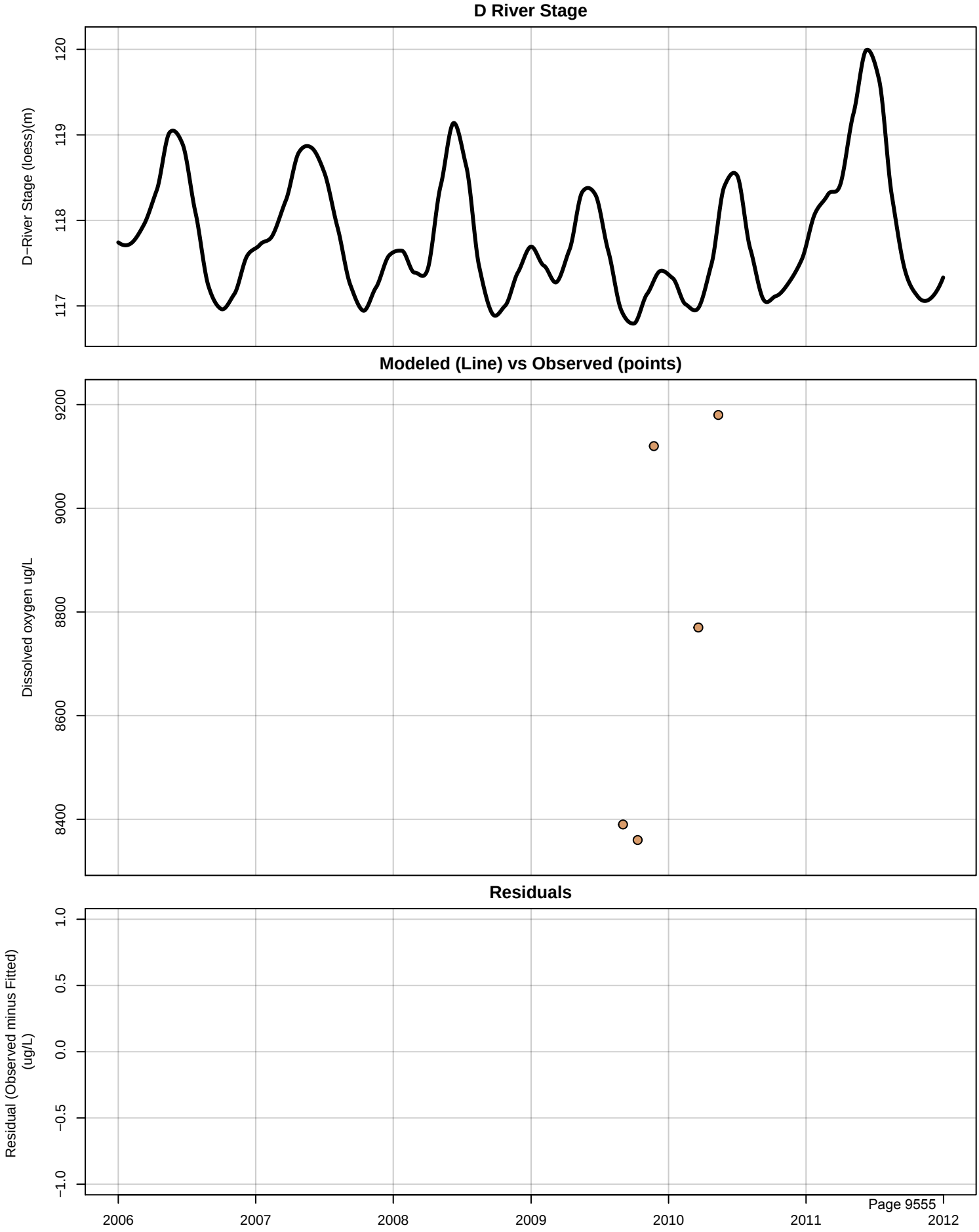


199−H4−12B (72m) Lag (9 Days)

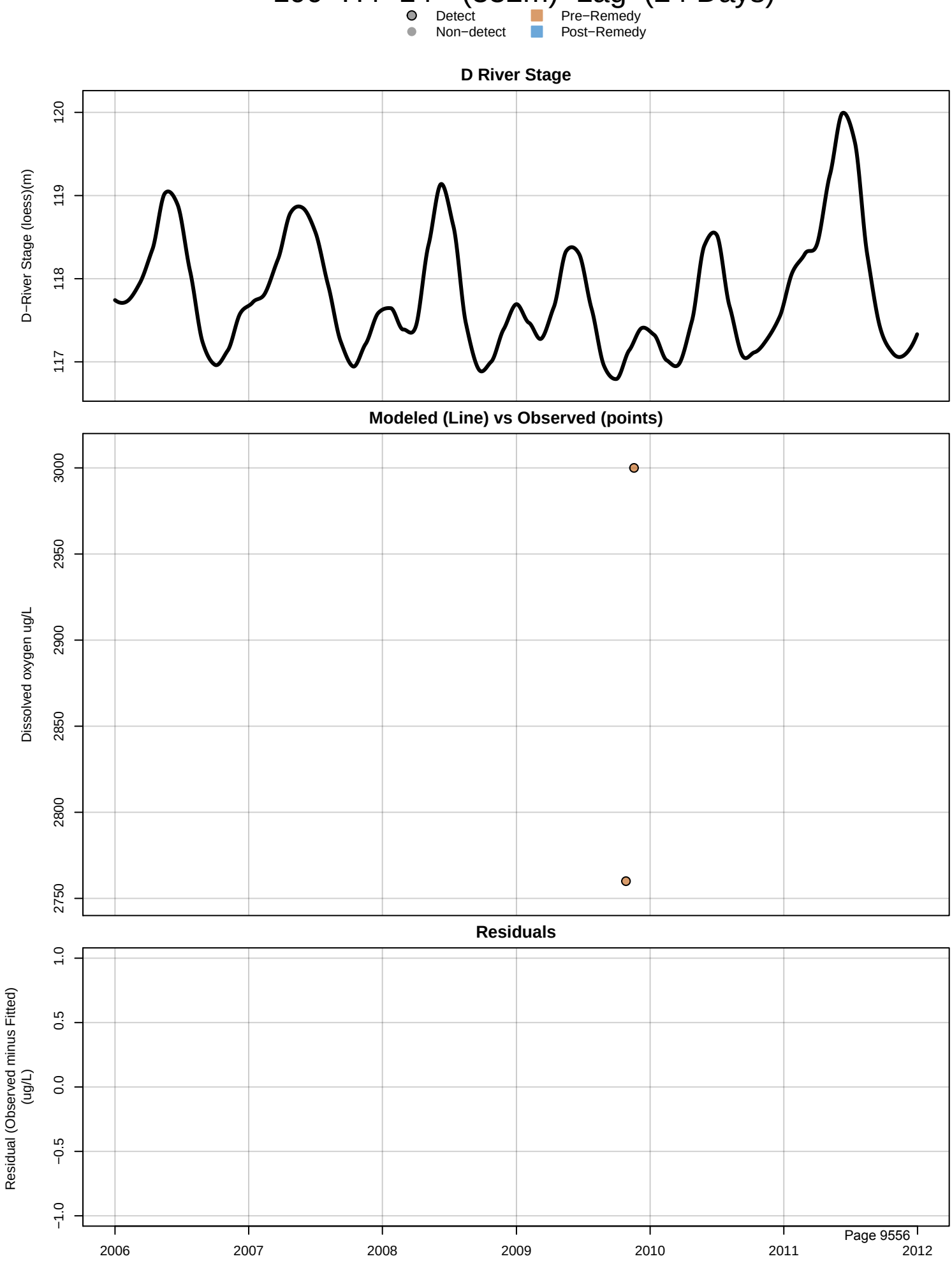


199−H4−13 (55m) Lag (4 Days)

Detect
Non−detect
Pre−Remedy
Post−Remedy

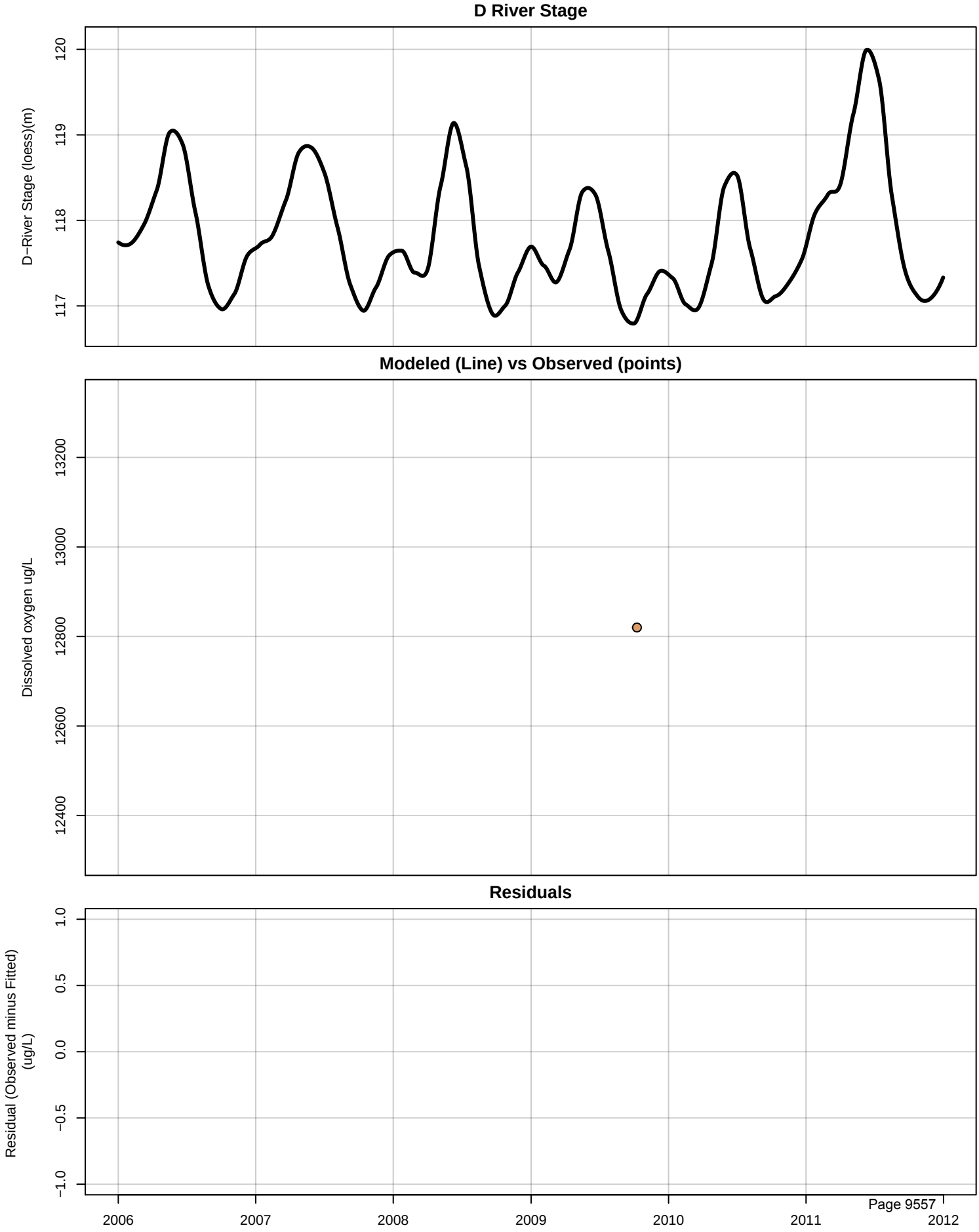


199−H4−14* (332m) Lag (24 Days)

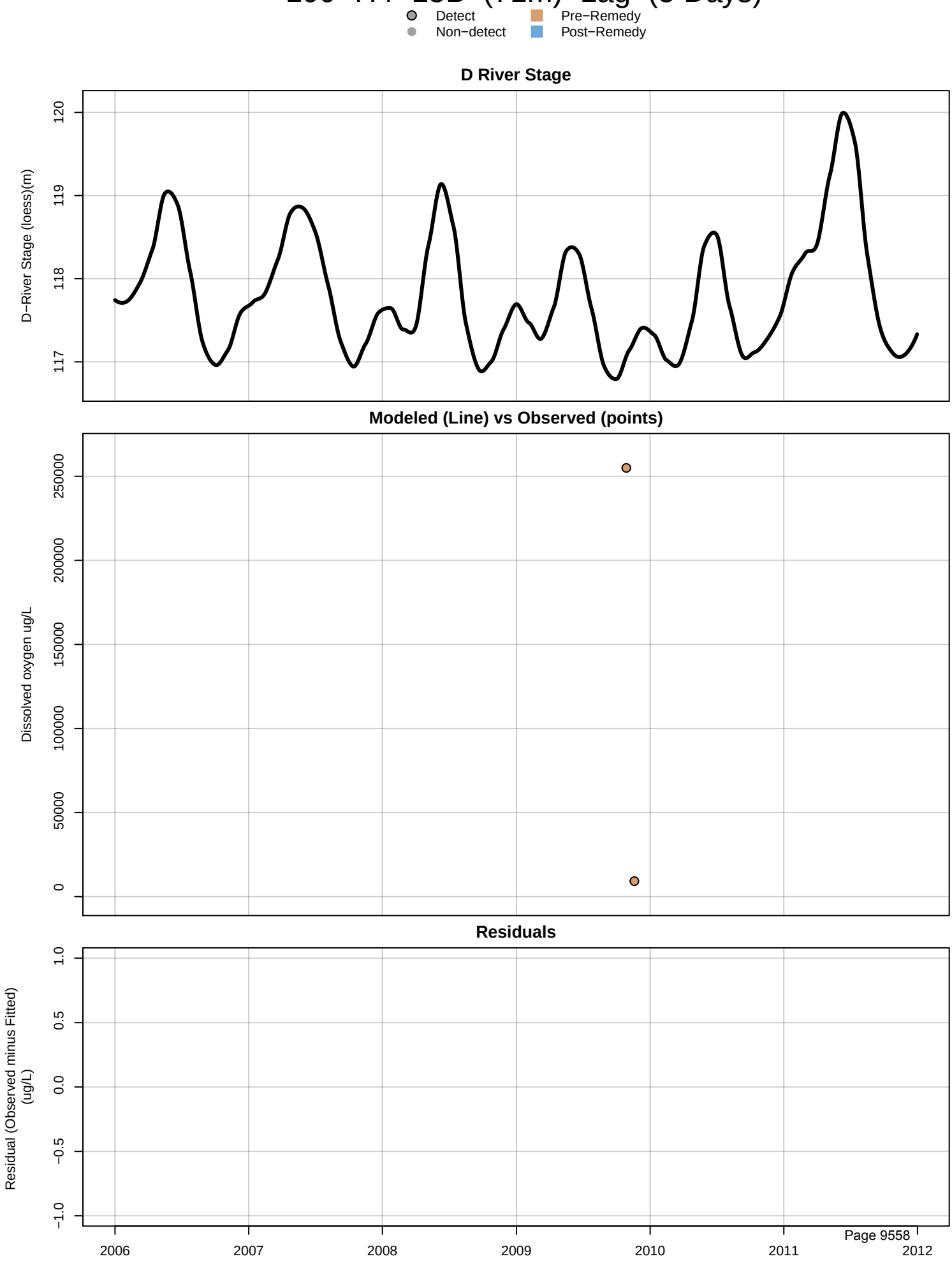


199−H4−15A* (71m) Lag (4 Days)

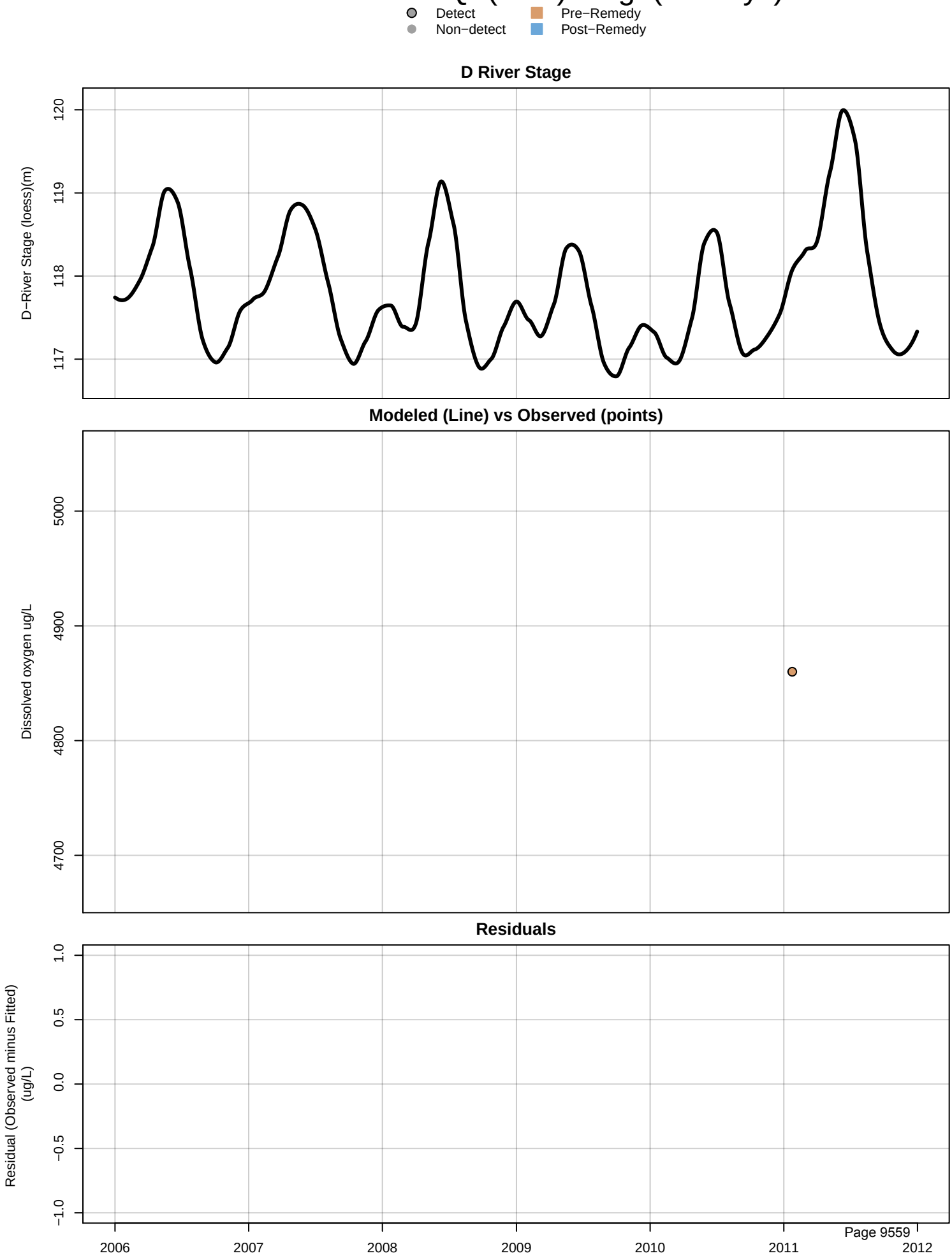
Detect
Non−detect
Pre−Remedy
Post−Remedy



199−H4−15B (71m) Lag (5 Days)

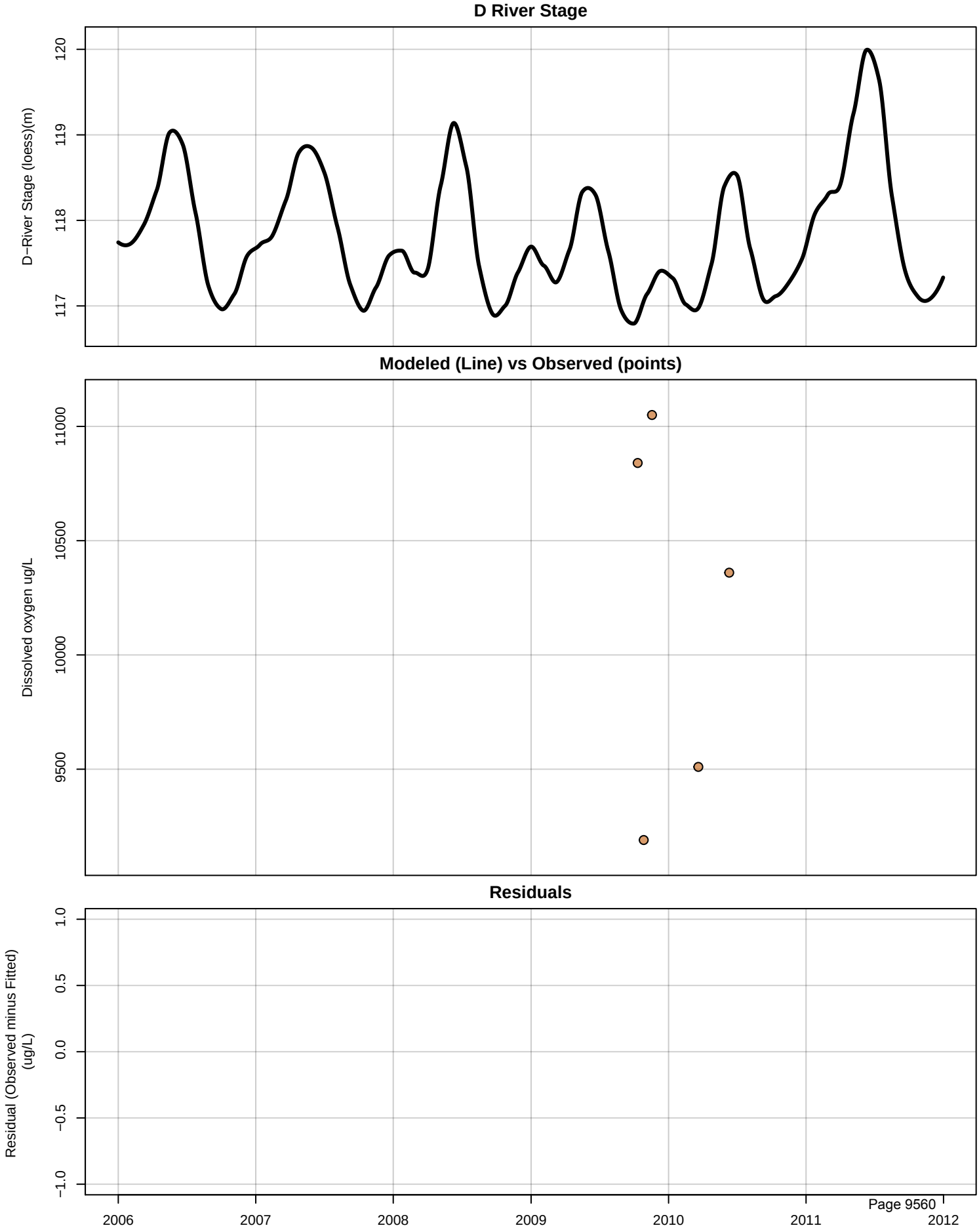


199−H4−15CQ (64m) Lag (79 Days)

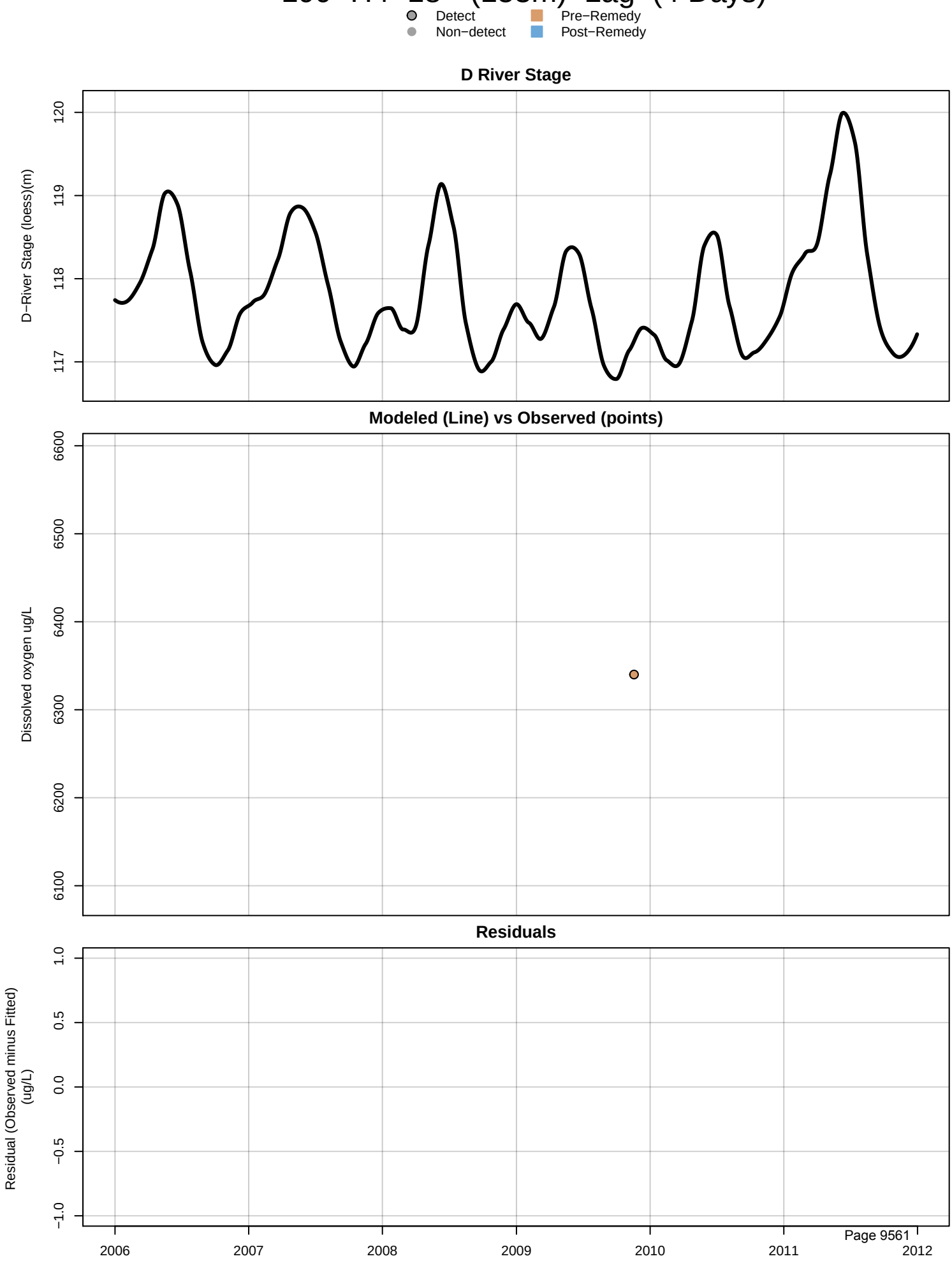


199−H4−16 (266m) Lag (40 Days)

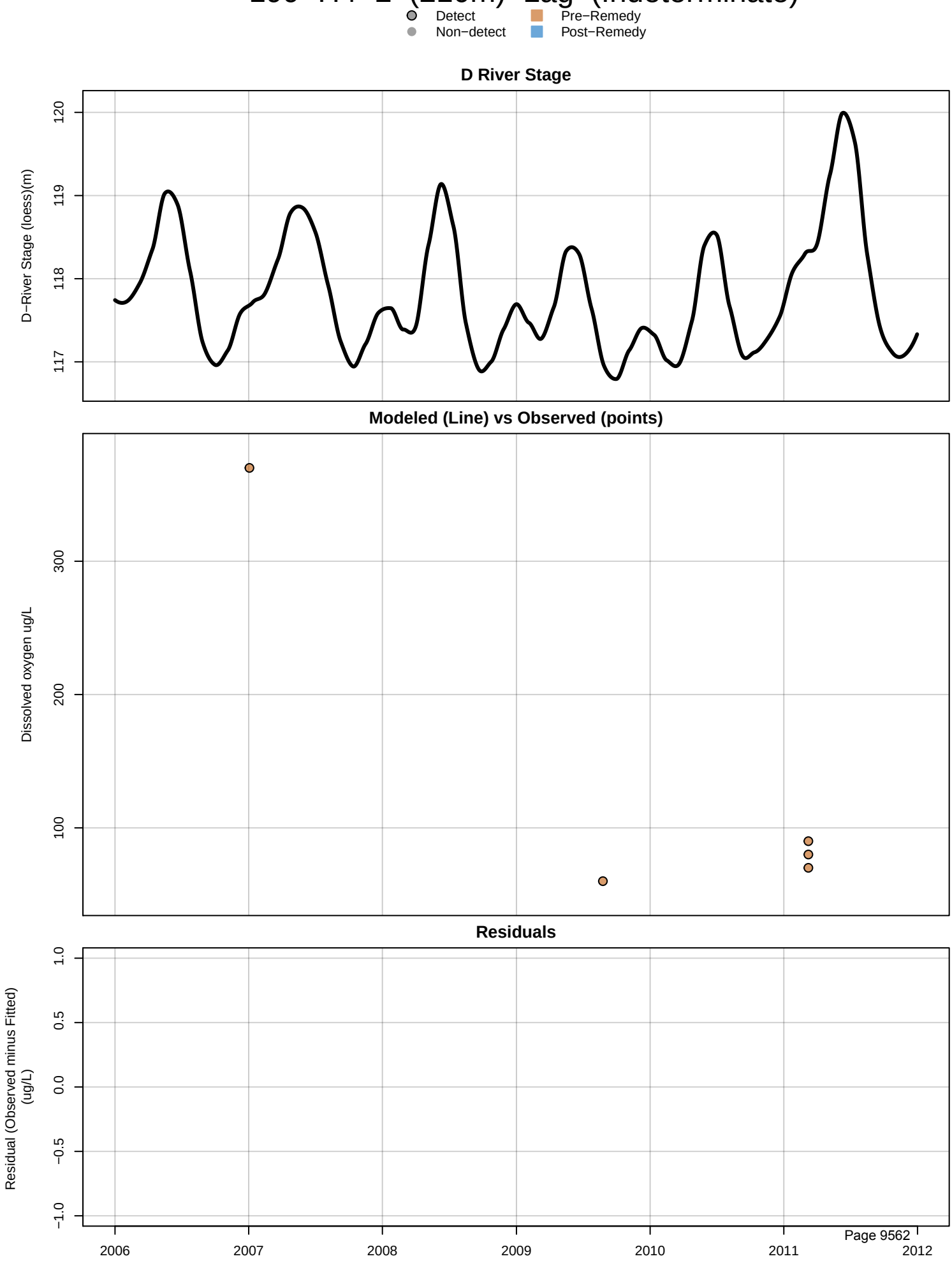
Detect
Non−detect
Pre−Remedy
Post−Remedy



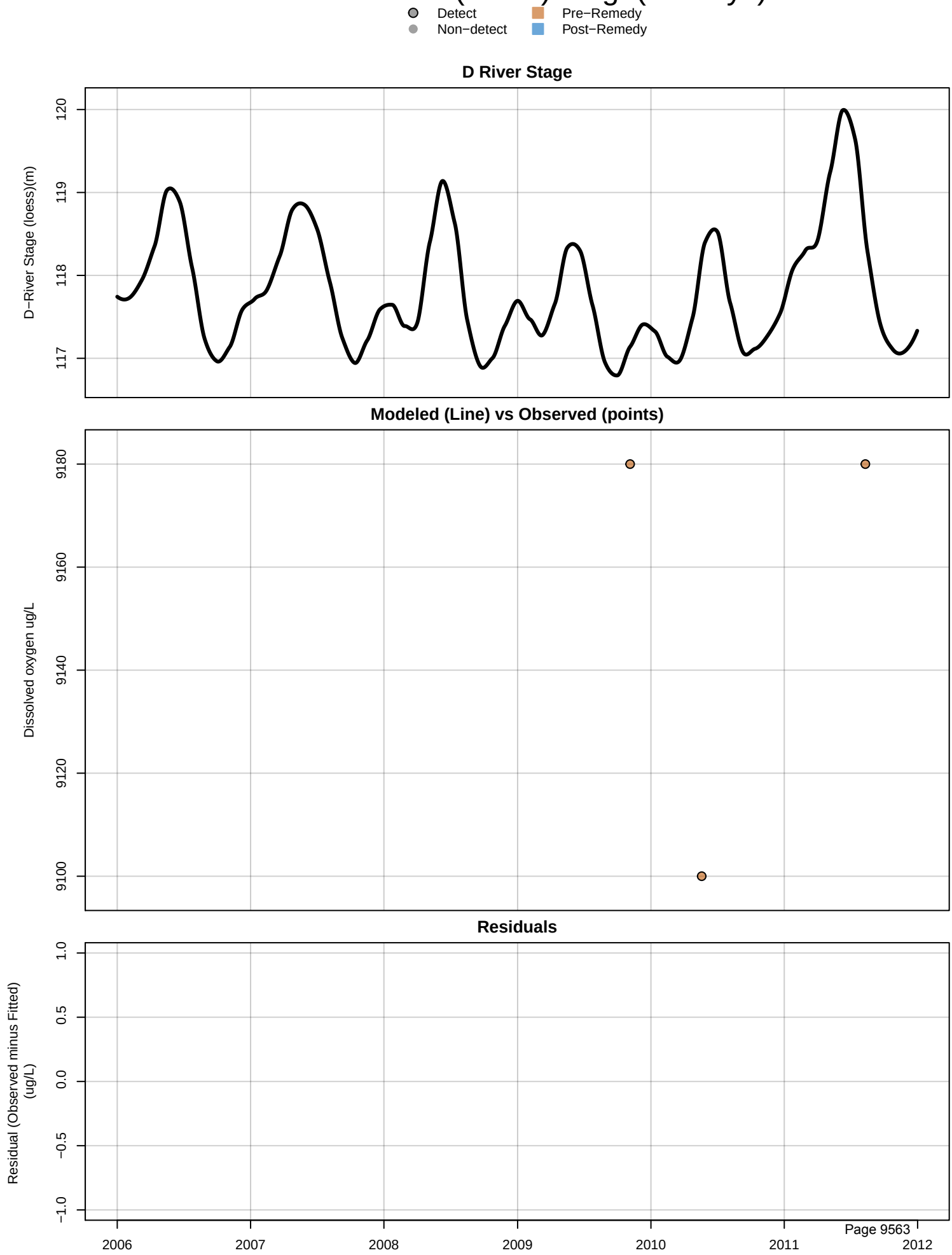
199−H4−18* (153m) Lag (4 Days)



199−H4−2 (210m) Lag (Indeterminate)

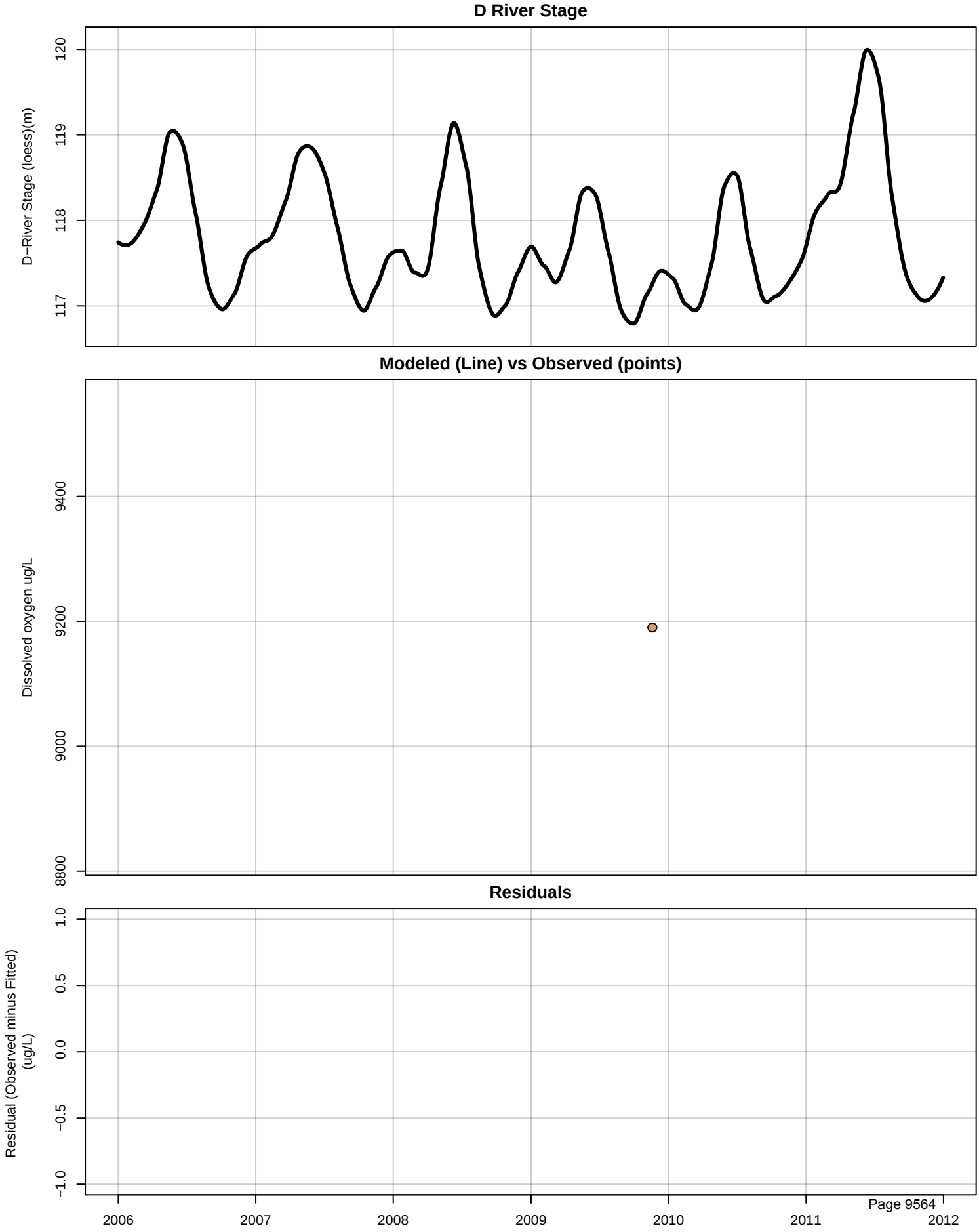


199−H4−3* (159m) Lag (14 Days)



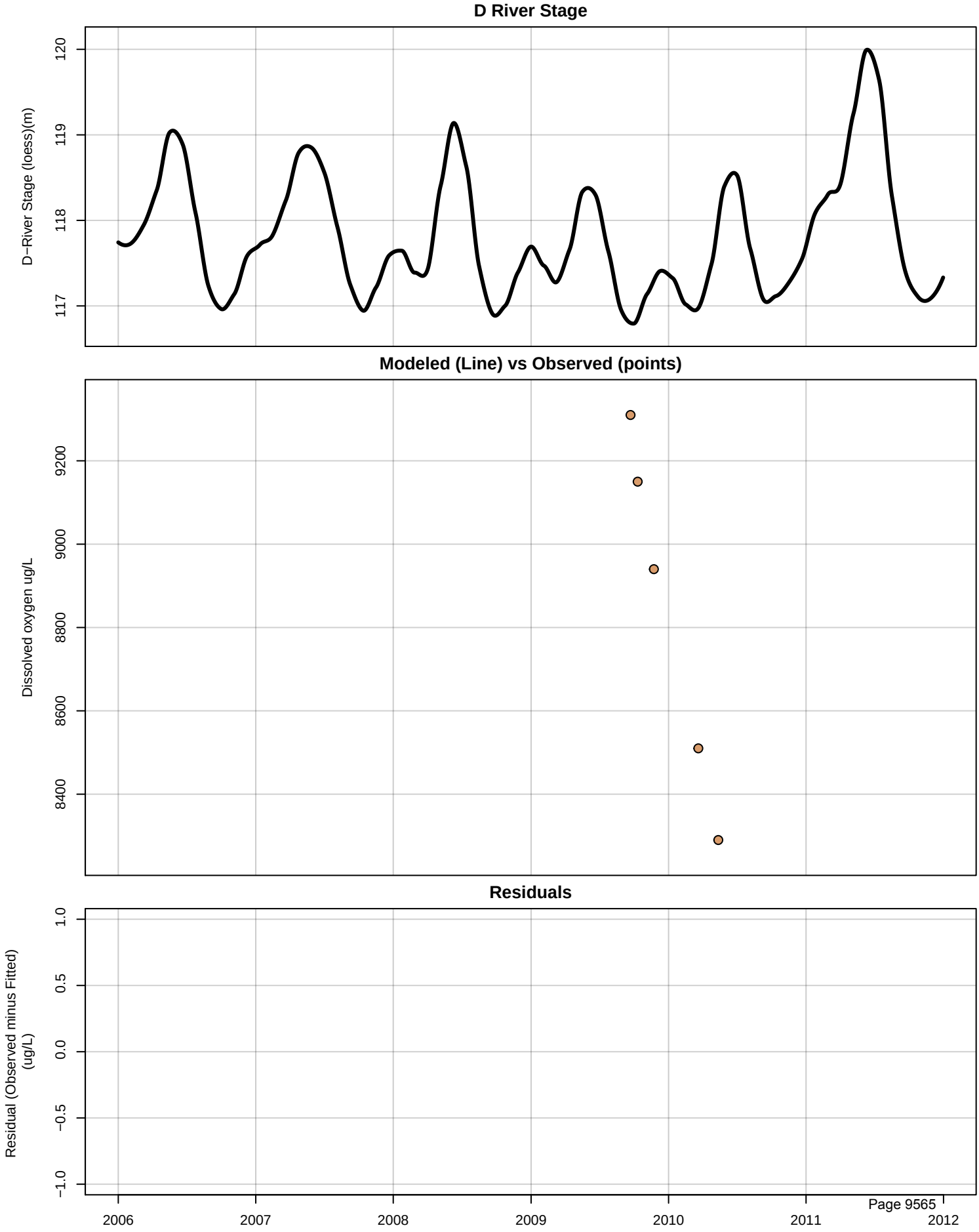
199−H4−4* (63m) Lag (0 Days)

Detect
Non−detect
Pre−Remedy
Post−Remedy



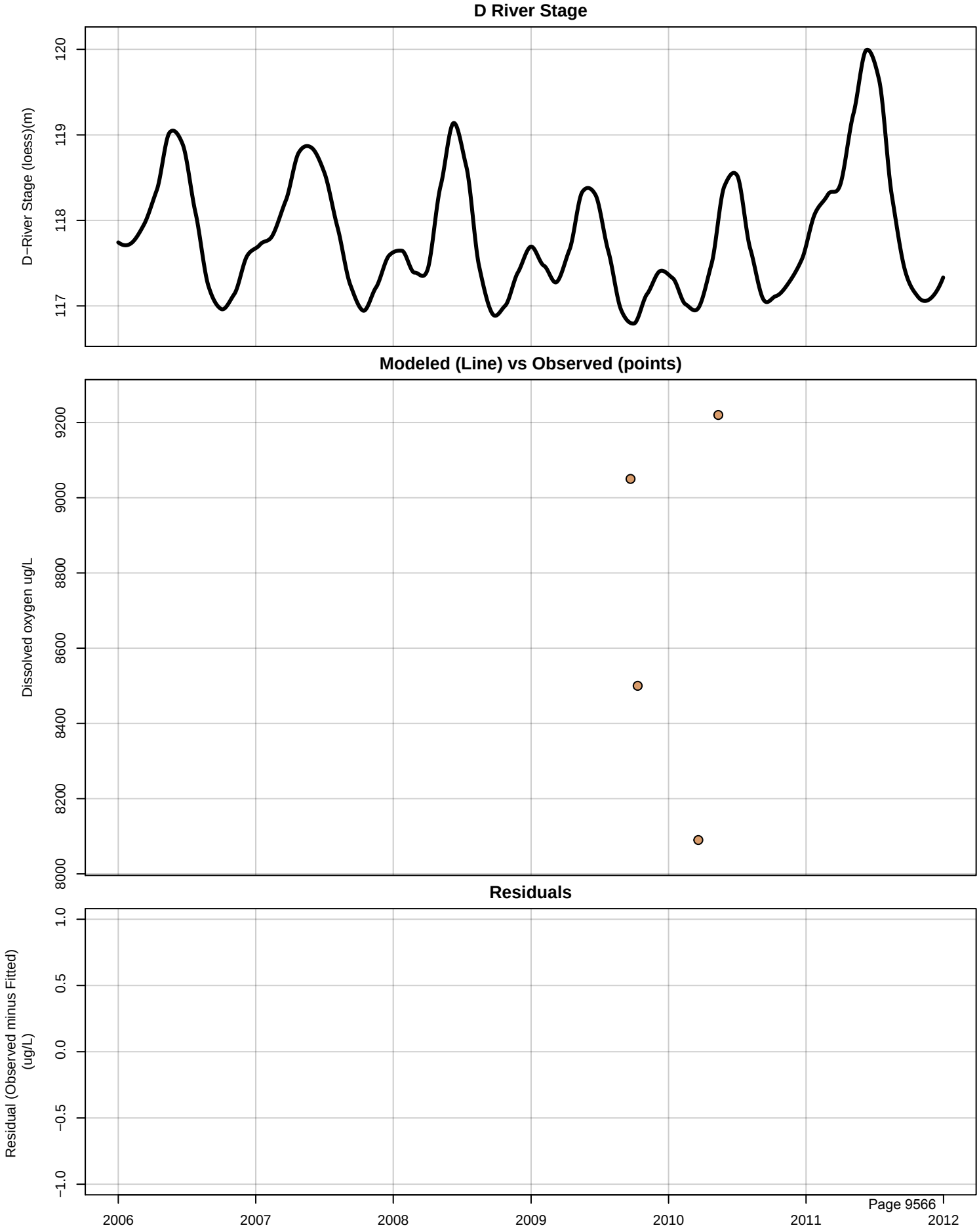
199−H4−45 (194m) Lag (31 Days)

Detect
Non−detect
Pre−Remedy
Post−Remedy

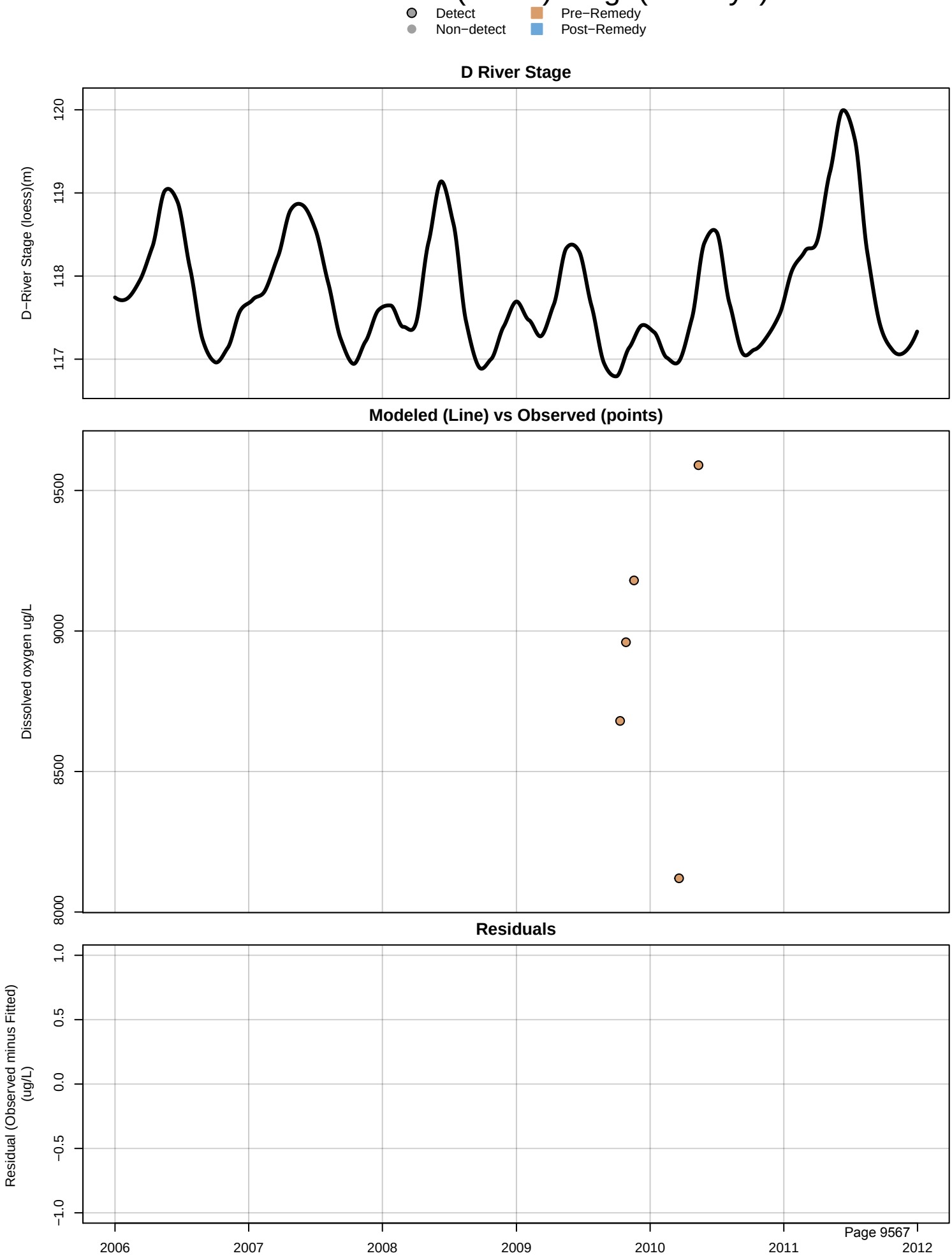


199−H4−46 (423m) Lag (49 Days)

Detect
Non−detect
Pre−Remedy
Post−Remedy

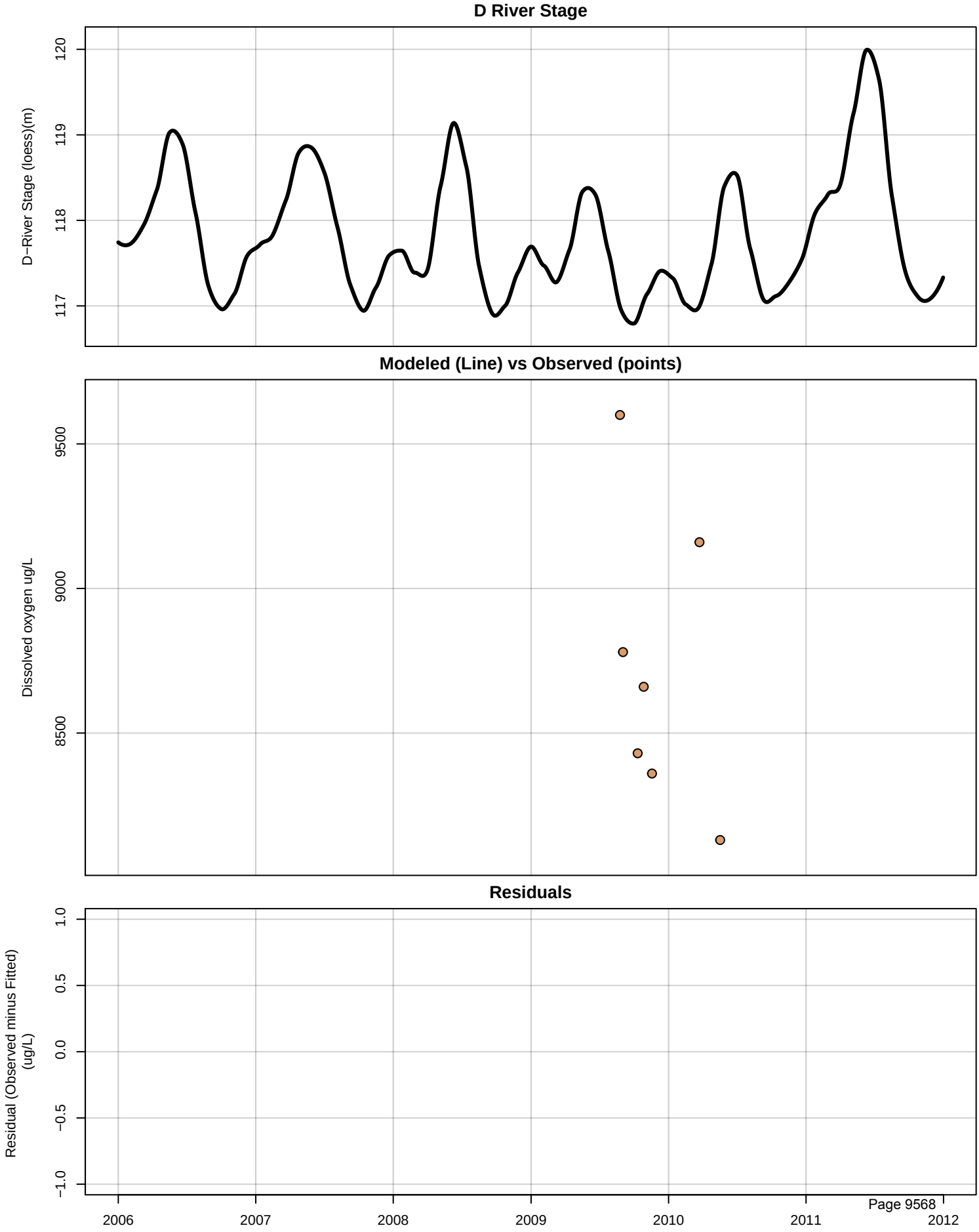


199−H4−48 (415m) Lag (49 Days)

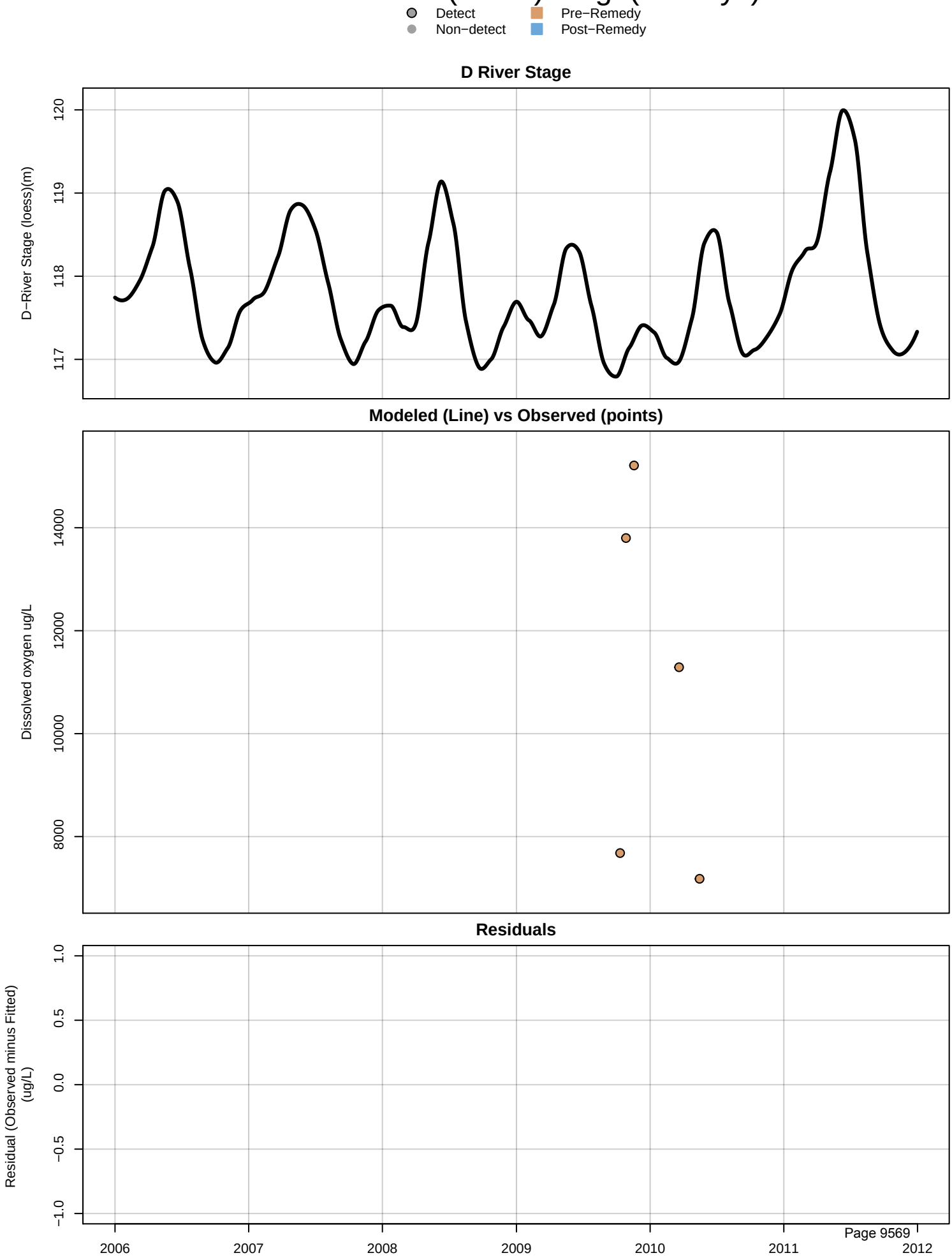


199−H4−5 (111m) Lag (7 Days)

Detect
Non−detect
Pre−Remedy
Post−Remedy

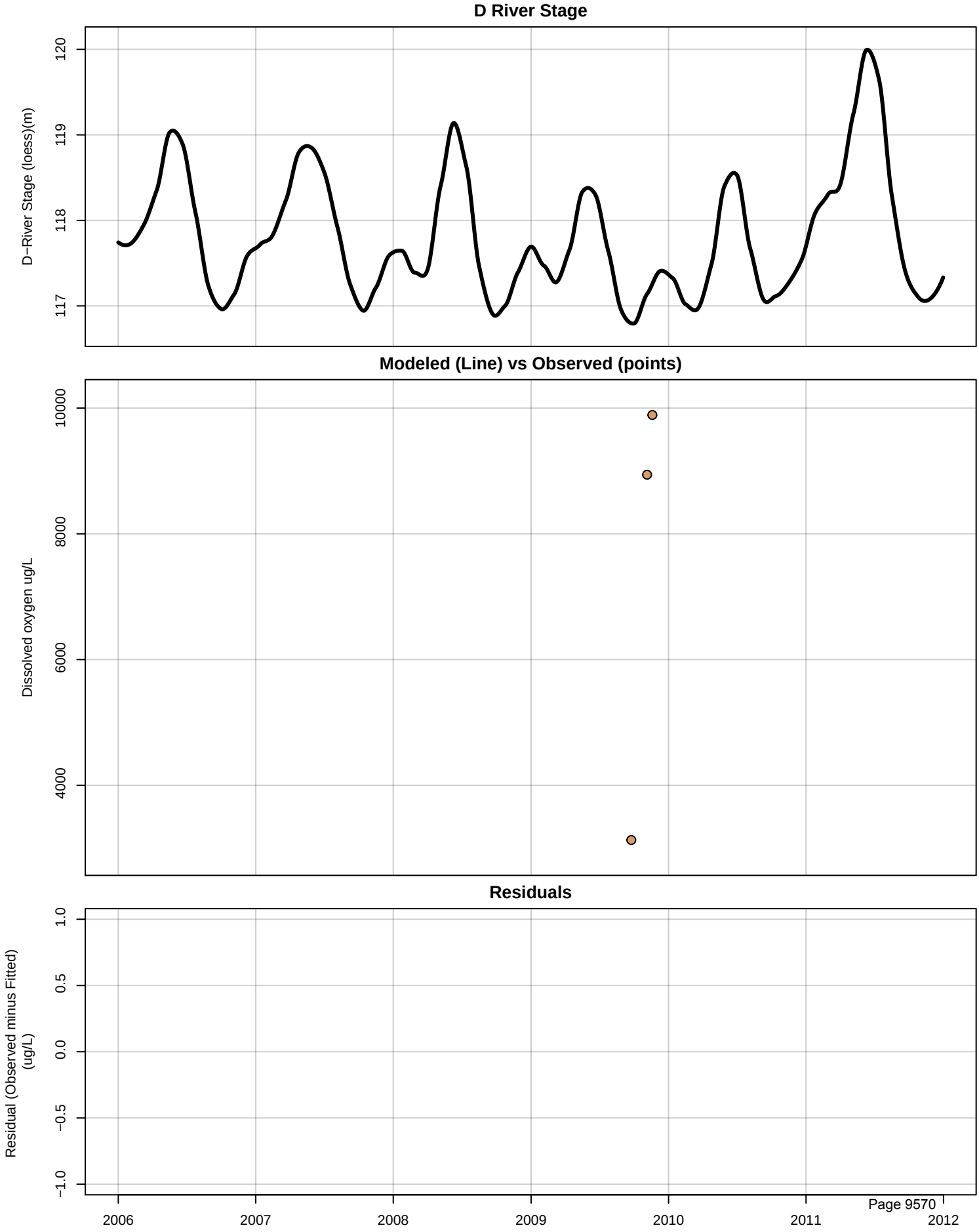


199−H4−6 (417m) Lag (40 Days)



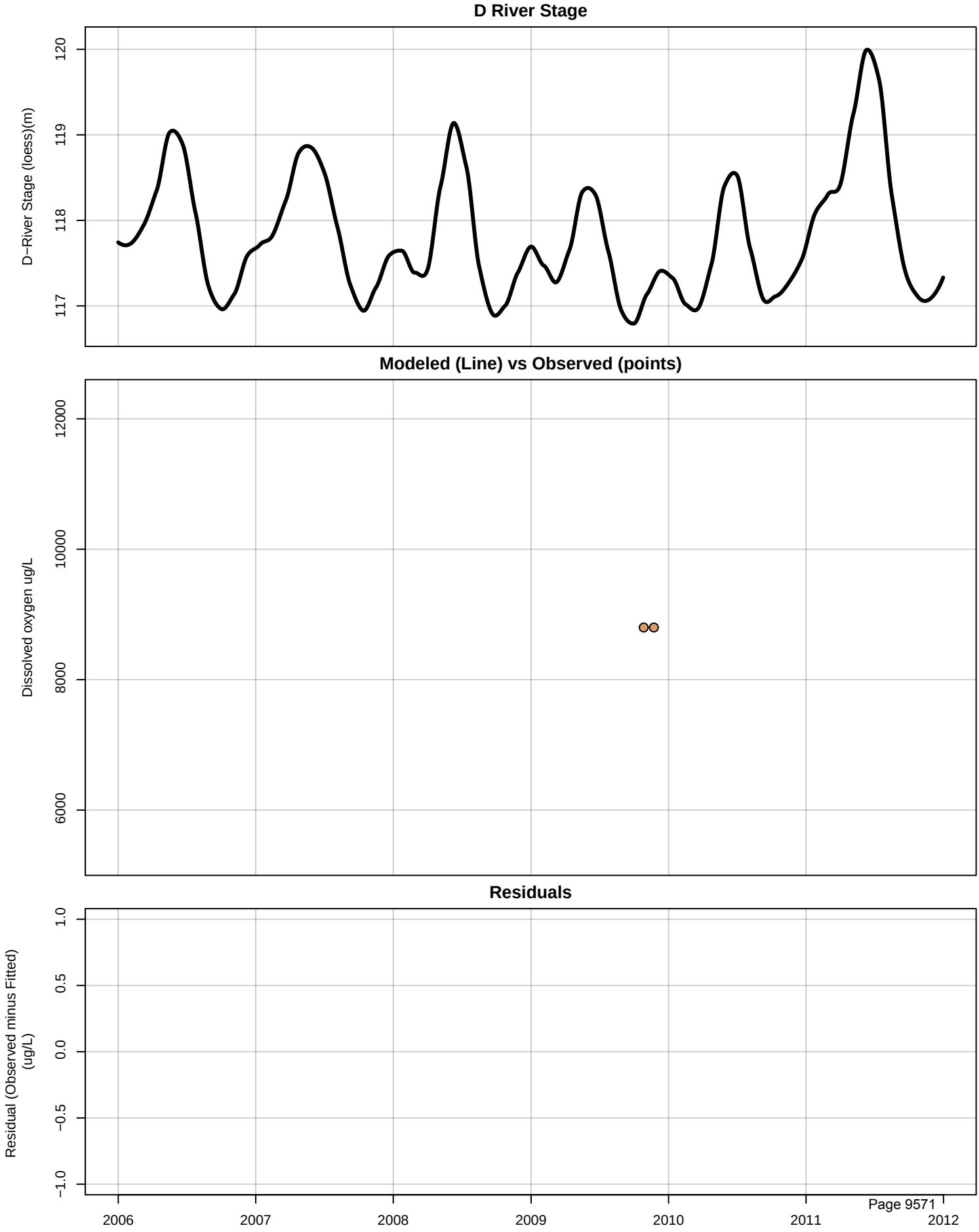
199−H4−63* (52m) Lag (4 Days)

Detect
Non−detect
Pre−Remedy
Post−Remedy



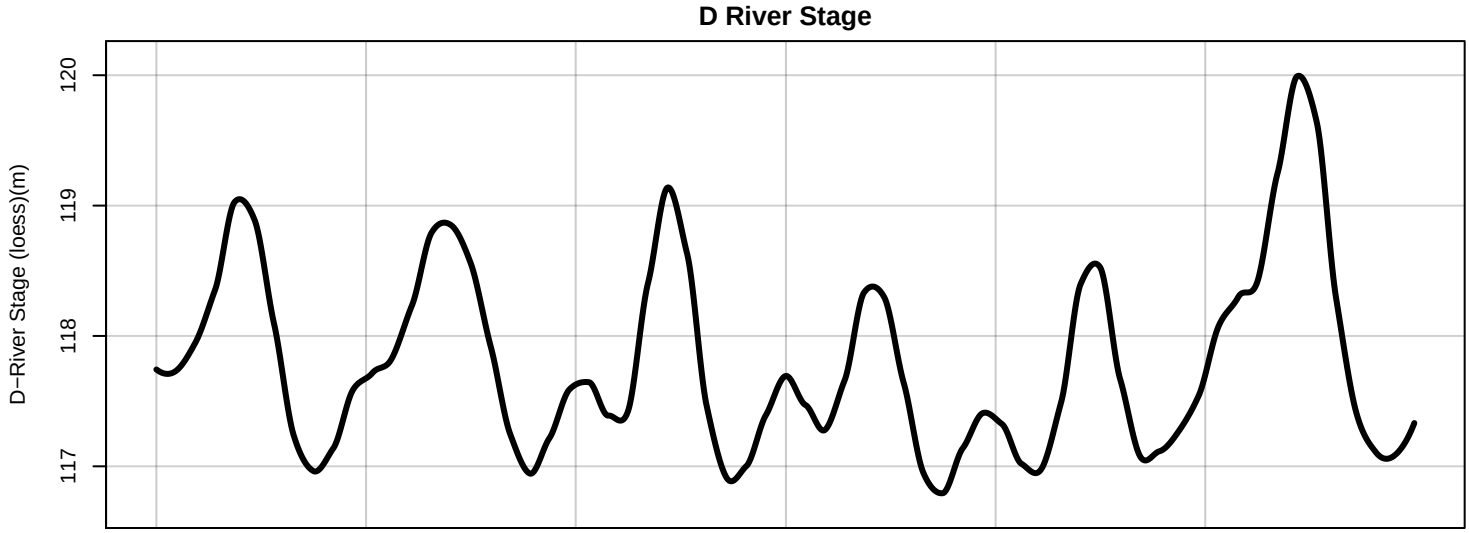
199−H4−65 (151m) Lag (14 Days)

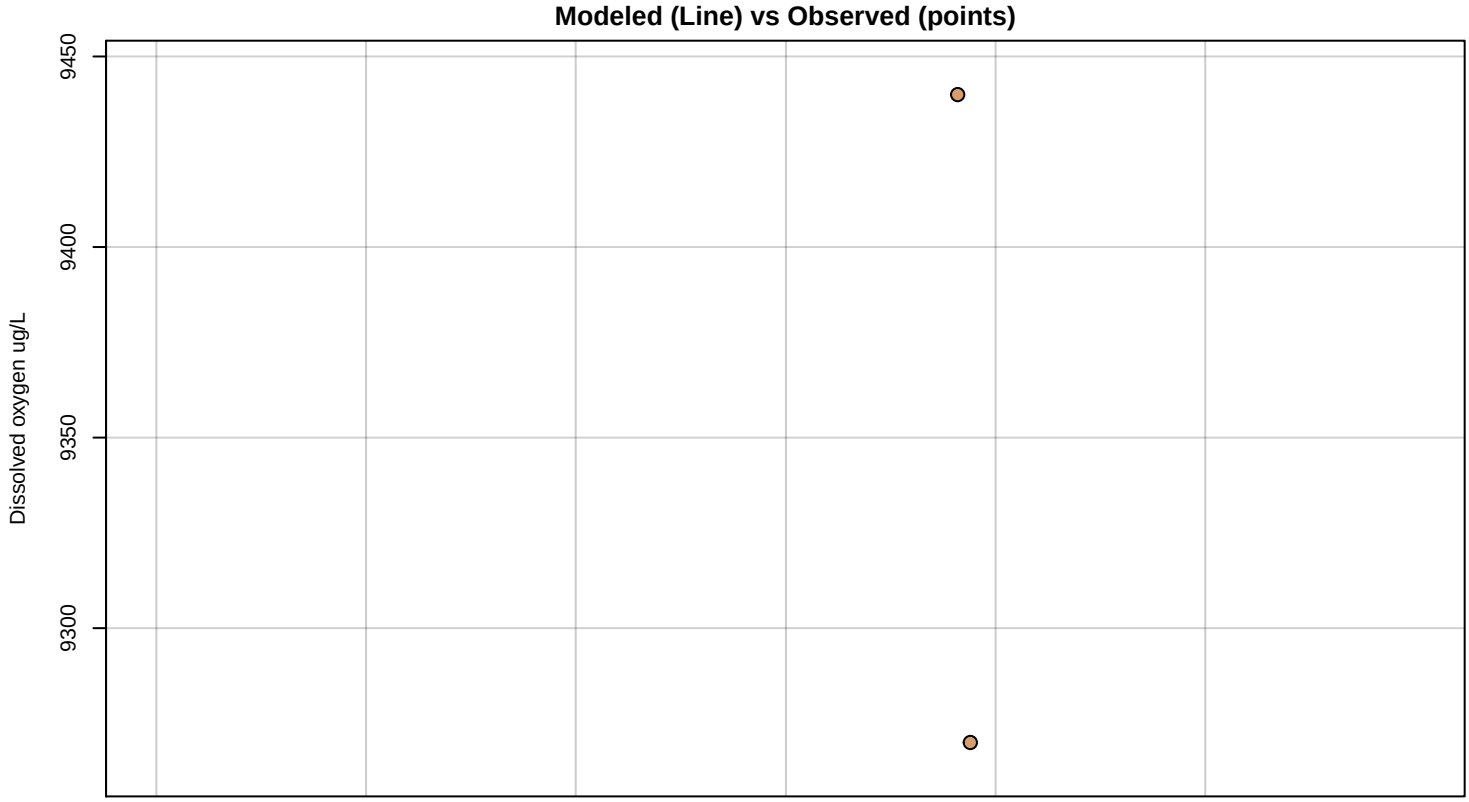
Detect
Non−detect
Pre−Remedy
Post−Remedy

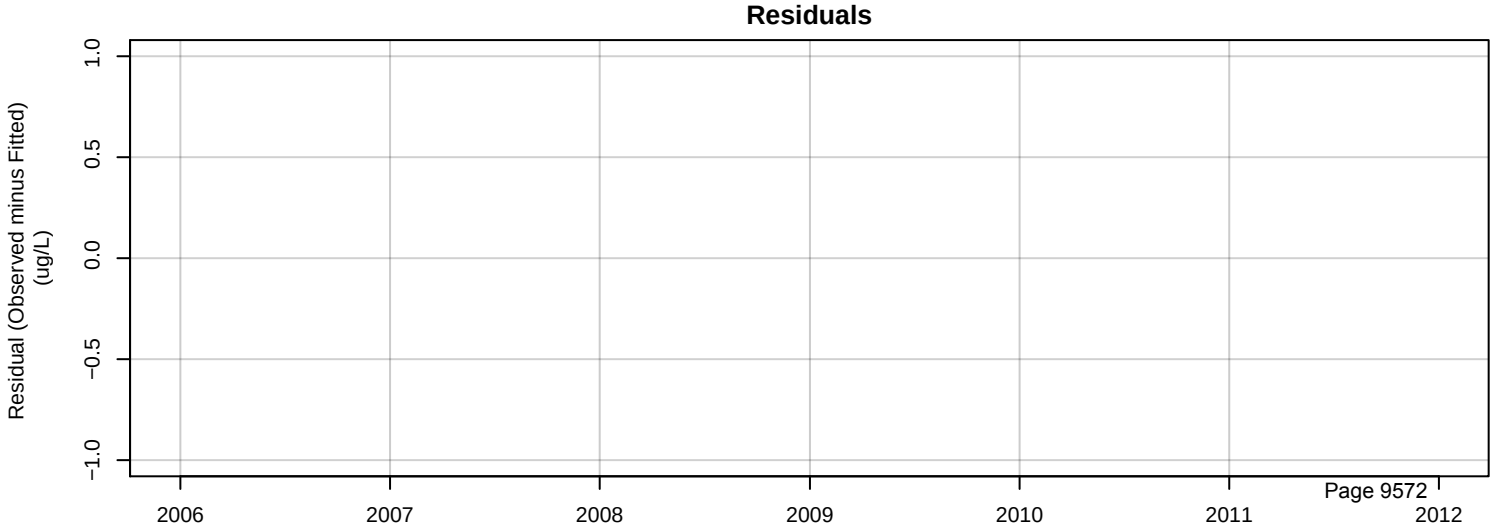


199−H4−8 (192m) Lag (14 Days)

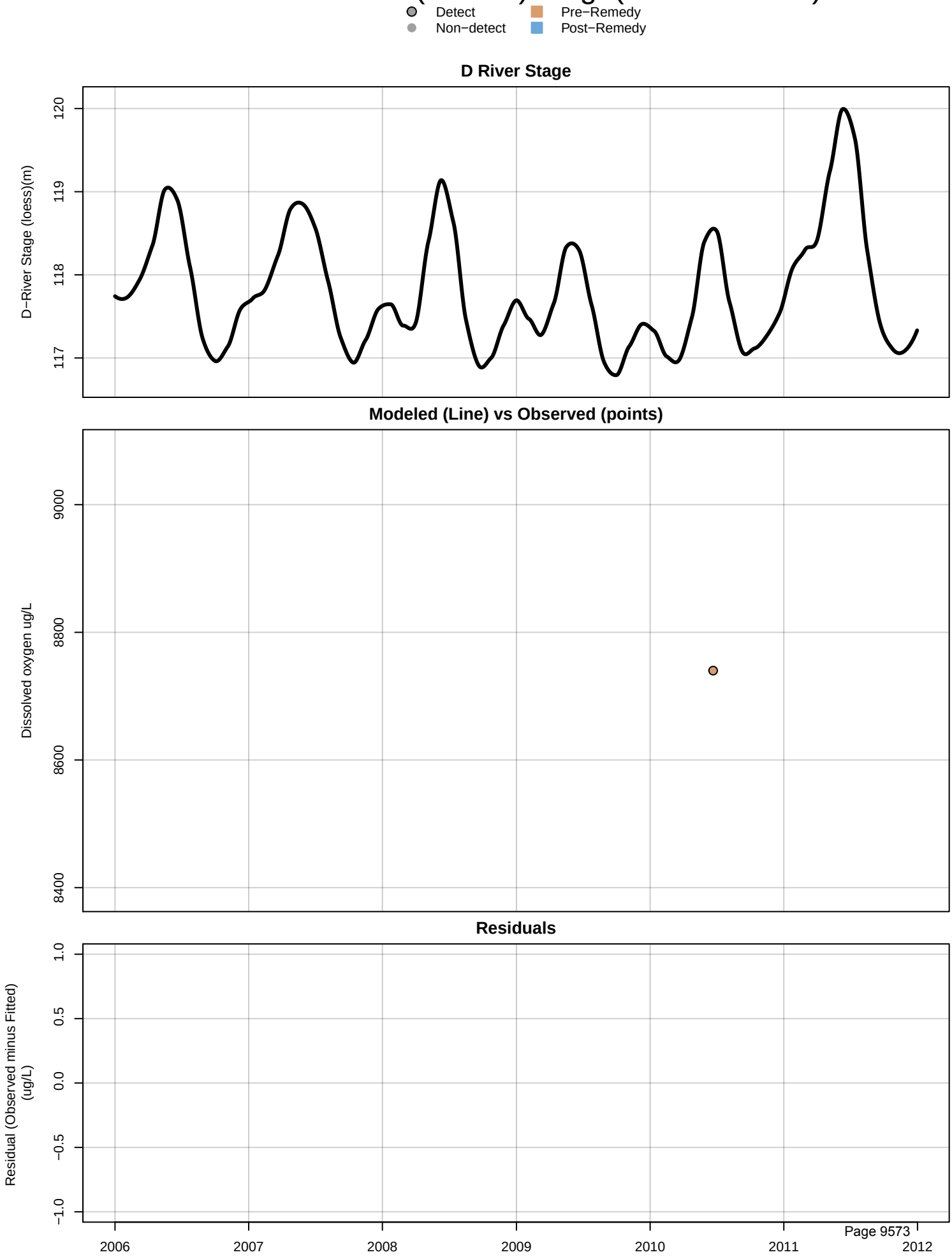
Detect
Non−detect
Pre−Remedy
Post−Remedy



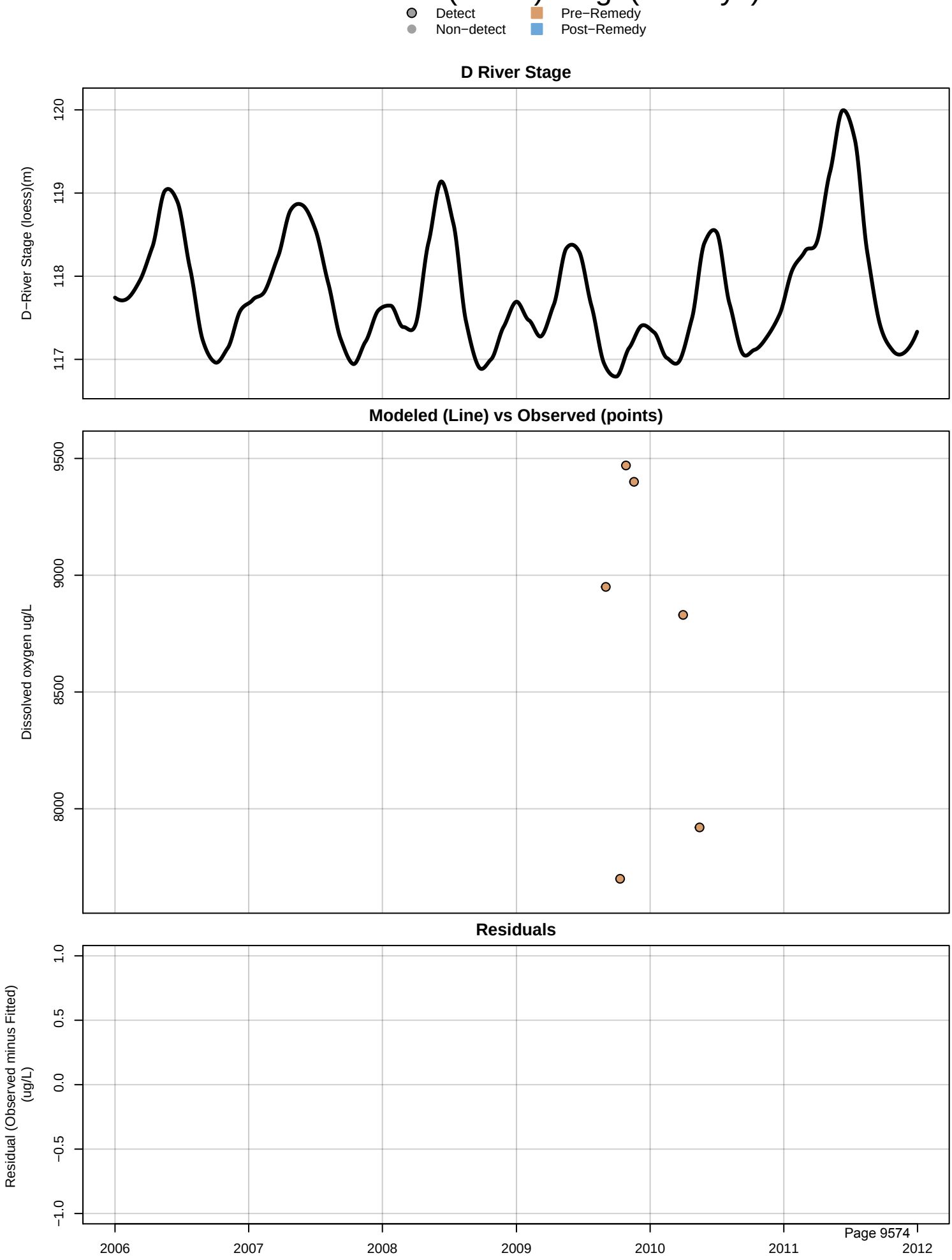




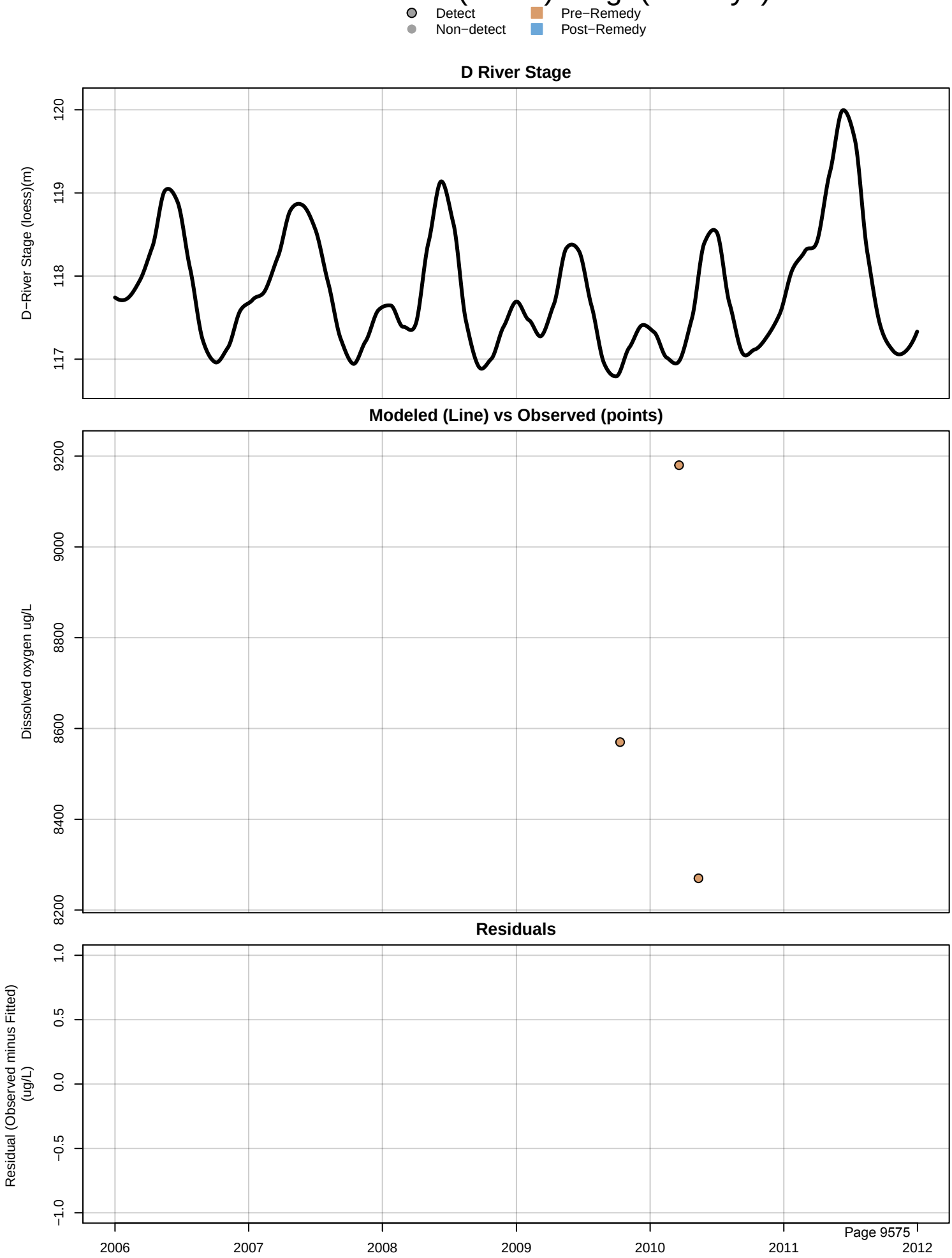
199−H4−80* (1291m) Lag (Indeterminate)



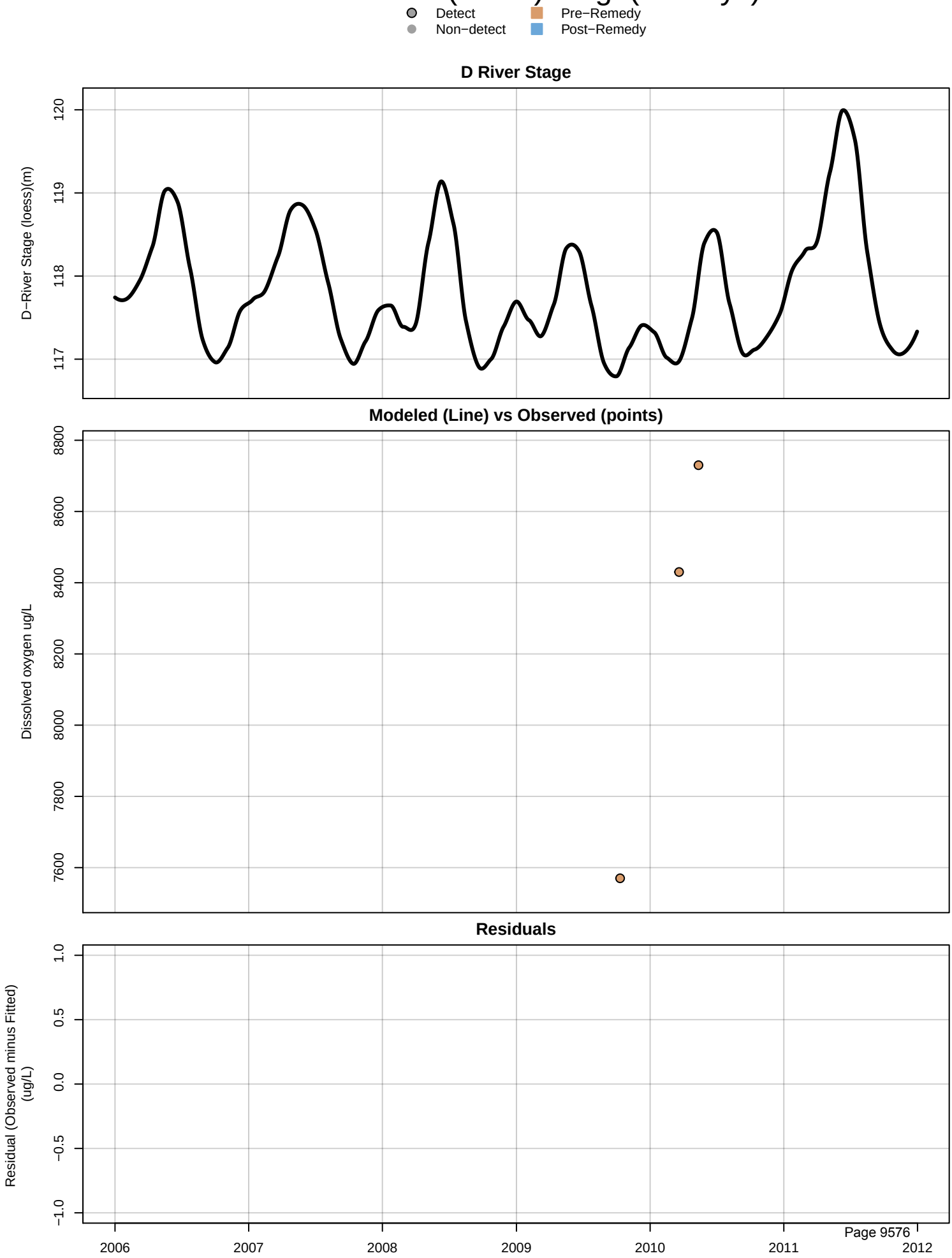
199−H4−9 (154m) Lag (10 Days)



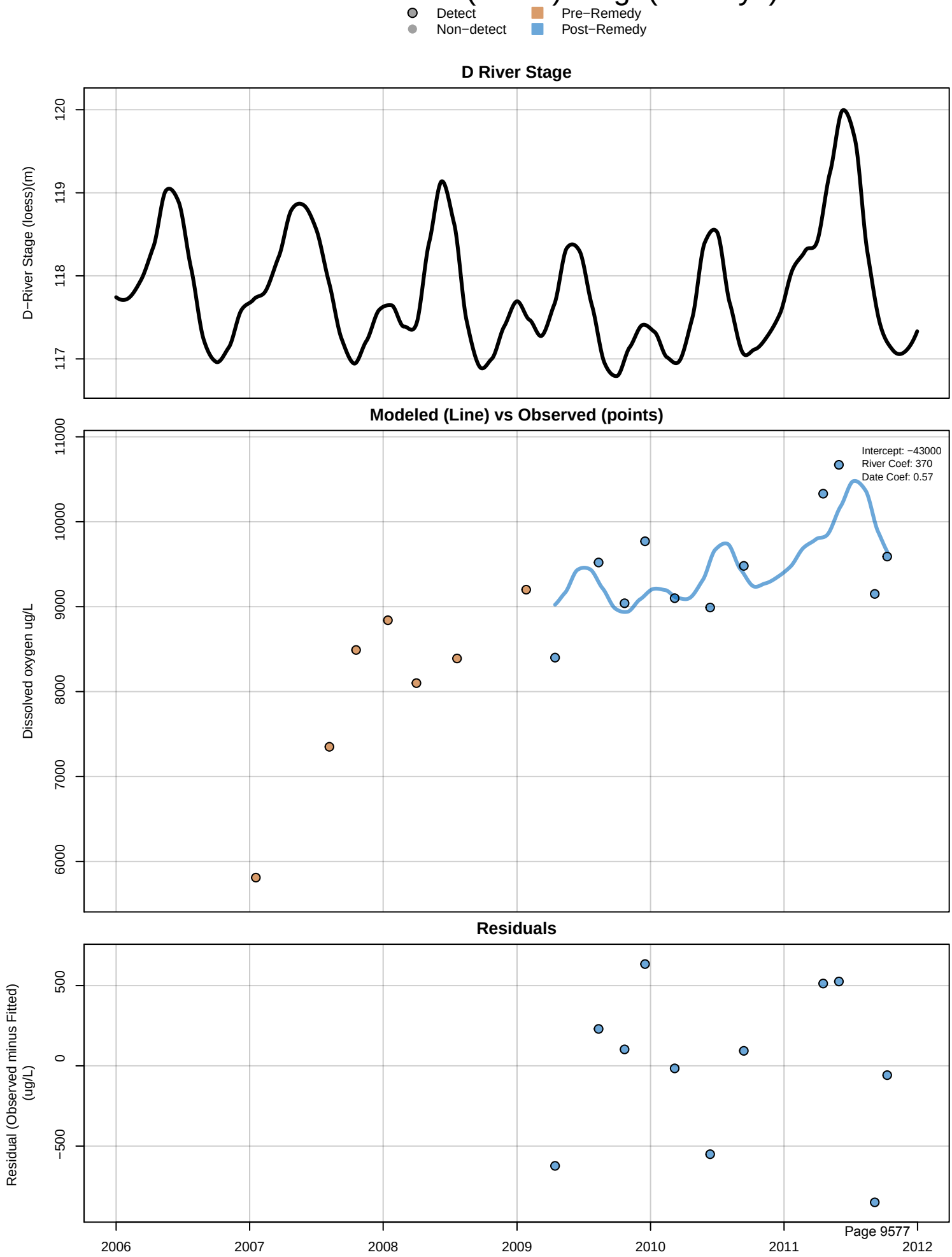
199−H5−1A (715m) Lag (59 Days)



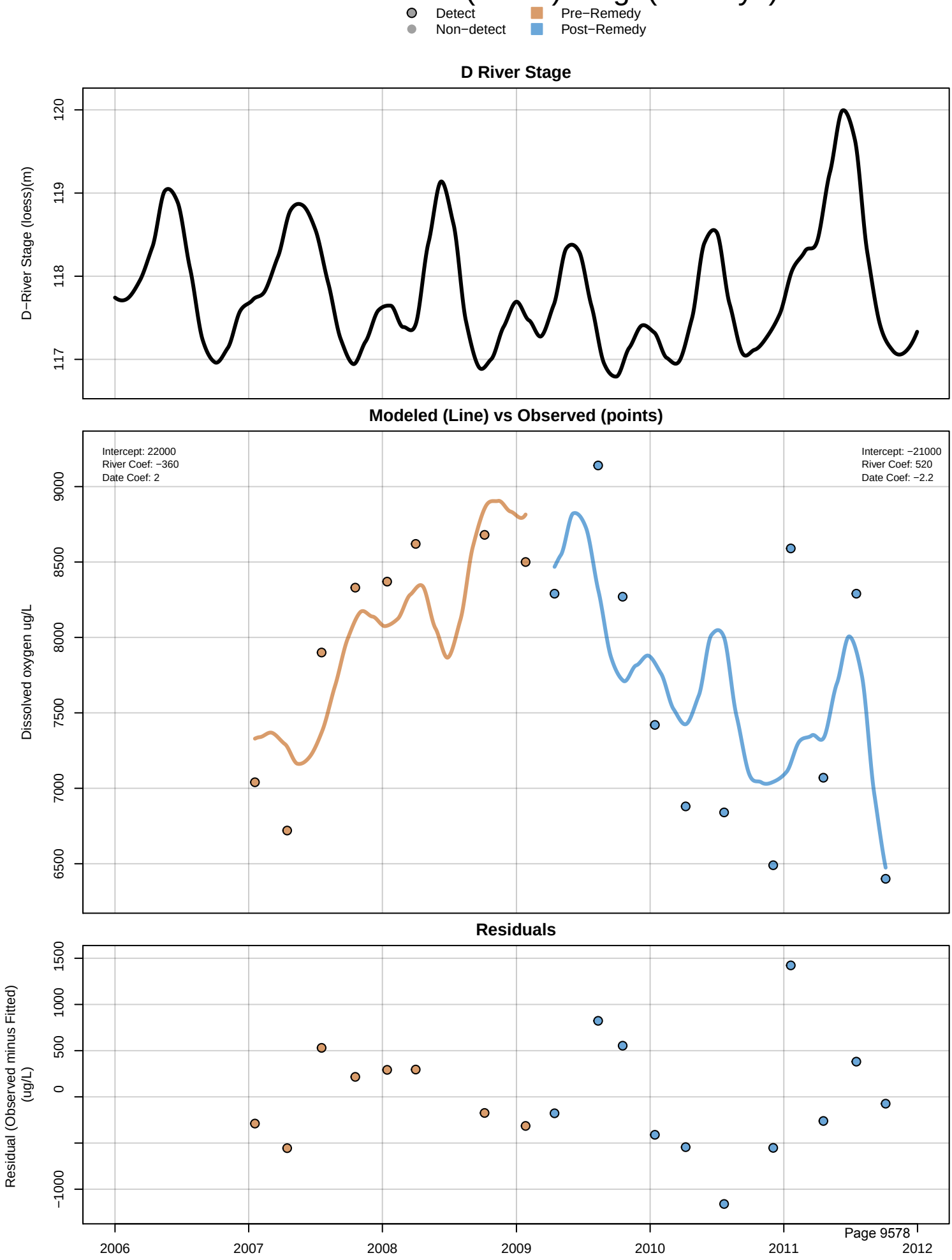
199−H6−1 (291m) Lag (42 Days)



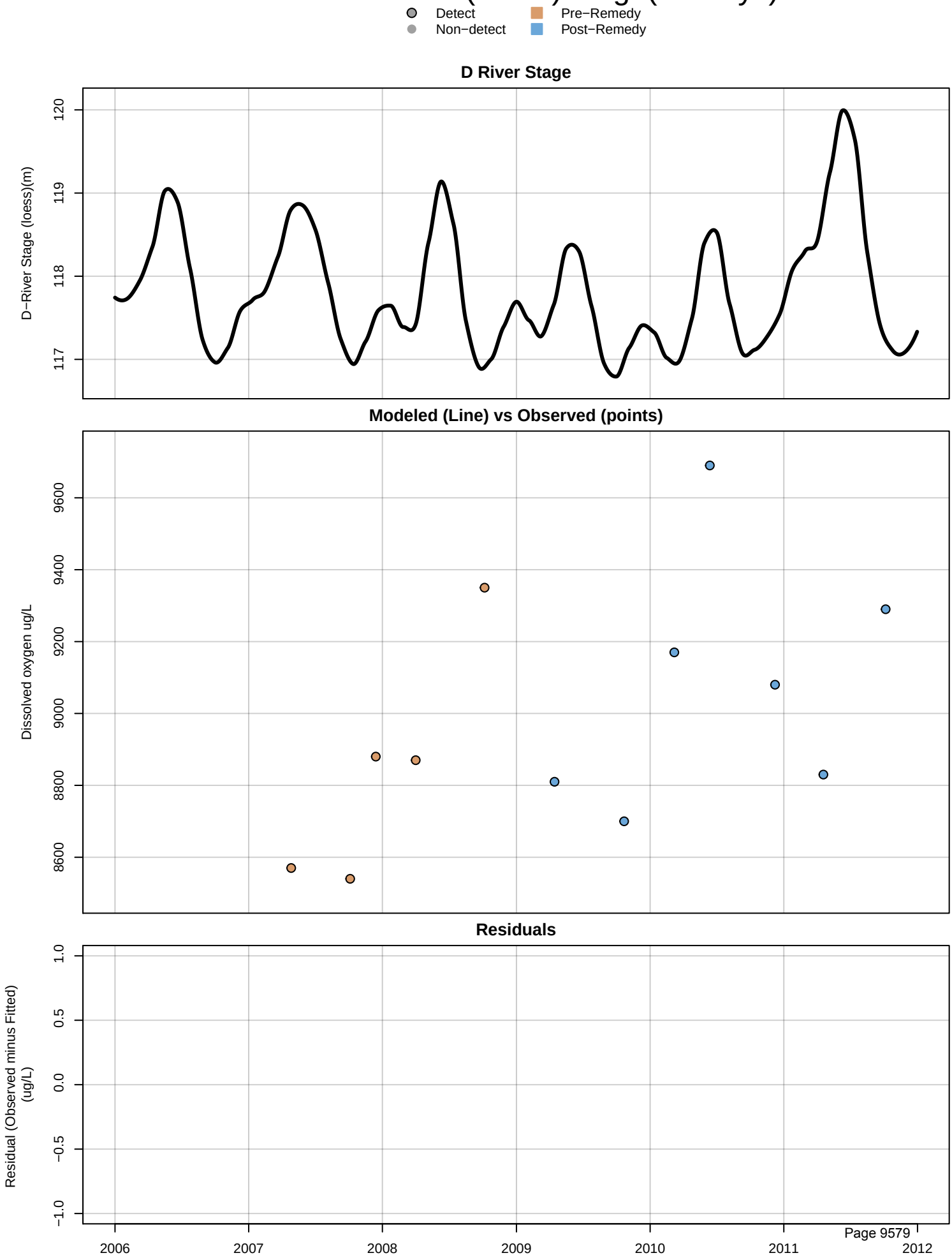
199−K−106A (437m) Lag (29 Days)



199−K−107A (388m) Lag (19 Days)

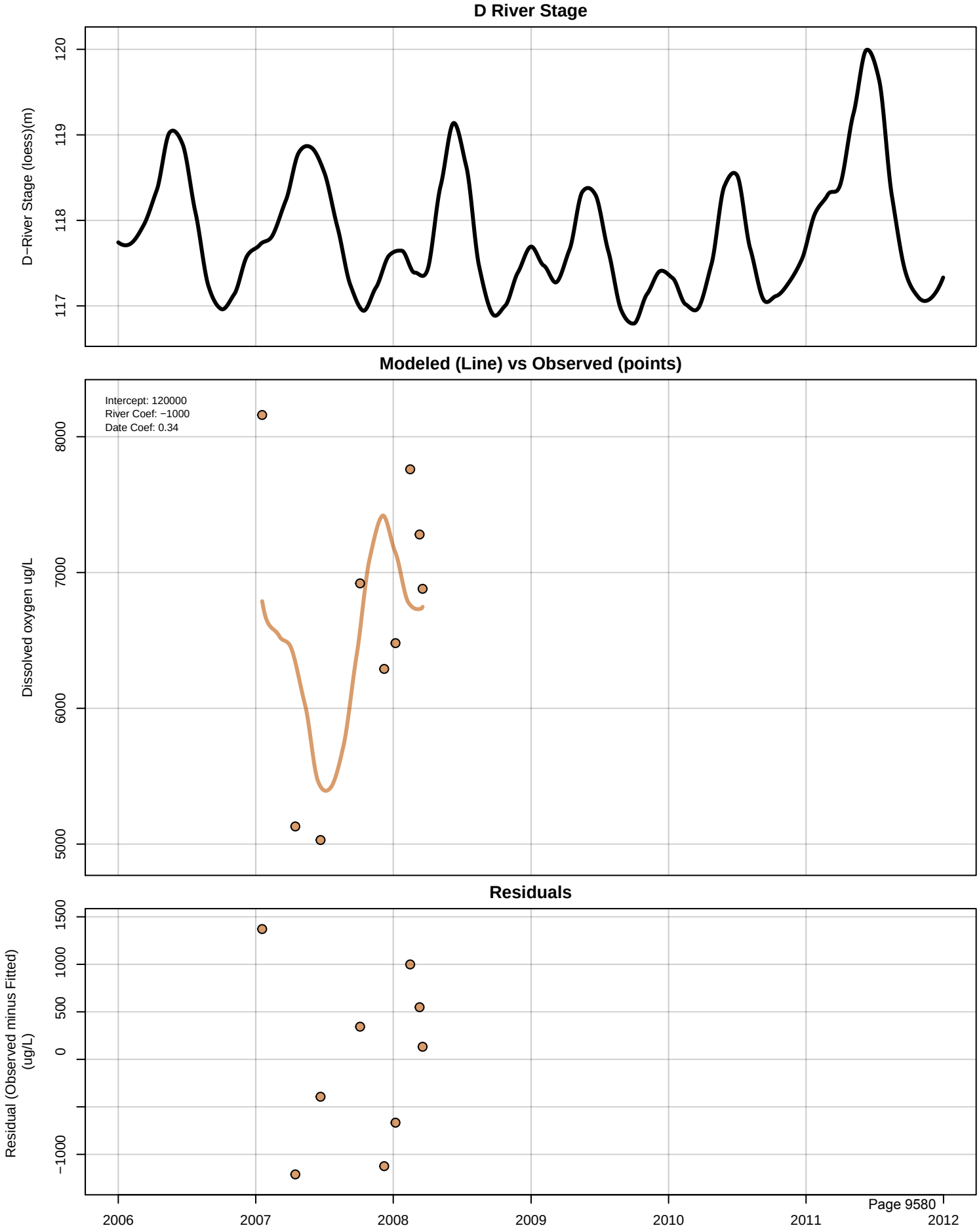


199−K−108A (516m) Lag (27 Days)



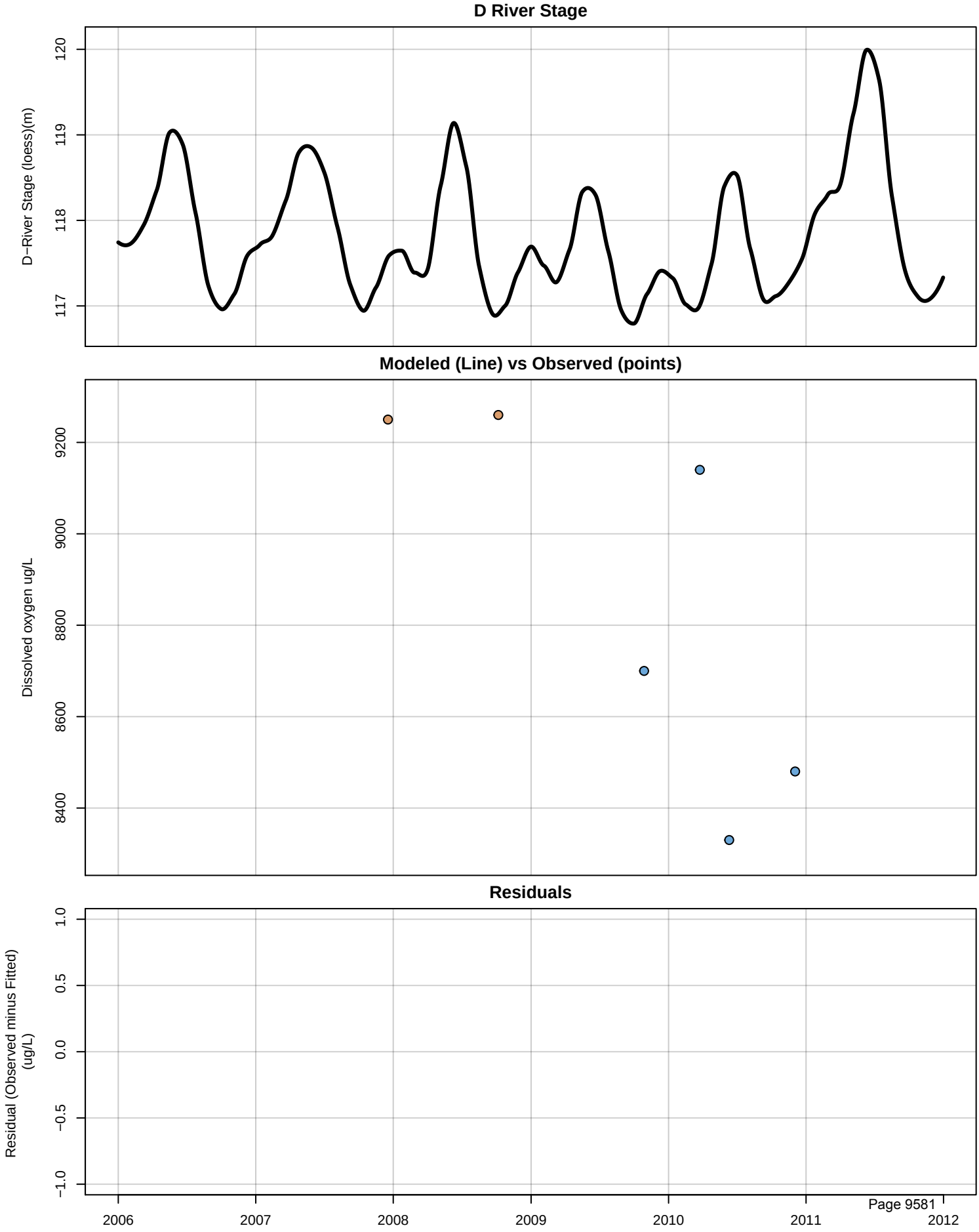
199−K−109A (485m) Lag (51 Days)

Detect
Non−detect
Pre−Remedy
Post−Remedy

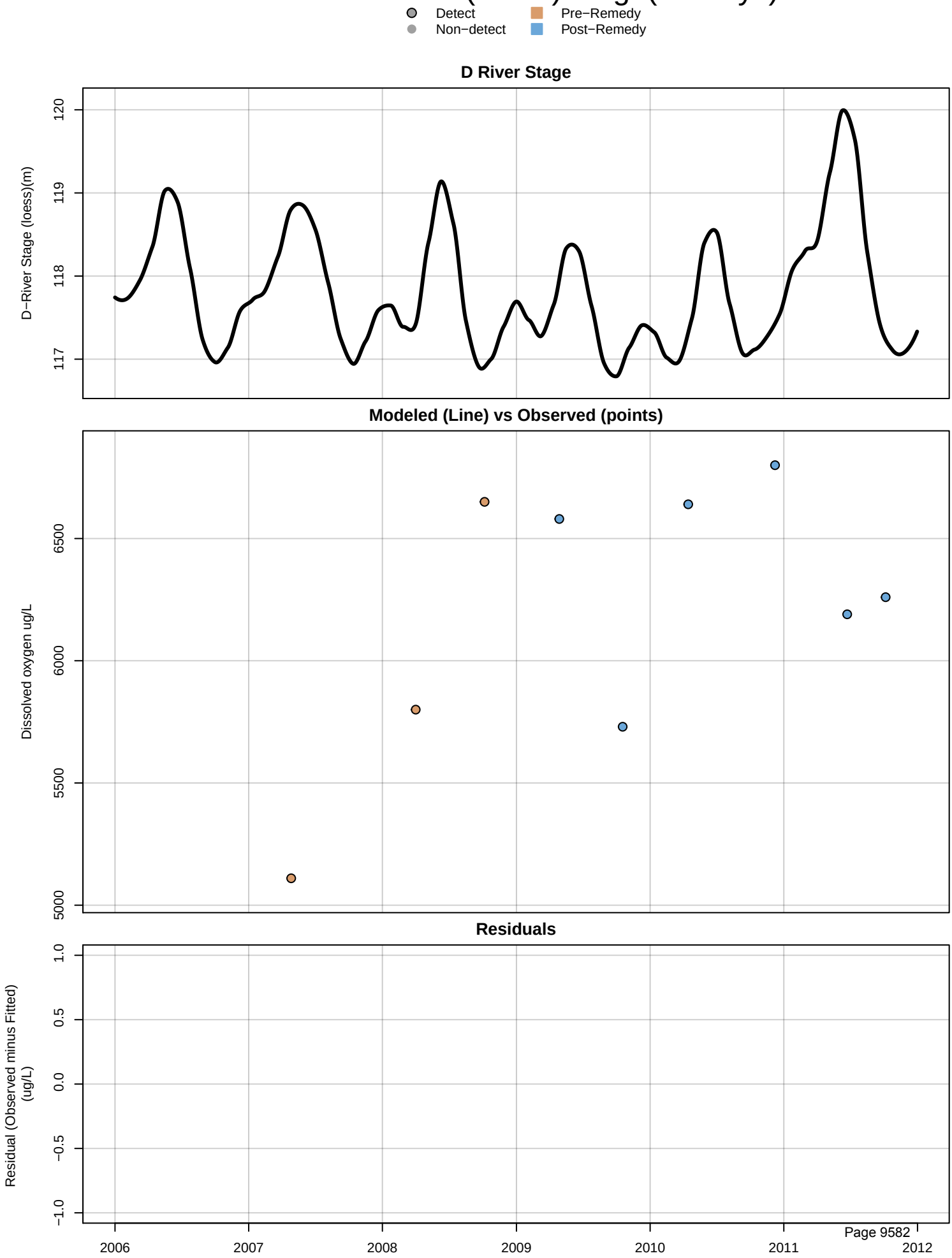


199−K−11 (478m) Lag (22 Days)

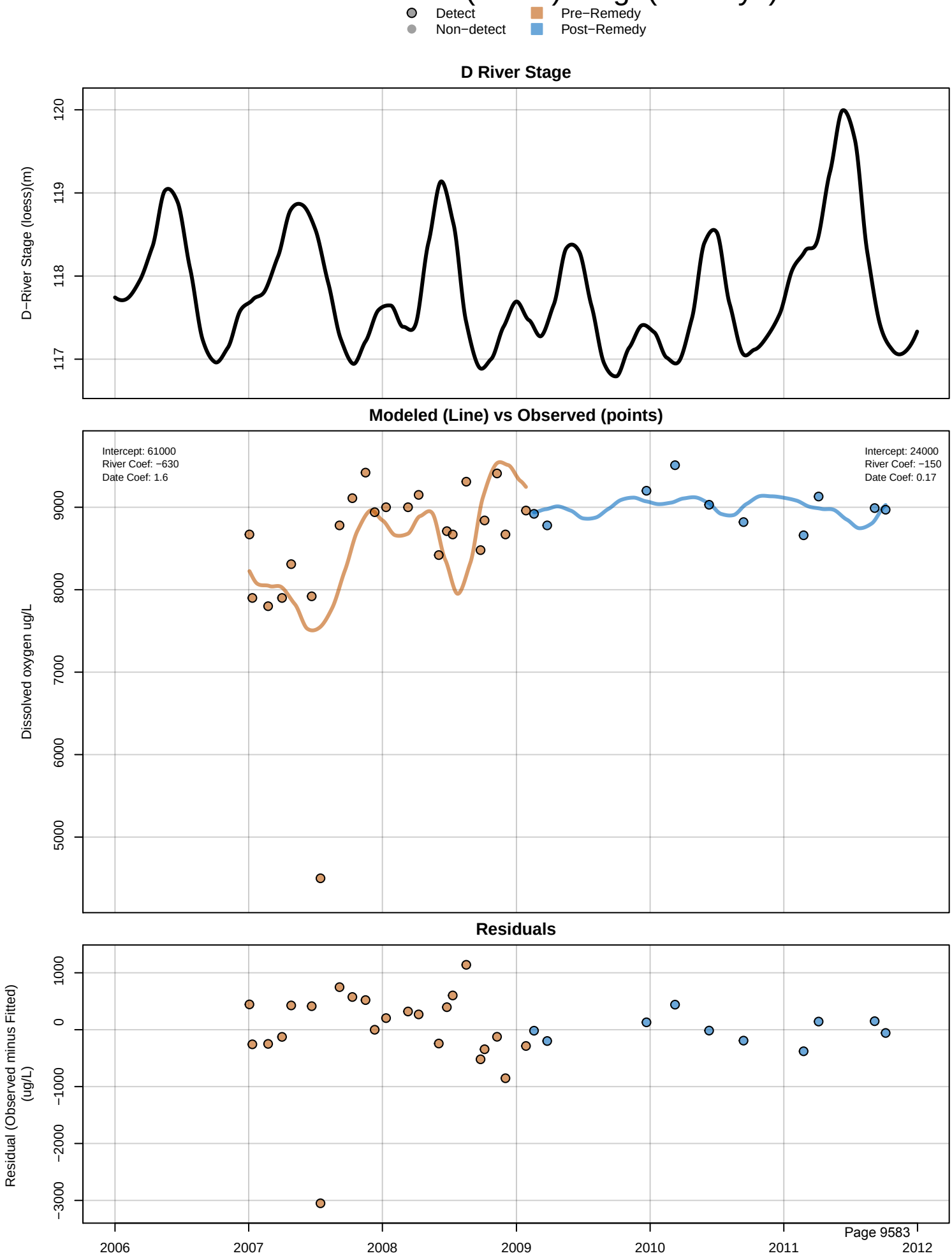
Detect
Non−detect
Pre−Remedy
Post−Remedy



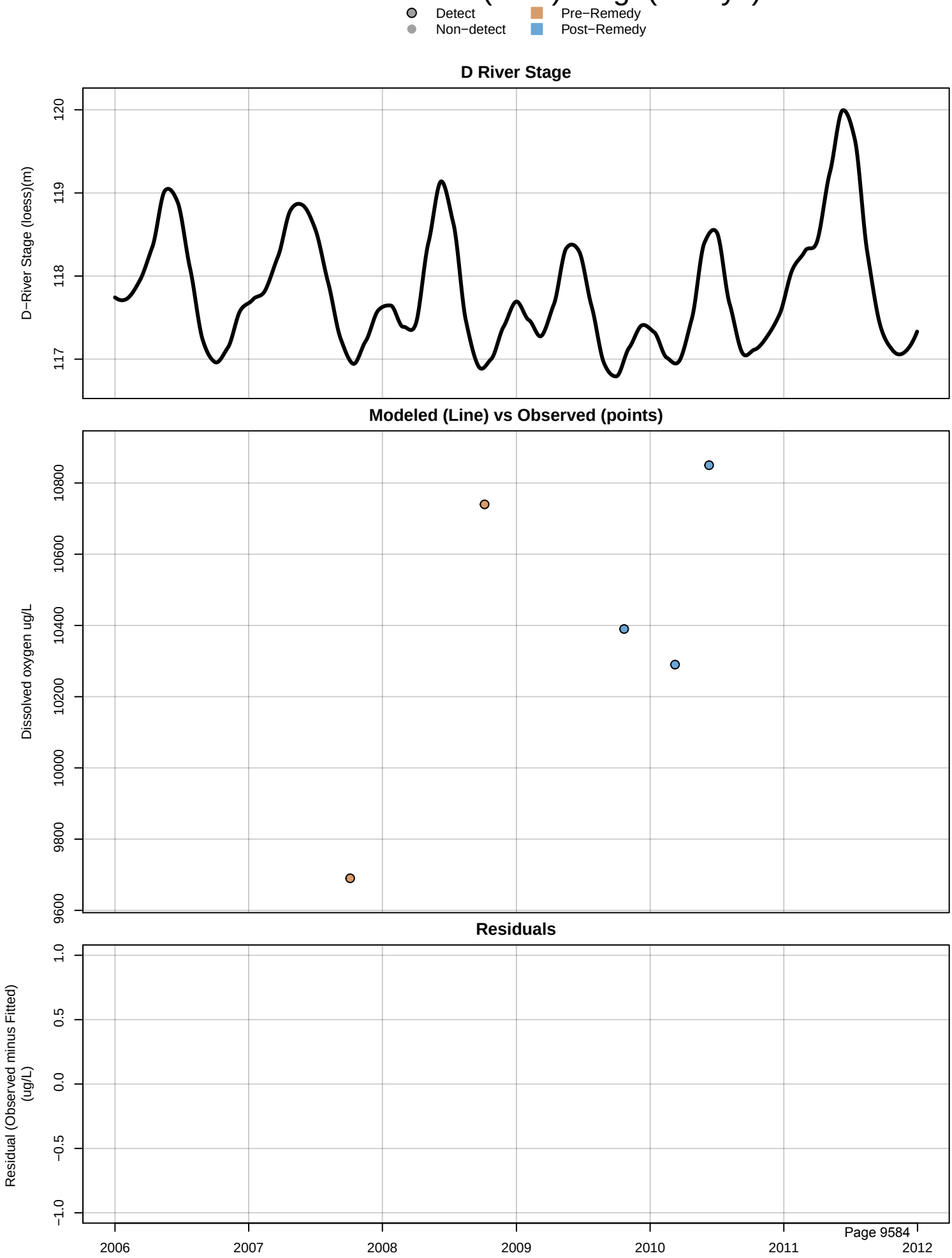
199−K−110A (613m) Lag (51 Days)



199−K−111A (467m) Lag (46 Days)

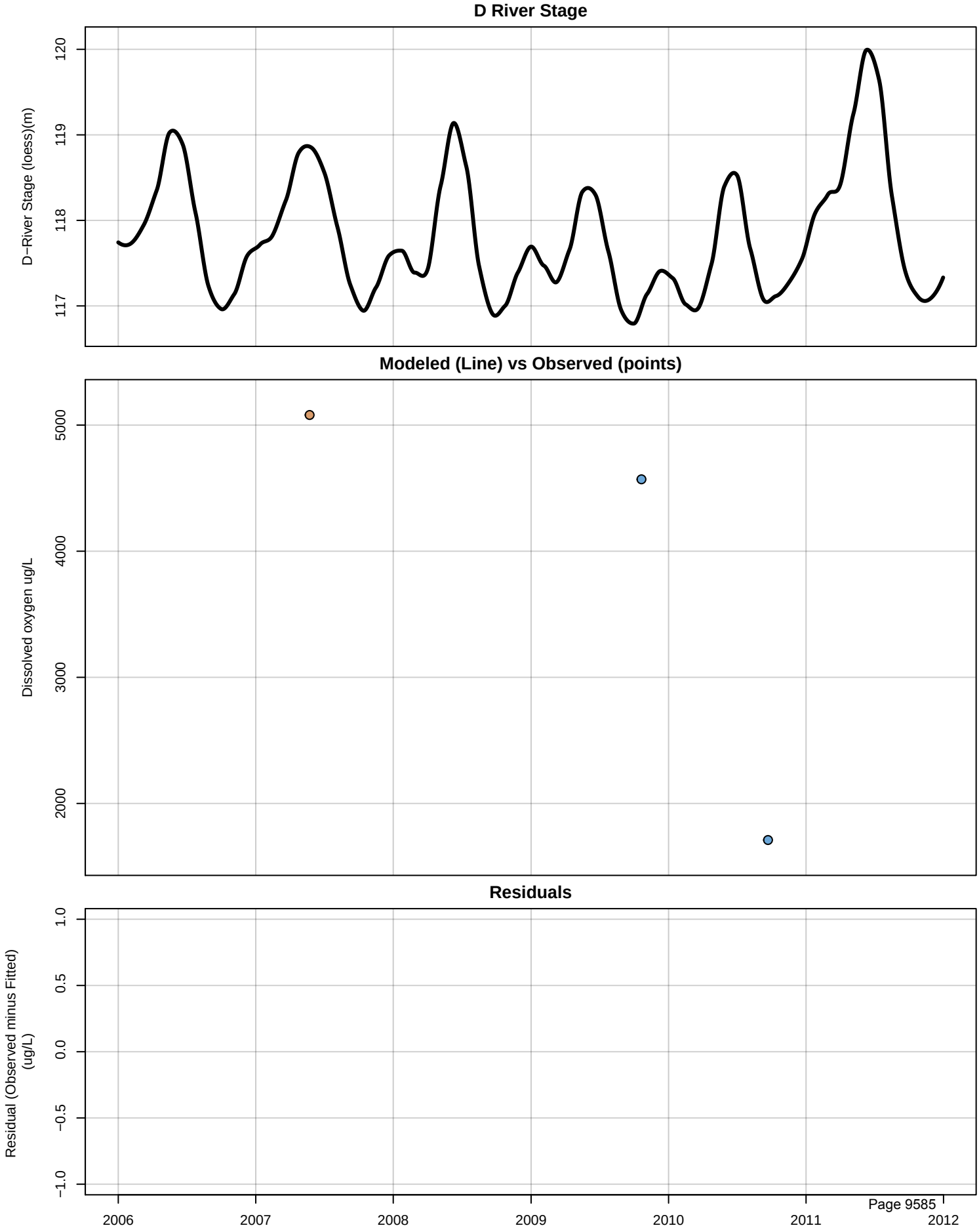


199−K−117A (69m) Lag (8 Days)

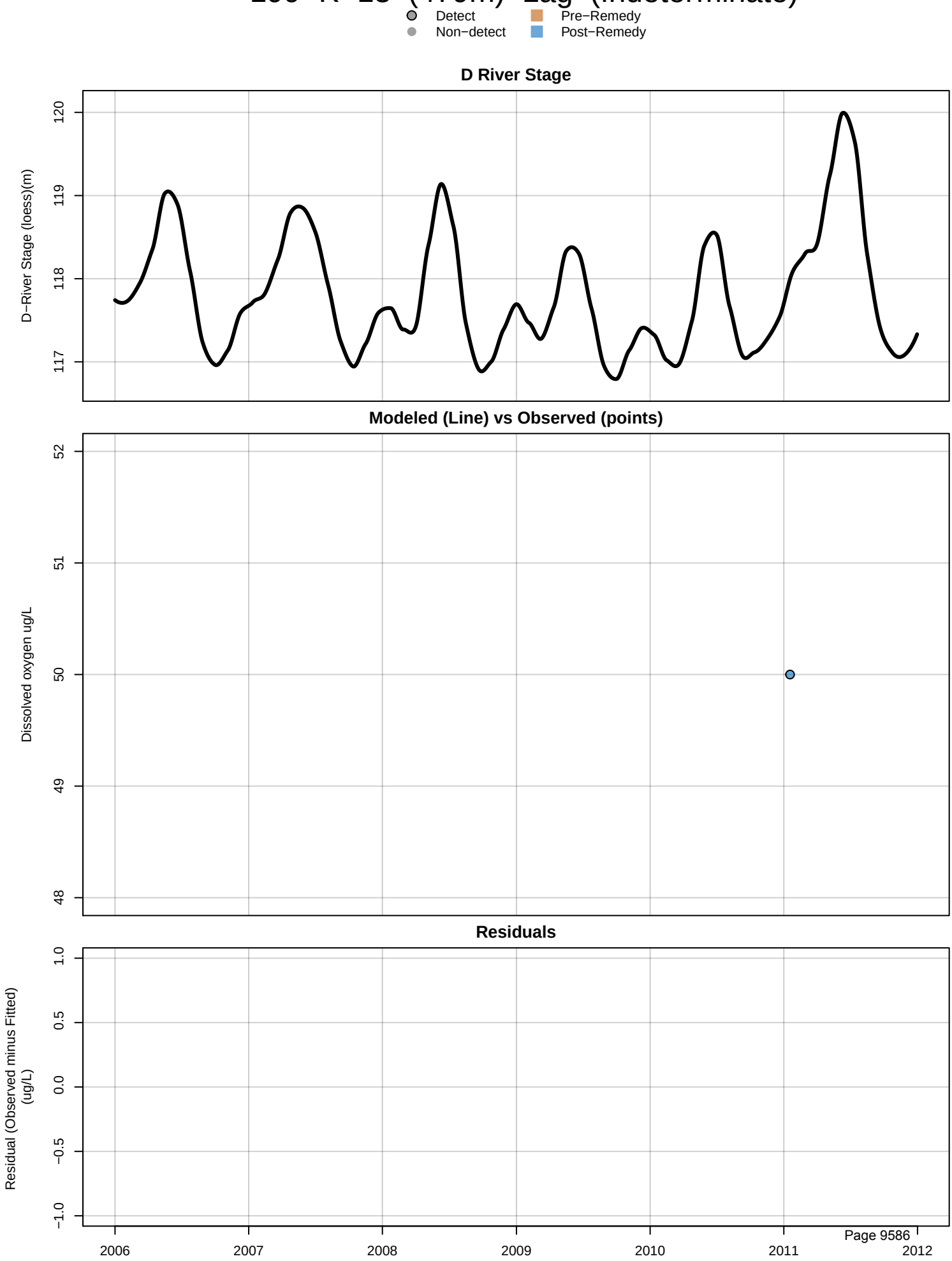


199−K−126 (290m) Lag (0 Days)

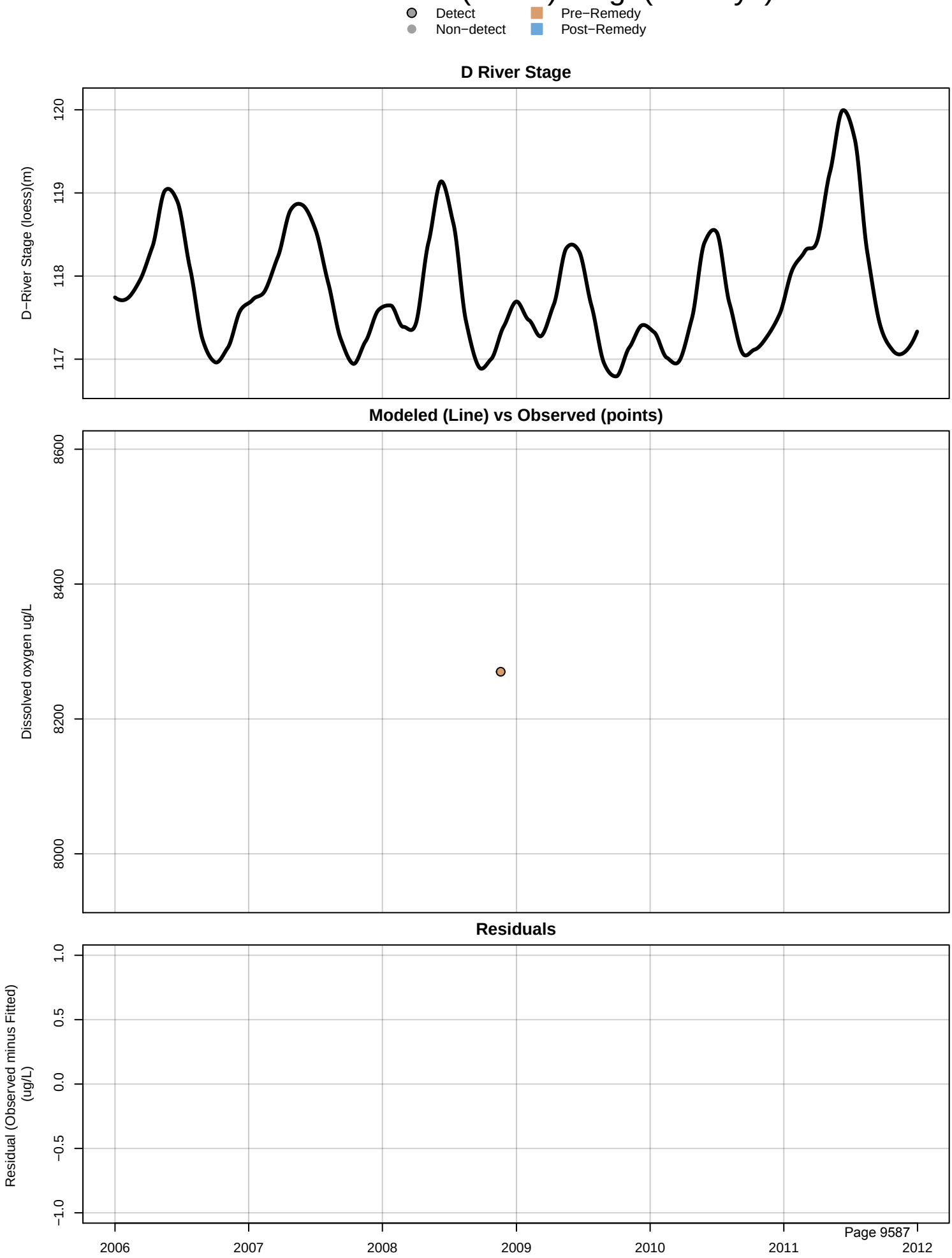
Detect
Non−detect
Pre−Remedy
Post−Remedy



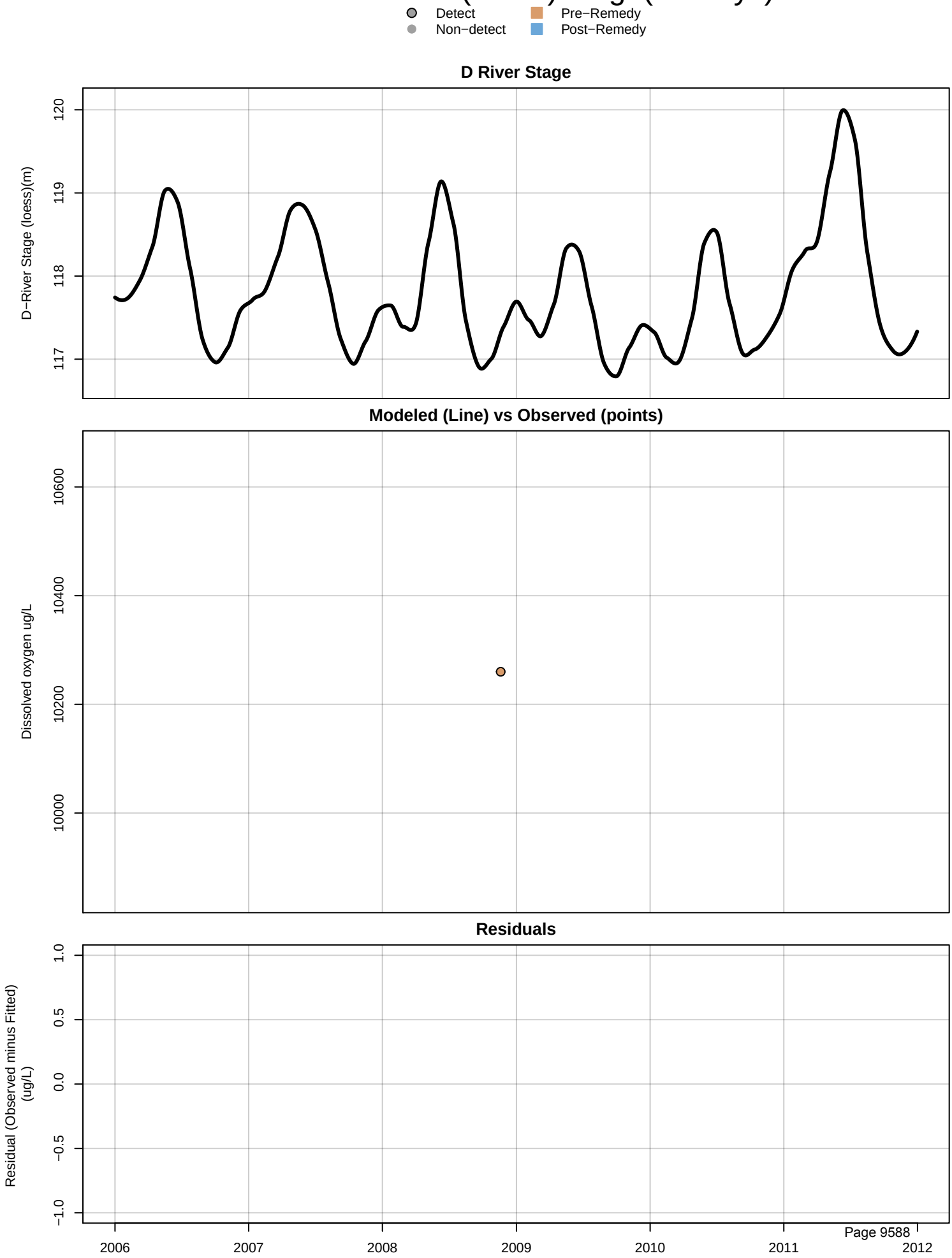
199−K−13 (479m) Lag (Indeterminate)



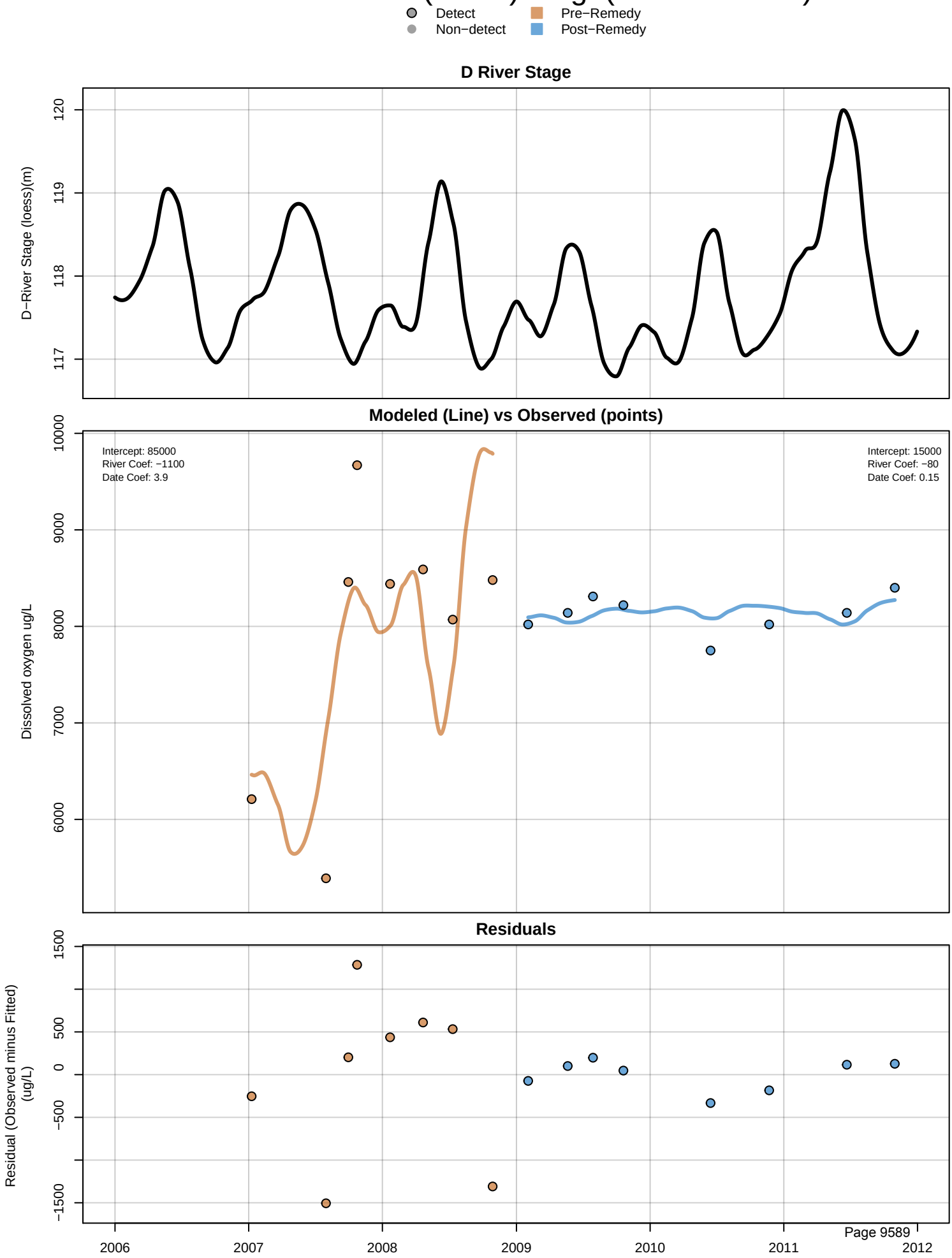
199−K−130* (119m) Lag (37 Days)



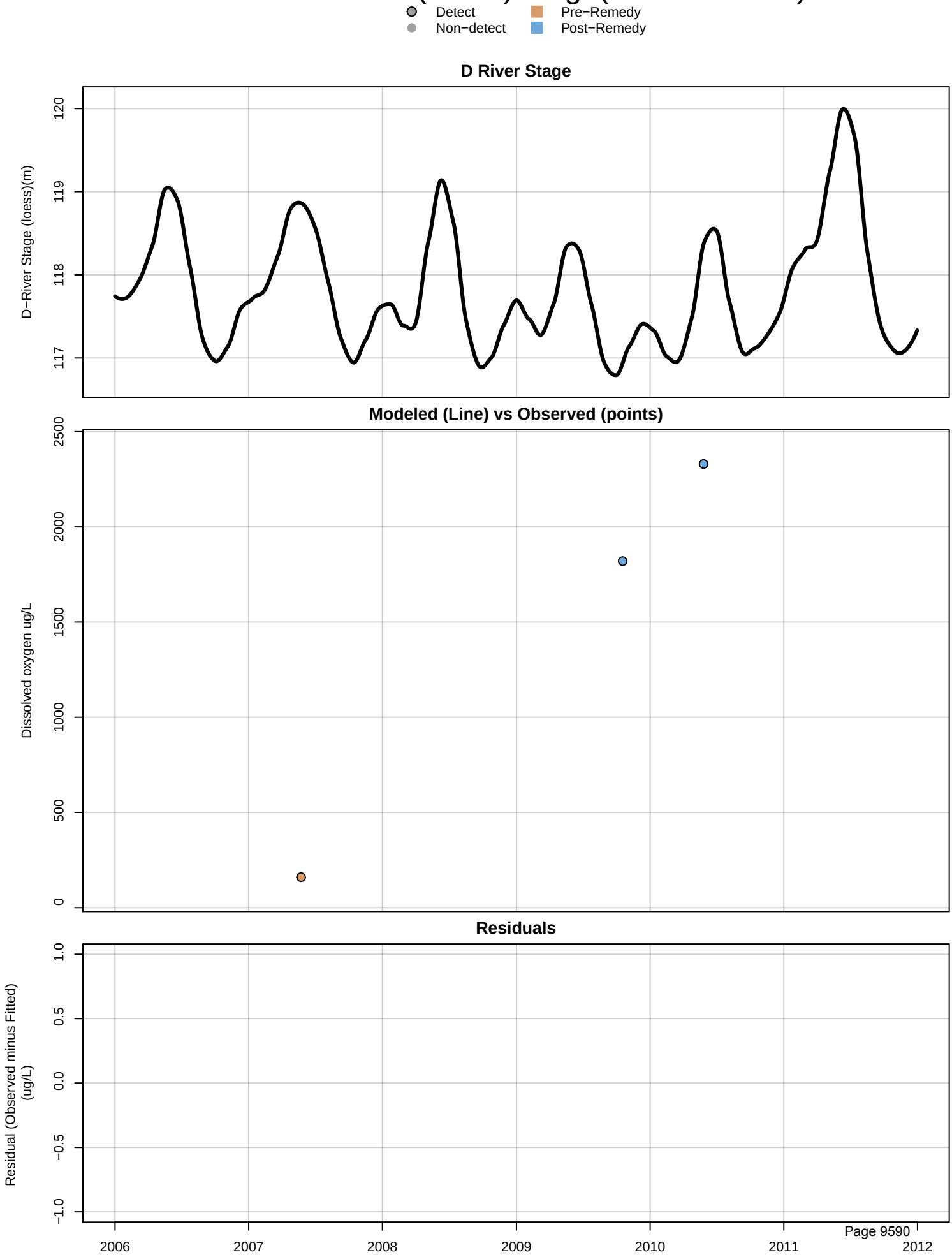
199−K−131* (123m) Lag (27 Days)



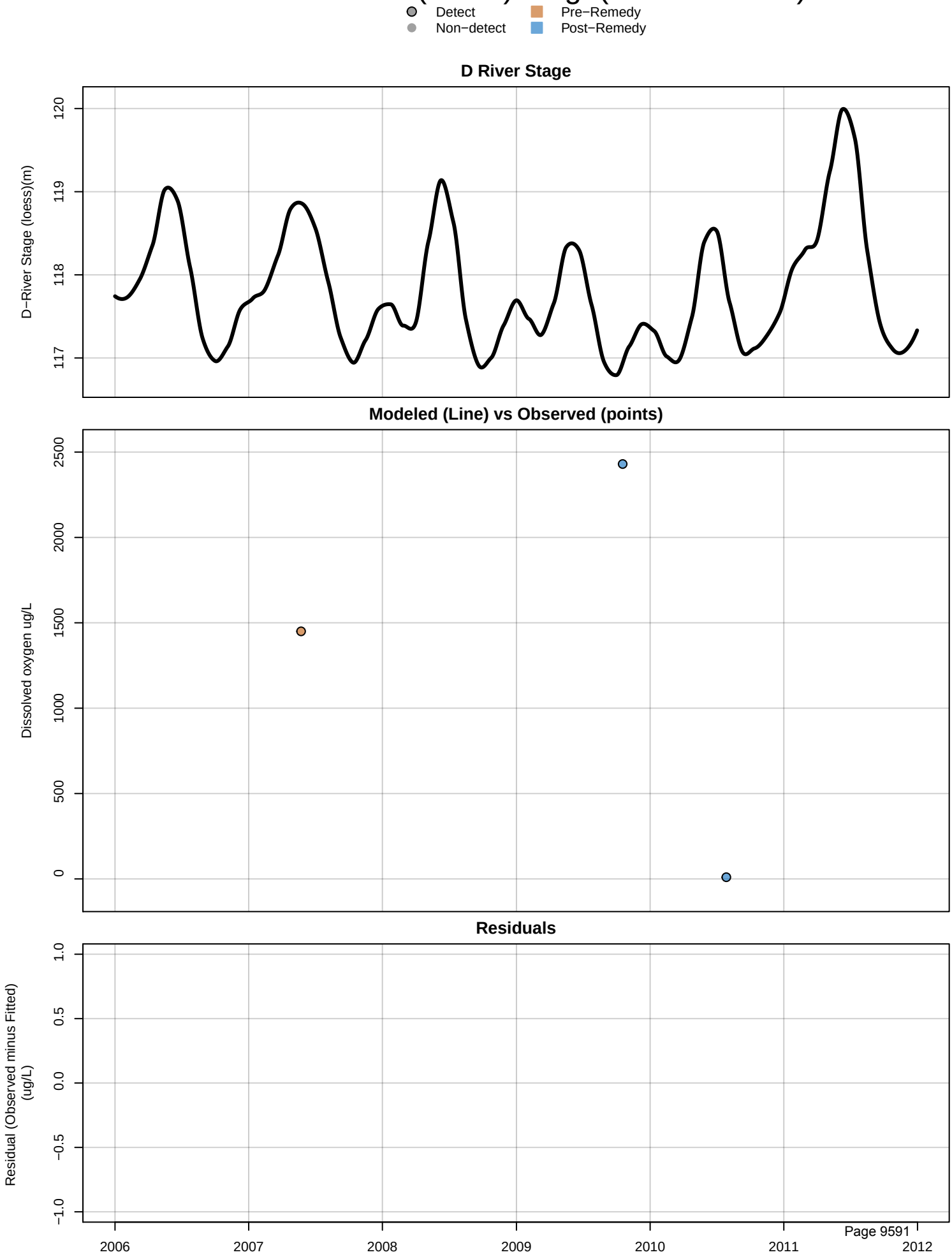
199−K−132* (181m) Lag (Indeterminate)



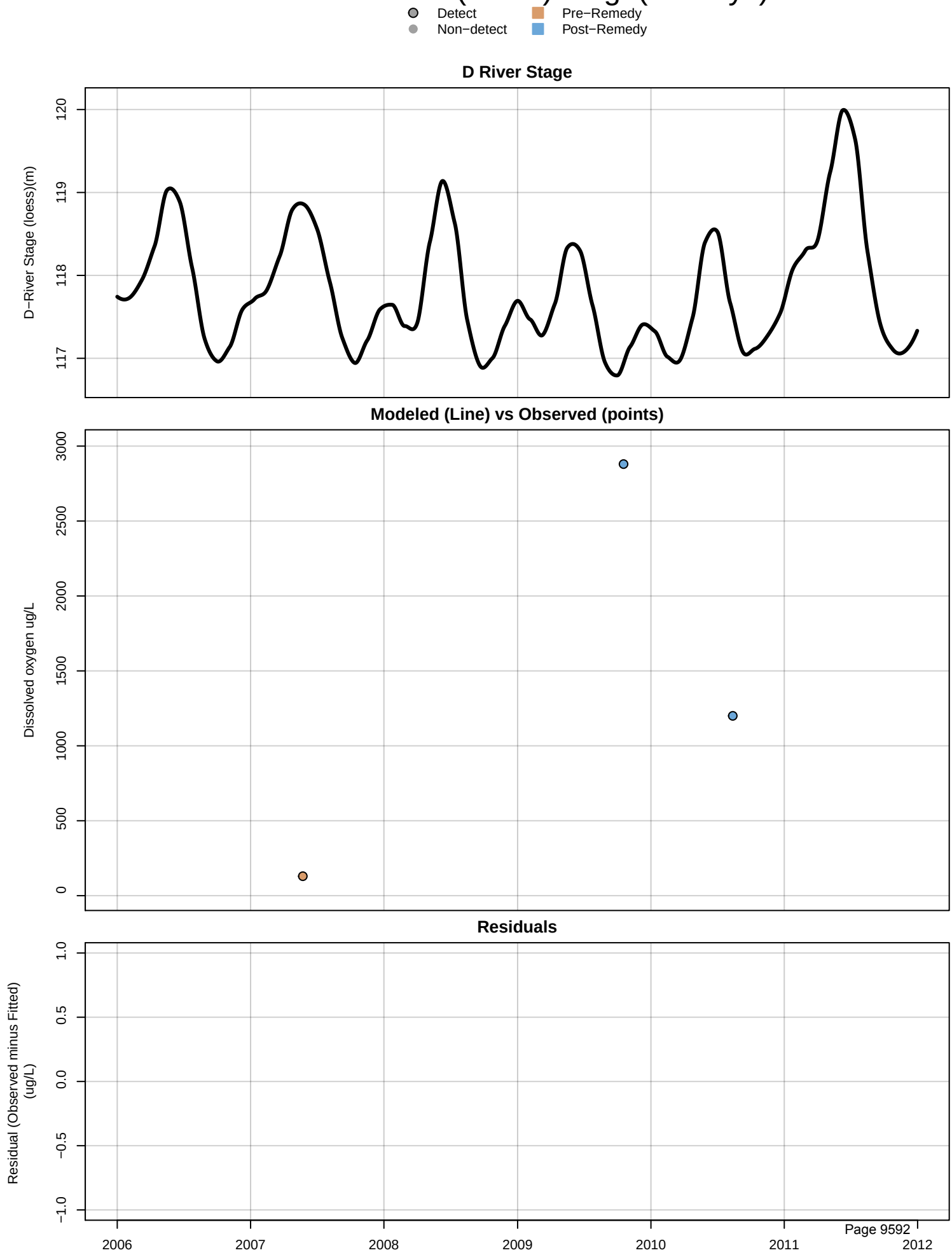
199−K−133 (261m) Lag (Indeterminate)



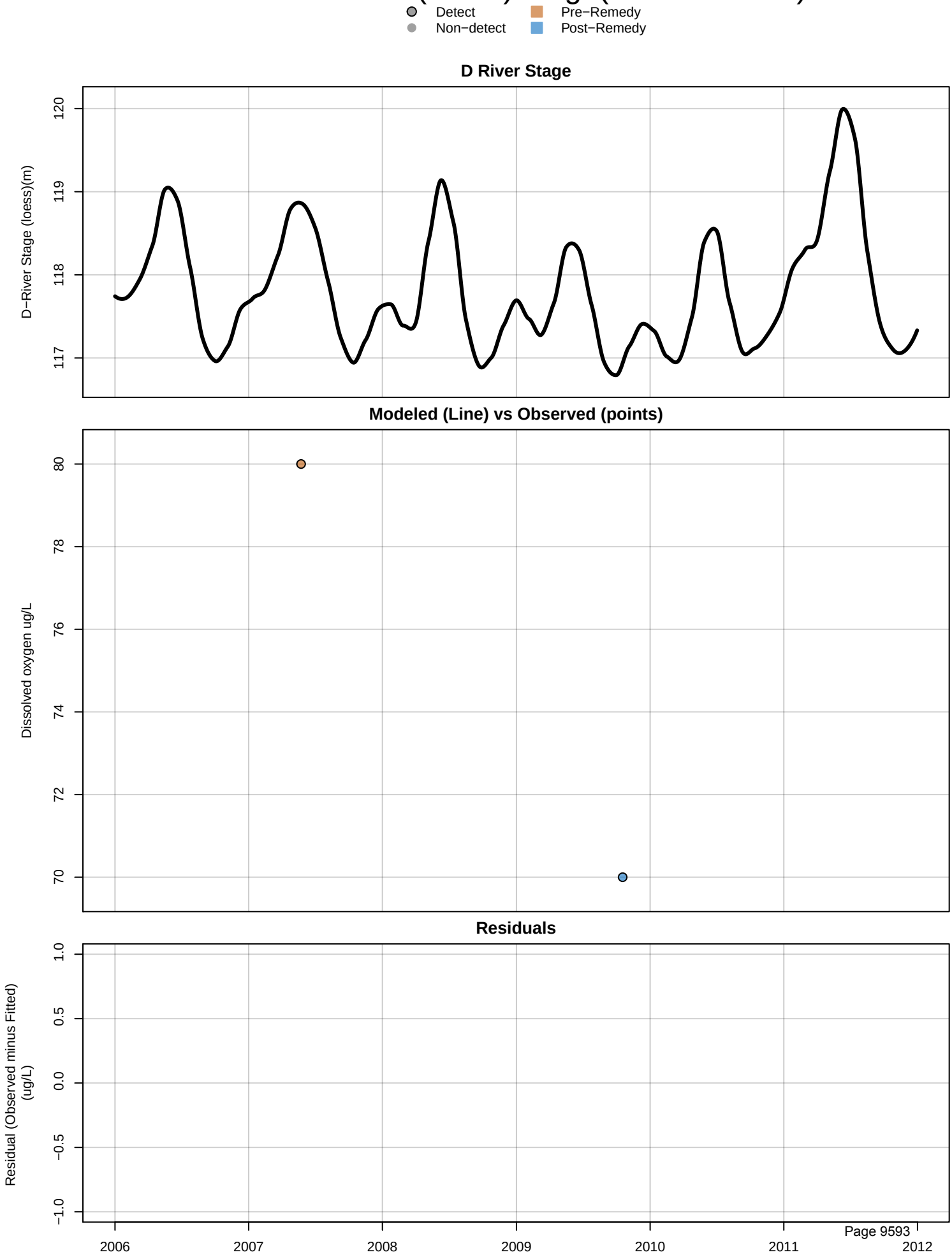
199−K−134 (298m) Lag (Indeterminate)



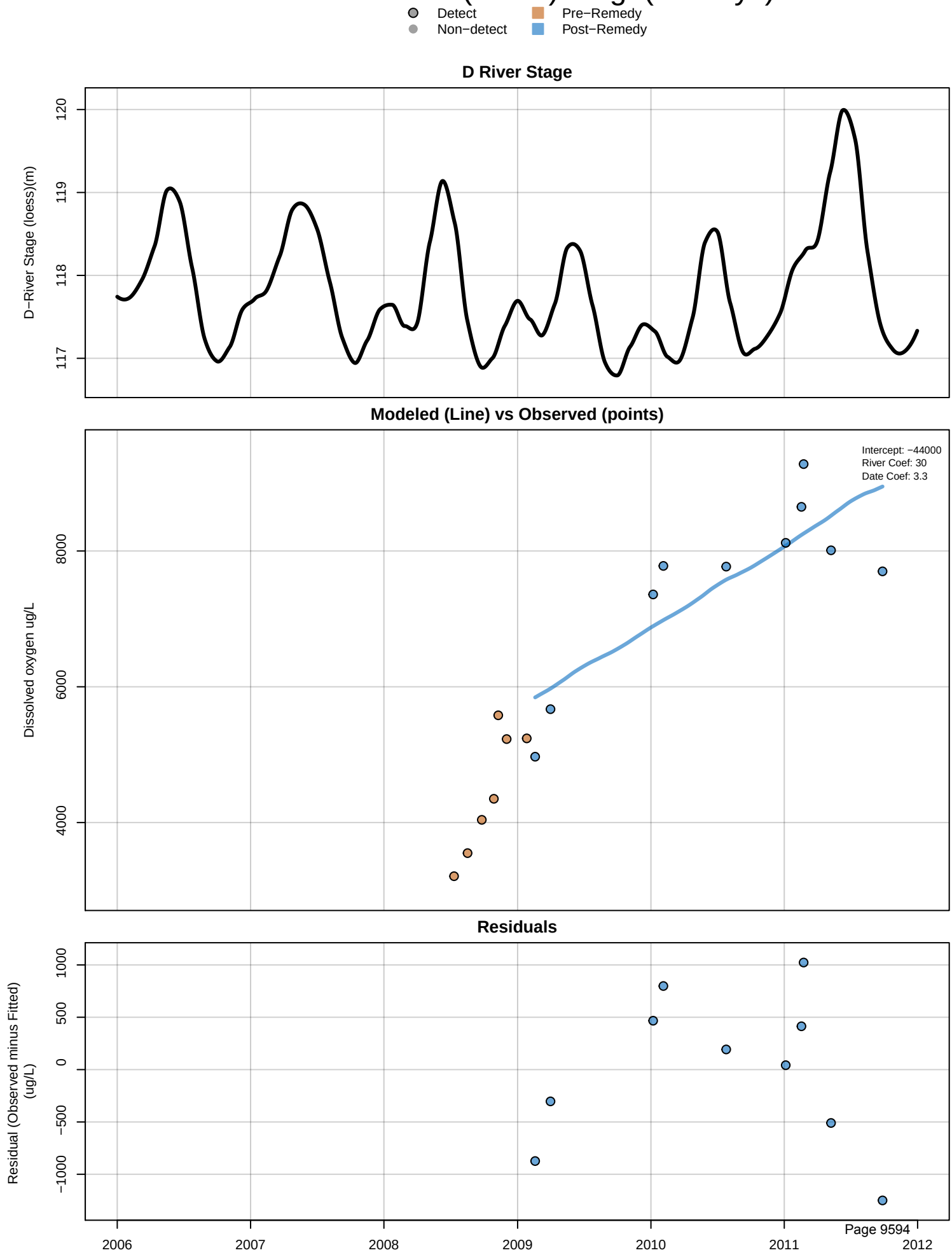
199−K−135 (319m) Lag (22 Days)



199−K−136 (281m) Lag (Indeterminate)

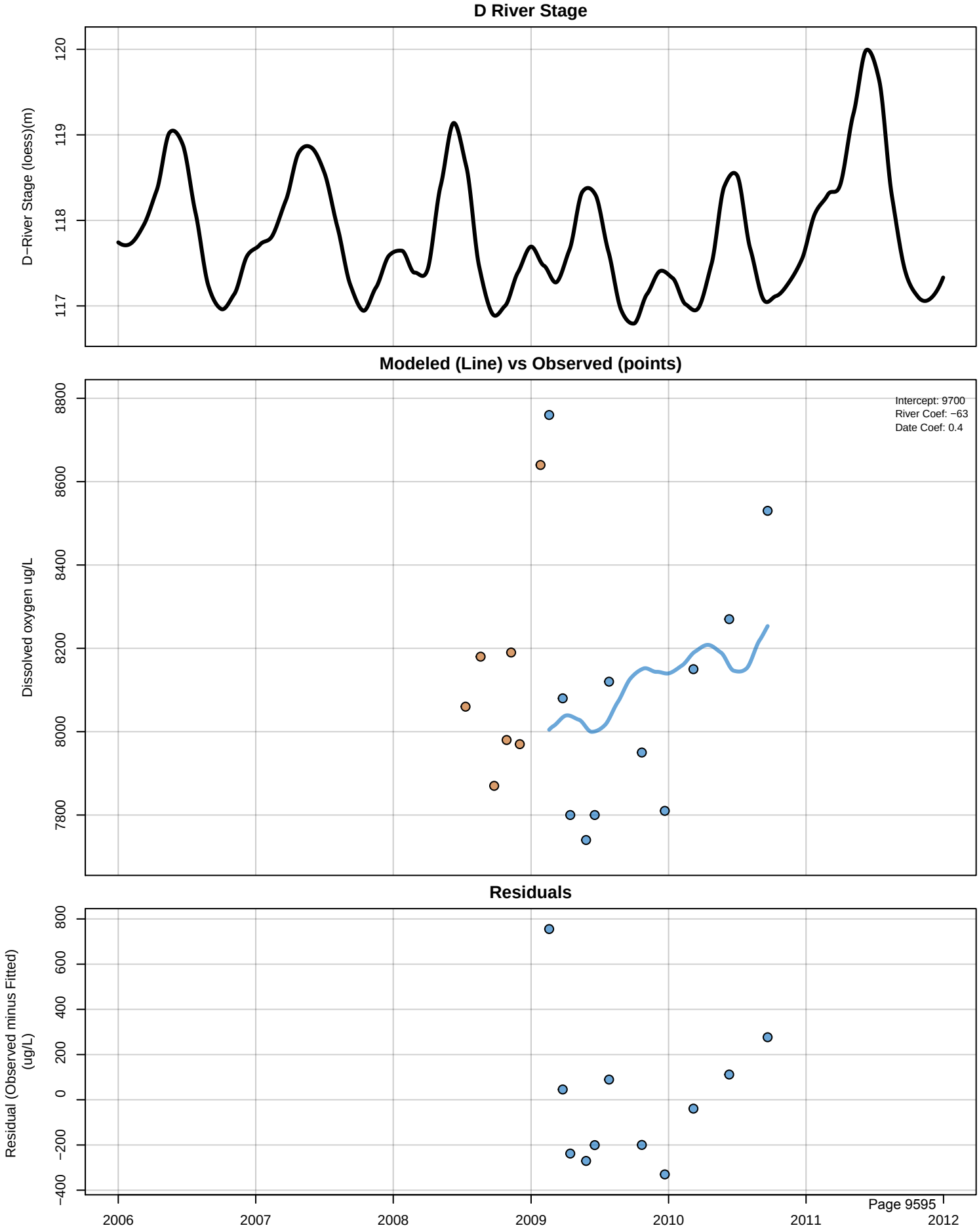


199−K−141* (366m) Lag (22 Days)

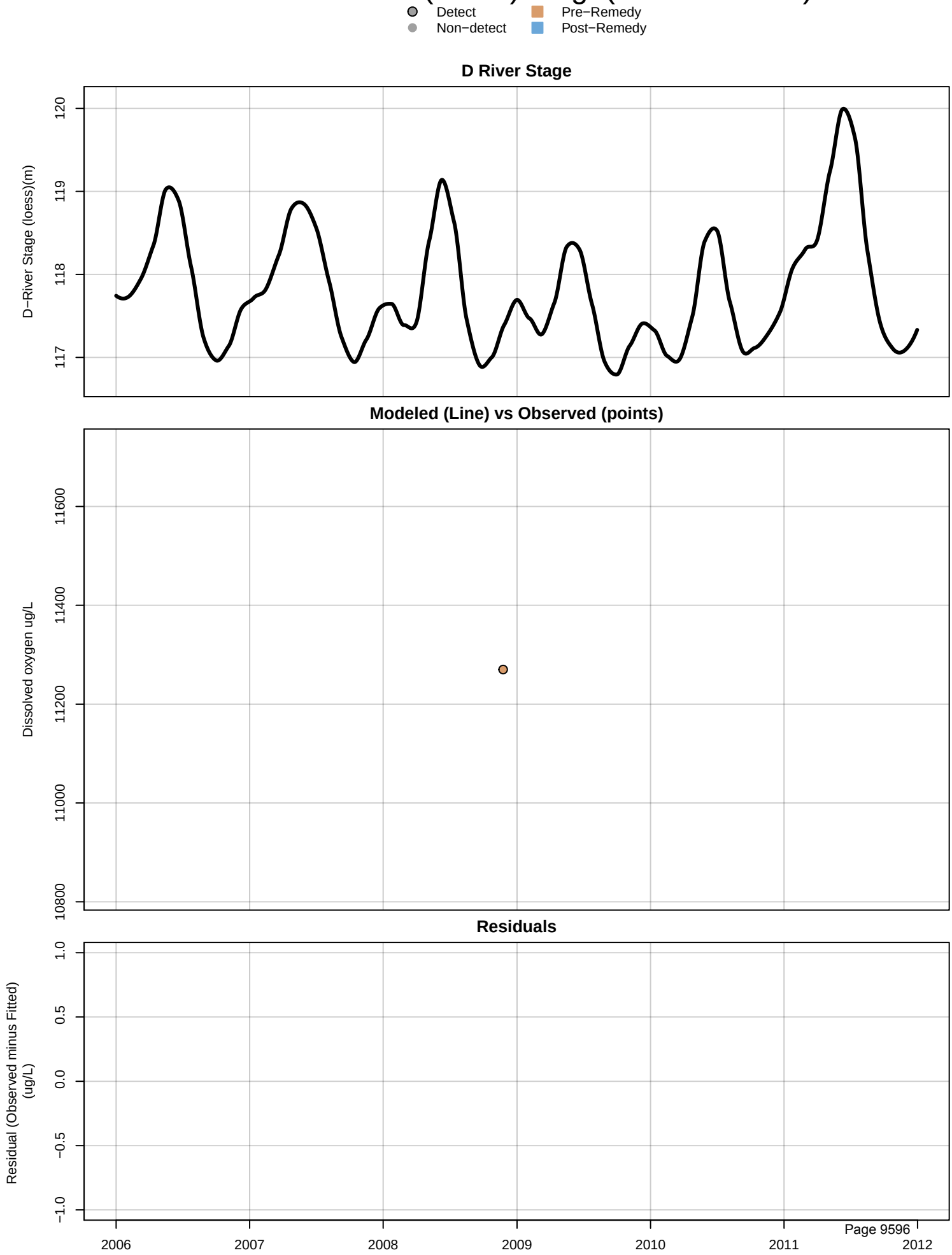


199−K−142 (391m) Lag (25 Days)

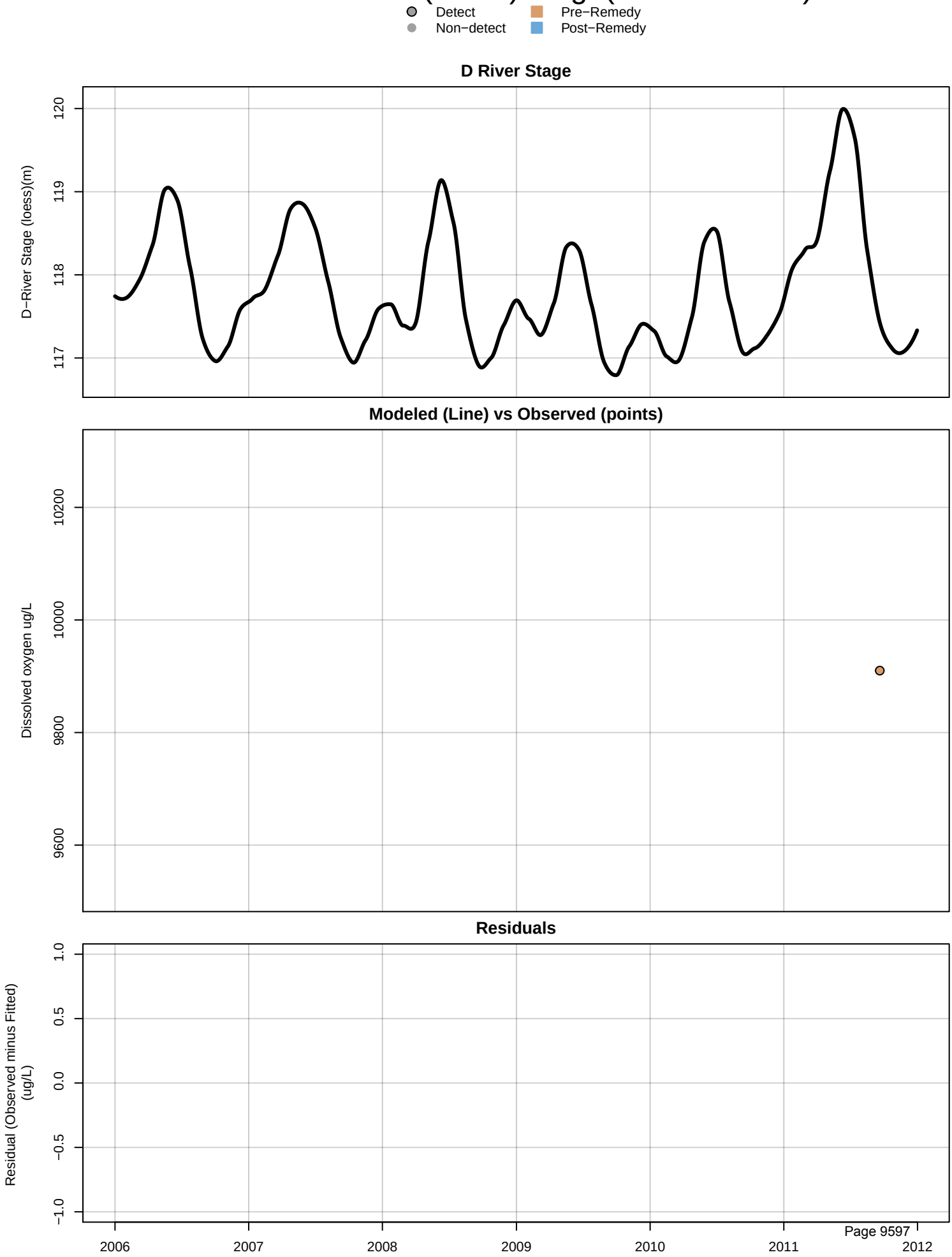
Detect
Non−detect
Pre−Remedy
Post−Remedy



199−K−146* (100m) Lag (Indeterminate)

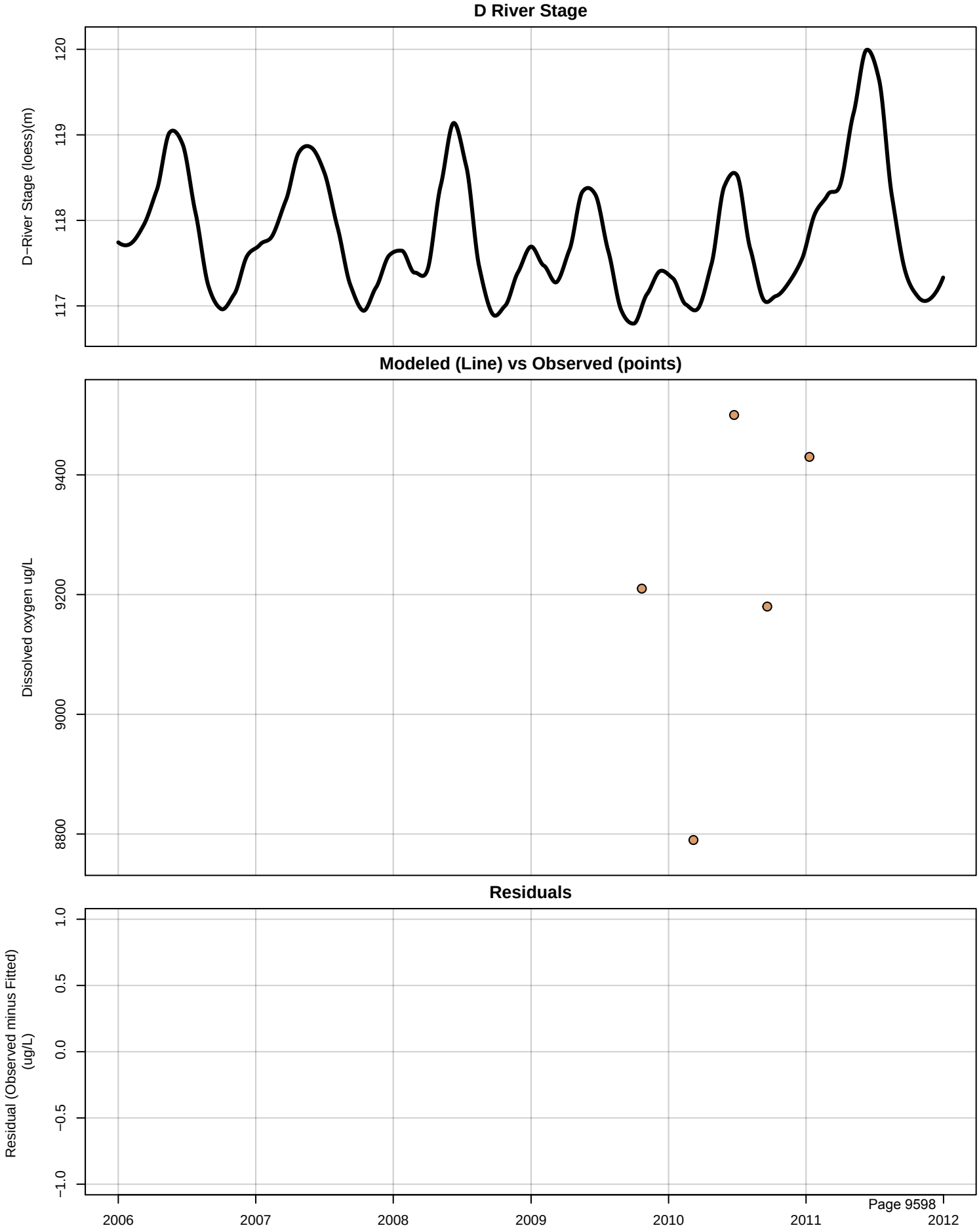


199−K−149* (141m) Lag (Indeterminate)

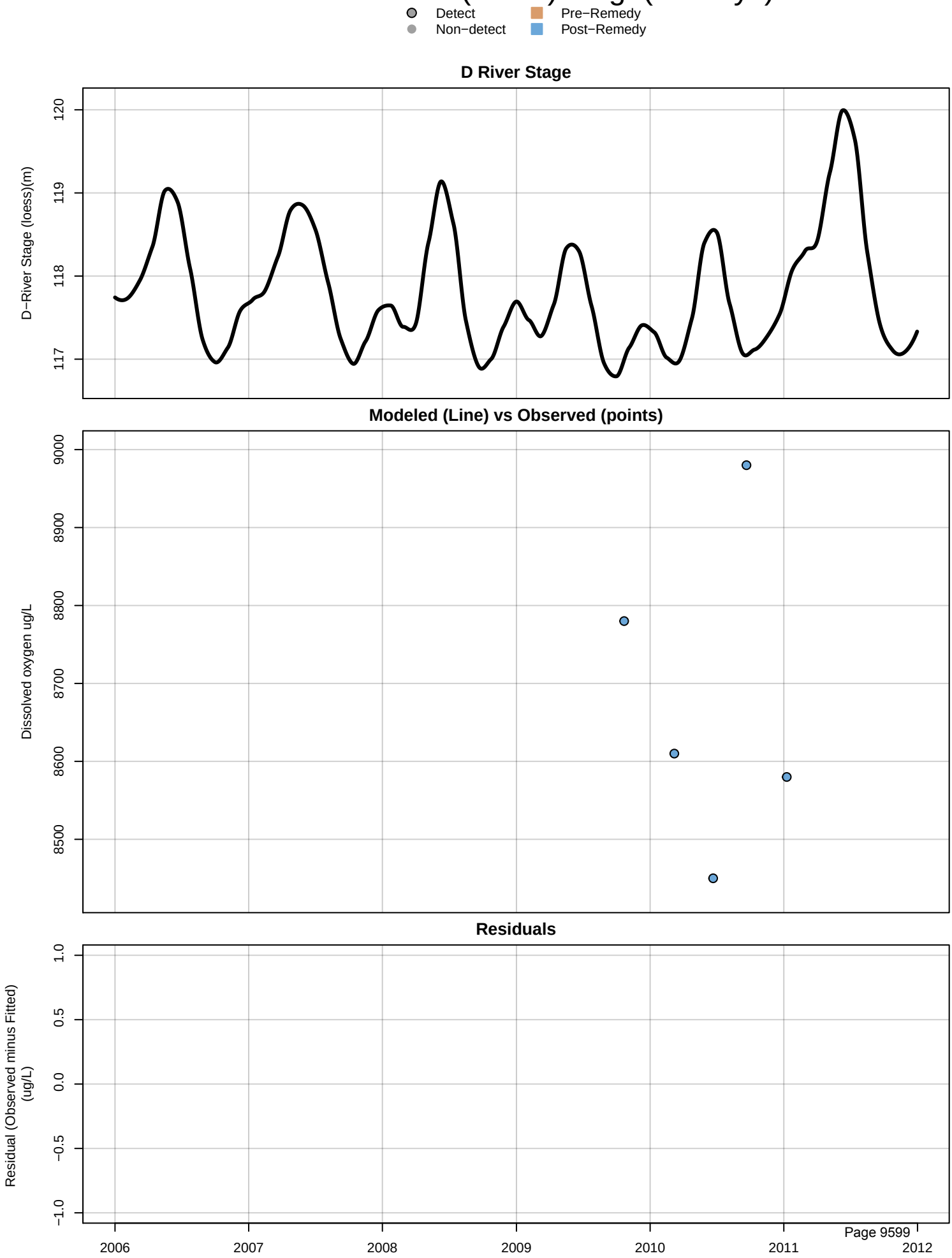


199−K−151 (461m) Lag (40 Days)

Detect
Non−detect
Pre−Remedy
Post−Remedy

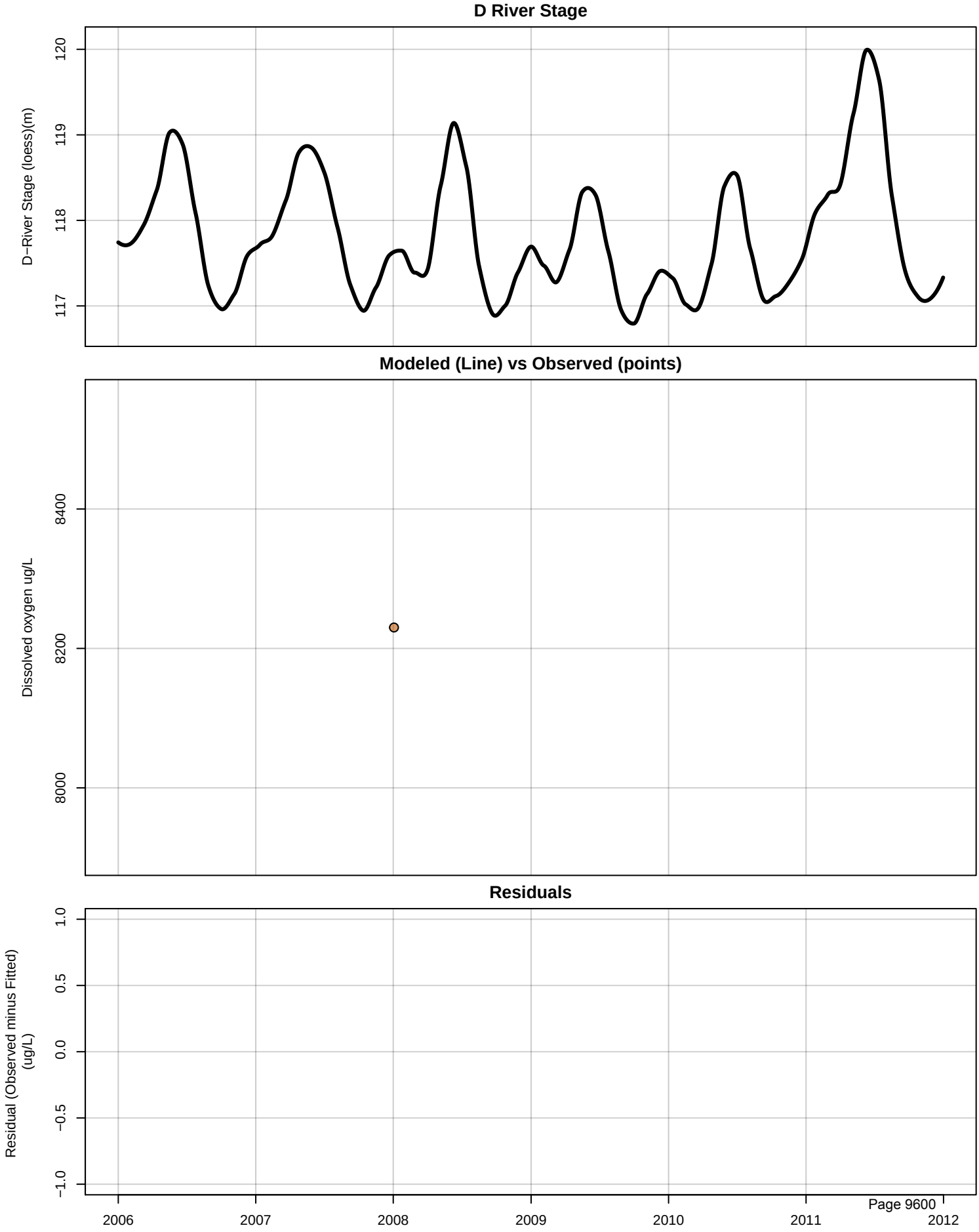


199−K−152* (373m) Lag (54 Days)



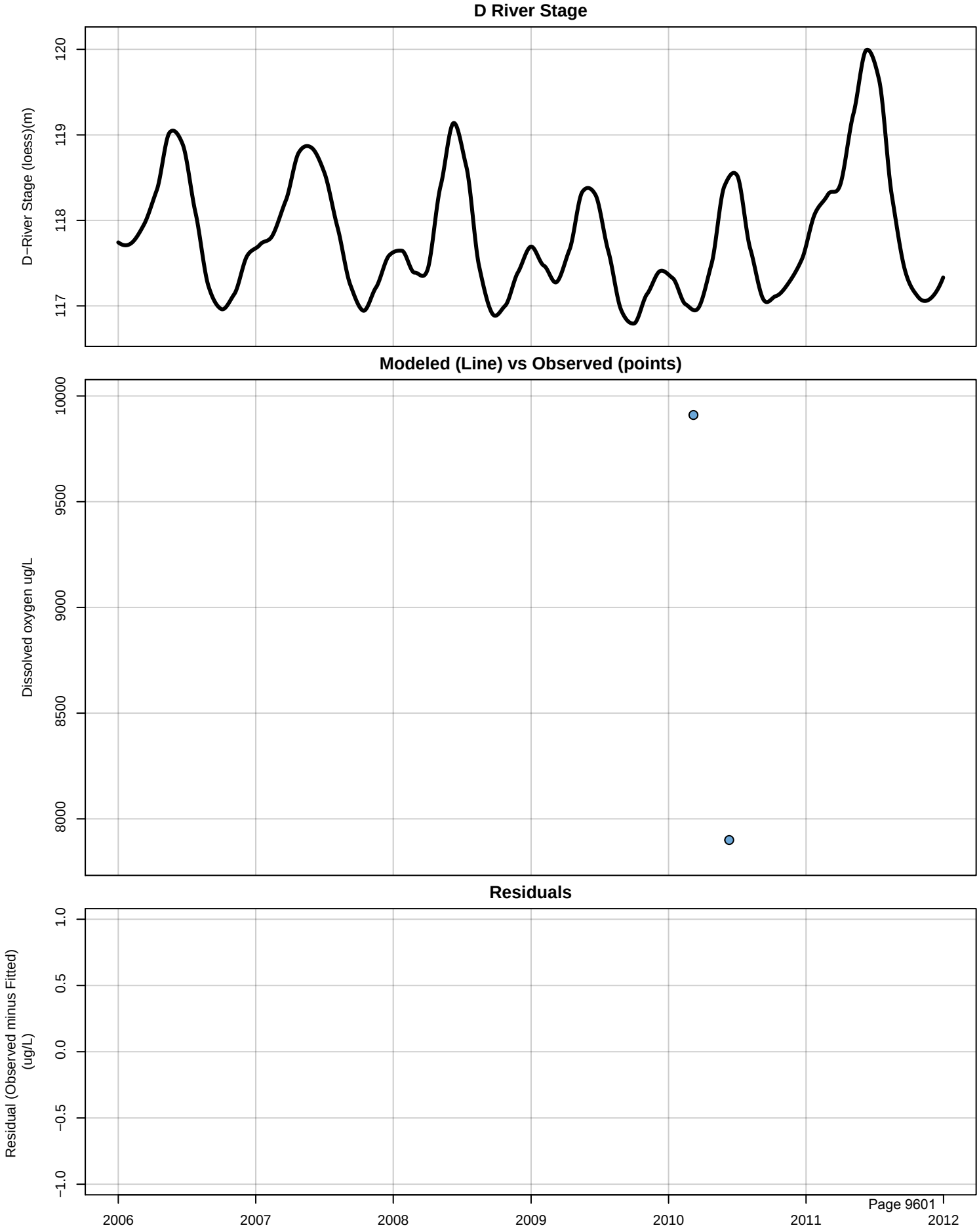
199−K−153* (455m) Lag (63 Days)

Detect
Non−detect
Pre−Remedy
Post−Remedy



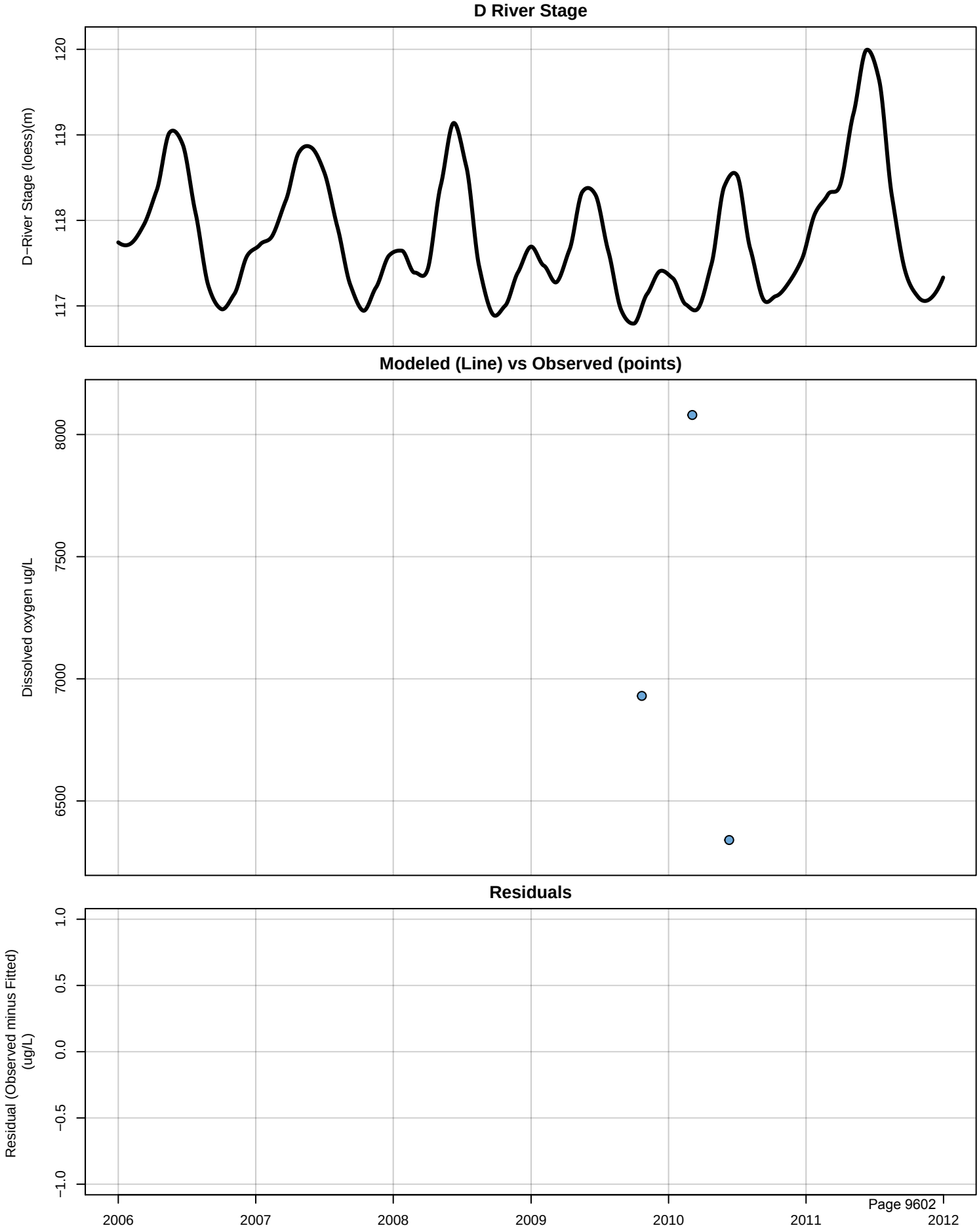
199−K−157 (445m) Lag (37 Days)

Detect
Non−detect
Pre−Remedy
Post−Remedy

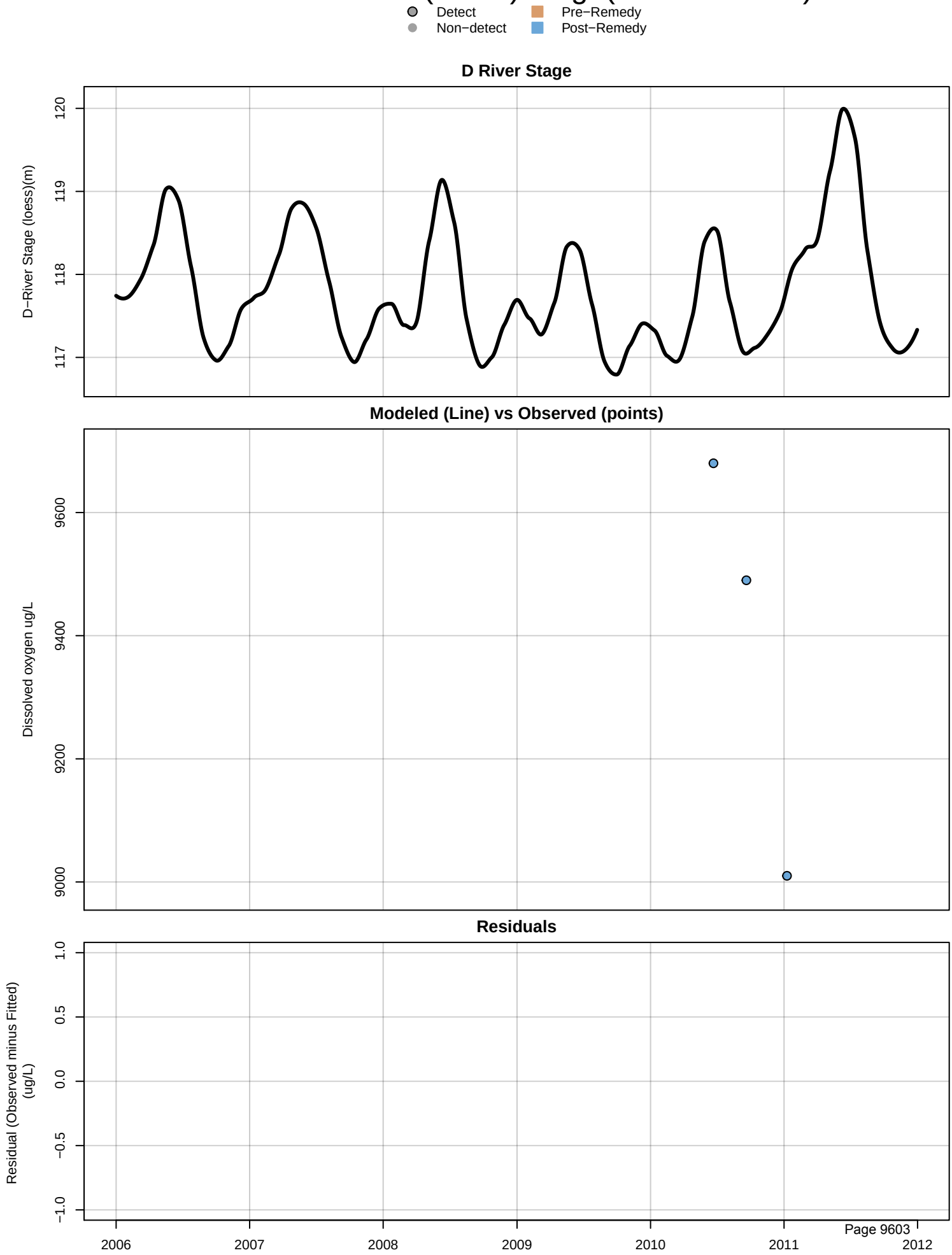


199−K−18 (235m) Lag (26 Days)

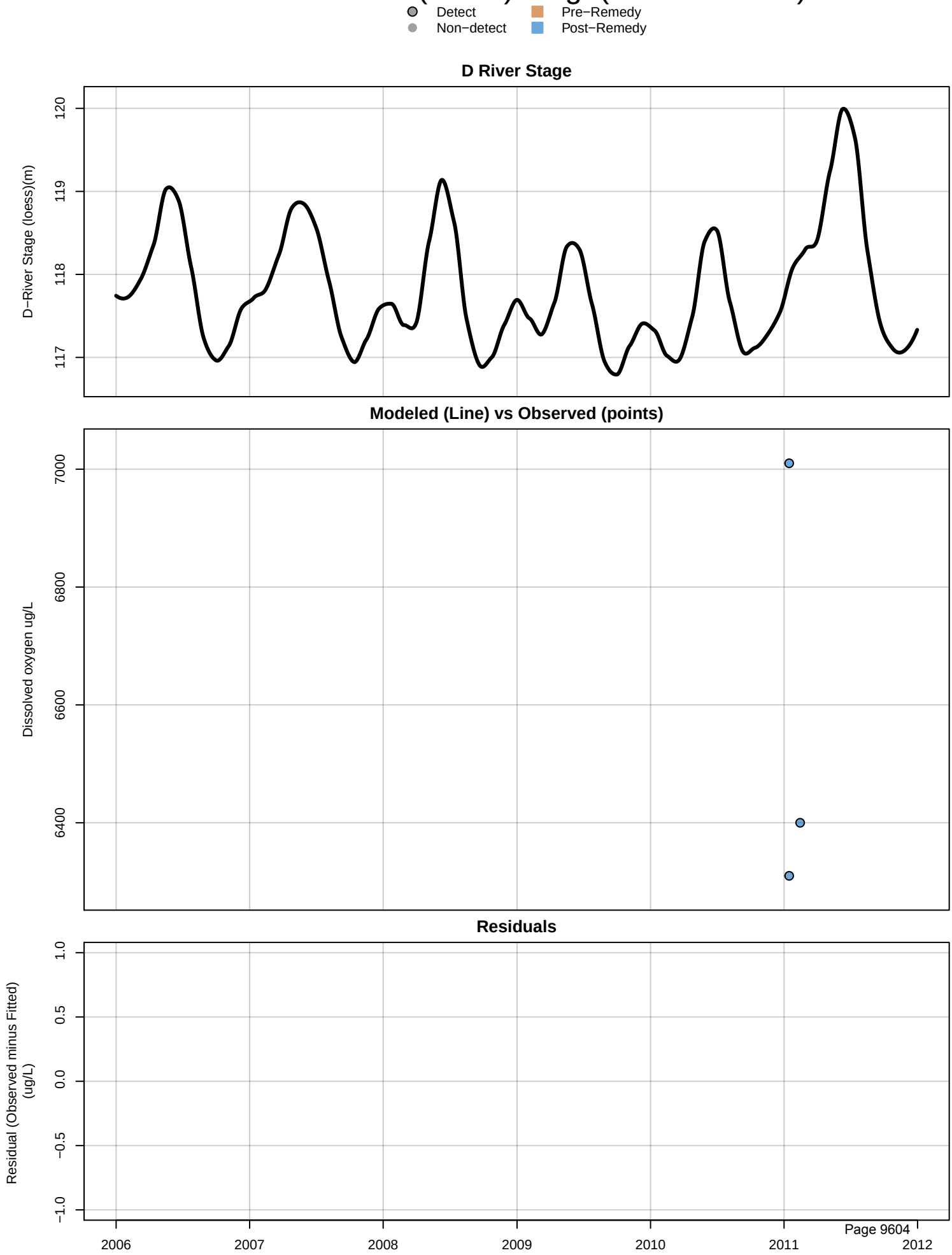
Detect
Non−detect
Pre−Remedy
Post−Remedy



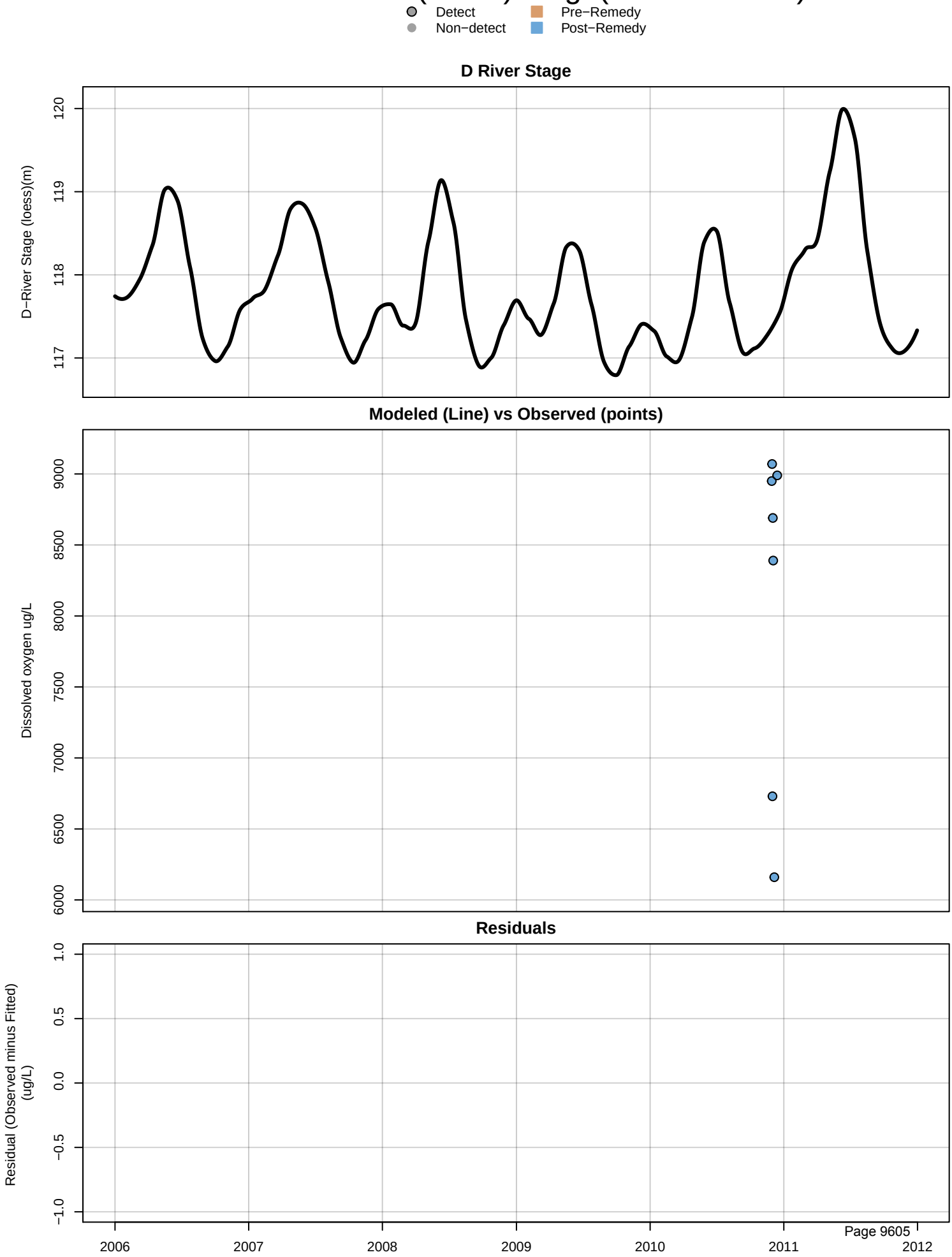
199−K−182* (866m) Lag (Indeterminate)



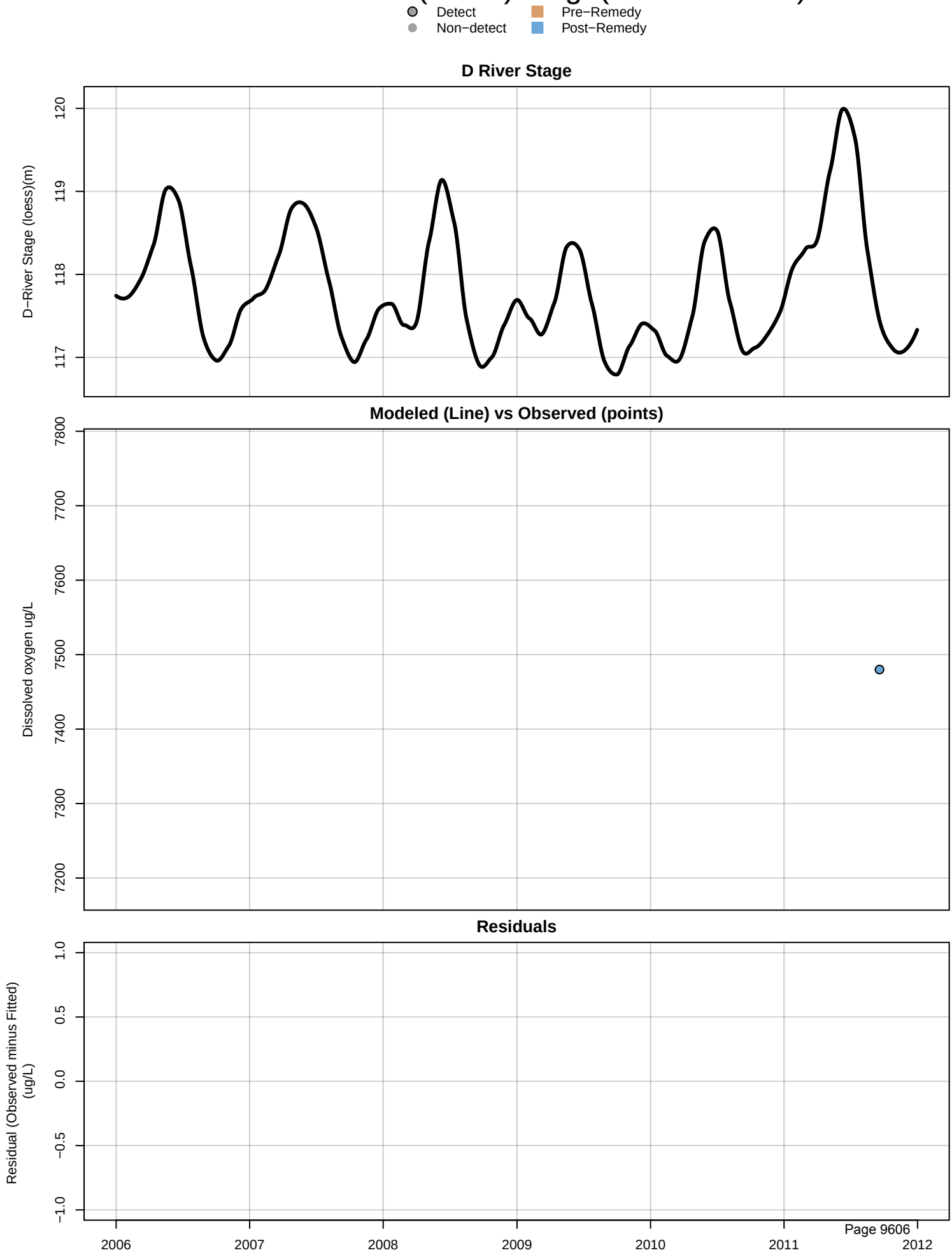
199−K−186 (634m) Lag (Indeterminate)



199−K−195 (850m) Lag (Indeterminate)

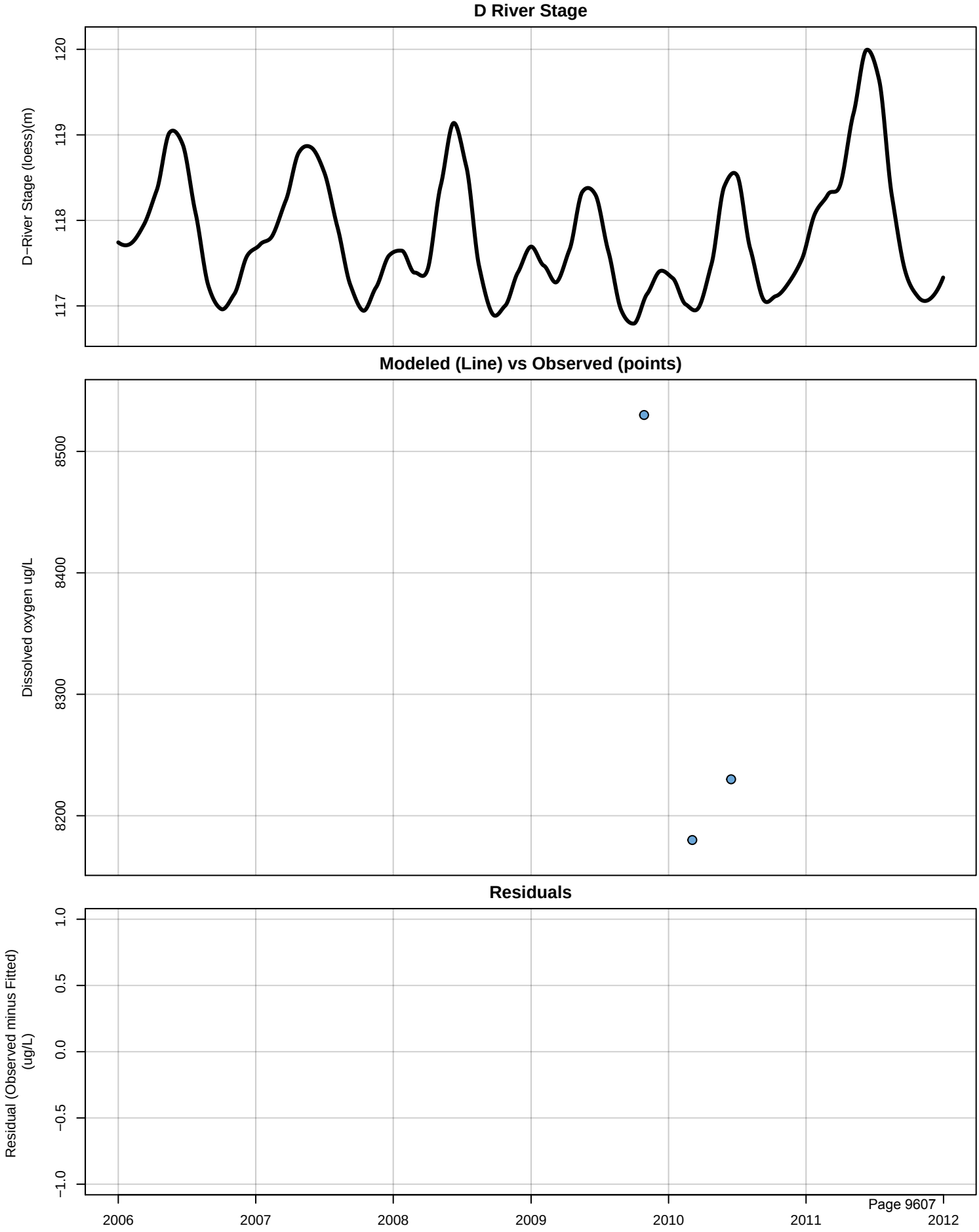


199−K−196 (168m) Lag (Indeterminate)

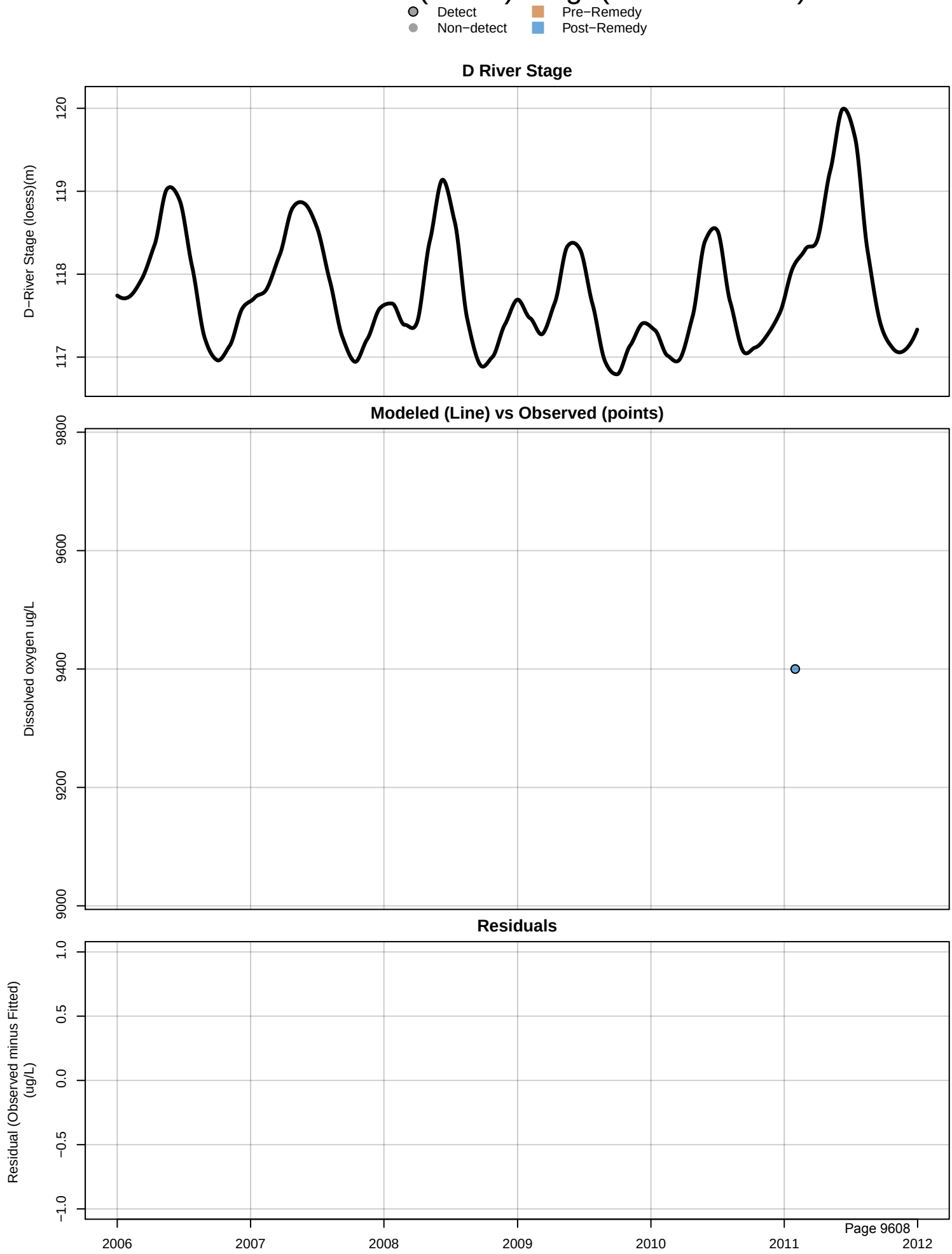


199−K−20 (134m) Lag (17 Days)

Detect
Non−detect
Pre−Remedy
Post−Remedy

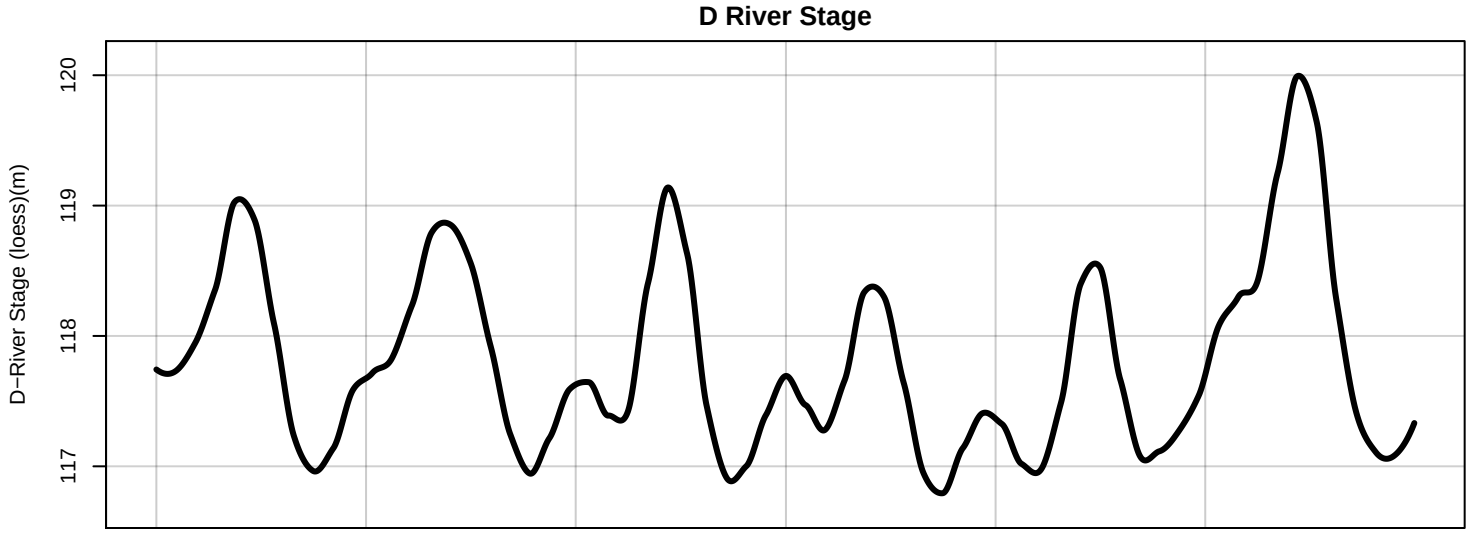


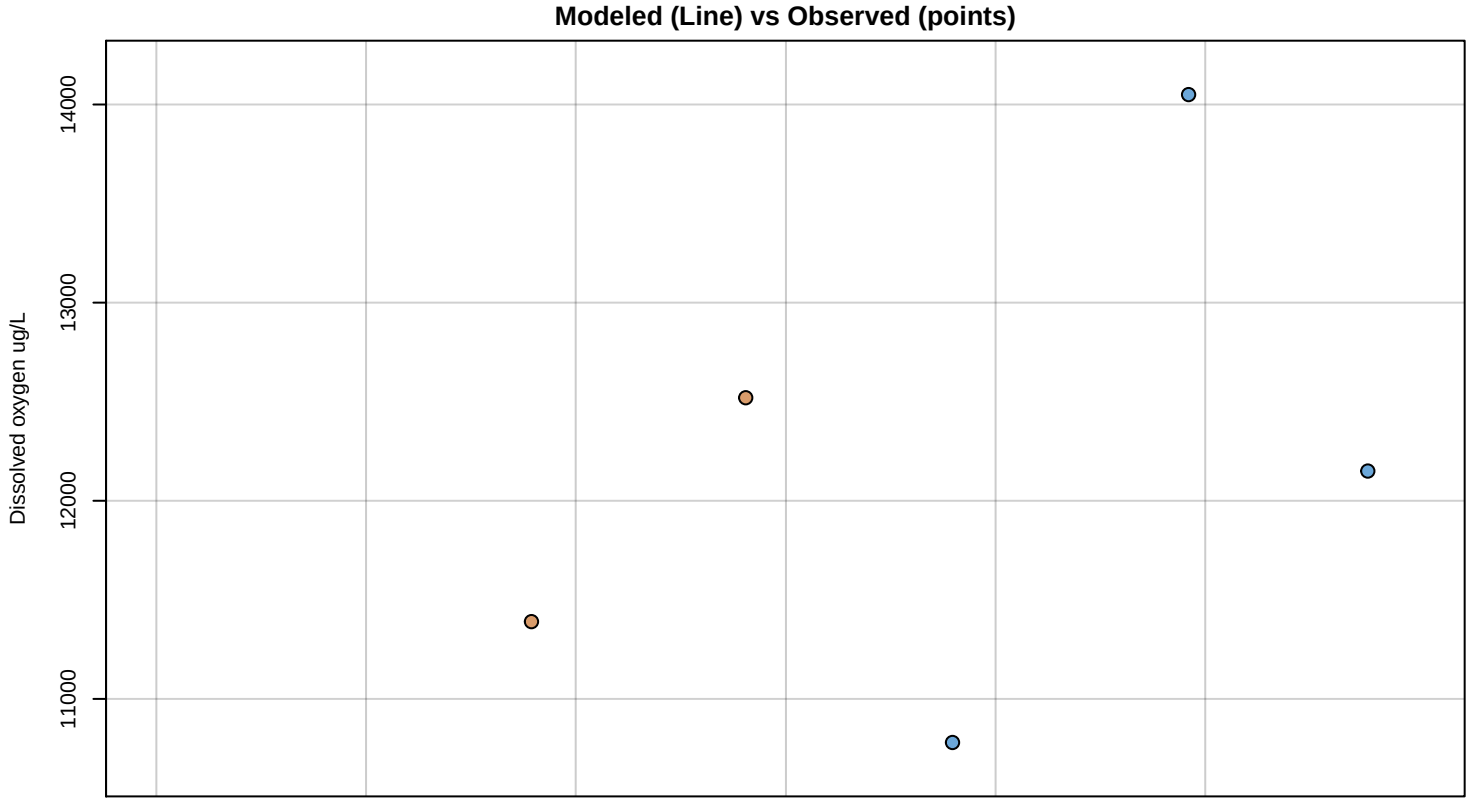
199−K−200 (386m) Lag (Indeterminate)

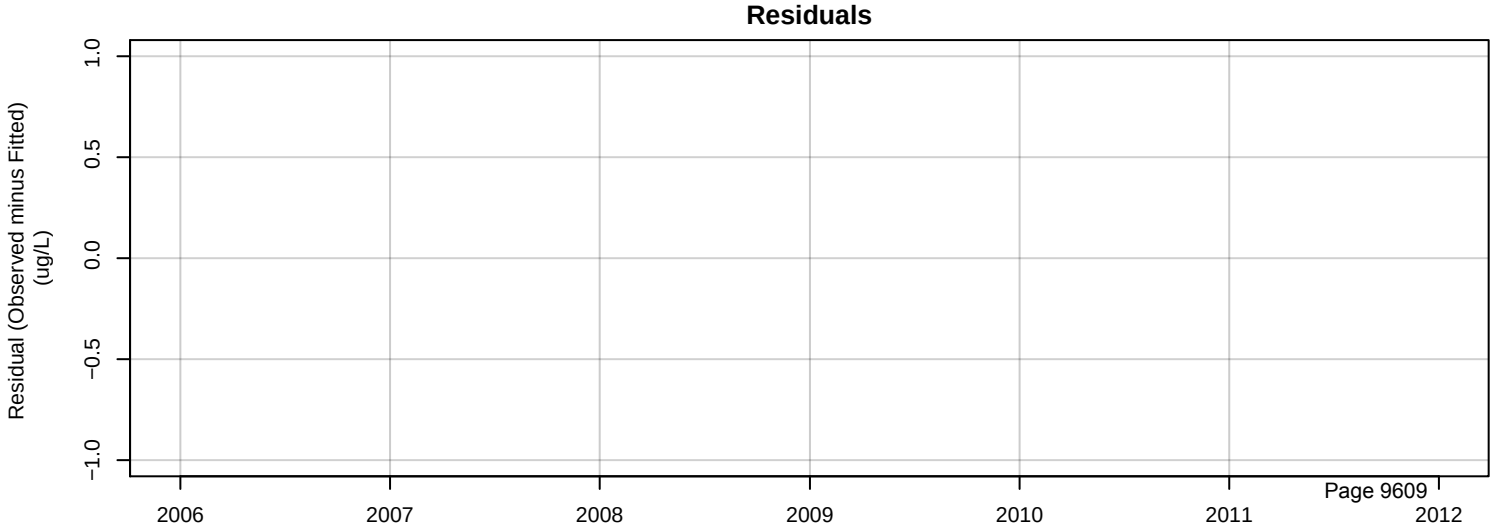


199−K−21 (145m) Lag (14 Days)

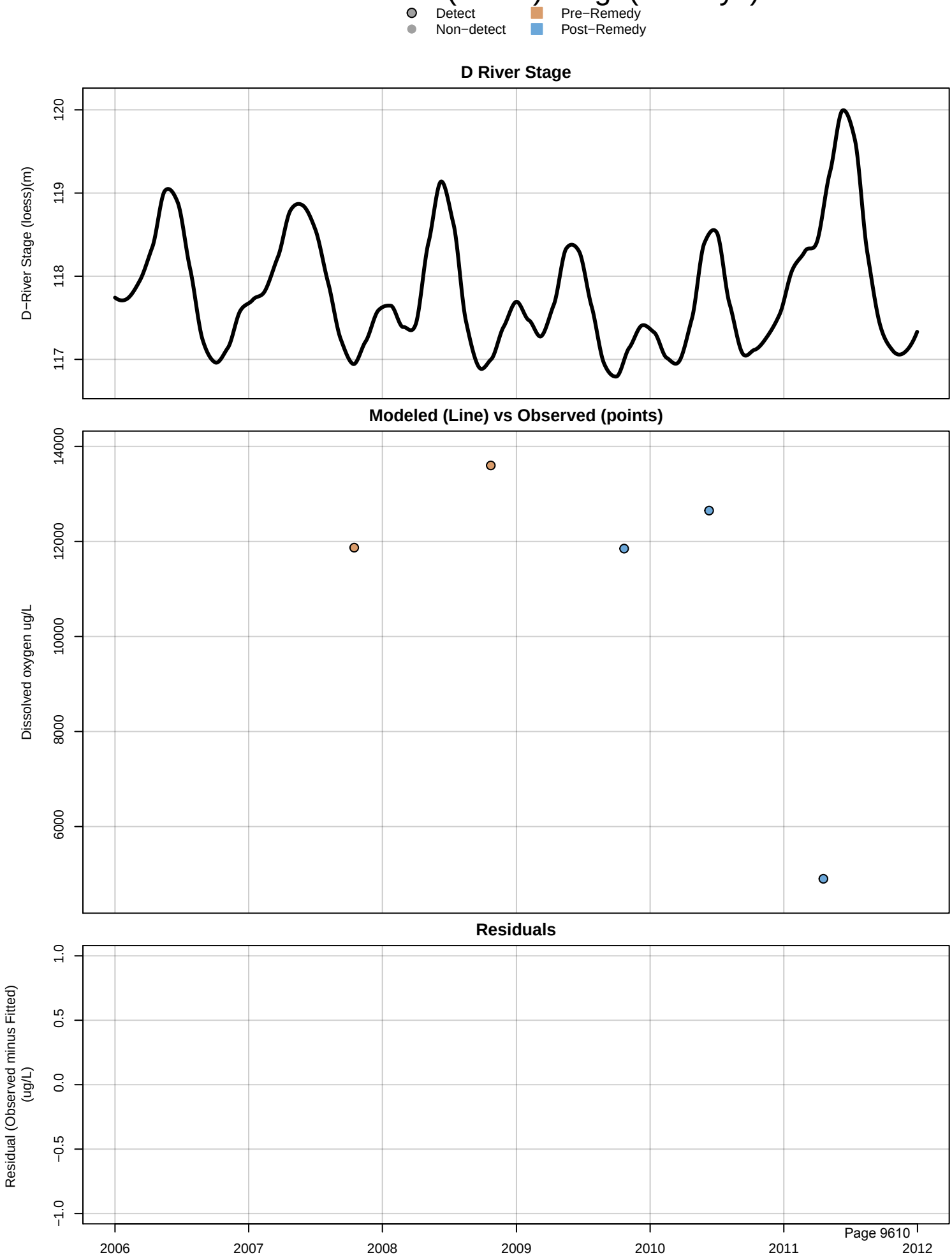
Detect
Non−detect
Pre−Remedy
Post−Remedy





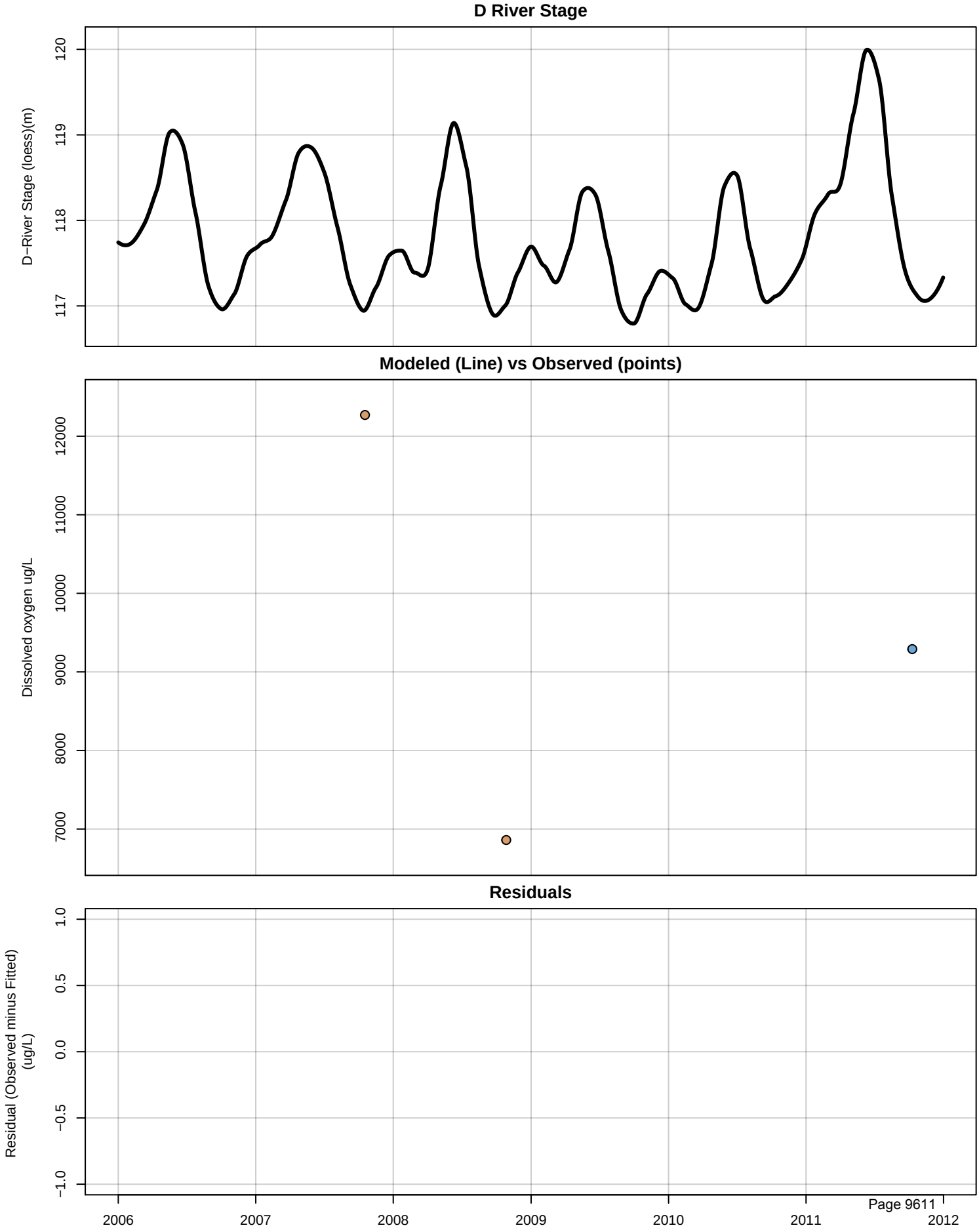


199−K−22 (218m) Lag (18 Days)



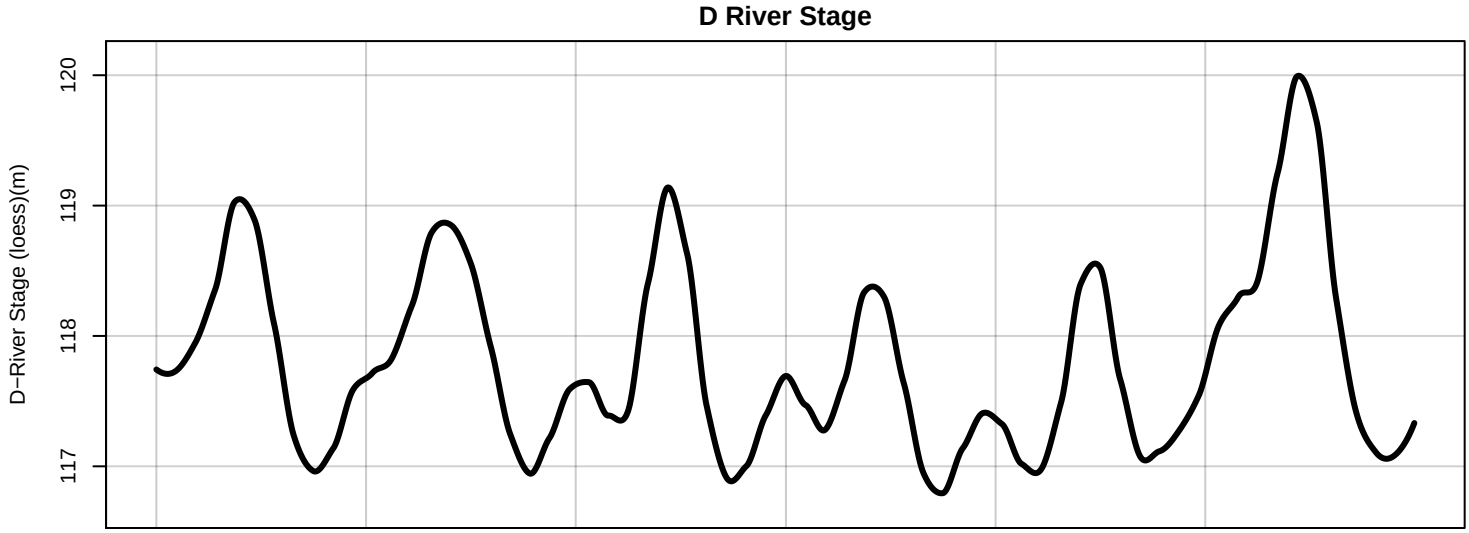
199−K−23 (542m) Lag (55 Days)

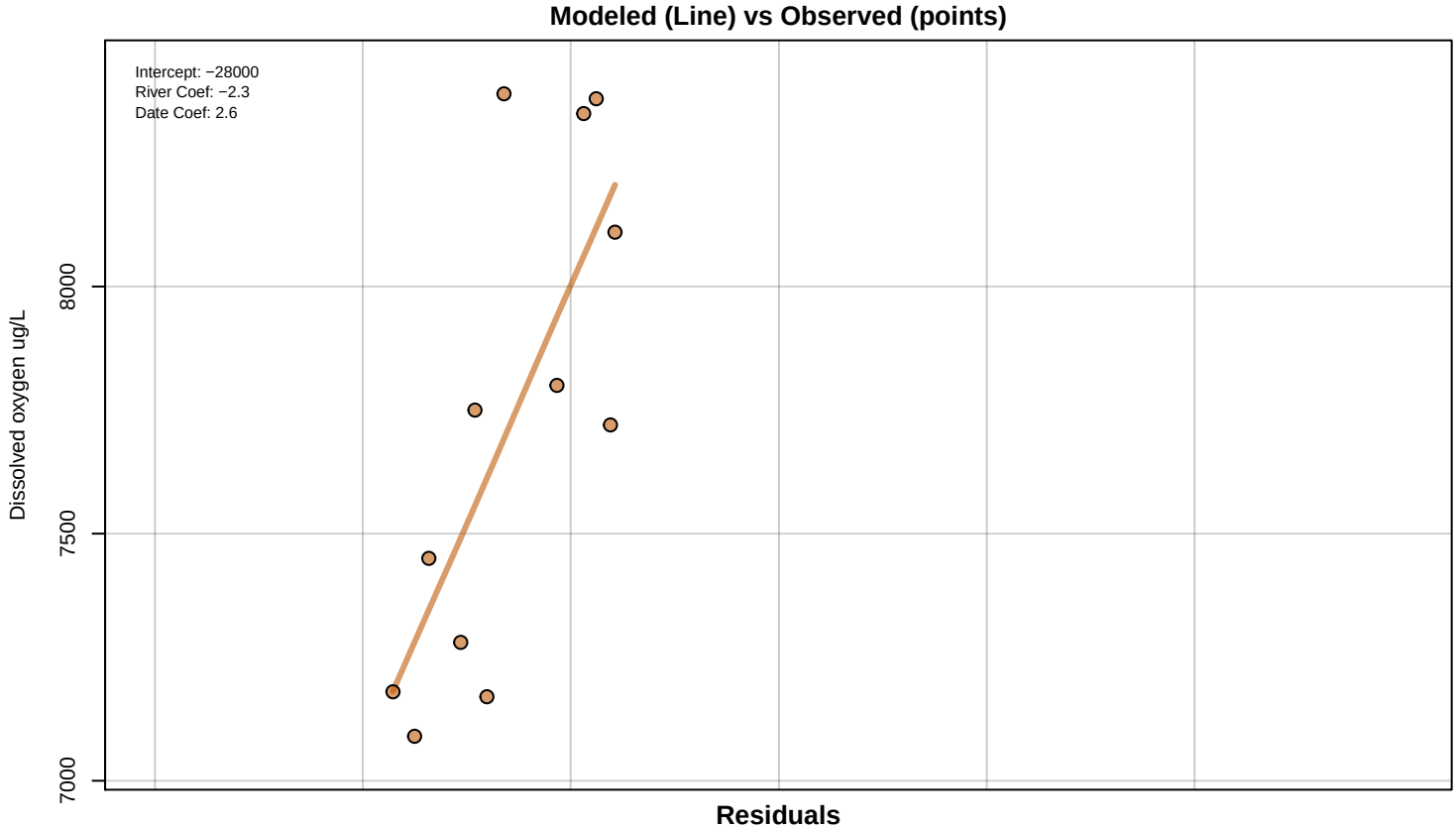
Detect
Non−detect
Pre−Remedy
Post−Remedy

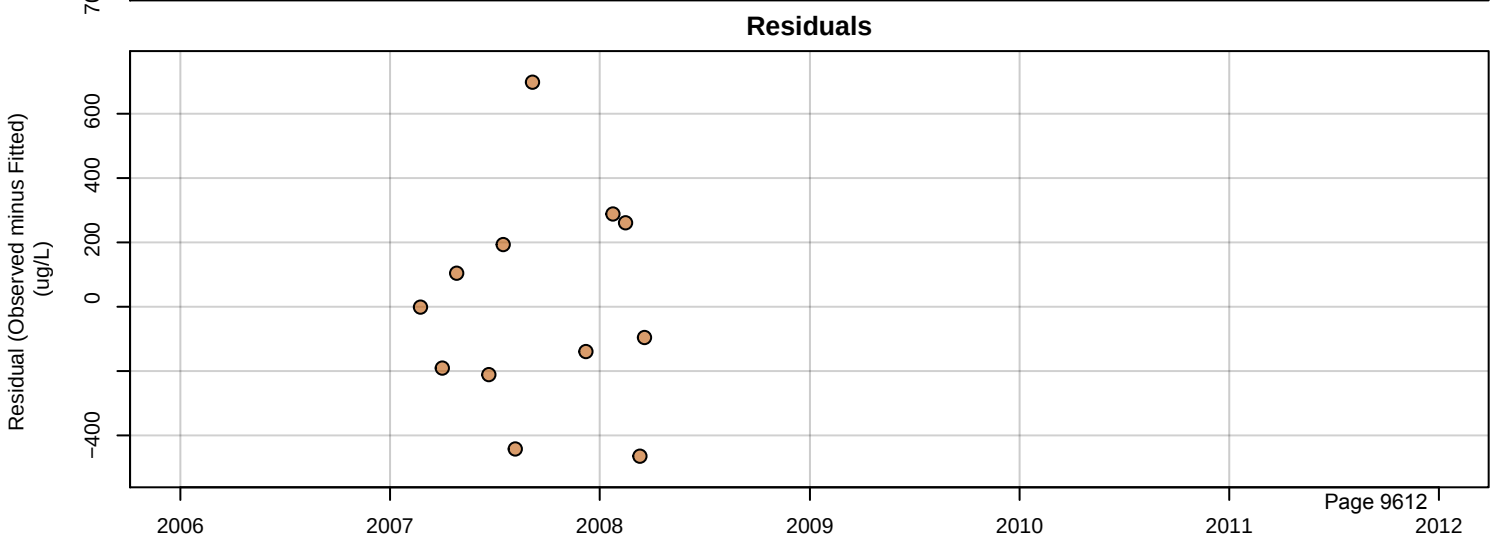


199−K−27 (501m) Lag (50 Days)

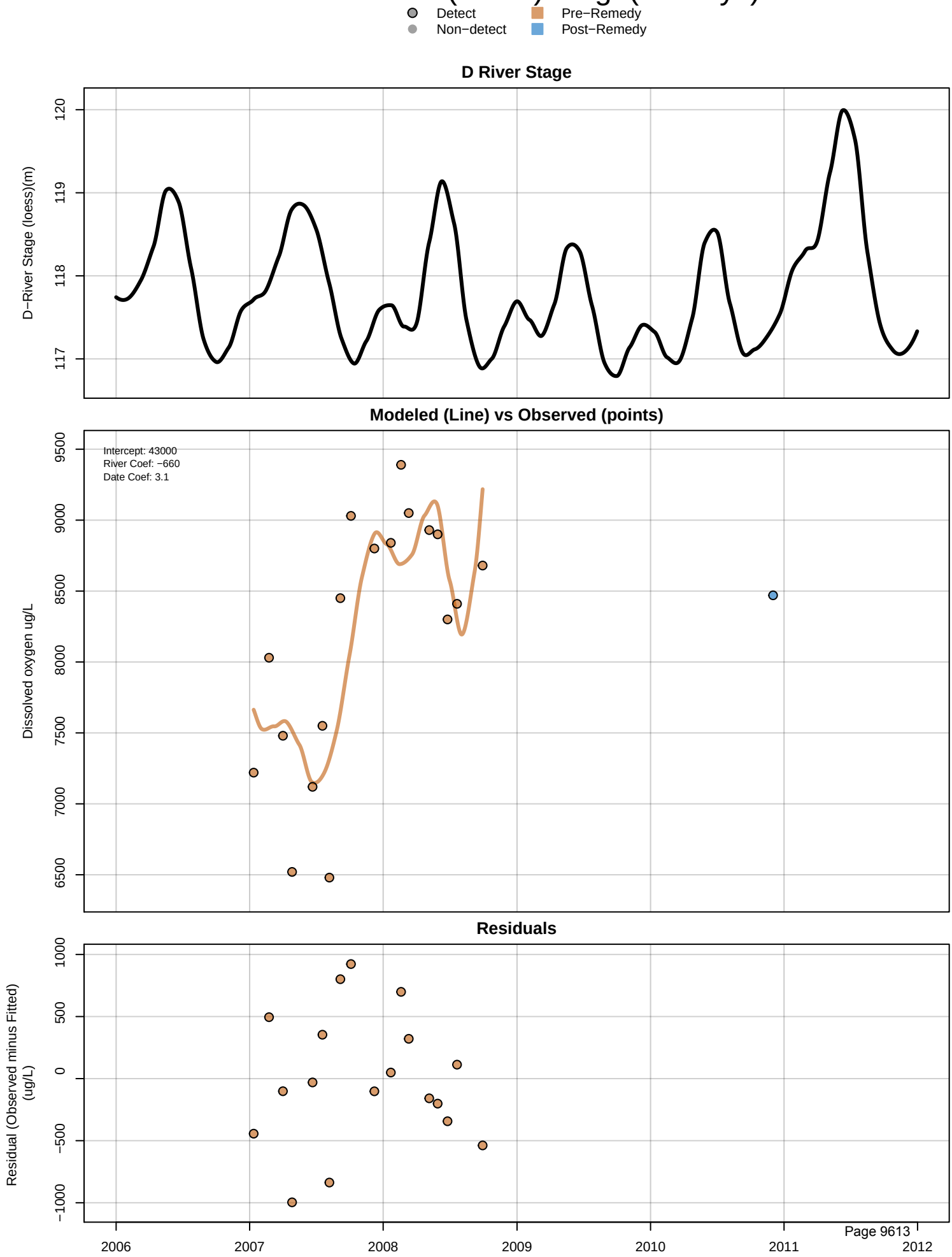
Detect
Non−detect
Pre−Remedy
Post−Remedy





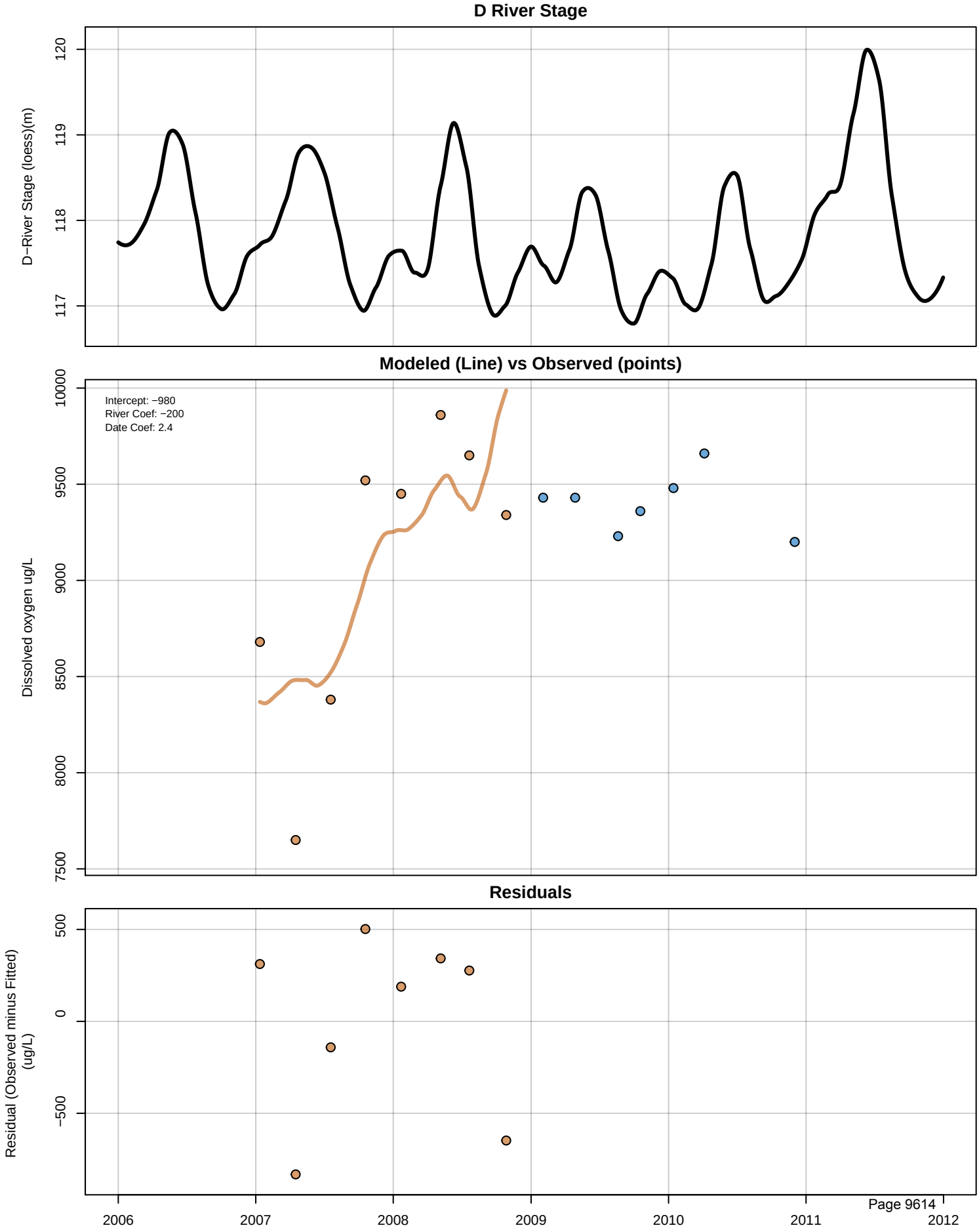


199−K−29 (519m) Lag (56 Days)



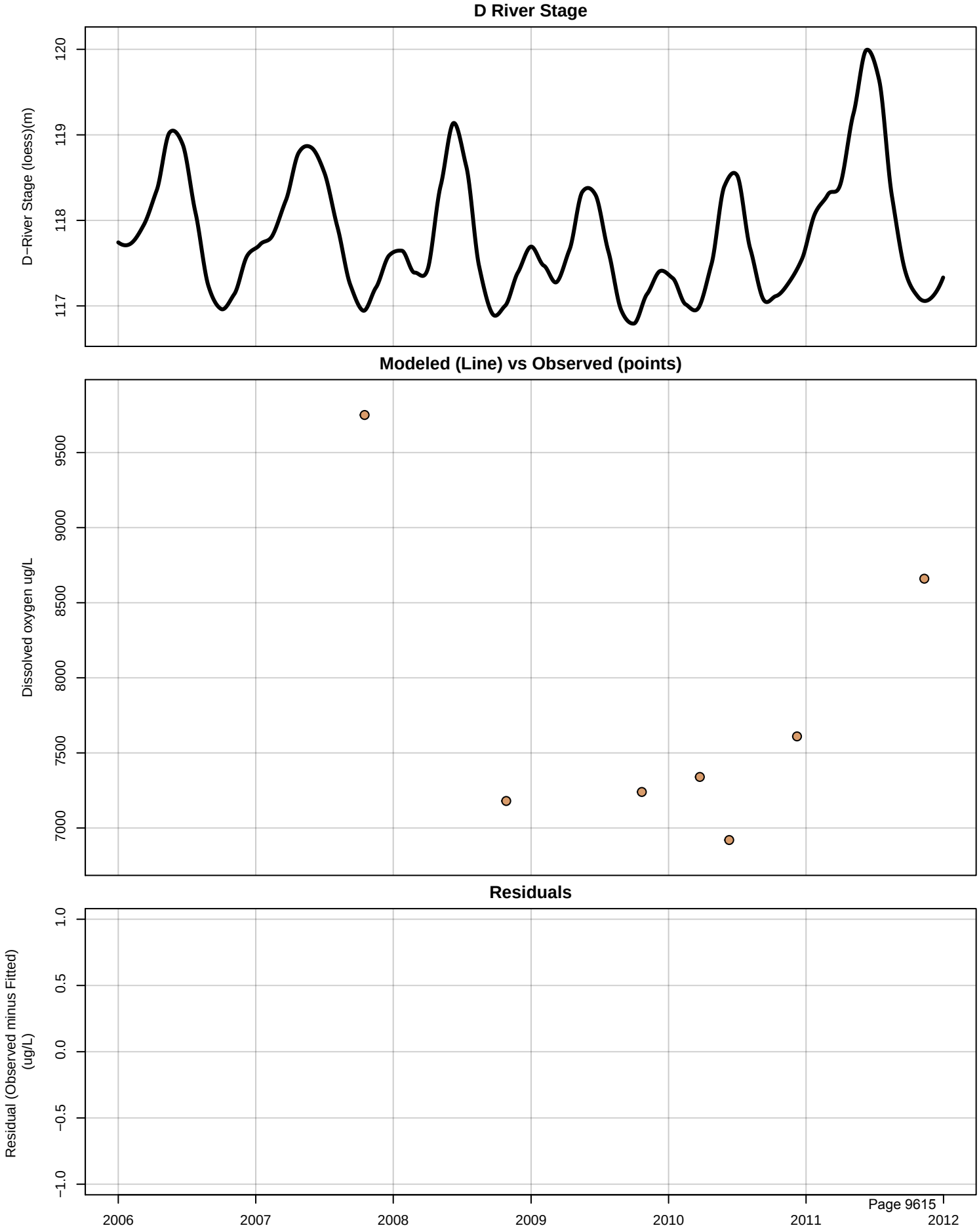
199−K−30 (548m) Lag (52 Days)

Detect
Non−detect
Pre−Remedy
Post−Remedy



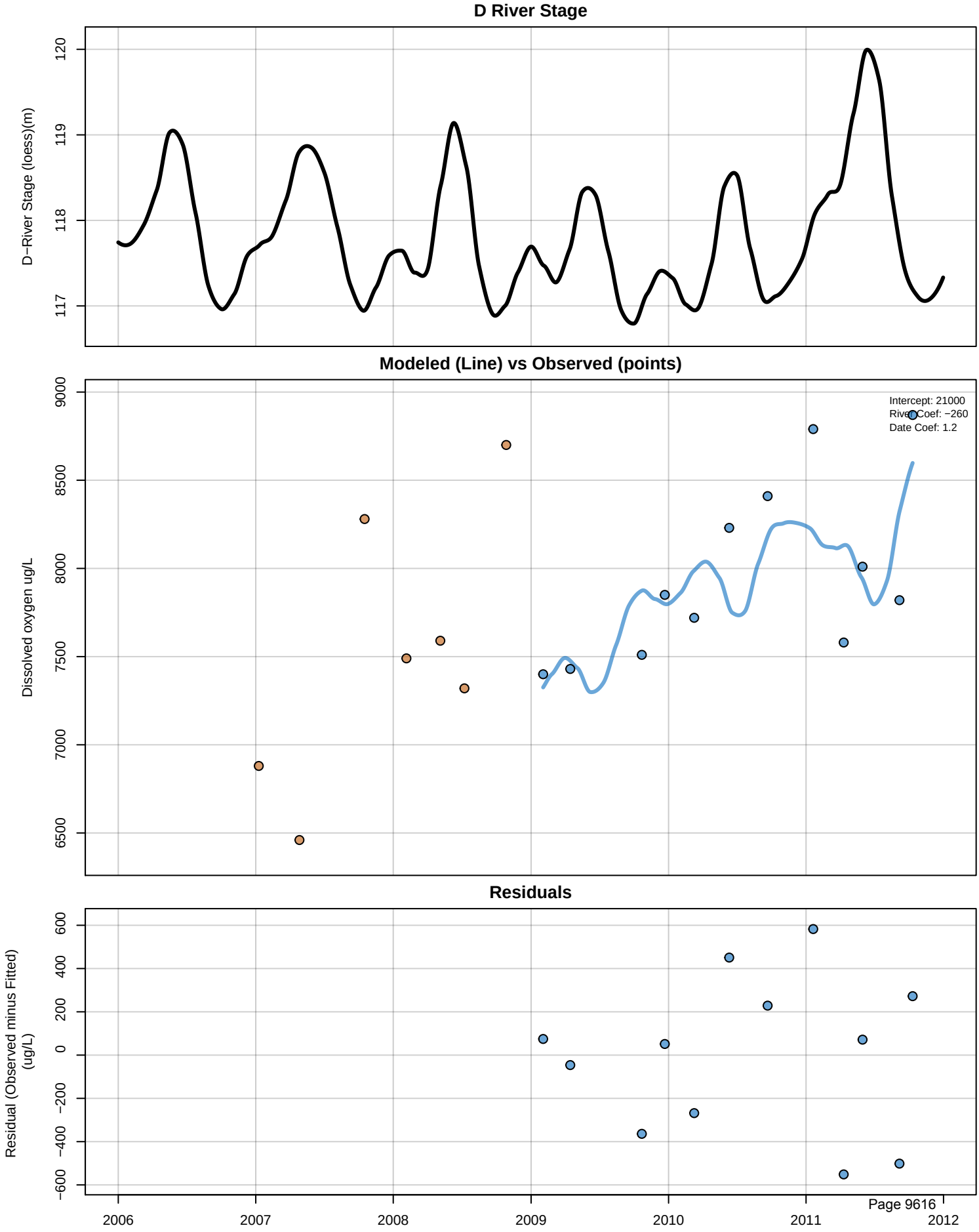
199−K−31 (63m) Lag (7 Days)

Detect
Non−detect
Pre−Remedy
Post−Remedy

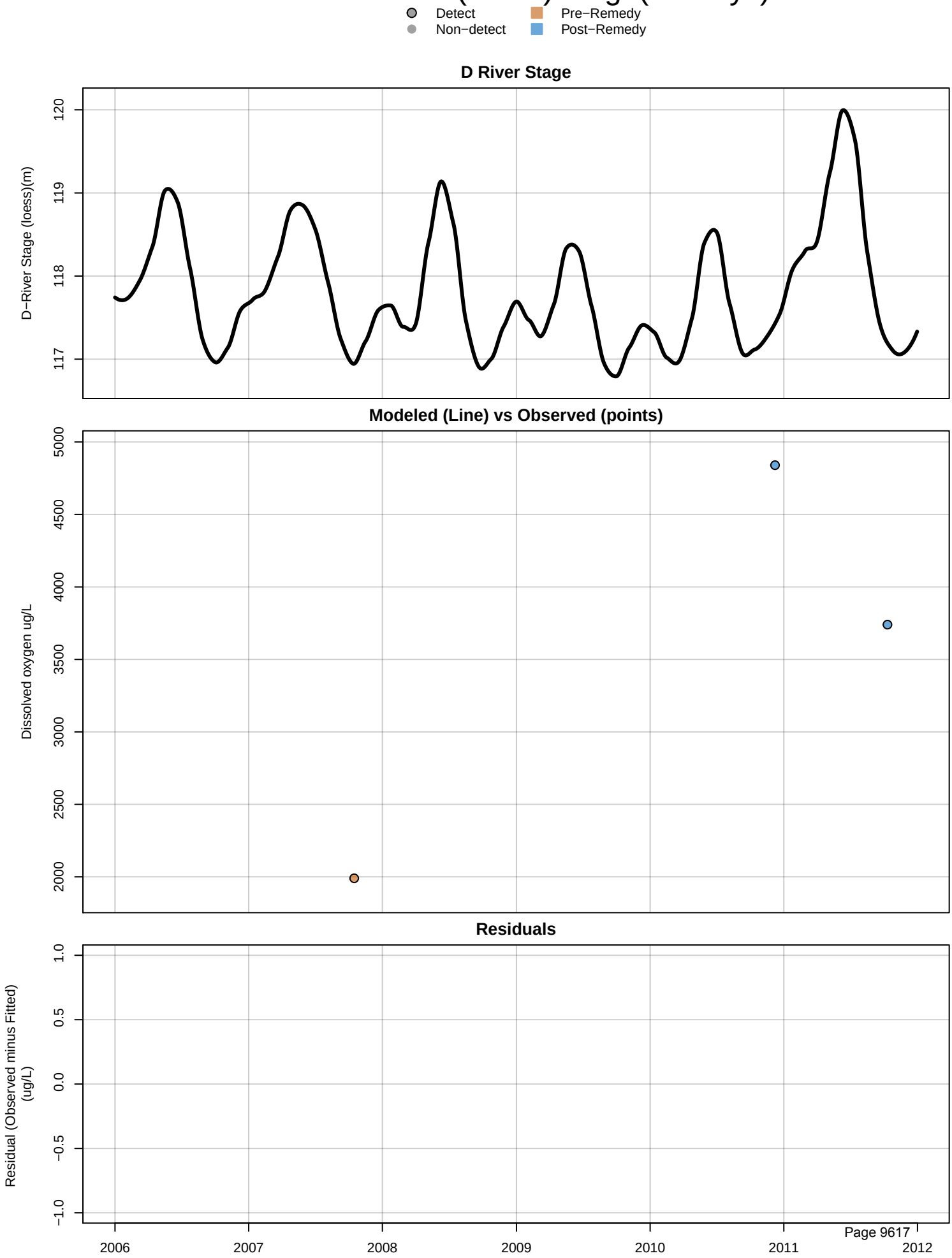


199−K−32A (237m) Lag (21 Days)

Detect
Non−detect
Pre−Remedy
Post−Remedy

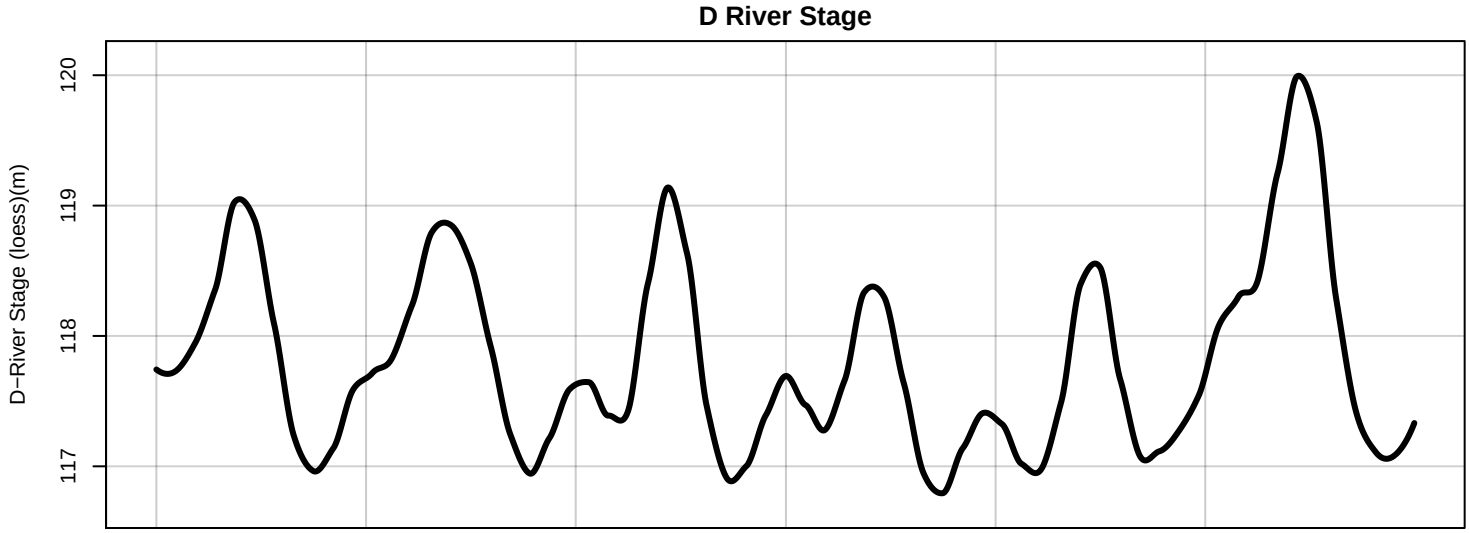


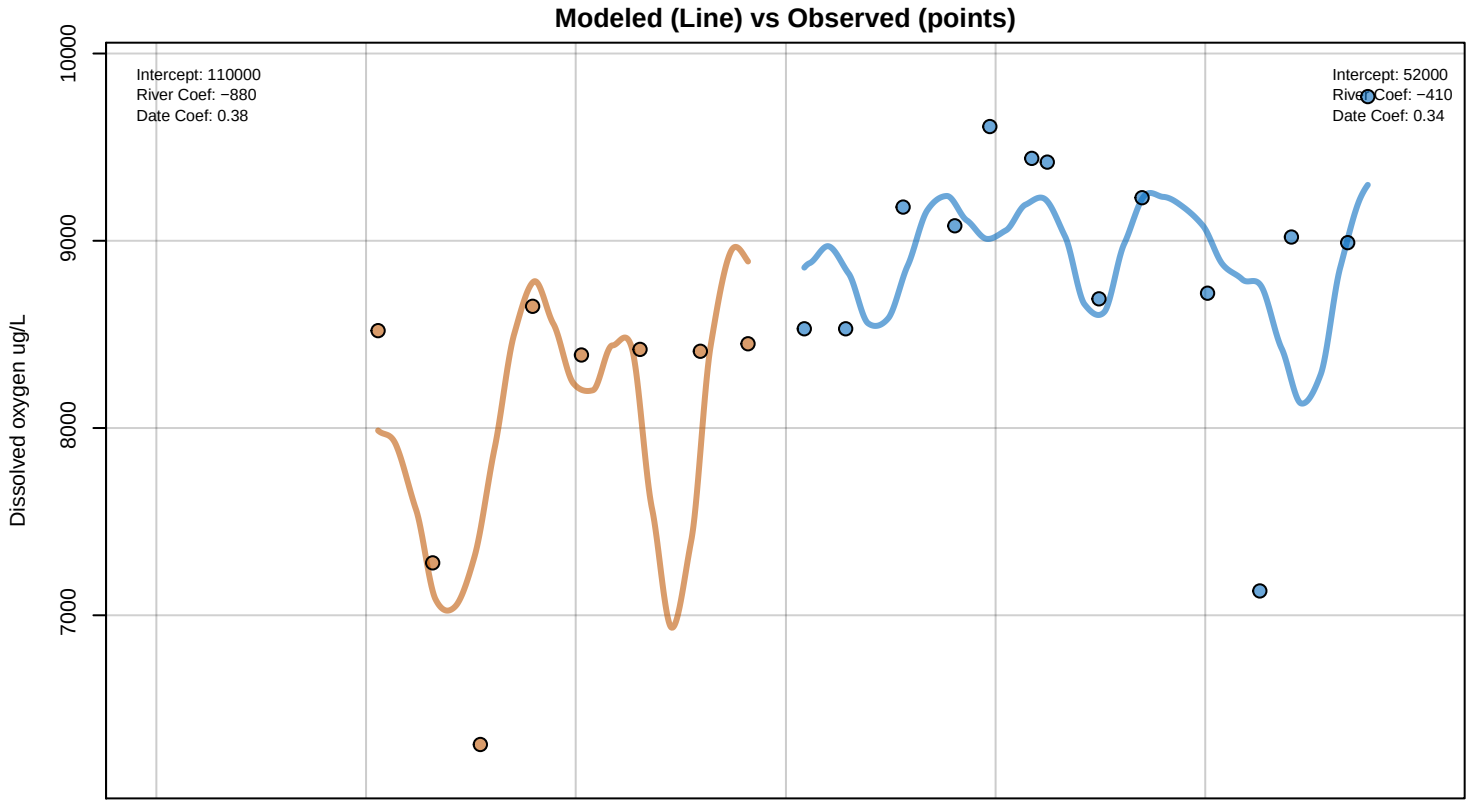
199−K−32B (230m) Lag (25 Days)

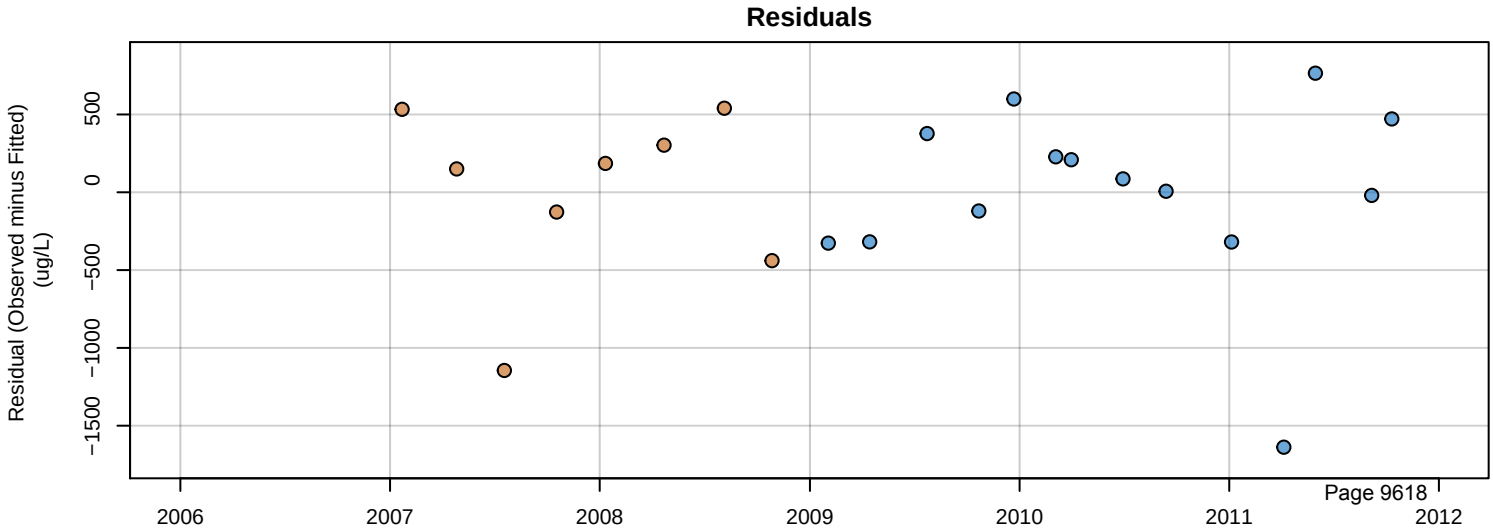


199−K−34 (383m) Lag (7 Days)

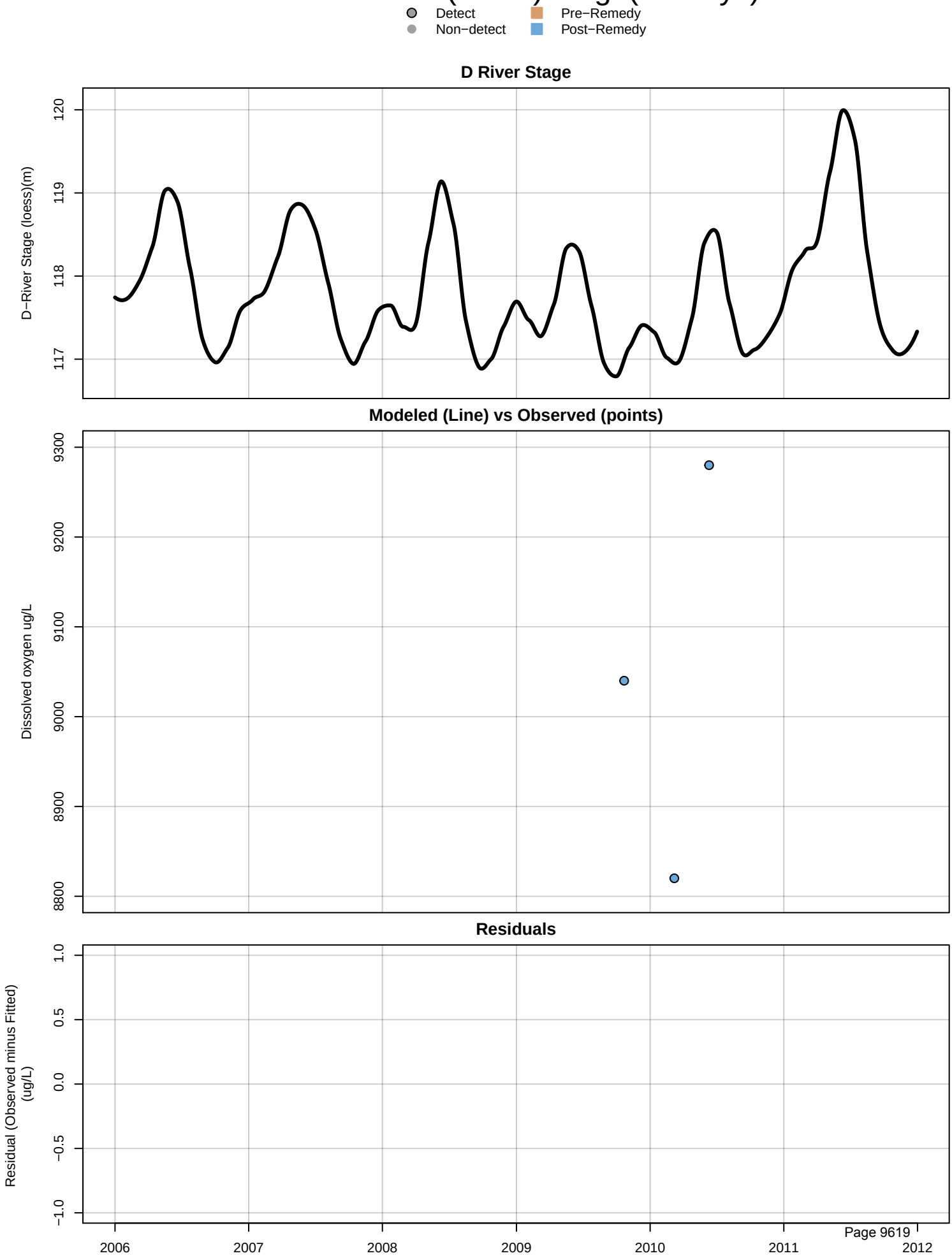
Detect
Non−detect
Pre−Remedy
Post−Remedy





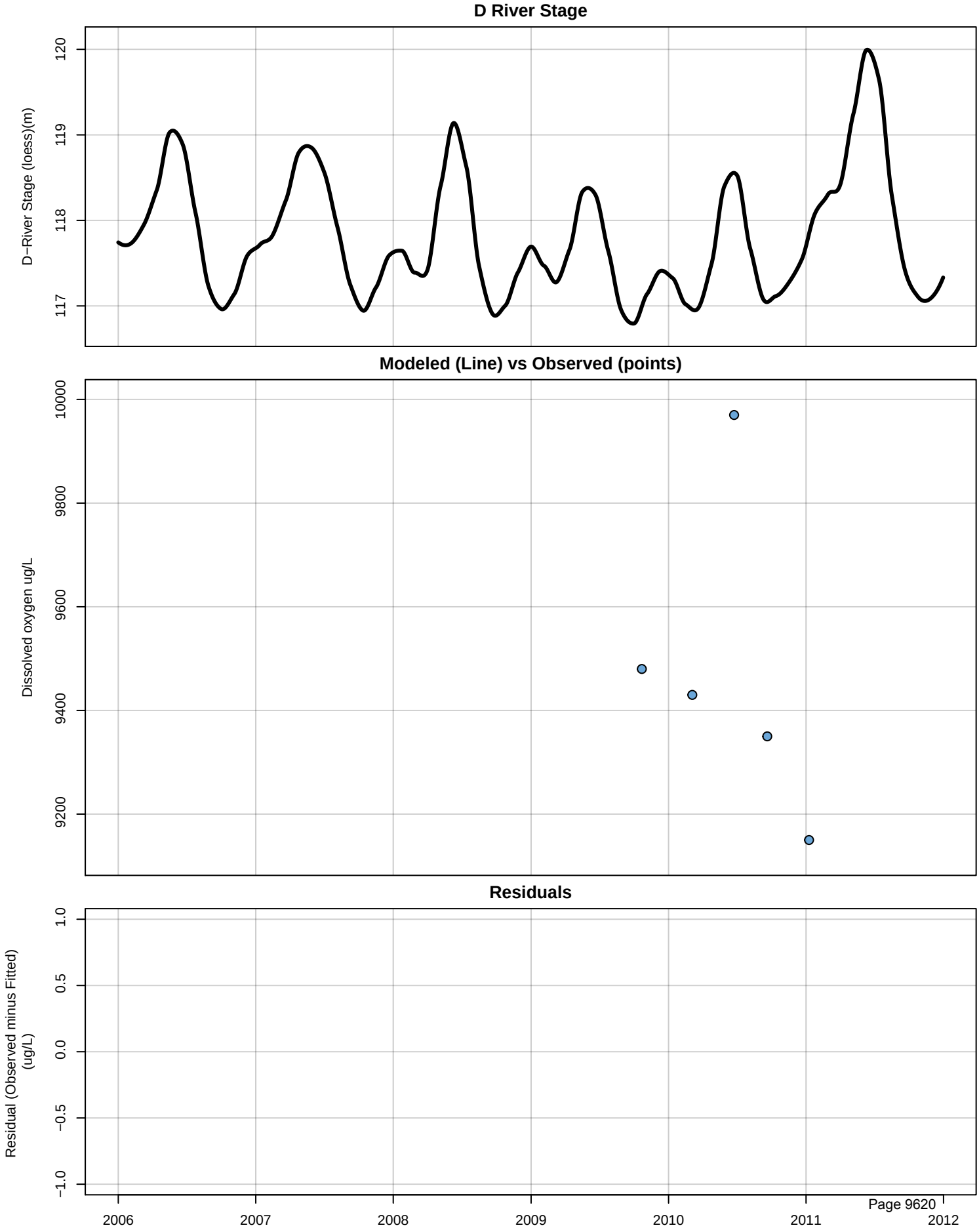


199−K−36 (918m) Lag (83 Days)

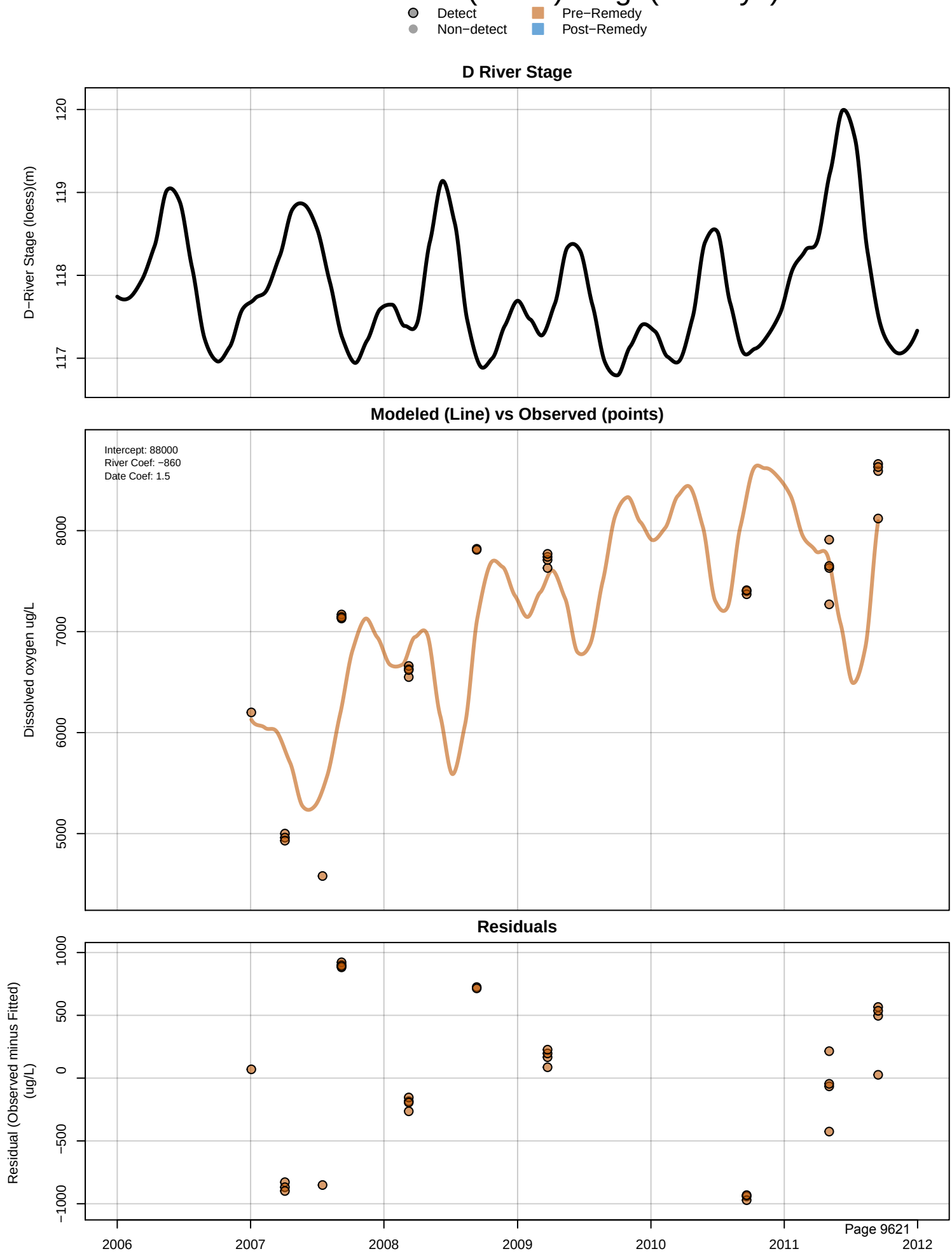


199−K−37 (227m) Lag (26 Days)

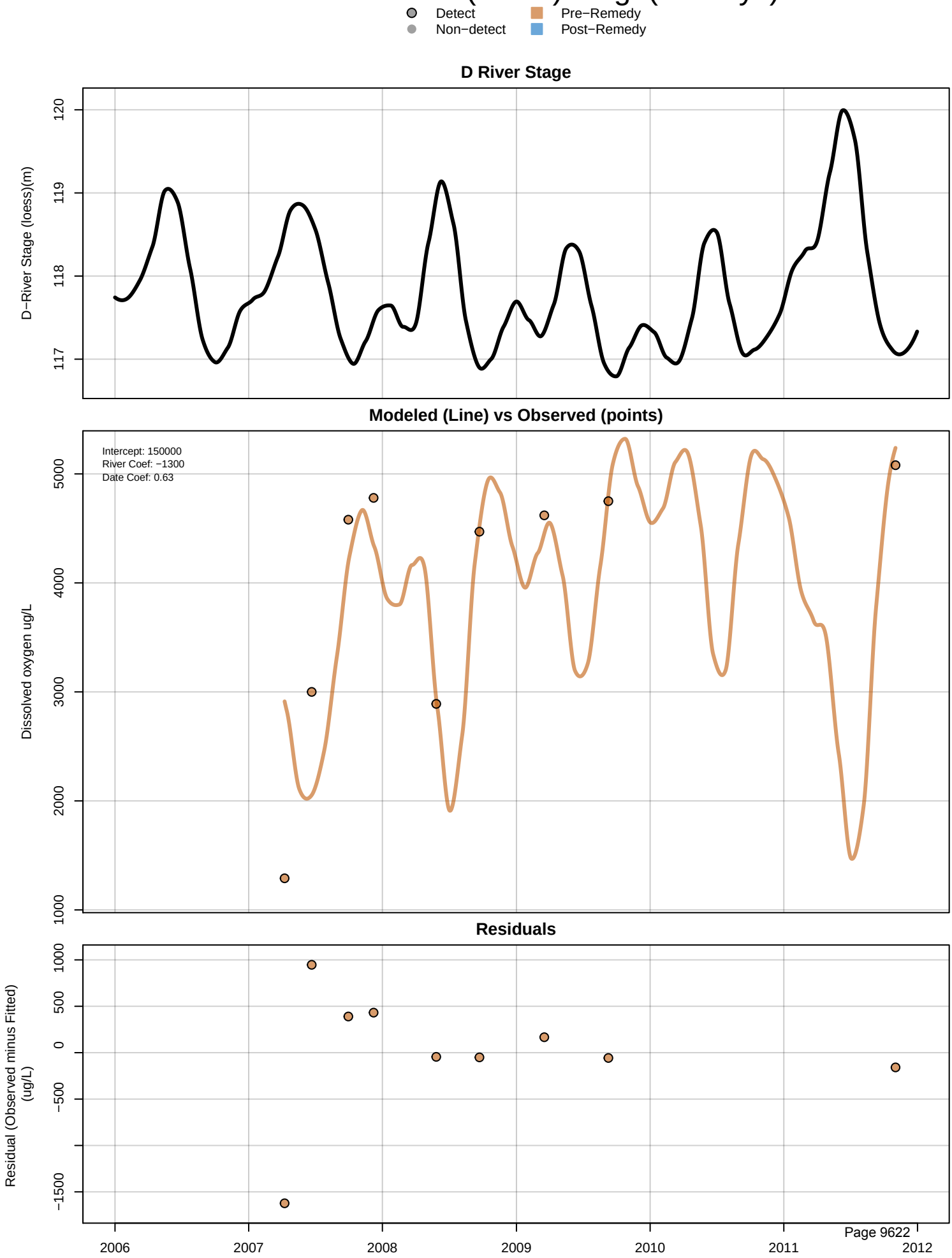
Detect
Non−detect
Pre−Remedy
Post−Remedy



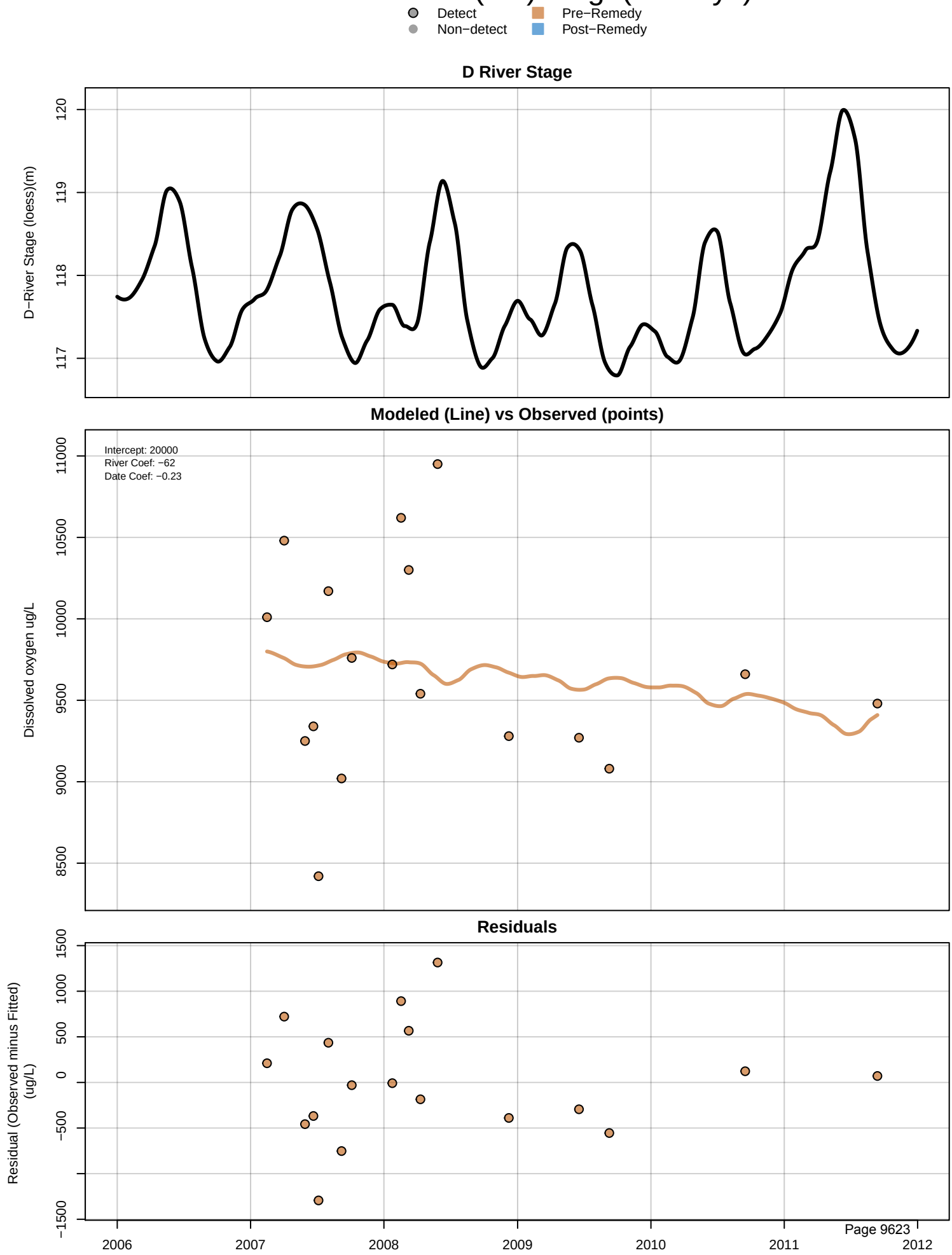
199−N−105A (173m) Lag (28 Days)



199−N−106A (205m) Lag (24 Days)

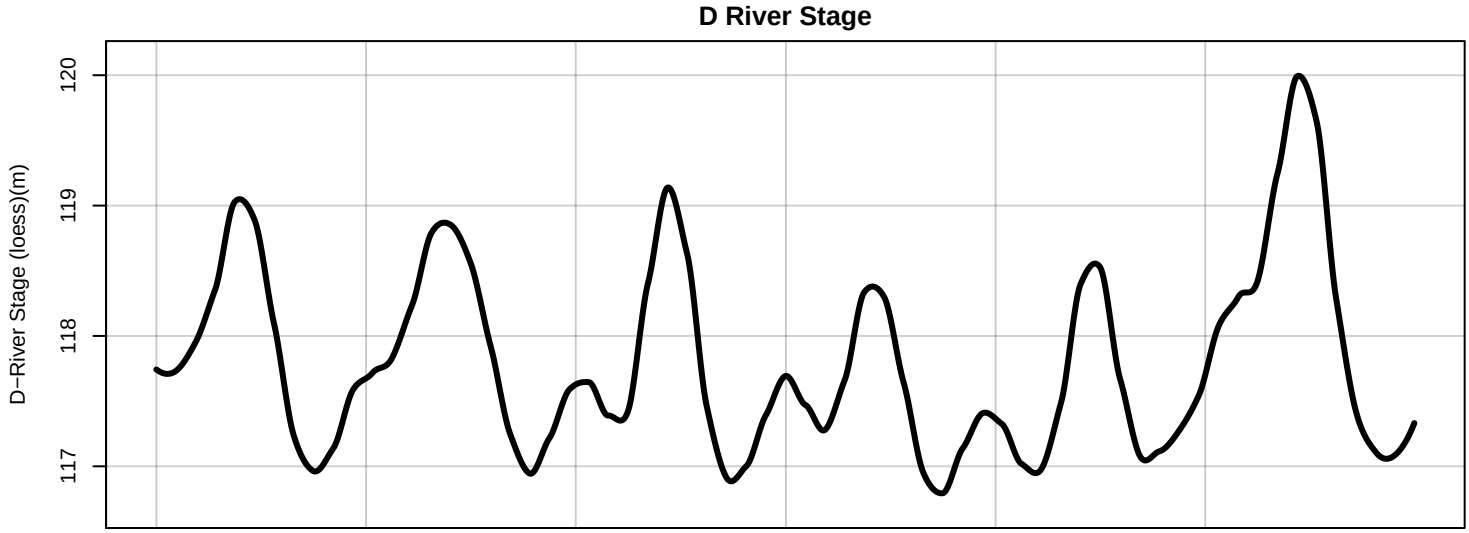


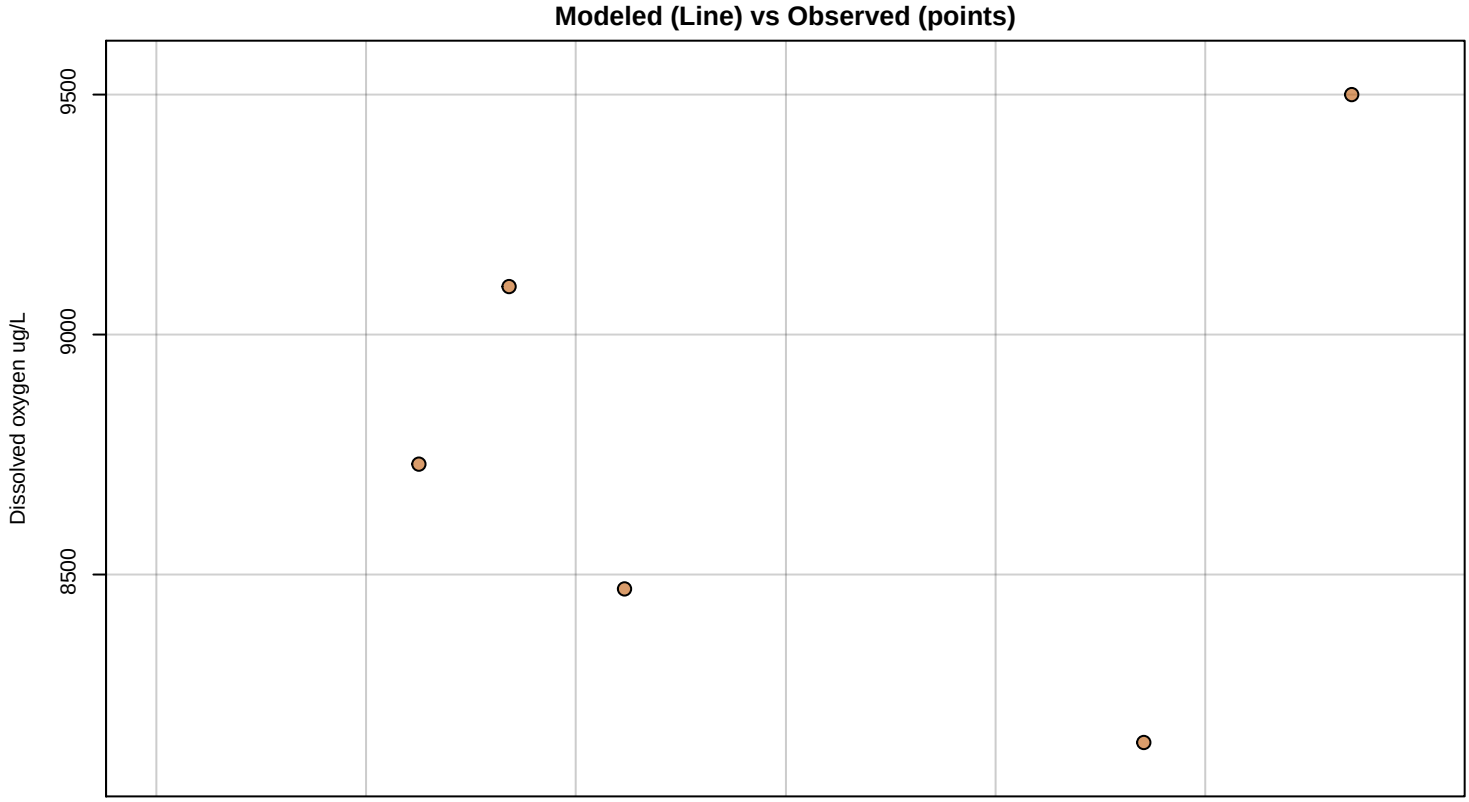
199−N−119 (7m) Lag (10 Days)

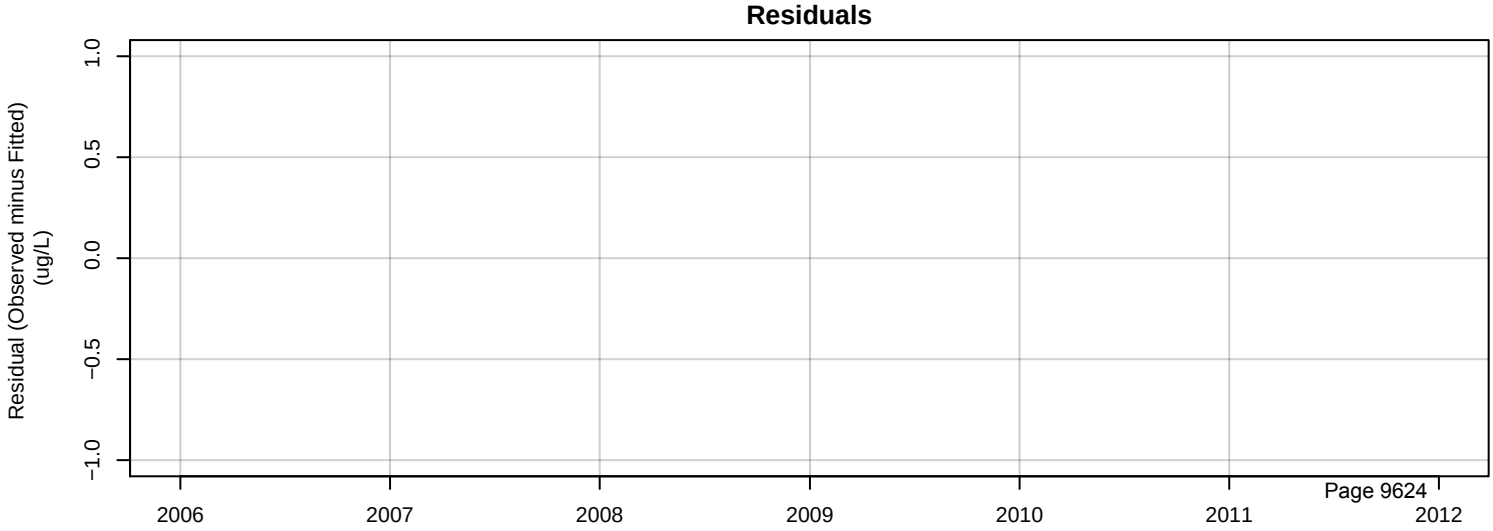


199−N−120 (6m) Lag (0 Days)

Detect
Non−detect
Pre−Remedy
Post−Remedy

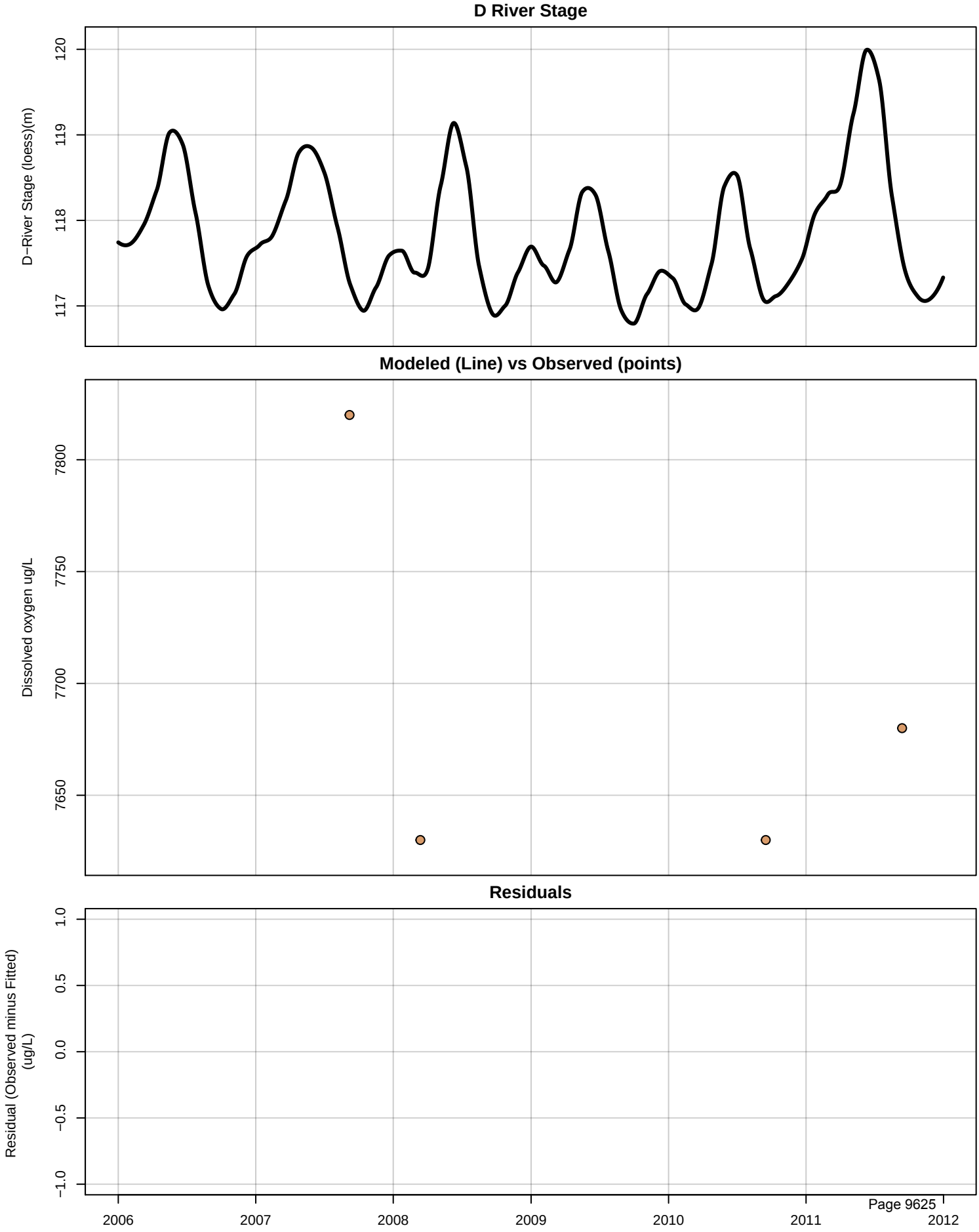




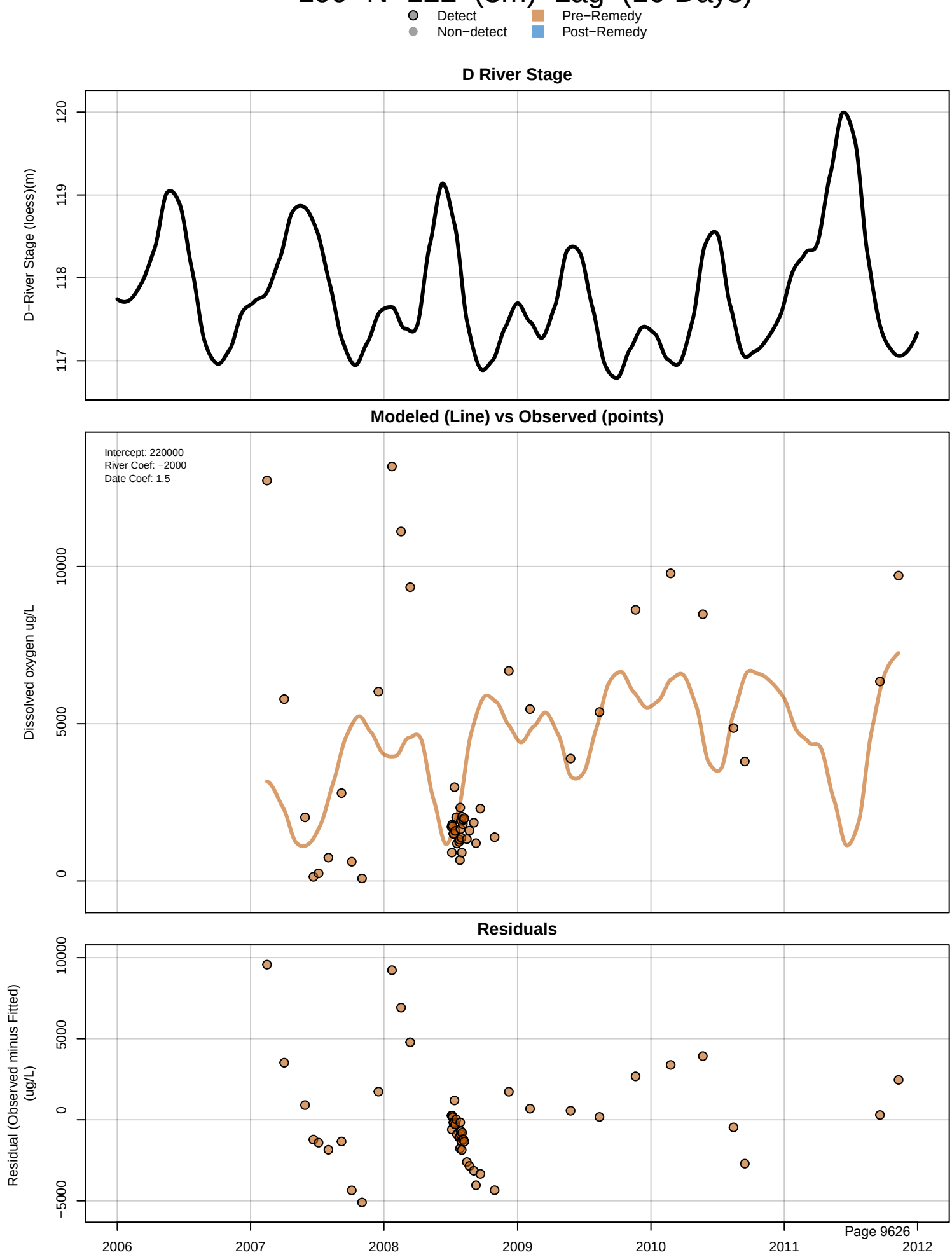


199−N−121 (6m) Lag (0 Days)

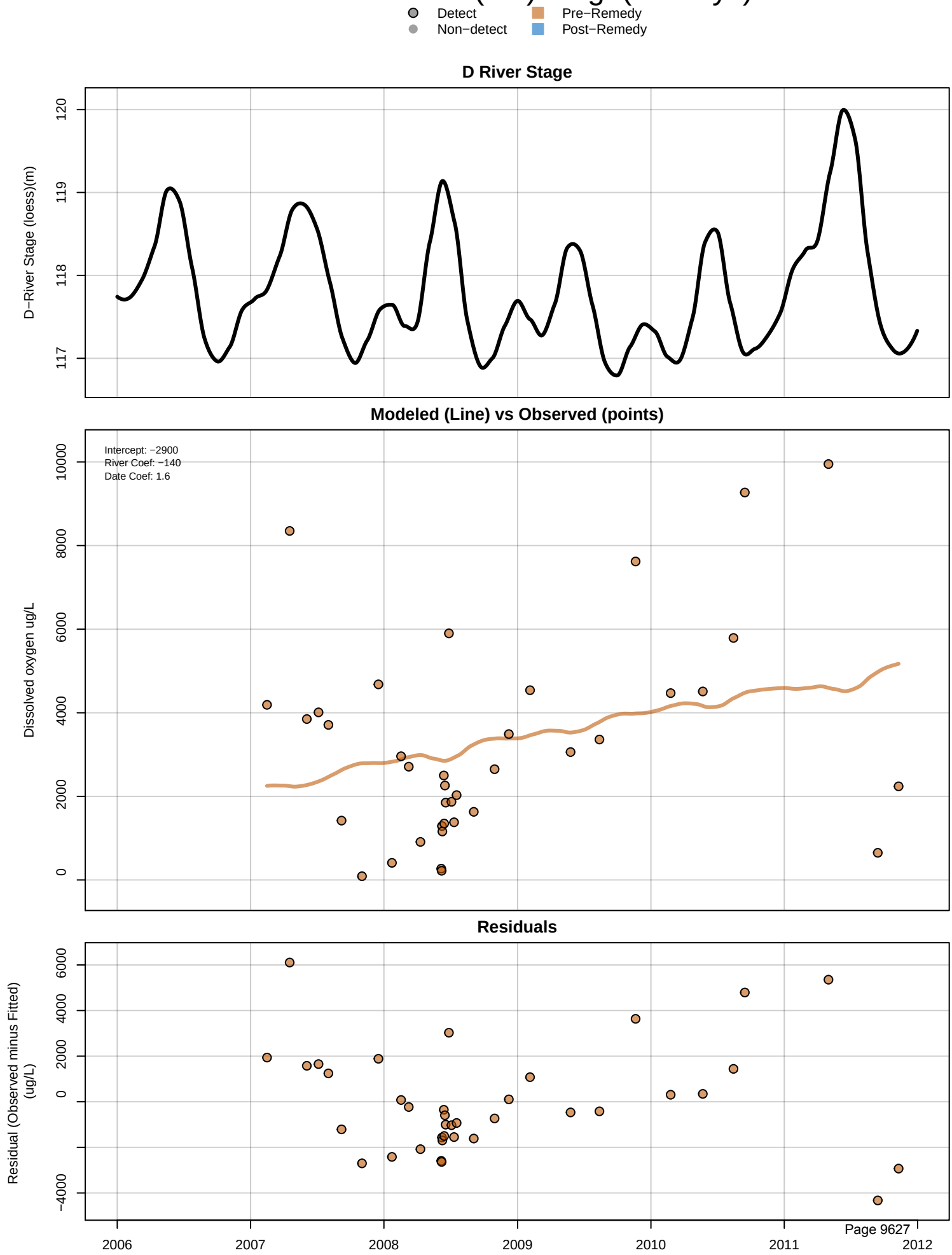
Detect
Non−detect
Pre−Remedy
Post−Remedy



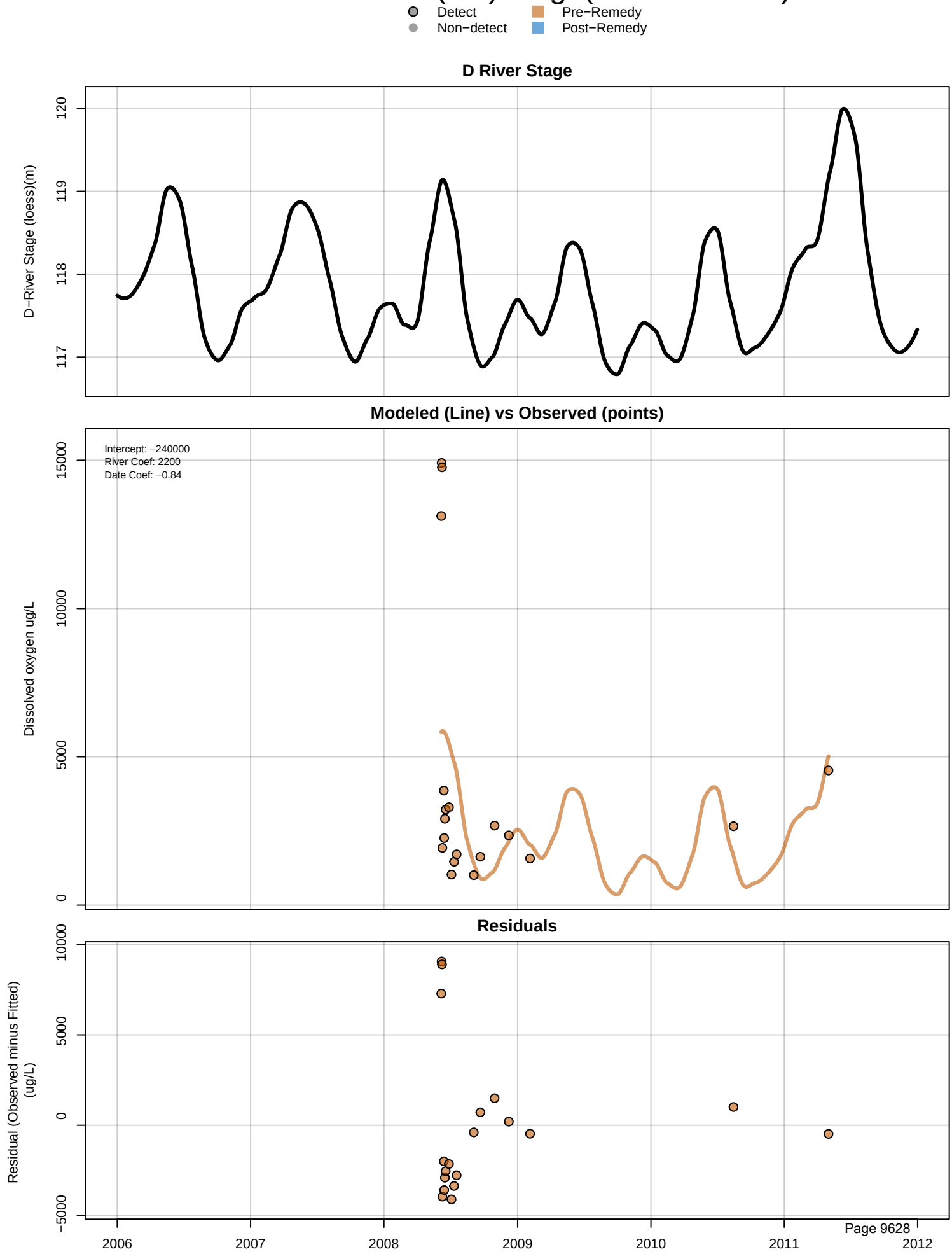
199−N−122 (3m) Lag (10 Days)



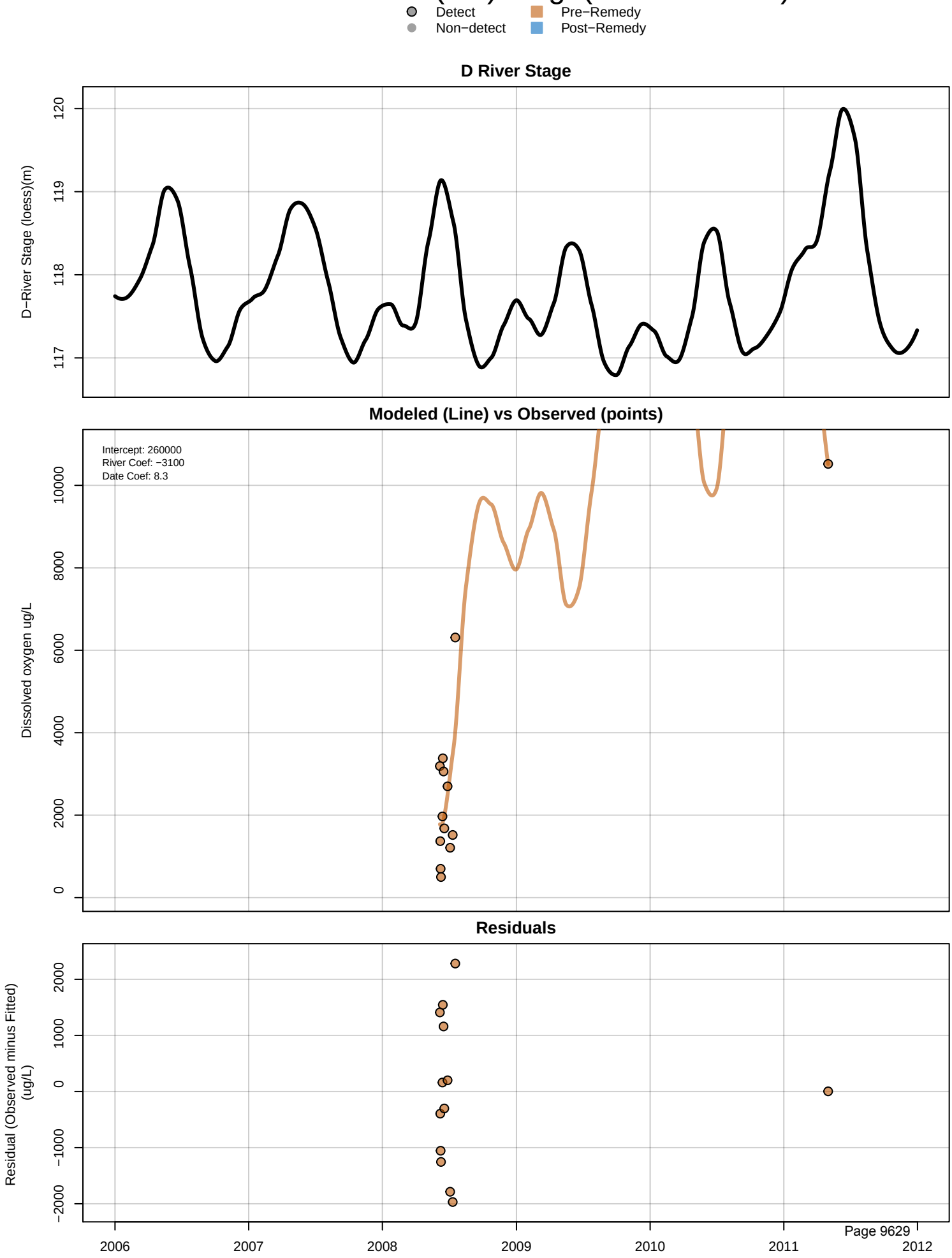
199−N−123 (7m) Lag (10 Days)



199−N−126 (6m) Lag (Indeterminate)

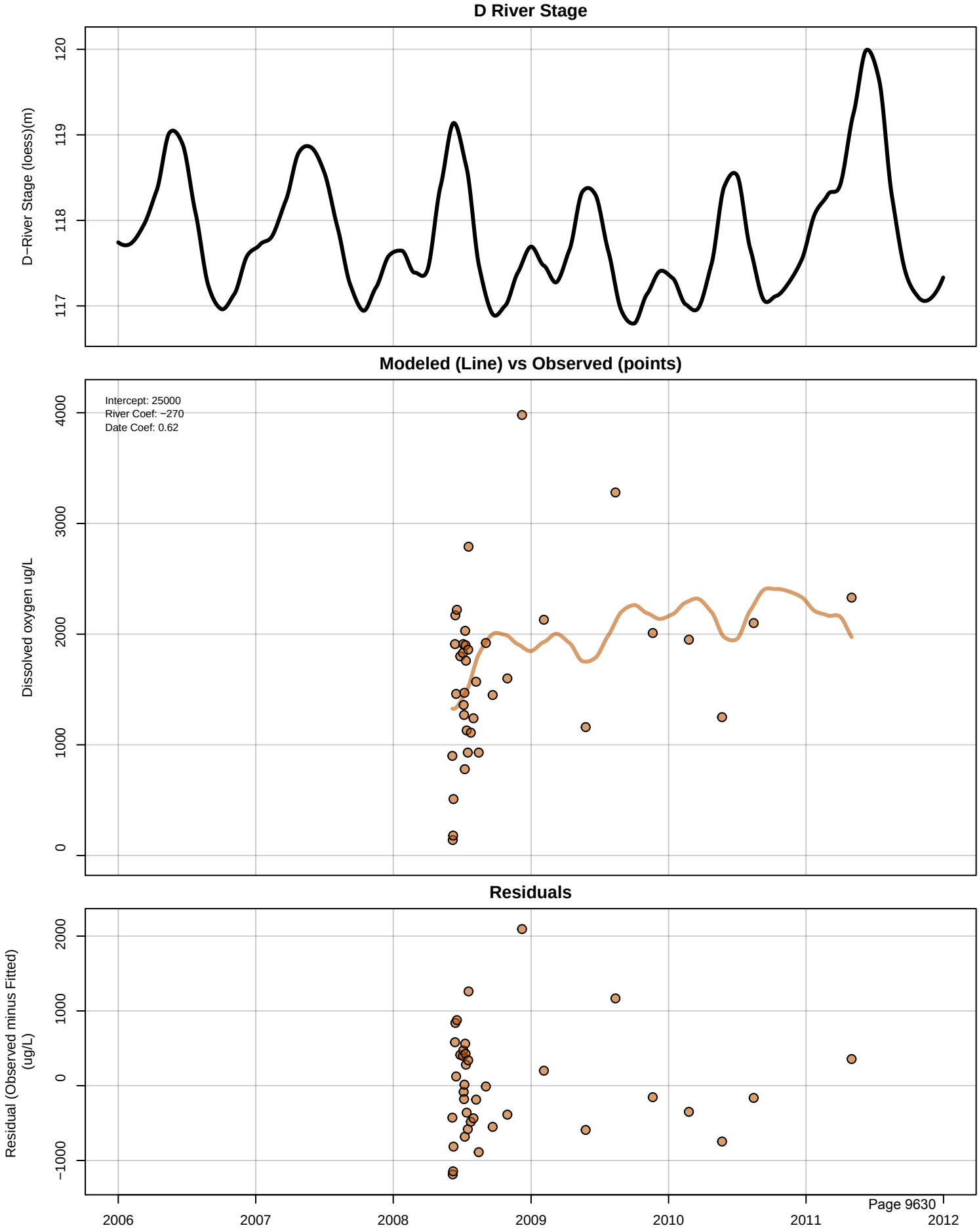


199−N−127 (6m) Lag (Indeterminate)

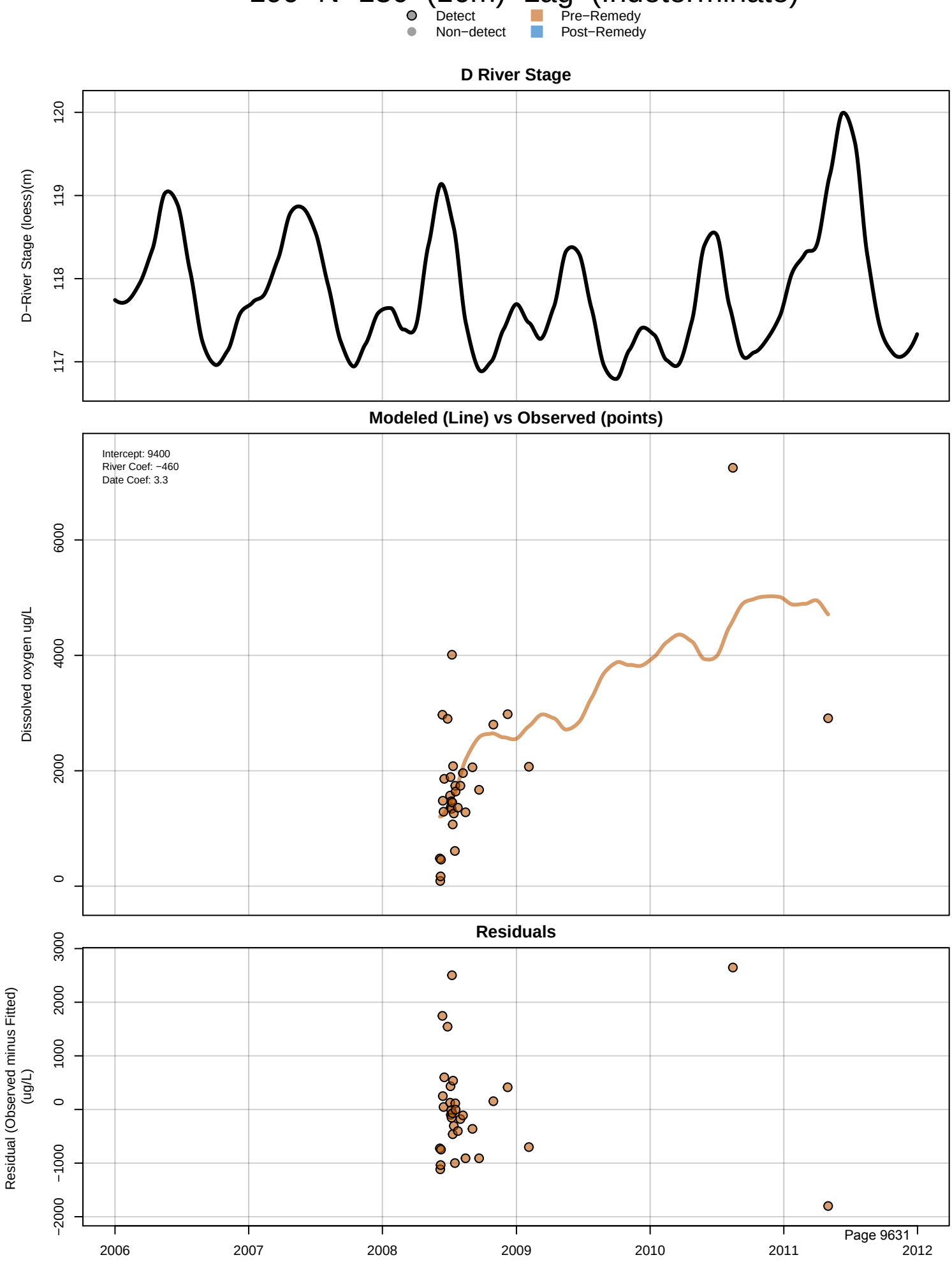


199−N−128 (9m) Lag (Indeterminate)

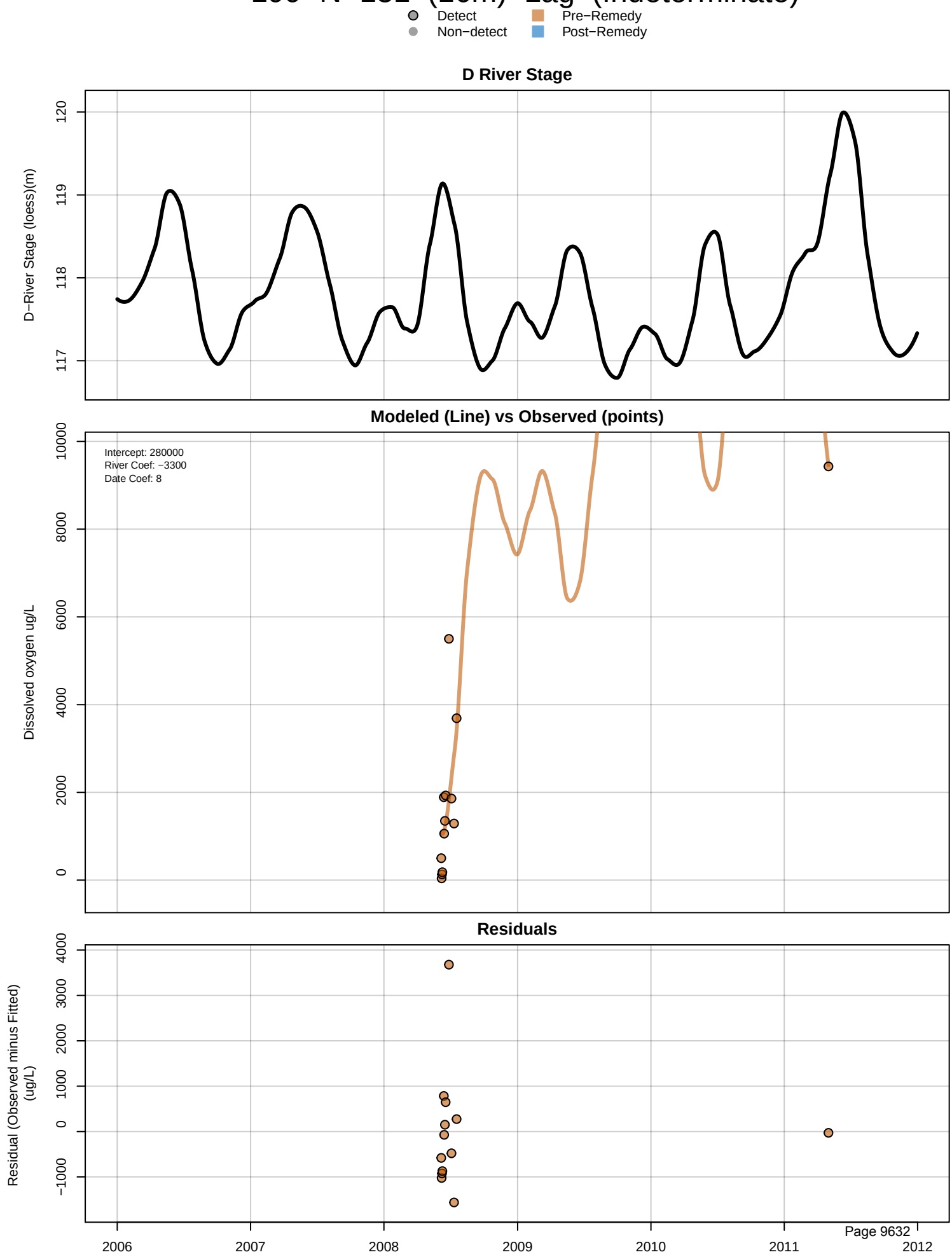
Detect
Non−detect
Pre−Remedy
Post−Remedy



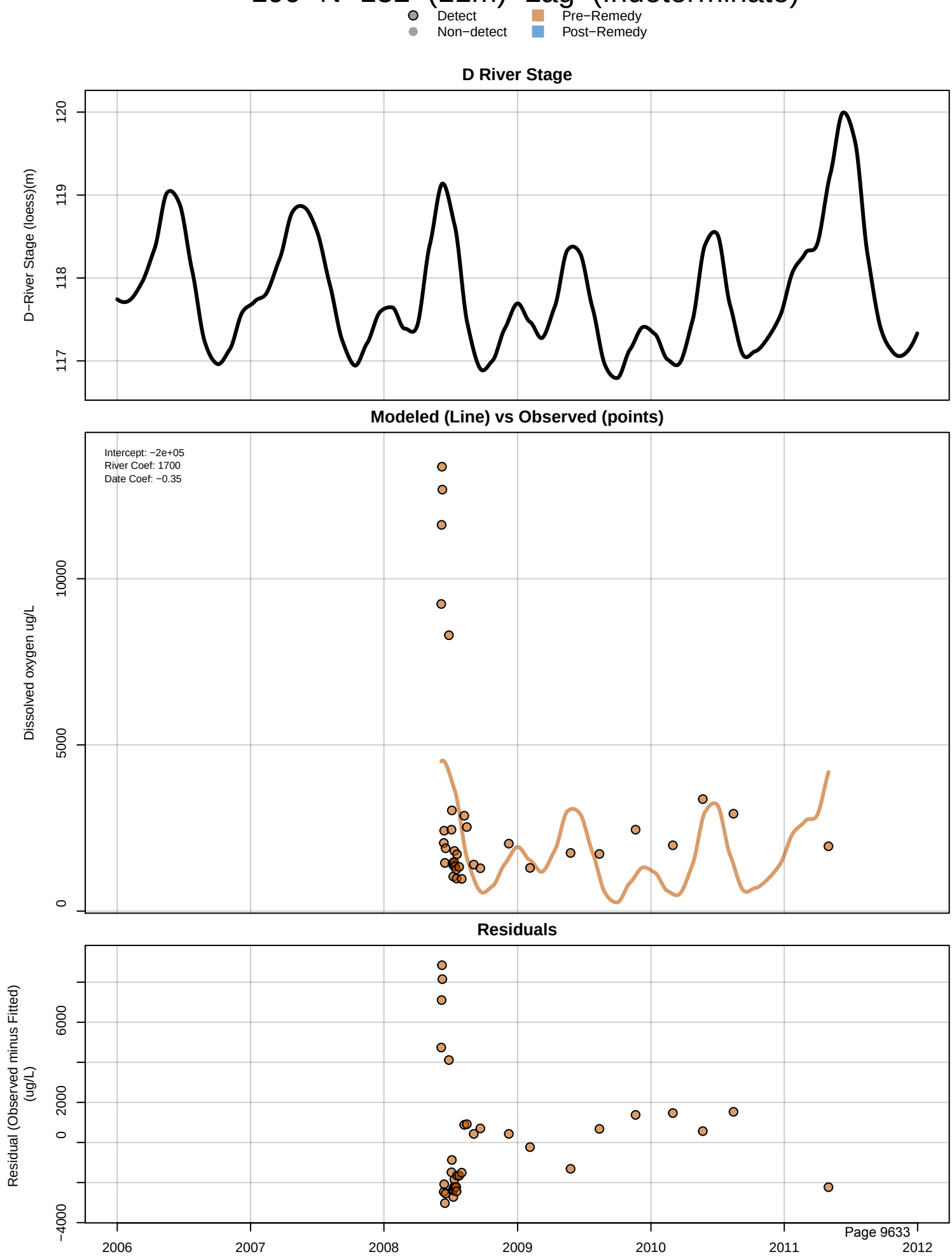
199−N−130 (16m) Lag (Indeterminate)



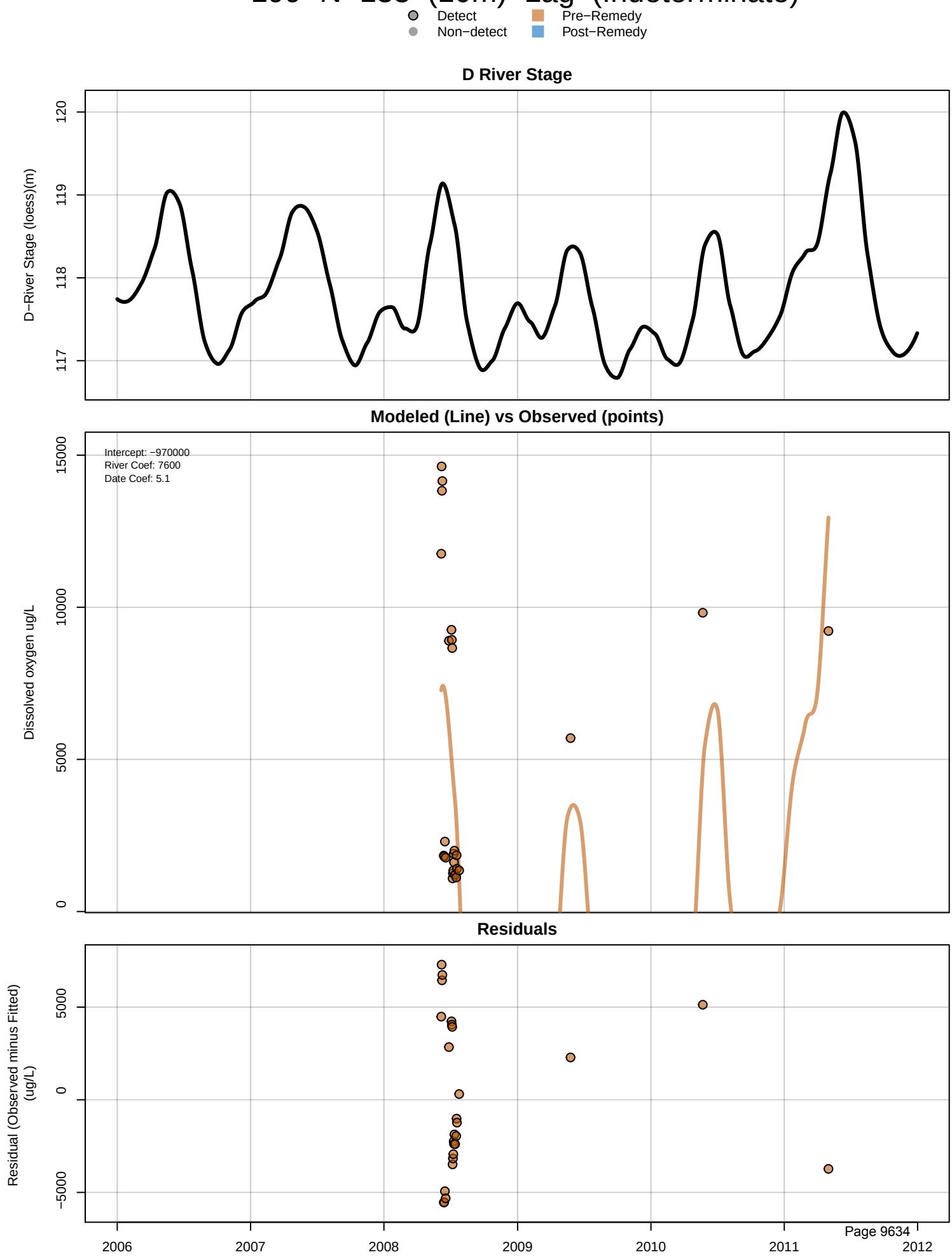
199−N−131 (16m) Lag (Indeterminate)



199−N−132 (11m) Lag (Indeterminate)

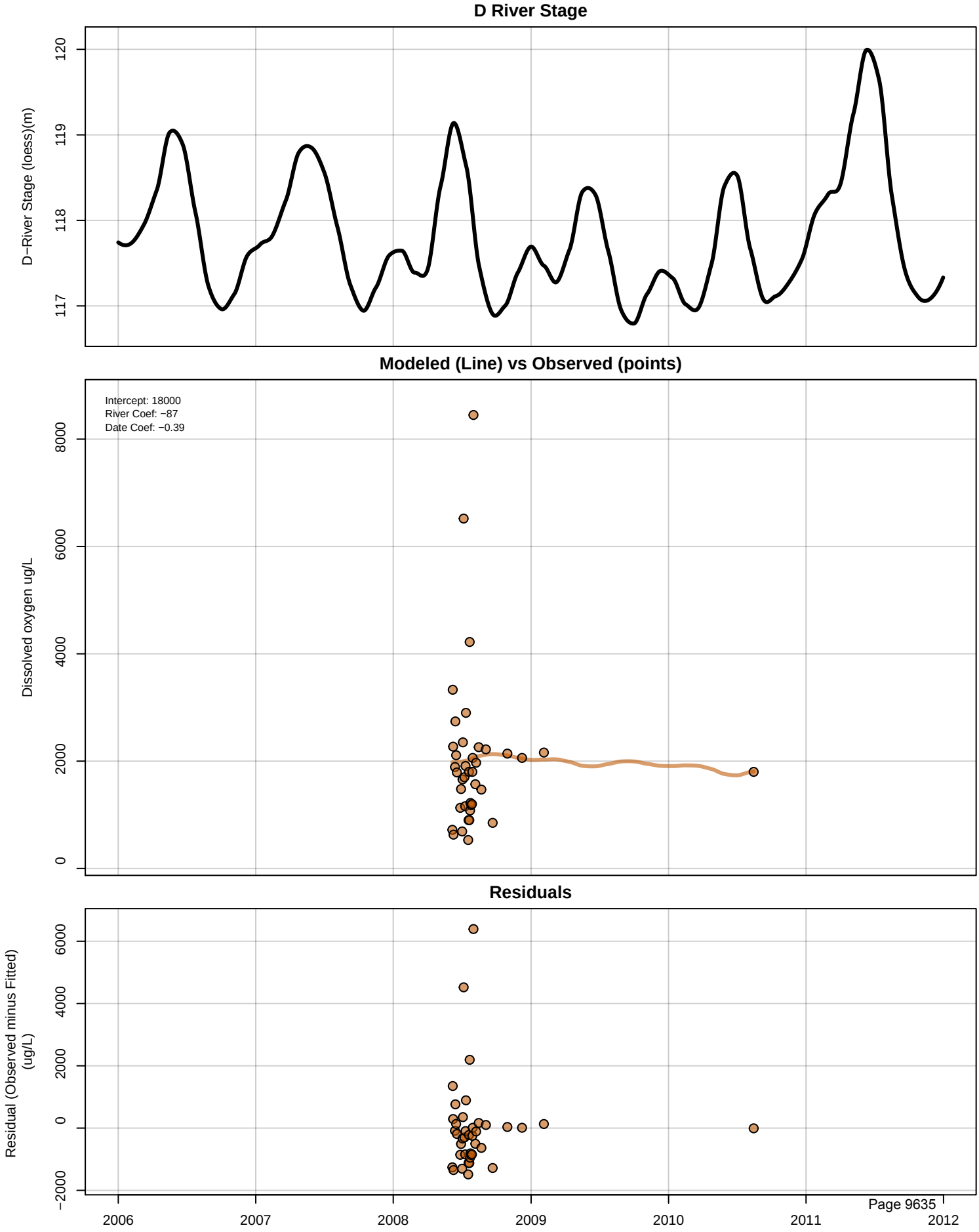


199−N−133 (10m) Lag (Indeterminate)



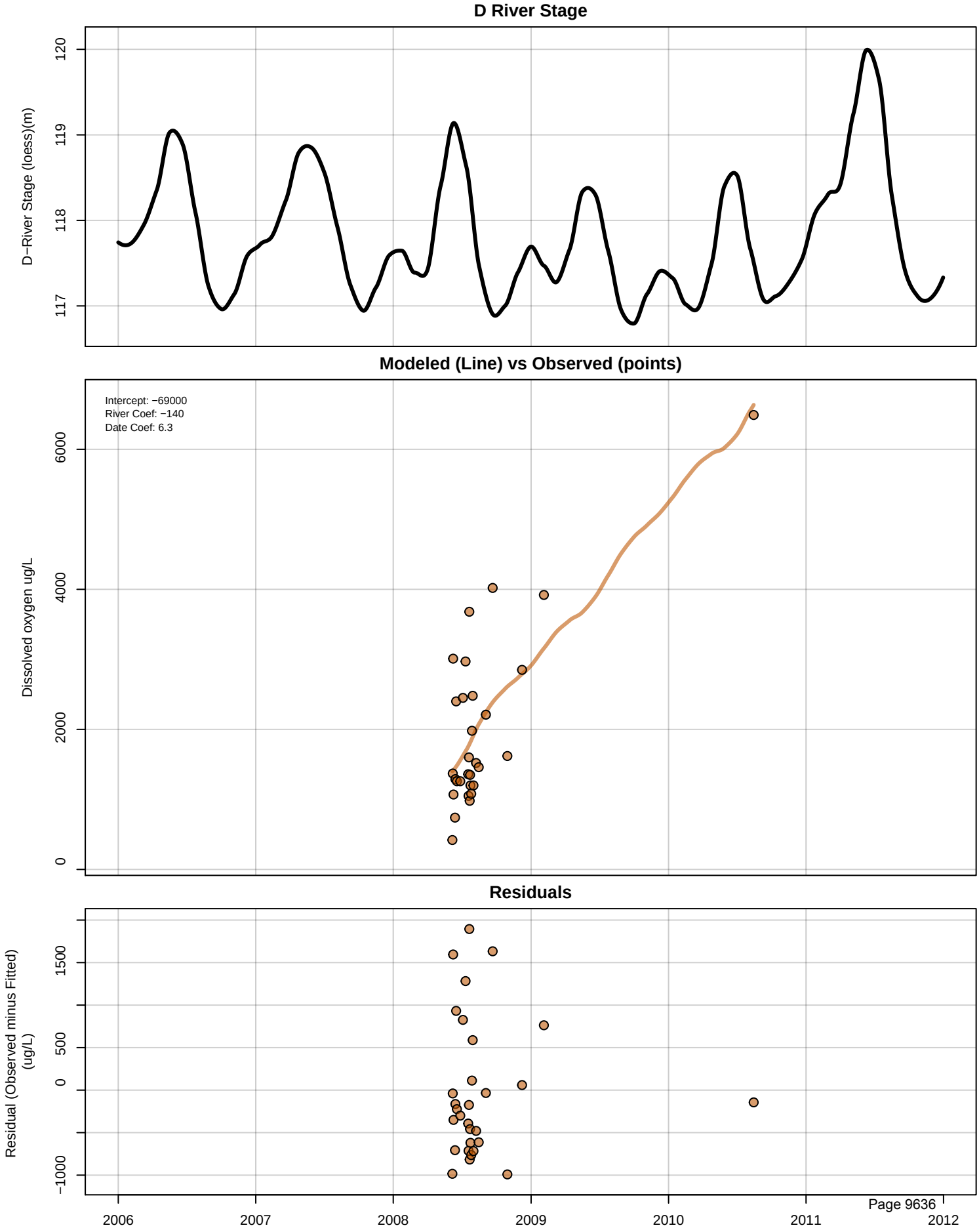
199−N−136 (8m) Lag (Indeterminate)

Detect
Non−detect
Pre−Remedy
Post−Remedy



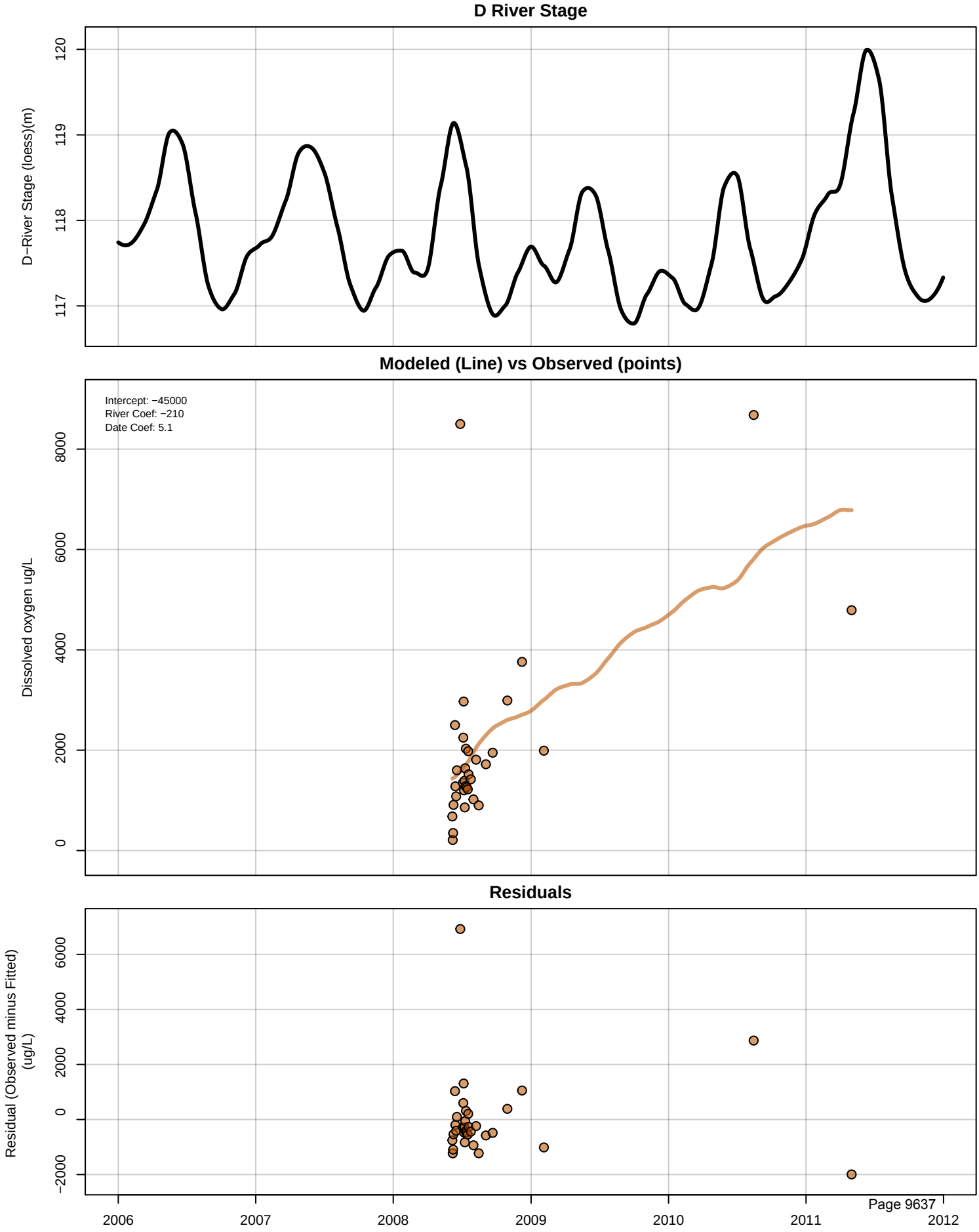
199−N−137 (9m) Lag (Indeterminate)

Detect
Non−detect
Pre−Remedy
Post−Remedy



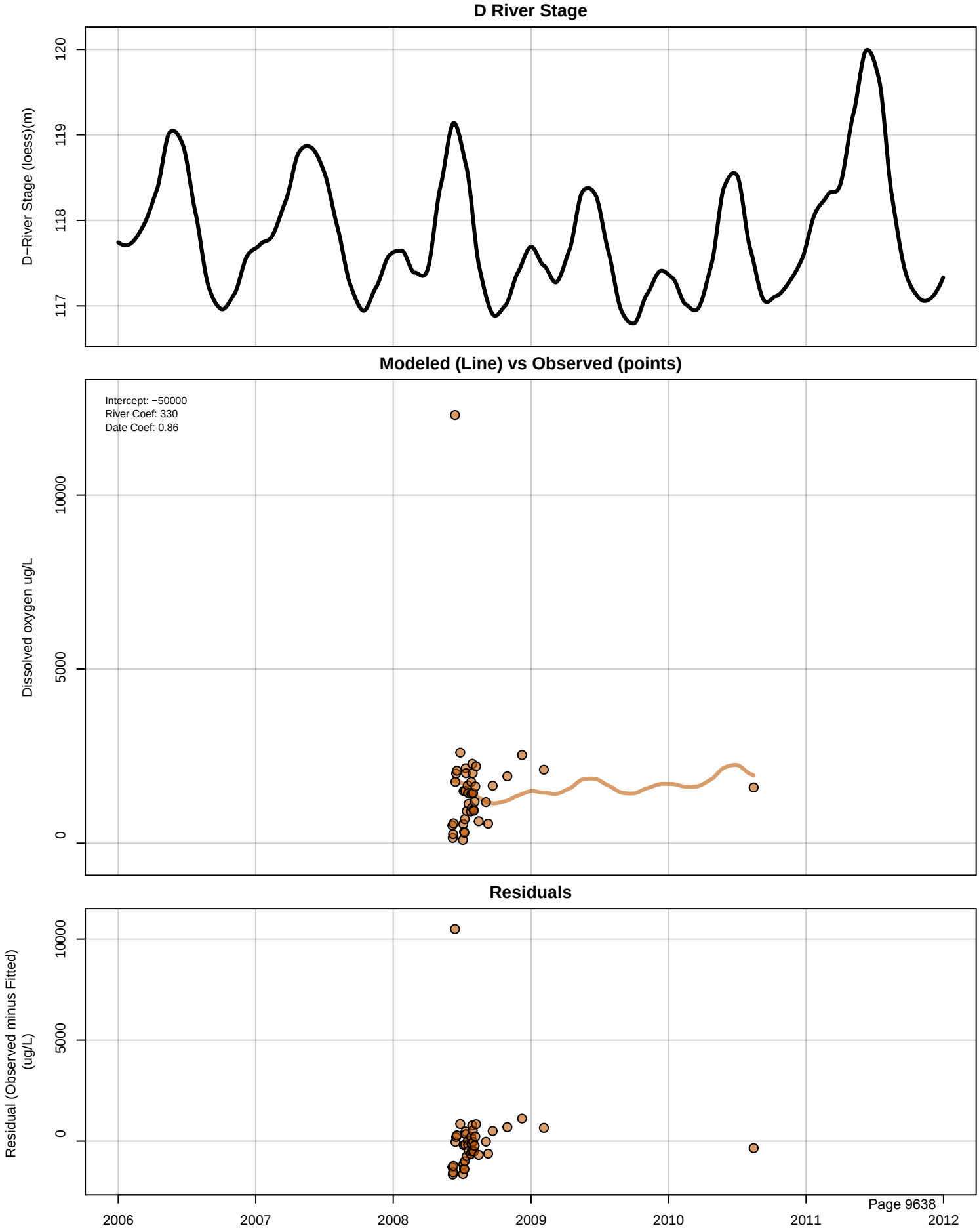
199−N−138 (12m) Lag (Indeterminate)

Detect
Non−detect
Pre−Remedy
Post−Remedy

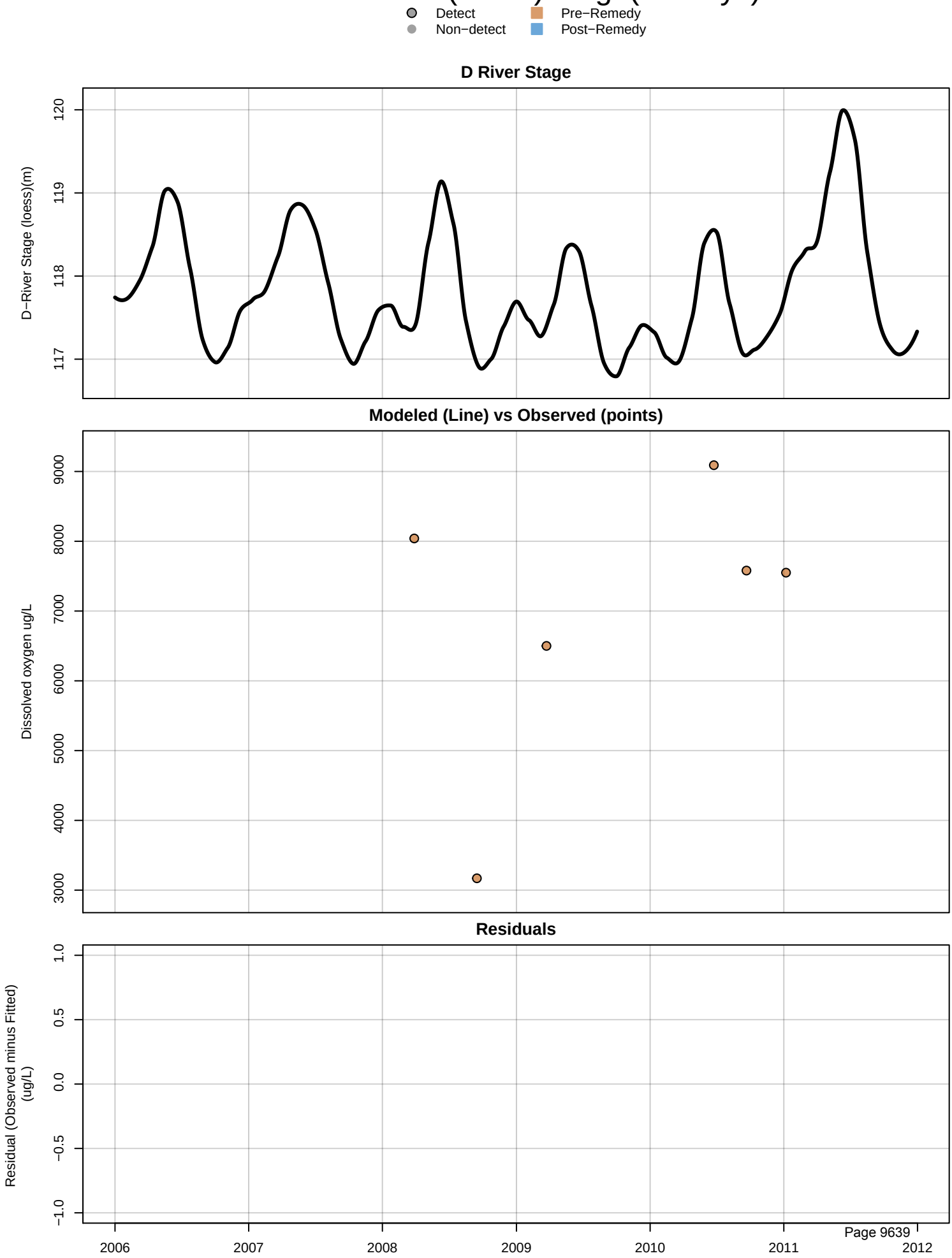


199−N−139 (9m) Lag (Indeterminate)

Detect
Non−detect
Pre−Remedy
Post−Remedy

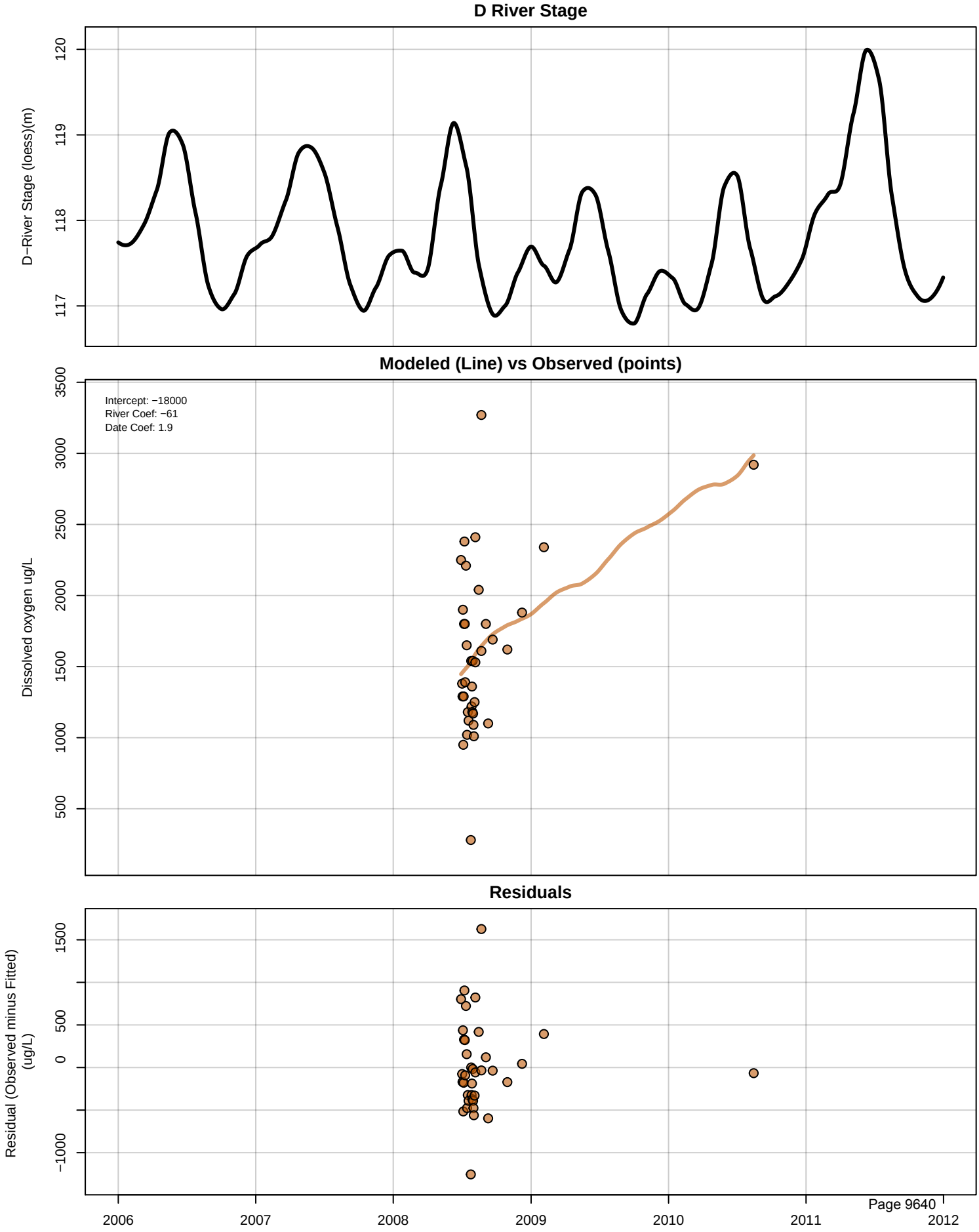


199−N−14 (135m) Lag (18 Days)



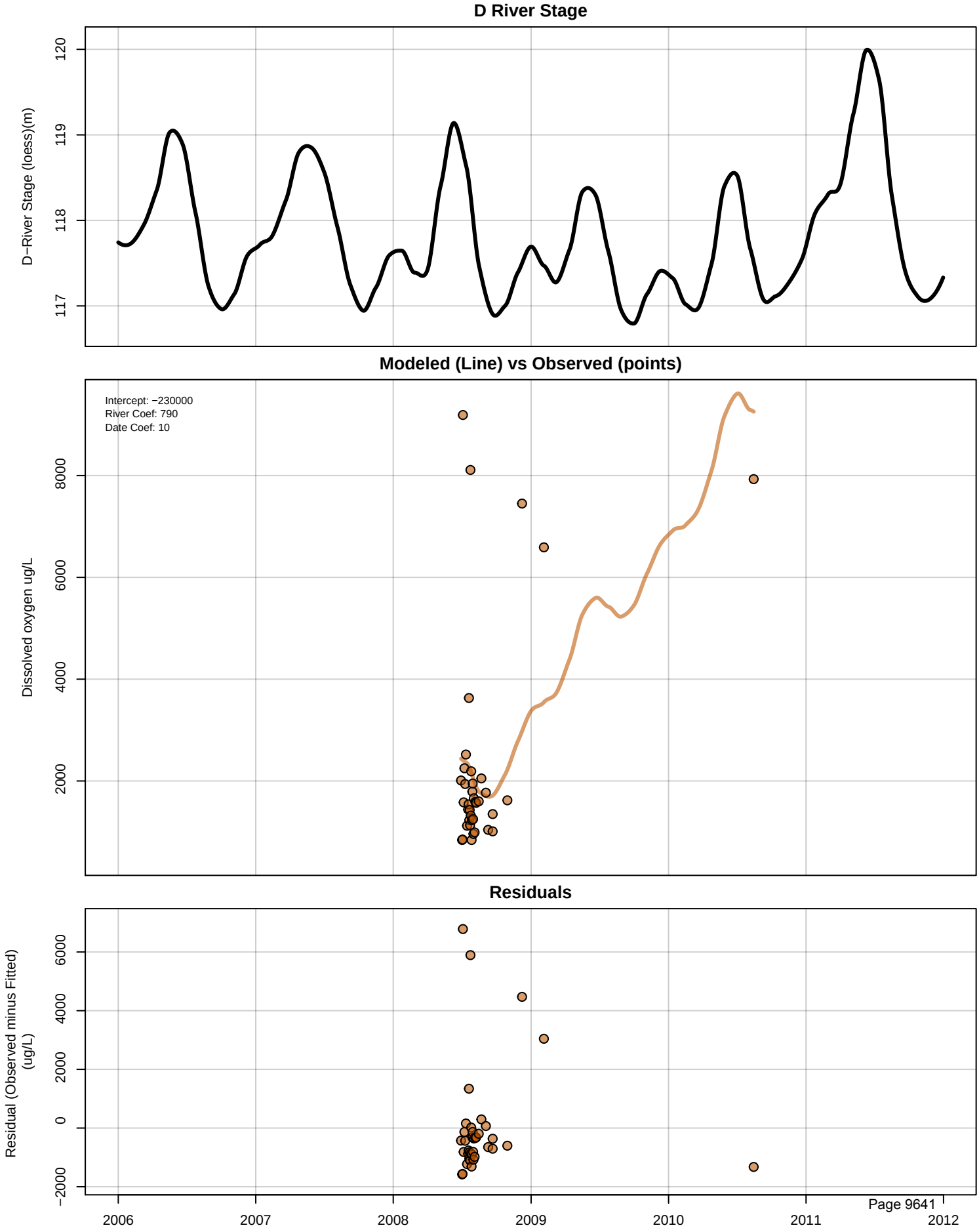
199−N−140 (9m) Lag (Indeterminate)

Detect
Non−detect
Pre−Remedy
Post−Remedy



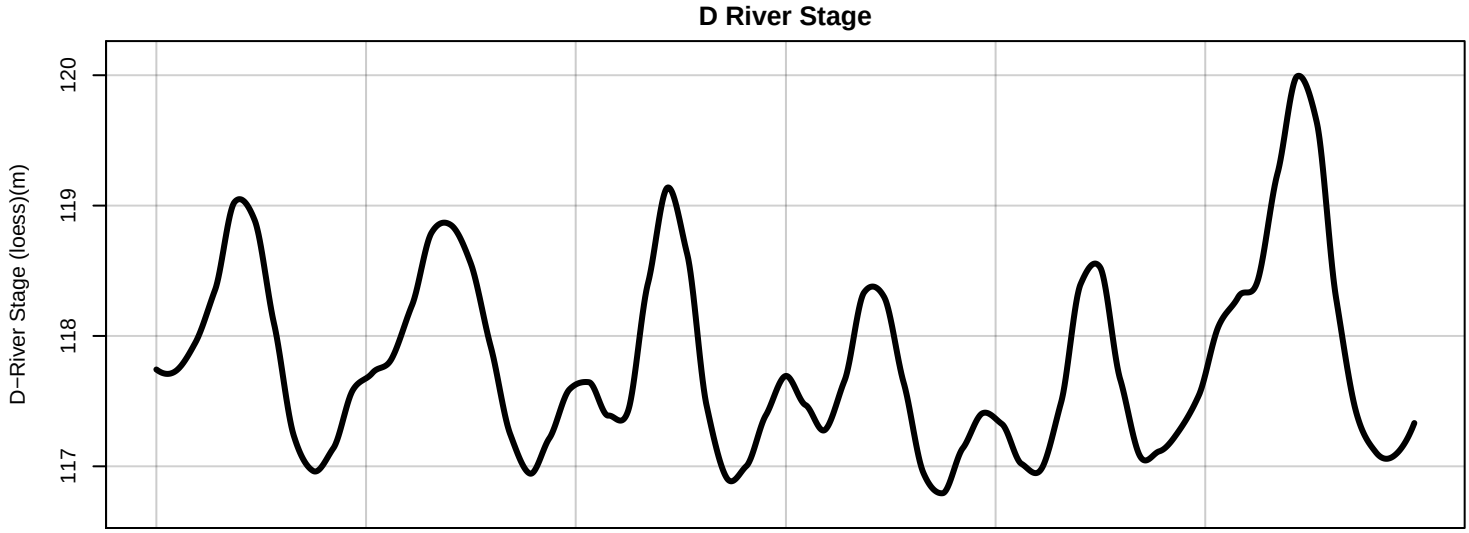
199−N−141 (8m) Lag (Indeterminate)

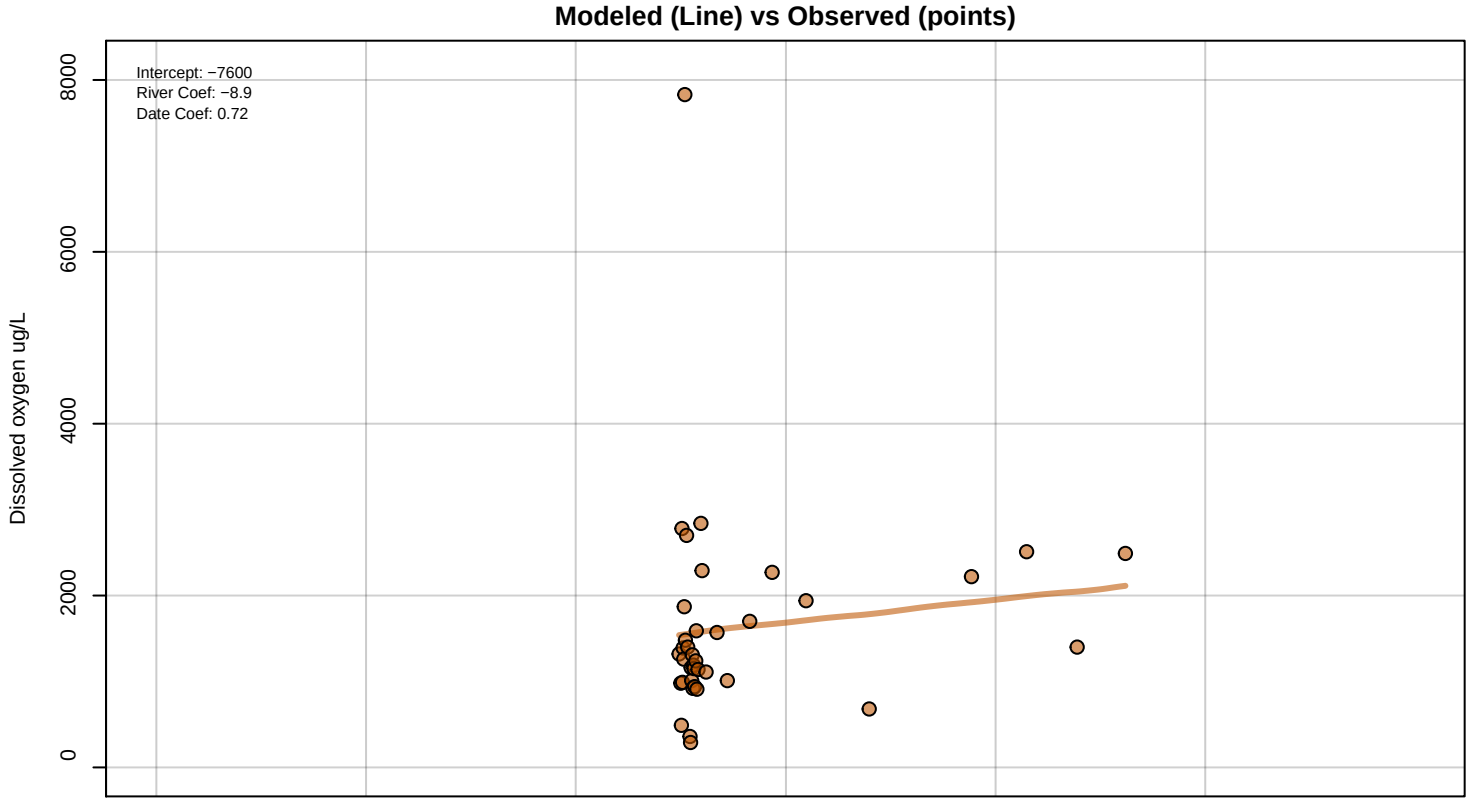
Detect
Non−detect
Pre−Remedy
Post−Remedy

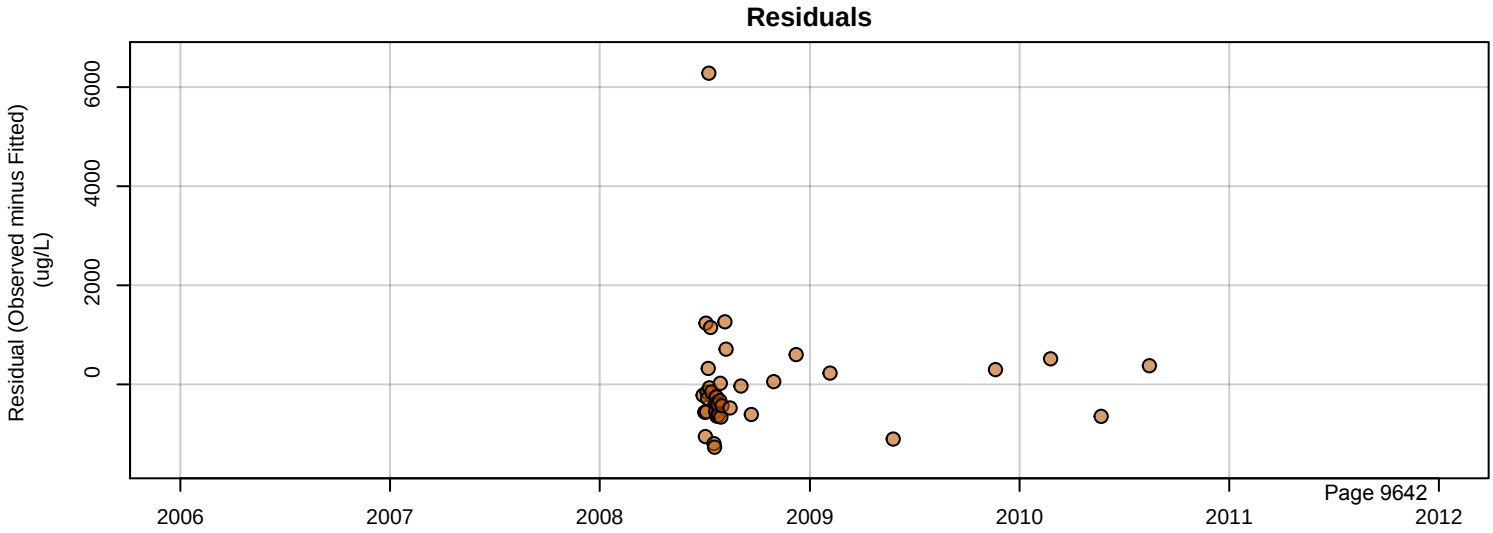


199−N−142 (8m) Lag (Indeterminate)

Detect
Non−detect
Pre−Remedy
Post−Remedy

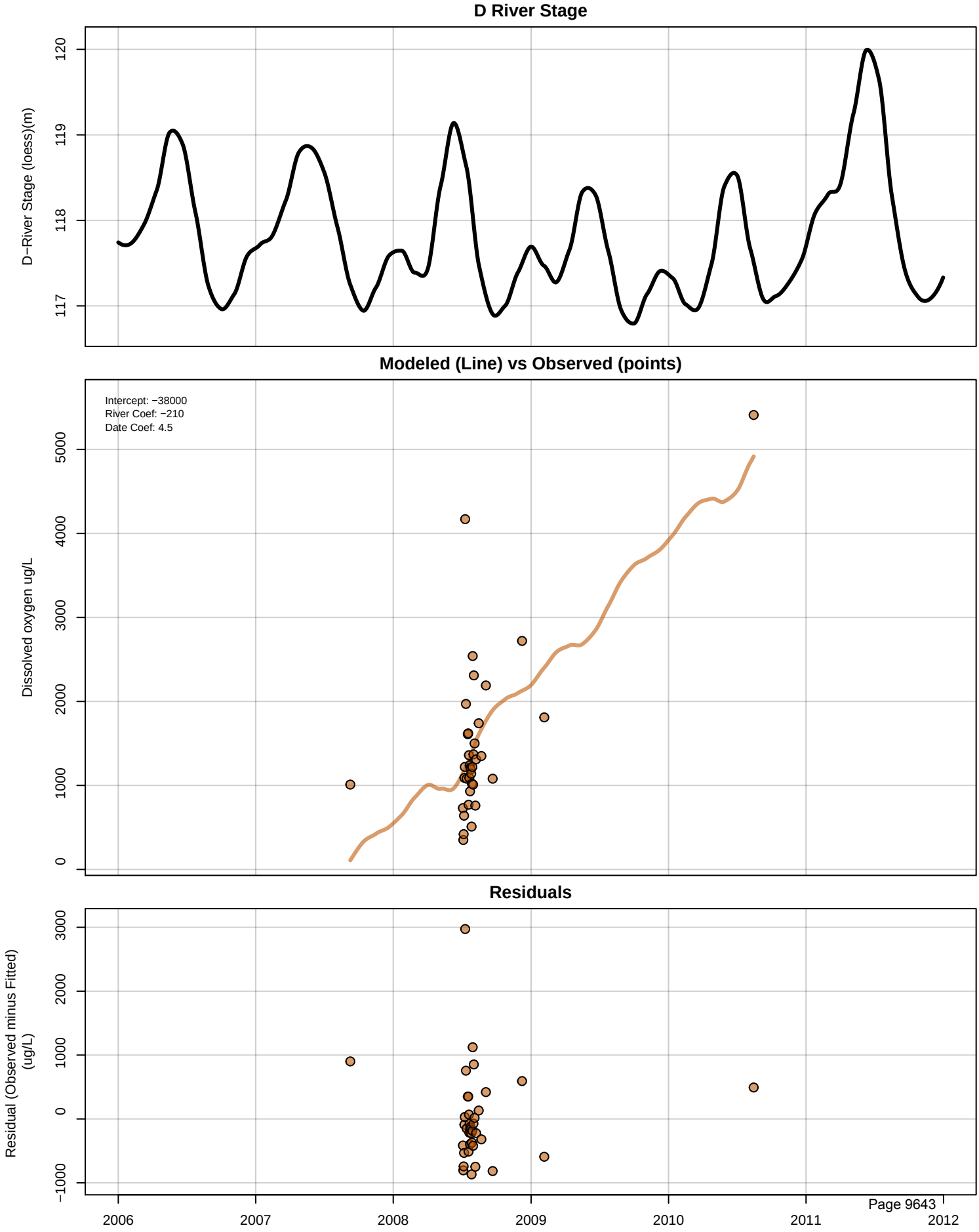






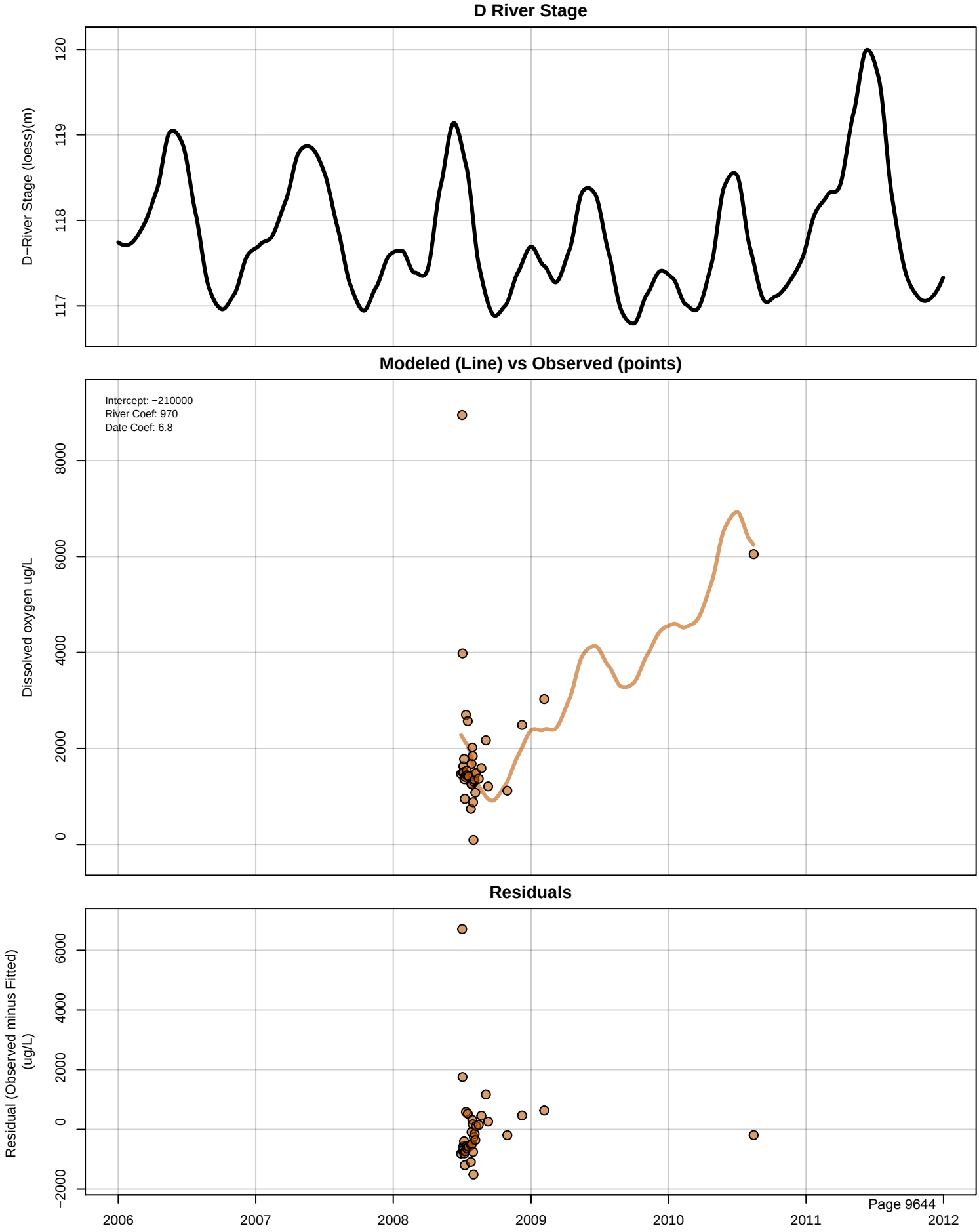
199−N−143 (7m) Lag (Indeterminate)

Detect
Non−detect
Pre−Remedy
Post−Remedy



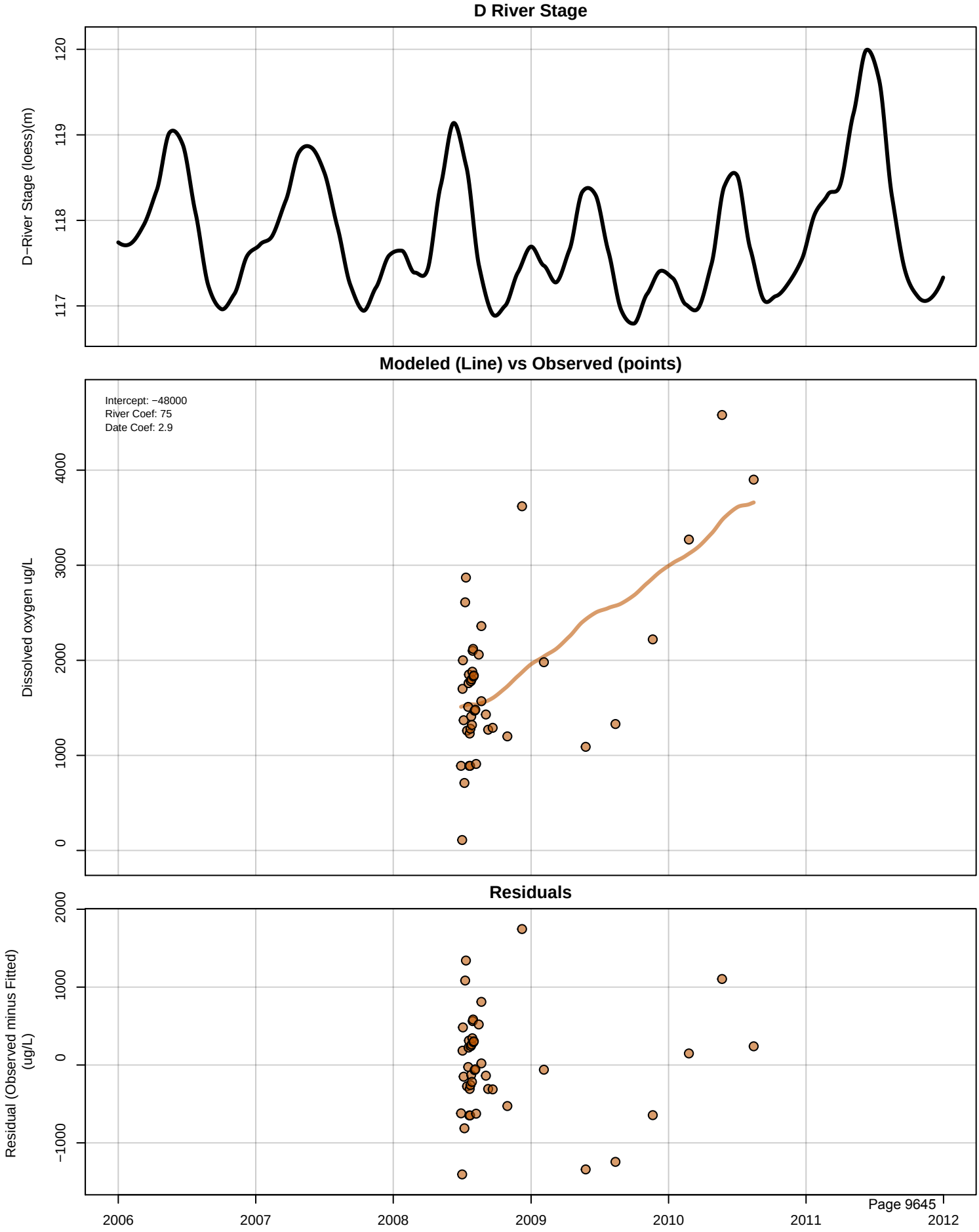
199−N−144 (5m) Lag (Indeterminate)

Detect
Non−detect
Pre−Remedy
Post−Remedy



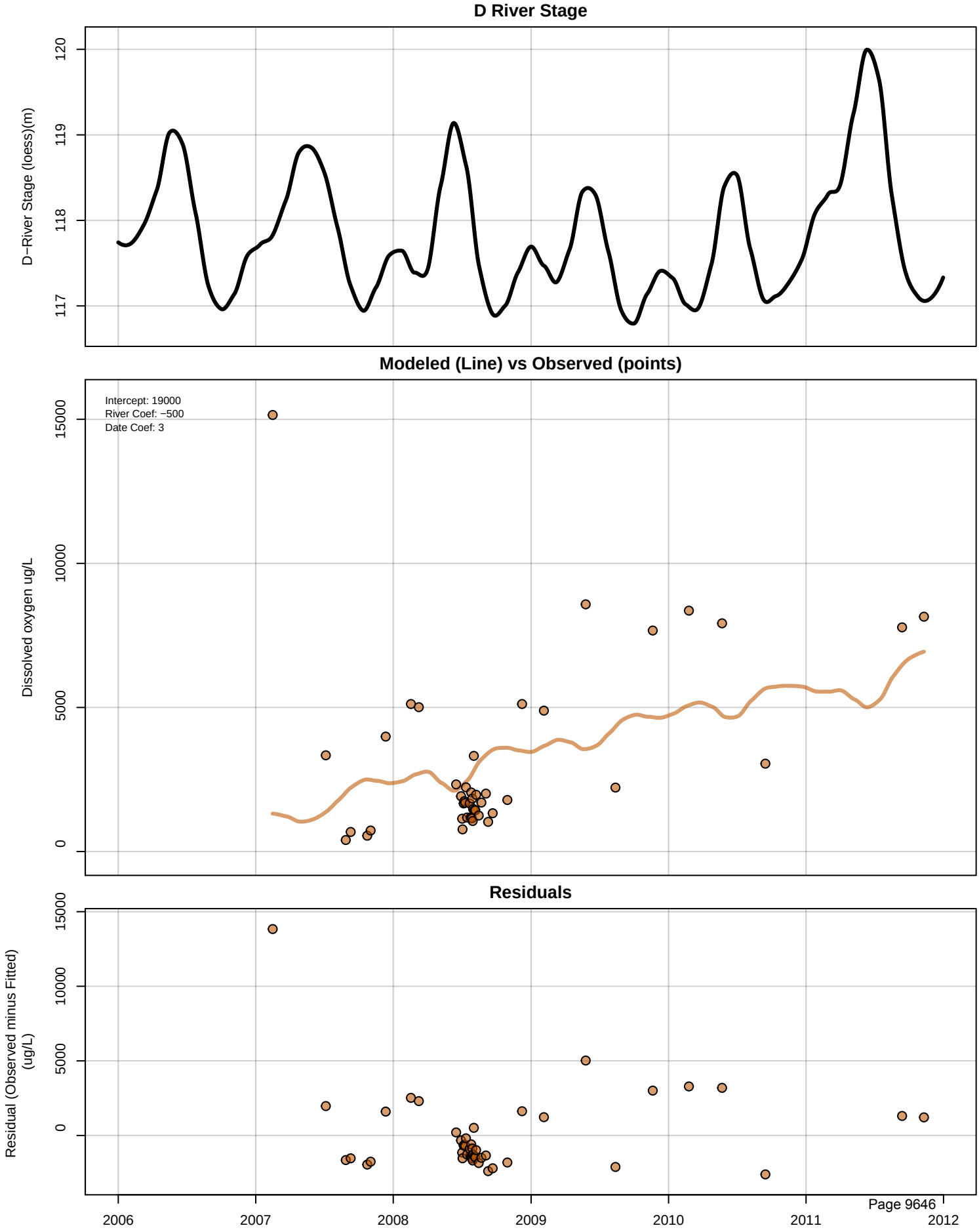
199−N−145 (6m) Lag (Indeterminate)

Detect
Non−detect
Pre−Remedy
Post−Remedy

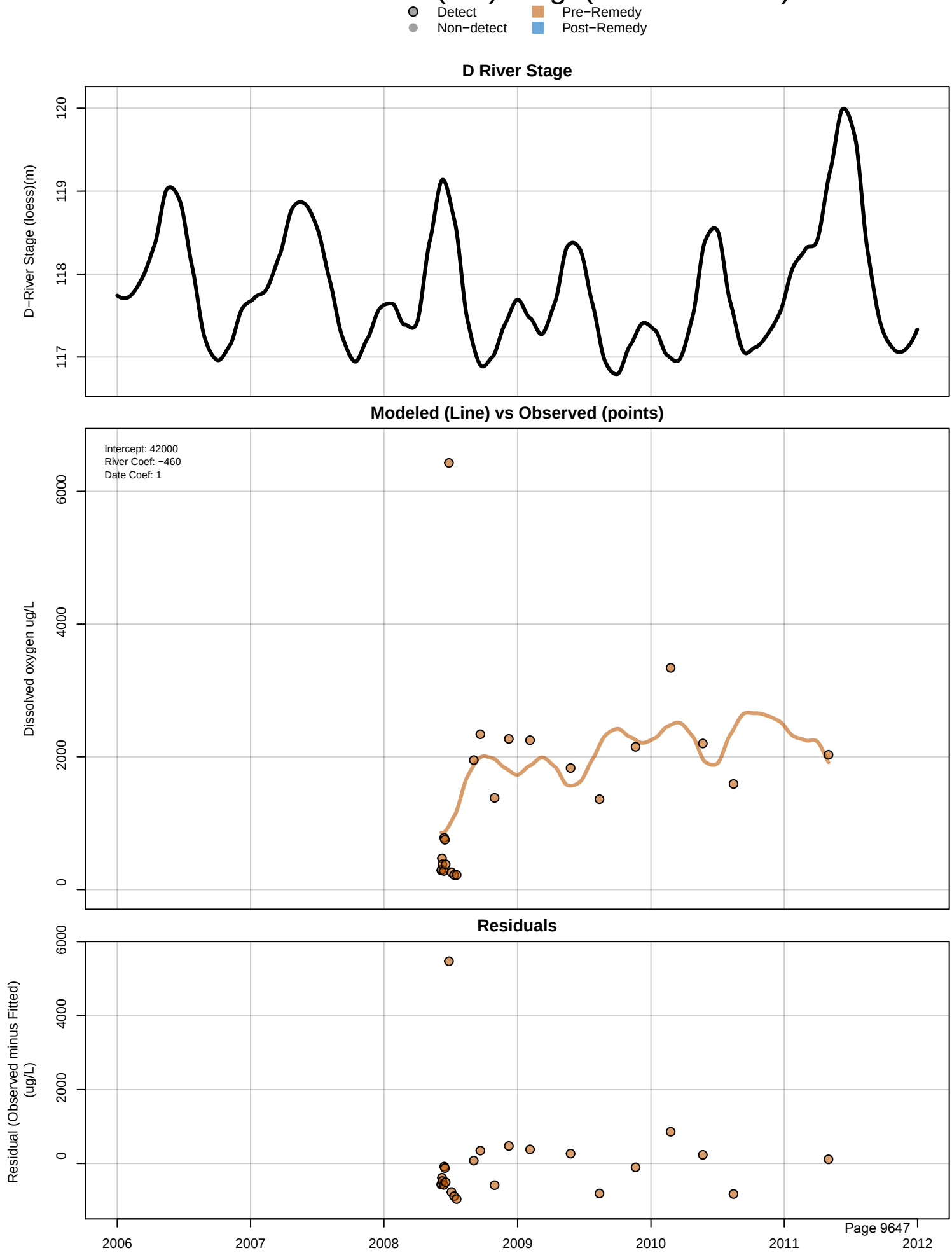


199−N−146 (4m) Lag (3 Days)

Detect
Non−detect
Pre−Remedy
Post−Remedy

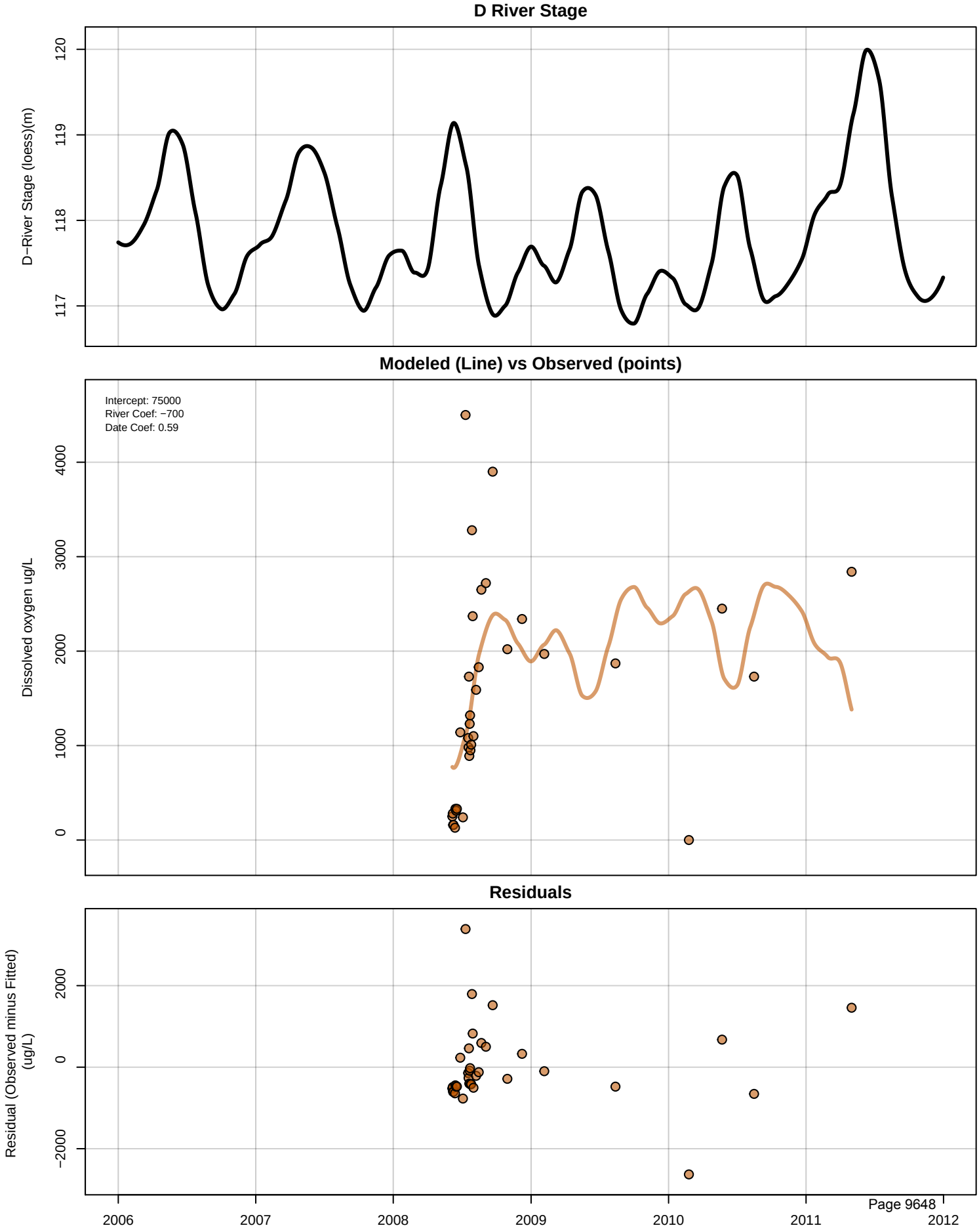


199−N−148 (4m) Lag (Indeterminate)

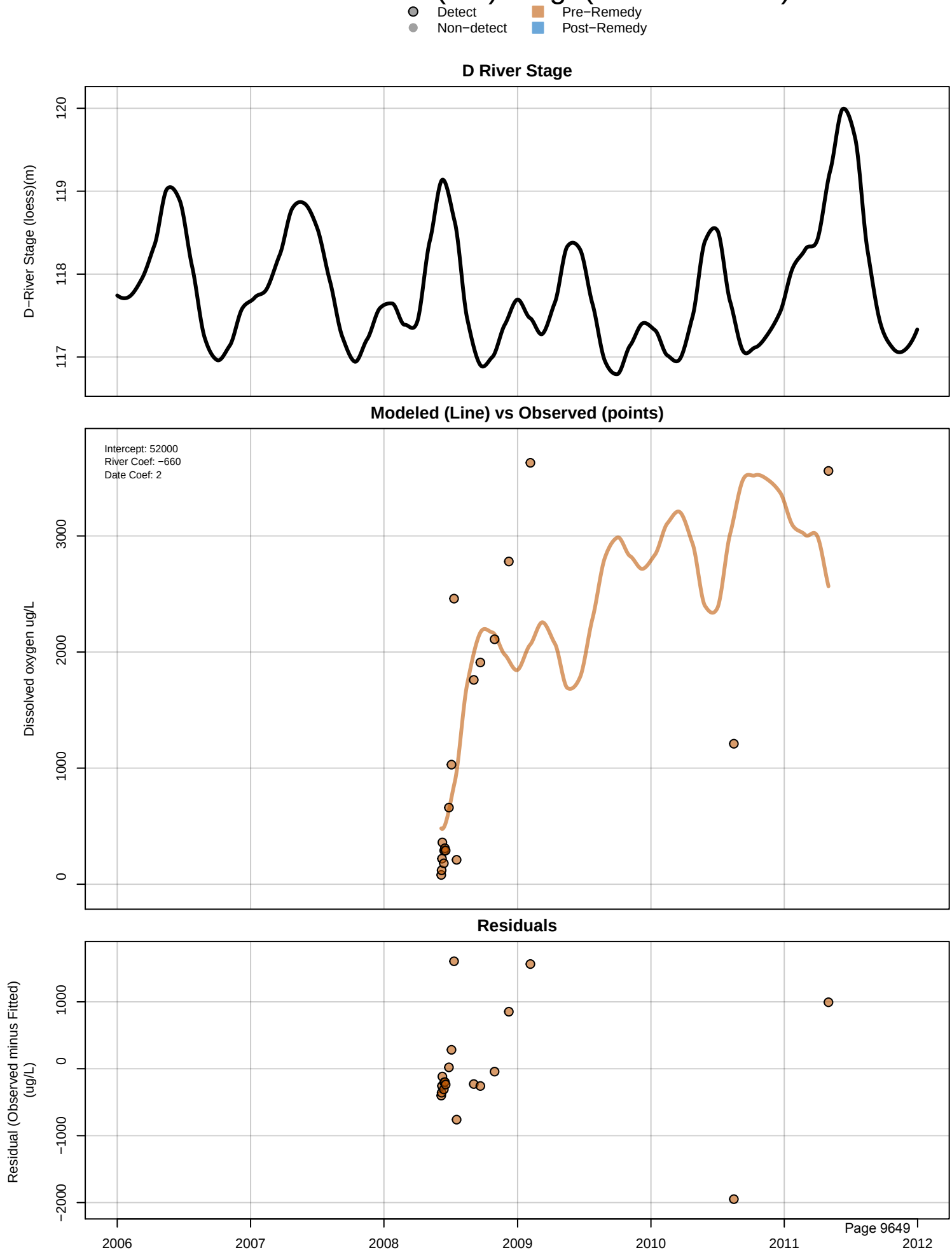


199−N−151 (6m) Lag (Indeterminate)

Detect
Non−detect
Pre−Remedy
Post−Remedy

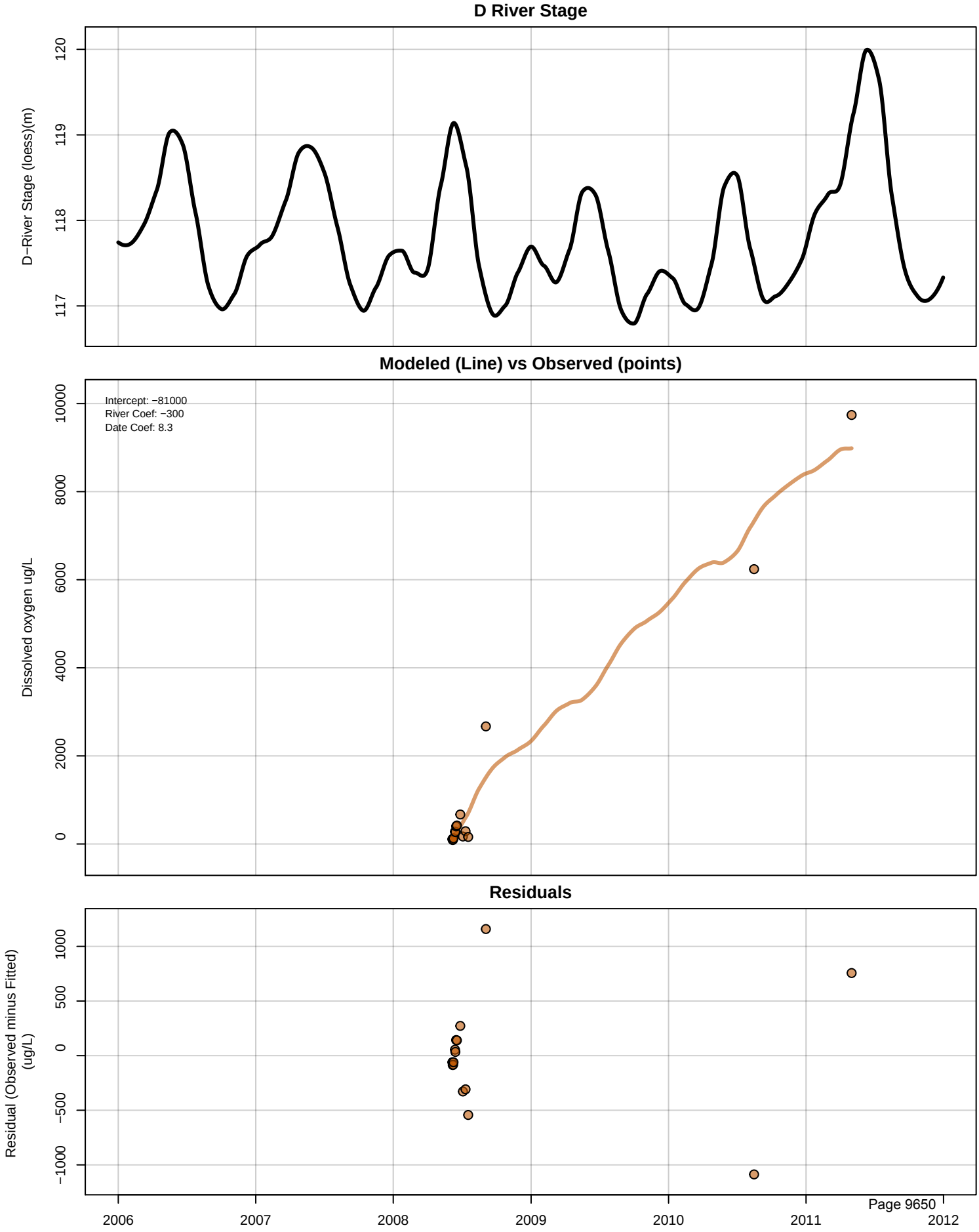


199−N−152 (6m) Lag (Indeterminate)



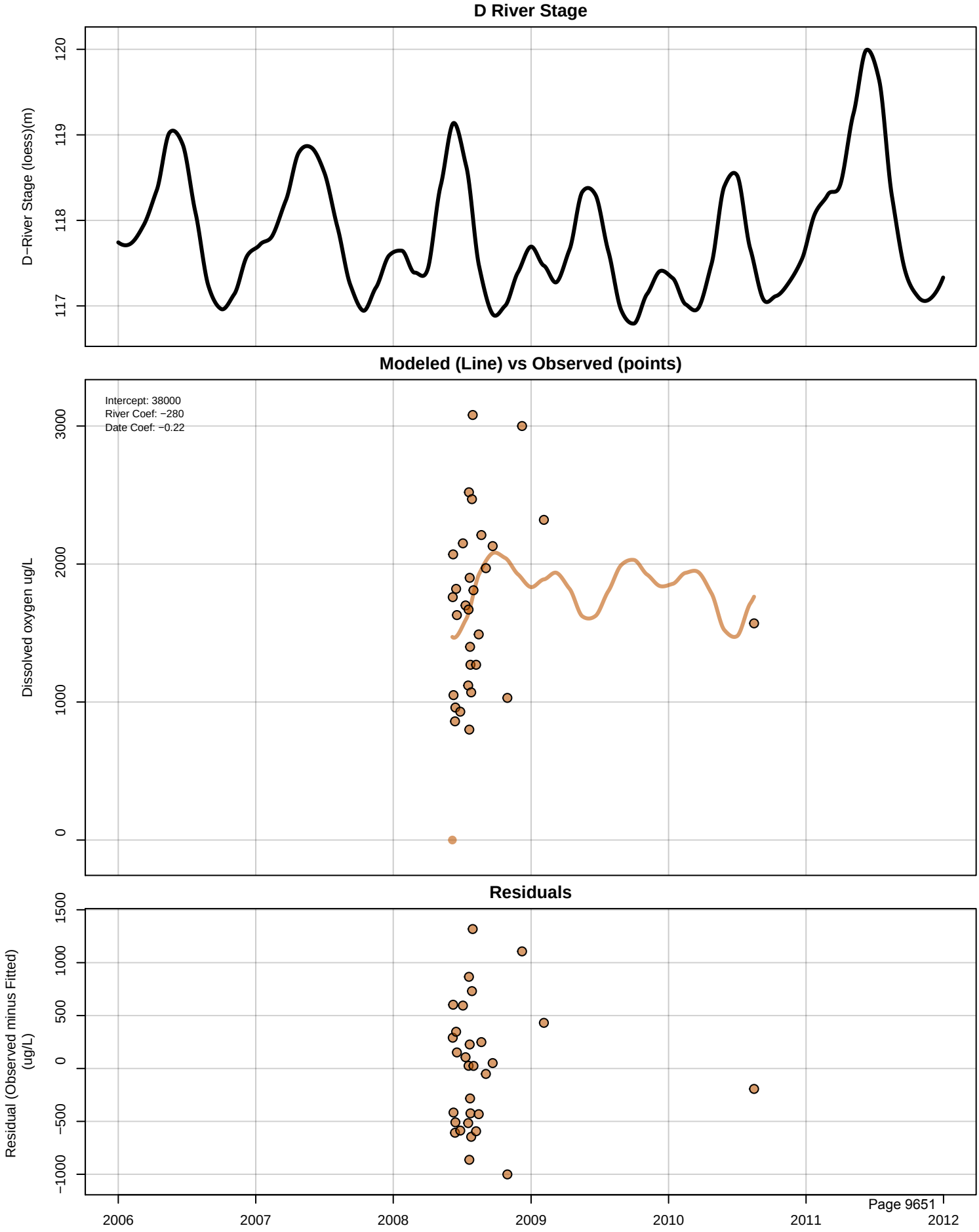
199−N−153 (8m) Lag (Indeterminate)

Detect
Non−detect
Pre−Remedy
Post−Remedy

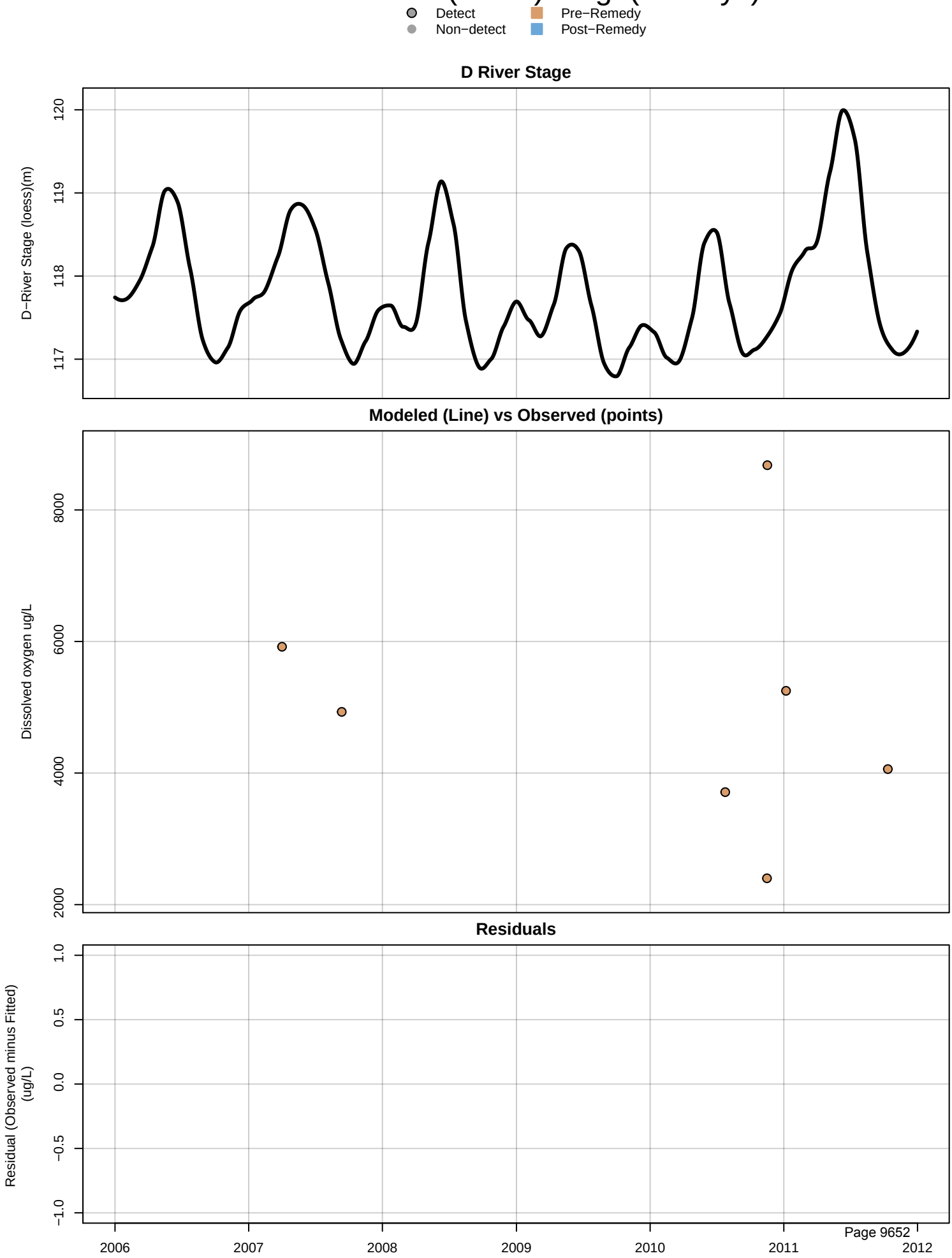


199−N−159 (9m) Lag (Indeterminate)

Detect
Non−detect
Pre−Remedy
Post−Remedy

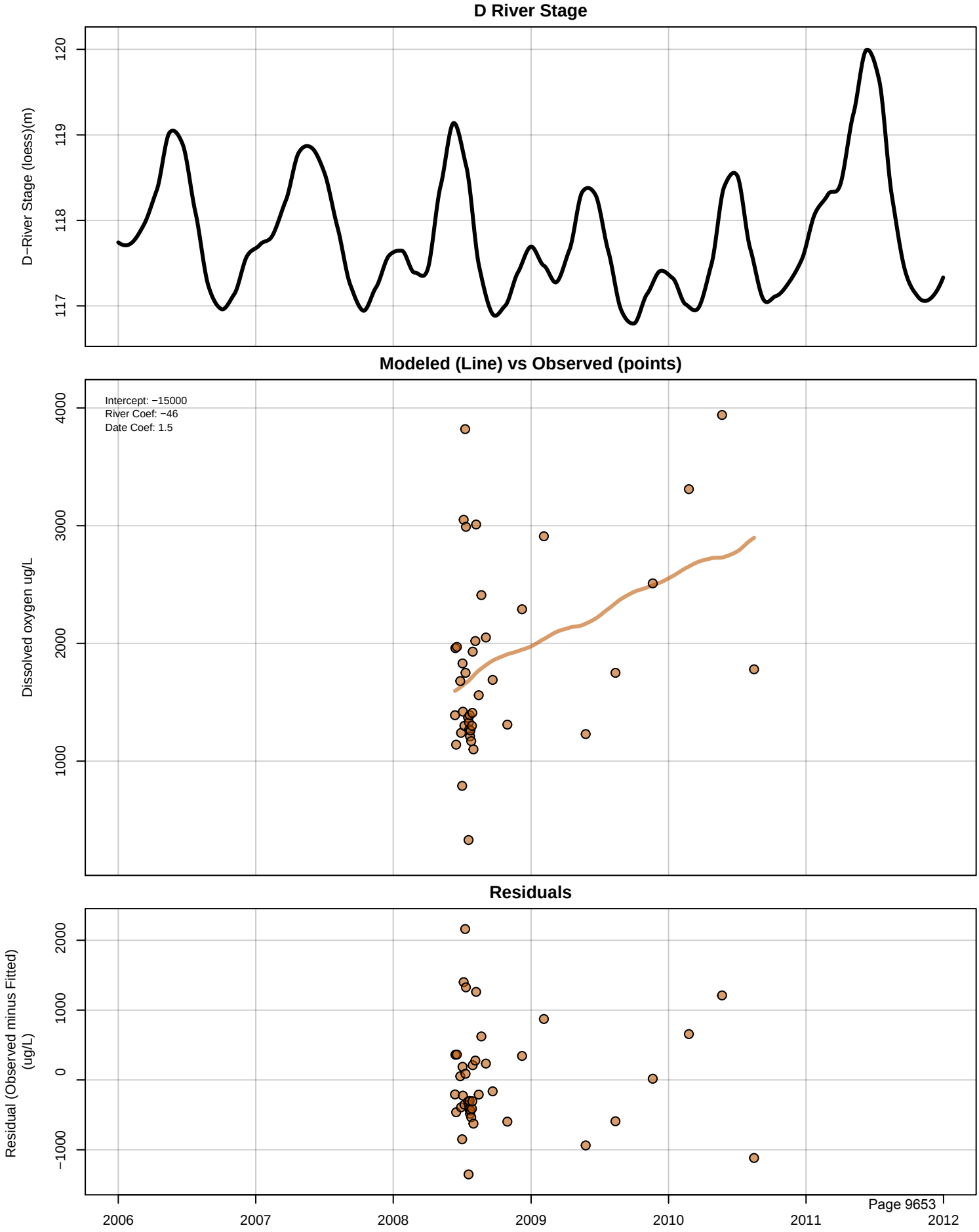


199−N−16 (257m) Lag (36 Days)



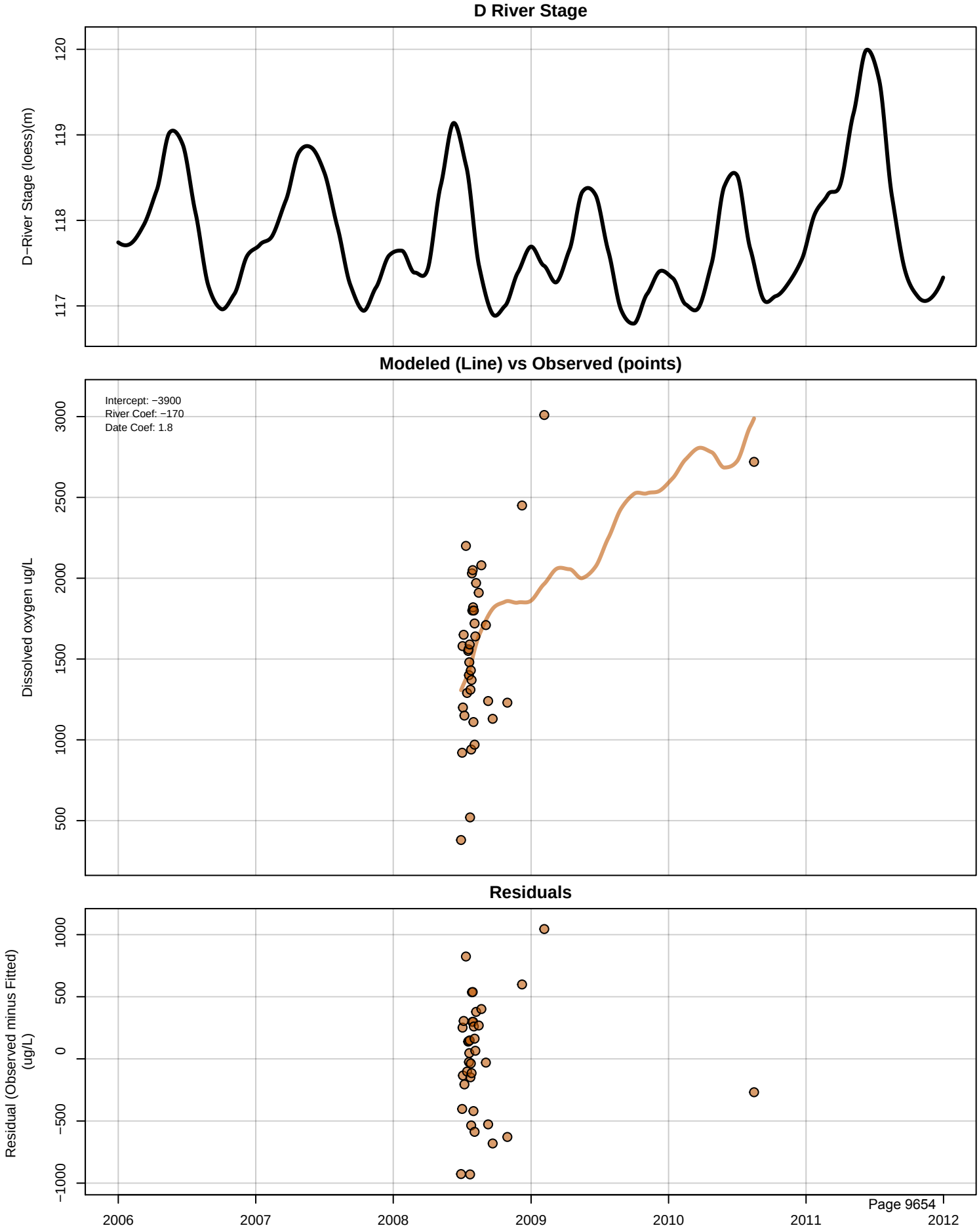
199−N−160 (8m) Lag (Indeterminate)

Detect
Non−detect
Pre−Remedy
Post−Remedy



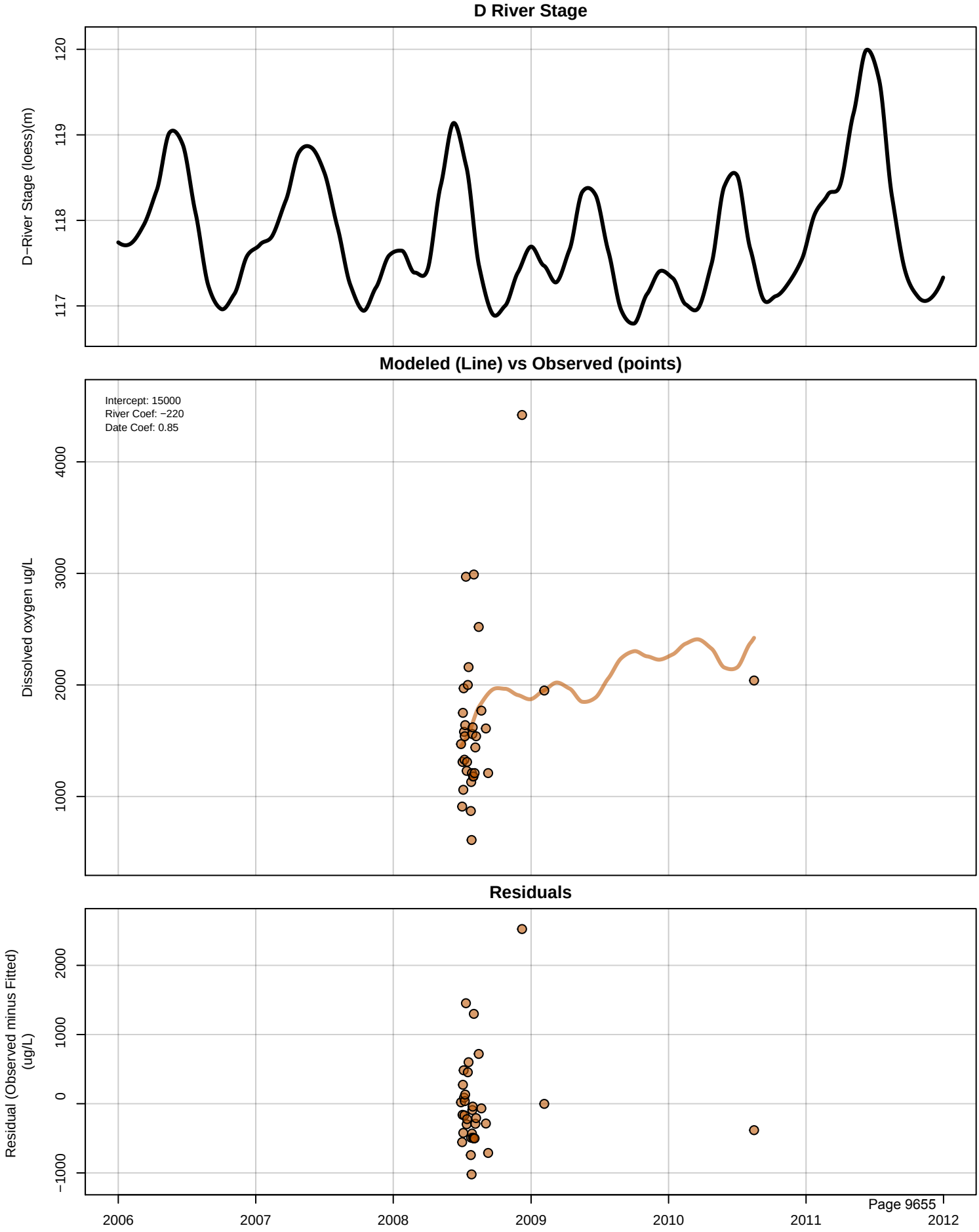
199−N−161 (4m) Lag (Indeterminate)

Detect
Non−detect
Pre−Remedy
Post−Remedy



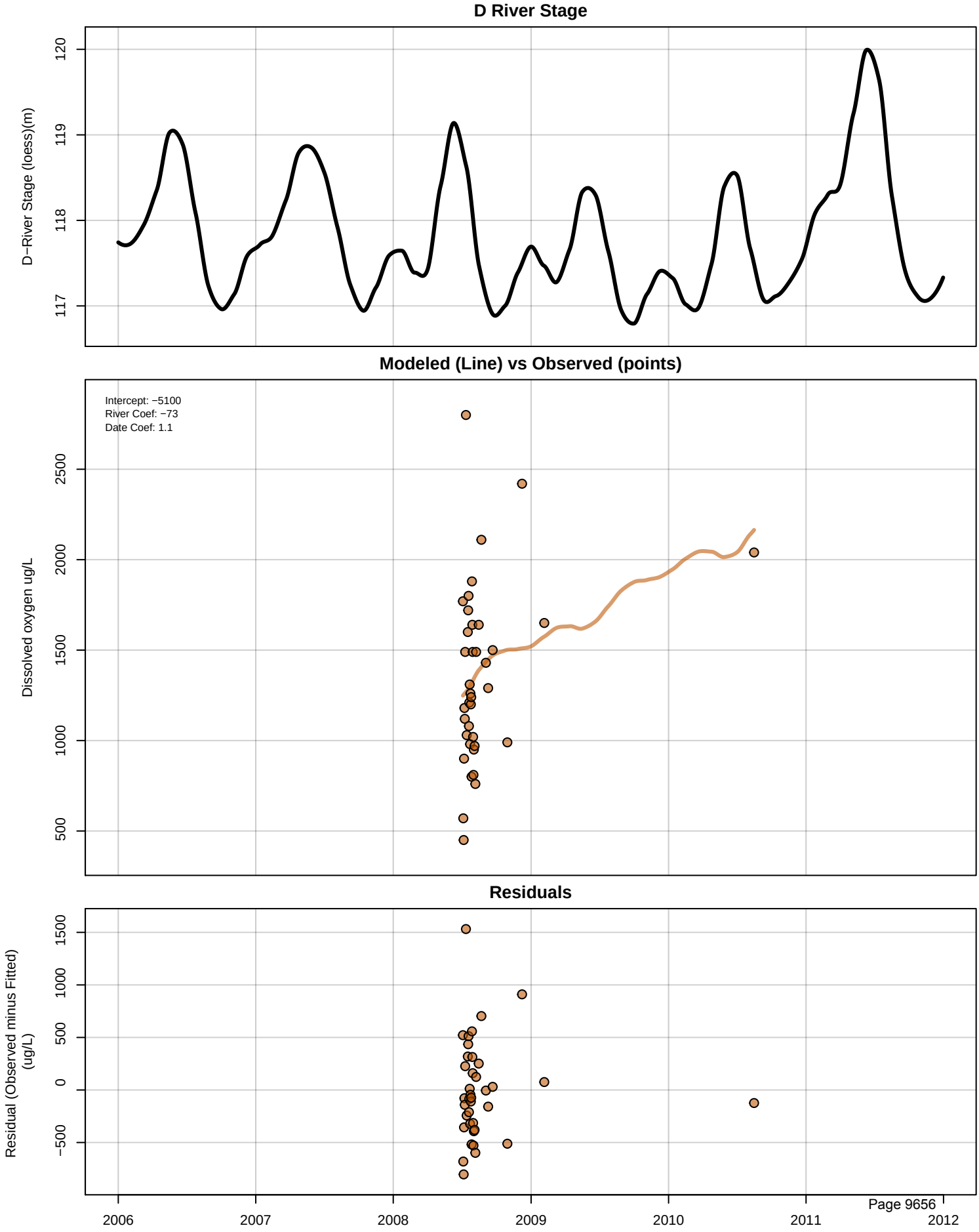
199−N−162 (6m) Lag (Indeterminate)

Detect
Non−detect
Pre−Remedy
Post−Remedy

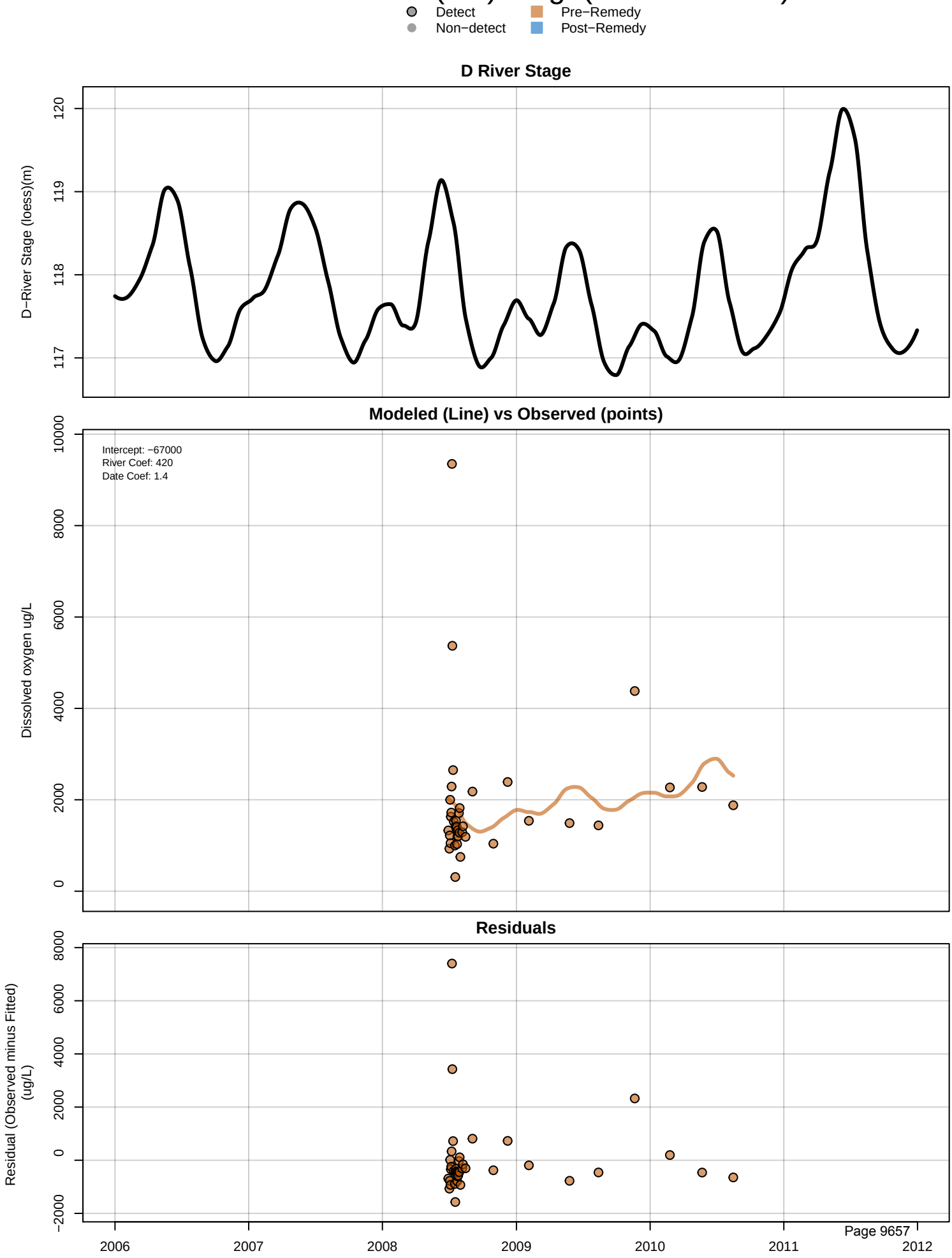


199−N−163 (7m) Lag (Indeterminate)

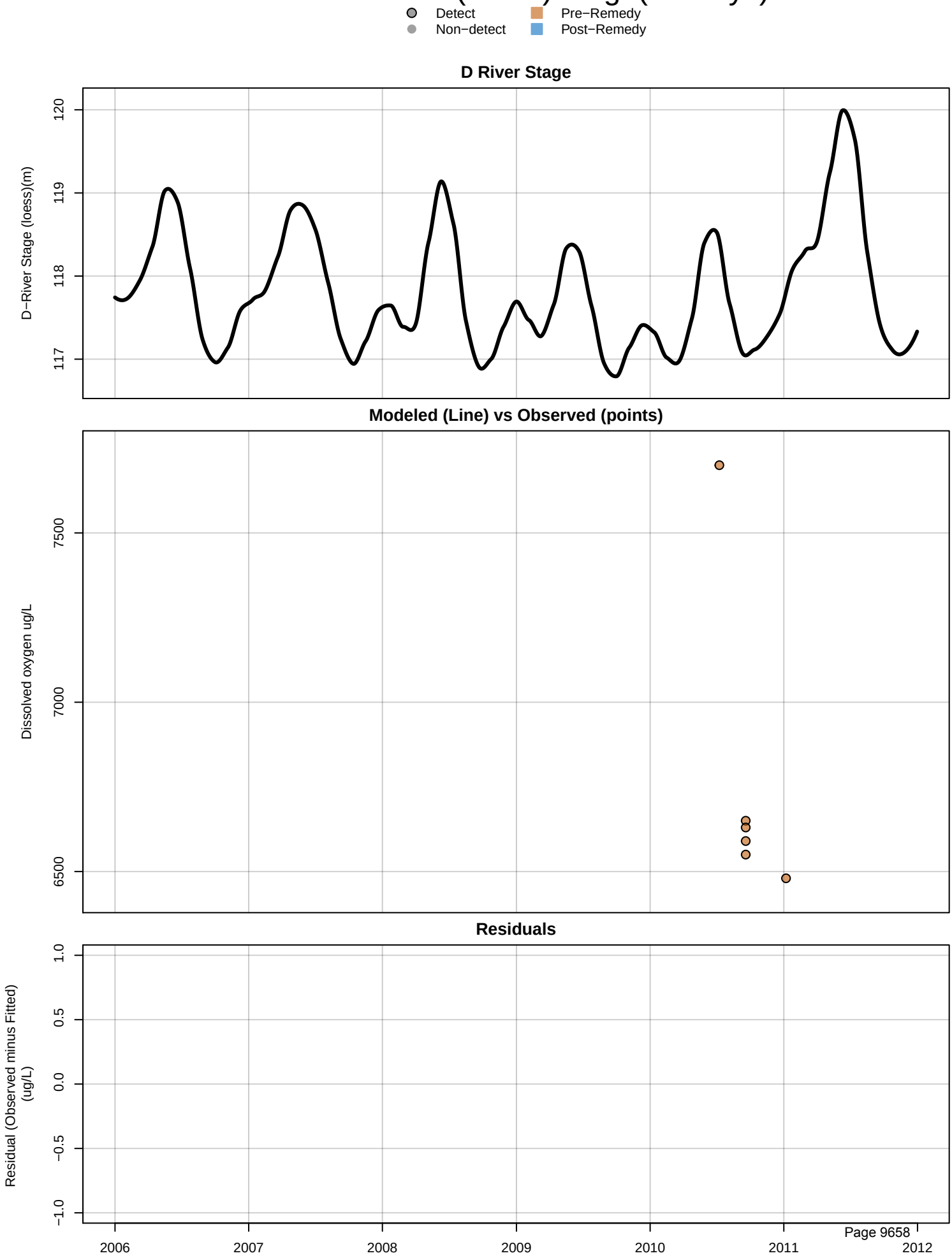
Detect
Non−detect
Pre−Remedy
Post−Remedy



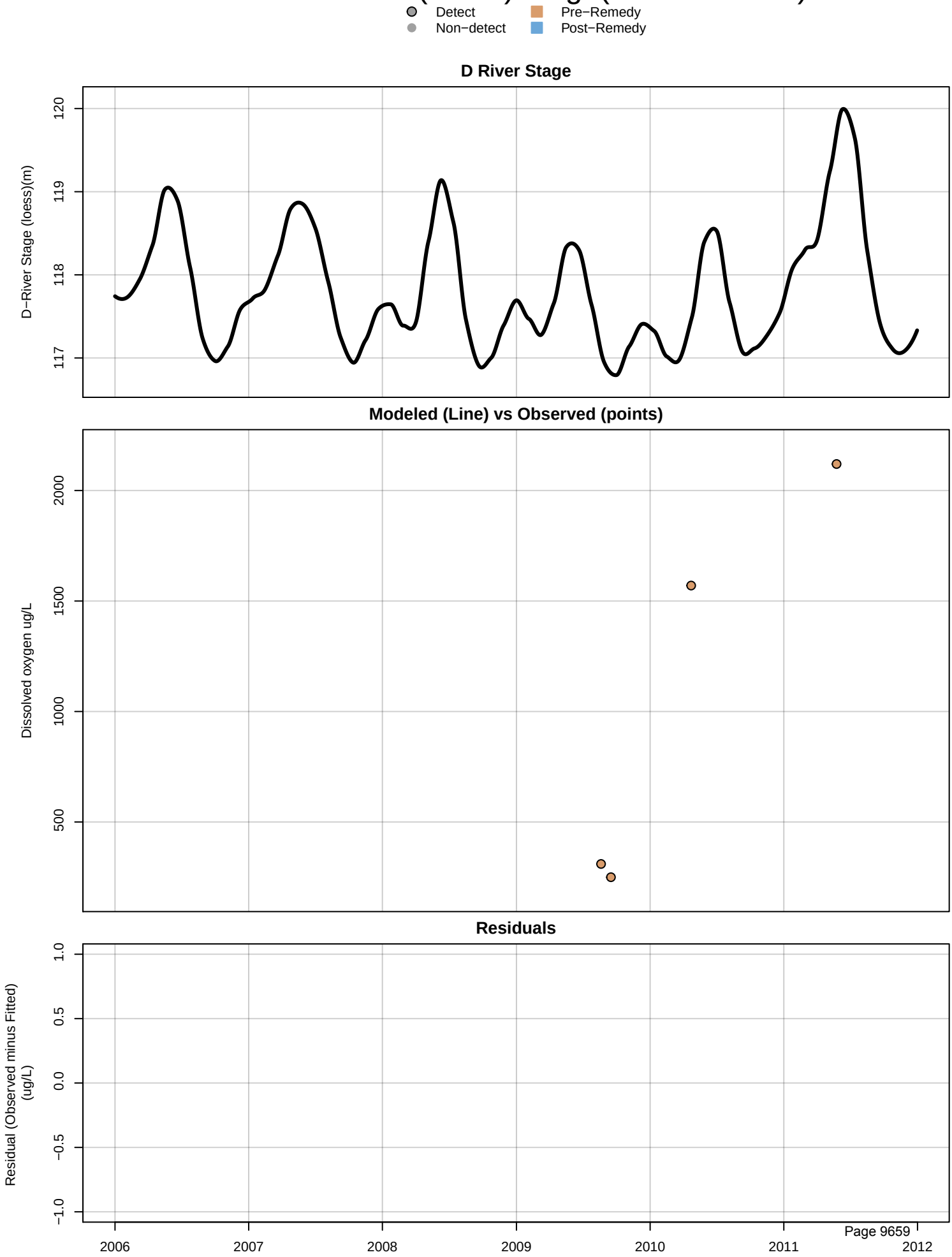
199−N−164 (8m) Lag (Indeterminate)



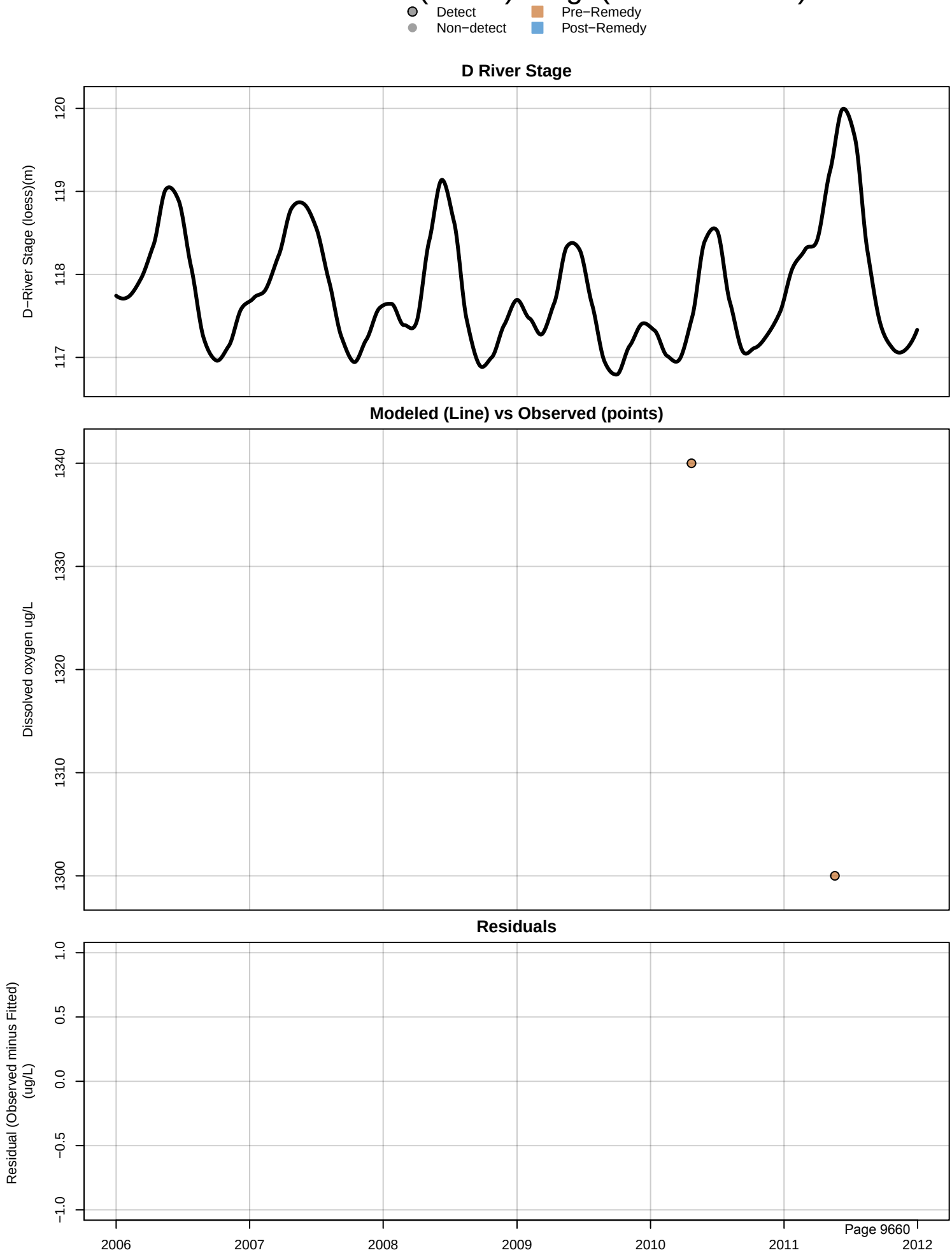
199−N−165 (393m) Lag (46 Days)



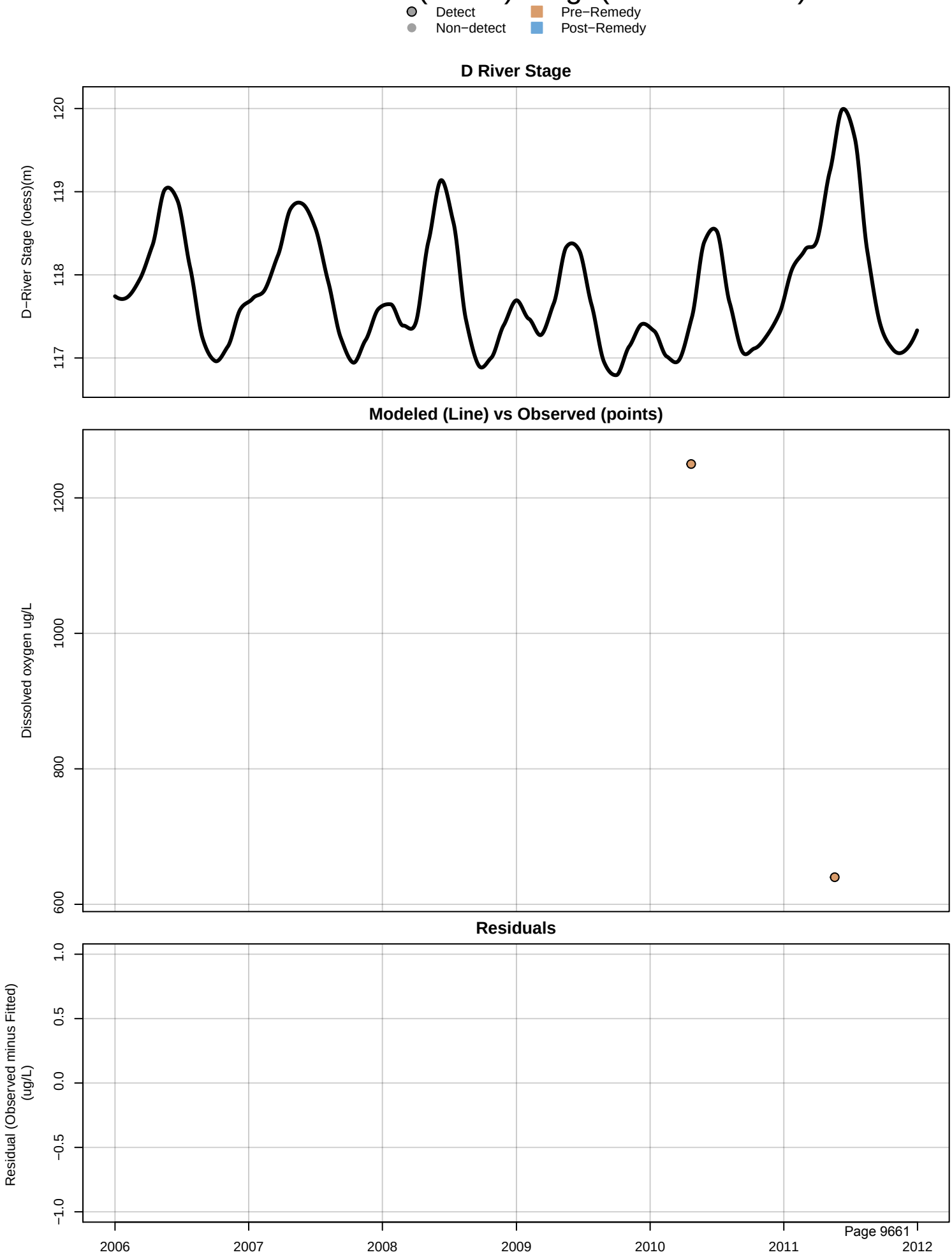
199−N−167 (131m) Lag (Indeterminate)



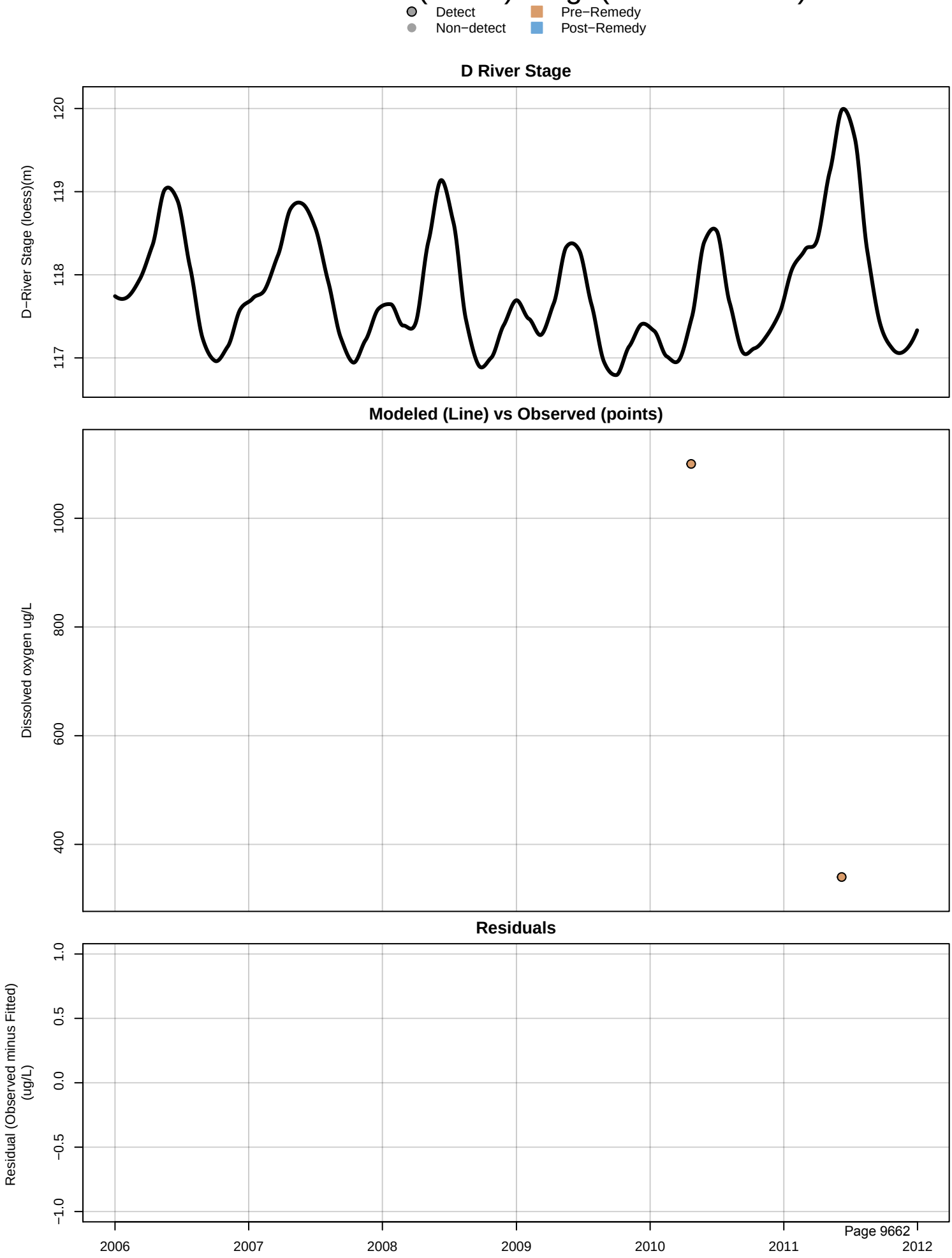
199−N−169 (126m) Lag (Indeterminate)



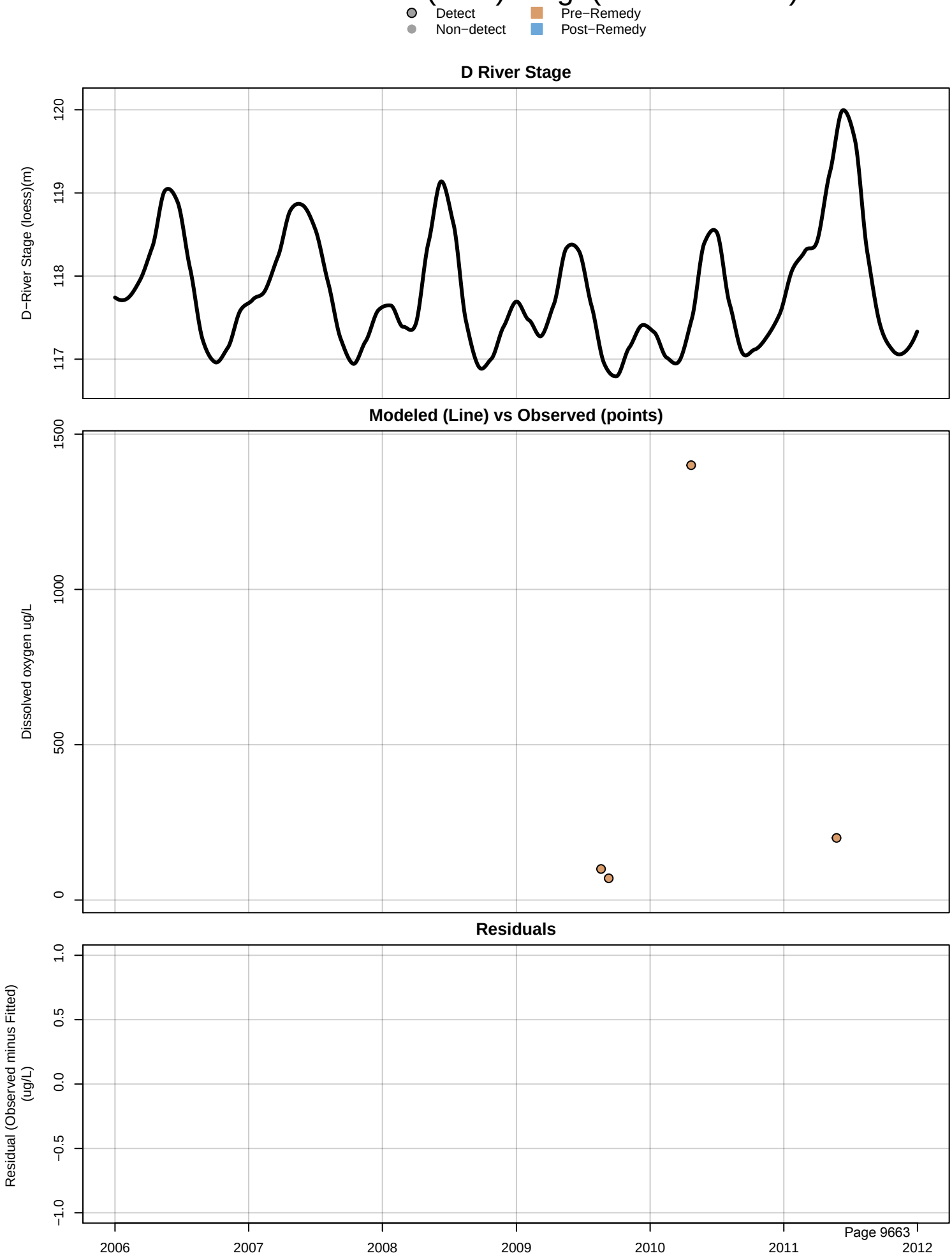
199−N−170 (116m) Lag (Indeterminate)



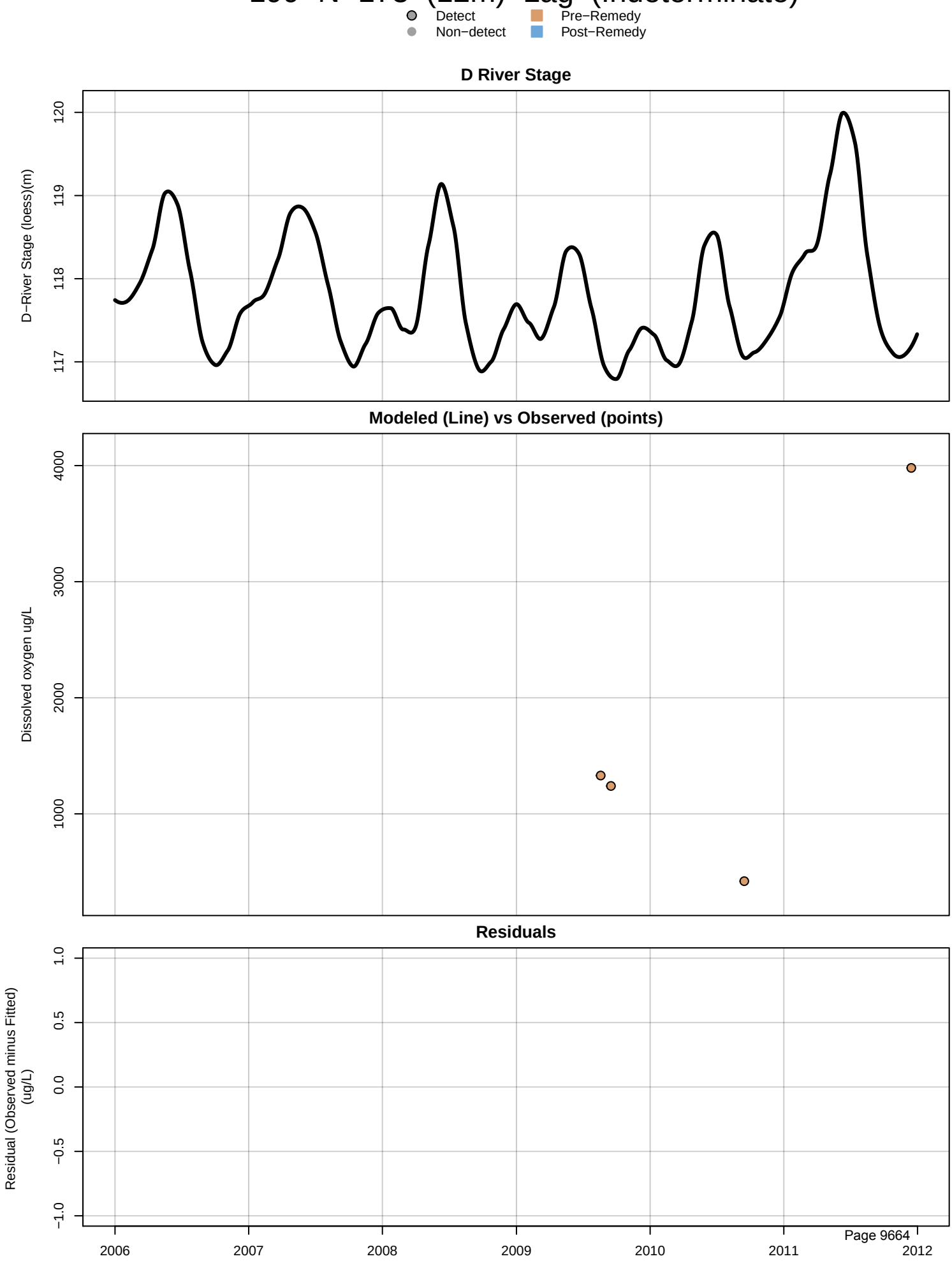
199−N−171 (108m) Lag (Indeterminate)



199−N−172 (81m) Lag (Indeterminate)

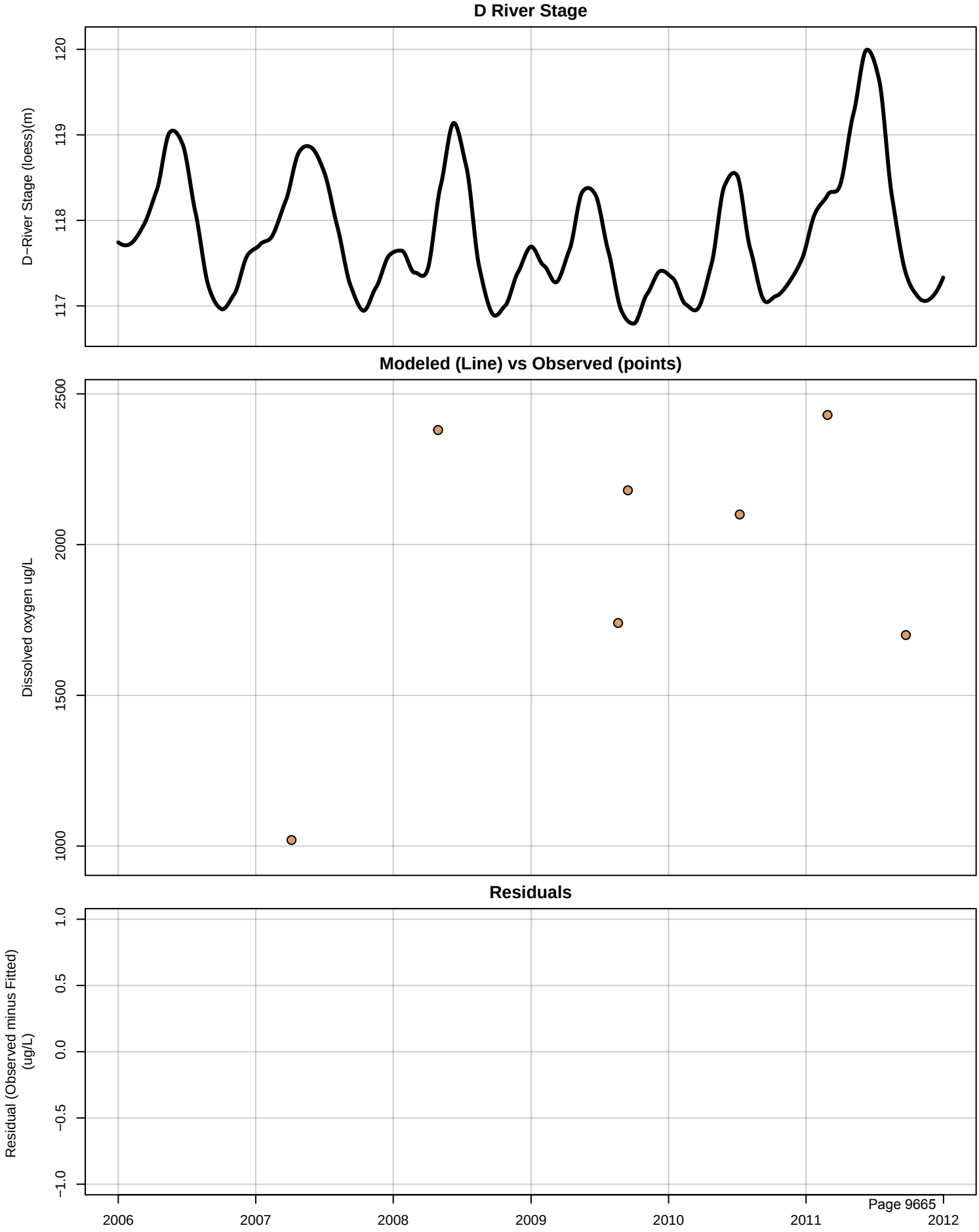


199−N−173 (12m) Lag (Indeterminate)

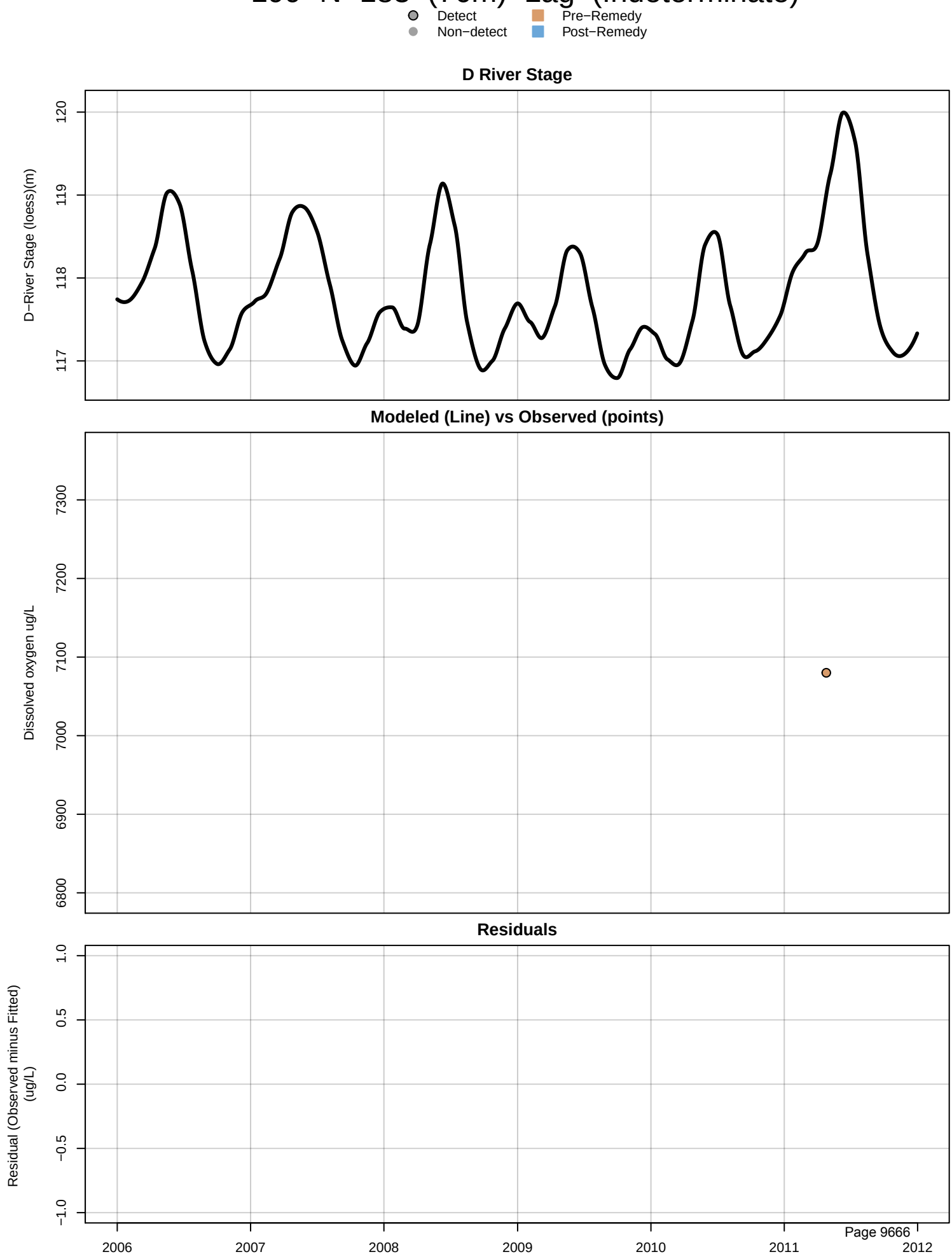


199−N−18 (72m) Lag (18 Days)

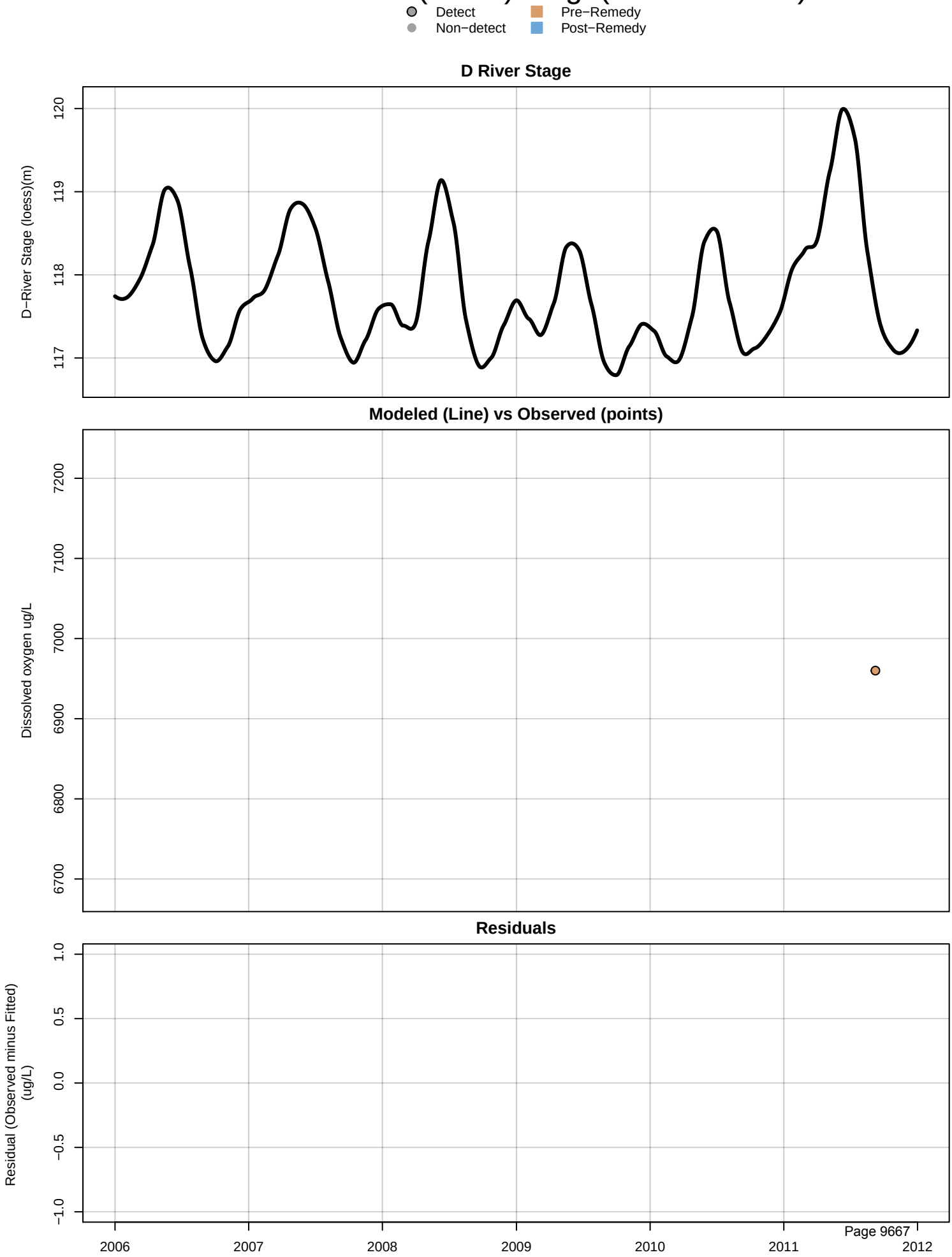
Detect
Non−detect
Pre−Remedy
Post−Remedy



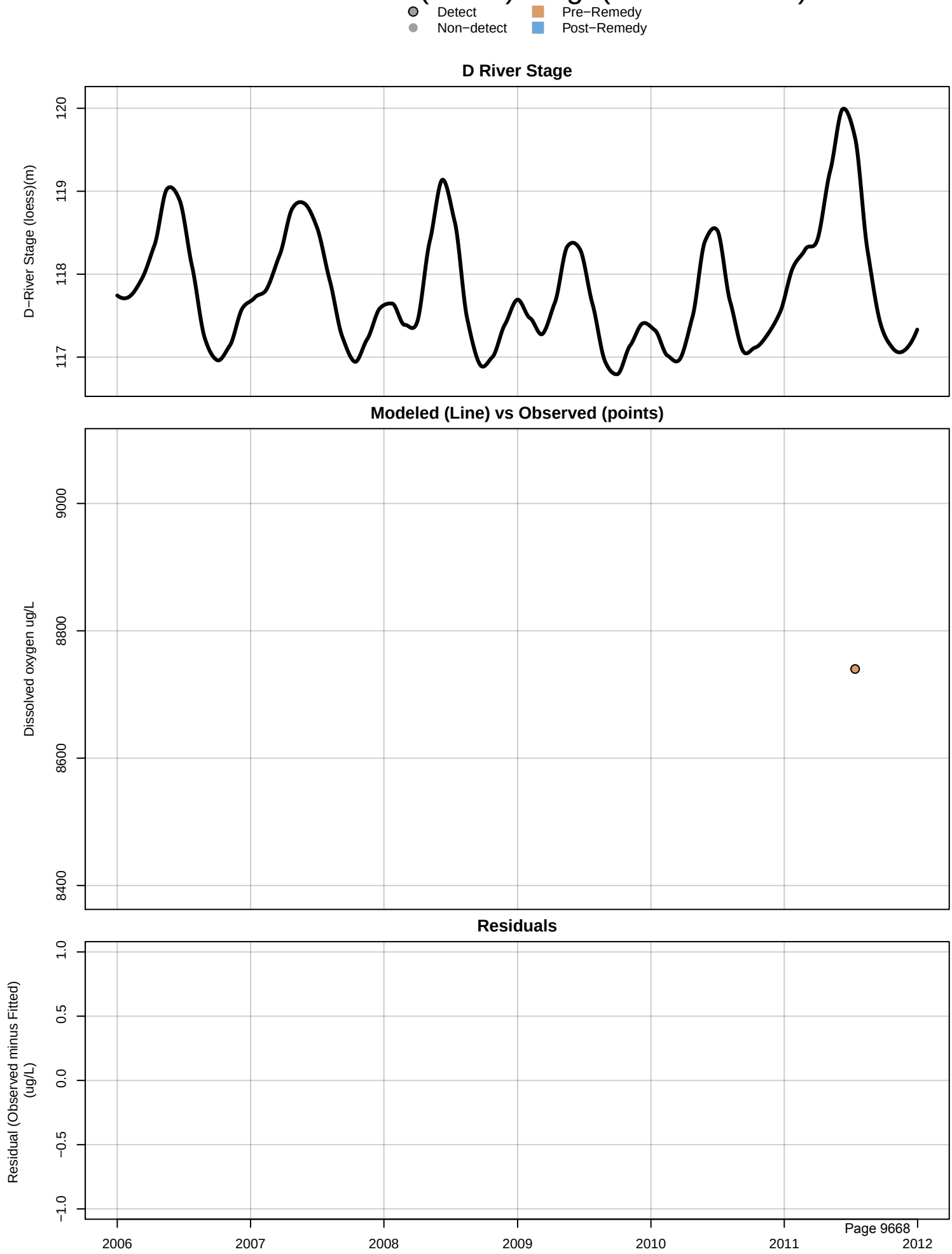
199−N−183 (76m) Lag (Indeterminate)



199−N−184 (159m) Lag (Indeterminate)

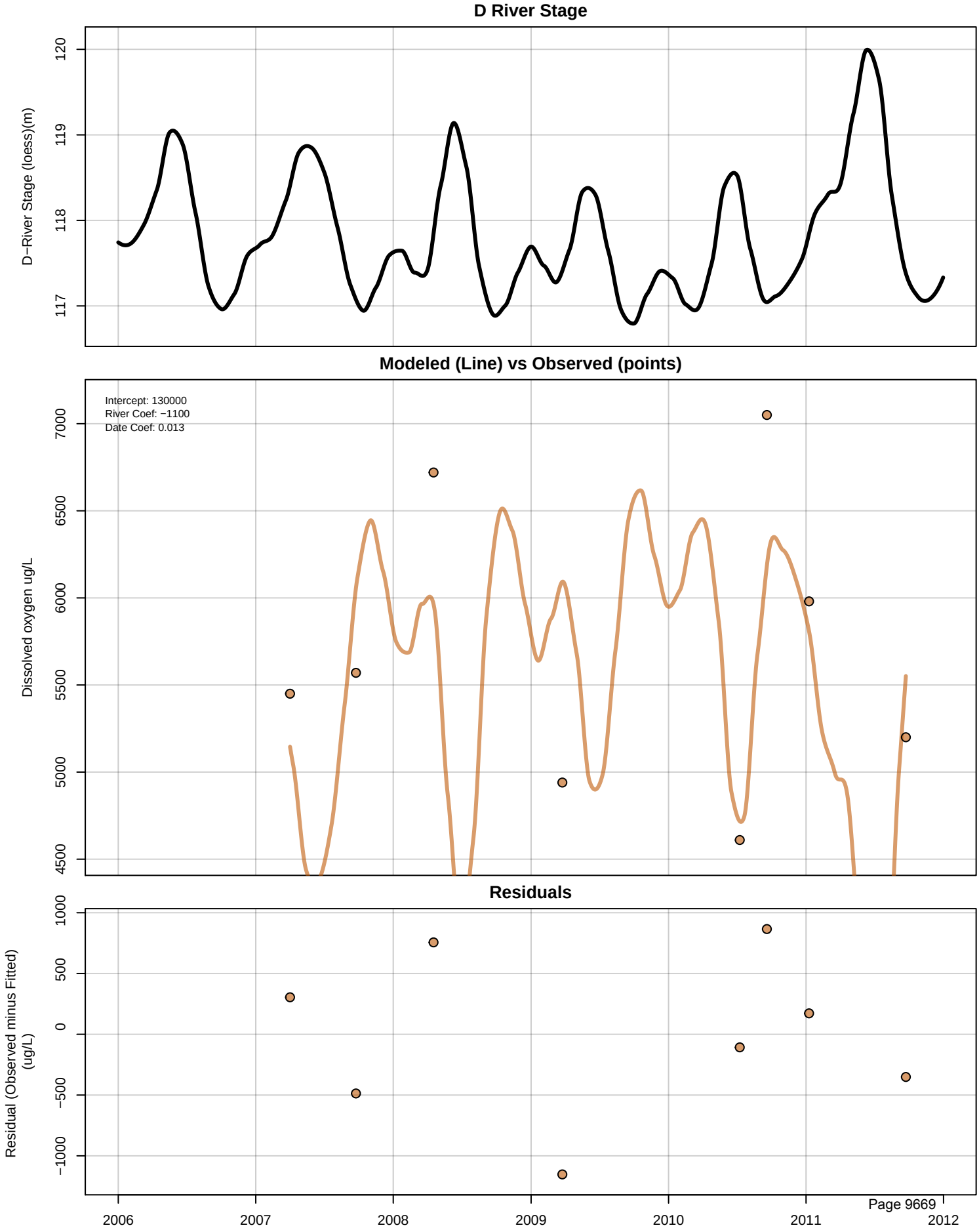


199−N−189 (983m) Lag (Indeterminate)

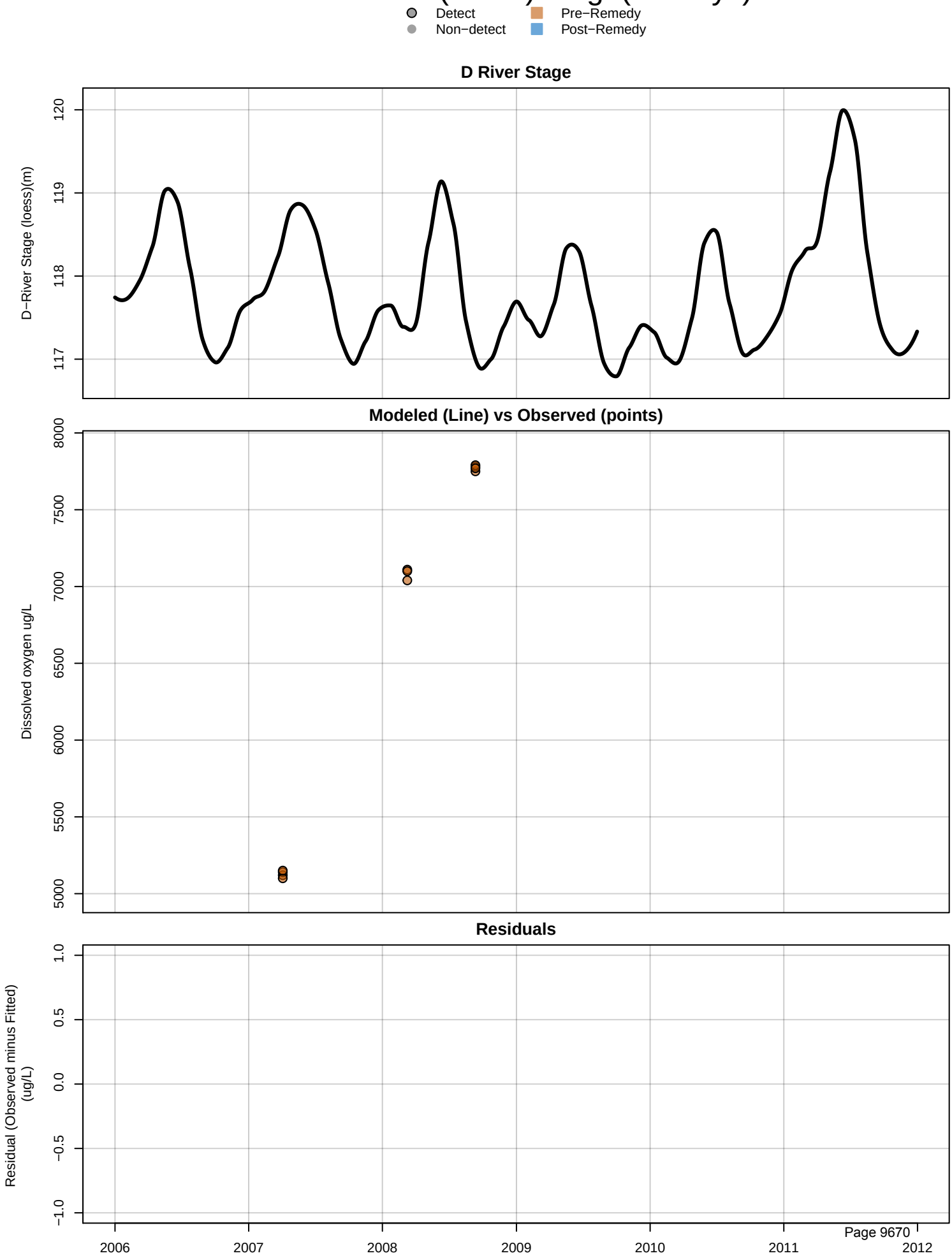


199−N−19 (47m) Lag (19 Days)

Detect
Non−detect
Pre−Remedy
Post−Remedy

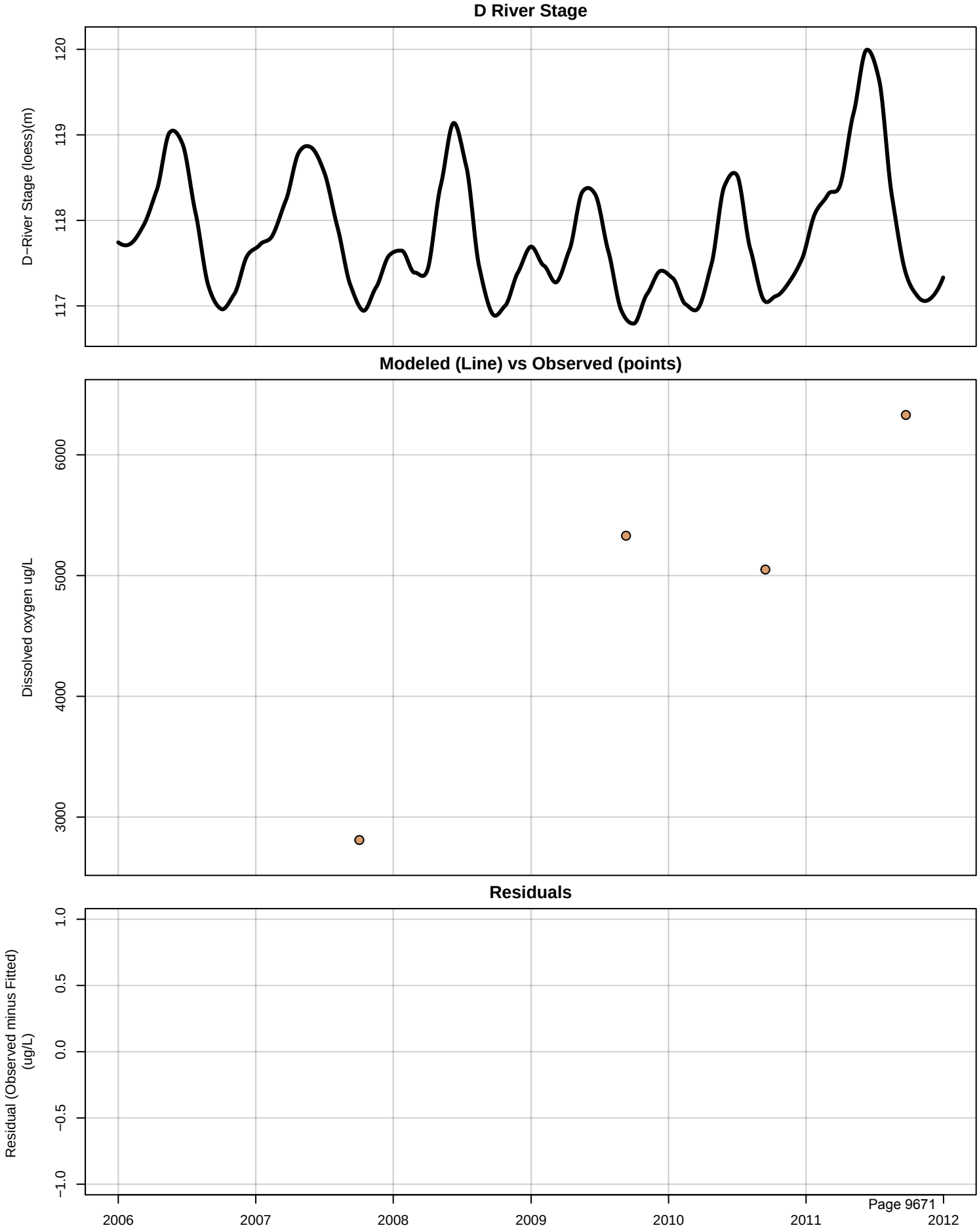


199−N−2 (163m) Lag (26 Days)



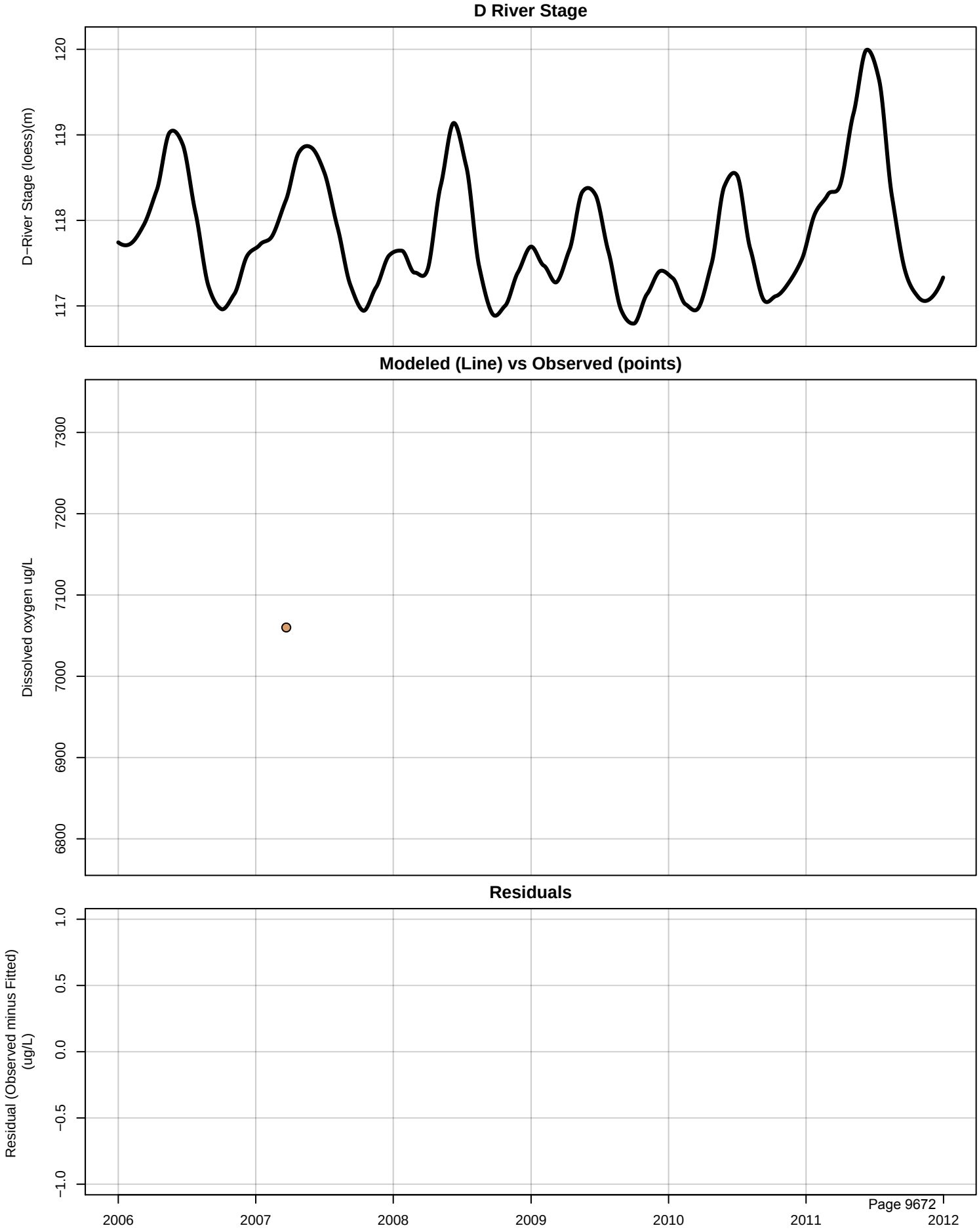
199−N−21 (57m) Lag (23 Days)

Detect
Non−detect
Pre−Remedy
Post−Remedy



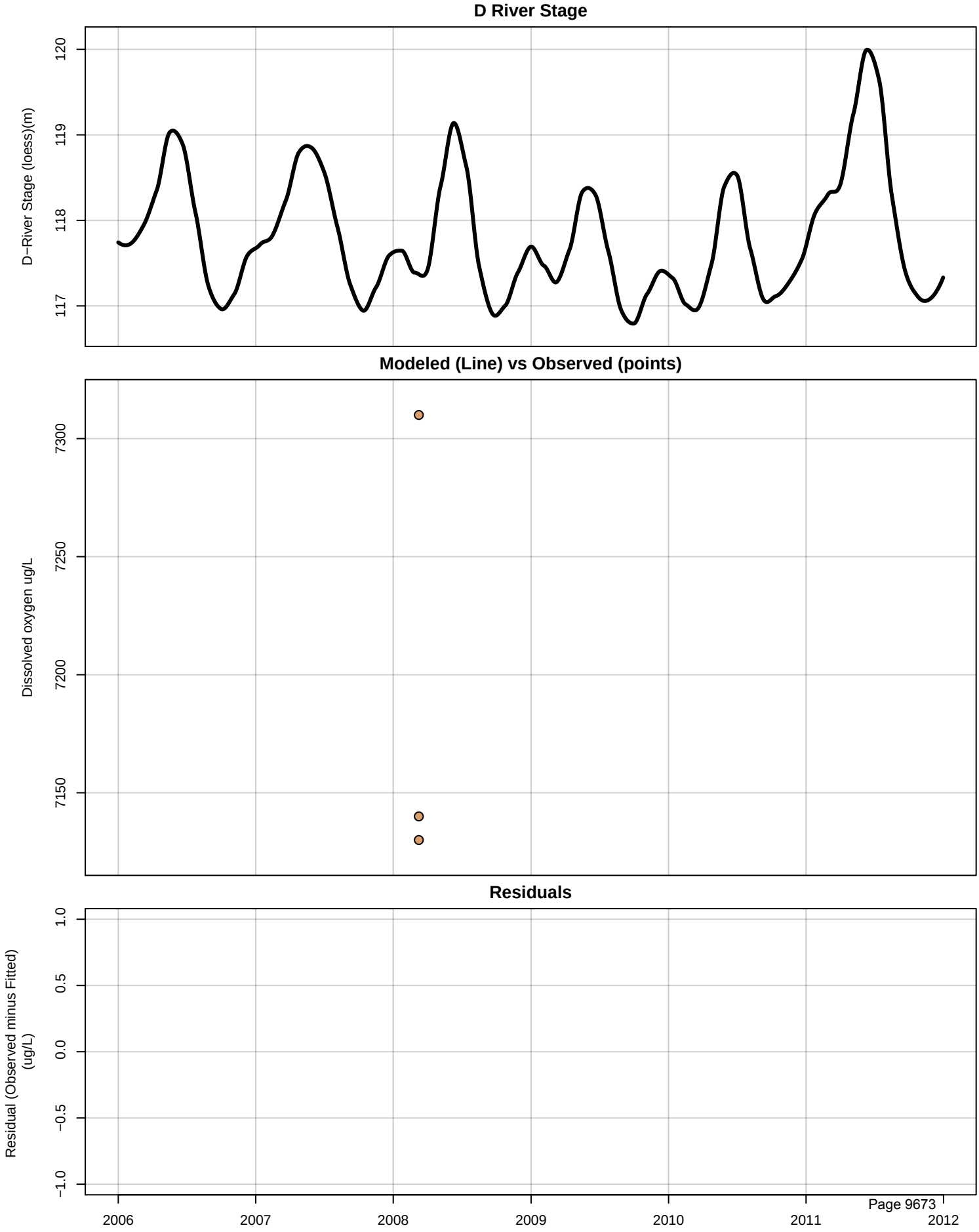
199−N−26 (69m) Lag (0 Days)

Detect
Non−detect
Pre−Remedy
Post−Remedy



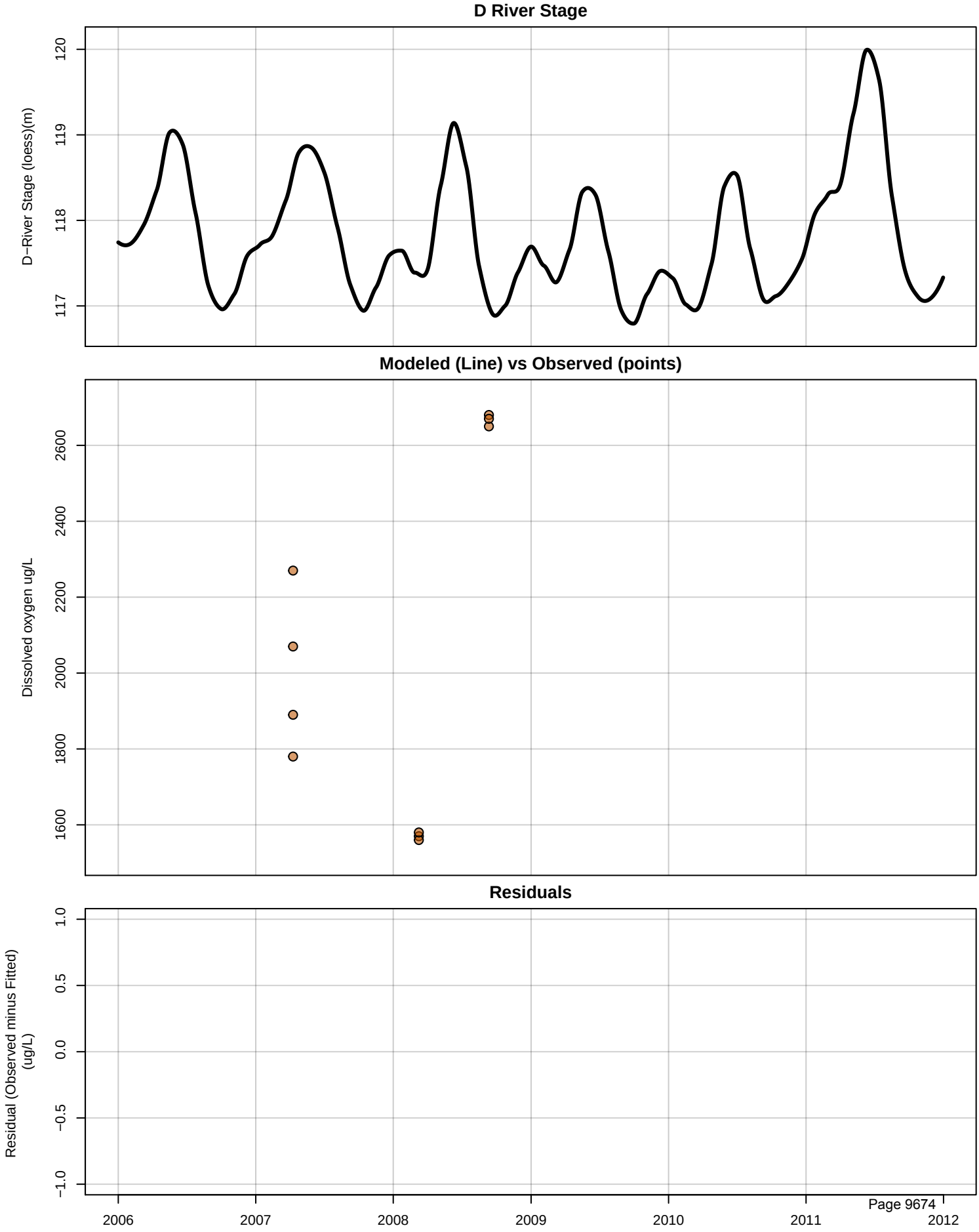
199−N−28 (774m) Lag (123 Days)

Detect
Non−detect
Pre−Remedy
Post−Remedy

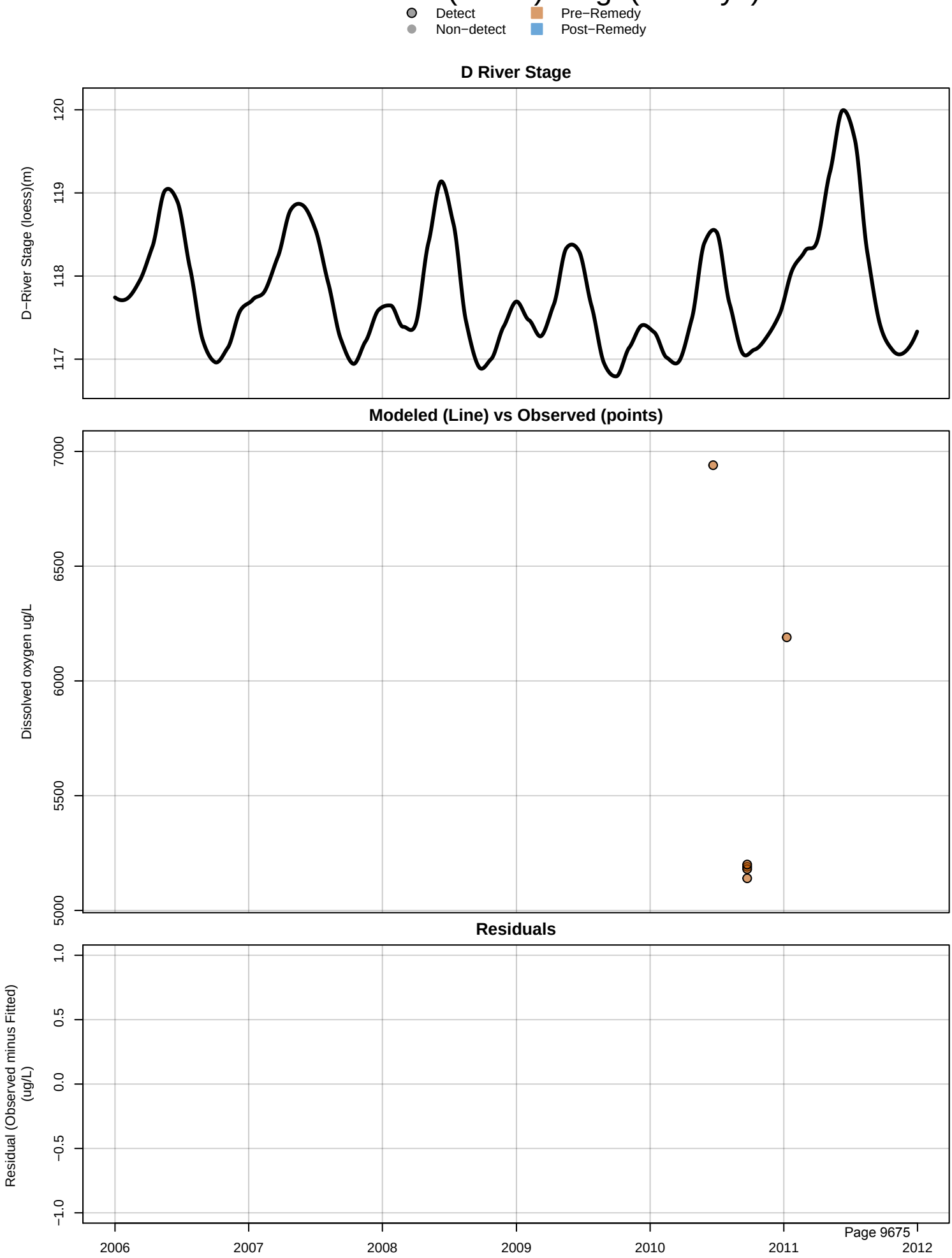


199−N−3 (96m) Lag (18 Days)

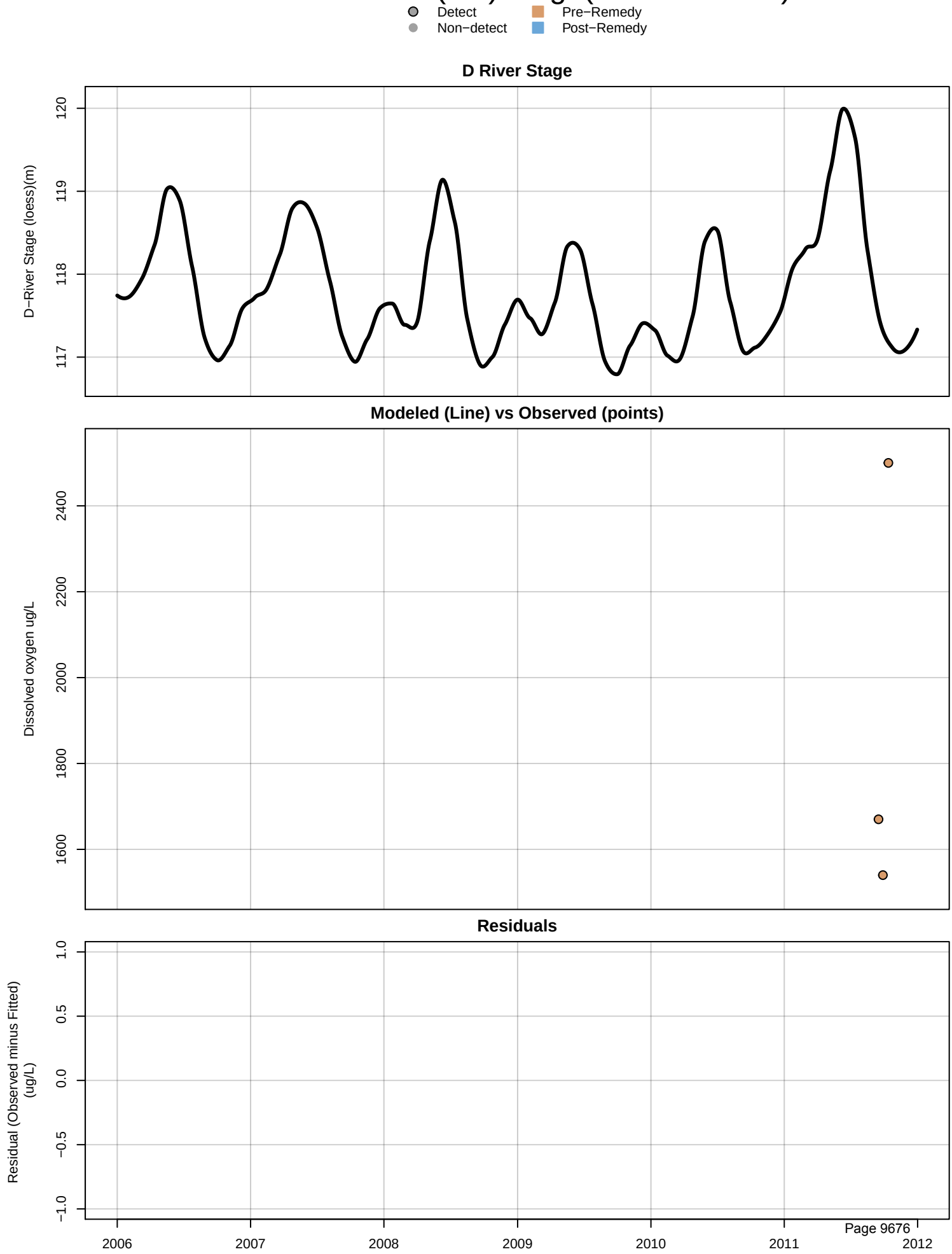
Detect
Non−detect
Pre−Remedy
Post−Remedy



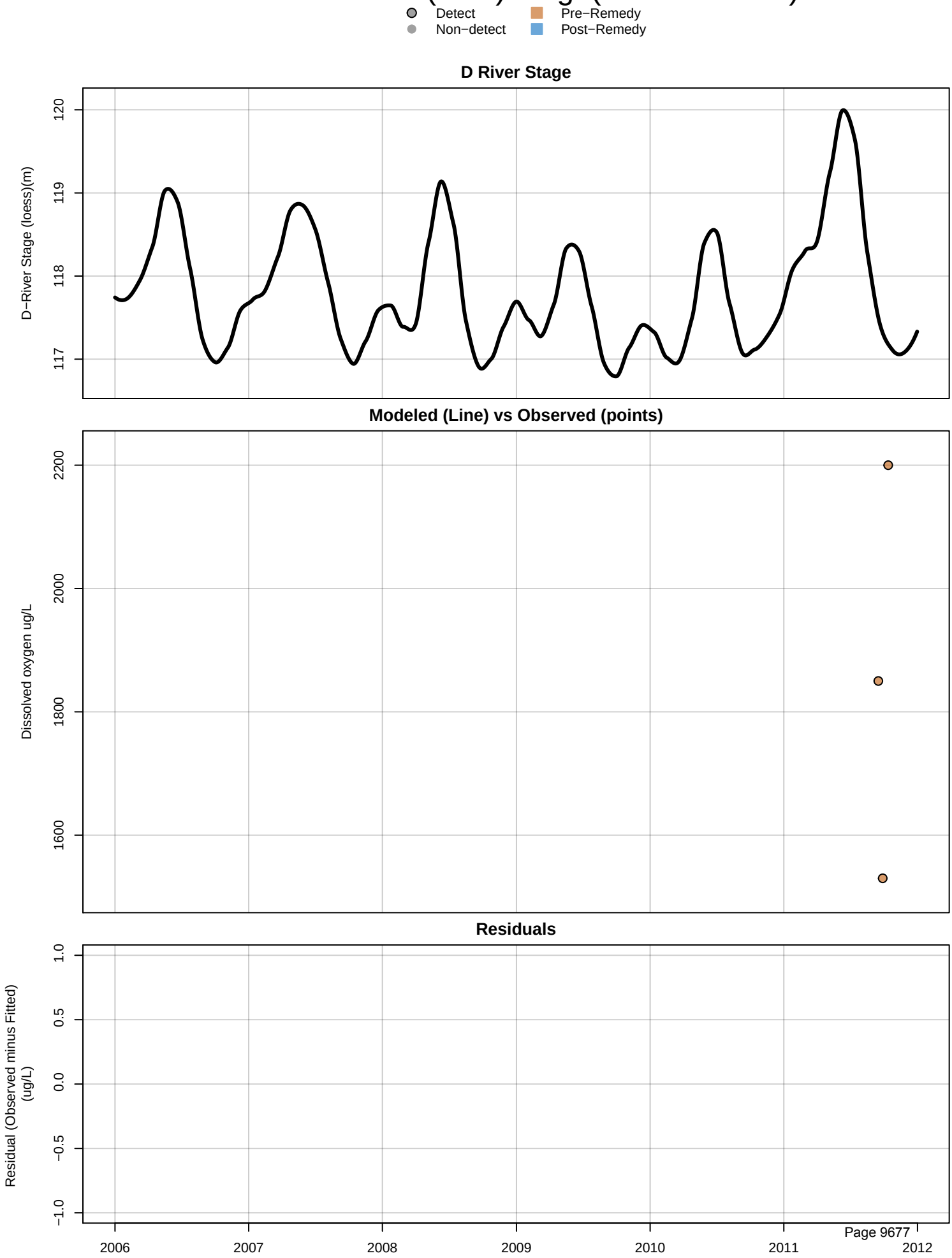
199−N−32 (597m) Lag (63 Days)



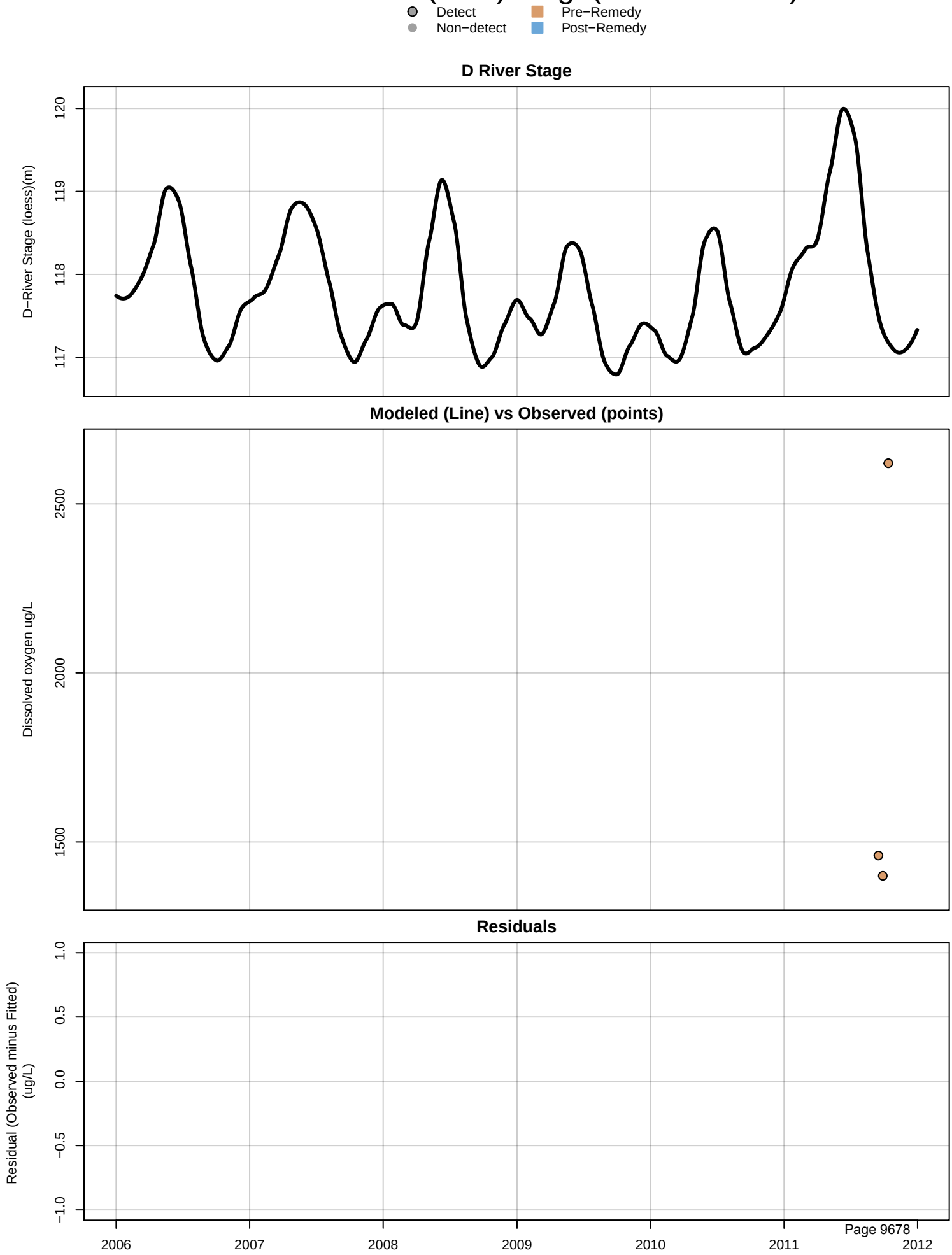
199−N−347 (8m) Lag (Indeterminate)



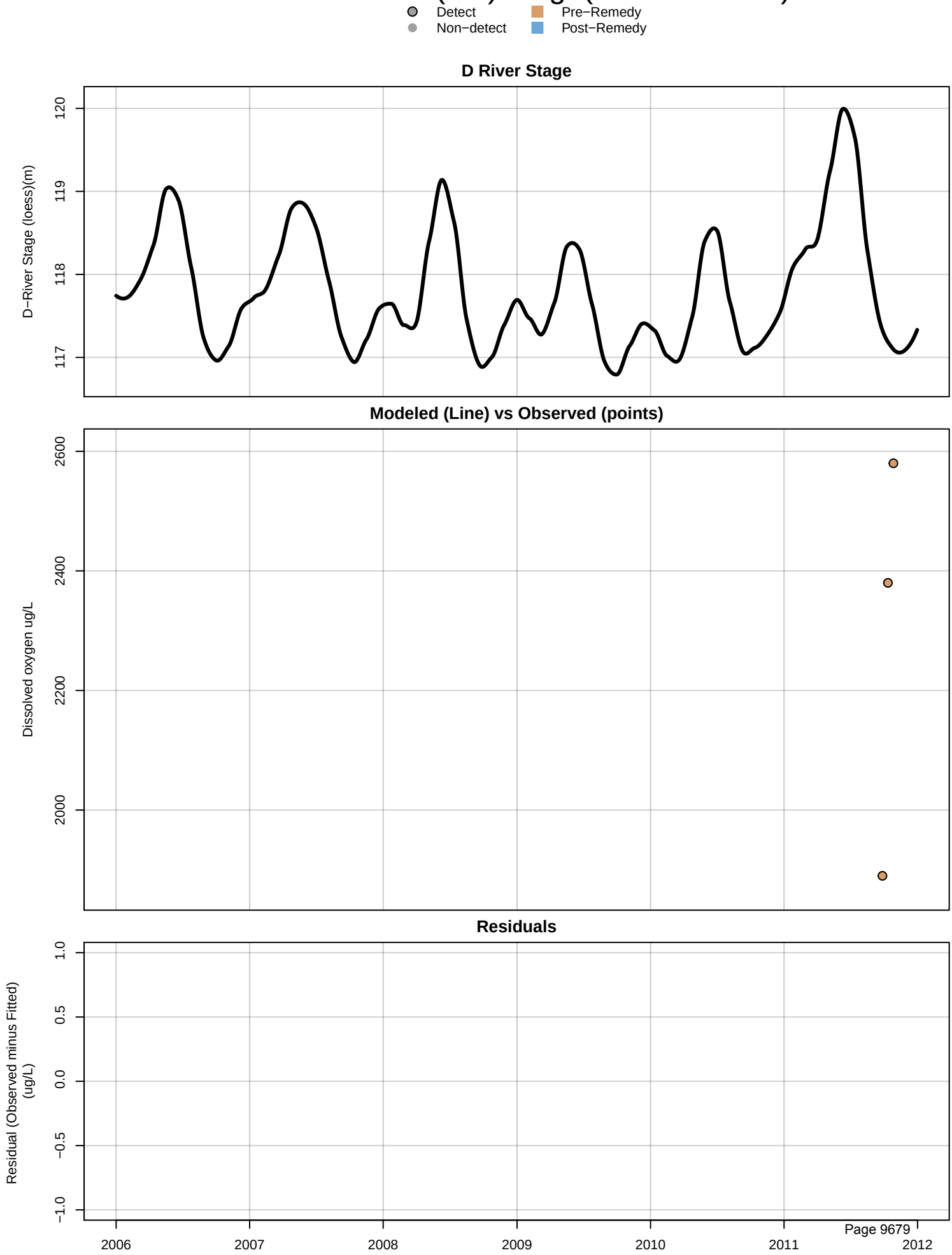
199−N−348 (11m) Lag (Indeterminate)



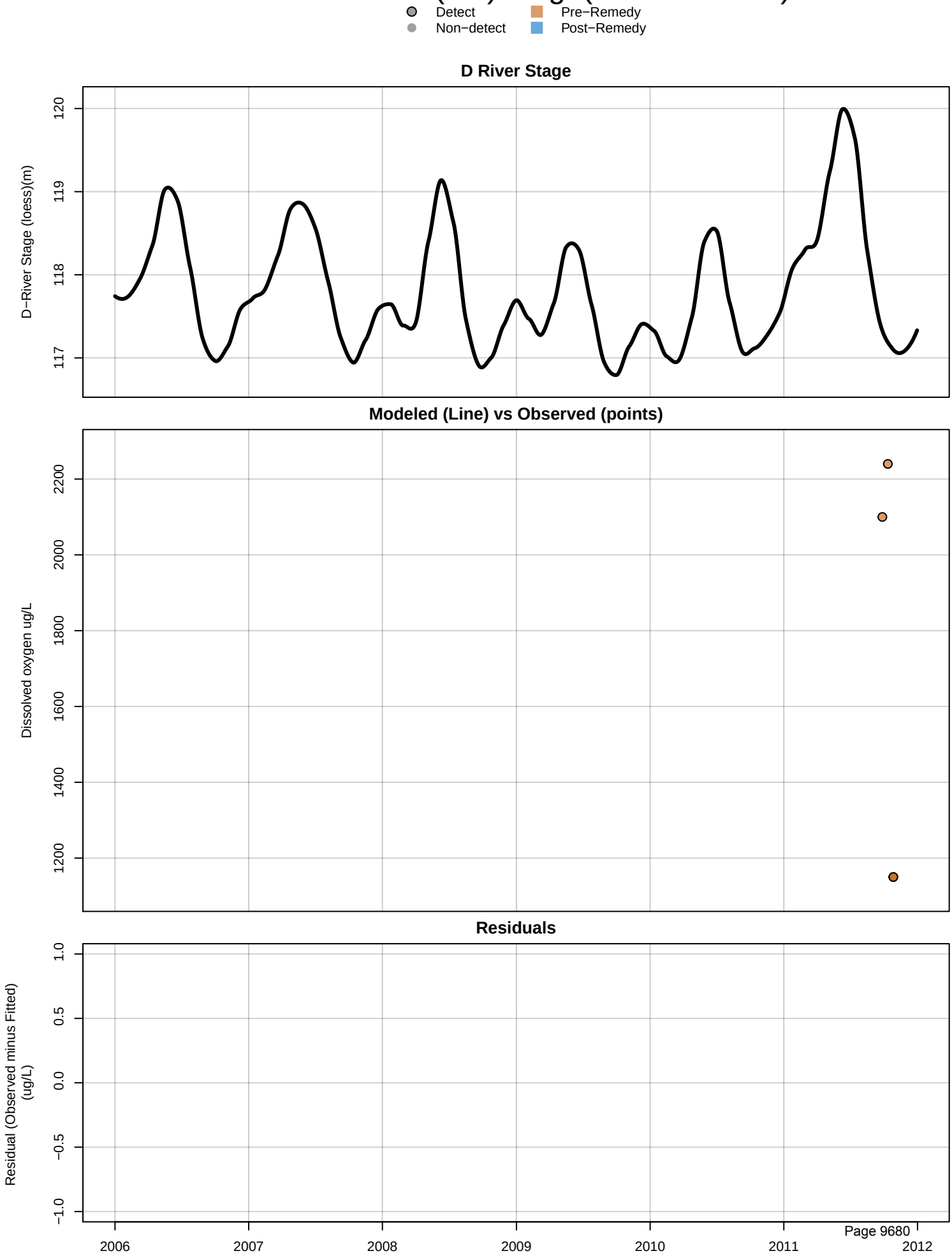
199−N−349 (13m) Lag (Indeterminate)



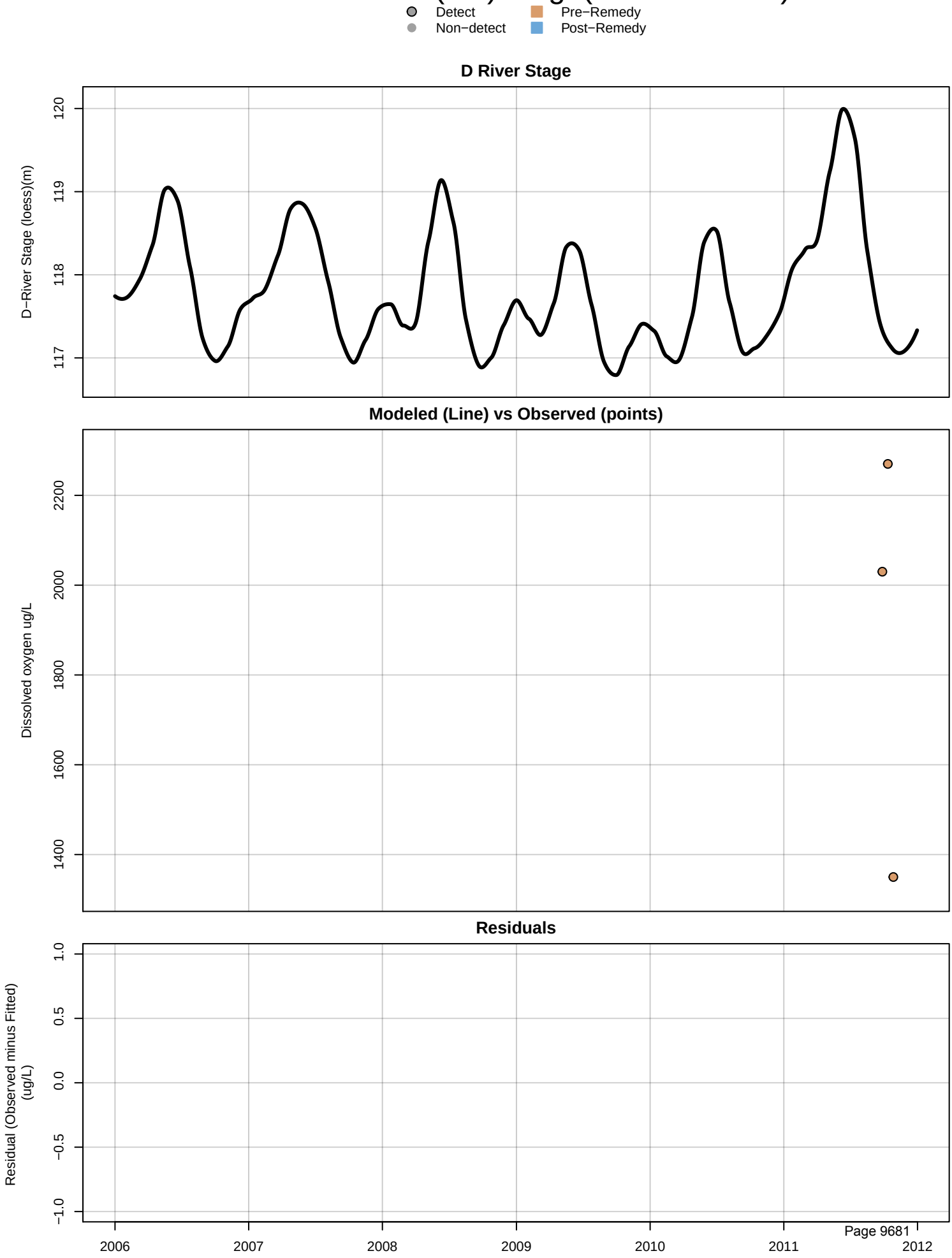
199−N−350 (3m) Lag (Indeterminate)



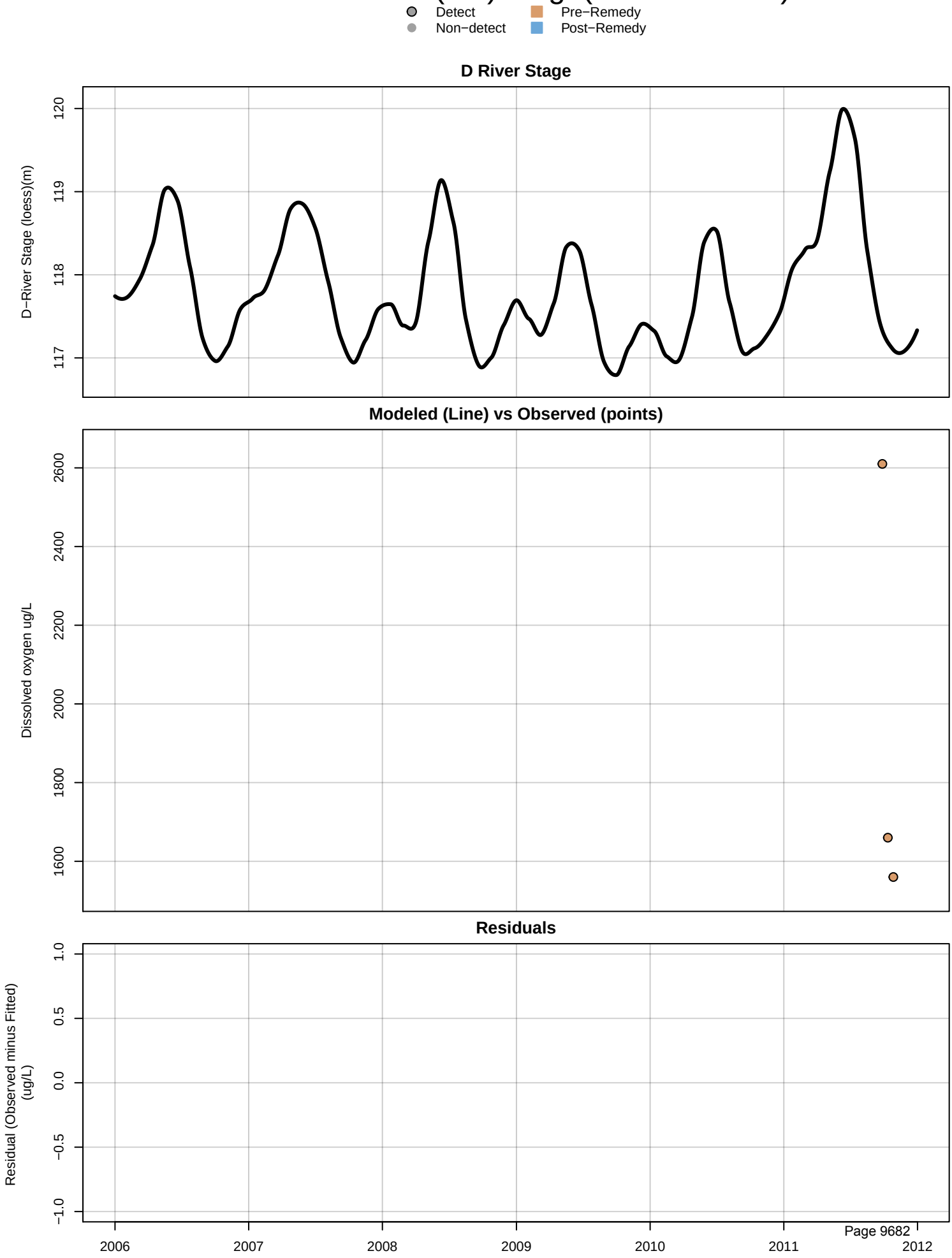
199−N−351 (0m) Lag (Indeterminate)



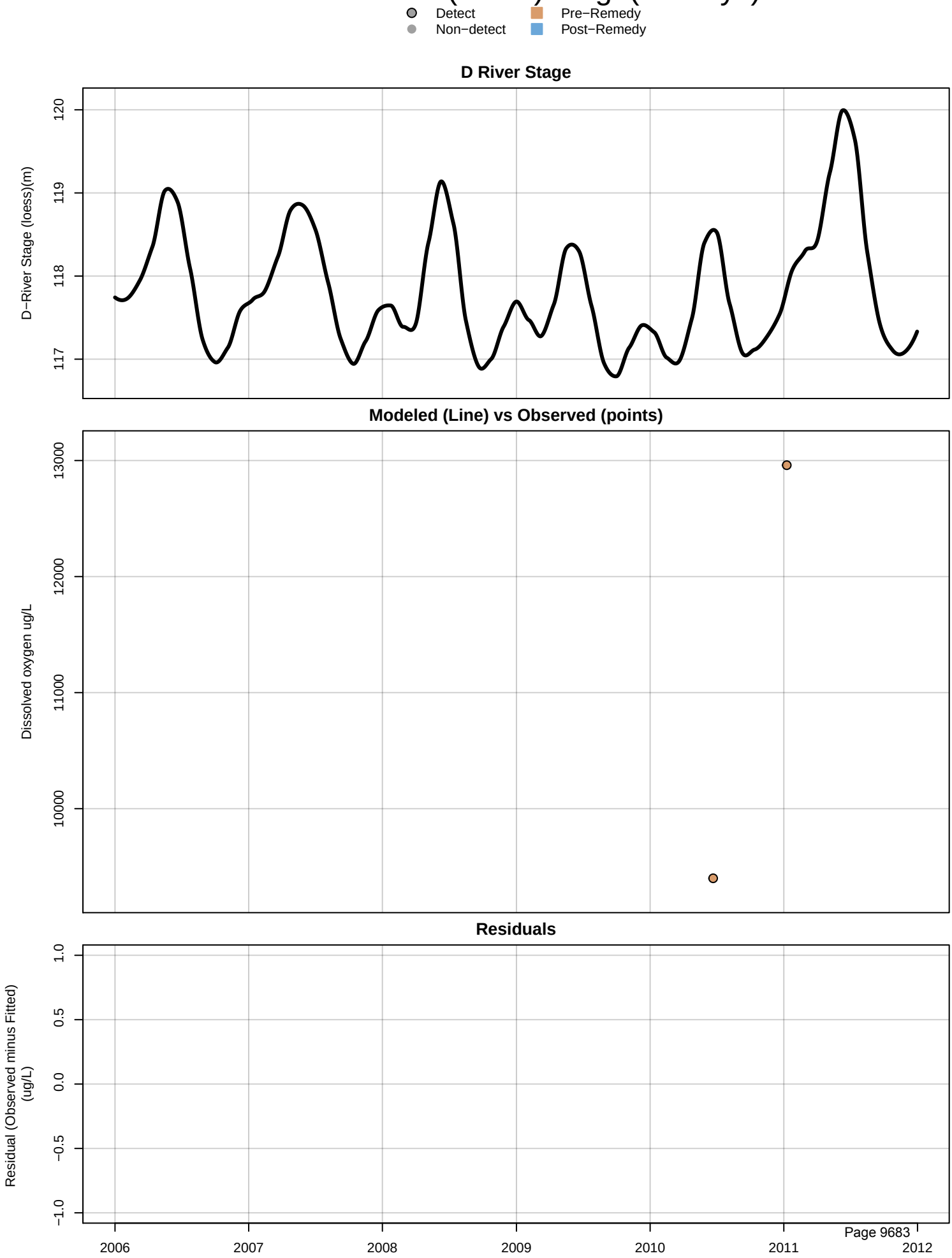
199−N−352 (1m) Lag (Indeterminate)



199−N−353 (0m) Lag (Indeterminate)

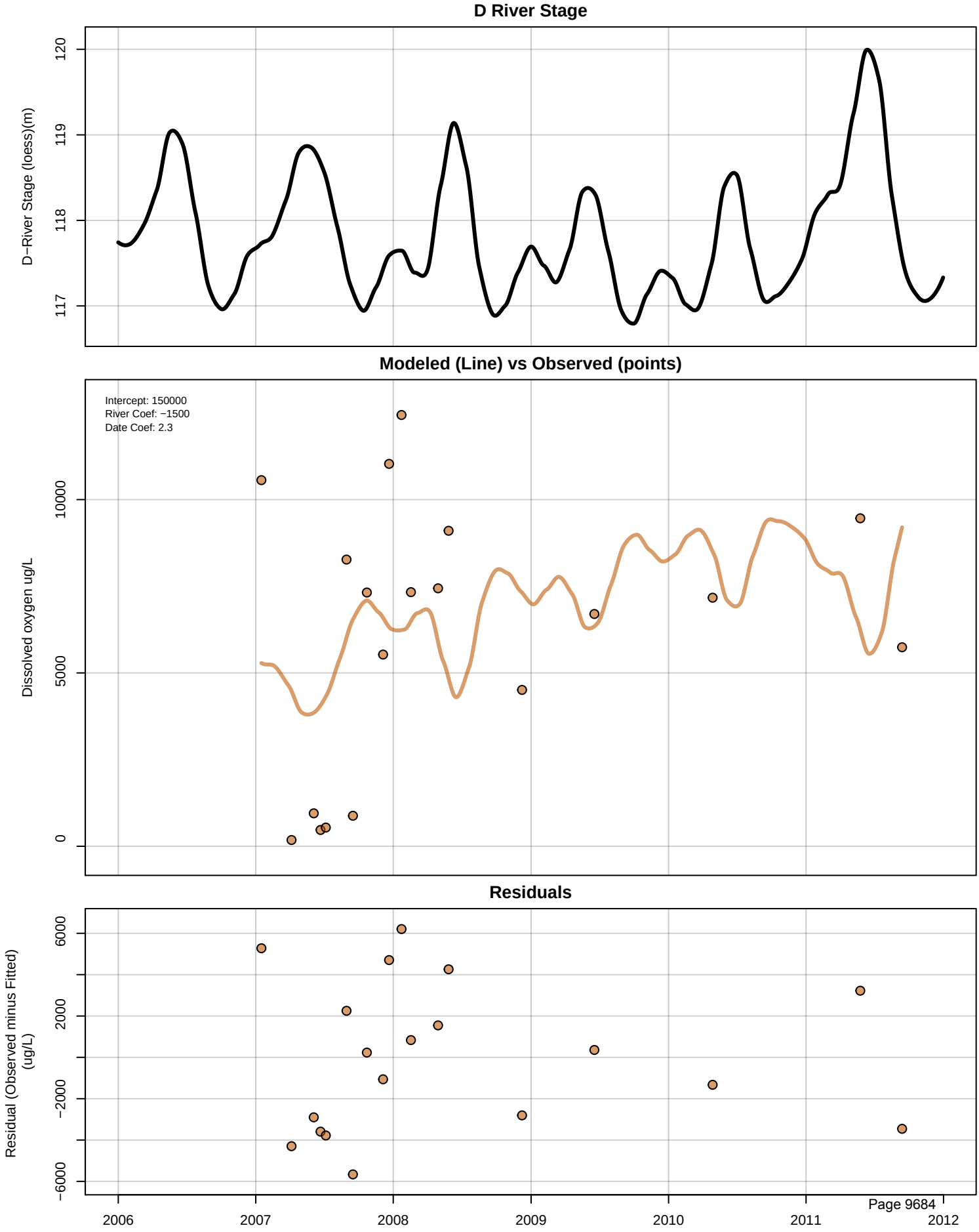


199−N−41 (679m) Lag (35 Days)

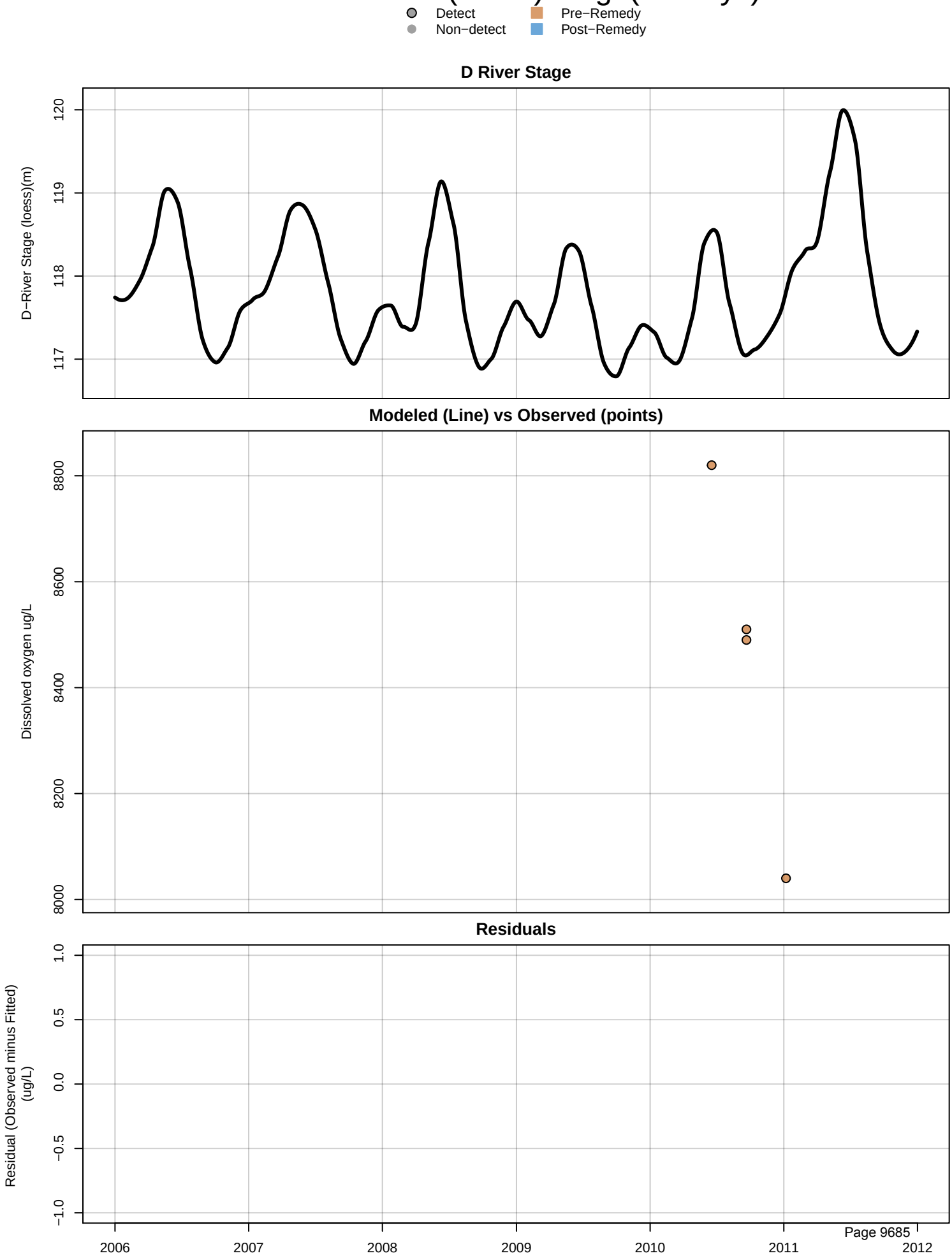


199−N−46 (14m) Lag (7 Days)

Detect
Non−detect
Pre−Remedy
Post−Remedy

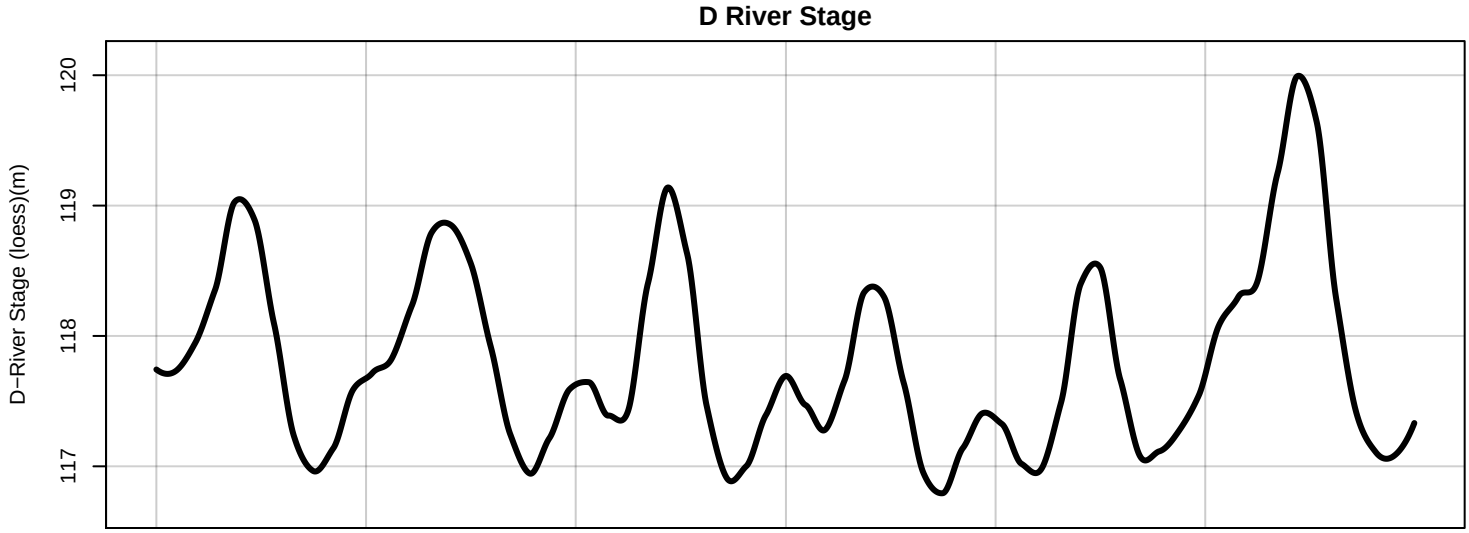


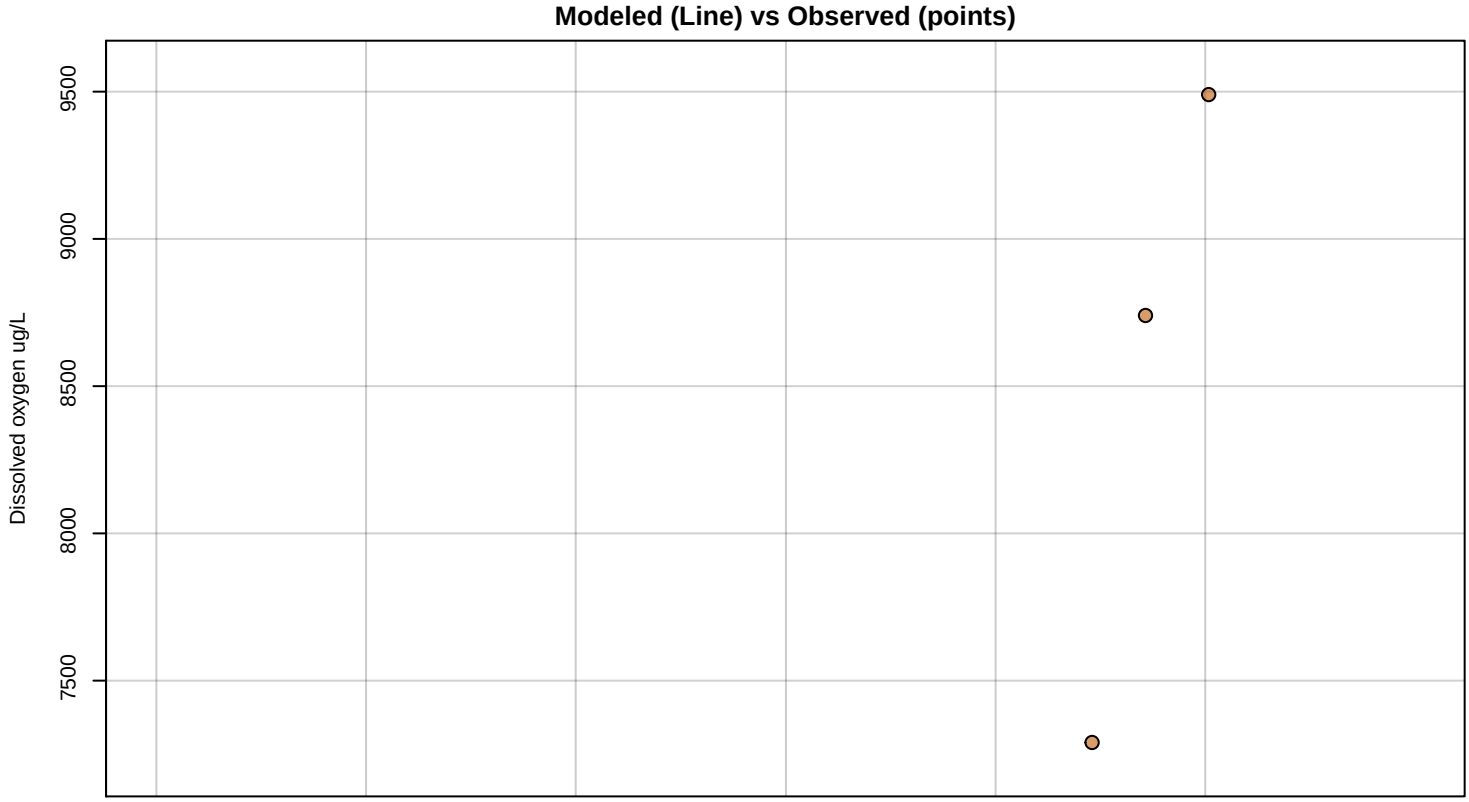
199−N−50 (414m) Lag (16 Days)

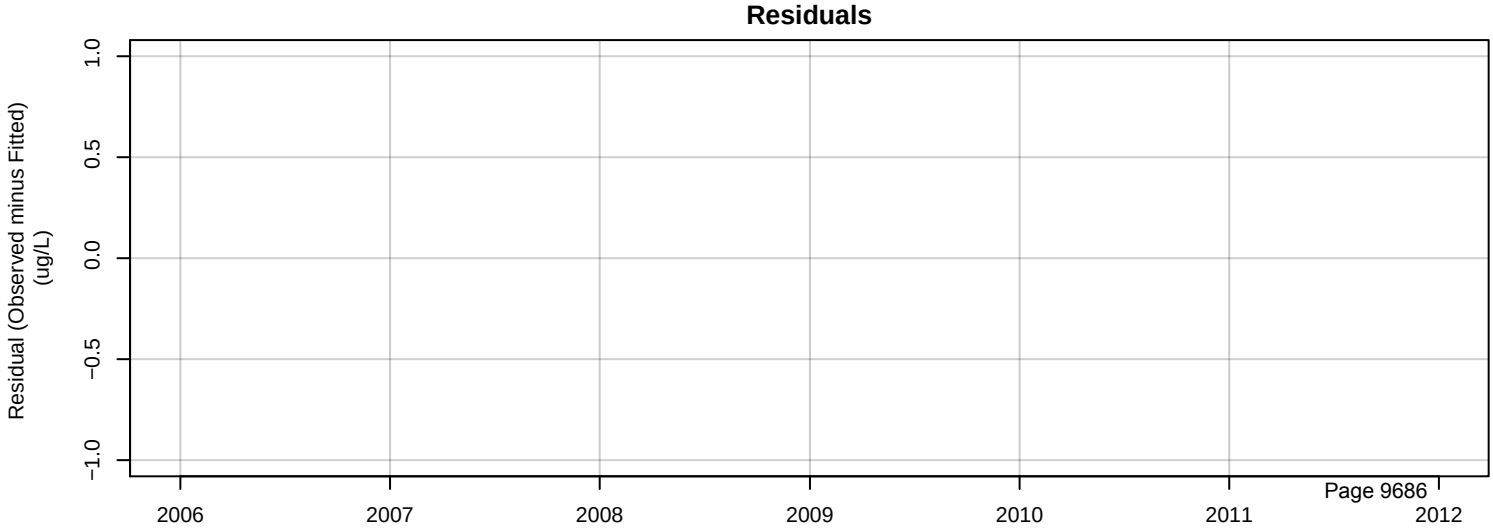


199−N−51 (65m) Lag (18 Days)

Detect
Non−detect
Pre−Remedy
Post−Remedy

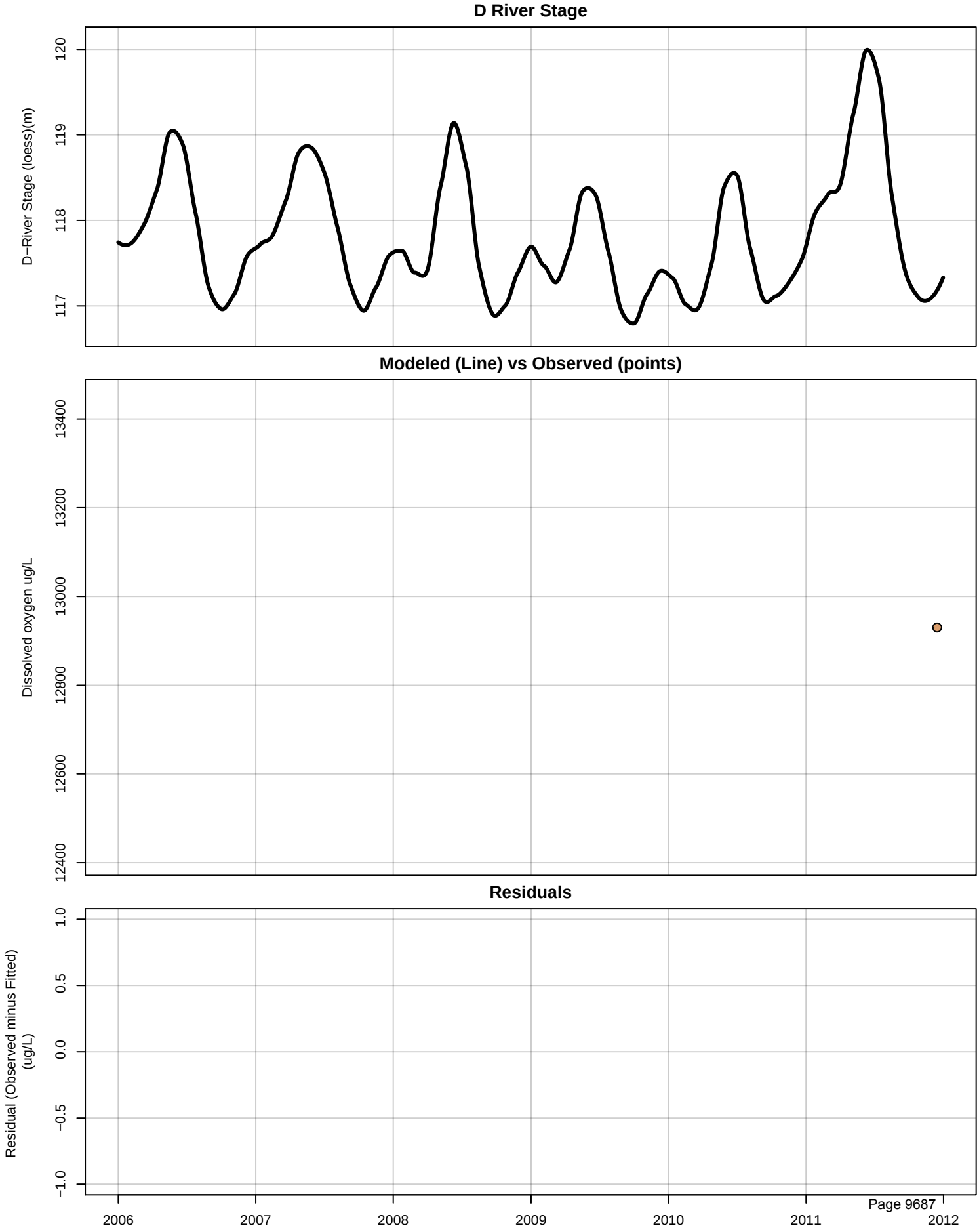




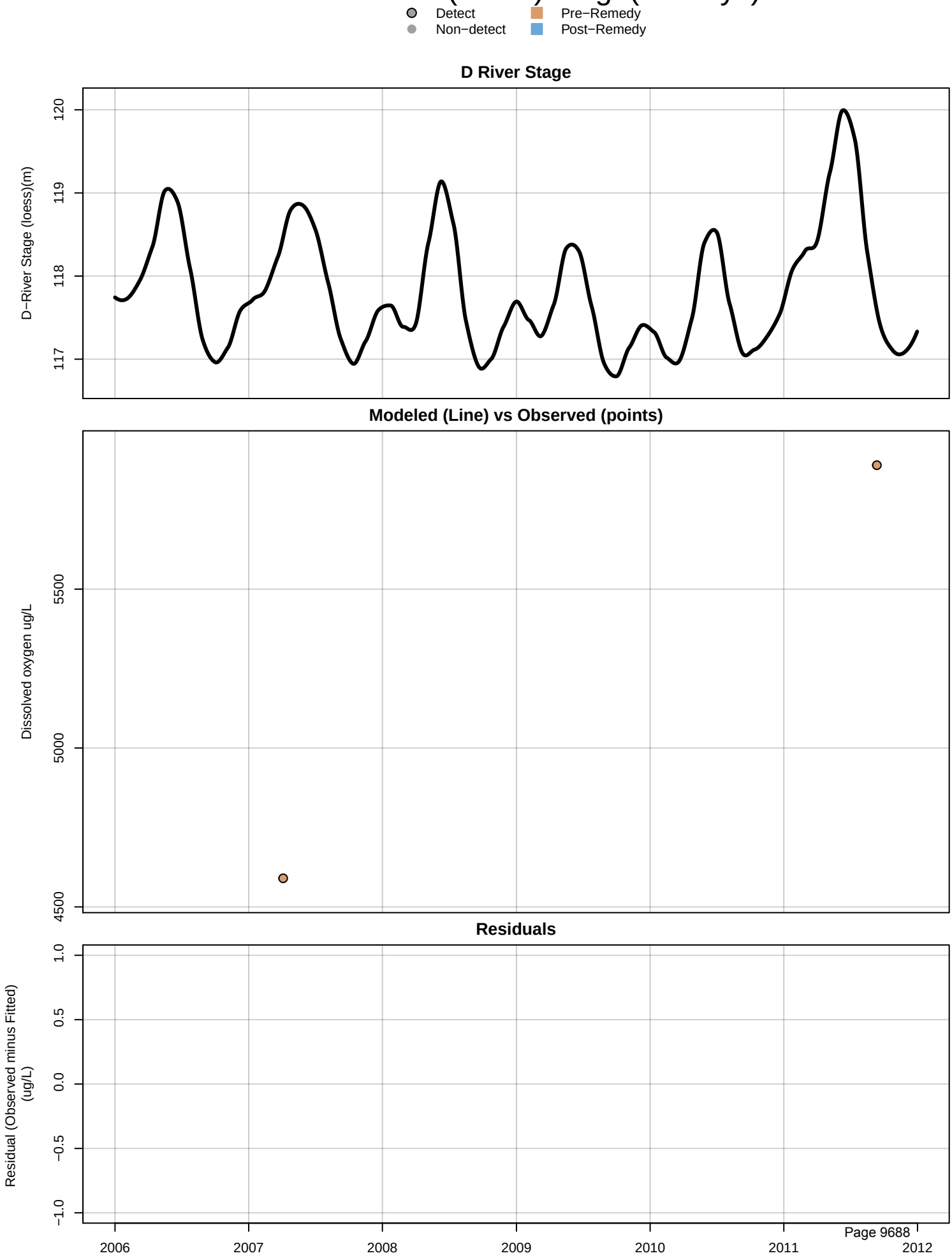


199−N−52 (1060m) Lag (89 Days)

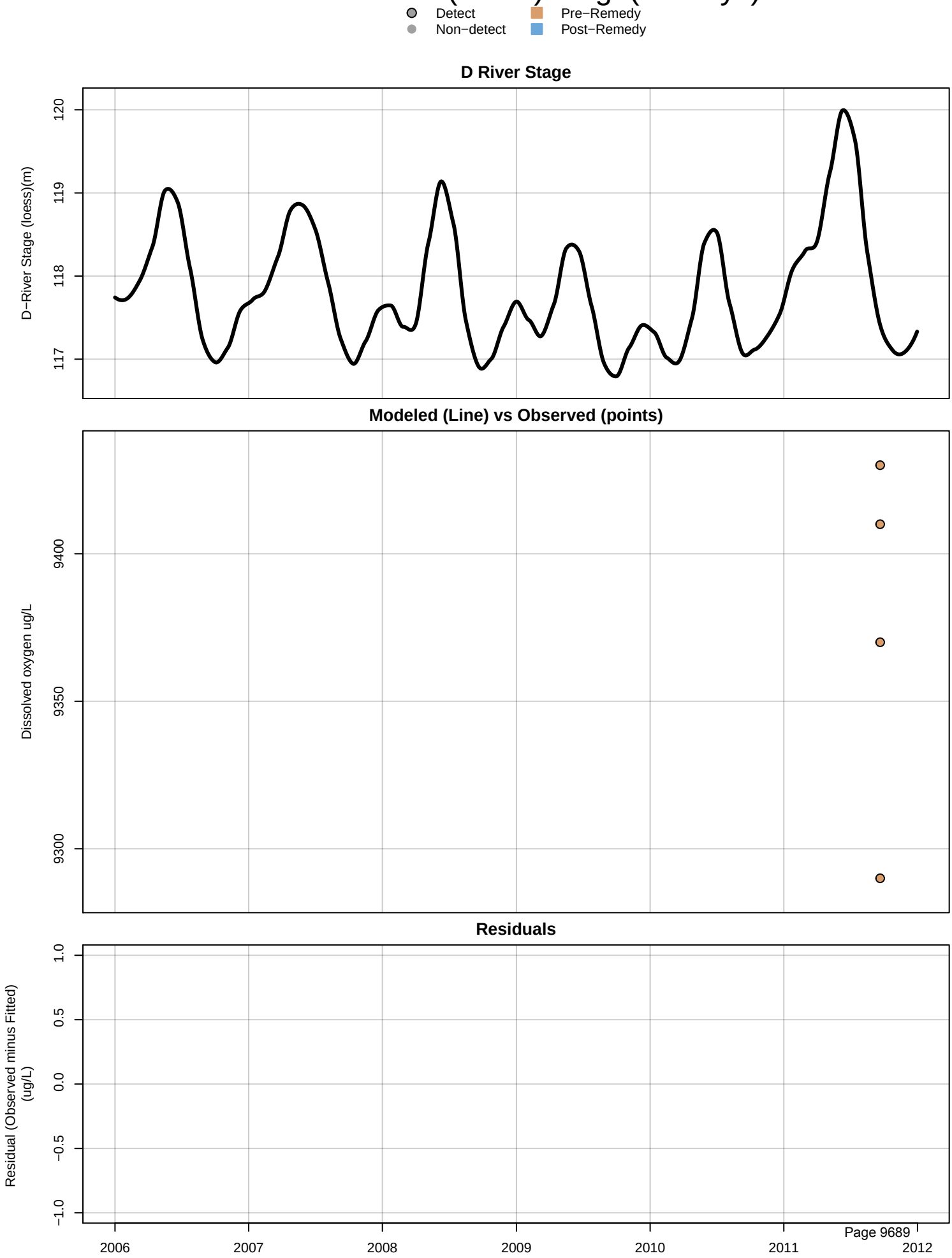
Detect
Non−detect
Pre−Remedy
Post−Remedy



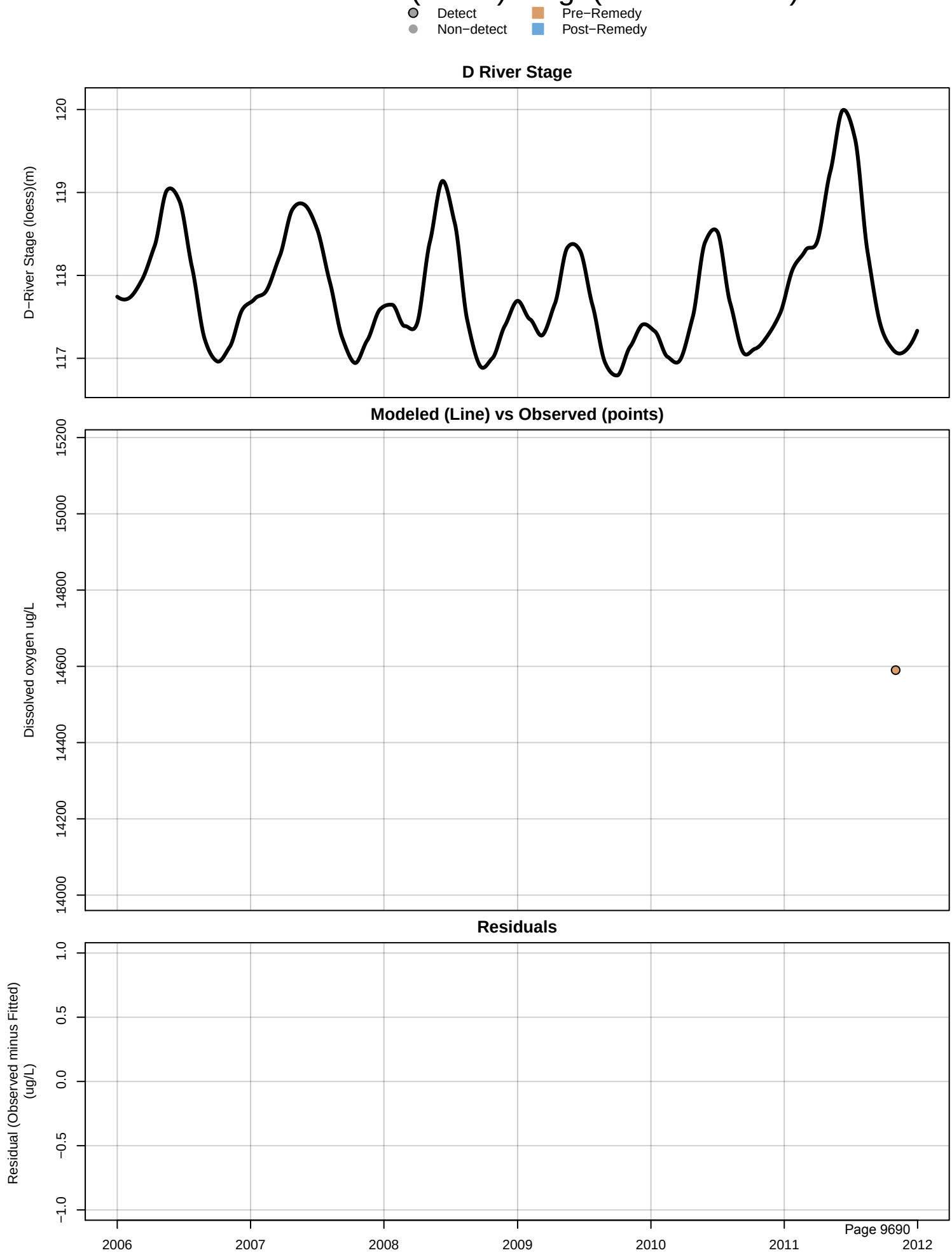
199−N−56 (193m) Lag (32 Days)



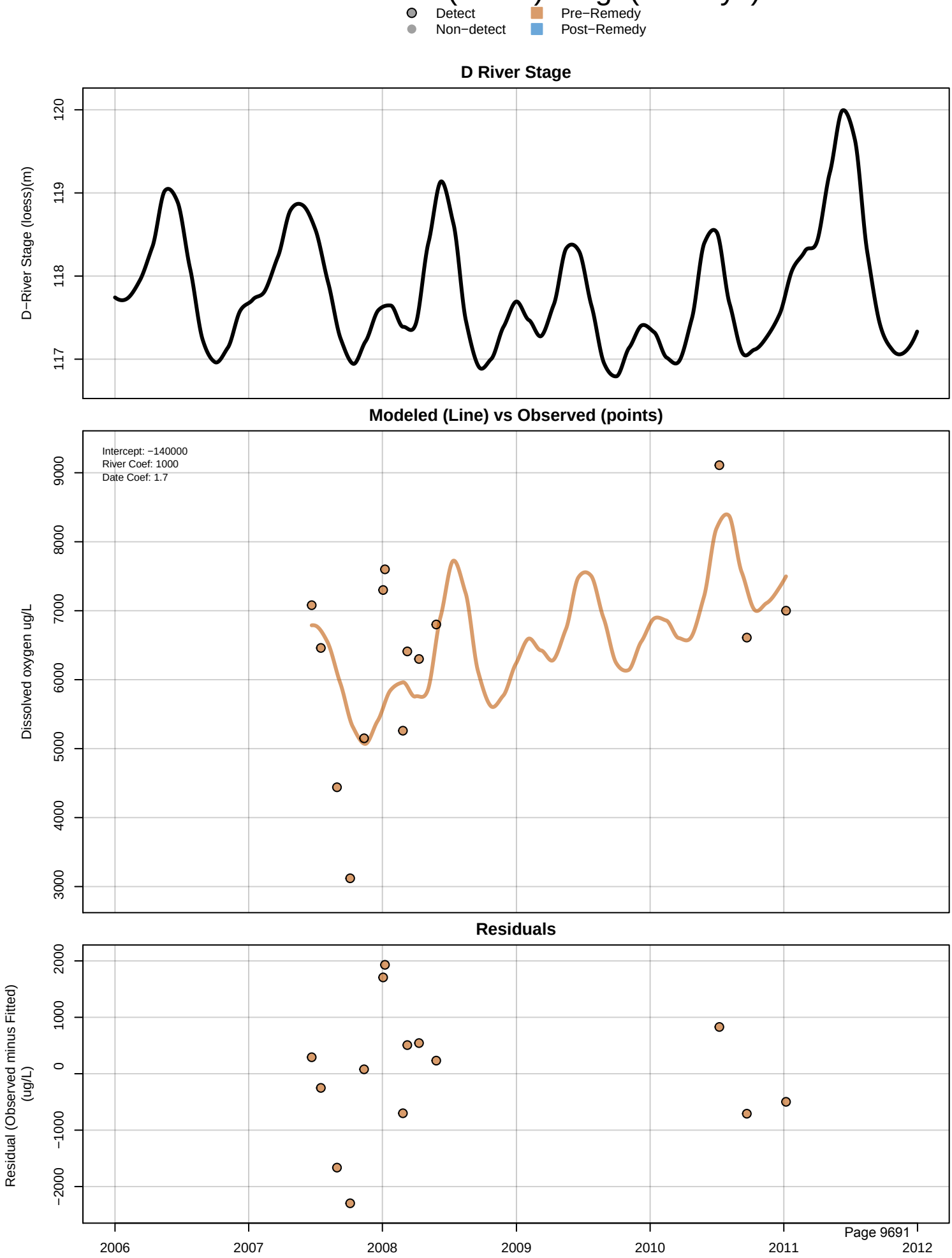
199−N−57 (301m) Lag (49 Days)



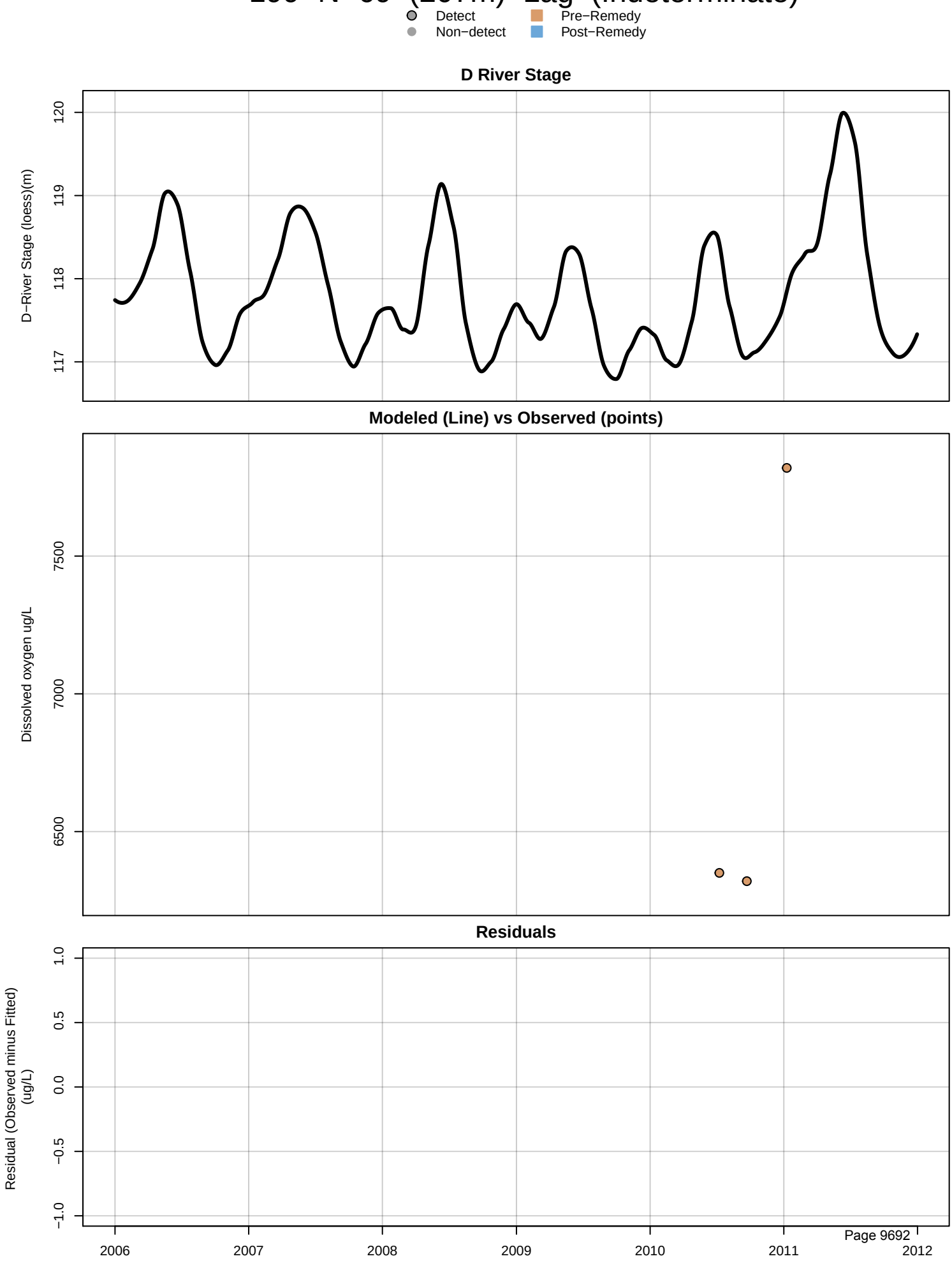
199−N−64 (430m) Lag (Indeterminate)



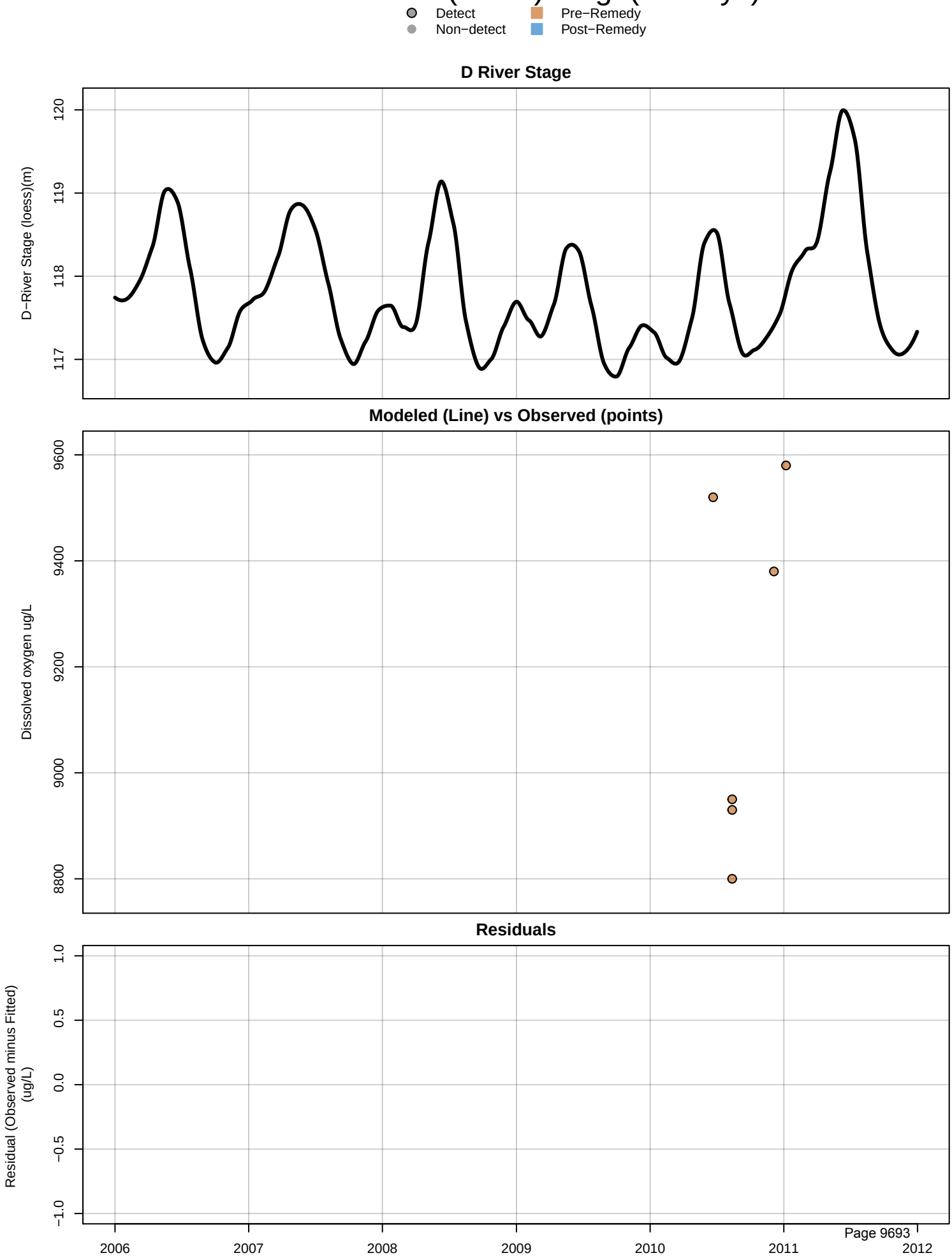
199−N−67 (219m) Lag (33 Days)



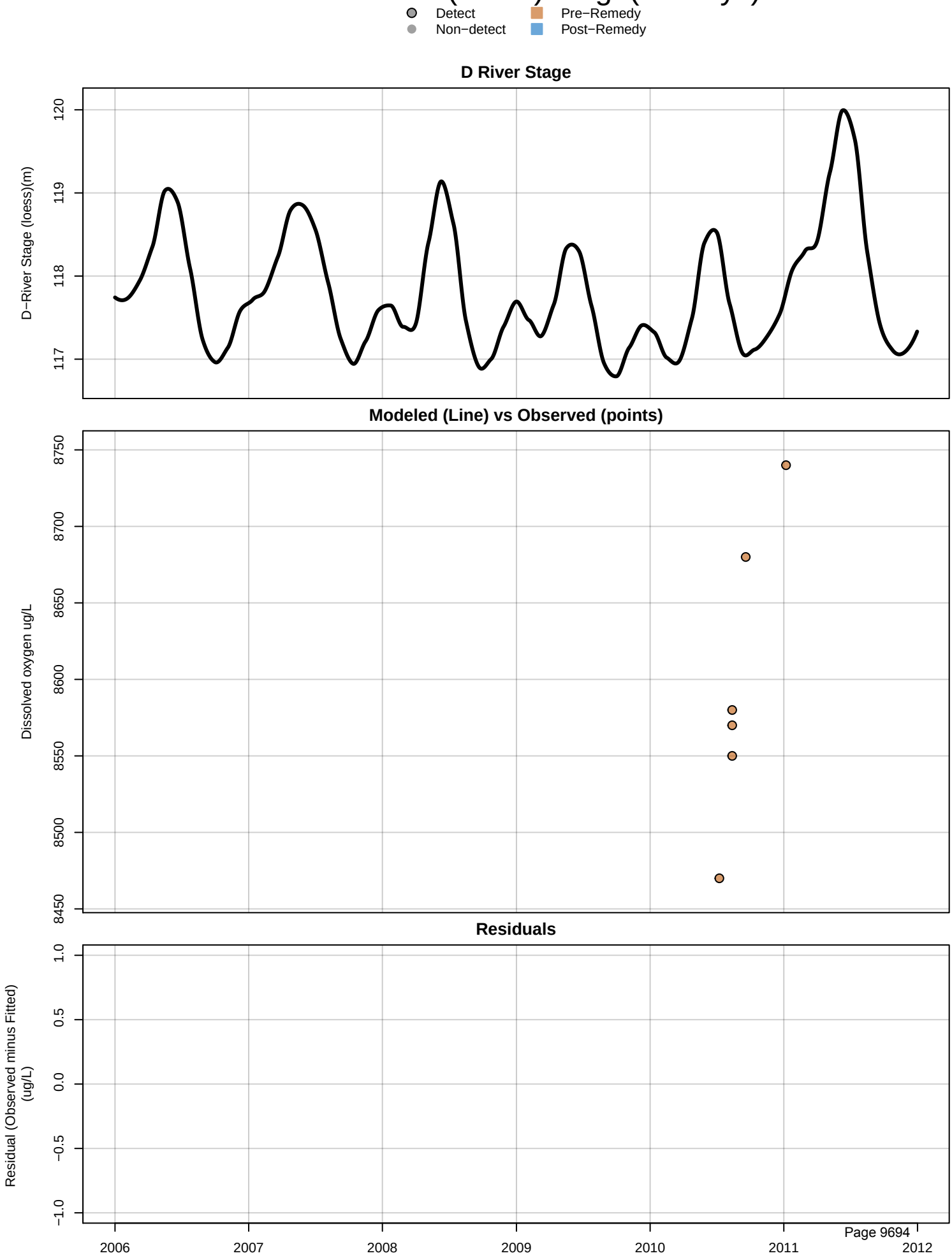
199−N−69 (207m) Lag (Indeterminate)



199−N−71 (751m) Lag (81 Days)

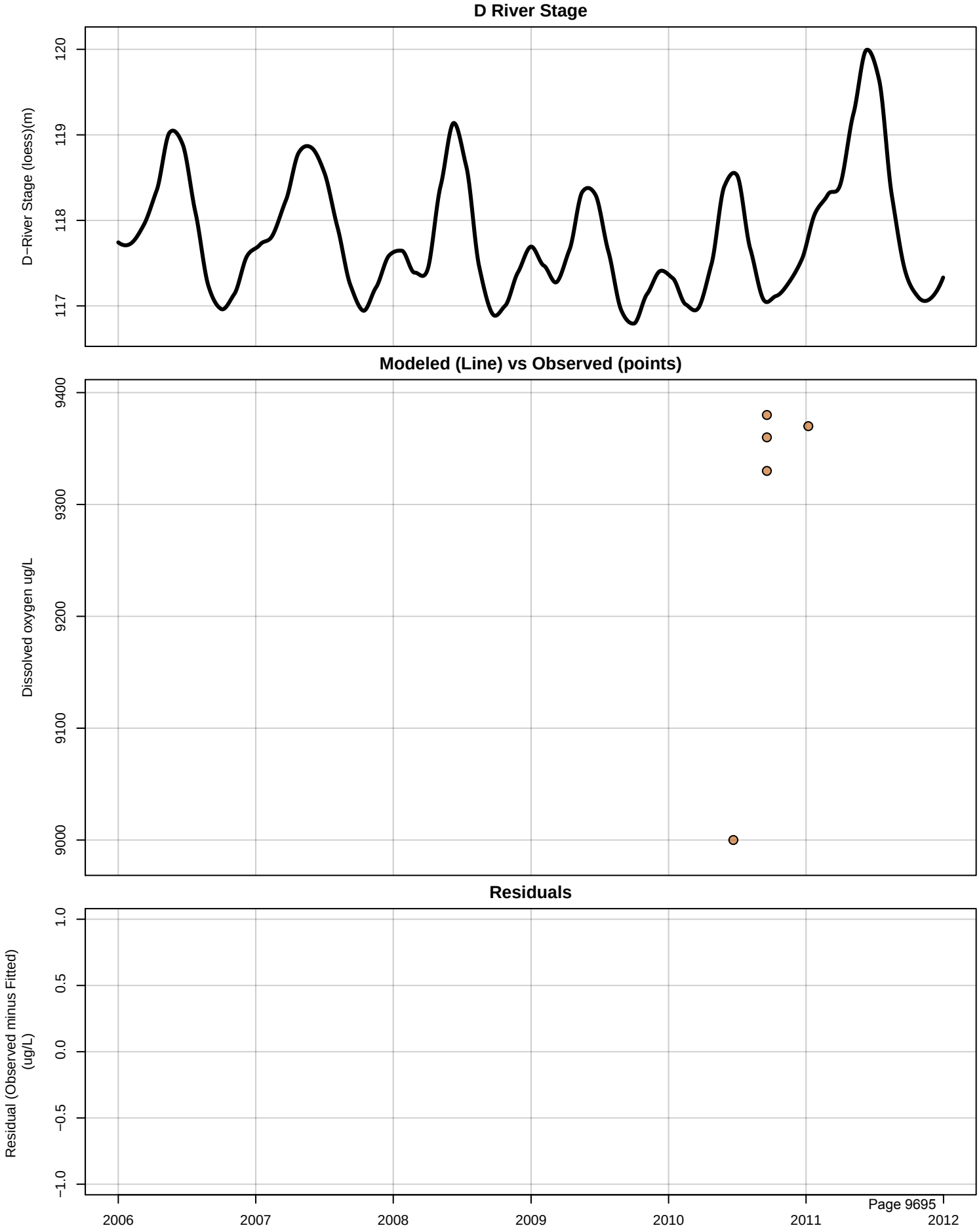


199−N−72 (362m) Lag (45 Days)

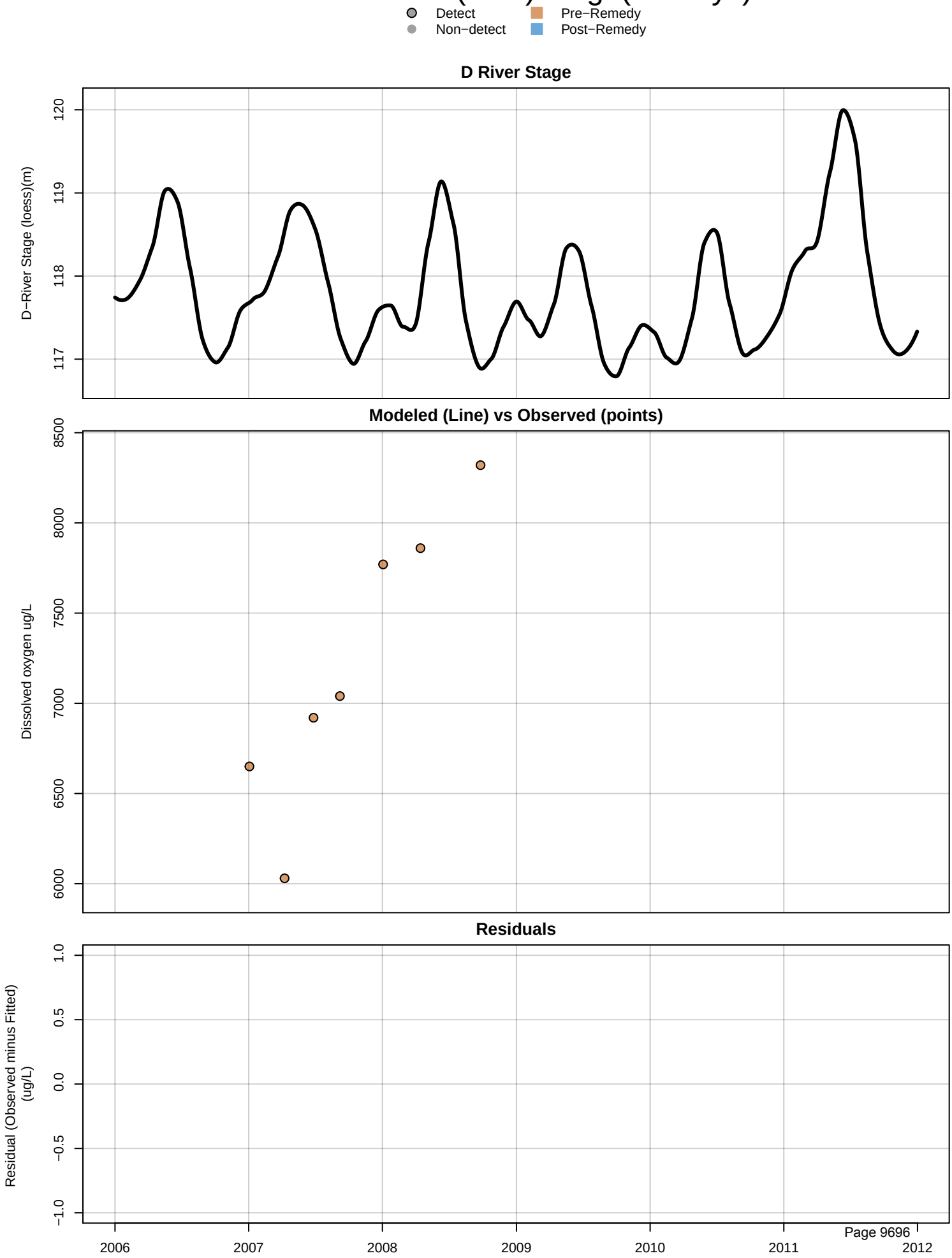


199−N−74 (953m) Lag (97 Days)

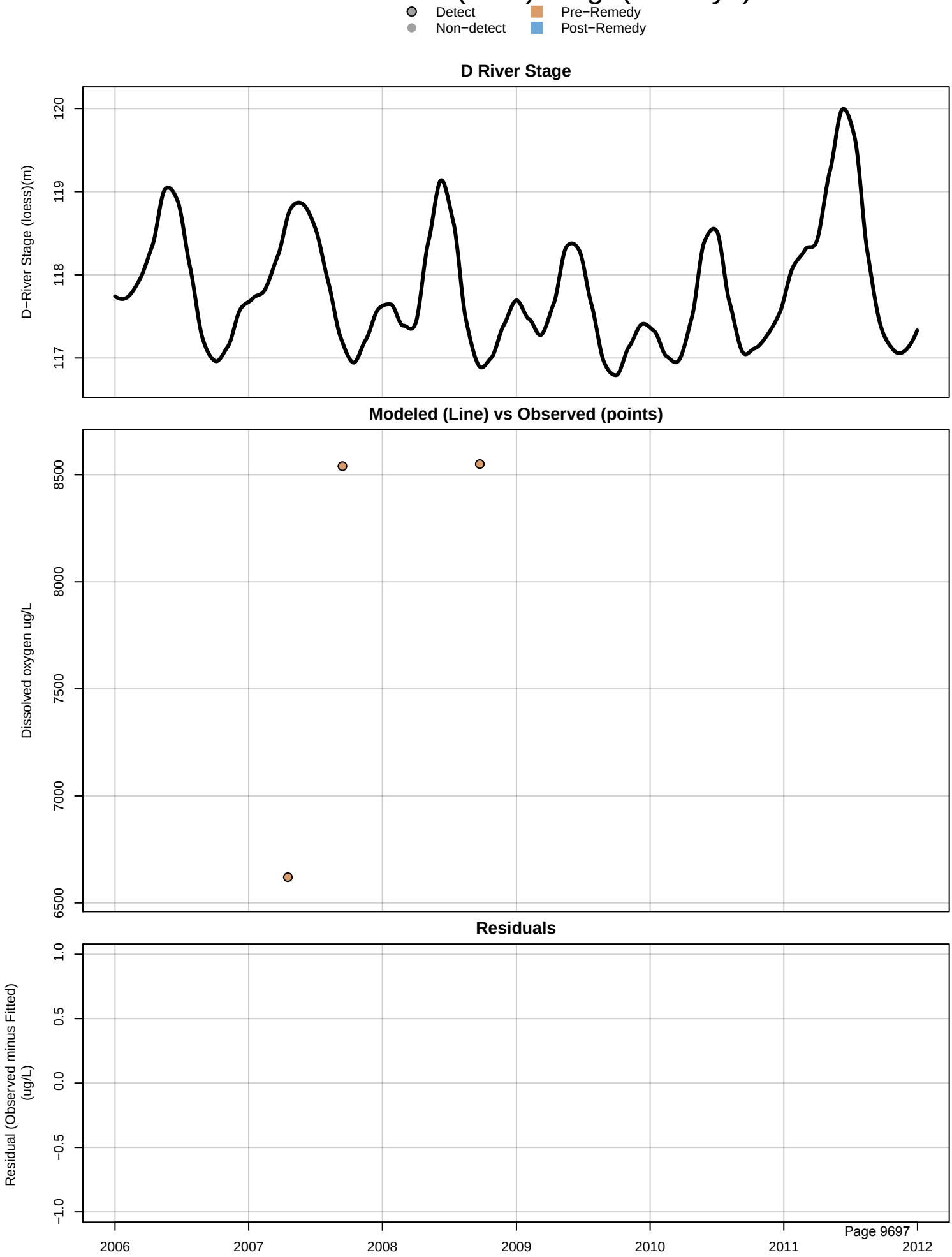
Detect
Non−detect
Pre−Remedy
Post−Remedy



199−N−75 (87m) Lag (24 Days)

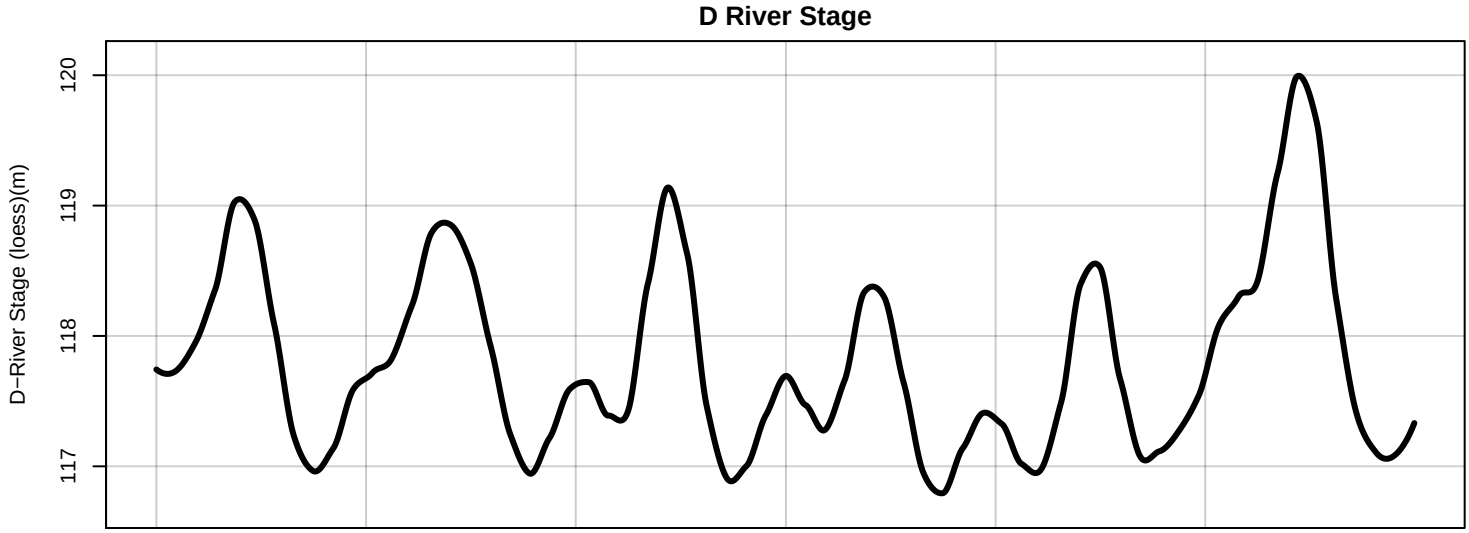


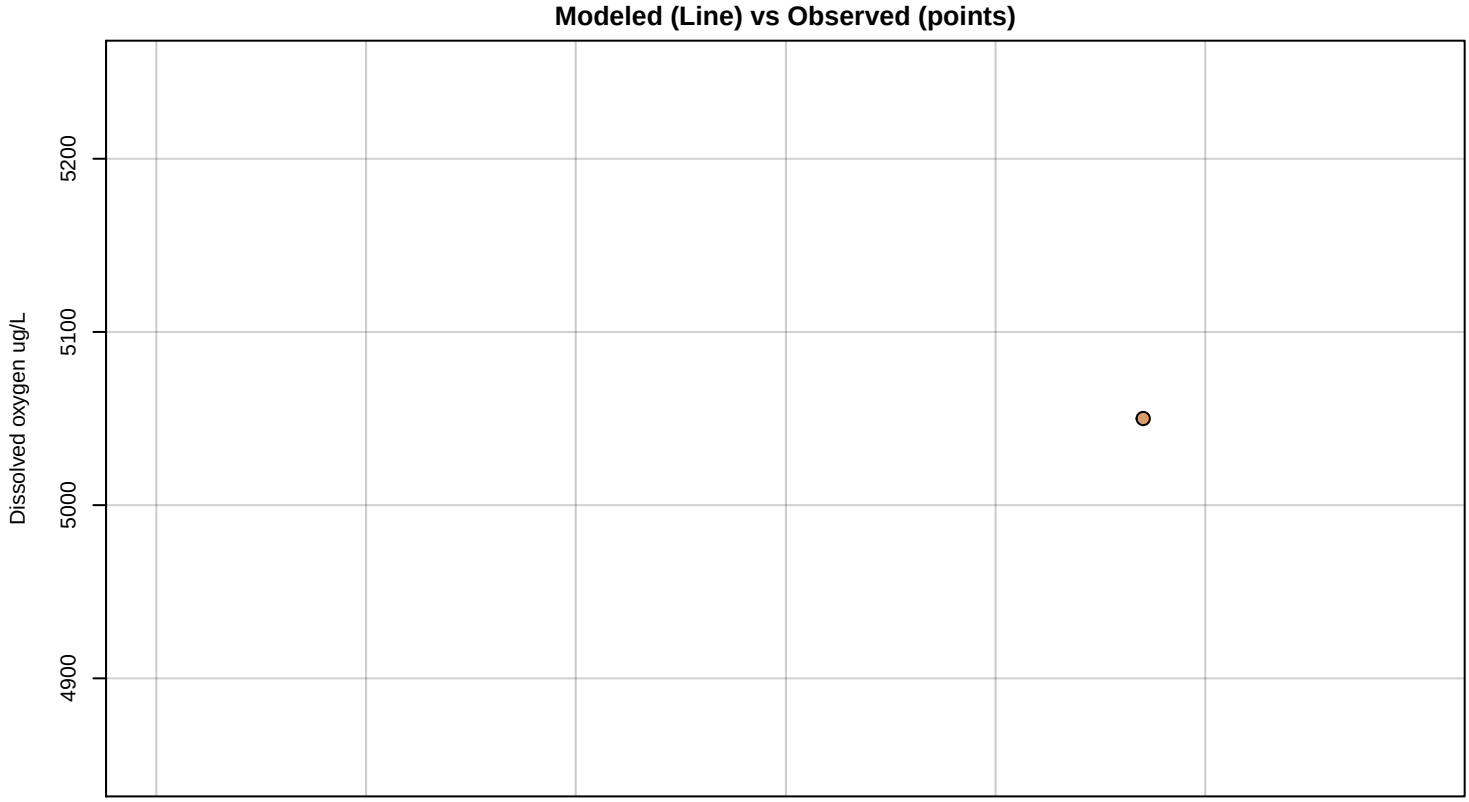
199−N−76 (85m) Lag (15 Days)

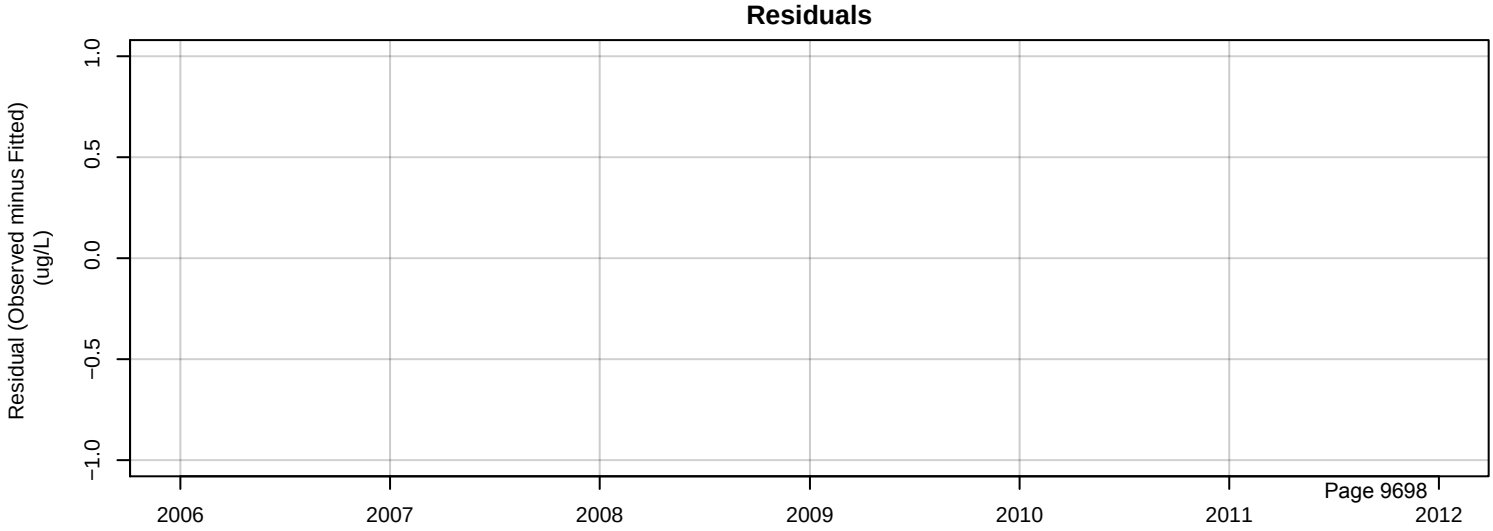


199−N−77 (372m) Lag (49 Days)

Detect
Non−detect
Pre−Remedy
Post−Remedy

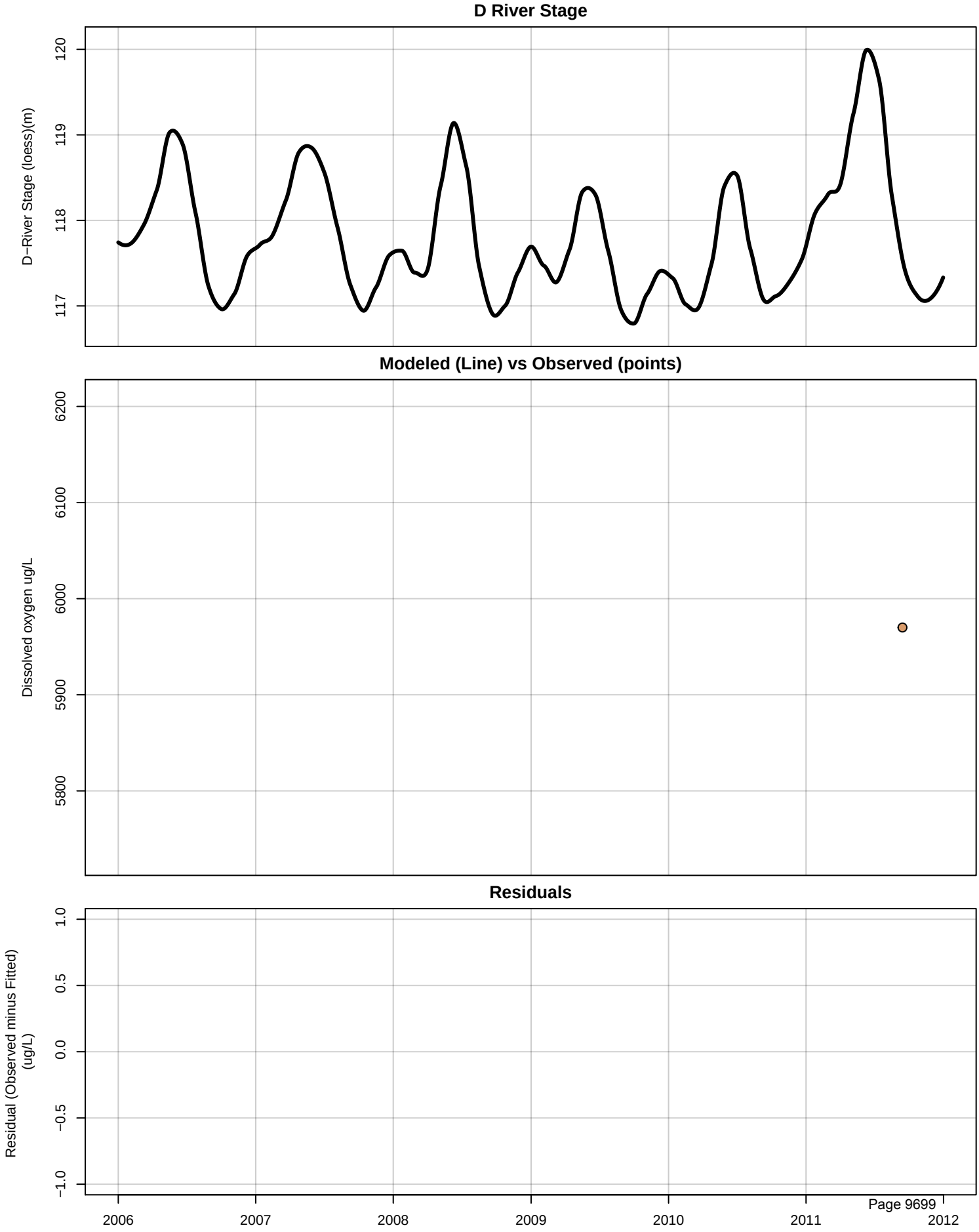




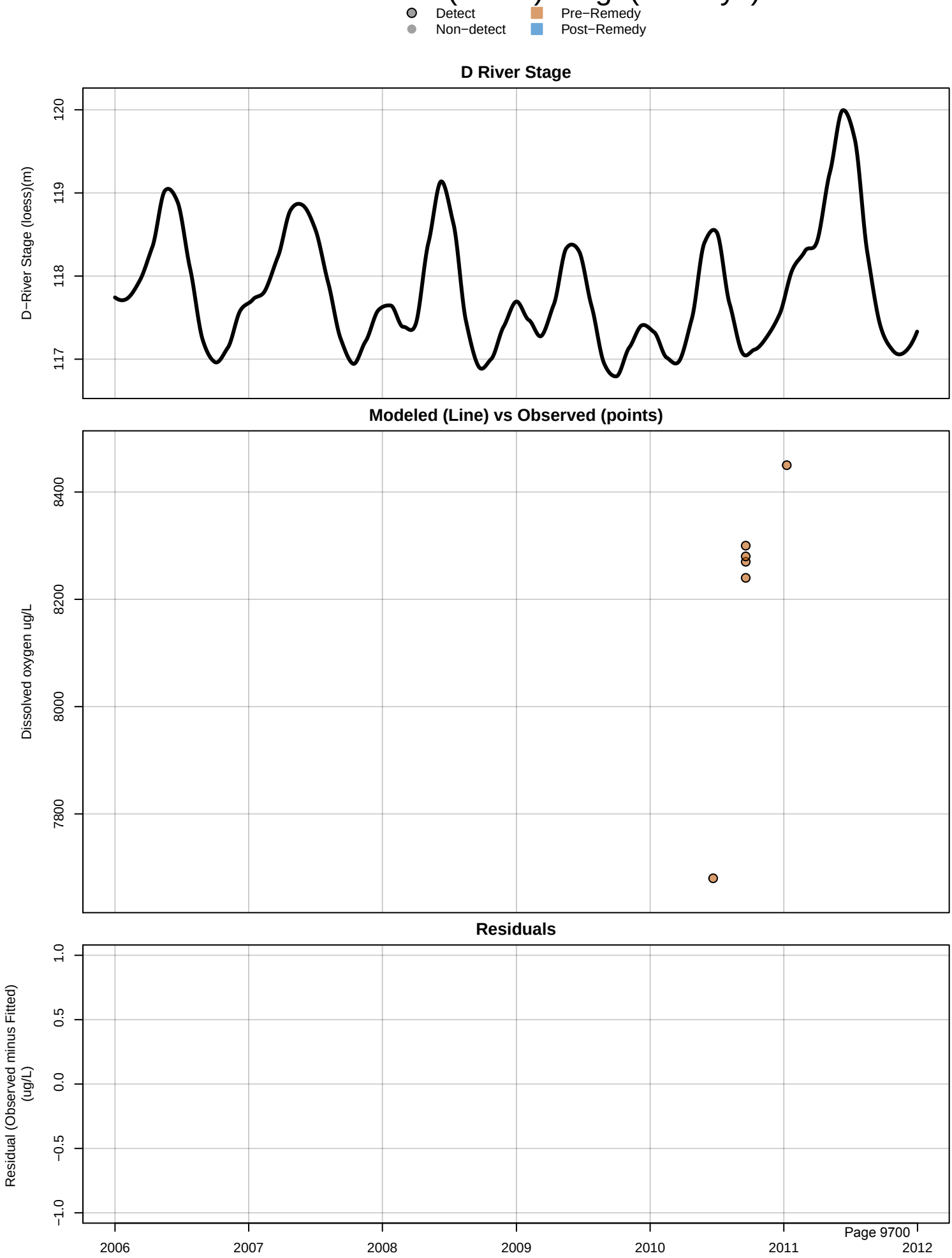


199−N−80 (107m) Lag (0 Days)

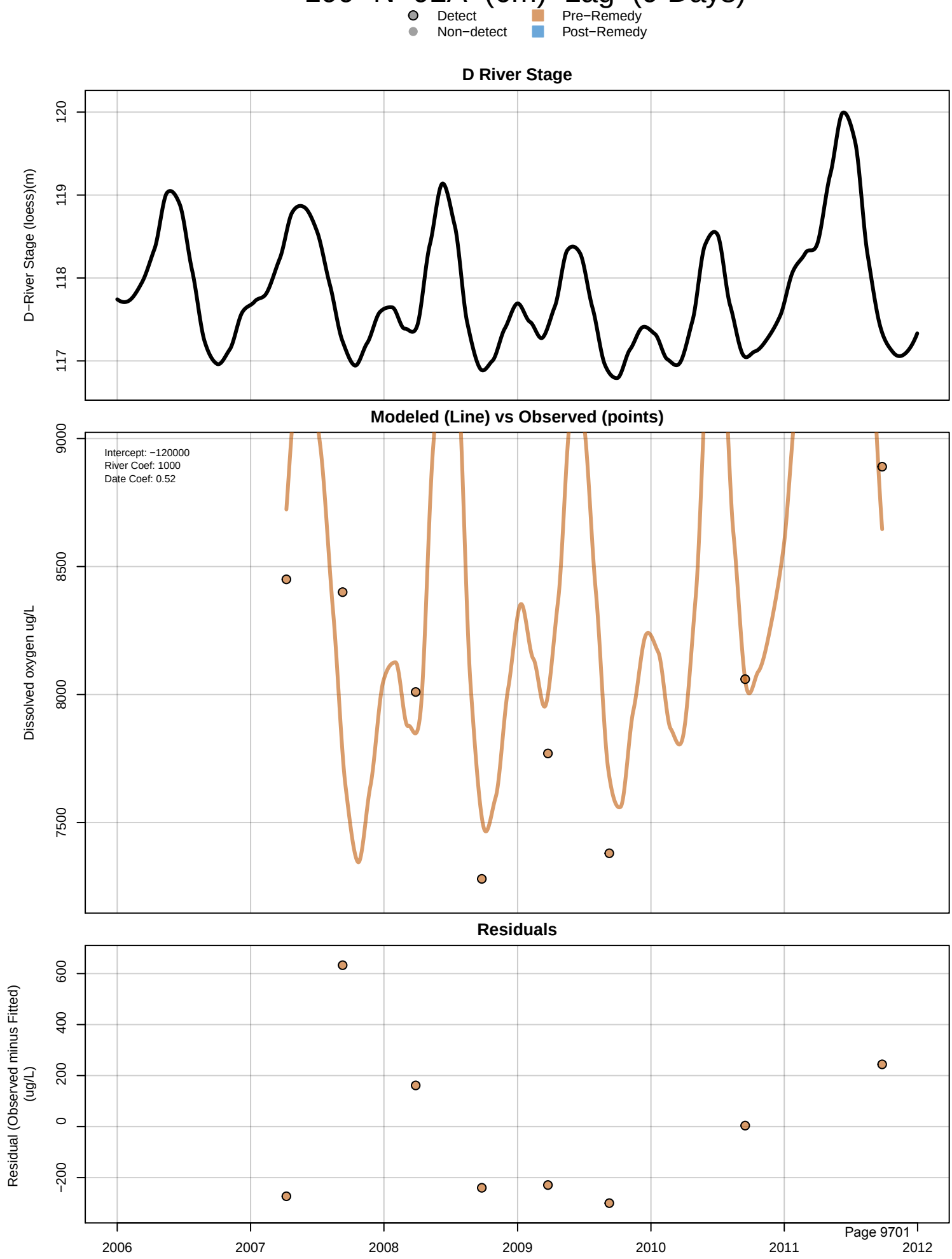
Detect
Non−detect
Pre−Remedy
Post−Remedy



199−N−81 (603m) Lag (53 Days)

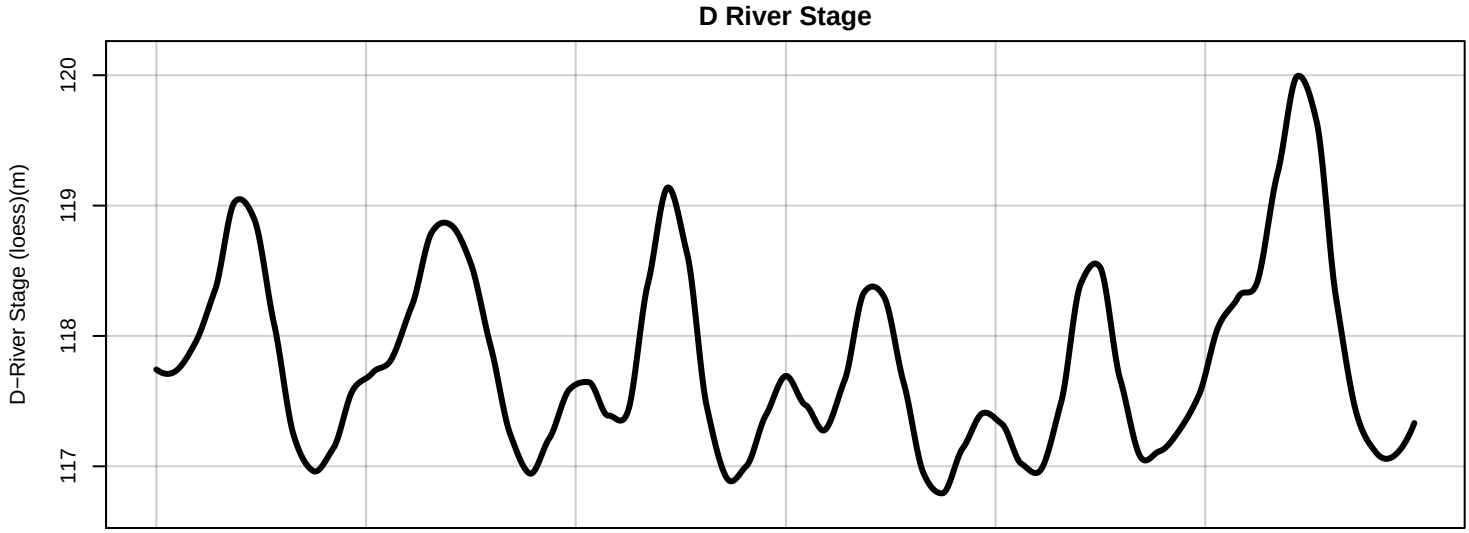


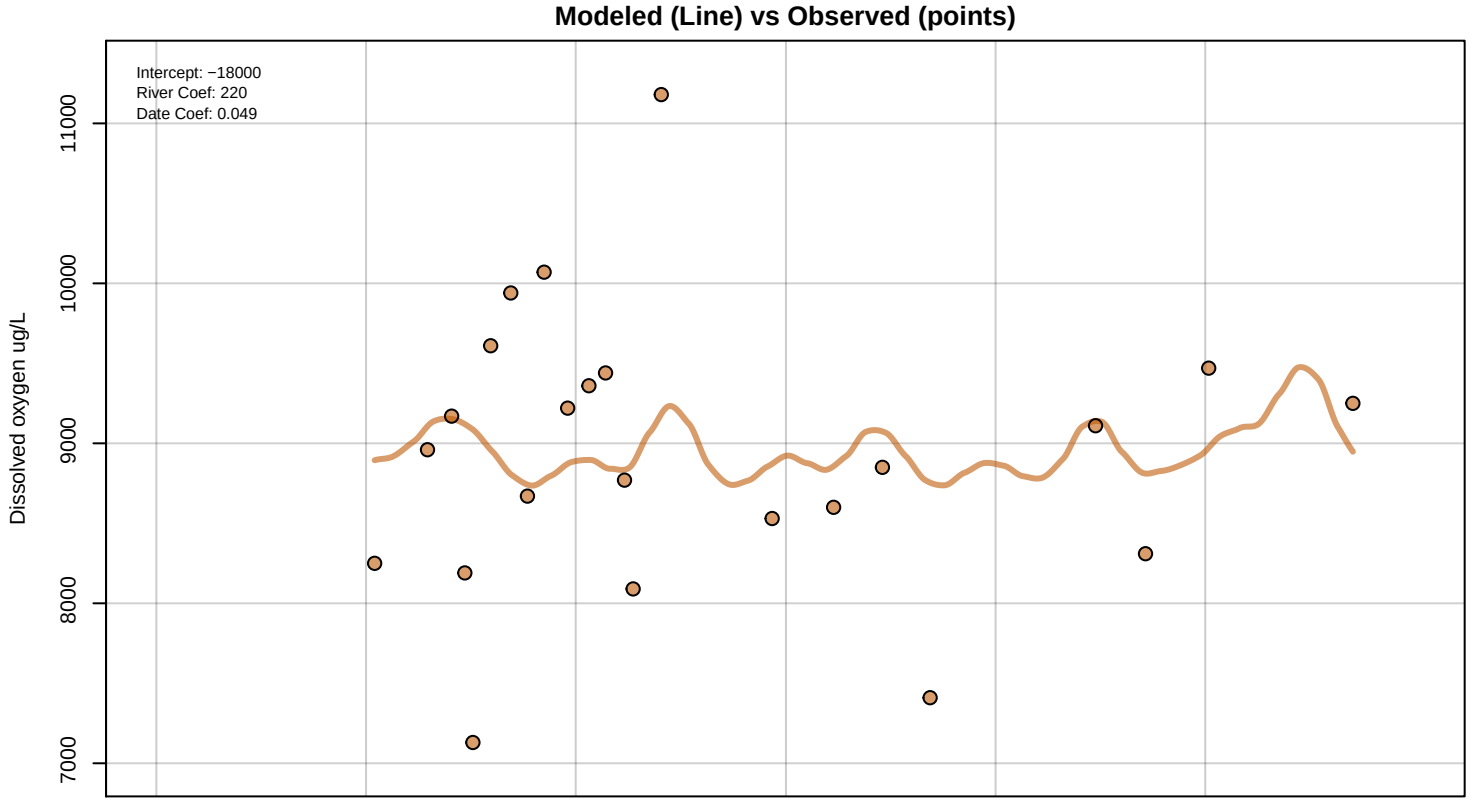
199−N−92A (6m) Lag (9 Days)

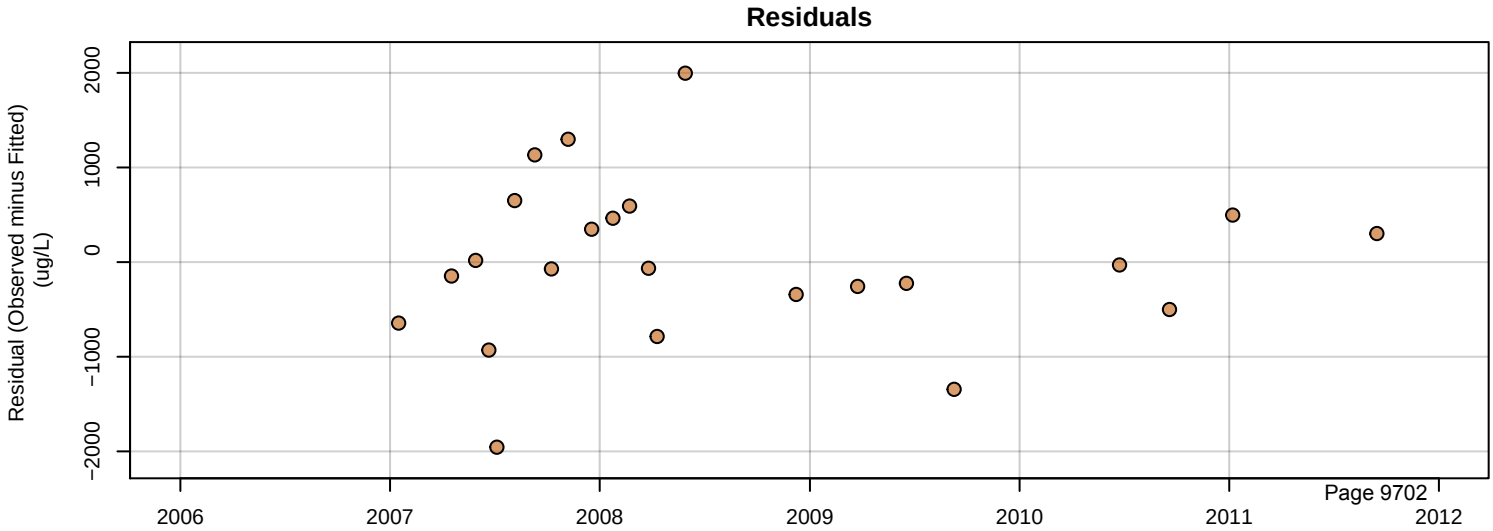


199−N−99A (7m) Lag (3 Days)

Detect
Non−detect
Pre−Remedy
Post−Remedy

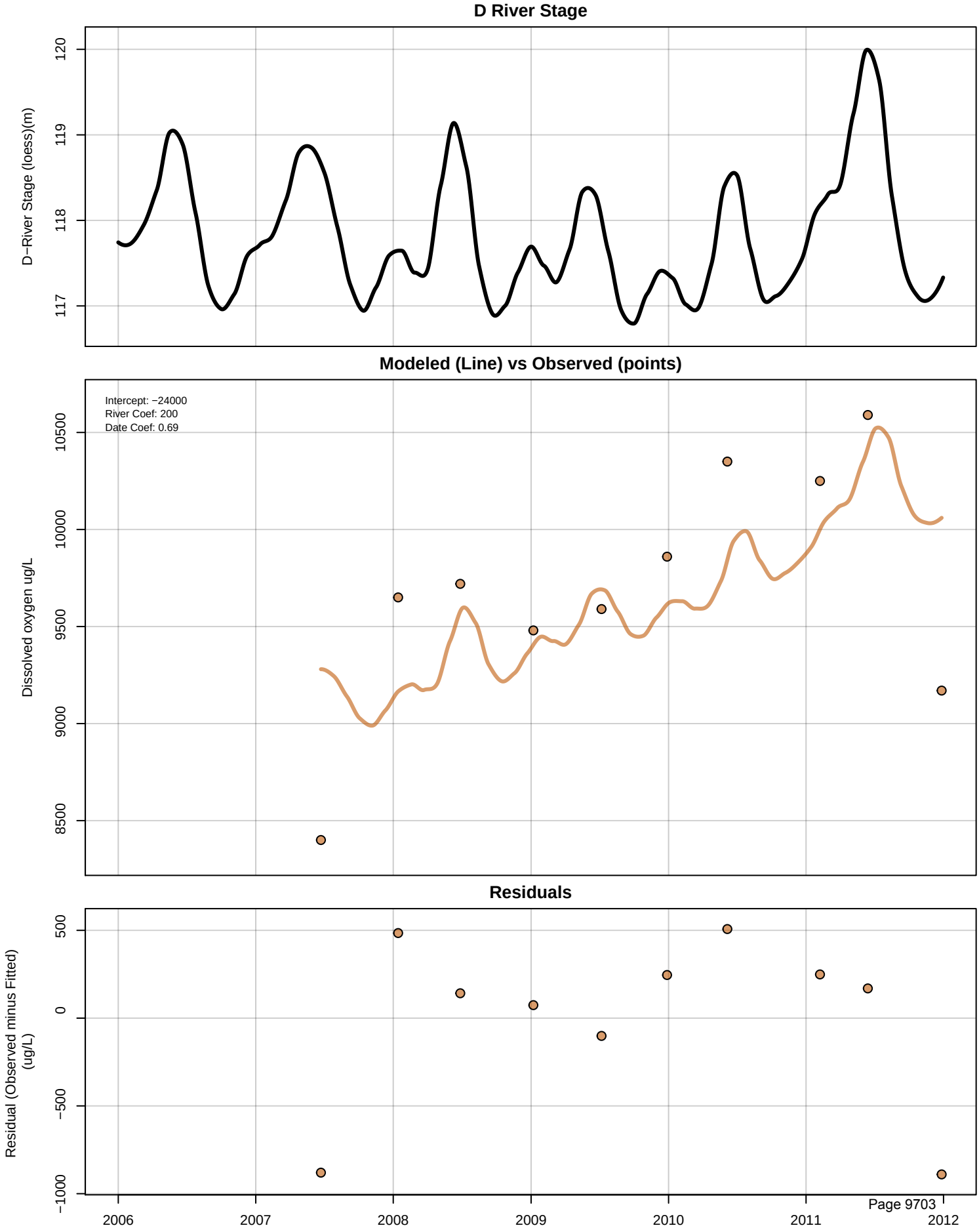






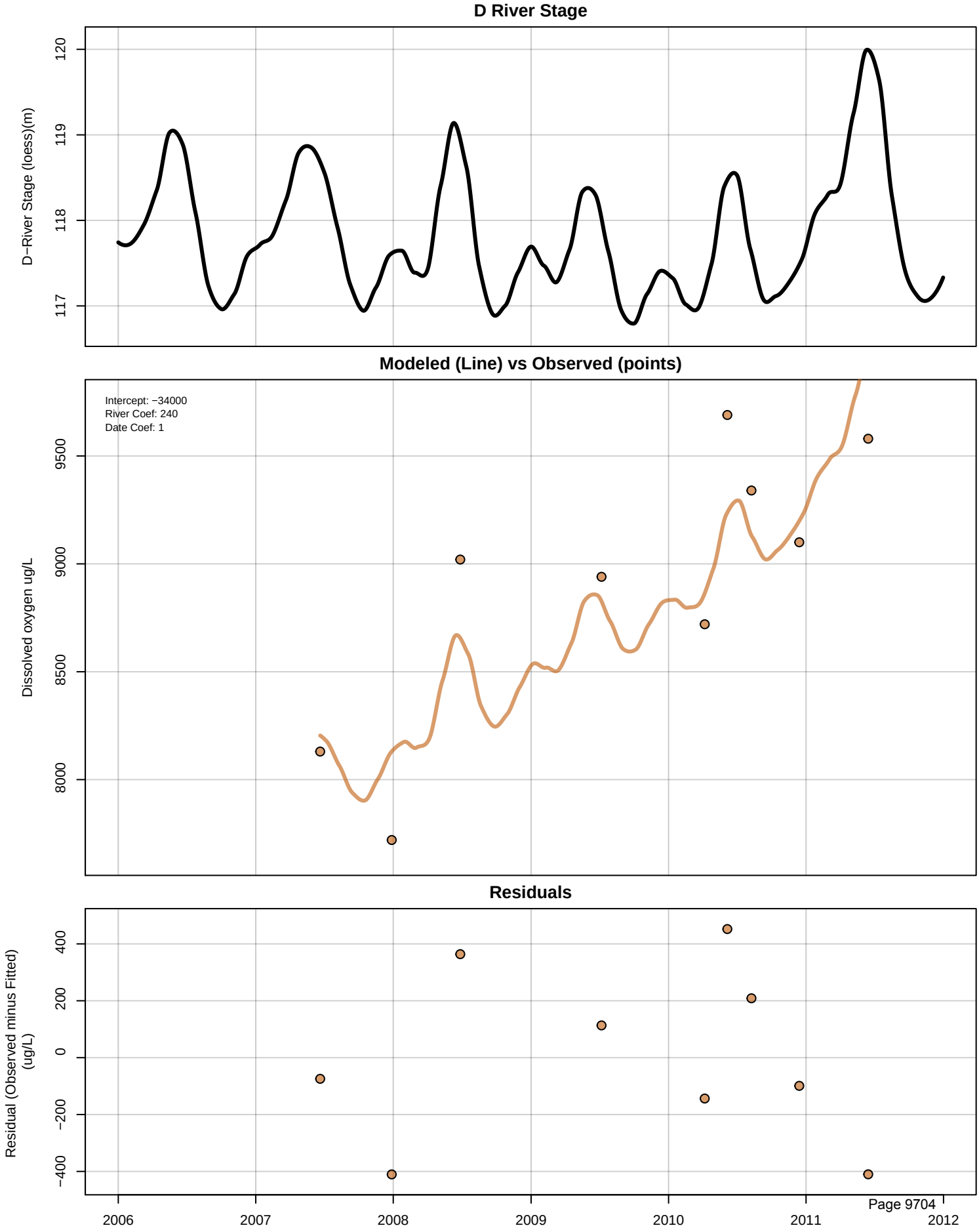
399−1−11 (281m) Lag (25 Days)

Detect
Non−detect
Pre−Remedy
Post−Remedy



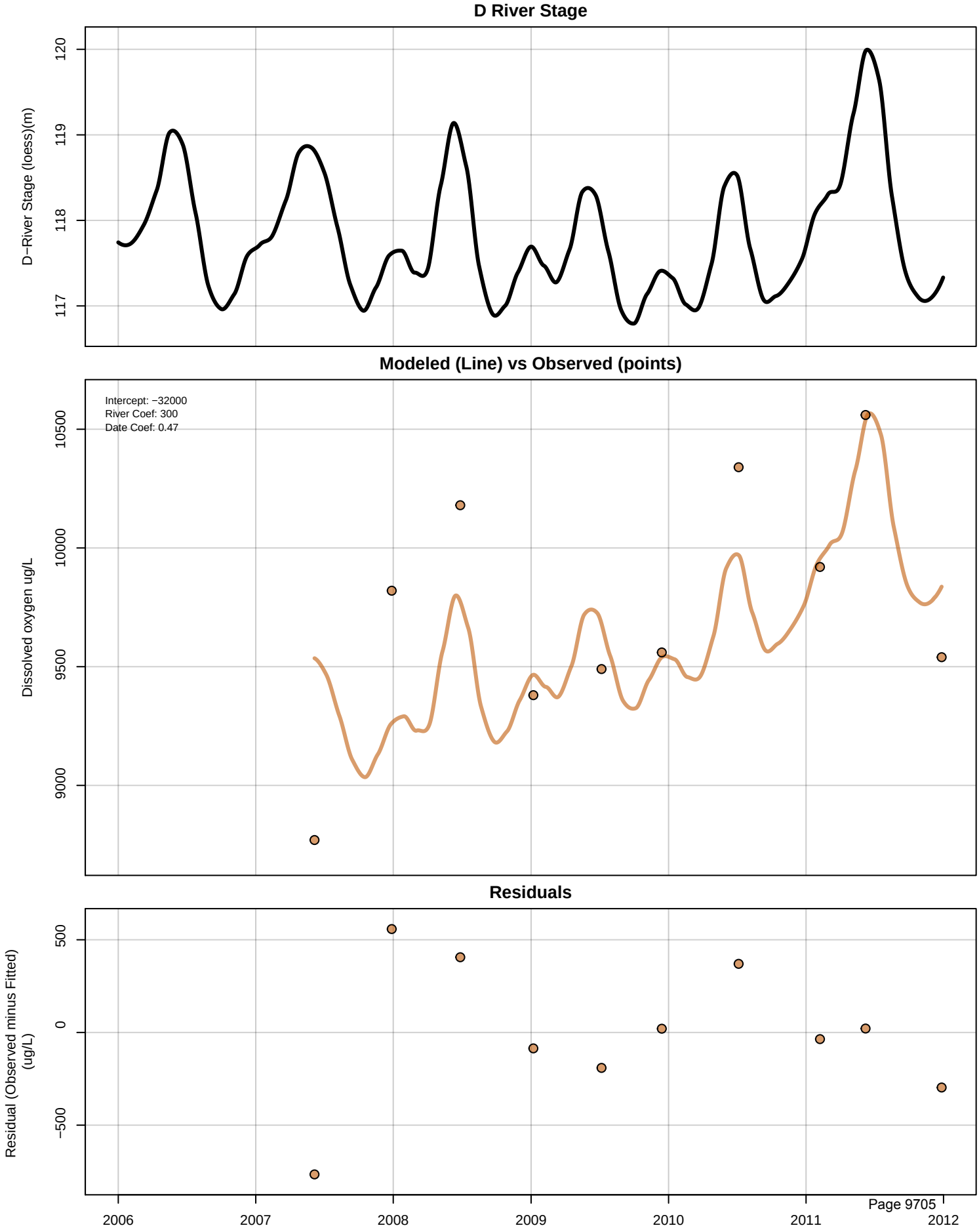
399−1−12 (363m) Lag (5 Days)

Detect
Non−detect
Pre−Remedy
Post−Remedy



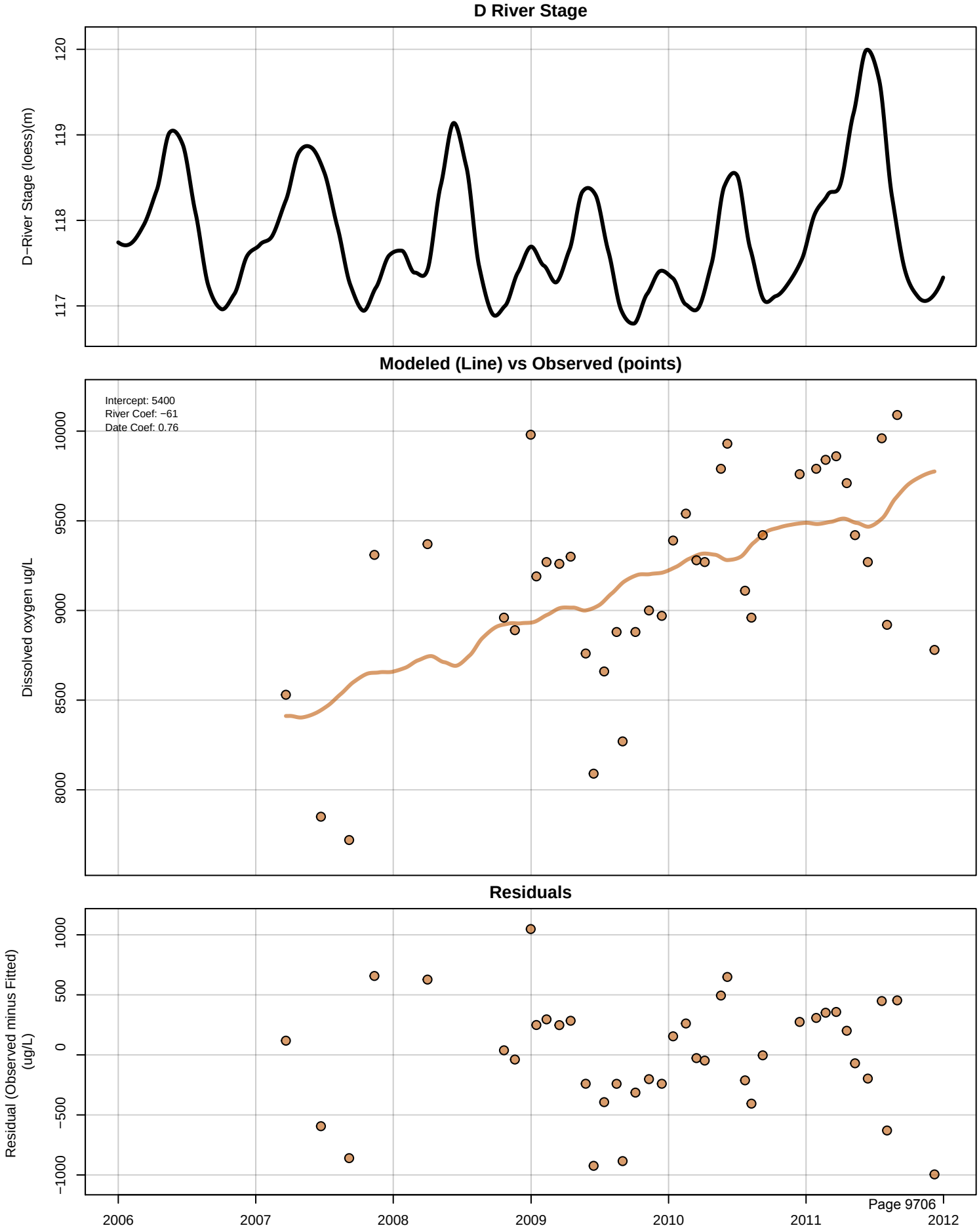
399−1−15 (362m) Lag (5 Days)

Detect
Non−detect
Pre−Remedy
Post−Remedy



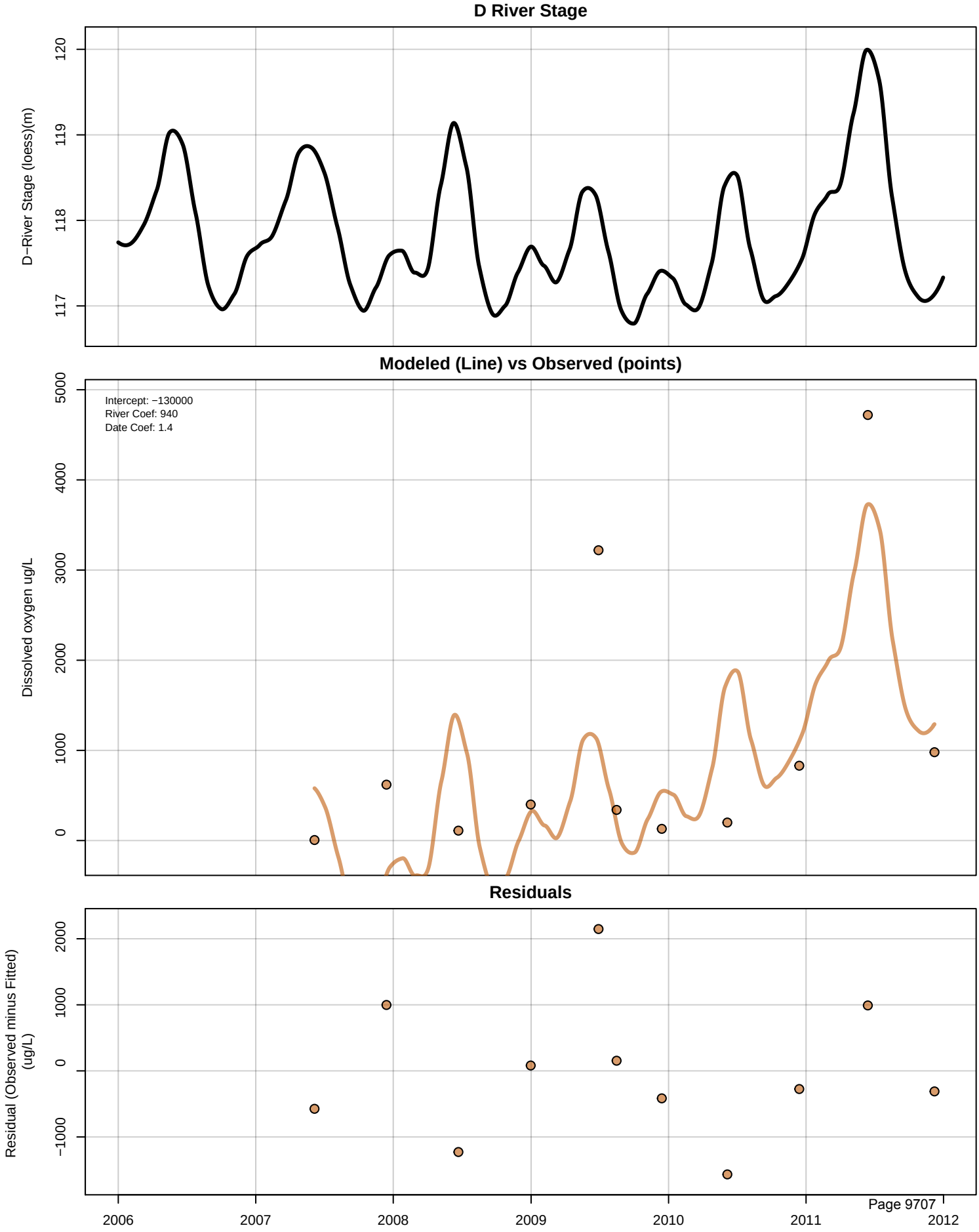
399−1−16A (120m) Lag (9 Days)

Detect
Non−detect
Pre−Remedy
Post−Remedy

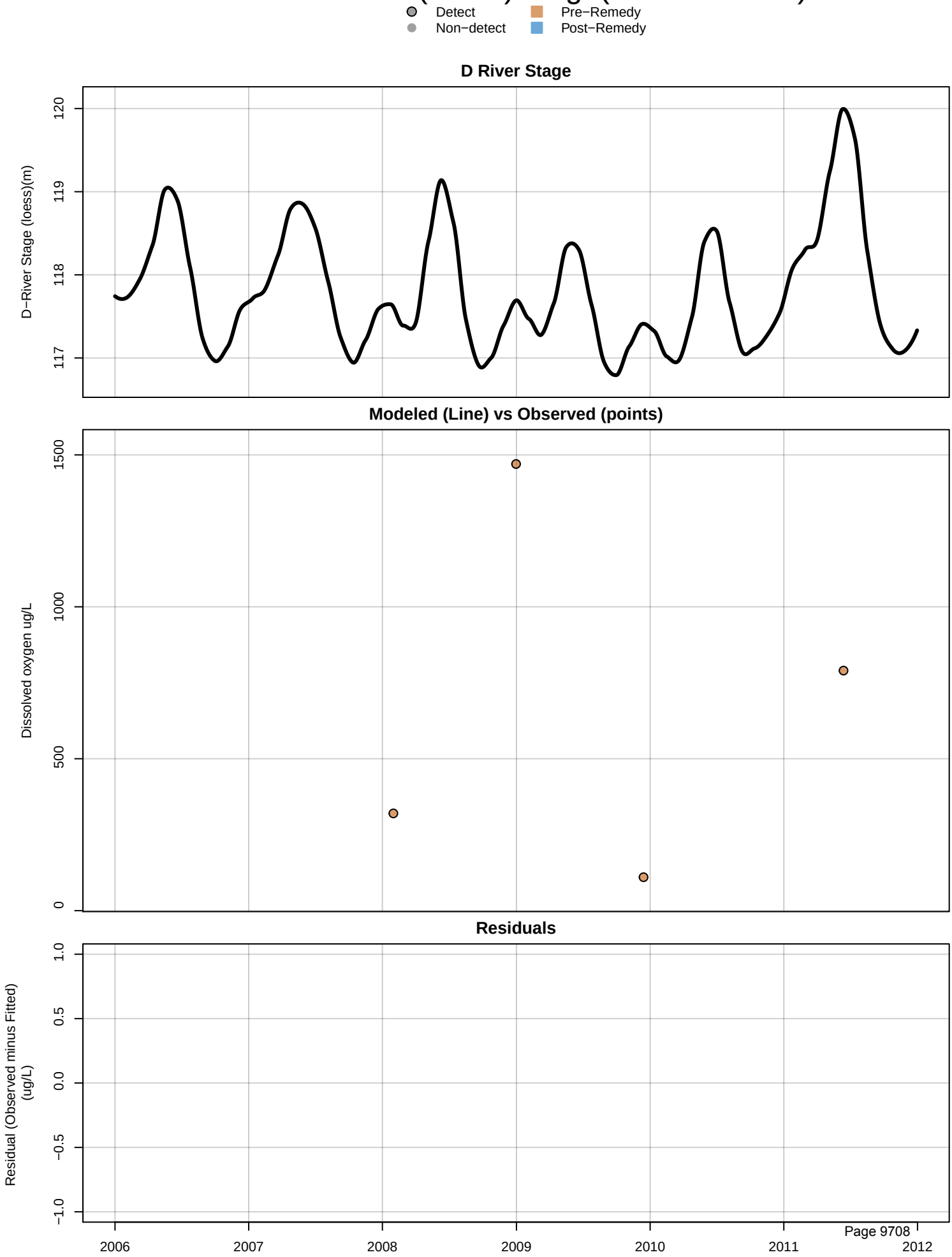


399−1−16B (114m) Lag (2 Days)

Detect
Non−detect
Pre−Remedy
Post−Remedy

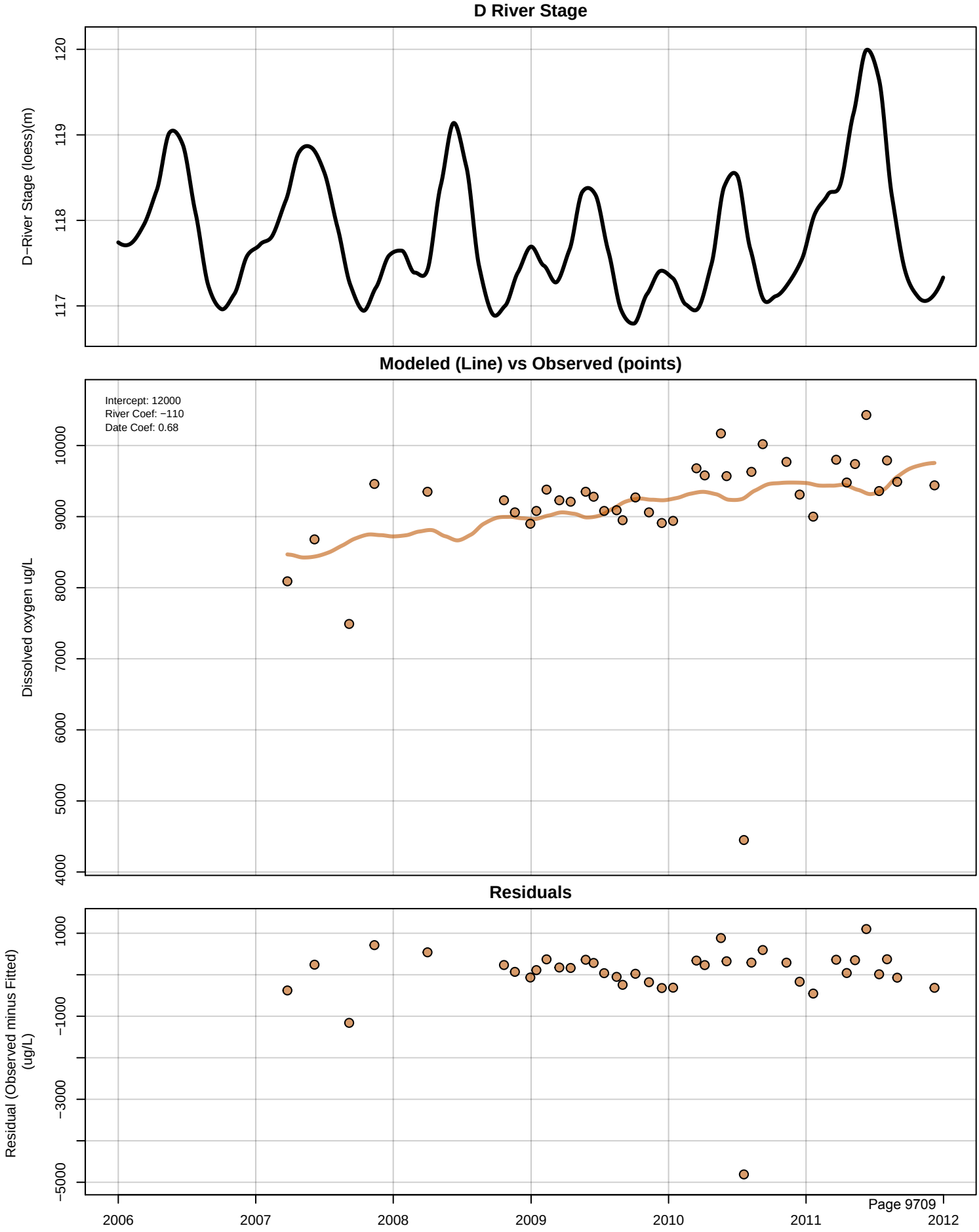


399−1−16C (127m) Lag (Indeterminate)



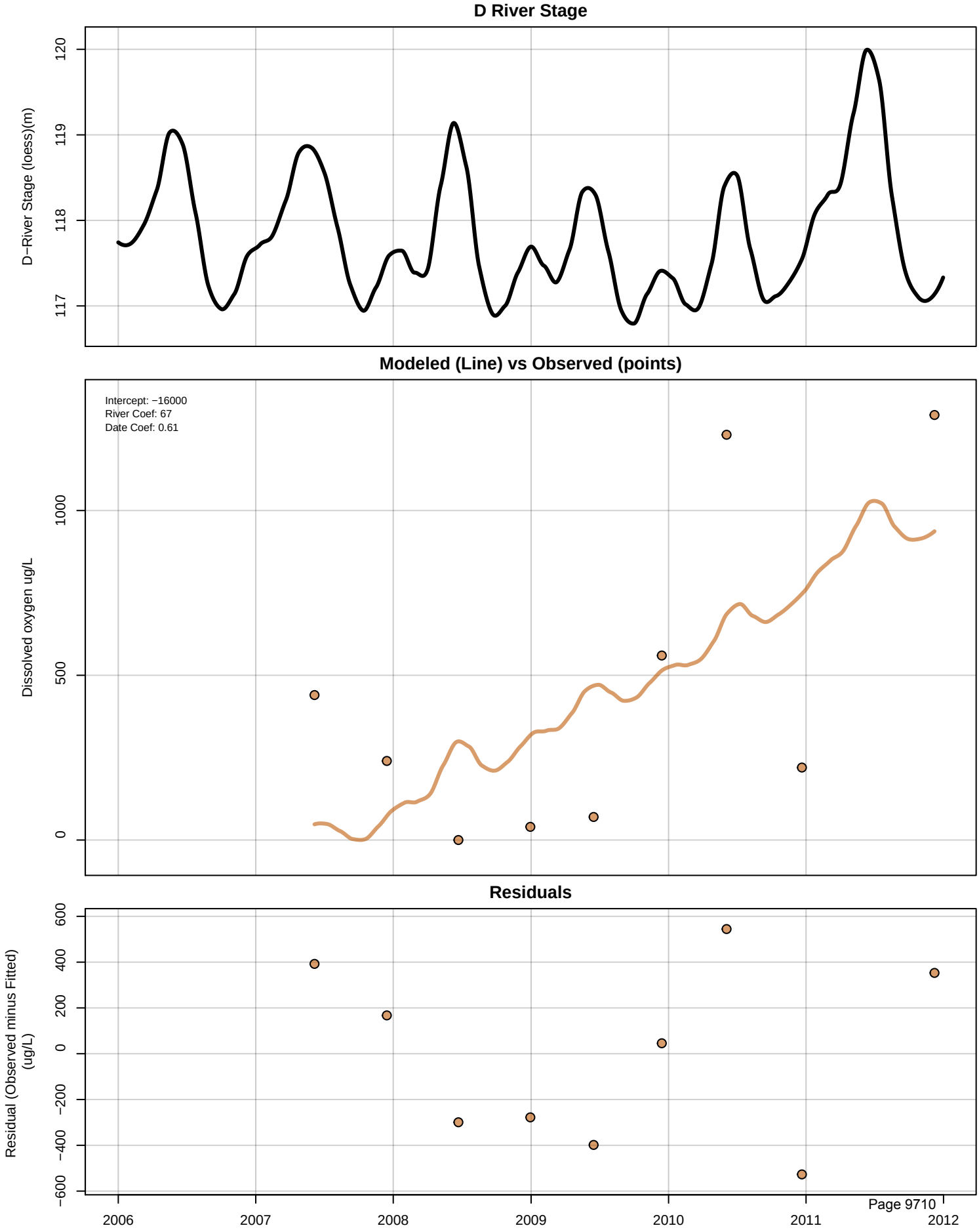
399−1−17A (316m) Lag (12 Days)

Detect
Non−detect
Pre−Remedy
Post−Remedy

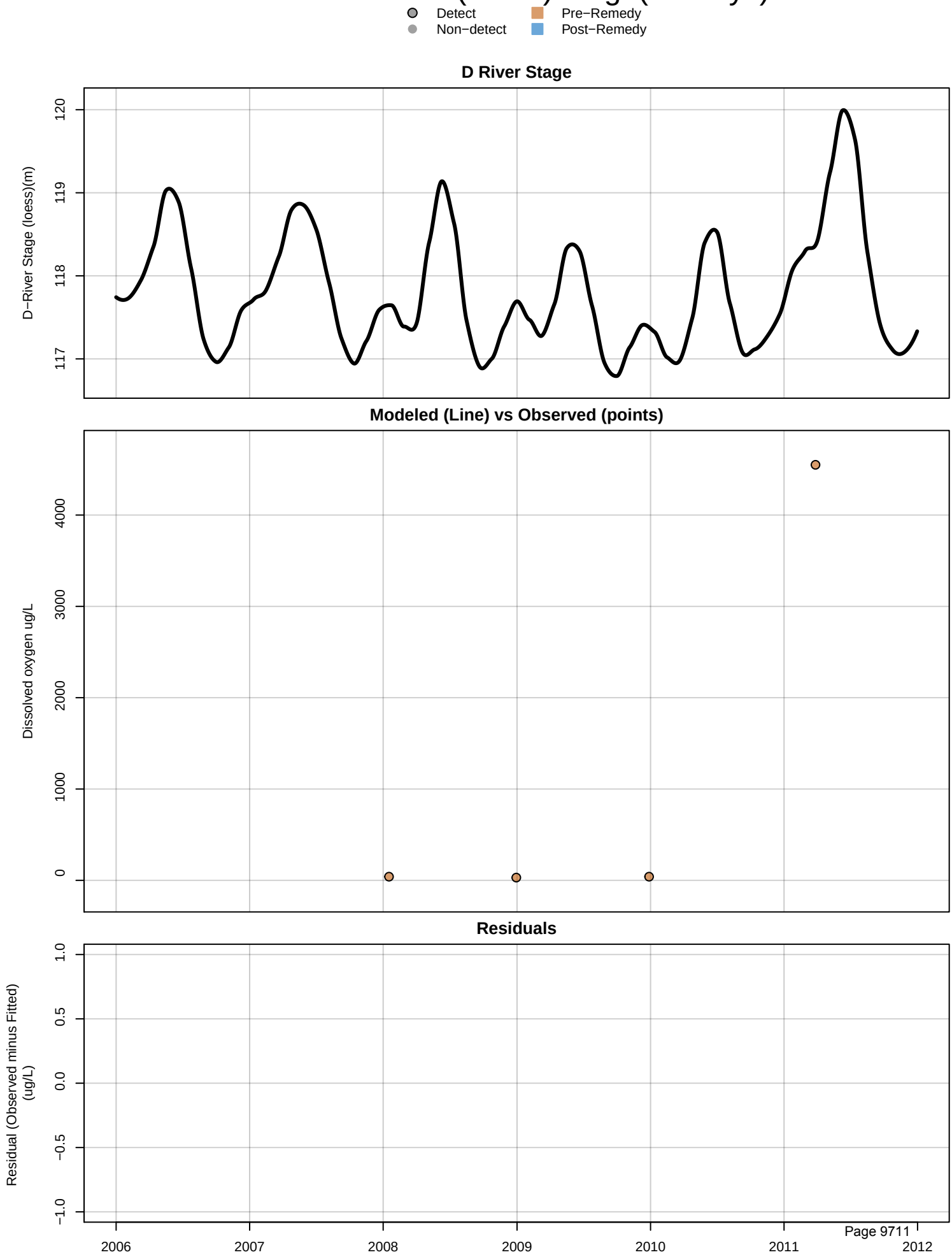


399−1−17B (323m) Lag (7 Days)

Detect
Non−detect
Pre−Remedy
Post−Remedy

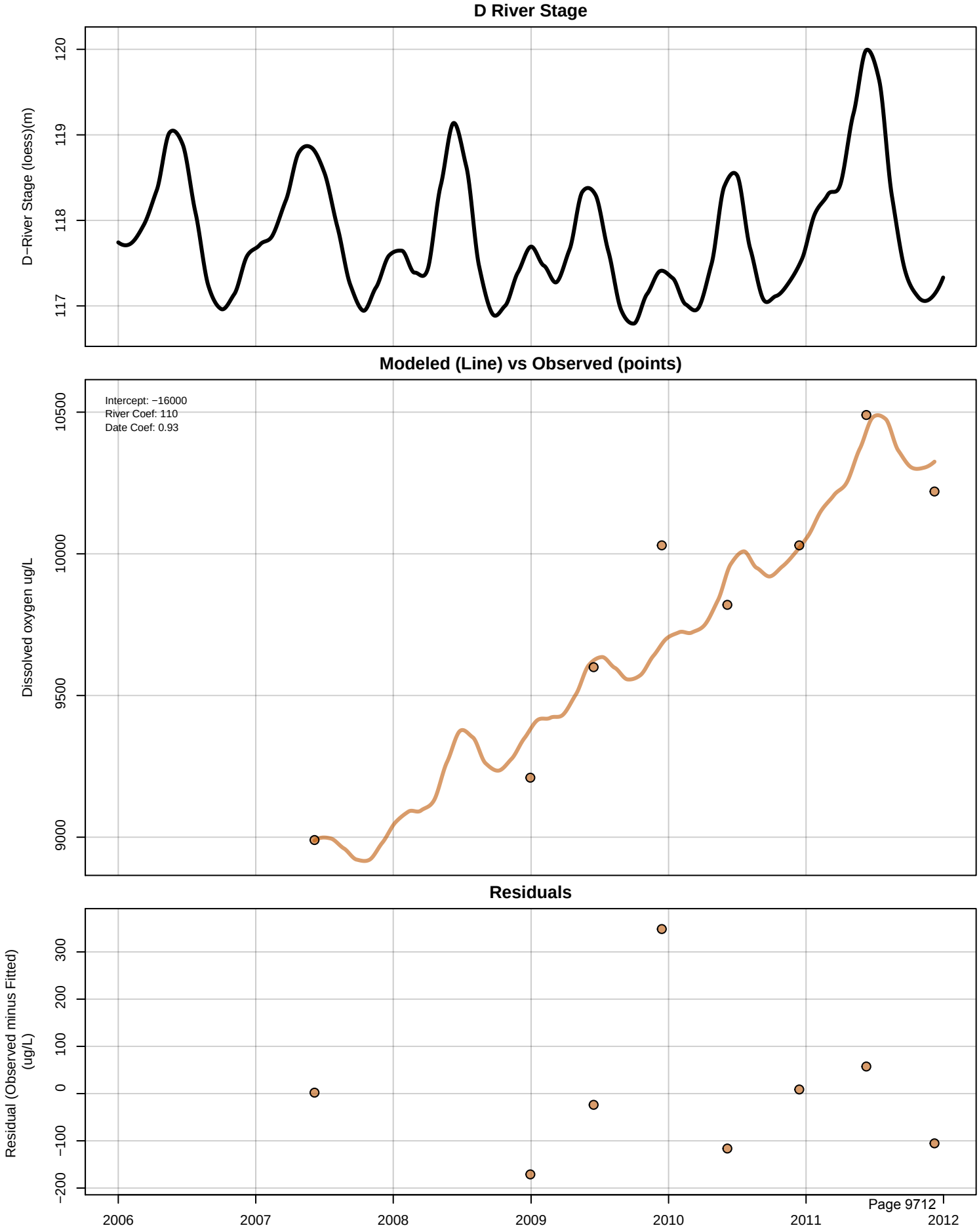


399−1−17C (325m) Lag (42 Days)



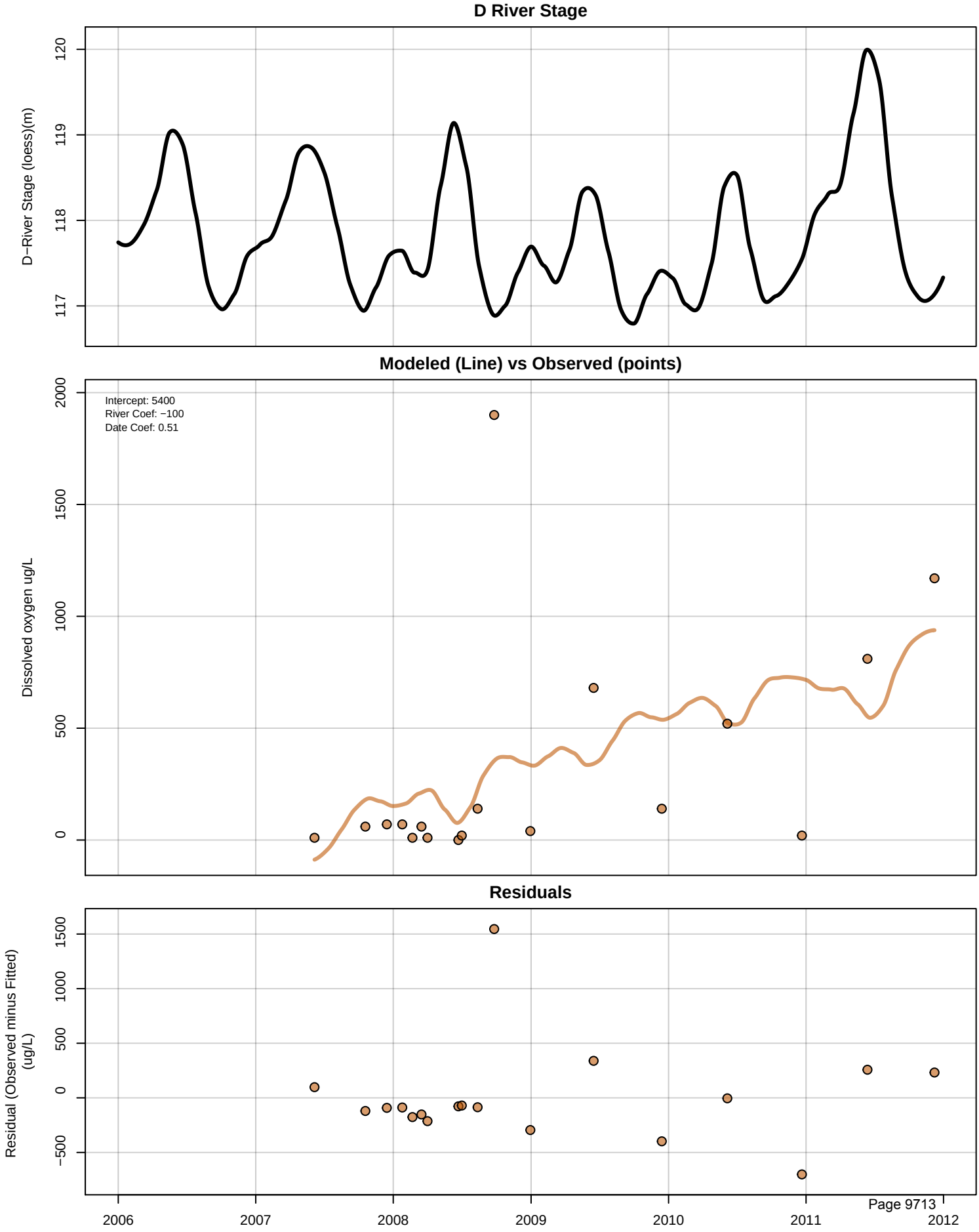
399−1−18A (447m) Lag (17 Days)

Detect
Non−detect
Pre−Remedy
Post−Remedy



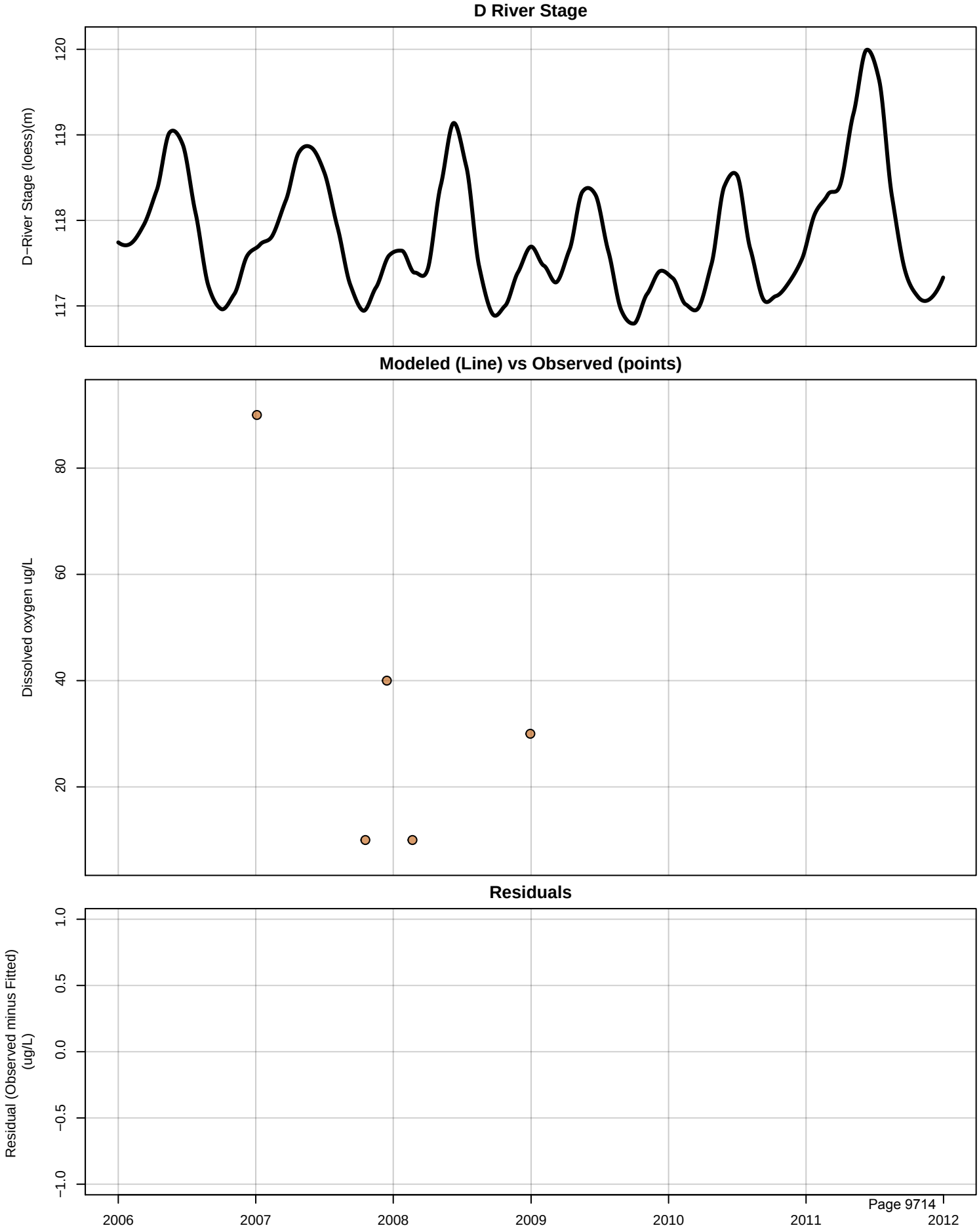
399−1−18B (452m) Lag (11 Days)

Detect
Non−detect
Pre−Remedy
Post−Remedy



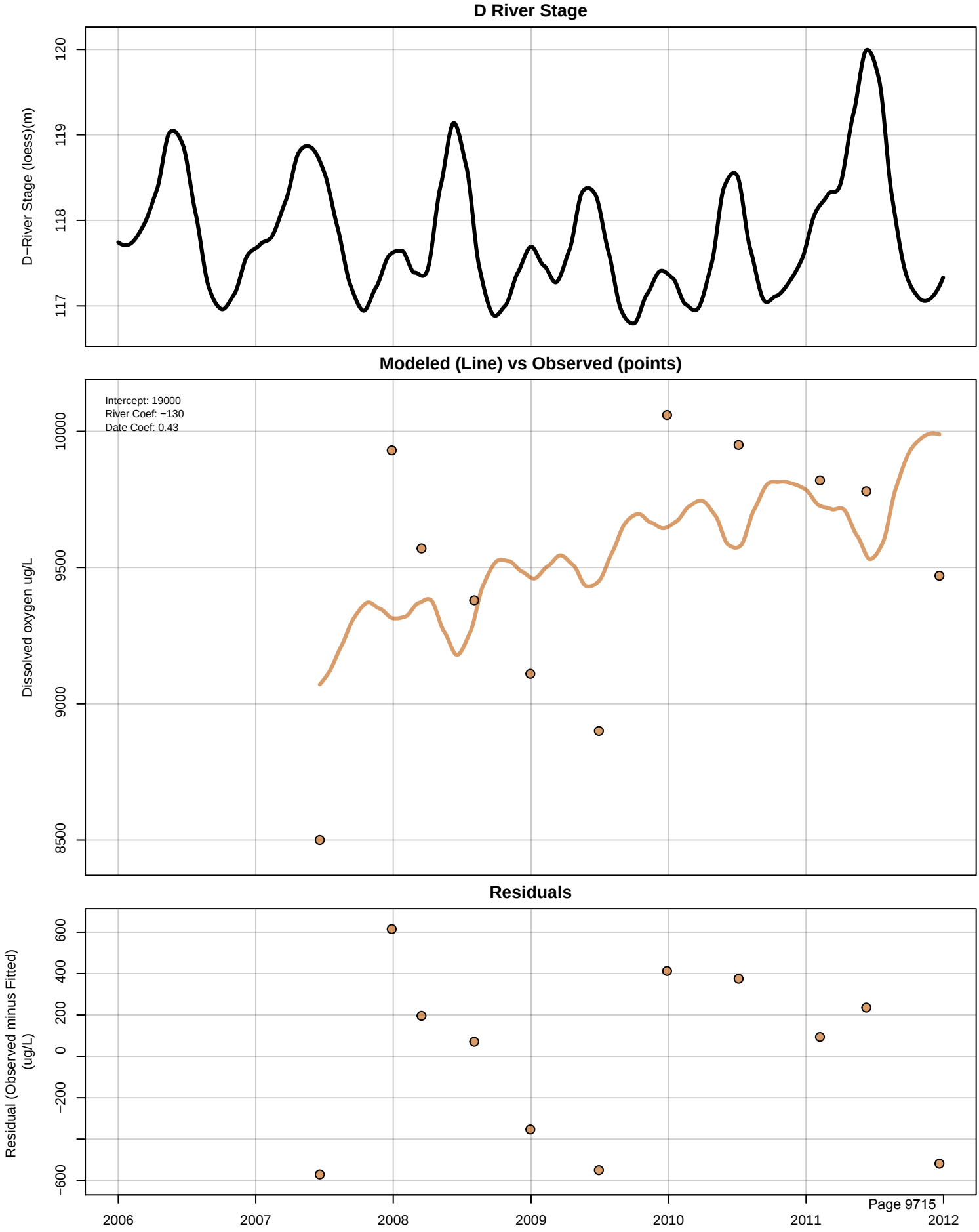
399−1−18C (445m) Lag (7 Days)

Detect
Non−detect
Pre−Remedy
Post−Remedy



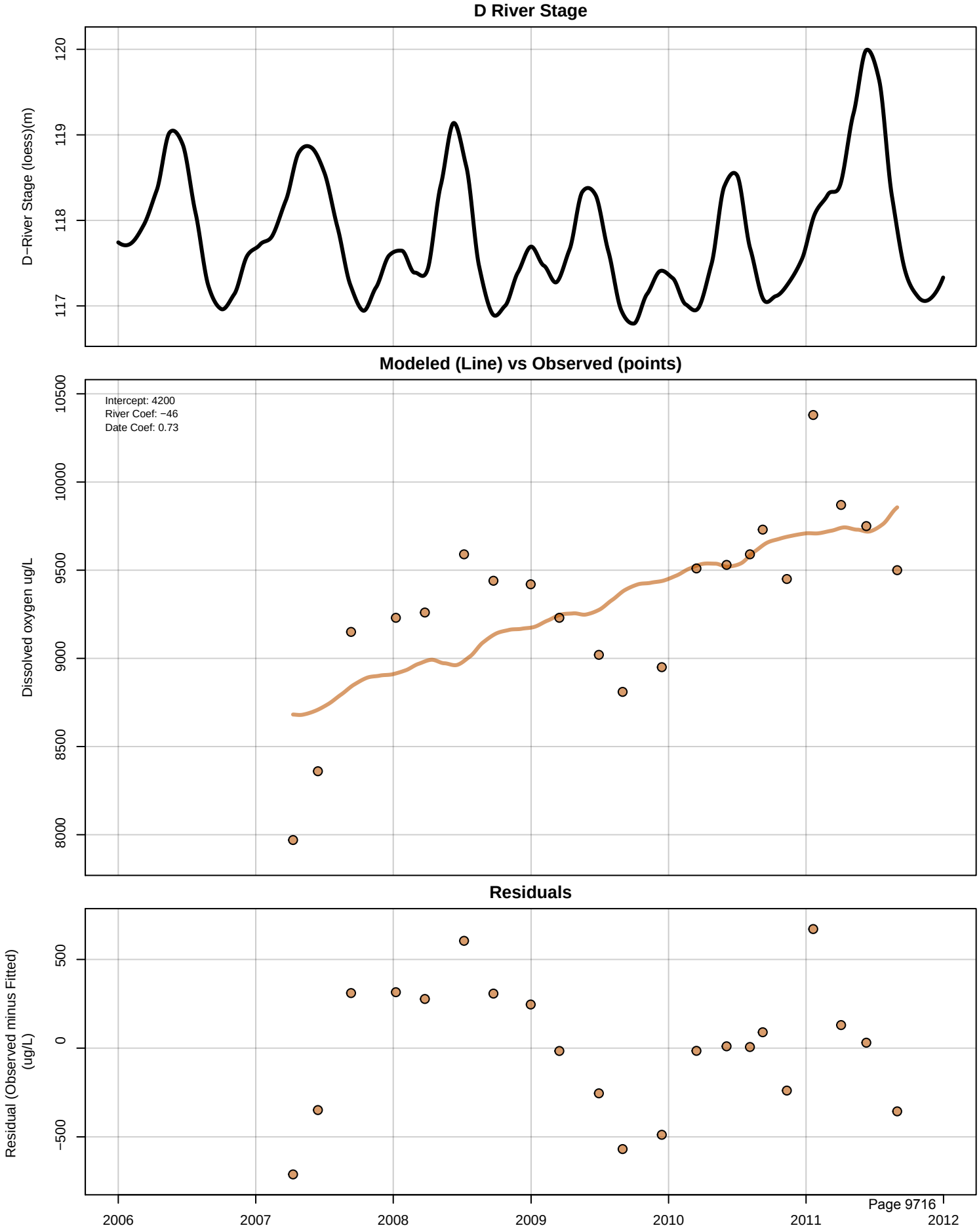
399−1−2 (366m) Lag (10 Days)

Detect
Non−detect
Pre−Remedy
Post−Remedy



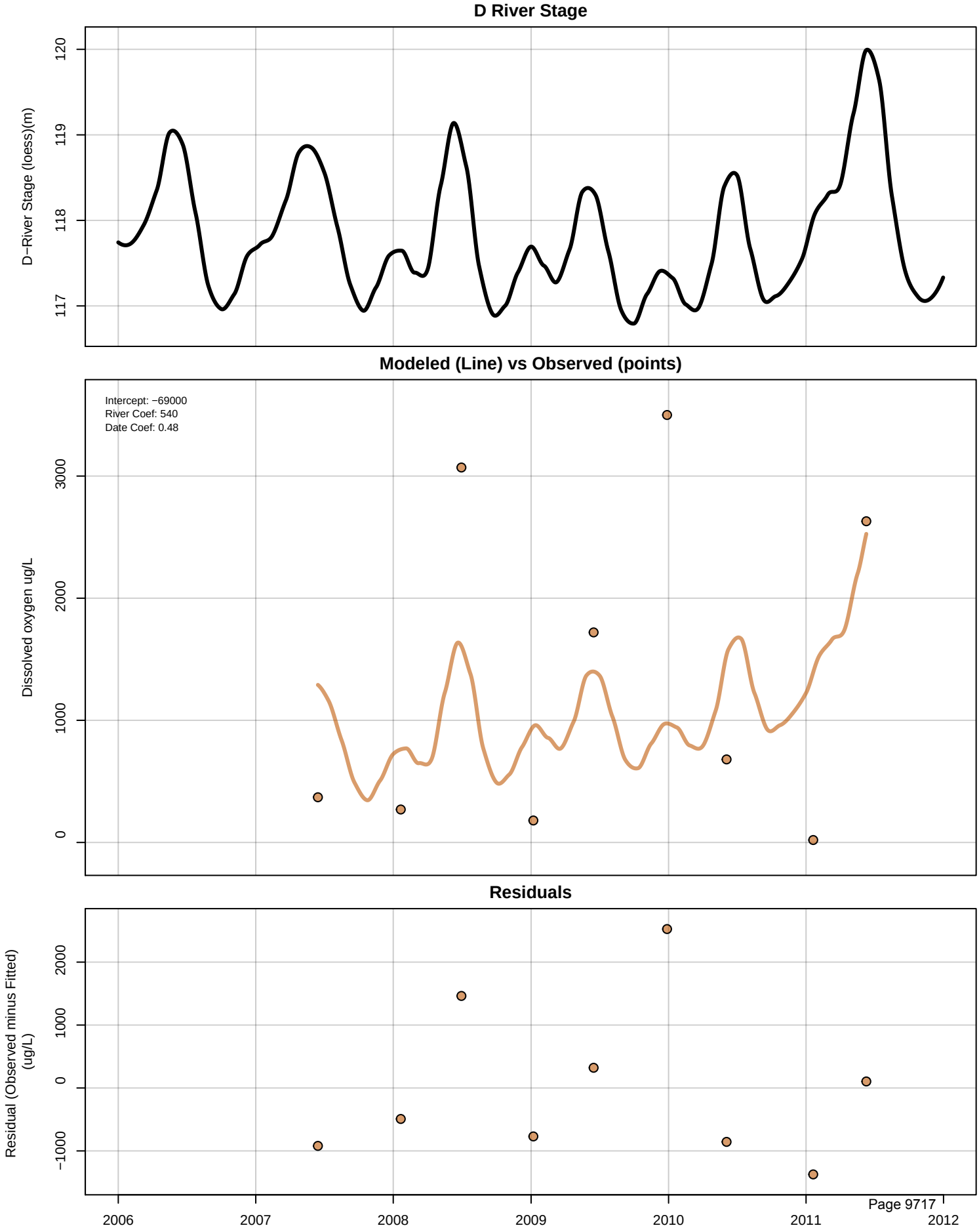
399−1−21A (323m) Lag (10 Days)

Detect
Non−detect
Pre−Remedy
Post−Remedy



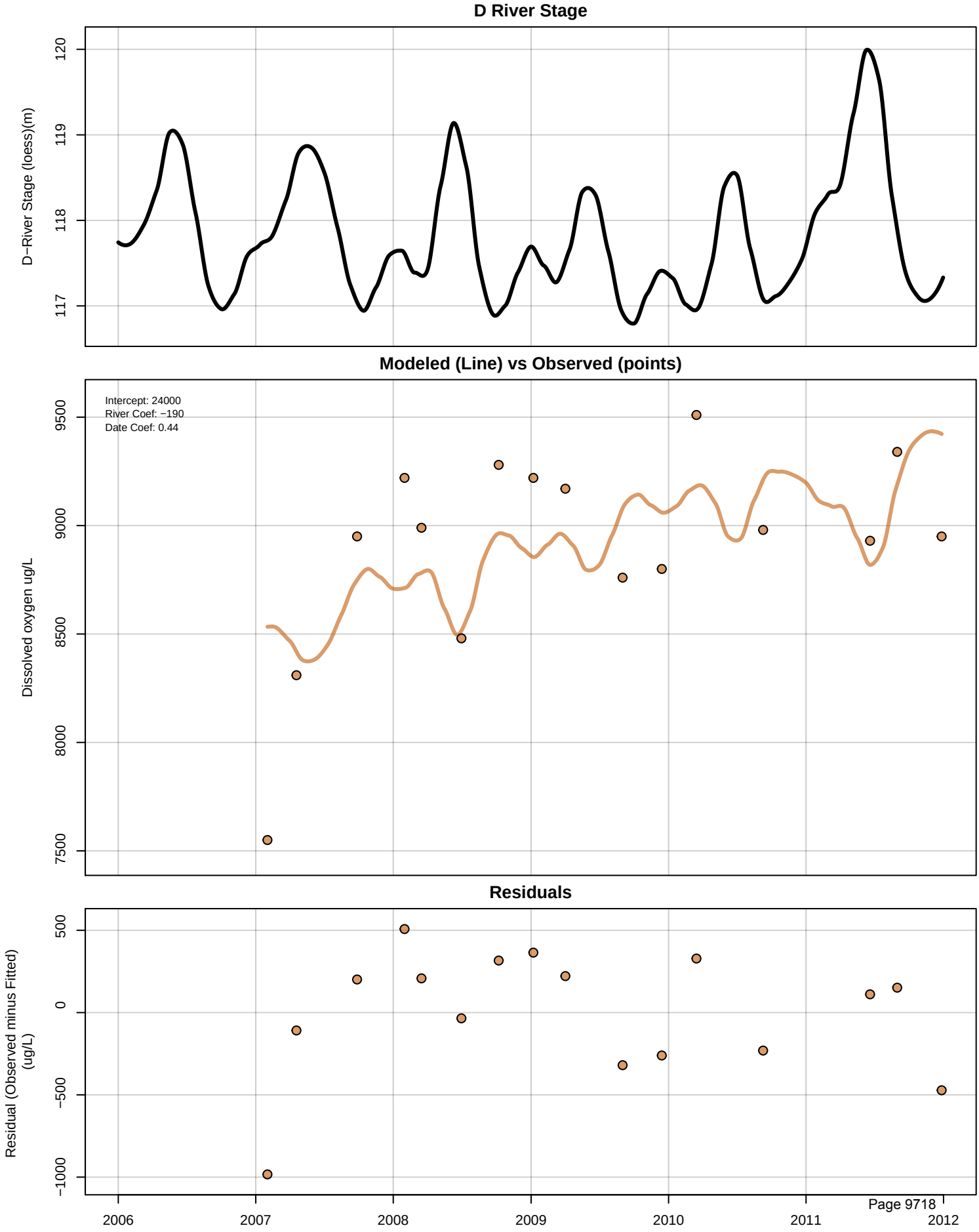
399−1−21B (328m) Lag (11 Days)

Detect
Non−detect
Pre−Remedy
Post−Remedy

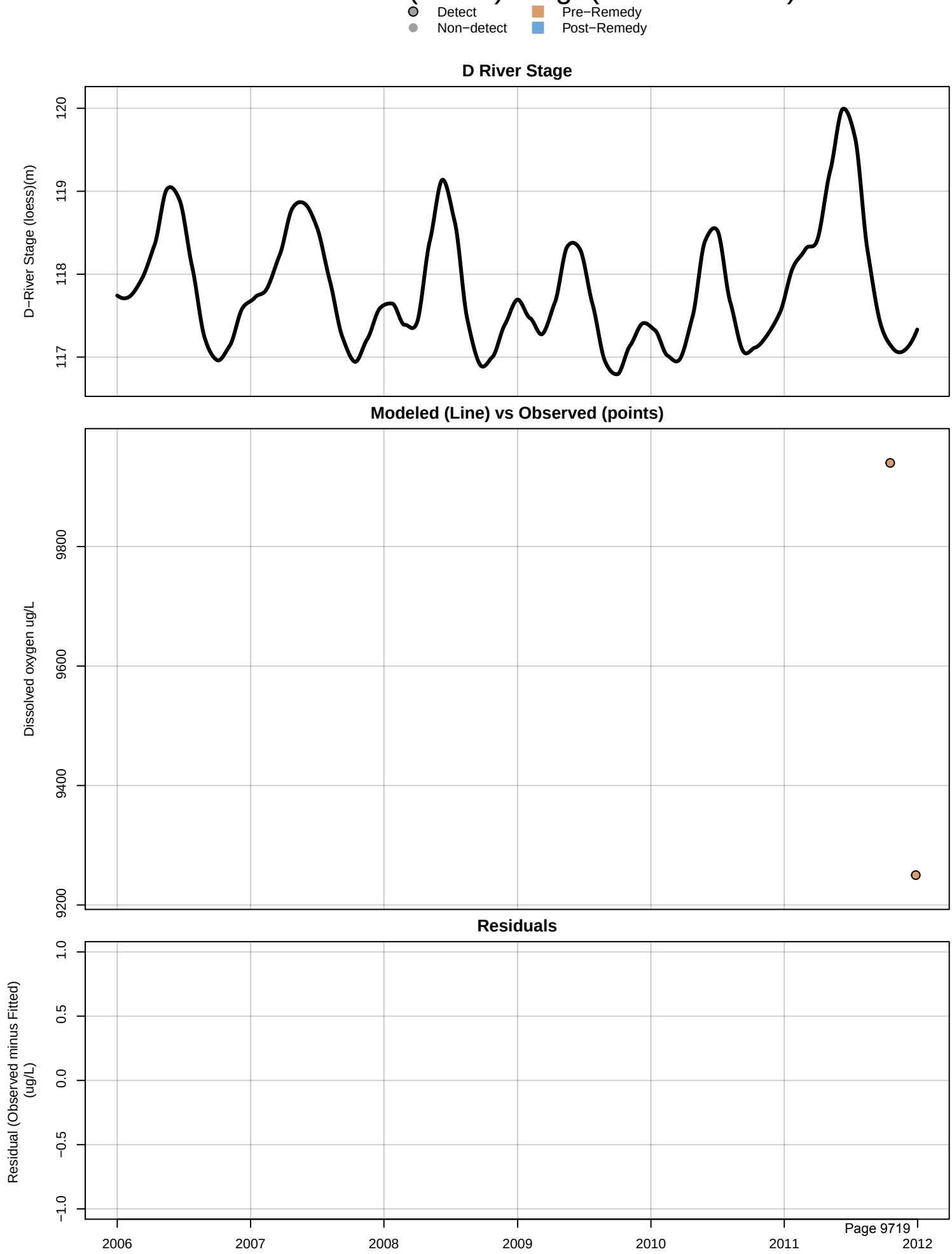


399−1−23 (310m) Lag (10 Days)

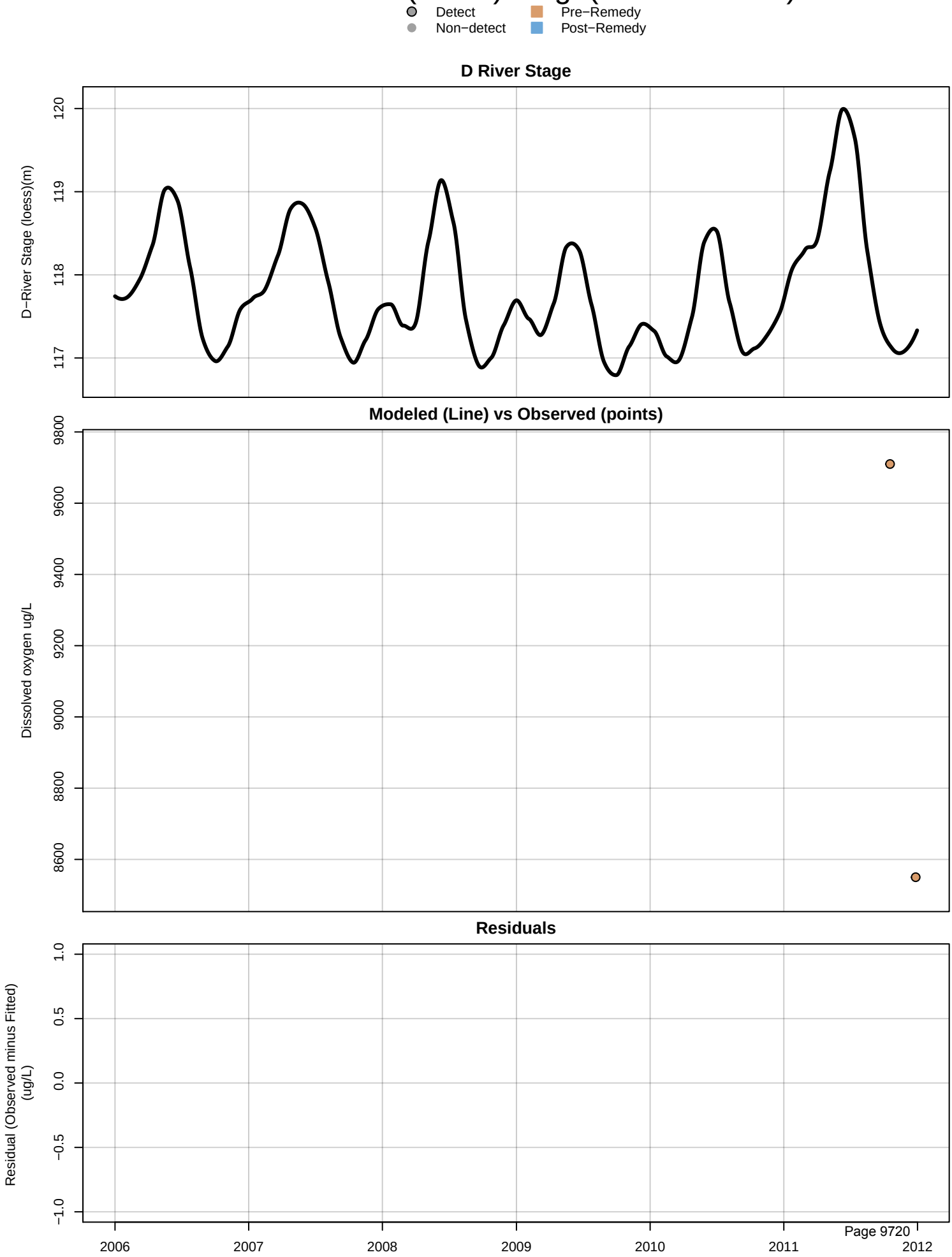
Detect
Non−detect
Pre−Remedy
Post−Remedy



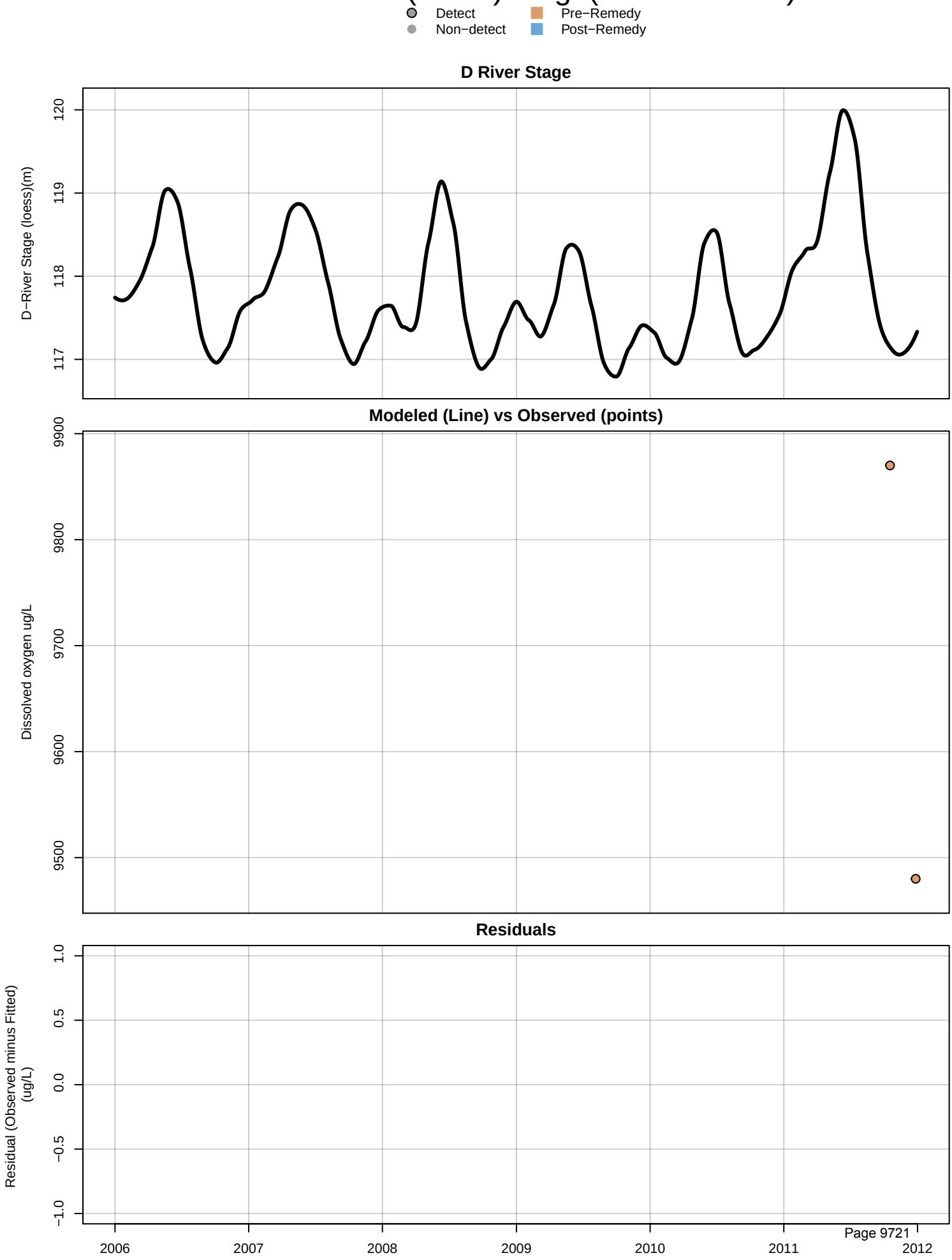
399−1−54 (116m) Lag (Indeterminate)



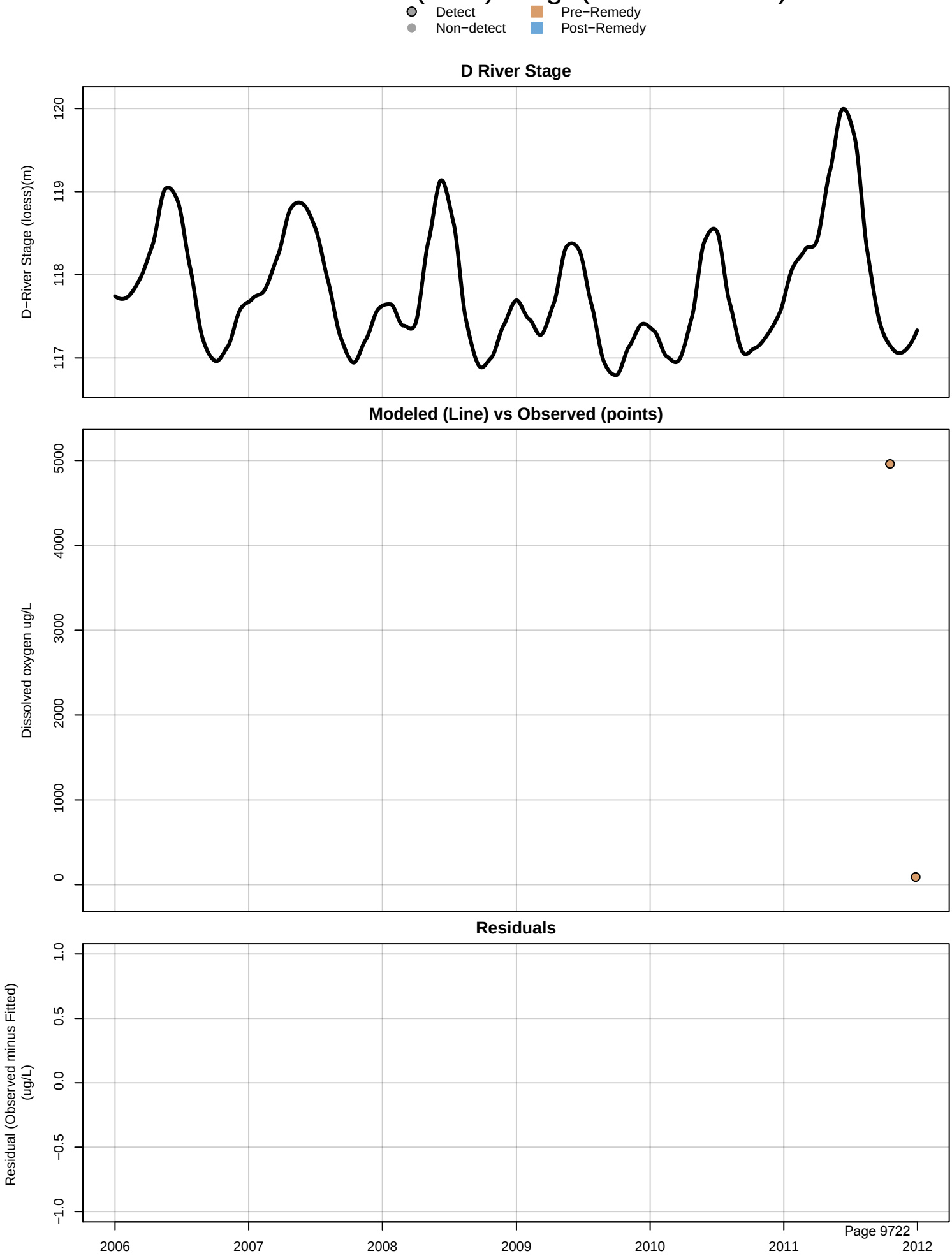
399−1−55 (270m) Lag (Indeterminate)



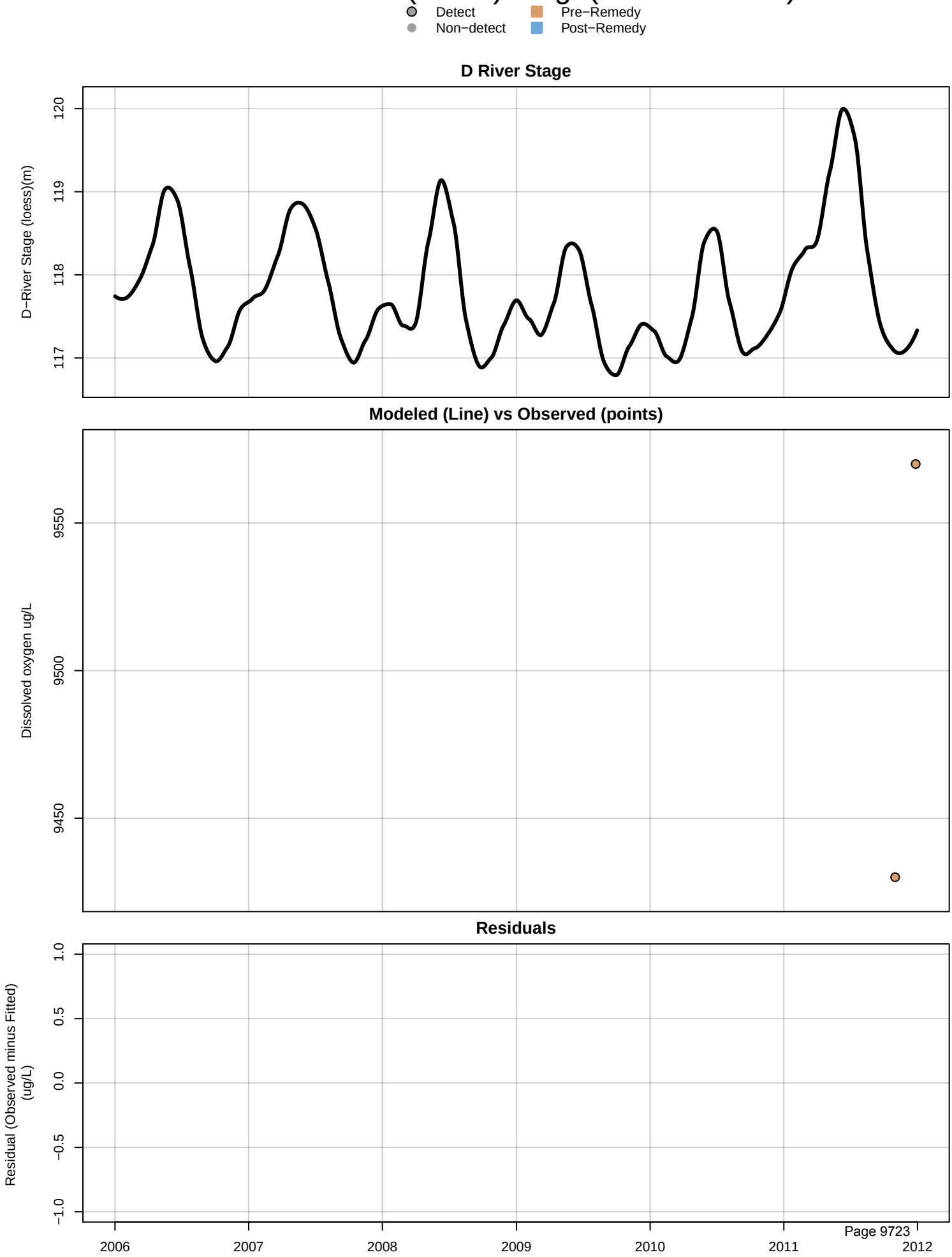
399−1−56 (291m) Lag (Indeterminate)



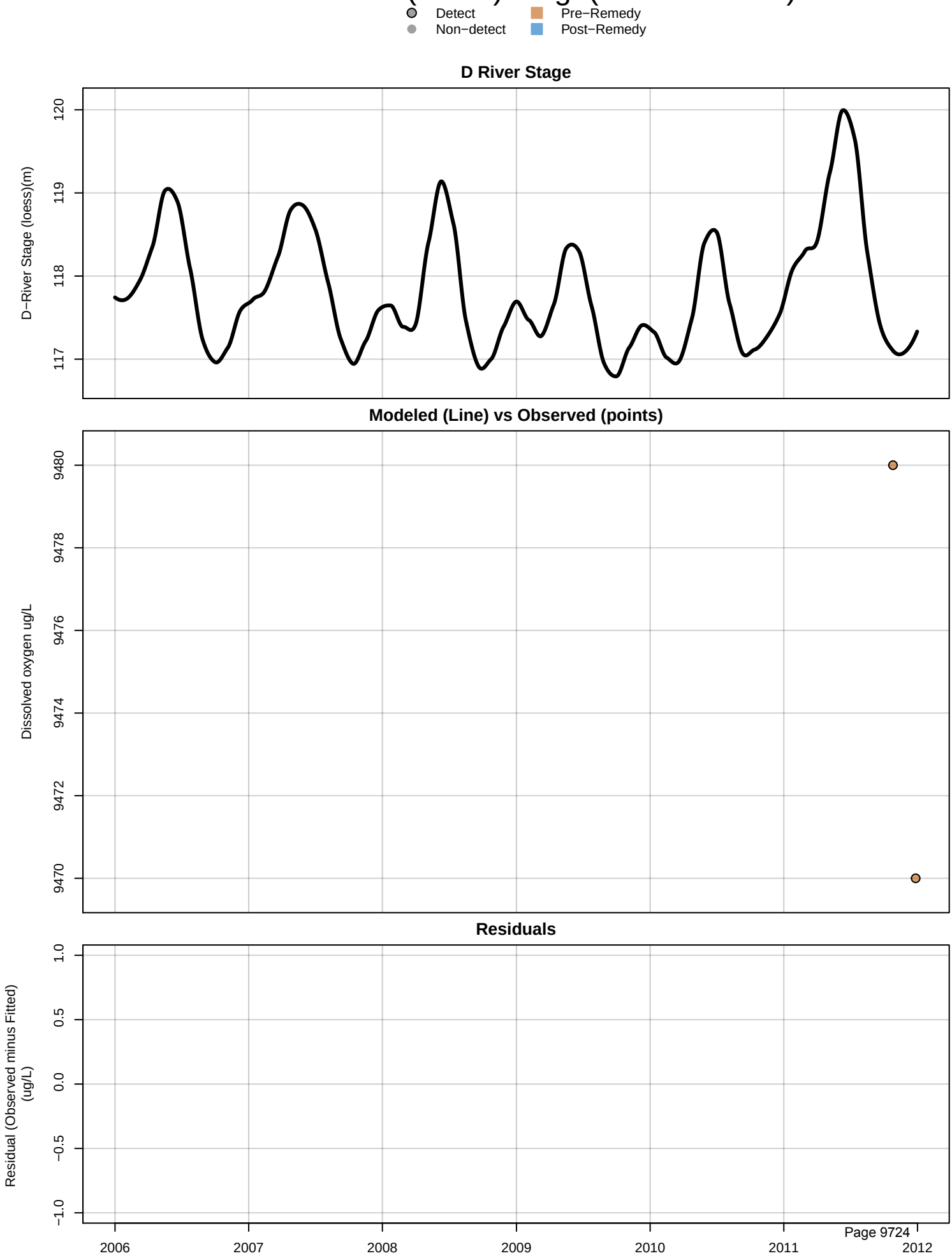
399−1−57 (65m) Lag (Indeterminate)



399−1−58 (527m) Lag (Indeterminate)

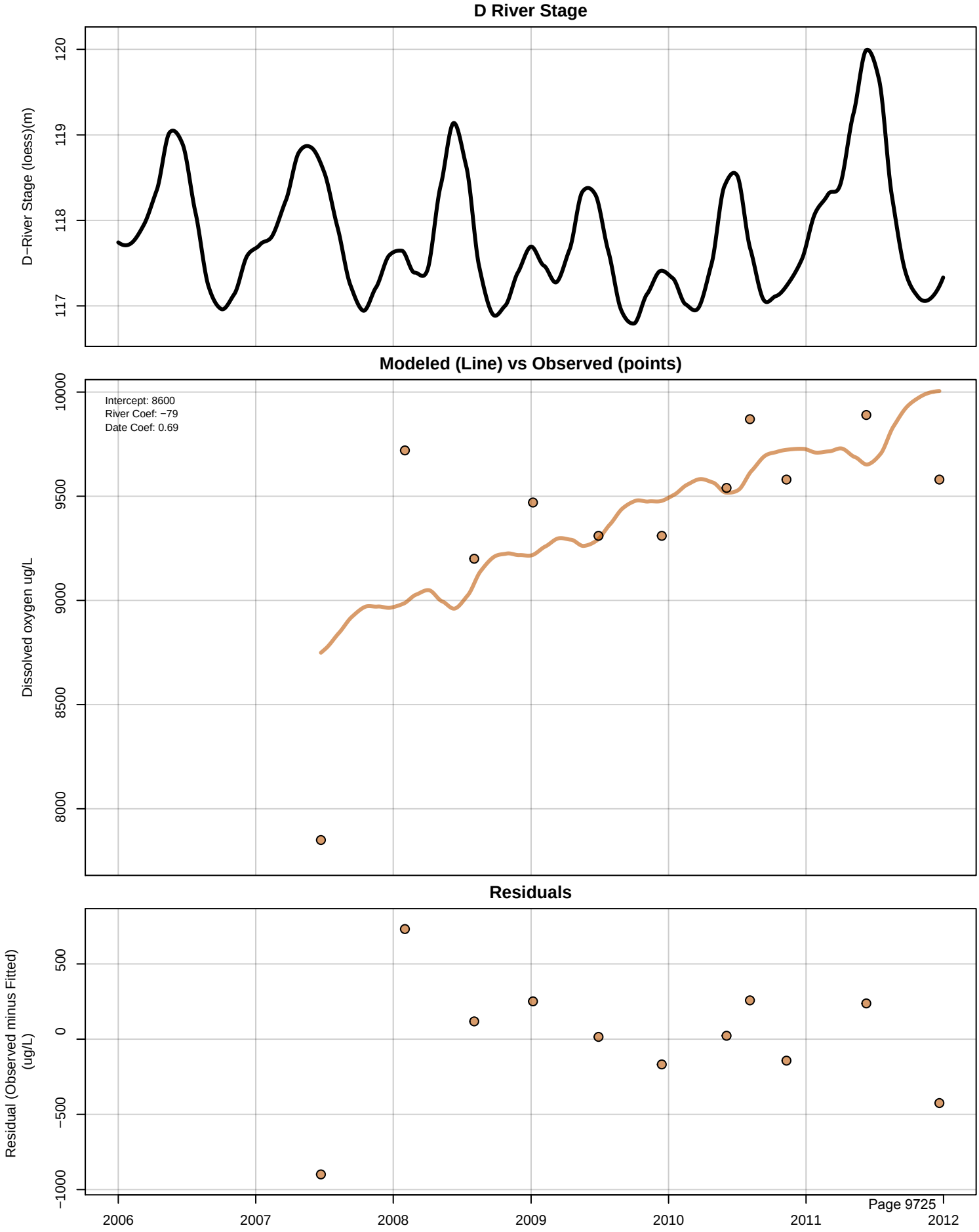


399−1−59 (417m) Lag (Indeterminate)

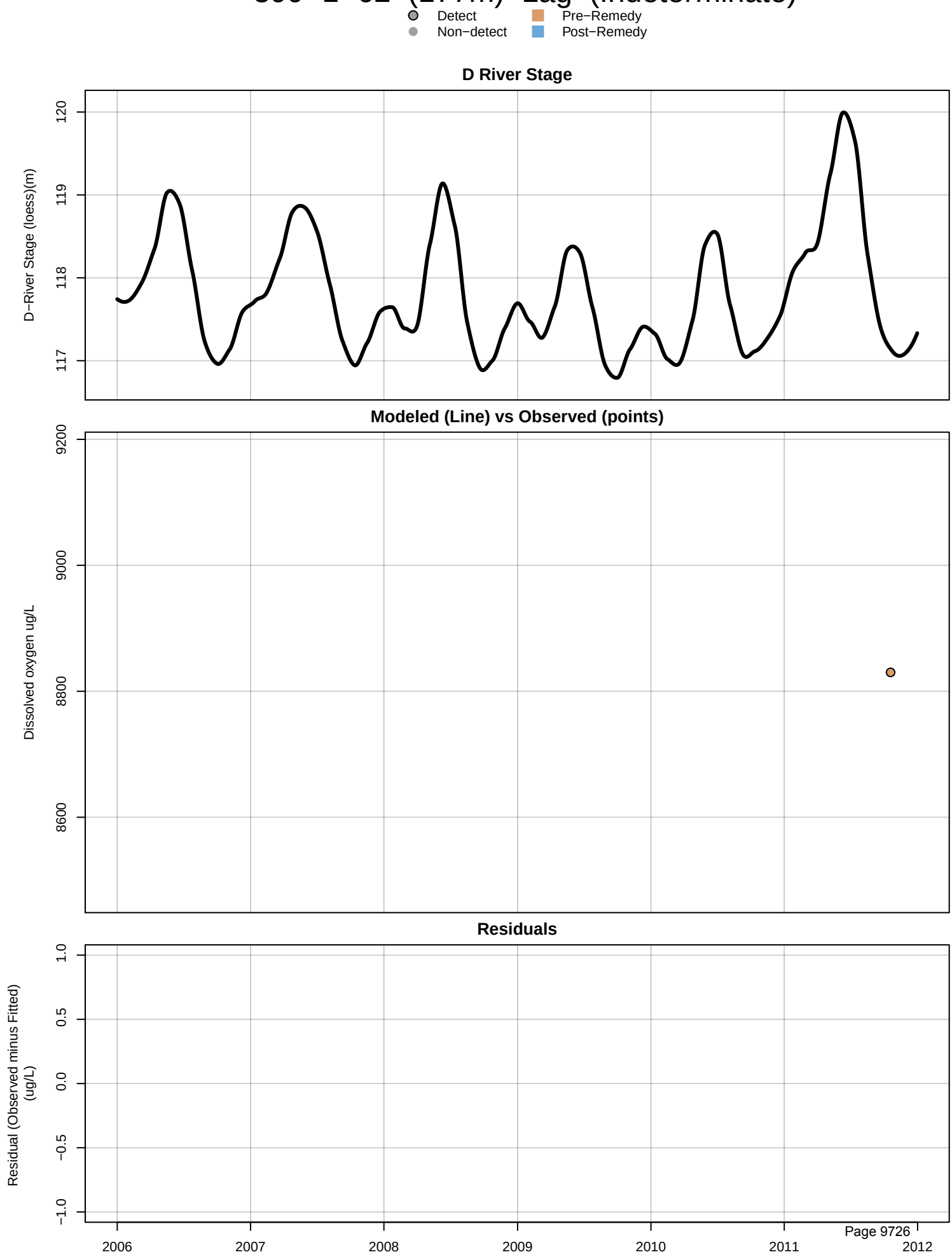


399−1−6 (217m) Lag (4 Days)

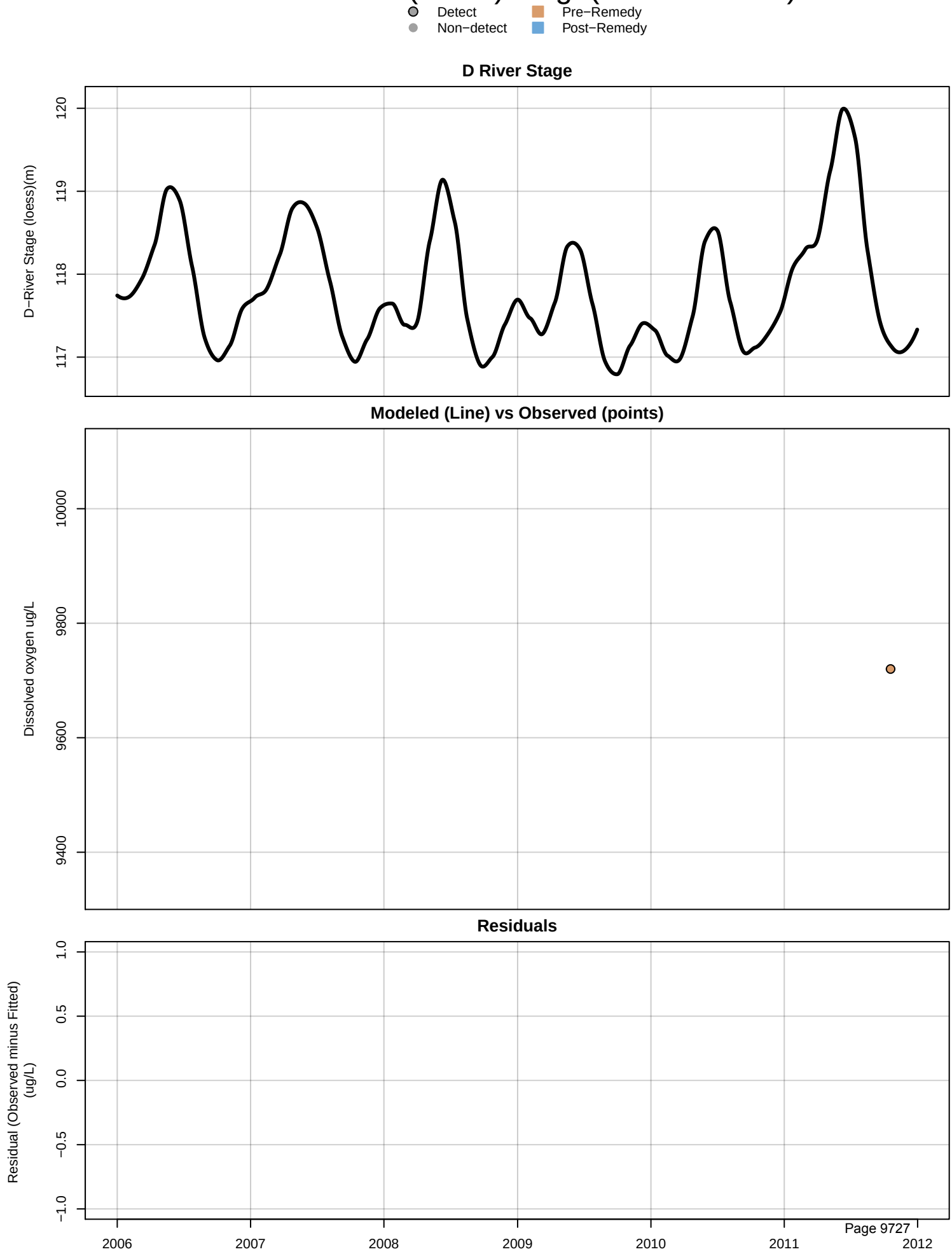
Detect
Non−detect
Pre−Remedy
Post−Remedy



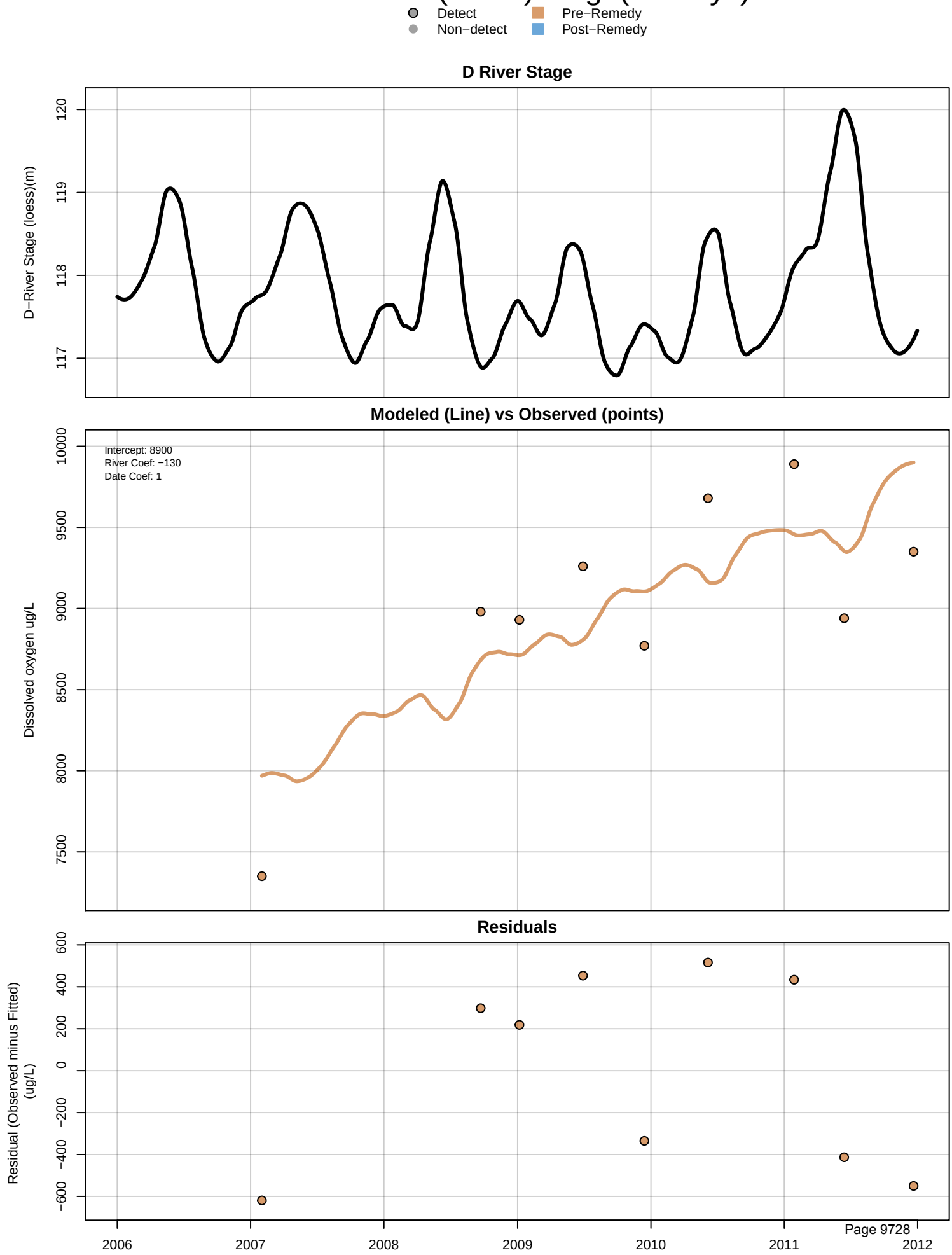
399−1−62 (177m) Lag (Indeterminate)



399−1−64 (296m) Lag (Indeterminate)

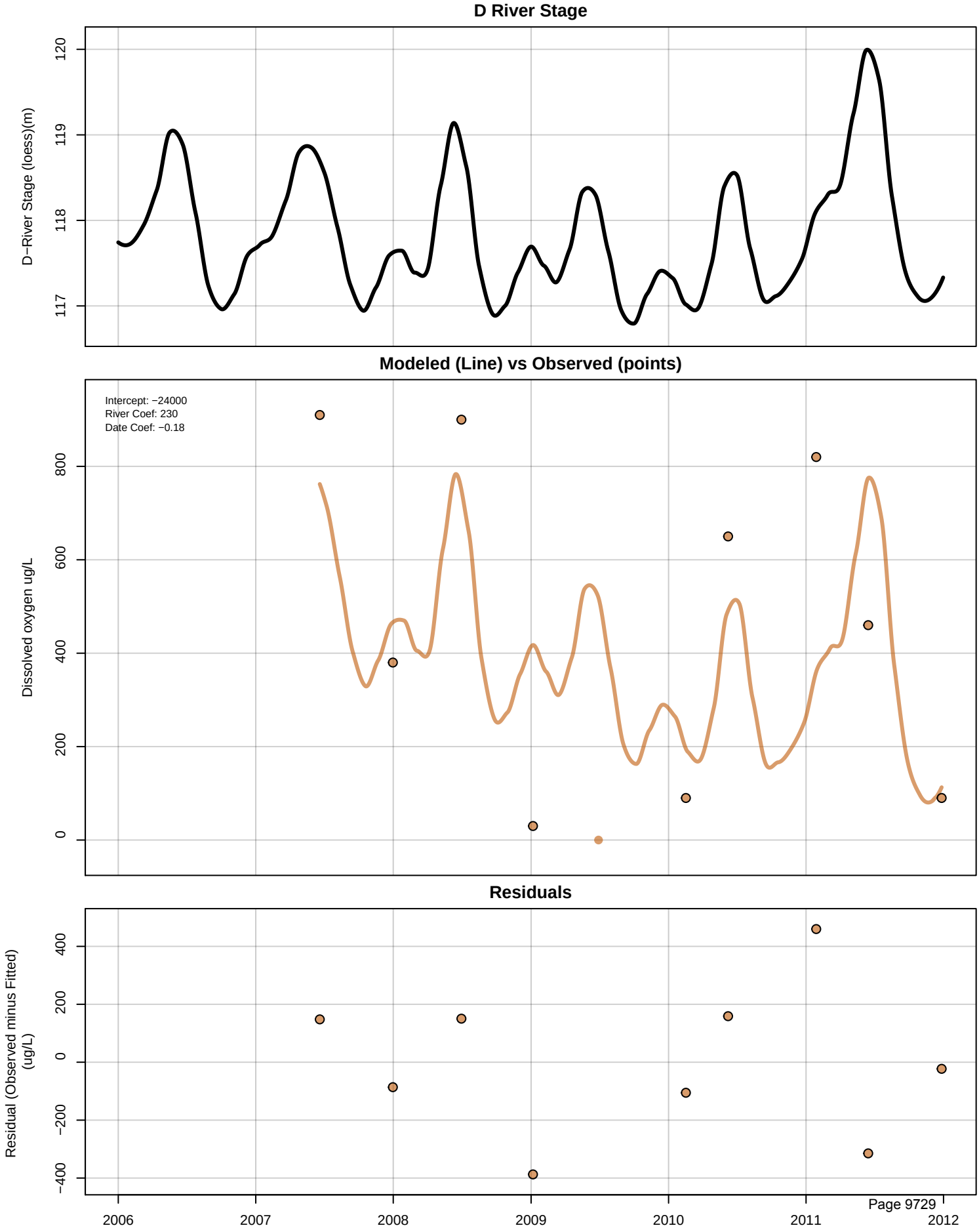


399−1−7 (188m) Lag (13 Days)

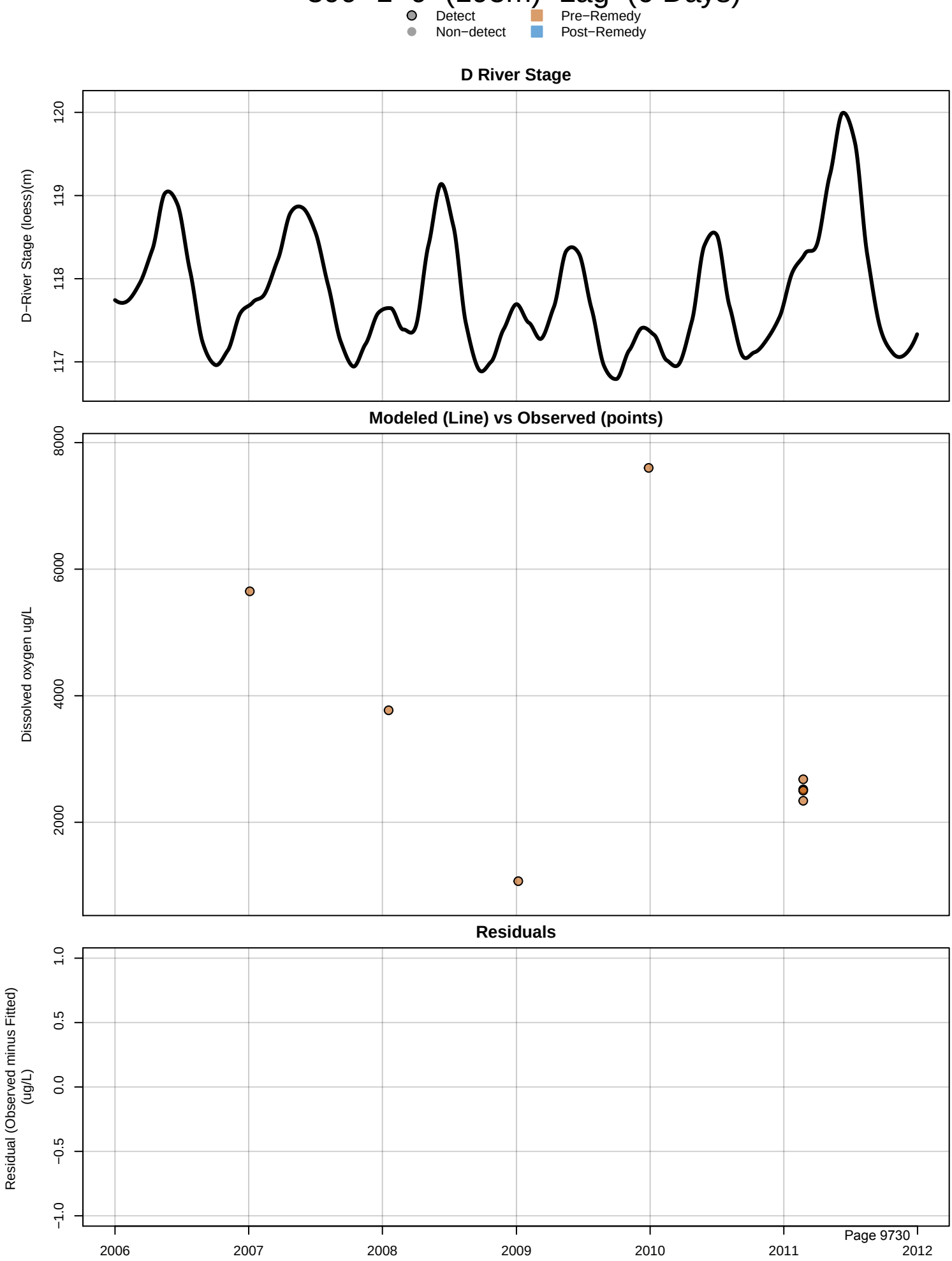


399−1−8 (191m) Lag (6 Days)

Detect
Non−detect
Pre−Remedy
Post−Remedy

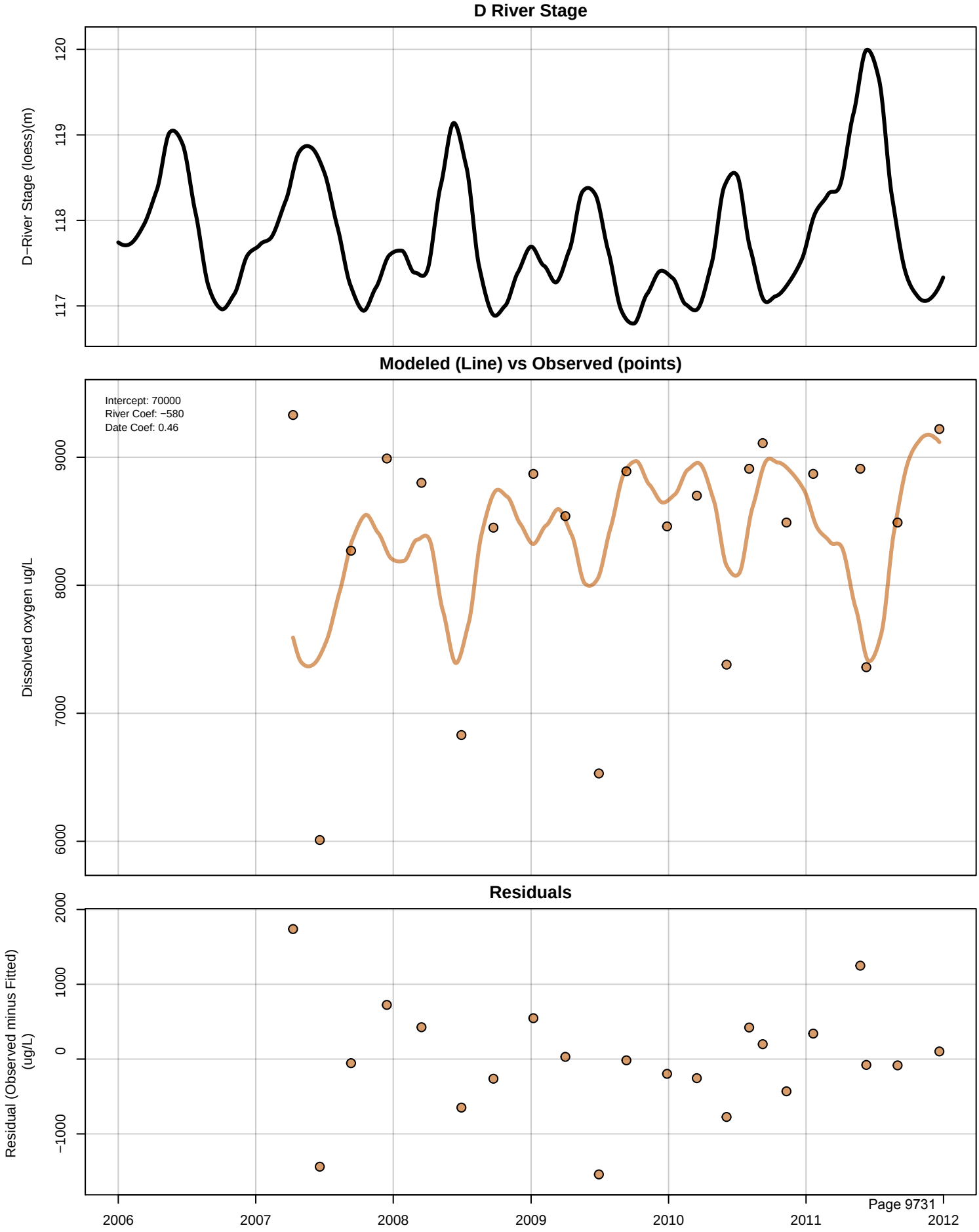


399−1−9 (195m) Lag (6 Days)



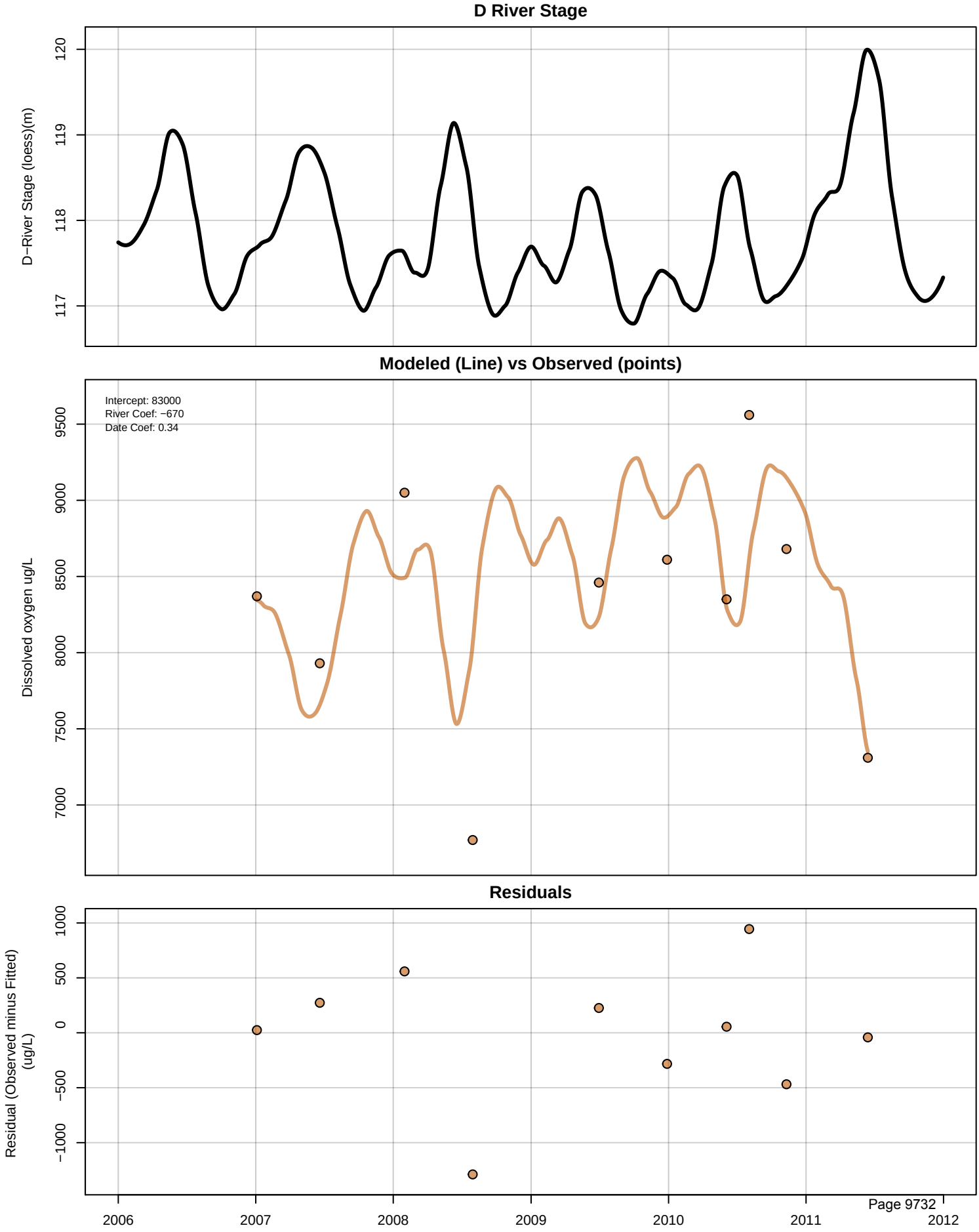
399−2−1 (47m) Lag (6 Days)

Detect
Non−detect
Pre−Remedy
Post−Remedy

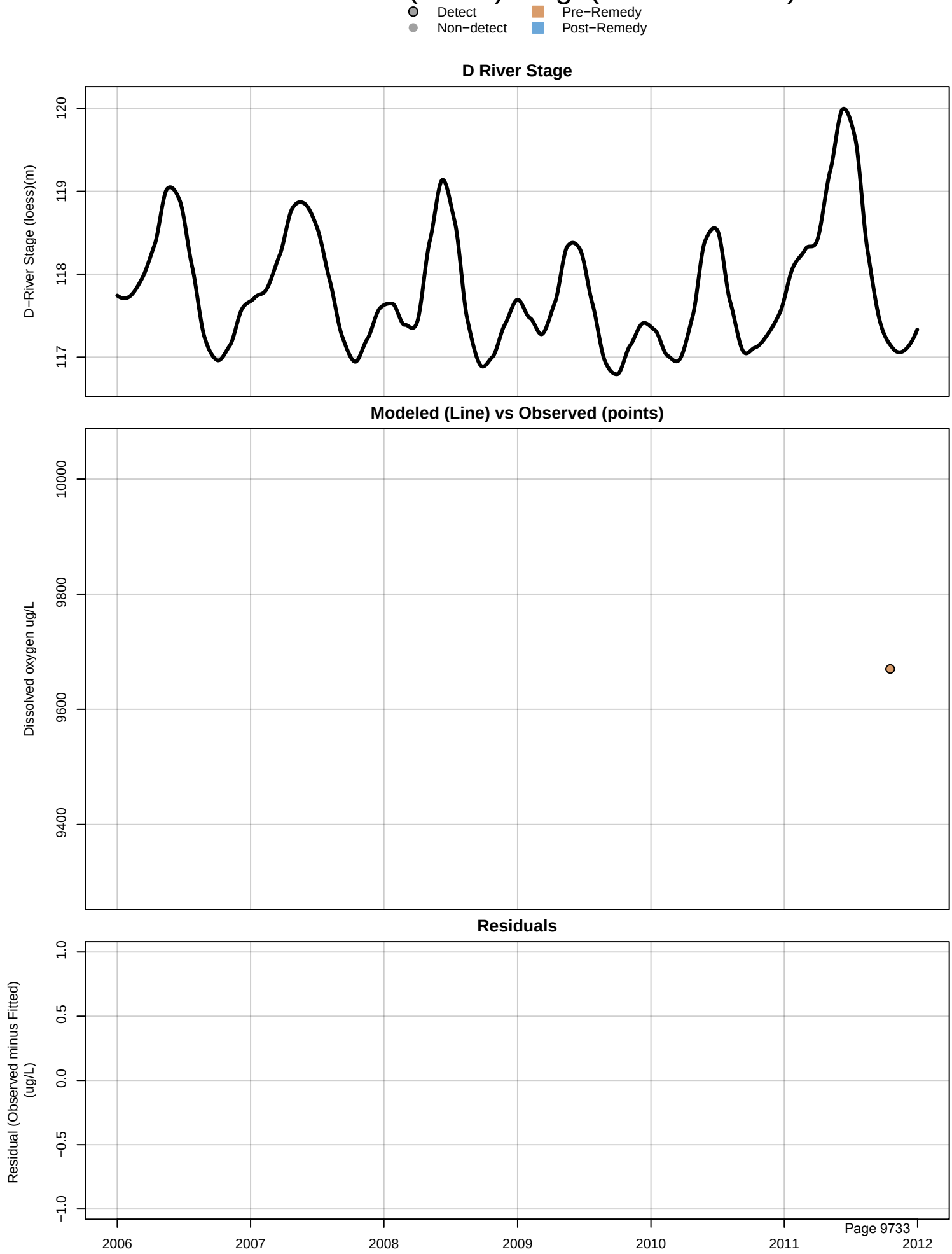


399−2−2 (78m) Lag (8 Days)

Detect
Non−detect
Pre−Remedy
Post−Remedy

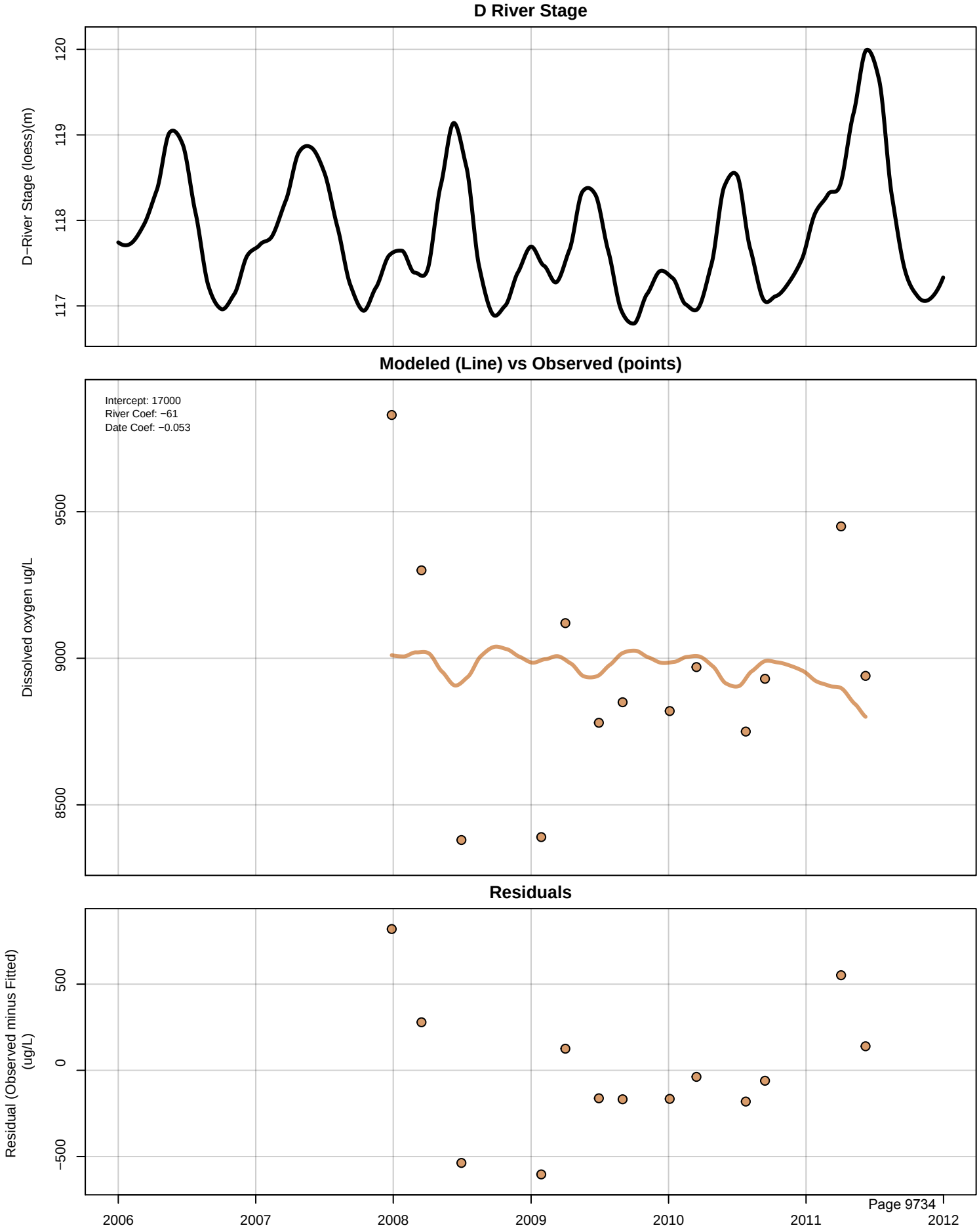


399−2−32 (201m) Lag (Indeterminate)



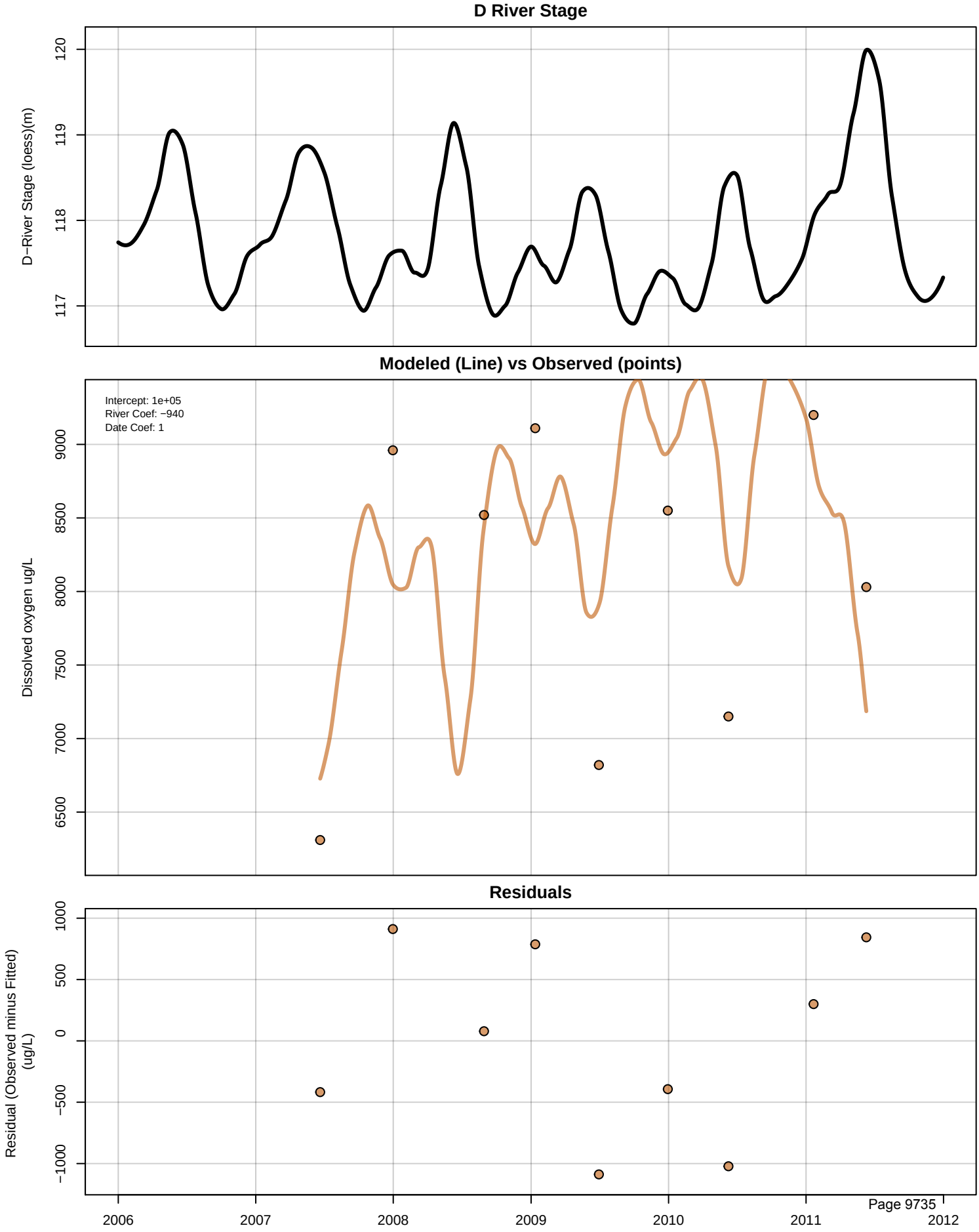
399−2−5 (234m) Lag (4 Days)

Detect
Non−detect
Pre−Remedy
Post−Remedy



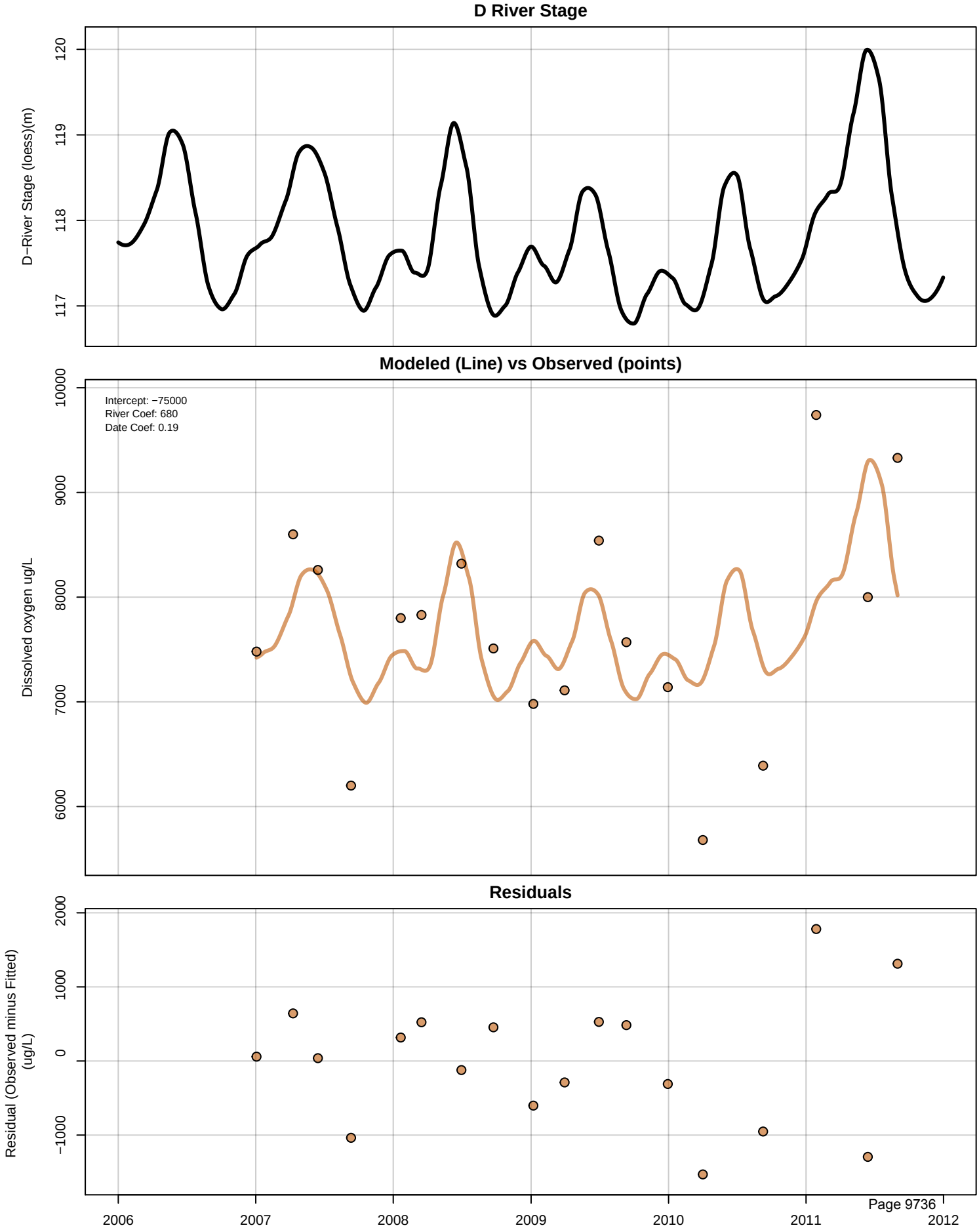
399−3−1 (52m) Lag (11 Days)

Detect
Non−detect
Pre−Remedy
Post−Remedy



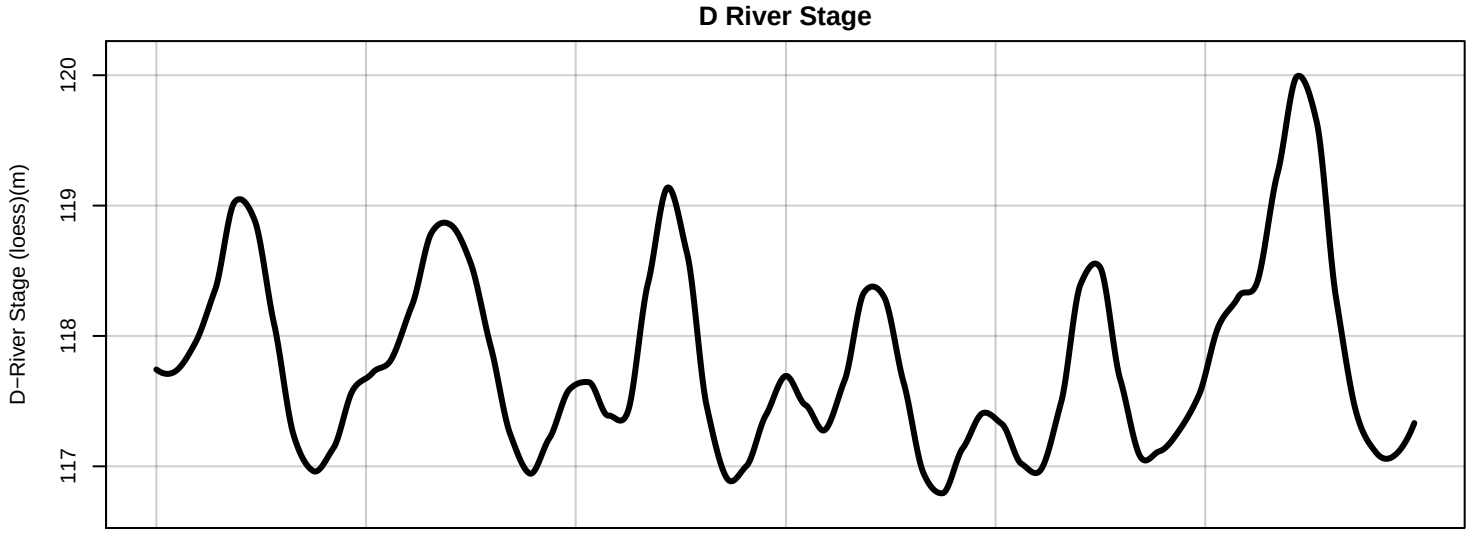
399−3−10 (51m) Lag (7 Days)

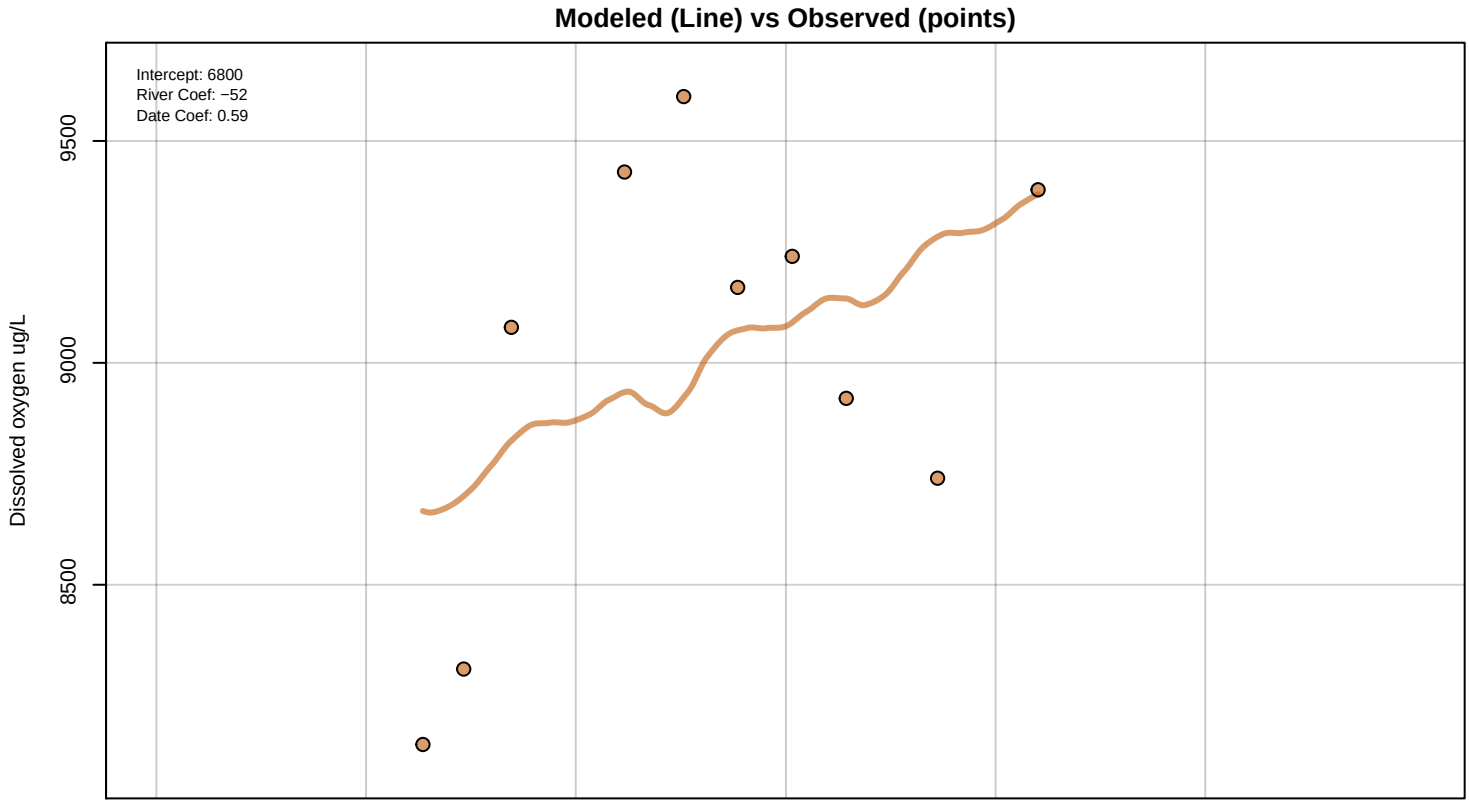
Detect
Non−detect
Pre−Remedy
Post−Remedy

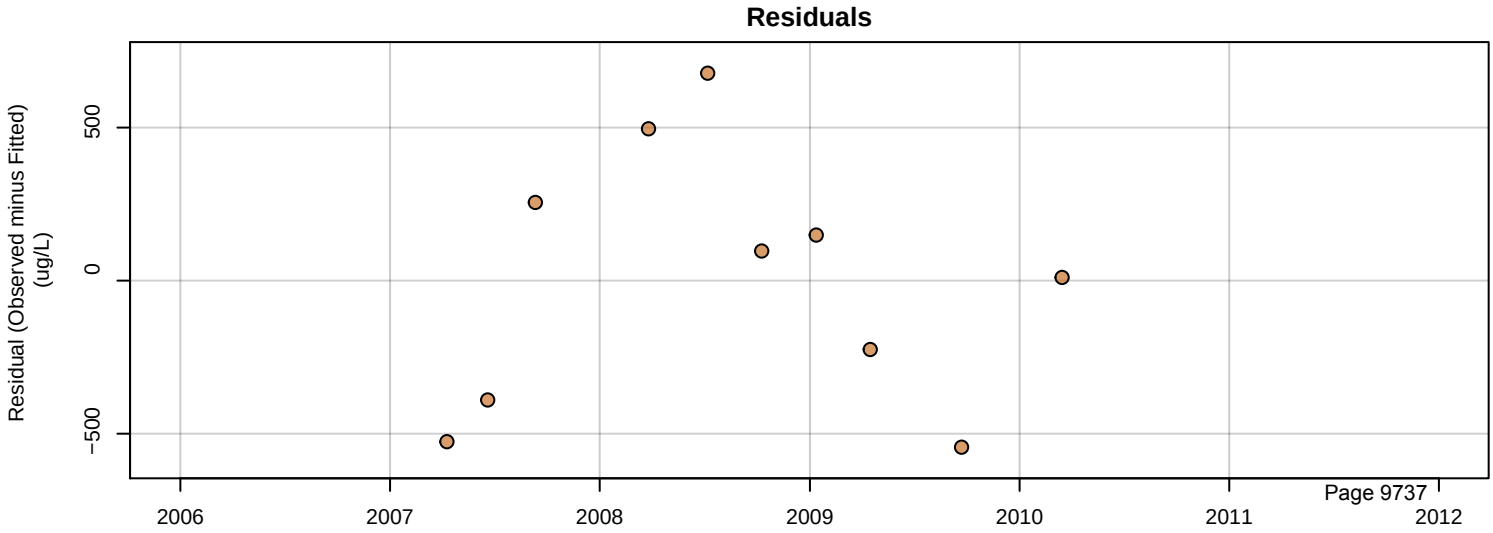


399−3−11 (271m) Lag (1 Days)

Detect
Non−detect
Pre−Remedy
Post−Remedy

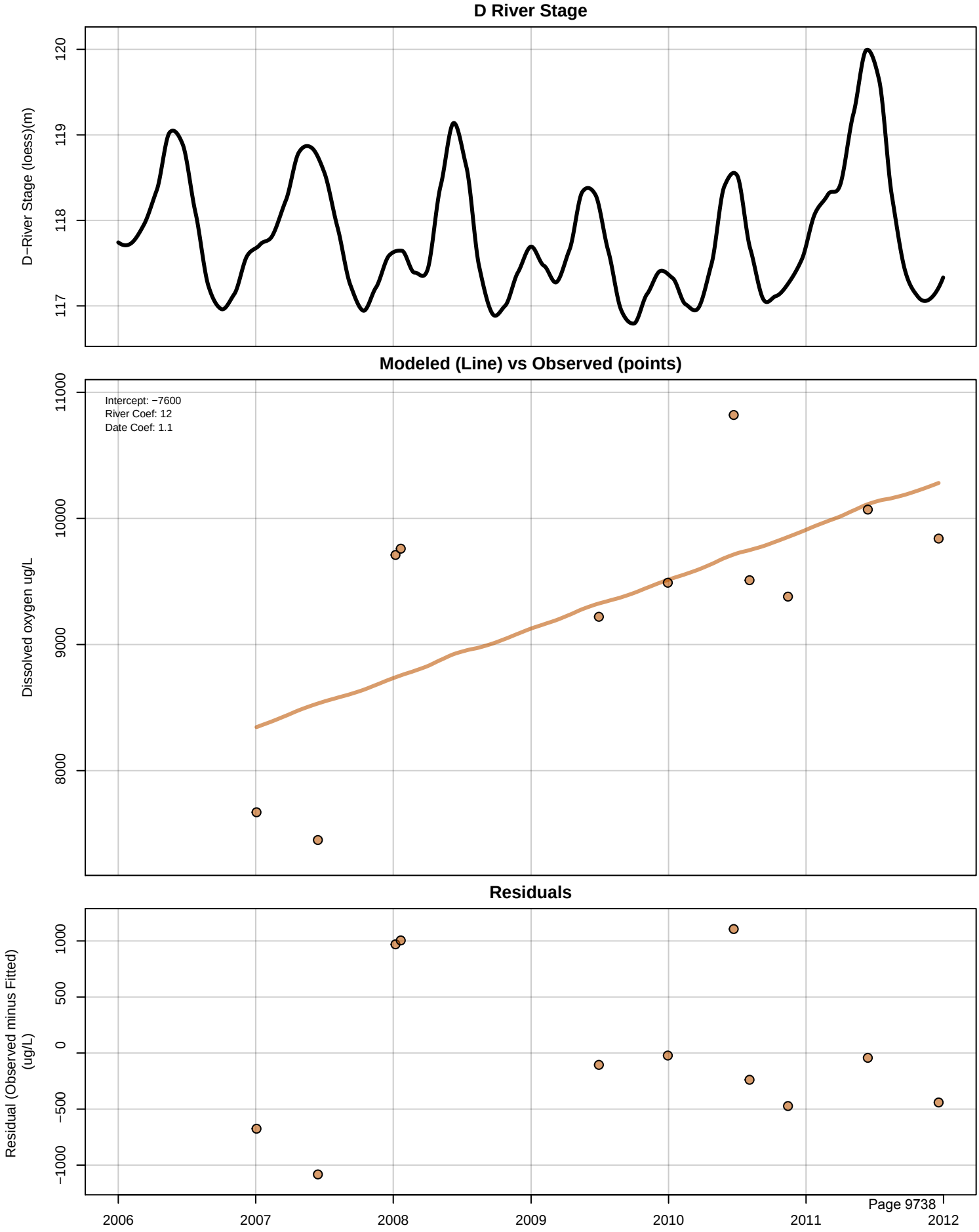






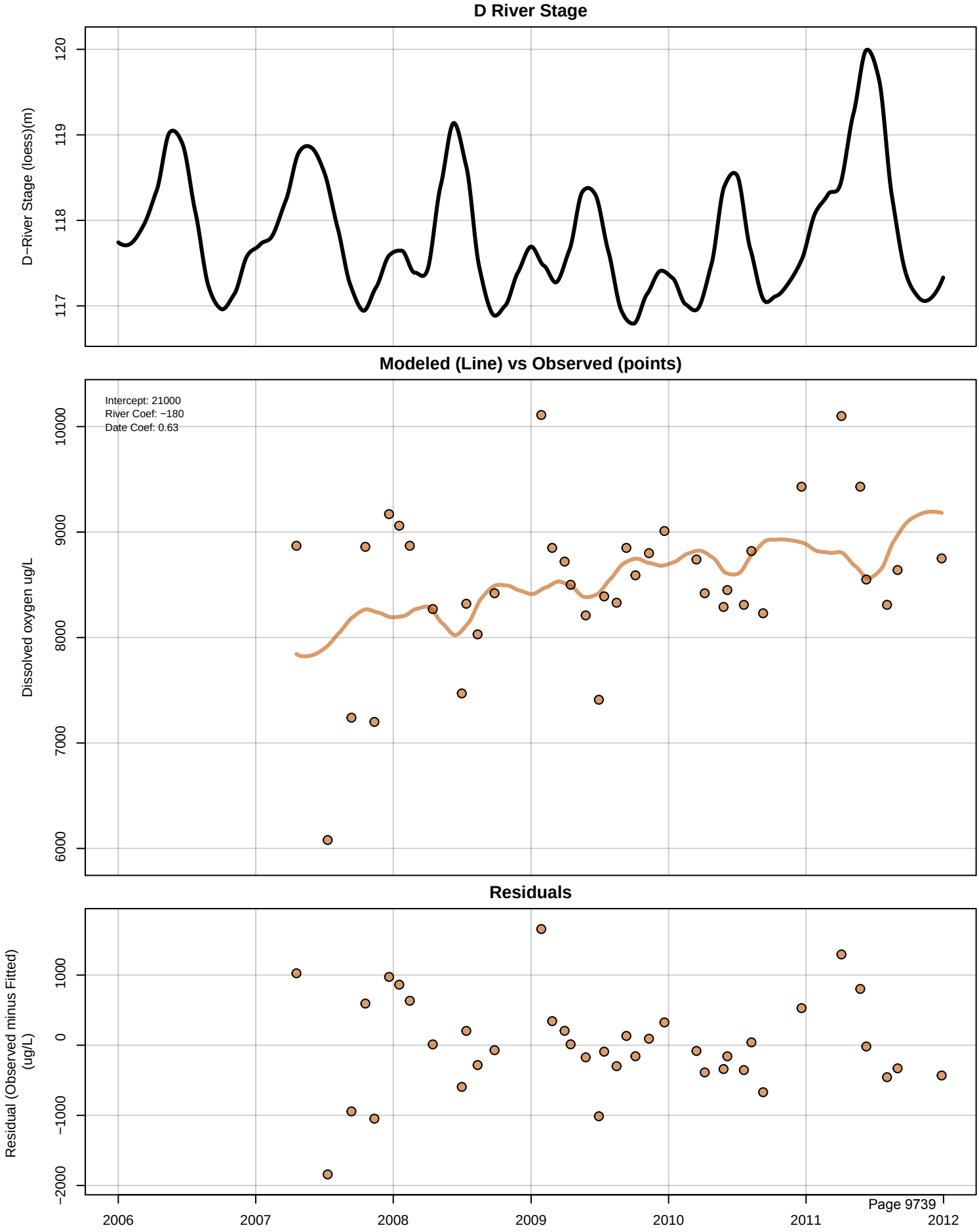
399−3−12 (326m) Lag (0 Days)

Detect
Non−detect
Pre−Remedy
Post−Remedy



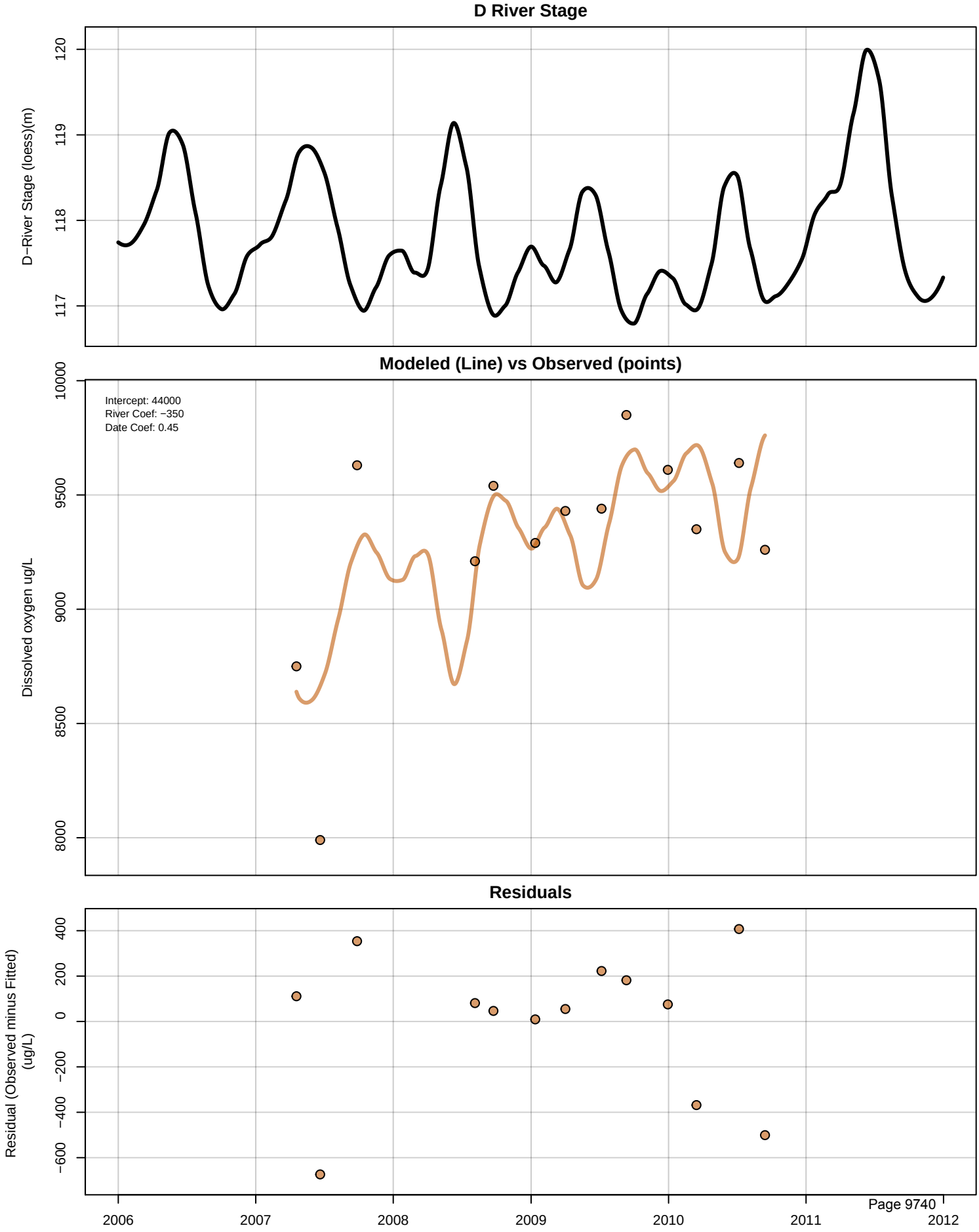
399−3−18 (65m) Lag (5 Days)

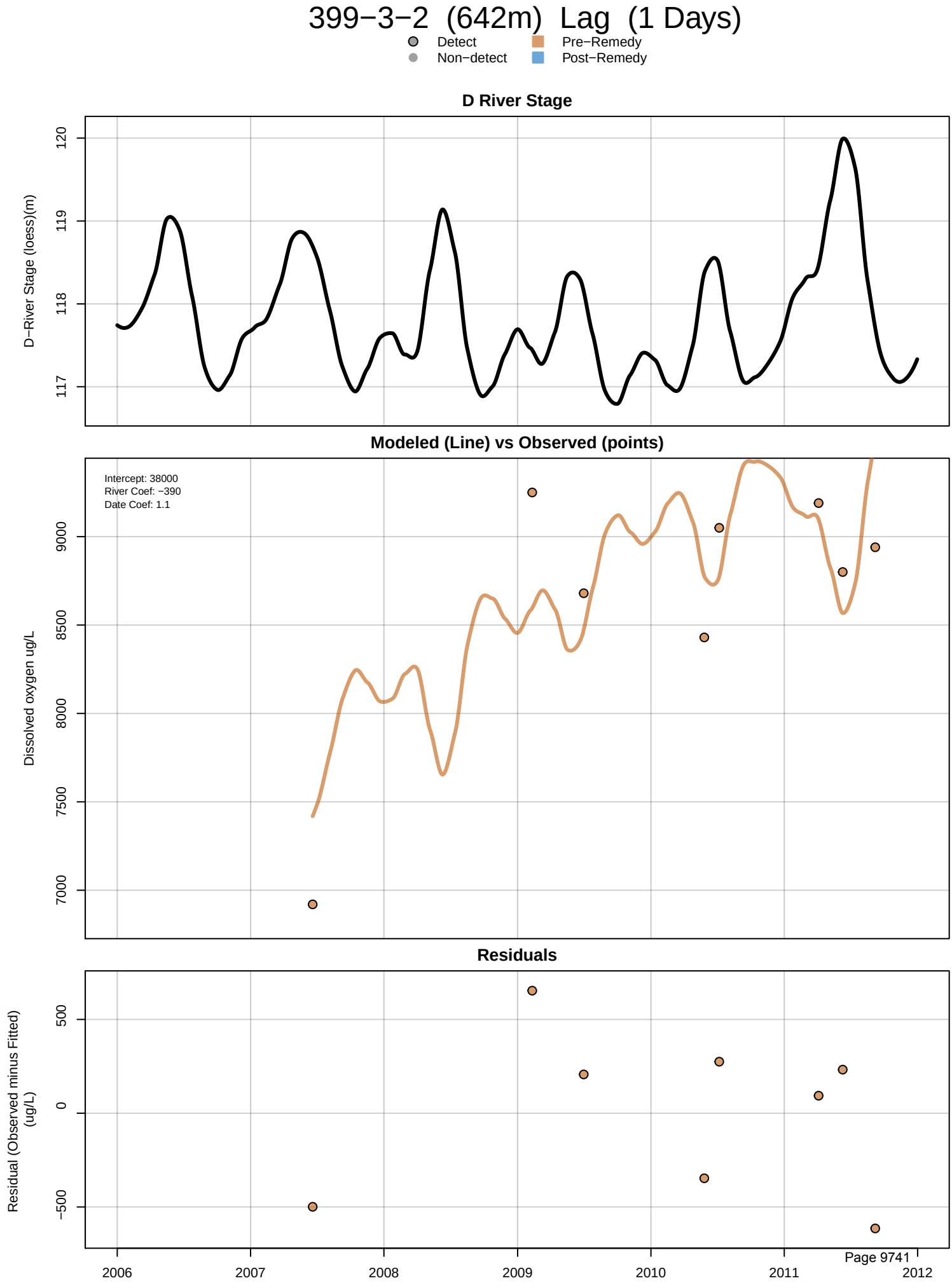
Detect
Non−detect
Pre−Remedy
Post−Remedy



399−3−19 (452m) Lag (2 Days)

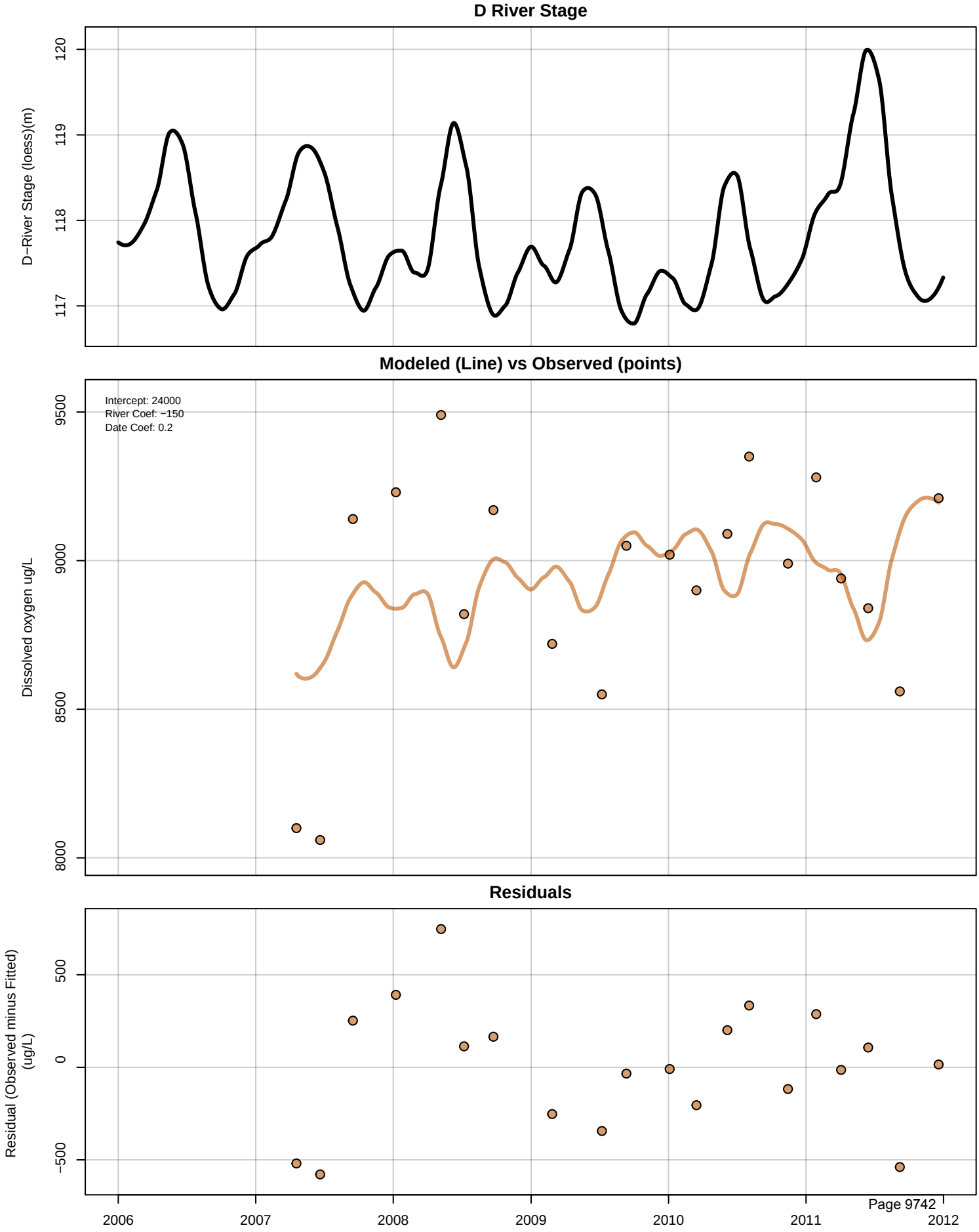
Detect
Non−detect
Pre−Remedy
Post−Remedy



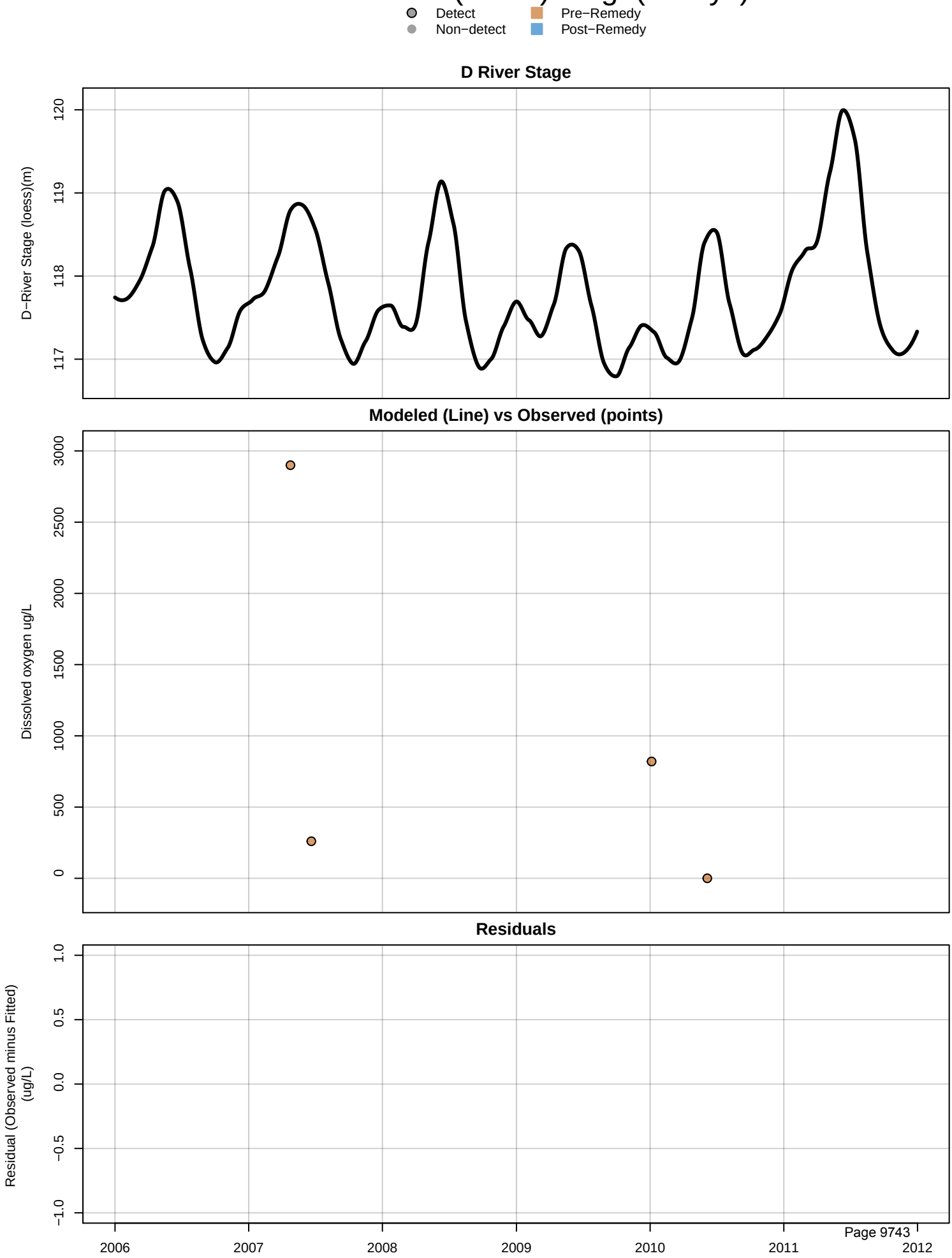

399−3−2 (642m) Lag (1 Days)
Detect
Non−detect
Pre−Remedy
Post−Remedy
D River Stage
D−River Stage (loess)(m)
120
119
118
117
Modeled (Line) vs Observed (points)
Intercept: 38000
River Coef: −390
Date Coef: 1.1
Dissolved oxygen ug/L
9000
8500
8000
7500
7000
Residuals
Residual (Observed minus Fitted) (ug/L)
500
0
−500
2006
2007
2008
2009
2010
2011
2012

399−3−20 (201m) Lag (0 Days)

Detect
Non−detect
Pre−Remedy
Post−Remedy

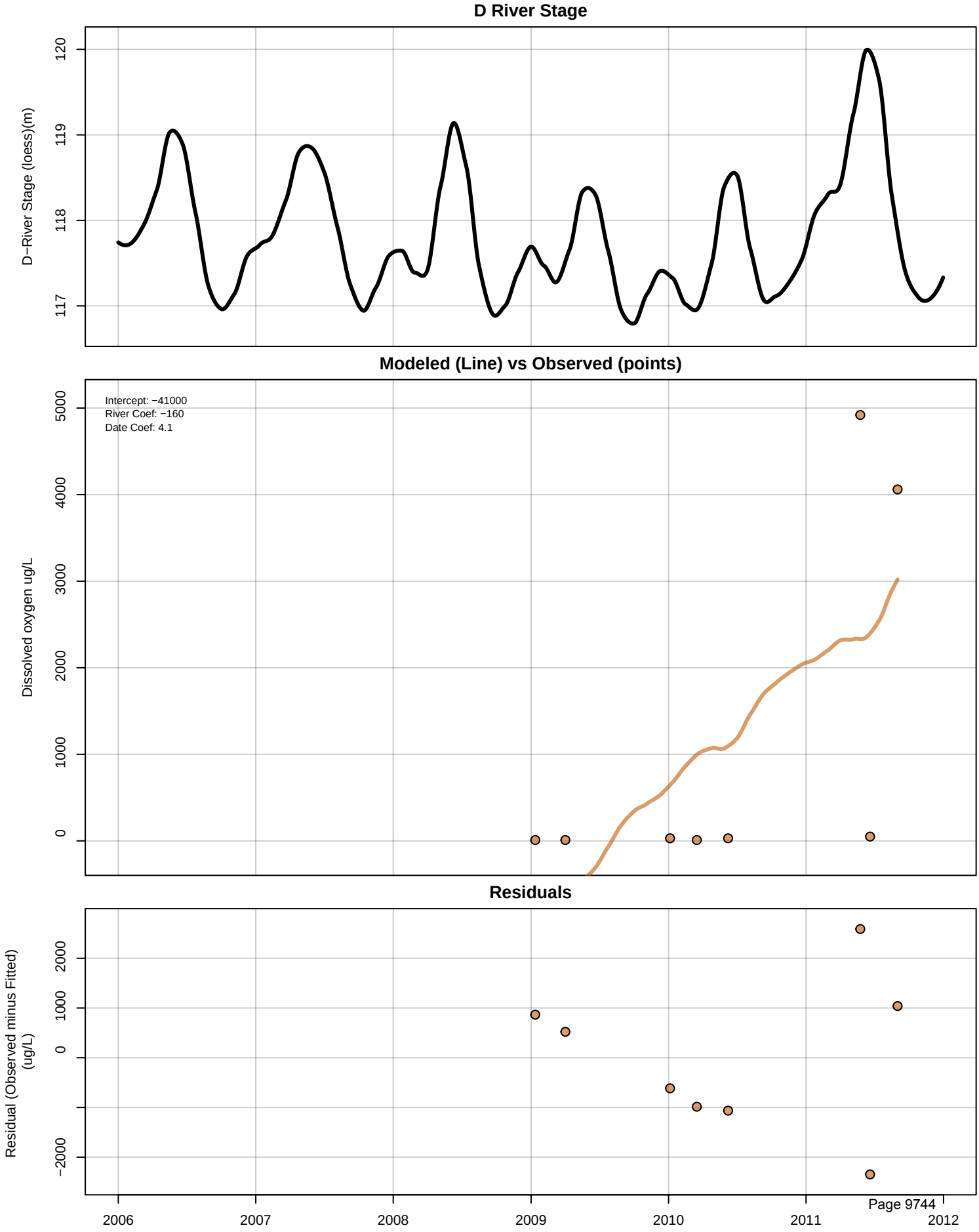


399−3−21 (196m) Lag (8 Days)

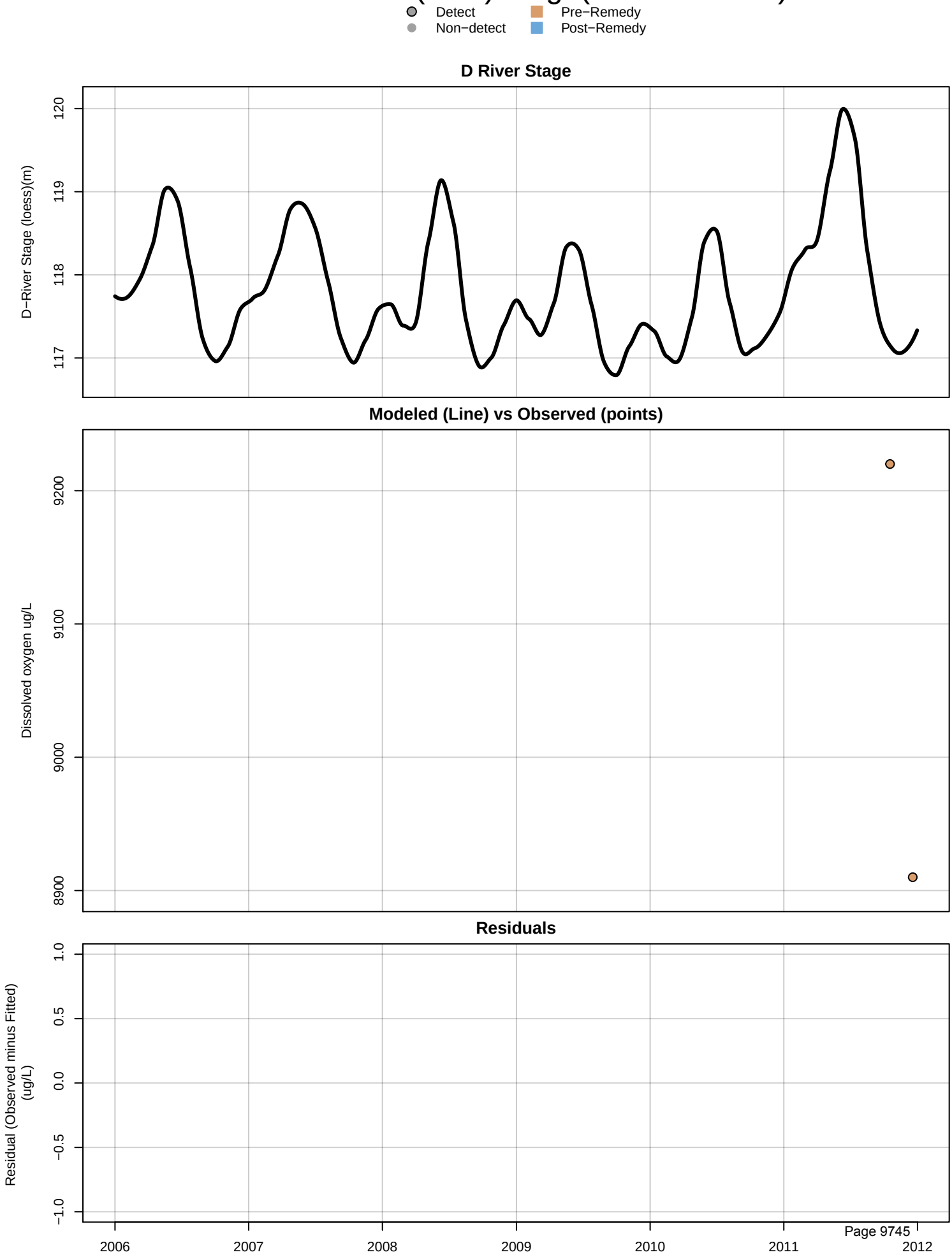


399−3−22 (322m) Lag (0 Days)

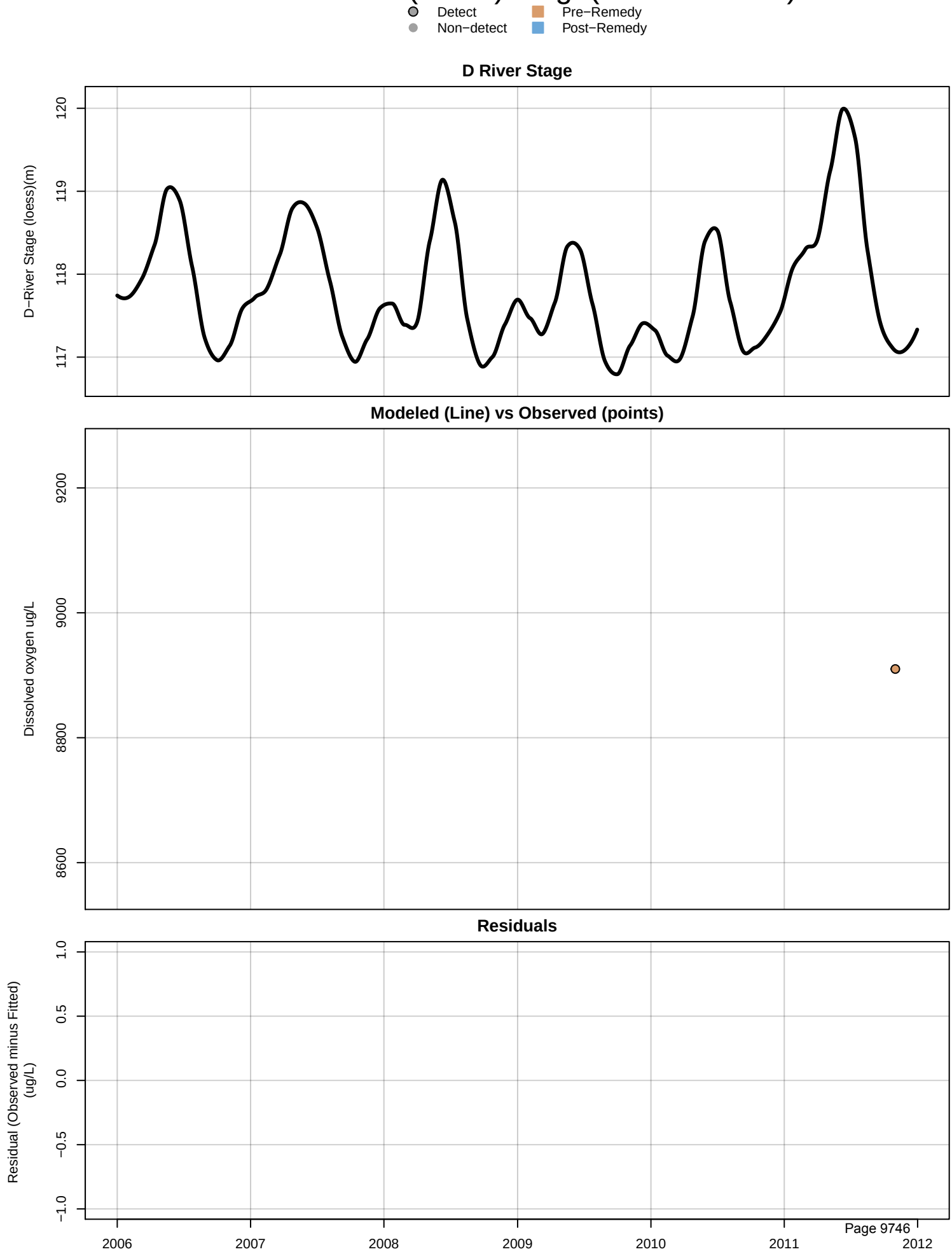
Detect
Non−detect
Pre−Remedy
Post−Remedy



399−3−33 (45m) Lag (Indeterminate)

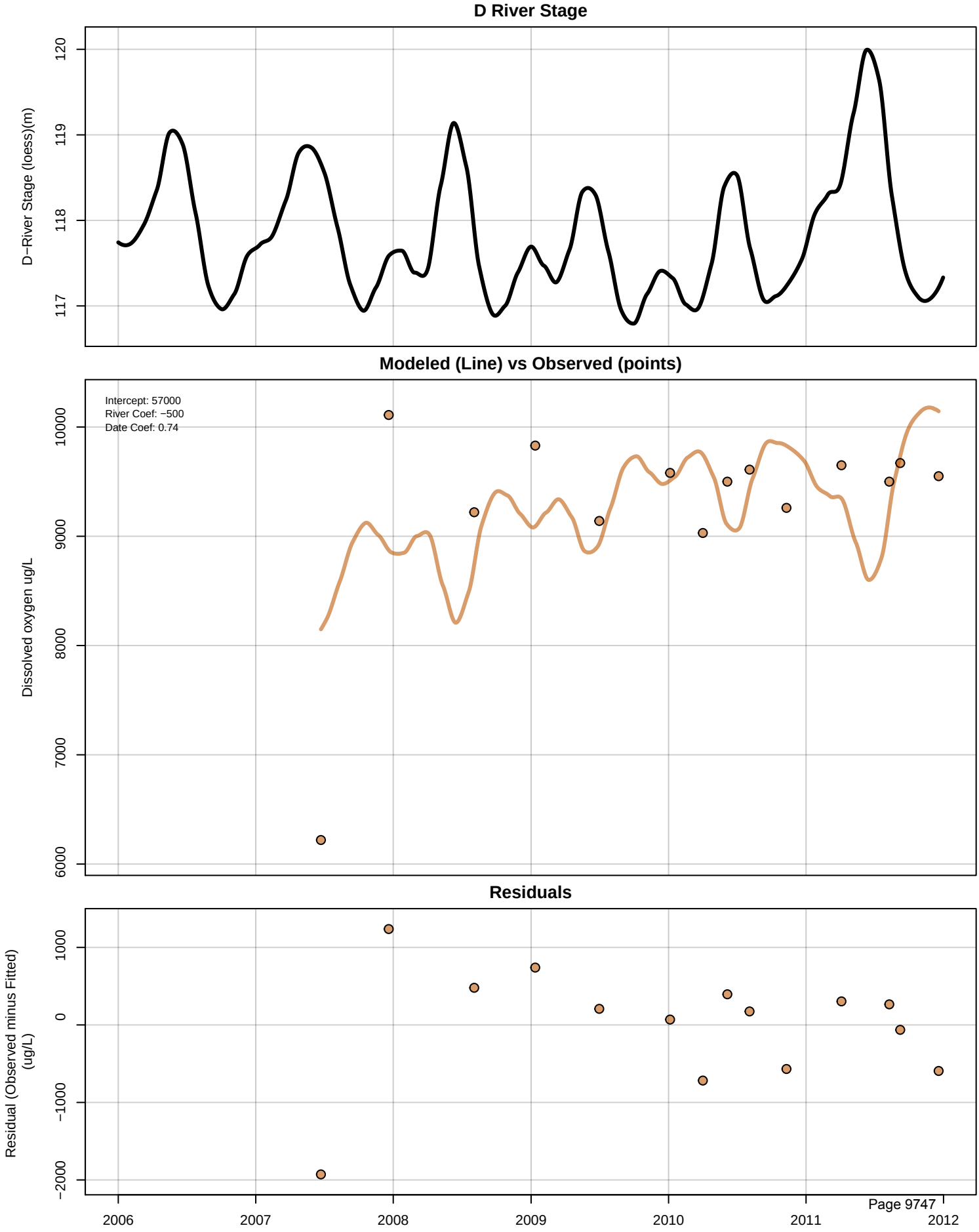


399−3−38 (205m) Lag (Indeterminate)



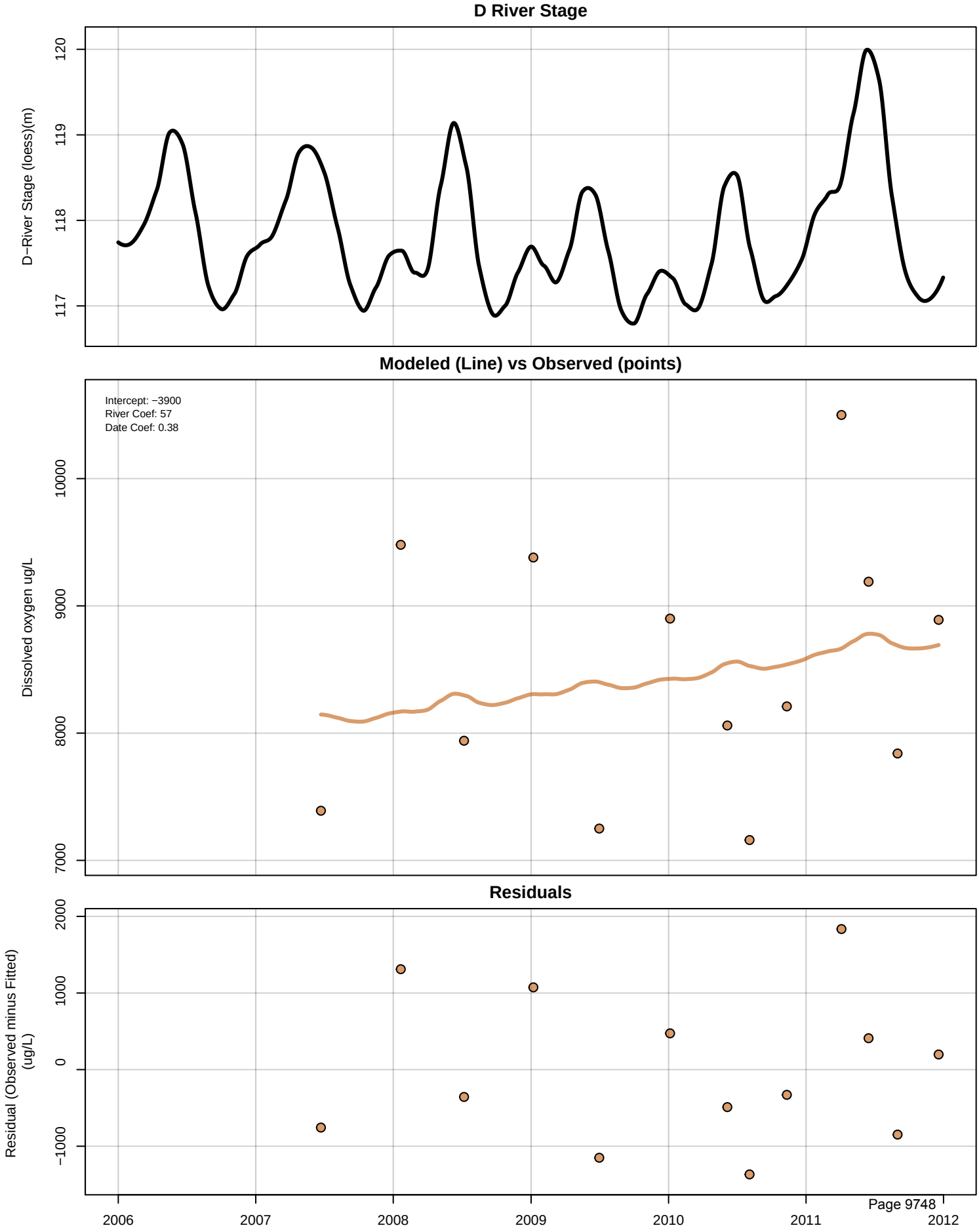
399−3−6 (608m) Lag (6 Days)

Detect
Non−detect
Pre−Remedy
Post−Remedy



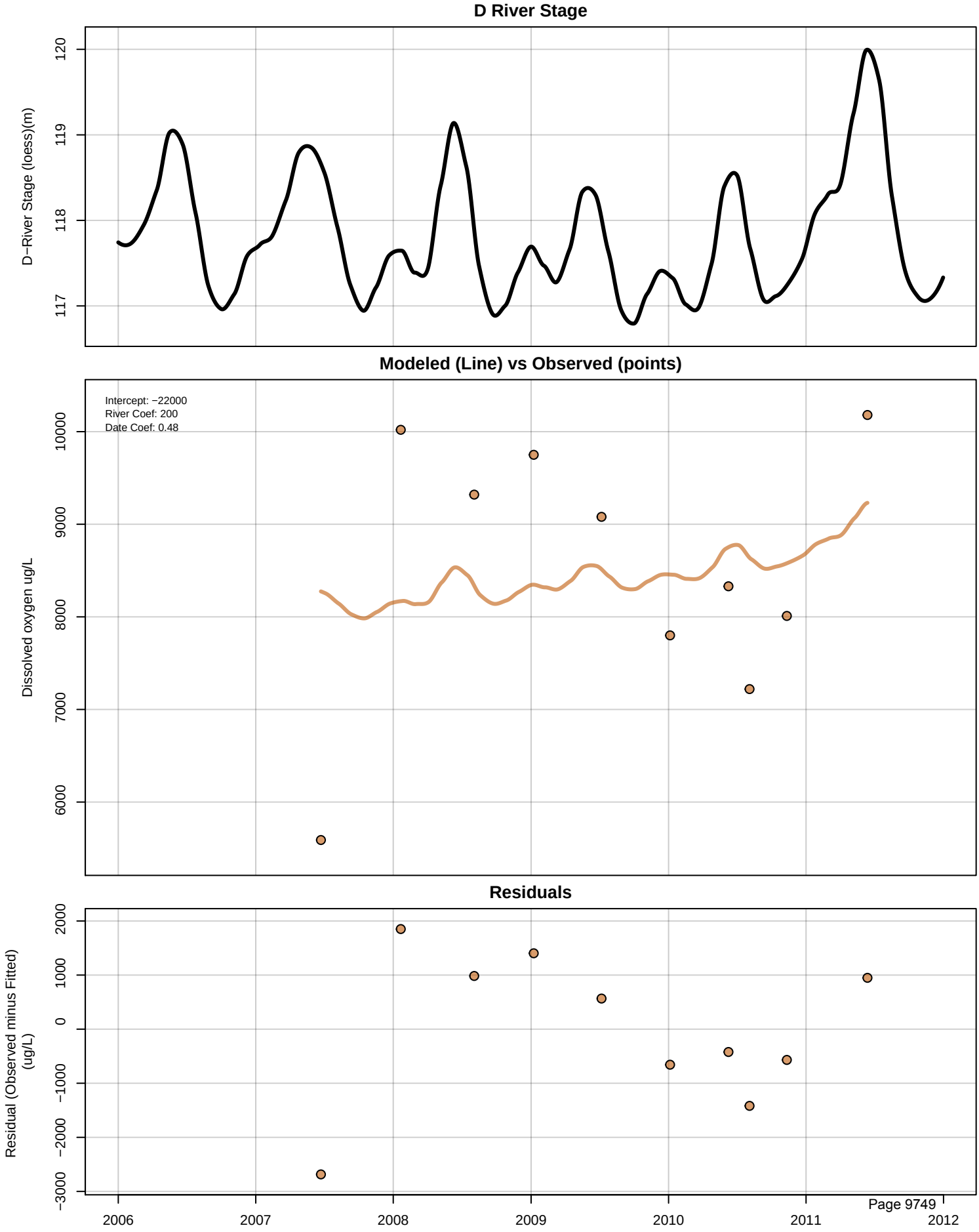
399−3−9 (57m) Lag (0 Days)

Detect
Non−detect
Pre−Remedy
Post−Remedy



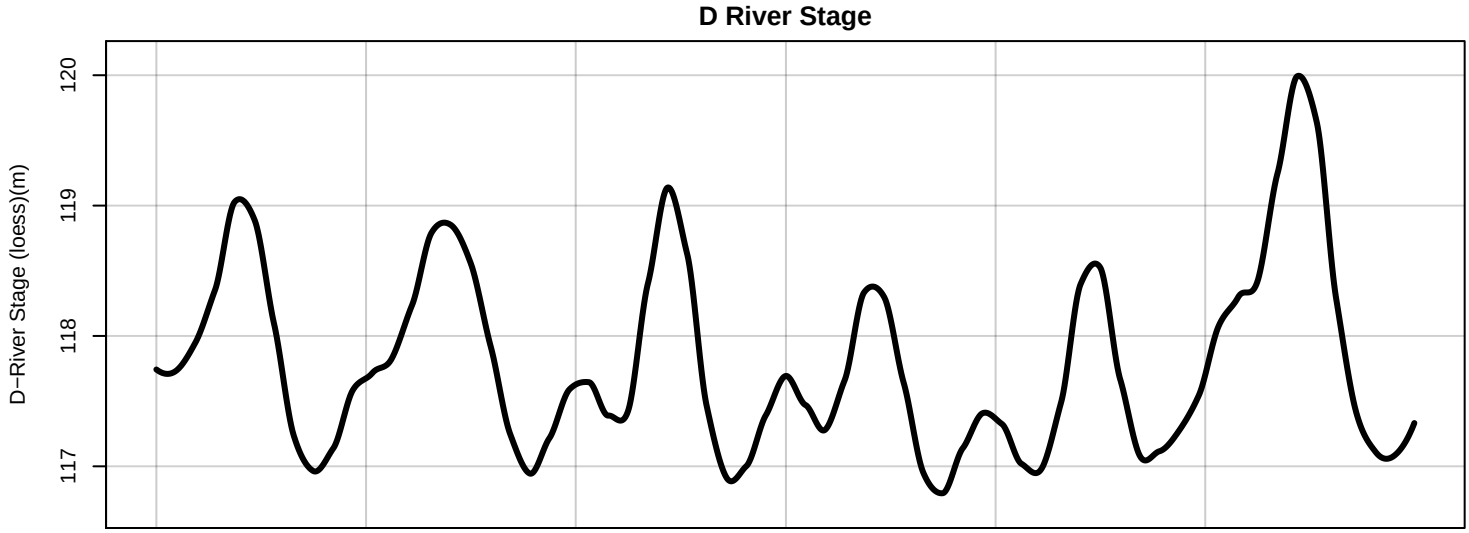
399−4−1 (372m) Lag (3 Days)

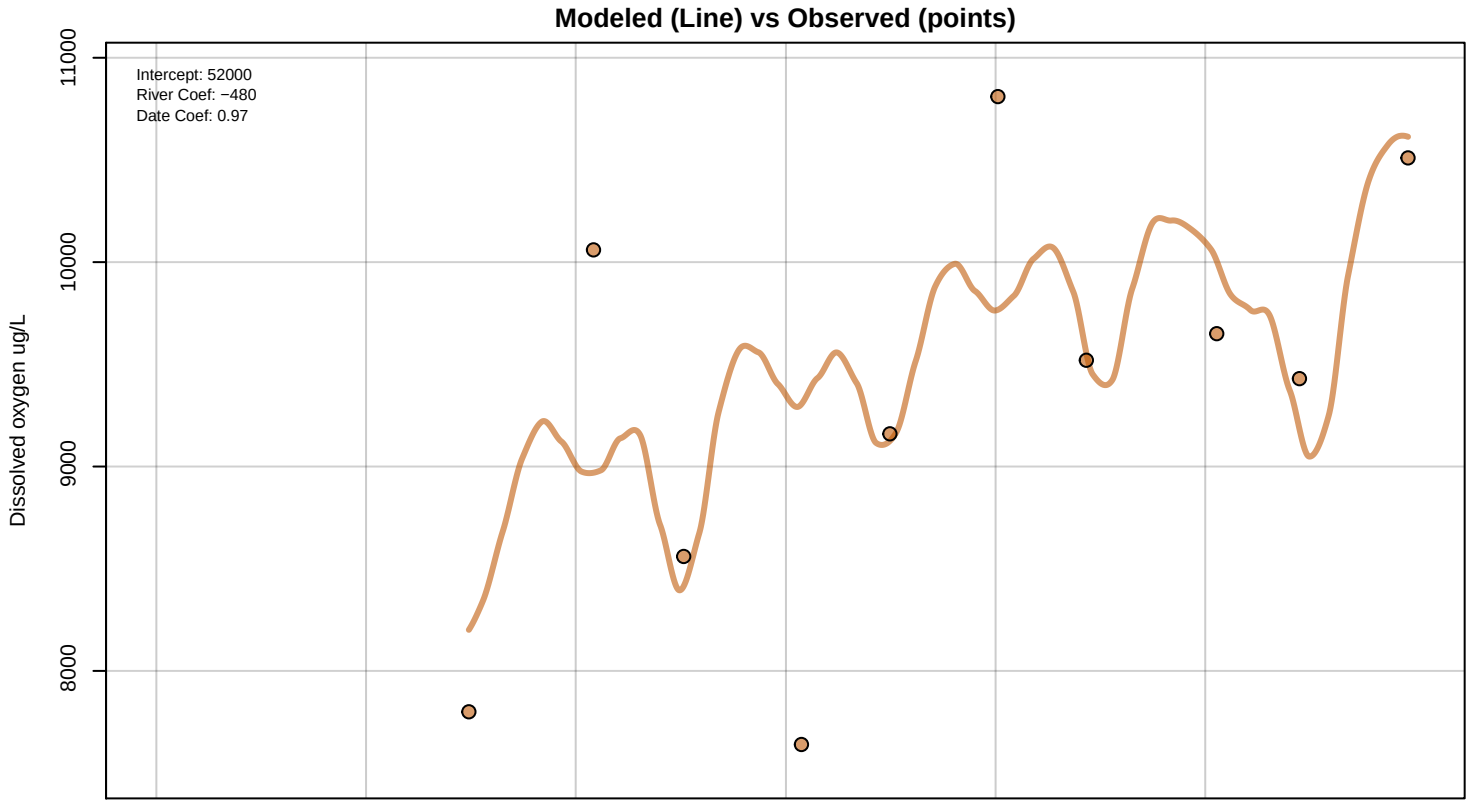
Detect
Non−detect
Pre−Remedy
Post−Remedy

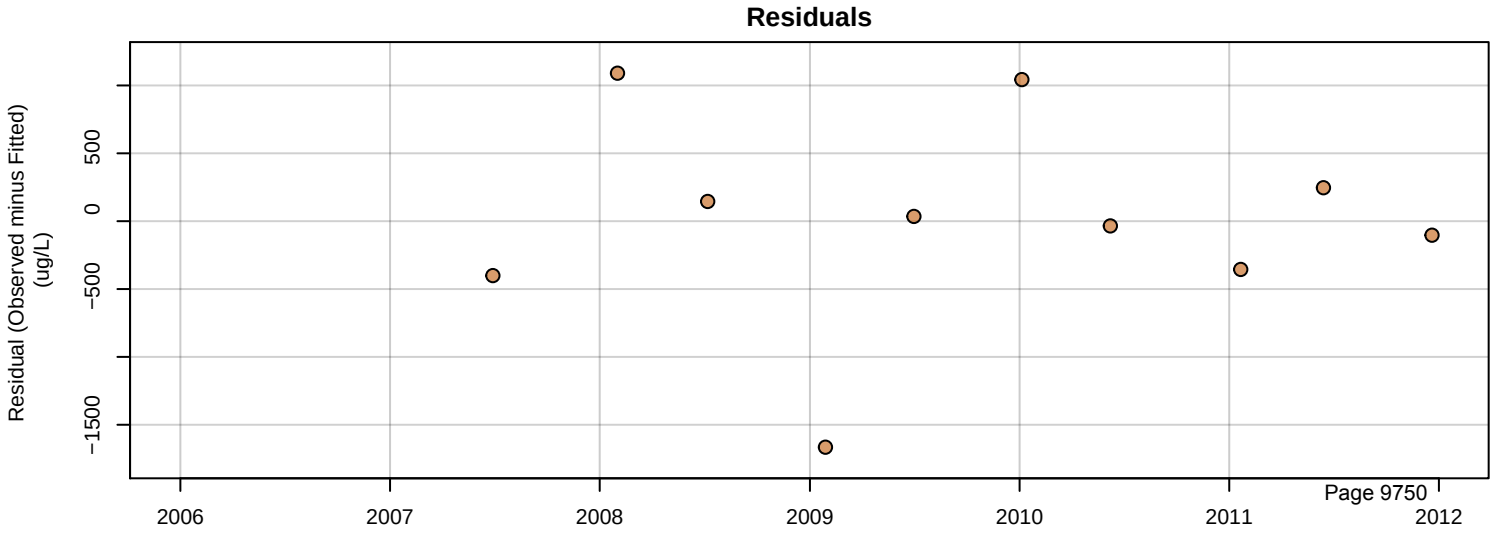


399−4−10 (57m) Lag (21 Days)

Detect
Non−detect
Pre−Remedy
Post−Remedy

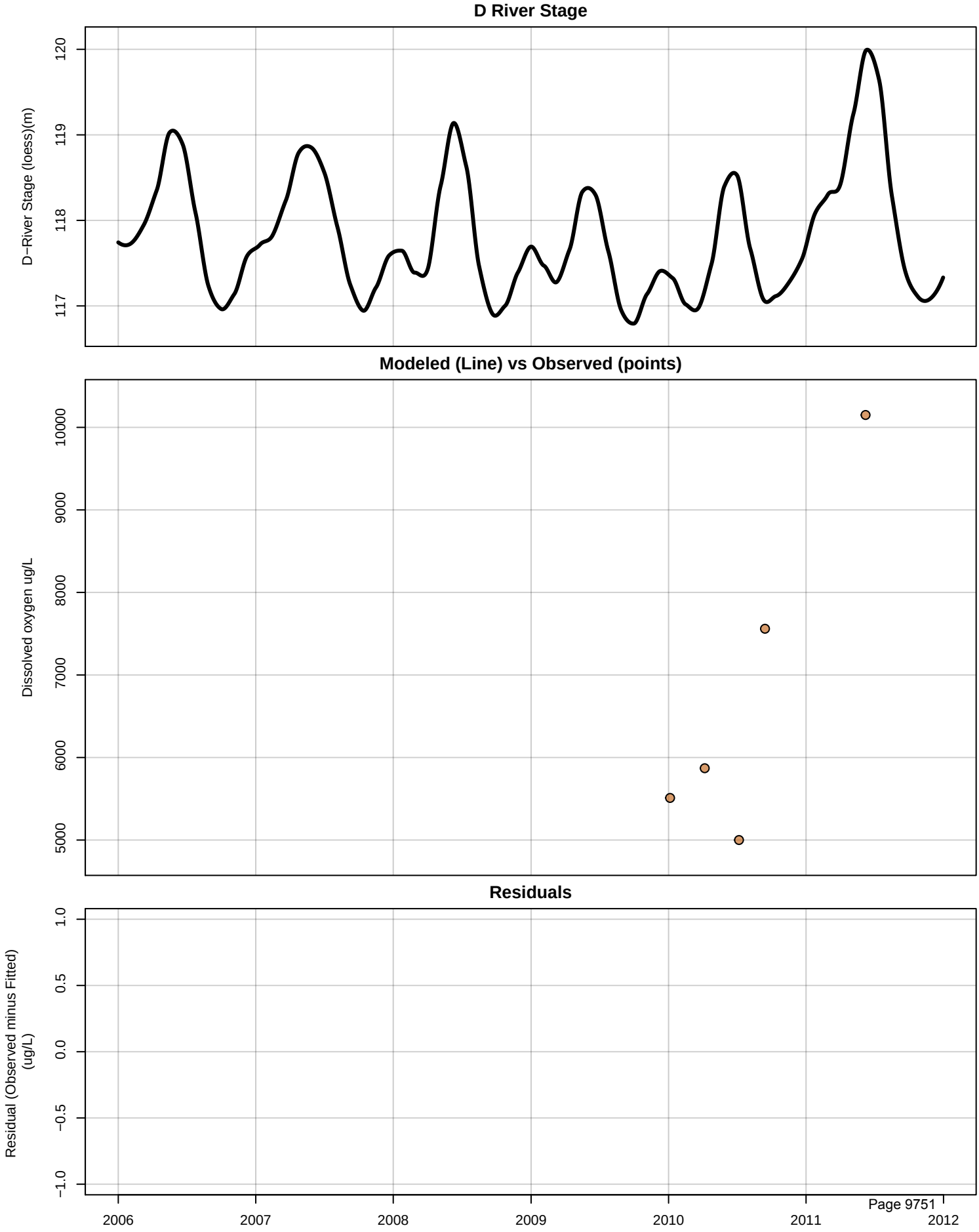




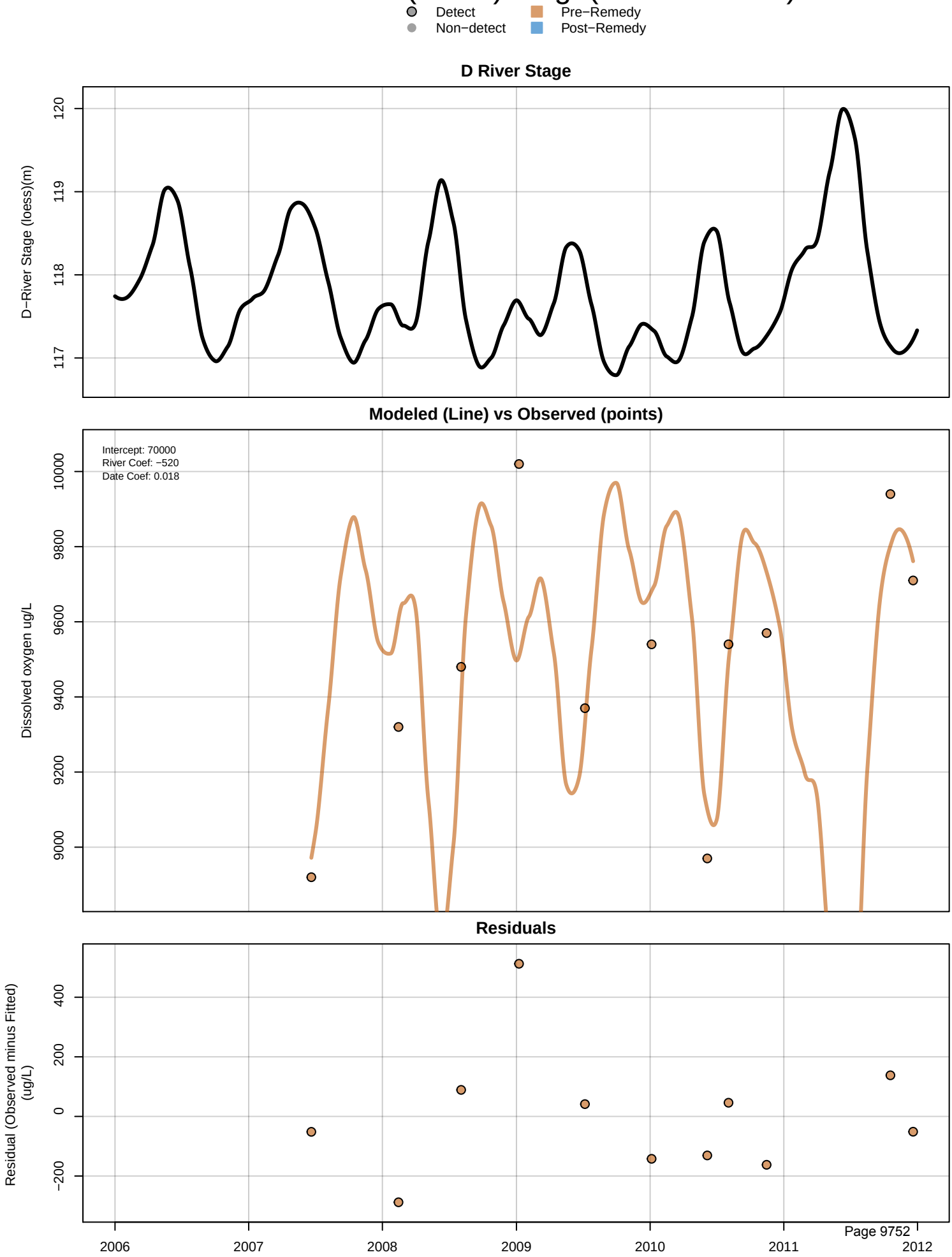


399−4−11 (499m) Lag (12 Days)

Detect
Non−detect
Pre−Remedy
Post−Remedy

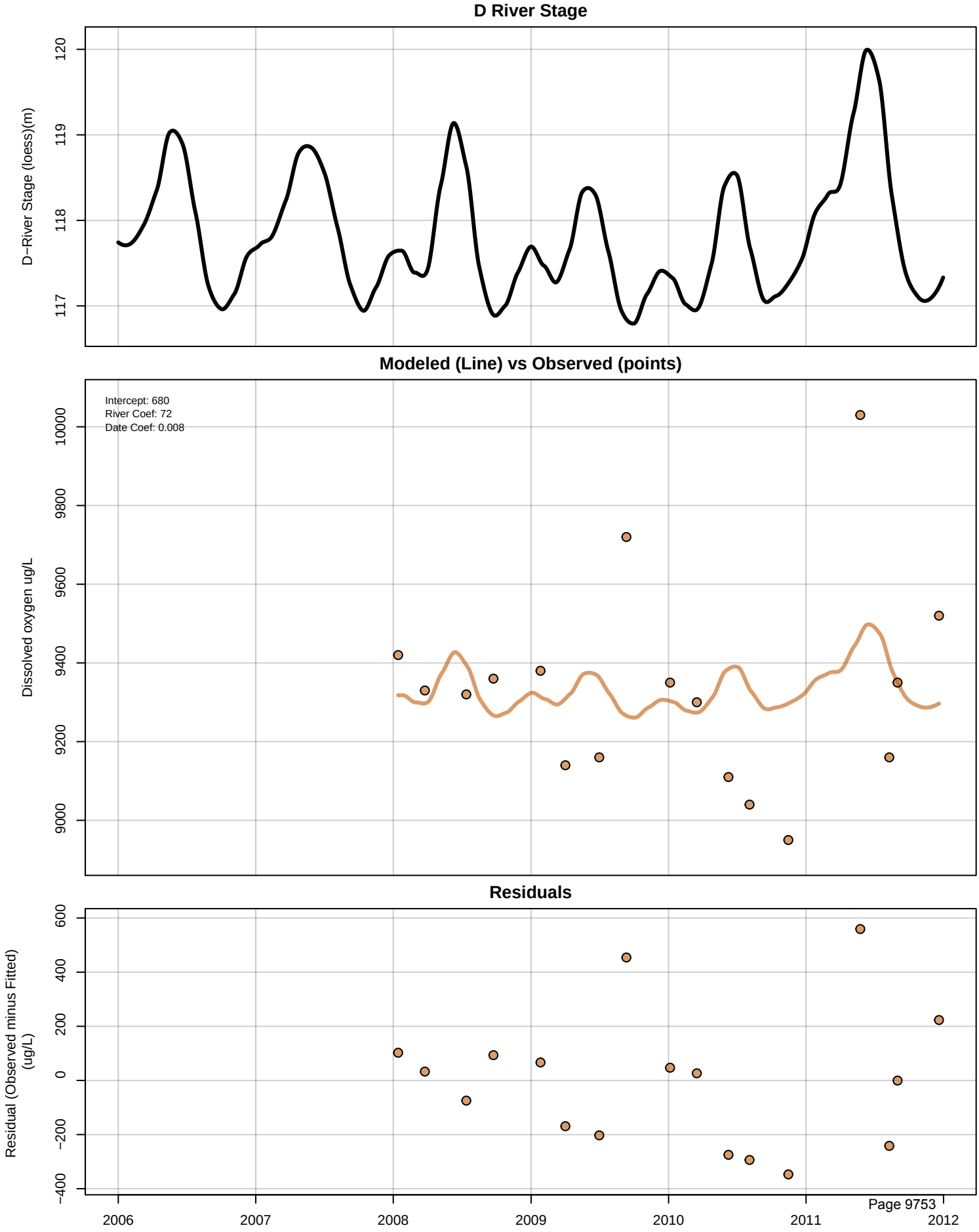


399−4−12 (151m) Lag (Indeterminate)

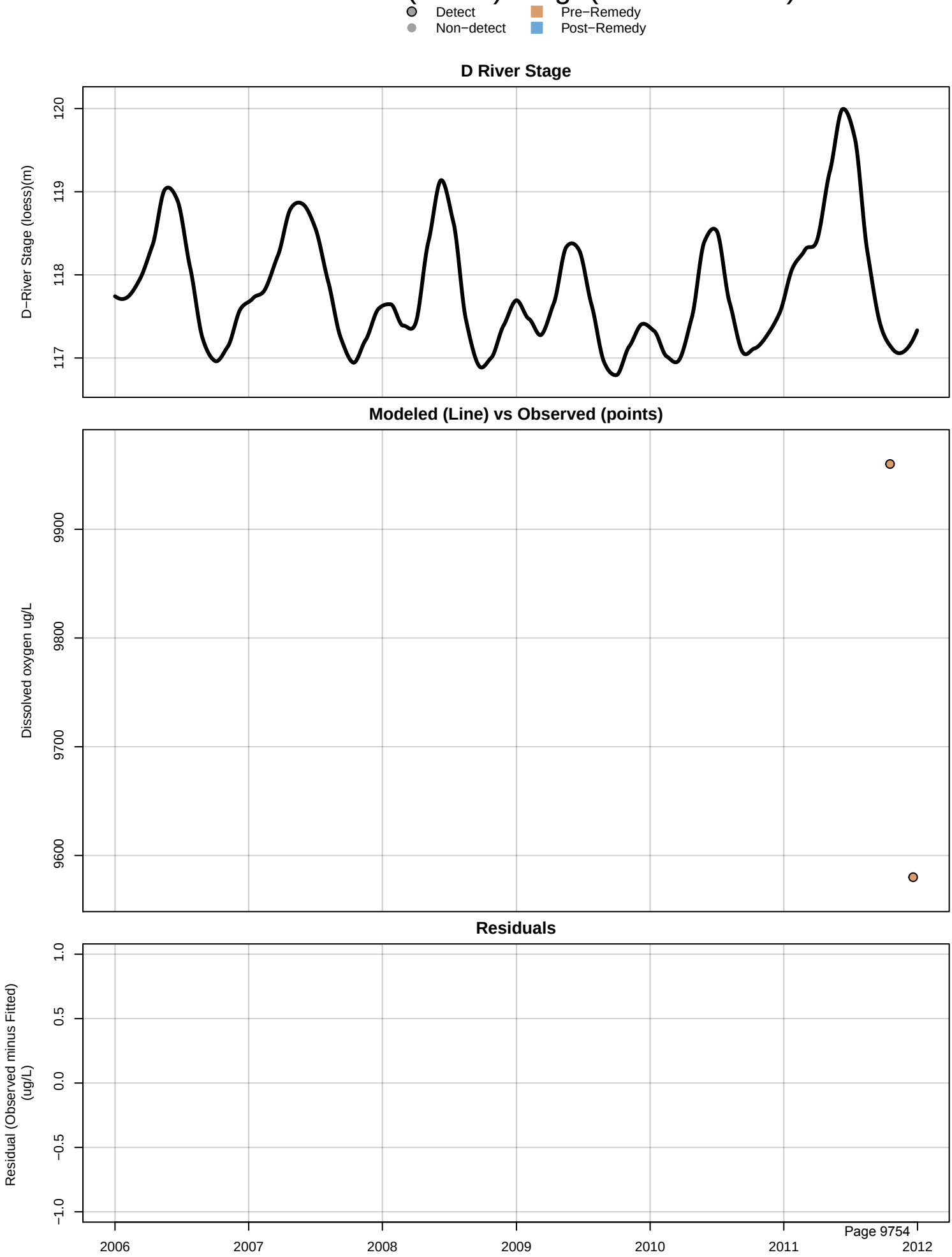


399−4−14 (235m) Lag (3 Days)

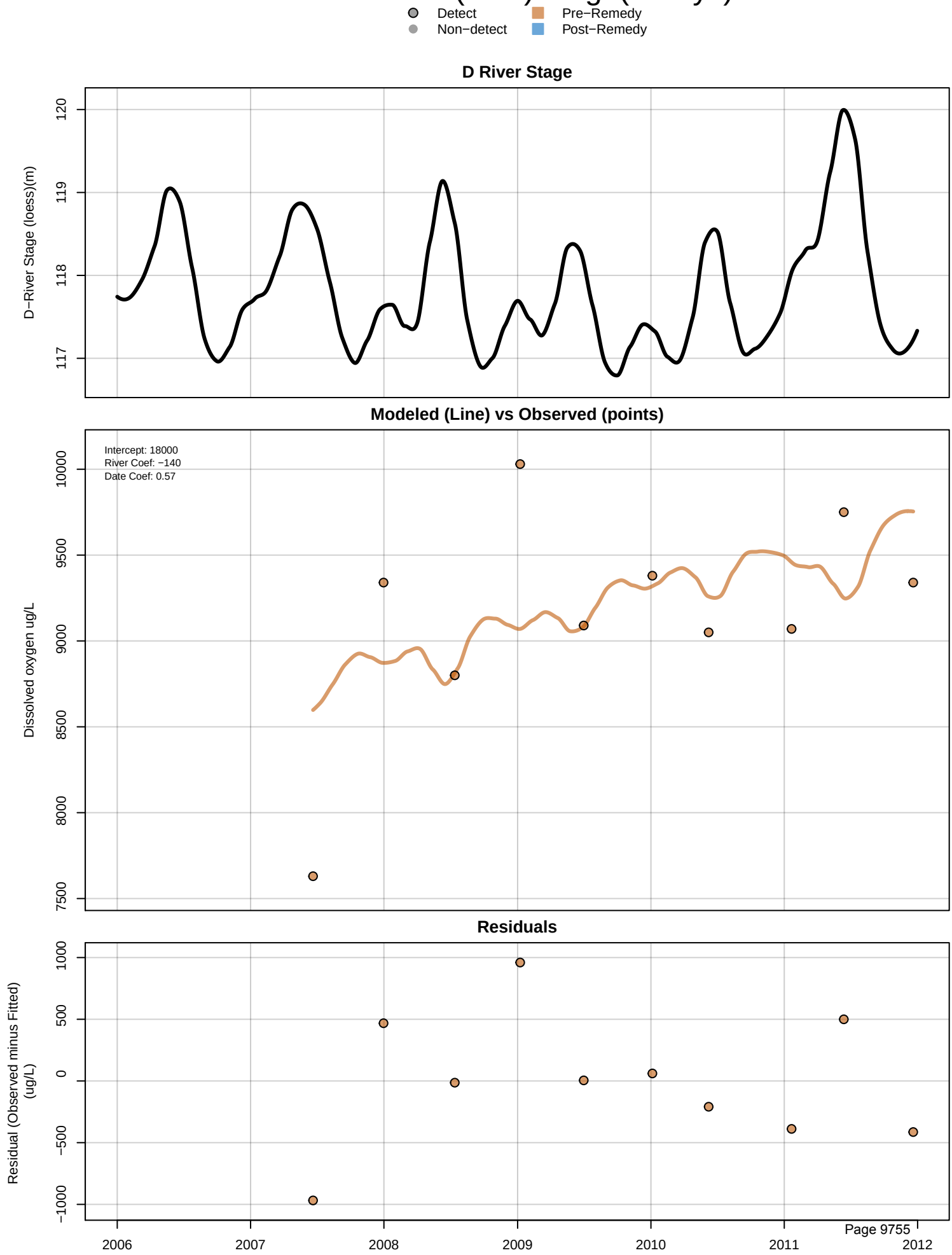
Detect
Non−detect
Pre−Remedy
Post−Remedy



399−4−15 (254m) Lag (Indeterminate)

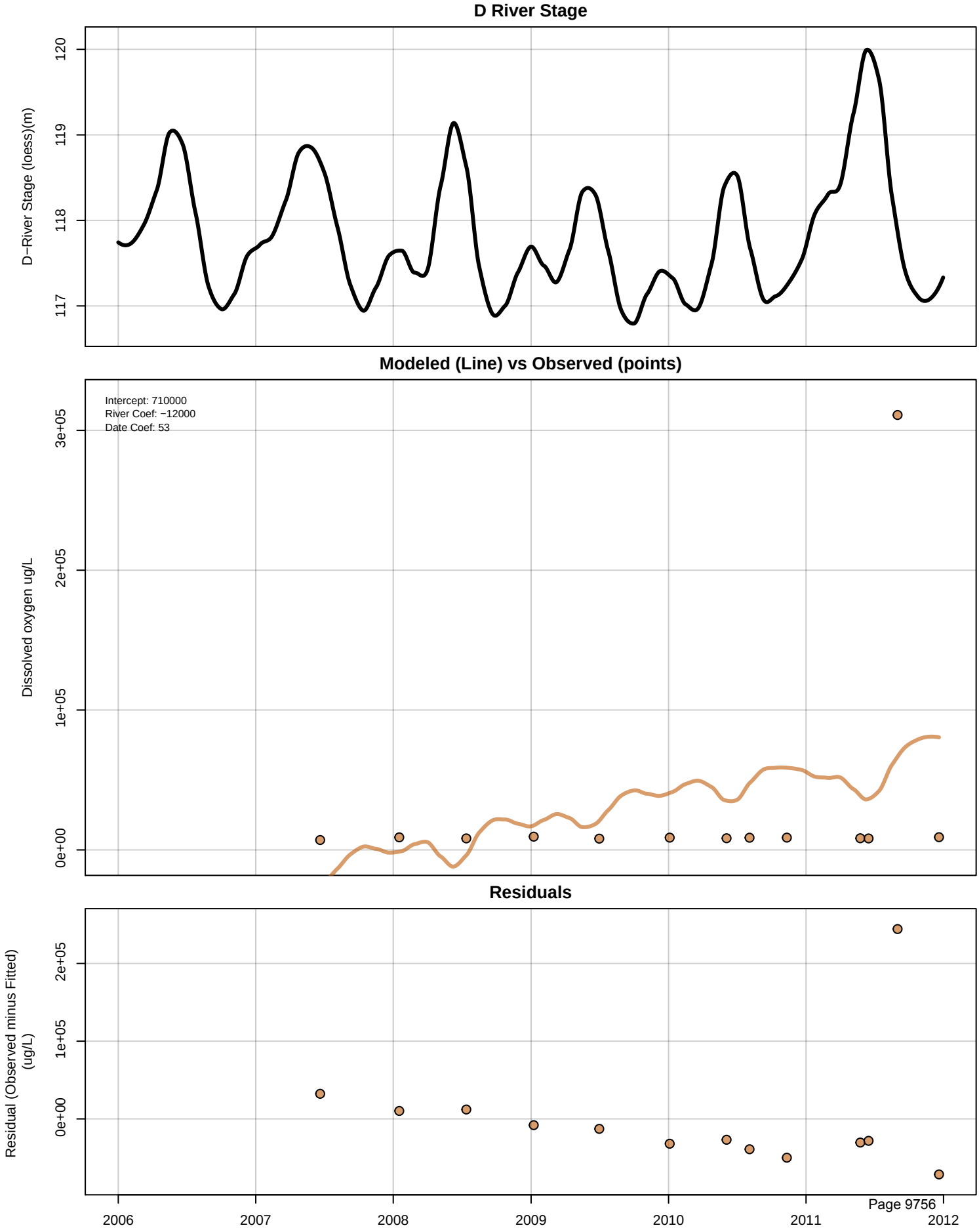


399−4−7 (74m) Lag (8 Days)



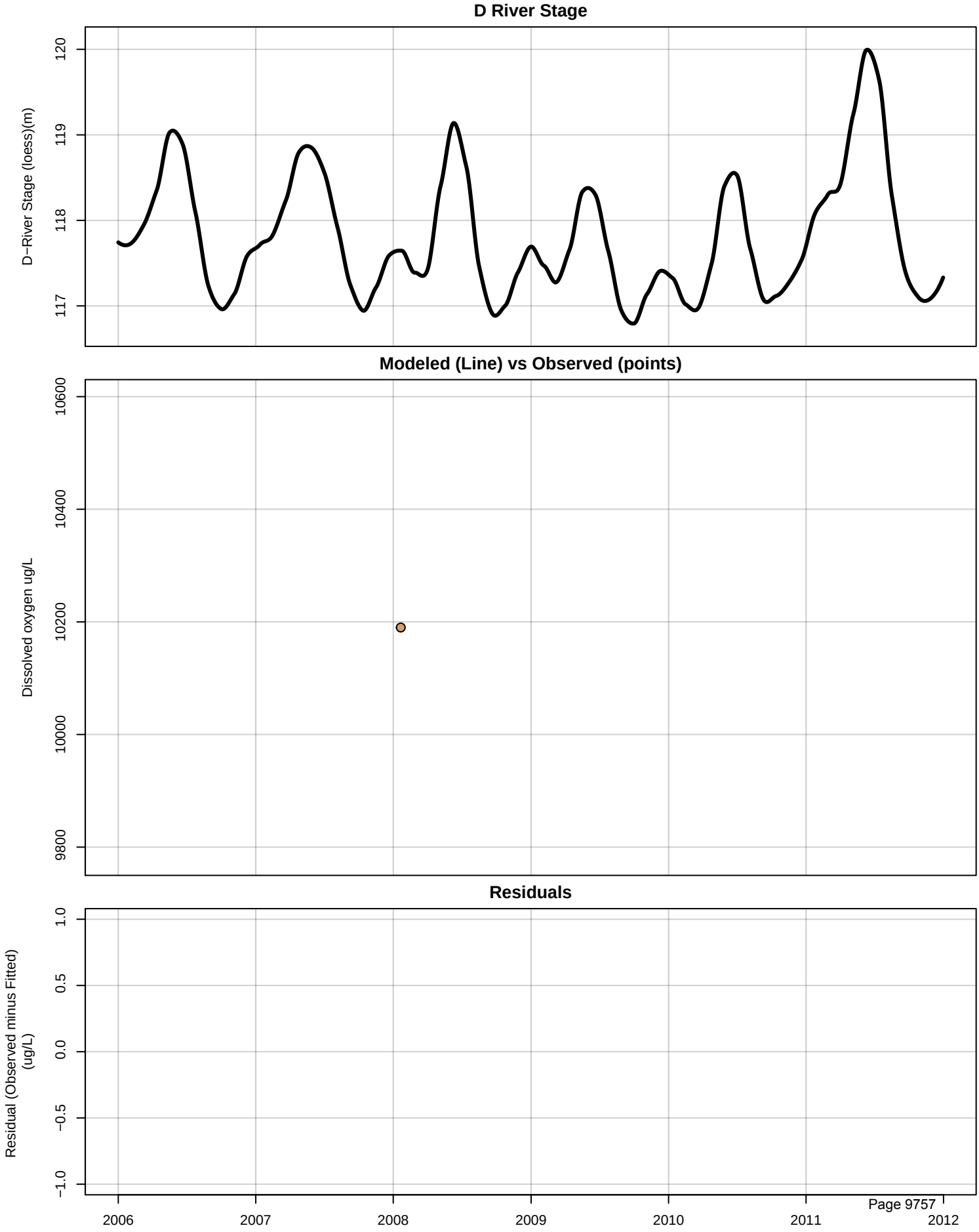
399−4−9 (58m) Lag (0 Days)

Detect
Non−detect
Pre−Remedy
Post−Remedy



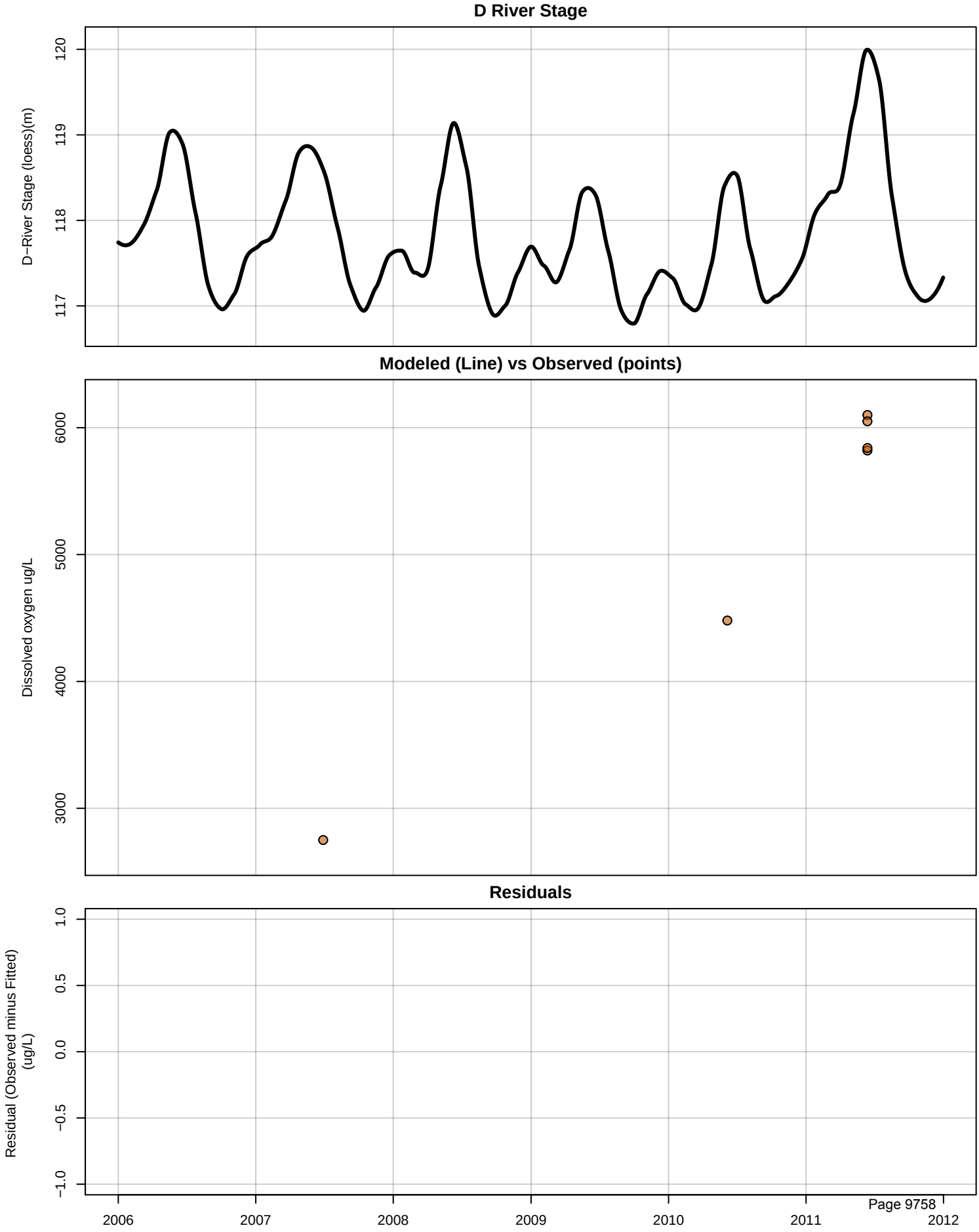
399−5−1 (869m) Lag (15 Days)

Detect
Non−detect
Pre−Remedy
Post−Remedy



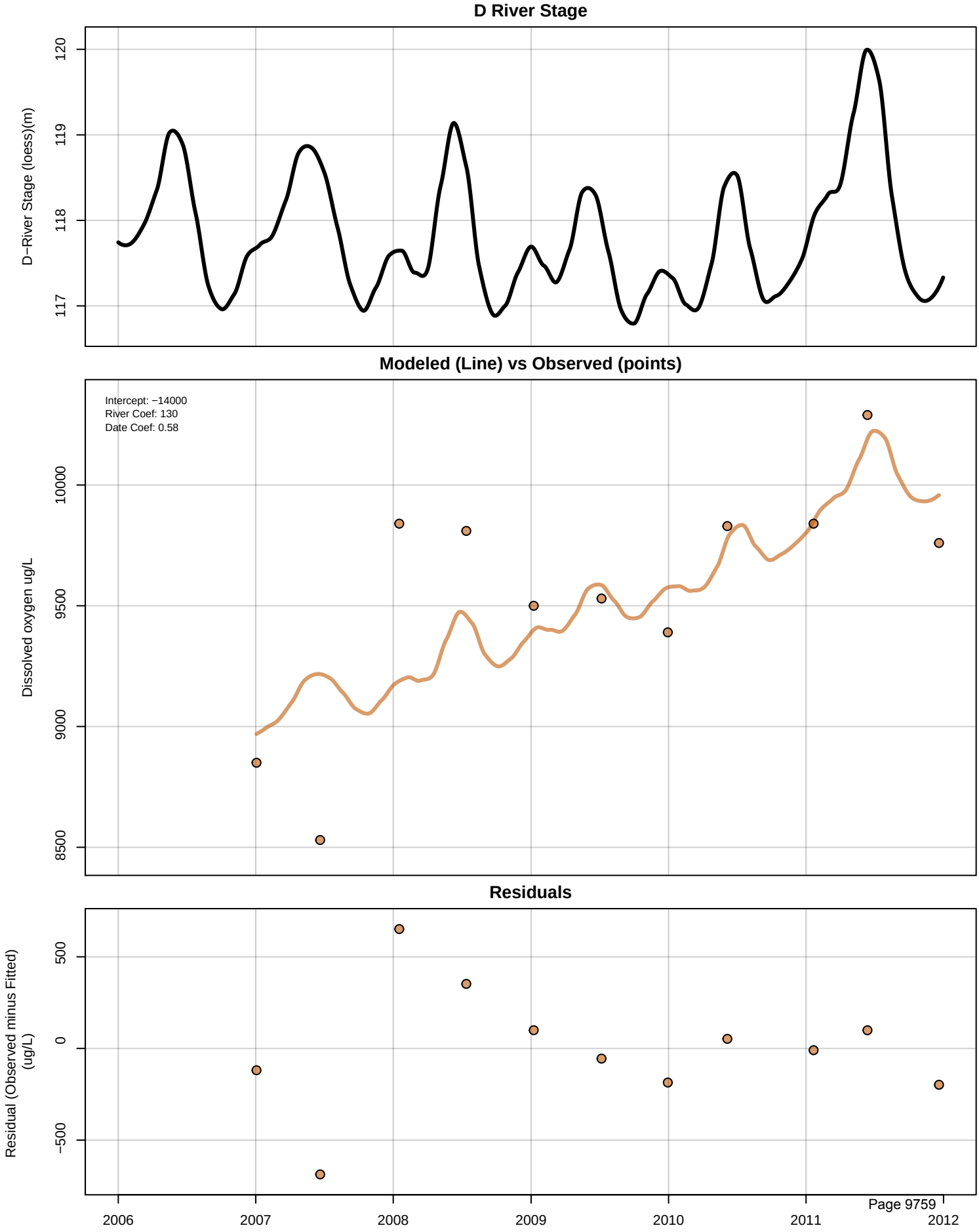
399−5−2 (1797m) Lag (86 Days)

Detect
Non−detect
Pre−Remedy
Post−Remedy

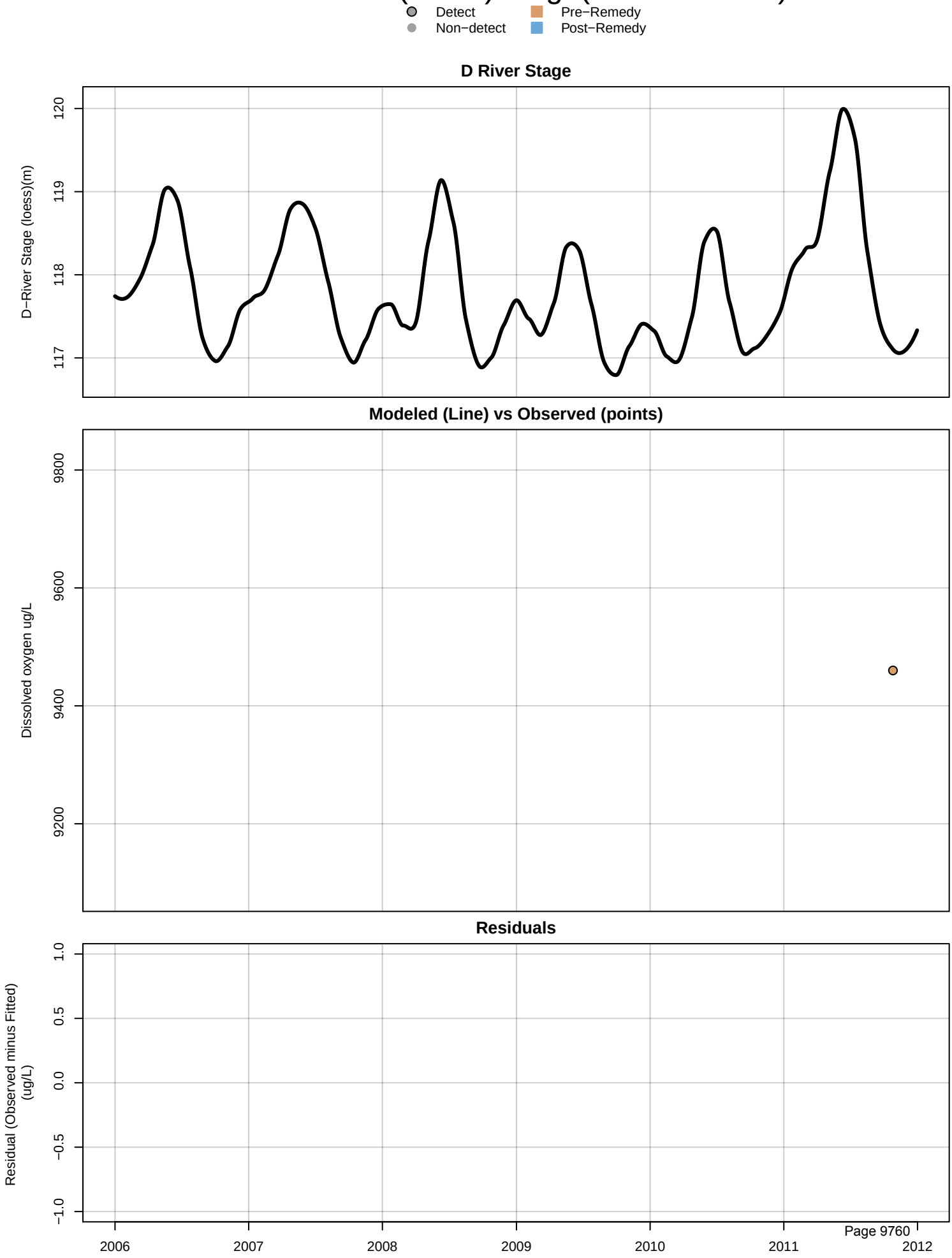


399−5−4B (845m) Lag (15 Days)

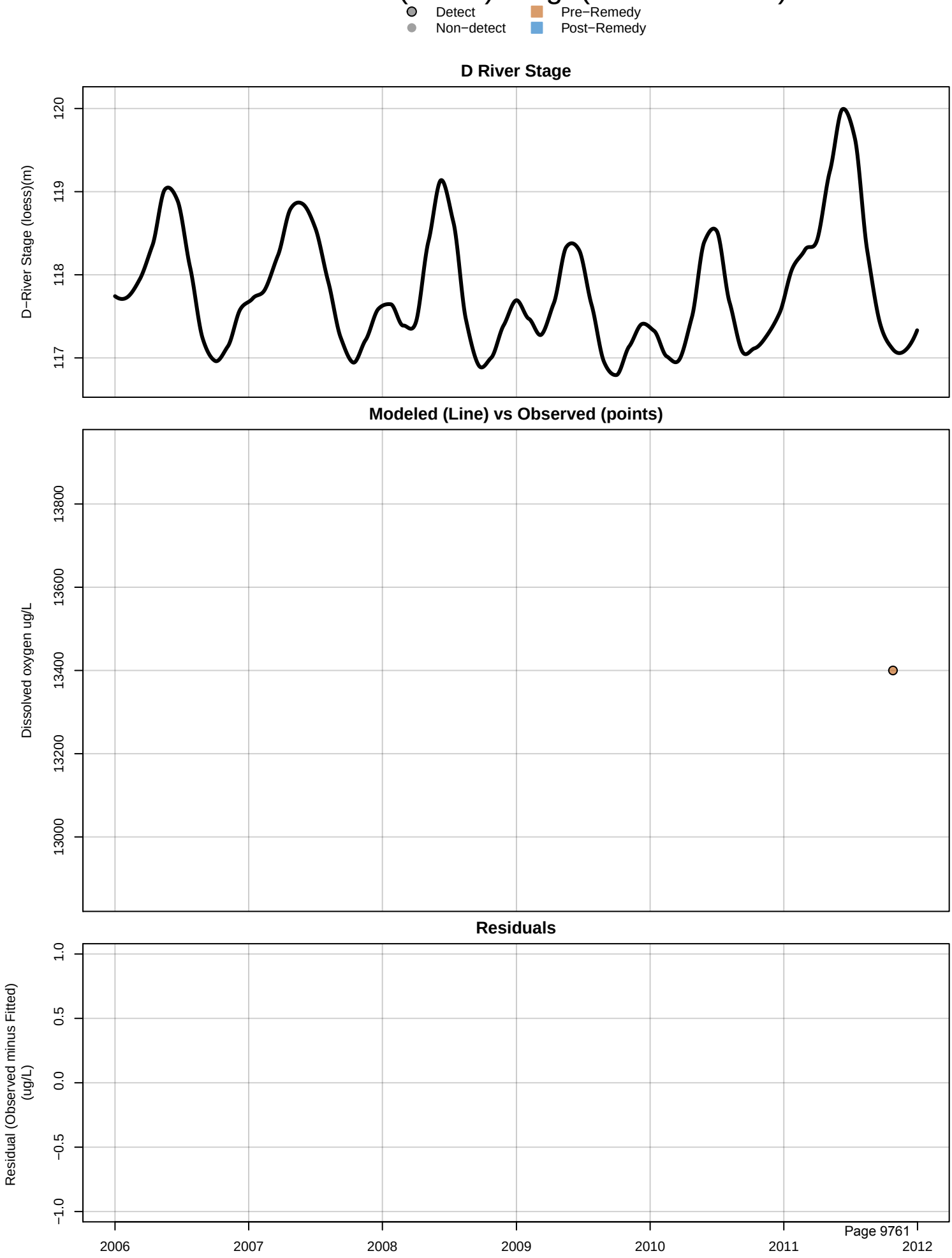
Detect
Non−detect
Pre−Remedy
Post−Remedy



399−6−3 (801m) Lag (Indeterminate)

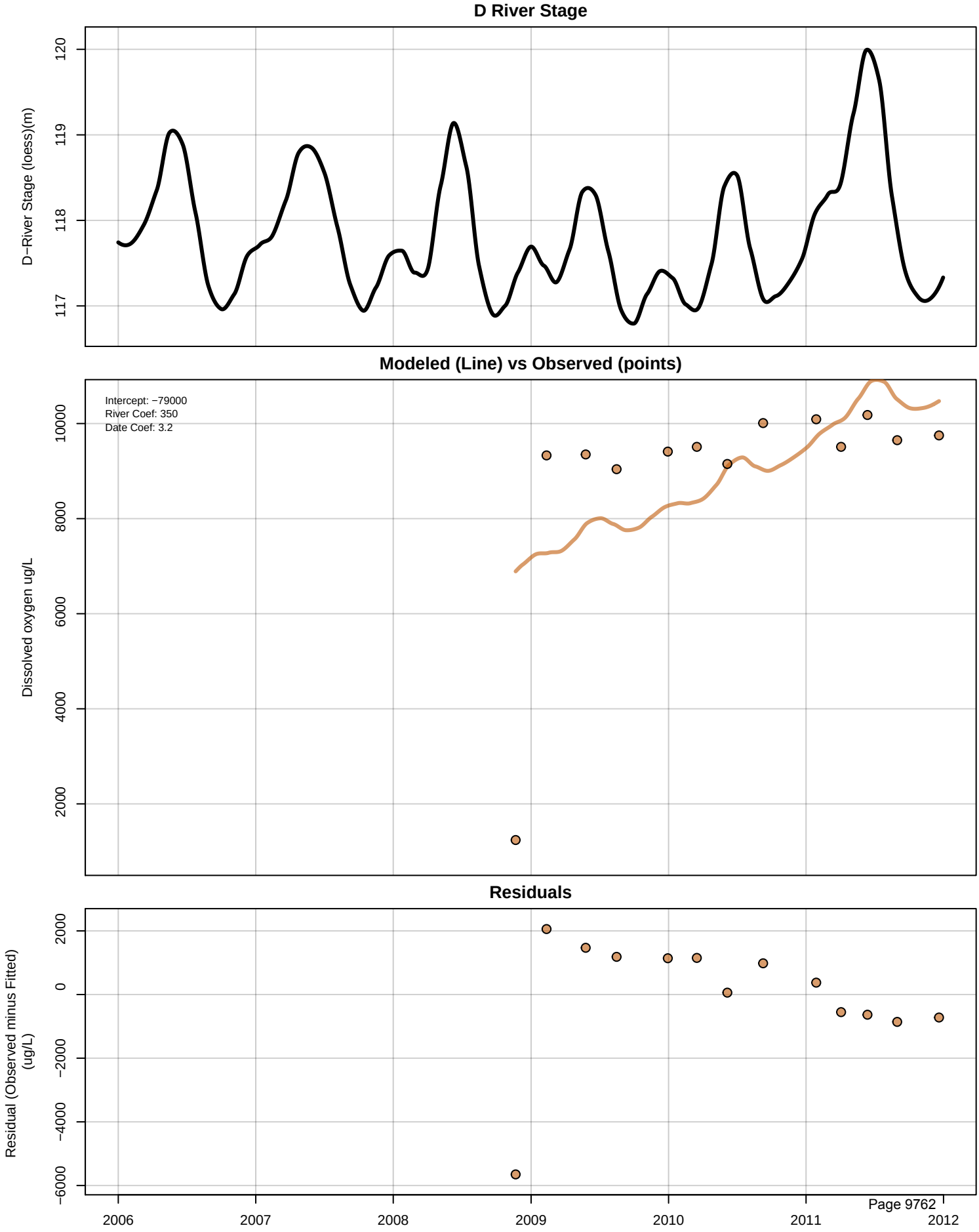


399−6−5 (711m) Lag (Indeterminate)



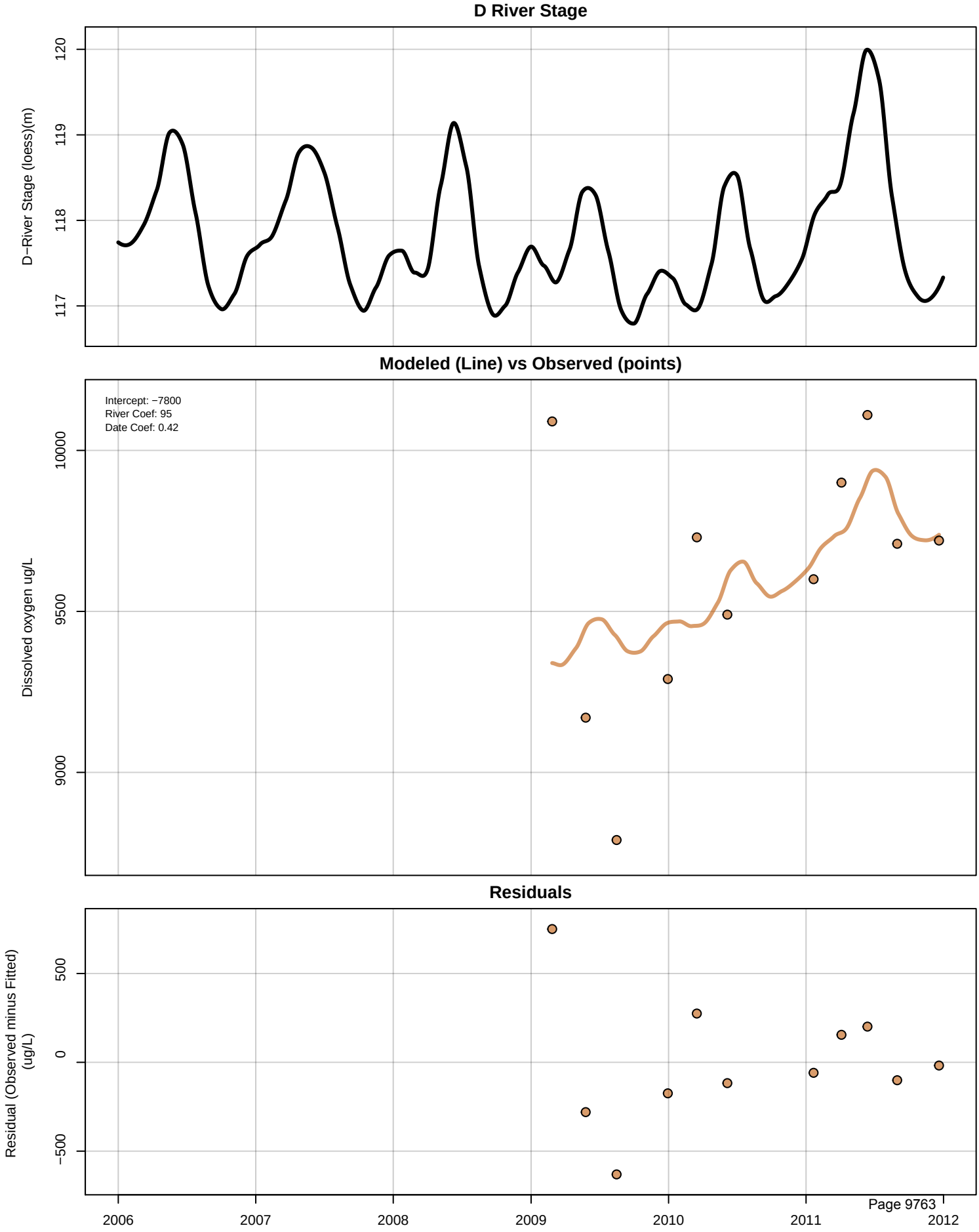
399−8−1 (804m) Lag (13 Days)

Detect
Non−detect
Pre−Remedy
Post−Remedy



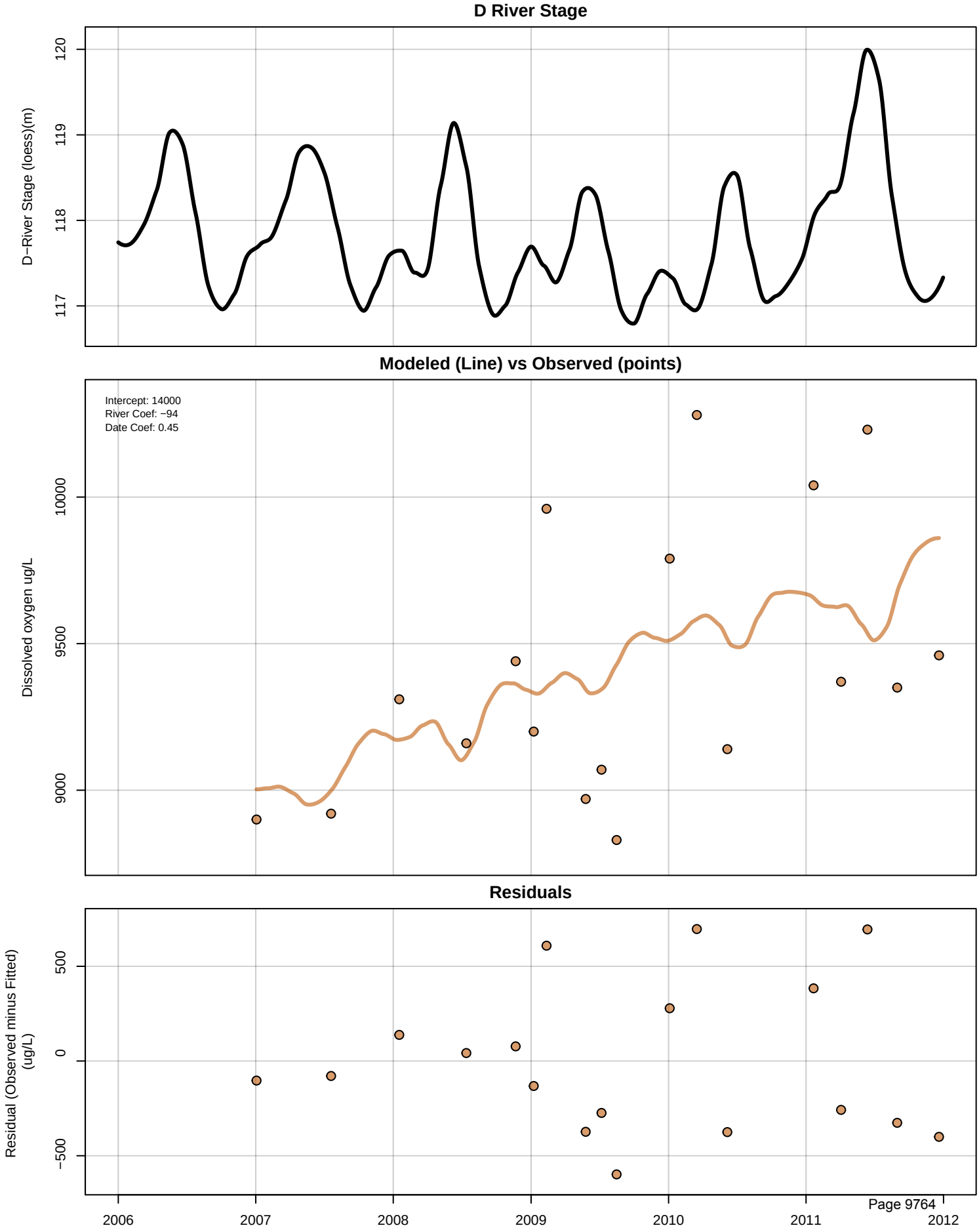
399−8−3 (757m) Lag (17 Days)

Detect
Non−detect
Pre−Remedy
Post−Remedy



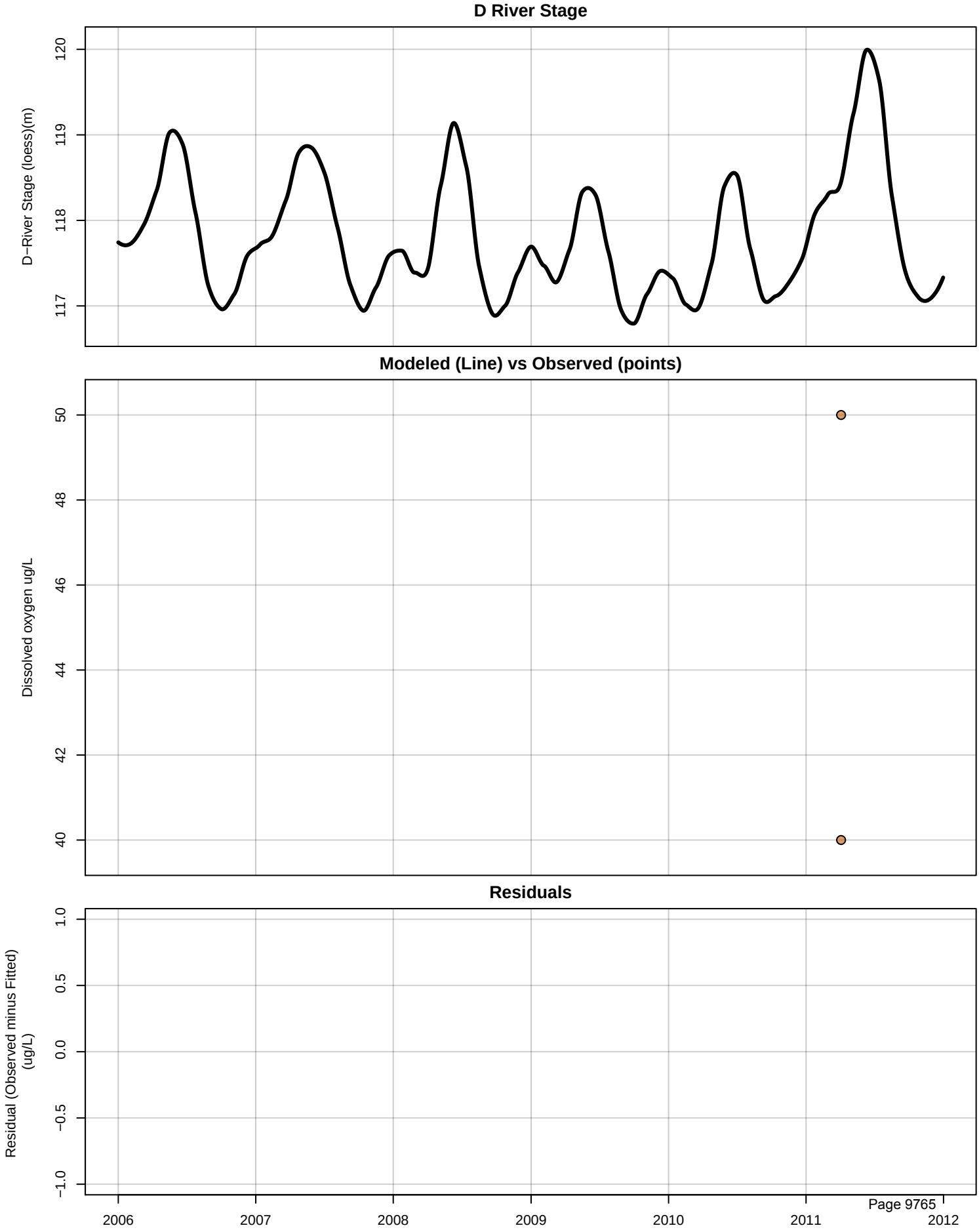
399−8−5A (1009m) Lag (21 Days)

Detect
Non−detect
Pre−Remedy
Post−Remedy



399−8−5C (1007m) Lag (41 Days)

Detect
Non−detect
Pre−Remedy
Post−Remedy



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