Appendix B. Alkalinity

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

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B-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-B2-12	Alkalinity	100-BC-5	FALSE	MU	69.68			3	1	0	2	2			Unsuccessful			IN-USE
199-B2-13	Alkalinity	100-BC-5	FALSE	TU	108.55	14.00	0.82	6	2	1	3	14			Unsuccessful			IN-USE
199-B2-14	Alkalinity	100-BC-5	FALSE		136.75			5	3	2	0	5	5	0	Unsuccessful			IN-USE
199-B2-15	Alkalinity	100-BC-5	FALSE	MU	137.11			2	2	0	0	3	0	3	Unsuccessful			IN-USE
199-B2-16	Alkalinity	100-BC-5	FALSE	MU	73.68			1	1	0	0	2	0	2	Unsuccessful			IN-USE
199-B3-1	Alkalinity	100-BC-5	FALSE	TU	131.76	13.00	0.76	6	1	2	3	15			Unsuccessful			IN-USE
199-B3-46	Alkalinity	100-BC-5	FALSE	TU	209.58	11.00	0.77	6	1	1	4	15			Unsuccessful			IN-USE
199-B3-47	Alkalinity	100-BC-5	FALSE	TU	70.80	6.00	0.82	6	1	2	3	19			Unsuccessful			IN-USE
199-B3-50	Alkalinity	100-BC-5	FALSE		545.34			4	2	2	0	5	5	0	Unsuccessful			IN-USE
199-B4-1	Alkalinity	100-BC-5	FALSE	TU	604.14	48.00	0.56	2	0	1	1	22			Unsuccessful			IN-USE
199-B4-14	Alkalinity	100-BC-5	FALSE	TU	935.23			2	2	0	0	4	4	0	Unsuccessful			IN-USE
199-B4-4	Alkalinity	100-BC-5	FALSE	TU	920.25	40.00	0.92	3	2	1	0	9			Unsuccessful			IN-USE
199-B4-7	Alkalinity	100-BC-5	FALSE	TU	1013.41	19.00	0.87	3	0	0	3	9			Unsuccessful			IN-USE
199-B4-8	Alkalinity	100-BC-5	FALSE	TU	803.93			5	2	1	2	5			Unsuccessful			IN-USE
199-B5-1	Alkalinity	100-BC-5	FALSE	TU	477.65	30.00	0.93	6	1	2	3	16			Unsuccessful			IN-USE
199-B5-2	Alkalinity	100-BC-5	FALSE	TU	478.25			3	2	1	0	6			Unsuccessful			IN-USE
199-B5-5	Alkalinity	100-BC-5	FALSE	MU	292.28			5	3	2	0	5	0	5	Unsuccessful			IN-USE
199-B5-6	Alkalinity	100-BC-5	FALSE	MU	932.61			5	3	2	0	7	0	7	Unsuccessful			IN-USE
199-B5-8	Alkalinity	100-BC-5	FALSE		1940.98			2	2	0	0	2	2	0	Unsuccessful			IN-USE
199-B8-6	Alkalinity	100-BC-5	FALSE	TU	1117.24	41.00	0.89	6	2	2	2	13			Unsuccessful			IN-USE
199-B8-7	Alkalinity	100-BC-5	FALSE	TU	1192.80	91.00	0.70	13	5	4	4	12	12	0	Unsuccessful	0.881	1.000	DECOMMISSIONED-V
199-B8-8	Alkalinity	100-BC-5	FALSE	TU	1250.36	60.00	0.75	13	4	9	0	16	16	0	Unsuccessful	0.296	0.459	DECOMMISSIONED-V
199-B8-9	Alkalinity	100-BC-5	FALSE		1258.48			3	3	0	0	3	3	0	Unsuccessful			IN-USE
199-B9-3	Alkalinity	100-BC-5	FALSE	TU	1408.85	44.00	0.87	6	2	2	2	13			Unsuccessful			IN-USE
199-D2-11	Alkalinity	100-HR-3-D	FALSE	TU	821.64	70.00	0.86	4	0	3	1	1682	1682	0	Unsuccessful			IN-USE
199-D2-6	Alkalinity	100-HR-3-D	FALSE	TU	614.10	43.00	0.86	3	0	3	0	45			Unsuccessful			IN-USE
199-D2-8	Alkalinity	100-HR-3-D	FALSE	TU	713.26	71.00	0.88	1	0	1	0	57	57	0	Unsuccessful			DECOMMISSIONED-V
199-D4-23	Alkalinity	100-HR-3-D	FALSE	TU	62.33	12.00	0.94	3	0	2	1	255	255	0	Unsuccessful			IN-USE
199-D4-84	Alkalinity	100-HR-3-D	TRUE	TU	91.83	15.00	0.95	3	1	2	0	1527	1527	0	Unsuccessful			IN-USE
199-D5-102	Alkalinity	100-HR-3-D	FALSE	TU	748.12	72.00	0.81	1	0	1	0	1698	1698	0	Unsuccessful			IN-USE
199-D5-103	Alkalinity	100-HR-3-D	FALSE	TU	731.33	77.00	0.73	1	0	1	0	1698	1698	0	Unsuccessful			IN-USE
199-D5-104	Alkalinity	100-HR-3-D	TRUE	TU	567.75	54.00	0.92	1	0	1	0	929	929	0	Unsuccessful			IN-USE
199-D5-13	Alkalinity	100-HR-3-D	FALSE	TU	371.06	38.00	0.80	3	0	3	0	40	40	0	Unsuccessful			IN-USE
199-D5-14	Alkalinity	100-HR-3-D	FALSE	TU	642.08	50.00	0.96	3	0	3	0	238	238	0	Unsuccessful			IN-USE
199-D5-15	Alkalinity	100-HR-3-D	FALSE	TU	715.51	53.00	0.46	3	1	2	0	44			Unsuccessful			IN-USE
199-D5-16	Alkalinity	100-HR-3-D	FALSE	TU	826.11	49.00	0.77	3	0	3	0	41			Unsuccessful			IN-USE
199-D5-17	Alkalinity	100-HR-3-D	FALSE	TU	994.68	122.00	0.55	3	1	2	0	26			Unsuccessful			IN-USE
199-D5-18	Alkalinity	100-HR-3-D	FALSE	TU	1080.49	139.00	0.51	3	1	2	0	20			Unsuccessful			IN-USE
199-D5-19	Alkalinity	100-HR-3-D	FALSE	TU	1137.54	118.00	0.60	3	1	2	0	27			Unsuccessful			IN-USE
199-D5-20	Alkalinity	100-HR-3-D	TRUE	TU	156.51			1	0	1	0				Unsuccessful			IN-USE
199-D5-32	Alkalinity	100-HR-3-D	TRUE	TU	336.73			1	0	1	0				Unsuccessful			IN-USE
199-D5-37	Alkalinity	100-HR-3-D	FALSE	TU	147.85	24.00	0.79	3	0	3	0	171	171	0	Unsuccessful			IN-USE
199-D5-38	Alkalinity	100-HR-3-D	FALSE	TU	284.61	46.00	0.89	3	0	3	0	2049	2049	0	Unsuccessful			IN-USE
199-D5-41	Alkalinity	100-HR-3-D	TRUE	TU	418.19	33.00	0.91	1	0	1	0	33	33	0	Unsuccessful			IN-USE
199-D5-43	Alkalinity	100-HR-3-D	FALSE	TU	611.99	57.00	0.88	3	0	3	0	1696	1696	0	Unsuccessful			IN-USE
199-D5-92	Alkalinity	100-HR-3-D	TRUE	TU	105.02			1	0	1	0	2	2	0	Unsuccessful			IN-USE
199-D5-93	Alkalinity	100-HR-3-D	FALSE	TU	610.97	53.00	0.83	1	0	0	1	46	46	0	Unsuccessful			IN-USE
199-D5-97	Alkalinity	100-HR-3-D	FALSE	TU	635.23	65.00	0.90	1	0	1	0	1698	1698	0	Unsuccessful			IN-USE

B-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-D5-98	Alkalinity	100-HR-3-D	FALSE	TU	742.78	76.00	0.86	1	0	1	0	1567	1567	0	Unsuccessful			IN-USE
199-D5-99	Alkalinity	100-HR-3-D	FALSE	TU	648.50	69.00	0.83	4	0	3	1	1397	1397	0	Unsuccessful			IN-USE
199-D8-5	Alkalinity	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	Alkalinity	100-HR-3-D	TRUE	TU	85.04	12.00	0.94	3	0	2	1	630	630	0	Unsuccessful			IN-USE
199-D8-68	Alkalinity	100-HR-3-D	TRUE	TU	101.00	8.00	0.90	1	0	1	0	1428	1428	0	Unsuccessful			IN-USE
199-D8-70	Alkalinity	100-HR-3-D	FALSE	TU	178.69	12.00	0.95	4	0	3	1	2130	2130	0	Unsuccessful			IN-USE
199-D8-71	Alkalinity	100-HR-3-D	FALSE	TU	173.19	11.00	0.95	3	0	2	1	2128	2128	0	Unsuccessful			IN-USE
199-D8-72	Alkalinity	100-HR-3-D	TRUE	TU	172.87	0.00	0.30	1	0	1	0	1457	1457	0	Unsuccessful			IN-USE
199-D8-73	Alkalinity	100-HR-3-D	TRUE	TU	117.63	15.00	0.65	1	0	1	0	40	40	0	Unsuccessful			IN-USE
199-D8-88	Alkalinity	100-HR-3-D	TRUE	TU	94.60	18.00	0.96	4	1	3	0	1518	1518	0	Unsuccessful			IN-USE
199-F1-2	Alkalinity	100-FR-3	FALSE	TU	88.74	14.00	0.93	4	1	3	0	14			Unsuccessful			IN-USE
199-F5-1	Alkalinity	100-FR-3	FALSE	TU	106.37	20.00	0.90	7	1	6	0	24			Unsuccessful			IN-USE
199-F5-4	Alkalinity	100-FR-3	FALSE	TU	722.22	64.00	0.63	6	2	3	1	14			Unsuccessful			IN-USE
199-F5-42	Alkalinity	100-FR-3	FALSE	TU	23.23			4	1	2	1	5			Unsuccessful			IN-USE
199-F5-43A	Alkalinity	100-FR-3	FALSE	TU	27.81	10.00	0.83	6	1	4	1	14			Unsuccessful			IN-USE
199-F5-43B	Alkalinity	100-FR-3	FALSE	LU	27.49			3	0	3	0	2			Unsuccessful			IN-USE
199-F5-44	Alkalinity	100-FR-3	FALSE	TU	30.88			6	1	4	1	6			Unsuccessful			IN-USE
199-F5-45	Alkalinity	100-FR-3	FALSE	TU	529.88			4	1	2	1	4			Unsuccessful			IN-USE
199-F5-46	Alkalinity	100-FR-3	FALSE	TU	371.10	30.00	0.92	5	0	5	0	16			Unsuccessful			IN-USE
199-F5-47	Alkalinity	100-FR-3	FALSE	TU	791.98			4	0	4	0	5			Unsuccessful			IN-USE
199-F5-48	Alkalinity	100-FR-3	FALSE	TU	637.40			5	2	2	1	7			Unsuccessful			IN-USE
199-F5-52	Alkalinity	100-FR-3	FALSE	TU	185.98			4	3	1	0	5	5	0	Unsuccessful			IN-USE
199-F5-53	Alkalinity	100-FR-3	FALSE	MU	81.98			4	3	1	0	3	0	3	Unsuccessful			IN-USE
199-F5-54	Alkalinity	100-FR-3	FALSE	TU	248.26			4	3	1	0	5	4	1	Unsuccessful			IN-USE
199-F5-6	Alkalinity	100-FR-3	FALSE	TU	122.60	2.00	0.86	8	1	6	1	13			Unsuccessful			IN-USE
199-F6-1	Alkalinity	100-FR-3	FALSE	TU	51.15	18.00	0.82	6	1	1	4	10			Unsuccessful			IN-USE
199-F7-1	Alkalinity	100-FR-3	FALSE	TU	1649.57	64.00	0.26	6	1	4	1	15			Unsuccessful			IN-USE
199-F7-2	Alkalinity	100-FR-3	FALSE	TU	828.51	81.00	0.71	6	1	3	2	14	14	0	Unsuccessful			IN-USE
199-F7-3	Alkalinity	100-FR-3	FALSE	TU	1467.91	171.00	0.51	6	2	3	1	11			Unsuccessful			IN-USE
199-F8-2	Alkalinity	100-FR-3	FALSE	TU	898.90			4	1	2	1	8			Unsuccessful			IN-USE
199-F8-3	Alkalinity	100-FR-3	FALSE	TU	1141.19	179.00	0.70	6	2	3	1	18			Unsuccessful			IN-USE
199-F8-4	Alkalinity	100-FR-3	FALSE	TU	609.71	72.00	0.64	6	2	2	2	17			Unsuccessful			IN-USE
199-F8-7	Alkalinity	100-FR-3	FALSE		1257.64	180.00	0.73	8	2	5	1	11	11	0	Successful			IN-USE
199-H3-2A	Alkalinity	100-HR-3-H	TRUE	TU	481.78	40.00	0.58	7	0	6	1	63	63	0	Unsuccessful			IN-USE
199-H3-2B	Alkalinity	100-HR-3-H	FALSE	TU	474.27	37.00	0.90	2	0	1	1	2156	0	2156	Unsuccessful			IN-USE
199-H3-2C	Alkalinity	100-HR-3-H	FALSE	MU	476.19	30.00	0.88	1	0	1	0	1335	0	1335	Unsuccessful			IN-USE
199-H3-4	Alkalinity	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	Alkalinity	100-HR-3-H	FALSE	TU	873.95	78.00	0.74	3	0	2	1	31	31	0	Unsuccessful			IN-USE
199-H4-10	Alkalinity	100-HR-3-H	FALSE	TU	56.89	4.00	0.91	7	1	6	0	1063	1019	44	Unsuccessful			IN-USE
199-H4-11	Alkalinity	100-HR-3-H	FALSE	TU	57.48	0.00	0.89	3	1	2	0	1092	1021	71	Unsuccessful			IN-USE
199-H4-12A	Alkalinity	100-HR-3-H	TRUE	TU	71.77	0.00	0.84	4	0	3	1	1339	1316	23	Unsuccessful			IN-USE
199-H4-12B	Alkalinity	100-HR-3-H	FALSE	UU	72.22	9.00	0.80	4	0	4	0	2112	0	2112	Unsuccessful			IN-USE
199-H4-12C	Alkalinity	100-HR-3-H	FALSE	MU	65.37	6.00	0.90	5	0	4	1	1351	0	1351	Unsuccessful			IN-USE
199-H4-13	Alkalinity	100-HR-3-H	FALSE	TU	55.08	4.00	0.90	6	1	5	0	30	30	0	Unsuccessful			IN-USE
199-H4-14	Alkalinity	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	Alkalinity	100-HR-3-H	TRUE	TU	71.28	4.00	0.85	2	0	2	0	1316	1290	26	Unsuccessful			IN-USE
199-H4-15B	Alkalinity	100-HR-3-H	FALSE	TU	70.79	5.00	0.91	4	0	4	0	2117	0	2117	Unsuccessful			IN-USE
199-H4-15CP	Alkalinity	100-HR-3-H	FALSE	UC	64.42	13.00	0.40	2	1	1	0	20			Unsuccessful			IN-USE

B-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-H4-15CQ	Alkalinity	100-HR-3-H	FALSE	CR	64.42	79.00	0.29	3	1	2	0	23			Unsuccessful			IN-USE
199-H4-15CR	Alkalinity	100-HR-3-H	FALSE	LU	64.42	0.00	0.72	2	1	0	1	28			Unsuccessful			IN-USE
199-H4-15CS	Alkalinity	100-HR-3-H	FALSE	MU	64.42	0.00	0.92	2	1	0	1	32			Unsuccessful			IN-USE
199-H4-16	Alkalinity	100-HR-3-H	FALSE	TU	266.23	40.00	0.85	8	0	6	2	30	30	0	Unsuccessful			IN-USE
199-H4-18	Alkalinity	100-HR-3-H	TRUE	TU	153.47	4.00	0.25	2	0	2	0	1212	183	1029	Unsuccessful			IN-USE
199-H4-2	Alkalinity	100-HR-3-H	FALSE	UC	209.66			3	1	1	1	4	0	4	Unsuccessful			IN-USE
199-H4-3	Alkalinity	100-HR-3-H	TRUE	TU	159.23	14.00	0.66	9	0	8	1	1338			Unsuccessful			IN-USE
199-H4-4	Alkalinity	100-HR-3-H	TRUE	TU	62.58	0.00	0.77	2	0	2	0	1336			Unsuccessful			IN-USE
199-H4-45	Alkalinity	100-HR-3-H	FALSE	TU	193.80	31.00	0.93	7	0	7	0	31			Unsuccessful			IN-USE
199-H4-46	Alkalinity	100-HR-3-H	FALSE	TU	423.44	49.00	0.86	5	0	4	1	26			Unsuccessful			IN-USE
199-H4-47	Alkalinity	100-HR-3-H	FALSE	TU	363.18	48.00	0.75	1	0	1	0	17			Unsuccessful			IN-USE
199-H4-48	Alkalinity	100-HR-3-H	FALSE	TU	415.48	49.00	0.80	5	0	5	0	32			Unsuccessful			IN-USE
199-H4-5	Alkalinity	100-HR-3-H	FALSE	TU	111.15	7.00	0.93	8	1	7	0	2018	1811	207	Unsuccessful			IN-USE
199-H4-6	Alkalinity	100-HR-3-H	FALSE	TU	416.88	40.00	0.90	6	0	5	1	36	35	1	Unsuccessful			IN-USE
199-H4-63	Alkalinity	100-HR-3-H	TRUE	TU	52.47	4.00	0.80	4	0	4	0	1315	1275	40	Unsuccessful			IN-USE
199-H4-65	Alkalinity	100-HR-3-H	FALSE	TU	151.25	14.00	0.89	4	0	4	0	24	24	0	Unsuccessful			IN-USE
199-H4-8	Alkalinity	100-HR-3-H	FALSE	TU	192.40	14.00	0.91	8	0	8	0	2151	2126	25	Unsuccessful			IN-USE
199-H4-9	Alkalinity	100-HR-3-H	FALSE	TU	154.01	10.00	0.93	9	2	6	1	2140	2113	27	Unsuccessful			IN-USE
199-H5-1A	Alkalinity	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	Alkalinity	100-HR-3-H	FALSE	TU	291.11	42.00	0.76	4	0	4	0	24			Unsuccessful			IN-USE
199-K-106A	Alkalinity	100-KR-4	FALSE	TU	436.68	29.00	0.90	14	5	7	2	38	38	0	Unsuccessful	0.446	1.000	IN-USE
199-K-107A	Alkalinity	100-KR-4	FALSE	TU	387.96	19.00	0.93	10	1	6	3	1363	1344	19	Unsuccessful			IN-USE
199-K-108A	Alkalinity	100-KR-4	FALSE	TU	516.11	27.00	0.85	11	3	7	1	777	777	0	Unsuccessful	0.262	0.583	IN-USE
199-K-109A	Alkalinity	100-KR-4	FALSE	TU	485.22	51.00	0.95	3	1	0	2	25	25	0	Unsuccessful			DECOMMISSIONED-V
199-K-11	Alkalinity	100-KR-4	FALSE	TU	478.17	22.00	0.67	3	1	2	0	23			Unsuccessful			IN-USE
199-K-110A	Alkalinity	100-KR-4	FALSE	TU	612.58	51.00	0.67	10	3	4	3	26	26	0	Unsuccessful	0.824	0.771	IN-USE
199-K-111A	Alkalinity	100-KR-4	FALSE	TU	467.50	46.00	0.93	14	7	3	4	1424	1424	0	Unsuccessful	0.639	1.000	IN-USE
199-K-117A	Alkalinity	100-KR-4	FALSE	TU	68.80	8.00	0.92	4	1	3	0	2150	1841	309	Unsuccessful			IN-USE
199-K-126	Alkalinity	100-KR-4	FALSE	TU	290.47	0.00	0.48	12	3	7	2	19	19	0	Unsuccessful	0.463	0.408	IN-USE
199-K-13	Alkalinity	100-KR-4	FALSE	TU	478.59			1	1	0	0	8			Unsuccessful			IN-USE
199-K-132	Alkalinity	100-KR-4	TRUE	TU	180.99			14	6	6	2	5	5	0	Unsuccessful	0.380	0.318	IN-USE
199-K-133	Alkalinity	100-KR-4	FALSE	TU	261.24			14	5	7	2	8	8	0	Unsuccessful	0.066	0.030	IN-USE
199-K-134	Alkalinity	100-KR-4	FALSE	TU	298.10			12	4	6	2	7	7	0	Unsuccessful	0.074	0.157	IN-USE
199-K-135	Alkalinity	100-KR-4	FALSE	TU	318.89	22.00	0.58	12	6	3	3	9	9	0	Unsuccessful	0.988	1.000	IN-USE
199-K-136	Alkalinity	100-KR-4	FALSE	TU	280.75			10	2	6	2	8	8	0	Unsuccessful			IN-USE
199-K-141	Alkalinity	100-KR-4	TRUE	TU	366.22	22.00	0.97	13	5	4	4	569	495	74	Unsuccessful	0.349	0.389	IN-USE
199-K-142	Alkalinity	100-KR-4	FALSE	TU	391.05	25.00	0.92	16	5	9	2	684	684	0	Unsuccessful	0.891	1.000	IN-USE
199-K-150	Alkalinity	100-NR-2	TRUE	UU	88.30			10	7	2	1	8	8	0	Unsuccessful			IN-USE
199-K-151	Alkalinity	100-NR-2	FALSE	UU	461.38	40.00	0.91	5	1	3	1	1178	1178	0	Unsuccessful			IN-USE
199-K-152	Alkalinity	100-KR-4	TRUE	UU	373.48	54.00	0.65	6	1	3	2	10	10	0	Unsuccessful			IN-USE
199-K-157	Alkalinity	100-KR-4	FALSE	U	444.90	37.00	0.93	3	0	2	1	1195	1195	0	Unsuccessful			IN-USE
199-K-18	Alkalinity	100-KR-4	FALSE	TU	234.81	26.00	0.86	3	1	2	0	2121			Unsuccessful			IN-USE
199-K-182	Alkalinity	100-KR-4	TRUE		866.42			3	2	1	0	6	6	0	Unsuccessful			IN-USE
199-K-183	Alkalinity	200-BP-5	FALSE		244.38			1	0	1	0	2	2	0	Unsuccessful			IN-USE
199-K-184	Alkalinity	100-KR-4	FALSE		487.25			3	2	1	0	3	0	3	Unsuccessful			IN-USE
199-K-185	Alkalinity	100-KR-4	FALSE		182.16			2	0	2	0	3	3	0	Unsuccessful			IN-USE
199-K-186	Alkalinity	100-KR-4	FALSE		633.95			2	1	1	0	2	2	0	Unsuccessful			IN-USE
199-K-187	Alkalinity	100-KR-4	FALSE		1257.35			1	0	1	0	4	4	0	Unsuccessful			IN-USE

B-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-188	Alkalinity	100-KR-4	FALSE		941.57			1	1	0	0	1	1	0	Unsuccessful			IN-USE
199-K-189	Alkalinity	100-KR-4	FALSE	U	467.36			3	2	1	0	2	2	0	Unsuccessful			IN-USE
199-K-190	Alkalinity	100-KR-4	FALSE		210.99			1	0	1	0	3	0	3	Unsuccessful			IN-USE
199-K-191	Alkalinity	100-KR-4	FALSE		833.61			1	0	1	0	2	2	0	Unsuccessful			IN-USE
199-K-192	Alkalinity	100-KR-4	FALSE		333.66			2	1	1	0	2	0	2	Unsuccessful			IN-USE
199-K-193	Alkalinity	100-KR-4	FALSE		1443.18			3	2	1	0	4	4	0	Unsuccessful			IN-USE
199-K-194	Alkalinity	100-KR-4	FALSE		1665.52			2	1	1	0	2	2	0	Unsuccessful			IN-USE
199-K-195	Alkalinity	100-KR-4	FALSE		849.90			1	1	0	0	1	1	0	Unsuccessful			DECOMMISSIONED-V
199-K-196	Alkalinity	100-KR-4	FALSE		167.81			1	0	1	0	1	1	0	Unsuccessful			IN-USE
199-K-197	Alkalinity	100-KR-4	FALSE		139.30			1	0	1	0	1	0	1	Unsuccessful			IN-USE
199-K-20	Alkalinity	100-KR-4	FALSE	TU	133.90	17.00	0.82	4	2	2	0	1989			Unsuccessful			IN-USE
199-K-200	Alkalinity	100-KR-4	FALSE	TU	385.87			2	2	0	0	2	2	0	Unsuccessful			IN-USE
199-K-201	Alkalinity	100-KR-4	FALSE	TU	279.10			3	2	1	0	2	2	0	Unsuccessful			IN-USE
199-K-22	Alkalinity	100-KR-4	FALSE	TU	218.10	18.00	0.92	3	1	2	0	2091	2091	0	Unsuccessful			IN-USE
199-K-23	Alkalinity	100-KR-4	FALSE	TU	542.10	55.00	0.76	1	1	0	0	12			Unsuccessful			IN-USE
199-K-27	Alkalinity	100-KR-4	FALSE	TU	500.60	50.00	0.96	3	1	0	2	27			Unsuccessful			DECOMMISSIONED-V
199-K-29	Alkalinity	100-KR-4	FALSE	TU	518.80	56.00	0.77	4	2	2	0	38			Unsuccessful			DECOMMISSIONED-V
199-K-30	Alkalinity	100-KR-4	FALSE	TU	548.26	52.00	0.91	11	2	7	2	1467	1467	0	Unsuccessful			DECOMMISSIONED-V
199-K-31	Alkalinity	200-BP-5	FALSE	UU	62.70	7.00	0.85	9	2	6	1	26	7	19	Unsuccessful			IN-USE
199-K-32A	Alkalinity	100-KR-4	FALSE	TU	237.39	21.00	0.95	14	4	7	3	2004			Unsuccessful	0.261	0.255	IN-USE
199-K-32B	Alkalinity	100-KR-4	FALSE	LU	230.41	25.00	0.95	3	0	2	1	2010			Unsuccessful			IN-USE
199-K-34	Alkalinity	100-KR-4	FALSE	TU	382.89	7.00	0.84	13	2	7	4	42			Unsuccessful			IN-USE
199-K-36	Alkalinity	100-KR-4	FALSE	TU	917.63	83.00	0.74	5	1	3	1	32			Unsuccessful			IN-USE
199-K-37	Alkalinity	100-KR-4	FALSE	TU	226.69	26.00	0.80	5	1	3	1	1941			Unsuccessful			IN-USE
199-N-103A	Alkalinity	100-NR-2	FALSE	TU	95.06	22.00	0.92	11	4	6	1	11	11	0	Unsuccessful	0.079	0.186	IN-USE
199-N-105A	Alkalinity	100-NR-2	FALSE	TU	173.36	28.00	0.97	13	5	5	3	21	19	2	Unsuccessful	0.195	0.500	IN-USE
199-N-106A	Alkalinity	100-NR-2	FALSE	TU	205.18	24.00	0.95	10	4	6	0	17	17	0	Successful	0.129	0.114	IN-USE
199-N-119	Alkalinity	100-NR-2	FALSE	TU	6.72	10.00	0.87	16	6	6	4	49	29	20	Unsuccessful	0.124	0.182	IN-USE
199-N-120	Alkalinity	100-NR-2	FALSE	MU	6.20	0.00	0.85	5	1	3	1	24	0	24	Unsuccessful			IN-USE
199-N-121	Alkalinity	100-NR-2	FALSE	MU	5.91	0.00	0.77	5	1	3	1	25	0	25	Unsuccessful			IN-USE
199-N-122	Alkalinity	100-NR-2	FALSE	TU	3.23	10.00	0.93	6	2	1	3	29	28	1	Unsuccessful			IN-USE
199-N-123	Alkalinity	100-NR-2	FALSE	TU	7.31	10.00	0.70	6	2	1	3	23	23	0	Unsuccessful			IN-USE
199-N-14	Alkalinity	100-NR-2	FALSE	TU	134.64	18.00	0.96	12	3	8	1	1036	1036	0	Unsuccessful	0.175	0.255	IN-USE
199-N-146	Alkalinity	100-NR-2	FALSE	TU	4.10	3.00	0.92	5	2	2	1	1068	0	1068	Unsuccessful			IN-USE
199-N-147	Alkalinity	100-NR-2	FALSE	TU	4.82	4.00	0.90	10	4	4	2	1061	0	1061	Unsuccessful	0.928	0.743	IN-USE
199-N-16	Alkalinity	100-NR-2	FALSE	TU	256.84	36.00	0.94	7	2	3	2	33	33	0	Unsuccessful			IN-USE
199-N-165	Alkalinity	100-NR-2	FALSE		392.79	46.00	0.90	8	2	4	2	13	12	1	Unsuccessful			IN-USE
199-N-167	Alkalinity	100-NR-2	FALSE		131.35			2	1	0	1	3	3	0	Unsuccessful			IN-USE
199-N-169	Alkalinity	100-NR-2	FALSE		125.68			3	2	0	1	2	2	0	Unsuccessful			IN-USE
199-N-170	Alkalinity	100-NR-2	FALSE		115.74			2	1	0	1	2	2	0	Unsuccessful			DECOMMISSIONED-V
199-N-171	Alkalinity	100-NR-2	FALSE		107.52			2	1	0	1	2	2	0	Unsuccessful			IN-USE
199-N-172	Alkalinity	100-NR-2	FALSE		81.40			2	1	0	1	3	3	0	Unsuccessful			CANDIDATE FOR DECOMMISSIONING
199-N-173	Alkalinity	100-NR-2	FALSE		11.55			3	0	3	0	4	4	0	Unsuccessful			IN-USE
199-N-18	Alkalinity	100-NR-2	FALSE	TU	72.06	18.00	0.86	8	2	4	2	25	25	0	Unsuccessful			IN-USE
199-N-19	Alkalinity	100-NR-2	FALSE	TU	46.71	19.00	0.69	3	1	1	1	23			Unsuccessful			IN-USE
199-N-2	Alkalinity	100-NR-2	FALSE	TU	162.72	26.00	0.96	7	2	2	3	1077			Unsuccessful			IN-USE
199-N-21	Alkalinity	100-NR-2	FALSE	TU	56.84	23.00	0.73	2	0	2	0	11			Unsuccessful			IN-USE
199-N-26	Alkalinity	100-NR-2	FALSE	TU	68.55	0.00	0.75	1	1	0	0	735	735	0	Unsuccessful			DECOMMISSIONED-V

B-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-27	Alkalinity	100-NR-2	FALSE	TU	744.95	71.00	0.89	5	5	0	0	23	23	0	Unsuccessful			IN-USE
199-N-28	Alkalinity	100-NR-2	FALSE	TU	773.90	123.00	0.65	6	4	2	0	28	28	0	Unsuccessful			IN-USE
199-N-3	Alkalinity	100-NR-2	FALSE	TU	96.49	18.00	0.96	11	2	8	1	1081			Successful			IN-USE
199-N-32	Alkalinity	100-NR-2	FALSE	TU	597.15	63.00	0.93	13	6	3	4	30	30	0	Unsuccessful	0.617	0.512	IN-USE
199-N-34	Alkalinity	100-NR-2	FALSE	TU	493.33	51.00	0.98	7	3	1	3	352	352	0	Unsuccessful			IN-USE
199-N-41	Alkalinity	100-NR-2	FALSE	TU	679.36	35.00	0.91	9	4	2	3	27	9	18	Unsuccessful			IN-USE
199-N-46	Alkalinity	100-NR-2	FALSE	TU	14.06	7.00	0.92	13	6	4	3	40			Unsuccessful	0.141	0.286	IN-USE
199-N-50	Alkalinity	100-NR-2	FALSE	TU	413.89	16.00	0.97	3	1	1	1	942	942	0	Unsuccessful			IN-USE
199-N-51	Alkalinity	100-NR-2	FALSE	TU	65.23	18.00	0.82	3	1	1	1	24	24	0	Unsuccessful			IN-USE
199-N-52	Alkalinity	100-NR-2	FALSE	TU	1060.24	89.00	0.82	1	0	0	1	16	0	16	Unsuccessful			IN-USE
199-N-56	Alkalinity	100-NR-2	FALSE	TU	193.14	32.00	0.96	5	2	1	2	23	15	8	Unsuccessful			IN-USE
199-N-57	Alkalinity	100-NR-2	FALSE	TU	301.04	49.00	0.92	8	5	2	1	33	29	4	Unsuccessful			IN-USE
199-N-59	Alkalinity	100-NR-2	FALSE	TU	394.50			2	2	0	0	2	0	2	Unsuccessful			CANDIDATE FOR DECOMMISSIONING
199-N-64	Alkalinity	100-NR-2	FALSE	TU	429.67			8	2	4	2	8	5	3	Unsuccessful			IN-USE
199-N-67	Alkalinity	100-NR-2	FALSE	TU	218.55	33.00	0.95	15	6	6	3	43	43	0	Unsuccessful	0.585	0.387	IN-USE
199-N-69	Alkalinity	100-NR-2	FALSE	MU	206.88			3	2	1	0	4	0	4	Unsuccessful			IN-USE
199-N-70	Alkalinity	100-NR-2	FALSE	MU	613.63	56.00	0.83	4	4	0	0	18	0	18	Unsuccessful			IN-USE
199-N-71	Alkalinity	100-NR-2	FALSE	TU	751.08	81.00	0.91	7	1	6	0	1039	1039	0	Unsuccessful			IN-USE
199-N-72	Alkalinity	100-NR-2	FALSE	TU	361.61	45.00	0.94	8	2	4	2	855	855	0	Unsuccessful			IN-USE
199-N-73	Alkalinity	100-NR-2	FALSE	TU	404.29	50.00	0.89	8	4	3	1	23	23	0	Unsuccessful	0.277	0.314	IN-USE
199-N-74	Alkalinity	100-NR-2	FALSE	TU	953.39	97.00	0.91	7	3	3	1	30	30	0	Unsuccessful	0.402	0.700	IN-USE
199-N-75	Alkalinity	100-NR-2	FALSE	TU	86.93	24.00	0.94	12	3	6	3	15	15	0	Unsuccessful	0.884	0.690	IN-USE
199-N-76	Alkalinity	100-NR-2	FALSE	TU	85.22	15.00	0.94	11	3	8	0	437	437	0	Unsuccessful	0.279	0.461	IN-USE
199-N-77	Alkalinity	100-NR-2	FALSE	MU	371.61	49.00	0.90	5	1	3	1	22	0	22	Unsuccessful			IN-USE
199-N-80	Alkalinity	100-NR-2	FALSE	MU	107.21	0.00	0.82	4	0	3	1	20			Unsuccessful			IN-USE
199-N-81	Alkalinity	100-NR-2	FALSE	TU	603.35	53.00	0.83	8	4	1	3	28	28	0	Unsuccessful			IN-USE
199-N-92A	Alkalinity	100-NR-2	FALSE	TU	6.01	9.00	0.81	9	1	7	1	950			Unsuccessful			IN-USE
199-N-96A	Alkalinity	100-NR-2	FALSE	TU	4.53	11.00	0.85	16	6	7	3	48			Unsuccessful	0.000	0.001	IN-USE
199-N-99A	Alkalinity	100-NR-2	FALSE	TU	7.18	3.00	0.92	18	5	8	5	1095			Unsuccessful	0.144	0.100	IN-USE
399-1-1	Alkalinity	300-FF-5	FALSE	TU	49.65	16.00	0.92	9	6	1	2	29			Successful			IN-USE
399-1-10A	Alkalinity	300-FF-5	FALSE	TU	35.48	9.00	0.85	42	17	20	5	77	77	0	Successful	0.000	0.000	IN-USE
399-1-10B	Alkalinity	300-FF-5	FALSE	LU	31.10	5.00	0.86	10	5	3	2	47	0	47	Unsuccessful	0.627	0.821	IN-USE
399-1-11	Alkalinity	300-FF-5	FALSE	TU	281.08	25.00	0.83	10	6	2	2	27	27	0	Unsuccessful			IN-USE
399-1-12	Alkalinity	300-FF-5	FALSE	UU	362.68	5.00	0.91	9	5	2	2	25	0	25	Successful			IN-USE
399-1-15	Alkalinity	300-FF-5	FALSE	TU	362.21	5.00	0.86	10	6	2	2	26	26	0	Successful			IN-USE
399-1-16A	Alkalinity	300-FF-5	FALSE	TU	119.70	9.00	0.85	41	17	18	6	76	76	0	Successful	0.000	0.000	IN-USE
399-1-16B	Alkalinity	300-FF-5	FALSE	LU	114.34	2.00	0.88	10	5	2	3	56	0	56	Unsuccessful			IN-USE
399-1-16C	Alkalinity	300-FF-5	FALSE	CR	126.71			4	1	1	2	6			Unsuccessful			IN-USE
399-1-17A	Alkalinity	300-FF-5	FALSE	TU	316.13	12.00	0.89	42	18	18	6	76	76	0	Unsuccessful	0.158	0.040	IN-USE
399-1-17B	Alkalinity	300-FF-5	FALSE	MU	323.25	7.00	0.91	10	5	2	3	56	0	56	Unsuccessful			IN-USE
399-1-17C	Alkalinity	300-FF-5	FALSE	CR	325.08	42.00	0.49	4	1	1	2	20	0	20	Unsuccessful			IN-USE
399-1-18A	Alkalinity	300-FF-5	FALSE	TU	446.99	17.00	0.91	8	4	3	1	61	61	0	Unsuccessful	0.391	1.000	IN-USE
399-1-18B	Alkalinity	300-FF-5	FALSE	MU	451.64	11.00	0.92	19	7	8	4	57	0	57	Unsuccessful	0.287	0.267	IN-USE
399-1-18C	Alkalinity	300-FF-5	FALSE	LU	445.43	7.00	0.93	8	1	3	4	19	0	19	Unsuccessful			IN-USE
399-1-2	Alkalinity	300-FF-5	FALSE	TU	365.53	10.00	0.93	35	16	14	5	40			Unsuccessful	0.165	0.023	IN-USE
399-1-21A	Alkalinity	300-FF-5	FALSE	TU	322.66	10.00	0.94	40	18	18	4	42	42	0	Unsuccessful	0.157	0.072	IN-USE
399-1-21B	Alkalinity	300-FF-5	FALSE	LU	328.47	11.00	0.98	9	6	1	2	11	0	11	Unsuccessful			IN-USE
399-1-23	Alkalinity	300-FF-5	FALSE	TU	309.84	10.00	0.91	17	4	10	3	31	31	0	Successful	0.024	0.001	IN-USE

B-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
399-1-54	Alkalinity	300-FF-5	FALSE		116.49			2	0	2	0	2	2	0	Unsuccessful			IN-USE
399-1-55	Alkalinity	300-FF-5	FALSE		270.15			2	0	2	0	2	0	2	Unsuccessful			IN-USE
399-1-56	Alkalinity	300-FF-5	FALSE		290.99			2	0	2	0	2	2	0	Unsuccessful			IN-USE
399-1-57	Alkalinity	300-FF-5	FALSE		64.96			2	0	2	0	2	0	2	Unsuccessful			IN-USE
399-1-58	Alkalinity	300-FF-5	FALSE		526.82			2	0	2	0	3	1	2	Unsuccessful			IN-USE
399-1-59	Alkalinity	300-FF-5	FALSE		416.65			2	0	2	0	2	2	0	Unsuccessful			IN-USE
399-1-6	Alkalinity	300-FF-5	FALSE	TU	216.53	4.00	0.91	11	5	3	3	27	27	0	Successful	0.421	1.000	IN-USE
399-1-62	Alkalinity	300-FF-5	FALSE		176.90			1	0	1	0	1	1	0	Unsuccessful			IN-USE
399-1-64	Alkalinity	300-FF-5	FALSE		295.56			1	0	1	0	1	1	0	Unsuccessful			IN-USE
399-1-7	Alkalinity	300-FF-5	FALSE	TU	188.14	13.00	0.95	9	4	3	2	25	25	0	Successful	0.307	0.571	IN-USE
399-1-8	Alkalinity	300-FF-5	FALSE	LU	191.18	6.00	0.96	10	6	2	2	22	0	22	Unsuccessful			IN-USE
399-1-9	Alkalinity	300-FF-5	FALSE	CR	194.79	6.00	0.37	5	1	1	3	20	0	20	Unsuccessful			IN-USE
399-2-1	Alkalinity	300-FF-5	FALSE	TU	46.90	6.00	0.90	22	10	10	2	40			Successful	0.000	0.000	IN-USE
399-2-2	Alkalinity	300-FF-5	FALSE	TU	77.99	8.00	0.94	11	6	2	3	25	13	12	Successful			IN-USE
399-2-32	Alkalinity	300-FF-5	FALSE		201.42			1	0	1	0	1	1	0	Unsuccessful			IN-USE
399-2-5	Alkalinity	300-FF-5	FALSE	TU	233.84	4.00	0.99	15	5	7	3	13	13	0	Successful	0.071	0.006	IN-USE
399-3-1	Alkalinity	300-FF-5	FALSE	TU	52.21	11.00	0.89	9	5	2	2	21			Successful			IN-USE
399-3-10	Alkalinity	300-FF-5	FALSE	TU	51.21	7.00	0.94	20	9	8	3	37	37	0	Successful	0.000	0.000	IN-USE
399-3-11	Alkalinity	300-FF-5	FALSE	TU	270.68	1.00	0.93	11	4	5	2	22	22	0	Unsuccessful	0.091	0.063	DECOMMISSIONED-V
399-3-12	Alkalinity	300-FF-5	FALSE	TU	326.21	0.00	0.72	12	5	3	4	29			Unsuccessful	0.061	0.071	IN-USE
399-3-18	Alkalinity	300-FF-5	FALSE	TU	64.99	5.00	0.92	43	17	17	9	56	56	0	Successful	0.000	0.000	IN-USE
399-3-19	Alkalinity	300-FF-5	FALSE	TU	452.16	2.00	0.93	13	5	6	2	25	25	0	Successful	0.016	0.002	IN-USE
399-3-2	Alkalinity	300-FF-5	FALSE	TU	642.05	1.00	0.85	9	7	0	2	13			Unsuccessful			IN-USE
399-3-20	Alkalinity	300-FF-5	FALSE	TU	201.03	0.00	0.85	21	9	9	3	35	35	0	Successful	0.093	0.006	IN-USE
399-3-21	Alkalinity	300-FF-5	FALSE	LU	195.70	8.00	0.91	17	8	7	2	25	0	25	Unsuccessful	0.065	0.065	IN-USE
399-3-22	Alkalinity	300-FF-5	FALSE	LU	322.20	0.00	0.75	15	6	6	3	13	0	13	Unsuccessful	0.005	0.013	IN-USE
399-3-33	Alkalinity	300-FF-5	FALSE		45.33			2	0	2	0	2	2	0	Unsuccessful			IN-USE
399-3-38	Alkalinity	300-FF-5	FALSE		205.42			1	0	1	0	1	0	1	Unsuccessful			IN-USE
399-3-6	Alkalinity	300-FF-5	FALSE	TU	607.79	6.00	0.81	14	8	4	2	32			Successful	0.003	0.006	IN-USE
399-3-9	Alkalinity	300-FF-5	FALSE	TU	57.06	0.00	0.81	13	7	3	3	29	19	10	Successful	0.054	0.033	IN-USE
399-4-1	Alkalinity	300-FF-5	FALSE	TU	372.17	3.00	0.92	10	5	2	3	23			Unsuccessful			IN-USE
399-4-10	Alkalinity	300-FF-5	FALSE	TU	57.37	21.00	0.85	10	5	2	3	27	27	0	Successful			IN-USE
399-4-11	Alkalinity	300-FF-5	FALSE	TU	498.54	12.00	0.96	5	2	3	0	22	21	1	Unsuccessful			IN-USE
399-4-12	Alkalinity	300-FF-5	FALSE	TU	150.61			12	4	5	3				Unsuccessful	0.599	0.889	IN-USE
399-4-14	Alkalinity	300-FF-5	FALSE	TU	235.04	3.00	0.80	17	6	7	4	16	16	0	Unsuccessful	0.751	1.000	IN-USE
399-4-15	Alkalinity	300-FF-5	FALSE		253.71			2	0	2	0	2	2	0	Unsuccessful			IN-USE
399-4-7	Alkalinity	300-FF-5	FALSE	TU	73.63	8.00	0.84	10	6	2	2	26			Successful			IN-USE
399-4-9	Alkalinity	300-FF-5	FALSE	TU	57.63	0.00	0.76	13	7	3	3	27	21	6	Successful	0.015	0.042	IN-USE
399-5-1	Alkalinity	300-FF-5	FALSE	TU	868.77	15.00	0.91	1	0	0	1	17			Unsuccessful			IN-USE
399-5-2	Alkalinity	1100-EM-1	FALSE	UC	1796.71	86.00	0.56	3	2	1	0	18			Unsuccessful			IN-USE
399-5-4B	Alkalinity	300-FF-5	FALSE	TU	845.04	15.00	0.85	12	5	3	4	25	25	0	Successful	0.102	0.196	IN-USE
399-6-3	Alkalinity	300-FF-5	FALSE		800.50			1	0	1	0	1	1	0	Unsuccessful			IN-USE
399-6-5	Alkalinity	300-FF-5	FALSE		710.61			1	0	1	0	1	1	0	Unsuccessful			IN-USE
399-8-1	Alkalinity	300-FF-5	FALSE	TU	803.55	13.00	0.92	13	6	5	2	31			Unsuccessful	0.040	0.080	IN-USE
399-8-3	Alkalinity	300-FF-5	FALSE	TU	757.24	17.00	0.92	12	5	4	3	31			Unsuccessful	0.976	1.000	IN-USE
399-8-5A	Alkalinity	300-FF-5	FALSE	TU	1009.13	21.00	0.89	19	8	5	6	36	36	0	Unsuccessful	0.066	0.138	IN-USE
399-8-5C	Alkalinity	300-FF-5	FALSE	CR	1006.73	41.00	0.62	1	1	0	0	16	0	16	Unsuccessful			IN-USE

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

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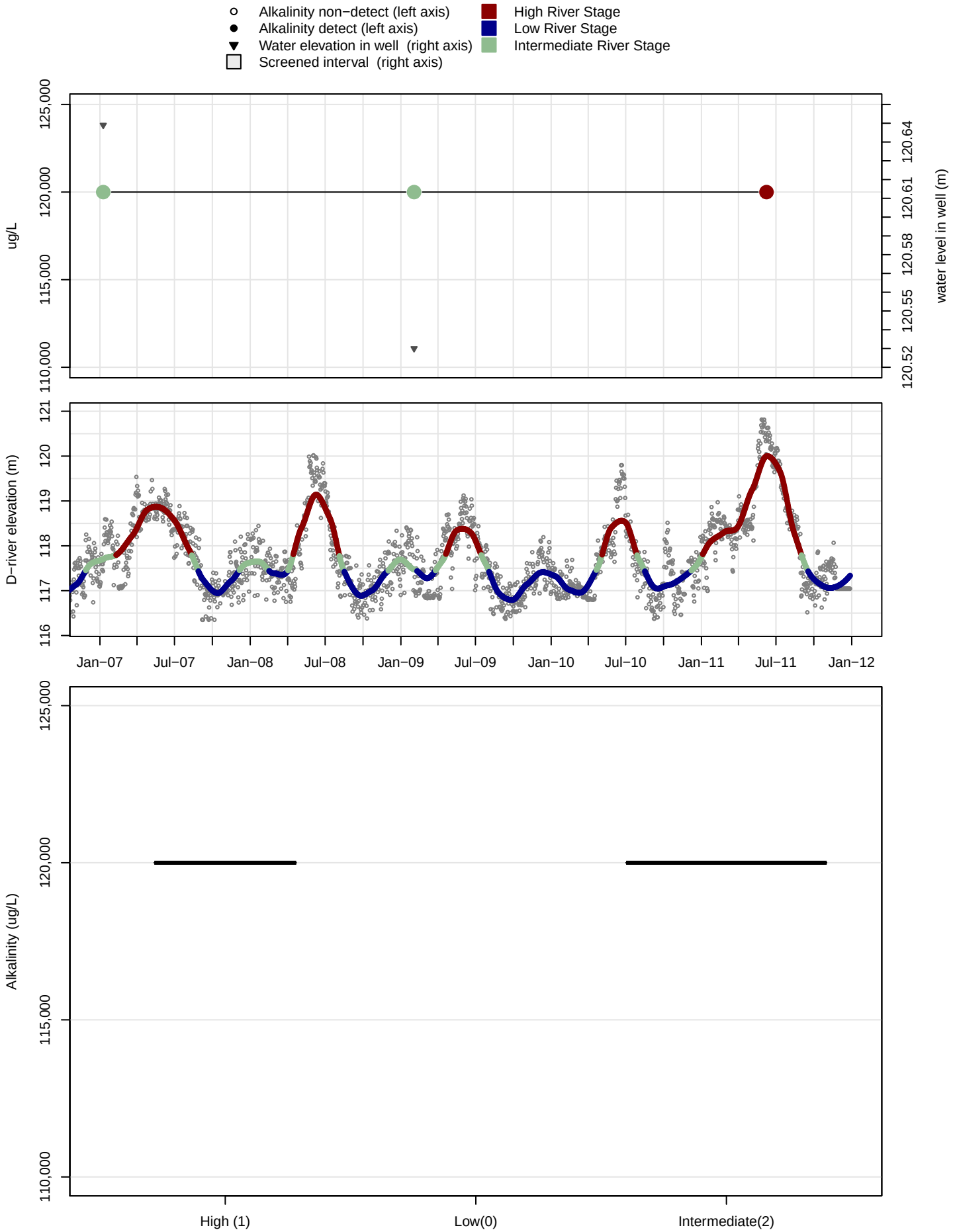
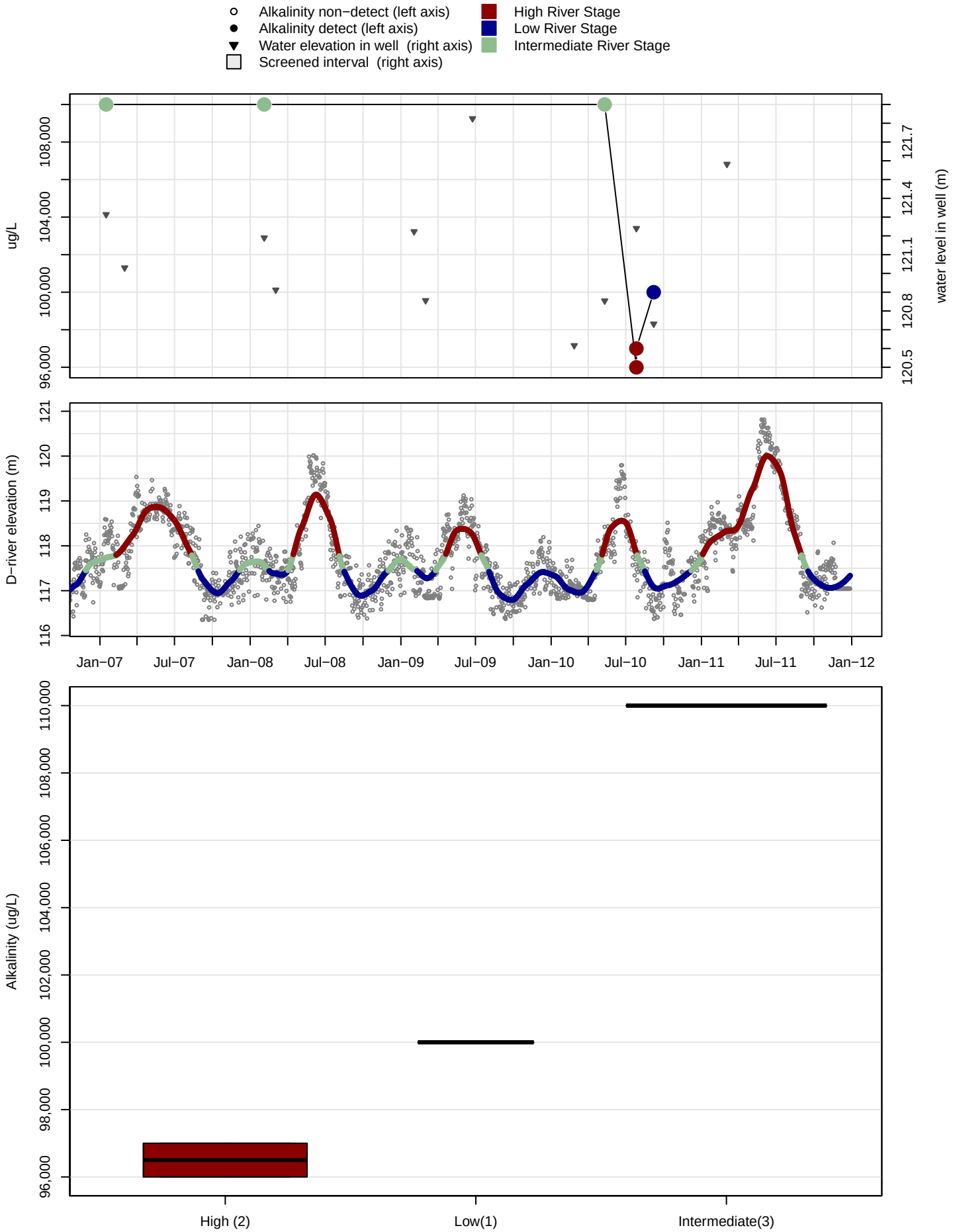
199−B2−12 (70m) Lag (Indeterminate)



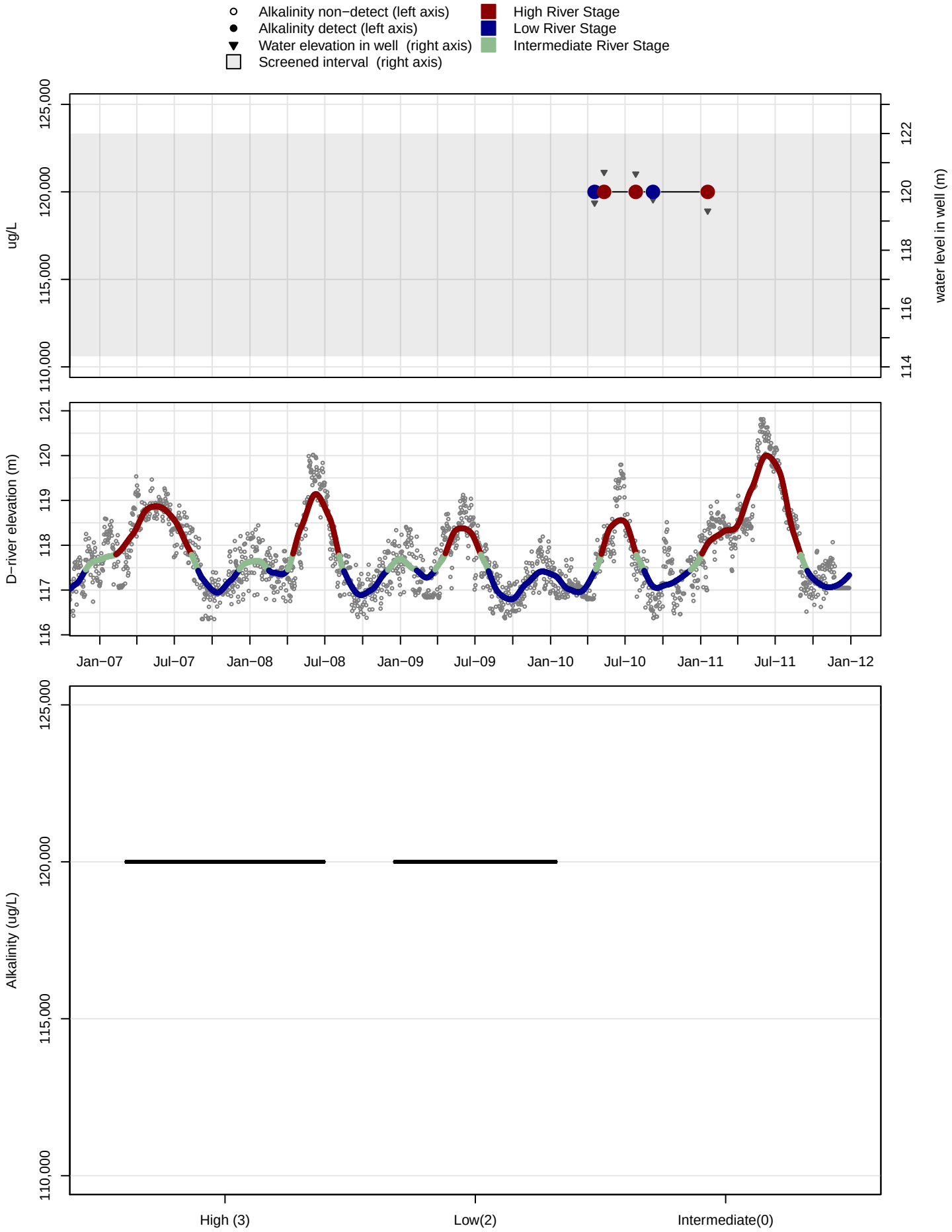
Mann Whitney p = NA t−test p = NA

199−B2−13 (109m) Lag (14 Days)



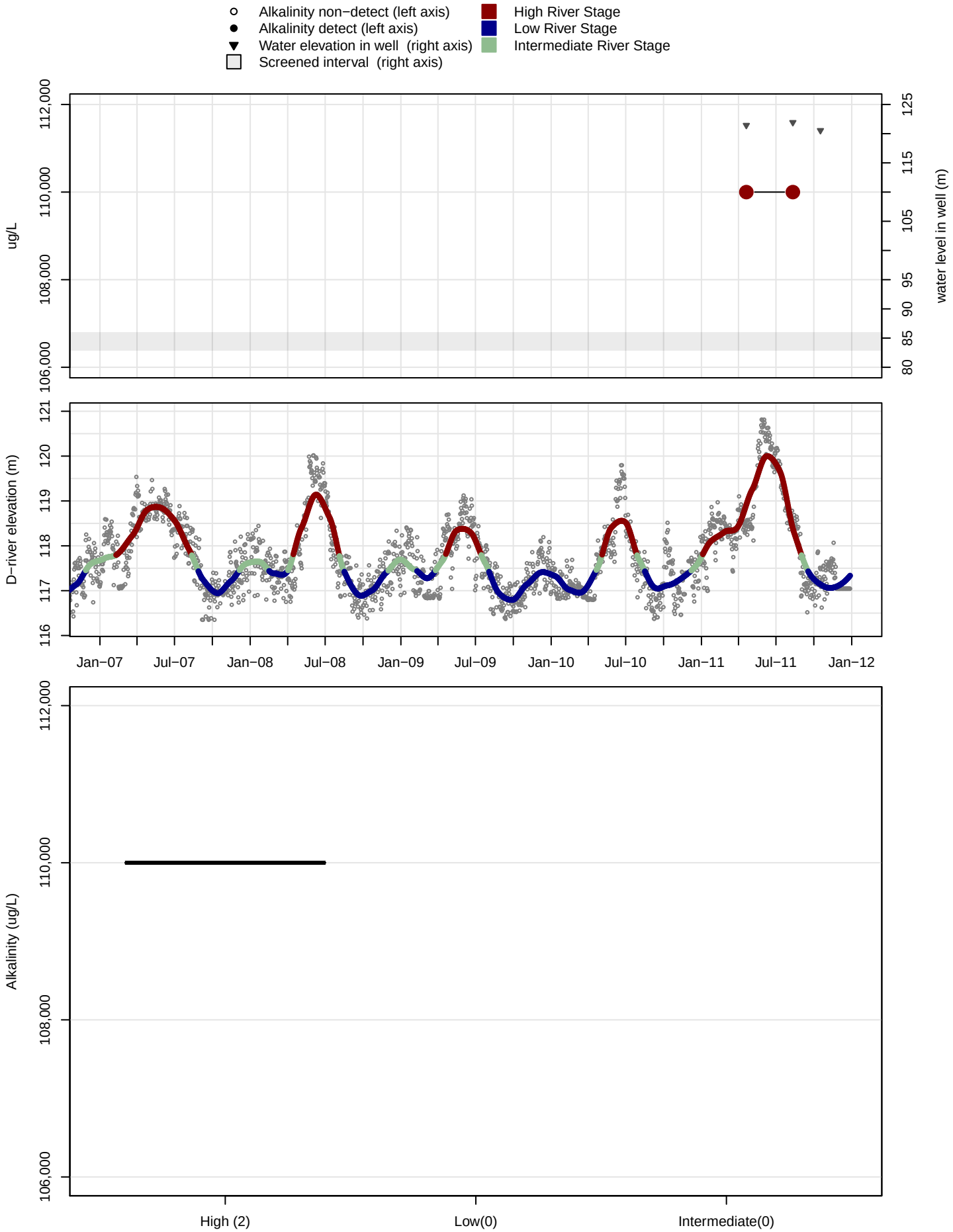
Mann Whitney p = NA t−test p = NA

199−B2−14 (137m) Lag (Indeterminate)



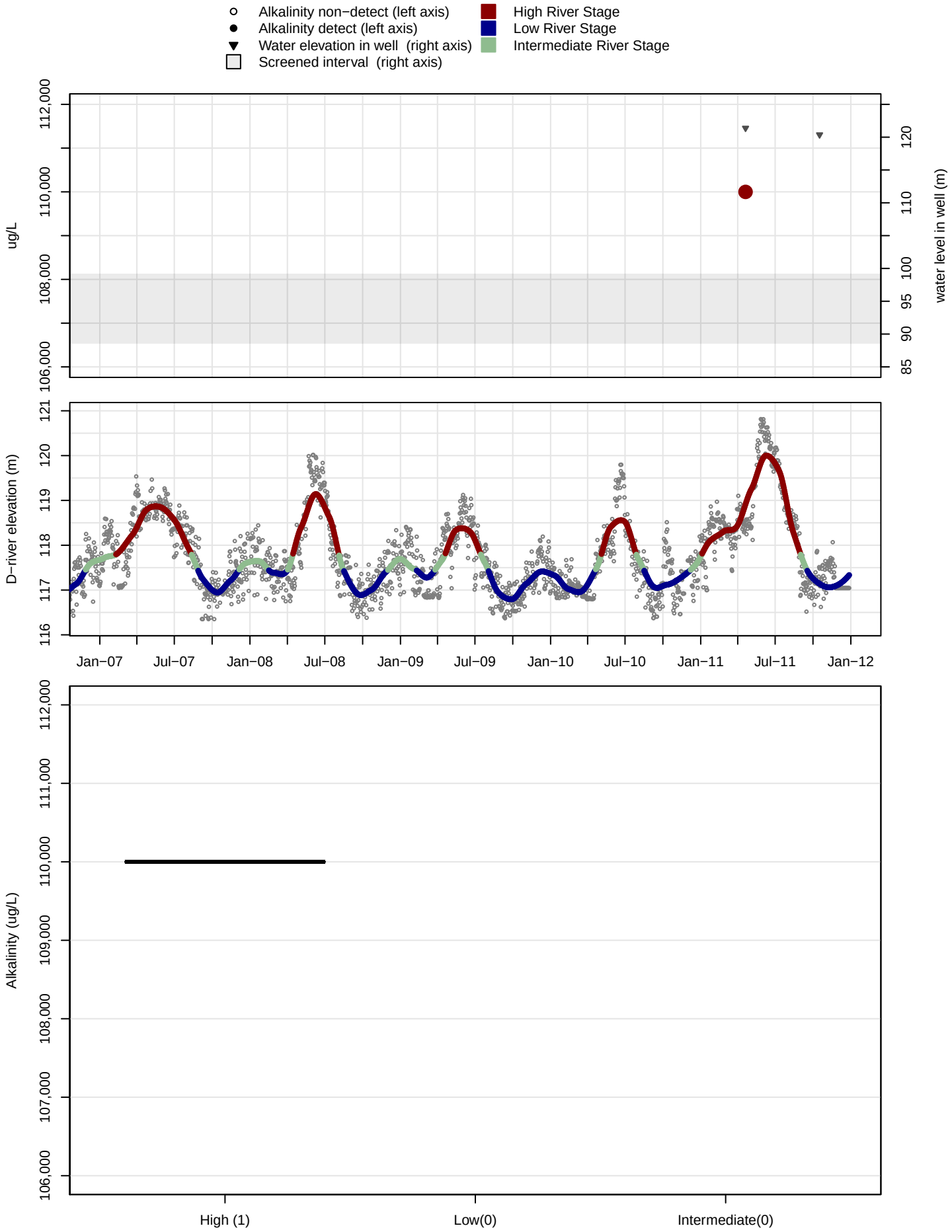
Mann Whitney p = NA t−test p = NA

199−B2−15 (137m) Lag (Indeterminate)



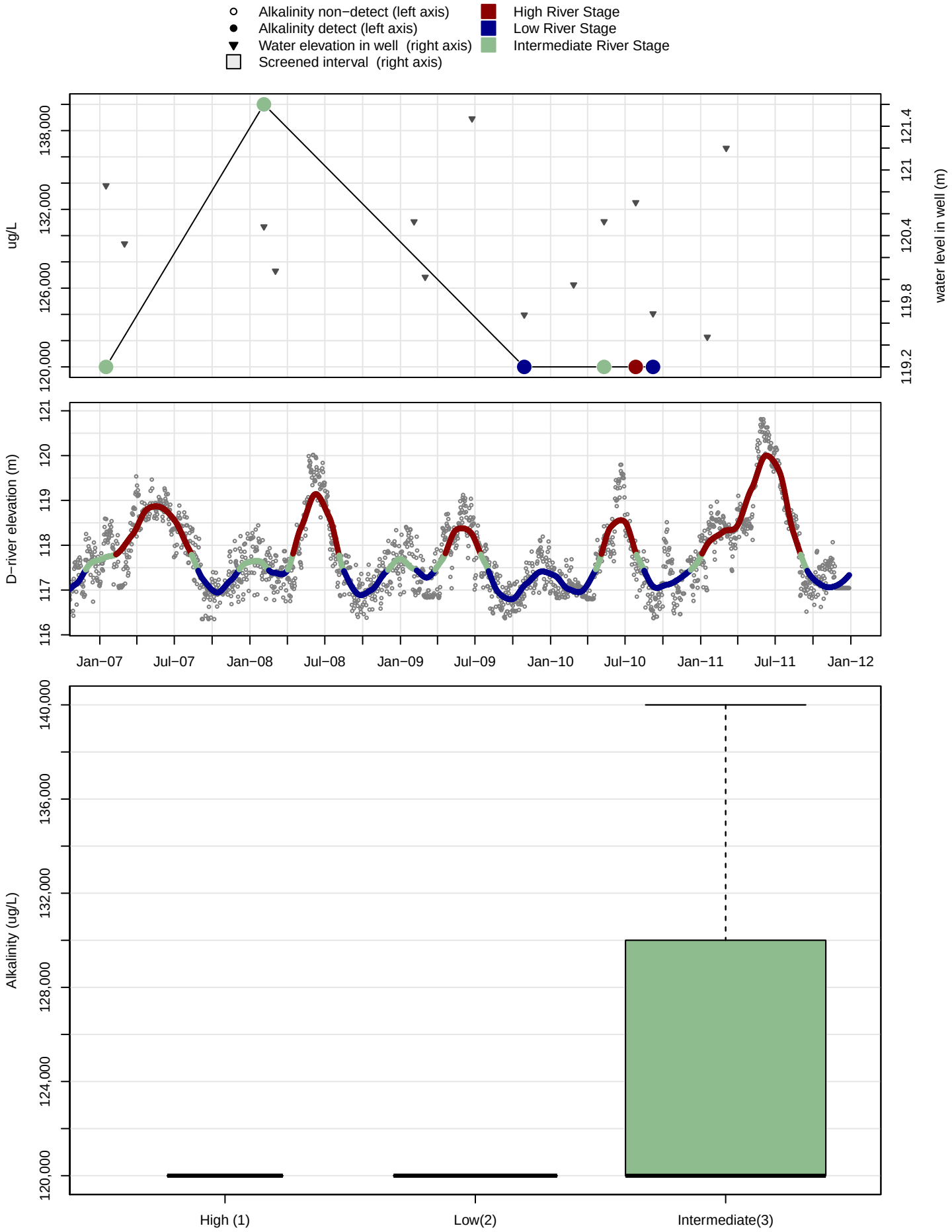
Mann Whitney p = NA t−test p = NA

199−B2−16 (74m) Lag (Indeterminate)



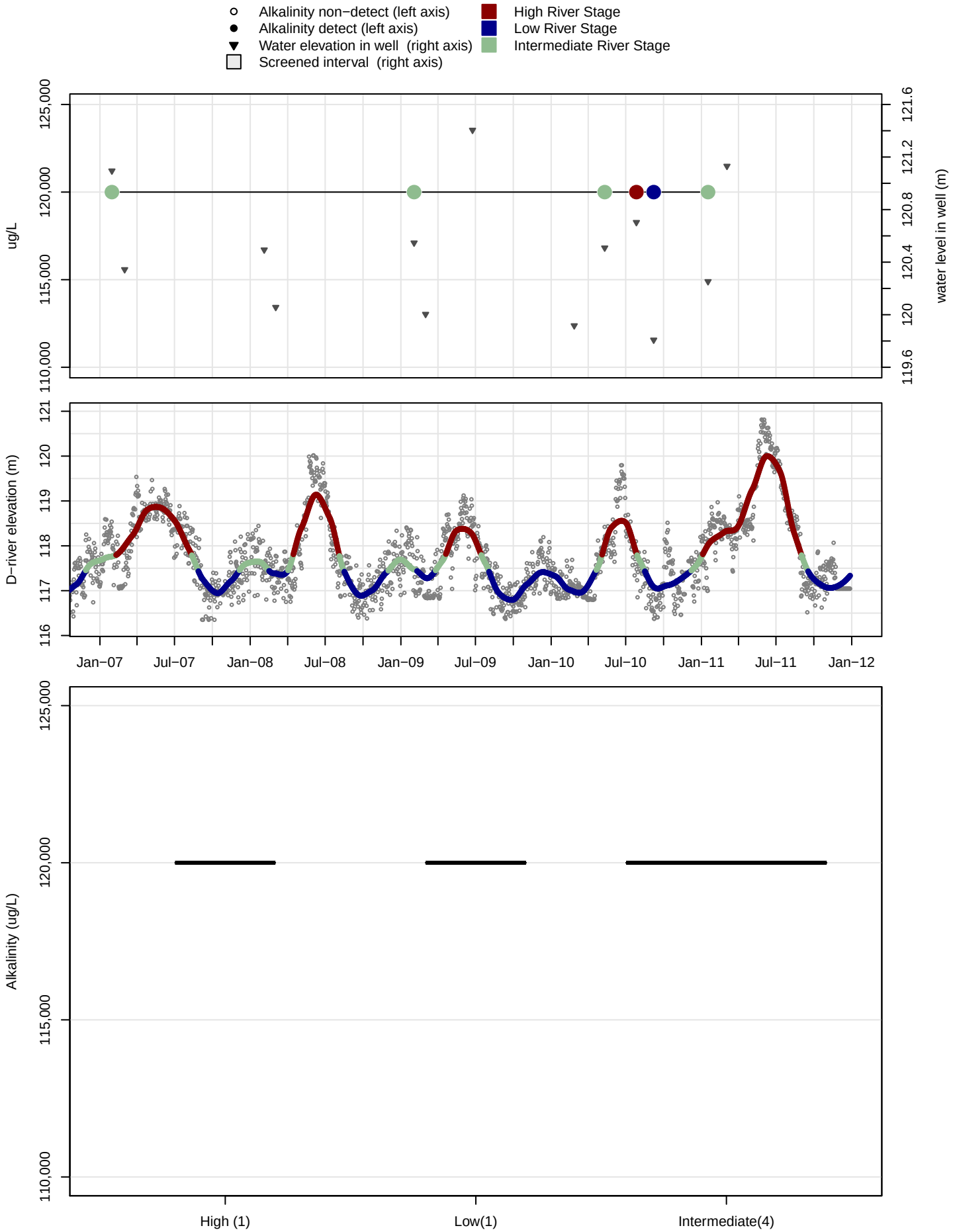
Mann Whitney p = NA t−test p = NA

199−B3−1 (132m) Lag (13 Days)



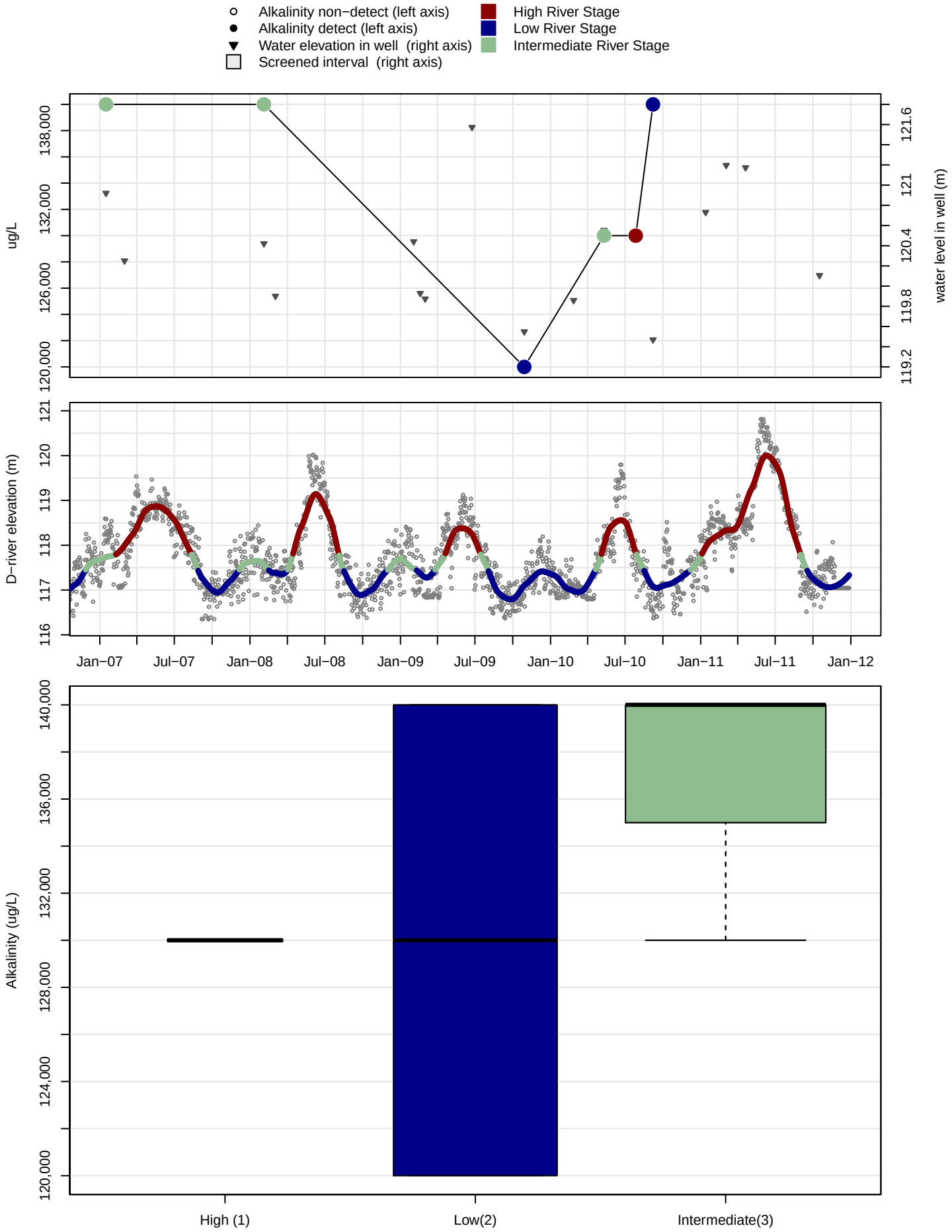
Mann Whitney p = NA t−test p = NA

199−B3−46 (210m) Lag (11 Days)



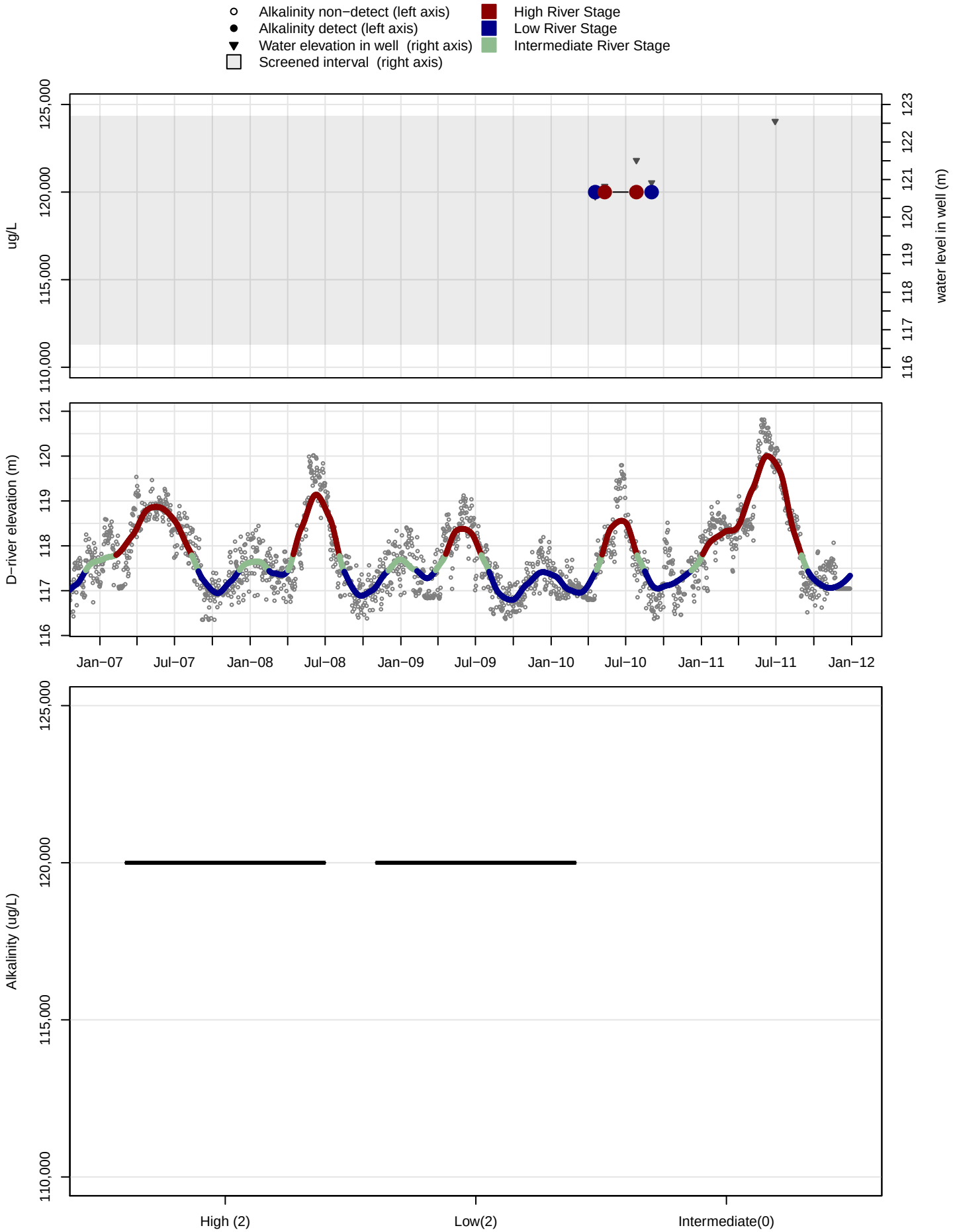
Mann Whitney p = NA t−test p = NA

199−B3−47 (71m) Lag (6 Days)



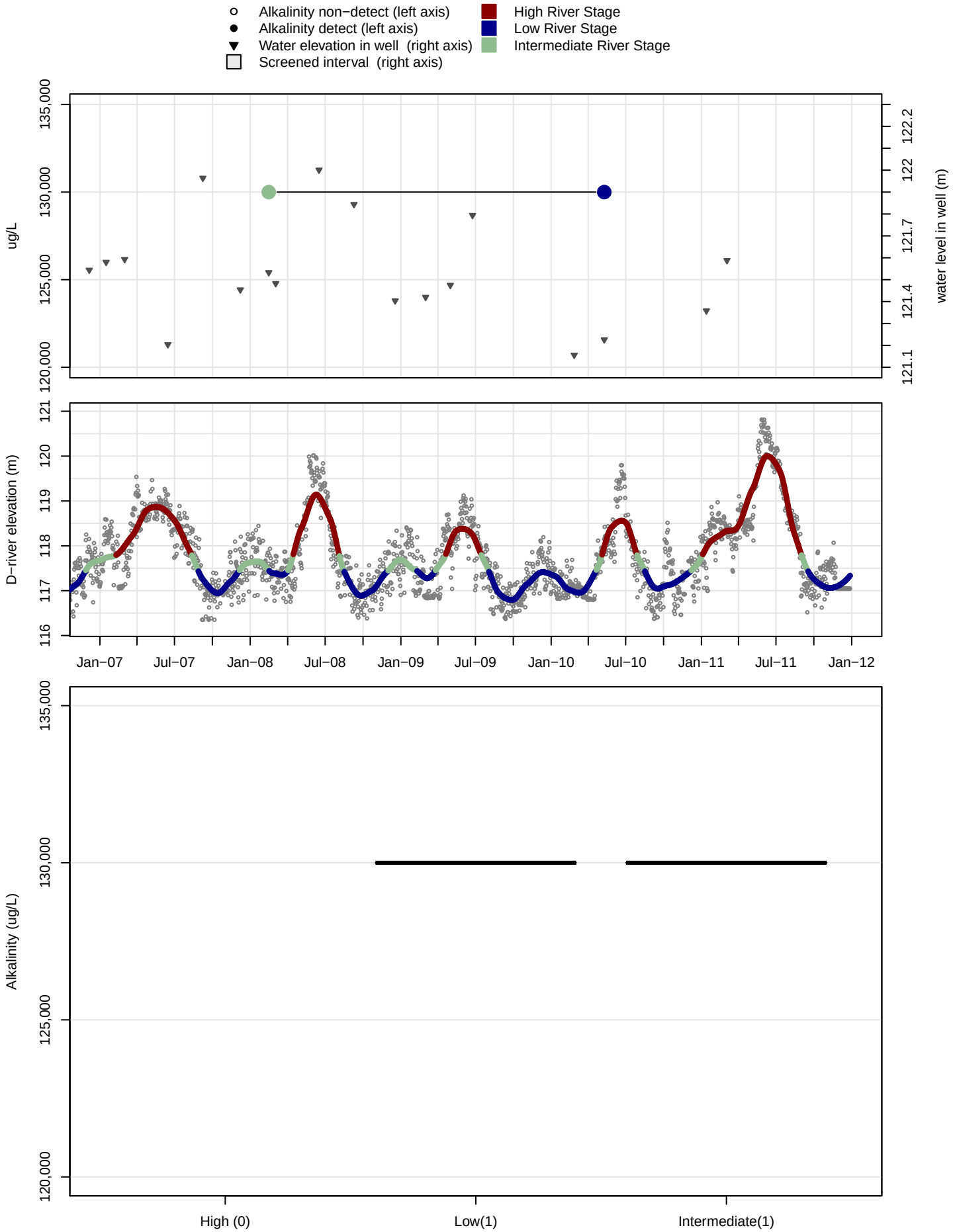
Mann Whitney p = NA t−test p = NA

199−B3−50 (545m) Lag (Indeterminate)



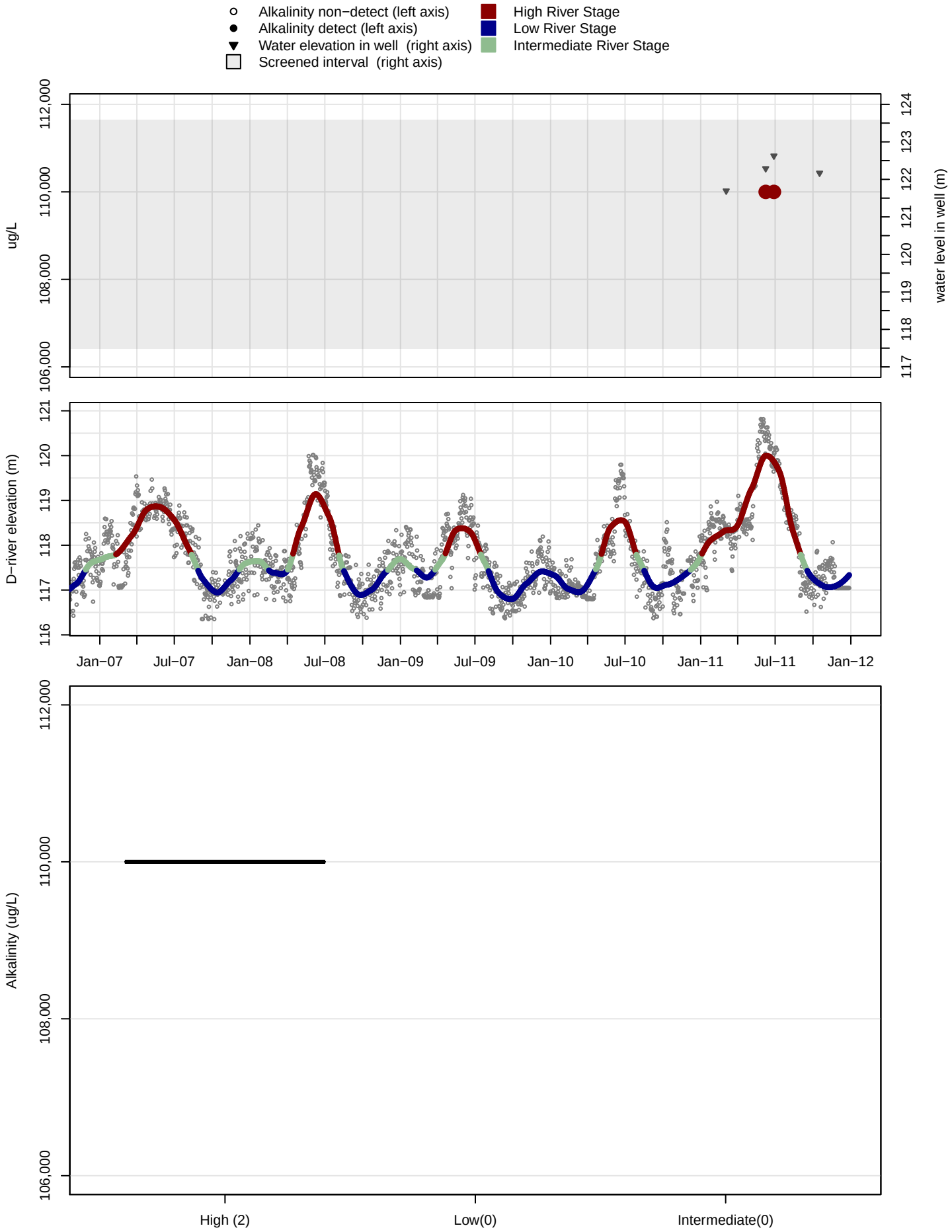
Mann Whitney p = NA t−test p = NA

199−B4−1 (604m) Lag (48 Days)



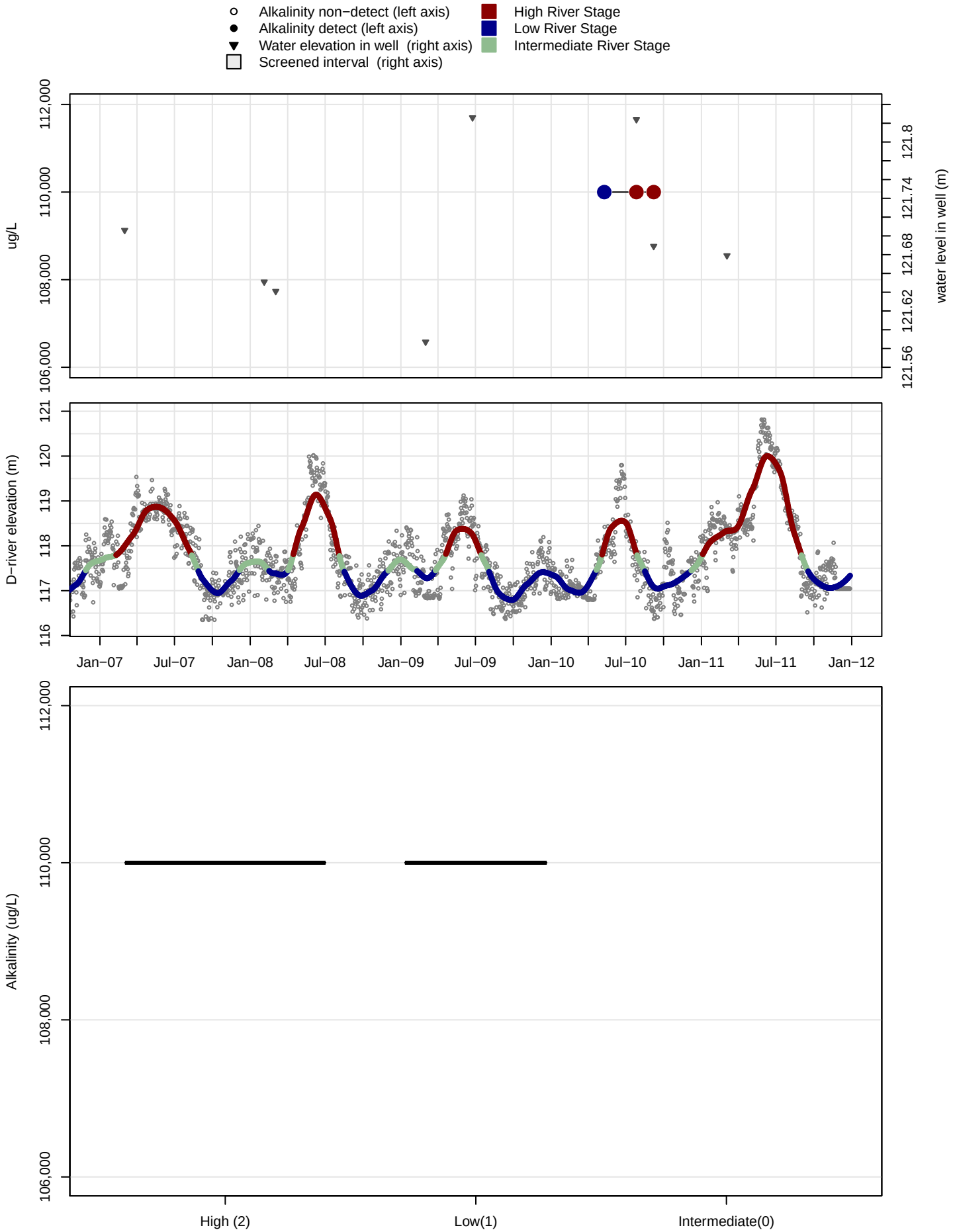
Mann Whitney p = NA t−test p = NA

199−B4−14 (935m) Lag (Indeterminate)



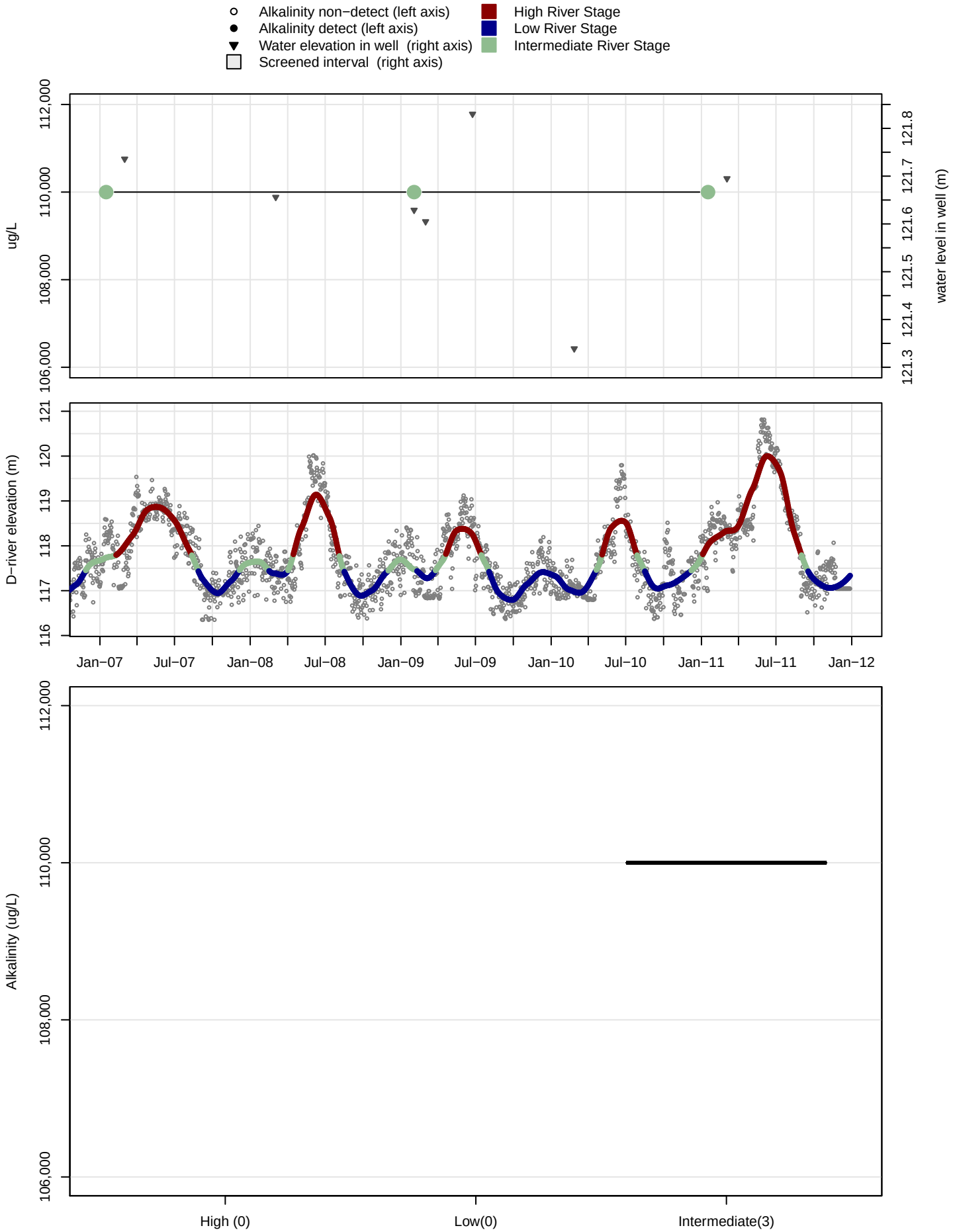
Mann Whitney p = NA t−test p = NA

199−B4−4 (920m) Lag (40 Days)



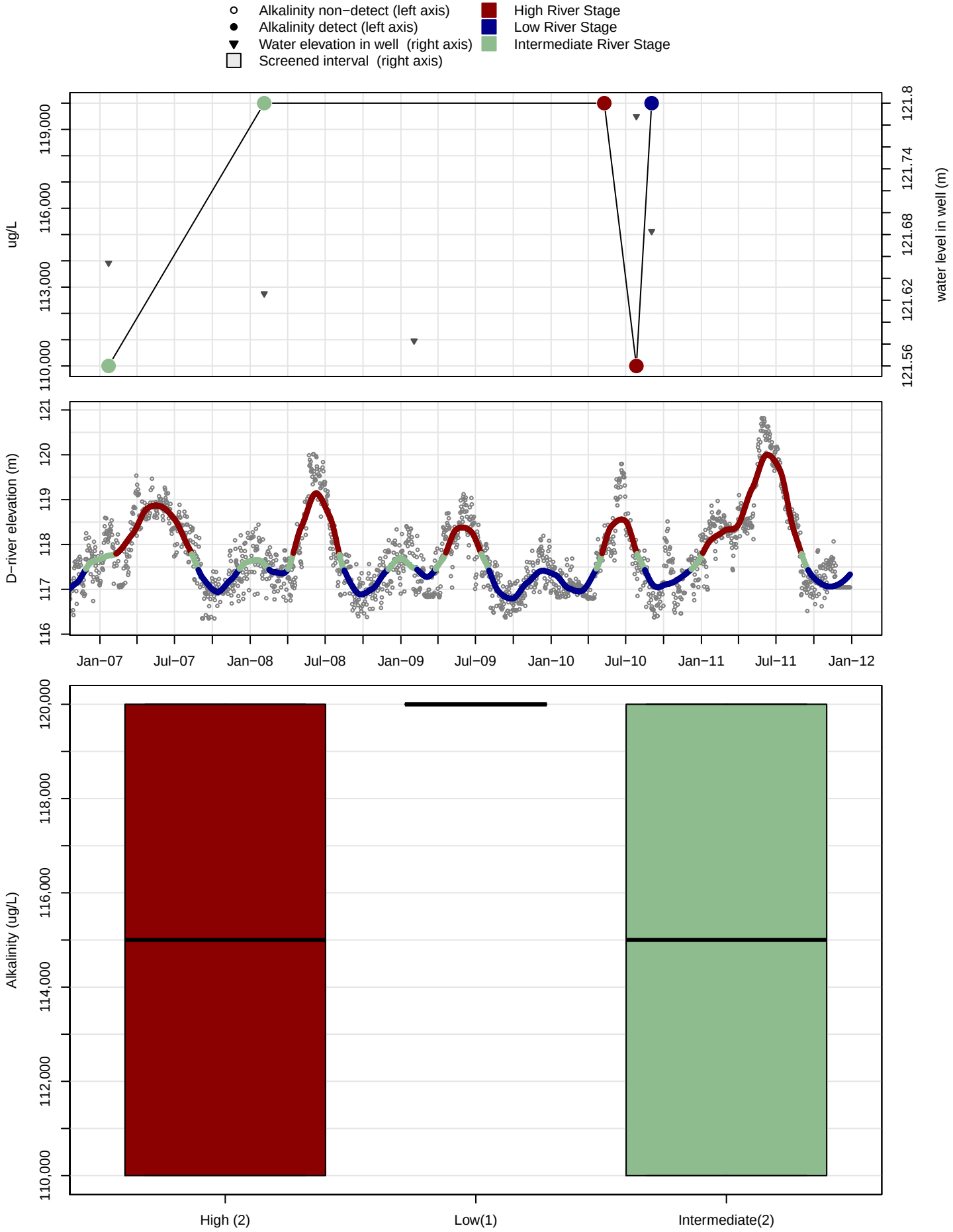
Mann Whitney p = NA t−test p = NA

199−B4−7 (1013m) Lag (19 Days)



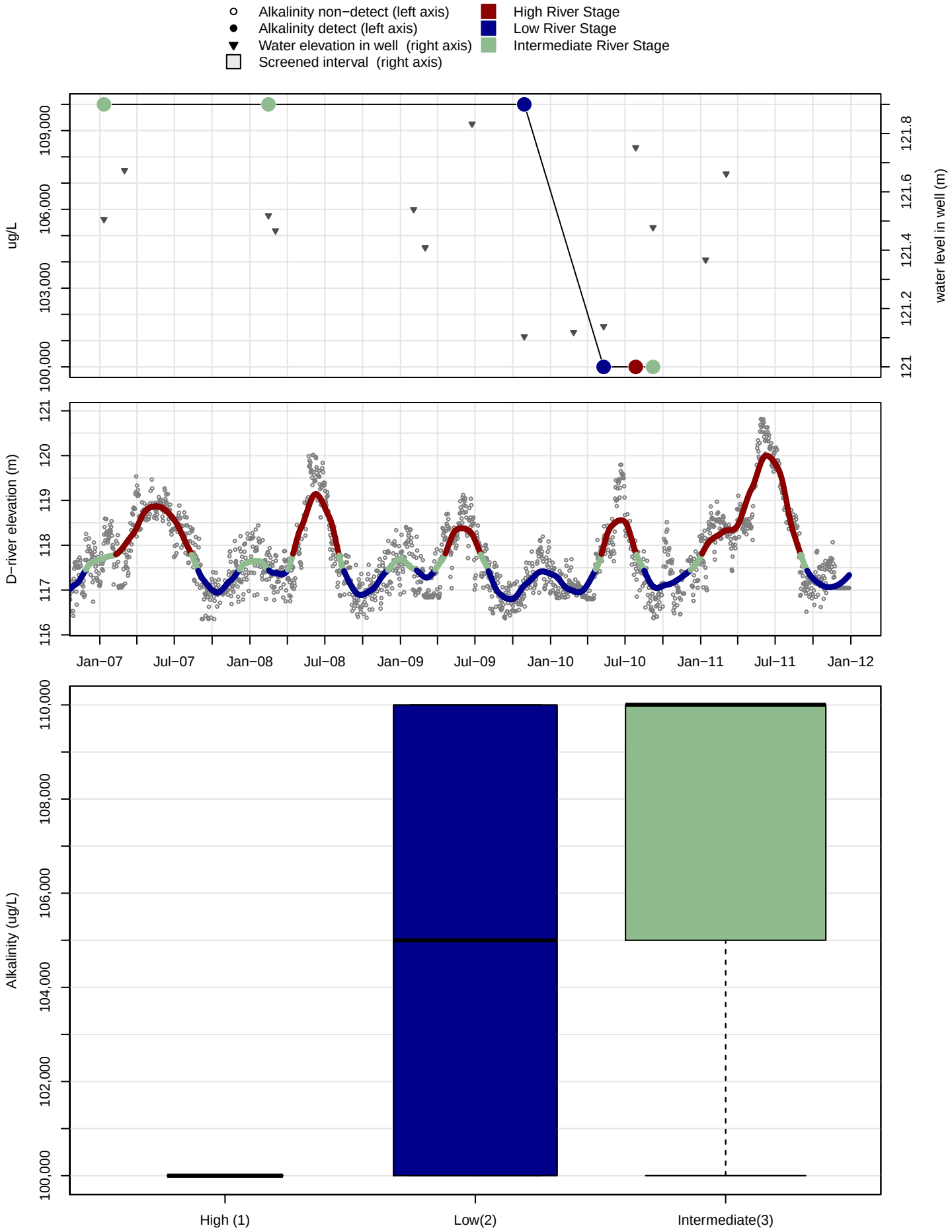
Mann Whitney p = NA t−test p = NA

199−B4−8 (804m) Lag (Indeterminate)



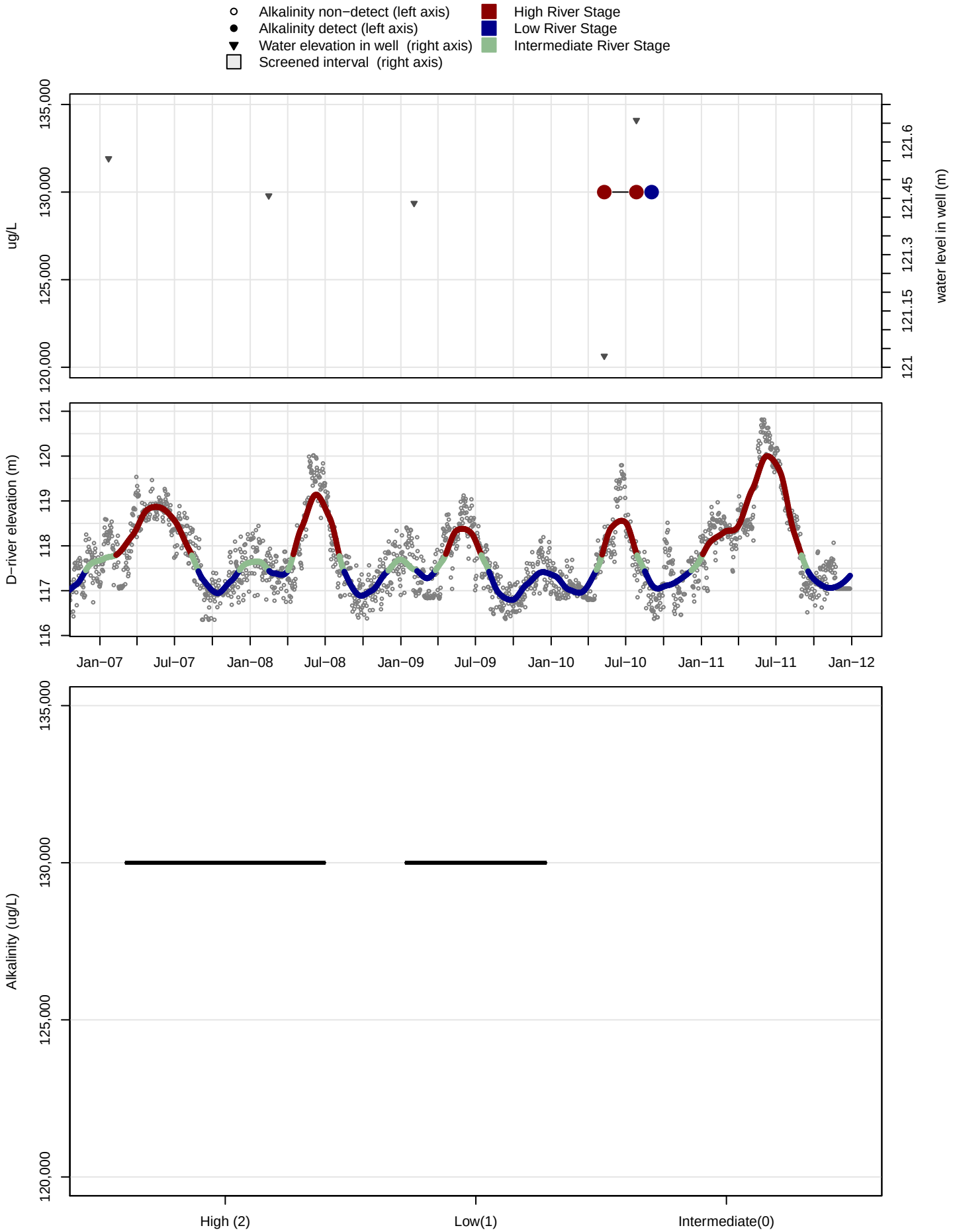
Mann Whitney p = NA t−test p = NA

199−B5−1 (478m) Lag (30 Days)



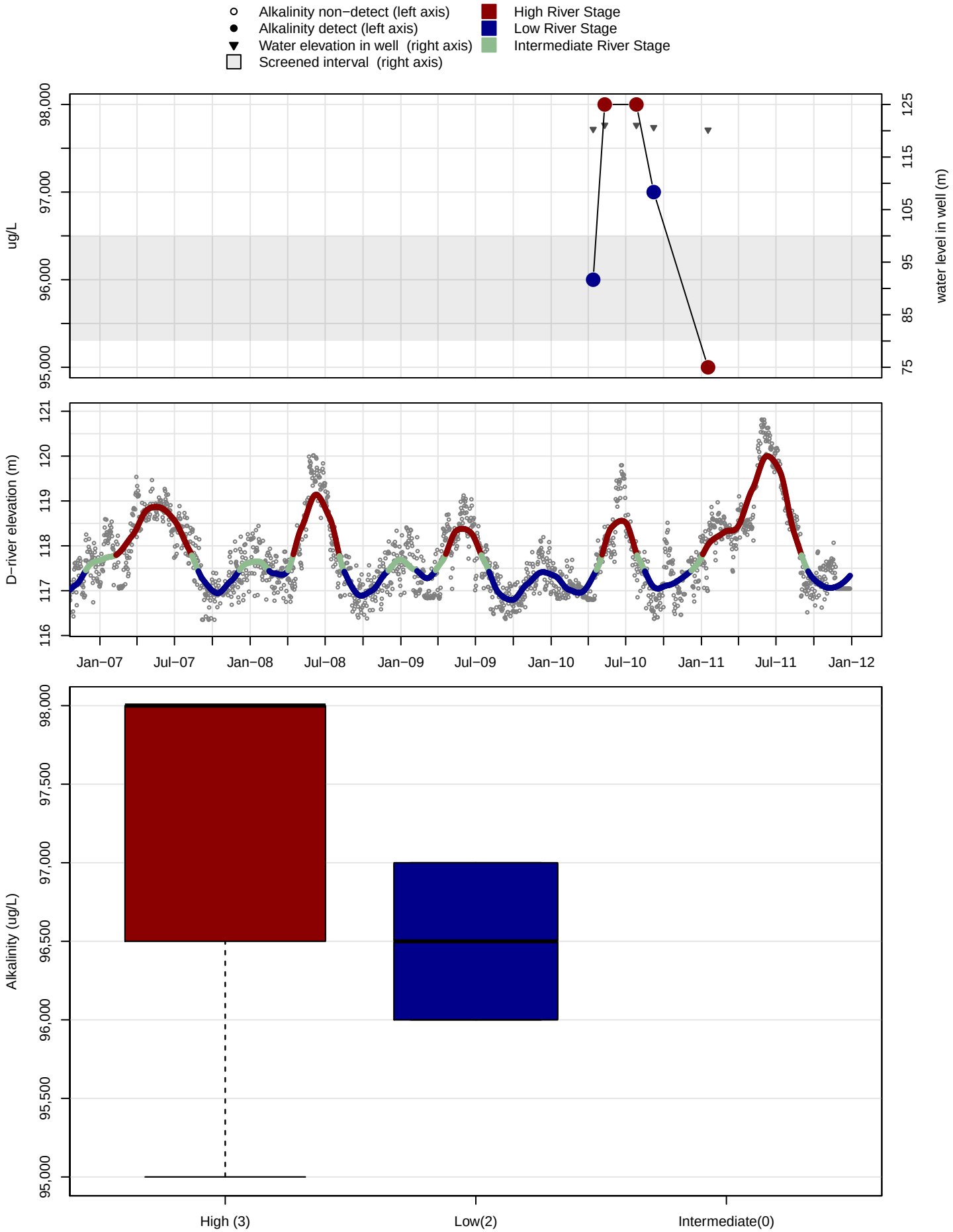
Mann Whitney p = NA t−test p = NA

199−B5−2 (478m) Lag (Indeterminate)



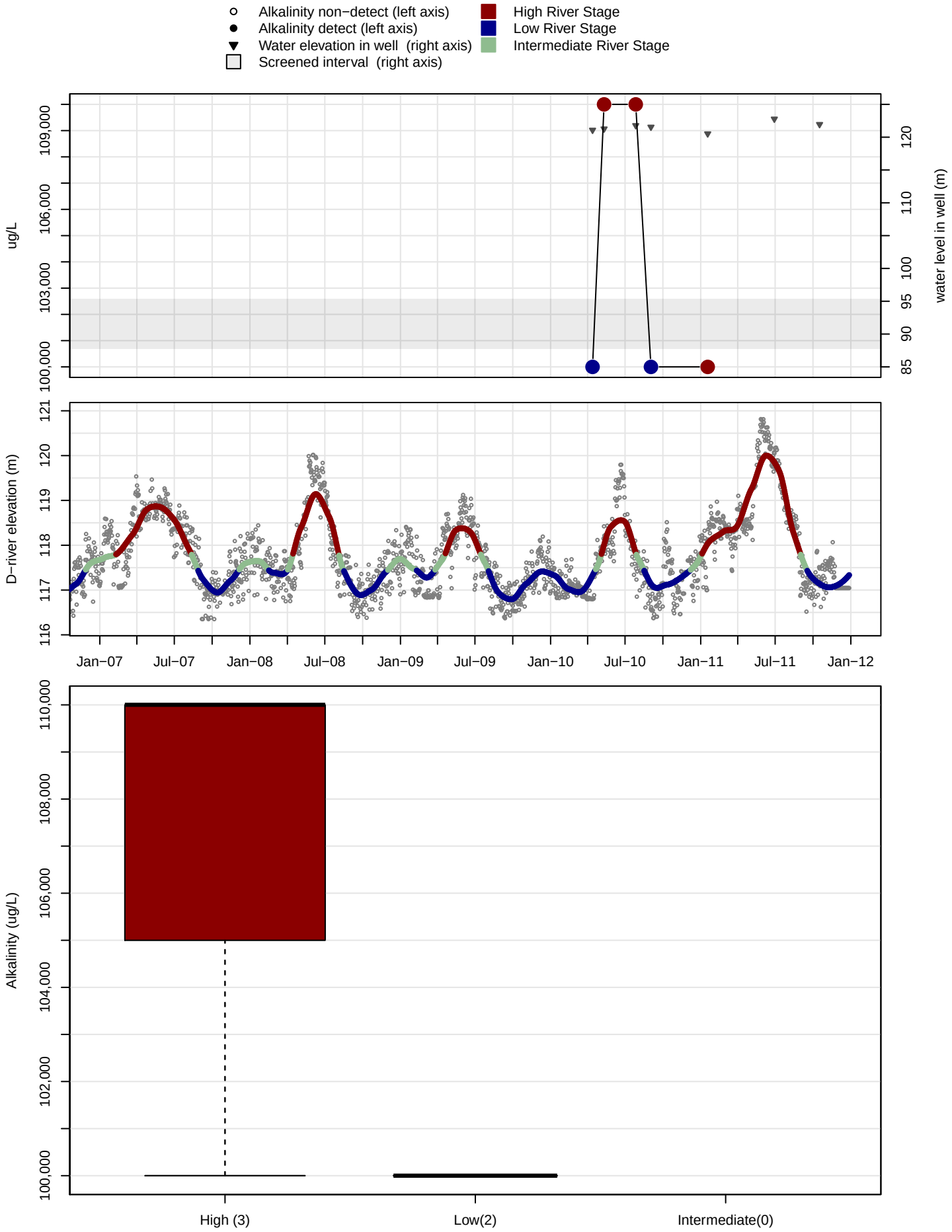
Mann Whitney p = NA t−test p = NA

199−B5−5 (292m) Lag (Indeterminate)



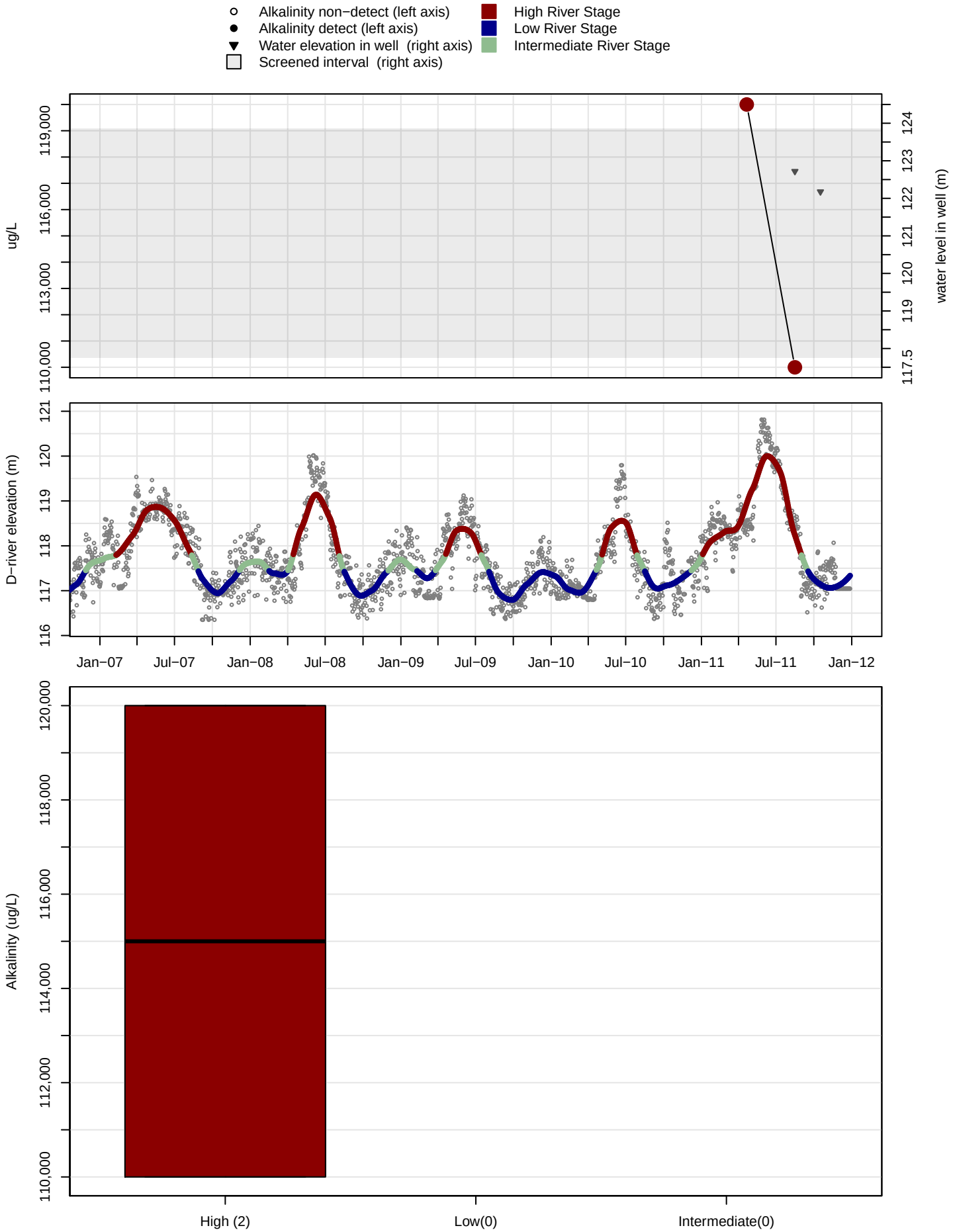
Mann Whitney p = NA t−test p = NA

199−B5−6 (933m) Lag (Indeterminate)



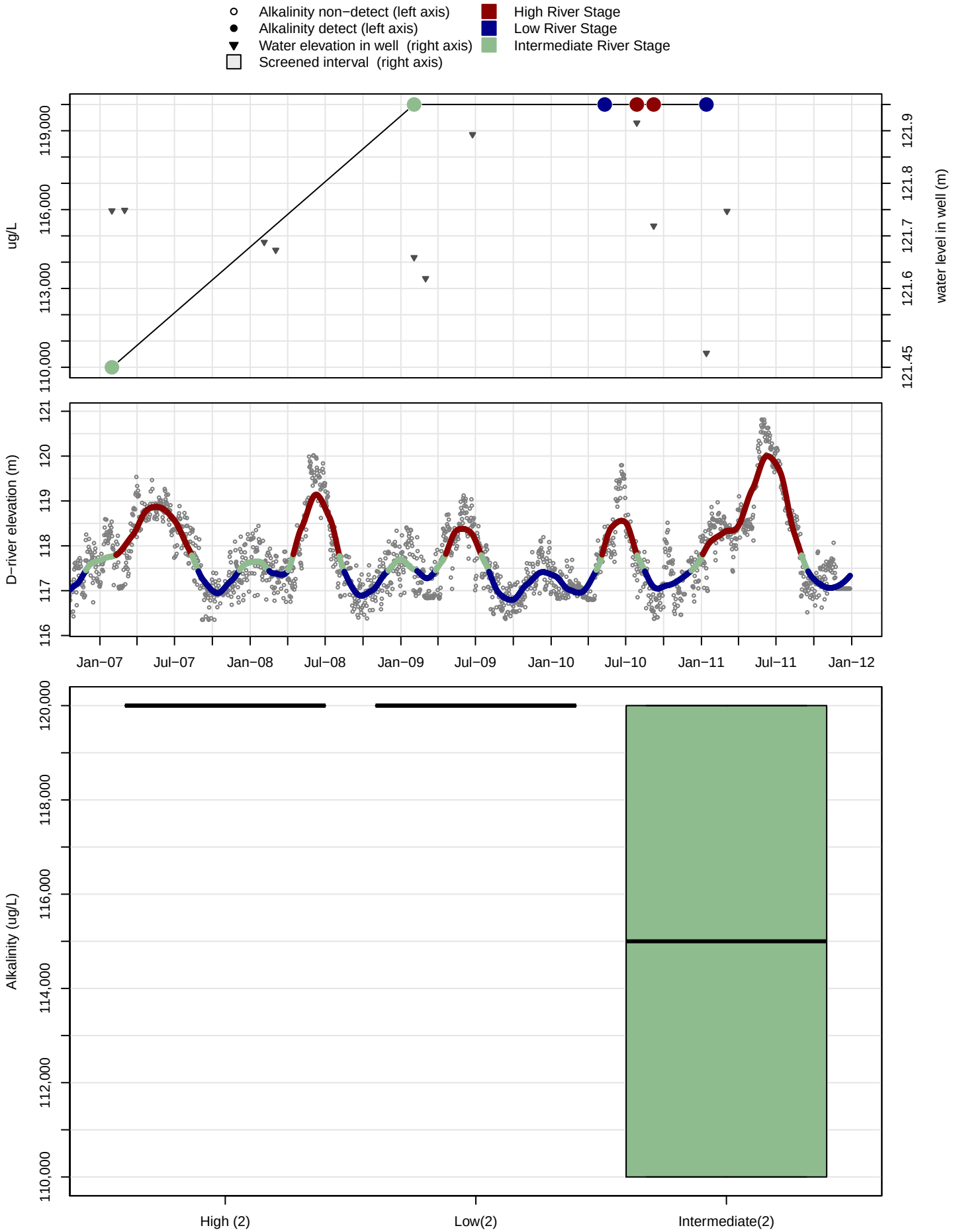
Mann Whitney p = NA t−test p = NA

199−B5−8 (1941m) Lag (Indeterminate)



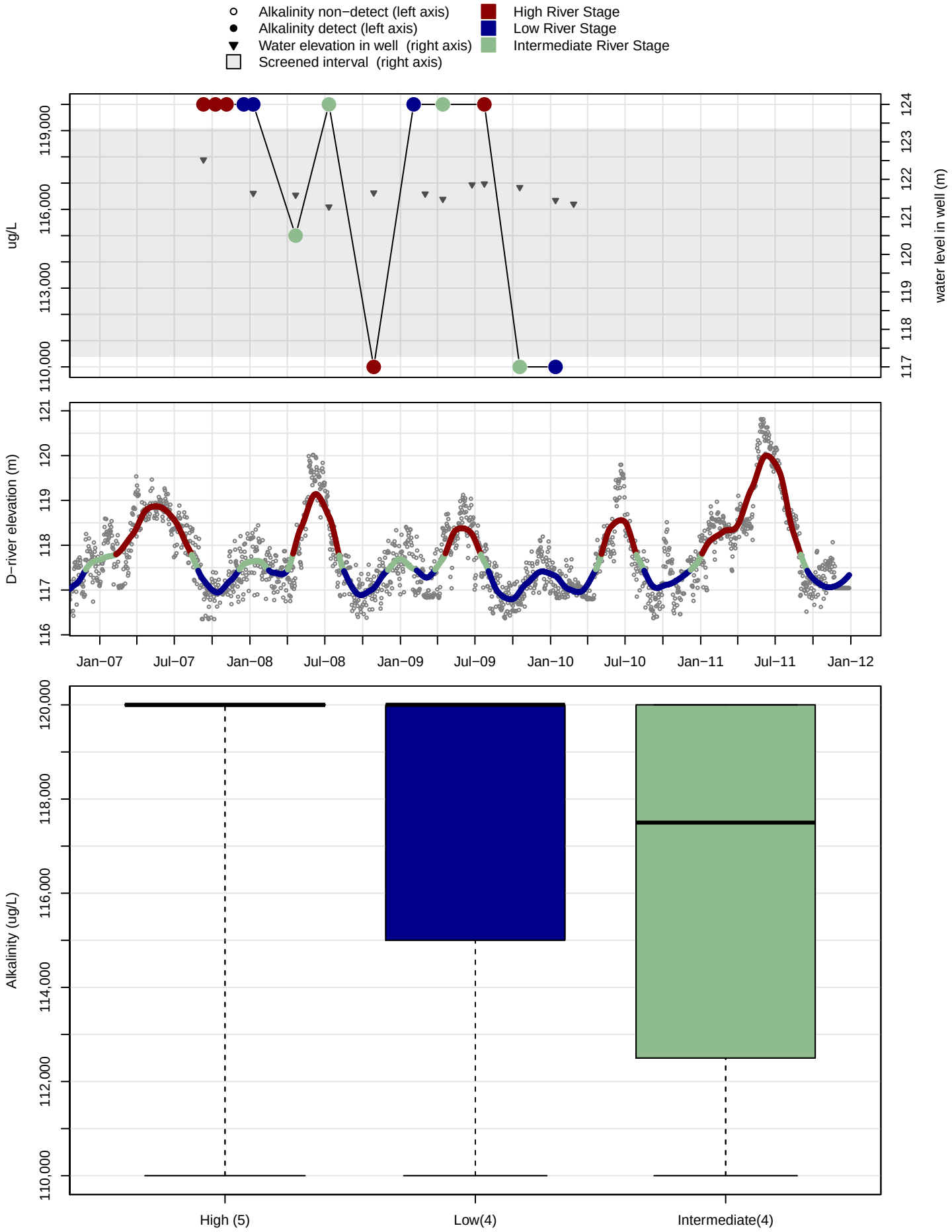
Mann Whitney p = NA t−test p = NA

199−B8−6 (1117m) Lag (41 Days)



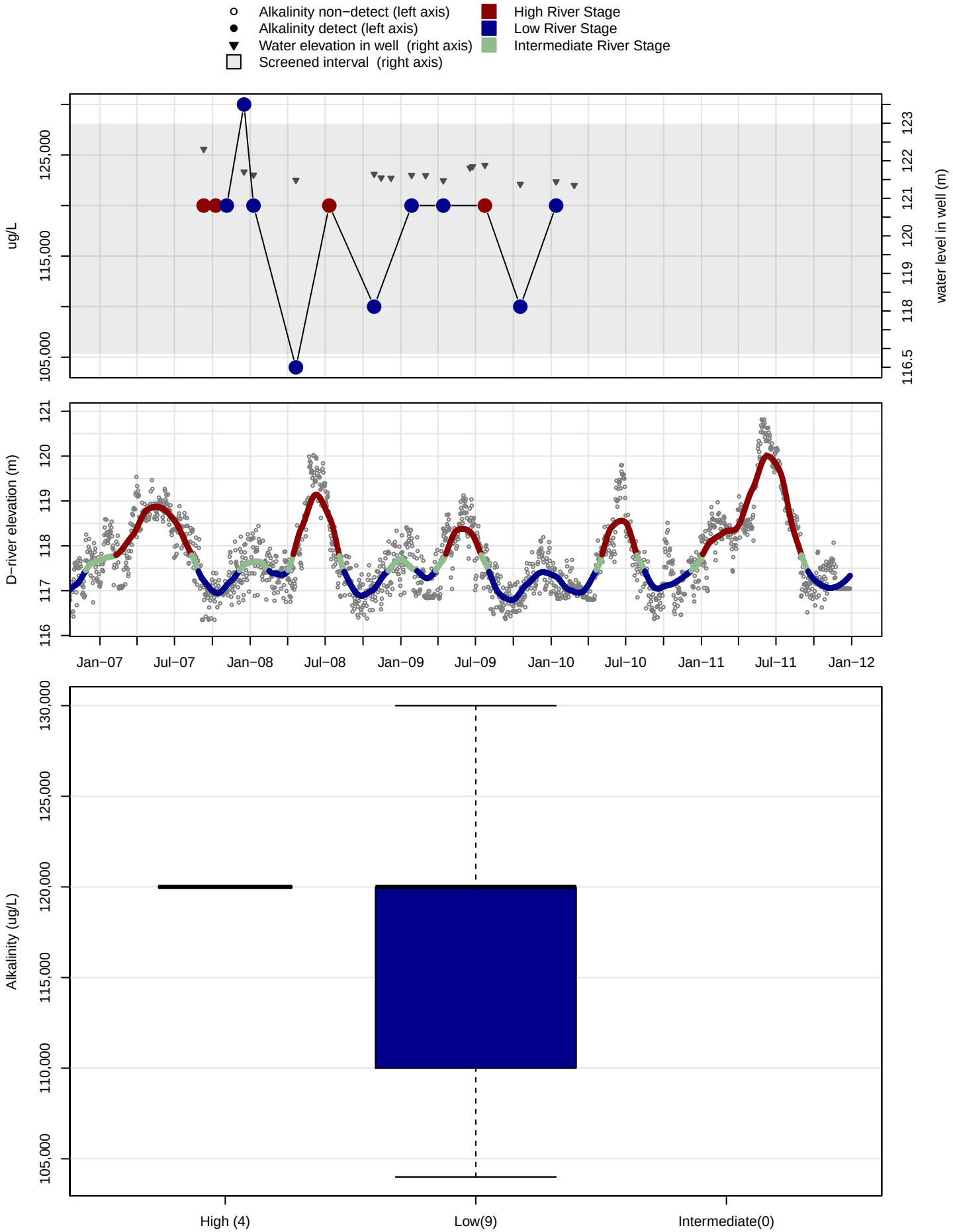
Mann Whitney p = NA t−test p = NA

199−B8−7 (1193m) Lag (91 Days)



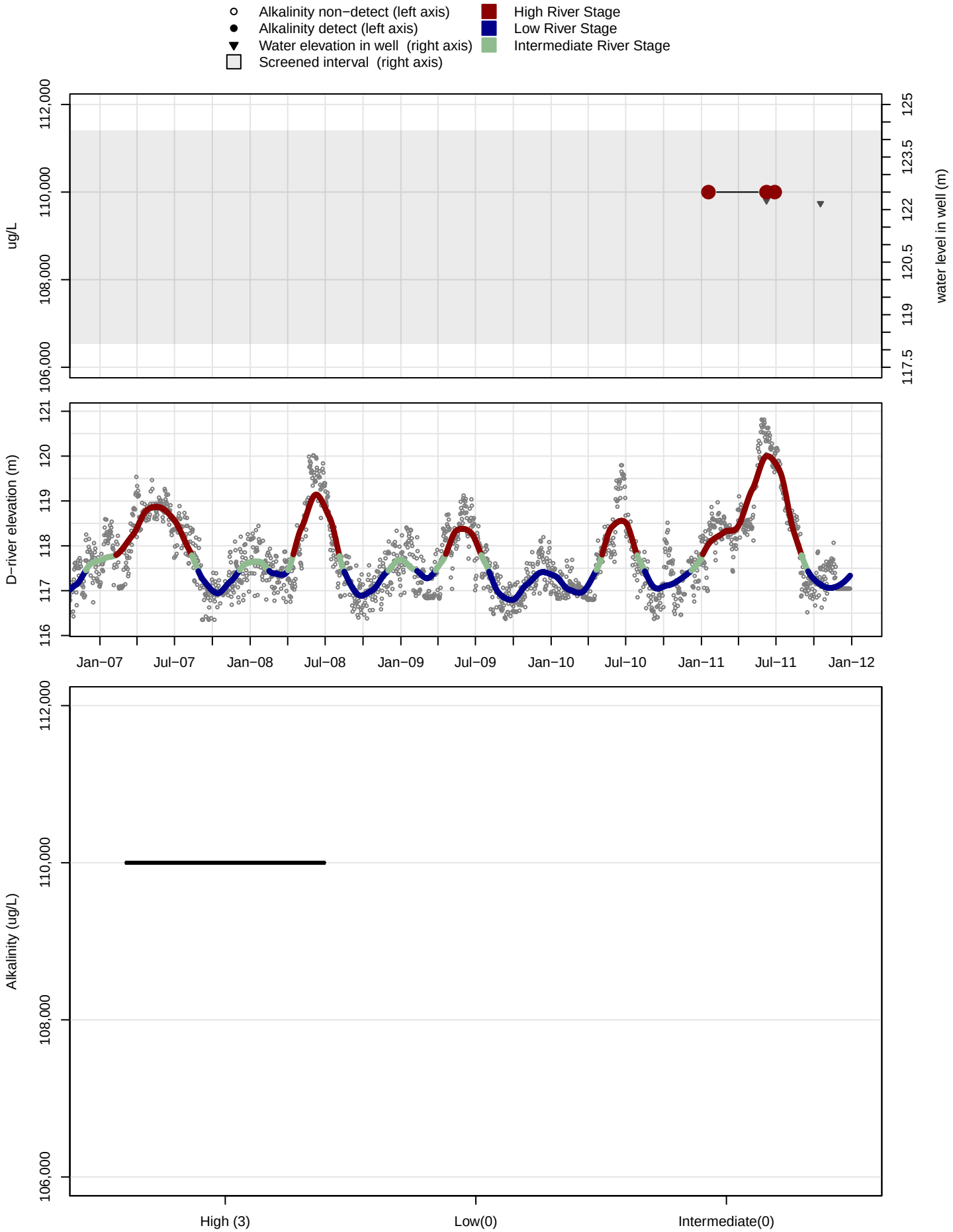
Mann Whitney p = 1e+00 t−test p = 8.81e−01

199−B8−8 (1250m) Lag (60 Days)



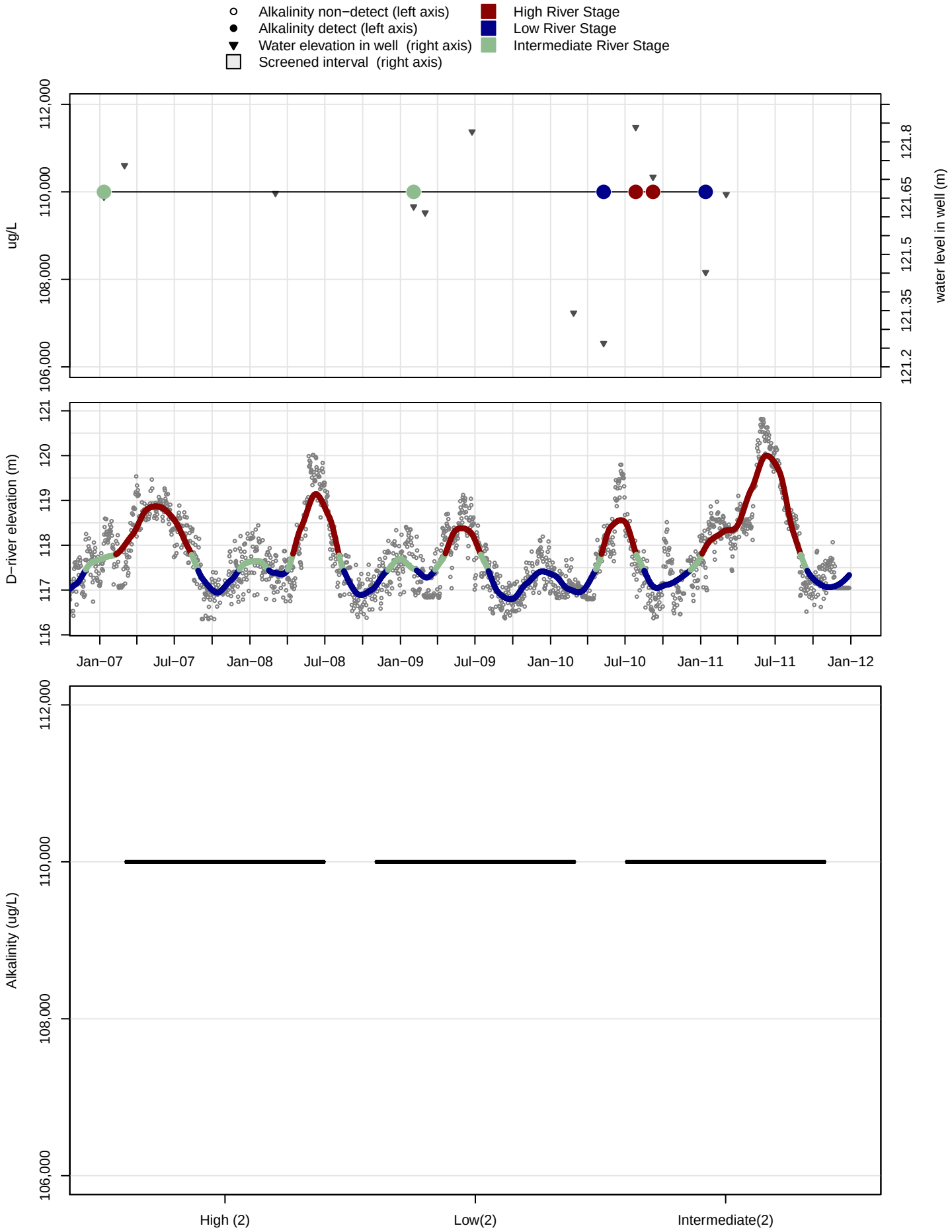
Mann Whitney p = 4.59e−01 t−test p = 2.96e−01

199−B8−9 (1258m) Lag (Indeterminate)



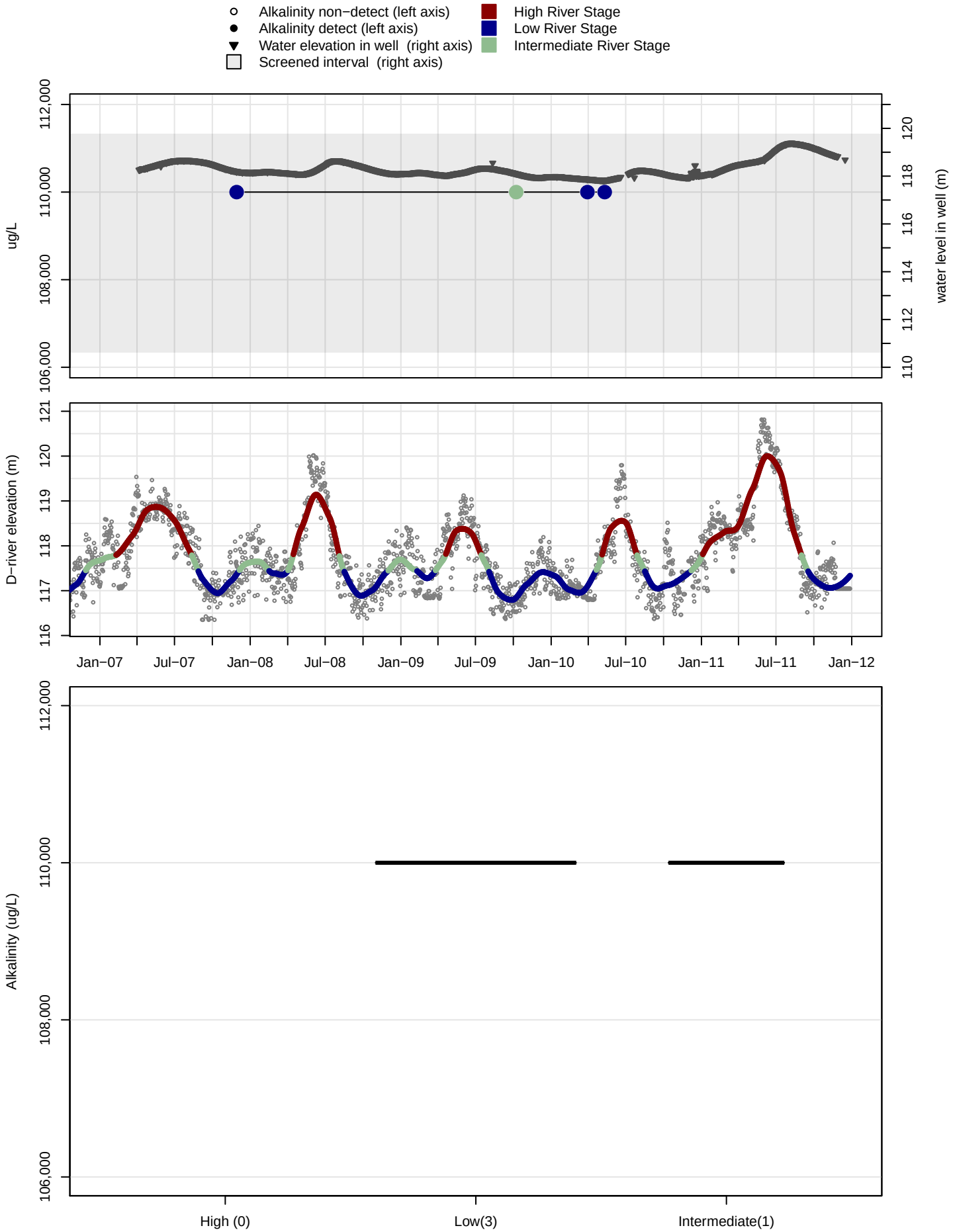
Mann Whitney p = NA t−test p = NA

199−B9−3 (1409m) Lag (44 Days)



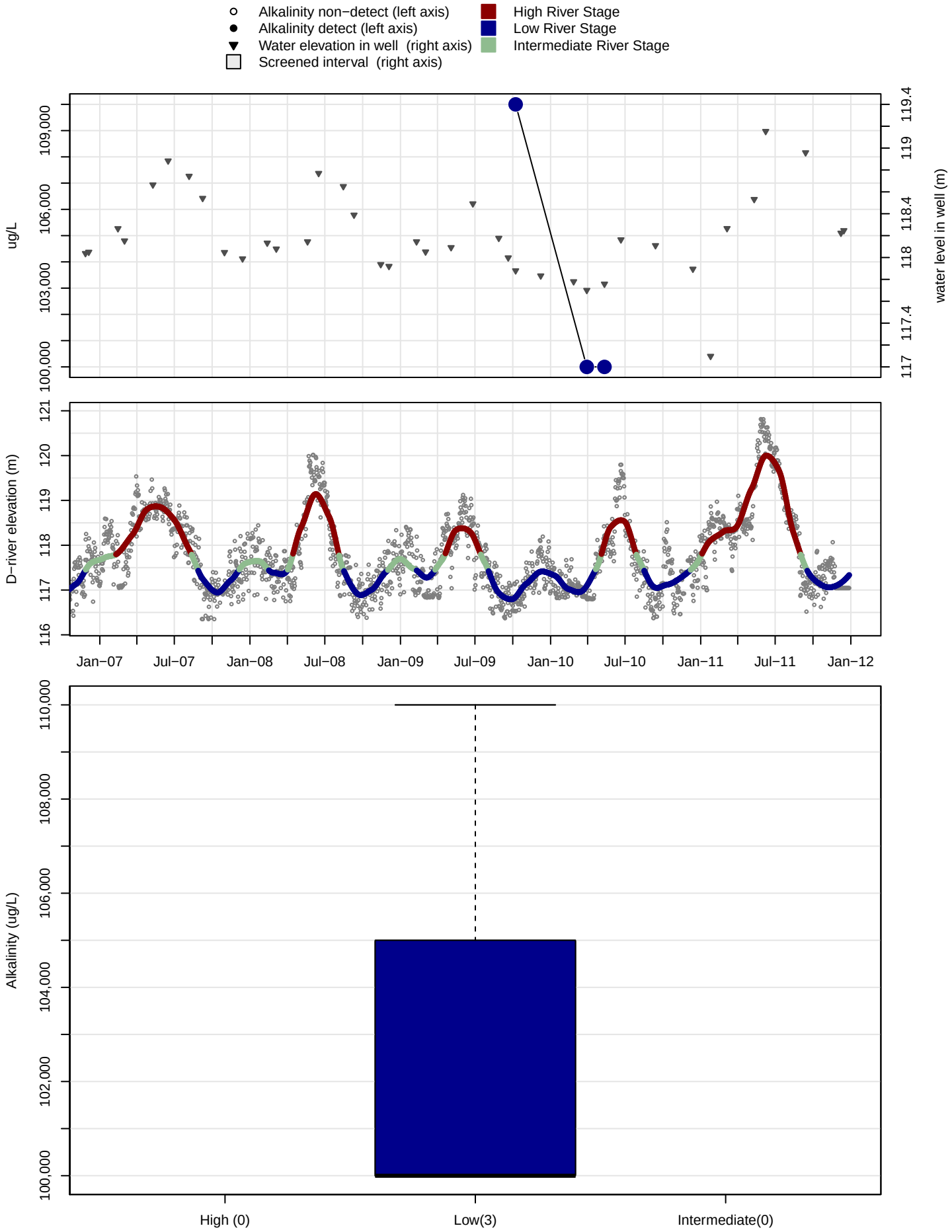
Mann Whitney p = NA t−test p = NA

199−D2−11 (822m) Lag (70 Days)



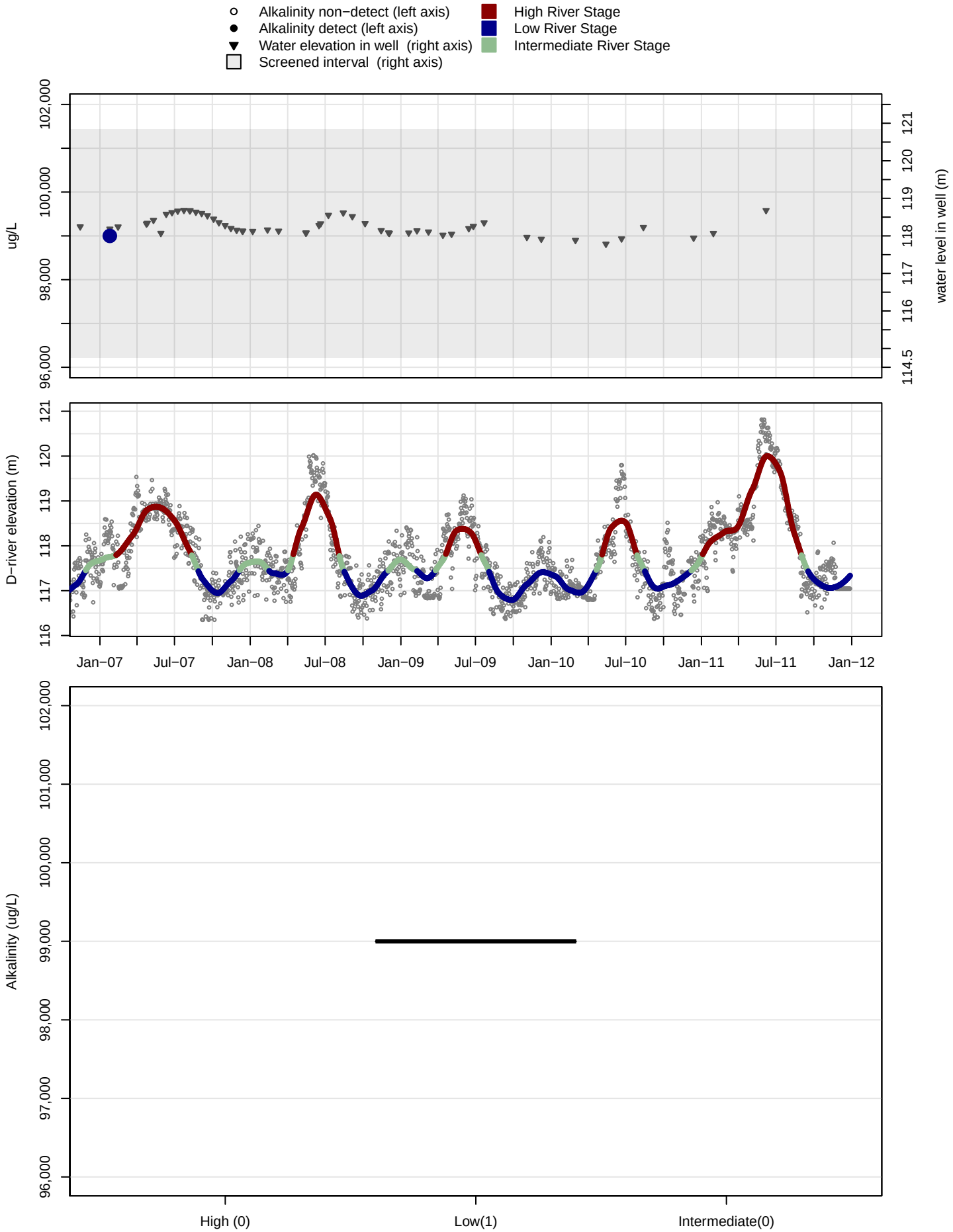
Mann Whitney p = NA t−test p = NA

199−D2−6 (614m) Lag (43 Days)



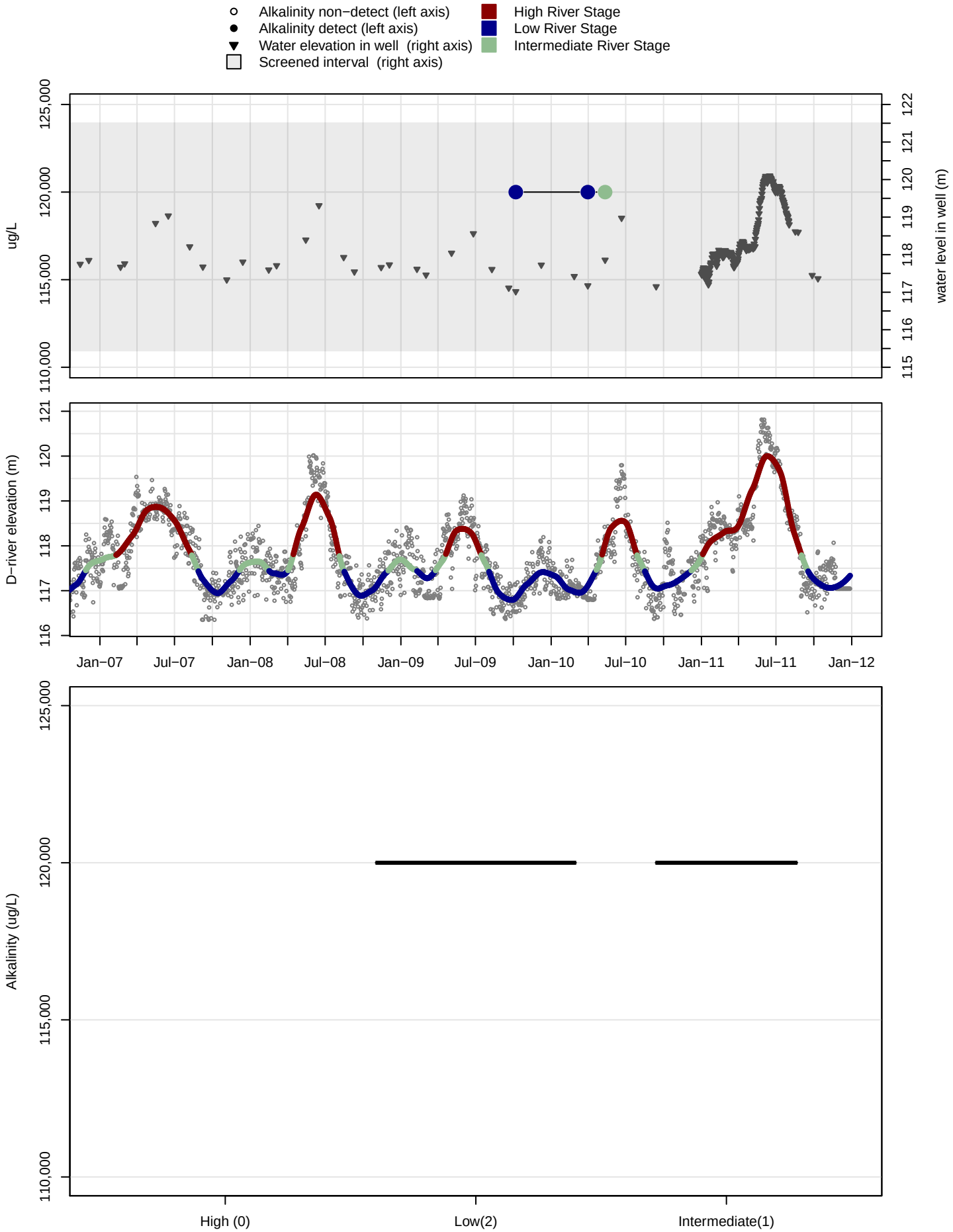
Mann Whitney p = NA t−test p = NA

199−D2−8 (713m) Lag (71 Days)



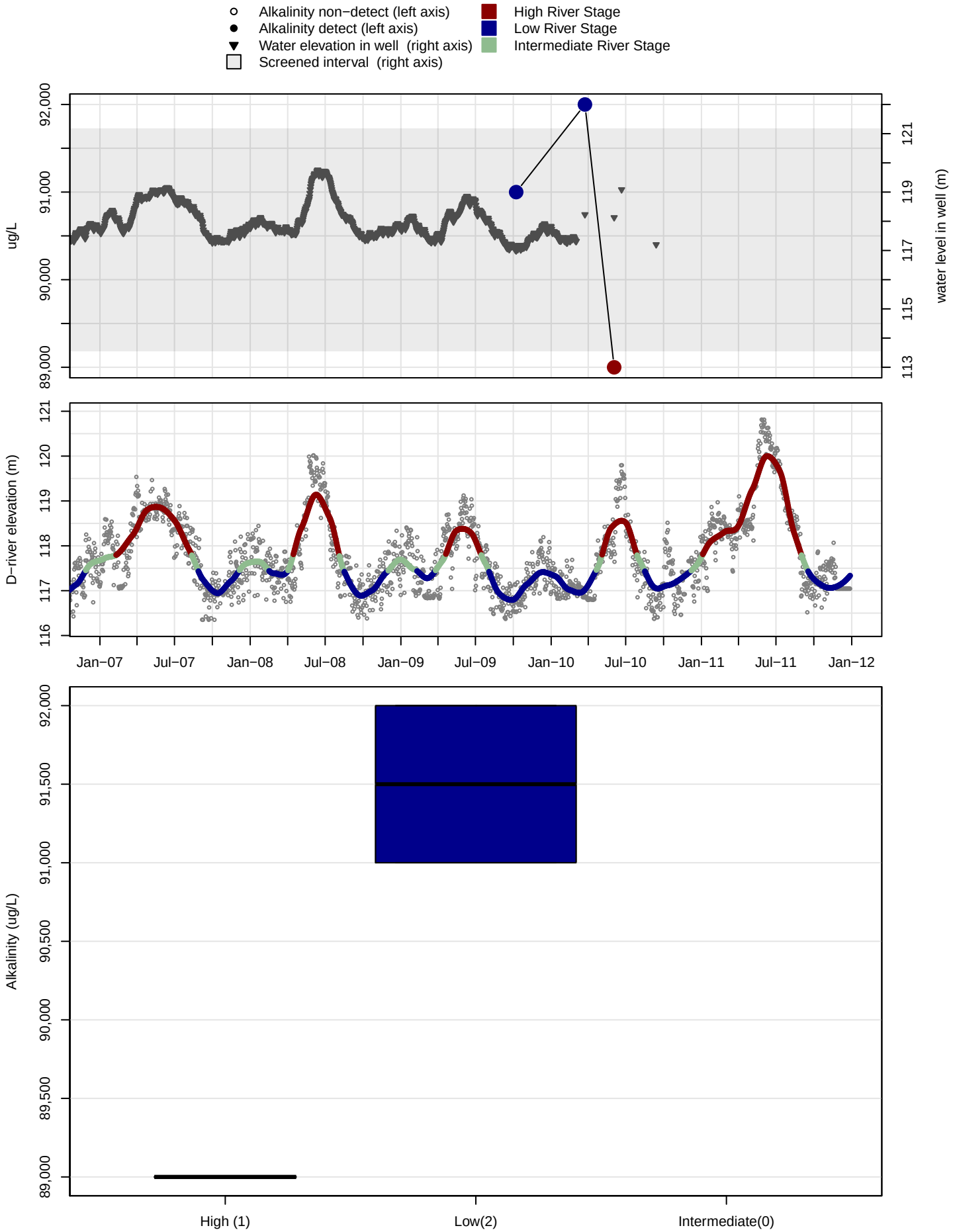
Mann Whitney p = NA t−test p = NA

199−D4−23 (62m) Lag (12 Days)



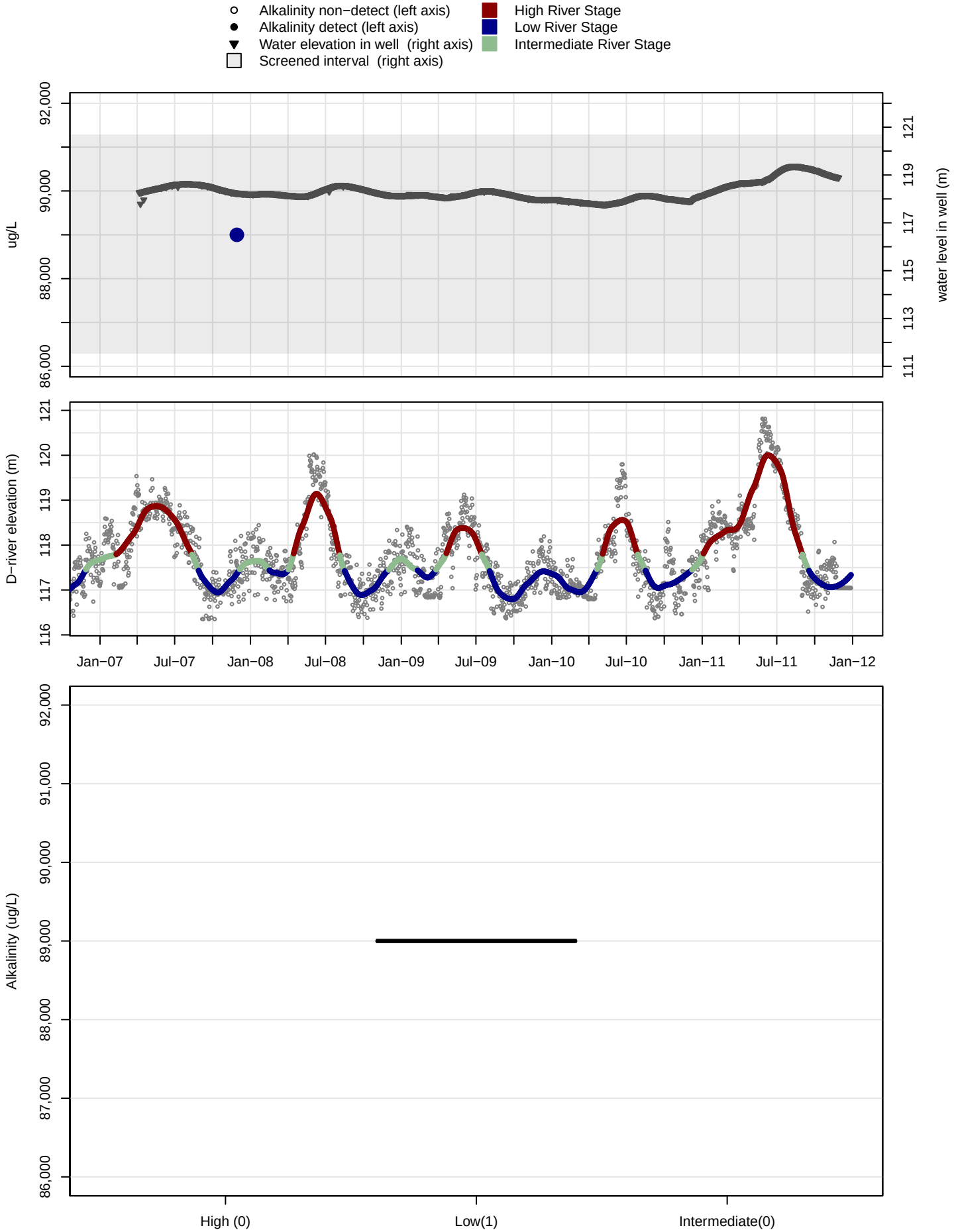
Mann Whitney p = NA t−test p = NA

199−D4−84* (92m) Lag (15 Days)



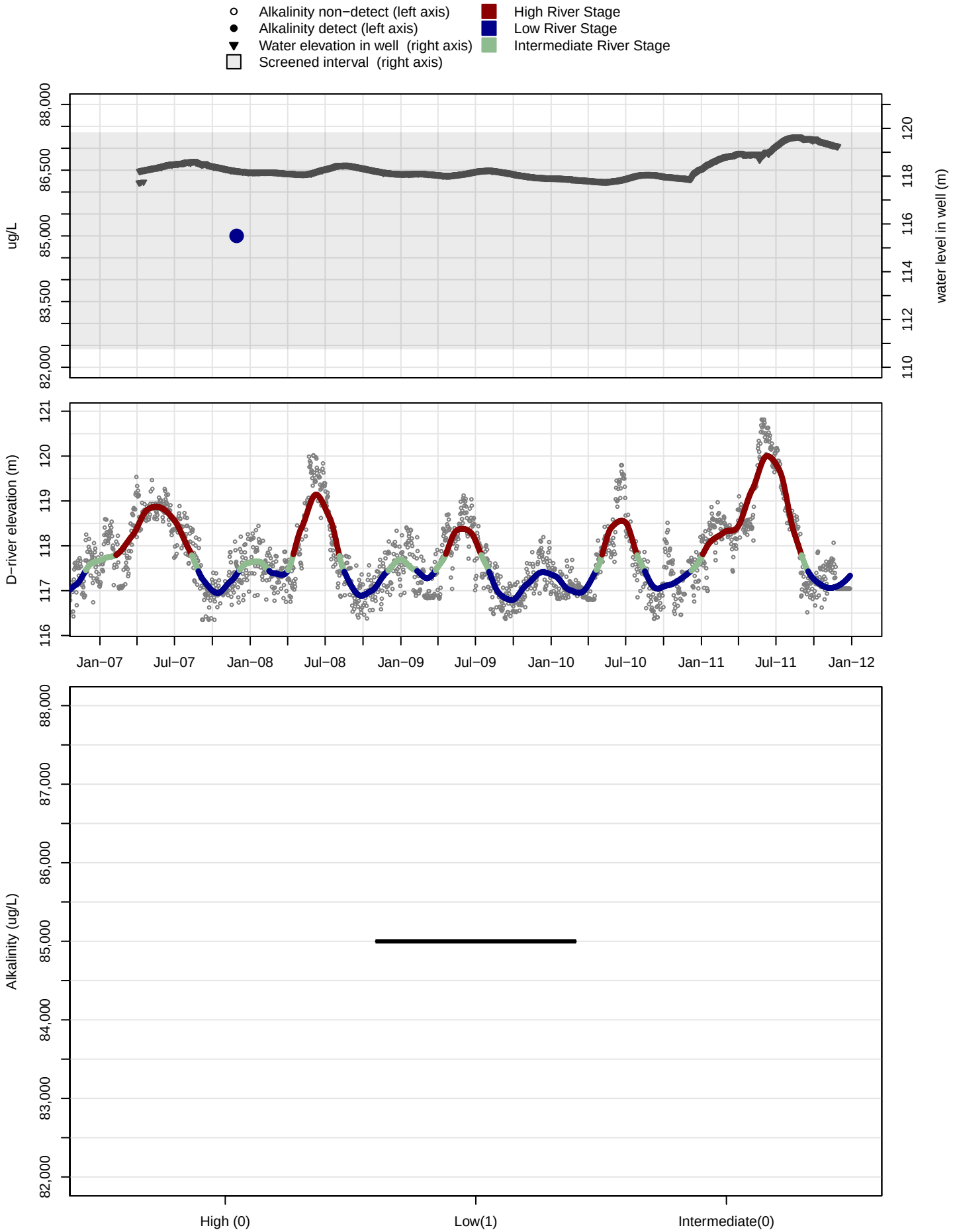
Mann Whitney p = NA t−test p = NA

199−D5−102 (748m) Lag (72 Days)



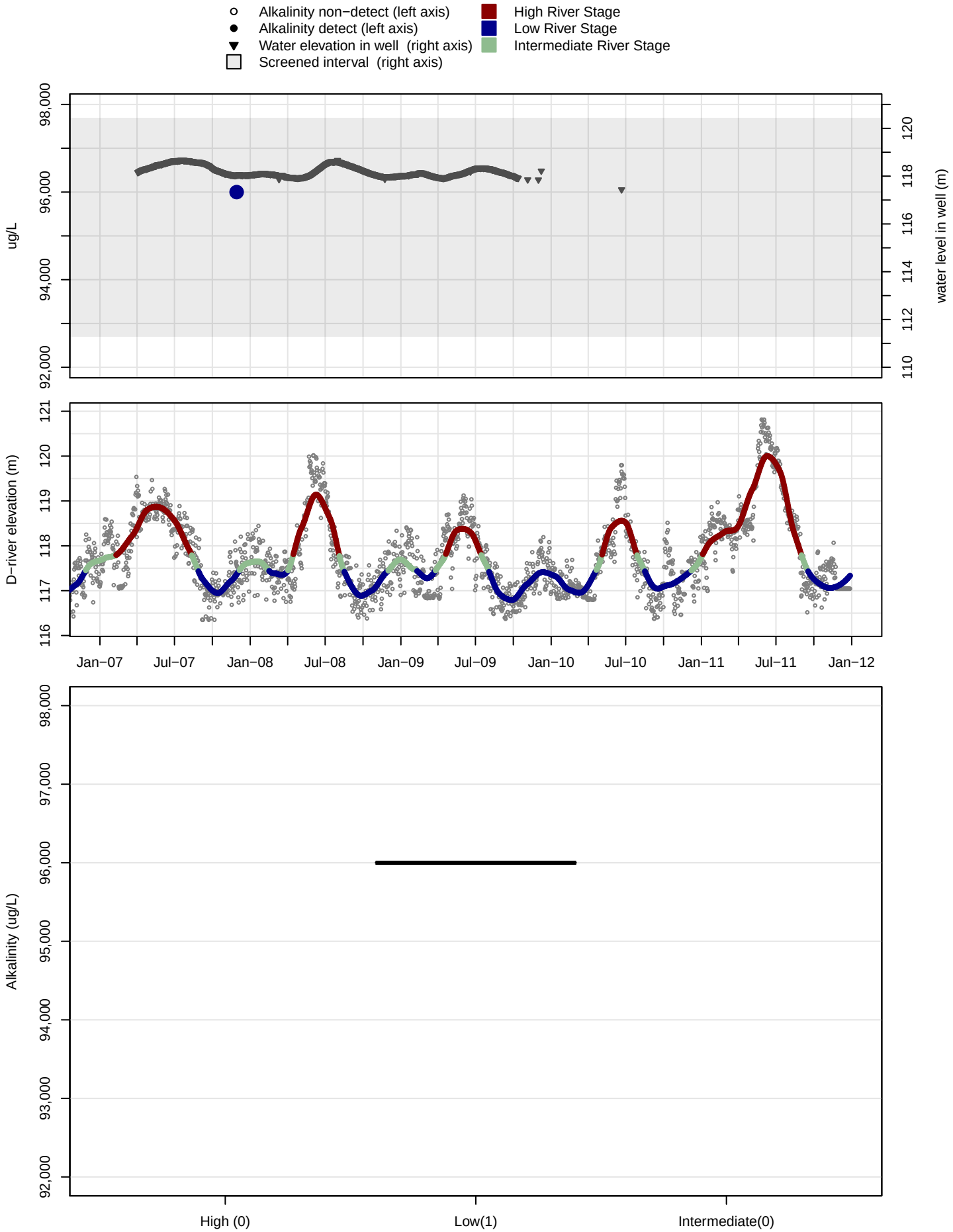
Mann Whitney p = NA t−test p = NA

199−D5−103 (731m) Lag (77 Days)



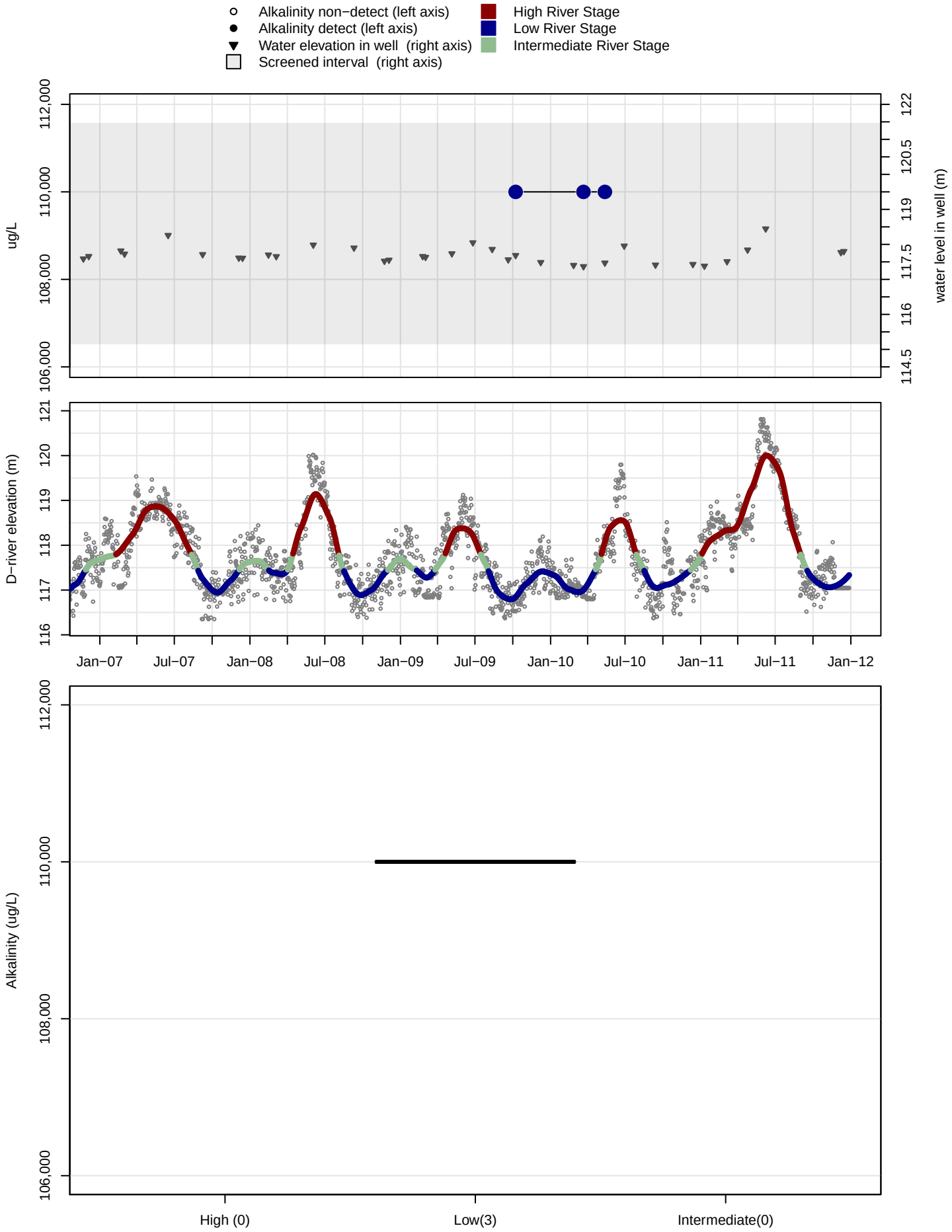
Mann Whitney p = NA t−test p = NA

199−D5−104* (568m) Lag (54 Days)



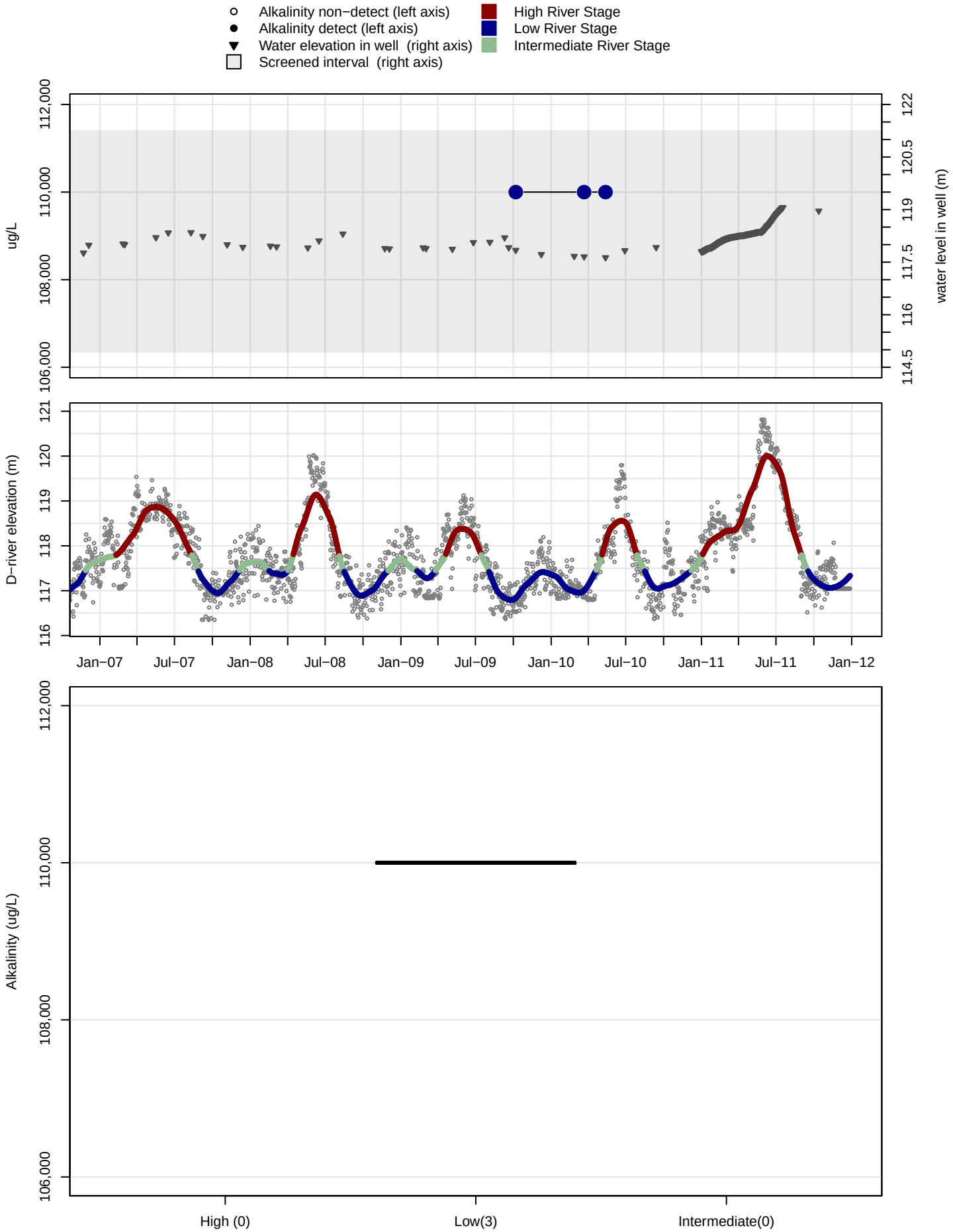
Mann Whitney p = NA t−test p = NA

199−D5−13 (371m) Lag (38 Days)



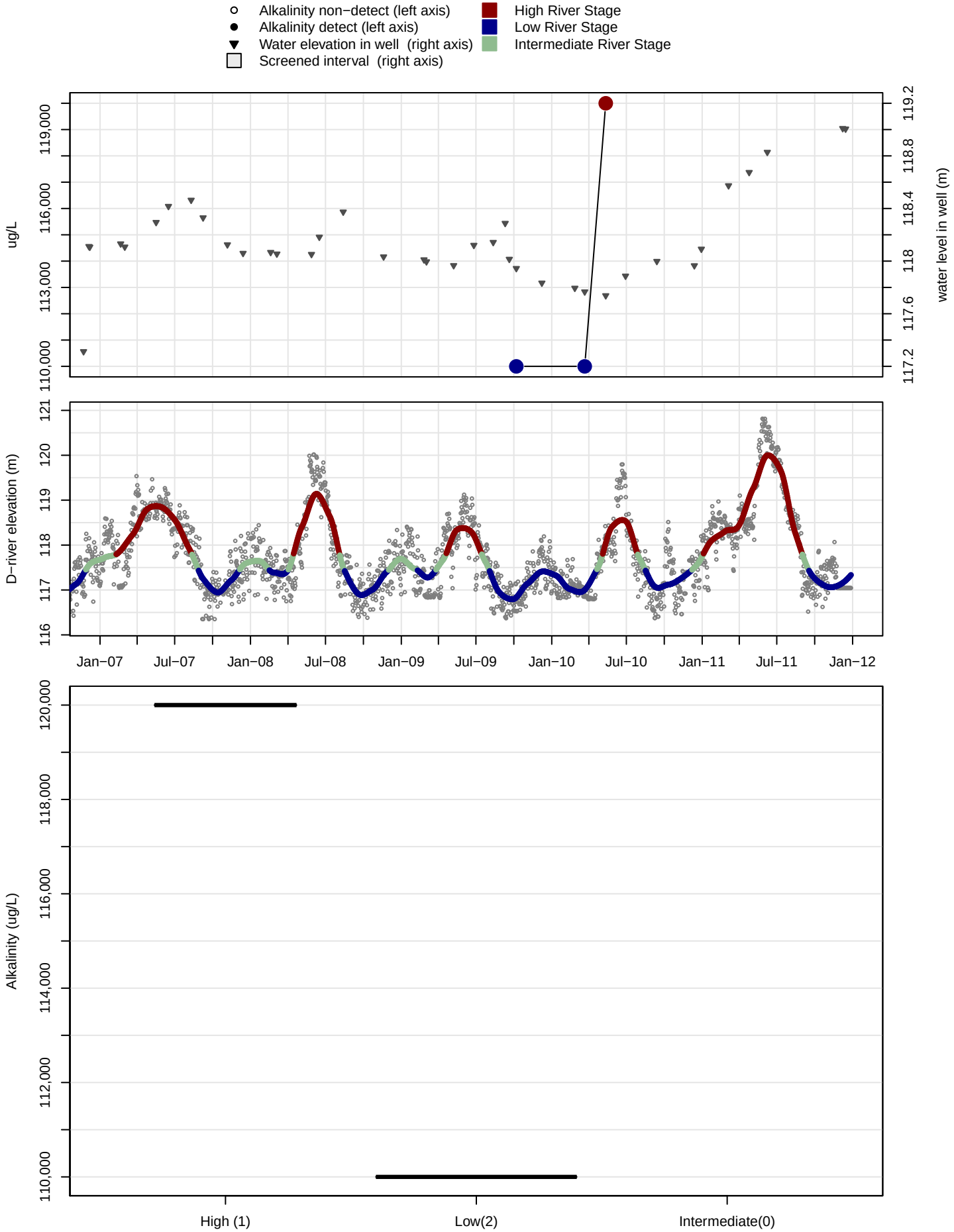
Mann Whitney p = NA t−test p = NA

199−D5−14 (642m) Lag (50 Days)



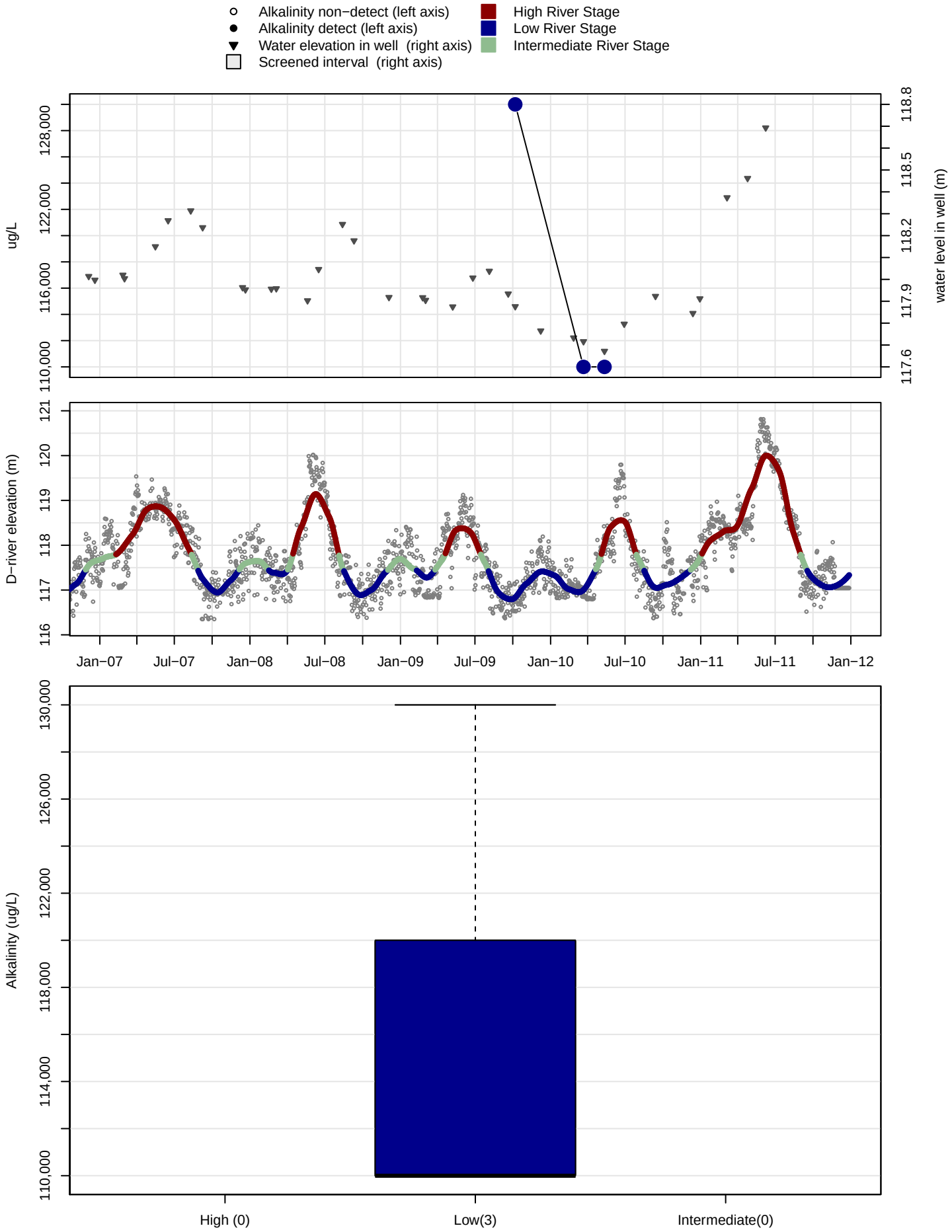
Mann Whitney p = NA t−test p = NA

199−D5−15 (716m) Lag (53 Days)



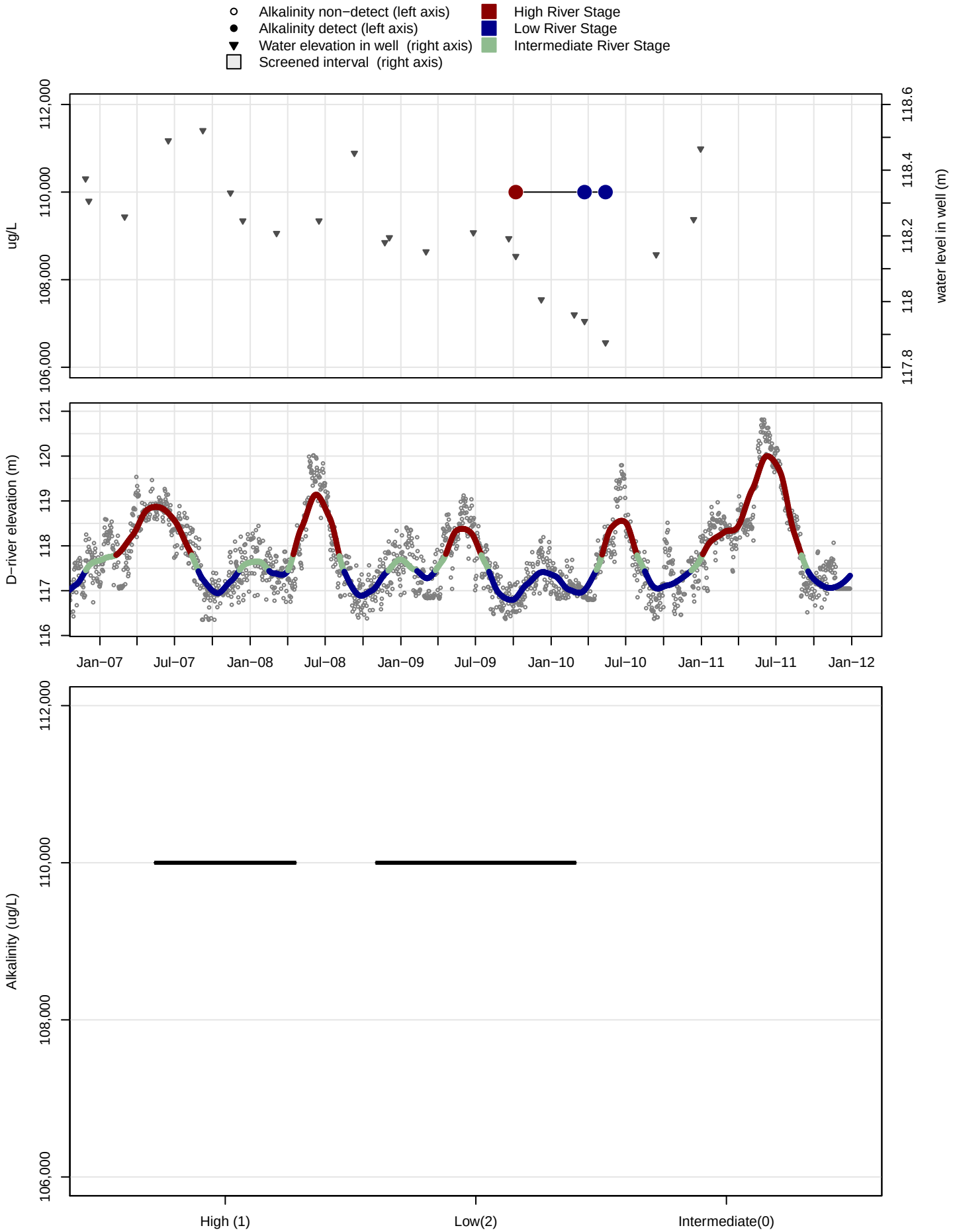
Mann Whitney p = NA t−test p = NA

199−D5−16 (826m) Lag (49 Days)



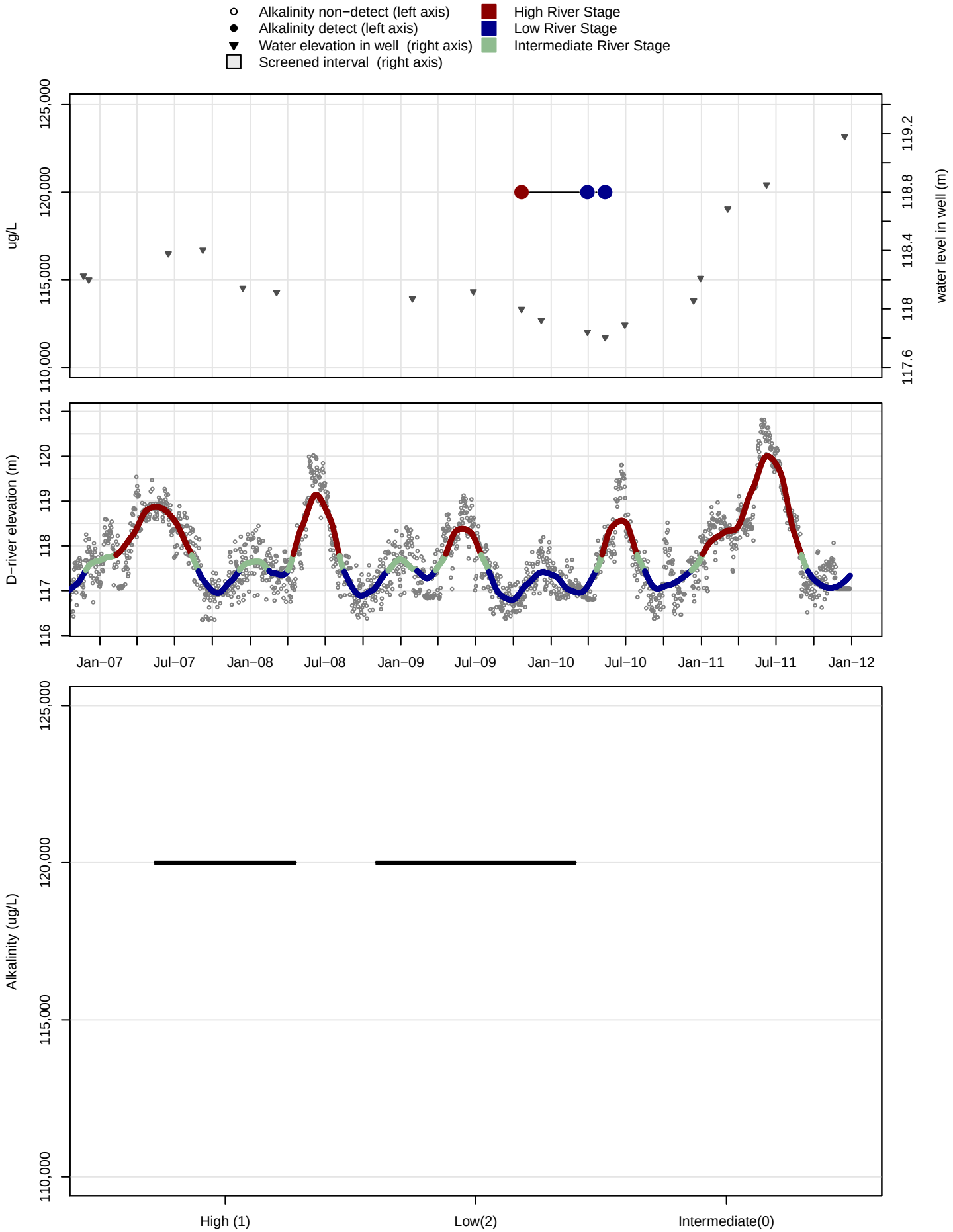
Mann Whitney p = NA t−test p = NA

199−D5−17 (995m) Lag (122 Days)



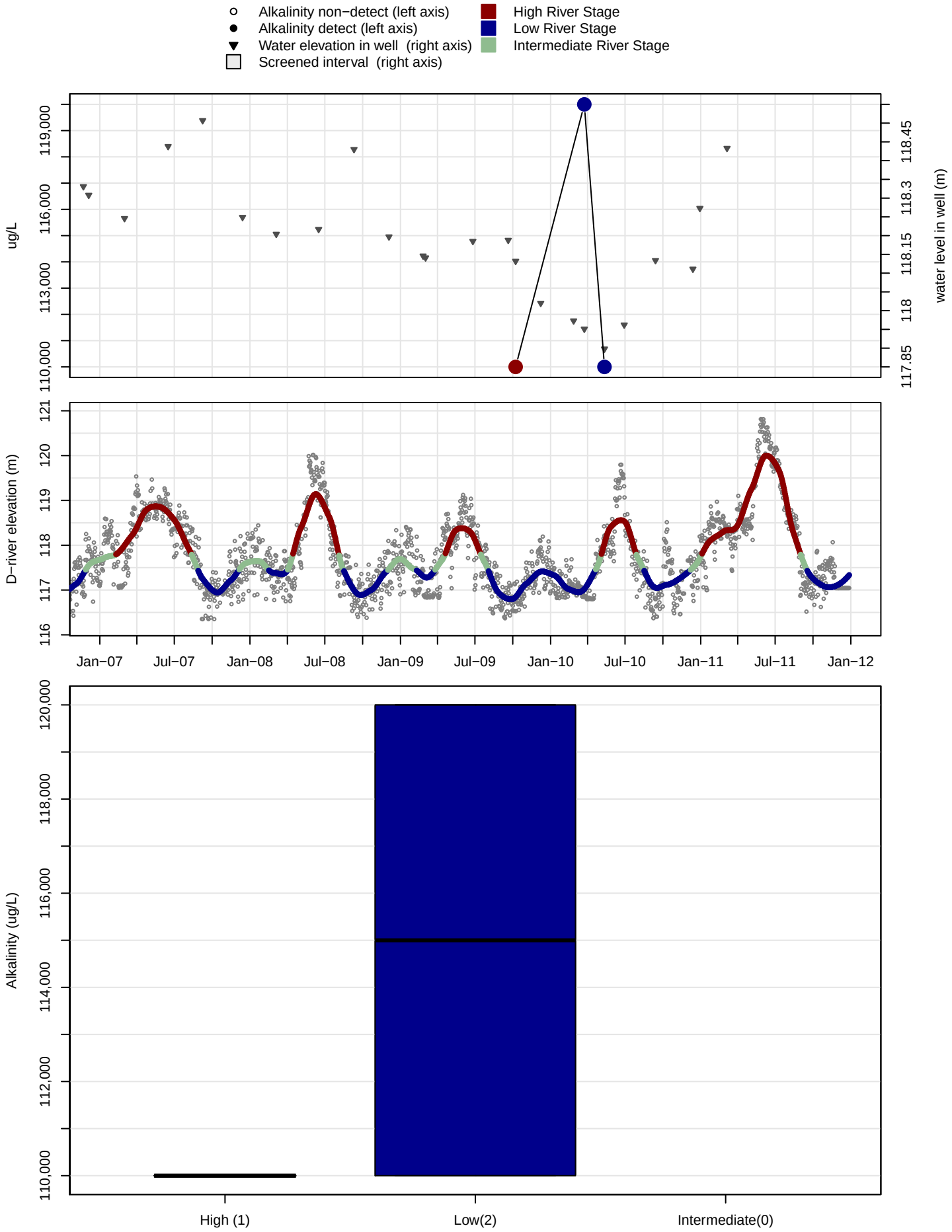
Mann Whitney p = NA t−test p = NA

199−D5−18 (1080m) Lag (139 Days)



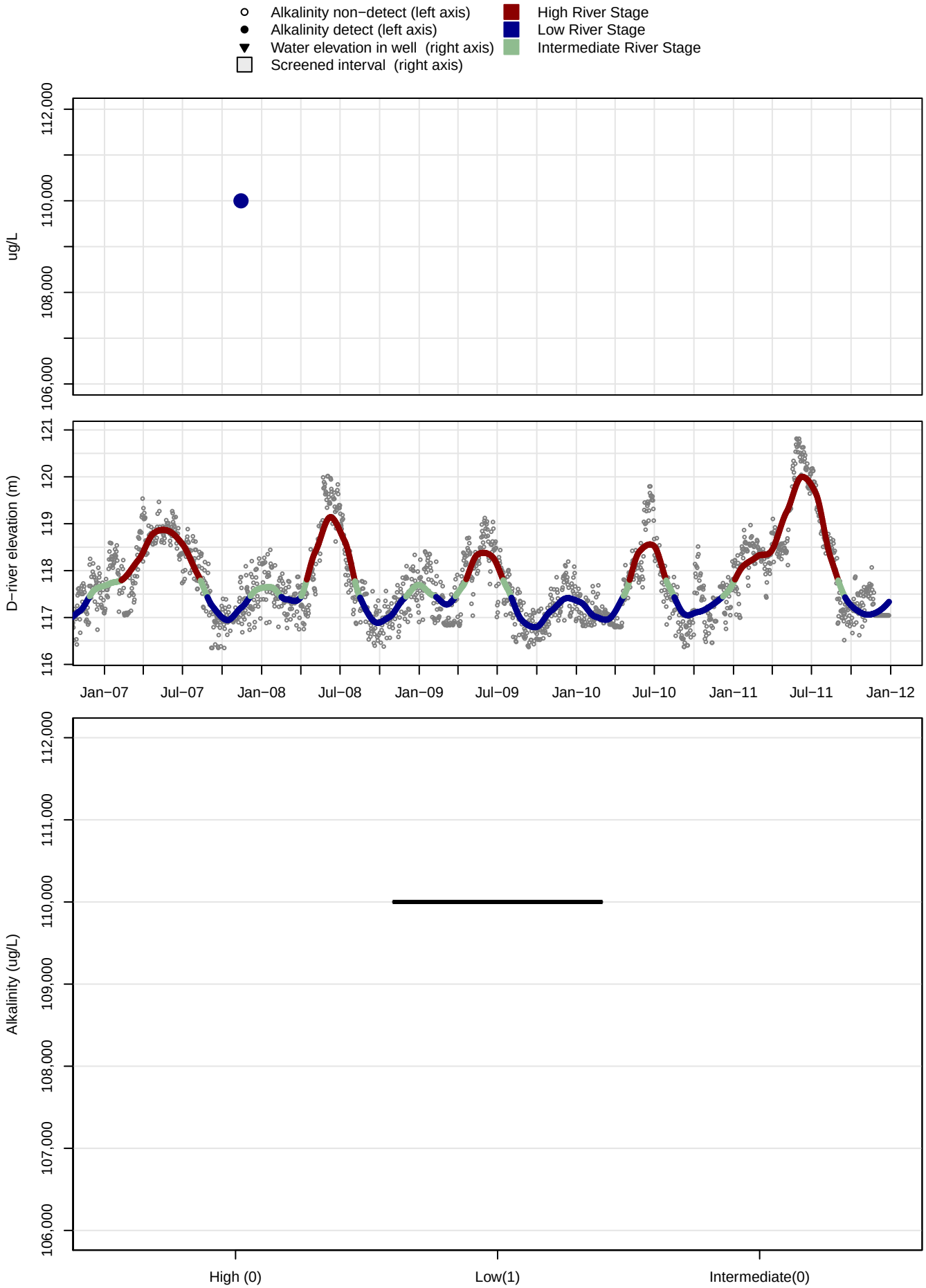
Mann Whitney p = NA t−test p = NA

199−D5−19 (1138m) Lag (118 Days)



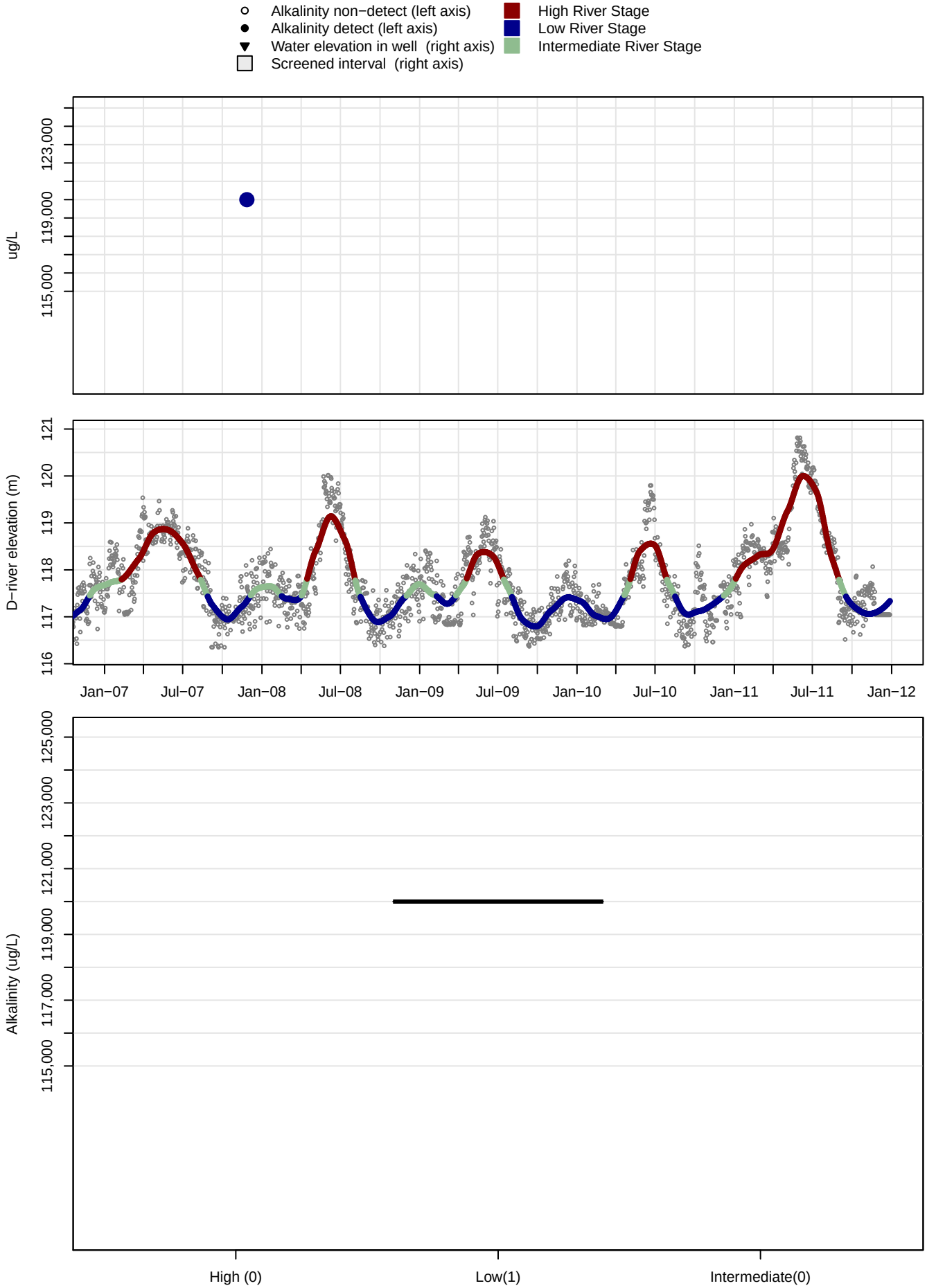
Mann Whitney p = NA t−test p = NA

199−D5−20* (157m) Lag (Indeterminate)



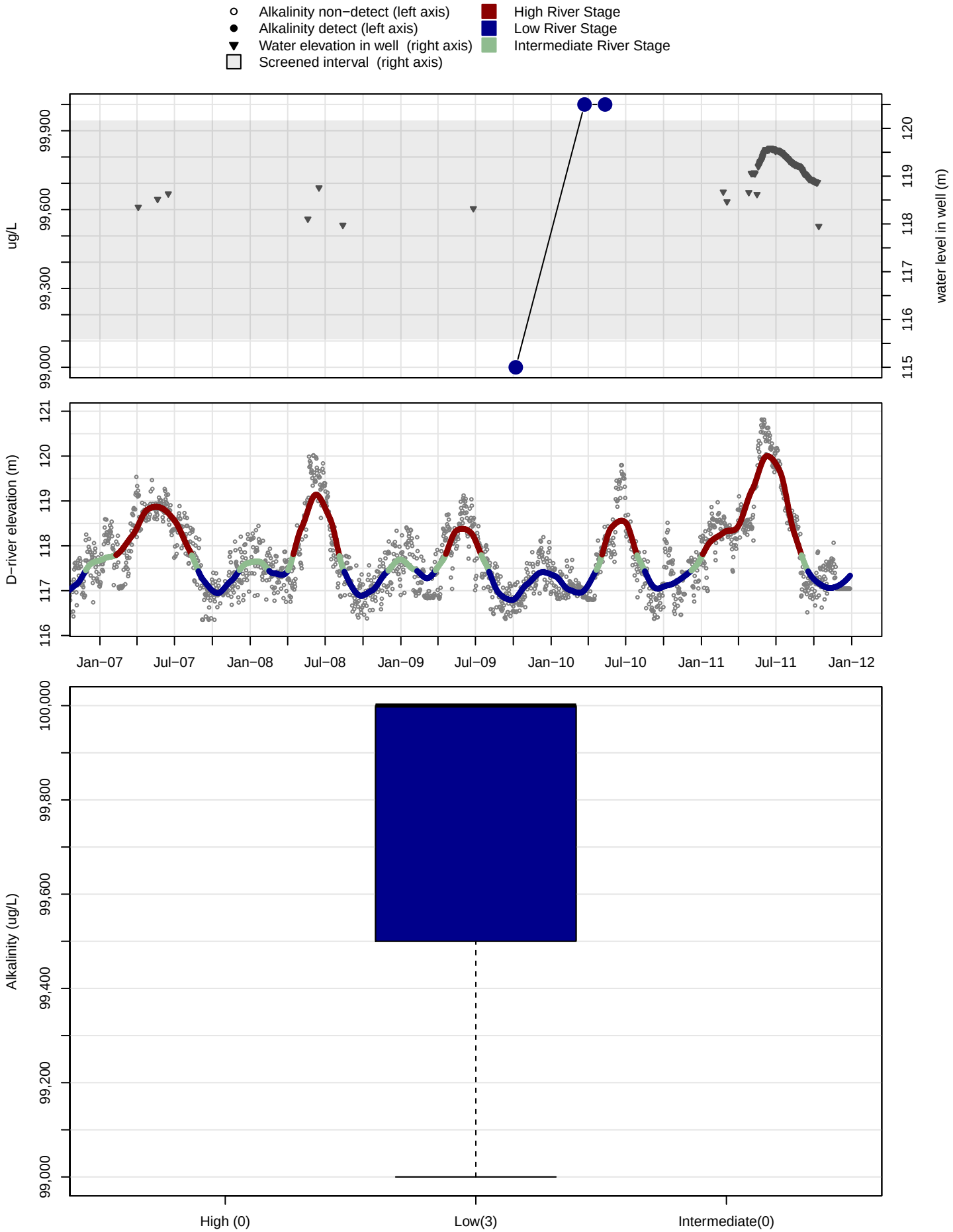
Mann Whitney p = NA t−test p = NA

199−D5−32* (337m) Lag (Indeterminate)



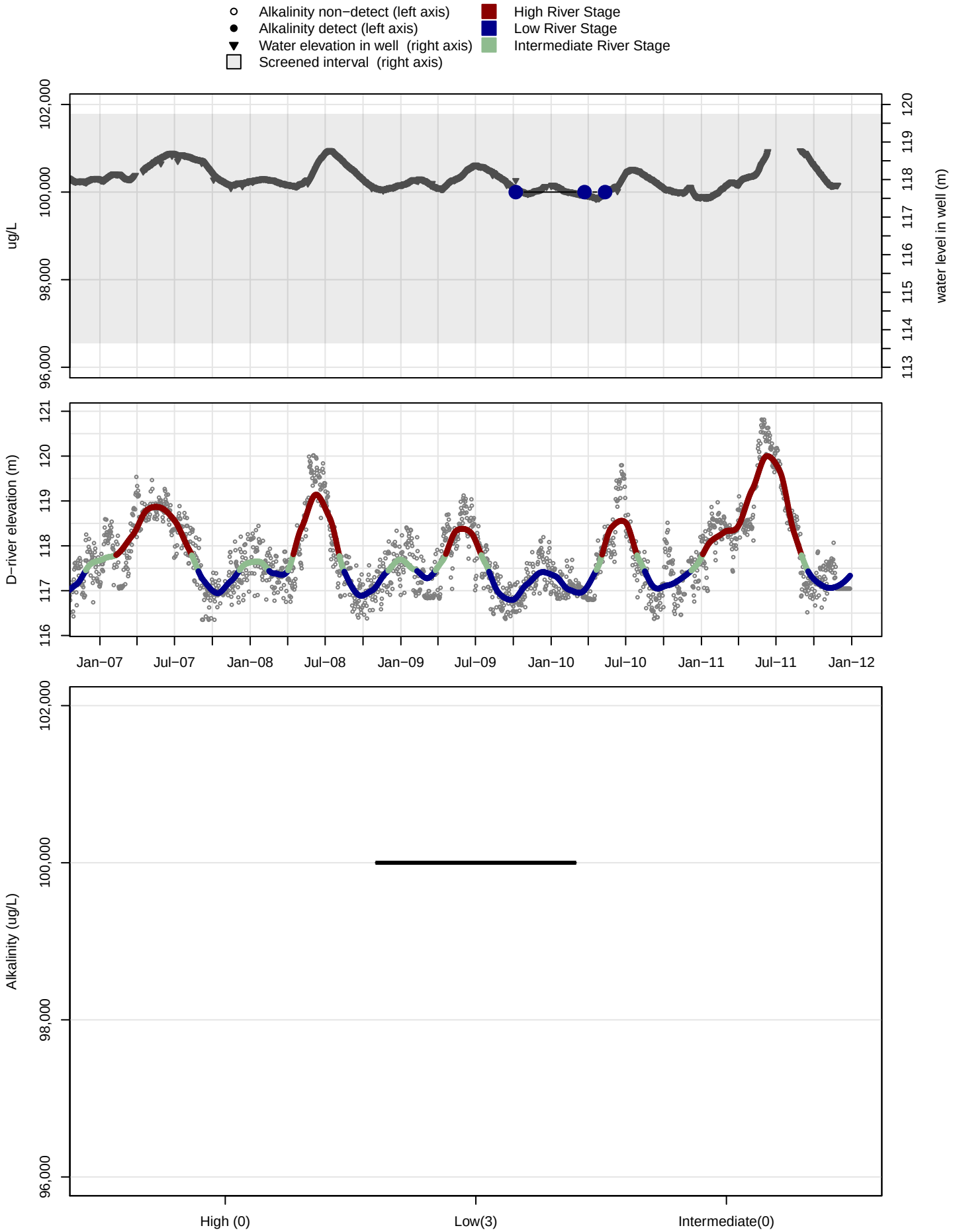
Mann Whitney p = NA t−test p = NA

199−D5−37 (148m) Lag (24 Days)



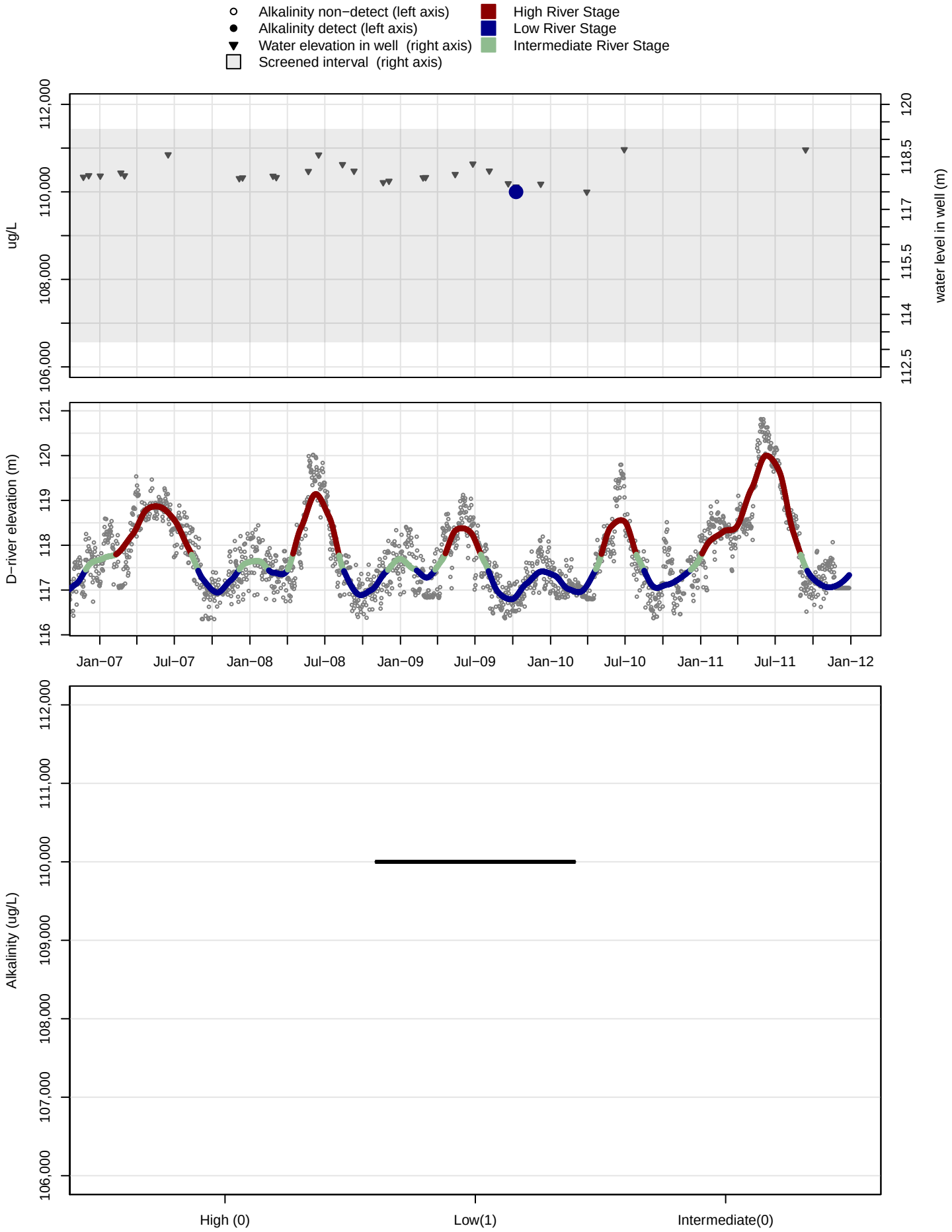
Mann Whitney p = NA t−test p = NA

199−D5−38 (285m) Lag (46 Days)



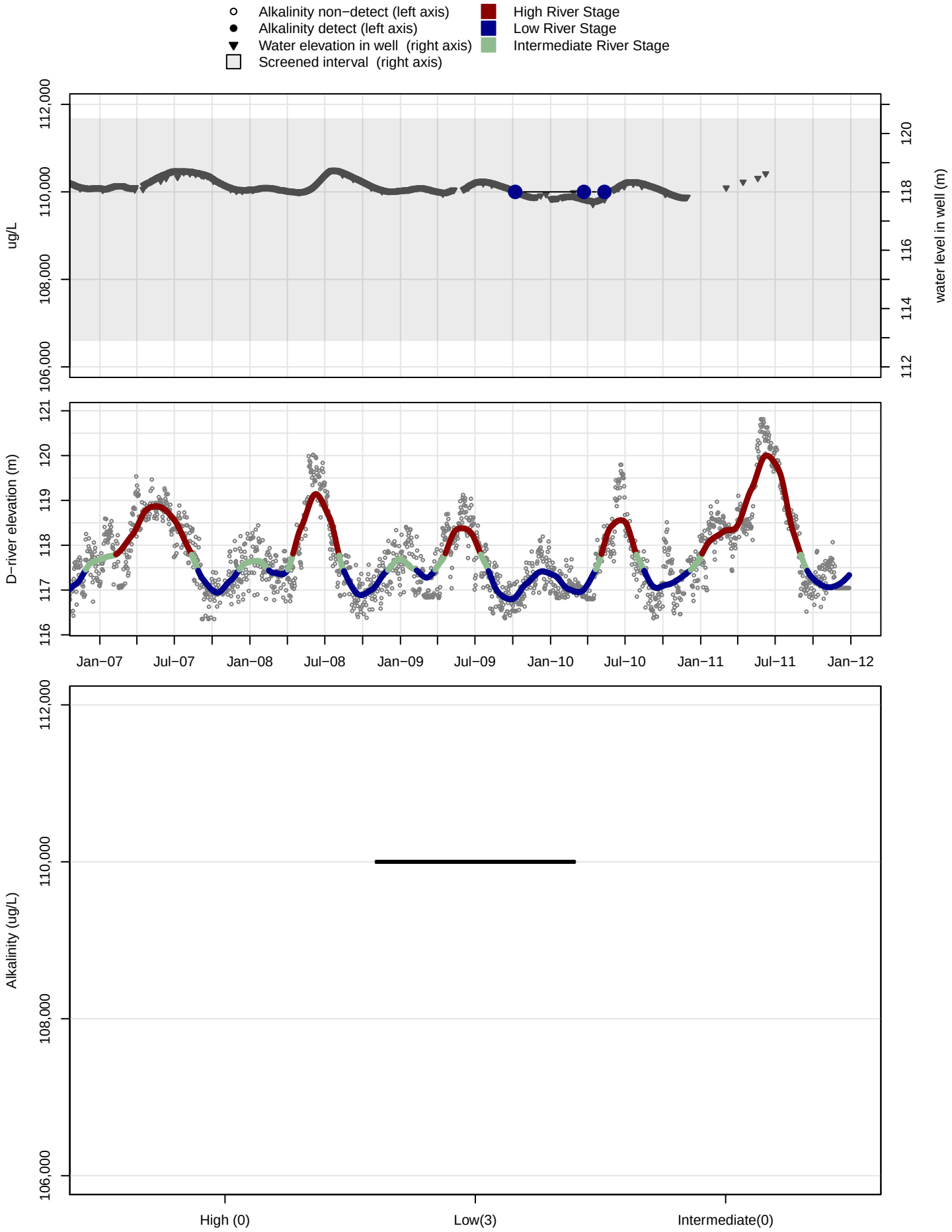
Mann Whitney p = NA t−test p = NA

199−D5−41* (418m) Lag (33 Days)



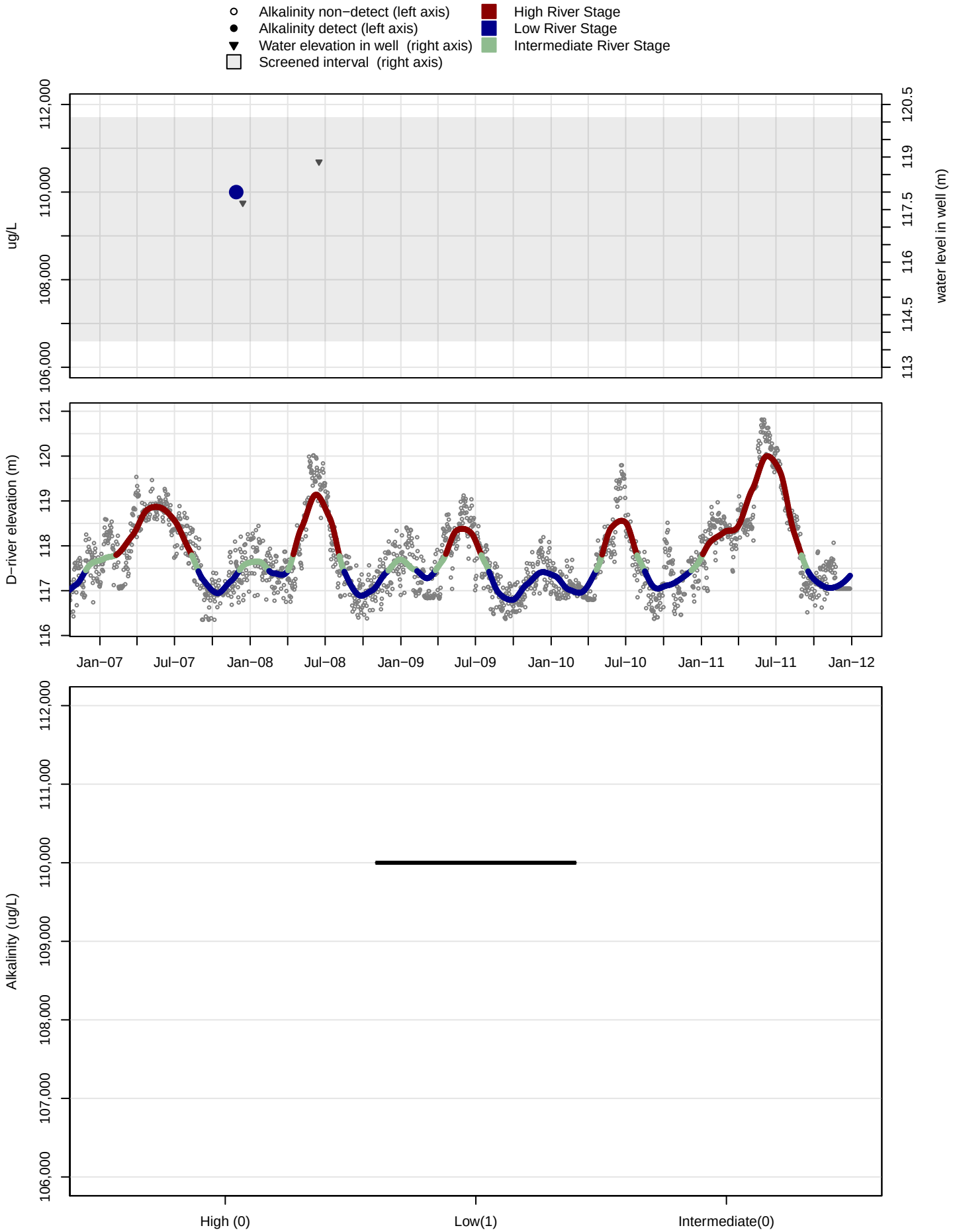
Mann Whitney p = NA t−test p = NA

199−D5−43 (612m) Lag (57 Days)



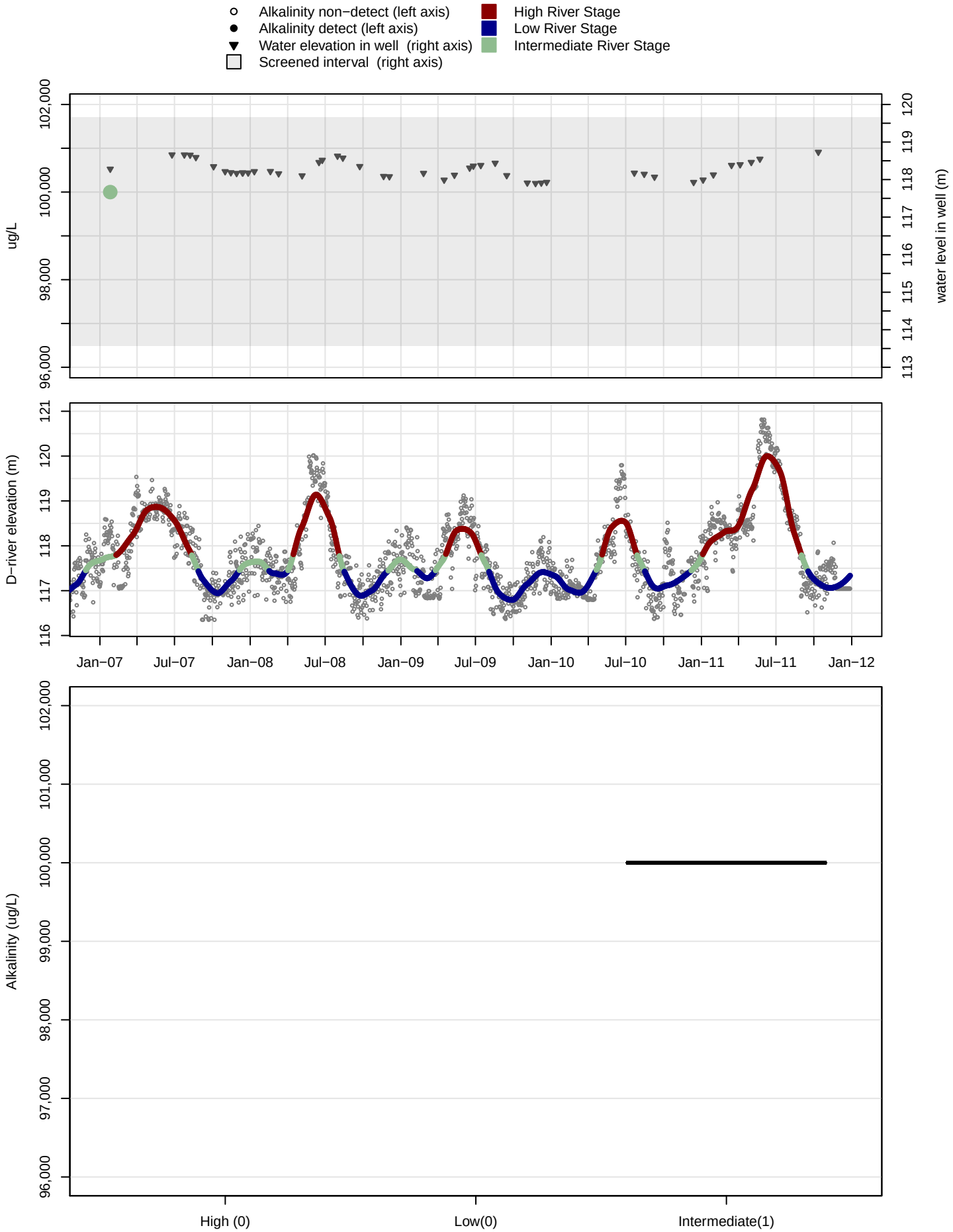
Mann Whitney p = NA t−test p = NA

199−D5−92* (105m) Lag (Indeterminate)



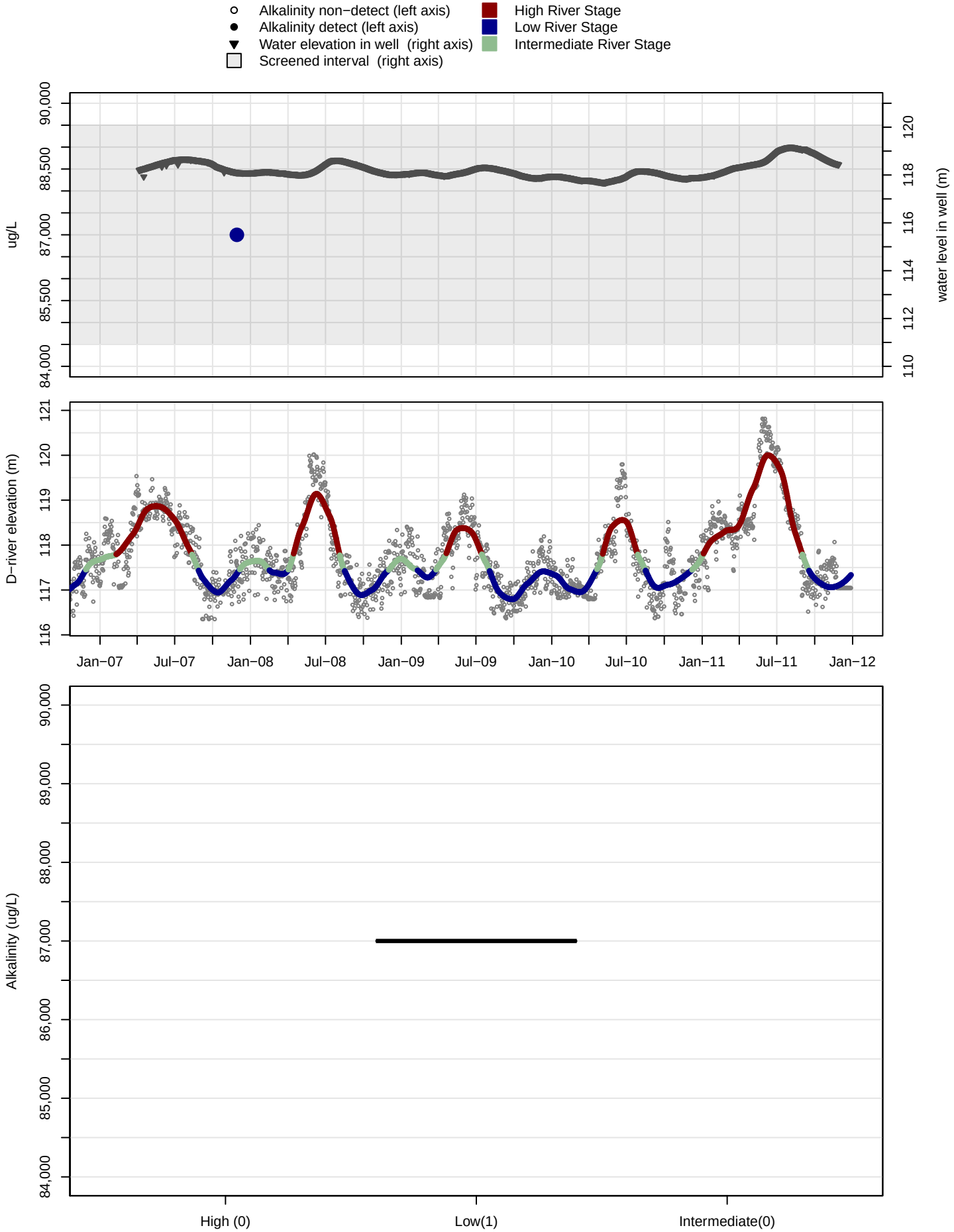
Mann Whitney p = NA t−test p = NA

199−D5−93 (611m) Lag (53 Days)



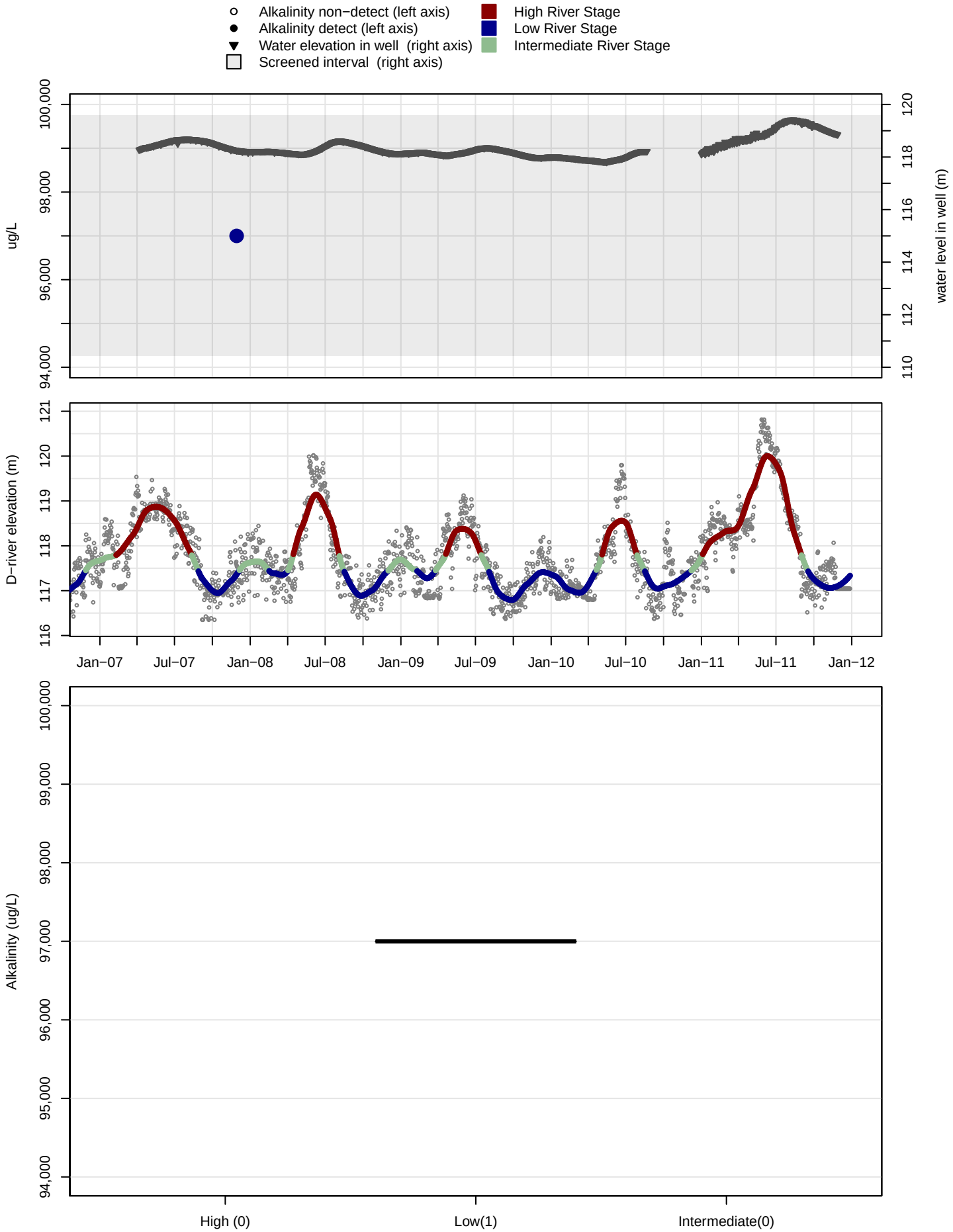
Mann Whitney p = NA t−test p = NA

199−D5−97 (635m) Lag (65 Days)



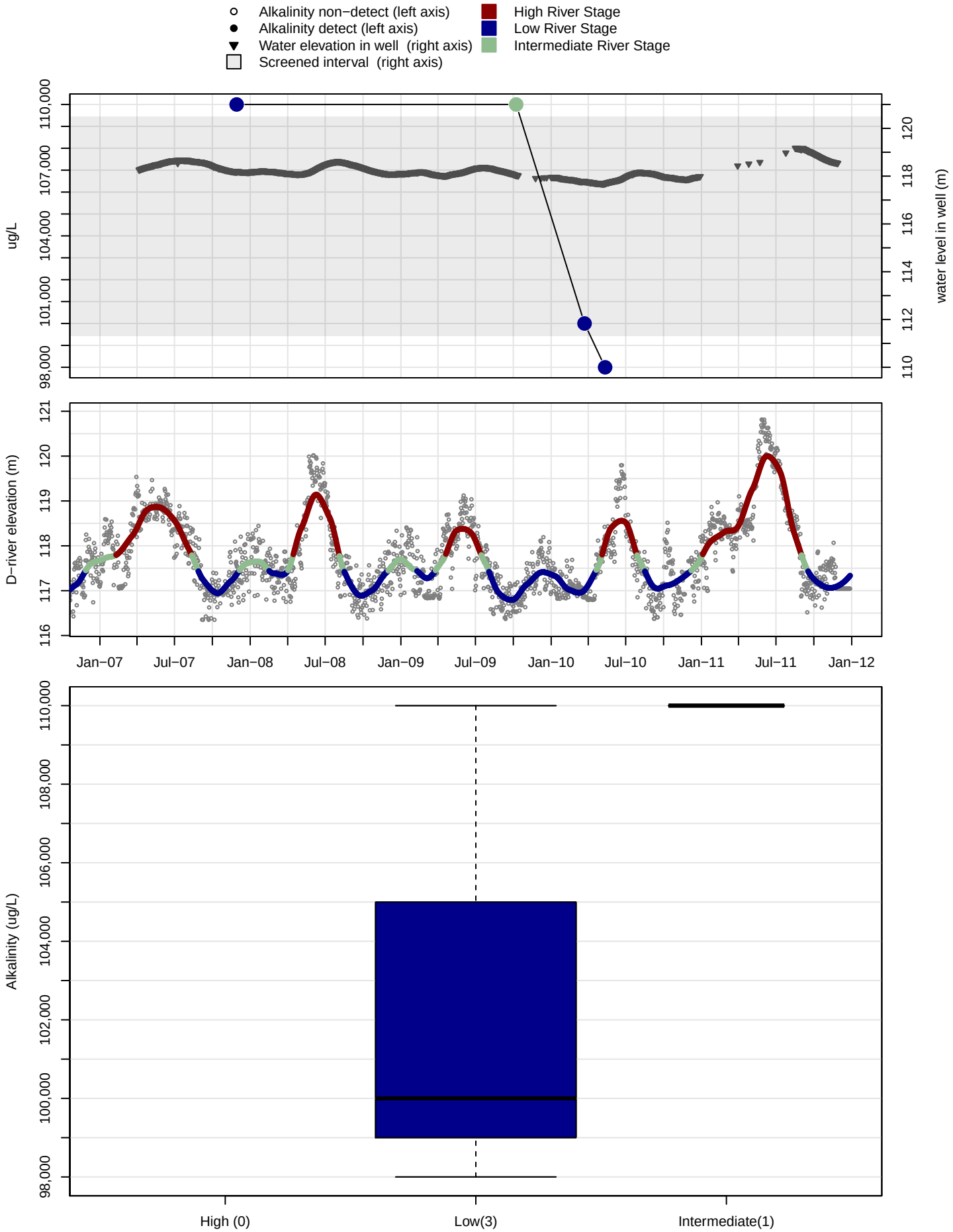
Mann Whitney p = NA t−test p = NA

199−D5−98 (743m) Lag (76 Days)



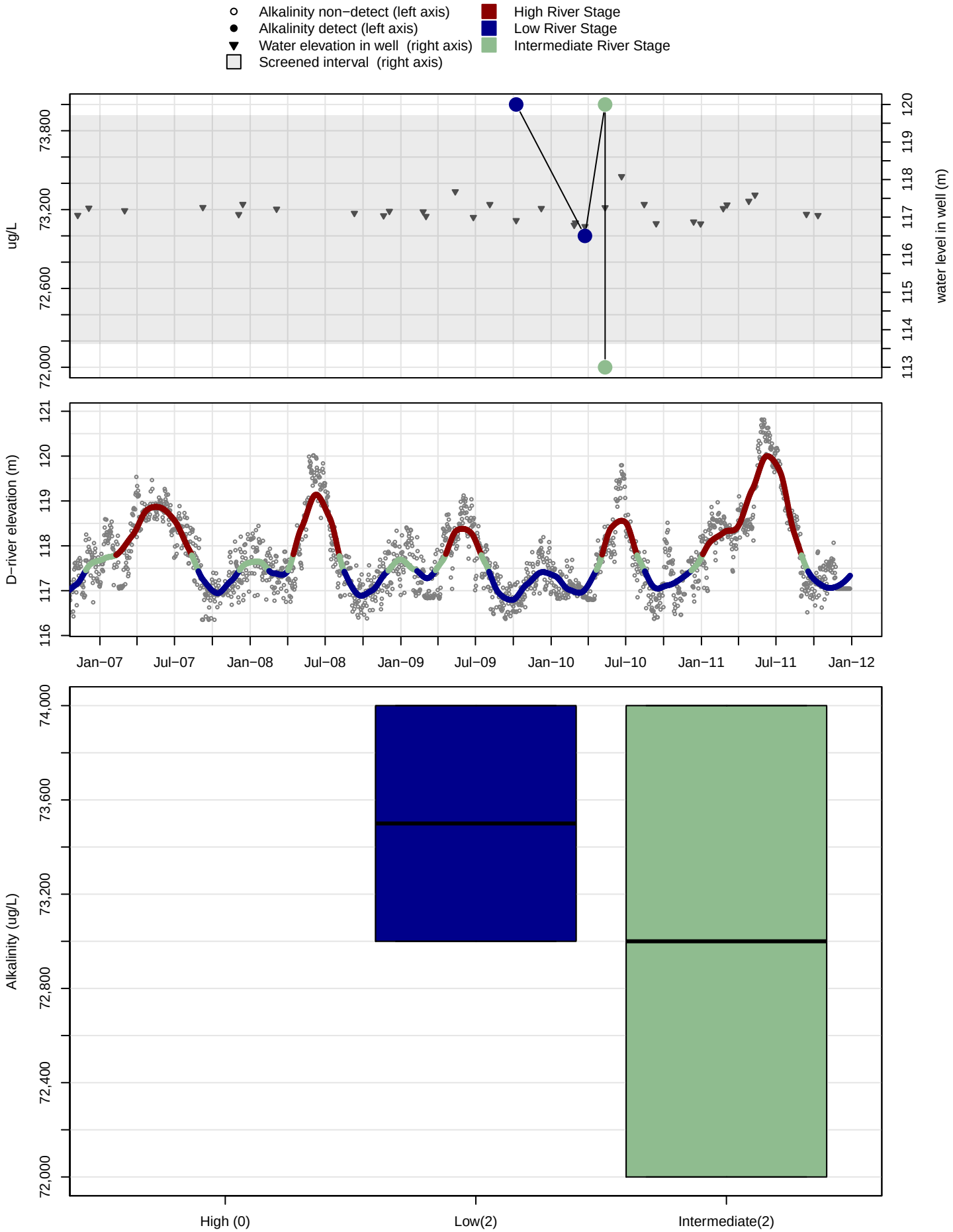
Mann Whitney p = NA t−test p = NA

199−D5−99 (648m) Lag (69 Days)



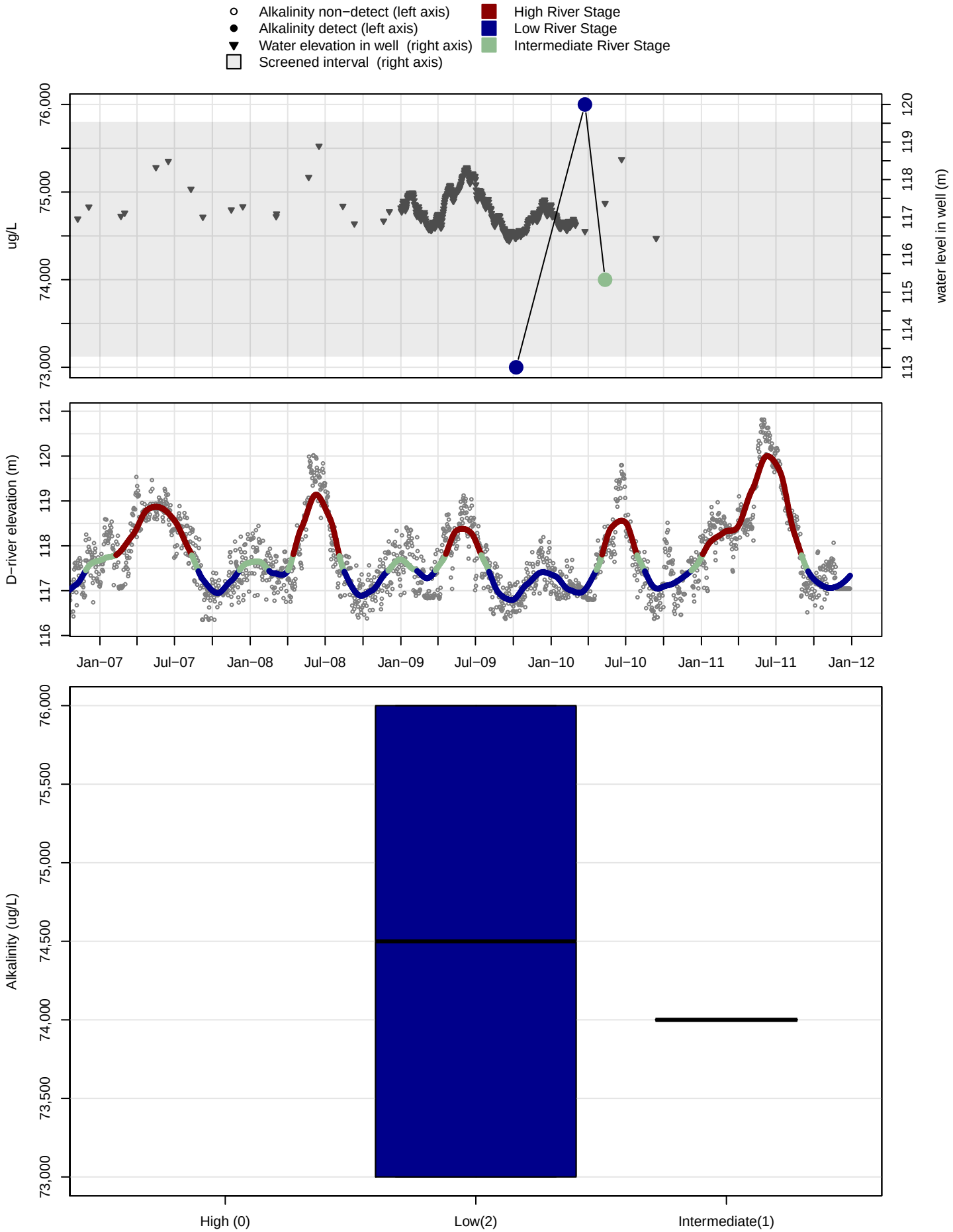
Mann Whitney p = NA t−test p = NA

199−D8−5 (127m) Lag (8 Days)



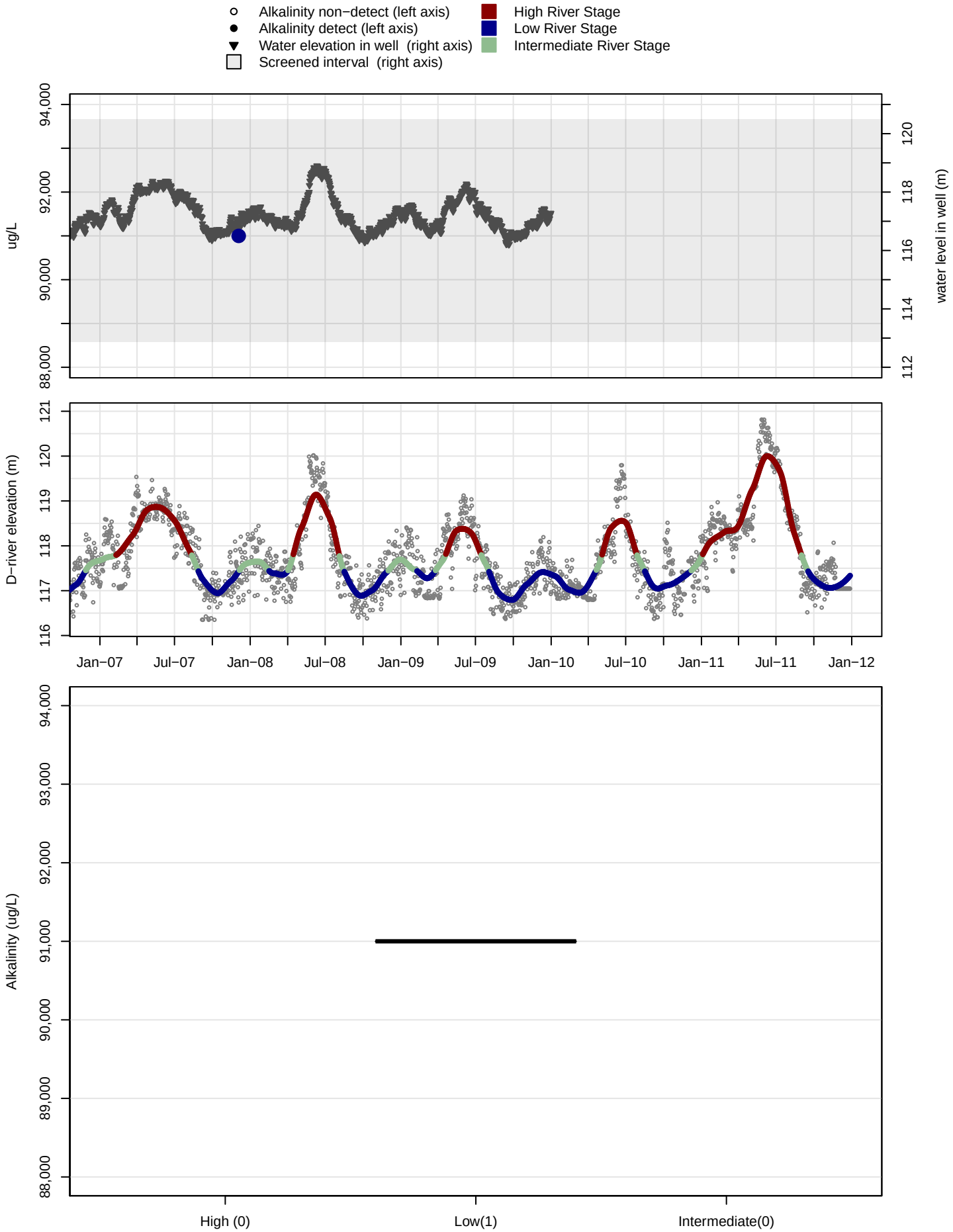
Mann Whitney p = NA t−test p = NA

199−D8−55* (85m) Lag (12 Days)



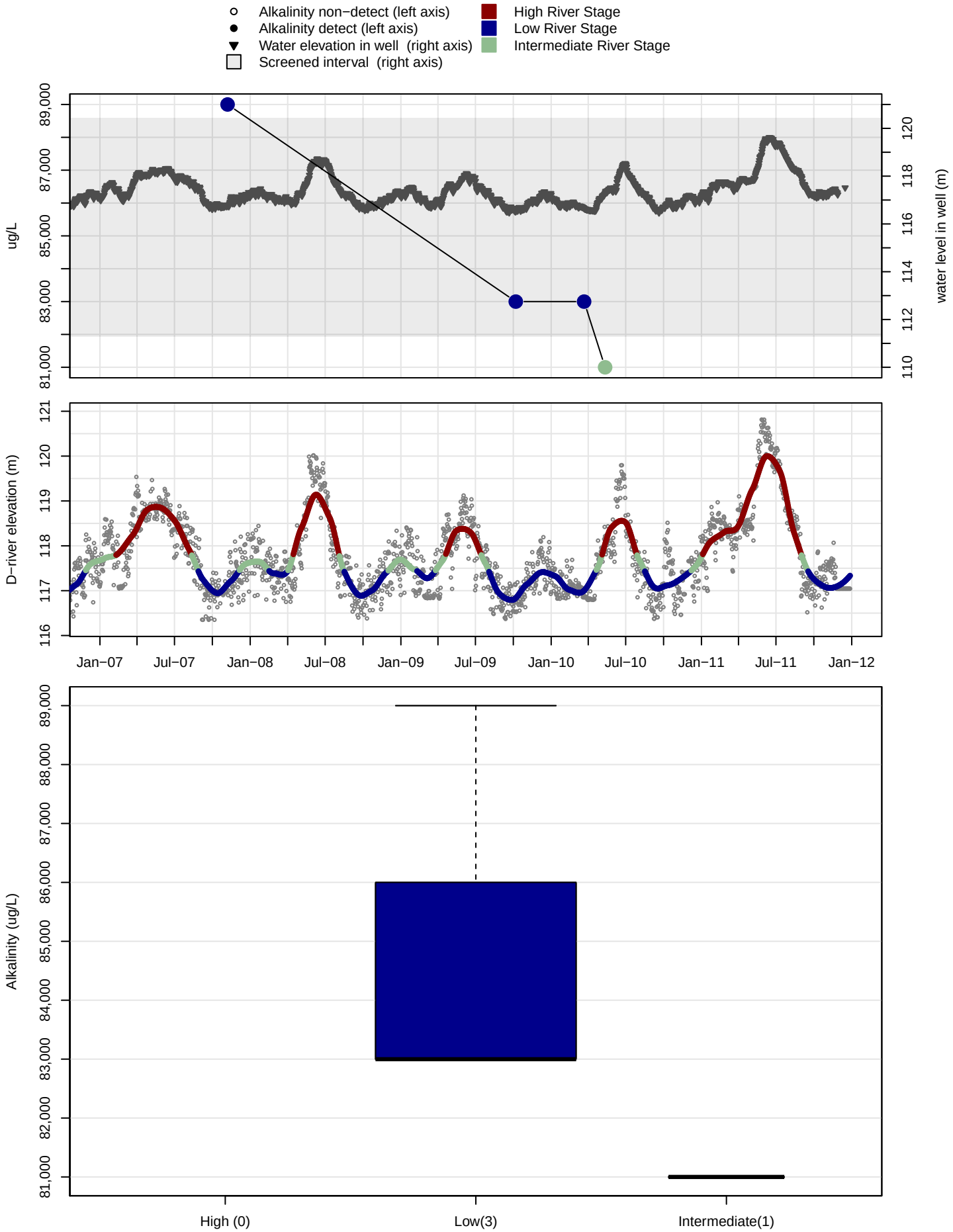
Mann Whitney p = NA t−test p = NA

199−D8−68* (101m) Lag (8 Days)



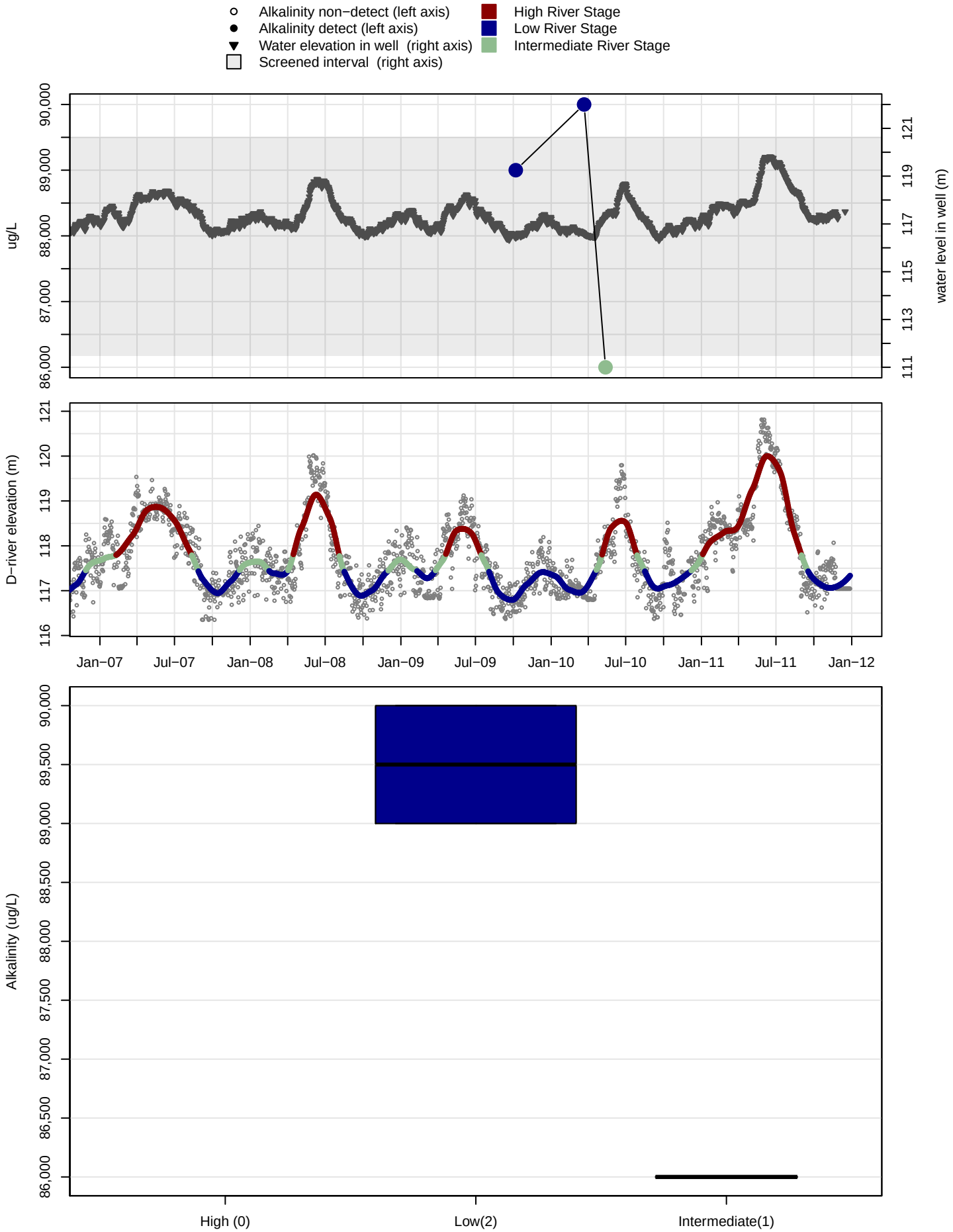
Mann Whitney p = NA t−test p = NA

199−D8−70 (179m) Lag (12 Days)



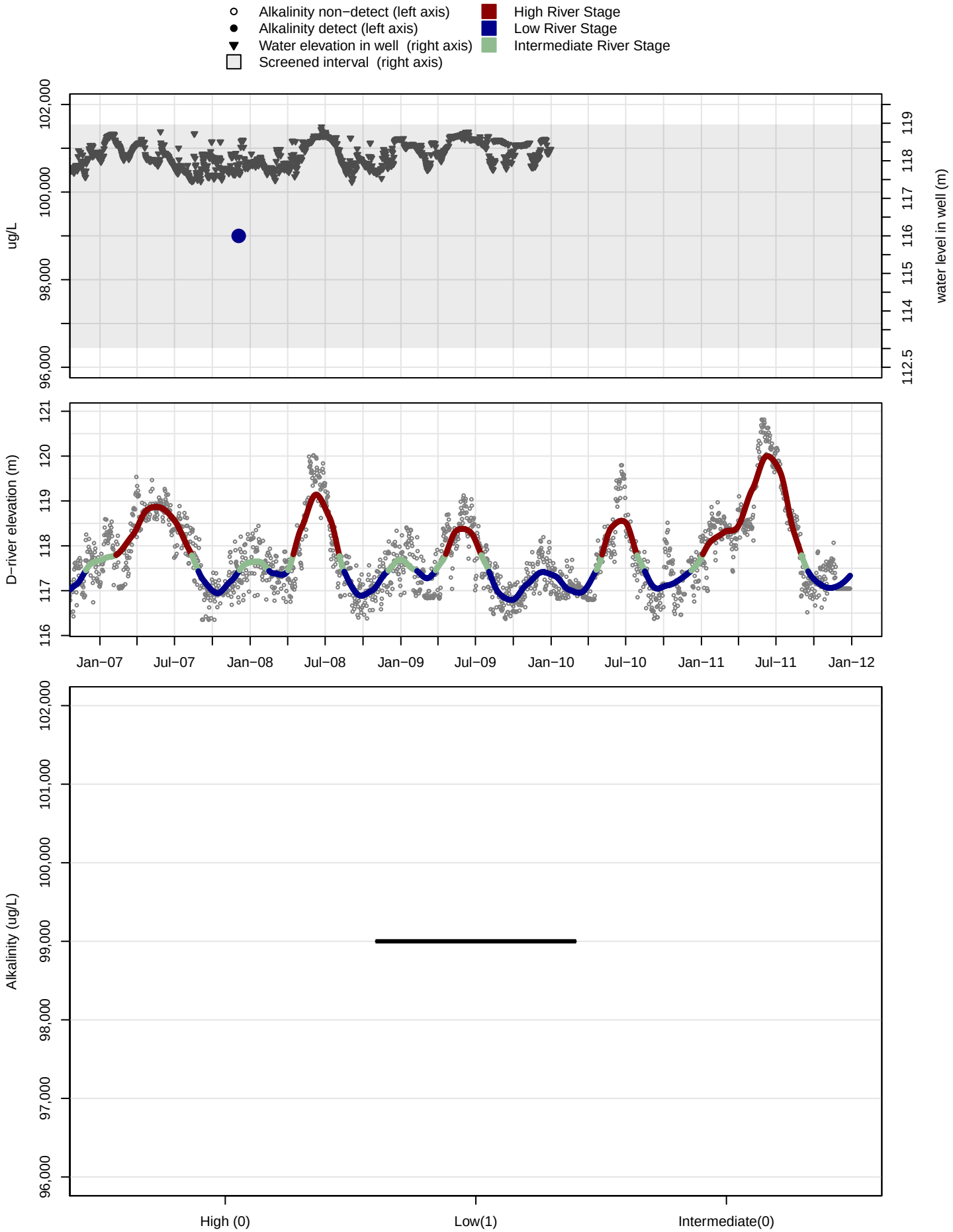
Mann Whitney p = NA t−test p = NA

199−D8−71 (173m) Lag (11 Days)



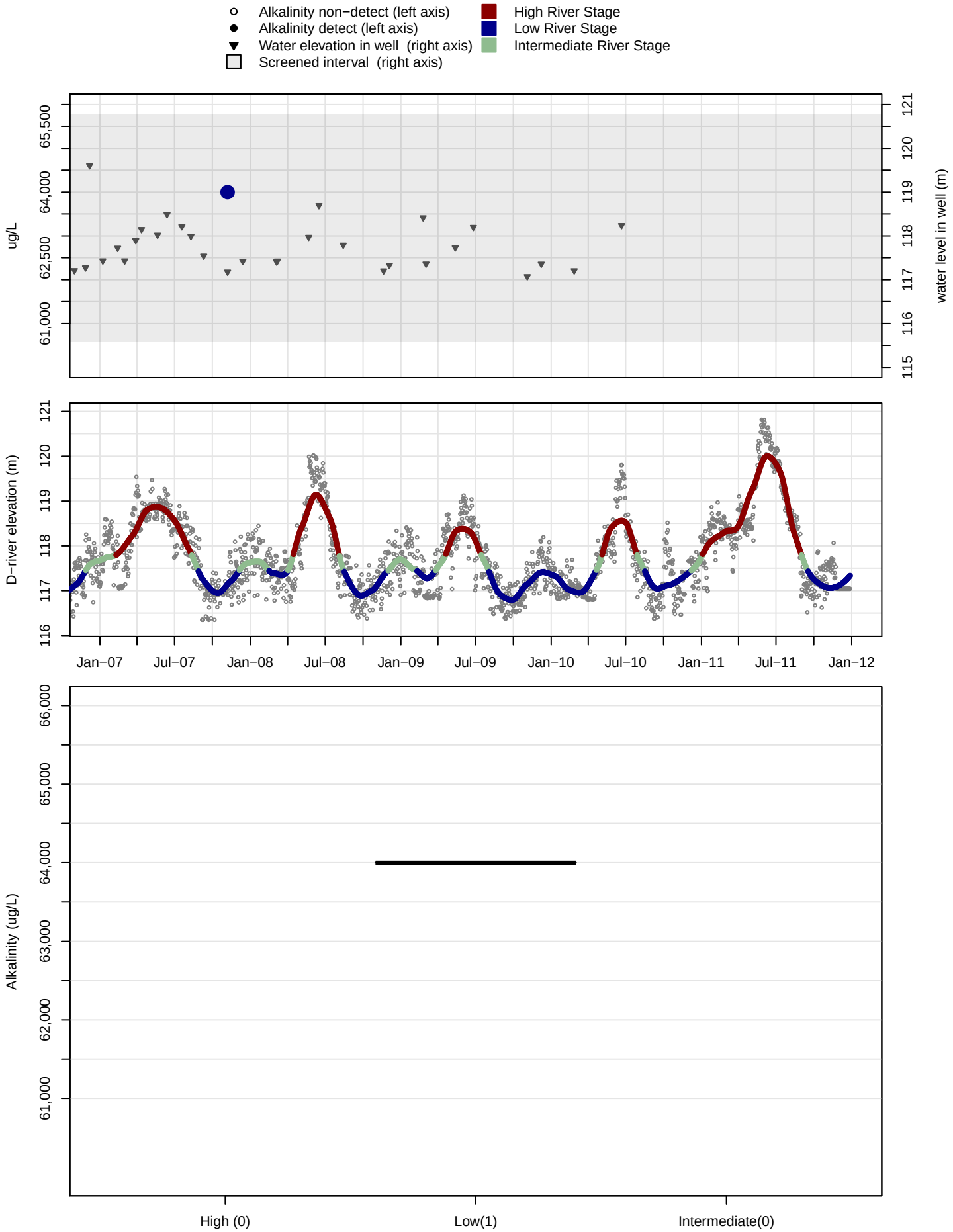
Mann Whitney p = NA t−test p = NA

199−D8−72* (173m) Lag (0 Days)



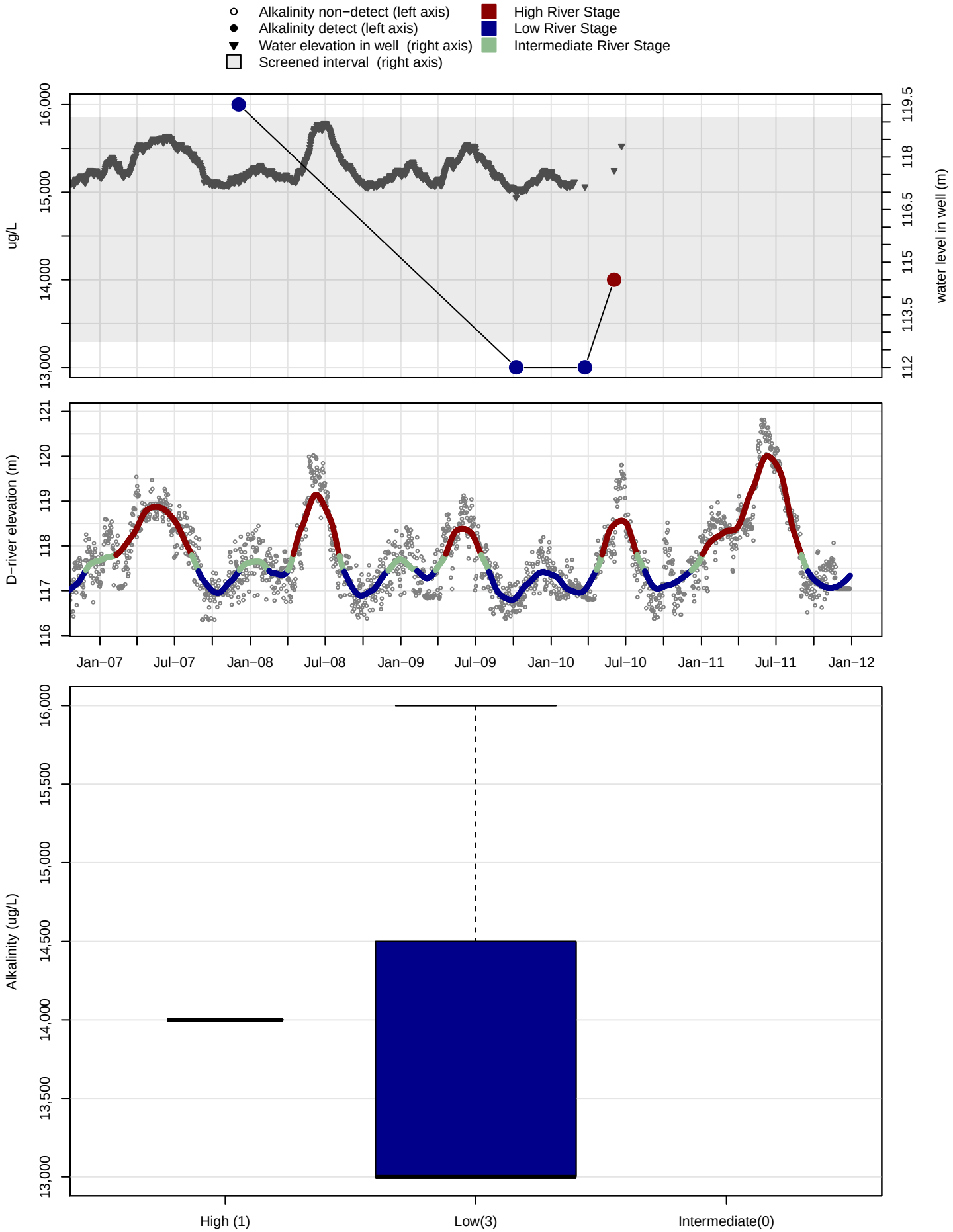
Mann Whitney p = NA t−test p = NA

199−D8−73* (118m) Lag (15 Days)



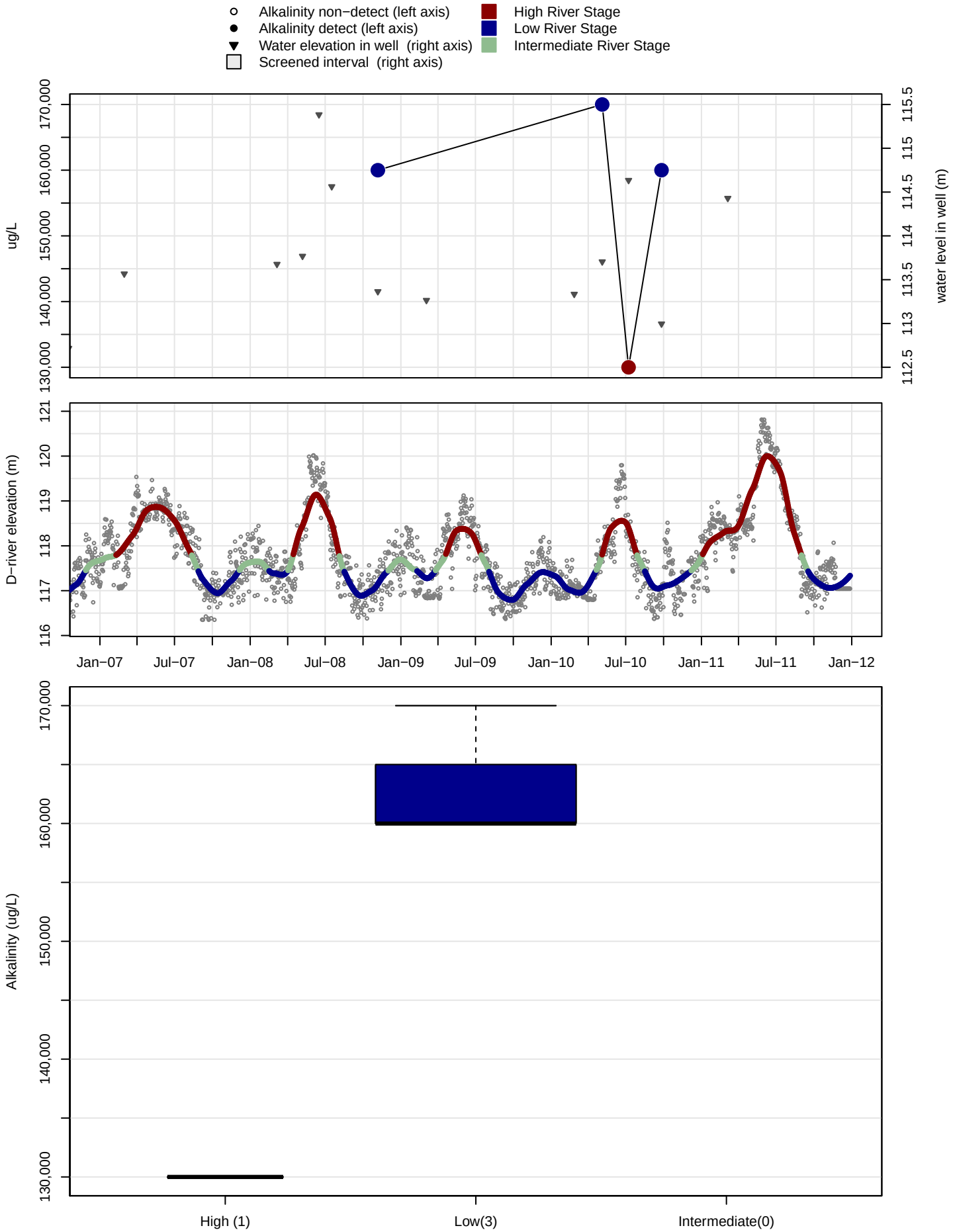
Mann Whitney p = NA t−test p = NA

199−D8−88* (95m) Lag (18 Days)



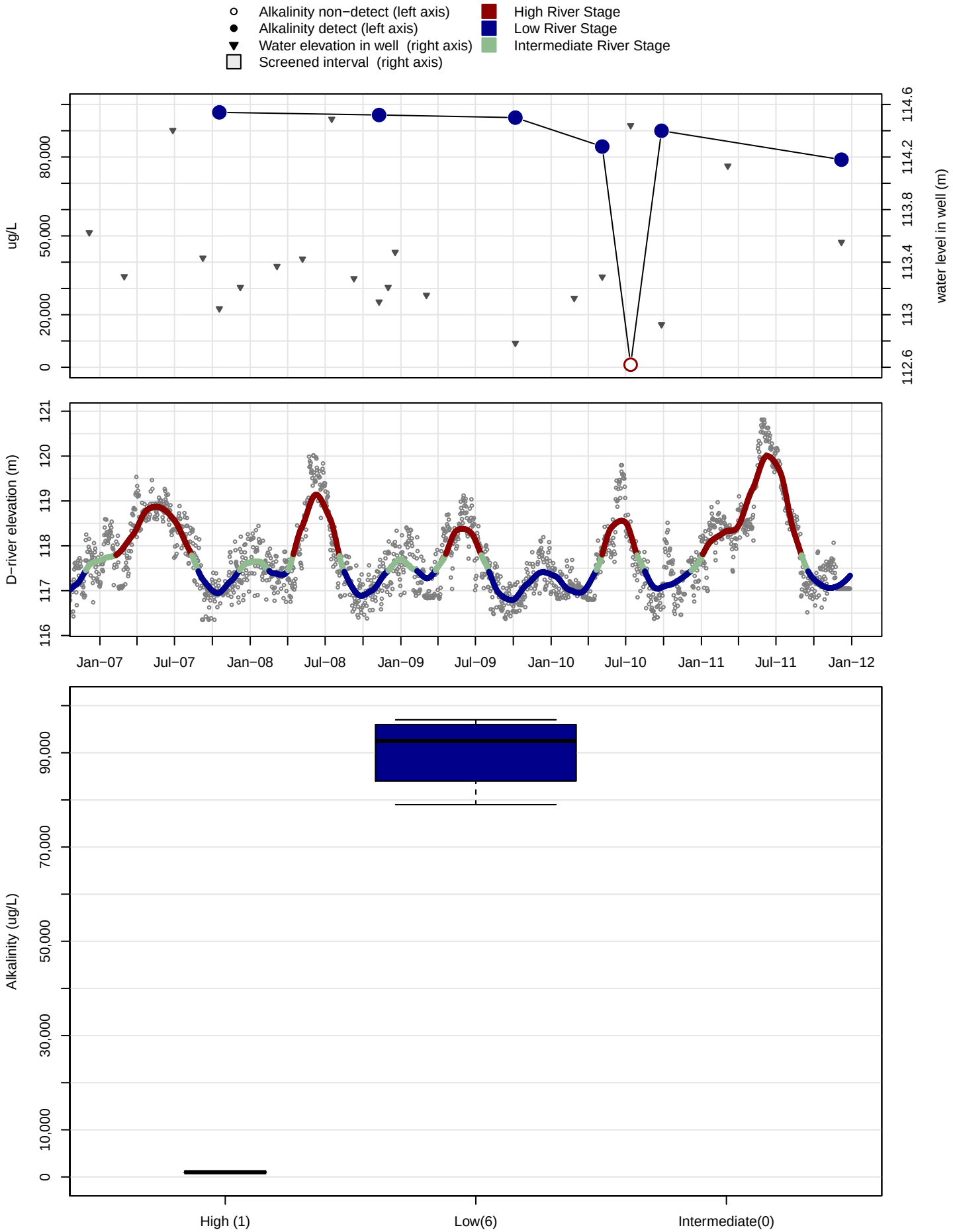
Mann Whitney p = NA t−test p = NA

199−F1−2 (89m) Lag (14 Days)



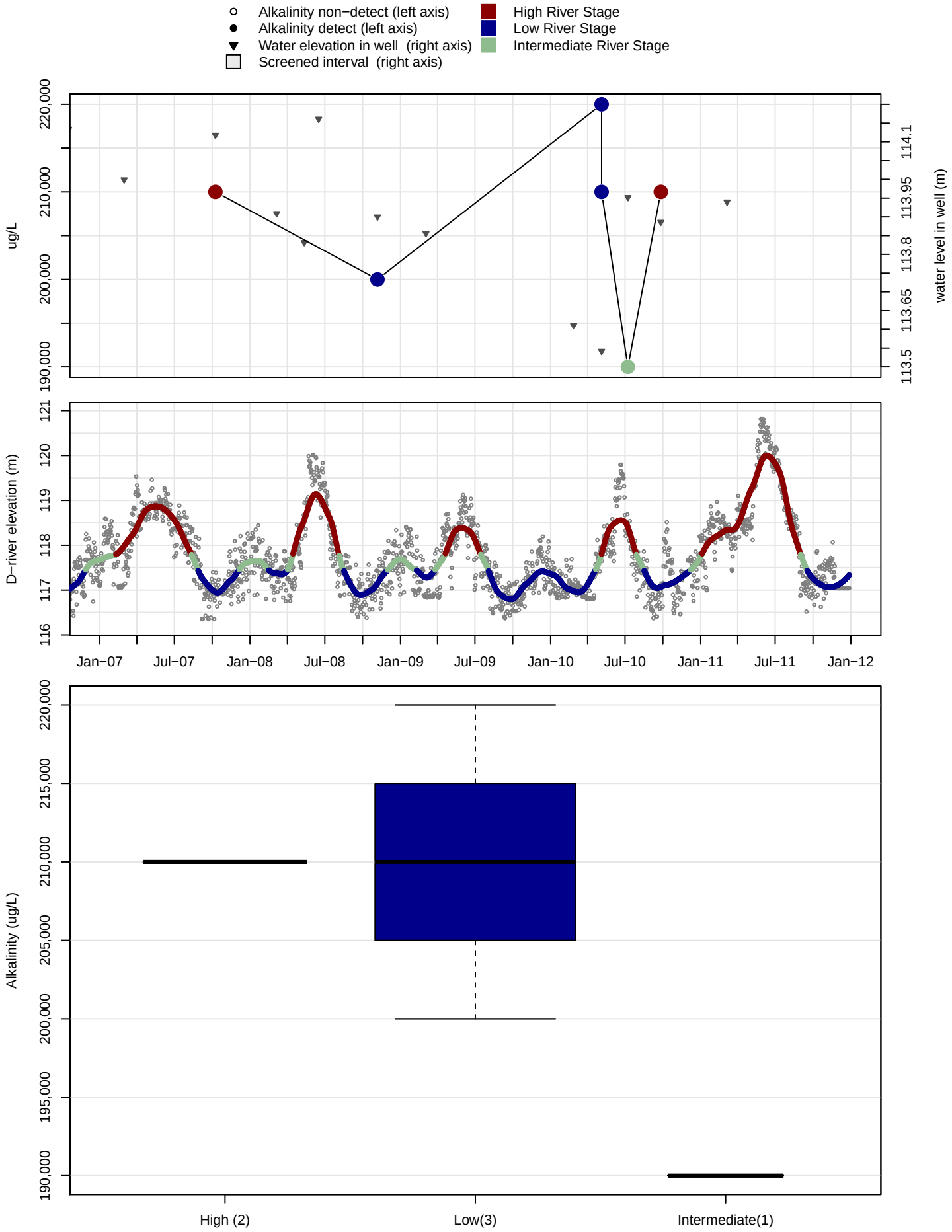
Mann Whitney p = NA t−test p = NA

199−F5−1 (106m) Lag (20 Days)



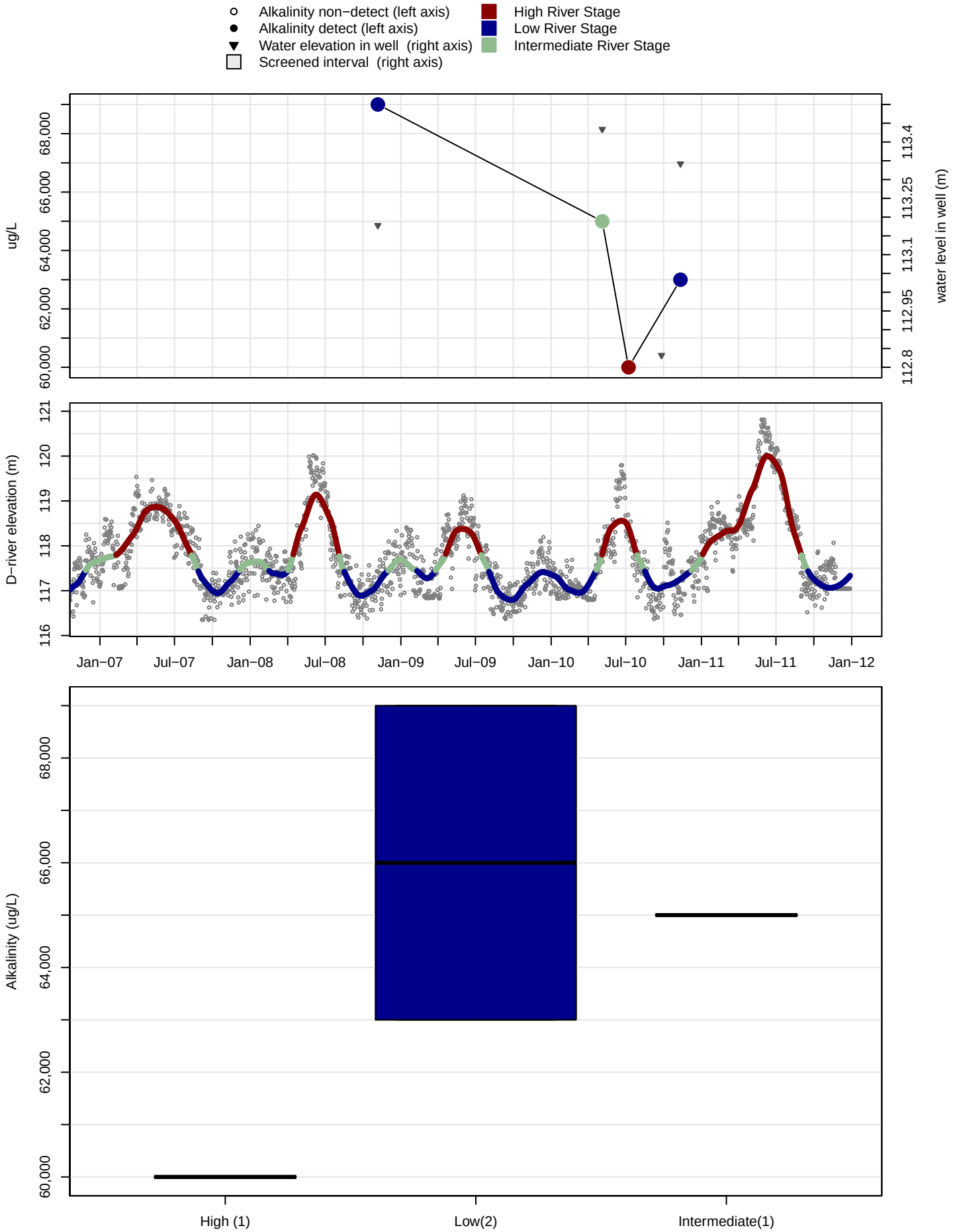
Mann Whitney p = NA t−test p = NA

199−F5−4 (722m) Lag (64 Days)



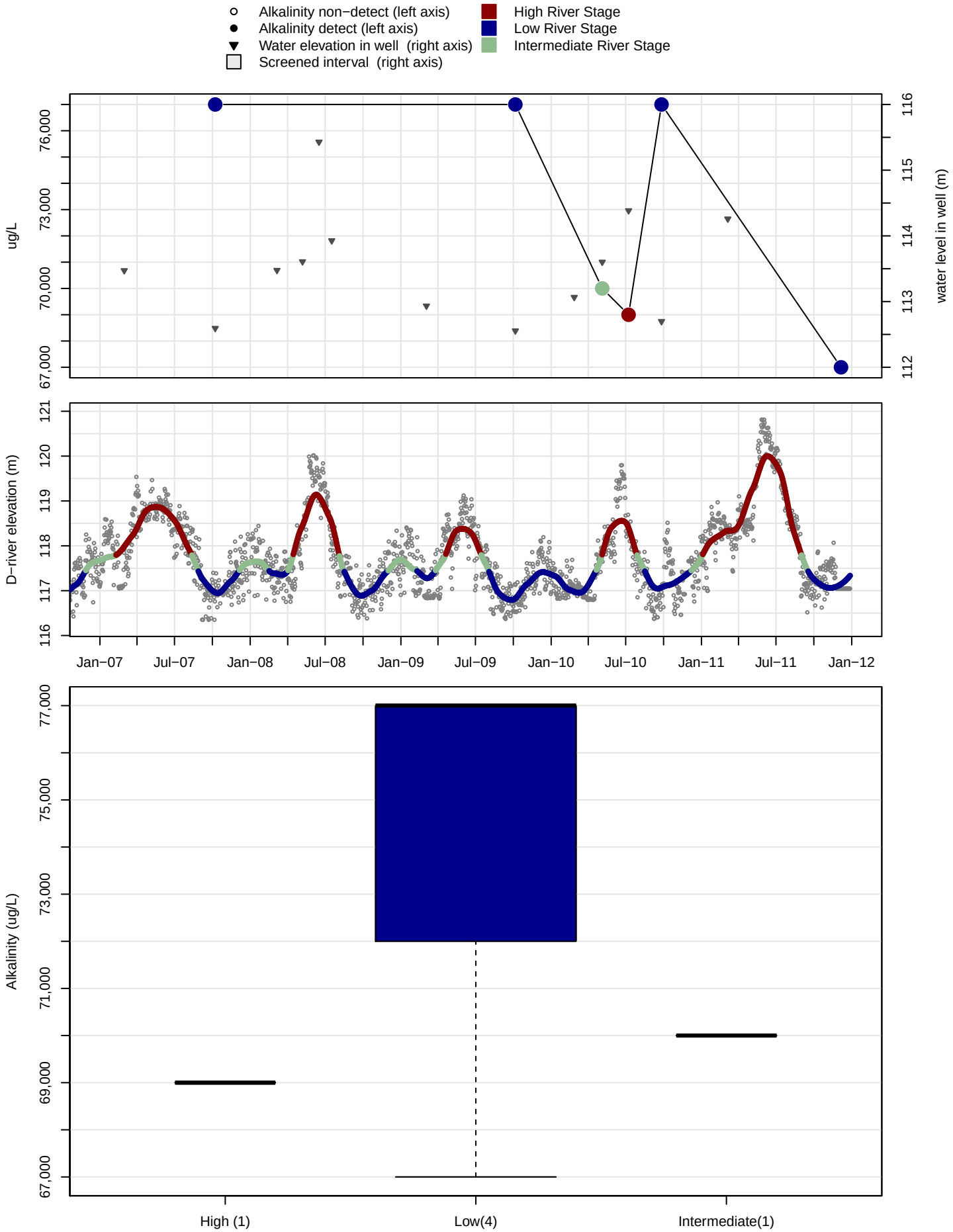
Mann Whitney p = NA t−test p = NA

199−F5−42 (23m) Lag (Indeterminate)



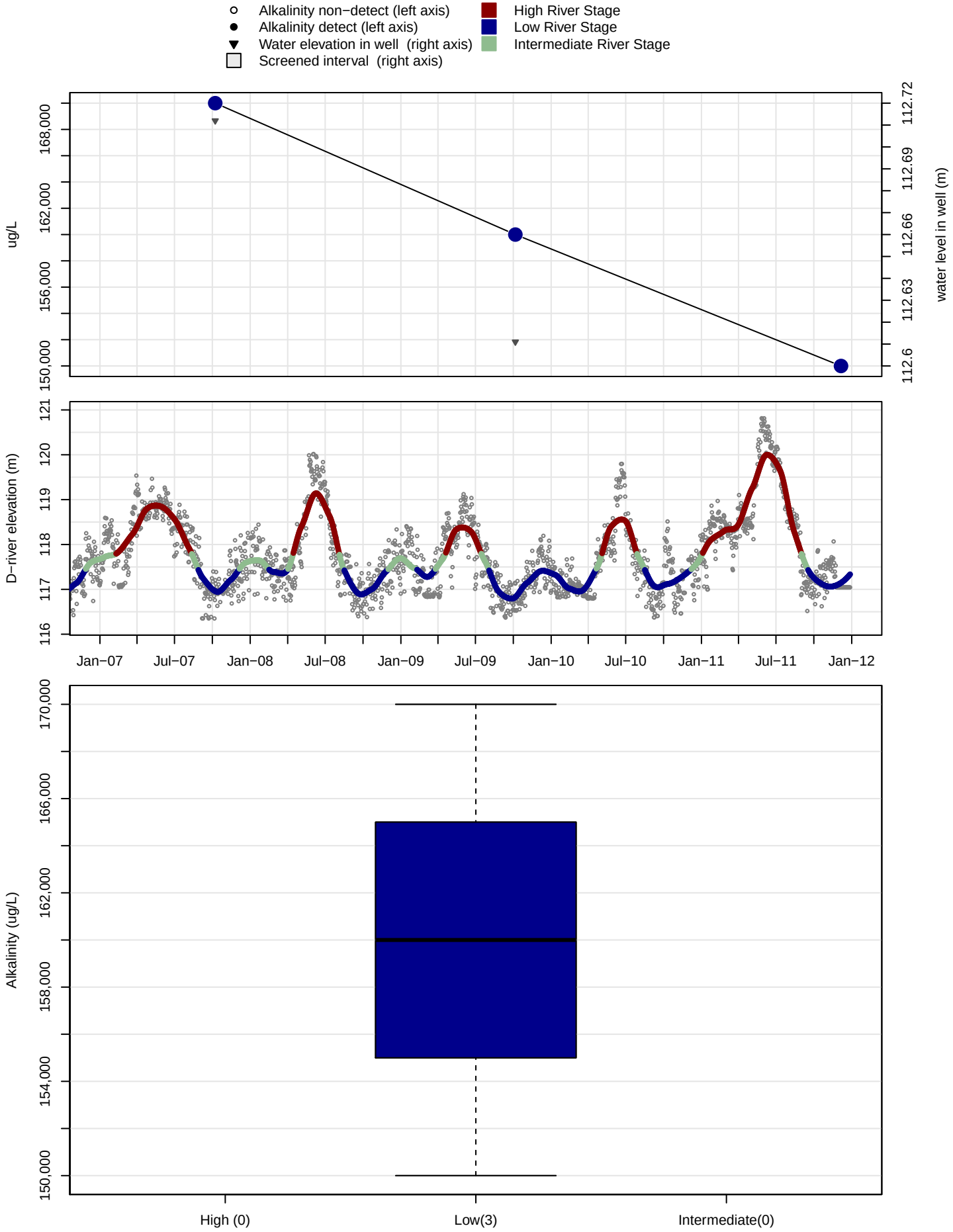
Mann Whitney p = NA t−test p = NA

199−F5−43A (28m) Lag (10 Days)



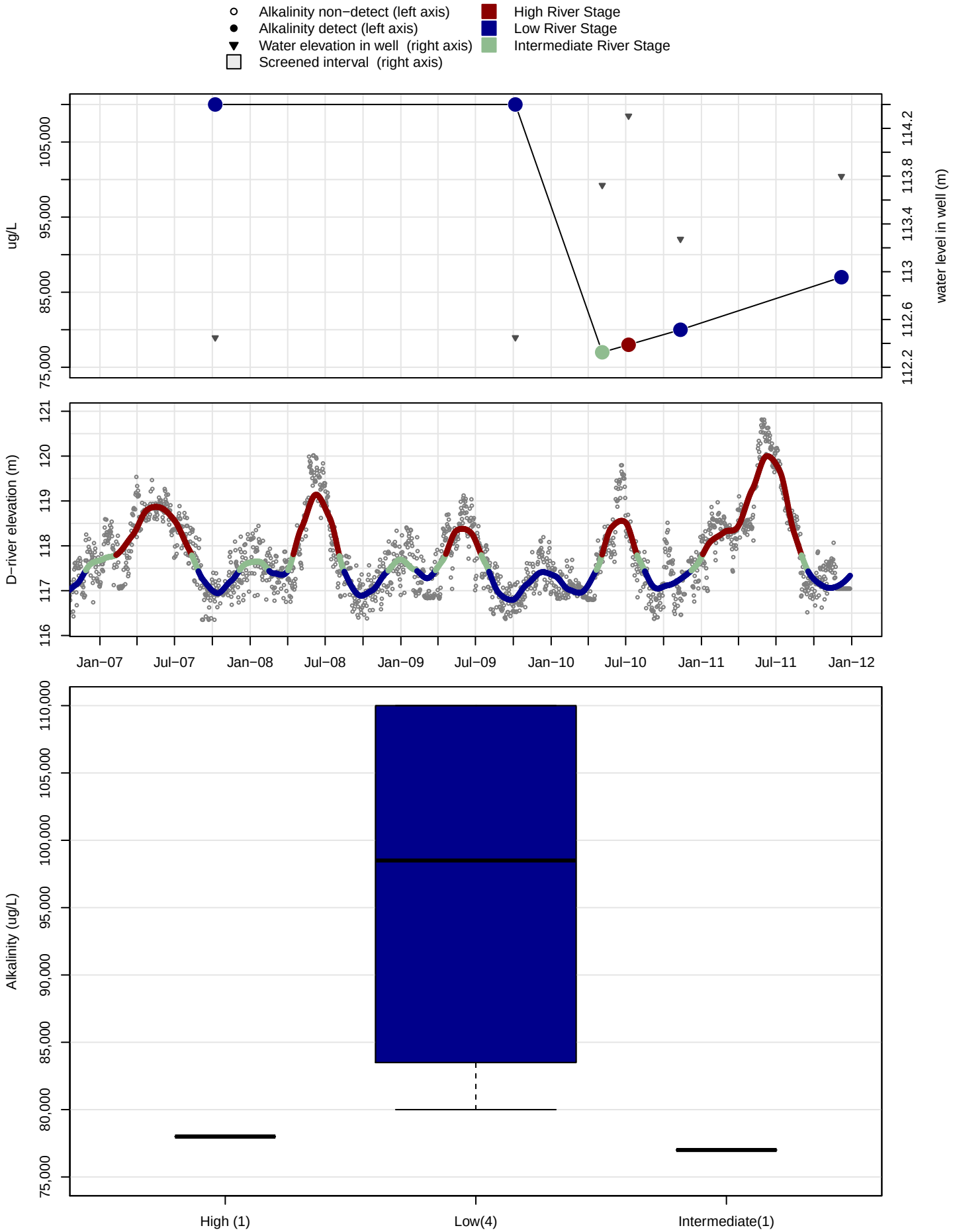
Mann Whitney p = NA t−test p = NA

199−F5−43B (27m) Lag (Indeterminate)



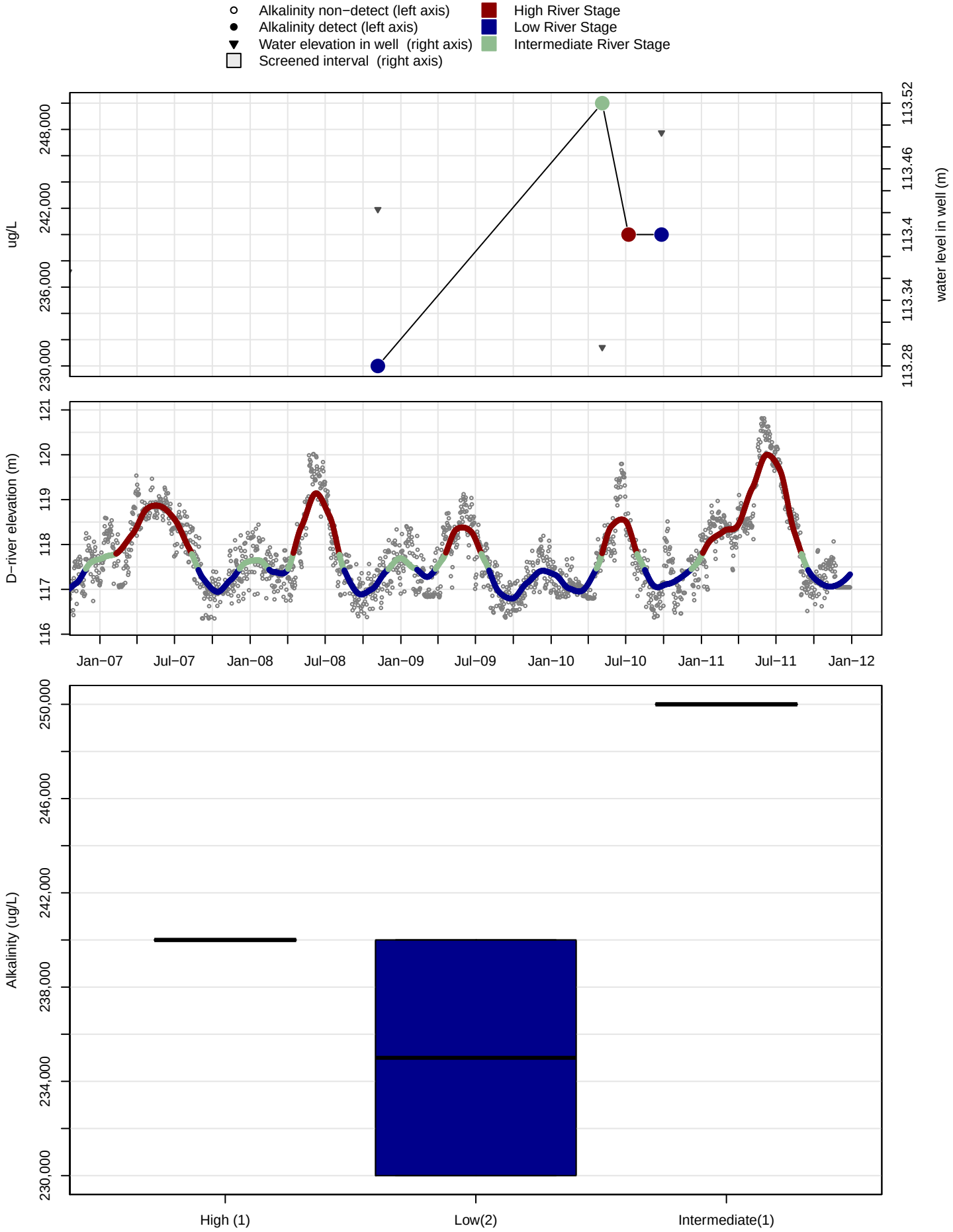
Mann Whitney p = NA t−test p = NA

199−F5−44 (31m) Lag (Indeterminate)



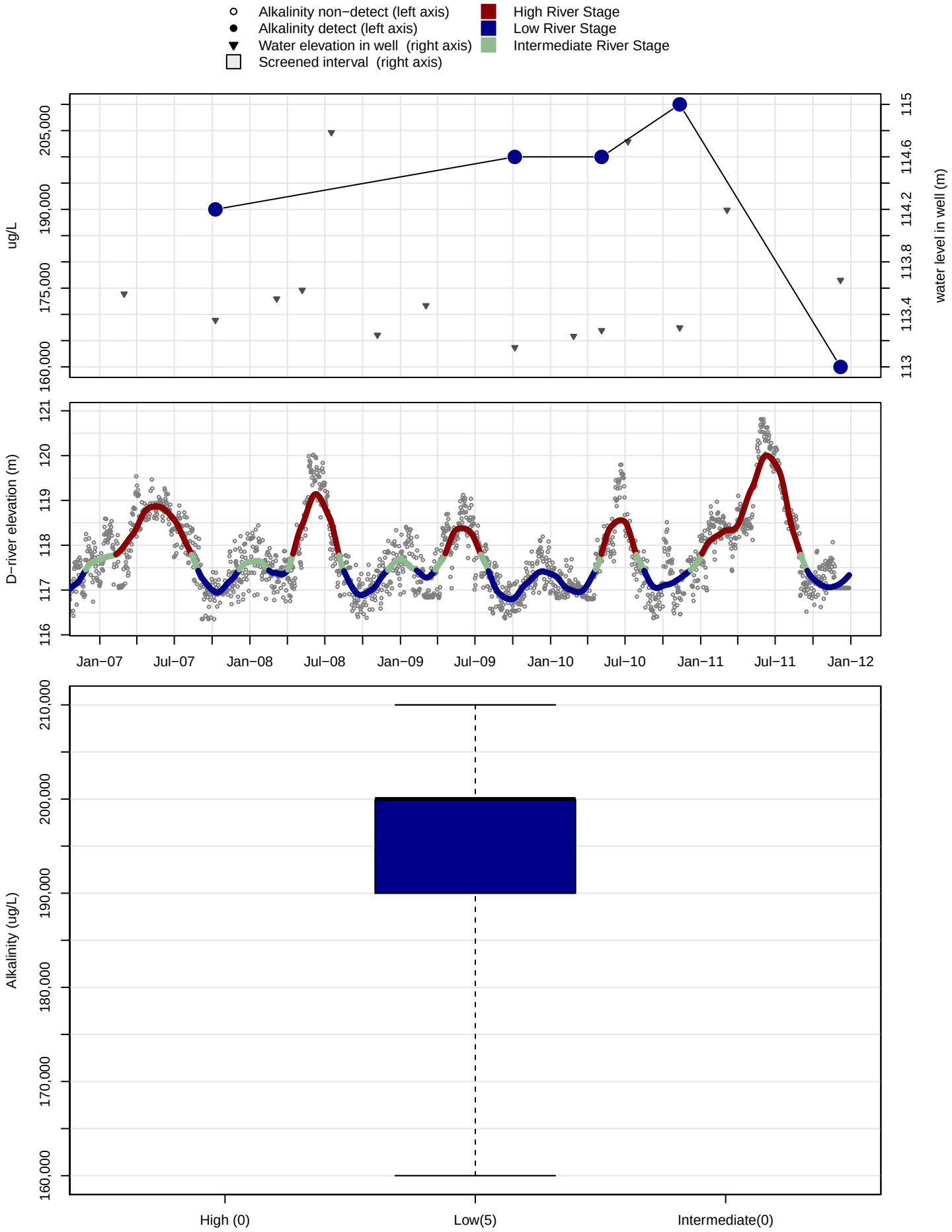
Mann Whitney p = NA t−test p = NA

199−F5−45 (530m) Lag (Indeterminate)



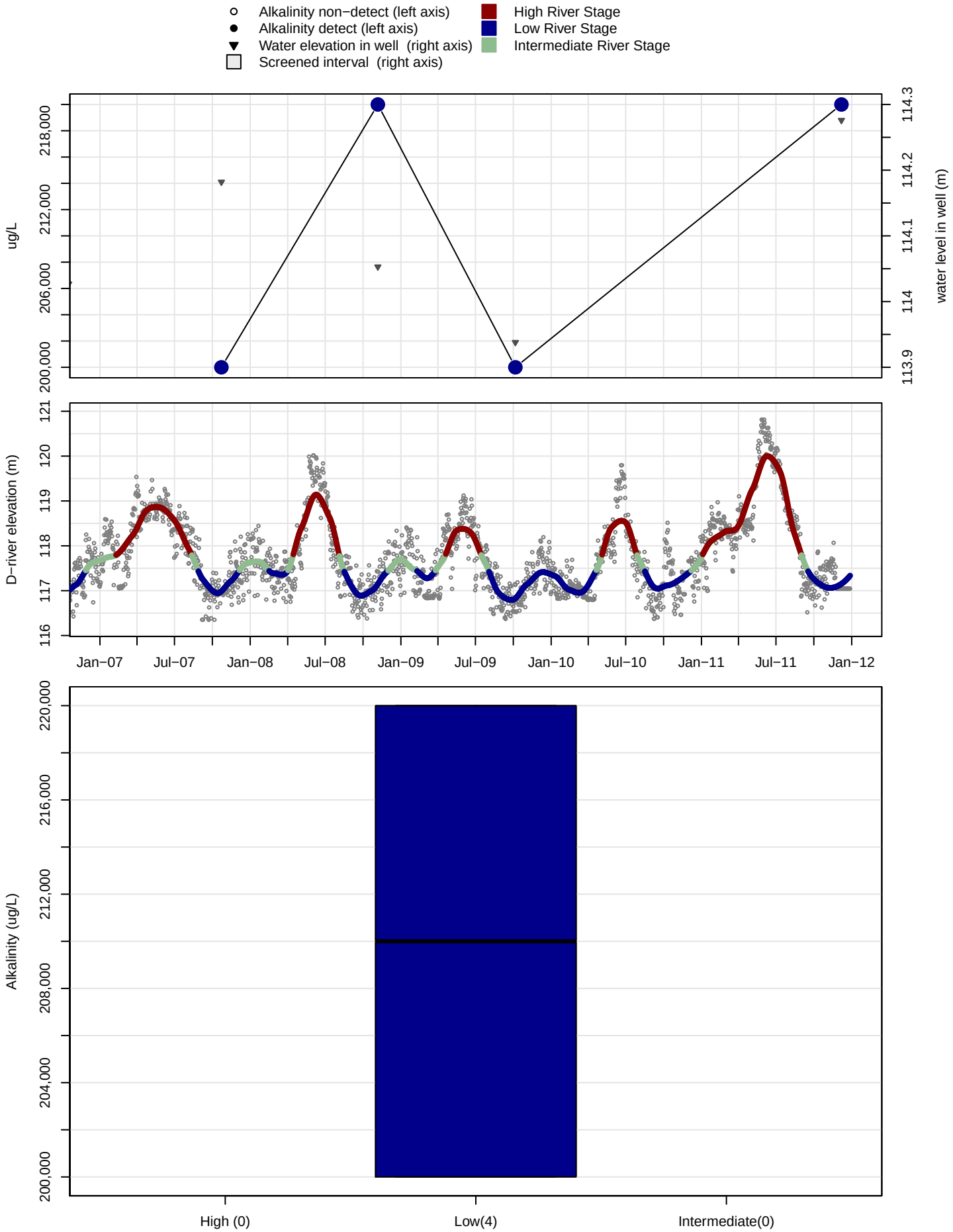
Mann Whitney p = NA t−test p = NA

199−F5−46 (371m) Lag (30 Days)



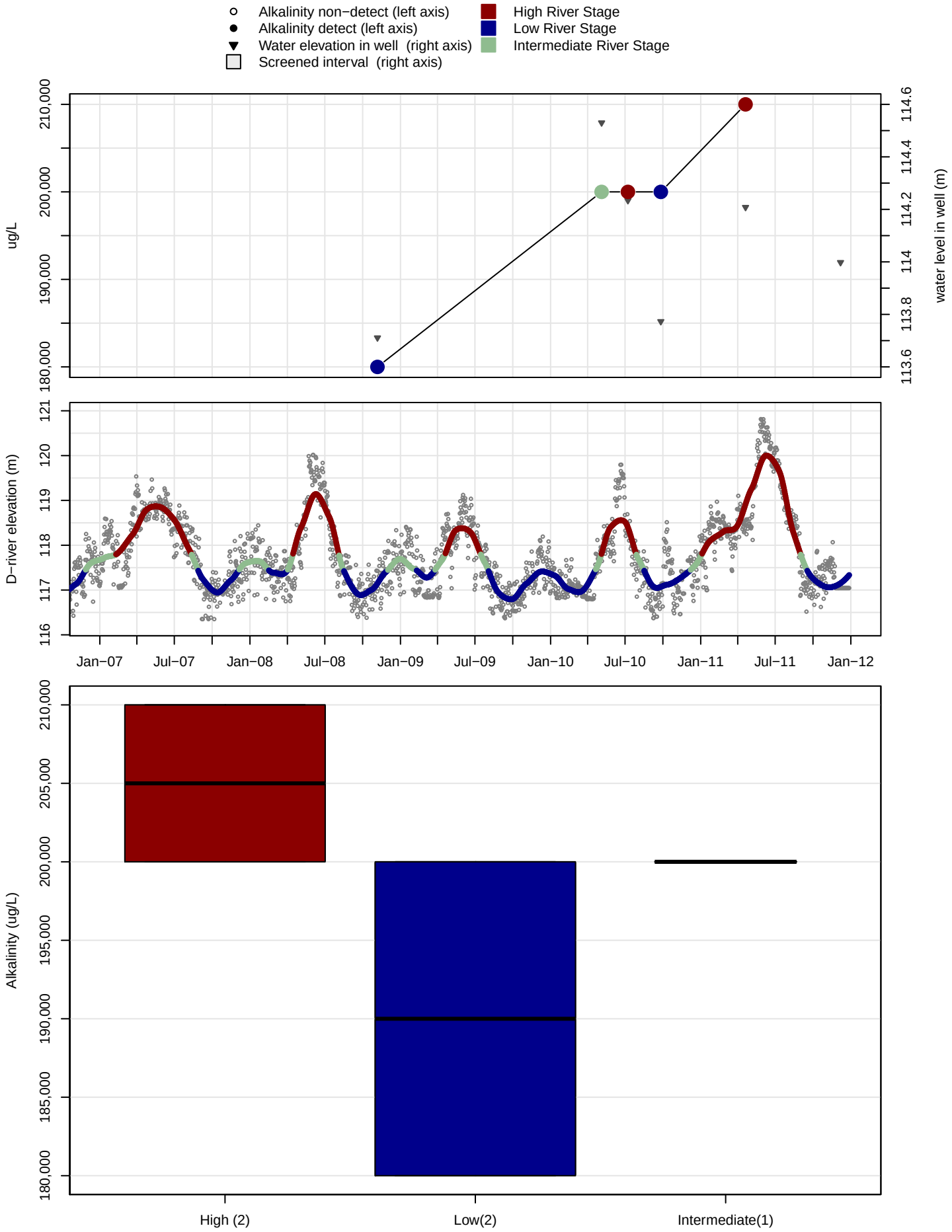
Mann Whitney p = NA t−test p = NA

199−F5−47 (792m) Lag (Indeterminate)



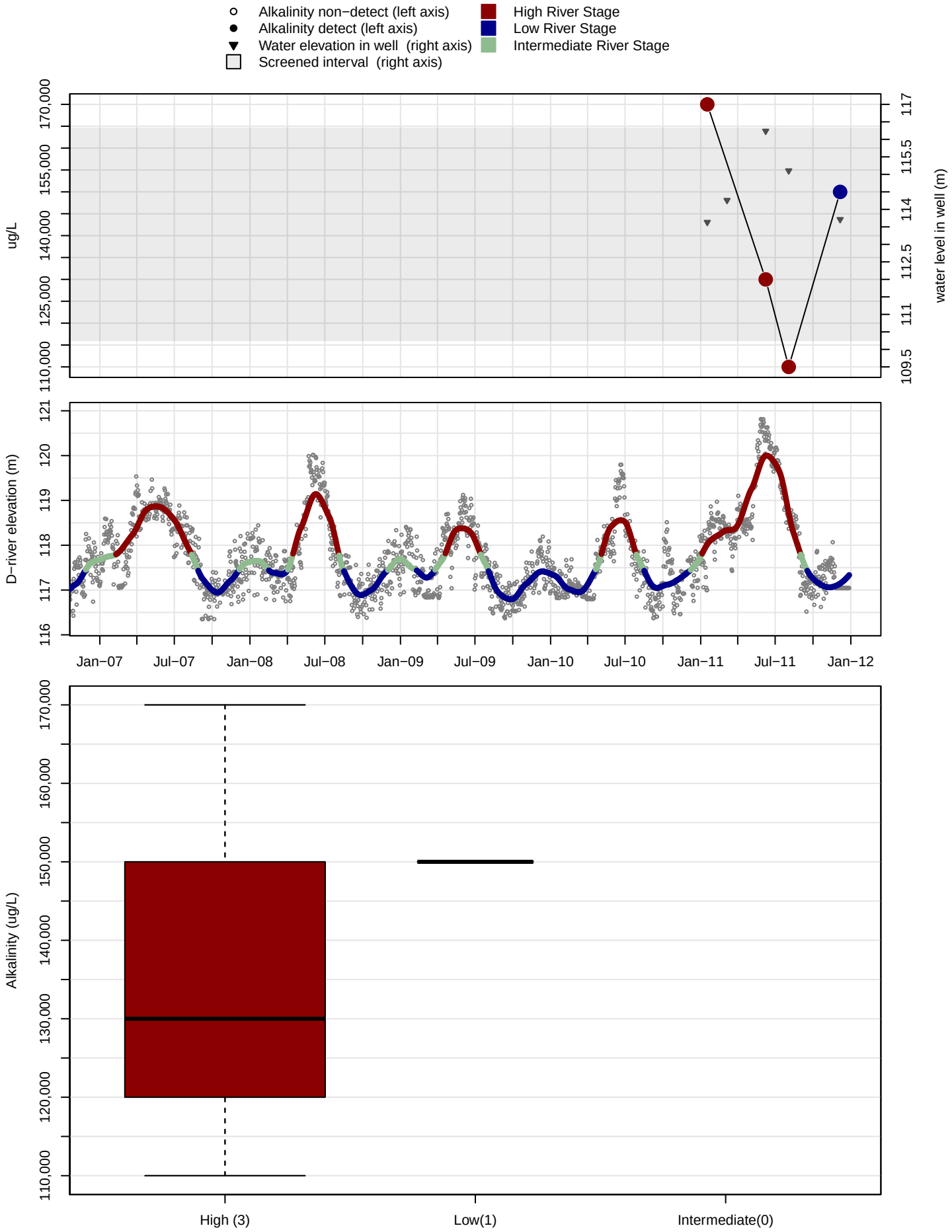
Mann Whitney p = NA t−test p = NA

199−F5−48 (637m) Lag (Indeterminate)



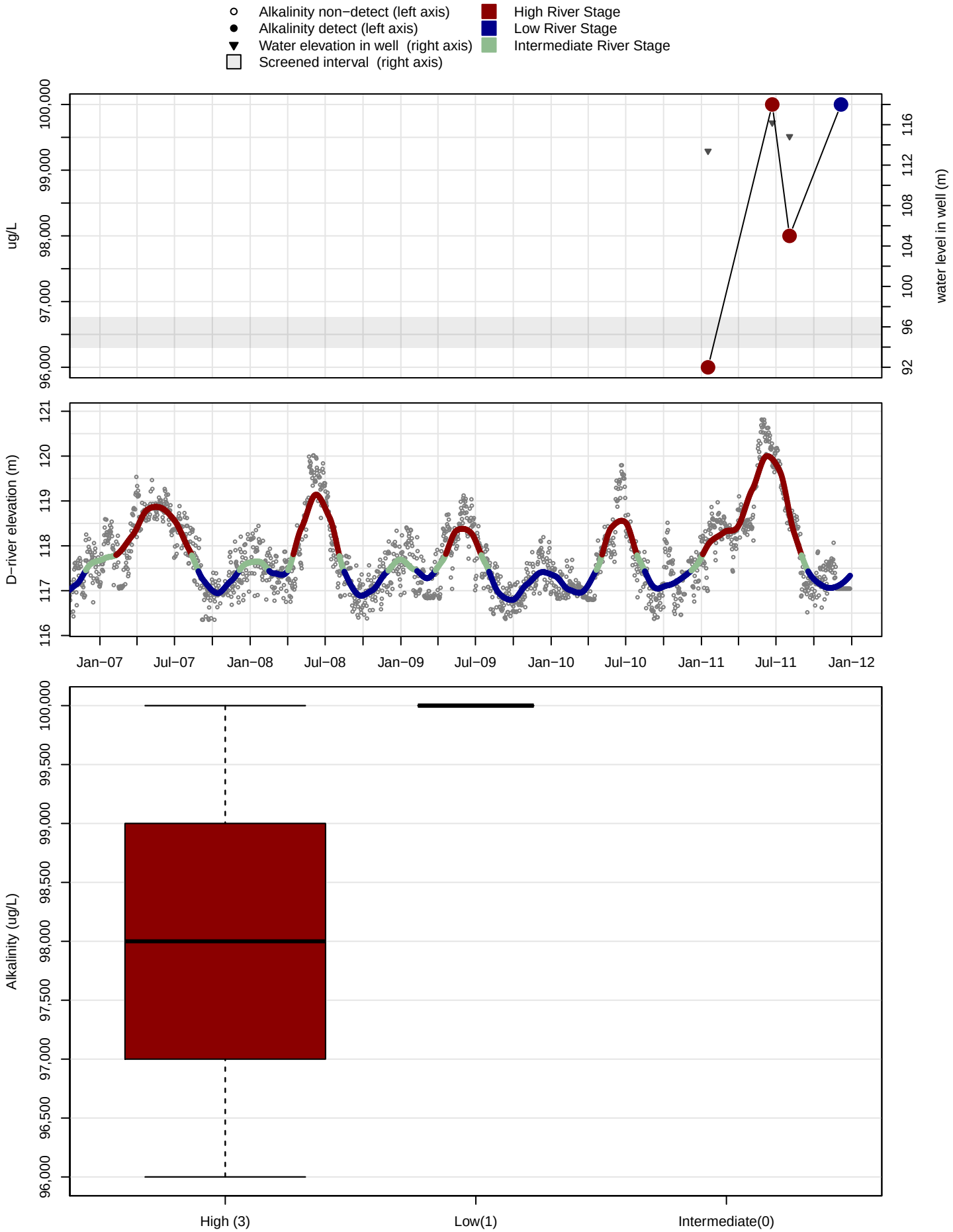
Mann Whitney p = NA t−test p = NA

199−F5−52 (186m) Lag (Indeterminate)



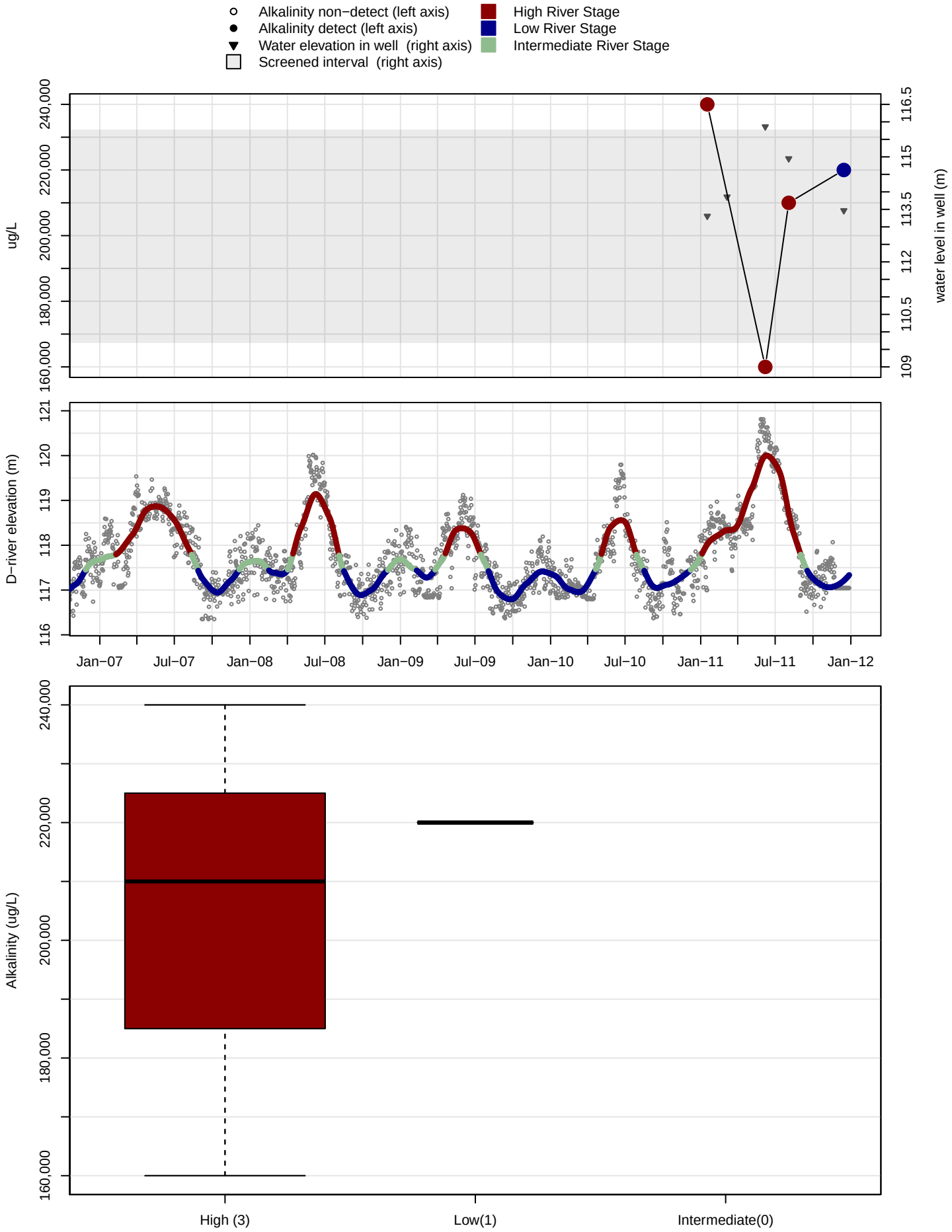
Mann Whitney p = NA t−test p = NA

199−F5−53 (82m) Lag (Indeterminate)



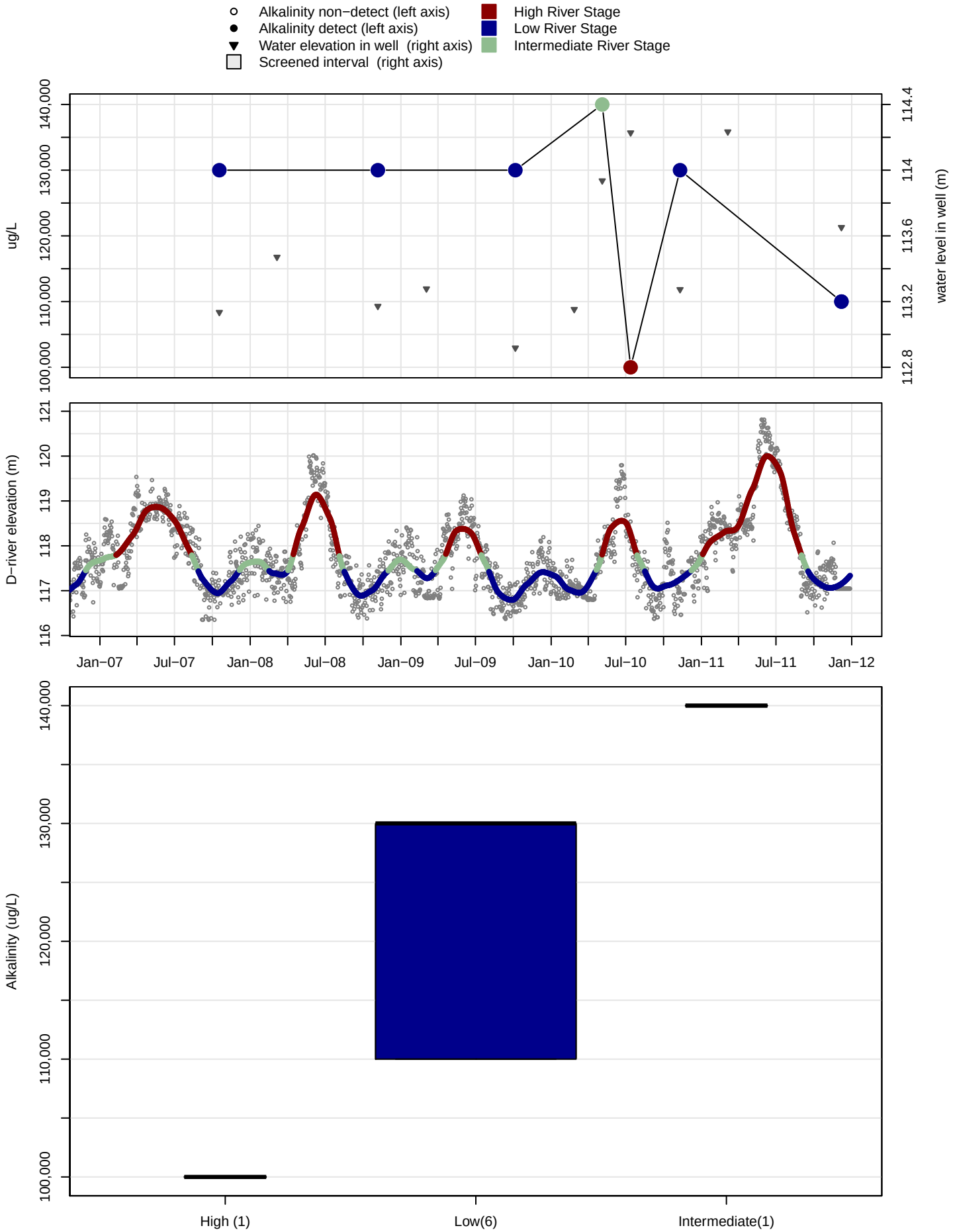
Mann Whitney p = NA t−test p = NA

199−F5−54 (248m) Lag (Indeterminate)



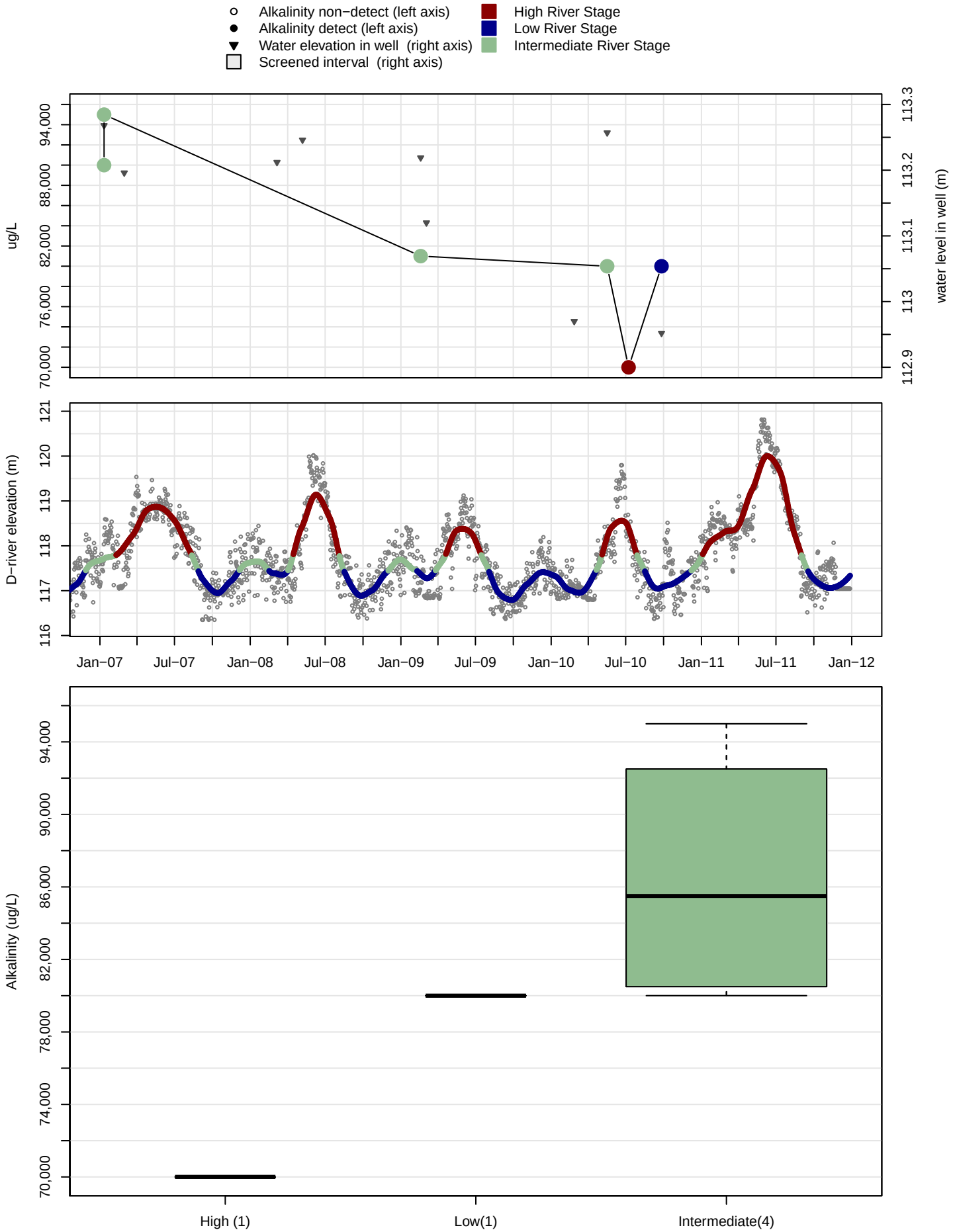
Mann Whitney p = NA t−test p = NA

199−F5−6 (123m) Lag (2 Days)



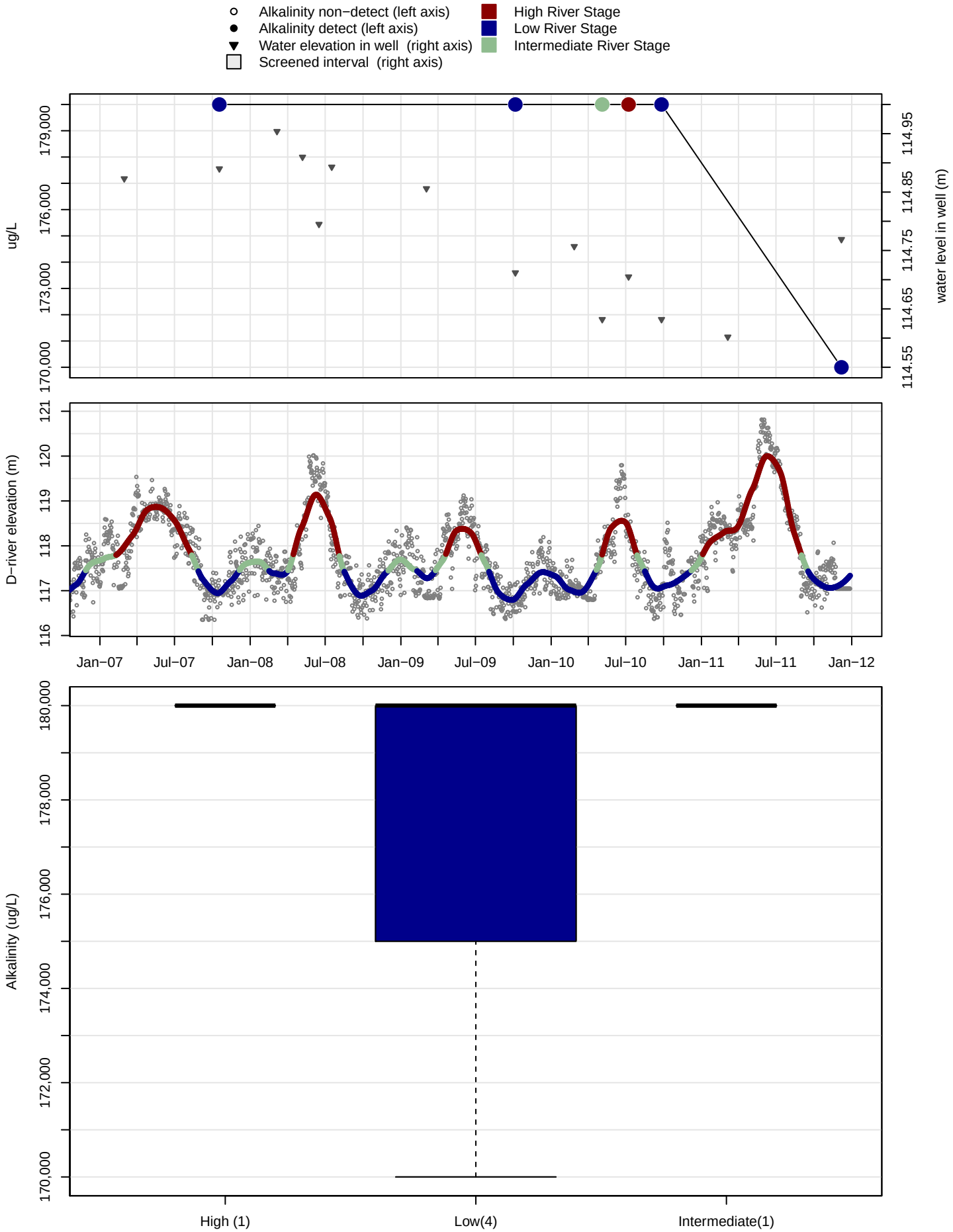
Mann Whitney p = NA t−test p = NA

199−F6−1 (51m) Lag (18 Days)



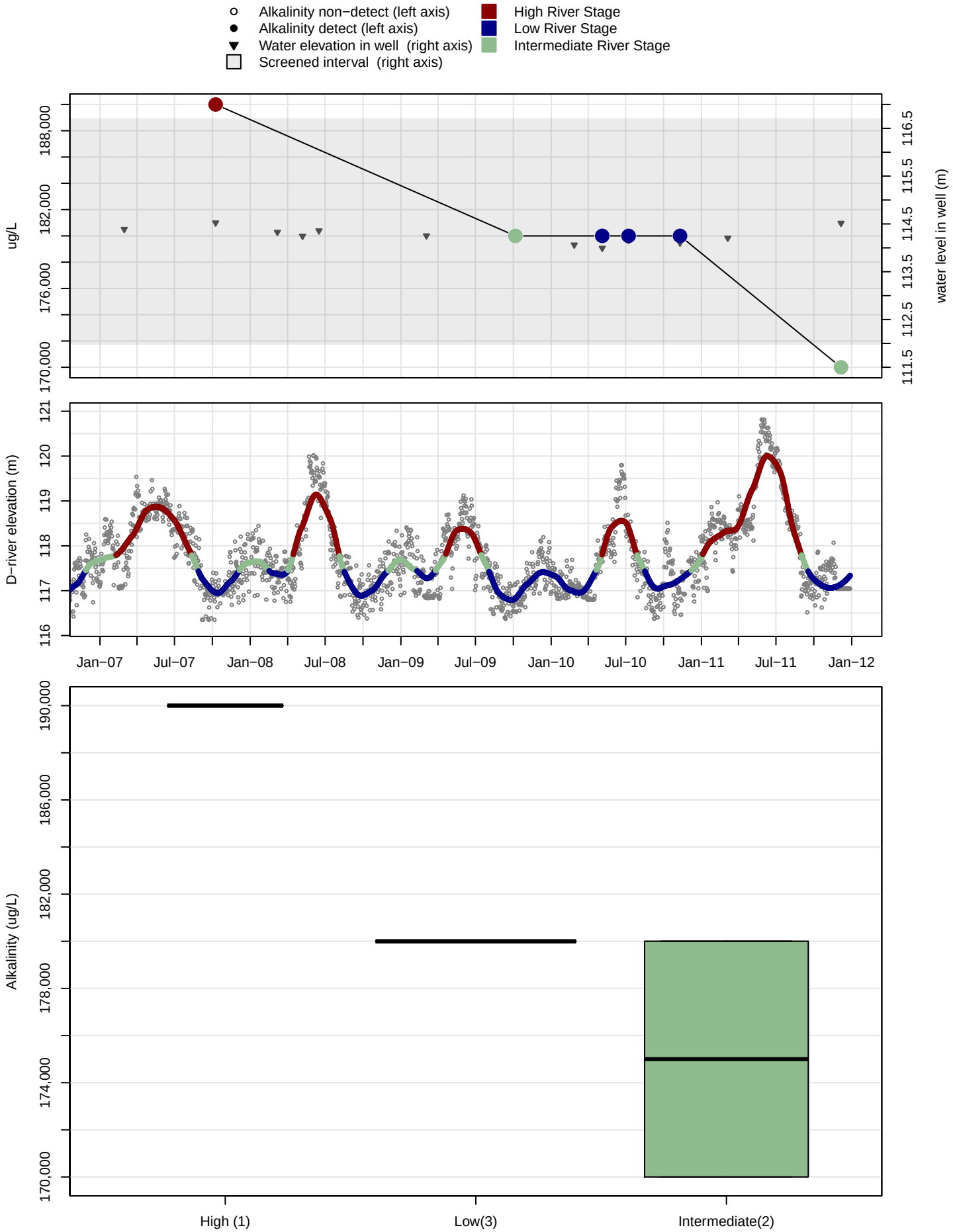
Mann Whitney p = NA t−test p = NA

199−F7−1 (1650m) Lag (64 Days)



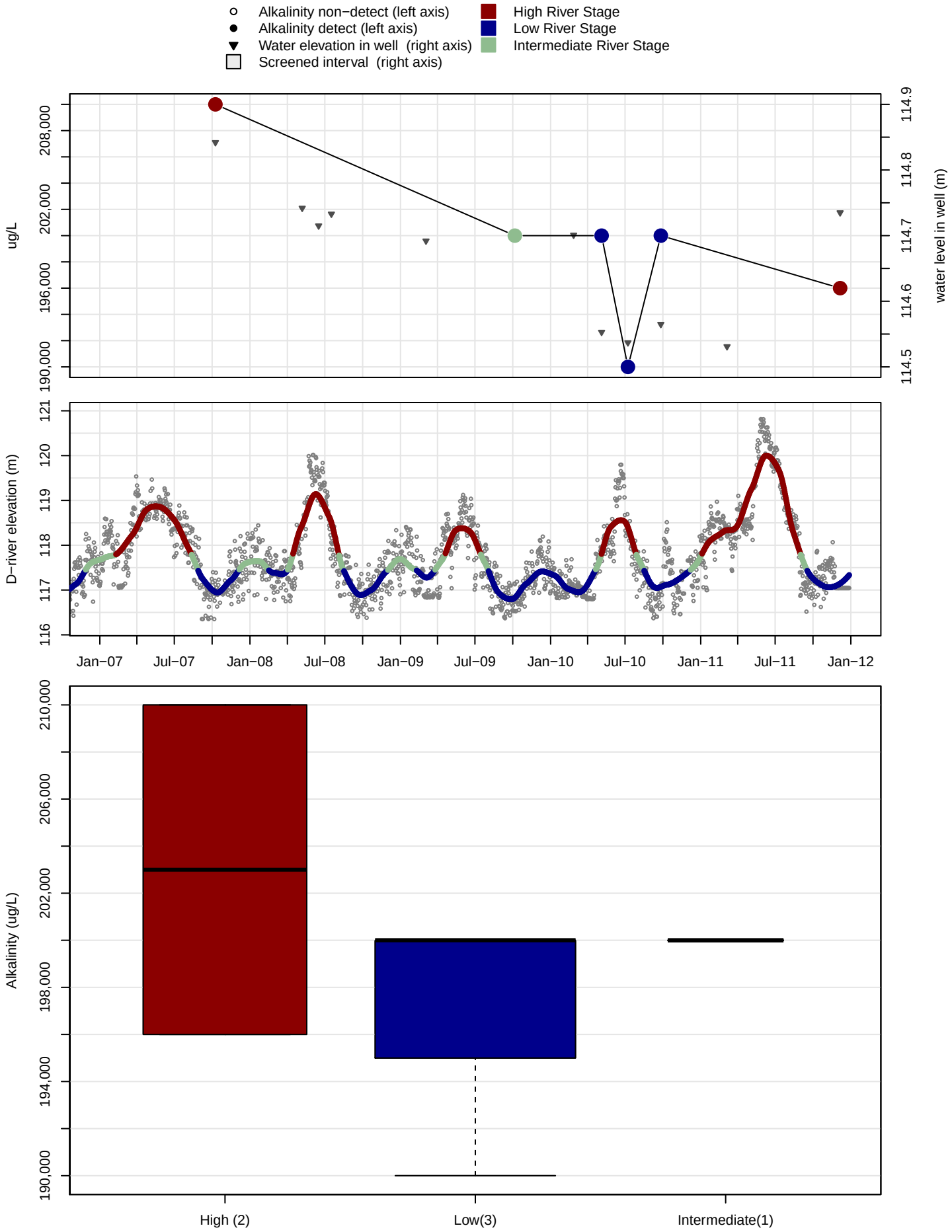
Mann Whitney p = NA t−test p = NA

199−F7−2 (829m) Lag (81 Days)



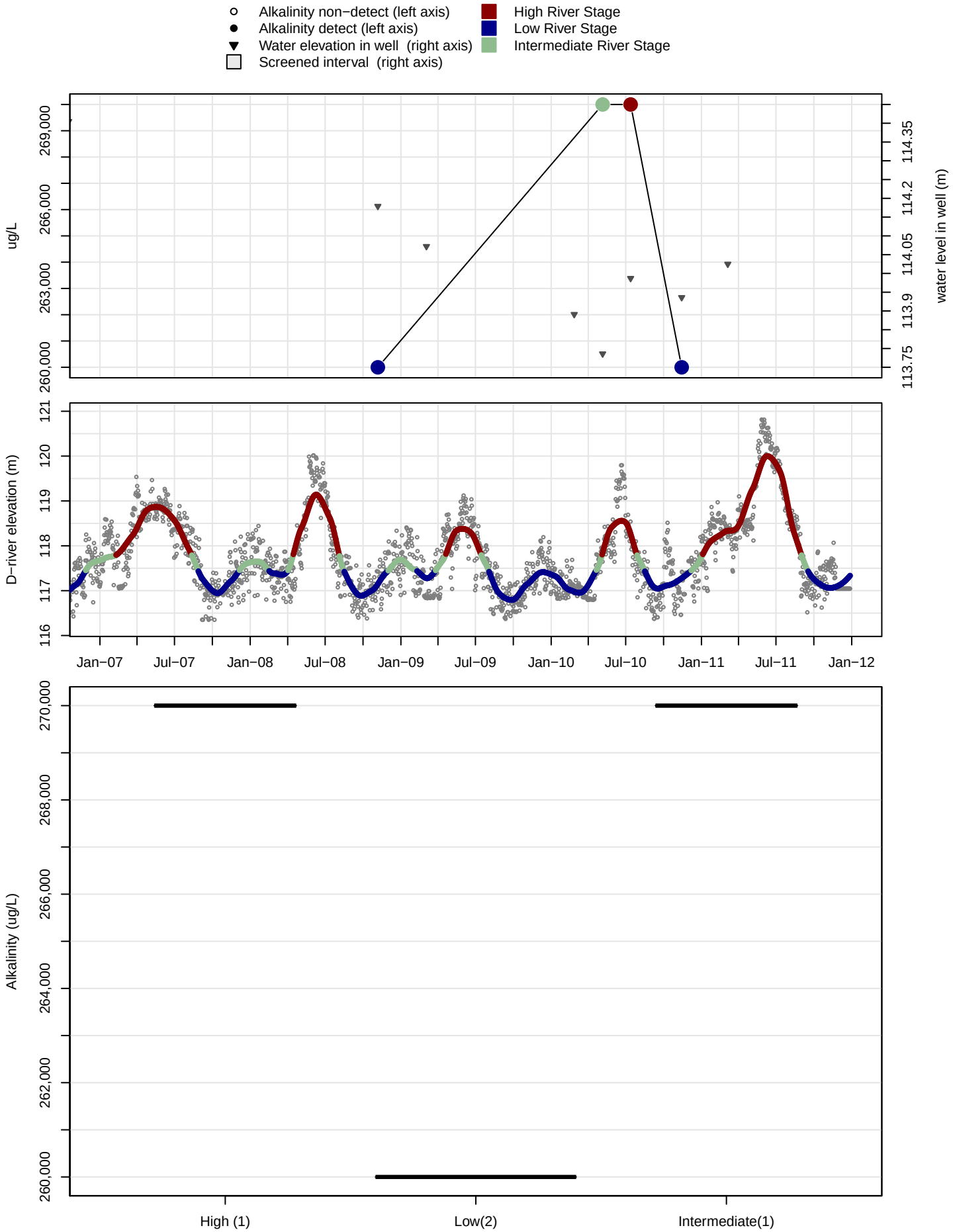
Mann Whitney p = NA t−test p = NA

199−F7−3 (1468m) Lag (171 Days)



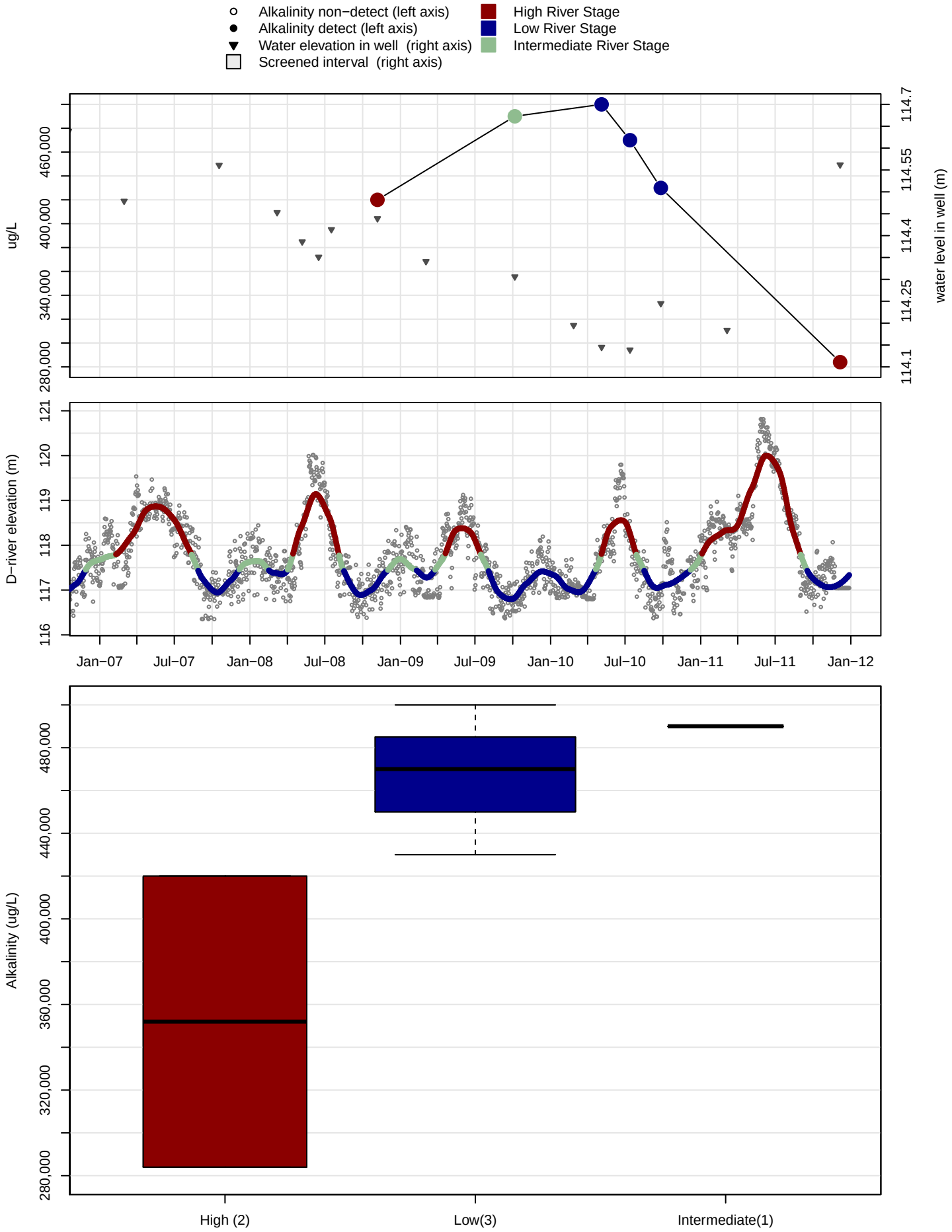
Mann Whitney p = NA t−test p = NA

199−F8−2 (899m) Lag (Indeterminate)



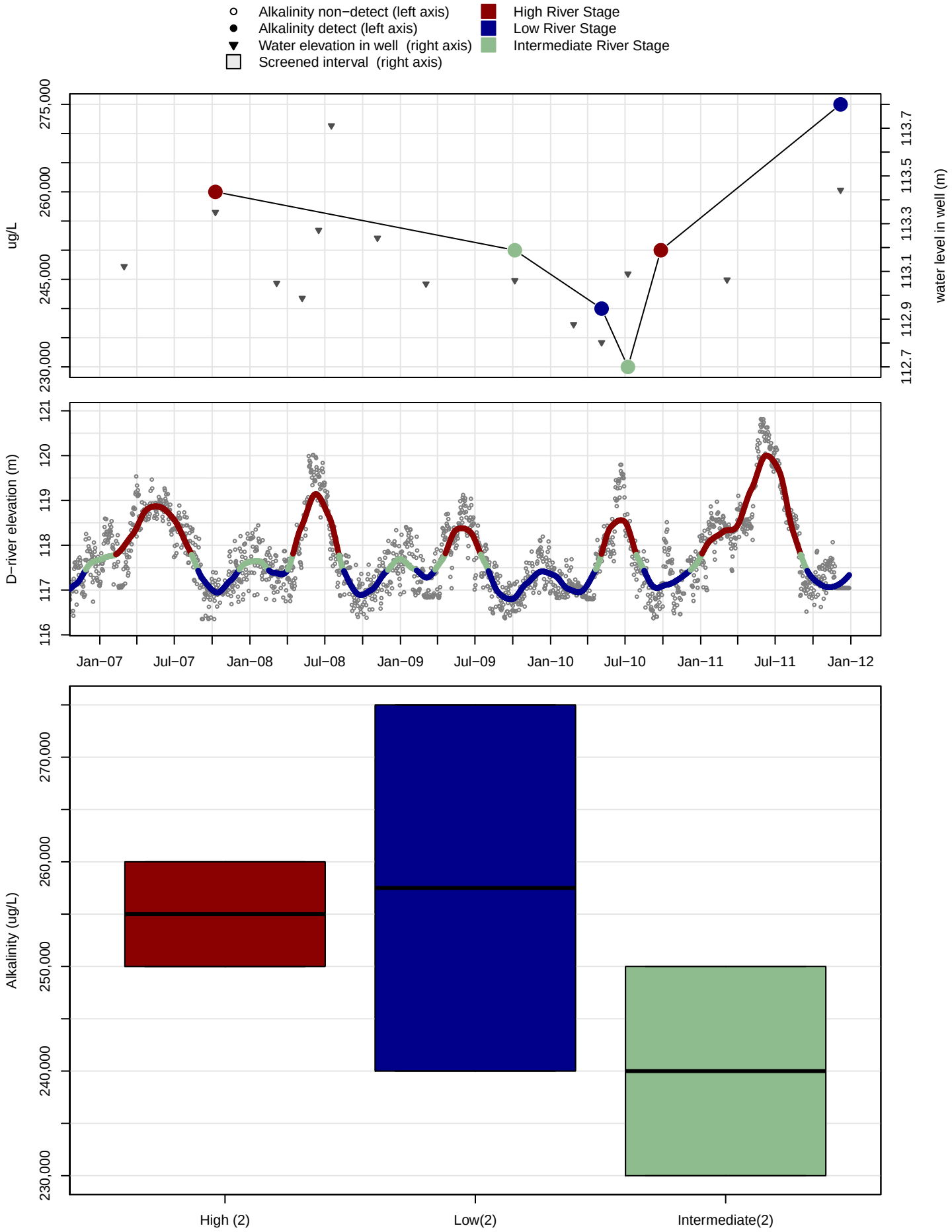
Mann Whitney p = NA t−test p = NA

199−F8−3 (1141m) Lag (179 Days)



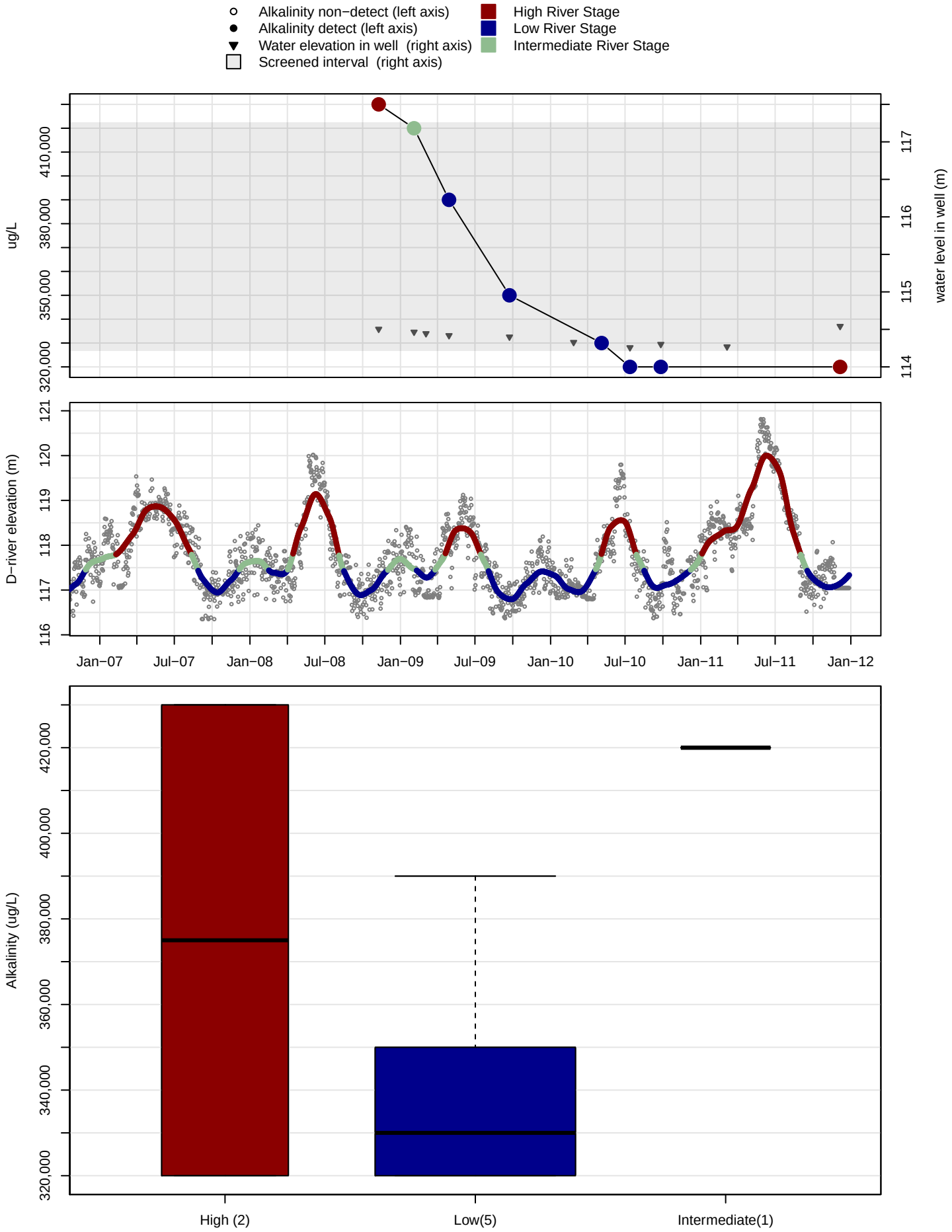
Mann Whitney p = NA t−test p = NA

199−F8−4 (610m) Lag (72 Days)



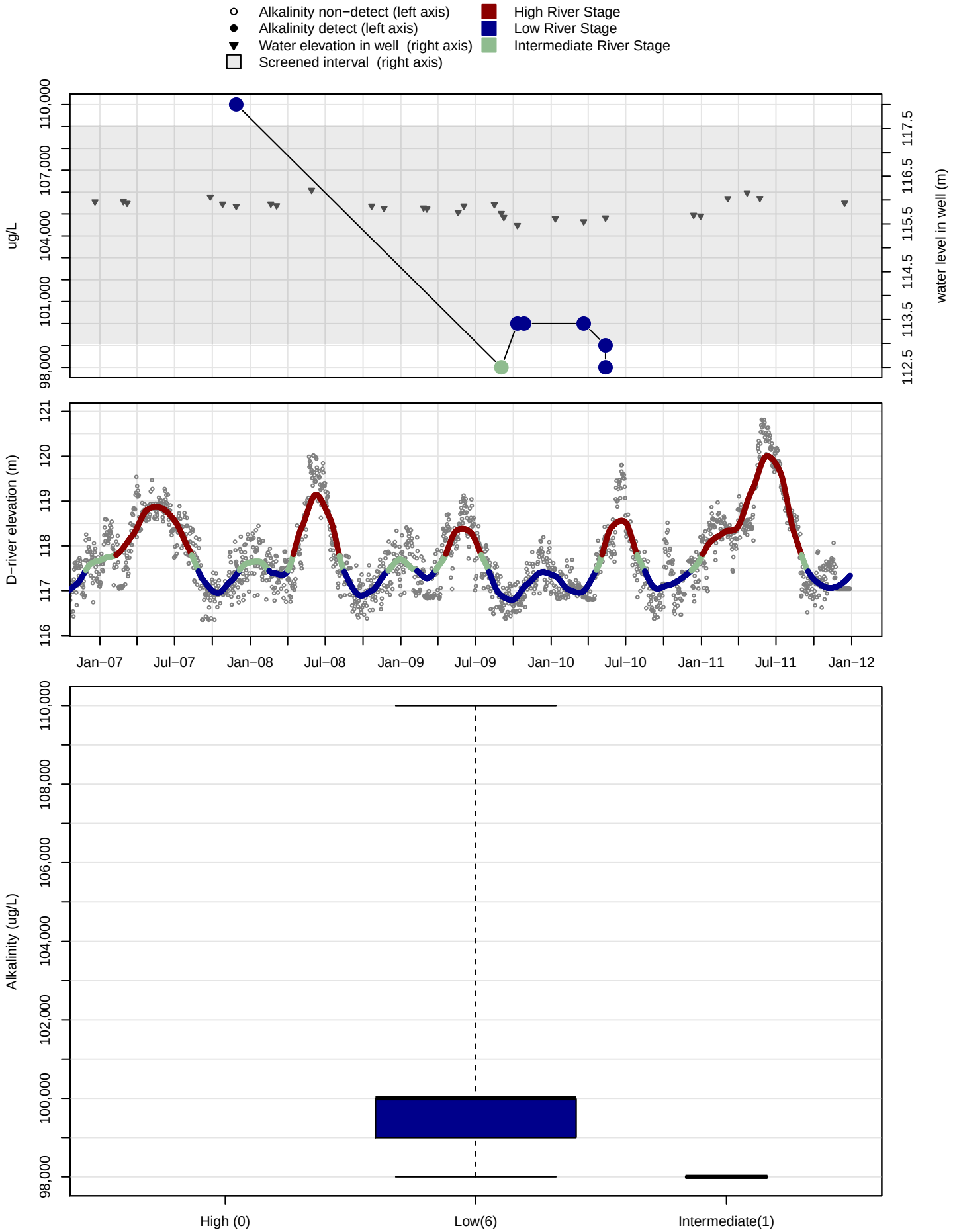
Mann Whitney p = NA t−test p = NA

199−F8−7 (1258m) Lag (180 Days)



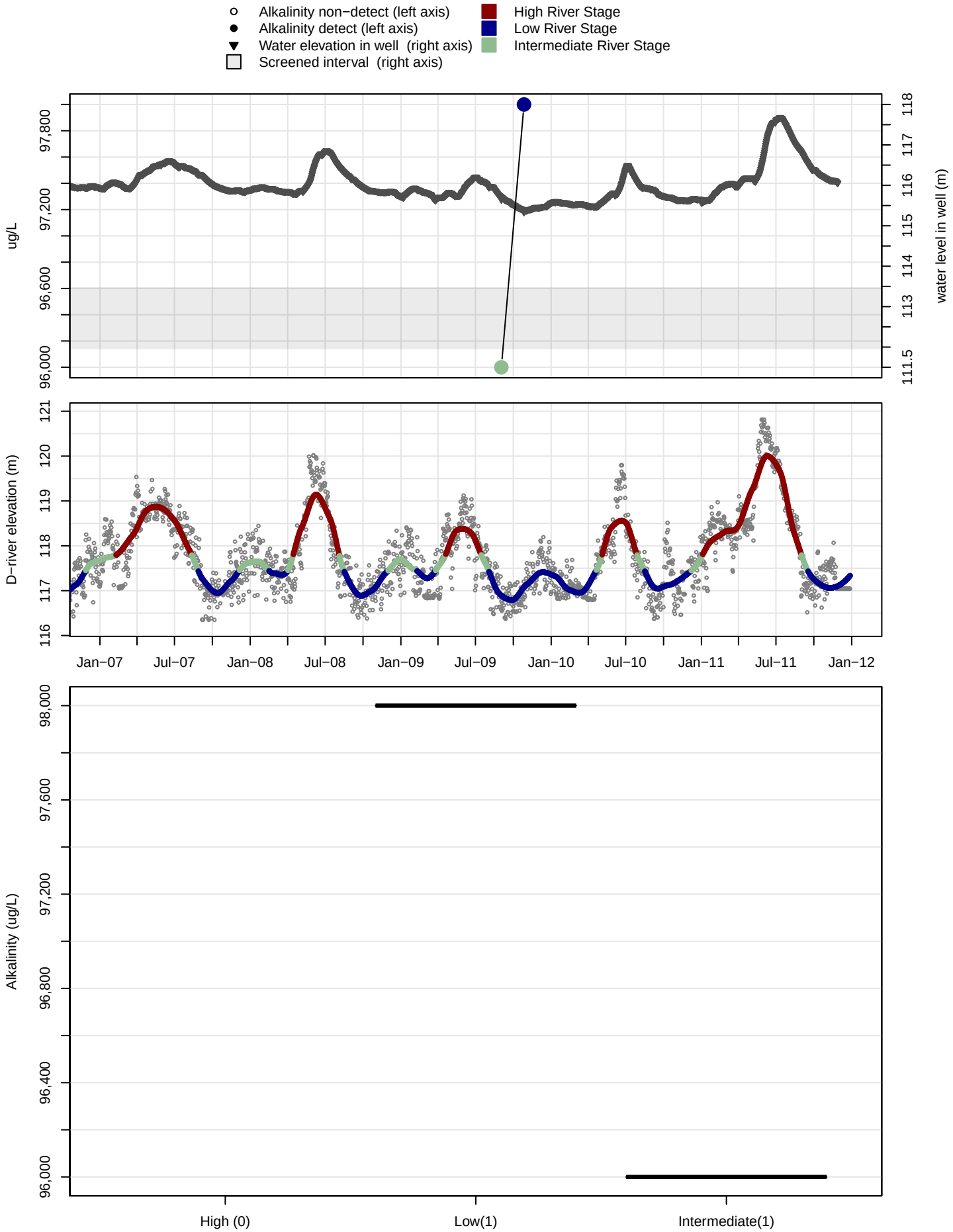
Mann Whitney p = NA t−test p = NA

199−H3−2A* (482m) Lag (40 Days)



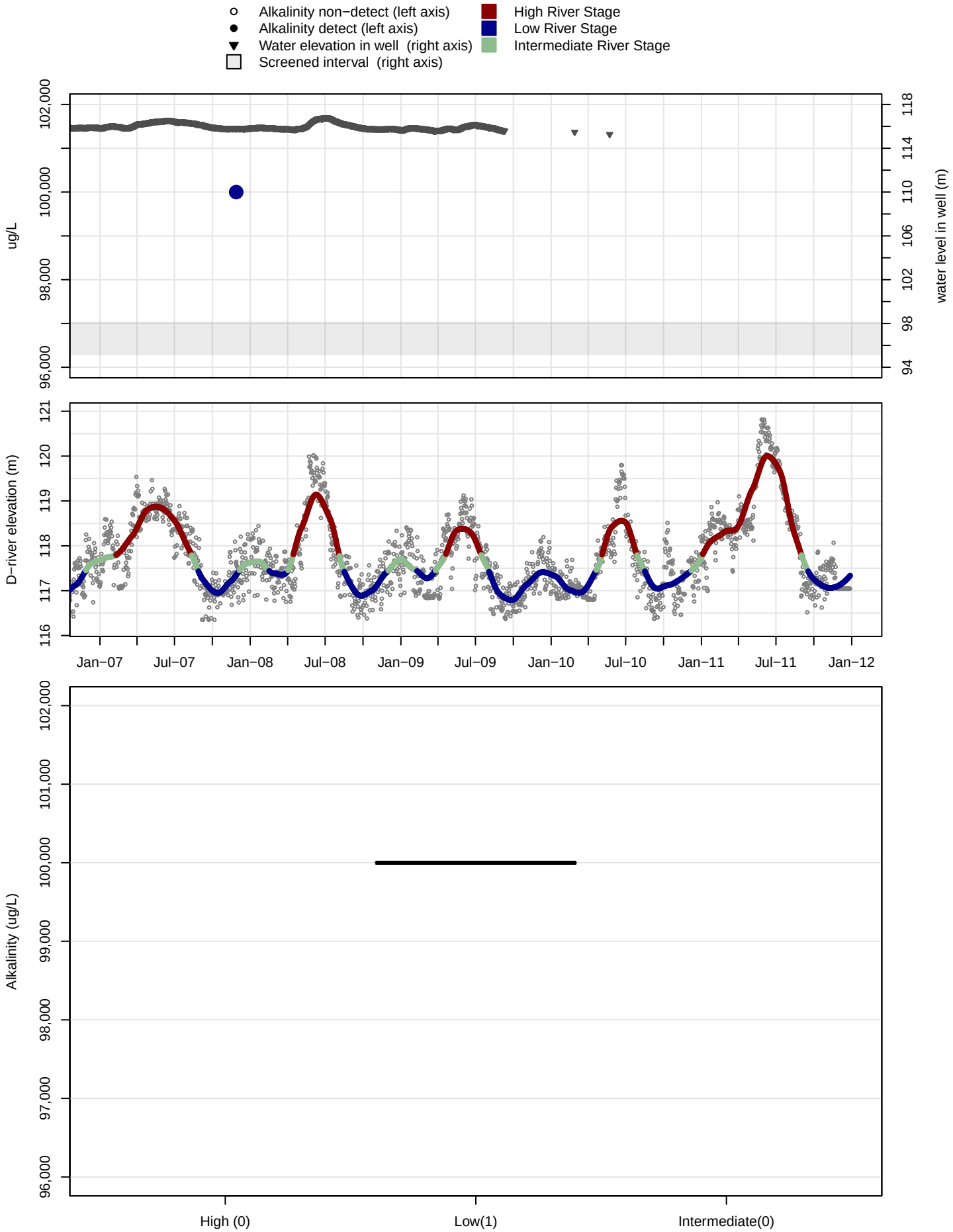
Mann Whitney p = NA t−test p = NA

199−H3−2B (474m) Lag (37 Days)



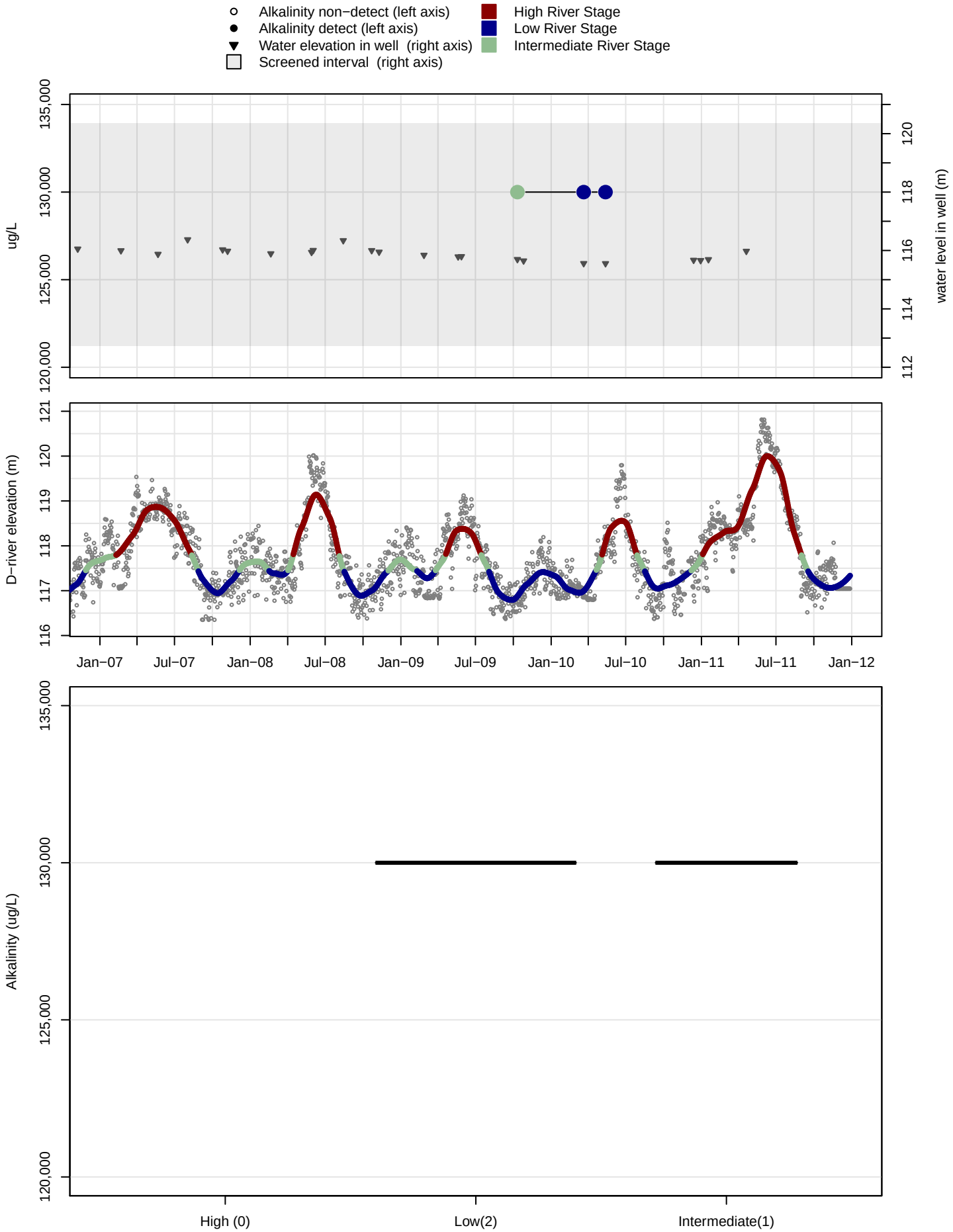
Mann Whitney p = NA t−test p = NA

199−H3−2C (476m) Lag (30 Days)



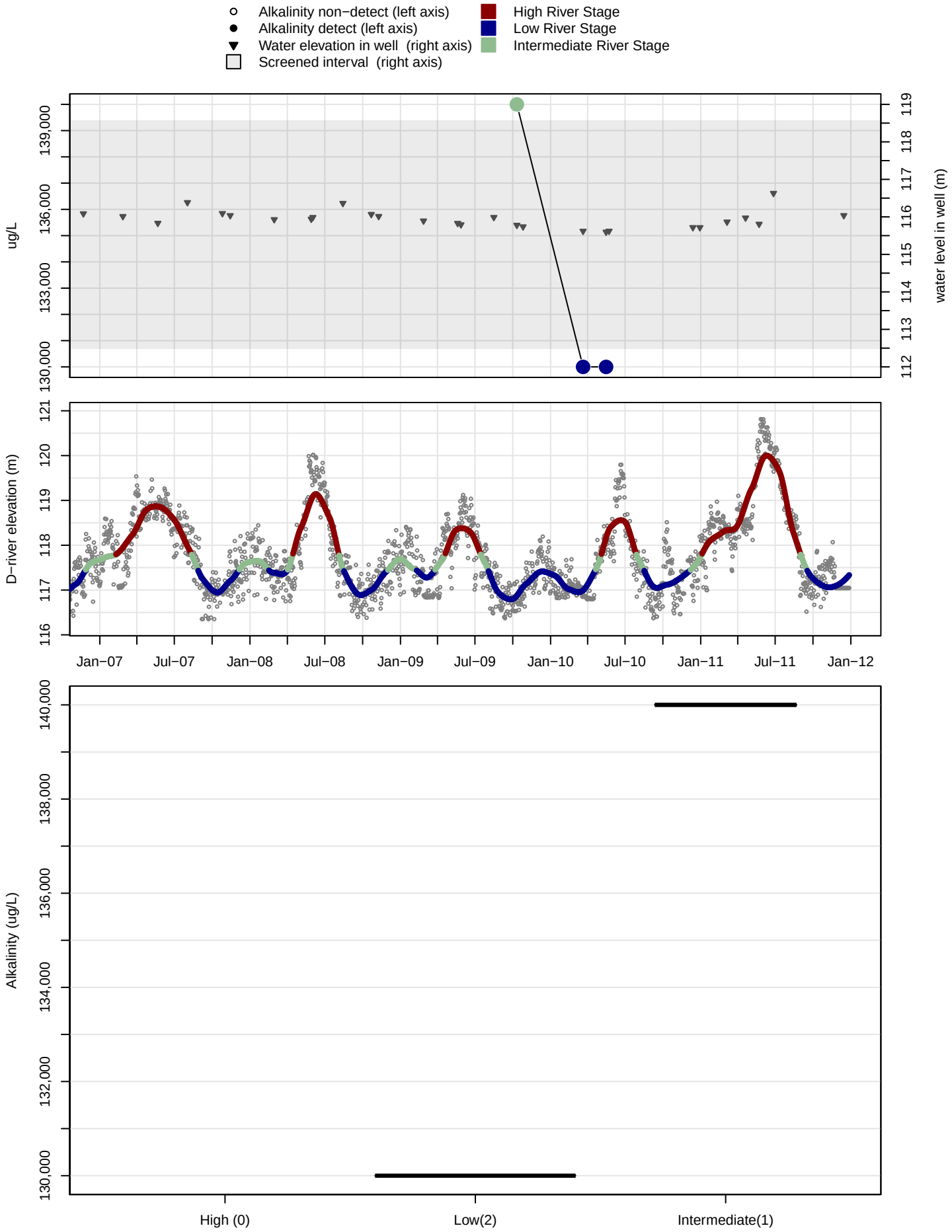
Mann Whitney p = NA t−test p = NA

199−H3−4* (792m) Lag (82 Days)



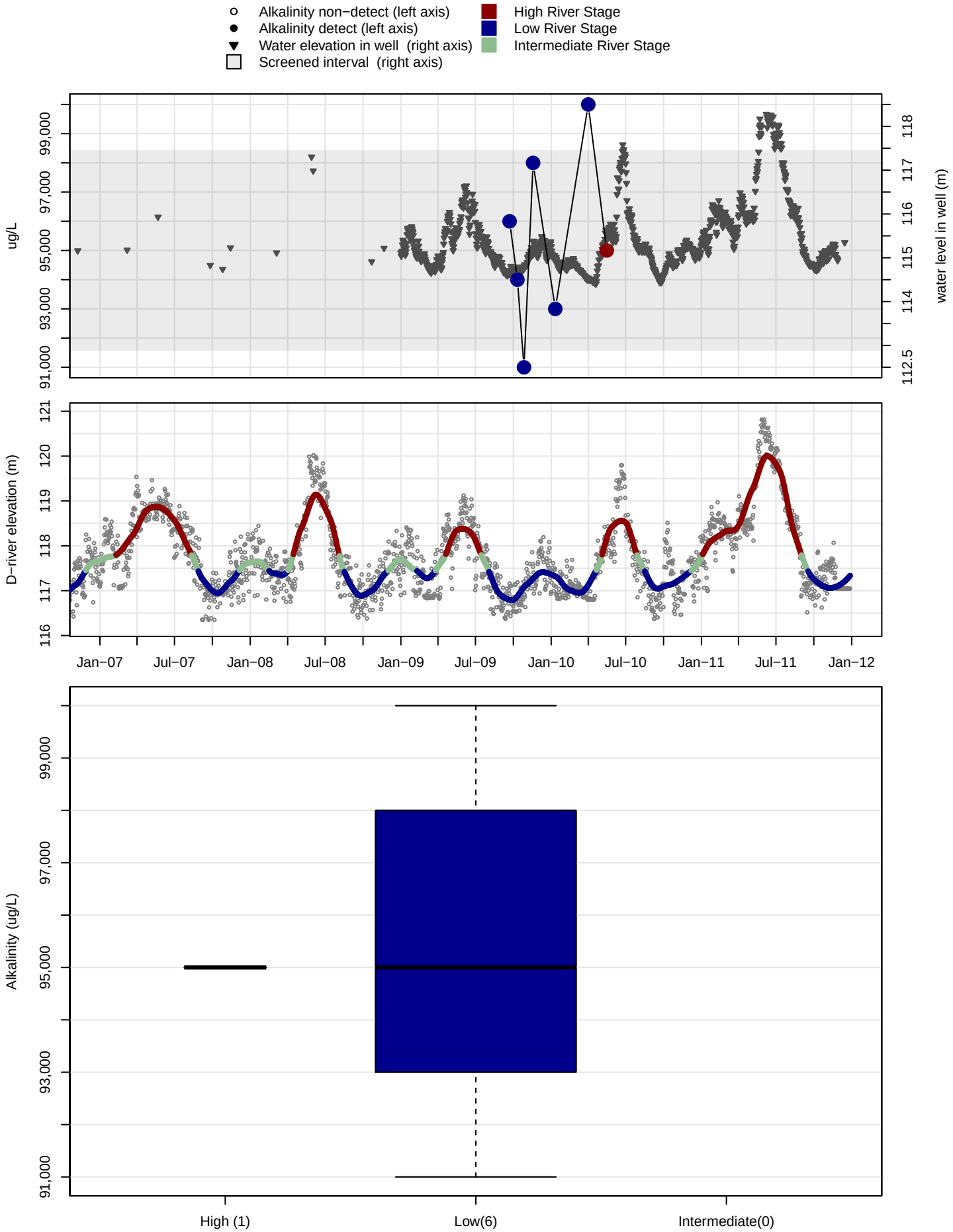
Mann Whitney p = NA t−test p = NA

199−H3−5 (874m) Lag (78 Days)



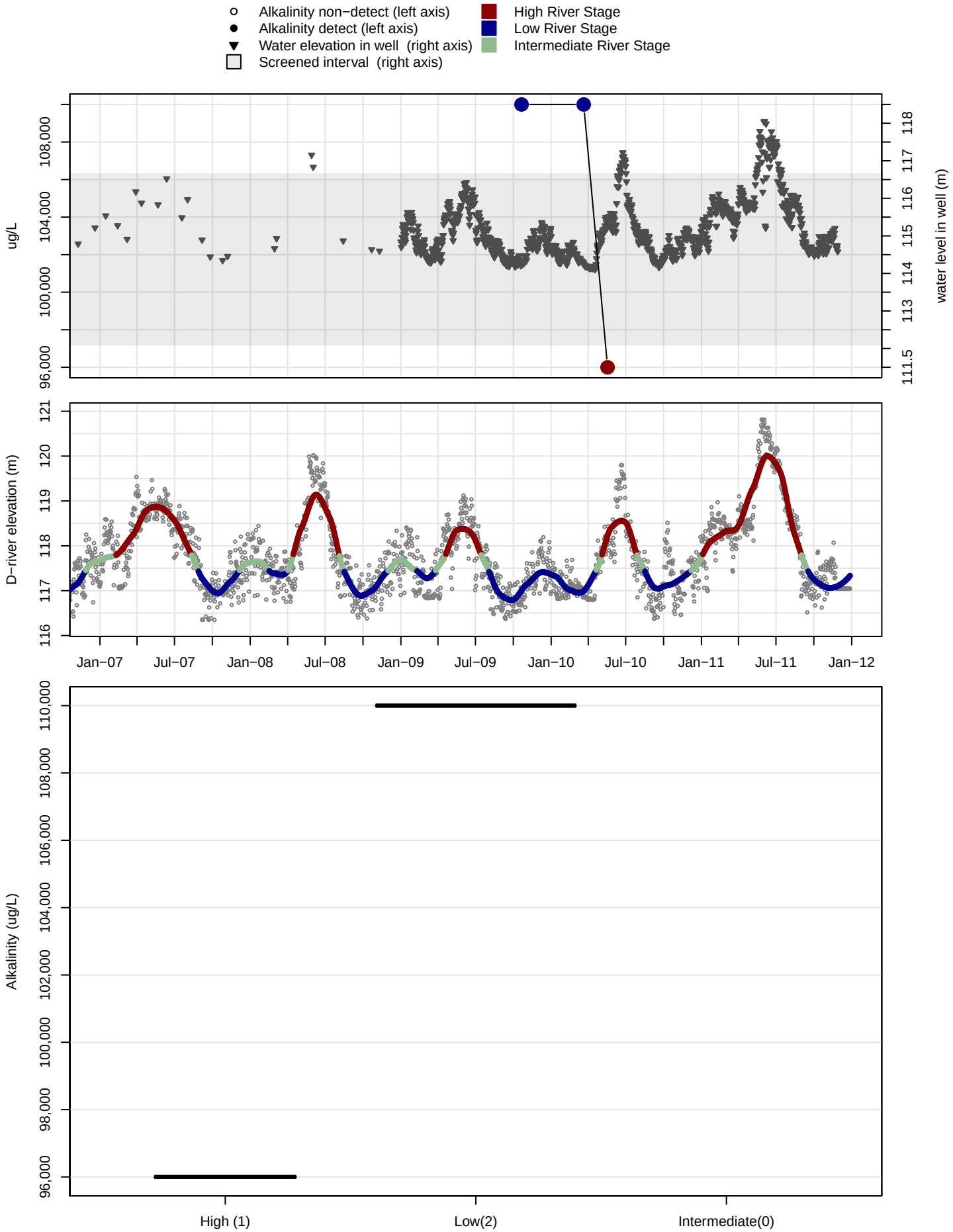
Mann Whitney p = NA t−test p = NA

199−H4−10 (57m) Lag (4 Days)



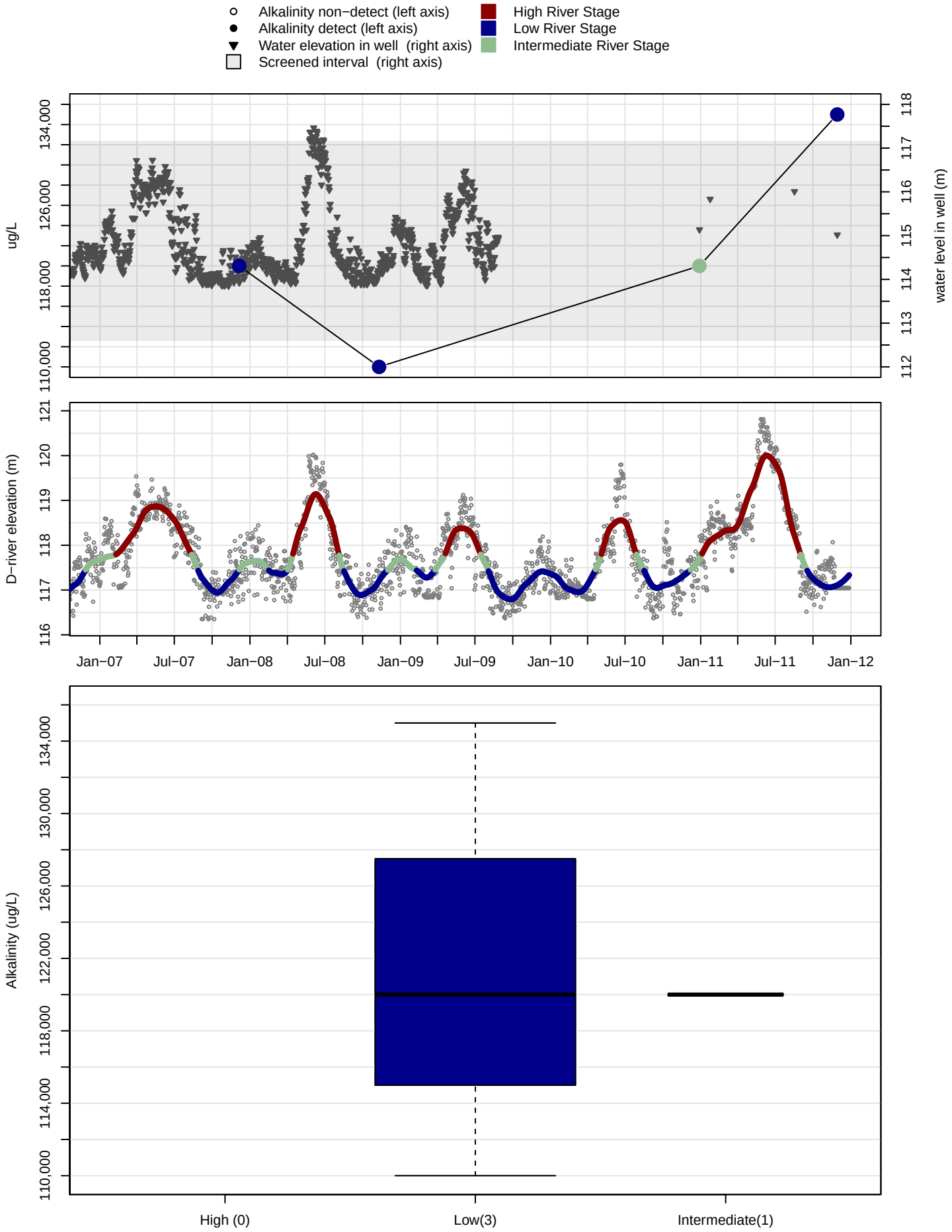
Mann Whitney p = NA t−test p = NA

199−H4−11 (57m) Lag (0 Days)



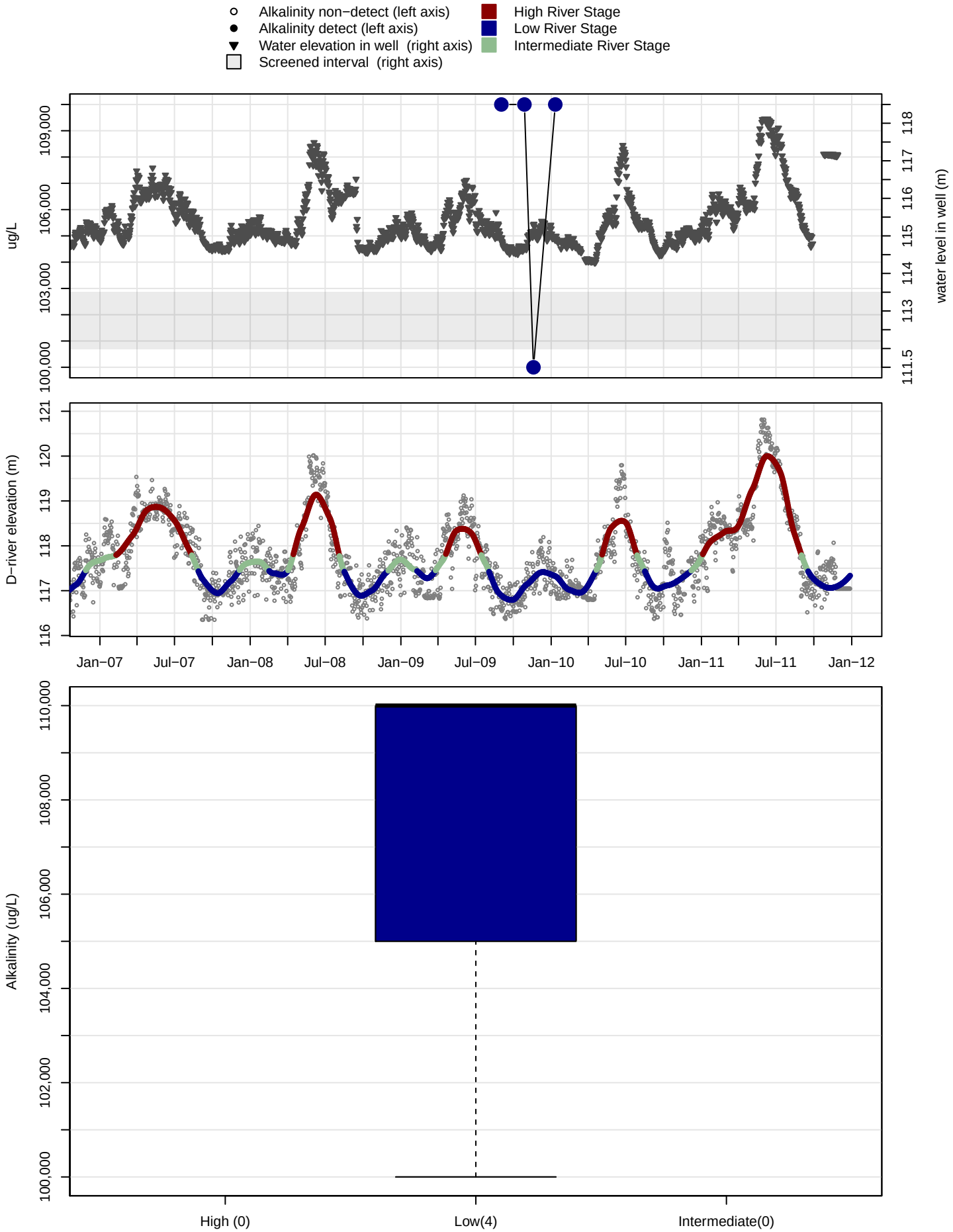
Mann Whitney p = NA t−test p = NA

199−H4−12A* (72m) Lag (0 Days)



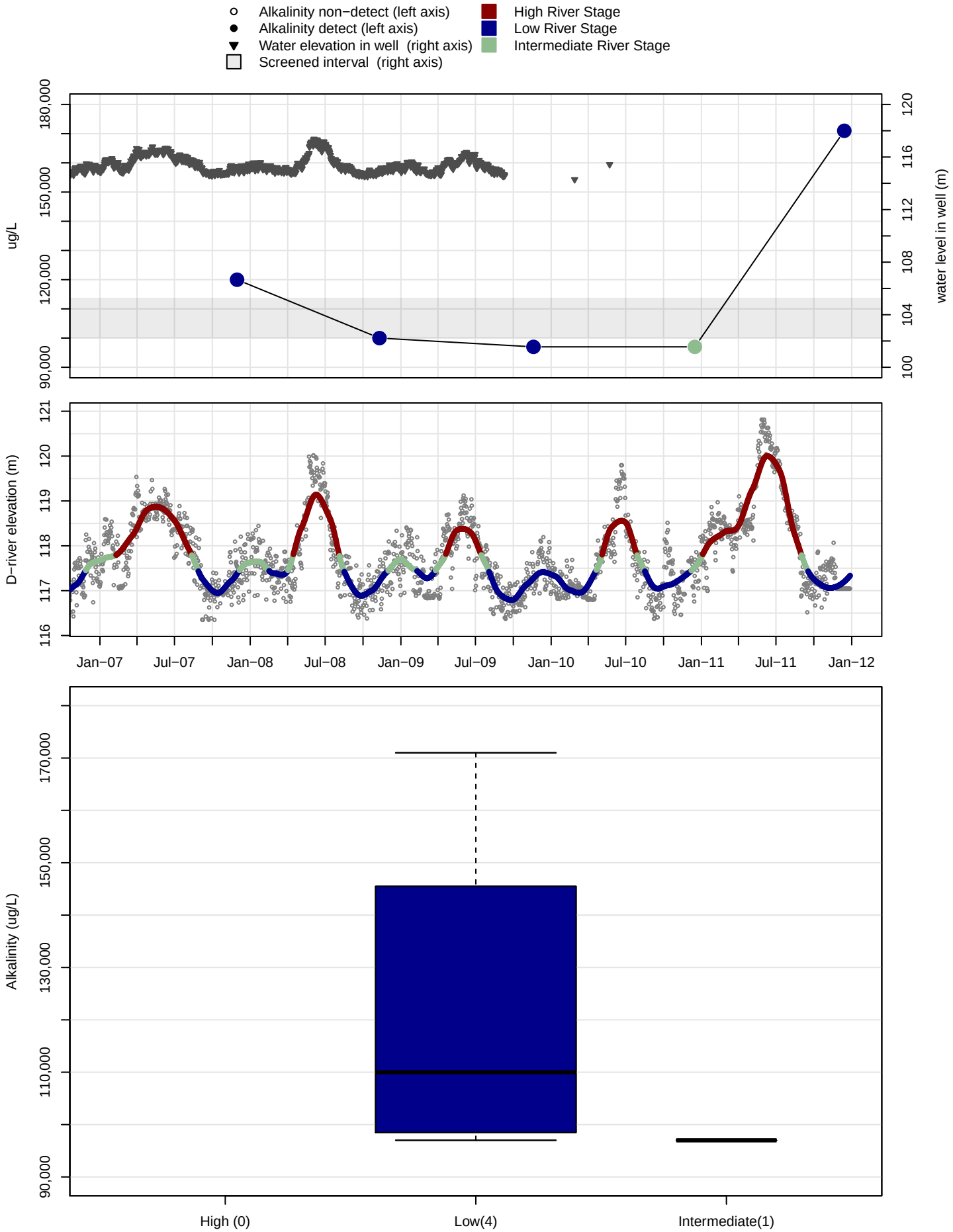
Mann Whitney p = NA t−test p = NA

199−H4−12B (72m) Lag (9 Days)



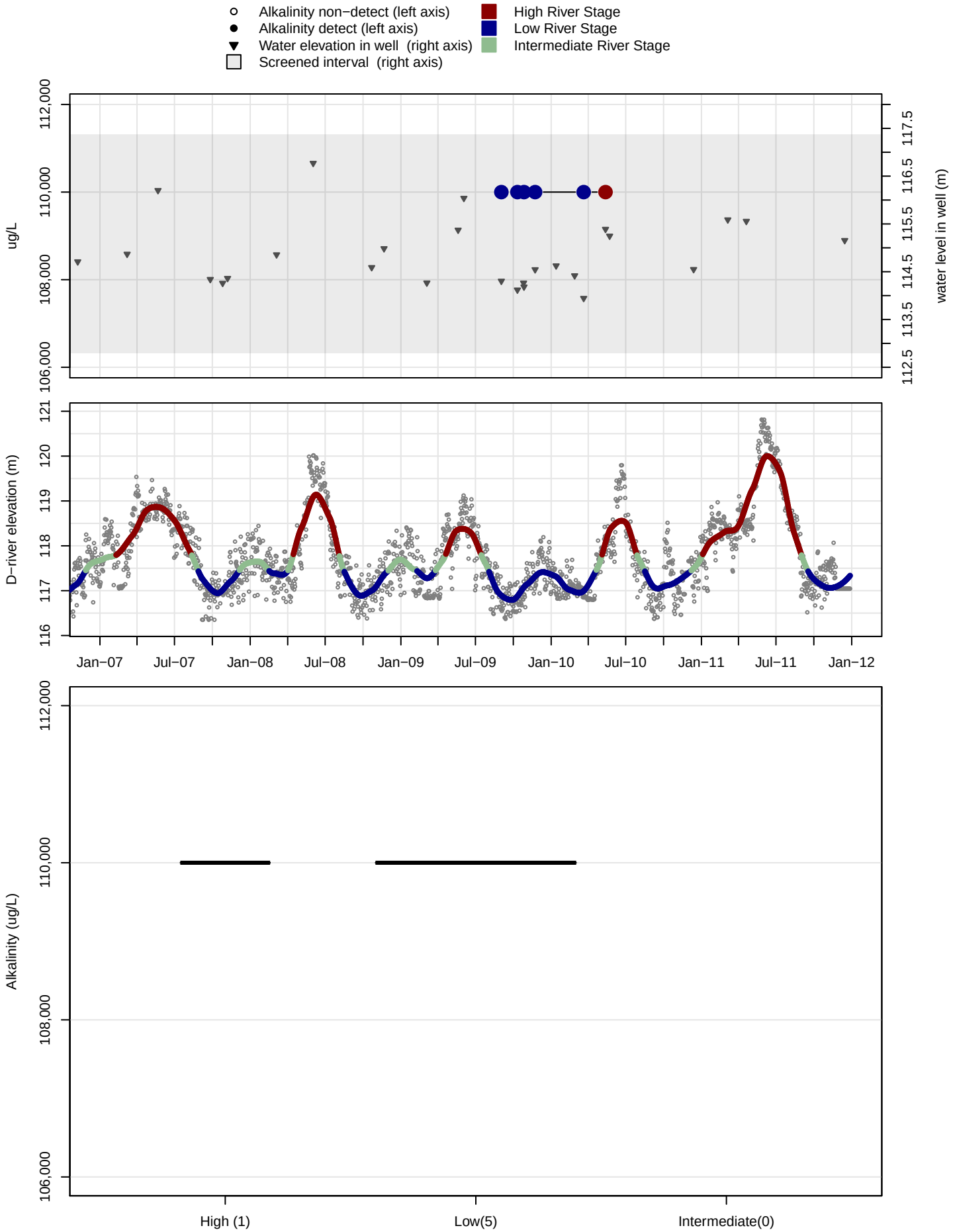
Mann Whitney p = NA t−test p = NA

199−H4−12C (65m) Lag (6 Days)



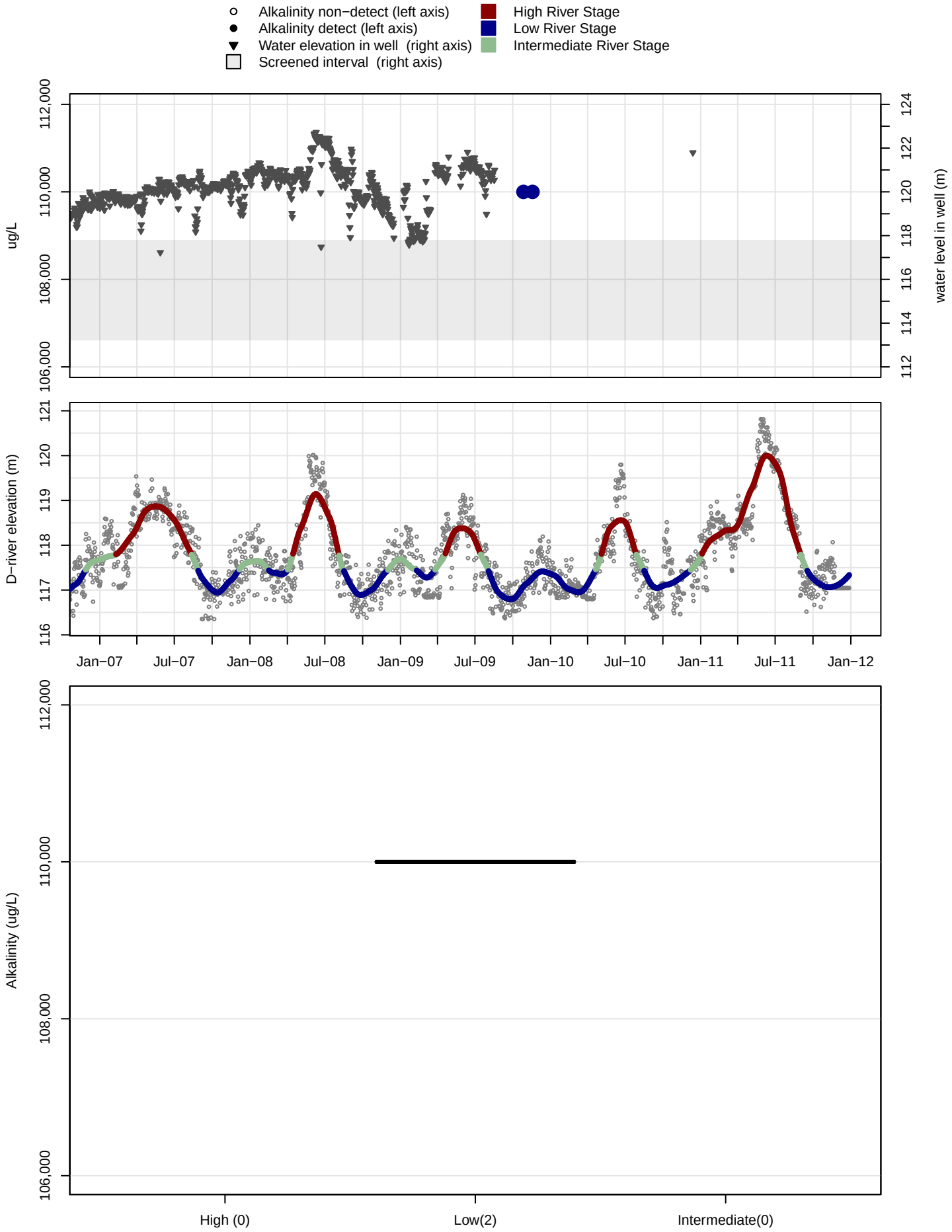
Mann Whitney p = NA t−test p = NA

199−H4−13 (55m) Lag (4 Days)



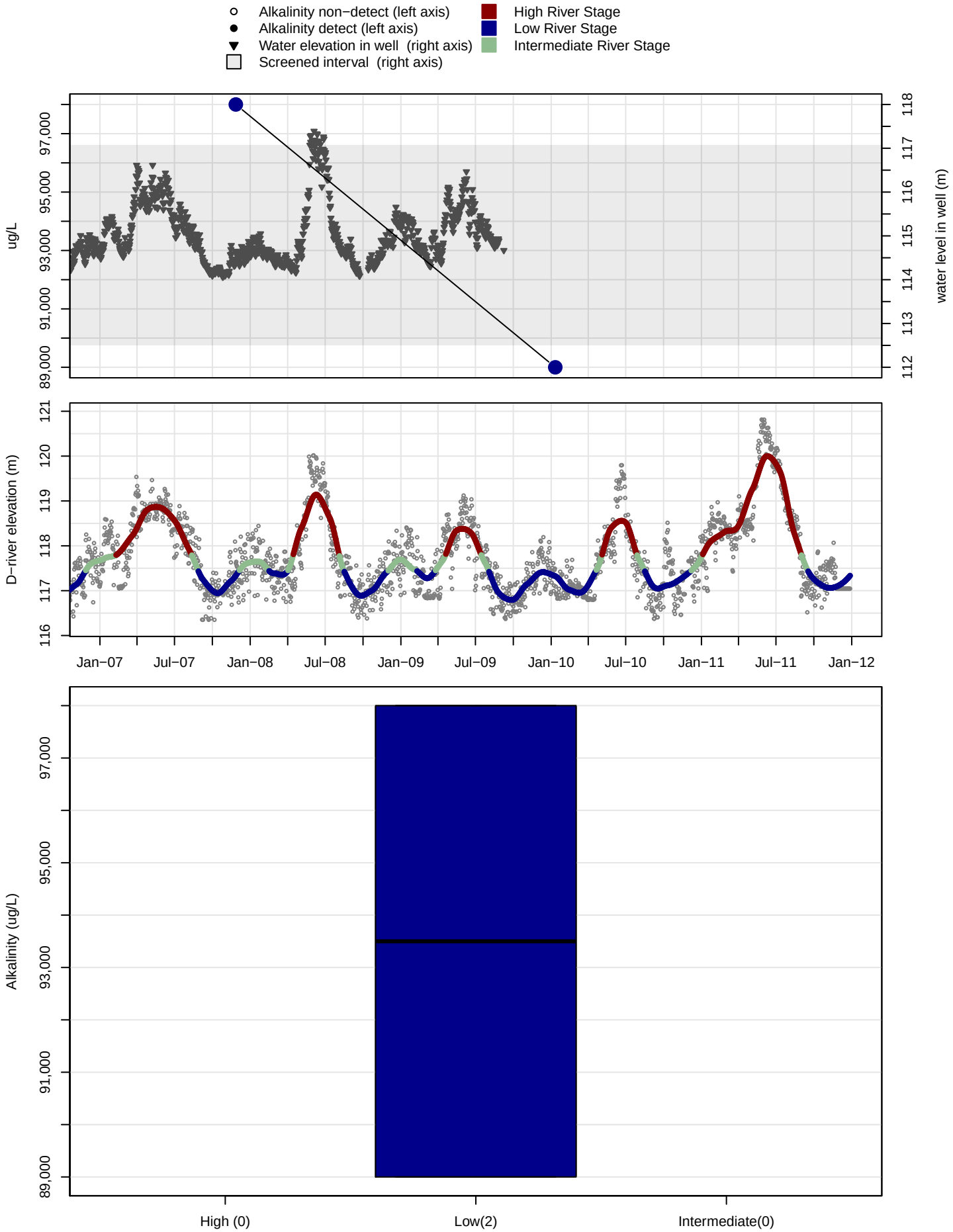
Mann Whitney p = NA t−test p = NA

199−H4−14* (332m) Lag (24 Days)



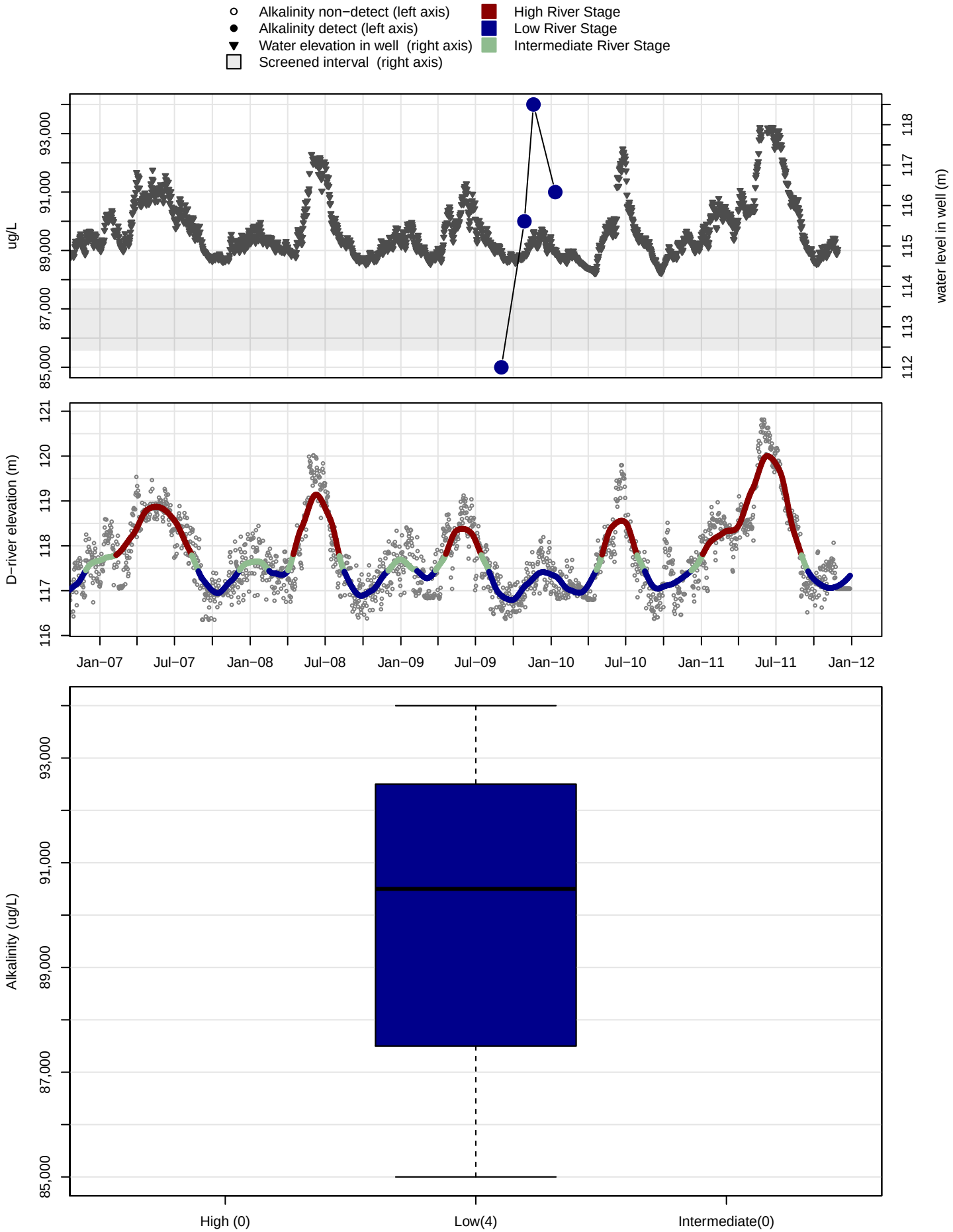
Mann Whitney p = NA t−test p = NA

199−H4−15A* (71m) Lag (4 Days)



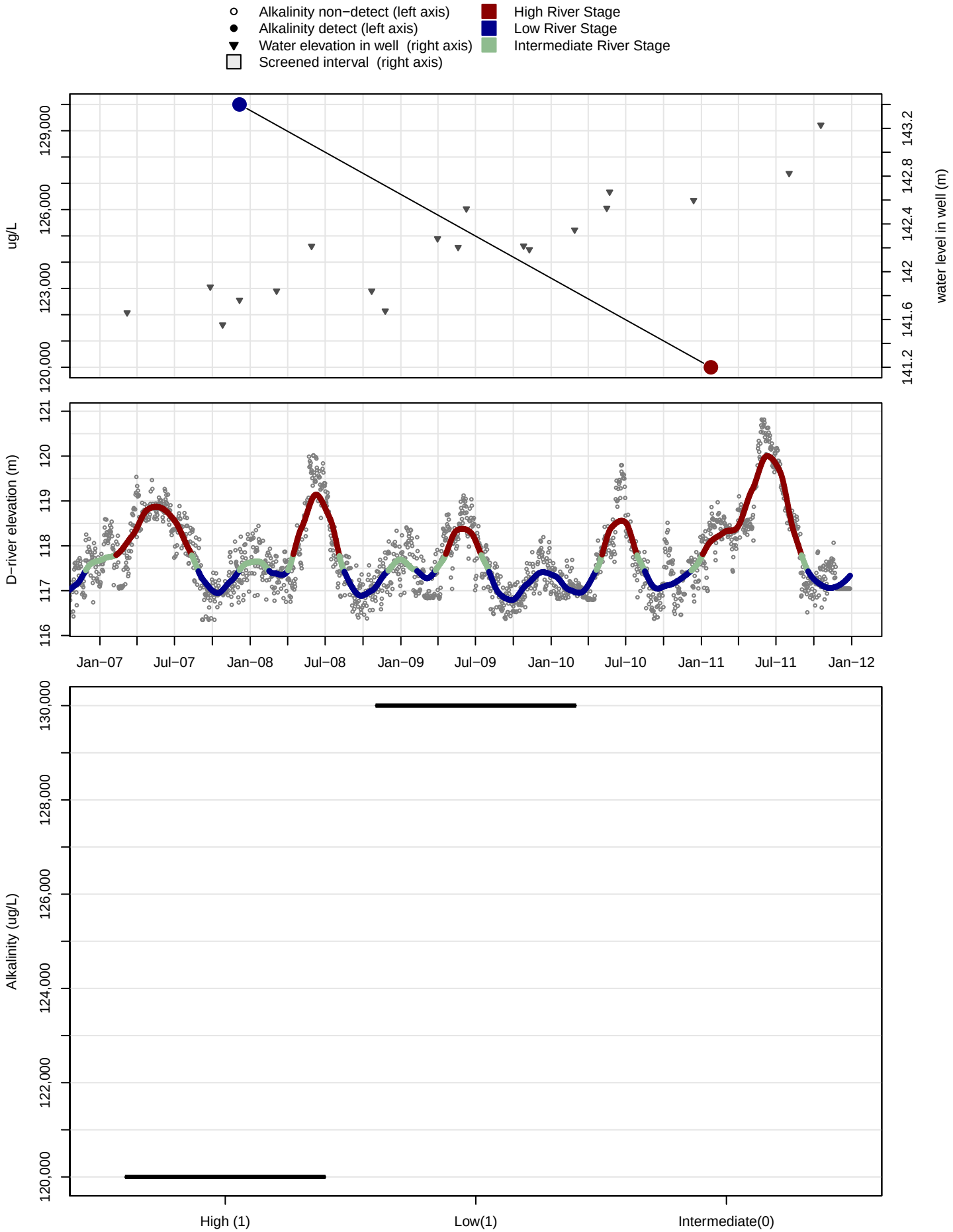
Mann Whitney p = NA t−test p = NA

199−H4−15B (71m) Lag (5 Days)



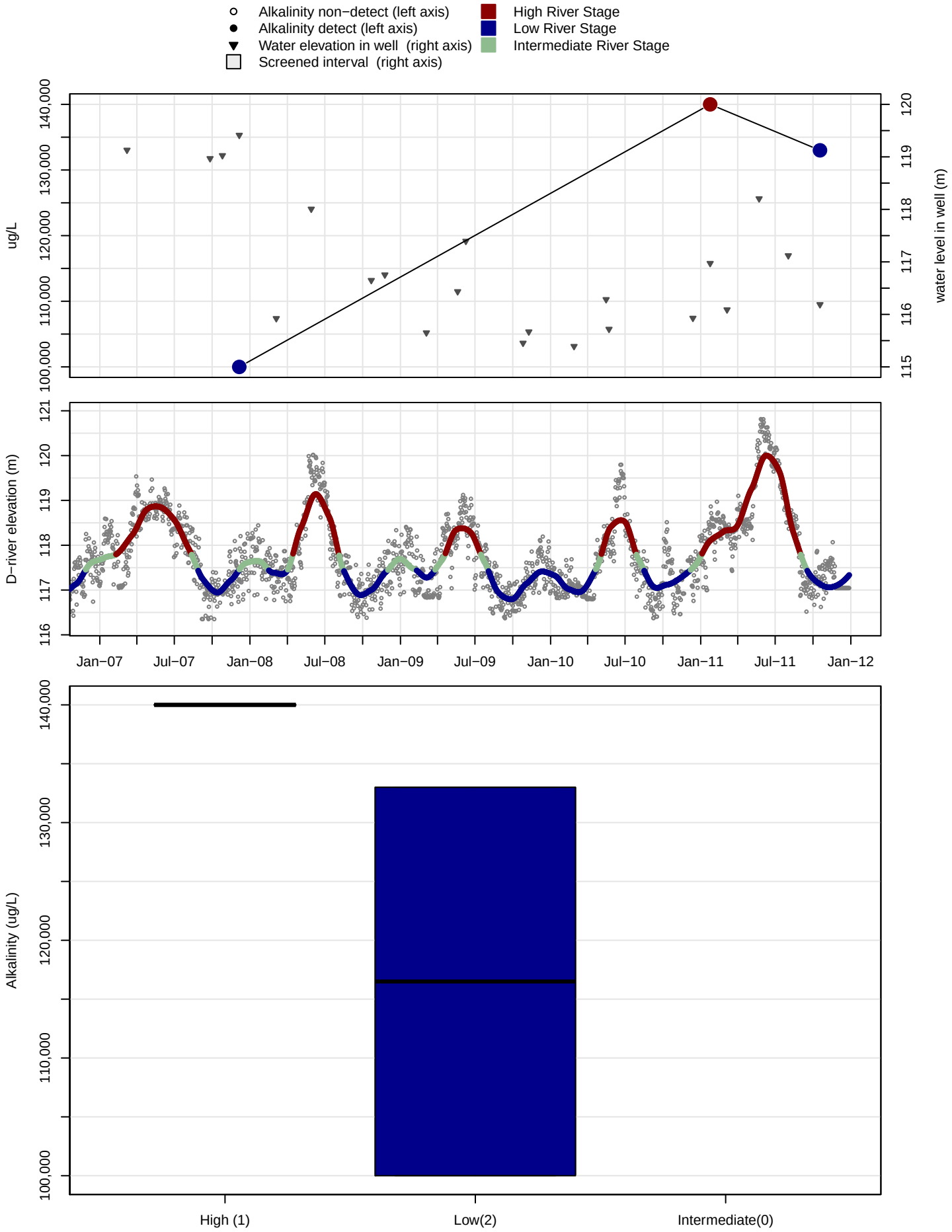
Mann Whitney p = NA t−test p = NA

199−H4−15CP (64m) Lag (13 Days)



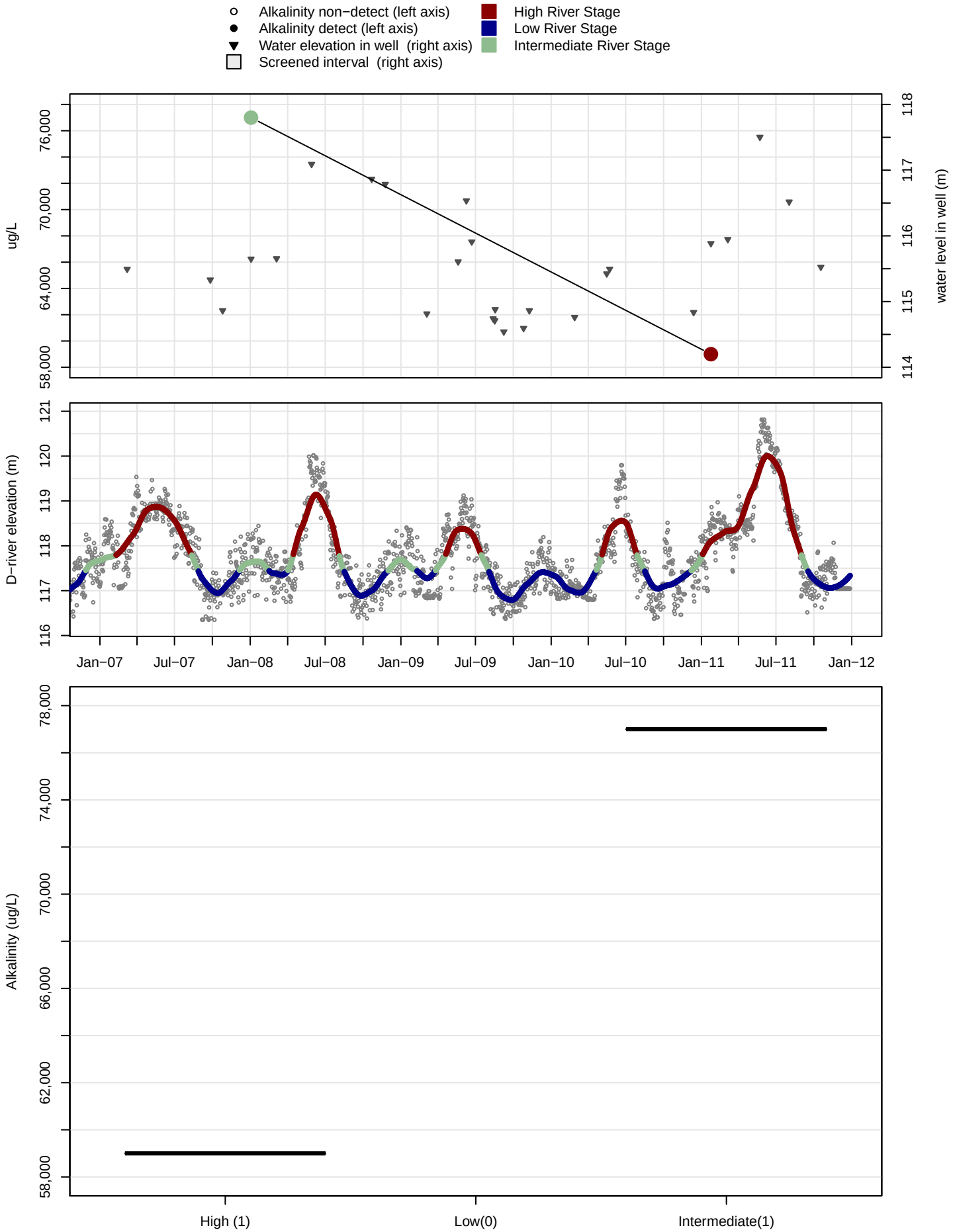
Mann Whitney p = NA t−test p = NA

199−H4−15CQ (64m) Lag (79 Days)



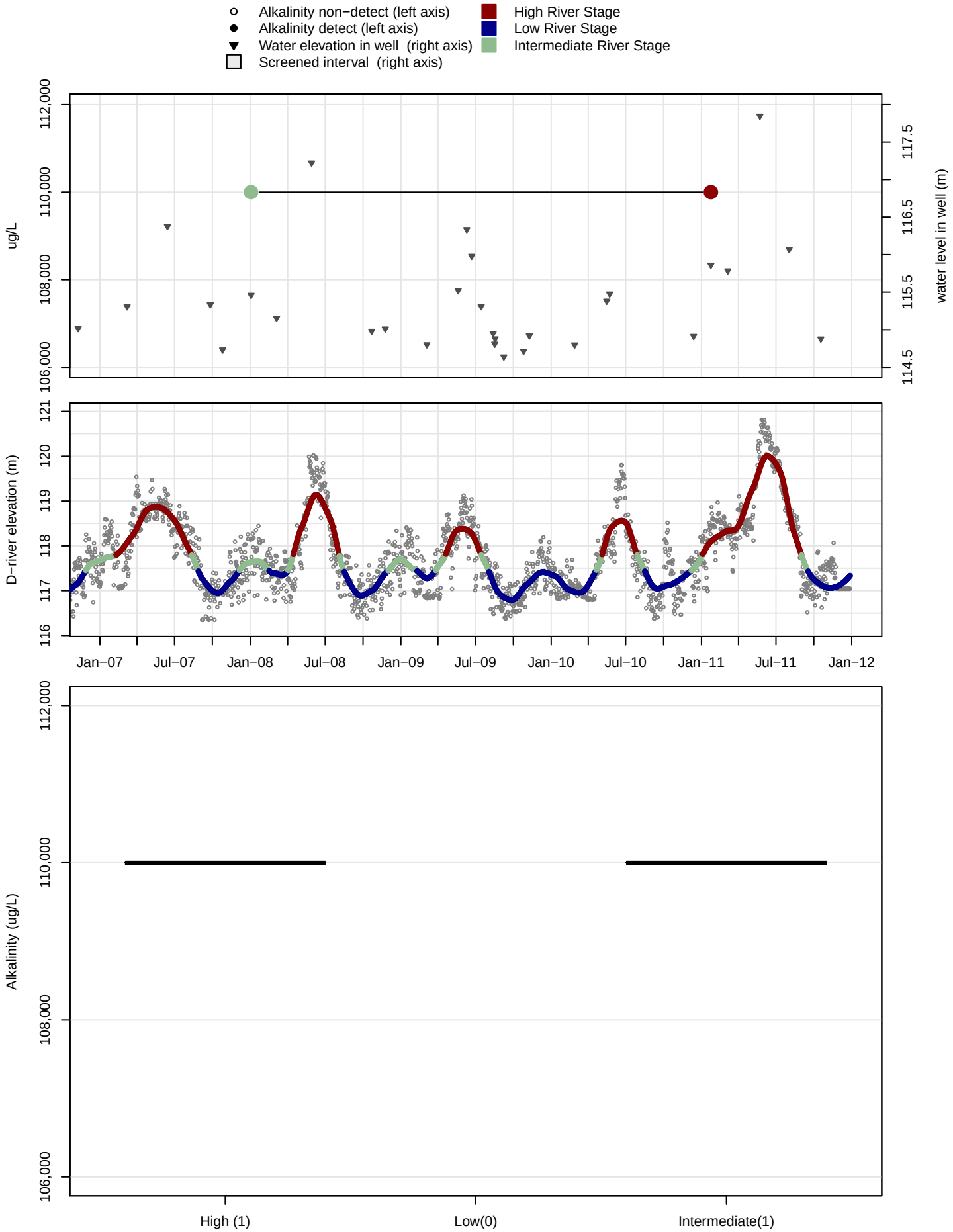
Mann Whitney p = NA t−test p = NA

199−H4−15CR (64m) Lag (0 Days)



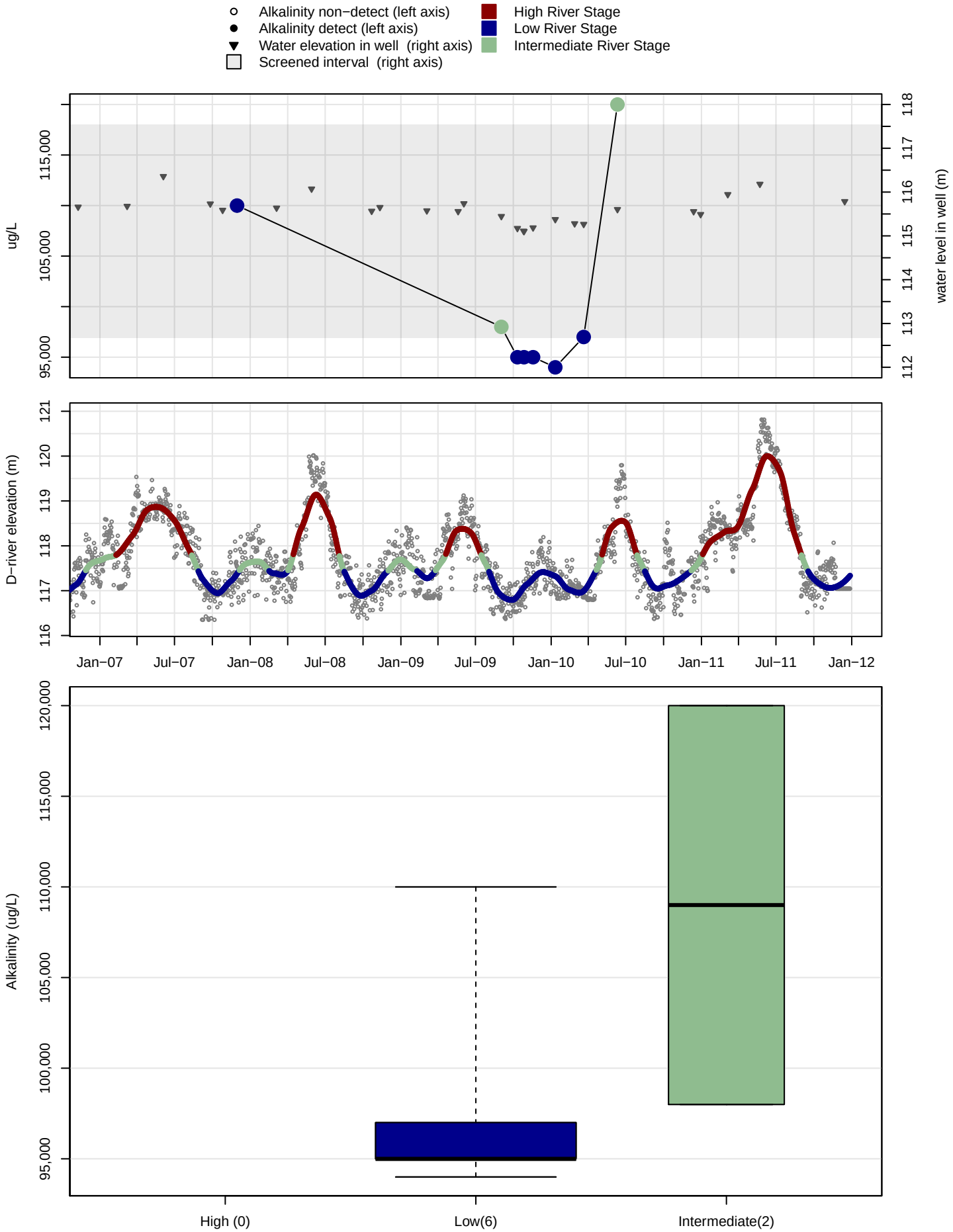
Mann Whitney p = NA t−test p = NA

199−H4−15CS (64m) Lag (0 Days)



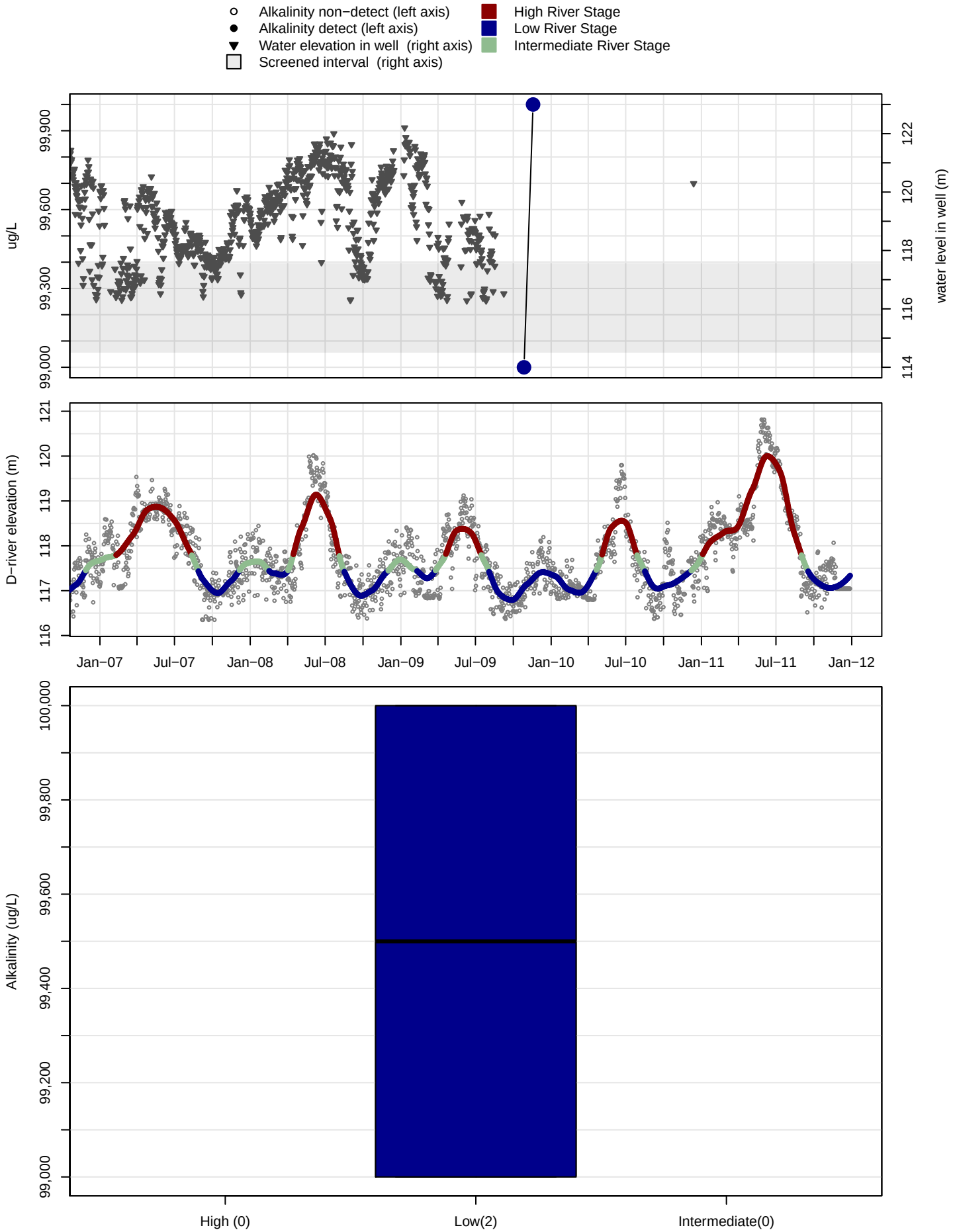
Mann Whitney p = NA t−test p = NA

199−H4−16 (266m) Lag (40 Days)



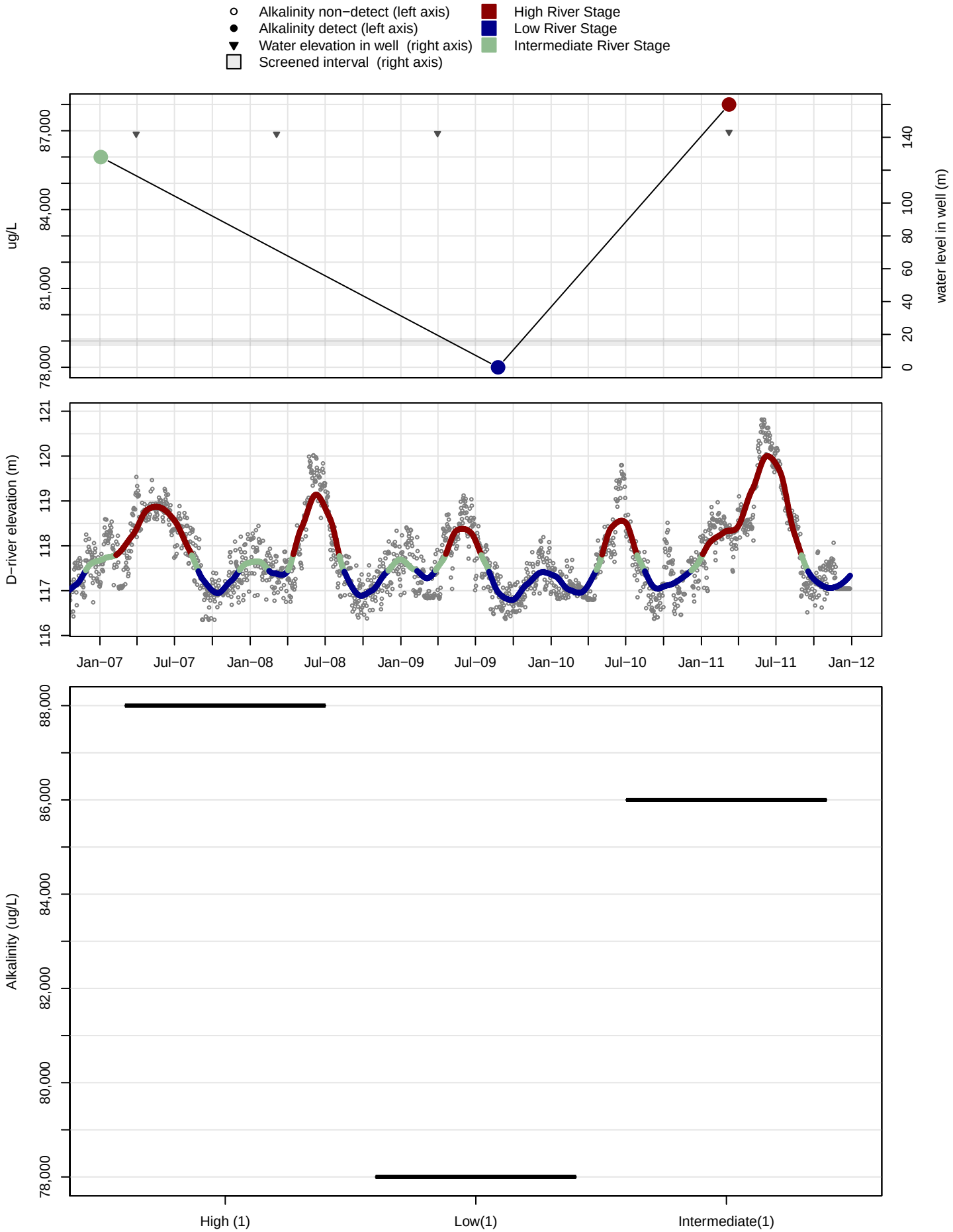
Mann Whitney p = NA t−test p = NA

199−H4−18* (153m) Lag (4 Days)



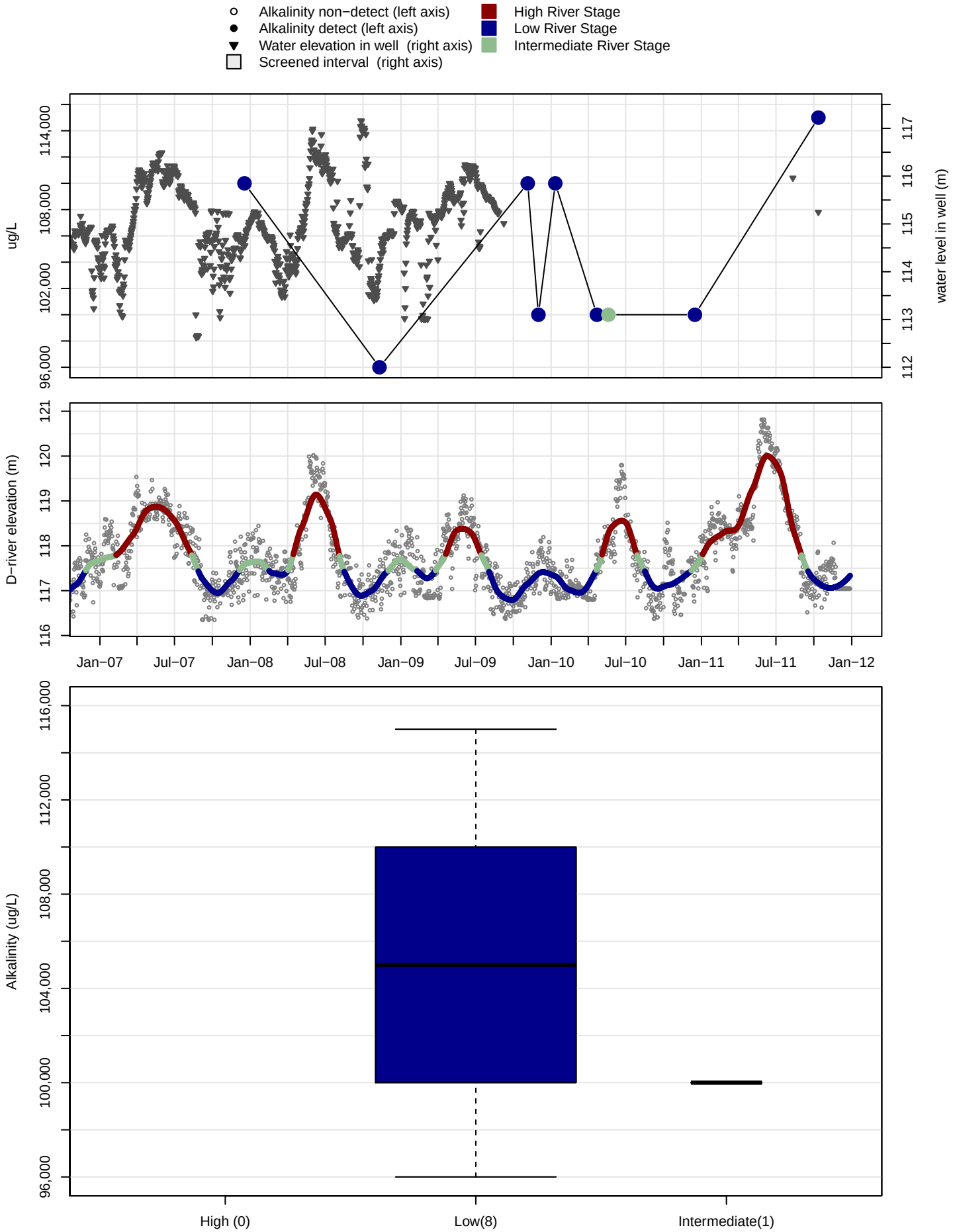
Mann Whitney p = NA t−test p = NA

199−H4−2 (210m) Lag (Indeterminate)



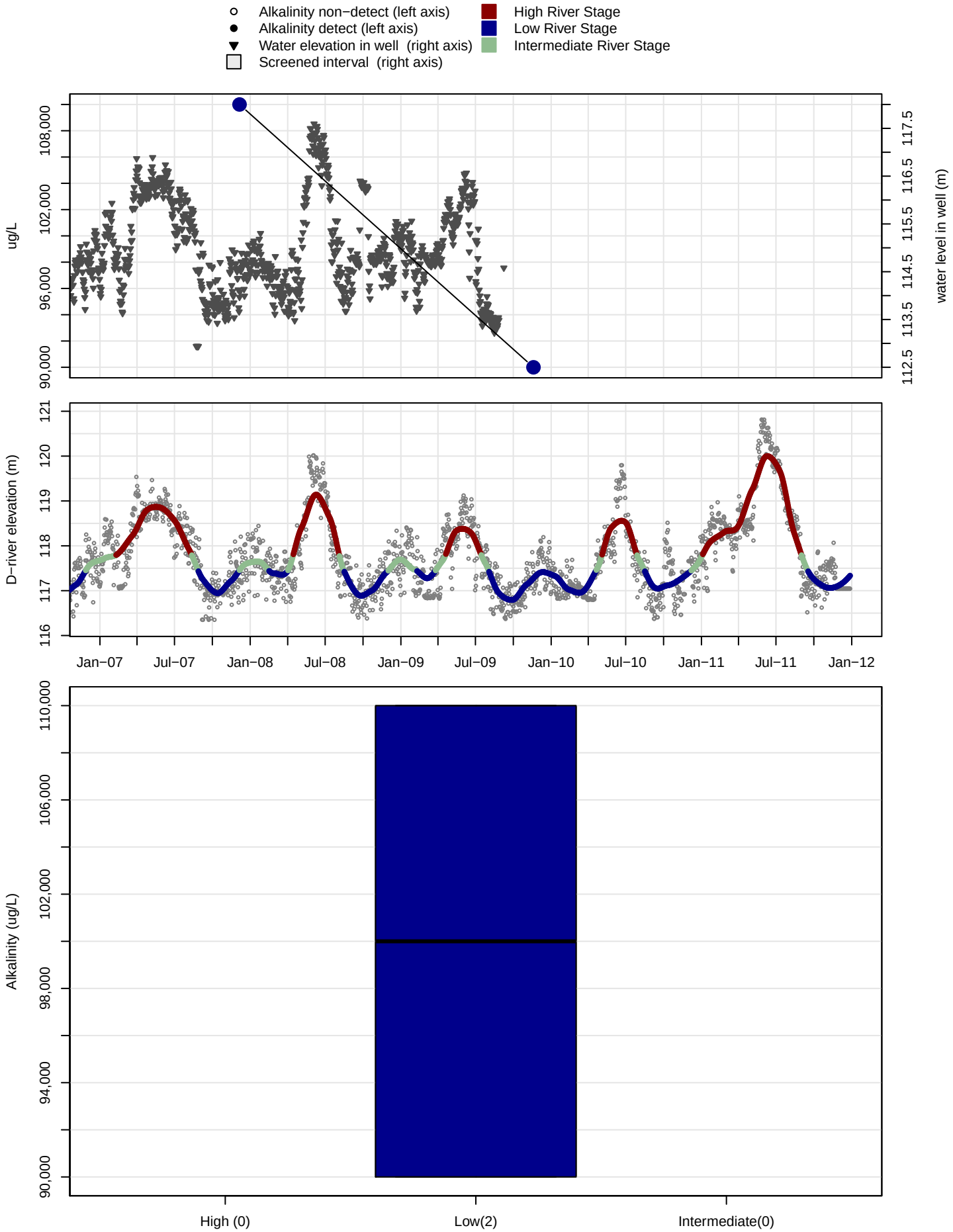
Mann Whitney p = NA t−test p = NA

199−H4−3* (159m) Lag (14 Days)



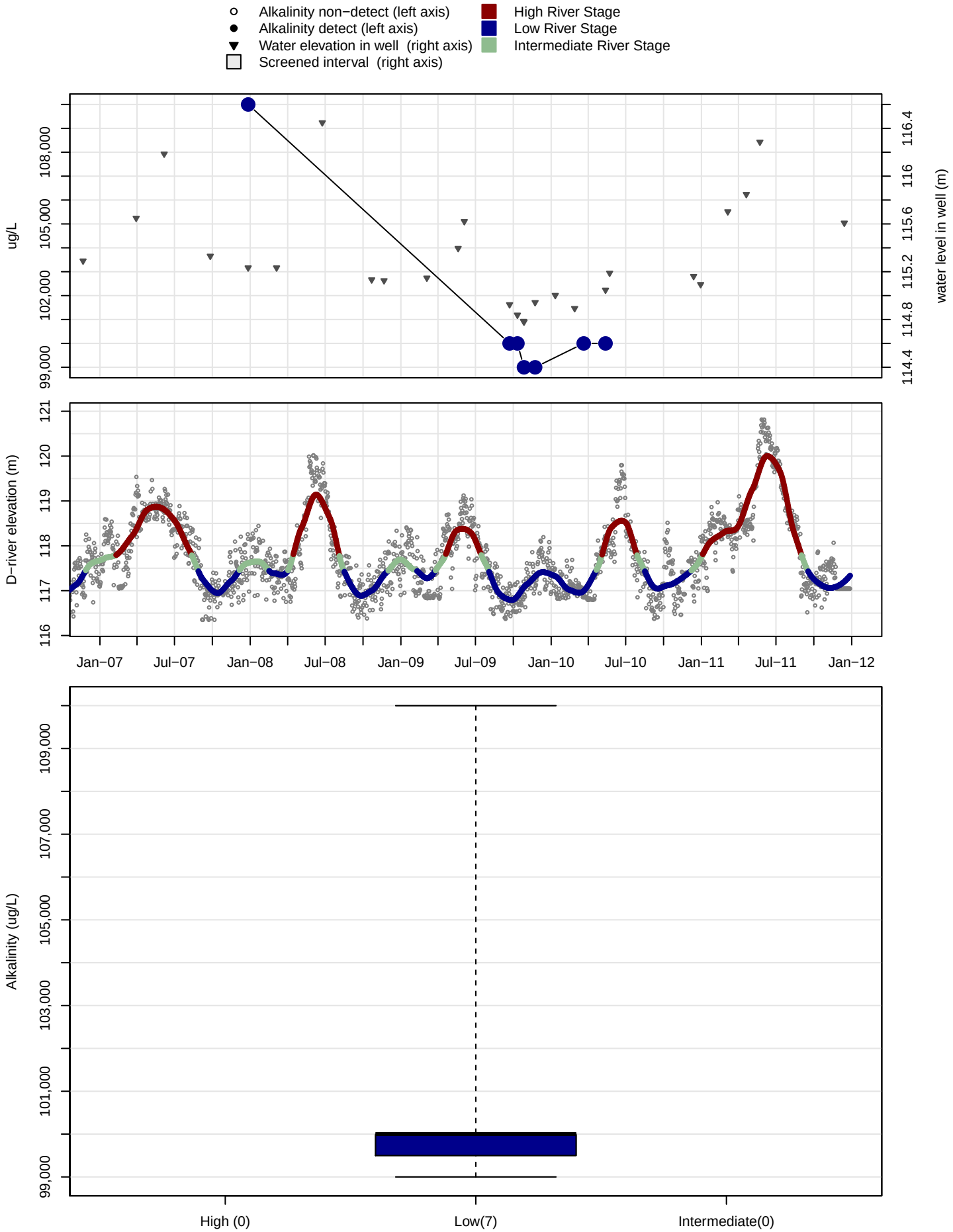
Mann Whitney p = NA t−test p = NA

199−H4−4* (63m) Lag (0 Days)



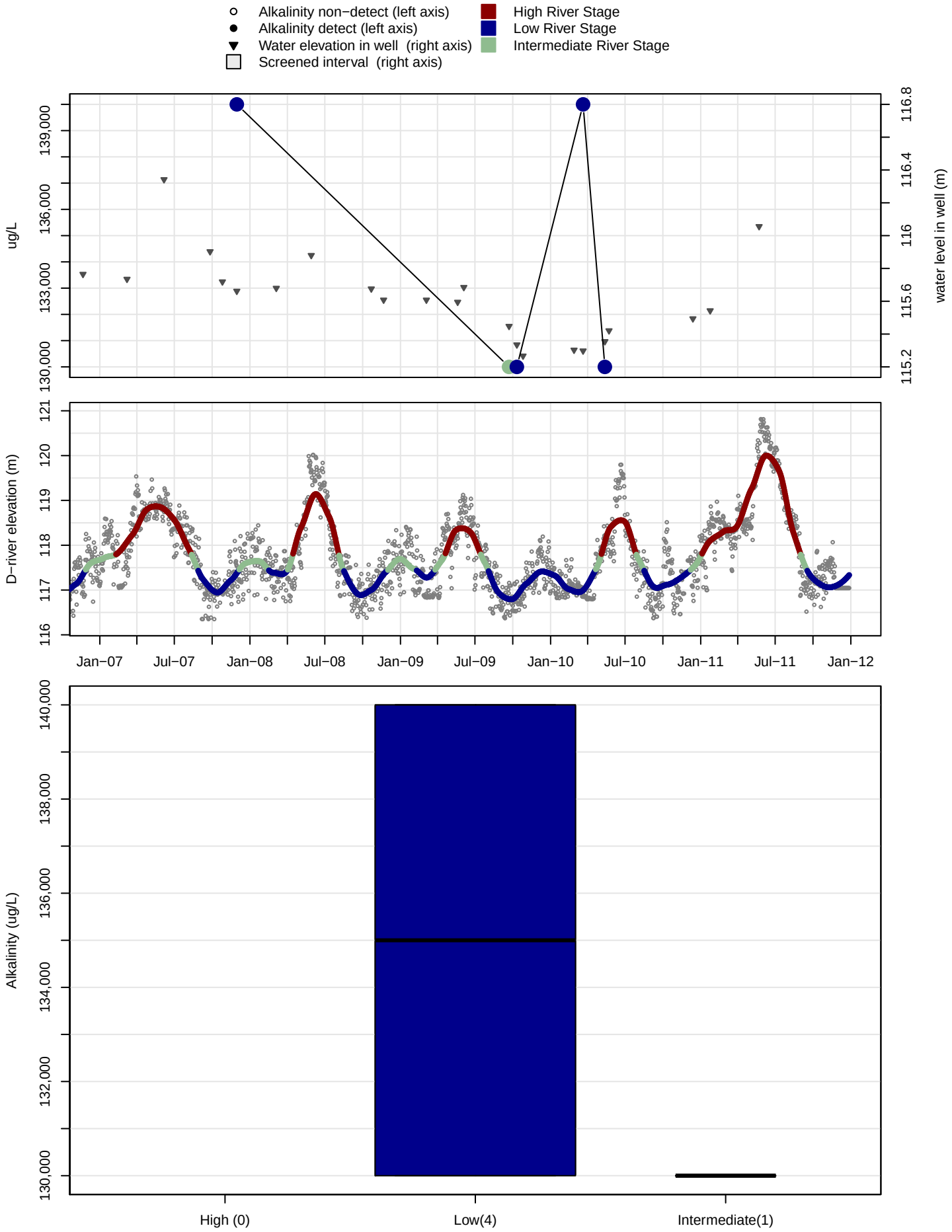
Mann Whitney p = NA t−test p = NA

199−H4−45 (194m) Lag (31 Days)



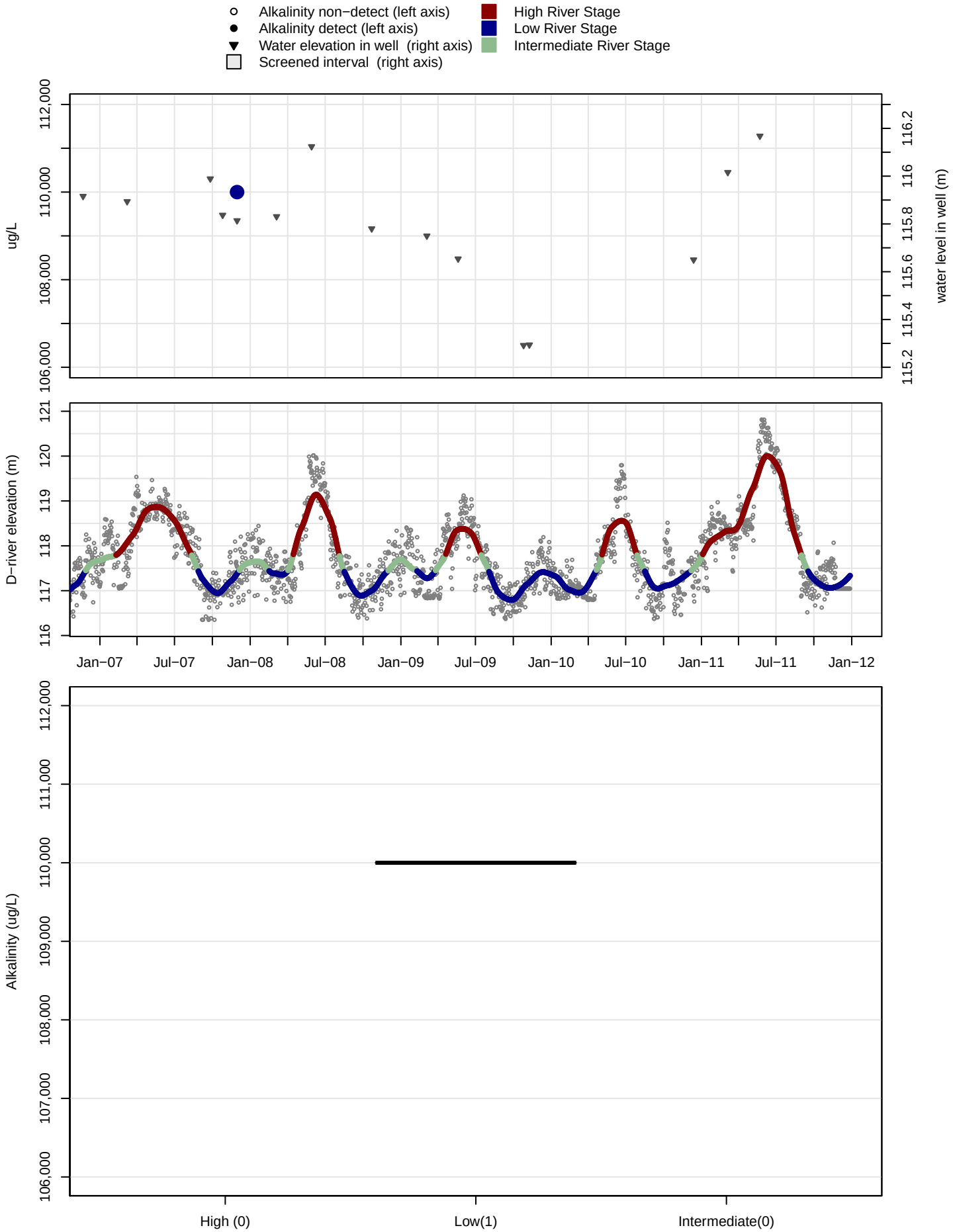
Mann Whitney p = NA t−test p = NA

199−H4−46 (423m) Lag (49 Days)



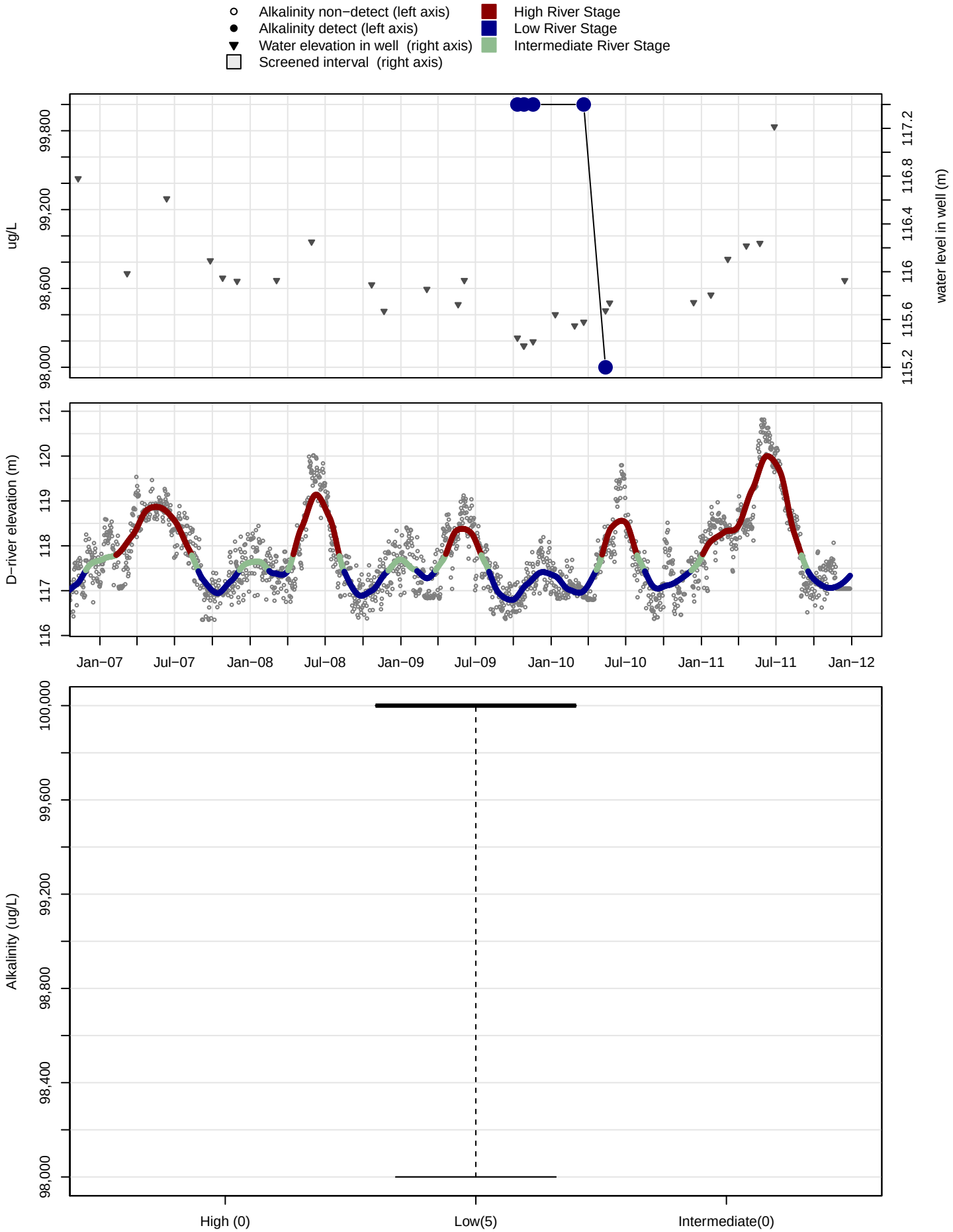
Mann Whitney p = NA t−test p = NA

199−H4−47 (363m) Lag (48 Days)



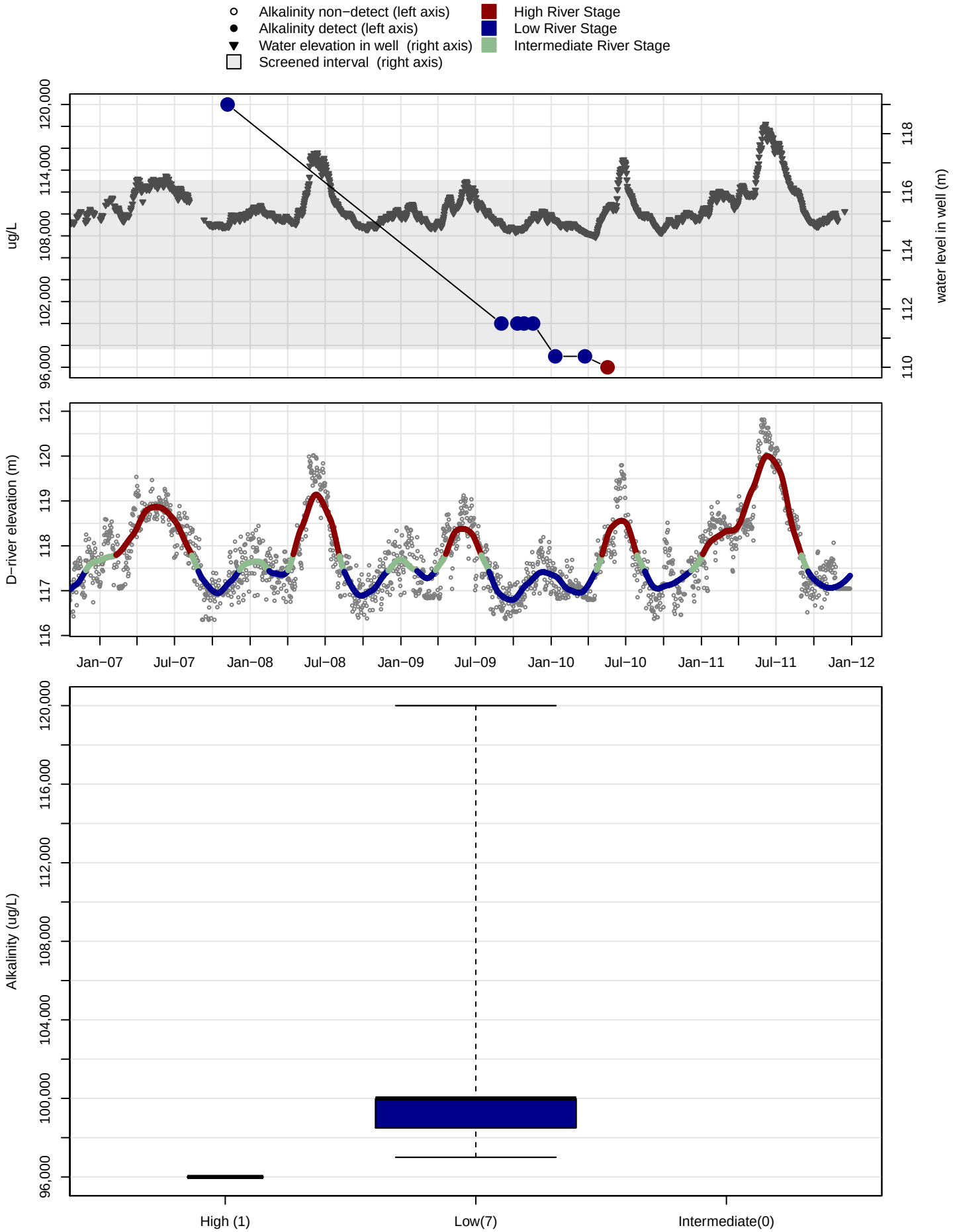
Mann Whitney p = NA t−test p = NA

199−H4−48 (415m) Lag (49 Days)



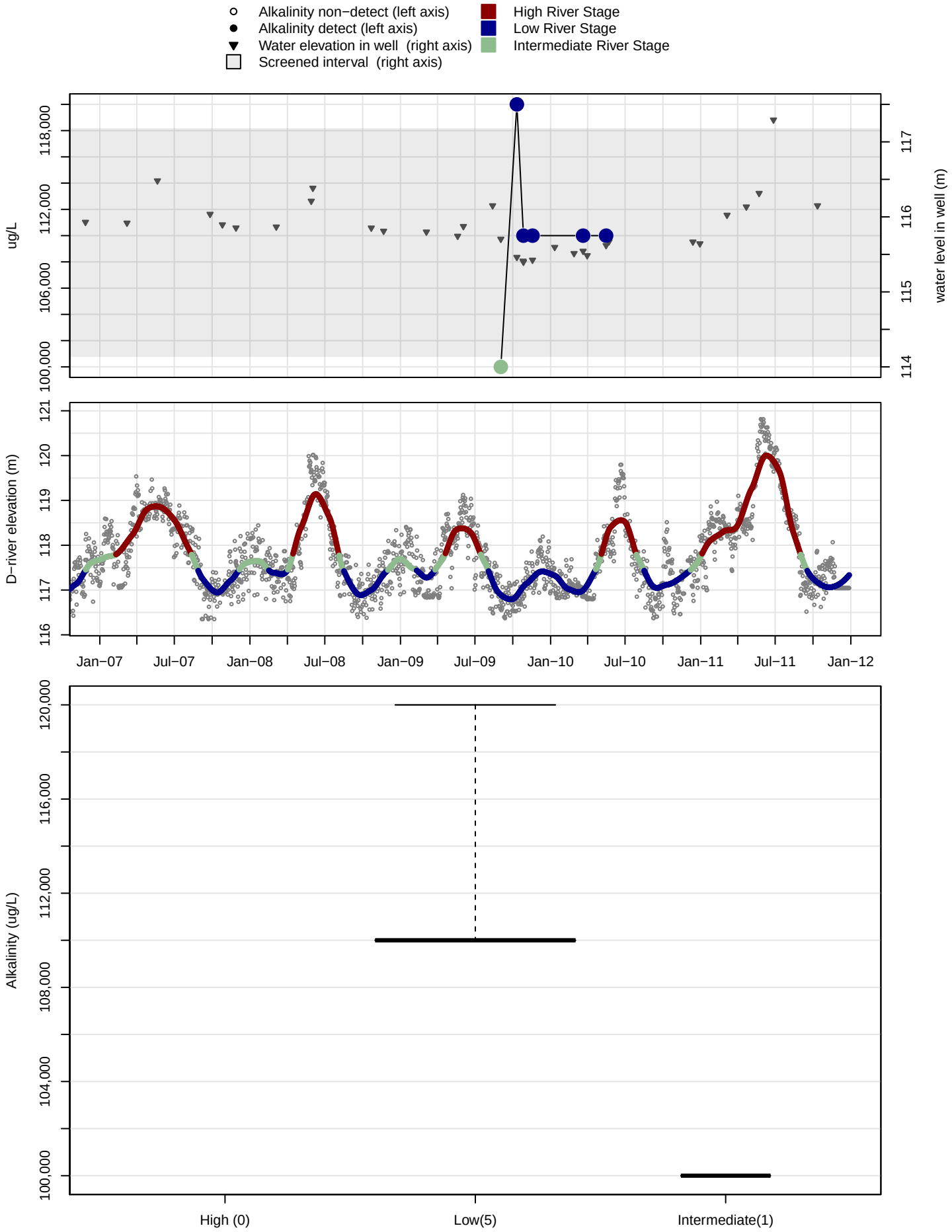
Mann Whitney p = NA t−test p = NA

199−H4−5 (111m) Lag (7 Days)



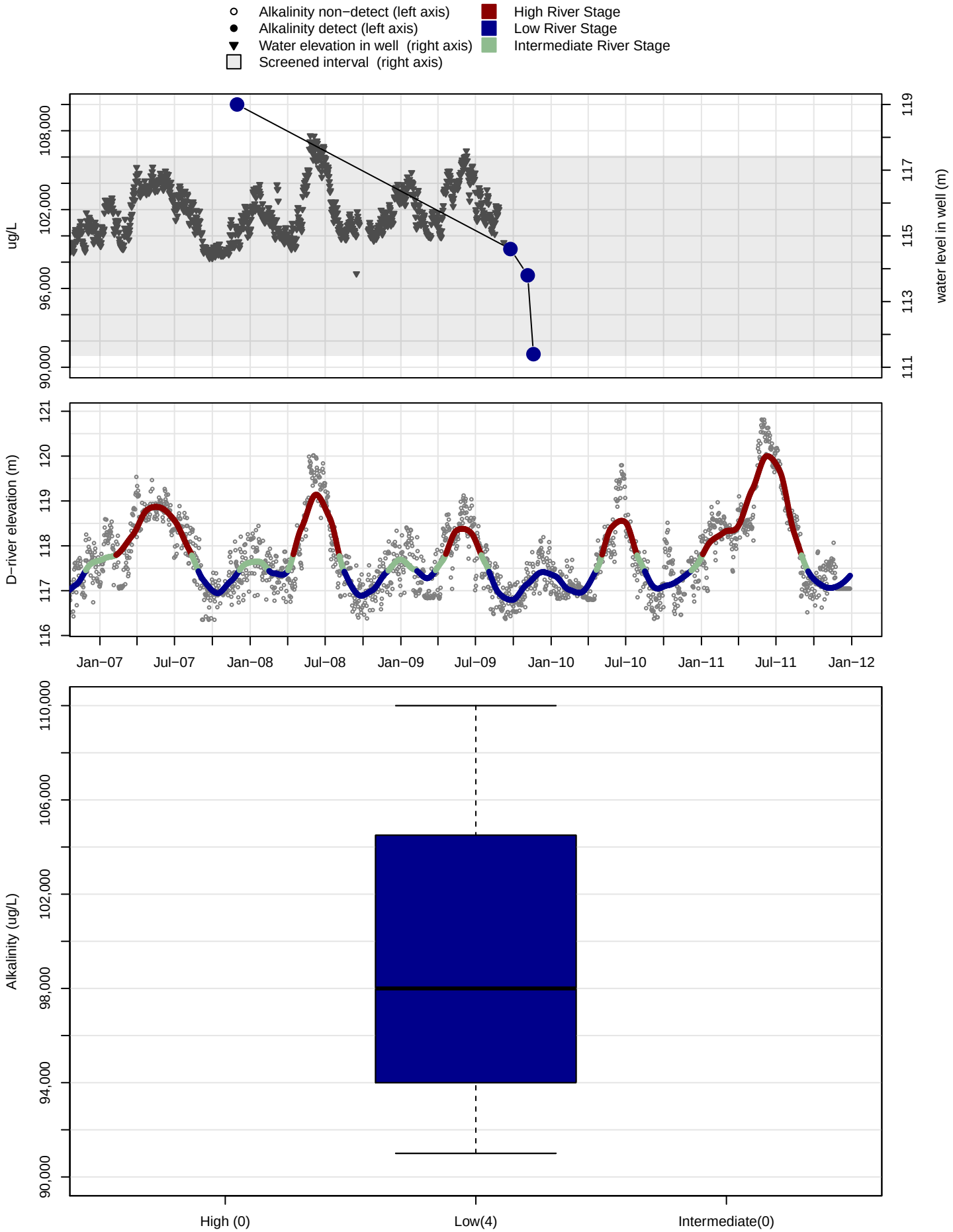
Mann Whitney p = NA t−test p = NA

199−H4−6 (417m) Lag (40 Days)



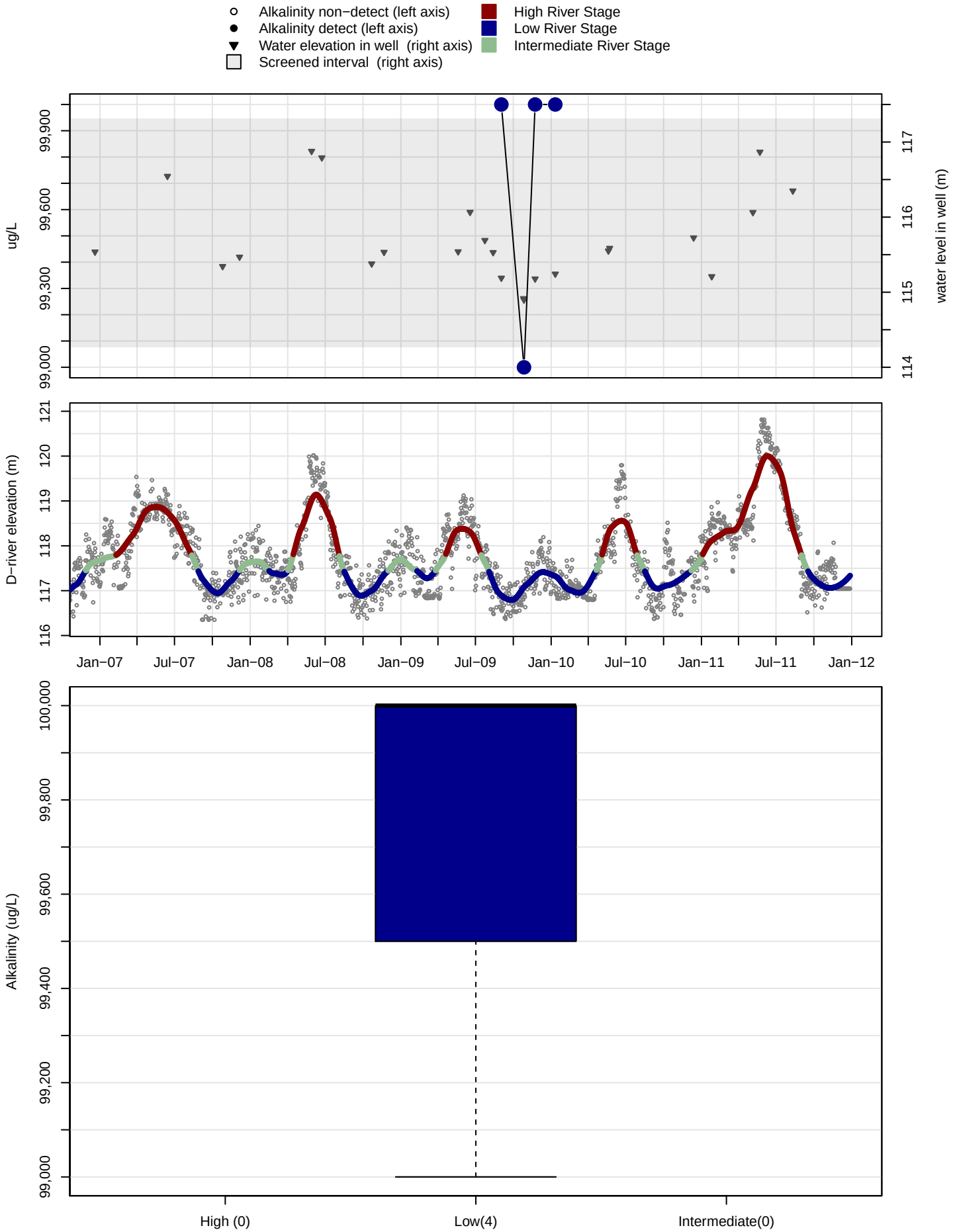
Mann Whitney p = NA t−test p = NA

199−H4−63* (52m) Lag (4 Days)



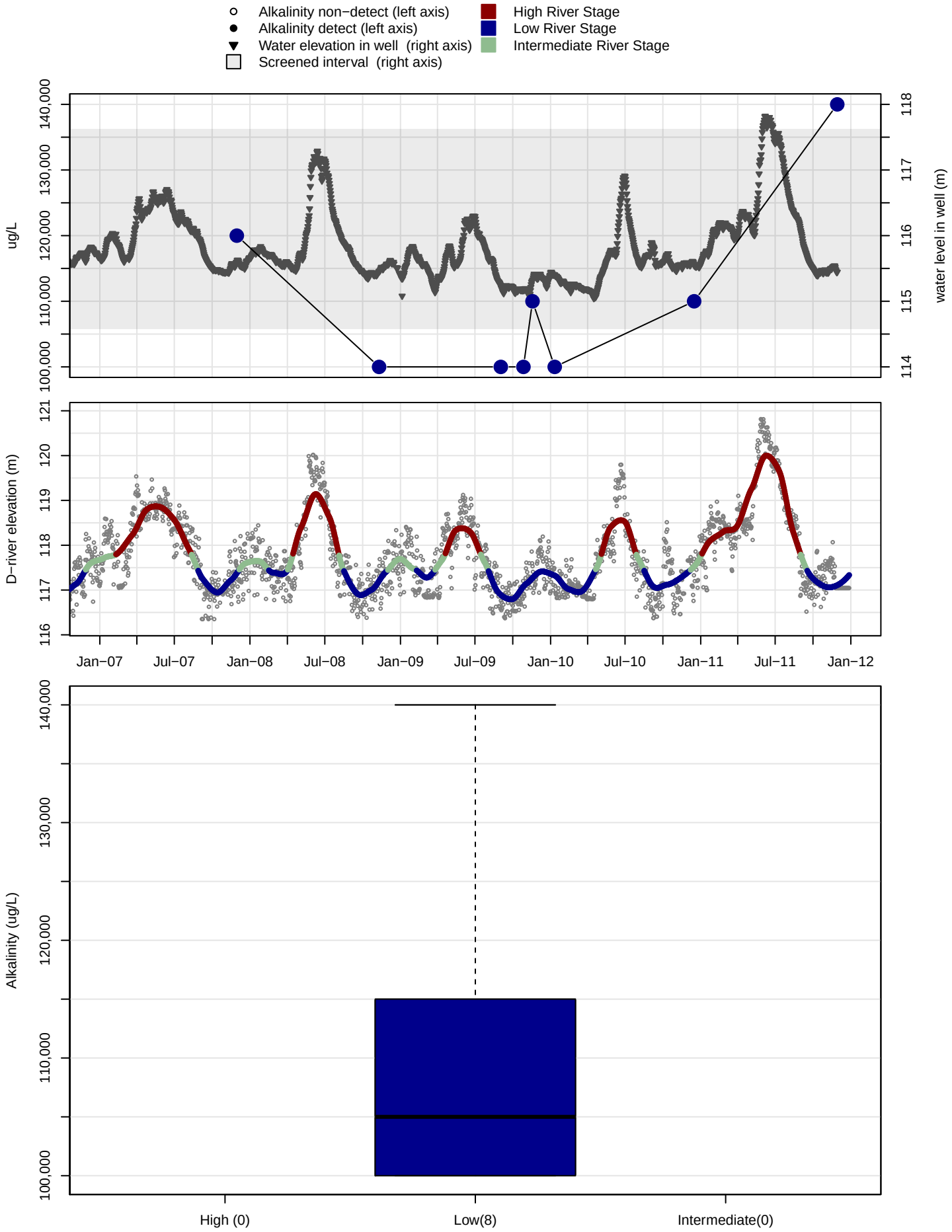
Mann Whitney p = NA t−test p = NA

199−H4−65 (151m) Lag (14 Days)



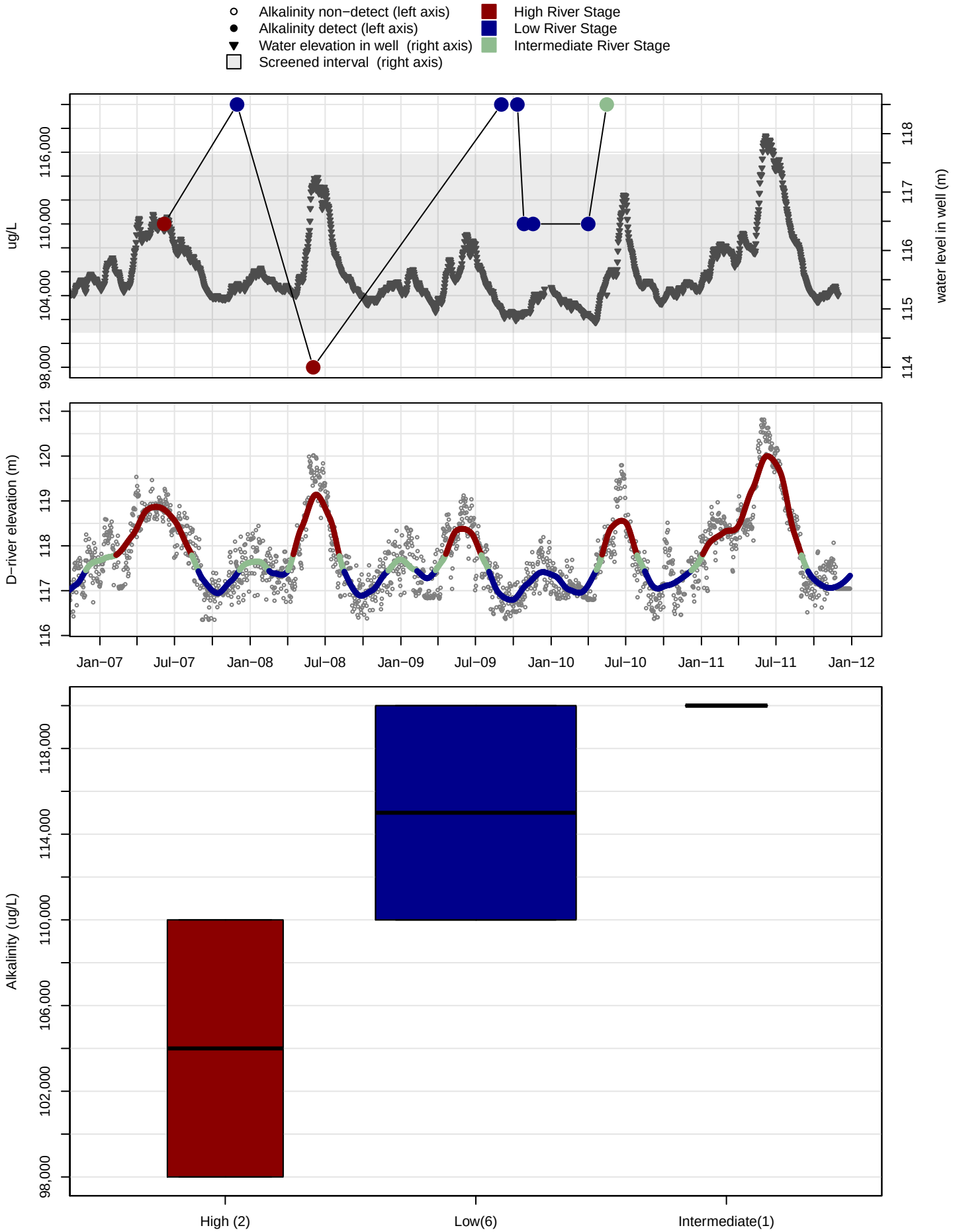
Mann Whitney p = NA t−test p = NA

199−H4−8 (192m) Lag (14 Days)



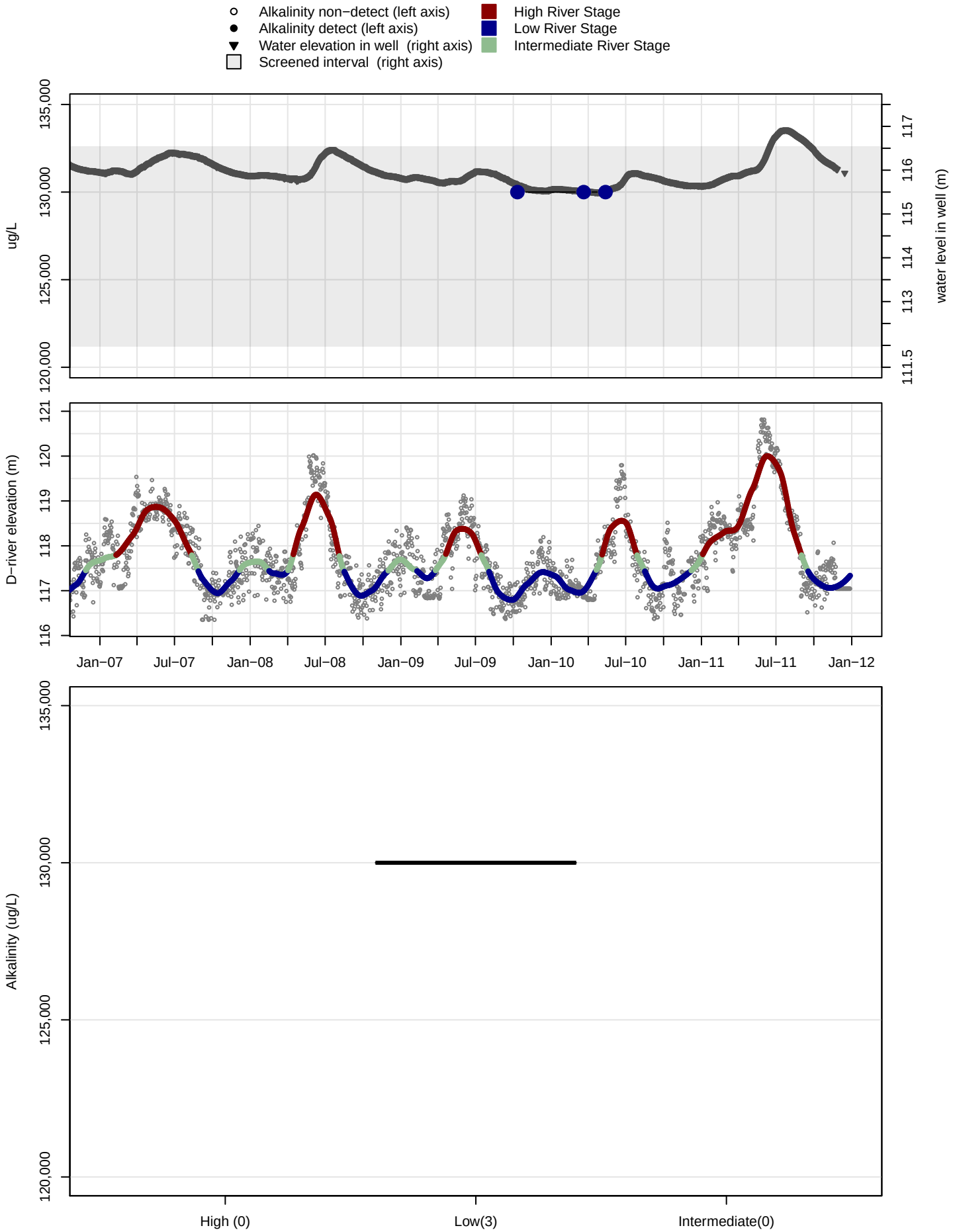
Mann Whitney p = NA t−test p = NA

199−H4−9 (154m) Lag (10 Days)



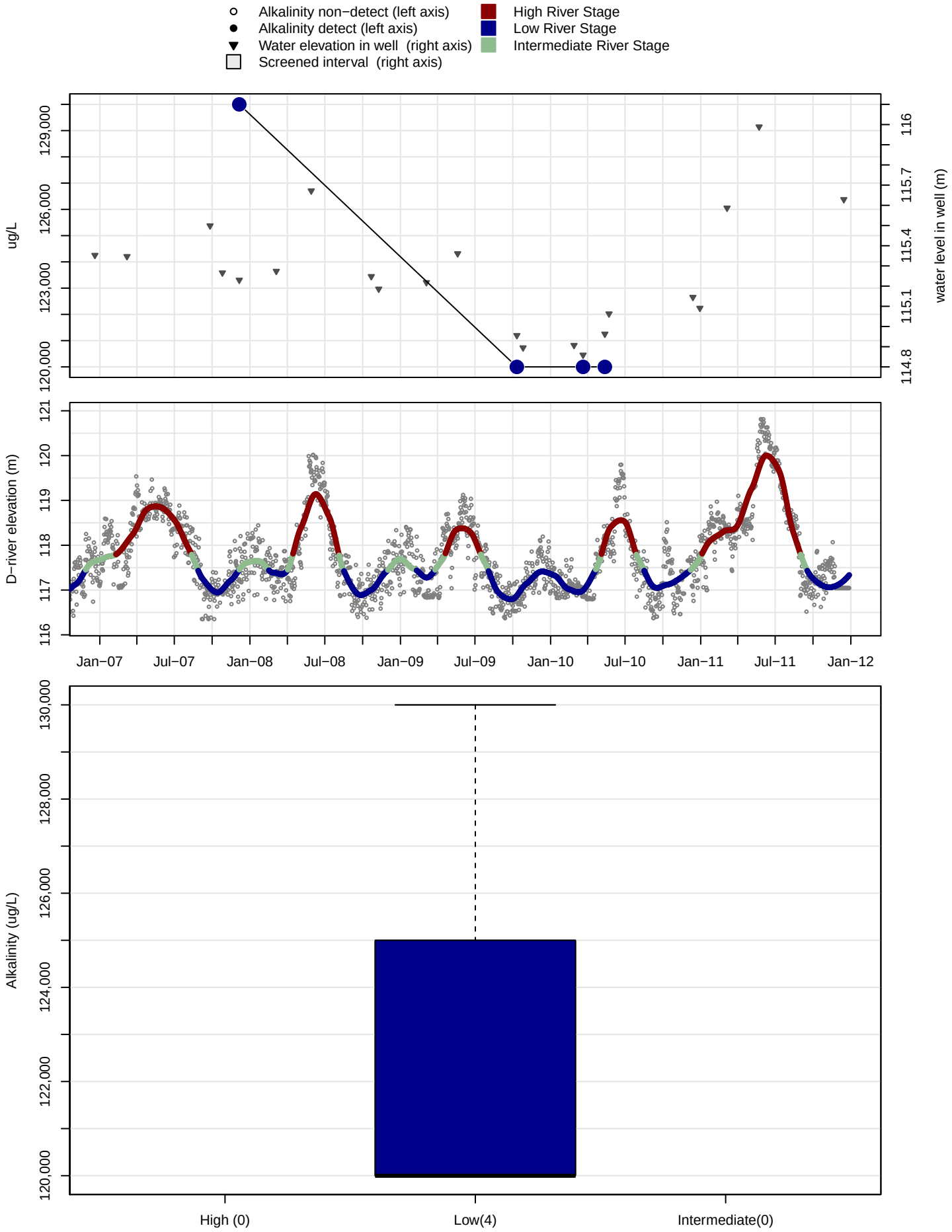
Mann Whitney p = NA t−test p = NA

199−H5−1A (715m) Lag (59 Days)



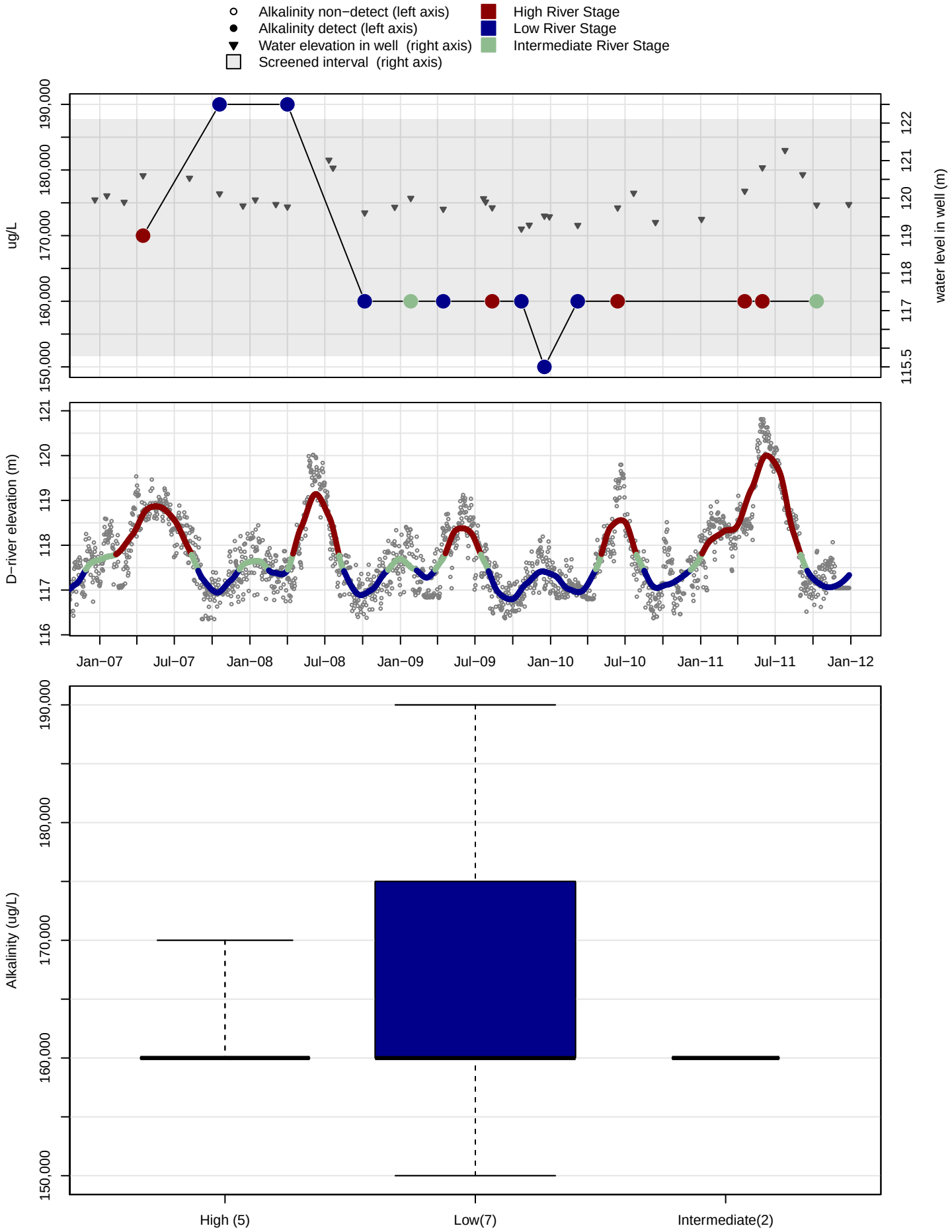
Mann Whitney p = NA t−test p = NA

199−H6−1 (291m) Lag (42 Days)



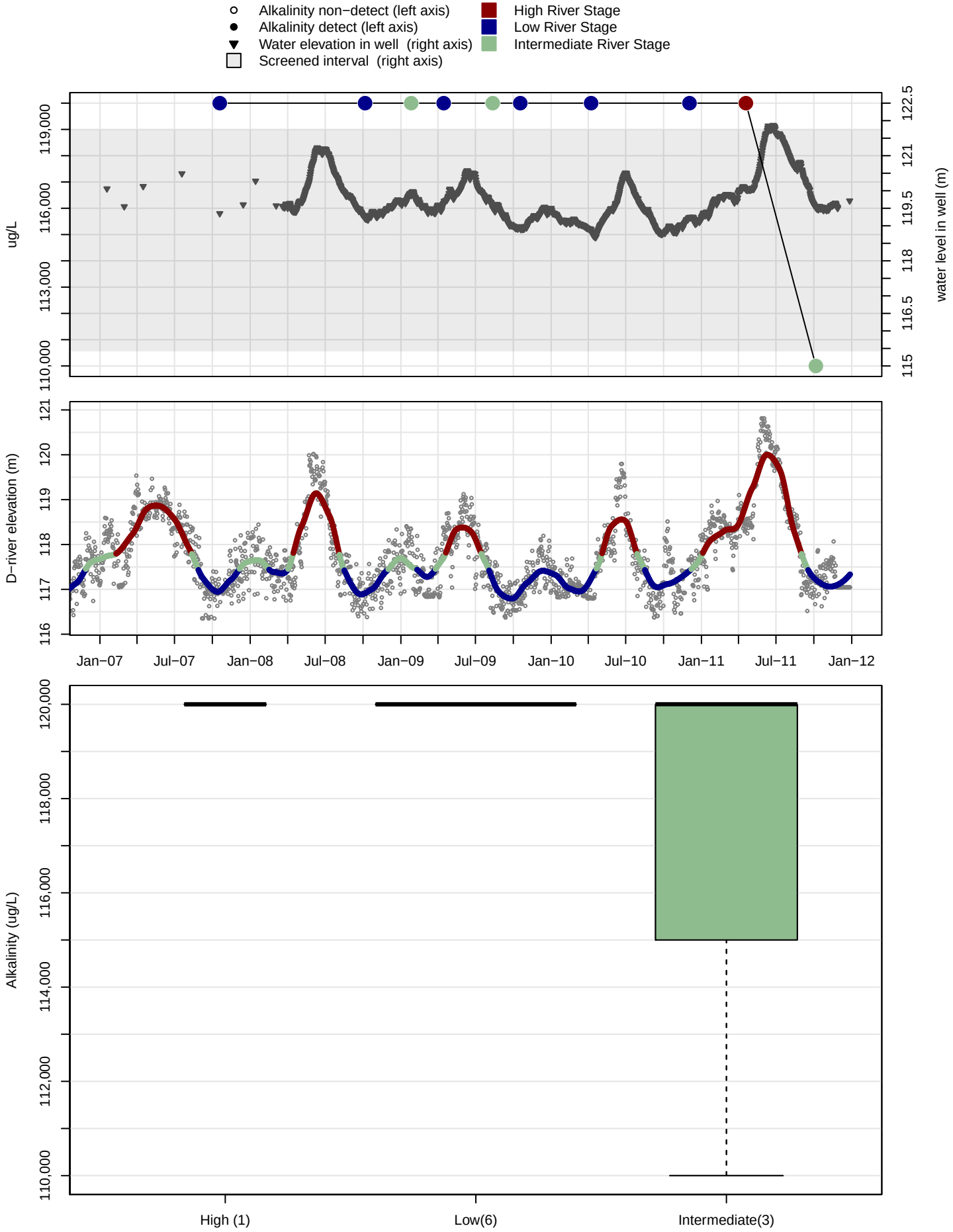
Mann Whitney p = NA t−test p = NA

199−K−106A (437m) Lag (29 Days)



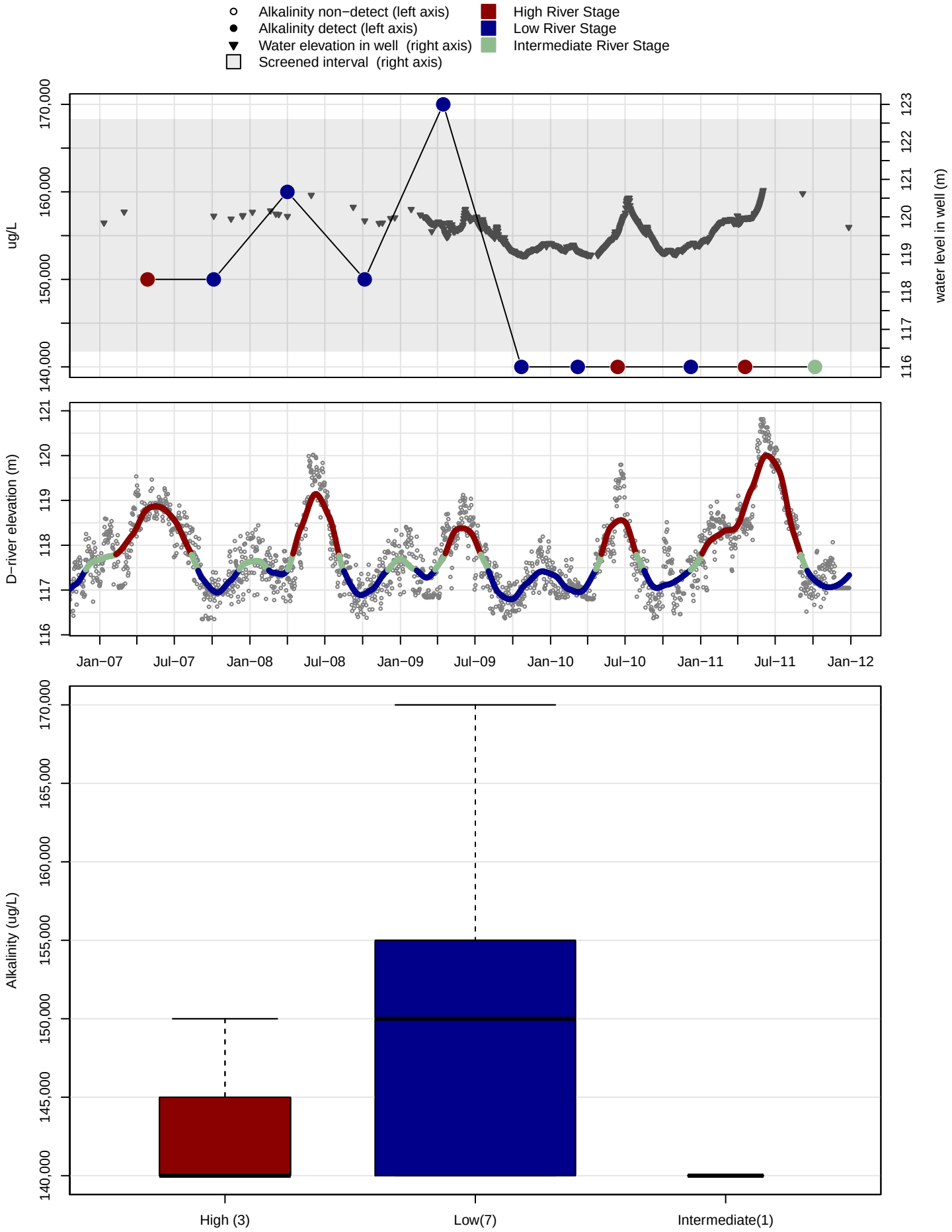
Mann Whitney p = 1e+00 t−test p = 4.46e−01

199−K−107A (388m) Lag (19 Days)



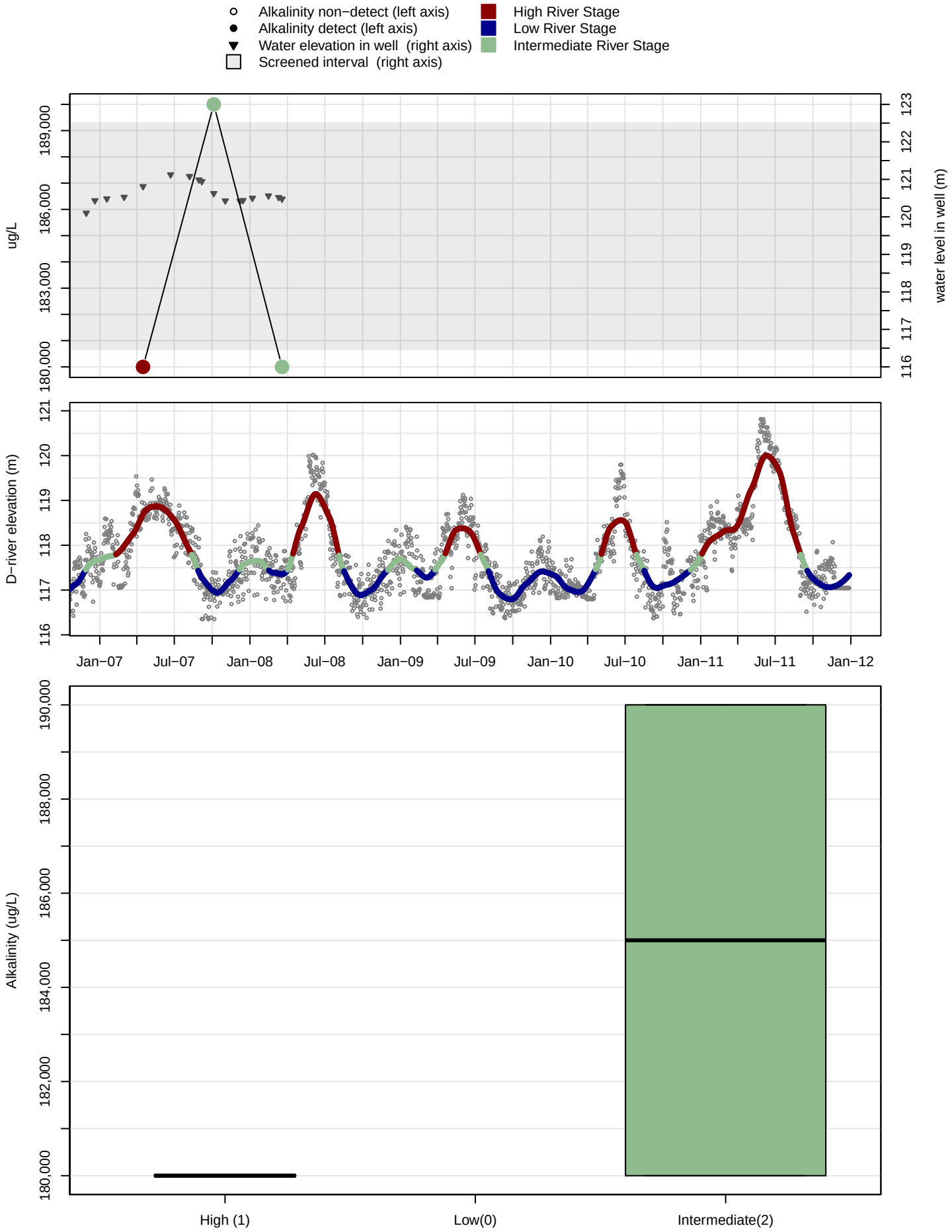
Mann Whitney p = NA t−test p = NA

199−K−108A (516m) Lag (27 Days)



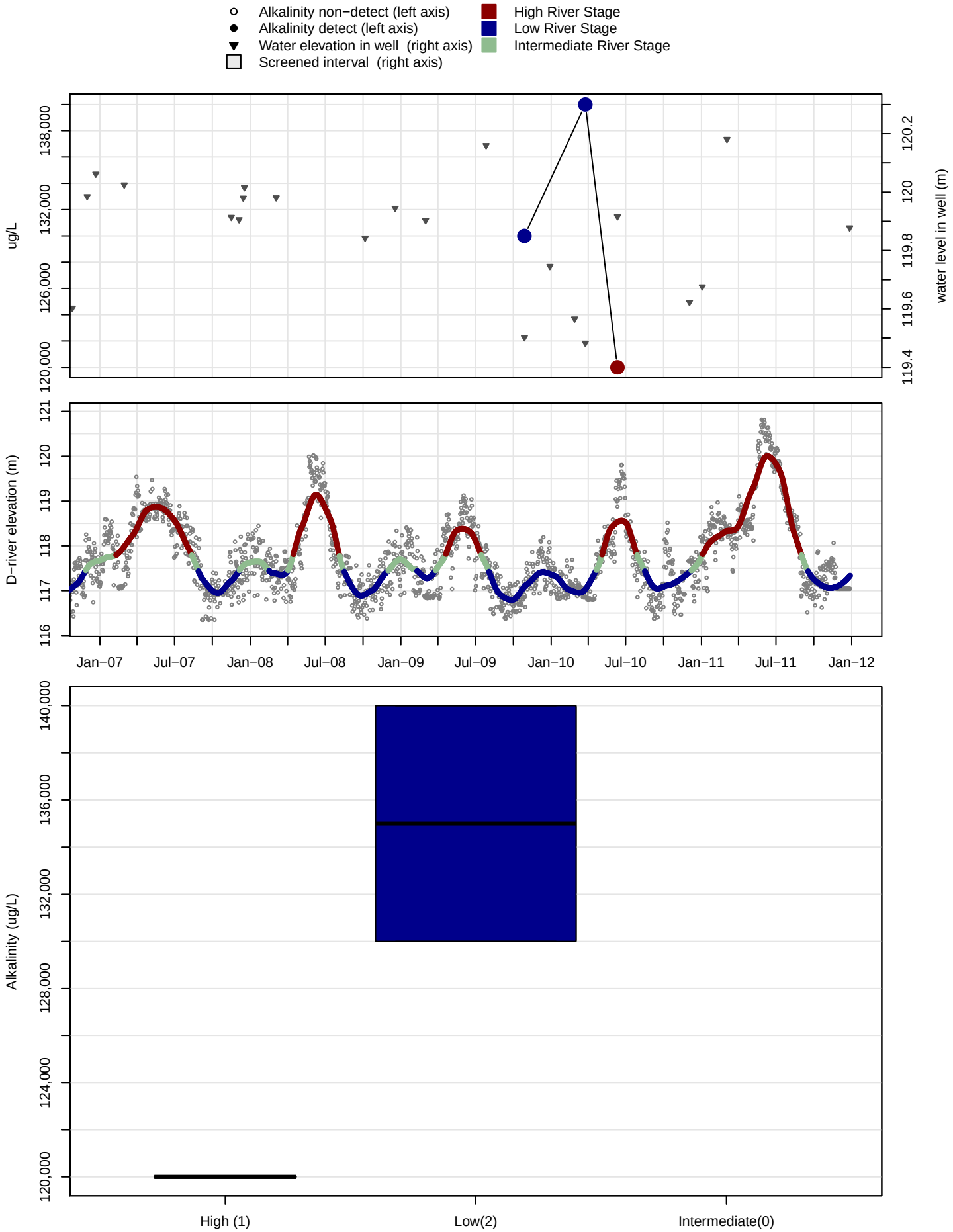
Mann Whitney p = 5.83e−01 t−test p = 2.62e−01

199−K−109A (485m) Lag (51 Days)



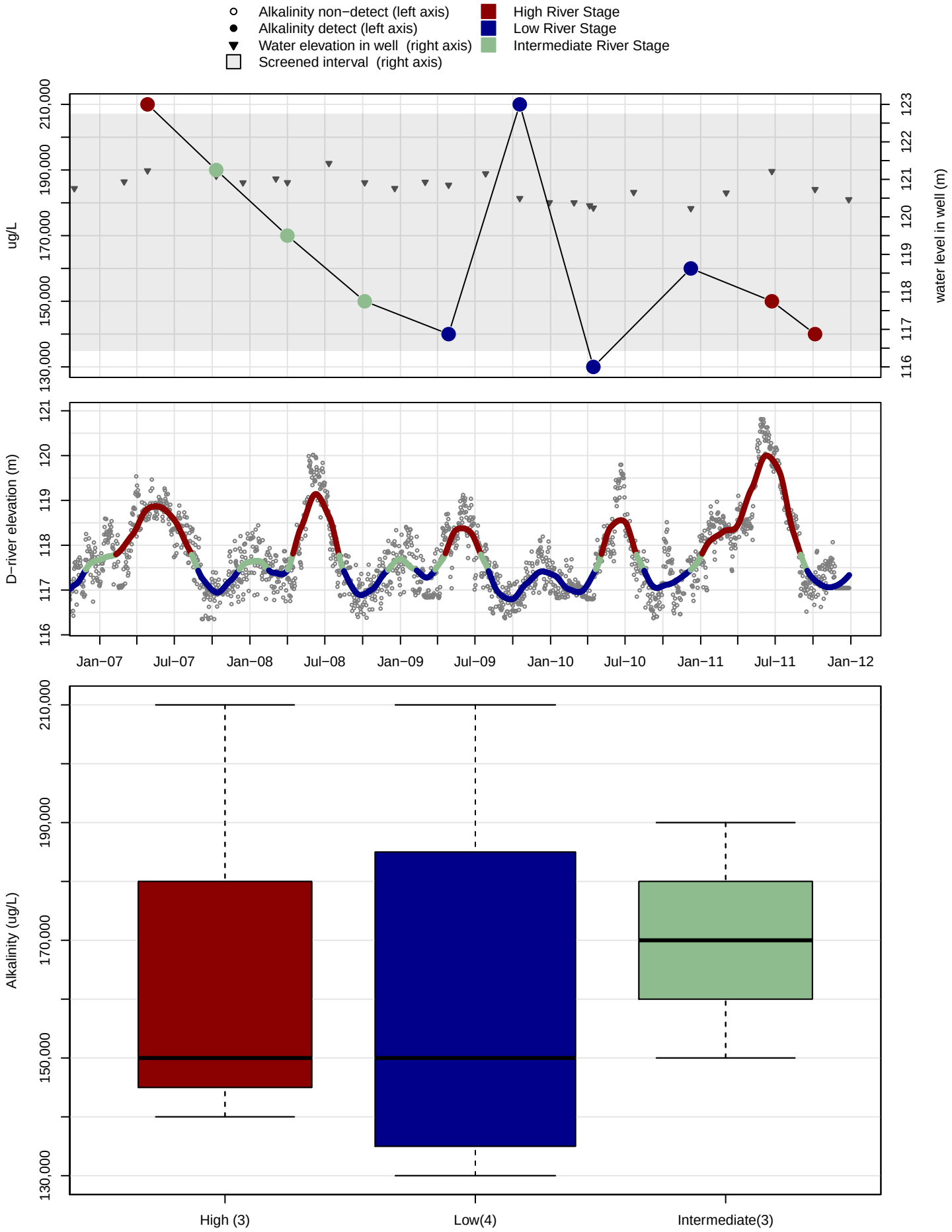
Mann Whitney p = NA t−test p = NA

199−K−11 (478m) Lag (22 Days)



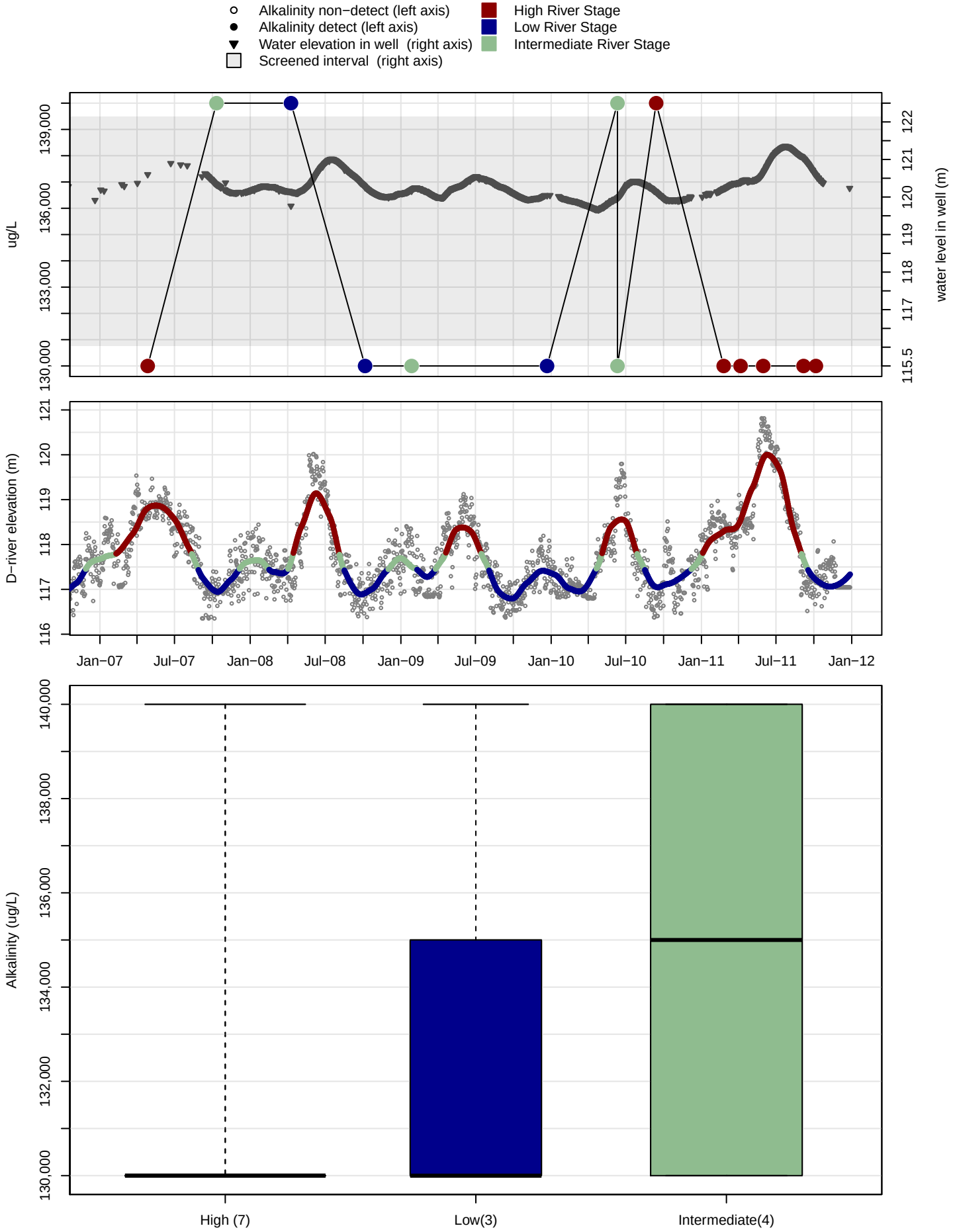
Mann Whitney p = NA t−test p = NA

199−K−110A (613m) Lag (51 Days)



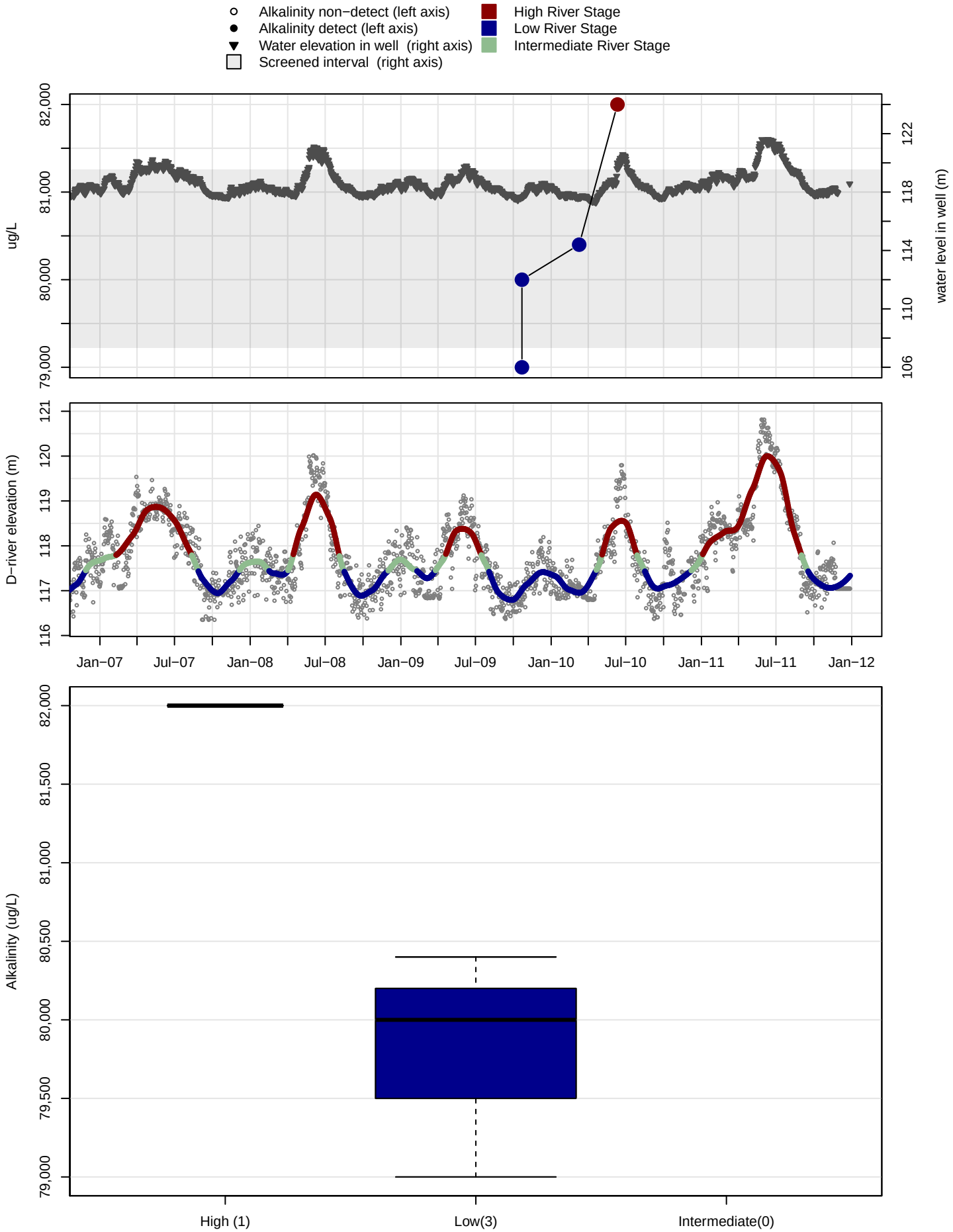
Mann Whitney p = 7.71e−01 t−test p = 8.24e−01

199−K−111A (467m) Lag (46 Days)



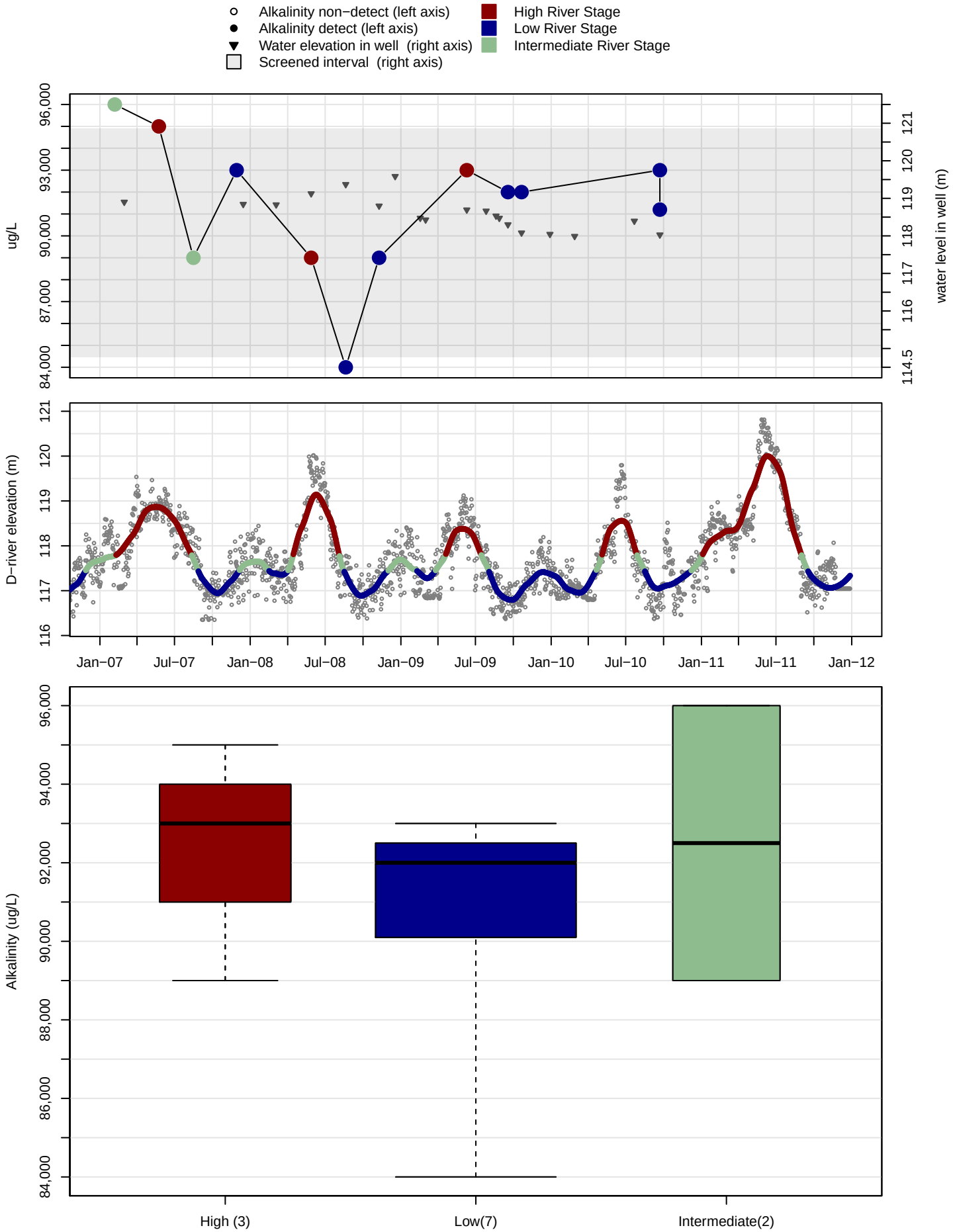
Mann Whitney p = 1e+00 t−test p = 6.39e−01

199−K−117A (69m) Lag (8 Days)



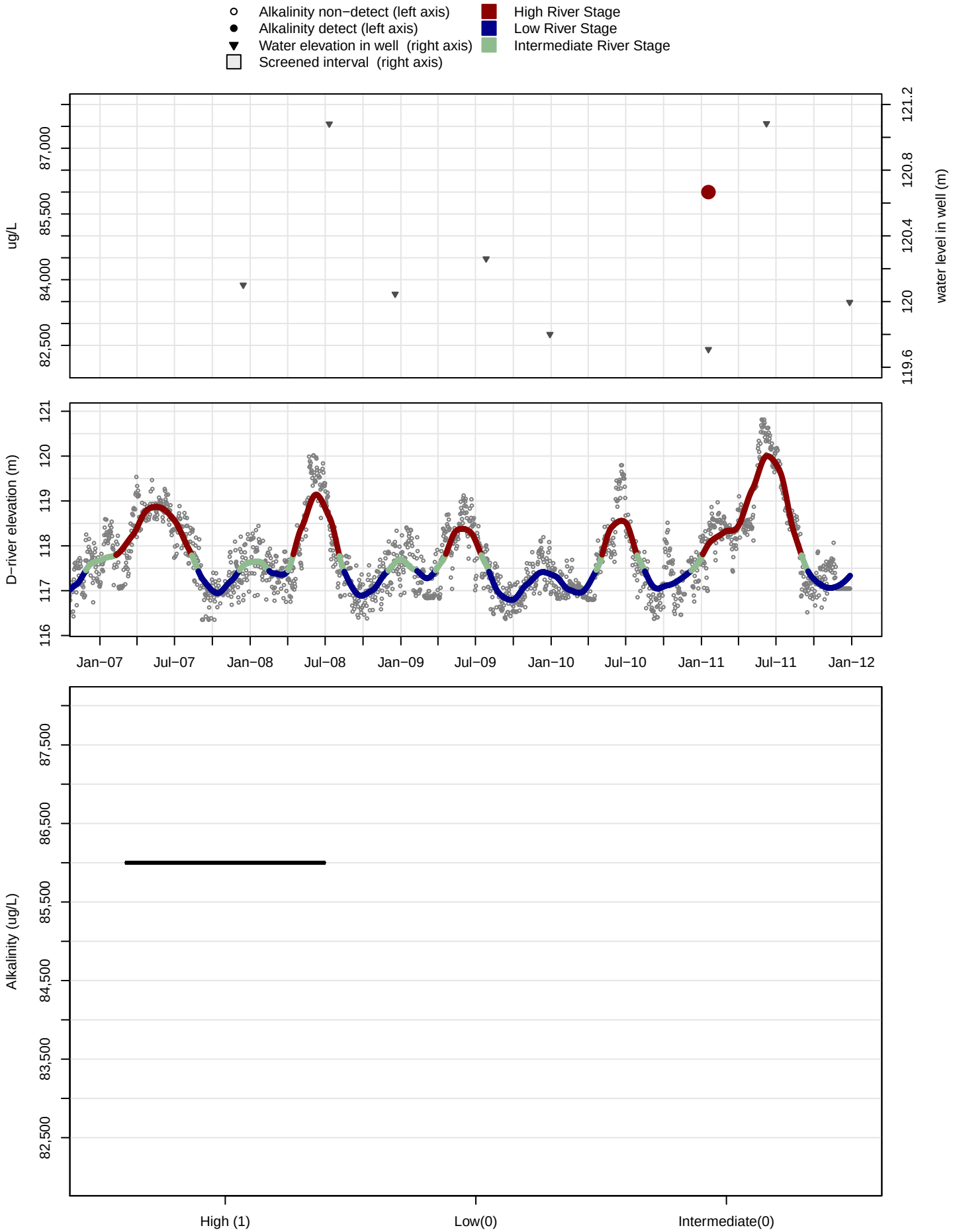
Mann Whitney p = NA t−test p = NA

199−K−126 (290m) Lag (0 Days)



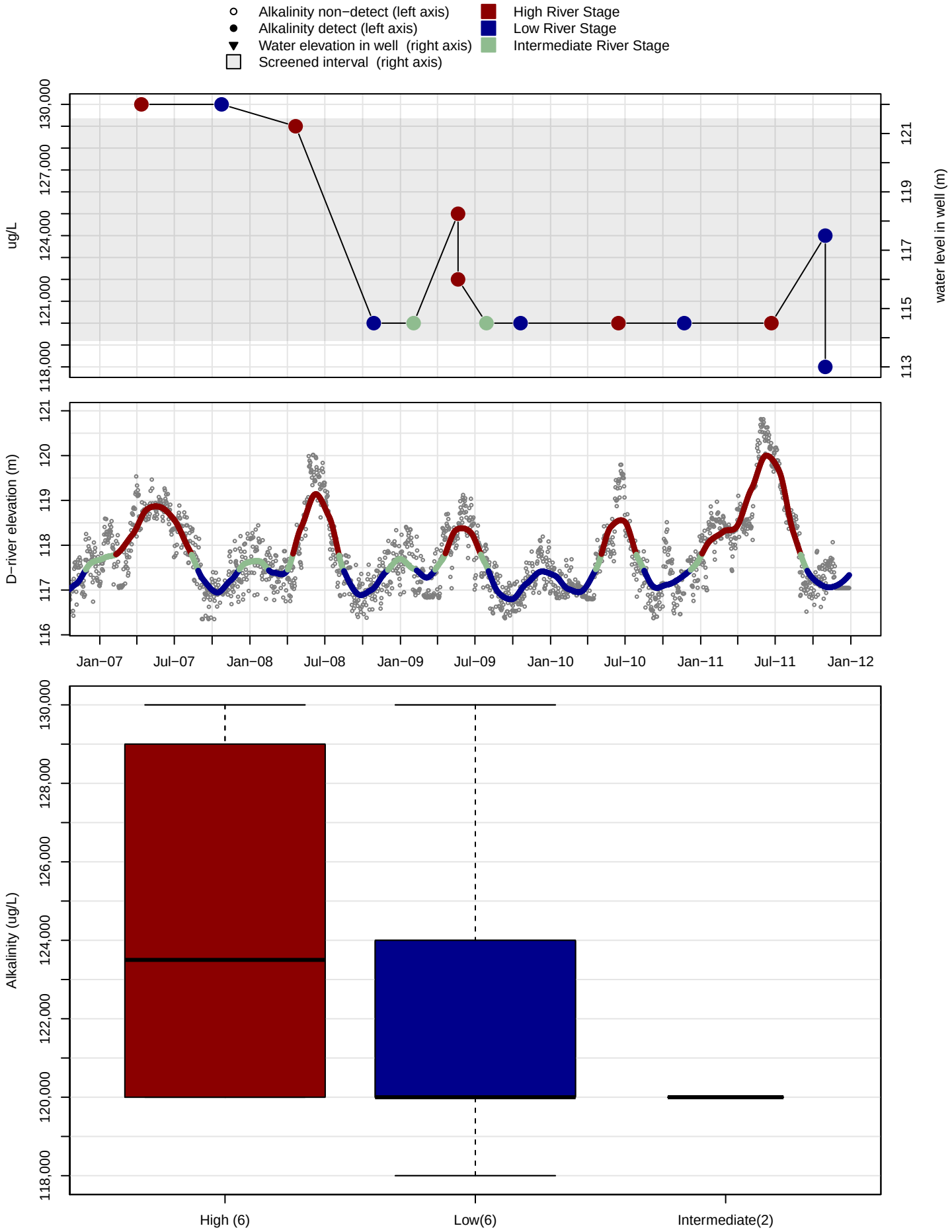
Mann Whitney p = 4.08e−01 t−test p = 4.63e−01

199−K−13 (479m) Lag (Indeterminate)



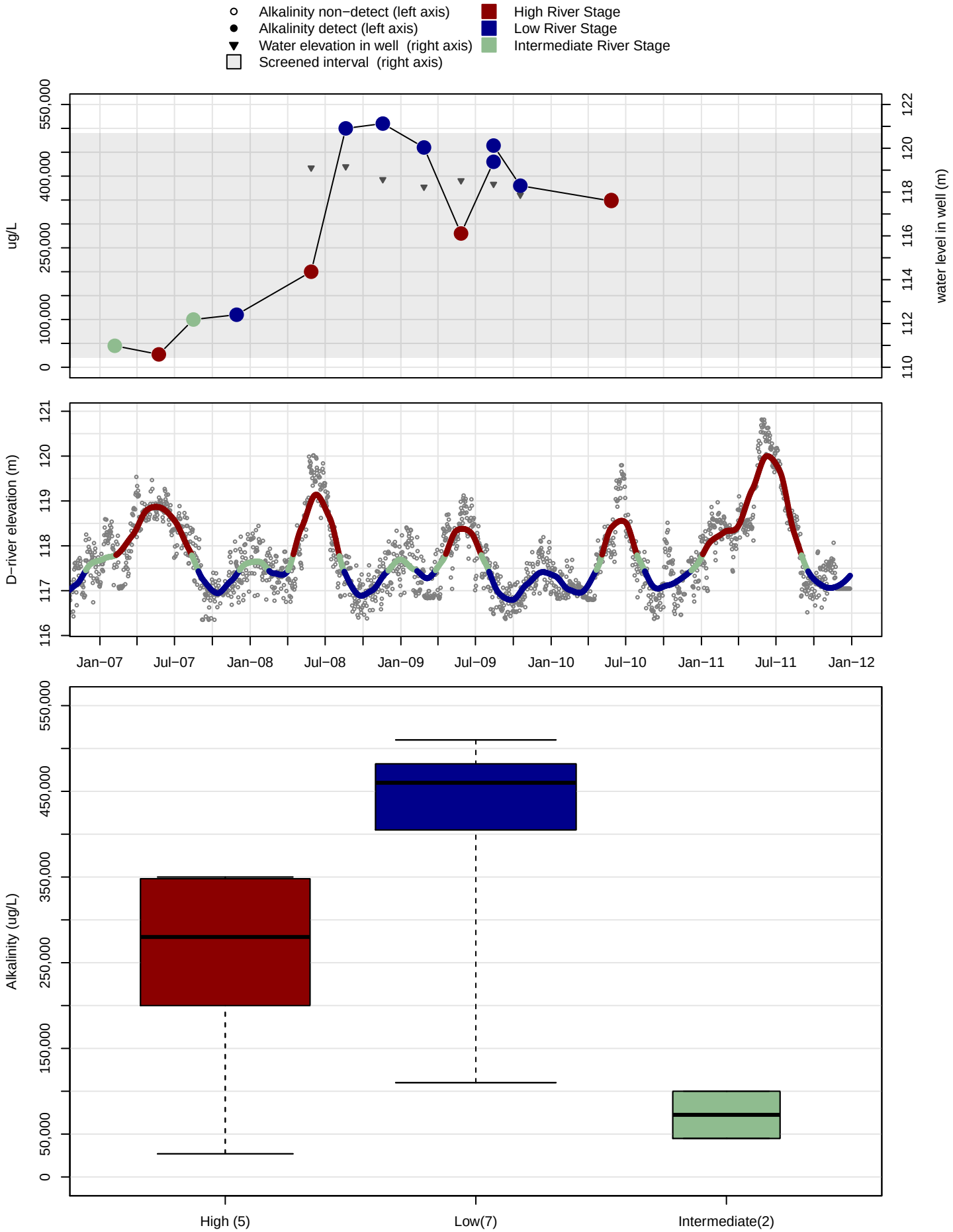
Mann Whitney p = NA t−test p = NA

199−K−132* (181m) Lag (Indeterminate)



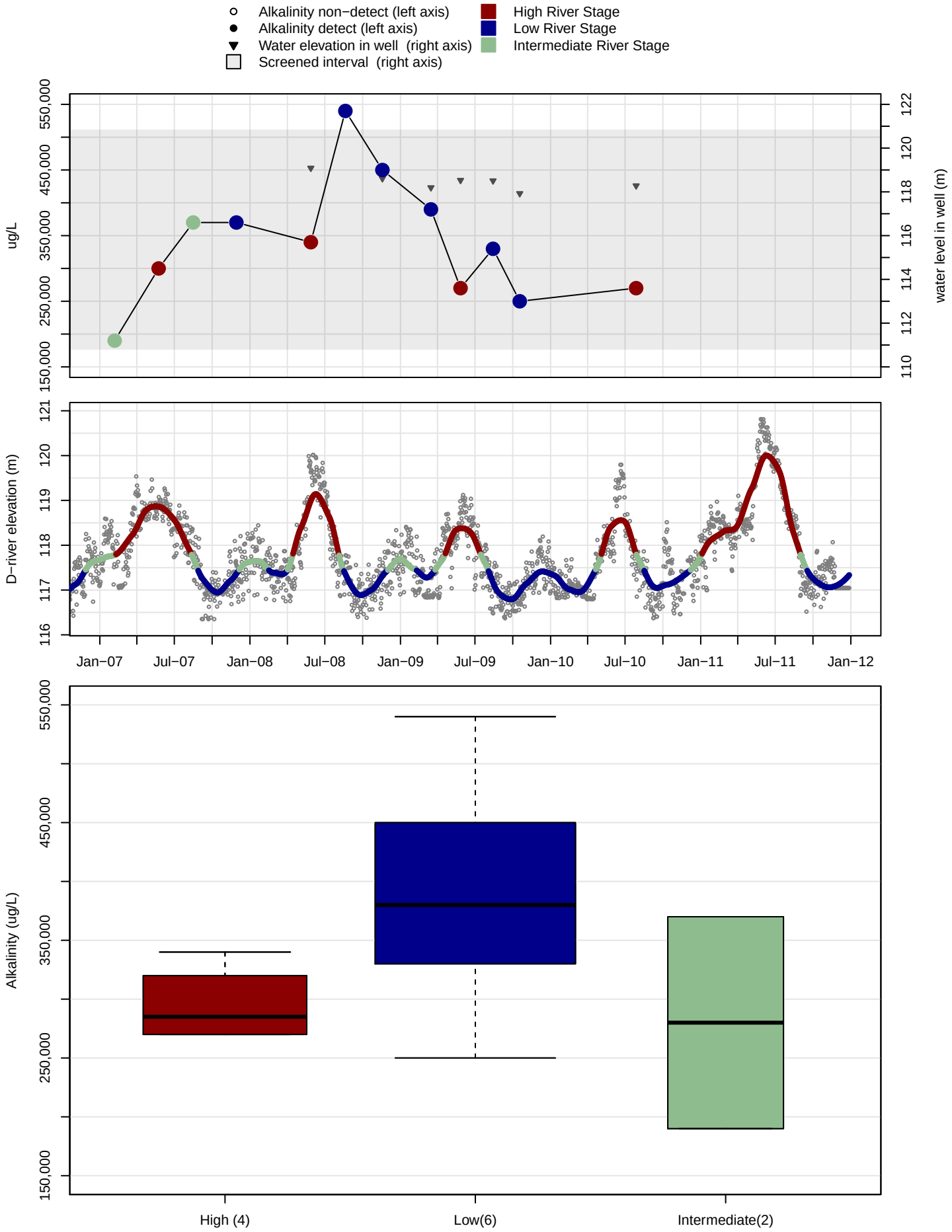
Mann Whitney p = 3.18e−01 t−test p = 3.8e−01

199−K−133 (261m) Lag (Indeterminate)



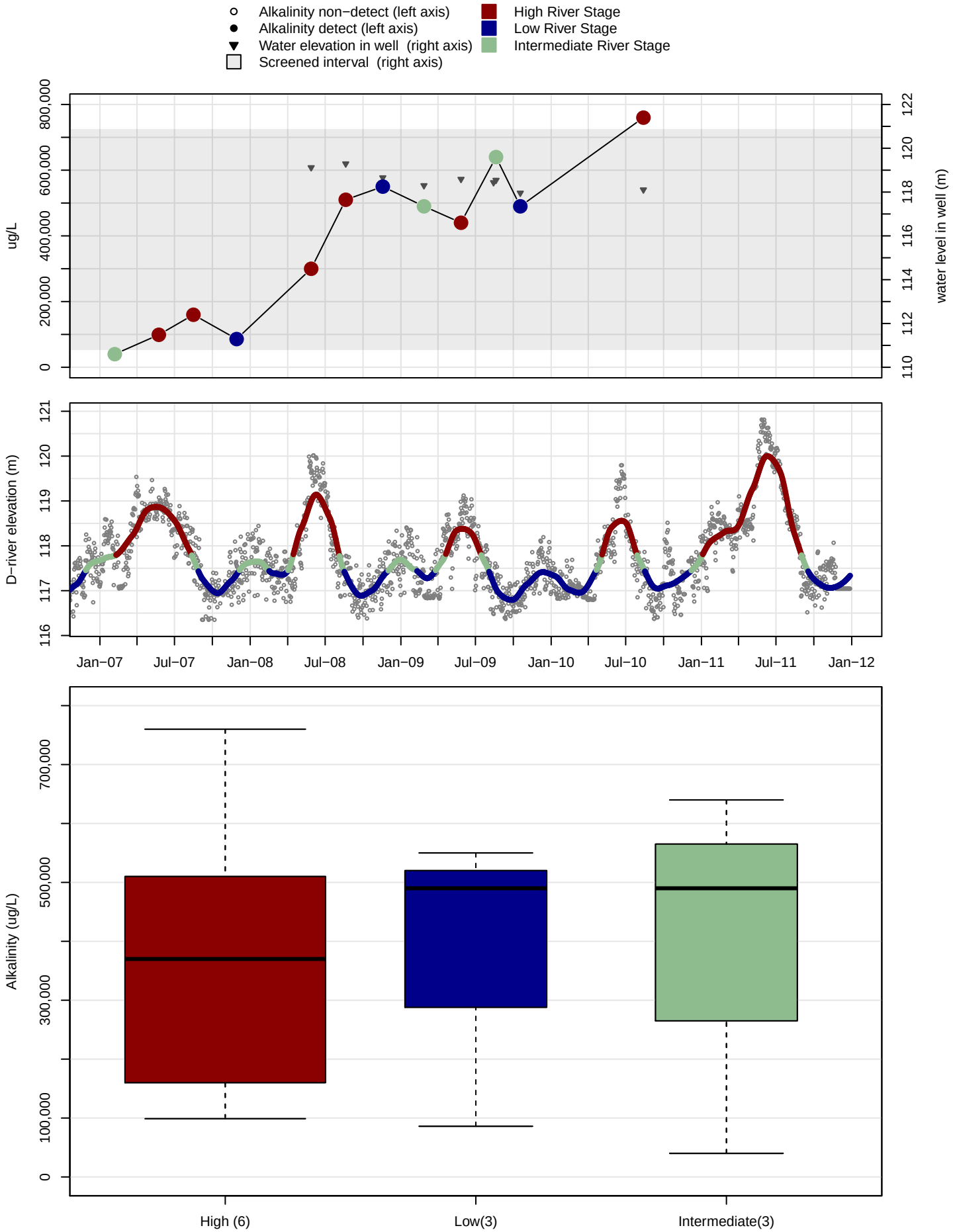
Mann Whitney p = 3.03e−02 t−test p = 6.62e−02

199−K−134 (298m) Lag (Indeterminate)



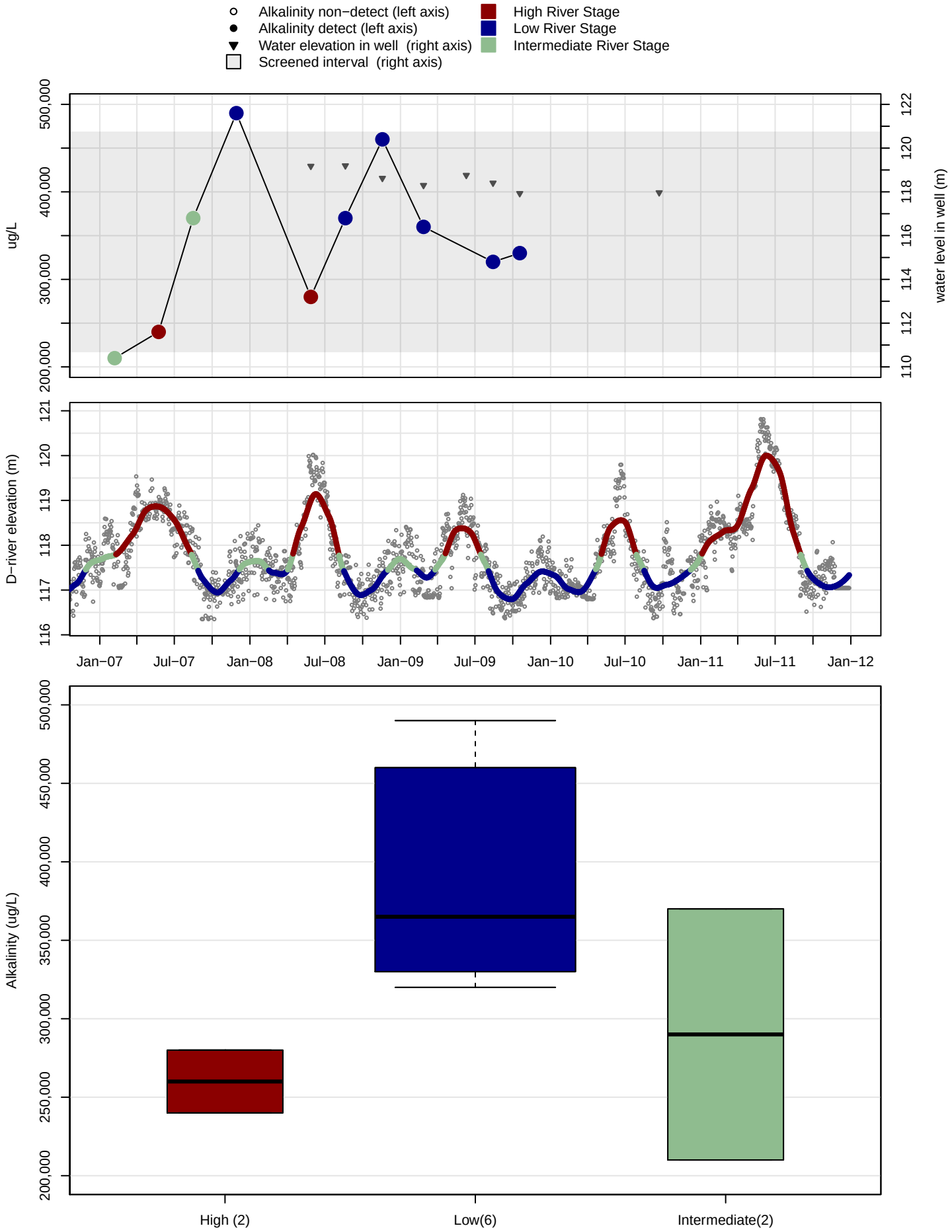
Mann Whitney p = 1.57e−01 t−test p = 7.43e−02

199−K−135 (319m) Lag (22 Days)



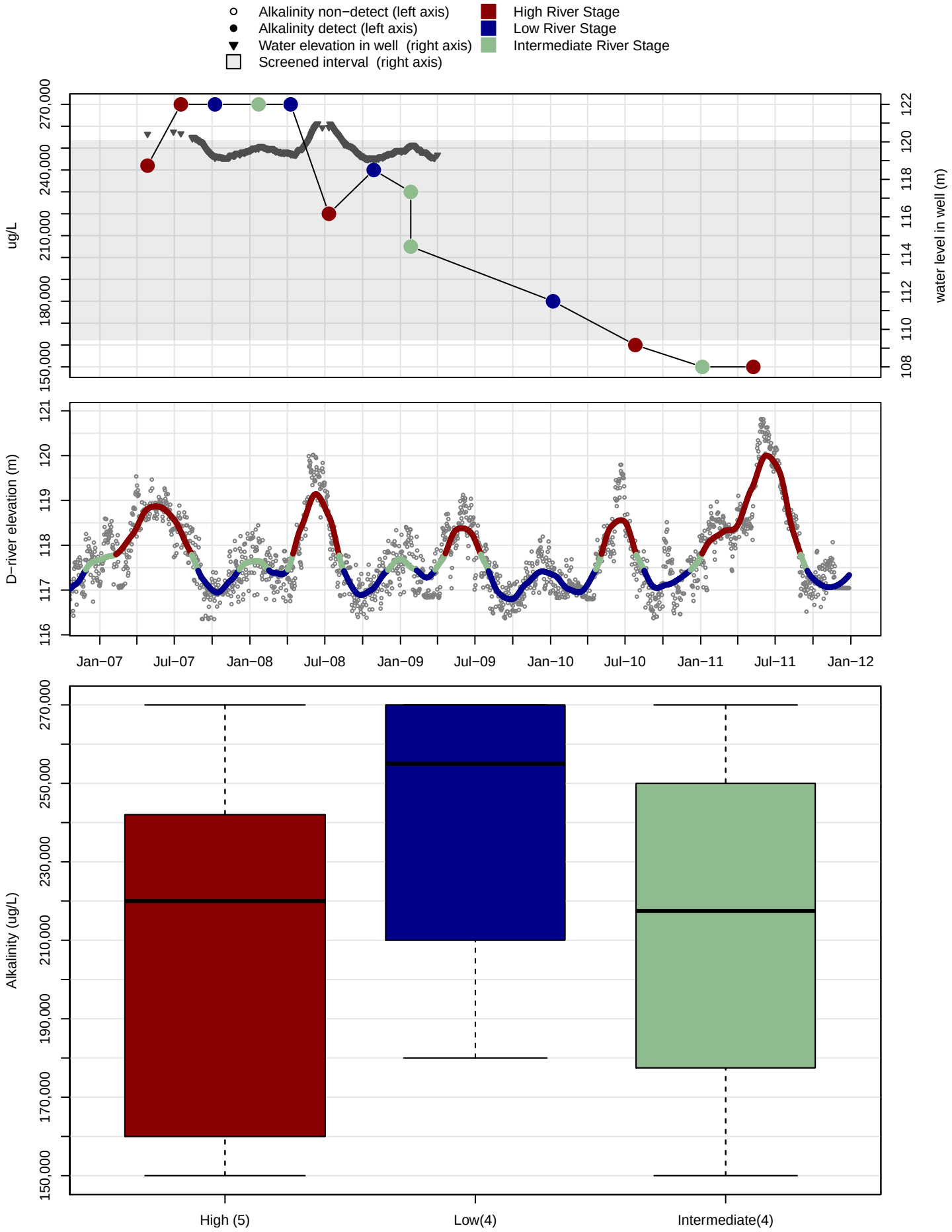
Mann Whitney p = 1e+00 t−test p = 9.88e−01

199−K−136 (281m) Lag (Indeterminate)



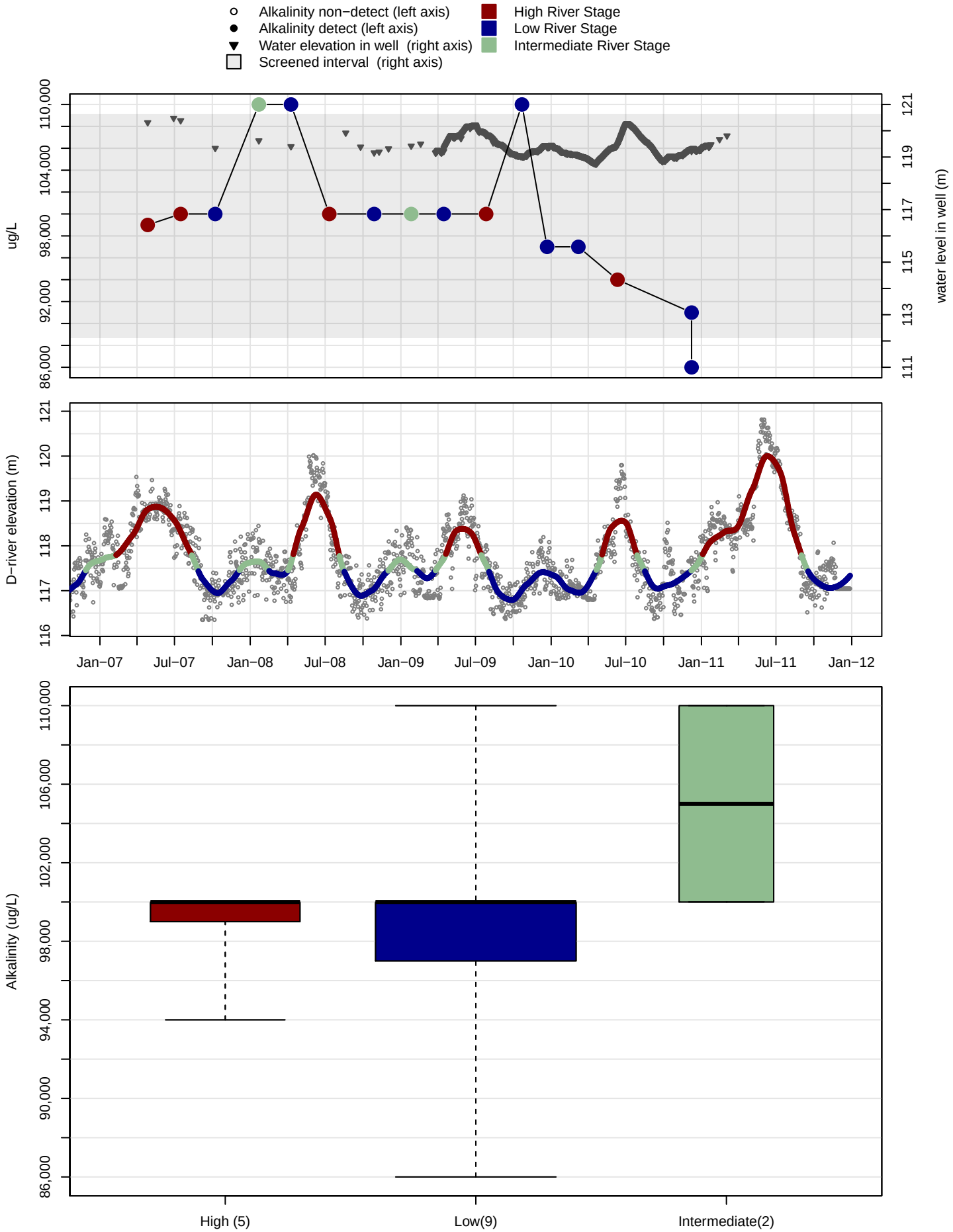
Mann Whitney p = NA t−test p = NA

199−K−141* (366m) Lag (22 Days)



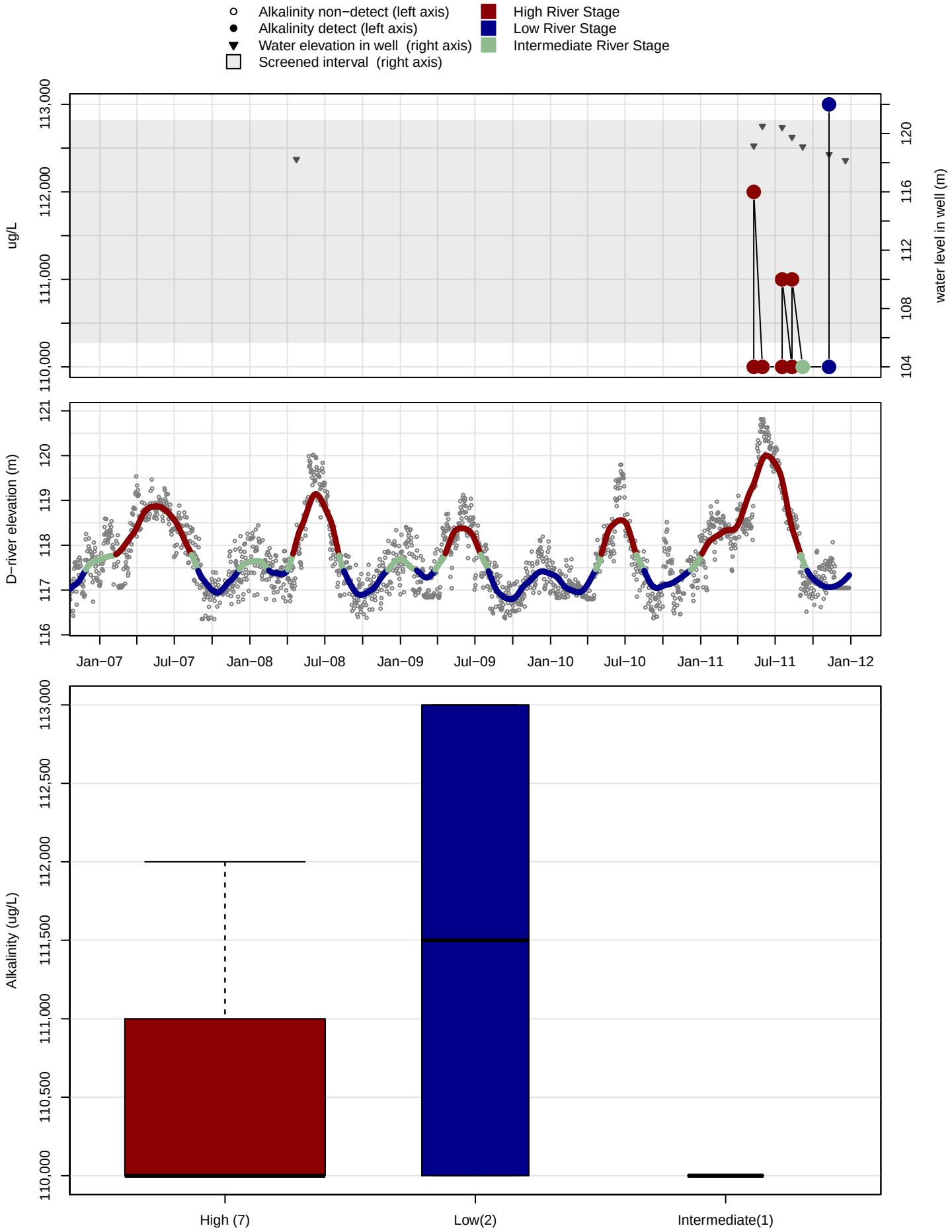
Mann Whitney p = 3.89e−01 t−test p = 3.49e−01

199−K−142 (391m) Lag (25 Days)



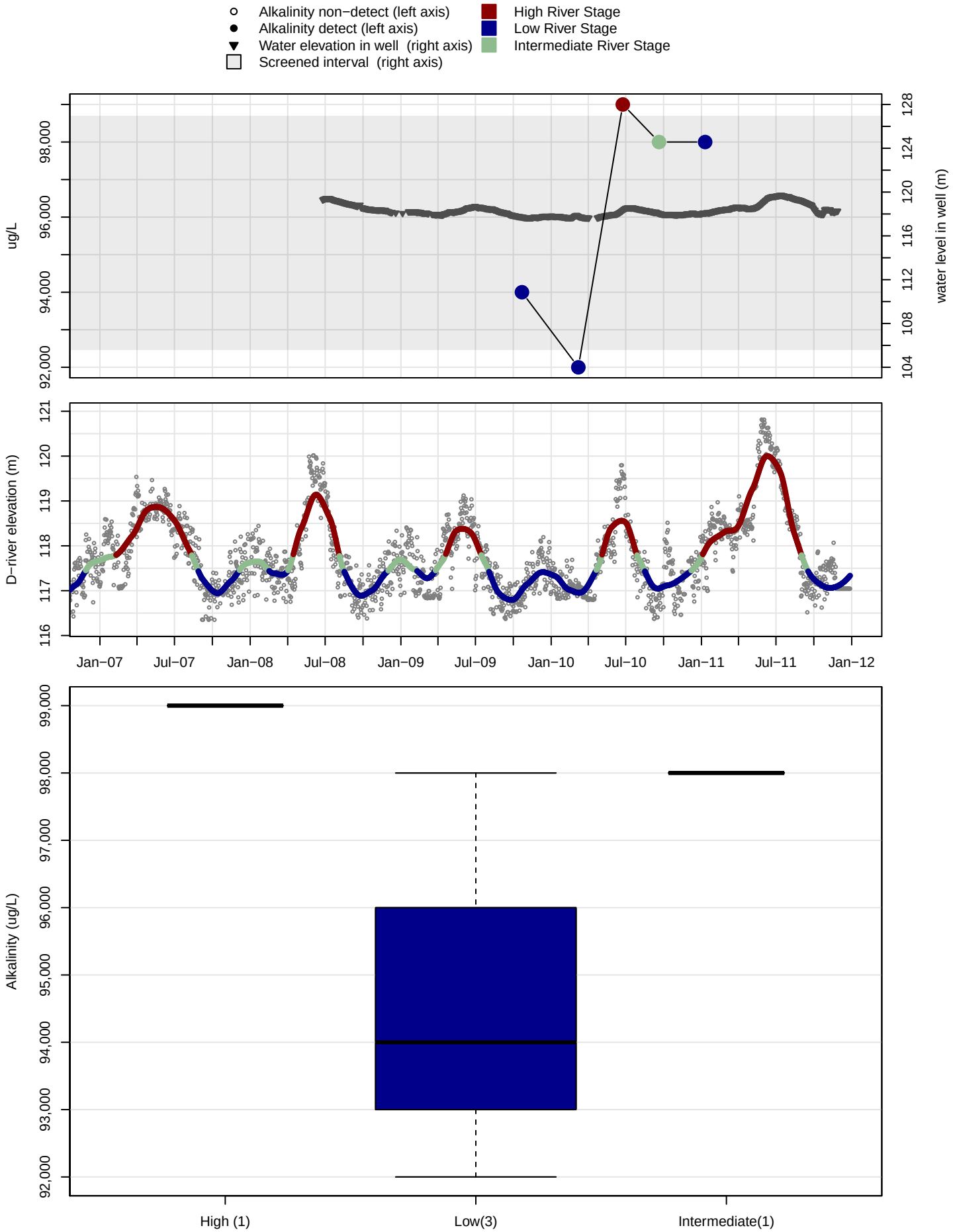
Mann Whitney p = 1e+00 t−test p = 8.91e−01

199−K−150* (88m) Lag (Indeterminate)



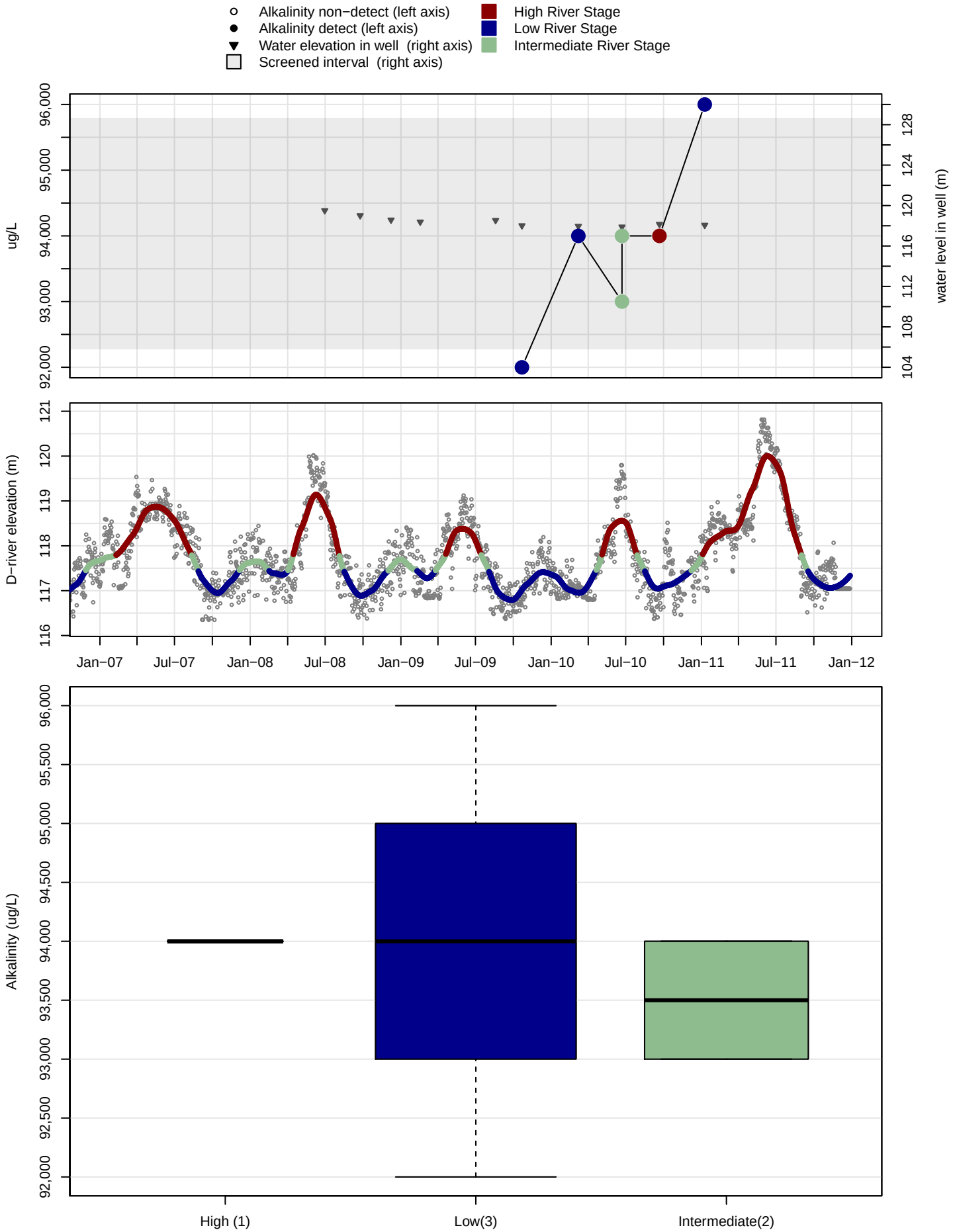
Mann Whitney p = NA t−test p = NA

199−K−151 (461m) Lag (40 Days)



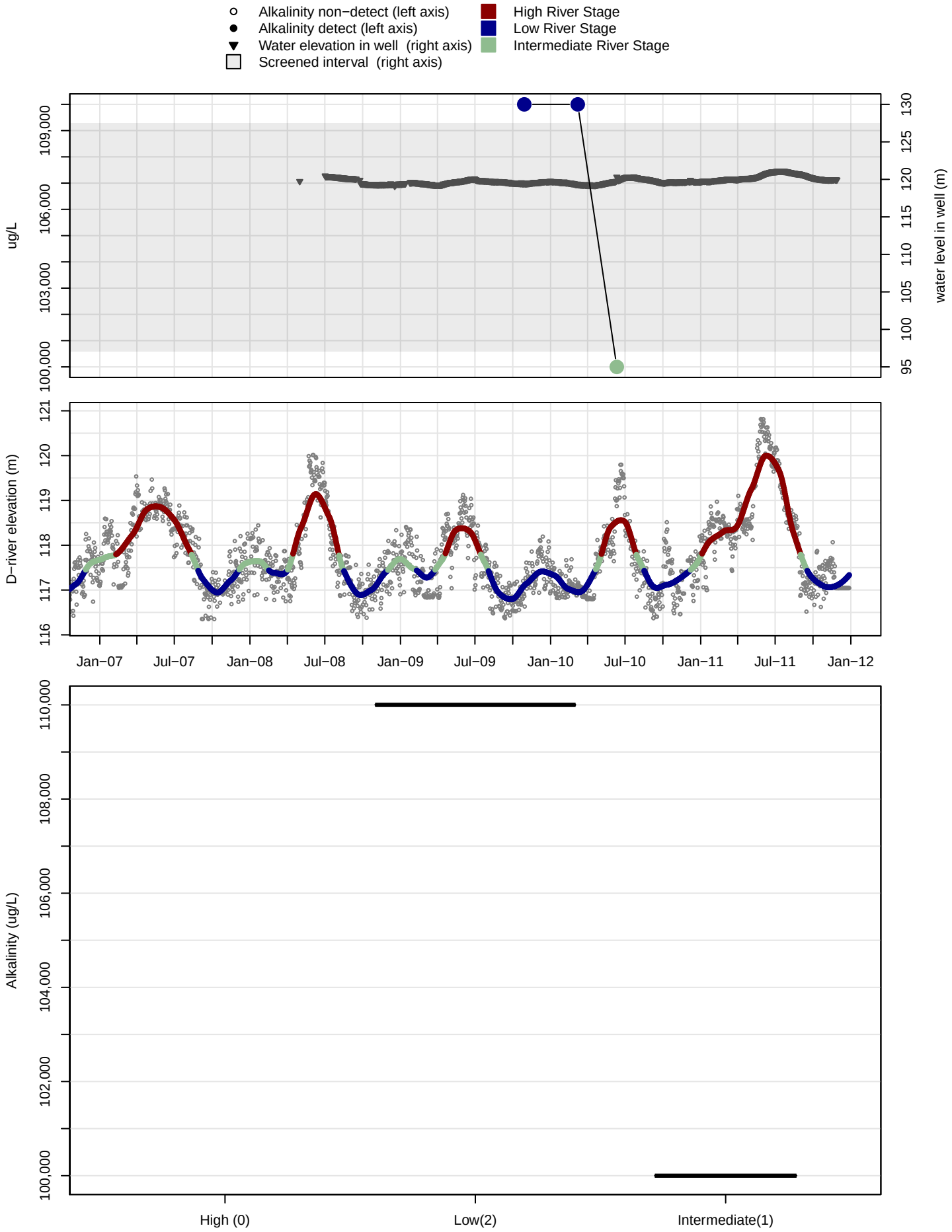
Mann Whitney p = NA t−test p = NA

199−K−152* (373m) Lag (54 Days)



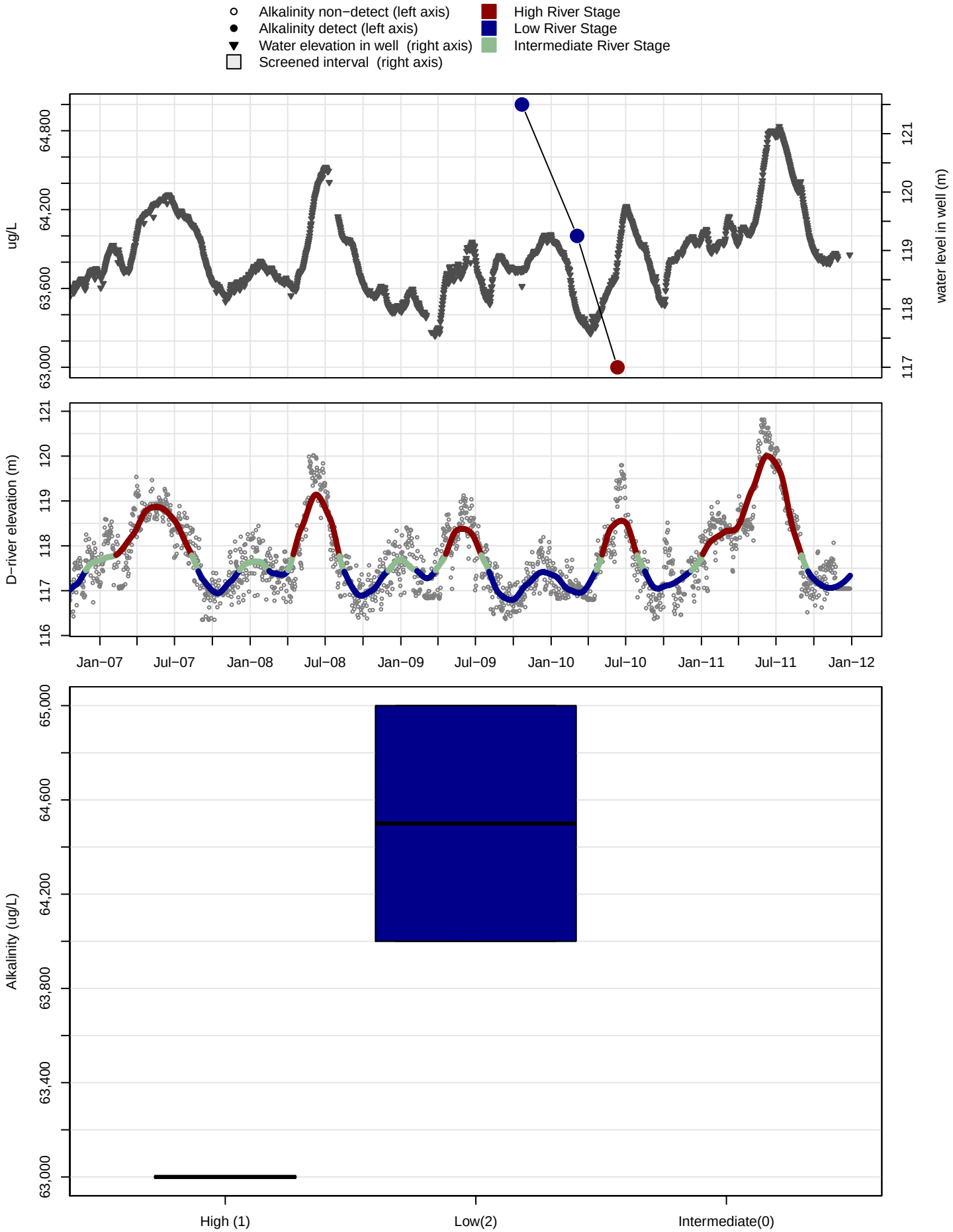
Mann Whitney p = NA t−test p = NA

199−K−157 (445m) Lag (37 Days)



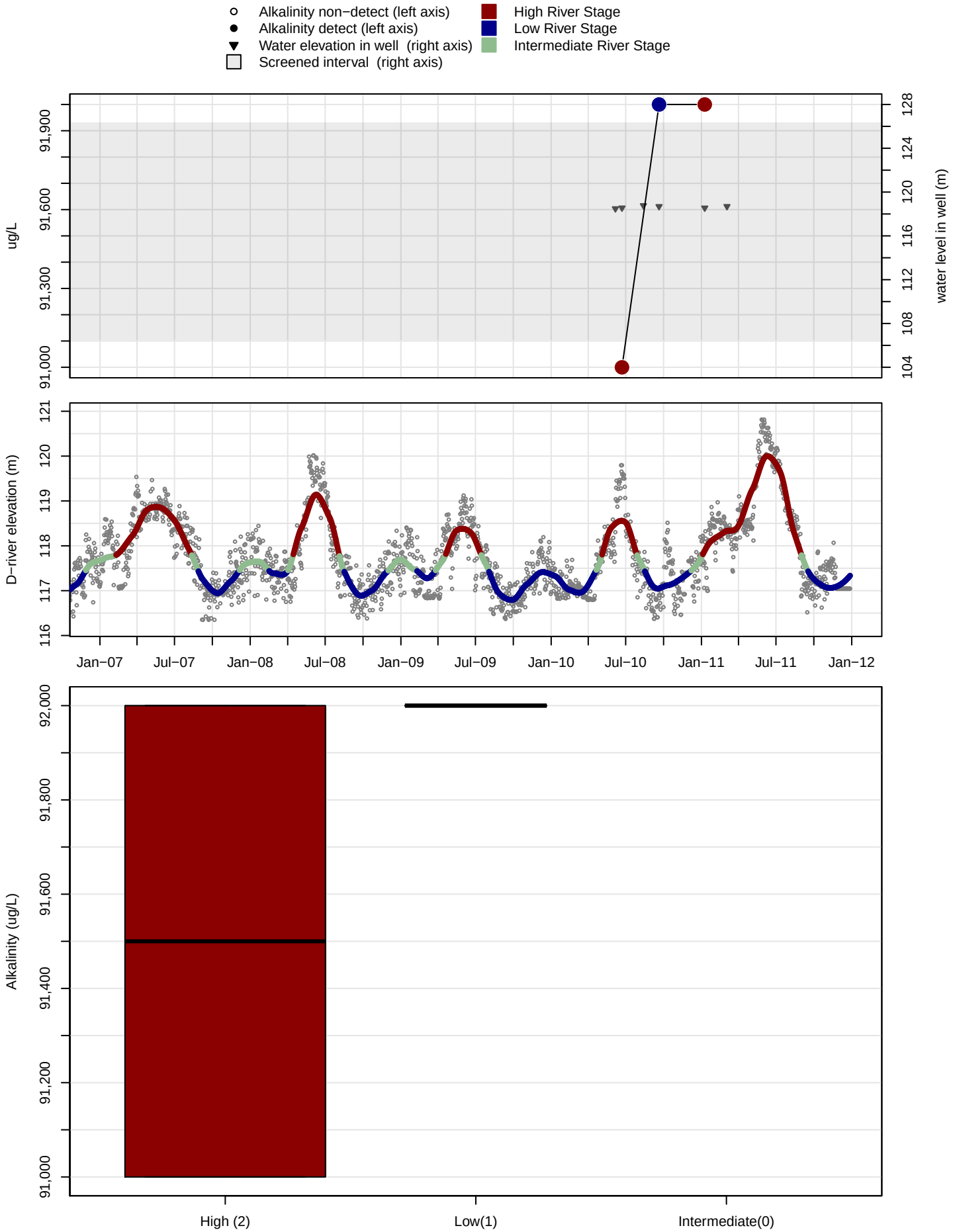
Mann Whitney p = NA t−test p = NA

199−K−18 (235m) Lag (26 Days)



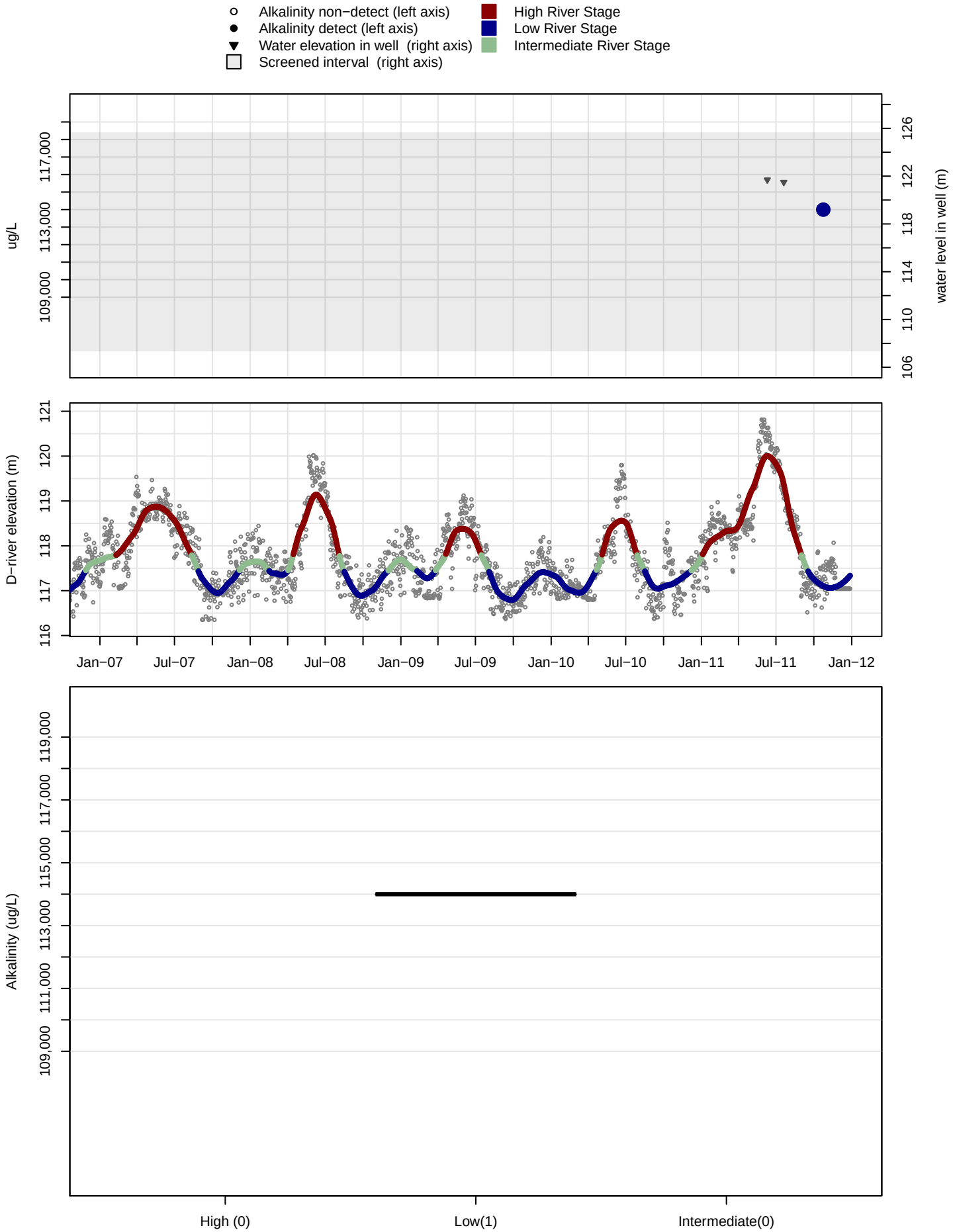
Mann Whitney p = NA t−test p = NA

199−K−182* (866m) Lag (Indeterminate)



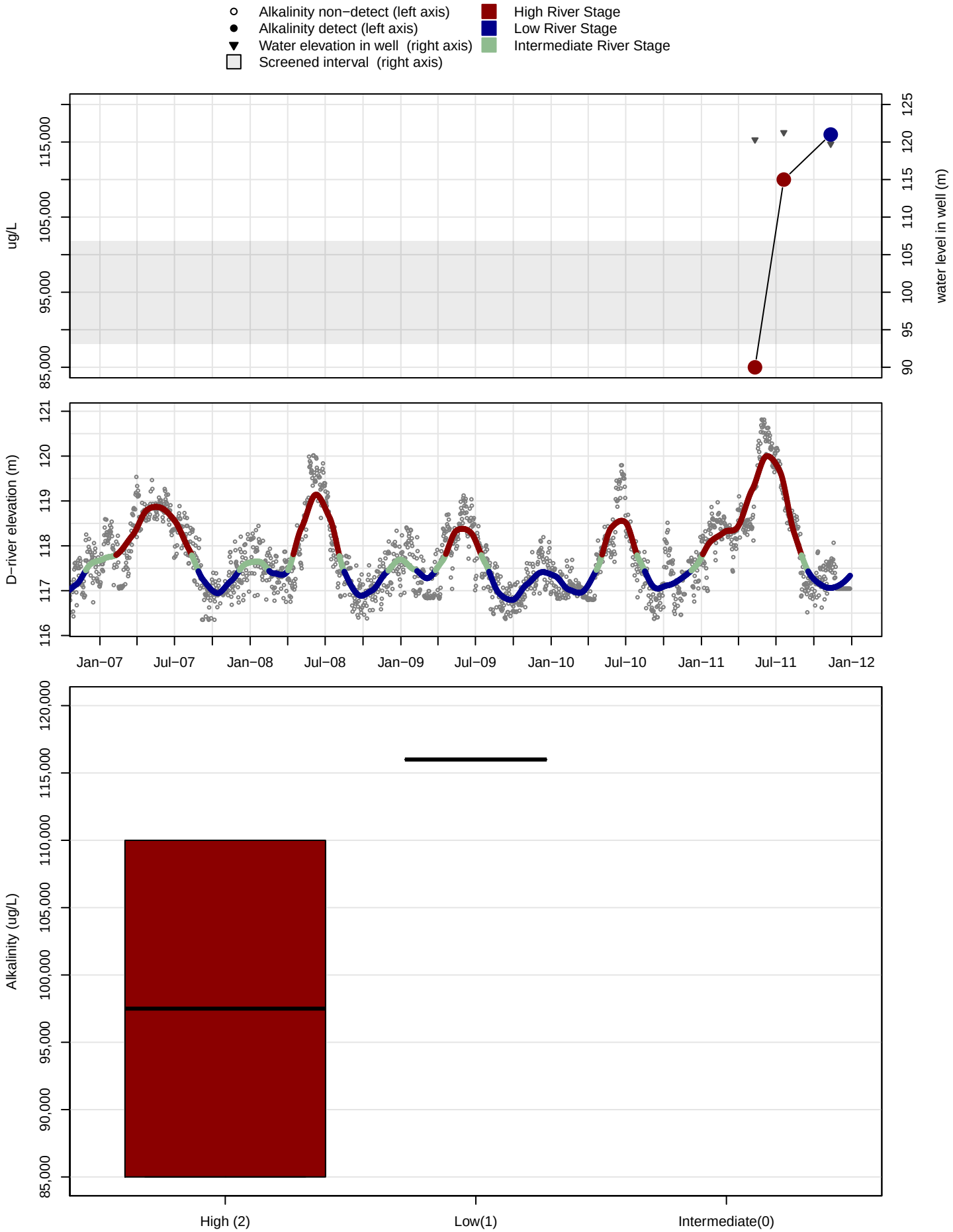
Mann Whitney p = NA t−test p = NA

199−K−183 (244m) Lag (Indeterminate)



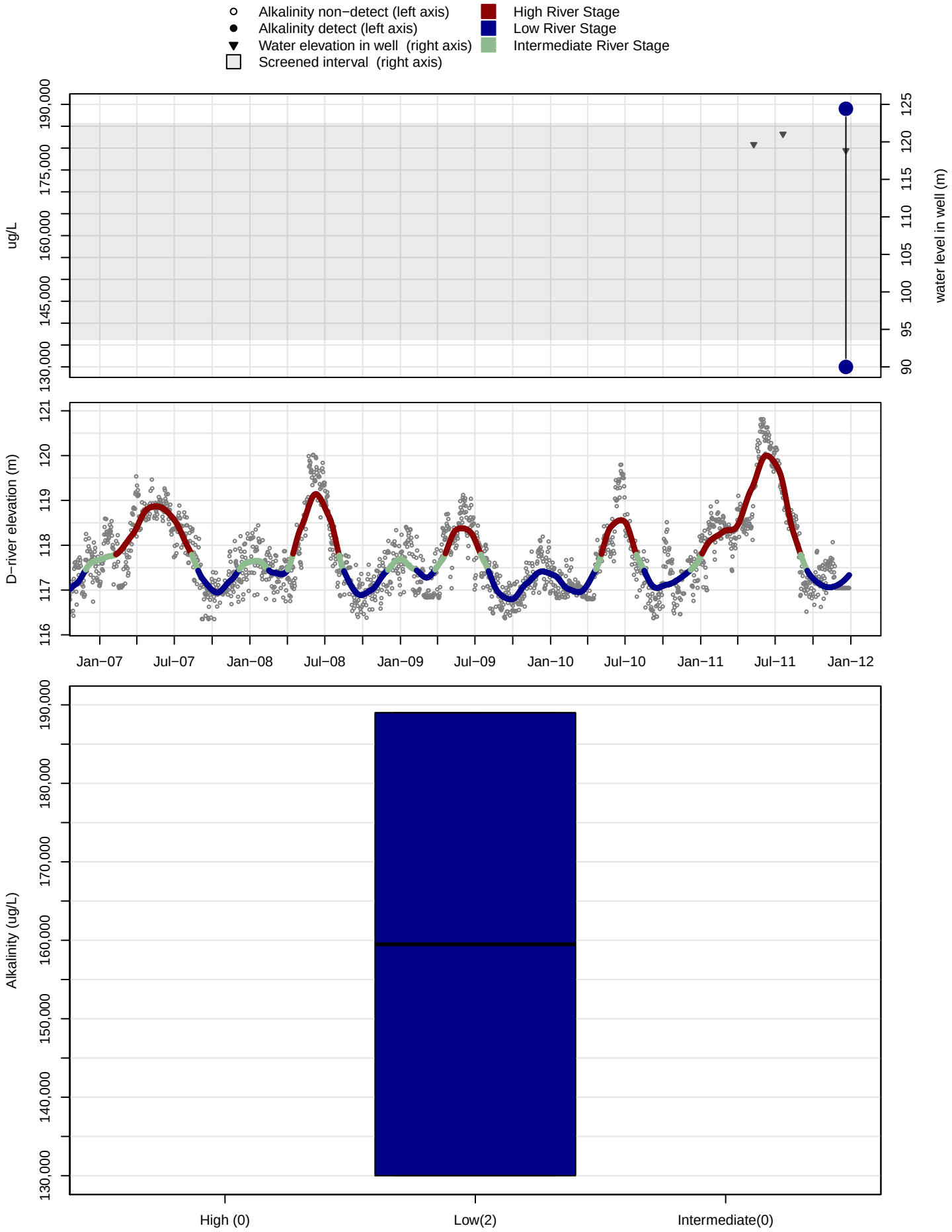
Mann Whitney p = NA t−test p = NA

199−K−184 (487m) Lag (Indeterminate)



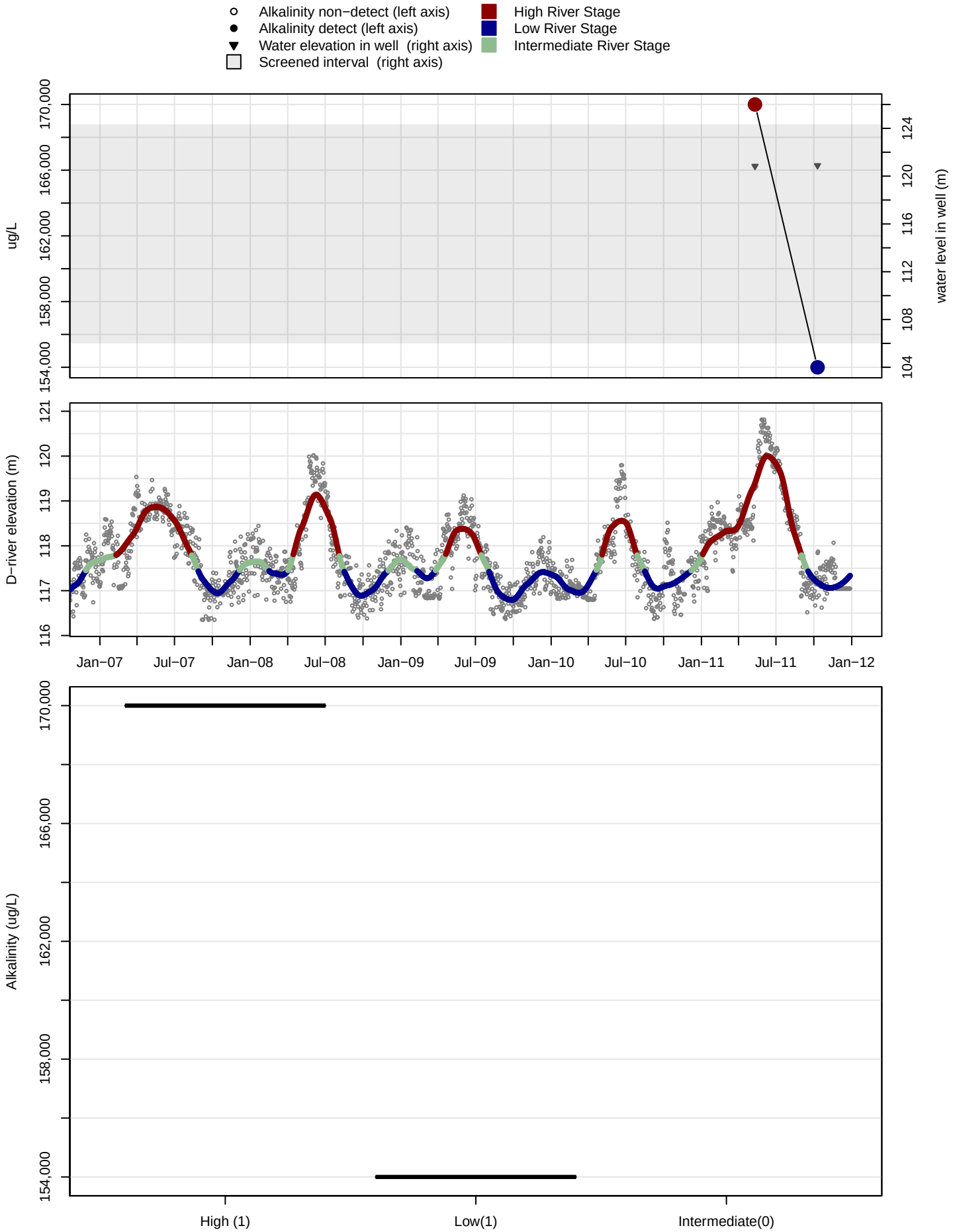
Mann Whitney p = NA t−test p = NA

199−K−185 (182m) Lag (Indeterminate)



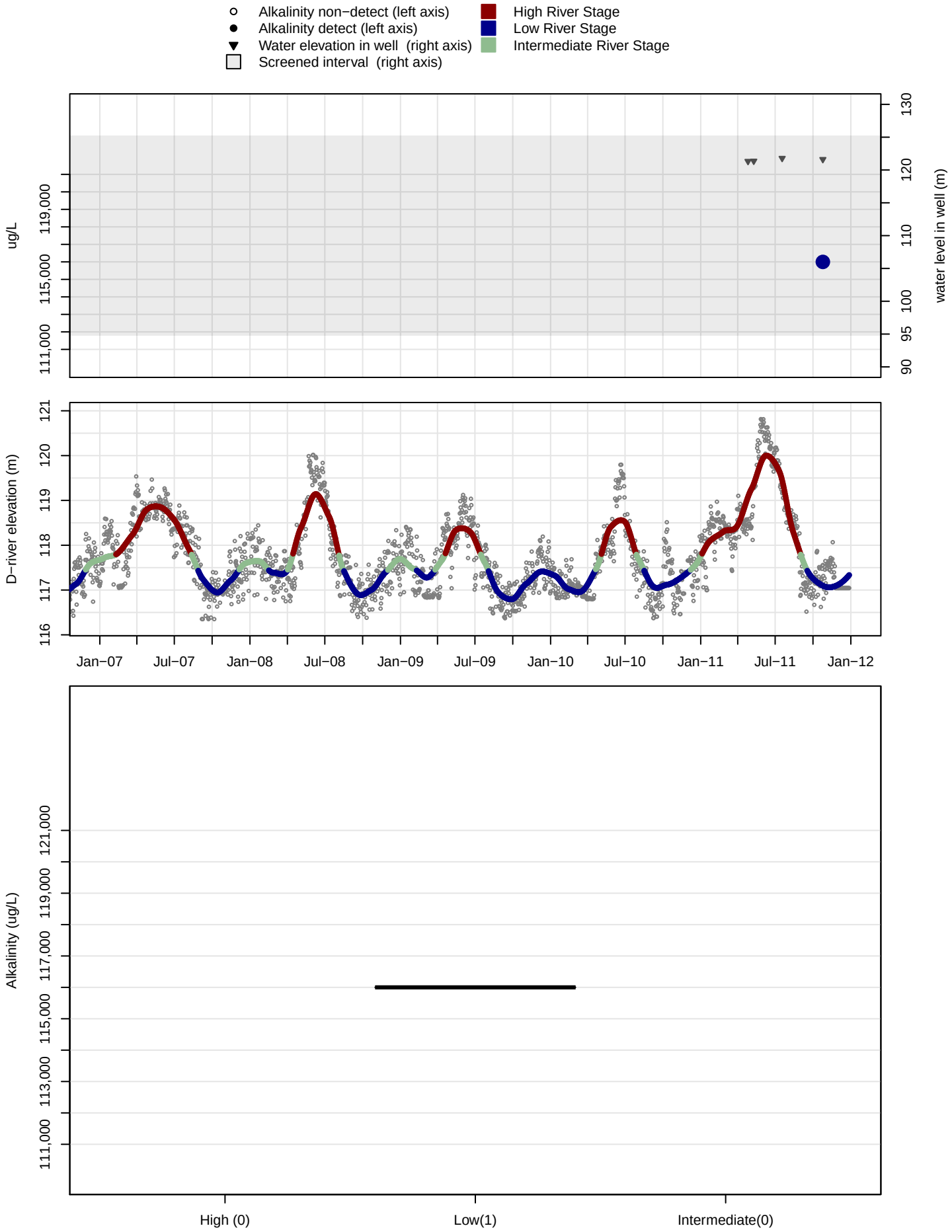
Mann Whitney p = NA t−test p = NA

199−K−186 (634m) Lag (Indeterminate)



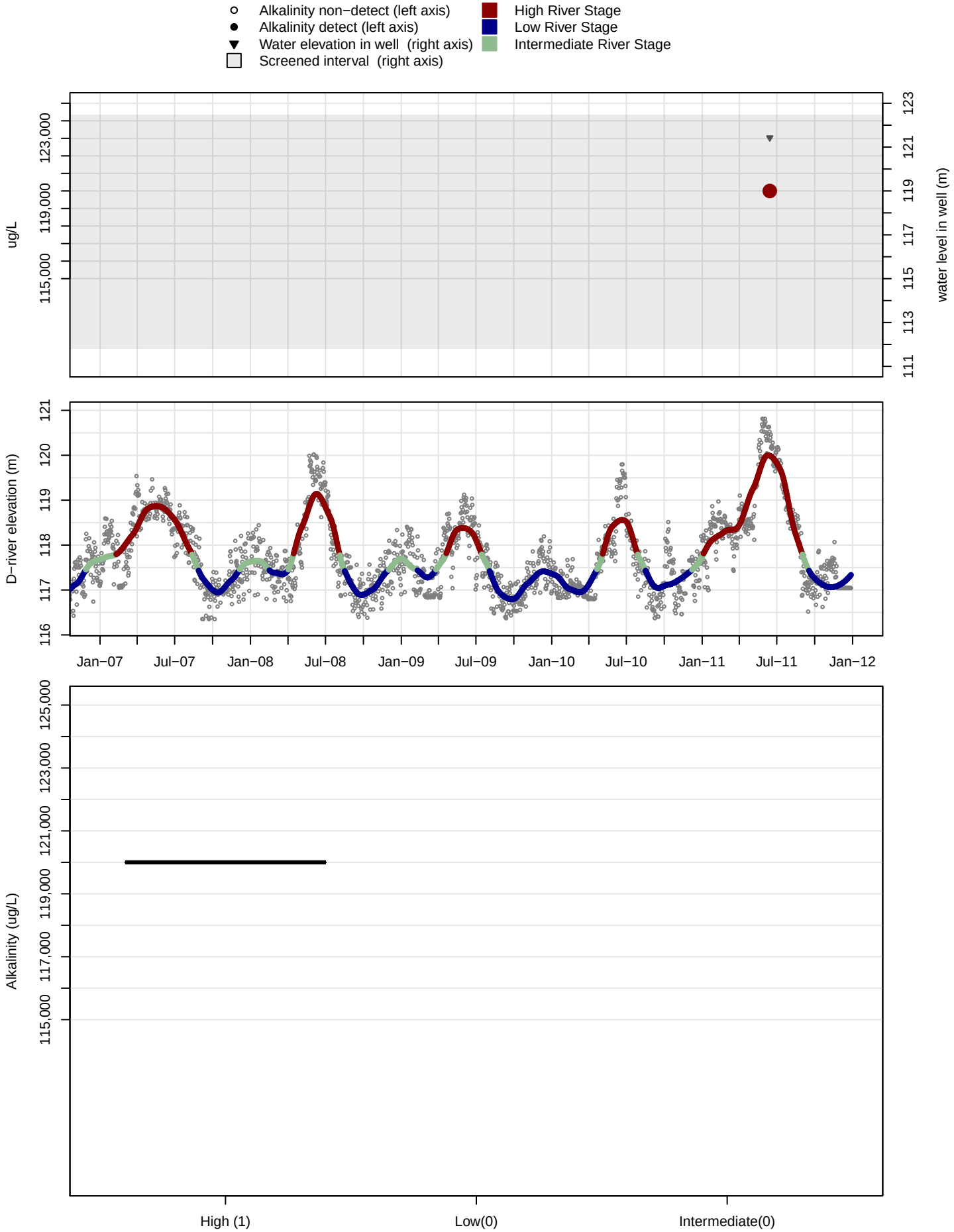
Mann Whitney p = NA t−test p = NA

199−K−187 (1257m) Lag (Indeterminate)



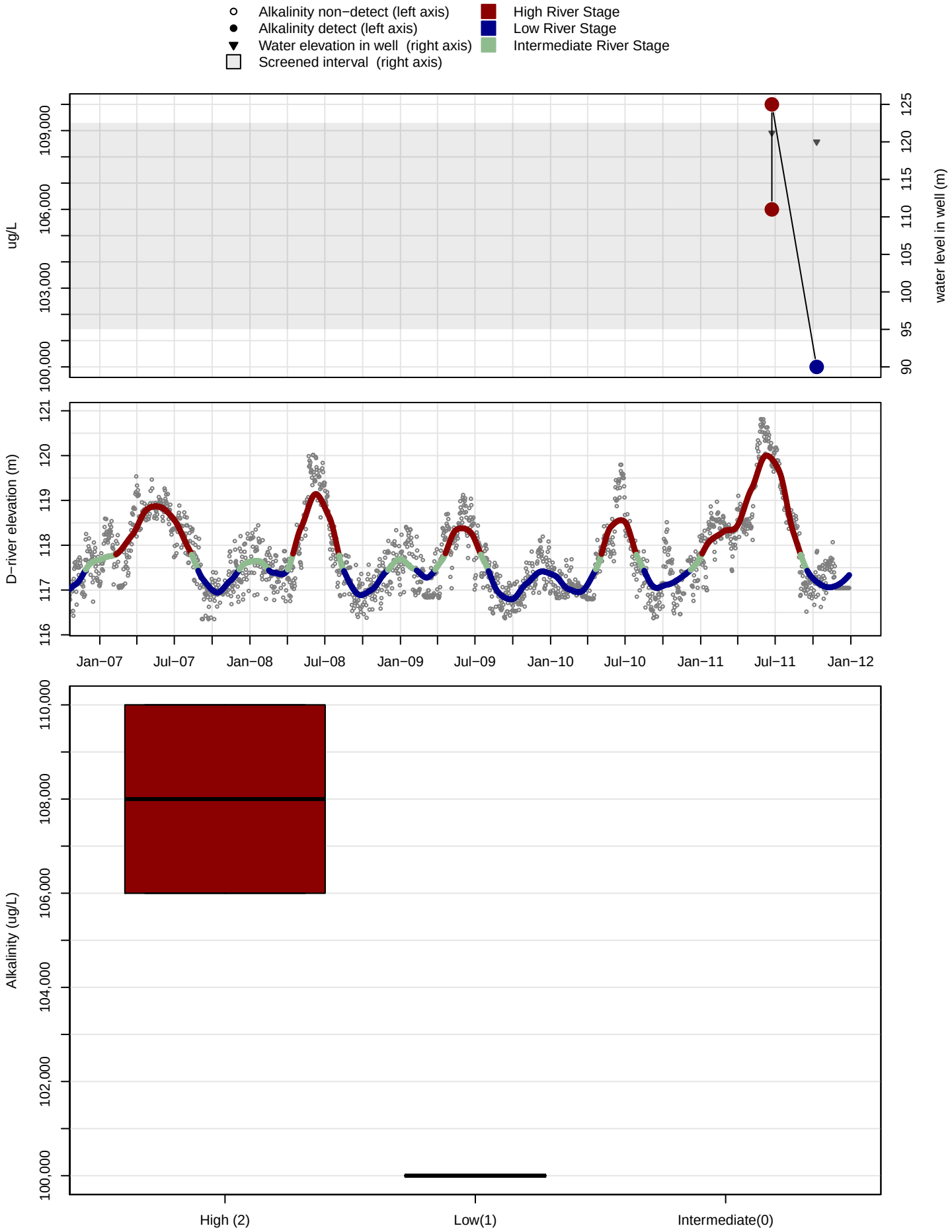
Mann Whitney p = NA t−test p = NA

199−K−188 (942m) Lag (Indeterminate)



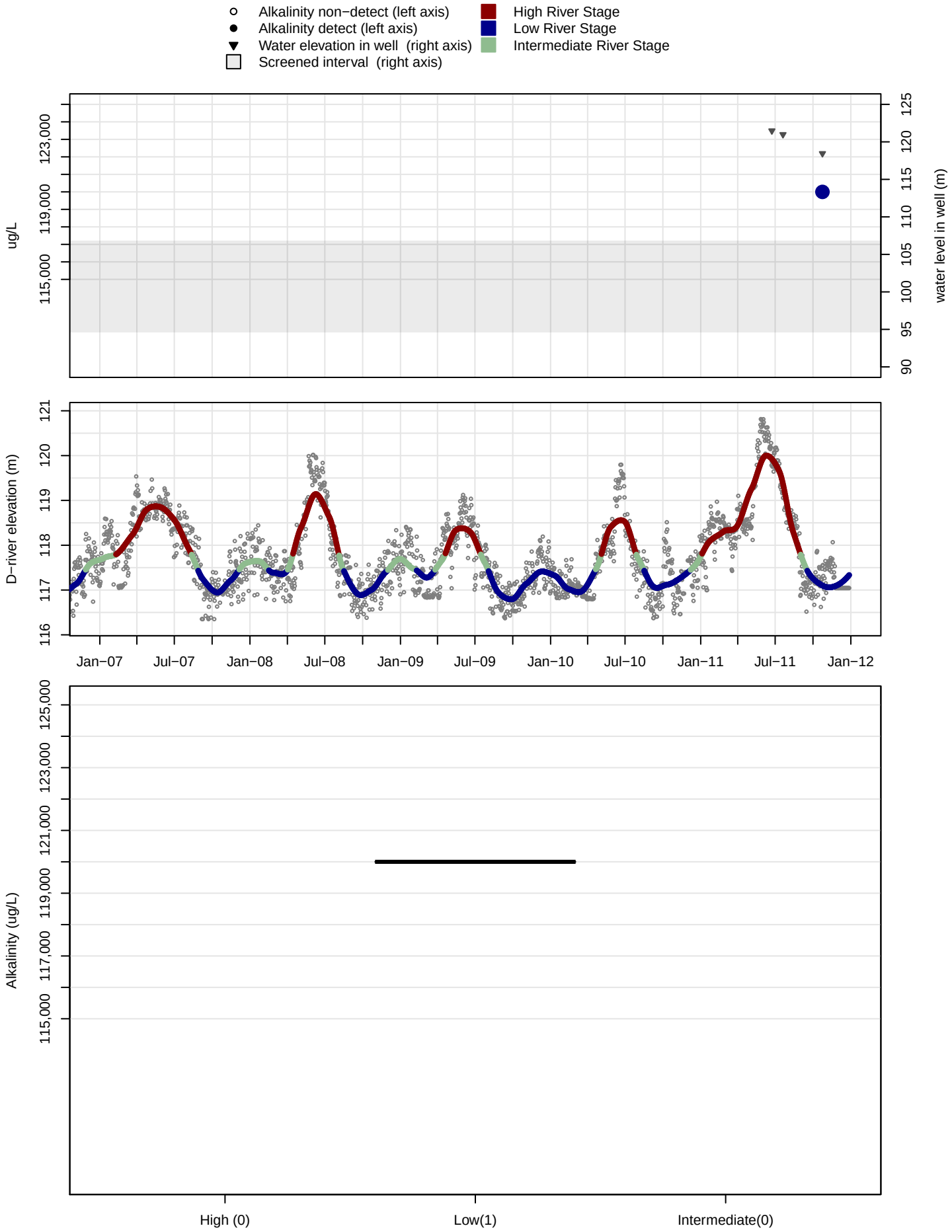
Mann Whitney p = NA t−test p = NA

199−K−189 (467m) Lag (Indeterminate)



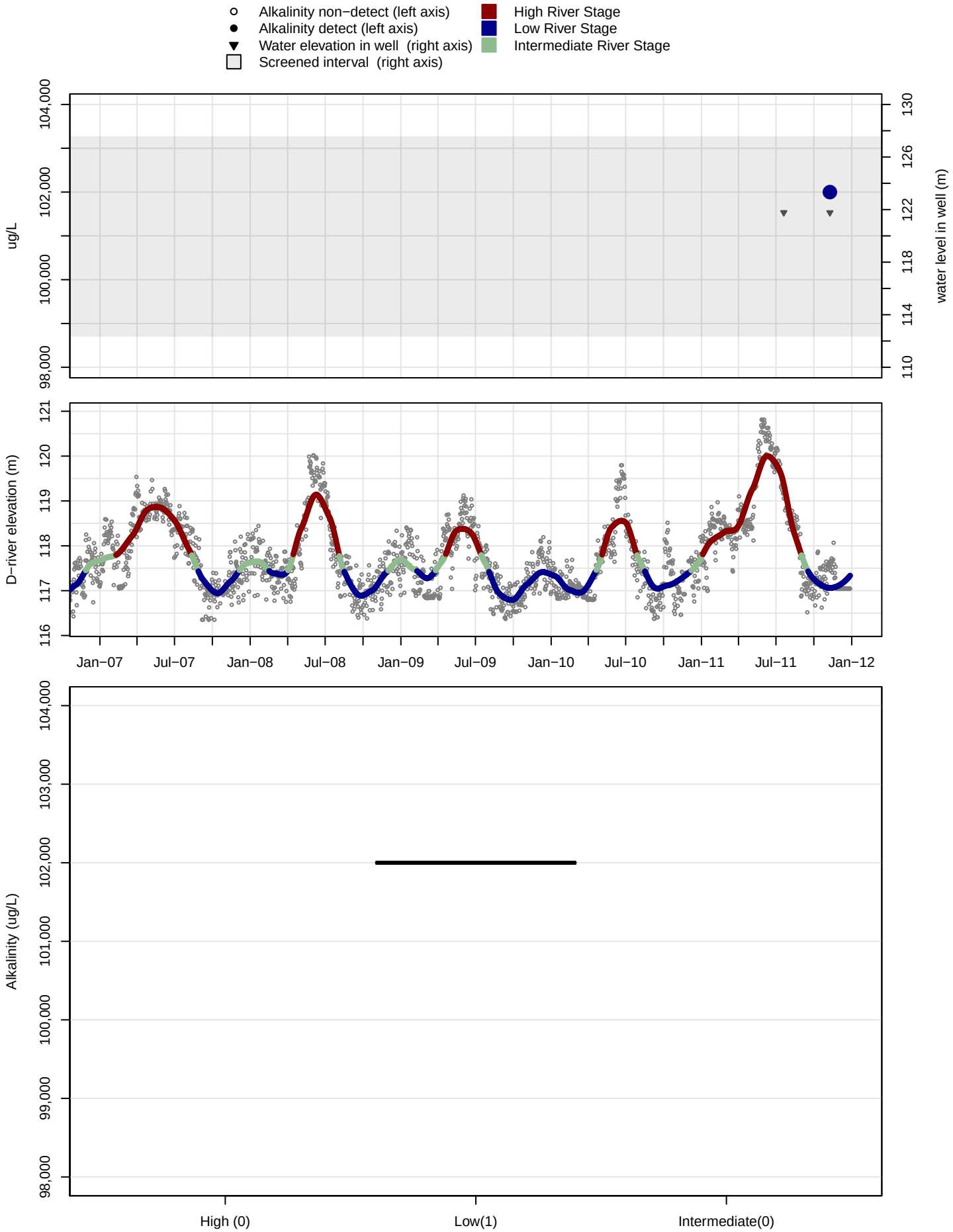
Mann Whitney p = NA t−test p = NA

199−K−190 (211m) Lag (Indeterminate)



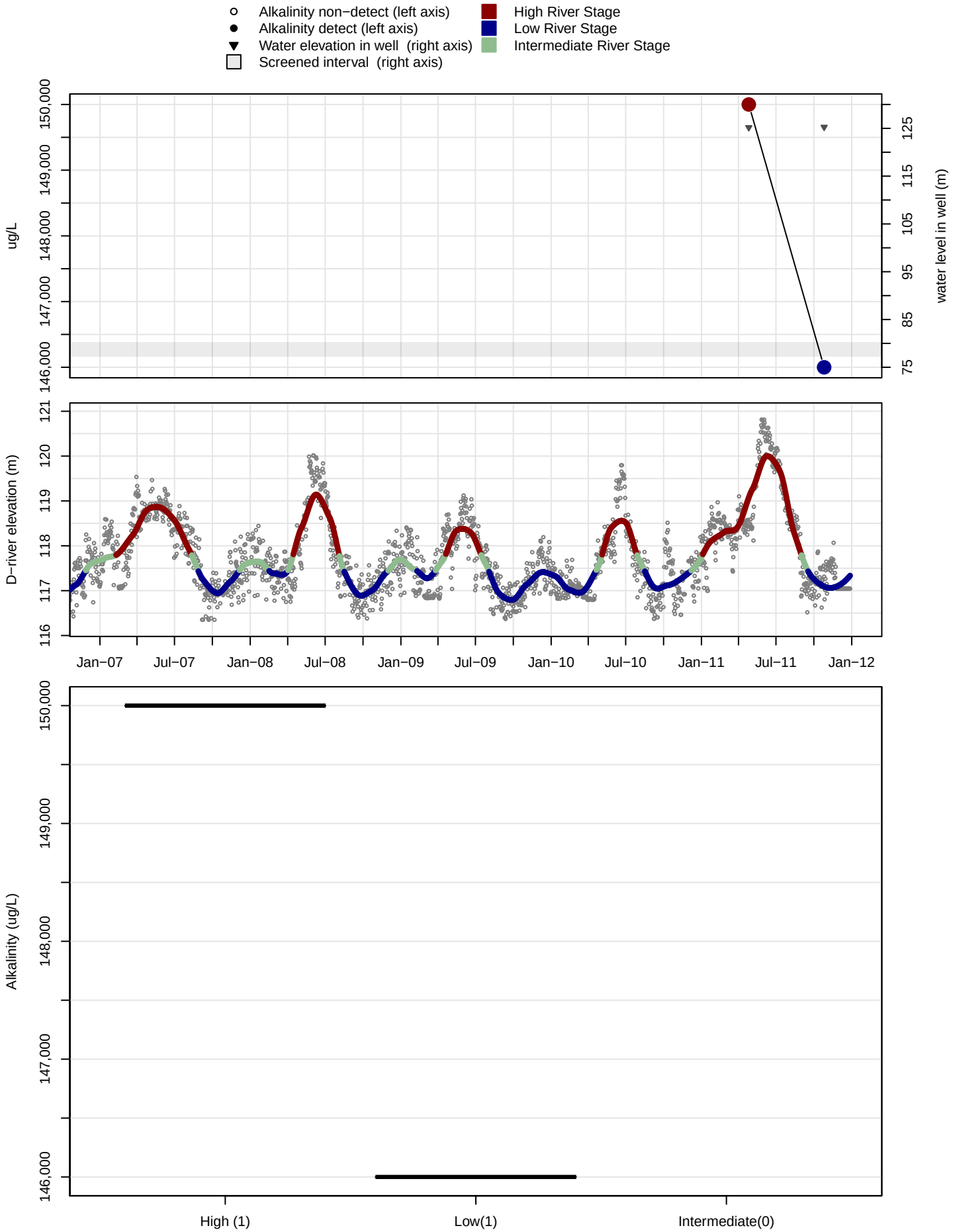
Mann Whitney p = NA t−test p = NA

199−K−191 (834m) Lag (Indeterminate)



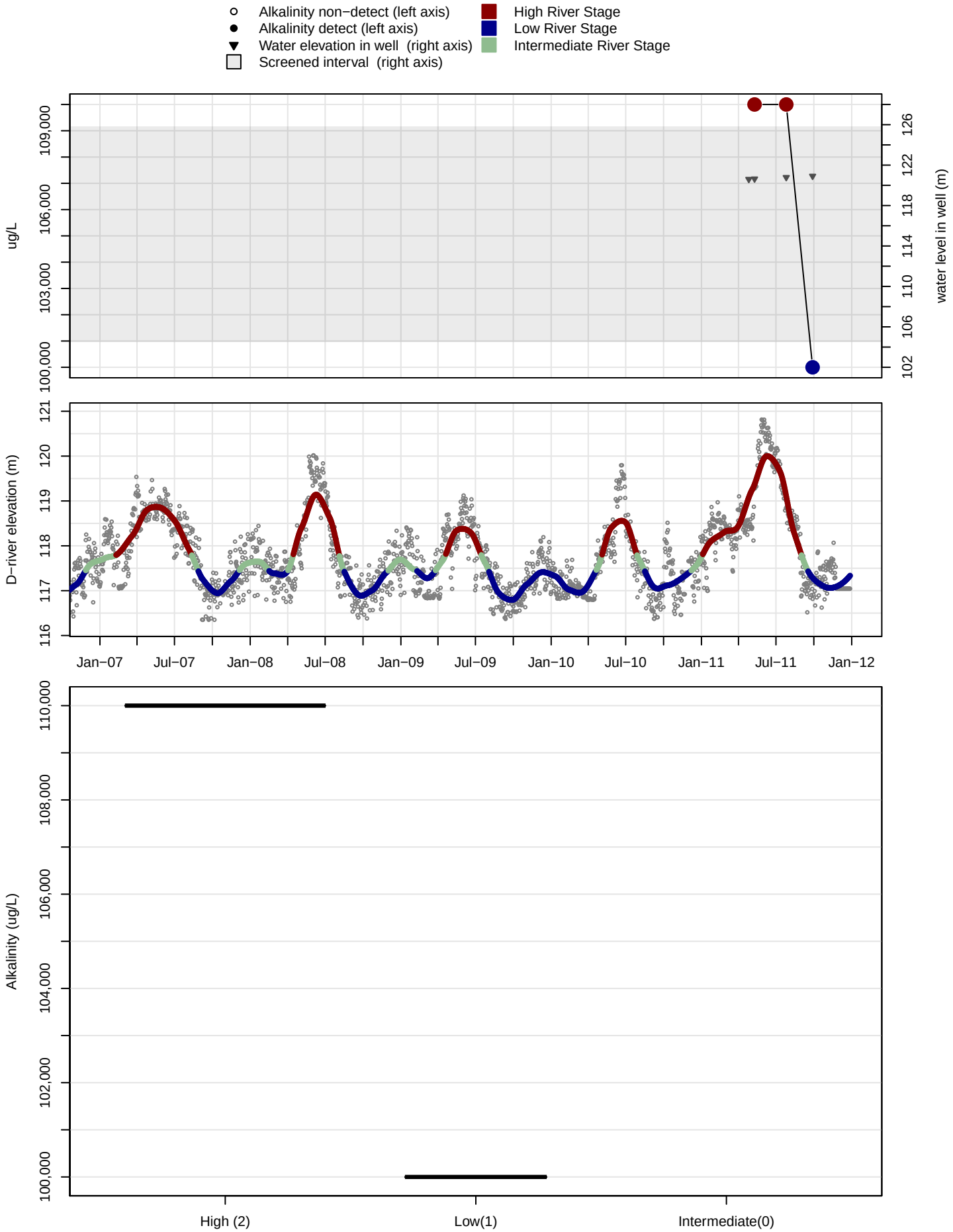
Mann Whitney p = NA t−test p = NA

199−K−192 (334m) Lag (Indeterminate)



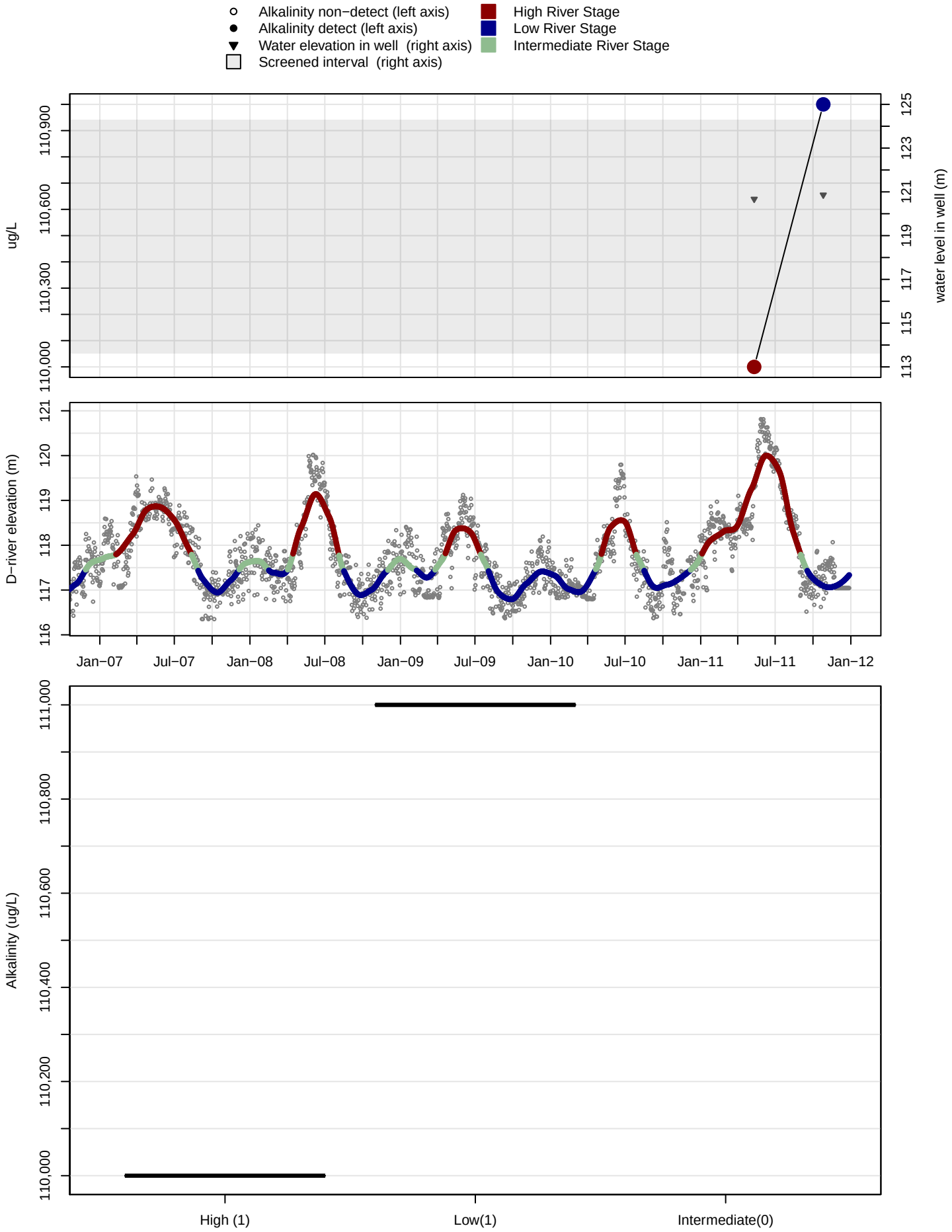
Mann Whitney p = NA t−test p = NA

199−K−193 (1443m) Lag (Indeterminate)



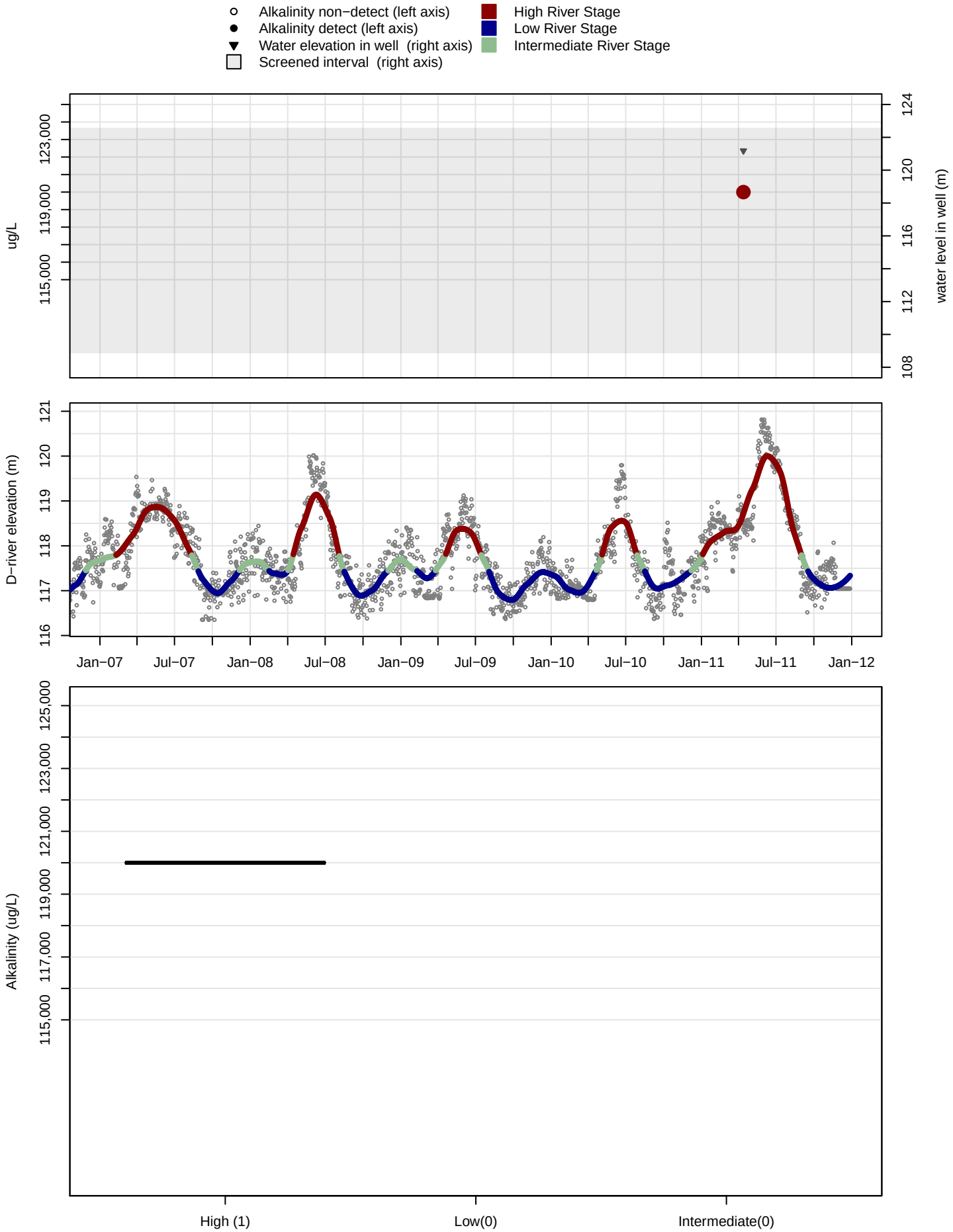
Mann Whitney p = NA t−test p = NA

199−K−194 (1666m) Lag (Indeterminate)



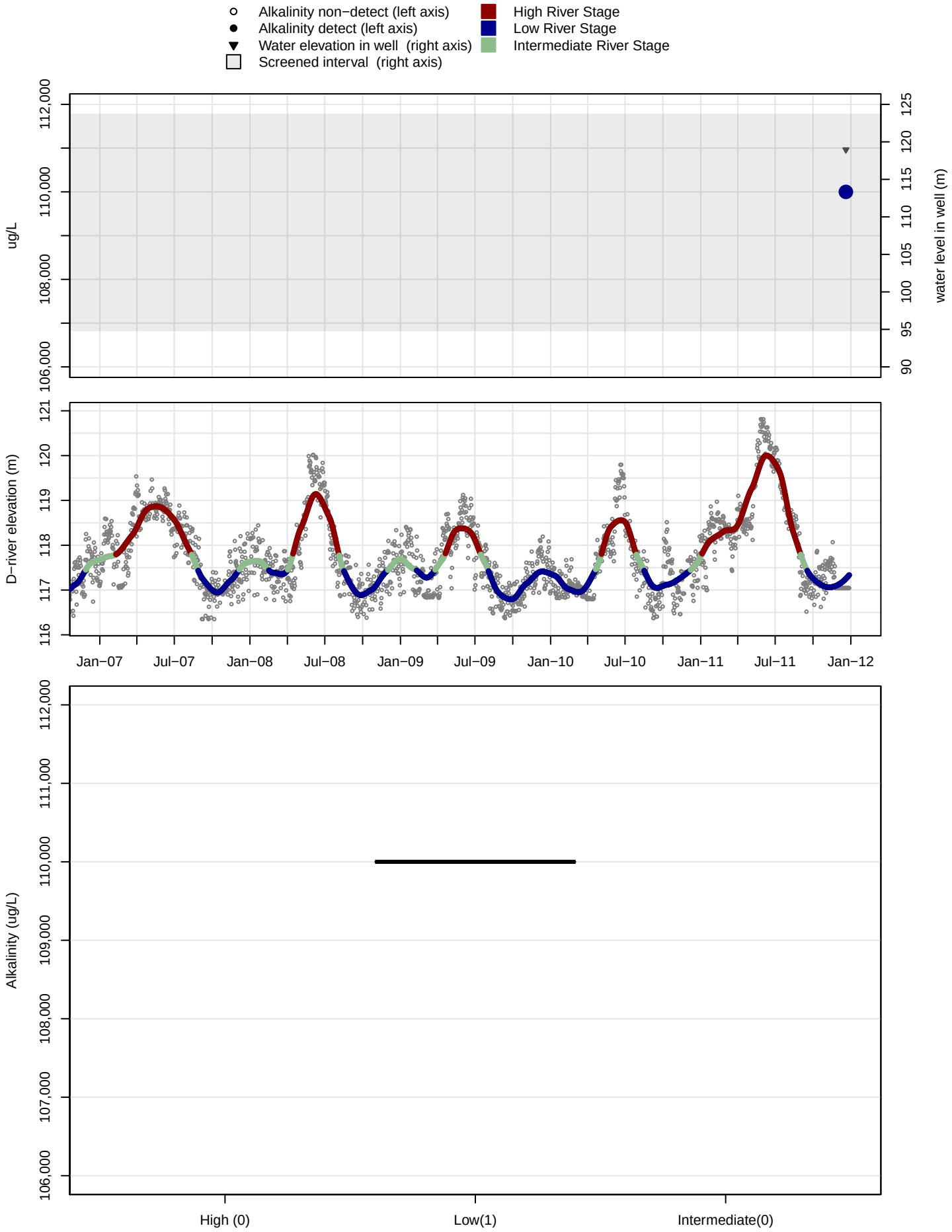
Mann Whitney p = NA t−test p = NA

199−K−195 (850m) Lag (Indeterminate)



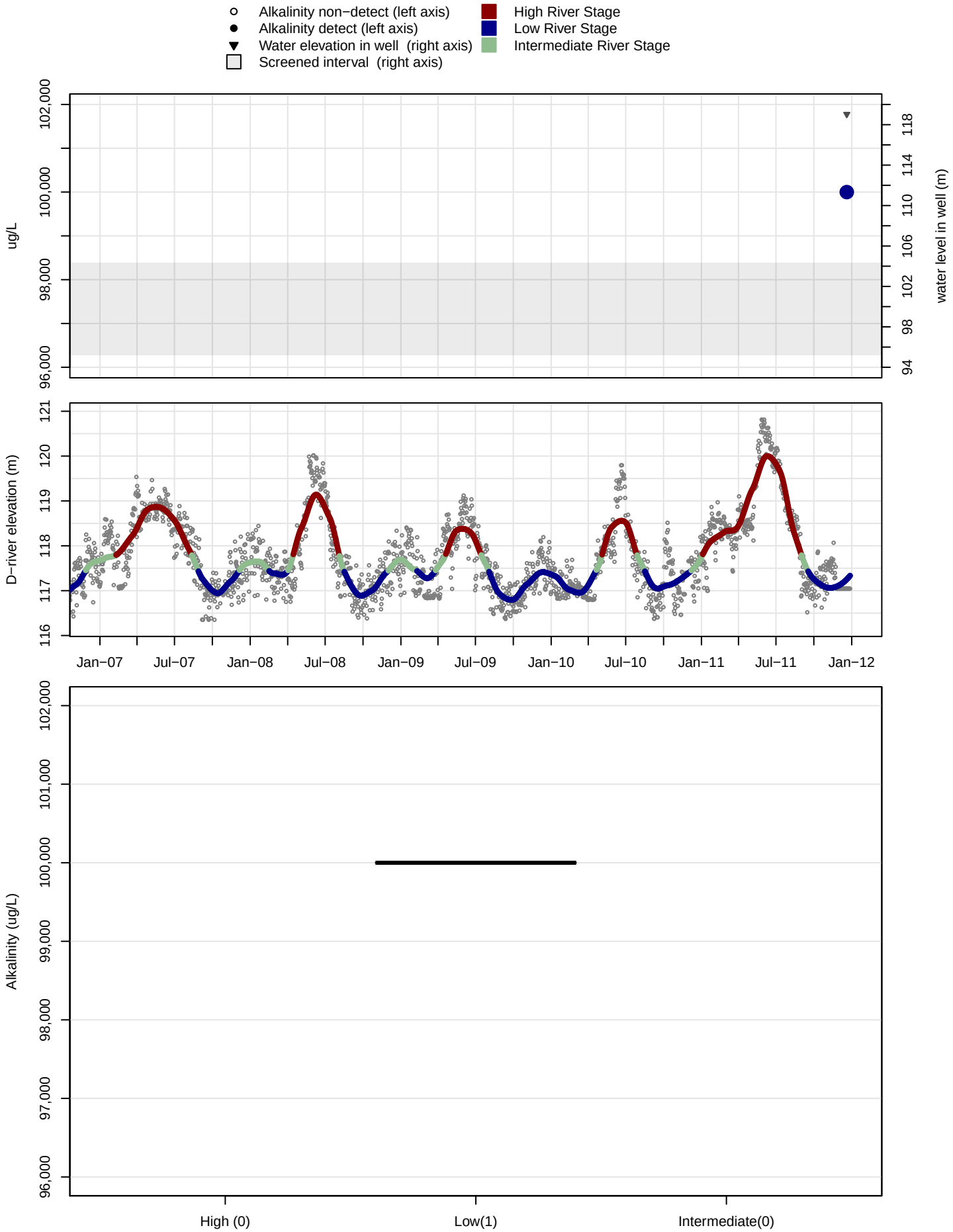
Mann Whitney p = NA t−test p = NA

199−K−196 (168m) Lag (Indeterminate)



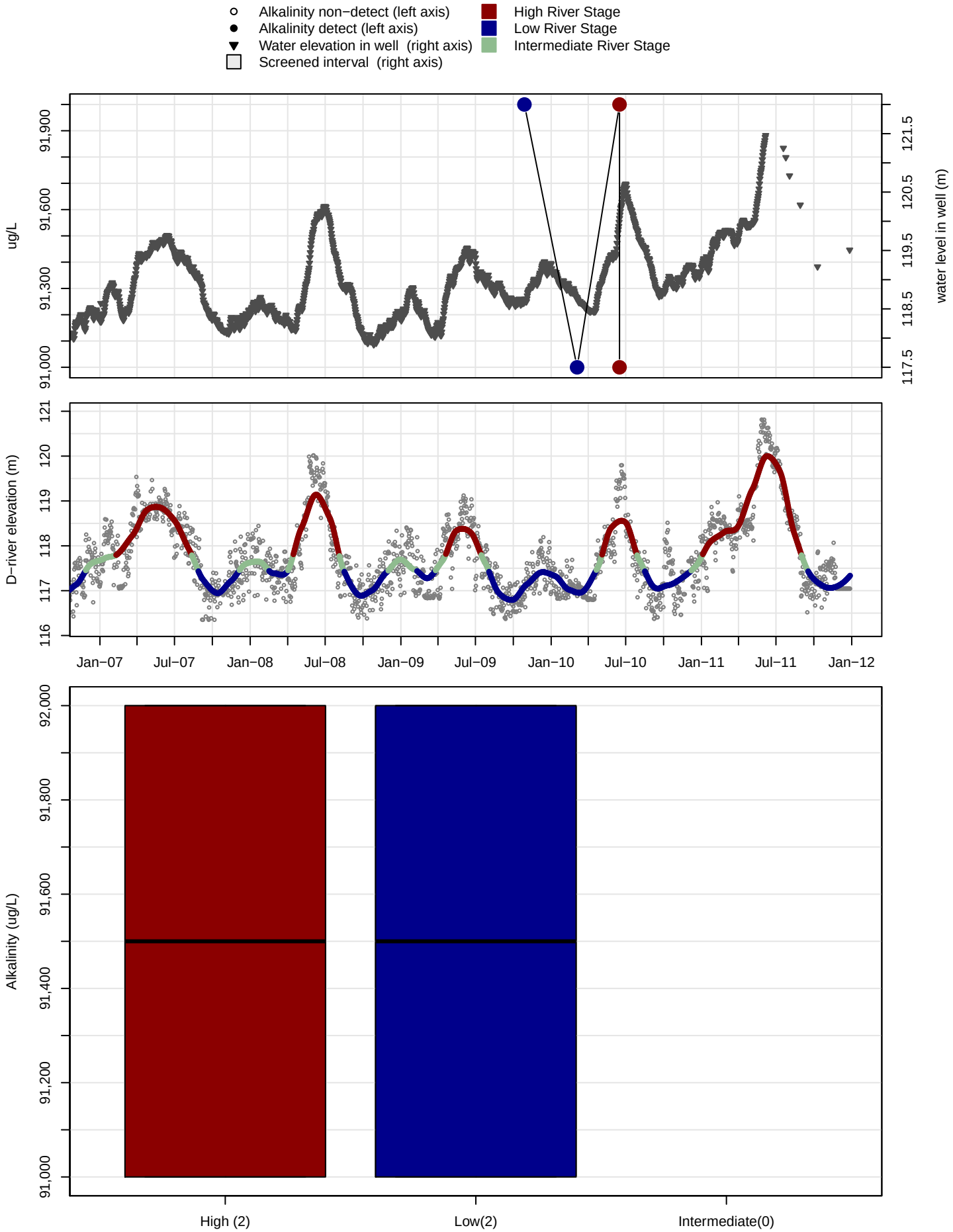
Mann Whitney p = NA t−test p = NA

199−K−197 (139m) Lag (Indeterminate)



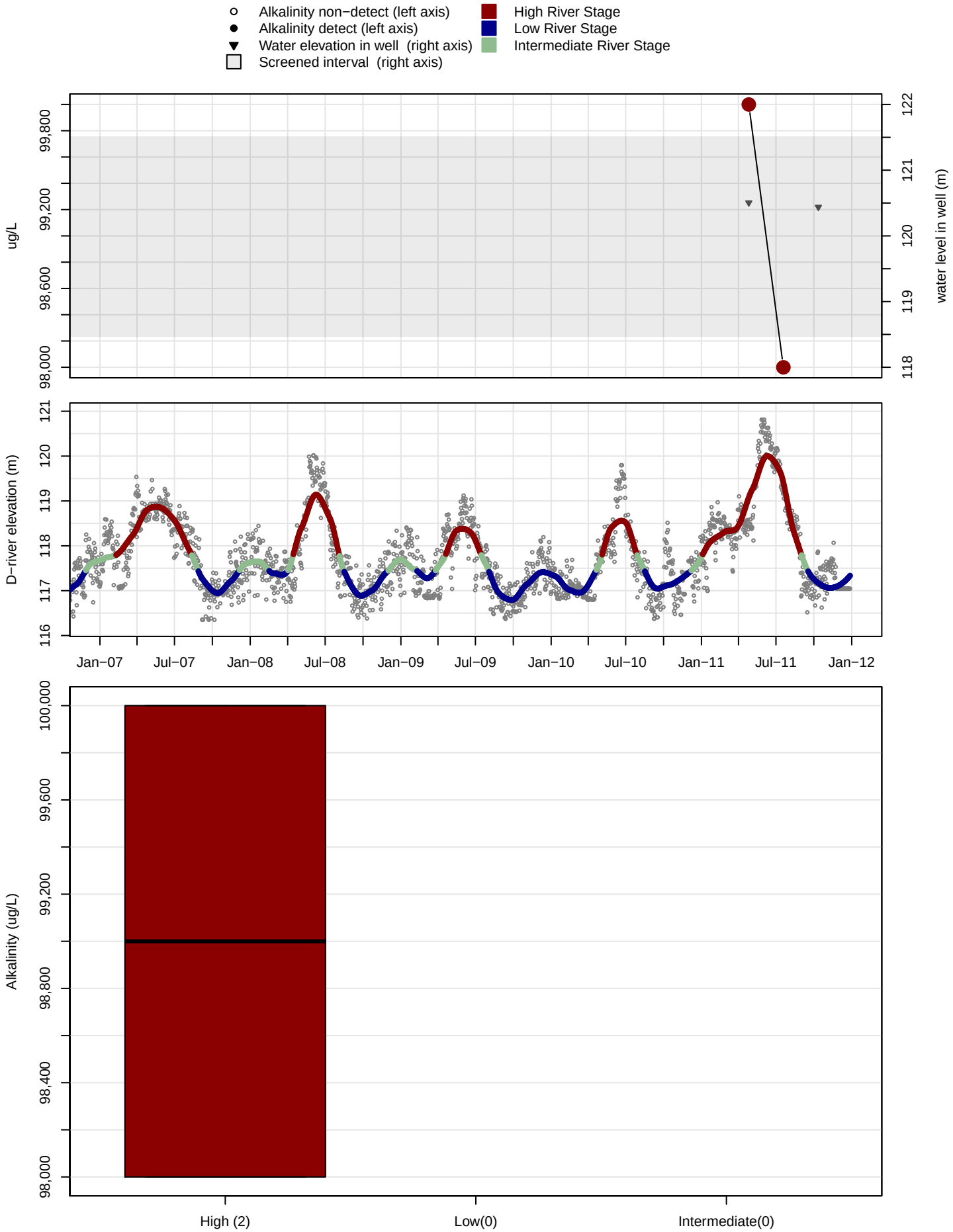
Mann Whitney p = NA t−test p = NA

199−K−20 (134m) Lag (17 Days)



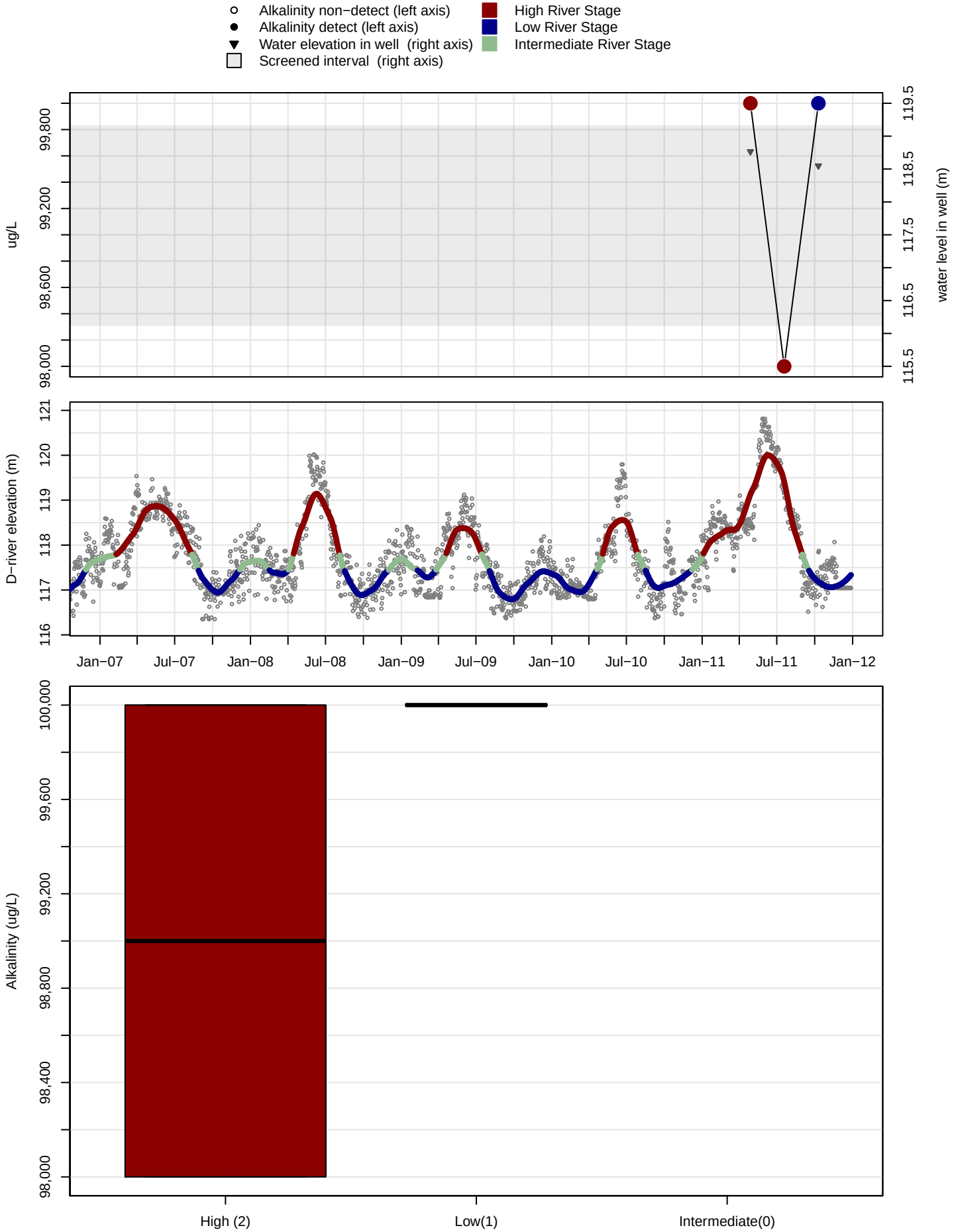
Mann Whitney p = NA t−test p = NA

199−K−200 (386m) Lag (Indeterminate)



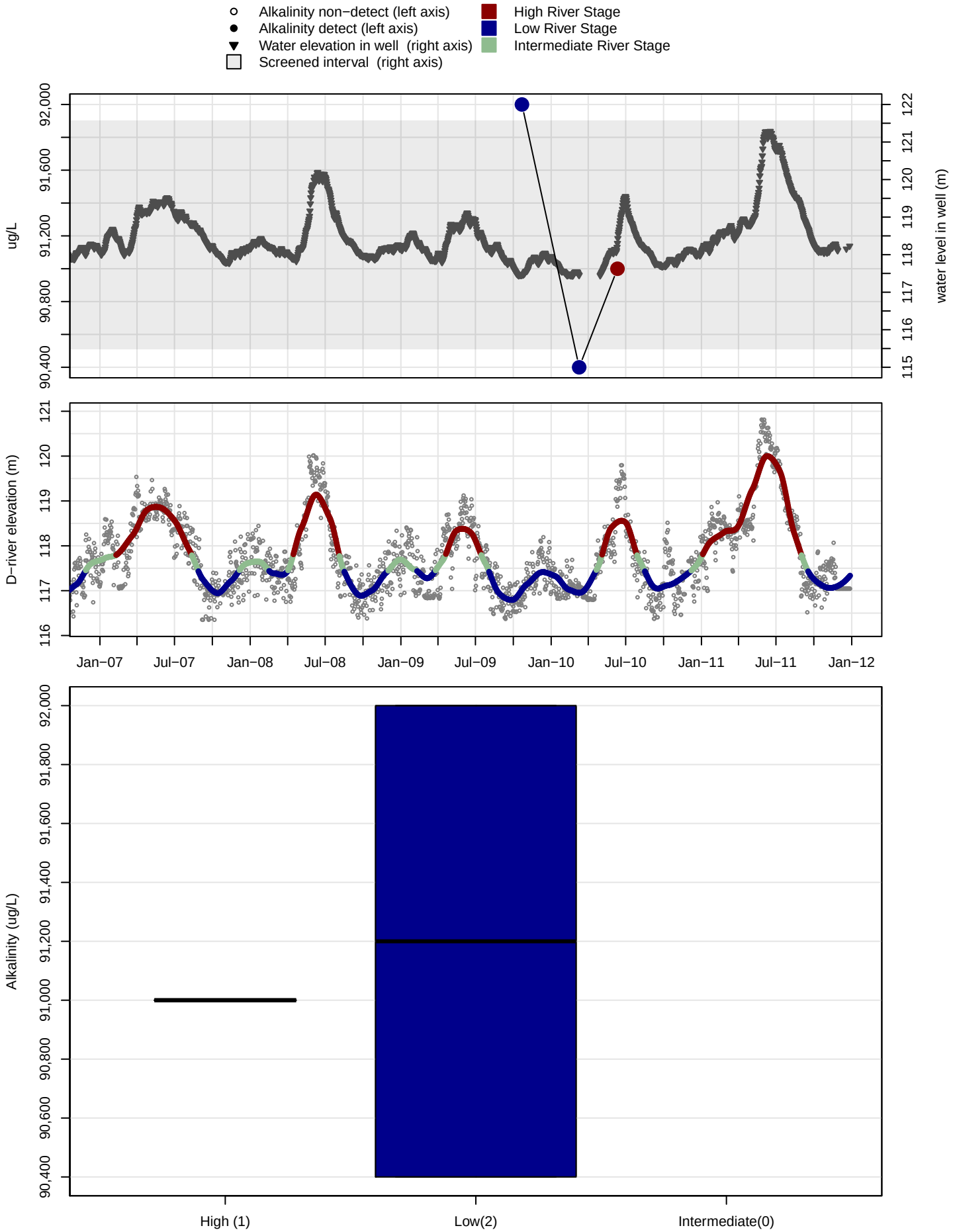
Mann Whitney p = NA t−test p = NA

199−K−201 (279m) Lag (Indeterminate)



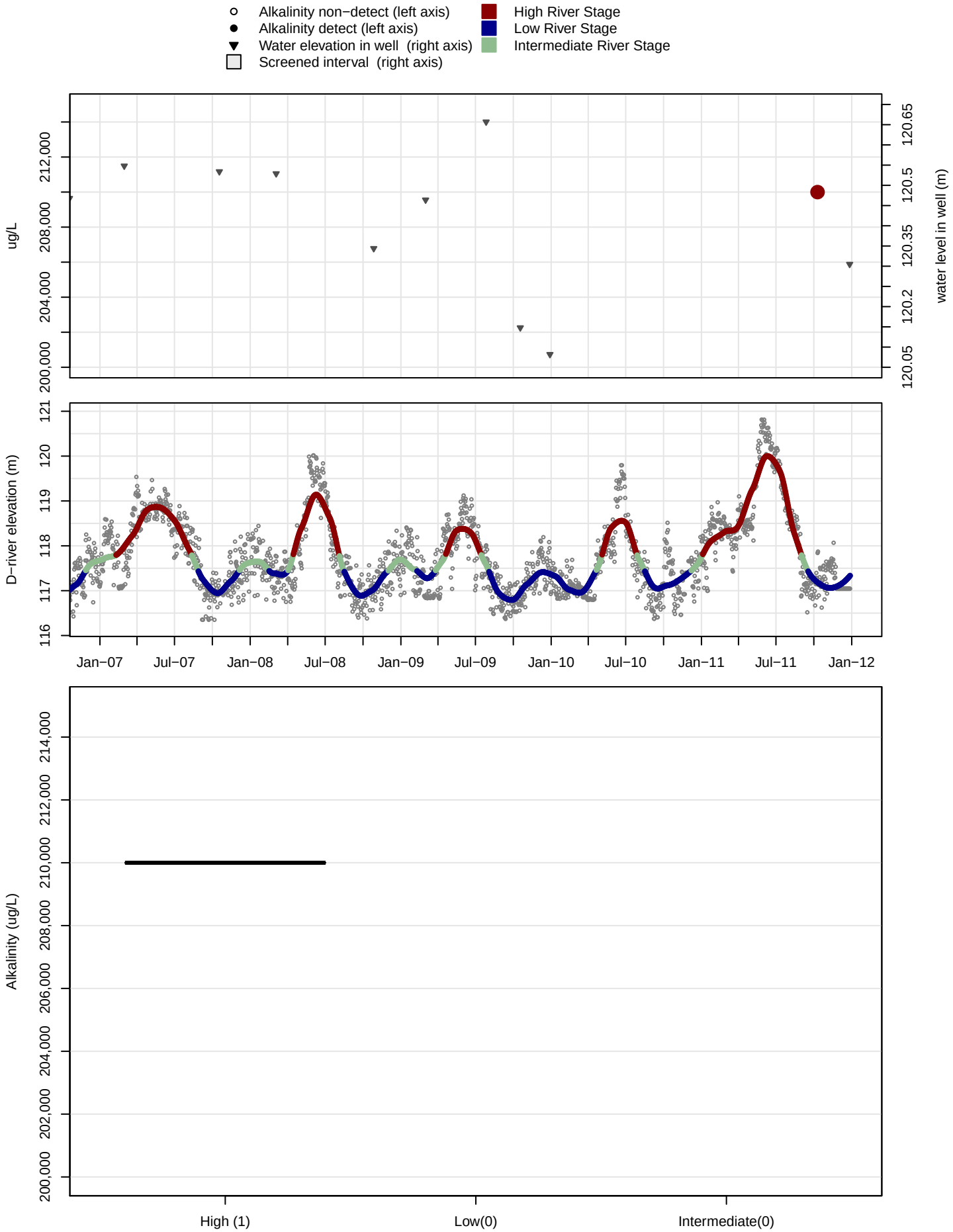
Mann Whitney p = NA t−test p = NA

199−K−22 (218m) Lag (18 Days)



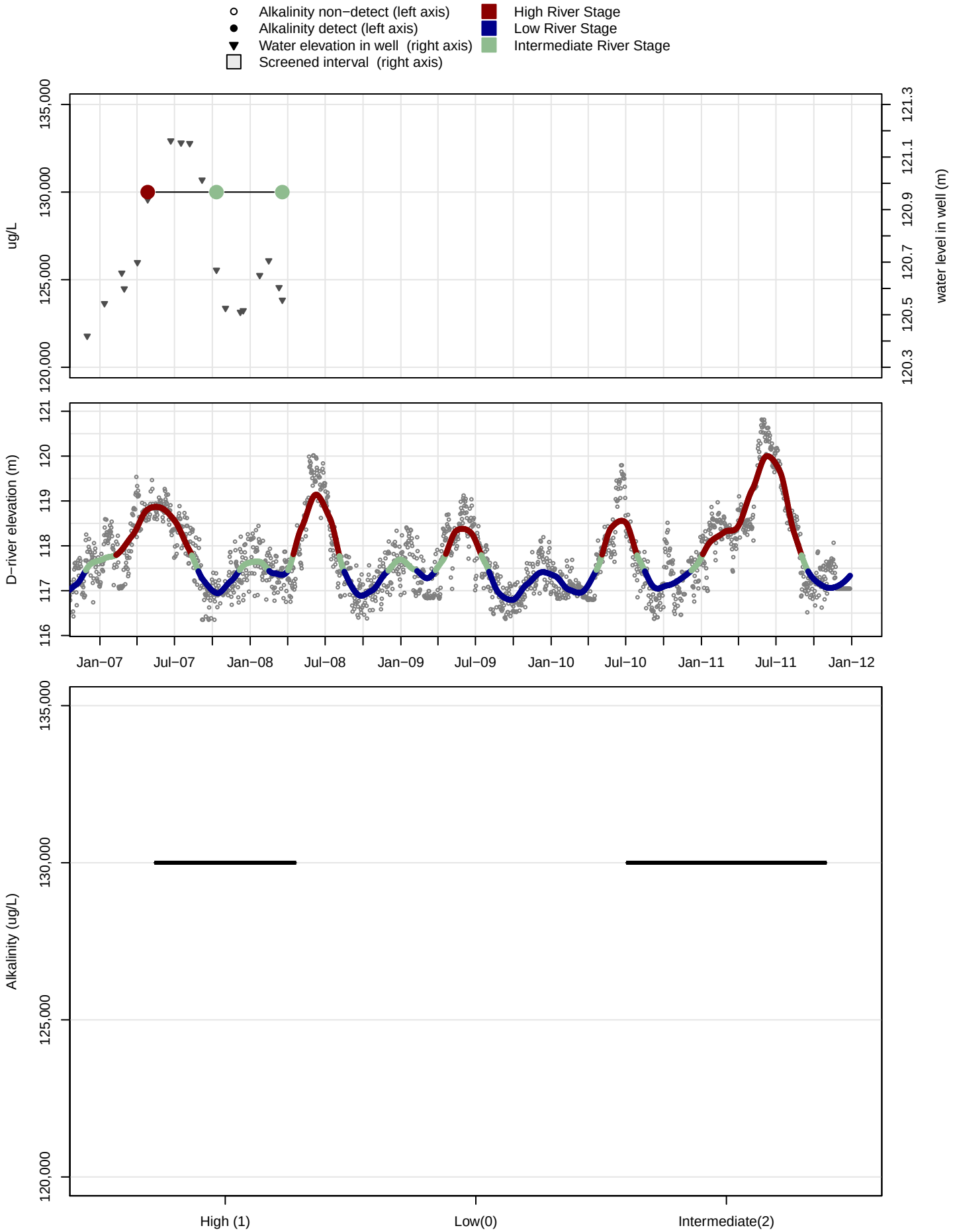
Mann Whitney p = NA t−test p = NA

199−K−23 (542m) Lag (55 Days)



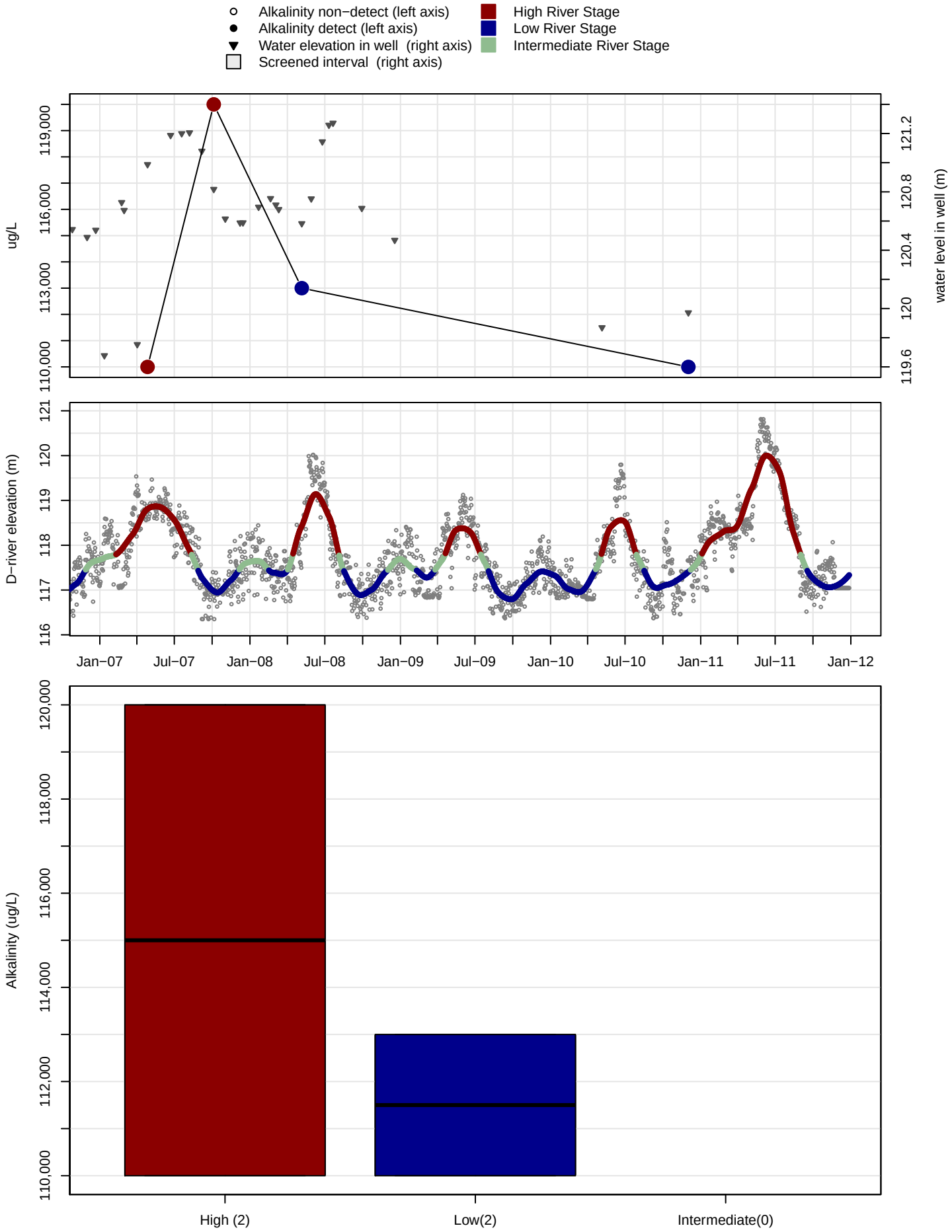
Mann Whitney p = NA t−test p = NA

199−K−27 (501m) Lag (50 Days)



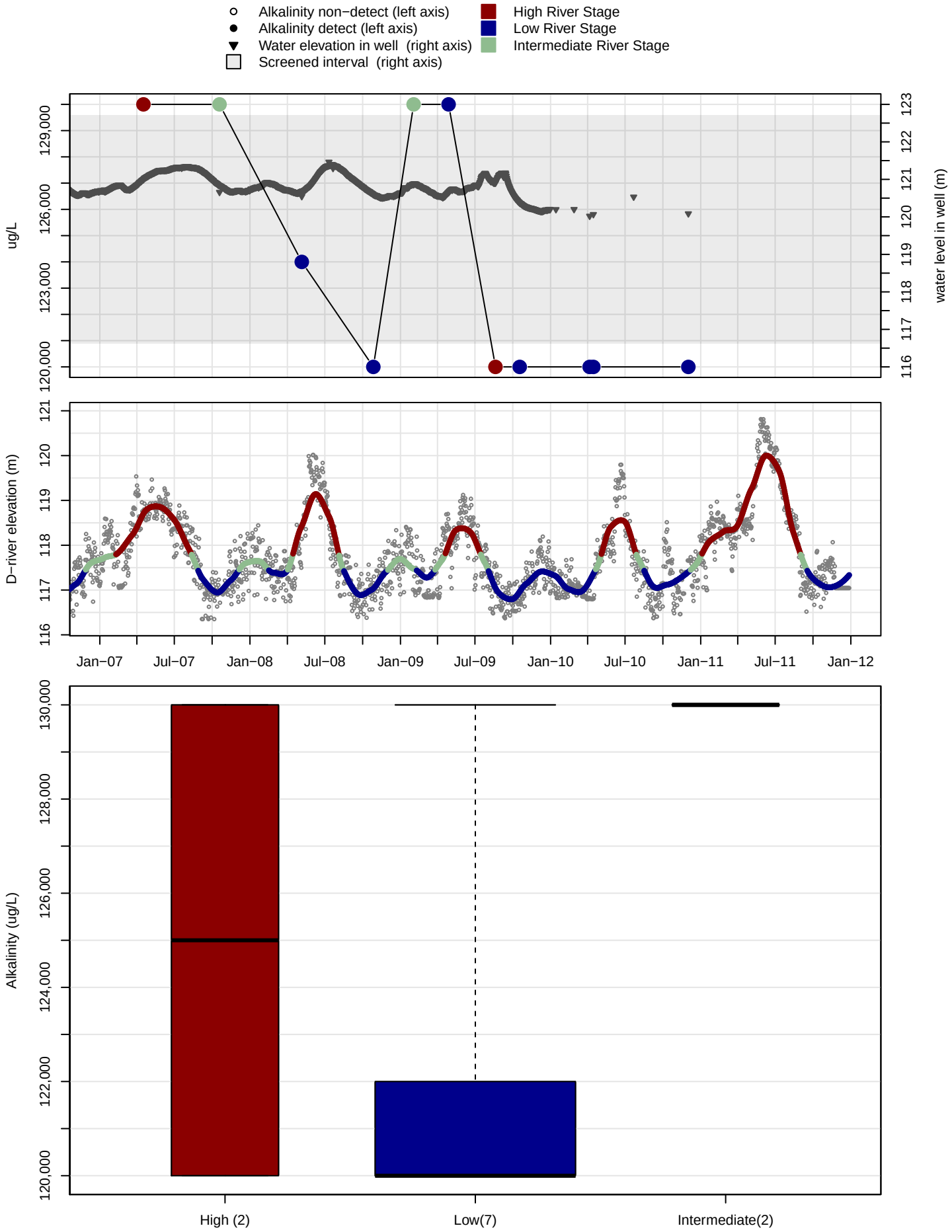
Mann Whitney p = NA t−test p = NA

199−K−29 (519m) Lag (56 Days)



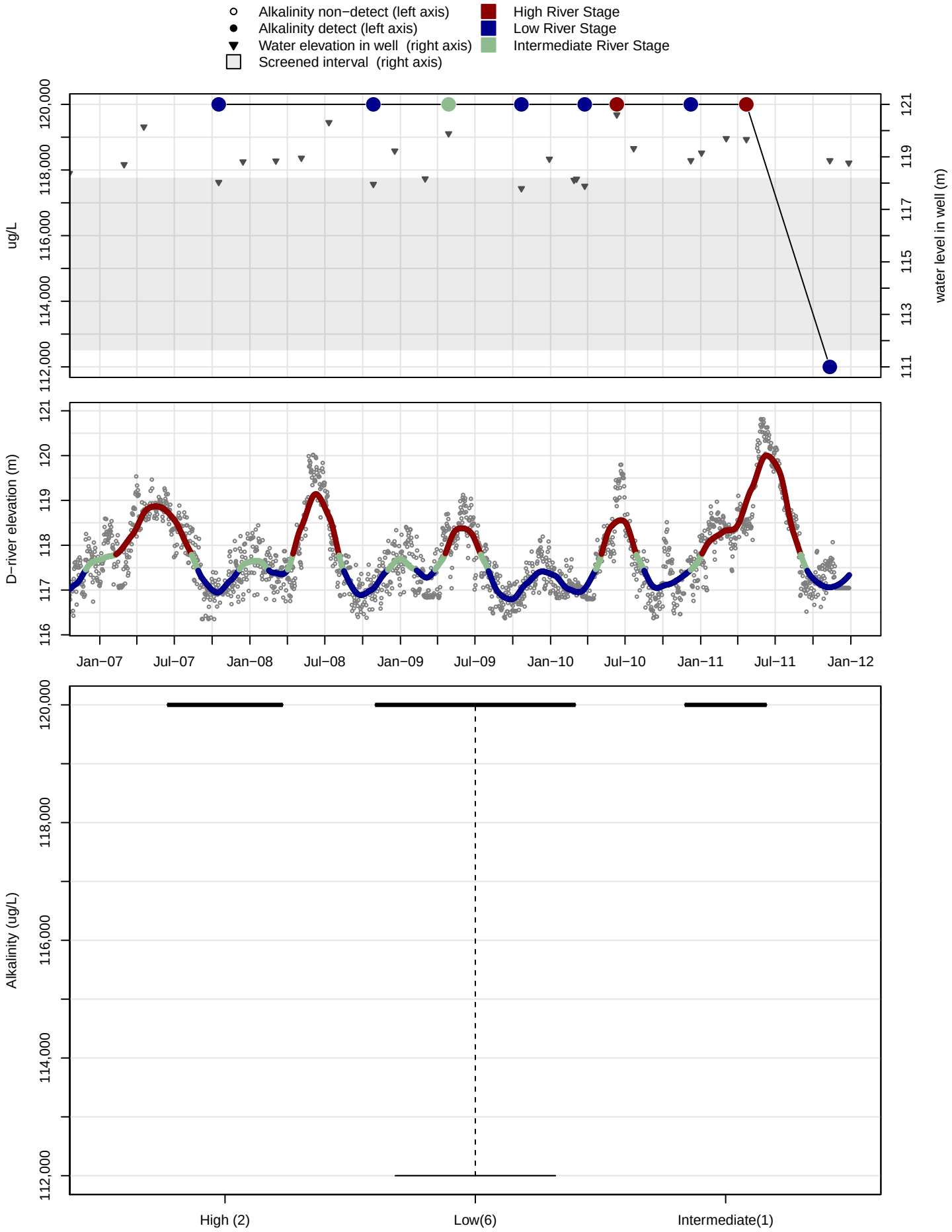
Mann Whitney p = NA t−test p = NA

199−K−30 (548m) Lag (52 Days)



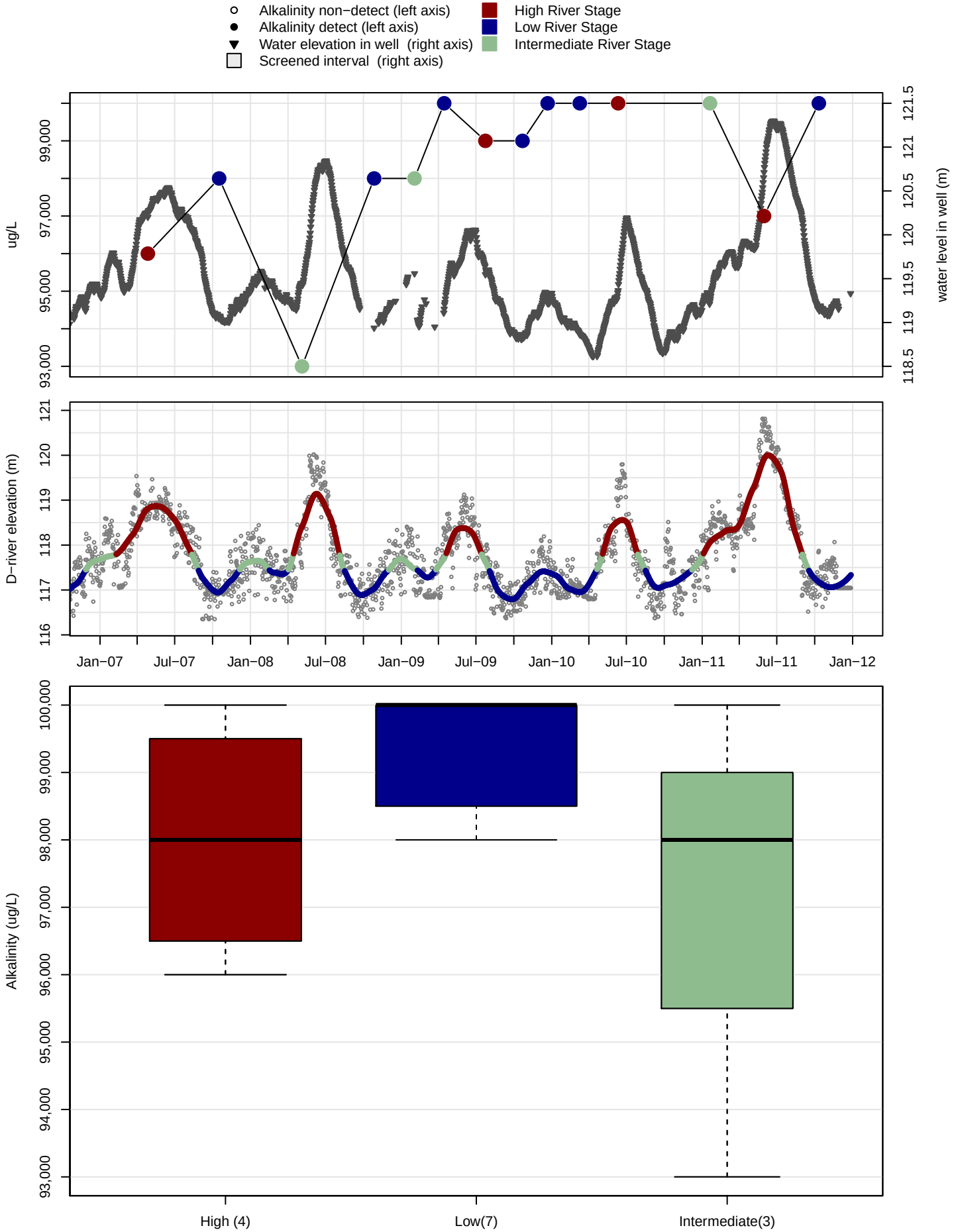
Mann Whitney p = NA t−test p = NA

199−K−31 (63m) Lag (7 Days)



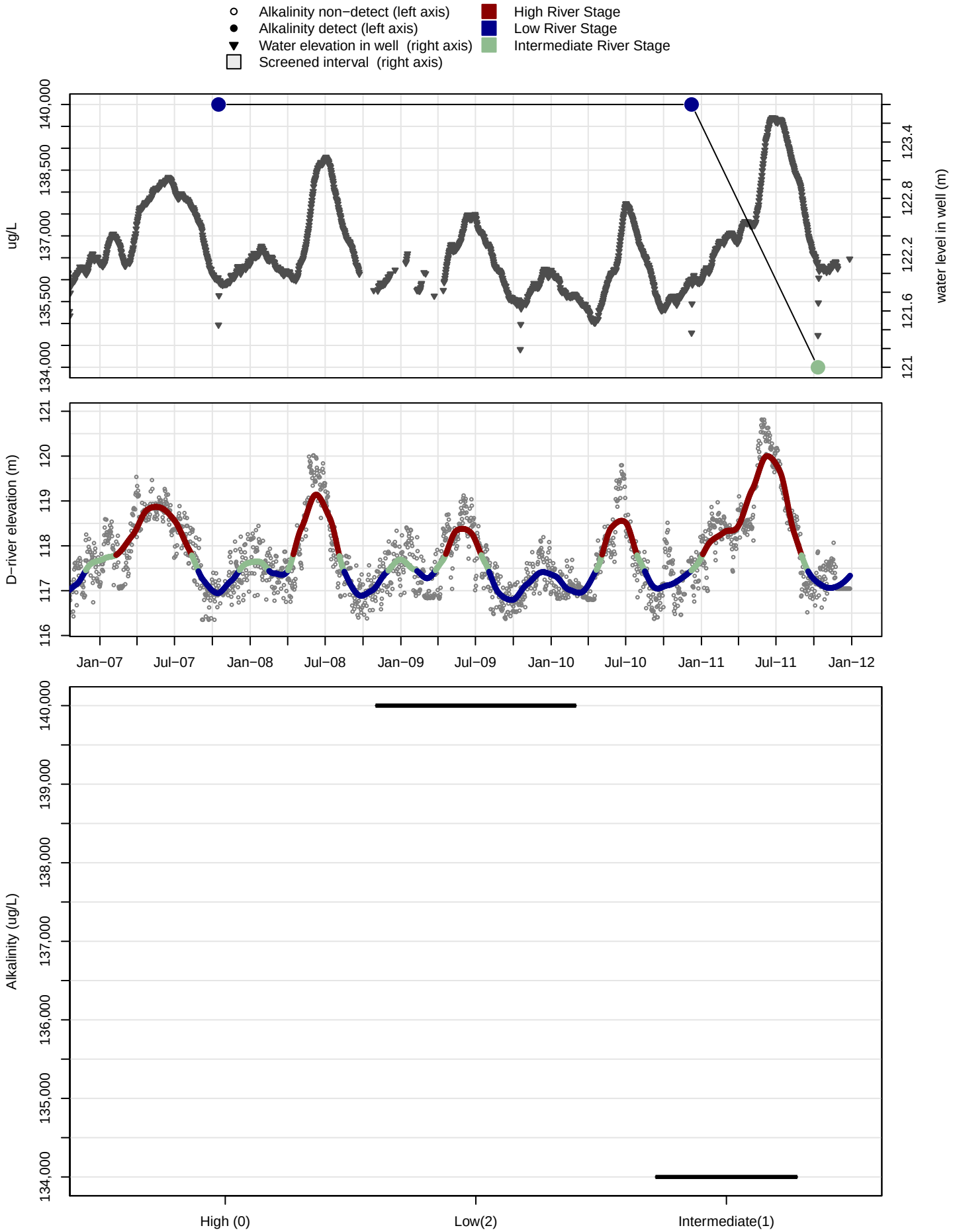
Mann Whitney p = NA t−test p = NA

199−K−32A (237m) Lag (21 Days)



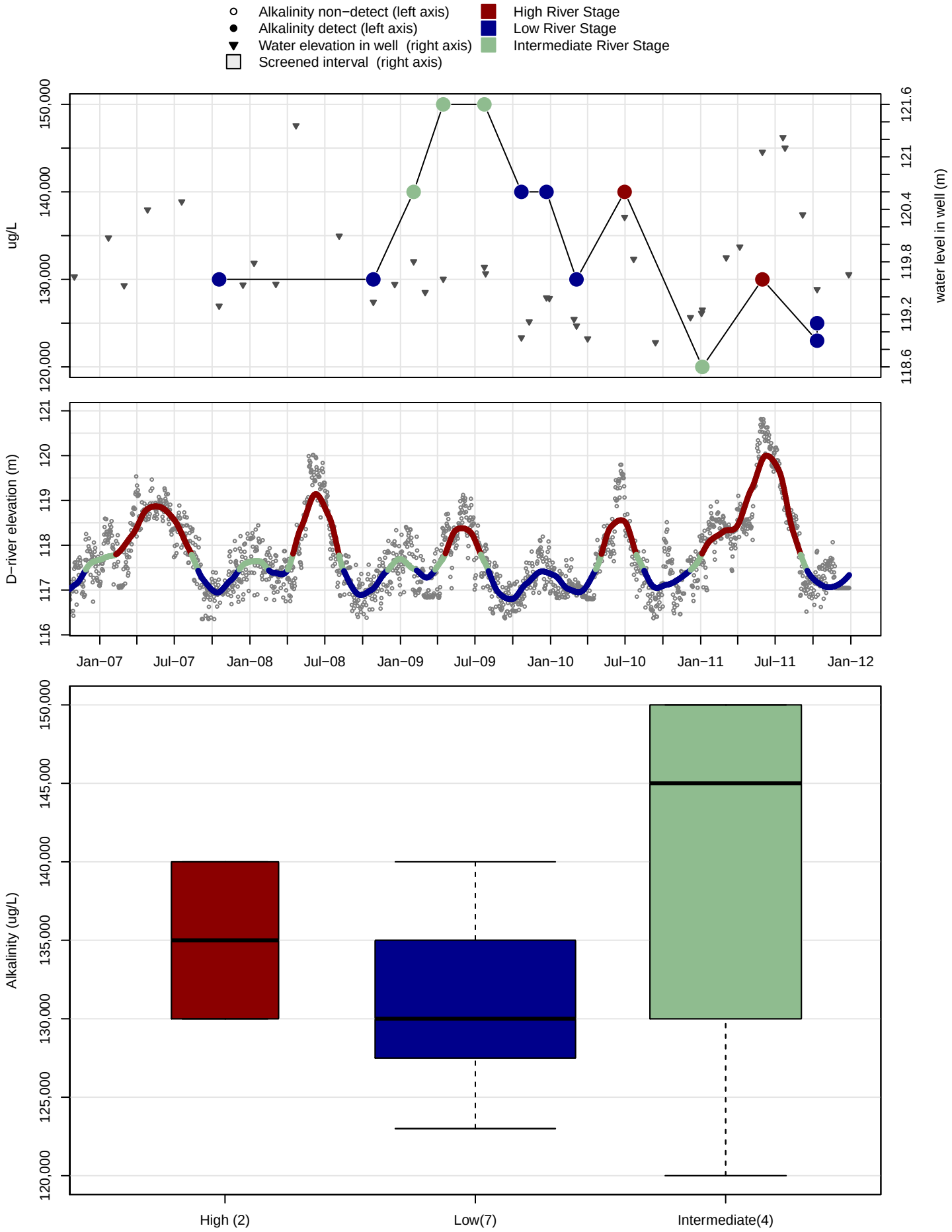
Mann Whitney p = 2.55e−01 t−test p = 2.61e−01

199−K−32B (230m) Lag (25 Days)



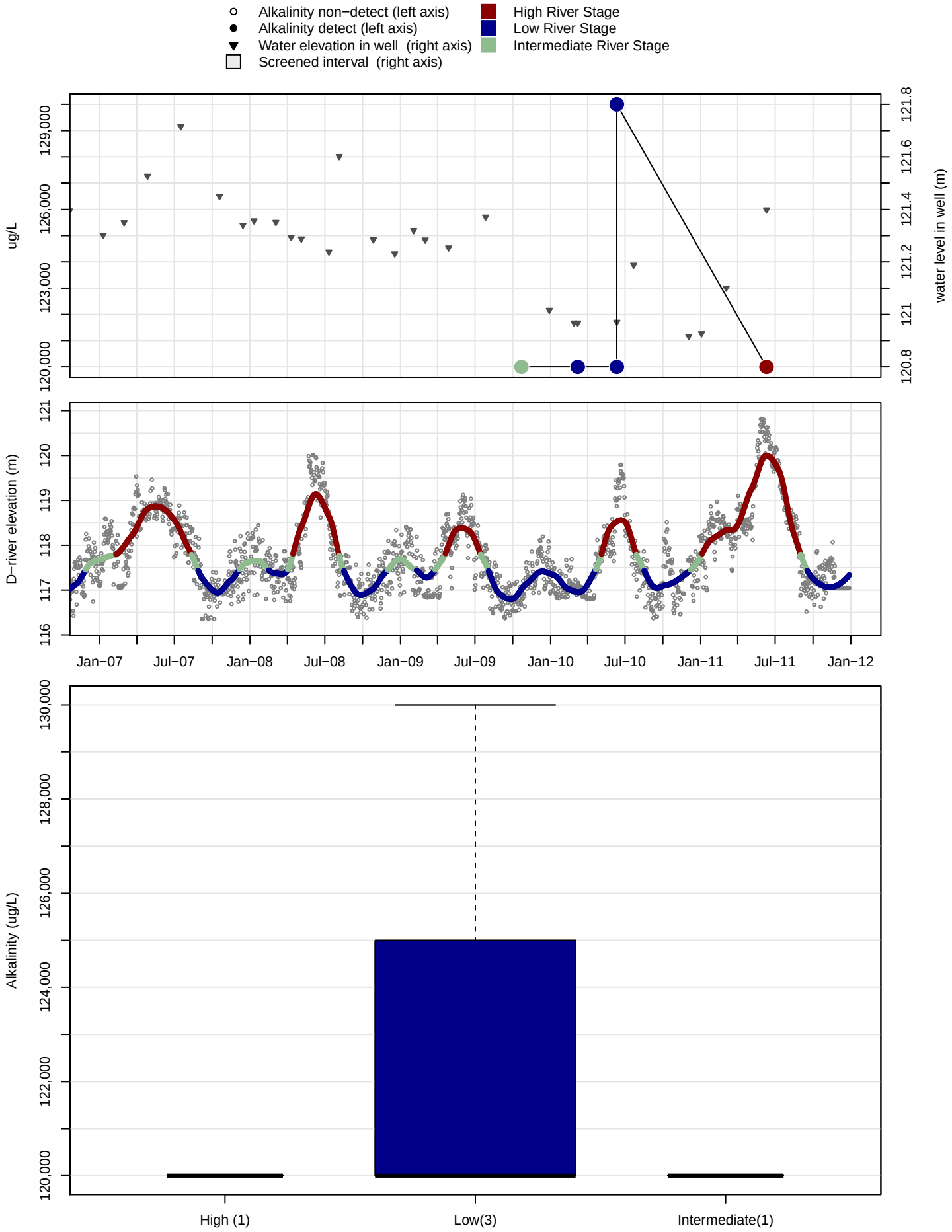
Mann Whitney p = NA t−test p = NA

199−K−34 (383m) Lag (7 Days)



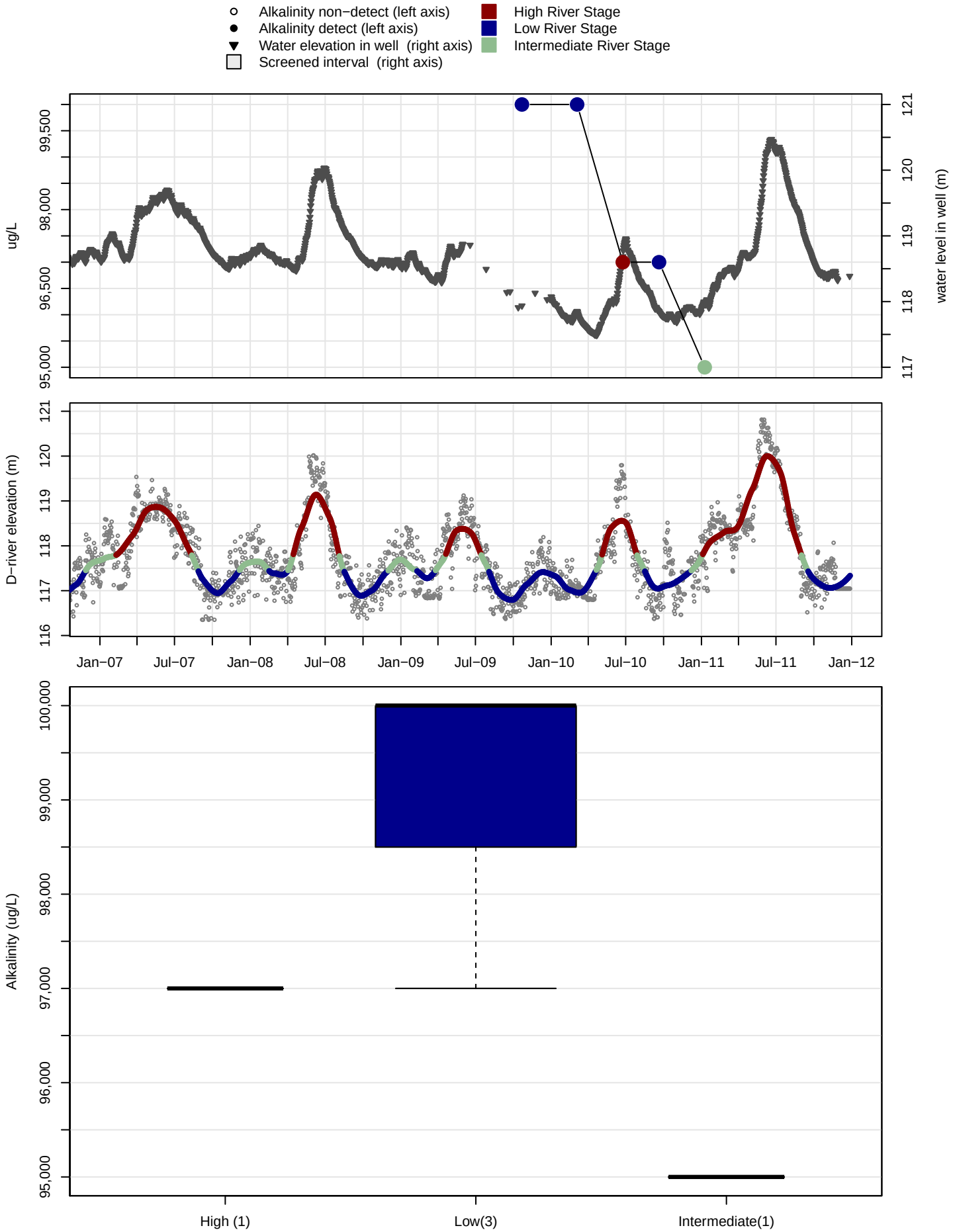
Mann Whitney p = NA t−test p = NA

199−K−36 (918m) Lag (83 Days)



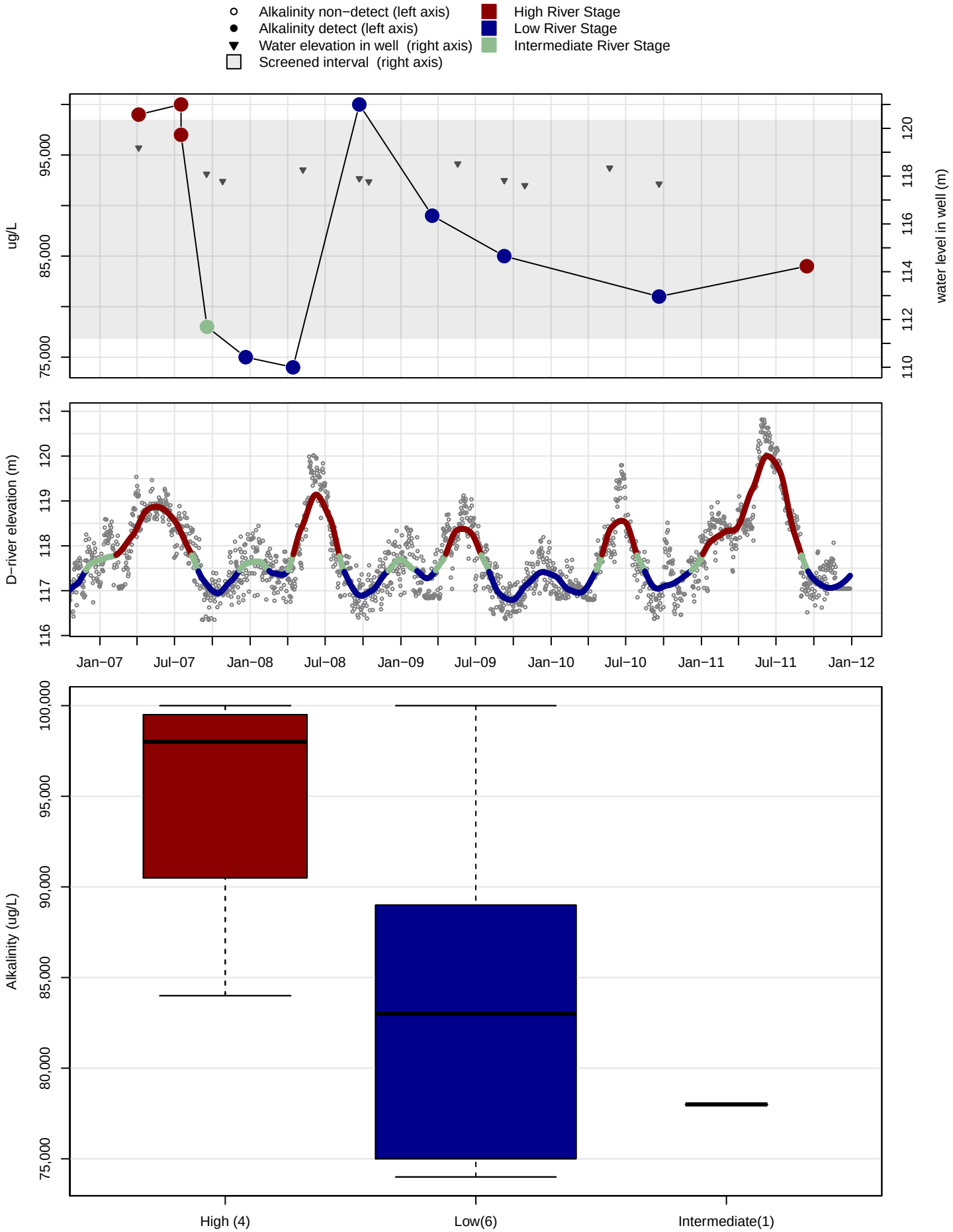
Mann Whitney p = NA t−test p = NA

199−K−37 (227m) Lag (26 Days)



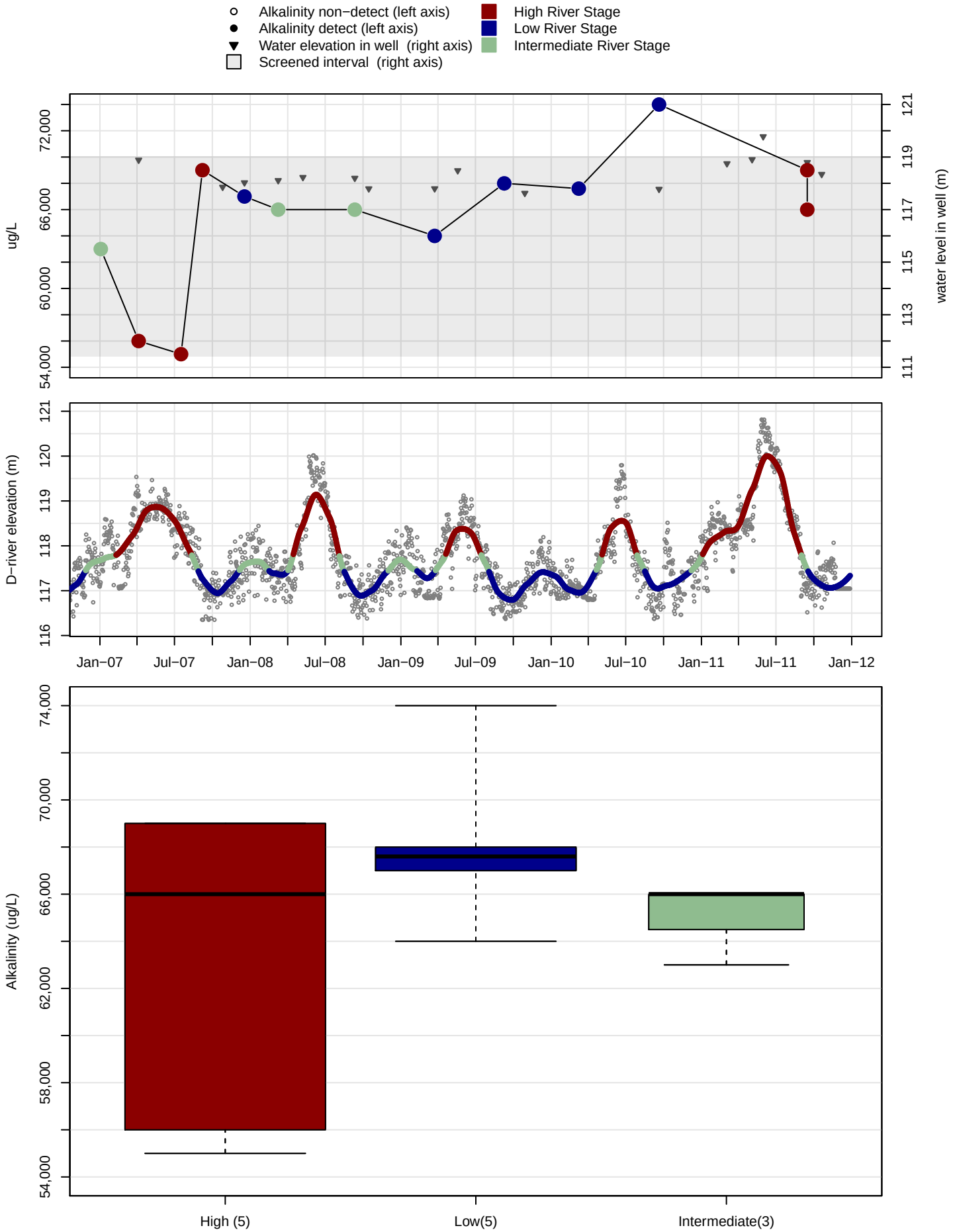
Mann Whitney p = NA t−test p = NA

199−N−103A (95m) Lag (22 Days)



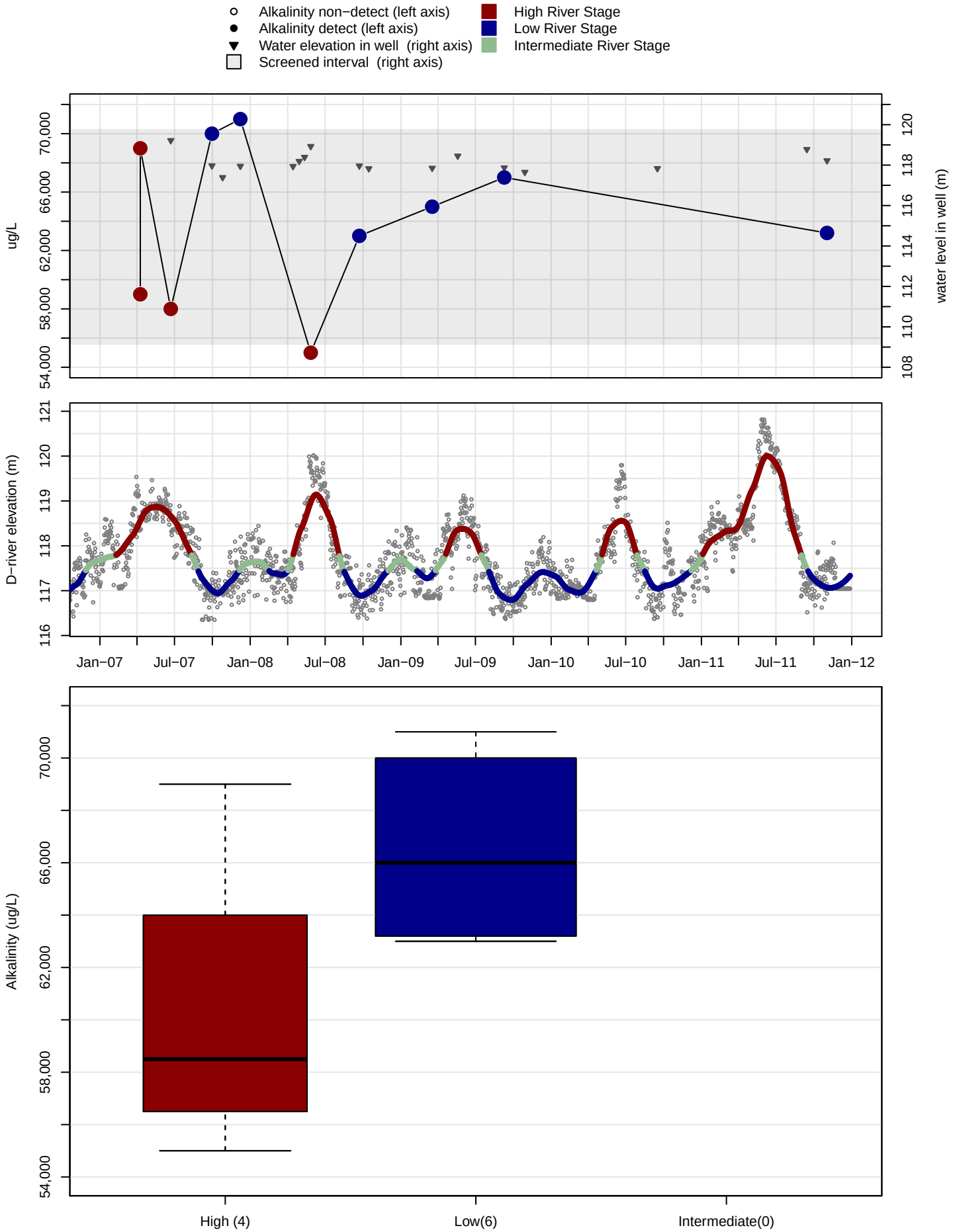
Mann Whitney p = 1.86e−01 t−test p = 7.9e−02

199−N−105A (173m) Lag (28 Days)



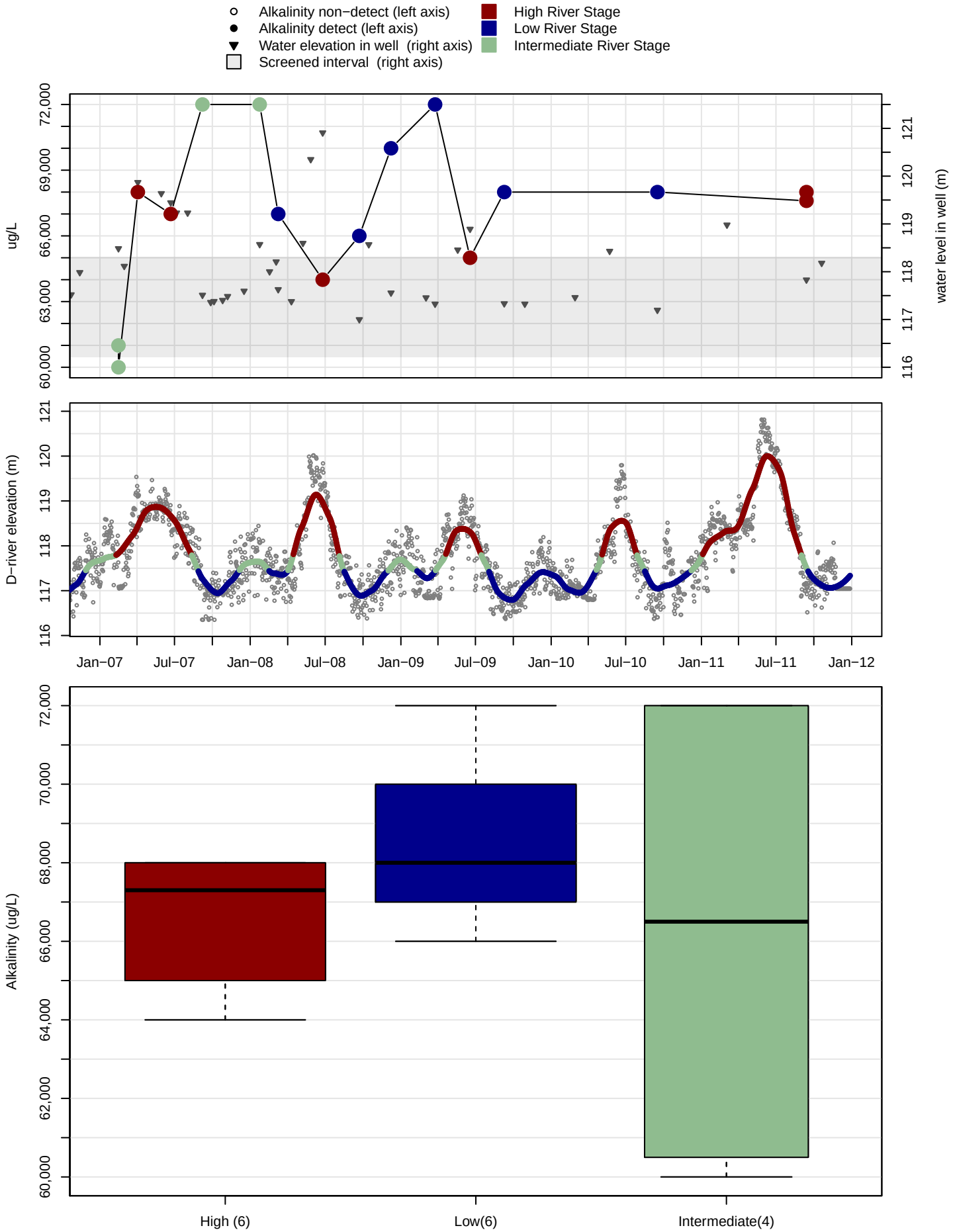
Mann Whitney p = 5e−01 t−test p = 1.95e−01

199−N−106A (205m) Lag (24 Days)



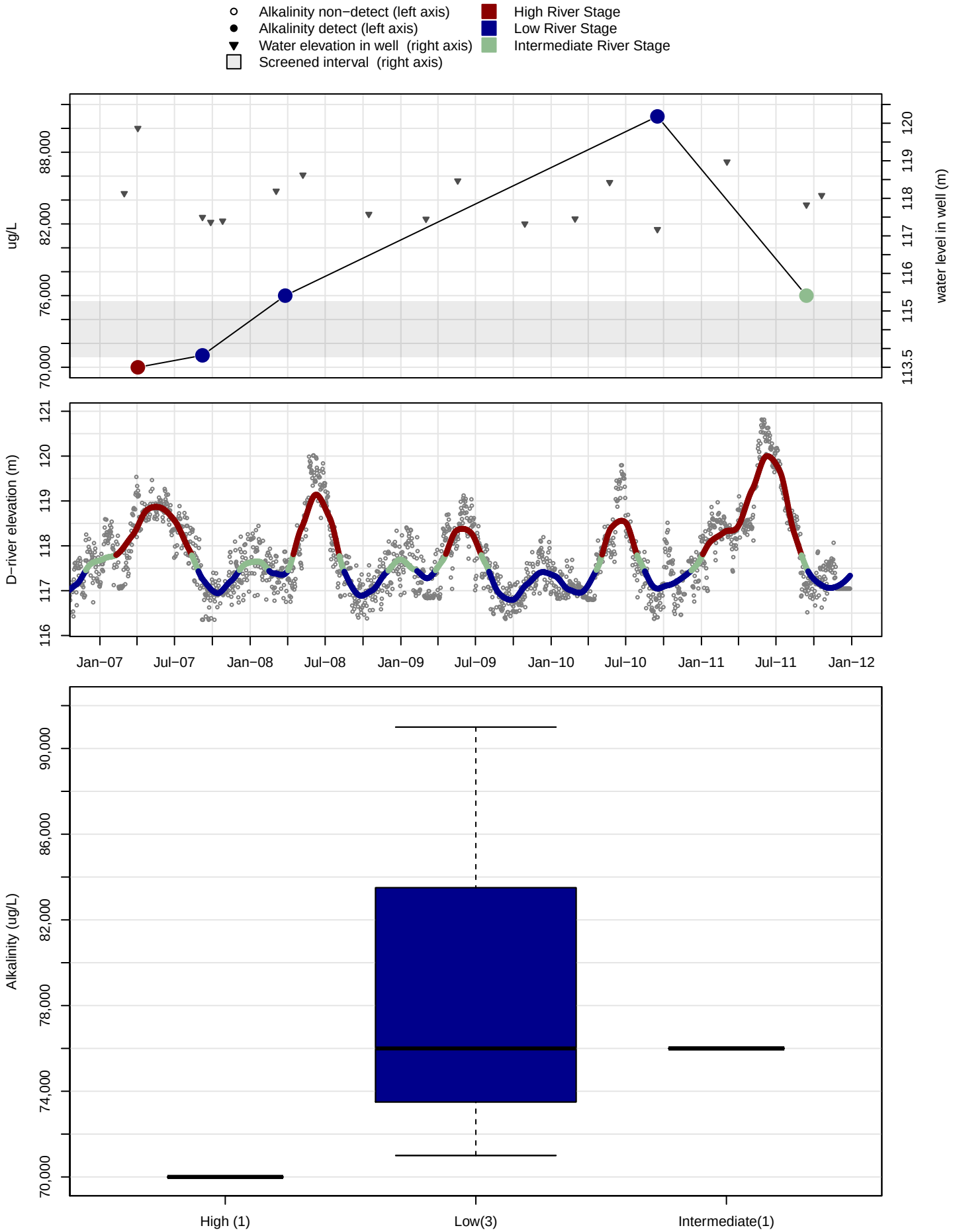
Mann Whitney p = 1.14e−01 t−test p = 1.29e−01

199−N−119 (7m) Lag (10 Days)



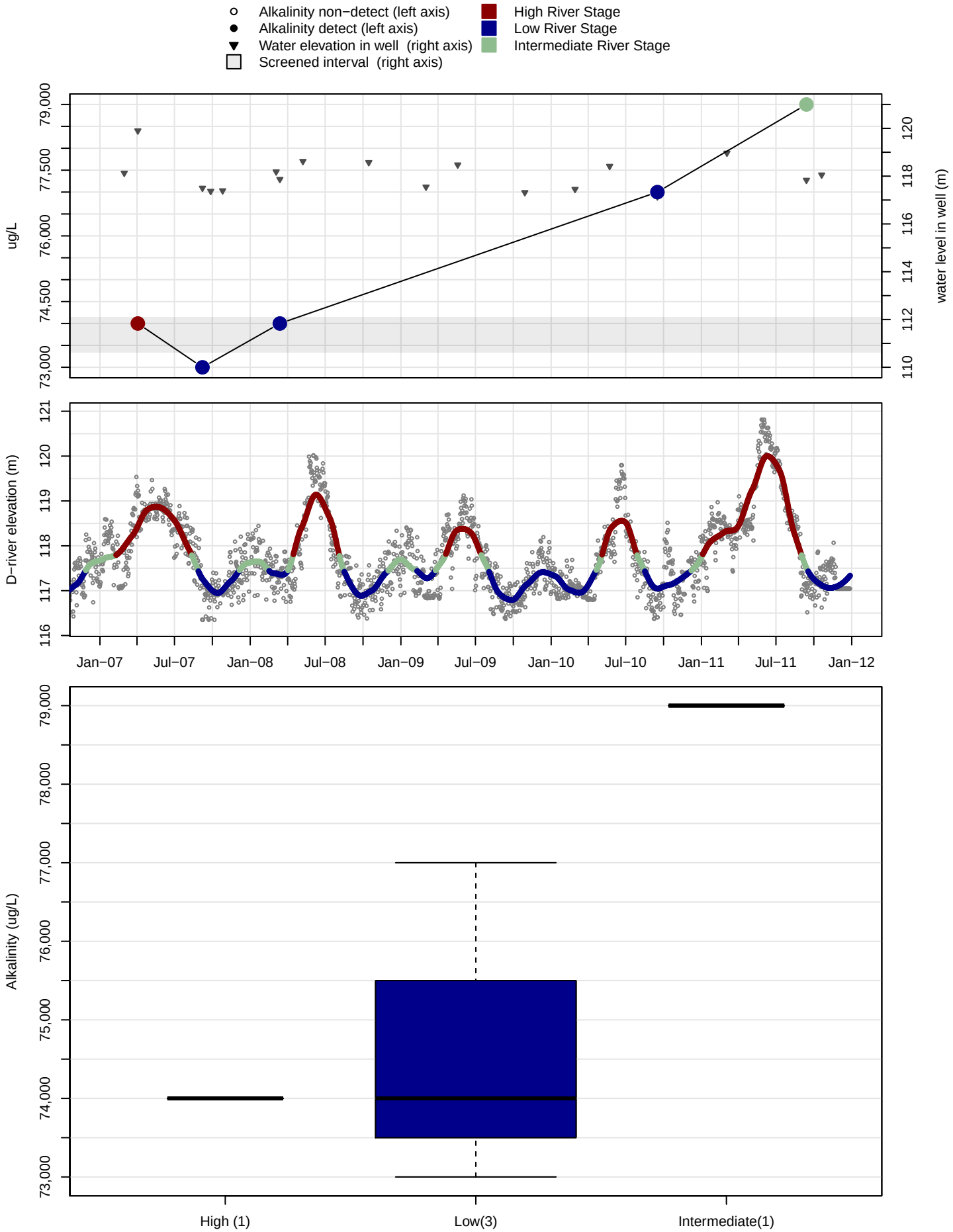
Mann Whitney p = 1.82e−01 t−test p = 1.24e−01

199−N−120 (6m) Lag (0 Days)



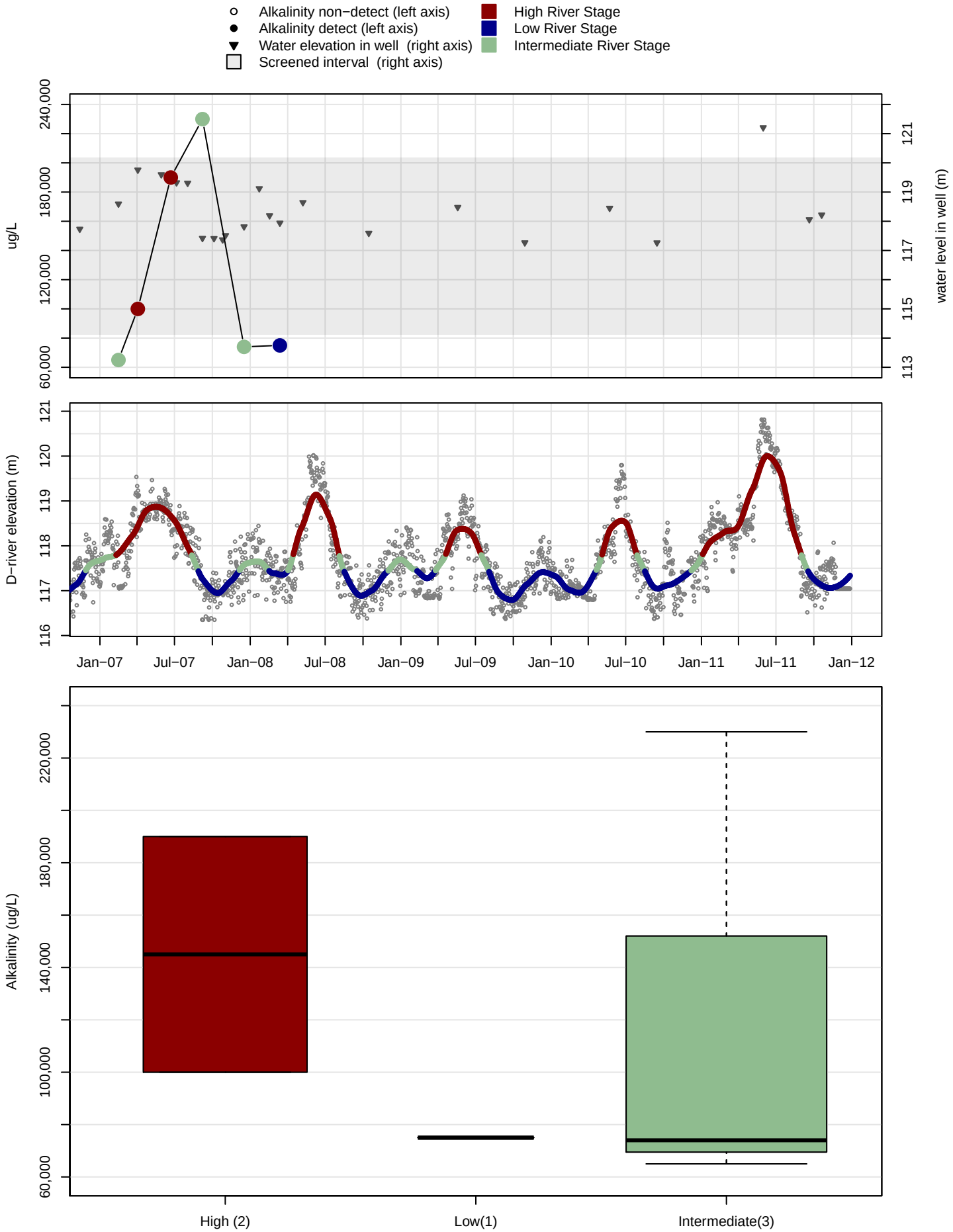
Mann Whitney p = NA t−test p = NA

199−N−121 (6m) Lag (0 Days)



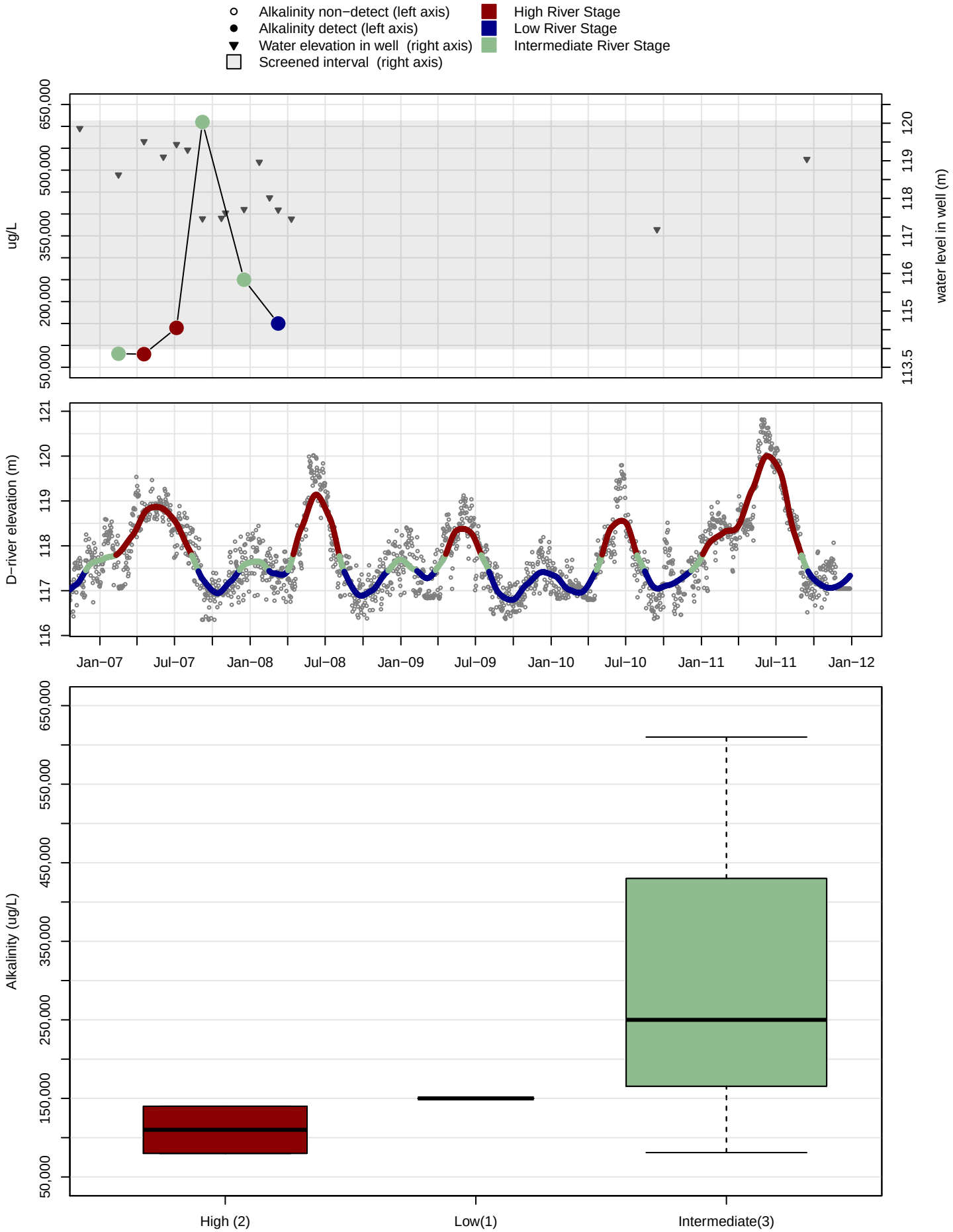
Mann Whitney p = NA t−test p = NA

199−N−122 (3m) Lag (10 Days)



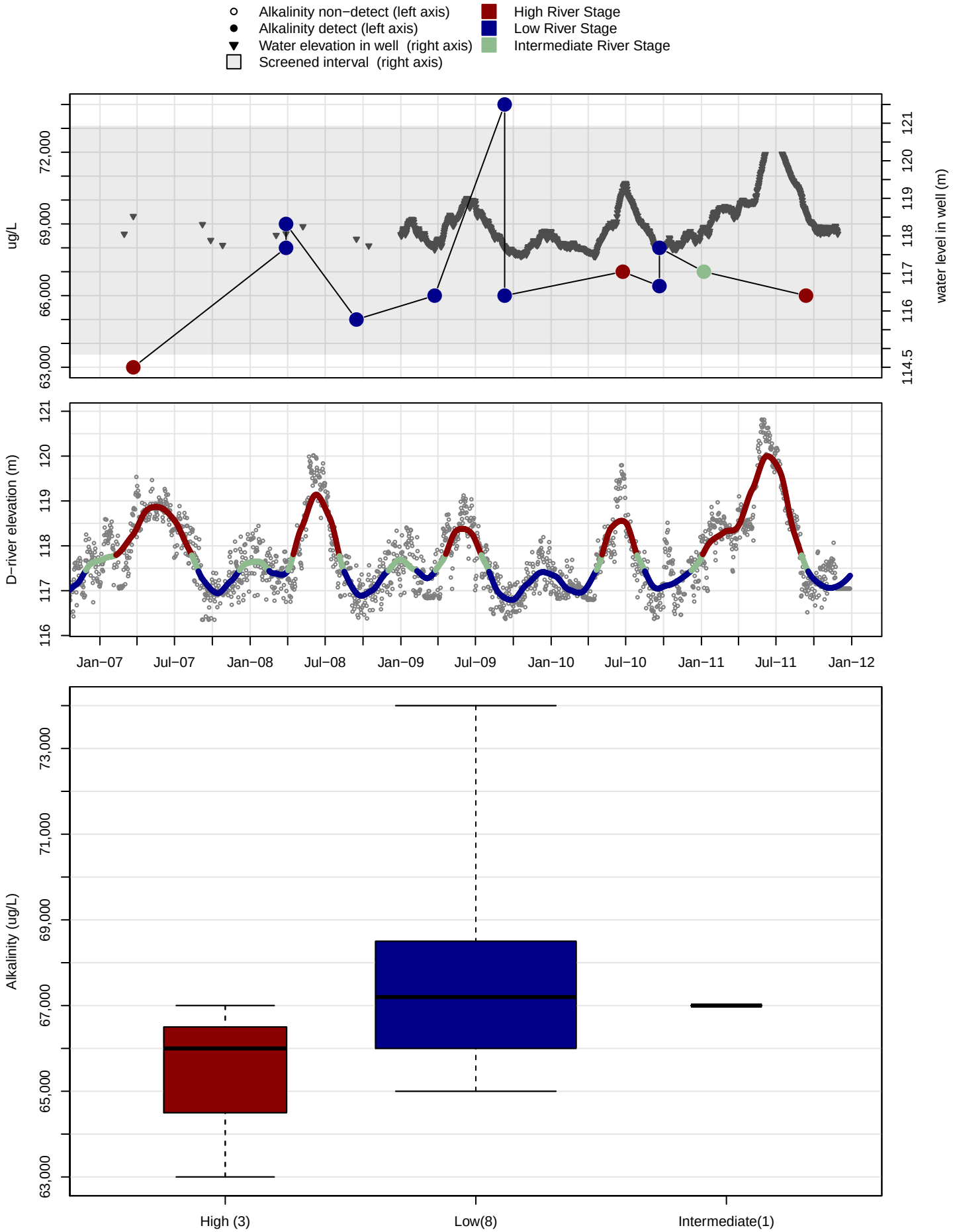
Mann Whitney p = NA t−test p = NA

199−N−123 (7m) Lag (10 Days)



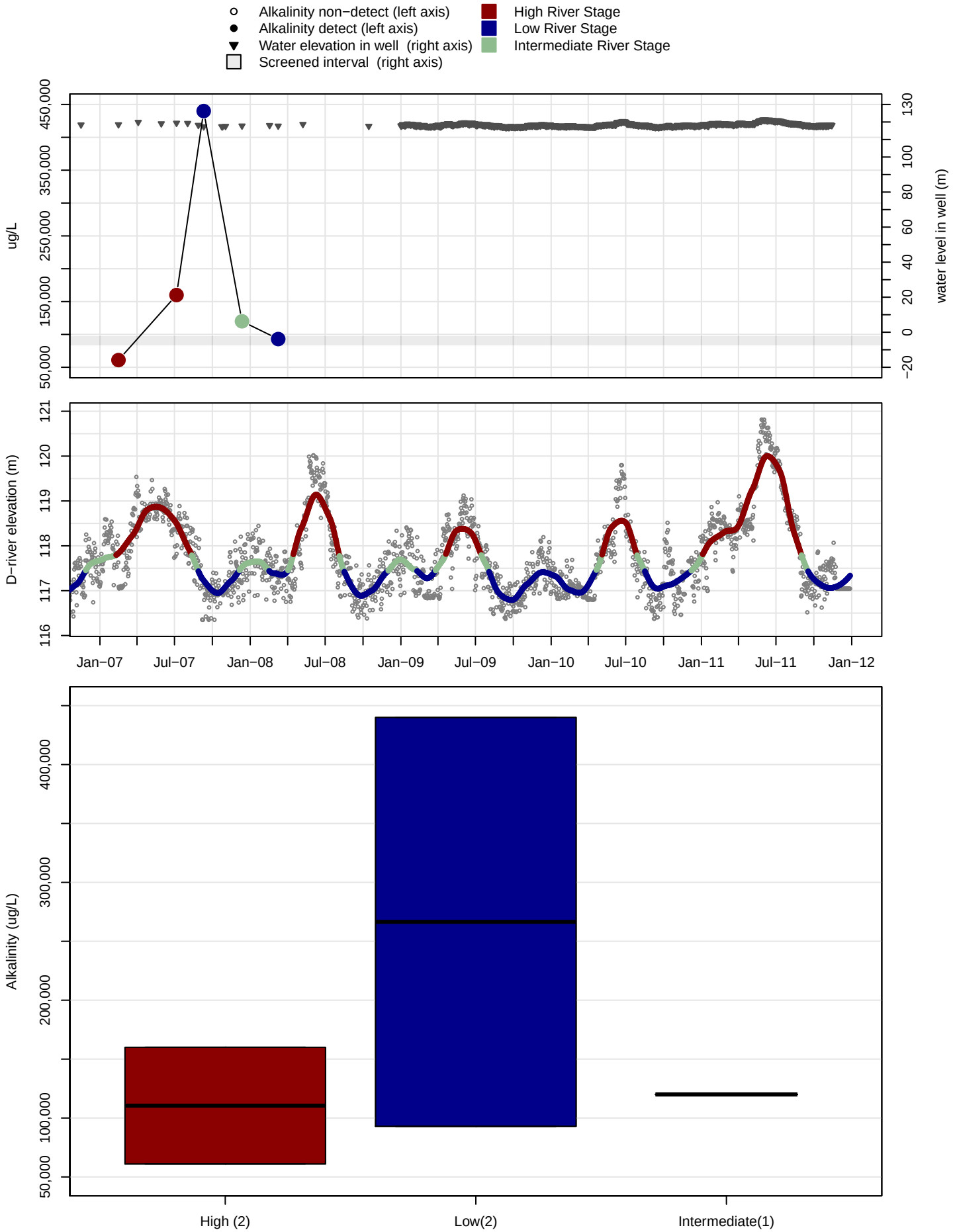
Mann Whitney p = NA t−test p = NA

199−N−14 (135m) Lag (18 Days)



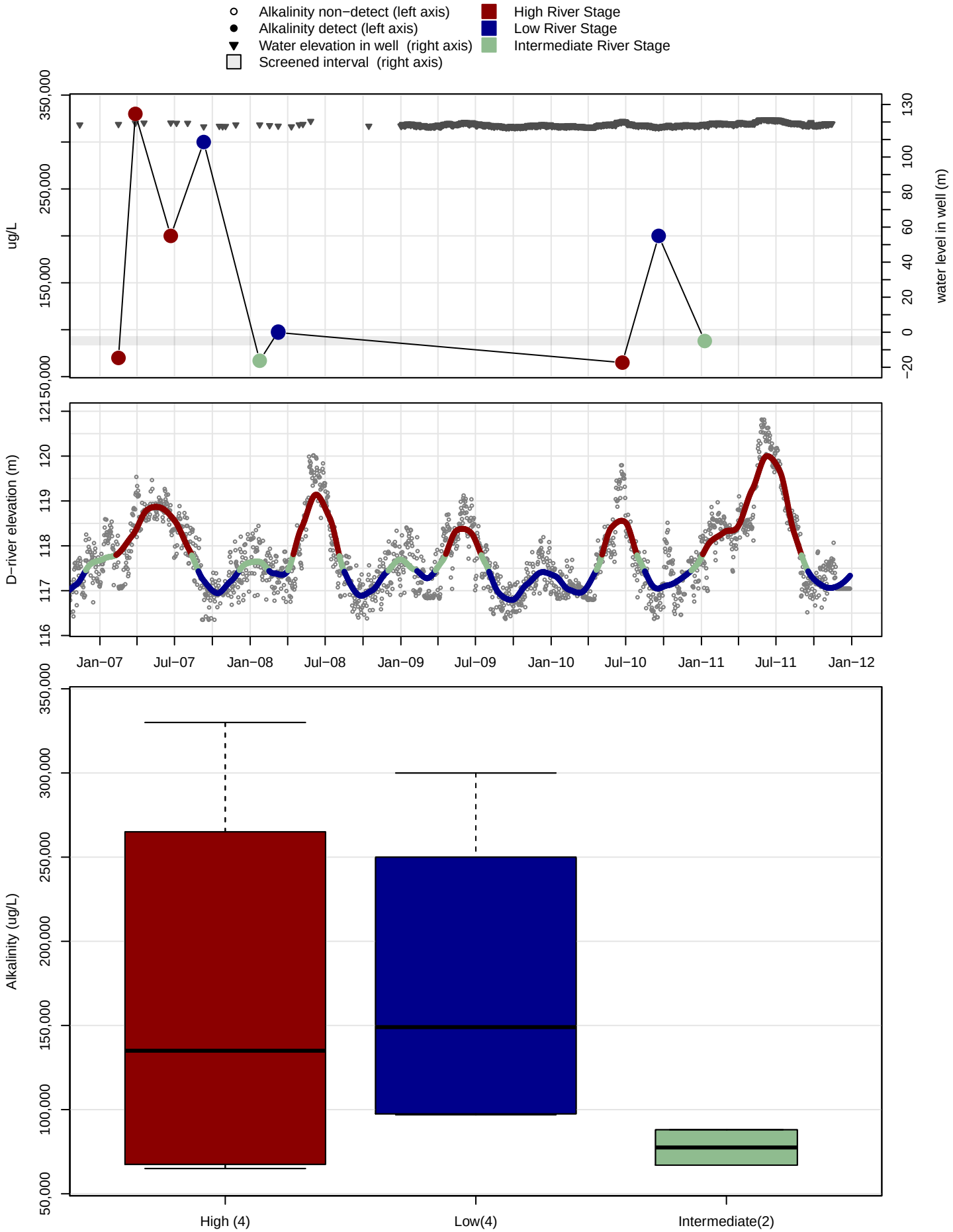
Mann Whitney p = 2.55e−01 t−test p = 1.75e−01

199−N−146 (4m) Lag (3 Days)



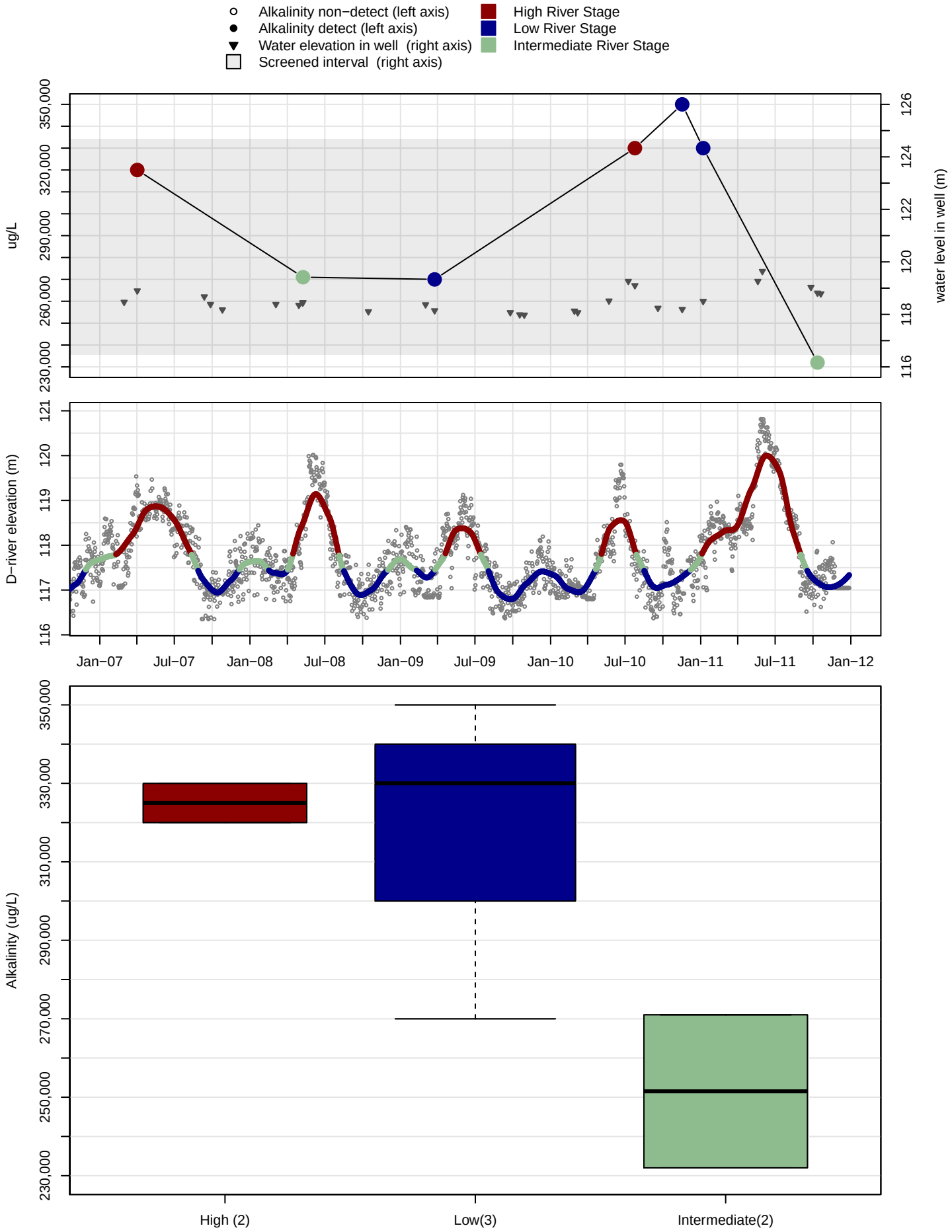
Mann Whitney p = NA t−test p = NA

199−N−147 (5m) Lag (4 Days)



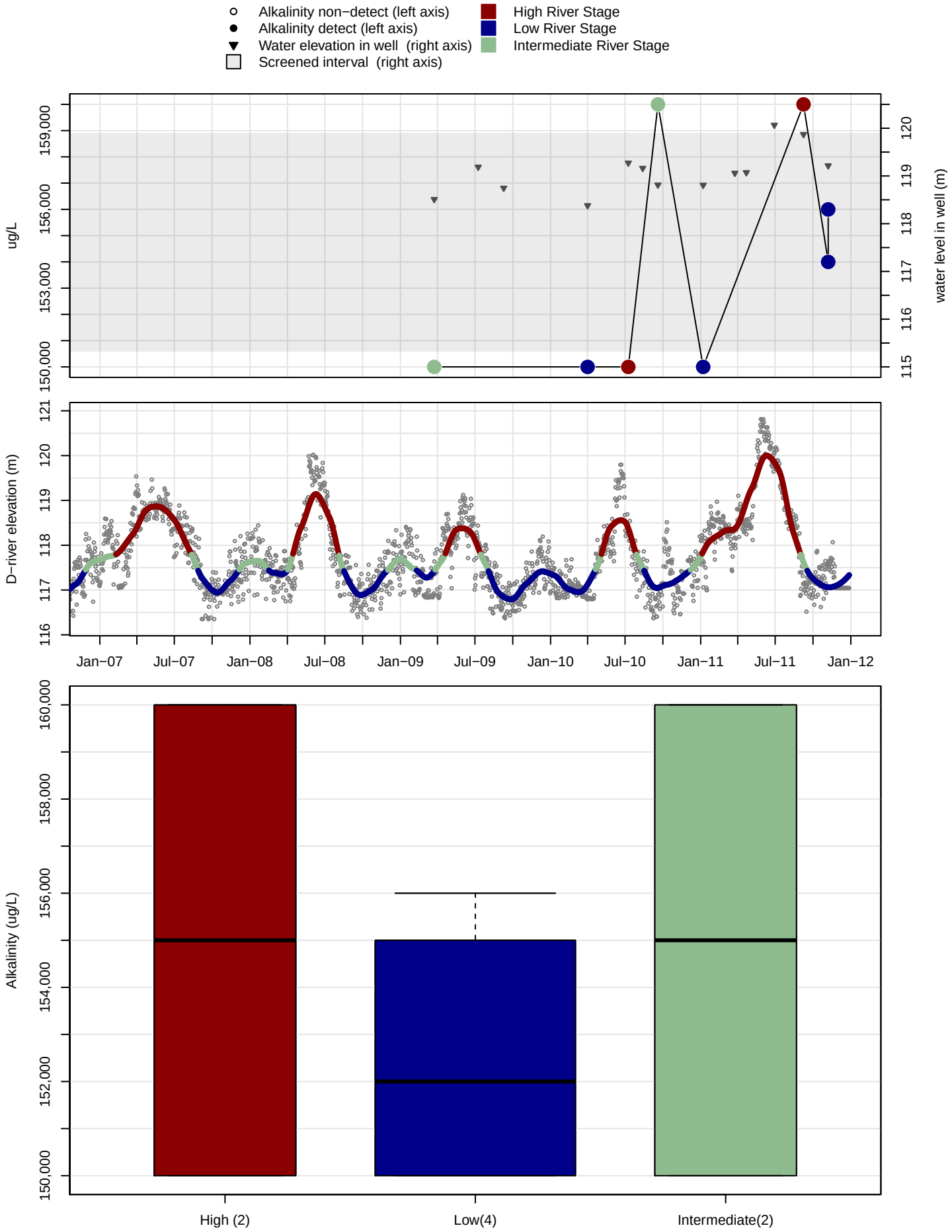
Mann Whitney p = 7.43e−01 t−test p = 9.28e−01

199−N−16 (257m) Lag (36 Days)



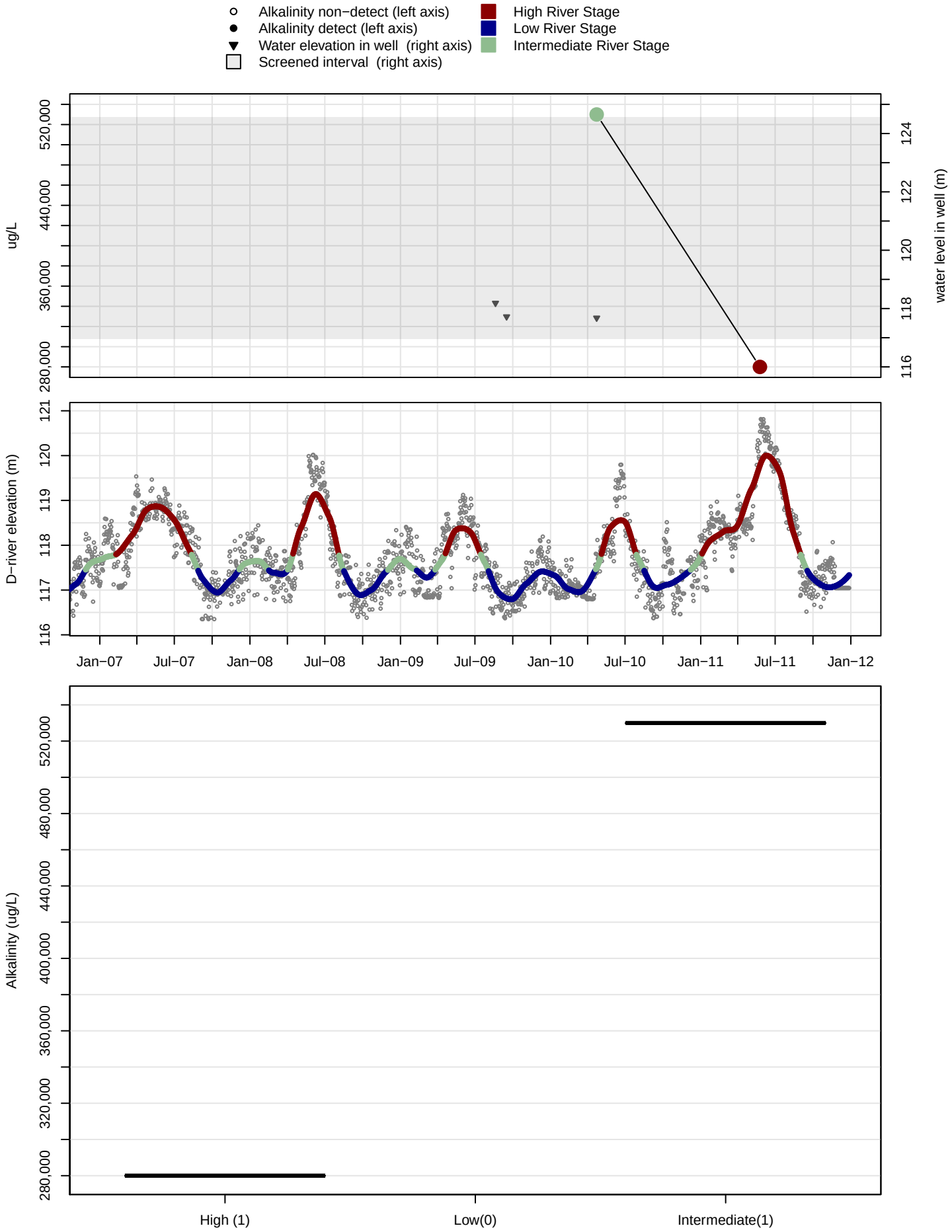
Mann Whitney p = NA t−test p = NA

199−N−165 (393m) Lag (46 Days)



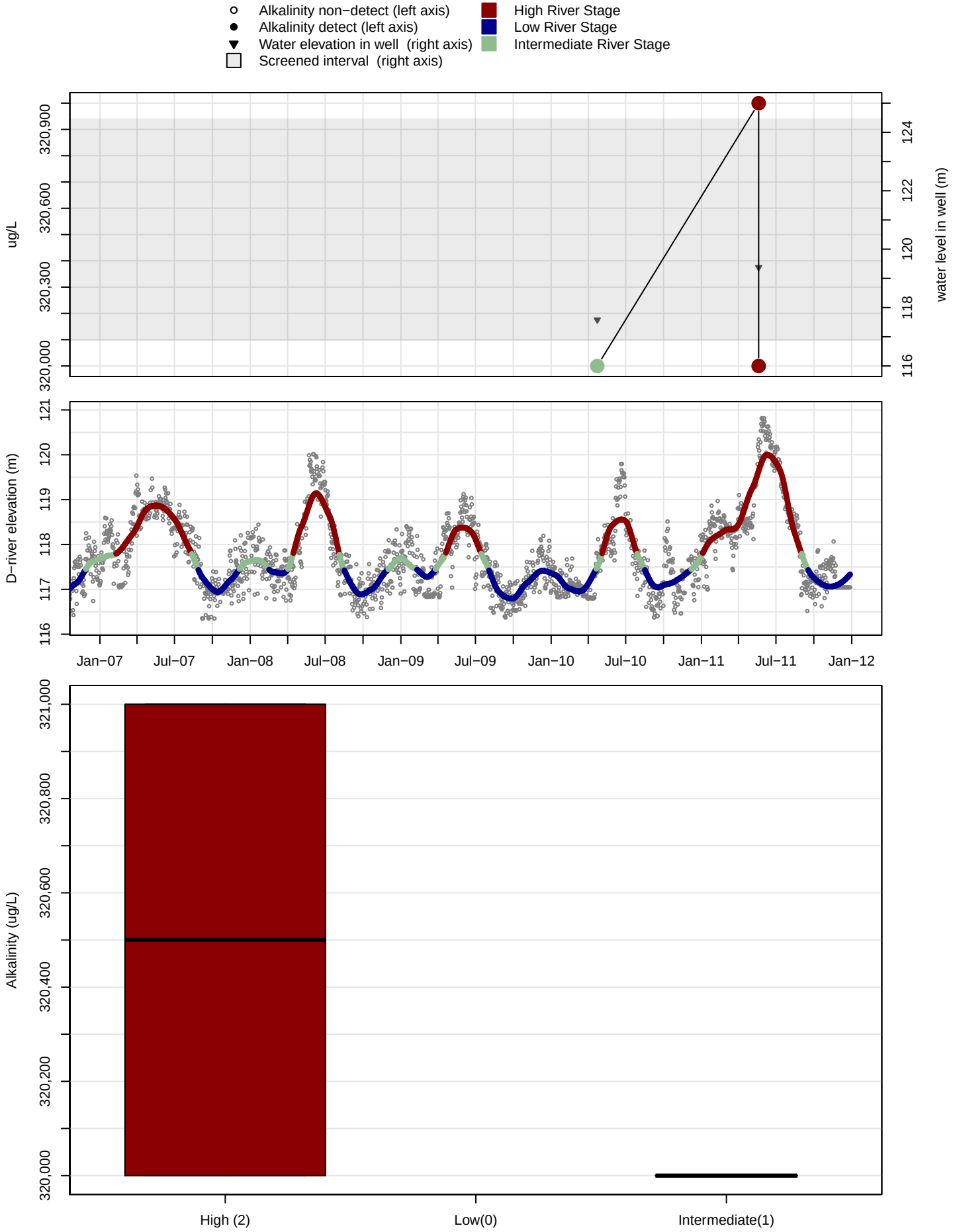
Mann Whitney p = NA t−test p = NA

199−N−167 (131m) Lag (Indeterminate)



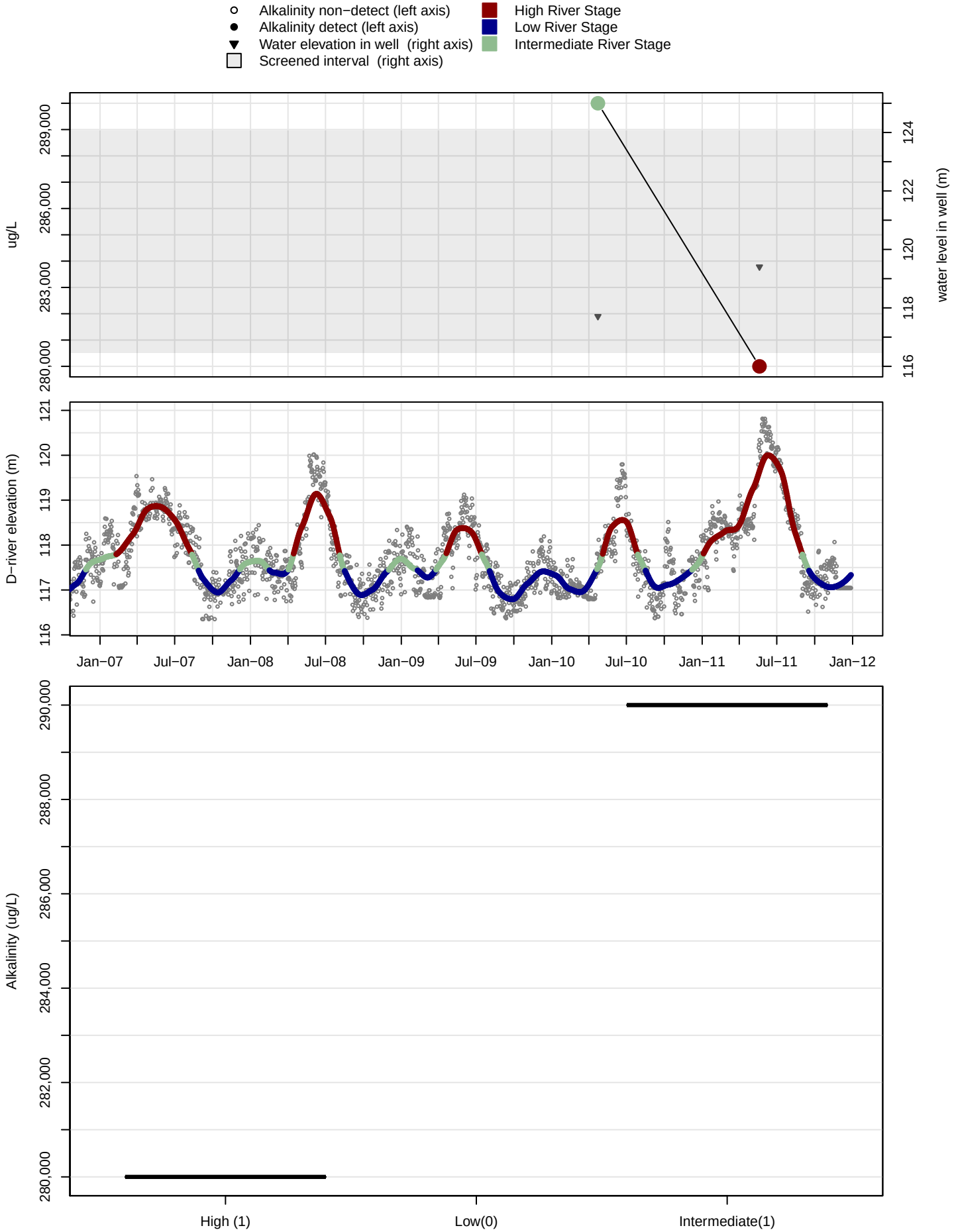
Mann Whitney p = NA t−test p = NA

199−N−169 (126m) Lag (Indeterminate)



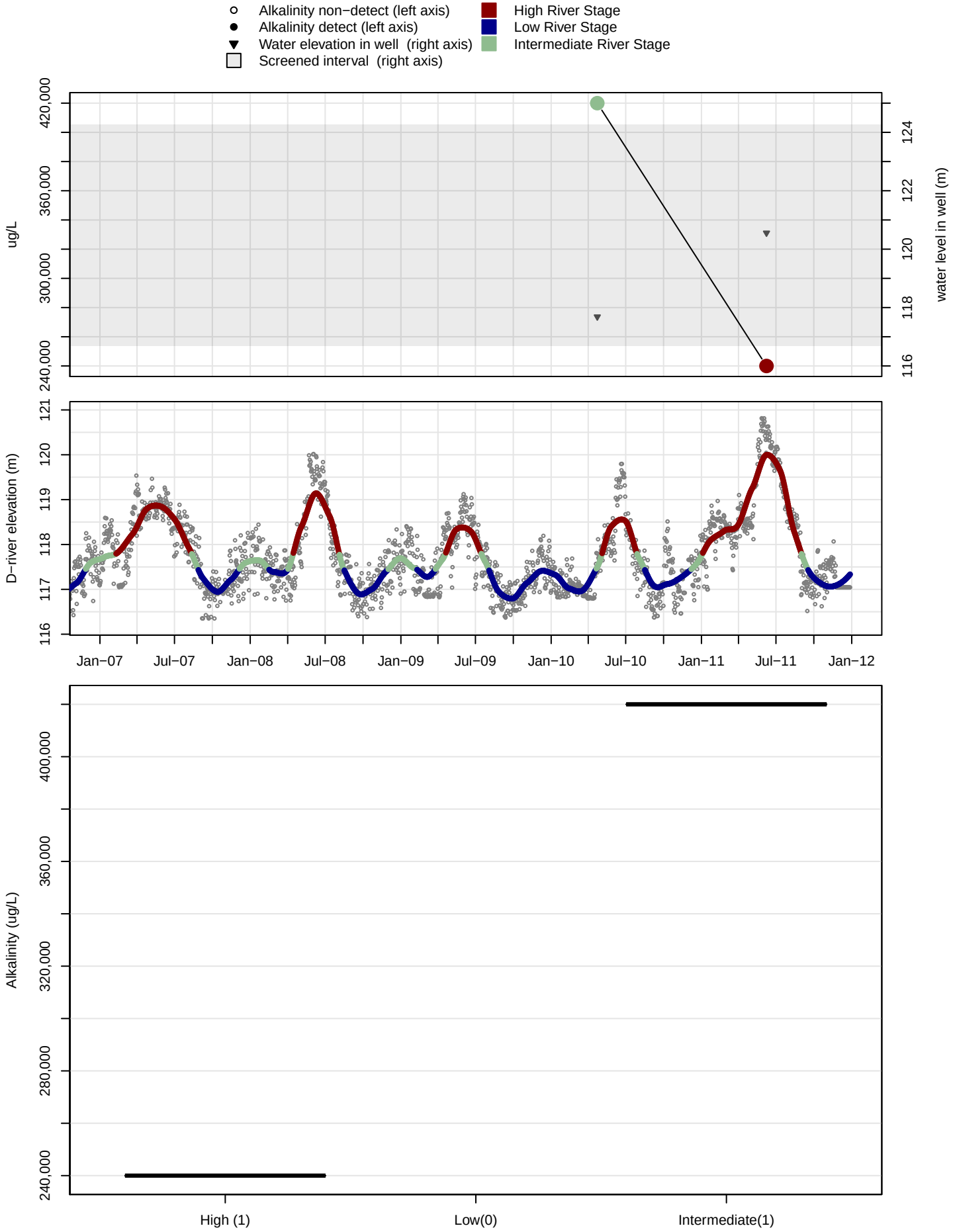
Mann Whitney p = NA t−test p = NA

199−N−170 (116m) Lag (Indeterminate)



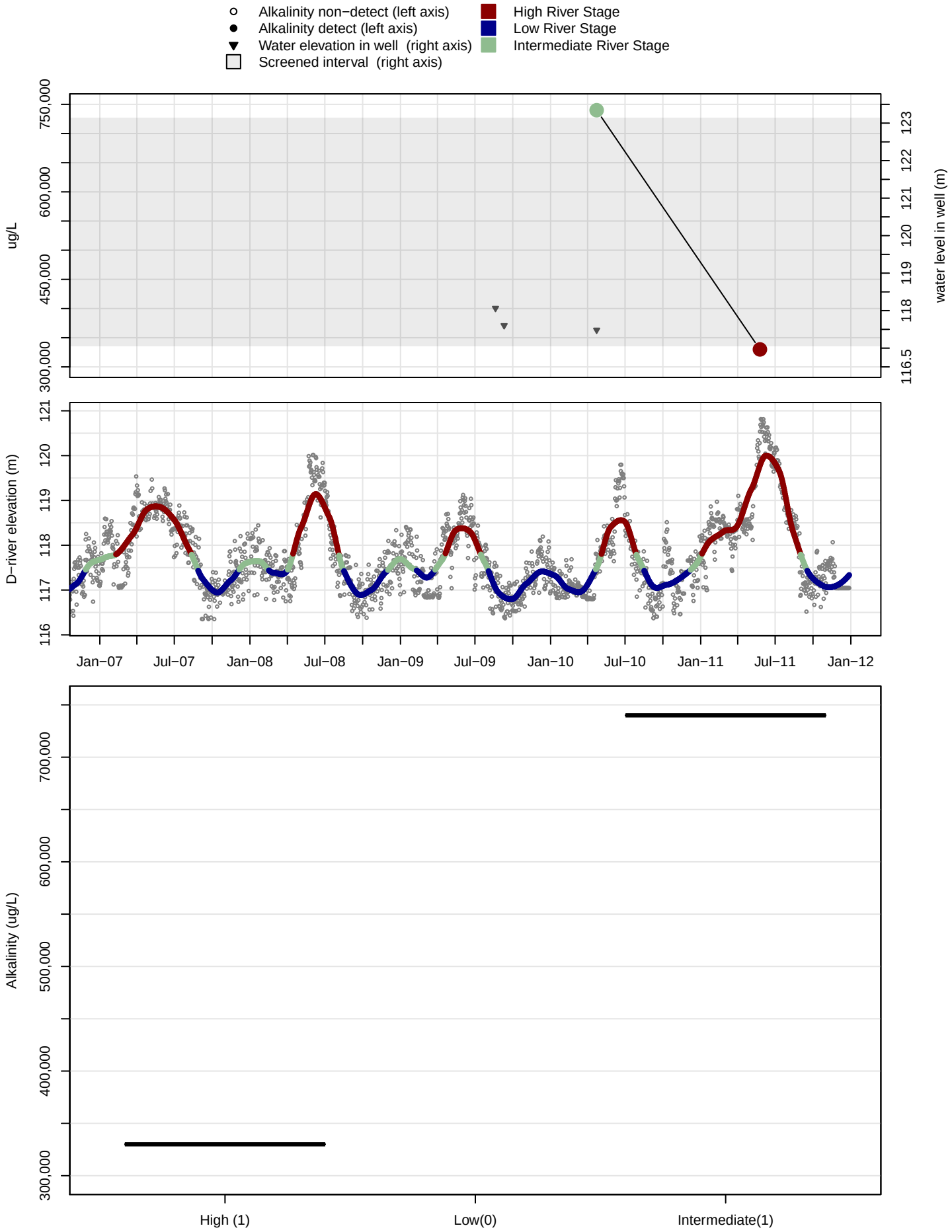
Mann Whitney p = NA t−test p = NA

199−N−171 (108m) Lag (Indeterminate)



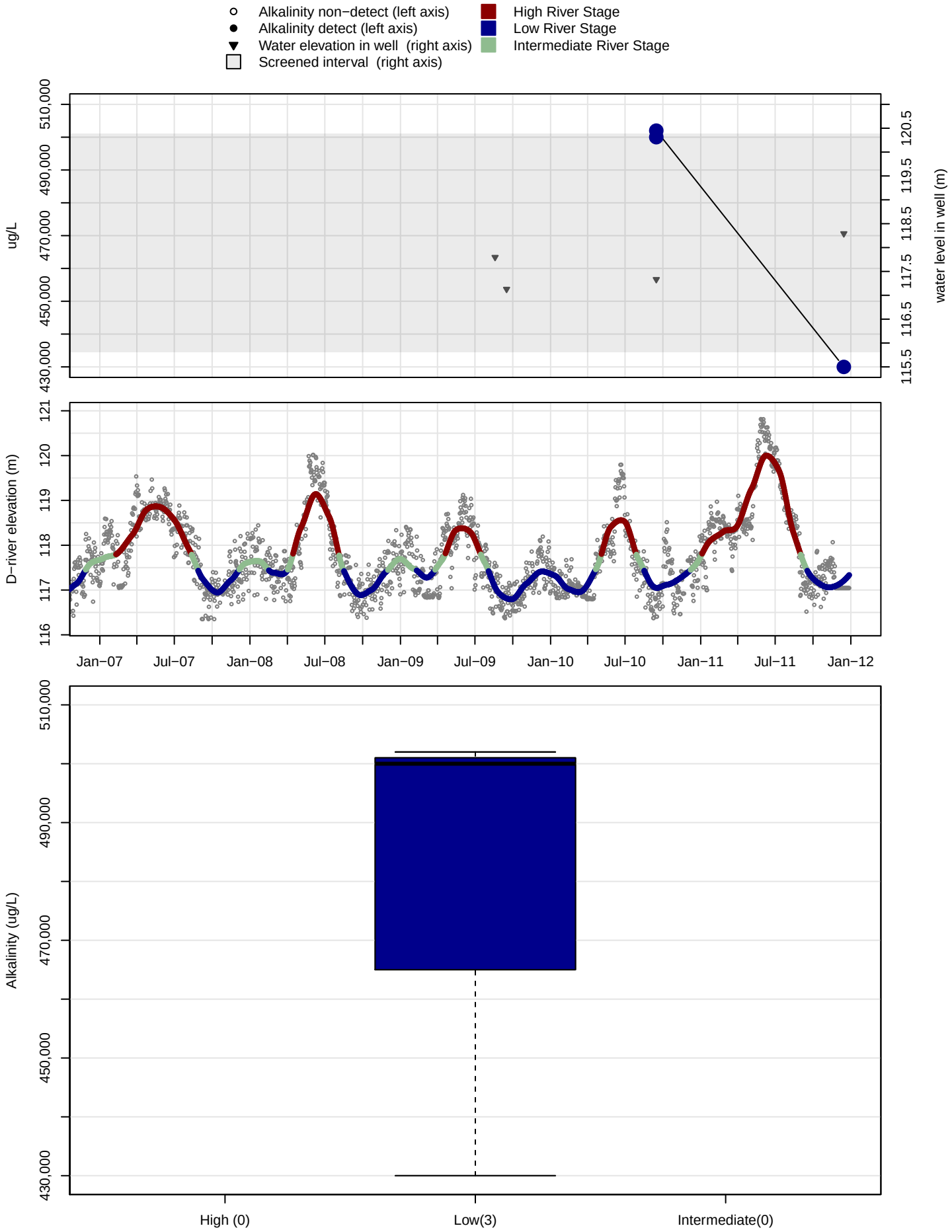
Mann Whitney p = NA t−test p = NA

199−N−172 (81m) Lag (Indeterminate)



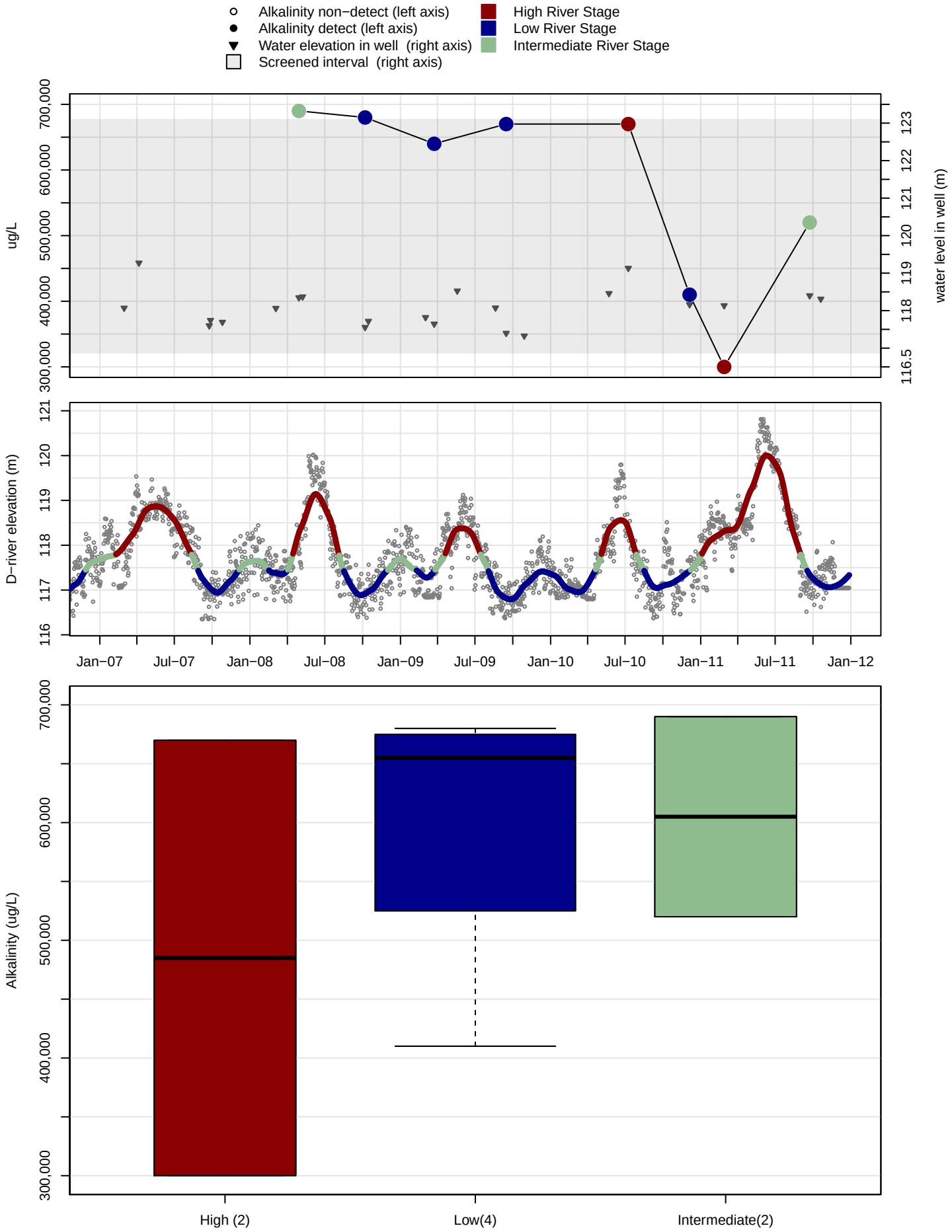
Mann Whitney p = NA t−test p = NA

199−N−173 (12m) Lag (Indeterminate)



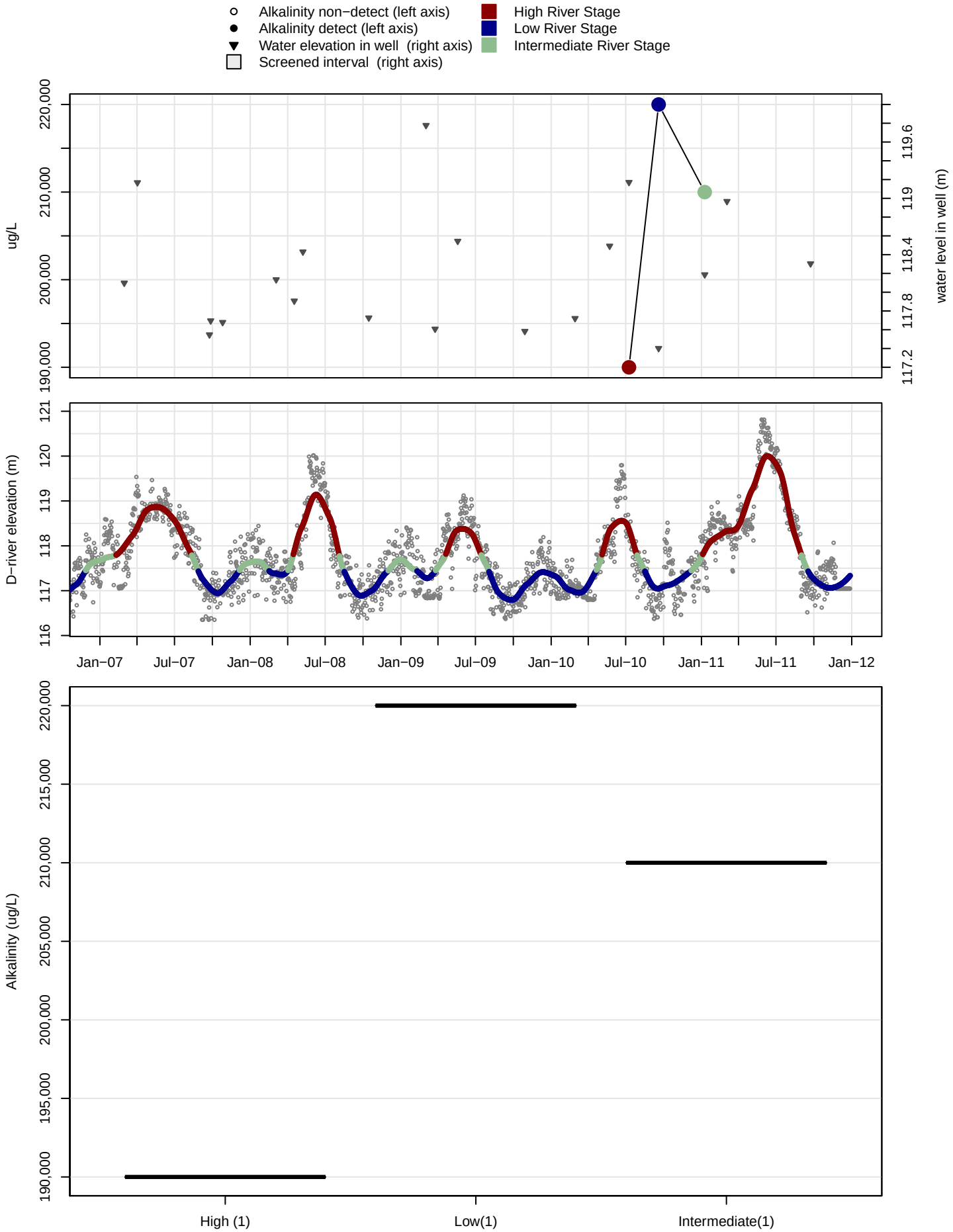
Mann Whitney p = NA t−test p = NA

199−N−18 (72m) Lag (18 Days)



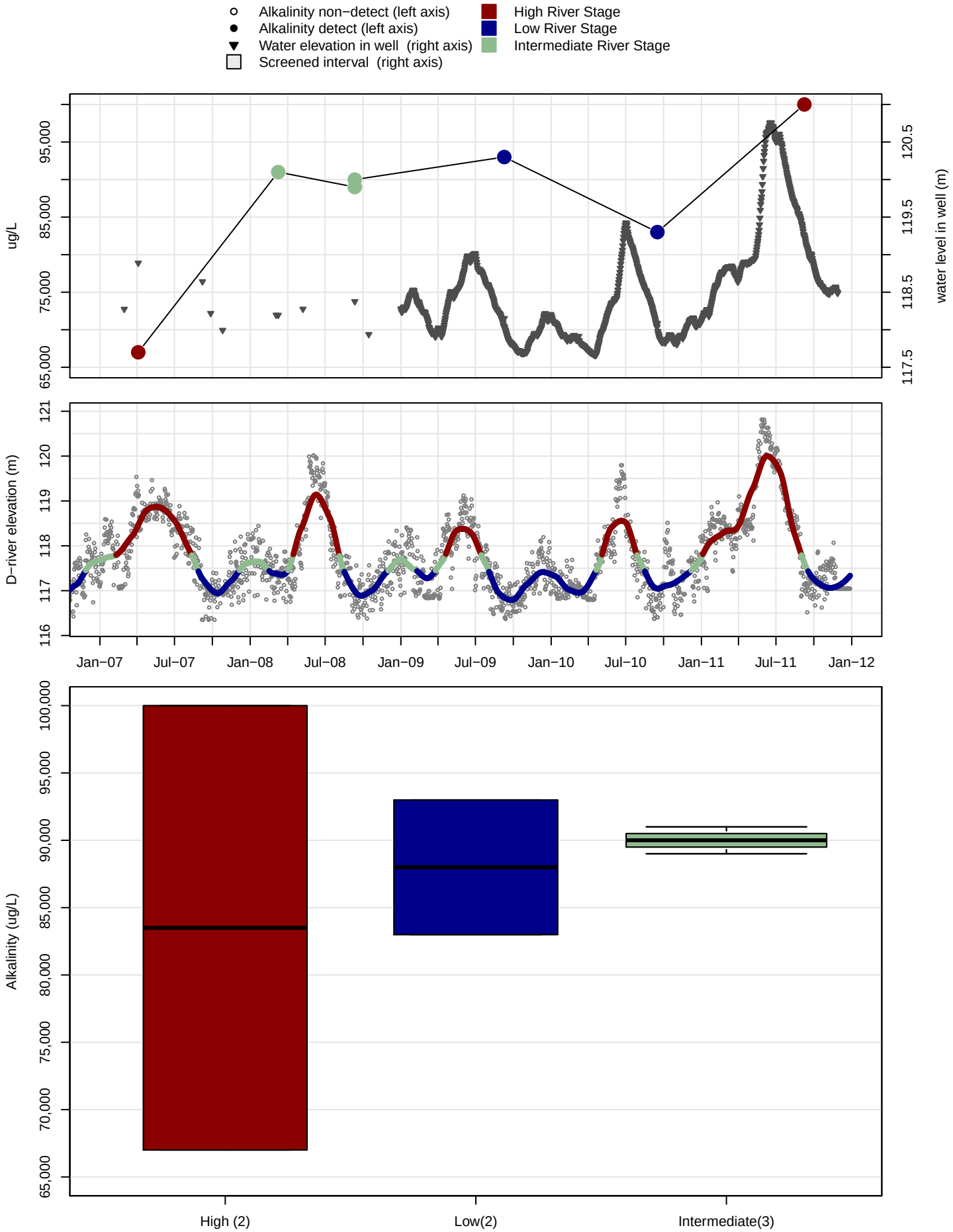
Mann Whitney p = NA t−test p = NA

199−N−19 (47m) Lag (19 Days)



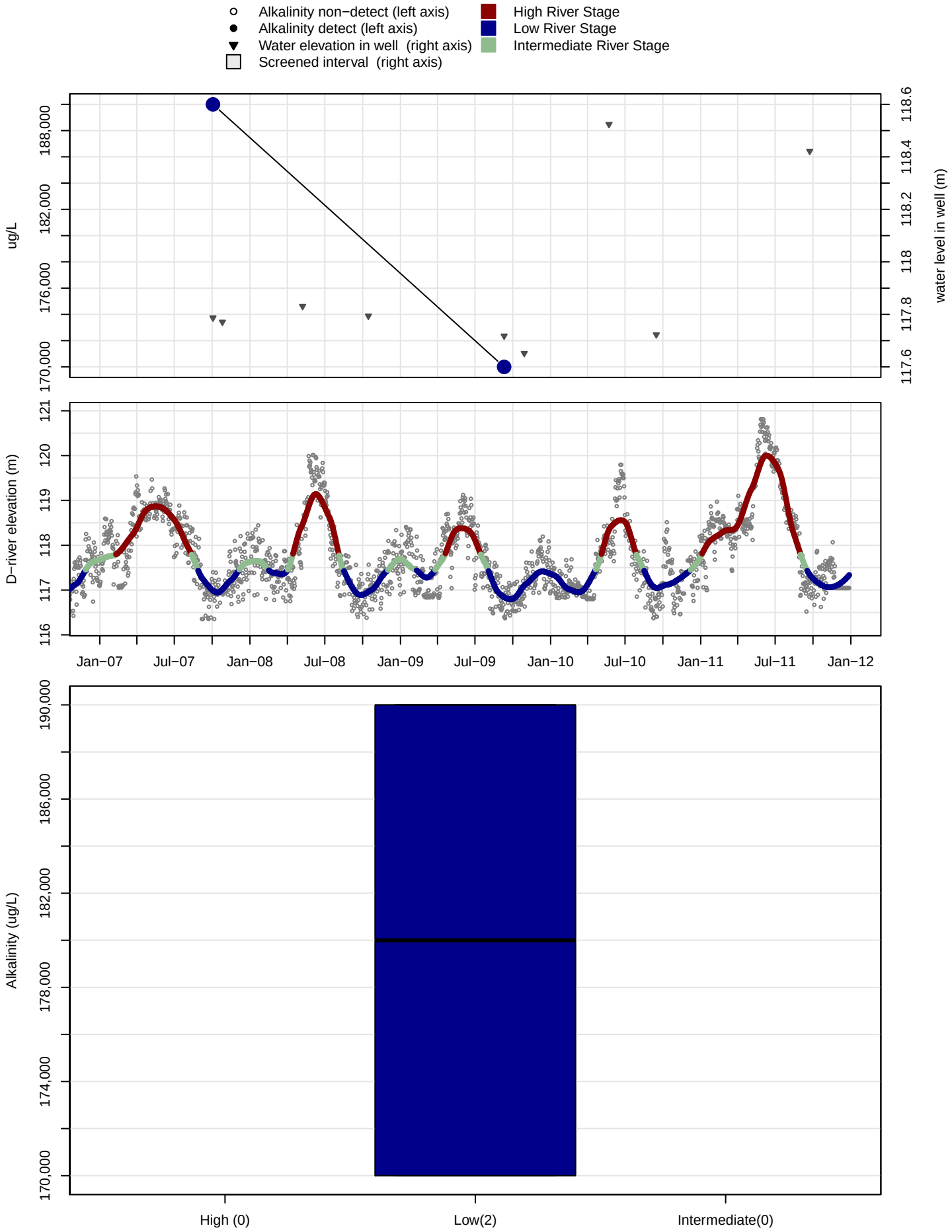
Mann Whitney p = NA t−test p = NA

199−N−2 (163m) Lag (26 Days)



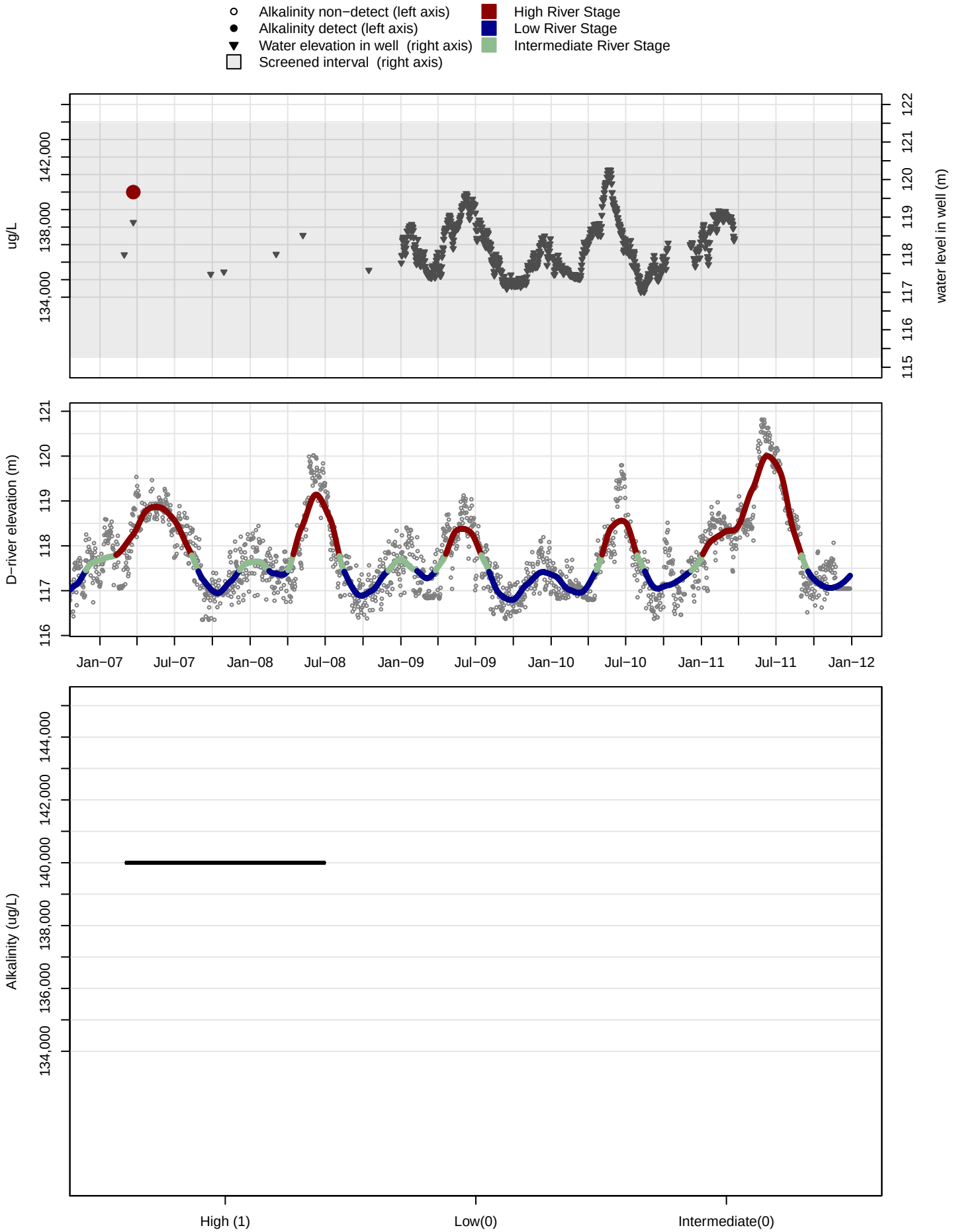
Mann Whitney p = NA t−test p = NA

199−N−21 (57m) Lag (23 Days)



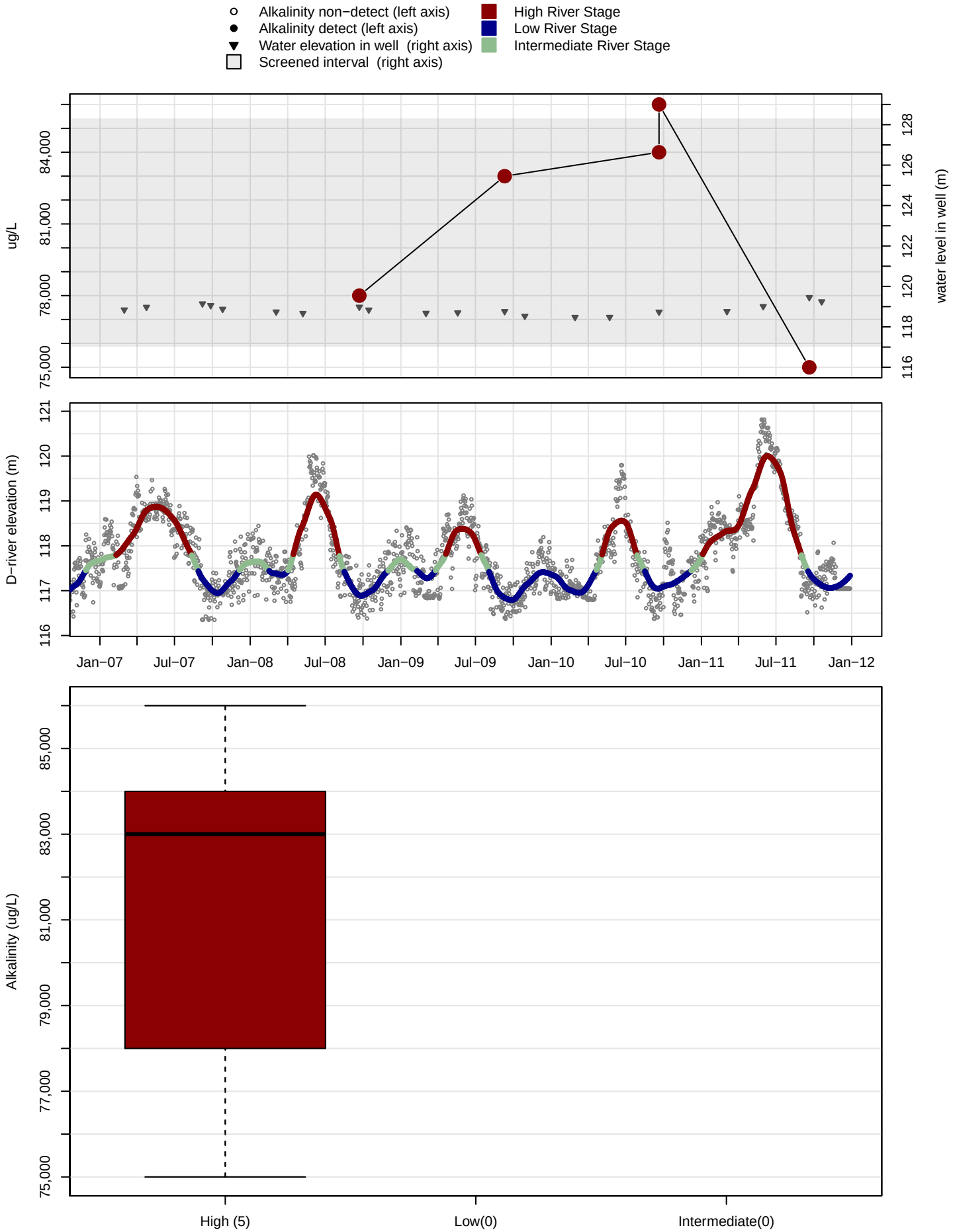
Mann Whitney p = NA t−test p = NA

199−N−26 (69m) Lag (0 Days)



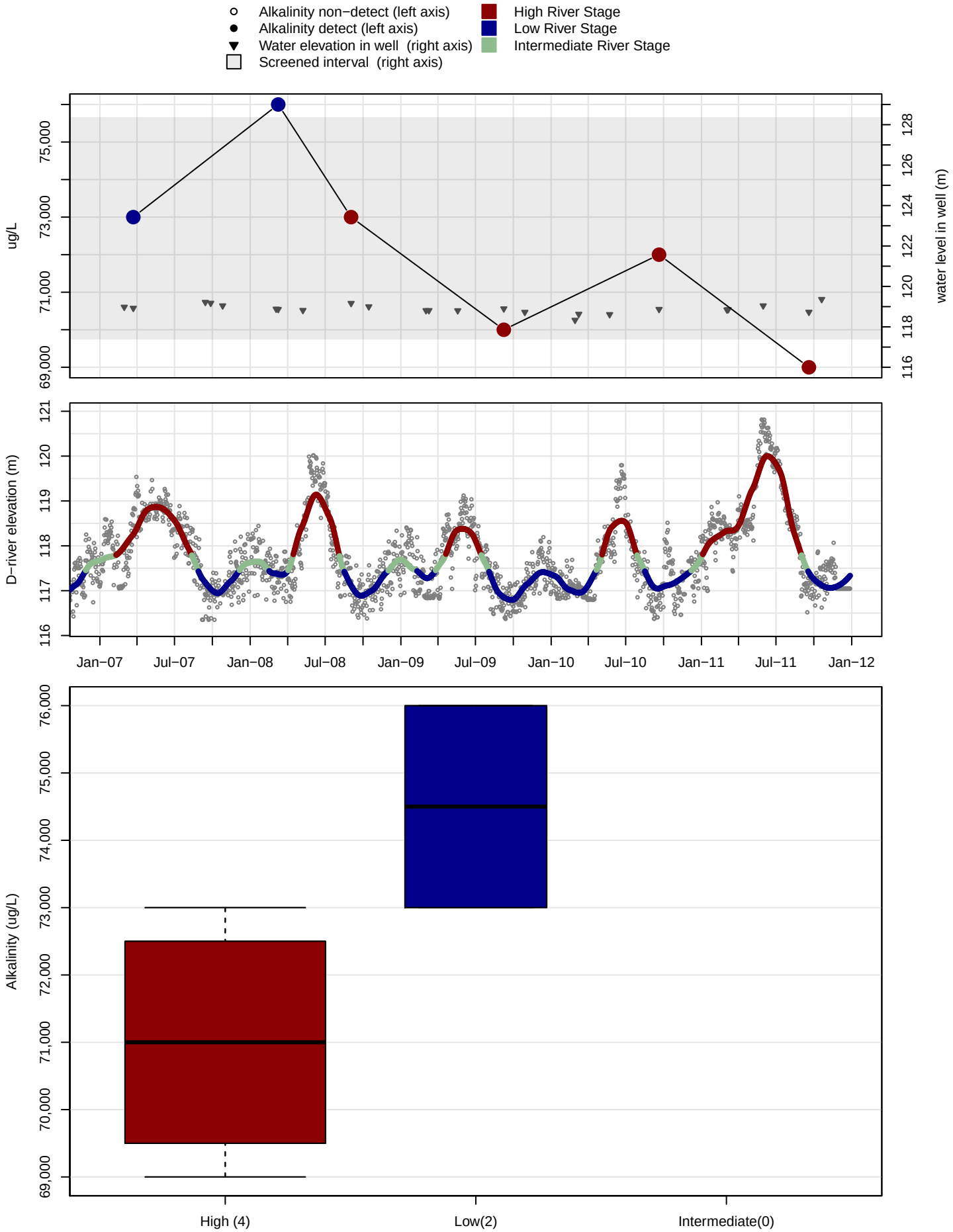
Mann Whitney p = NA t−test p = NA

199−N−27 (745m) Lag (71 Days)



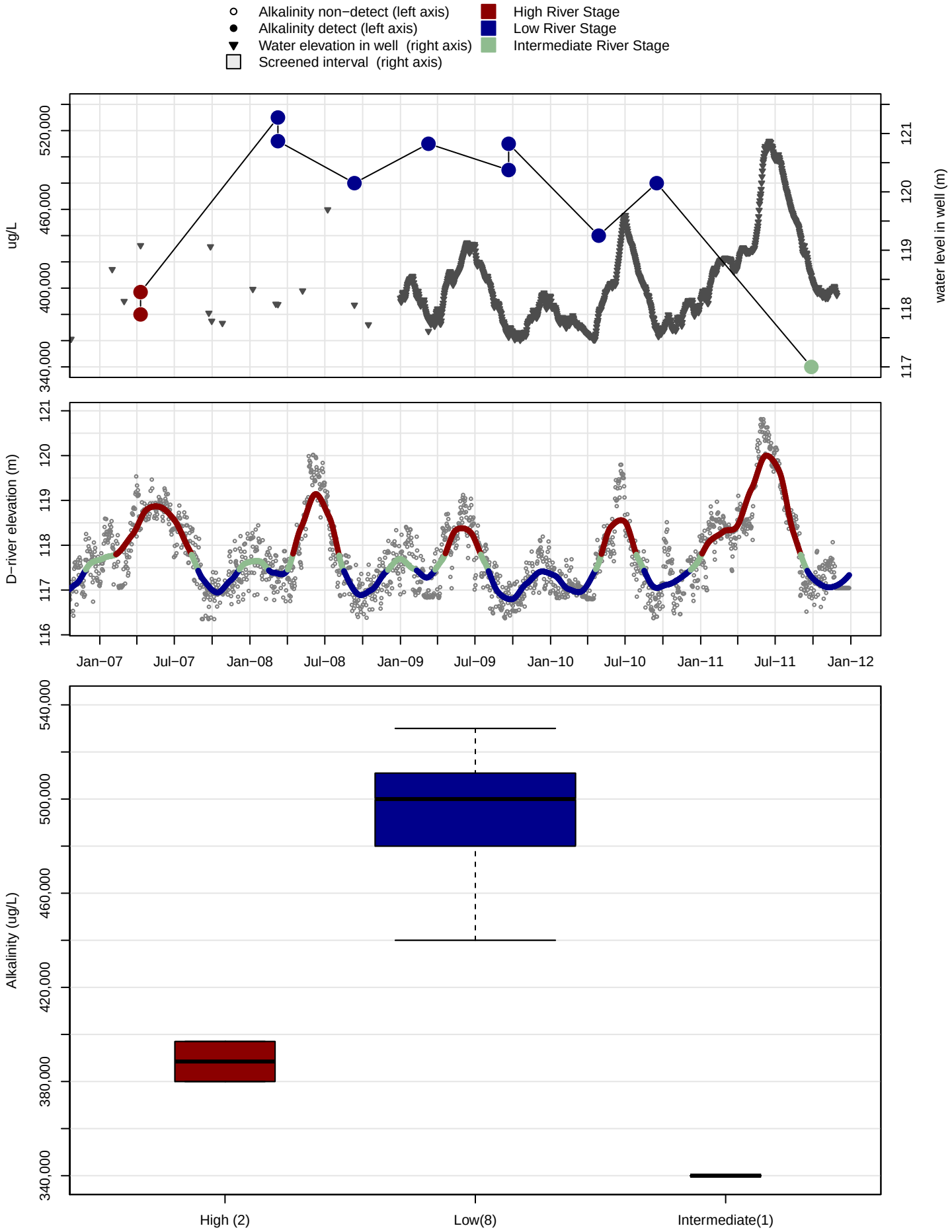
Mann Whitney p = NA t−test p = NA

199−N−28 (774m) Lag (123 Days)



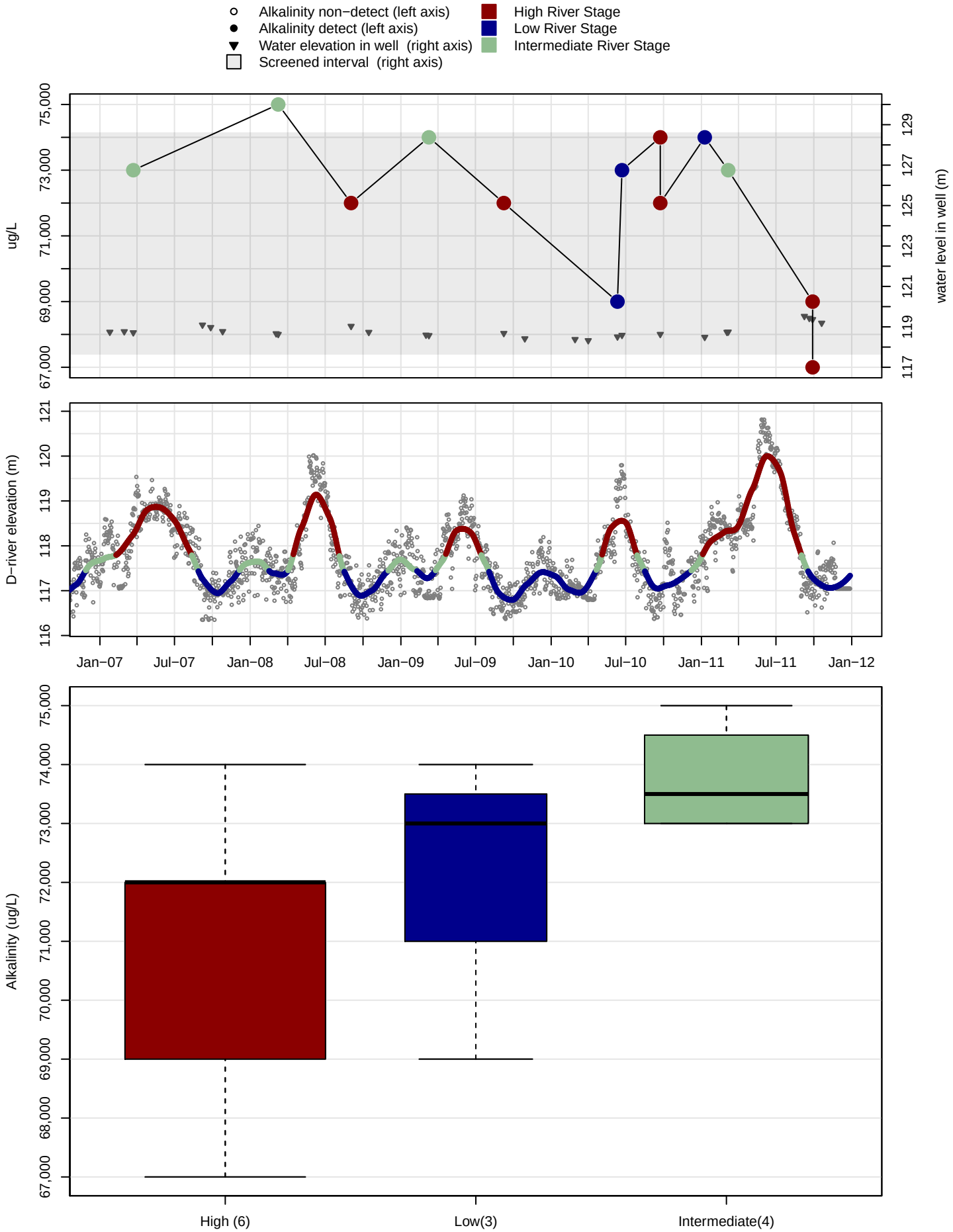
Mann Whitney p = NA t−test p = NA

199−N−3 (96m) Lag (18 Days)



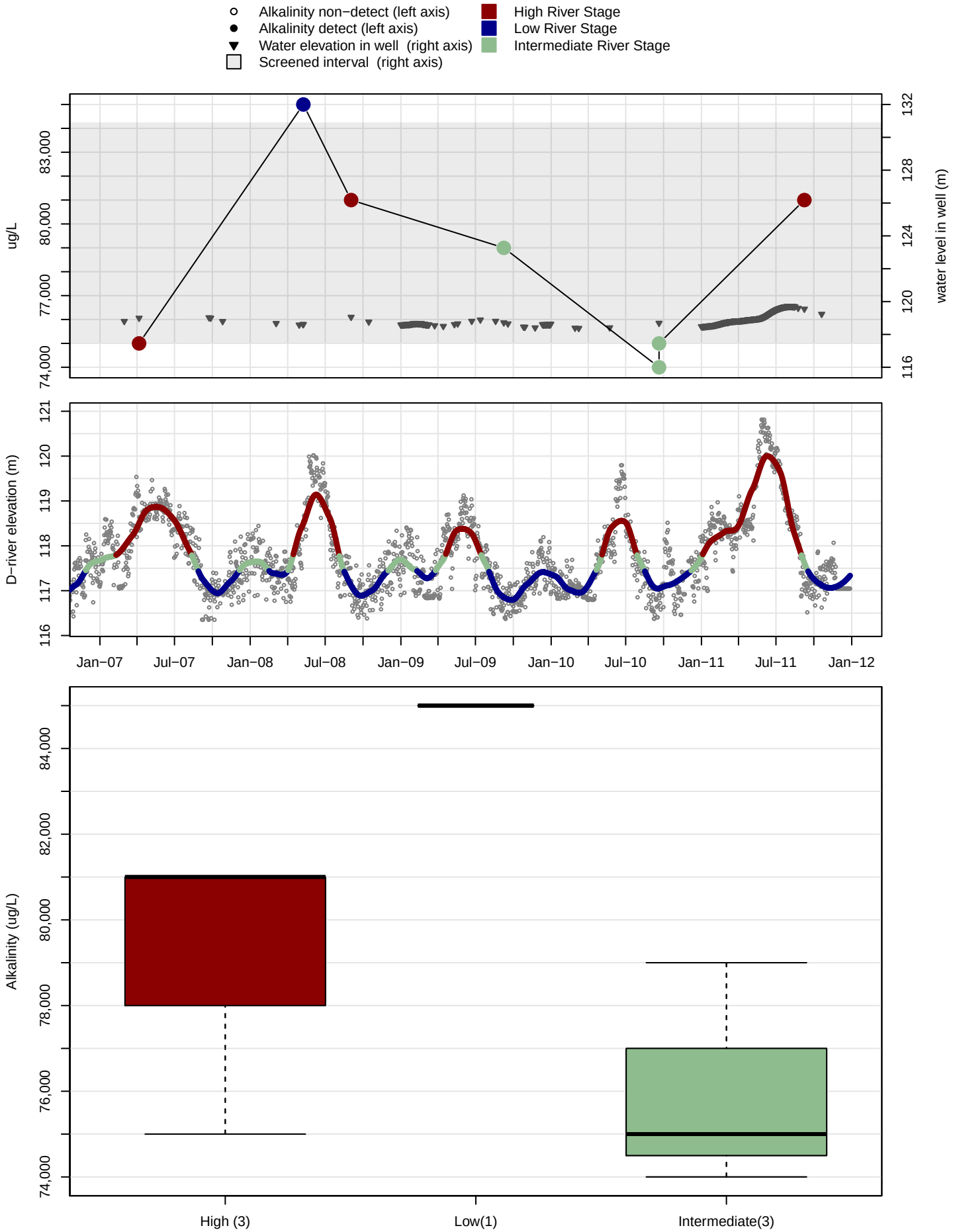
Mann Whitney p = NA t−test p = NA

199−N−32 (597m) Lag (63 Days)



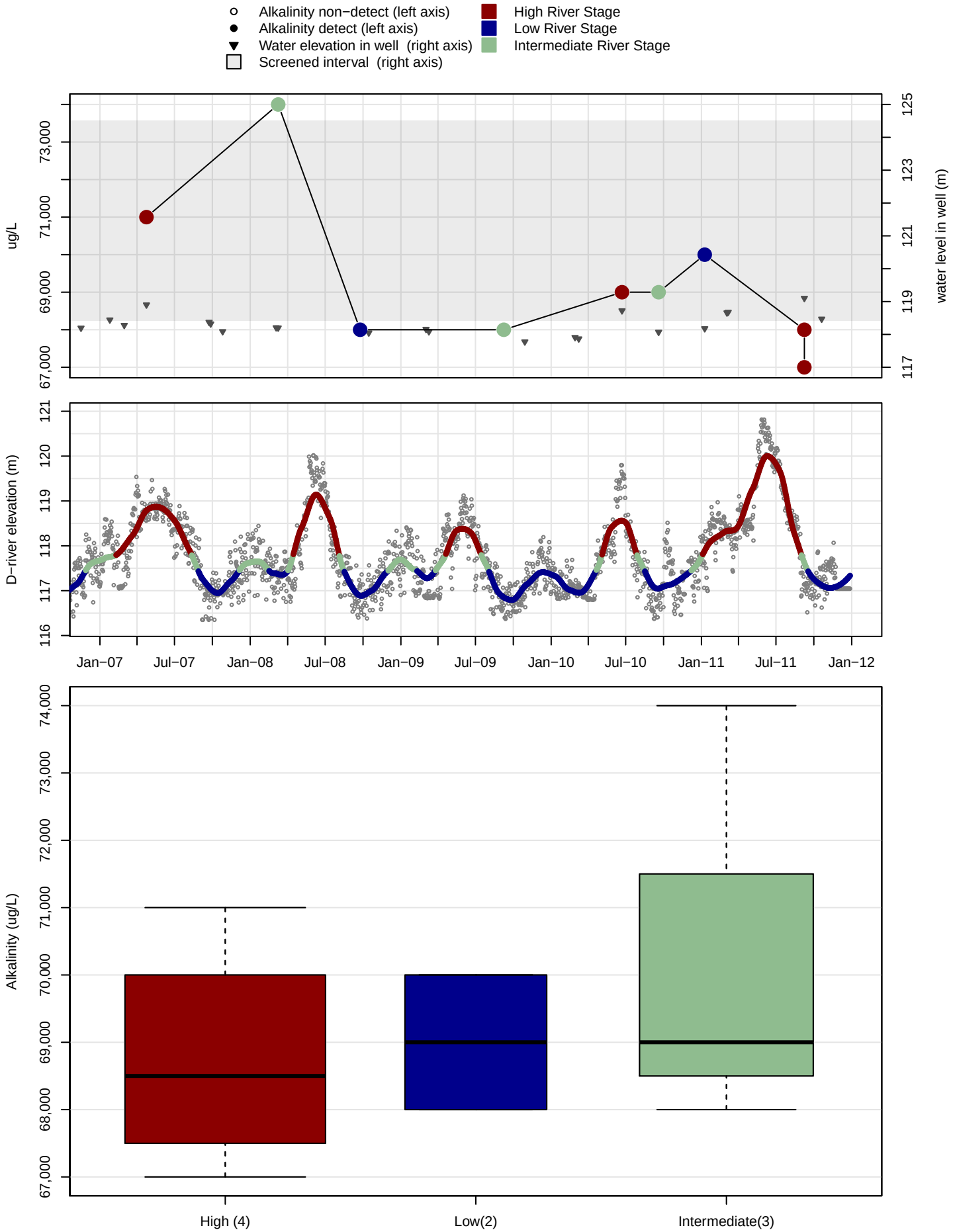
Mann Whitney p = 5.12e−01 t−test p = 6.17e−01

199−N−34 (493m) Lag (51 Days)



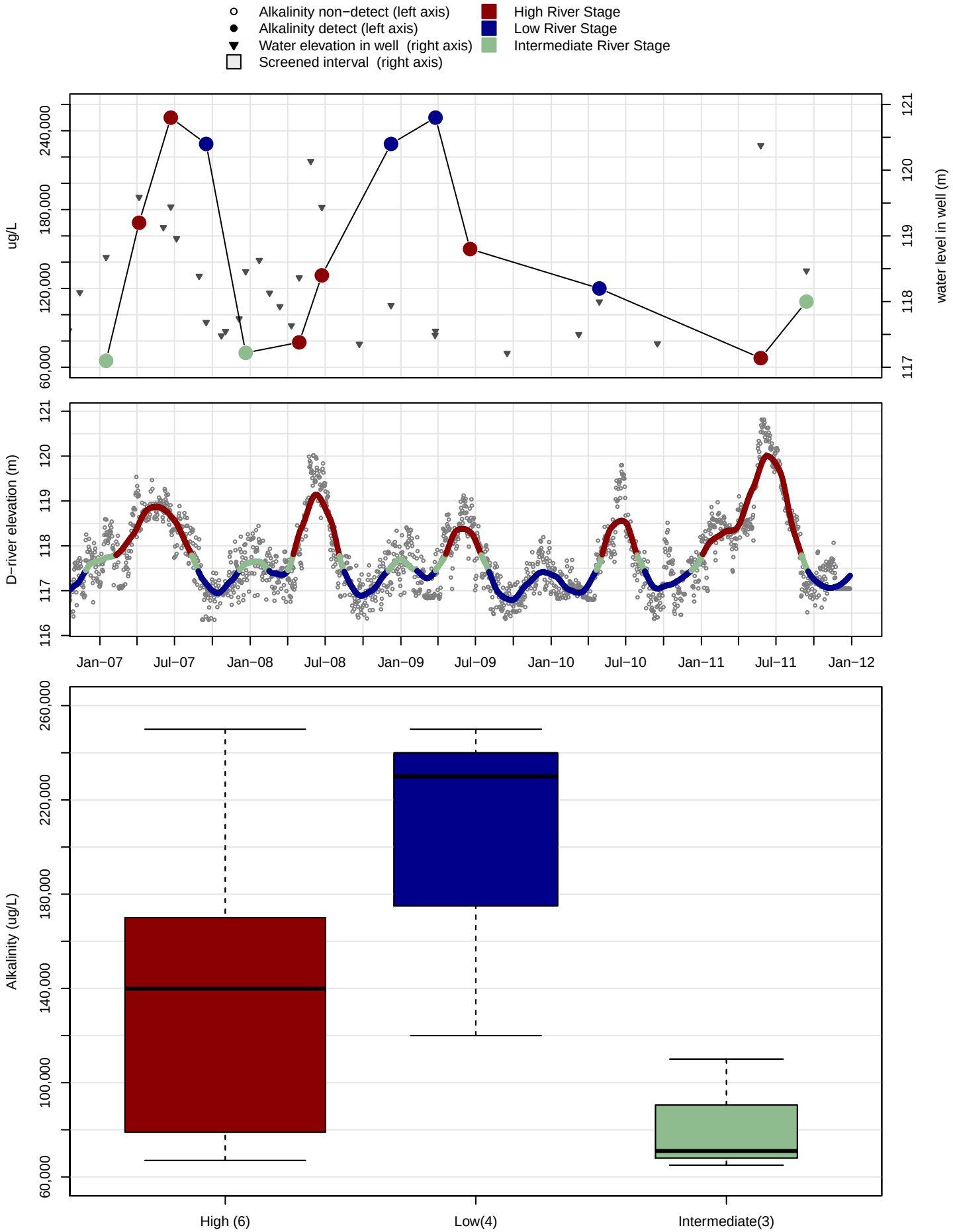
Mann Whitney p = NA t−test p = NA

199−N−41 (679m) Lag (35 Days)



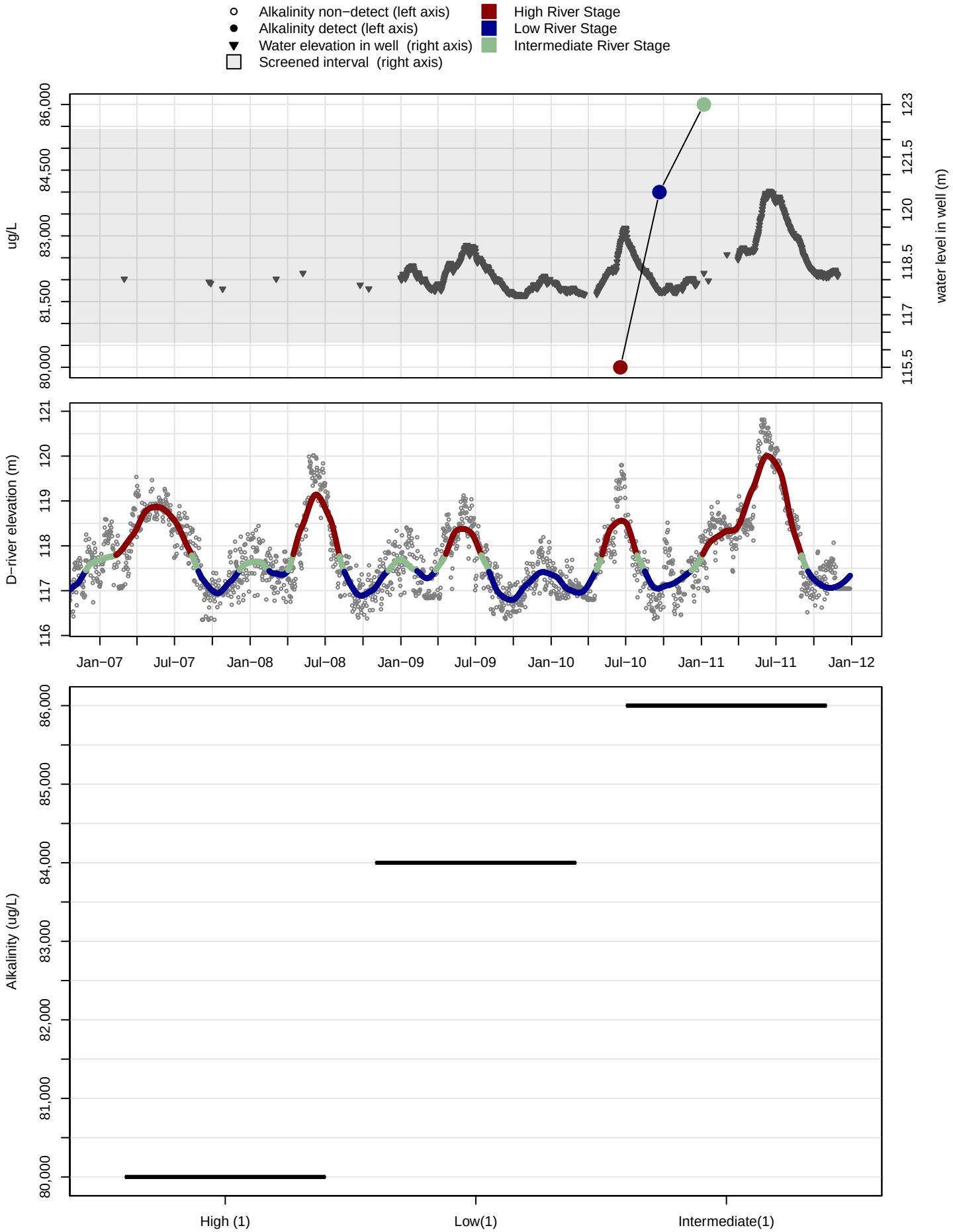
Mann Whitney p = NA t−test p = NA

199−N−46 (14m) Lag (7 Days)



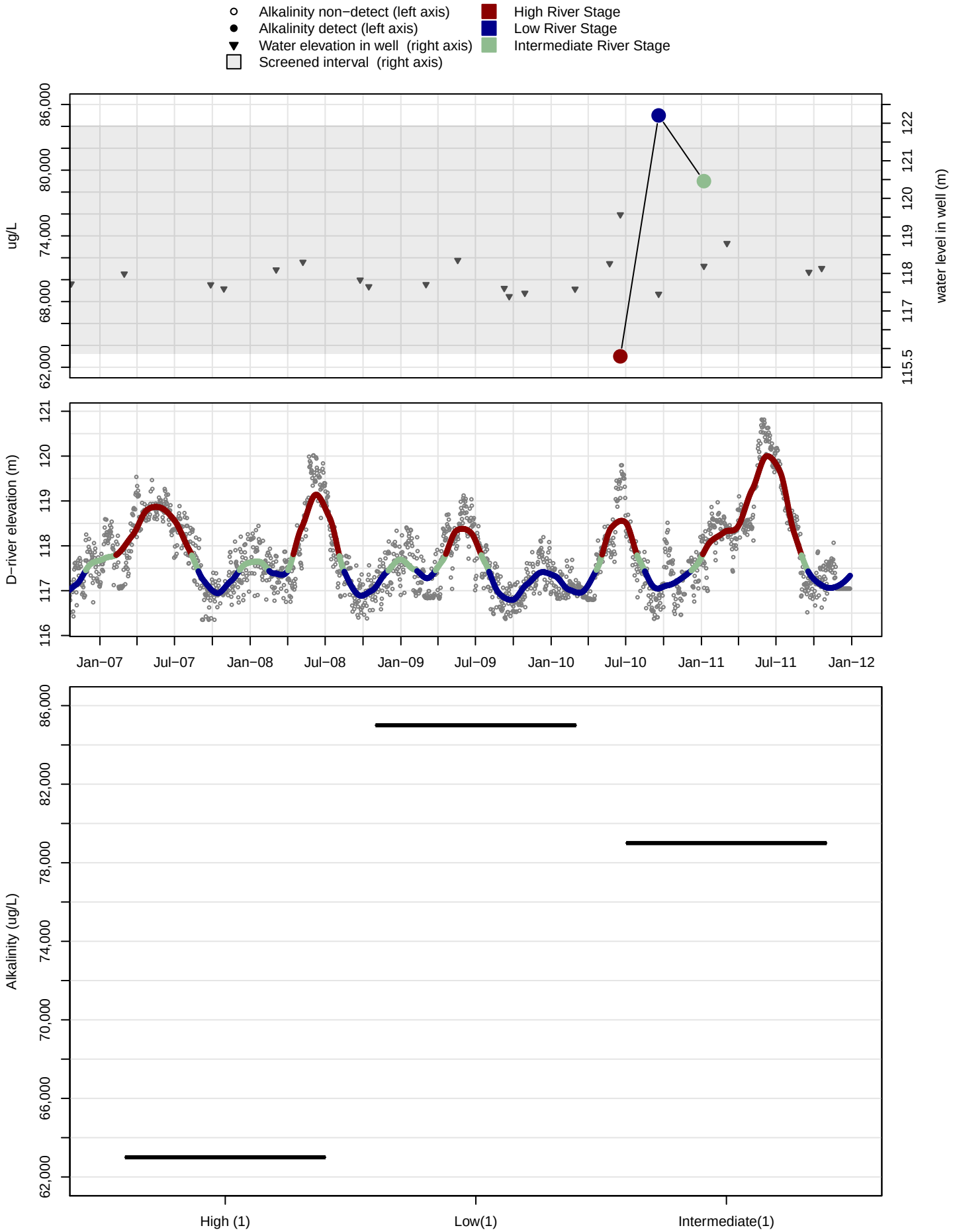
Mann Whitney p = 2.86e−01 t−test p = 1.41e−01

199−N−50 (414m) Lag (16 Days)



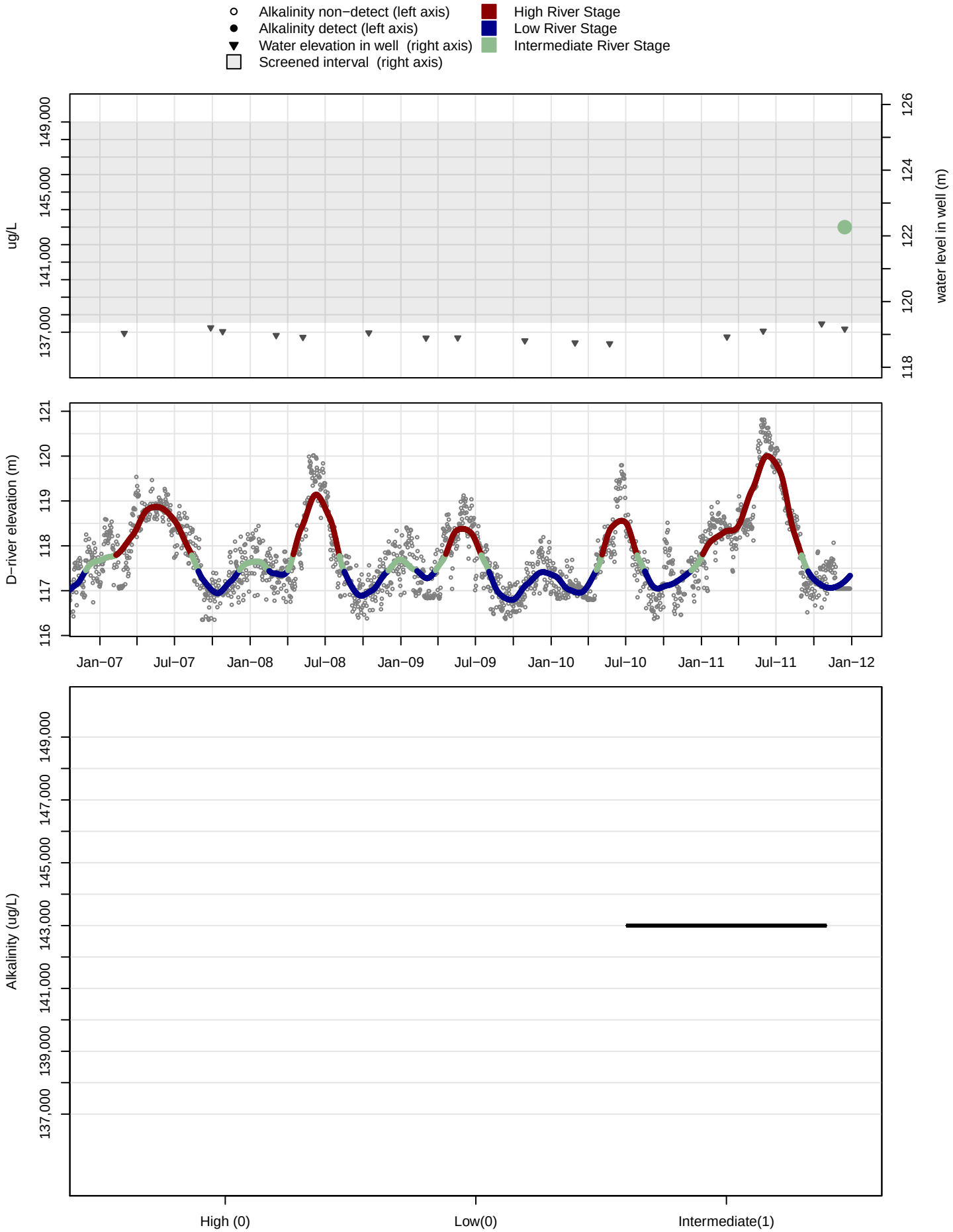
Mann Whitney p = NA t−test p = NA

199−N−51 (65m) Lag (18 Days)



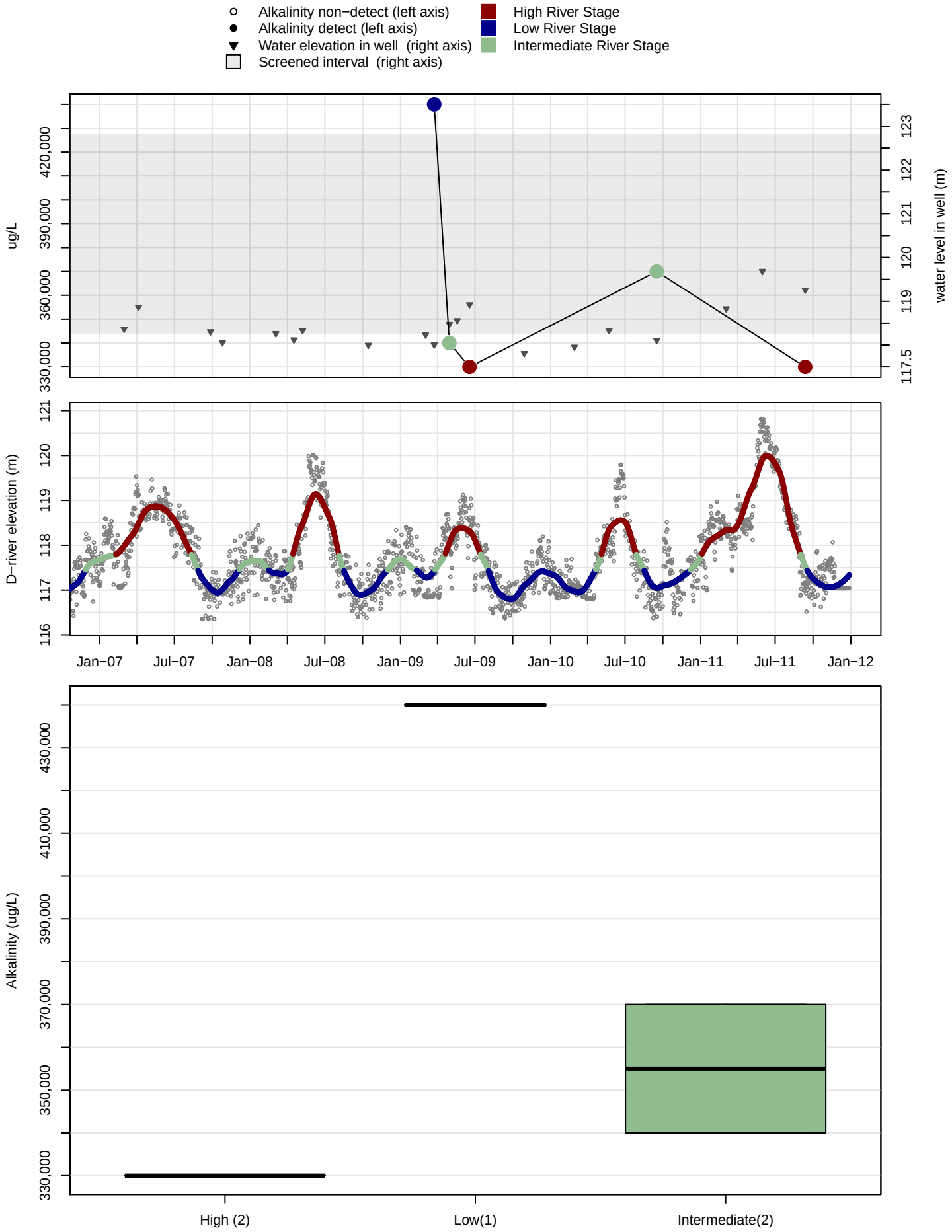
Mann Whitney p = NA t−test p = NA

199−N−52 (1060m) Lag (89 Days)



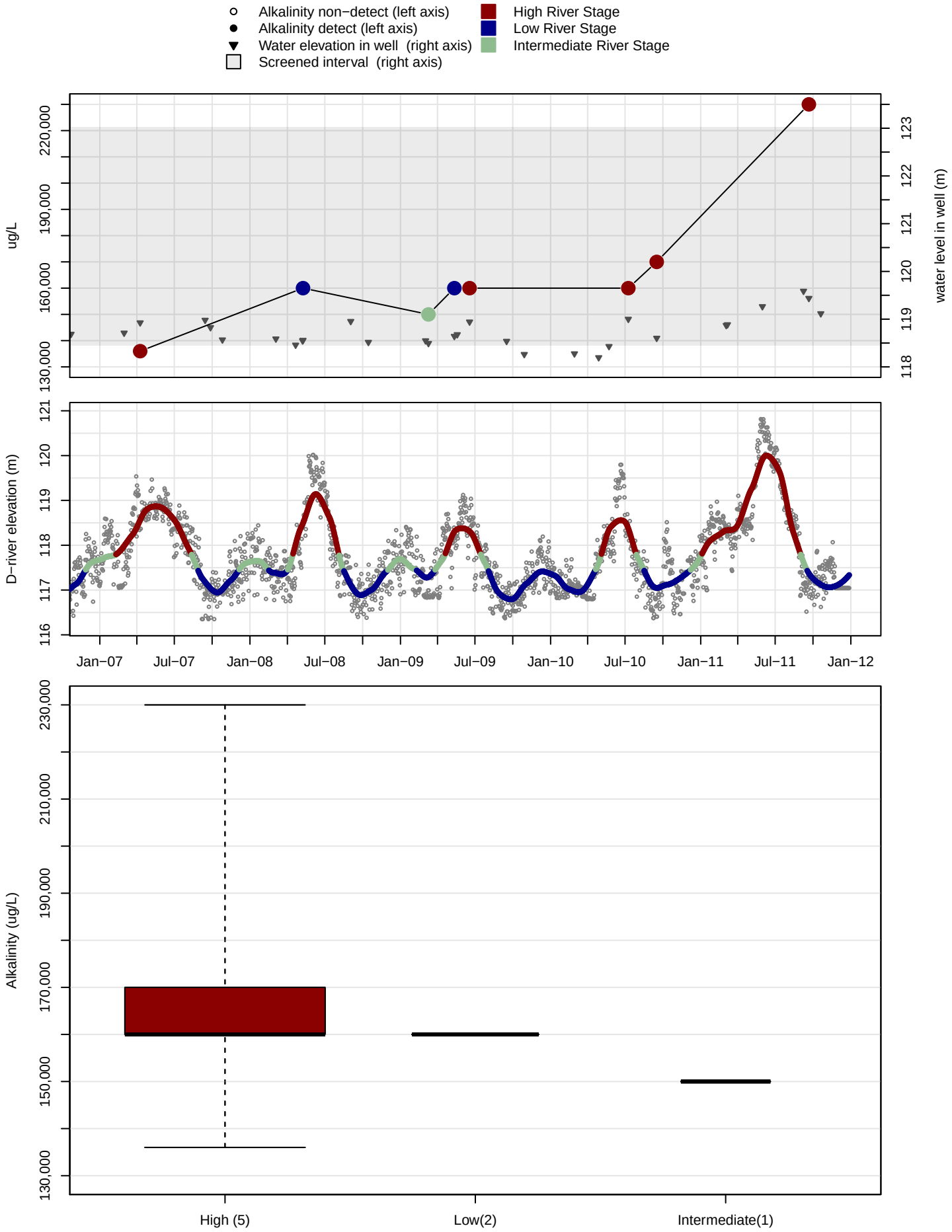
Mann Whitney p = NA t−test p = NA

199−N−56 (193m) Lag (32 Days)



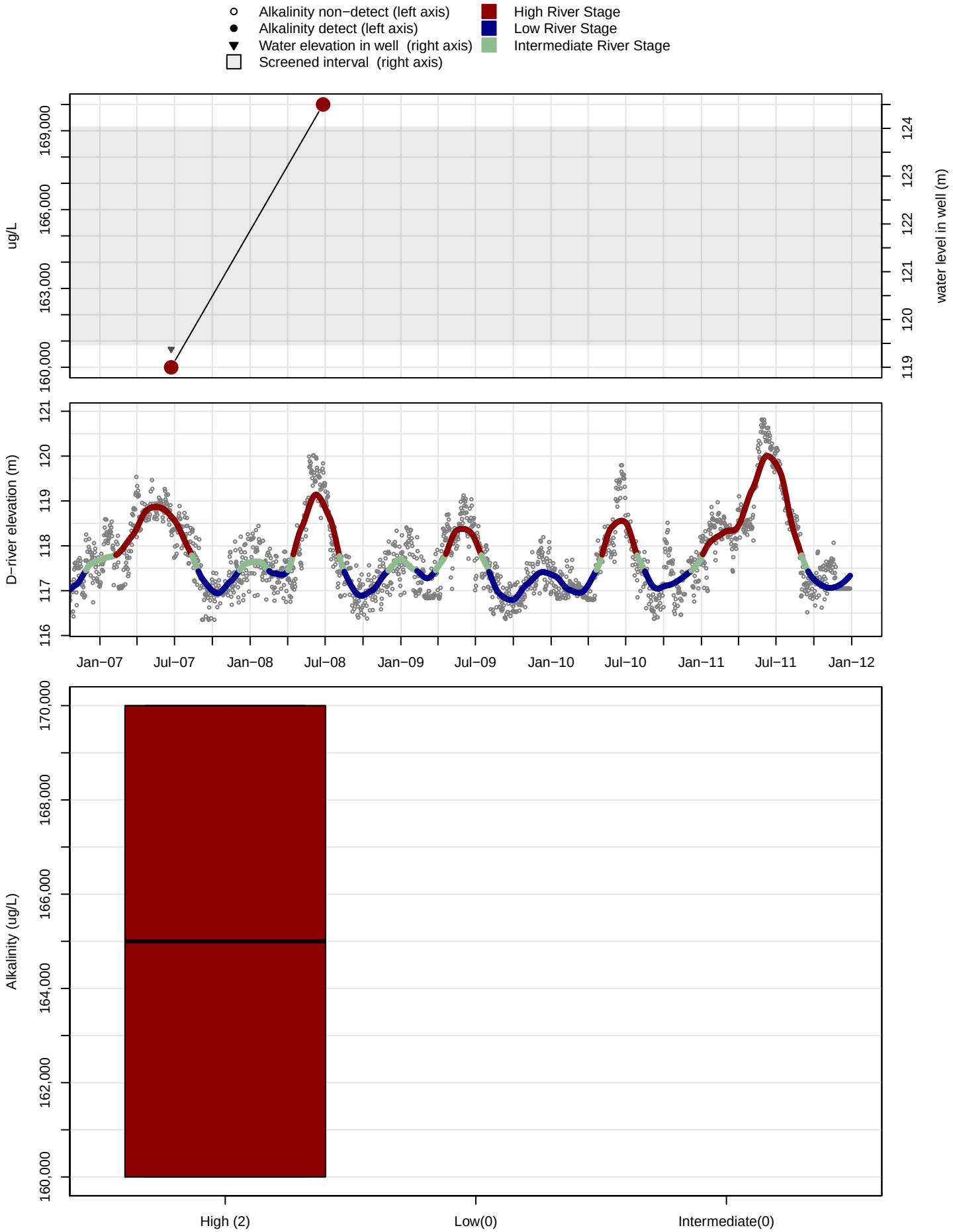
Mann Whitney p = NA t−test p = NA

199−N−57 (301m) Lag (49 Days)



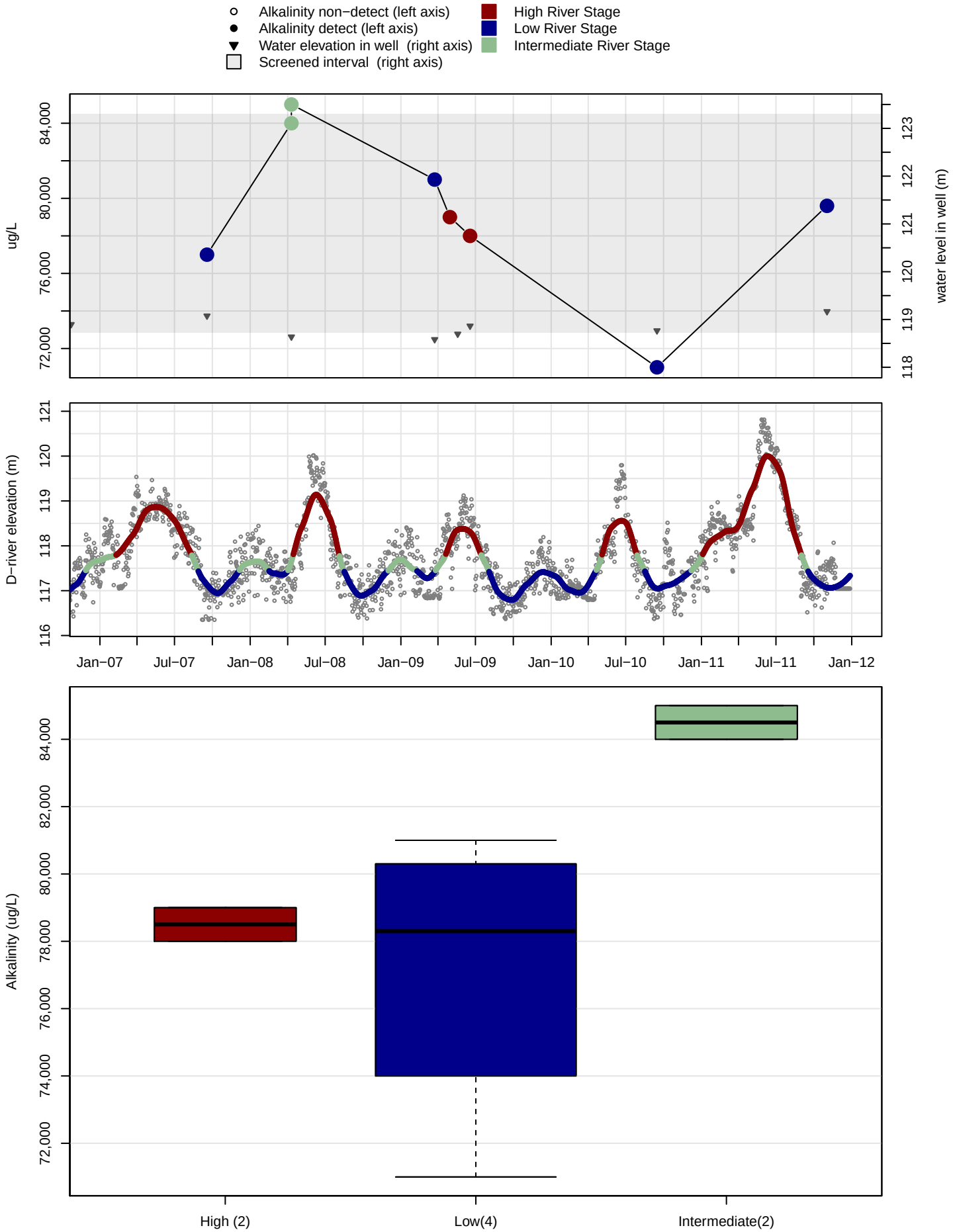
Mann Whitney p = NA t−test p = NA

199−N−59 (394m) Lag (Indeterminate)



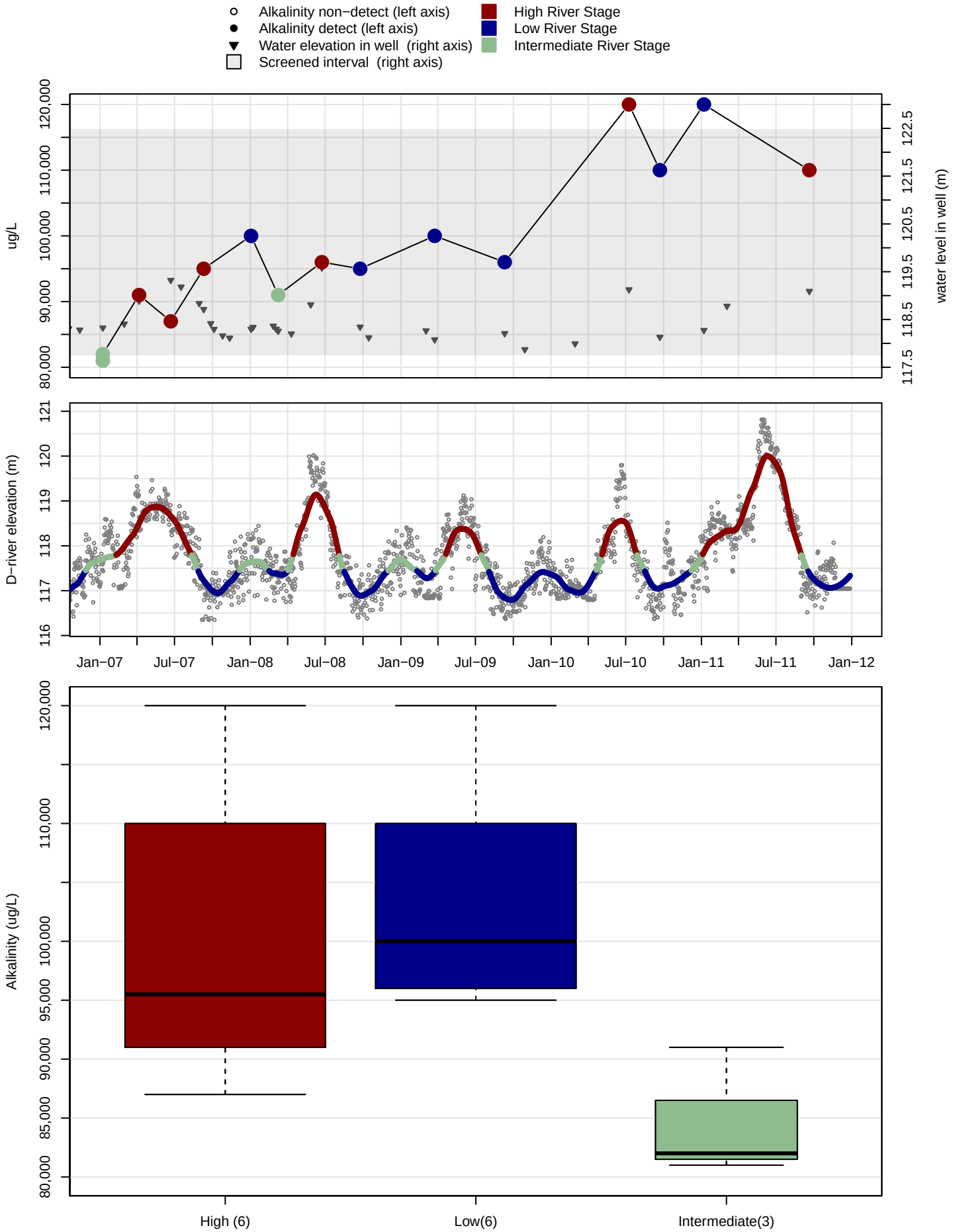
Mann Whitney p = NA t−test p = NA

199−N−64 (430m) Lag (Indeterminate)



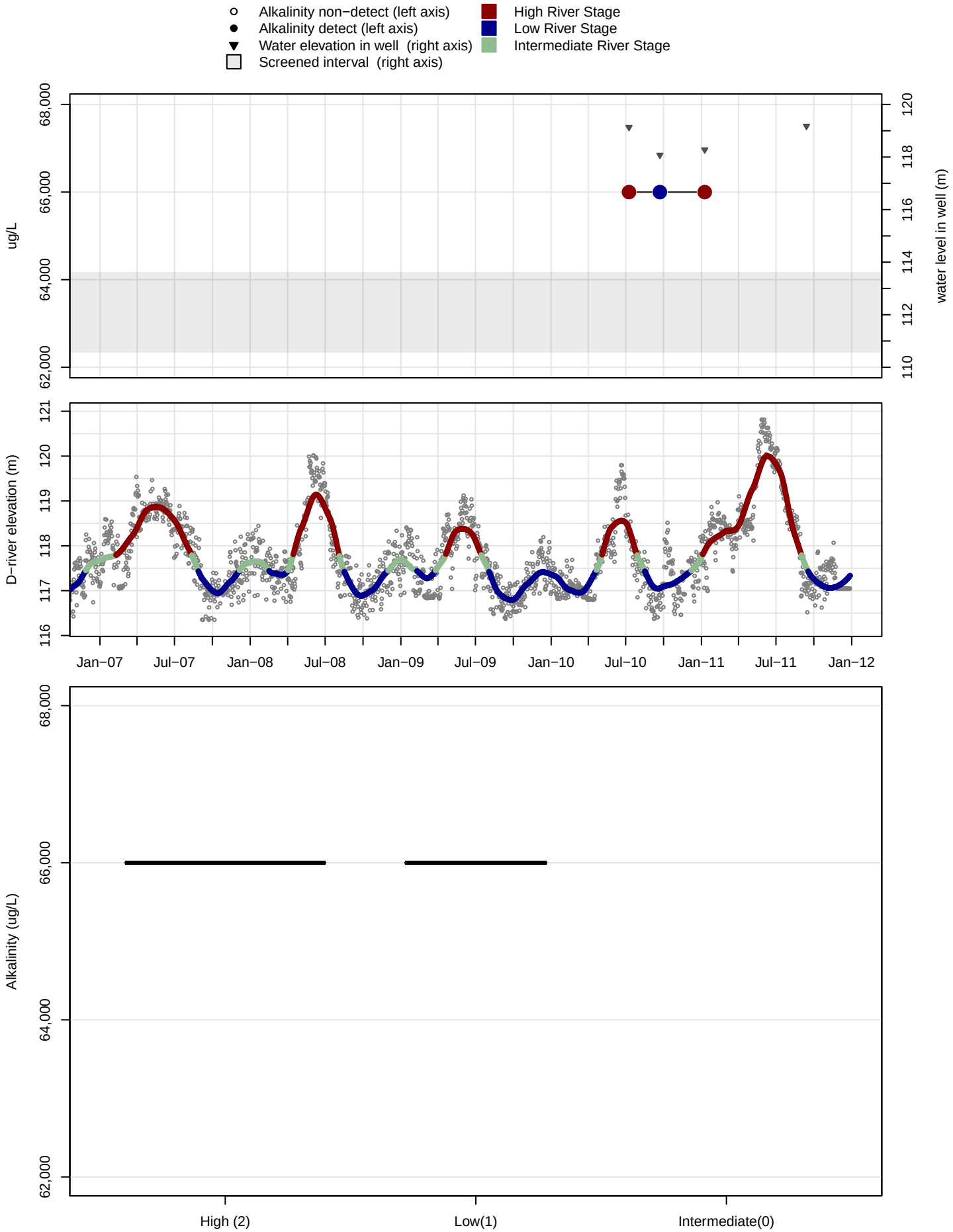
Mann Whitney p = NA t−test p = NA

199−N−67 (219m) Lag (33 Days)



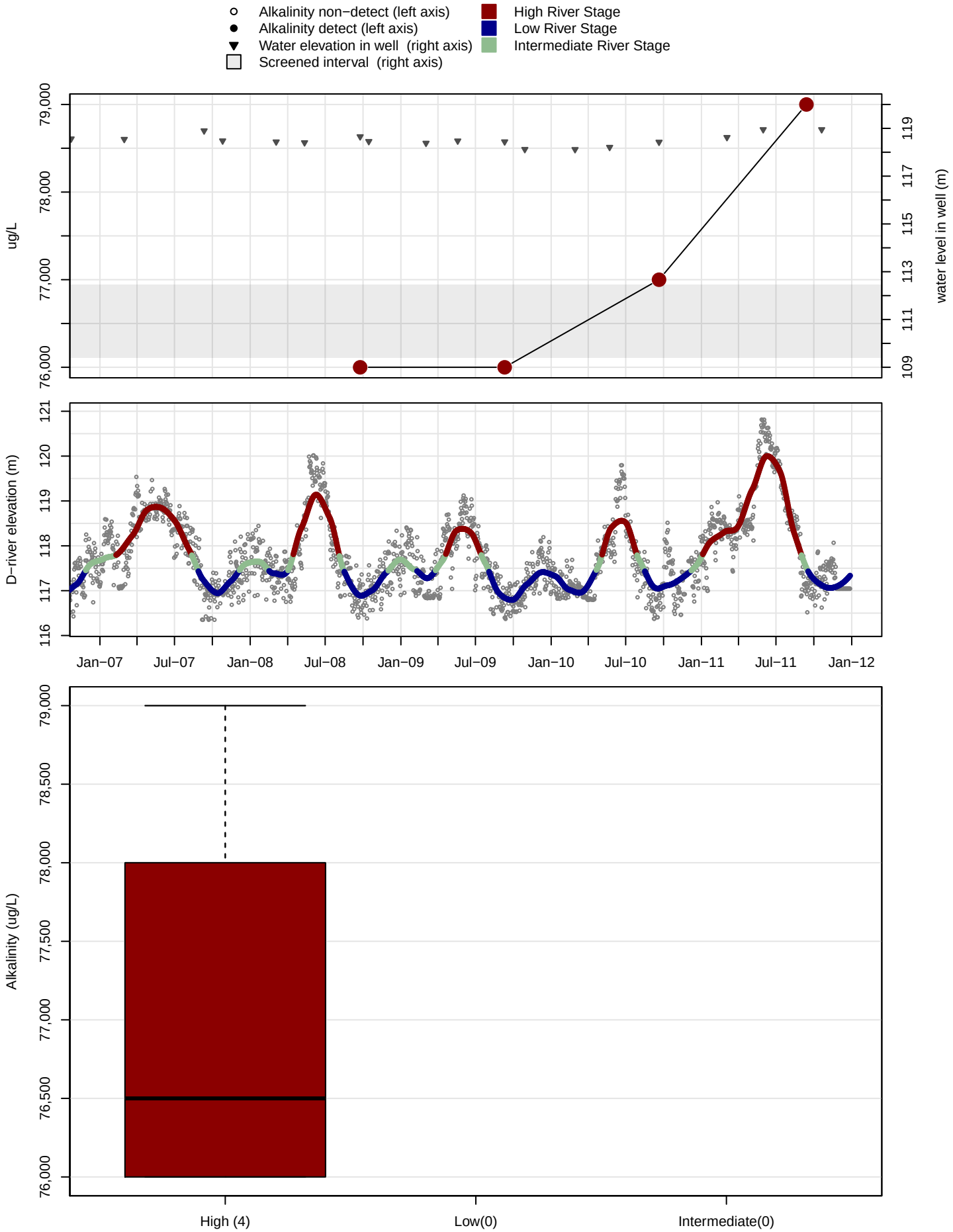
Mann Whitney p = 3.87e−01 t−test p = 5.85e−01

199−N−69 (207m) Lag (Indeterminate)



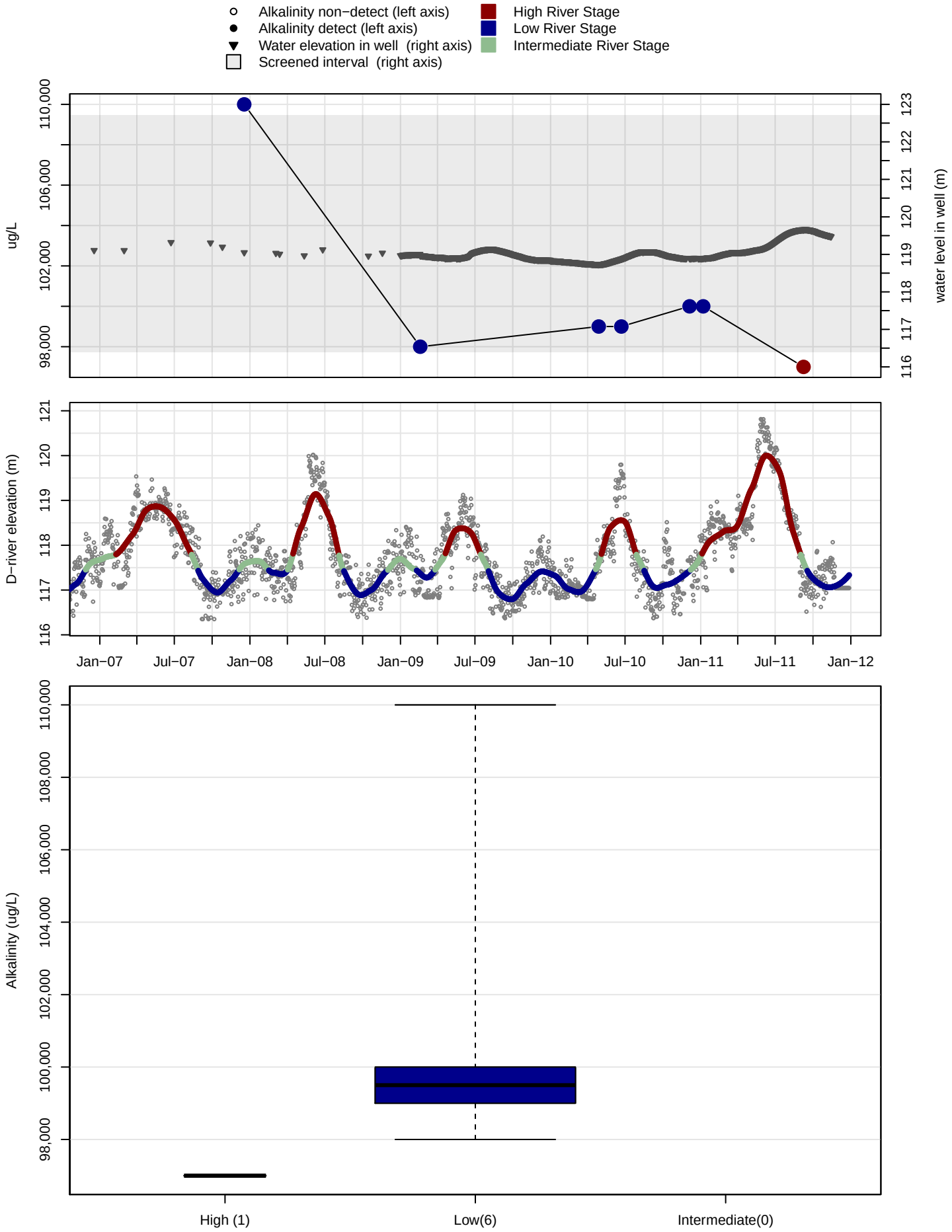
Mann Whitney p = NA t−test p = NA

199−N−70 (614m) Lag (56 Days)



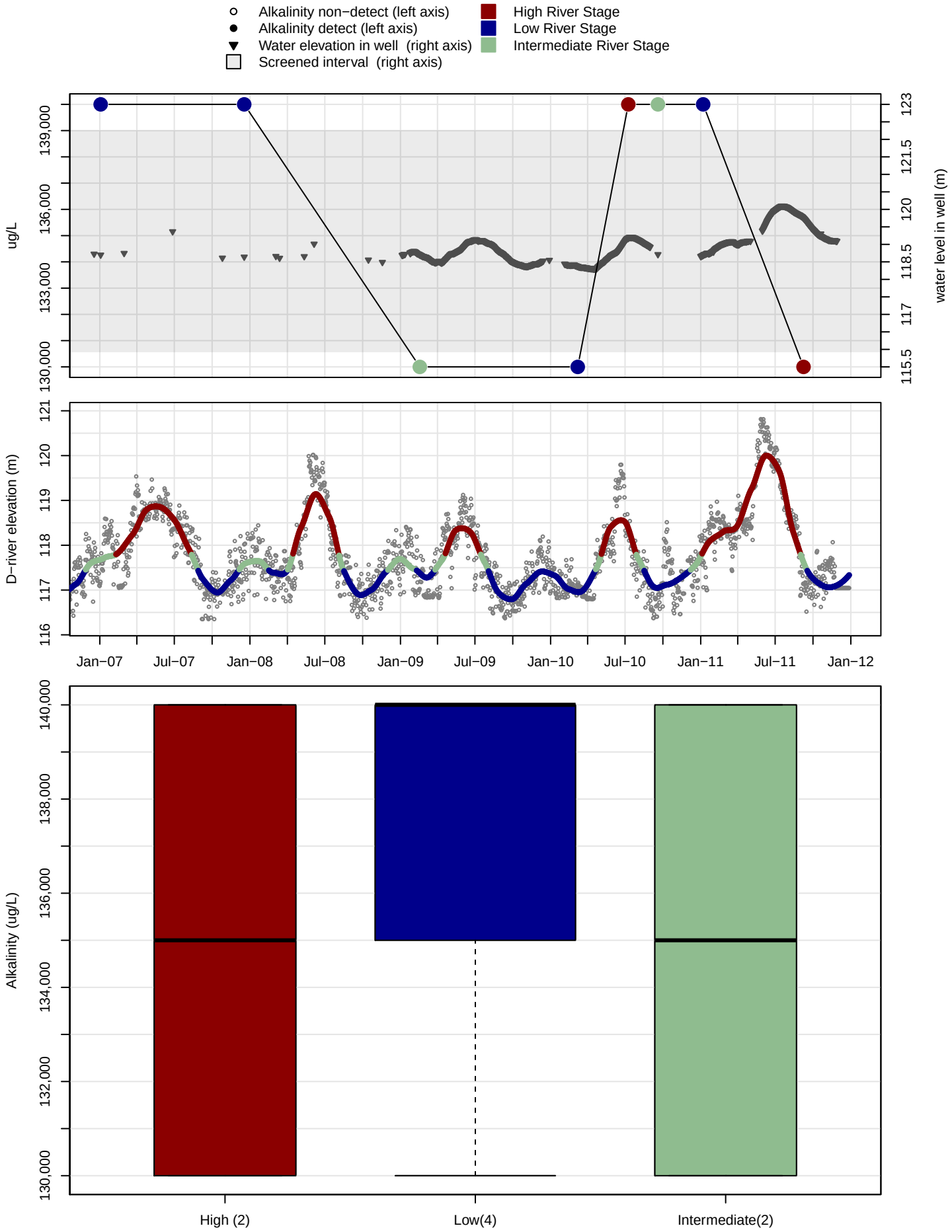
Mann Whitney p = NA t−test p = NA

199−N−71 (751m) Lag (81 Days)



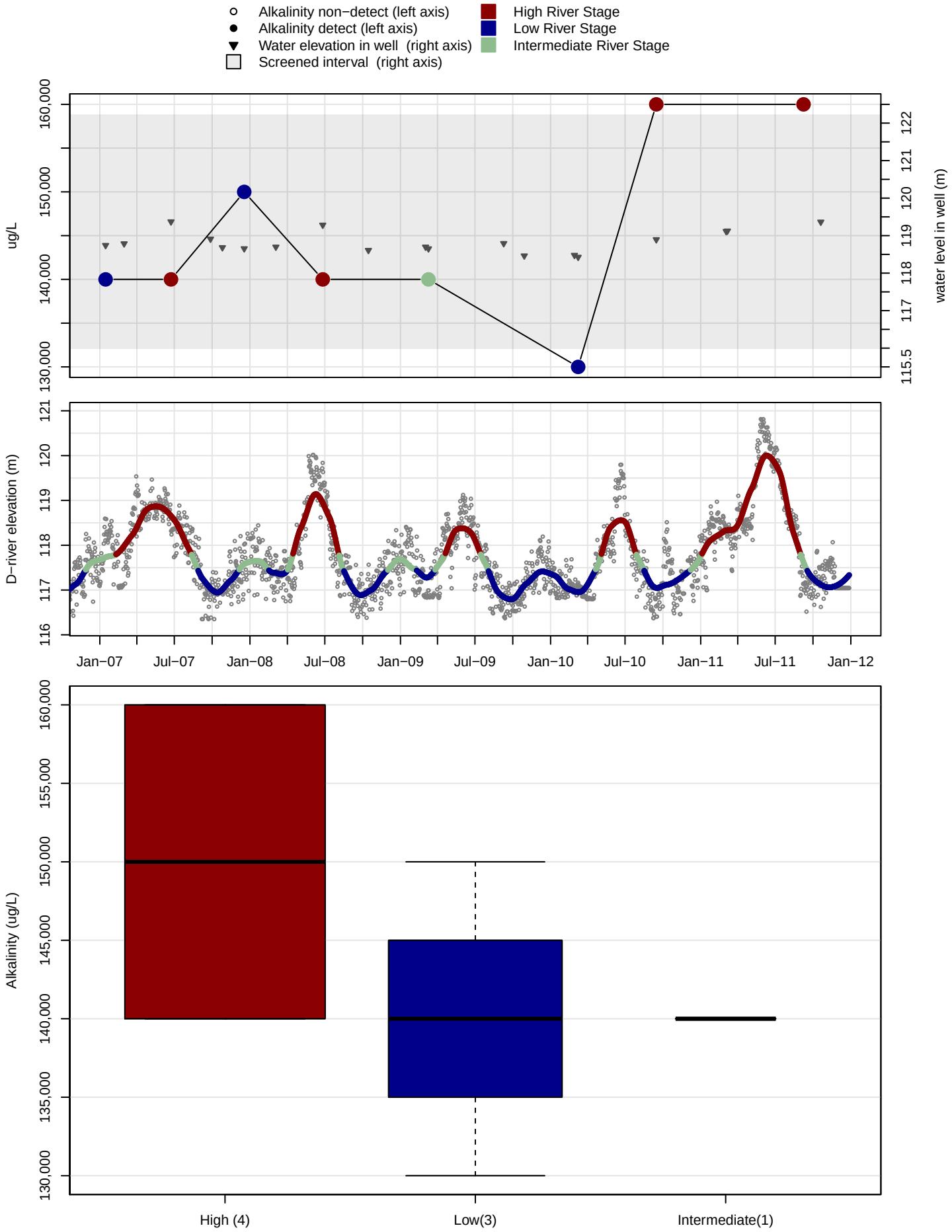
Mann Whitney p = NA t−test p = NA

199−N−72 (362m) Lag (45 Days)



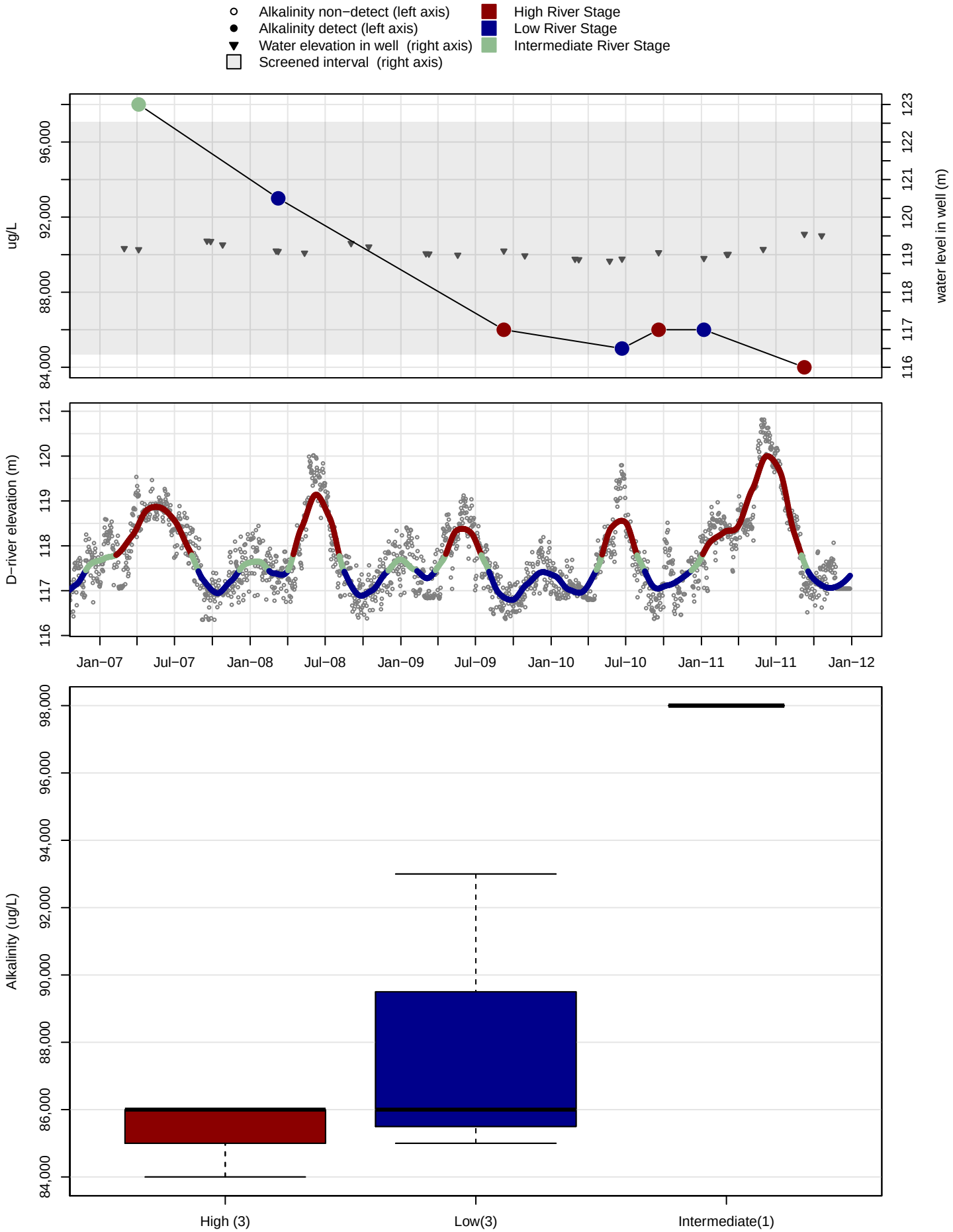
Mann Whitney p = NA t−test p = NA

199−N−73 (404m) Lag (50 Days)



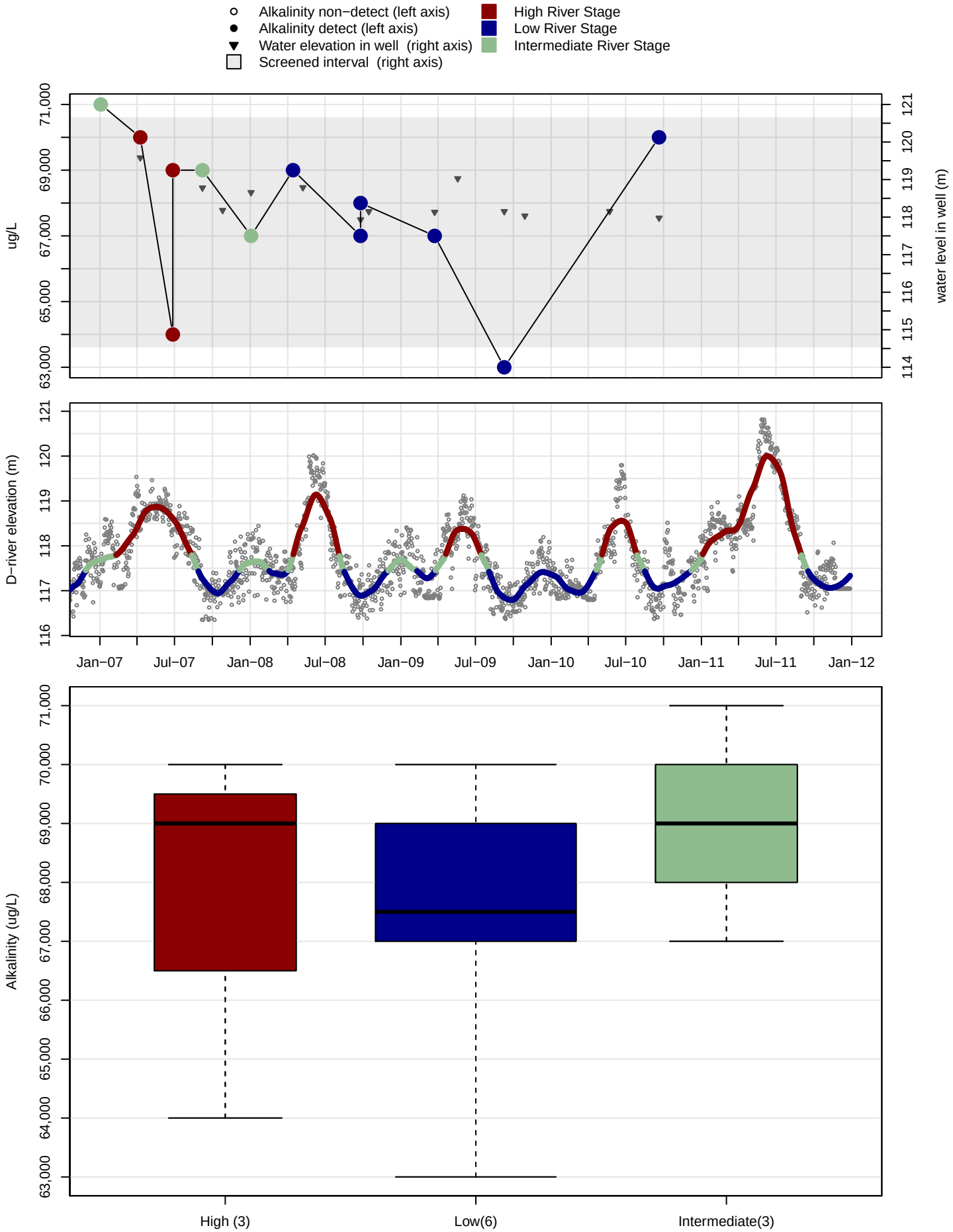
Mann Whitney p = 3.14e−01 t−test p = 2.77e−01

199−N−74 (953m) Lag (97 Days)



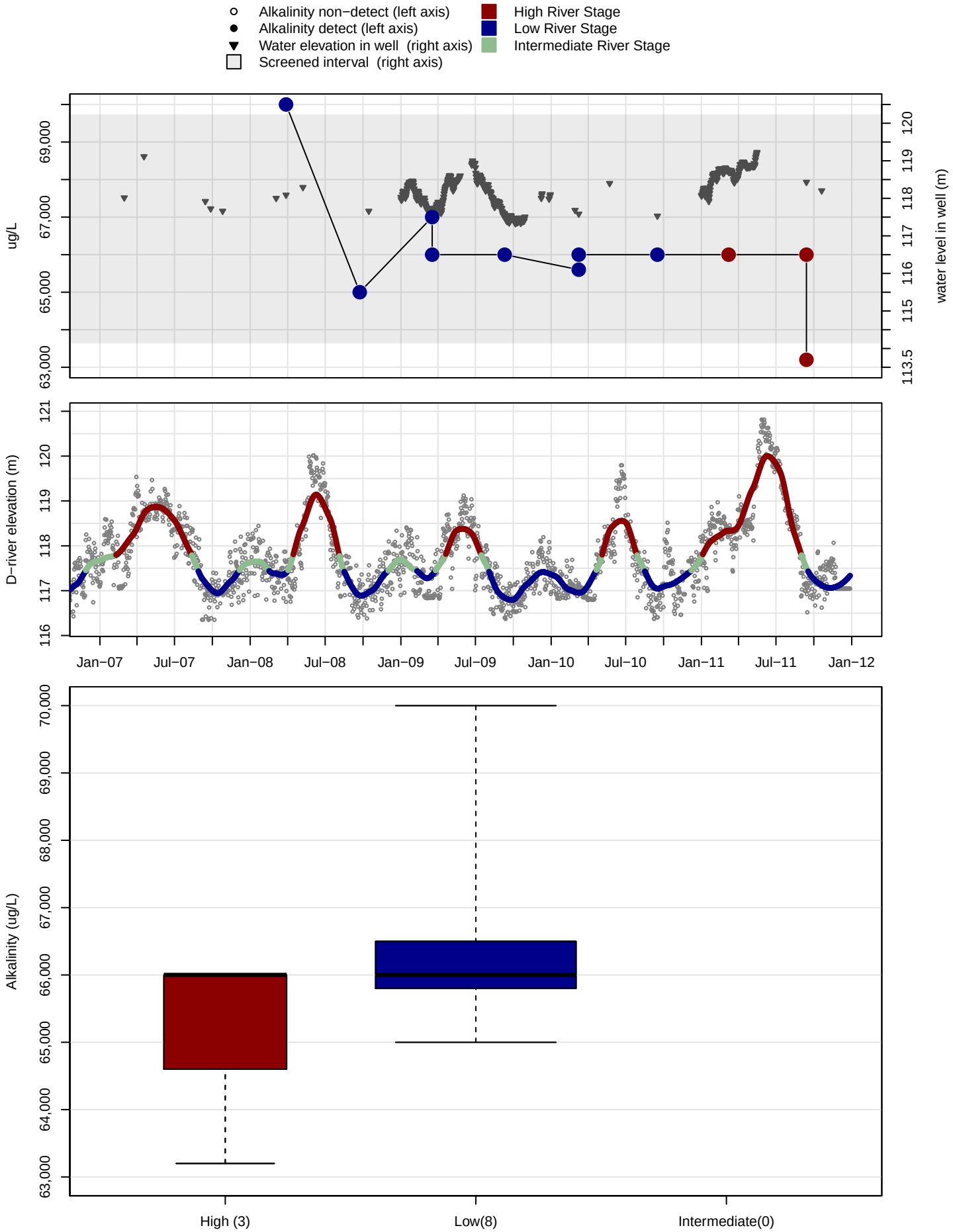
Mann Whitney p = 7e−01 t−test p = 4.02e−01

199−N−75 (87m) Lag (24 Days)



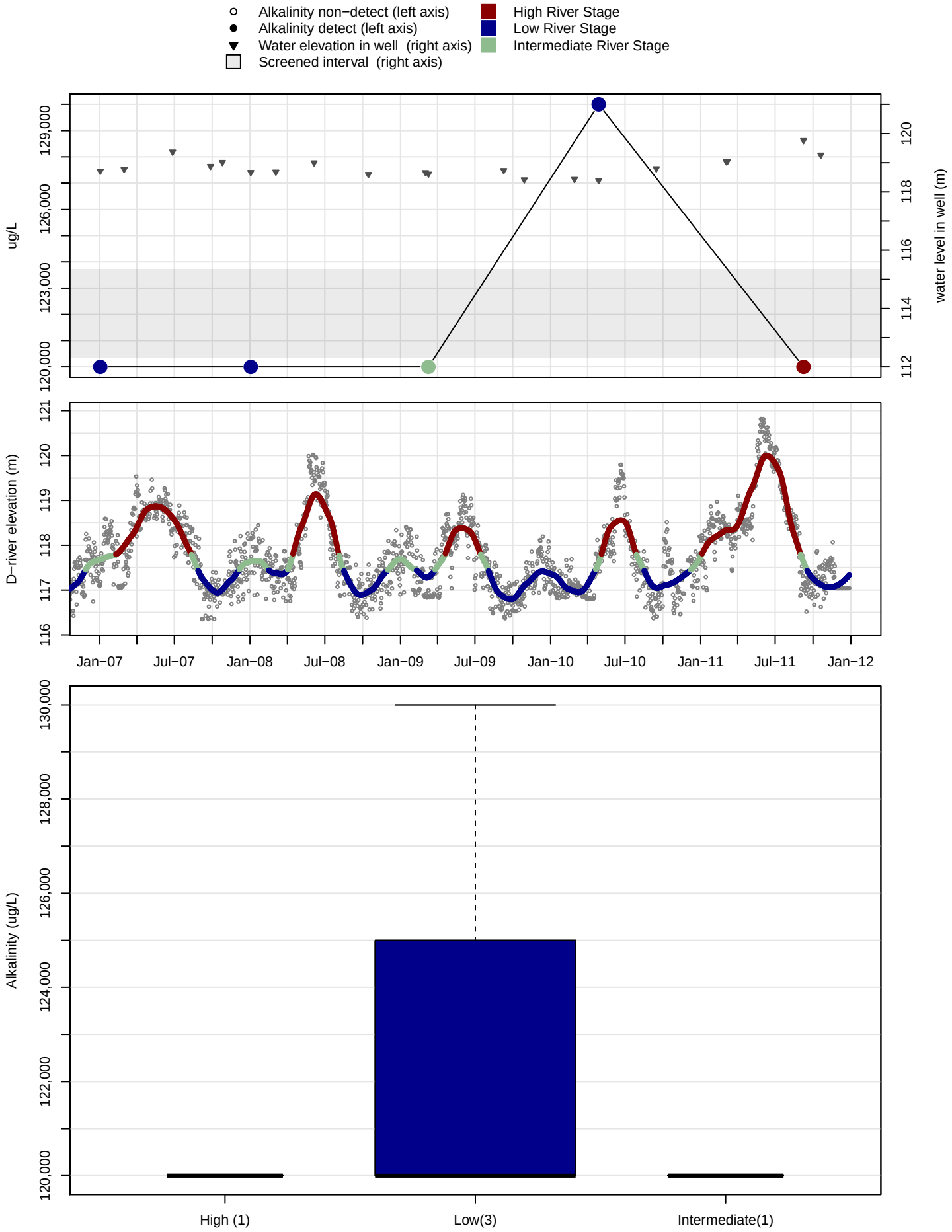
Mann Whitney p = 6.9e−01 t−test p = 8.84e−01

199−N−76 (85m) Lag (15 Days)



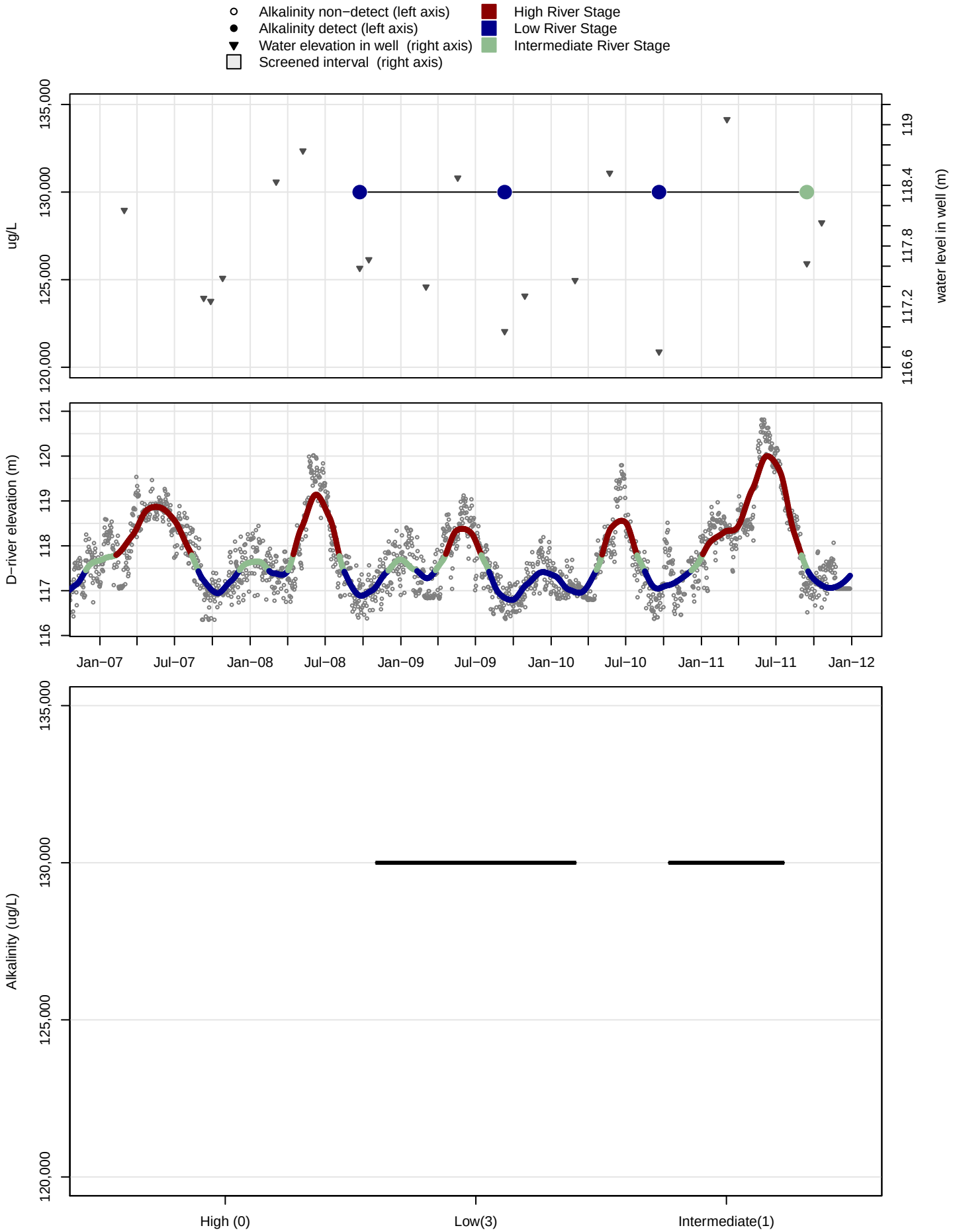
Mann Whitney p = 4.61e−01 t−test p = 2.79e−01

199−N−77 (372m) Lag (49 Days)



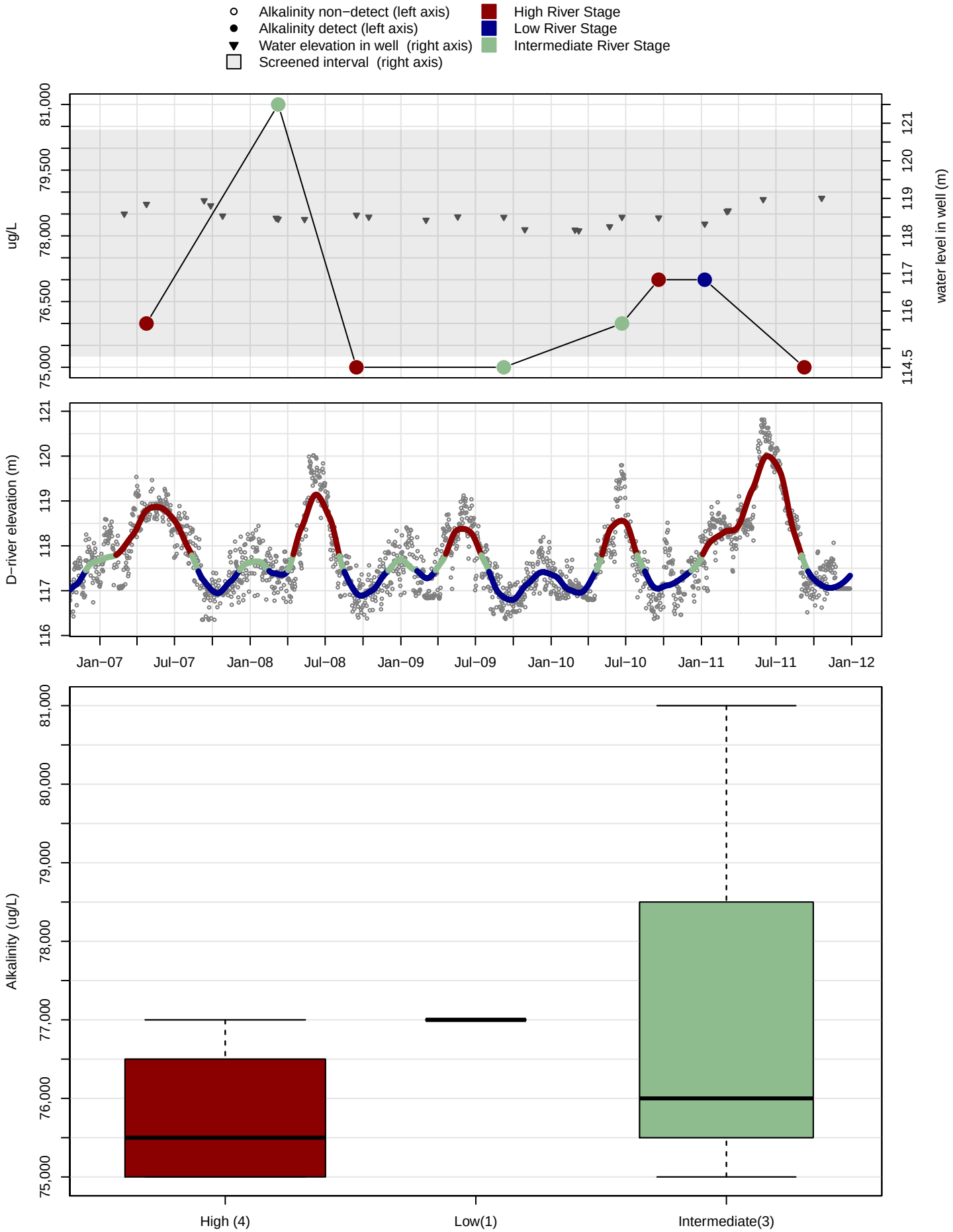
Mann Whitney p = NA t−test p = NA

199−N−80 (107m) Lag (0 Days)



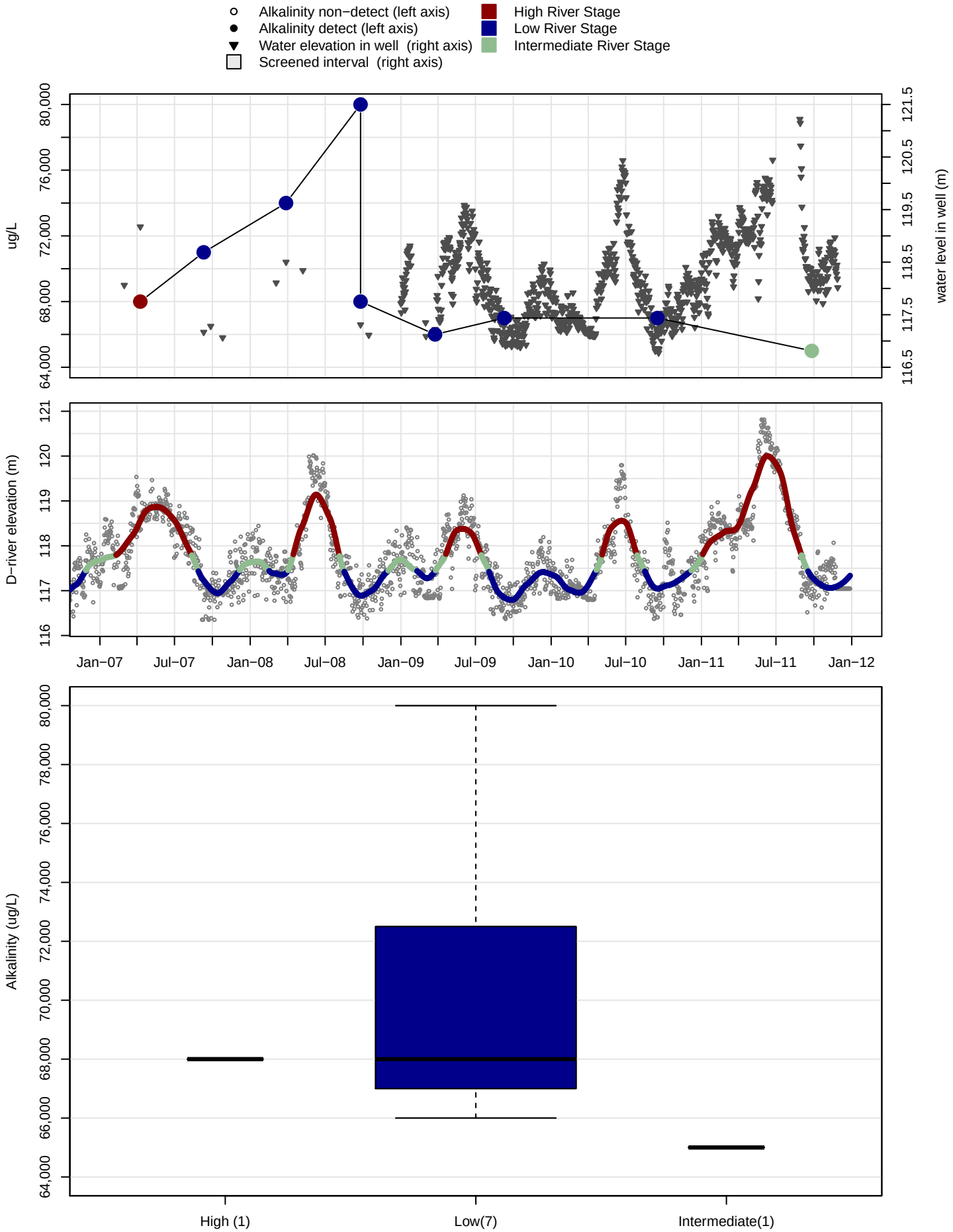
Mann Whitney p = NA t−test p = NA

199−N−81 (603m) Lag (53 Days)



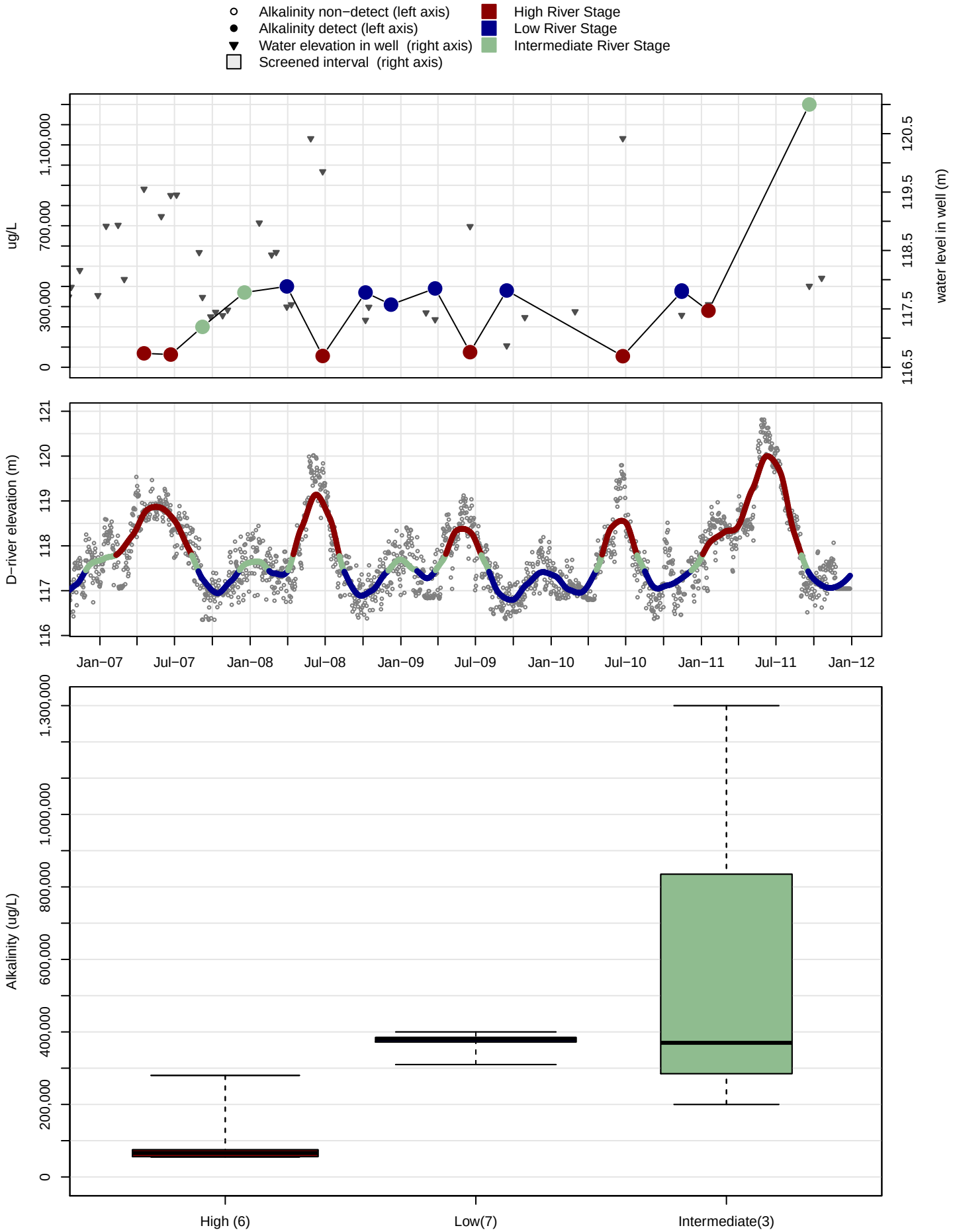
Mann Whitney p = NA t−test p = NA

199−N−92A (6m) Lag (9 Days)



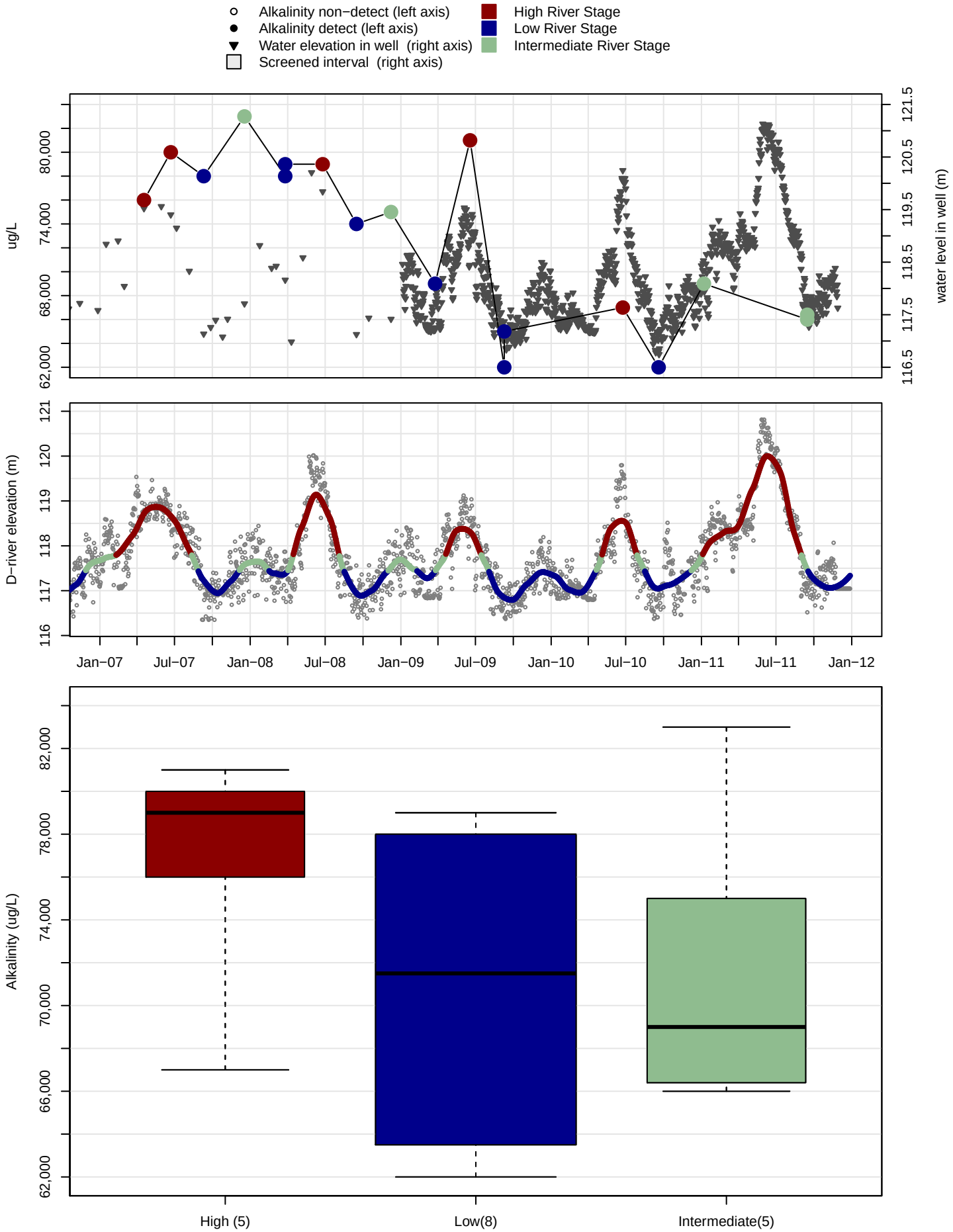
Mann Whitney p = NA t−test p = NA

199−N−96A (5m) Lag (11 Days)



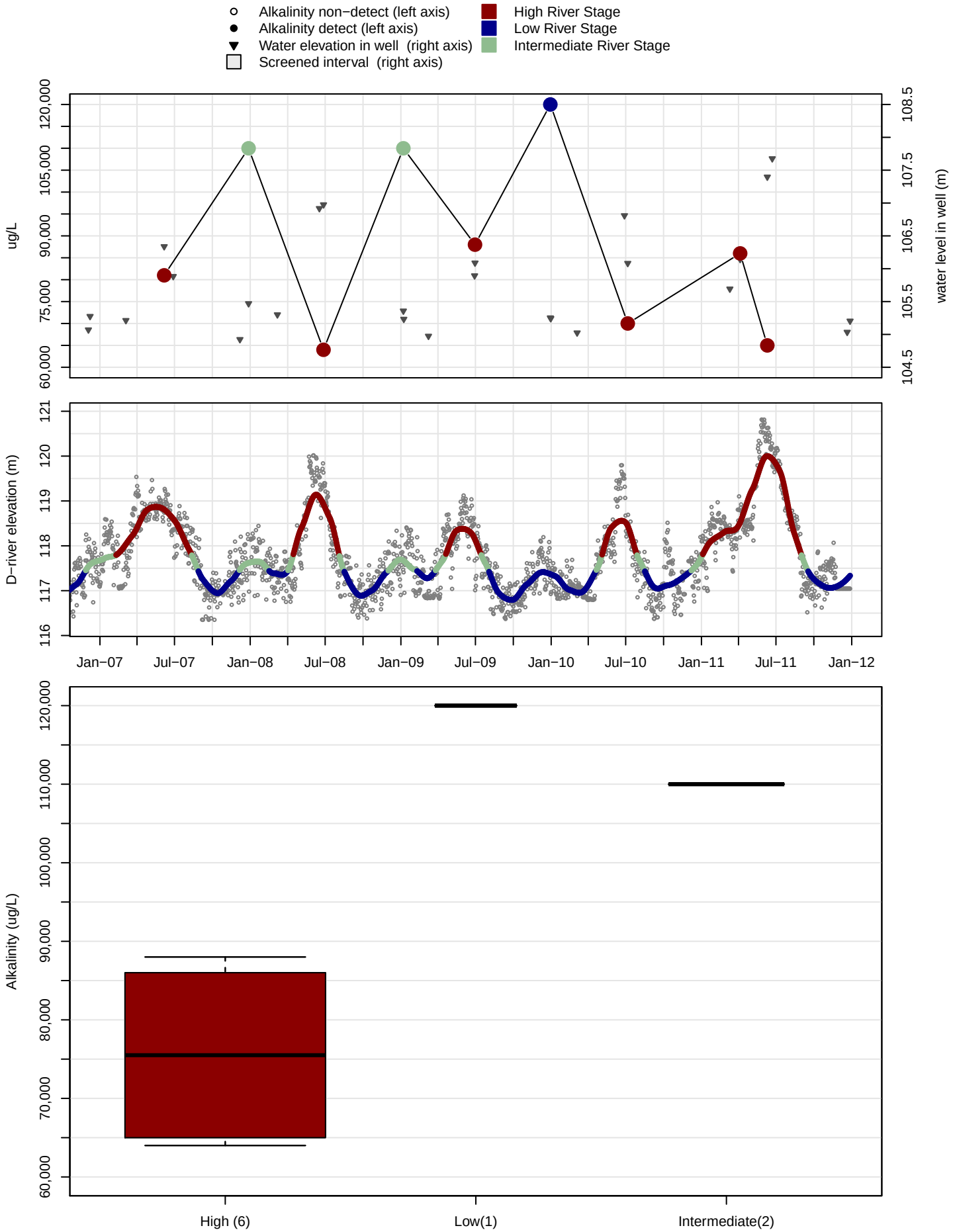
Mann Whitney p = 1.17e−03 t−test p = 3.85e−04

199−N−99A (7m) Lag (3 Days)



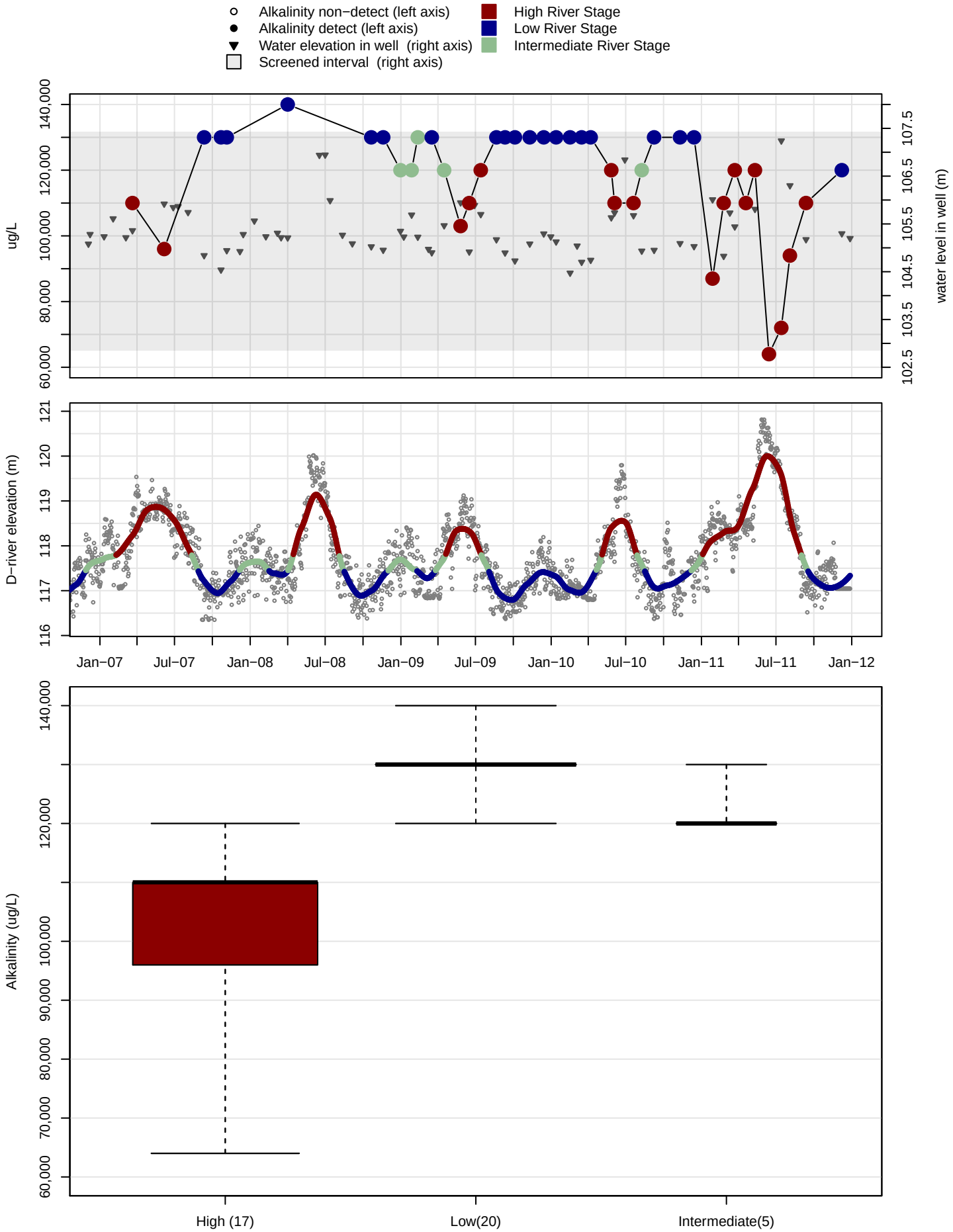
Mann Whitney p = 1e−01 t−test p = 1.44e−01

399−1−1 (50m) Lag (16 Days)



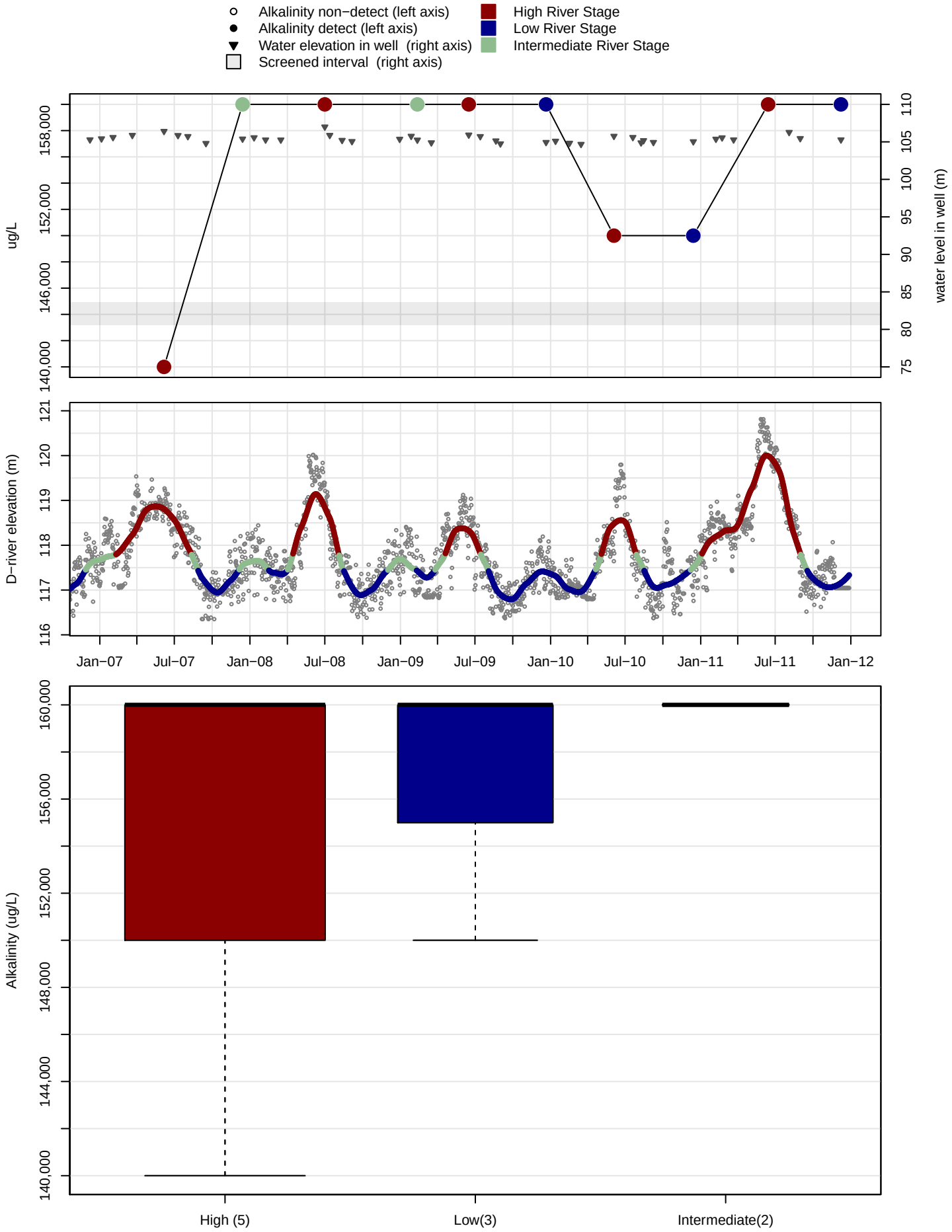
Mann Whitney p = NA t−test p = NA

399−1−10A (35m) Lag (9 Days)



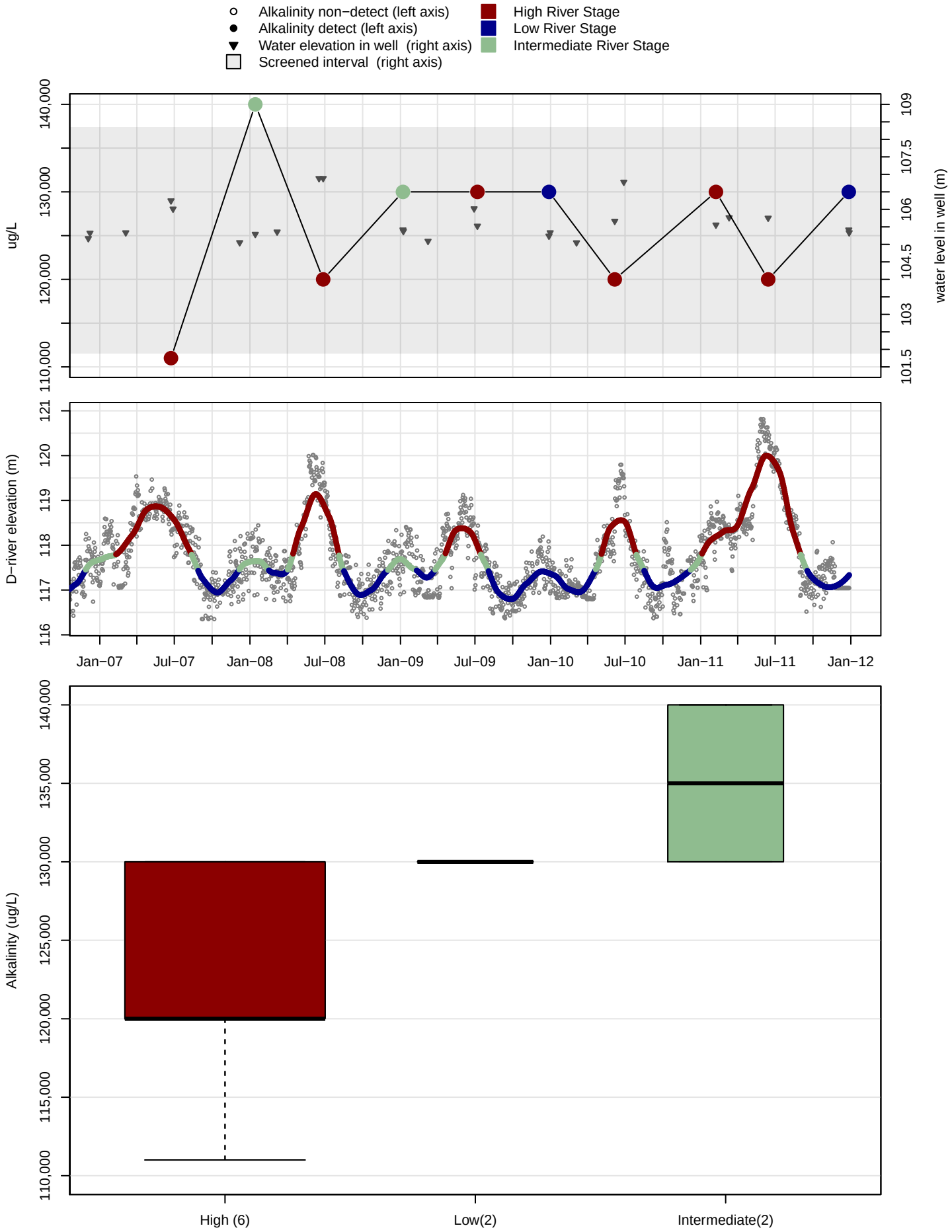
Mann Whitney p = 3.14e−10 t−test p = 6.21e−06

399−1−10B (31m) Lag (5 Days)



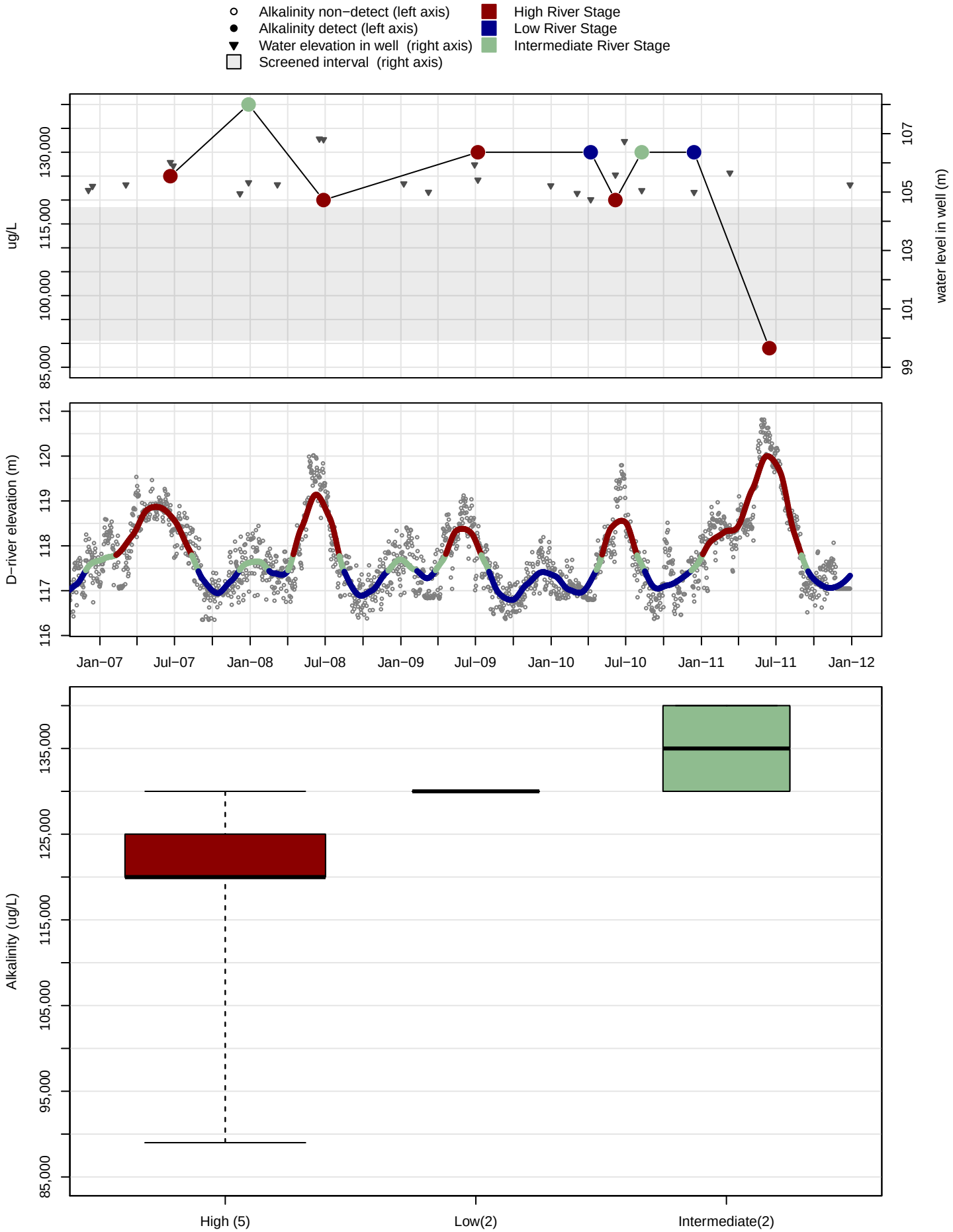
Mann Whitney p = 8.21e−01 t−test p = 6.27e−01

399−1−11 (281m) Lag (25 Days)



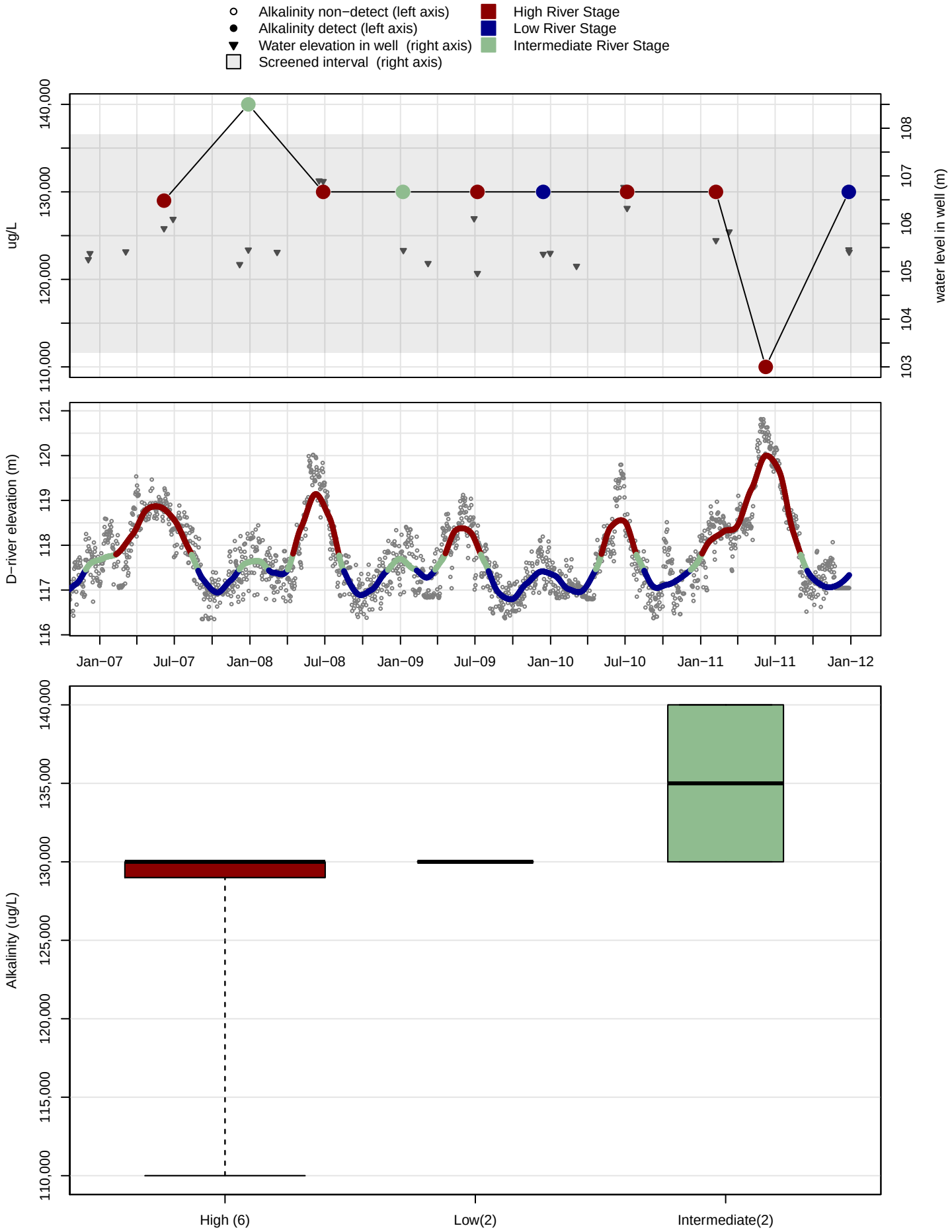
Mann Whitney p = NA t−test p = NA

399−1−12 (363m) Lag (5 Days)



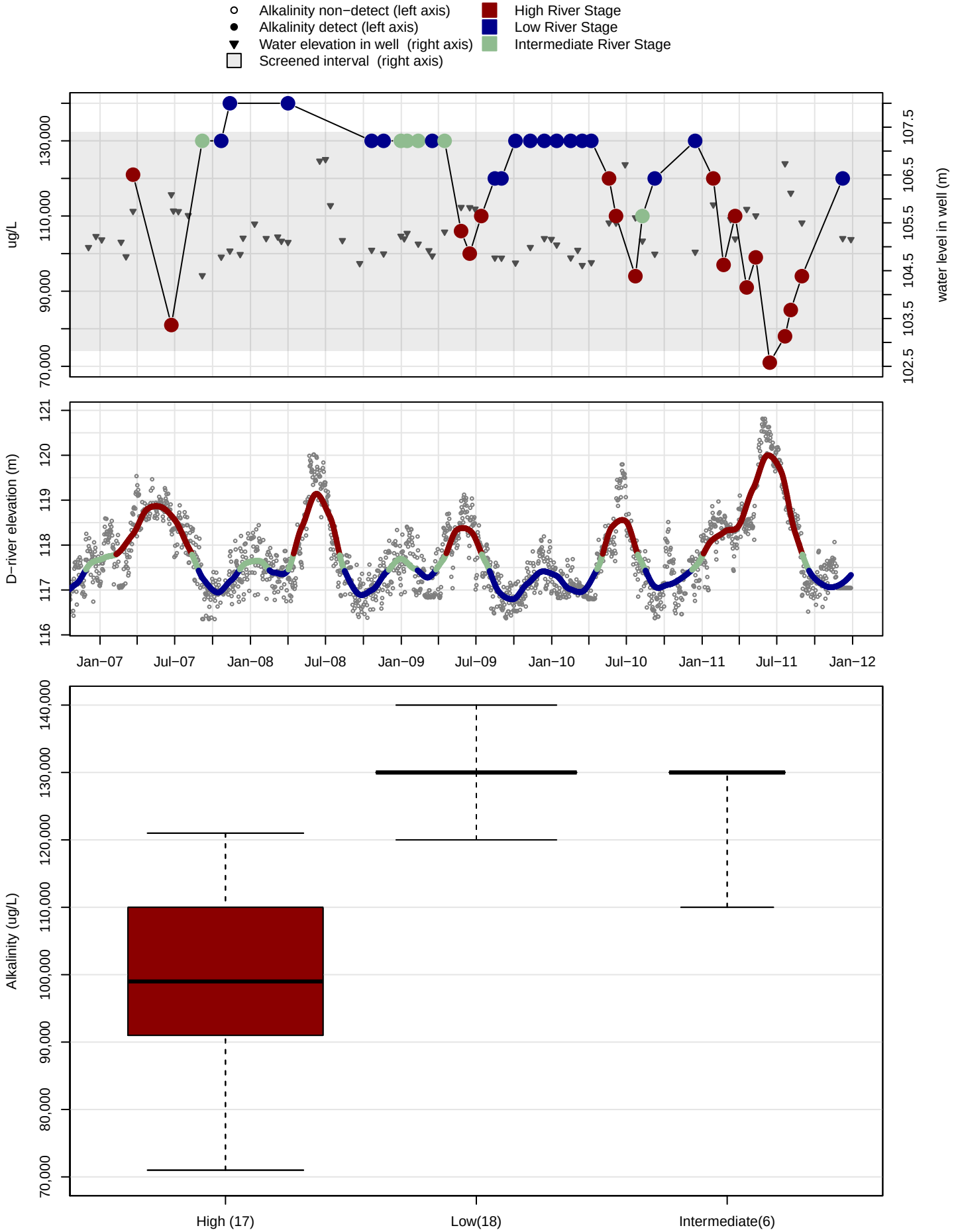
Mann Whitney p = NA t−test p = NA

399−1−15 (362m) Lag (5 Days)



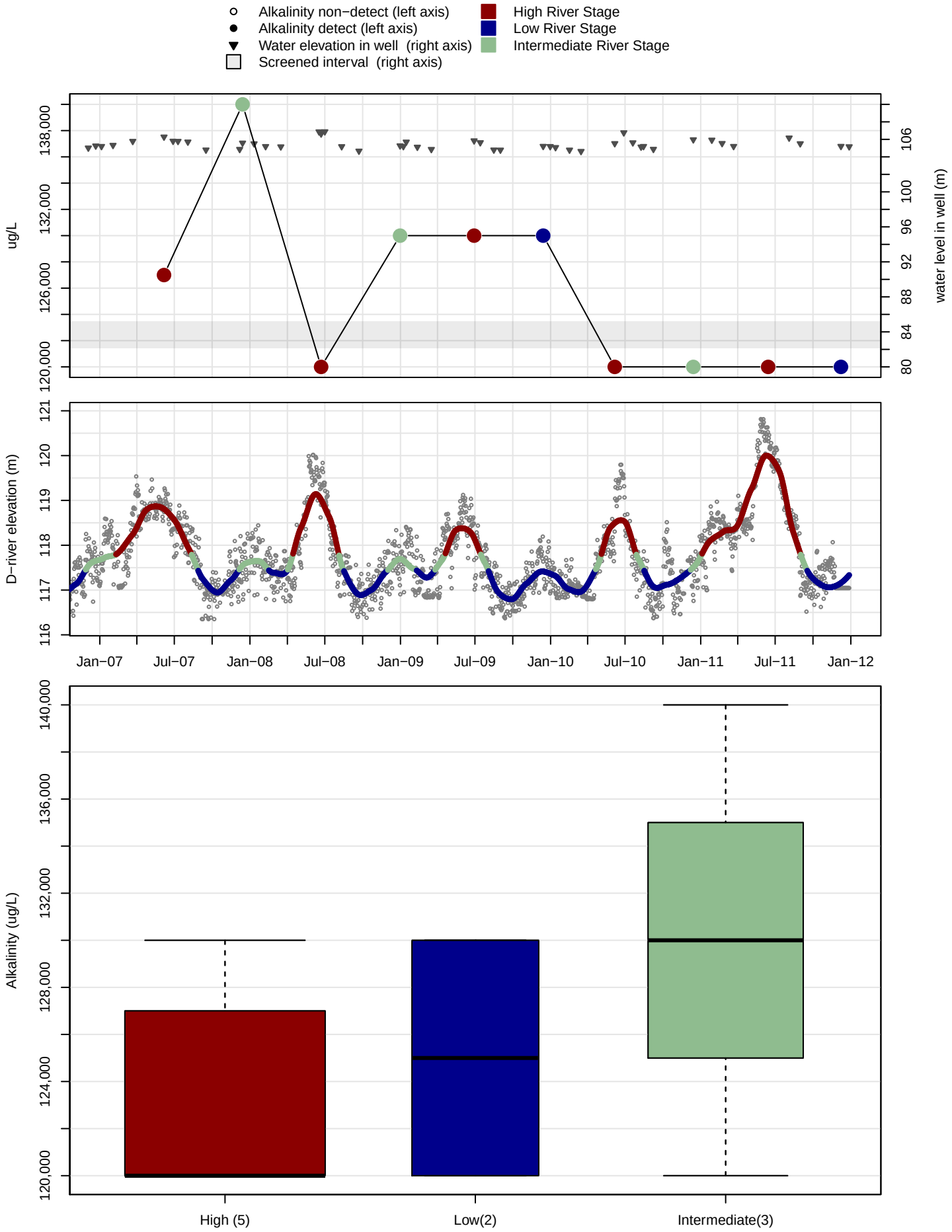
Mann Whitney p = NA t−test p = NA

399−1−16A (120m) Lag (9 Days)



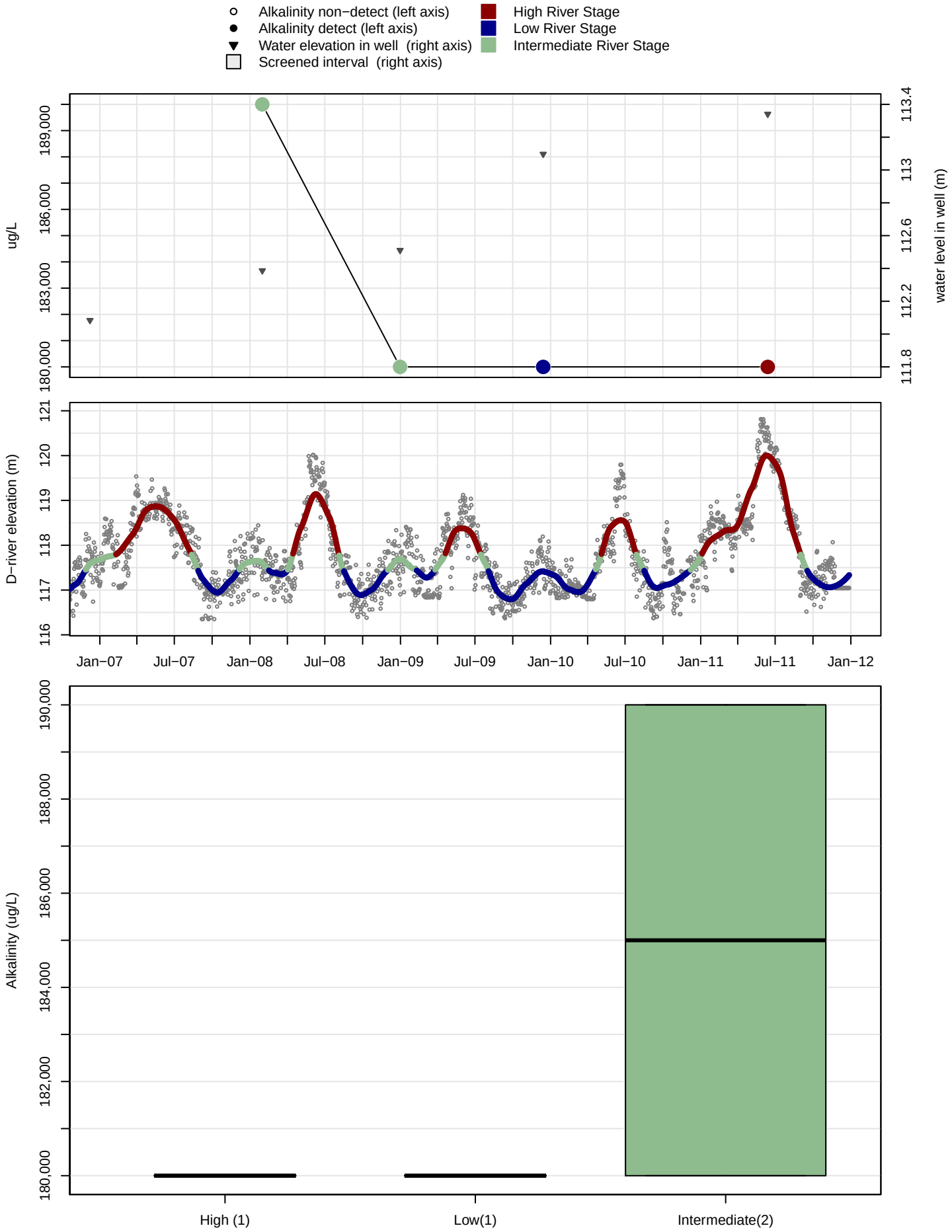
Mann Whitney p = 1.54e−08 t−test p = 2.26e−07

399−1−16B (114m) Lag (2 Days)



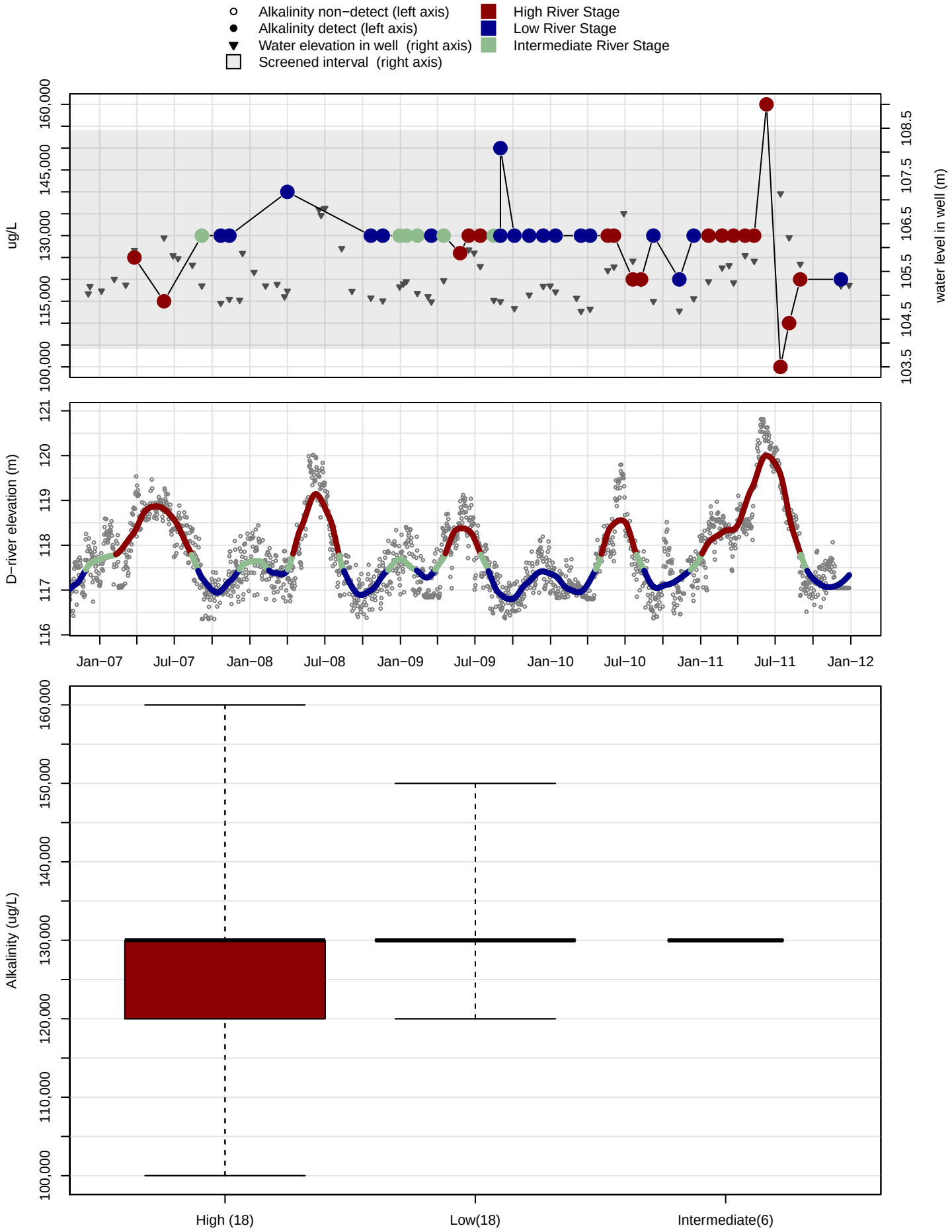
Mann Whitney p = NA t−test p = NA

399−1−16C (127m) Lag (Indeterminate)



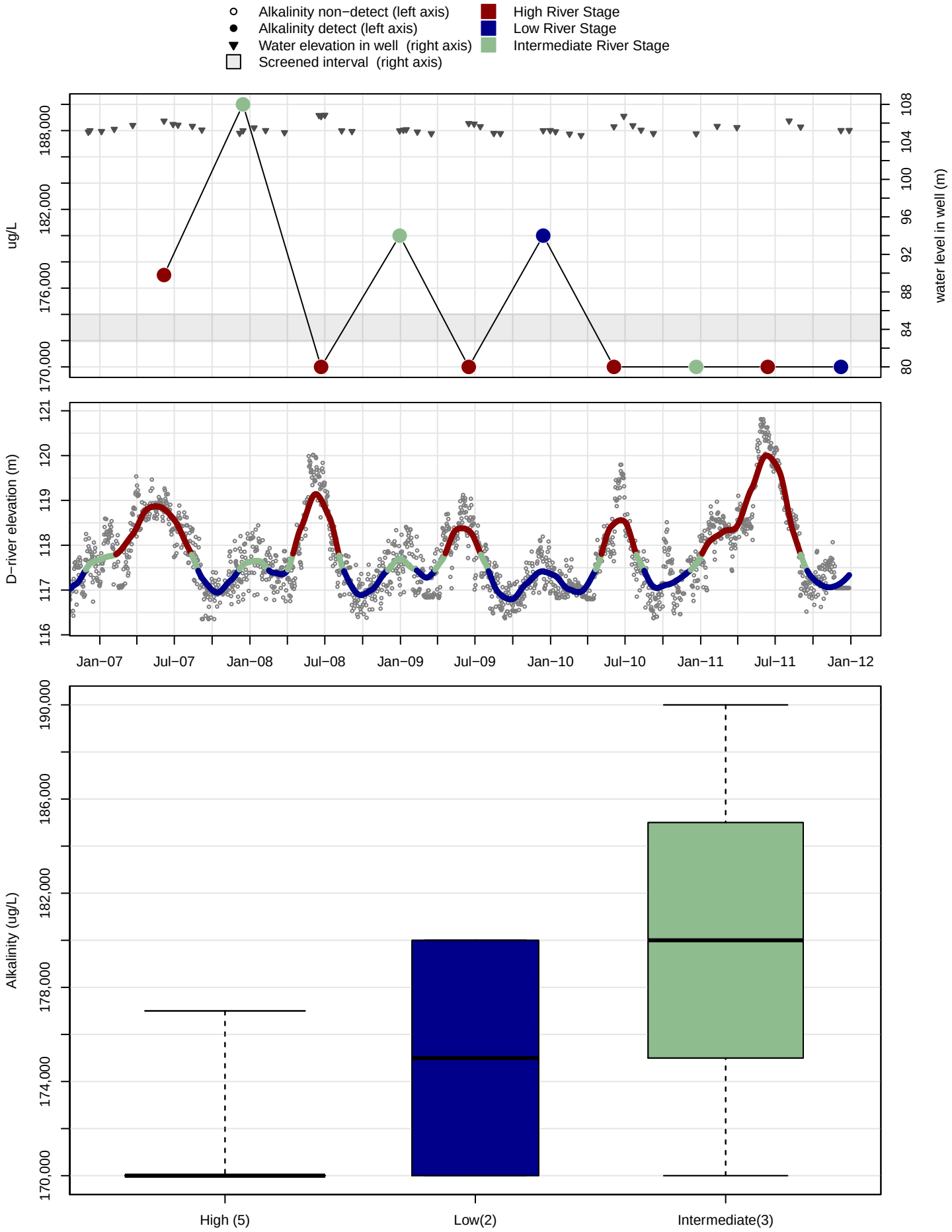
Mann Whitney p = NA t−test p = NA

399−1−17A (316m) Lag (12 Days)



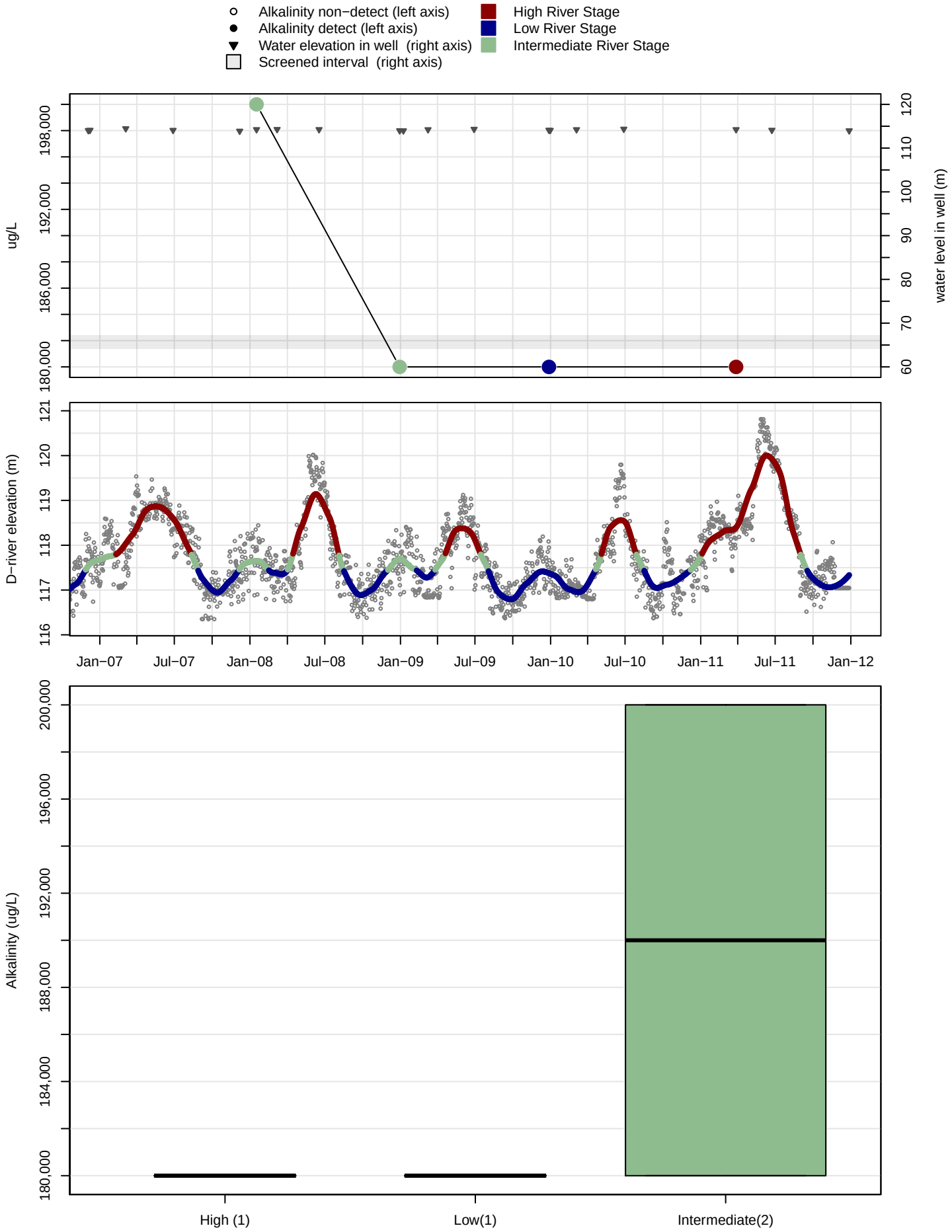
Mann Whitney p = 4.04e−02 t−test p = 1.58e−01

399−1−17B (323m) Lag (7 Days)



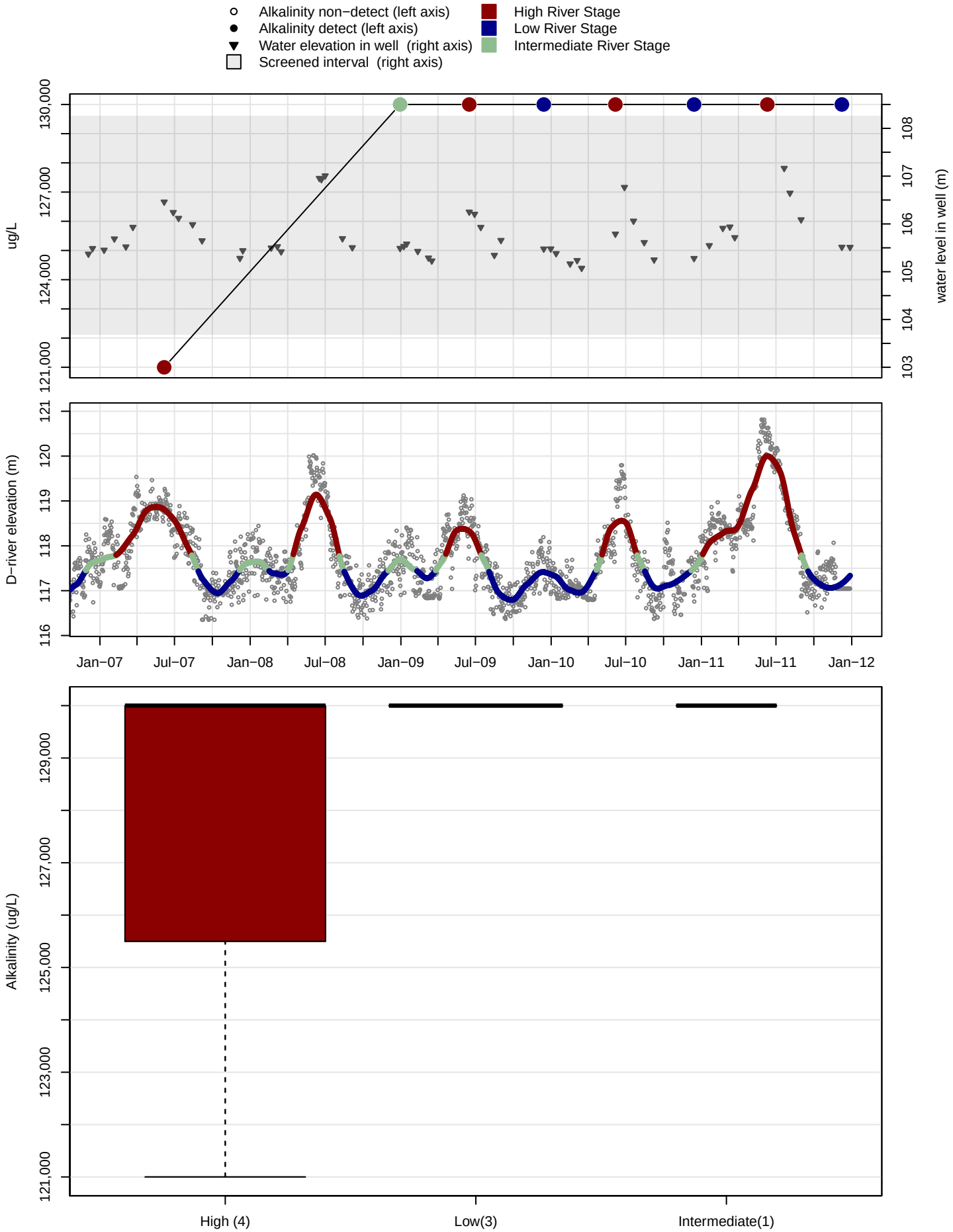
Mann Whitney p = NA t−test p = NA

399−1−17C (325m) Lag (42 Days)



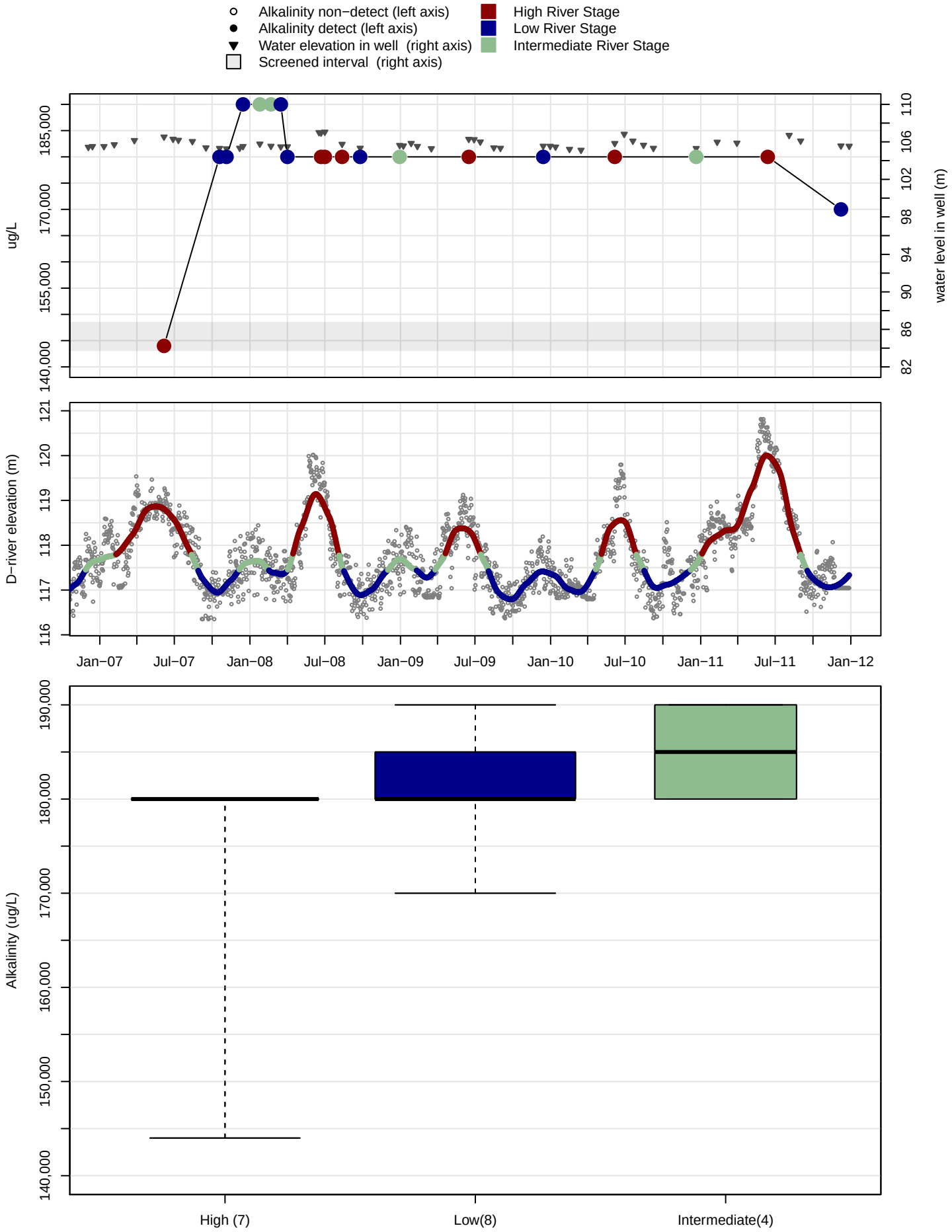
Mann Whitney p = NA t−test p = NA

399−1−18A (447m) Lag (17 Days)



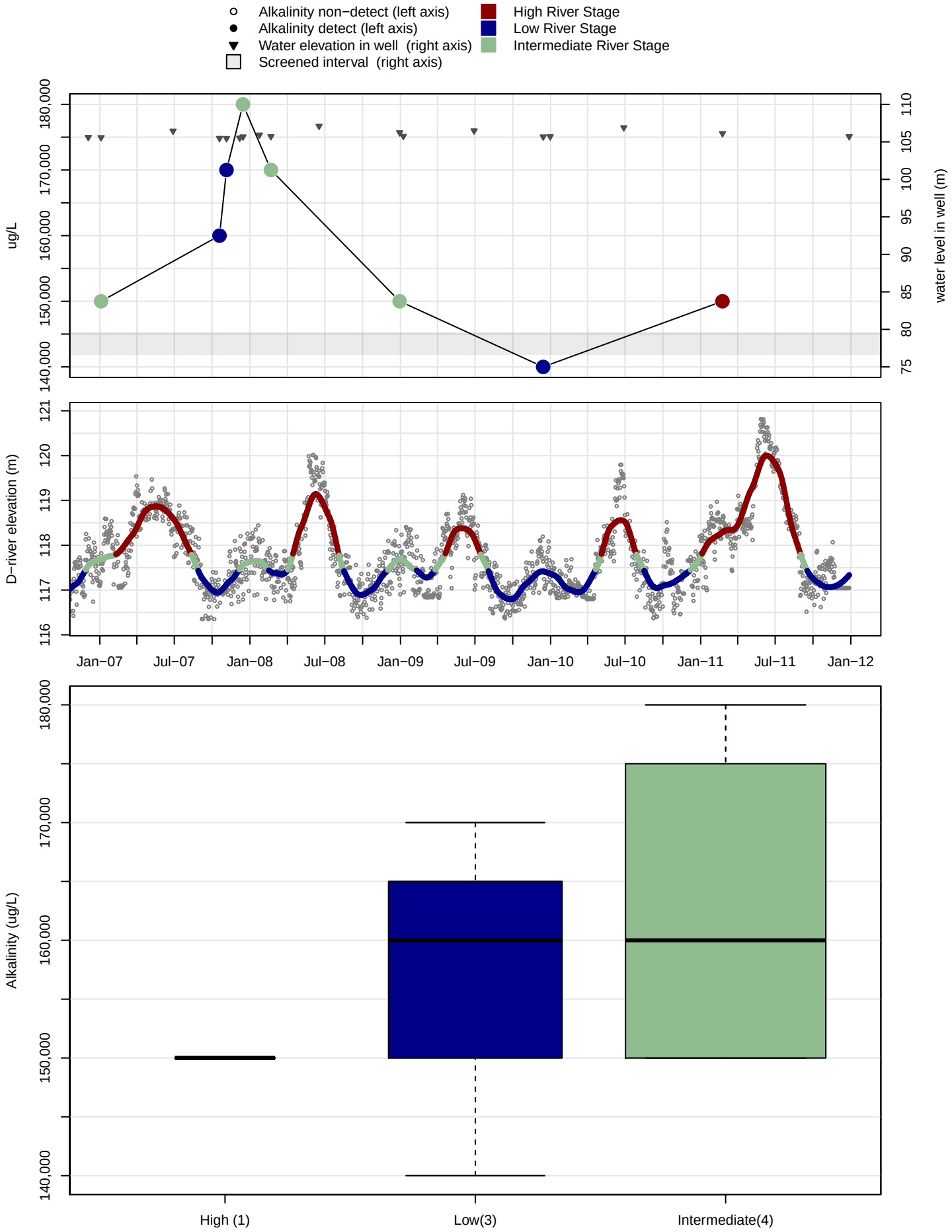
Mann Whitney p = 1e+00 t−test p = 3.91e−01

399−1−18B (452m) Lag (11 Days)



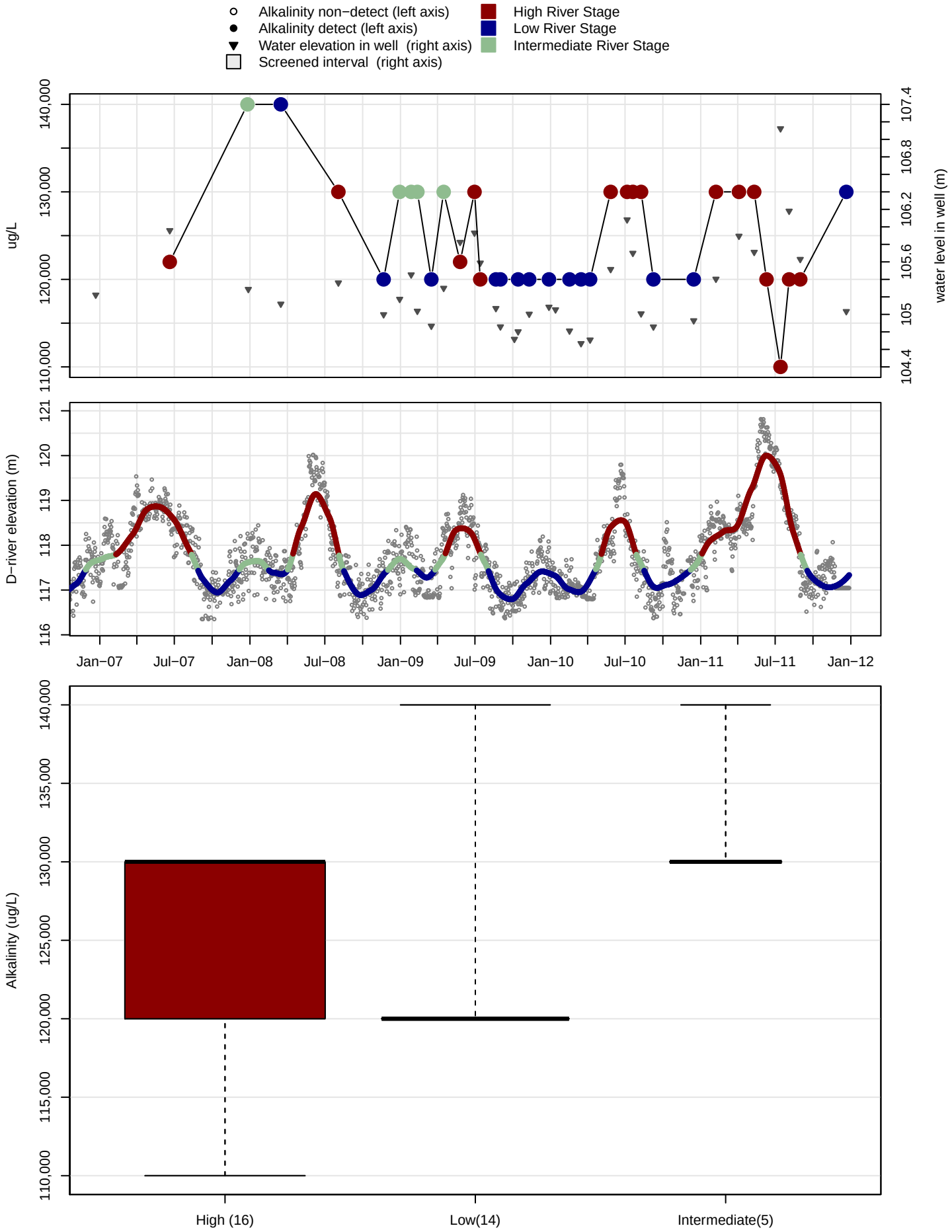
Mann Whitney p = 2.67e−01 t−test p = 2.87e−01

399−1−18C (445m) Lag (7 Days)



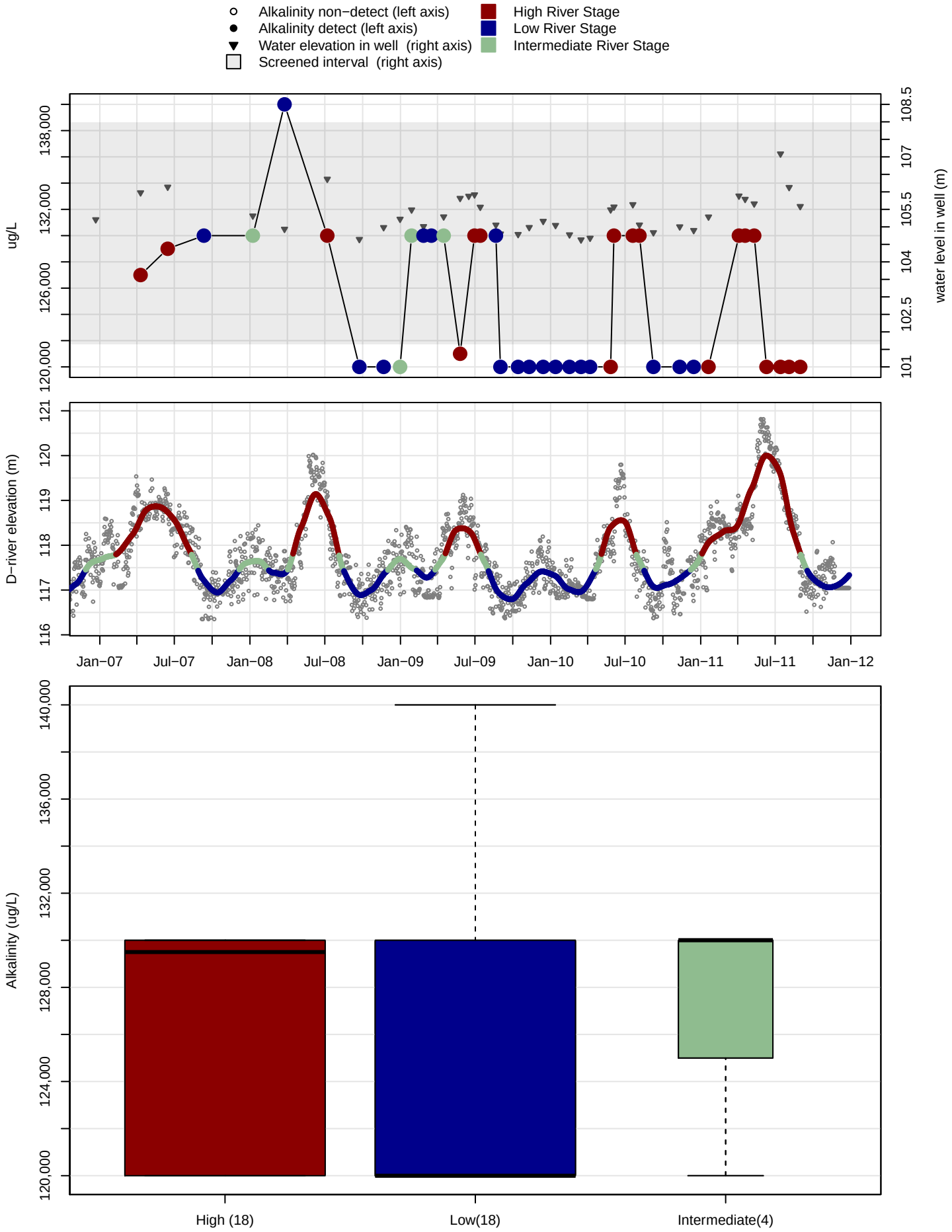
Mann Whitney p = NA t−test p = NA

399−1−2 (366m) Lag (10 Days)



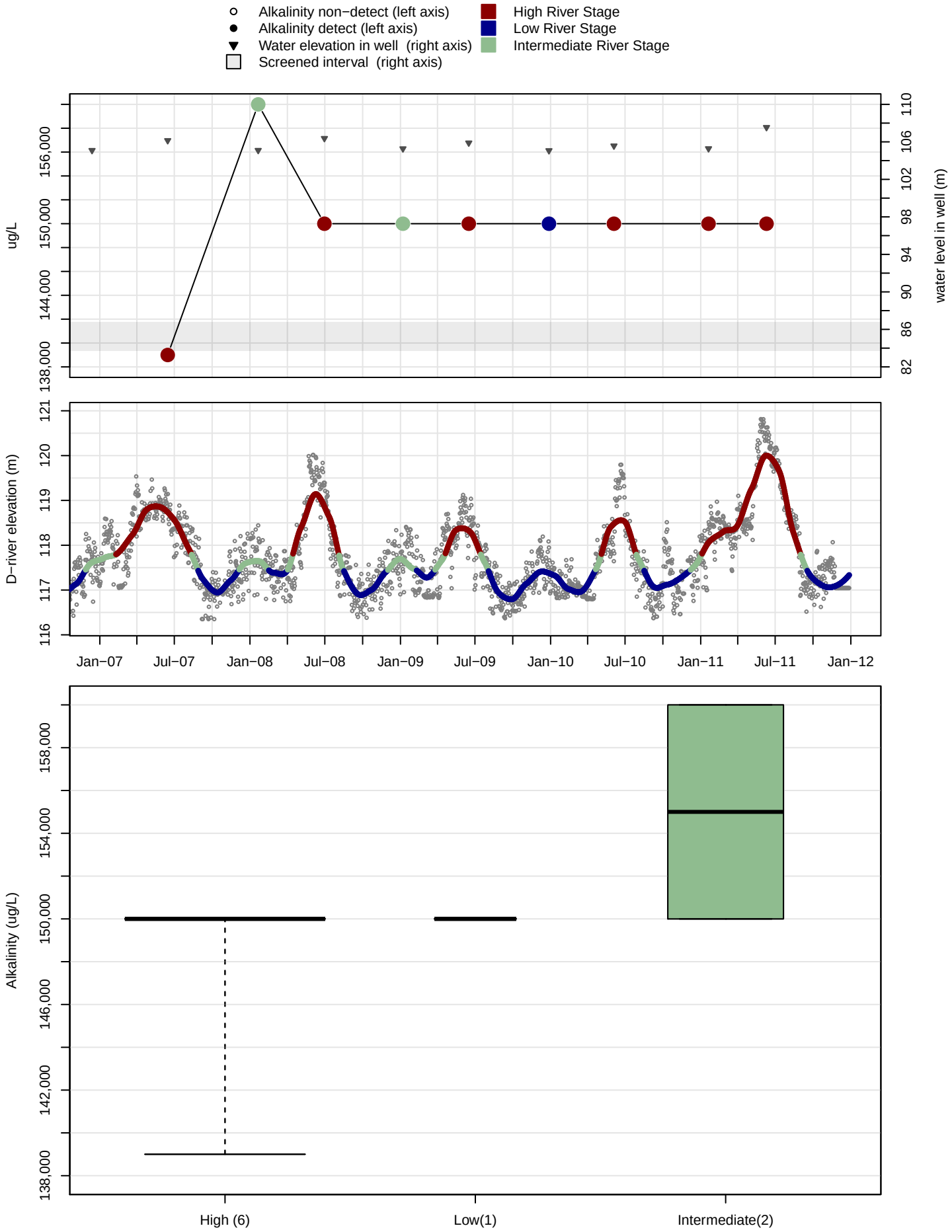
Mann Whitney p = 2.31e−02 t−test p = 1.65e−01

399−1−21A (323m) Lag (10 Days)



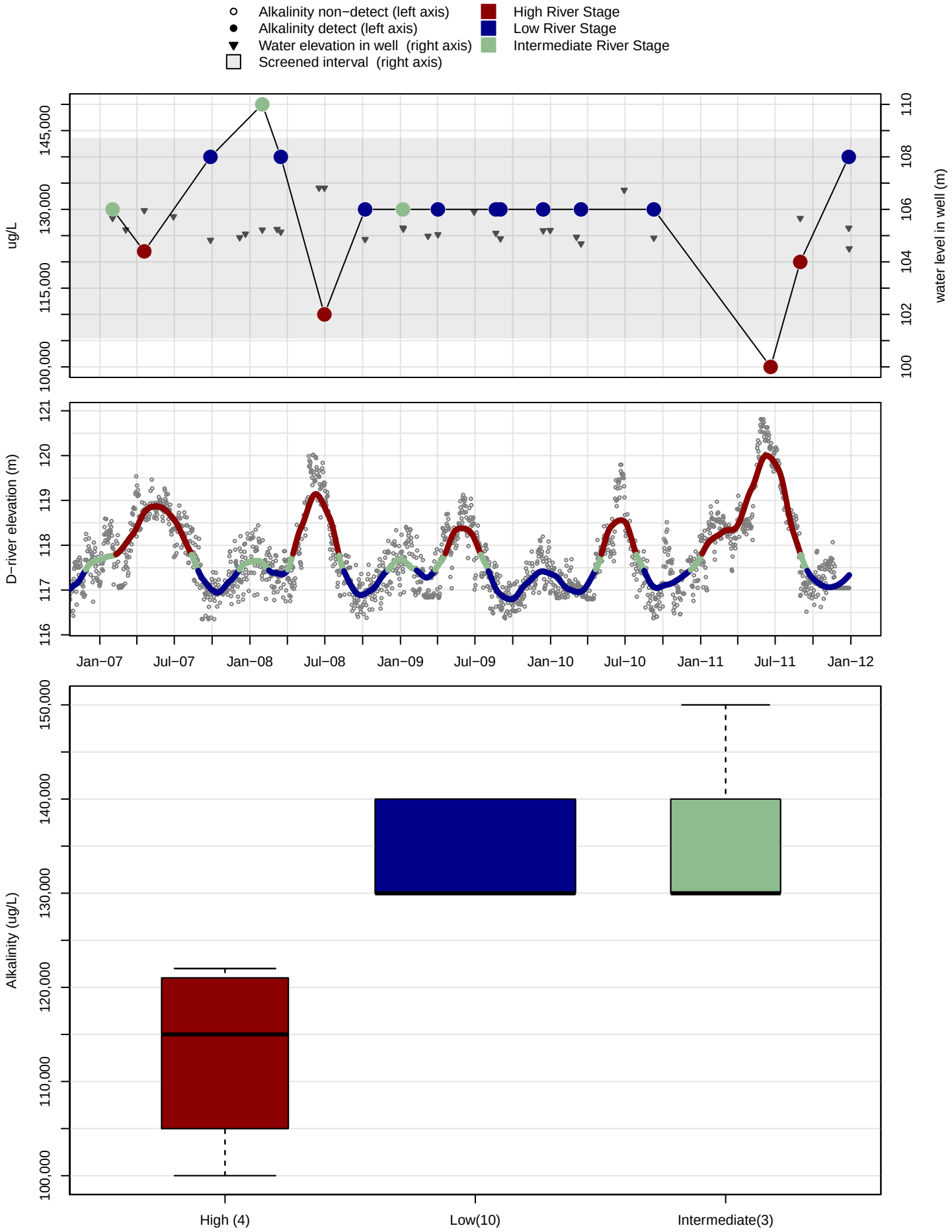
Mann Whitney p = 7.16e−02 t−test p = 1.57e−01

399−1−21B (328m) Lag (11 Days)



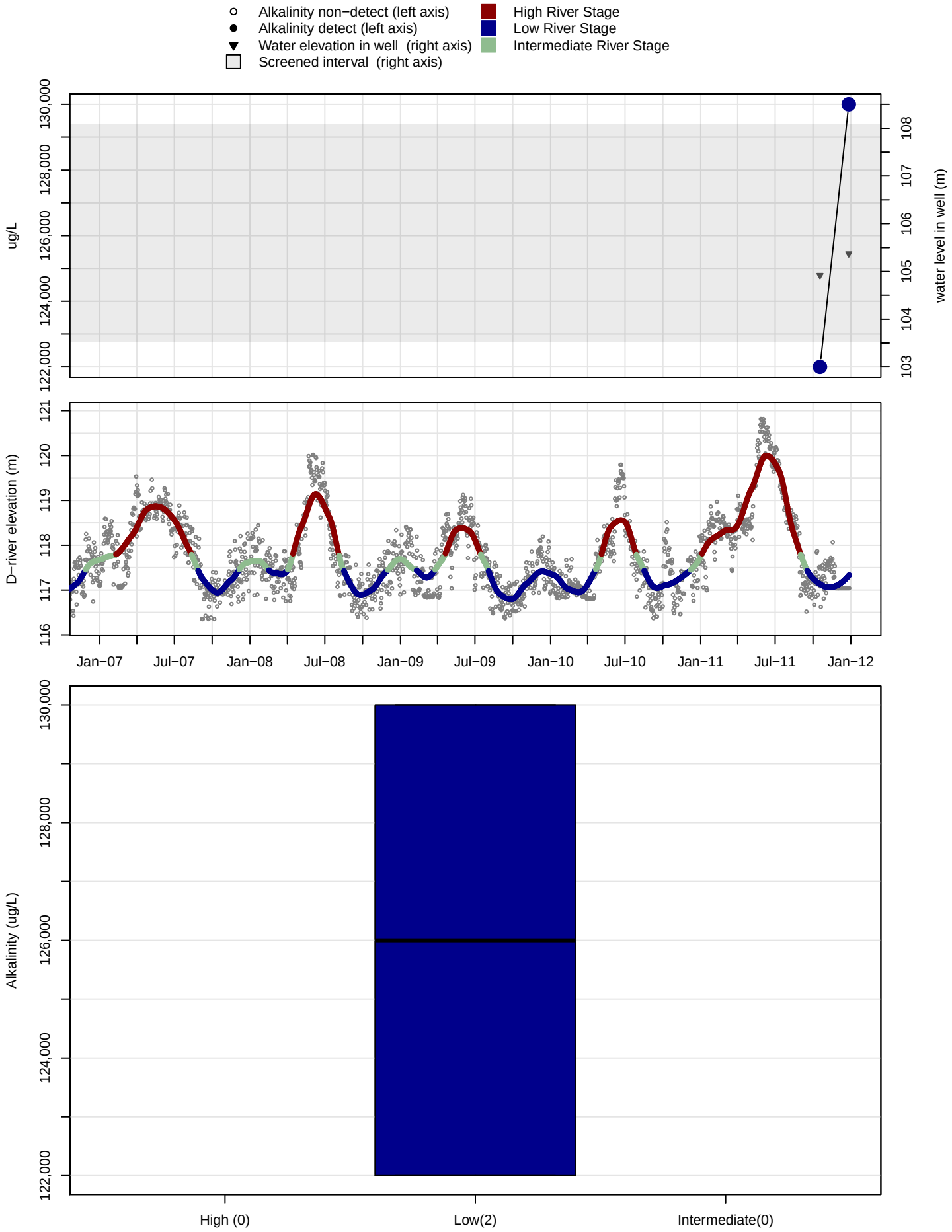
Mann Whitney p = NA t−test p = NA

399−1−23 (310m) Lag (10 Days)



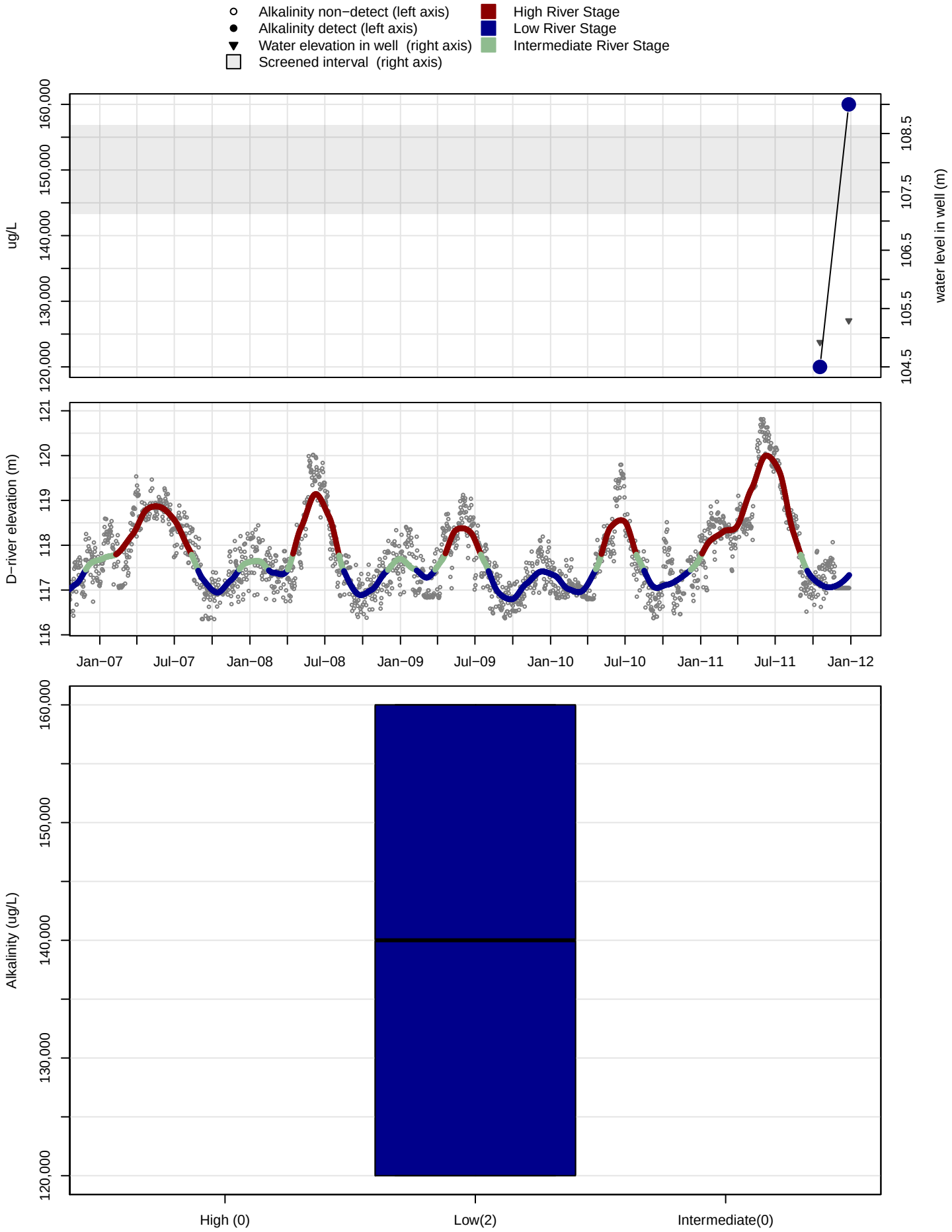
Mann Whitney p = 9.99e−04 t−test p = 2.4e−02

399−1−54 (116m) Lag (Indeterminate)



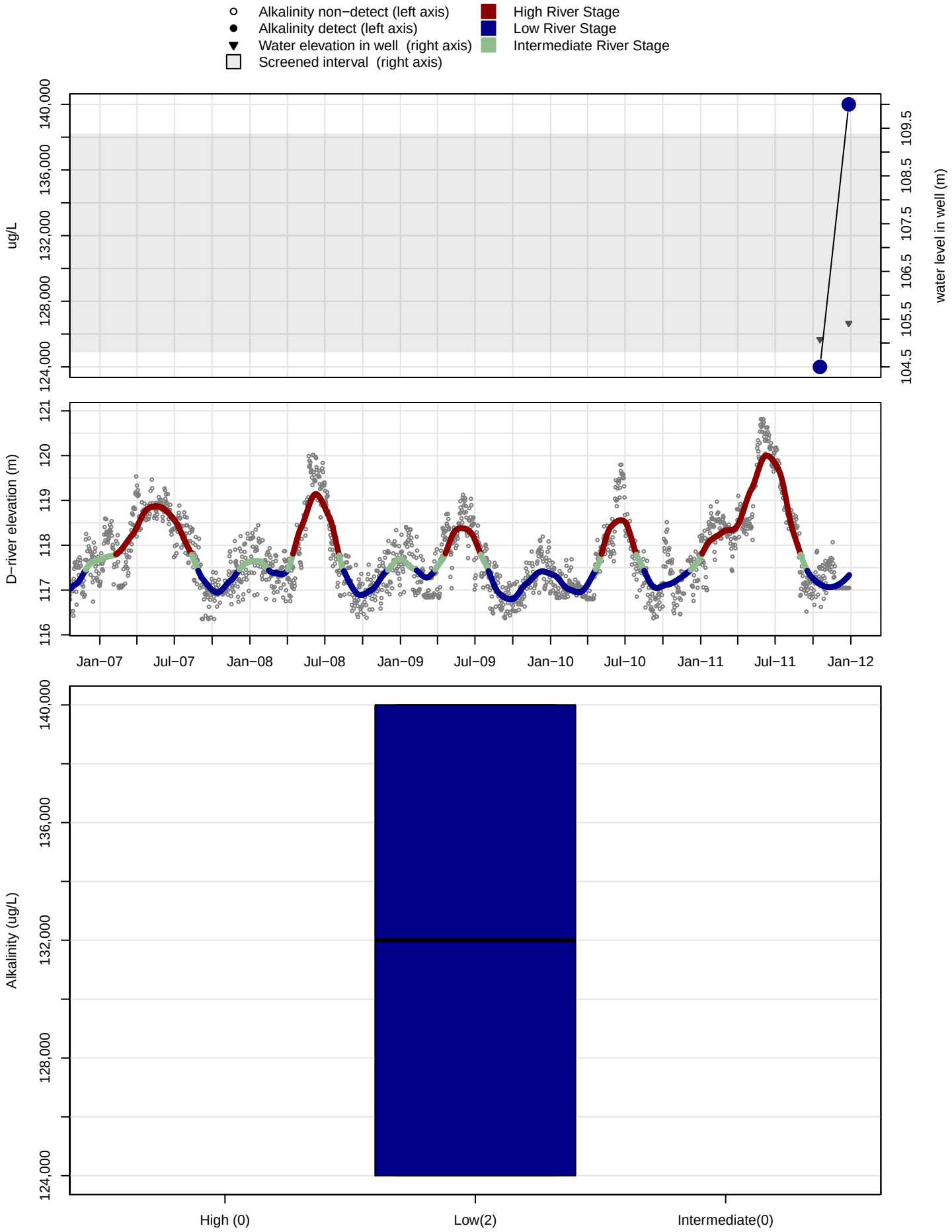
Mann Whitney p = NA t−test p = NA

399−1−55 (270m) Lag (Indeterminate)



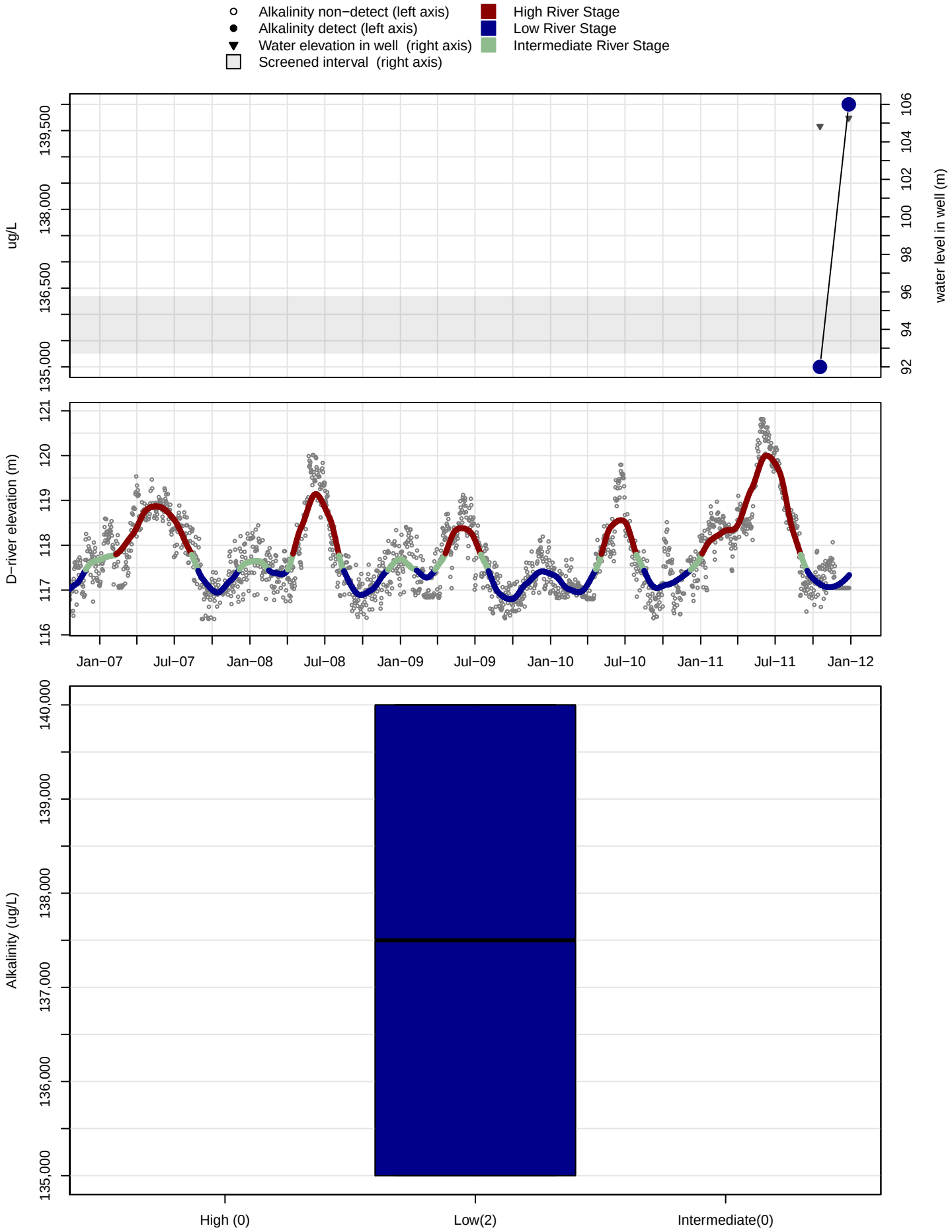
Mann Whitney p = NA t−test p = NA

399−1−56 (291m) Lag (Indeterminate)



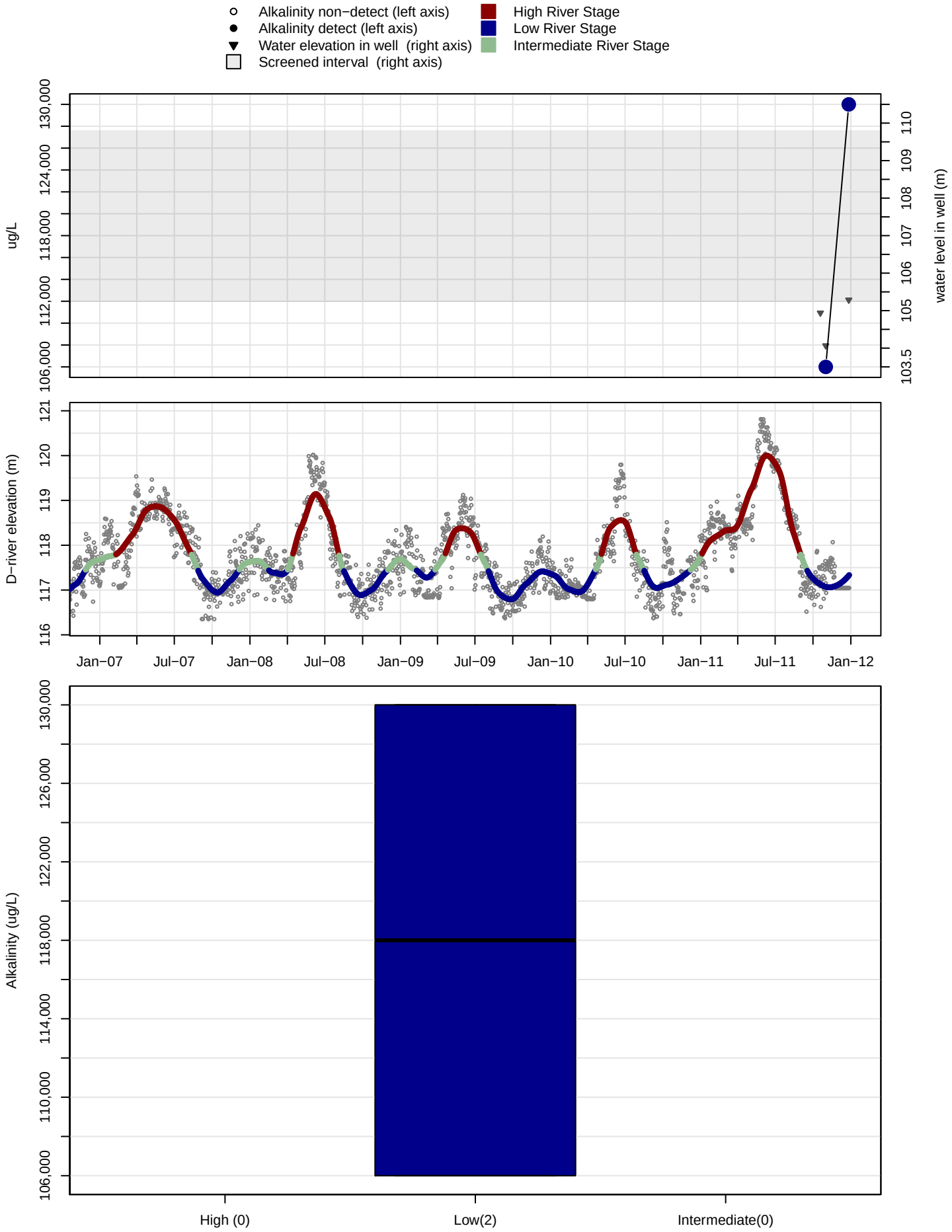
Mann Whitney p = NA t−test p = NA

399−1−57 (65m) Lag (Indeterminate)



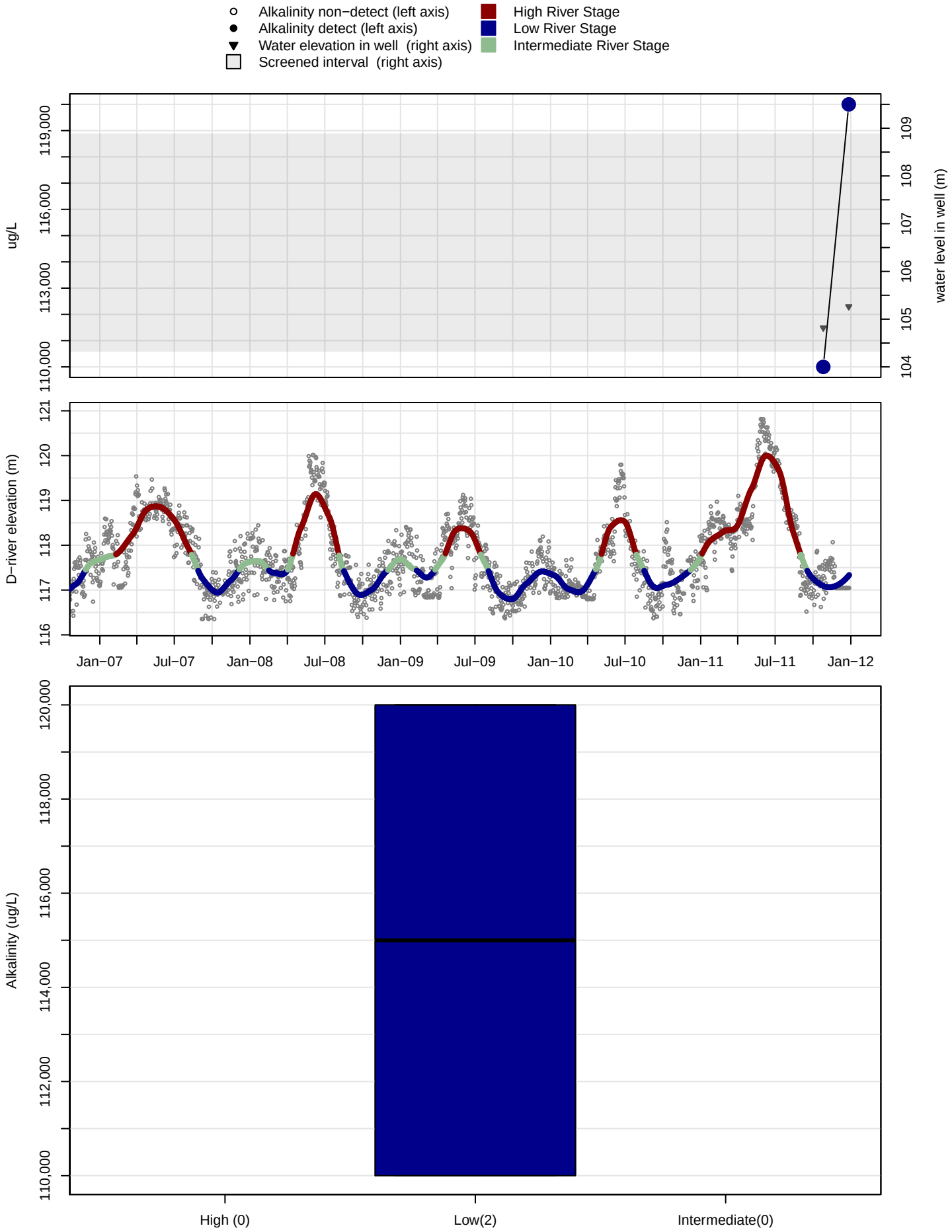
Mann Whitney p = NA t−test p = NA

399−1−58 (527m) Lag (Indeterminate)



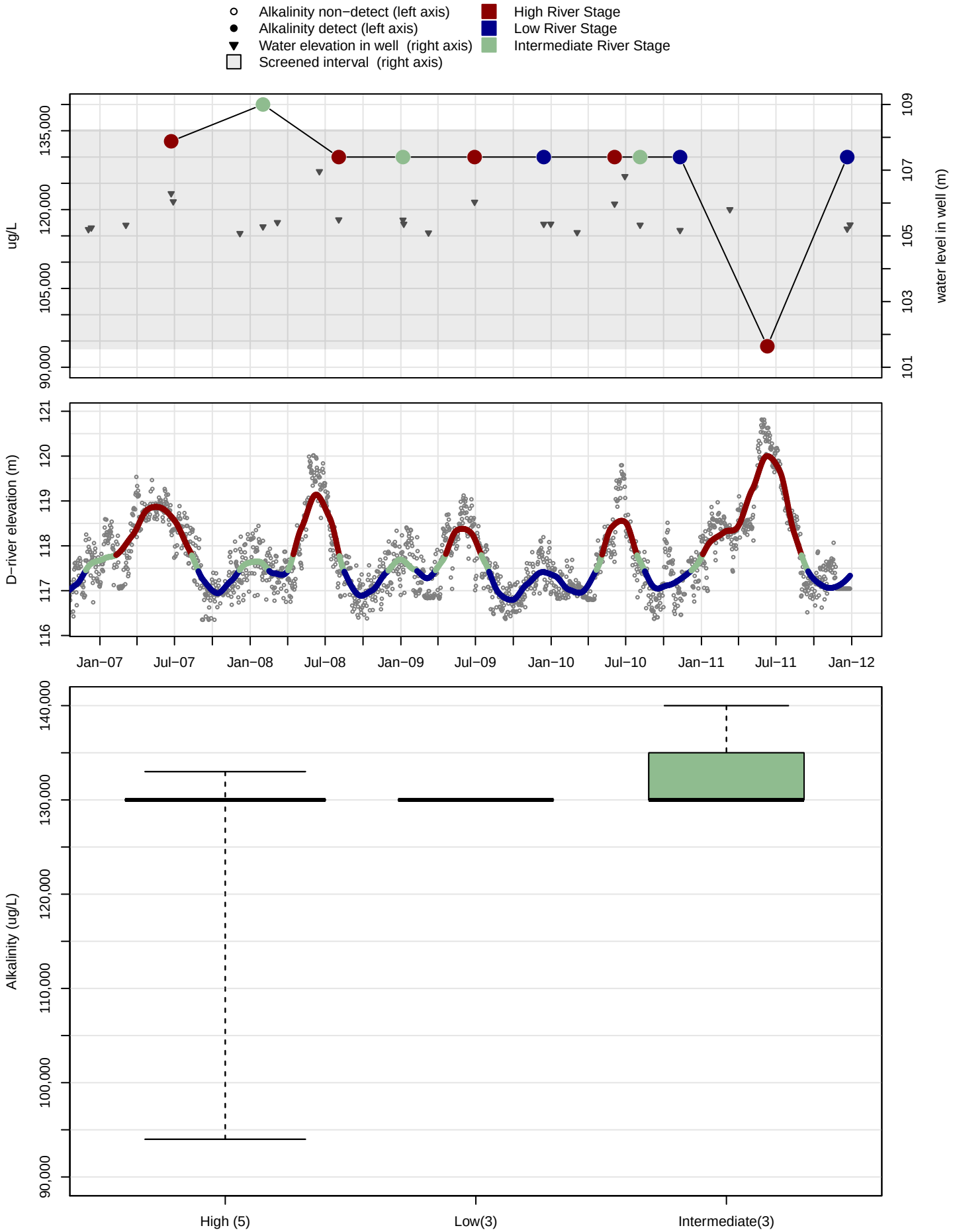
Mann Whitney p = NA t−test p = NA

399−1−59 (417m) Lag (Indeterminate)



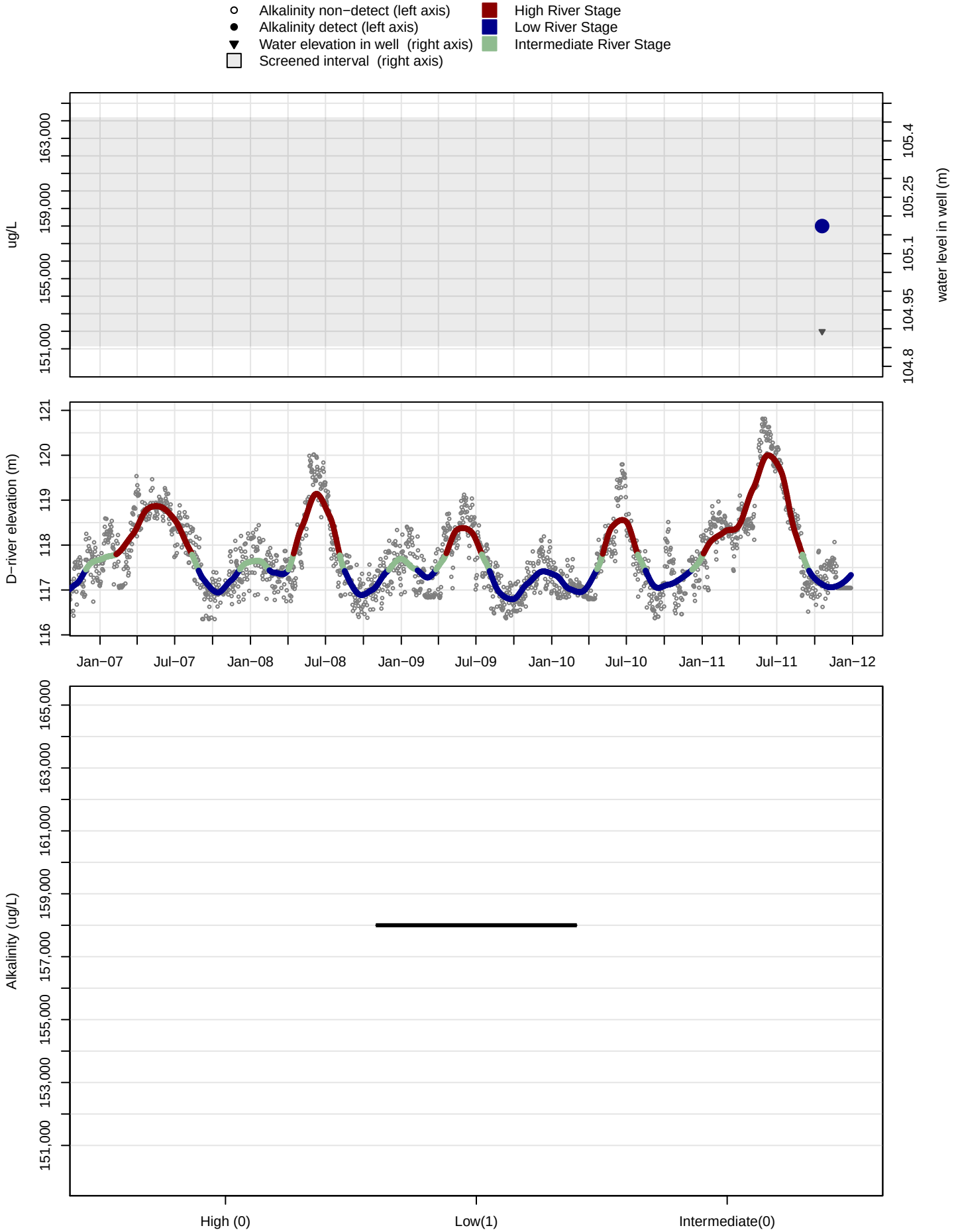
Mann Whitney p = NA t−test p = NA

399−1−6 (217m) Lag (4 Days)



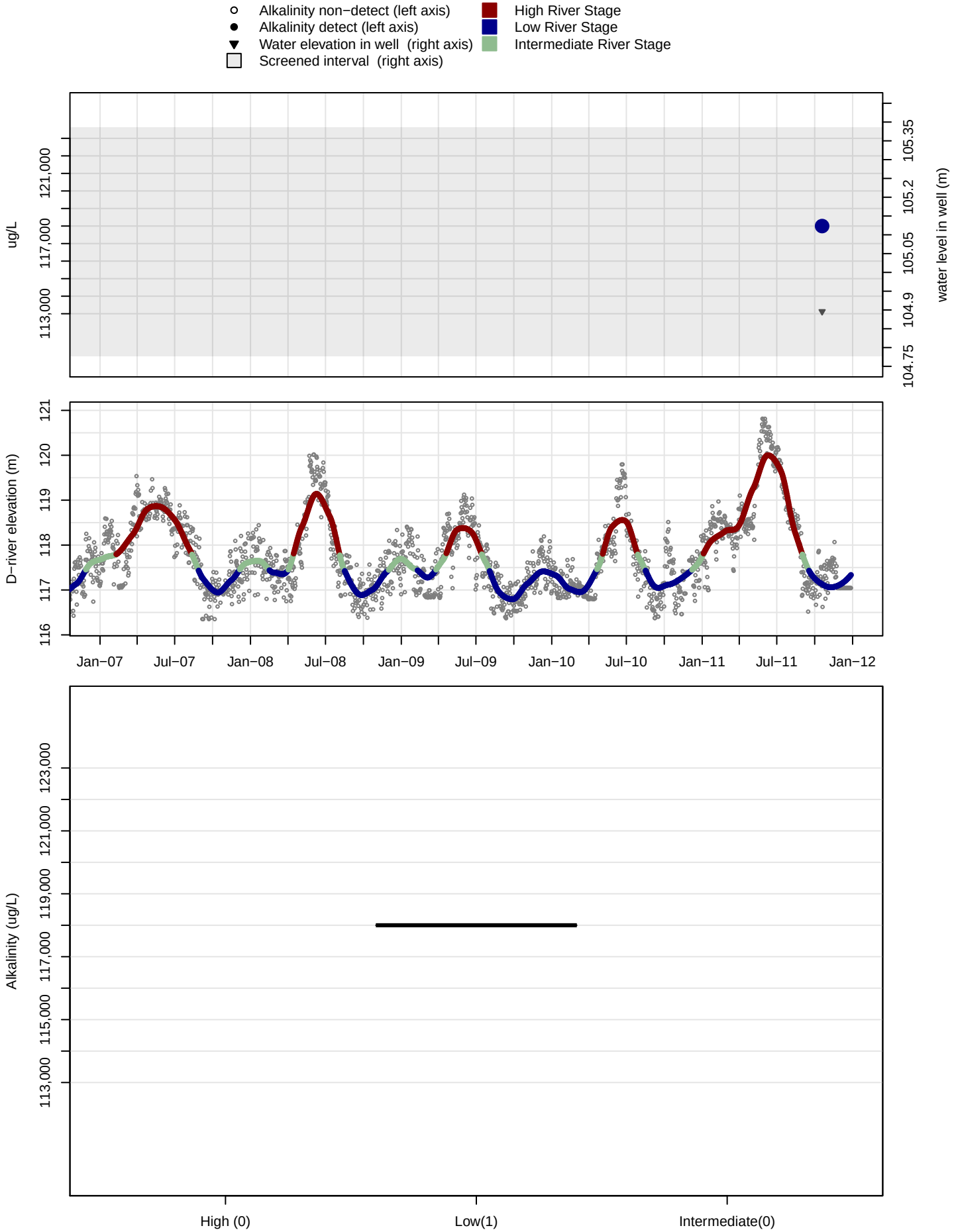
Mann Whitney p = 1e+00 t−test p = 4.21e−01

399−1−62 (177m) Lag (Indeterminate)



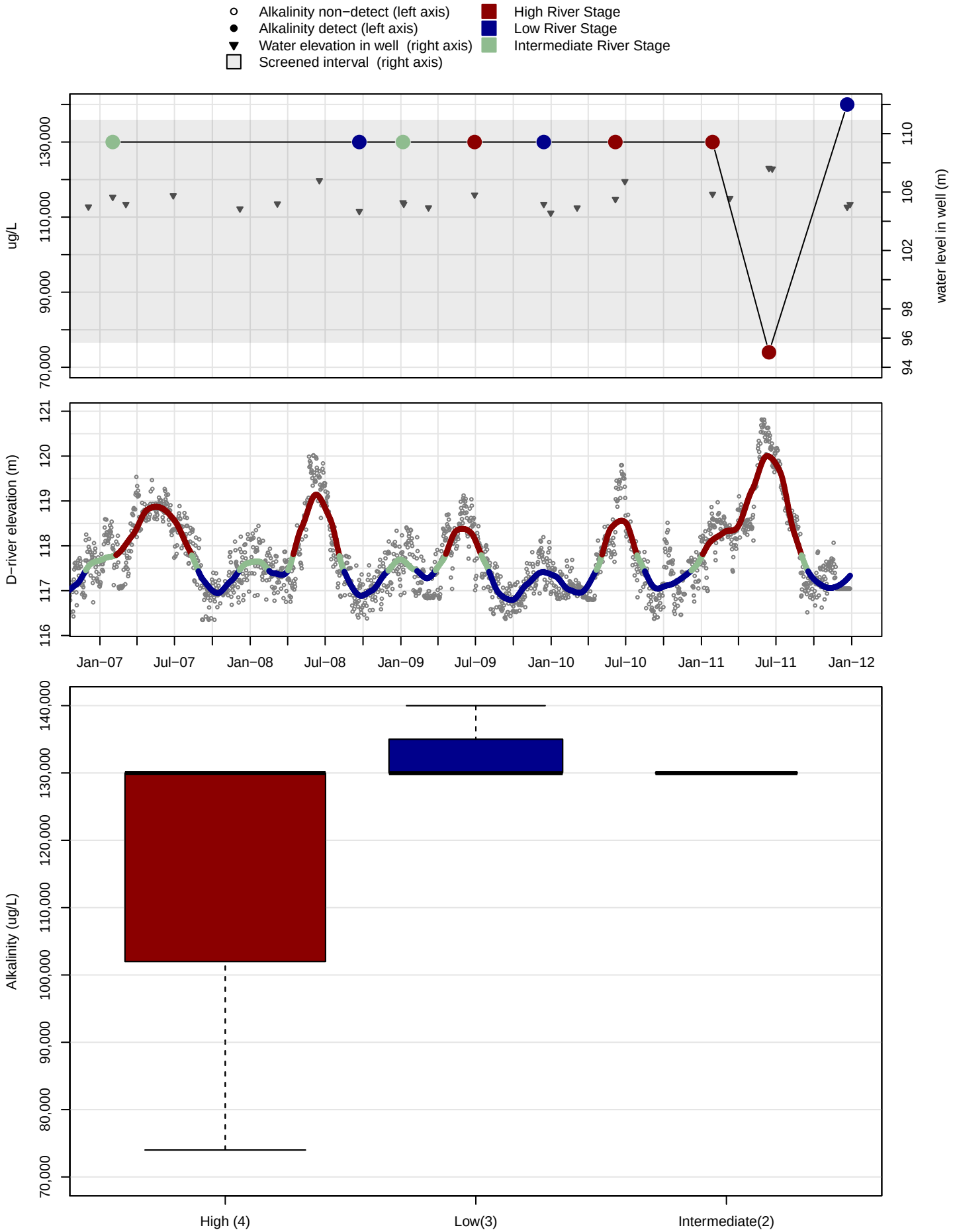
Mann Whitney p = NA t−test p = NA

399−1−64 (296m) Lag (Indeterminate)



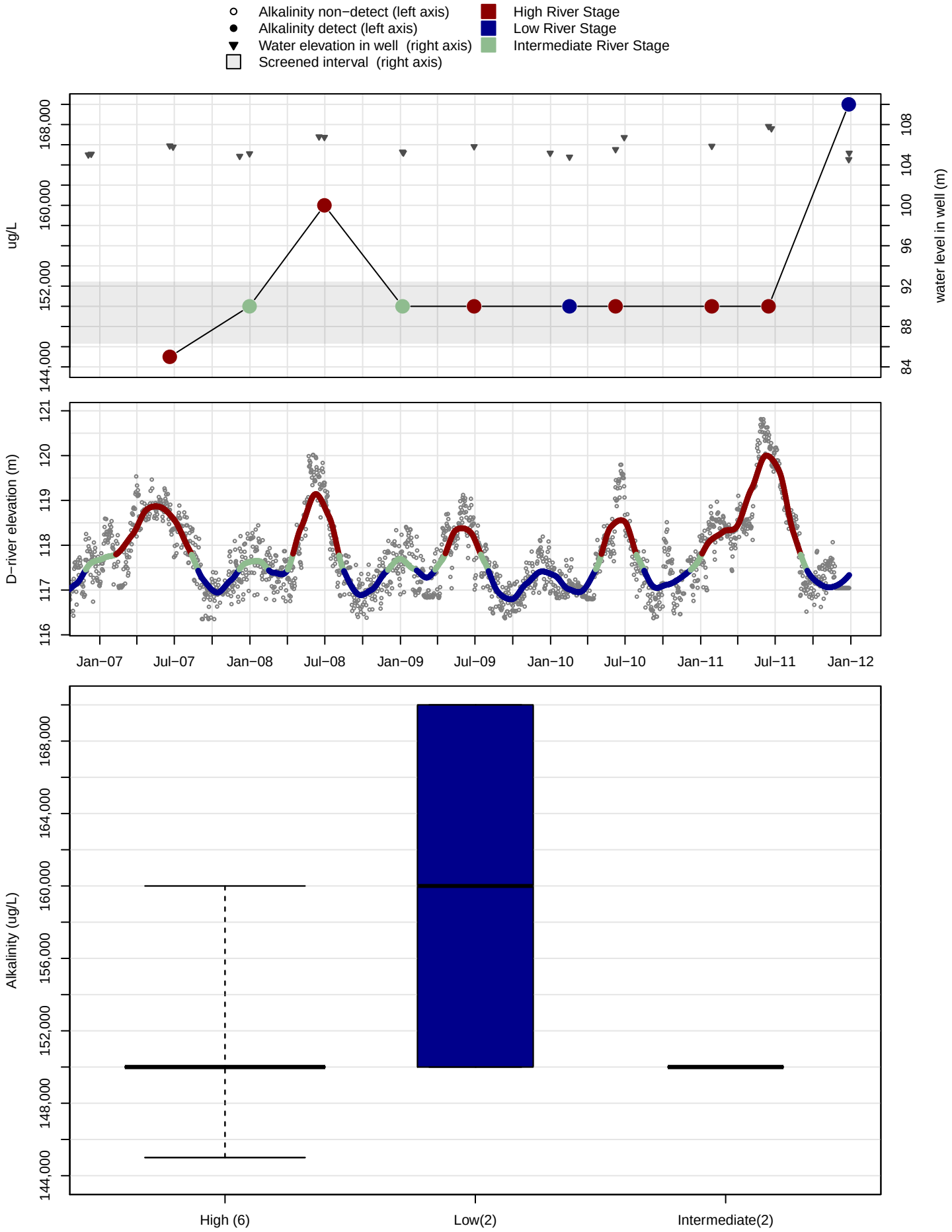
Mann Whitney p = NA t−test p = NA

399−1−7 (188m) Lag (13 Days)



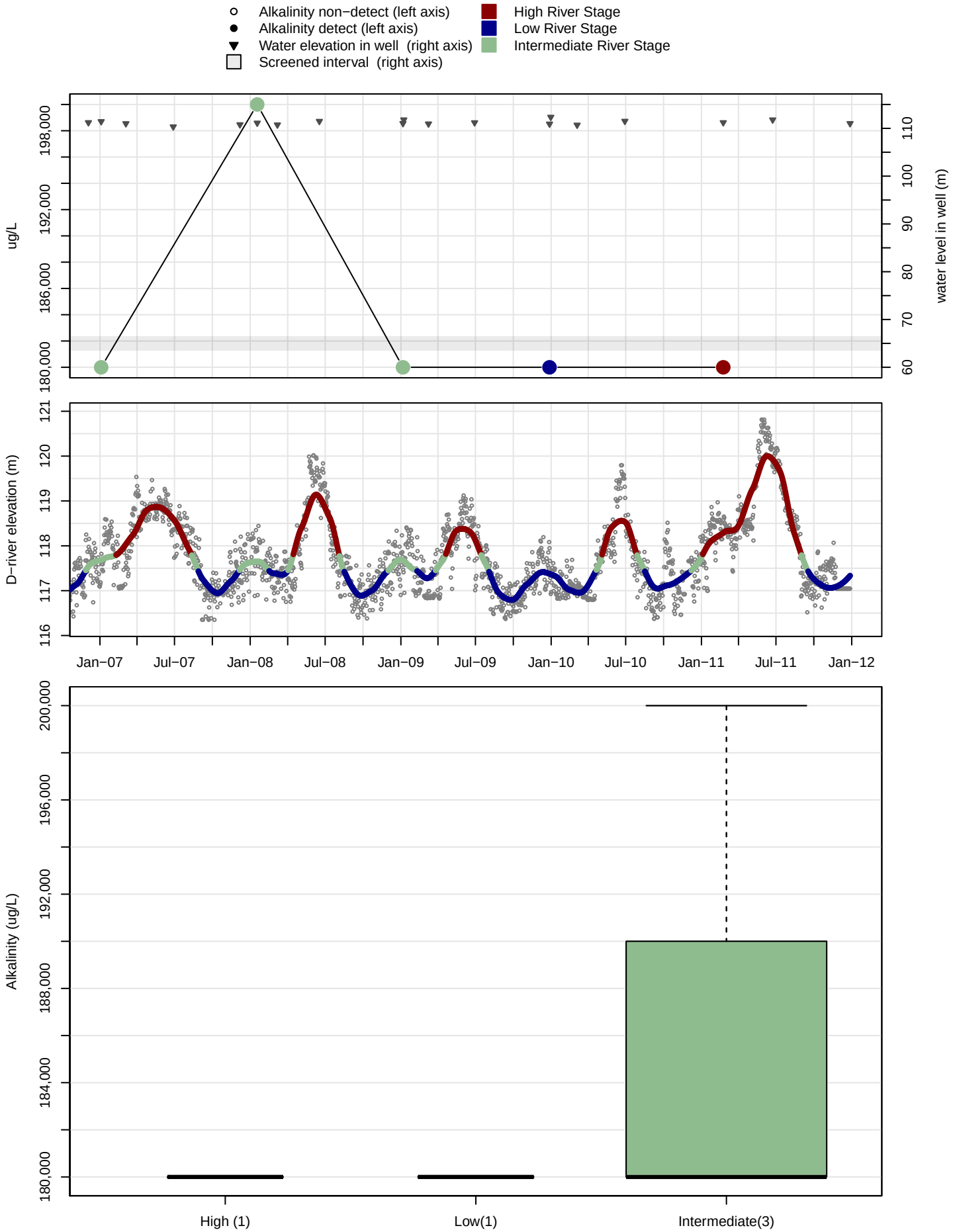
Mann Whitney p = 5.71e−01 t−test p = 3.07e−01

399−1−8 (191m) Lag (6 Days)



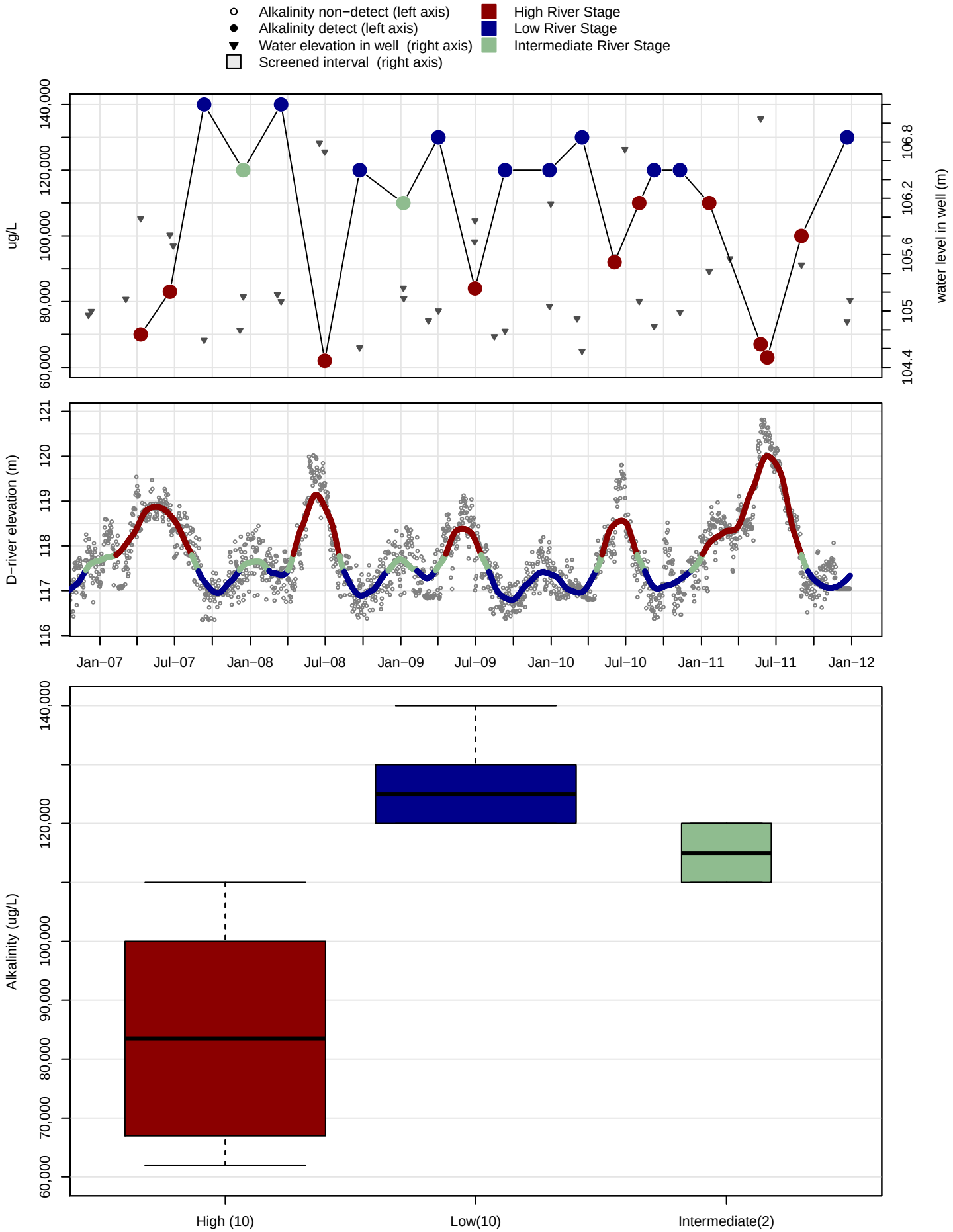
Mann Whitney p = NA t−test p = NA

399−1−9 (195m) Lag (6 Days)



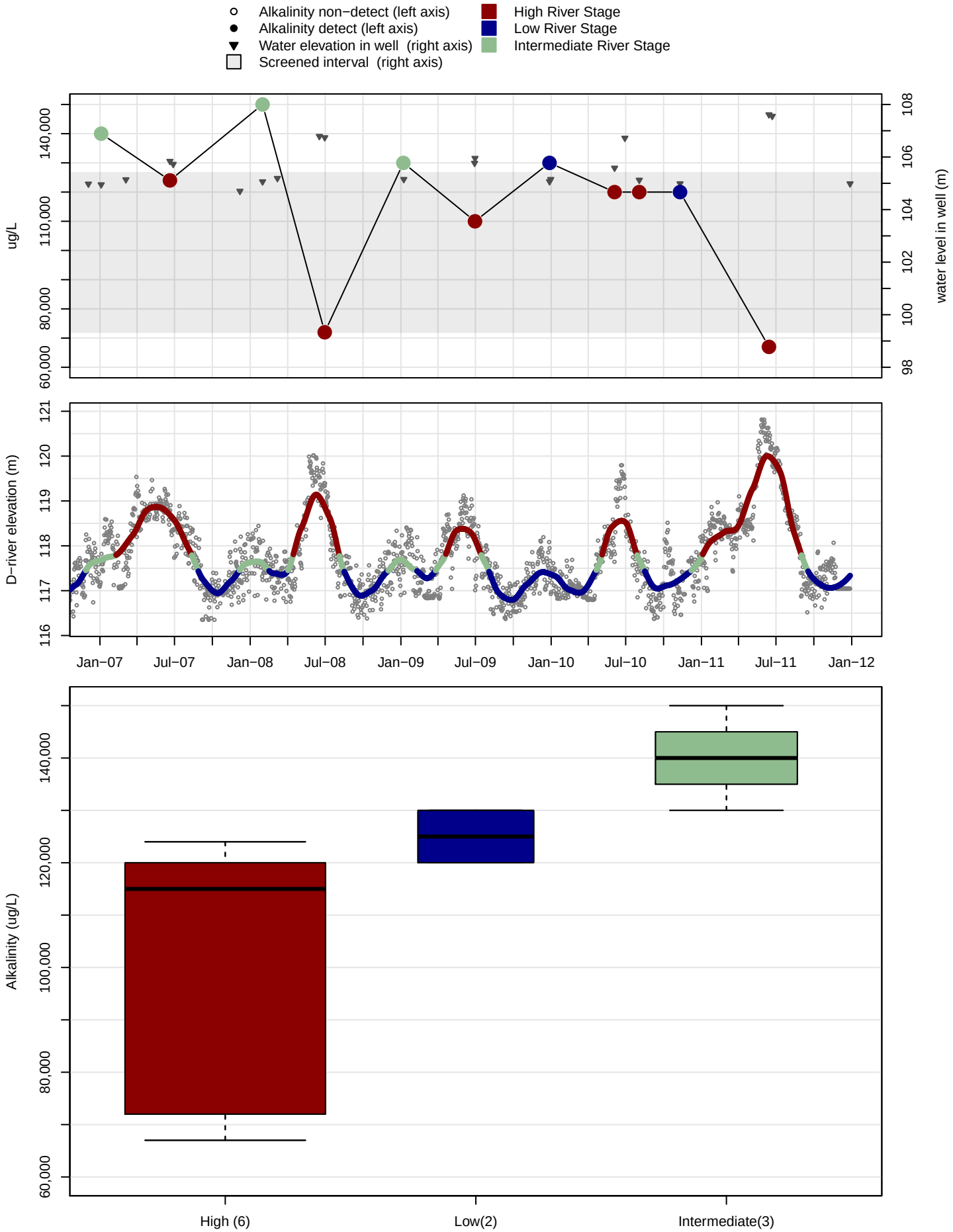
Mann Whitney p = NA t−test p = NA

399−2−1 (47m) Lag (6 Days)



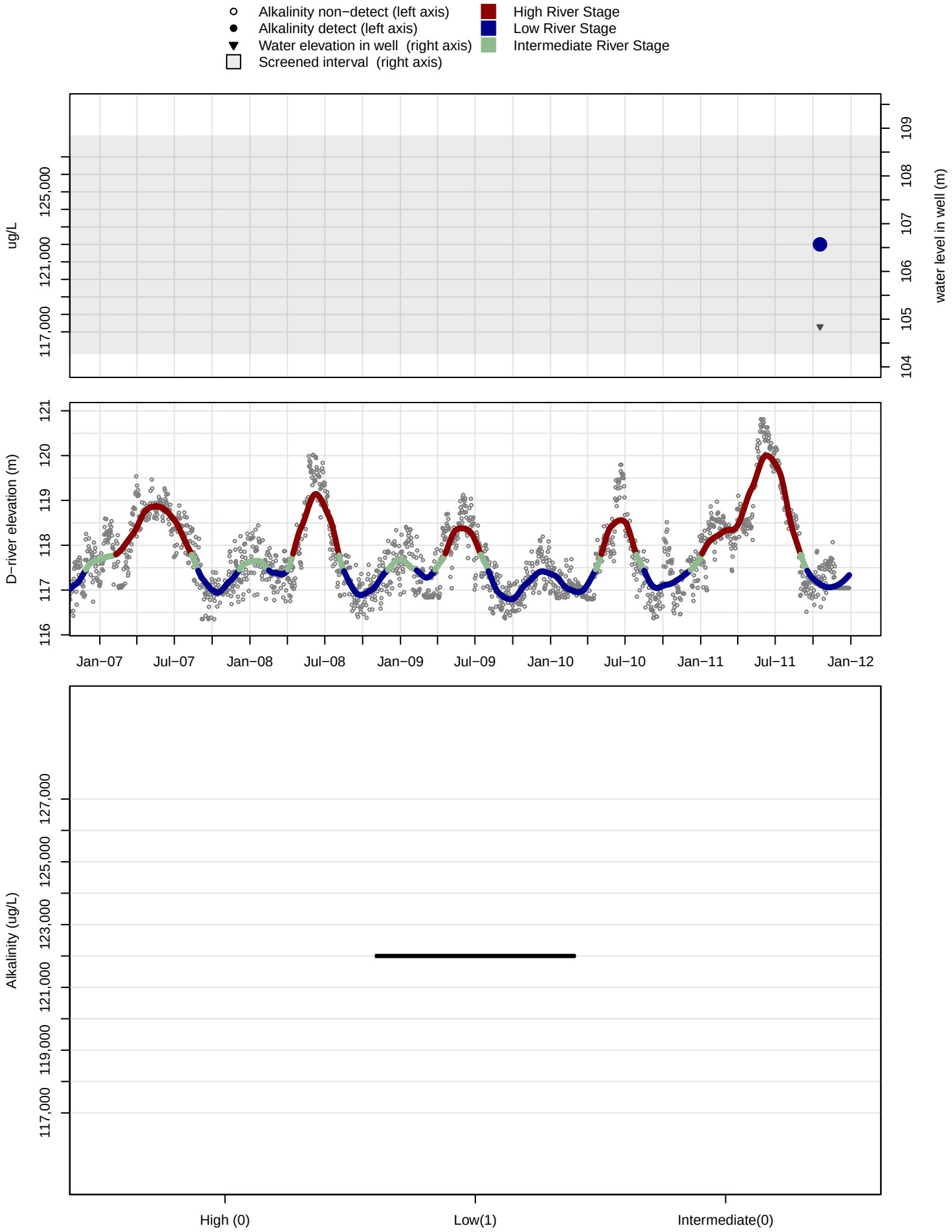
Mann Whitney p = 1.08e−05 t−test p = 1.85e−05

399−2−2 (78m) Lag (8 Days)



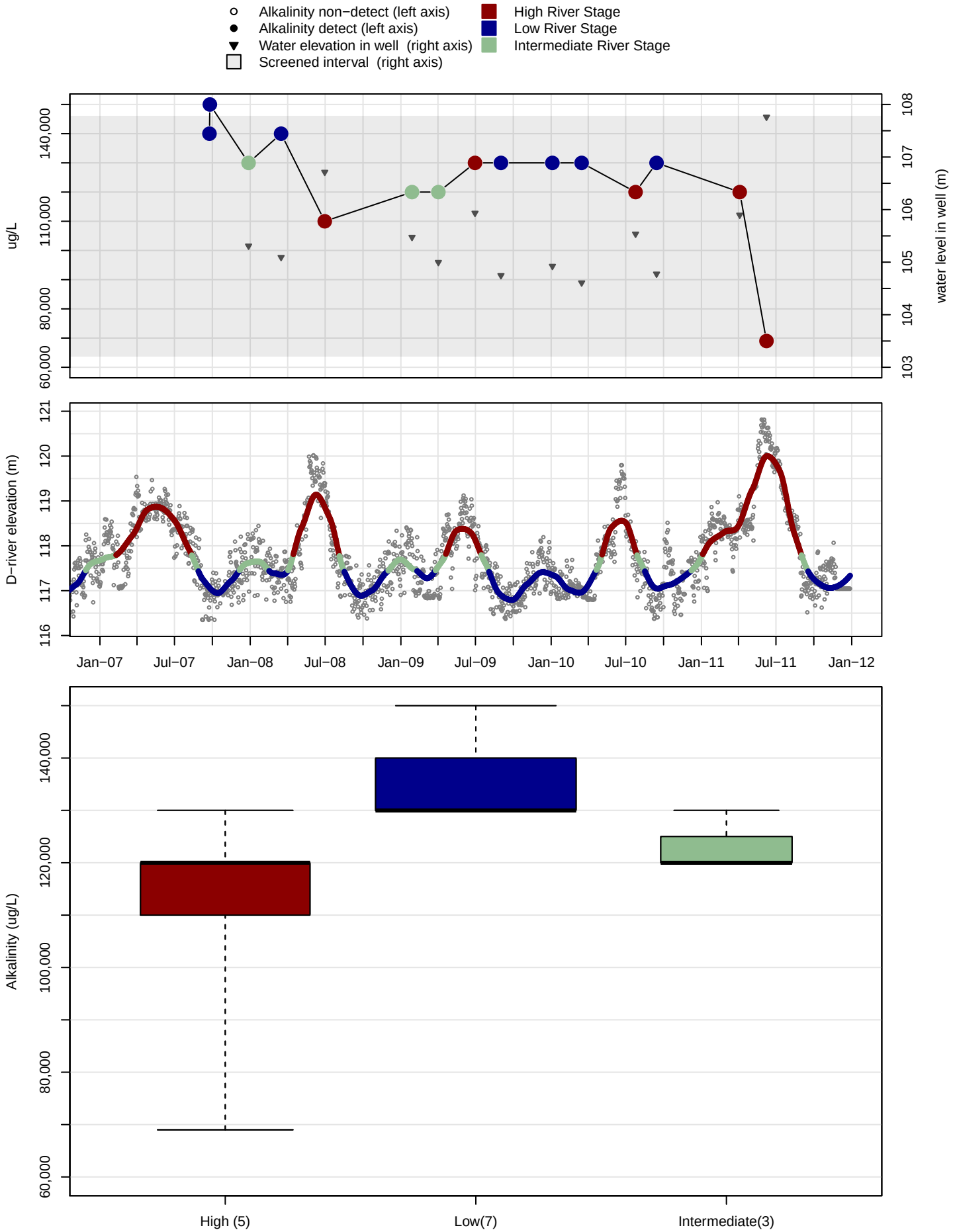
Mann Whitney p = NA t−test p = NA

399−2−32 (201m) Lag (Indeterminate)



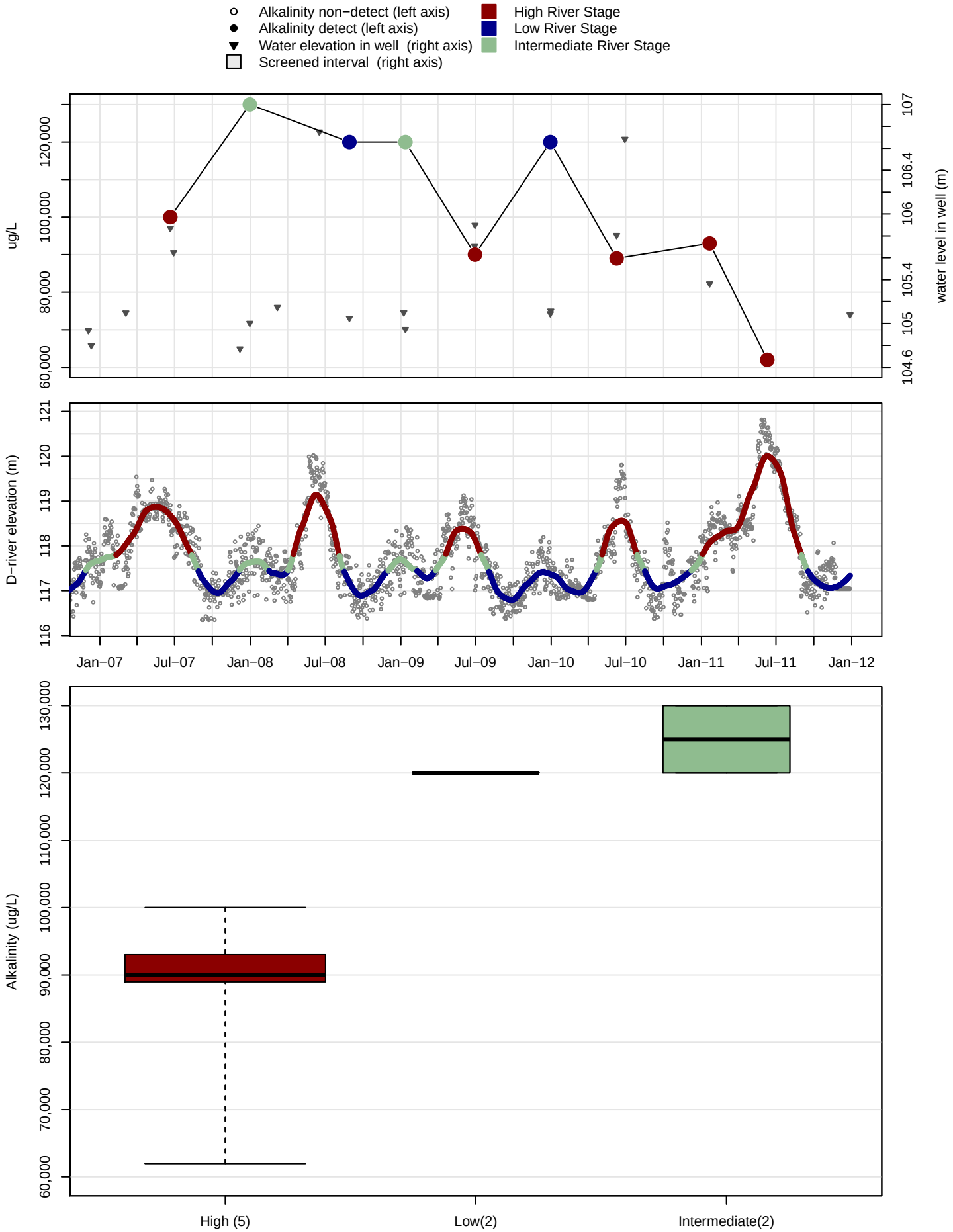
Mann Whitney p = NA t−test p = NA

399−2−5 (234m) Lag (4 Days)



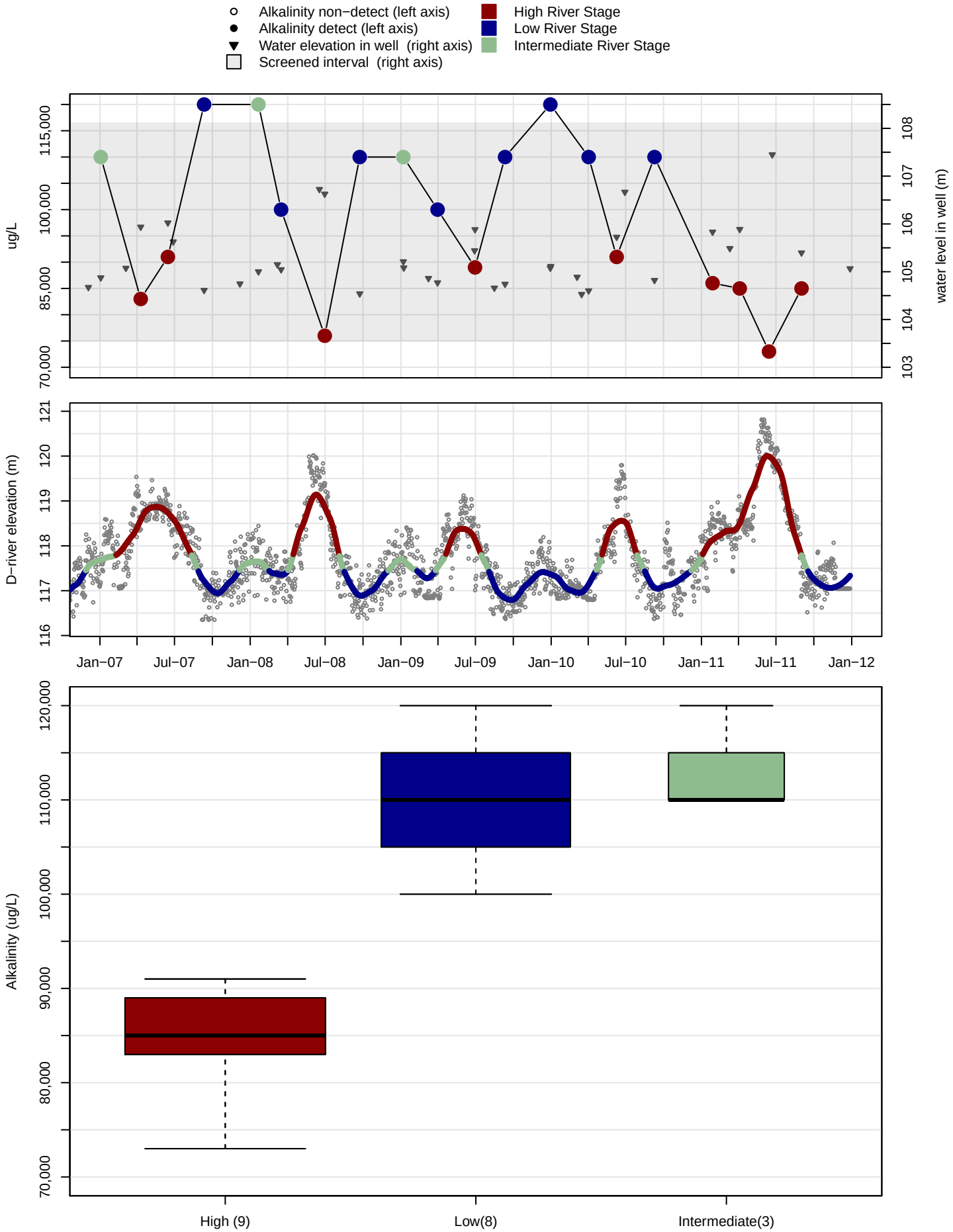
Mann Whitney p = 6.31e−03 t−test p = 7.08e−02

399−3−1 (52m) Lag (11 Days)



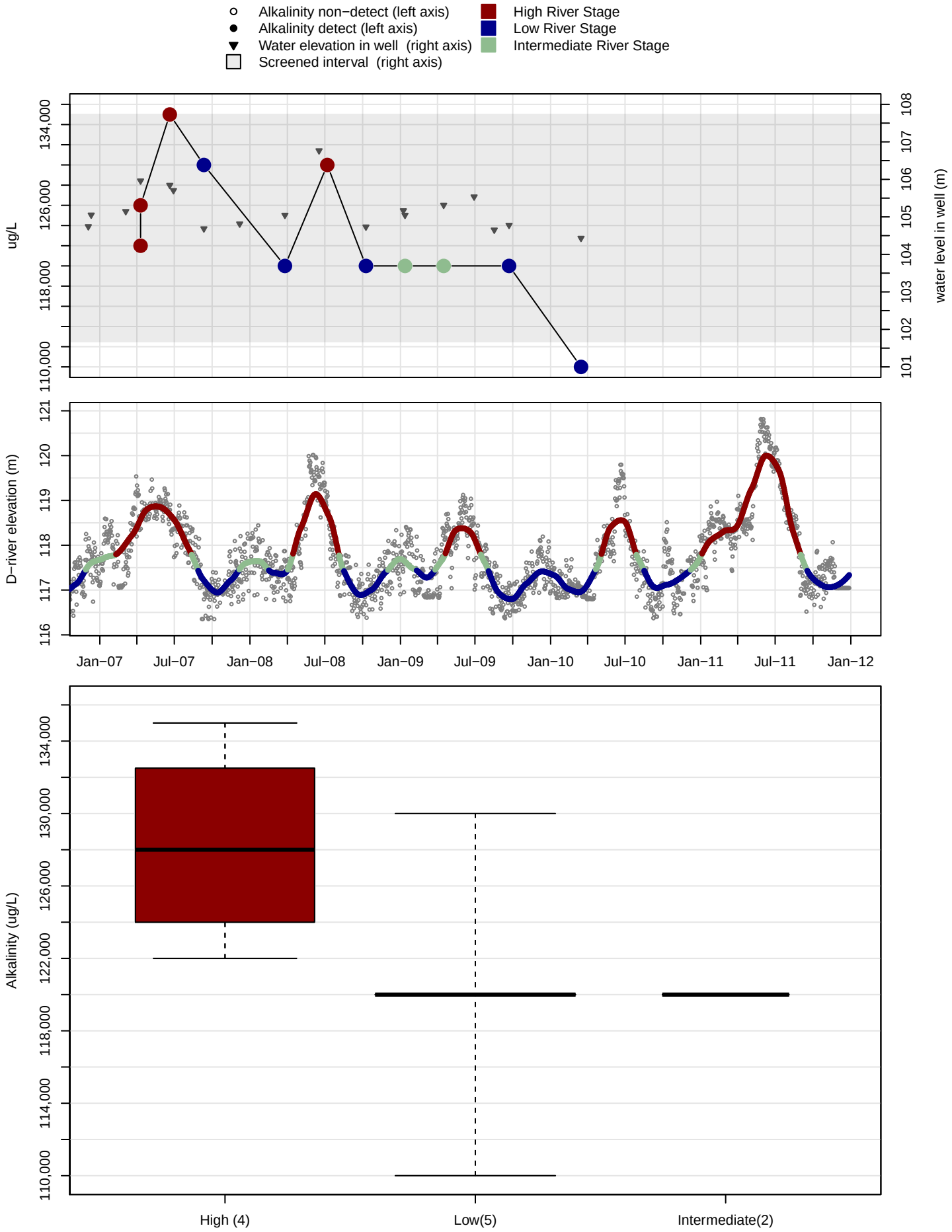
Mann Whitney p = NA t−test p = NA

399−3−10 (51m) Lag (7 Days)



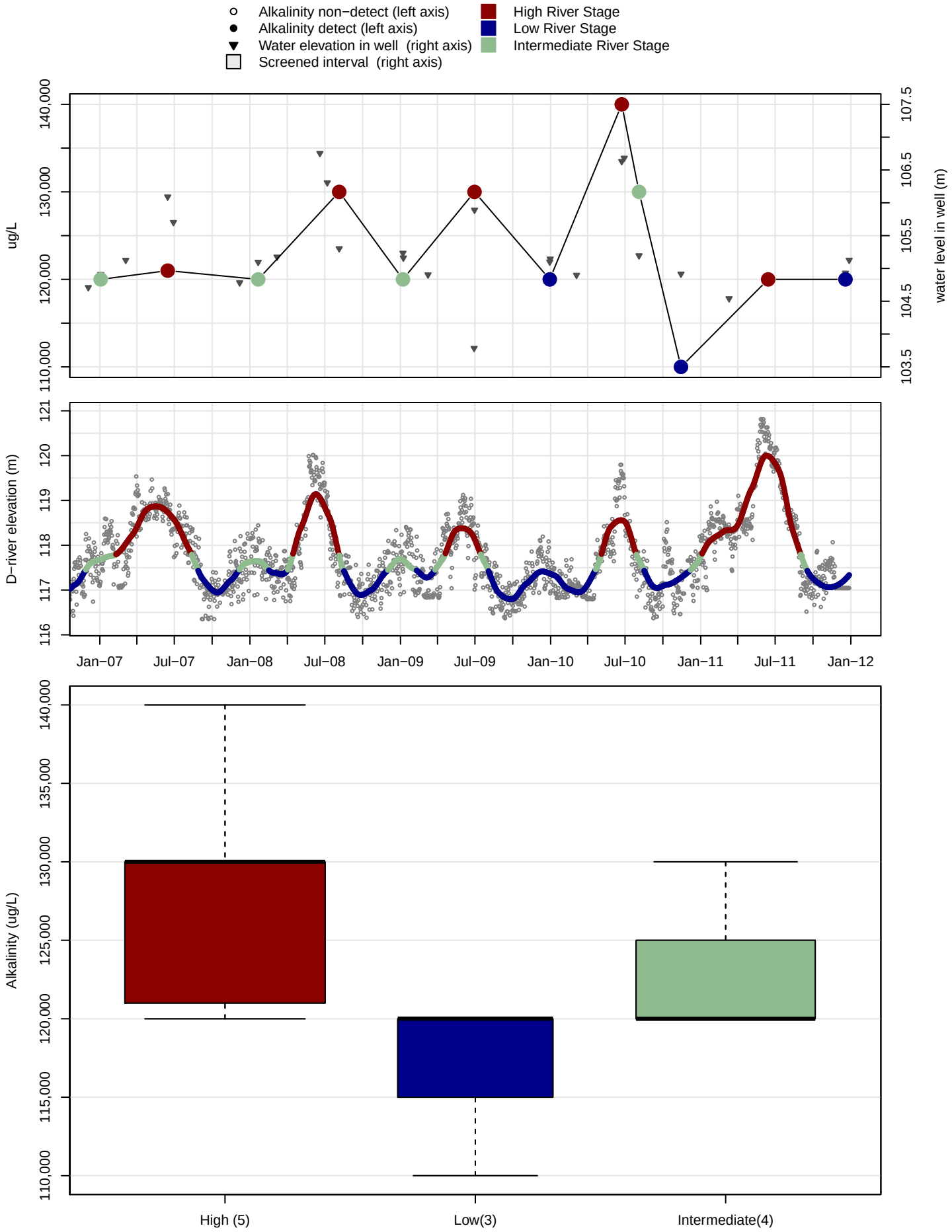
Mann Whitney p = 4.11e−05 t−test p = 2.98e−06

399−3−11 (271m) Lag (1 Days)



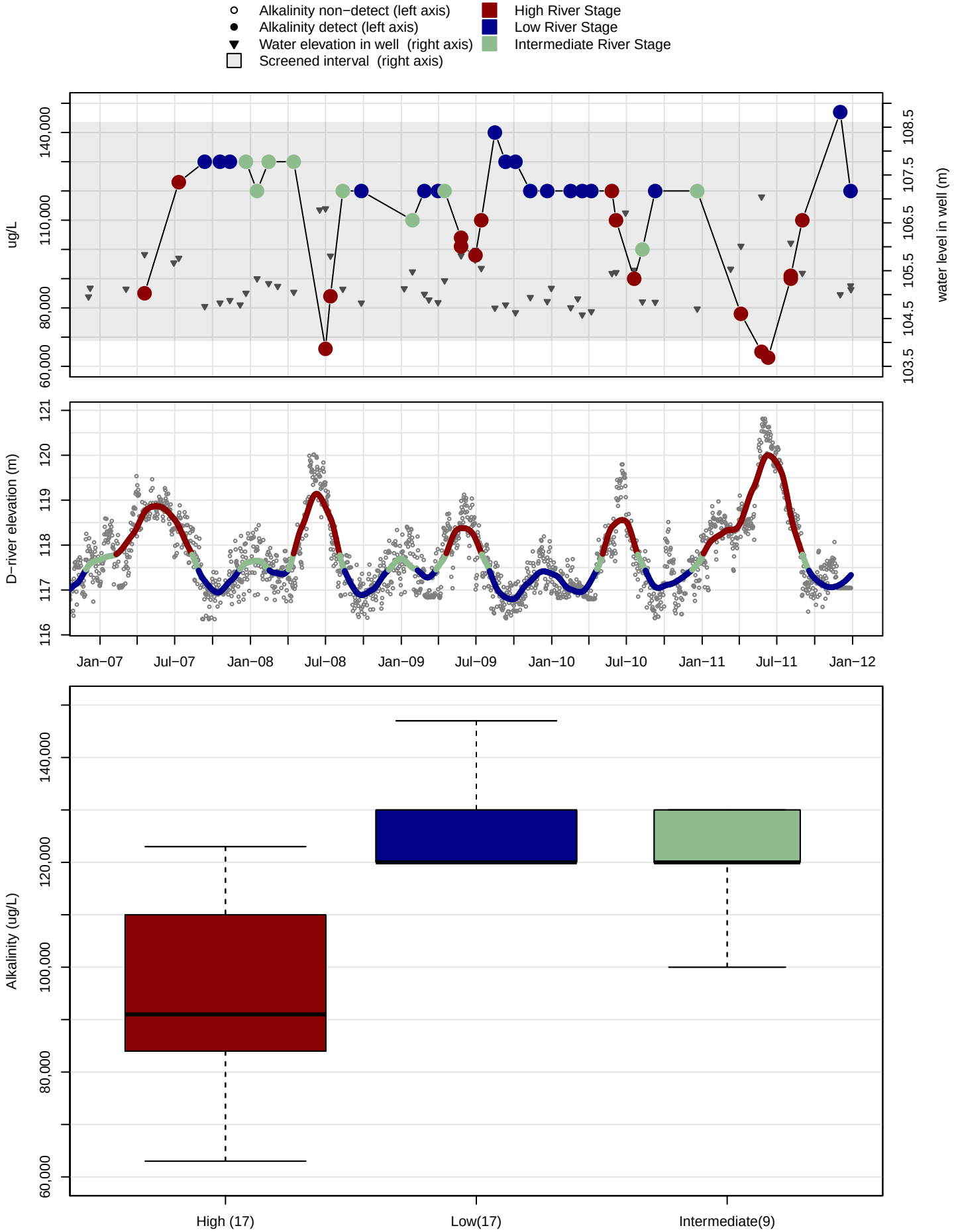
Mann Whitney p = 6.35e−02 t−test p = 9.09e−02

399−3−12 (326m) Lag (0 Days)



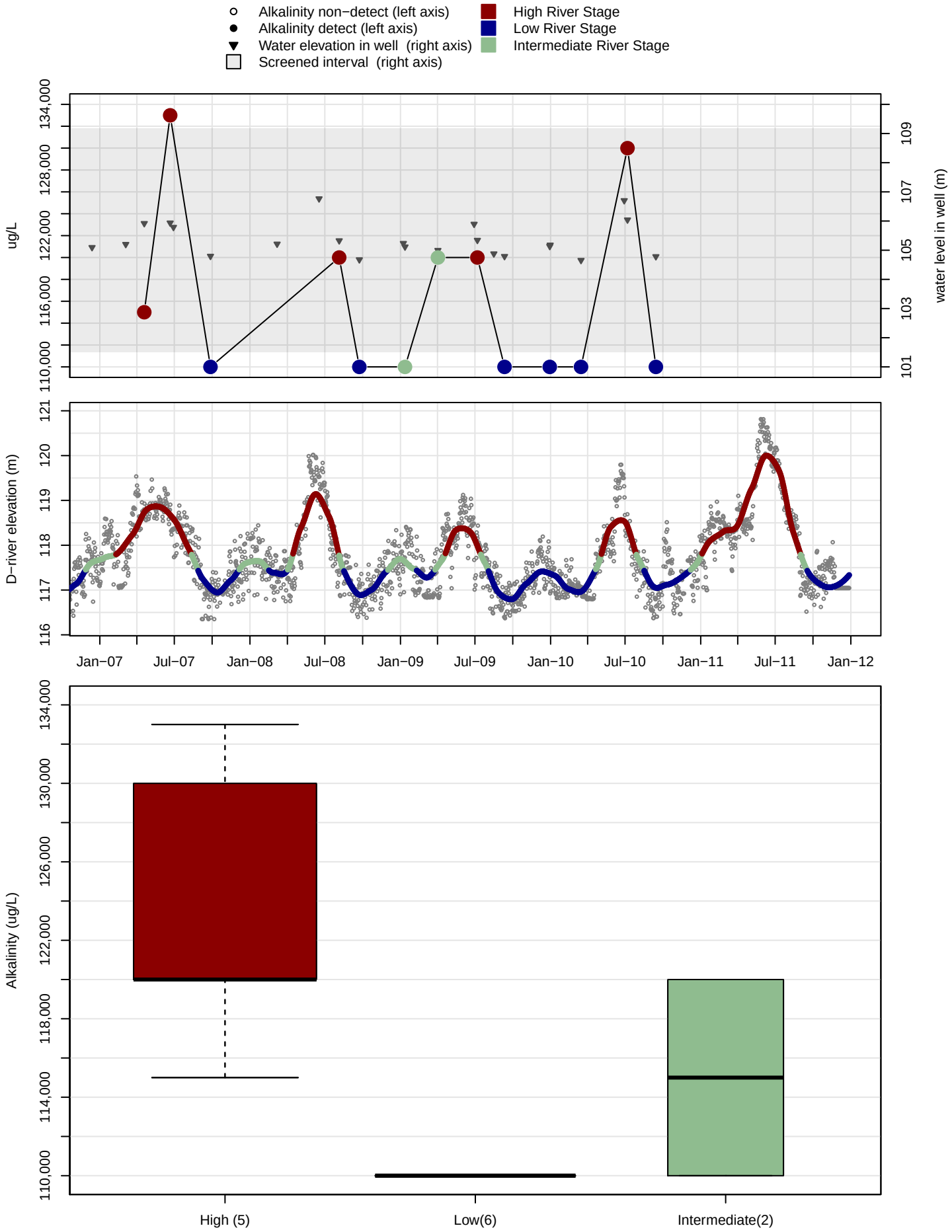
Mann Whitney p = 7.14e−02 t−test p = 6.1e−02

399−3−18 (65m) Lag (5 Days)



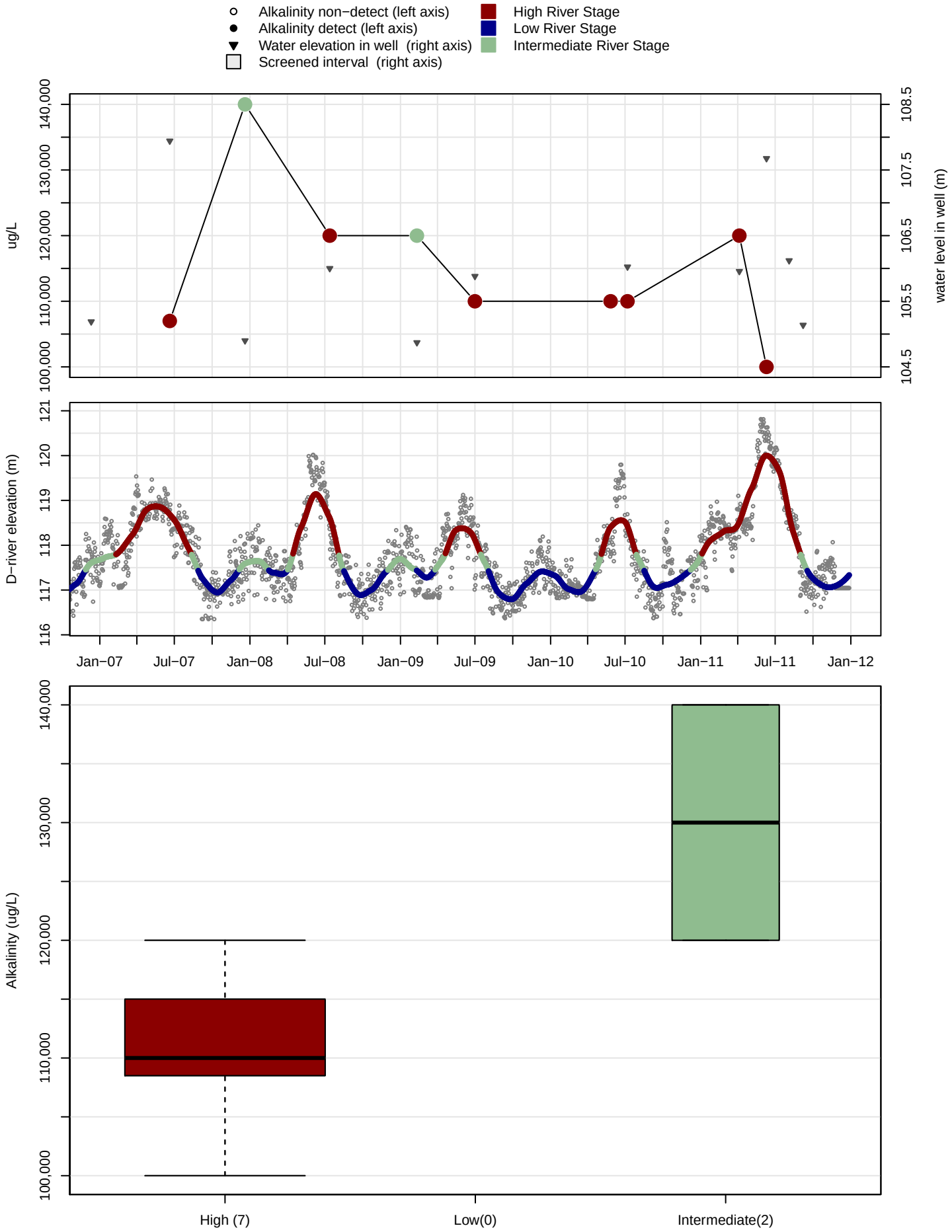
Mann Whitney p = 5.66e−08 t−test p = 1.33e−06

399−3−19 (452m) Lag (2 Days)



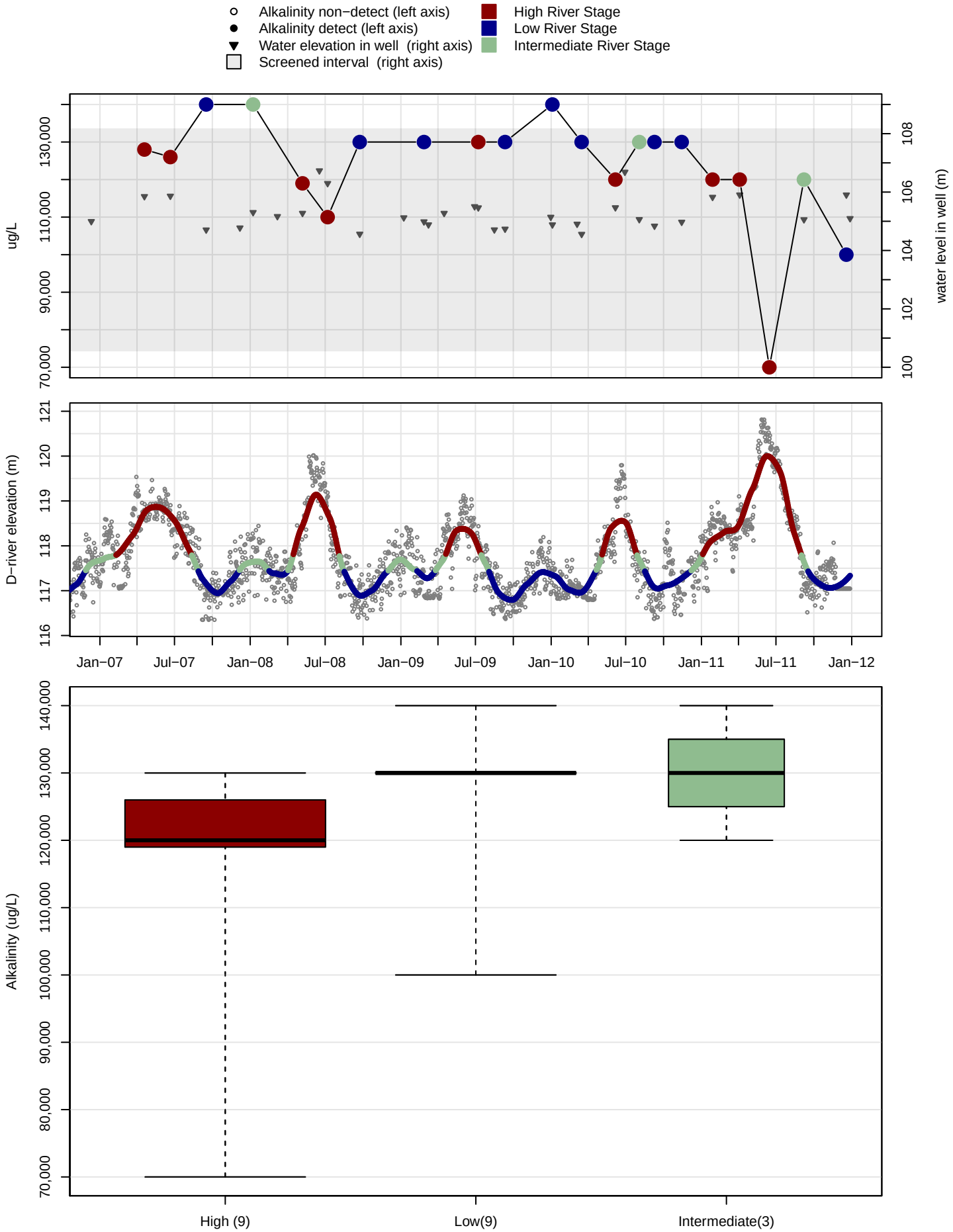
Mann Whitney p = 2.16e−03 t−test p = 1.59e−02

399−3−2 (642m) Lag (1 Days)



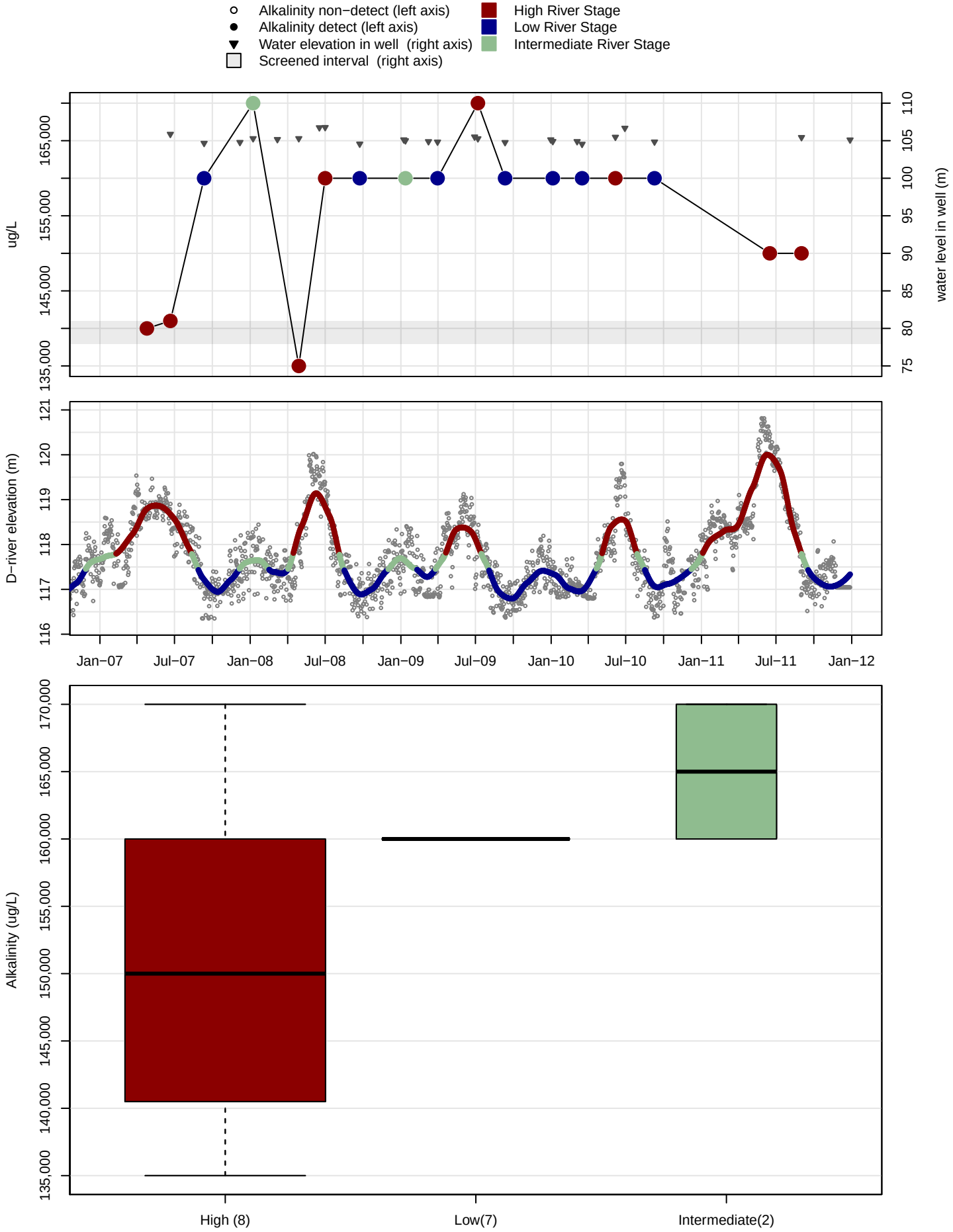
Mann Whitney p = NA t−test p = NA

399−3−20 (201m) Lag (0 Days)



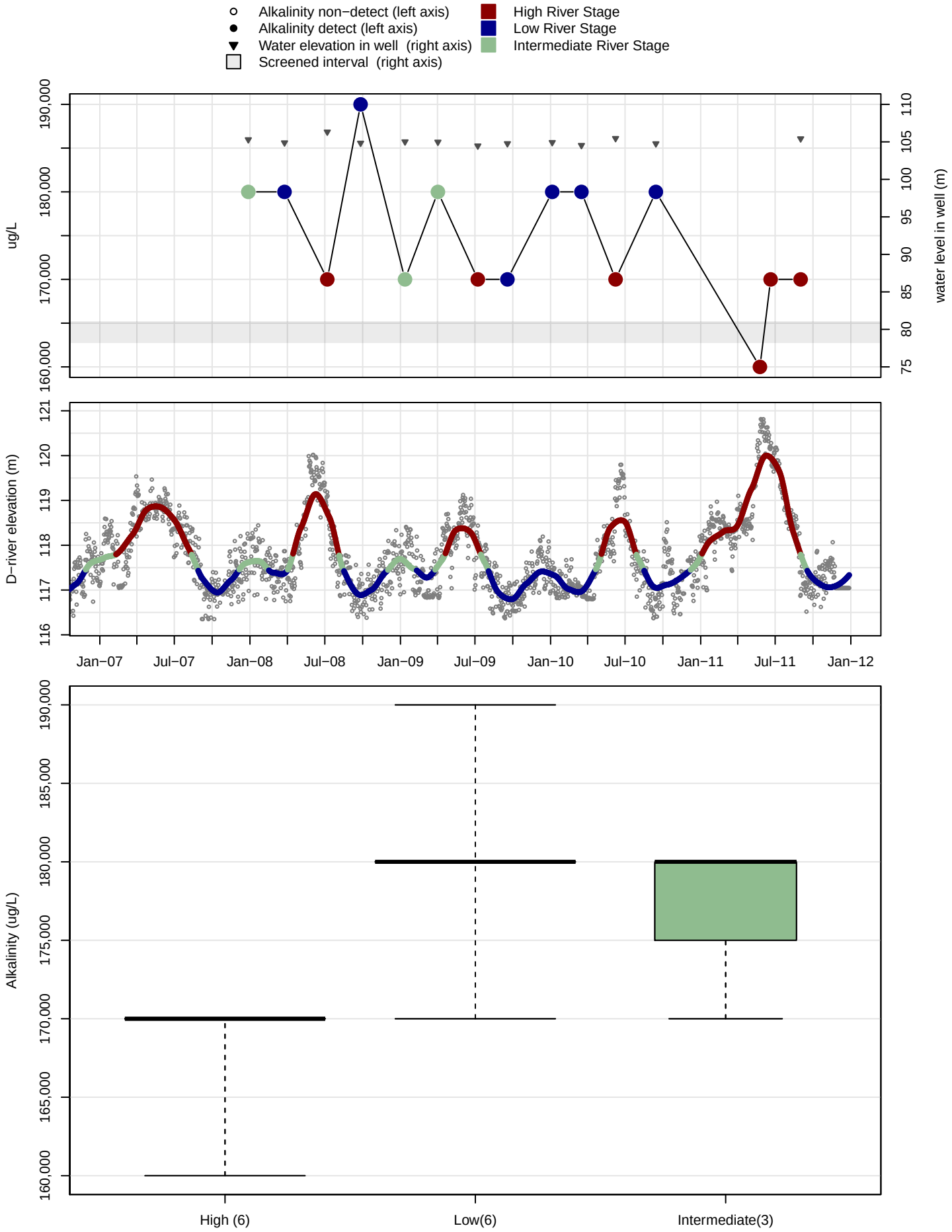
Mann Whitney p = 5.96e−03 t−test p = 9.33e−02

399−3−21 (196m) Lag (8 Days)



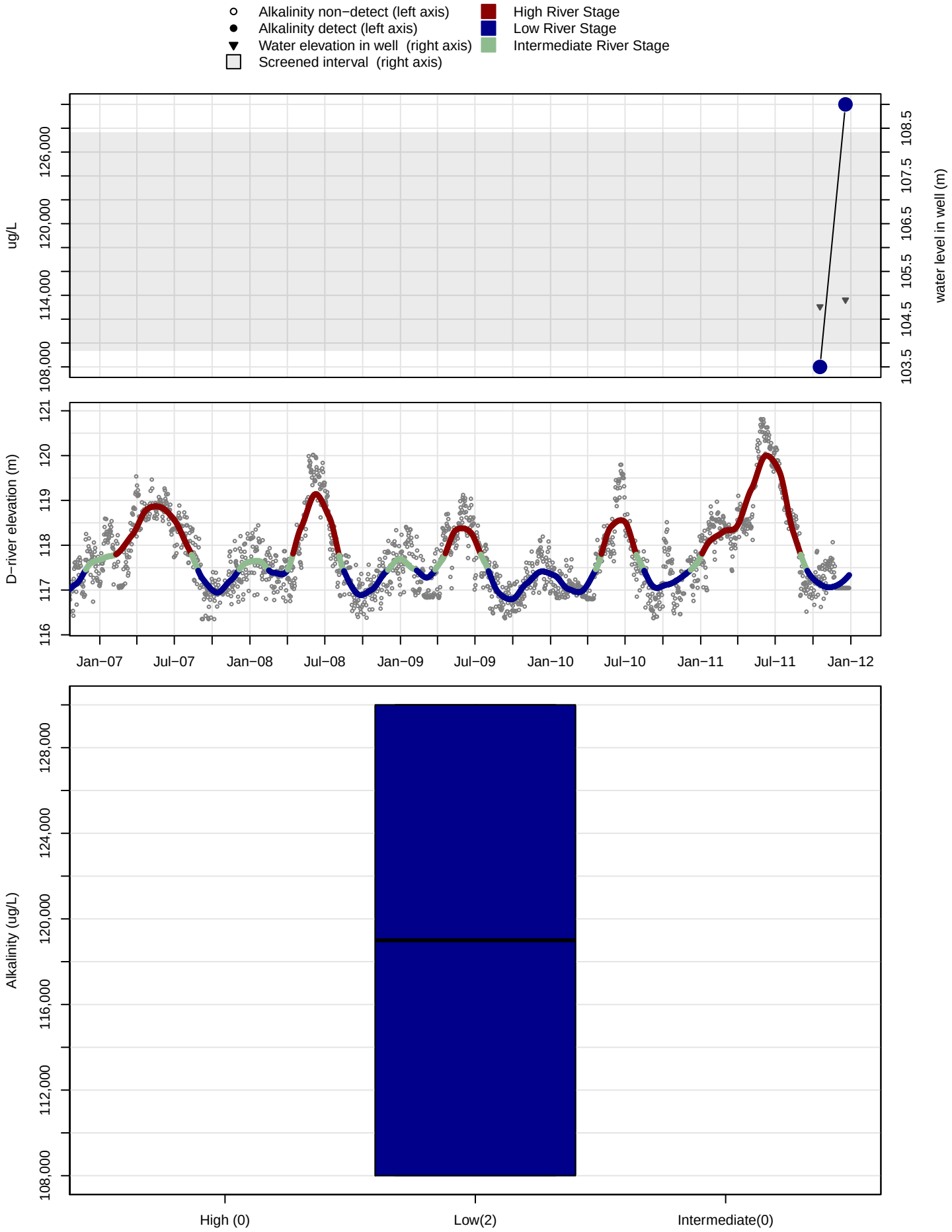
Mann Whitney p = 6.48e−02 t−test p = 6.49e−02

399−3−22 (322m) Lag (0 Days)



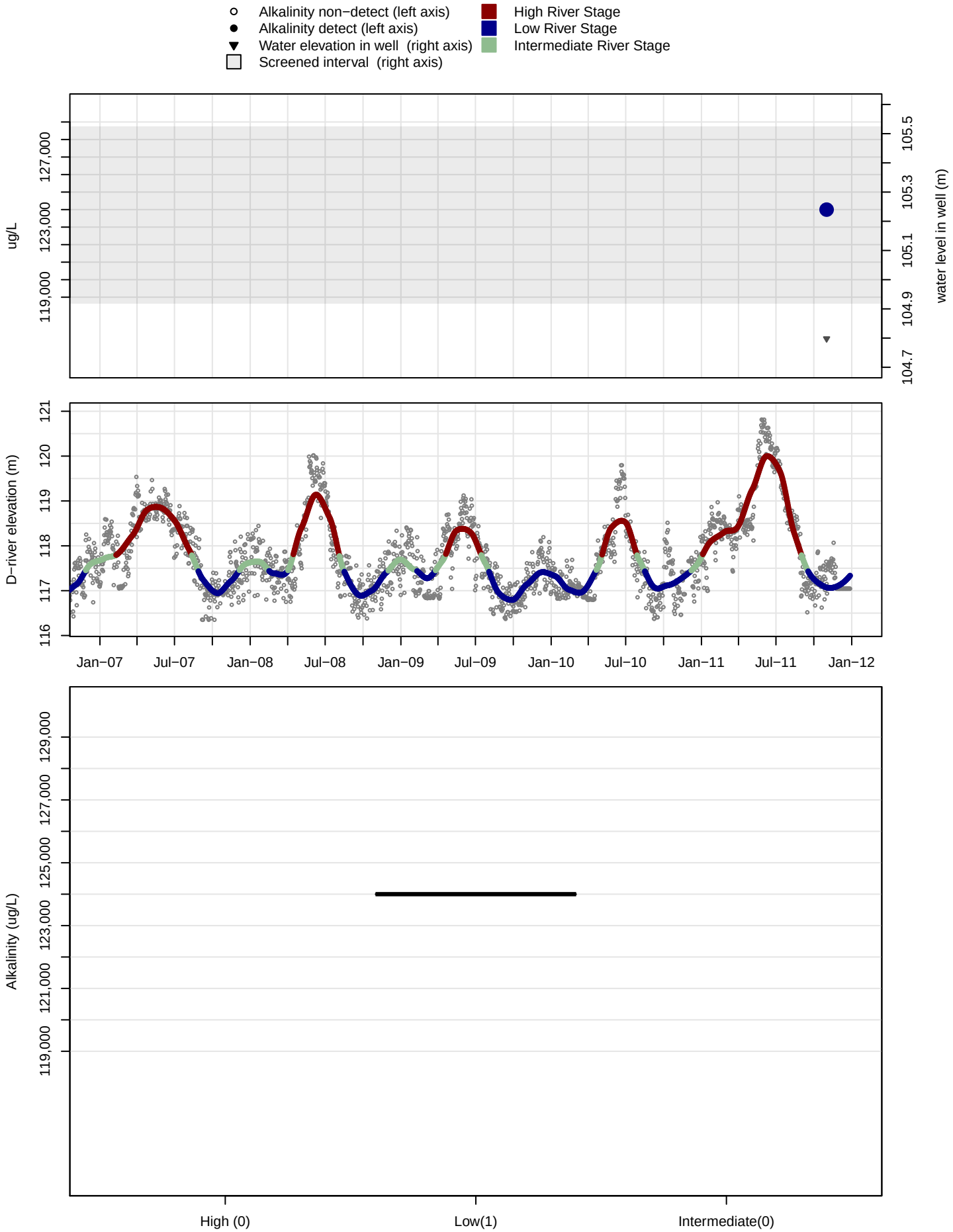
Mann Whitney p = 1.3e−02 t−test p = 4.66e−03

399−3−33 (45m) Lag (Indeterminate)



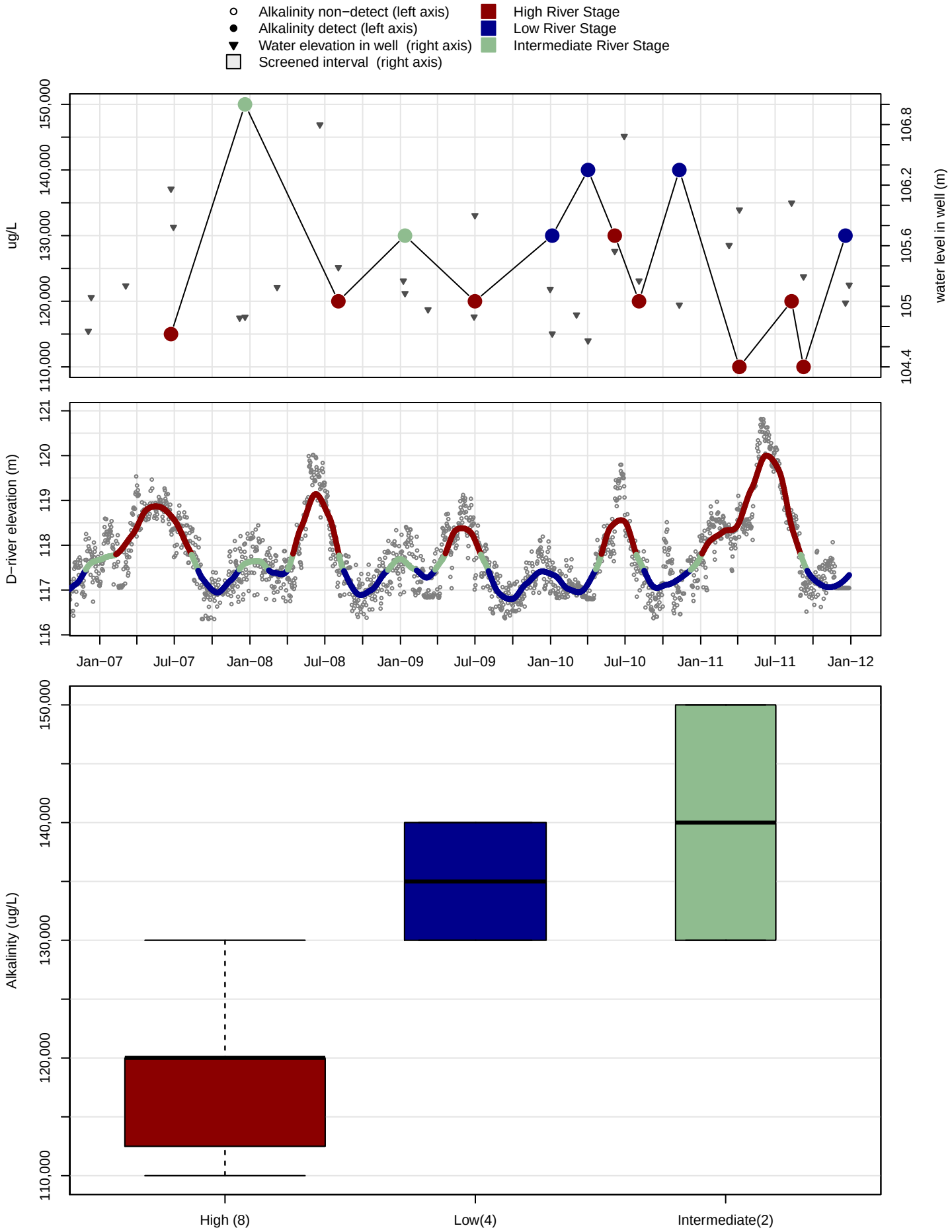
Mann Whitney p = NA t−test p = NA

399−3−38 (205m) Lag (Indeterminate)



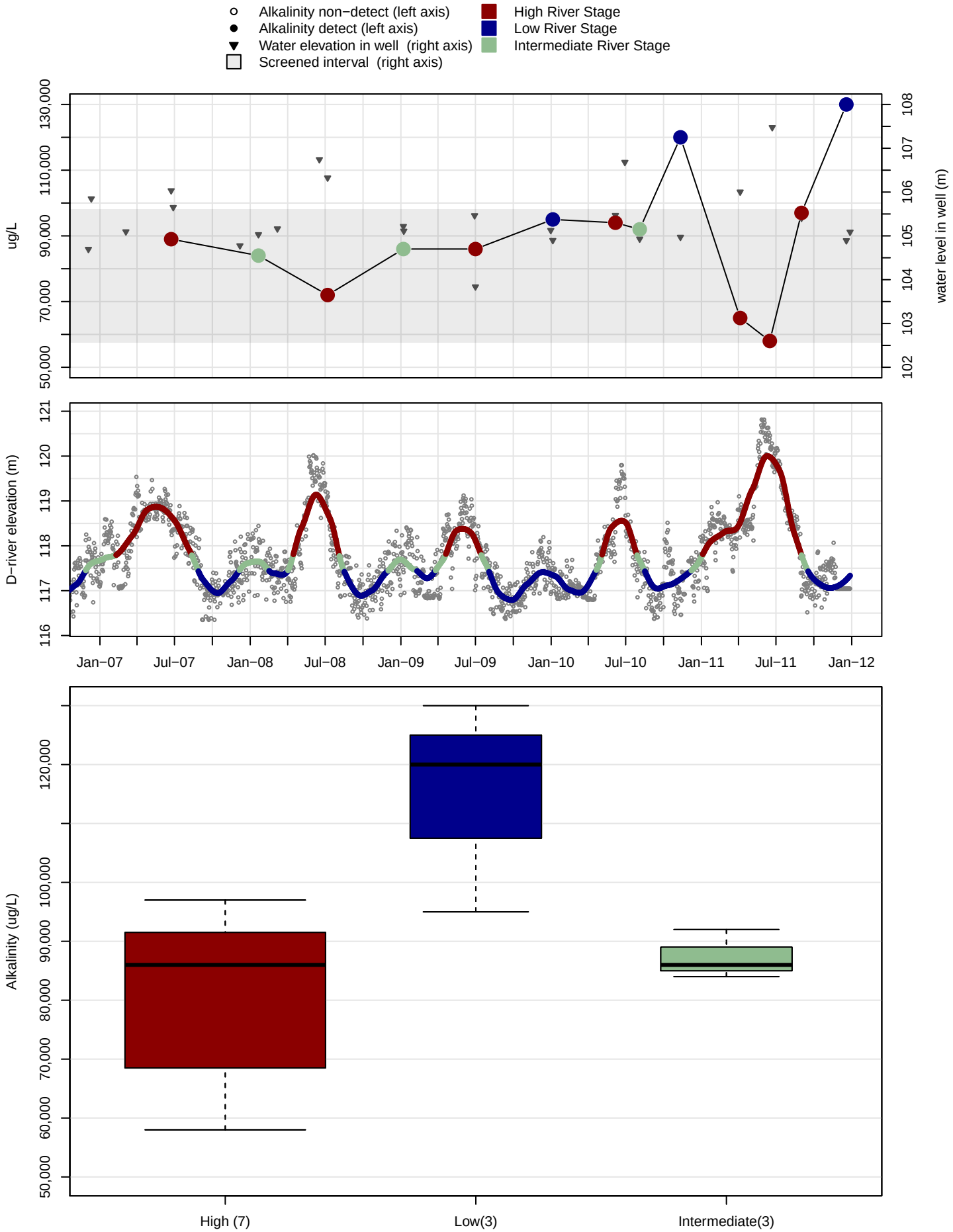
Mann Whitney p = NA t−test p = NA

399−3−6 (608m) Lag (6 Days)



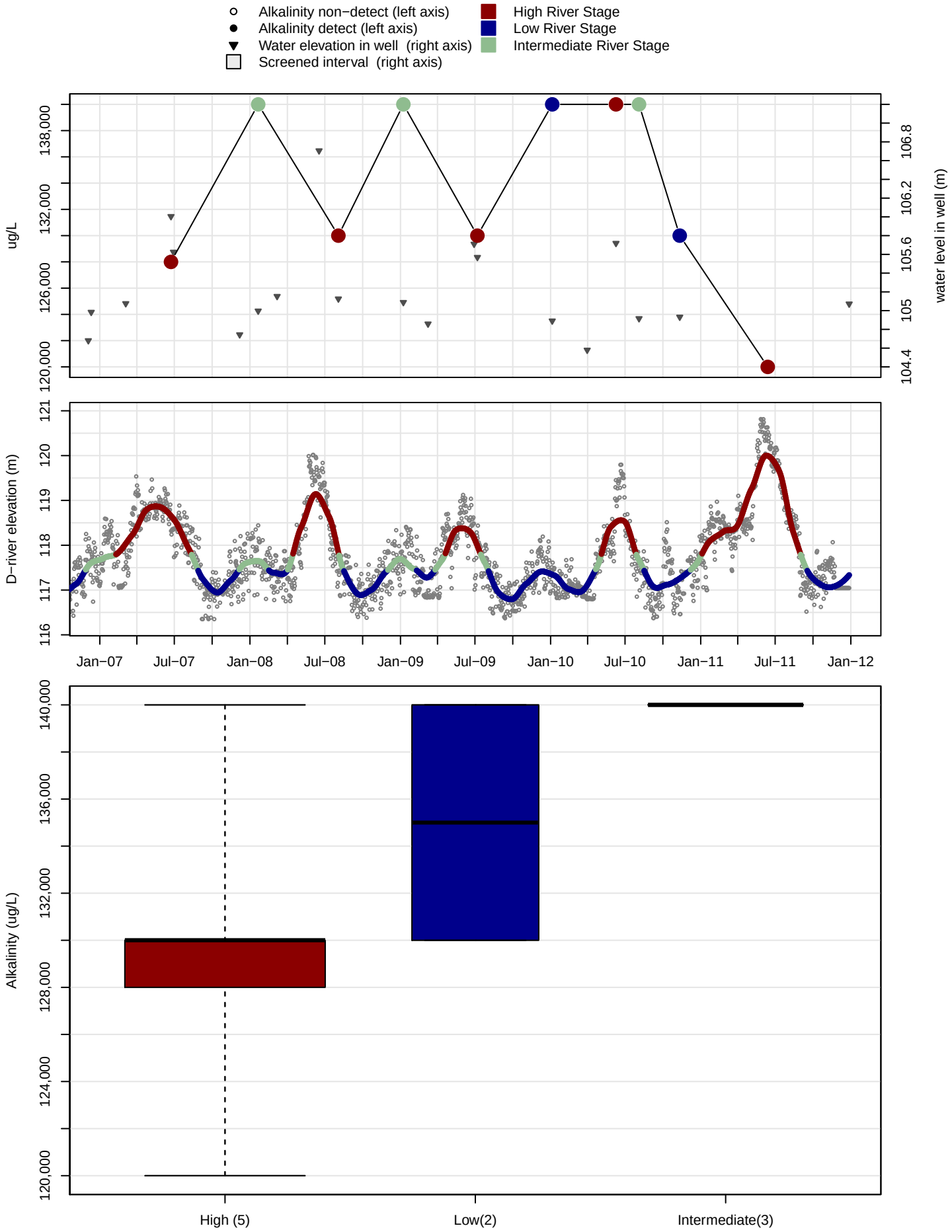
Mann Whitney p = 6.06e−03 t−test p = 2.73e−03

399−3−9 (57m) Lag (0 Days)



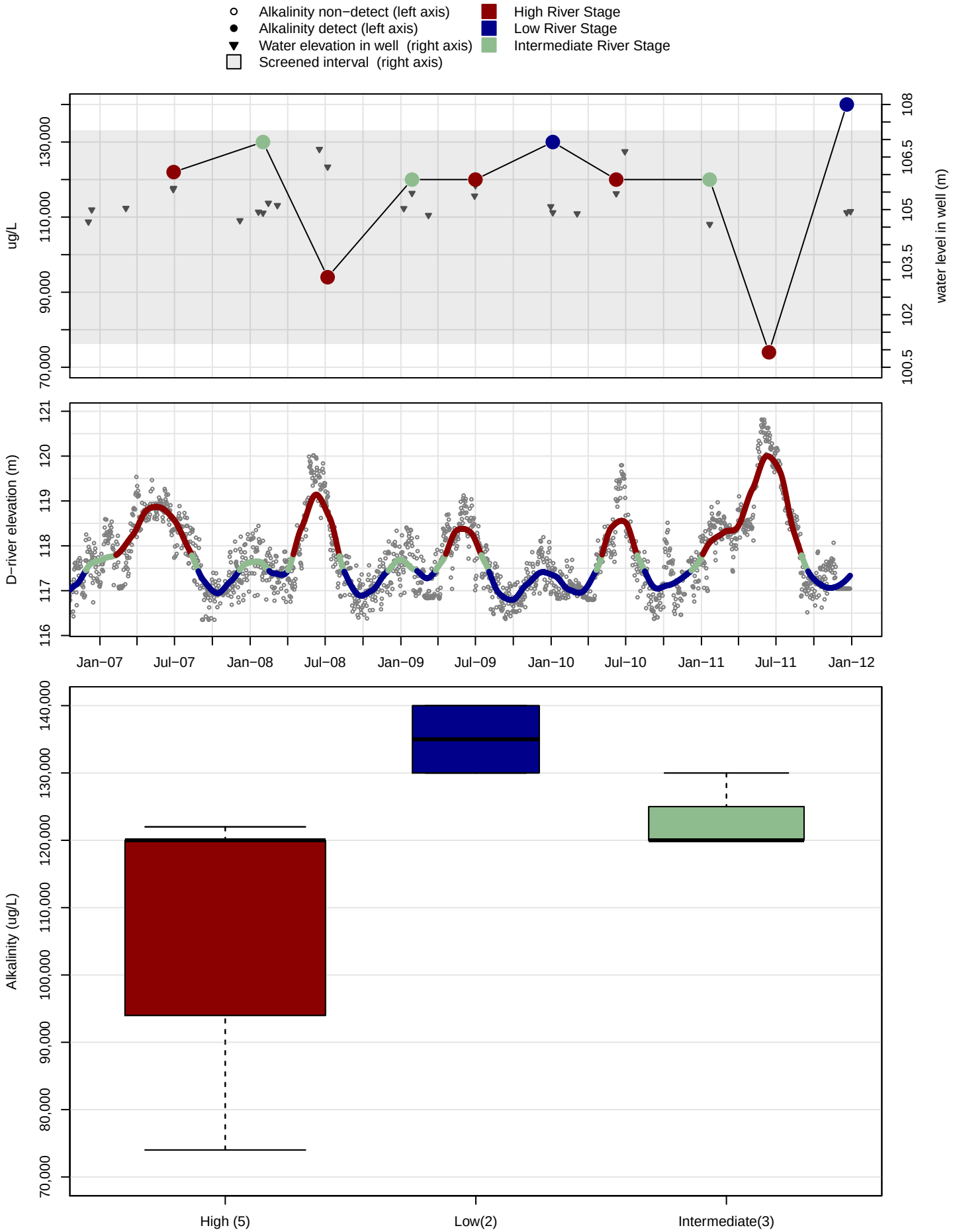
Mann Whitney p = 3.33e−02 t−test p = 5.42e−02

399−4−1 (372m) Lag (3 Days)



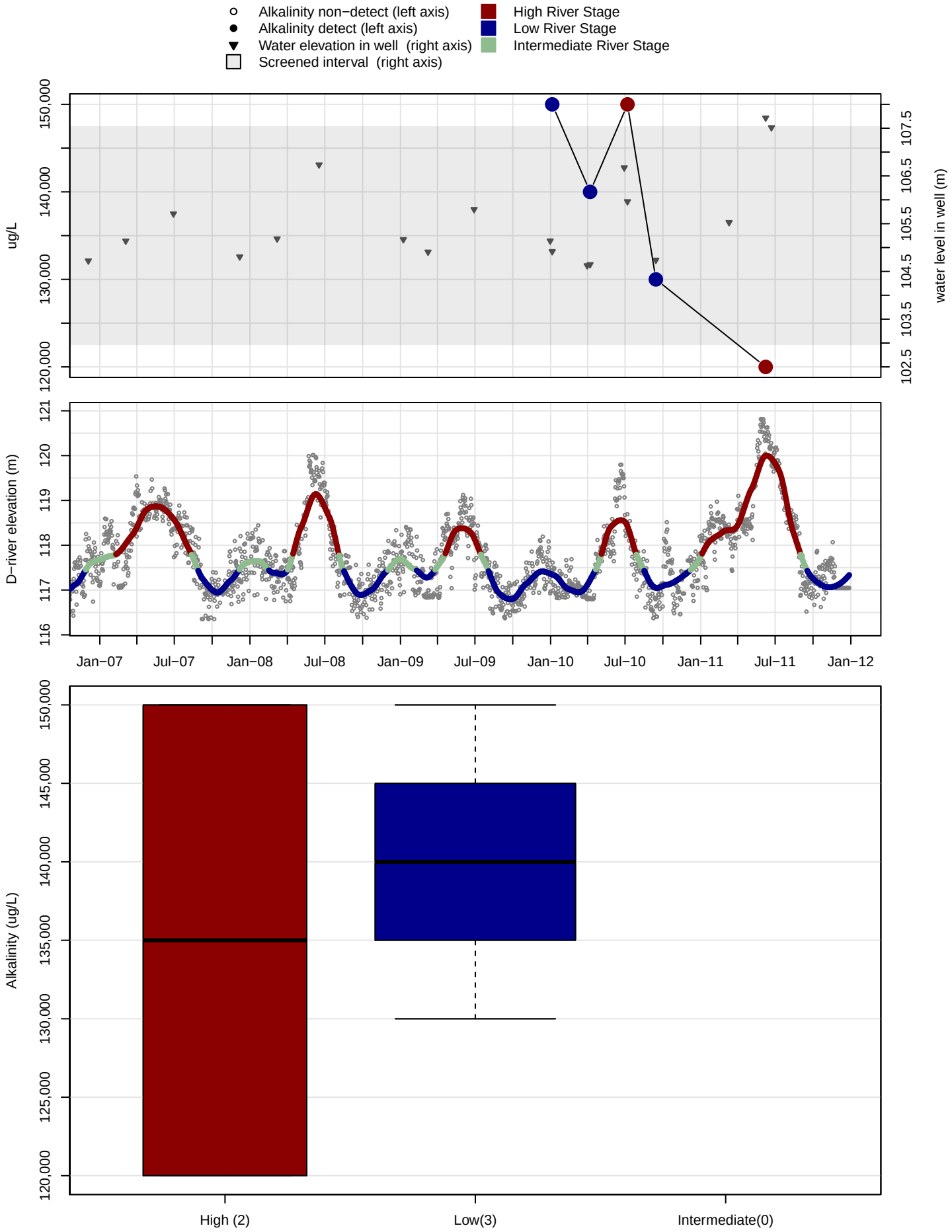
Mann Whitney p = NA t−test p = NA

399−4−10 (57m) Lag (21 Days)



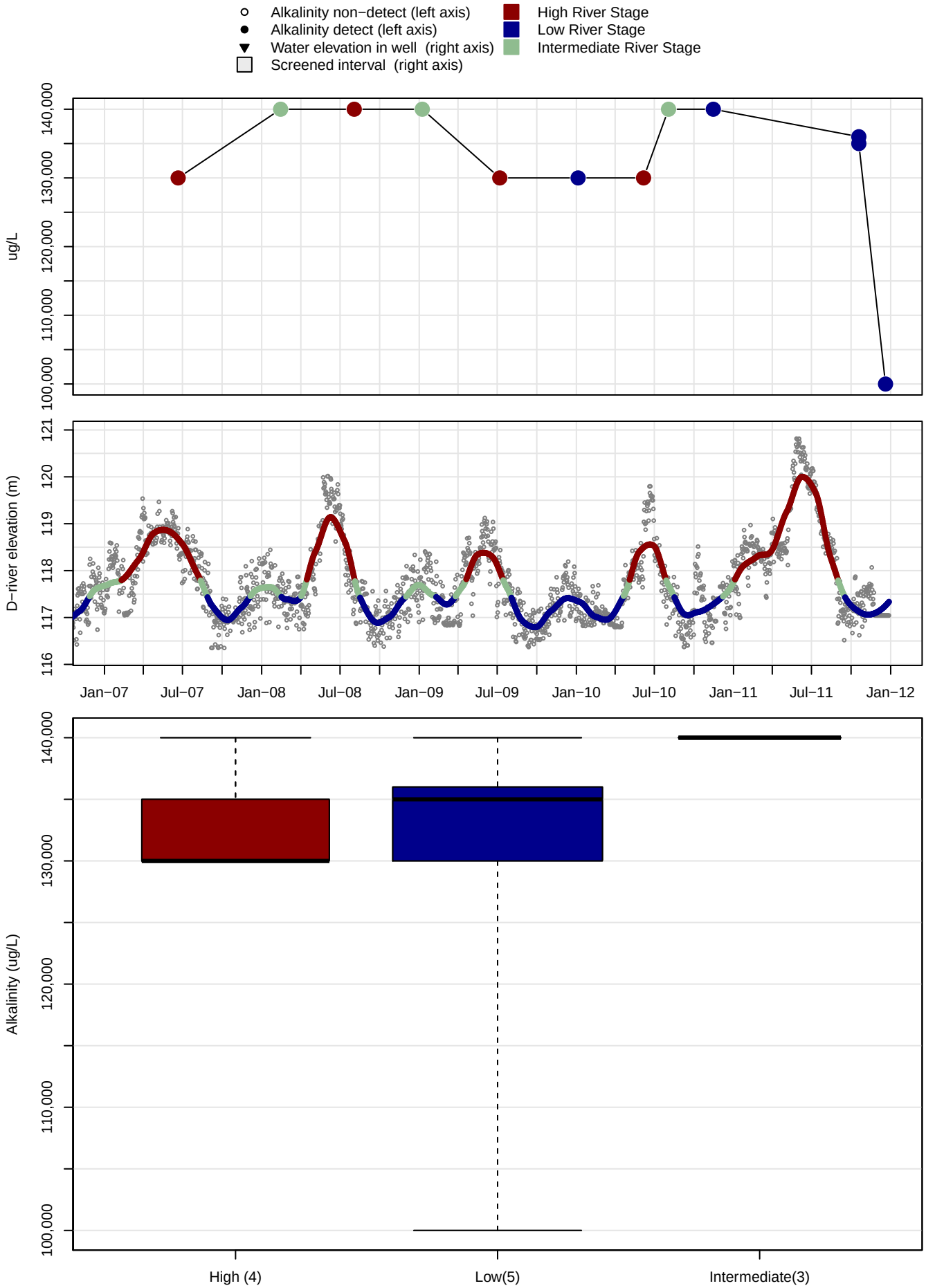
Mann Whitney p = NA t−test p = NA

399−4−11 (499m) Lag (12 Days)



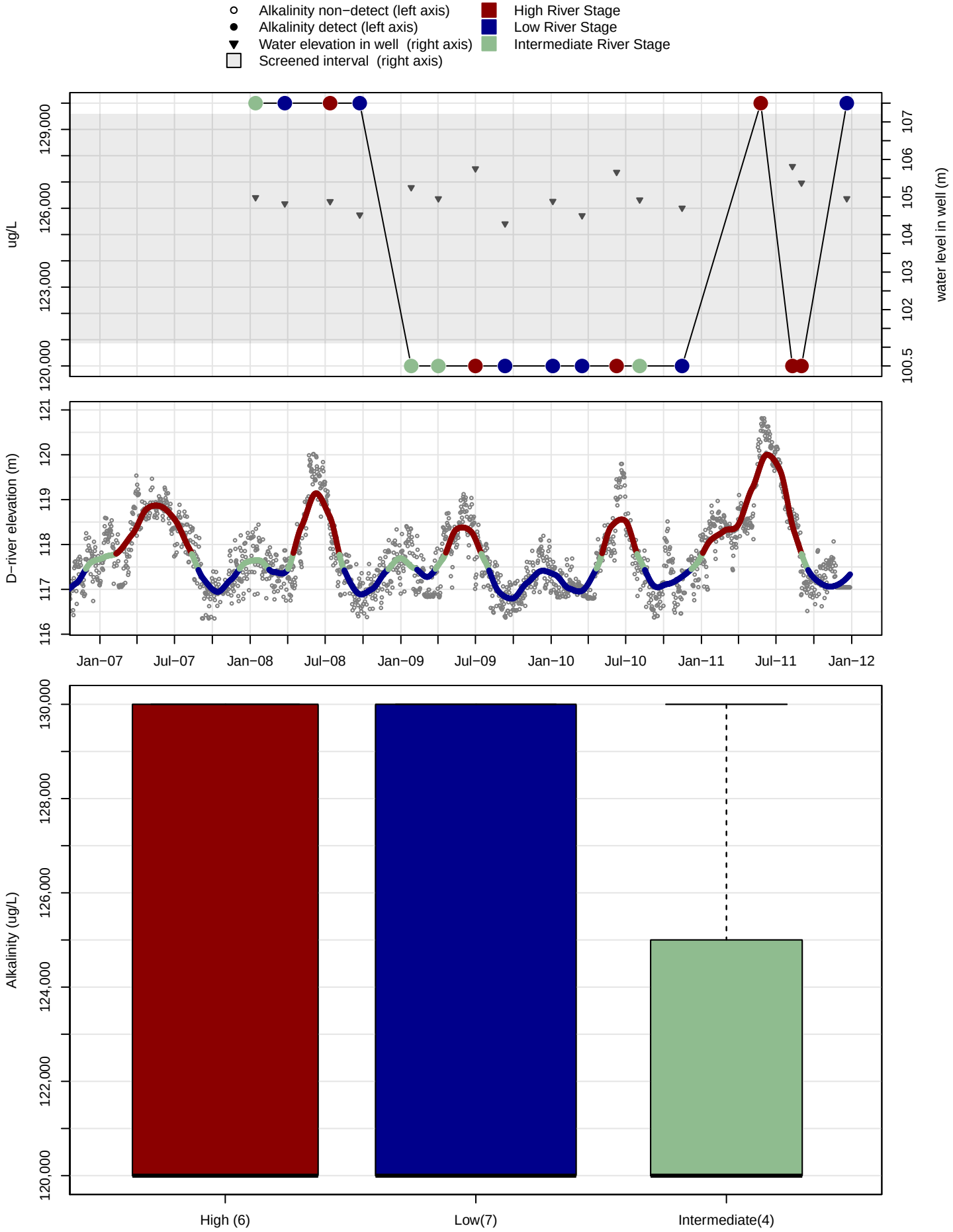
Mann Whitney p = NA t−test p = NA

399−4−12 (151m) Lag (Indeterminate)



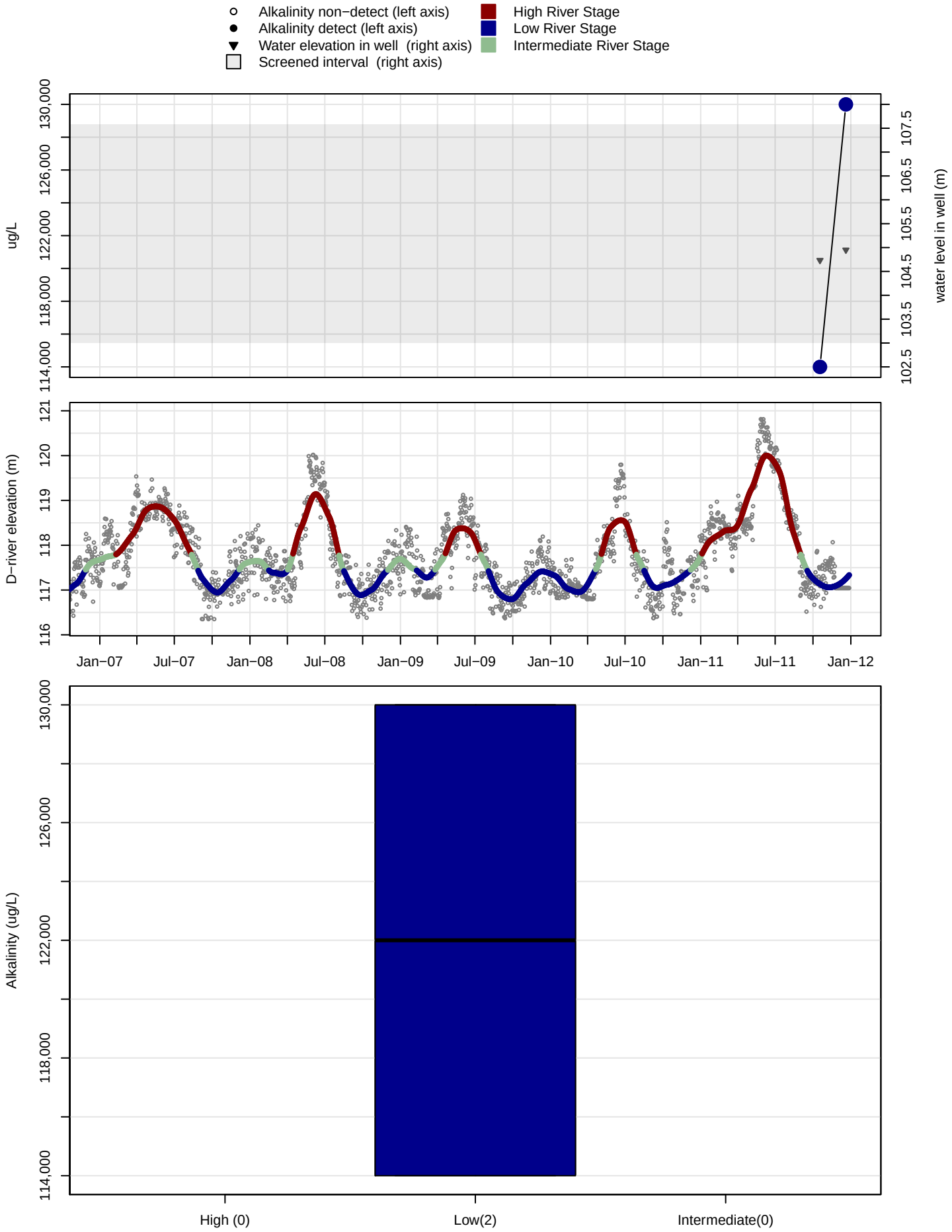
Mann Whitney p = 8.89e−01 t−test p = 5.99e−01

399−4−14 (235m) Lag (3 Days)



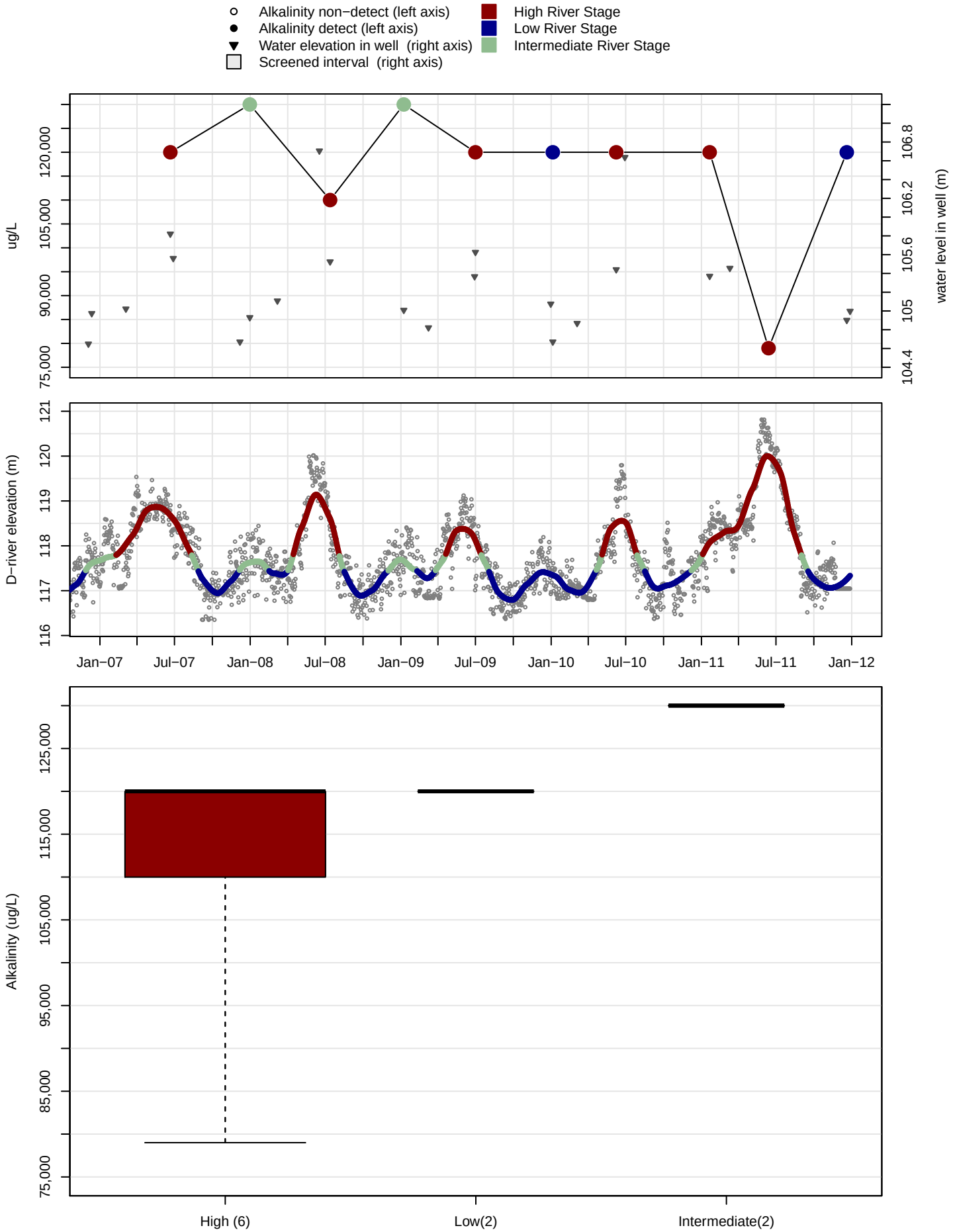
Mann Whitney p = 1e+00 t−test p = 7.51e−01

399−4−15 (254m) Lag (Indeterminate)



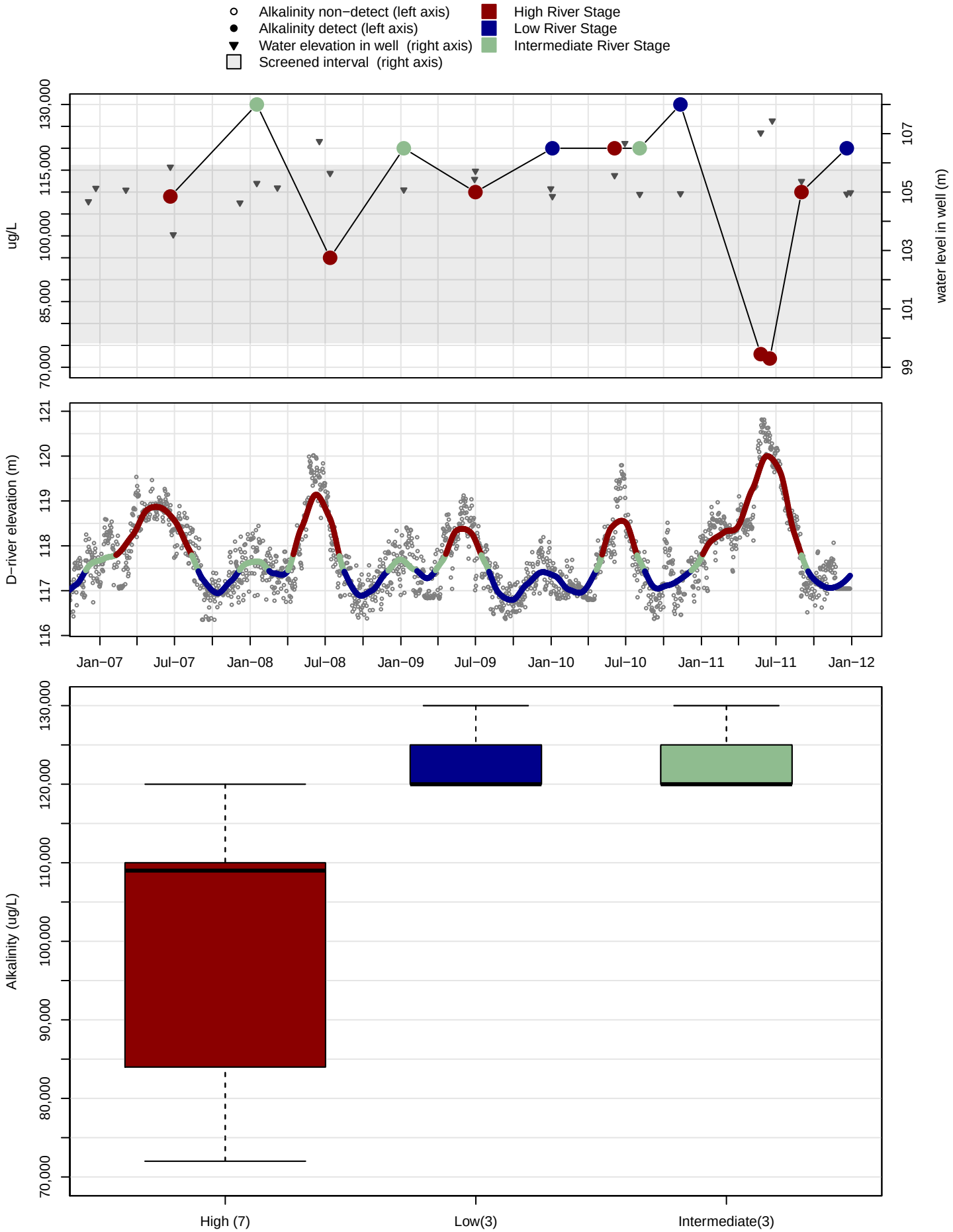
Mann Whitney p = NA t−test p = NA

399−4−7 (74m) Lag (8 Days)



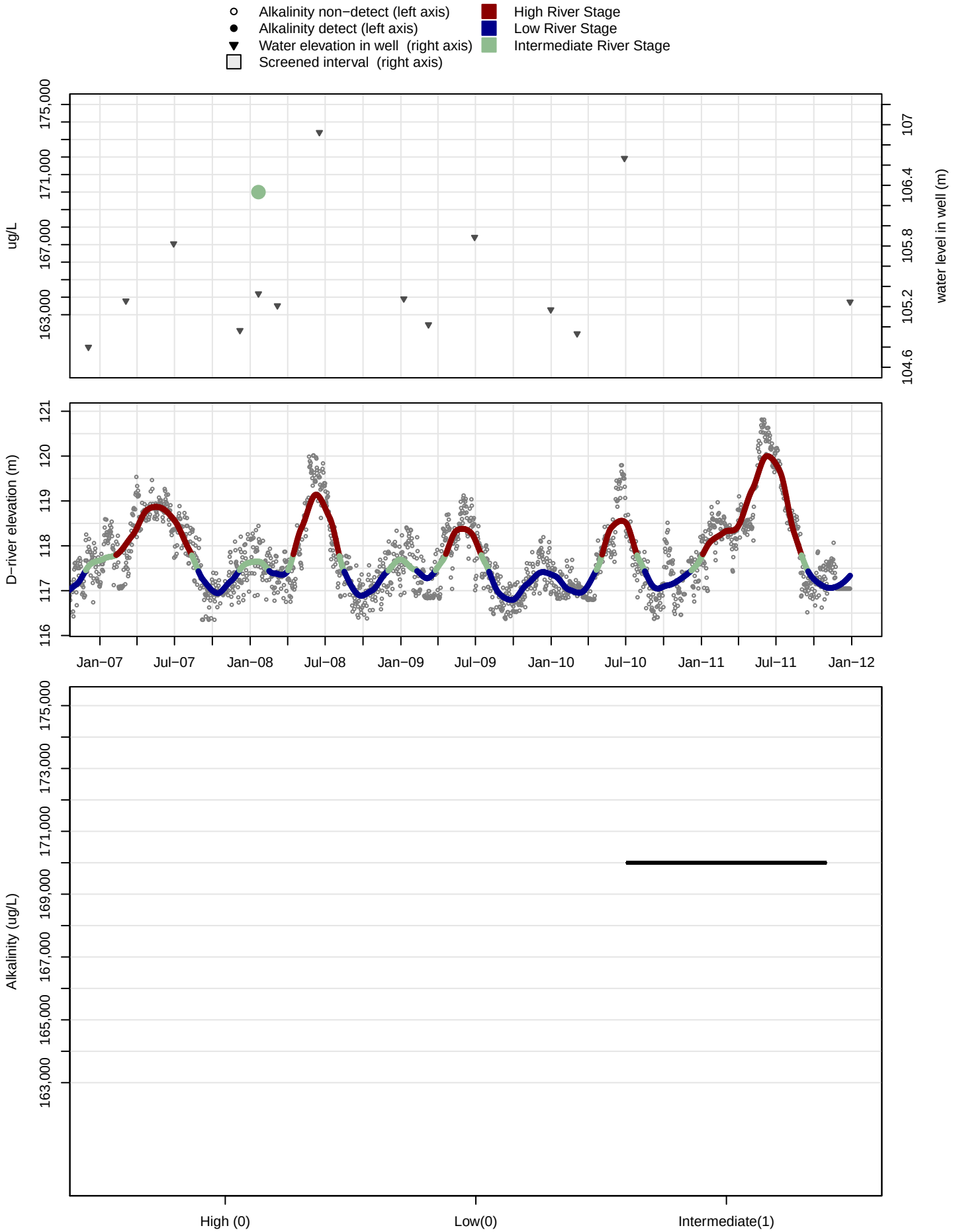
Mann Whitney p = NA t−test p = NA

399−4−9 (58m) Lag (0 Days)



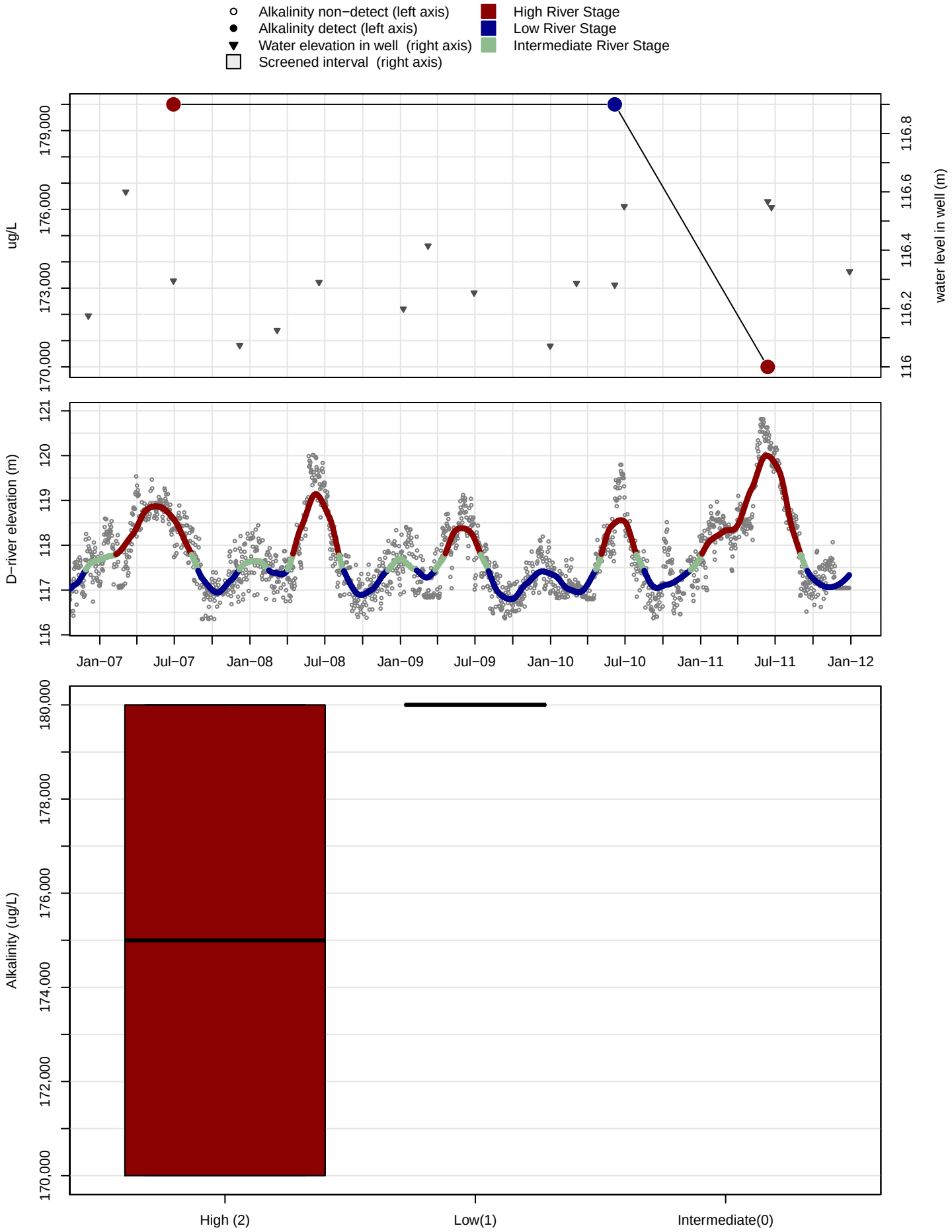
Mann Whitney p = 4.17e−02 t−test p = 1.47e−02

399−5−1 (869m) Lag (15 Days)



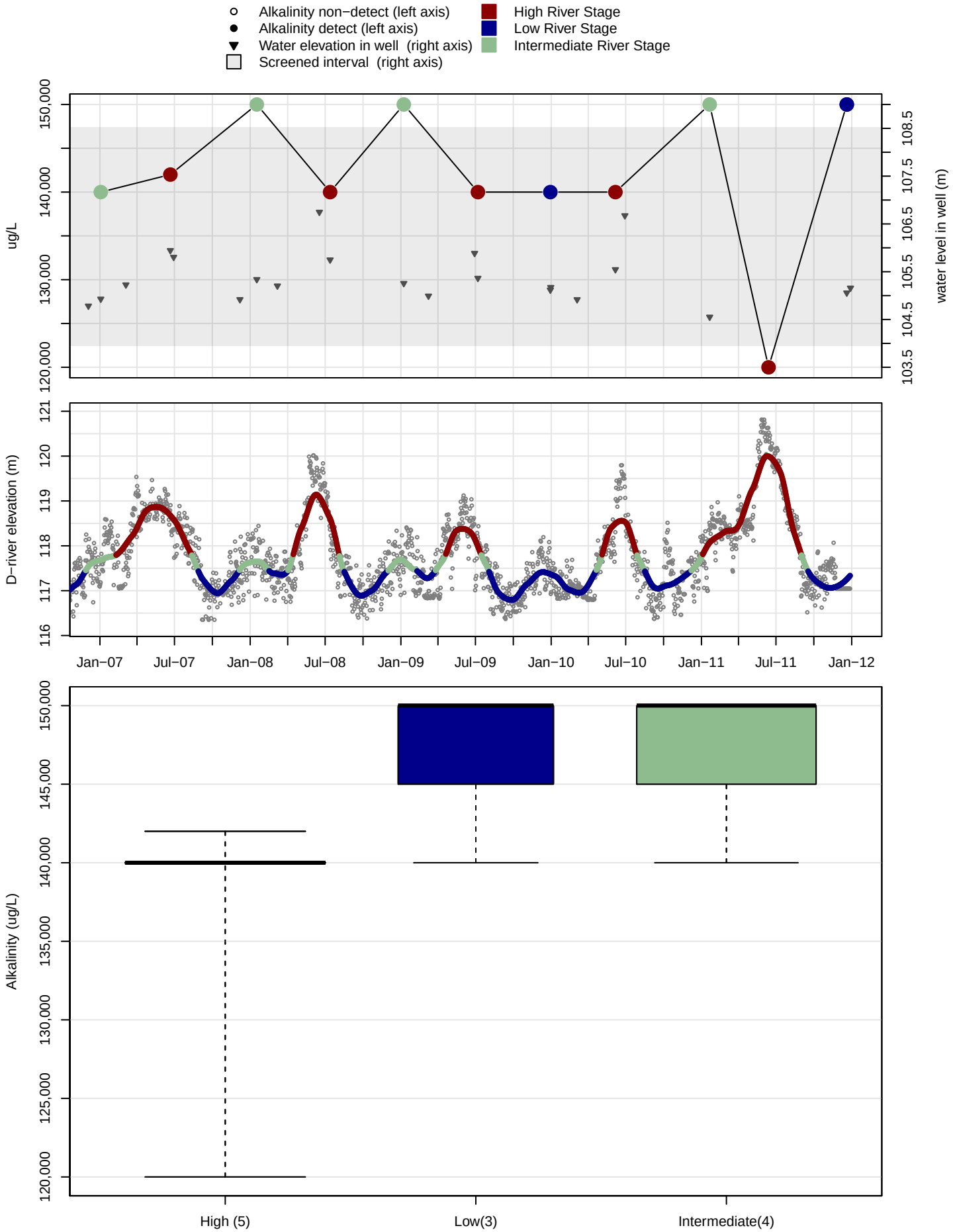
Mann Whitney p = NA t−test p = NA

399−5−2 (1797m) Lag (86 Days)



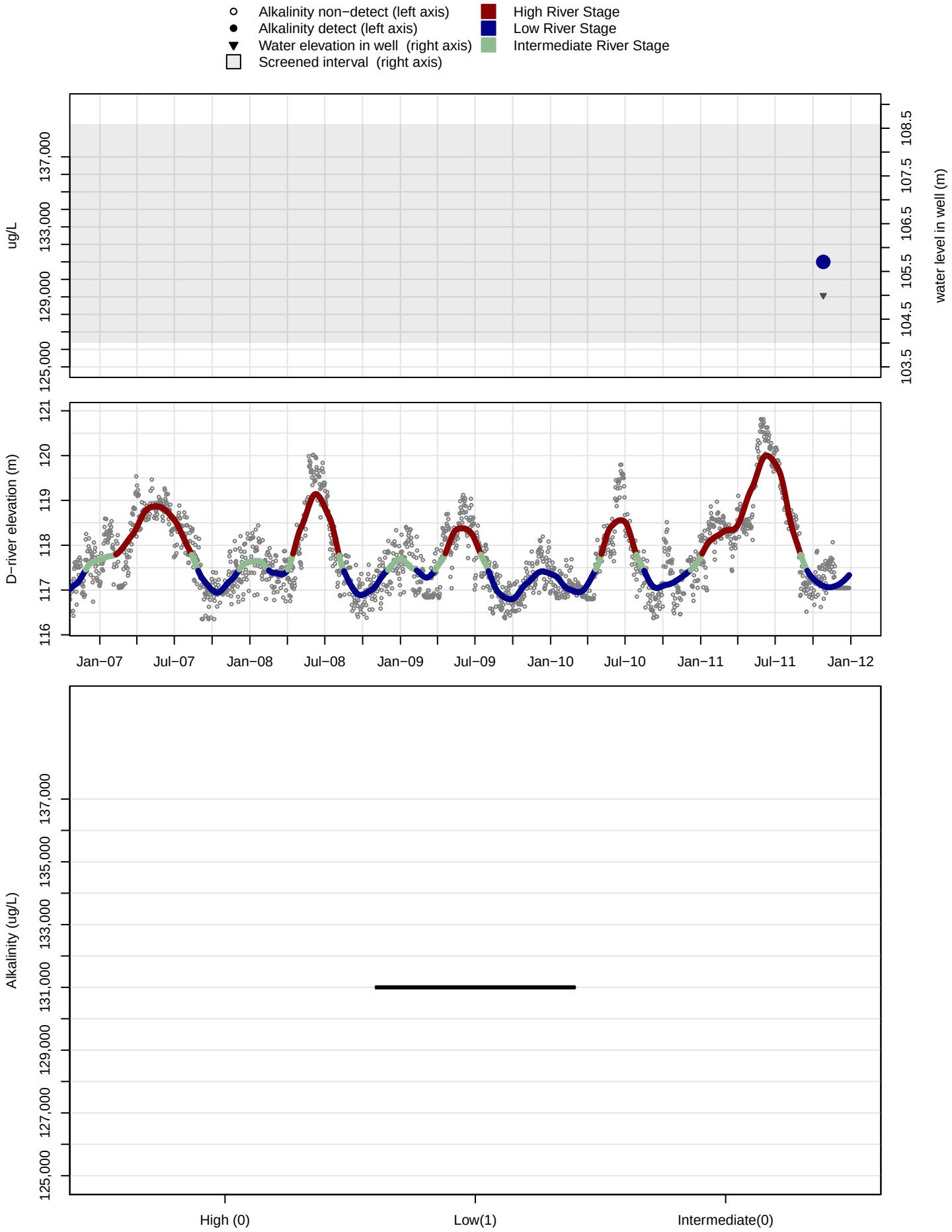
Mann Whitney p = NA t−test p = NA

399−5−4B (845m) Lag (15 Days)



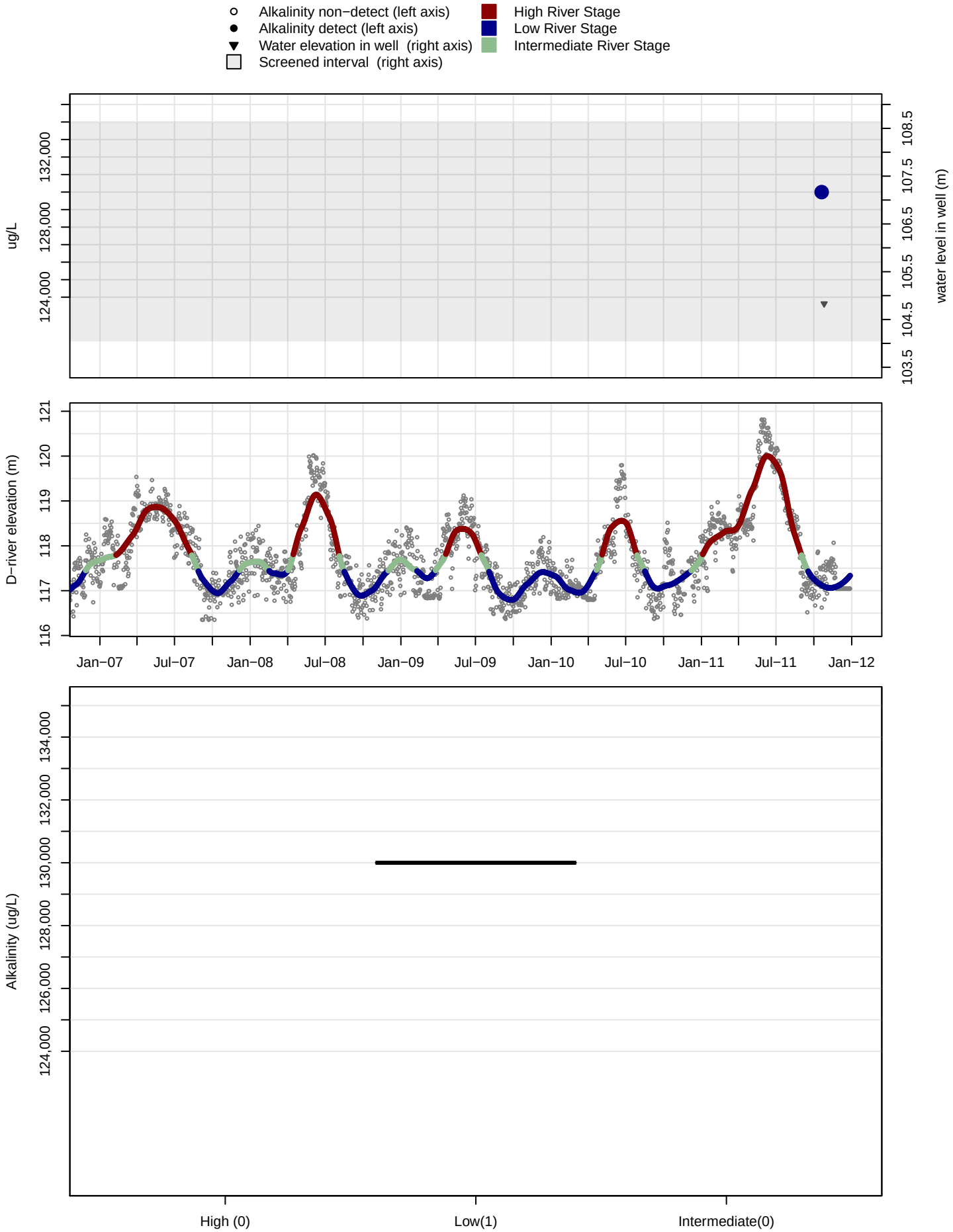
Mann Whitney p = 1.96e−01 t−test p = 1.02e−01

399−6−3 (801m) Lag (Indeterminate)



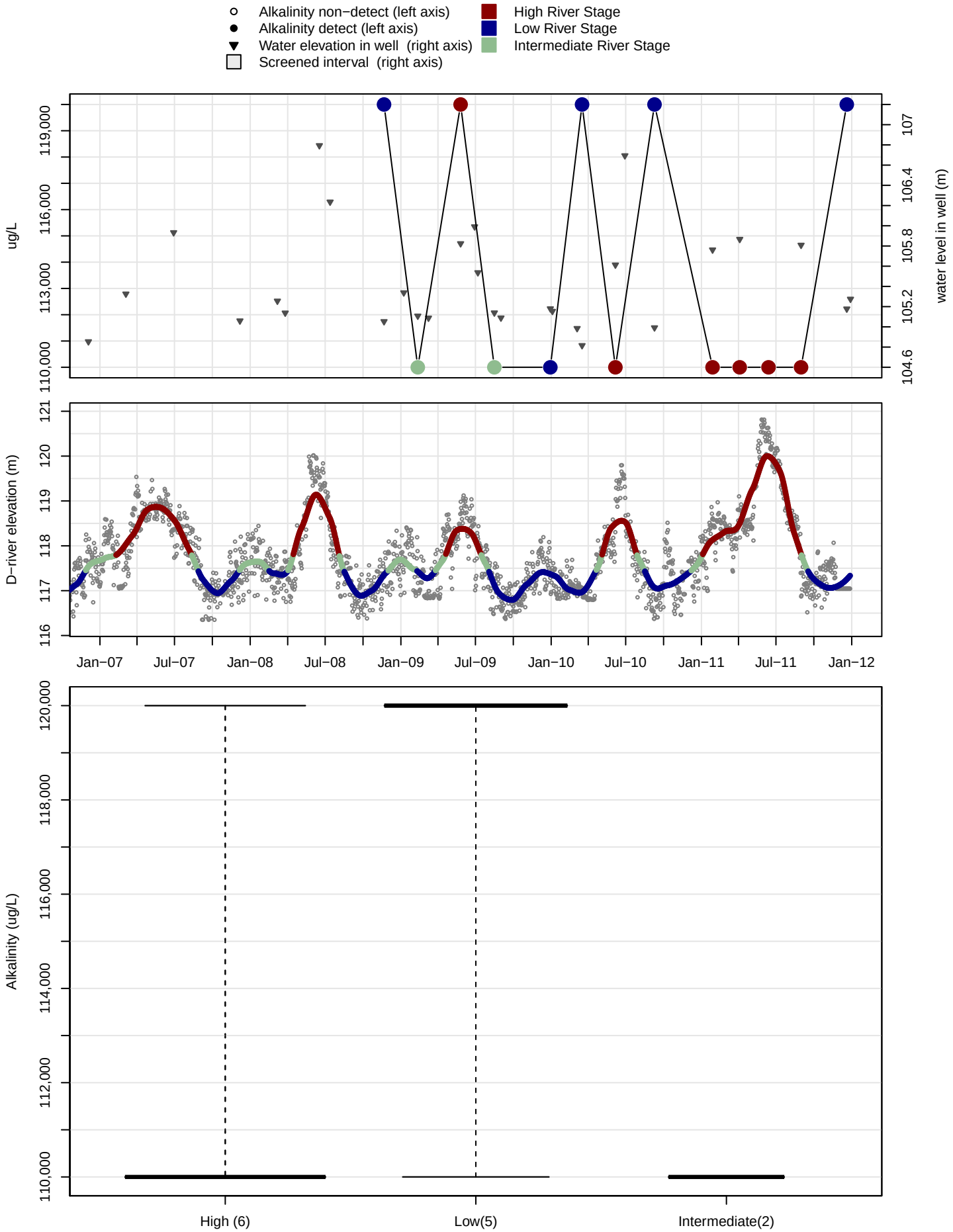
Mann Whitney p = NA t−test p = NA

399−6−5 (711m) Lag (Indeterminate)



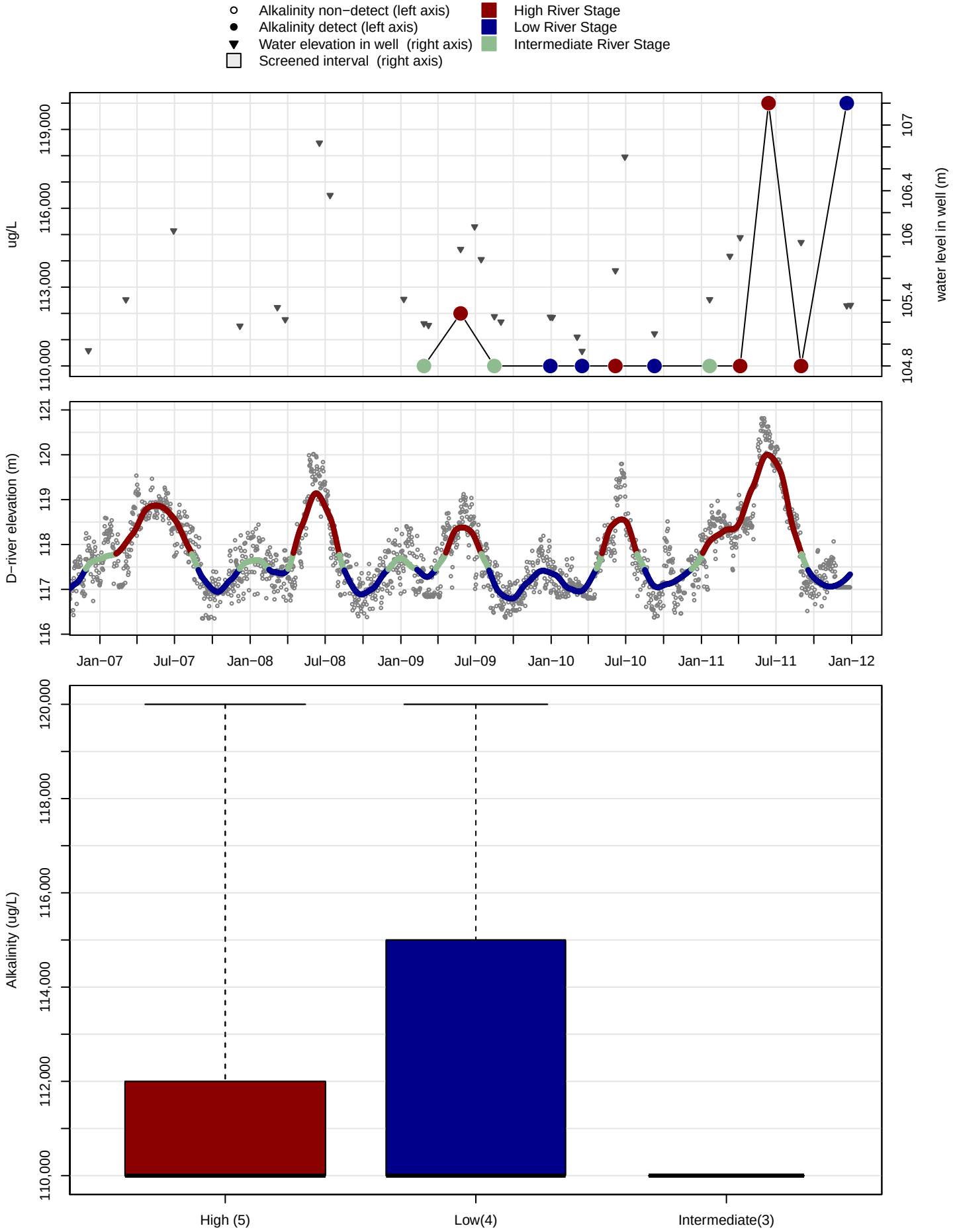
Mann Whitney p = NA t−test p = NA

399−8−1 (804m) Lag (13 Days)



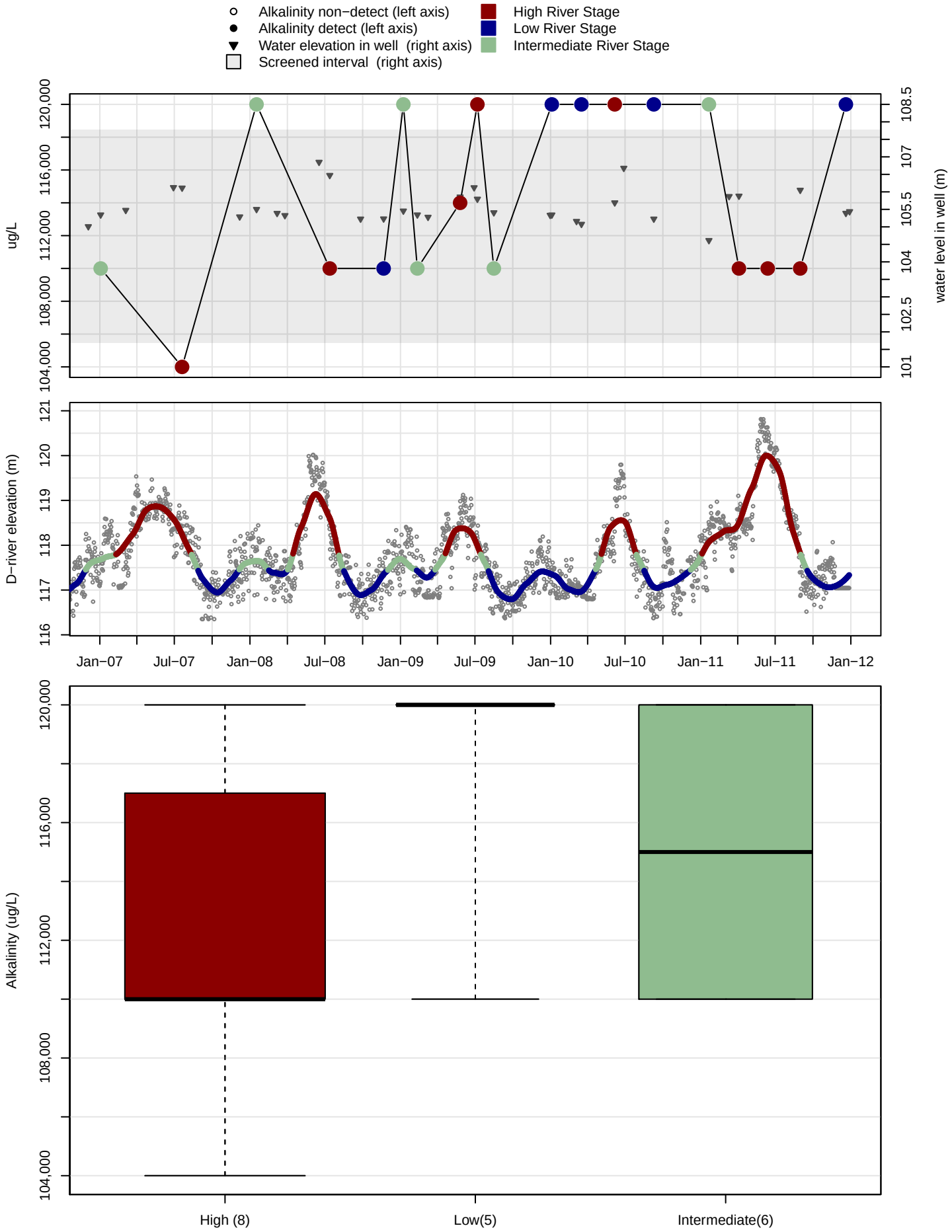
Mann Whitney p = 8.01e−02 t−test p = 4e−02

399−8−3 (757m) Lag (17 Days)



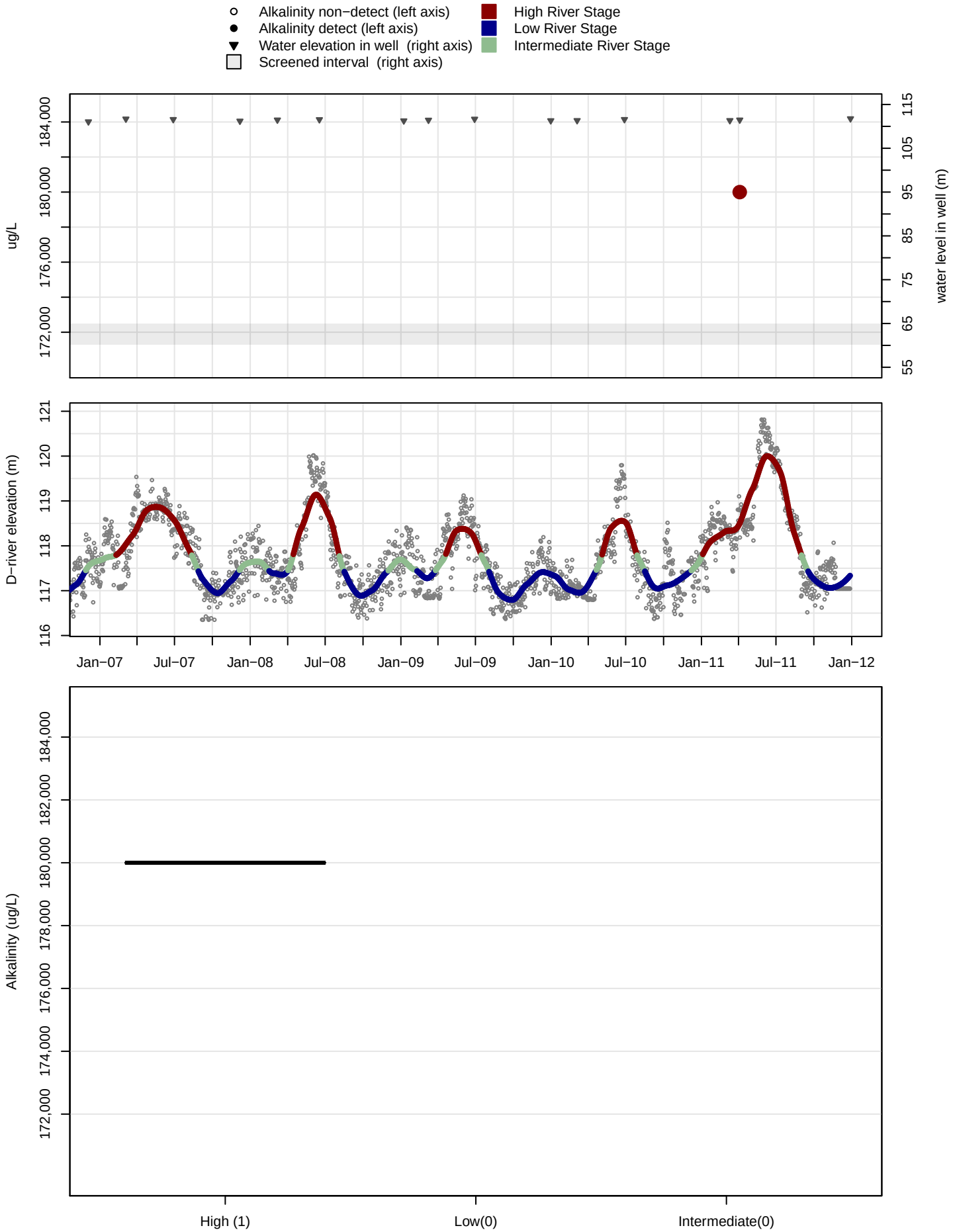
Mann Whitney p = 1e+00 t−test p = 9.76e−01

399−8−5A (1009m) Lag (21 Days)



Mann Whitney p = 1.38e−01 t−test p = 6.61e−02

399−8−5C (1007m) Lag (41 Days)



Mann Whitney p = NA t−test p = NA

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B.3 Trend Analysis Plots

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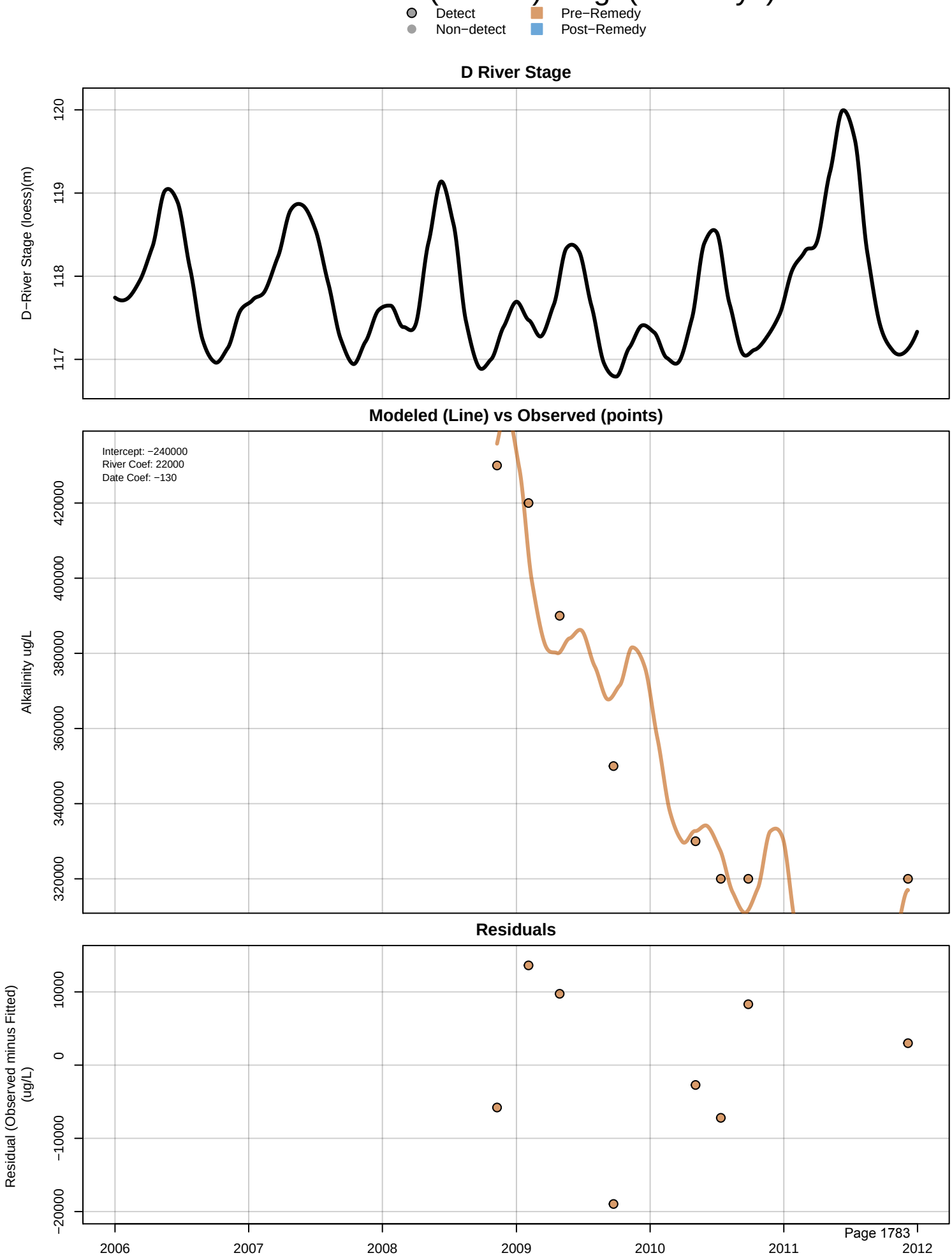
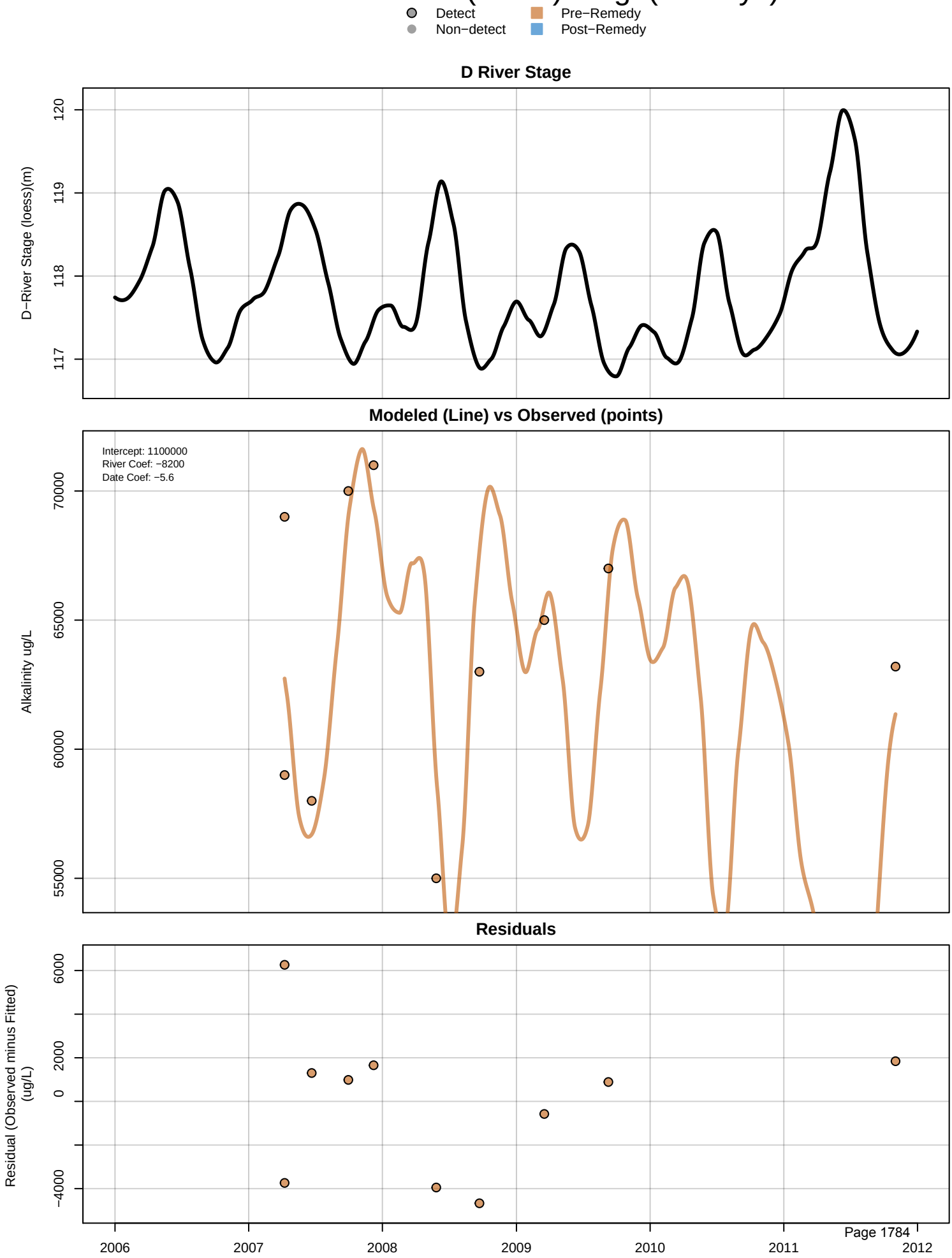
199−F8−7 (1258m) Lag (180 Days)

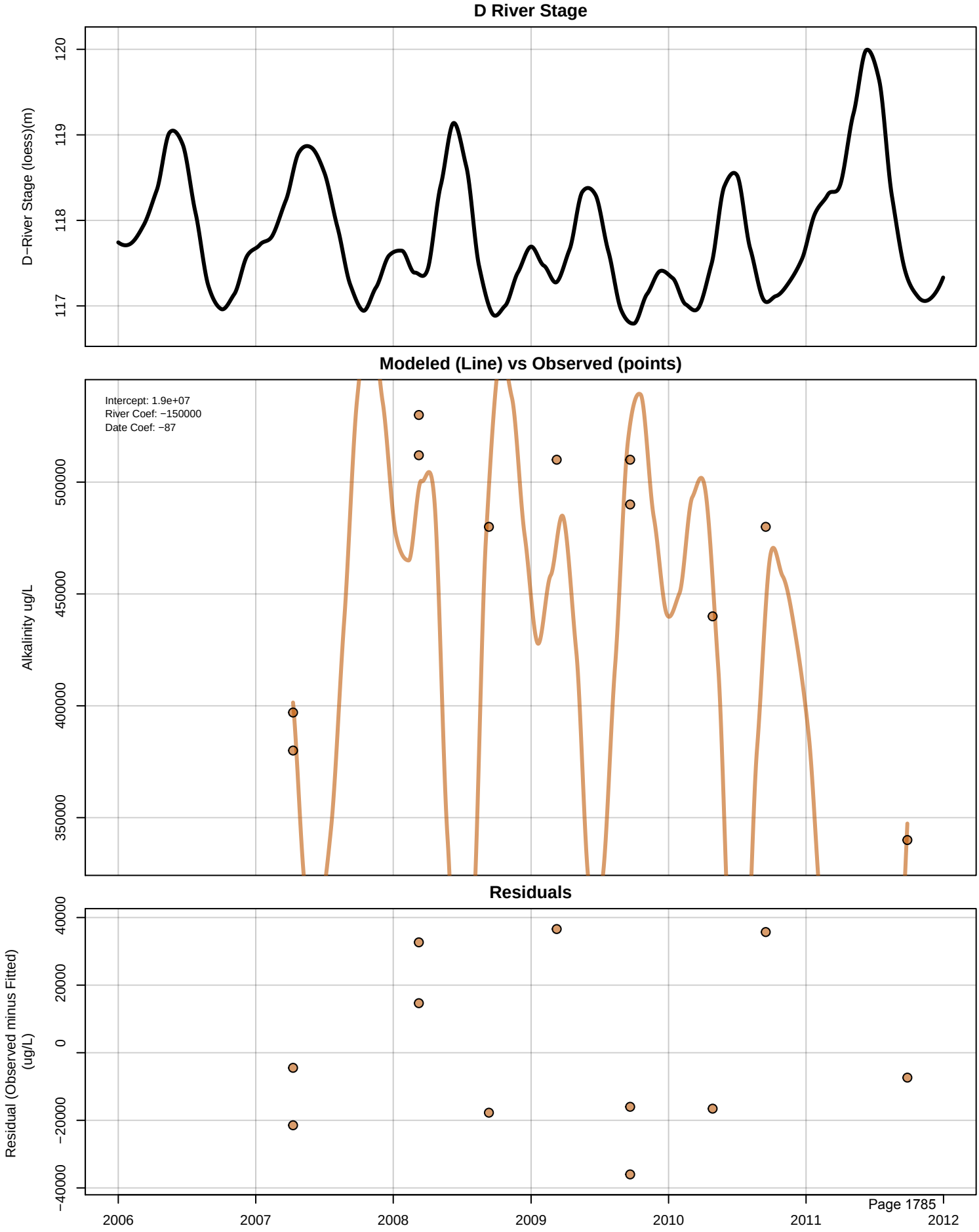


199−N−106A (205m) Lag (24 Days)



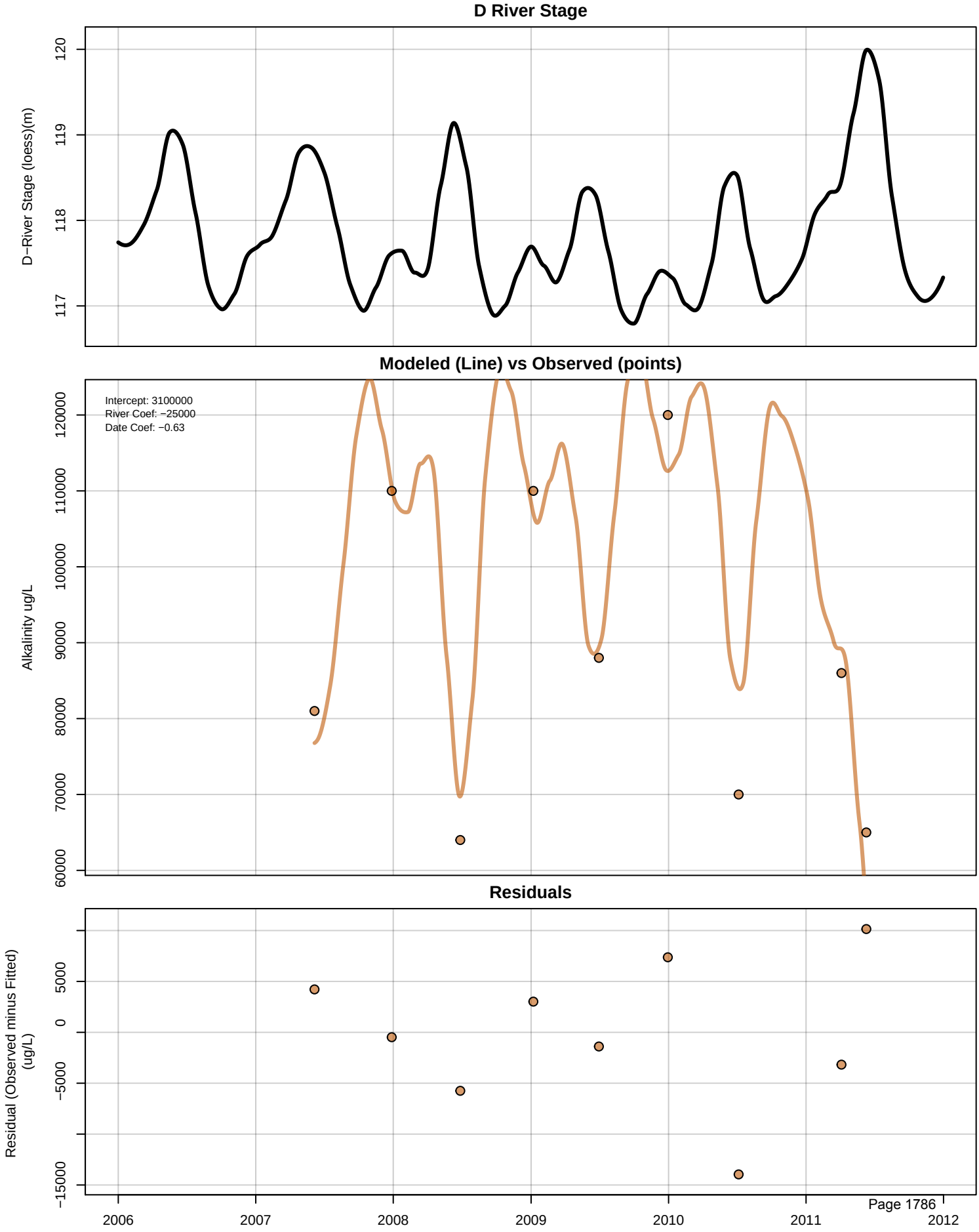
199−N−3 (96m) Lag (18 Days)

Detect
Non−detect
Pre−Remedy
Post−Remedy



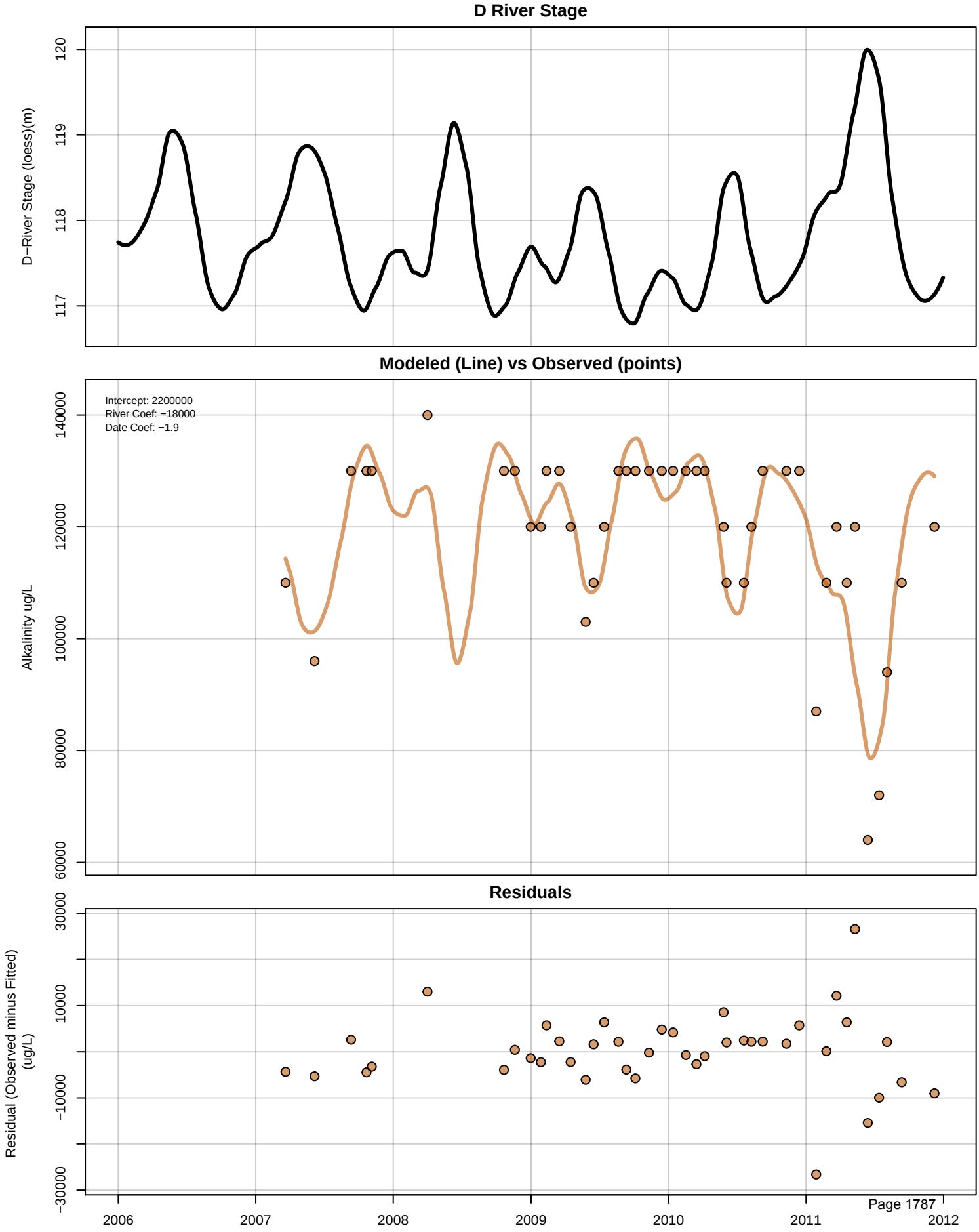
399−1−1 (50m) Lag (16 Days)

Detect
Non−detect
Pre−Remedy
Post−Remedy



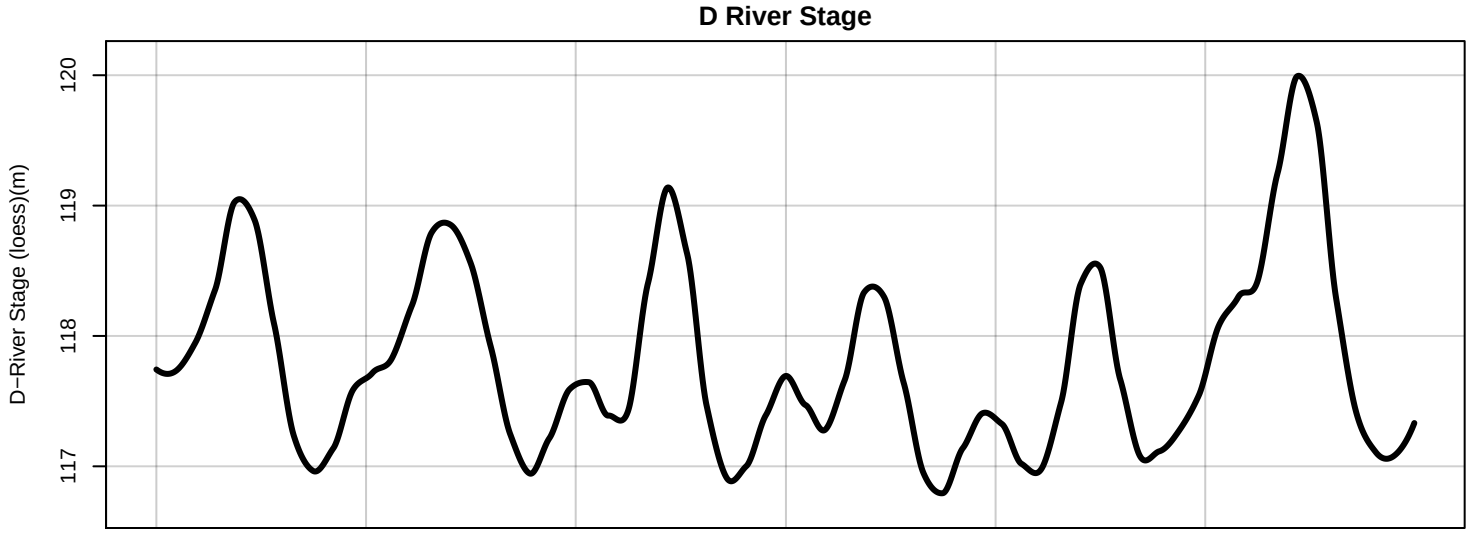
399−1−10A (35m) Lag (9 Days)

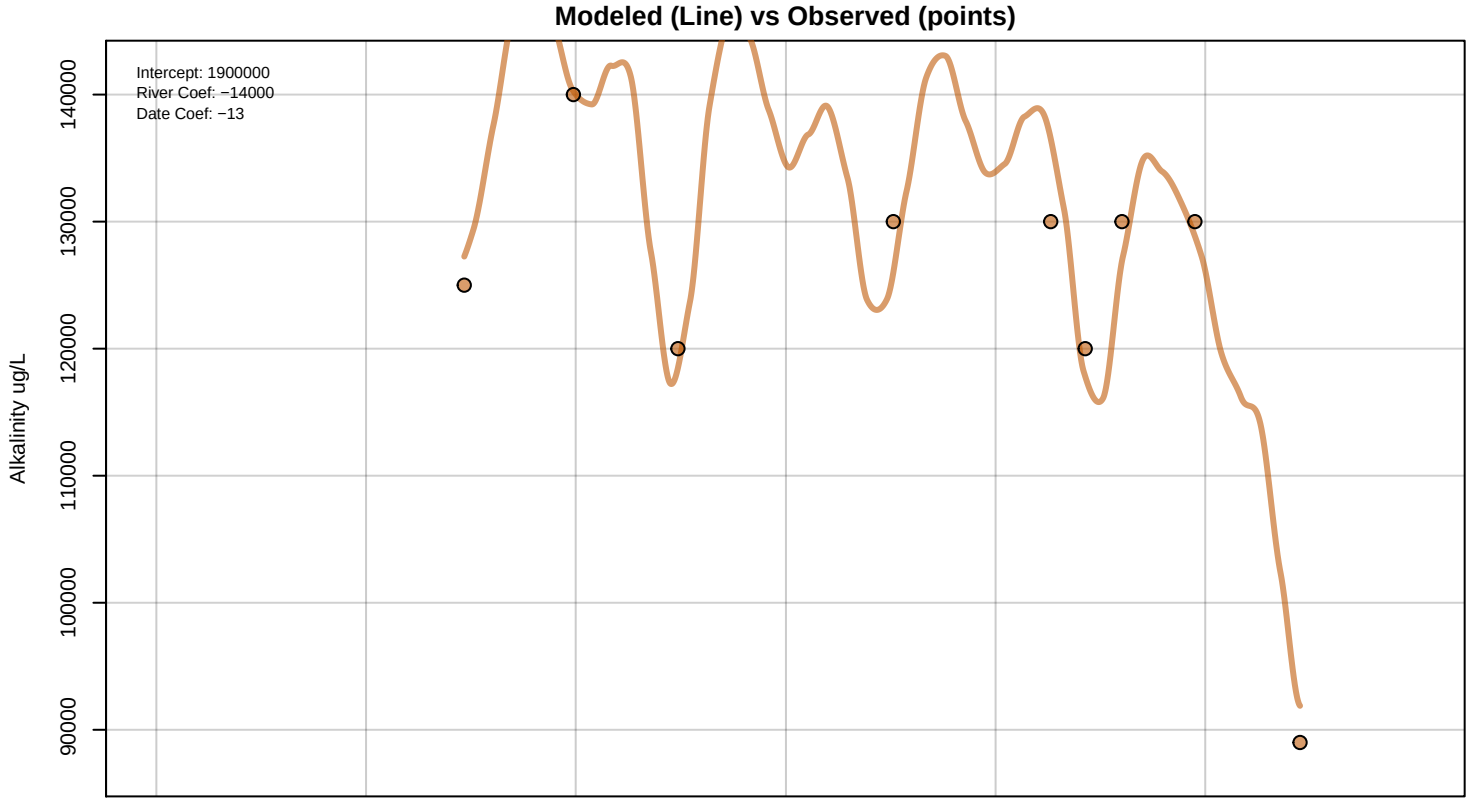
Detect
Non−detect
Pre−Remedy
Post−Remedy

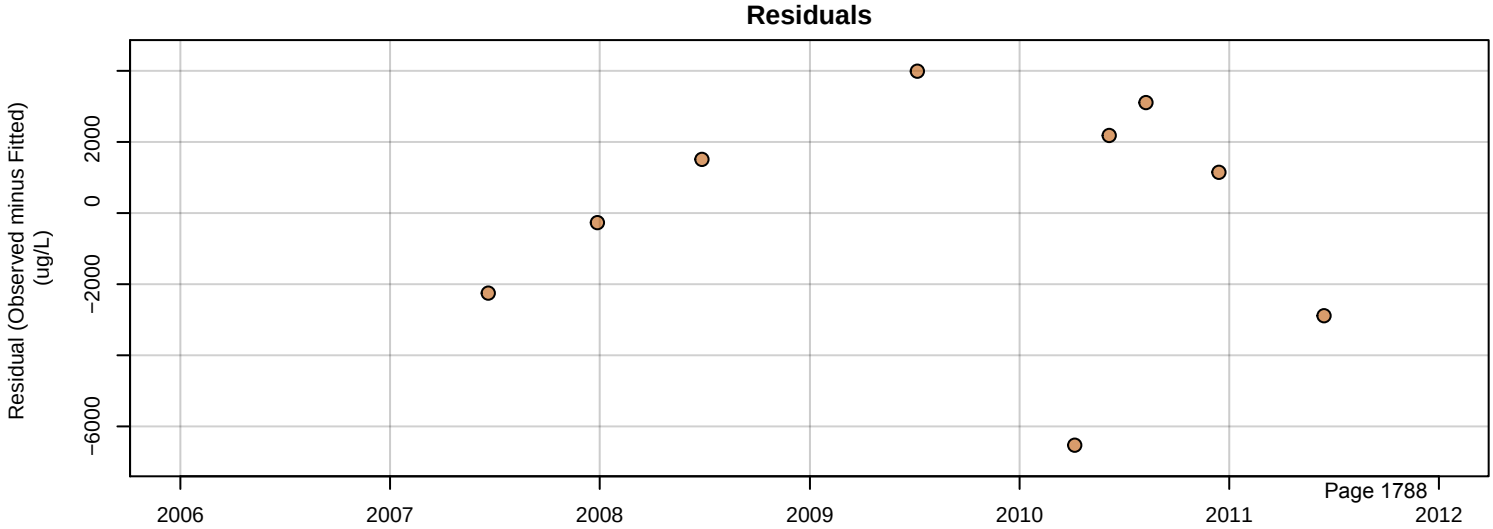


399−1−12 (363m) Lag (5 Days)

Detect
Non−detect
Pre−Remedy
Post−Remedy

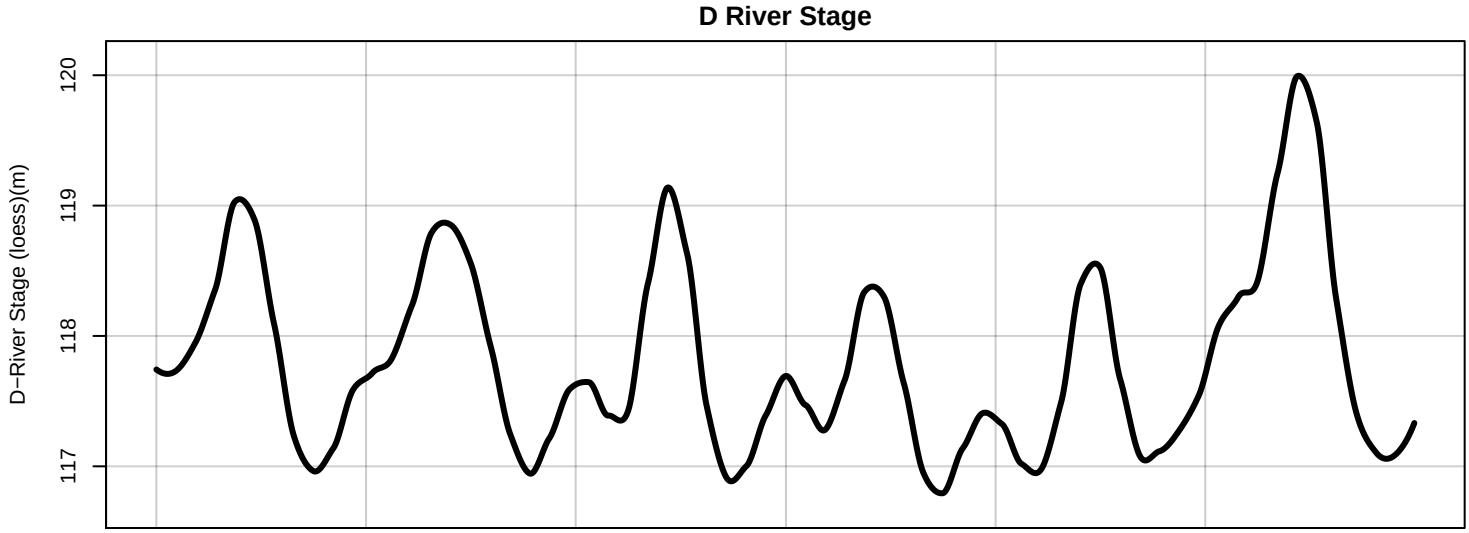


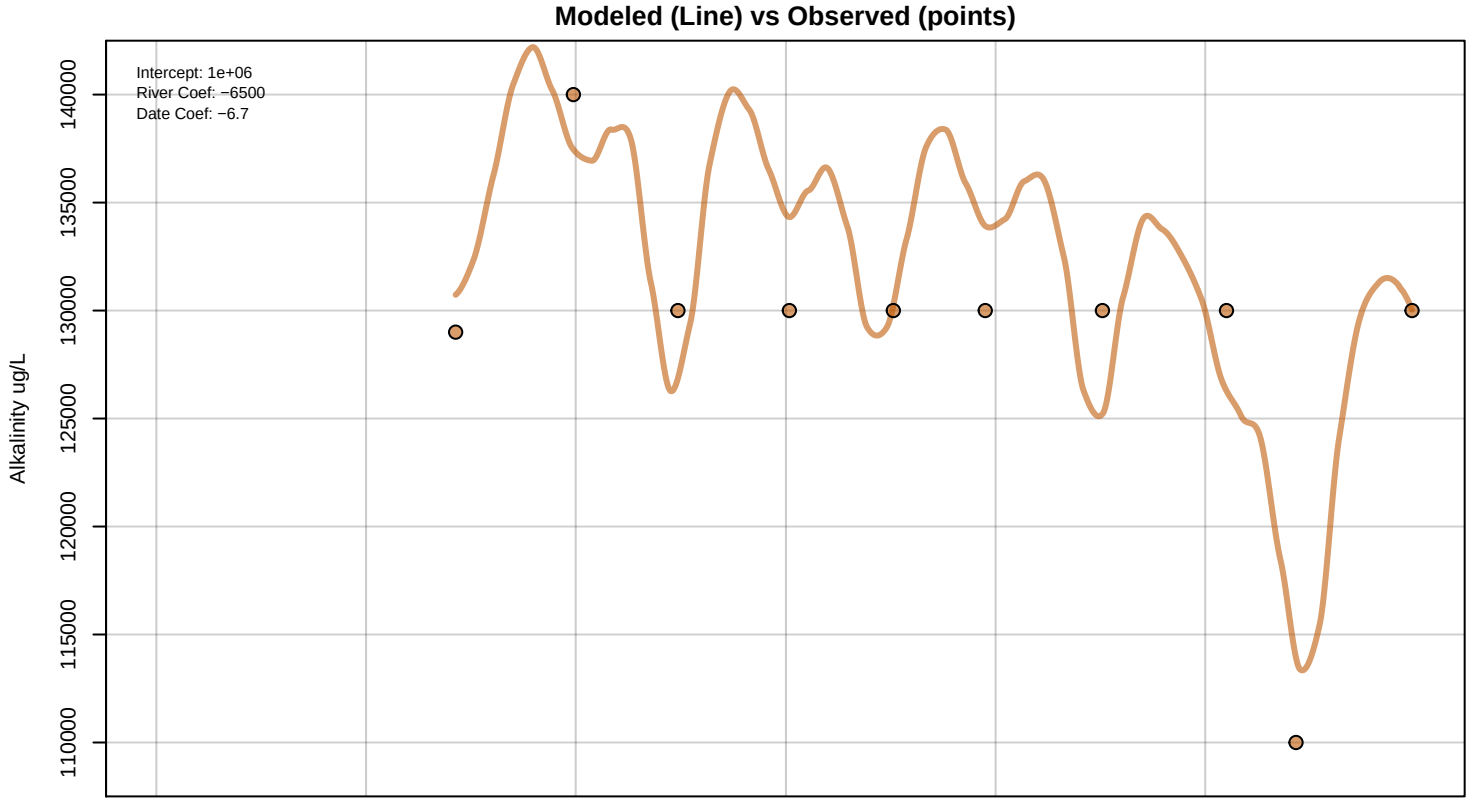


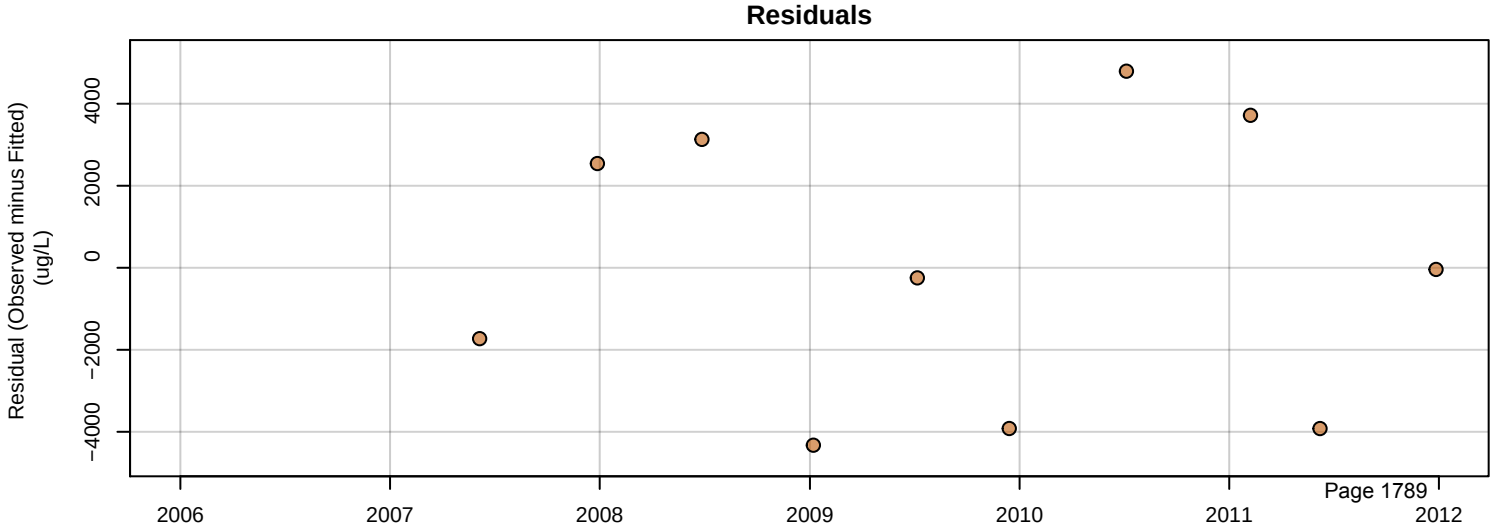


399−1−15 (362m) Lag (5 Days)

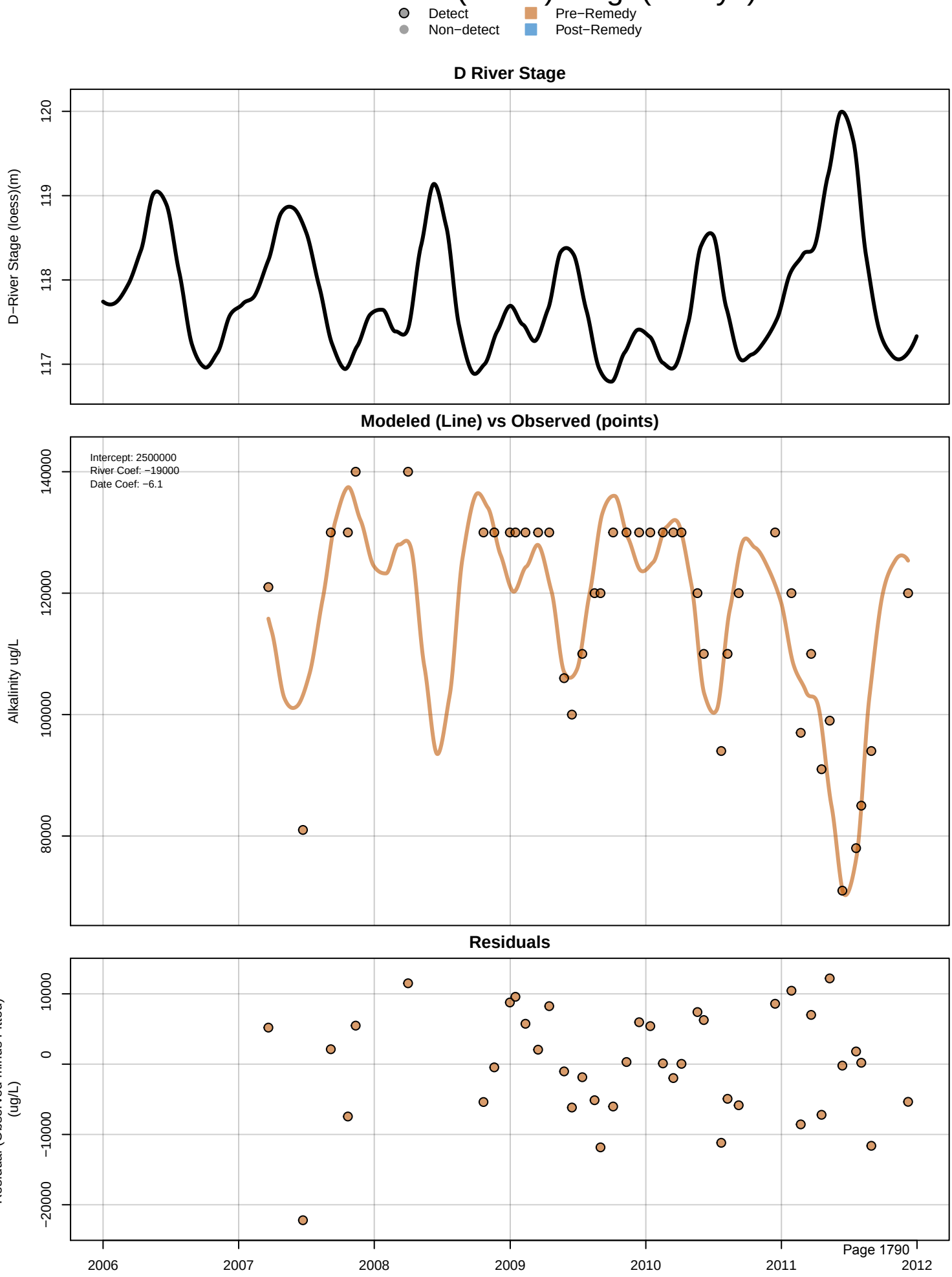
Detect
Non−detect
Pre−Remedy
Post−Remedy





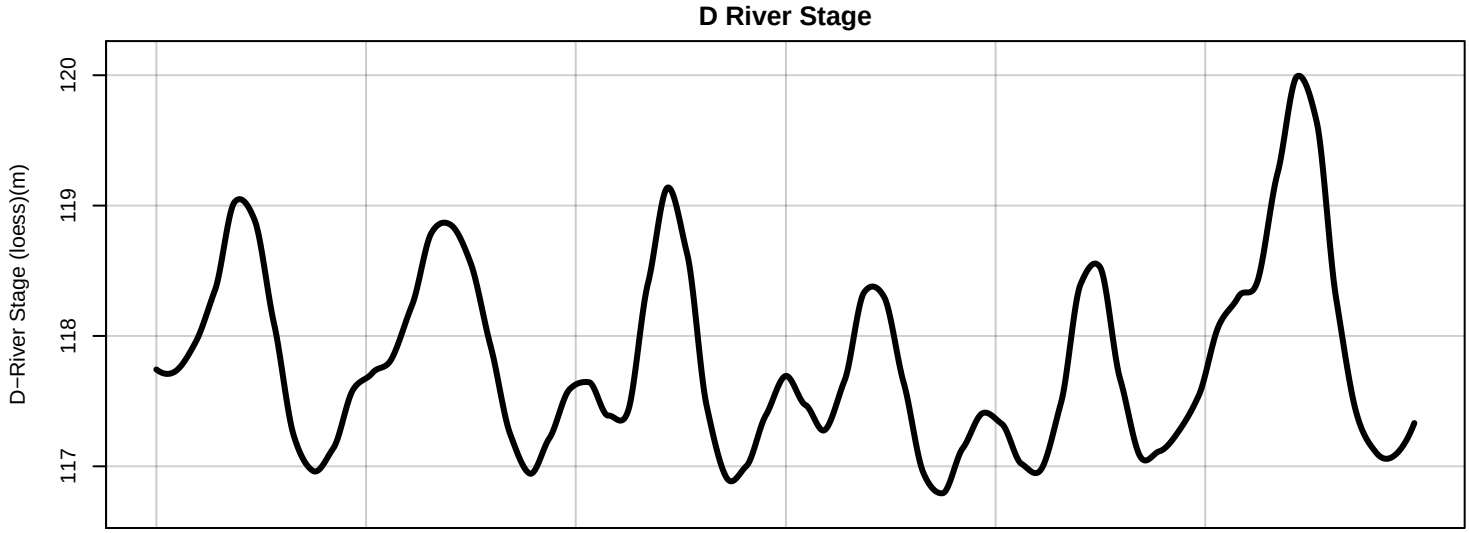


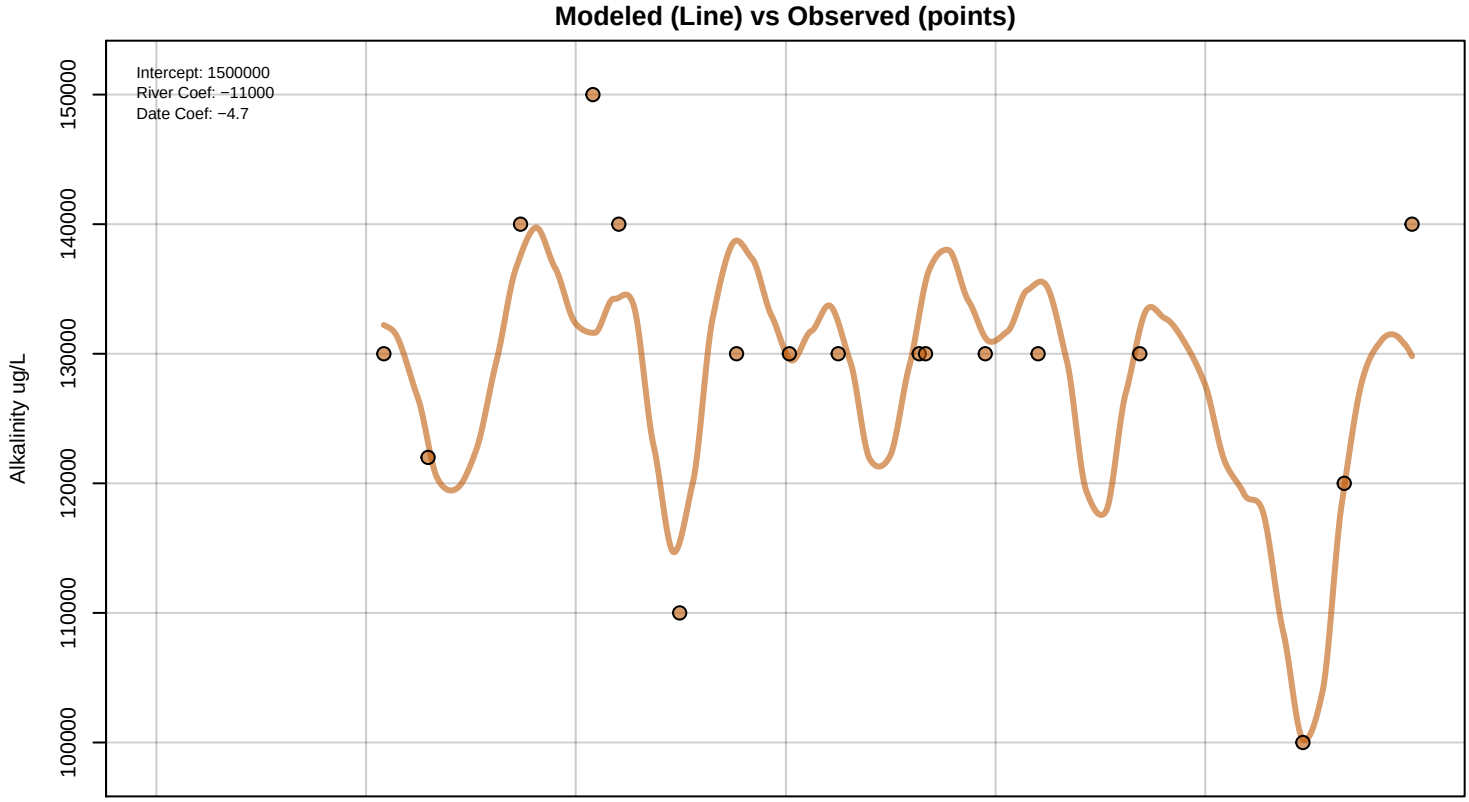
399−1−16A (120m) Lag (9 Days)

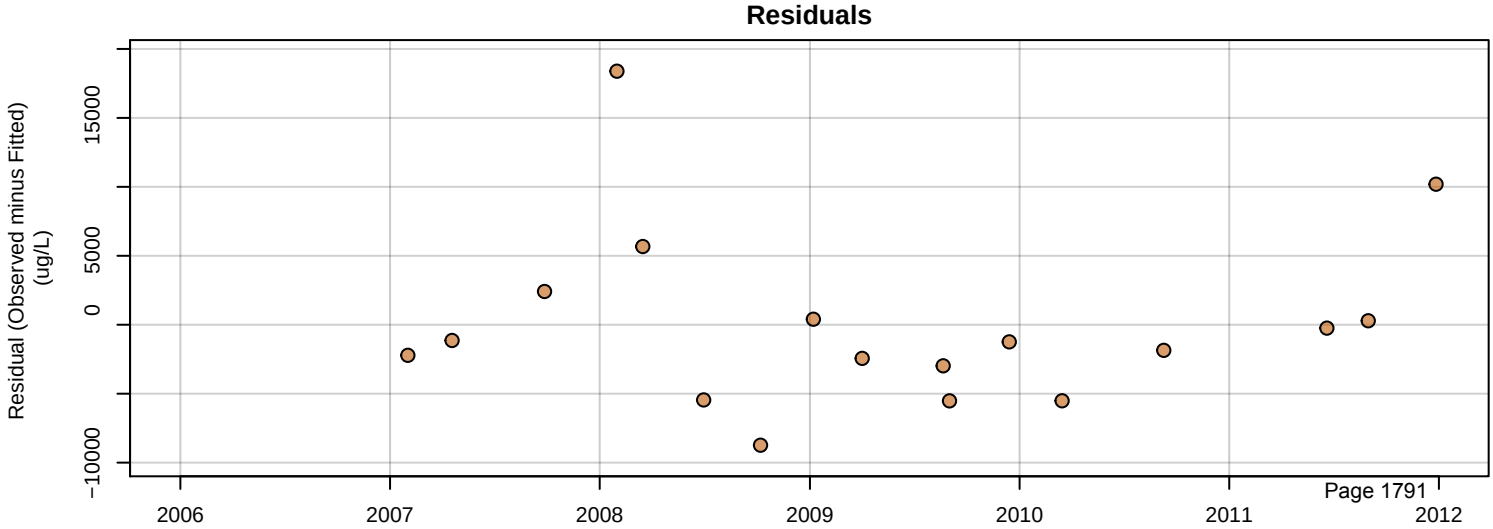


399−1−23 (310m) Lag (10 Days)

Detect
Non−detect
Pre−Remedy
Post−Remedy

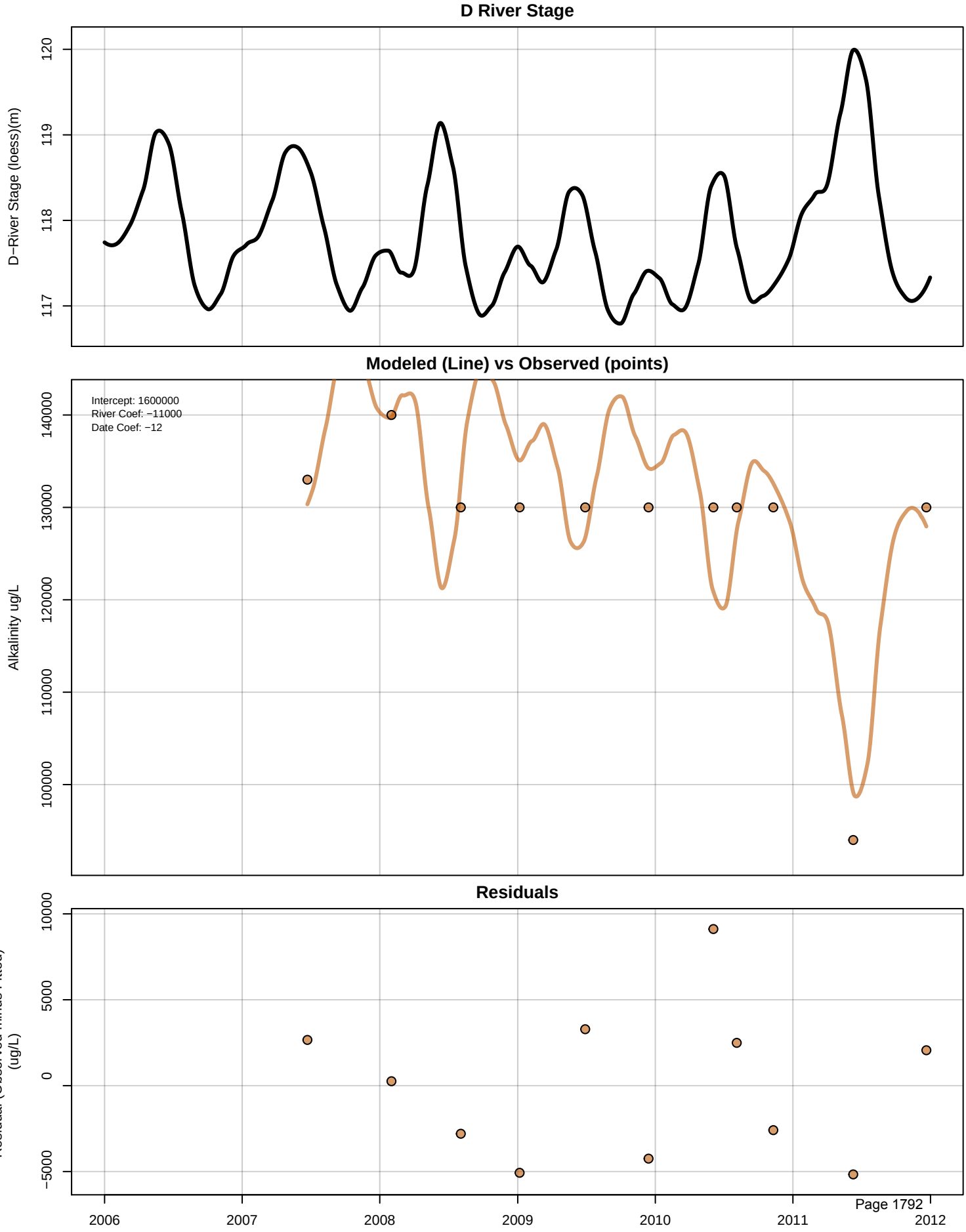






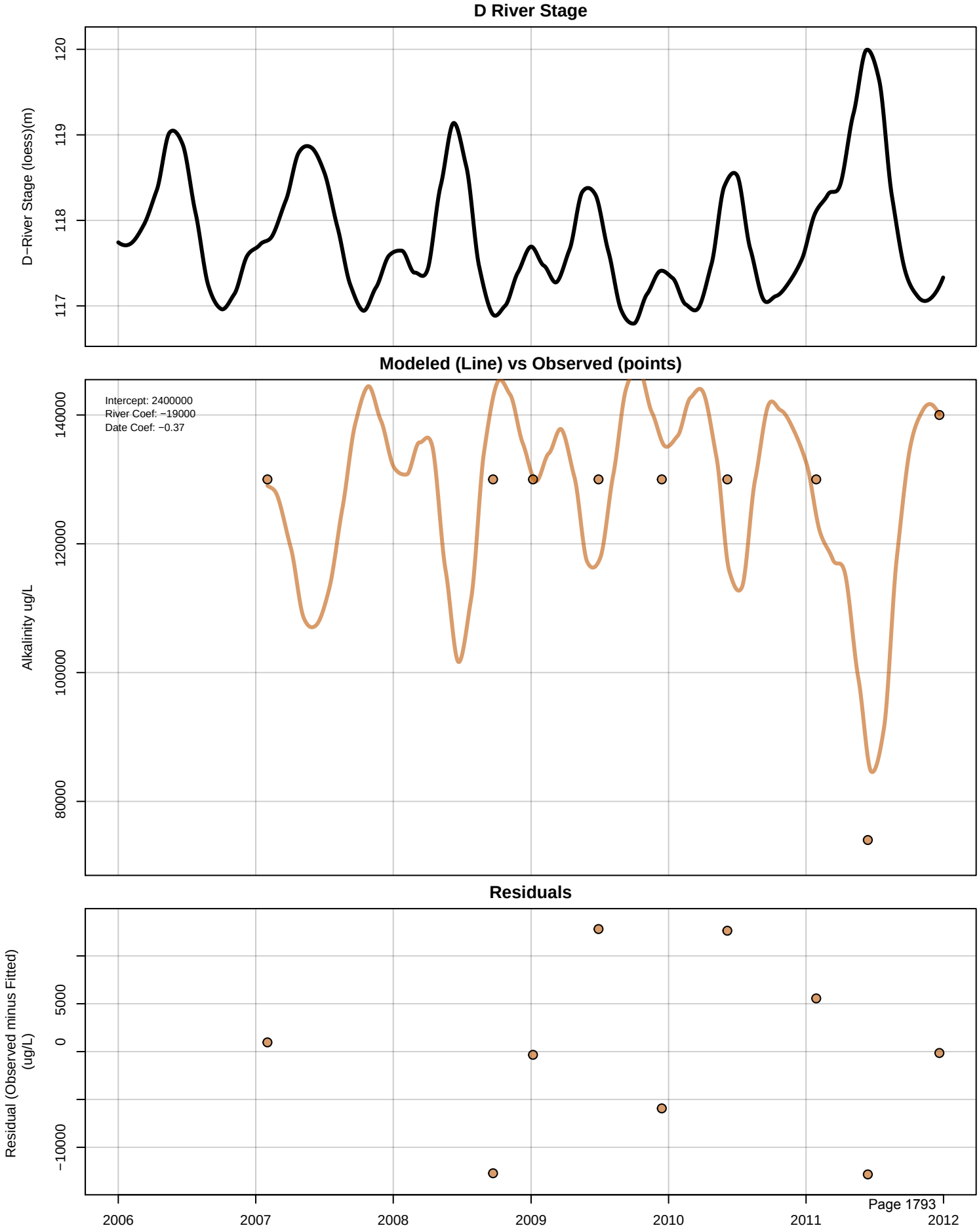
399−1−6 (217m) Lag (4 Days)

Detect
Non−detect
Pre−Remedy
Post−Remedy



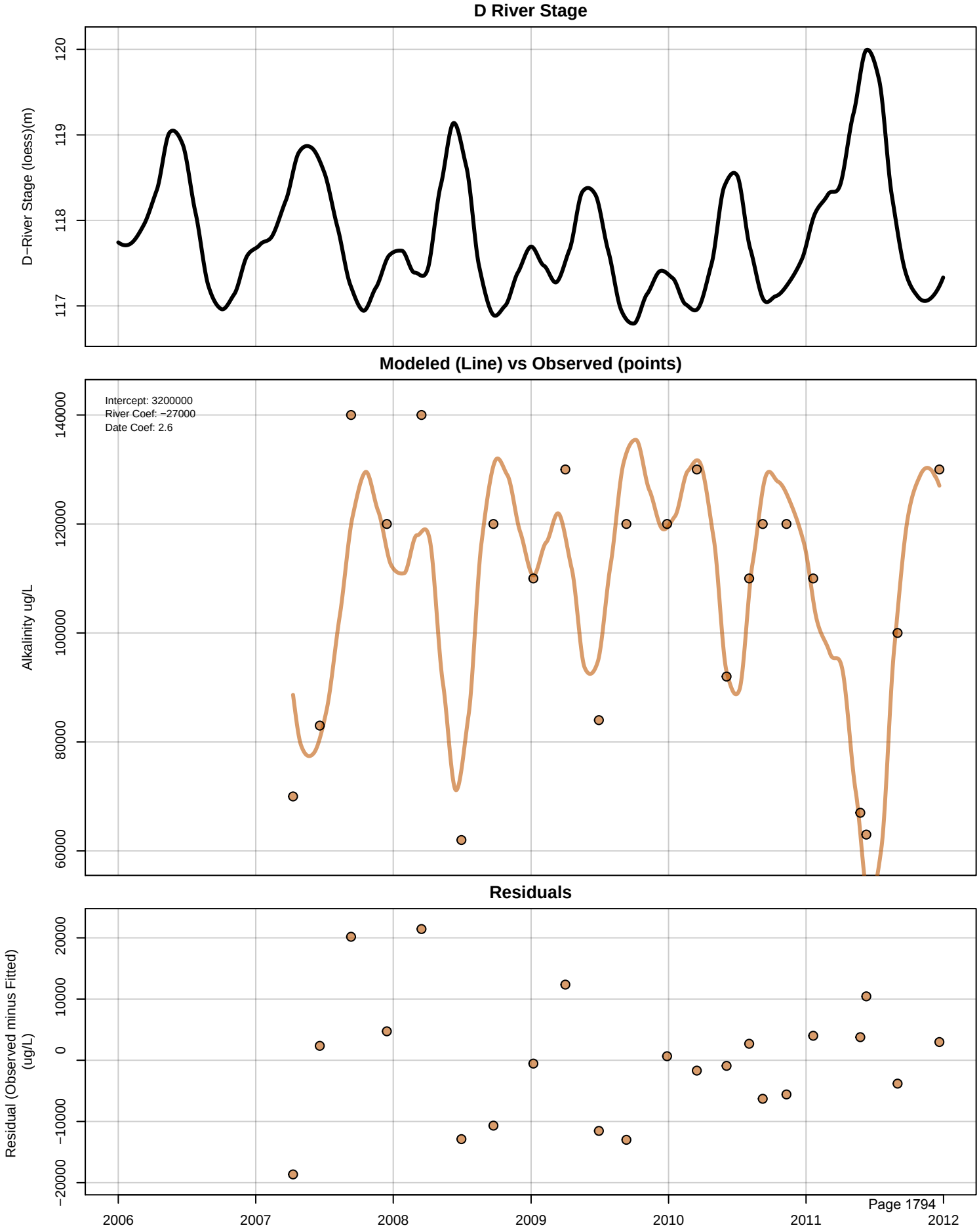
399−1−7 (188m) Lag (13 Days)

Detect
Non−detect
Pre−Remedy
Post−Remedy

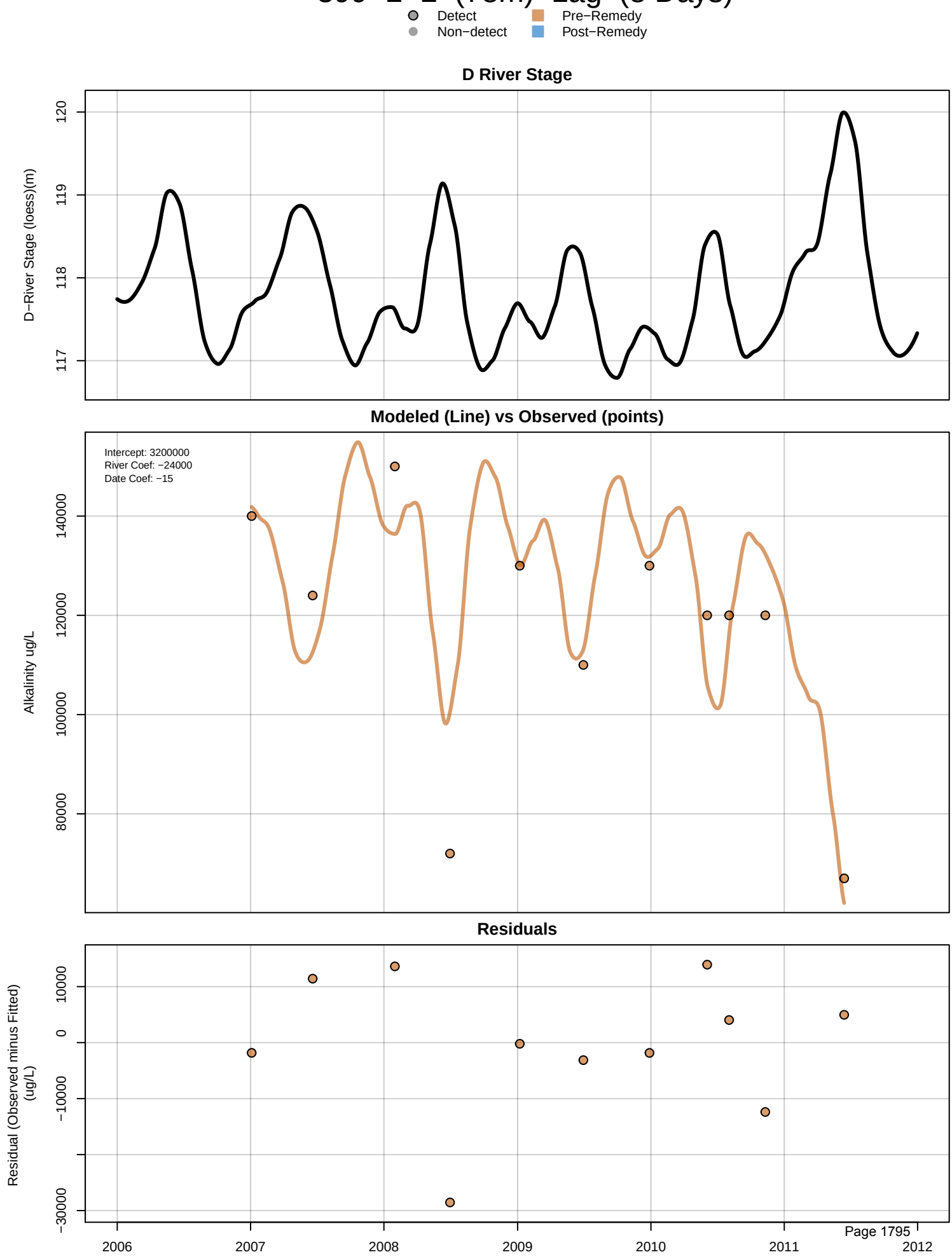


399−2−1 (47m) Lag (6 Days)

Detect
Non−detect
Pre−Remedy
Post−Remedy

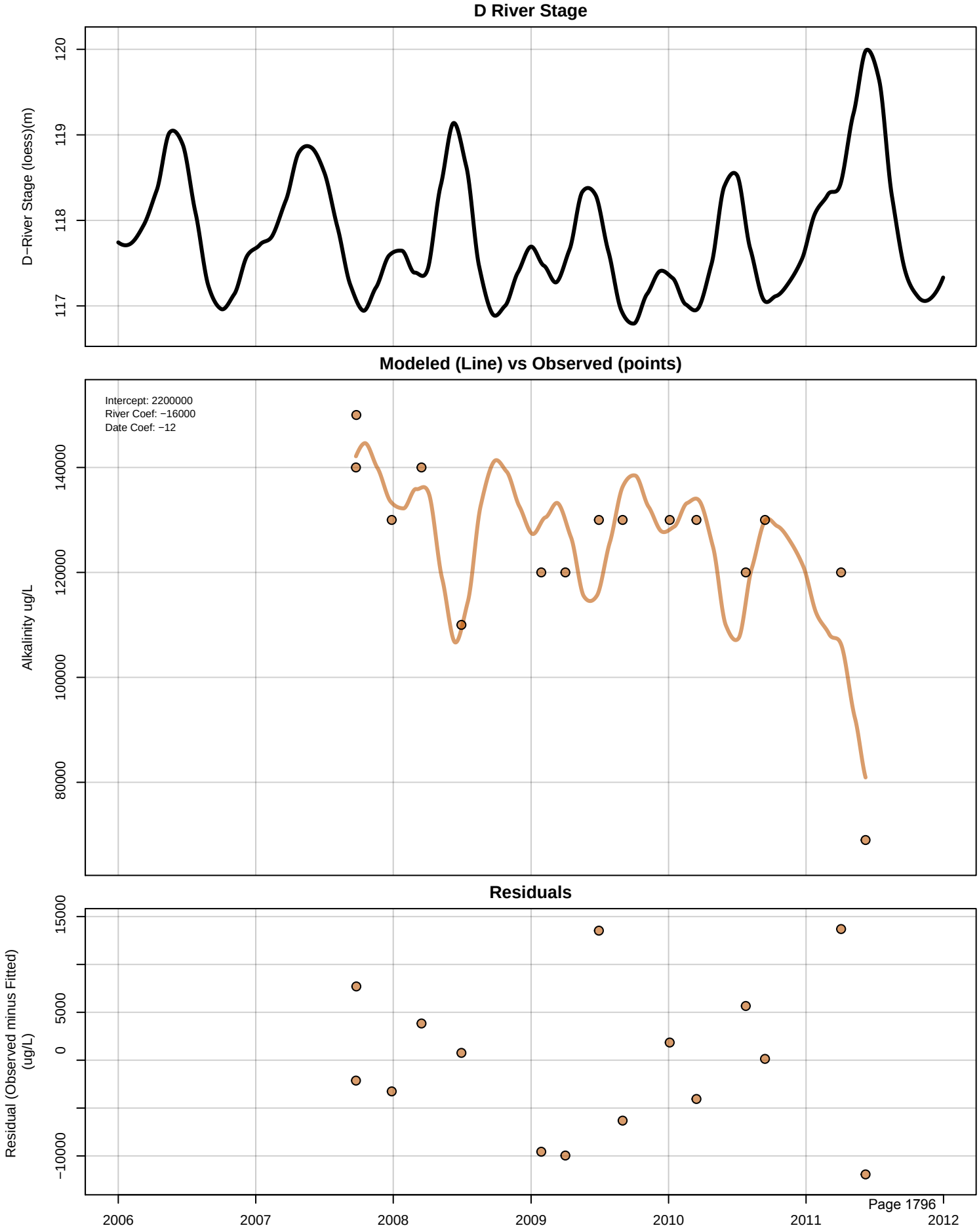


399−2−2 (78m) Lag (8 Days)



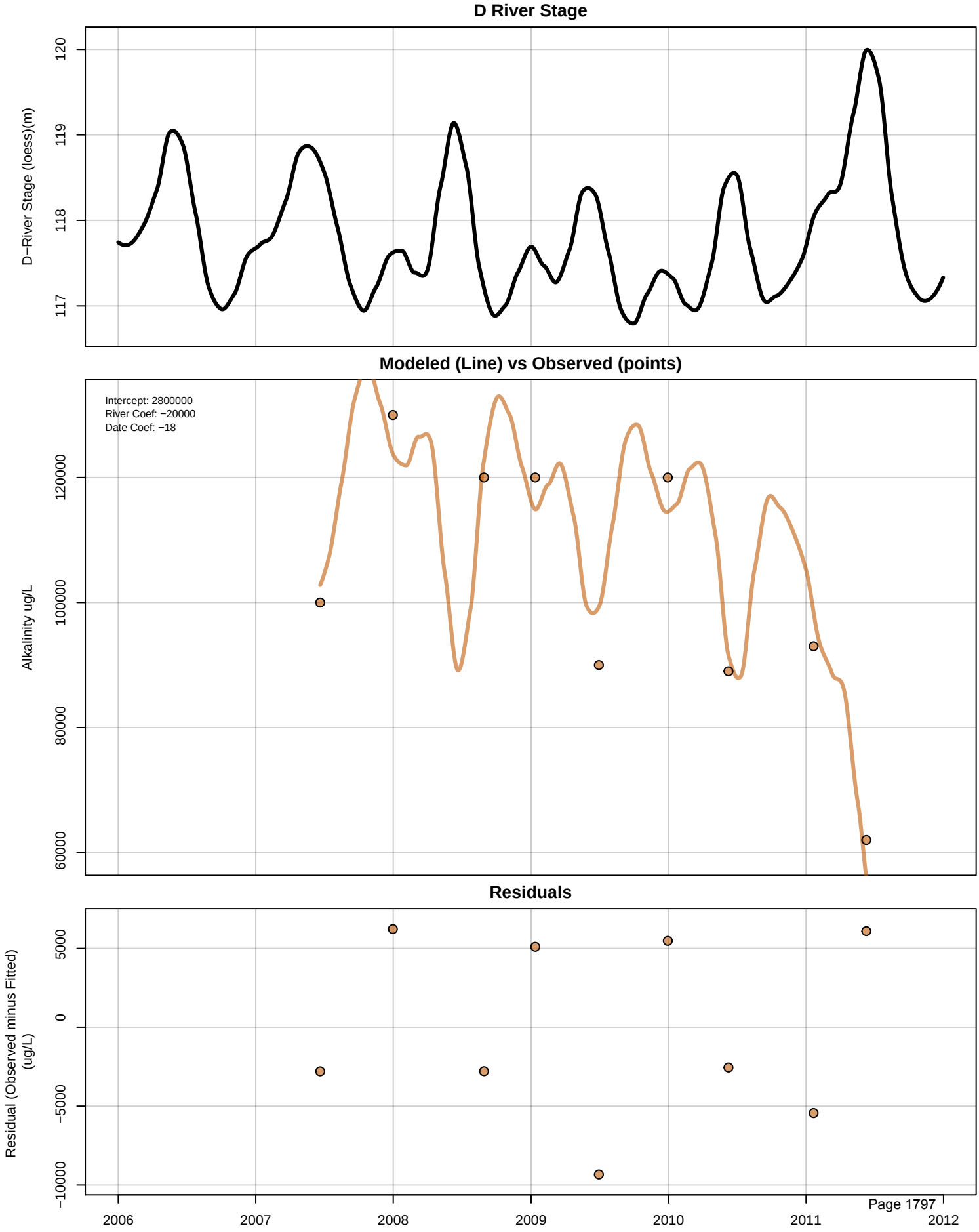
399−2−5 (234m) Lag (4 Days)

Detect
Non−detect
Pre−Remedy
Post−Remedy



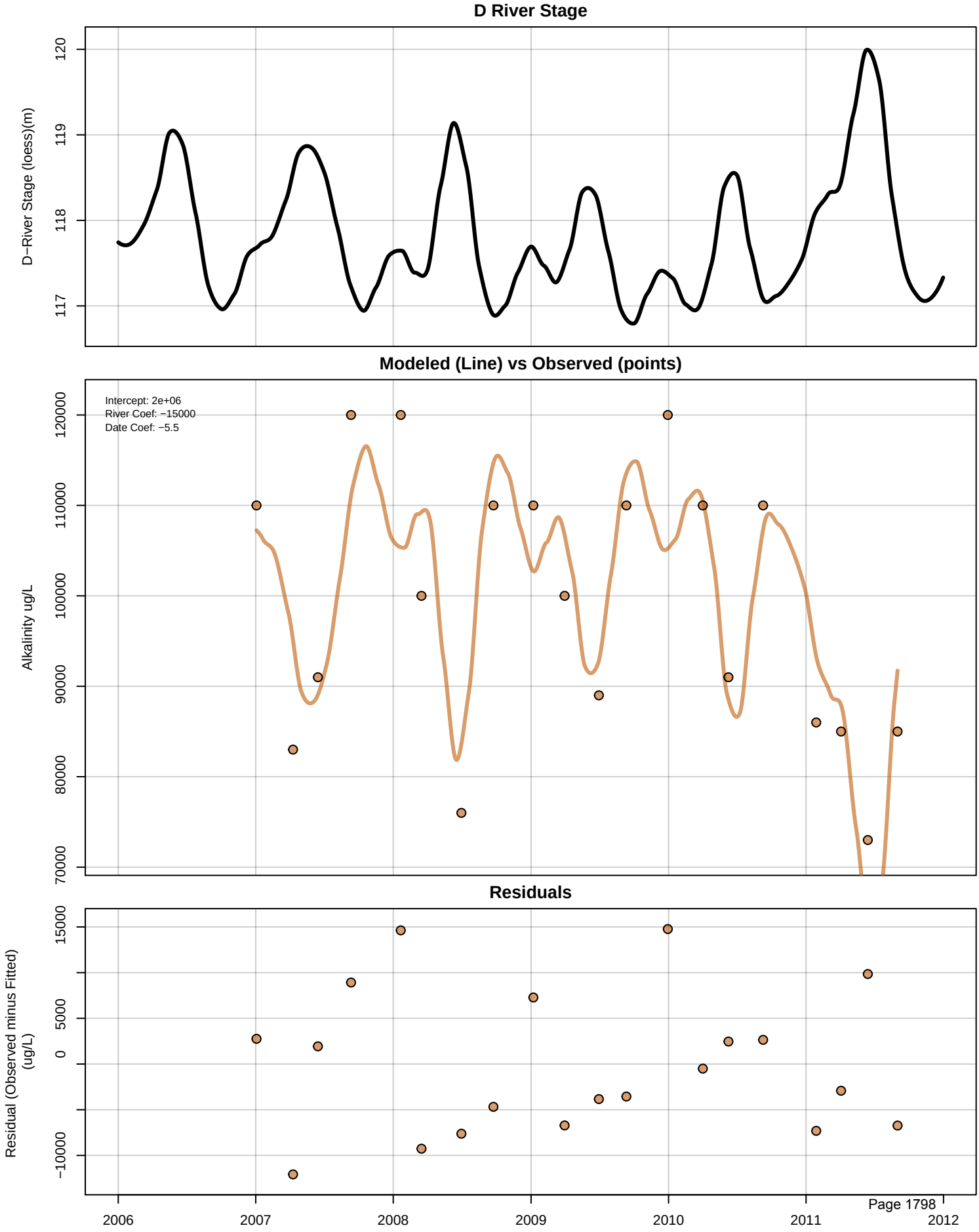
399−3−1 (52m) Lag (11 Days)

Detect
Non−detect
Pre−Remedy
Post−Remedy



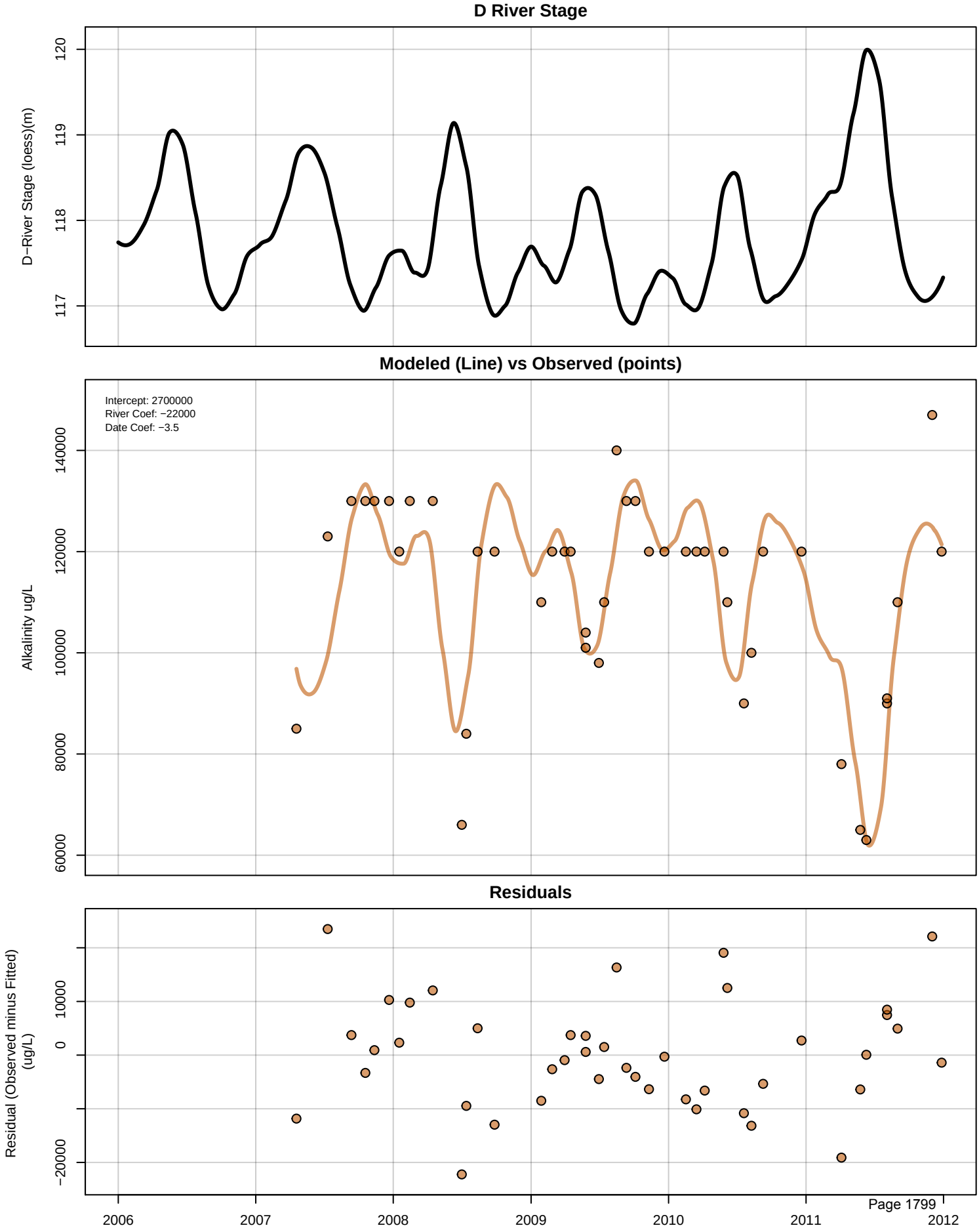
399−3−10 (51m) Lag (7 Days)

Detect
Non−detect
Pre−Remedy
Post−Remedy



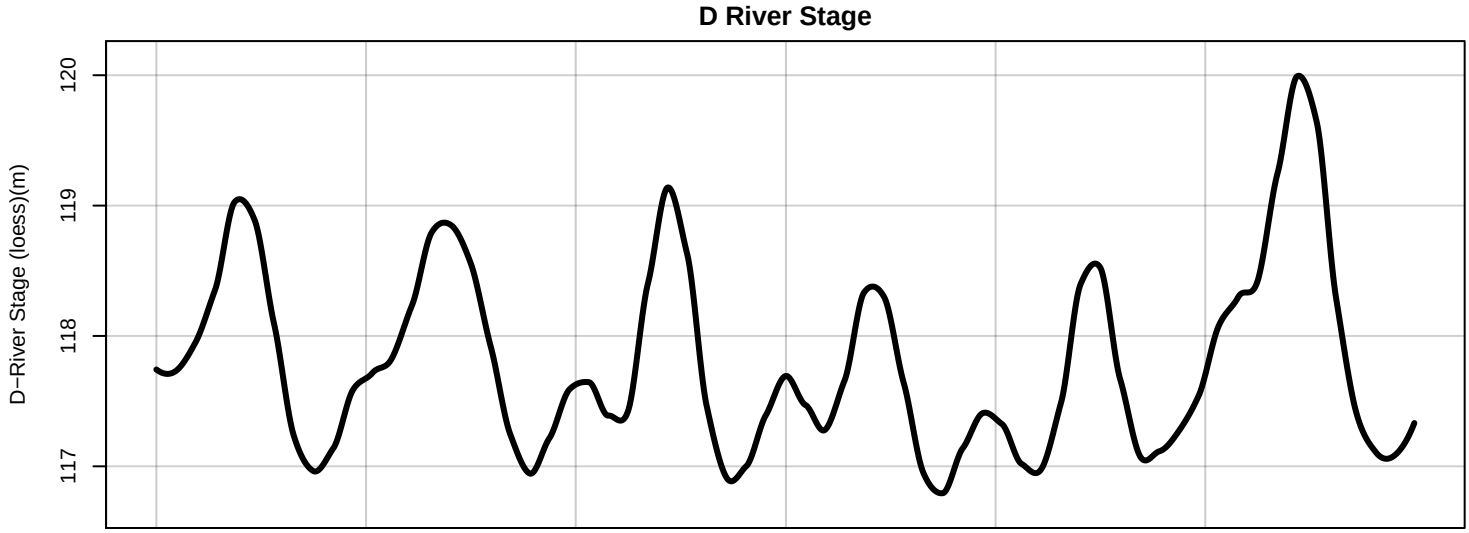
399−3−18 (65m) Lag (5 Days)

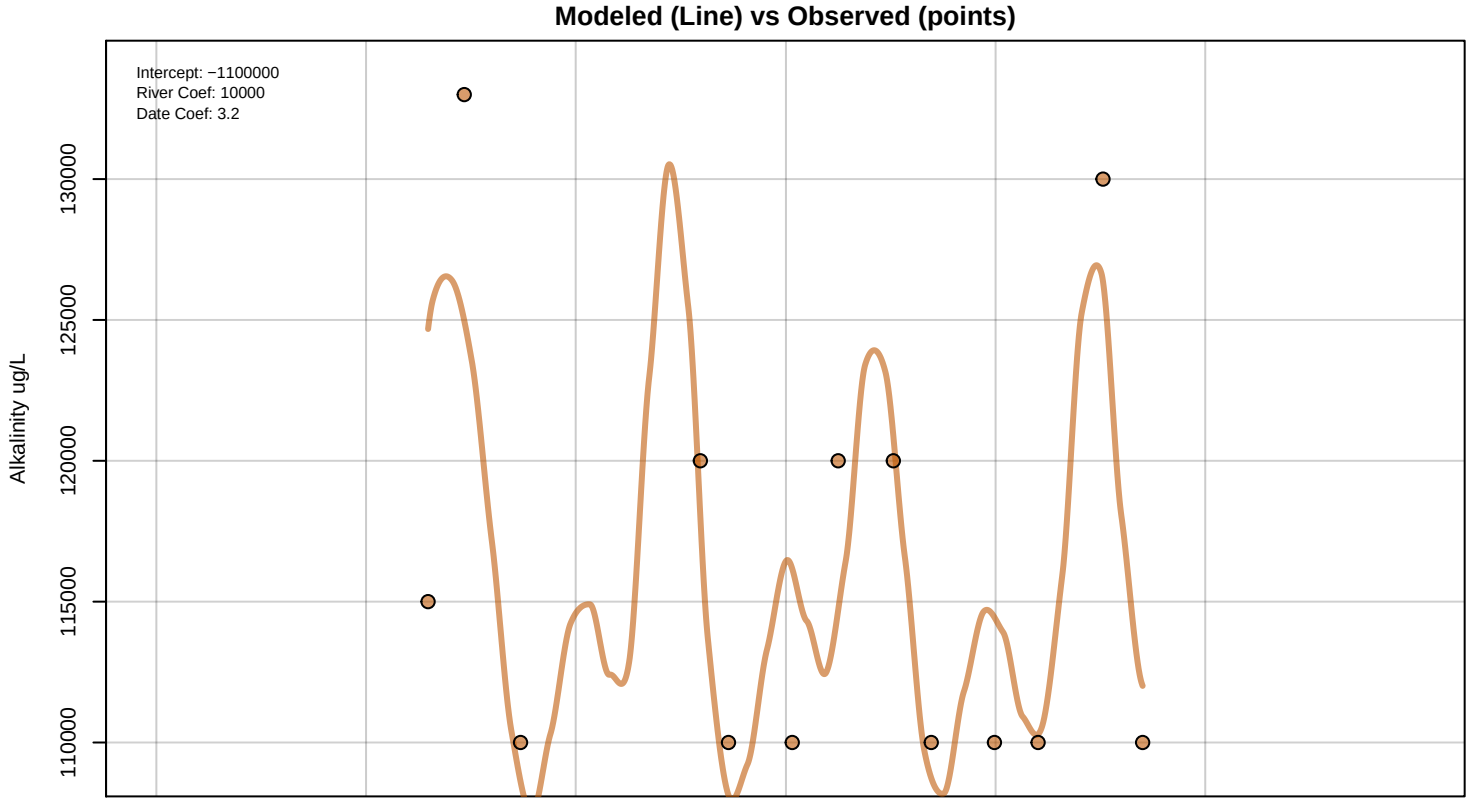
Detect
Non−detect
Pre−Remedy
Post−Remedy

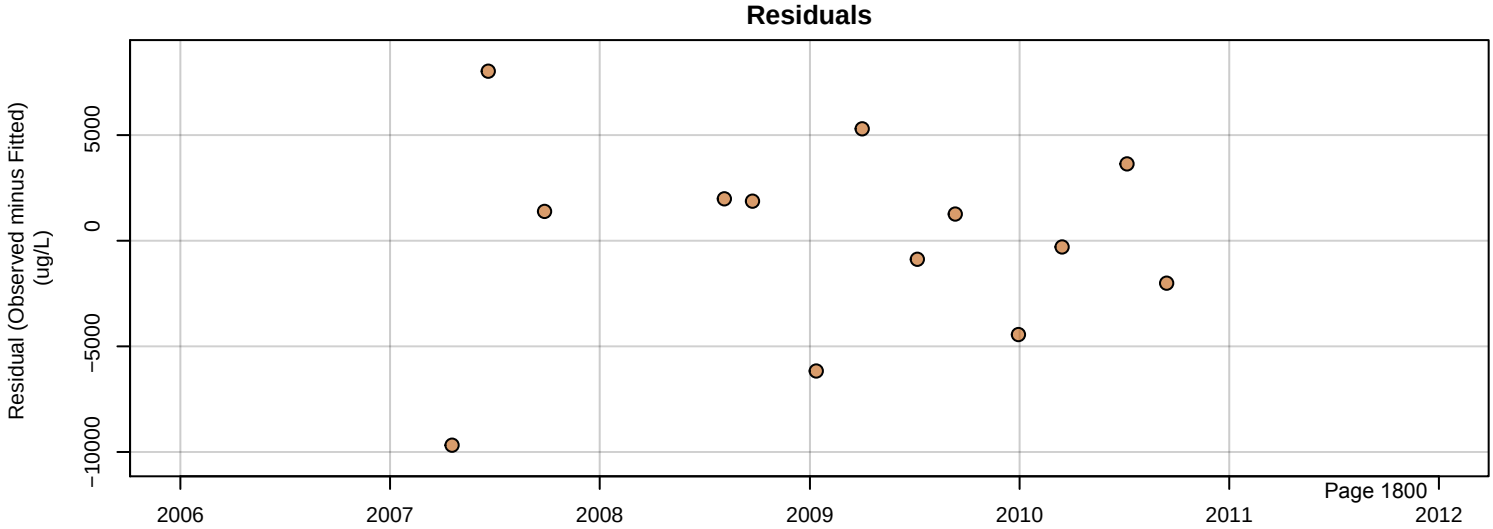


399−3−19 (452m) Lag (2 Days)

Detect
Non−detect
Pre−Remedy
Post−Remedy

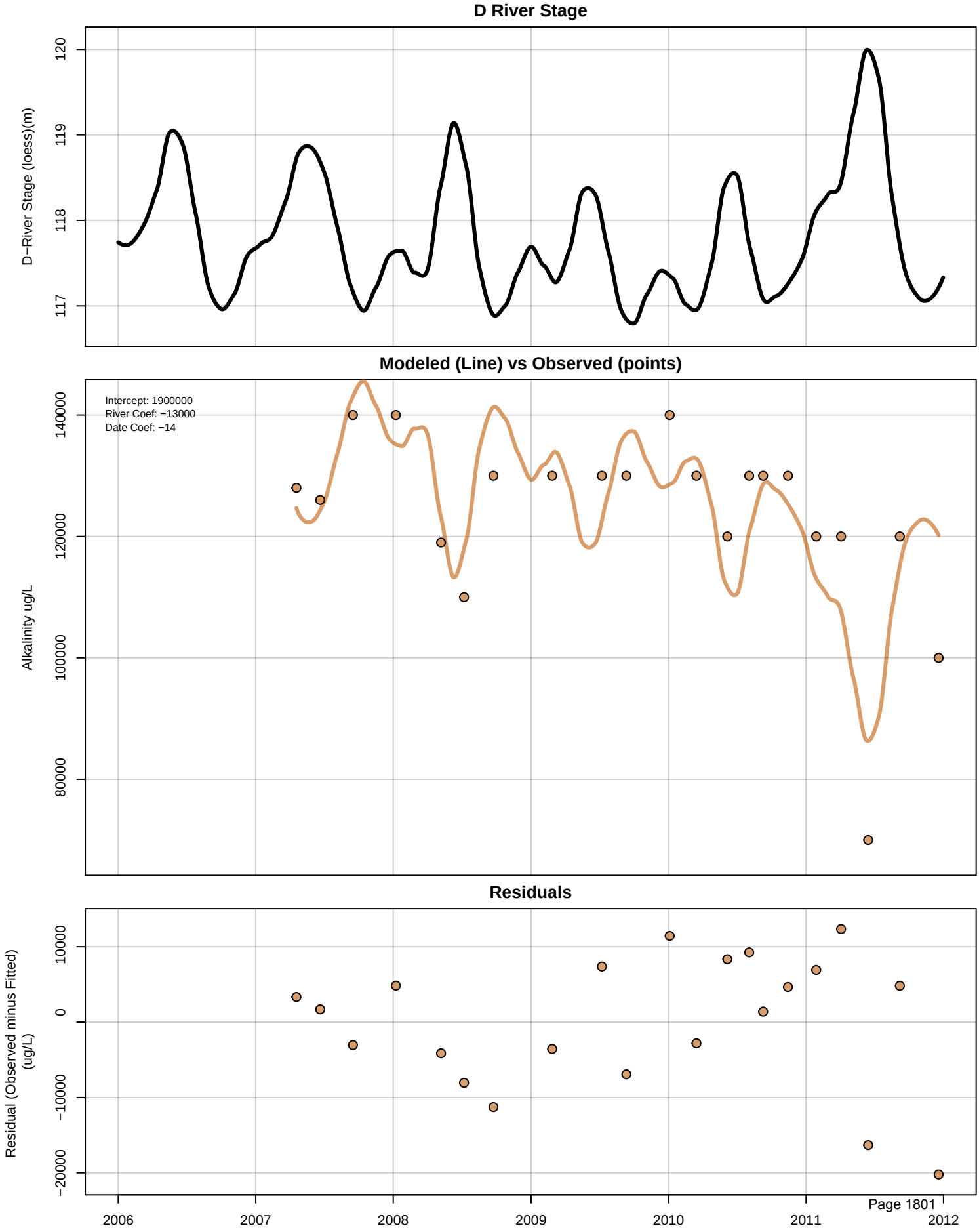






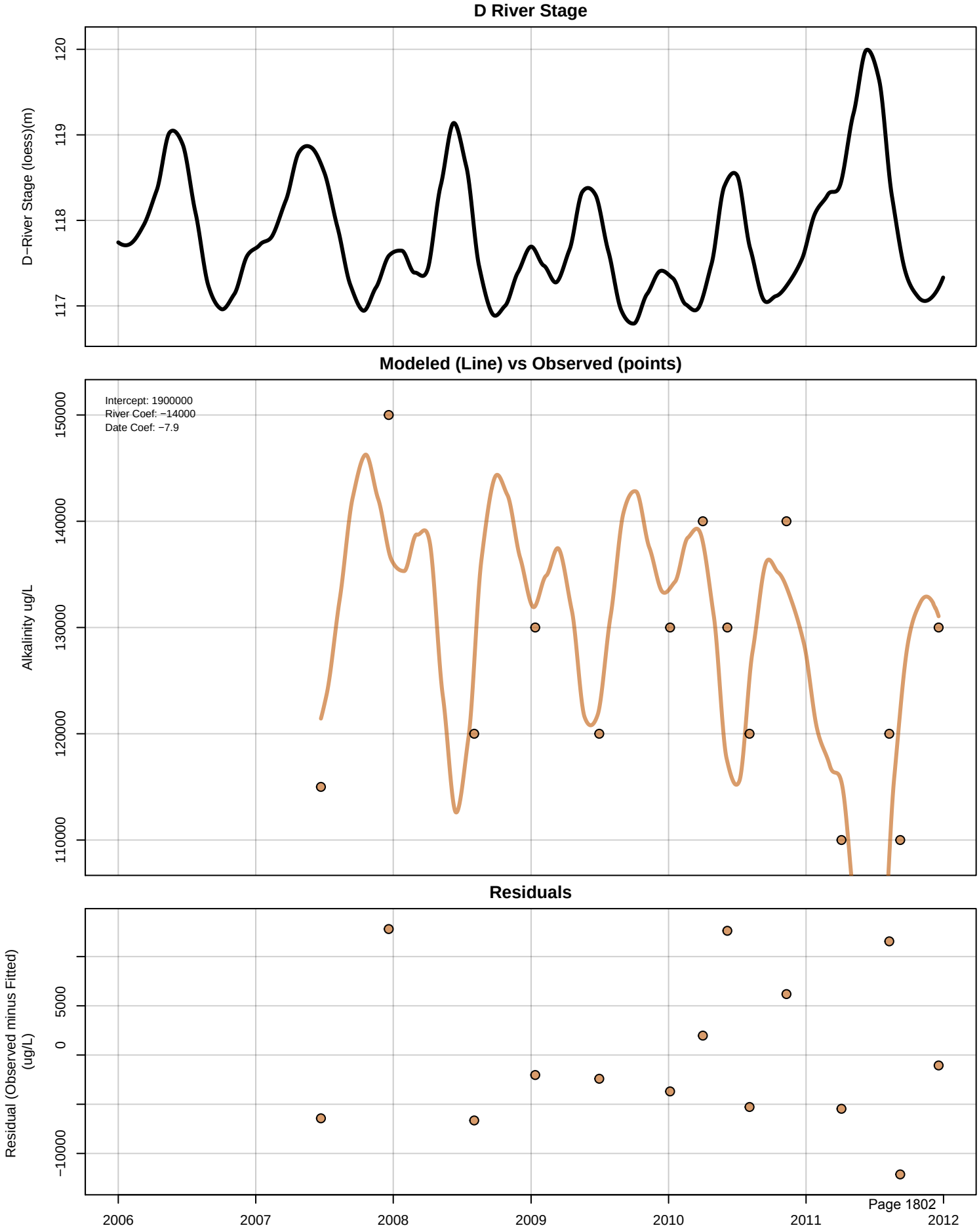
399−3−20 (201m) Lag (0 Days)

Detect
Non−detect
Pre−Remedy
Post−Remedy



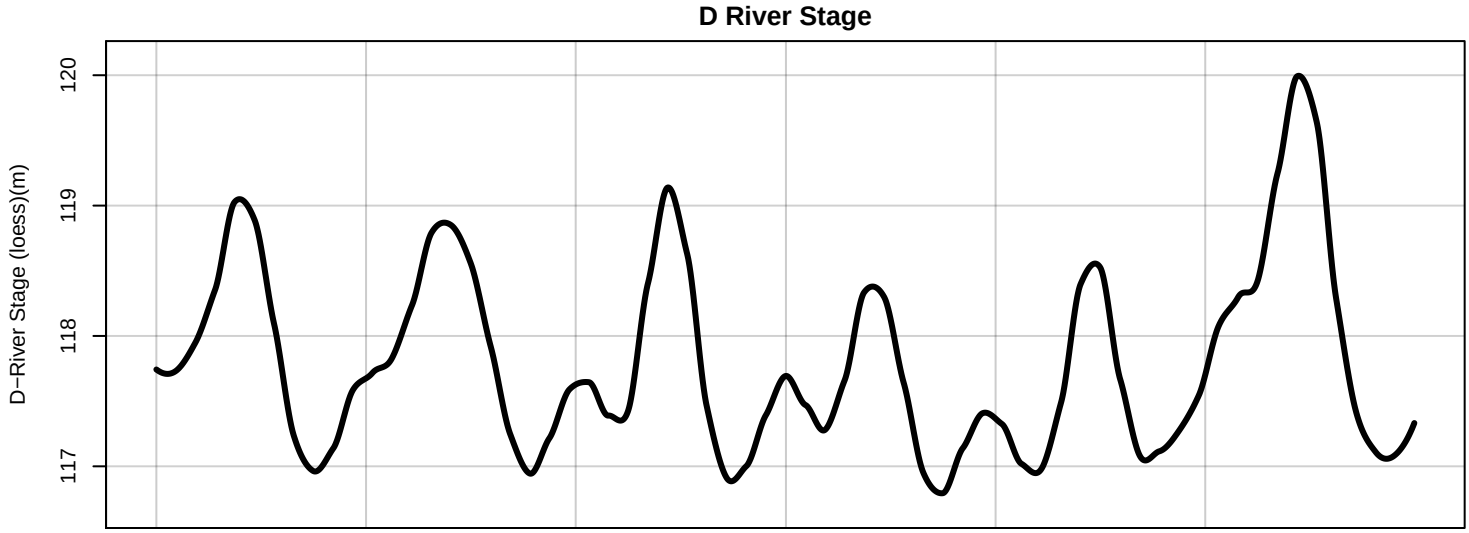
399−3−6 (608m) Lag (6 Days)

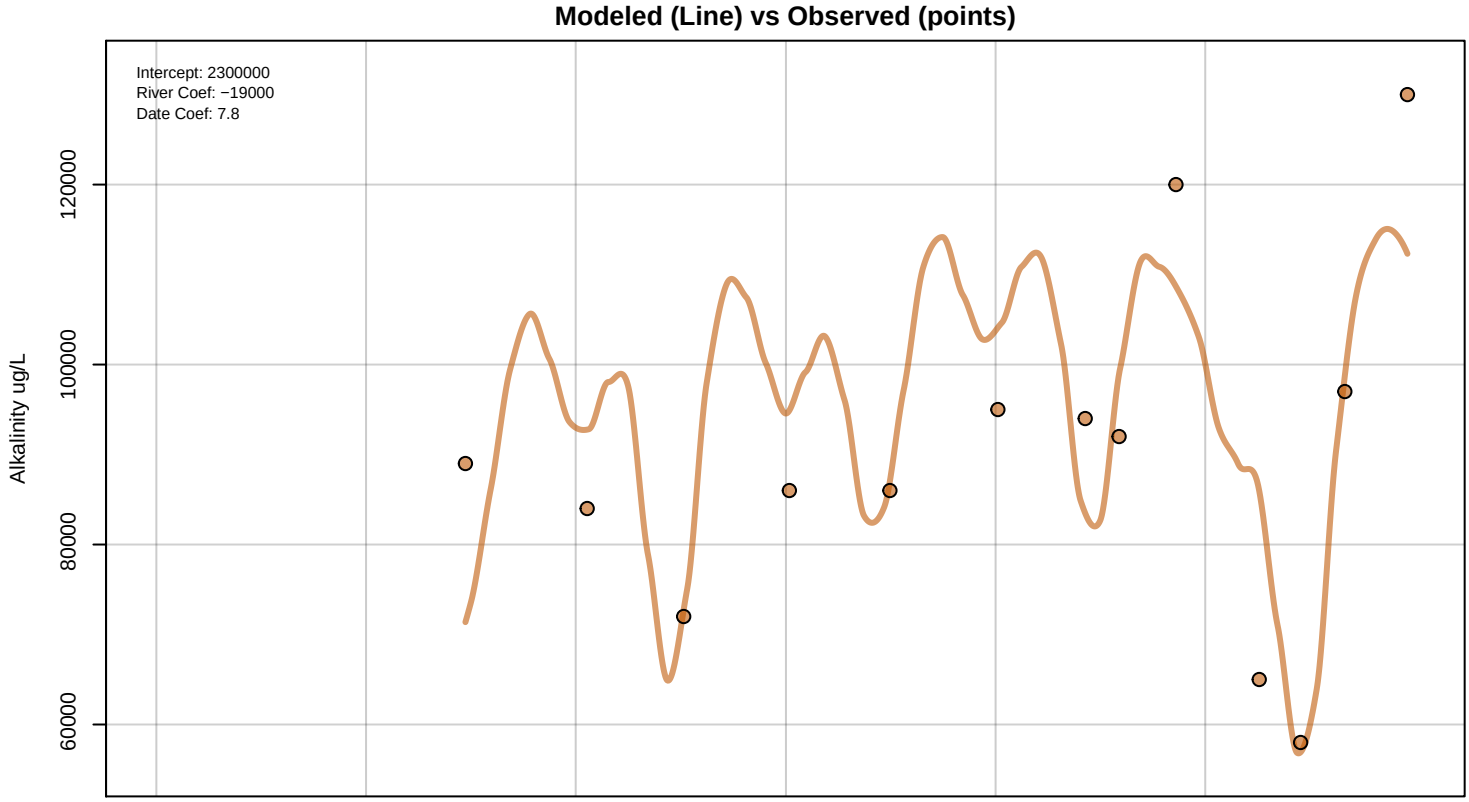
Detect
Non−detect
Pre−Remedy
Post−Remedy

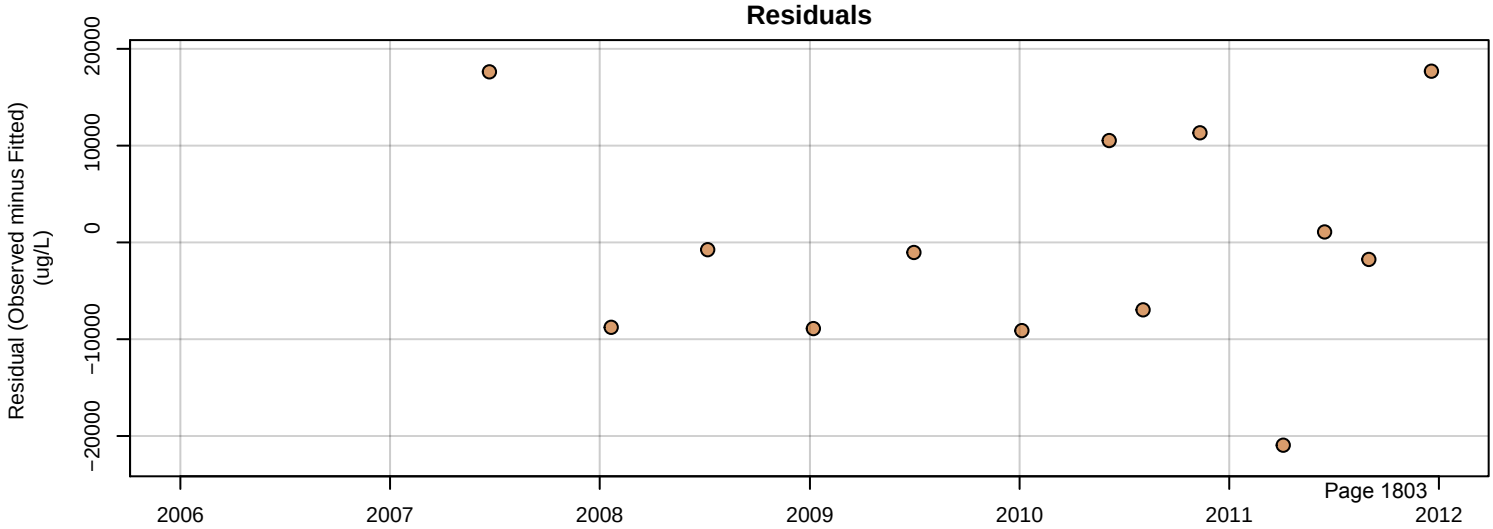


399−3−9 (57m) Lag (0 Days)

Detect
Non−detect
Pre−Remedy
Post−Remedy

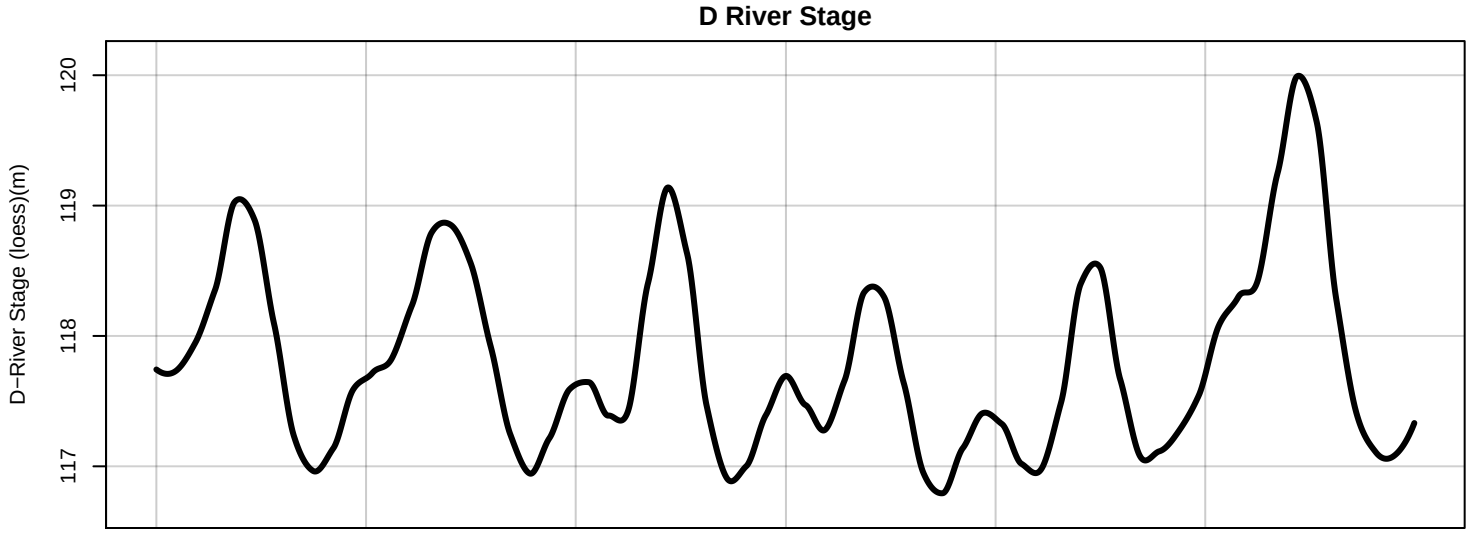


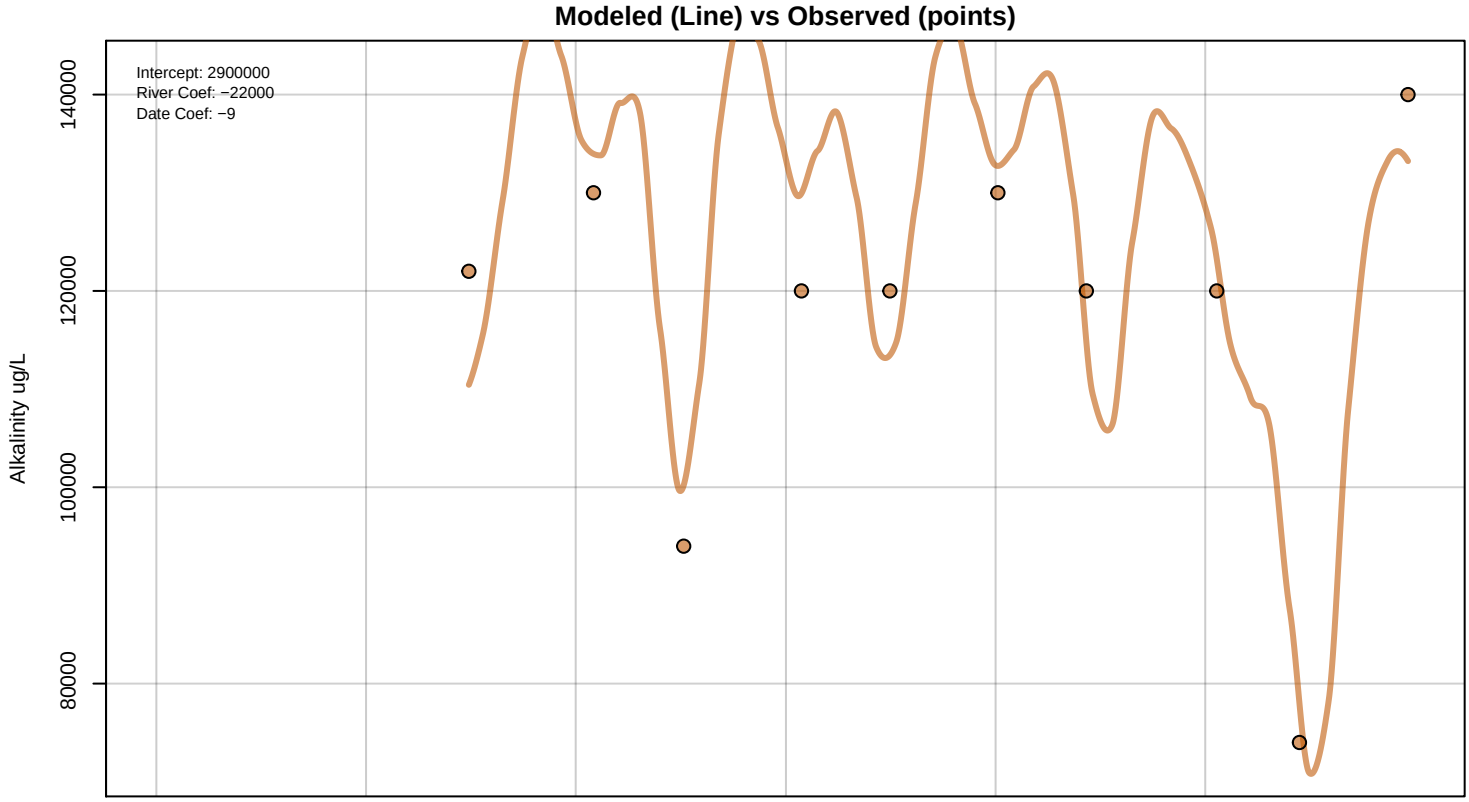


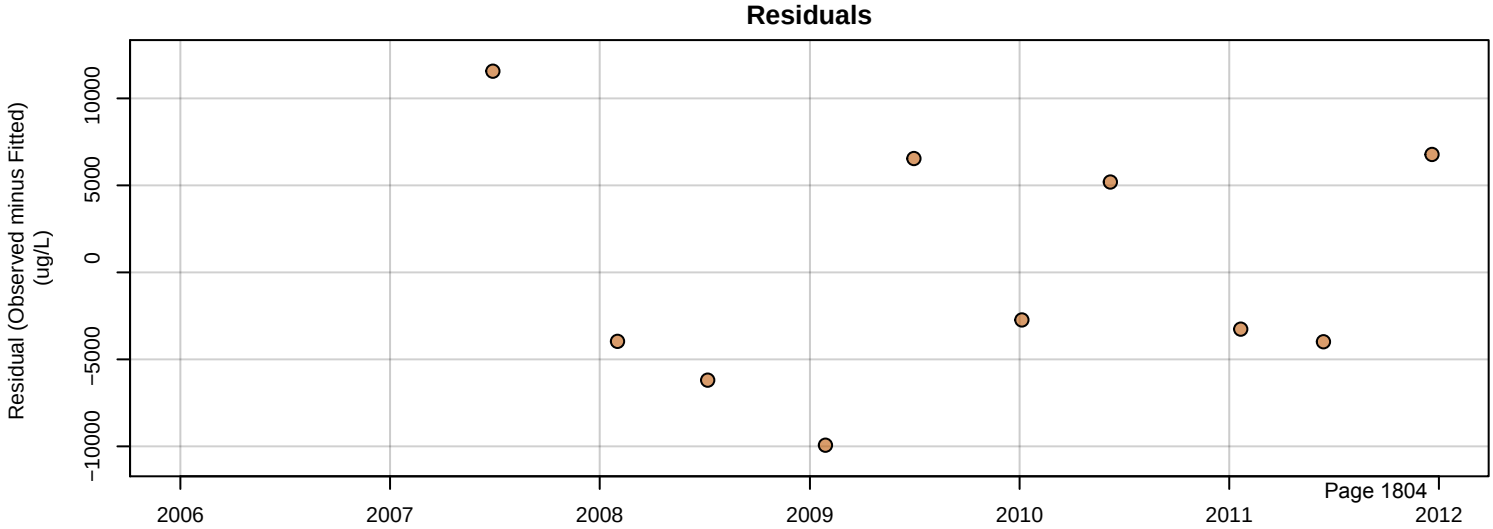


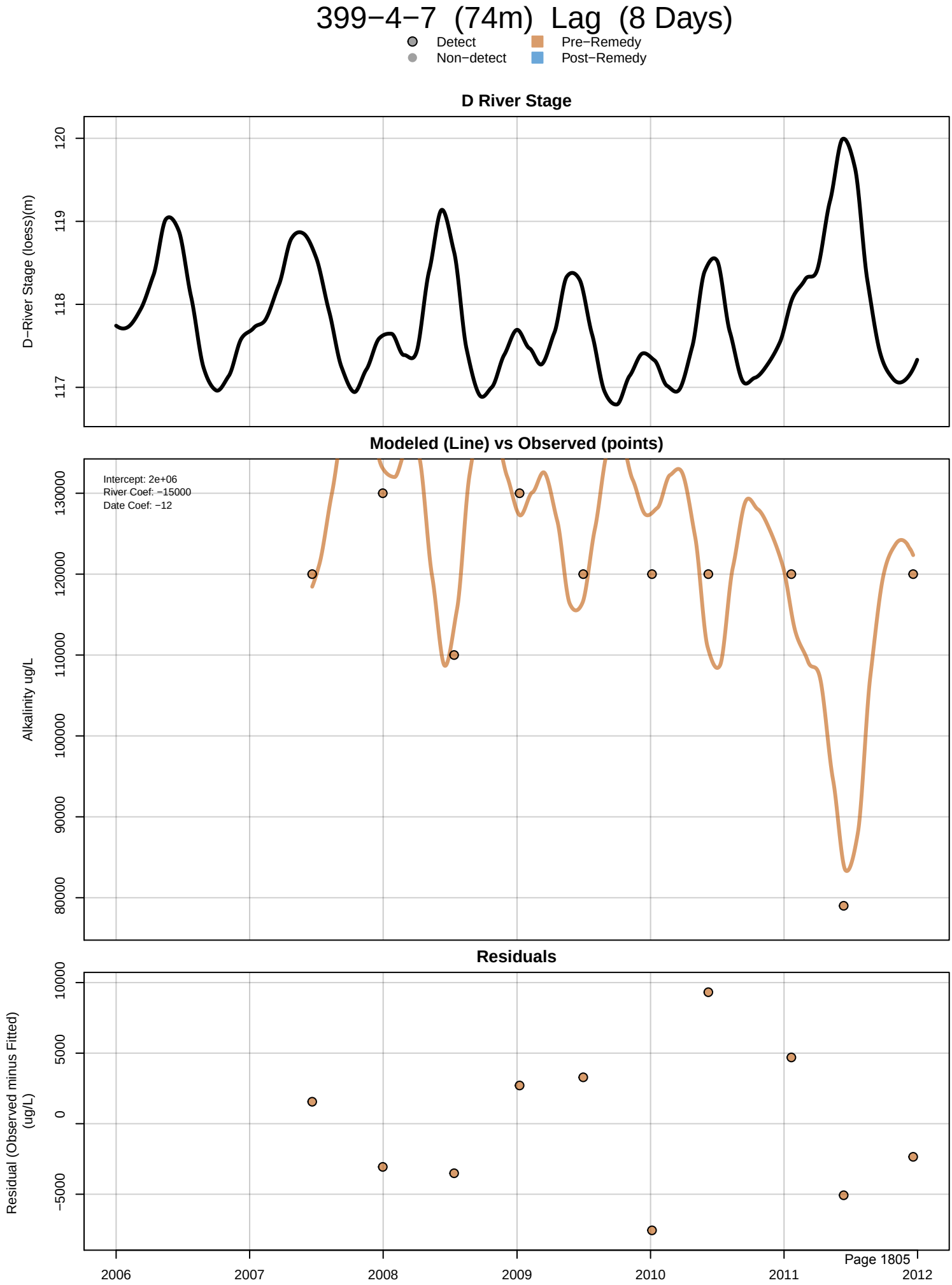
399−4−10 (57m) Lag (21 Days)

Detect
Non−detect
Pre−Remedy
Post−Remedy



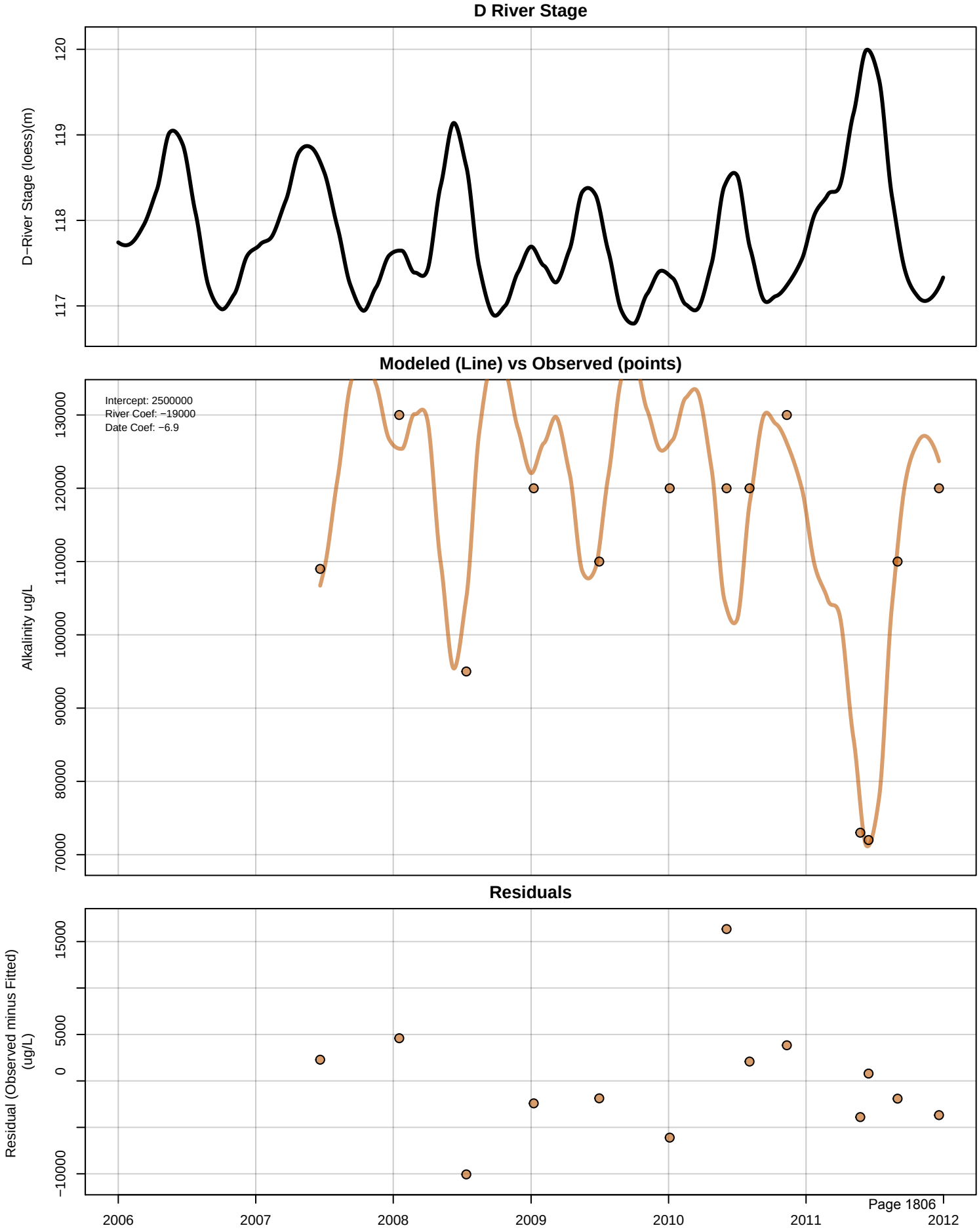





399−4−7 (74m) Lag (8 Days)
Detect
Non−detect
Pre−Remedy
Post−Remedy
D River Stage
D−River Stage (loess)(m)
120
119
118
117
Modeled (Line) vs Observed (points)
Intercept: 2e+06
River Coef: −15000
Date Coef: −12
Alkalinity ug/L
130000
120000
110000
100000
90000
80000
Residuals
Residual (Observed minus Fitted) (ug/L)
10000
5000
0
−5000
2006
2007
2008
2009
2010
2011
2012

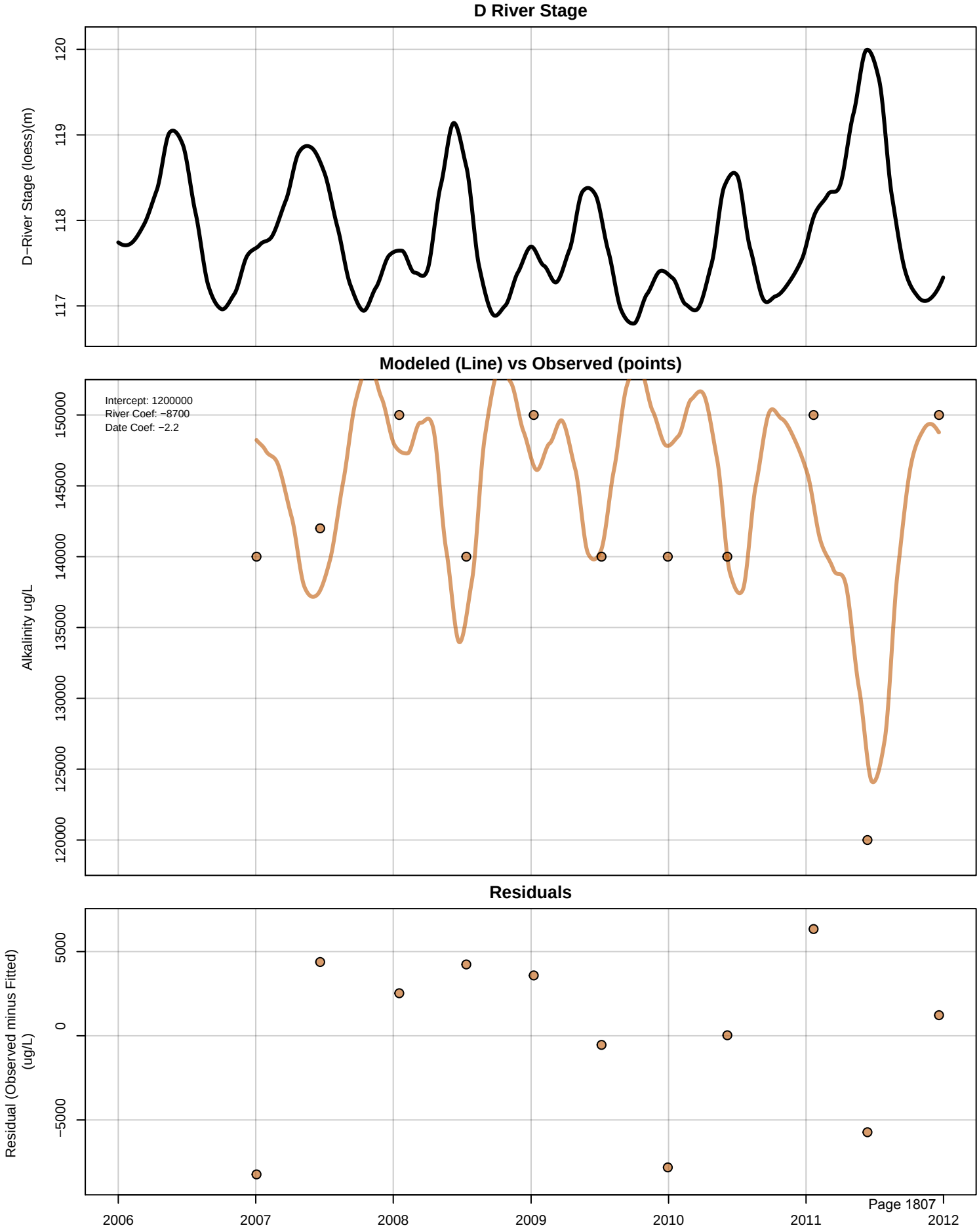
399−4−9 (58m) Lag (0 Days)

Detect
Non−detect
Pre−Remedy
Post−Remedy



399−5−4B (845m) Lag (15 Days)

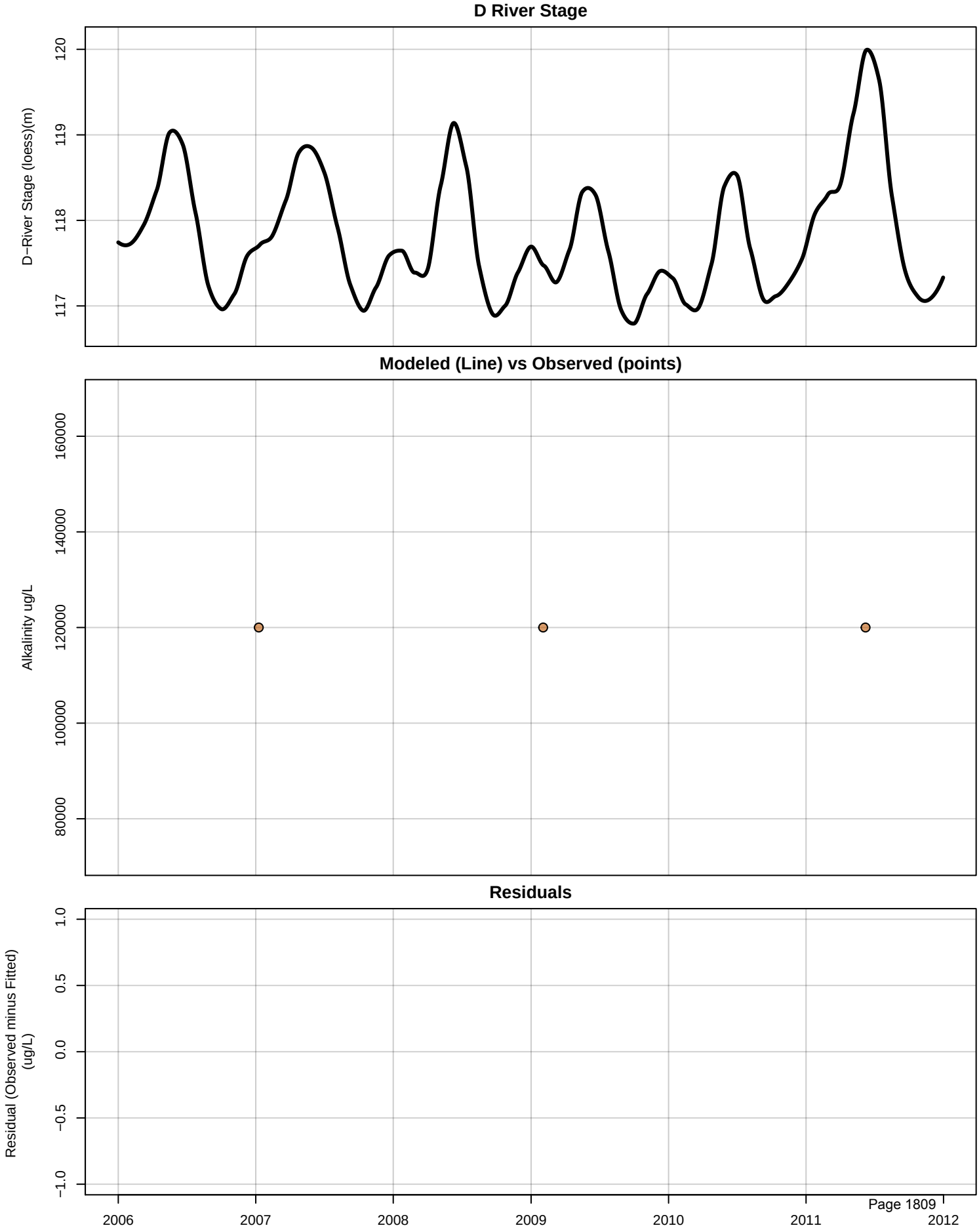
Detect
Non−detect
Pre−Remedy
Post−Remedy



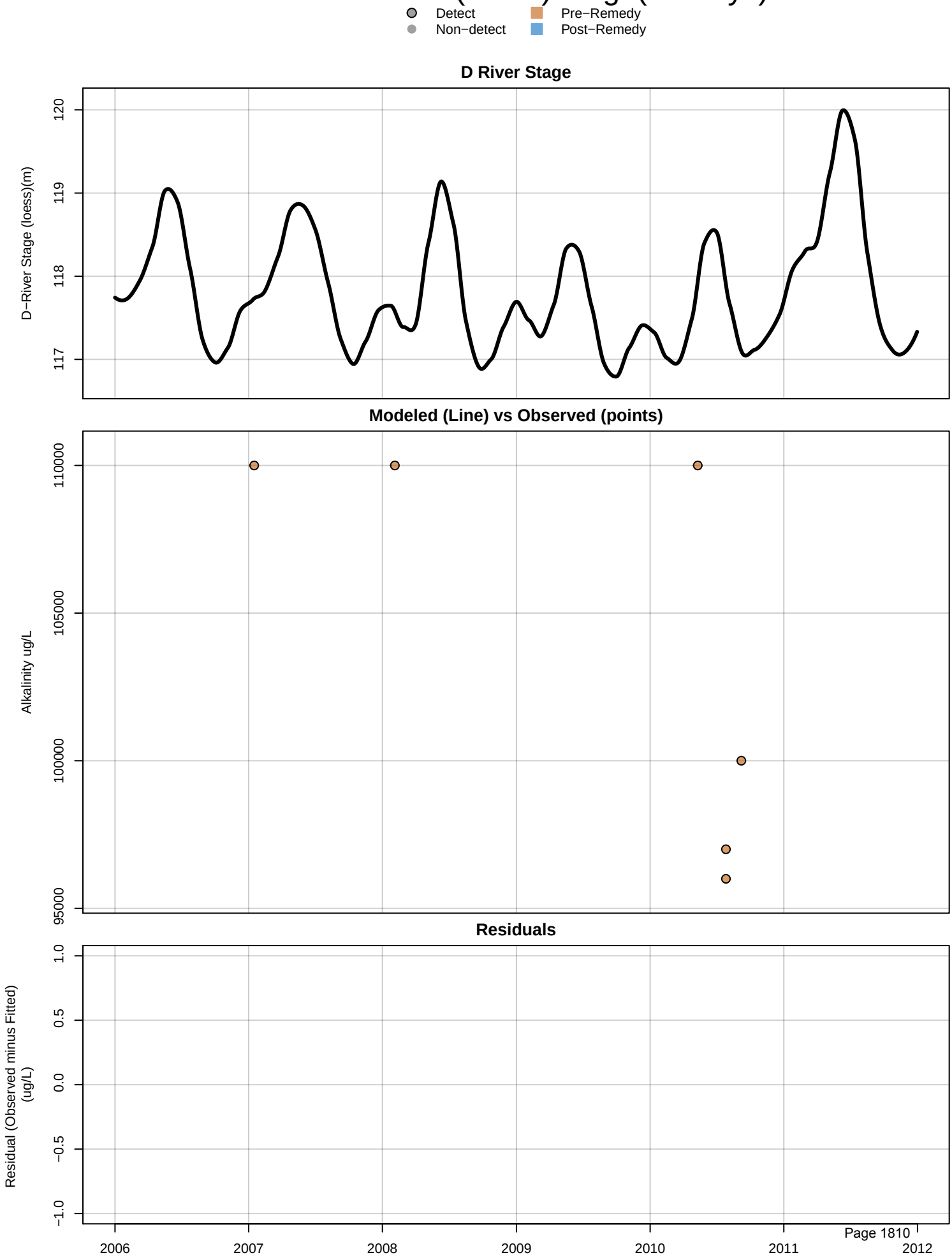
Pearson's R < 0.5

199−B2−12 (70m) Lag (Indeterminate)

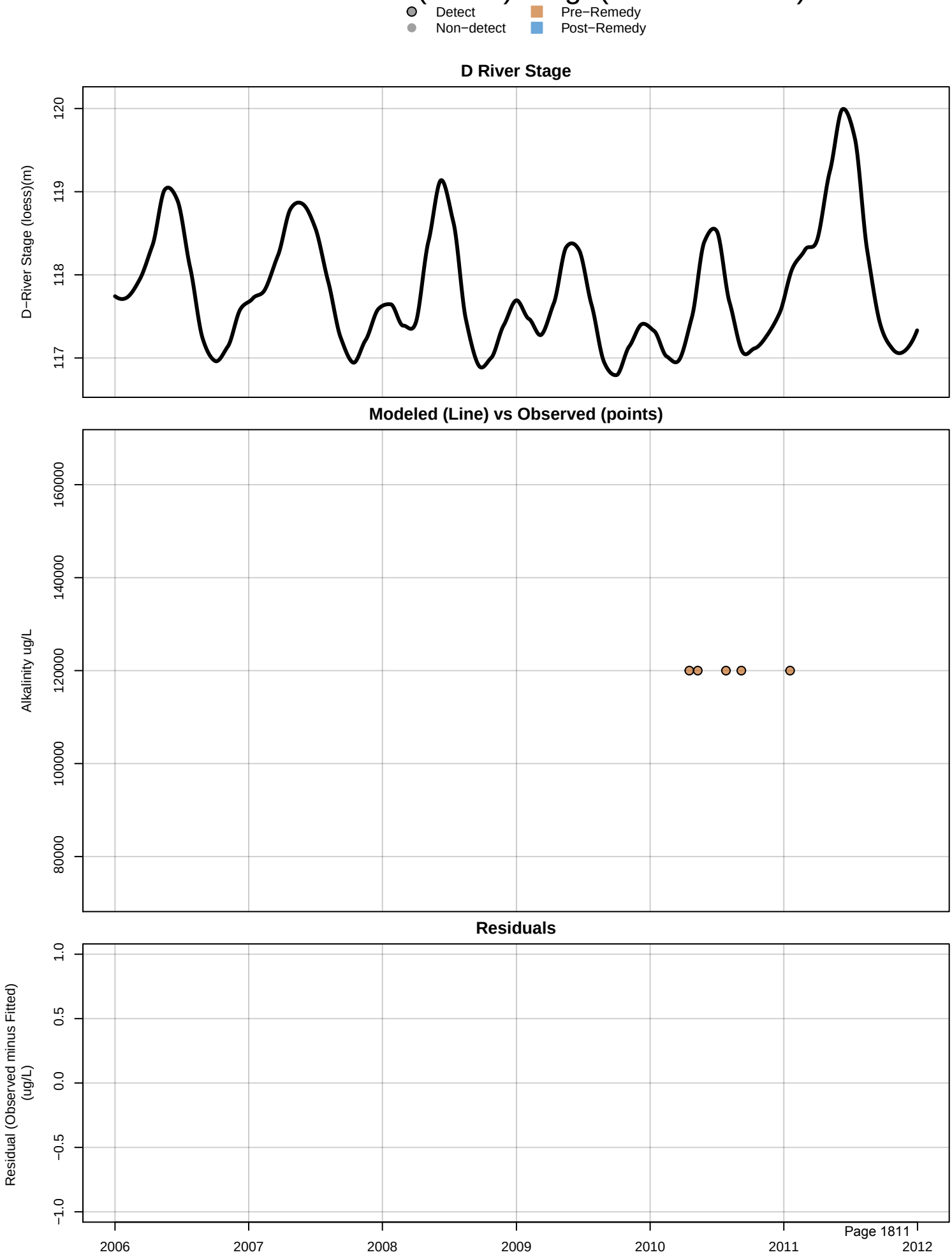
Detect
Non−detect
Pre−Remedy
Post−Remedy



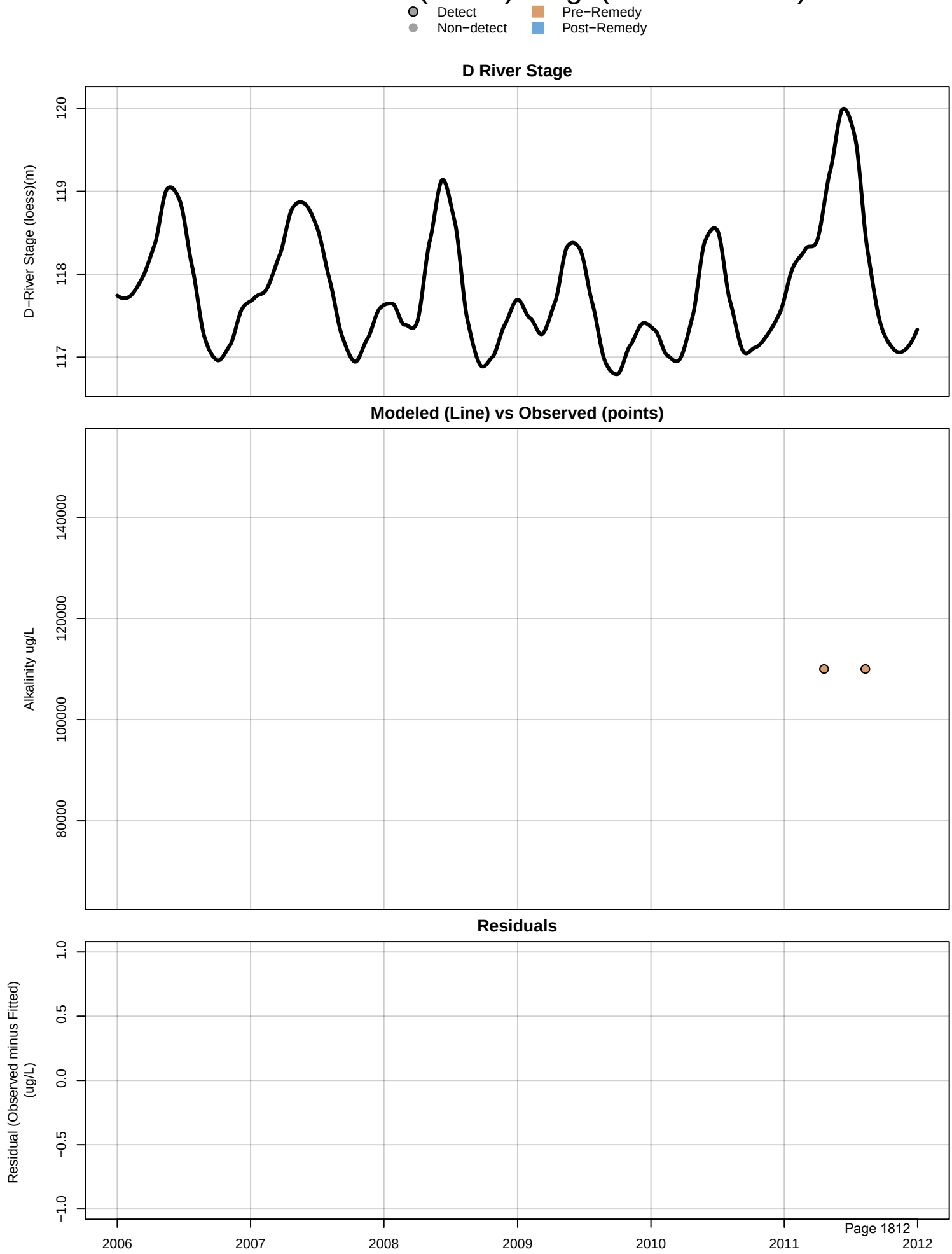
199−B2−13 (109m) Lag (14 Days)



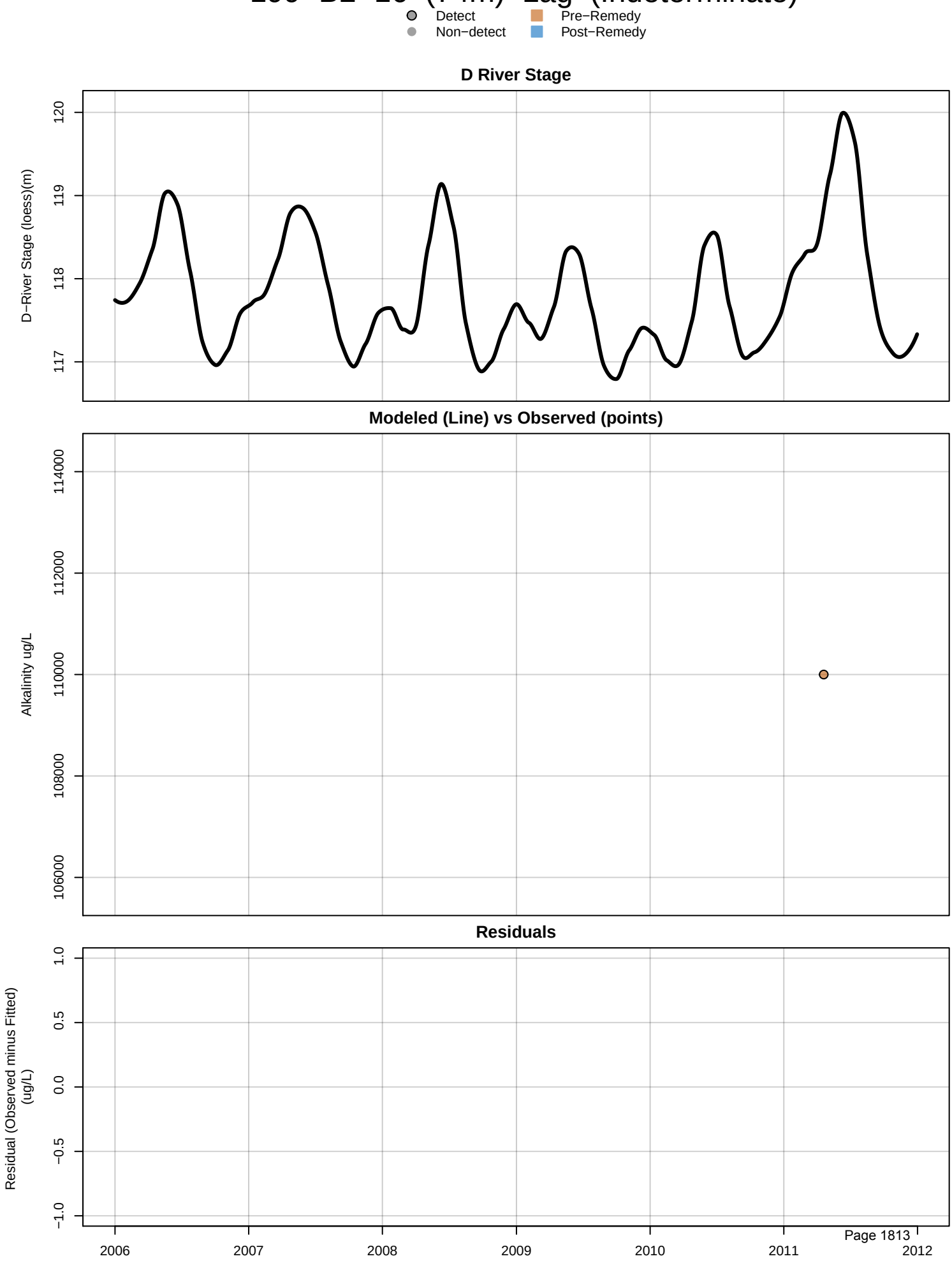
199−B2−14 (137m) Lag (Indeterminate)



199−B2−15 (137m) Lag (Indeterminate)

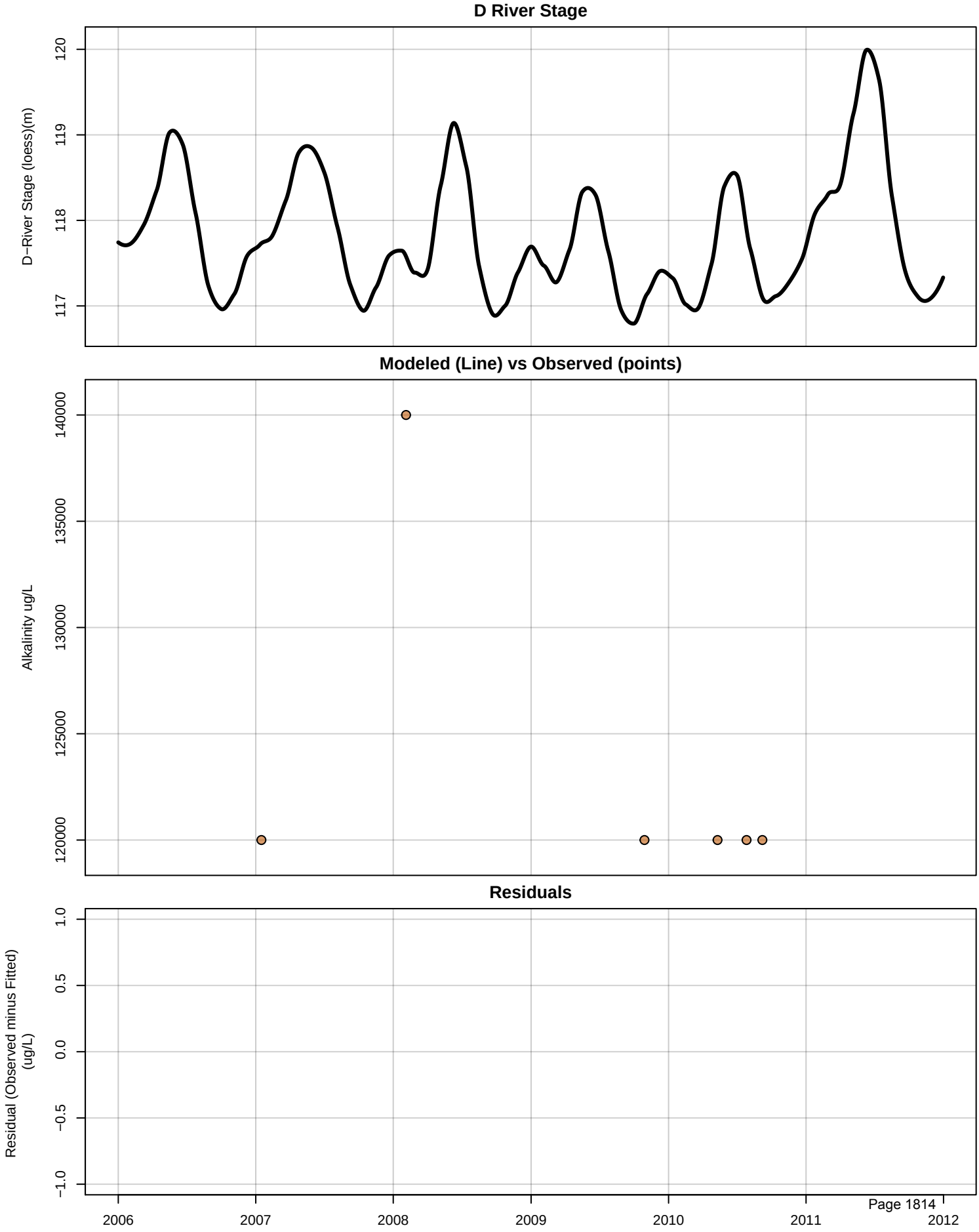


199−B2−16 (74m) Lag (Indeterminate)



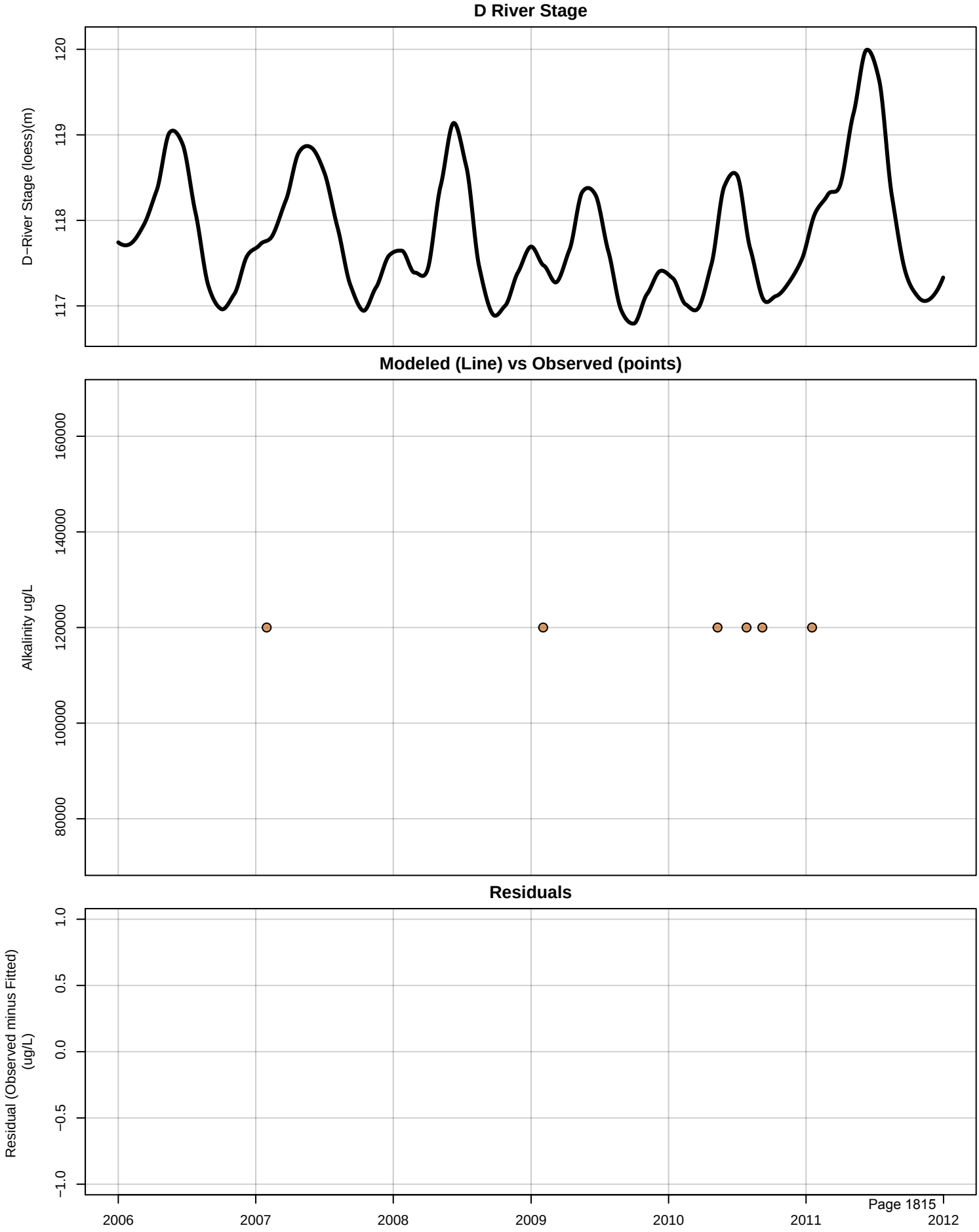
199−B3−1 (132m) Lag (13 Days)

Detect
Non−detect
Pre−Remedy
Post−Remedy



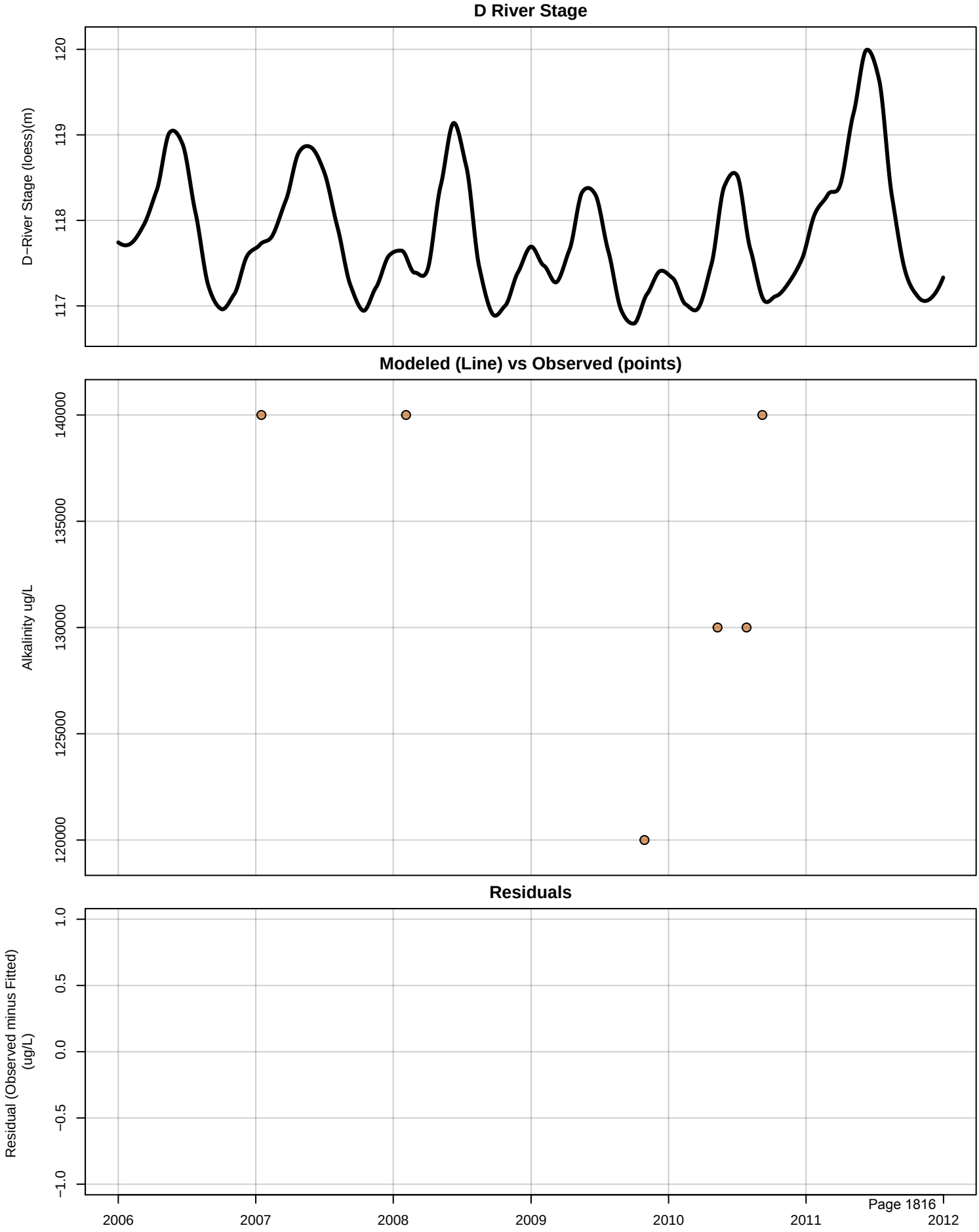
199−B3−46 (210m) Lag (11 Days)

Detect
Non−detect
Pre−Remedy
Post−Remedy

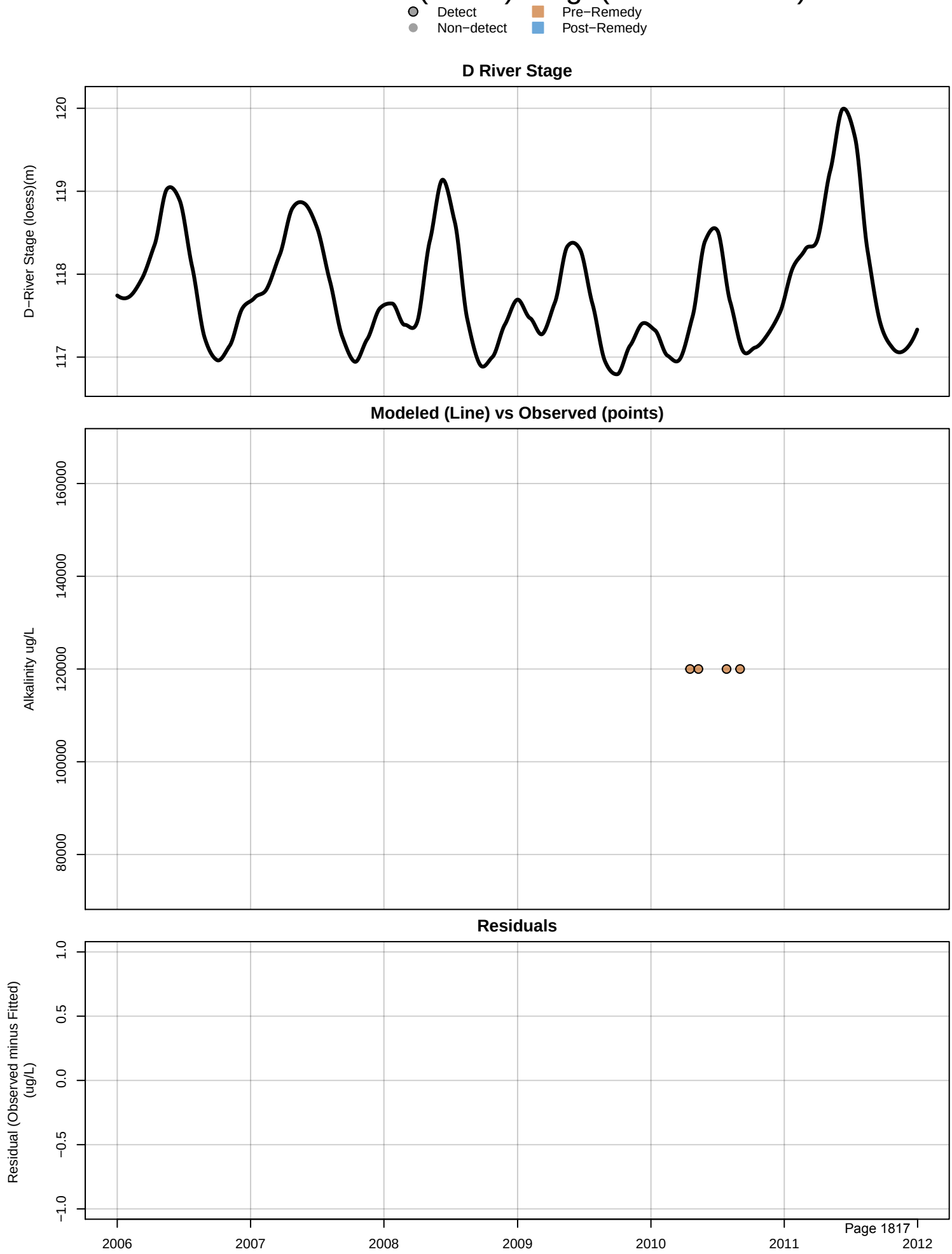


199−B3−47 (71m) Lag (6 Days)

Detect
Non−detect
Pre−Remedy
Post−Remedy

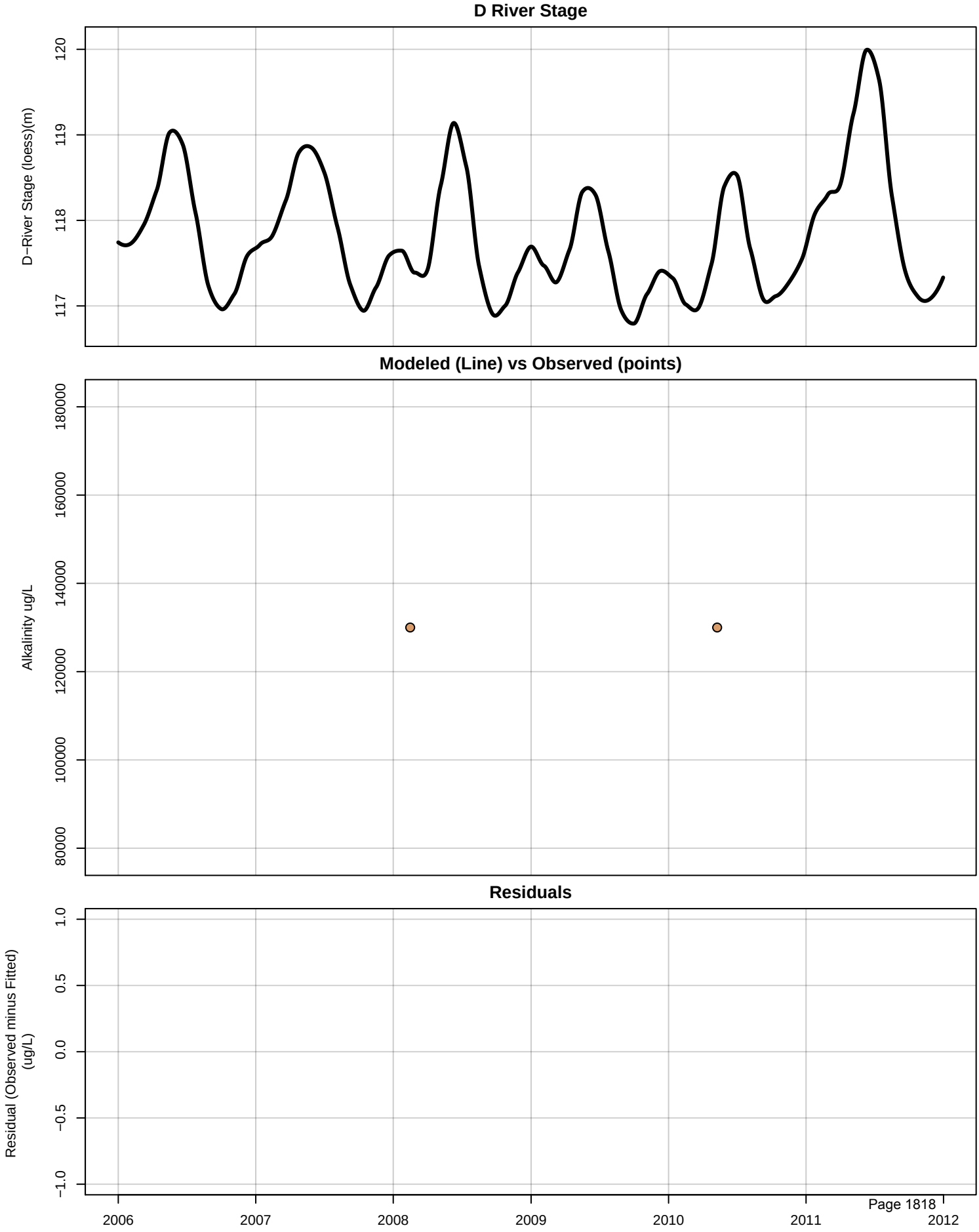


199−B3−50 (545m) Lag (Indeterminate)

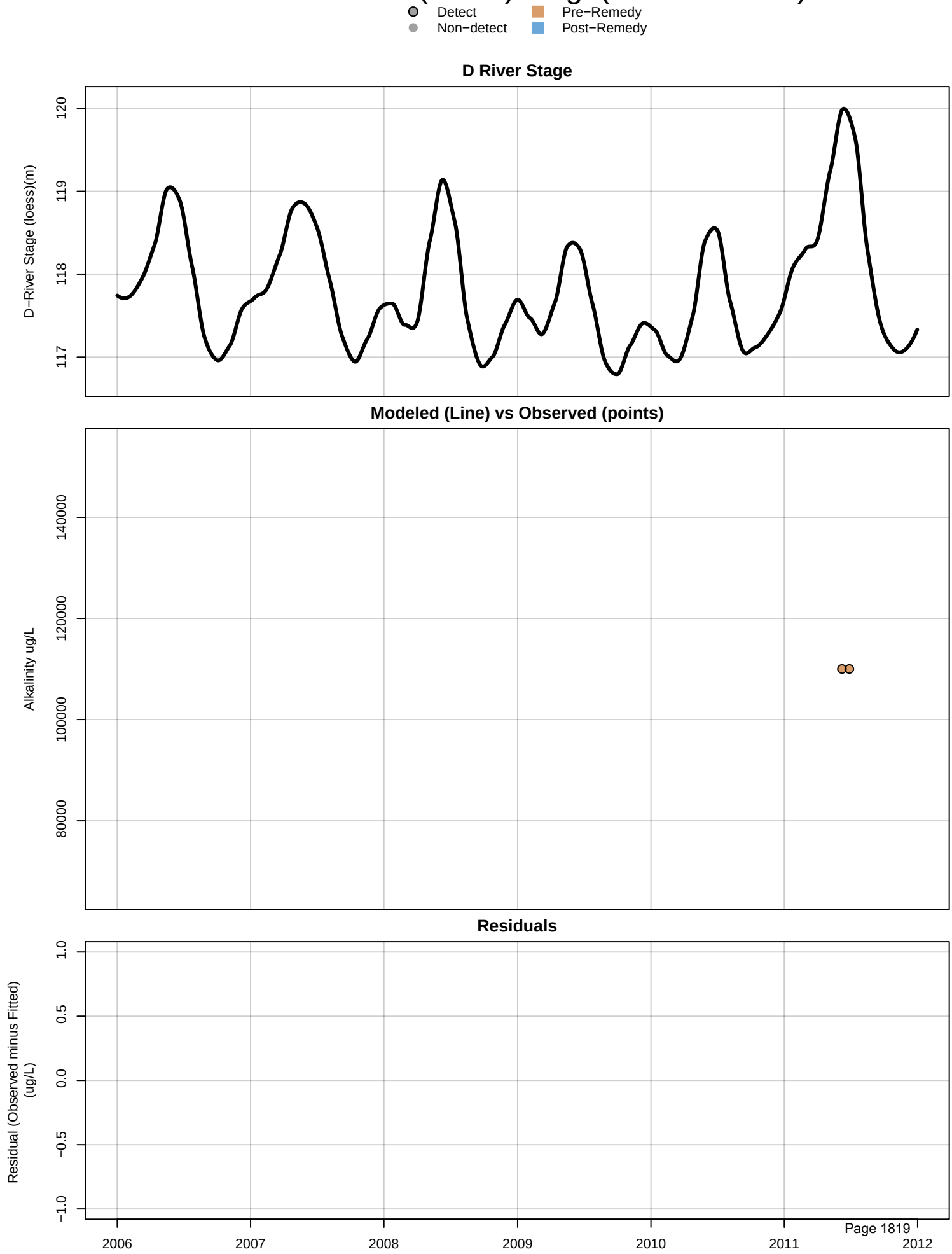


199−B4−1 (604m) Lag (48 Days)

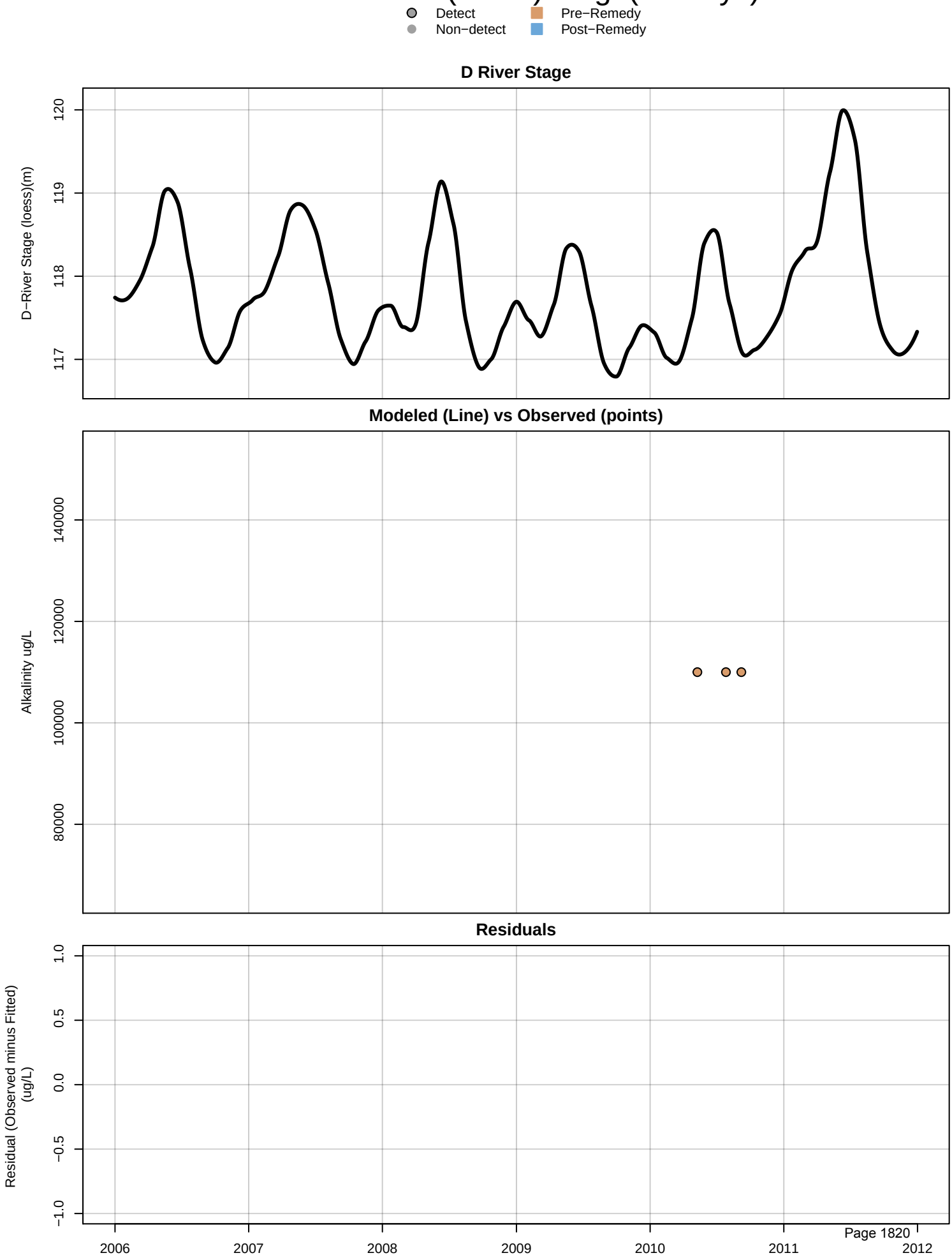
Detect
Non−detect
Pre−Remedy
Post−Remedy



199−B4−14 (935m) Lag (Indeterminate)

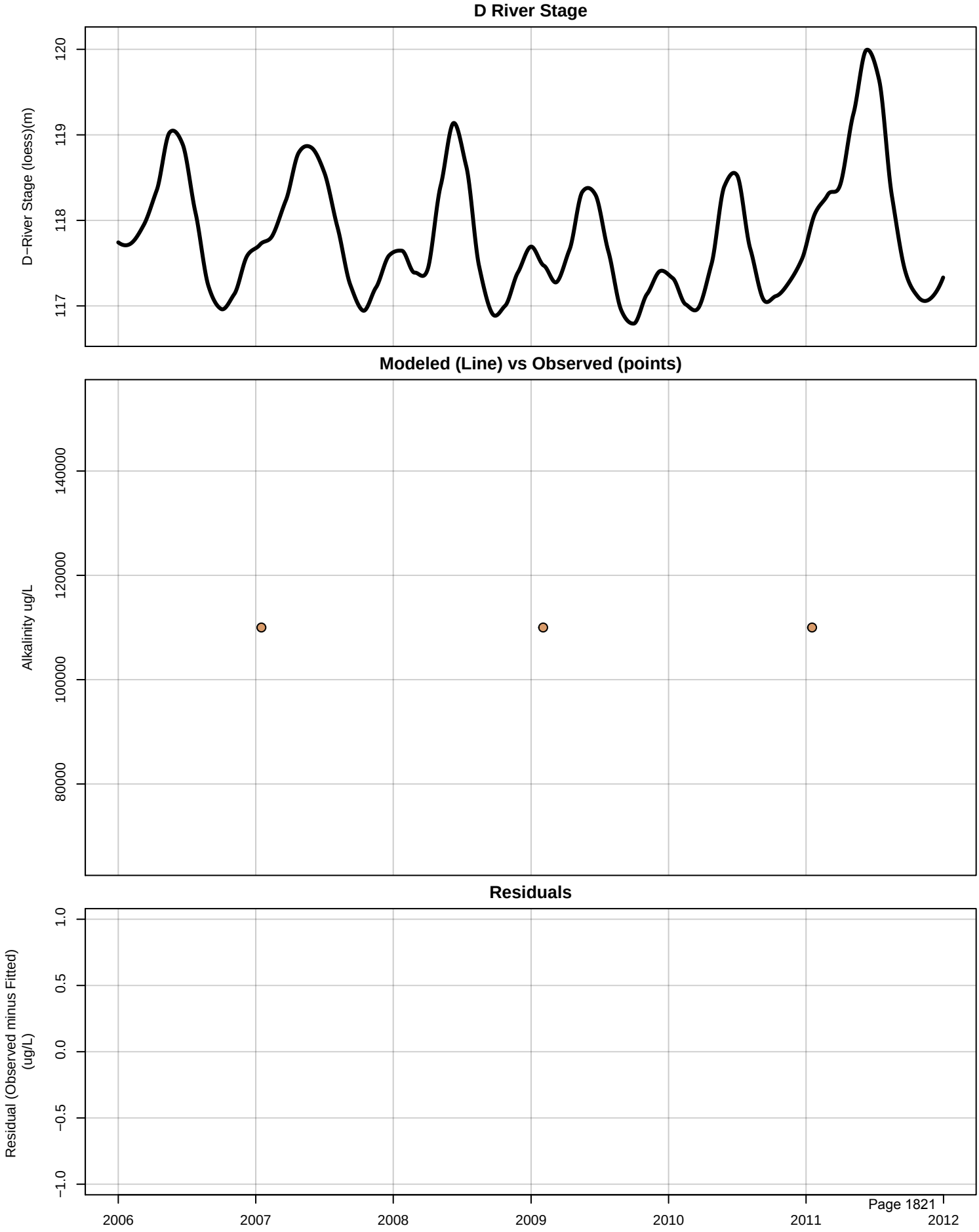


199−B4−4 (920m) Lag (40 Days)



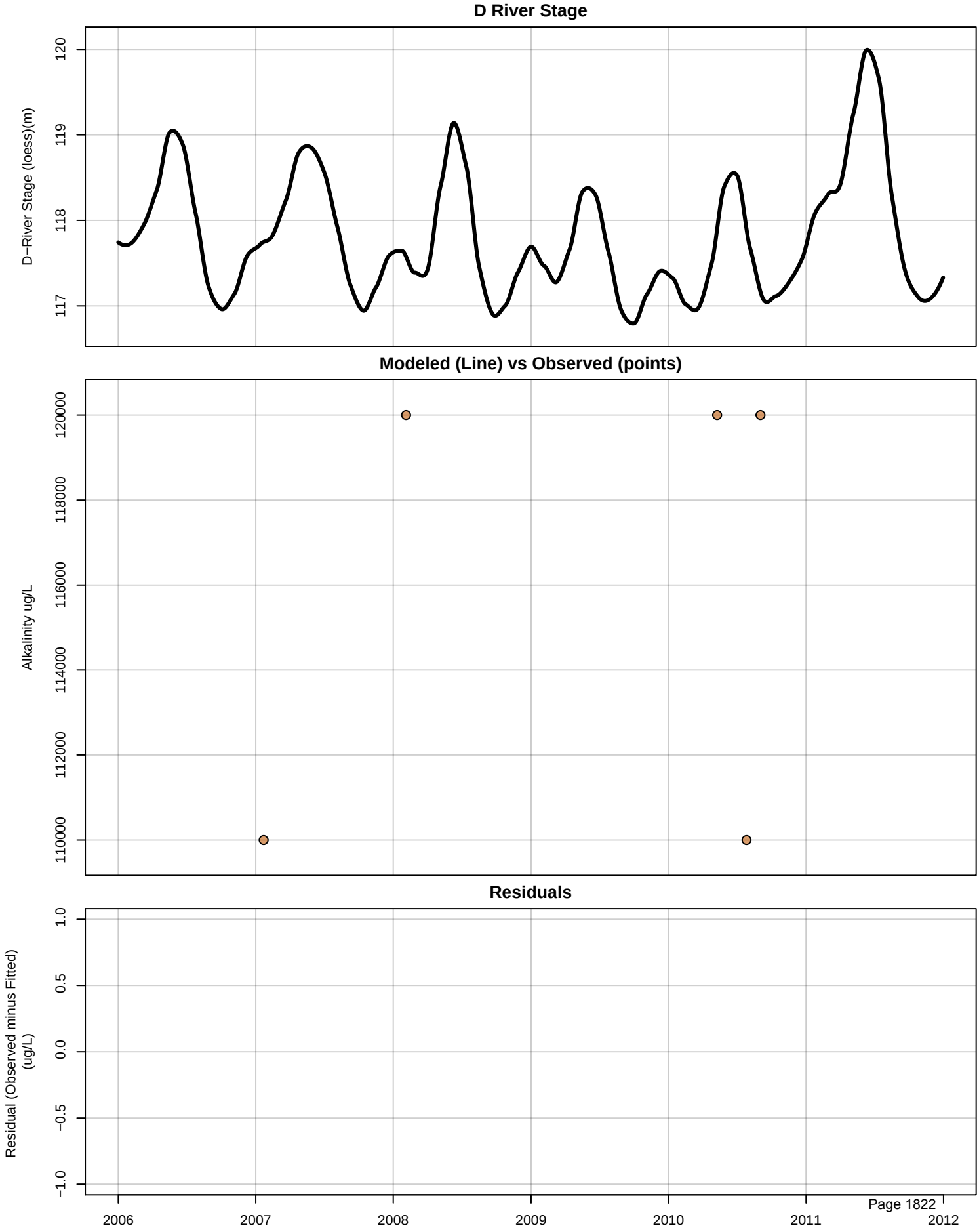
199−B4−7 (1013m) Lag (19 Days)

Detect
Non−detect
Pre−Remedy
Post−Remedy

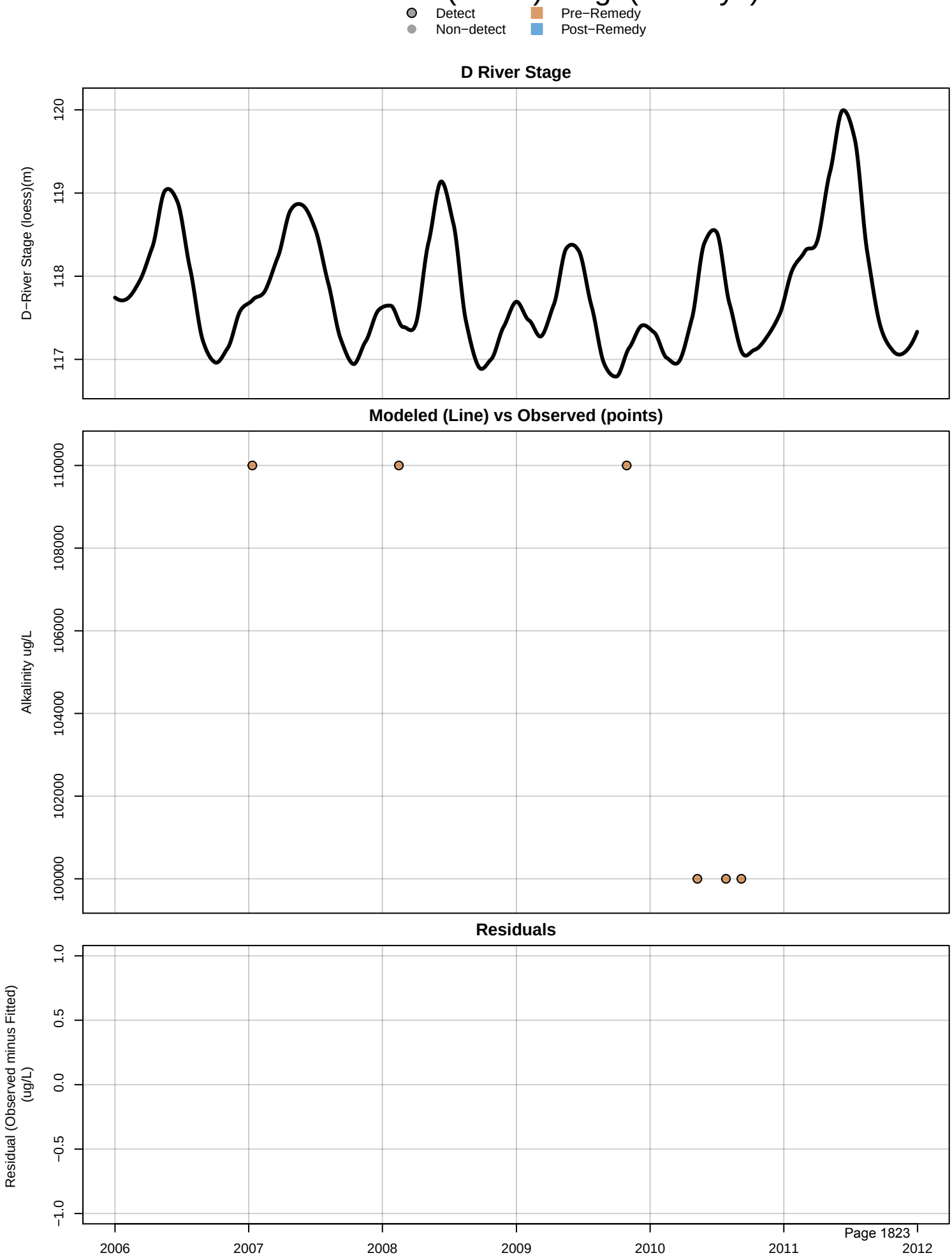


199−B4−8 (804m) Lag (Indeterminate)

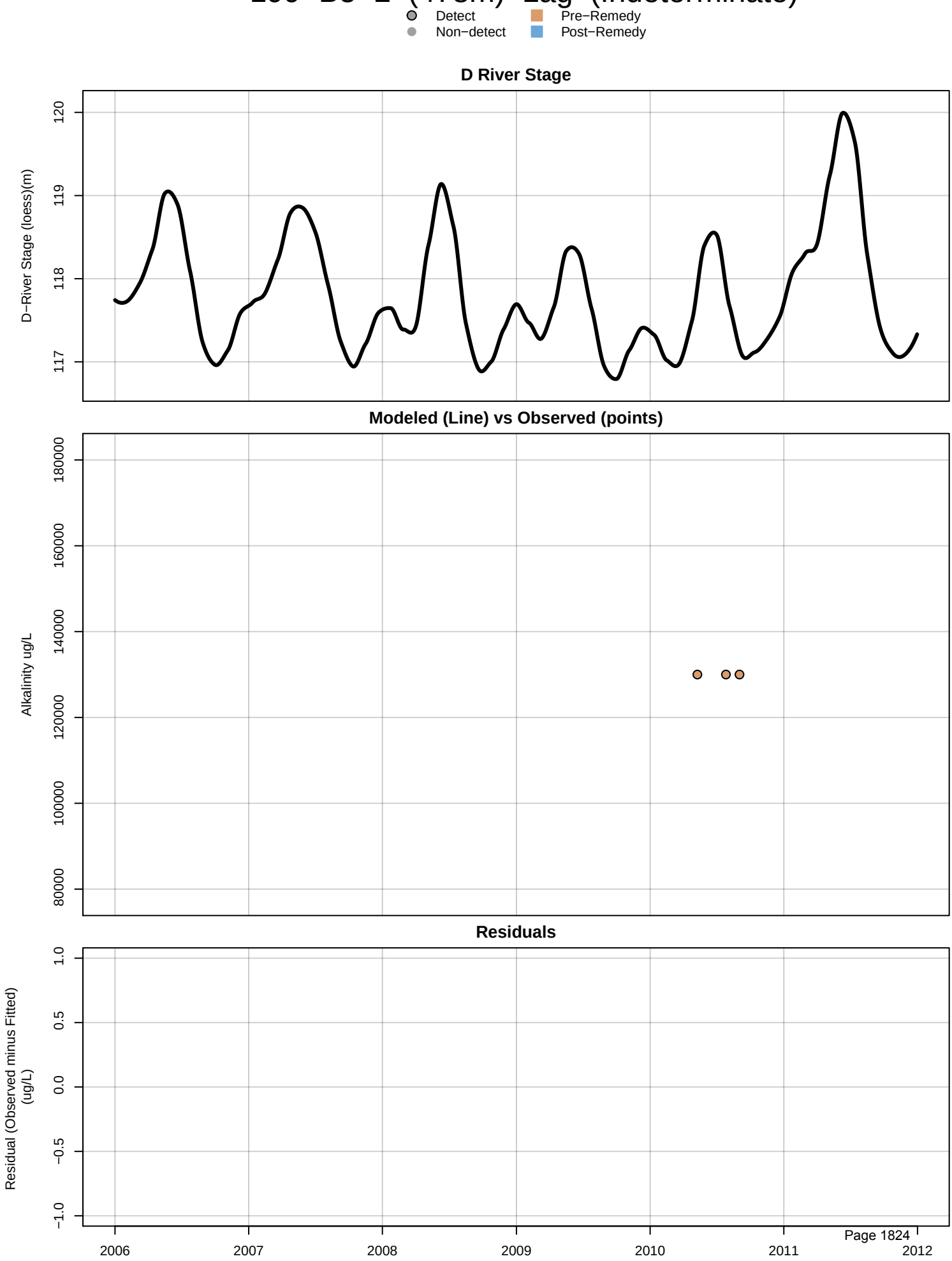
Detect
Non−detect
Pre−Remedy
Post−Remedy



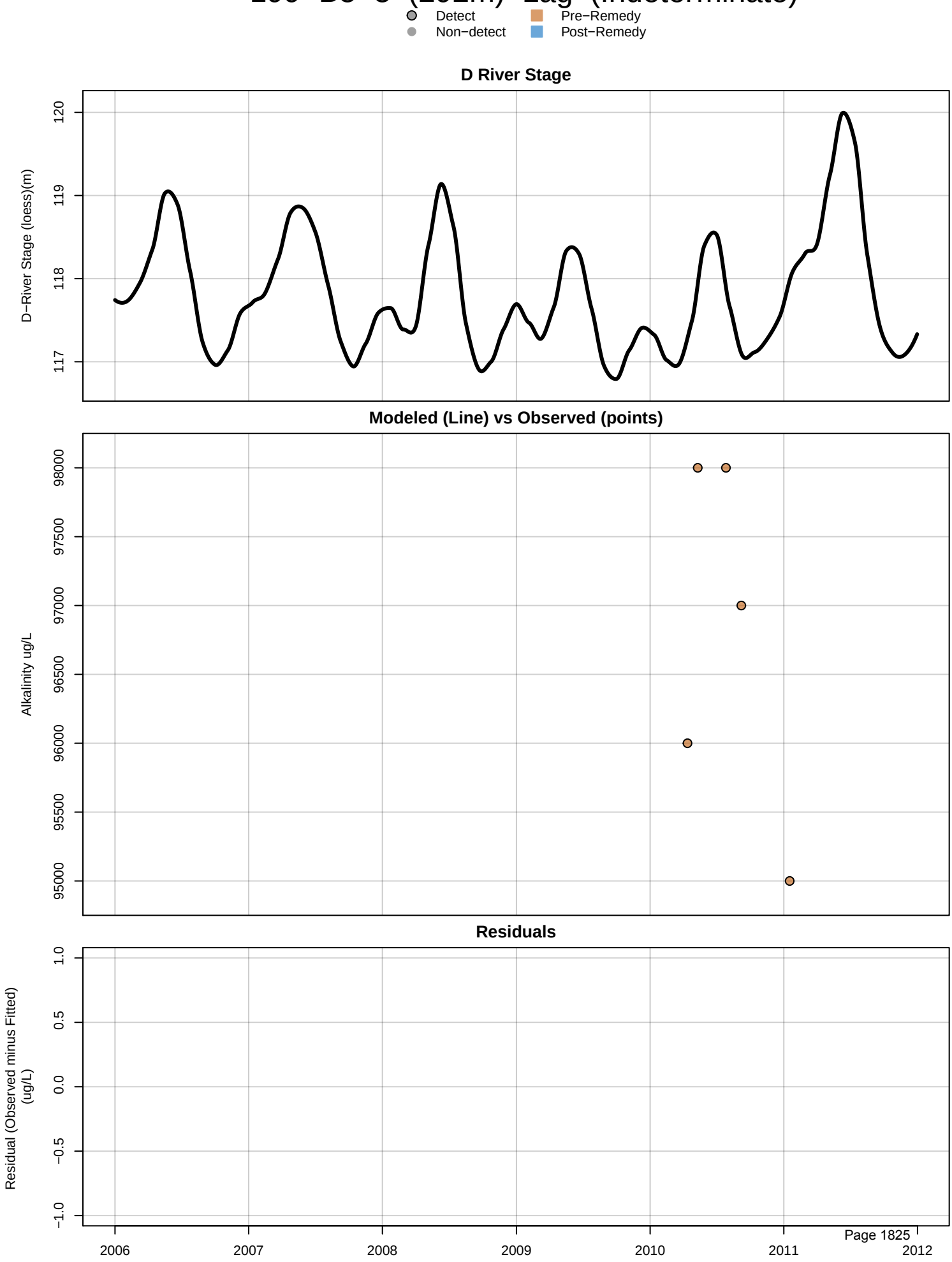
199−B5−1 (478m) Lag (30 Days)



199−B5−2 (478m) Lag (Indeterminate)

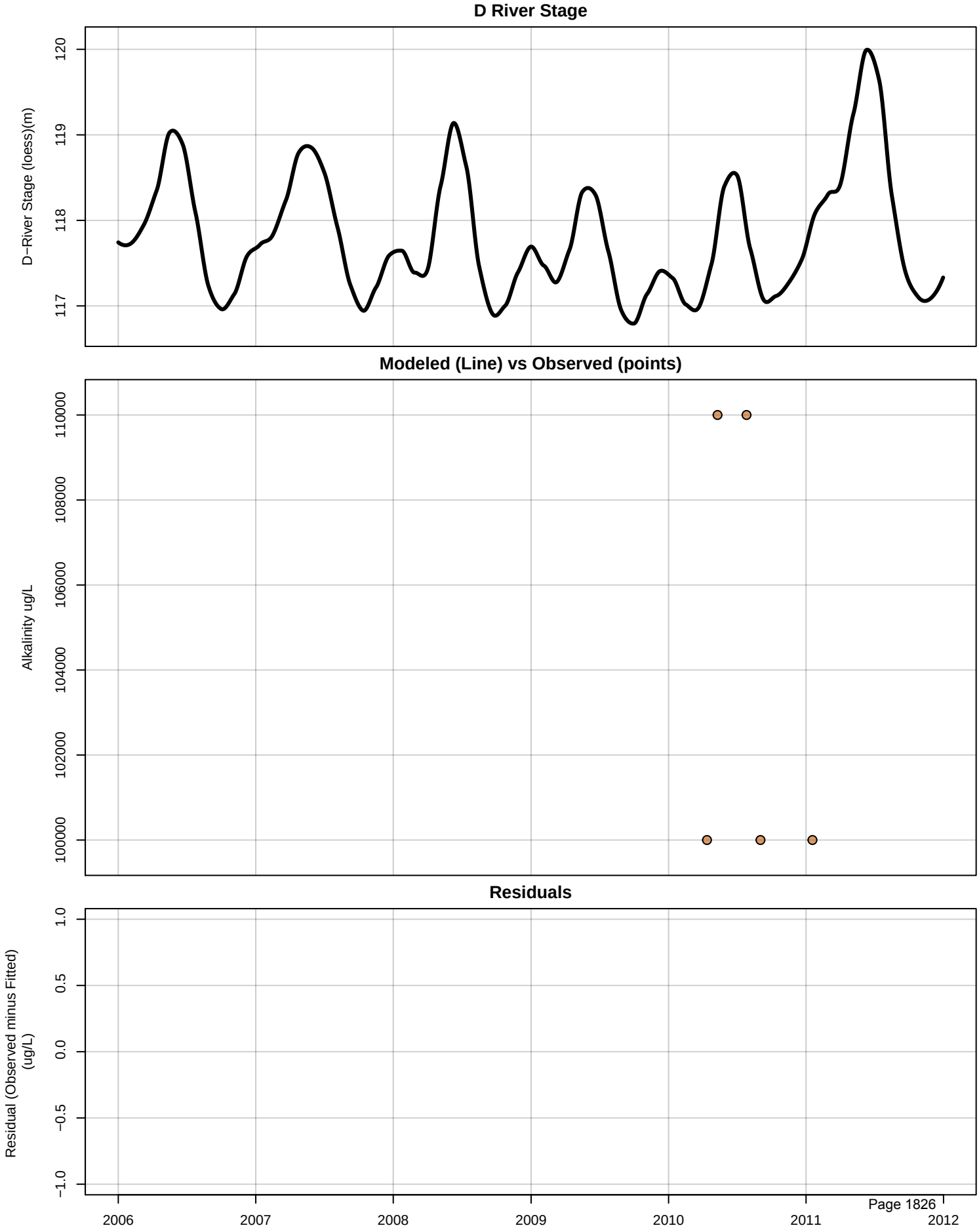


199−B5−5 (292m) Lag (Indeterminate)

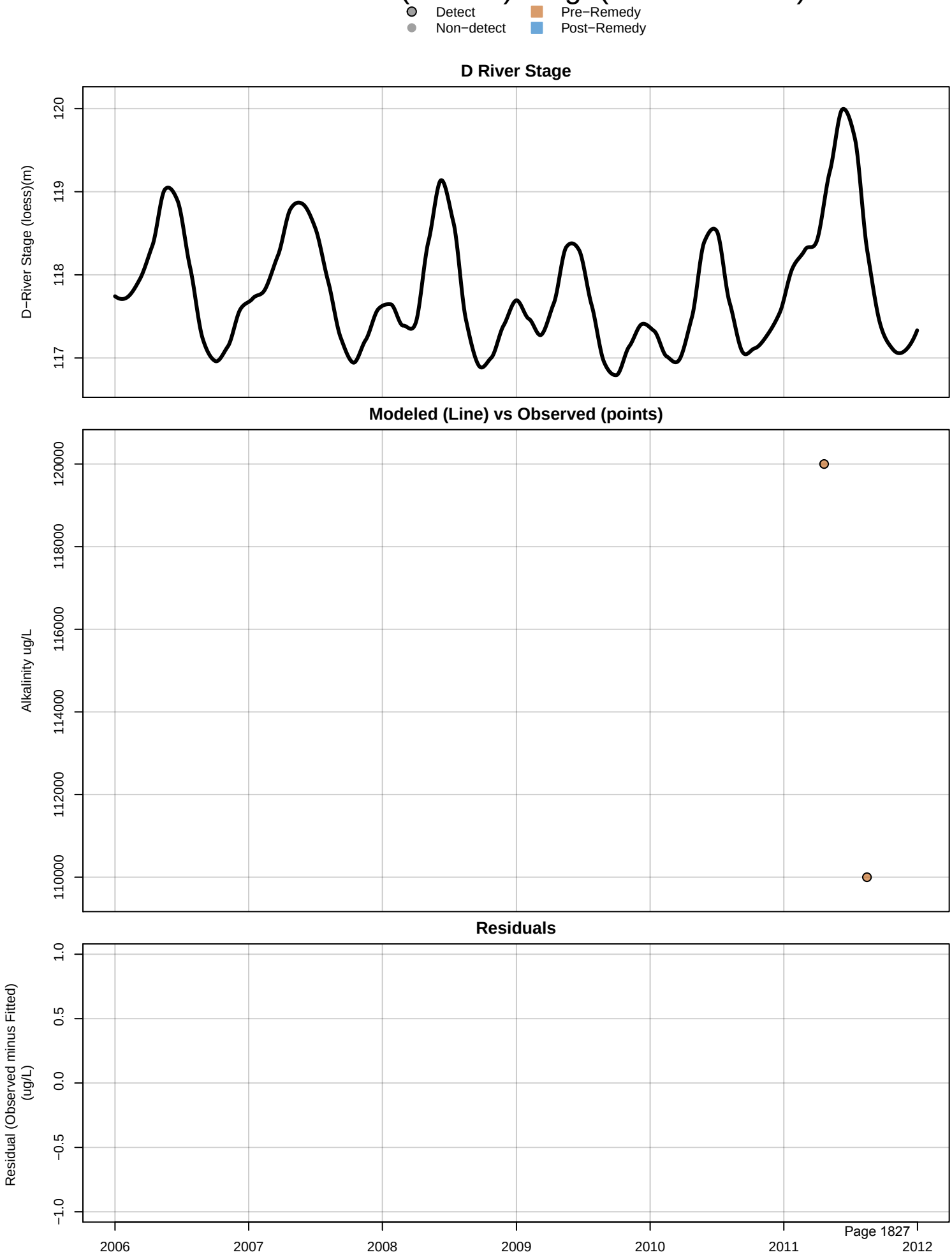


199−B5−6 (933m) Lag (Indeterminate)

Detect
Non−detect
Pre−Remedy
Post−Remedy

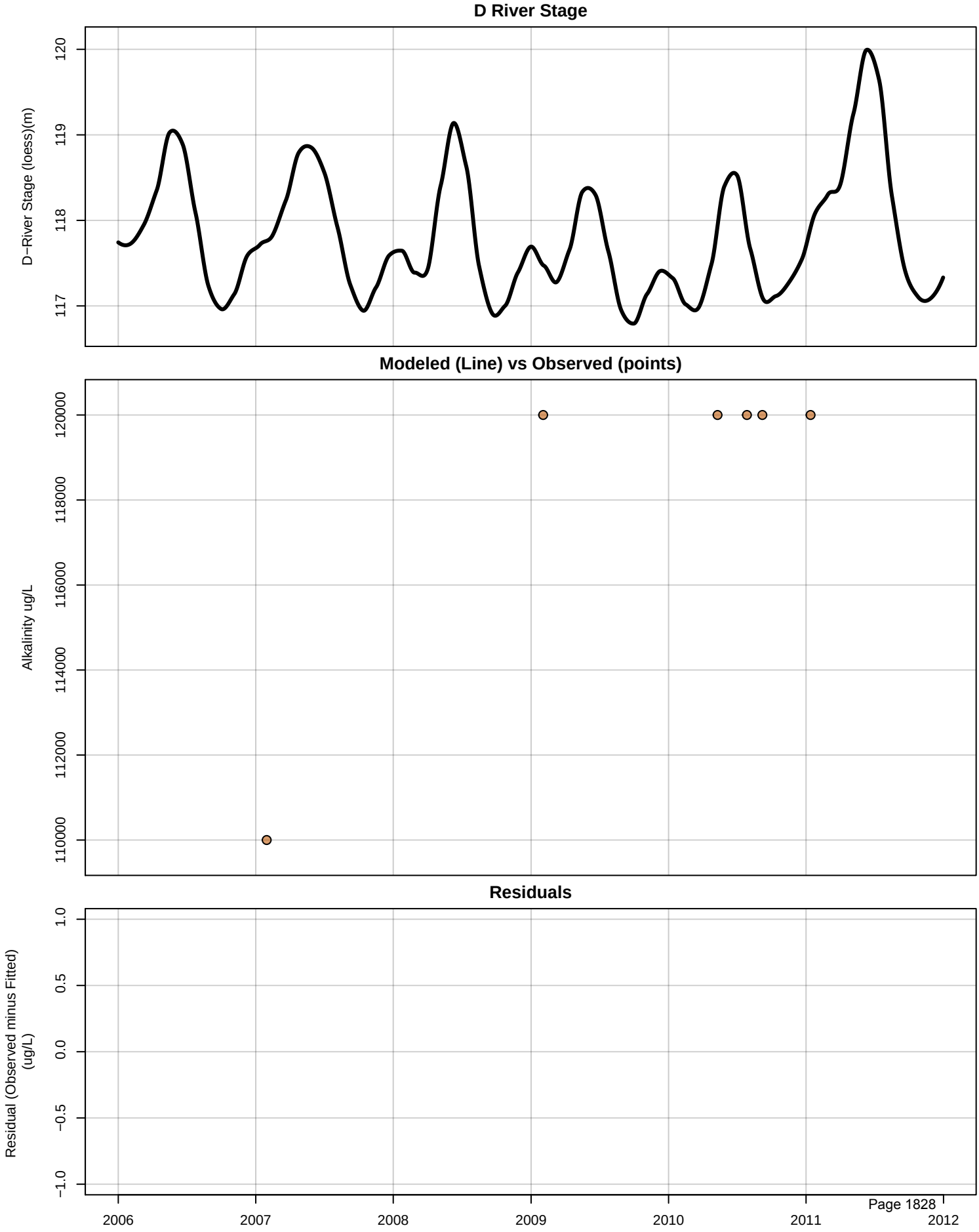


199−B5−8 (1941m) Lag (Indeterminate)



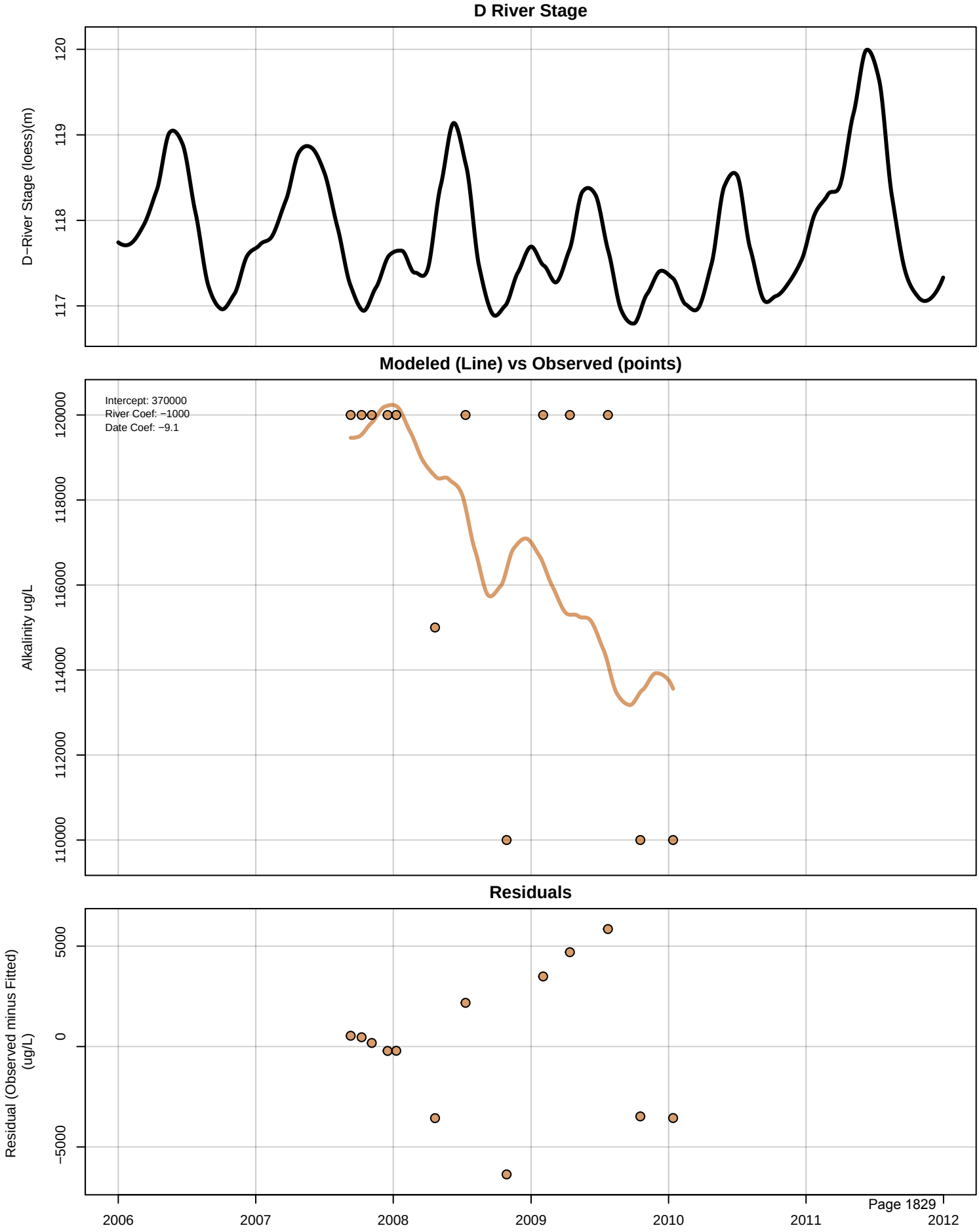
199−B8−6 (1117m) Lag (41 Days)

Detect
Non−detect
Pre−Remedy
Post−Remedy



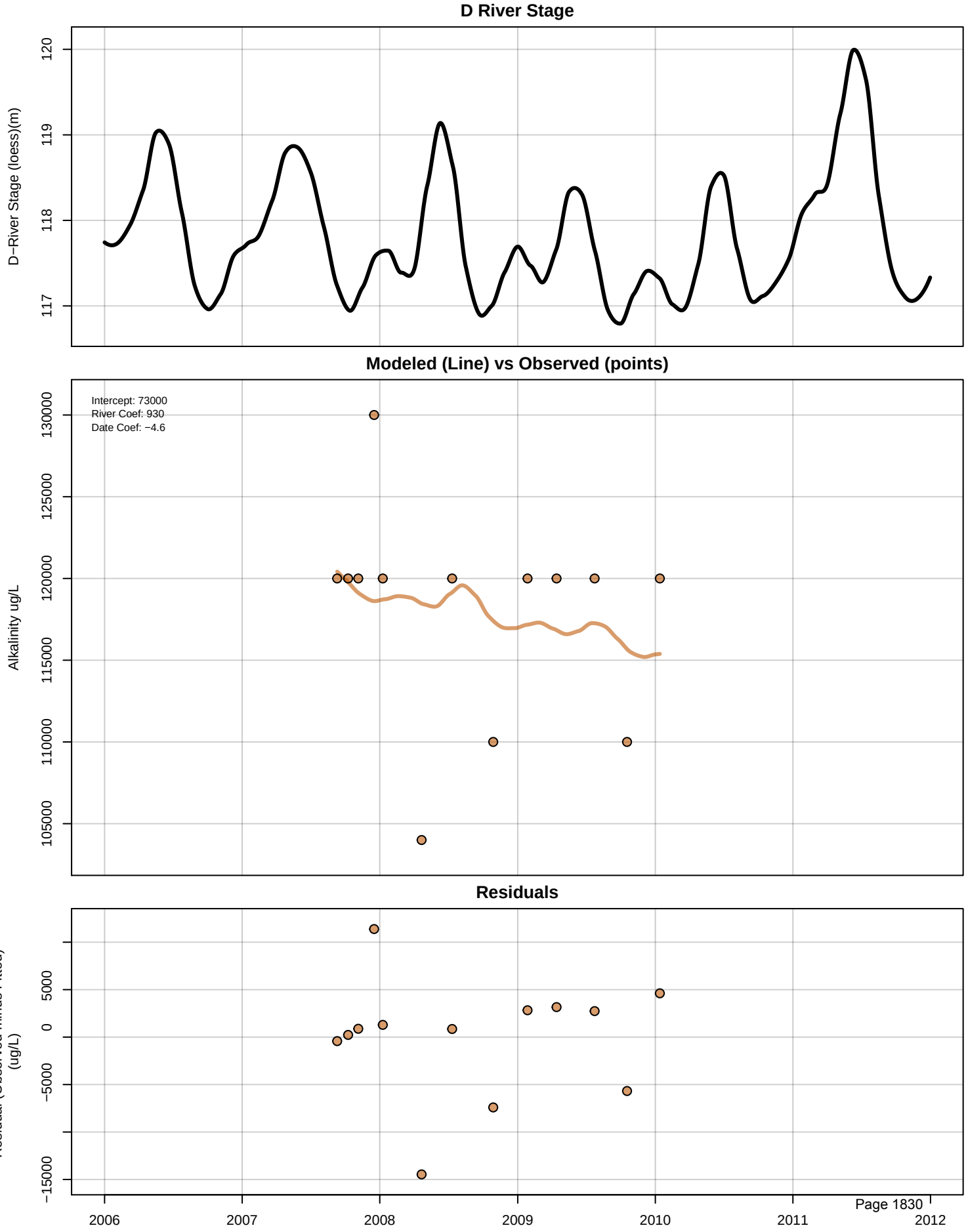
199−B8−7 (1193m) Lag (91 Days)

Detect
Non−detect
Pre−Remedy
Post−Remedy

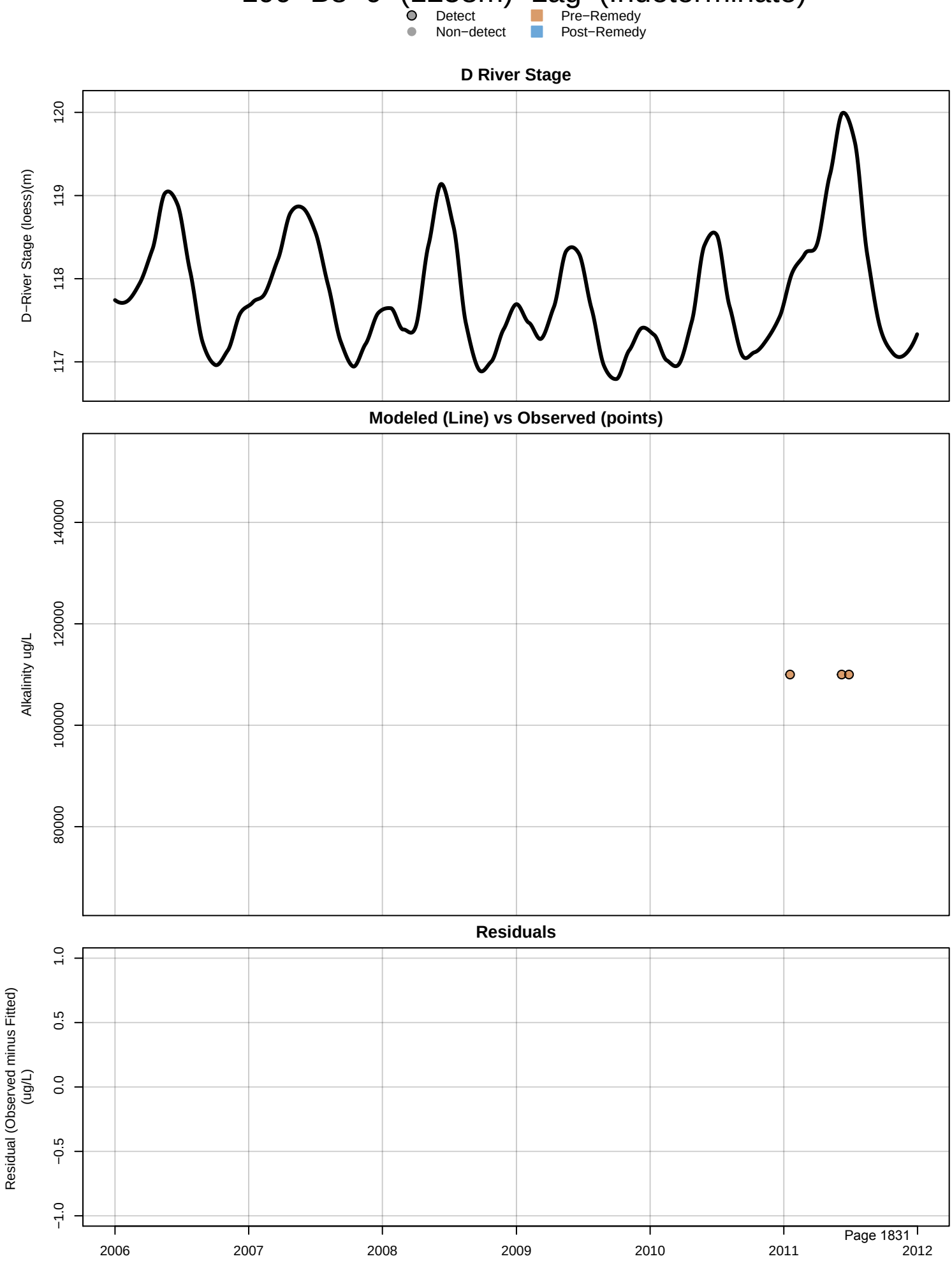


199−B8−8 (1250m) Lag (60 Days)

Detect
Non−detect
Pre−Remedy
Post−Remedy

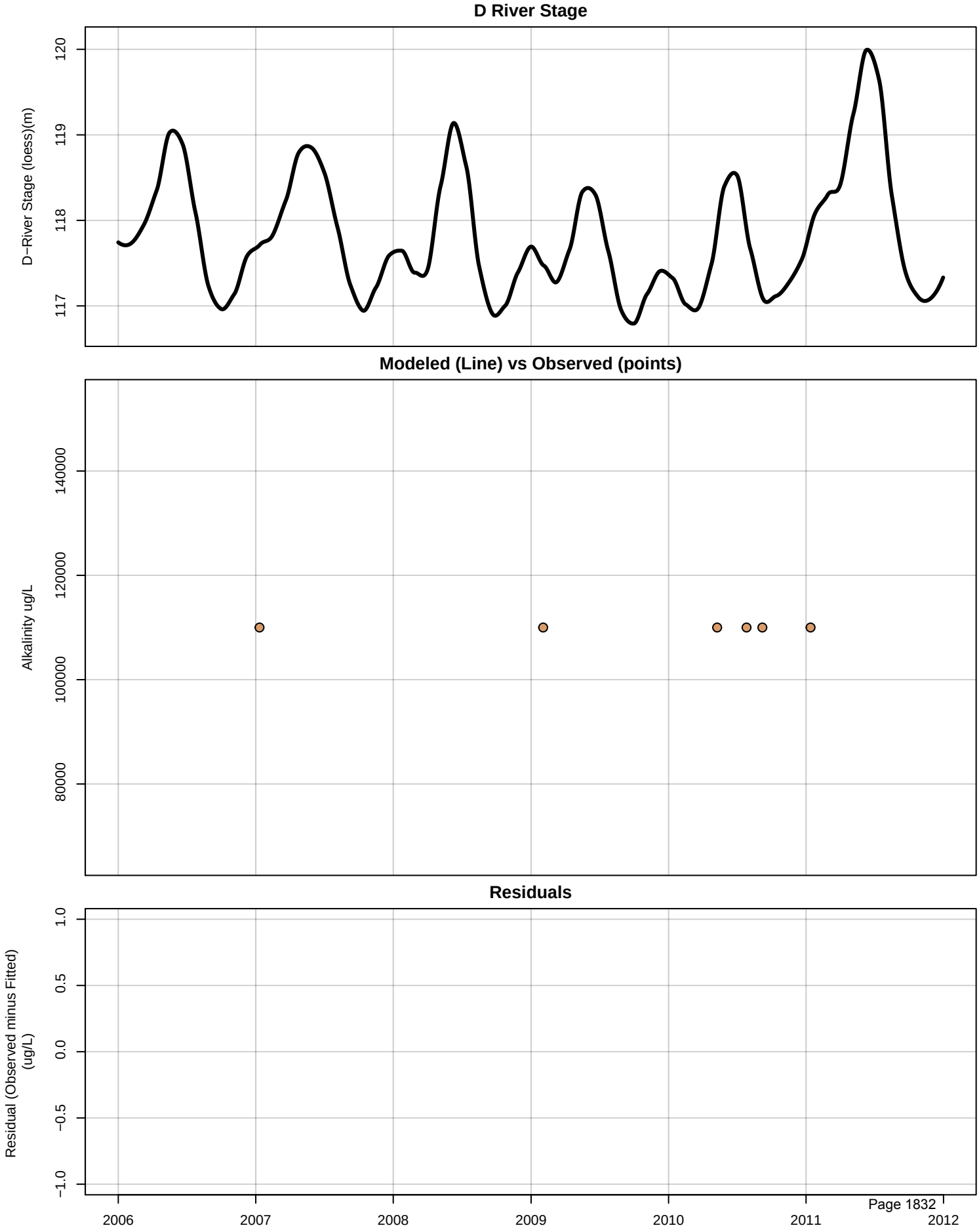


199−B8−9 (1258m) Lag (Indeterminate)

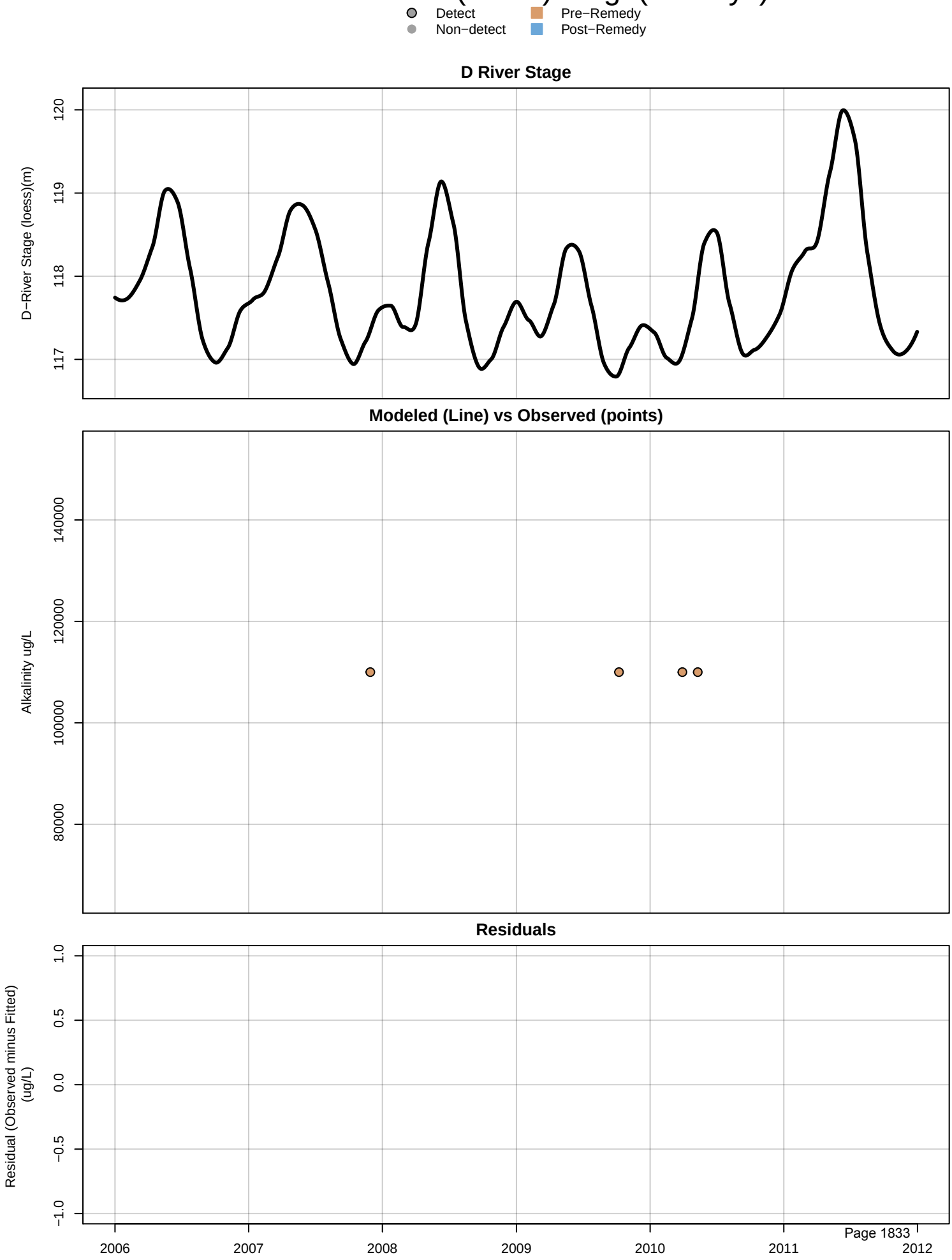


199−B9−3 (1409m) Lag (44 Days)

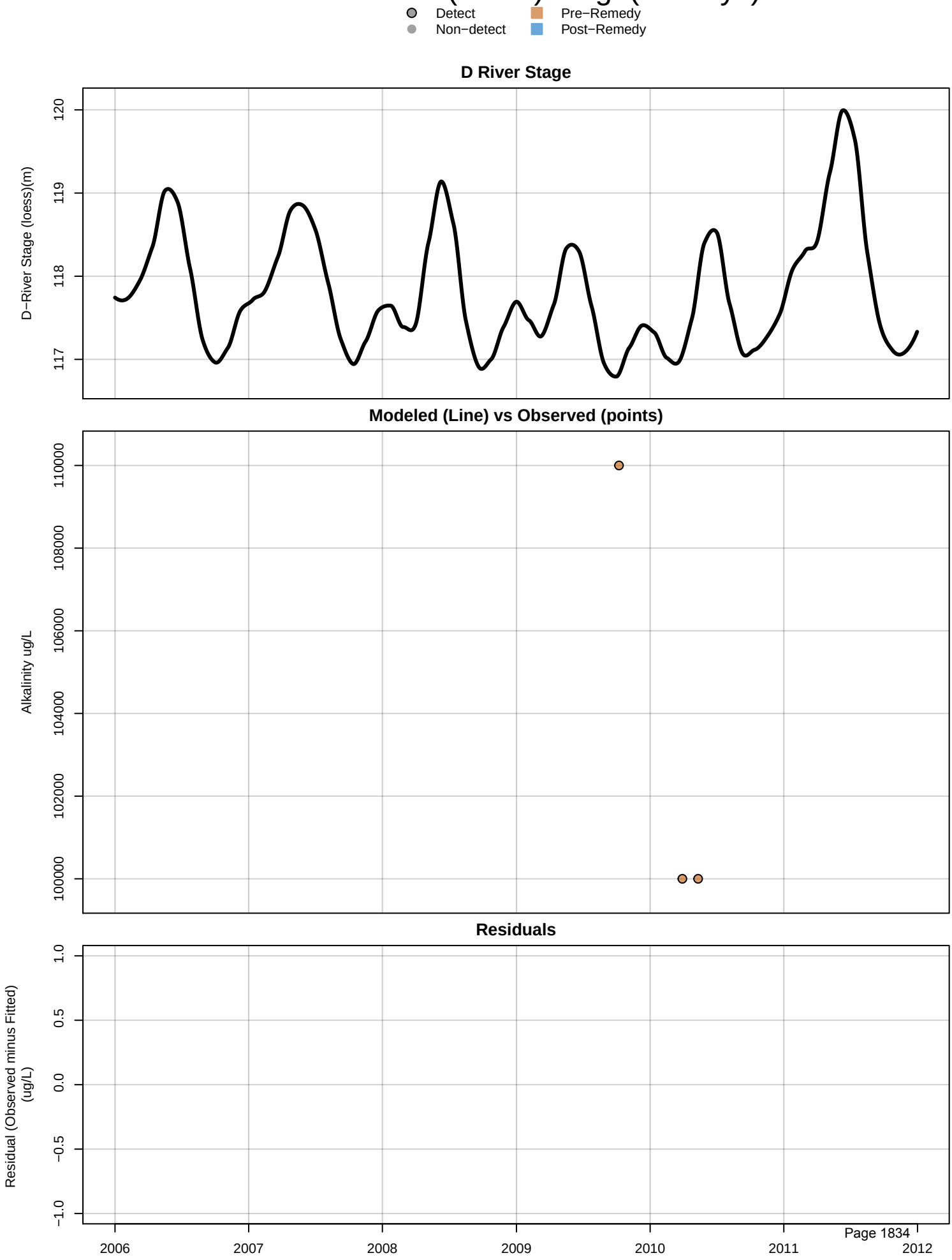
Detect
Non−detect
Pre−Remedy
Post−Remedy



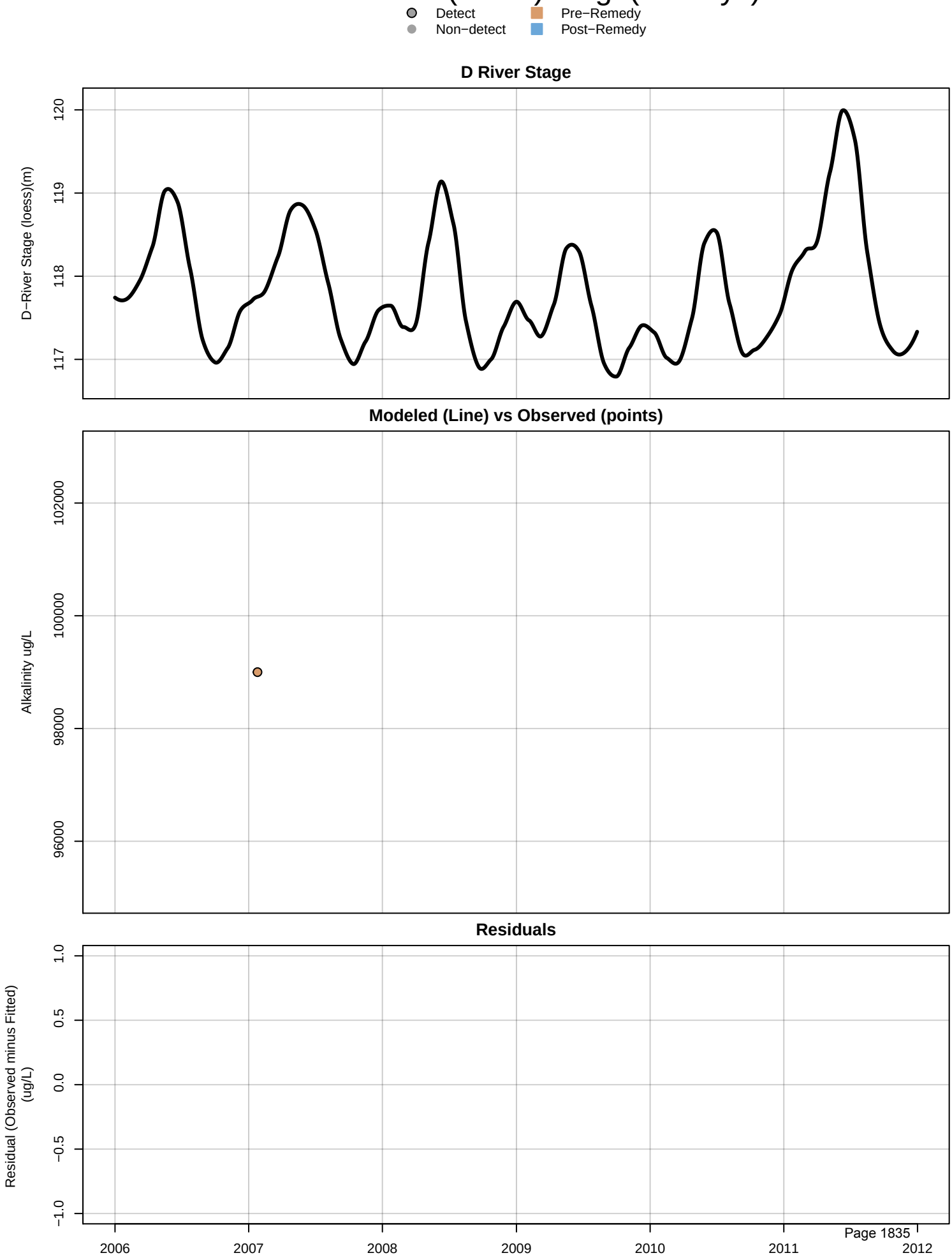
199−D2−11 (822m) Lag (70 Days)



199−D2−6 (614m) Lag (43 Days)

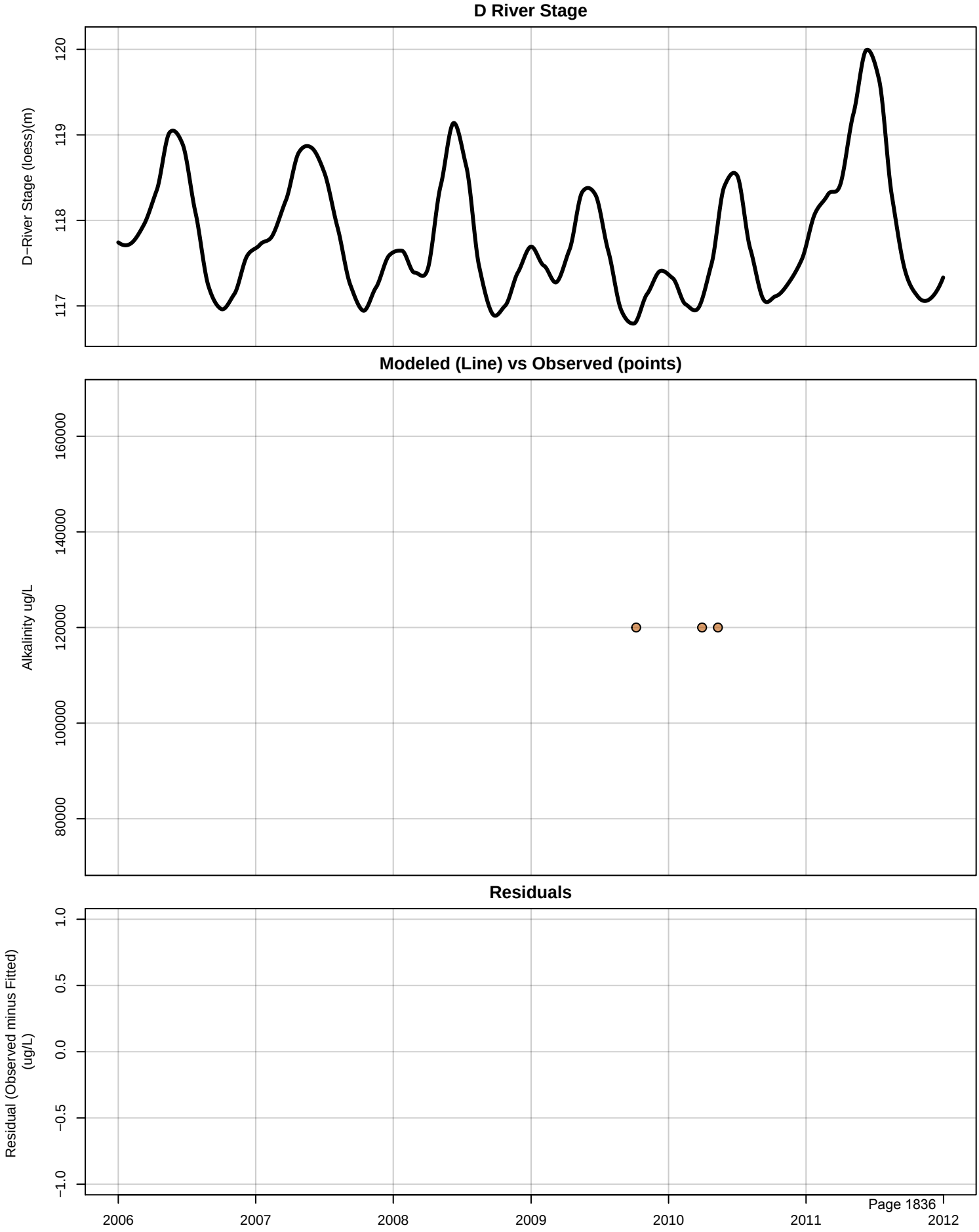


199−D2−8 (713m) Lag (71 Days)



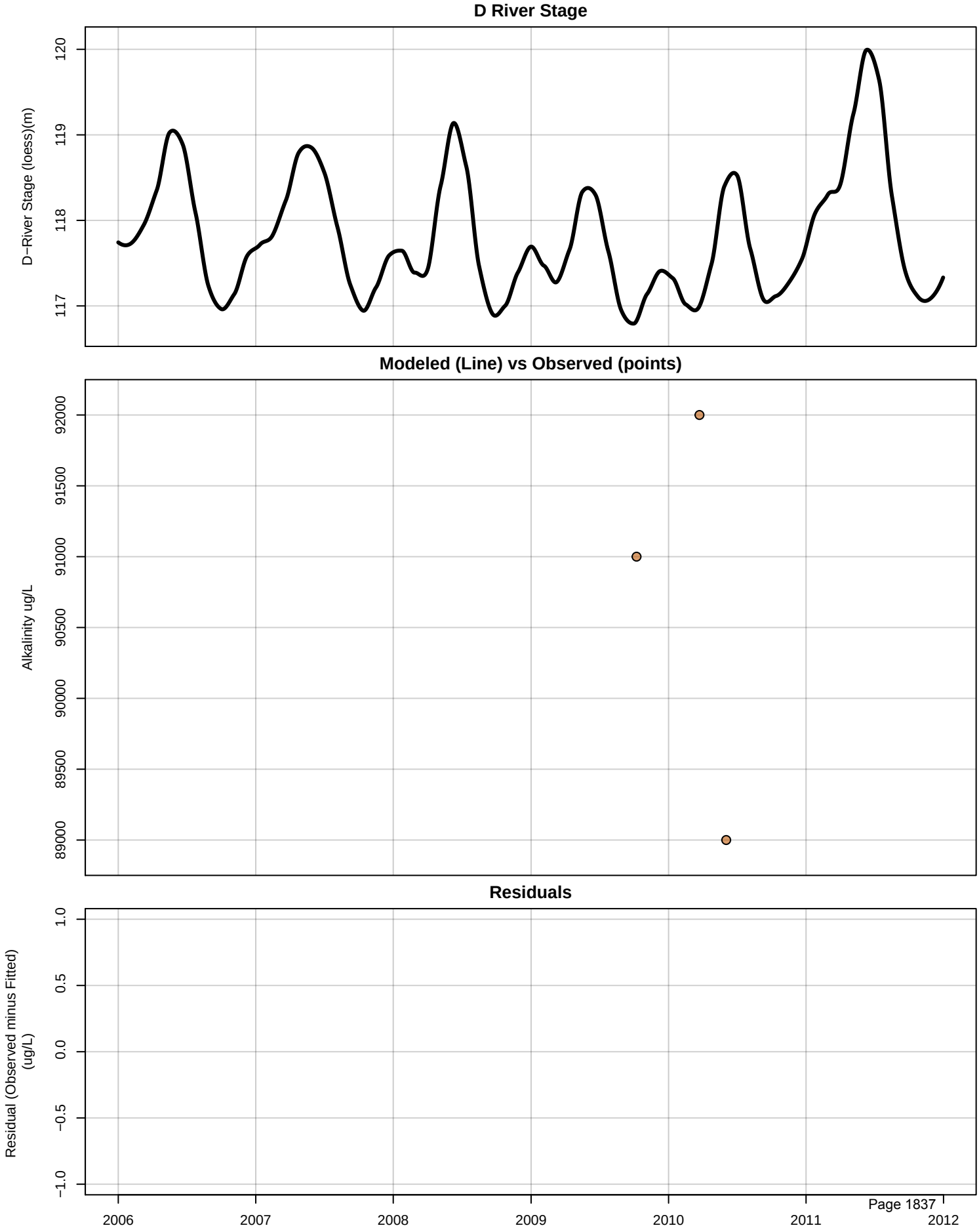
199−D4−23 (62m) Lag (12 Days)

Detect
Non−detect
Pre−Remedy
Post−Remedy

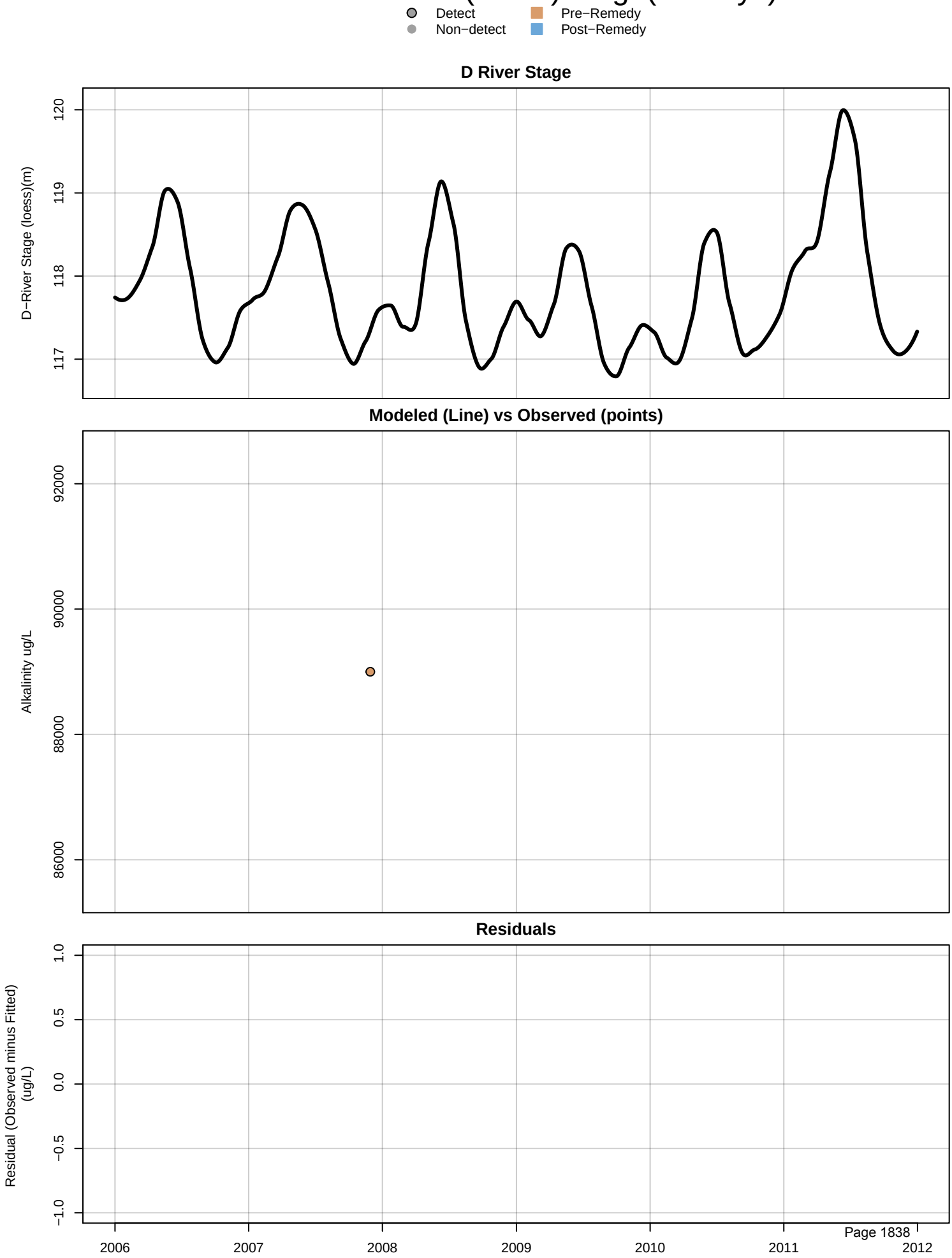


199−D4−84* (92m) Lag (15 Days)

Detect
Non−detect
Pre−Remedy
Post−Remedy

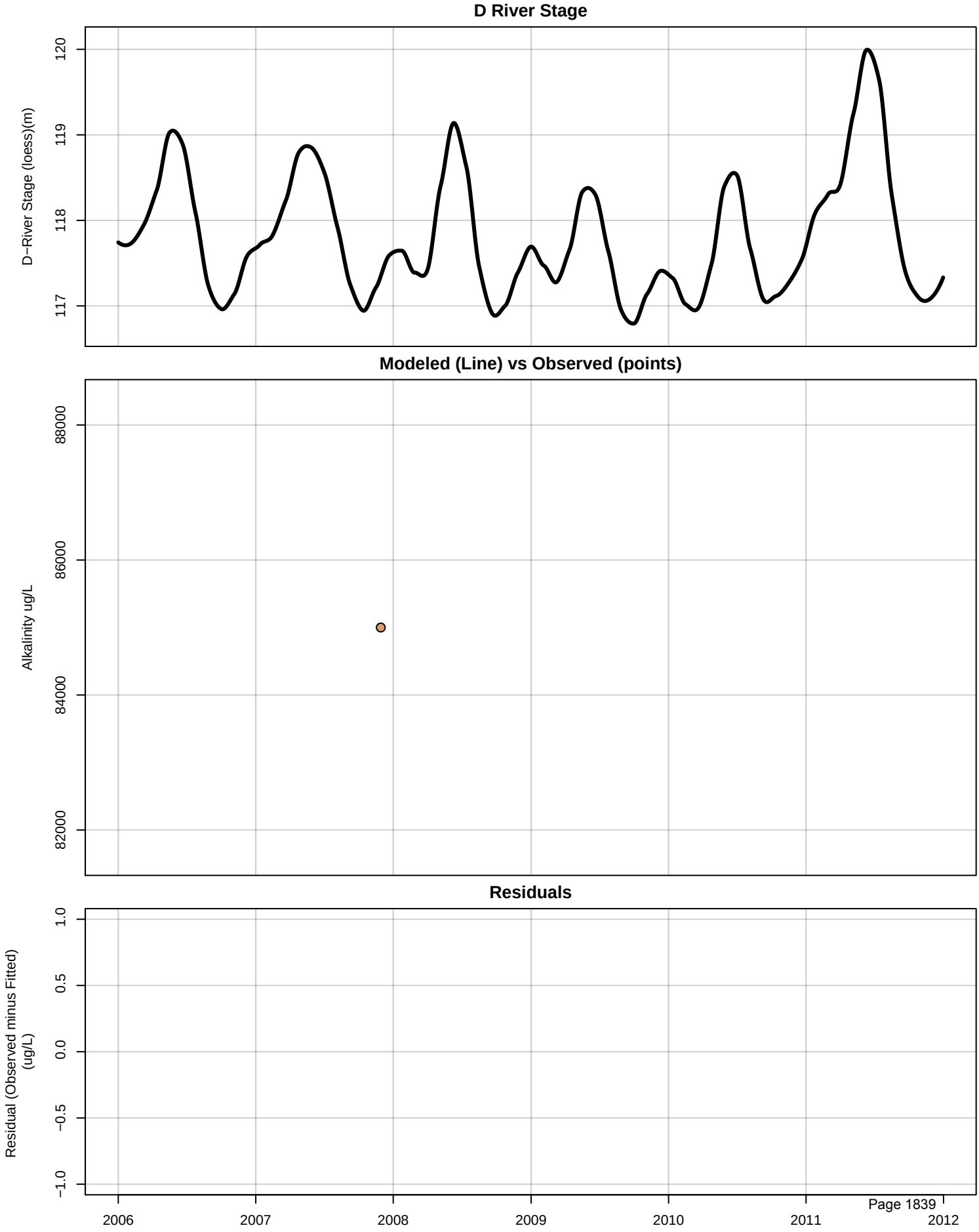


199−D5−102 (748m) Lag (72 Days)

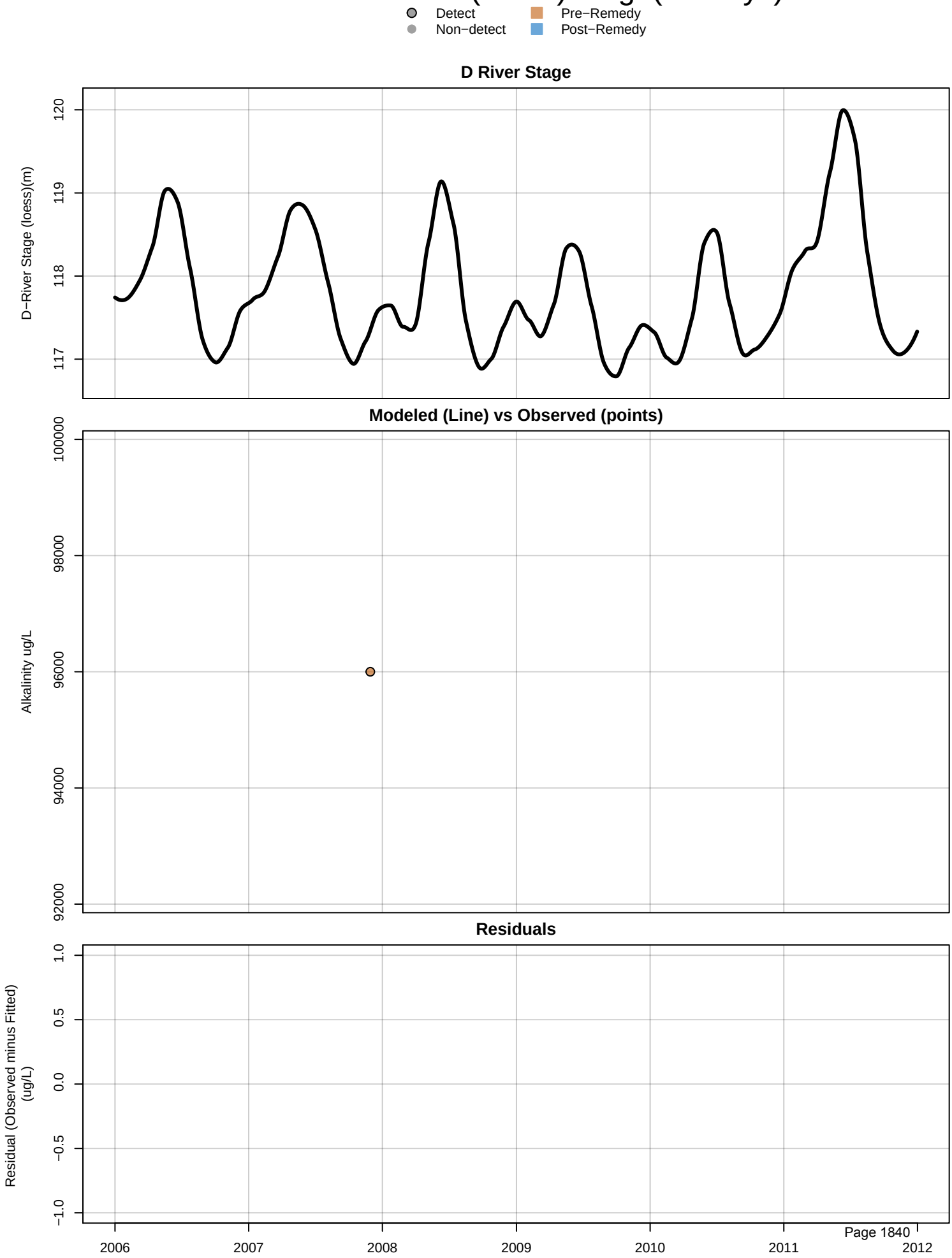


199−D5−103 (731m) Lag (77 Days)

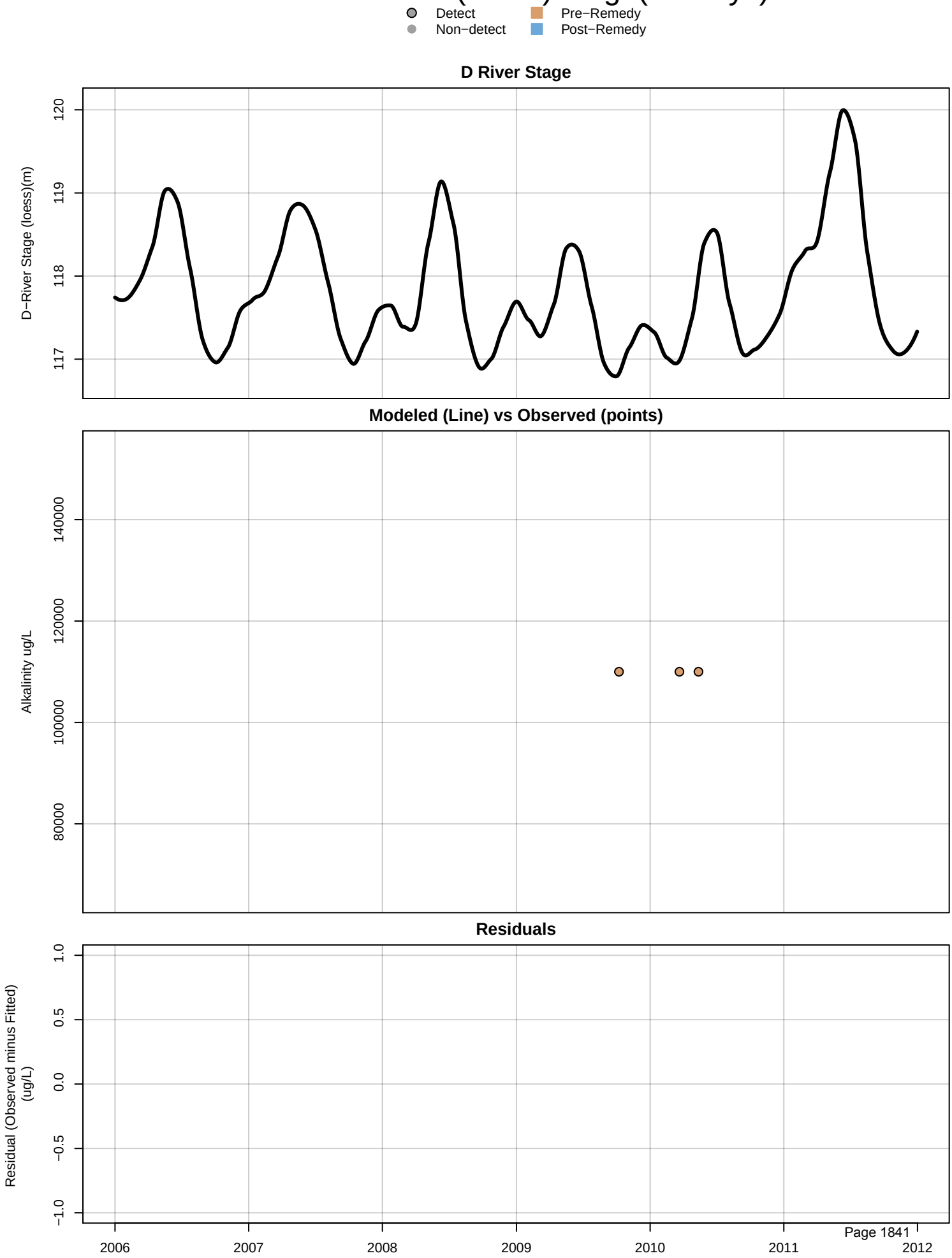
Detect
Non−detect
Pre−Remedy
Post−Remedy



199−D5−104* (568m) Lag (54 Days)

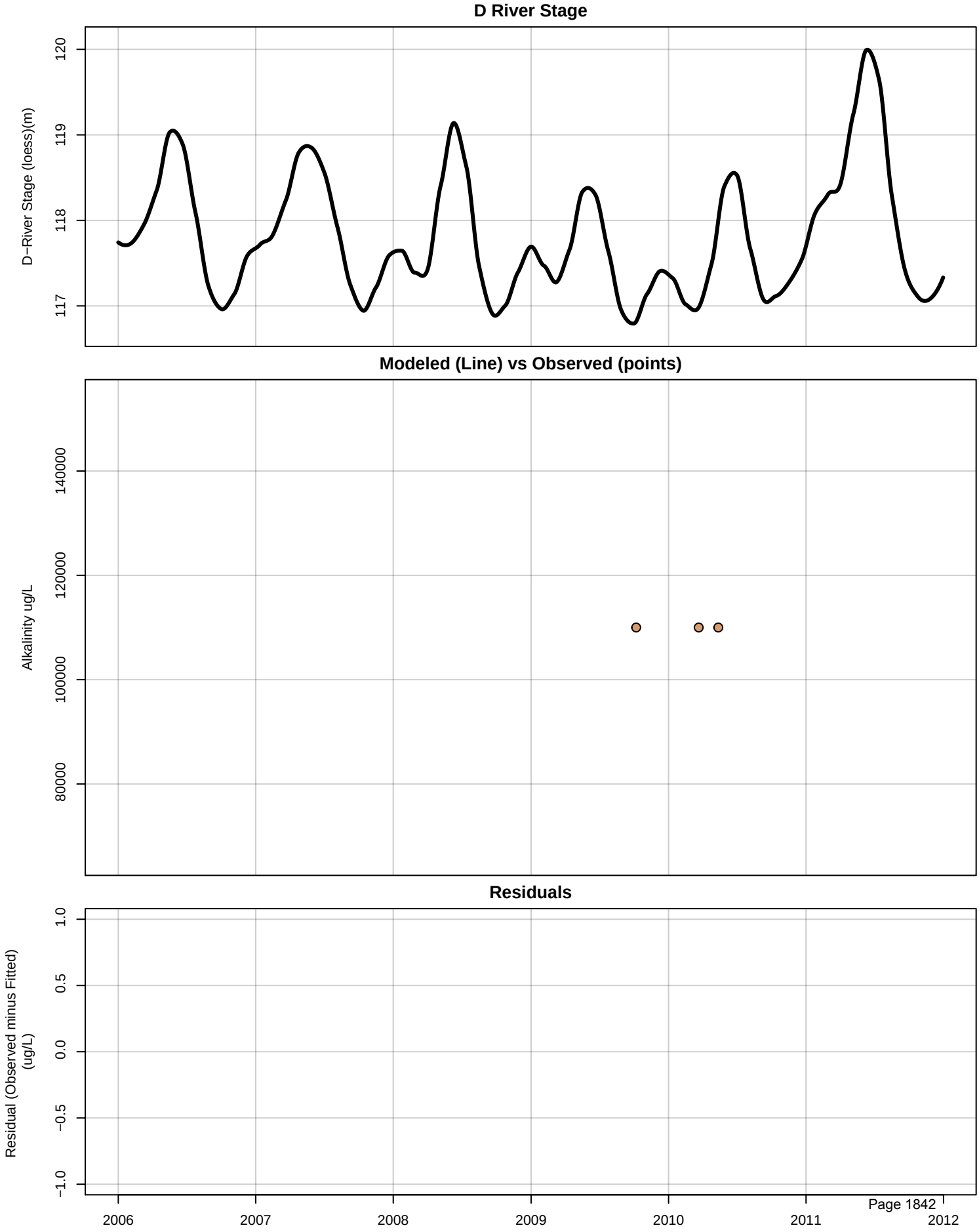


199−D5−13 (371m) Lag (38 Days)

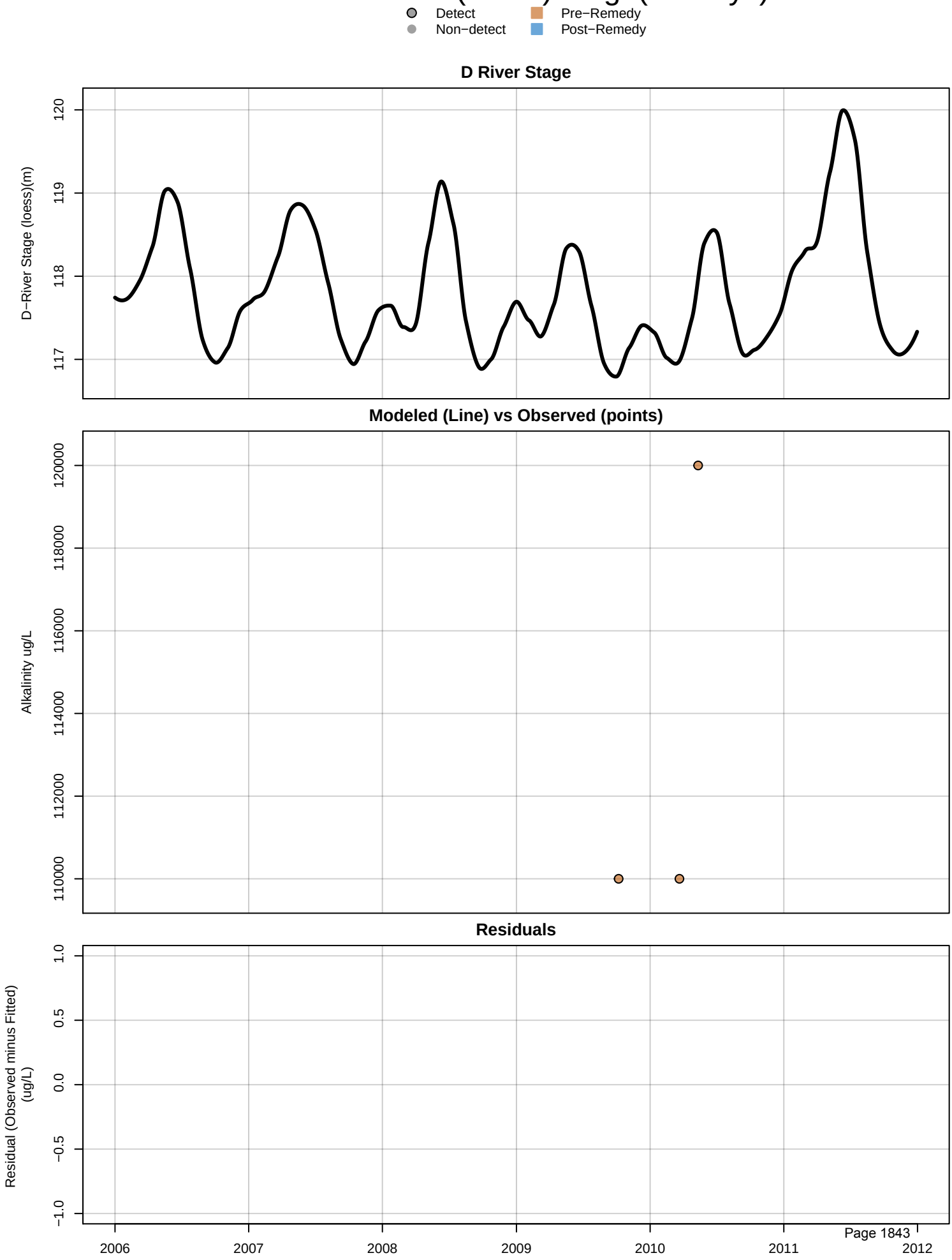


199−D5−14 (642m) Lag (50 Days)

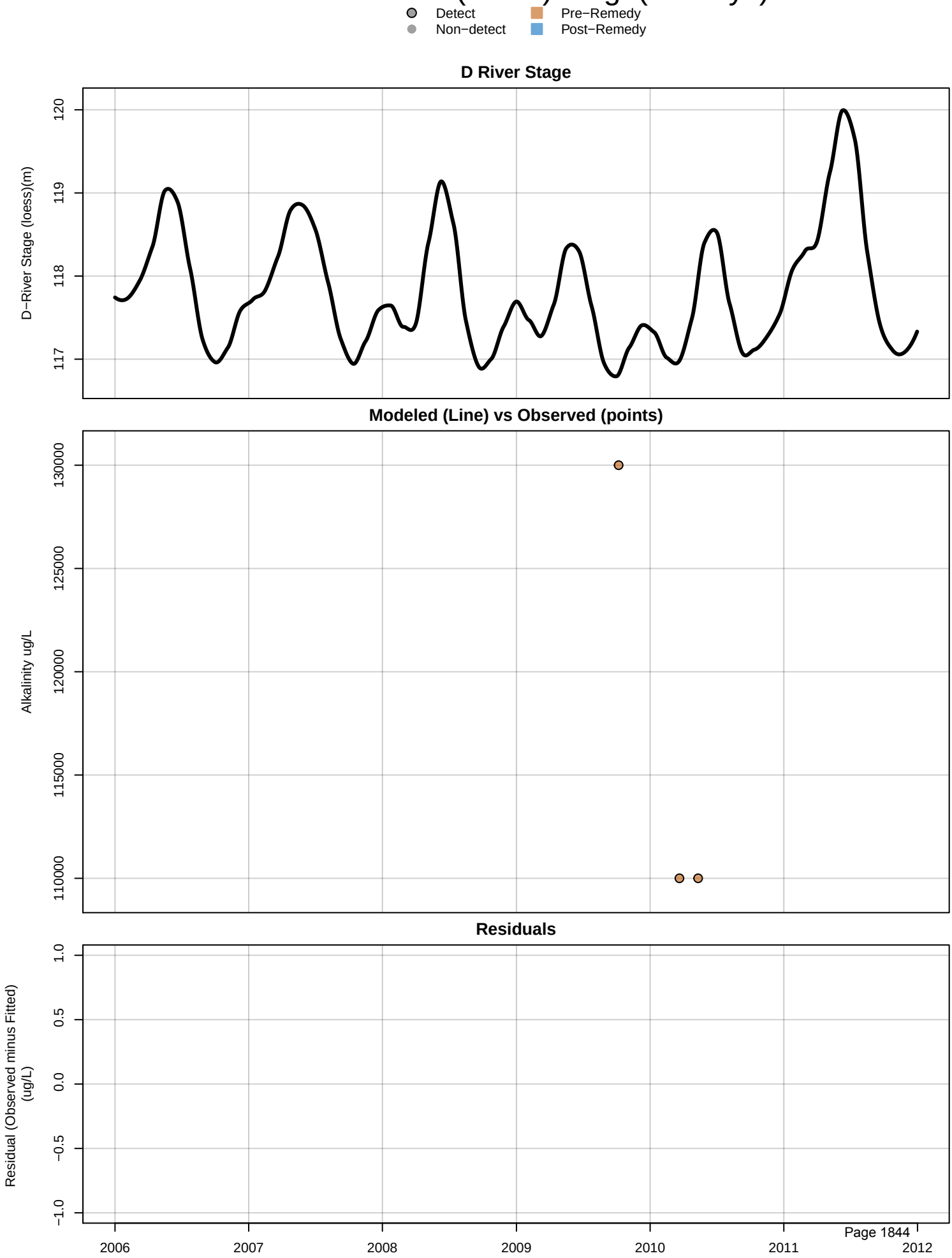
Detect
Non−detect
Pre−Remedy
Post−Remedy



199−D5−15 (716m) Lag (53 Days)

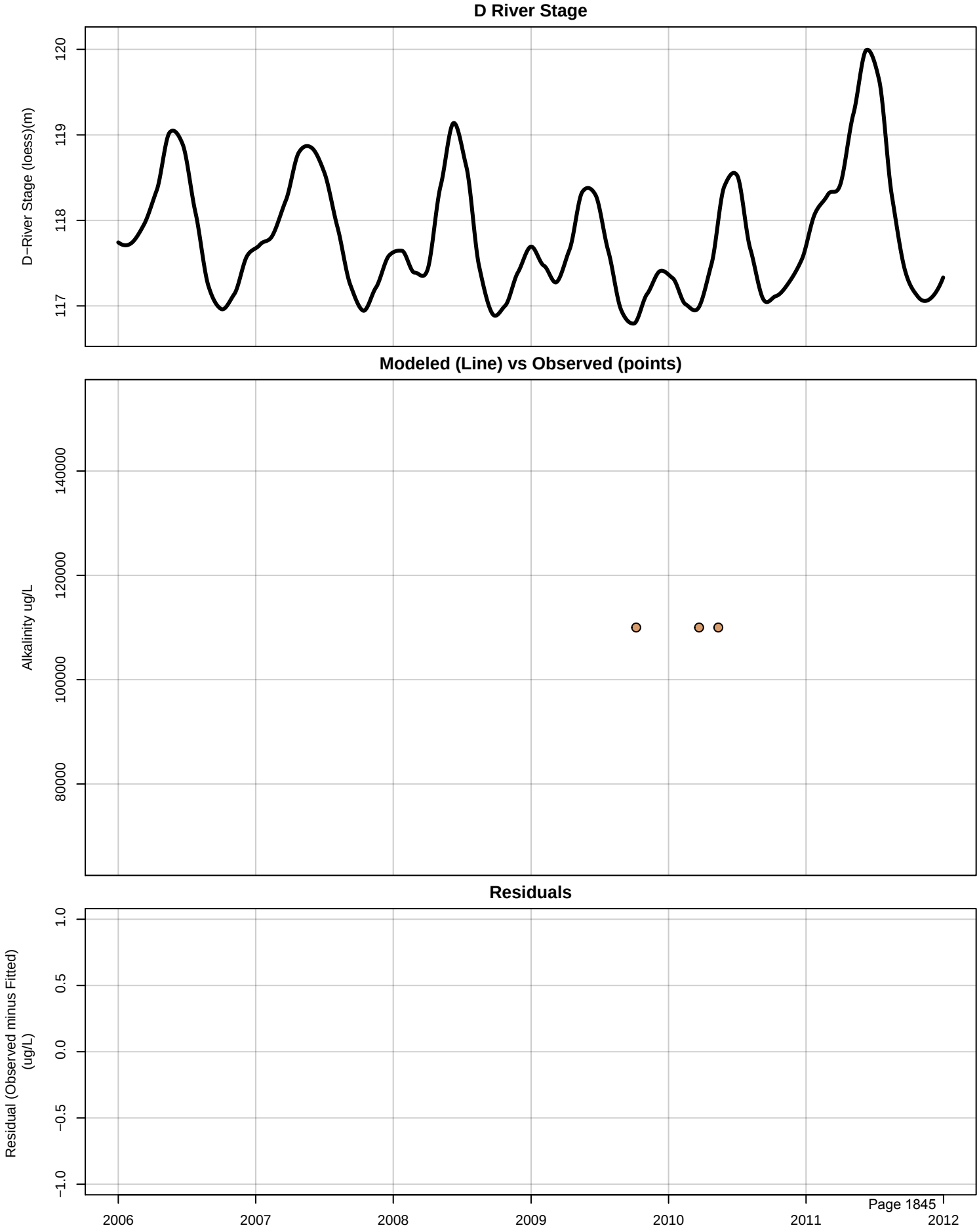


199−D5−16 (826m) Lag (49 Days)

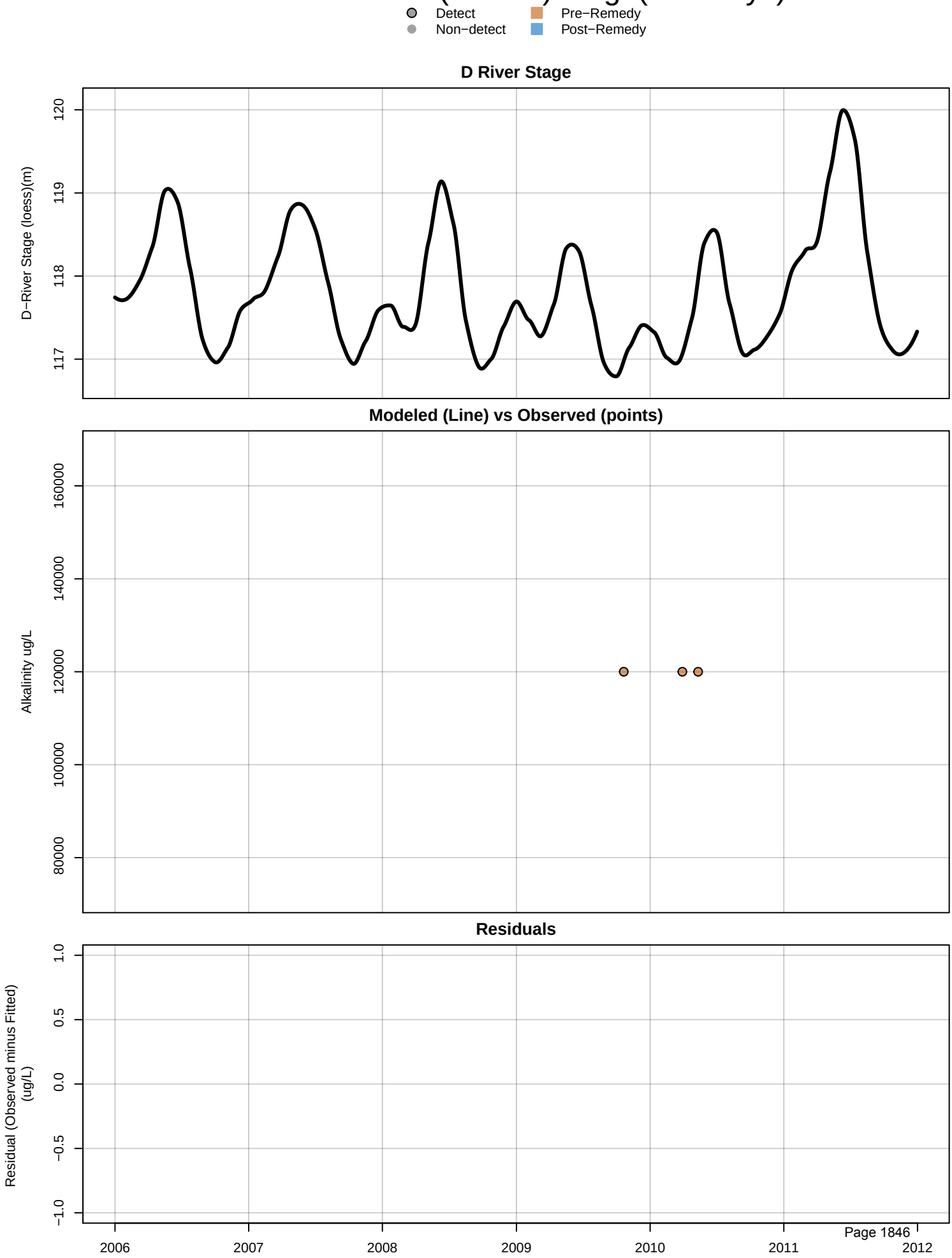


199−D5−17 (995m) Lag (122 Days)

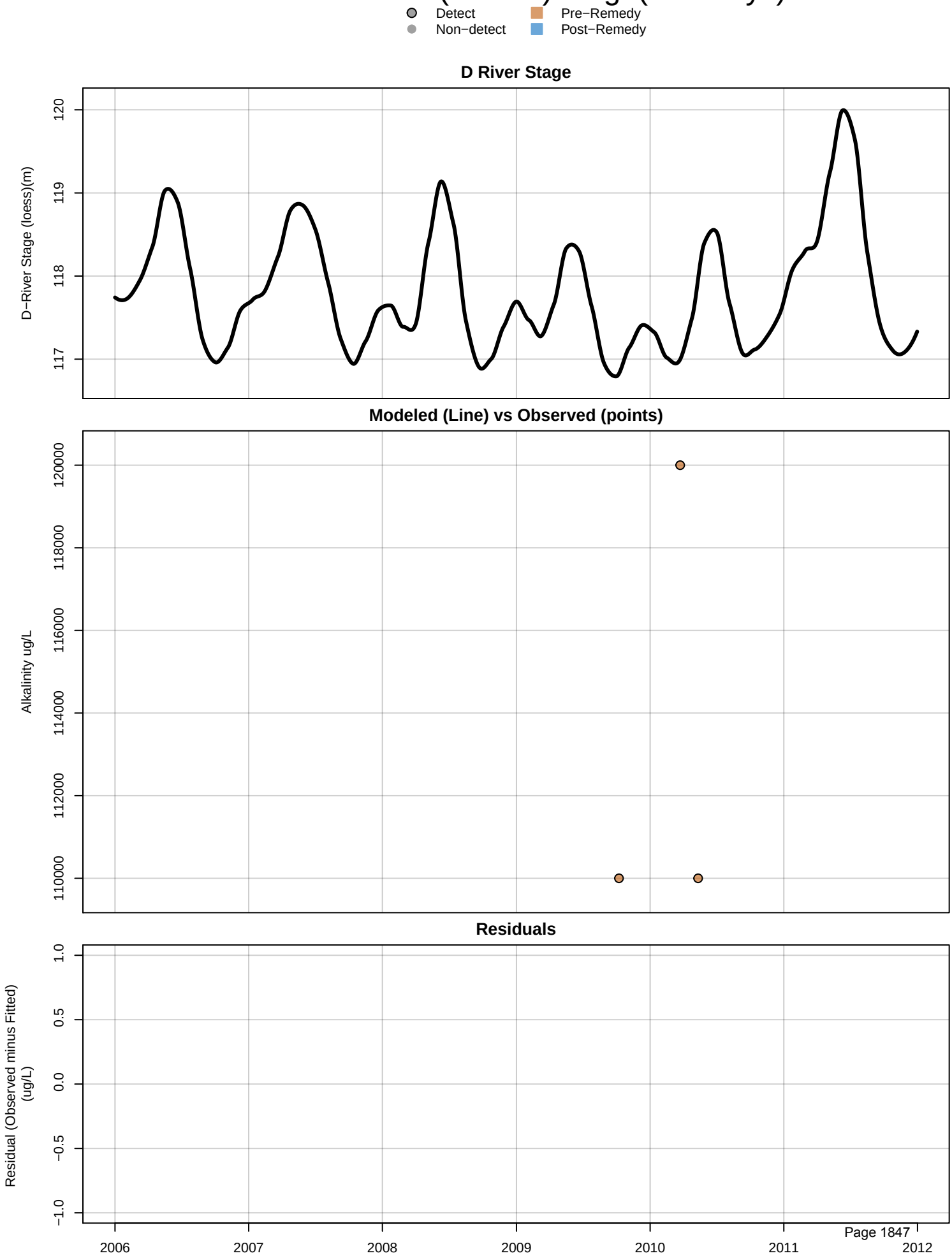
Detect
Non−detect
Pre−Remedy
Post−Remedy



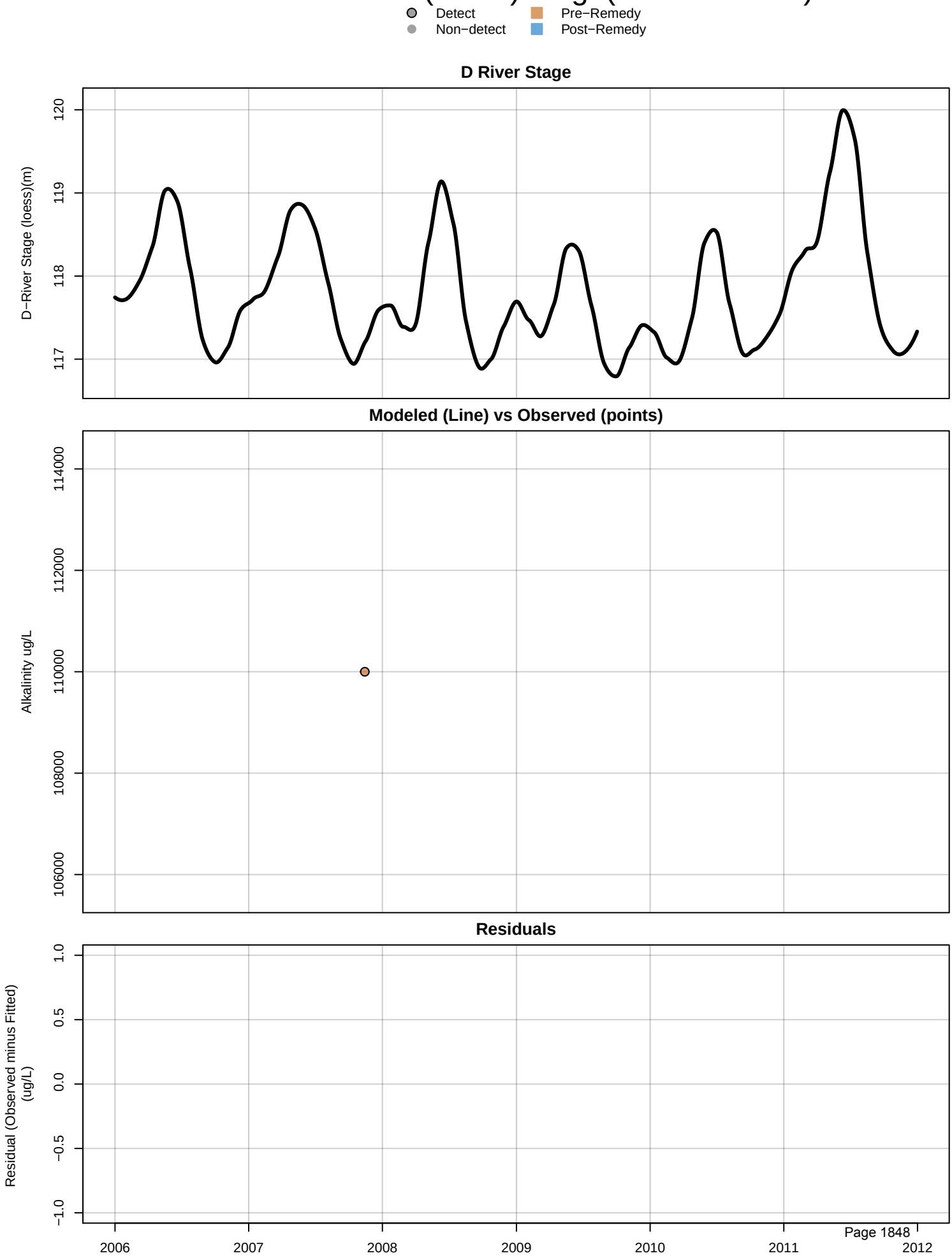
199−D5−18 (1080m) Lag (139 Days)



199−D5−19 (1138m) Lag (118 Days)

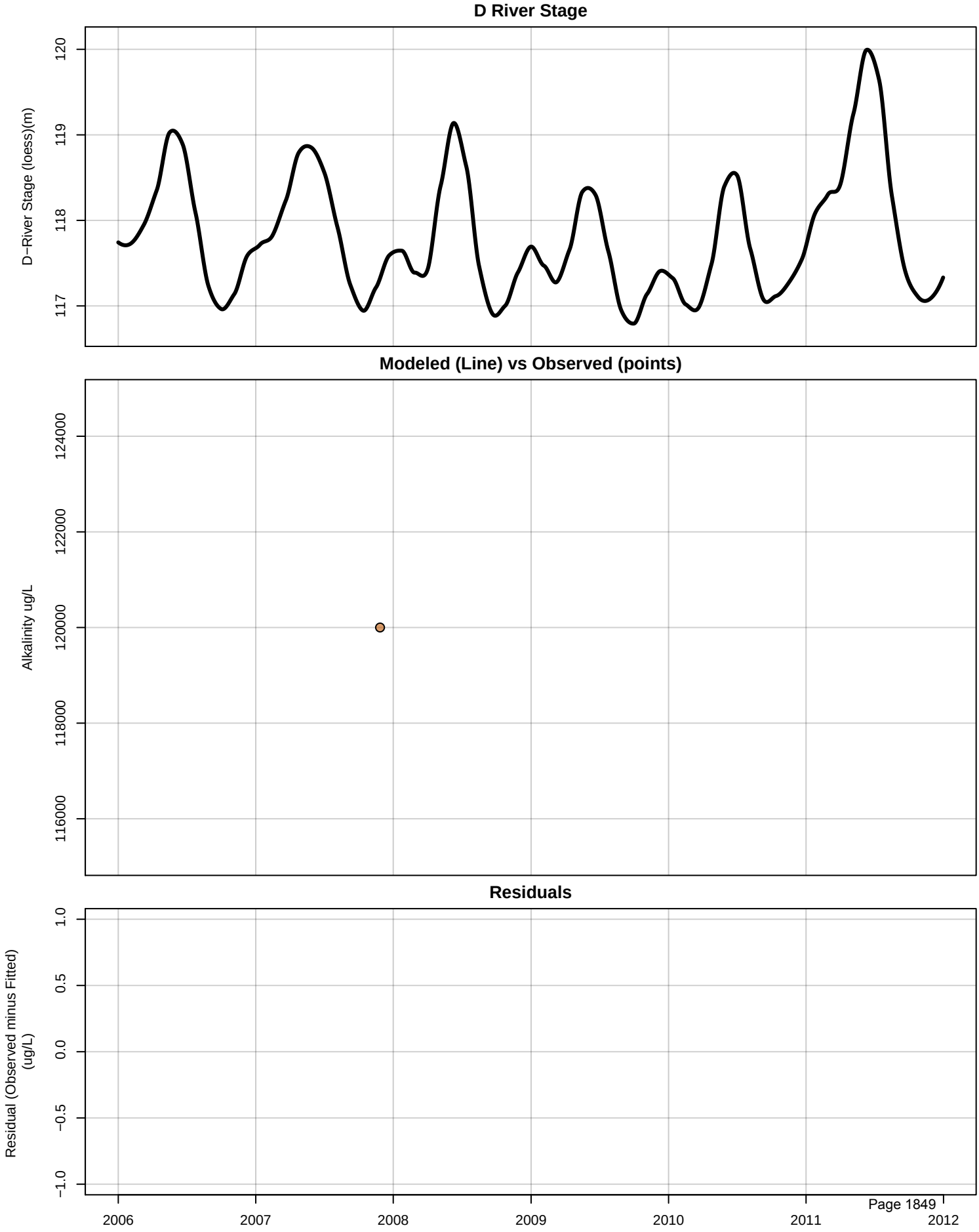


199−D5−20* (157m) Lag (Indeterminate)

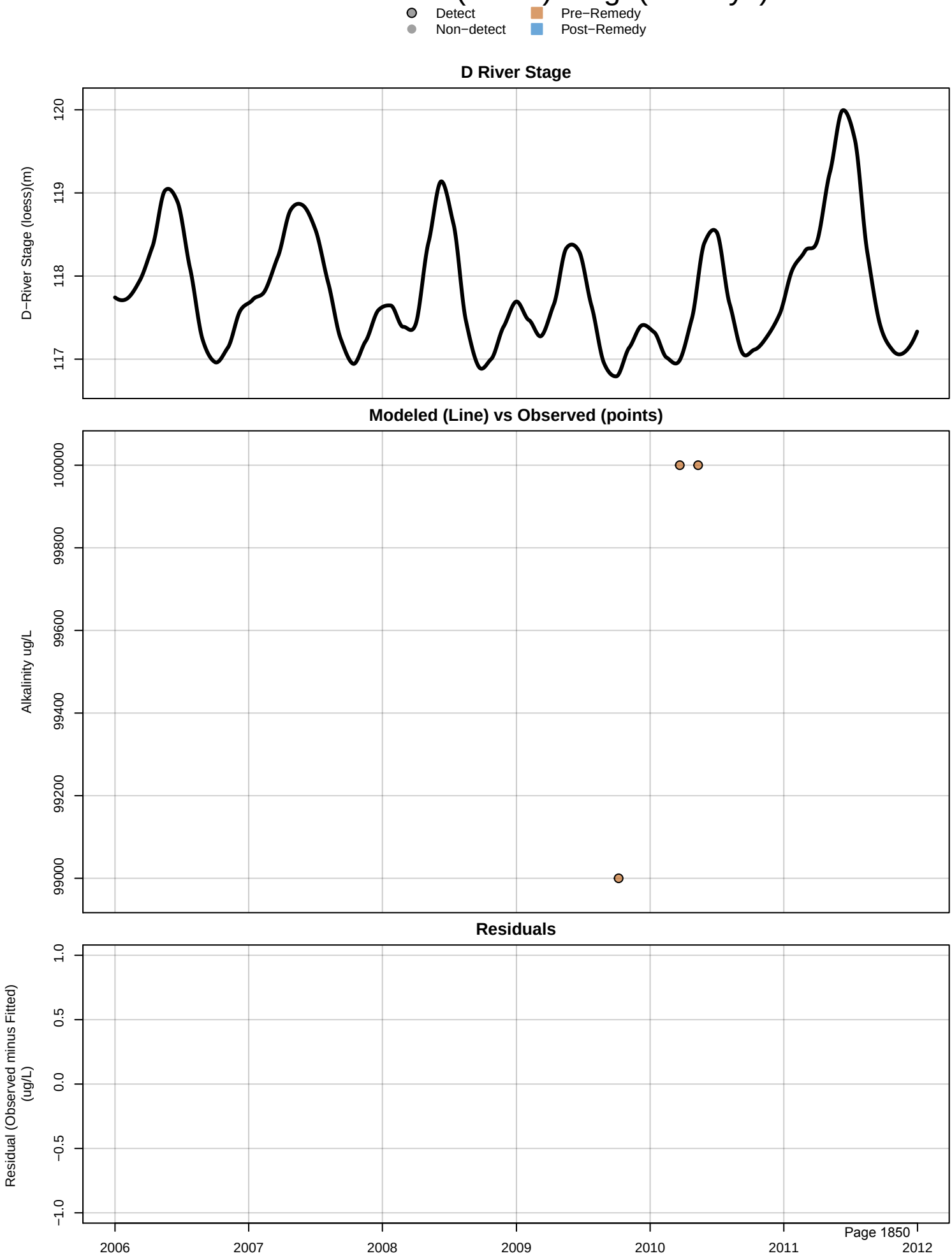


199−D5−32* (337m) Lag (Indeterminate)

Detect
Non−detect
Pre−Remedy
Post−Remedy

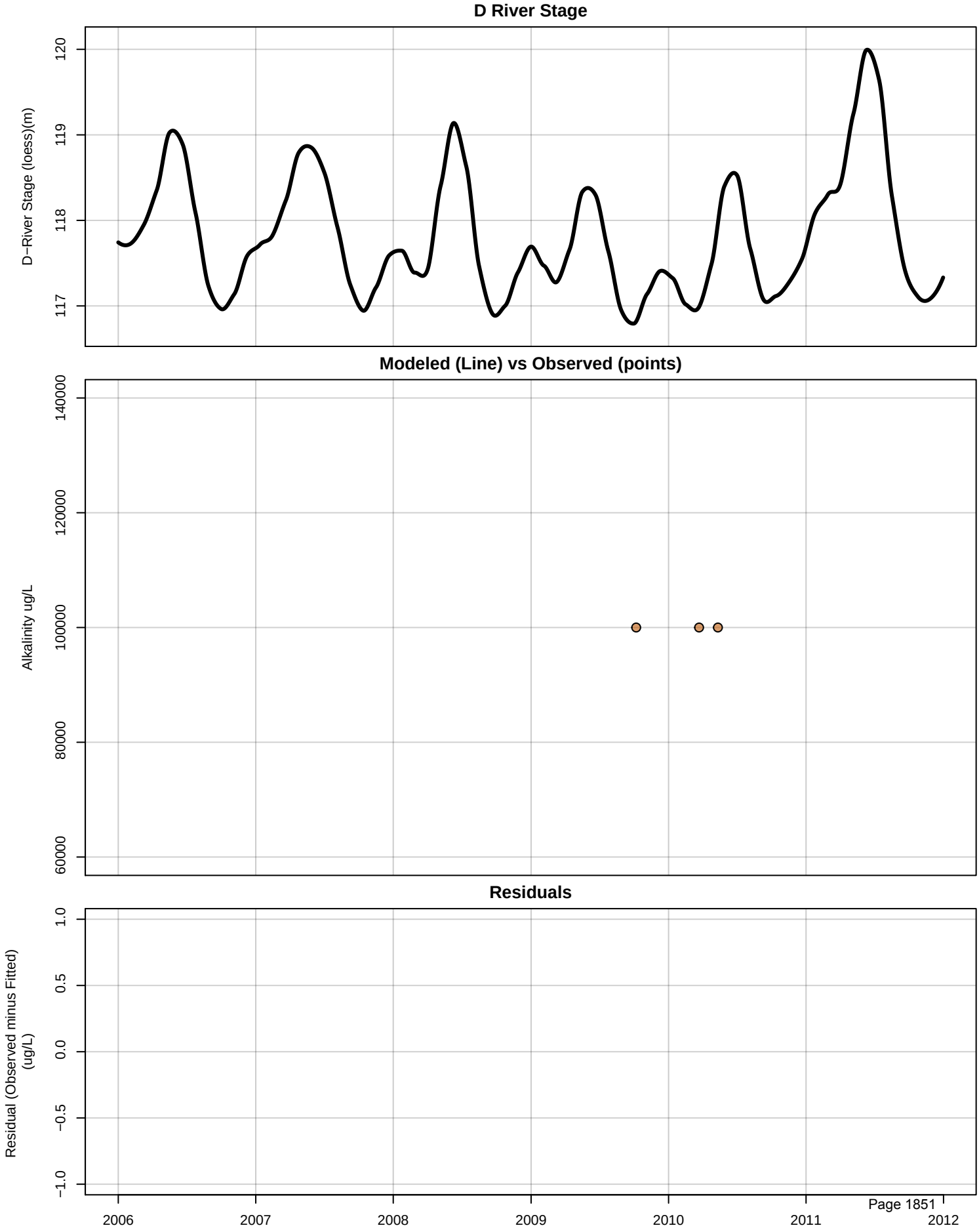


199−D5−37 (148m) Lag (24 Days)



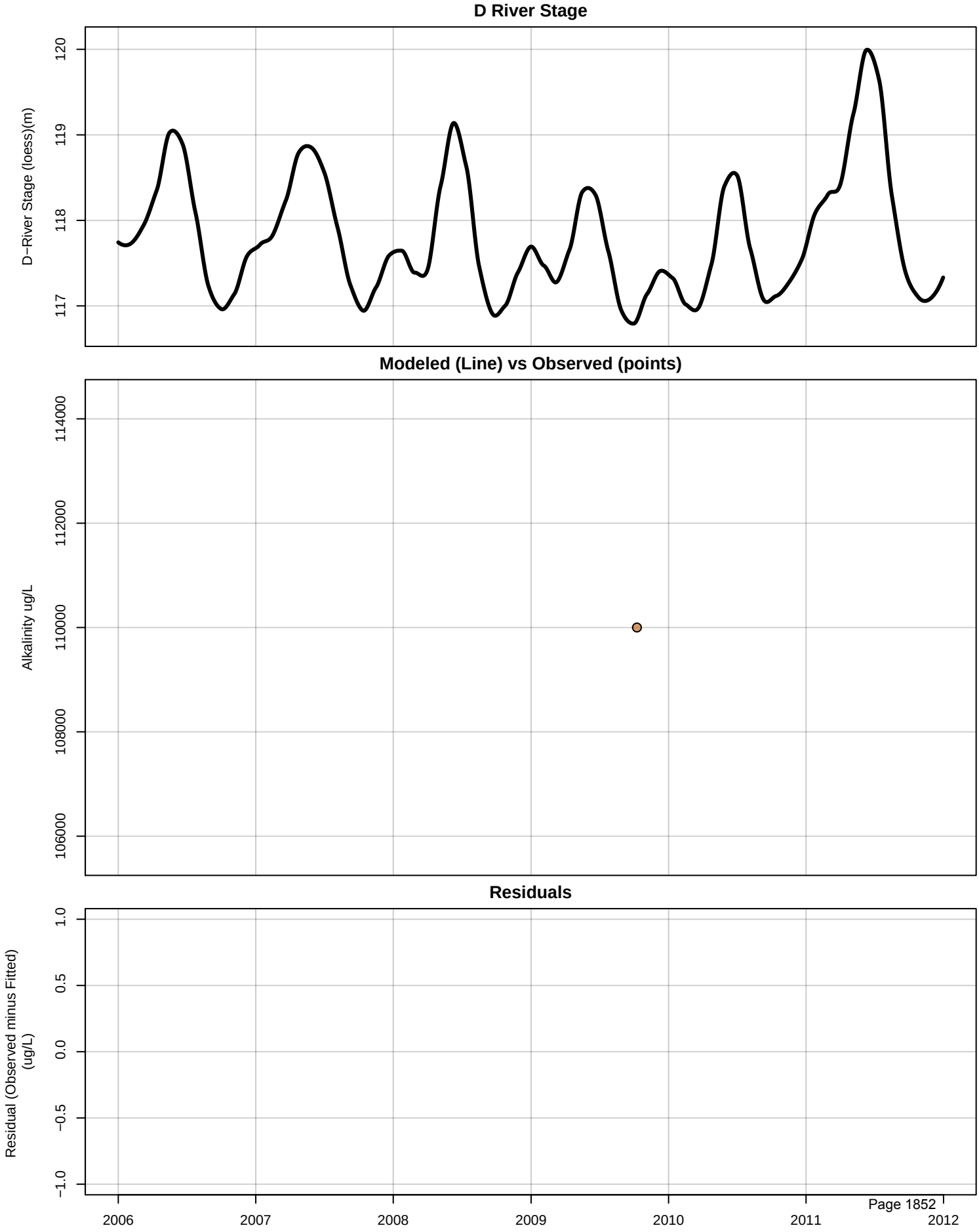
199−D5−38 (285m) Lag (46 Days)

Detect
Non−detect
Pre−Remedy
Post−Remedy



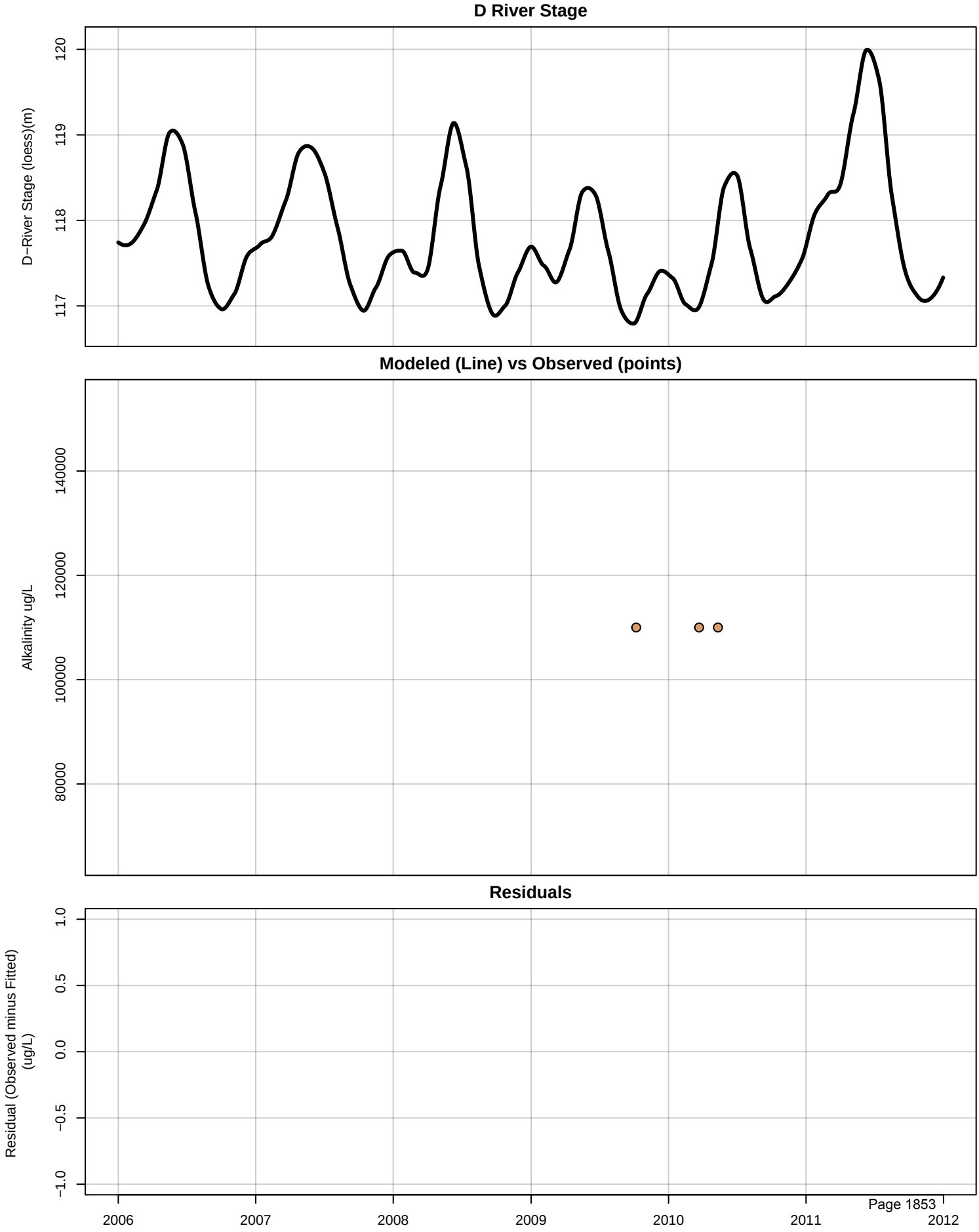
199−D5−41* (418m) Lag (33 Days)

Detect
Non−detect
Pre−Remedy
Post−Remedy

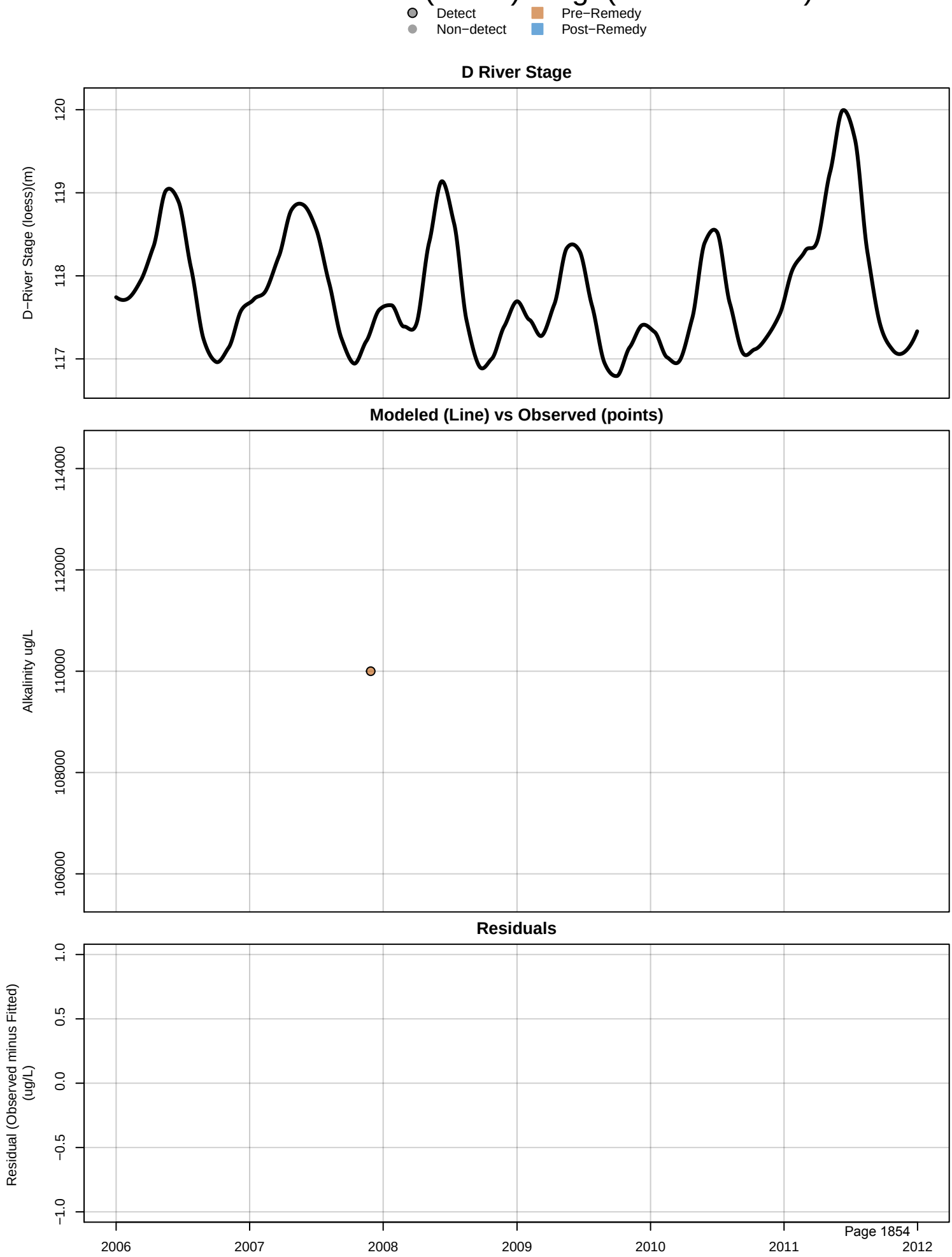


199−D5−43 (612m) Lag (57 Days)

Detect
Non−detect
Pre−Remedy
Post−Remedy

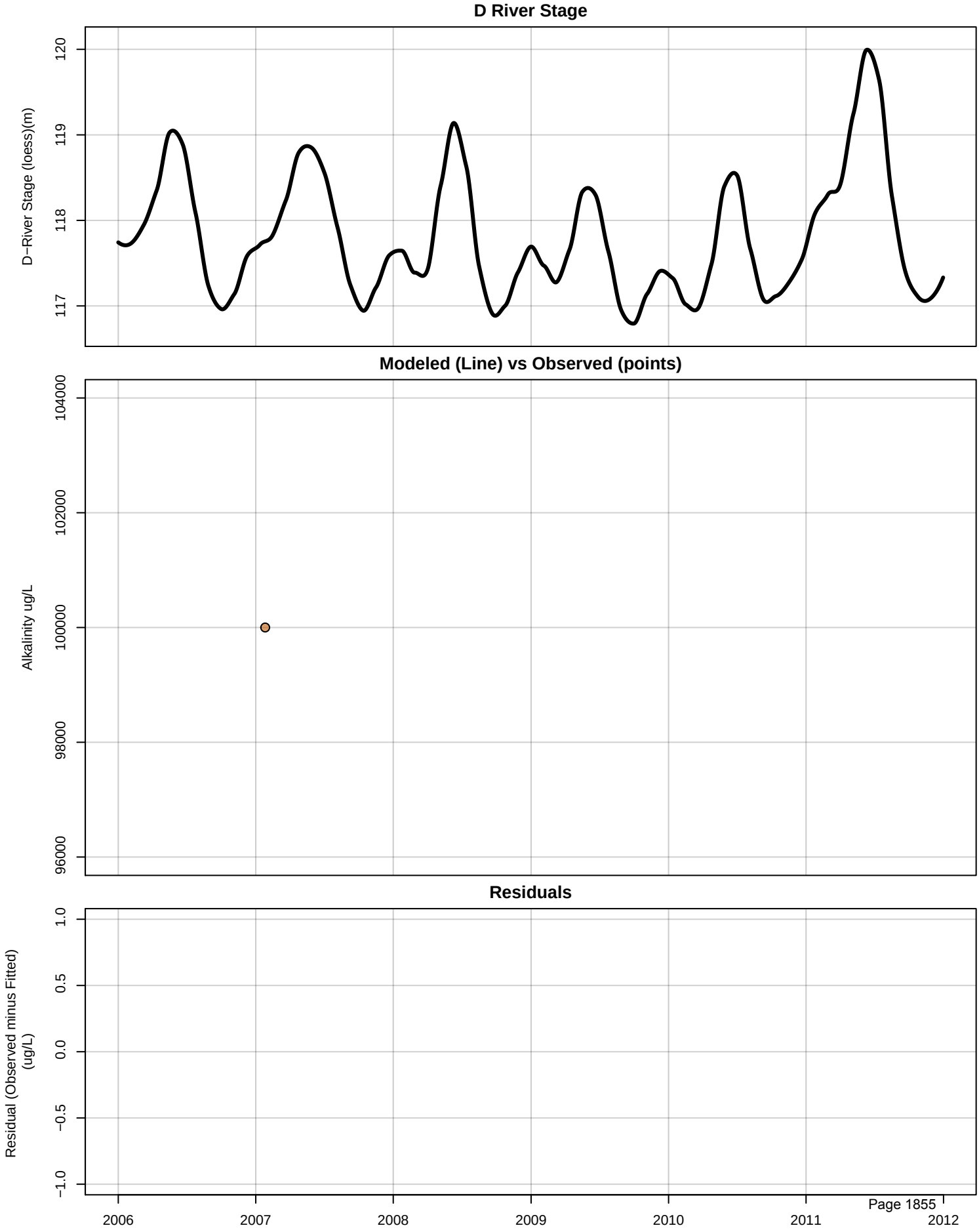


199−D5−92* (105m) Lag (Indeterminate)



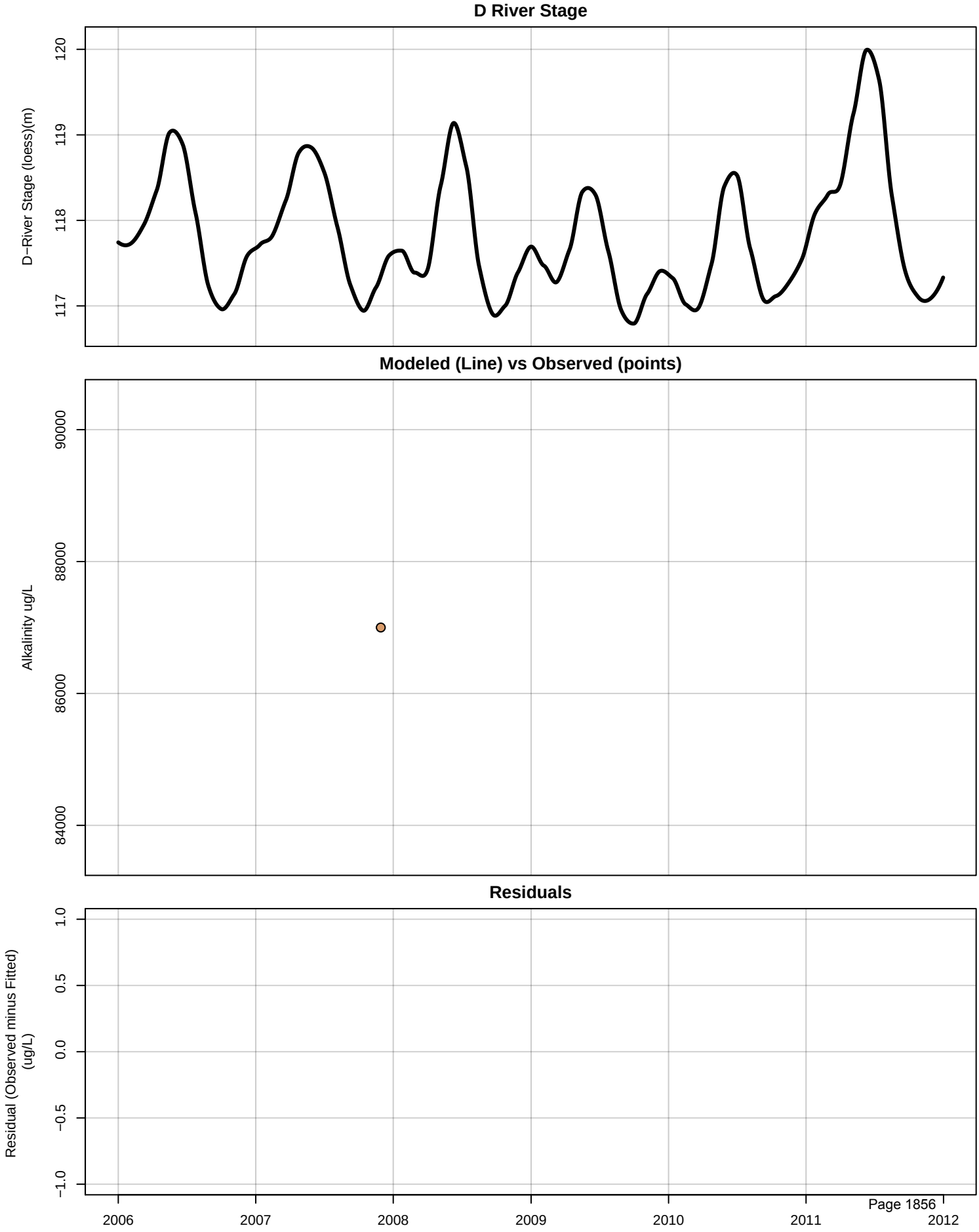
199−D5−93 (611m) Lag (53 Days)

Detect
Non−detect
Pre−Remedy
Post−Remedy



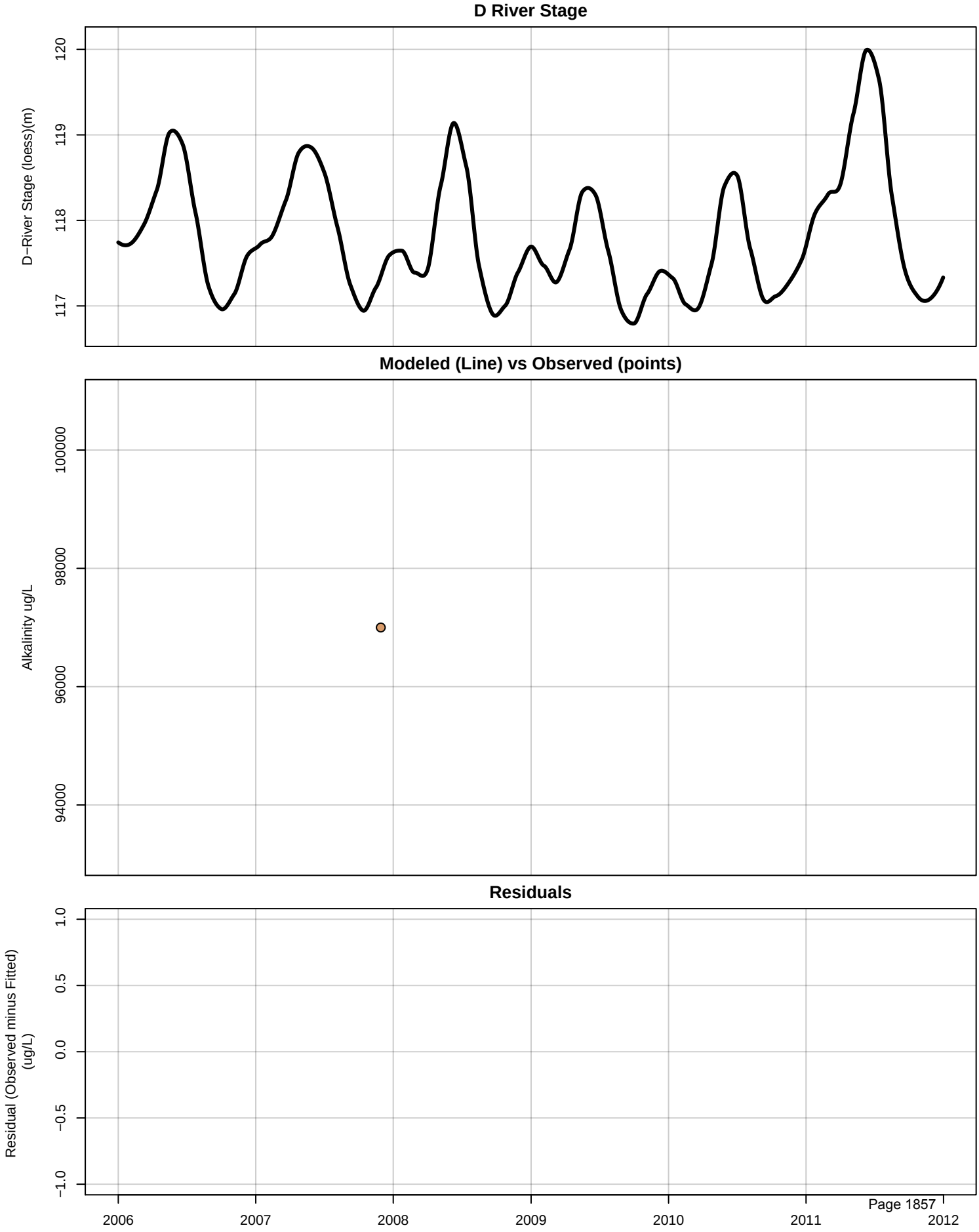
199−D5−97 (635m) Lag (65 Days)

Detect
Non−detect
Pre−Remedy
Post−Remedy



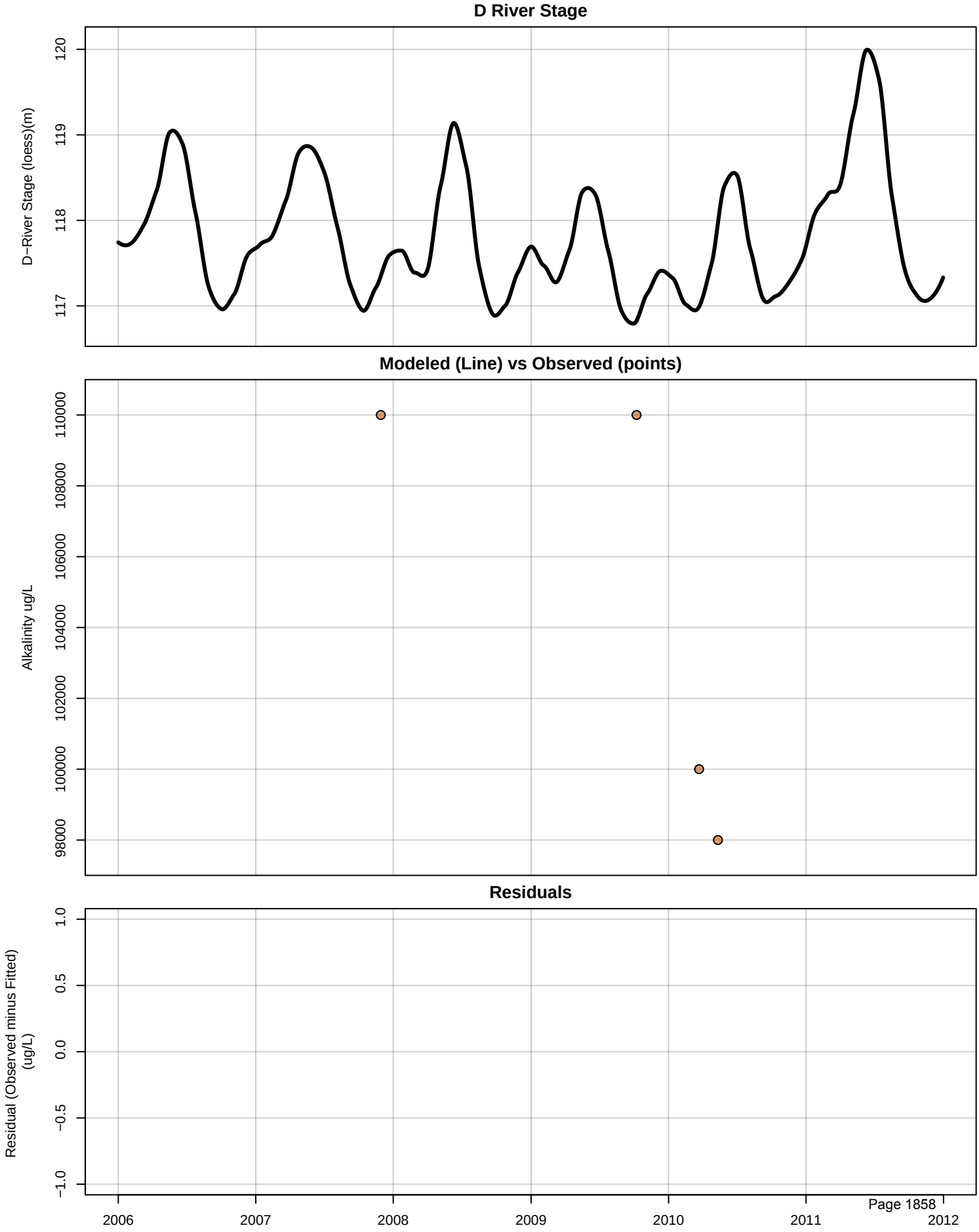
199−D5−98 (743m) Lag (76 Days)

Detect
Non−detect
Pre−Remedy
Post−Remedy



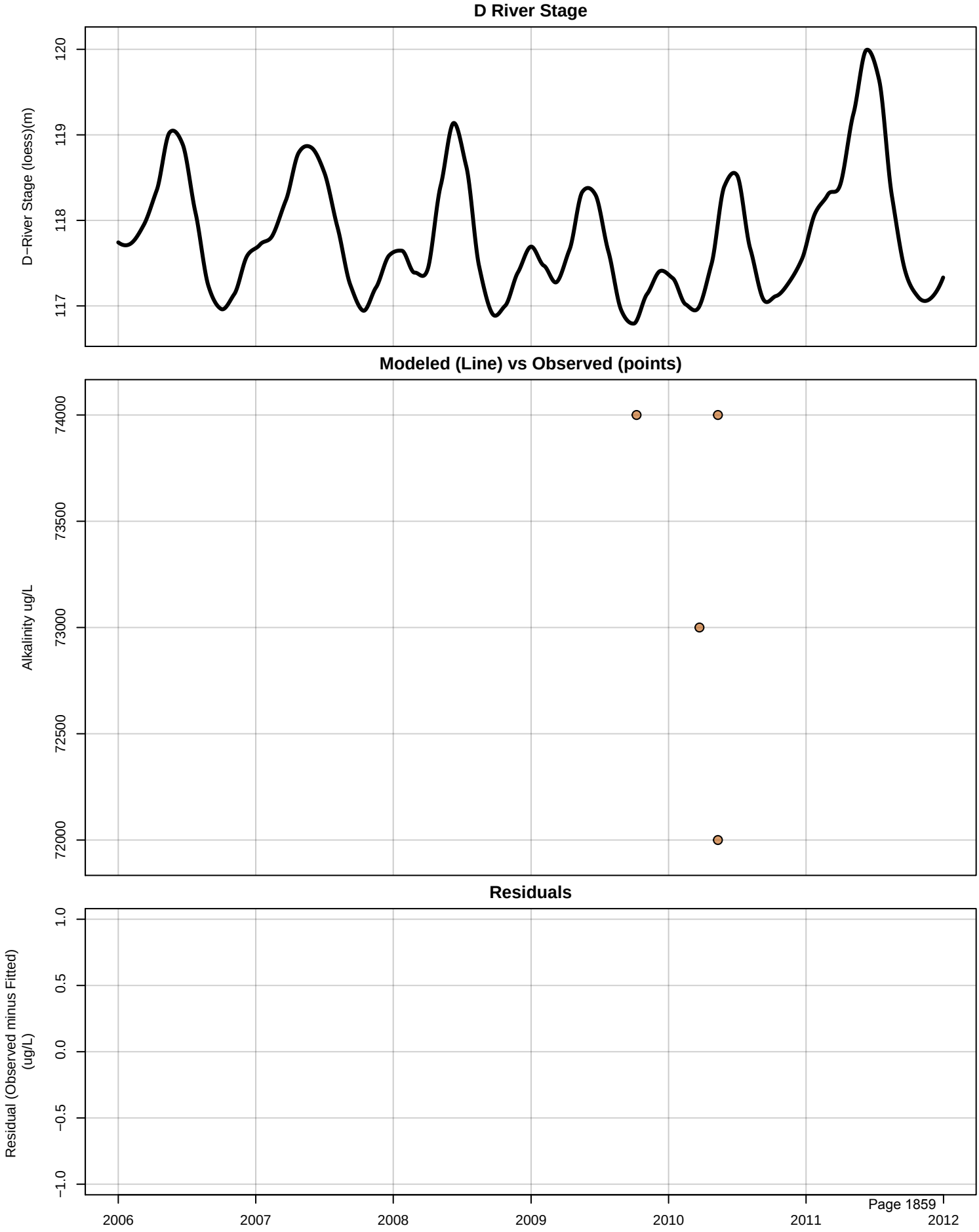
199−D5−99 (648m) Lag (69 Days)

Detect
Non−detect
Pre−Remedy
Post−Remedy



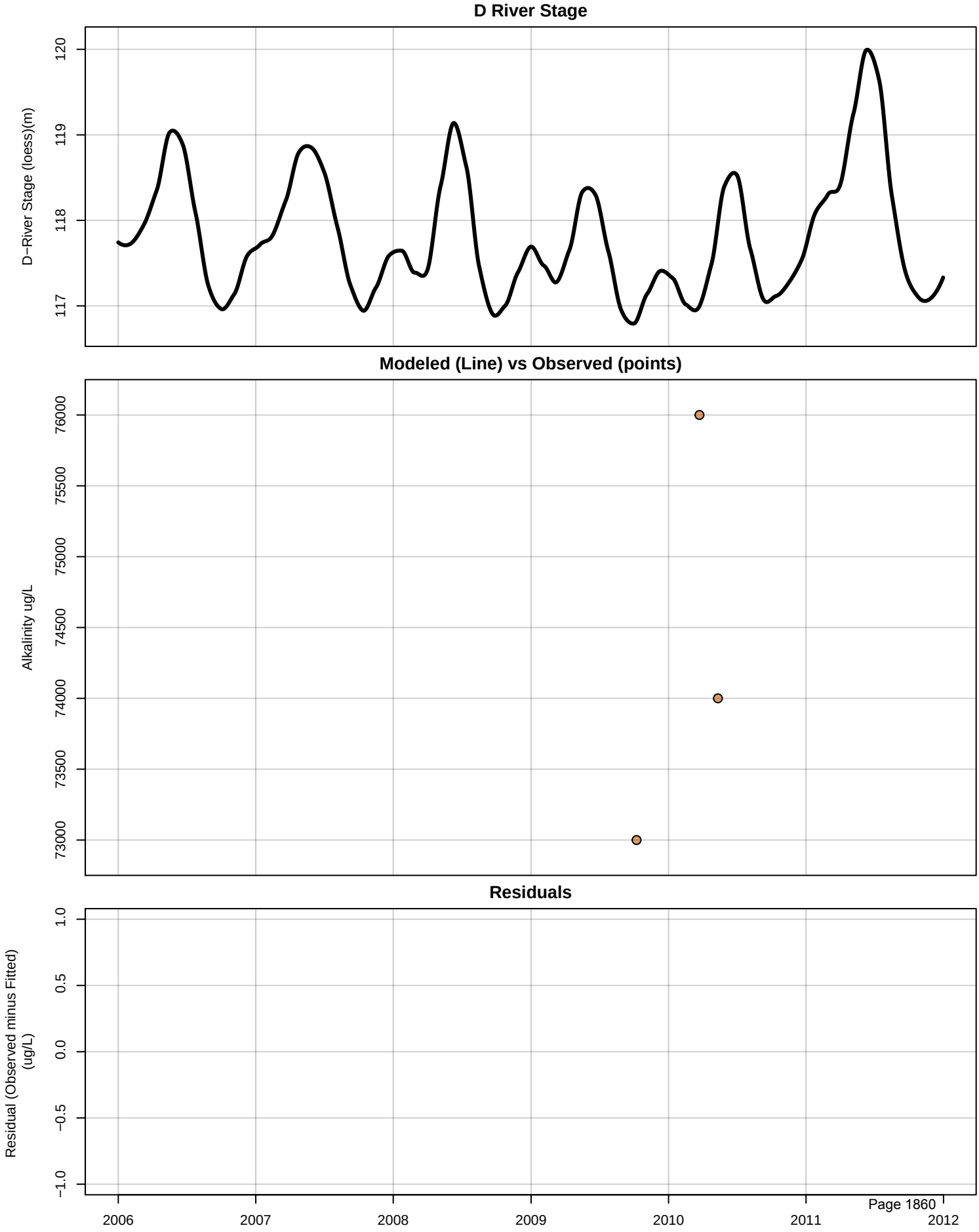
199−D8−5 (127m) Lag (8 Days)

Detect
Non−detect
Pre−Remedy
Post−Remedy



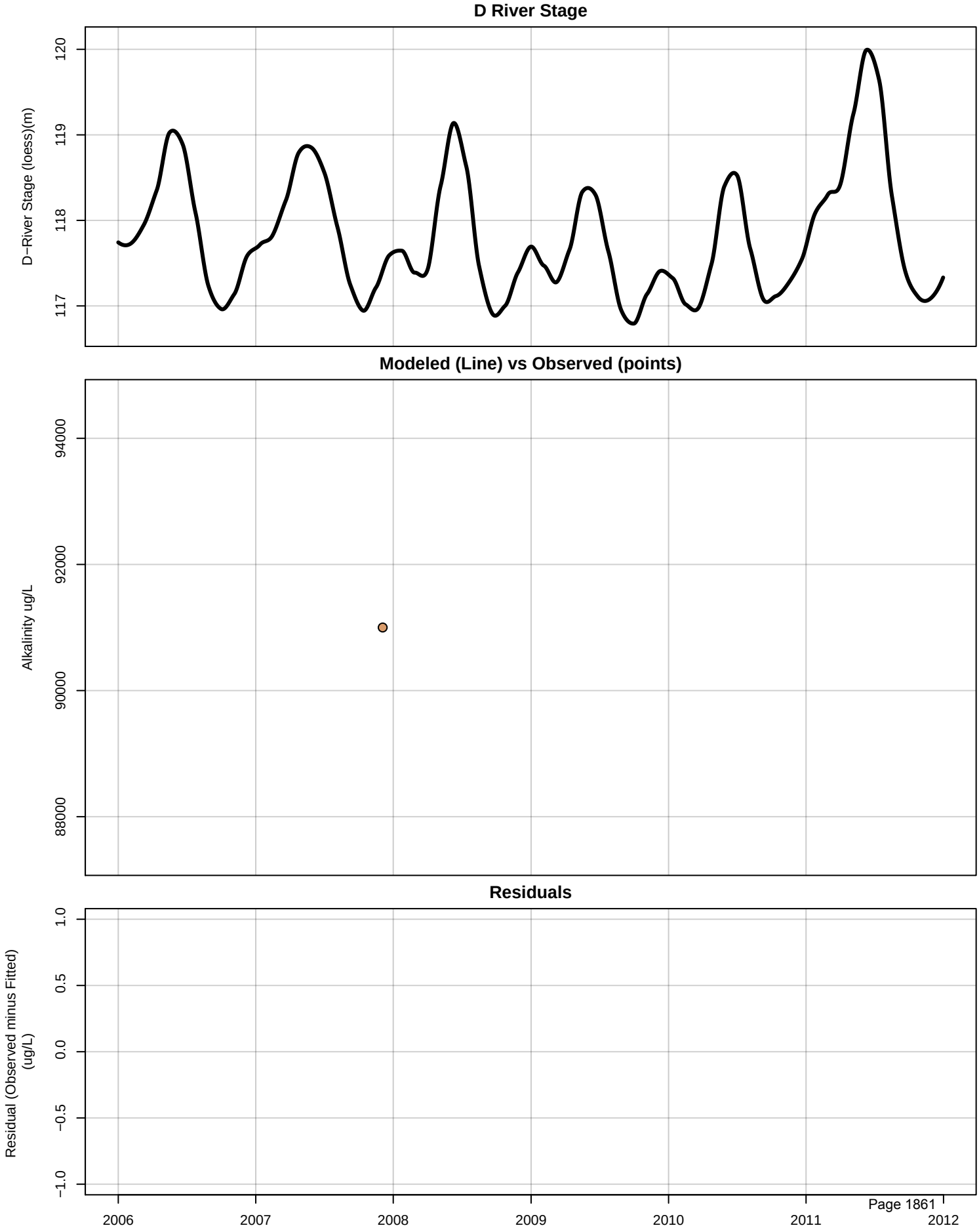
199−D8−55* (85m) Lag (12 Days)

Detect
Non−detect
Pre−Remedy
Post−Remedy



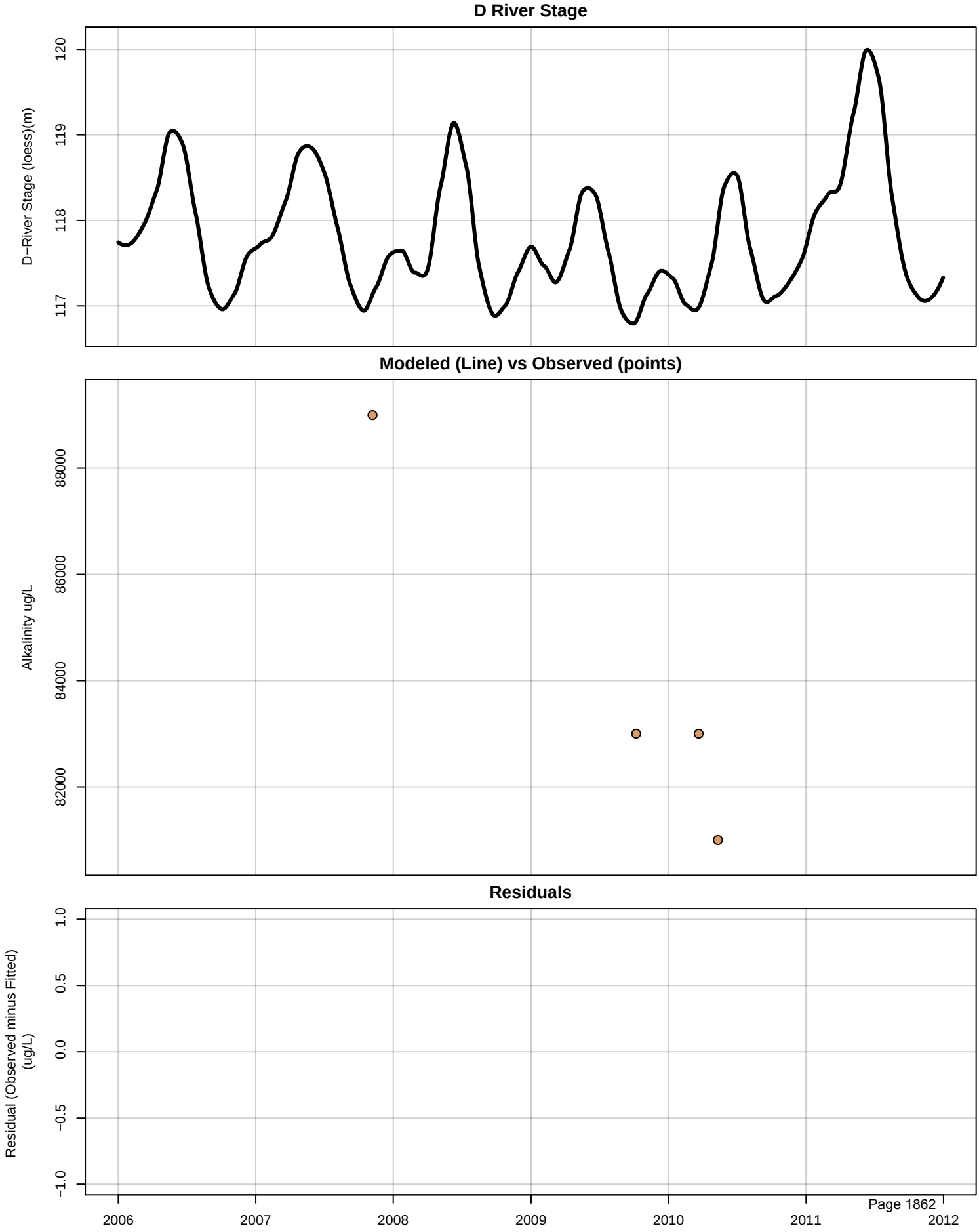
199−D8−68* (101m) Lag (8 Days)

Detect
Non−detect
Pre−Remedy
Post−Remedy



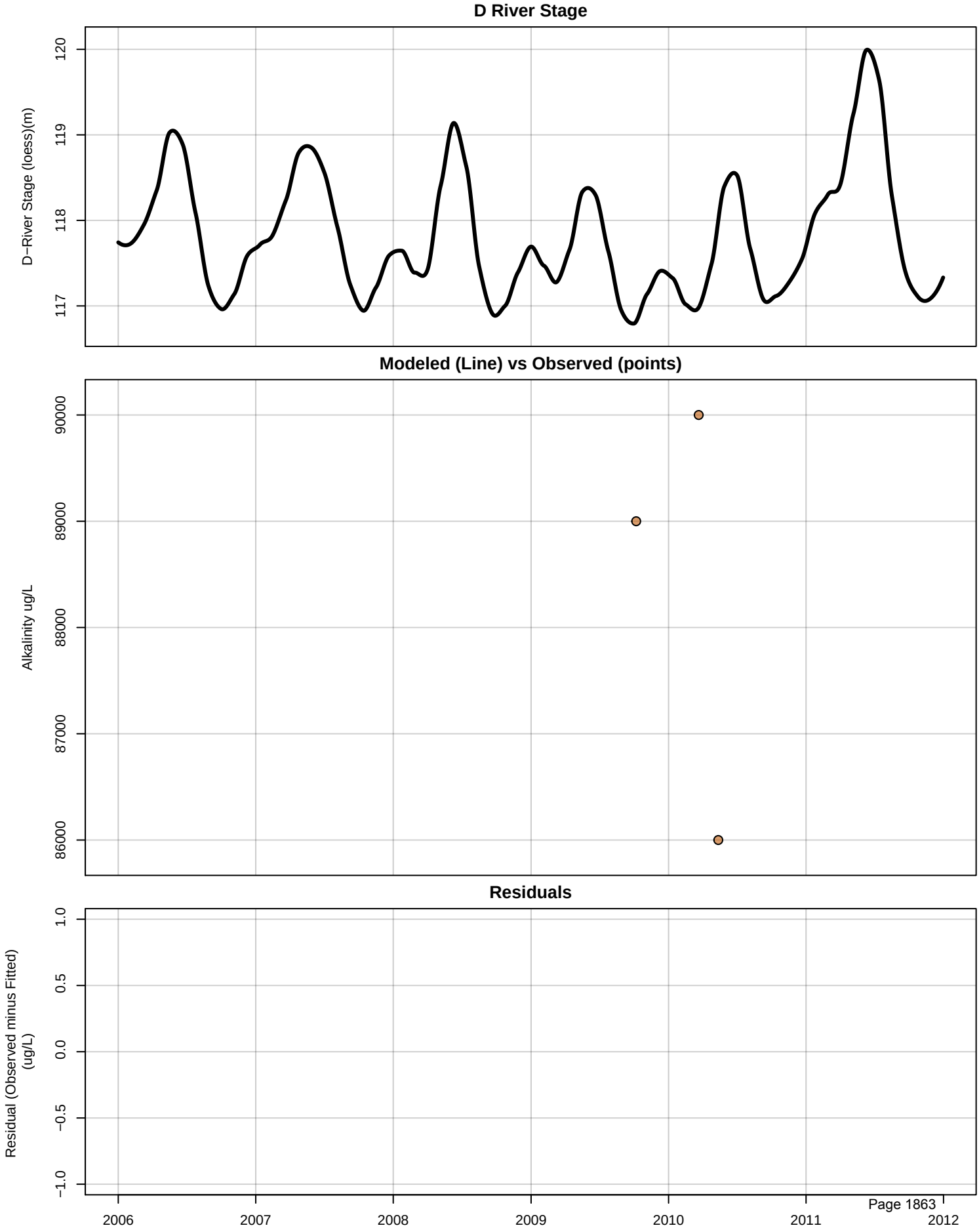
199−D8−70 (179m) Lag (12 Days)

Detect
Non−detect
Pre−Remedy
Post−Remedy

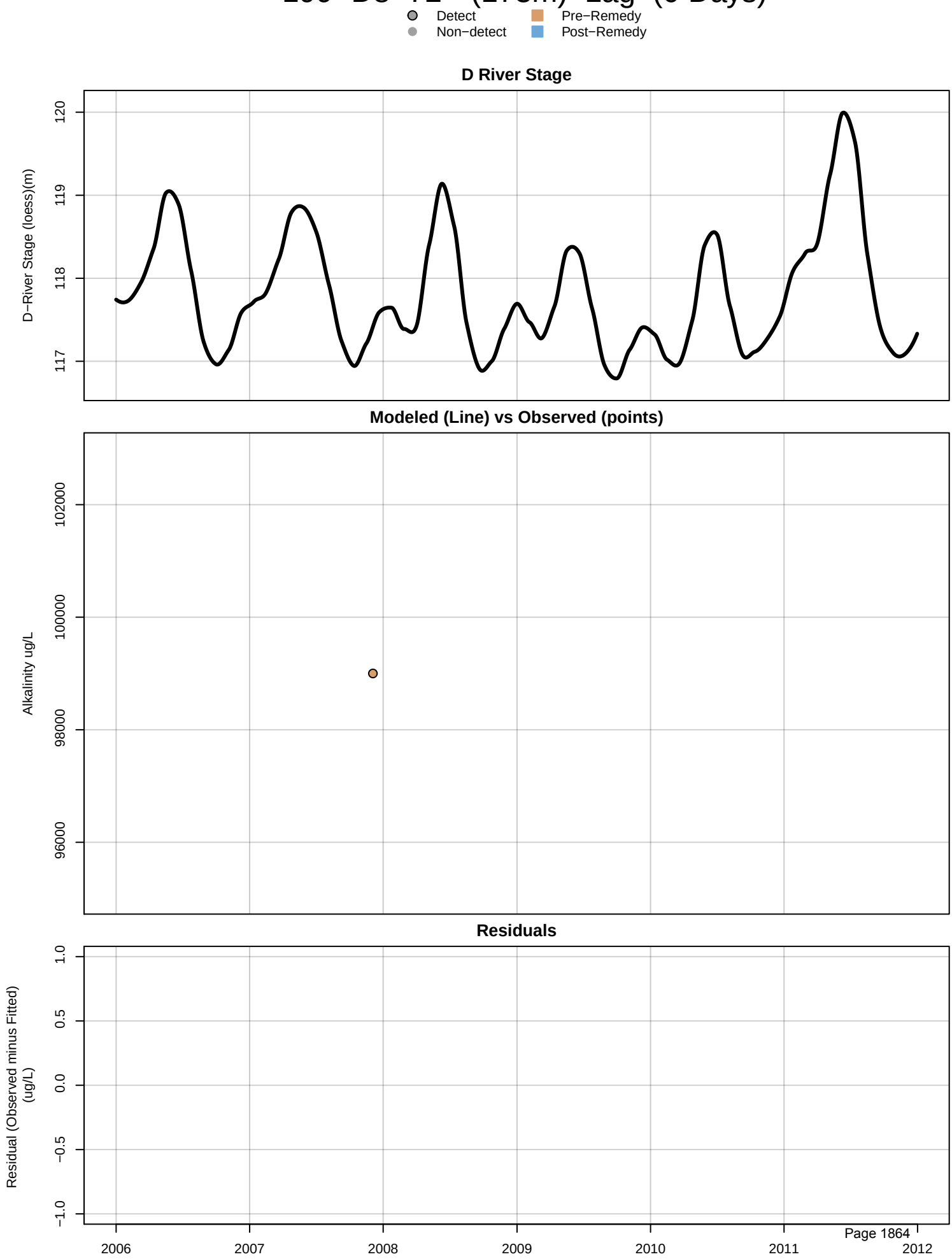


199−D8−71 (173m) Lag (11 Days)

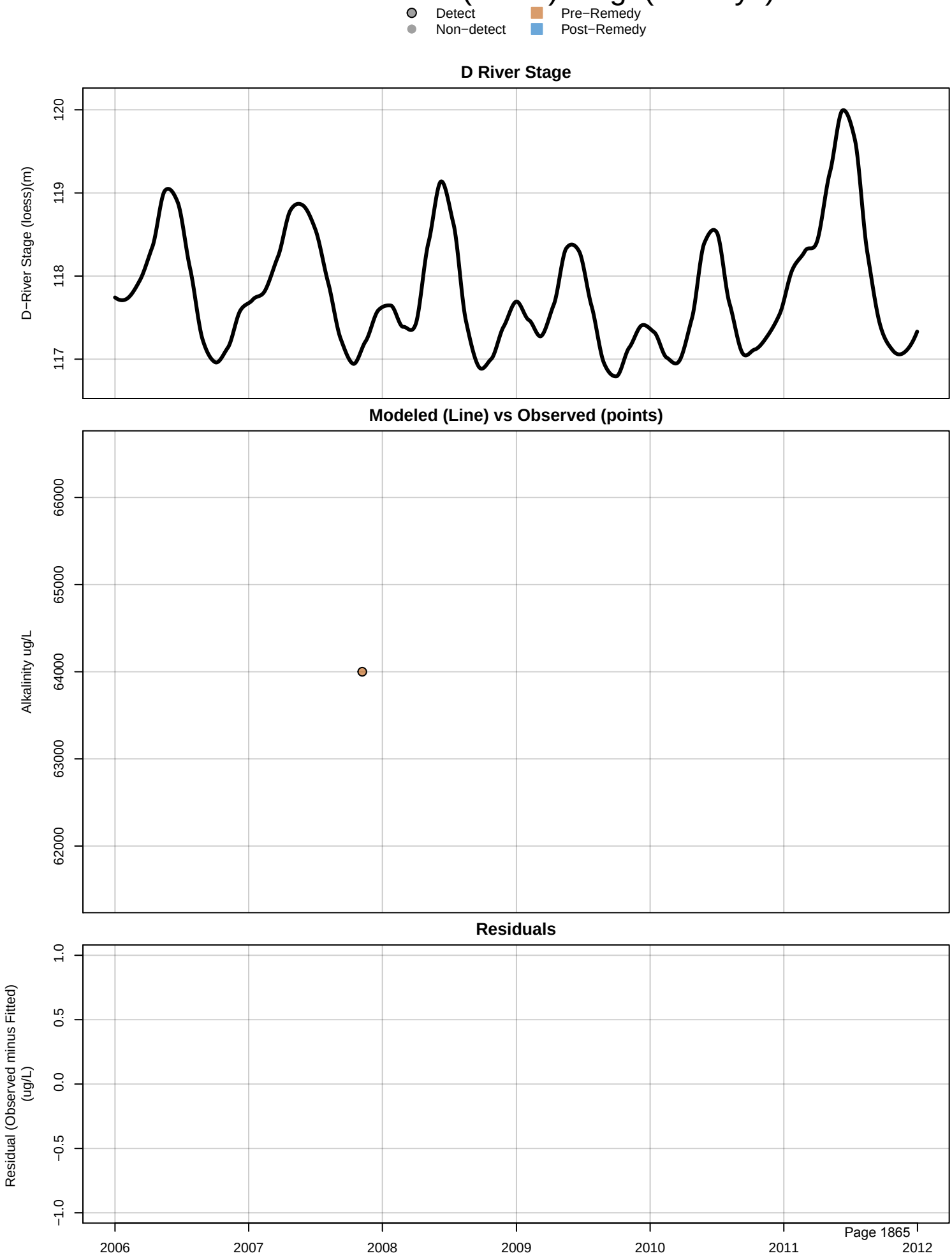
Detect
Non−detect
Pre−Remedy
Post−Remedy



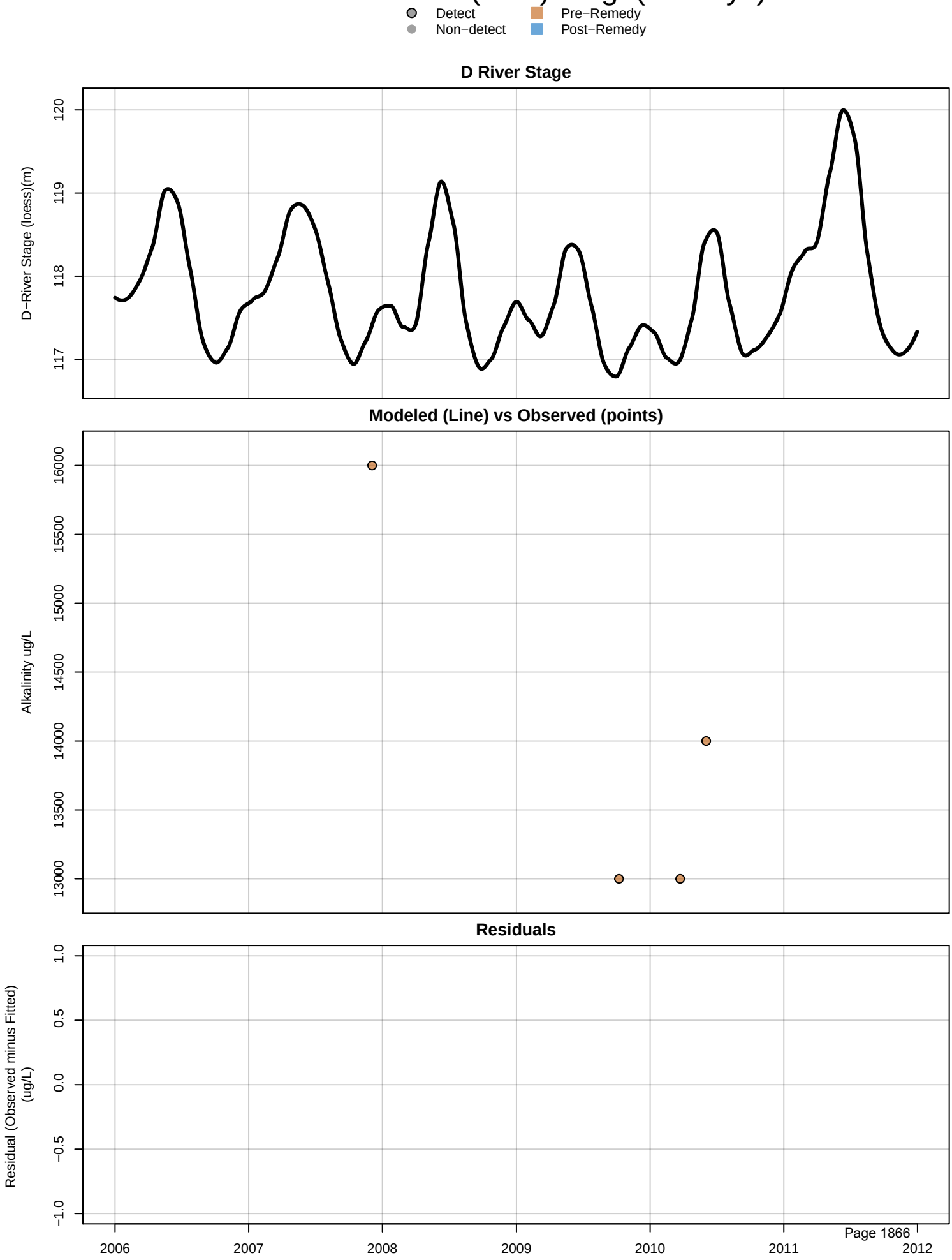
199−D8−72* (173m) Lag (0 Days)



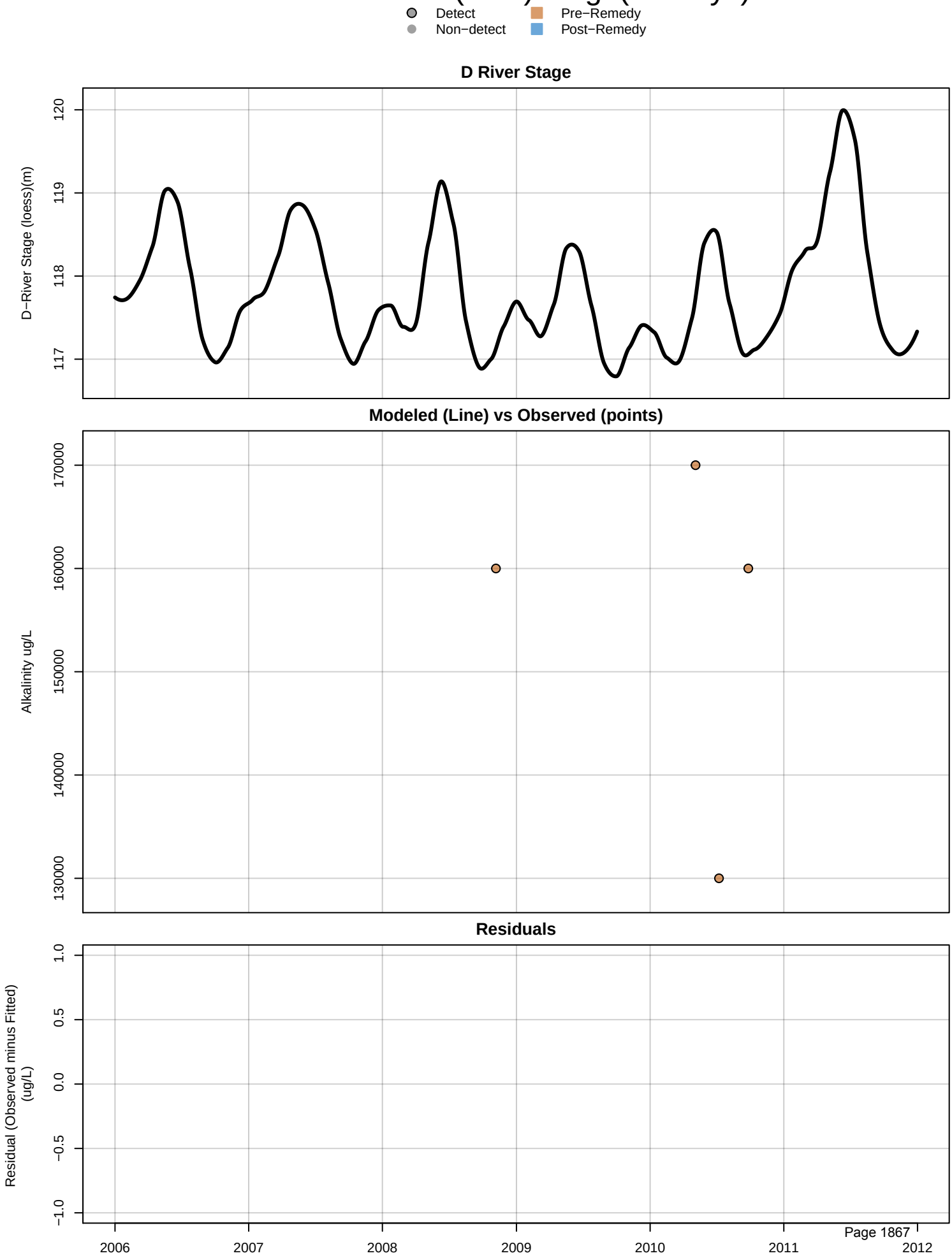
199−D8−73* (118m) Lag (15 Days)



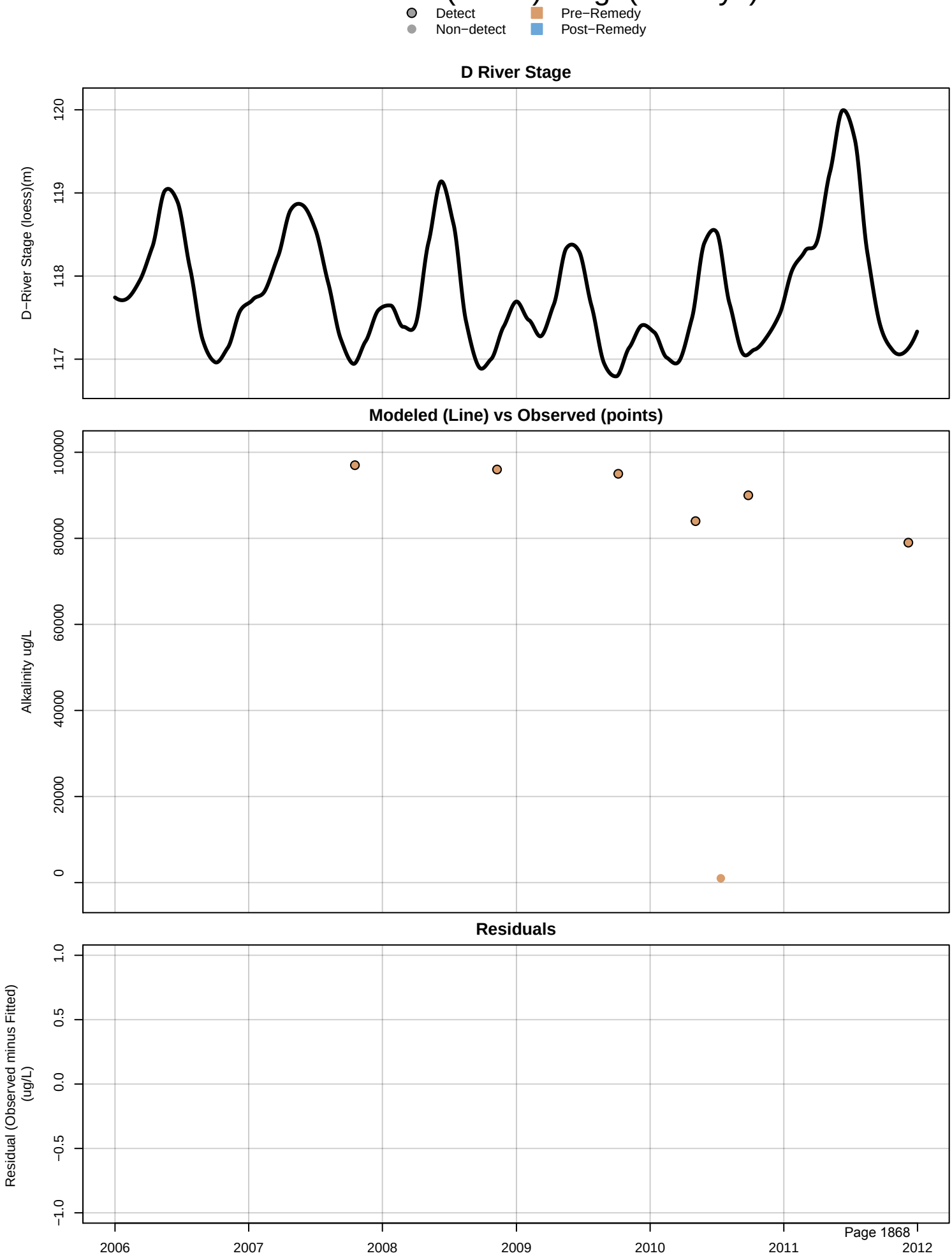
199−D8−88* (95m) Lag (18 Days)



199−F1−2 (89m) Lag (14 Days)

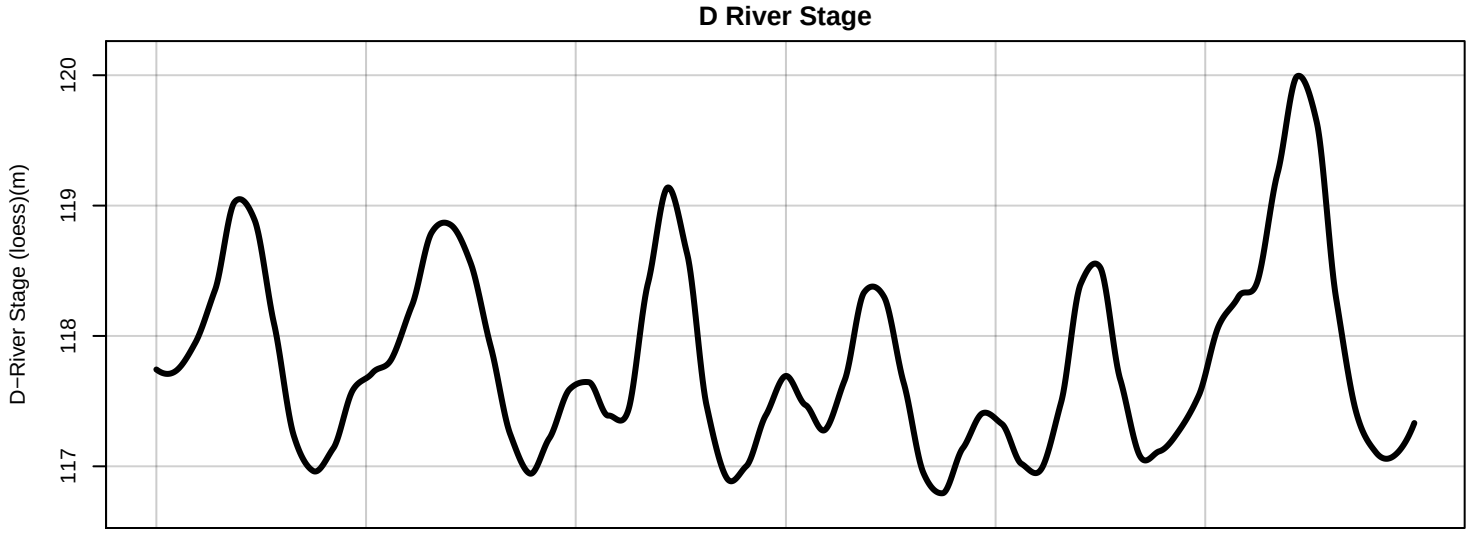


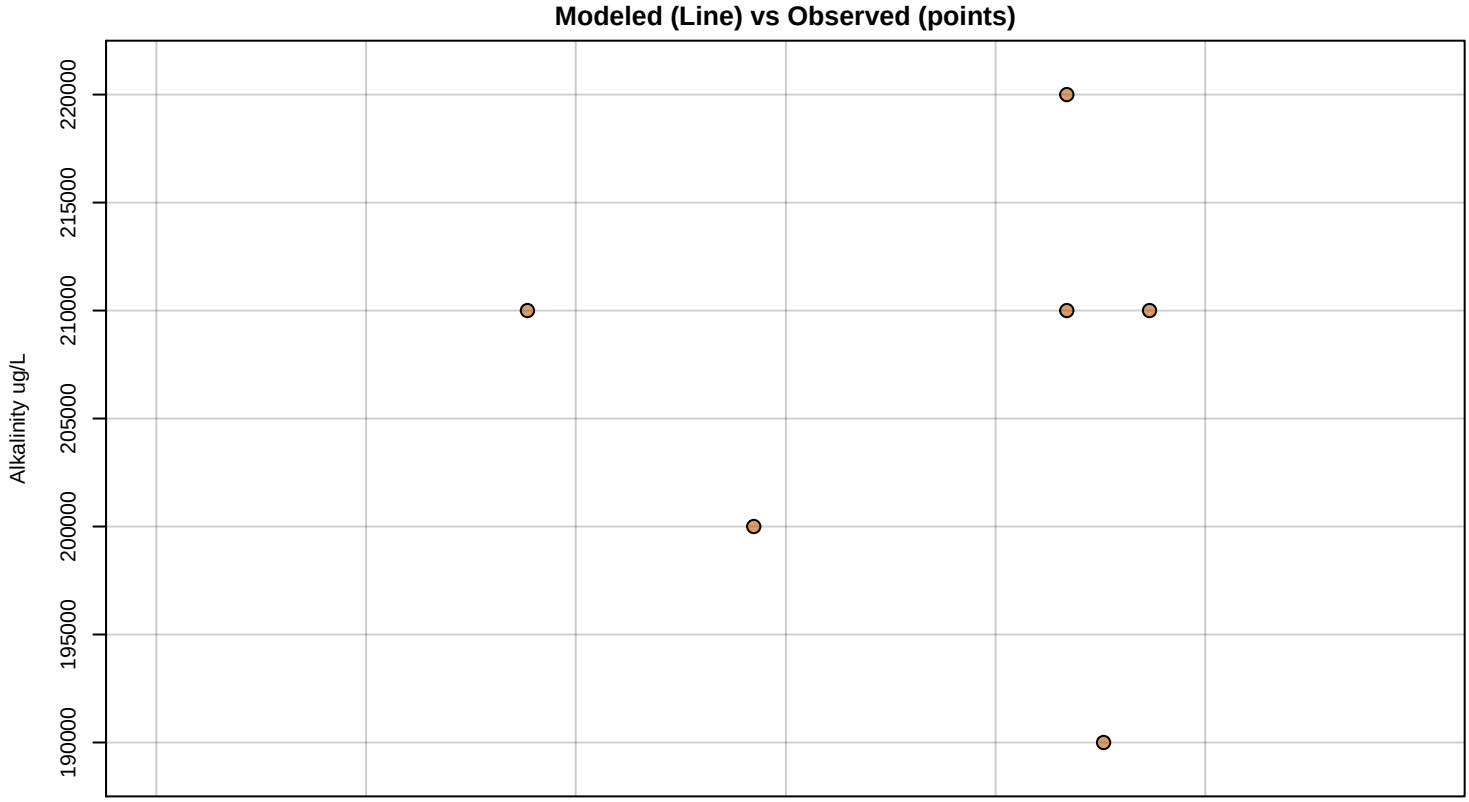
199−F5−1 (106m) Lag (20 Days)

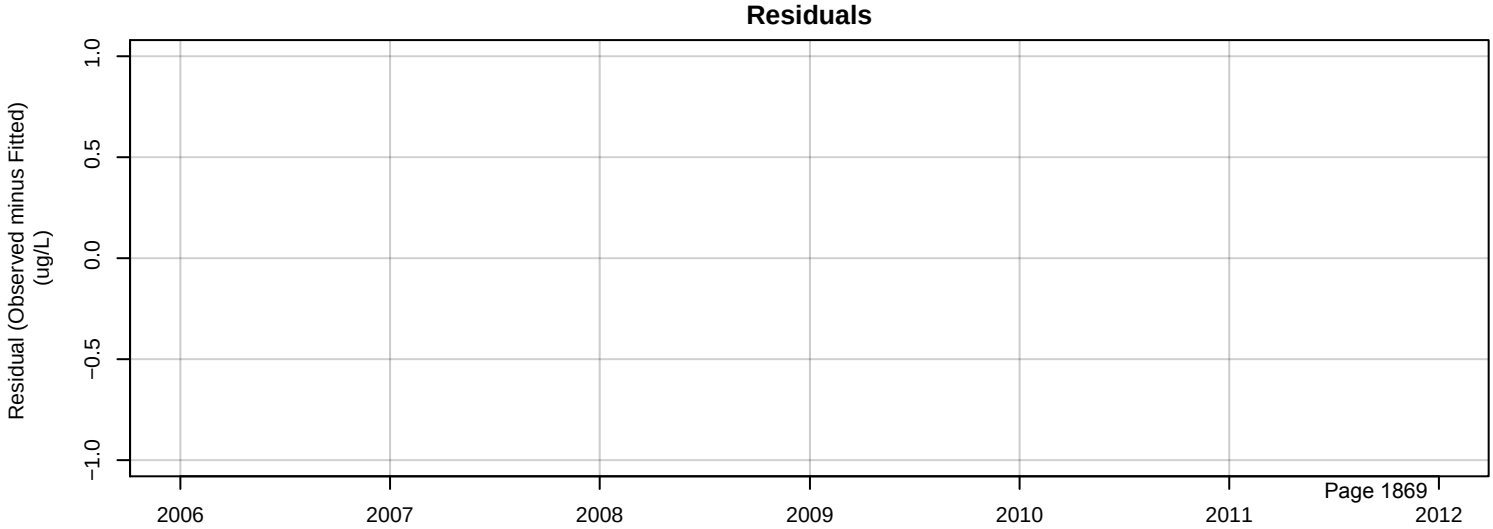


199−F5−4 (722m) Lag (64 Days)

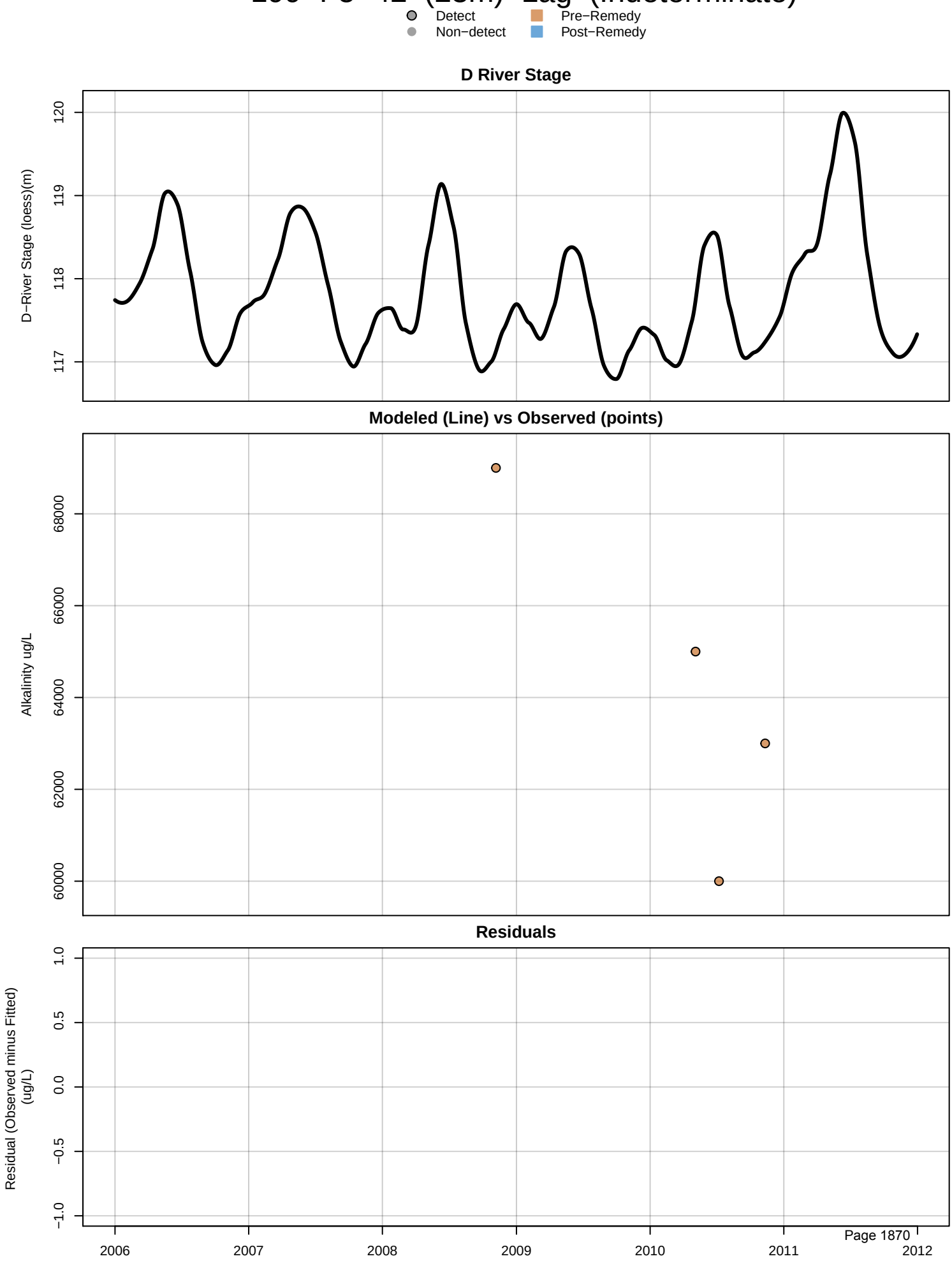
Detect
Non−detect
Pre−Remedy
Post−Remedy





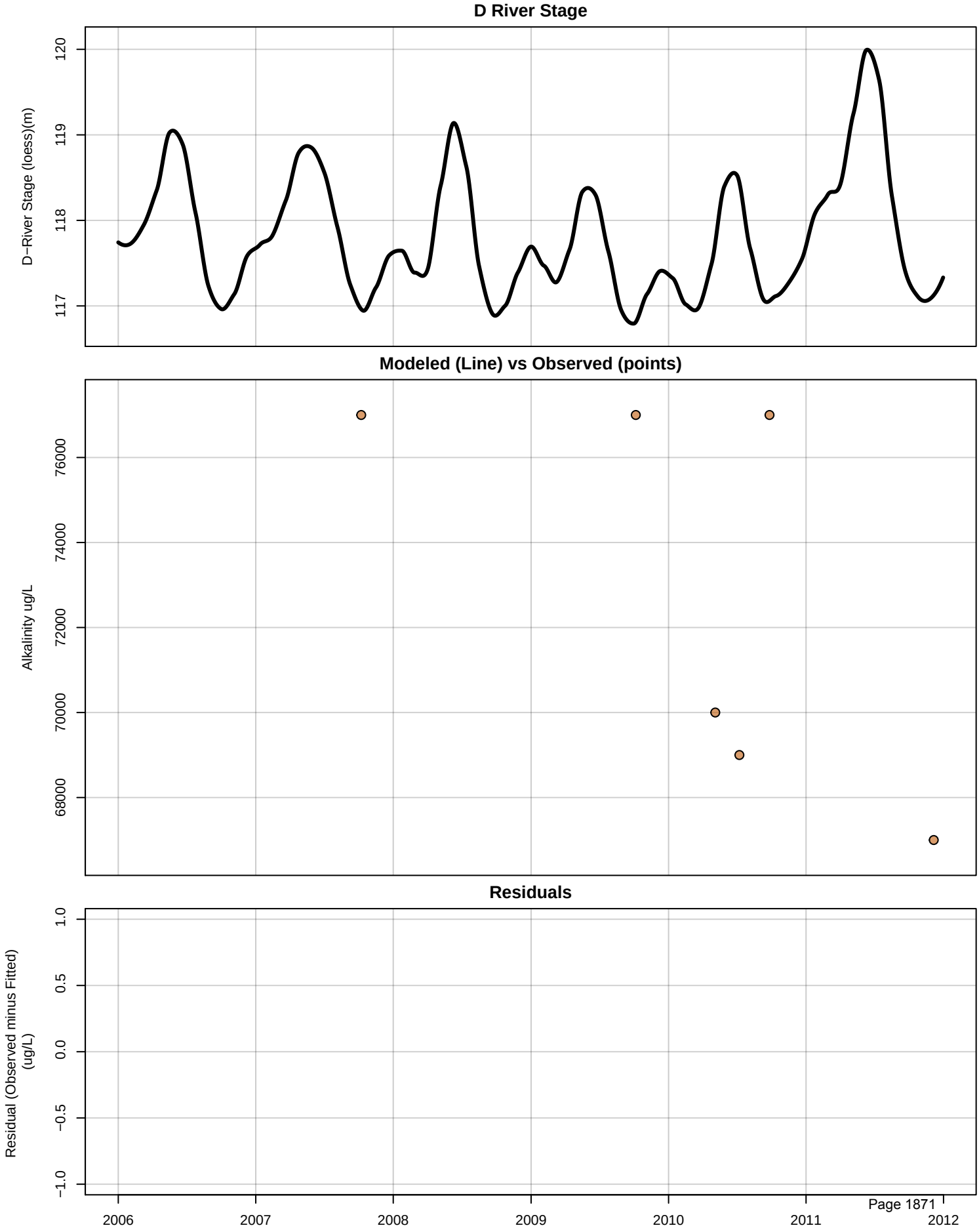


199−F5−42 (23m) Lag (Indeterminate)



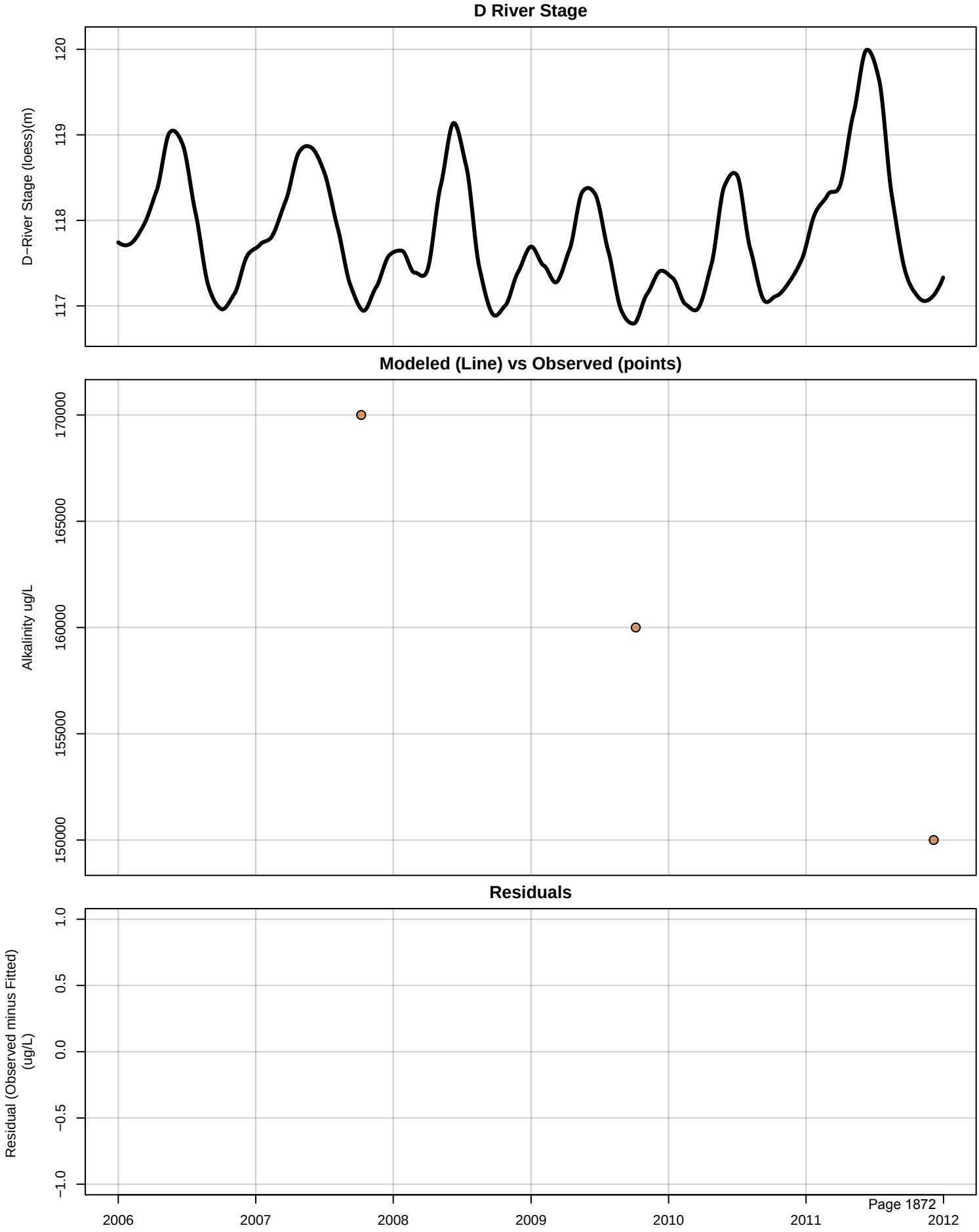
199−F5−43A (28m) Lag (10 Days)

Detect
Non−detect
Pre−Remedy
Post−Remedy

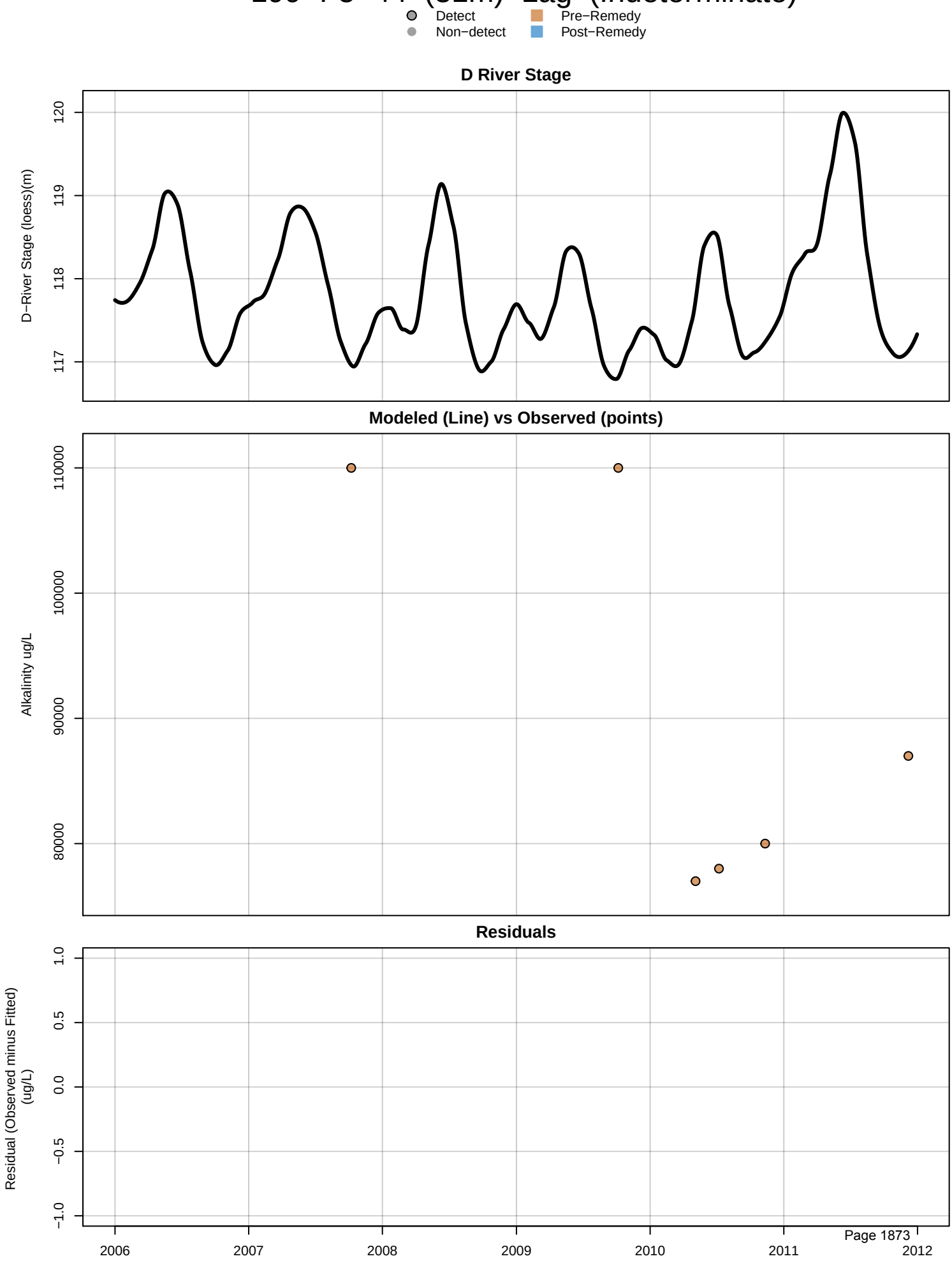


199−F5−43B (27m) Lag (Indeterminate)

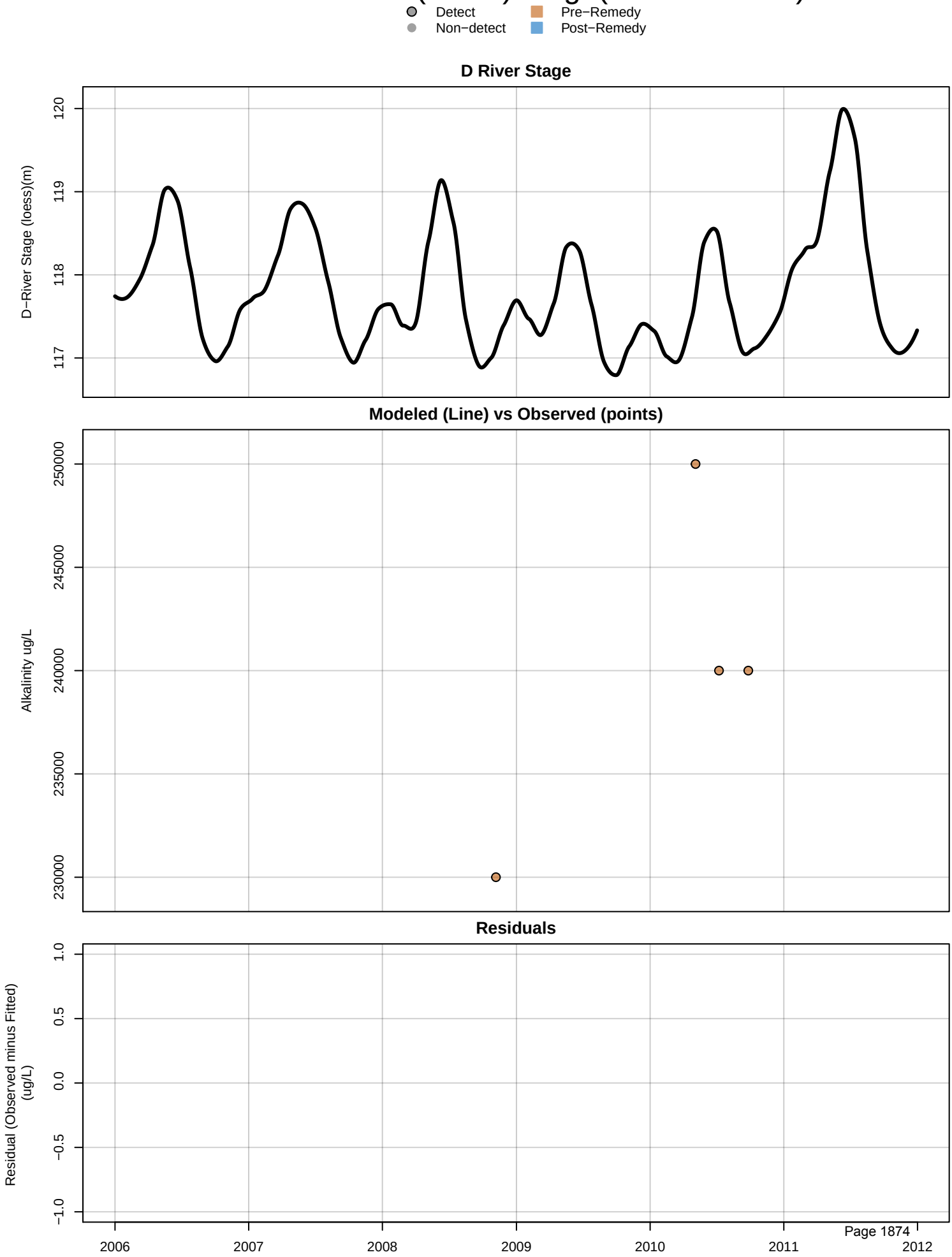
Detect
Non−detect
Pre−Remedy
Post−Remedy



199−F5−44 (31m) Lag (Indeterminate)

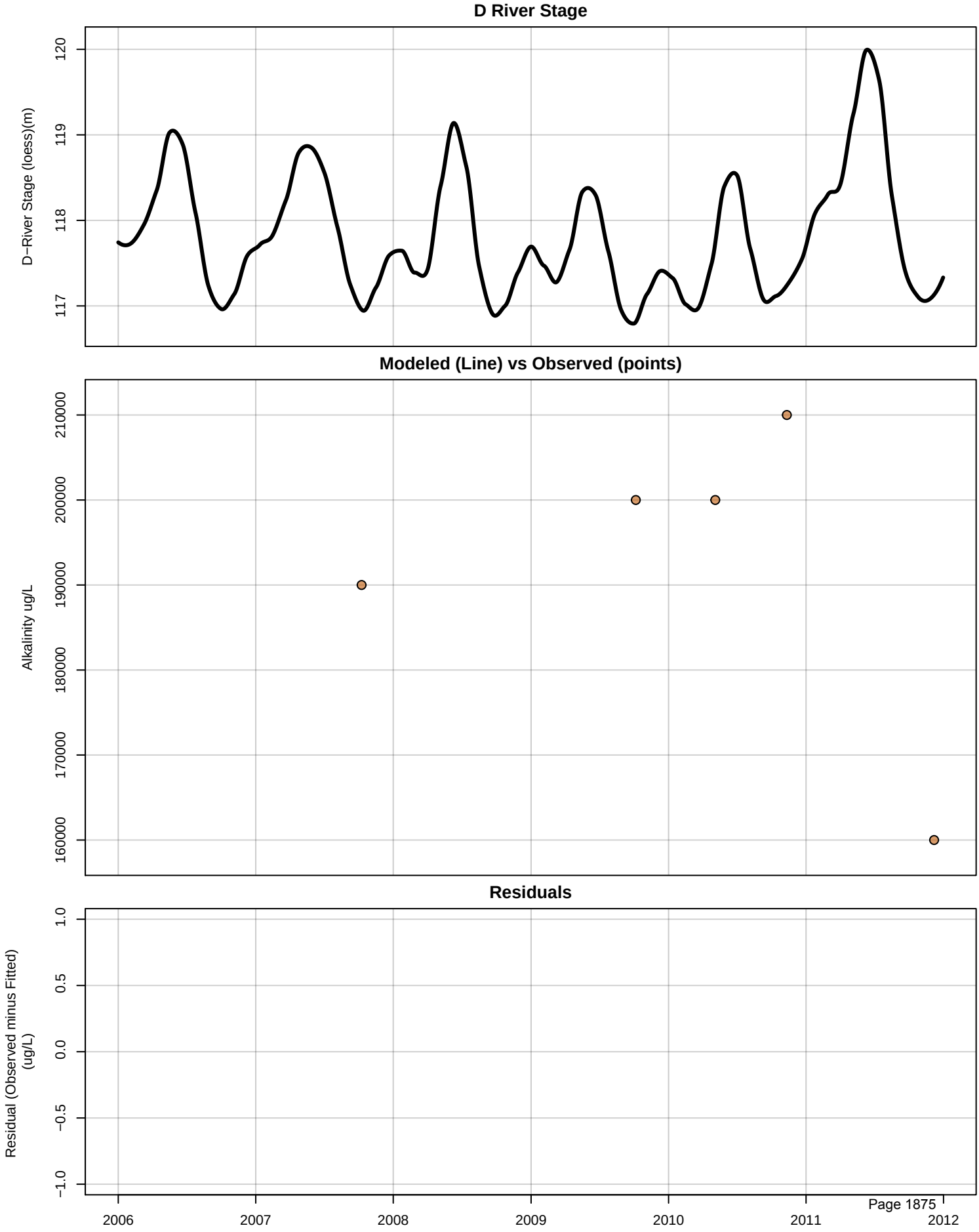


199−F5−45 (530m) Lag (Indeterminate)

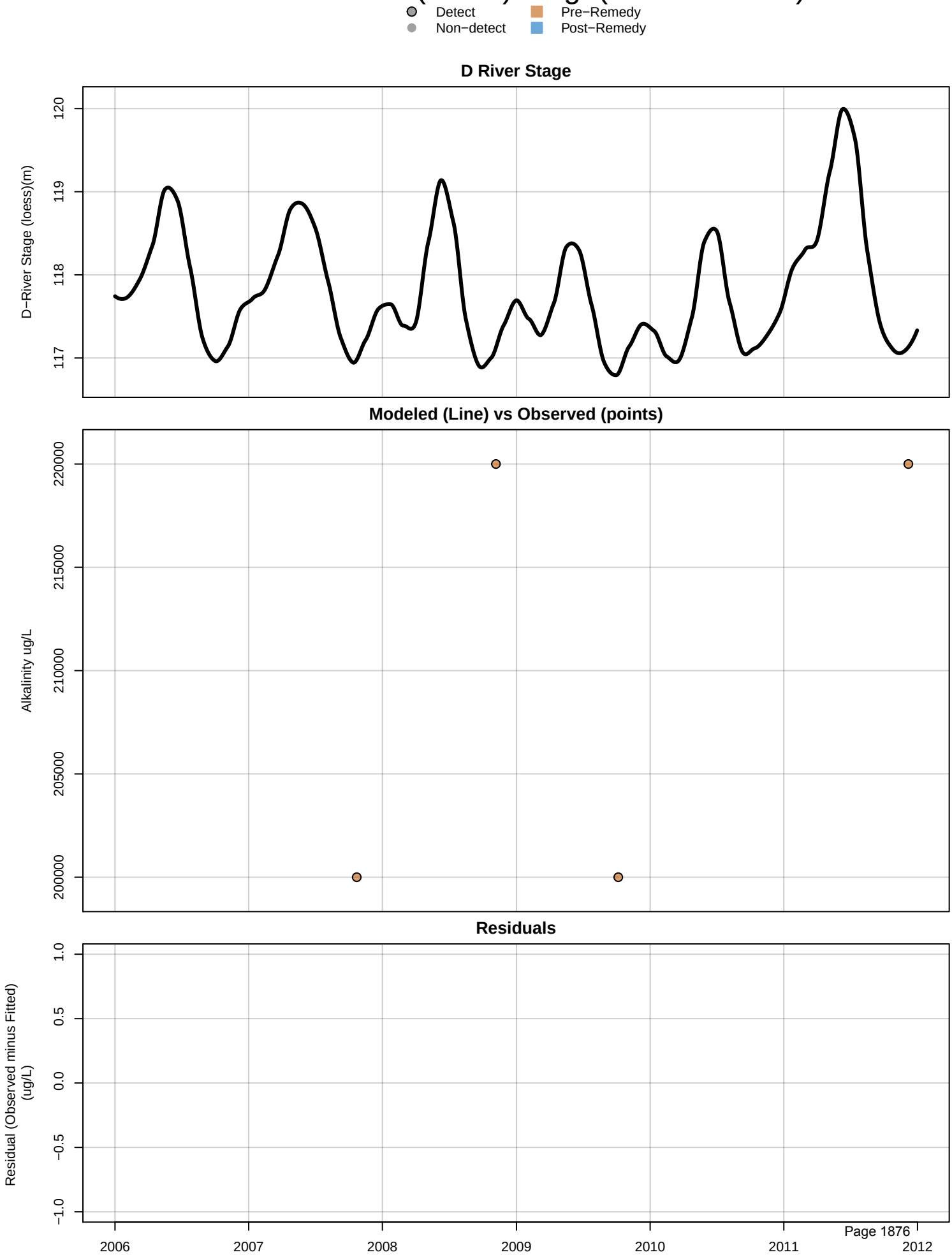


199−F5−46 (371m) Lag (30 Days)

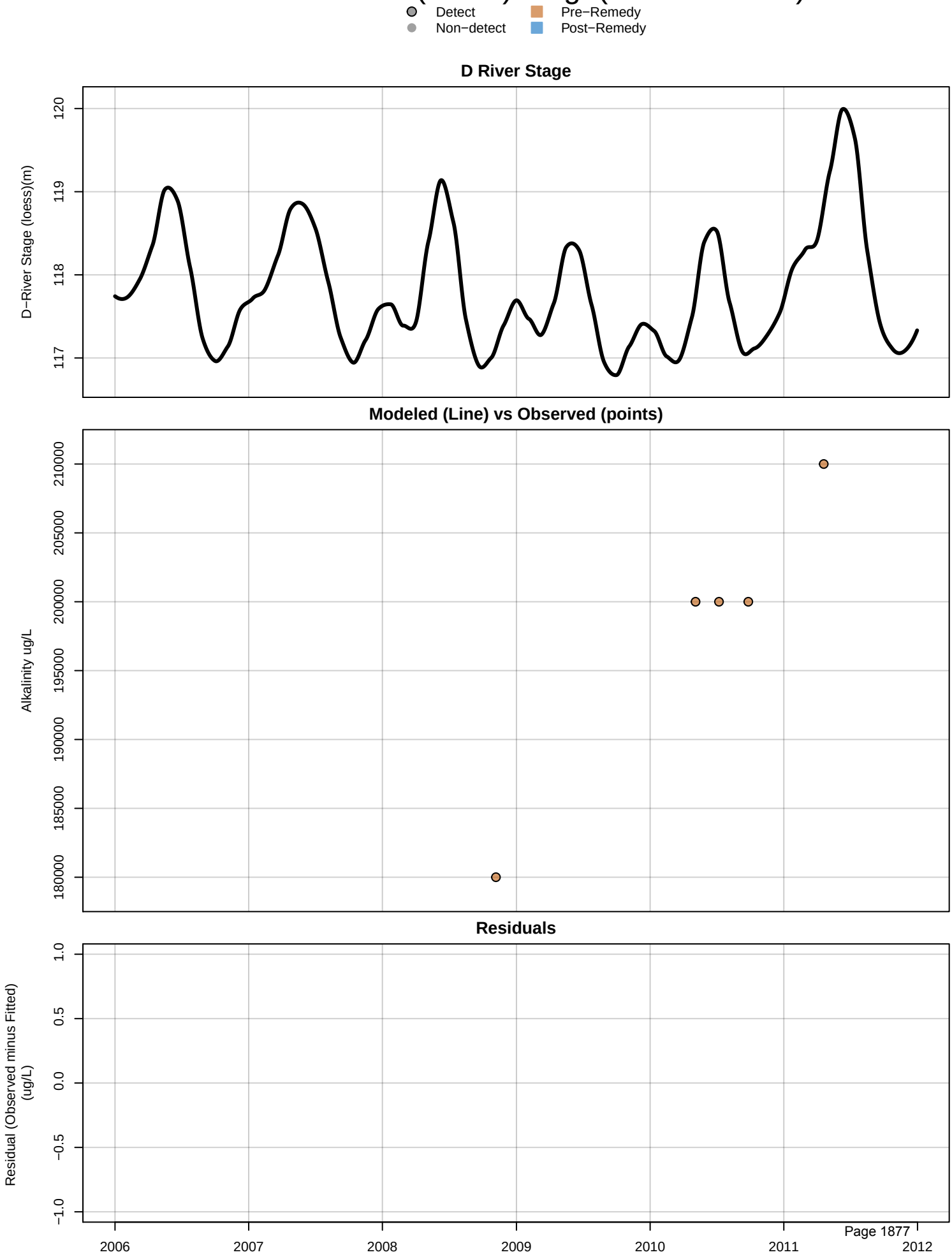
Detect
Non−detect
Pre−Remedy
Post−Remedy



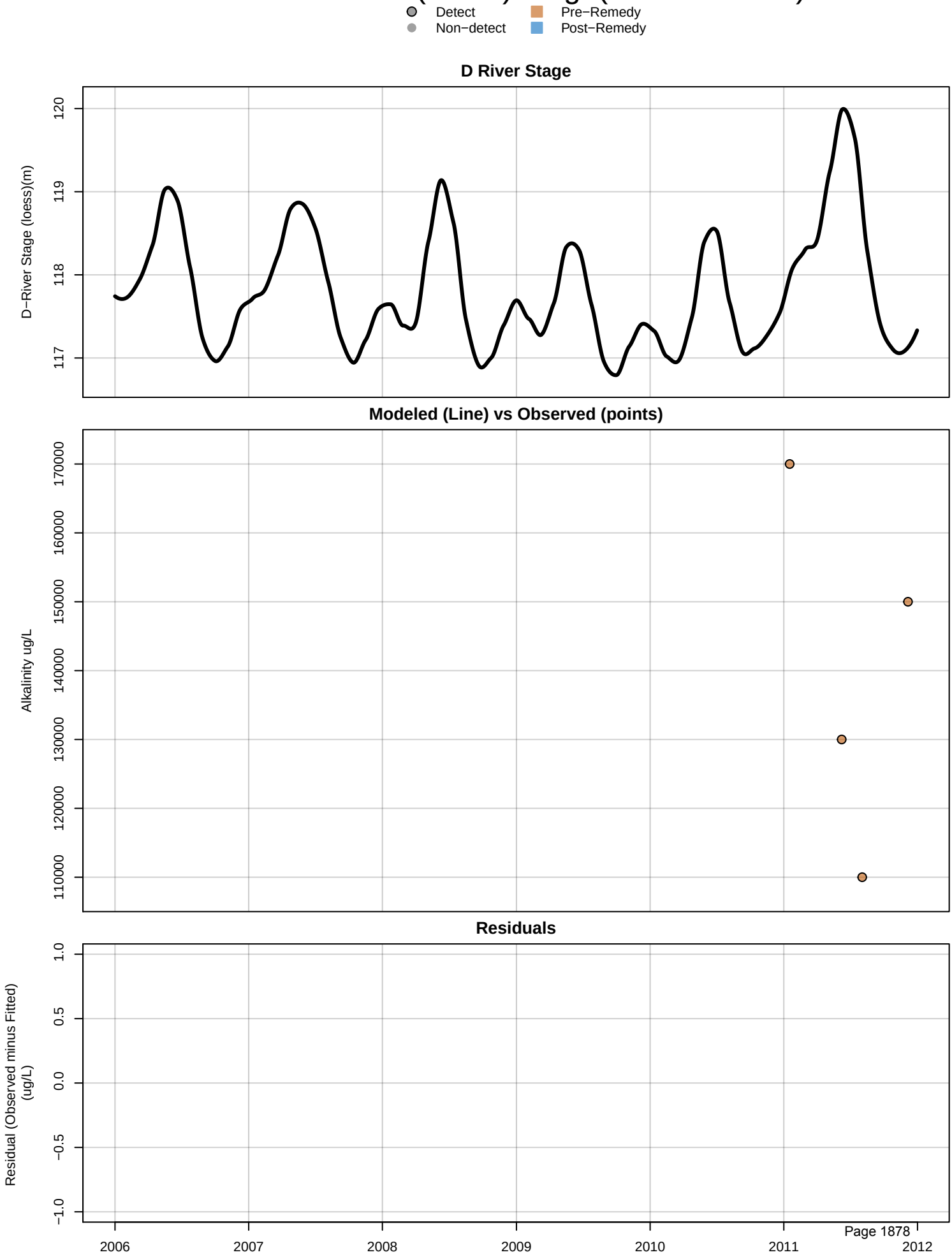
199−F5−47 (792m) Lag (Indeterminate)



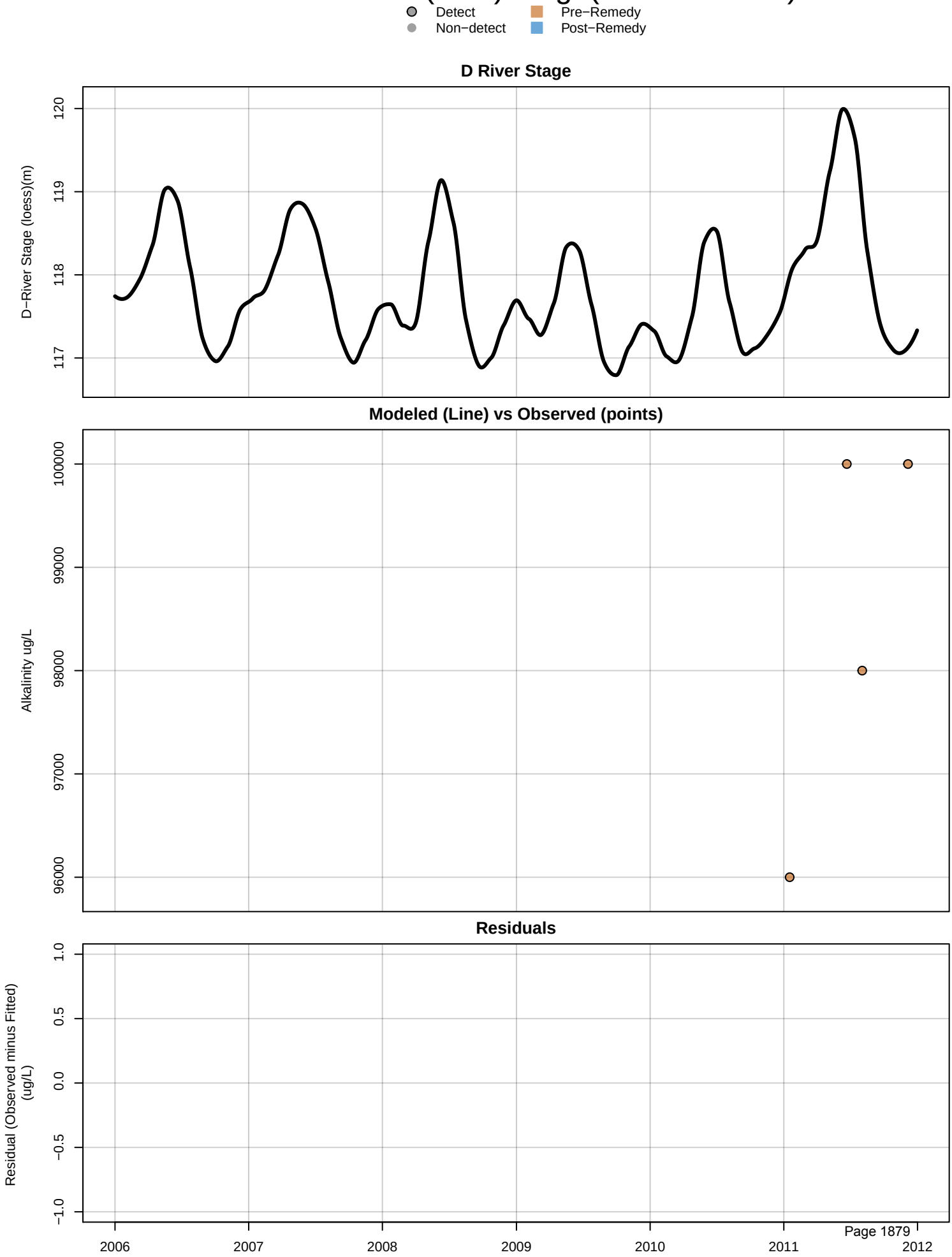
199−F5−48 (637m) Lag (Indeterminate)



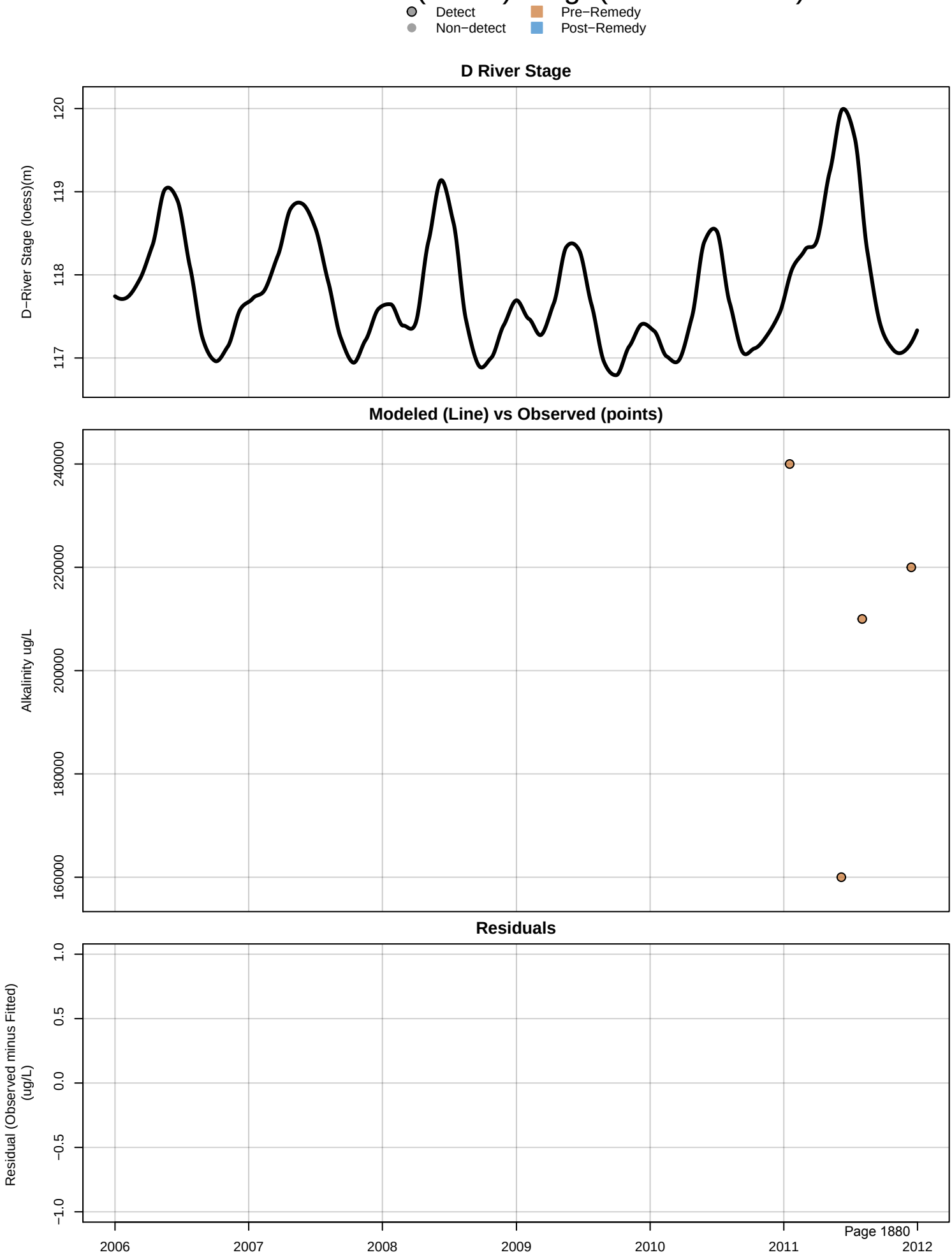
199−F5−52 (186m) Lag (Indeterminate)



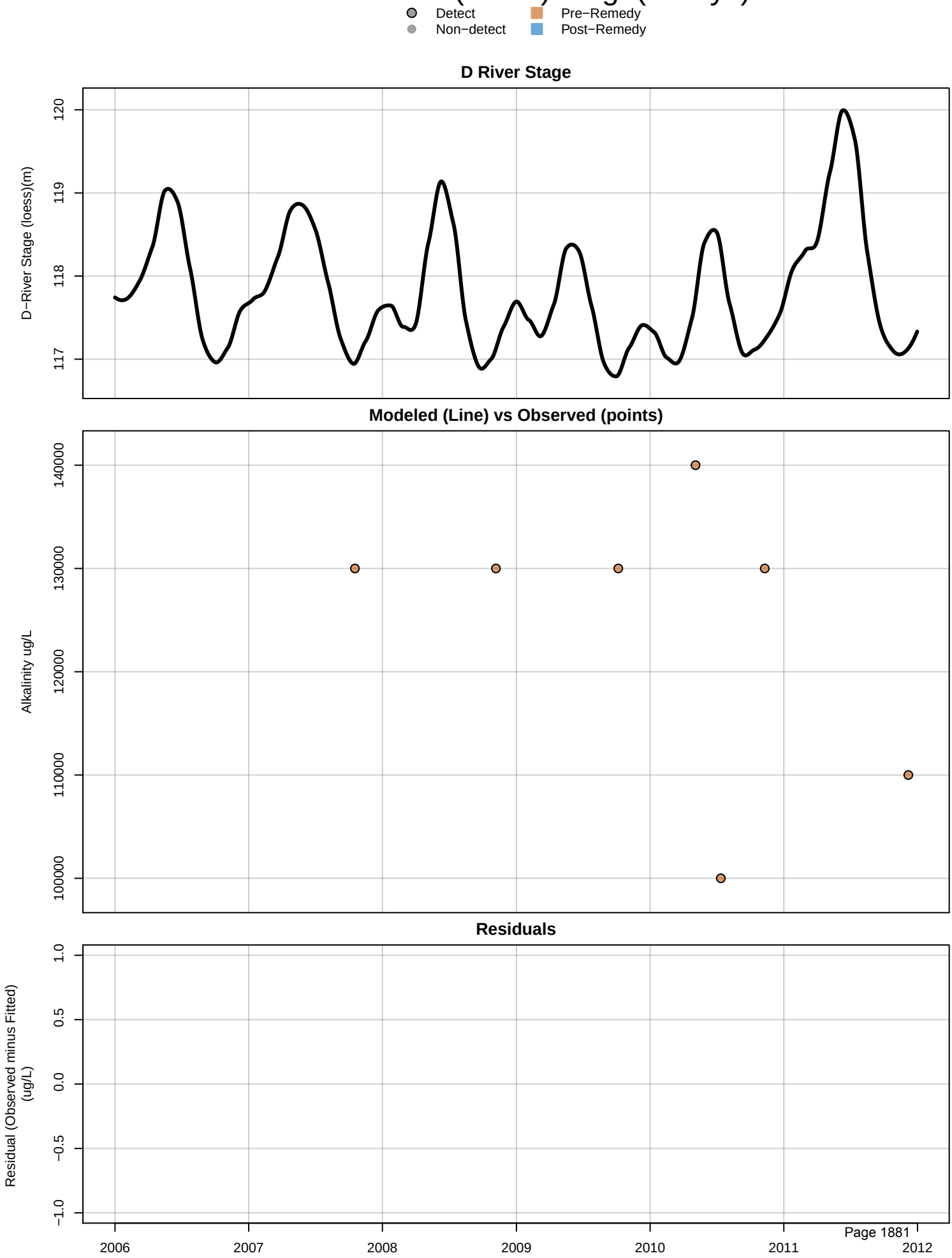
199−F5−53 (82m) Lag (Indeterminate)



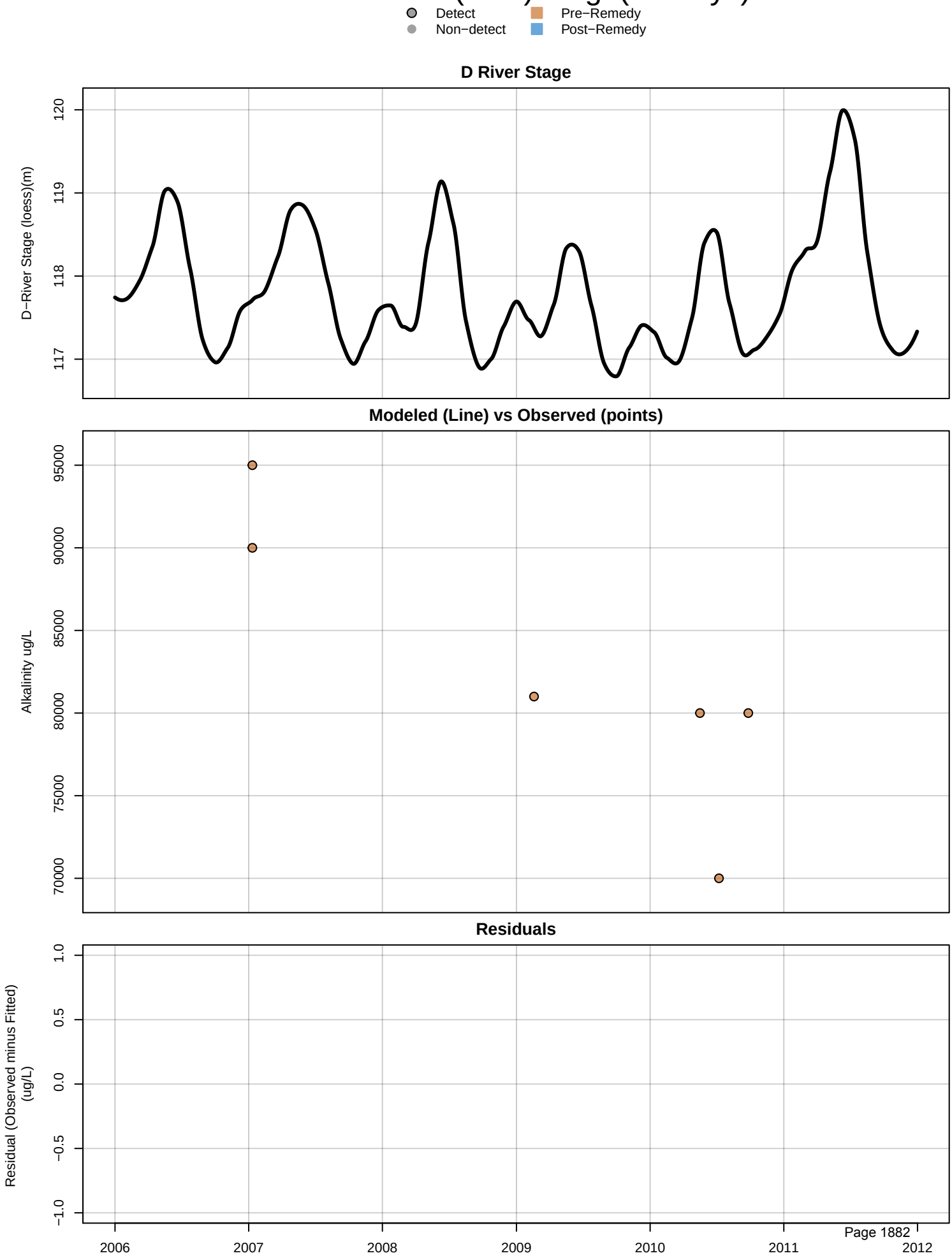
199−F5−54 (248m) Lag (Indeterminate)



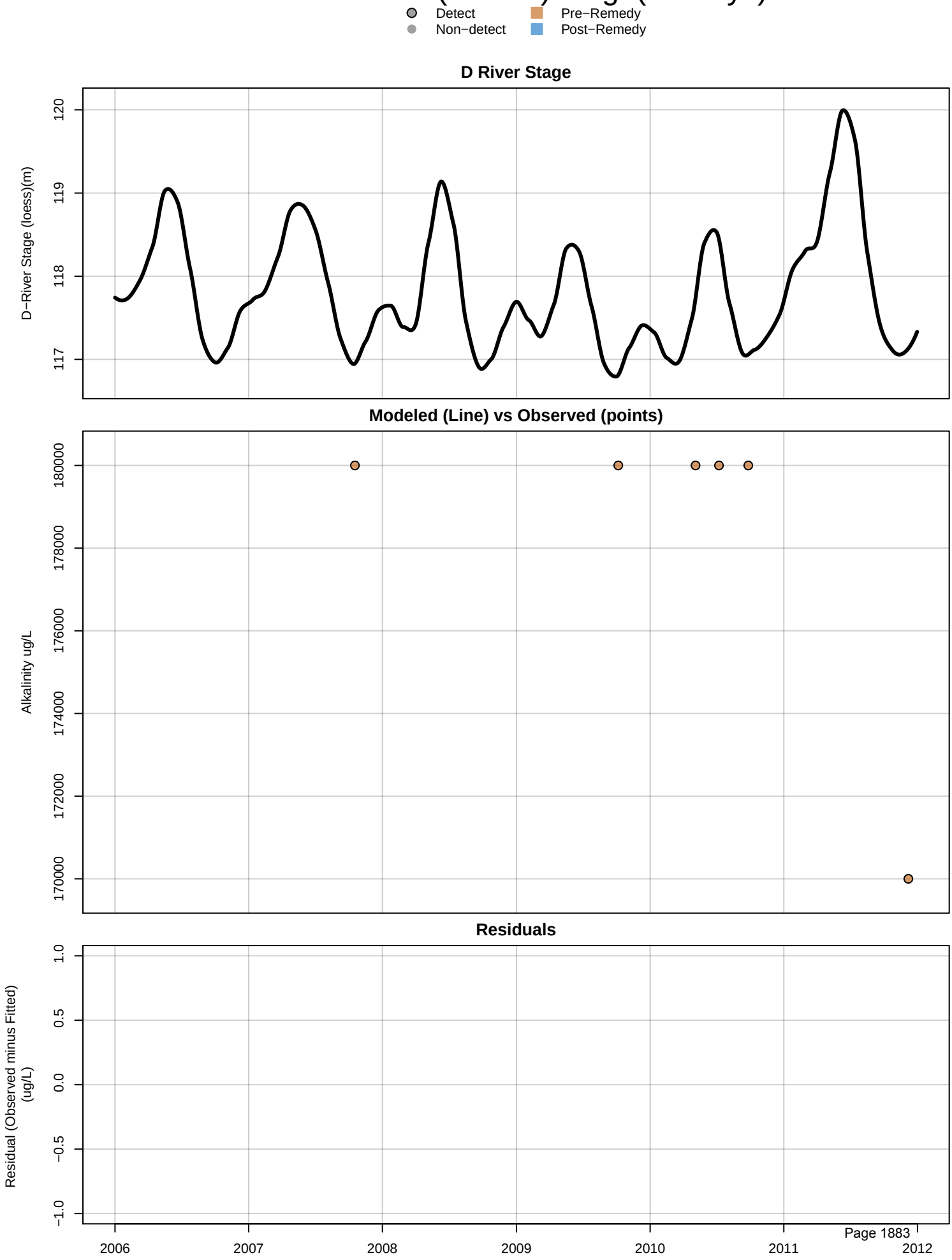
199−F5−6 (123m) Lag (2 Days)



199−F6−1 (51m) Lag (18 Days)

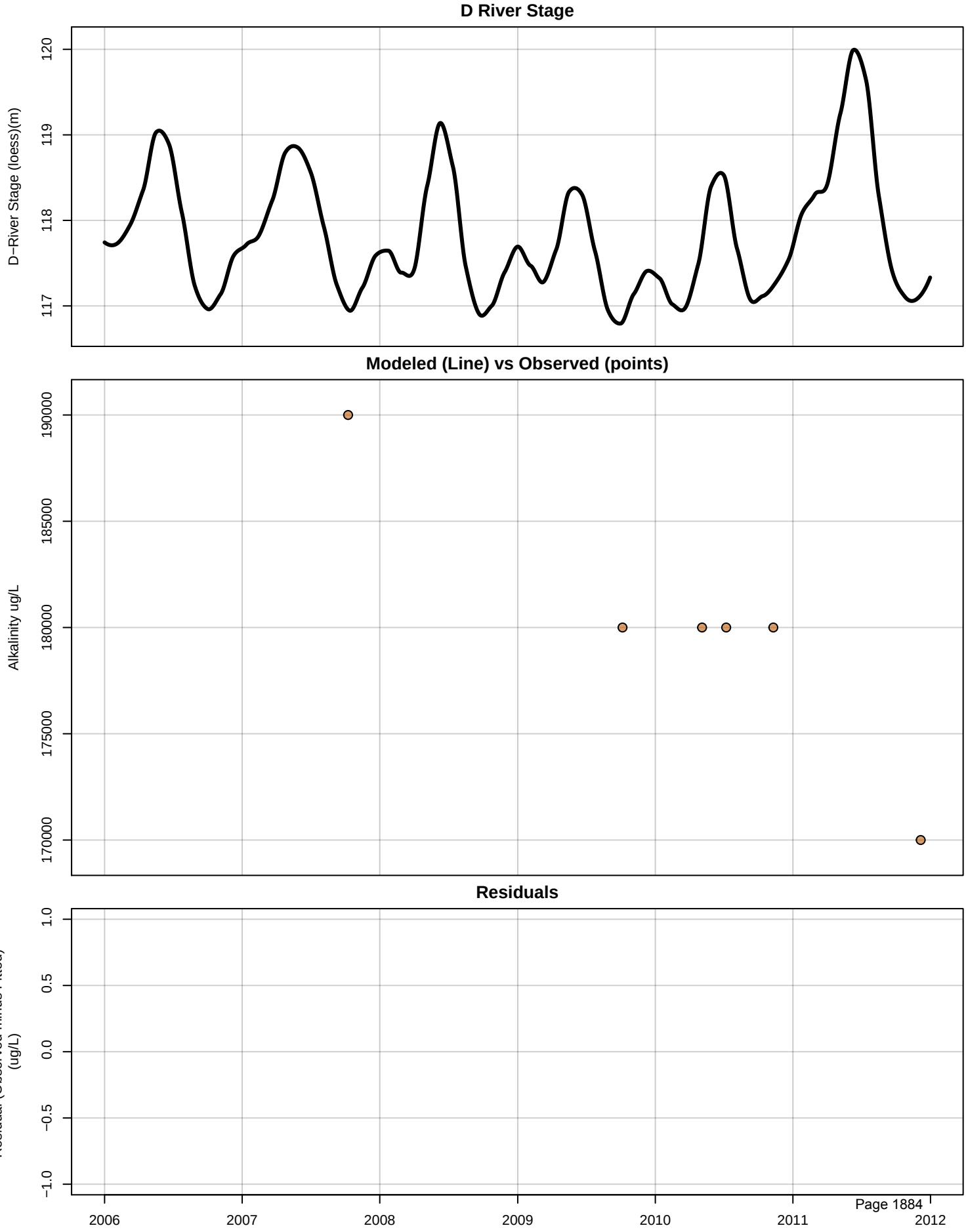


199−F7−1 (1650m) Lag (64 Days)



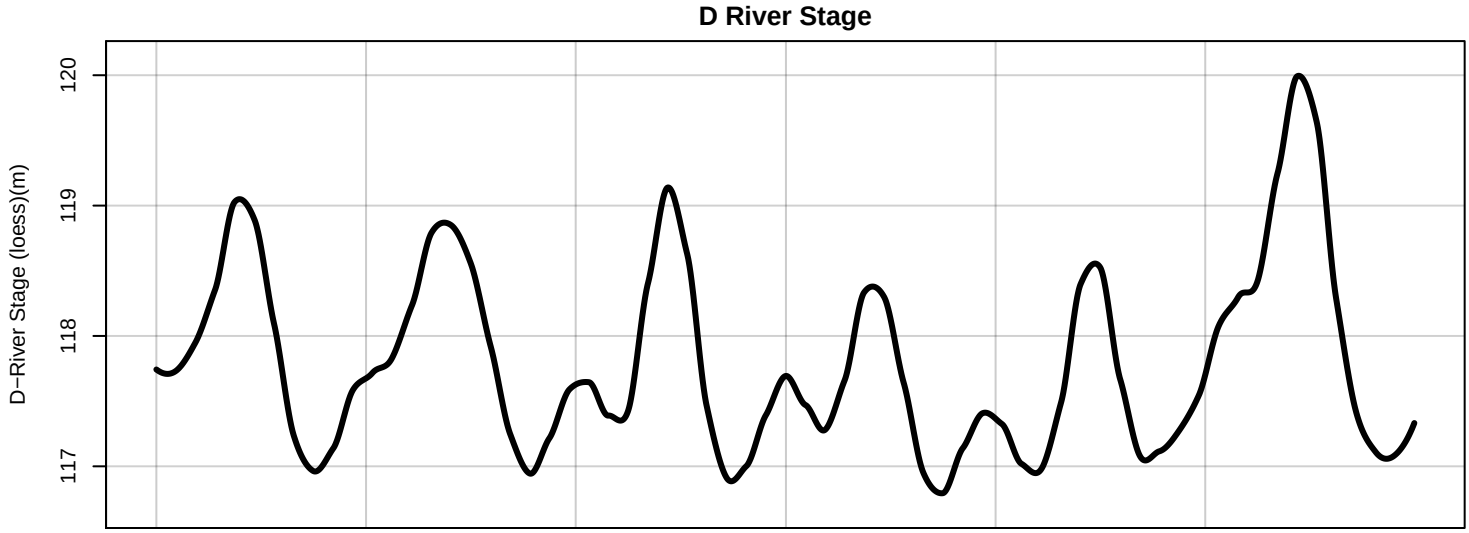
199−F7−2 (829m) Lag (81 Days)

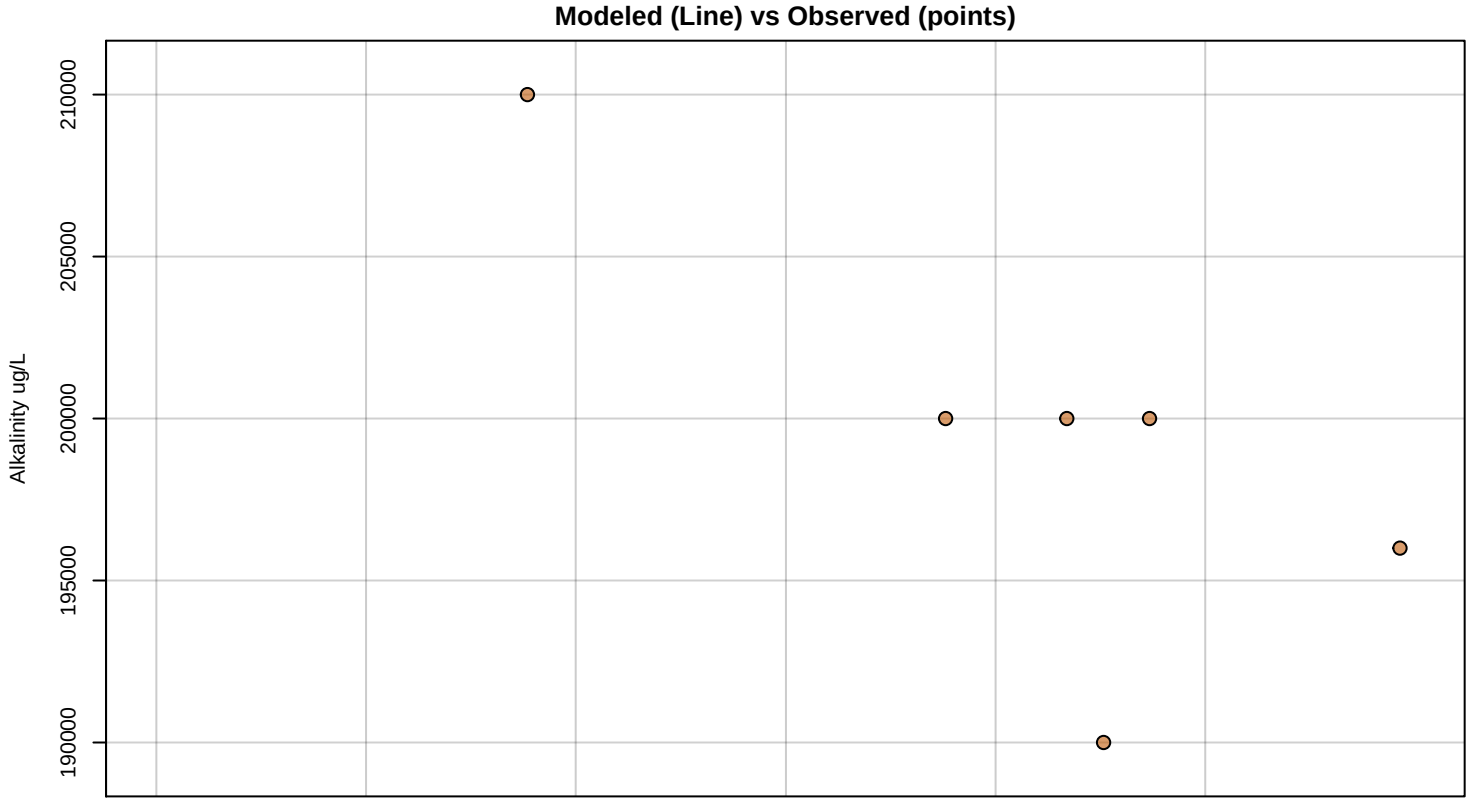
Detect
Non−detect
Pre−Remedy
Post−Remedy

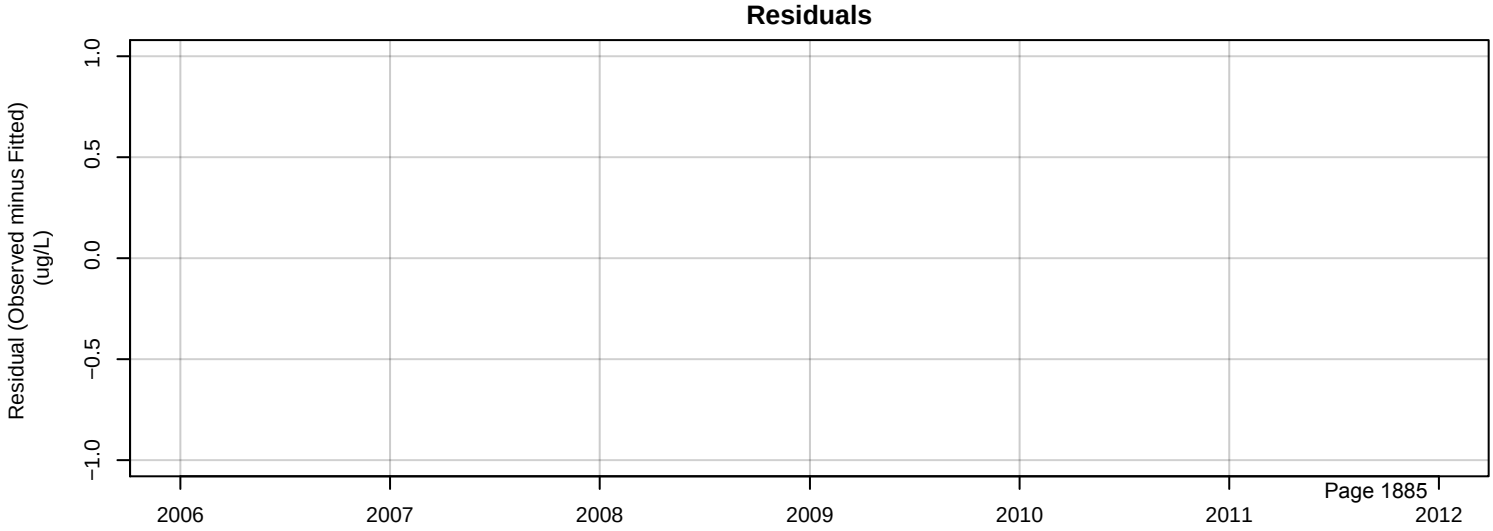


199−F7−3 (1468m) Lag (171 Days)

Detect
Non−detect
Pre−Remedy
Post−Remedy

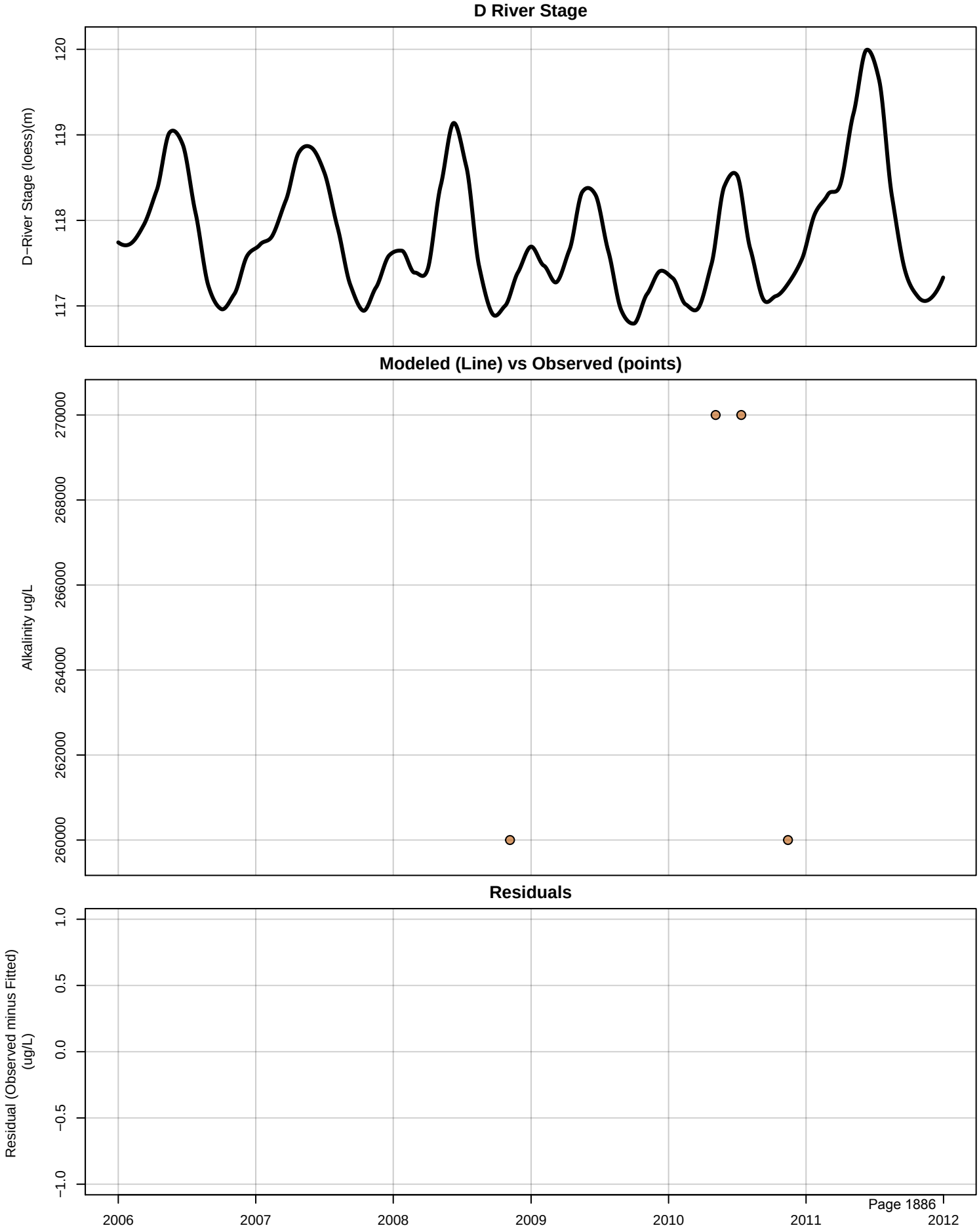






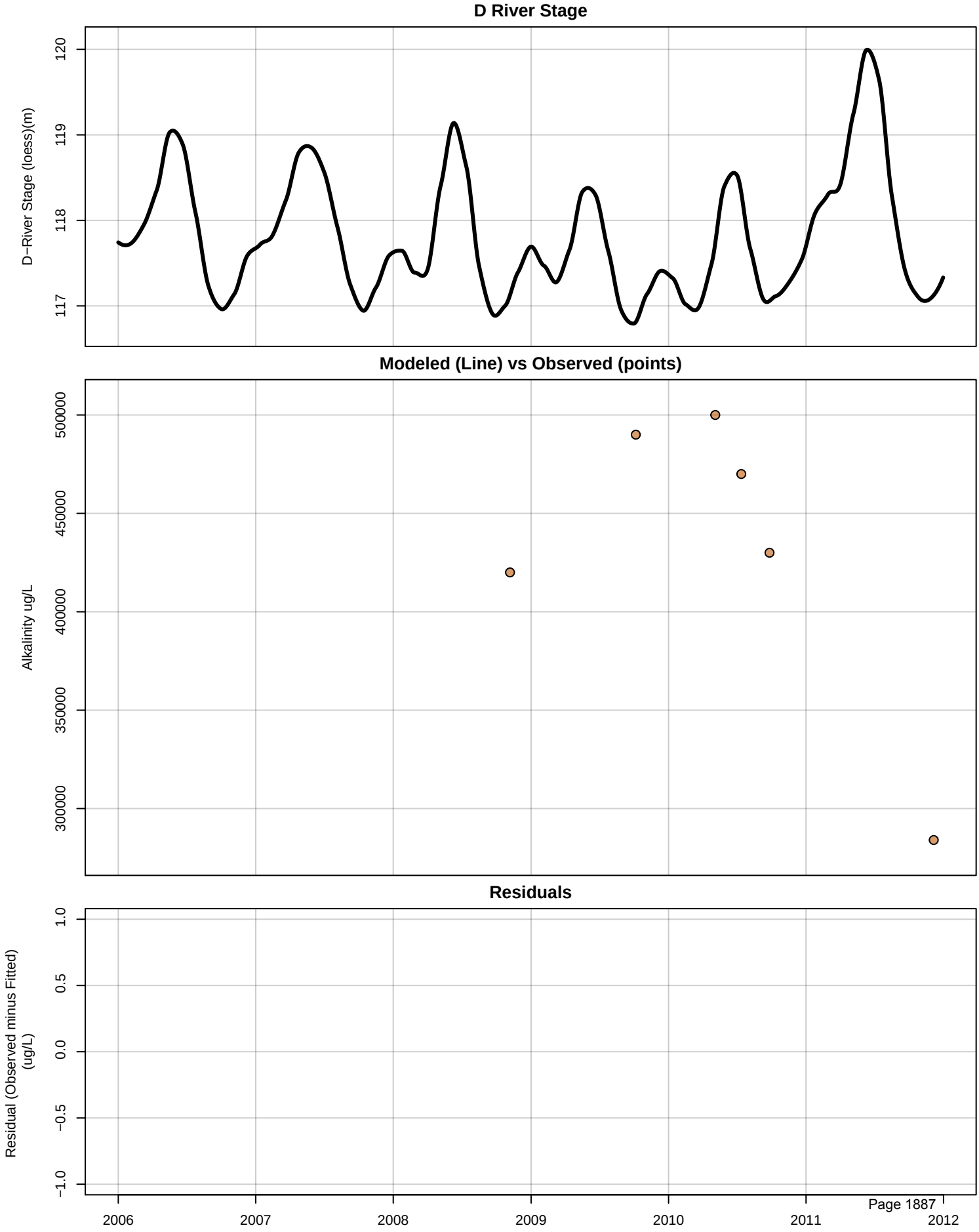
199−F8−2 (899m) Lag (Indeterminate)

Detect
Non−detect
Pre−Remedy
Post−Remedy

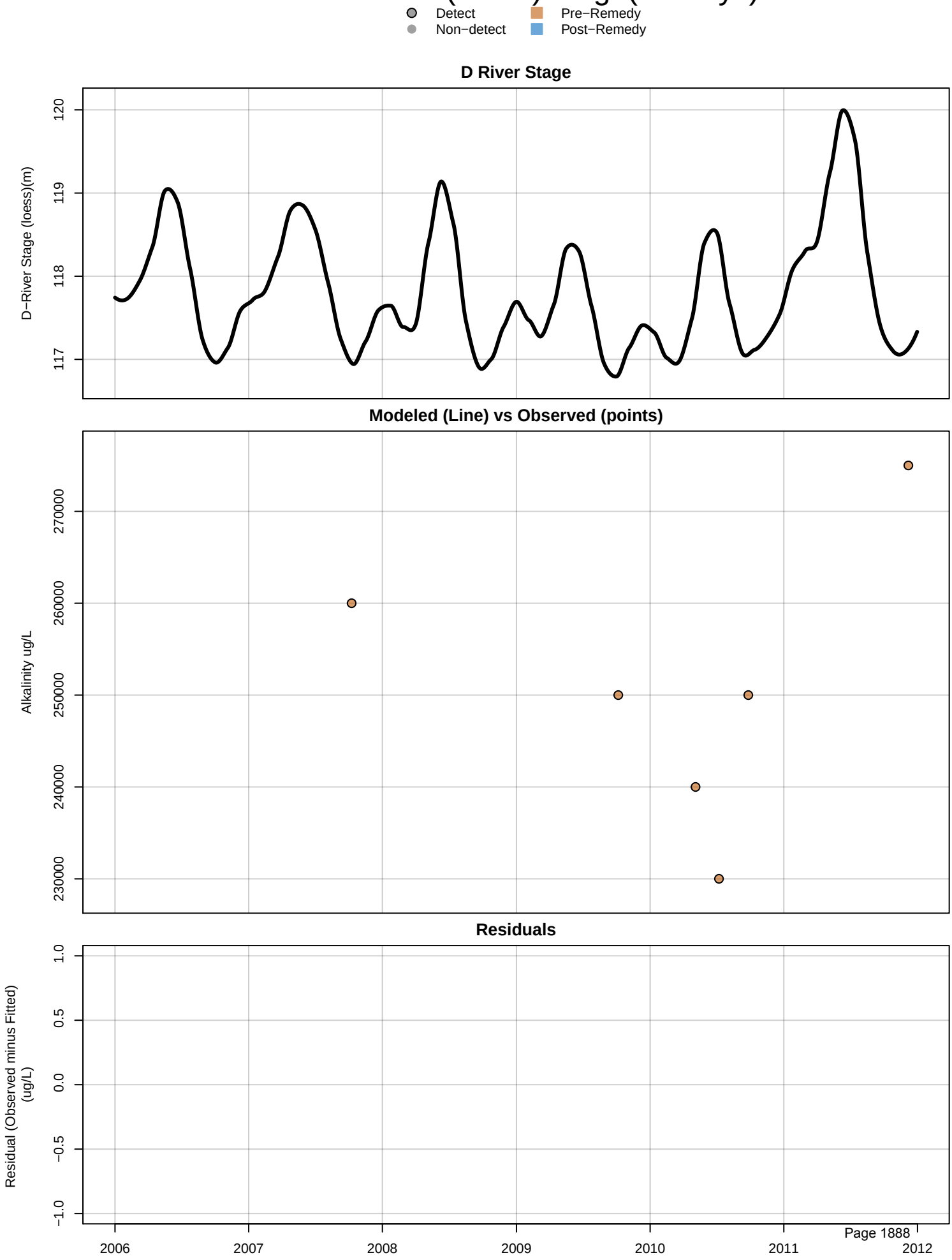


199−F8−3 (1141m) Lag (179 Days)

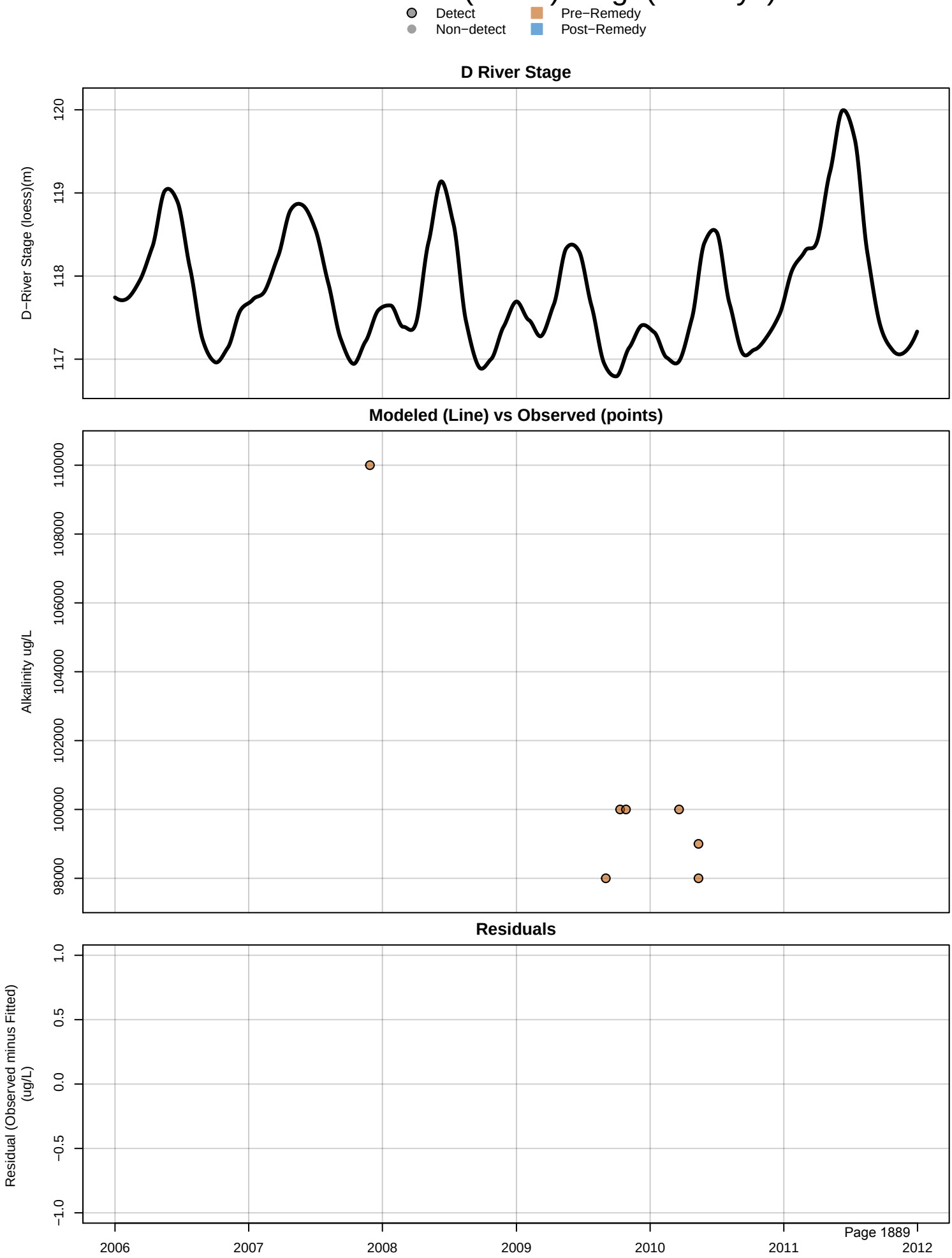
Detect
Non−detect
Pre−Remedy
Post−Remedy



199−F8−4 (610m) Lag (72 Days)

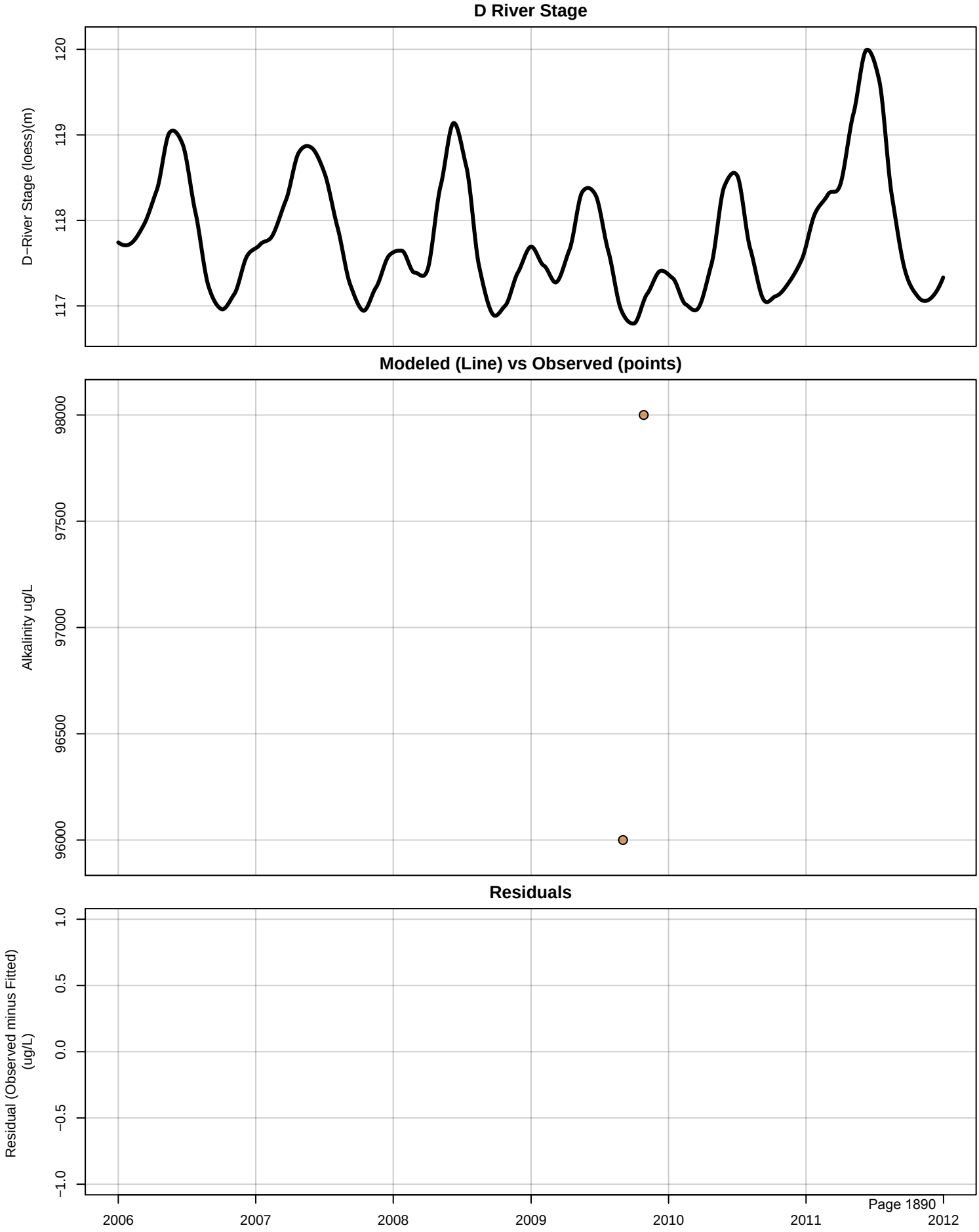


199−H3−2A* (482m) Lag (40 Days)

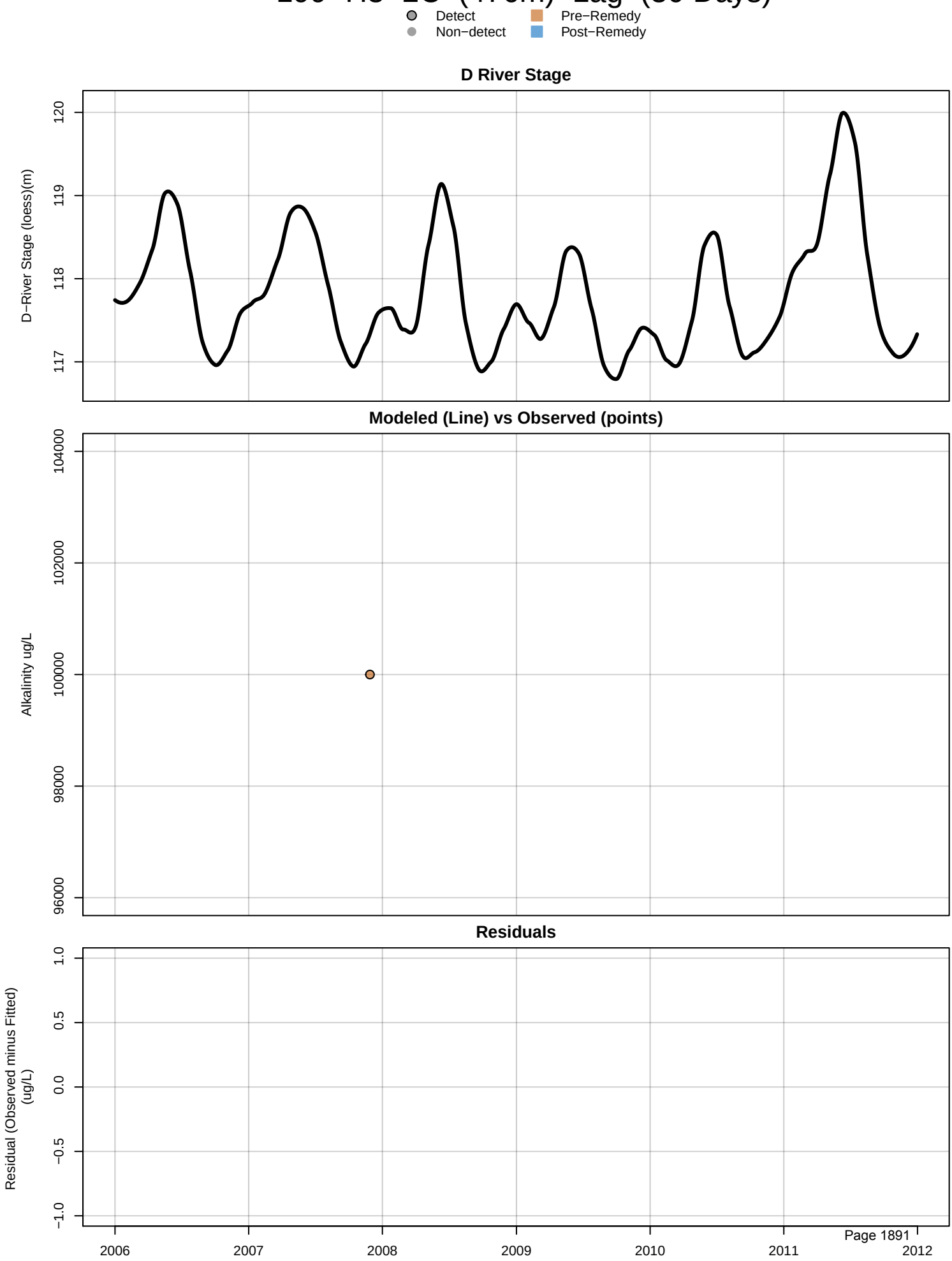


199−H3−2B (474m) Lag (37 Days)

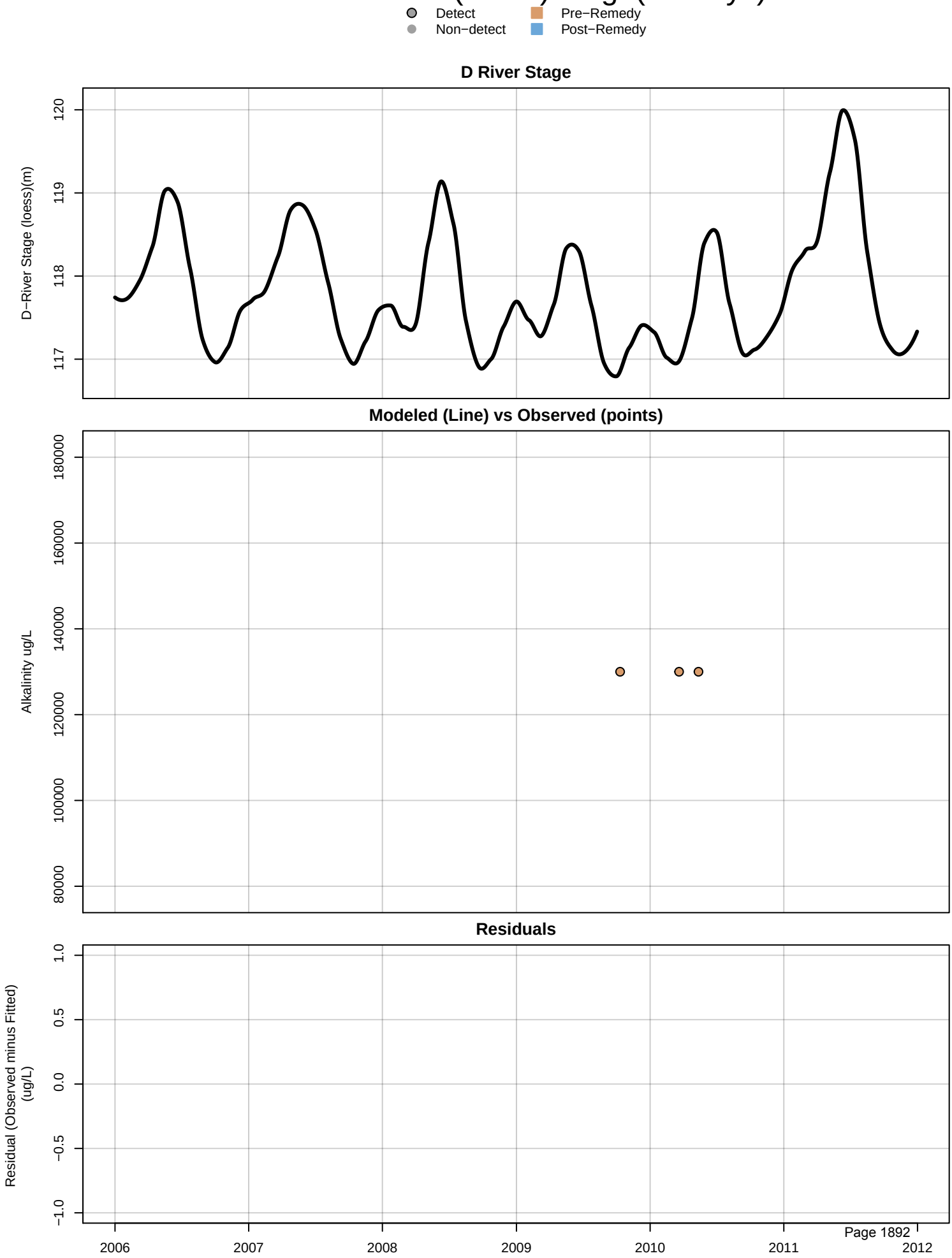
Detect
Non−detect
Pre−Remedy
Post−Remedy



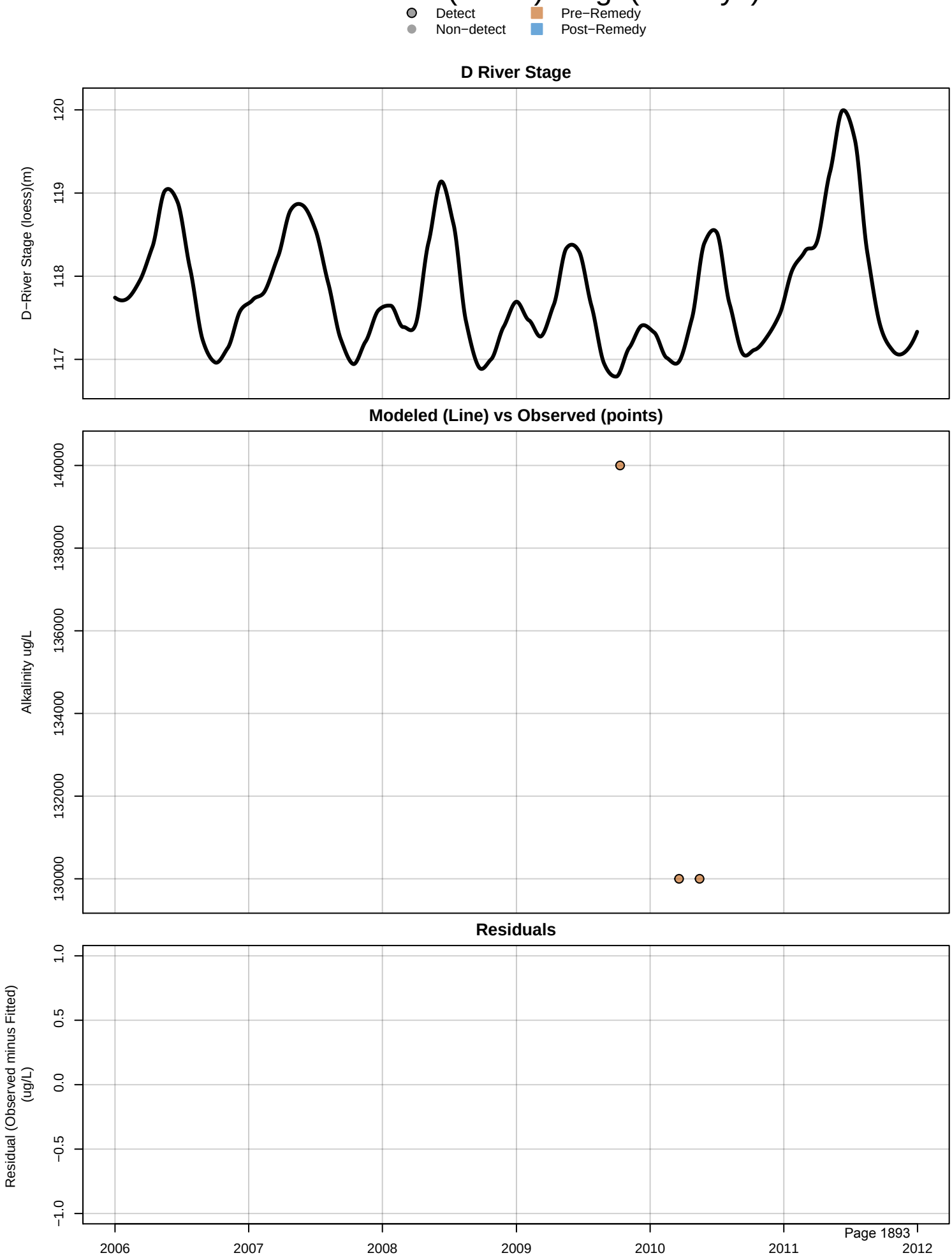
199−H3−2C (476m) Lag (30 Days)



199−H3−4* (792m) Lag (82 Days)

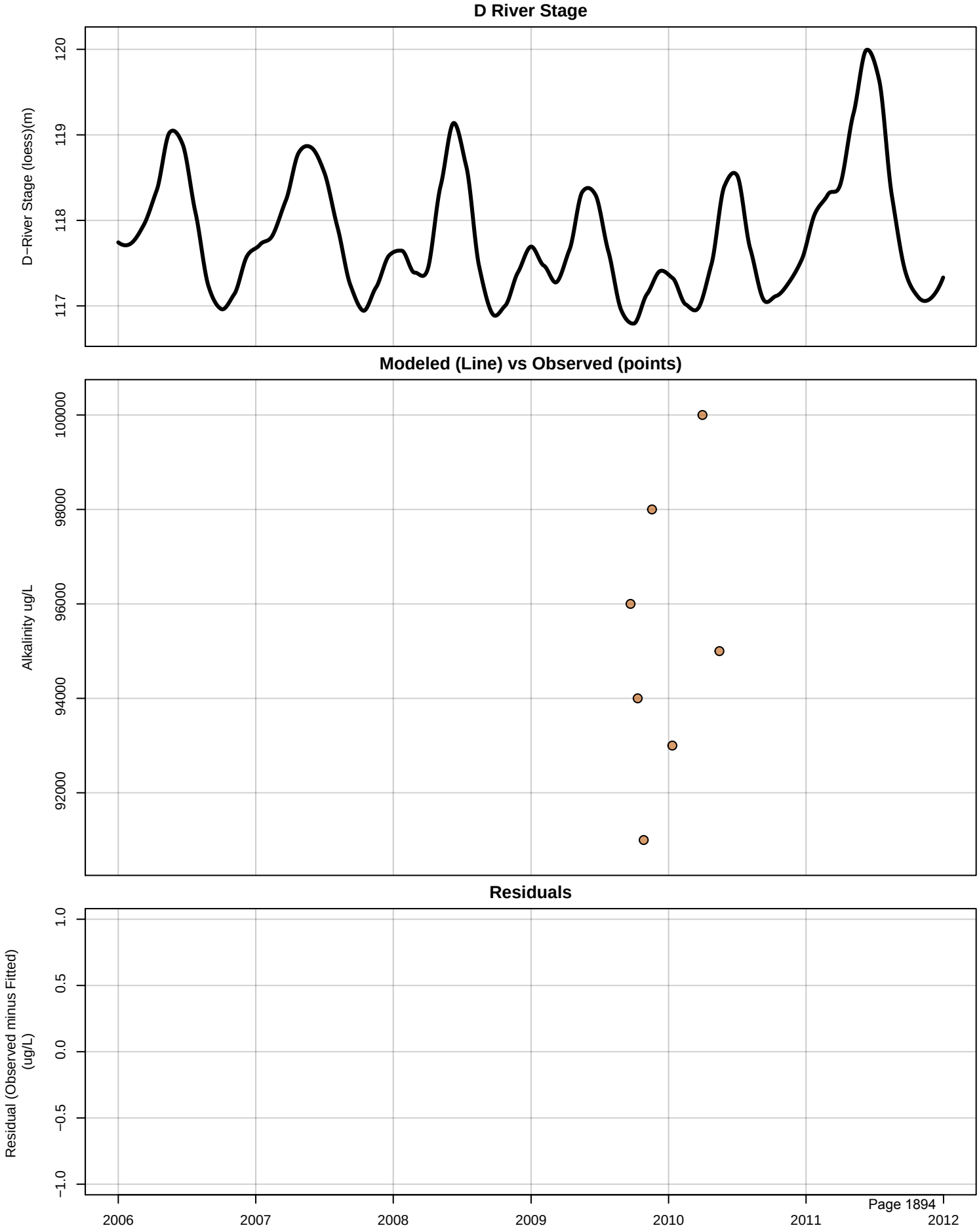


199−H3−5 (874m) Lag (78 Days)



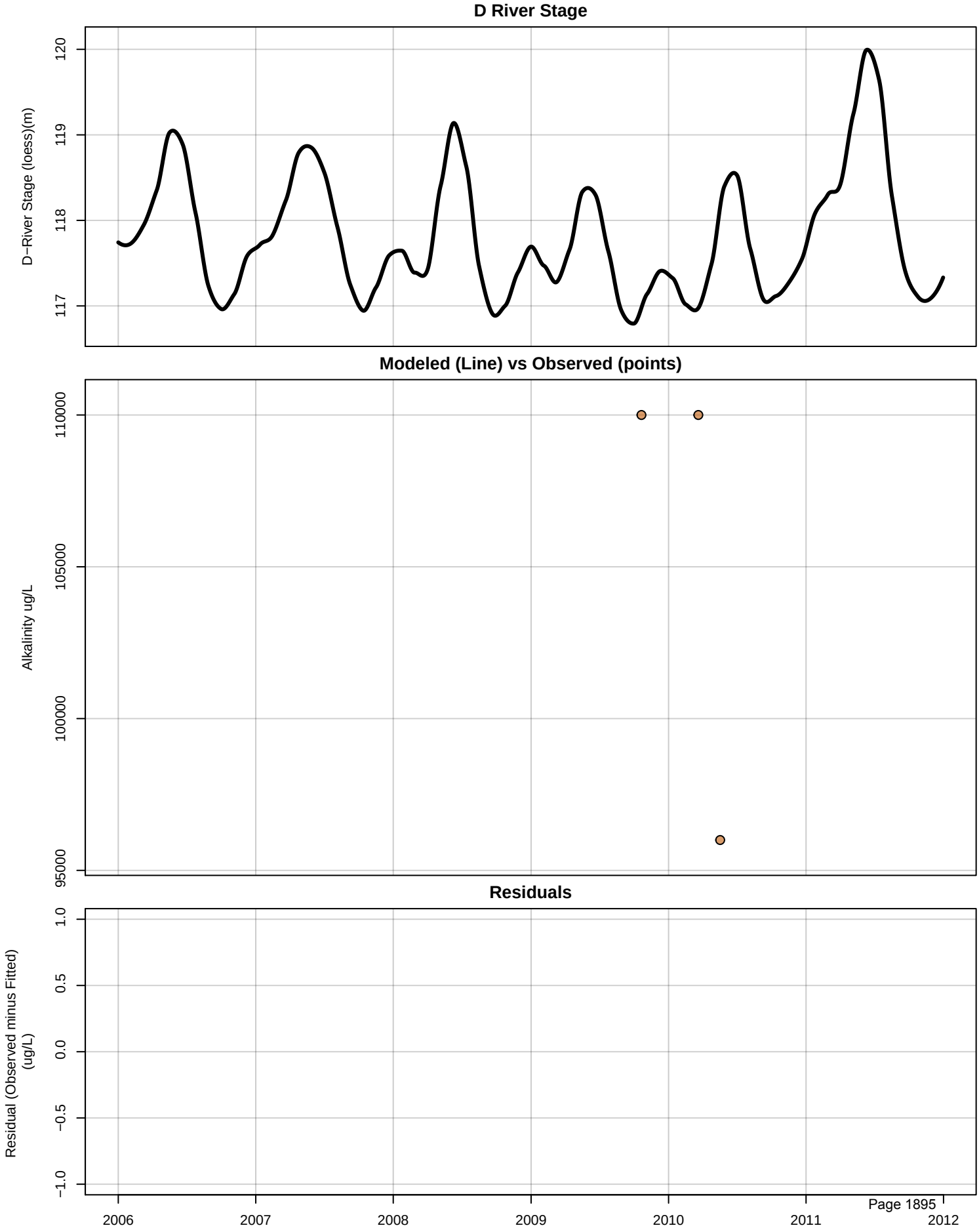
199−H4−10 (57m) Lag (4 Days)

Detect
Non−detect
Pre−Remedy
Post−Remedy



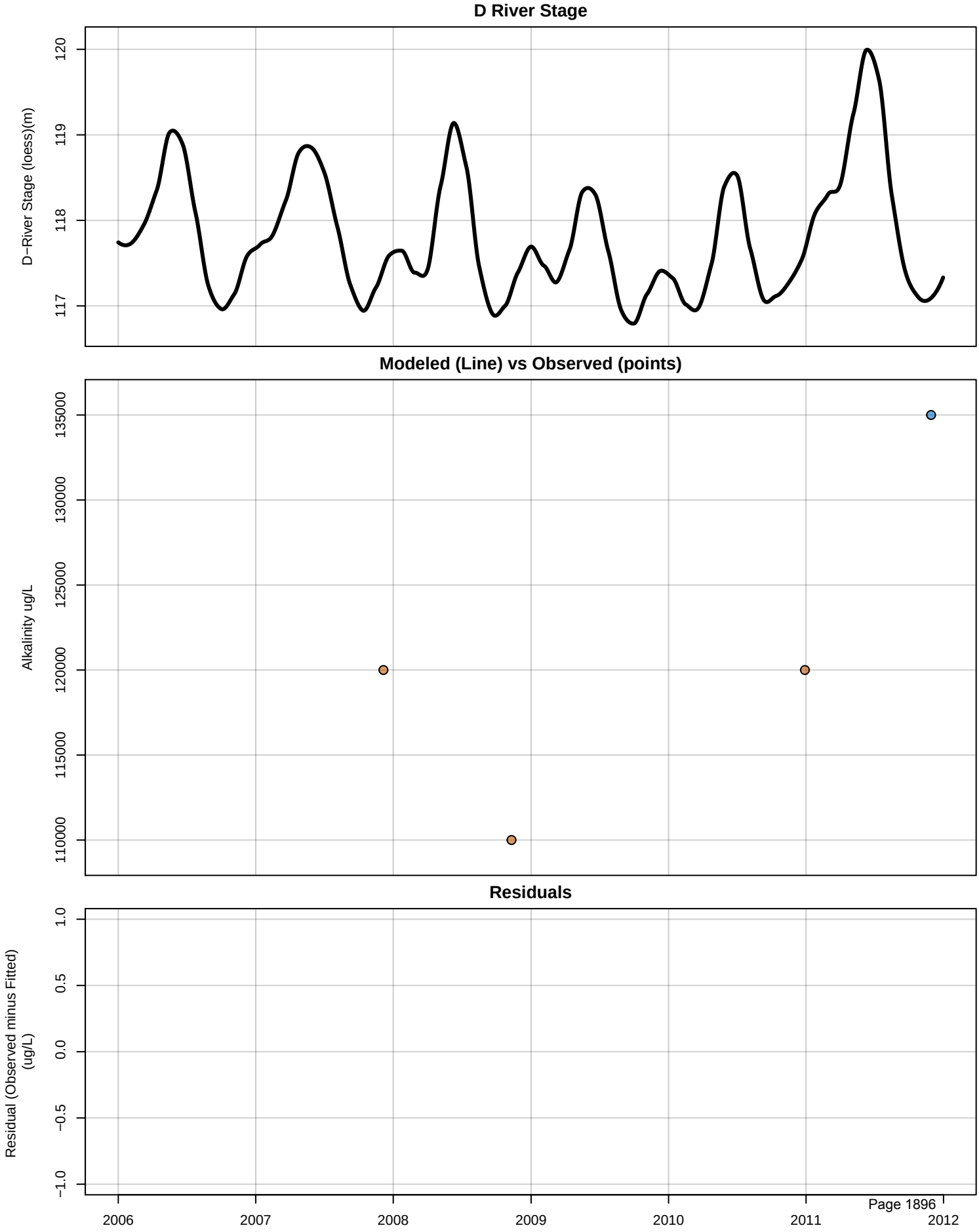
199−H4−11 (57m) Lag (0 Days)

Detect
Non−detect
Pre−Remedy
Post−Remedy

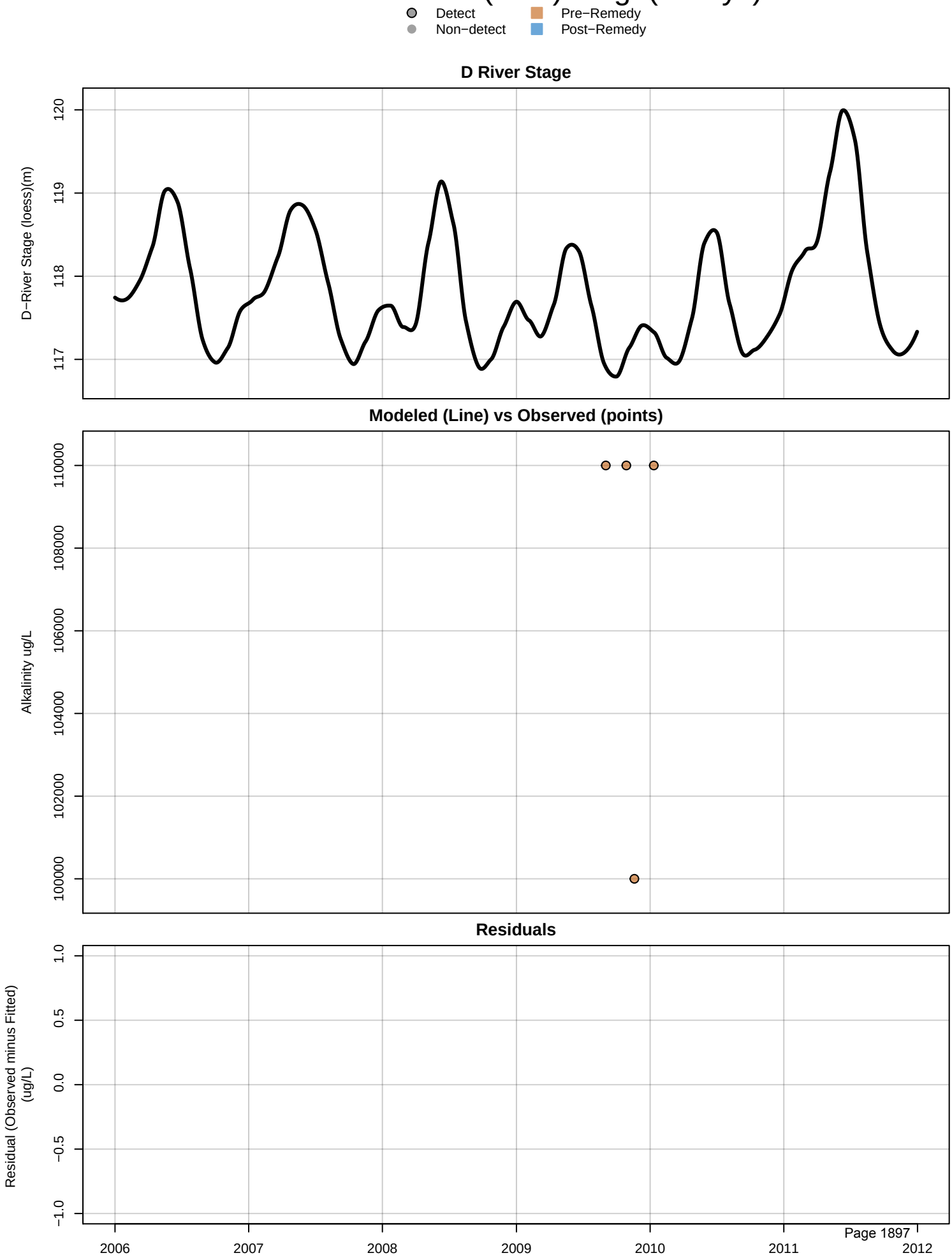


199−H4−12A* (72m) Lag (0 Days)

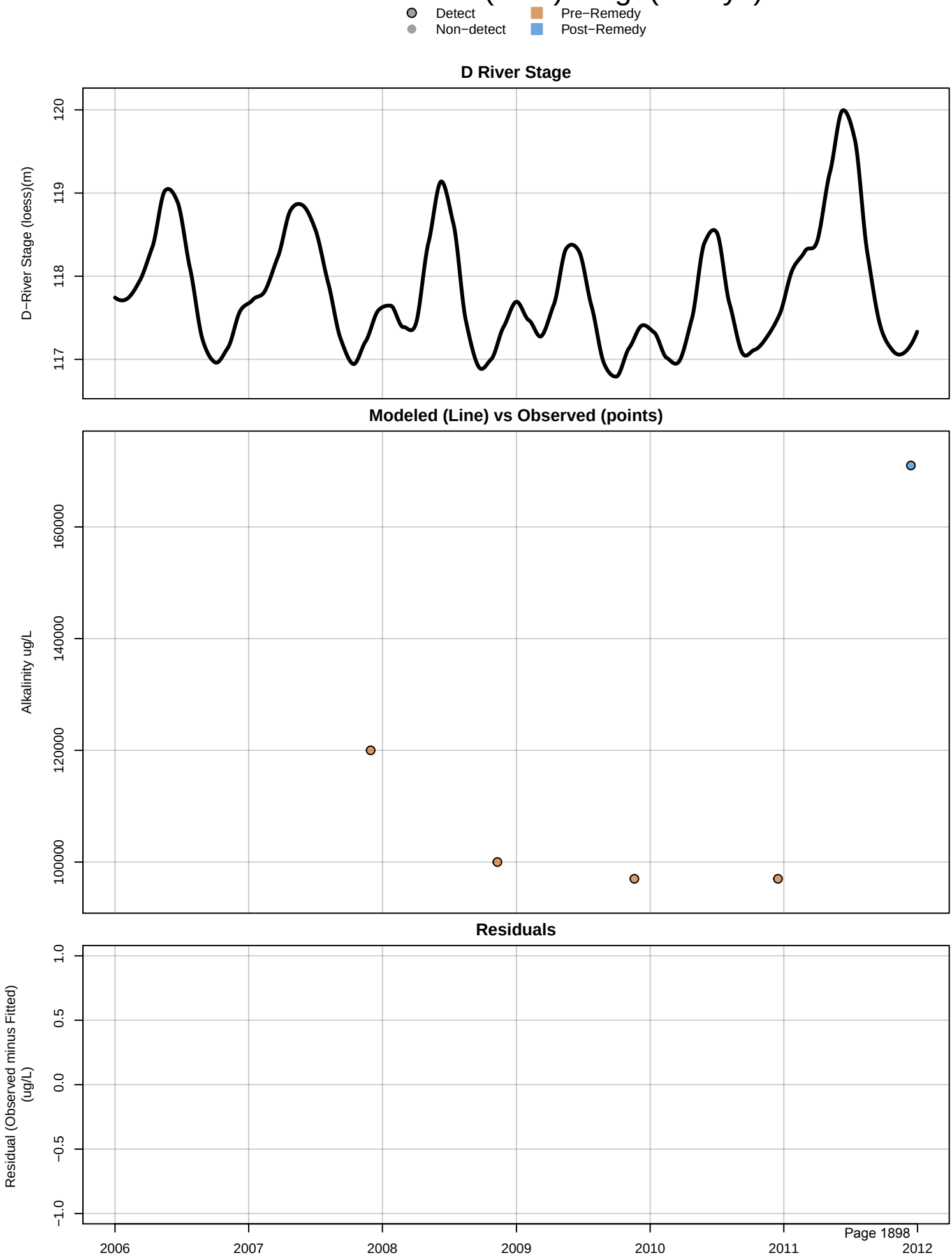
Detect
Non−detect
Pre−Remedy
Post−Remedy



199−H4−12B (72m) Lag (9 Days)

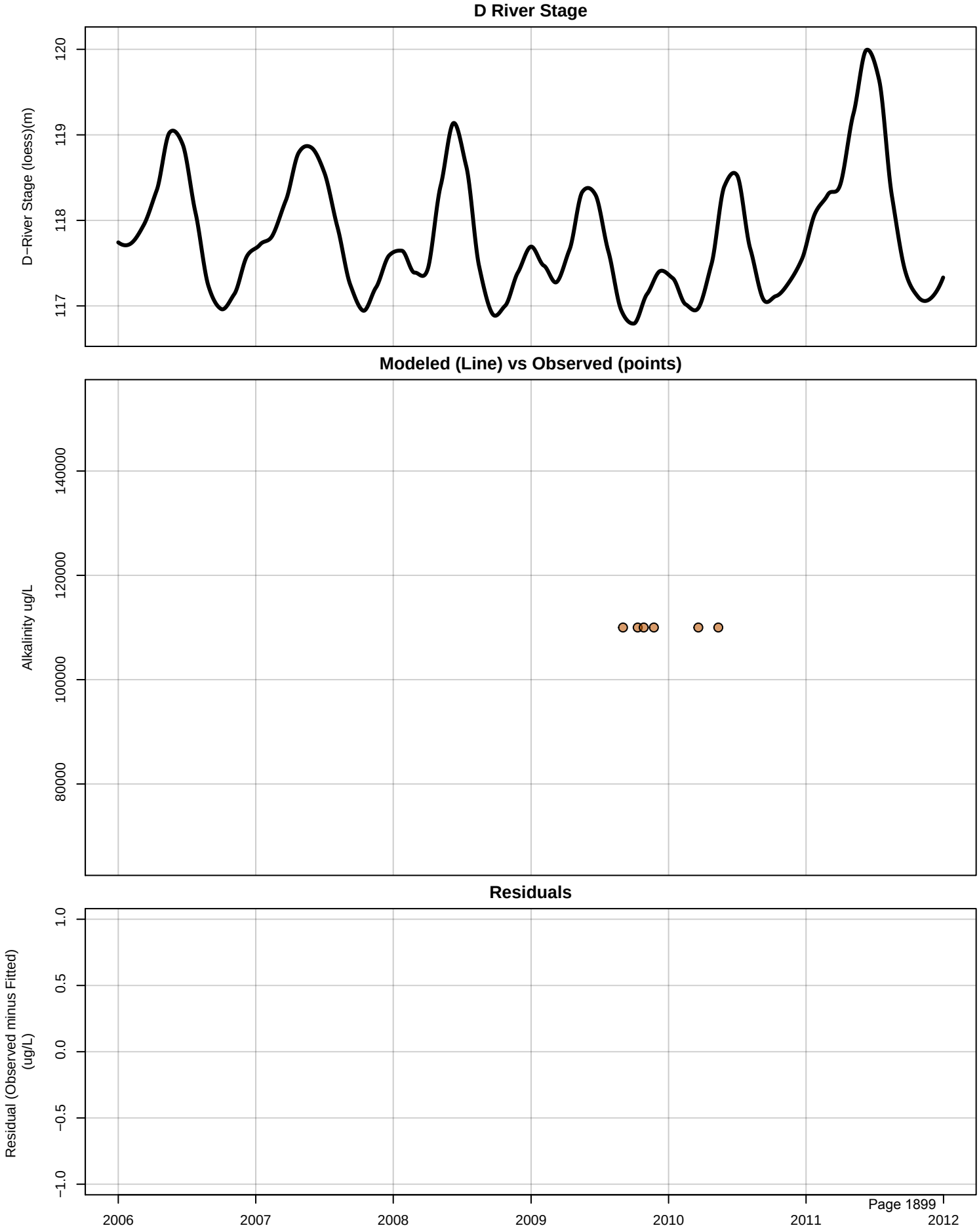


199−H4−12C (65m) Lag (6 Days)



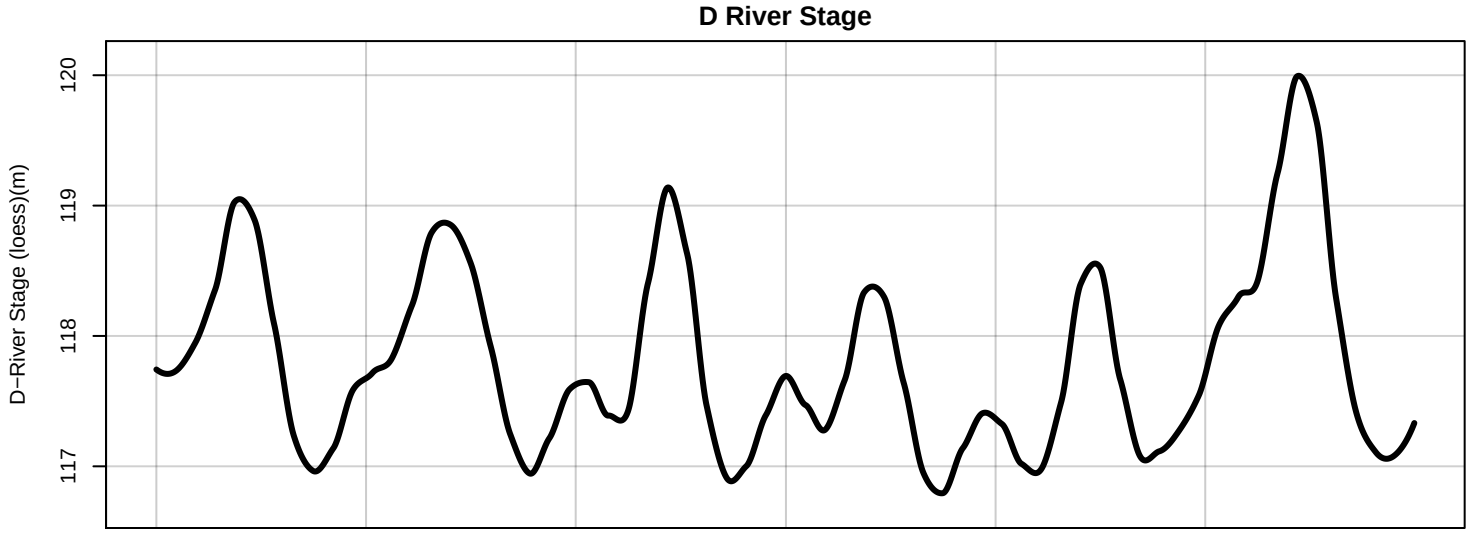
199−H4−13 (55m) Lag (4 Days)

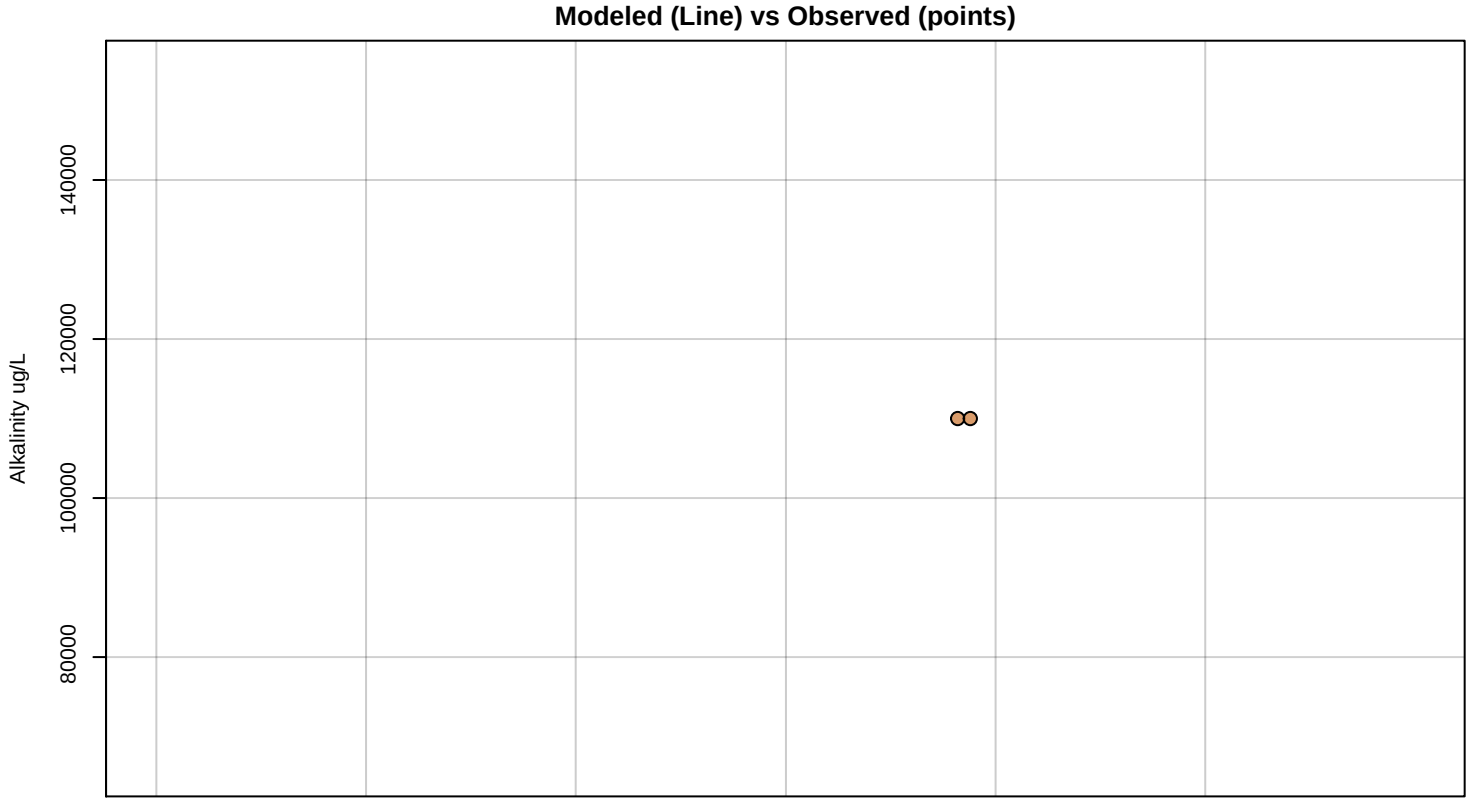
Detect
Non−detect
Pre−Remedy
Post−Remedy

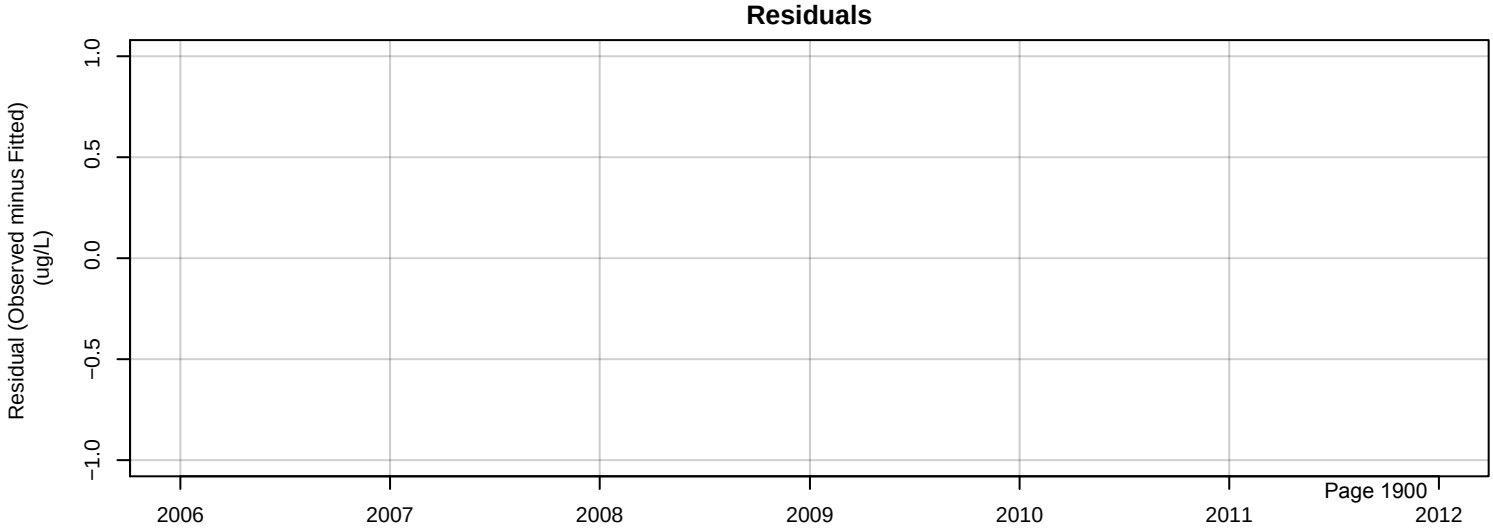


199−H4−14* (332m) Lag (24 Days)

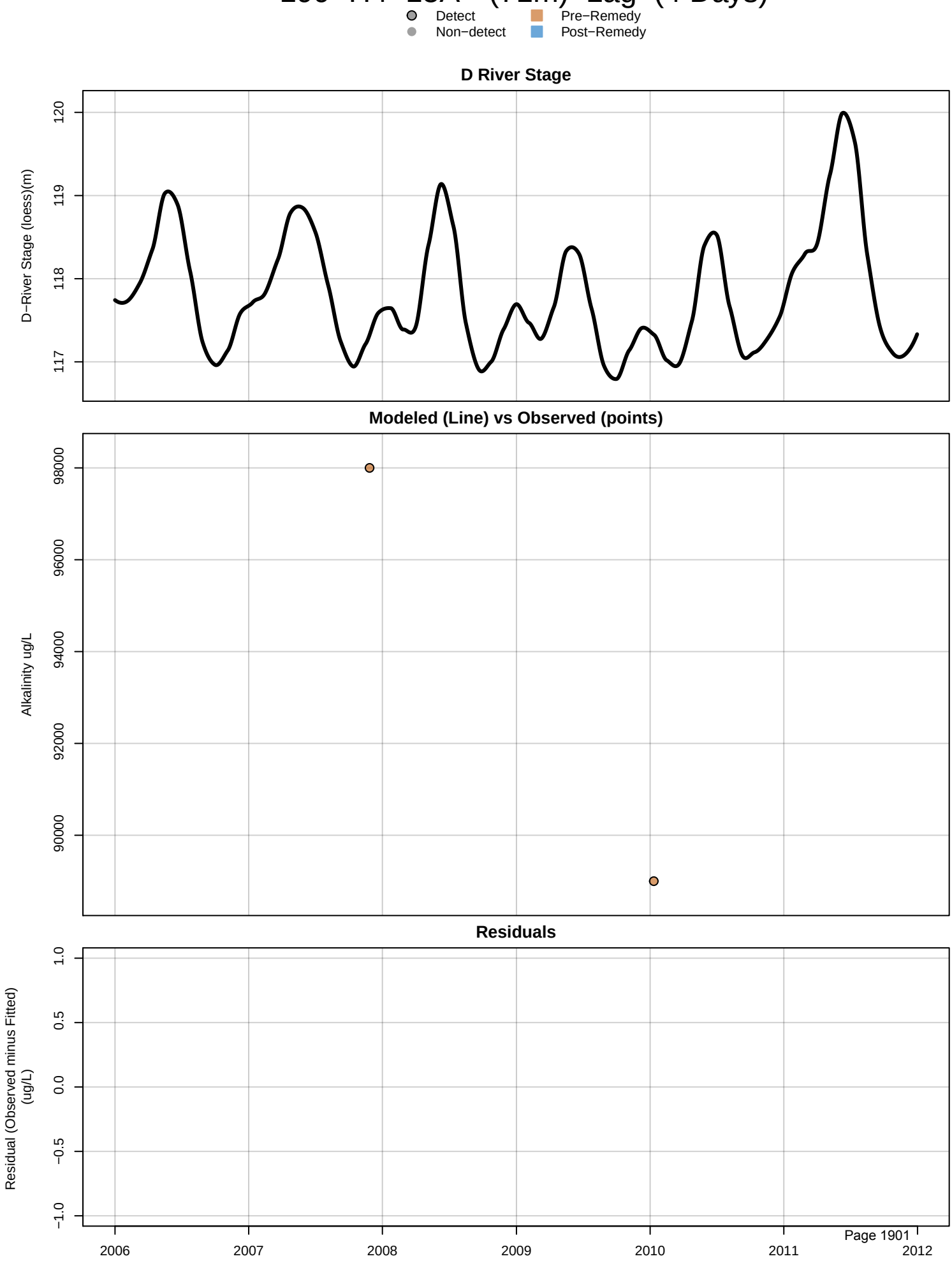
Detect
Non−detect
Pre−Remedy
Post−Remedy





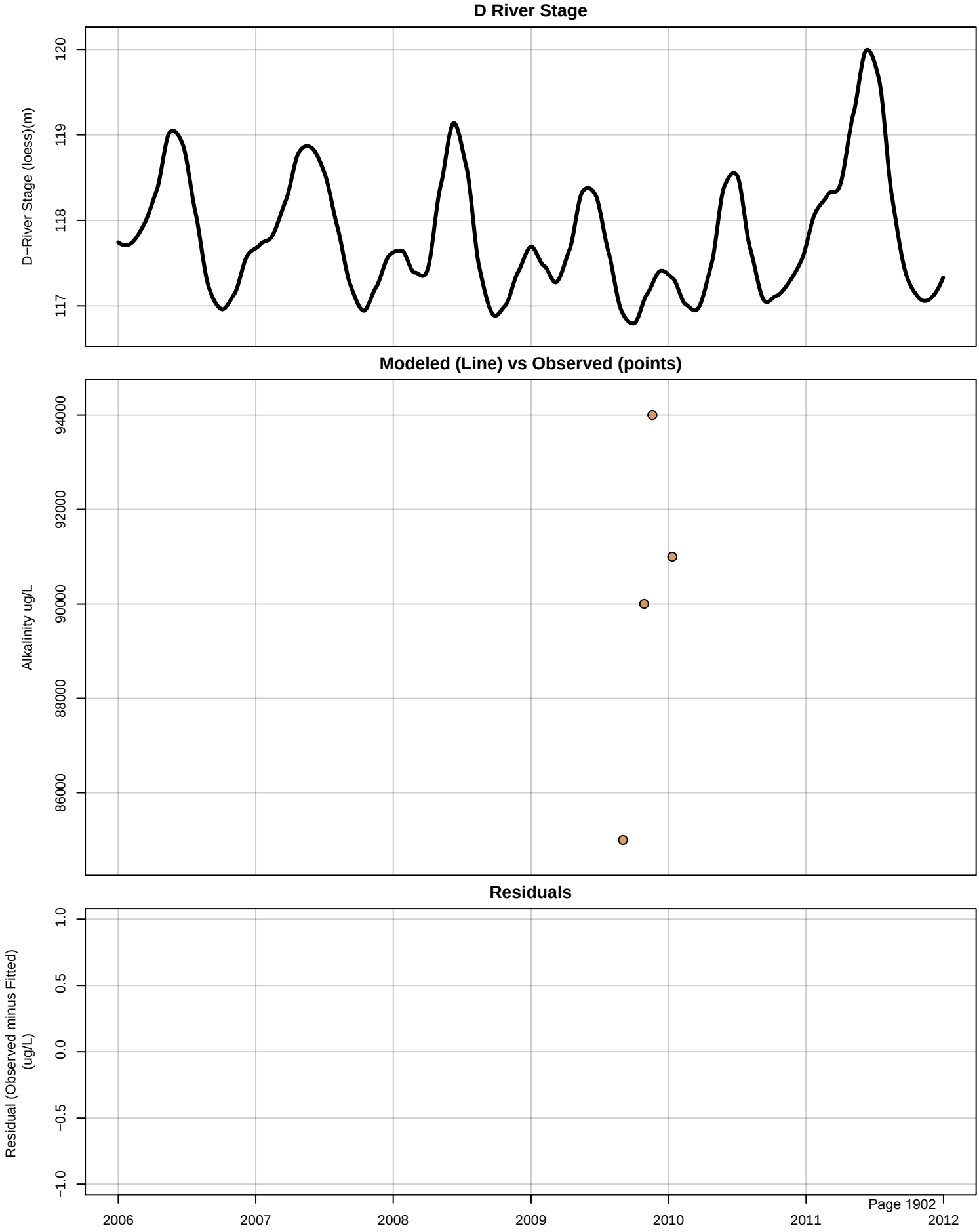


199−H4−15A* (71m) Lag (4 Days)

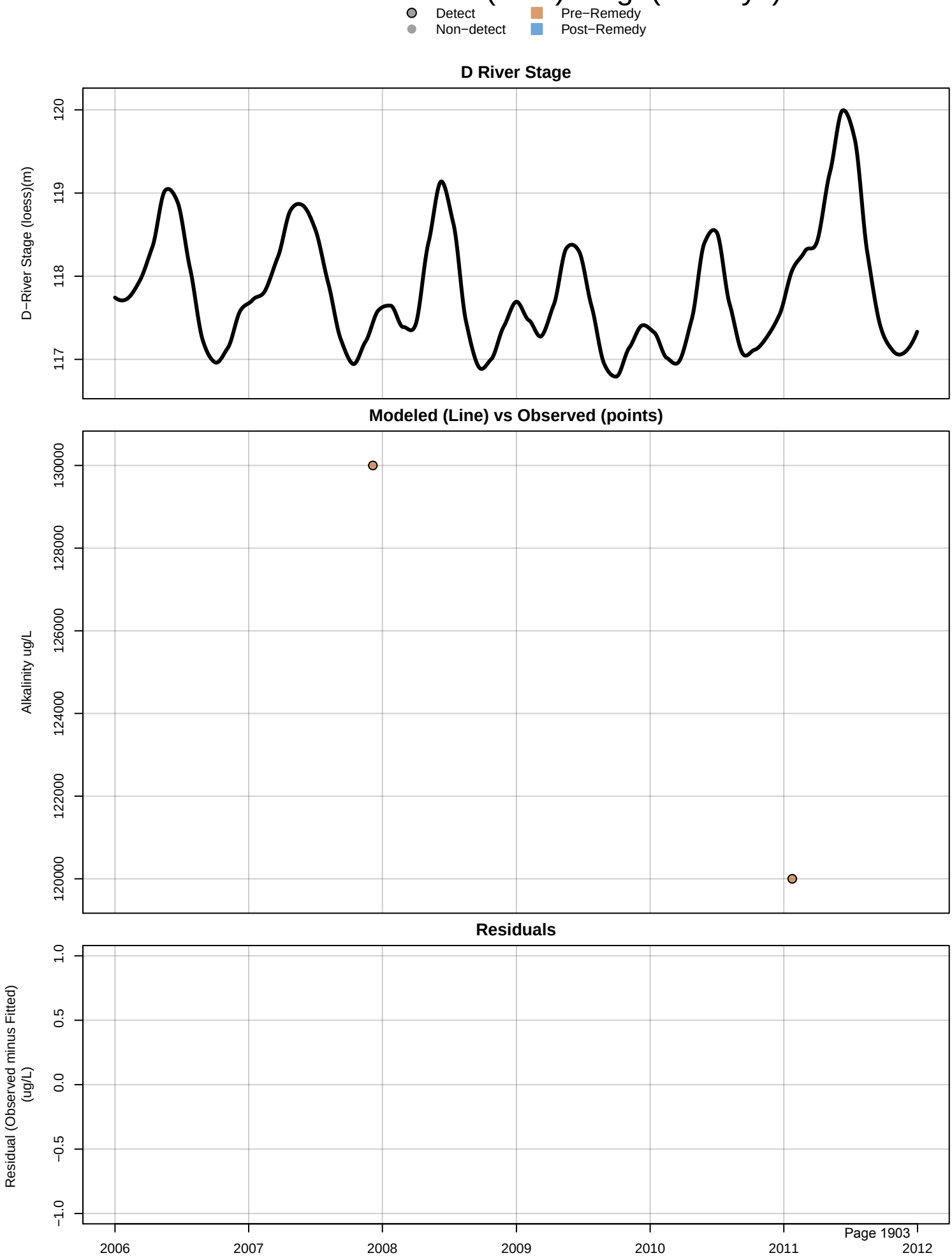


199−H4−15B (71m) Lag (5 Days)

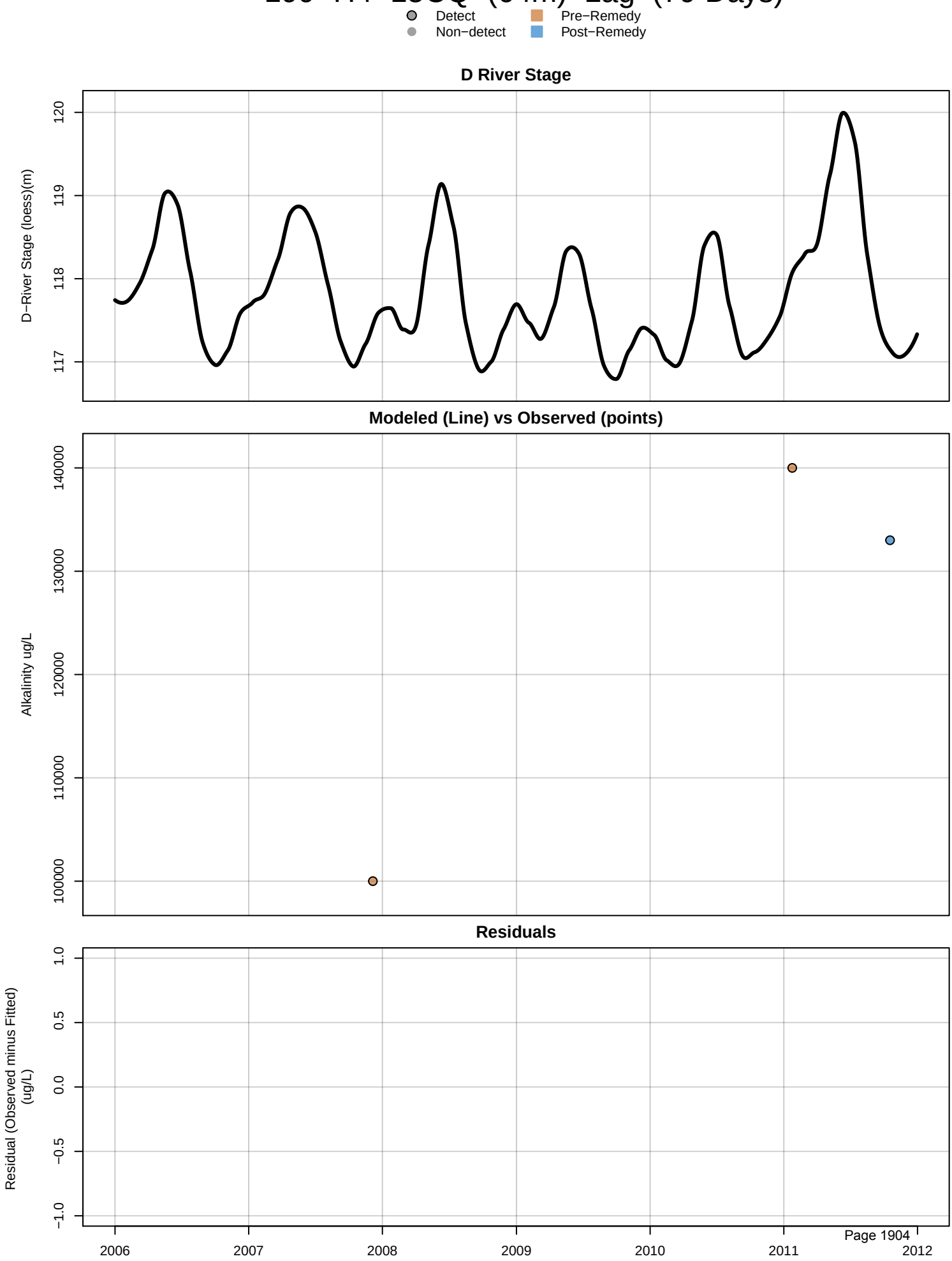
Detect
Non−detect
Pre−Remedy
Post−Remedy



199−H4−15CP (64m) Lag (13 Days)

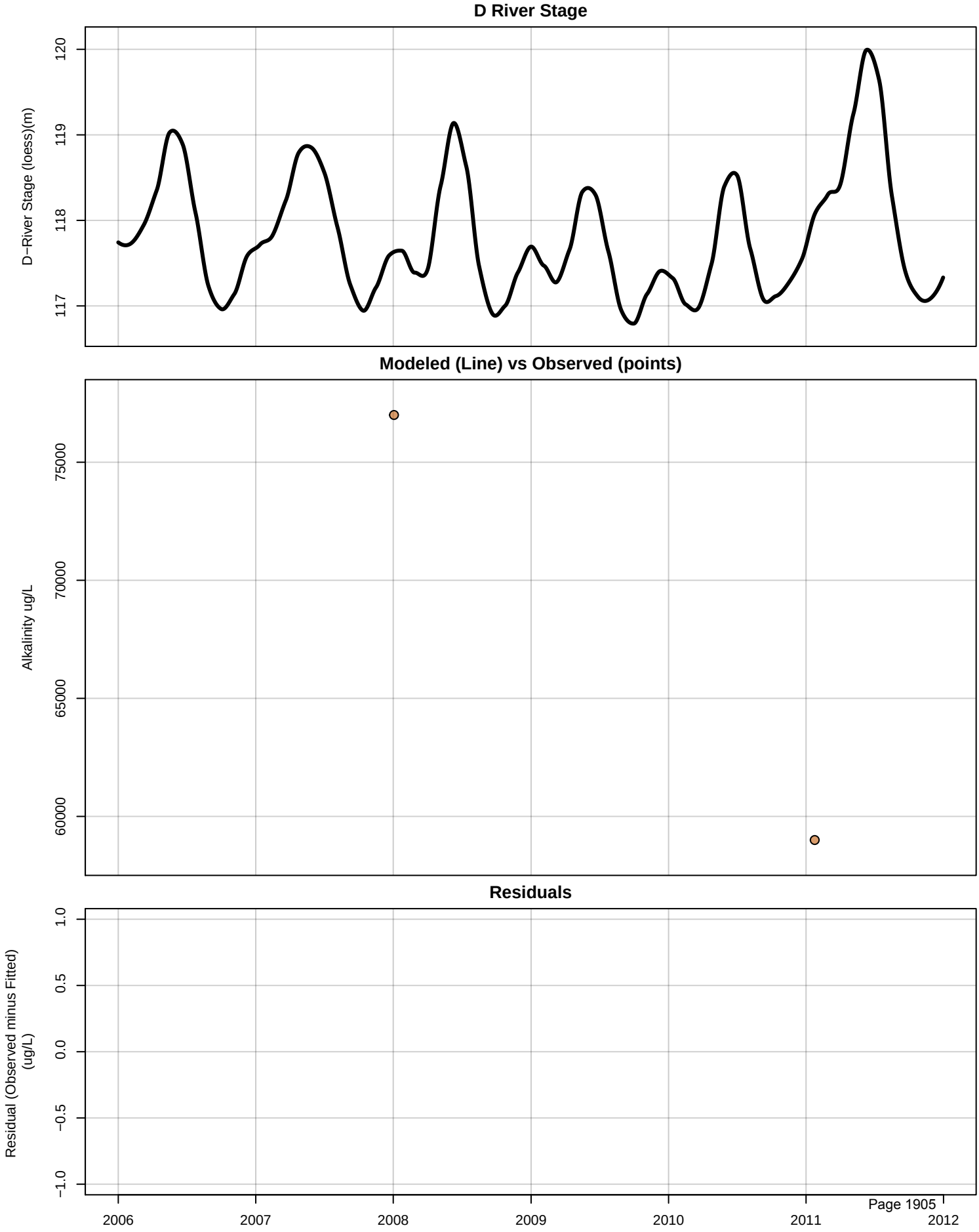


199−H4−15CQ (64m) Lag (79 Days)



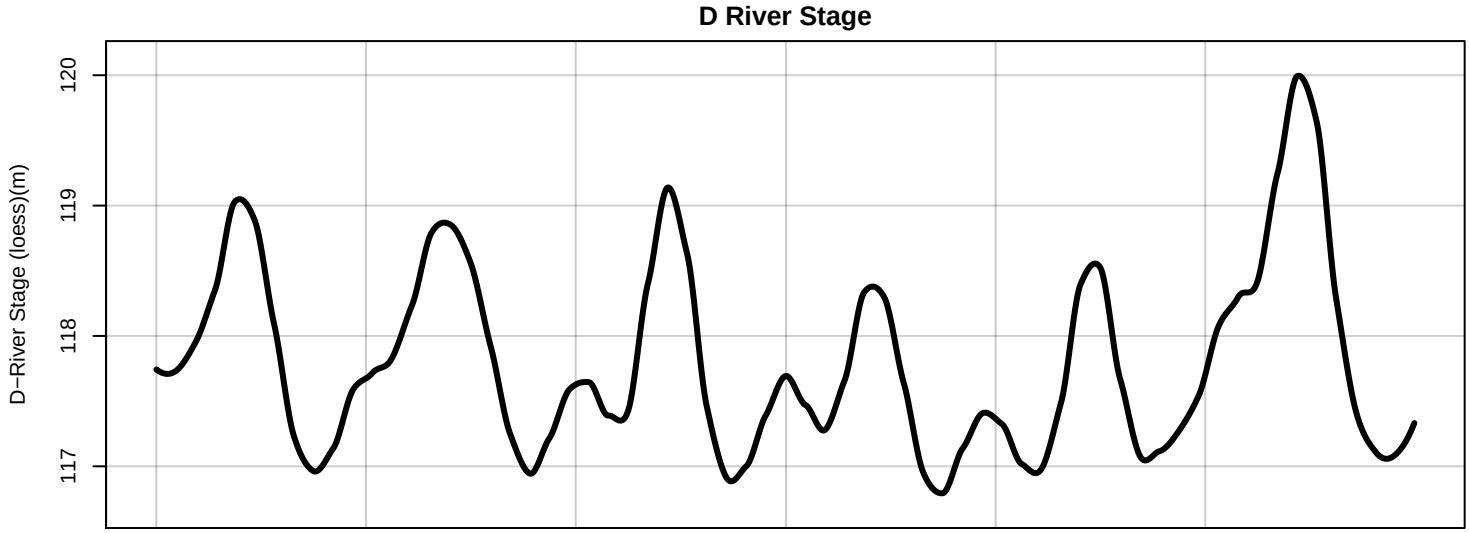
199−H4−15CR (64m) Lag (0 Days)

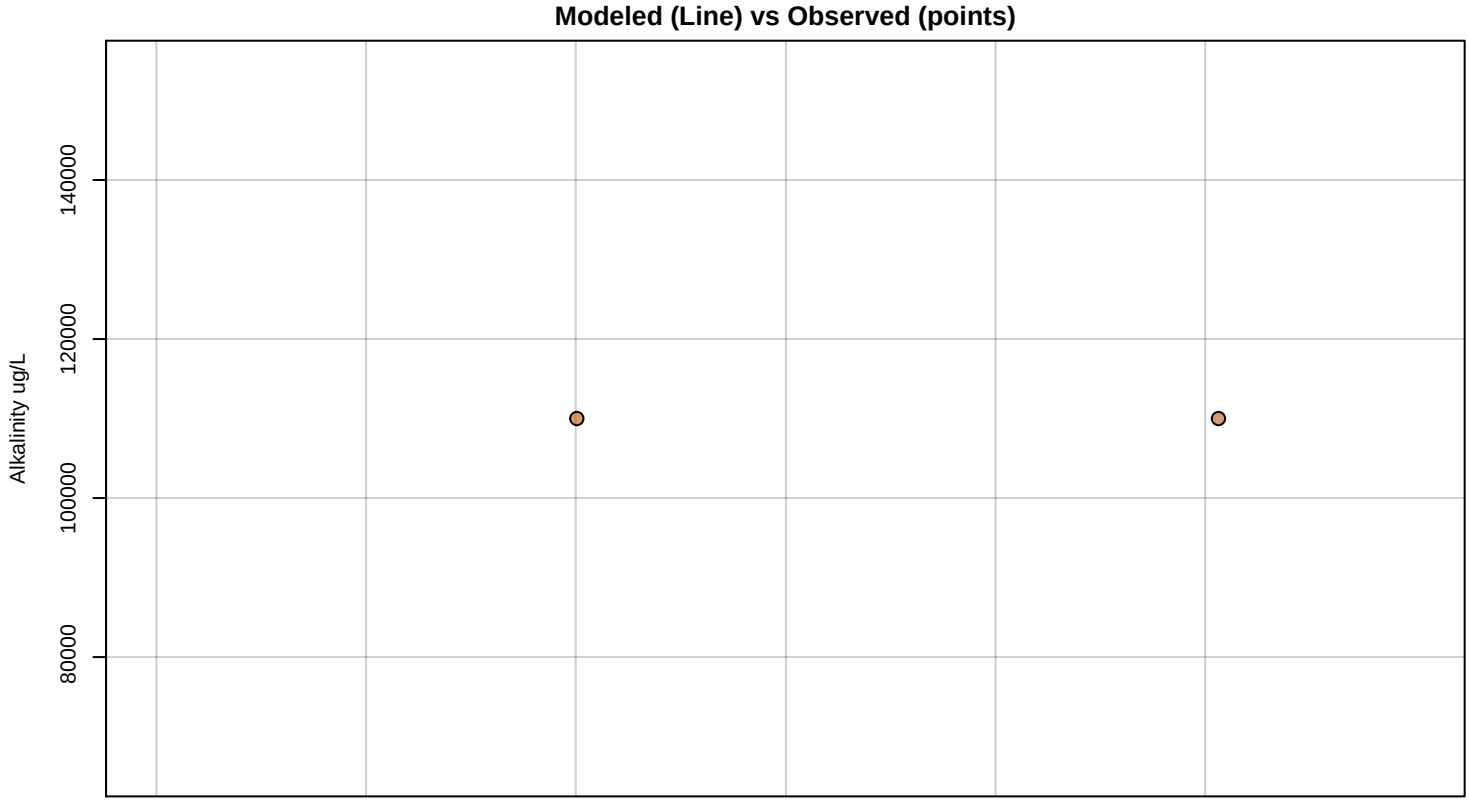
Detect
Non−detect
Pre−Remedy
Post−Remedy

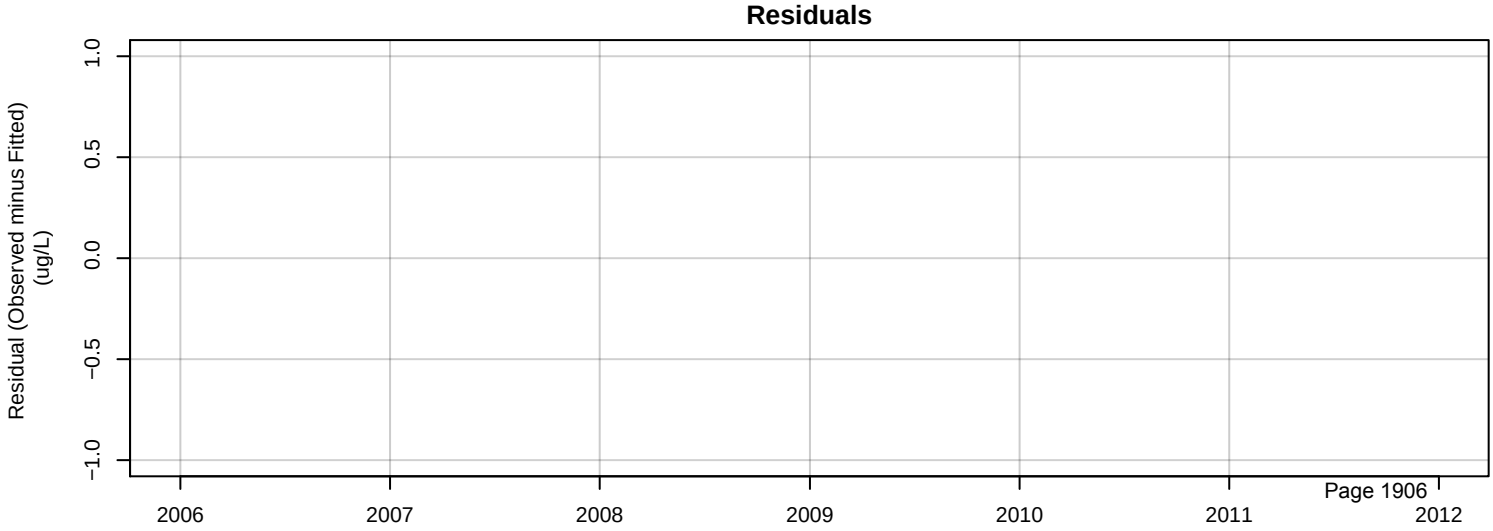


199−H4−15CS (64m) Lag (0 Days)

Detect
Non−detect
Pre−Remedy
Post−Remedy

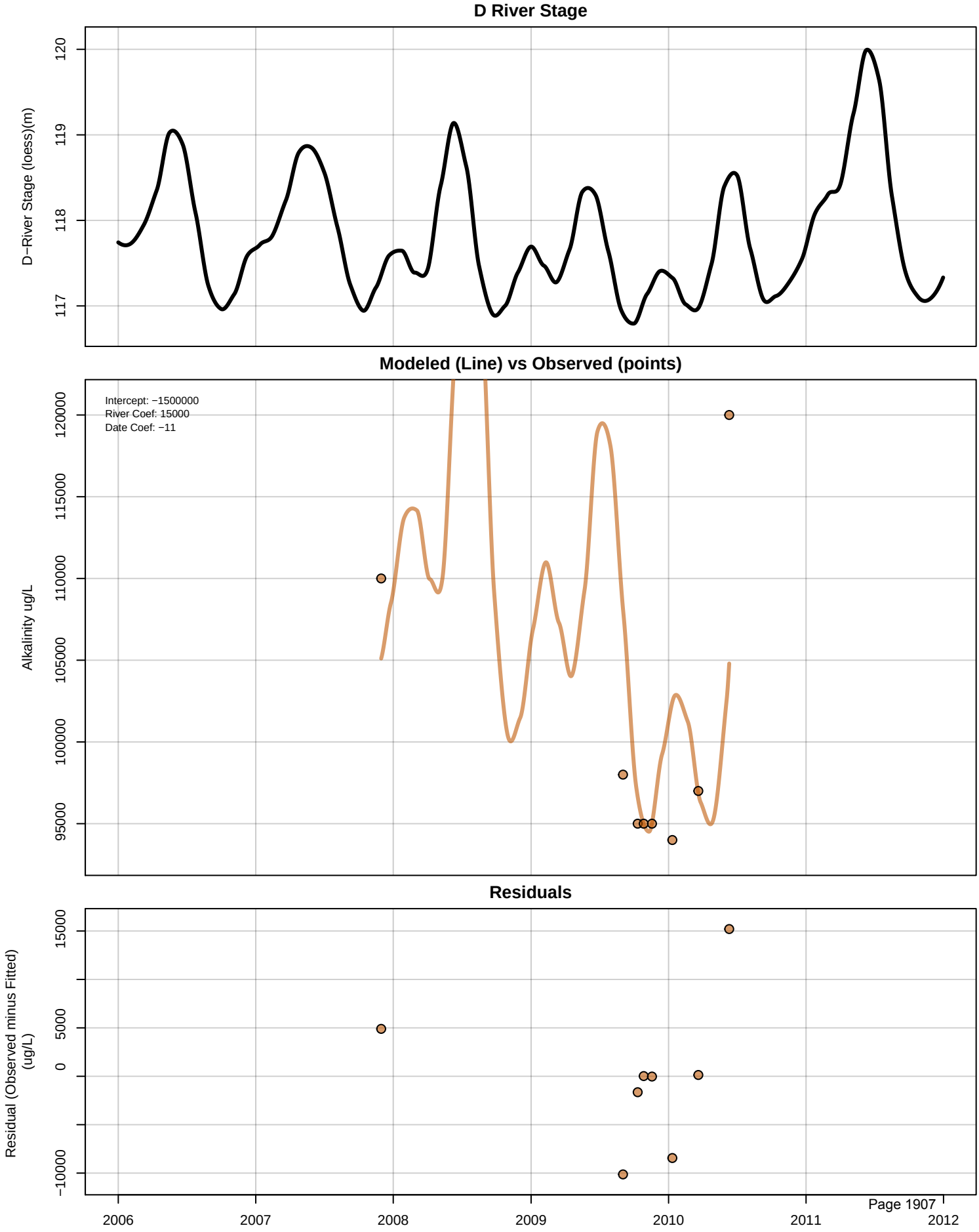






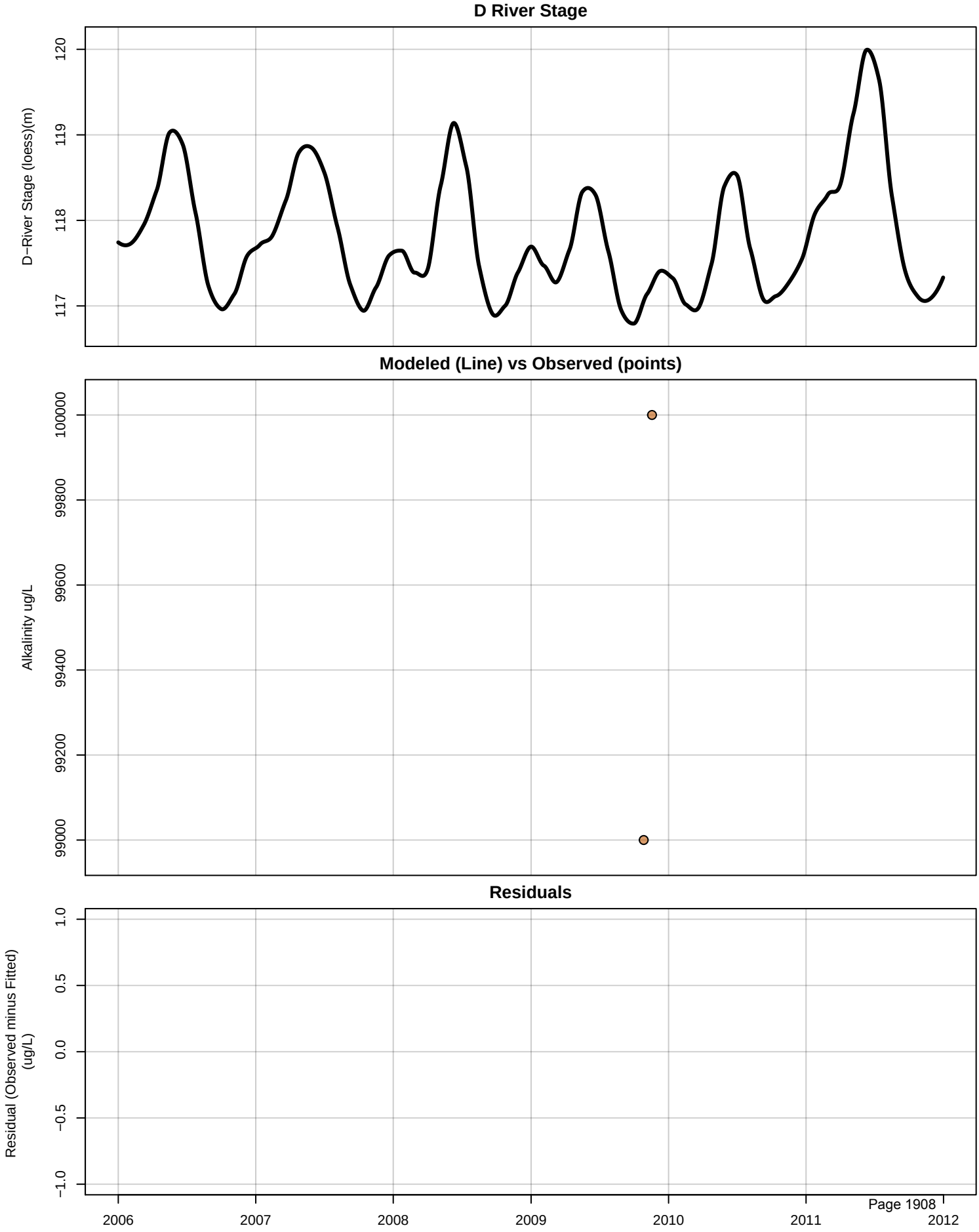
199−H4−16 (266m) Lag (40 Days)

Detect
Non−detect
Pre−Remedy
Post−Remedy

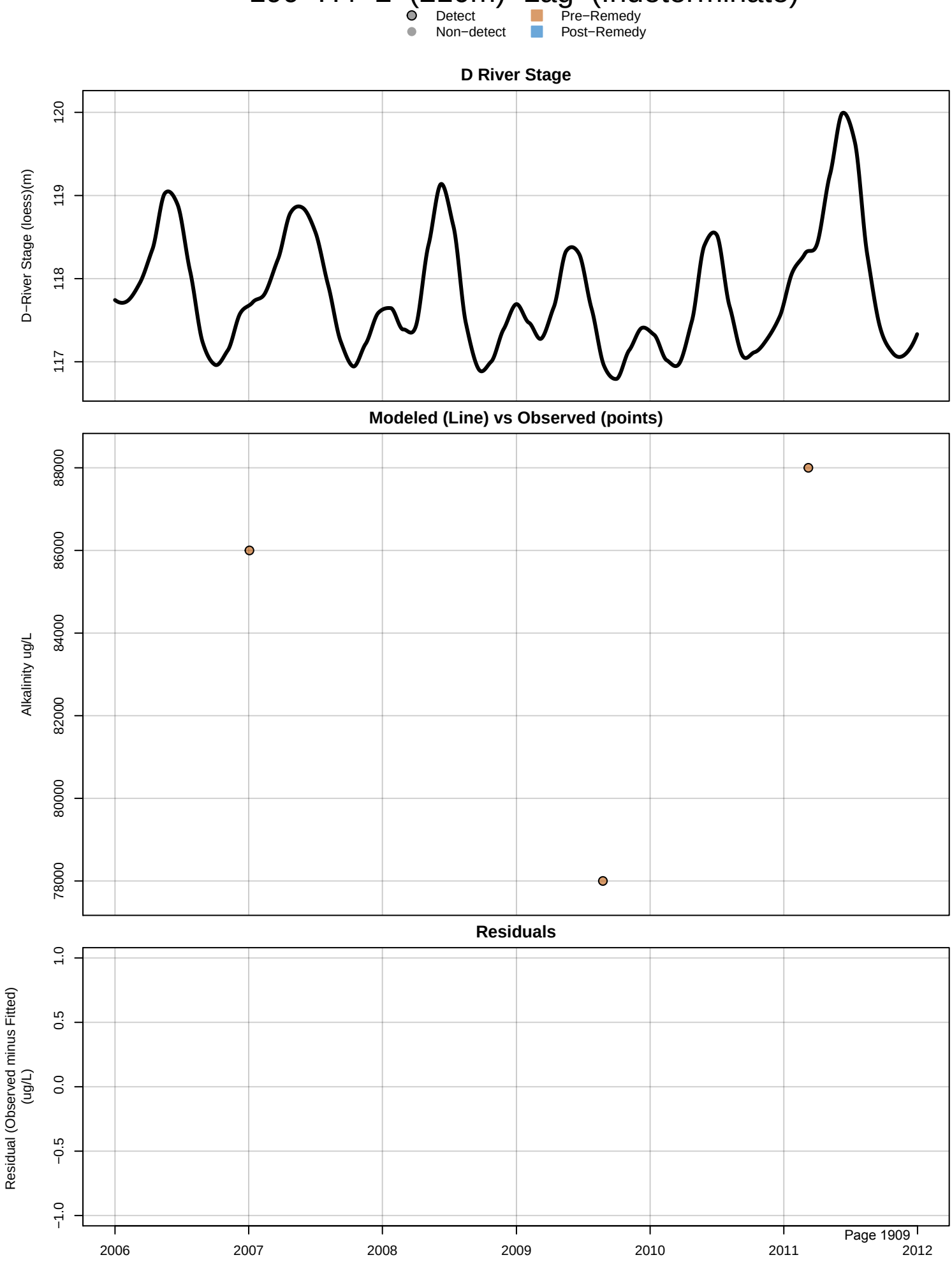


199−H4−18* (153m) Lag (4 Days)

Detect
Non−detect
Pre−Remedy
Post−Remedy

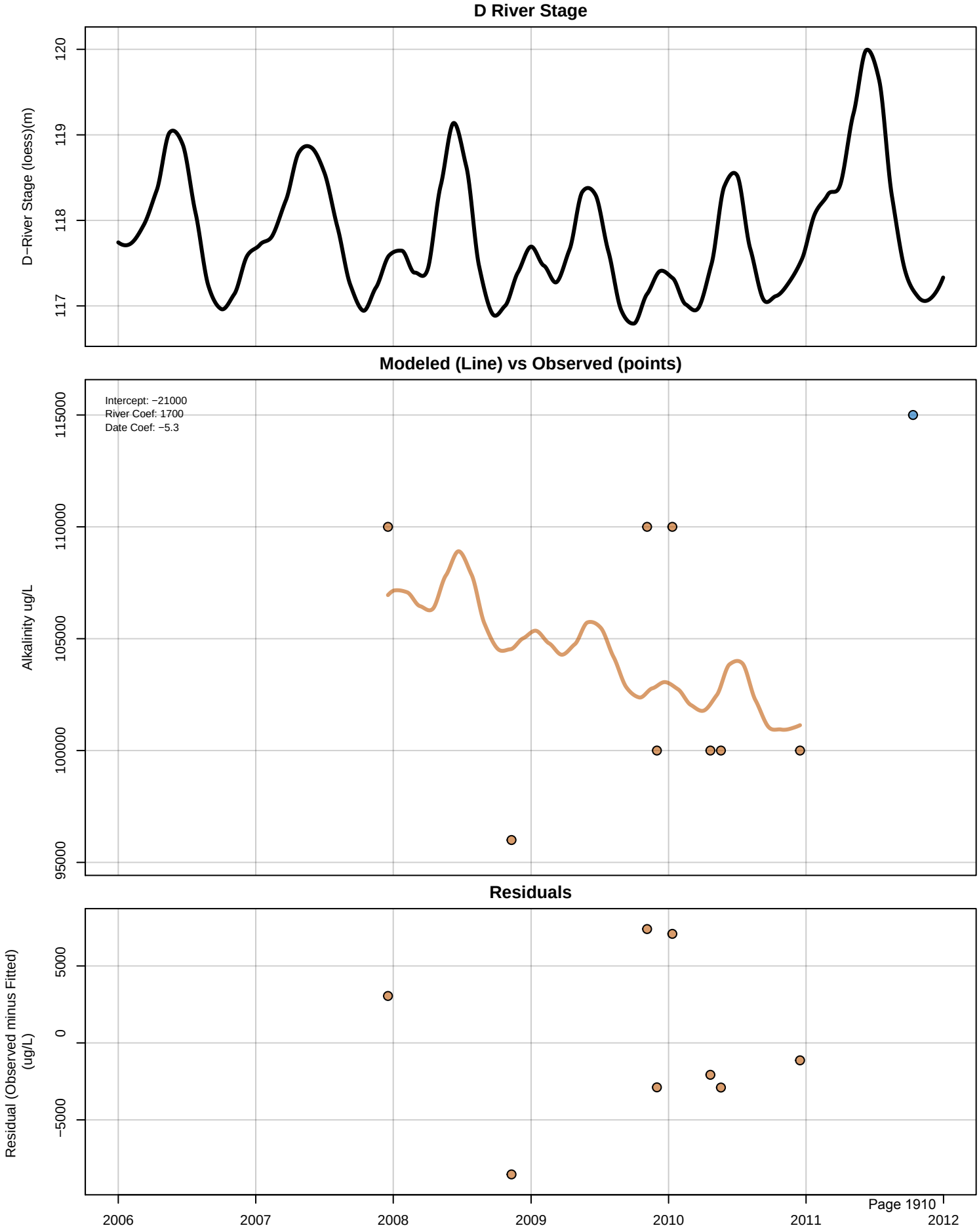


199−H4−2 (210m) Lag (Indeterminate)



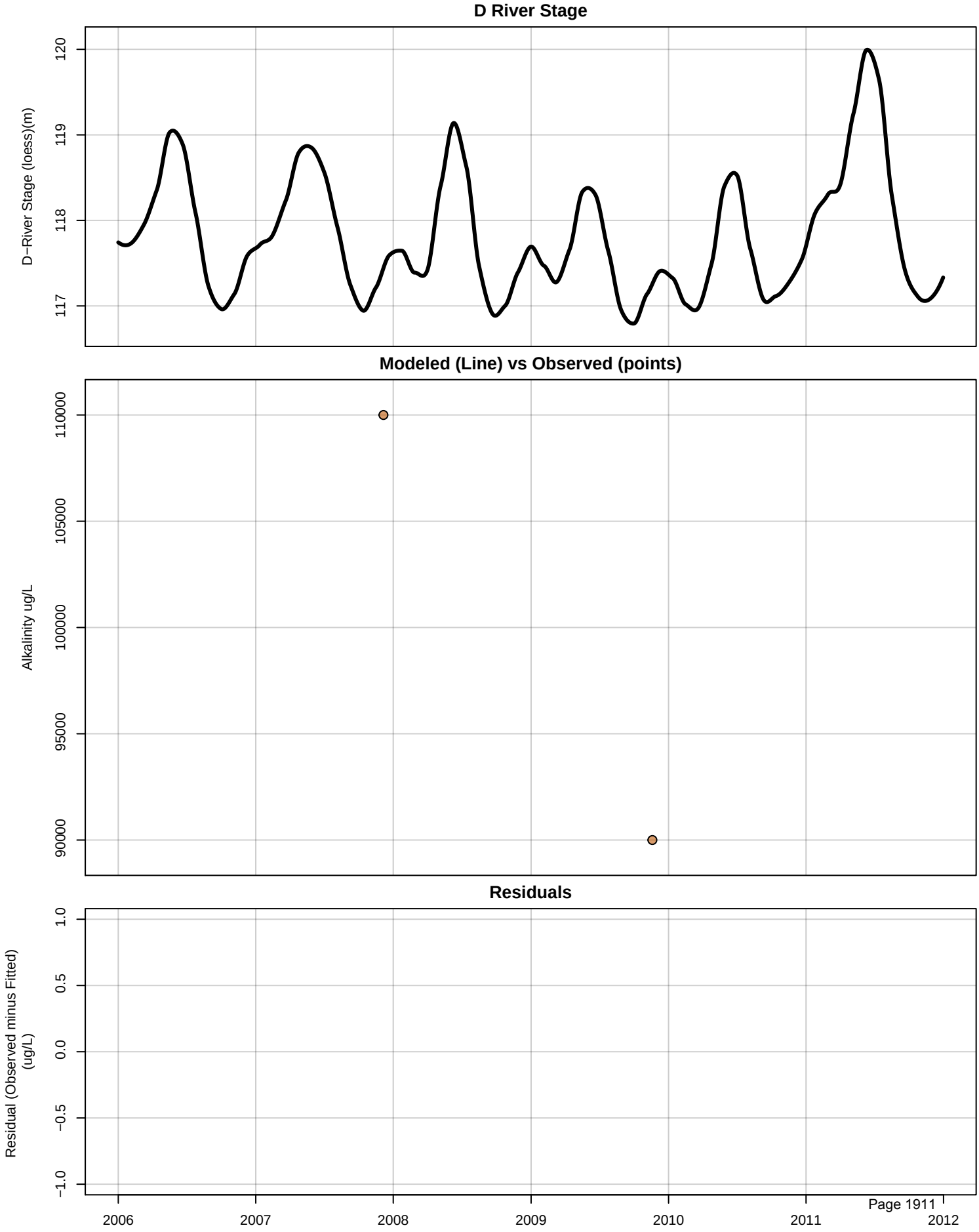
199−H4−3* (159m) Lag (14 Days)

Detect
Non−detect
Pre−Remedy
Post−Remedy



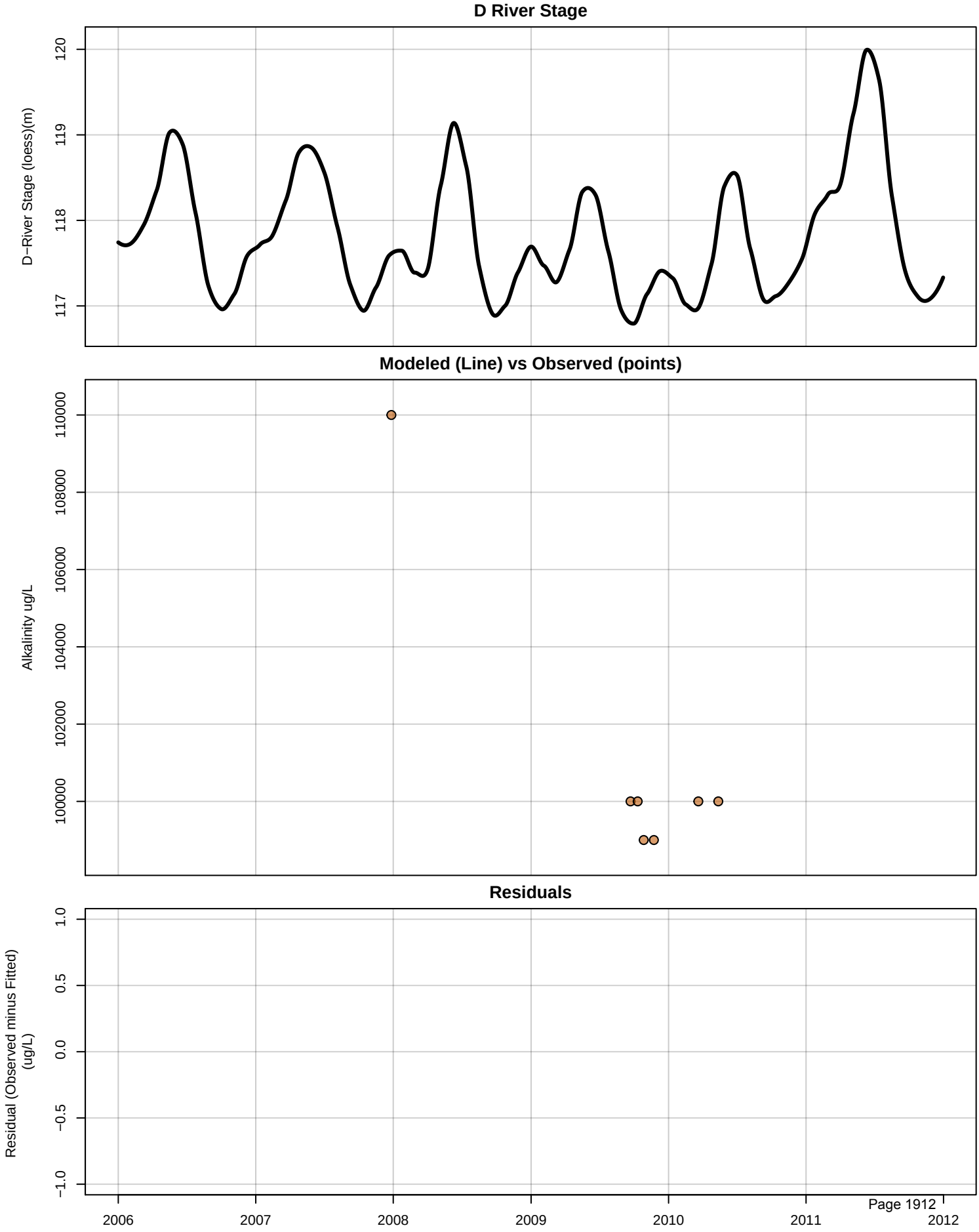
199−H4−4* (63m) Lag (0 Days)

Detect
Non−detect
Pre−Remedy
Post−Remedy



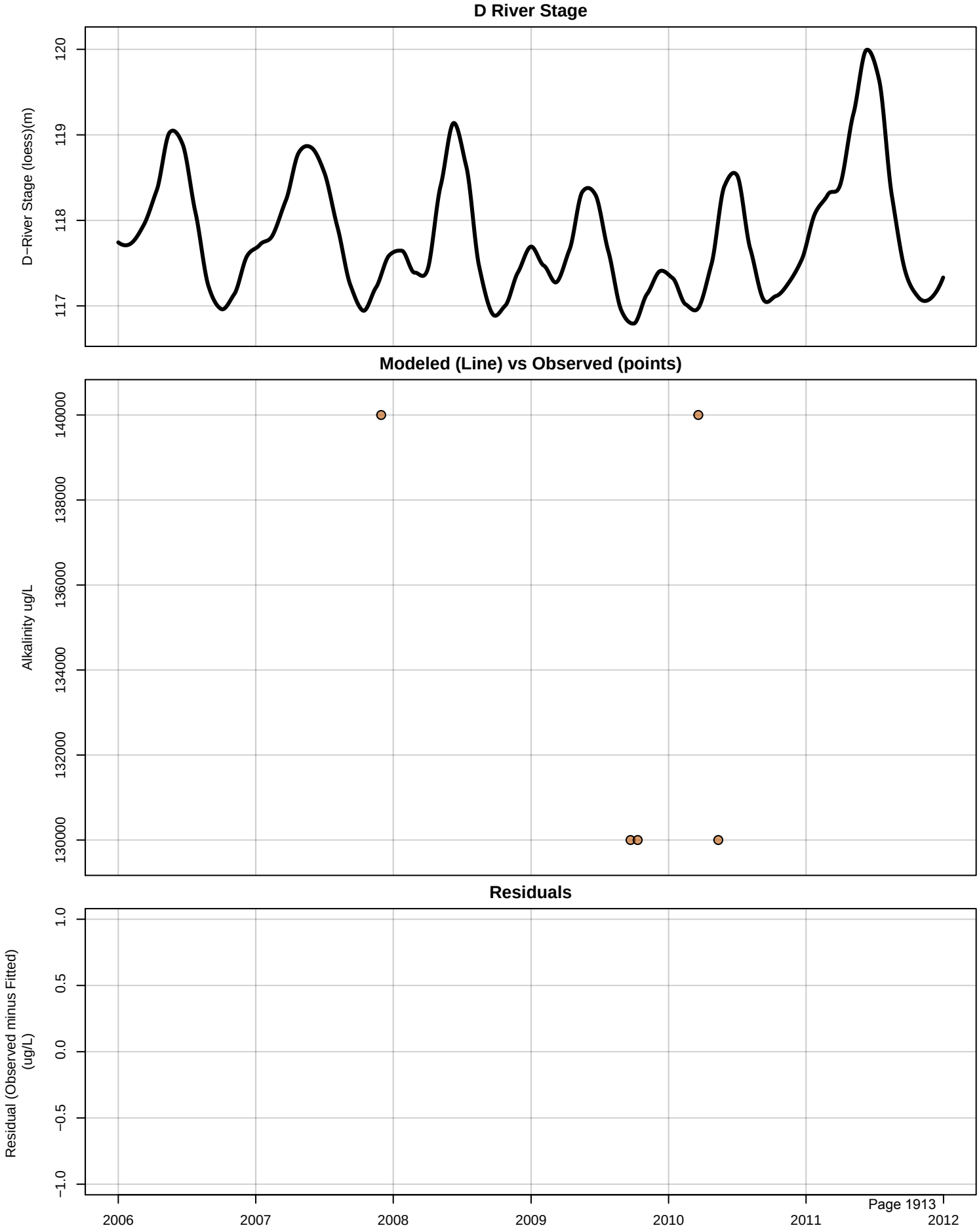
199−H4−45 (194m) Lag (31 Days)

Detect
Non−detect
Pre−Remedy
Post−Remedy

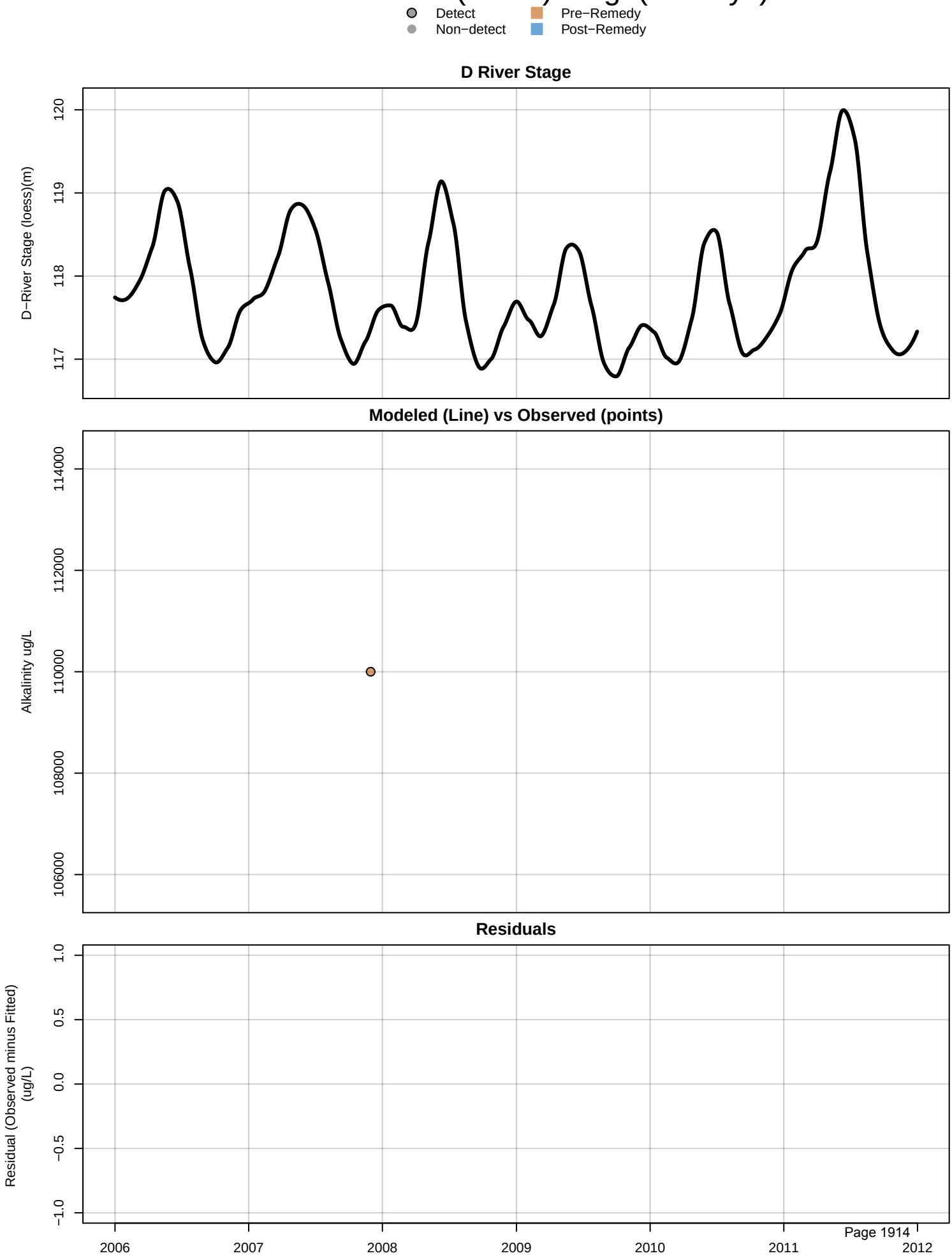


199−H4−46 (423m) Lag (49 Days)

Detect
Non−detect
Pre−Remedy
Post−Remedy

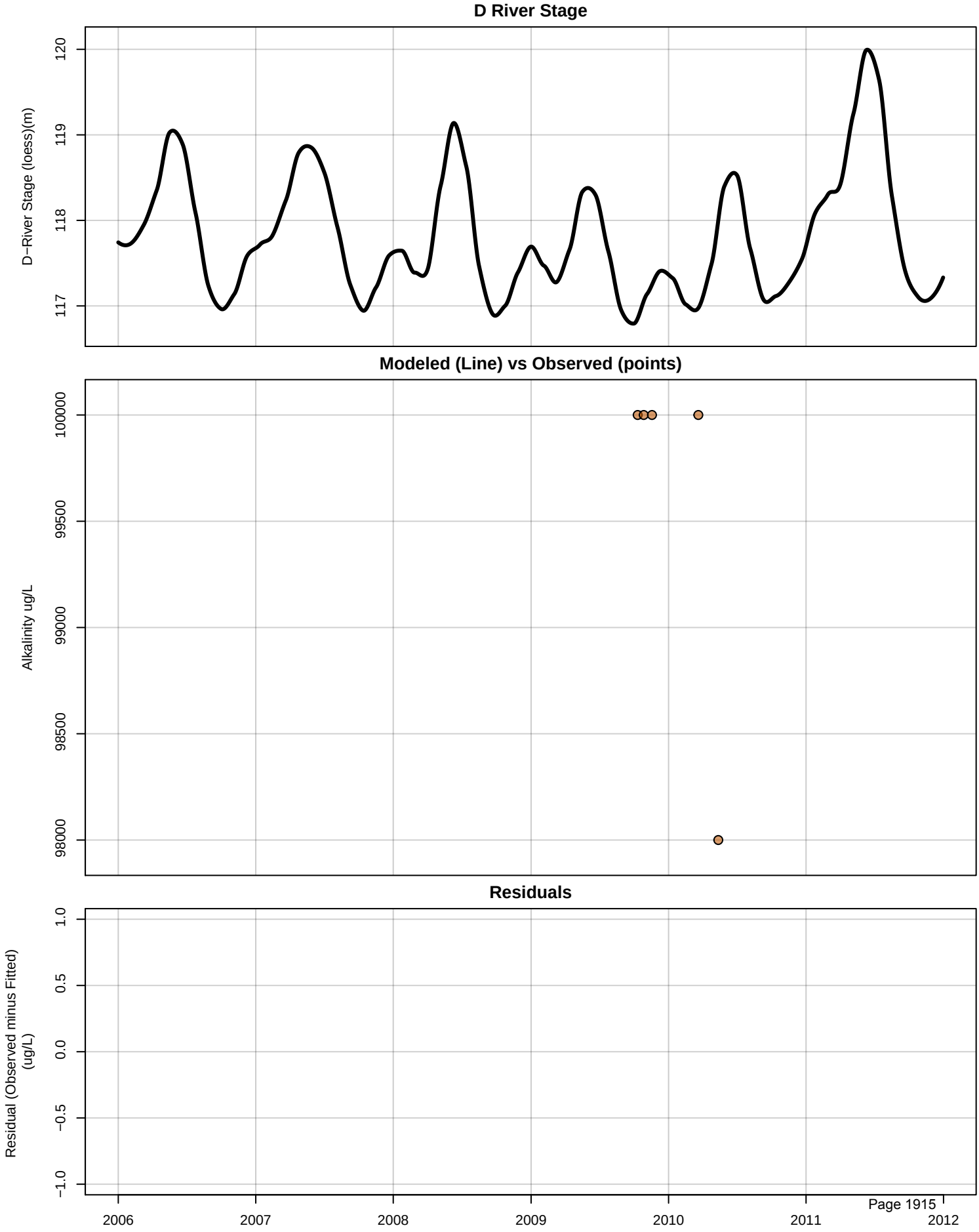


199−H4−47 (363m) Lag (48 Days)



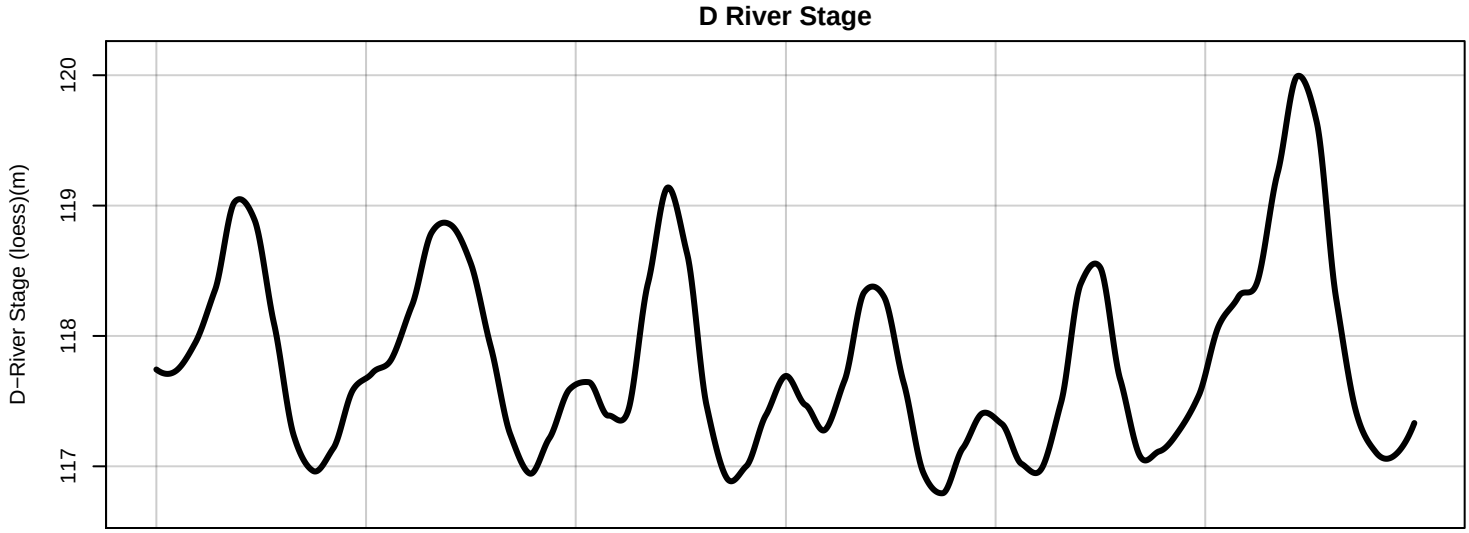
199−H4−48 (415m) Lag (49 Days)

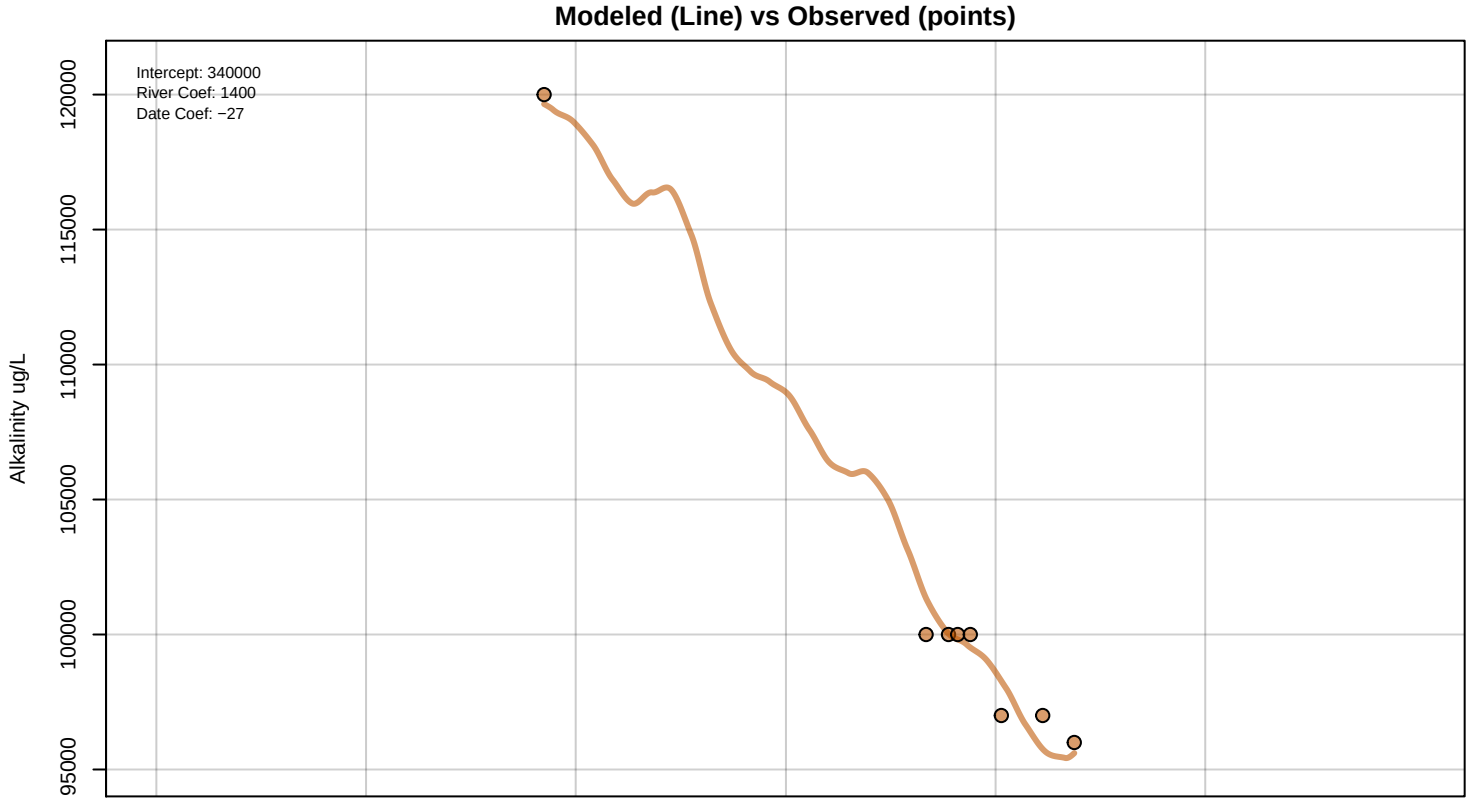
Detect
Non−detect
Pre−Remedy
Post−Remedy

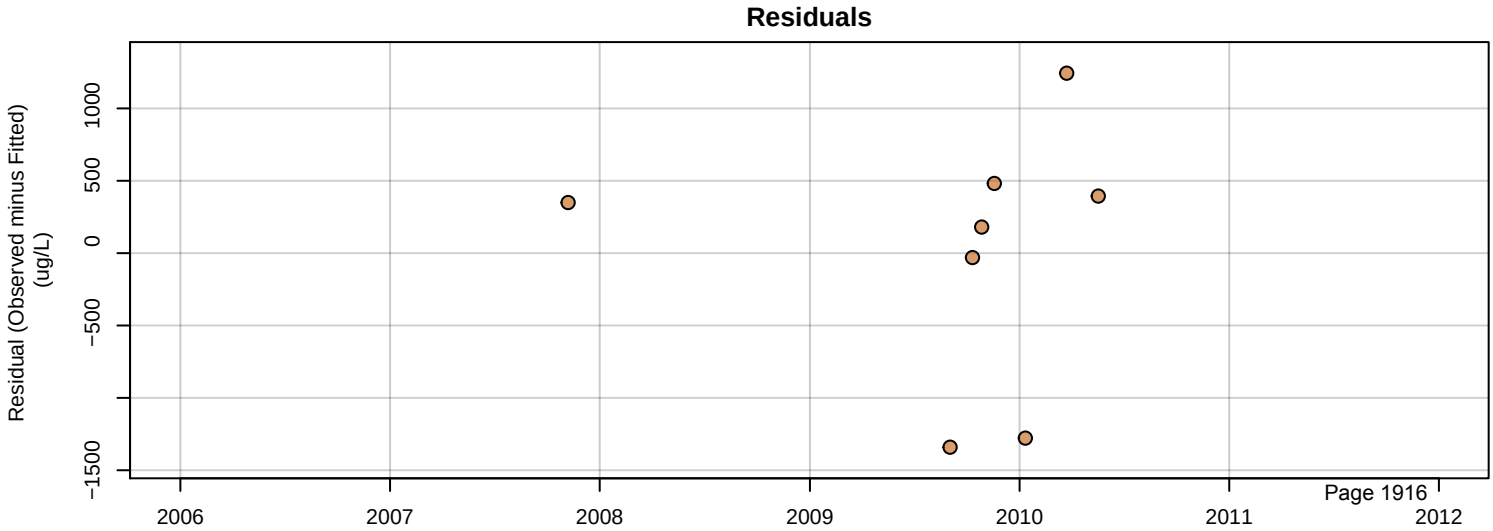


199−H4−5 (111m) Lag (7 Days)

Detect
Non−detect
Pre−Remedy
Post−Remedy

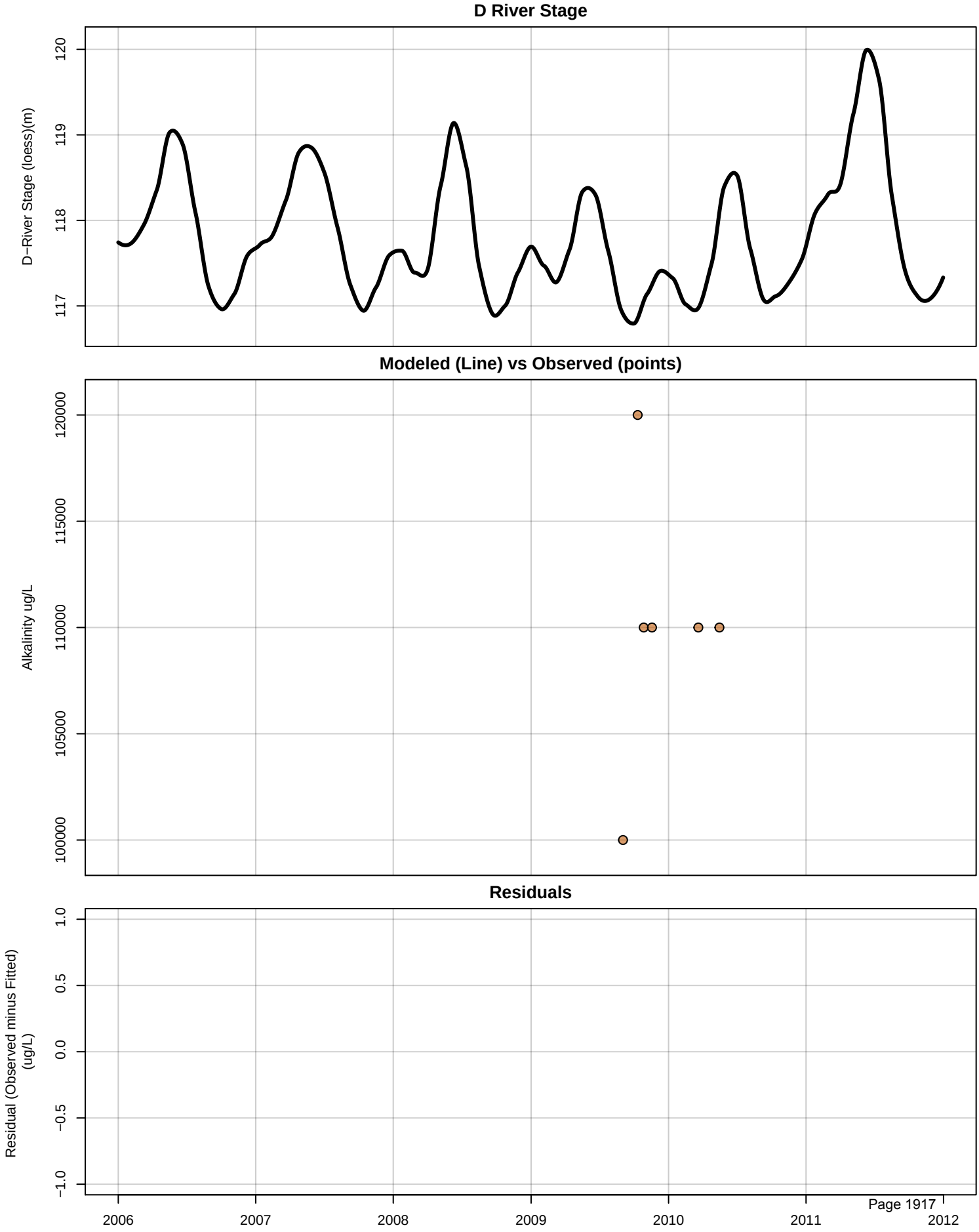






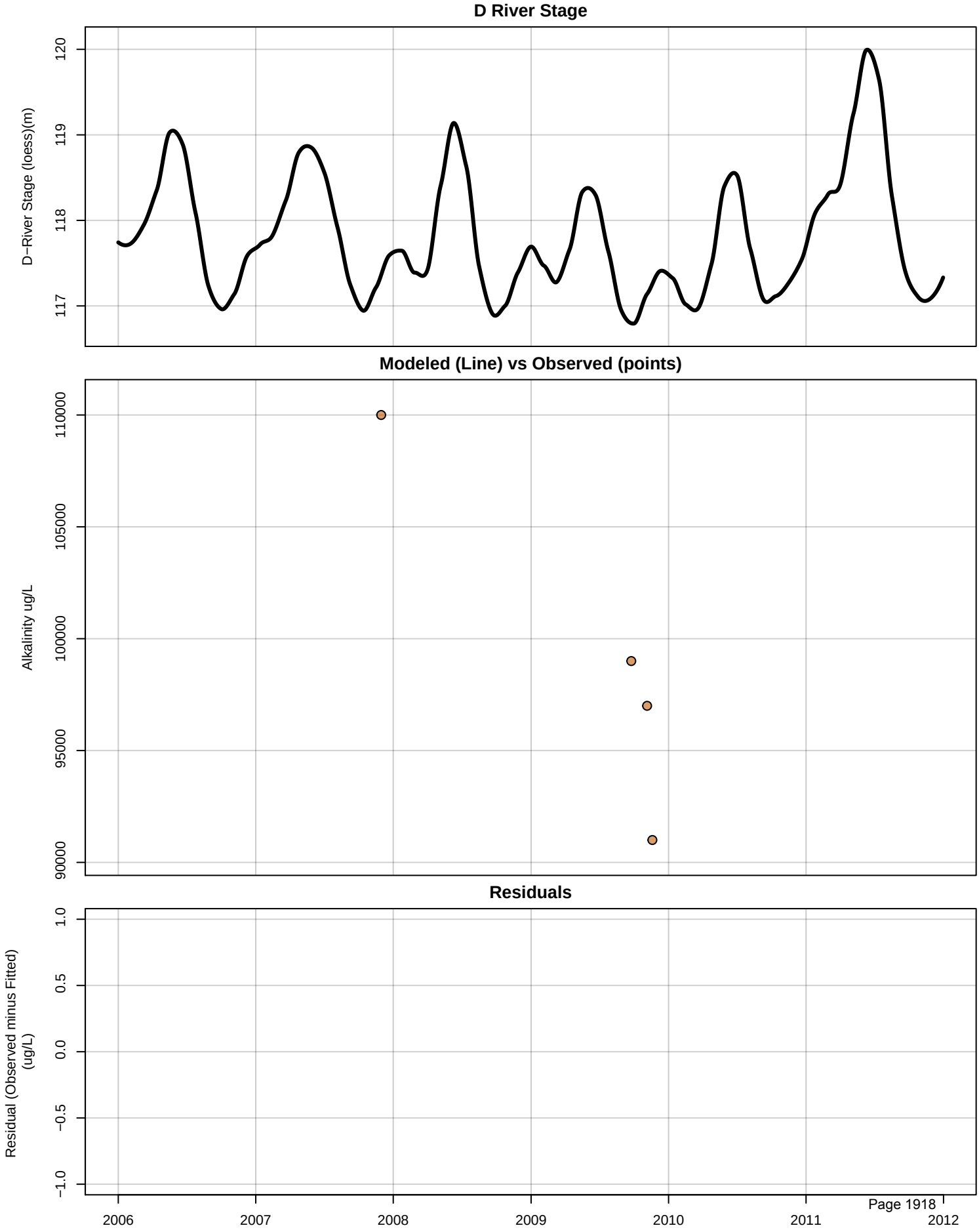
199−H4−6 (417m) Lag (40 Days)

Detect
Non−detect
Pre−Remedy
Post−Remedy

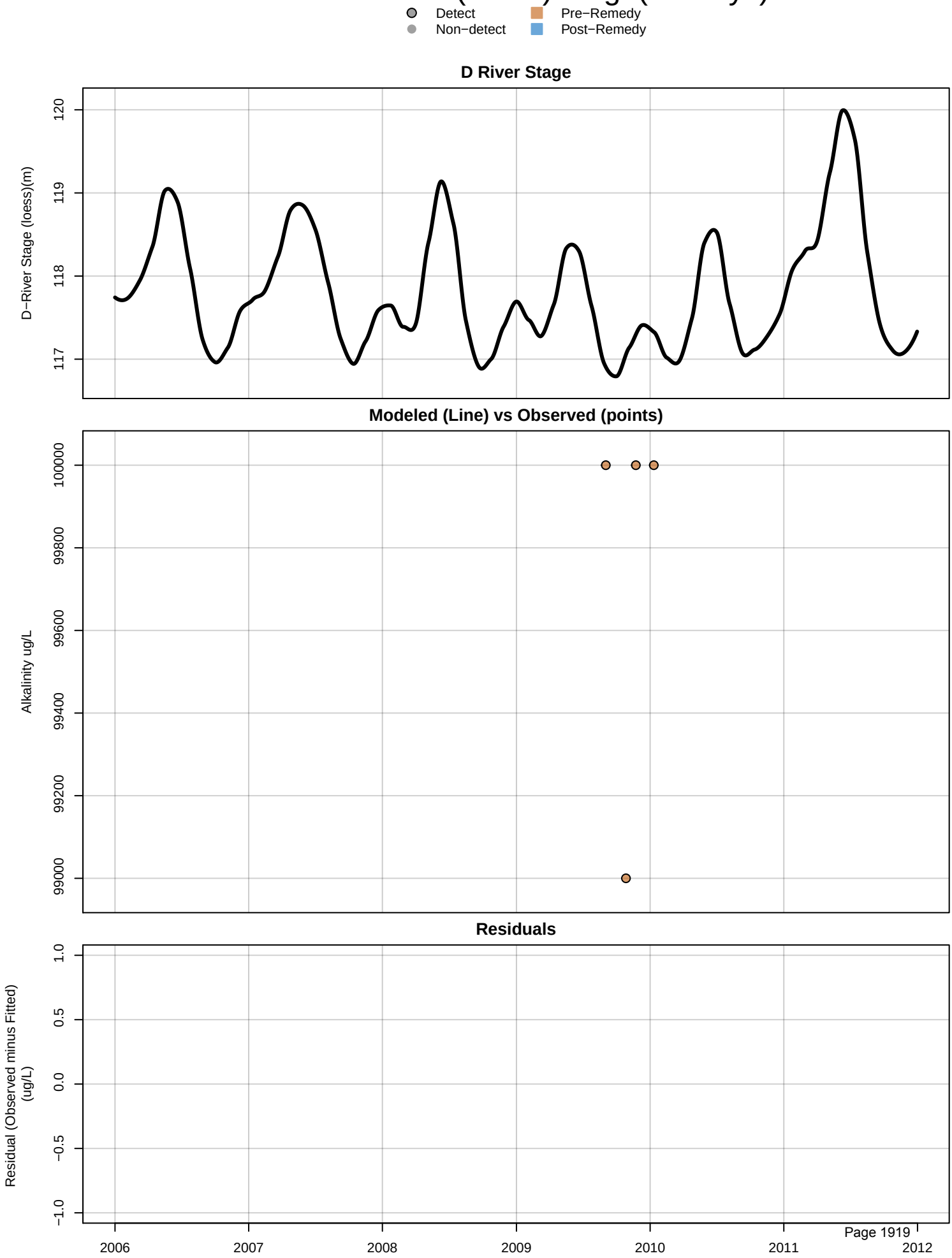


199−H4−63* (52m) Lag (4 Days)

Detect
Non−detect
Pre−Remedy
Post−Remedy

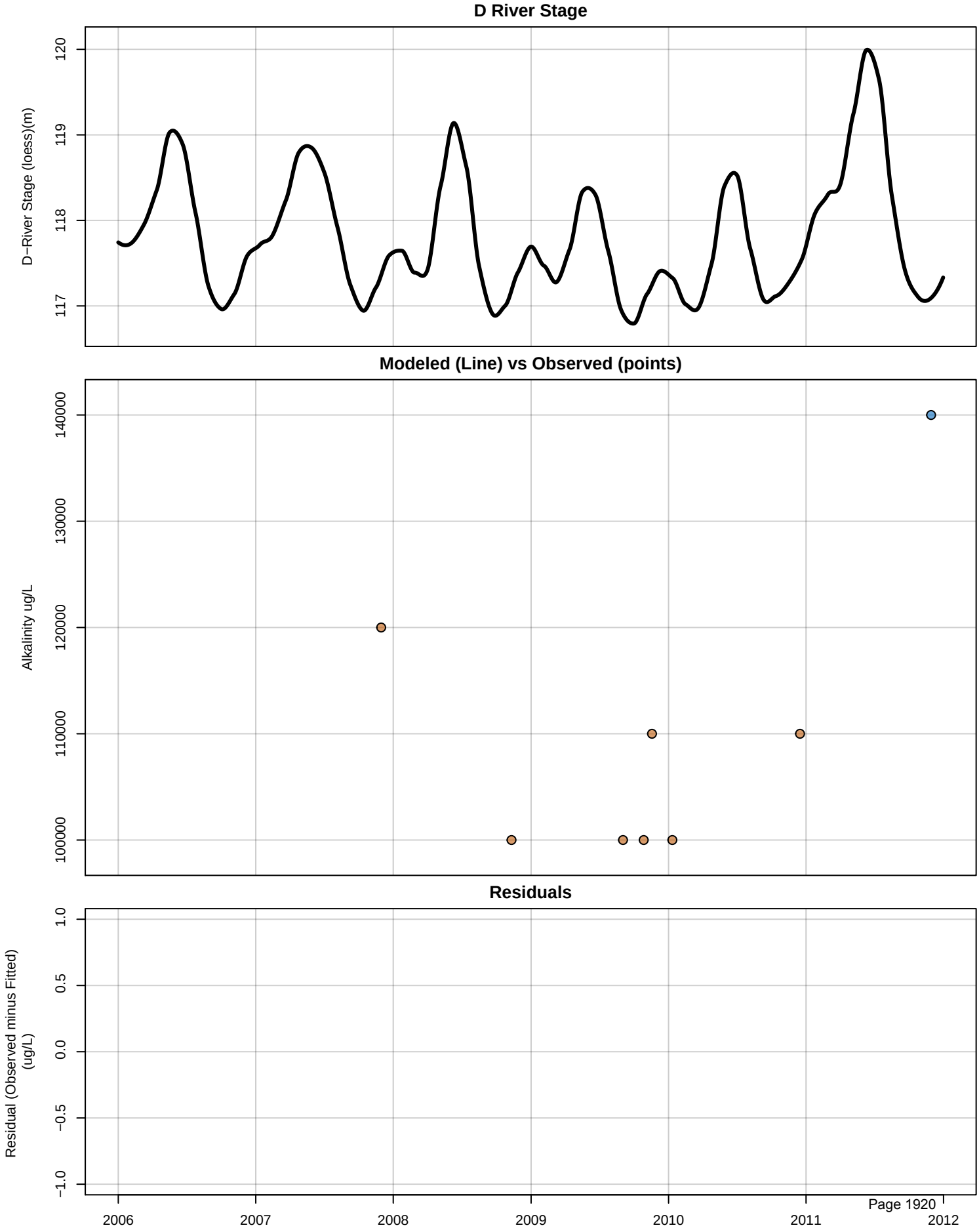


199−H4−65 (151m) Lag (14 Days)



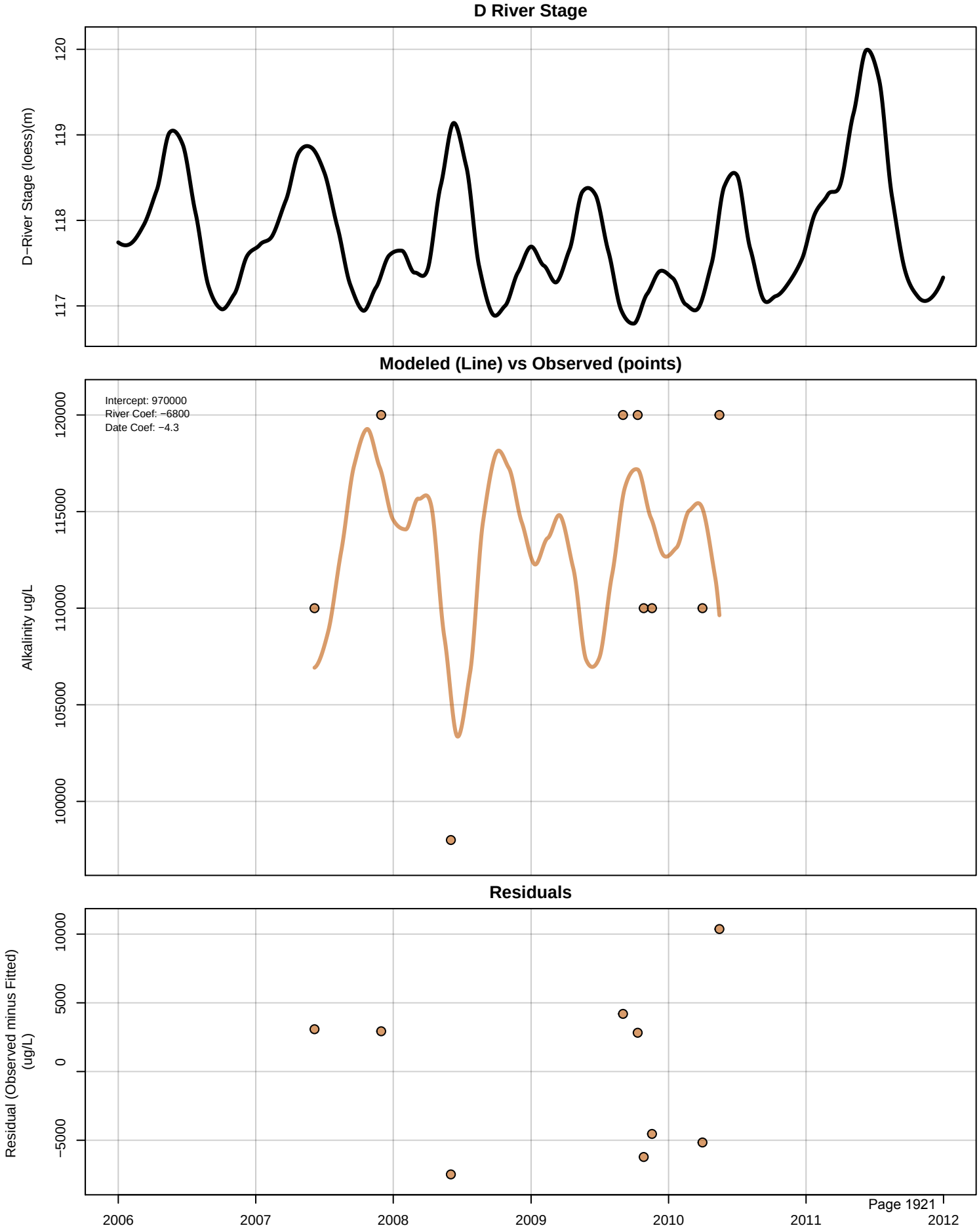
199−H4−8 (192m) Lag (14 Days)

Detect
Non−detect
Pre−Remedy
Post−Remedy

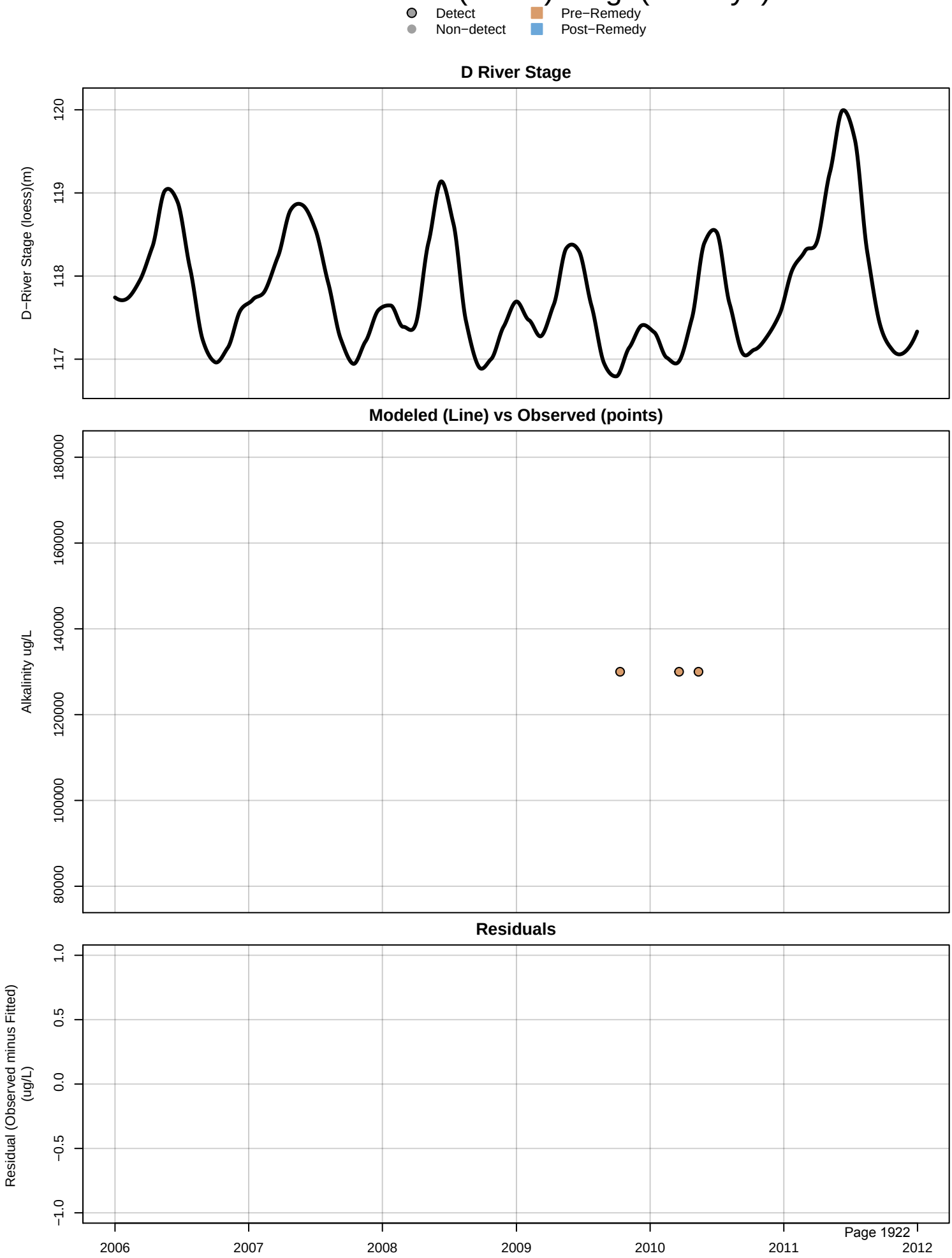


199−H4−9 (154m) Lag (10 Days)

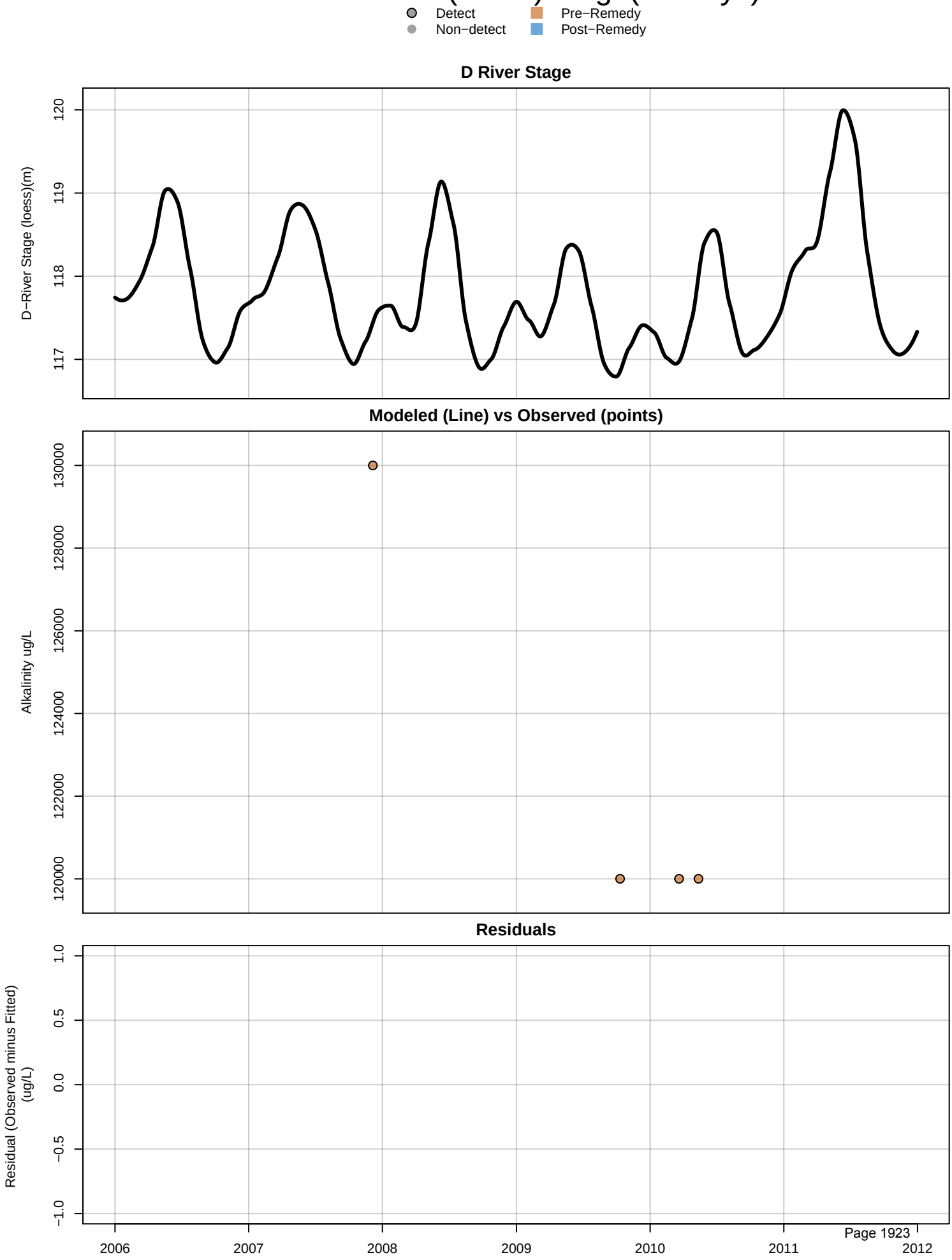
Detect
Non−detect
Pre−Remedy
Post−Remedy



199−H5−1A (715m) Lag (59 Days)

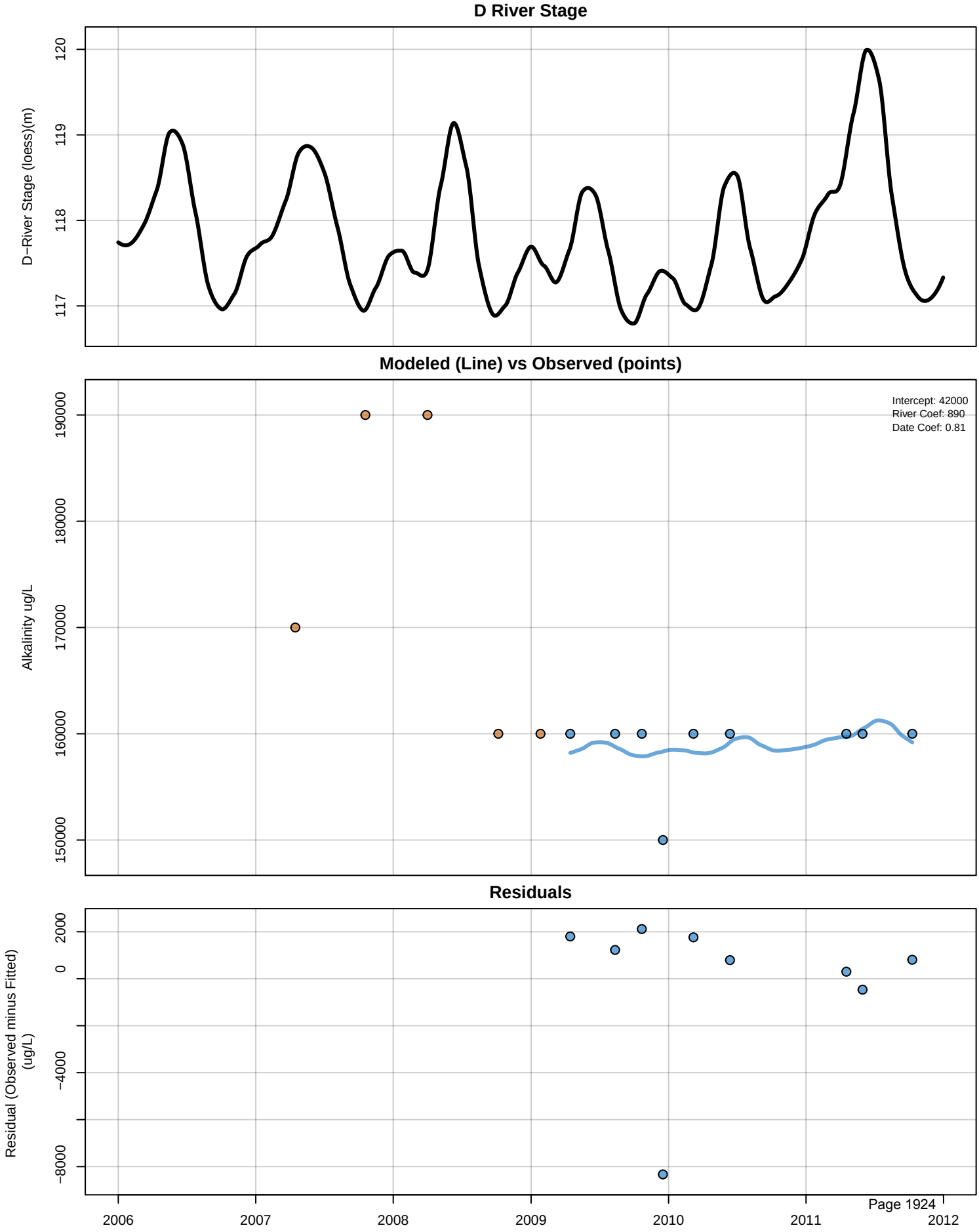


199−H6−1 (291m) Lag (42 Days)

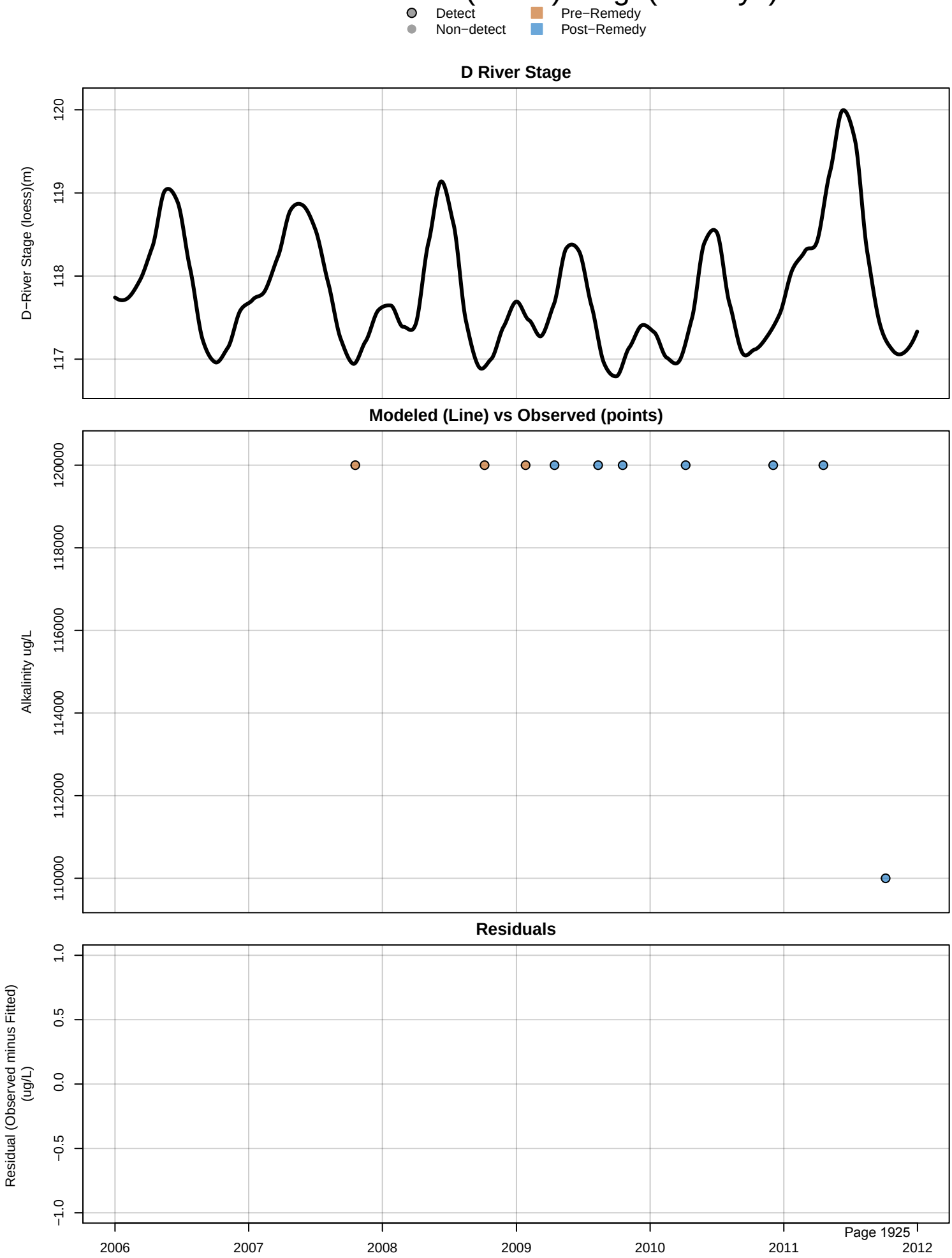


199−K−106A (437m) Lag (29 Days)

Detect
Non−detect
Pre−Remedy
Post−Remedy

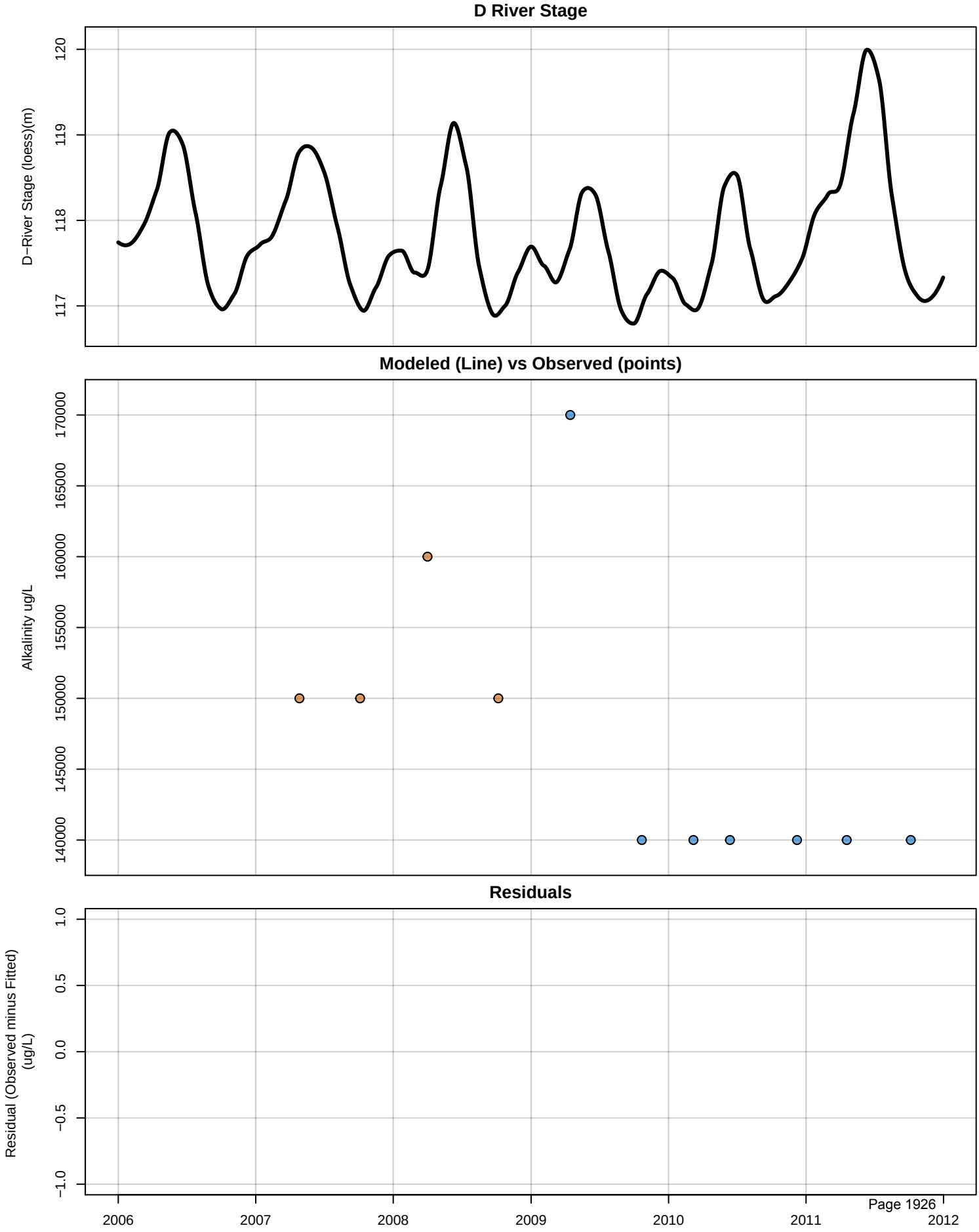


199−K−107A (388m) Lag (19 Days)

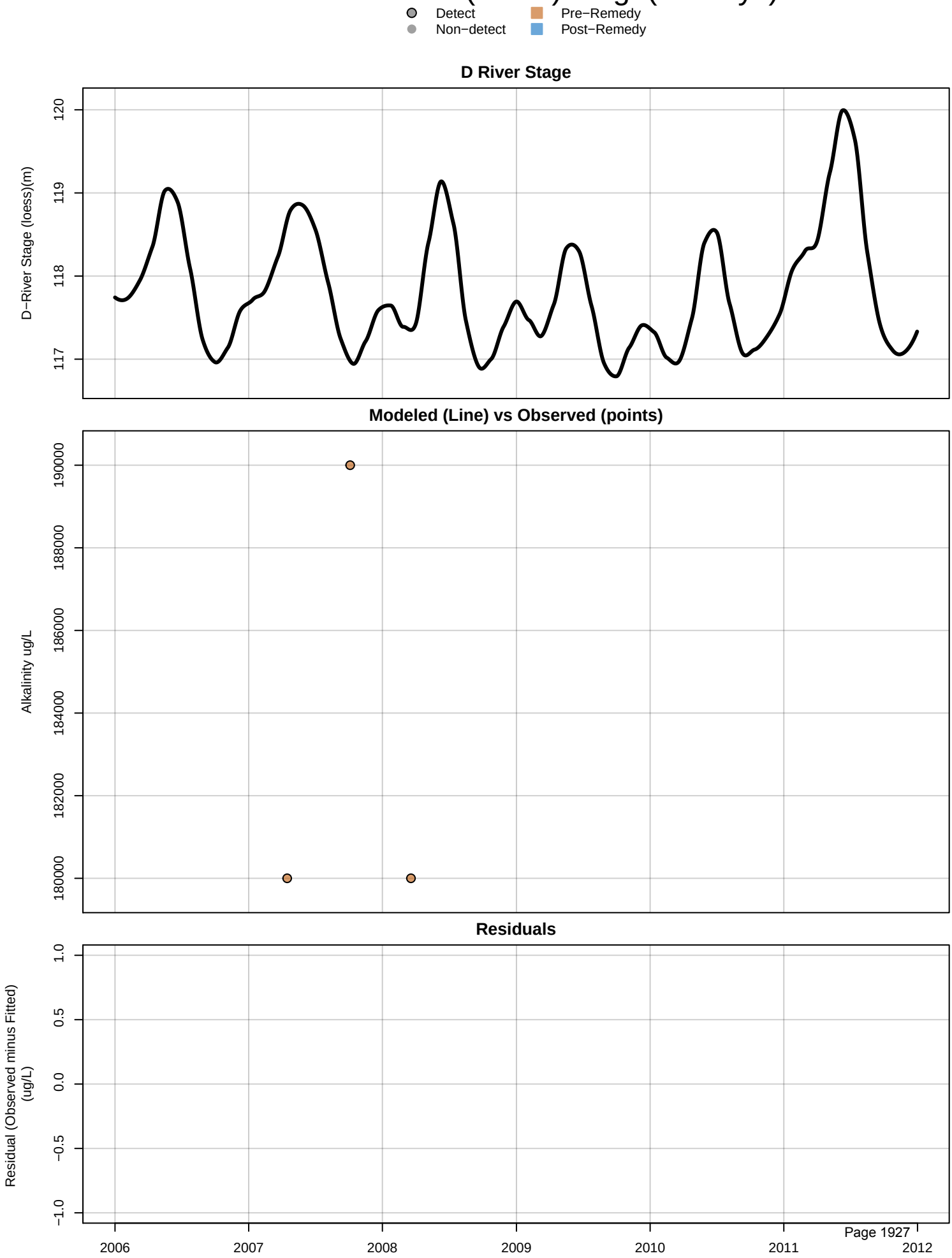


199−K−108A (516m) Lag (27 Days)

Detect
Non−detect
Pre−Remedy
Post−Remedy

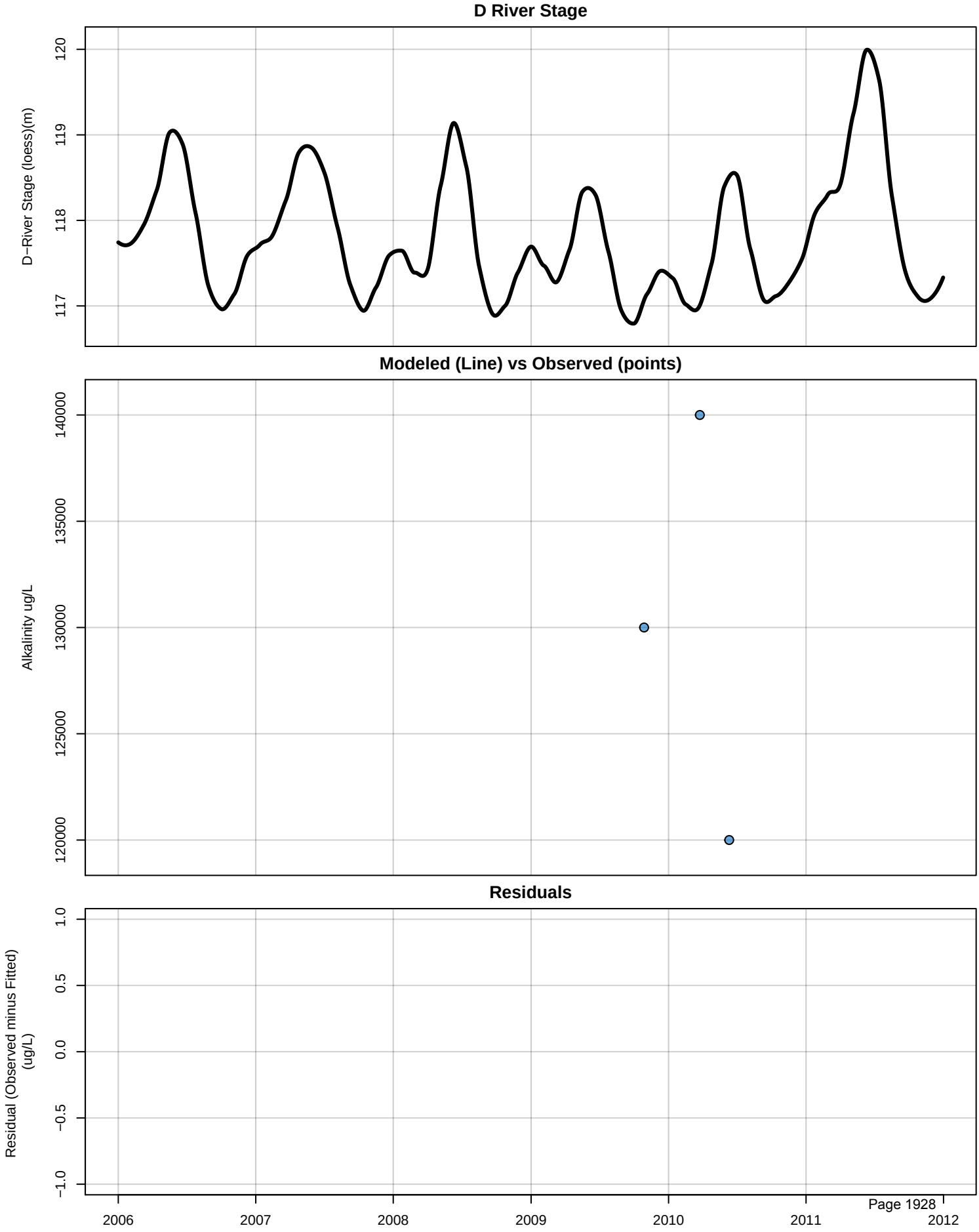


199−K−109A (485m) Lag (51 Days)

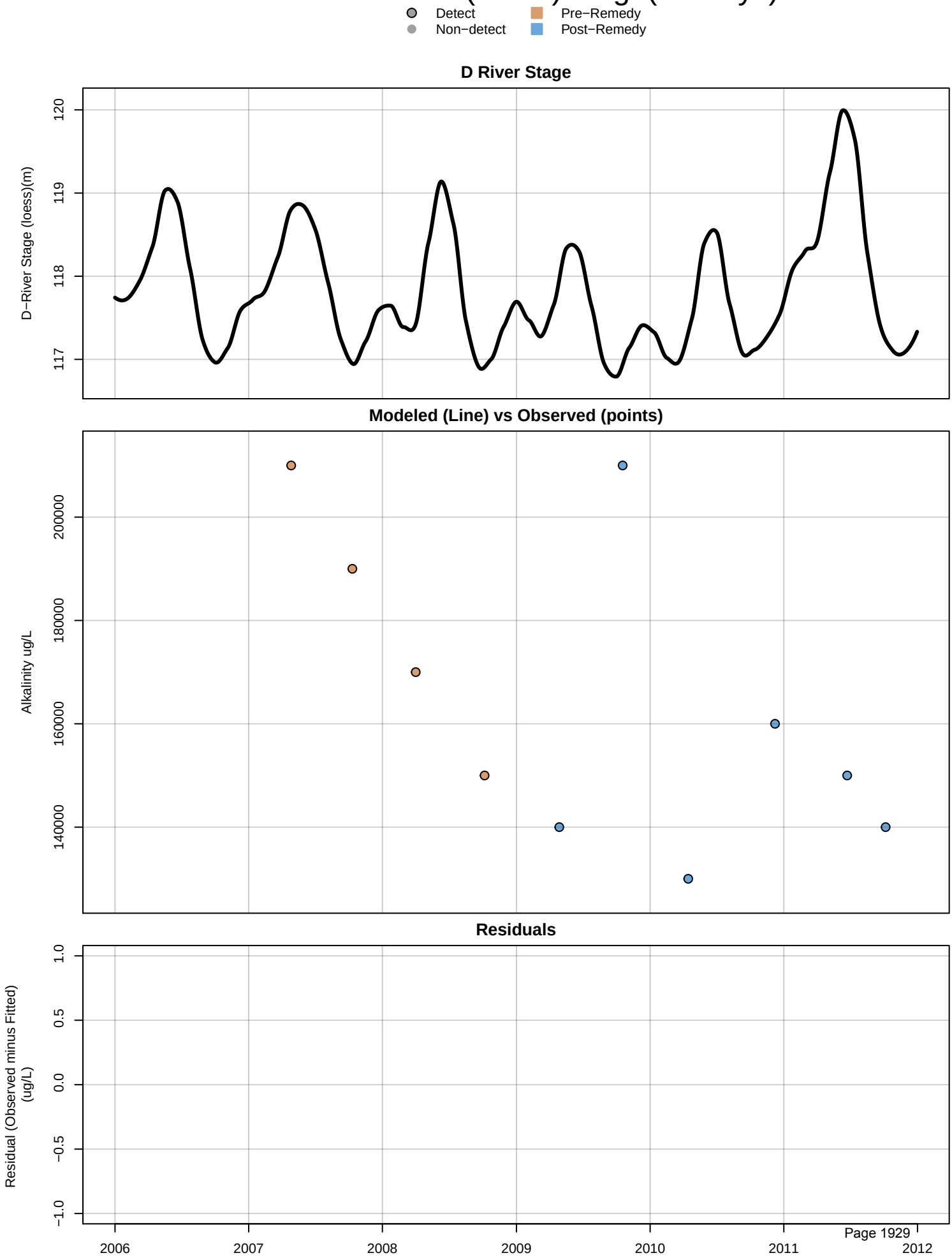


199−K−11 (478m) Lag (22 Days)

Detect
Non−detect
Pre−Remedy
Post−Remedy

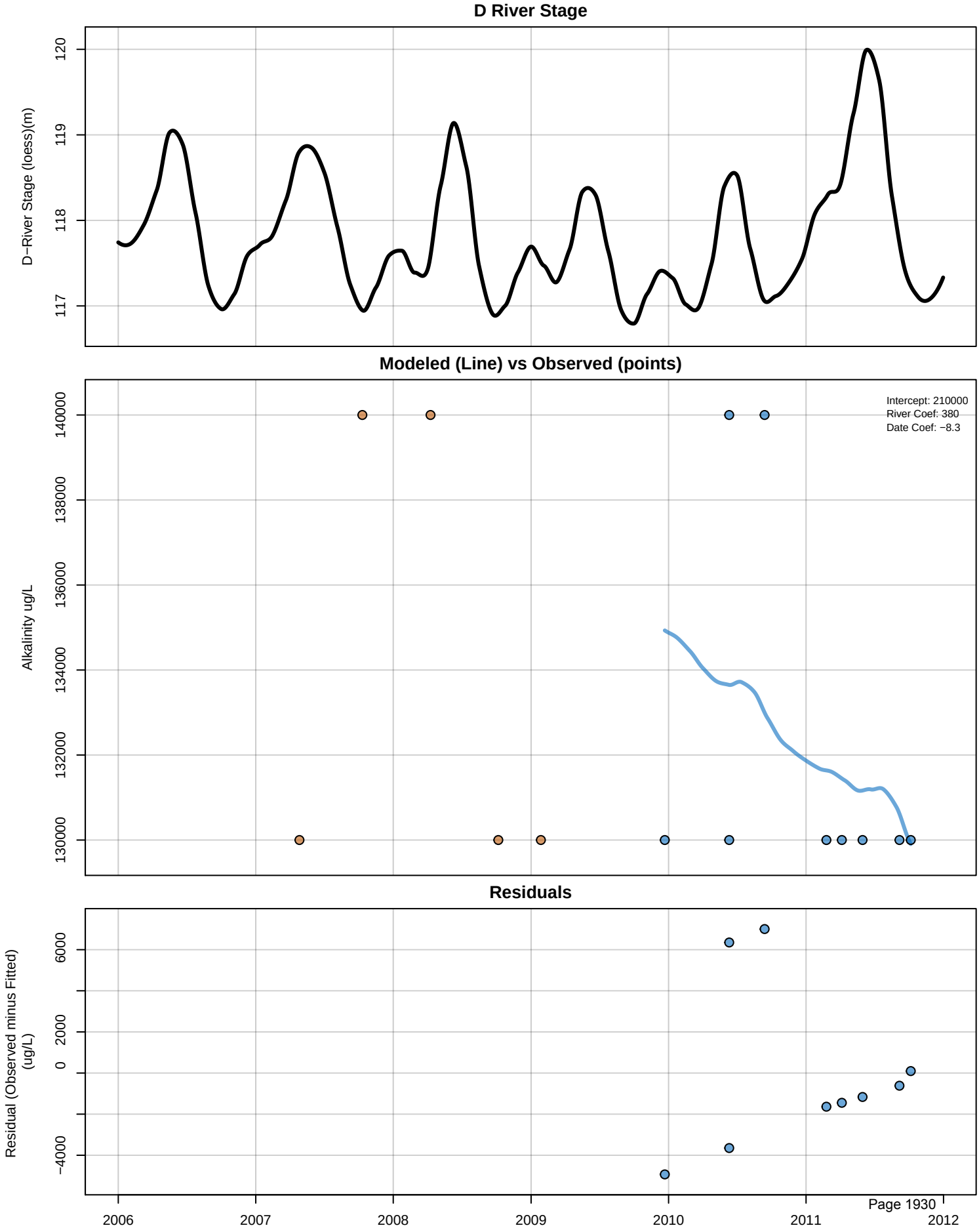


199−K−110A (613m) Lag (51 Days)

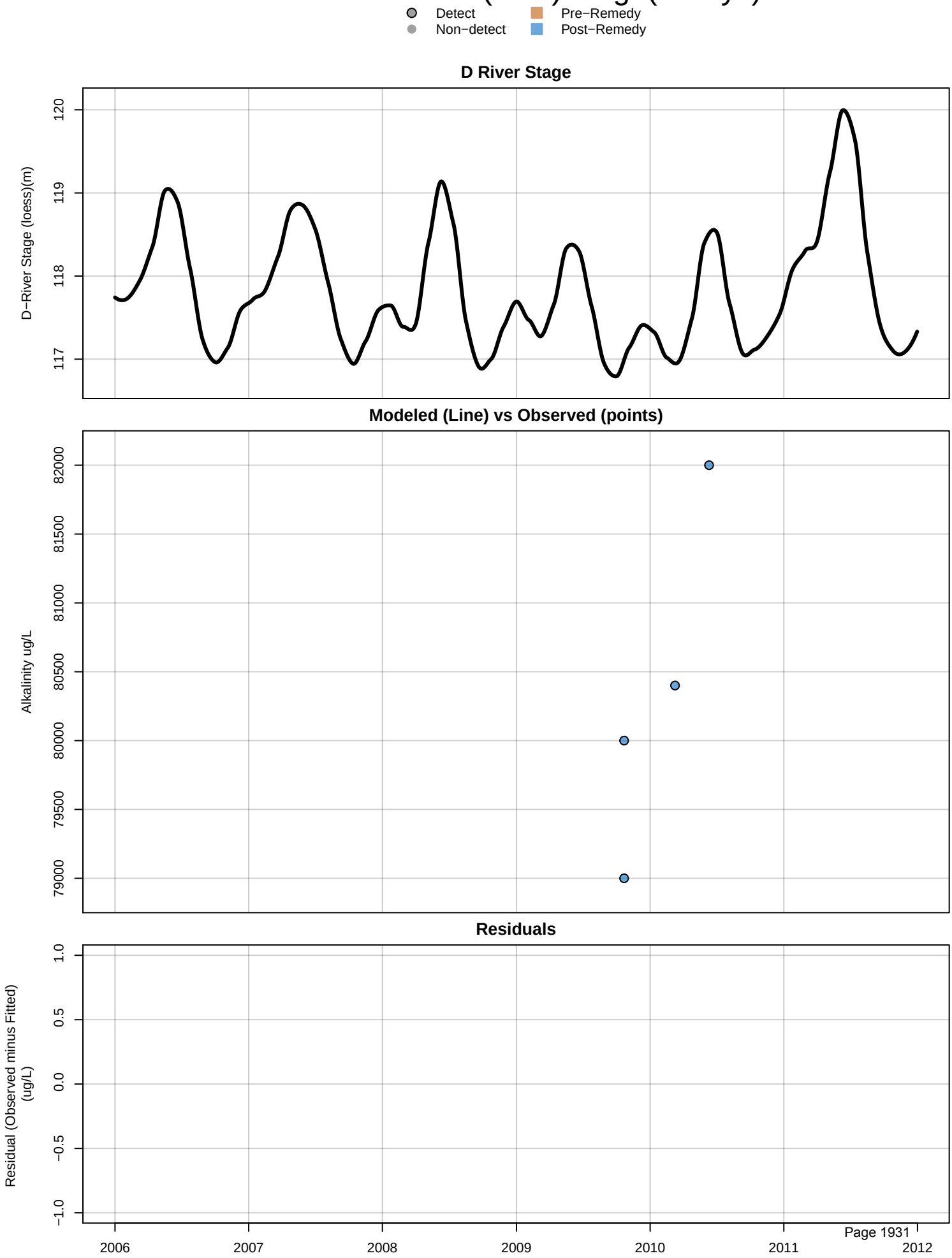


199−K−111A (467m) Lag (46 Days)

Detect
Non−detect
Pre−Remedy
Post−Remedy

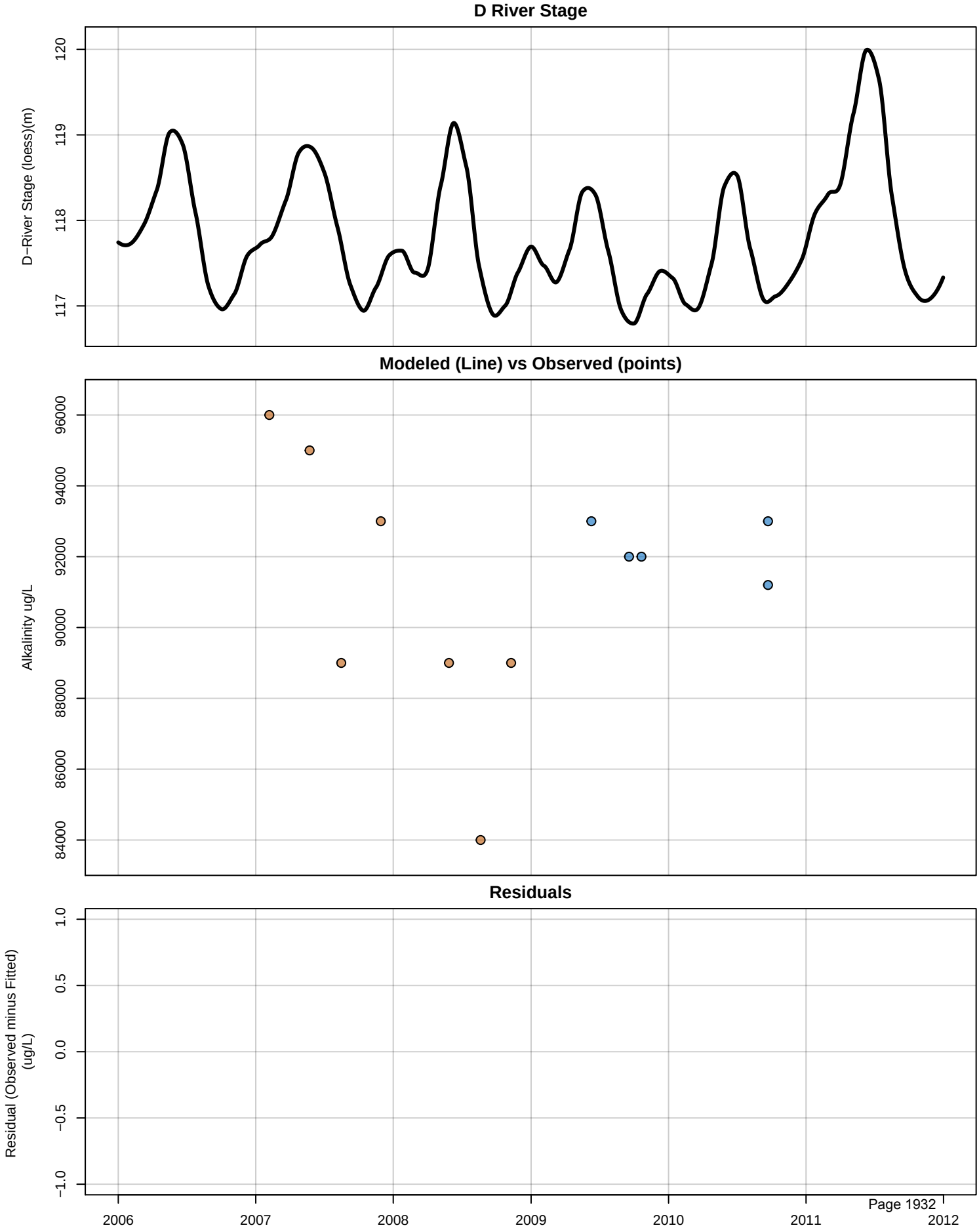


199−K−117A (69m) Lag (8 Days)

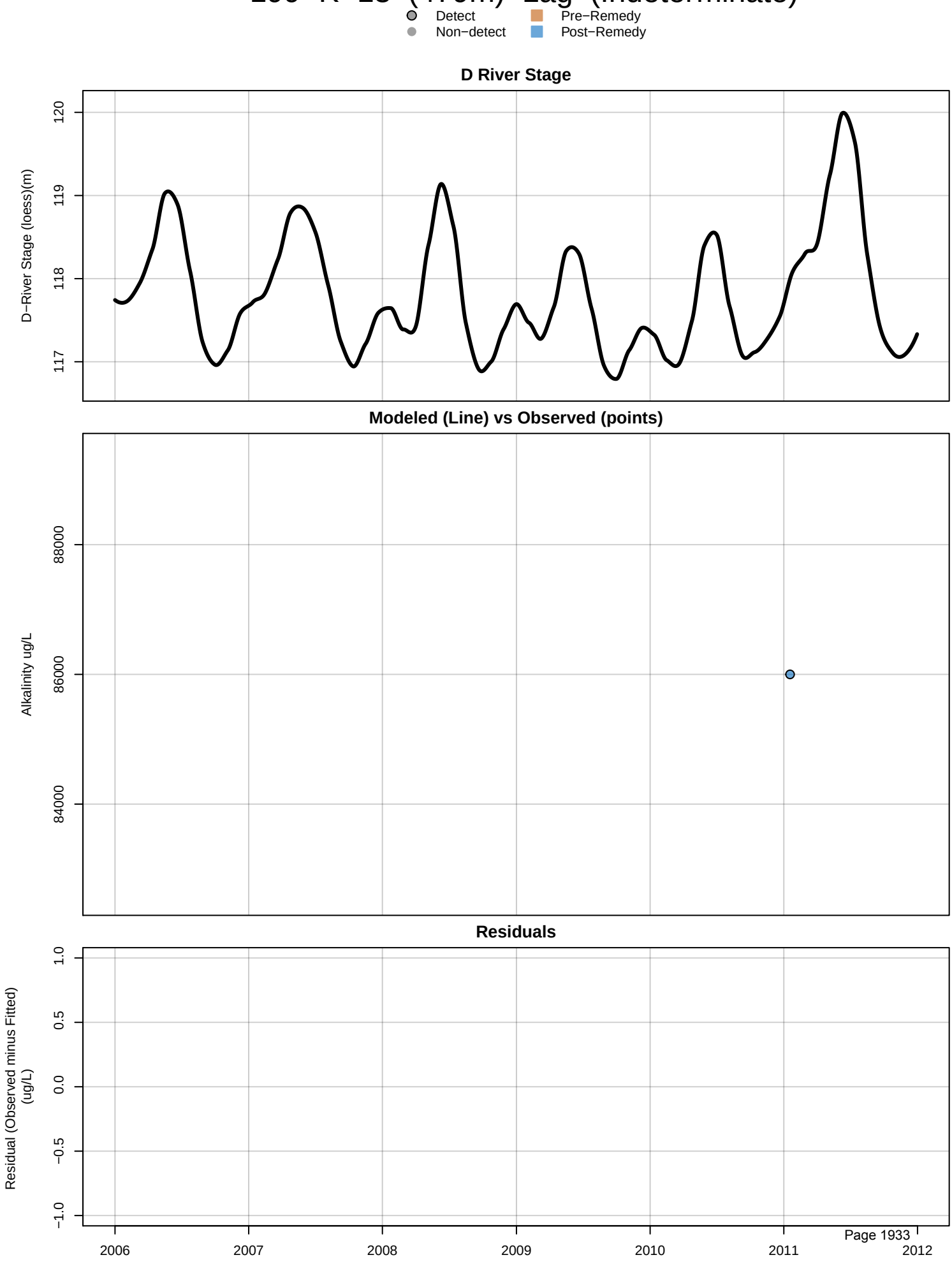


199−K−126 (290m) Lag (0 Days)

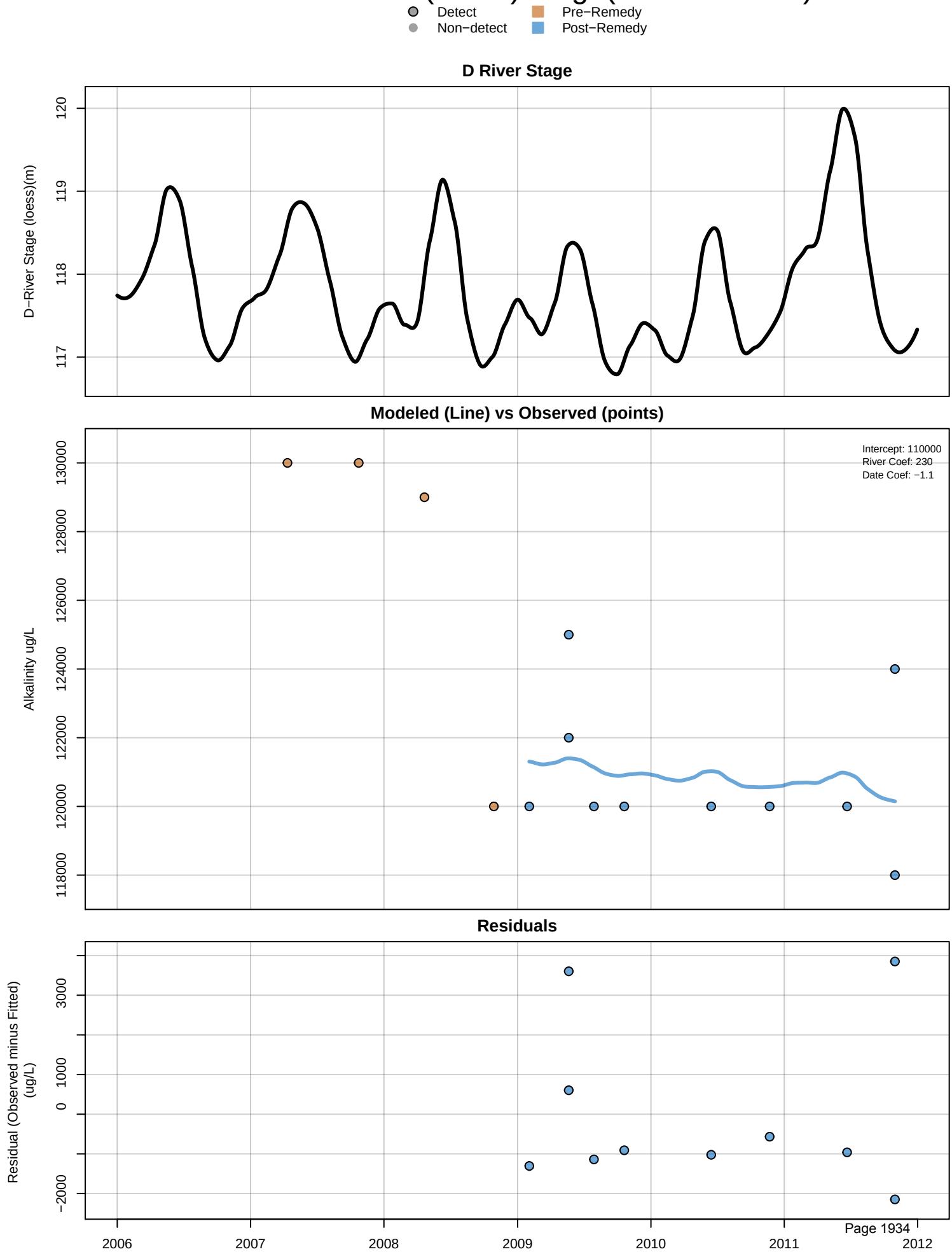
Detect
Non−detect
Pre−Remedy
Post−Remedy



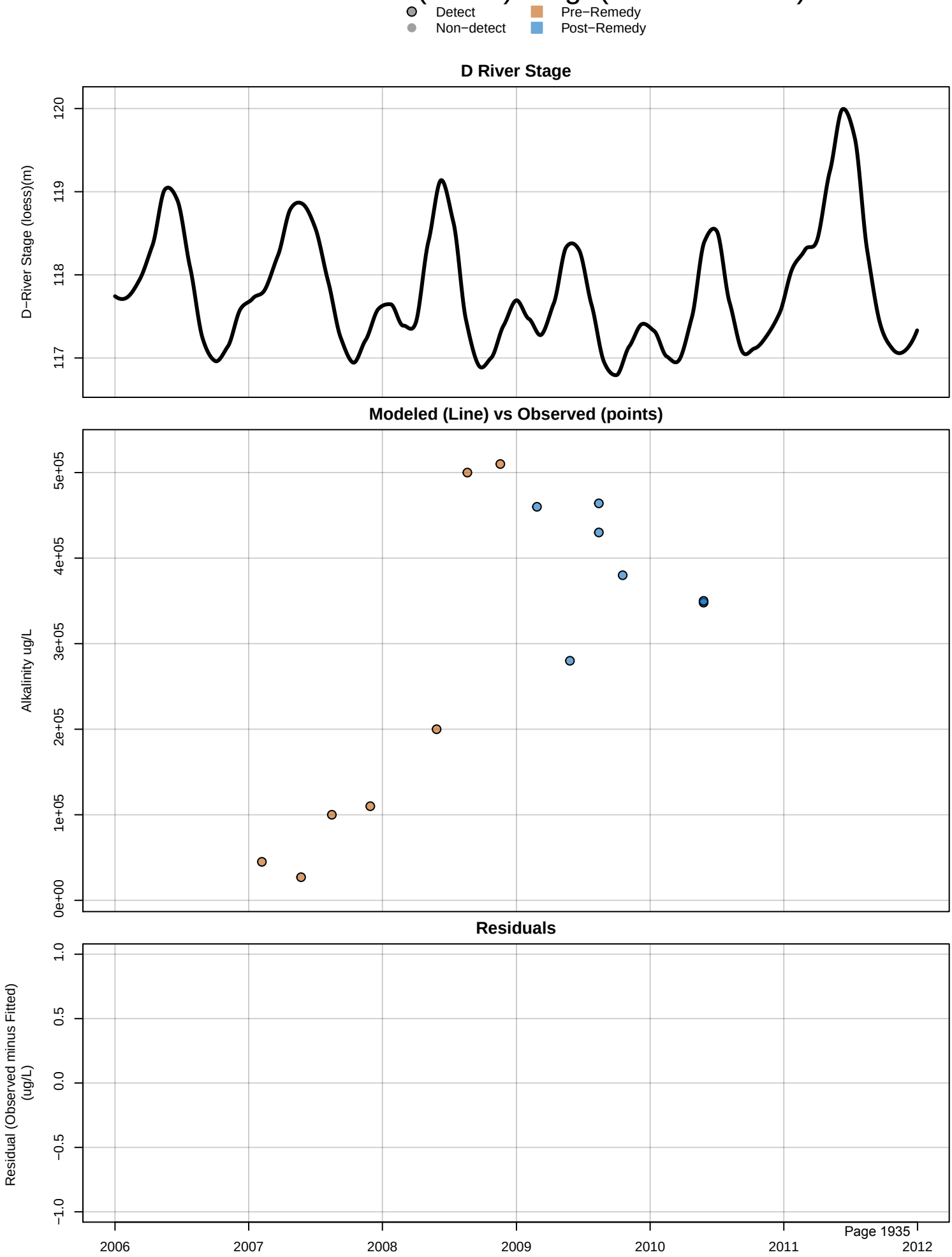
199−K−13 (479m) Lag (Indeterminate)



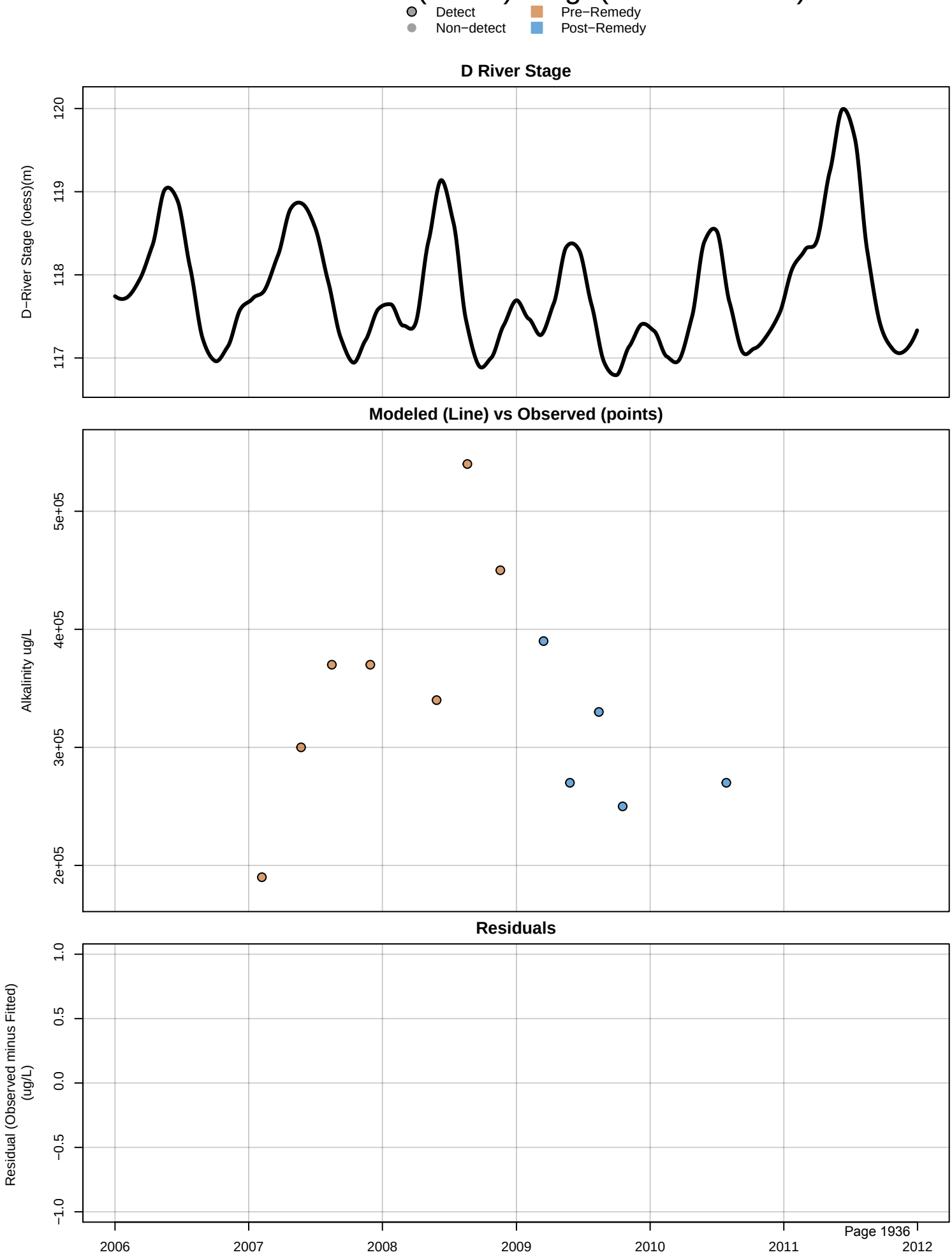
199−K−132* (181m) Lag (Indeterminate)



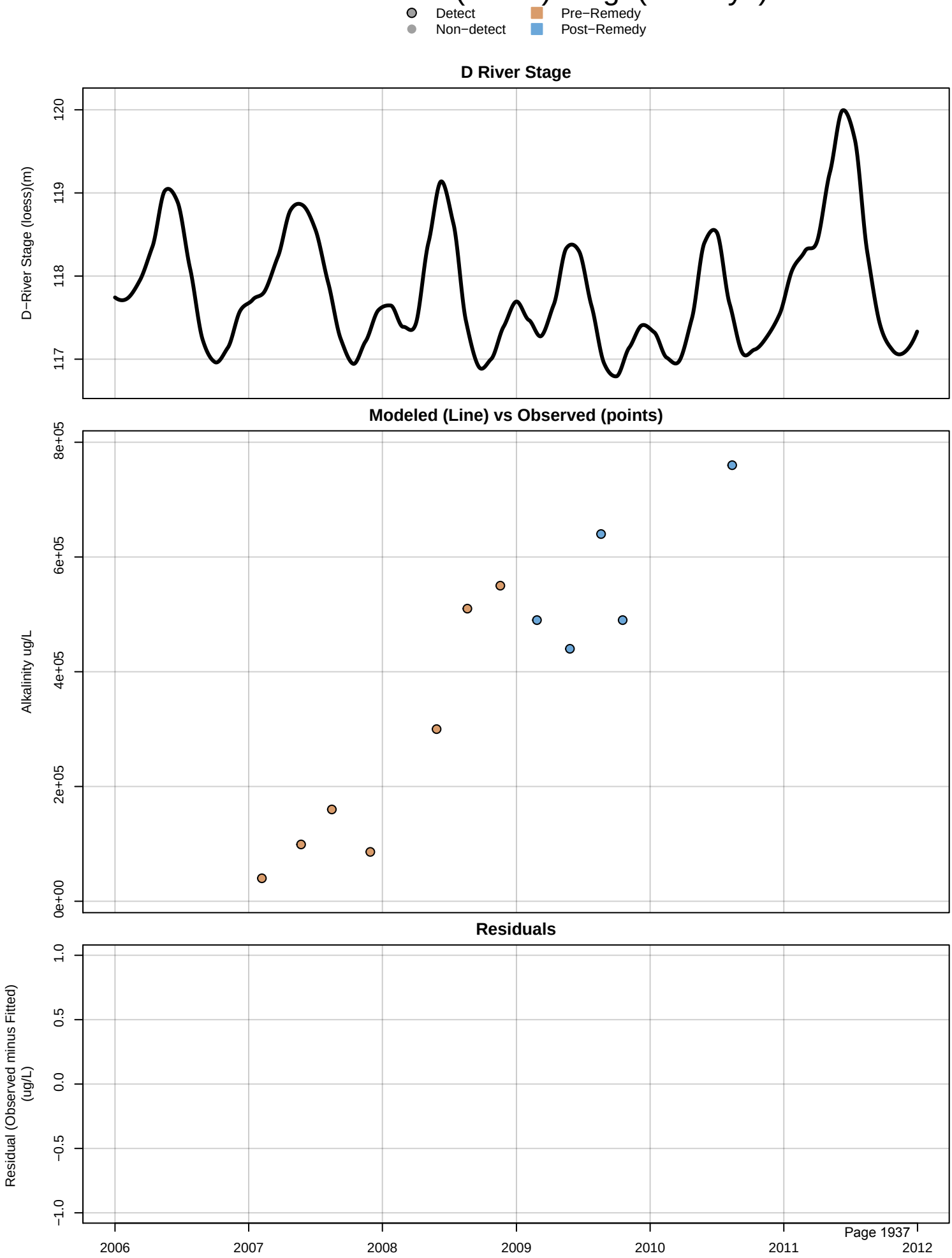
199−K−133 (261m) Lag (Indeterminate)



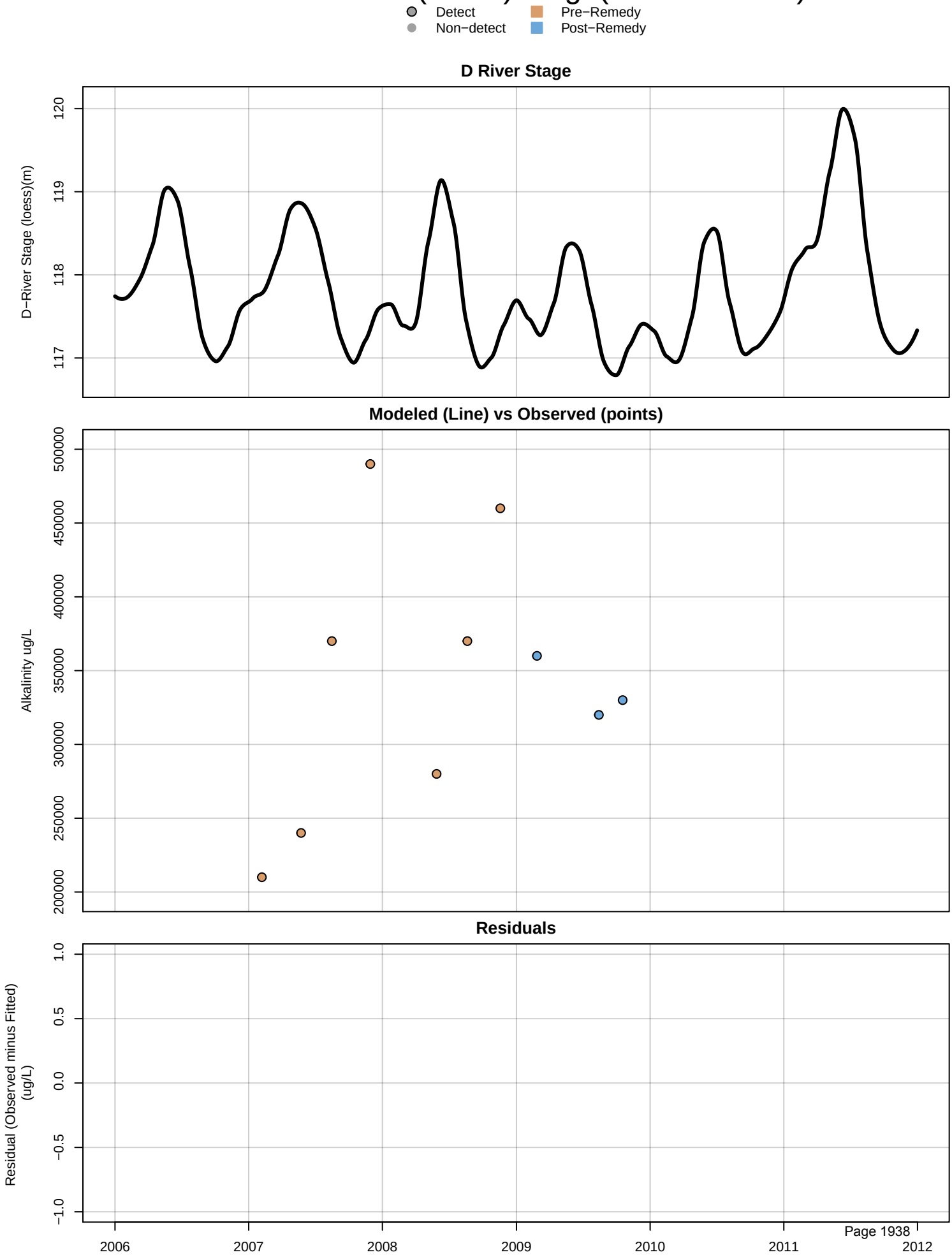
199−K−134 (298m) Lag (Indeterminate)



199−K−135 (319m) Lag (22 Days)

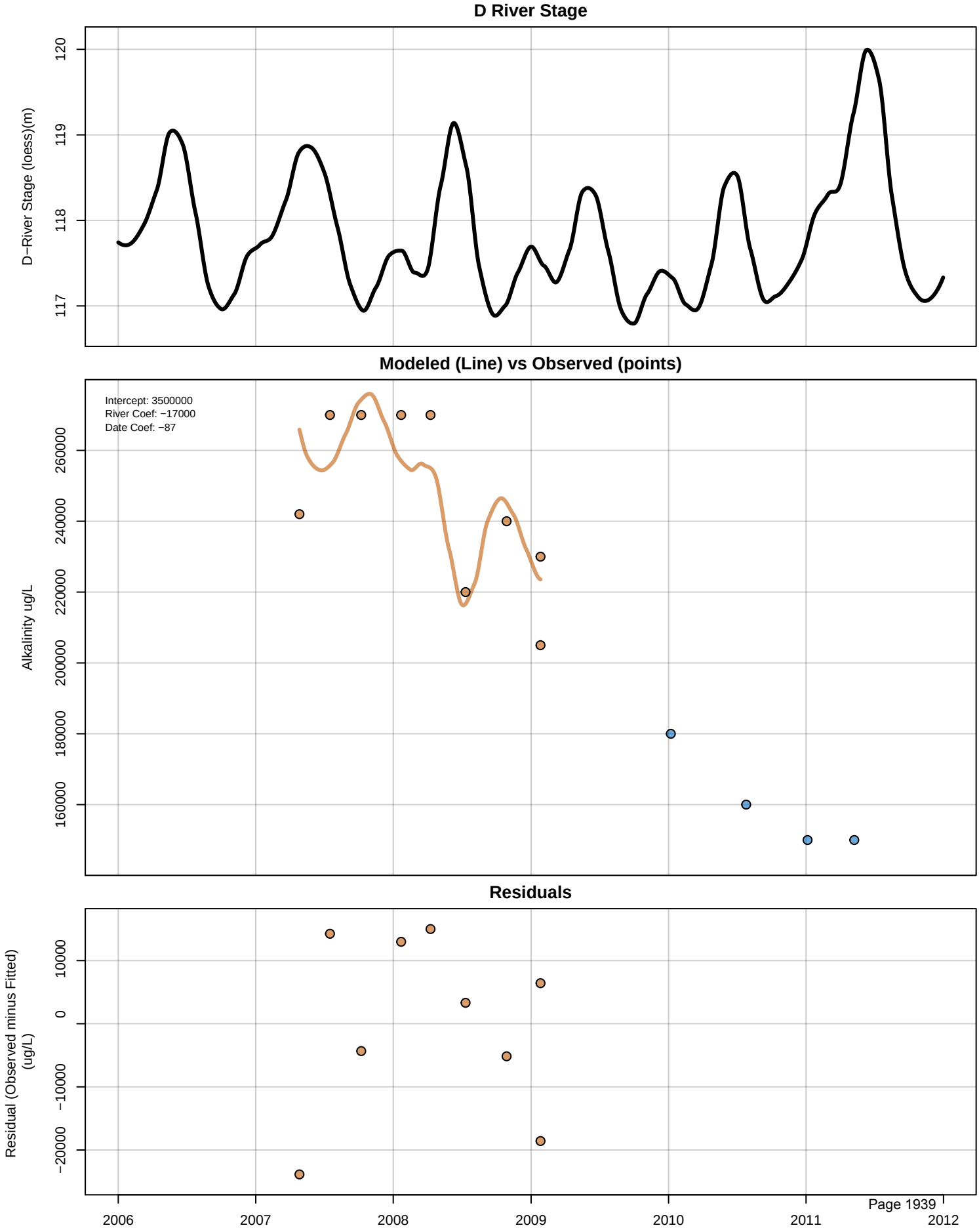


199−K−136 (281m) Lag (Indeterminate)



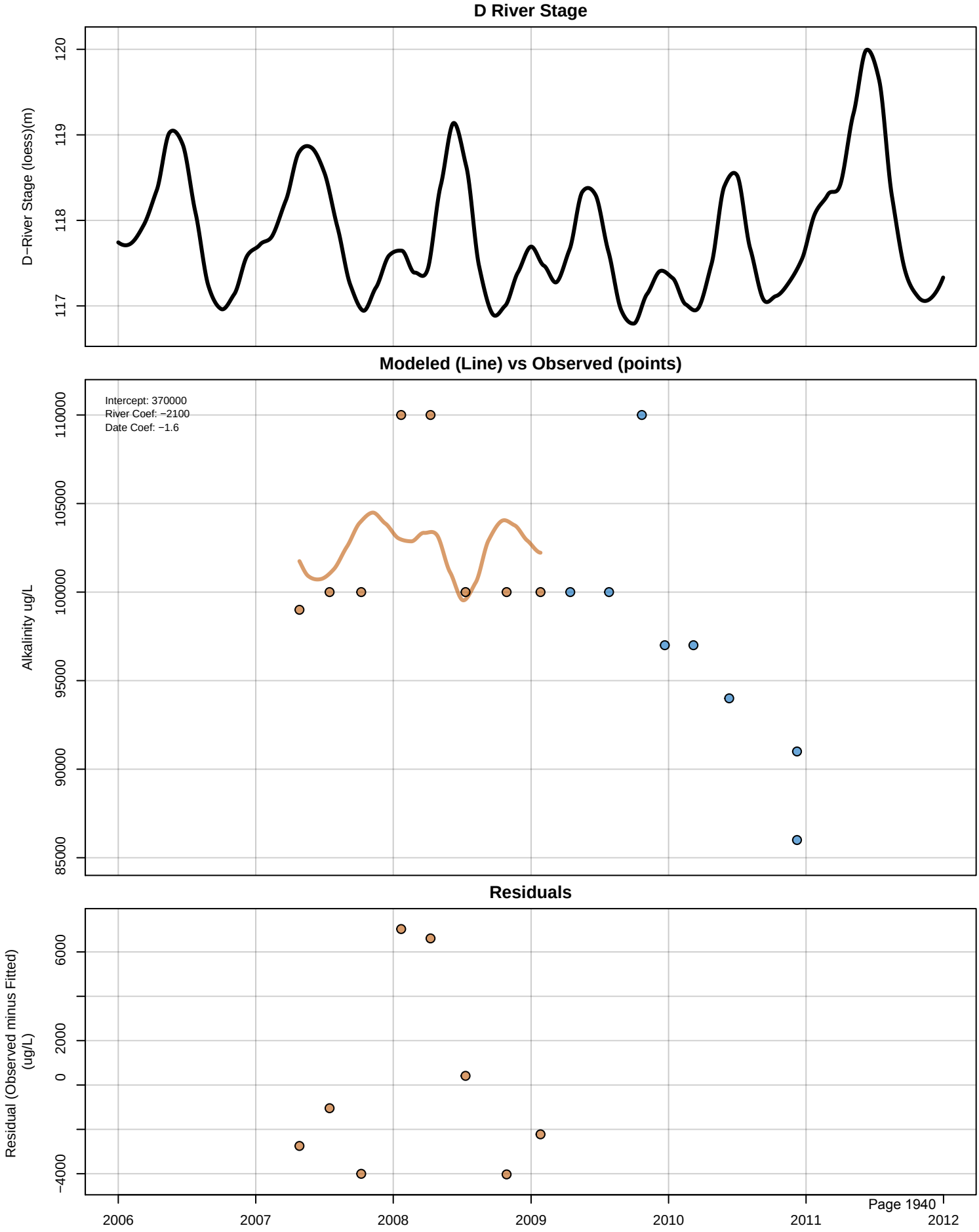
199−K−141* (366m) Lag (22 Days)

Detect
Non−detect
Pre−Remedy
Post−Remedy

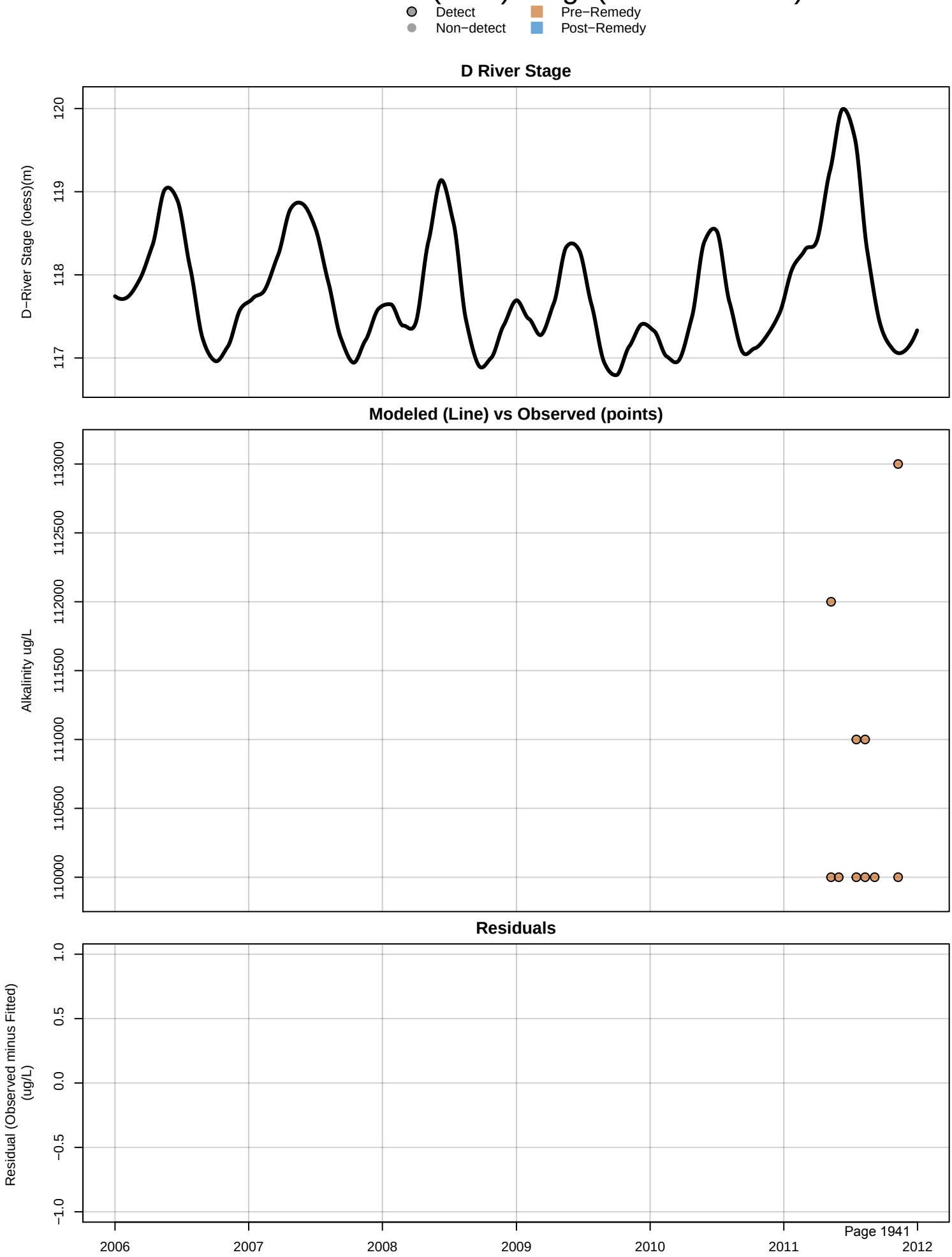


199−K−142 (391m) Lag (25 Days)

Detect
Non−detect
Pre−Remedy
Post−Remedy

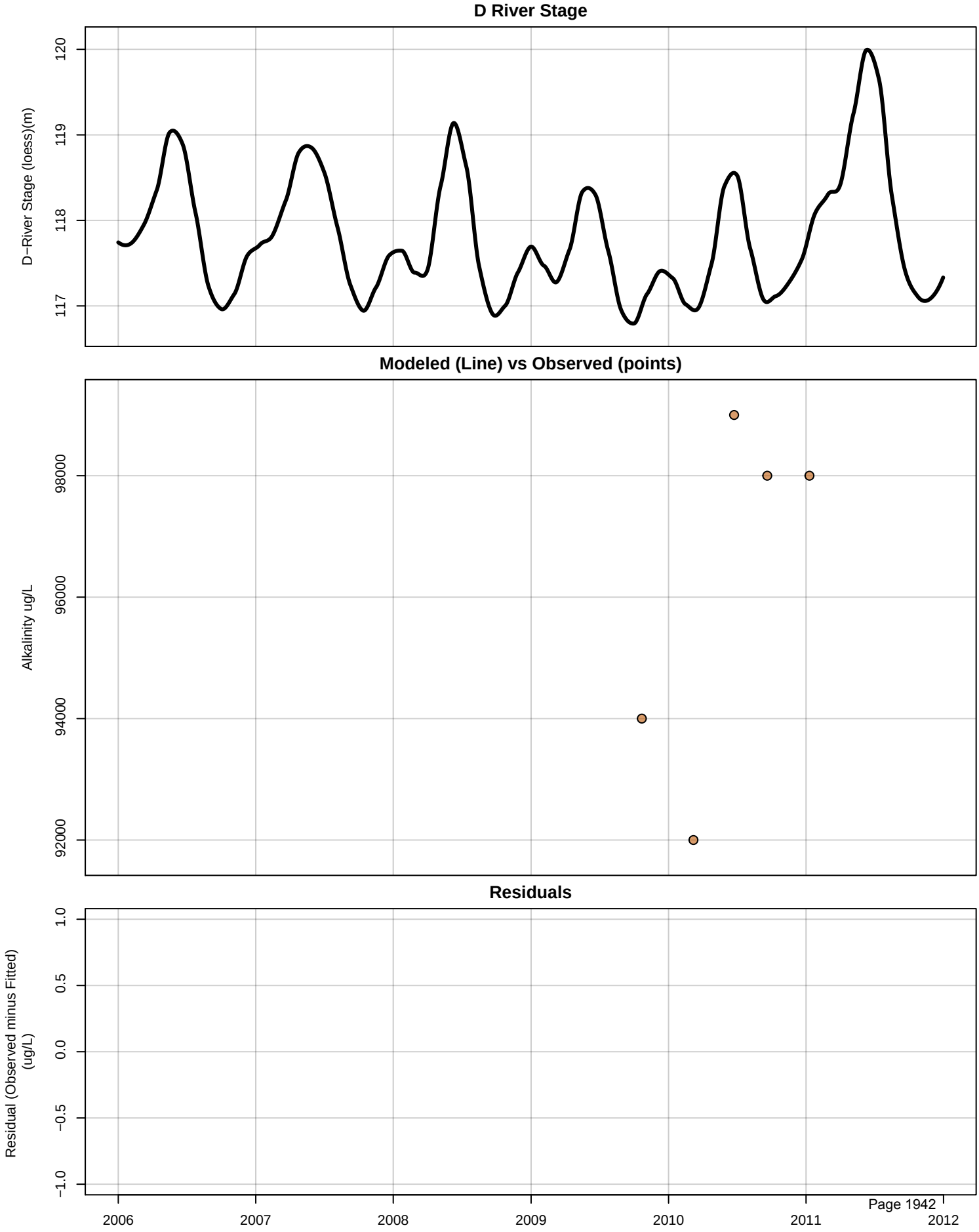


199−K−150* (88m) Lag (Indeterminate)

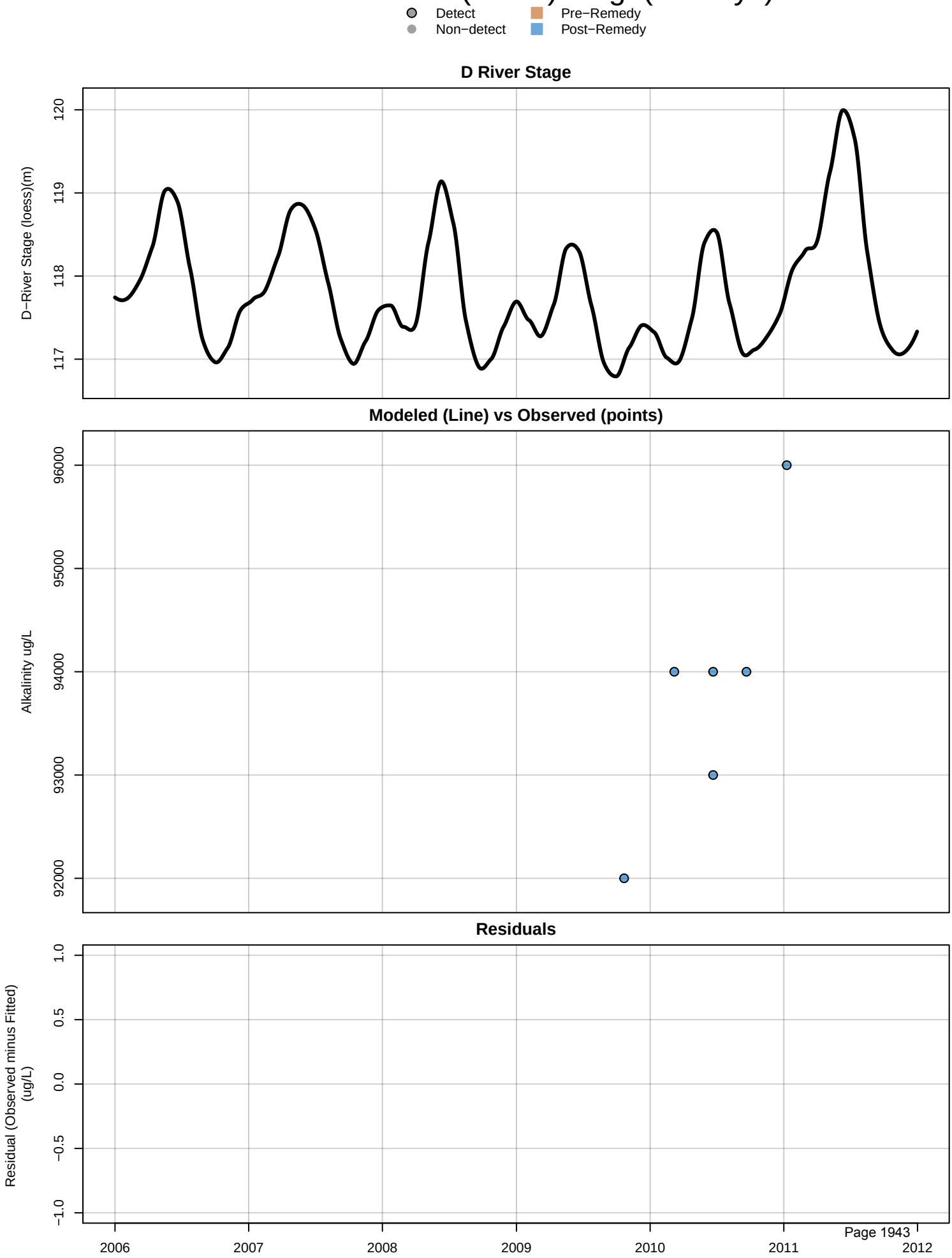


199−K−151 (461m) Lag (40 Days)

Detect
Non−detect
Pre−Remedy
Post−Remedy

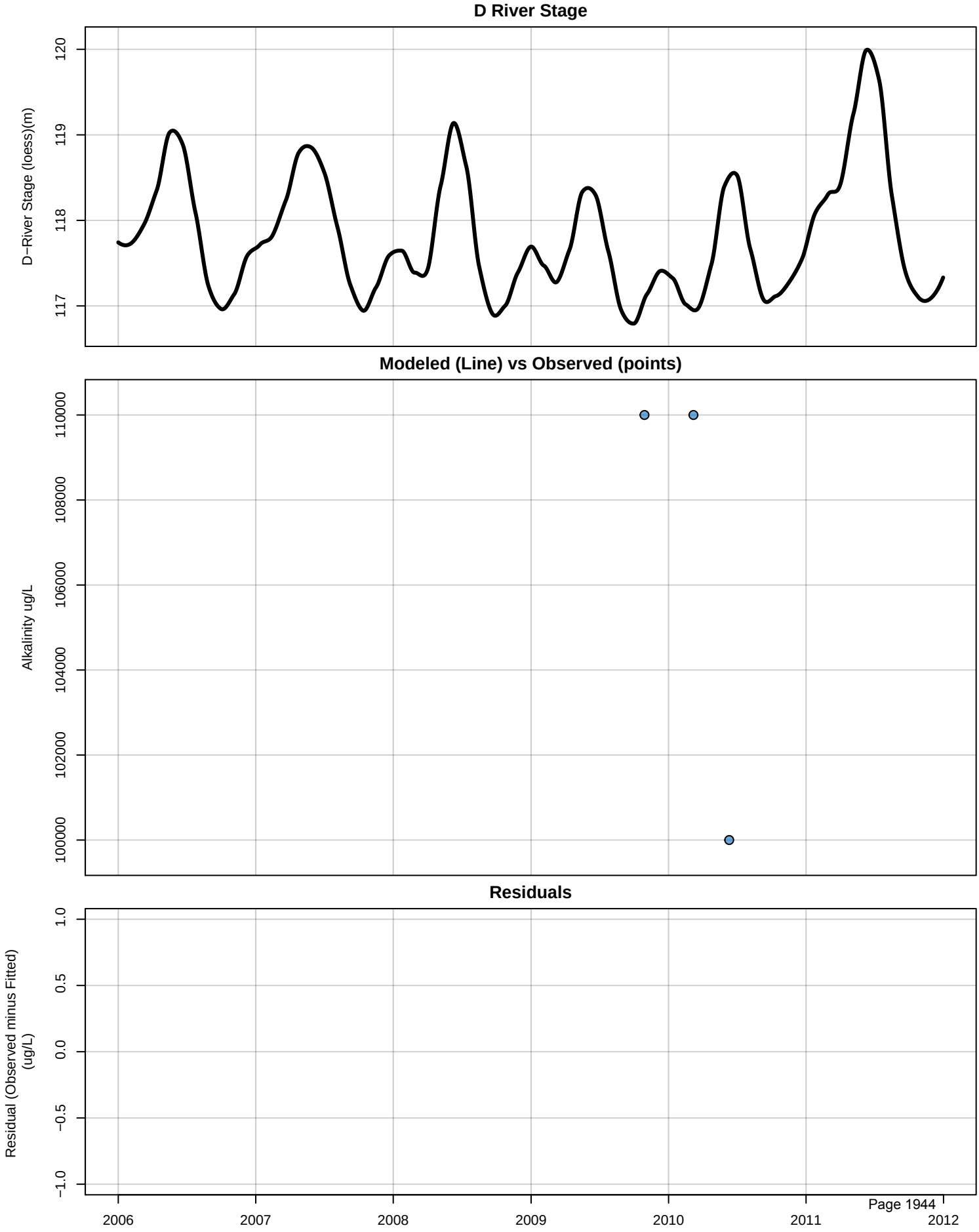


199−K−152* (373m) Lag (54 Days)

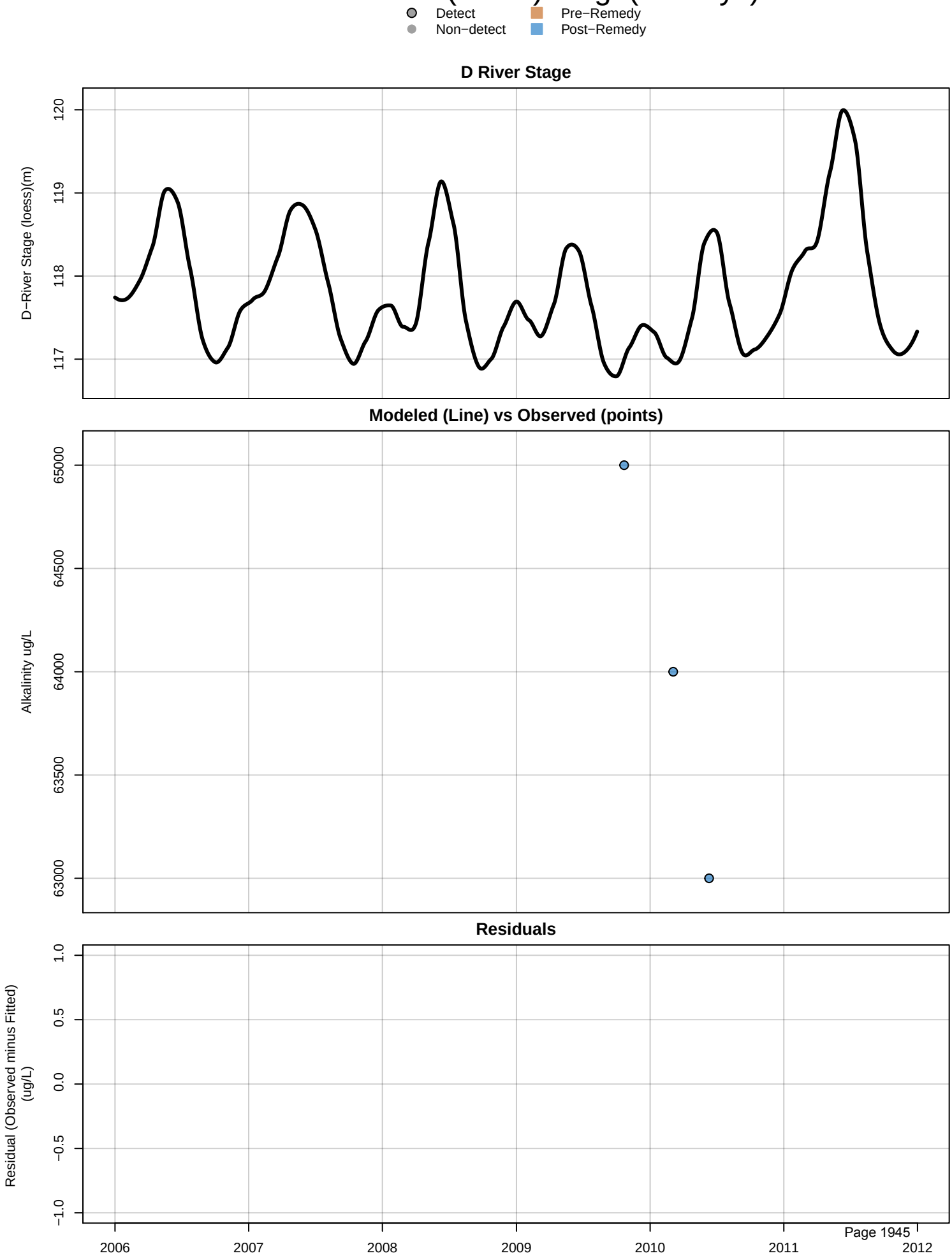


199−K−157 (445m) Lag (37 Days)

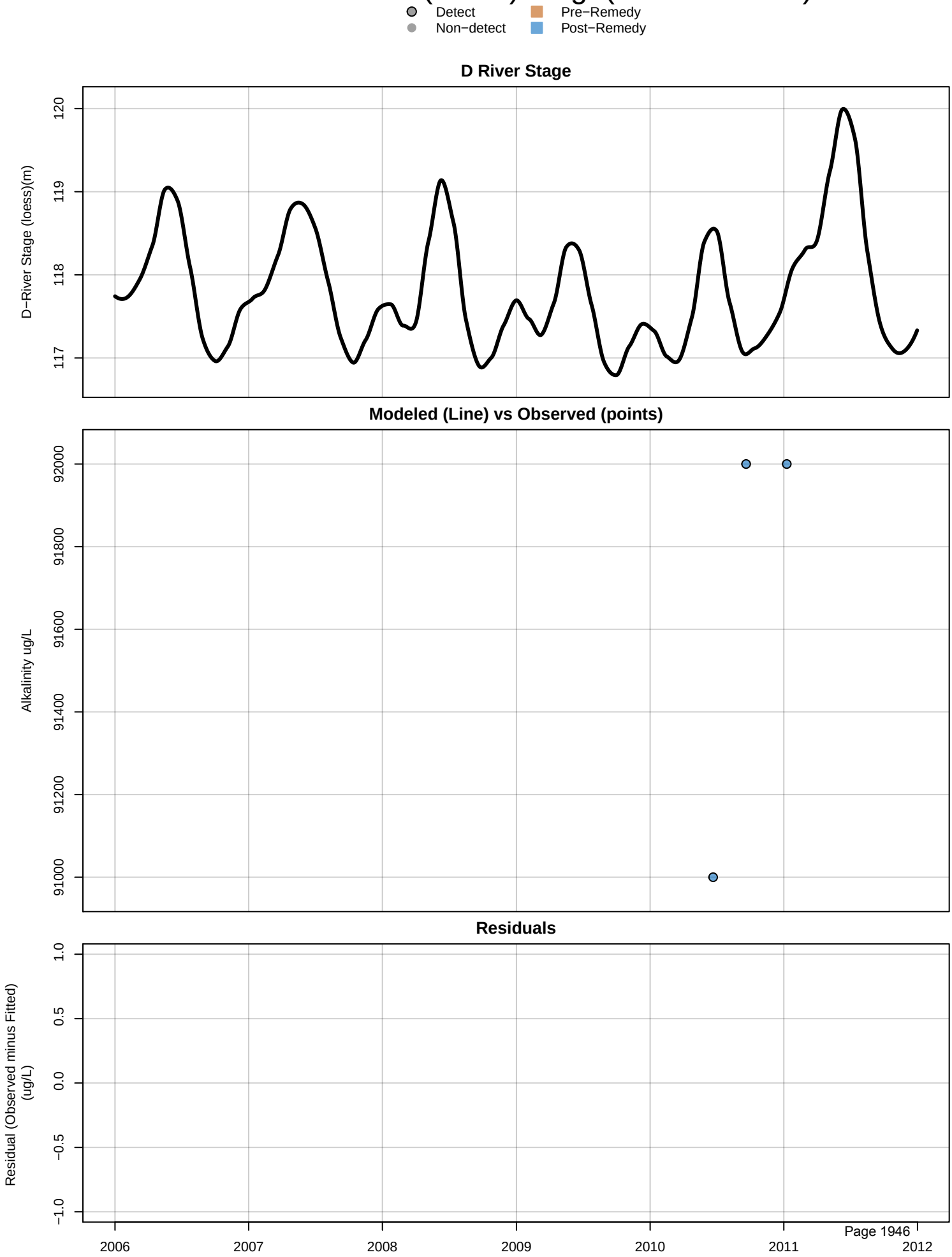
Detect
Non−detect
Pre−Remedy
Post−Remedy



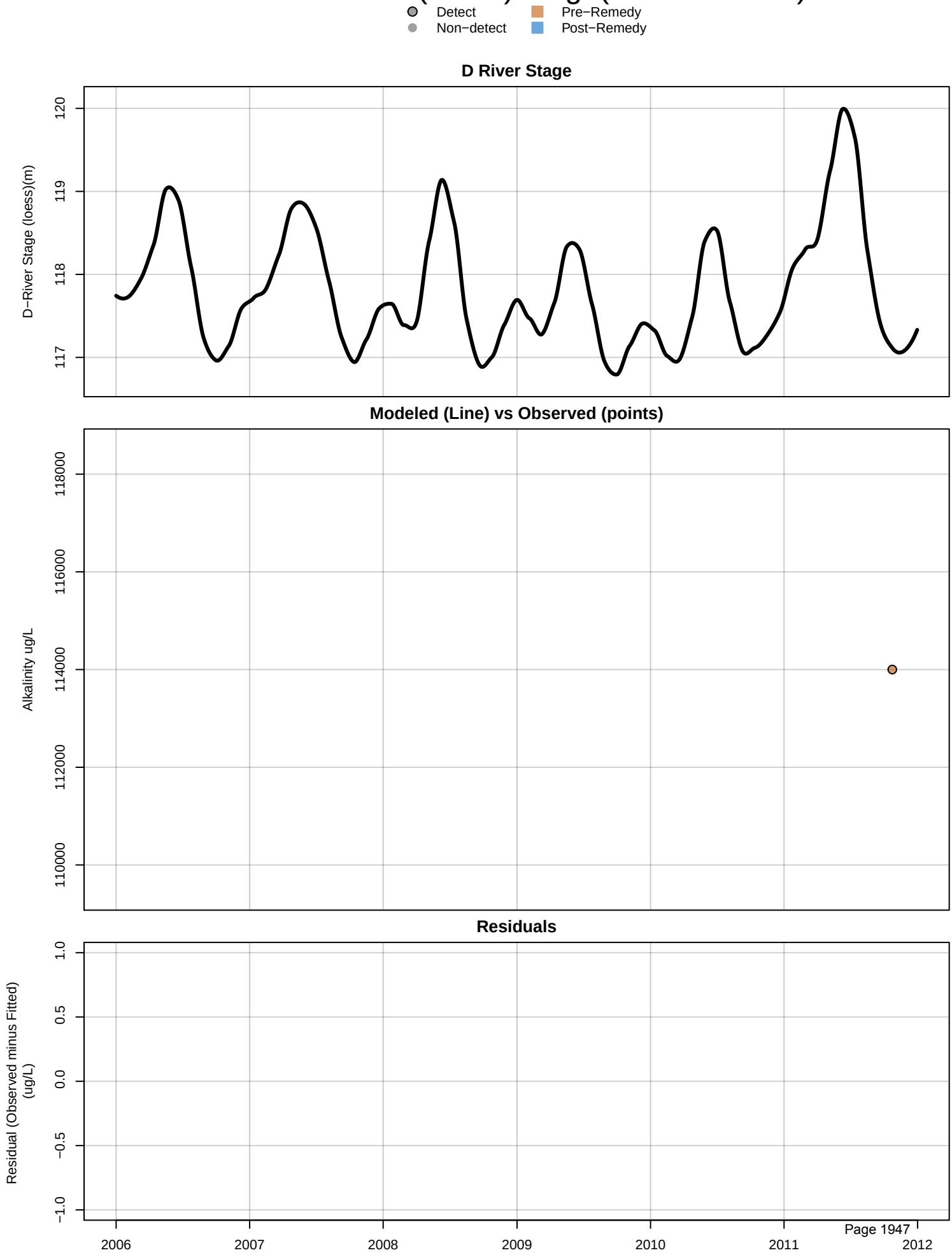
199−K−18 (235m) Lag (26 Days)



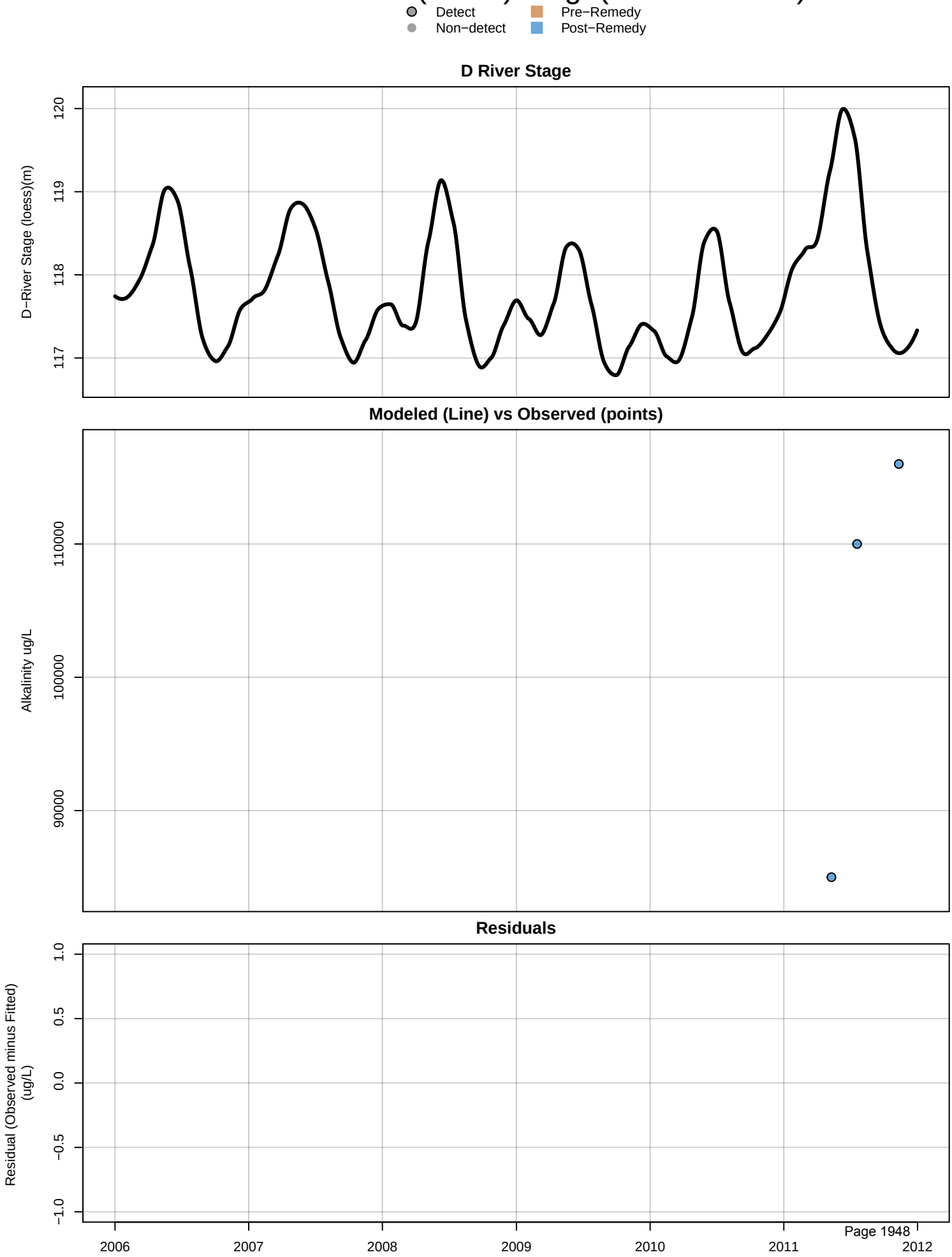
199−K−182* (866m) Lag (Indeterminate)



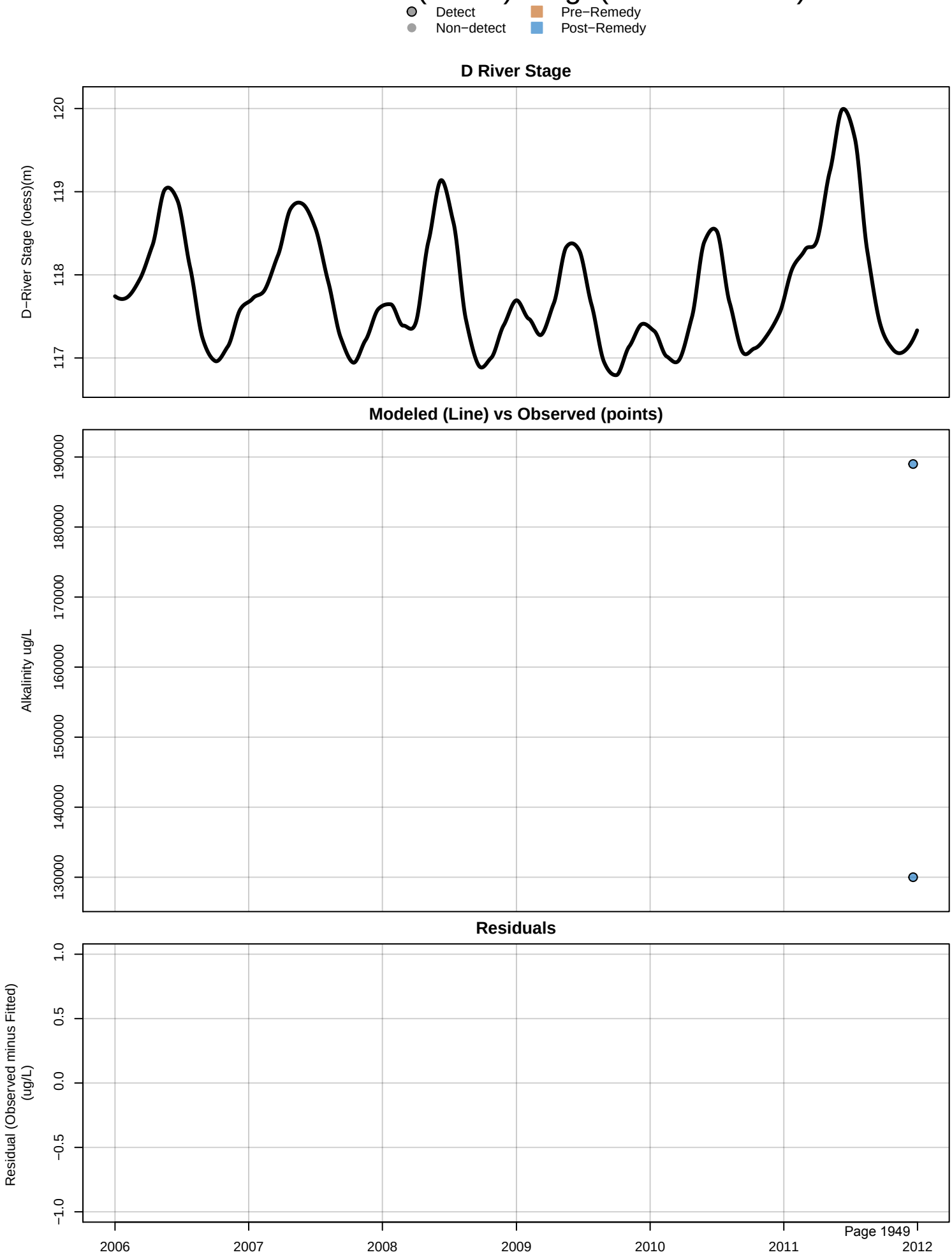
199−K−183 (244m) Lag (Indeterminate)



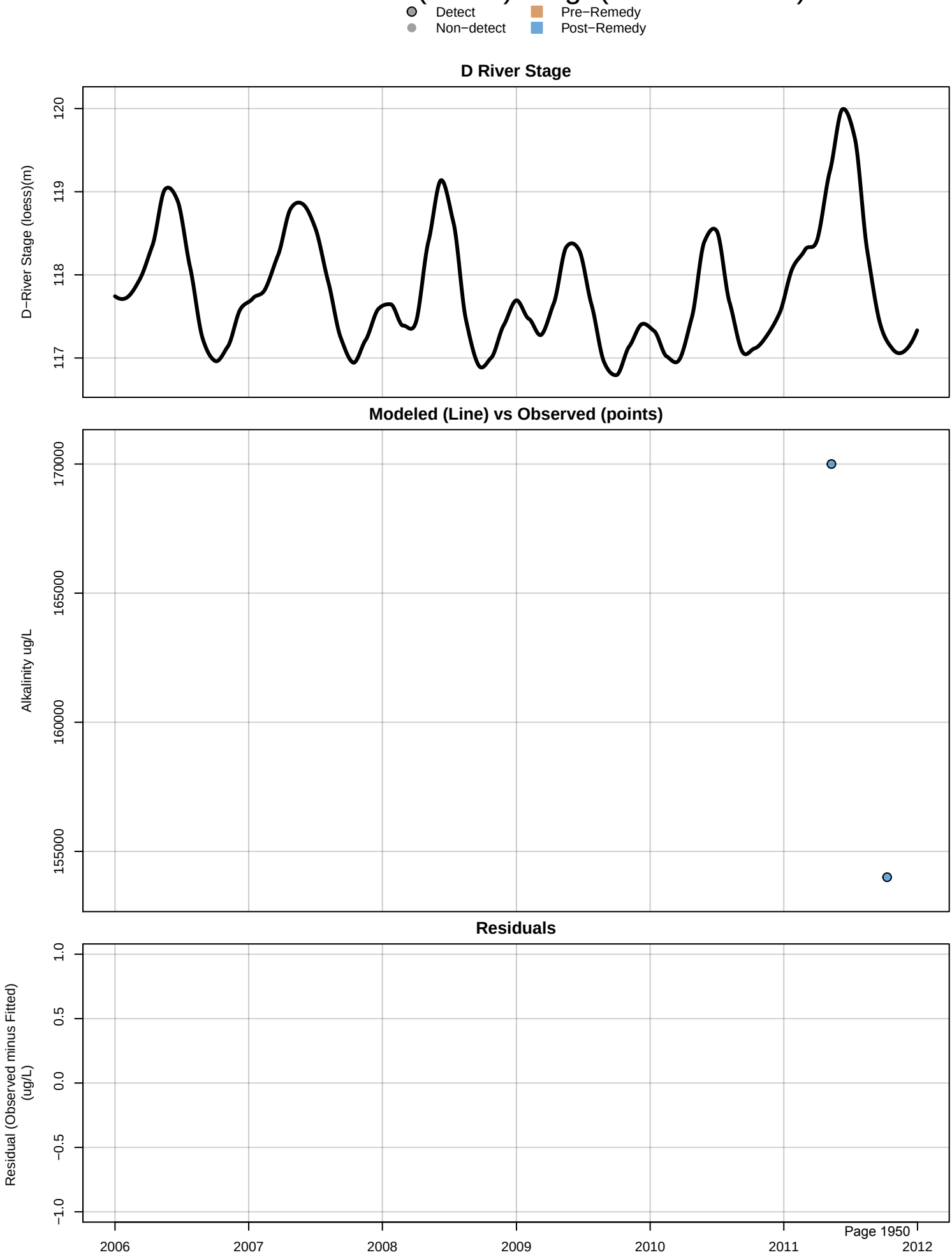
199−K−184 (487m) Lag (Indeterminate)



199−K−185 (182m) Lag (Indeterminate)

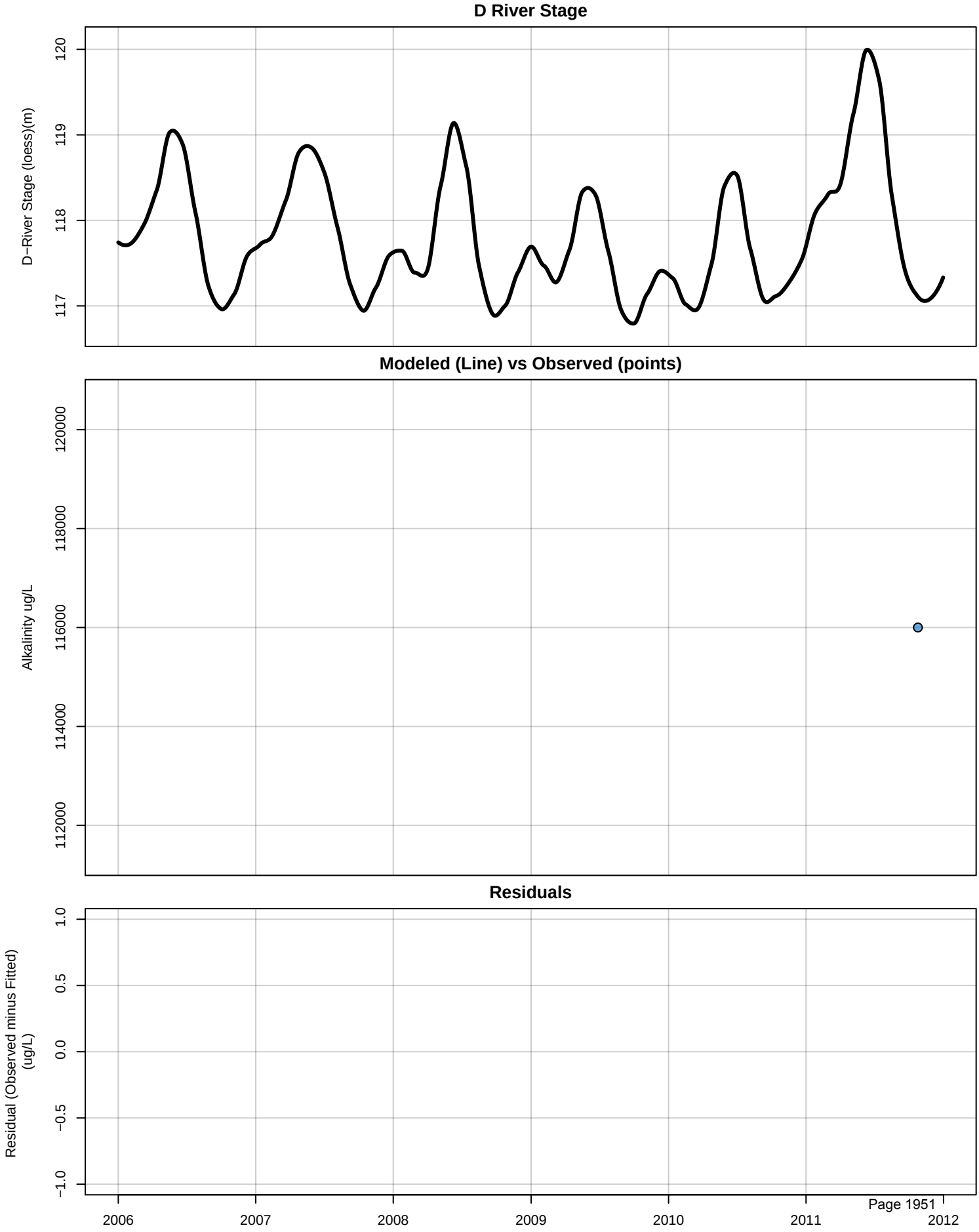


199−K−186 (634m) Lag (Indeterminate)

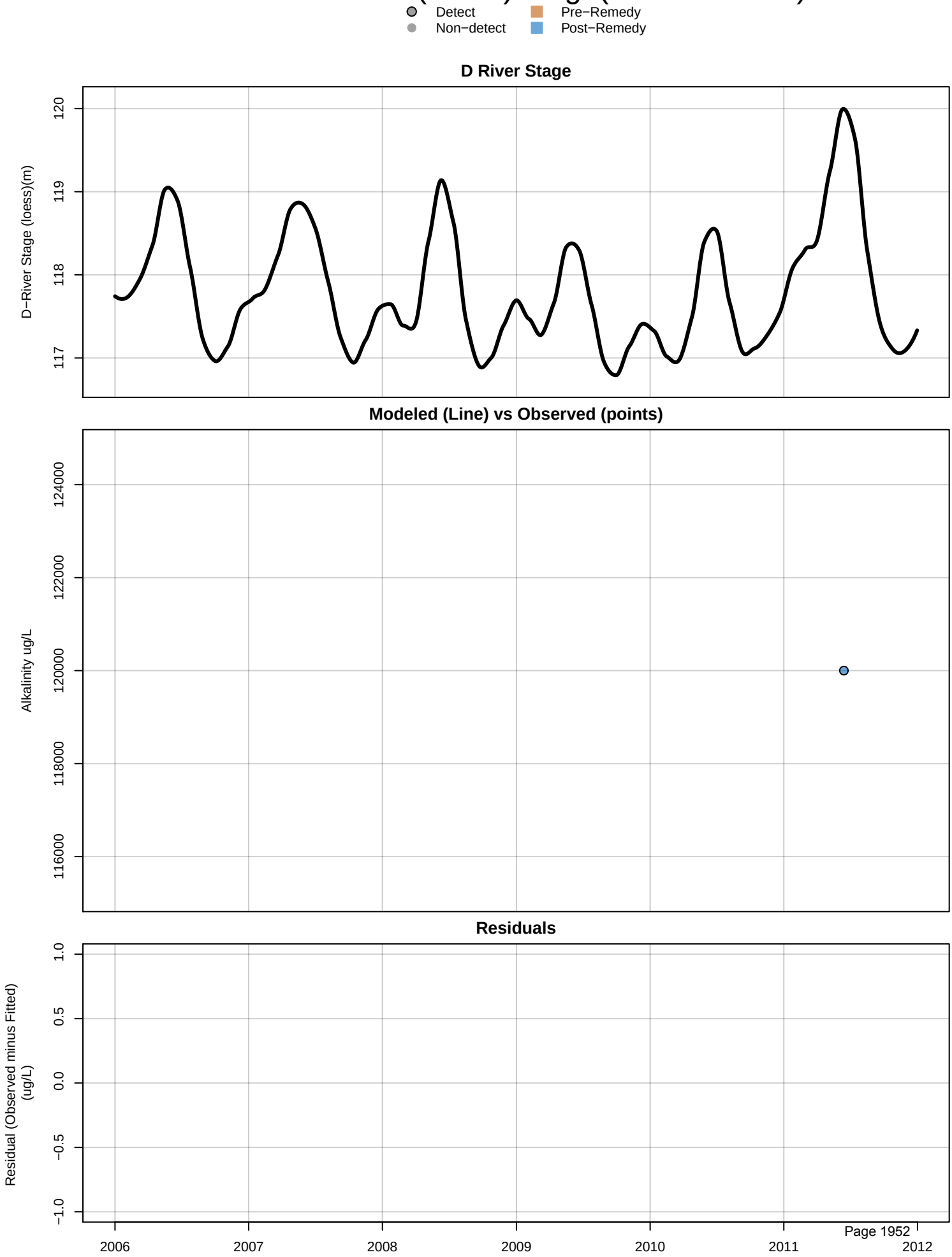


199−K−187 (1257m) Lag (Indeterminate)

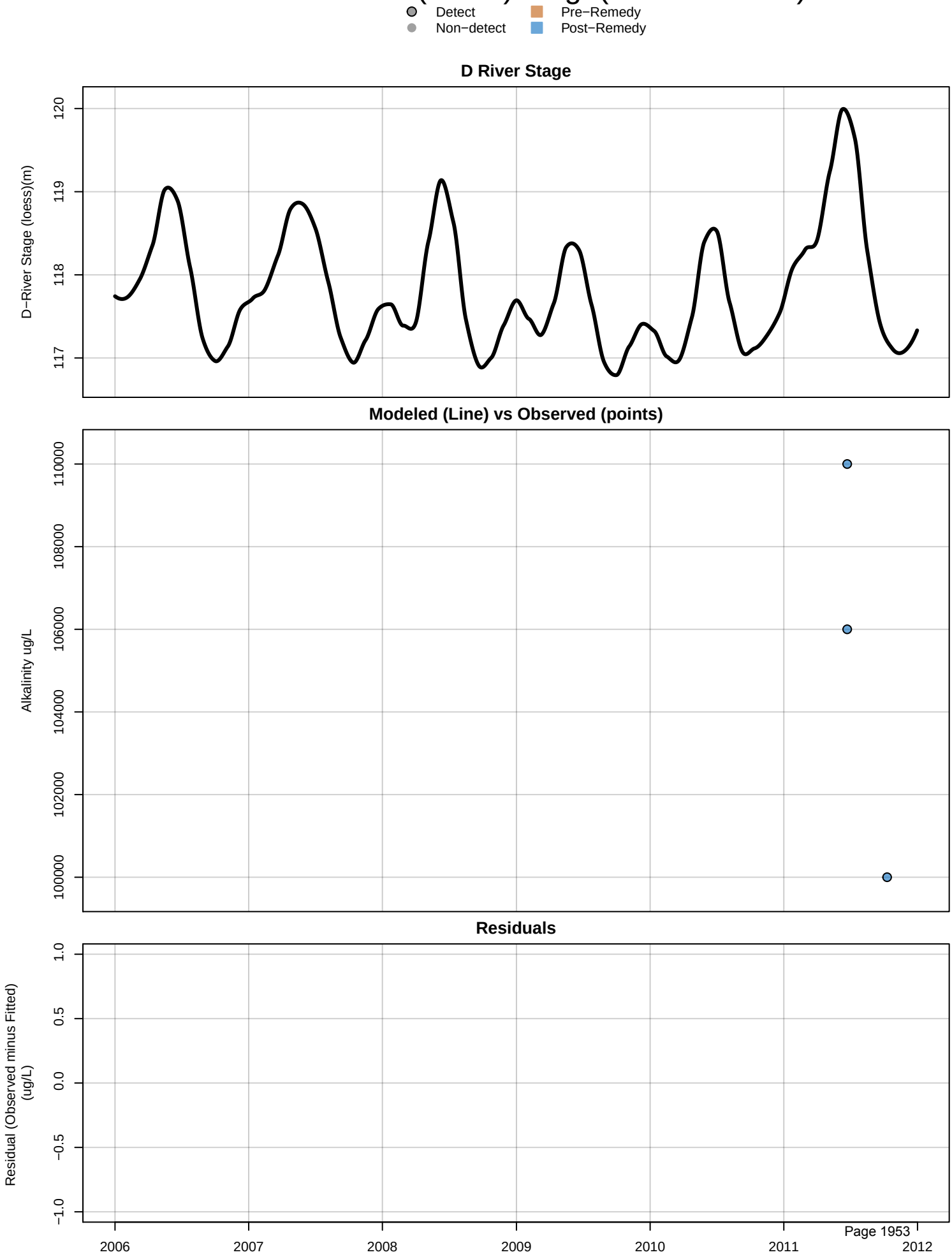
Detect
Non−detect
Pre−Remedy
Post−Remedy



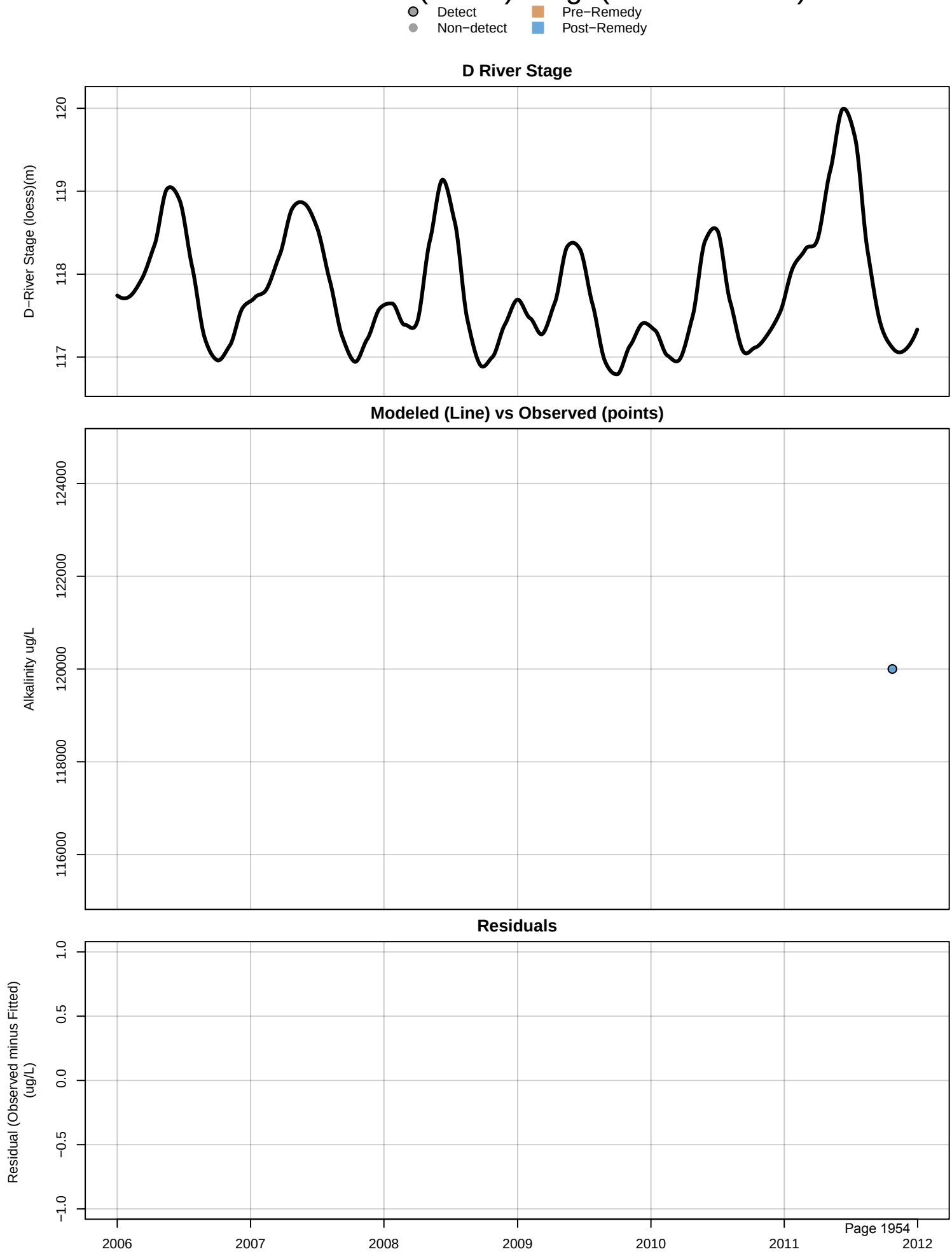
199−K−188 (942m) Lag (Indeterminate)



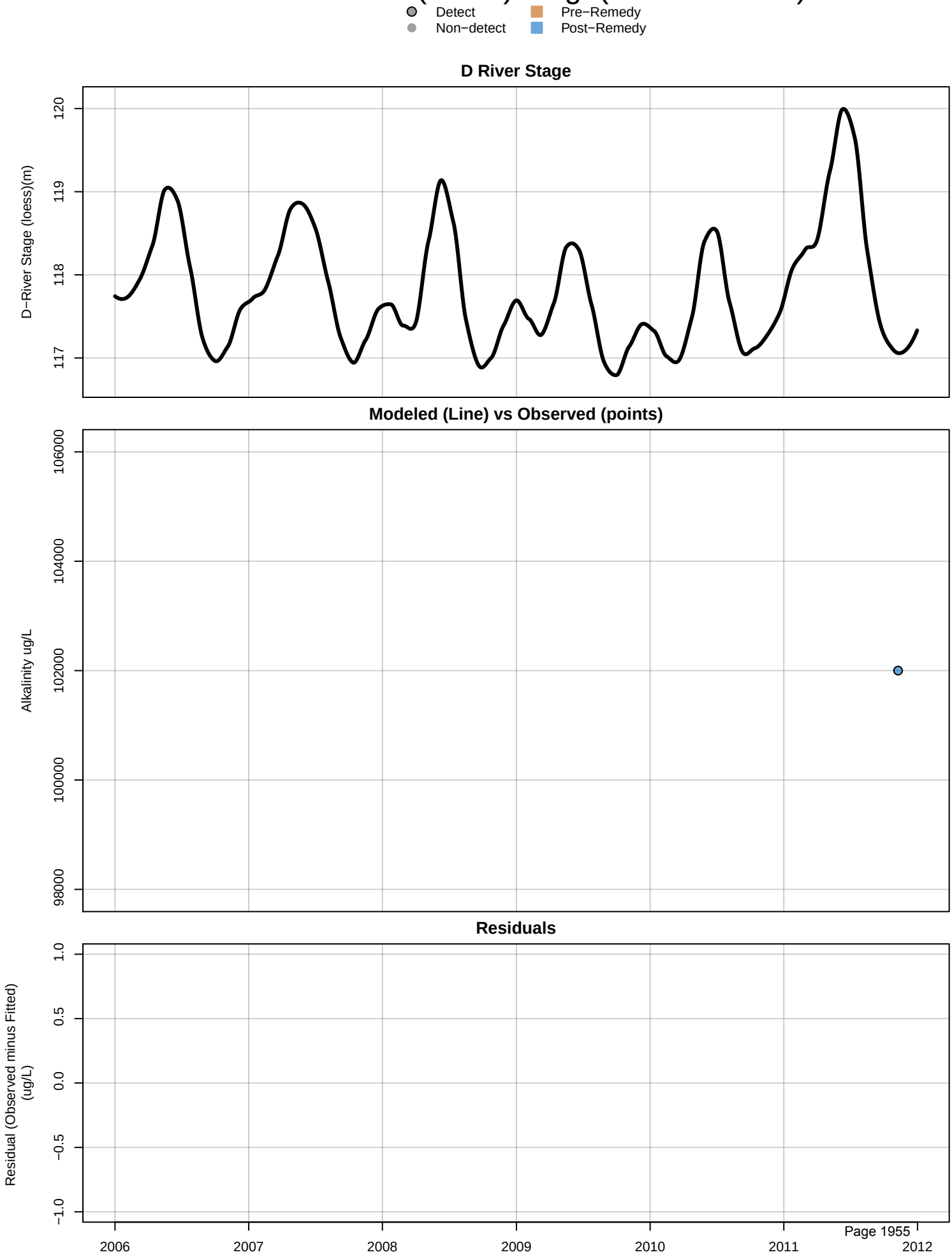
199−K−189 (467m) Lag (Indeterminate)



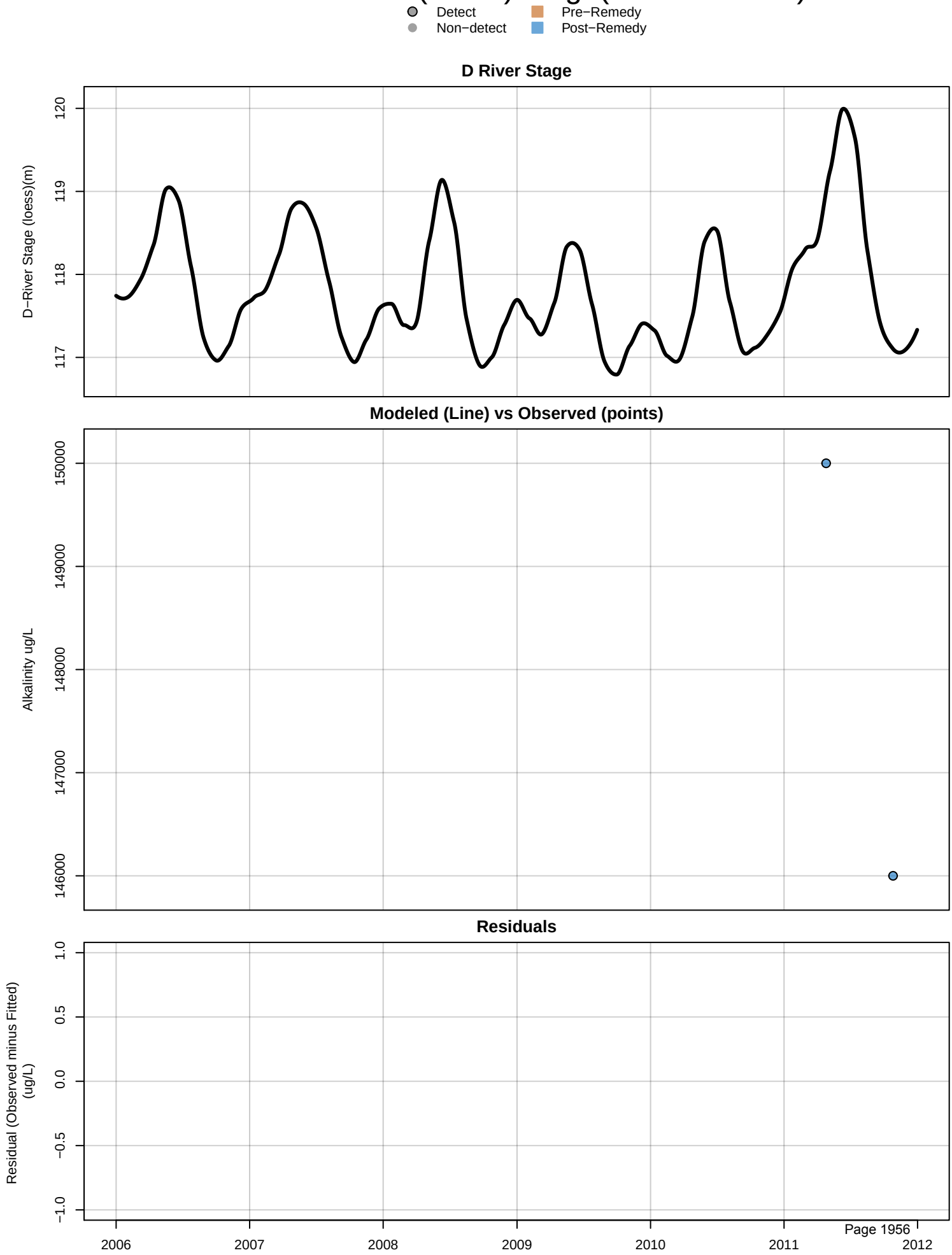
199−K−190 (211m) Lag (Indeterminate)



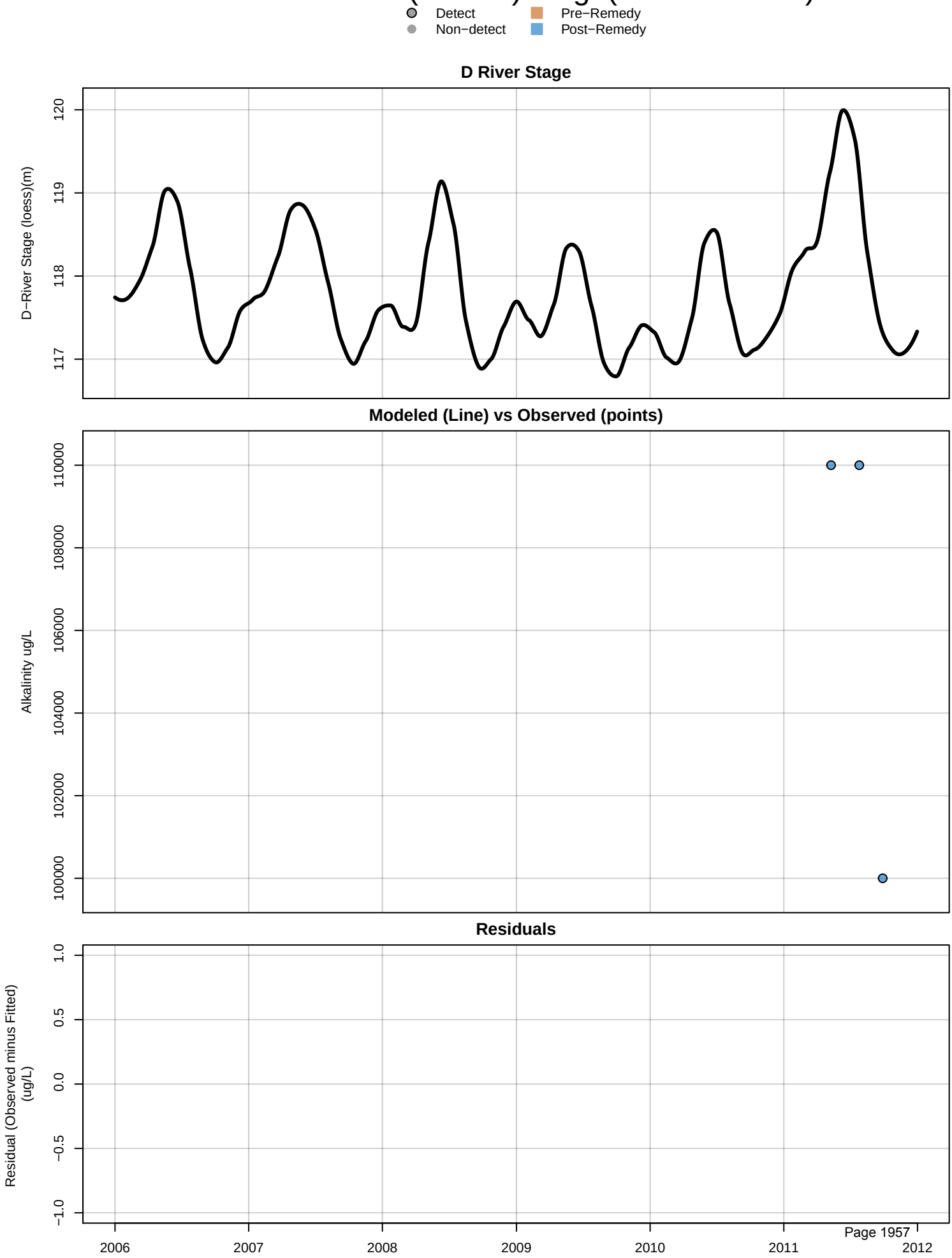
199−K−191 (834m) Lag (Indeterminate)



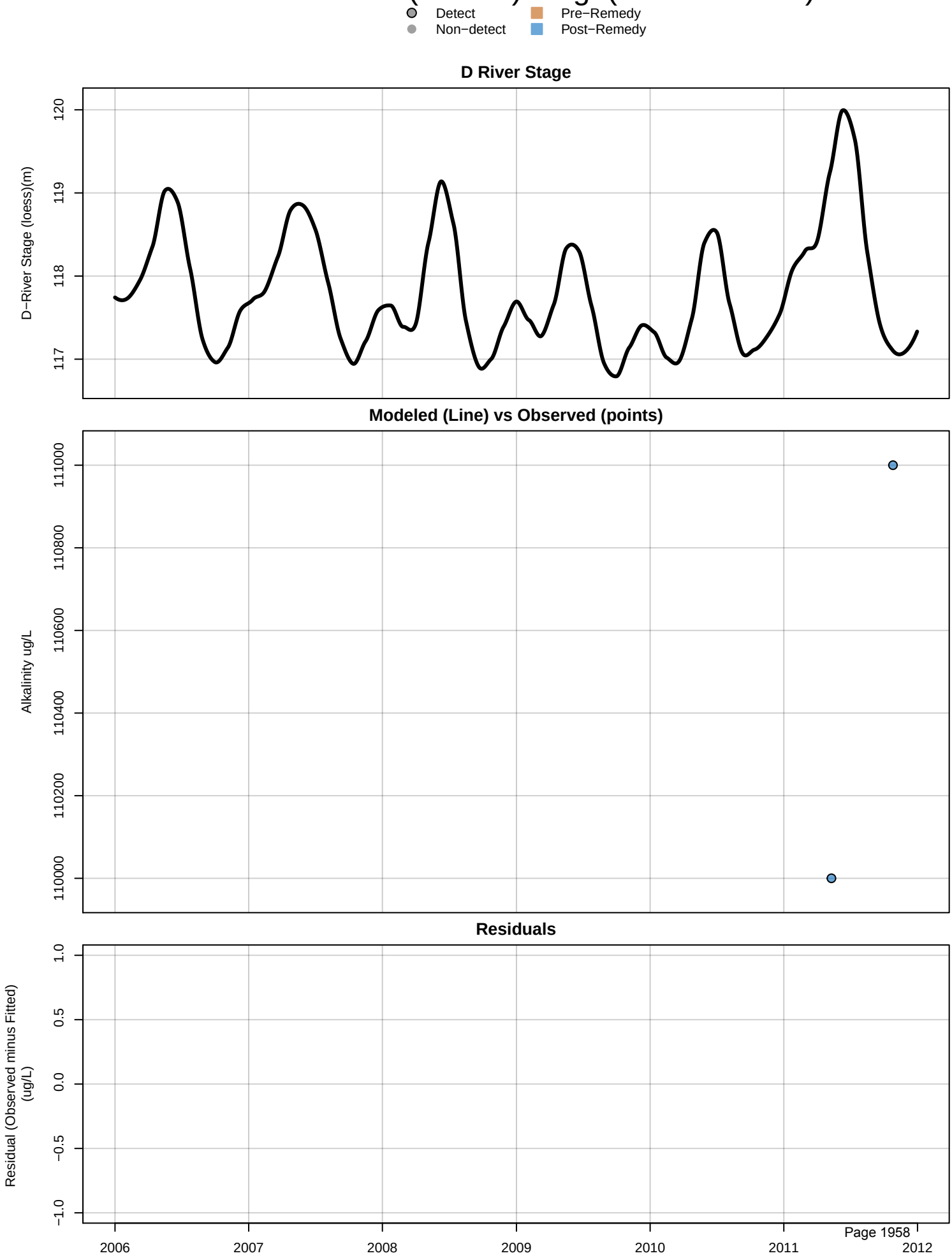
199−K−192 (334m) Lag (Indeterminate)



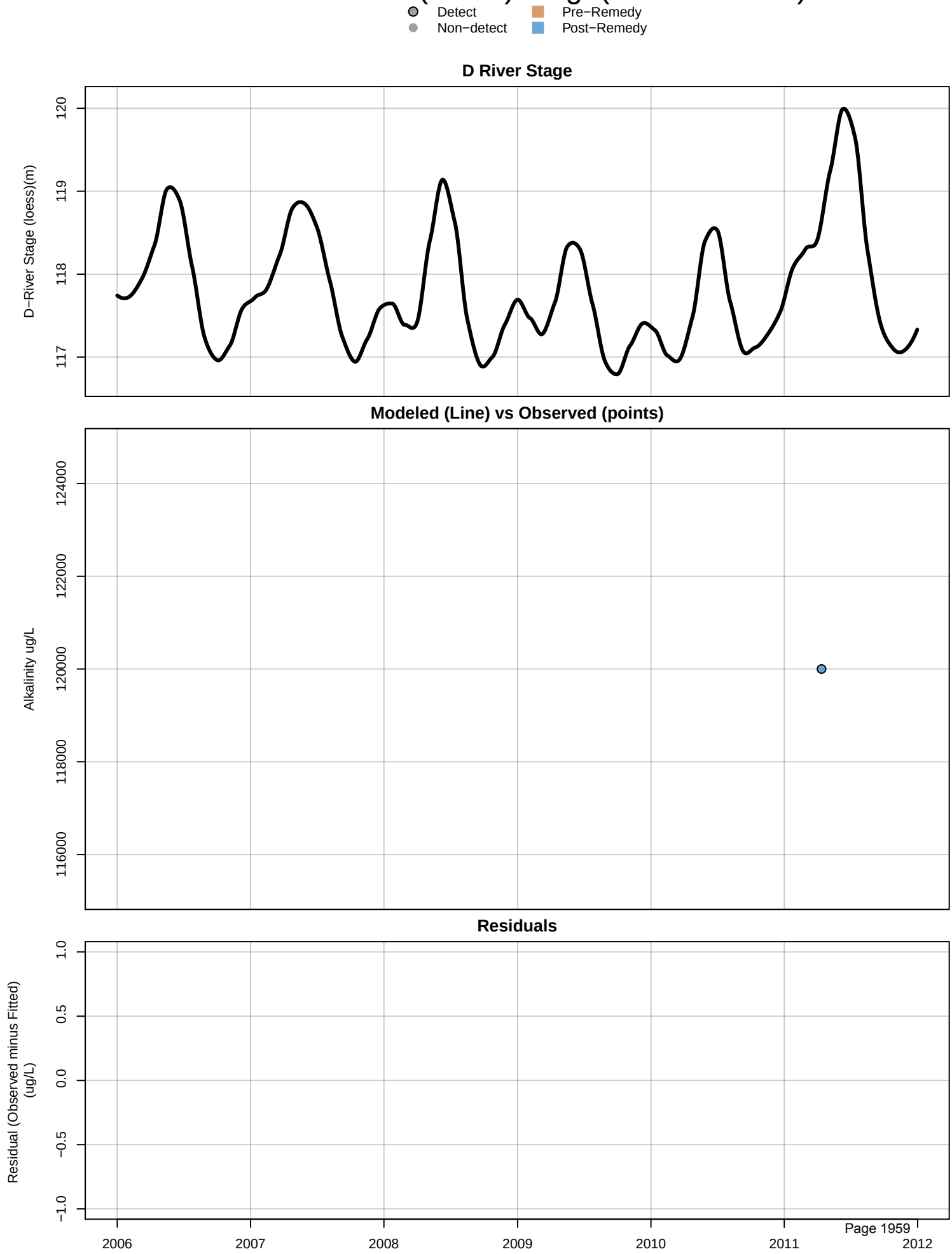
199−K−193 (1443m) Lag (Indeterminate)



199−K−194 (1666m) Lag (Indeterminate)

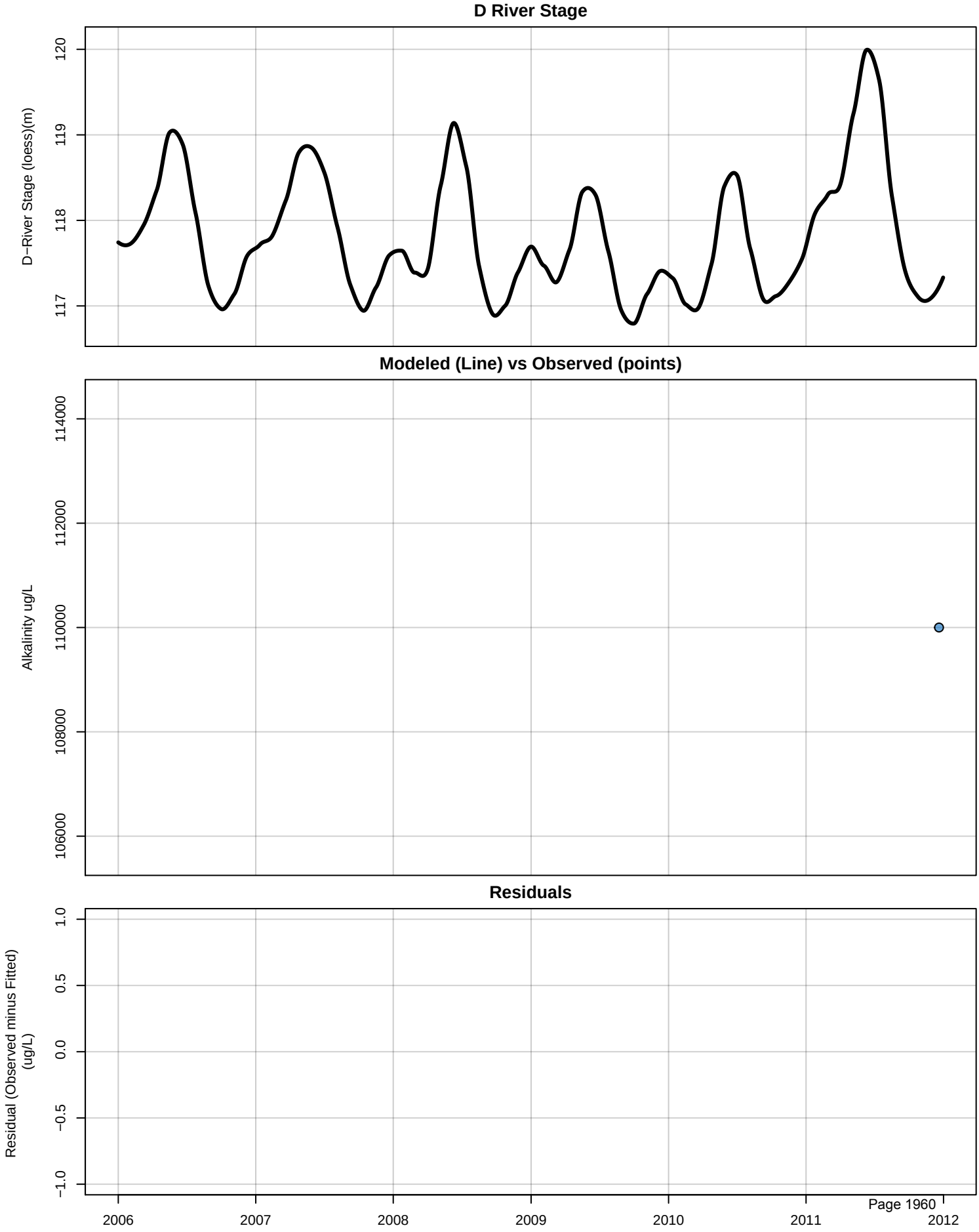


199−K−195 (850m) Lag (Indeterminate)

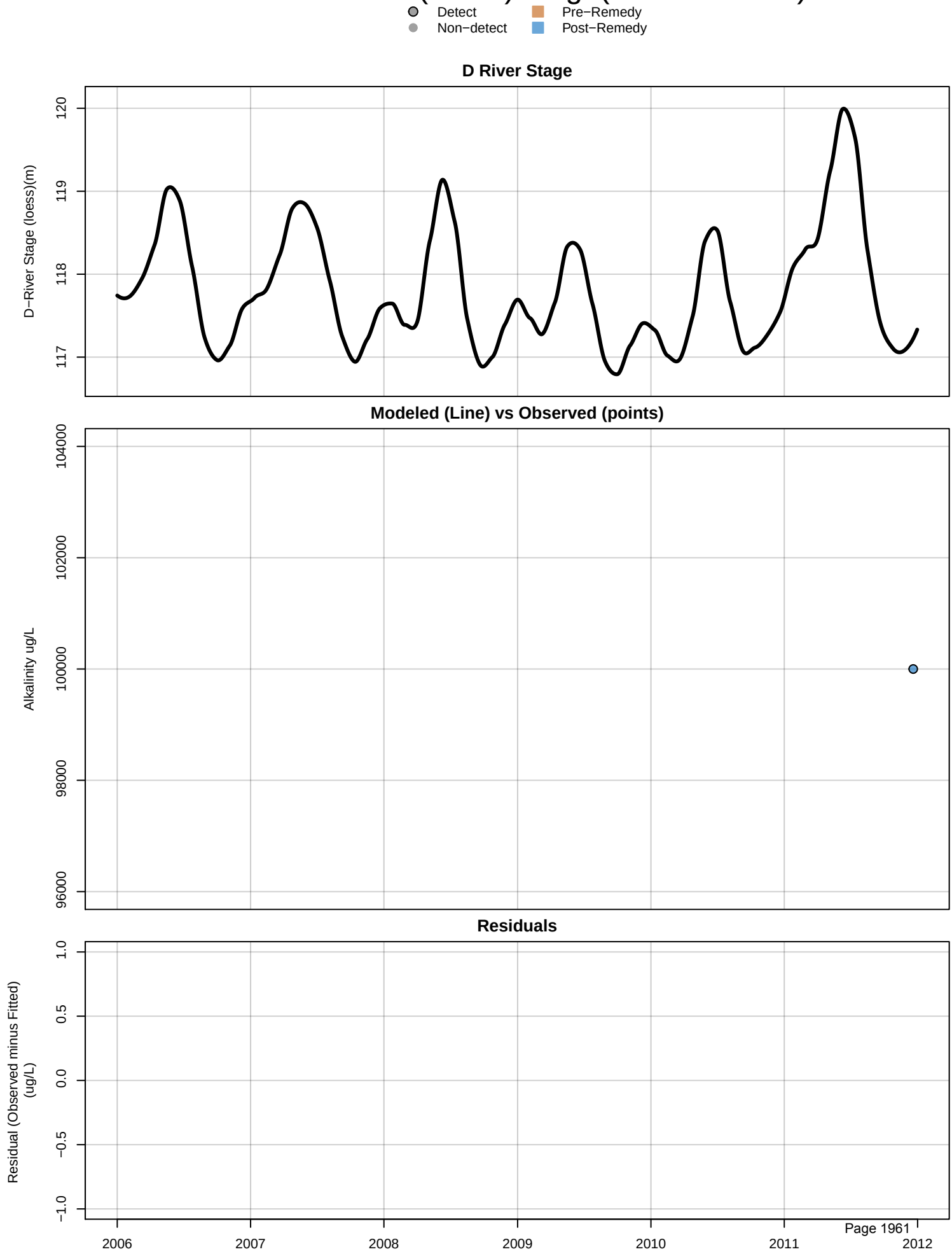


199−K−196 (168m) Lag (Indeterminate)

Detect
Non−detect
Pre−Remedy
Post−Remedy

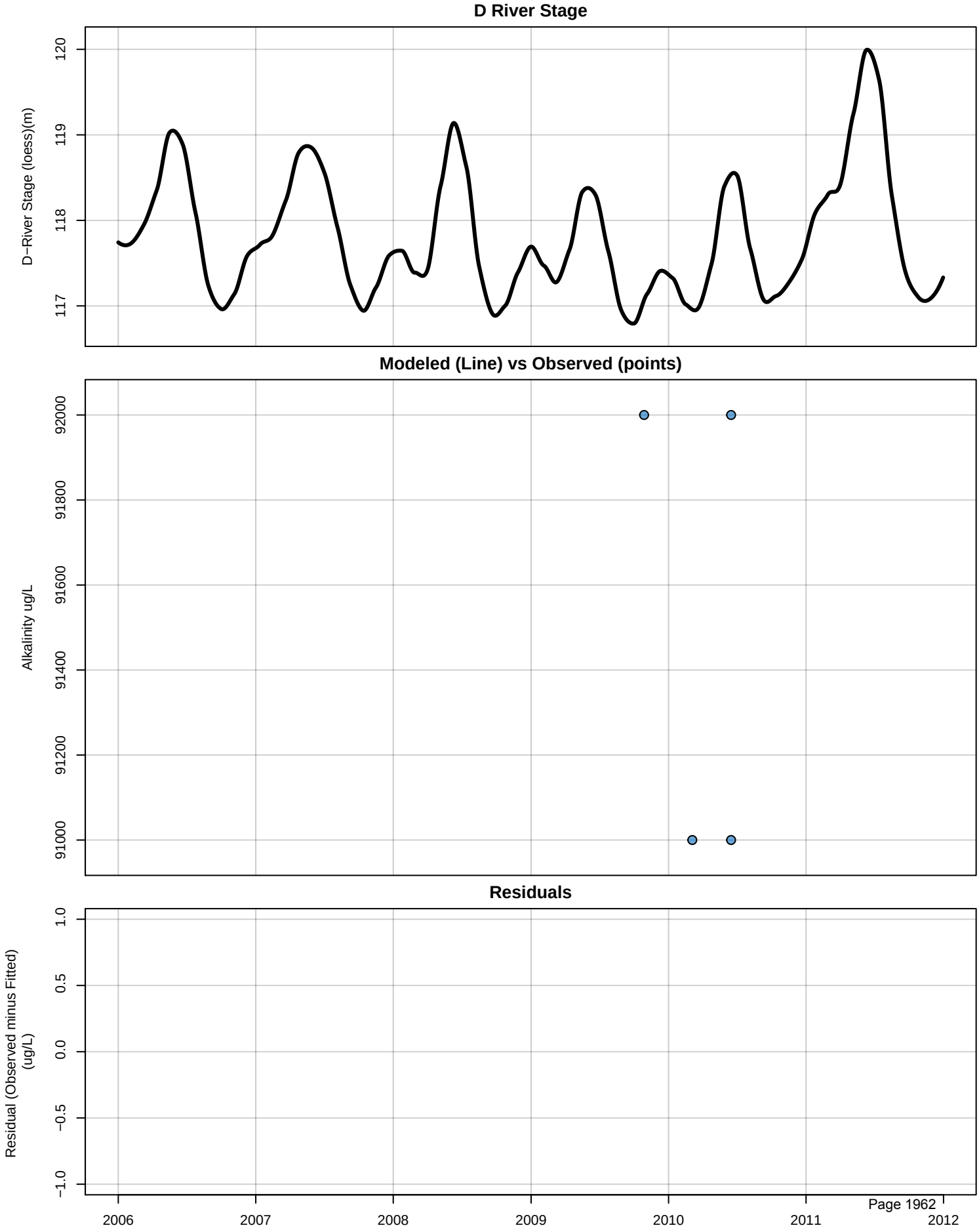


199−K−197 (139m) Lag (Indeterminate)

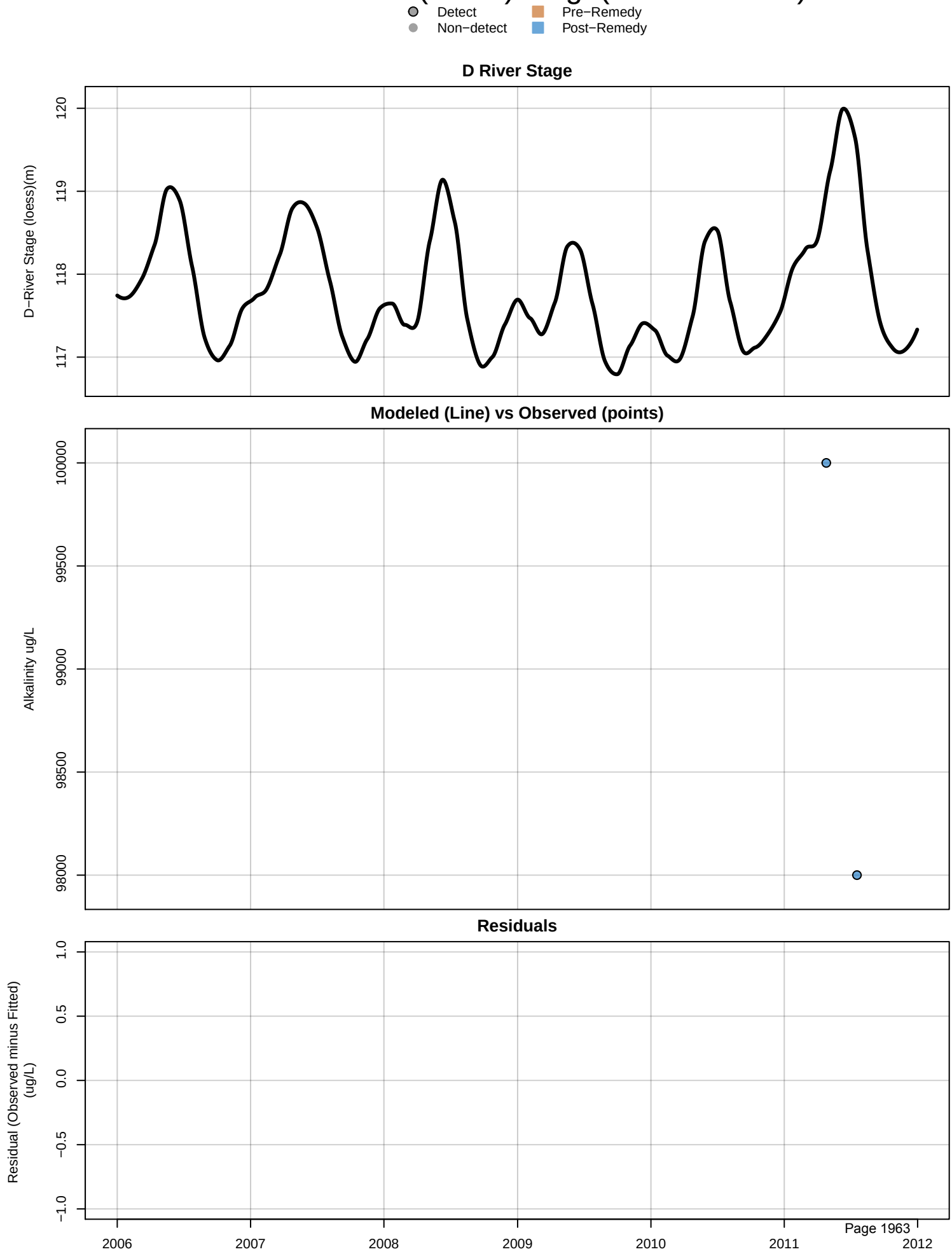


199−K−20 (134m) Lag (17 Days)

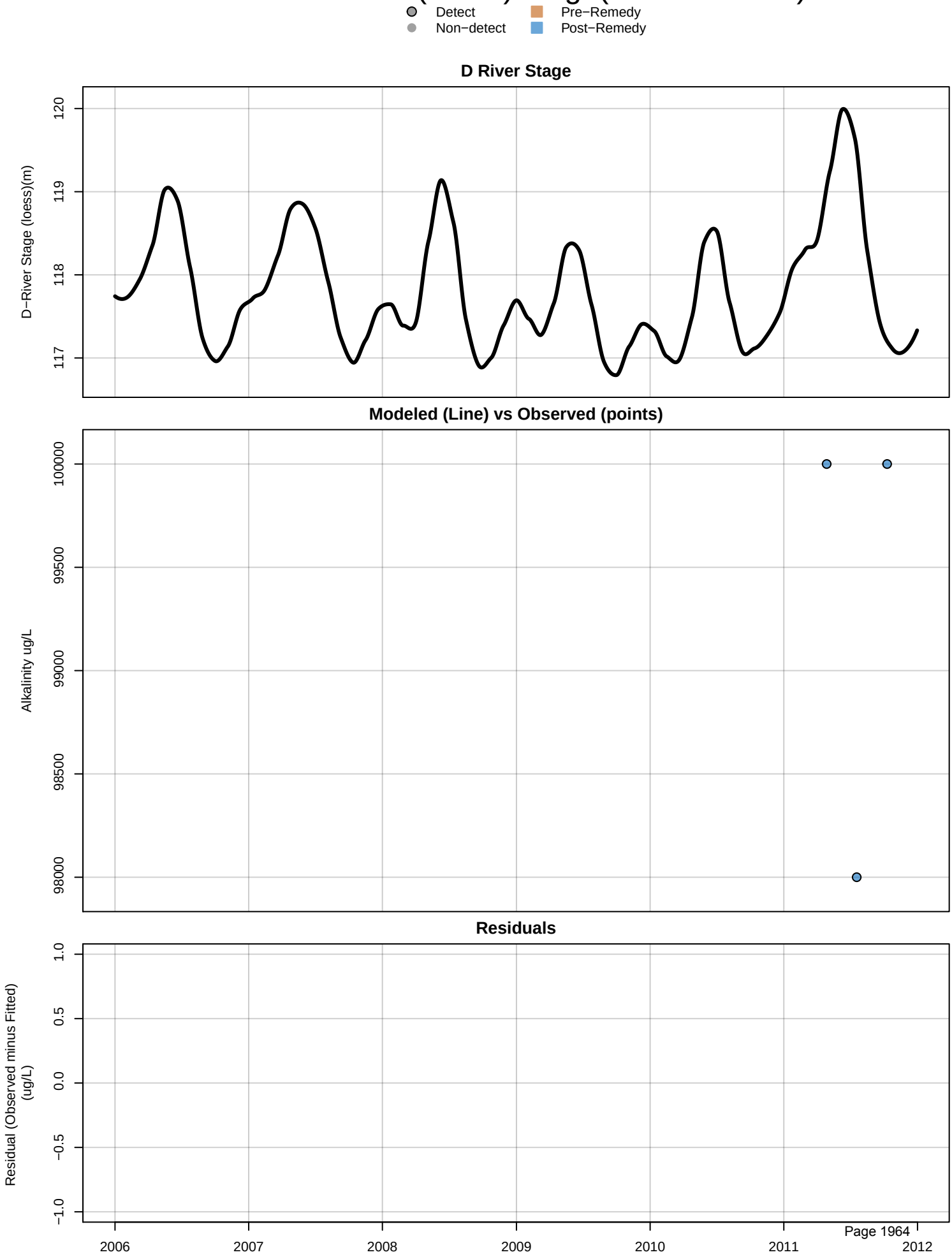
Detect
Non−detect
Pre−Remedy
Post−Remedy



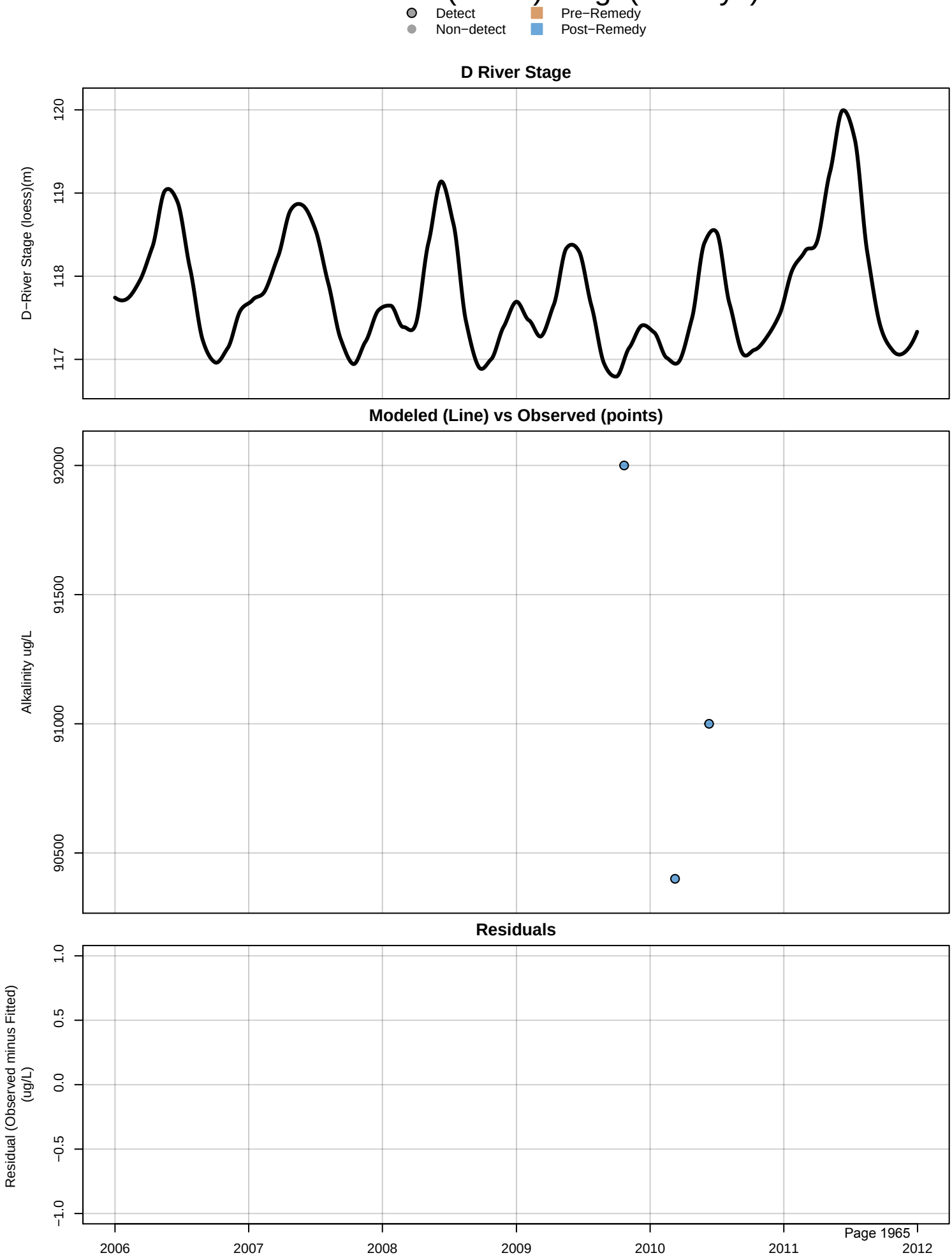
199−K−200 (386m) Lag (Indeterminate)



199−K−201 (279m) Lag (Indeterminate)

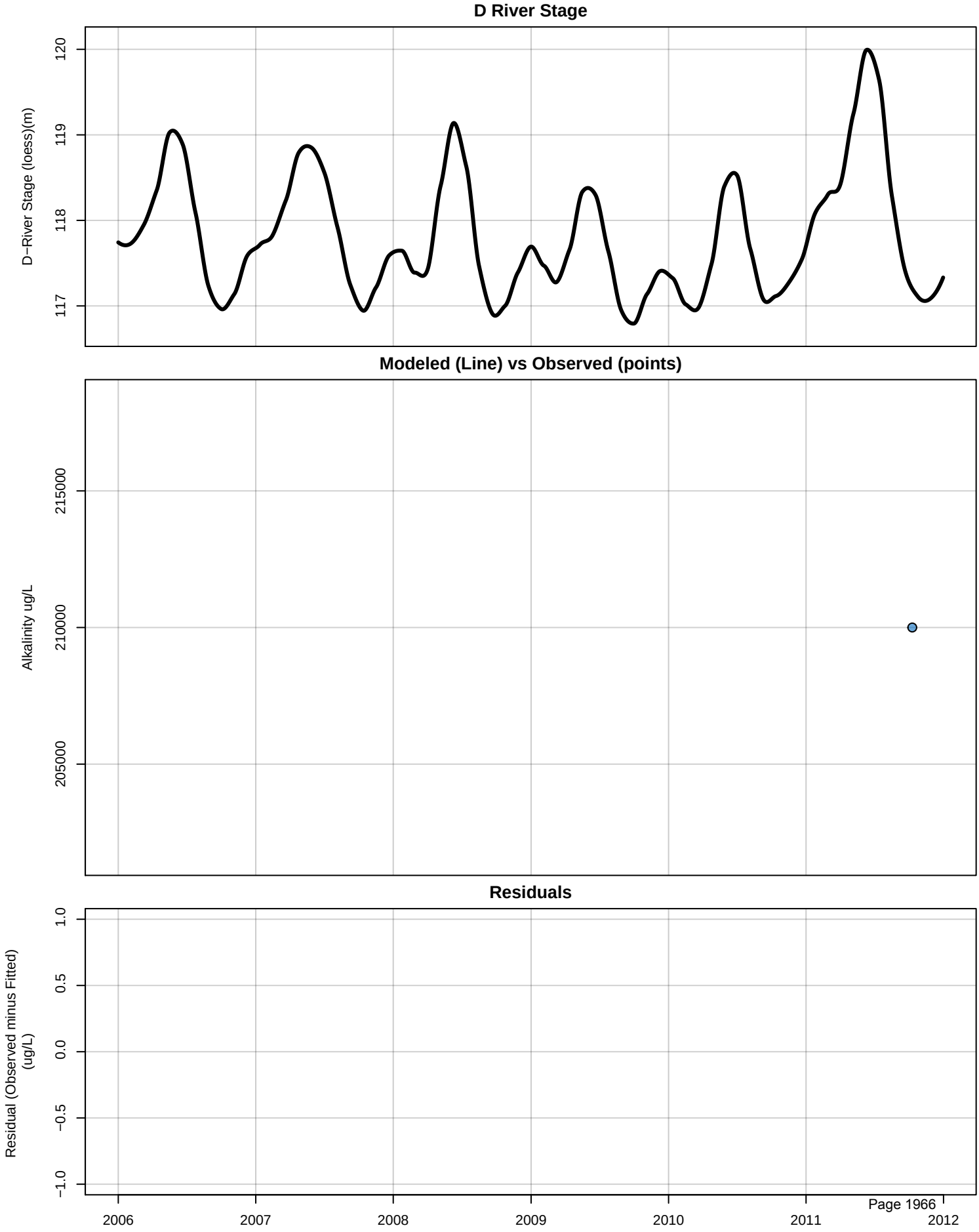


199−K−22 (218m) Lag (18 Days)

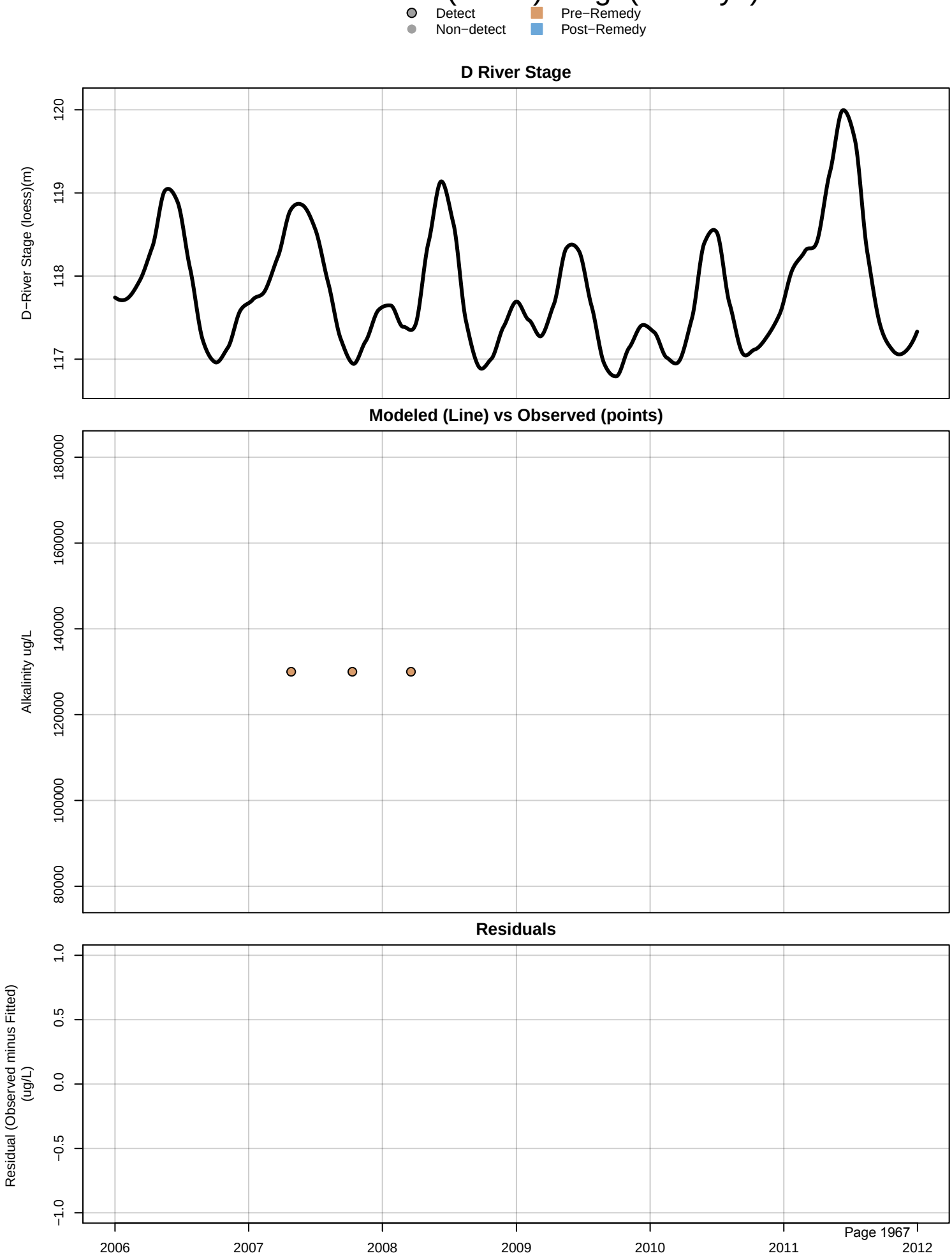


199−K−23 (542m) Lag (55 Days)

Detect
Non−detect
Pre−Remedy
Post−Remedy

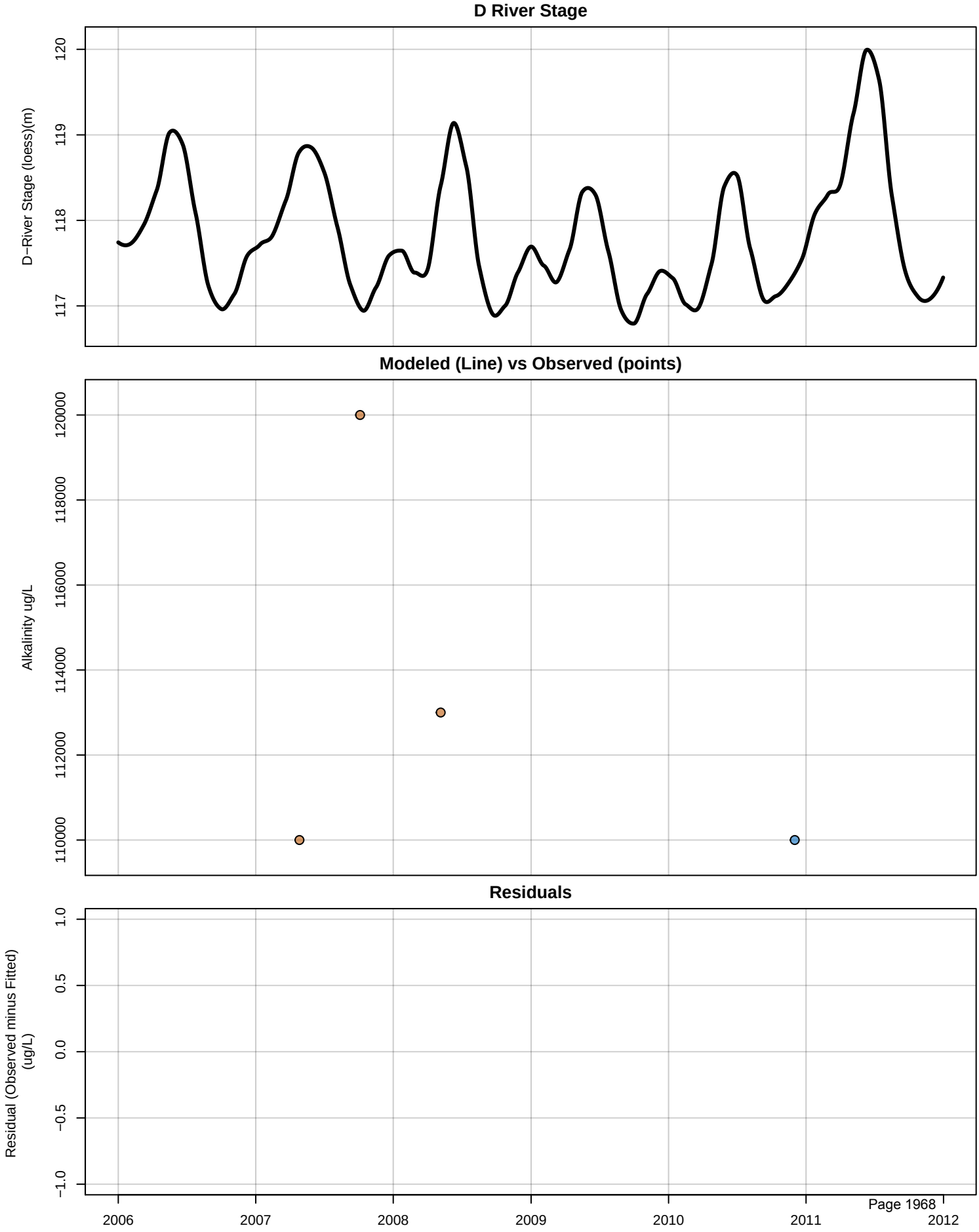


199−K−27 (501m) Lag (50 Days)

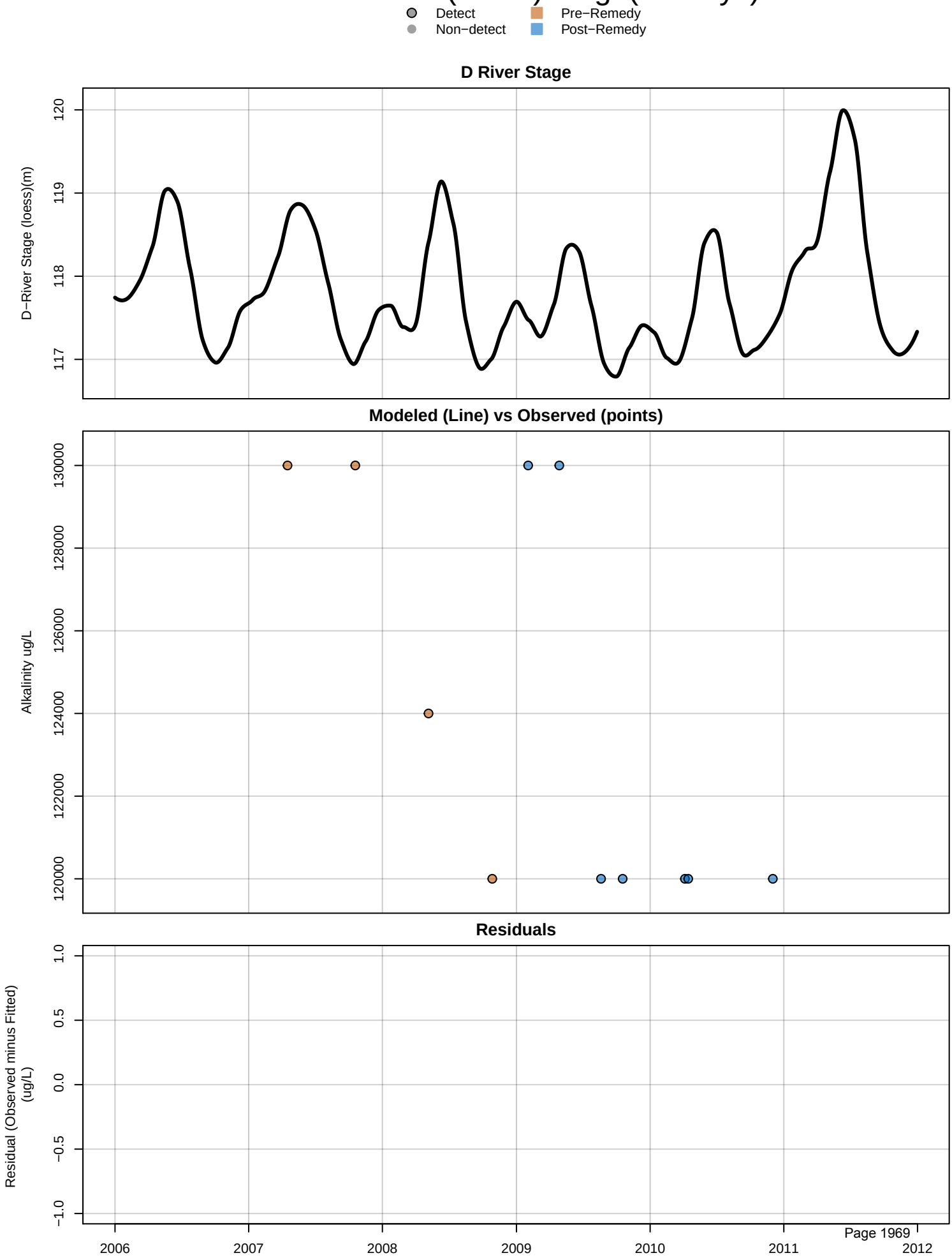


199−K−29 (519m) Lag (56 Days)

Detect
Non−detect
Pre−Remedy
Post−Remedy

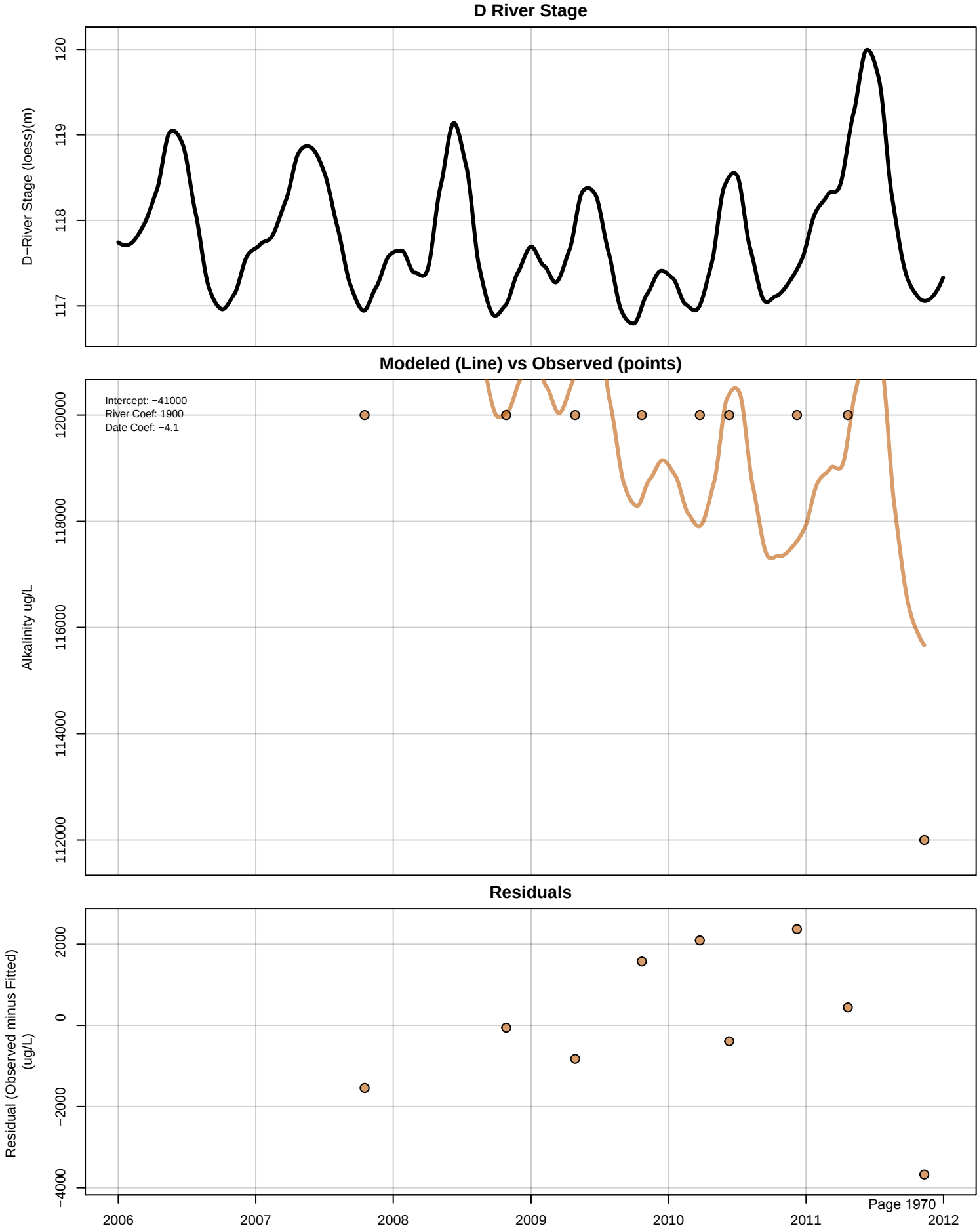


199−K−30 (548m) Lag (52 Days)



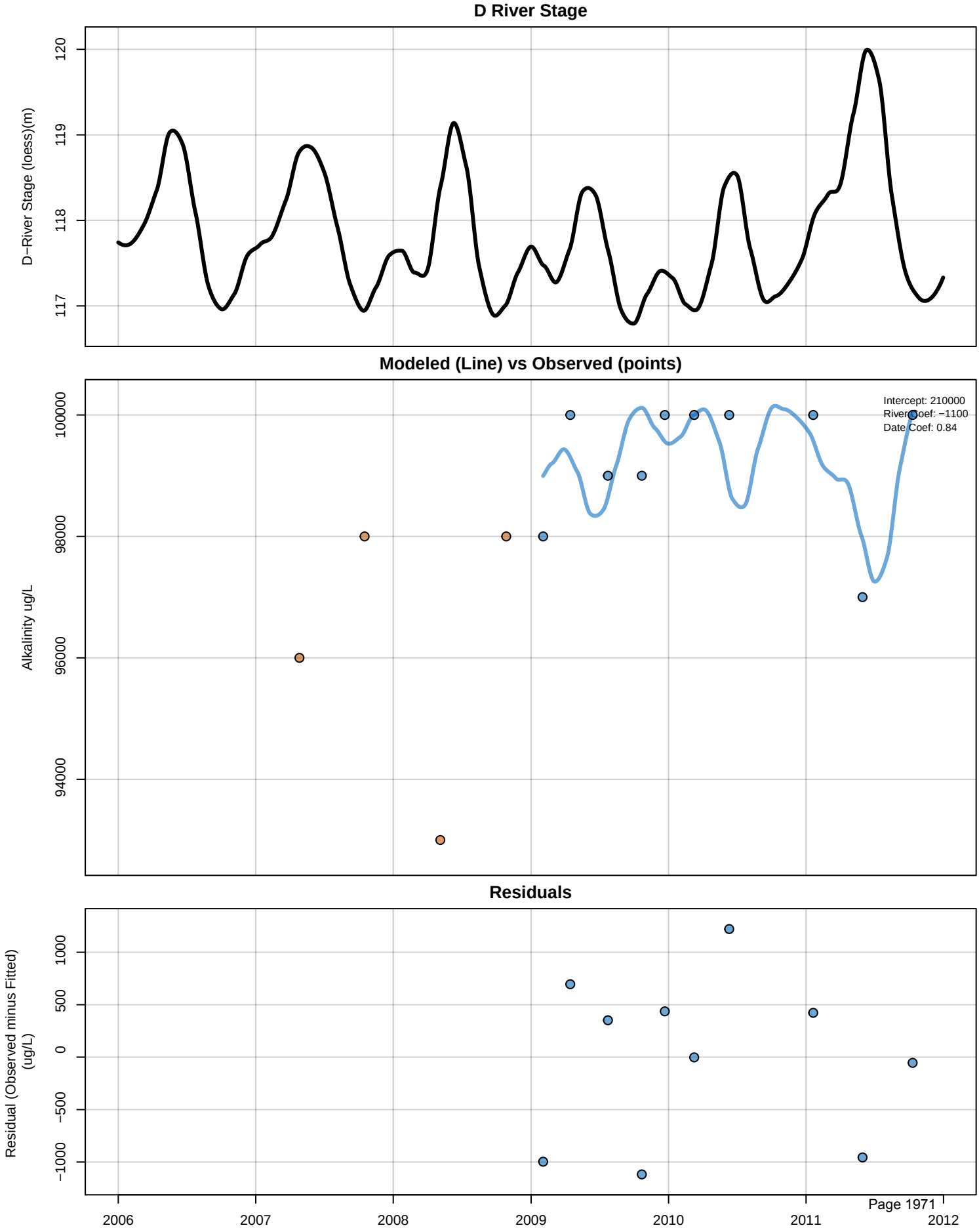
199−K−31 (63m) Lag (7 Days)

Detect
Non−detect
Pre−Remedy
Post−Remedy



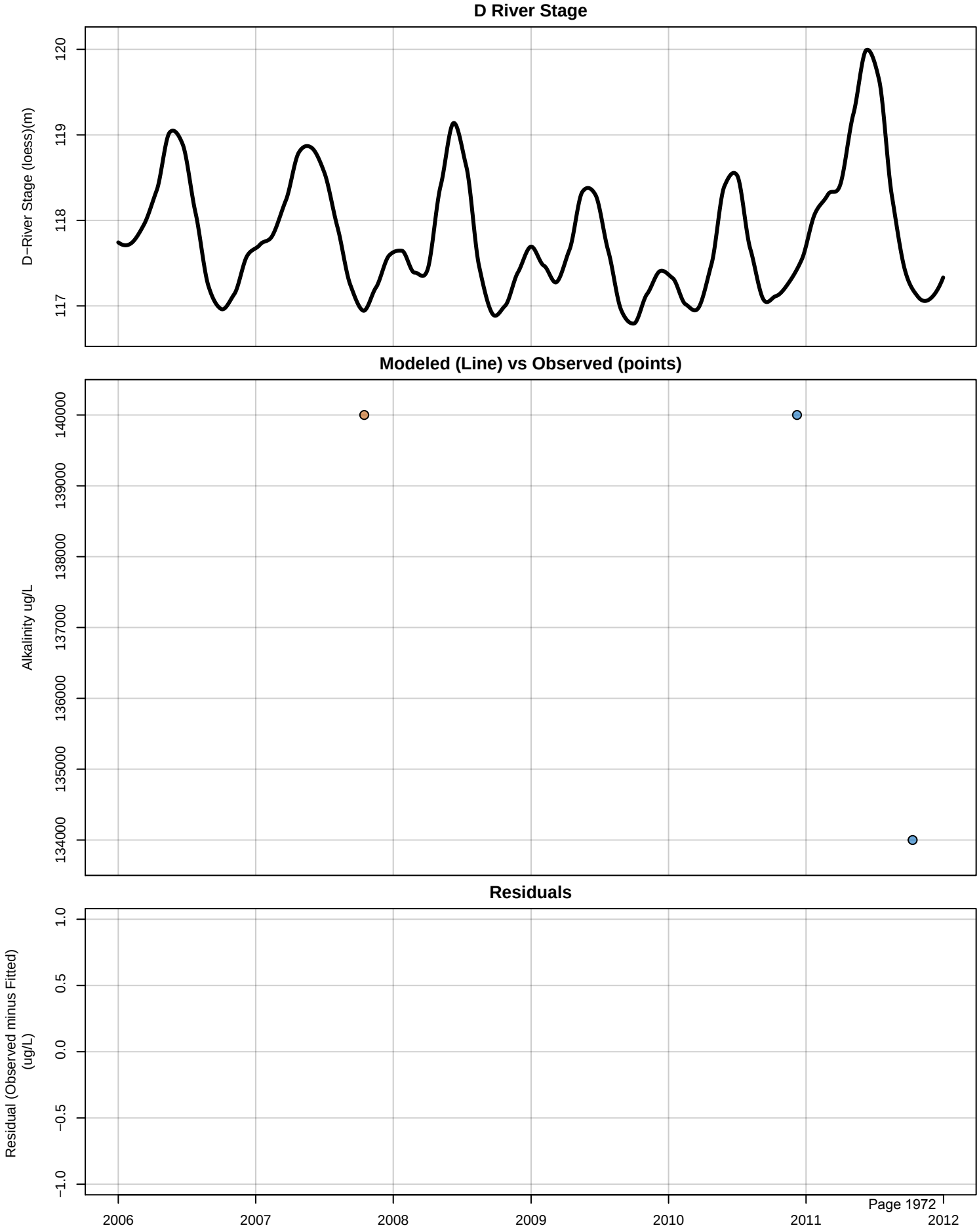
199−K−32A (237m) Lag (21 Days)

Detect
Non−detect
Pre−Remedy
Post−Remedy



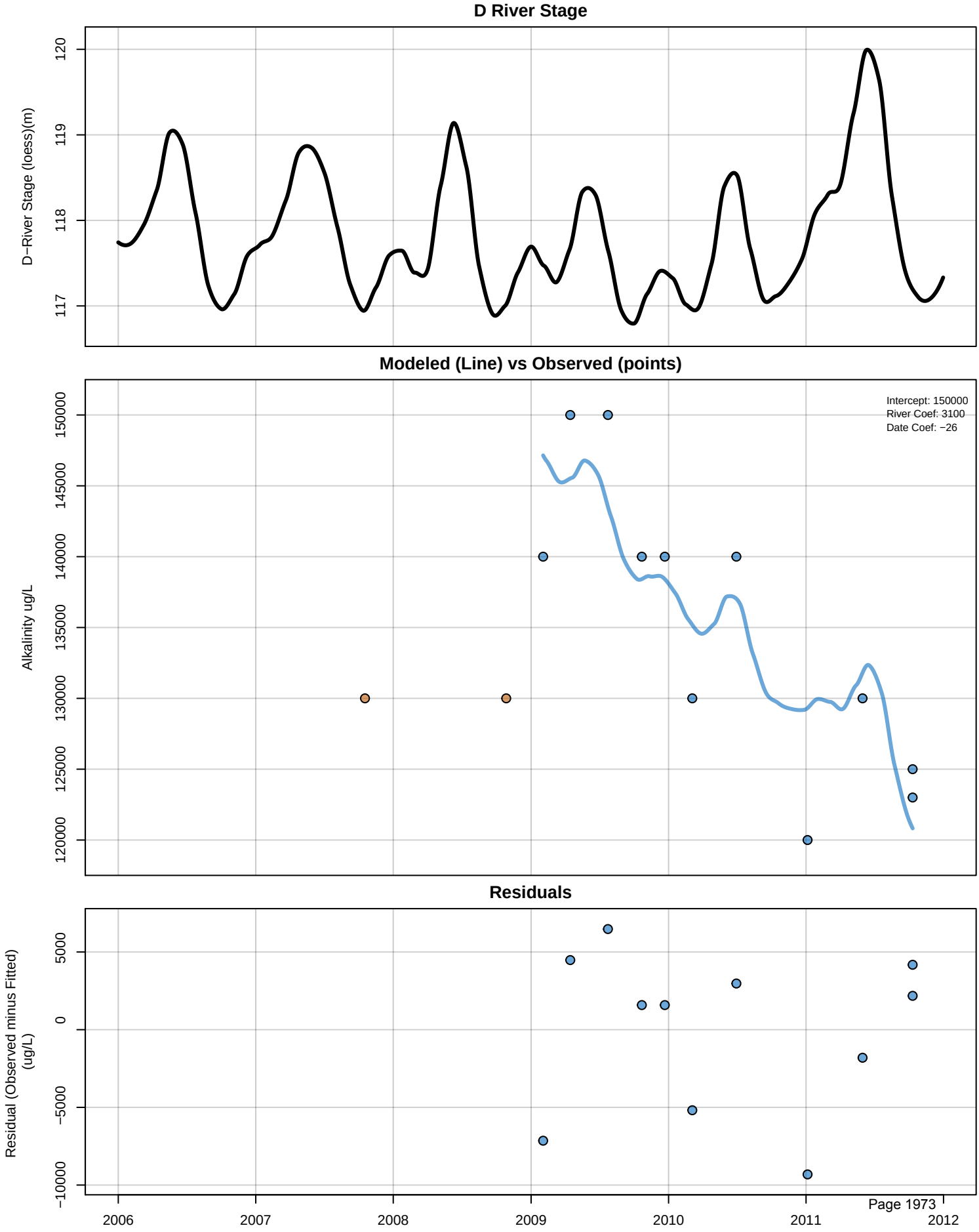
199−K−32B (230m) Lag (25 Days)

Detect
Non−detect
Pre−Remedy
Post−Remedy



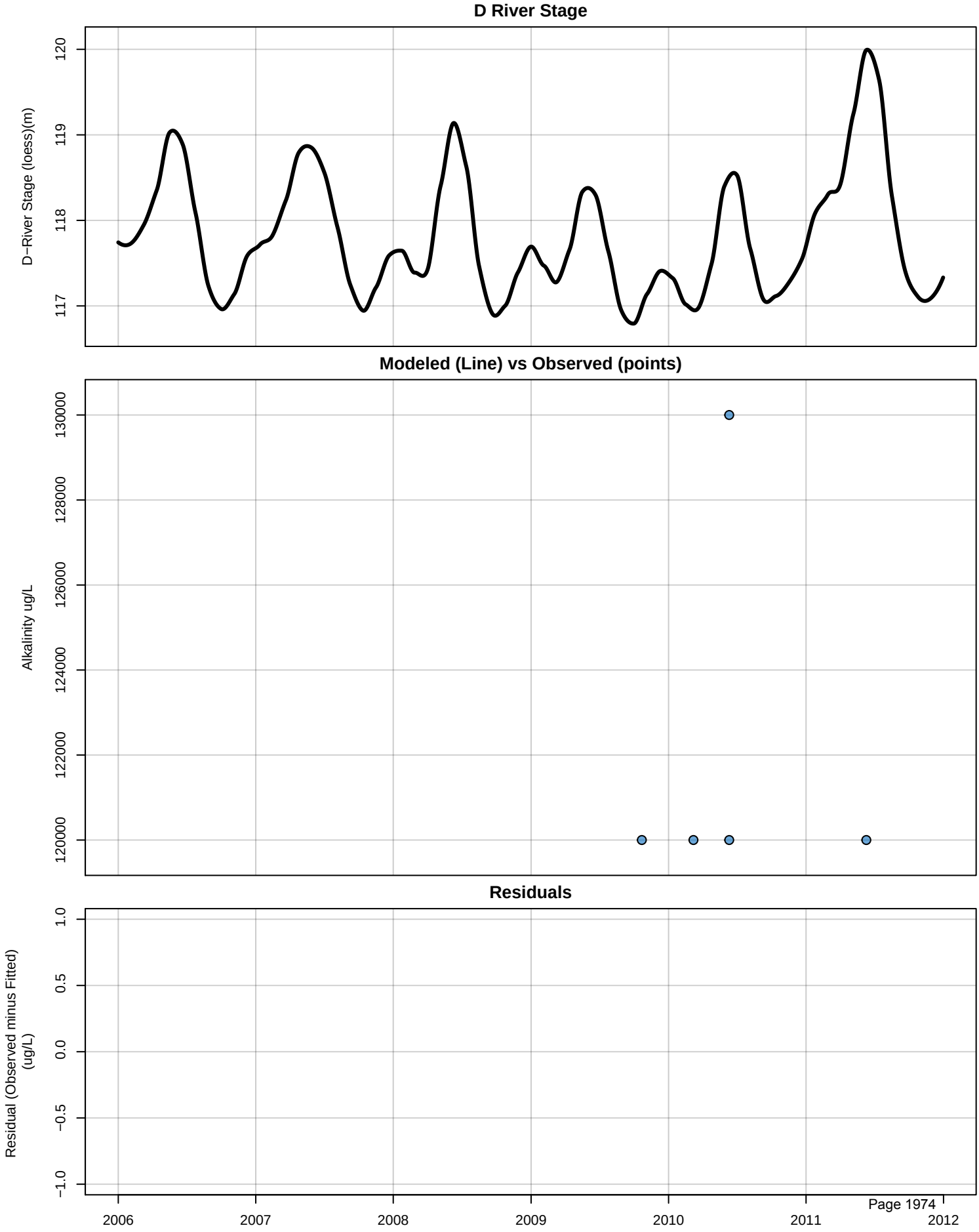
199−K−34 (383m) Lag (7 Days)

Detect
Non−detect
Pre−Remedy
Post−Remedy

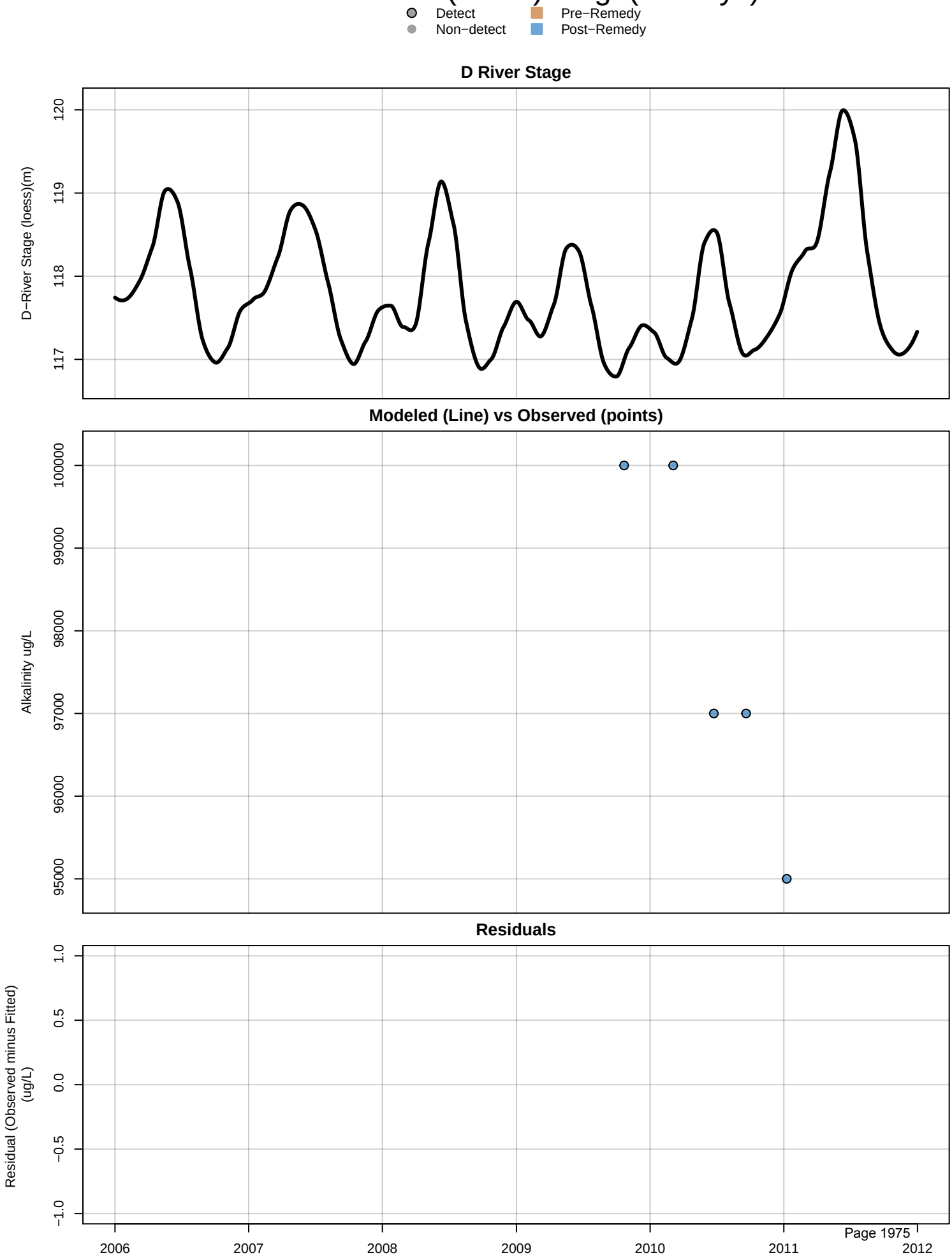


199−K−36 (918m) Lag (83 Days)

Detect
Non−detect
Pre−Remedy
Post−Remedy

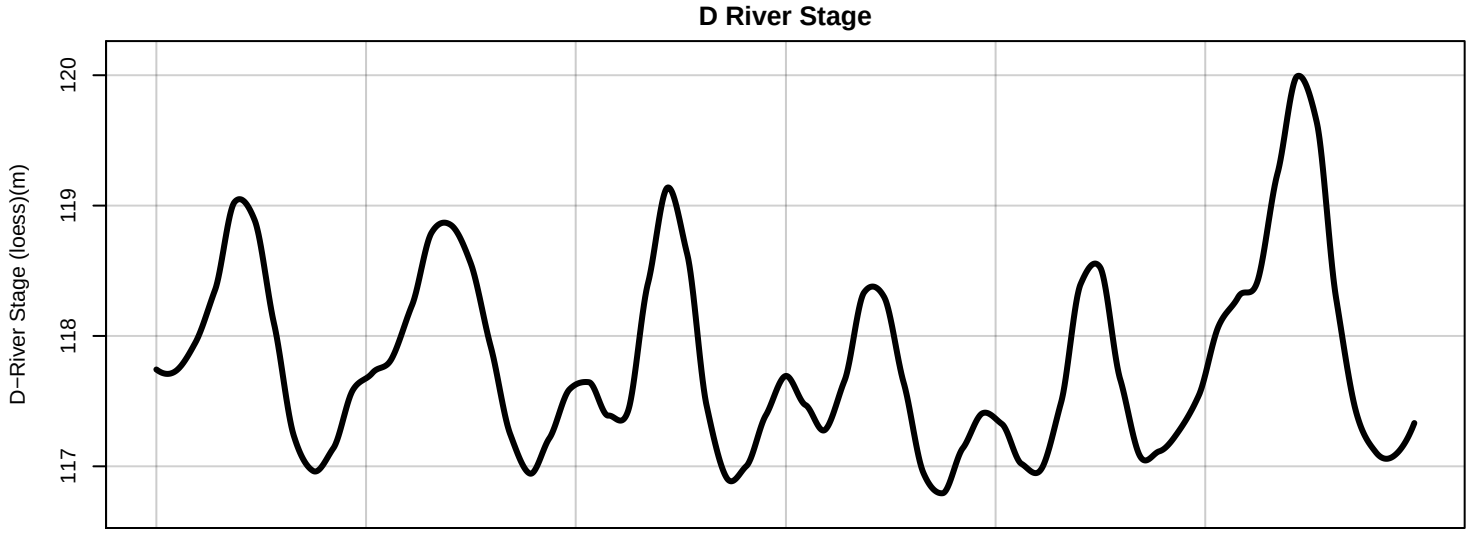


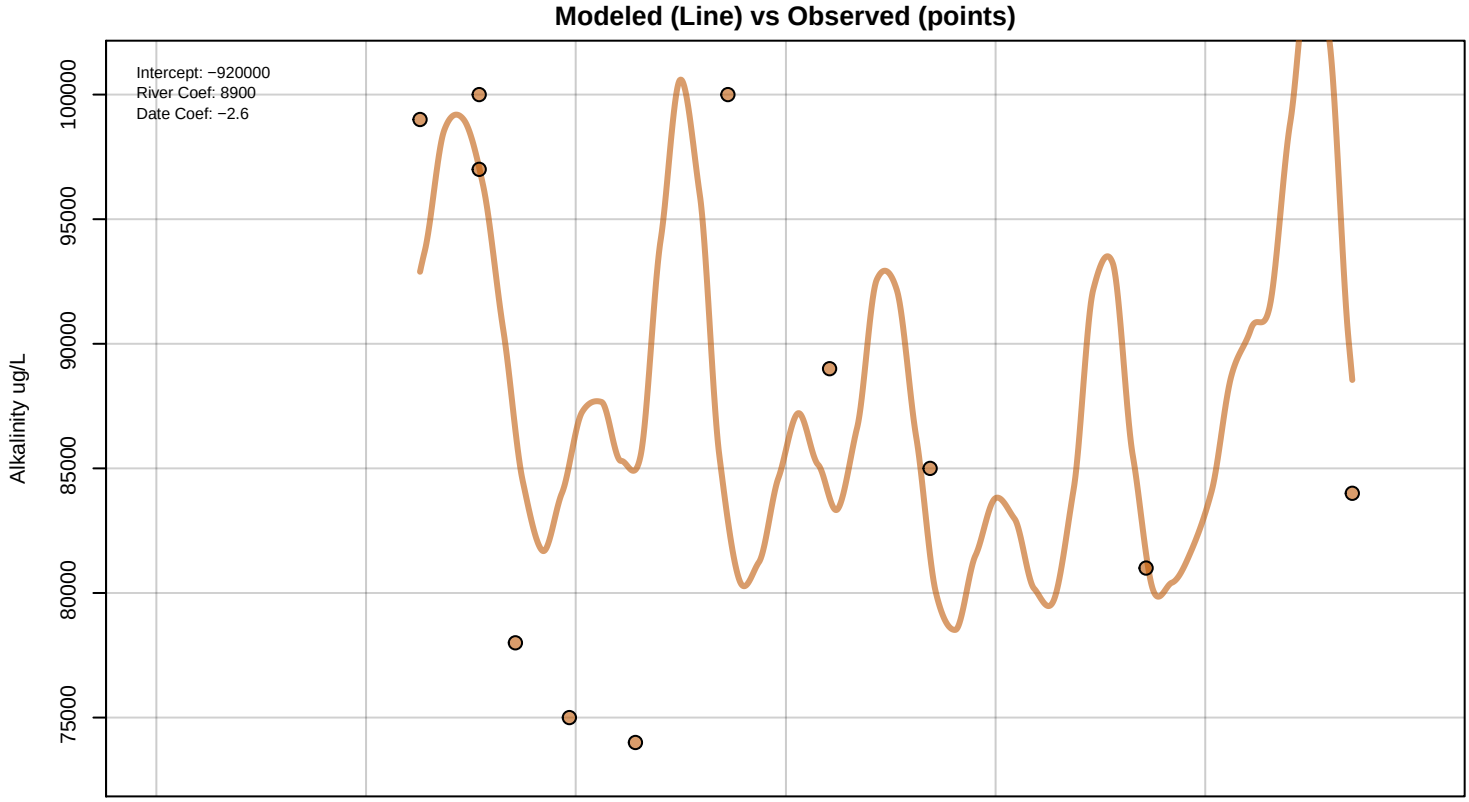
199−K−37 (227m) Lag (26 Days)

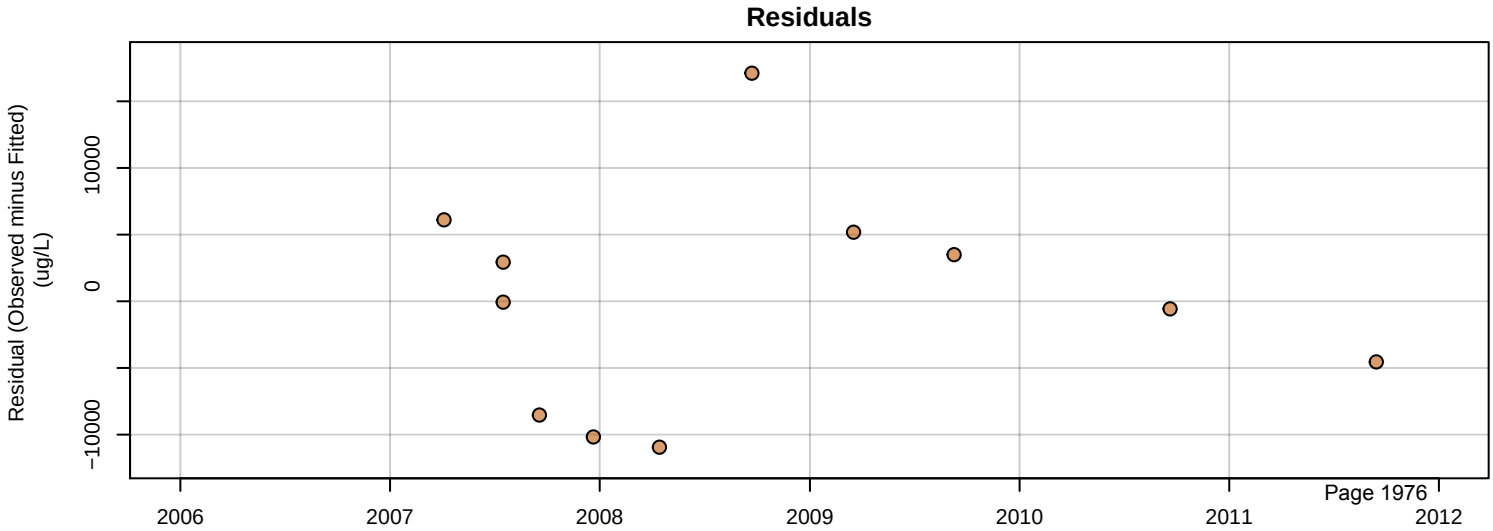


199−N−103A (95m) Lag (22 Days)

Detect
Non−detect
Pre−Remedy
Post−Remedy

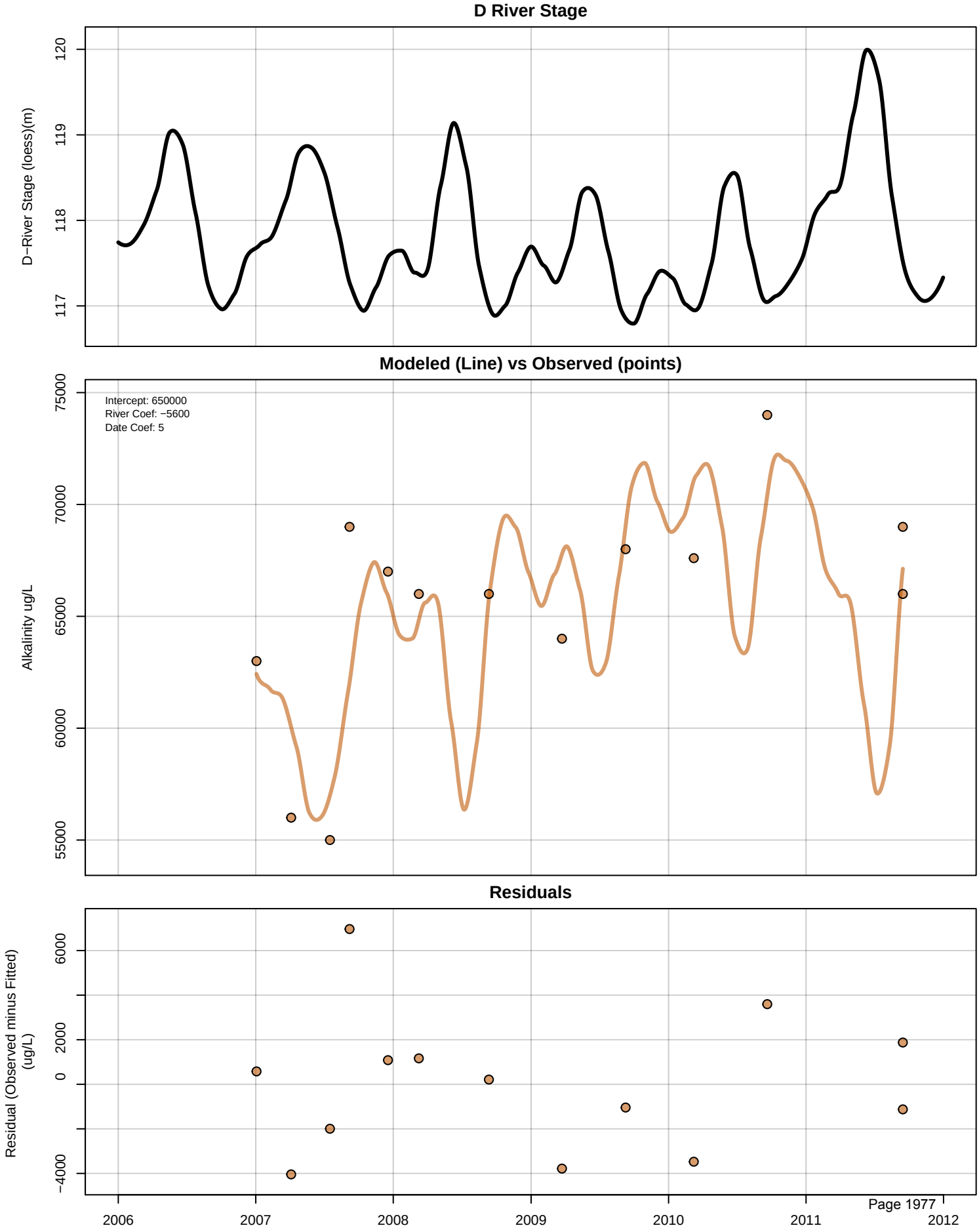






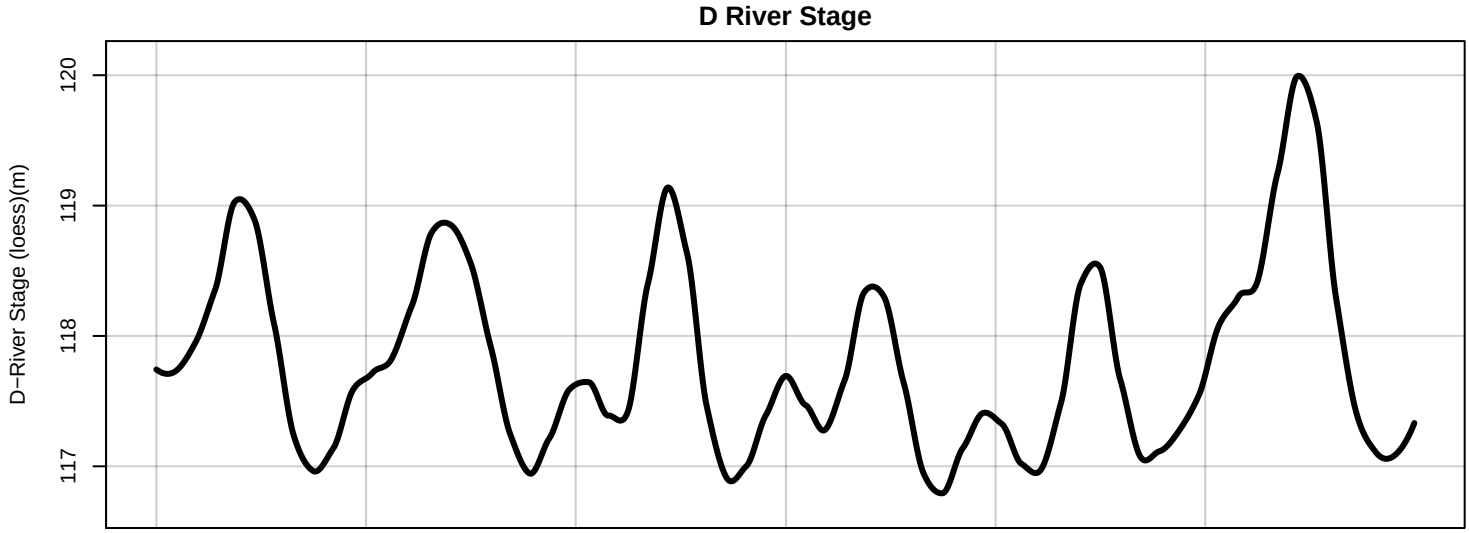
199−N−105A (173m) Lag (28 Days)

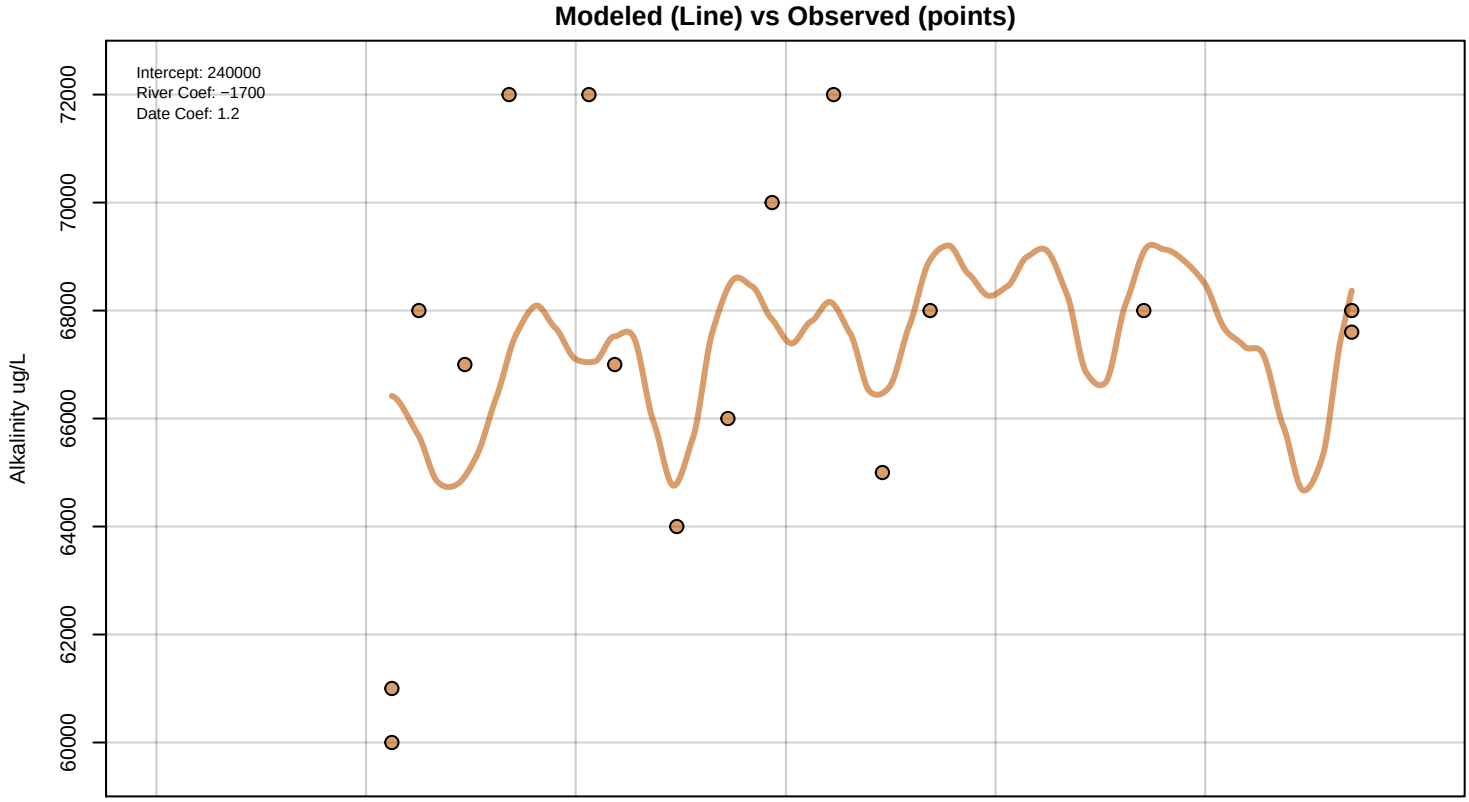
Detect
Non−detect
Pre−Remedy
Post−Remedy

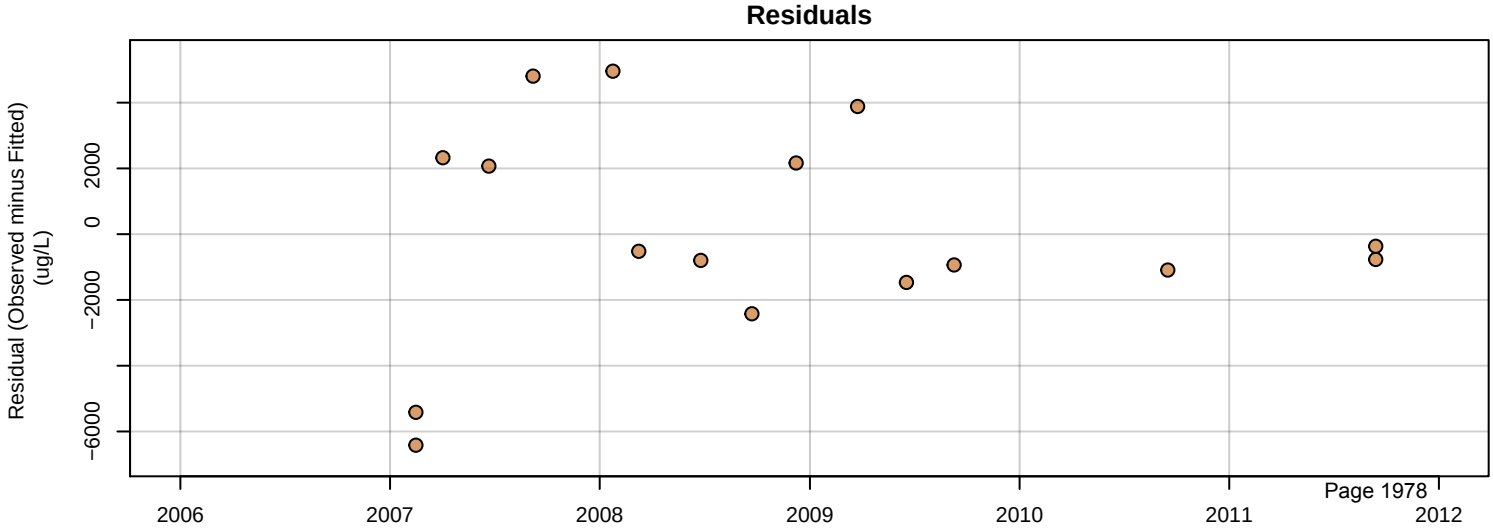


199−N−119 (7m) Lag (10 Days)

Detect
Non−detect
Pre−Remedy
Post−Remedy

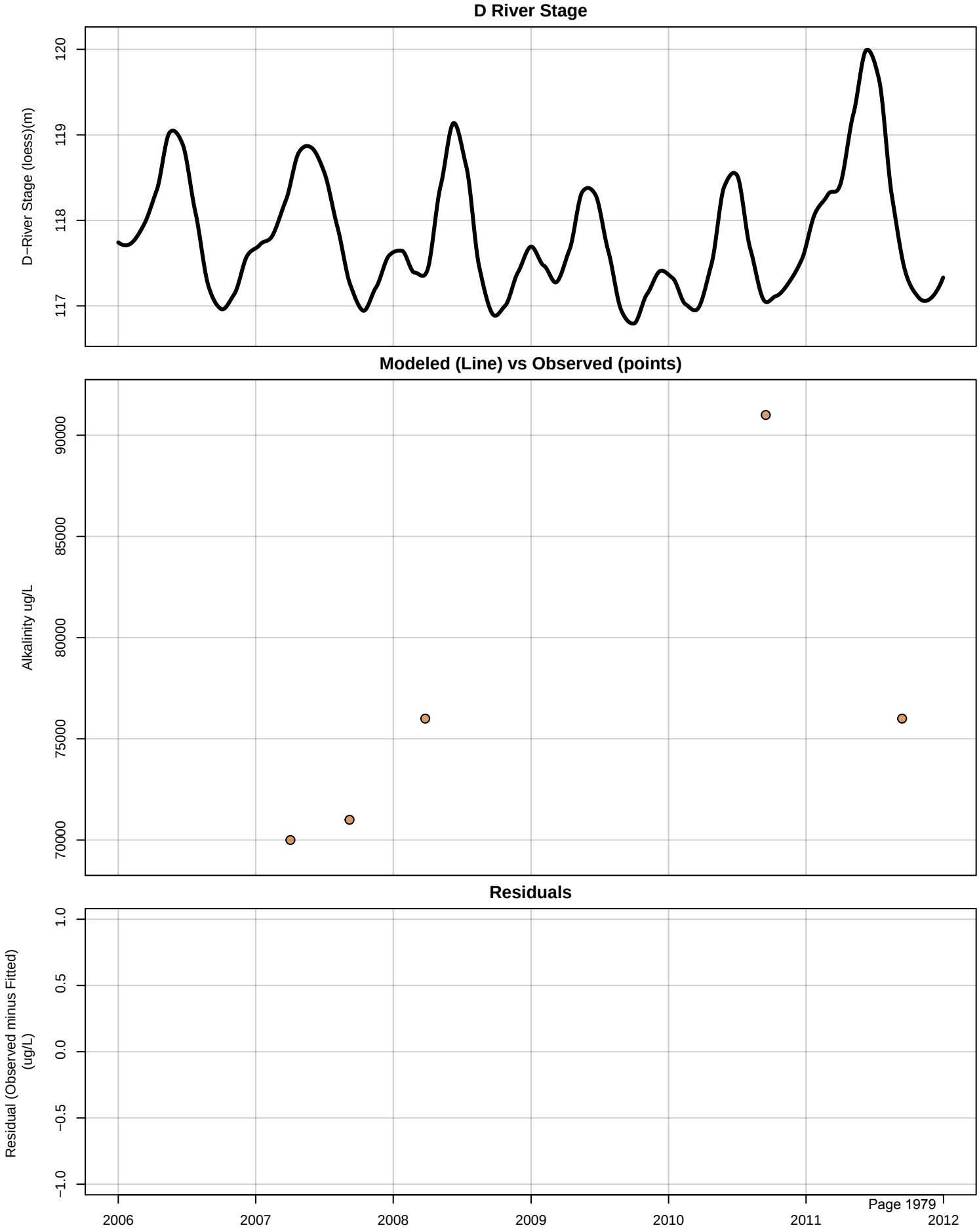






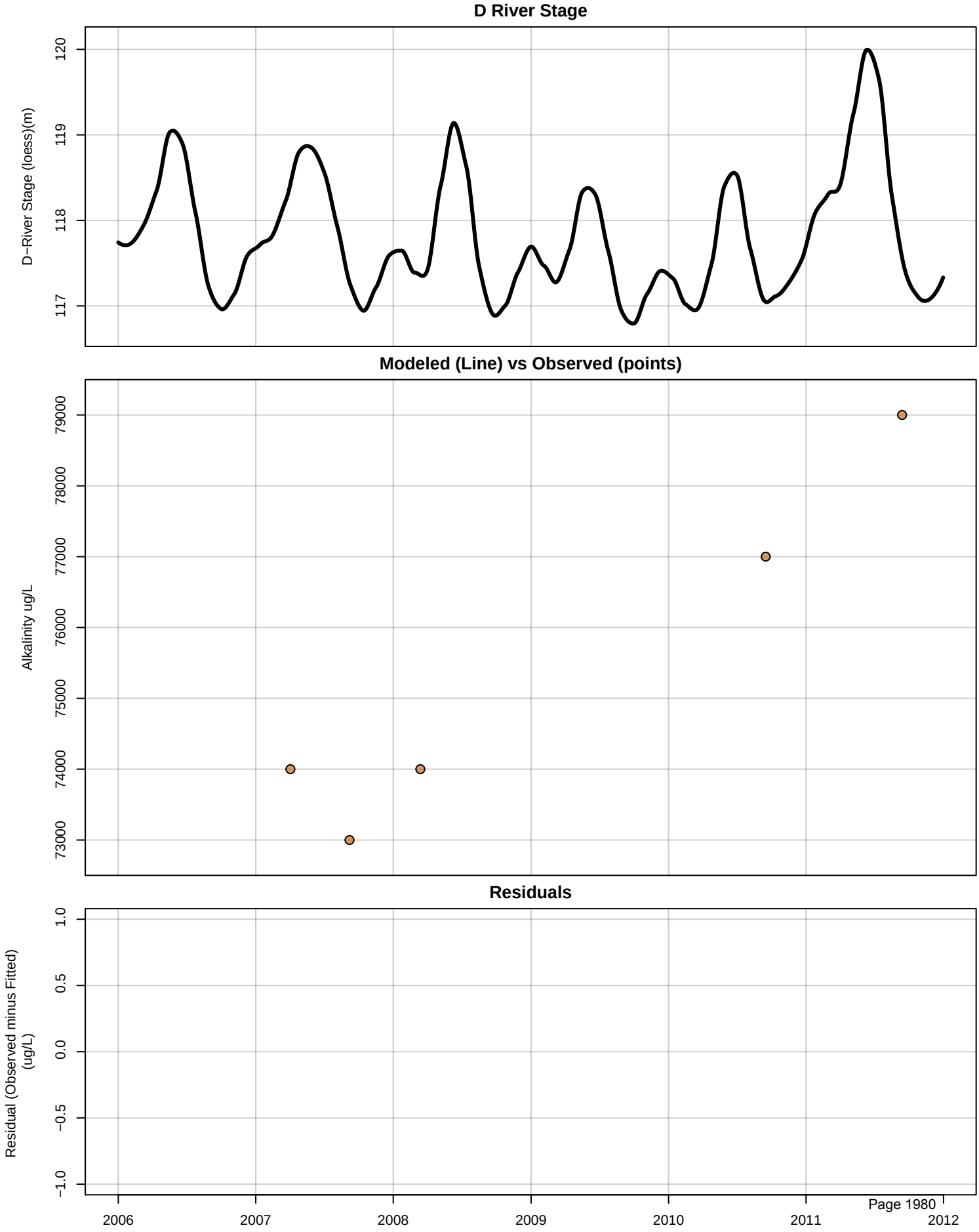
199−N−120 (6m) Lag (0 Days)

Detect
Non−detect
Pre−Remedy
Post−Remedy



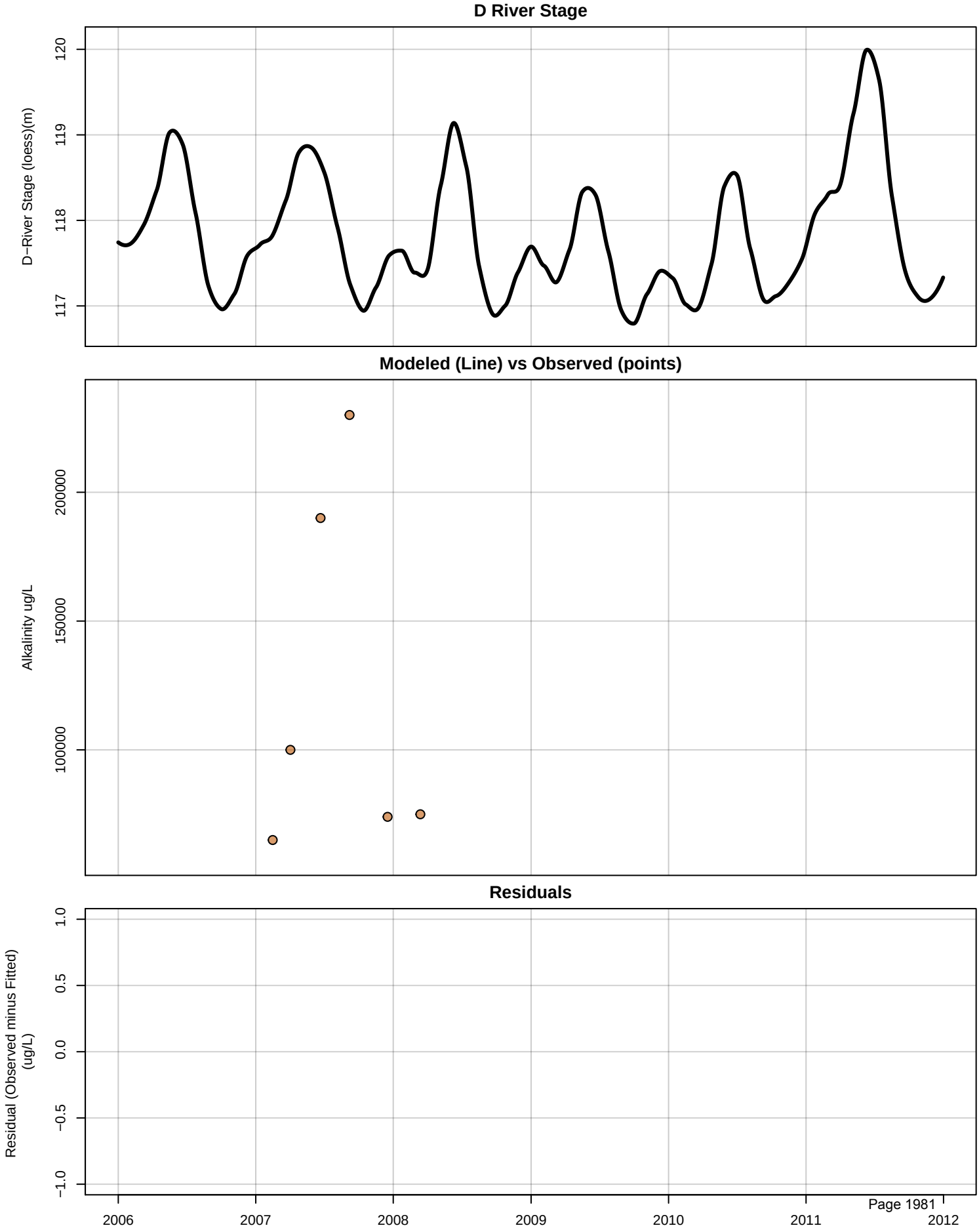
199−N−121 (6m) Lag (0 Days)

Detect
Non−detect
Pre−Remedy
Post−Remedy

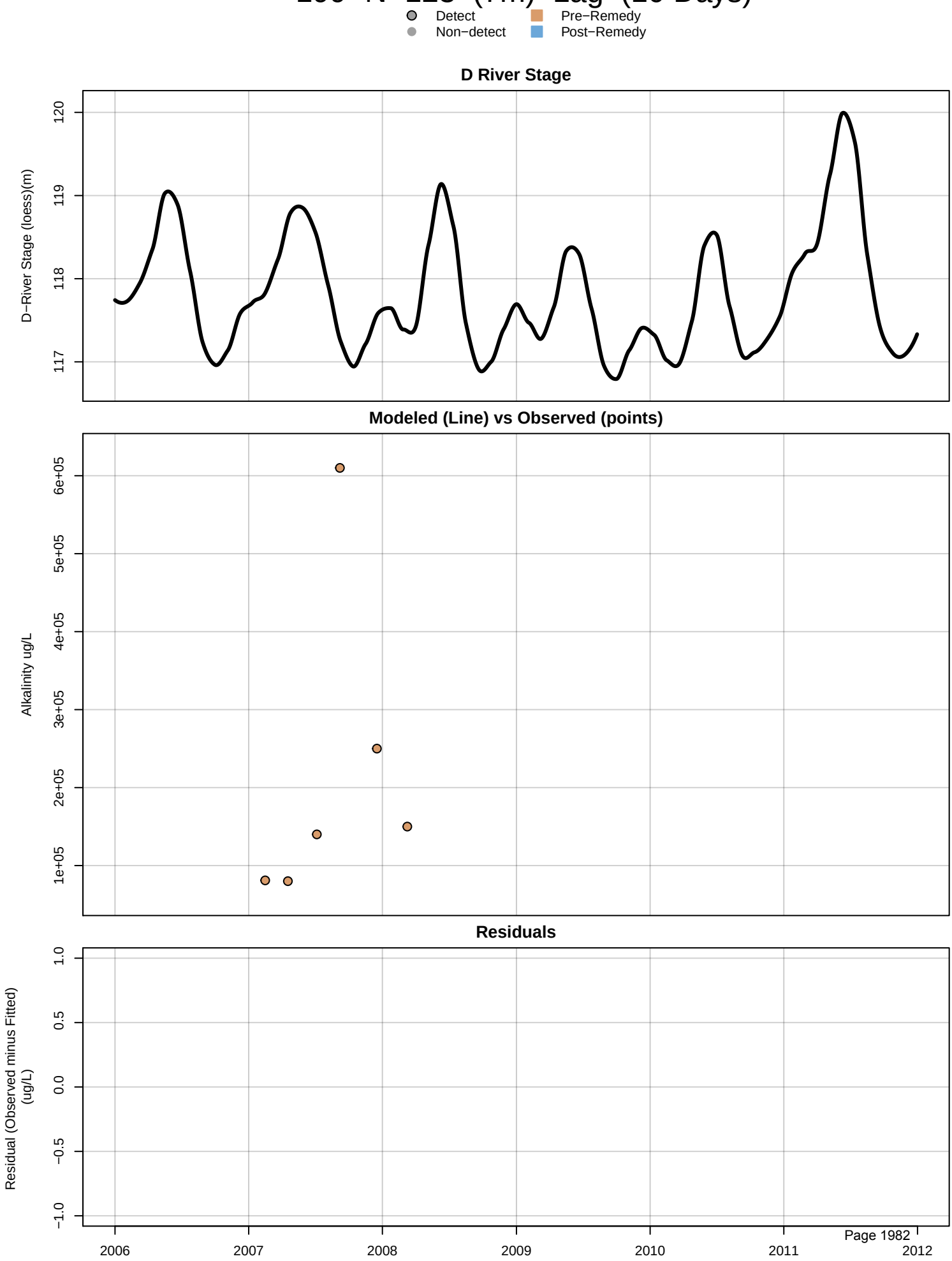


199−N−122 (3m) Lag (10 Days)

Detect
Non−detect
Pre−Remedy
Post−Remedy

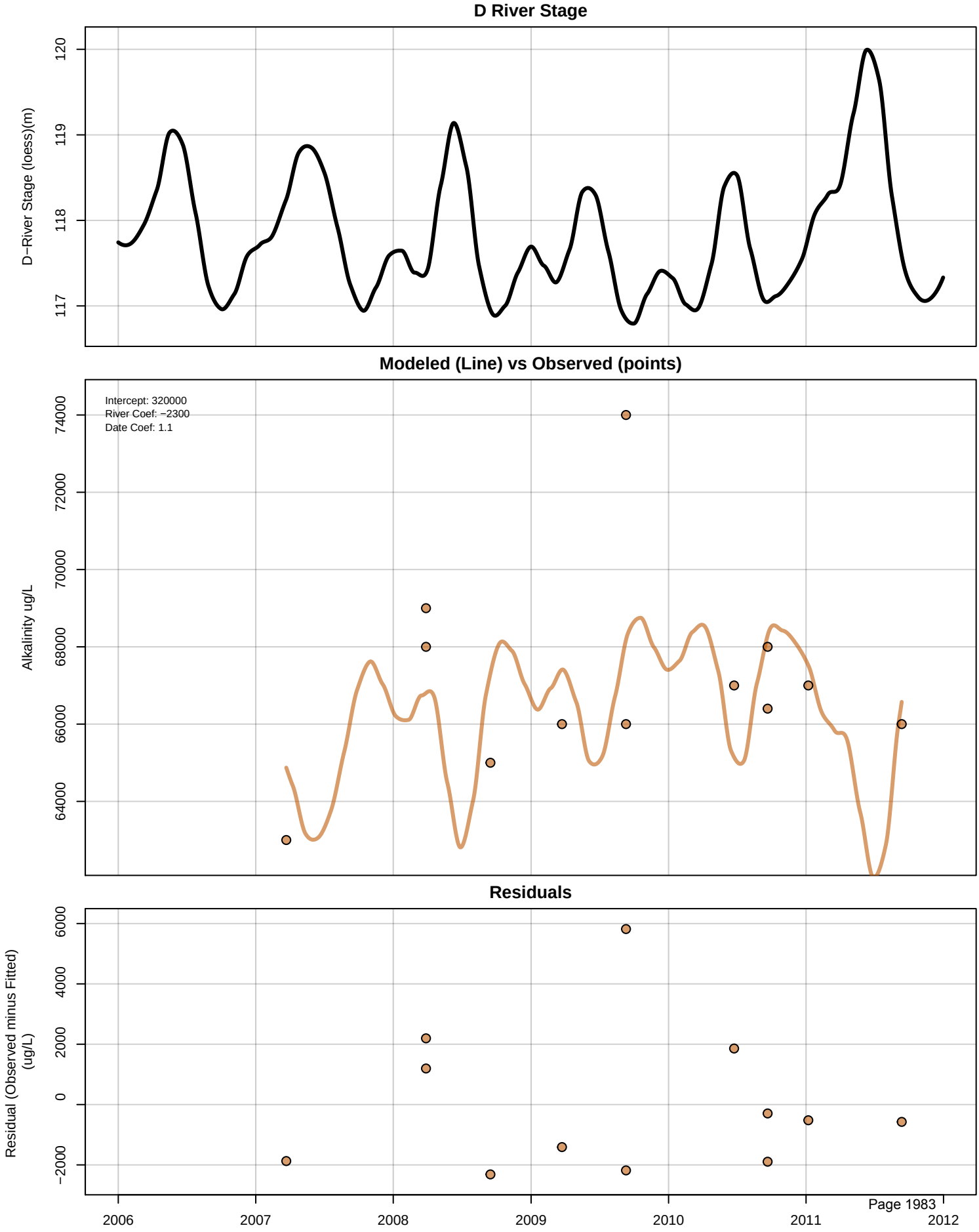


199−N−123 (7m) Lag (10 Days)



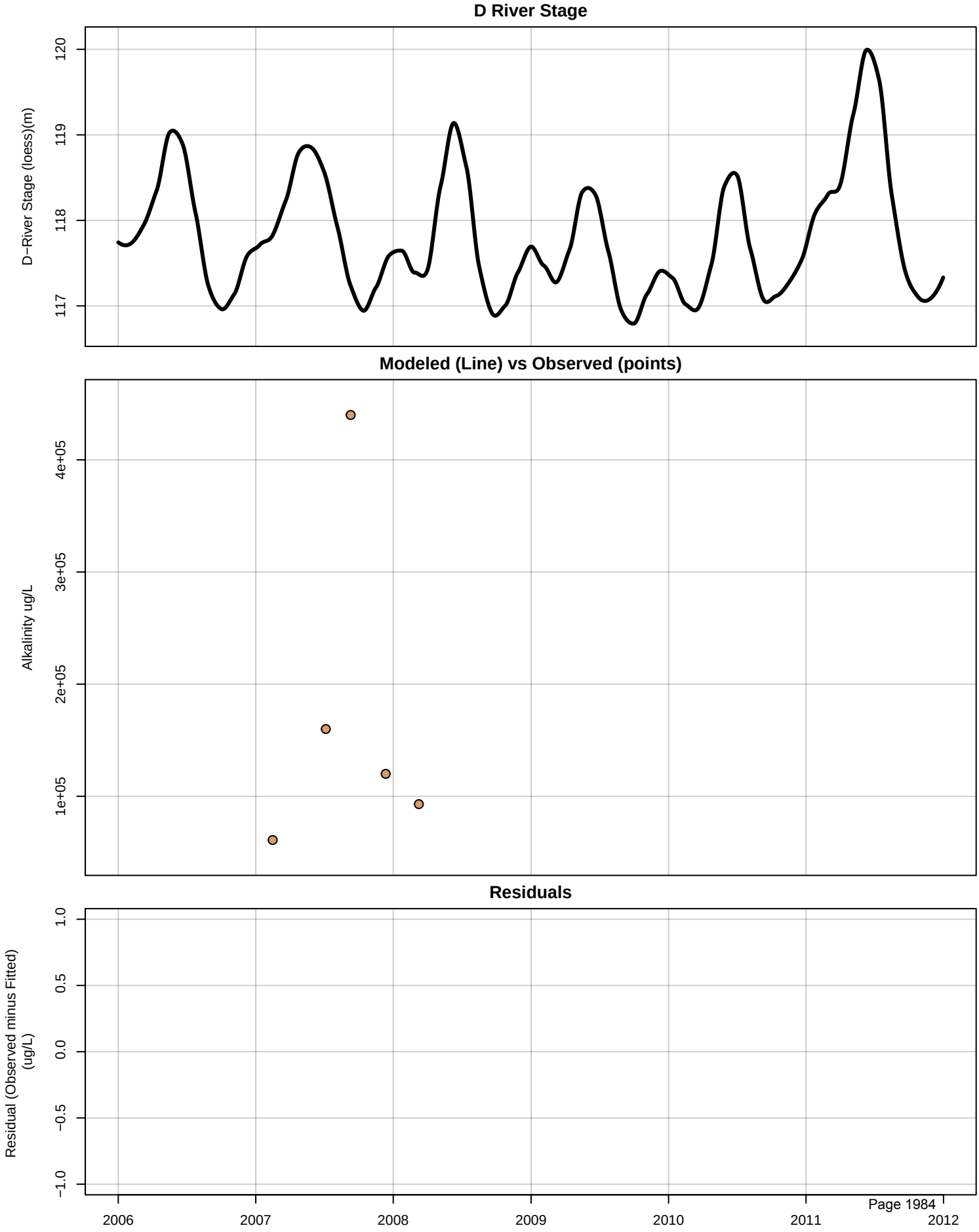
199−N−14 (135m) Lag (18 Days)

Detect
Non−detect
Pre−Remedy
Post−Remedy



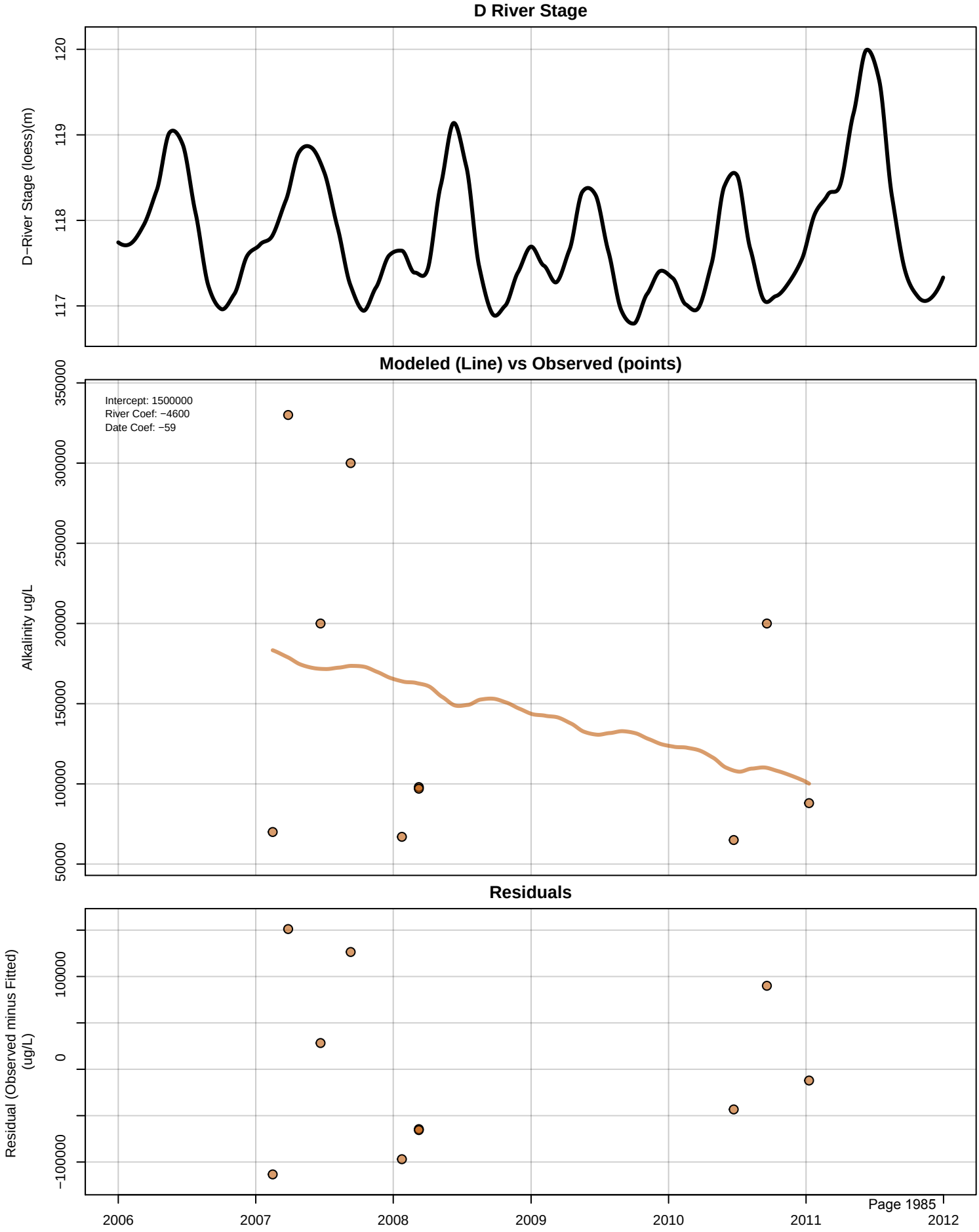
199−N−146 (4m) Lag (3 Days)

Detect
Non−detect
Pre−Remedy
Post−Remedy

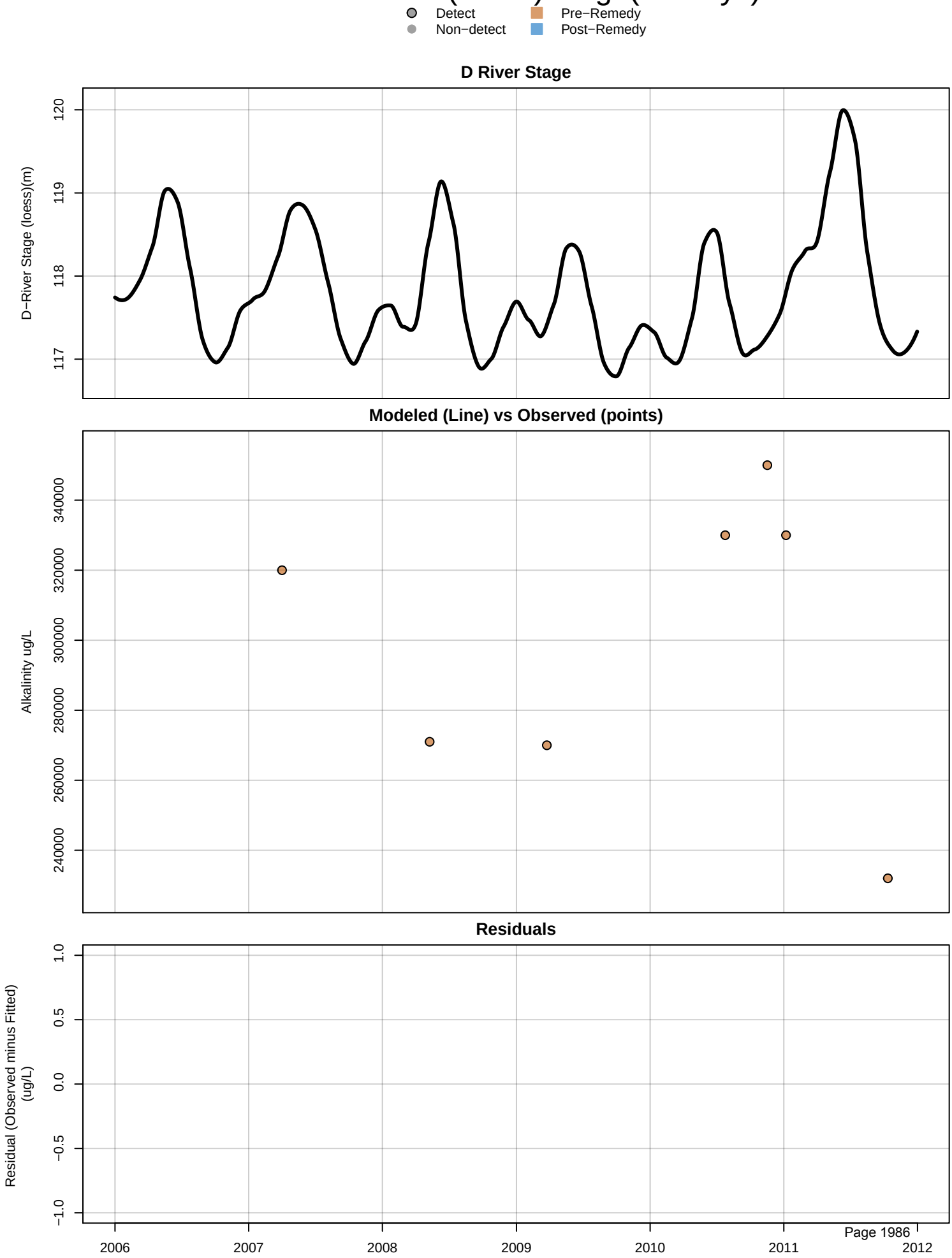


199−N−147 (5m) Lag (4 Days)

Detect
Non−detect
Pre−Remedy
Post−Remedy

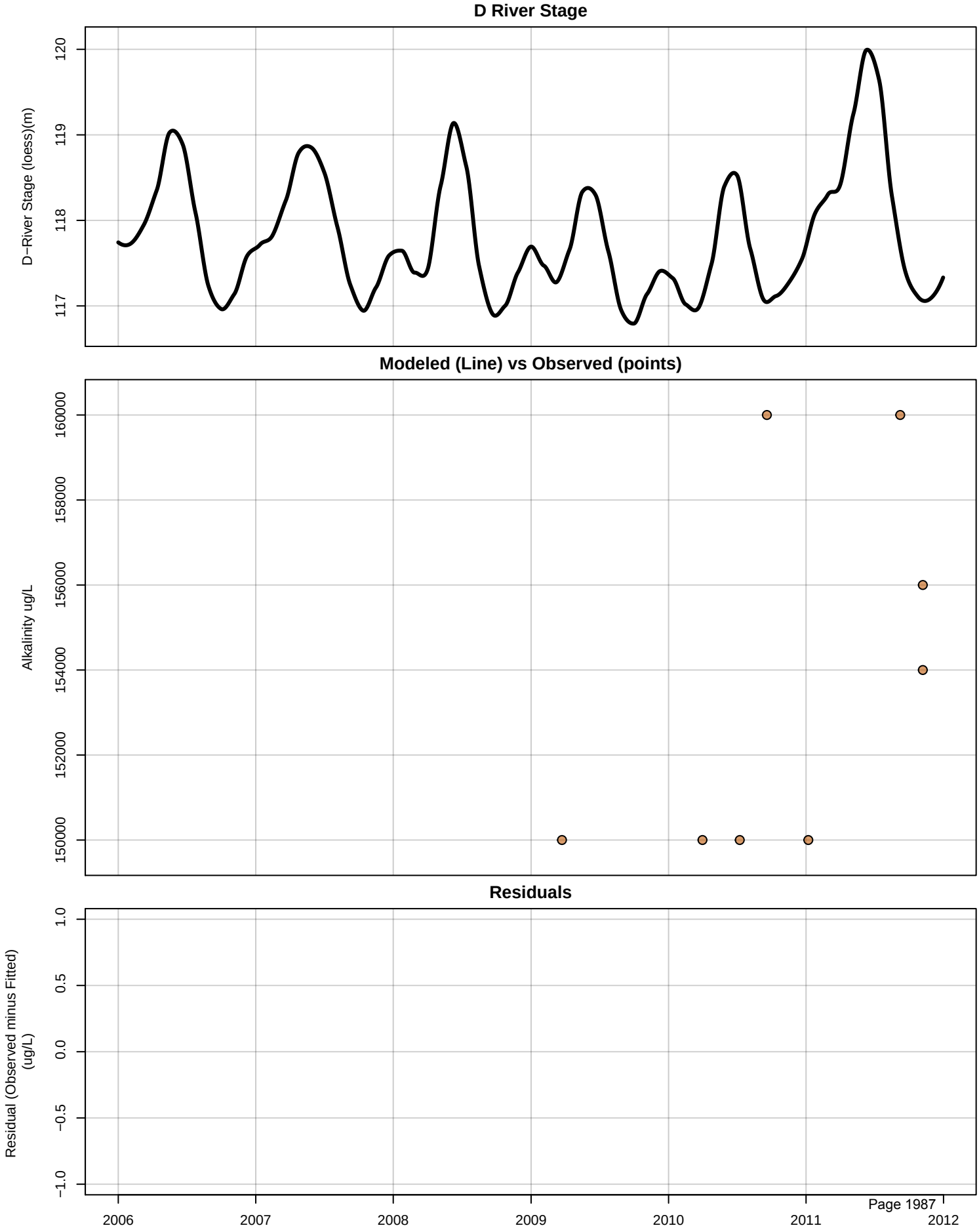


199−N−16 (257m) Lag (36 Days)

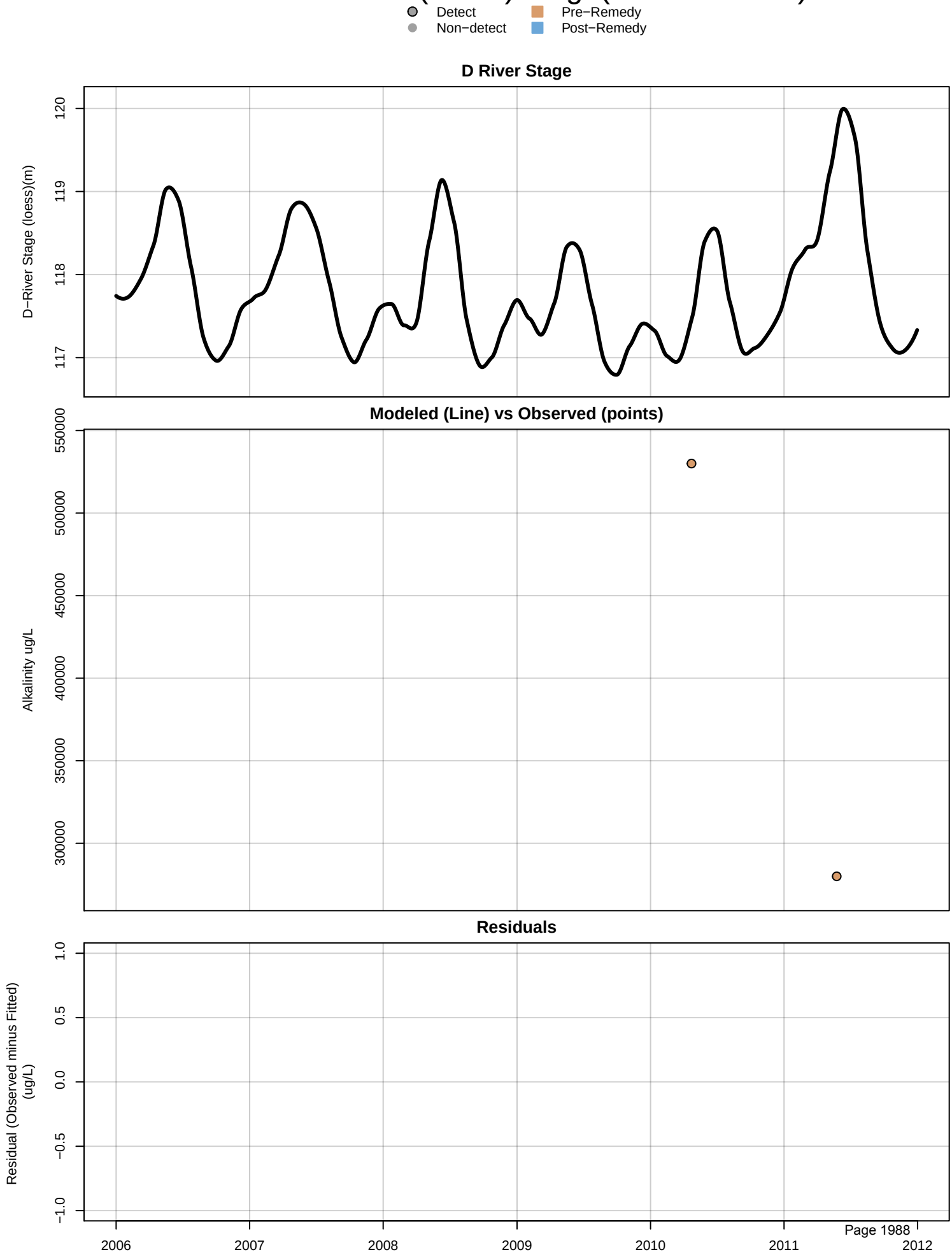


199−N−165 (393m) Lag (46 Days)

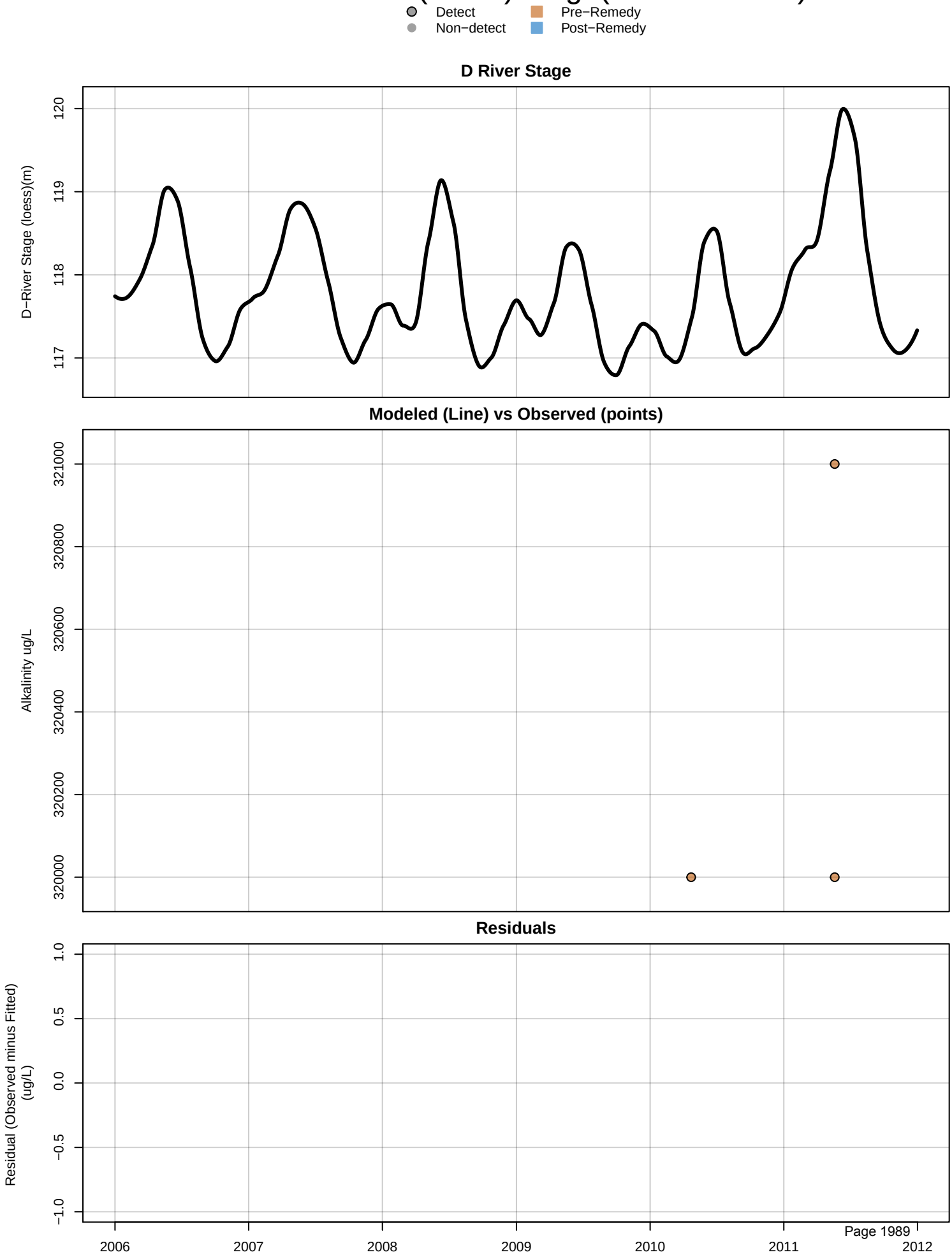
Detect
Non−detect
Pre−Remedy
Post−Remedy



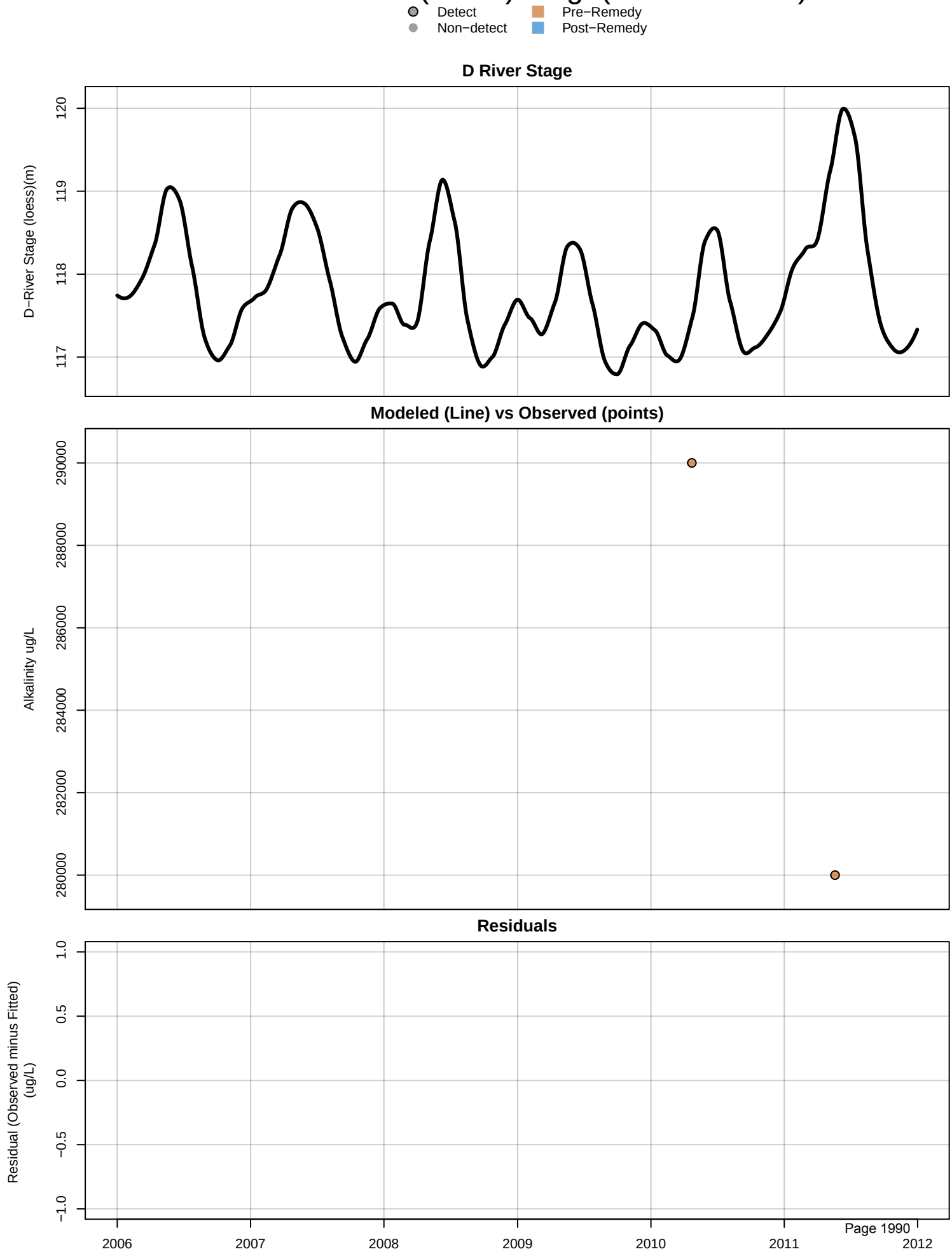
199−N−167 (131m) Lag (Indeterminate)



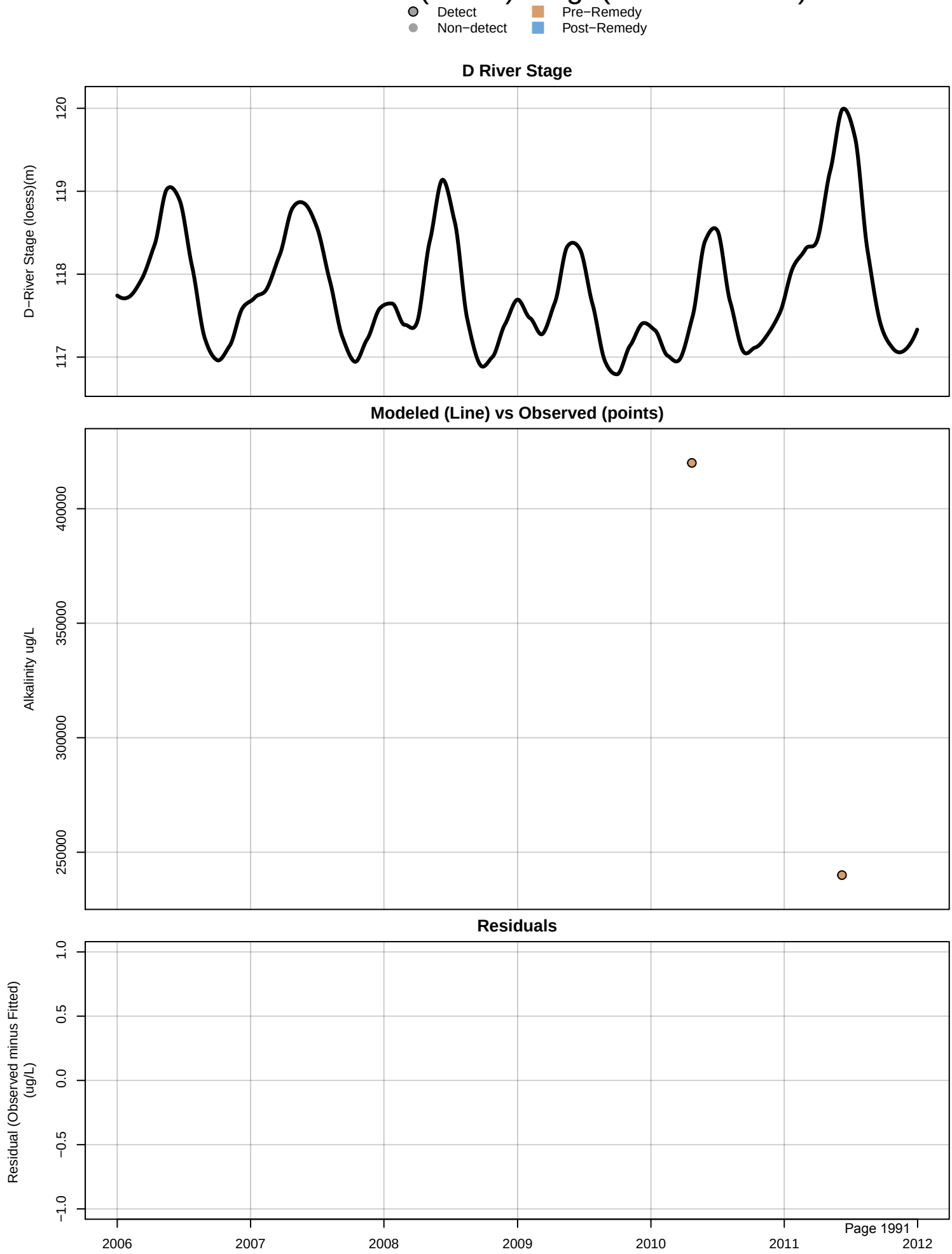
199−N−169 (126m) Lag (Indeterminate)



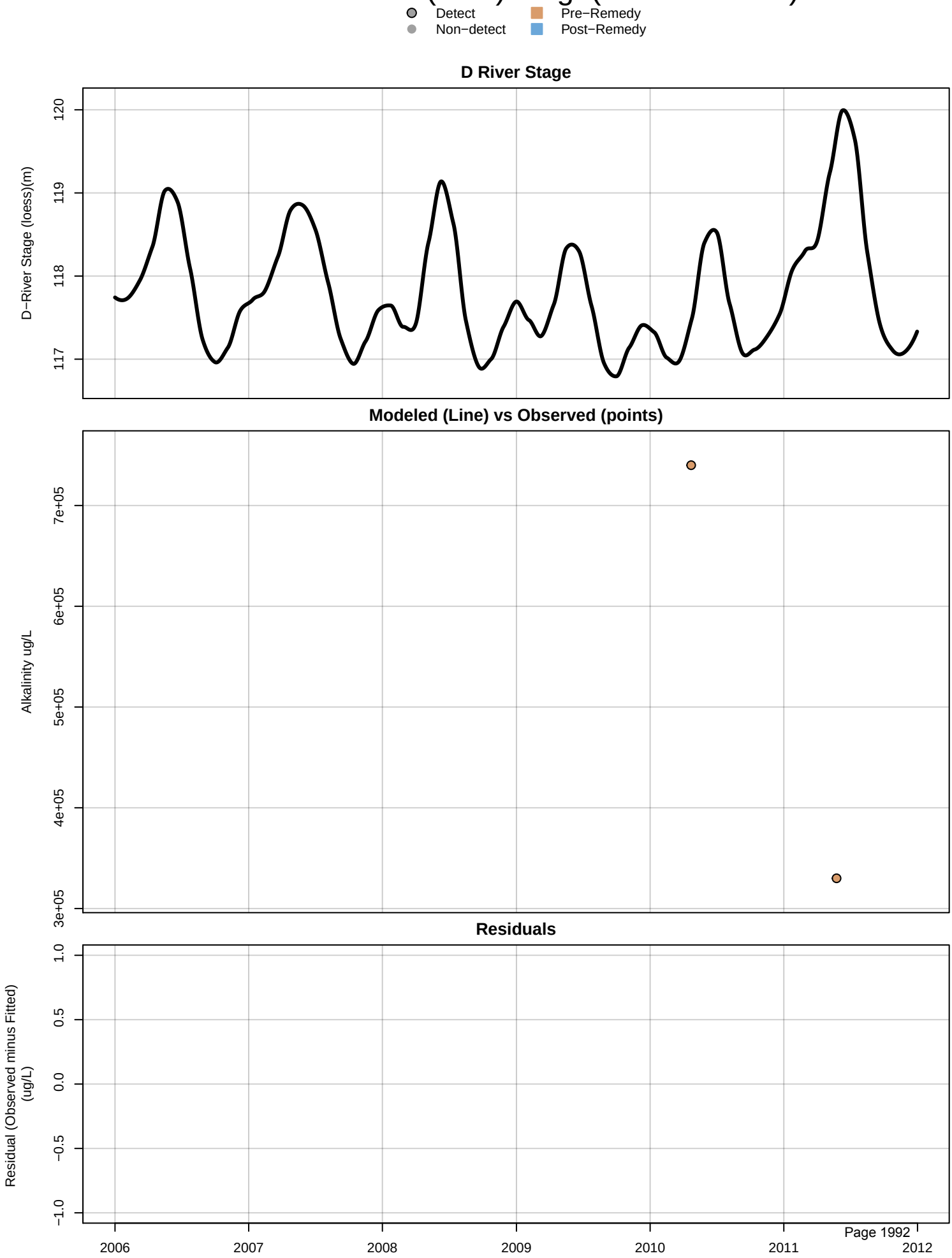
199−N−170 (116m) Lag (Indeterminate)



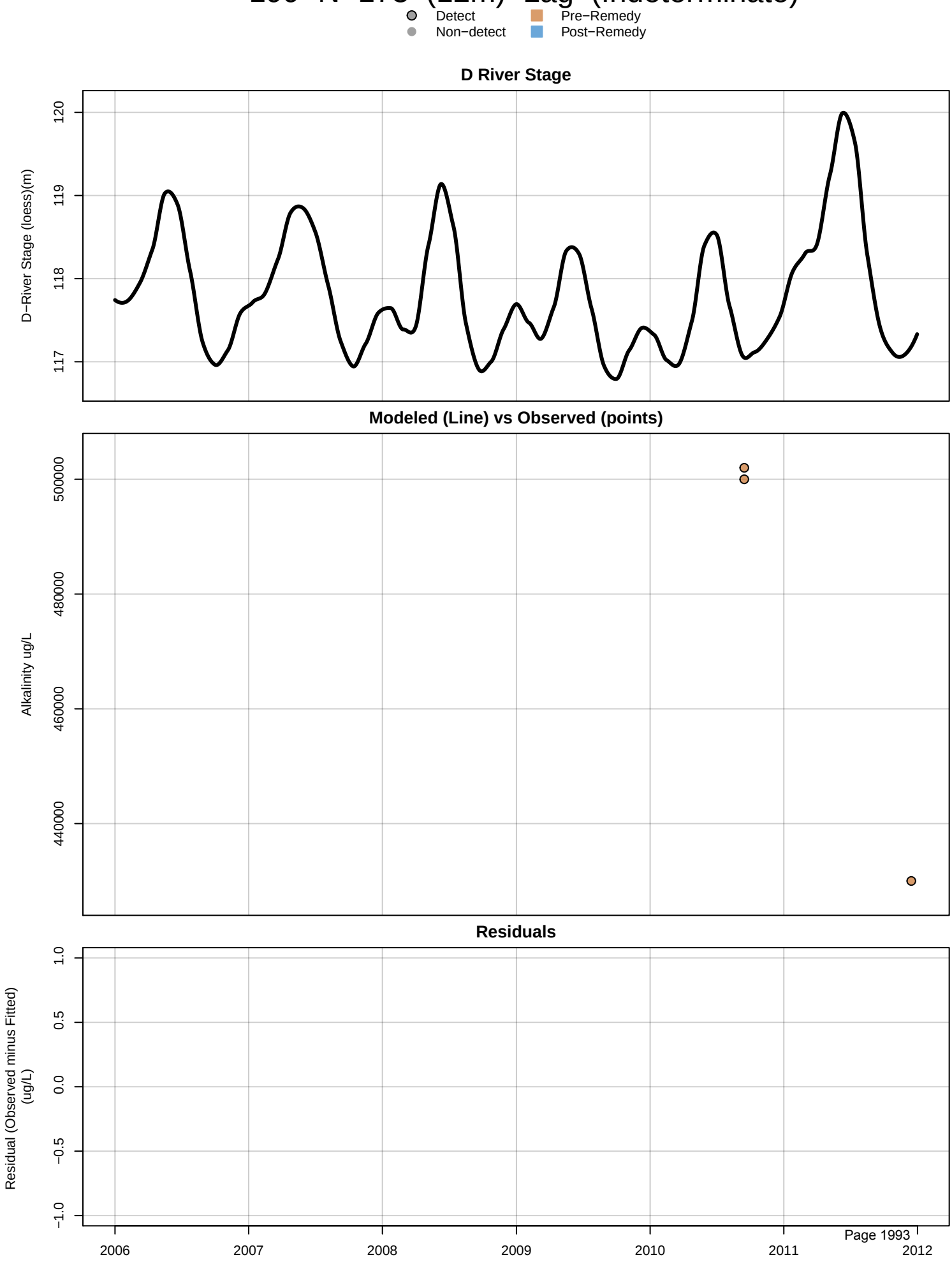
199−N−171 (108m) Lag (Indeterminate)



199−N−172 (81m) Lag (Indeterminate)

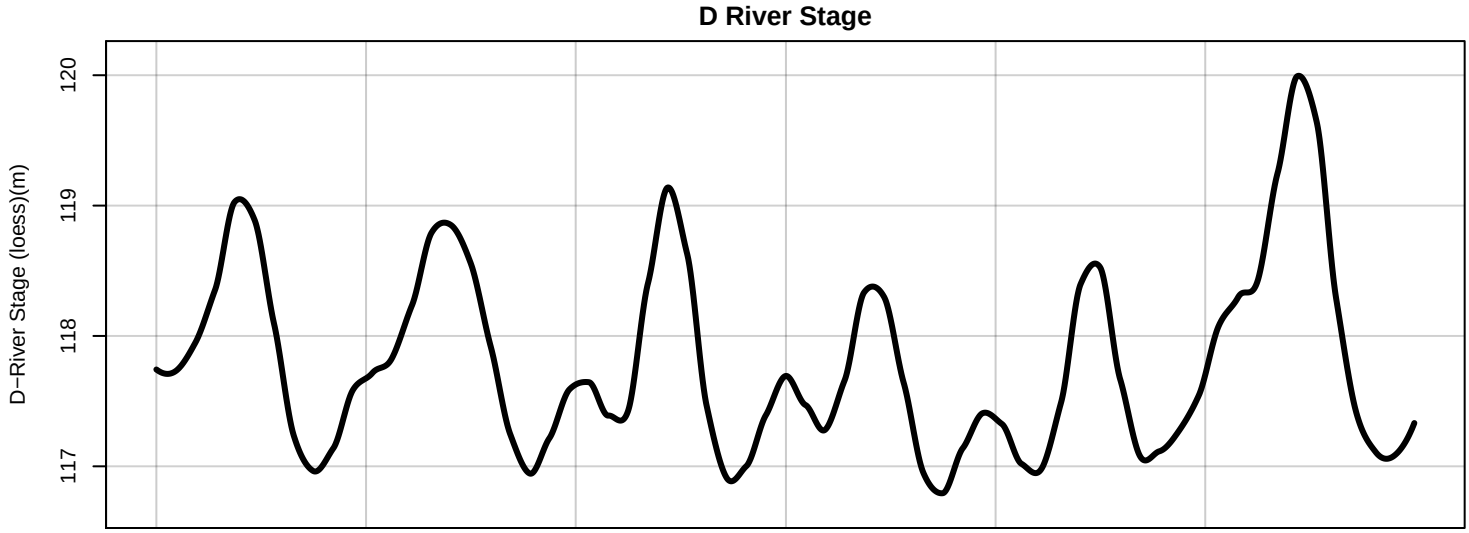


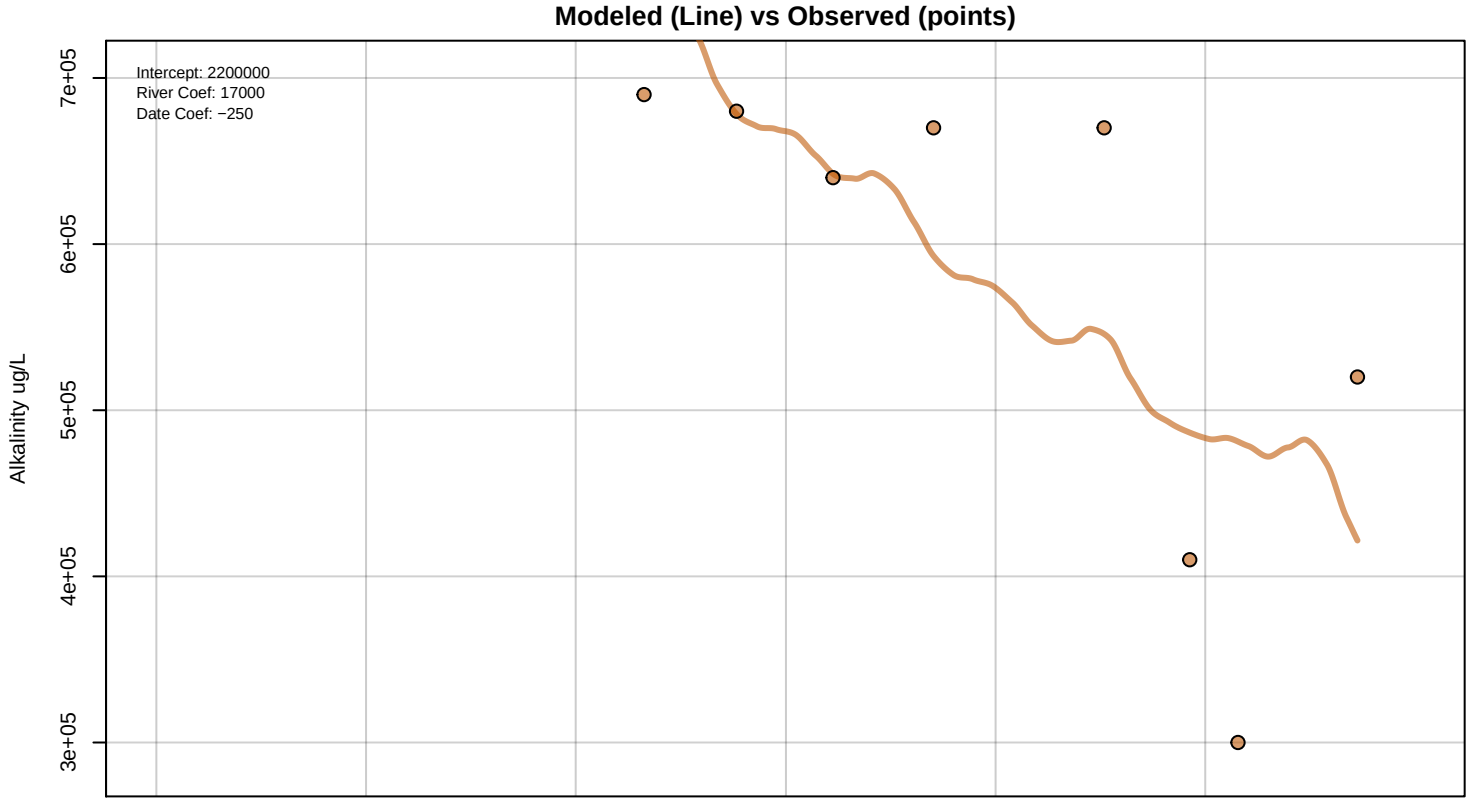
199−N−173 (12m) Lag (Indeterminate)

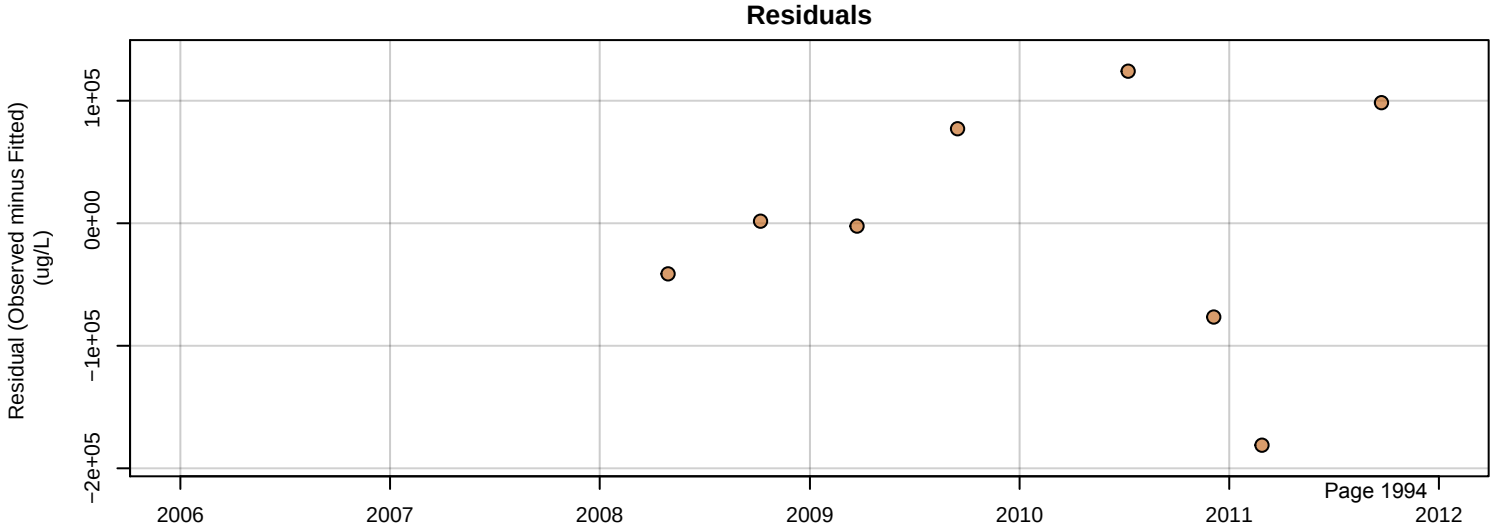


199−N−18 (72m) Lag (18 Days)

Detect
Non−detect
Pre−Remedy
Post−Remedy

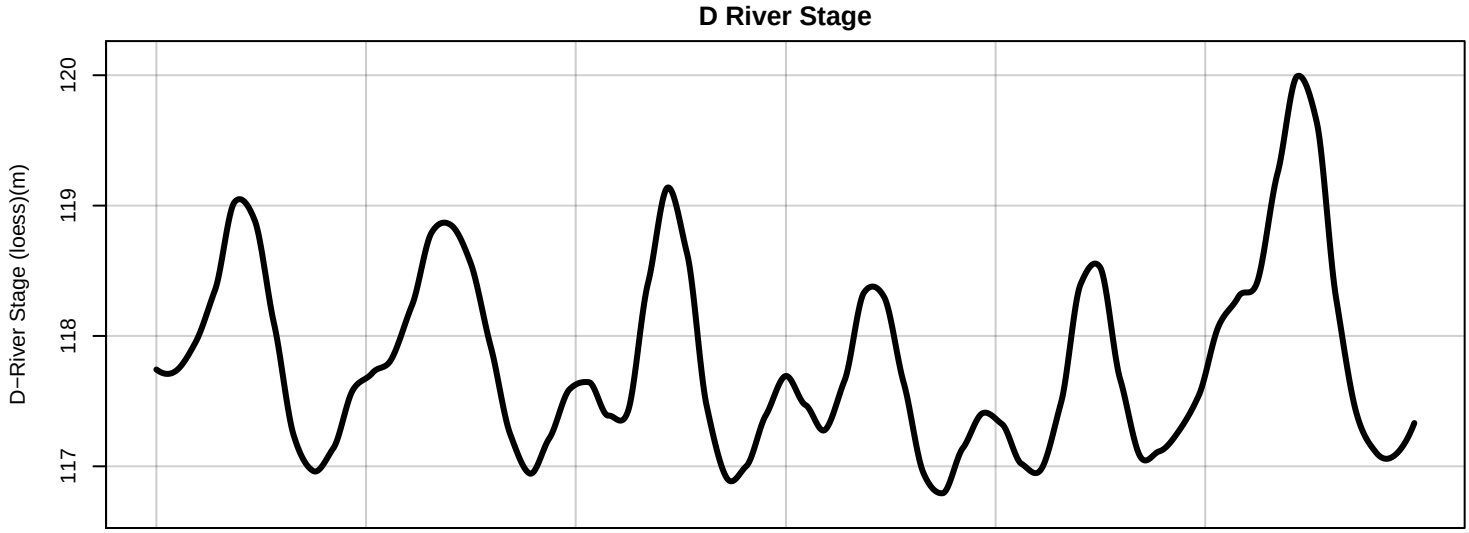


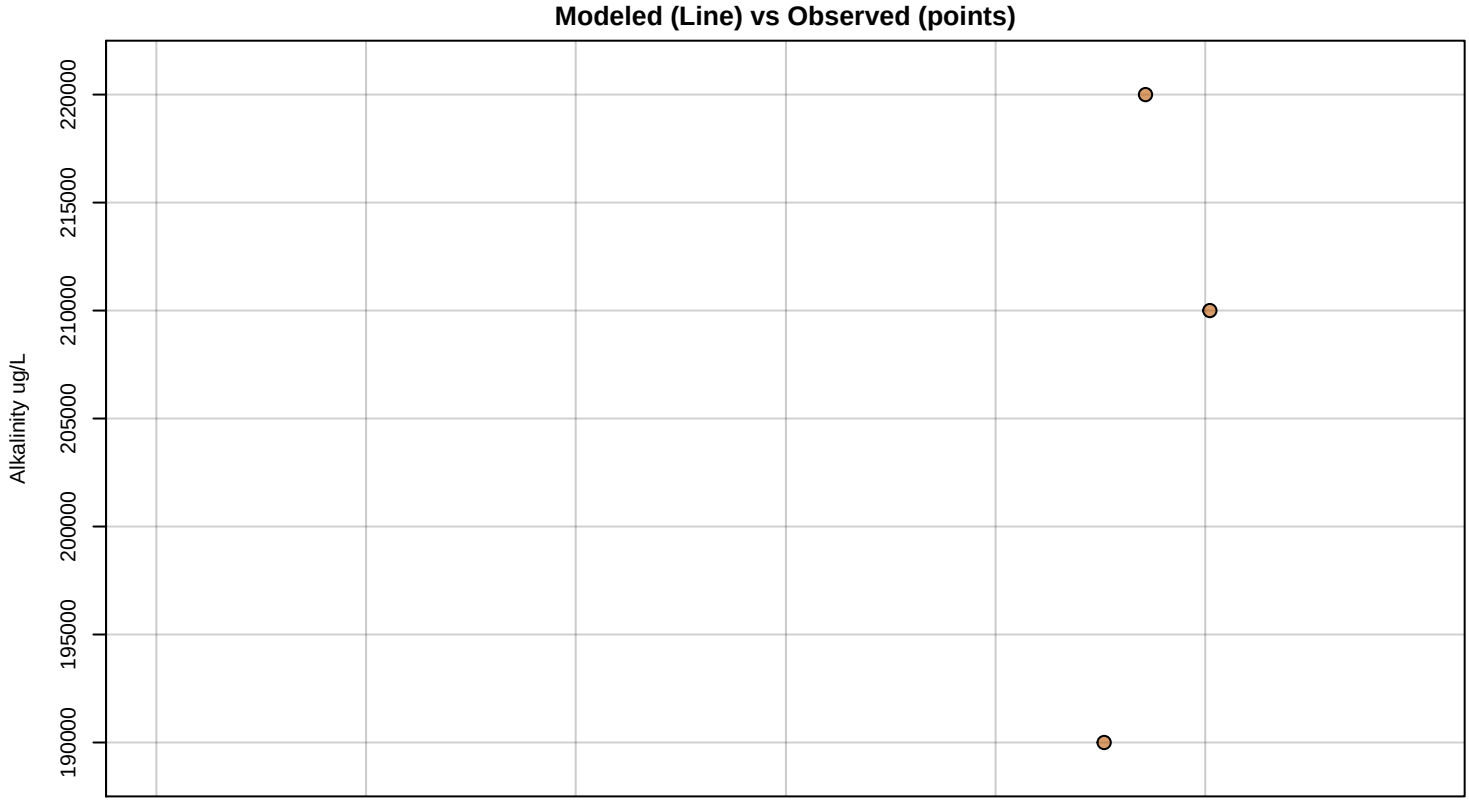


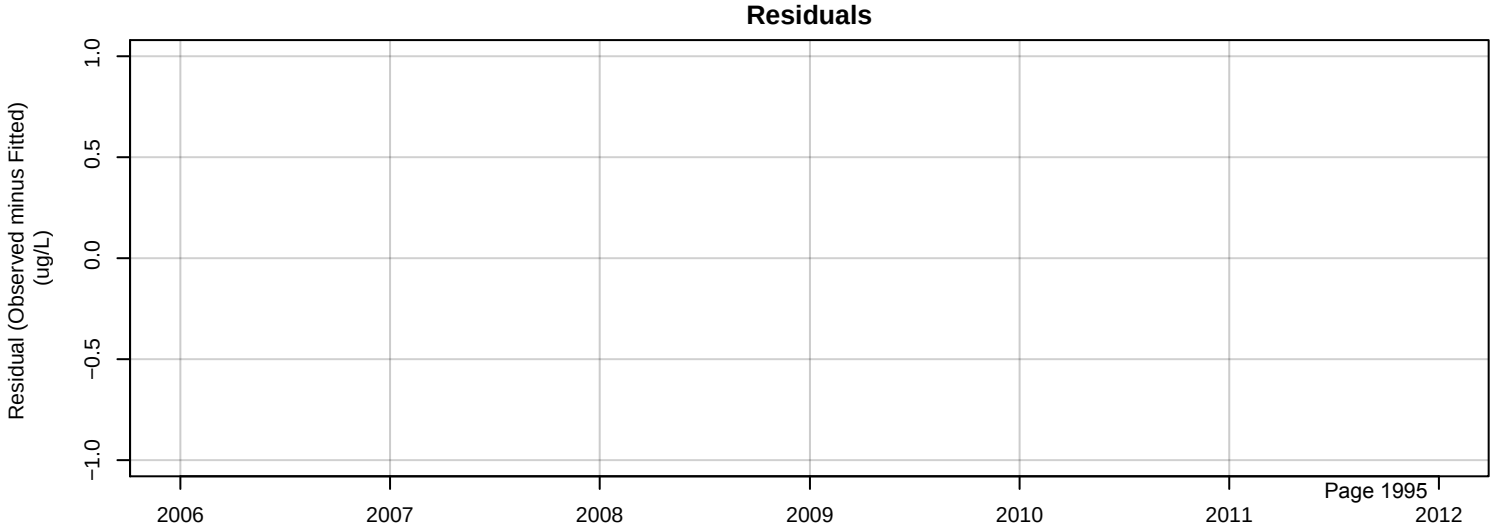


199−N−19 (47m) Lag (19 Days)

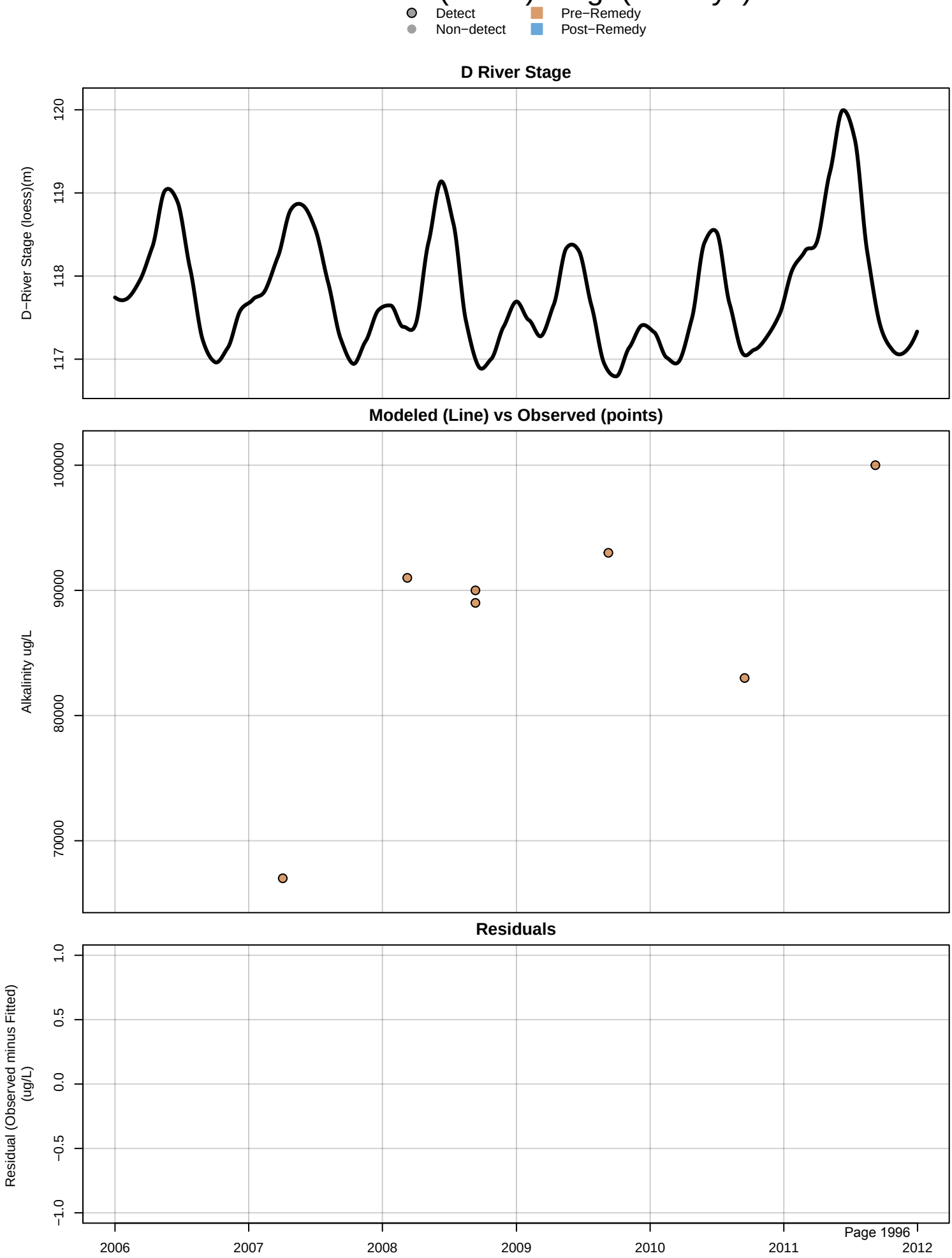
Detect
Non−detect
Pre−Remedy
Post−Remedy





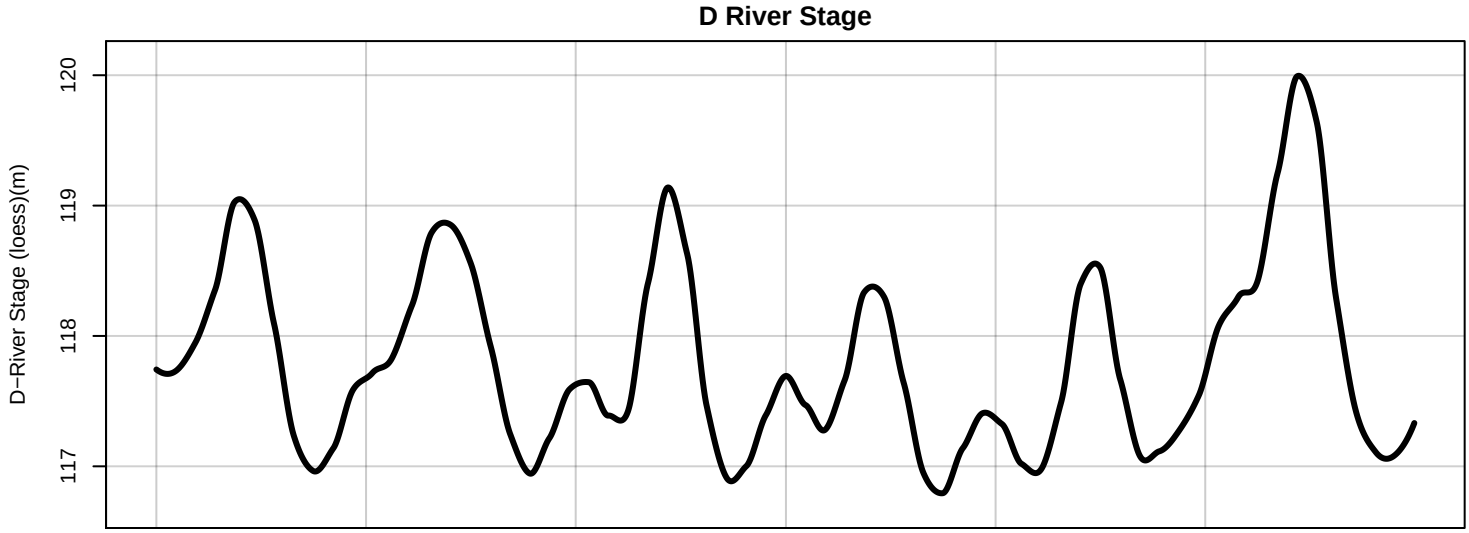


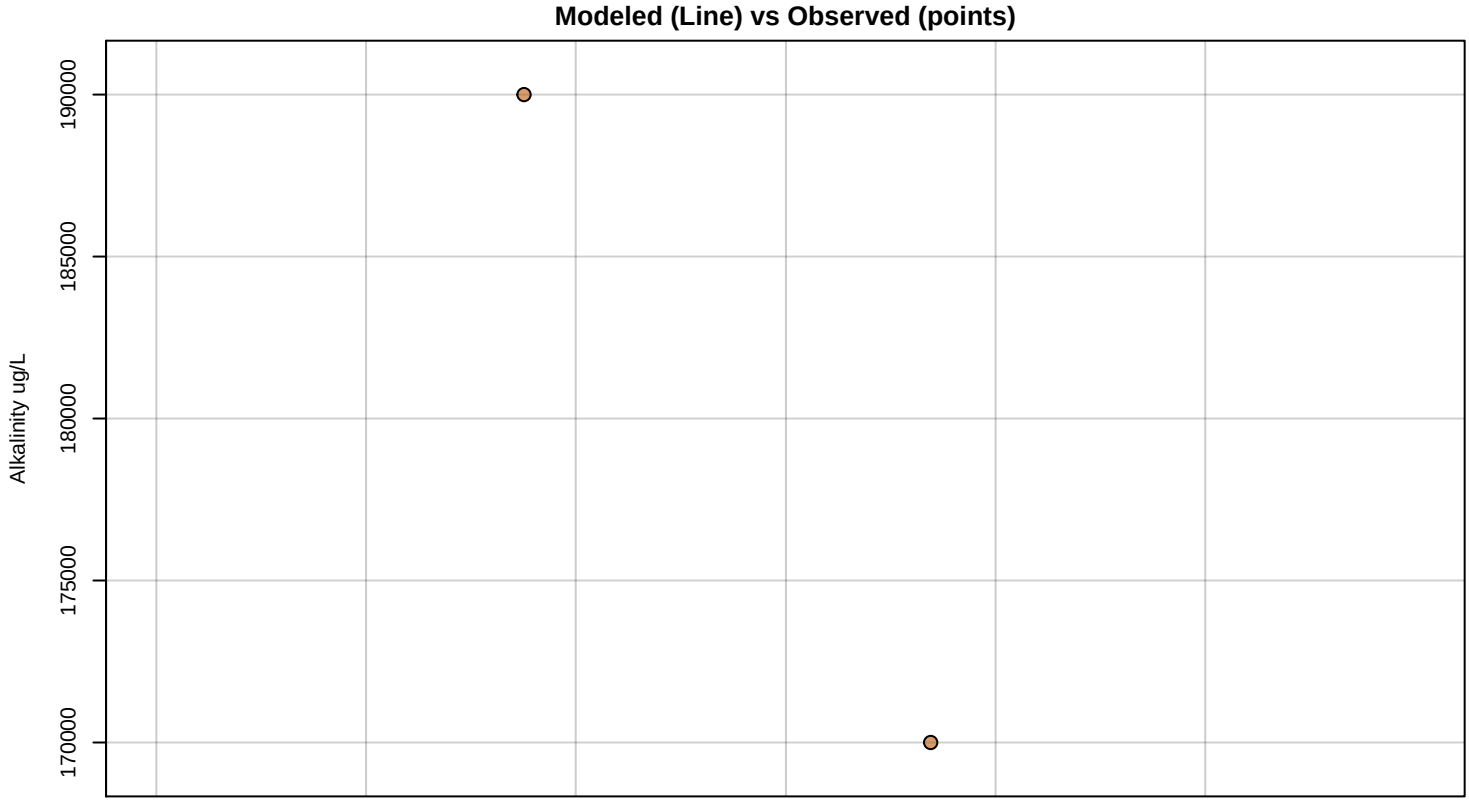
199−N−2 (163m) Lag (26 Days)

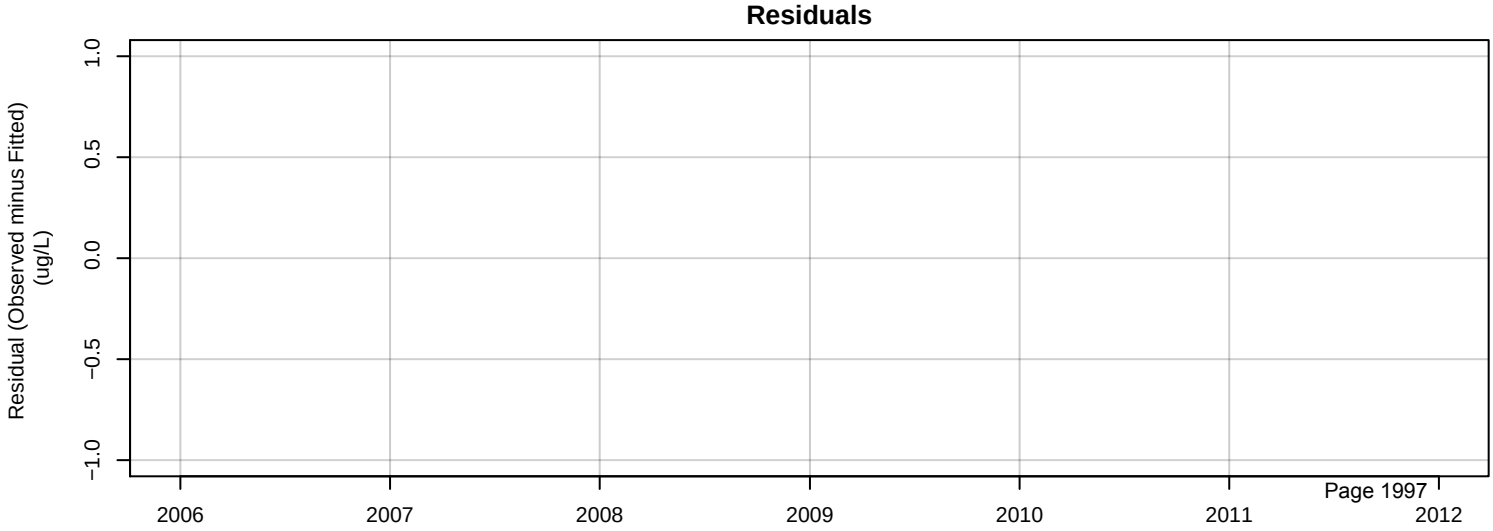


199−N−21 (57m) Lag (23 Days)

Detect
Non−detect
Pre−Remedy
Post−Remedy

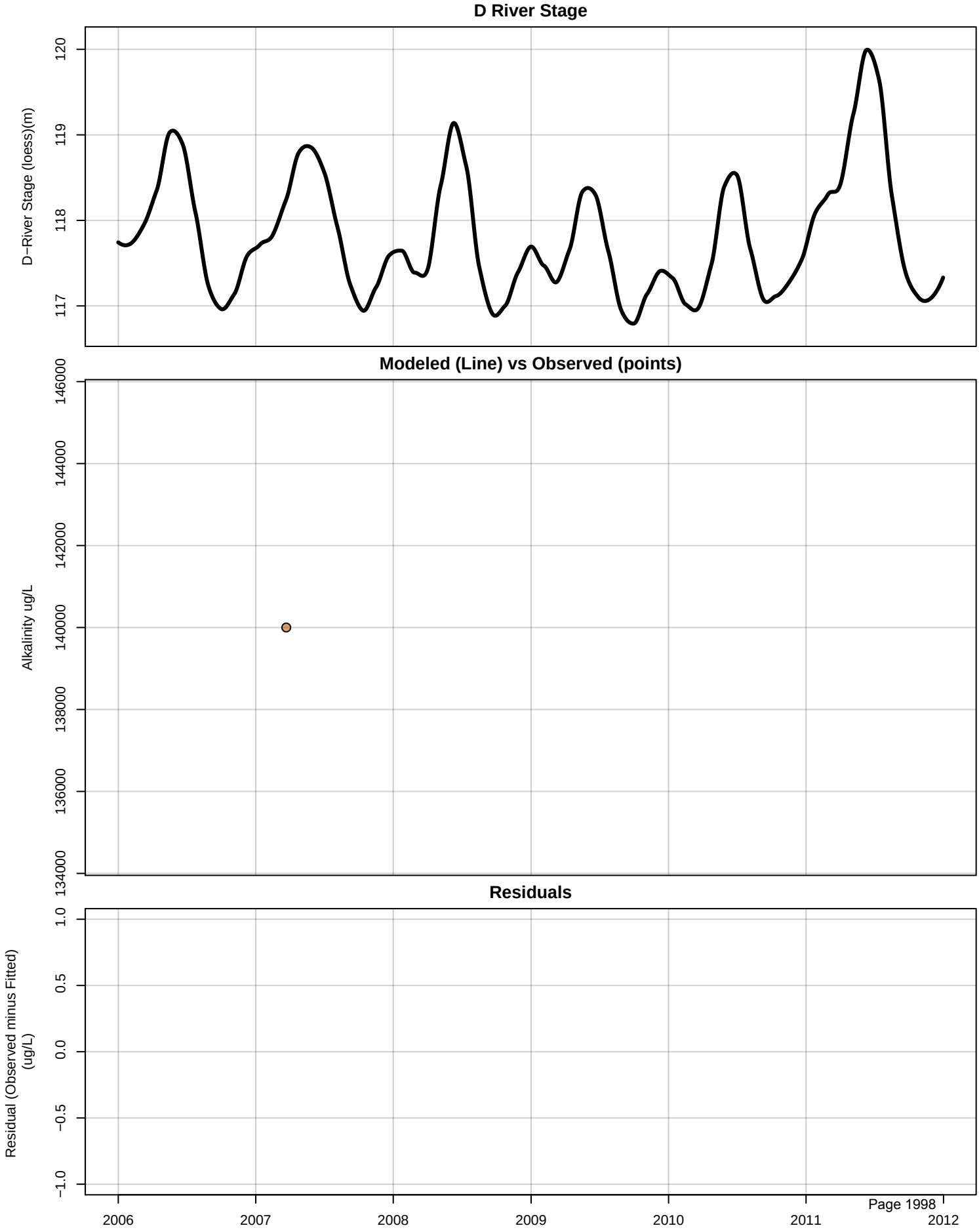






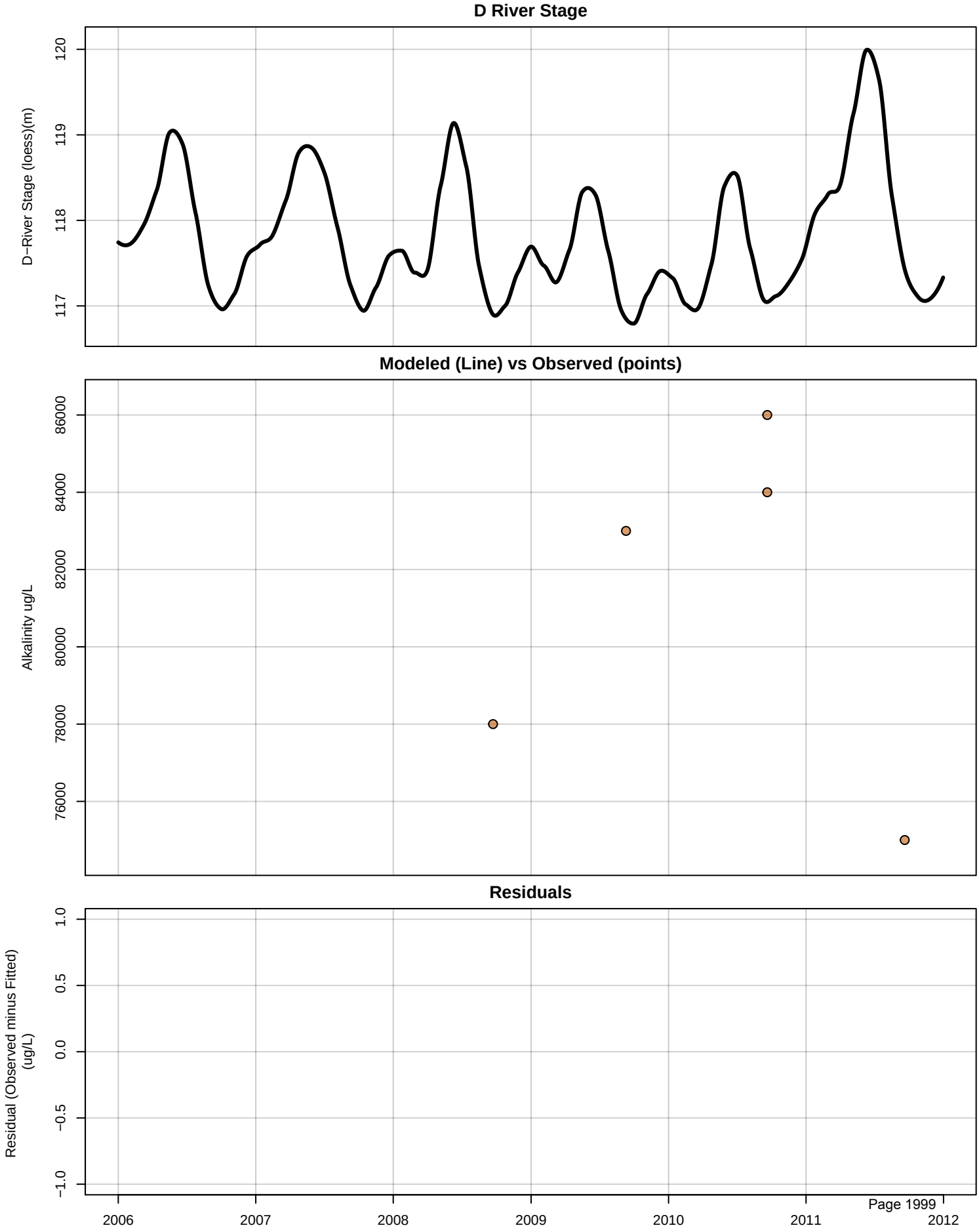
199−N−26 (69m) Lag (0 Days)

Detect
Non−detect
Pre−Remedy
Post−Remedy



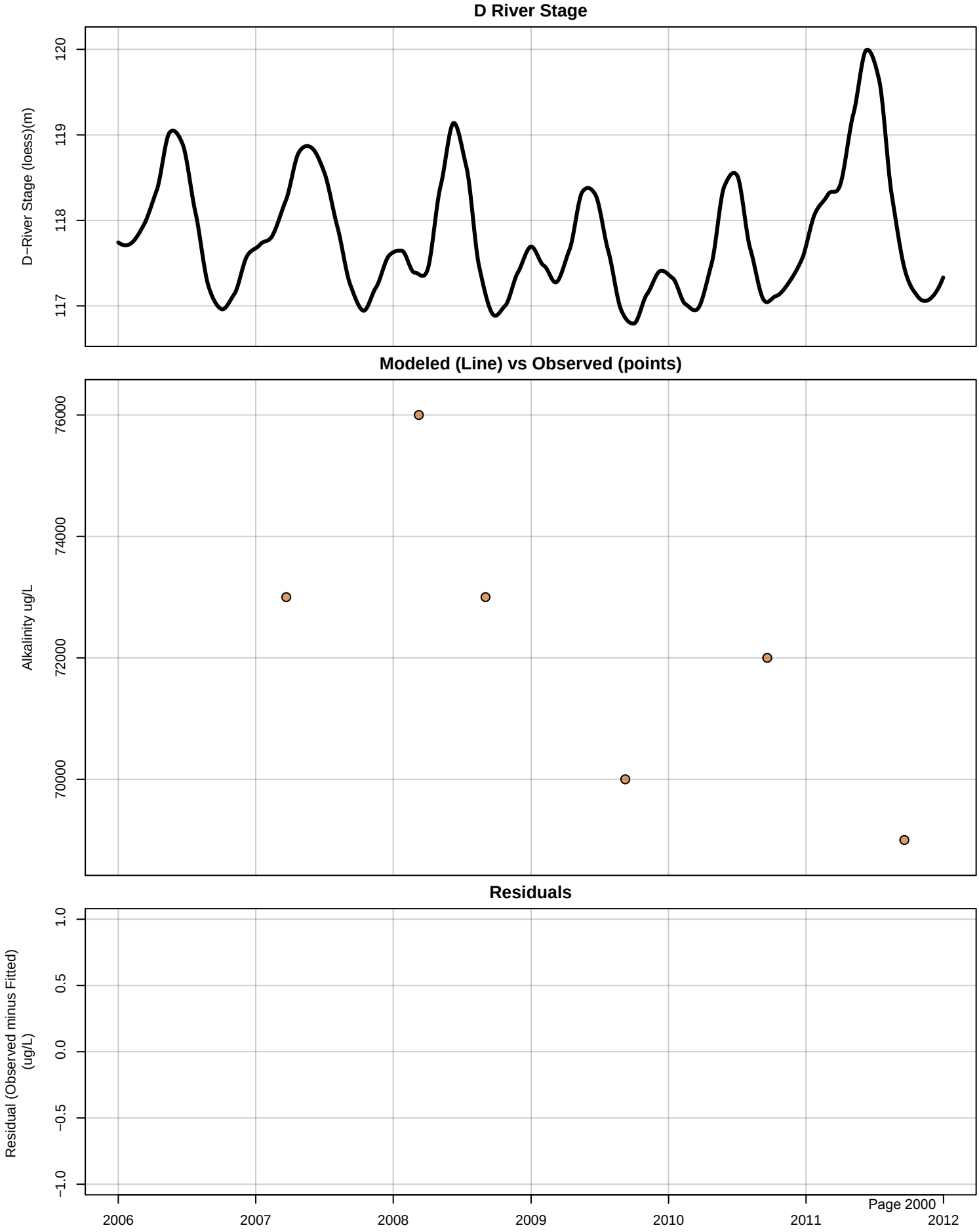
199−N−27 (745m) Lag (71 Days)

Detect
Non−detect
Pre−Remedy
Post−Remedy

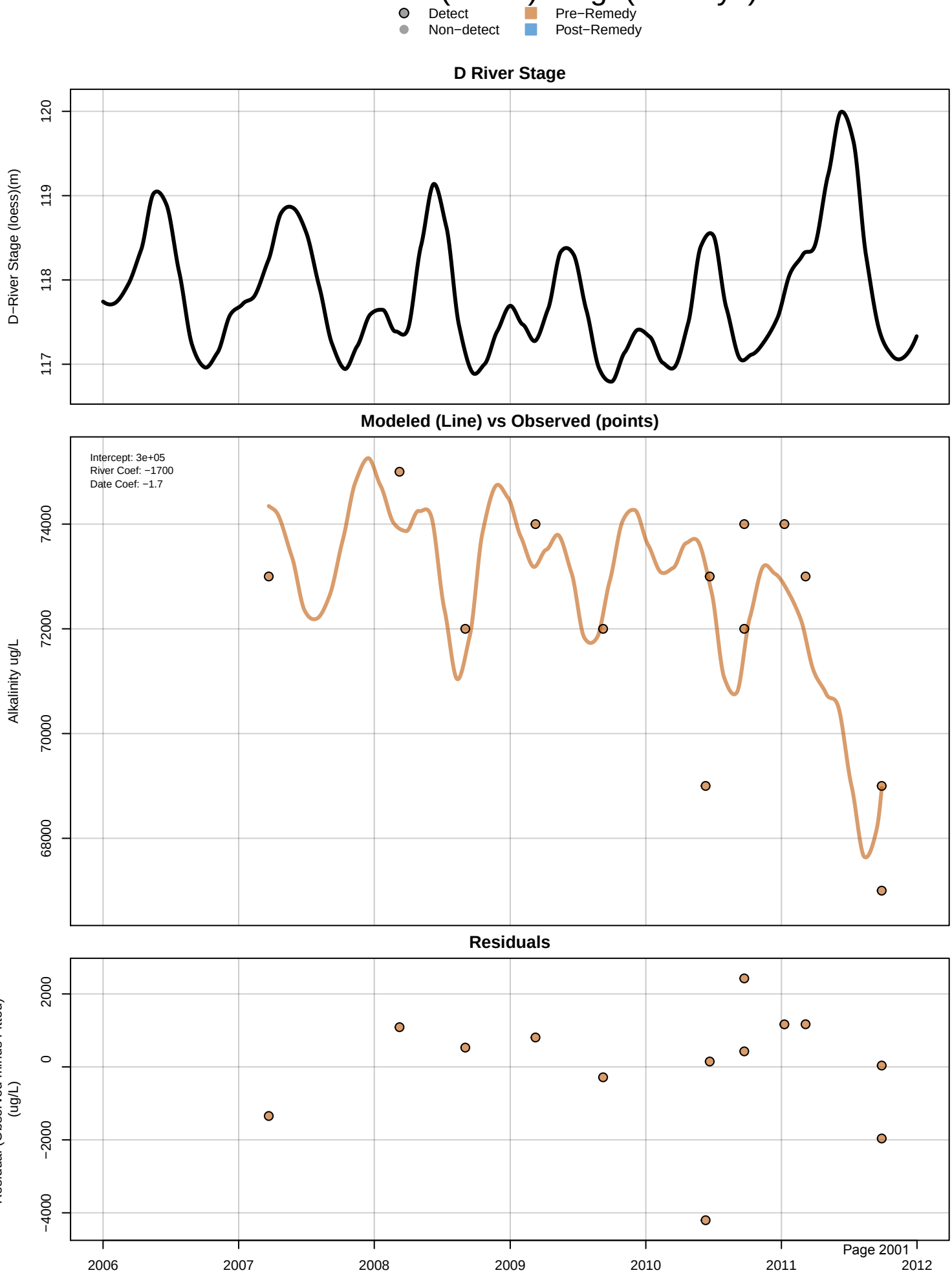


199−N−28 (774m) Lag (123 Days)

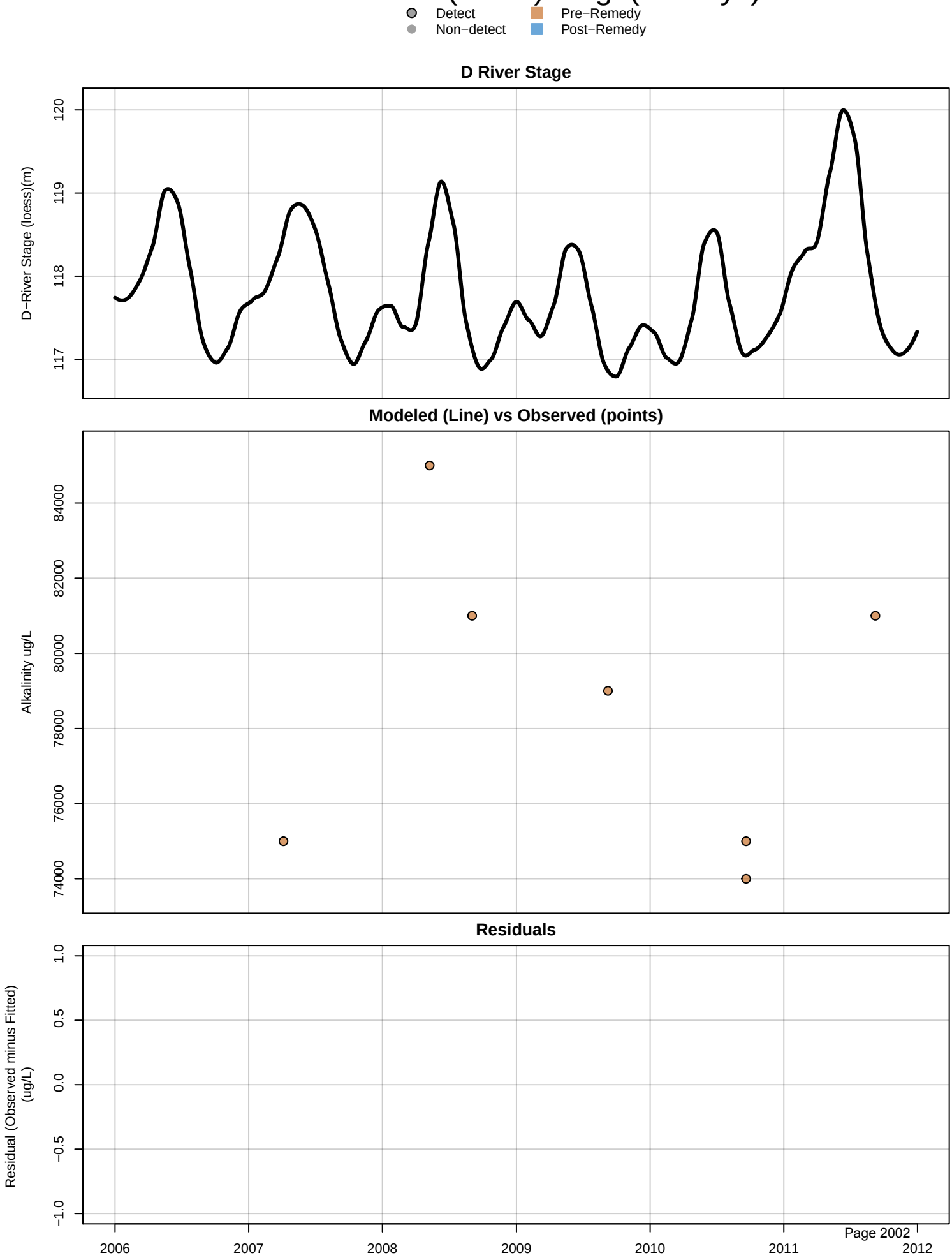
Detect
Non−detect
Pre−Remedy
Post−Remedy



199−N−32 (597m) Lag (63 Days)

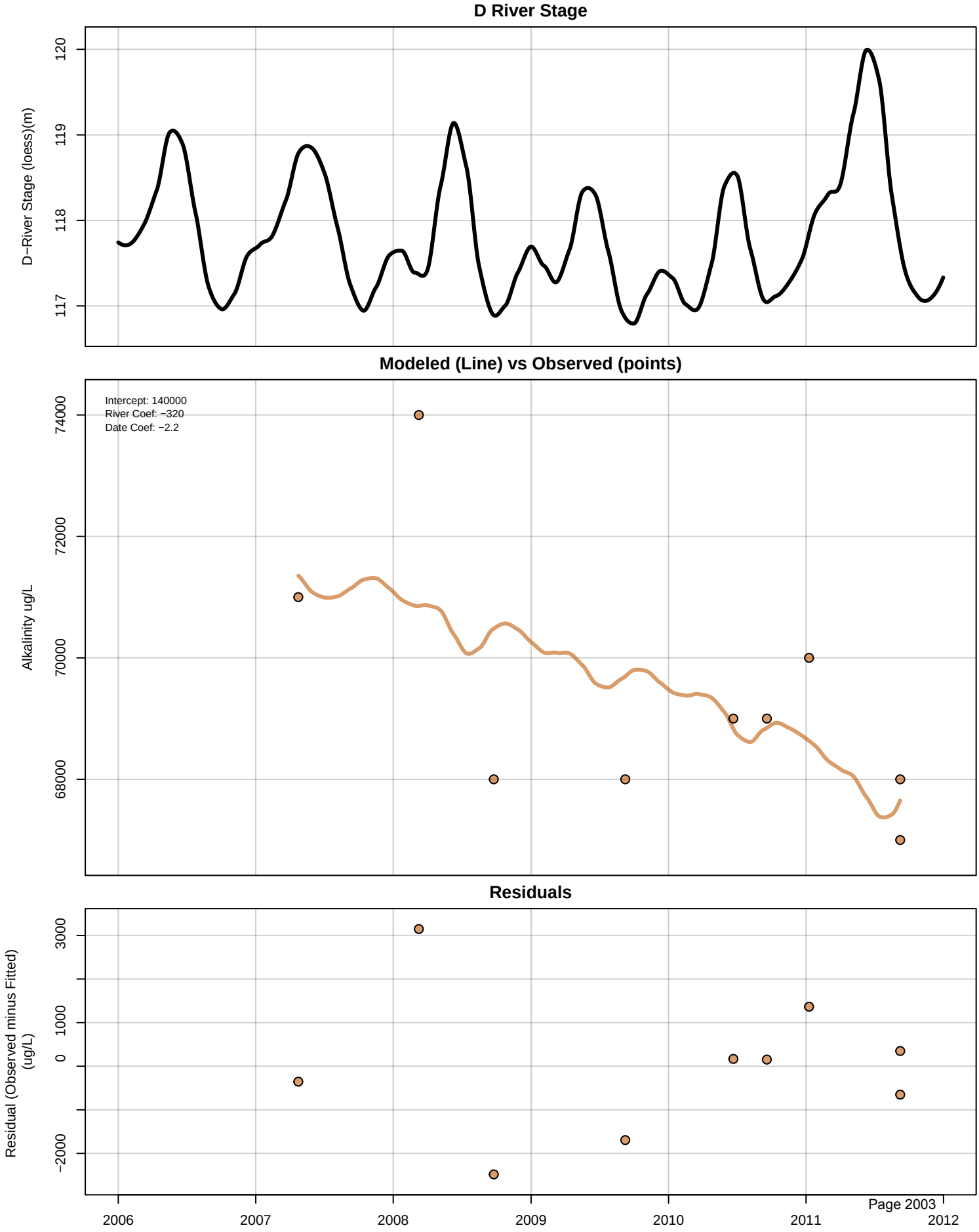


199−N−34 (493m) Lag (51 Days)



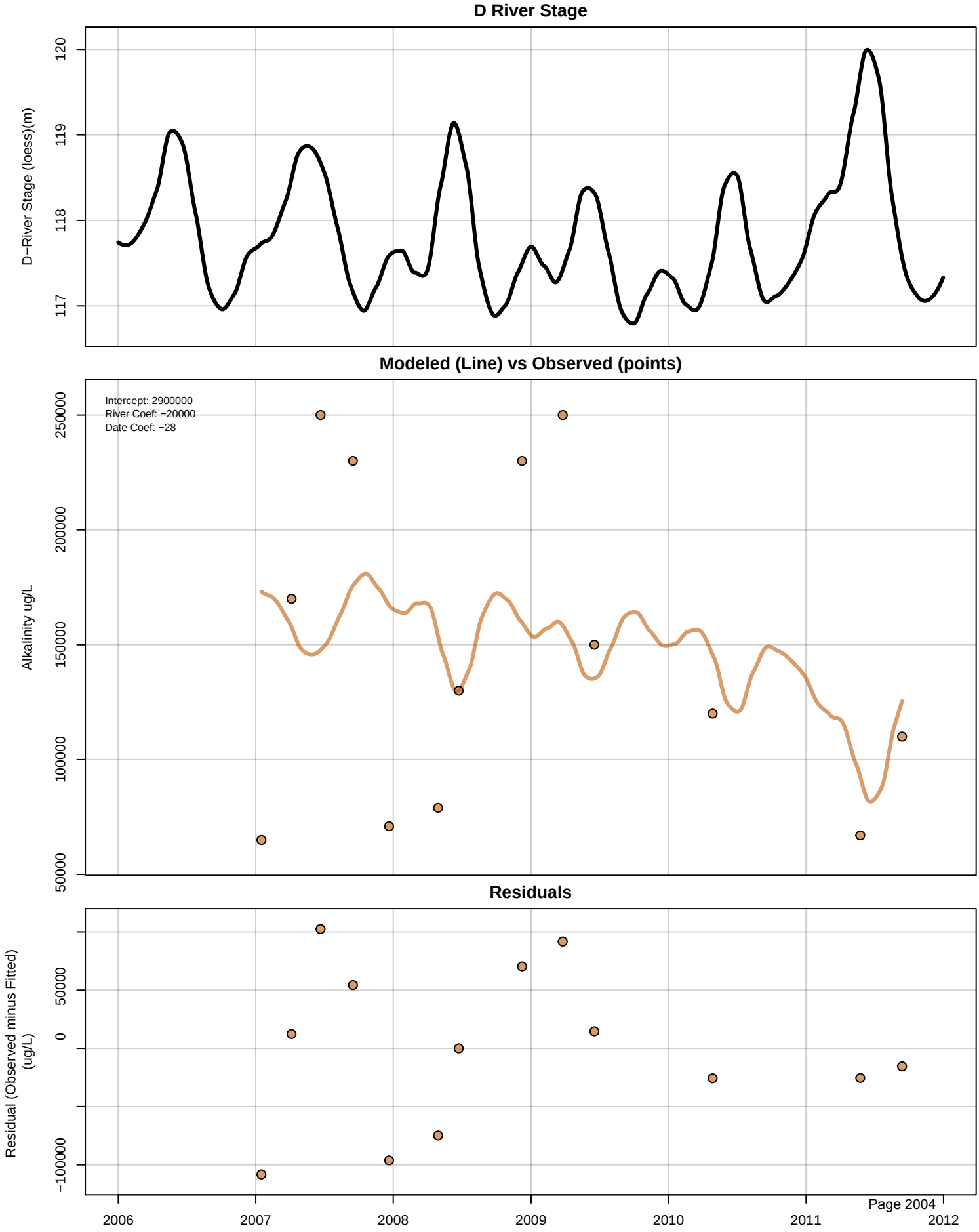
199−N−41 (679m) Lag (35 Days)

Detect
Non−detect
Pre−Remedy
Post−Remedy

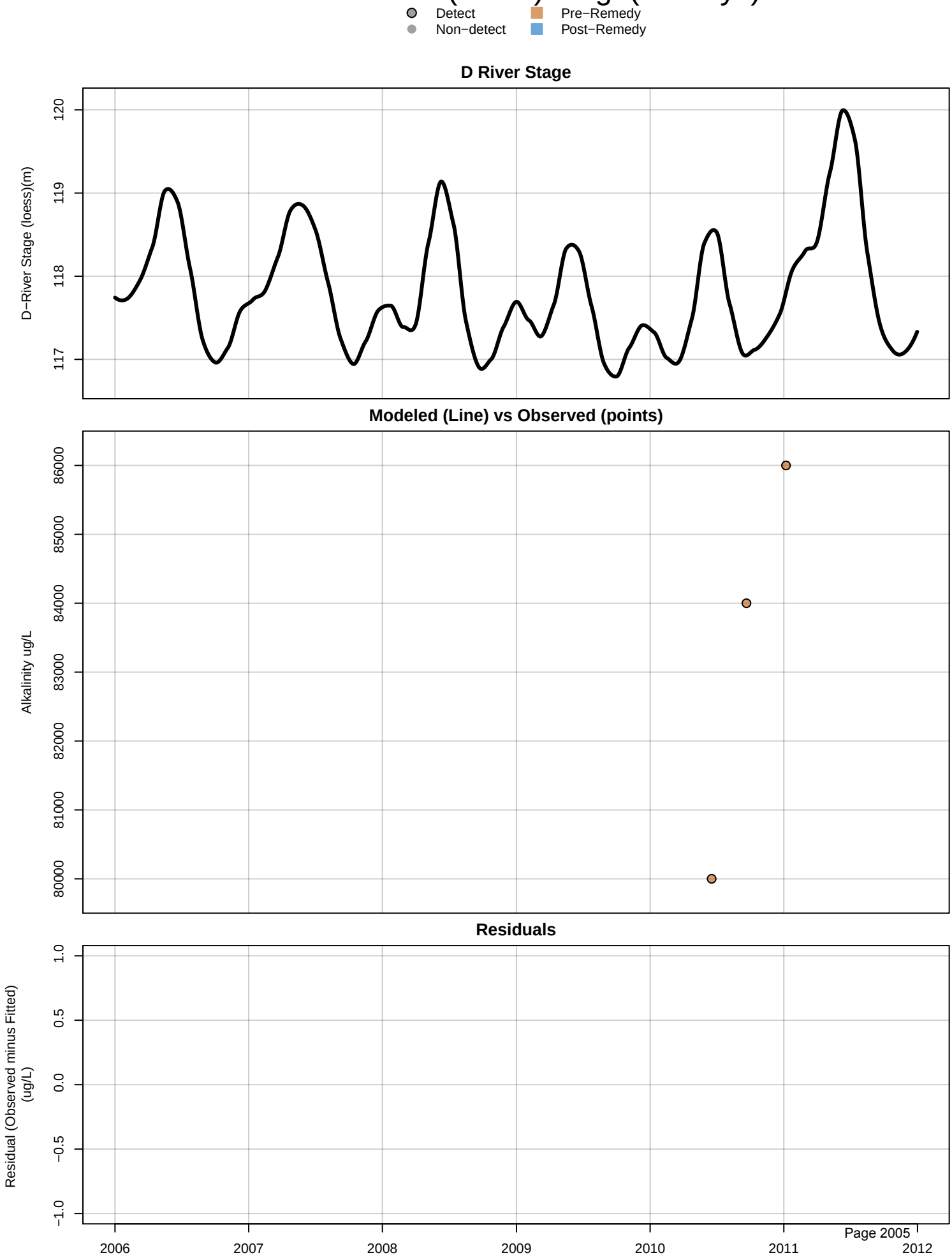


199−N−46 (14m) Lag (7 Days)

Detect
Non−detect
Pre−Remedy
Post−Remedy

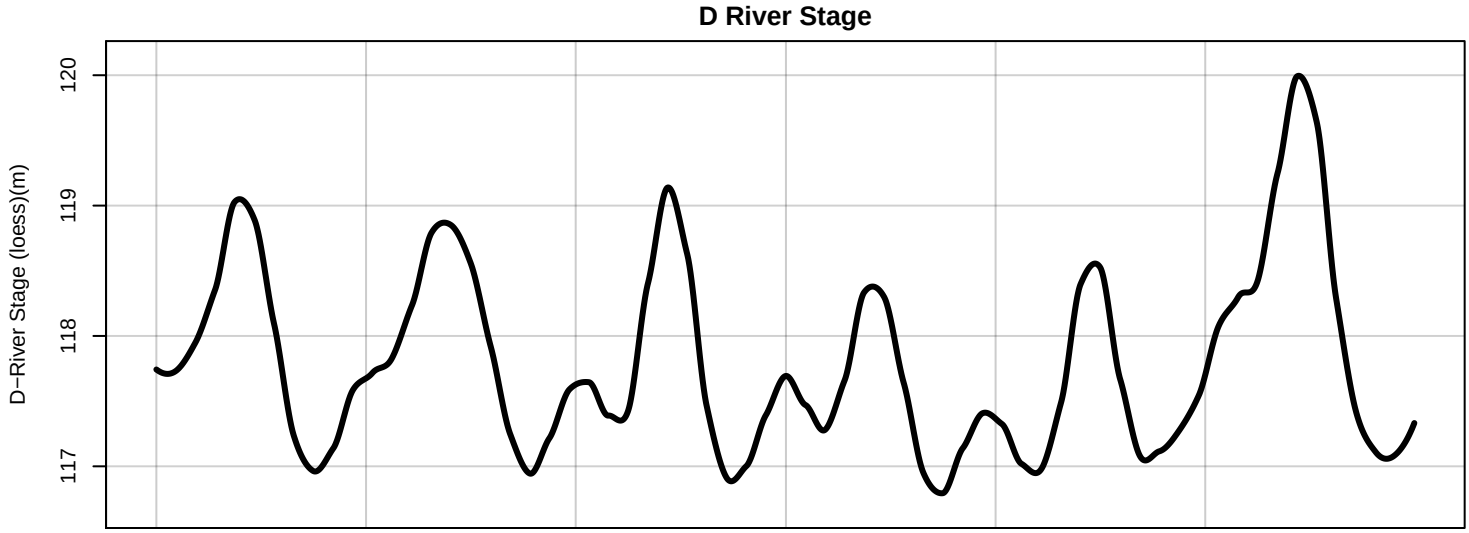


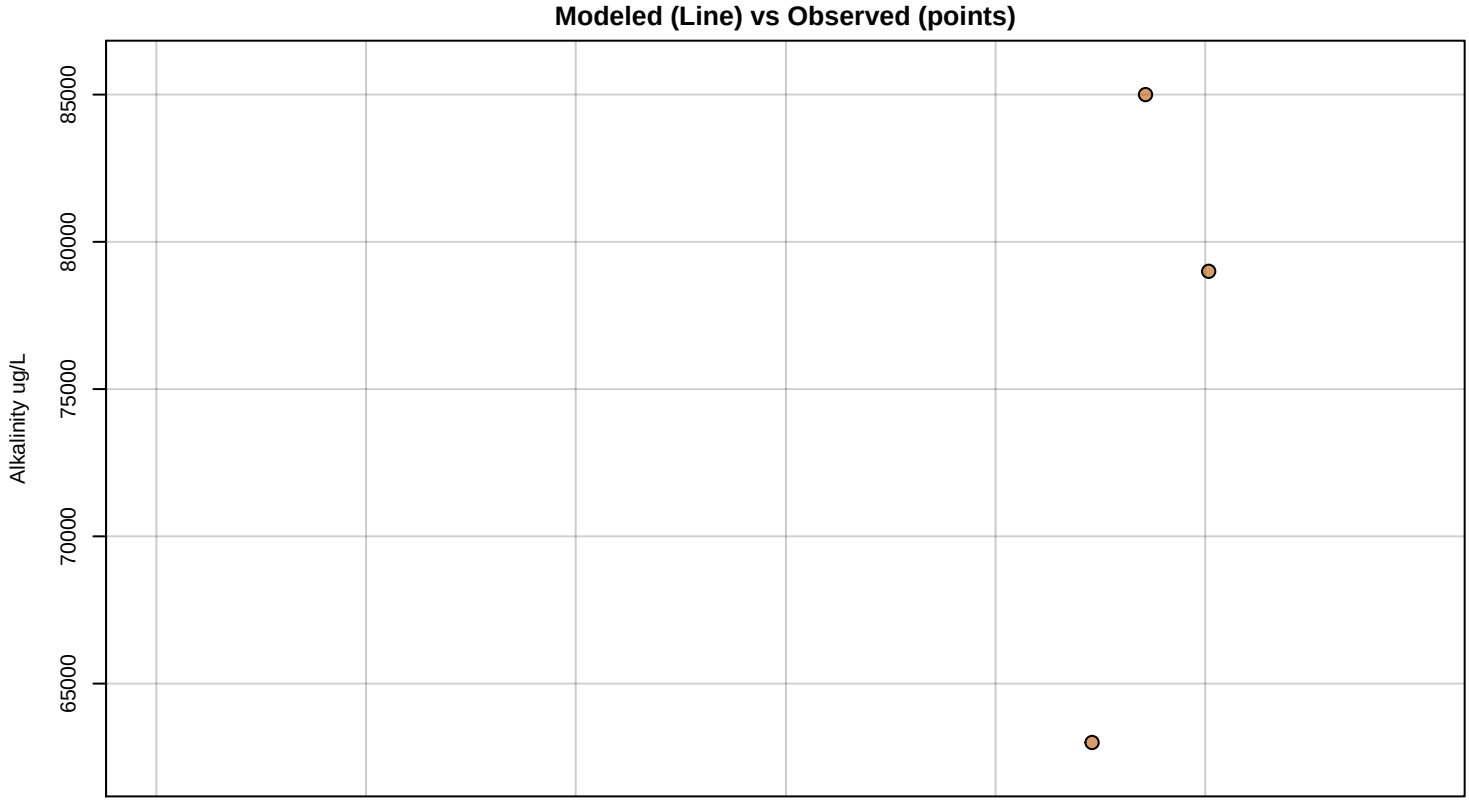
199−N−50 (414m) Lag (16 Days)

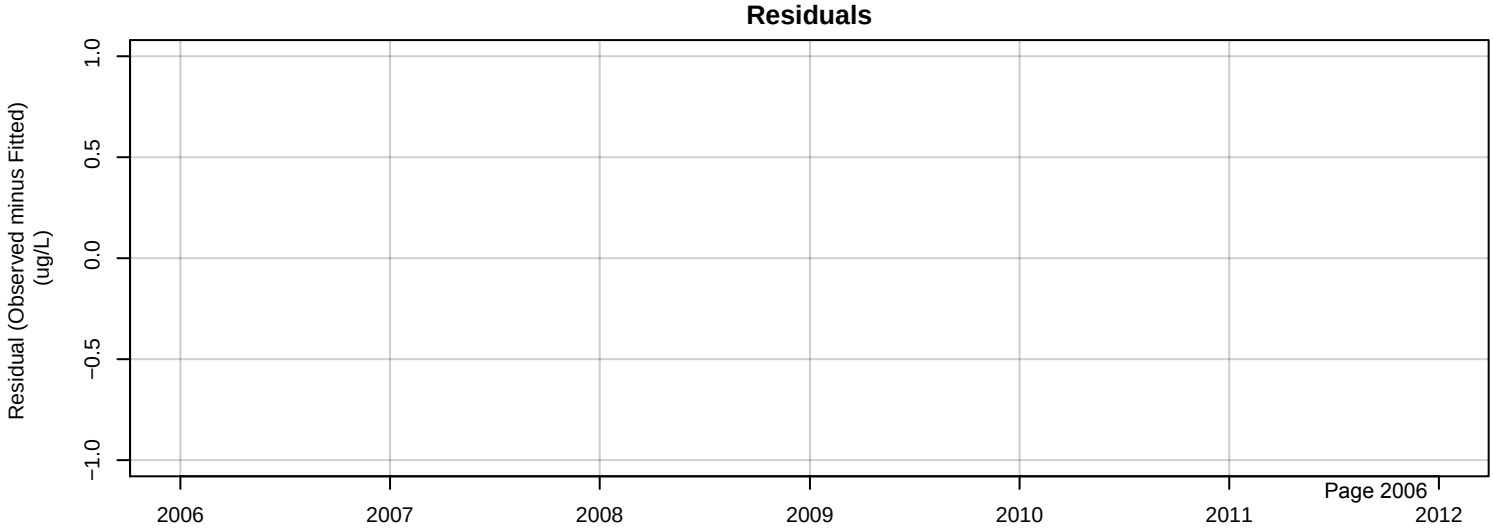


199−N−51 (65m) Lag (18 Days)

Detect
Non−detect
Pre−Remedy
Post−Remedy

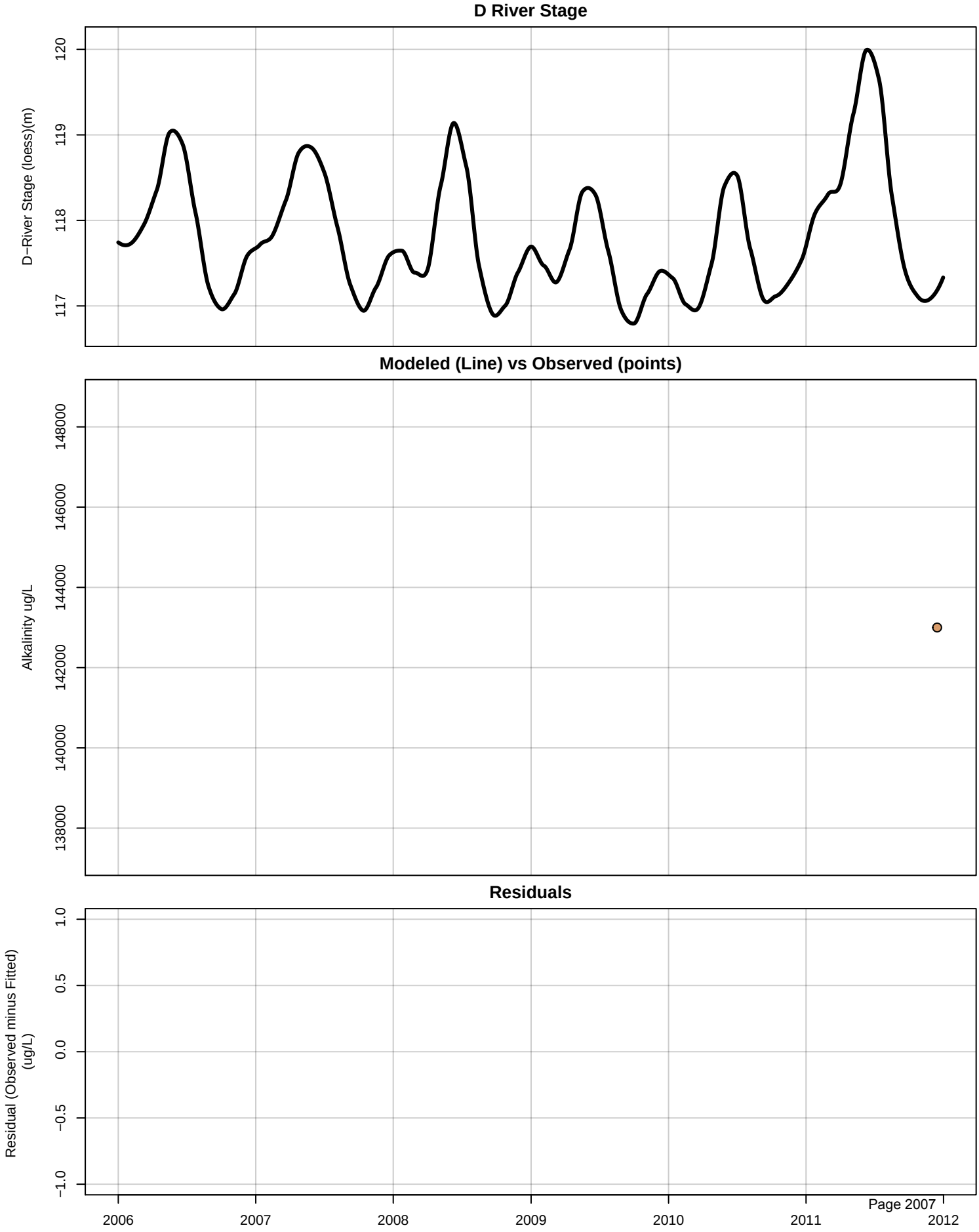






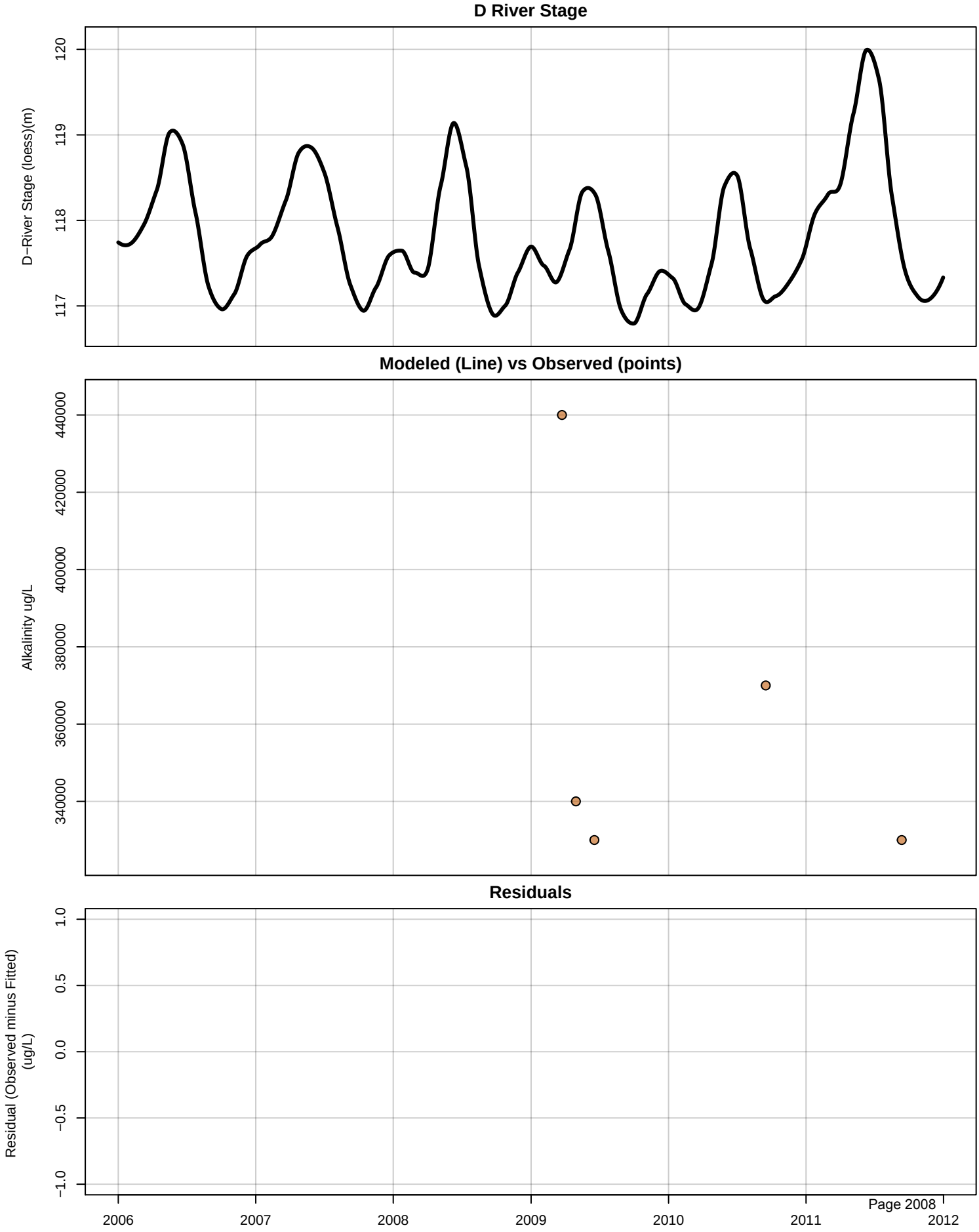
199−N−52 (1060m) Lag (89 Days)

Detect
Non−detect
Pre−Remedy
Post−Remedy



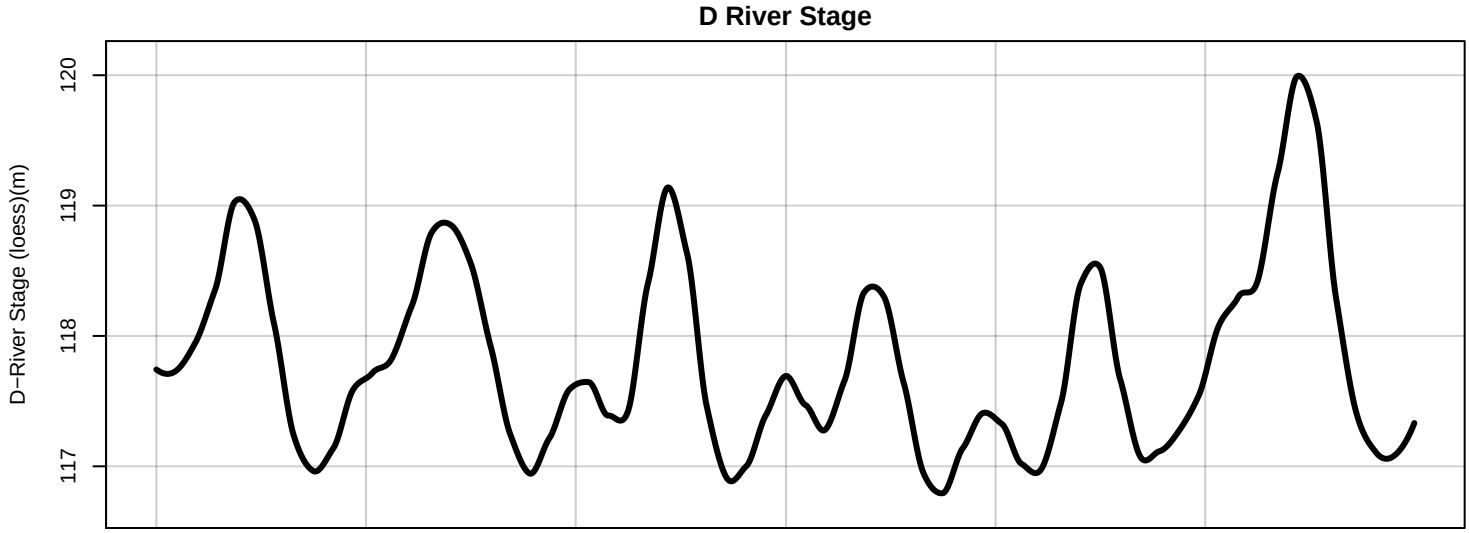
199−N−56 (193m) Lag (32 Days)

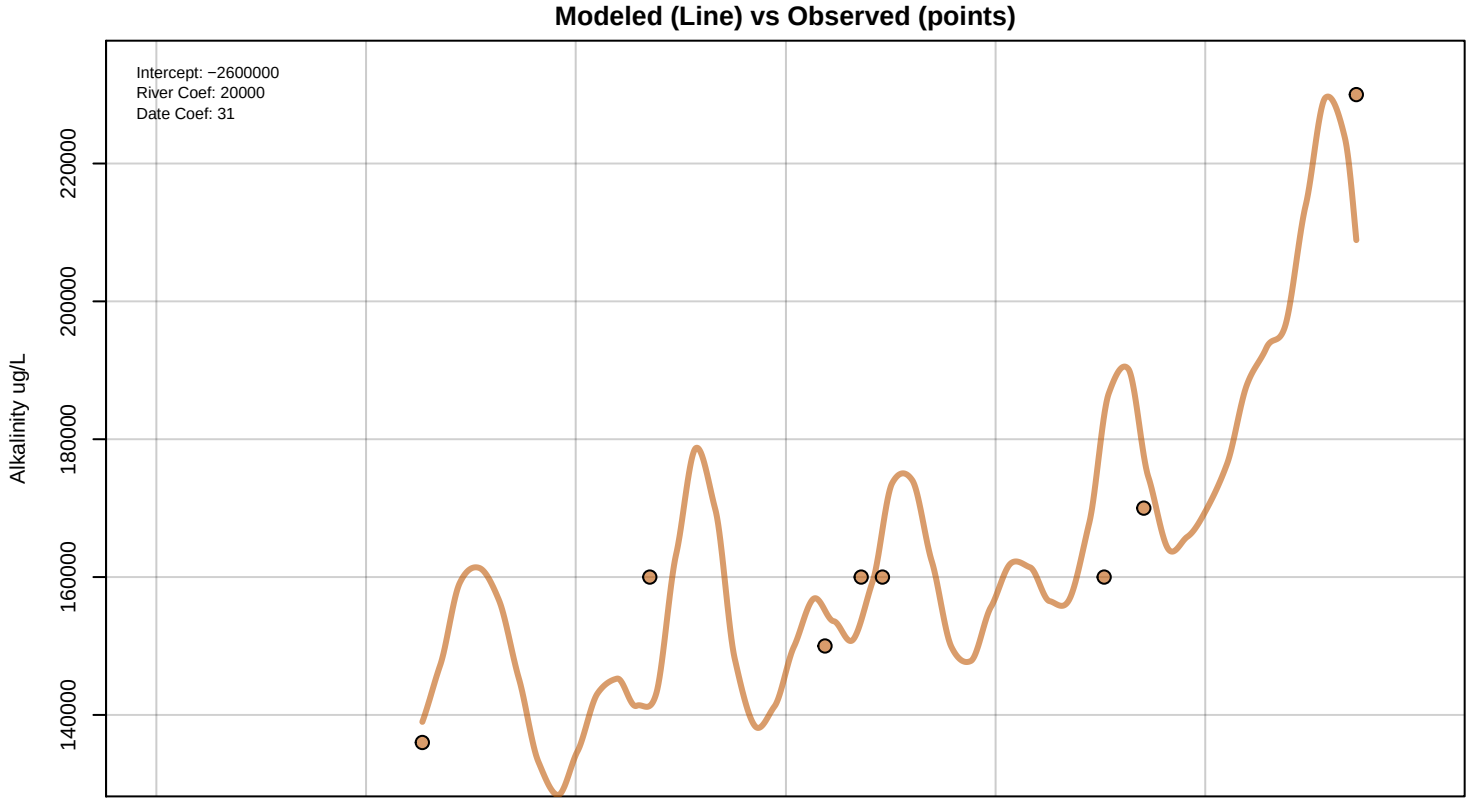
Detect
Non−detect
Pre−Remedy
Post−Remedy

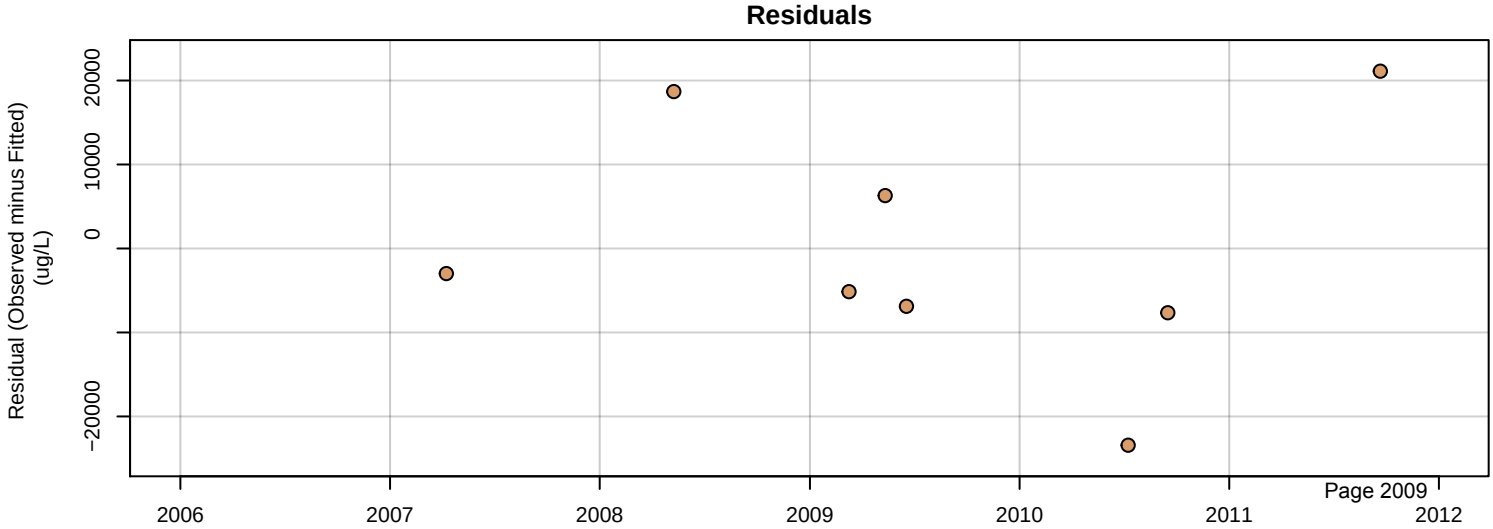


199−N−57 (301m) Lag (49 Days)

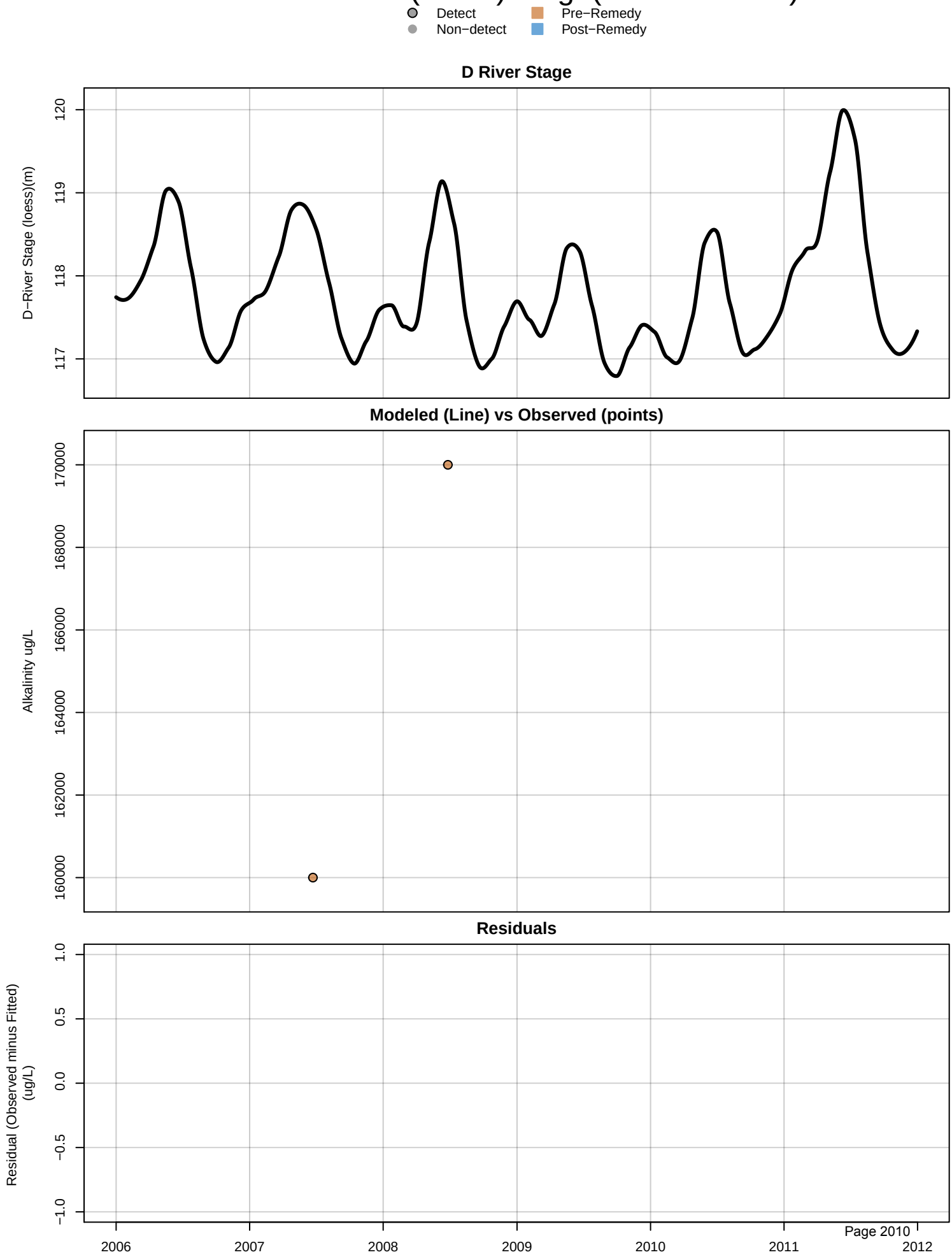
Detect
Non−detect
Pre−Remedy
Post−Remedy



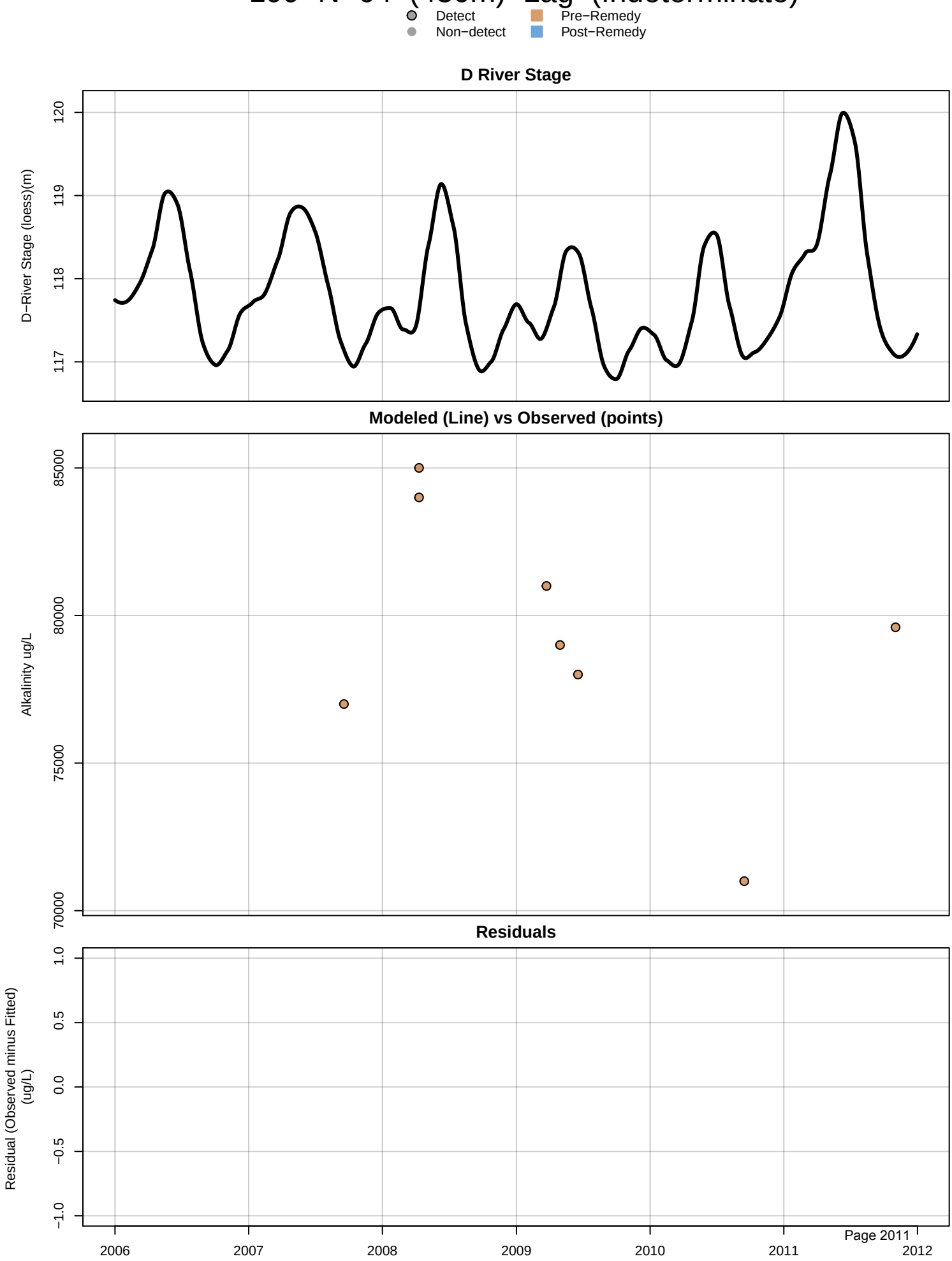




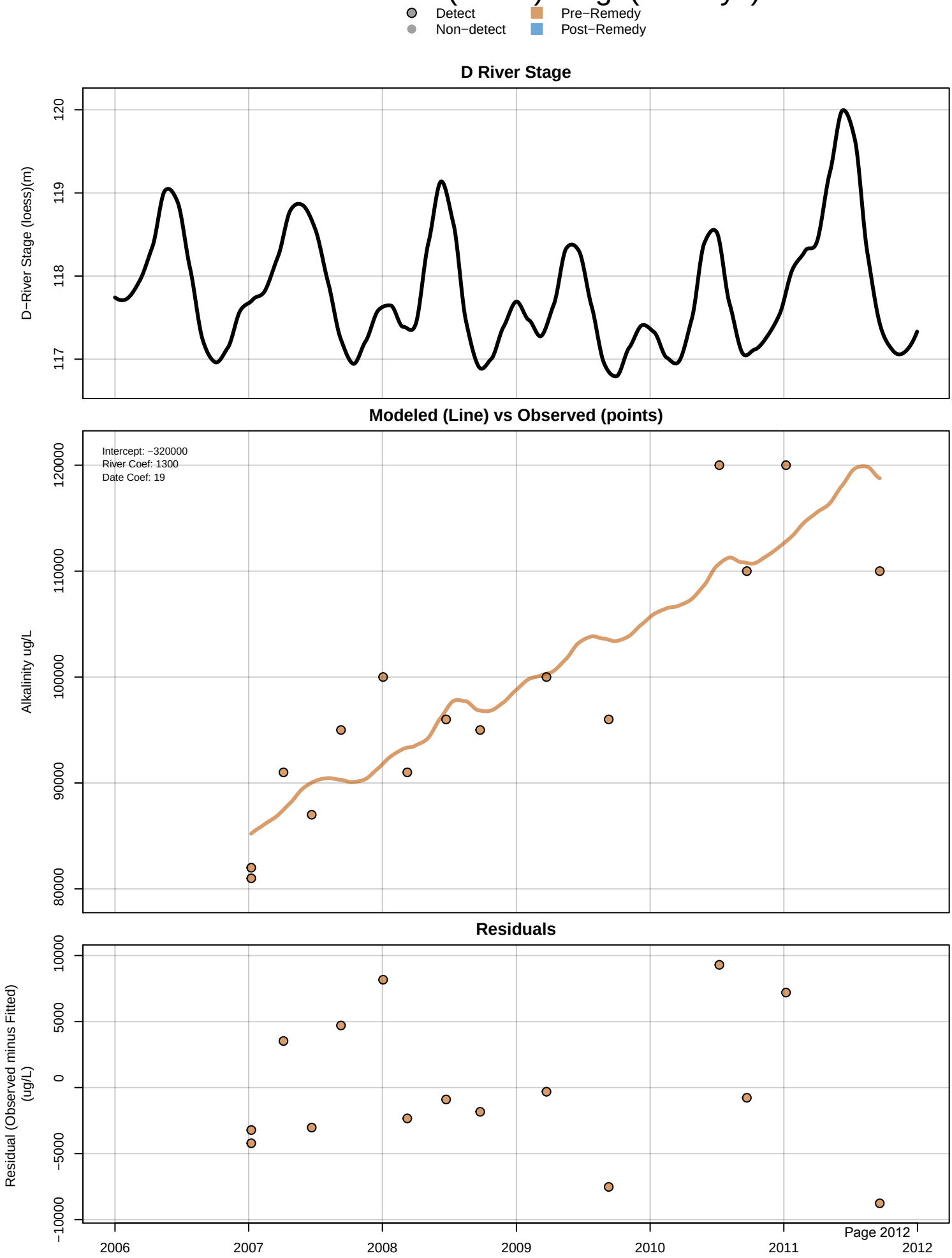
199−N−59 (394m) Lag (Indeterminate)



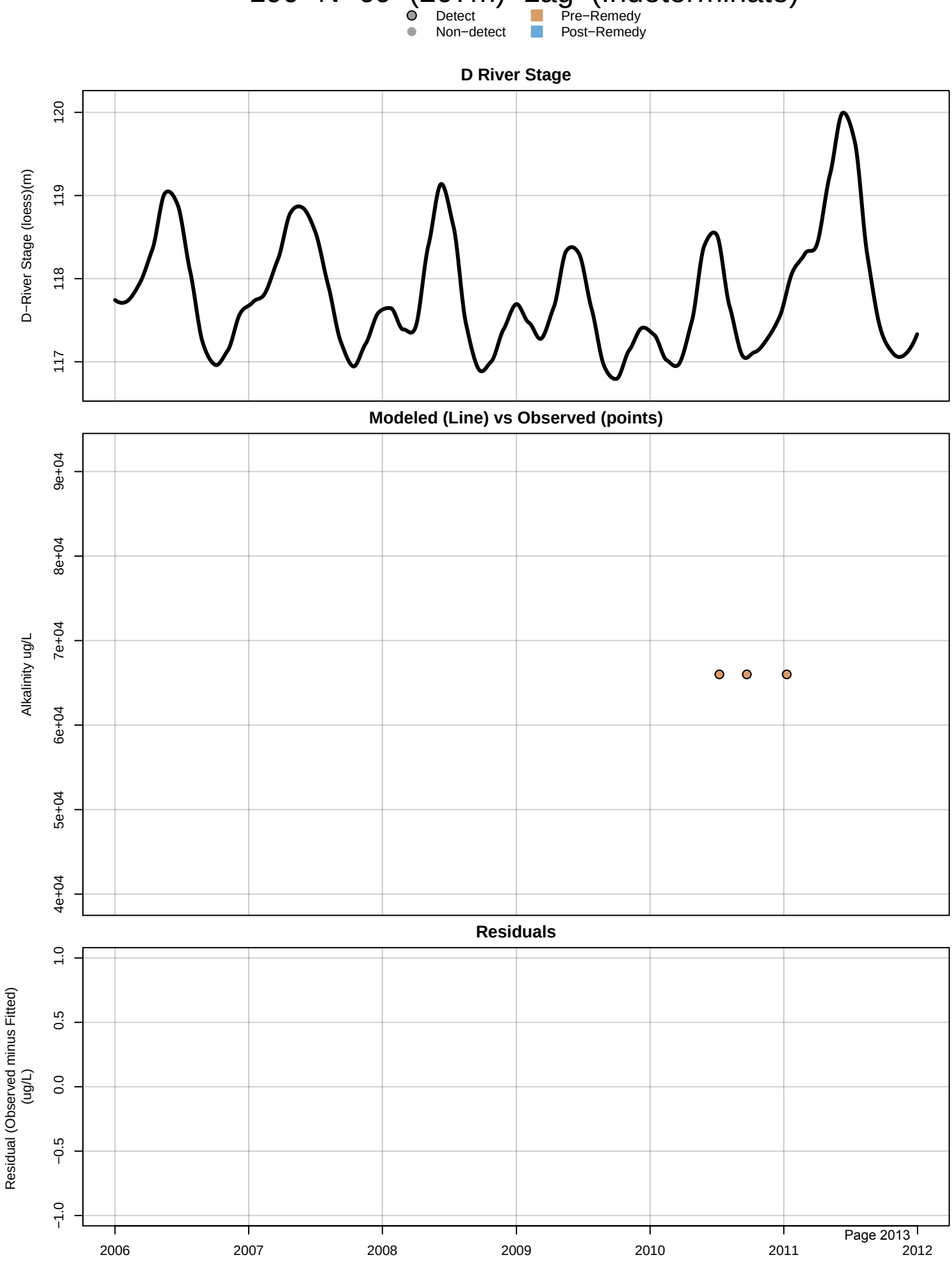
199−N−64 (430m) Lag (Indeterminate)



199−N−67 (219m) Lag (33 Days)

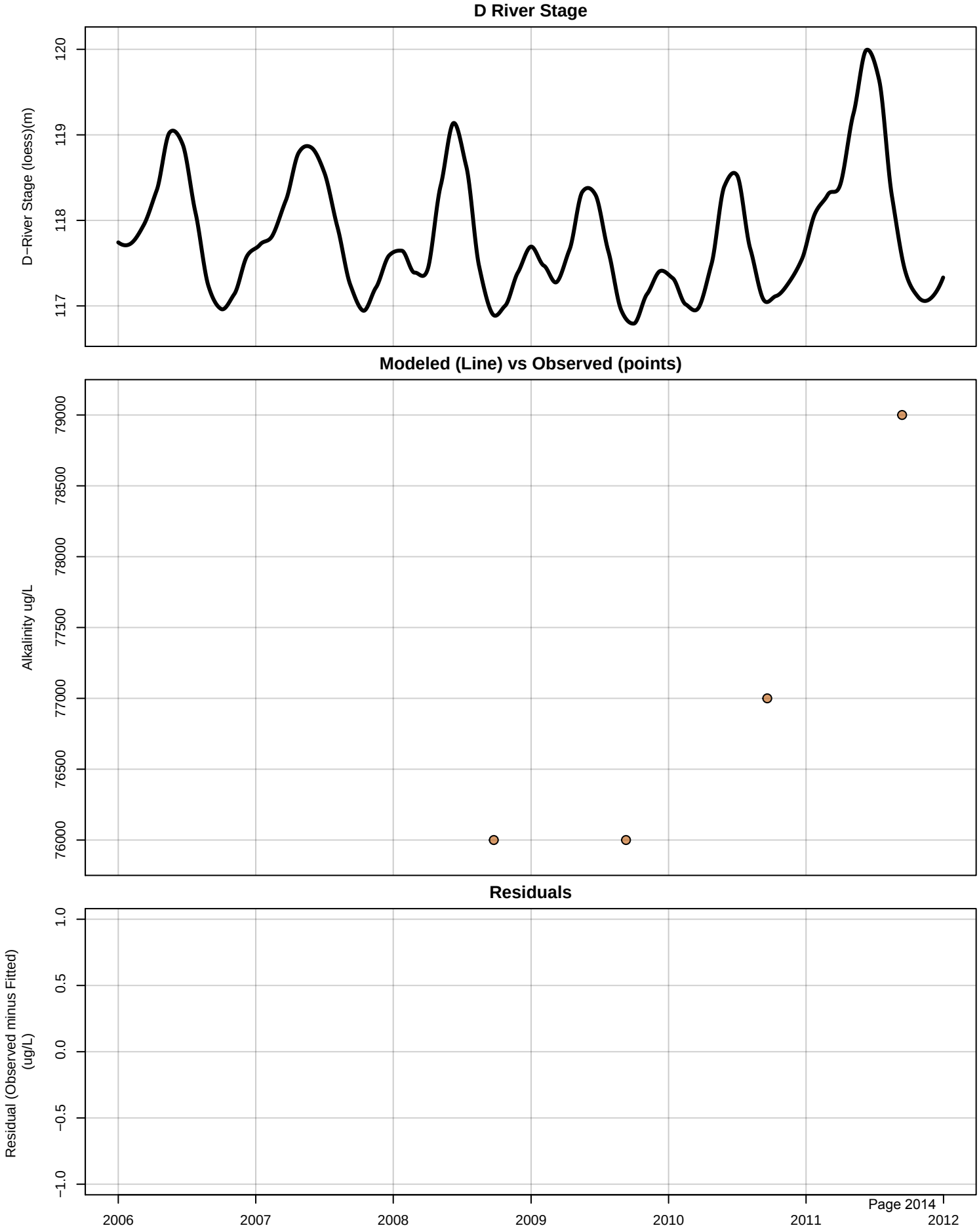


199−N−69 (207m) Lag (Indeterminate)

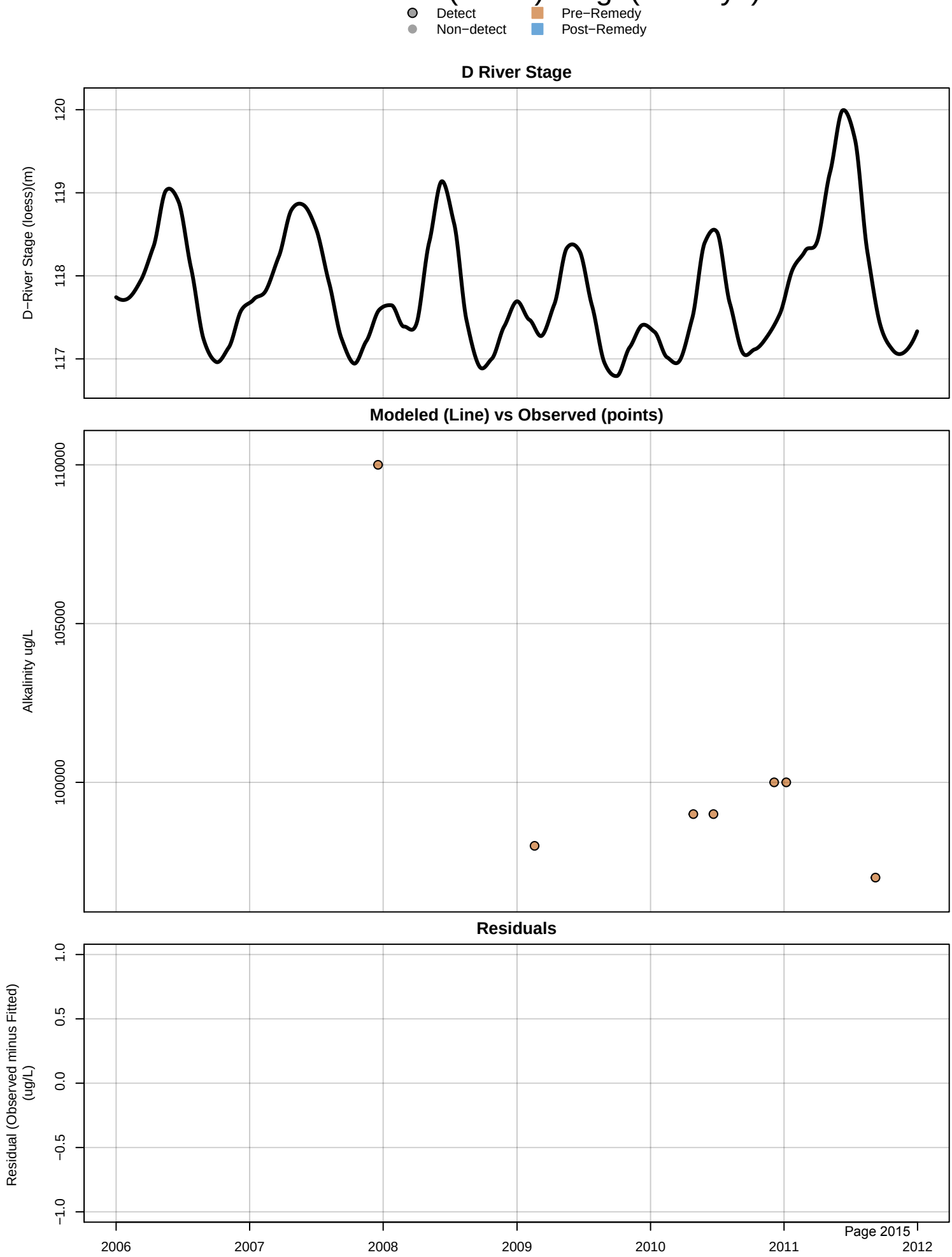


199−N−70 (614m) Lag (56 Days)

Detect
Non−detect
Pre−Remedy
Post−Remedy

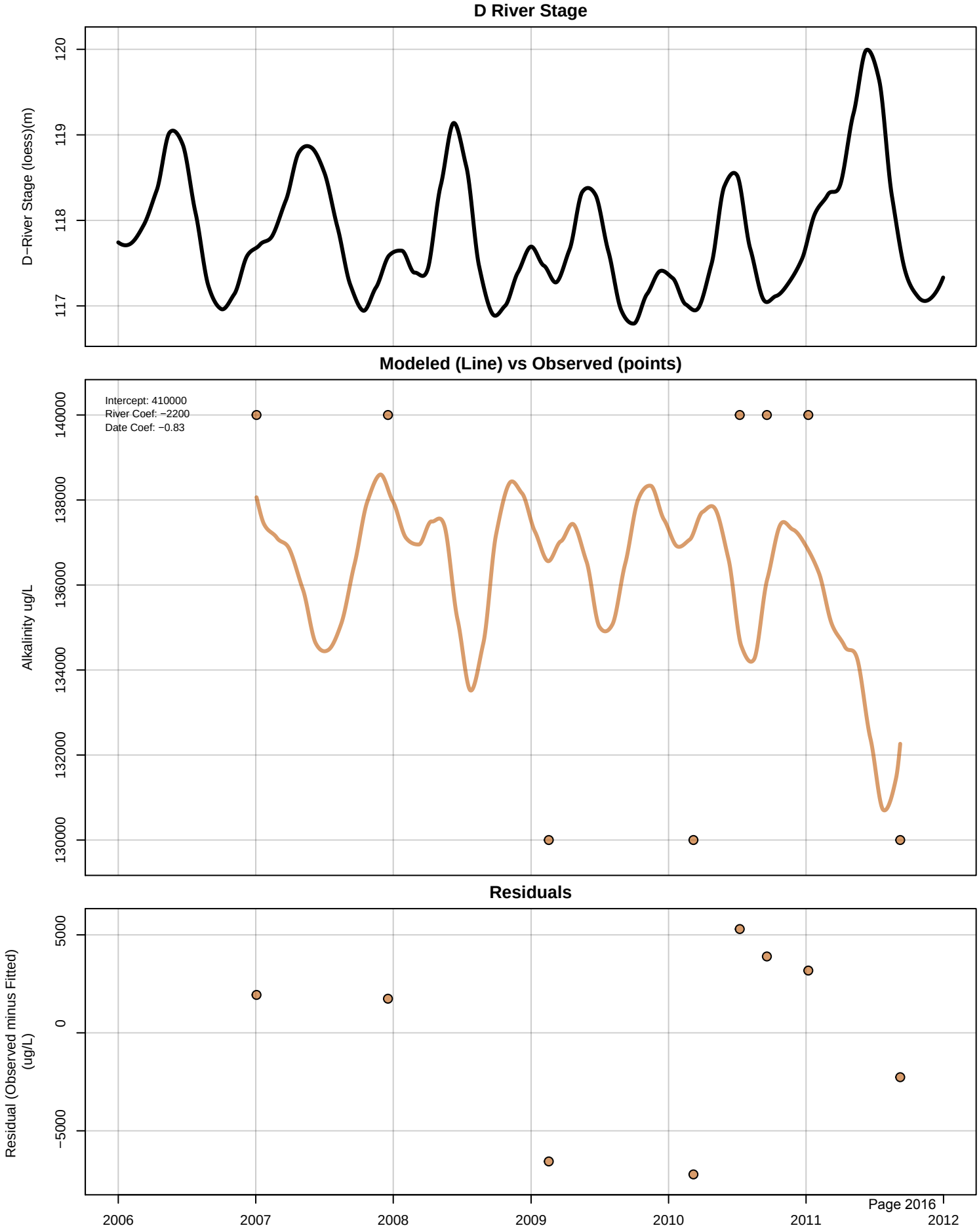


199−N−71 (751m) Lag (81 Days)



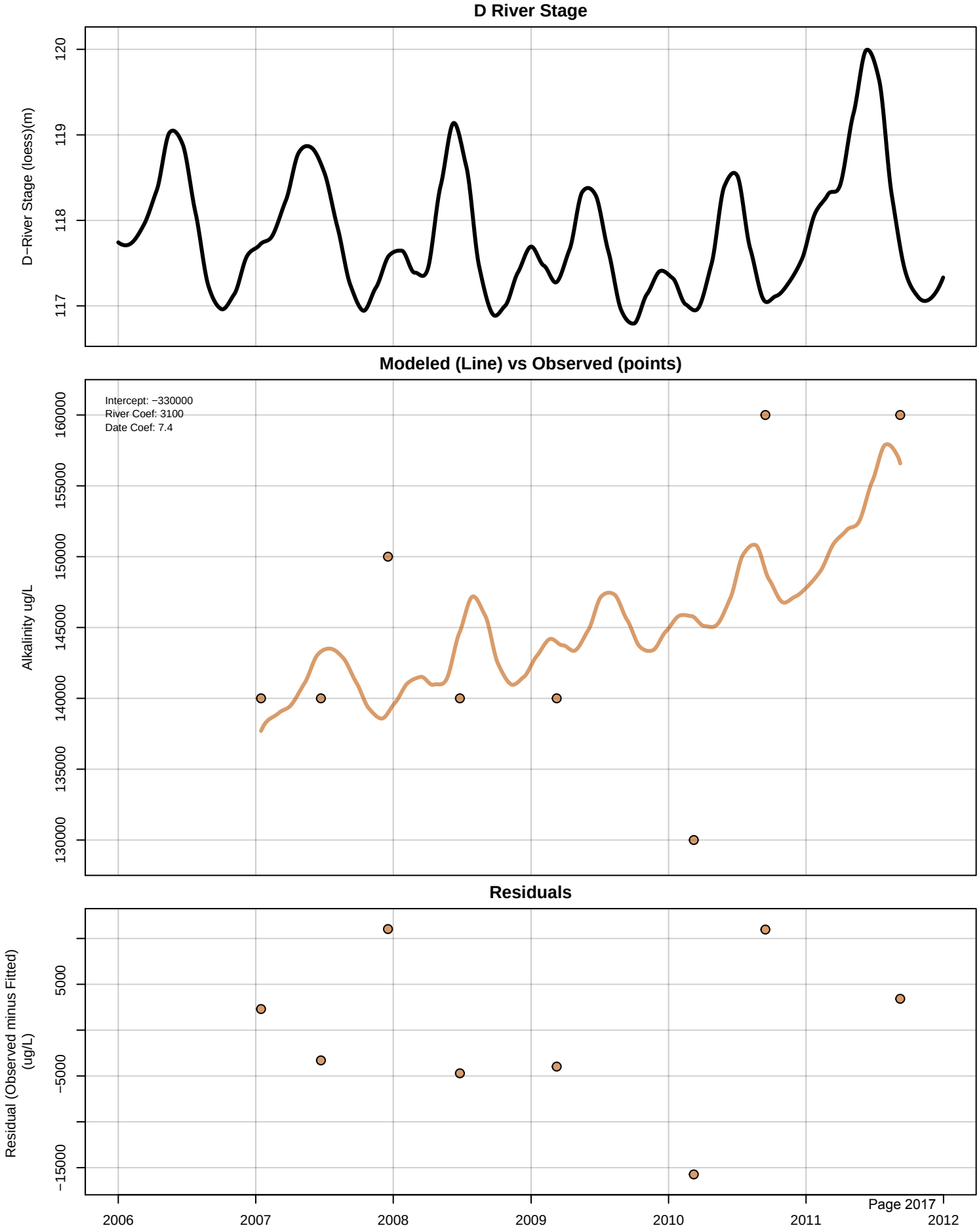
199−N−72 (362m) Lag (45 Days)

Detect
Non−detect
Pre−Remedy
Post−Remedy



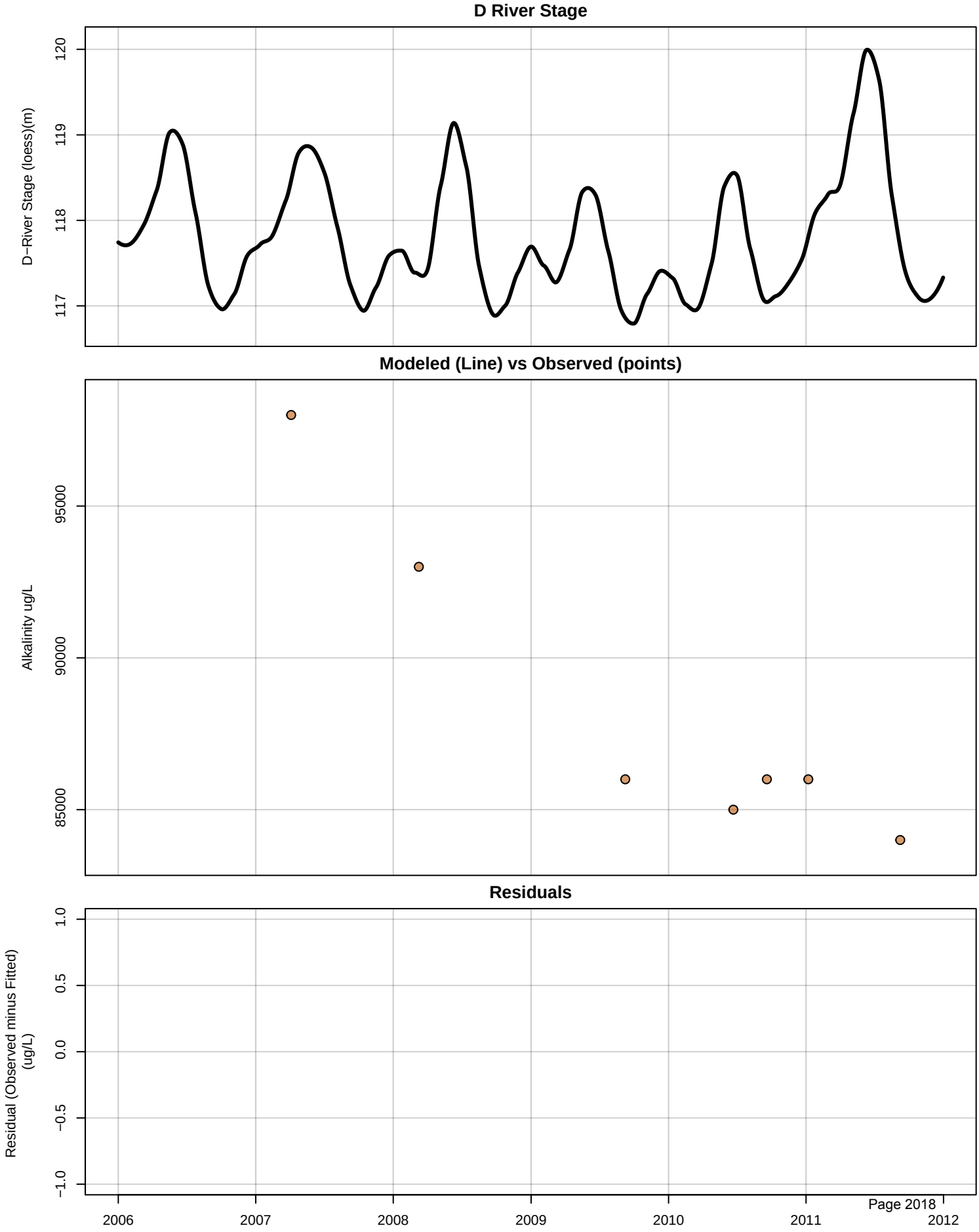
199−N−73 (404m) Lag (50 Days)

Detect
Non−detect
Pre−Remedy
Post−Remedy

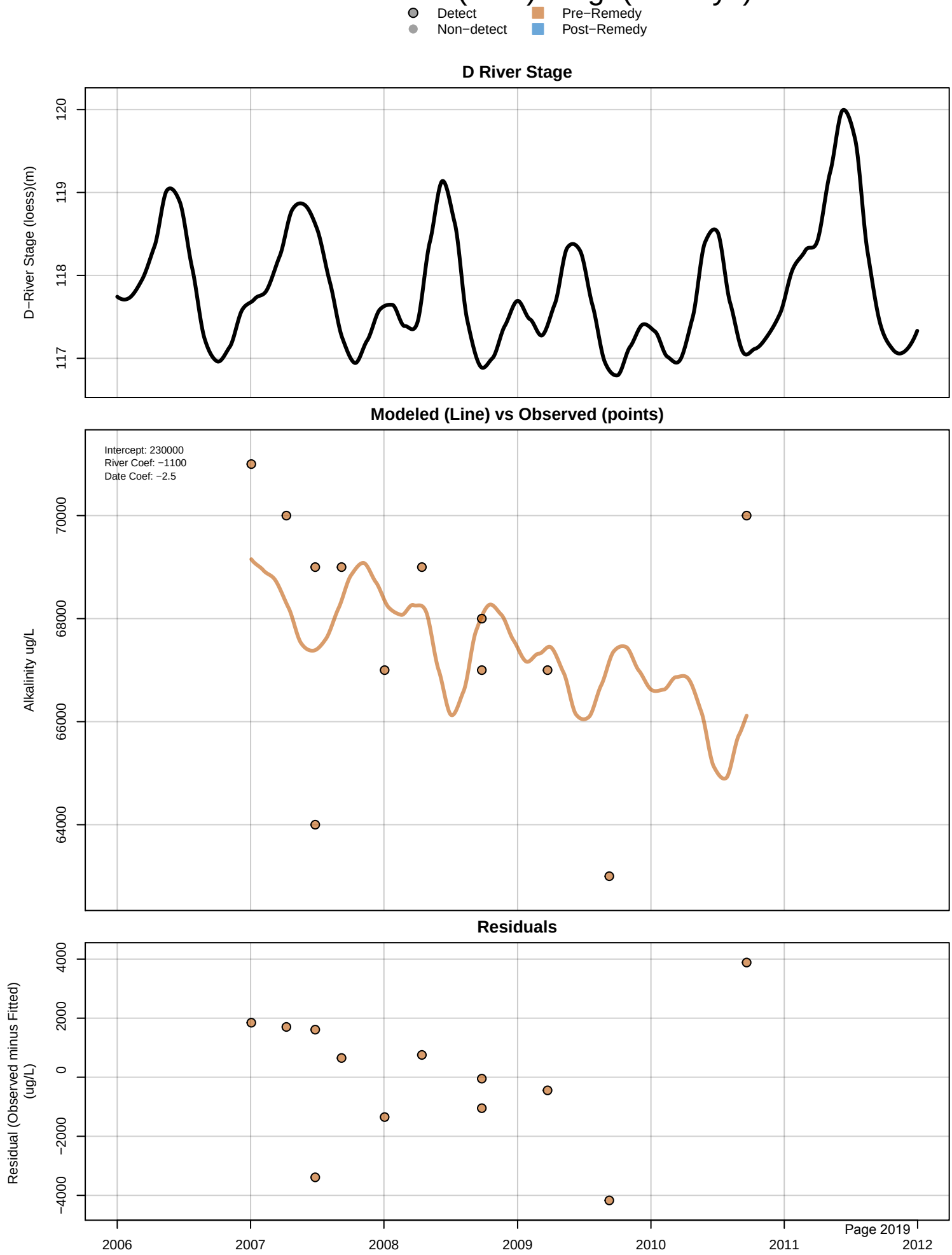


199−N−74 (953m) Lag (97 Days)

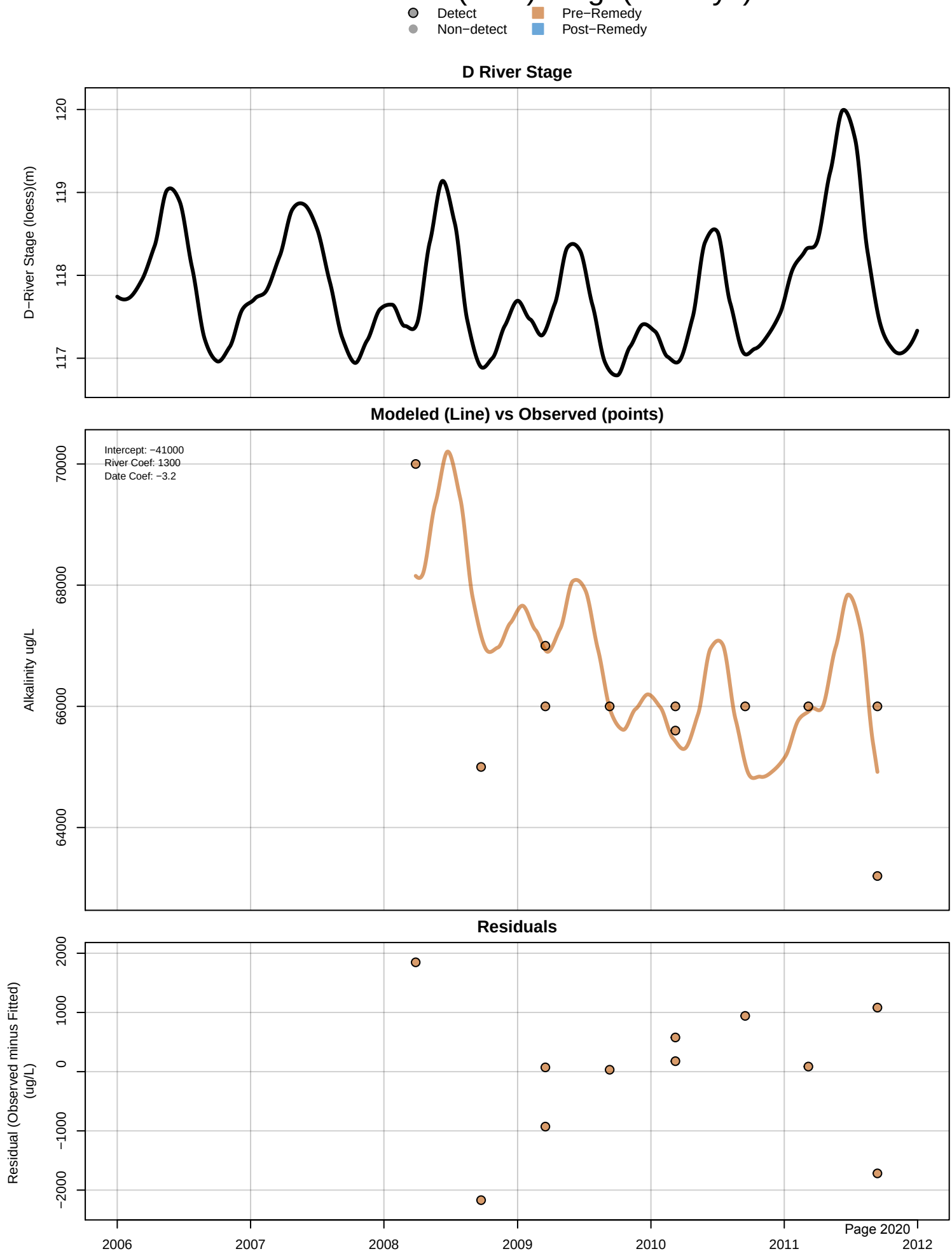
Detect
Non−detect
Pre−Remedy
Post−Remedy



199−N−75 (87m) Lag (24 Days)

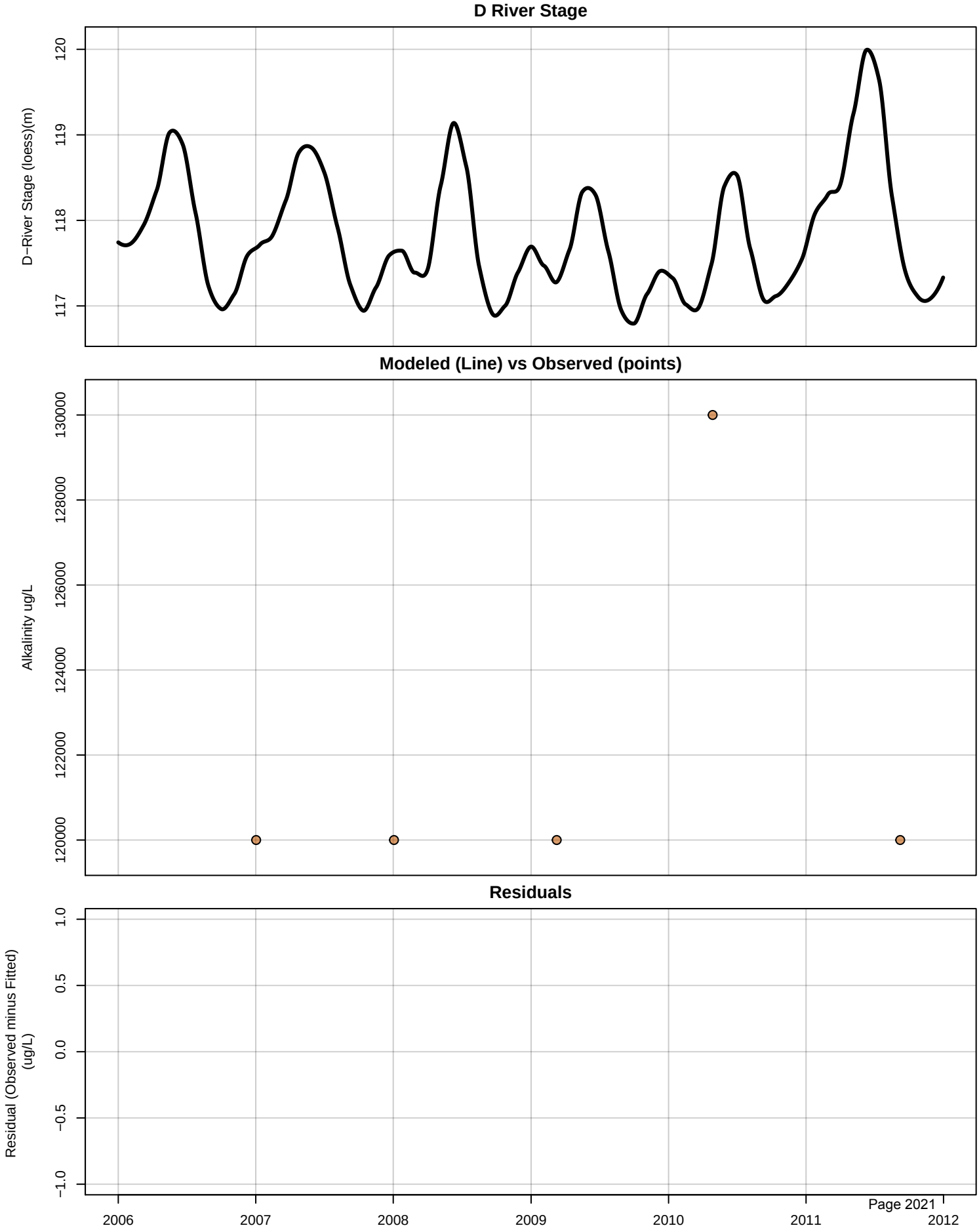


199−N−76 (85m) Lag (15 Days)



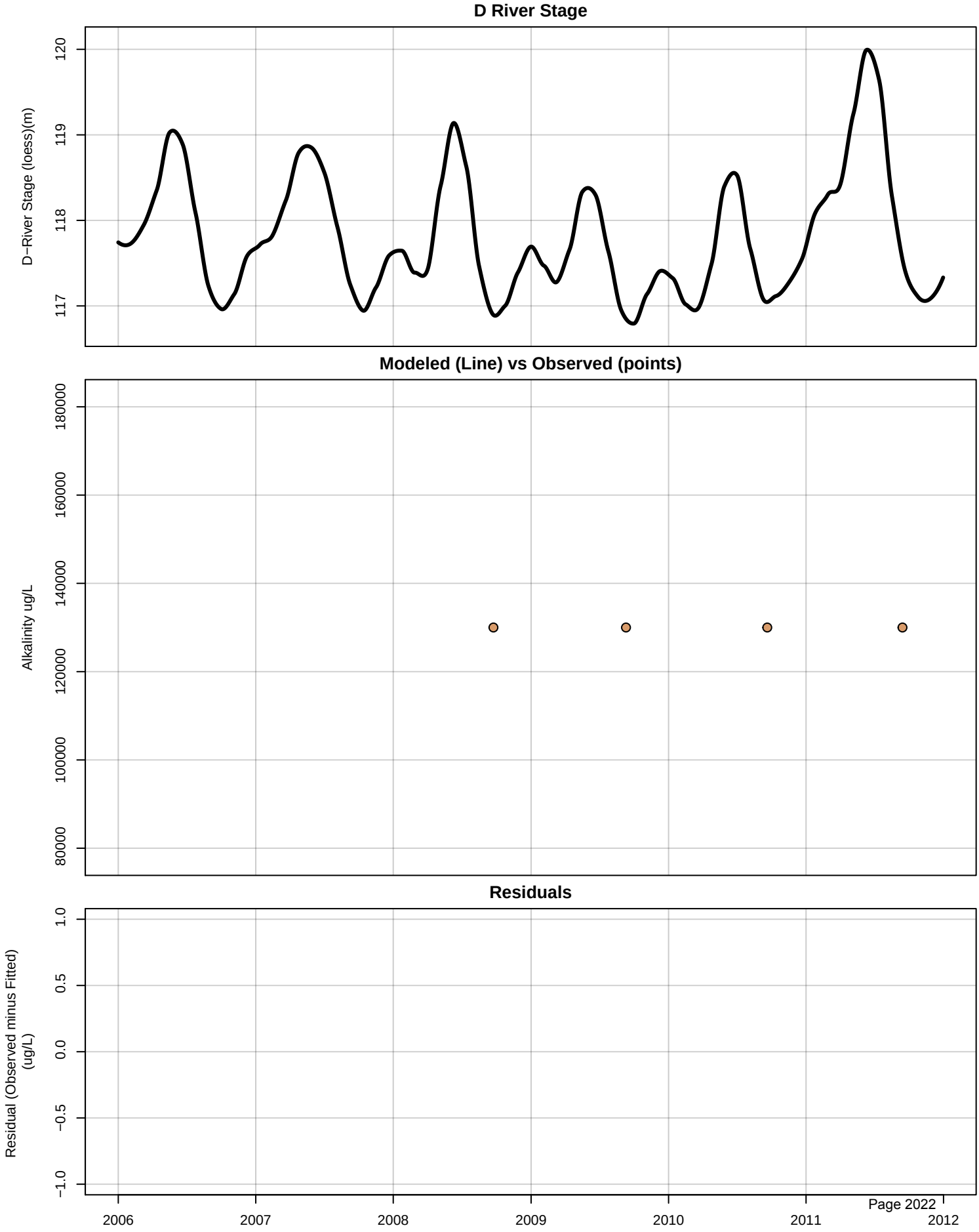
199−N−77 (372m) Lag (49 Days)

Detect
Non−detect
Pre−Remedy
Post−Remedy

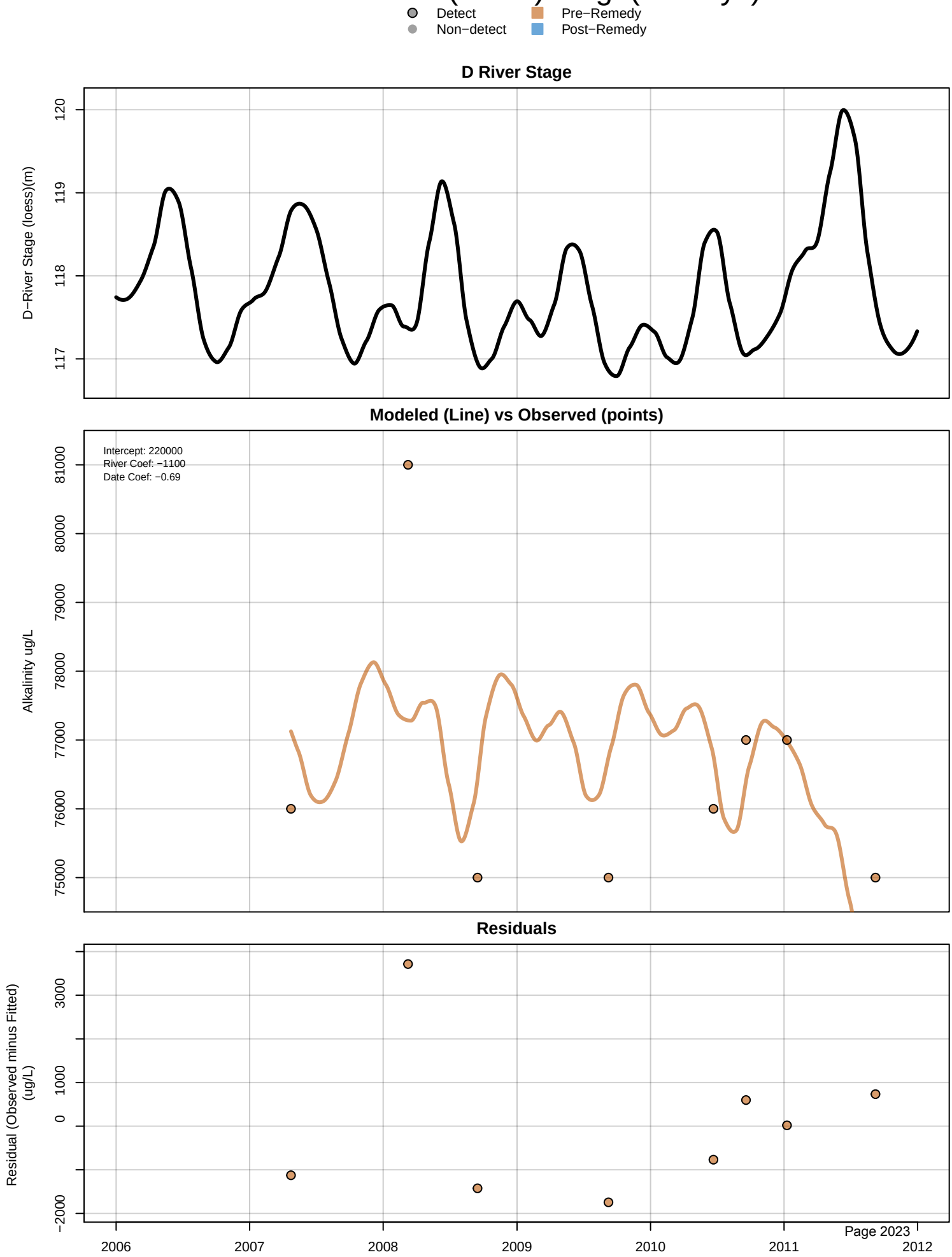


199−N−80 (107m) Lag (0 Days)

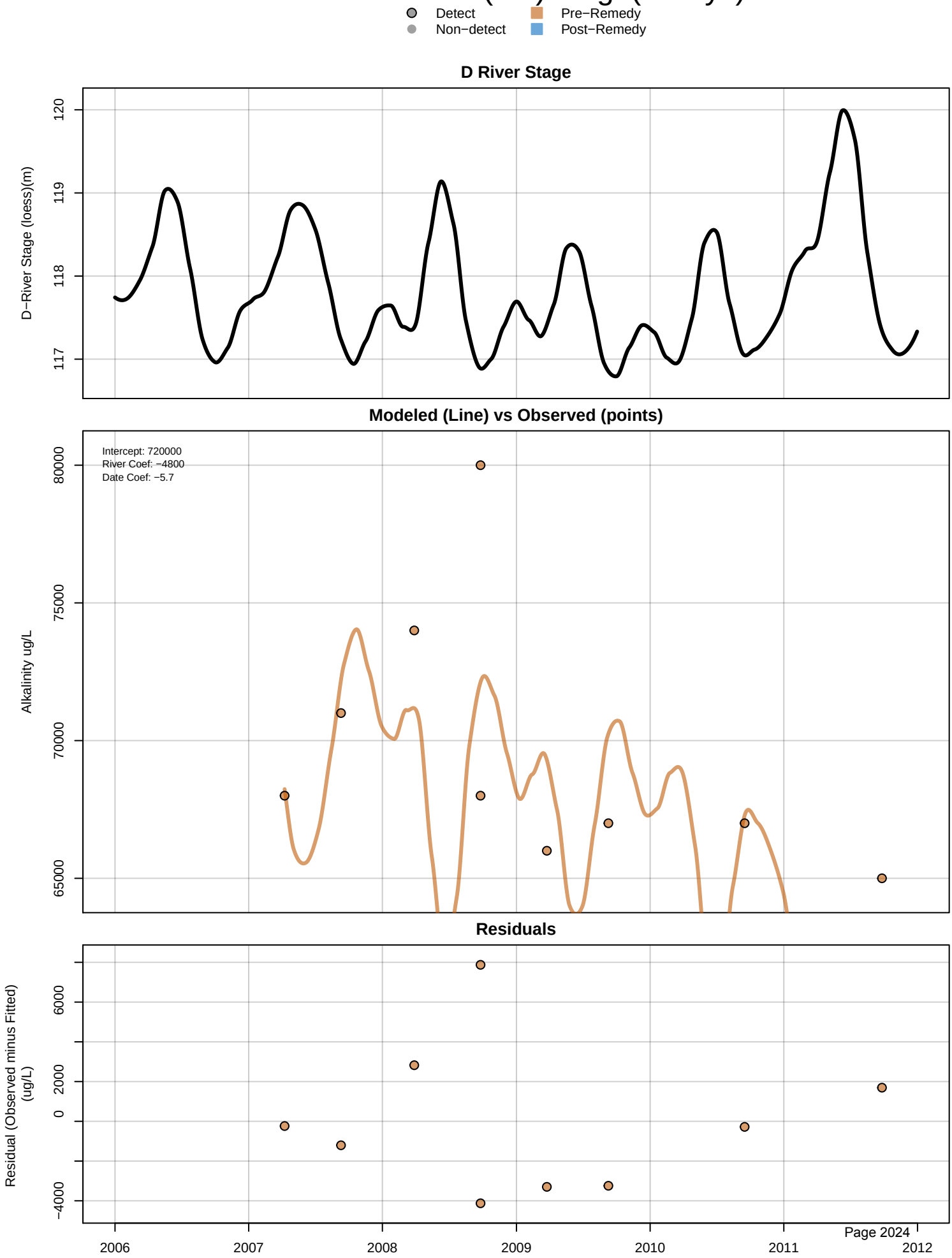
Detect
Non−detect
Pre−Remedy
Post−Remedy



199−N−81 (603m) Lag (53 Days)

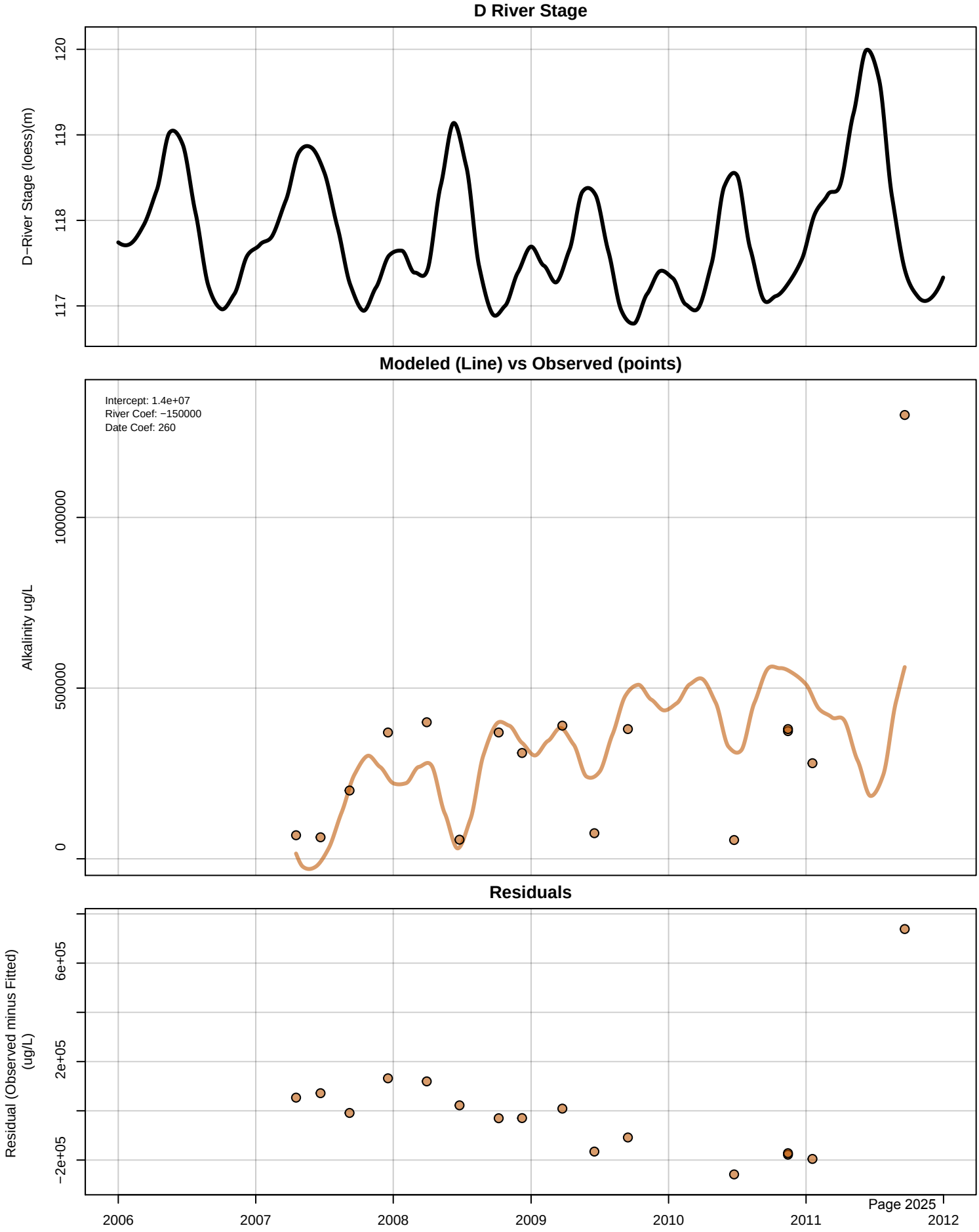


199−N−92A (6m) Lag (9 Days)



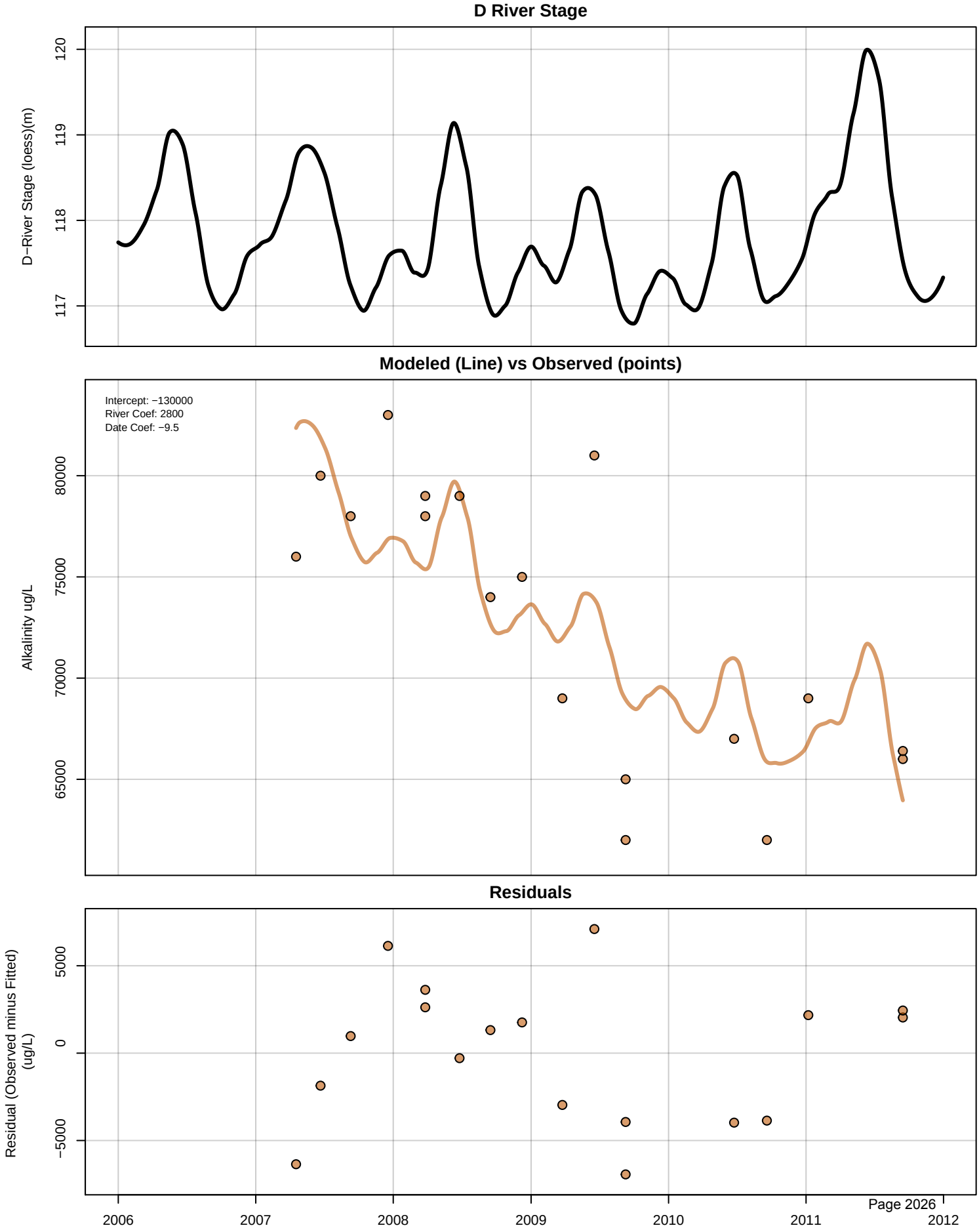
199−N−96A (5m) Lag (11 Days)

Detect
Non−detect
Pre−Remedy
Post−Remedy



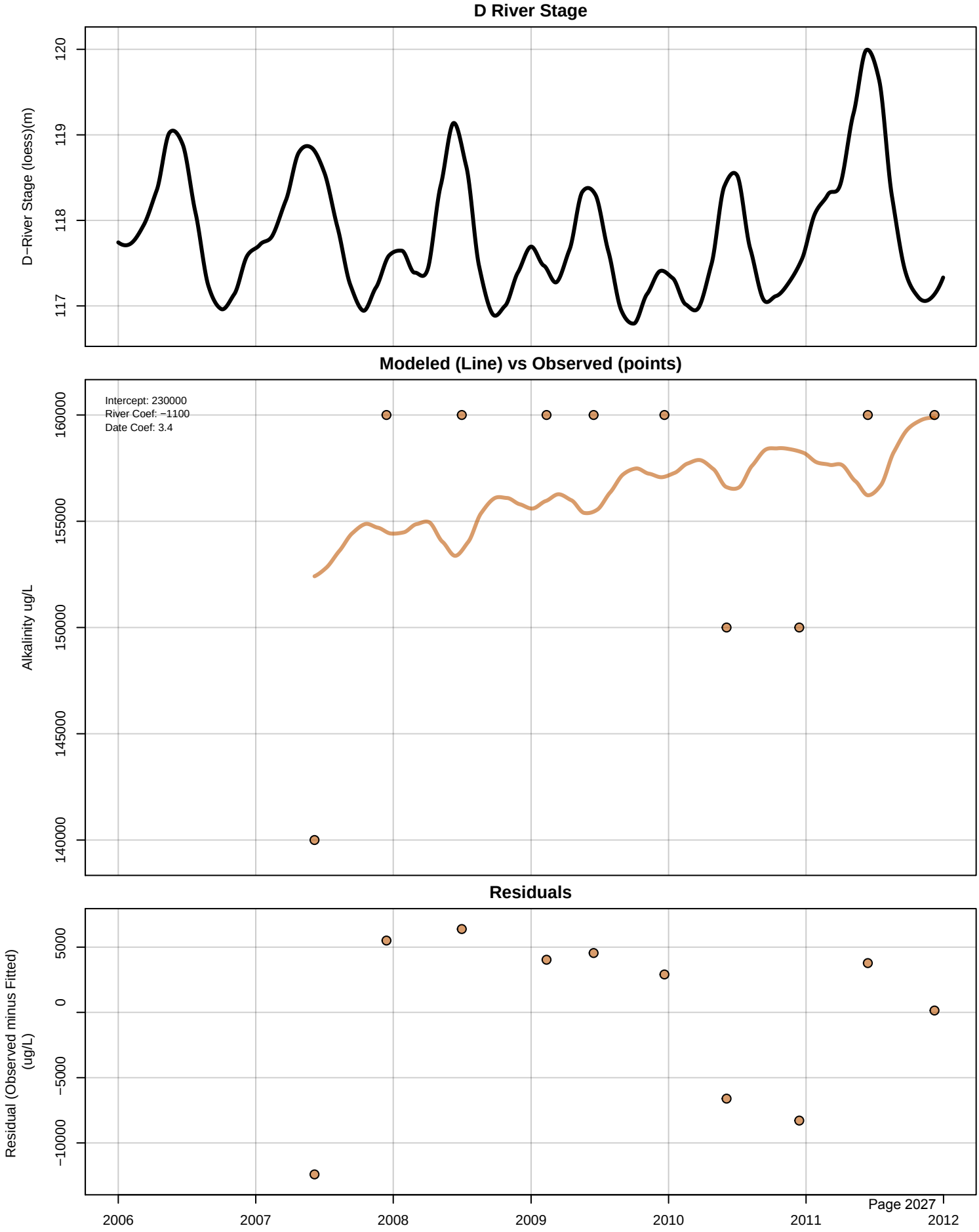
199−N−99A (7m) Lag (3 Days)

Detect
Non−detect
Pre−Remedy
Post−Remedy



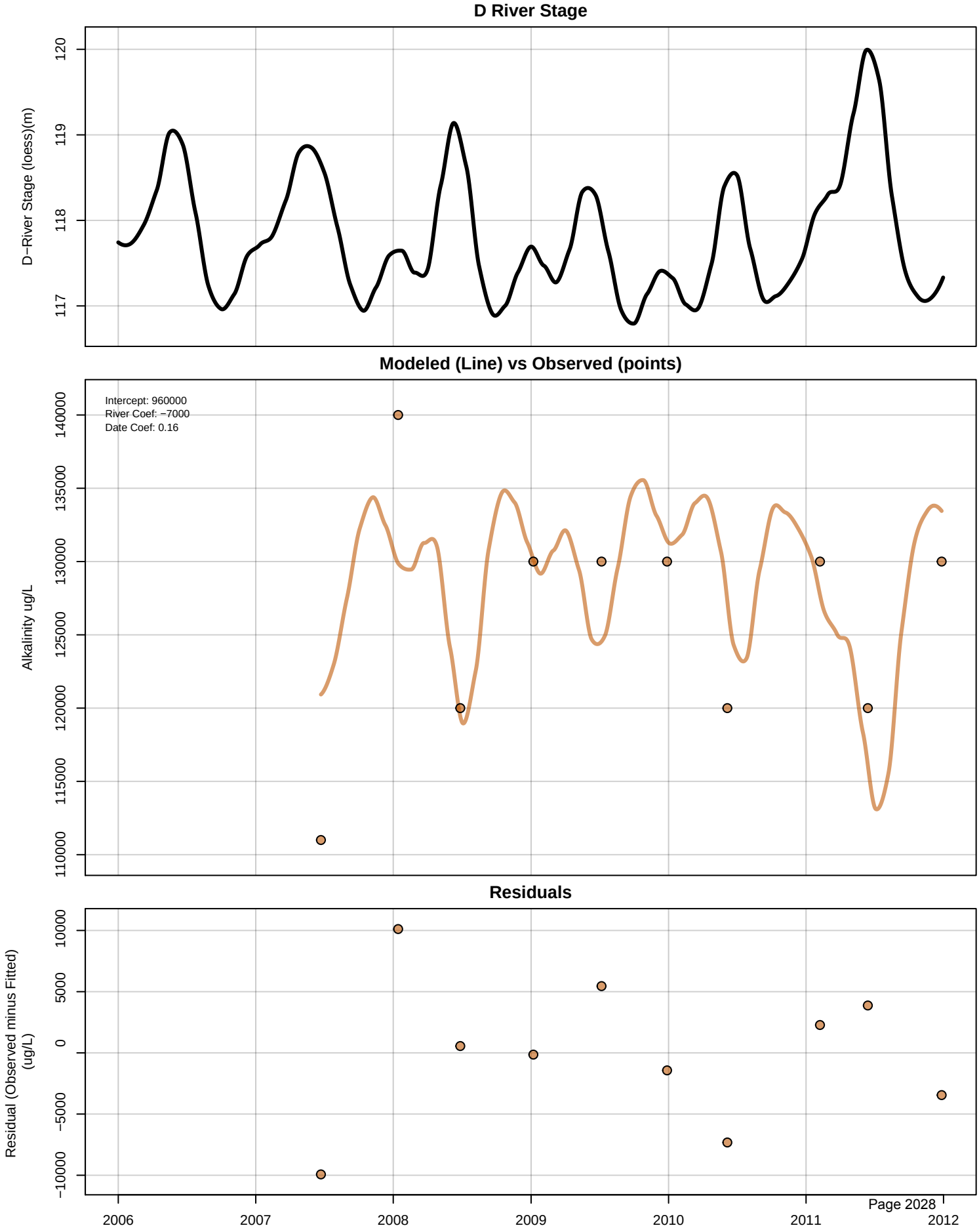
399−1−10B (31m) Lag (5 Days)

Detect
Non−detect
Pre−Remedy
Post−Remedy



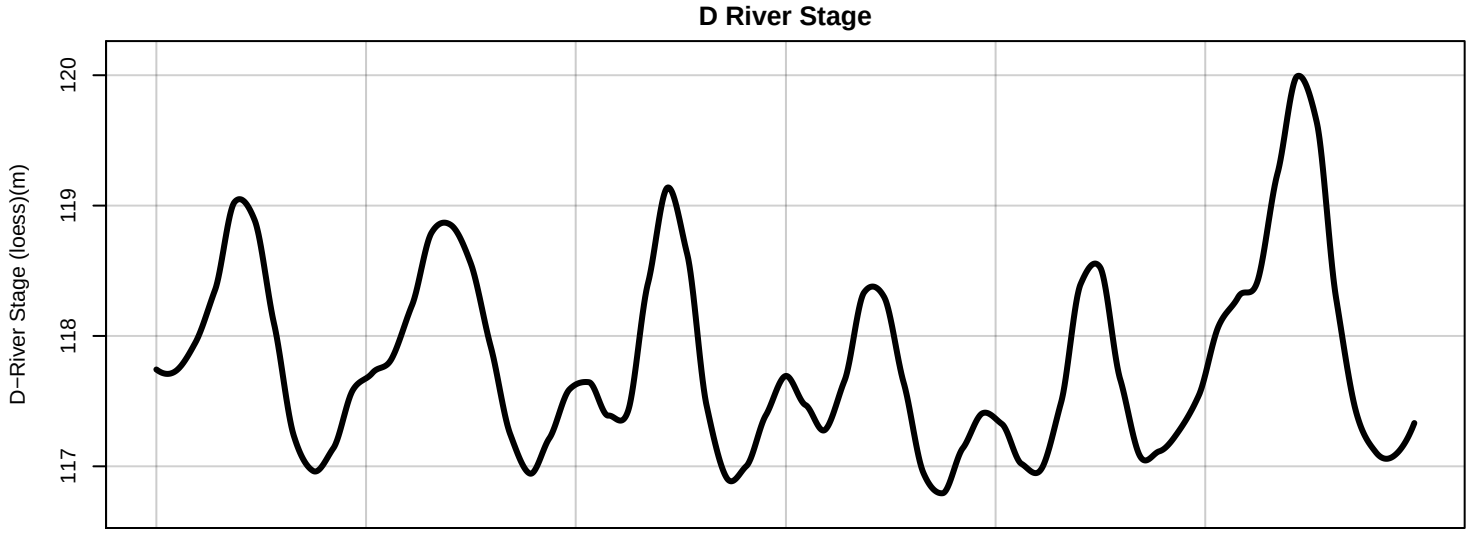
399−1−11 (281m) Lag (25 Days)

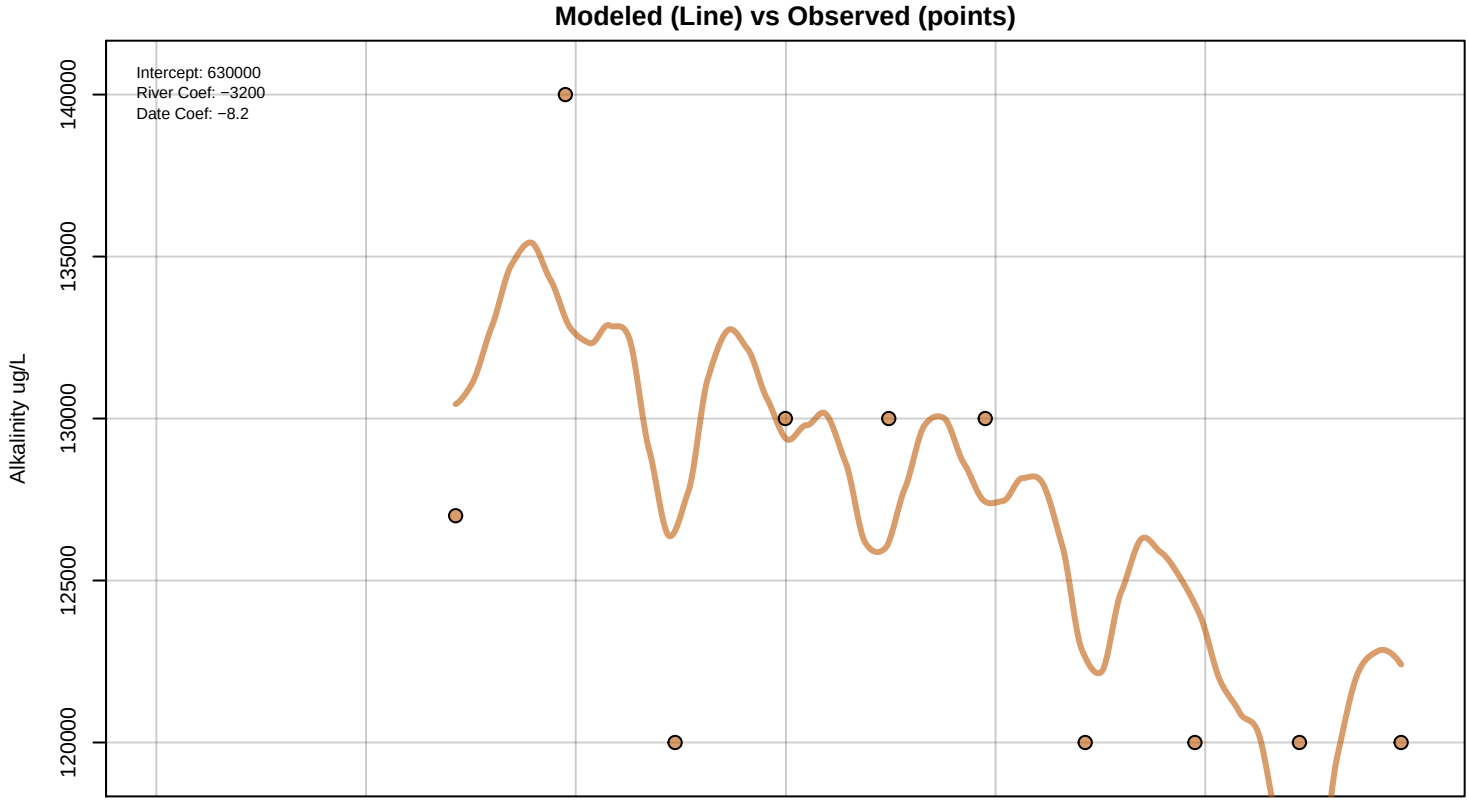
Detect
Non−detect
Pre−Remedy
Post−Remedy

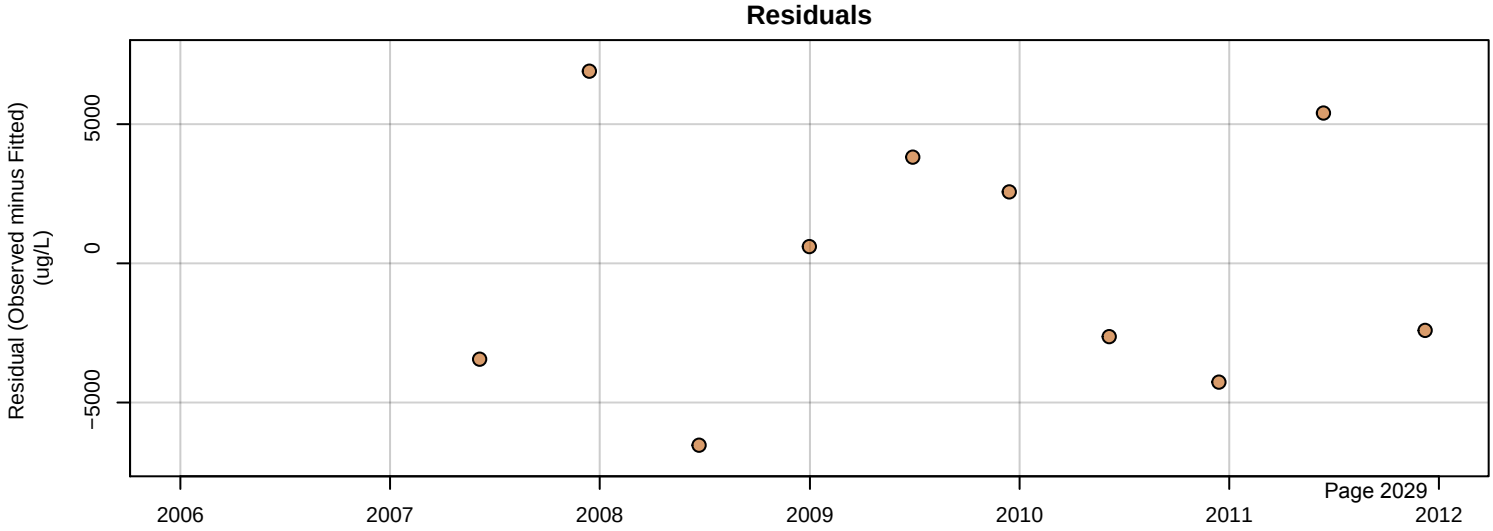


399−1−16B (114m) Lag (2 Days)

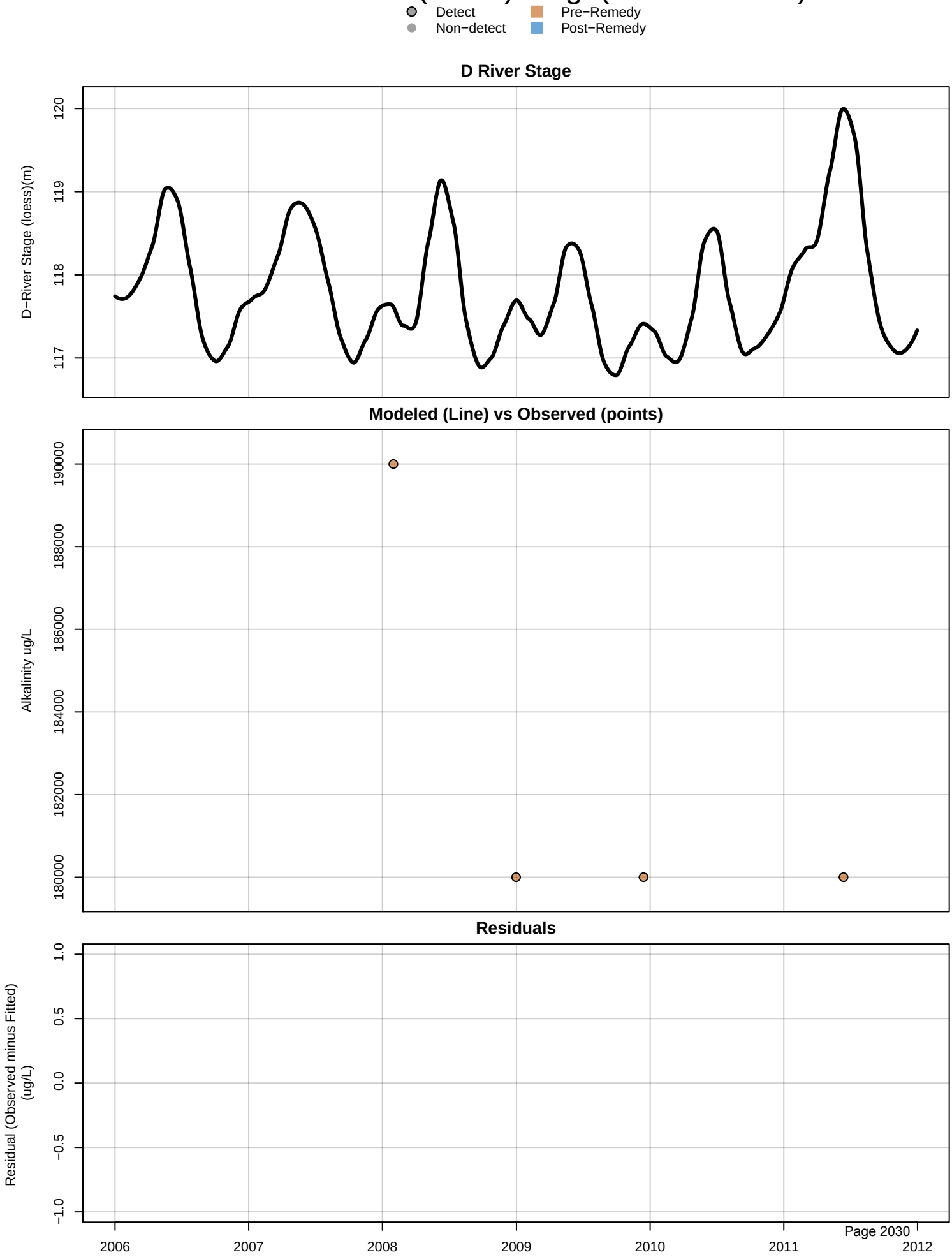
Detect
Non−detect
Pre−Remedy
Post−Remedy



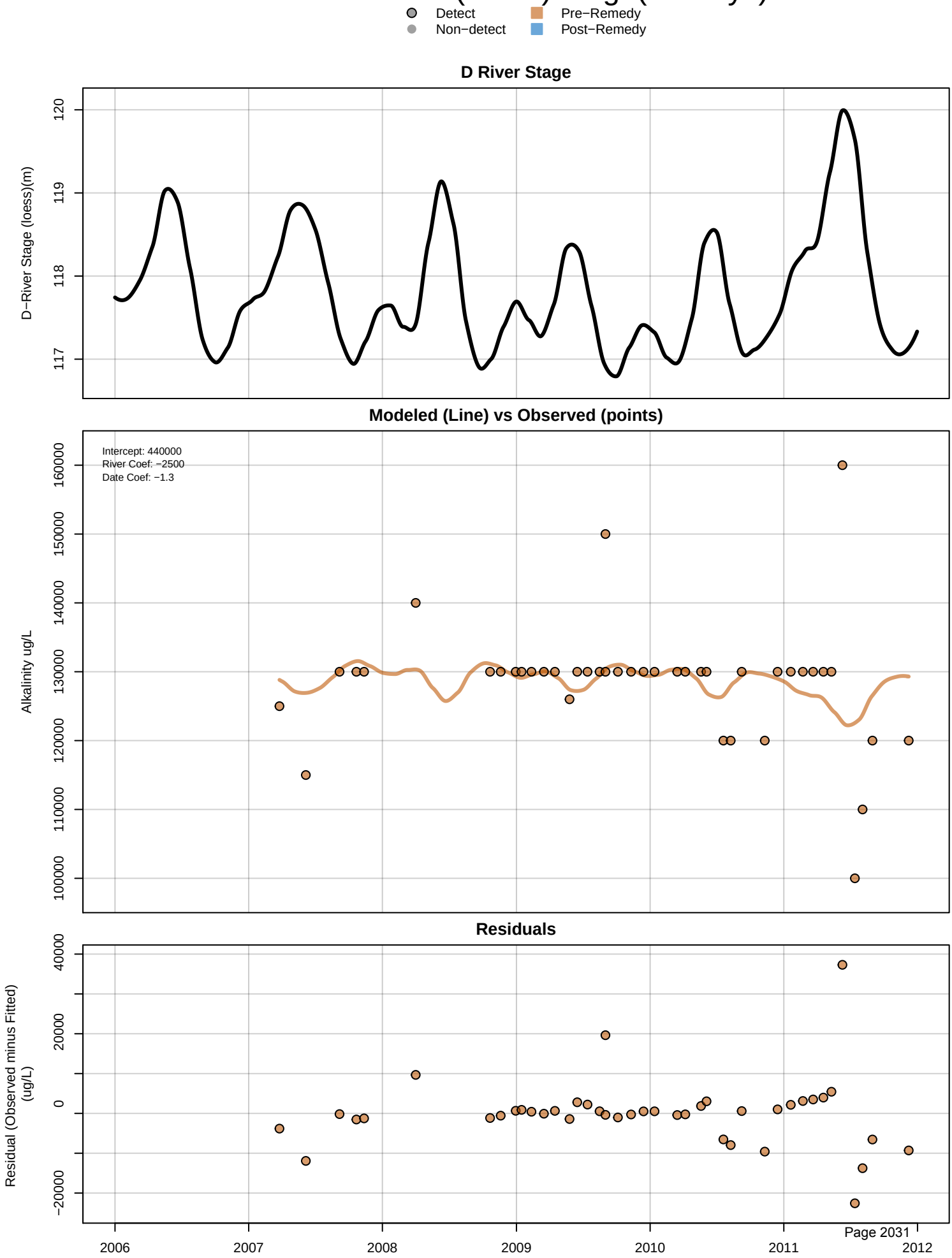




399−1−16C (127m) Lag (Indeterminate)

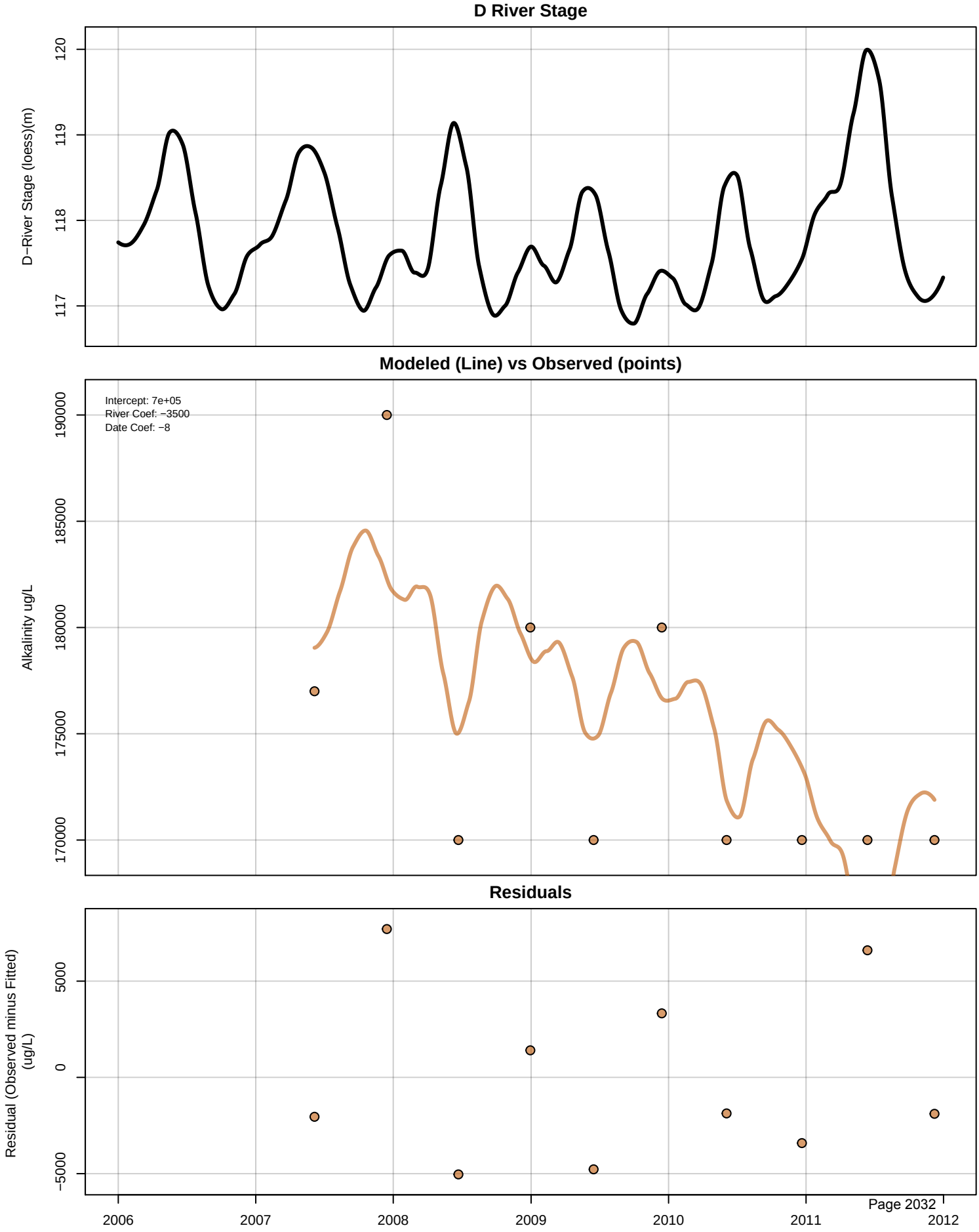


399−1−17A (316m) Lag (12 Days)



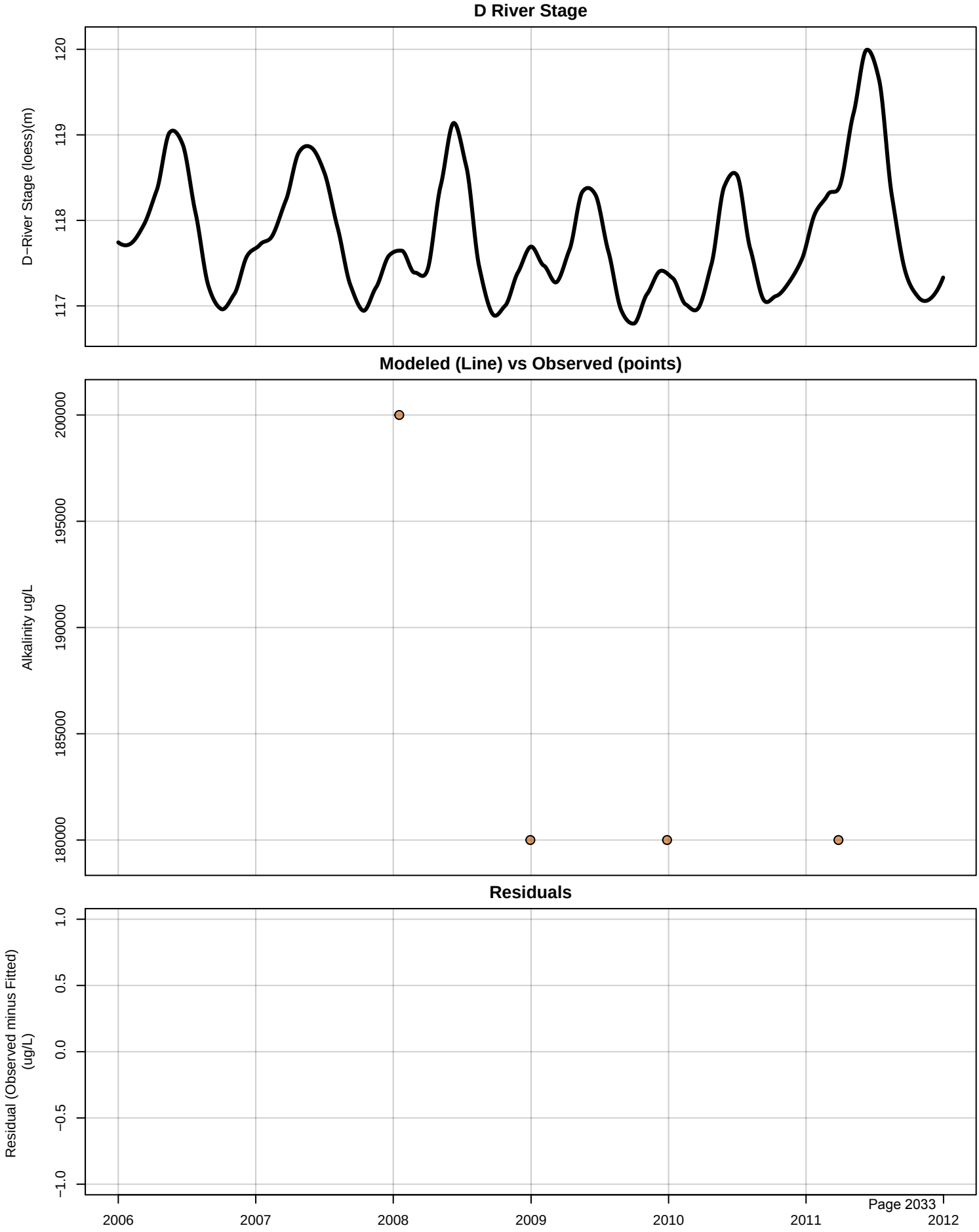
399−1−17B (323m) Lag (7 Days)

Detect
Non−detect
Pre−Remedy
Post−Remedy



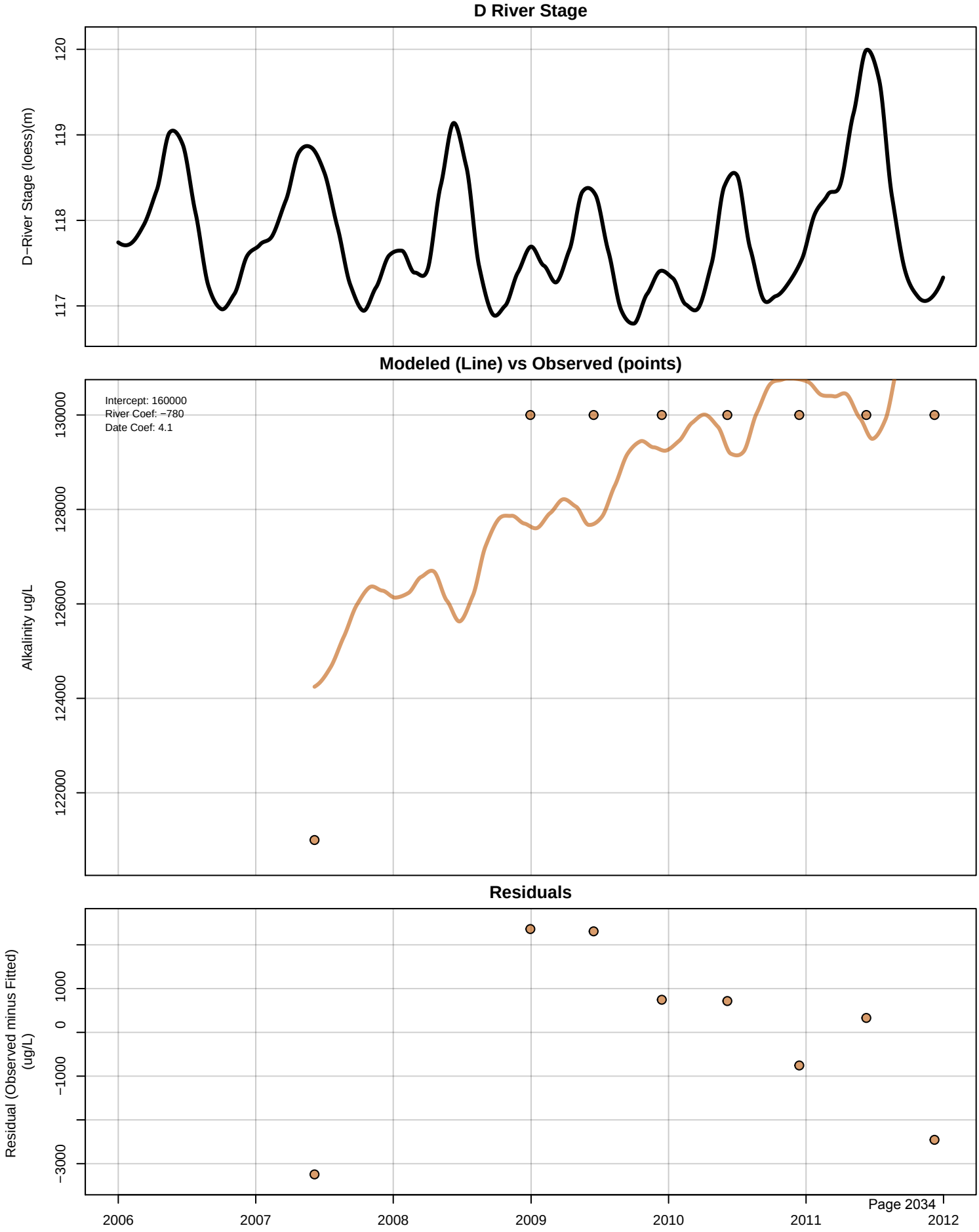
399−1−17C (325m) Lag (42 Days)

Detect
Non−detect
Pre−Remedy
Post−Remedy



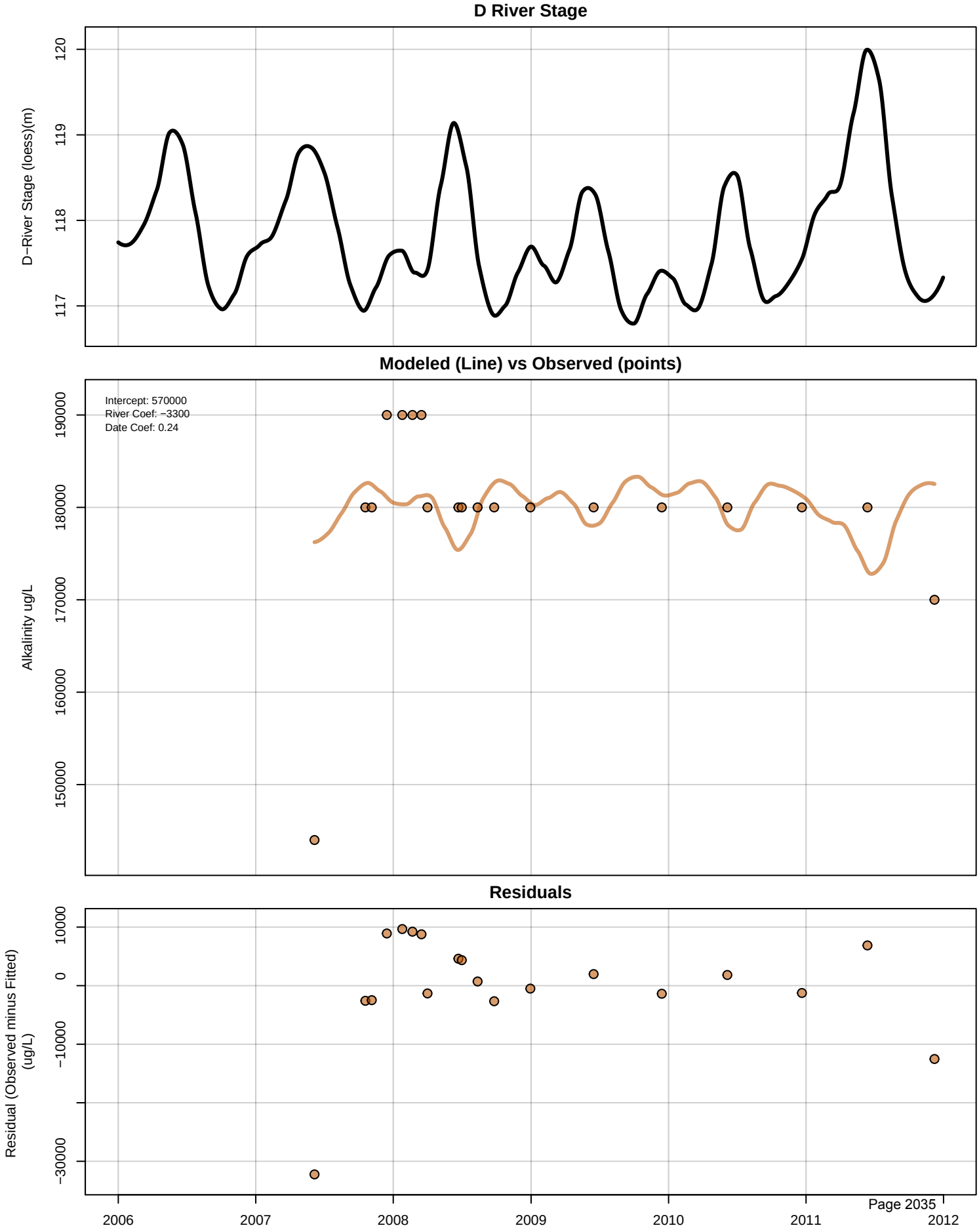
399−1−18A (447m) Lag (17 Days)

Detect
Non−detect
Pre−Remedy
Post−Remedy



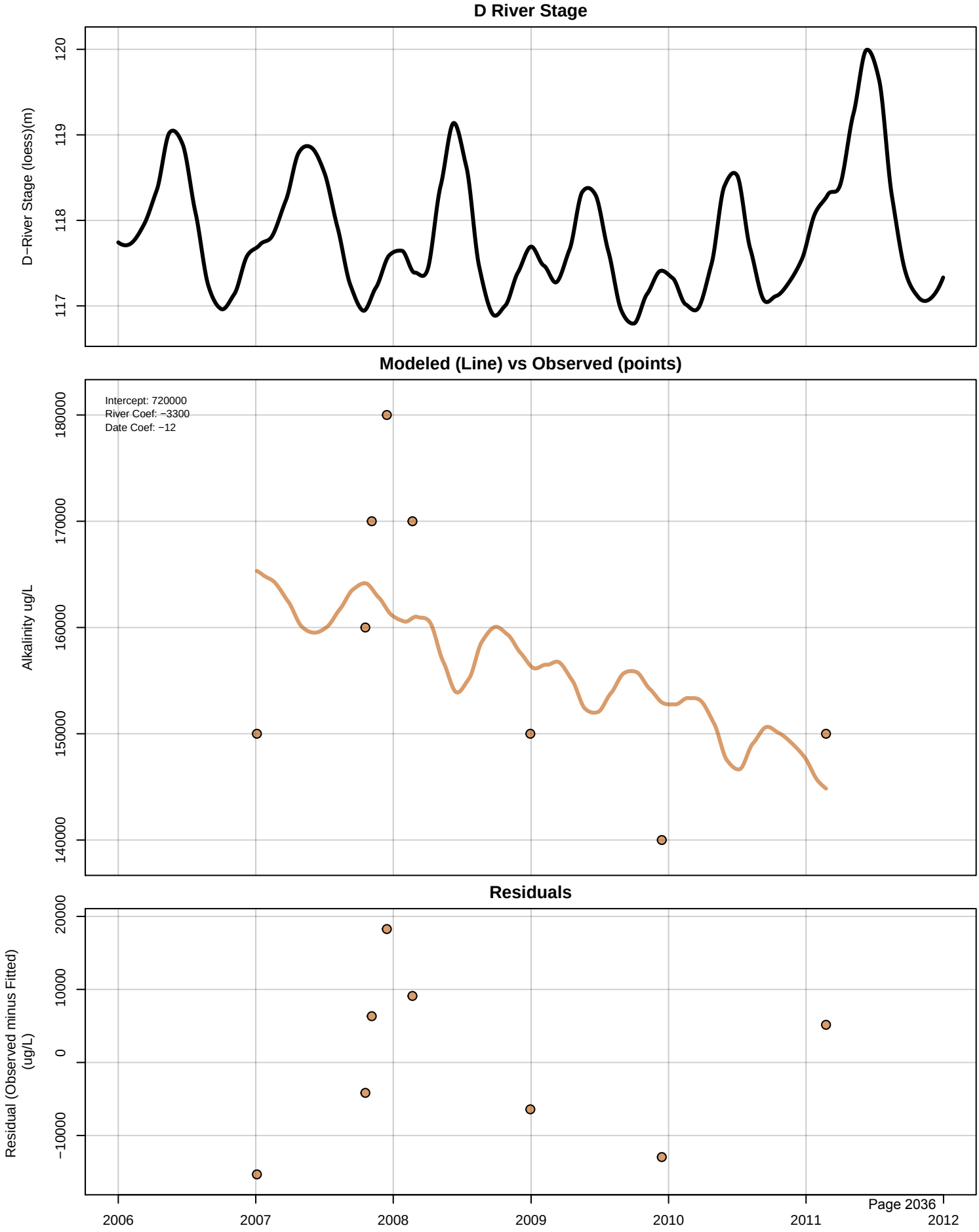
399−1−18B (452m) Lag (11 Days)

Detect
Non−detect
Pre−Remedy
Post−Remedy



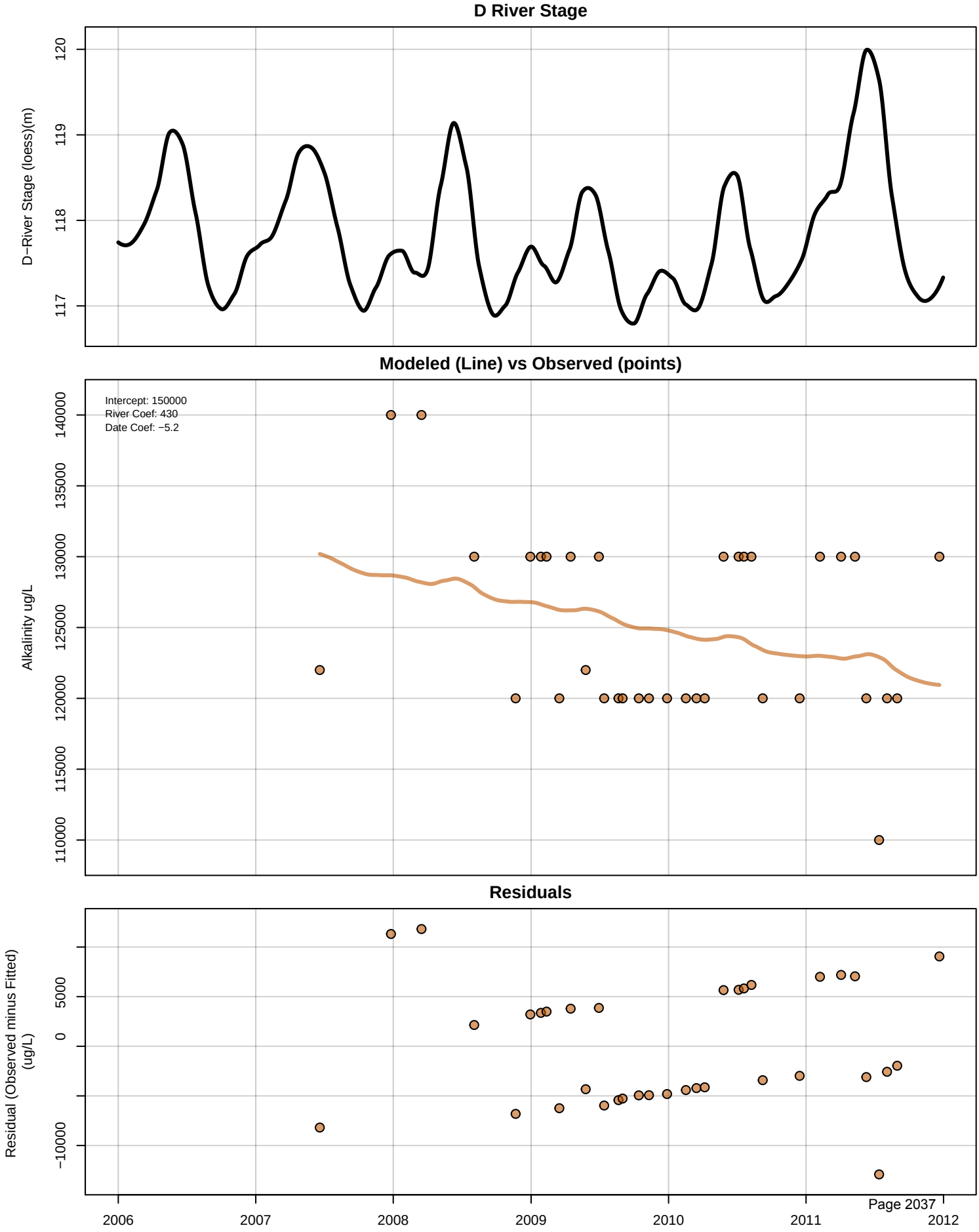
399−1−18C (445m) Lag (7 Days)

Detect
Non−detect
Pre−Remedy
Post−Remedy



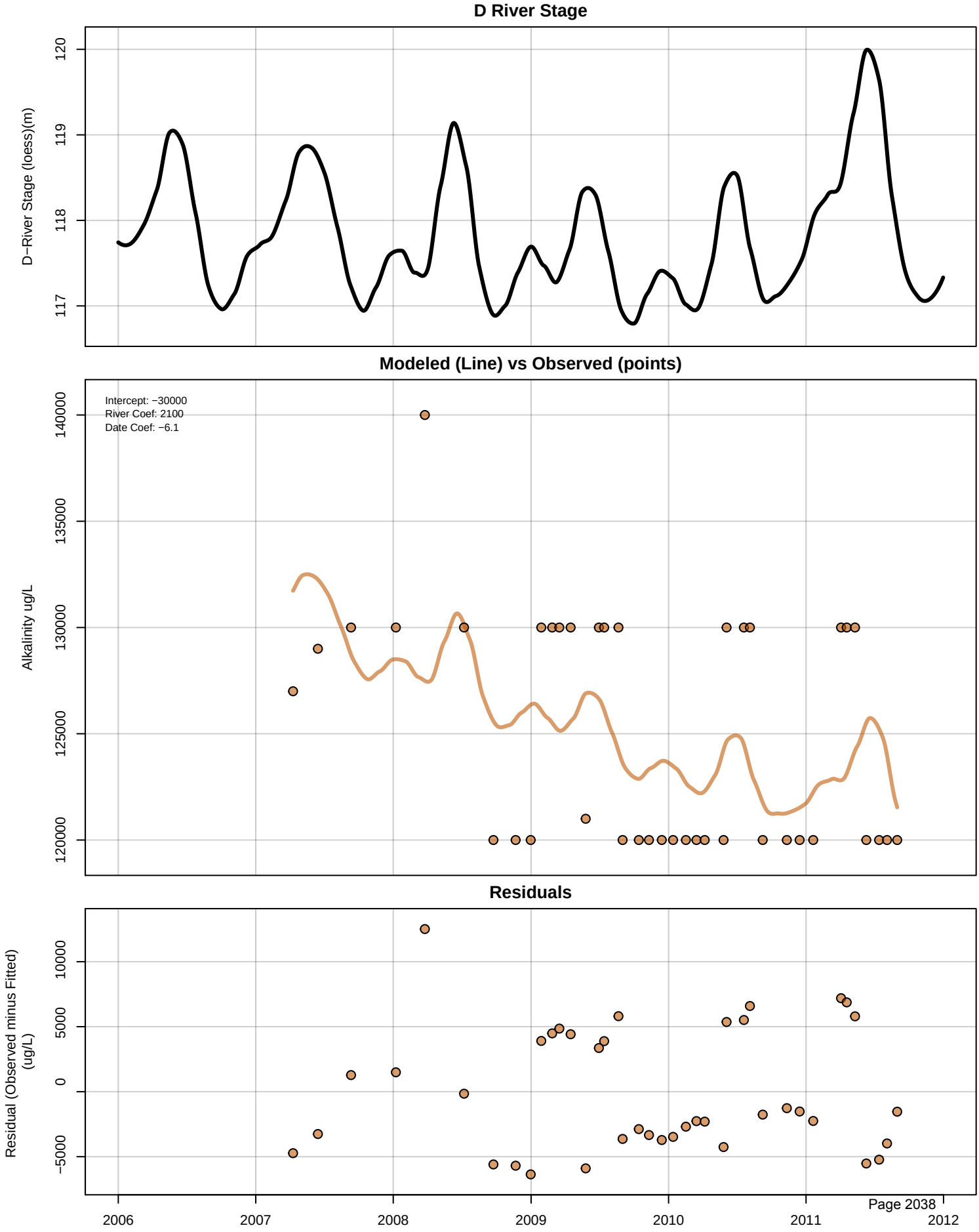
399−1−2 (366m) Lag (10 Days)

Detect
Non−detect
Pre−Remedy
Post−Remedy



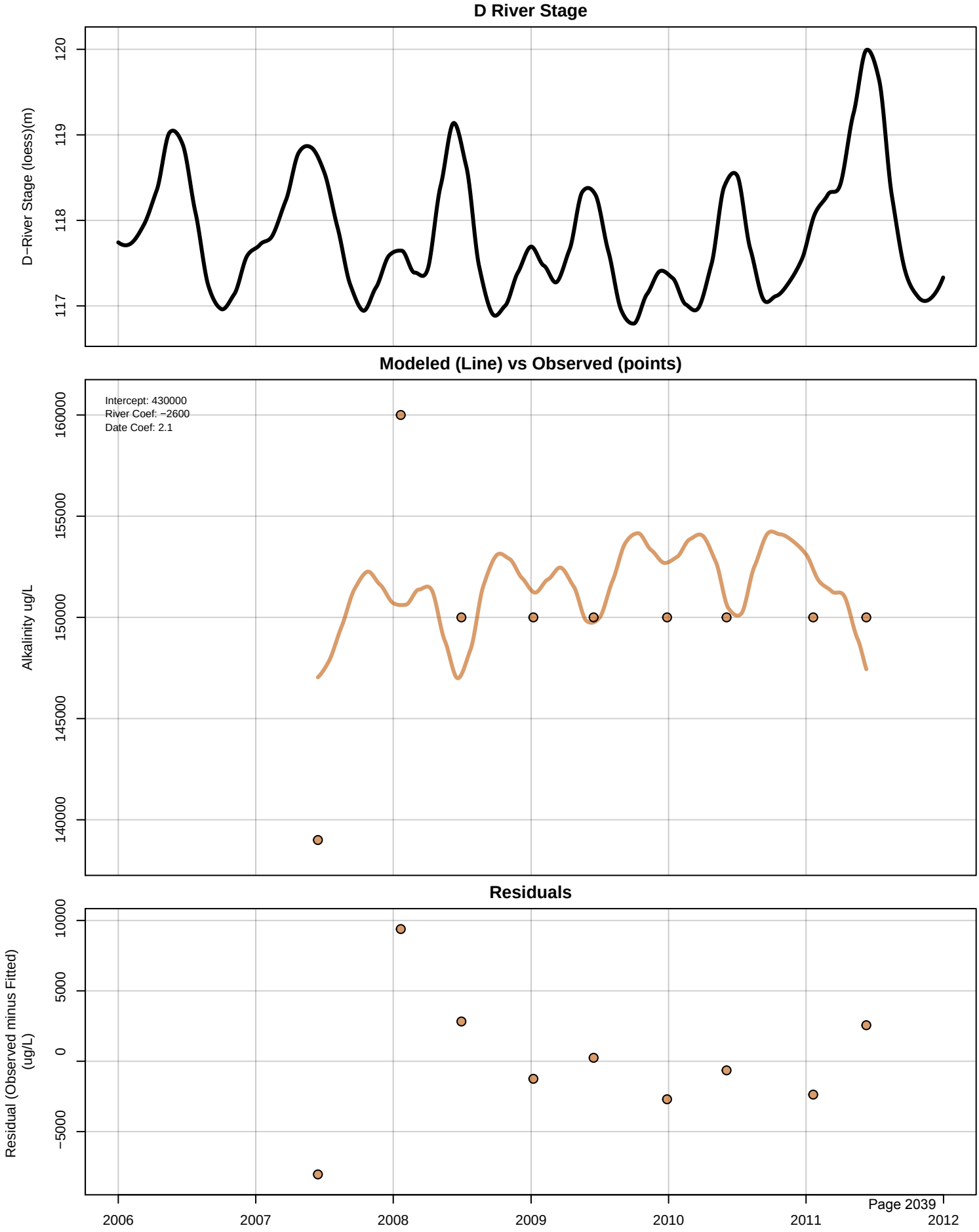
399−1−21A (323m) Lag (10 Days)

Detect
Non−detect
Pre−Remedy
Post−Remedy

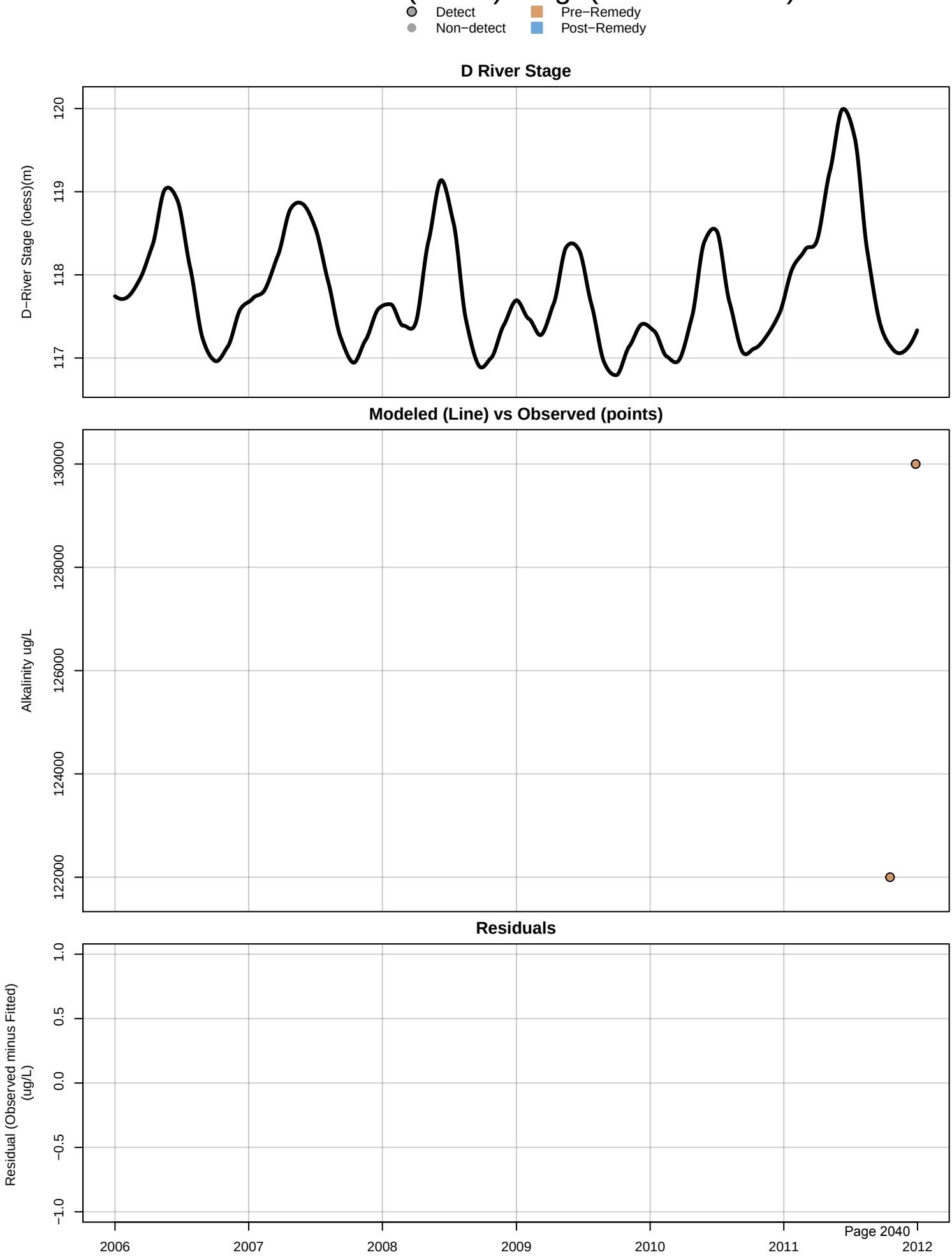


399−1−21B (328m) Lag (11 Days)

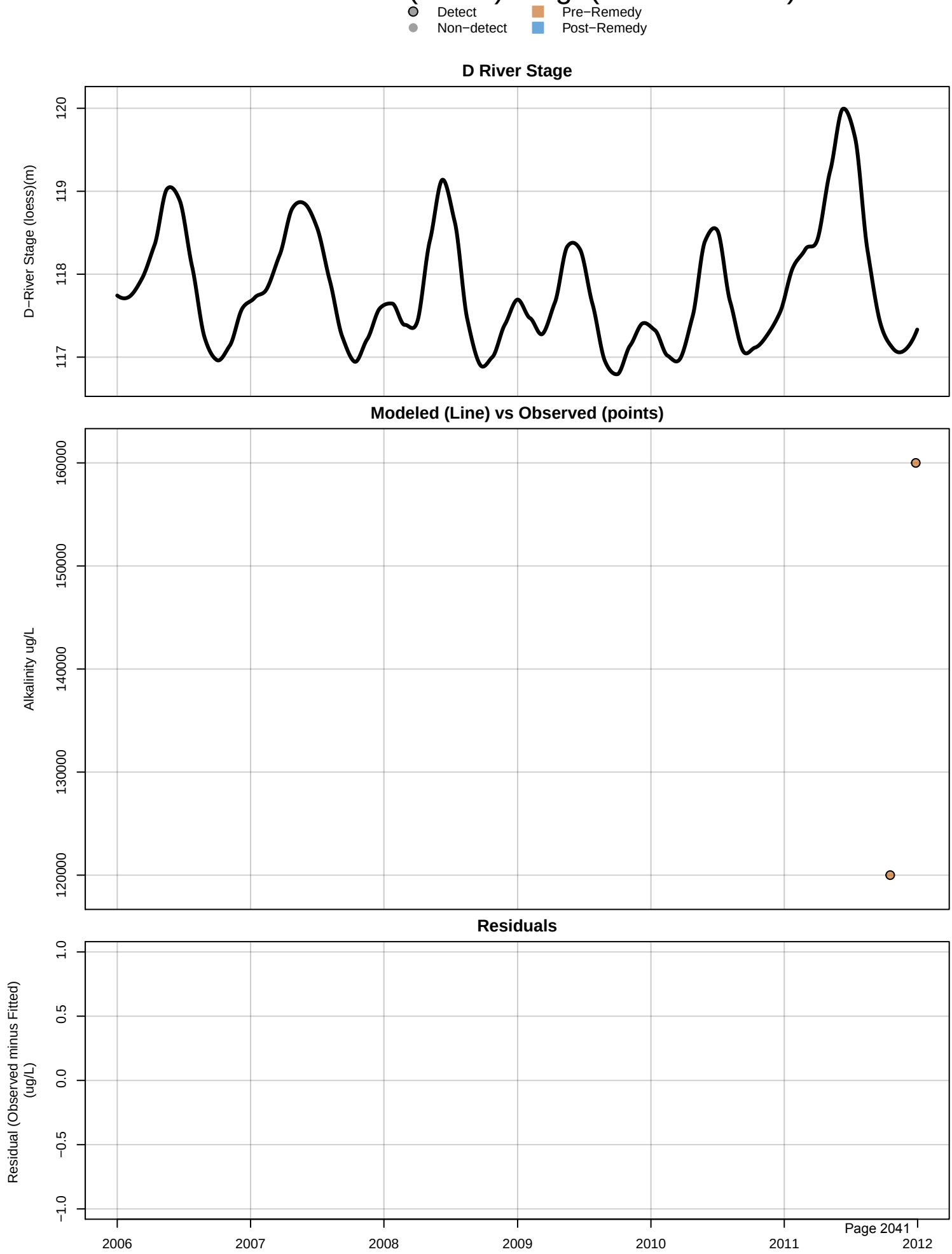
Detect
Non−detect
Pre−Remedy
Post−Remedy



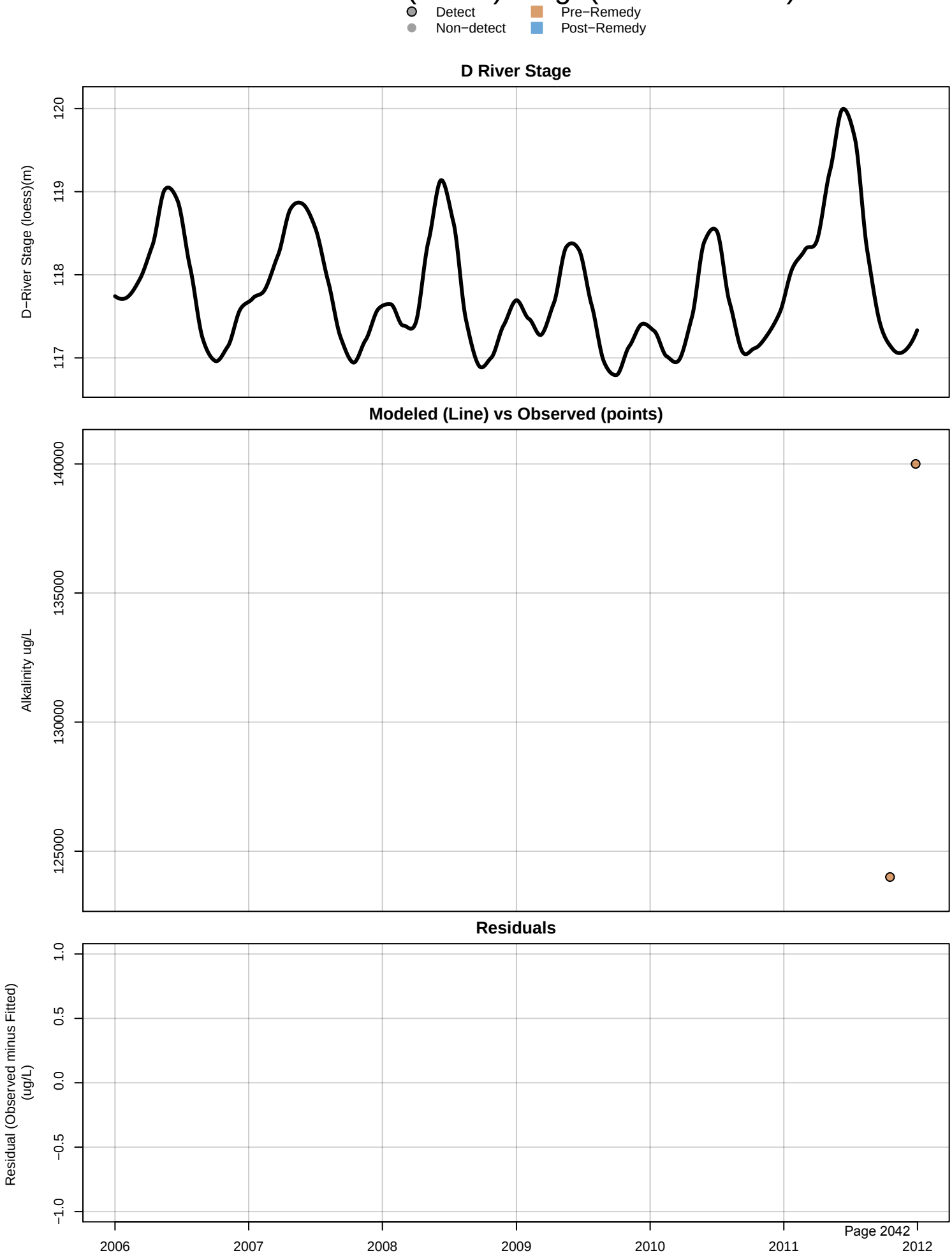
399−1−54 (116m) Lag (Indeterminate)



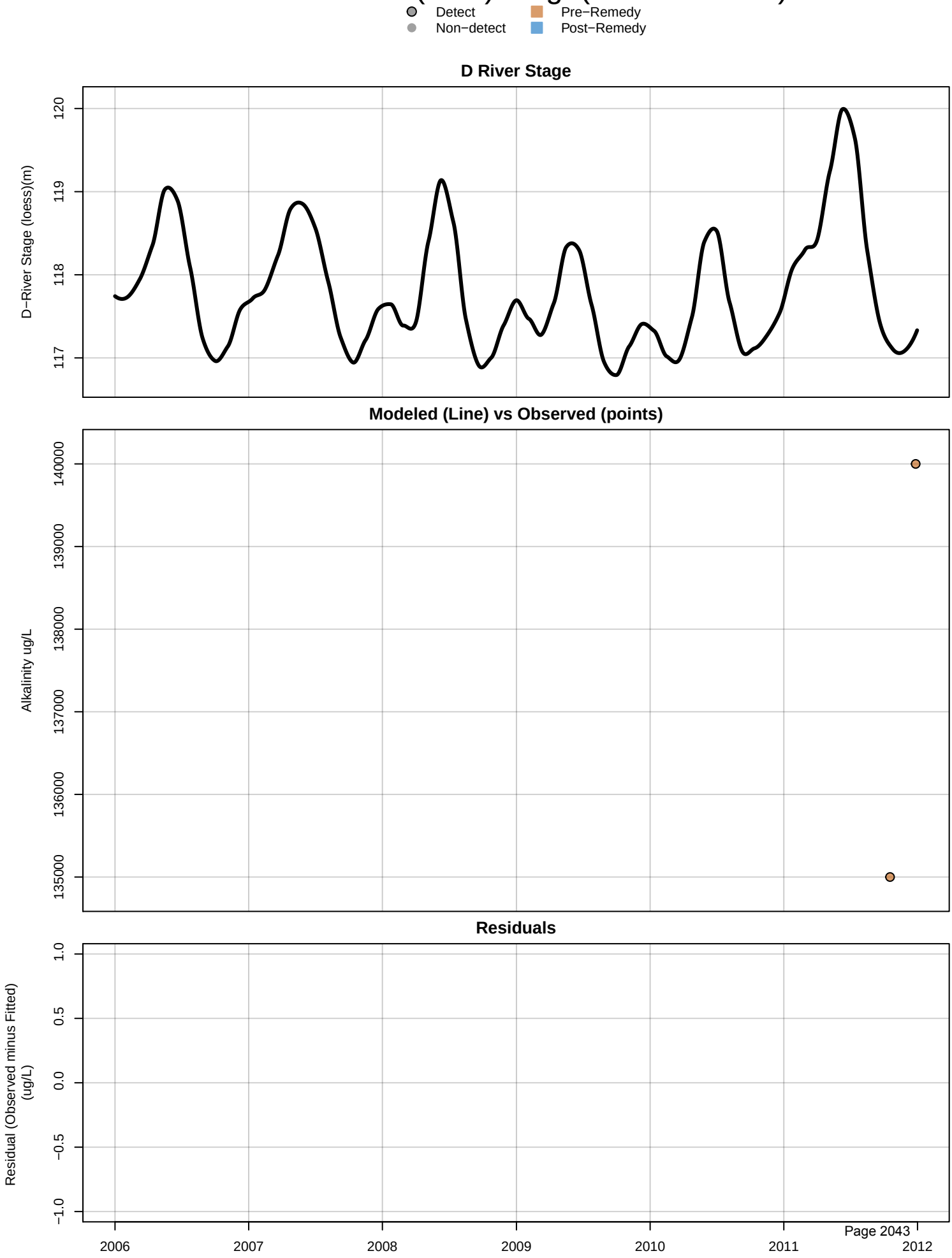
399−1−55 (270m) Lag (Indeterminate)



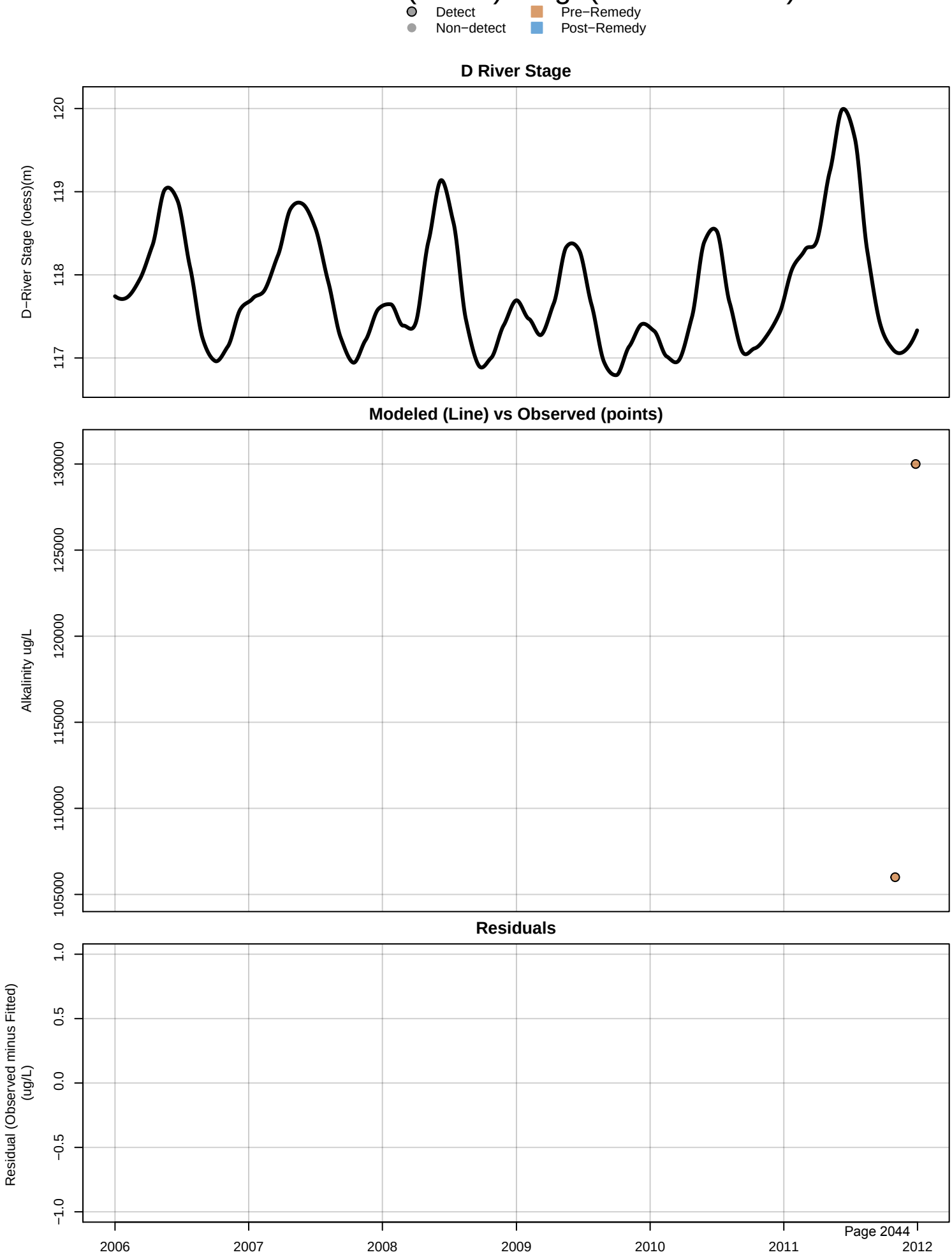
399−1−56 (291m) Lag (Indeterminate)



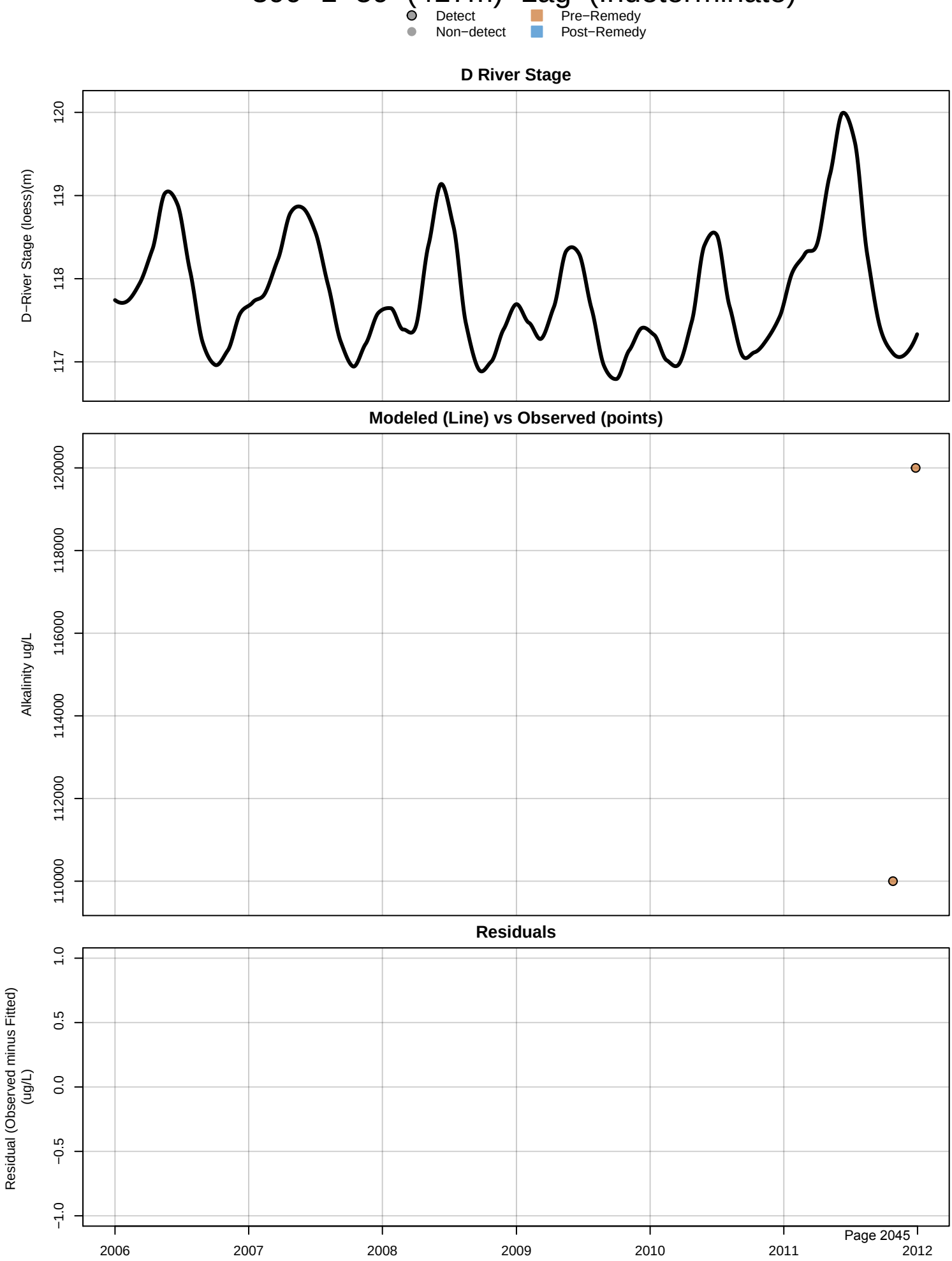
399−1−57 (65m) Lag (Indeterminate)



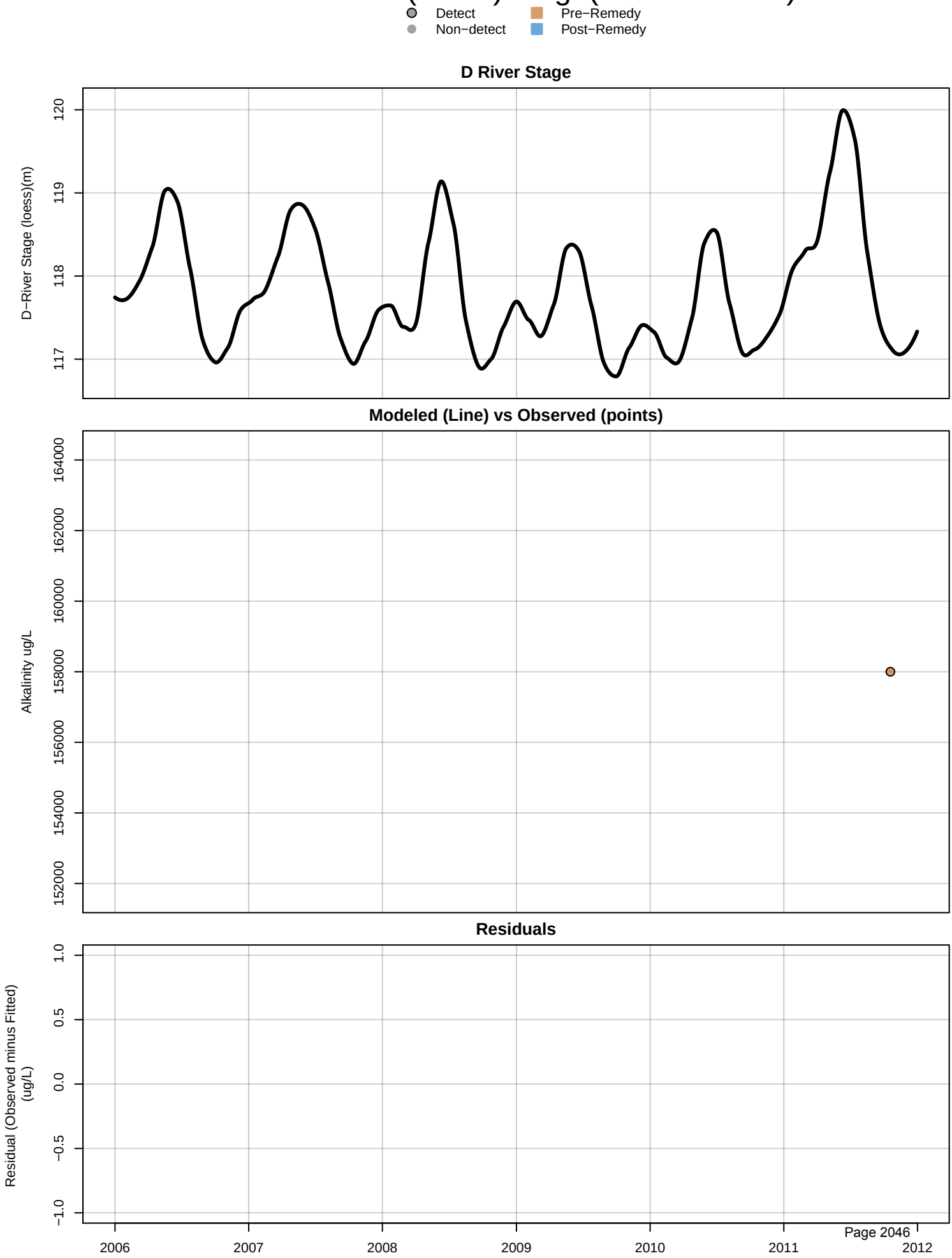
399−1−58 (527m) Lag (Indeterminate)



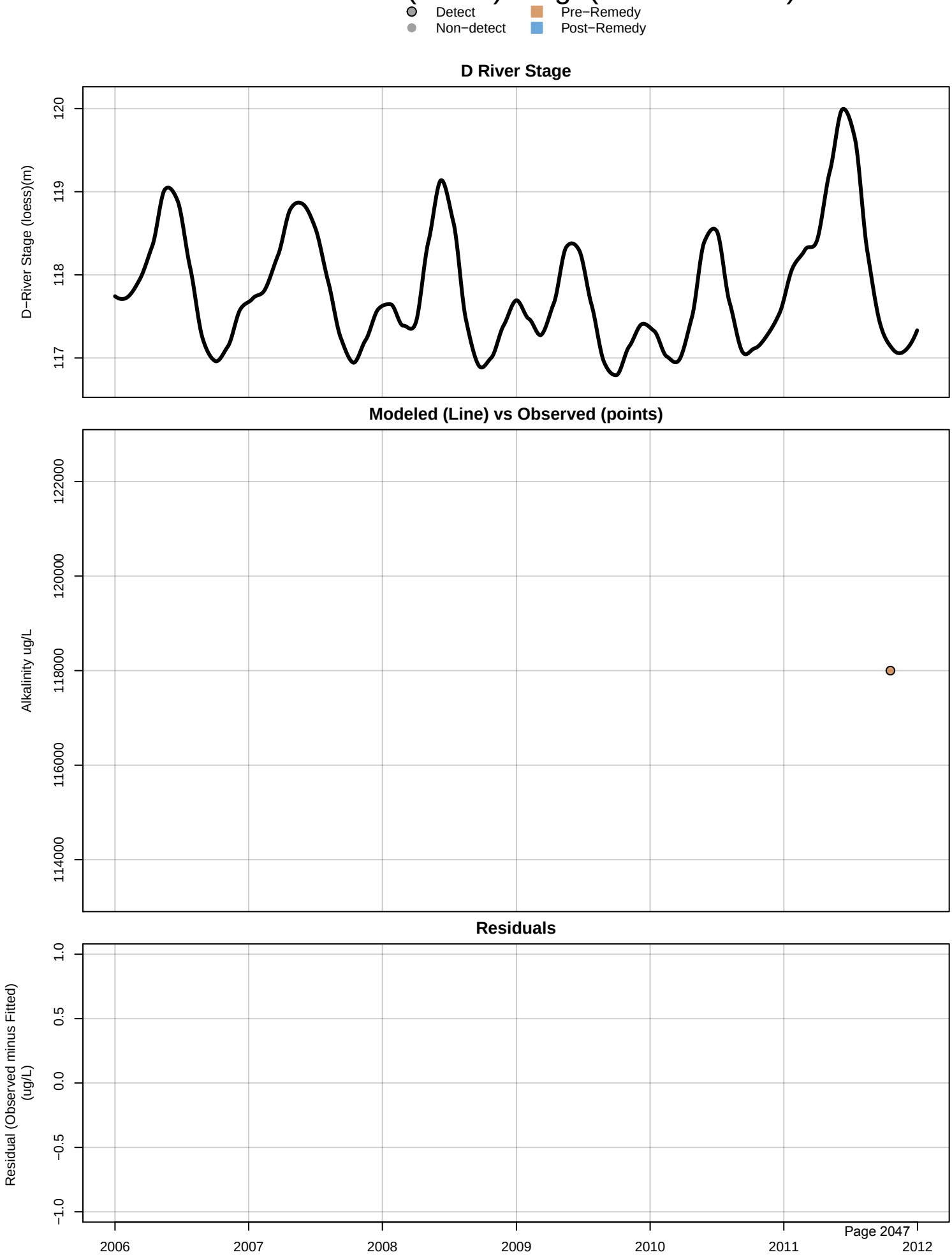
399−1−59 (417m) Lag (Indeterminate)



399−1−62 (177m) Lag (Indeterminate)

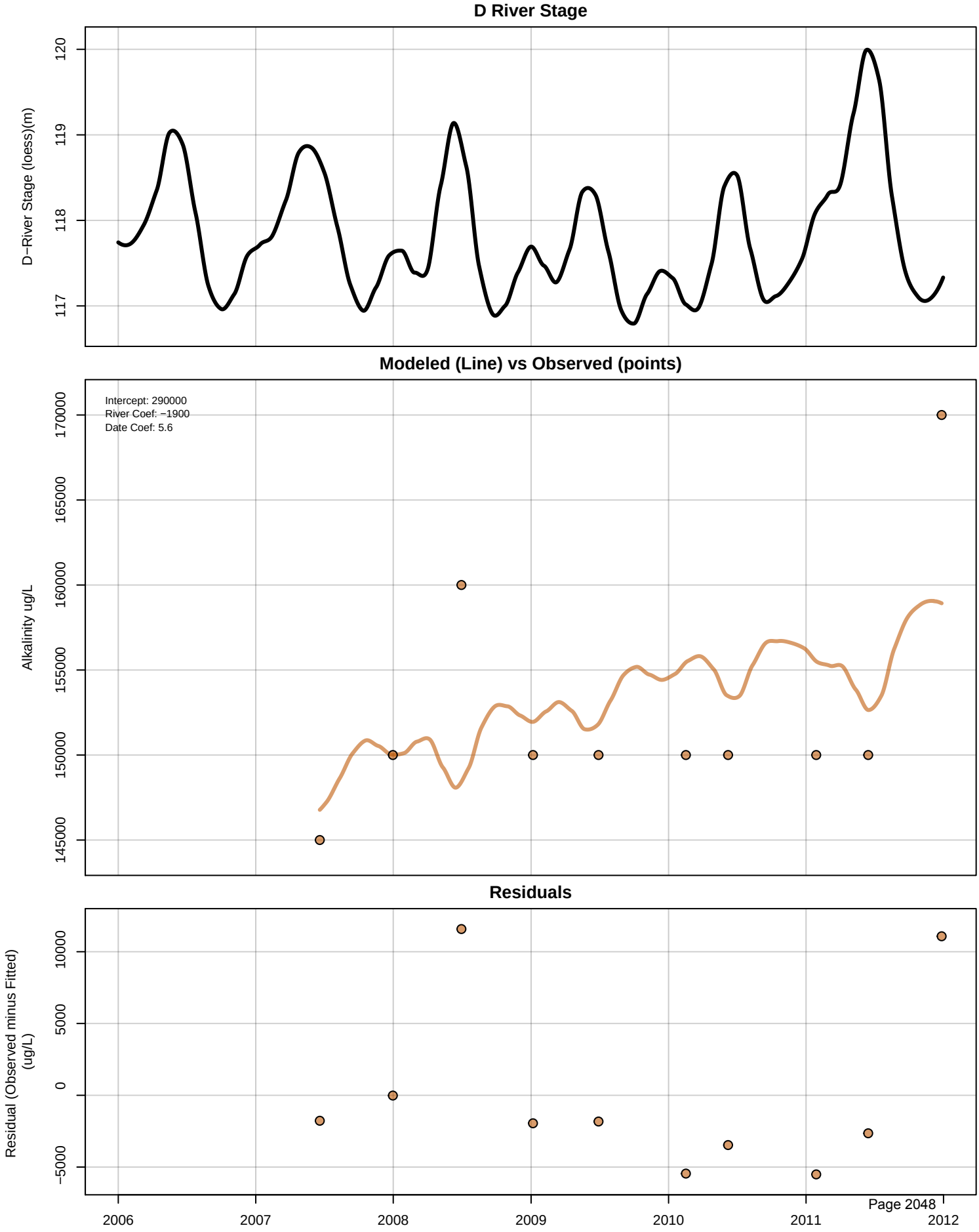


399−1−64 (296m) Lag (Indeterminate)

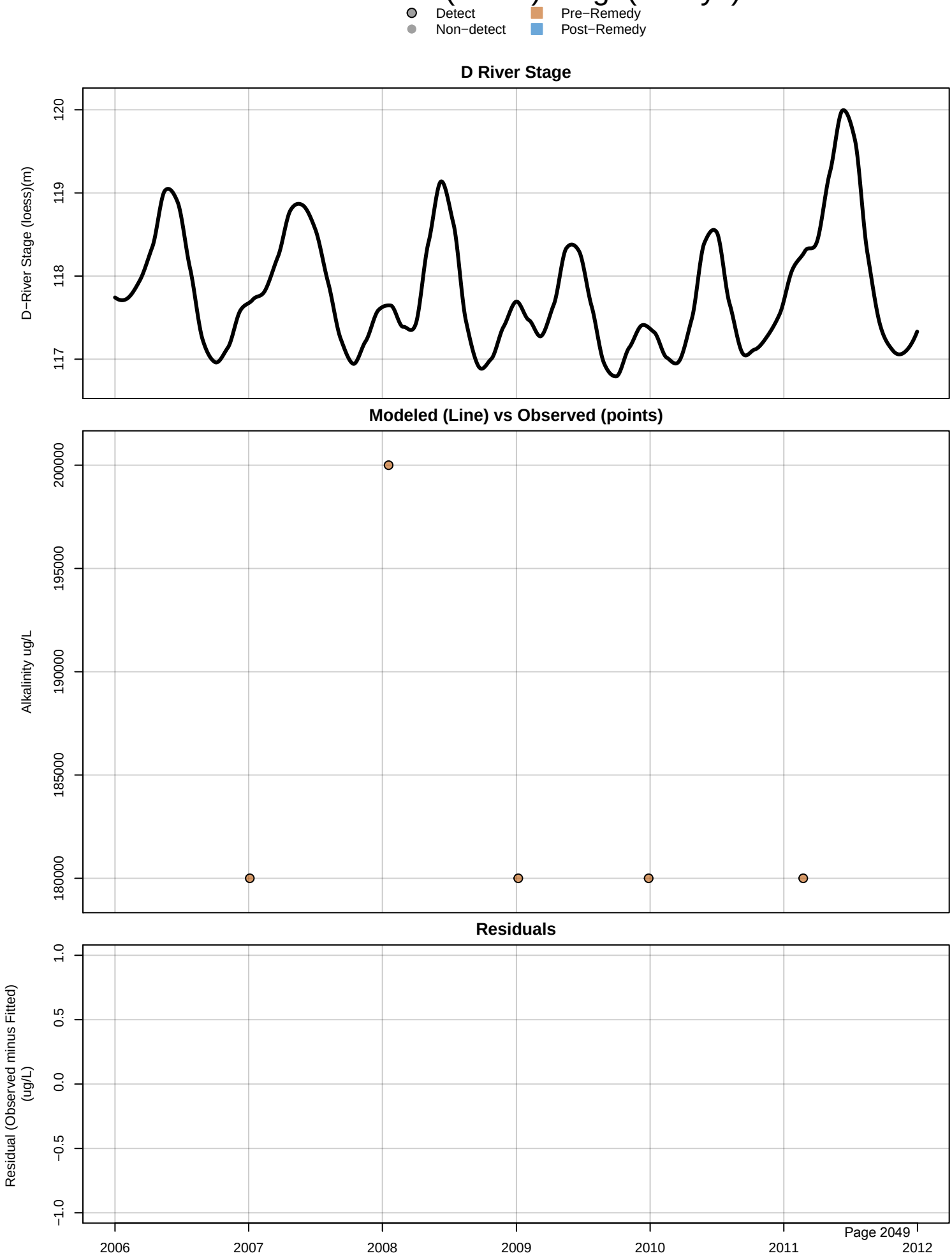


399−1−8 (191m) Lag (6 Days)

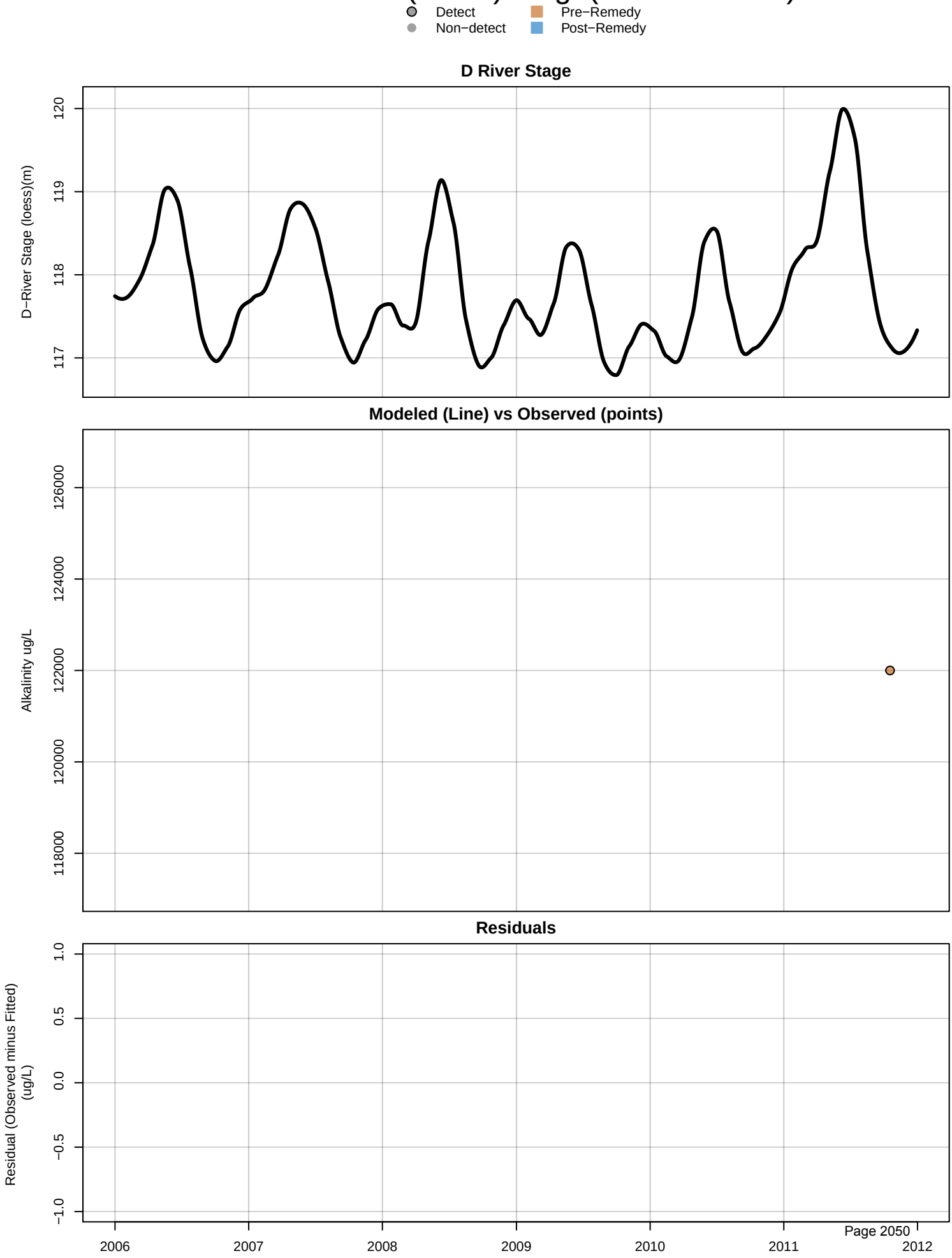
Detect
Non−detect
Pre−Remedy
Post−Remedy



399−1−9 (195m) Lag (6 Days)

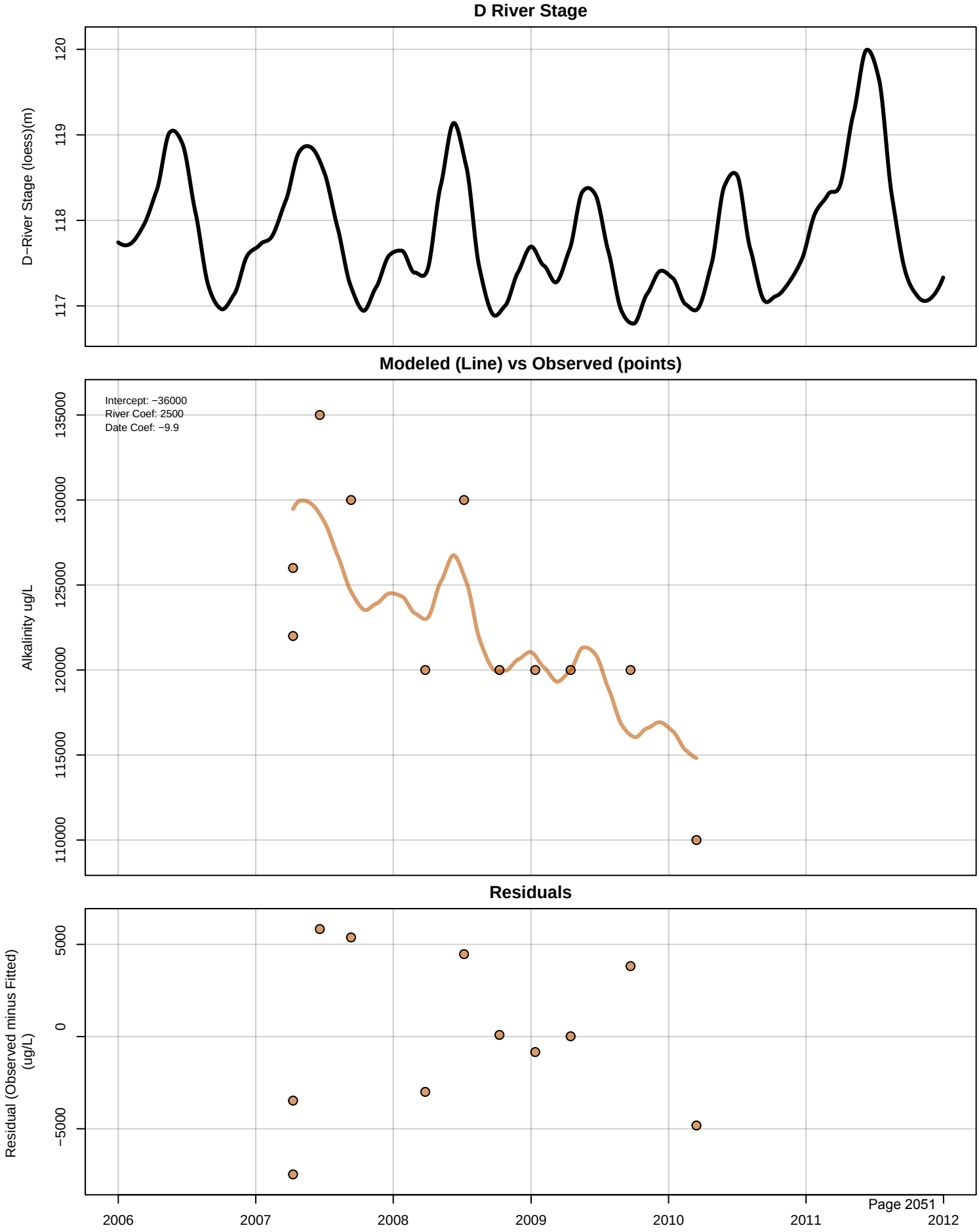


399−2−32 (201m) Lag (Indeterminate)



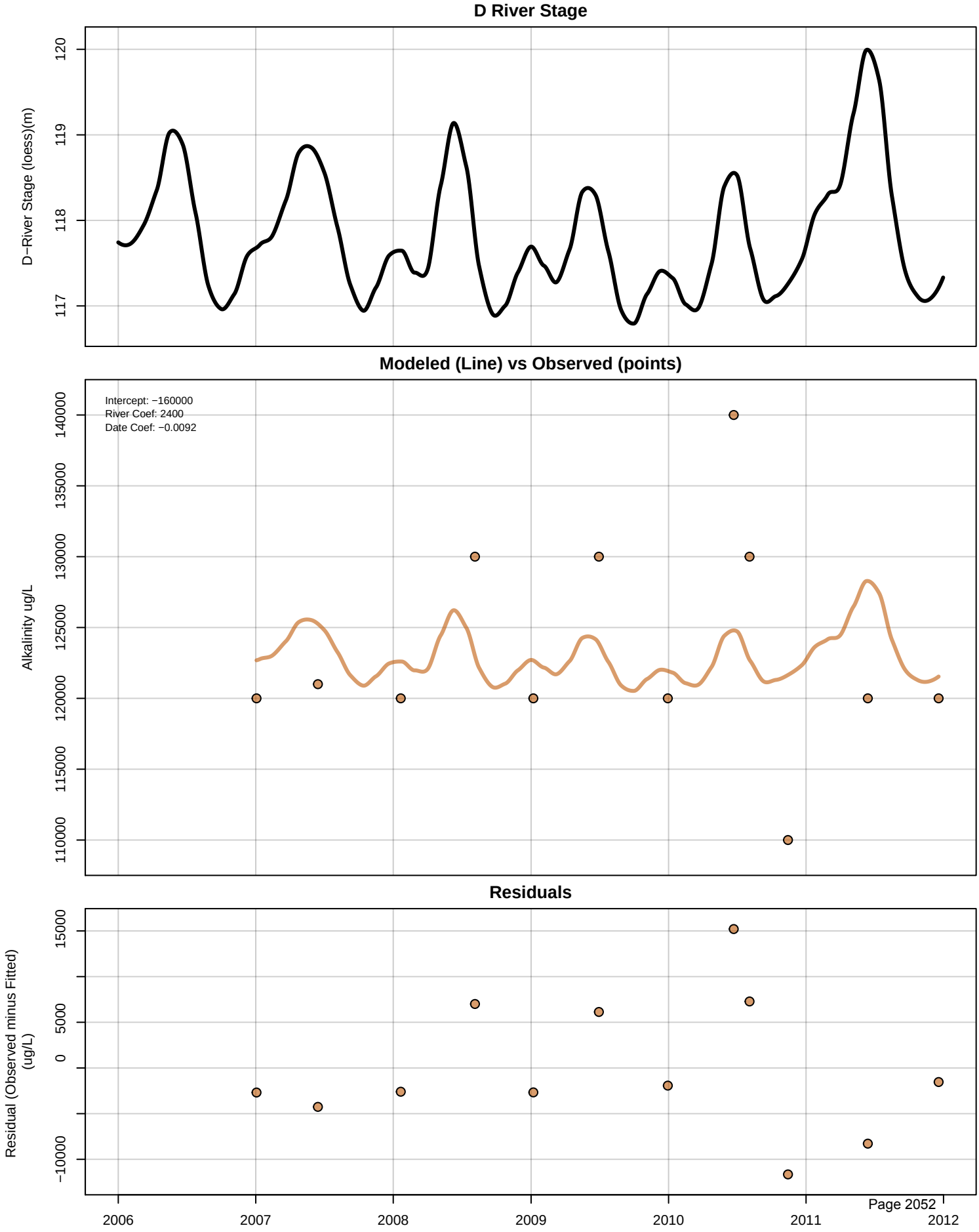
399−3−11 (271m) Lag (1 Days)

Detect
Non−detect
Pre−Remedy
Post−Remedy



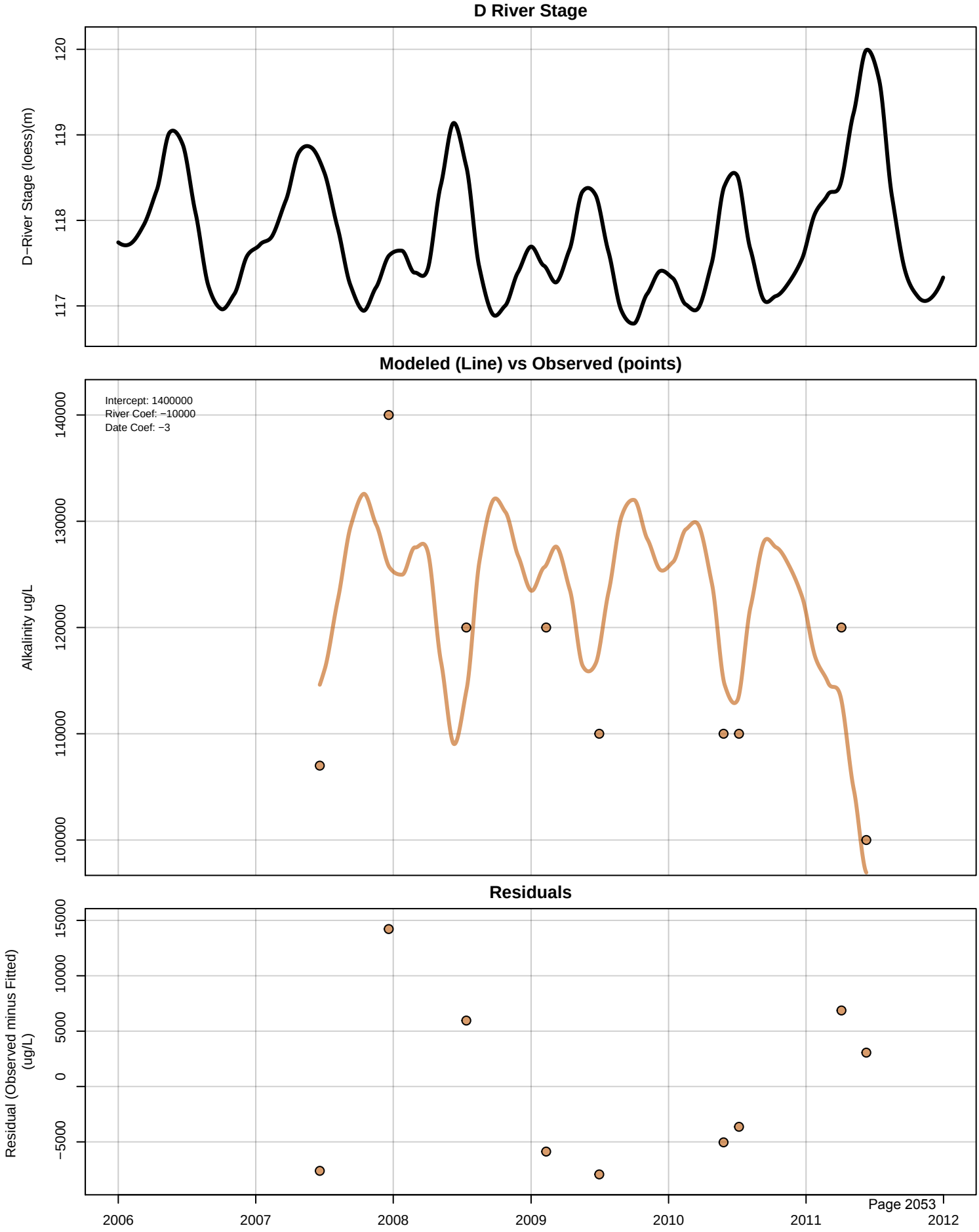
399−3−12 (326m) Lag (0 Days)

Detect
Non−detect
Pre−Remedy
Post−Remedy



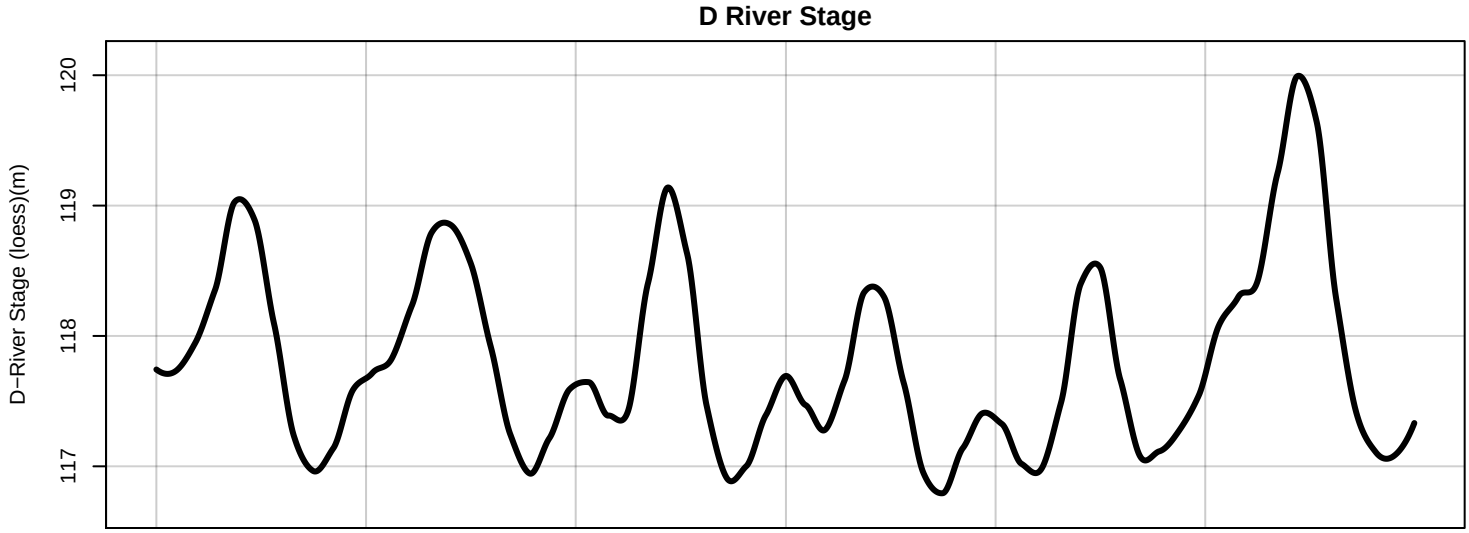
399−3−2 (642m) Lag (1 Days)

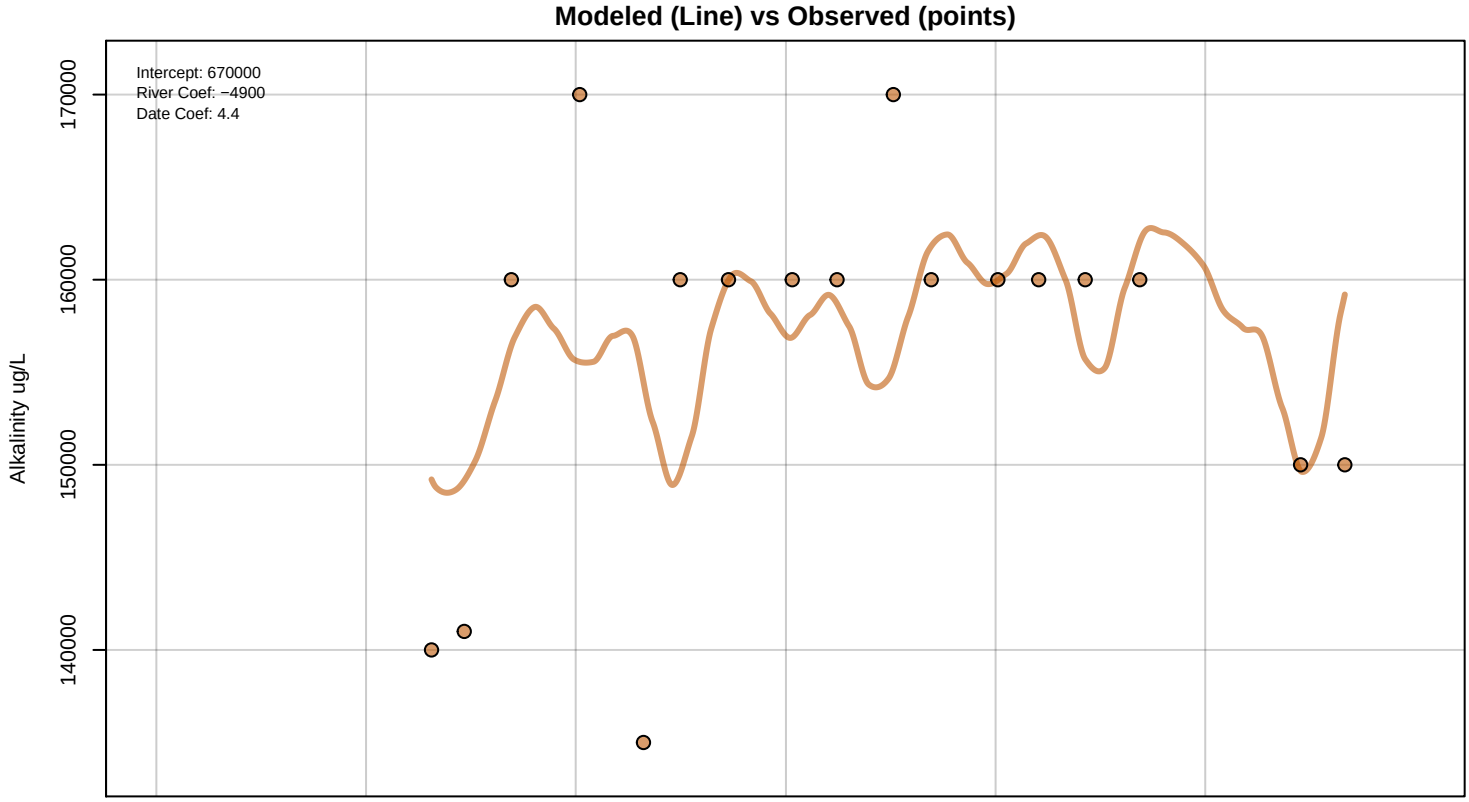
Detect
Non−detect
Pre−Remedy
Post−Remedy

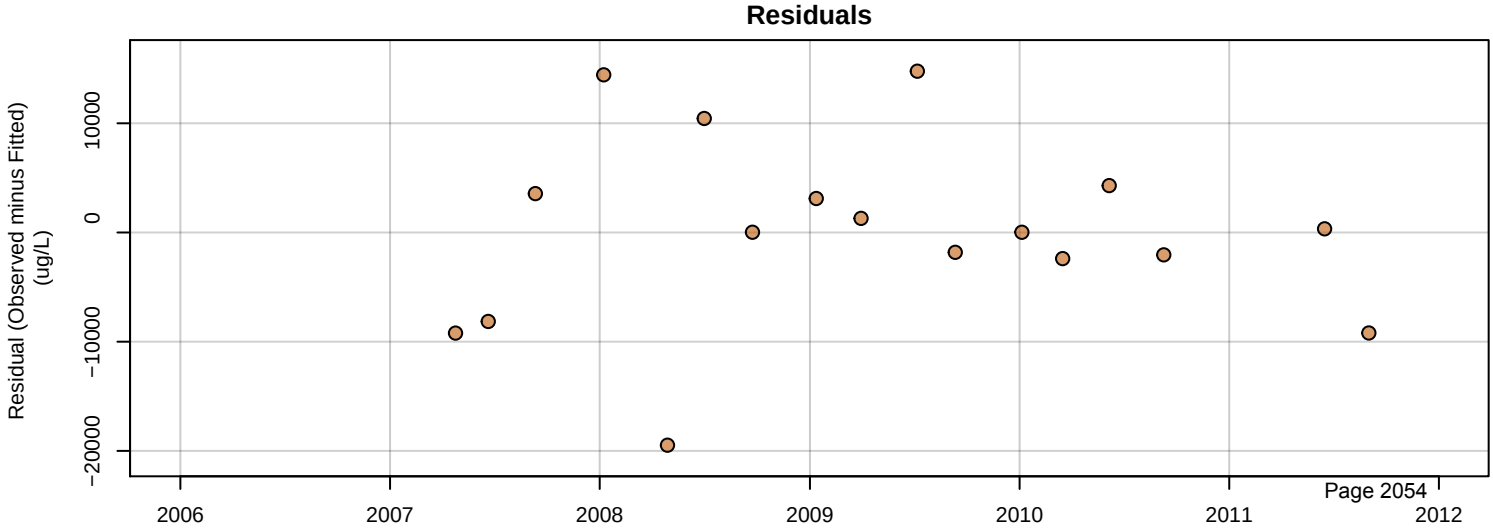


399−3−21 (196m) Lag (8 Days)

Detect
Non−detect
Pre−Remedy
Post−Remedy

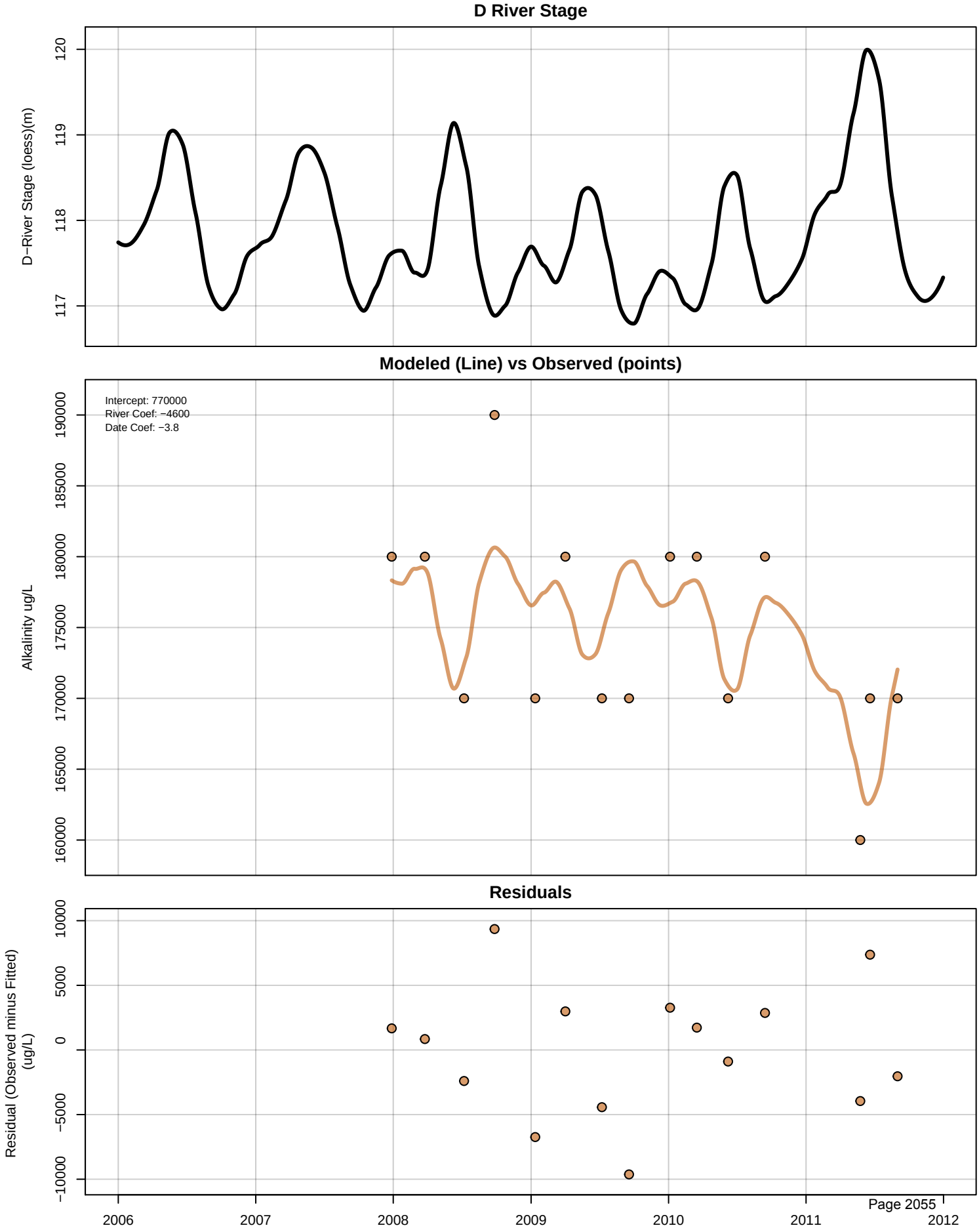




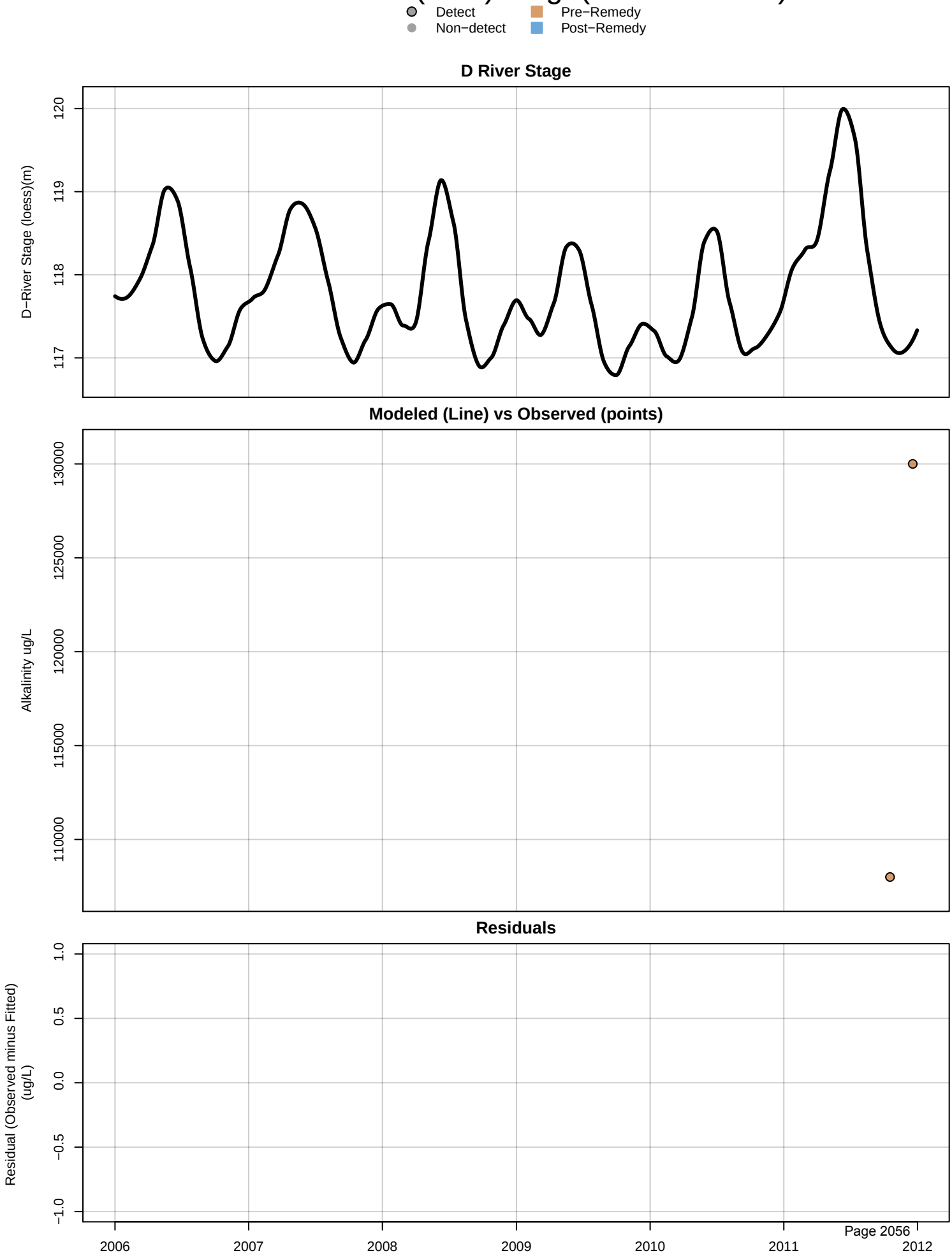


399−3−22 (322m) Lag (0 Days)

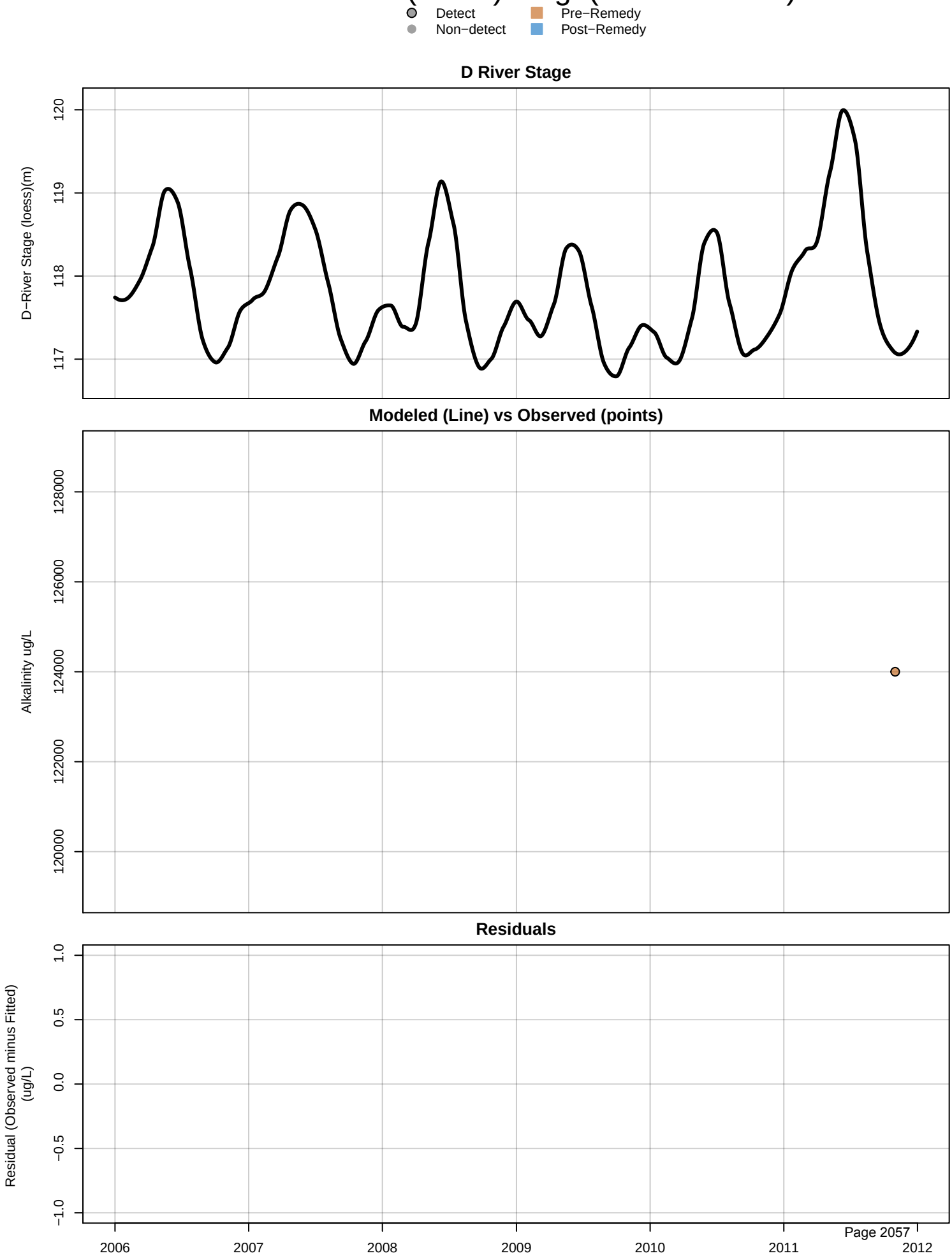
Detect
Non−detect
Pre−Remedy
Post−Remedy



399−3−33 (45m) Lag (Indeterminate)

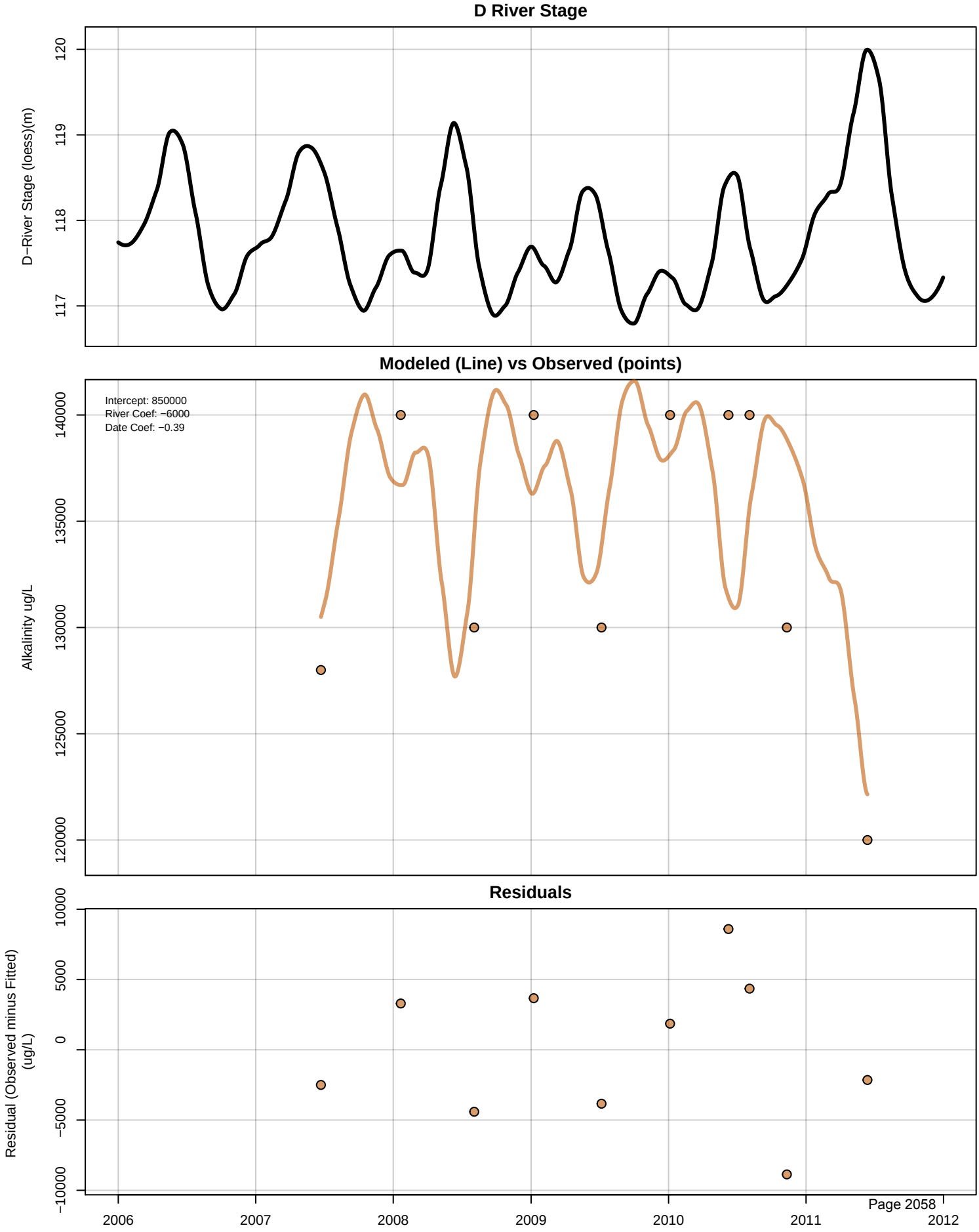


399−3−38 (205m) Lag (Indeterminate)



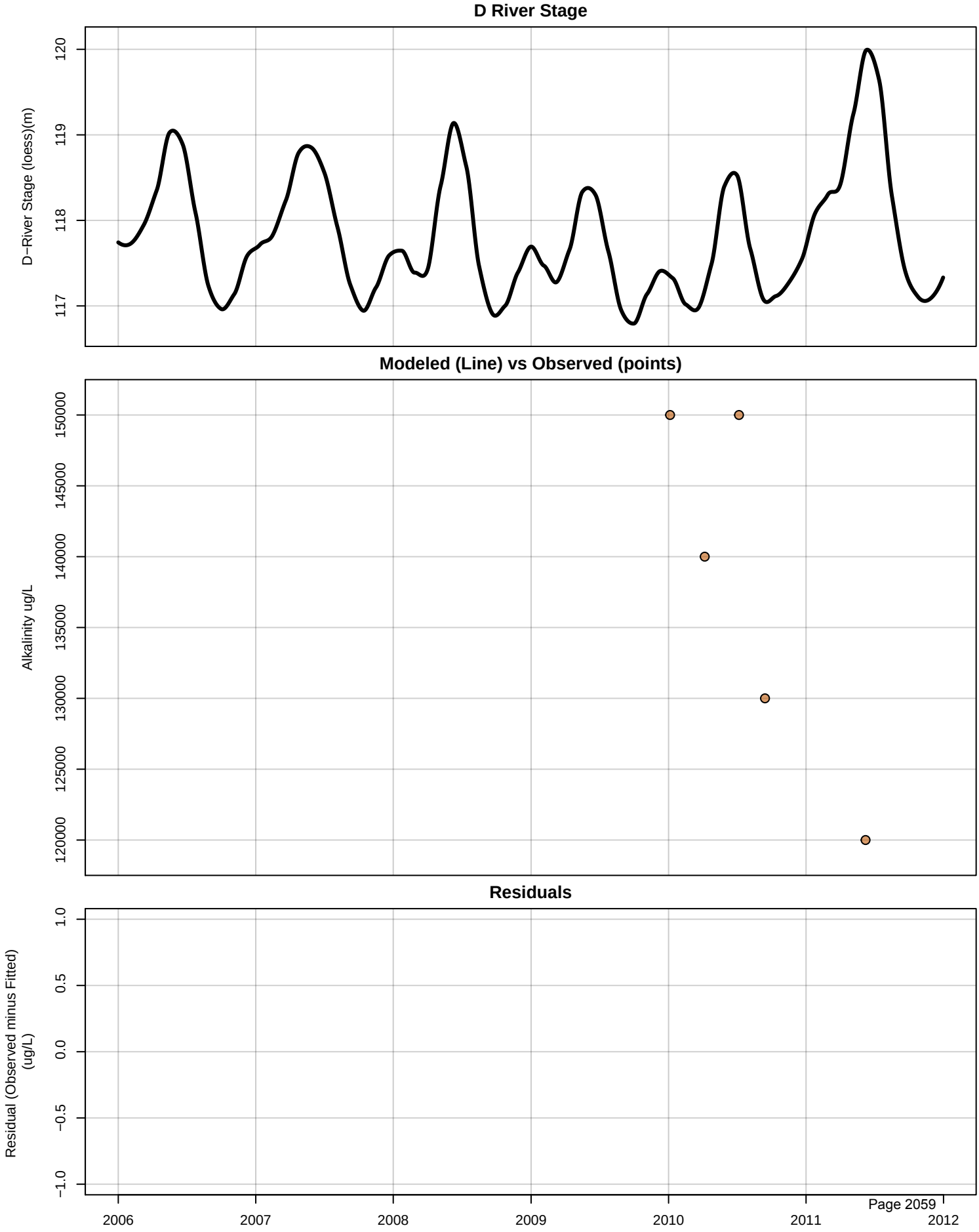
399−4−1 (372m) Lag (3 Days)

Detect
Non−detect
Pre−Remedy
Post−Remedy

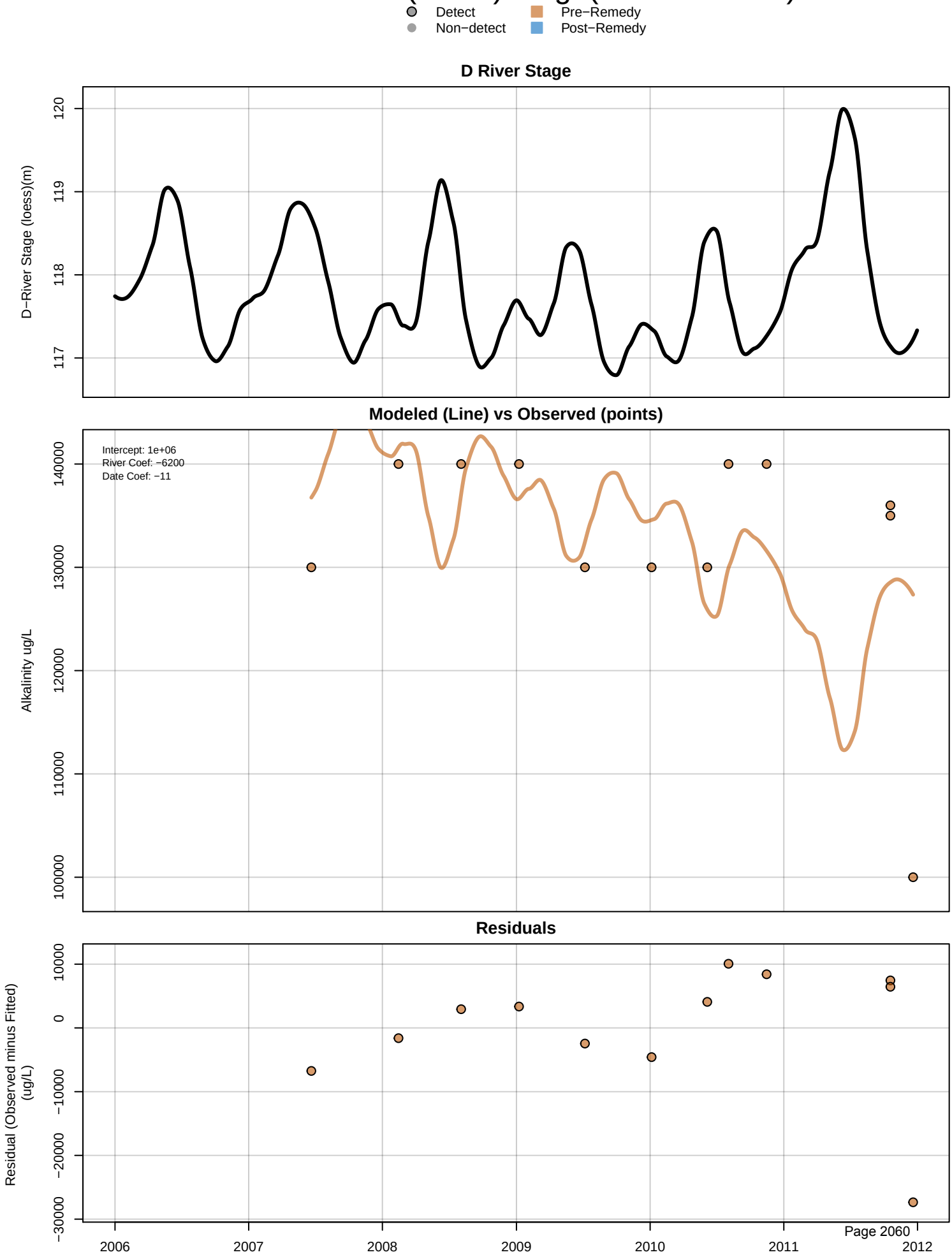


399−4−11 (499m) Lag (12 Days)

Detect
Non−detect
Pre−Remedy
Post−Remedy

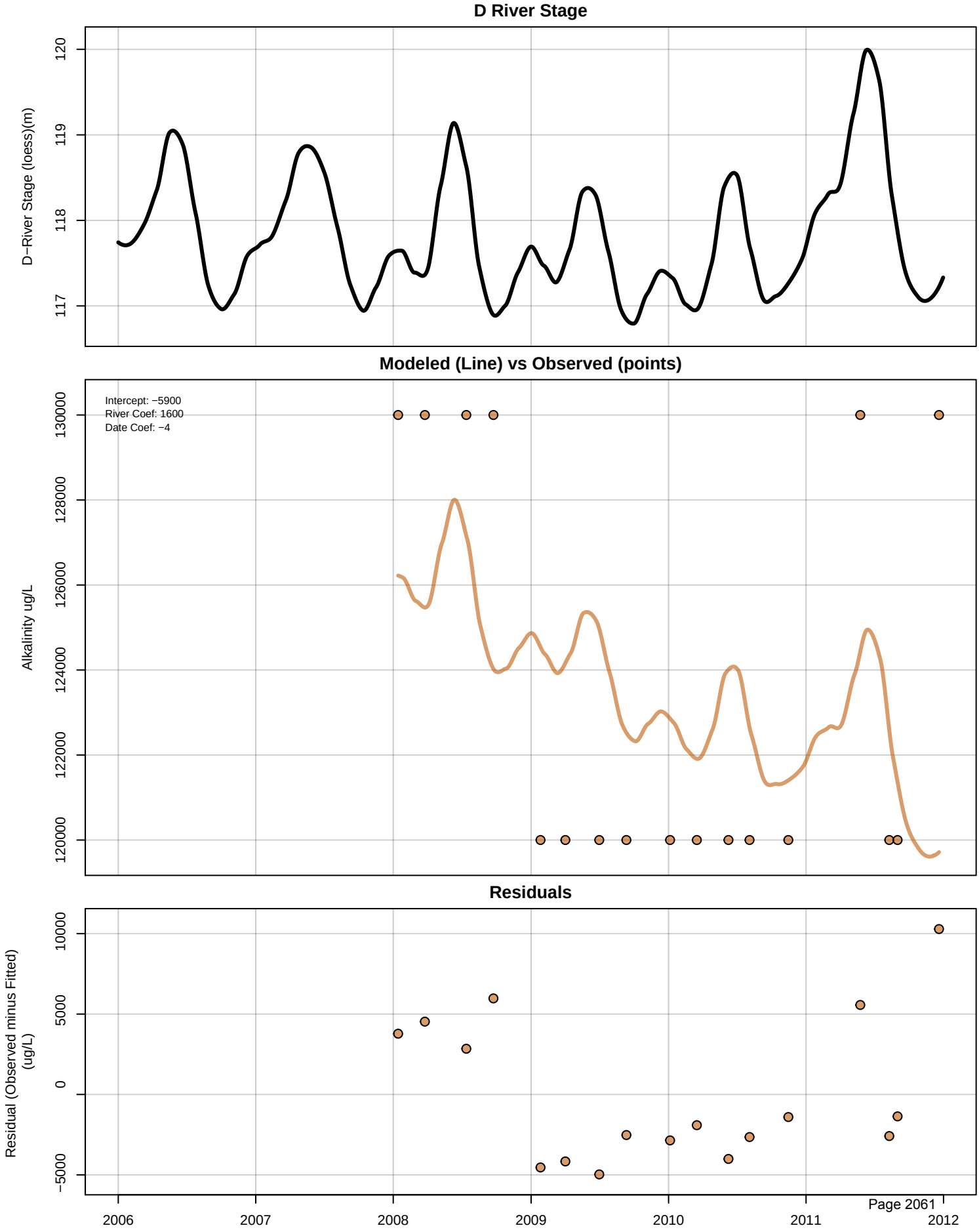


399−4−12 (151m) Lag (Indeterminate)

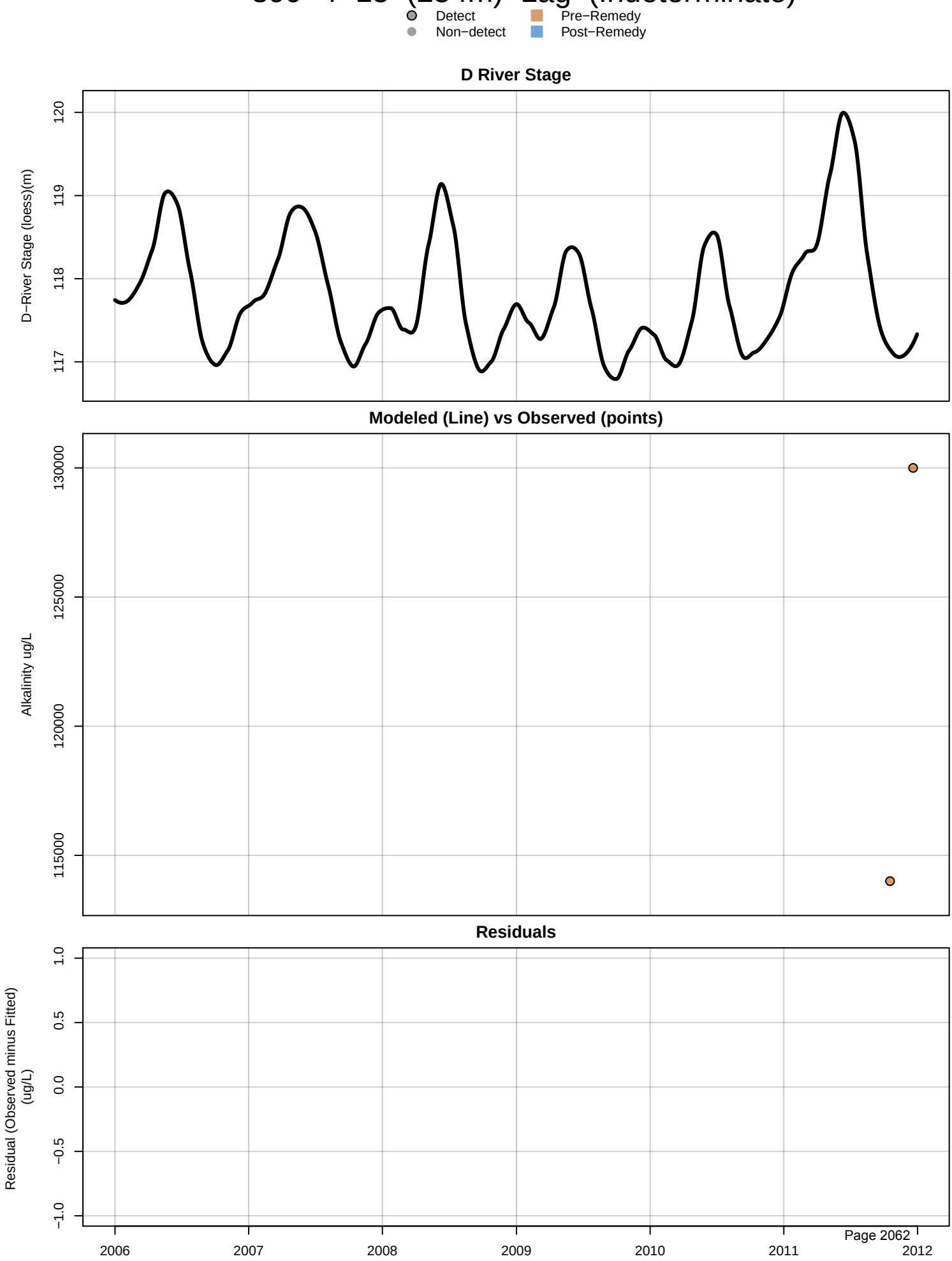


399−4−14 (235m) Lag (3 Days)

Detect
Non−detect
Pre−Remedy
Post−Remedy

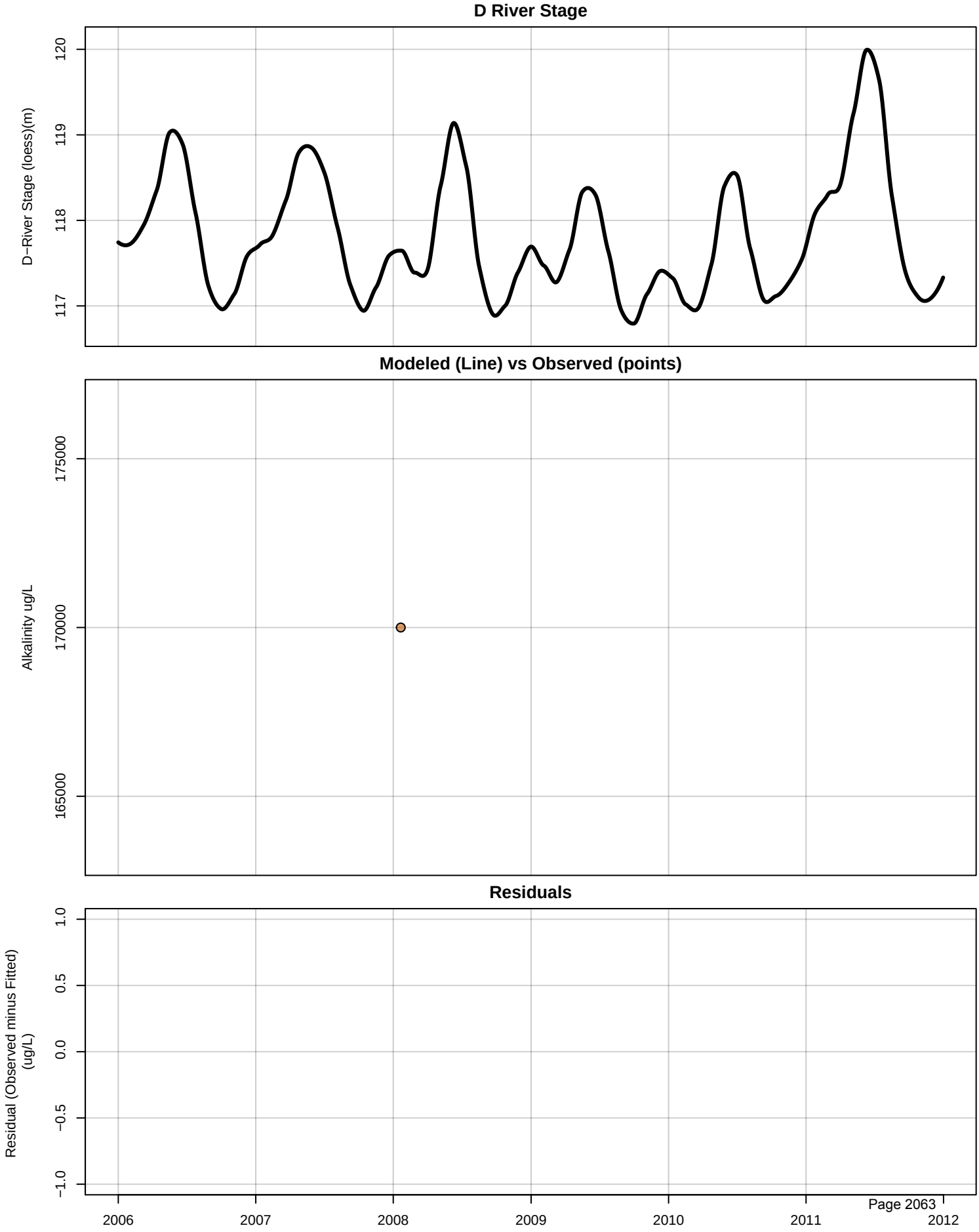


399−4−15 (254m) Lag (Indeterminate)



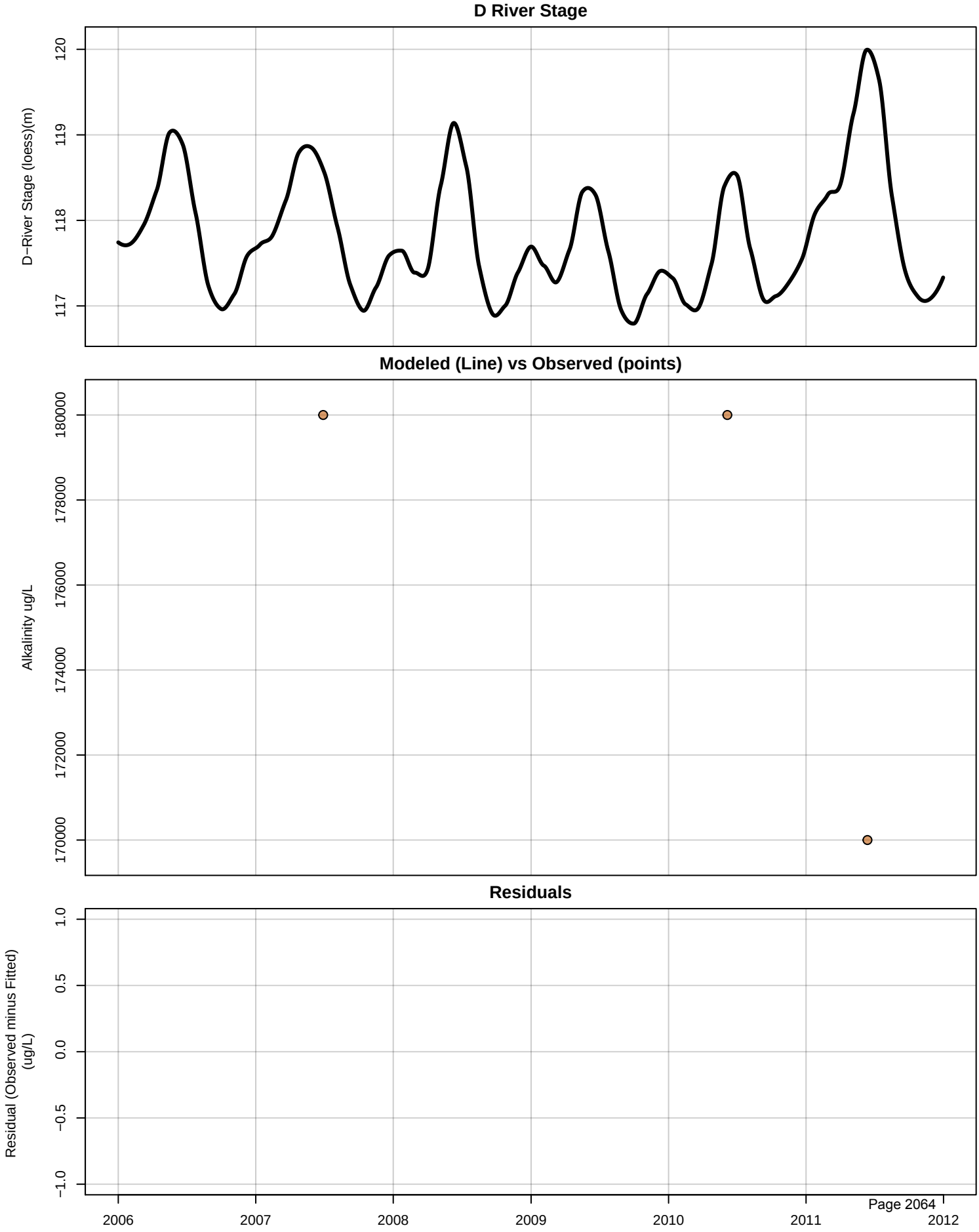
399−5−1 (869m) Lag (15 Days)

Detect
Non−detect
Pre−Remedy
Post−Remedy

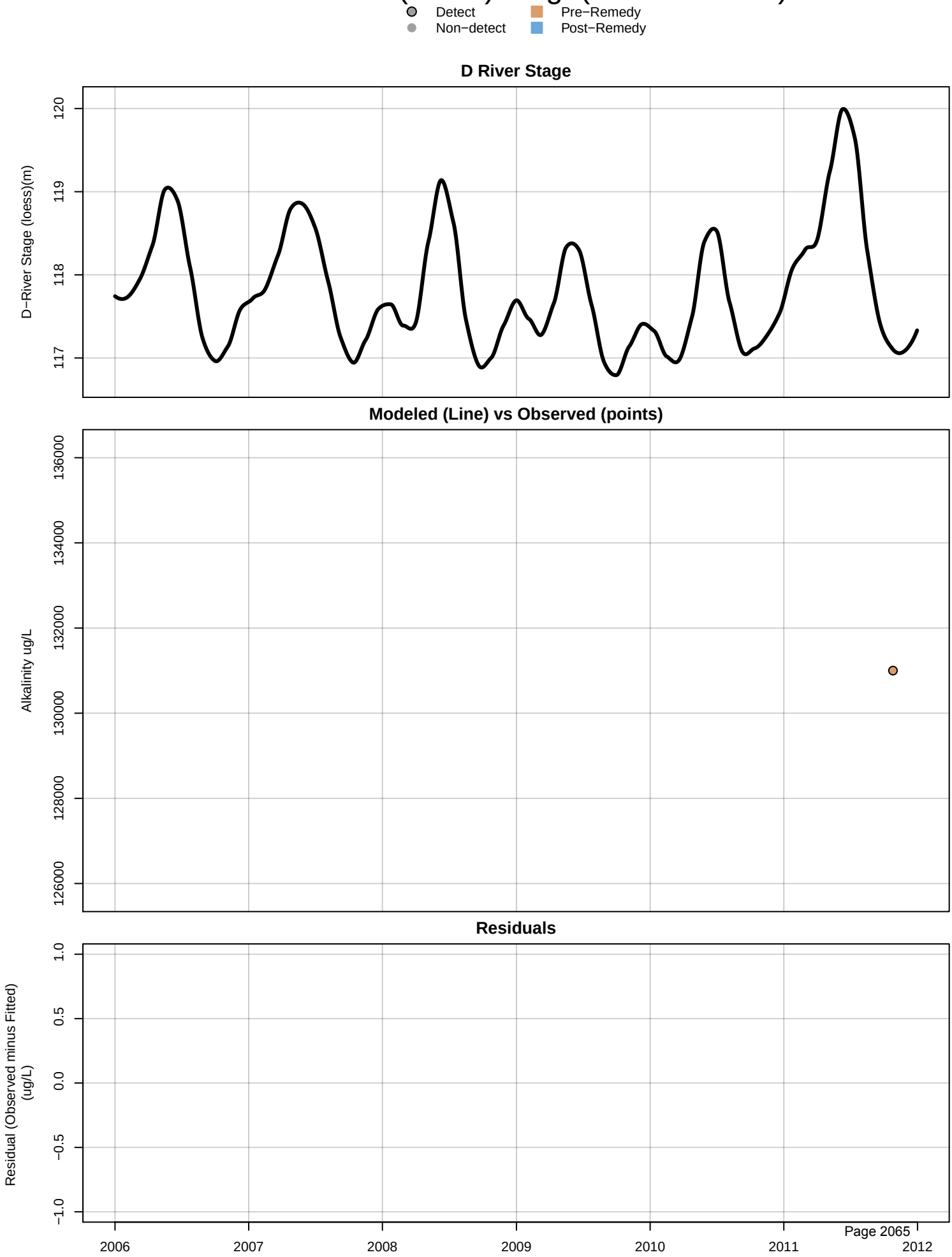


399−5−2 (1797m) Lag (86 Days)

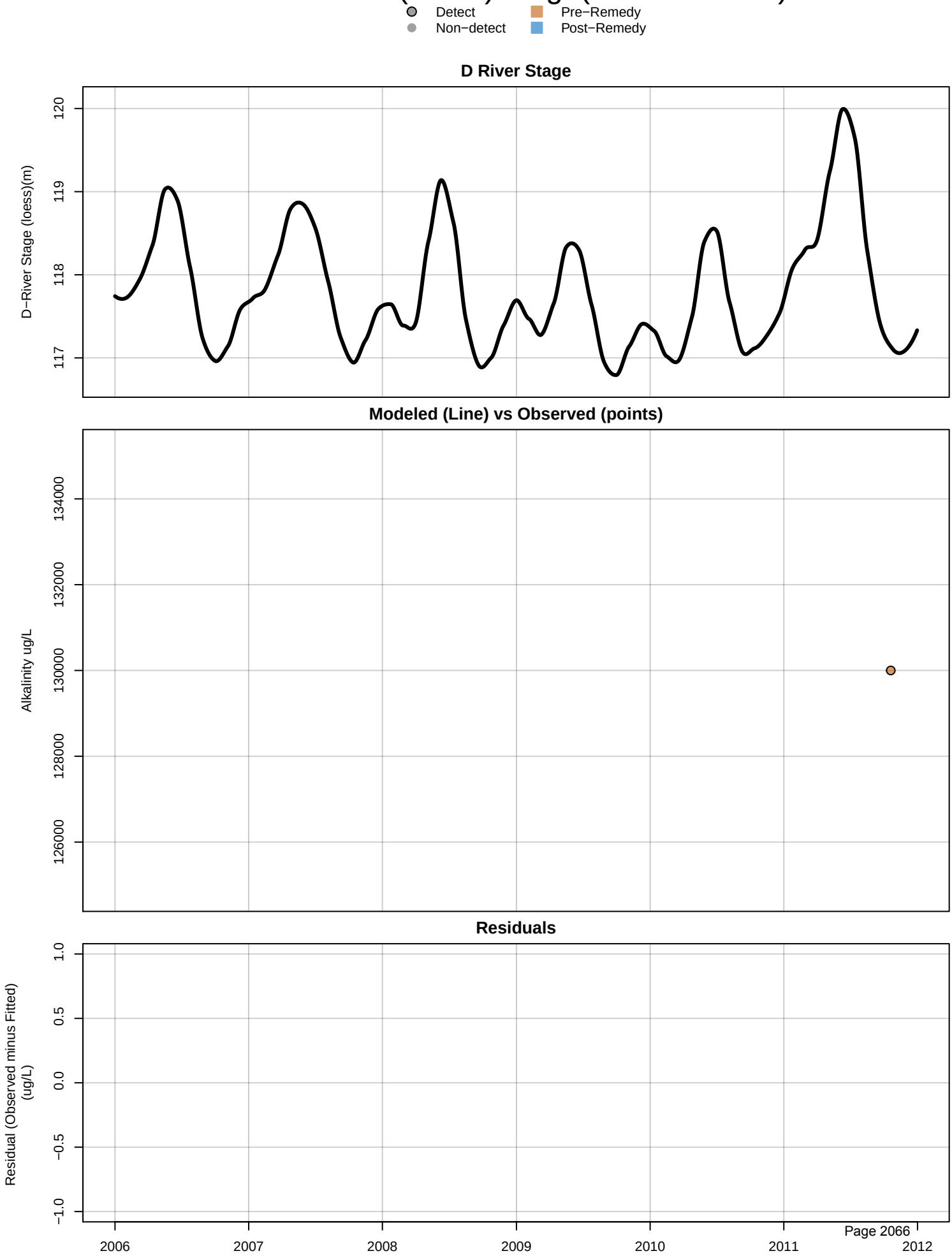
Detect
Non−detect
Pre−Remedy
Post−Remedy



399−6−3 (801m) Lag (Indeterminate)

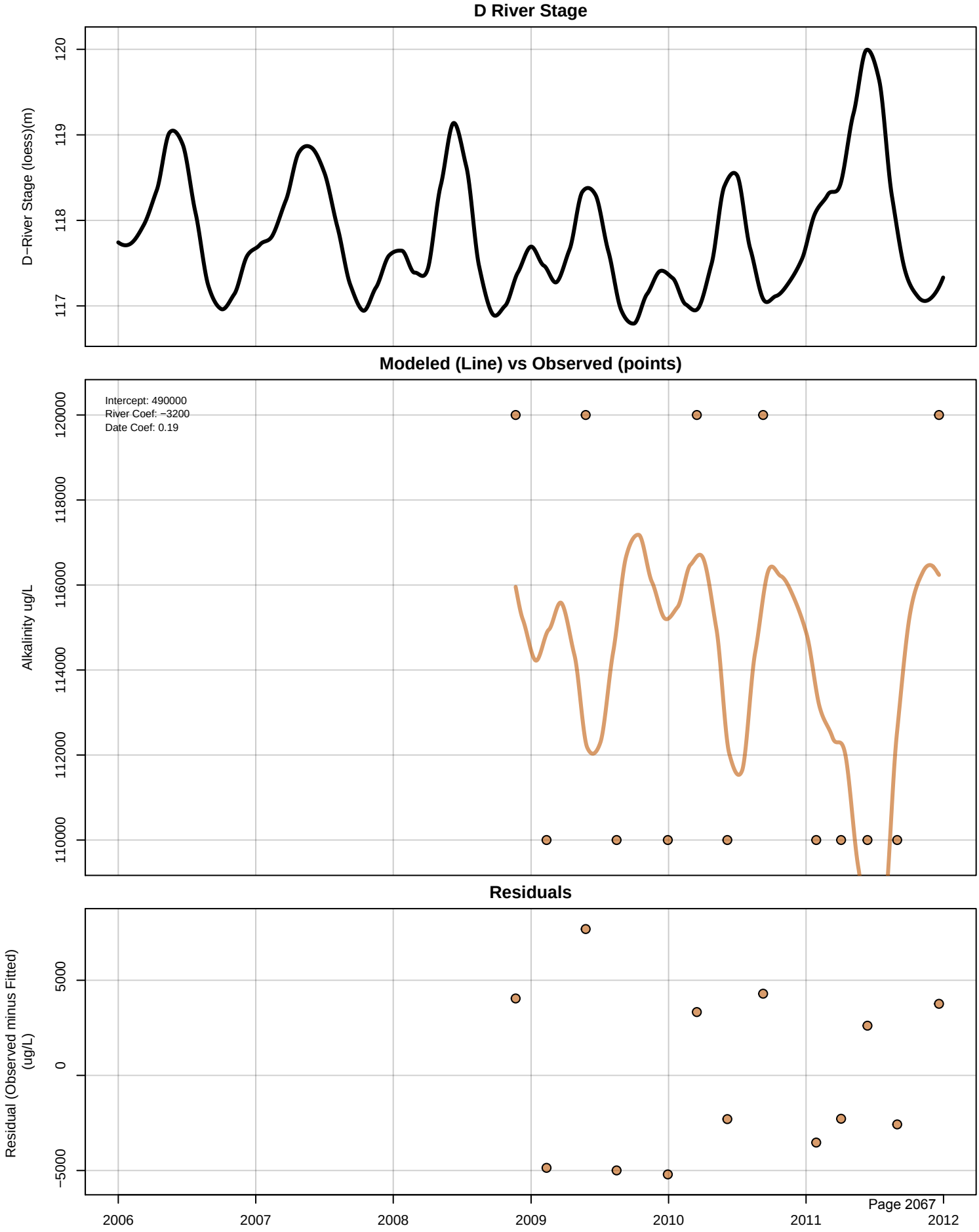


399−6−5 (711m) Lag (Indeterminate)



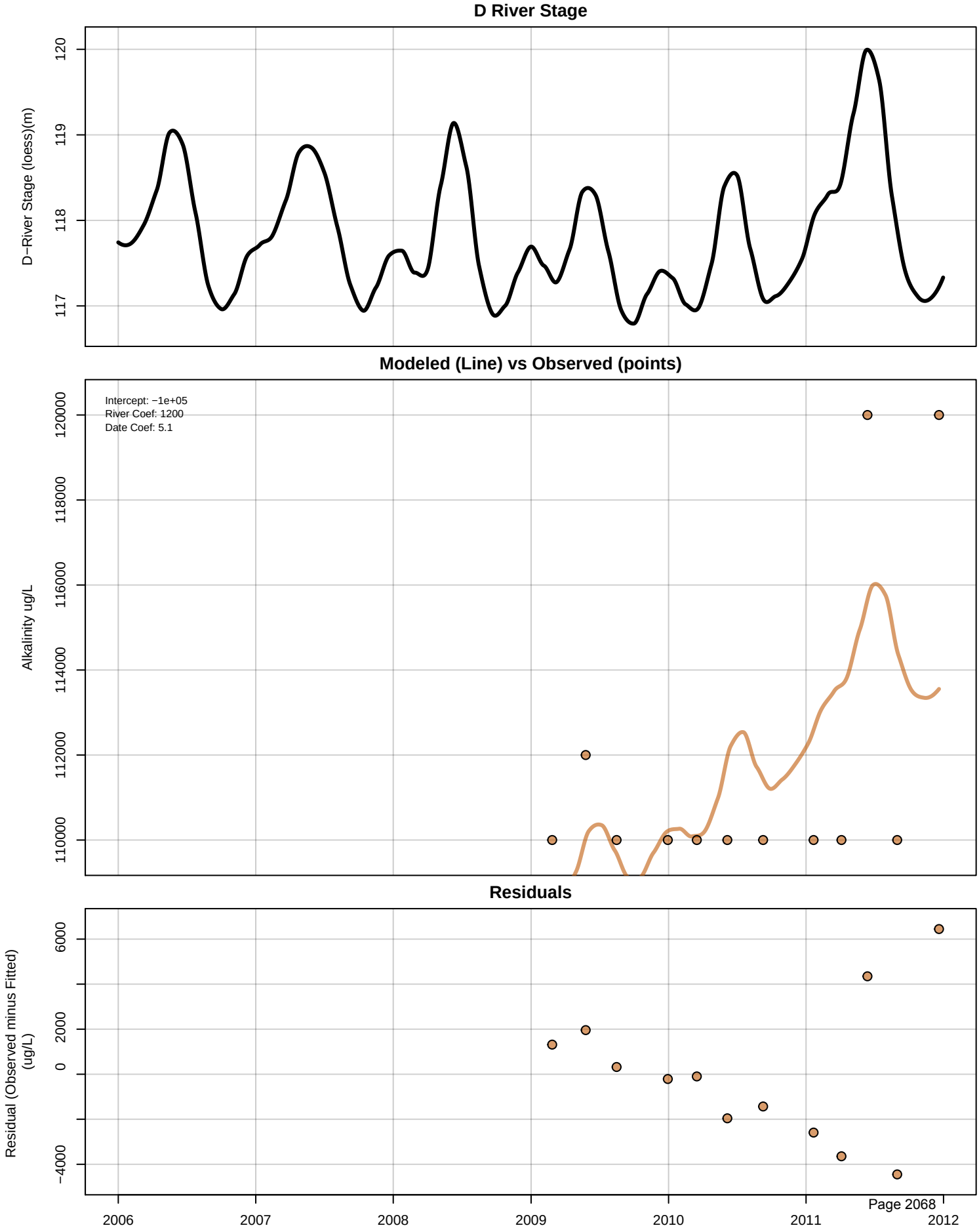
399−8−1 (804m) Lag (13 Days)

Detect
Non−detect
Pre−Remedy
Post−Remedy



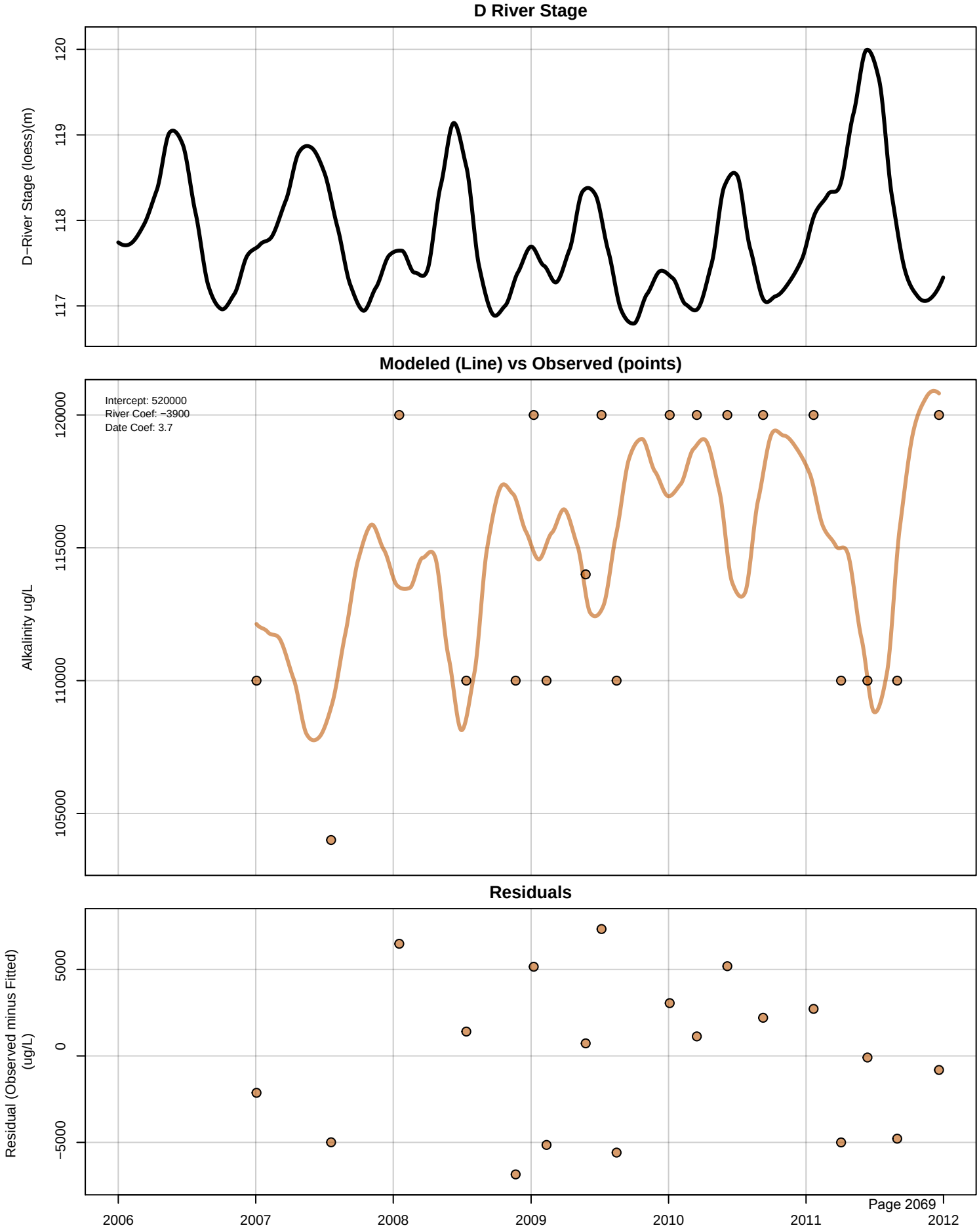
399−8−3 (757m) Lag (17 Days)

Detect
Non−detect
Pre−Remedy
Post−Remedy

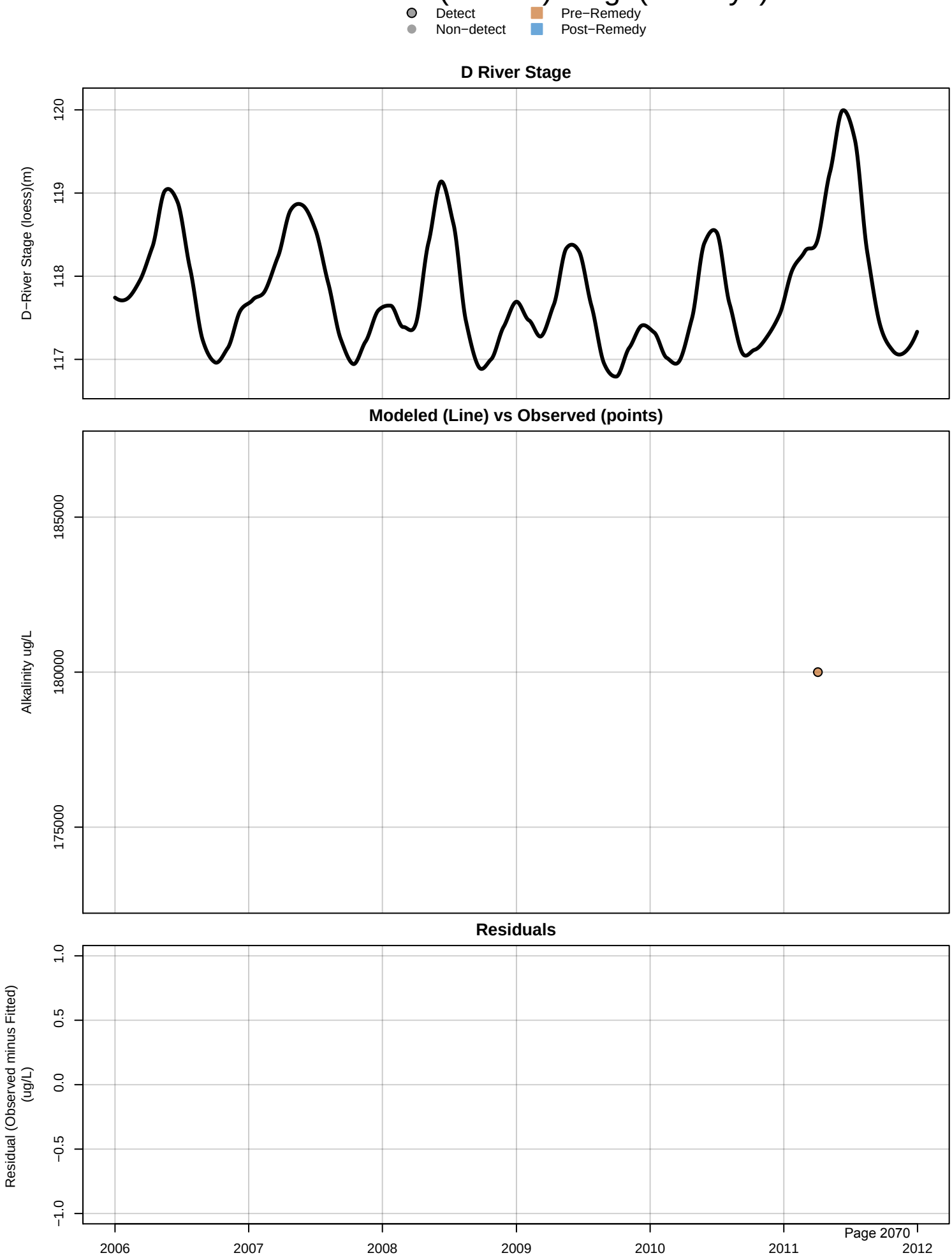


399−8−5A (1009m) Lag (21 Days)

Detect
Non−detect
Pre−Remedy
Post−Remedy



399−8−5C (1007m) Lag (41 Days)



Appendix C. Antimony within 100-FR-3

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

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C-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-F1-2	Antimony	100-FR-3	FALSE	TU	88.74	14.00	0.93	14	4	10	0	14			Unsuccessful	0.485	0.248	IN-USE
199-F5-1	Antimony	100-FR-3	FALSE	TU	106.37	20.00	0.90	16	0	16	0	24			Unsuccessful			IN-USE
199-F5-4	Antimony	100-FR-3	FALSE	TU	722.22	64.00	0.63	15	5	6	4	14			Unsuccessful	0.833	0.905	IN-USE
199-F5-42	Antimony	100-FR-3	FALSE	TU	23.23			14	4	6	4	5			Unsuccessful	0.323	0.214	IN-USE
199-F5-43A	Antimony	100-FR-3	FALSE	TU	27.81	10.00	0.83	18	4	10	4	14			Unsuccessful	0.390	0.696	IN-USE
199-F5-43B	Antimony	100-FR-3	FALSE	LU	27.49			6	0	6	0	2			Unsuccessful			IN-USE
199-F5-44	Antimony	100-FR-3	FALSE	TU	30.88			18	4	10	4	6			Unsuccessful	0.390	0.696	IN-USE
199-F5-45	Antimony	100-FR-3	FALSE	TU	529.88			14	4	6	4	4			Unsuccessful	0.323	0.214	IN-USE
199-F5-46	Antimony	100-FR-3	FALSE	TU	371.10	30.00	0.92	22	8	14	0	16			Unsuccessful	0.047	0.283	IN-USE
199-F5-47	Antimony	100-FR-3	FALSE	TU	791.98			8	0	8	0	5			Unsuccessful			IN-USE
199-F5-48	Antimony	100-FR-3	FALSE	TU	637.40			16	6	6	4	7			Unsuccessful	0.590	0.210	IN-USE
199-F5-52	Antimony	100-FR-3	FALSE	TU	185.98			8	6	2	0	5	5	0	Unsuccessful			IN-USE
199-F5-53	Antimony	100-FR-3	FALSE	MU	81.98			8	6	2	0	3	0	3	Unsuccessful			IN-USE
199-F5-54	Antimony	100-FR-3	FALSE	TU	248.26			8	6	2	0	5	4	1	Unsuccessful			IN-USE
199-F5-6	Antimony	100-FR-3	FALSE	TU	122.60	2.00	0.86	22	4	14	4	13			Unsuccessful	0.234	0.429	IN-USE
199-F6-1	Antimony	100-FR-3	FALSE	TU	51.15	18.00	0.82	15	4	4	7	10			Unsuccessful	0.803	0.657	IN-USE
199-F7-1	Antimony	100-FR-3	FALSE	TU	1649.57	64.00	0.26	18	4	10	4	15			Unsuccessful	0.390	0.696	IN-USE
199-F7-2	Antimony	100-FR-3	FALSE	TU	828.51	81.00	0.71	18	2	12	4	14	14	0	Unsuccessful			IN-USE
199-F7-3	Antimony	100-FR-3	FALSE	TU	1467.91	171.00	0.51	18	4	12	2	11			Unsuccessful	0.791	1.000	IN-USE
199-F8-2	Antimony	100-FR-3	FALSE	TU	898.90			14	4	6	4	8			Unsuccessful	0.327	0.533	IN-USE
199-F8-3	Antimony	100-FR-3	FALSE	TU	1141.19	179.00	0.70	18	4	12	2	18			Unsuccessful	0.553	0.156	IN-USE
199-F8-4	Antimony	100-FR-3	FALSE	TU	609.71	72.00	0.64	18	6	6	6	17			Unsuccessful	0.309	0.563	IN-USE
199-F8-7	Antimony	100-FR-3	FALSE		1257.64	180.00	0.73	22	4	16	2	11	11	0	Unsuccessful	0.034	0.229	IN-USE

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

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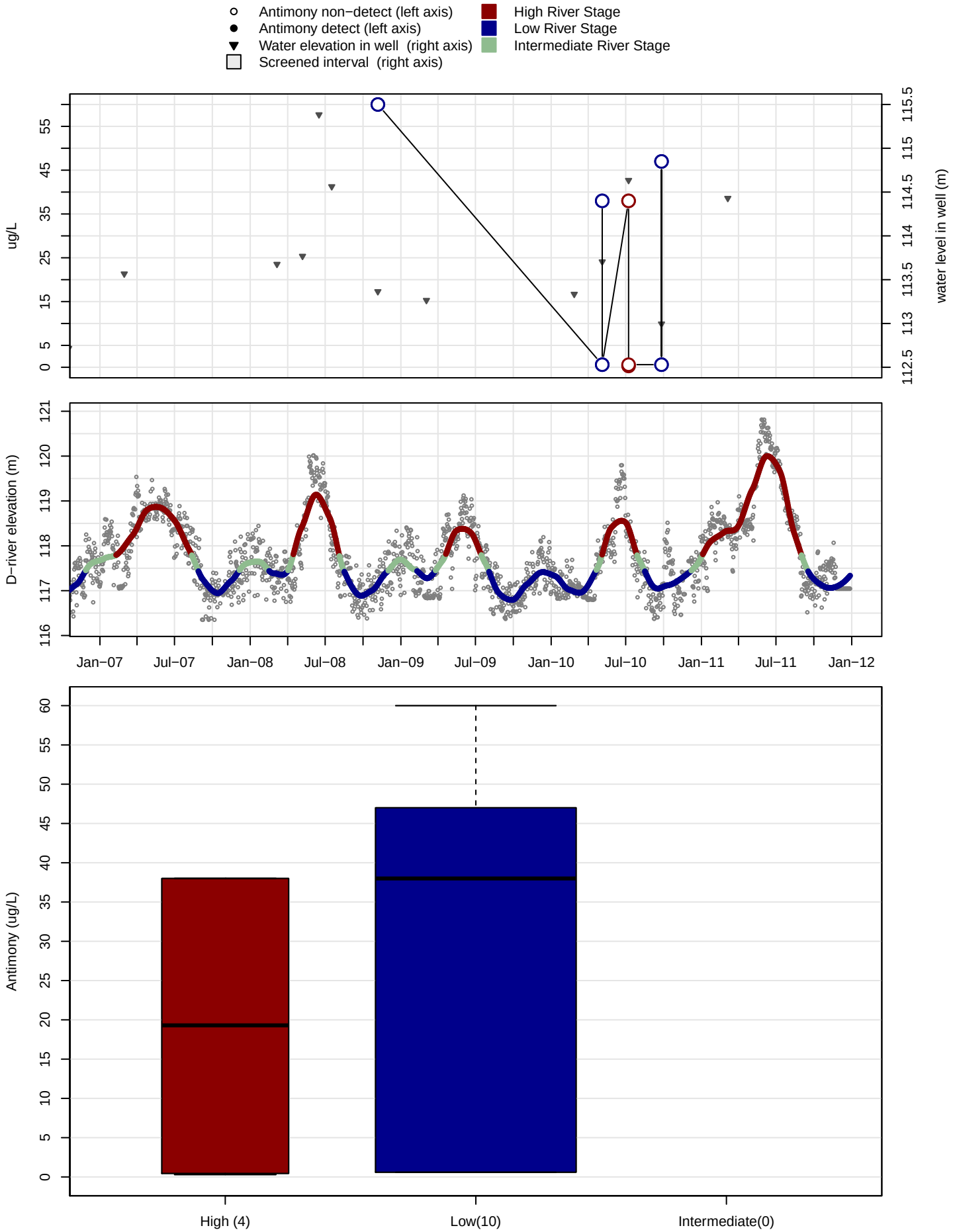
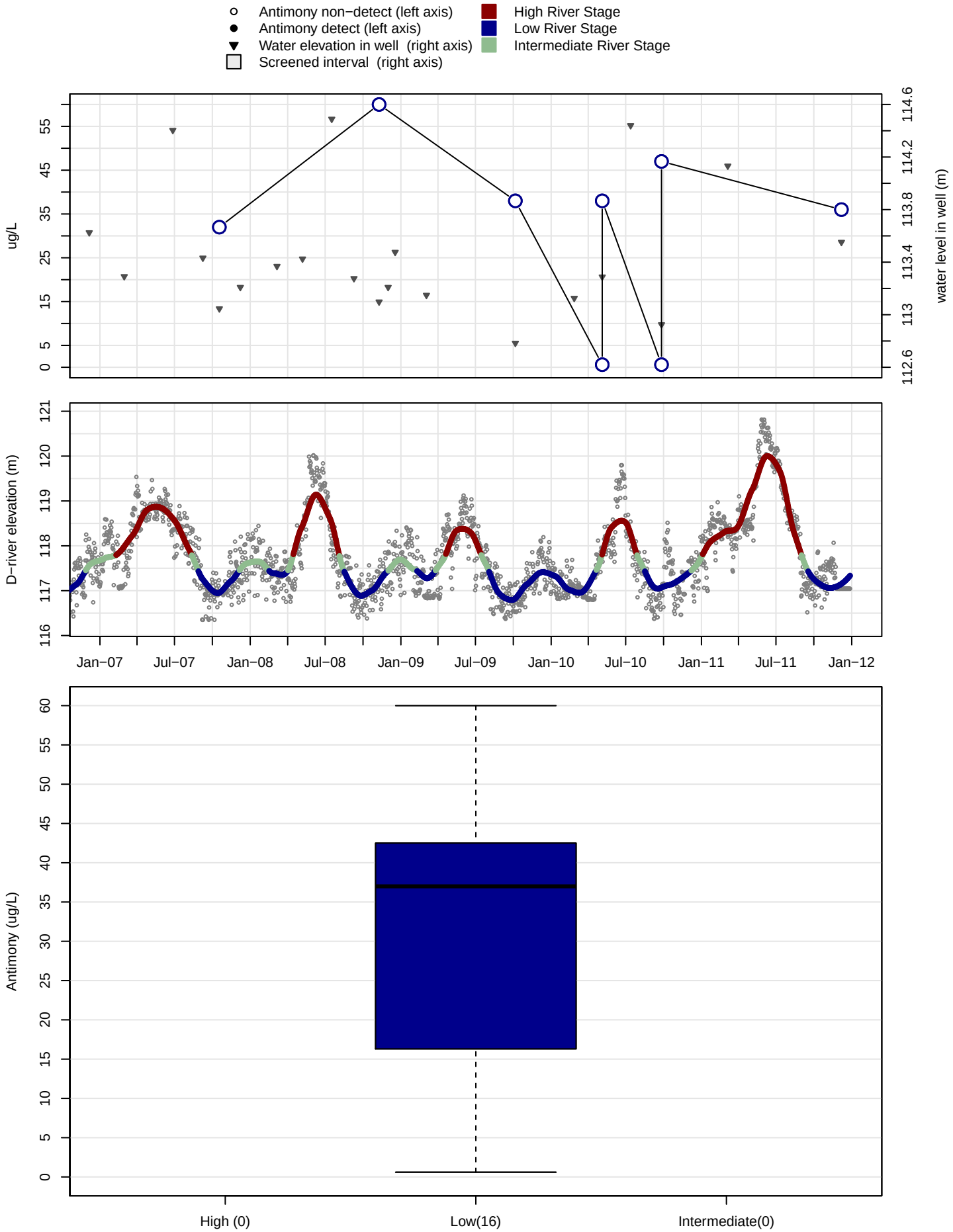
199−F1−2 (89m) Lag (14 Days)



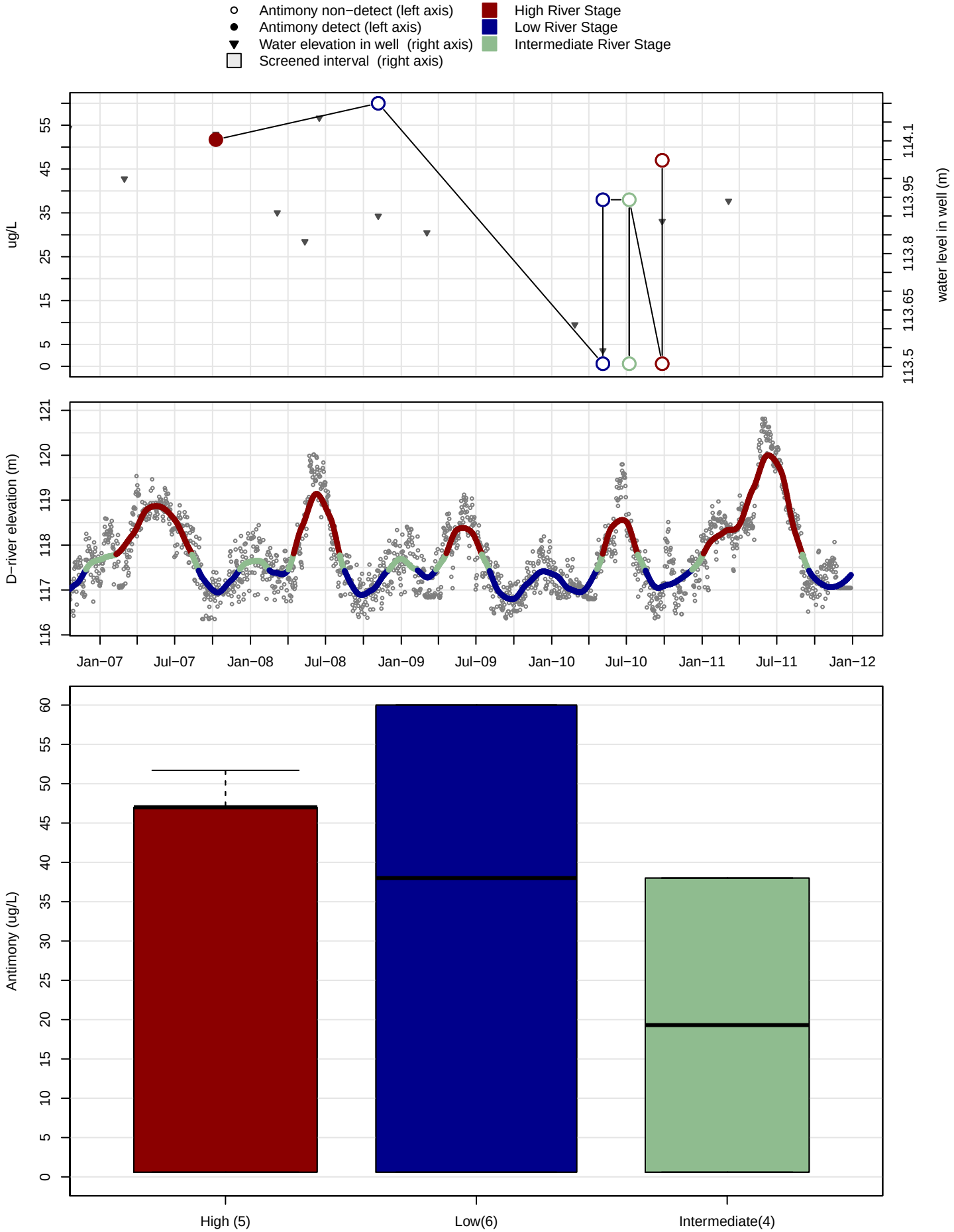
Mann Whitney p = 2.48e−01 t−test p = 4.85e−01

199−F5−1 (106m) Lag (20 Days)



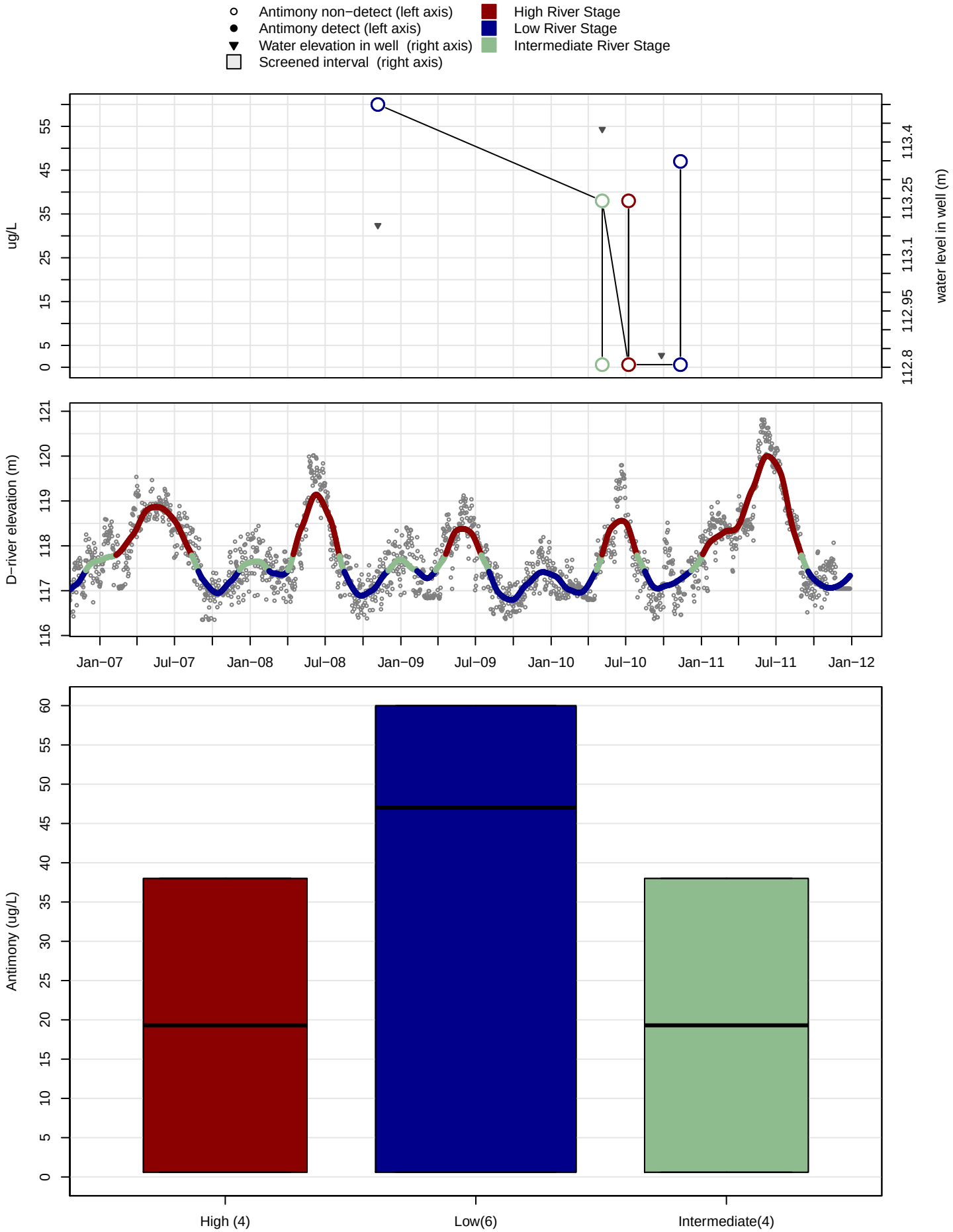
Mann Whitney p = NA t−test p = NA

199−F5−4 (722m) Lag (64 Days)



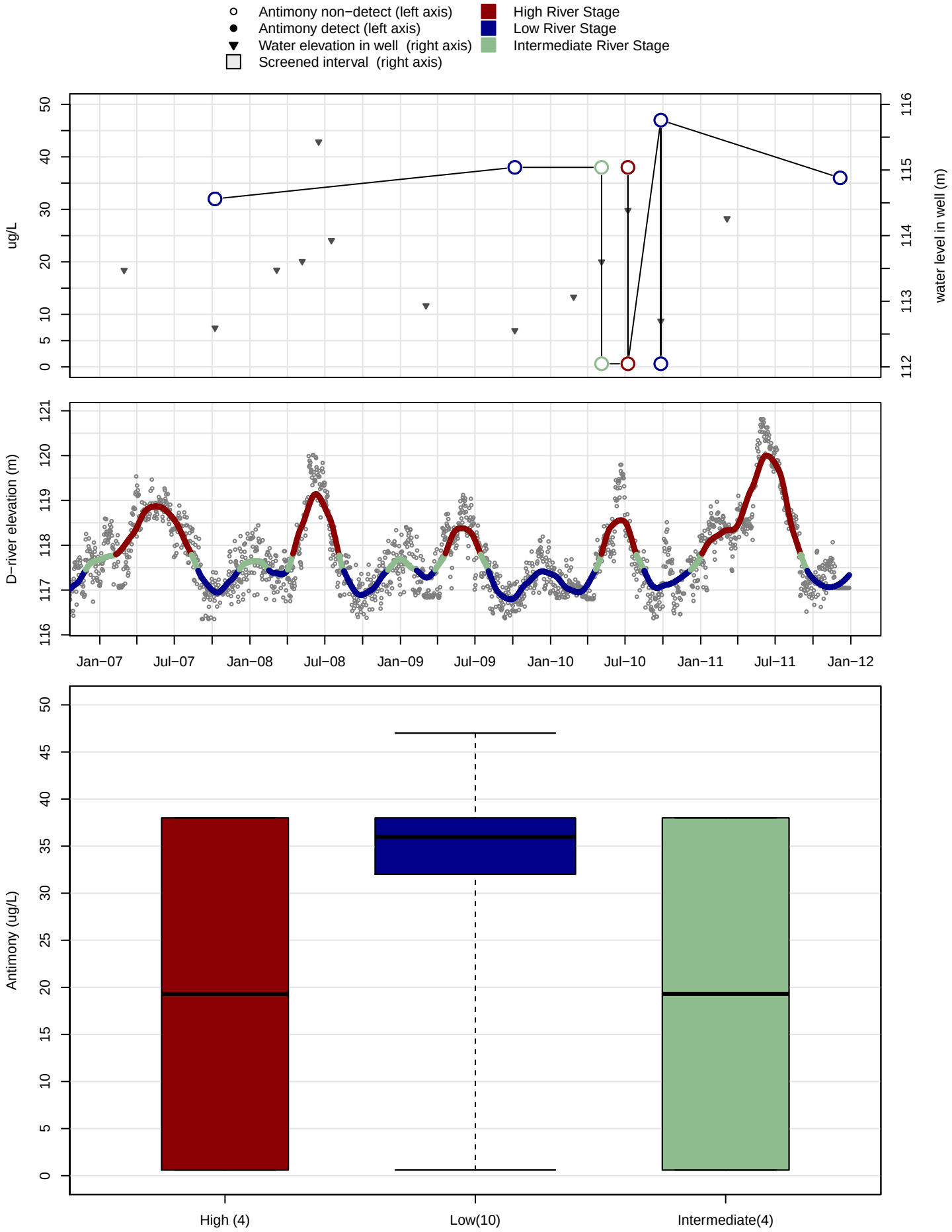
Mann Whitney p = 9.05e−01 t−test p = 8.33e−01

199−F5−42 (23m) Lag (Indeterminate)



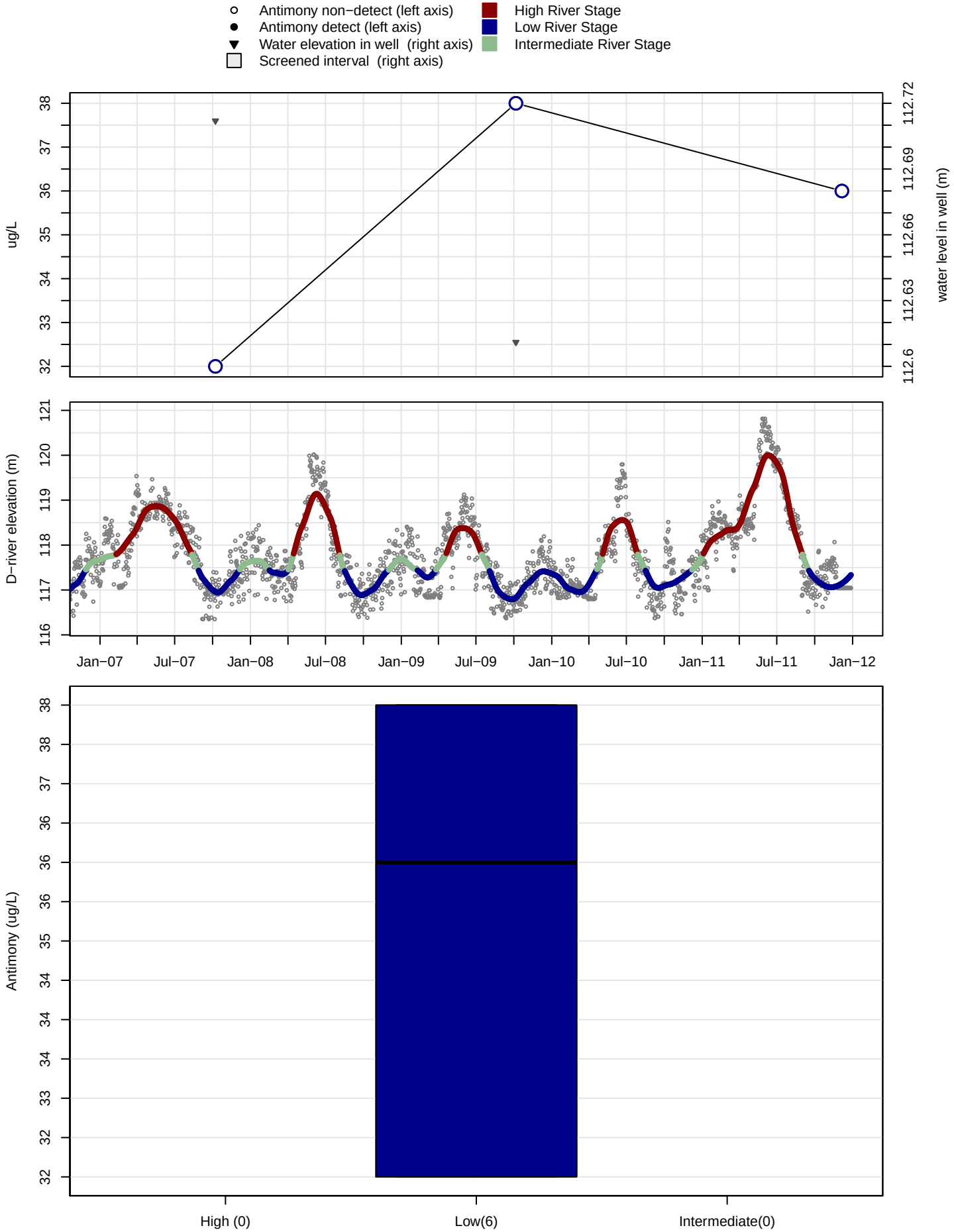
Mann Whitney p = 2.14e−01 t−test p = 3.23e−01

199−F5−43A (28m) Lag (10 Days)



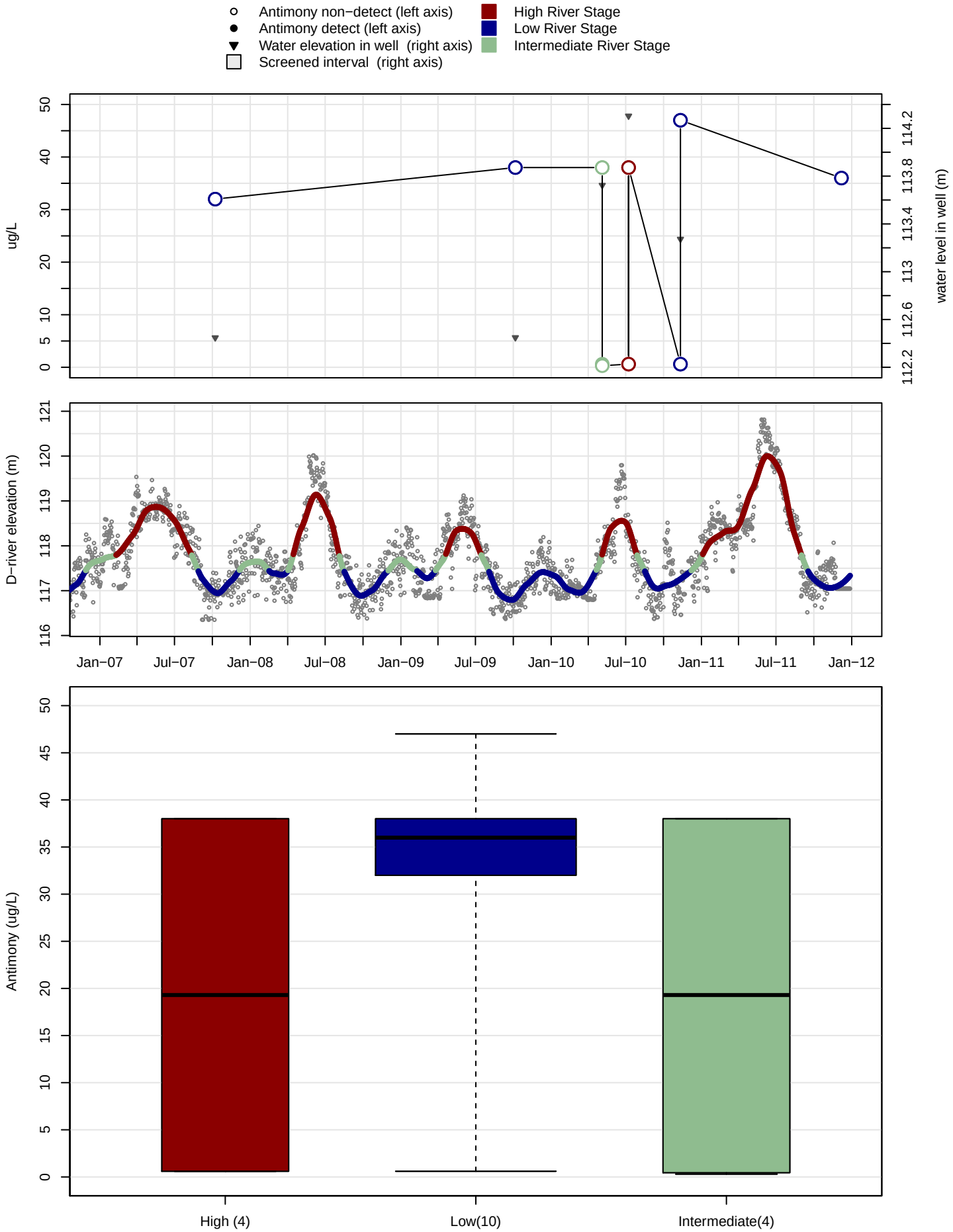
Mann Whitney p = 6.96e−01 t−test p = 3.9e−01

199−F5−43B (27m) Lag (Indeterminate)



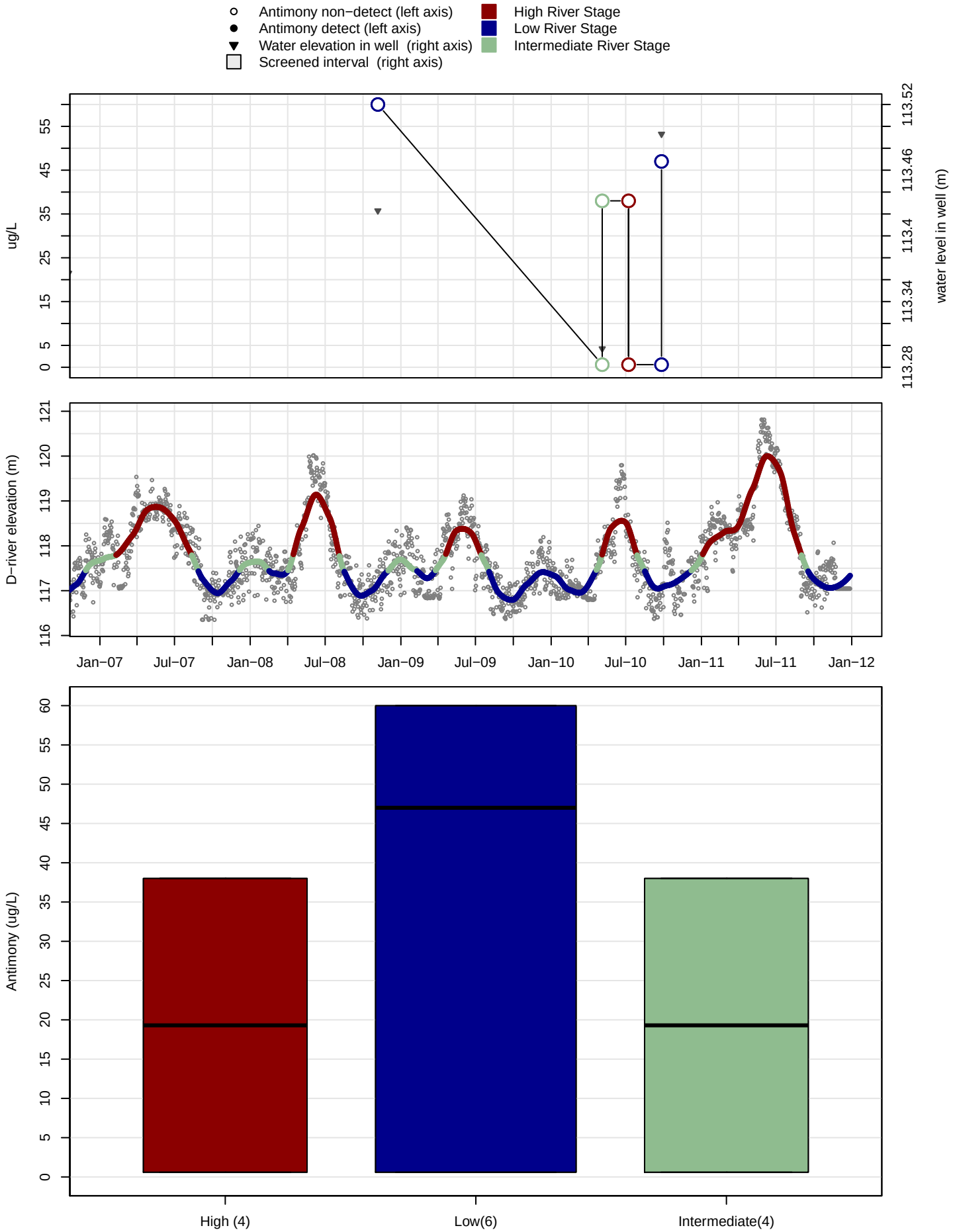
Mann Whitney p = NA t−test p = NA

199−F5−44 (31m) Lag (Indeterminate)



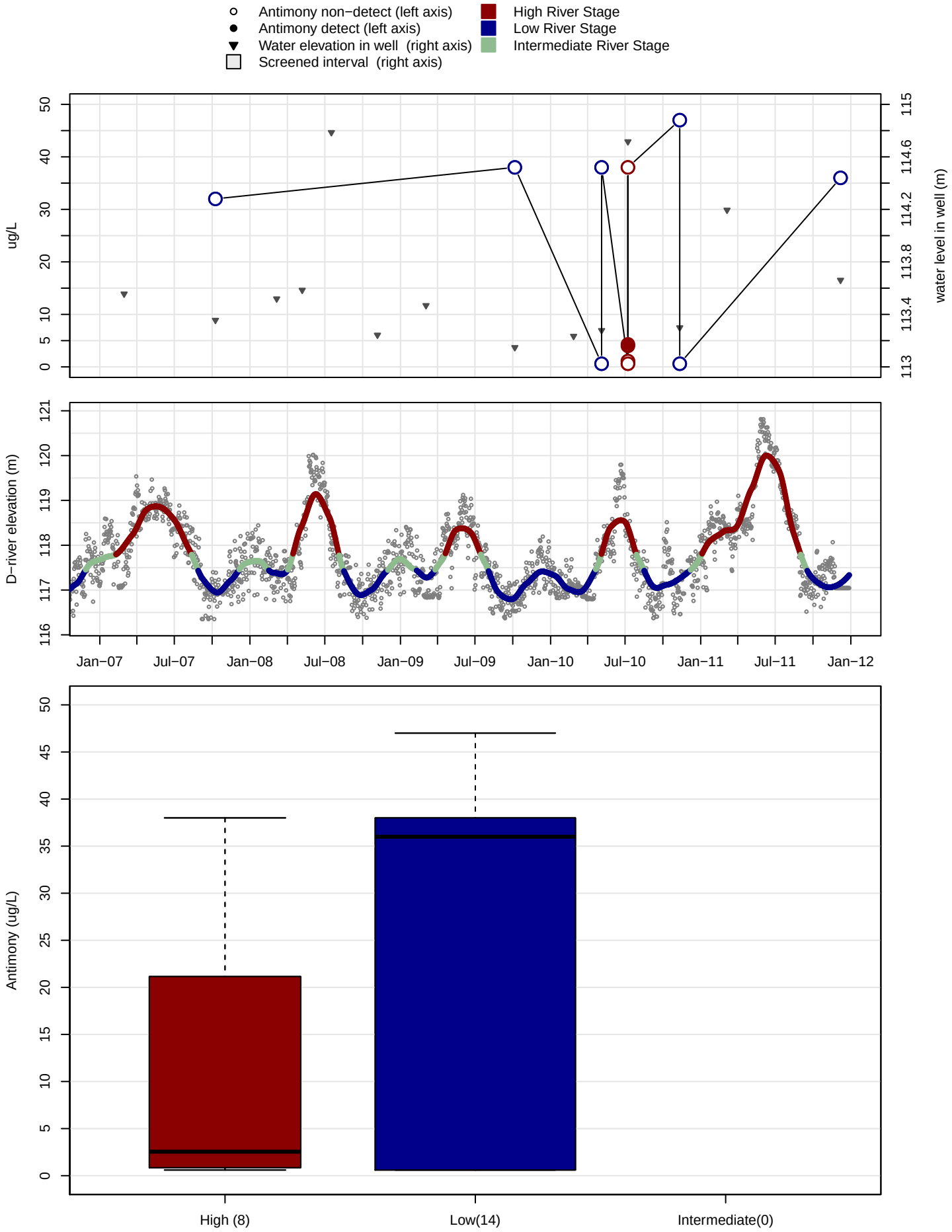
Mann Whitney p = 6.96e−01 t−test p = 3.9e−01

199−F5−45 (530m) Lag (Indeterminate)



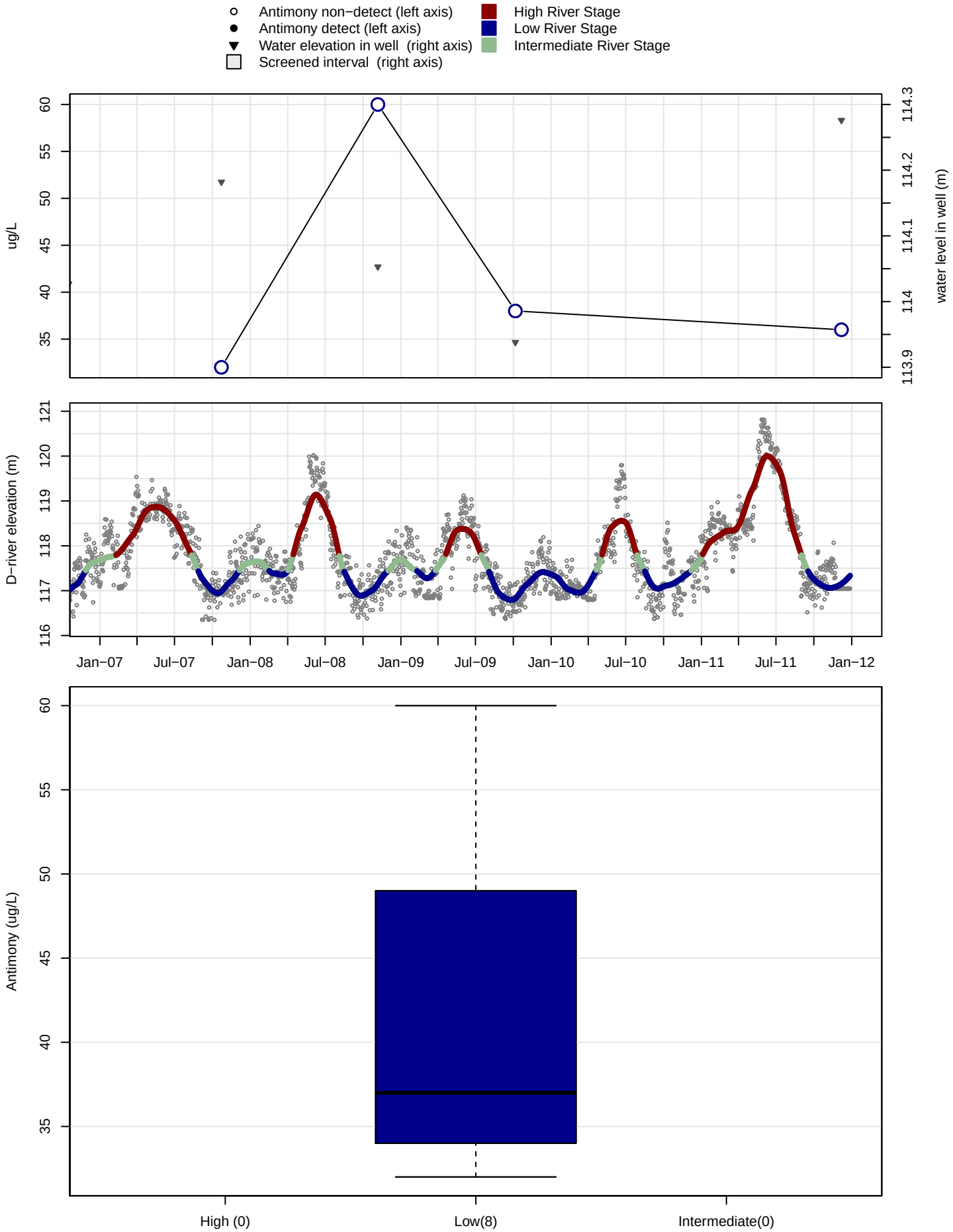
Mann Whitney p = 2.14e−01 t−test p = 3.23e−01

199−F5−46 (371m) Lag (30 Days)



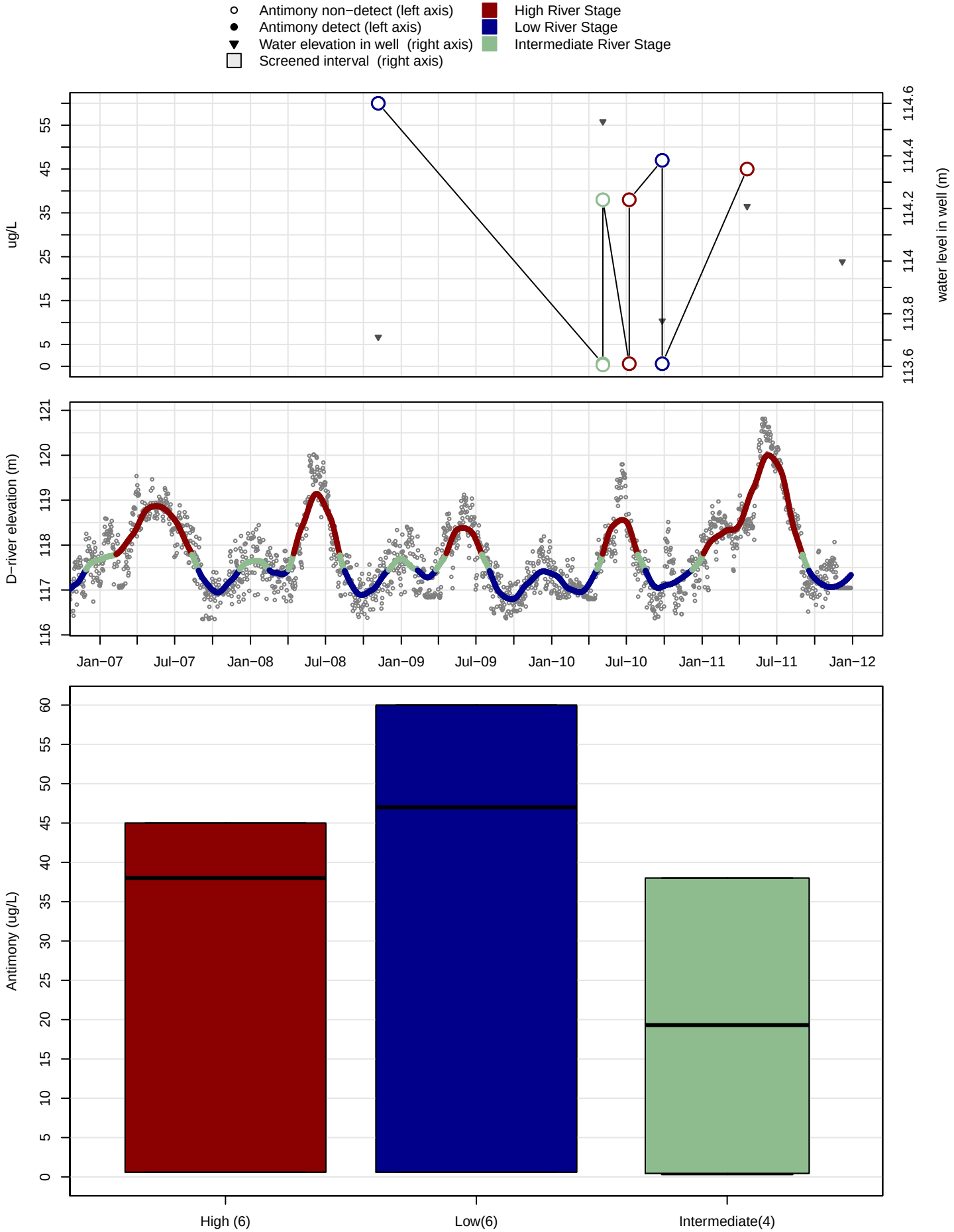
Mann Whitney p = 2.83e−01 t−test p = 4.7e−02

199−F5−47 (792m) Lag (Indeterminate)



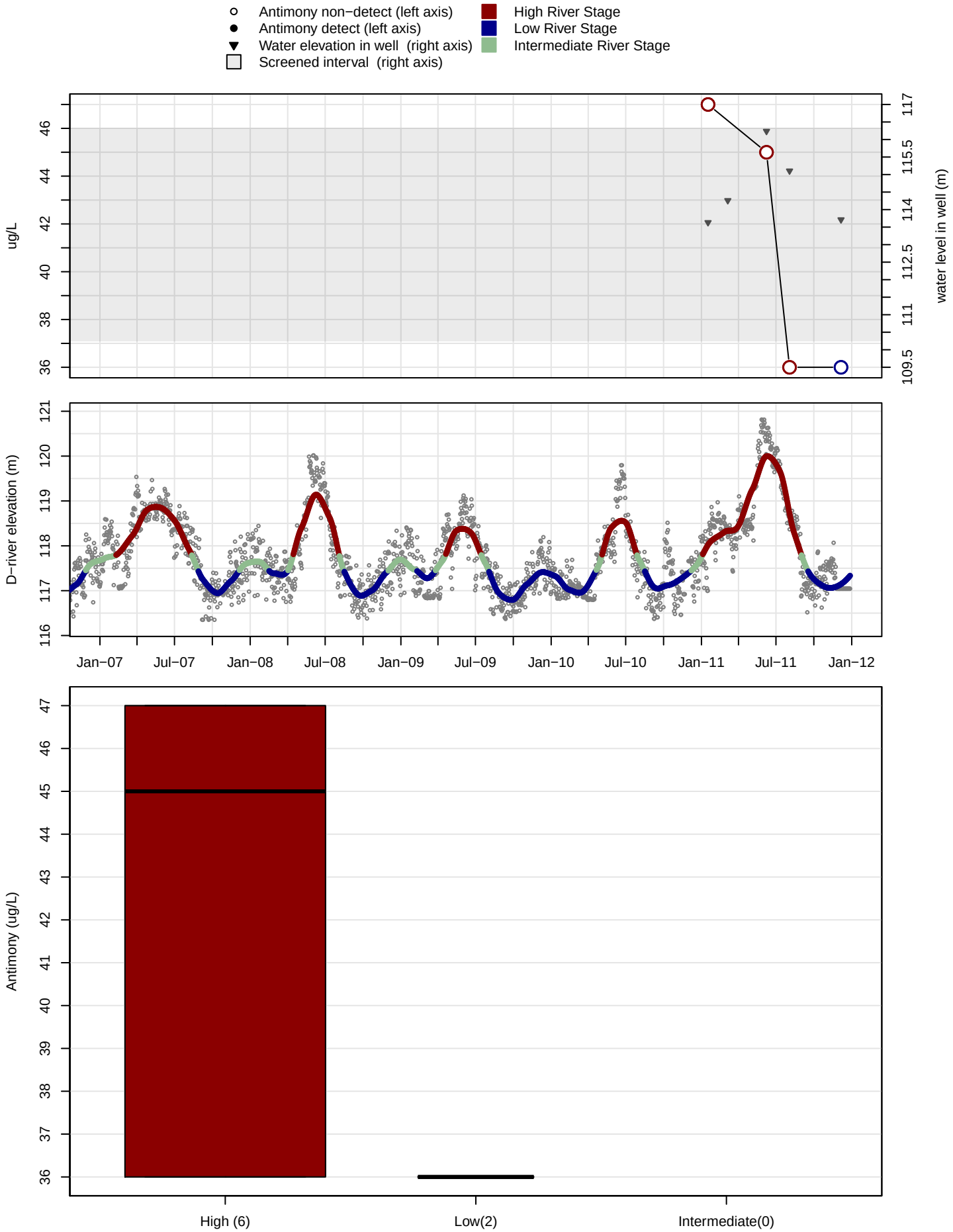
Mann Whitney p = NA t−test p = NA

199−F5−48 (637m) Lag (Indeterminate)



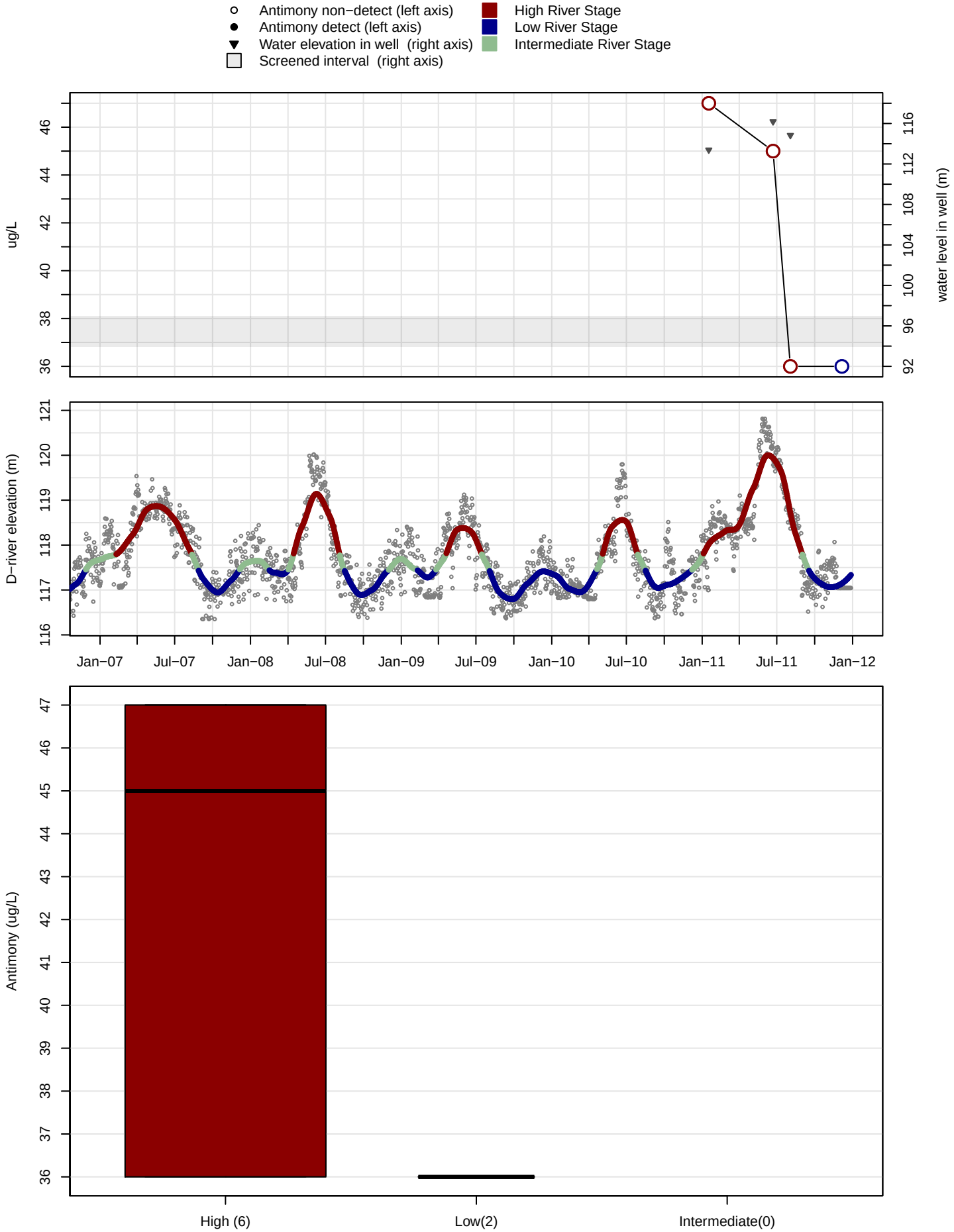
Mann Whitney p = 2.1e−01 t−test p = 5.9e−01

199−F5−52 (186m) Lag (Indeterminate)



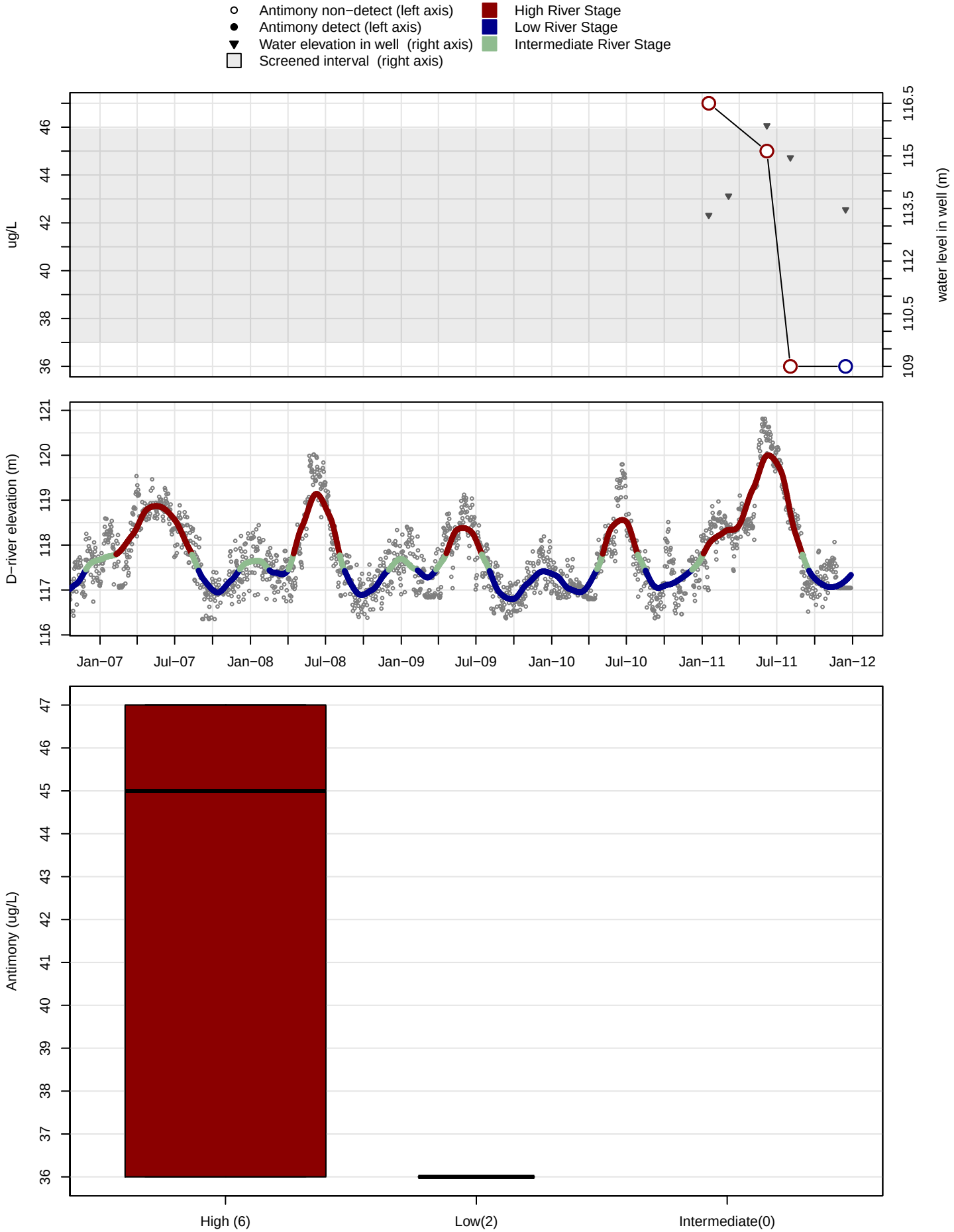
Mann Whitney p = NA t−test p = NA

199−F5−53 (82m) Lag (Indeterminate)



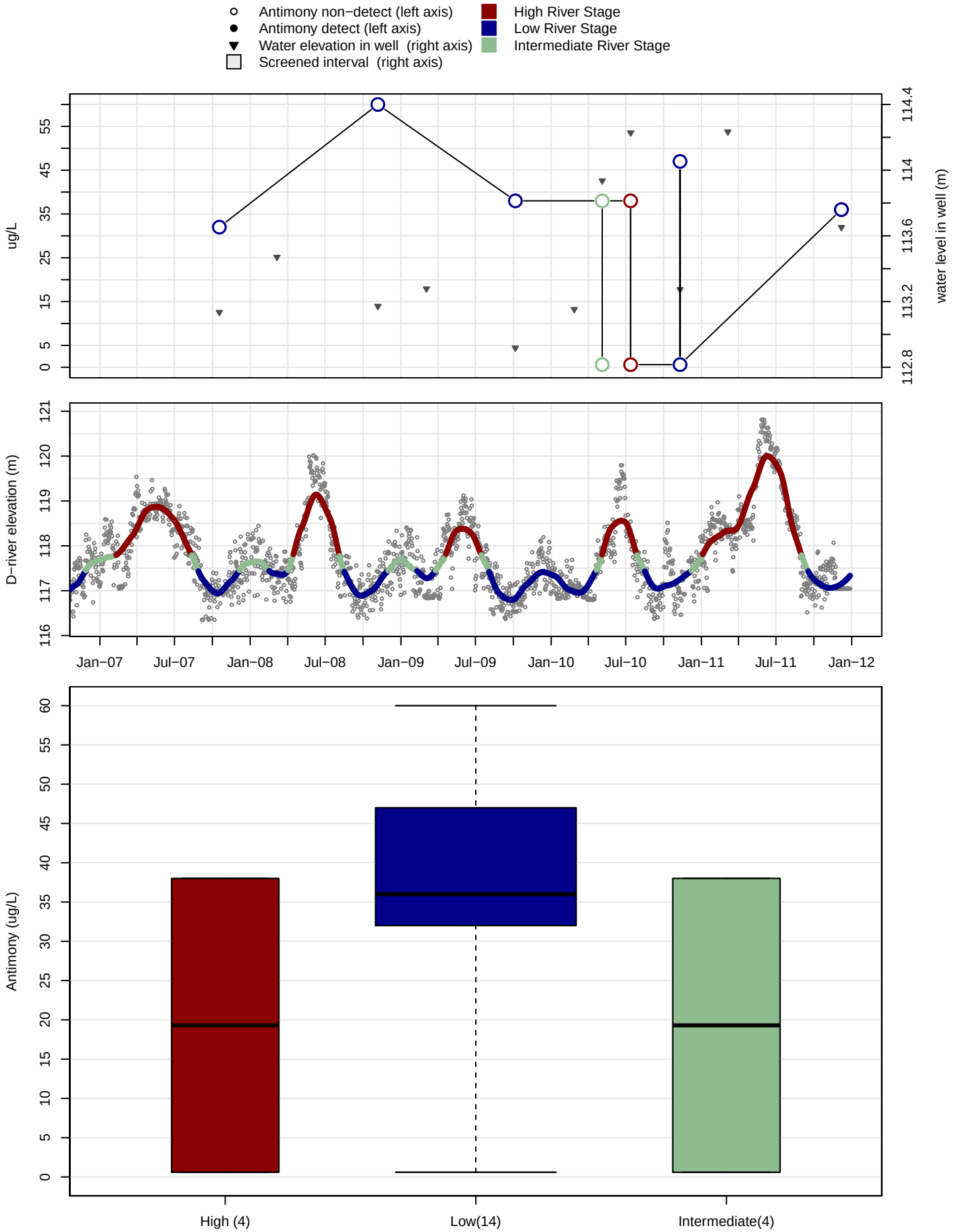
Mann Whitney p = NA t−test p = NA

199−F5−54 (248m) Lag (Indeterminate)



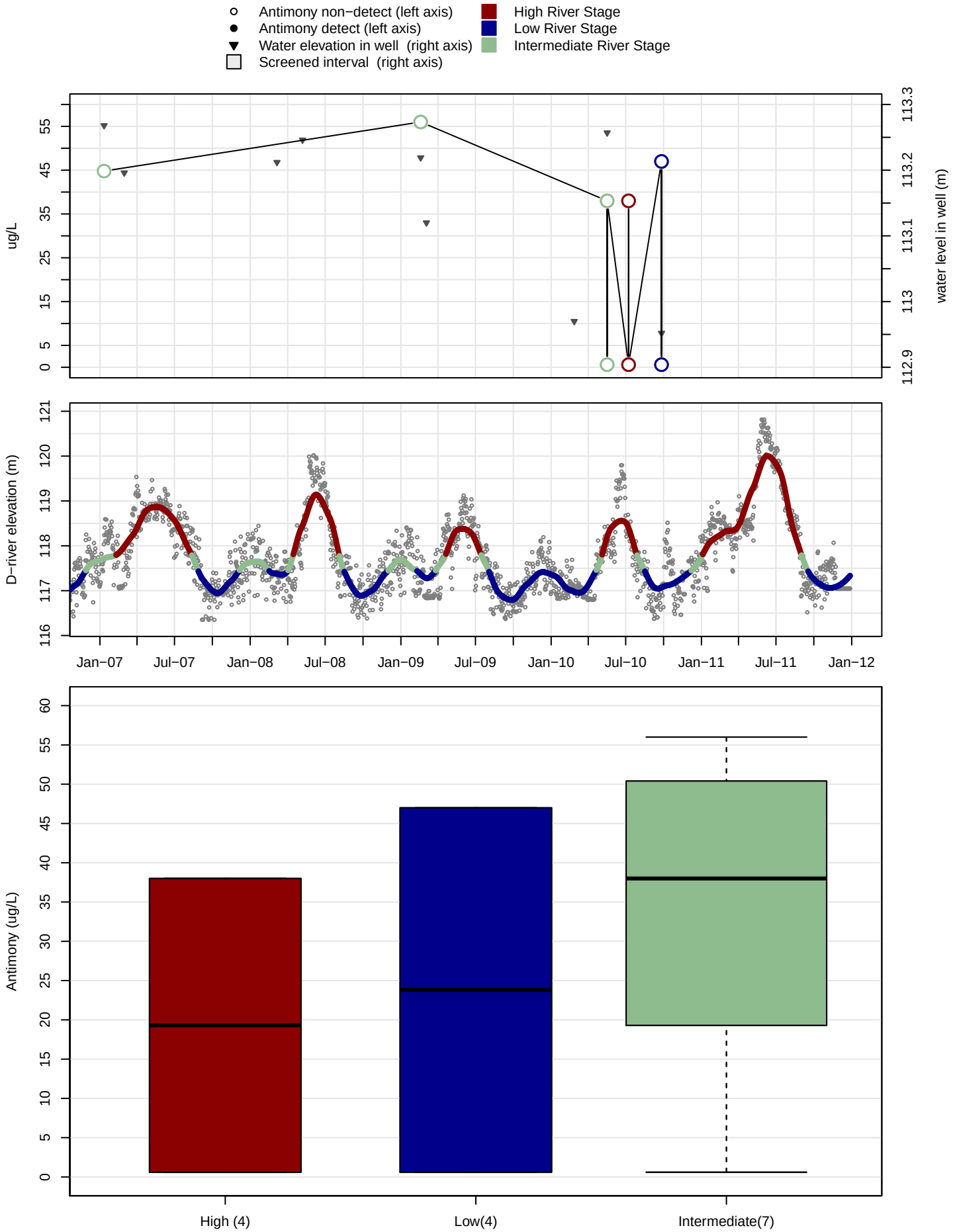
Mann Whitney p = NA t−test p = NA

199−F5−6 (123m) Lag (2 Days)



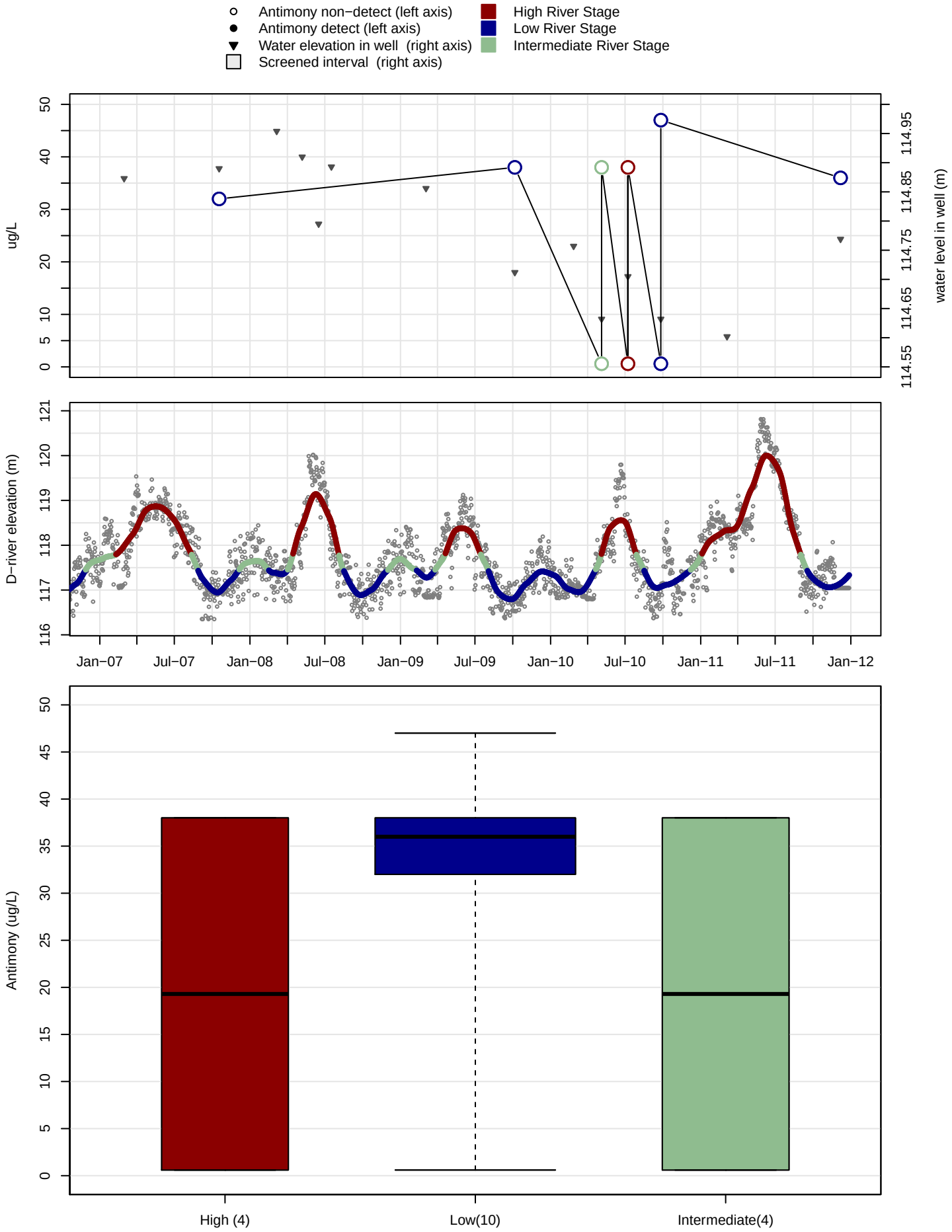
Mann Whitney p = 4.29e−01 t−test p = 2.34e−01

199−F6−1 (51m) Lag (18 Days)



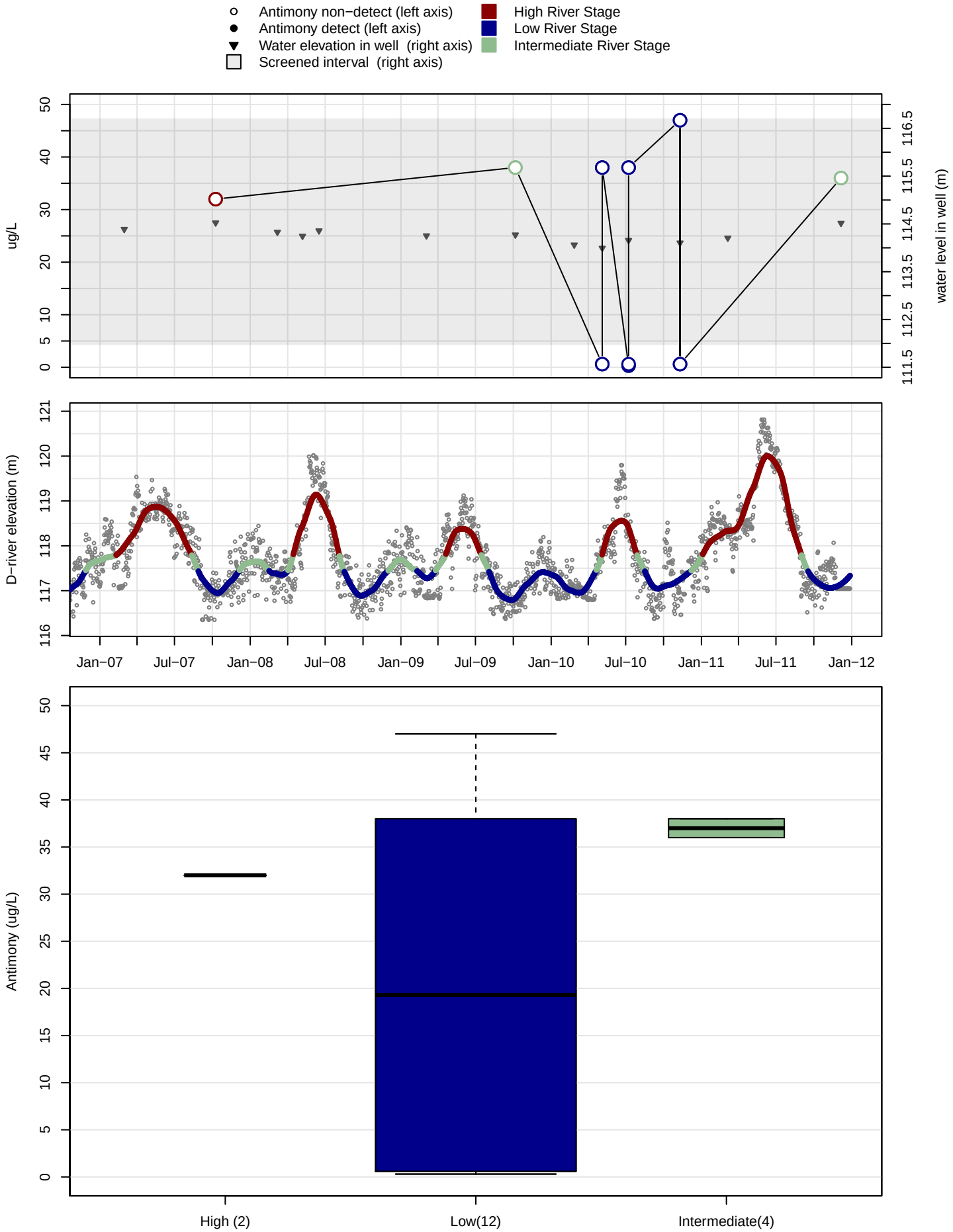
Mann Whitney p = 6.57e−01 t−test p = 8.03e−01

199−F7−1 (1650m) Lag (64 Days)



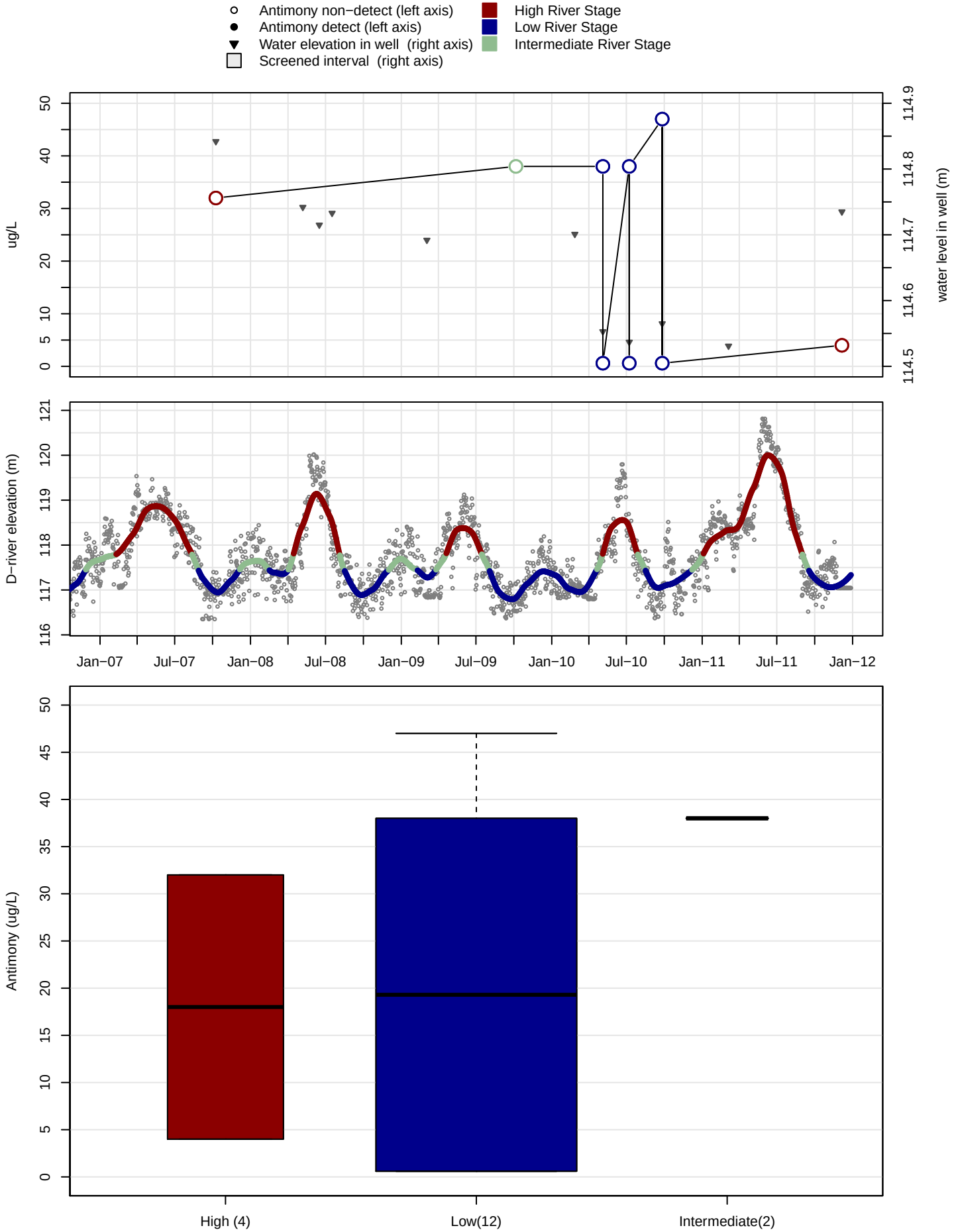
Mann Whitney p = 6.96e−01 t−test p = 3.9e−01

199−F7−2 (829m) Lag (81 Days)



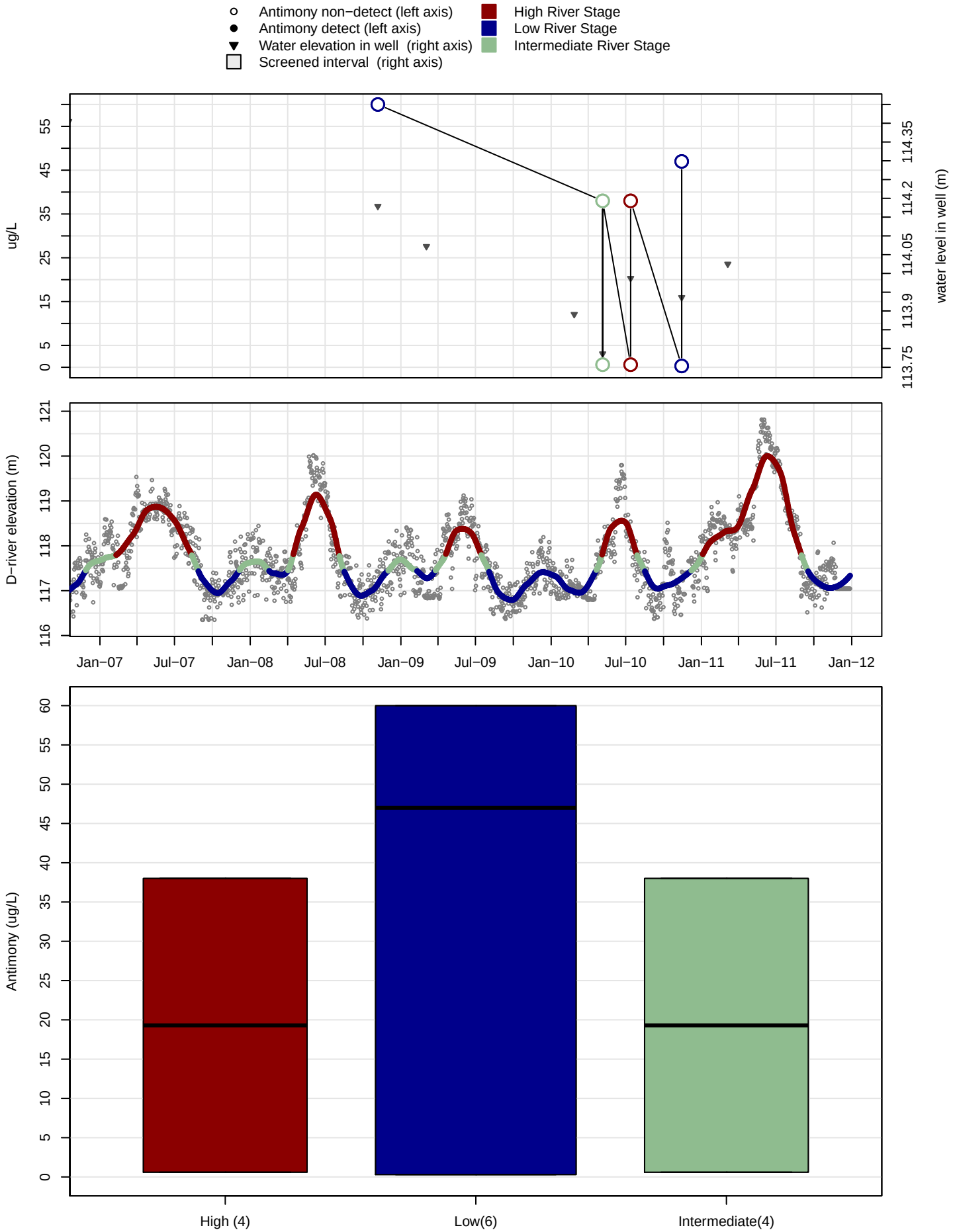
Mann Whitney p = NA t−test p = NA

199−F7−3 (1468m) Lag (171 Days)



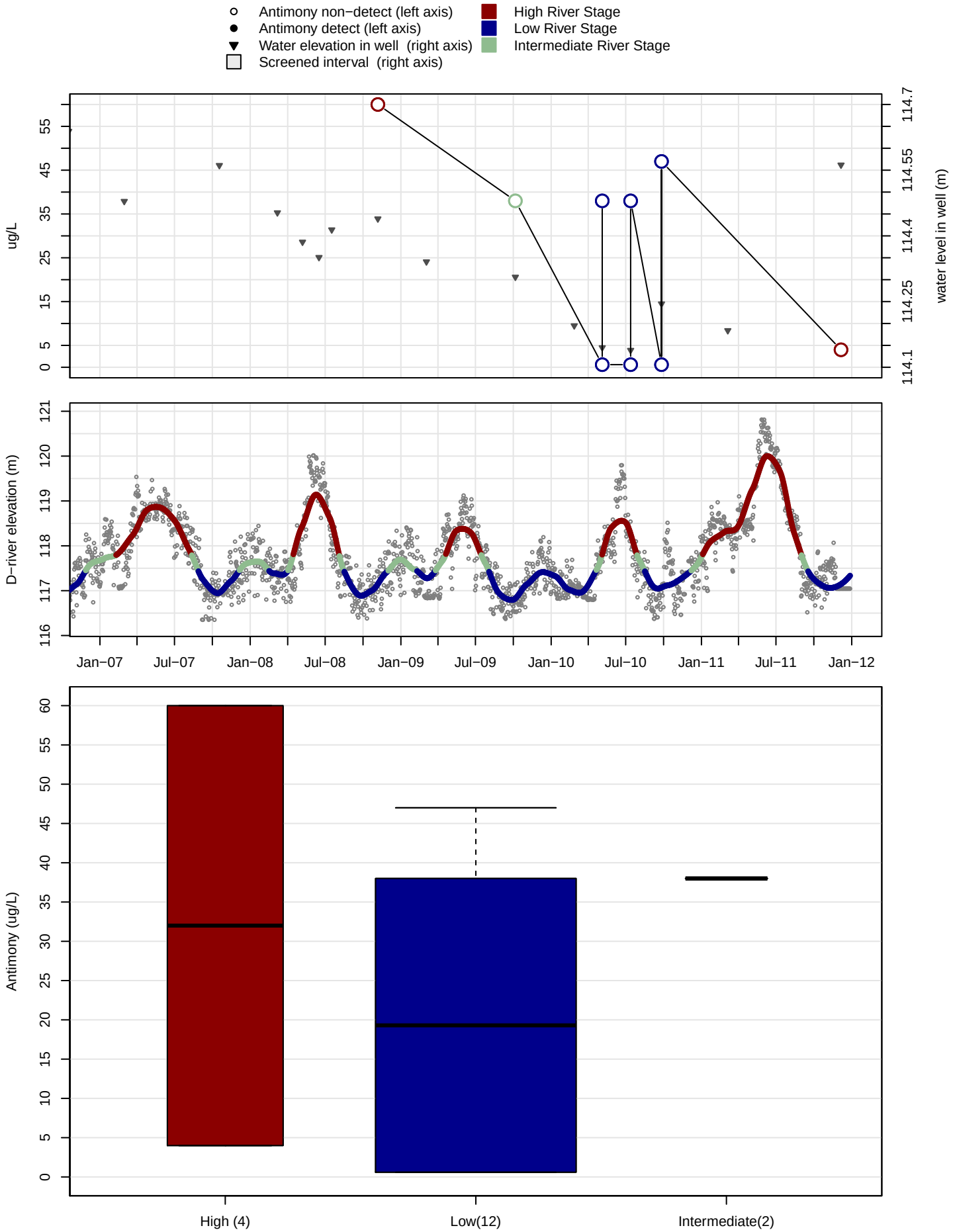
Mann Whitney p = 1e+00 t−test p = 7.91e−01

199−F8−2 (899m) Lag (Indeterminate)



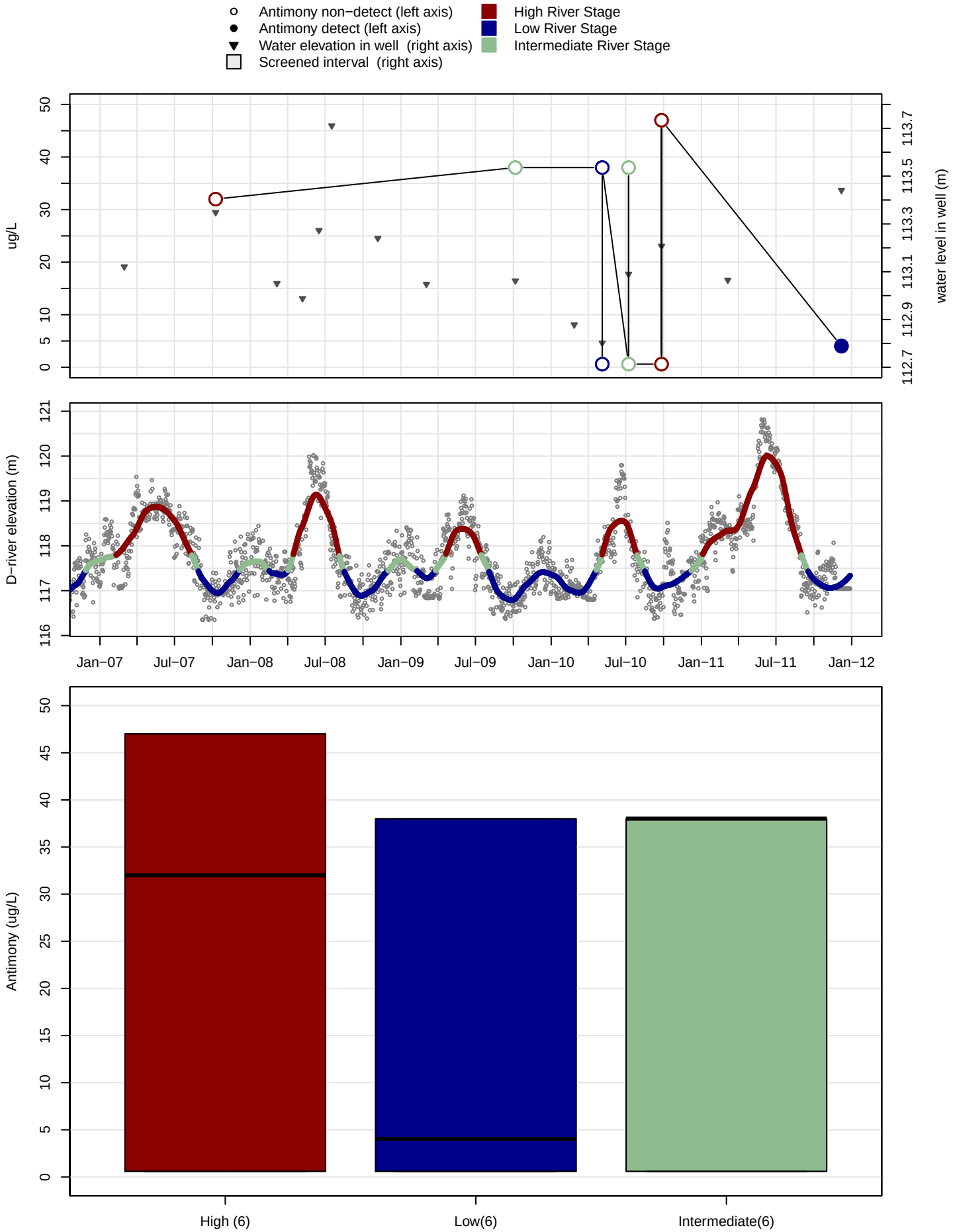
Mann Whitney p = 5.33e−01 t−test p = 3.27e−01

199−F8−3 (1141m) Lag (179 Days)



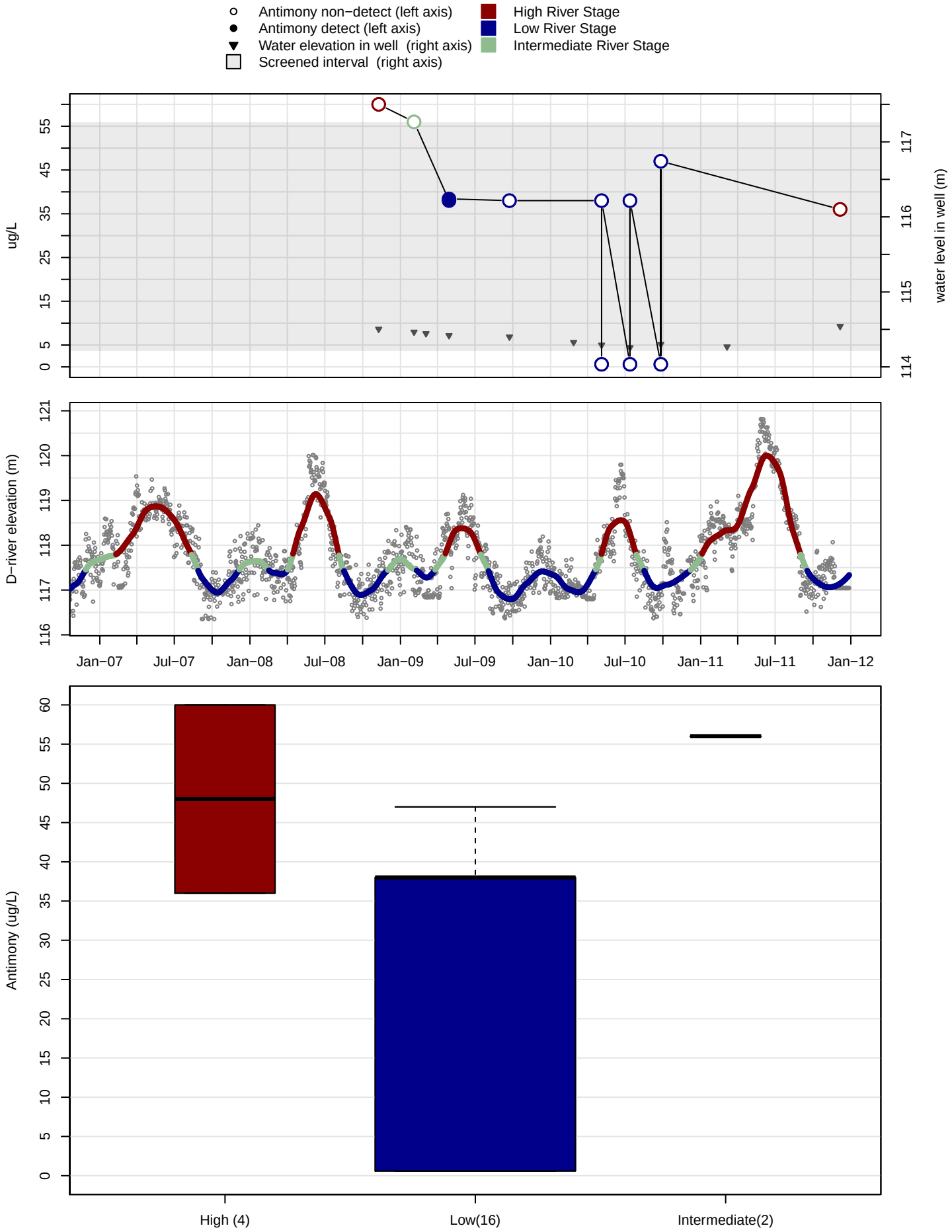
Mann Whitney p = 1.56e−01 t−test p = 5.53e−01

199−F8−4 (610m) Lag (72 Days)



Mann Whitney p = 5.63e−01 t−test p = 3.09e−01

199−F8−7 (1258m) Lag (180 Days)



Mann Whitney p = 2.29e−01 t−test p = 3.35e−02

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C.3 Trend Analysis Plots

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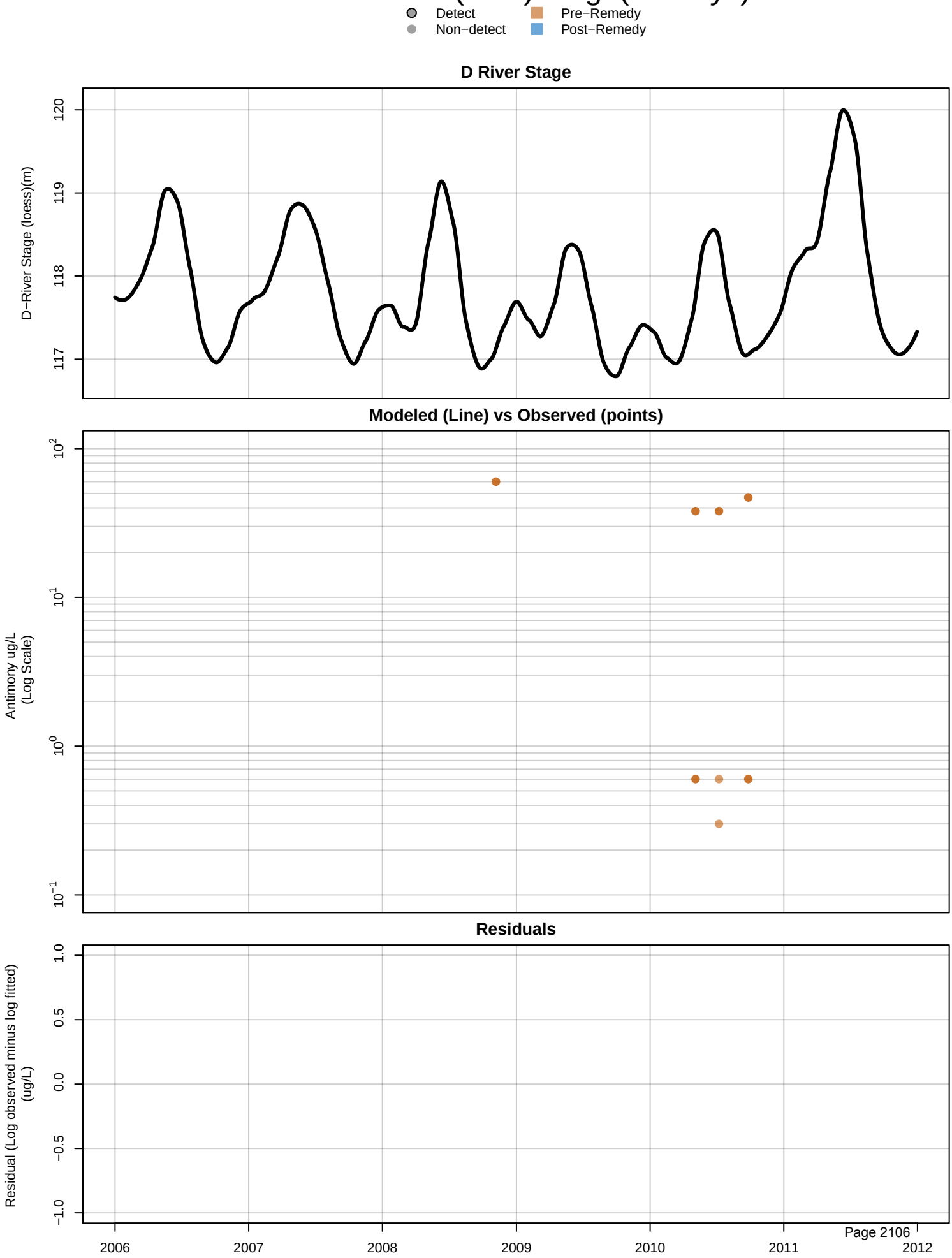
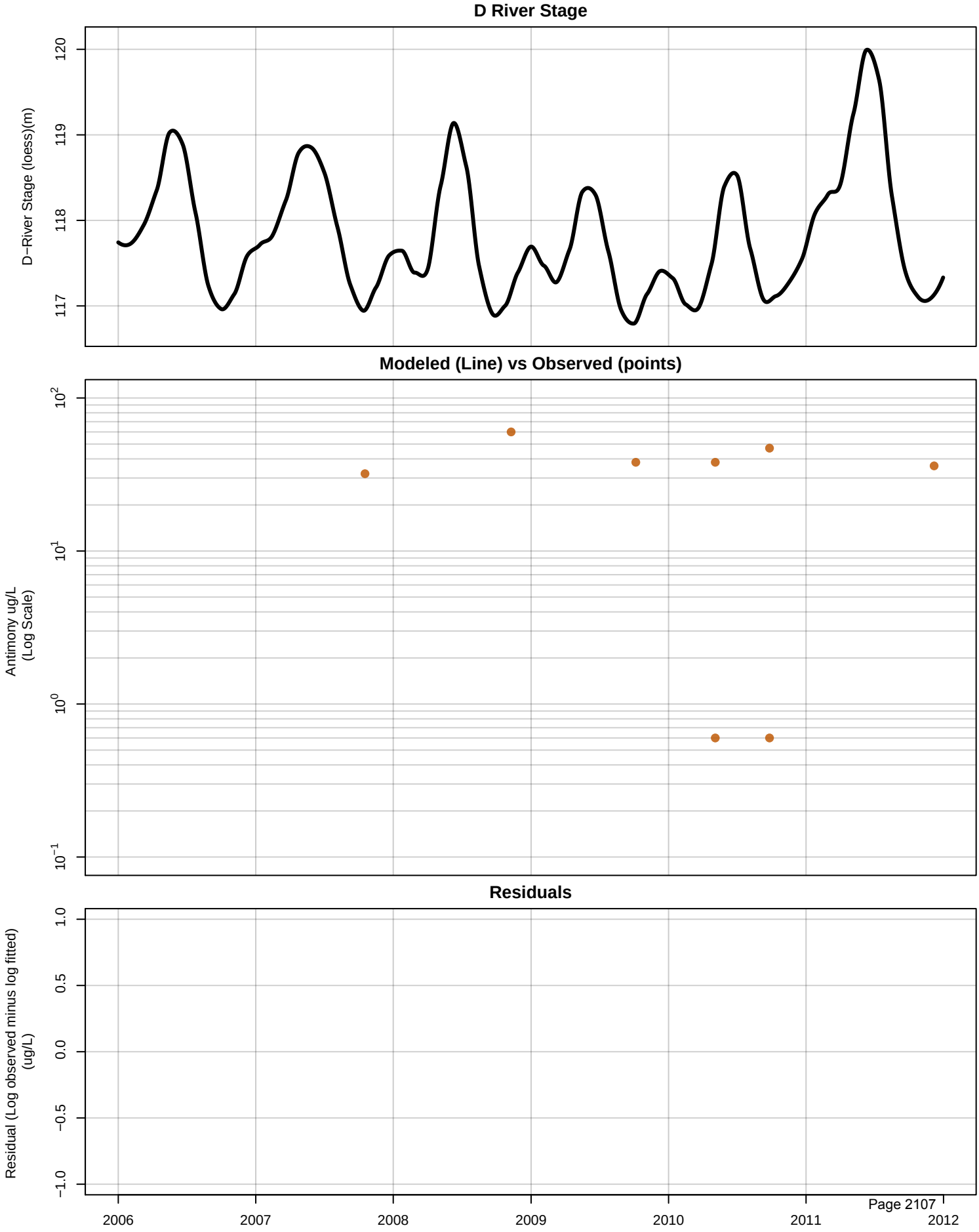
Pearson's R >= 0.5

199−F1−2 (89m) Lag (14 Days)



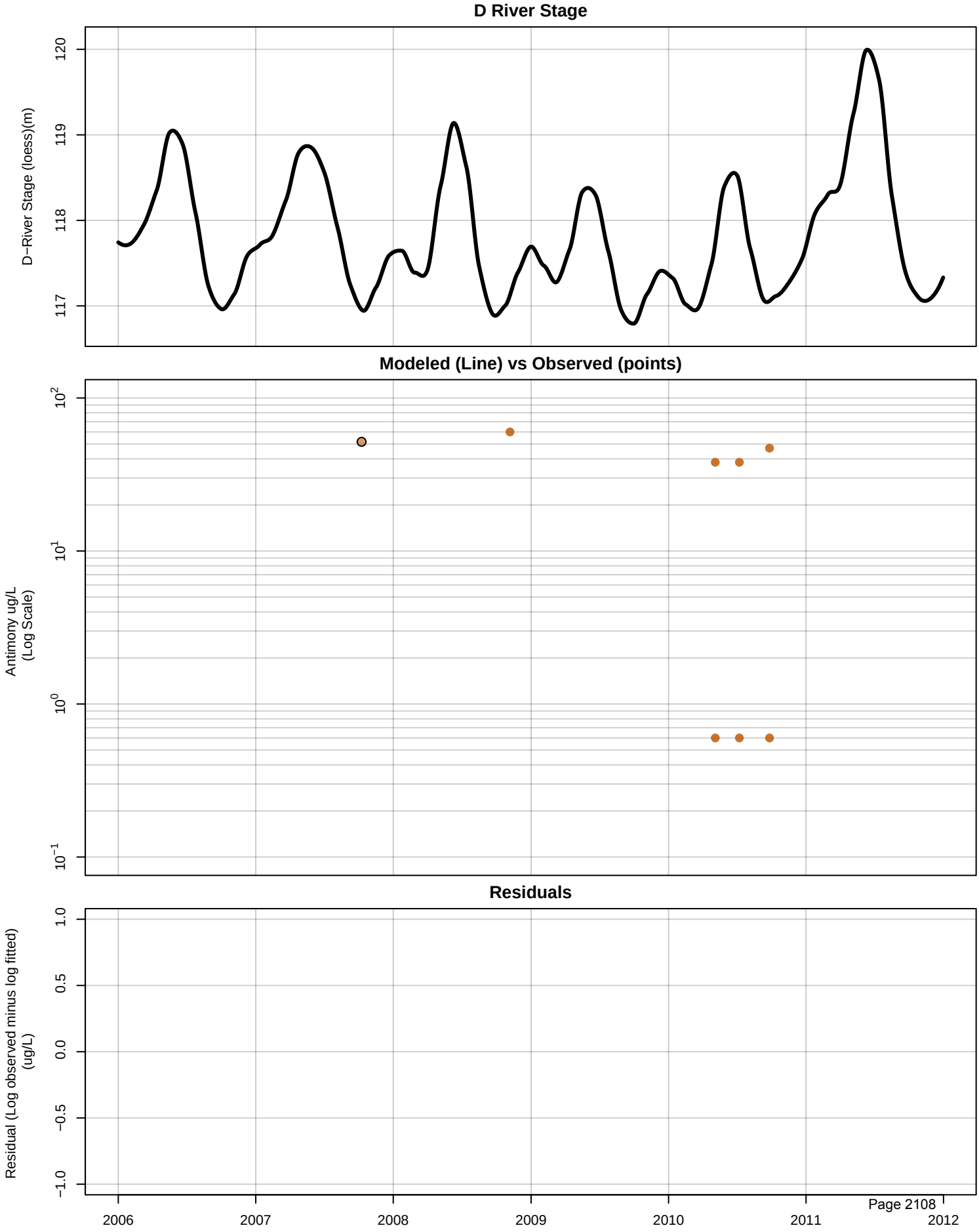
199−F5−1 (106m) Lag (20 Days)

Detect
Non−detect
Pre−Remedy
Post−Remedy



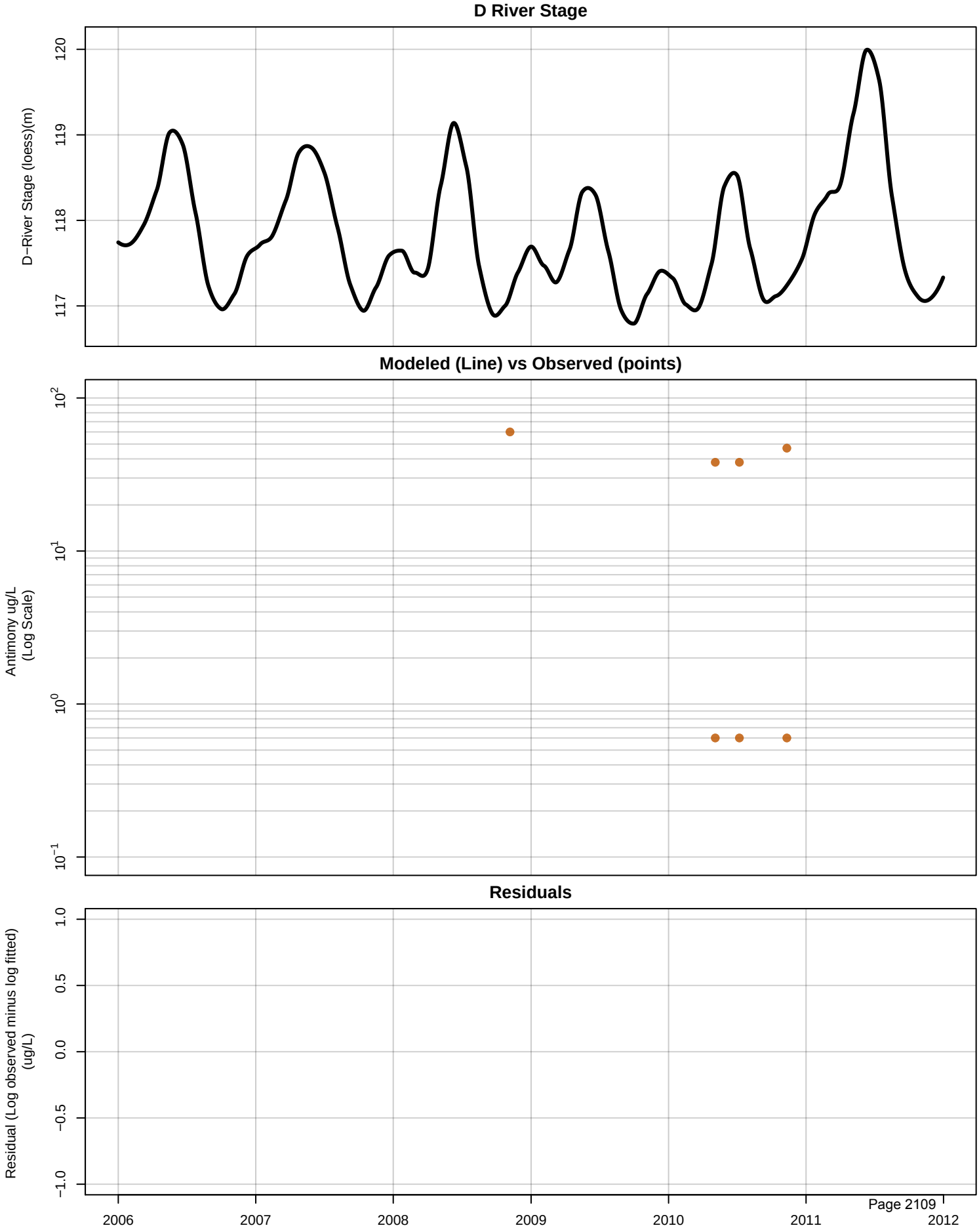
199−F5−4 (722m) Lag (64 Days)

Detect
Non−detect
Pre−Remedy
Post−Remedy

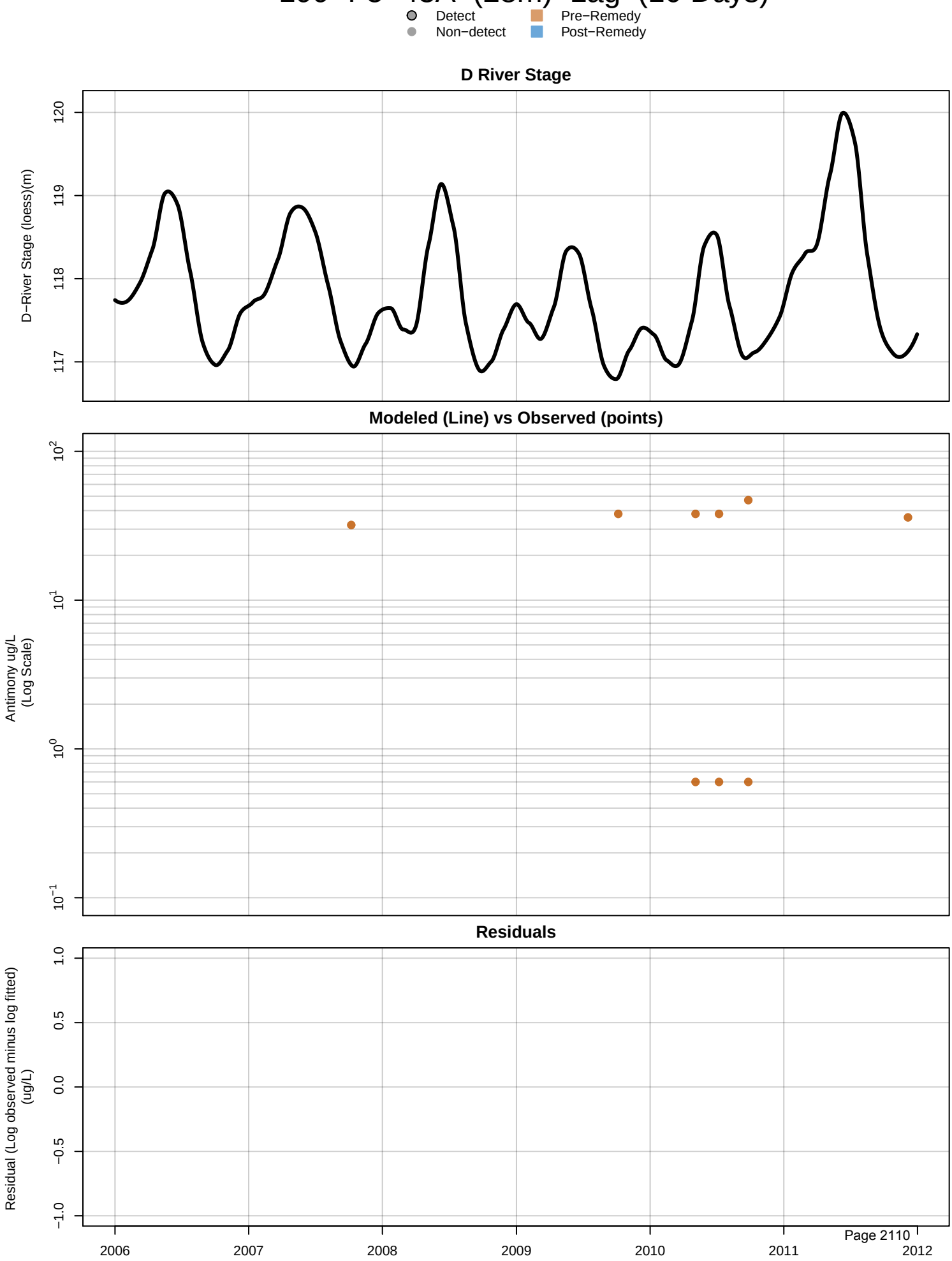


199−F5−42 (23m) Lag (Indeterminate)

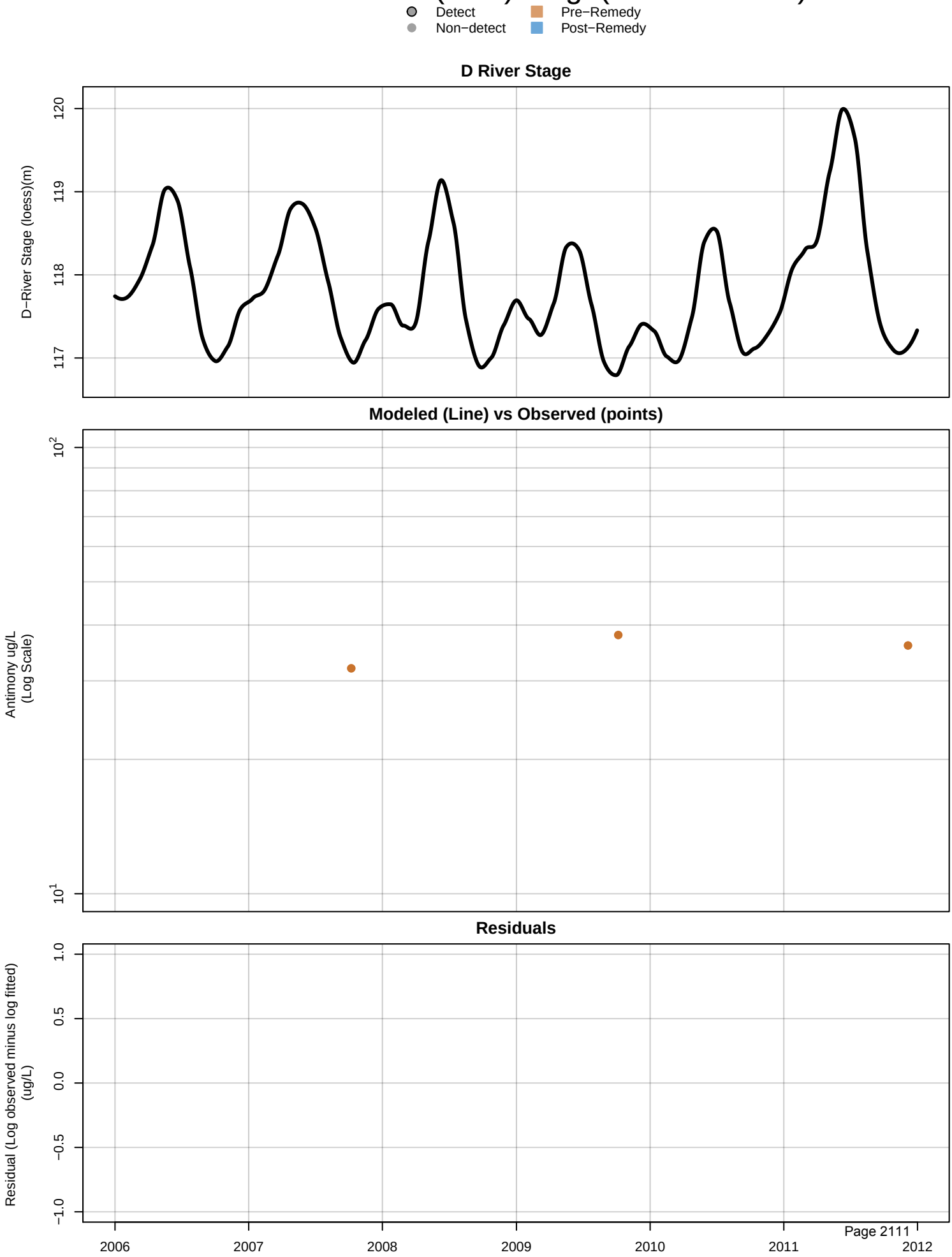
Detect
Non−detect
Pre−Remedy
Post−Remedy



199−F5−43A (28m) Lag (10 Days)

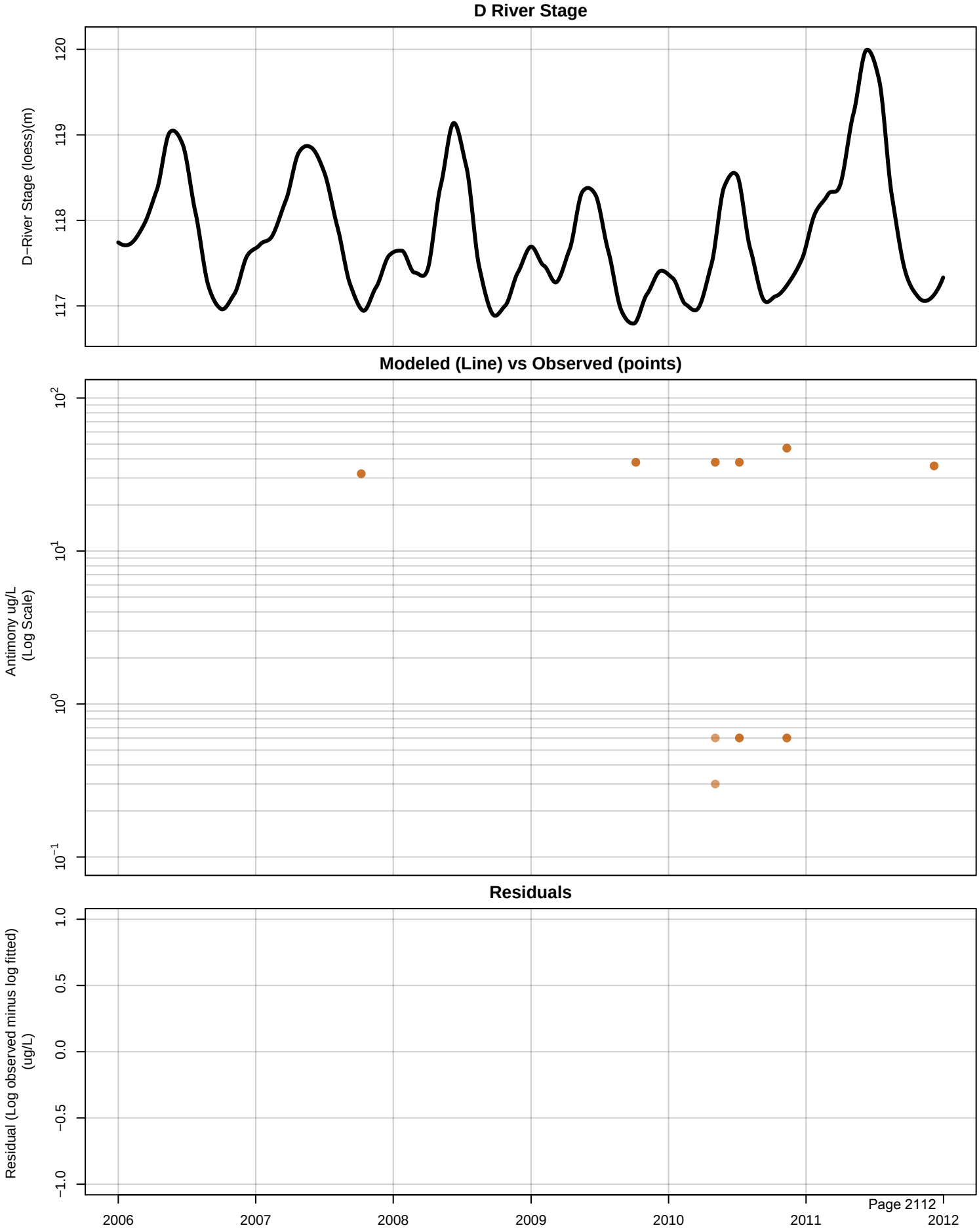


199−F5−43B (27m) Lag (Indeterminate)

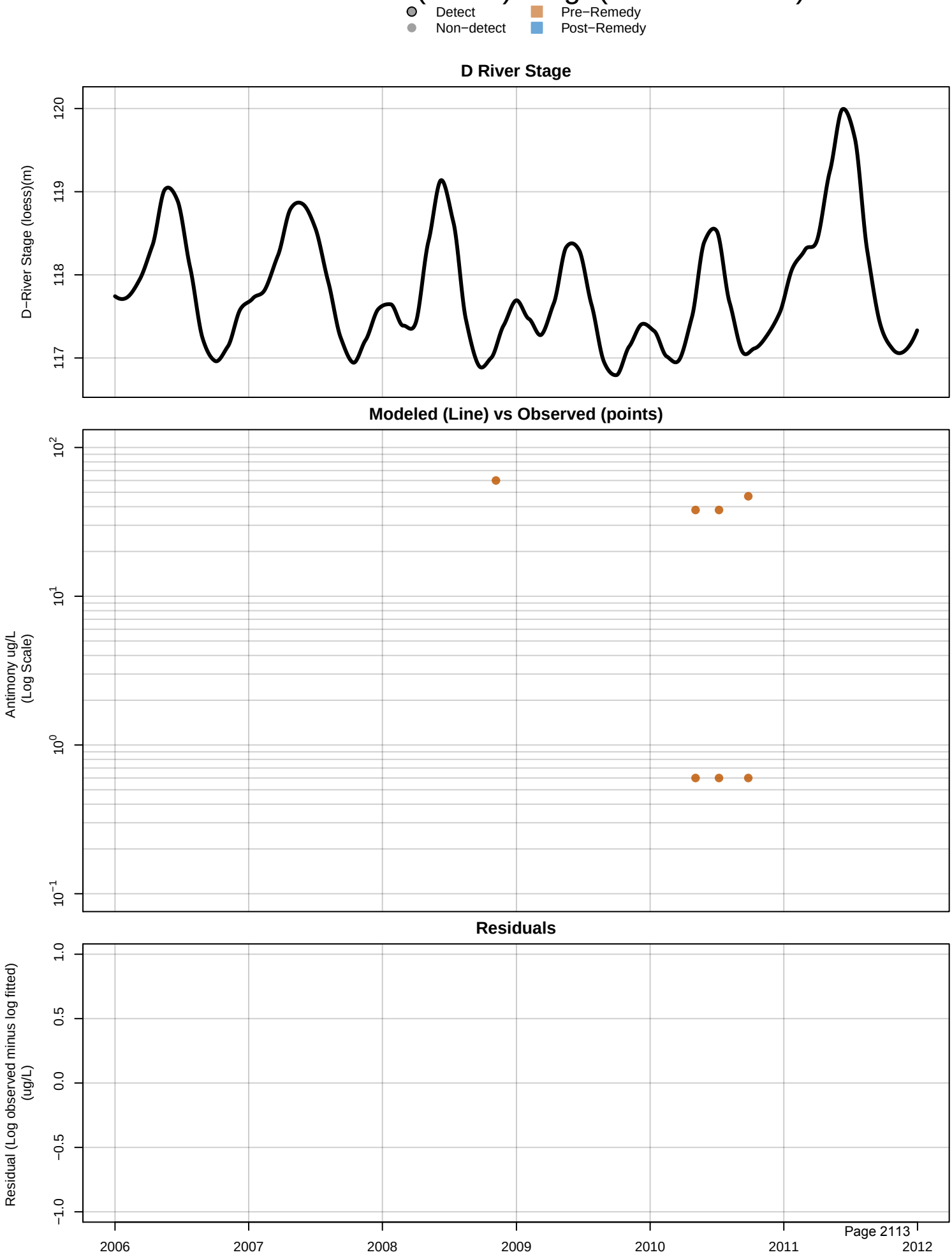


199−F5−44 (31m) Lag (Indeterminate)

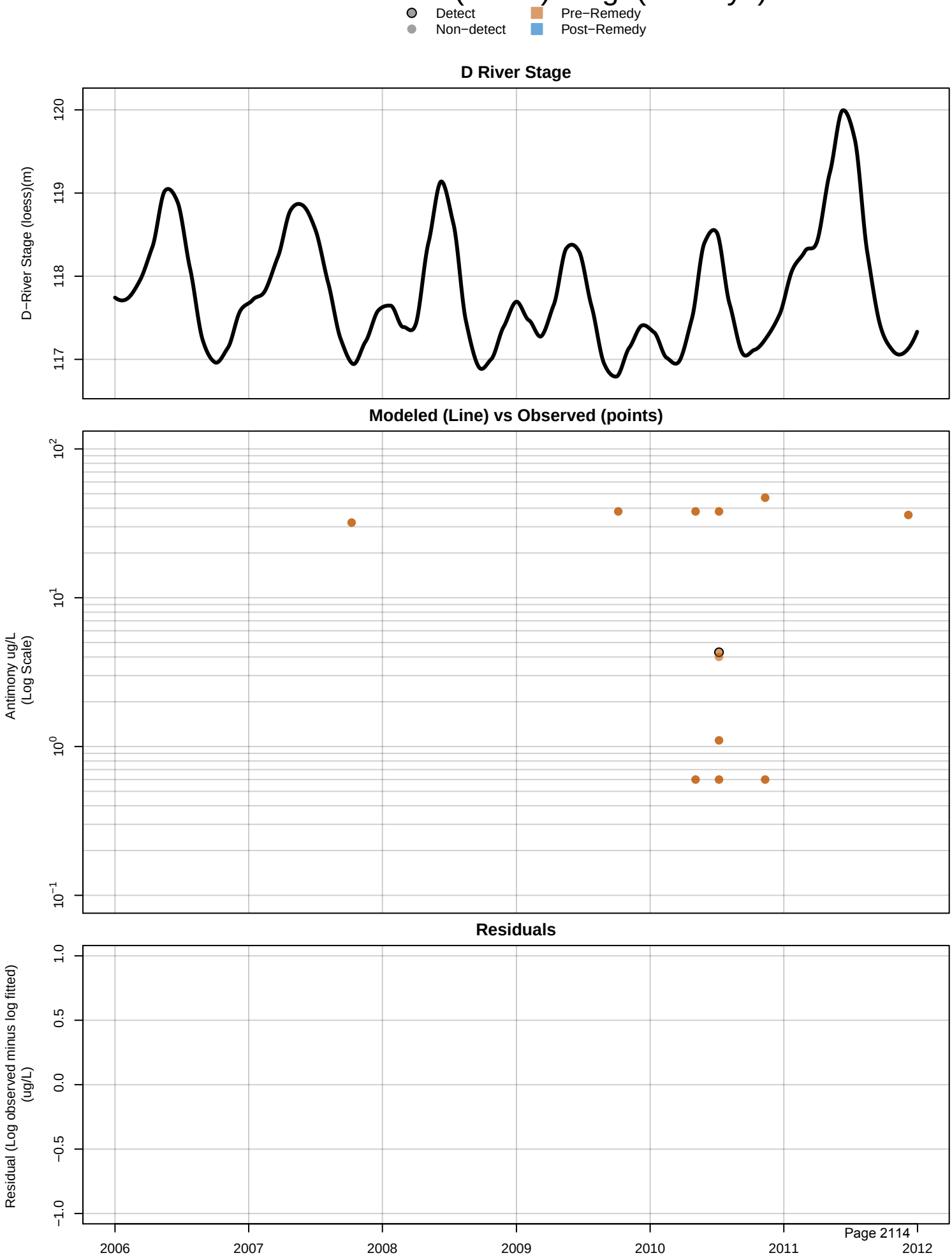
Detect
Non−detect
Pre−Remedy
Post−Remedy



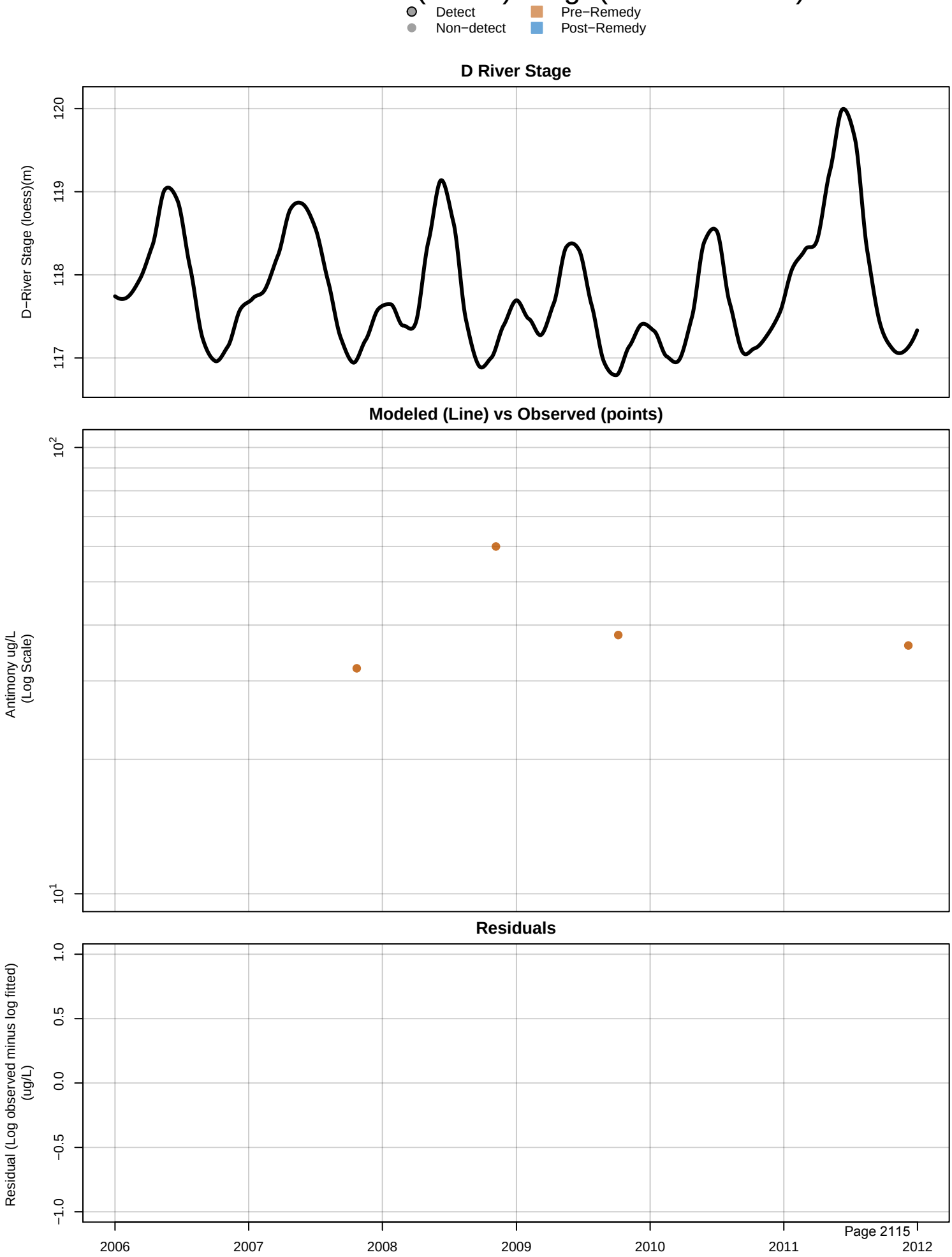
199−F5−45 (530m) Lag (Indeterminate)



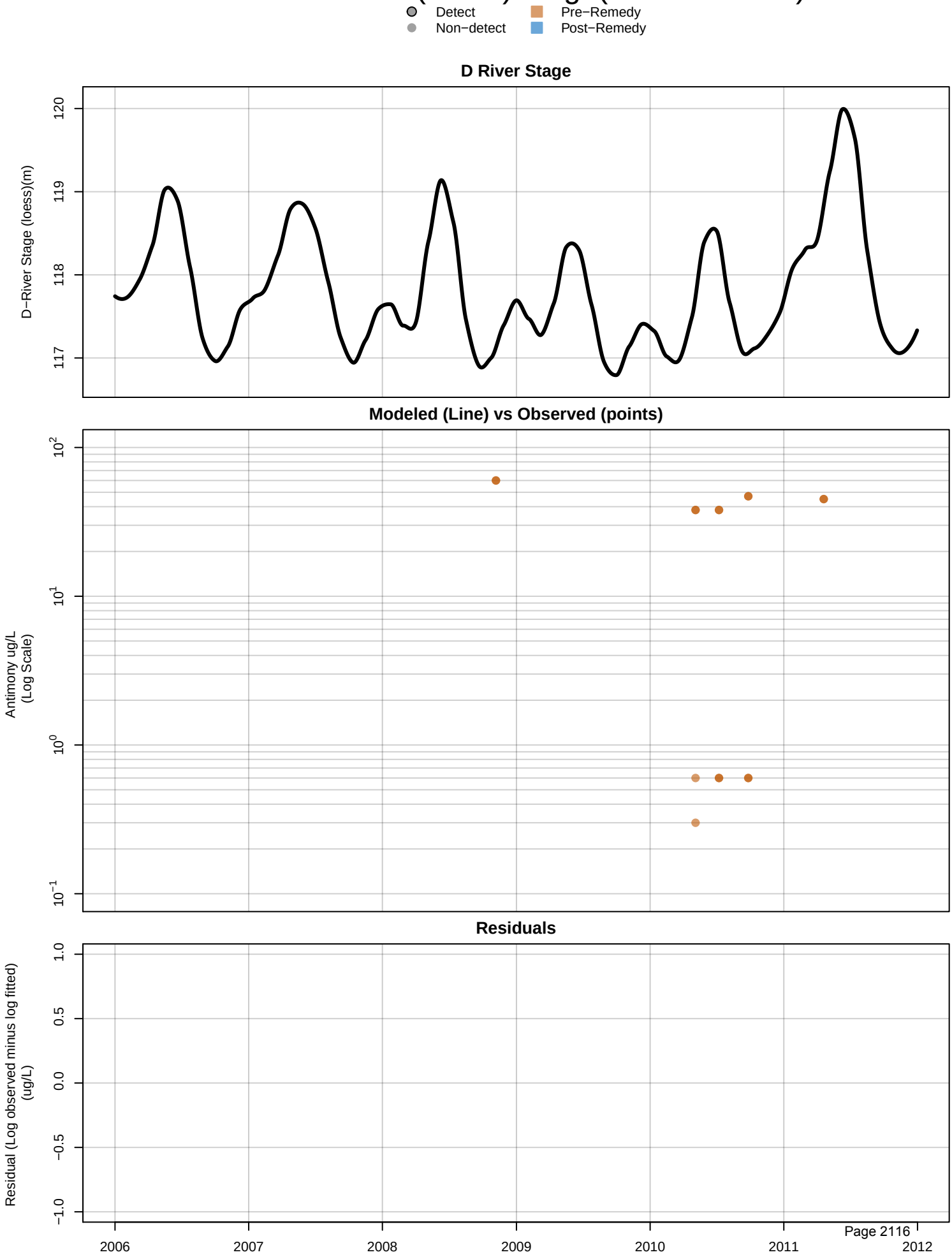
199−F5−46 (371m) Lag (30 Days)



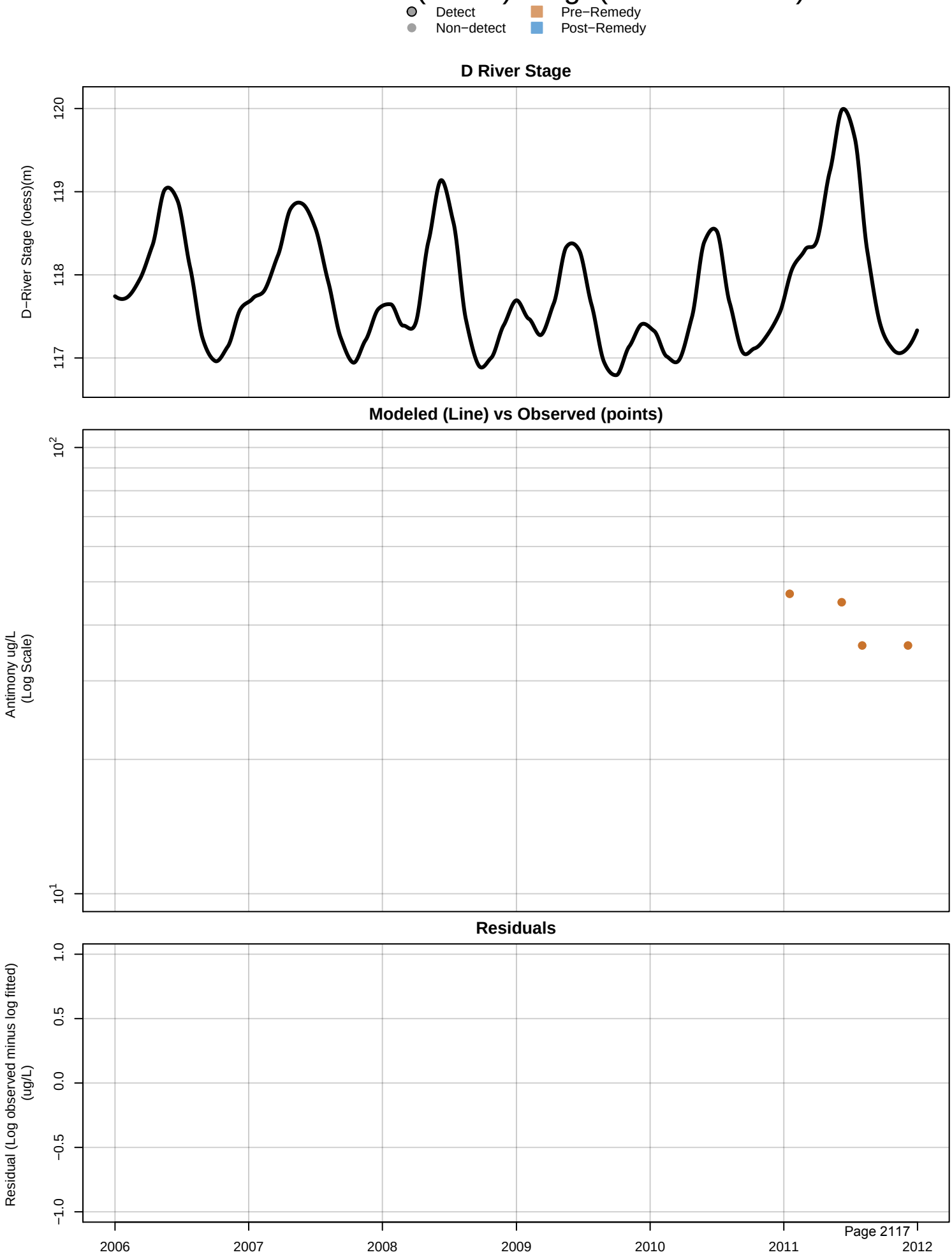
199−F5−47 (792m) Lag (Indeterminate)



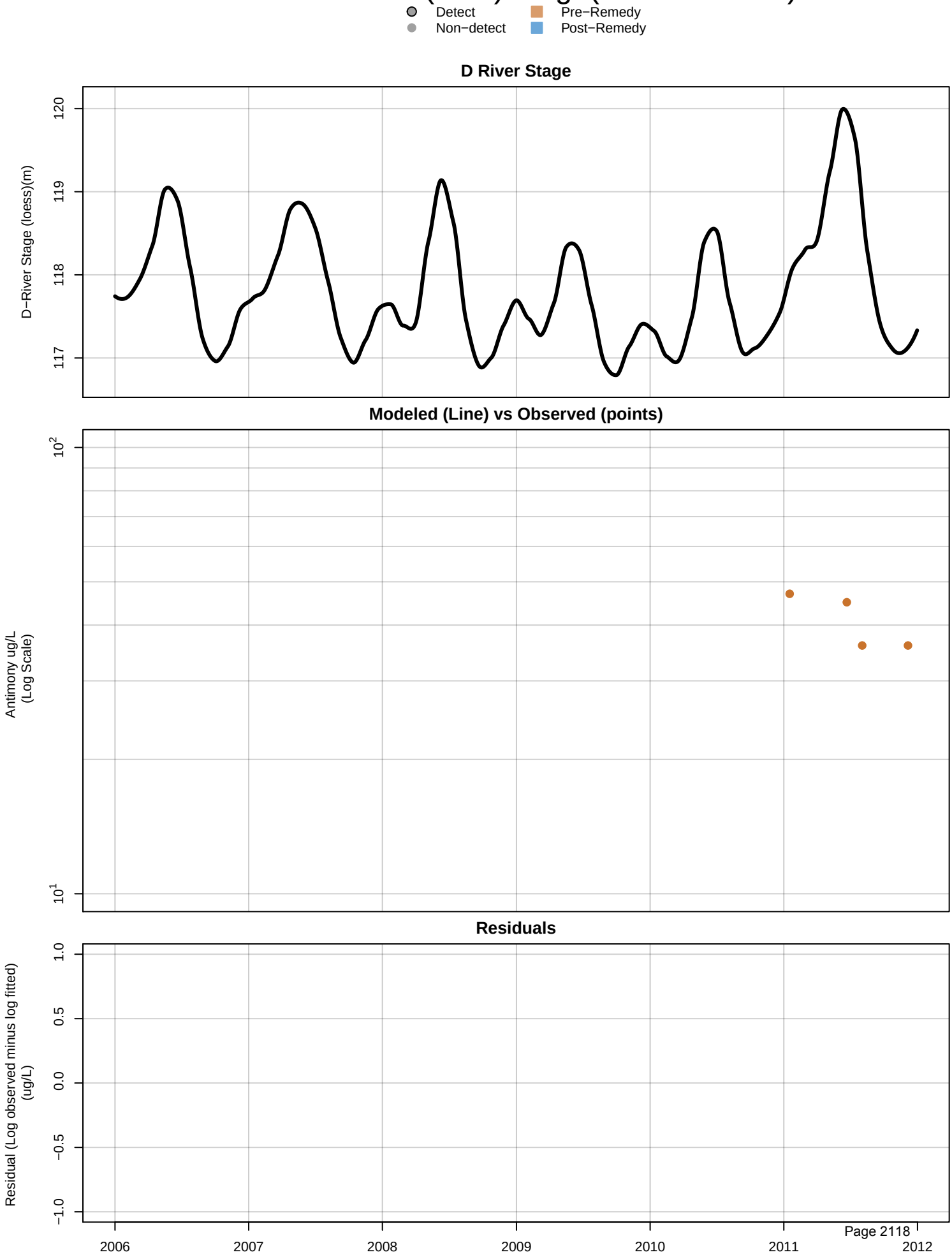
199−F5−48 (637m) Lag (Indeterminate)



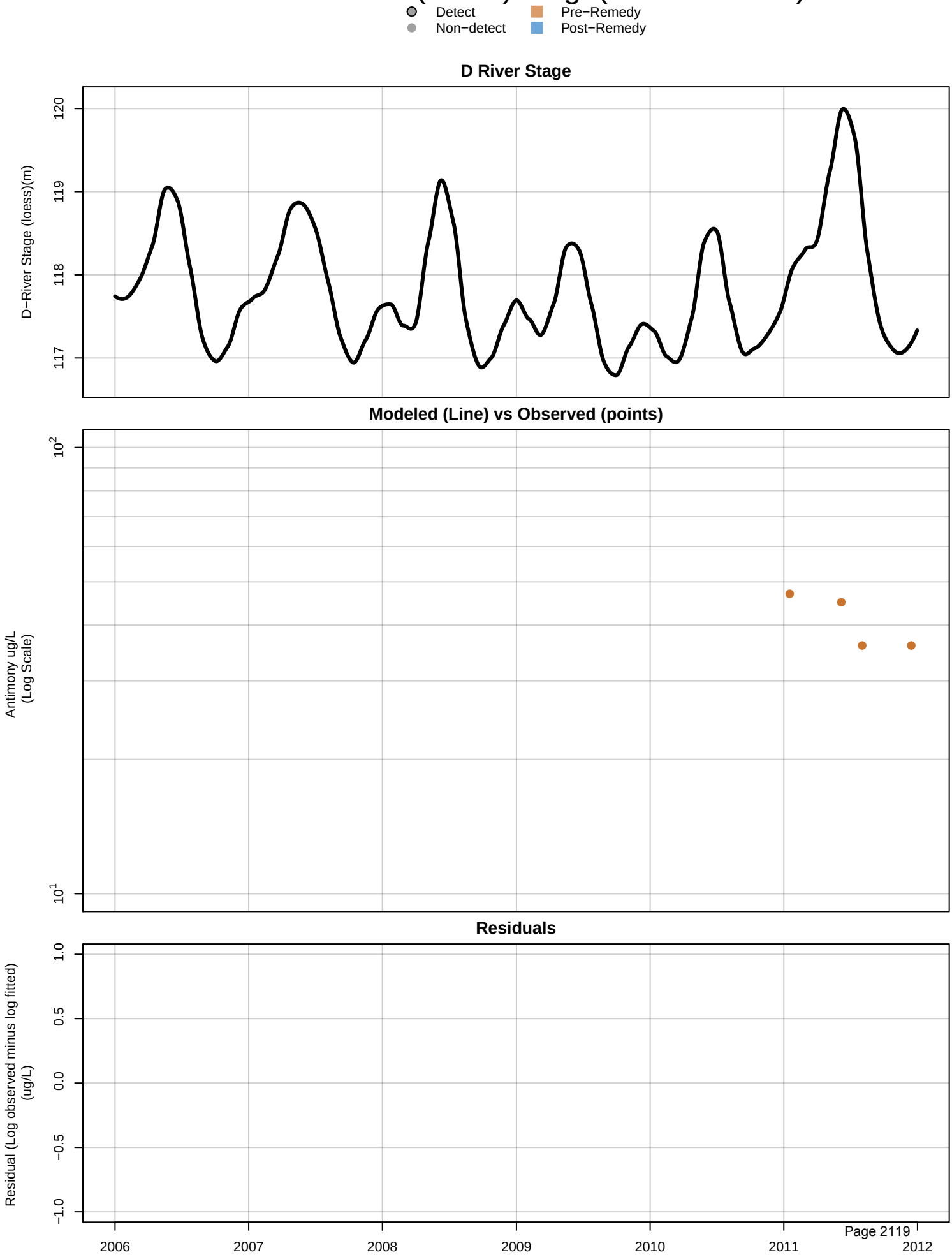
199−F5−52 (186m) Lag (Indeterminate)



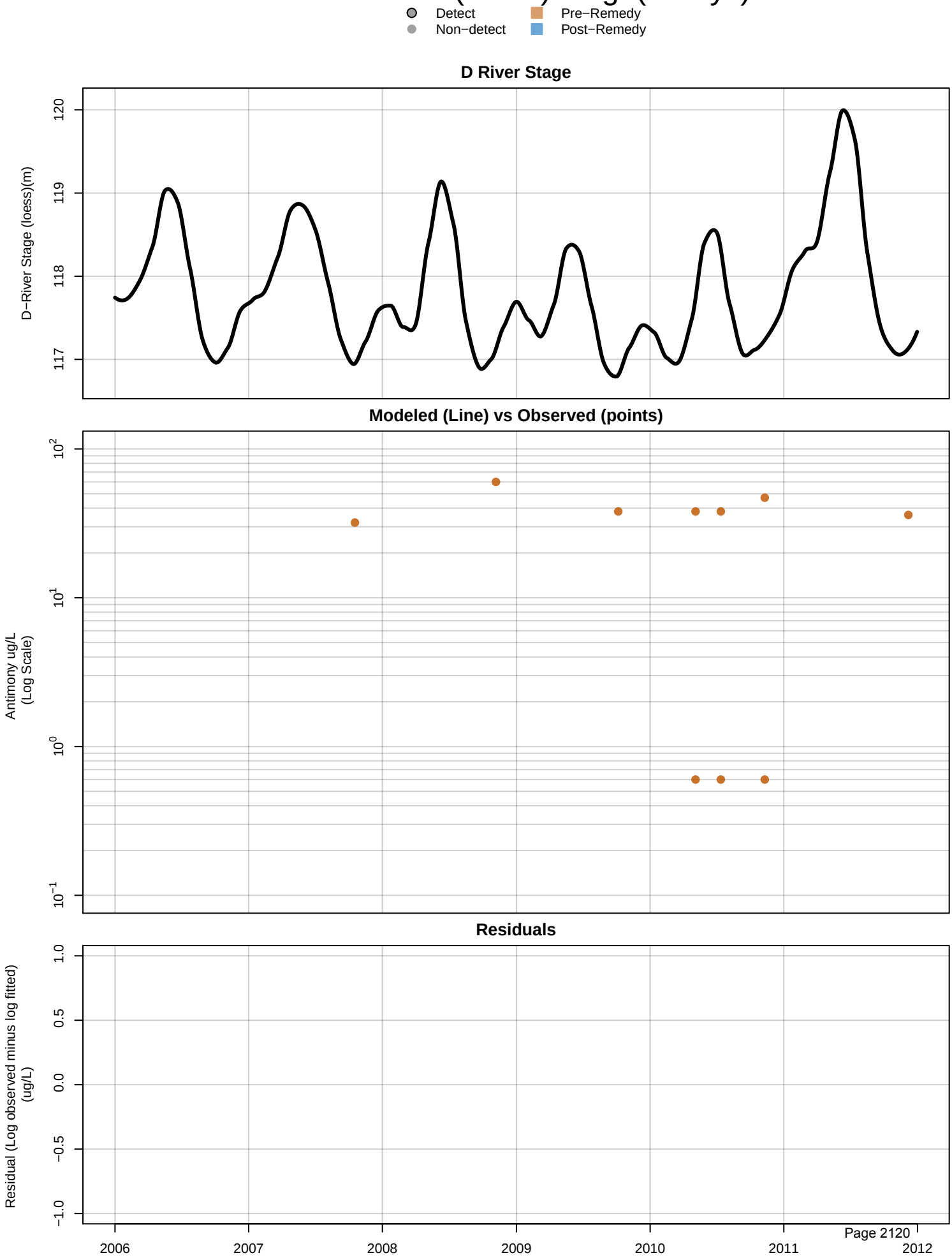
199−F5−53 (82m) Lag (Indeterminate)



199−F5−54 (248m) Lag (Indeterminate)

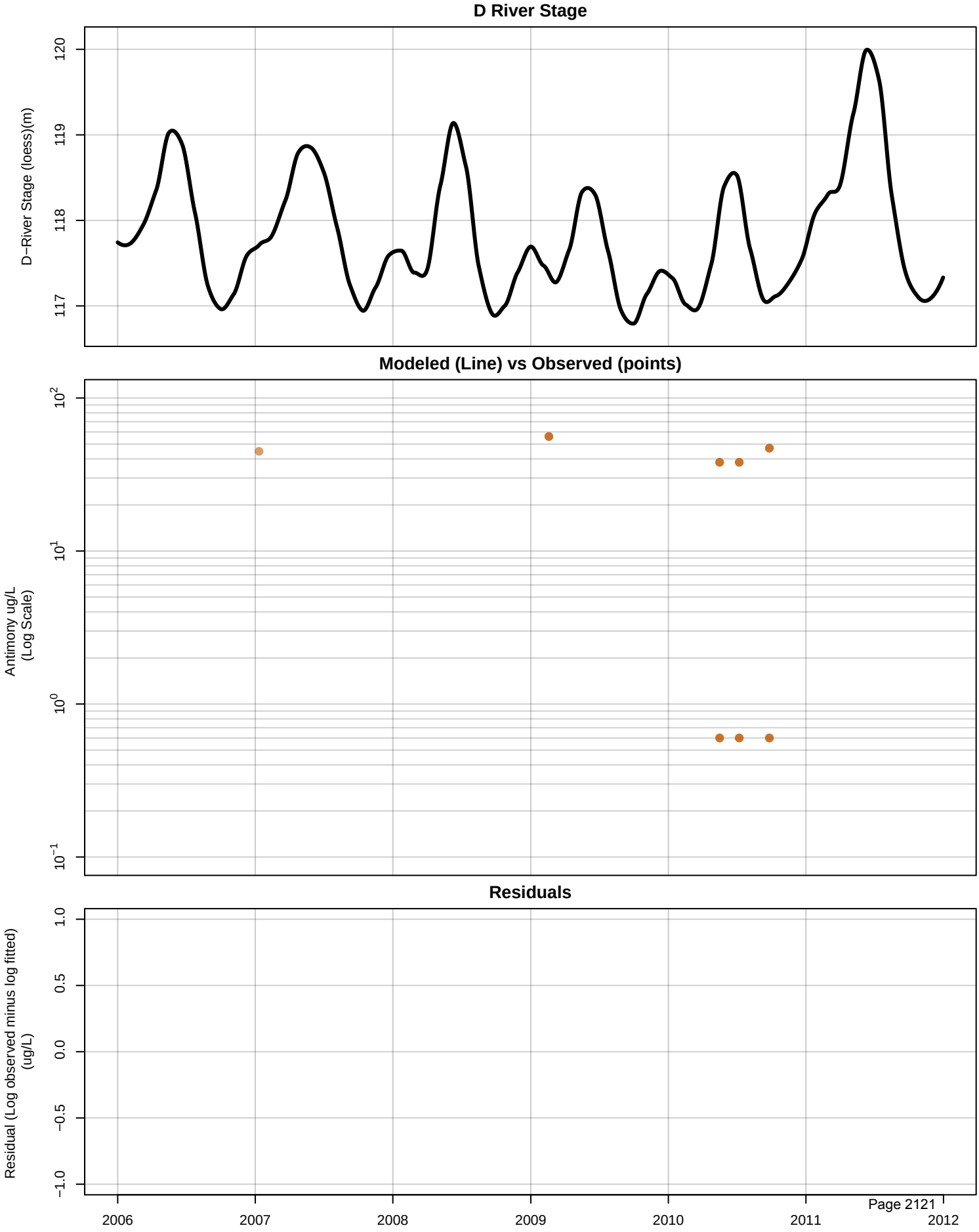


199−F5−6 (123m) Lag (2 Days)

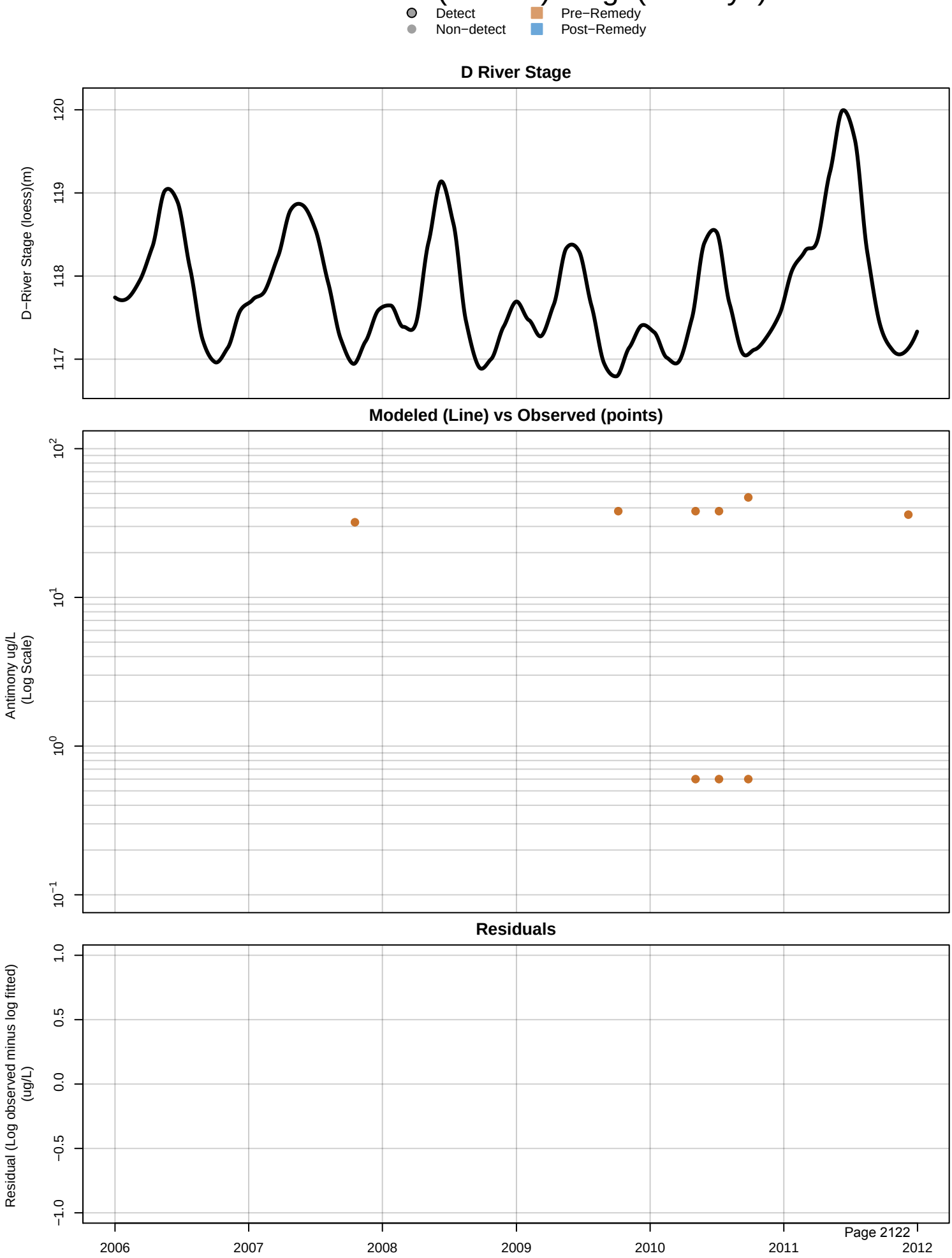


199−F6−1 (51m) Lag (18 Days)

Detect
Non−detect
Pre−Remedy
Post−Remedy

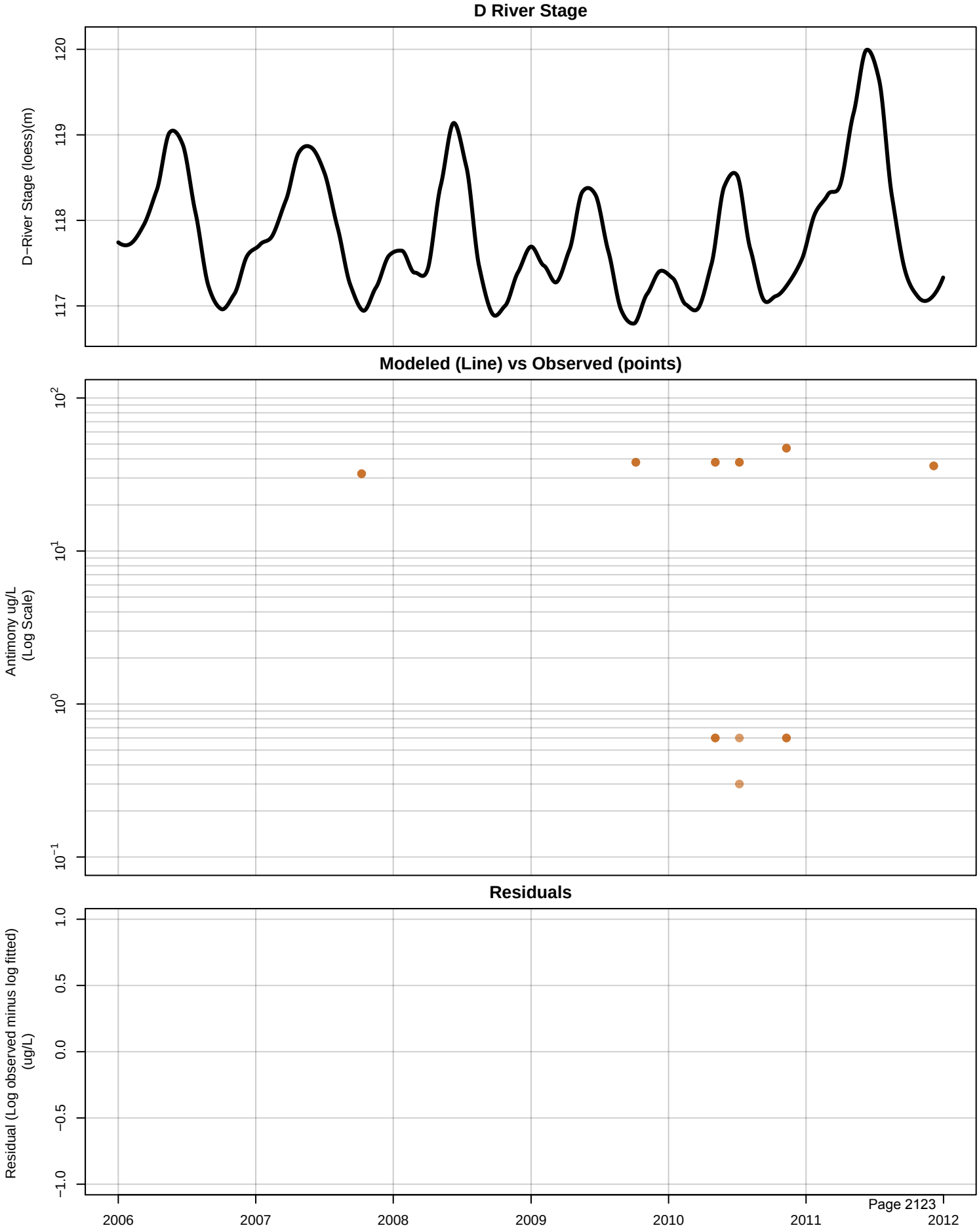


199−F7−1 (1650m) Lag (64 Days)



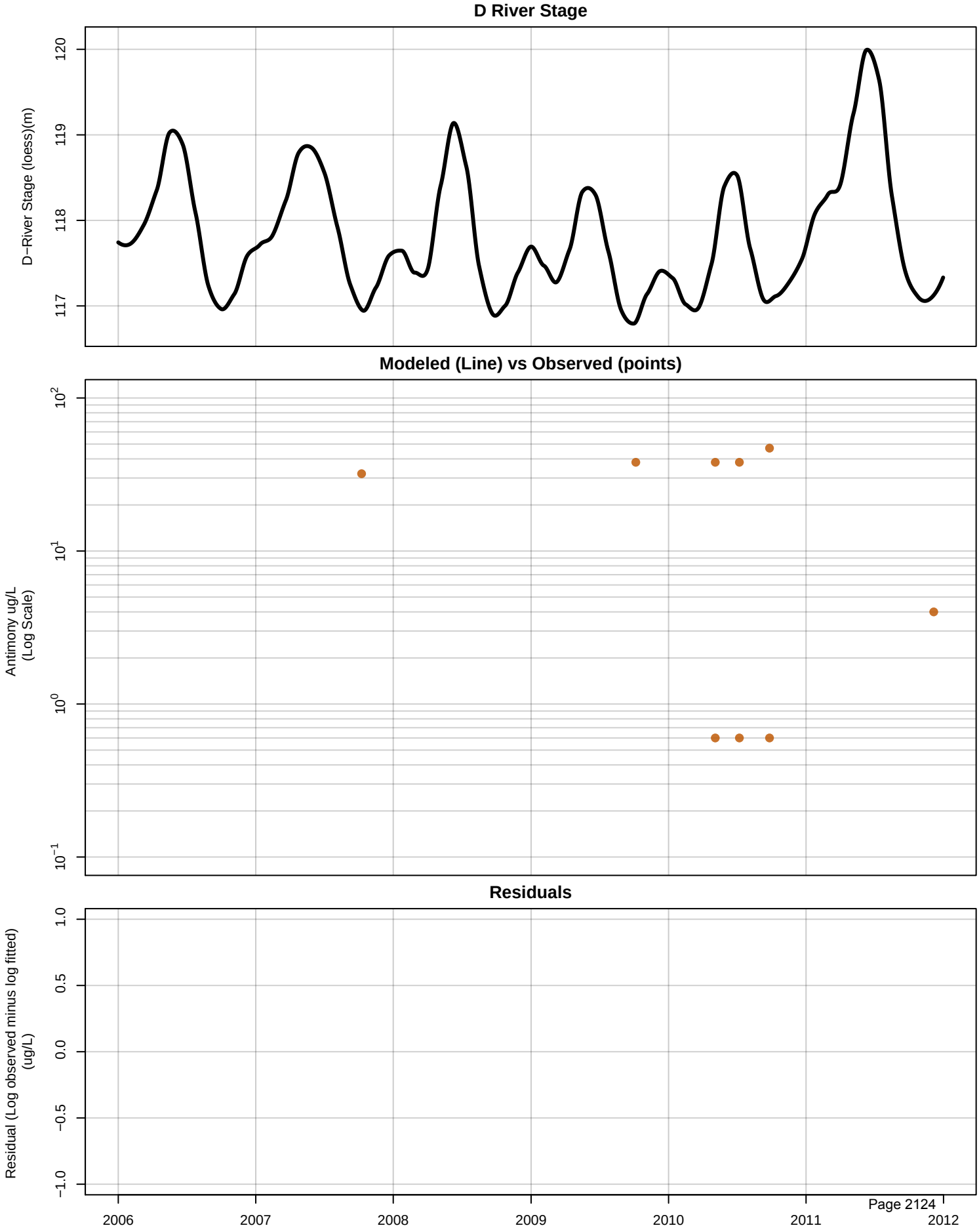
199−F7−2 (829m) Lag (81 Days)

Detect
Non−detect
Pre−Remedy
Post−Remedy



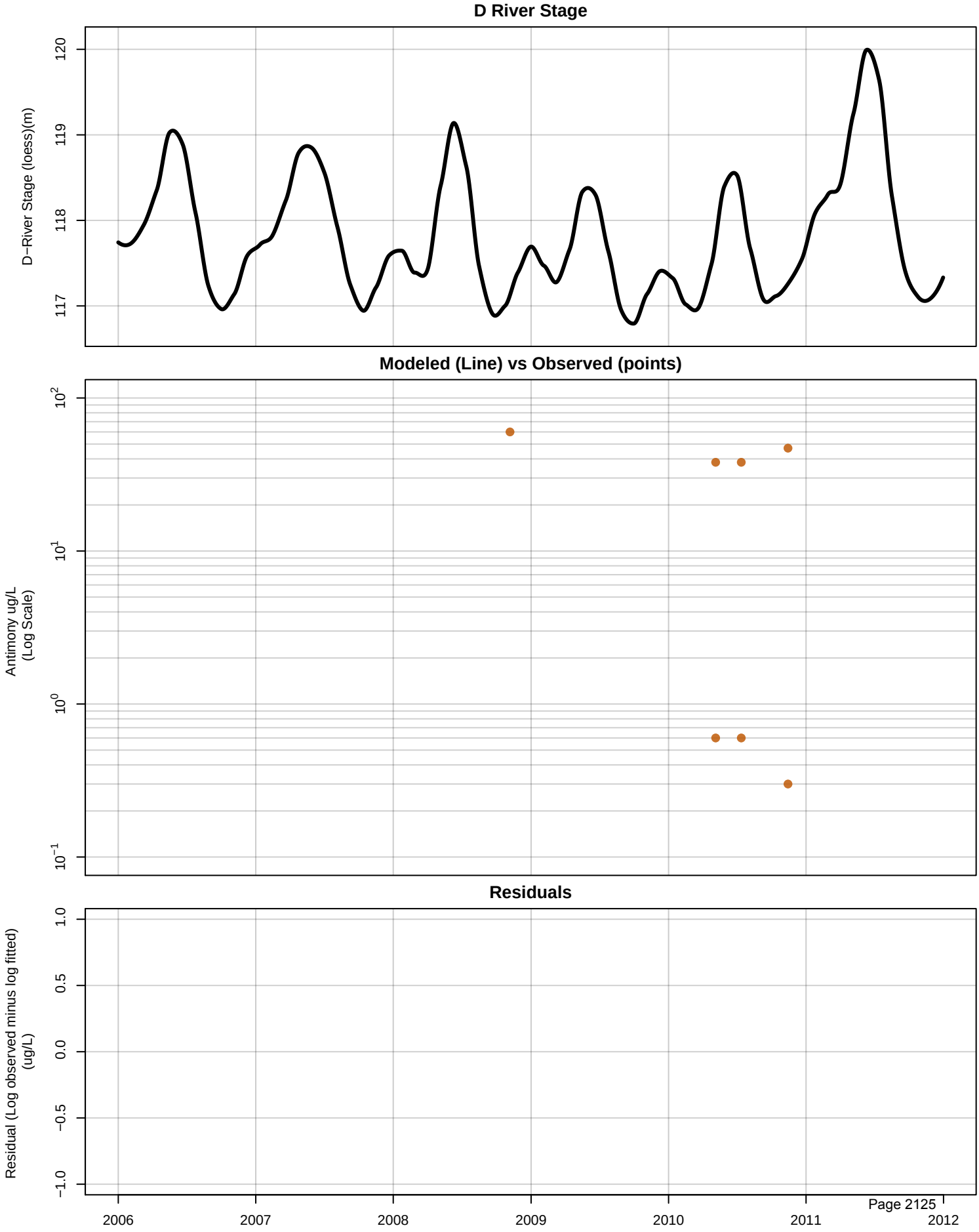
199−F7−3 (1468m) Lag (171 Days)

Detect
Non−detect
Pre−Remedy
Post−Remedy

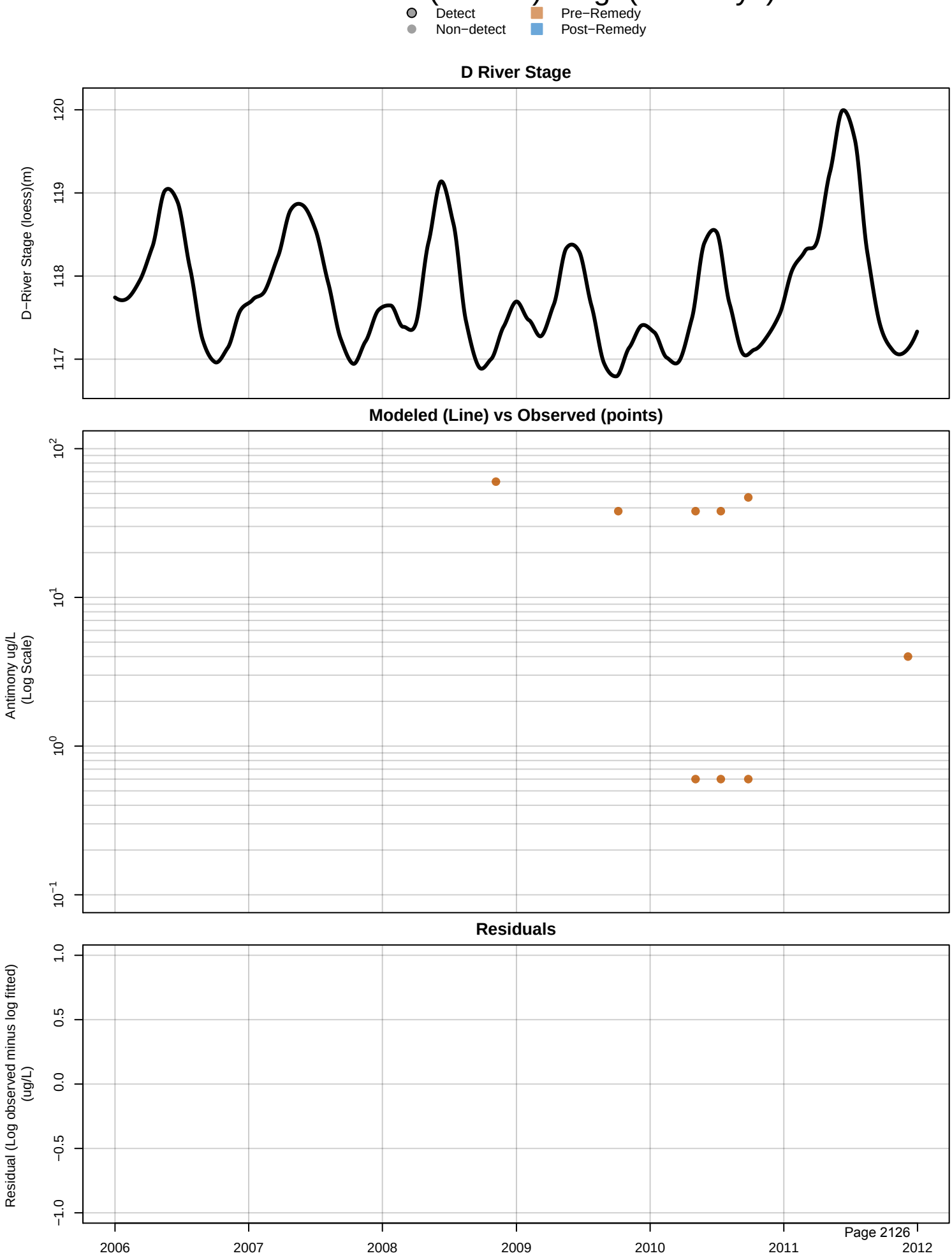


199−F8−2 (899m) Lag (Indeterminate)

Detect
Non−detect
Pre−Remedy
Post−Remedy

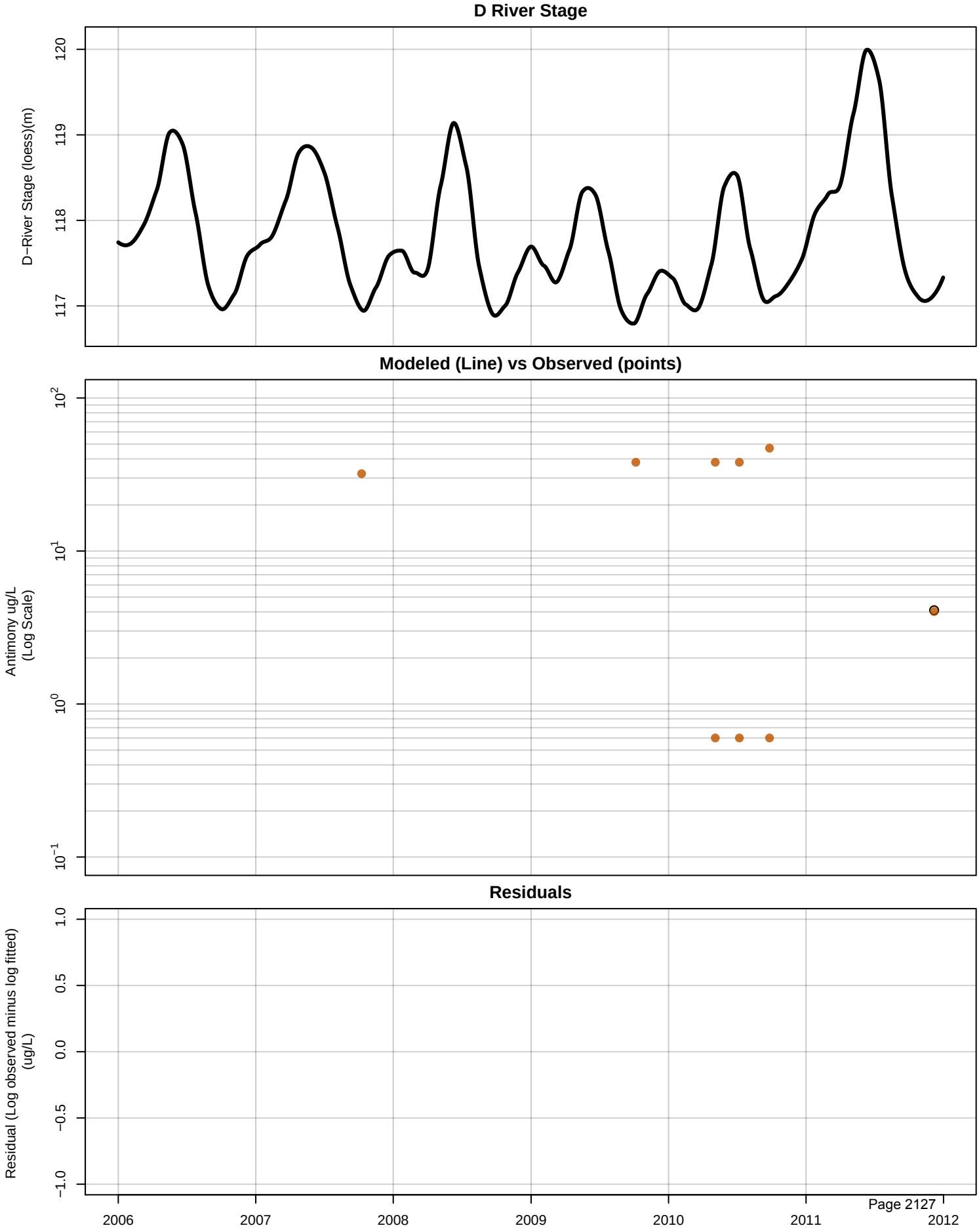
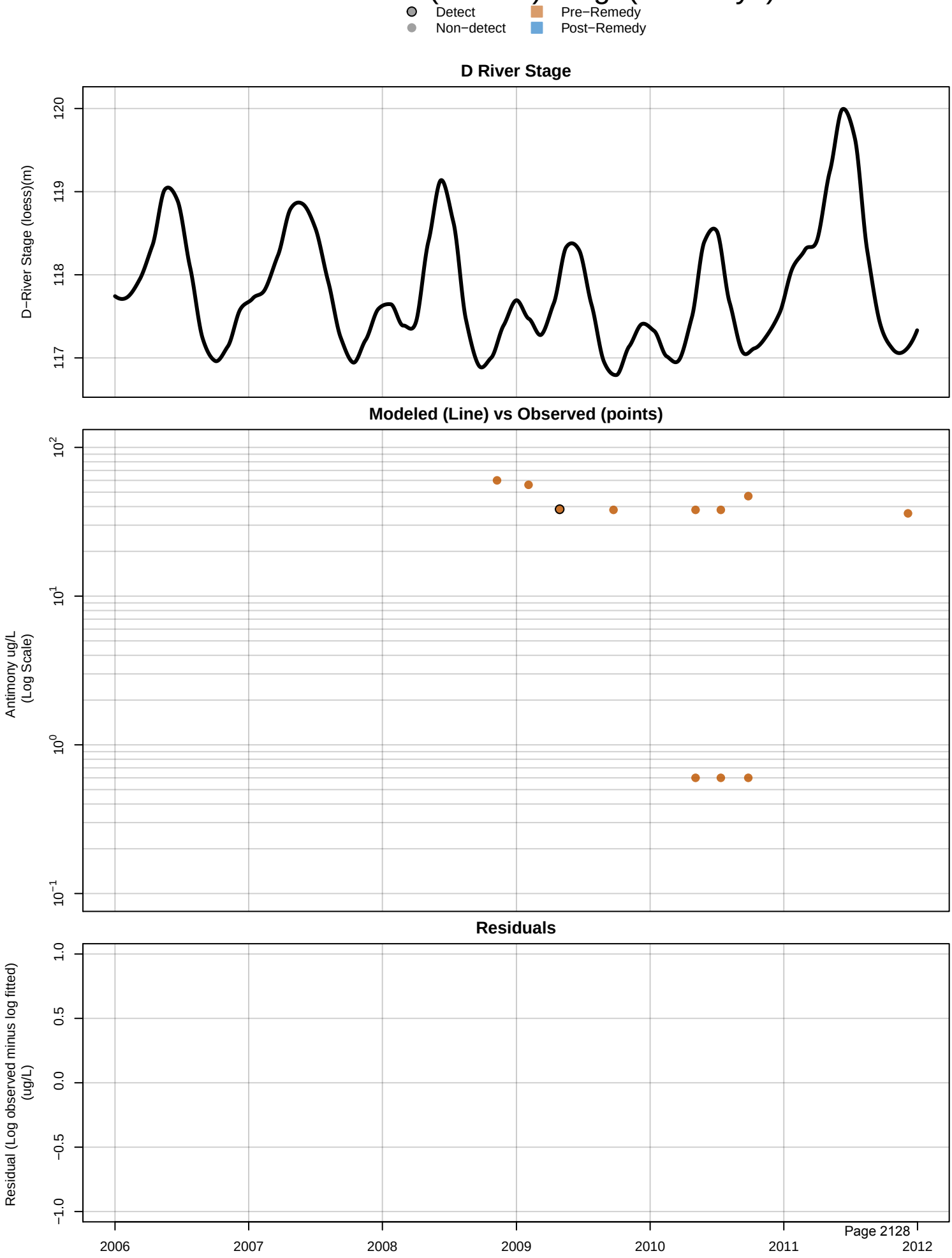


199−F8−3 (1141m) Lag (179 Days)



199−F8−4 (610m) Lag (72 Days)

Detect
Non−detect
Pre−Remedy
Post−Remedy



199−F8−7 (1258m) Lag (180 Days)