WETLAND ID	SURVEYOR INITIALS	BOUN-DARY	WD NUMBER	FLAG	LATITUDE (DD)	LONGITUDE (DD)	NORTHING	EASTING	DIS-TANCE (FEET)	SATELL-ITES (NUMBER)	GPS DATE	GPS TIME	PDOP (MAX)	HDOP (MAX)	CORRECTION TYPE	RECEIVER TYPE	DATAFILE
WET41	RW	A	pw-4	40	27.90821528	-97.00474156	17221840.7215	1467189.7089	15.84	8	10/20/2021	01:15:29pm	2.9	1.7	Postprocessed Code	Geo 7X (H-Star)	RW10_20_2021.cor
WET41	RW	A	pw-4	41	27.90821514	-97.00467663	17221840.9181	1467210.6777	20.97	8	10/20/2021	01:15:54pm	7.0	4.4	Postprocessed Carrier Float	Geo 7X (H-Star)	RW10_20_2021.cor
WET41	RW	A	pw-4	42	27.90822671	-97.00460645	17221845.3921	1467233.2964	23.06	8	10/20/2021	01:16:13pm	3.8	3.0	Postprocessed Carrier Float	Geo 7X (H-Star)	RW10_20_2021.cor
WET41	RW	A	pw-4	43	27.90831507	-97.00455222	17221877.7251	1467250.4273	36.59	8	10/20/2021	01:16:39pm	4.6	2.7	Postprocessed Code	Geo 7X (H-Star)	RW10_20_2021.cor
WET41	RW	A	pw-4	44	27.90834413	-97.00454989	17221888.2976	1467251.0566	10.59	8	10/20/2021	01:16:55pm	3.8	3.1	Postprocessed Carrier Float	Geo 7X (H-Star)	RW10_20_2021.cor
WET41	RW	A	pw-4	45	27.90835649	-97.00450996	17221892.9439	1467263.8991	13.66	8	10/20/2021	01:17:12pm	2.1	1.0	Postprocessed Carrier Float	Geo 7X (H-Star)	RW10_20_2021.cor
WET41	RW	A	pw-4	46	27.90840853	-97.00451006	17221911.8622	1467263.6418	18.92	8	10/20/2021	01:17:32pm	4.6	2.3	Postprocessed Carrier Float	Geo 7X (H-Star)	RW10_20_2021.cor
WET41	RW	A	pw-4	47	27.90843601	-97.00446879	17221922.0111	1467276.8534	16.66	8	10/20/2021	01:17:48pm	2.2	1.6	Postprocessed Carrier Float	Geo 7X (H-Star)	RW10_20_2021.cor
WET41	RW	A	pw-4	48	27.90846723	-97.00444054	17221933.4697	1467285.8429	14.56	8	10/20/2021	01:18:07pm	2.1	1.0	Postprocessed Carrier Float	Geo 7X (H-Star)	RW10_20_2021.cor
WET41	RW	A	pw-4	49	27.90844145	-97.00441168	17221924.2096	1467295.2753	13.22	8	10/20/2021	01:18:24pm	2.7	1.2	Postprocessed Carrier Float	Geo 7X (H-Star)	RW10_20_2021.cor
WET41	RW	A	pw-4	50	27.90837783	-97.00440802	17221901.0922	1467296.7307	23.16	8	10/20/2021	01:18:42pm	3.0	2.1	Postprocessed Carrier Float	Geo 7X (H-Star)	RW10_20_2021.cor
WET42	RW	A	pw-3	1	27.90958994	-97.0035872	17222344.9082	1467556.6015	0.00	9	10/20/2021	11:12:41am	3.9	1.6	Postprocessed Carrier Float	Geo 7X (H-Star)	RW10_20_2021.cor
WET42	RW	A	pw-3	2	27.90960669	-97.00360279	17222350.9354	1467551.4926	7.90	9	10/20/2021	11:13:29am	2.3	1.1	Postprocessed Carrier Float	Geo 7X (H-Star)	RW10_20_2021.cor
WET42	RW	A	pw-3	3	27.90958812	-97.00369471	17222343.8321	1467521.8864	30.45	9	10/20/2021	11:14:02am	2.9	1.3	Postprocessed Carrier Float	Geo 7X (H-Star)	RW10_20_2021.cor
WET42	RW	A	pw-3	4	27.9095324	-97.00367415	17222323.6550	1467528.7663	21.32	9	10/20/2021	11:15:01am	2.9	1.3	Postprocessed Carrier Float	Geo 7X (H-Star)	RW10_20_2021.cor
WET42	RW	A	pw-3	5	27.90946165	-97.00374427	17222297.6642	1467506.4265	34.27	9	10/20/2021	11:16:05am	2.3	1.1	Postprocessed Carrier Float	Geo 7X (H-Star)	RW10_20_2021.cor
WET42	RW	A	pw-3	6	27.90946089	-97.00376912	17222297.2941	1467498.4042	8.03	9	10/20/2021	11:16:20am	3.0	1.6	Postprocessed Carrier Float	Geo 7X (H-Star)	RW10_20_2021.cor
WET42	RW	A	pw-3	7	27.90949016	-97.00380351	17222307.8026	1467487.1726	15.38	9	10/20/2021	11:16:39am	3.0	1.6	Postprocessed Carrier Float	Geo 7X (H-Star)	RW10_20_2021.cor
WET42	RW	A	pw-3	8	27.90947374	-97.0038429	17222301.6816	1467474.5200	14.06	9	10/20/2021	11:16:55am	2.3	1.1	Postprocessed Carrier Float	Geo 7X (H-Star)	RW10_20_2021.cor
WET42	RW	A	pw-3	9	27.90945552	-97.00384676	17222295.0445	1467473.3530	6.74	9	10/20/2021	11:17:09am	2.9	1.2	Postprocessed Carrier Float	Geo 7X (H-Star)	RW10_20_2021.cor
WET42	RW	A	pw-3	10	27.90947366	-97.00380856	17222301.7859	1467485.6122	13.99	9	10/20/2021	11:17:33am	2.8	1.1	Postprocessed Carrier Float	Geo 7X (H-Star)	RW10_20_2021.cor
WET42	RW	A	pw-3	11	27.90945403	-97.00378486	17222294.7397	1467493.3497	10.47	9	10/20/2021	11:17:51am	2.8	1.2	Postprocessed Carrier Float	Geo 7X (H-Star)	RW10_20_2021.cor
WET42	RW	A	pw-3	12	27.9093971	-97.00374248	17222274.2020	1467507.2837	24.82	9	10/20/2021	11:18:23am	2.7	1.1	Postprocessed Carrier Float	Geo 7X (H-Star)	RW10_20_2021.cor
WET42	RW	A	pw-3	13	27.90935713	-97.00378749	17222259.4999	1467492.9196	20.55	9	10/20/2021	11:18:45am	3.8	1.6	Postprocessed Carrier Float	Geo 7X (H-Star)	RW10_20_2021.cor

WETLAND ID	SURVEYOR INITIALS	BOUN-DARY	WD NUMBER	FLAG	LATITUDE (DD)	LONGITUDE (DD)	NORTHING	EASTING	DIS-TANCE (FEET)	SATELL-ITES (NUMBER)	GPS DATE	GPS TIME	PDOP (MAX)	HDOP (MAX)	CORRECTION TYPE	RECEIVER TYPE	DATAFILE
WET42	RW	A	pw-3	14	27.90927697	-97.00378742	17222230.3572	1467493.2861	29.15	9	10/20/2021	11:19:11am	3.8	1.6	Postprocessed Carrier Float	Geo 7X (H-Star)	RW10_20_2021.cor
WET42	RW	A	pw-3	15	27.90925358	-97.00382567	17222221.7086	1467481.0338	15.00	9	10/20/2021	11:19:33am	3.0	1.6	Postprocessed Carrier Float	Geo 7X (H-Star)	RW10_20_2021.cor
WET42	RW	A	pw-3	16	27.90925959	-97.00388587	17222223.6621	1467461.5666	19.56	9	10/20/2021	11:19:53am	2.2	1.0	Postprocessed Carrier Float	Geo 7X (H-Star)	RW10_20_2021.cor
WET42	RW	A	pw-3	17	27.90928059	-97.00390999	17222231.2057	1467453.6841	10.91	9	10/20/2021	11:20:11am	2.1	1.0	Postprocessed Carrier Float	Geo 7X (H-Star)	RW10_20_2021.cor
WET42	RW	A	pw-3	18	27.90930082	-97.00391856	17222238.5246	1467450.8317	7.86	9	10/20/2021	11:20:25am	2.1	1.0	Postprocessed Carrier Float	Geo 7X (H-Star)	RW10_20_2021.cor
WET42	RW	A	pw-3	19	27.90930434	-97.00395572	17222239.6646	1467438.8137	12.07	9	10/20/2021	11:20:48am	2.1	1.0	Postprocessed Carrier Float	Geo 7X (H-Star)	RW10_20_2021.cor
WET42	RW	A	pw-3	20	27.90931968	-97.00398697	17222245.1217	1467428.6556	11.53	9	10/20/2021	11:21:08am	2.2	1.2	Postprocessed Carrier Float	Geo 7X (H-Star)	RW10_20_2021.cor
WET42	RW	A	pw-3	21	27.90933079	-97.00404811	17222248.9245	1467408.8630	20.15	9	10/20/2021	11:21:30am	2.1	1.0	Postprocessed Carrier Float	Geo 7X (H-Star)	RW10_20_2021.cor
WET42	RW	A	pw-3	22	27.90937	-97.00405864	17222263.1393	1467405.2928	14.66	9	10/20/2021	11:21:51am	4.1	2.2	Postprocessed Carrier Float	Geo 7X (H-Star)	RW10_20_2021.cor
WET42	RW	A	pw-3	23	27.90941717	-97.00403831	17222280.3686	1467411.6530	18.37	9	10/20/2021	11:22:12am	2.3	1.2	Postprocessed Carrier Float	Geo 7X (H-Star)	RW10_20_2021.cor
WET42	RW	A	pw-3	24	27.90940582	-97.00399863	17222276.3939	1467424.5172	13.46	9	10/20/2021	11:22:34am	2.9	1.4	Postprocessed Carrier Float	Geo 7X (H-Star)	RW10_20_2021.cor
WET42	RW	A	pw-3	25	27.90945388	-97.0039631	17222294.0031	1467435.7845	20.91	9	10/20/2021	11:23:01am	2.4	1.3	Postprocessed Carrier Float	Geo 7X (H-Star)	RW10_20_2021.cor
WET42	RW	A	pw-3	26	27.90950508	-97.0039554	17222312.6448	1467438.0513	18.78	9	10/20/2021	11:23:27am	2.2	1.3	Postprocessed Carrier Float	Geo 7X (H-Star)	RW10_20_2021.cor
WET42	RW	A	pw-3	27	27.90951847	-97.00392276	17222317.6376	1467448.5348	11.61	9	10/20/2021	11:23:52am	6.3	4.6	Postprocessed Carrier Float	Geo 7X (H-Star)	RW10_20_2021.cor
WET42	RW	A	pw-3	28	27.90951045	-97.00390665	17222314.7833	1467453.7733	5.97	9	10/20/2021	11:24:11am	2.2	1.1	Postprocessed Carrier Float	Geo 7X (H-Star)	RW10_20_2021.cor
WET42	RW	A	pw-3	29	27.90957223	-97.0038913	17222337.3045	1467458.4646	23.00	9	10/20/2021	11:24:33am	2.3	1.1	Postprocessed Carrier Float	Geo 7X (H-Star)	RW10_20_2021.cor
WET42	RW	A	pw-3	30	27.90961659	-97.0038883	17222353.4416	1467459.2412	16.16	9	10/20/2021	11:24:54am	3.0	1.6	Postprocessed Carrier Float	Geo 7X (H-Star)	RW10_20_2021.cor
WET42	RW	A	pw-3	31	27.9096099	-97.00391368	17222350.9134	1467451.0732	8.55	9	10/20/2021	11:25:11am	3.0	1.7	Postprocessed Carrier Float	Geo 7X (H-Star)	RW10_20_2021.cor
WET42	RW	A	pw-3	32	27.90957167	-97.0039173	17222337.0001	1467450.0696	13.95	9	10/20/2021	11:25:36am	3.3	1.6	Postprocessed Carrier Float	Geo 7X (H-Star)	RW10_20_2021.cor
WET42	RW	A	pw-3	33	27.90950883	-97.0039824	17222313.9040	1467429.3174	31.05	9	10/20/2021	11:26:02am	2.5	1.2	Postprocessed Carrier Float	Geo 7X (H-Star)	RW10_20_2021.cor
WET42	RW	A	pw-3	34	27.90946571	-97.00406546	17222297.9103	1467402.6757	31.07	9	10/20/2021	11:26:31am	4.8	3.1	Postprocessed Carrier Float	Geo 7X (H-Star)	RW10_20_2021.cor
WET42	RW	A	pw-3	35	27.90940908	-97.00405766	17222277.3535	1467405.4398	20.74	9	10/20/2021	11:26:53am	2.5	1.2	Postprocessed Carrier Float	Geo 7X (H-Star)	RW10_20_2021.cor
WET42	RW	A	pw-3	36	27.90931856	-97.00408322	17222244.3438	1467397.5737	33.93	9	10/20/2021	11:27:22am	3.9	2.1	Postprocessed Carrier Float	Geo 7X (H-Star)	RW10_20_2021.cor
WET42	RW	A	pw-3	37	27.90926378	-97.0040952	17222224.3825	1467393.9411	20.29	9	10/20/2021	11:27:45am	3.4	2.3	Postprocessed Carrier Float	Geo 7X (H-Star)	RW10_20_2021.cor

WETLAND ID	SURVEYOR INITIALS	BOUN-DARY	WD NUMBER	FLAG	LATITUDE (DD)	LONGITUDE (DD)	NORTHING	EASTING	DIS-TANCE (FEET)	SATELL-ITES (NUMBER)	GPS DATE	GPS TIME	PDOP (MAX)	HDOP (MAX)	CORRECTION TYPE	RECEIVER TYPE	DATAFILE
WET42	RW	A	pw-3	38	27.90927596	-97.00405023	17222228.9819	1467408.4135	15.19	9	10/20/2021	11:28:05am	2.5	1.1	Postprocessed Carrier Float	Geo 7X (H-Star)	RW10_20_2021.cor
WET42	RW	A	pw-3	39	27.90924879	-97.00399941	17222219.3012	1467424.9447	19.16	9	10/20/2021	11:28:25am	5.5	2.8	Postprocessed Carrier Float	Geo 7X (H-Star)	RW10_20_2021.cor
WET42	RW	A	pw-3	40	27.90924247	-97.00395659	17222217.1660	1467438.7993	14.02	9	10/20/2021	11:28:44am	4.3	1.5	Postprocessed Carrier Float	Geo 7X (H-Star)	RW10_20_2021.cor
WET42	RW	A	pw-3	41	27.9092074	-97.00392254	17222204.5466	1467449.9463	16.84	9	10/20/2021	11:29:05am	5.0	2.5	Postprocessed Code	Geo 7X (H-Star)	RW10_20_2021.cor
WET42	RW	A	pw-3	42	27.90919574	-97.00386596	17222200.5230	1467468.2727	18.76	9	10/20/2021	11:29:25am	2.6	1.3	Postprocessed Code	Geo 7X (H-Star)	RW10_20_2021.cor
WET42	RW	A	pw-3	43	27.90914184	-97.00383438	17222181.0486	1467478.7028	22.09	9	10/20/2021	11:29:50am	3.0	1.6	Postprocessed Carrier Float	Geo 7X (H-Star)	RW10_20_2021.cor
WET42	RW	A	pw-3	44	27.90910508	-97.00389387	17222167.4594	1467459.6470	23.40	9	10/20/2021	11:30:15am	4.7	2.5	Postprocessed Carrier Float	Geo 7X (H-Star)	RW10_20_2021.cor
WET42	RW	A	pw-3	45	27.90909745	-97.00393943	17222164.5106	1467444.9679	14.97	9	10/20/2021	11:30:36am	2.1	1.0	Postprocessed Code	Geo 7X (H-Star)	RW10_20_2021.cor
WET42	RW	A	pw-3	46	27.9091096	-97.00400349	17222168.6818	1467424.2258	21.16	9	10/20/2021	11:30:56am	2.9	1.6	Postprocessed Code	Geo 7X (H-Star)	RW10_20_2021.cor
WET42	RW	A	pw-3	47	27.90914107	-97.00403297	17222180.0083	1467414.5680	14.88	9	10/20/2021	11:31:14am	3.9	2.7	Postprocessed Carrier Float	Geo 7X (H-Star)	RW10_20_2021.cor
WET42	RW	A	pw-3	48	27.90911026	-97.00407533	17222168.6461	1467401.0218	17.68	9	10/20/2021	11:31:37am	2.6	1.5	Postprocessed Carrier Float	Geo 7X (H-Star)	RW10_20_2021.cor
WET42	RW	A	pw-3	49	27.90913876	-97.00410248	17222178.9036	1467392.1307	13.57	9	10/20/2021	11:32:13am	2.6	1.1	Postprocessed Carrier Float	Geo 7X (H-Star)	RW10_20_2021.cor
WET42	RW	A	pw-3	50	27.90917636	-97.00412043	17222192.5036	1467386.1695	14.85	9	10/20/2021	11:32:51am	3.0	1.9	Postprocessed Carrier Float	Geo 7X (H-Star)	RW10_20_2021.cor
WET42	RW	A	pw-3	51	27.90916171	-97.00416673	17222187.0010	1467371.2791	15.87	9	10/20/2021	11:33:15am	6.1	3.6	Postprocessed Carrier Float	Geo 7X (H-Star)	RW10_20_2021.cor
WET42	RW	A	pw-3	52	27.9092032	-97.00418096	17222202.0325	1467366.5051	15.77	9	10/20/2021	11:33:36am	4.8	2.3	Postprocessed Carrier Float	Geo 7X (H-Star)	RW10_20_2021.cor
WET42	RW	A	pw-3	53	27.90922947	-97.00422008	17222211.4304	1467353.7568	15.84	9	10/20/2021	11:33:55am	3.0	1.9	Postprocessed Carrier Float	Geo 7X (H-Star)	RW10_20_2021.cor
WET42	RW	A	pw-3	54	27.90915758	-97.00428224	17222185.0565	1467333.9931	32.96	9	10/20/2021	11:34:17am	3.8	2.7	Postprocessed Carrier Float	Geo 7X (H-Star)	RW10_20_2021.cor
WET42	RW	A	pw-3	55	27.90910936	-97.00419003	17222167.8784	1467363.9802	34.56	9	10/20/2021	11:34:42am	2.9	1.3	Postprocessed Code	Geo 7X (H-Star)	RW10_20_2021.cor
WET42	RW	A	pw-3	56	27.90905171	-97.00420337	17222146.8702	1467359.9218	21.40	9	10/20/2021	11:35:05am	3.5	1.9	Postprocessed Carrier Float	Geo 7X (H-Star)	RW10_20_2021.cor
WET42	RW	A	pw-3	57	27.90903149	-97.00424026	17222139.3758	1467348.0925	14.00	9	10/20/2021	11:35:28am	3.7	1.6	Postprocessed Code	Geo 7X (H-Star)	RW10_20_2021.cor
WET42	RW	A	pw-3	58	27.90893318	-97.00424701	17222103.6105	1467346.3392	35.81	9	10/20/2021	11:36:04am	2.7	1.5	Postprocessed Carrier Float	Geo 7X (H-Star)	RW10_20_2021.cor
WET42	RW	A	pw-3	59	27.90889404	-97.00424268	17222089.3966	1467347.9035	14.30	9	10/20/2021	11:36:24am	1.5	3.1	Postprocessed Carrier Float	Geo 7X (H-Star)	RW10_20_2021.cor
WET42	RW	A	pw-3	60	27.90886626	-97.00427555	17222079.1725	1467337.4087	14.65	9	10/20/2021	11:36:49am	2.8	1.5	Postprocessed Code	Geo 7X (H-Star)	RW10_20_2021.cor
WET42	RW	A	pw-3	61	27.90884018	-97.00432346	17222069.5072	1467322.0489	18.15	9	10/20/2021	11:37:10am	3.0	2.2	Postprocessed Code	Geo 7X (H-Star)	RW10_20_2021.cor

WETLAND ID	SURVEYOR INITIALS	BOUN-DARY	WD NUMBER	FLAG	LATITUDE (DD)	LONGITUDE (DD)	NORTHING	EASTING	DIS-TANCE (FEET)	SATELL-ITES (NUMBER)	GPS DATE	GPS TIME	PDOP (MAX)	HDOP (MAX)	CORRECTION TYPE	RECEIVER TYPE	DATAFILE
WET42	RW	A	pw-3	62	27.90877746	-97.00432783	17222046.6873	1467320.9081	22.85	9	10/20/2021	11:37:32am	4.8	2.2	Postprocessed Carrier Float	Geo 7X (H-Star)	RW10_20_2021.cor
WET42	RW	A	pw-3	63	27.90872688	-97.00435641	17222028.1893	1467311.8937	20.58	9	10/20/2021	11:37:53am	2.8	1.5	Postprocessed Carrier Float	Geo 7X (H-Star)	RW10_20_2021.cor
WET42	RW	A	pw-3	64	27.90867916	-97.00439728	17222010.6858	1467298.8993	21.80	9	10/20/2021	11:38:15am	4.3	3.6	Postprocessed Code	Geo 7X (H-Star)	RW10_20_2021.cor
WET42	RW	A	pw-3	65	27.90858412	-97.00443456	17221975.9893	1467287.2694	36.59	9	10/20/2021	11:38:46am	3.9	2.1	Postprocessed Code	Geo 7X (H-Star)	RW10_20_2021.cor
WET42	RW	A	pw-3	66	27.90858164	-97.00447178	17221974.9450	1467275.2602	12.05	9	10/20/2021	11:39:04am	2.7	1.4	Postprocessed Carrier Float	Geo 7X (H-Star)	RW10_20_2021.cor
WET42	RW	A	pw-3	67	27.90856713	-97.00445979	17221969.7164	1467279.1943	6.54	9	10/20/2021	11:39:21am	3.8	2.0	Postprocessed Carrier Float	Geo 7X (H-Star)	RW10_20_2021.cor
WET42	RW	A	pw-3	68	27.90856902	-97.00442338	17221970.5405	1467290.9466	11.78	7	10/20/2021	11:39:38am	2.5	1.2	Postprocessed Carrier Float	Geo 7X (H-Star)	RW10_20_2021.cor
WET42	RW	A	pw-3	69	27.90864188	-97.00438685	17221997.1720	1467302.4285	29.00	7	10/20/2021	11:40:04am	2.8	1.5	Postprocessed Carrier Float	Geo 7X (H-Star)	RW10_20_2021.cor
WET42	RW	A	pw-3	70	27.90864348	-97.00433074	17221997.9673	1467320.5456	18.13	7	10/20/2021	11:40:25am	2.6	1.7	Postprocessed Carrier Float	Geo 7X (H-Star)	RW10_20_2021.cor
WET42	RW	A	pw-3	71	27.90860743	-97.00428523	17221985.0356	1467335.3966	19.69	7	10/20/2021	11:40:46am	2.4	1.3	Postprocessed Carrier Float	Geo 7X (H-Star)	RW10_20_2021.cor
WET42	RW	A	pw-3	72	27.90858975	-97.00424963	17221978.7439	1467346.9707	13.17	7	10/20/2021	11:41:07am	3.5	2.7	Postprocessed Carrier Float	Geo 7X (H-Star)	RW10_20_2021.cor
WET42	RW	A	pw-3	73	27.90853801	-97.00430381	17221959.7272	1467329.6962	25.69	7	10/20/2021	11:41:31am	4.3	3.5	Postprocessed Carrier Float	Geo 7X (H-Star)	RW10_20_2021.cor
WET42	RW	A	pw-3	74	27.90849622	-97.00430353	17221944.5337	1467329.9668	15.20	7	10/20/2021	11:42:00am	2.7	1.2	Postprocessed Carrier Float	Geo 7X (H-Star)	RW10_20_2021.cor
WET42	RW	A	pw-3	75	27.90849749	-97.00428202	17221945.0763	1467336.9094	6.96	7	10/20/2021	11:42:18am	2.5	1.5	Postprocessed Carrier Float	Geo 7X (H-Star)	RW10_20_2021.cor
WET42	RW	A	pw-3	76	27.90853884	-97.00427587	17221960.1344	1467338.7158	15.17	7	10/20/2021	11:42:38am	3.2	1.8	Postprocessed Carrier Float	Geo 7X (H-Star)	RW10_20_2021.cor
WET42	RW	A	pw-3	77	27.90858131	-97.00423409	17221975.7364	1467352.0262	20.51	7	10/20/2021	11:42:58am	5.8	3.6	Postprocessed Carrier Float	Geo 7X (H-Star)	RW10_20_2021.cor
WET42	RW	A	pw-3	78	27.9086422	-97.00425207	17221997.8049	1467345.9556	22.89	7	10/20/2021	11:43:21am	2.4	1.3	Postprocessed Carrier Float	Geo 7X (H-Star)	RW10_20_2021.cor
WET42	RW	A	pw-3	79	27.90862216	-97.00428711	17221990.3823	1467334.7254	13.46	7	10/20/2021	11:43:39am	2.9	1.3	Postprocessed Carrier Float	Geo 7X (H-Star)	RW10_20_2021.cor
WET42	RW	A	pw-3	80	27.90864417	-97.00430393	17221998.3203	1467329.2008	9.67	7	10/20/2021	11:43:58am	2.2	1.1	Postprocessed Carrier Float	Geo 7X (H-Star)	RW10_20_2021.cor
WET42	RW	A	pw-3	81	27.90868965	-97.00423784	17222015.1087	1467350.3484	27.00	7	10/20/2021	11:44:20am	4.1	2.3	Postprocessed Carrier Float	Geo 7X (H-Star)	RW10_20_2021.cor
WET42	RW	A	pw-3	82	27.90873393	-97.00417907	17222031.4302	1467369.1400	24.89	7	10/20/2021	11:44:45am	3.8	1.6	Postprocessed Carrier Float	Geo 7X (H-Star)	RW10_20_2021.cor
WET42	RW	A	pw-3	83	27.9087936	-97.00413734	17222053.2861	1467382.3588	25.54	7	10/20/2021	11:45:17am	5.0	3.4	Postprocessed Carrier Float	Geo 7X (H-Star)	RW10_20_2021.cor
WET42	RW	A	pw-3	84	27.90883841	-97.0041641	17222069.4717	1467373.5219	18.44	7	10/20/2021	11:45:42am	2.6	1.4	Postprocessed Carrier Float	Geo 7X (H-Star)	RW10_20_2021.cor
WET42	RW	A	pw-3	85	27.90877813	-97.00420713	17222047.3940	1467359.8870	25.95	7	10/20/2021	11:46:12am	4.3	1.9	Postprocessed Carrier Float	Geo 7X (H-Star)	RW10_20_2021.cor

WETLAND ID	SURVEYOR INITIALS	BOUN-DARY	WD NUMBER	FLAG	LATITUDE (DD)	LONGITUDE (DD)	NORTHING	EASTING	DIS-TANCE (FEET)	SATELL-ITES (NUMBER)	GPS DATE	GPS TIME	PDOP (MAX)	HDOP (MAX)	CORRECTION TYPE	RECEIVER TYPE	DATAFILE
WET42	RW	A	pw-3	86	27.90880576	-97.00423725	17222057.3215	1467350.0373	13.98	7	10/20/2021	11:46:37am	3.1	2.0	Postprocessed Carrier Float	Geo 7X (H-Star)	RW10_20_2021.cor
WET42	RW	A	pw-3	87	27.90885189	-97.00420012	17222074.2365	1467361.8319	20.62	7	10/20/2021	11:47:00am	3.2	1.5	Postprocessed Carrier Float	Geo 7X (H-Star)	RW10_20_2021.cor
WET42	RW	A	pw-3	88	27.90886238	-97.00417145	17222078.1600	1467371.0445	10.01	7	10/20/2021	11:47:23am	3.2	2.4	Postprocessed Carrier Float	Geo 7X (H-Star)	RW10_20_2021.cor
WET42	RW	A	pw-3	89	27.90888312	-97.0041812	17222085.6617	1467367.8086	8.17	7	10/20/2021	11:48:16am	2.3	1.1	Postprocessed Carrier Float	Geo 7X (H-Star)	RW10_20_2021.cor
WET42	RW	A	pw-3	90	27.9088904	-97.00419669	17222088.2486	1467362.7735	5.66	7	10/20/2021	11:48:35am	3.0	1.6	Postprocessed Carrier Float	Geo 7X (H-Star)	RW10_20_2021.cor
WET42	RW	A	pw-3	91	27.90895449	-97.00421503	17222111.4805	1467356.5744	24.04	7	10/20/2021	11:48:59am	4.3	2.5	Postprocessed Carrier Float	Geo 7X (H-Star)	RW10_20_2021.cor
WET42	RW	A	pw-3	92	27.90901728	-97.00420777	17222134.3364	1467358.6495	22.95	7	10/20/2021	11:49:24am	3.1	2.0	Postprocessed Carrier Float	Geo 7X (H-Star)	RW10_20_2021.cor
WET42	RW	A	pw-3	93	27.90906239	-97.00416771	17222150.8882	1467371.3923	20.89	7	10/20/2021	11:49:50am	2.2	1.1	Postprocessed Carrier Float	Geo 7X (H-Star)	RW10_20_2021.cor
WET42	RW	A	pw-3	94	27.90914754	-97.00415073	17222181.9098	1467376.5094	31.44	7	10/20/2021	11:50:13am	5.1	3.3	Postprocessed Carrier Float	Geo 7X (H-Star)	RW10_20_2021.cor
WET42	RW	A	pw-3	95	27.9091367	-97.00412595	17222178.0650	1467384.5576	8.92	7	10/20/2021	11:50:34am	3.8	2.6	Postprocessed Carrier Float	Geo 7X (H-Star)	RW10_20_2021.cor
WET42	RW	A	pw-3	96	27.90910131	-97.00410156	17222165.2924	1467392.5891	15.09	7	10/20/2021	11:50:53am	6.2	2.6	Postprocessed Carrier Float	Geo 7X (H-Star)	RW10_20_2021.cor
WET42	RW	A	pw-3	97	27.90904867	-97.00411813	17222146.0923	1467387.4638	19.87	7	10/20/2021	11:51:18am	3.1	2.2	Postprocessed Carrier Float	Geo 7X (H-Star)	RW10_20_2021.cor
WET42	RW	A	pw-3	98	27.9090228	-97.00406638	17222136.8837	1467404.2875	19.18	7	10/20/2021	11:51:39am	3.1	1.8	Postprocessed Carrier Float	Geo 7X (H-Star)	RW10_20_2021.cor
WET42	RW	A	pw-3	99	27.90901889	-97.00402687	17222135.6120	1467417.0667	12.84	7	10/20/2021	11:51:58am	2.8	1.7	Postprocessed Carrier Float	Geo 7X (H-Star)	RW10_20_2021.cor
WET42	RW	A	pw-3	100	27.90899096	-97.00398646	17222125.6150	1467430.2366	16.53	7	10/20/2021	11:52:24am	4.9	3.2	Postprocessed Carrier Float	Geo 7X (H-Star)	RW10_20_2021.cor
WET42	RW	A	pw-3	101	27.90896391	-97.00399477	17222115.7466	1467427.6684	10.20	7	10/20/2021	11:52:41am	3.3	2.7	Postprocessed Carrier Float	Geo 7X (H-Star)	RW10_20_2021.cor
WET42	RW	A	pw-3	102	27.90895103	-97.00394795	17222111.2446	1467442.8472	15.83	7	10/20/2021	11:53:04am	3.0	1.5	Postprocessed Carrier Float	Geo 7X (H-Star)	RW10_20_2021.cor
WET42	RW	A	pw-3	103	27.90900756	-97.00394176	17222131.8204	1467444.6011	20.65	7	10/20/2021	11:53:24am	2.7	1.6	Postprocessed Carrier Float	Geo 7X (H-Star)	RW10_20_2021.cor
WET42	RW	A	pw-3	104	27.9090251	-97.00390643	17222138.3322	1467455.9371	13.07	7	10/20/2021	11:53:45am	6.3	2.7	Postprocessed Carrier Float	Geo 7X (H-Star)	RW10_20_2021.cor
WET42	RW	A	pw-3	105	27.90906584	-97.00389555	17222153.1858	1467459.2730	15.22	7	10/20/2021	11:54:08am	2.7	1.6	Postprocessed Carrier Float	Geo 7X (H-Star)	RW10_20_2021.cor
WET42	RW	A	pw-3	106	27.90909348	-97.00386319	17222163.3594	1467469.6053	14.50	7	10/20/2021	11:54:30am	7.0	3.0	Postprocessed Carrier Float	Geo 7X (H-Star)	RW10_20_2021.cor
WET42	RW	A	pw-3	107	27.90909174	-97.00382665	17222162.8643	1467481.4147	11.82	7	10/20/2021	11:54:54am	2.8	1.6	Postprocessed Carrier Float	Geo 7X (H-Star)	RW10_20_2021.cor
WET42	RW	A	pw-3	108	27.90913951	-97.00380906	17222180.2993	1467486.8911	18.27	7	10/20/2021	11:55:21am	2.4	1.2	Postprocessed Carrier Float	Geo 7X (H-Star)	RW10_20_2021.cor
WET42	RW	A	pw-3	109	27.90919257	-97.00380085	17222199.6214	1467489.3113	19.47	8	10/20/2021	11:55:43am	2.5	1.2	Postprocessed Carrier Float	Geo 7X (H-Star)	RW10_20_2021.cor

WETLAND ID	SURVEYOR INITIALS	BOUN-DARY	WD NUMBER	FLAG	LATITUDE (DD)	LONGITUDE (DD)	NORTHING	EASTING	DIS-TANCE (FEET)	SATELL-ITES (NUMBER)	GPS DATE	GPS TIME	PDOP (MAX)	HDOP (MAX)	CORRECTION TYPE	RECEIVER TYPE	DATAFILE
WET42	RW	A	pw-3	110	27.90921918	-97.00375272	17222209.4784	1467504.7434	18.31	8	10/20/2021	11:56:05am	2.2	1.1	Postprocessed Carrier Float	Geo 7X (H-Star)	RW10_20_2021.cor
WET42	RW	A	pw-3	111	27.90920136	-97.00364478	17222203.4160	1467539.6813	35.46	8	10/20/2021	11:56:33am	2.7	1.6	Postprocessed Carrier Float	Geo 7X (H-Star)	RW10_20_2021.cor
WET42	RW	A	pw-3	112	27.90927364	-97.00361719	17222229.7982	1467548.2797	27.75	8	10/20/2021	11:56:57am	6.2	2.4	Postprocessed Carrier Float	Geo 7X (H-Star)	RW10_20_2021.cor
WET42	RW	A	pw-3	113	27.90934217	-97.00361011	17222254.7397	1467550.2702	25.02	8	10/20/2021	11:57:22am	2.3	1.2	Postprocessed Carrier Float	Geo 7X (H-Star)	RW10_20_2021.cor
WET42	RW	A	pw-3	114	27.90935365	-97.00354814	17222259.1508	1467570.2357	20.45	8	10/20/2021	11:57:46am	3.0	1.8	Postprocessed Carrier Float	Geo 7X (H-Star)	RW10_20_2021.cor
WET42	RW	A	pw-3	115	27.90939174	-97.00353352	17222273.0540	1467574.7908	14.63	8	10/20/2021	11:58:05am	6.3	2.6	Postprocessed Carrier Float	Geo 7X (H-Star)	RW10_20_2021.cor
WET42	RW	A	pw-3	116	27.90940118	-97.00355389	17222276.4080	1467568.1714	7.42	8	10/20/2021	11:58:21am	5.7	1.6	Postprocessed Carrier Float	Geo 7X (H-Star)	RW10_20_2021.cor
WET42	RW	A	pw-3	117	27.90937349	-97.00359269	17222266.1928	1467555.7620	16.07	8	10/20/2021	11:58:41am	3.7	1.4	Postprocessed Carrier Float	Geo 7X (H-Star)	RW10_20_2021.cor
WET42	RW	A	pw-3	118	27.90939929	-97.00361288	17222275.4956	1467549.1304	11.42	8	10/20/2021	11:59:00am	2.3	1.1	Postprocessed Carrier Float	Geo 7X (H-Star)	RW10_20_2021.cor
WET42	RW	A	pw-3	119	27.90945756	-97.00357425	17222296.8282	1467561.3551	24.59	8	10/20/2021	11:59:21am	2.3	1.1	Postprocessed Carrier Float	Geo 7X (H-Star)	RW10_20_2021.cor
WET42	RW	A	pw-3	120	27.90951449	-97.00355434	17222317.6022	1467567.5376	21.67	8	10/20/2021	11:59:40am	5.6	1.8	Postprocessed Carrier Float	Geo 7X (H-Star)	RW10_20_2021.cor
WET42	RW	B	pw-3	1	27.90940204	-97.00367715	17222276.2495	1467528.3592	0.00	8	10/20/2021	12:00:19pm	5.8	1.7	Postprocessed Carrier Float	Geo 7X (H-Star)	RW10_20_2021.cor
WET42	RW	B	pw-3	2	27.90936077	-97.00372235	17222261.0718	1467513.9399	20.94	8	10/20/2021	12:00:49pm	1.8	1.0	Postprocessed Carrier Float	Geo 7X (H-Star)	RW10_20_2021.cor
WET42	RW	B	pw-3	3	27.90932702	-97.00374339	17222248.7204	1467507.2900	14.03	8	10/20/2021	12:01:10pm	1.6	0.9	Postprocessed Carrier Float	Geo 7X (H-Star)	RW10_20_2021.cor
WET42	RW	B	pw-3	4	27.90931397	-97.00372668	17222244.0403	1467512.7444	7.19	8	10/20/2021	12:01:28pm	2.4	1.2	Postprocessed Carrier Float	Geo 7X (H-Star)	RW10_20_2021.cor
WET42	RW	B	pw-3	5	27.90935417	-97.00368219	17222258.8273	1467526.9376	20.50	8	10/20/2021	12:01:48pm	1.8	1.0	Postprocessed Carrier Float	Geo 7X (H-Star)	RW10_20_2021.cor
WET42	RW	B	pw-3	6	27.90934331	-97.00364494	17222255.0212	1467539.0163	12.66	8	10/20/2021	12:02:05pm	1.7	1.0	Postprocessed Carrier Float	Geo 7X (H-Star)	RW10_20_2021.cor
WET42	RW	B	pw-3	7	27.90938349	-97.00364147	17222269.6419	1467539.9631	14.65	8	10/20/2021	12:02:22pm	1.9	1.0	Postprocessed Carrier Float	Geo 7X (H-Star)	RW10_20_2021.cor
WET43	RW	A	pw-1	1	27.91033852	-97.00280711	17222620.0471	1467805.3107	0.00	16	10/20/2021	10:04:50am	2.1	1.2	Postprocessed Carrier Float	Geo 7X (H-Star)	RW10_20_2021.cor
WET43	RW	A	pw-1	2	27.91030901	-97.00286265	17222609.1042	1467787.5027	20.90	16	10/20/2021	10:06:11am	2.3	1.3	Postprocessed Carrier Float	Geo 7X (H-Star)	RW10_20_2021.cor
WET43	RW	A	pw-1	3	27.91030257	-97.00292042	17222606.5428	1467768.8715	18.81	16	10/20/2021	10:06:44am	2.3	1.3	Postprocessed Carrier Float	Geo 7X (H-Star)	RW10_20_2021.cor
WET43	RW	A	pw-1	4	27.91025648	-97.00297681	17222589.5701	1467750.8574	24.75	16	10/20/2021	10:07:09am	2.1	1.3	Postprocessed Carrier Float	Geo 7X (H-Star)	RW10_20_2021.cor
WET43	RW	A	pw-1	5	27.91022795	-97.00299647	17222579.1226	1467744.6340	12.16	16	10/20/2021	10:08:06am	2.1	1.3	Postprocessed Carrier Float	Geo 7X (H-Star)	RW10_20_2021.cor
WET43	RW	A	pw-1	6	27.91020763	-97.00307165	17222571.4484	1467720.4385	25.38	16	10/20/2021	10:08:26am	2.1	1.3	Postprocessed Carrier Float	Geo 7X (H-Star)	RW10_20_2021.cor

WETLAND ID	SURVEYOR INITIALS	BOUN-DARY	WD NUMBER	FLAG	LATITUDE (DD)	LONGITUDE (DD)	NORTHING	EASTING	DIS-TANCE (FEET)	SATELL-ITES (NUMBER)	GPS DATE	GPS TIME	PDOP (MAX)	HDOP (MAX)	CORRECTION TYPE	RECEIVER TYPE	DATAFILE
WET43	RW	A	pw-1	7	27.91012076	-97.00312979	17222539.6427	1467702.0373	36.75	16	10/20/2021	10:09:13am	2.2	1.3	Postprocessed Carrier Float	Geo 7X (H-Star)	RW10_20_2021.cor
WET43	RW	A	pw-1	8	27.9100767	-97.00318635	17222523.4055	1467683.9619	24.30	16	10/20/2021	10:12:49am	1.9	1.0	Postprocessed Carrier Float	Geo 7X (H-Star)	RW10_20_2021.cor
WET43	RW	A	pw-1	9	27.90992963	-97.00325158	17222469.6868	1467663.5285	57.47	16	10/20/2021	10:13:43am	2.3	1.4	Postprocessed Carrier Float	Geo 7X (H-Star)	RW10_20_2021.cor
WET43	RW	A	pw-1	10	27.90990861	-97.00327667	17222461.9493	1467655.5154	11.14	16	10/20/2021	10:14:01am	1.6	1.0	Postprocessed Carrier Float	Geo 7X (H-Star)	RW10_20_2021.cor
WET43	RW	A	pw-1	11	27.90990606	-97.00334046	17222460.7774	1467634.9249	20.62	16	10/20/2021	10:14:23am	1.8	1.0	Postprocessed Carrier Float	Geo 7X (H-Star)	RW10_20_2021.cor
WET43	RW	A	pw-1	12	27.90989243	-97.00335597	17222455.7659	1467629.9741	7.04	16	10/20/2021	10:14:43am	2.2	1.3	Postprocessed Carrier Float	Geo 7X (H-Star)	RW10_20_2021.cor
WET43	RW	A	pw-1	13	27.90986276	-97.00333212	17222445.0697	1467637.8071	13.26	16	10/20/2021	10:15:02am	1.7	1.0	Postprocessed Carrier Float	Geo 7X (H-Star)	RW10_20_2021.cor
WET43	RW	A	pw-1	14	27.9098523	-97.00335737	17222441.1695	1467629.6959	9.00	16	10/20/2021	10:15:16am	3.1	1.7	Postprocessed Carrier Float	Geo 7X (H-Star)	RW10_20_2021.cor
WET43	RW	A	pw-1	15	27.90986268	-97.00340476	17222444.7623	1467614.3468	15.76	16	10/20/2021	10:16:20am	2.2	1.3	Postprocessed Carrier Float	Geo 7X (H-Star)	RW10_20_2021.cor
WET43	RW	A	pw-1	16	27.90983107	-97.00345979	17222433.0596	1467596.7101	21.17	16	10/20/2021	10:16:43am	2.2	1.3	Postprocessed Carrier Float	Geo 7X (H-Star)	RW10_20_2021.cor
WET43	RW	A	pw-1	17	27.90984177	-97.00350068	17222436.7915	1467583.4588	13.77	16	10/20/2021	10:17:00am	1.9	1.1	Postprocessed Carrier Float	Geo 7X (H-Star)	RW10_20_2021.cor
WET43	RW	A	pw-1	18	27.90985188	-97.00353071	17222440.3522	1467573.7163	10.37	16	10/20/2021	10:17:38am	2.1	1.2	Postprocessed Carrier Float	Geo 7X (H-Star)	RW10_20_2021.cor
WET43	RW	A	pw-1	19	27.90984507	-97.00358799	17222437.6564	1467555.2466	18.67	16	10/20/2021	10:18:32am	1.7	1.0	Postprocessed Carrier Float	Geo 7X (H-Star)	RW10_20_2021.cor
WET43	RW	A	pw-1	20	27.90982811	-97.00365375	17222431.2414	1467534.0826	22.11	16	10/20/2021	10:18:55am	1.8	1.0	Postprocessed Carrier Float	Geo 7X (H-Star)	RW10_20_2021.cor
WET43	RW	A	pw-1	21	27.90978715	-97.00370438	17222416.1561	1467517.9071	22.12	8	10/20/2021	10:19:28am	2.3	1.3	Postprocessed Carrier Float	Geo 7X (H-Star)	RW10_20_2021.cor
WET43	RW	A	pw-1	22	27.90975407	-97.00373465	17222404.0114	1467508.2716	15.50	8	10/20/2021	10:19:58am	1.6	0.9	Postprocessed Carrier Float	Geo 7X (H-Star)	RW10_20_2021.cor
WET43	RW	A	pw-1	23	27.90973323	-97.00371909	17222396.4950	1467513.3874	9.09	8	10/20/2021	10:20:15am	1.8	1.0	Postprocessed Carrier Float	Geo 7X (H-Star)	RW10_20_2021.cor
WET43	RW	A	pw-1	24	27.90972624	-97.00365367	17222394.2037	1467534.5445	21.28	8	10/20/2021	10:20:36am	2.0	1.1	Postprocessed Carrier Float	Geo 7X (H-Star)	RW10_20_2021.cor
WET43	RW	A	pw-1	25	27.9097709	-97.00358358	17222410.7102	1467556.9900	27.86	8	10/20/2021	10:20:59am	1.6	0.8	Postprocessed Carrier Float	Geo 7X (H-Star)	RW10_20_2021.cor
WET43	RW	A	pw-1	26	27.90976782	-97.00350586	17222409.8887	1467582.1022	25.13	8	10/20/2021	10:21:23am	2.1	1.1	Postprocessed Carrier Float	Geo 7X (H-Star)	RW10_20_2021.cor
WET43	RW	A	pw-1	27	27.90972709	-97.00349727	17222395.1128	1467585.0526	15.07	8	10/20/2021	10:21:44am	1.7	1.0	Postprocessed Carrier Float	Geo 7X (H-Star)	RW10_20_2021.cor
WET43	RW	A	pw-1	28	27.90971933	-97.00344451	17222392.4921	1467602.1267	17.27	8	10/20/2021	10:22:03am	1.8	1.0	Postprocessed Carrier Float	Geo 7X (H-Star)	RW10_20_2021.cor
WET43	RW	A	pw-1	29	27.90969268	-97.00342715	17222382.8714	1467607.8492	11.19	8	10/20/2021	10:22:20am	2.4	1.2	Postprocessed Carrier Float	Geo 7X (H-Star)	RW10_20_2021.cor
WET43	RW	A	pw-1	30	27.90967767	-97.00339274	17222377.5459	1467619.0260	12.38	8	10/20/2021	10:22:37am	2.4	1.2	Postprocessed Carrier Float	Geo 7X (H-Star)	RW10_20_2021.cor

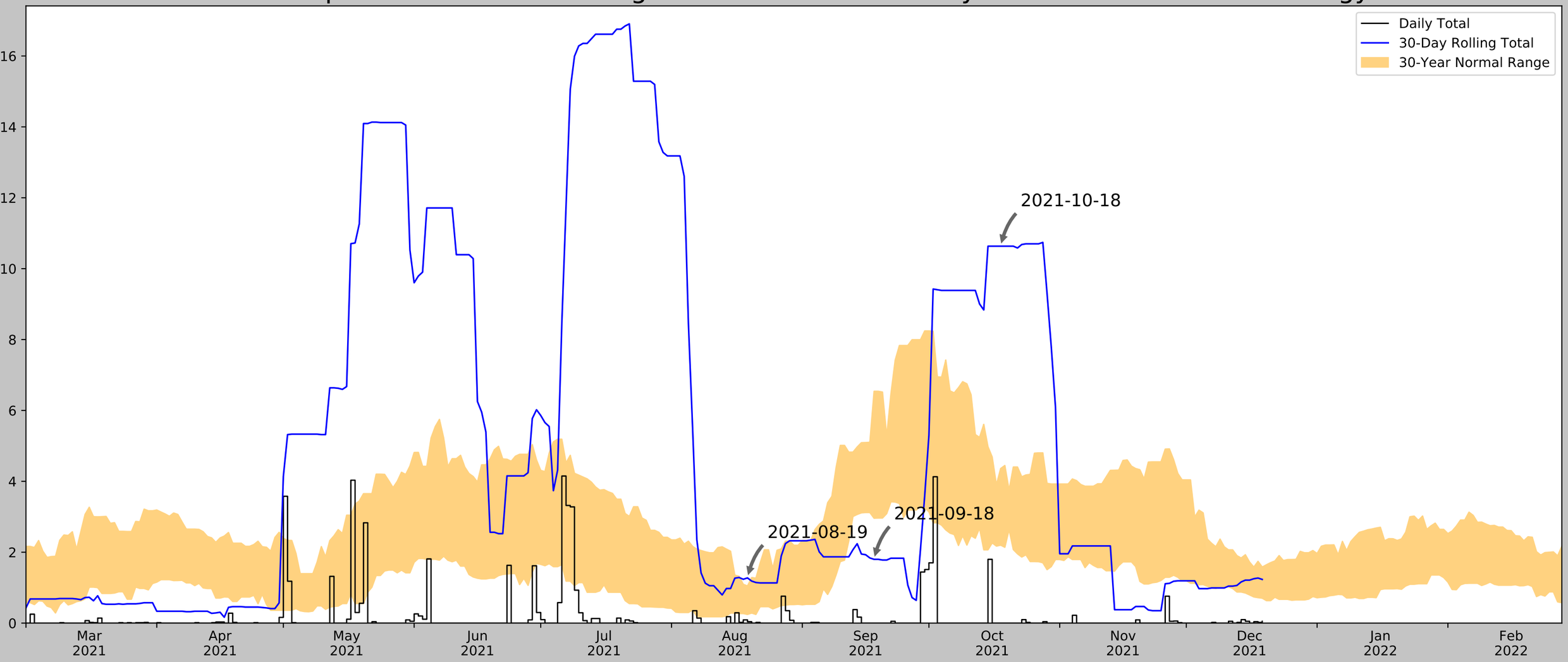
WETLAND ID	SURVEYOR INITIALS	BOUN-DARY	WD NUMBER	FLAG	LATITUDE (DD)	LONGITUDE (DD)	NORTHING	EASTING	DIS-TANCE (FEET)	SATELL-ITES (NUMBER)	GPS DATE	GPS TIME	PDOP (MAX)	HDOP (MAX)	CORRECTION TYPE	RECEIVER TYPE	DATAFILE
WET43	RW	A	pw-1	31	27.90968322	-97.00335751	17222379.6985	1467630.3813	11.56	8	10/20/2021	10:23:01am	1.6	0.8	Postprocessed Carrier Float	Geo 7X (H-Star)	RW10_20_2021.cor
WET43	RW	A	pw-1	32	27.90973944	-97.00334794	17222400.1758	1467633.2293	20.67	8	10/20/2021	10:23:29am	1.8	0.9	Postprocessed Carrier Float	Geo 7X (H-Star)	RW10_20_2021.cor
WET43	RW	A	pw-1	33	27.90973612	-97.00327102	17222399.2631	1467658.0843	24.87	8	10/20/2021	10:23:52am	1.9	1.0	Postprocessed Carrier Float	Geo 7X (H-Star)	RW10_20_2021.cor
WET43	RW	A	pw-1	34	27.90976106	-97.00325067	17222408.4061	1467664.5508	11.20	8	10/20/2021	10:24:14am	2.2	1.2	Postprocessed Carrier Float	Geo 7X (H-Star)	RW10_20_2021.cor
WET43	RW	A	pw-1	35	27.90978869	-97.00327374	17222418.3638	1467656.9780	12.51	8	10/20/2021	10:24:33am	1.9	1.2	Postprocessed Carrier Float	Geo 7X (H-Star)	RW10_20_2021.cor
WET43	RW	A	pw-1	36	27.90981024	-97.00323755	17222426.3388	1467668.5741	14.07	8	10/20/2021	10:24:56am	1.7	1.0	Postprocessed Carrier Float	Geo 7X (H-Star)	RW10_20_2021.cor
WET43	RW	A	pw-1	37	27.90981418	-97.00318084	17222427.9868	1467686.8729	18.37	8	10/20/2021	10:25:18am	1.6	0.8	Postprocessed Carrier Float	Geo 7X (H-Star)	RW10_20_2021.cor
WET43	RW	A	pw-1	38	27.90988038	-97.00311037	17222452.3260	1467709.3457	33.13	8	10/20/2021	10:25:47am	1.5	0.8	Postprocessed Carrier Float	Geo 7X (H-Star)	RW10_20_2021.cor
WET43	RW	A	pw-1	39	27.90994638	-97.0030806	17222476.4348	1467718.6754	25.85	8	10/20/2021	10:26:14am	1.6	1.0	Postprocessed Carrier Float	Geo 7X (H-Star)	RW10_20_2021.cor
WET43	RW	A	pw-1	40	27.90998406	-97.00308576	17222490.1110	1467716.8466	13.80	8	10/20/2021	10:26:34am	1.6	1.0	Postprocessed Carrier Float	Geo 7X (H-Star)	RW10_20_2021.cor
WET43	RW	A	pw-1	41	27.91004686	-97.00310865	17222512.8544	1467709.1826	24.00	8	10/20/2021	10:26:56am	1.8	1.2	Postprocessed Carrier Float	Geo 7X (H-Star)	RW10_20_2021.cor
WET43	RW	A	pw-1	42	27.9100625	-97.00303888	17222518.8094	1467731.6504	23.24	8	10/20/2021	10:27:17am	1.6	0.8	Postprocessed Carrier Float	Geo 7X (H-Star)	RW10_20_2021.cor
WET43	RW	A	pw-1	43	27.91008524	-97.00301458	17222527.1703	1467739.3991	11.40	8	10/20/2021	10:27:35am	1.8	1.2	Postprocessed Carrier Float	Geo 7X (H-Star)	RW10_20_2021.cor
WET43	RW	A	pw-1	44	27.91012295	-97.00301397	17222540.8829	1467739.4345	13.71	8	10/20/2021	10:27:53am	1.6	1.0	Postprocessed Carrier Float	Geo 7X (H-Star)	RW10_20_2021.cor
WET43	RW	A	pw-1	45	27.91016812	-97.00298716	17222557.4078	1467747.8987	18.57	8	10/20/2021	10:28:16am	2.6	1.3	Postprocessed Carrier Float	Geo 7X (H-Star)	RW10_20_2021.cor
WET43	RW	A	pw-1	46	27.91016781	-97.00297486	17222557.3425	1467751.8702	3.97	8	10/20/2021	10:28:31am	2.4	1.3	Postprocessed Carrier Float	Geo 7X (H-Star)	RW10_20_2021.cor
WET43	RW	A	pw-1	47	27.91012903	-97.00297892	17222543.2254	1467750.7281	14.16	8	10/20/2021	10:28:50am	1.8	0.9	Postprocessed Carrier Float	Geo 7X (H-Star)	RW10_20_2021.cor
WET43	RW	A	pw-1	48	27.91017876	-97.00292674	17222561.5059	1467767.3633	24.72	8	10/20/2021	10:29:12am	1.8	0.9	Postprocessed Carrier Float	Geo 7X (H-Star)	RW10_20_2021.cor
WET43	RW	A	pw-1	49	27.91020601	-97.00288746	17222571.5639	1467779.9341	16.10	8	10/20/2021	10:29:35am	1.6	1.0	Postprocessed Carrier Float	Geo 7X (H-Star)	RW10_20_2021.cor
WET43	RW	A	pw-1	50	27.9102411	-97.00288924	17222584.3155	1467779.2054	12.77	8	10/20/2021	10:29:51am	1.6	1.0	Postprocessed Carrier Float	Geo 7X (H-Star)	RW10_20_2021.cor
WET43	RW	A	pw-1	51	27.91023821	-97.00284033	17222583.4491	1467795.0135	15.83	8	10/20/2021	10:30:11am	3.3	2.2	Postprocessed Carrier Float	Geo 7X (H-Star)	RW10_20_2021.cor
WET43	RW	A	pw-1	52	27.91028991	-97.00280392	17222602.3847	1467806.5509	22.17	8	10/20/2021	10:30:40am	1.6	1.0	Postprocessed Carrier Float	Geo 7X (H-Star)	RW10_20_2021.cor
WET44	RW	A	pw-2	1	27.91027789	-97.00334198	17222595.9543	1467632.8301	0.00	8	10/20/2021	10:35:37am	1.6	1.0	Postprocessed Carrier Float	Geo 7X (H-Star)	RW10_20_2021.cor
WET44	RW	A	pw-2	2	27.91033901	-97.00330656	17222618.3119	1467644.0069	25.00	8	10/20/2021	10:36:29am	1.6	0.9	Postprocessed Carrier Float	Geo 7X (H-Star)	RW10_20_2021.cor

WETLAND ID	SURVEYOR INITIALS	BOUN-DARY	WD NUMBER	FLAG	LATITUDE (DD)	LONGITUDE (DD)	NORTHING	EASTING	DIS-TANCE (FEET)	SATELL-ITES (NUMBER)	GPS DATE	GPS TIME	PDOP (MAX)	HDOP (MAX)	CORRECTION TYPE	RECEIVER TYPE	DATAFILE
WET44	RW	A	pw-2	3	27.91033479	-97.00324399	17222617.0166	1467664.2342	20.27	8	10/20/2021	10:36:49am	2.2	1.2	Postprocessed Carrier Float	Geo 7X (H-Star)	RW10_20_2021.cor
WET44	RW	A	pw-2	4	27.91034728	-97.00320904	17222621.6898	1467675.4648	12.16	8	10/20/2021	10:37:13am	2.0	1.4	Postprocessed Carrier Float	Geo 7X (H-Star)	RW10_20_2021.cor
WET44	RW	A	pw-2	5	27.91040777	-97.00328268	17222643.3997	1467651.4212	32.39	8	10/20/2021	10:37:36am	1.7	1.0	Postprocessed Carrier Float	Geo 7X (H-Star)	RW10_20_2021.cor
WET44	RW	A	pw-2	6	27.91047913	-97.00325062	17222669.4663	1467661.4688	27.94	8	10/20/2021	10:38:15am	1.7	1.0	Postprocessed Carrier Float	Geo 7X (H-Star)	RW10_20_2021.cor
WET44	RW	A	pw-2	7	27.91050868	-97.00319789	17222680.4121	1467678.3723	20.14	8	10/20/2021	10:38:46am	2.0	1.1	Postprocessed Carrier Float	Geo 7X (H-Star)	RW10_20_2021.cor
WET44	RW	A	pw-2	8	27.91058622	-97.00319201	17222708.6263	1467679.9356	28.26	8	10/20/2021	10:39:12am	2.0	1.4	Postprocessed Carrier Float	Geo 7X (H-Star)	RW10_20_2021.cor
WET44	RW	A	pw-2	9	27.91059536	-97.00314035	17222712.1466	1467696.5813	17.01	8	10/20/2021	10:39:33am	2.4	1.7	Postprocessed Carrier Float	Geo 7X (H-Star)	RW10_20_2021.cor
WET44	RW	A	pw-2	10	27.91067141	-97.00307961	17222740.0268	1467715.8693	33.90	8	10/20/2021	10:39:56am	1.7	0.9	Postprocessed Carrier Float	Geo 7X (H-Star)	RW10_20_2021.cor
WET44	RW	A	pw-2	11	27.91069068	-97.00299246	17222747.3680	1467743.9306	29.01	8	10/20/2021	10:40:19am	2.0	1.1	Postprocessed Carrier Float	Geo 7X (H-Star)	RW10_20_2021.cor
WET44	RW	A	pw-2	12	27.91079578	-97.00300881	17222785.5153	1467738.1996	38.58	8	10/20/2021	10:41:36am	2.0	1.4	Postprocessed Carrier Float	Geo 7X (H-Star)	RW10_20_2021.cor
WET44	RW	A	pw-2	13	27.91086864	-97.00303892	17222811.8869	1467728.1586	28.22	8	10/20/2021	10:41:58am	1.7	1.0	Postprocessed Carrier Float	Geo 7X (H-Star)	RW10_20_2021.cor
WET44	RW	A	pw-2	14	27.91092901	-97.00307575	17222833.6923	1467716.0048	24.96	9	10/20/2021	10:42:18am	1.7	1.0	Postprocessed Carrier Float	Geo 7X (H-Star)	RW10_20_2021.cor
WET44	RW	A	pw-2	15	27.91094972	-97.00306103	17222841.2793	1467720.6691	8.91	9	10/20/2021	10:42:37am	2.5	1.1	Postprocessed Carrier Float	Geo 7X (H-Star)	RW10_20_2021.cor
WET44	RW	A	pw-2	16	27.91095976	-97.00307416	17222844.8780	1467716.3850	5.60	9	10/20/2021	10:42:56am	2.3	1.3	Postprocessed Carrier Float	Geo 7X (H-Star)	RW10_20_2021.cor
WET44	RW	A	pw-2	17	27.91094742	-97.00314948	17222840.1041	1467692.1131	24.74	9	10/20/2021	10:43:18am	2.1	1.1	Postprocessed Carrier Float	Geo 7X (H-Star)	RW10_20_2021.cor
WET44	RW	A	pw-2	18	27.91085078	-97.00316869	17222804.8958	1467686.3250	35.68	9	10/20/2021	10:43:42am	1.5	0.9	Postprocessed Carrier Float	Geo 7X (H-Star)	RW10_20_2021.cor
WET44	RW	A	pw-2	19	27.91080724	-97.00316217	17222789.0937	1467688.6203	15.97	9	10/20/2021	10:44:04am	2.5	1.5	Postprocessed Carrier Float	Geo 7X (H-Star)	RW10_20_2021.cor
WET44	RW	A	pw-2	20	27.91072583	-97.00319505	17222759.3693	1467678.3523	31.45	9	10/20/2021	10:44:34am	2.3	1.3	Postprocessed Carrier Float	Geo 7X (H-Star)	RW10_20_2021.cor
WET44	RW	A	pw-2	21	27.91070995	-97.00322073	17222753.4989	1467670.1263	10.11	9	10/20/2021	10:44:57am	2.0	1.4	Postprocessed Carrier Float	Geo 7X (H-Star)	RW10_20_2021.cor
WET44	RW	A	pw-2	22	27.91078022	-97.00328262	17222778.8069	1467649.8373	32.44	9	10/20/2021	10:45:25am	2.4	1.3	Postprocessed Carrier Float	Geo 7X (H-Star)	RW10_20_2021.cor
WET44	RW	A	pw-2	23	27.91075781	-97.00330742	17222770.5645	1467641.9236	11.43	9	10/20/2021	10:45:42am	1.7	1.0	Postprocessed Carrier Float	Geo 7X (H-Star)	RW10_20_2021.cor
WET44	RW	A	pw-2	24	27.91068814	-97.00326046	17222745.4176	1467657.3907	29.52	9	10/20/2021	10:46:09am	1.7	0.9	Postprocessed Carrier Float	Geo 7X (H-Star)	RW10_20_2021.cor
WET44	RW	A	pw-2	25	27.91068417	-97.00332558	17222743.7240	1467636.3767	21.08	9	10/20/2021	10:46:29am	2.7	1.5	Postprocessed Carrier Float	Geo 7X (H-Star)	RW10_20_2021.cor
WET44	RW	A	pw-2	26	27.91059122	-97.00335246	17222709.8268	1467628.0958	34.89	10	10/20/2021	10:46:56am	3.3	1.4	Postprocessed Carrier Float	Geo 7X (H-Star)	RW10_20_2021.cor

WETLAND ID	SURVEYOR INITIALS	BOUN-DARY	WD NUMBER	FLAG	LATITUDE (DD)	LONGITUDE (DD)	NORTHING	EASTING	DIS-TANCE (FEET)	SATELL-ITES (NUMBER)	GPS DATE	GPS TIME	PDOP (MAX)	HDOP (MAX)	CORRECTION TYPE	RECEIVER TYPE	DATAFILE
WET44	RW	A	pw-2	27	27.91055789	-97.00341199	17222697.4826	1467609.0138	22.73	10	10/20/2021	10:47:20am	2.5	1.5	Postprocessed Carrier Float	Geo 7X (H-Star)	RW10_20_2021.cor
WET44	RW	A	pw-2	28	27.91051689	-97.00340375	17222682.6070	1467611.8514	15.14	10	10/20/2021	10:47:42am	3.4	1.8	Postprocessed Carrier Float	Geo 7X (H-Star)	RW10_20_2021.cor
WET44	RW	A	pw-2	29	27.91049479	-97.00342649	17222674.4879	1467604.6021	10.88	10	10/20/2021	10:47:56am	3.3	1.7	Postprocessed Carrier Float	Geo 7X (H-Star)	RW10_20_2021.cor
WET44	RW	A	pw-2	30	27.91048529	-97.00347109	17222670.8626	1467590.2386	14.81	10	10/20/2021	10:48:12am	2.2	1.2	Postprocessed Carrier Float	Geo 7X (H-Star)	RW10_20_2021.cor
WET44	RW	A	pw-2	31	27.9104639	-97.00349416	17222662.9965	1467582.8820	10.77	10	10/20/2021	10:48:45am	2.8	1.3	Postprocessed Carrier Float	Geo 7X (H-Star)	RW10_20_2021.cor
WET44	RW	A	pw-2	32	27.91040199	-97.00342037	17222640.7718	1467606.9784	32.78	10	10/20/2021	10:49:38am	2.8	1.4	Postprocessed Carrier Float	Geo 7X (H-Star)	RW10_20_2021.cor
WET44	RW	A	pw-2	33	27.91035084	-97.0034174	17222622.1865	1467608.1592	18.62	10	10/20/2021	10:50:02am	2.2	1.2	Postprocessed Carrier Float	Geo 7X (H-Star)	RW10_20_2021.cor
WET44	RW	A	pw-2	34	27.91027702	-97.00347341	17222595.1357	1467590.3899	32.37	10	10/20/2021	10:50:47am	2.8	1.4	Postprocessed Carrier Float	Geo 7X (H-Star)	RW10_20_2021.cor
WET44	RW	A	pw-2	35	27.91026147	-97.00352026	17222589.3024	1467575.3253	16.15	10	10/20/2021	10:51:15am	2.1	1.1	Postprocessed Carrier Float	Geo 7X (H-Star)	RW10_20_2021.cor
WET44	RW	A	pw-2	36	27.91017794	-97.00360782	17222558.5990	1467547.4057	41.50	10	10/20/2021	10:52:00am	2.2	1.2	Postprocessed Carrier Float	Geo 7X (H-Star)	RW10_20_2021.cor
WET44	RW	A	pw-2	37	27.91012125	-97.00364774	17222537.8376	1467534.7571	24.31	10	10/20/2021	10:52:20am	2.3	1.2	Postprocessed Carrier Float	Geo 7X (H-Star)	RW10_20_2021.cor
WET44	RW	A	pw-2	38	27.9100843	-97.00356764	17222524.7080	1467560.7856	29.15	10	10/20/2021	10:52:44am	3.2	1.8	Postprocessed Carrier Float	Geo 7X (H-Star)	RW10_20_2021.cor
WET44	RW	A	pw-2	39	27.9101072	-97.00353003	17222533.1791	1467572.8335	14.73	10	10/20/2021	10:53:00am	2.2	1.0	Postprocessed Carrier Float	Geo 7X (H-Star)	RW10_20_2021.cor
WET44	RW	A	pw-2	40	27.91007629	-97.00349708	17222522.0693	1467583.6081	15.48	10	10/20/2021	10:53:17am	2.4	1.6	Postprocessed Carrier Float	Geo 7X (H-Star)	RW10_20_2021.cor
WET44	RW	A	pw-2	41	27.91008595	-97.00340751	17222525.9219	1467612.4945	29.14	10	10/20/2021	10:53:41am	2.3	1.2	Postprocessed Carrier Float	Geo 7X (H-Star)	RW10_20_2021.cor
WET44	RW	A	pw-2	42	27.91021184	-97.00338849	17222571.7621	1467618.0952	46.18	10	10/20/2021	10:54:11am	1.8	1.0	Postprocessed Carrier Float	Geo 7X (H-Star)	RW10_20_2021.cor

G. APT Data

Antecedent Precipitation vs Normal Range based on NOAA's Daily Global Historical Climatology Network



Coordinates	27.8882649598485, -97.0222486467836
Observation Date	2021-10-18
Elevation (ft)	4.57
Drought Index (PDSI)	Not available

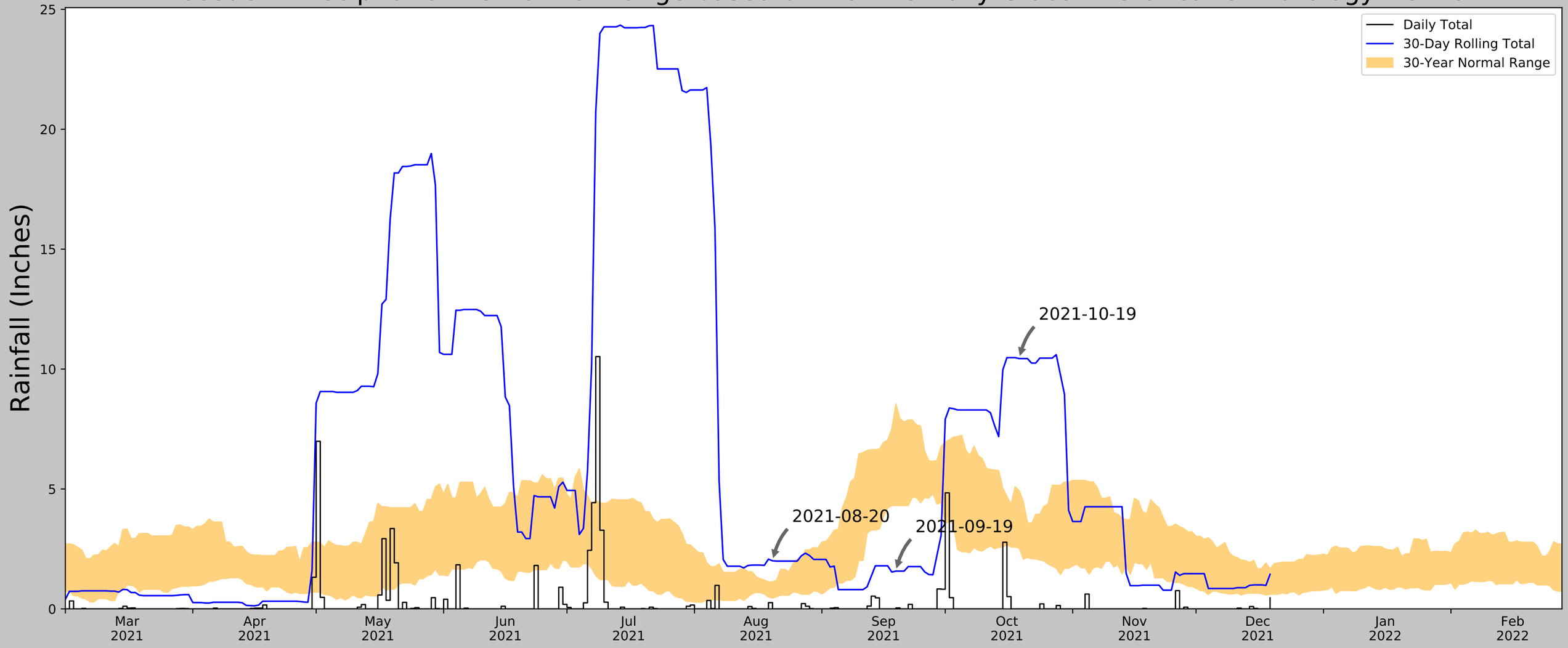
30 Days Ending	30^{th} %ile (in)	70^{th} %ile (in)	Observed (in)	Wetness Condition	Condition Value	Month Weight	Product
2021-10-18	2.199213	4.361811	10.633859	Wet	3	3	9
2021-09-18	2.958268	6.540551	1.799213	Dry	1	2	2
2021-08-19	0.244882	1.048032	1.275591	Wet	3	1	3
Result							Normal Conditions, 14

Figure and tables made by the
Antecedent Precipitation Tool
Version 1.0

Written by Jason Deters
U.S. Army Corps of Engineers

Weather Station Name	Coordinates	Elevation (ft)	Distance (mi)	Elevation Δ	Weighted Δ	Days Normal	Days Antecedent
PORT ARANSAS	27.8381, -97.0592	12.139	4.136	7.569	1.893	10087	90
PORT ARANSAS 1.3 ENE	27.8348, -97.061	4.921	0.253	7.218	0.116	31	0
PORT ARANSAS 4.0 SSW	27.7763, -97.1035	5.906	5.056	6.233	2.307	280	0
INGLESIDE 0.6 W	27.8691, -97.2091	17.06	9.404	4.921	4.278	15	0
INGLESIDE ON THE BAY 0.7 NE	27.8374, -97.2161	20.997	9.586	8.858	4.399	3	0
ARANSAS PASS 6.1 NNW	27.9727, -97.1349	20.013	10.385	7.874	4.755	38	0
ROCKPORT 4.4 SW	27.9894, -97.0949	6.89	10.679	5.249	4.862	442	0
PORT ARANSAS 11 SSW	27.6997, -97.1581	5.906	11.314	6.233	5.162	246	0
ROCKPORT	28.0183, -97.0561	7.874	12.452	4.265	5.657	203	0
ROCKPORT 1.3 WSW	28.0357, -97.0717	19.029	13.674	6.89	6.248	1	0
ROCKPORT 2.1 NNW	28.0694, -97.0648	36.089	15.985	23.95	7.576	1	0
ROCKPORT 3.0 NNW	28.0825, -97.0626	11.155	16.888	0.984	7.616	3	0
ROCKPORT ARANSAS CO AP	28.0836, -97.0464	21.982	16.98	9.843	7.808	1	0
PORTLAND 1.3 NW	27.8929, -97.3402	37.073	17.577	24.934	8.348	1	0
CORPUS CHRISTI 2.6 S	27.6530, -97.3896	11.155	18.086	0.984	8.563	1	0

Antecedent Precipitation vs Normal Range based on NOAA's Daily Global Historical Climatology Network



Coordinates	27.8882649598485, -97.0222486467836
Observation Date	2021-10-19
Elevation (ft)	4.57
Drought Index (PDSI)	Not available

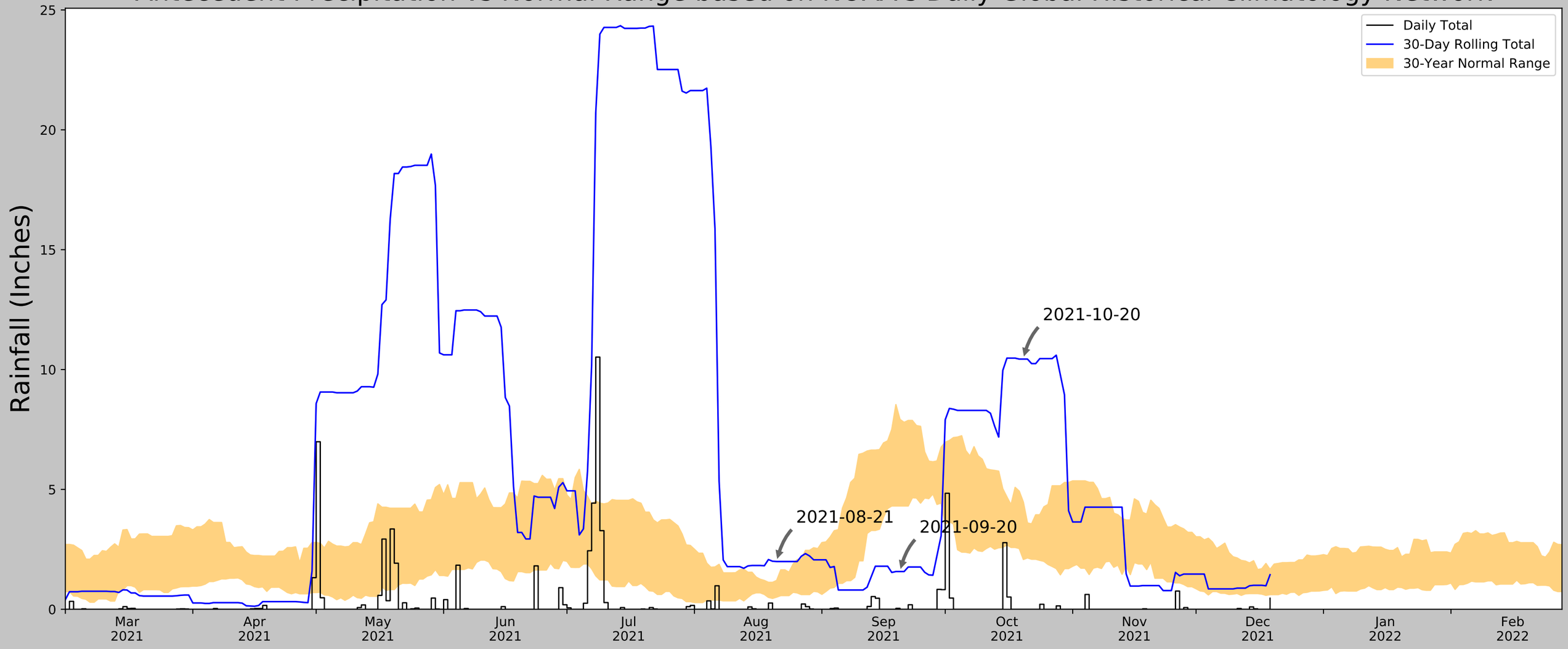
Figure and tables made by the
Antecedent Precipitation Tool
Version 1.0

Written by Jason Deters
U.S. Army Corps of Engineers

30 Days Ending	30th %ile (in)	70th %ile (in)	Observed (in)	Wetness Condition	Condition Value	Month Weight	Product
2021-10-19	2.535827	4.927166	10.437008	Wet	3	3	9
2021-09-19	4.309449	8.539764	1.574803	Dry	1	2	2
2021-08-20	0.454724	1.123228	2.003937	Wet	3	1	3

Weather Station Name	Coordinates	Elevation (ft)	Distance (mi)	Elevation Δ	Weighted Δ	Days Normal	Days Antecedent
ROCKPORT 1.3 WSW	28.0357, -97.0717	19.029	10.624	14.459	4.934	1477	0
ROCKPORT 0.6 N	28.0497, -97.0531	16.076	11.312	11.506	5.221	1394	0
ROCKPORT 3.0 NNW	28.0825, -97.0626	11.155	13.644	6.585	6.23	1398	83
ROCKPORT 2.1 NNW	28.0694, -97.0648	36.089	12.782	31.519	6.155	432	0
ARANSAS PASS 6.1 NNW	27.9727, -97.1349	20.013	9.018	15.443	4.197	2	0
ROCKPORT 4.4 SW	27.9894, -97.0949	6.89	8.276	2.32	3.743	91	7
CORPUS CHRISTI 8.0 WNW	27.752, -97.4129	45.932	25.661	41.362	12.609	283	0
CORPUS CHRISTI 9.0 SSE	27.5905, -97.2247	6.89	24.011	2.32	10.861	55	0
CORPUS CHRISTI 6.4 WSW	27.6865, -97.3951	36.089	26.716	31.519	12.864	5	0
PORT ARANSAS 1.3 ENE	27.8348, -97.061	4.921	4.387	0.351	1.976	2	0
FLOUR BLUFF 1.6 SW	27.6613, -97.3031	17.06	23.253	12.49	10.754	3	0
WOODSBORO 3.6 S	28.1864, -97.3146	36.089	27.243	31.519	13.118	1	0
C C BOTANICAL GARDENS	27.6606, -97.3983	16.076	27.856	11.506	12.856	1350	0
FLOUR BLUFF	27.6, -97.2833	8.858	25.525	4.288	11.596	2650	0
PORT ARANSAS	27.8381, -97.0592	12.139	4.136	7.569	1.893	2148	0

Antecedent Precipitation vs Normal Range based on NOAA's Daily Global Historical Climatology Network



Coordinates	27.8882649598485, -97.0222486467836
Observation Date	2021-10-20
Elevation (ft)	4.57
Drought Index (PDSI)	Not available

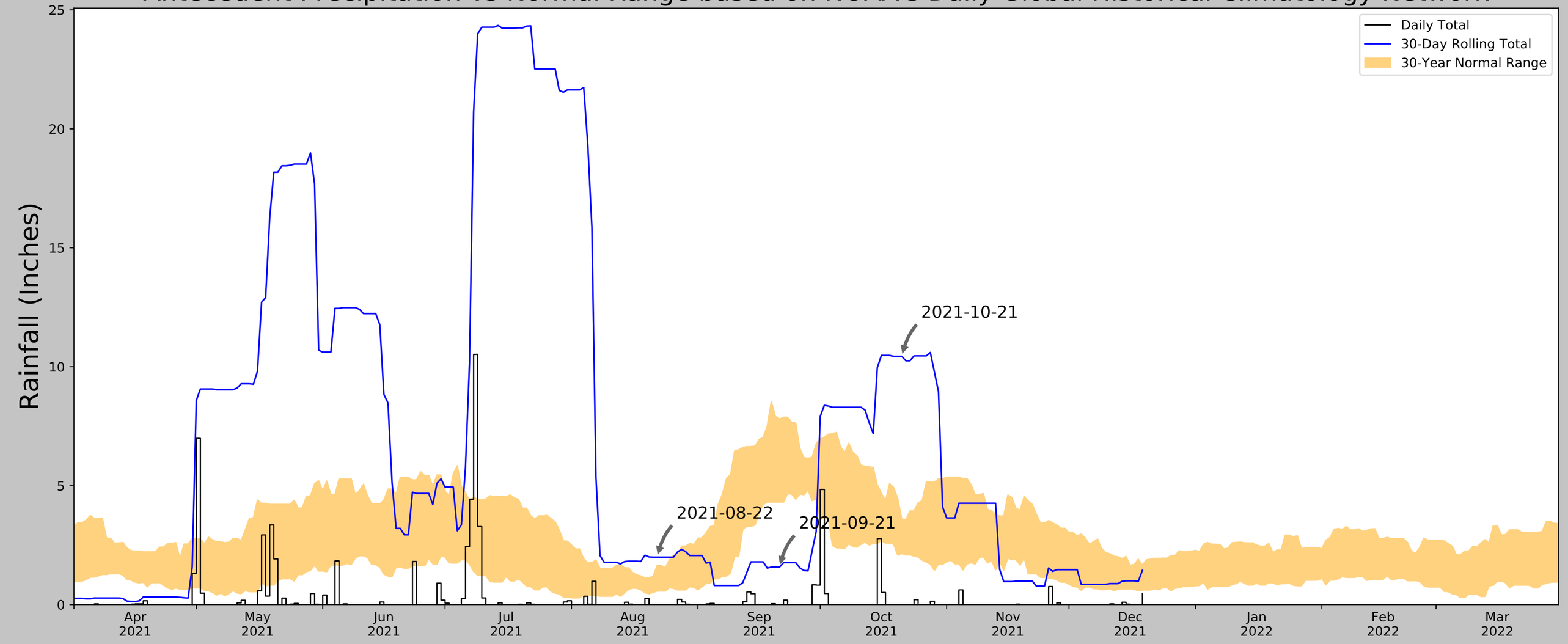
Figure and tables made by the
Antecedent Precipitation Tool
Version 1.0

Written by Jason Deters
U.S. Army Corps of Engineers

30 Days Ending	30th %ile (in)	70th %ile (in)	Observed (in)	Wetness Condition	Condition Value	Month Weight	Product
2021-10-20	2.07874	4.473228	10.437008	Wet	3	3	9
2021-09-20	4.309449	7.919292	1.574803	Dry	1	2	2
2021-08-21	0.50748	1.202362	1.992126	Wet	3	1	3

Weather Station Name	Coordinates	Elevation (ft)	Distance (mi)	Elevation Δ	Weighted Δ	Days Normal	Days Antecedent
ROCKPORT 1.3 WSW	28.0357, -97.0717	19.029	10.624	14.459	4.934	1477	0
ROCKPORT 0.6 N	28.0497, -97.0531	16.076	11.312	11.506	5.221	1394	0
ROCKPORT 3.0 NNW	28.0825, -97.0626	11.155	13.644	6.585	6.23	1398	83
ROCKPORT 2.1 NNW	28.0694, -97.0648	36.089	12.782	31.519	6.155	432	0
ARANSAS PASS 6.1 NNW	27.9727, -97.1349	20.013	9.018	15.443	4.197	2	0
ROCKPORT 4.4 SW	27.9894, -97.0949	6.89	8.276	2.32	3.743	91	7
CORPUS CHRISTI 8.0 WNW	27.752, -97.4129	45.932	25.661	41.362	12.609	283	0
CORPUS CHRISTI 9.0 SSE	27.5905, -97.2247	6.89	24.011	2.32	10.861	55	0
CORPUS CHRISTI 6.4 WSW	27.6865, -97.3951	36.089	26.716	31.519	12.864	5	0
PORT ARANSAS 1.3 ENE	27.8348, -97.061	4.921	4.387	0.351	1.976	2	0
FLOUR BLUFF 1.6 SW	27.6613, -97.3031	17.06	23.253	12.49	10.754	3	0
WOODSBORO 3.6 S	28.1864, -97.3146	36.089	27.243	31.519	13.118	1	0
C C BOTANICAL GARDENS	27.6606, -97.3983	16.076	27.856	11.506	12.856	1350	0
FLOUR BLUFF	27.6, -97.2833	8.858	25.525	4.288	11.596	2650	0
PORT ARANSAS	27.8381, -97.0592	12.139	4.136	7.569	1.893	2148	0

Antecedent Precipitation vs Normal Range based on NOAA's Daily Global Historical Climatology Network



Coordinates	27.8882649598485, -97.0222486467836
Observation Date	2021-10-21
Elevation (ft)	4.57
Drought Index (PDSI)	Not available

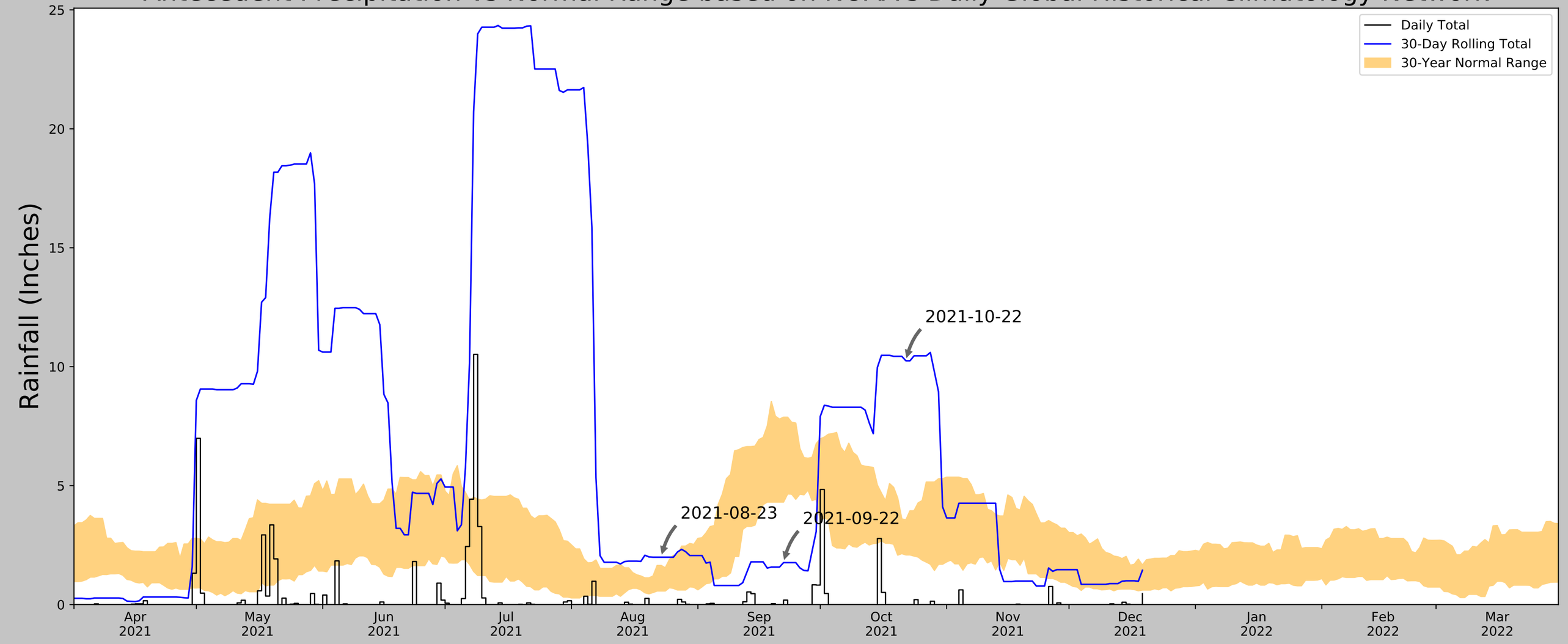
Figure and tables made by the
Antecedent Precipitation Tool
Version 1.0

Written by Jason Deters
U.S. Army Corps of Engineers

30 Days Ending	30th %ile (in)	70th %ile (in)	Observed (in)	Wetness Condition	Condition Value	Month Weight	Product
2021-10-21	2.143701	3.601181	10.437008	Wet	3	3	9
2021-09-21	4.309449	7.797638	1.574803	Dry	1	2	2
2021-08-22	0.571654	1.644095	1.992126	Wet	3	1	3

Weather Station Name	Coordinates	Elevation (ft)	Distance (mi)	Elevation Δ	Weighted Δ	Days Normal	Days Antecedent
ROCKPORT 1.3 WSW	28.0357, -97.0717	19.029	10.624	14.459	4.934	1477	0
ROCKPORT 0.6 N	28.0497, -97.0531	16.076	11.312	11.506	5.221	1394	0
ROCKPORT 3.0 NNW	28.0825, -97.0626	11.155	13.644	6.585	6.23	1398	83
ROCKPORT 2.1 NNW	28.0694, -97.0648	36.089	12.782	31.519	6.155	432	0
ARANSAS PASS 6.1 NNW	27.9727, -97.1349	20.013	9.018	15.443	4.197	2	0
ROCKPORT 4.4 SW	27.9894, -97.0949	6.89	8.276	2.32	3.743	91	7
CORPUS CHRISTI 8.0 WNW	27.752, -97.4129	45.932	25.661	41.362	12.609	283	0
CORPUS CHRISTI 9.0 SSE	27.5905, -97.2247	6.89	24.011	2.32	10.861	55	0
CORPUS CHRISTI 6.4 WSW	27.6865, -97.3951	36.089	26.716	31.519	12.864	5	0
PORT ARANSAS 1.3 ENE	27.8348, -97.061	4.921	4.387	0.351	1.976	2	0
FLOUR BLUFF 1.6 SW	27.6613, -97.3031	17.06	23.253	12.49	10.754	3	0
WOODSBORO 3.6 S	28.1864, -97.3146	36.089	27.243	31.519	13.118	1	0
C C BOTANICAL GARDENS	27.6606, -97.3983	16.076	27.856	11.506	12.856	1350	0
FLOUR BLUFF	27.6, -97.2833	8.858	25.525	4.288	11.596	2650	0
PORT ARANSAS	27.8381, -97.0592	12.139	4.136	7.569	1.893	2148	0

Antecedent Precipitation vs Normal Range based on NOAA's Daily Global Historical Climatology Network



Coordinates	27.8882649598485, -97.0222486467836
Observation Date	2021-10-22
Elevation (ft)	4.57
Drought Index (PDSI)	Not available

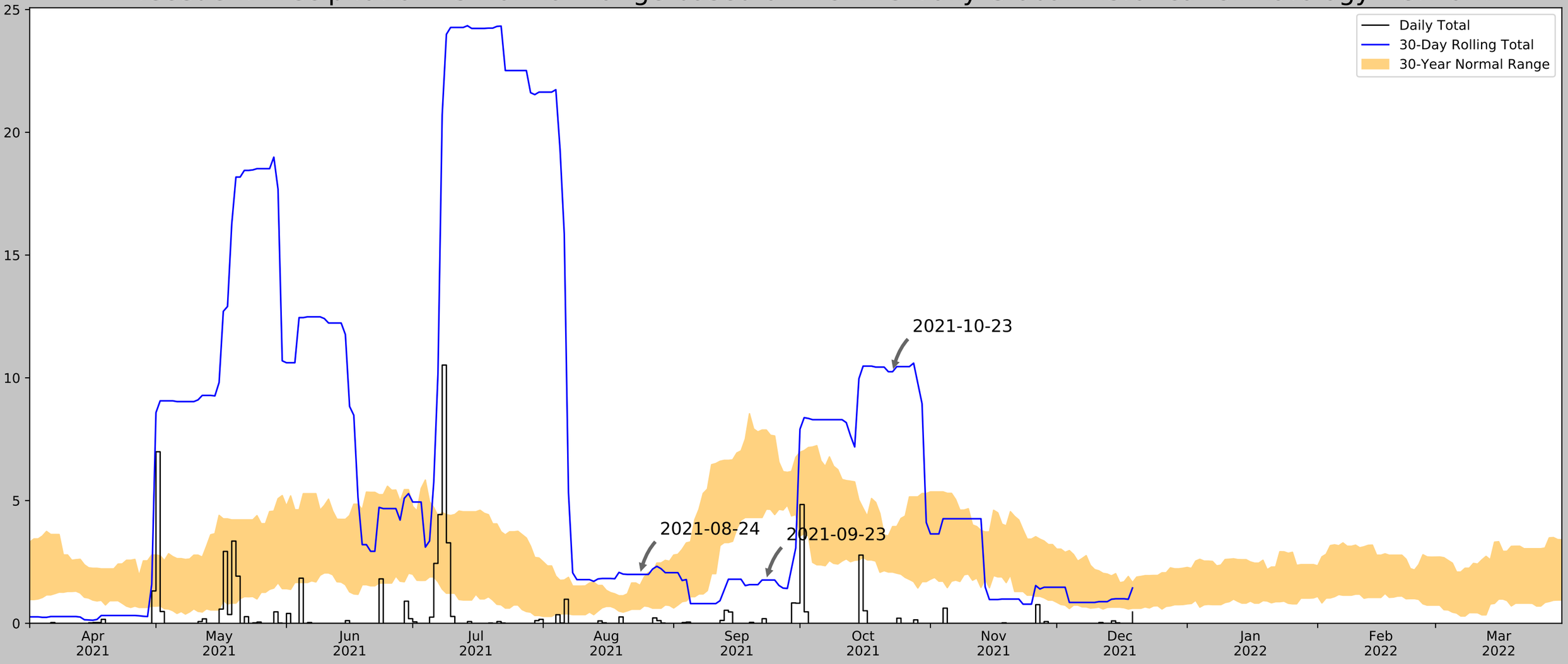
Figure and tables made by the
Antecedent Precipitation Tool
Version 1.0

Written by Jason Deters
U.S. Army Corps of Engineers

30 Days Ending	30th %ile (in)	70th %ile (in)	Observed (in)	Wetness Condition	Condition Value	Month Weight	Product
2021-10-22	2.088189	3.560236	10.248032	Wet	3	3	9
2021-09-22	4.309449	7.876772	1.76378	Dry	1	2	2
2021-08-23	0.571654	1.644095	1.992126	Wet	3	1	3

Weather Station Name	Coordinates	Elevation (ft)	Distance (mi)	Elevation Δ	Weighted Δ	Days Normal	Days Antecedent
ROCKPORT 1.3 WSW	28.0357, -97.0717	19.029	10.624	14.459	4.934	1477	0
ROCKPORT 0.6 N	28.0497, -97.0531	16.076	11.312	11.506	5.221	1394	0
ROCKPORT 3.0 NNW	28.0825, -97.0626	11.155	13.644	6.585	6.23	1398	83
ROCKPORT 2.1 NNW	28.0694, -97.0648	36.089	12.782	31.519	6.155	432	0
ARANSAS PASS 6.1 NNW	27.9727, -97.1349	20.013	9.018	15.443	4.197	2	0
ROCKPORT 4.4 SW	27.9894, -97.0949	6.89	8.276	2.32	3.743	91	7
CORPUS CHRISTI 8.0 WNW	27.752, -97.4129	45.932	25.661	41.362	12.609	283	0
CORPUS CHRISTI 9.0 SSE	27.5905, -97.2247	6.89	24.011	2.32	10.861	55	0
CORPUS CHRISTI 6.4 WSW	27.6865, -97.3951	36.089	26.716	31.519	12.864	5	0
PORT ARANSAS 1.3 ENE	27.8348, -97.061	4.921	4.387	0.351	1.976	2	0
FLOUR BLUFF 1.6 SW	27.6613, -97.3031	17.06	23.253	12.49	10.754	3	0
WOODSBORO 3.6 S	28.1864, -97.3146	36.089	27.243	31.519	13.118	1	0
C C BOTANICAL GARDENS	27.6606, -97.3983	16.076	27.856	11.506	12.856	1350	0
FLOUR BLUFF	27.6, -97.2833	8.858	25.525	4.288	11.596	2650	0
PORT ARANSAS	27.8381, -97.0592	12.139	4.136	7.569	1.893	2148	0

Antecedent Precipitation vs Normal Range based on NOAA's Daily Global Historical Climatology Network



Coordinates	27.8882649598485, -97.0222486467836
Observation Date	2021-10-23
Elevation (ft)	4.57
Drought Index (PDSI)	Not available

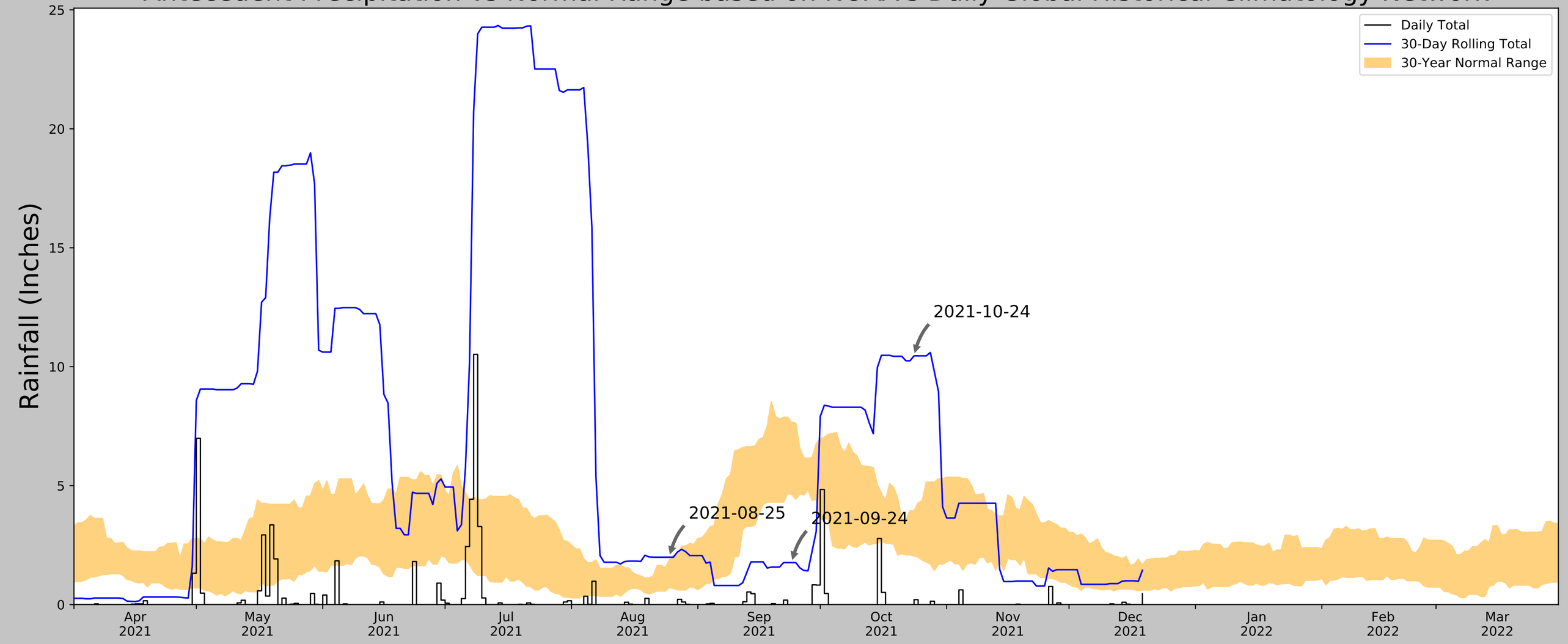
Figure and tables made by the
Antecedent Precipitation Tool
Version 1.0

Written by Jason Deters
U.S. Army Corps of Engineers

30 Days Ending	30th %ile (in)	70th %ile (in)	Observed (in)	Wetness Condition	Condition Value	Month Weight	Product
2021-10-23	2.088189	3.942126	10.248032	Wet	3	3	9
2021-09-23	4.651181	7.876772	1.76378	Dry	1	2	2
2021-08-24	0.571654	1.547244	1.992126	Wet	3	1	3

Weather Station Name	Coordinates	Elevation (ft)	Distance (mi)	Elevation Δ	Weighted Δ	Days Normal	Days Antecedent
ROCKPORT 1.3 WSW	28.0357, -97.0717	19.029	10.624	14.459	4.934	1477	0
ROCKPORT 0.6 N	28.0497, -97.0531	16.076	11.312	11.506	5.221	1394	0
ROCKPORT 3.0 NNW	28.0825, -97.0626	11.155	13.644	6.585	6.23	1398	83
ROCKPORT 2.1 NNW	28.0694, -97.0648	36.089	12.782	31.519	6.155	432	0
ARANSAS PASS 6.1 NNW	27.9727, -97.1349	20.013	9.018	15.443	4.197	2	0
ROCKPORT 4.4 SW	27.9894, -97.0949	6.89	8.276	2.32	3.743	91	7
CORPUS CHRISTI 8.0 WNW	27.752, -97.4129	45.932	25.661	41.362	12.609	283	0
CORPUS CHRISTI 9.0 SSE	27.5905, -97.2247	6.89	24.011	2.32	10.861	55	0
CORPUS CHRISTI 6.4 WSW	27.6865, -97.3951	36.089	26.716	31.519	12.864	5	0
PORT ARANSAS 1.3 ENE	27.8348, -97.061	4.921	4.387	0.351	1.976	2	0
FLOUR BLUFF 1.6 SW	27.6613, -97.3031	17.06	23.253	12.49	10.754	3	0
WOODSBORO 3.6 S	28.1864, -97.3146	36.089	27.243	31.519	13.118	1	0
C C BOTANICAL GARDENS	27.6606, -97.3983	16.076	27.856	11.506	12.856	1350	0
FLOUR BLUFF	27.6, -97.2833	8.858	25.525	4.288	11.596	2650	0
PORT ARANSAS	27.8381, -97.0592	12.139	4.136	7.569	1.893	2148	0

Antecedent Precipitation vs Normal Range based on NOAA's Daily Global Historical Climatology Network



Coordinates	27.8882649598485, -97.0222486467836
Observation Date	2021-10-24
Elevation (ft)	4.57
Drought Index (PDSI)	Not available

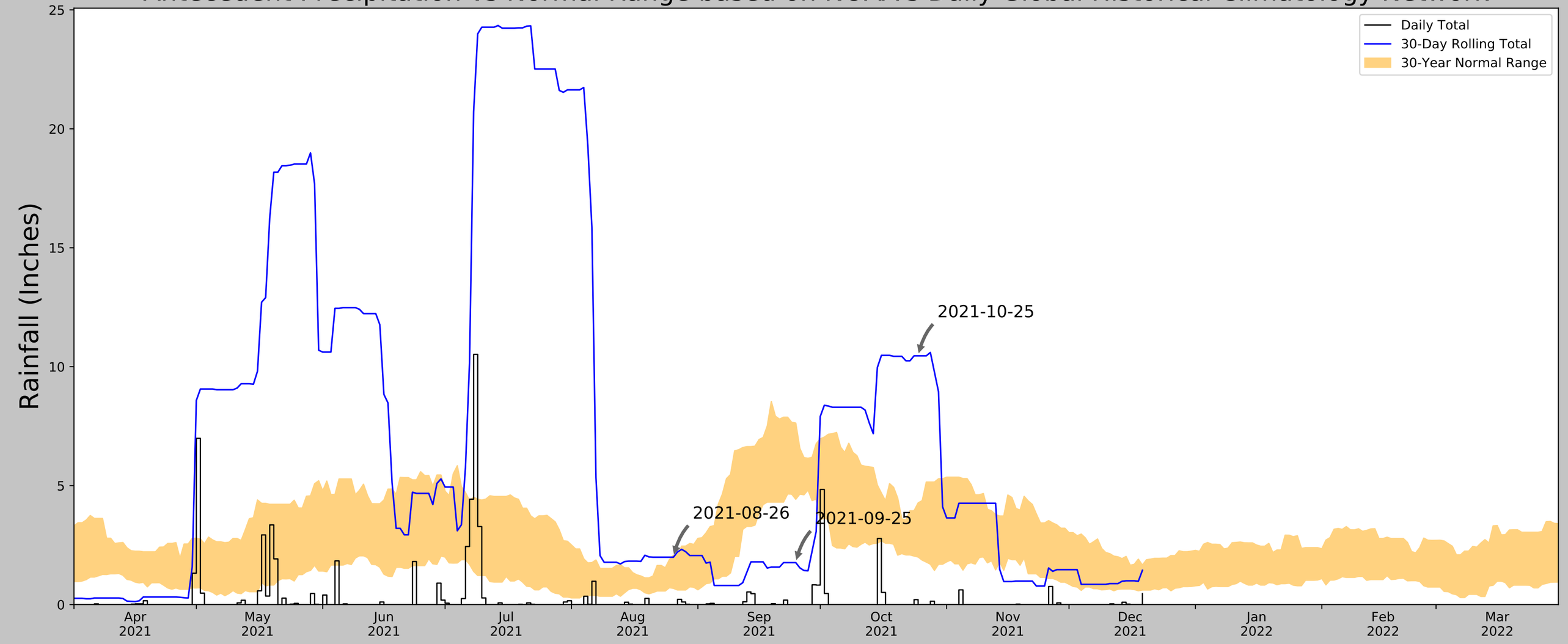
Figure and tables made by the
Antecedent Precipitation Tool
Version 1.0

Written by Jason Deters
U.S. Army Corps of Engineers

30 Days Ending	30th %ile (in)	70th %ile (in)	Observed (in)	Wetness Condition	Condition Value	Month Weight	Product
2021-10-24	2.040945	3.942126	10.456693	Wet	3	3	9
2021-09-24	4.642914	7.661811	1.76378	Dry	1	2	2
2021-08-25	0.710236	1.886221	1.992126	Wet	3	1	3

Weather Station Name	Coordinates	Elevation (ft)	Distance (mi)	Elevation Δ	Weighted Δ	Days Normal	Days Antecedent
ROCKPORT 1.3 WSW	28.0357, -97.0717	19.029	10.624	14.459	4.934	1477	0
ROCKPORT 0.6 N	28.0497, -97.0531	16.076	11.312	11.506	5.221	1394	0
ROCKPORT 3.0 NNW	28.0825, -97.0626	11.155	13.644	6.585	6.23	1398	83
ROCKPORT 2.1 NNW	28.0694, -97.0648	36.089	12.782	31.519	6.155	432	0
ARANSAS PASS 6.1 NNW	27.9727, -97.1349	20.013	9.018	15.443	4.197	2	0
ROCKPORT 4.4 SW	27.9894, -97.0949	6.89	8.276	2.32	3.743	91	7
CORPUS CHRISTI 8.0 WNW	27.752, -97.4129	45.932	25.661	41.362	12.609	283	0
CORPUS CHRISTI 9.0 SSE	27.5905, -97.2247	6.89	24.011	2.32	10.861	55	0
CORPUS CHRISTI 6.4 WSW	27.6865, -97.3951	36.089	26.716	31.519	12.864	5	0
PORT ARANSAS 1.3 ENE	27.8348, -97.061	4.921	4.387	0.351	1.976	2	0
FLOUR BLUFF 1.6 SW	27.6613, -97.3031	17.06	23.253	12.49	10.754	3	0
WOODSBORO 3.6 S	28.1864, -97.3146	36.089	27.243	31.519	13.118	1	0
C C BOTANICAL GARDENS	27.6606, -97.3983	16.076	27.856	11.506	12.856	1350	0
FLOUR BLUFF	27.6, -97.2833	8.858	25.525	4.288	11.596	2650	0
PORT ARANSAS	27.8381, -97.0592	12.139	4.136	7.569	1.893	2148	0

Antecedent Precipitation vs Normal Range based on NOAA's Daily Global Historical Climatology Network



Coordinates	27.8882649598485, -97.0222486467836
Observation Date	2021-10-25
Elevation (ft)	4.57
Drought Index (PDSI)	Not available

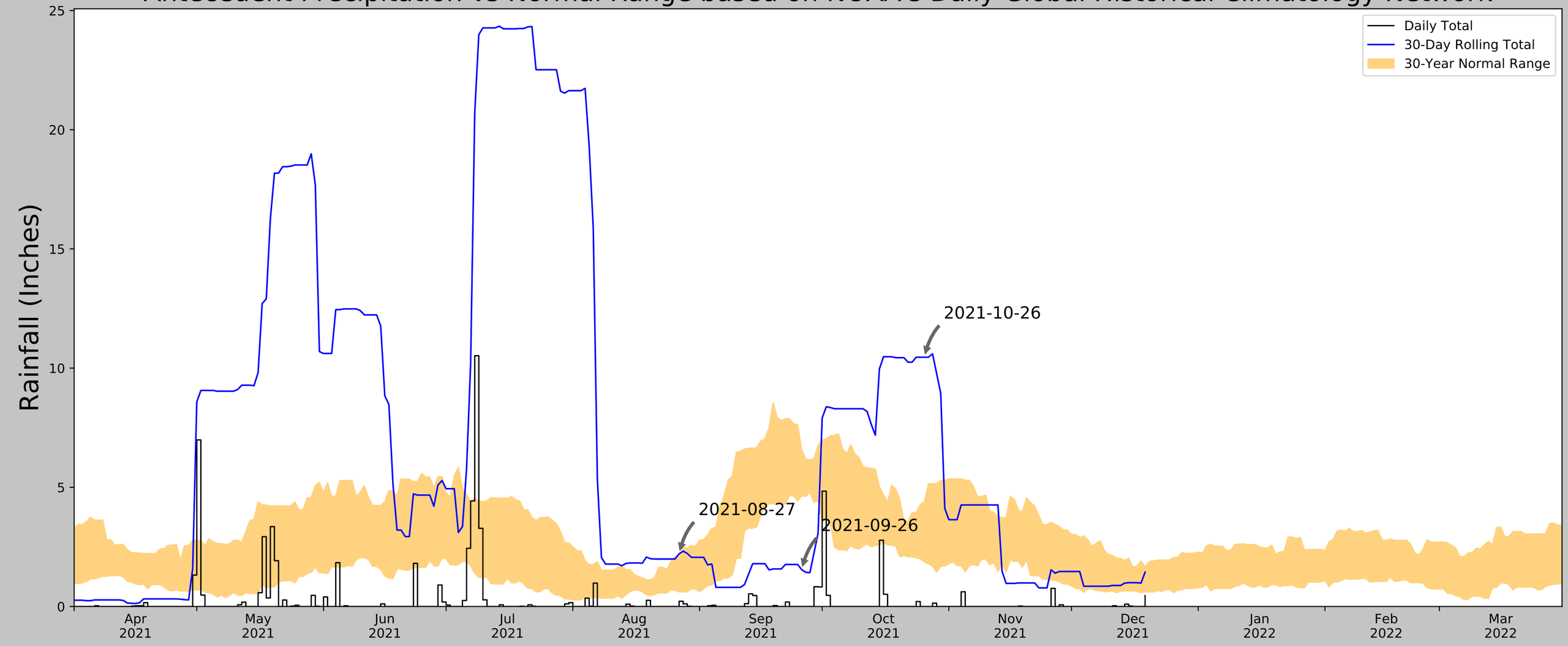
Figure and tables made by the
Antecedent Precipitation Tool
Version 1.0

Written by Jason Deters
U.S. Army Corps of Engineers

30 Days Ending	30th %ile (in)	70th %ile (in)	Observed (in)	Wetness Condition	Condition Value	Month Weight	Product
2021-10-25	2.000787	4.274803	10.456693	Wet	3	3	9
2021-09-25	4.428347	7.632284	1.76378	Dry	1	2	2
2021-08-26	0.682677	2.075984	1.992126	Normal	2	1	2

Weather Station Name	Coordinates	Elevation (ft)	Distance (mi)	Elevation Δ	Weighted Δ	Days Normal	Days Antecedent
ROCKPORT 1.3 WSW	28.0357, -97.0717	19.029	10.624	14.459	4.934	1477	0
ROCKPORT 0.6 N	28.0497, -97.0531	16.076	11.312	11.506	5.221	1394	0
ROCKPORT 3.0 NNW	28.0825, -97.0626	11.155	13.644	6.585	6.23	1398	83
ROCKPORT 2.1 NNW	28.0694, -97.0648	36.089	12.782	31.519	6.155	432	0
ARANSAS PASS 6.1 NNW	27.9727, -97.1349	20.013	9.018	15.443	4.197	2	0
ROCKPORT 4.4 SW	27.9894, -97.0949	6.89	8.276	2.32	3.743	91	7
CORPUS CHRISTI 8.0 WNW	27.752, -97.4129	45.932	25.661	41.362	12.609	283	0
CORPUS CHRISTI 9.0 SSE	27.5905, -97.2247	6.89	24.011	2.32	10.861	55	0
CORPUS CHRISTI 6.4 WSW	27.6865, -97.3951	36.089	26.716	31.519	12.864	5	0
PORT ARANSAS 1.3 ENE	27.8348, -97.061	4.921	4.387	0.351	1.976	2	0
FLOUR BLUFF 1.6 SW	27.6613, -97.3031	17.06	23.253	12.49	10.754	3	0
WOODSBORO 3.6 S	28.1864, -97.3146	36.089	27.243	31.519	13.118	1	0
C C BOTANICAL GARDENS	27.6606, -97.3983	16.076	27.856	11.506	12.856	1350	0
FLOUR BLUFF	27.6, -97.2833	8.858	25.525	4.288	11.596	2650	0
PORT ARANSAS	27.8381, -97.0592	12.139	4.136	7.569	1.893	2148	0

Antecedent Precipitation vs Normal Range based on NOAA's Daily Global Historical Climatology Network



Coordinates	27.8882649598485, -97.0222486467836
Observation Date	2021-10-26
Elevation (ft)	4.57
Drought Index (PDSI)	Not available

Figure and tables made by the
Antecedent Precipitation Tool
Version 1.0

Written by Jason Deters
U.S. Army Corps of Engineers

30 Days Ending	30th %ile (in)	70th %ile (in)	Observed (in)	Wetness Condition	Condition Value	Month Weight	Product
2021-10-26	1.868504	4.37126	10.456693	Wet	3	3	9
2021-09-26	4.645276	6.566929	1.543307	Dry	1	2	2
2021-08-27	0.61378	2.075984	2.212598	Wet	3	1	3

Weather Station Name	Coordinates	Elevation (ft)	Distance (mi)	Elevation Δ	Weighted Δ	Days Normal	Days Antecedent
ROCKPORT 1.3 WSW	28.0357, -97.0717	19.029	10.624	14.459	4.934	1477	0
ROCKPORT 0.6 N	28.0497, -97.0531	16.076	11.312	11.506	5.221	1394	0
ROCKPORT 3.0 NNW	28.0825, -97.0626	11.155	13.644	6.585	6.23	1398	83
ROCKPORT 2.1 NNW	28.0694, -97.0648	36.089	12.782	31.519	6.155	432	0
ARANSAS PASS 6.1 NNW	27.9727, -97.1349	20.013	9.018	15.443	4.197	2	0
ROCKPORT 4.4 SW	27.9894, -97.0949	6.89	8.276	2.32	3.743	91	7
CORPUS CHRISTI 8.0 WNW	27.752, -97.4129	45.932	25.661	41.362	12.609	283	0
CORPUS CHRISTI 9.0 SSE	27.5905, -97.2247	6.89	24.011	2.32	10.861	55	0
CORPUS CHRISTI 6.4 WSW	27.6865, -97.3951	36.089	26.716	31.519	12.864	5	0
PORT ARANSAS 1.3 ENE	27.8348, -97.061	4.921	4.387	0.351	1.976	2	0
FLOUR BLUFF 1.6 SW	27.6613, -97.3031	17.06	23.253	12.49	10.754	3	0
WOODSBORO 3.6 S	28.1864, -97.3146	36.089	27.243	31.519	13.118	1	0
C C BOTANICAL GARDENS	27.6606, -97.3983	16.076	27.856	11.506	12.856	1350	0
FLOUR BLUFF	27.6, -97.2833	8.858	25.525	4.288	11.596	2650	0
PORT ARANSAS	27.8381, -97.0592	12.139	4.136	7.569	1.893	2148	0

AQUATIC SURVEY REPORT

Port of Corpus Christi Authority Channel Deepening Project
Nueces and Aransas Counties, Texas
SWG-2019-00067

June 18, 2021

July 8, 2021 (Revision 1)

October 29, 2021 (Revision 2)

Prepared for:
Port of Corpus Christi Authority
222 Power Street
Corpus Christi, TX 78401

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1.0 Background and Introduction

The Port of Corpus Christi Authority (PCCA) is requesting authorization from the U.S. Army Corps of Engineers (USACE) to conduct dredge and fill activities to deepen a portion of the existing Corpus Christi Ship Channel (CCSC), as well as a 5.5-mile extension of the ship channel to the natural minus 80-foot bathymetric contour in the Gulf of Mexico. The proposed Corpus Christi Ship Channel Deepening Project (SWG-2019-00067) would deepen the channel from the eastern portion of Harbor Island into the Gulf of Mexico, an overall distance of 13.8 miles. The project is needed to accommodate the transit of fully laden Very Large Crude Carriers (VLCCs), which draft approximately 70-feet. The USACE determined a Draft Environmental Impact Statement (DEIS) will be required for the proposed project.

The PCCA is proposing to utilize five (5) separate Beneficial Use (BU) Placement Areas (PAs) sites in association with the proposed Corpus Christi Ship Channel Deepening Project (SWG-2019-00067). Field surveying and quantification of sensitive resources within and surrounding the proposed BU sites are required to support the DEIS being prepared by the USACE.

Five distinct BU survey areas (PA4, SS1, SS2, HI-E, and MI) were established and surveyed based on information gathered from both PCCA and the USACE. All BU boundaries were provided to Triton Environmental Solutions, LLC (Triton) by PCCA, excluding PA4. The boundary for PA4 was downloaded from the USACE Geospatial website on April 20, 2021. To create the respective BU Project Study Areas (PSAs), Triton buffered each BU boundary by 500 feet in an effort to delineate any seagrass(s) and live oyster within the project vicinity, per USACE requirements. The total survey area encompassed approximately 2,168.50-acres across the five PSAs and included PA4 (Approx. 294.12-acres), SS1 (Approx. 589.90-acres), SS2 (Approx. 250.60-acres), HI-E (Approx. 269.40-acres), and MI (Approx. 764.48-acres). A sixth BU site, San Jose Island (SJI) is included as part of Exhibit C, but due to access and schedule constraints, will be surveyed at a later date and included as an addendum to this report.

Triton established Global Positioning System (GPS) coordinates for survey boundaries, transects, and sample stations. Survey files were loaded onto Trimble real-time kinematic (RTK) and GEO7x GPS units for field mapping, data collection, and navigation. The aquatic survey was conducted within the limits of the survey boundaries shown on the enclosed plans (Exhibit C).

Beginning on April 27, 2021, and spanning through June 4, 2021, Triton conducted aquatic resource surveys to document and quantify marine sensitive resource(s) occurrence, distribution, and coverage within the vicinity (i.e., 500-foot buffer) of each of the five PSAs. Detailed descriptions of the sampling design and data collection methodology, data analysis and results, and representative photographs of the aquatic surveys are presented in subsequent sections. The following report documents sensitive resources (primarily seagrass and live oyster) frequency of occurrence, distribution, percent cover (seagrass only), as well as delineated boundaries (acreage extents) for each sensitive resource identified.

2.0 Methodology

2.1 Aquatic Sensitive Resource Surveys (seagrass and oyster): PA4, SS1, SS2, HI-E, and MI PSAs

2.1.1 Sampling Design and Data Collection

The seagrass and oyster survey was conducted with a systematic, analytical methodology utilizing wading visual and hand detection intercept sampling (i.e., feeling the bay bottom by hand) in conjunction with a modified Braun-Blanquet rapid visual assessment technique (Braun-Blanquet 1972; Fourqurean 2001). The implementation of wading presence/absence (i.e., percent frequency) and Braun-Blanquet techniques allowed for the landward and bayward delineation of seagrass to determine seagrass bed extents (acreage) while also providing species composition and percent cover (i.e., relative abundance) information. Triton personnel travelled to respective survey areas by vehicle (where accessible), and in shallow-draft outboard skiffs ranging in length from 17- to 25-feet. Skiffs draw less than one foot of water and prop-washing was strictly avoided. Sample data points were collected along pre-defined transects, orienting from the shoreline and extending waterward within each respective PSA. Transects were spaced at 100-foot (PA4, SS1, SS2, HI-E) or 2,000-foot intervals (MI). Transect spacing for MI was established from pre-approved transects that were developed as part of a prior study component to assist with the development of the DEIS. Orienting from the shoreline, Triton utilized hand detection sampling spaced at 10-foot intervals and a modified Braun-Blanquet rapid visual quadrat assessment conducted at every 5th (i.e., 50-feet) sampling interval. Sample transects and sample stations are shown in the enclosed Aquatic Resources Survey Data View Maps (see Figures below) and the following were surveyed:

a. PA4 Site: 106 total transects; 2,380 total sample stations (N = 1,895 total hand detection feels; N = 485 quadrats)
b. SS1 Site: 174 total transects; 11,166 total sample stations (N = 9,219 total hand detection feels; N = 1,947 quadrats)
c. SS2 Site: 117 total transects; 2,407 total sample stations (N = 1,727 total hand detection feels; N = 680 quadrats)
d. HI-E Site: 82 total transects; 1,969 total sample stations (N = 1,528 total hand detection feels; N = 441 quadrats)
e. MI Site: 14 total transects; 359 total sample stations (N = 308 total hand detection feels; N = 51 quadrats)

At each sample station, Triton personnel identified composition of substrate, determined presence/absence of seagrass, and identified seagrasses to species. To determine presence or absence of seagrass, survey staff conducted a visual and hand feel detection on the bay bottom, centered on the transect line. For the Braun-Blanquet data collection points, a 0.25m^2 quadrat was randomly tossed within 1-meter of the transect line. Triton conducted each quadrat assessment by visually identifying each seagrass species present and estimating percent cover for each species within the 0.25m^2 quadrat. Percent cover, as defined for this purpose, was the fraction of the total quadrat area that was obscured by a particular species when observed from an overhead view. Seagrass was not removed or disturbed with the hand detection or rapid visual assessment techniques. Seagrass species and Braun-Blanquet data were recorded according to Tables 1 and 2, respectively.

Table 1. Seagrass species key.

Abbreviation	Common Name	Scientific Name
0	Not present	N/A
A	Algae	N/A
H	Shoalweed	*Halodule wrightii*
Ha	Clovergrass	*Halophila englemannii*
R	Beaked ditch-grass (Widgeon)	*Ruppia maritima*
S	Manatee grass	*Syringodium filiforme*
T	Turtle grass	*Thalassia testudinum*
W	Seagrass wrack material	N/A

Table 2. Braun-Blanquet abundance (S) scoring key.

S	Interpretation
0	Species absent from quadrat
0.1	Species represented by a single solitary short shoot, < 5% cover
0.5	Species represented by a few (< 5%) short shoots, < 5% cover
1	Species represented by many (> 5%) short shoots, < 5% cover
2	Species represented by many (> 5%) short shoots, 5 – 25% cover
3	Species represented by many (> 5%) short shoots, 25 – 50% cover
4	Species represented by many (> 5%) short shoots, 50 – 75% cover
5	Species represented by many (> 5%) short shoots, 75 – 100% cover

Wading visual, hand detection, and Braun-Blanquet survey methods terminated at approximately -3.0 feet NAVD88 due to safety concerns (ship traffic, currents, etc.) and inability to effectively and efficiently sample seagrass in deeper waters via wading. In waters > -3.0 feet NAVD88, when necessary, Triton confirmed the bayward edge of seagrass by surveying from a vessel utilizing an integrated sampling approach of side-scan, ground-truthing with diving, and use of a post-hole grab. Transects terminated at 30-feet past the bayward edge of seagrass (i.e., minimum of three consecutive sample stations) or the leading slope of deep-water channels (for safety concerns), whichever occurred first.

In areas where oyster reef and/or shell were encountered during the wading surveys (i.e., ≤ -3.0 feet NAVD88), a grab from the bay bottom was utilized to determine whether the substrate encountered was live oyster or a combination of shell gaper, halves, fragments, or shell hash. A grab was only utilized if shell type could not be visually identified. All live oyster identified was circumnavigated to delineate the boundary, providing spatial acreage estimates. In waters beyond -3.0 feet NAVD88, Triton staff consolidated readily available current oyster geospatial data from National Oceanic Atmospheric Administration (NOAA) National Centers for Environmental Information; Gulf of Mexico Data Atlas to identify any known existing oyster reef locations within the survey areas. Once consolidated, Triton staff surveyed these locations by sounding to verify/determine oyster boundaries and acreage extent.

Substrate composition was recorded at each sample point, providing substrate profile and frequency of occurrence information. Substrate was recorded according to the key in Table 3.

Table 3. Substrate key.

Abbreviation	Type
M	Mud
S	Sand
C	Clay
G	Gravel
SH	Shell (gaping, halves, fragments, or shell hash)
OY	Live Oyster

Representative bottom elevations and depth of soft sediment were collected with a sounding rod (tide-adjusted) within each survey area; primarily in areas of identified sensitive resources (i.e., seagrass beds) and occurred at approximately 300-foot transect intervals, every 10-feet.

The High Tide Line (HTL) elevation for the survey area (+2.76 ft NAVD88) has been recently verified by the USACE (SWG-2015-00417). The HTL is the upper limit of USACE jurisdiction along tidal shorelines, and in the absence of jurisdictional wetlands, which may extend above the HTL. The MHW line elevation for this area (+1.01 ft NAVD88) was obtained from the National Oceanic and Atmospheric Administration's (NOAA) Tide Station No. 8775296: USS Lexington. The MHW line demarcates the upper limit of "navigable waters and USACE jurisdiction under Section 10 of the Rivers and Harbors Act of 1899."

Positional locations of the Mean High Water (MHW) and High Tide Line (HTL) tidal elevation lines were recorded along the shorelines of each of the five PSAs. Staff biologists surveyed the shoreline at discrete point locations to locate the MHW and HTL elevations using a Trimble R8 RTK, sub-centimeter GPS unit. Once the tidal boundary field survey was complete, positional and elevation data for MHW and HTL tidal boundaries were post-processed in the office and overlaid onto recent aerial imagery.

All survey data was recorded with a Trimble RTK GPS receiving real-time corrections from the VRS Network, or GEO 7x handheld GPSs, and complied with the USACE Standard Operating Procedures (SOP) for recording jurisdictional delineations with a GPS. Benchmarks were surveyed every morning prior to initiation of daily surveying activities and in the evening after daily survey completion. An SOP Table is included in Exhibit D. Position coordinates were recorded and then plotted in the office with ArcGIS 10.6 and ArcGIS Pro software.

2.1.2 Data Analysis

Determining presence/absence (i.e., frequency of occurrence) of seagrass by hand detection at each sample station was calculated as follows:

$$F_O = (\sum O_S / N_H)$$

where F_O = seagrass percent frequency of occurrence, O_S = seagrass occurrence, and N_H = number of total hand detection sampling stations. The presence/absence component of the survey facilitated delineation of seagrass acreage extent throughout the survey areas.

The data from each Braun-Blanquet data collection point was analyzed to quantify percent cover (i.e., seagrass relative abundance) and frequency by species encountered within the survey areas. These data provided species composition information, frequency of occurrence by species, as well as seagrass percent cover estimates. Percent cover was calculated as follows:

$$VC_S = (\sum Q_S / N_Q)$$

where VC_S = mean seagrass percent vegetative cover, Q_S = quadrat score, and N_Q = number of total quadrats.

Percent frequency by seagrass species was calculated with the following equation:

$$F_{OS1} = (\sum O_{S1} / N_Q)$$

where F_{OS1} = seagrass percent frequency of occurrence by species, O_{S1} = seagrass occurrence by species, and N_Q = number of total quadrats.

Substrate data was quantified by summing the total occurrence of substrate type and dividing by total number of substrate sample stations, providing substrate composition information for each respective survey area. Summary statistics (N, minimum, maximum, and mean) for depth of soft sediment and elevation was calculated for each BU survey placement area.

2.2 Meteorological Observations and Photographic Record

Triton documented general meteorological conditions on daily field sheets. The selected tide station for the project was determined to be the USS Lexington, Corpus Christi Bay, TX - Station ID: 8775296. Daily air and water temperatures were accessed via the National Oceanic and Atmospheric Administration's webpage at: (https://tidesandcurrents.noaa.gov/stationhome.html?id=8775296). The USS Lexington was selected as the primary tidal reference station for the Project because it provides a better representation of the interior bay systems of the project area and is less susceptible to stronger tidal amplitudes from large passing vessel traffic and onshore run-up from the Gulf of Mexico near the jetties (i.e., Port Aransas tide gauge). It has also been Triton's experience that the USACE and Licensed State Land Surveyors both typically delineate the +1.01-foot NAVD88 contour for MHW, which is the same MHW value utilized by the USS Lexington tide gauge.

Due to the lack of wind data at the USS Lexington, Corpus Christi Bay, TX station for the survey period, daily wind speed, direction, and gusts were obtained from the Port Aransas, TX - Station ID: 8775237. The Port Aransas, TX station data was accessed via the National Oceanic and Atmospheric Administration's webpage at: (https://tidesandcurrents.noaa.gov/stationhome.html?id=8775237).

Additionally, Triton staff photograph documented the field survey collections and have included representative images of habitats and general site conditions in Exhibit A.

3.0 Results

3.1 Aquatic Sensitive Resource Surveys (seagrass and oyster): PA4, SS1, SS2, HI-E, and MI PSAs

3.1.1 Summary (combined across PSAs)

A total of 493 transects were surveyed, and 18,281 sample data points were collected during the survey: including 2,380 at PA4, 11,166 at SS1, 2,407 at SS2, 1,969 at HI-E, and 359 at MI (Table 4). Seagrass was encountered at PA4, SS1, and HI-E PSAs. No seagrass was detected at placement areas SS2 or MI PSAs. The delineated extents of seagrass totaled 150.36-acres (Table 5) across all survey areas and was most

abundant at SS1 (106.33-acres), followed by PA4 (25.32-acres), then HI-E (18.71-acres). Shoalweed *Halodule wrightii* (20.5%), and widgeon grass *Ruppia maritima* (11.4%) were observed in greatest frequency, but turtle grass *Thalassia testudinum* (6.8%), manatee grass *Syringodium filiforme* (< 0.1%), and clover grass, *Halophila englemannii* (0.5%) were also encountered, representing diverse seagrass communities, particularly at PA4 and SS1 PSAs (Tables 6 and 10).

Table 4. Total Number (N) of Transects, Hand Detection Points, Braun-Blanquet Quadrat Points, and Total Sampling Points by PSA and Combined Across All PSAs.

Survey Area	Transects (N)	Hand Detection Points (N)	Quadrat Points (N)	Total Sample Points (N)
PA4	106	1,895	485	2,380
SS1	174	9,219	1,947	11,166
SS2	117	1,727	680	2,407
HI-E	82	1,528	441	1,969
MI	14	308	51	359
Total	**493**	**14,677**	**3,604**	**18,281**

Table 5. Summary of Seagrass and Live Oyster Acreages by PSA and Combined Across All PSAs.

Survey Area	Acres (Seagrass)	Acres (Live Oyster)
PA4	25.32	0.13
SS1	106.33	2.32
SS2	0.00	0.00
HI-E	18.71	0.96
MI	0.00	0.00
Total	**150.36**	**3.41**

Table 6. Frequency (N) of Seagrass Detections and Percent Frequency of Seagrass, Combined Data Across PSAs.

Abbreviation	Frequency (N)	Percent Frequency
0	8,634	58.8
A	47	0.3
H	3,004	20.5
Ha	77	0.5
R	1,678	11.4
S	1	0.0
T	998	6.8
W	238	1.6
Combined seagrass	**5,758**	**39.2**
Total	**14,677**	**100.0**

A combined 3,604 Braun-Blanquet quadrats were assessed across all PSAs (Table 7). Seagrass percent cover, as indicated by Braun-Blanquet quadrat scores (S), varied from 0 (i.e., absent) to 5 (75 – 100%). The

mean Braun-Blanquet score across all survey areas was 2 (rounded from 1.5) and indicated seagrass percent cover of roughly 5 – 25% within the combined survey areas (Table 7).

Table 7. Summary of Braun-Blanquet Data by PSA and Combined Across PSAs. N = number of quadrats, range represents the minimum and maximum Braun-Blanquet (S) values.

Survey Area	N	Range (S)	Mean (S)
PA4	485	0 - 5	1.6
SS1	1,947	0 - 5	1.9
SS2	680	-	0.0
HI-E	441	0 - 5	1.7
MI	51	-	0.0
Combined	**3,604**	**0 - 5**	**1.5**

Live oyster comprised 3.41-acres (Table 5) across all PSAs and included 0.13-acres at PA4 (N = 2 reefs), 2.32-acres at SS1 (N = 2 reefs), and 0.96-acres at HI-E (N = 37 reefs). No live oyster was identified at SS2 or MI. Live oyster was encountered with relatively low frequency at PA4 (0.5%), SS1 (1.1%), SS2 (0.0%), HI-E (2.6%), and MI (0.0%; Table 11).

Geospatial oyster data from the NOAA National Centers for Environmental Information; Gulf of Mexico Data Atlas was obtained and assessed for oyster presence in waters greater than -3.0 feet NAVD88. The desktop analysis indicated no oyster presence in waters greater than -3.0 feet NAVD88 in any of the placement area survey boundaries.

Six substrate types were encountered within the seagrass survey areas and included mud, sand, clay, gravel, shell (gaping, halves, fragments, or shell hash), and live oyster. Predominant substrate types observed included sand (74.1%), mud (15.1%), clay (5.4%), and shell (4.3%; Table 8). Live oyster was encountered with a frequency of 1.0% across all sample stations and survey areas.

Table 8. Frequency (N) and Percent Frequency by Substrate Type, Combined Data Across PSAs.

Abbreviation	Frequency (N)	Percent Frequency
M	2,205	15.1
S	10,851	74.1
C	788	5.4
G	17	0.1
SH	631	4.3
OY	151	1.0
Total	**14,643**	**100.0**

Depth of soft sediment ranged from 0.0 – 2.6 feet and averaged 0.1 feet across all survey areas (Table 9). Bottom elevations averaged -1.1 feet and ranged from -10.8 feet to +2.1 feet (vertical datum: NAVD88; Table 9).

Table 9. Summary Depth of Soft Sediments (DSS) and Elevation Data by Survey Area and Combined Across PSAs. N = number of sample points, range represents the minimum and maximum DSS and Elevation (feet) values. Vertical Datum: NAVD88.

Survey Area	DSS (N)	DSS (range)	DSS (mean)	Elevation (N)	Elevation (minimum)	Elevation (maximum)	Elevation (mean)
PA4	868	0.0 - 1.8	0.2	868	-7.1	1.1	-1.0
SS1	4,741	0.0 - 1.8	0.2	4,686	-6.0	2.0	-0.6
SS2	1,255	0.0 - 1.9	0.2	1,257	-10.8	1.1	-3.0
HI-E	554	0.0 - 2.6	0.3	498	-7.2	1.7	-1.2
MI	308	0.0 - 0.0	0.0	308	-2.1	2.1	0.2
Combined	**7,726**	**0.0 - 2.6**	**0.1**	**7,617**	**-10.8**	**2.1**	**-1.1**

3.1.2 PA4 PSA

One-hundred and six transects were surveyed and 2,380 sample points (N = 1,895 hand detection, N = 485 quadrats) were collected at PA4 (Table 4). Four seagrass beds were delineated within the PA4 survey boundary and totaled 25.32-acres (Table 5 & Figure 2). Seagrass was observed at 50.3% of all sampling locations and was comprised primarily of shoalweed (39.5%) and widgeon grass (10.8%; Table 10). Clover grass and turtle grass were also present in low frequency. Bare substrate (i.e., void of seagrass) was encountered at 48.0% of sample locations. Seagrass species co-occurred at 7.3% of sampling locations.

A total of 485 quadrats were assessed at PA4 (Table 7). Seagrass percent cover, as indicated by Braun-Blanquet scores (S) ranged from 0 (i.e., not present) to 5 (i.e., 75 – 100%) at PA4. The combined mean Braun-Blanquet (S) score was 2 (rounded from 1.6), indicating seagrass percent cover (i.e., relative abundance) of roughly 5 – 25% of the total PA4 survey area (Table 7). Seagrass percent cover for quadrats solely contained within the delineated seagrass beds indicated healthy, robust stands of seagrass.

Live oyster was mapped at two locations on the southern side of PA4 and encompassed a combined 0.13-acres (Table 5 & Figure 2). Live oyster was encountered at only 9 sampling stations (0.5%; Table 11), an additional indicator of the low prevalence of live oyster within PA4.

Six substrate types were encountered within PA4 and included mud, sand, clay, gravel, shell (gaping, halves, fragments, or shell hash), and live oyster. Predominant substrate types observed included sand (79.9%), mud (11.1%), and shell (6.6%; Table 11). Live oyster was encountered with a frequency of 0.5% and gravel was intercepted at only 0.3% of sample stations within PA4.

Depth of soft sediment averaged 0.2 feet and ranged from 0.0 – 1.8 feet, indicating the presence of soft sediments within some areas of PA4 (Table 9). Bottom elevations at PA4 averaged -1.0 feet and ranged from -7.1 feet to +1.1 feet NAVD88.

3.1.3 SS1 PSA

One-hundred seventy-four transects (N = 11,166 total sample points; N = 9,219 hand detection, N = 1,947 quadrats) were evaluated at SS1 (Table 4). Seagrass was observed in highest abundance at SS1 when compared to all other PSAs. Three seagrass beds were delineated within the SS1 survey boundary and encompassed 106.33-acres (Table 5 & Figure 4). Seagrass was observed at 44.5% of all sampling locations and was comprised primarily of shoalweed (21.9%), widgeon grass (11.0%), and turtle grass (10.8%; Table 10). Clover grass and manatee grass were also represented in low frequency. Bare substrate (i.e., void of

seagrass) was encountered at 52.9% of sample locations. Various seagrass species co-occurred at an estimated 6.6% of sampling stations.

A total of 1,947 quadrats were quantified at SS1 (Table 7), and seagrass percent cover ranged from 0 (i.e., not present) to 5 (i.e., 75 – 100%). The combined mean Braun-Blanquet (S) score was 2 (rounded from 1.9), indicating seagrass relative abundance (i.e., percent cover) of roughly 5 – 25% of the total SS1 survey area (Table 7). Seagrass percent cover for quadrats solely contained within the delineated seagrass beds indicated healthy, robust, and diverse stands of seagrass within SS1.

Live oyster was delineated at SS1 at two locations and totaled 2.32-acres (Figure 4). Both live reefs are located on the northern side of SS1. Live oyster was encountered with relatively low frequency (1.1%; Table 11) of the total sampling stations.

Six substrate types were encountered within SS1 and included mud, sand, clay, gravel, shell (gaping, halves, fragments, or shell hash), and live oyster. Prevalent substrate types observed included sand (73.5%), mud (15.0%), clay (6.6%), and shell (3.7%; Table 11). Live oyster (1.1%) and gravel (< 0.1%) were rarely intercepted.

Depth of soft sediment averaged 0.2 and ranged from 0.0 – 1.8 feet, indicating the presence of soft sediments within some areas of SS1 (Table 9). Bottom elevations at SS1 varied from -6.0 feet to +2.0 feet and the mean bottom elevation was calculated at -0.6 feet NAVD88.

3.1.4 SS2 PSA

One-hundred seventeen transects were surveyed and 2,407 sample points (N = 1,727 hand detection, N = 680 quadrats) were collected at SS2 (Table 4). No sensitive aquatic resources (i.e., seagrass and live oyster) were observed at SS2 (Table 5 & Figure 6). Bare substrate was encountered at 99.5% of all sampling stations. Algae and wrack were encountered at a rate of 0.3% and 0.2%, respectively (Table 10).

Five substrates were identified within SS2 and included sand (94.7%), mud (2.3%), shell (1.7%), clay (0.8%), and gravel (0.5%; Table 11). No live oyster was encountered.

Mean depth of soft sediment was 0.2 and ranged from 0.0 – 1.9 (Table 9). Bottom elevations ranged from -10.8 feet to 1.1 feet and averaged -3.0 feet NAVD88 (Table 9).

3.1.5 HI-E PSA

Eighty-two transects and 1,969 total sample points (N = 1,528 hand detection, N = 441 quadrats) were collected at HI-E (Table 4). Seagrass was observed in lowest abundance at HI-E when compared to the other placement areas where seagrass was identified (i.e., PA4, SS1). Four seagrass beds were delineated within the HI-E survey boundary and encompassed 18.71-acres (Table 5). Seagrass was detected at 45.7% of all sampling locations and was comprised of widgeon grass (29.9%) and shoalweed (15.8%; Table 10). Bare substrate (i.e., void of seagrass) was encountered at 53.7% of sample locations. Wrack was also indicated in low frequency (0.6%). Widgeon grass and shoalweed co-occurred at roughly 6.0% of sampling stations.

A combined 441 Braun-Blanquet quadrats were assessed at HI-E (Table 7). Seagrass percent cover, as indicated by Braun-Blanquet quadrat scores (S), varied from 0 (i.e., absent) to 5 (75 – 100%). The mean Braun-Blanquet score was 2 (rounded from 1.7) and indicated seagrass relative abundance of roughly 5 – 25% cover within the HI-E survey area (Table 7).

Numerous (N = 37), small live oyster reefs were delineated at HI-E and comprised 0.96-acres (Table 5). These were predominately located on the west and northeastern side of the island (Figure 8). Live oyster was encountered with a frequency of 2.6% (Table 11) at HI-E.

Five substrates were observed within HI-E. Common substrates included sand (42.0%) and mud (37.5%). Clay (9.0%), shell (8.8%), and live oyster (2.6%) were encountered with less frequency (Table 11).

Depth of soft sediment averaged 0.3 feet and ranged from 0.0 – 2.6 feet. Mean depth of soft sediments was highest at HI-E relative to all other placement areas and indicated the presence of soft sediments within some areas of HI-E (Table 9). Bottom elevations at HI-E averaged -1.2 feet and ranged from -7.2 feet to +1.7 feet NAVD88.

3.1.6 MI PSA

Fourteen transects and 359 total sample points (N = 308 hand detection, N = 51 quadrats) were assessed at MI (Table 4). No seagrass or live oyster was observed within MI (Figure 10). Bare substrate was encountered with 100.0% frequency and sand (100.0%) was the only substrate type identified (Tables 10 and 11).

Sediments were firm (mean depth of soft sediment = 0.0) and bottom elevations ranged from -2.1 feet to 2.1 feet and averaged 0.2 feet NAVD88 (Table 9).

Table 10. Frequency (N) of Seagrass Detections and Percent Frequency of Seagrass by PSA.

Survey Area	Abbreviation	Frequency (N)	Percent Frequency
PA4	0	909	48.0
	A	0	0.0
	H	748	39.5
	Ha	0	0.0
	R	205	10.8
	S	0	0.0
	T	1	0.1
	W	32	1.7
Combined seagrass		**954**	**50.3**
Total		**1,895**	**100.0**
SS1	0	4,878	52.9
	A	41	0.4
	H	2,015	21.9
	Ha	77	0.8
	R	1,016	11.0
	S	1	< 0.1
	T	997	10.8
	W	194	2.1
Combined seagrass		**4,106**	**44.5**
Total		**9,219**	**100.0**
SS2	0	1,718	99.5
	A	6	0.3
	H	0	0.0
	Ha	0	0.0
	R	0	0.0
	S	0	0.0
	T	0	0.0
	W	3	0.2
Combined seagrass		**0**	**0.0**
Total		**1,727**	**100.0**

Table 10 (Cont'd). Frequency (N) of Seagrass Detections and Percent Frequency of Seagrass by PSA.

Survey Area	Abbreviation	Frequency (N)	Percent Frequency
HI-E	0	821	53.7
	A	0	0.0
	H	241	15.8
	Ha	0	0.0
	R	457	29.9
	S	0	0.0
	T	0	0.0
	W	9	0.6
Combined seagrass		**698**	**45.7**
Total		**1,528**	**100.0**
MI	0	308	100.0
	A	0	0.0
	H	0	0.0
	Ha	0	0.0
	R	0	0.0
	S	0	0.0
	T	0	0.0
	W	0	0.0
Combined seagrass		**0**	**0.0**
Total		**308**	**100.0**

Table 11. Frequency (N) and Percent Frequency by Substrate Type and PSA.

Survey Area	Abbreviation	Frequency (N)	Percent Frequency
PA4	M	209	11.1
	S	1,511	79.9
	C	32	1.7
	G	5	0.3
	SH	124	6.6
	OY	9	0.5
Total		**1,890**	**100.0**
SS1	M	1,385	15.0
	S	6,777	73.5
	C	604	6.6
	G	4	0.0
	SH	344	3.7
	OY	102	1.1
Total		**9,216**	**100.0**
SS2	M	39	2.3
	S	1,606	94.7
	C	13	0.8
	G	8	0.5
	SH	29	1.7
	OY	0	0.0
Total		**1,695**	
HI-E	M	573	37.5
	S	641	42.0
	C	138	9.0
	G	0	0.0
	SH	134	8.8
	OY	40	2.6
Total		**1,526**	**100.0**
MI	M	0	0.0
	S	308	100.0
	C	0	0.0
	G	0	0.0
	SH	0	0.0
	OY	0	0.0
Total		**308**	**100.0**

3.2 Meteorological Observations and Photographic Record

Daily meteorological and tide conditions are presented in Exhibit B. Air temperature ranged from a low of 66 °F on May 13th to a survey high of 84 °F on May 27th. Clear skies to heavy rainfall were encountered. Wind velocities ranged from 0.0 miles per hour (mph) to 20.2 mph. Surveys were not conducted in inclement weather (i.e., thunder/lightning storms, winds speed greater than 25 mph). According to the National Weather Service data, precipitation received in nearby Corpus Christi during the survey period totaled 12.2 inches. Heaviest rainfall occurred on May 20th and totaled 4.5 inches. Meteorological reports indicated that May 2021 was the third wettest month on record for Corpus Christi and totaled 11.3 inches. Tide levels ranged from +1.09 feet NAVD88 on May 6th to +2.79 feet NAVD88 on May 19th.

4.0 Conclusion

Comprehensive sensitive aquatic resources surveying across five PSAs (PA4, SS1, SS2, HI-E, and MI) allowed for the quantification of marine sensitive resource(s) to document presence, distribution, percent cover (seagrass only) as well as delineated boundaries (i.e., acreage extents) for seagrass and live oyster within each BU placement area as well as combined across all PSAs. Aquatic resources surveying indicated the presence of both seagrass and live oyster within the survey boundaries of three PSA locations (PA4, SS1, and HI-E). Seagrass and live oyster were not detected at two of the five PSAs (SS2 and MI).

Specifically:

- A total of 150.36-acres of seagrass and 3.41-acres of live oyster were identified and delineated across all survey areas.
- PA4 contained 25.32-acres of seagrass and 0.13-acres of live oyster, respectively.
- SS1 comprised the greatest abundance of sensitive aquatic resources and included seagrass (106.33-acres) and live oyster (2.32-acres).
- HI-E contained 18.71-acres of seagrass and 0.96-acres of live oyster, respectively.
- No sensitive aquatic resources (seagrass or live oyster) were encountered within placement areas SS2 or MI.

In summary, the sensitive aquatic resources results, and maps can be utilized as a project planning tool to inform the permitting process. Specifically, the delineation of sensitive resources should facilitate decisions regarding avoidance or minimization measures to sensitive aquatic resources, while also informing habitat restoration project locations, such as beach nourishment or other habitat enhancement initiatives. To conclude, the sensitive aquatic resources data contained herein should enable preparation and fully support the DEIS.

5.0 Literature Cited

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Pulich, W.M., Jr., B. Hardegree, A. Kopecky, S. Schwelling, C. P. Onuf, and K.H. Dunton. 2003. Texas Seagrass Monitoring Strategic Plan (TSMSP). Publ. Texas Parks and Wildlife Department, Resource Protection Division, Austin, Texas. 27 pp.

Figure 1.
Project Vicinity Map

Vicinity Map - Aquatic Survey

Corpus Christi Ship Channel Deepening Project
(SWG-2019-00067)

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Prepared For:
Port of Corpus Christi Authority
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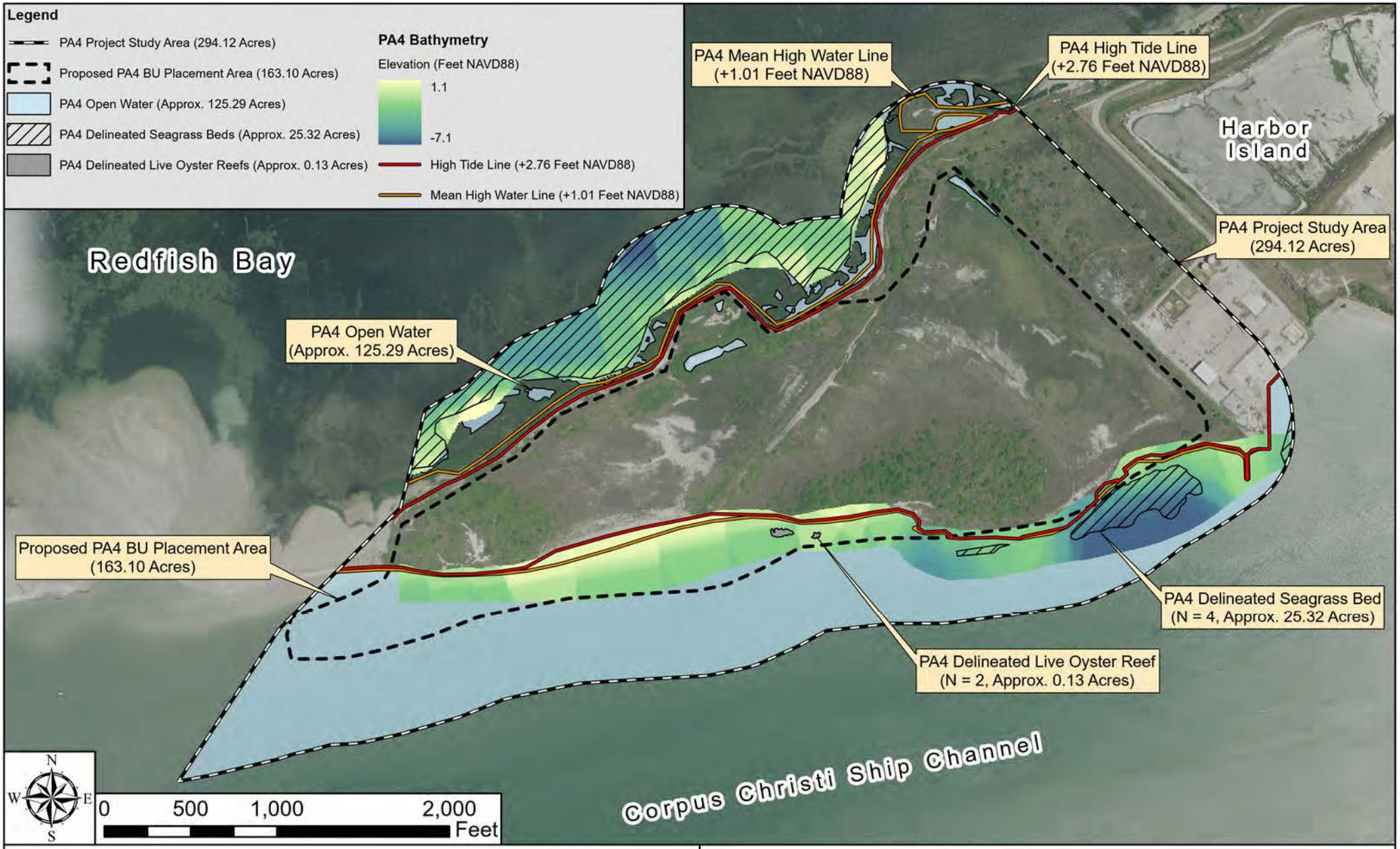
Map Notes
-Base Map Source: Image obtained from ArcGIS Pro; World Imagery.
-BU Placement Area boundary and shapefiles for SS1, SS2, & HI-E were provided by the Port of Corpus Christi Authority.
-Shapefile for PA4 obtained from the U.S. Army Corps of Engineers.
-Map preparation date: October 29, 2021 (JW).

Figure 2.
PA4 Aquatic Survey Overview Map



Aquatic Survey Overview Map - PA4

Corpus Christi Ship Channel Deepening Project
(SWG-2019-00067)

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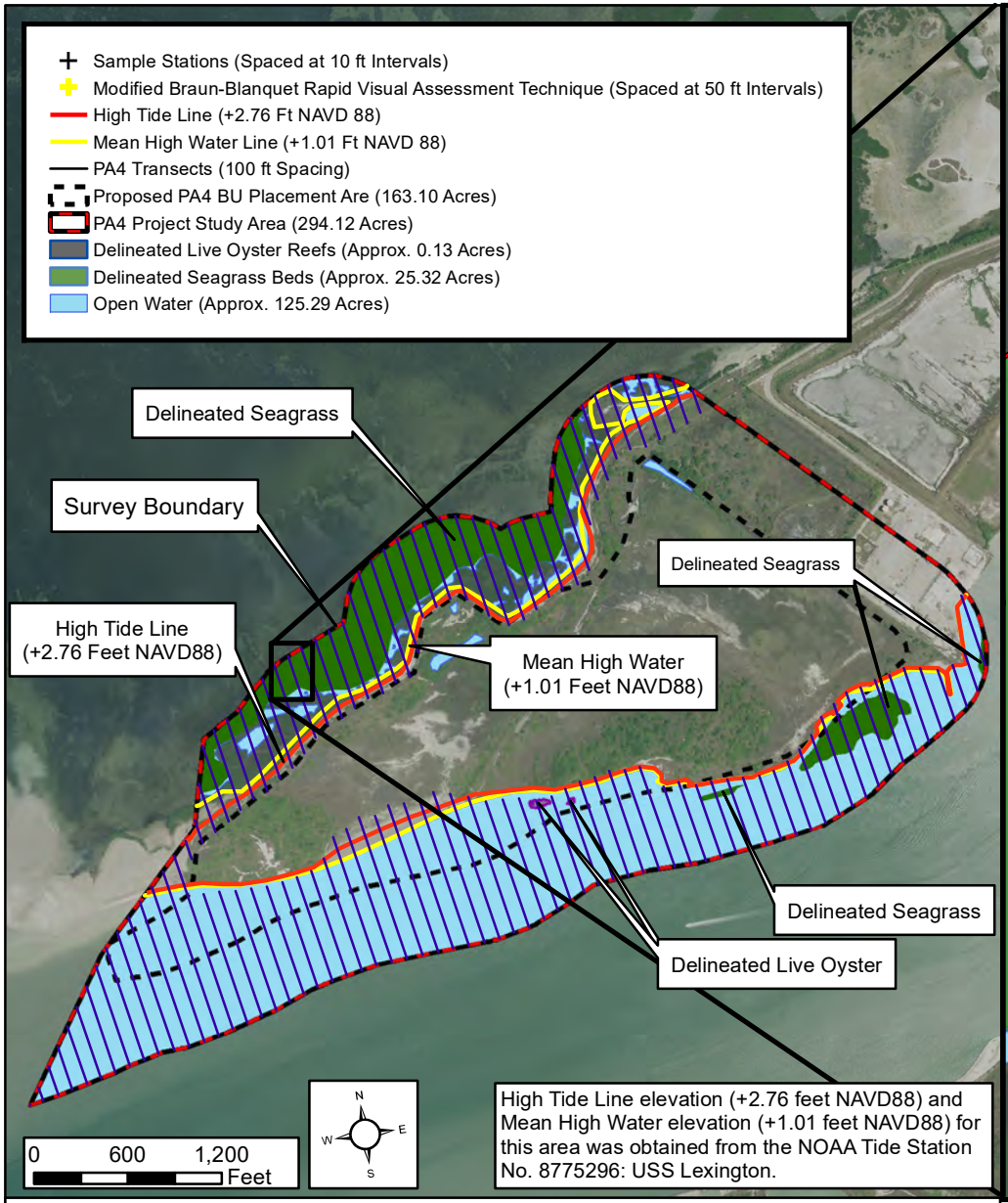
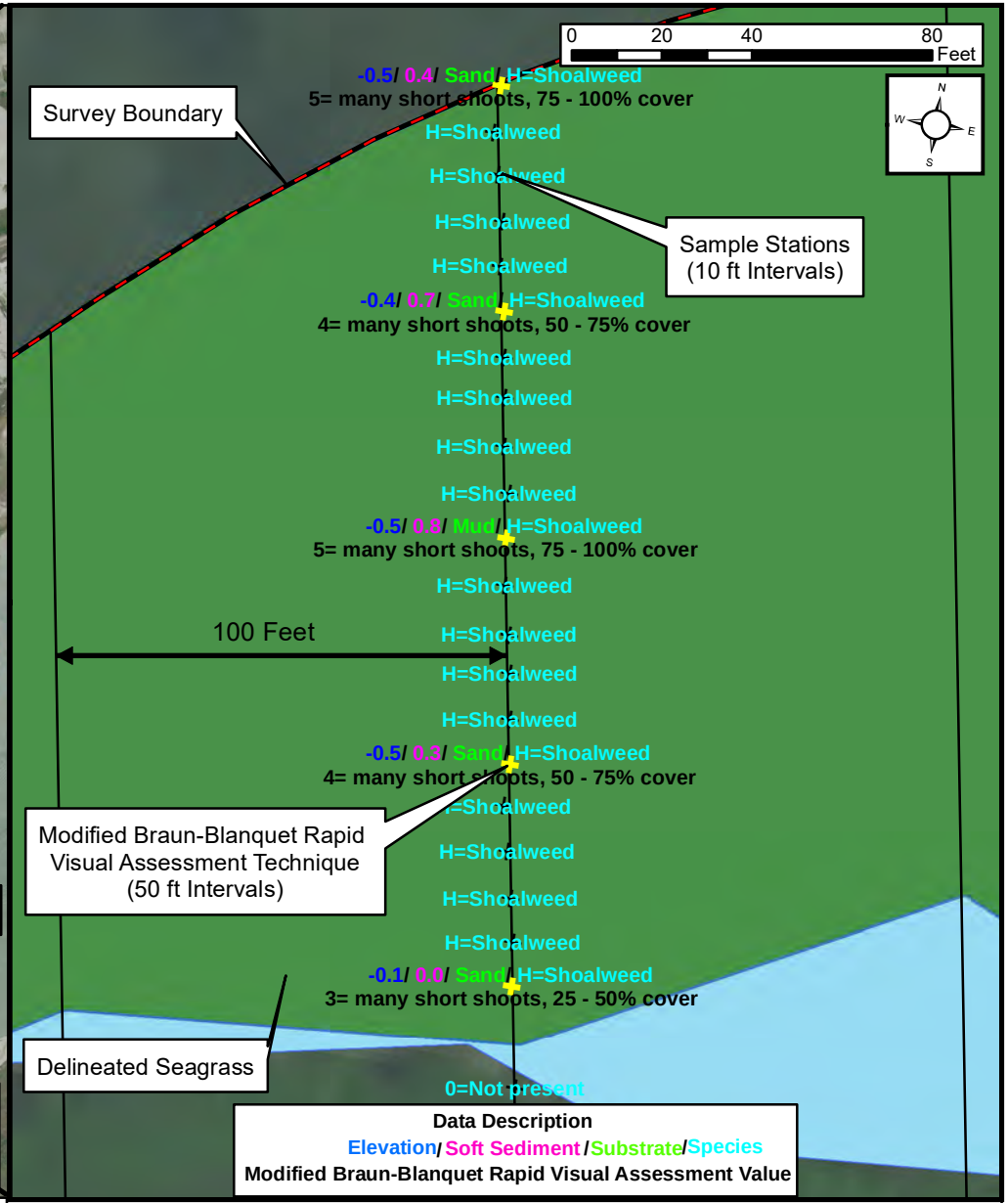
Corpus Christi, Texas 78401

Map Notes
-Base Map Source: Image obtained from TNRIS; NAIP 2020.
-BU Placement Area boundary and shapefiles for SS1, SS2, & HI-E were provided by the Port of Corpus Christi Authority.
-Shapefile for PA4 obtained from the U.S. Army Corps of Engineers.
-HTL elevation (+2.76 Feet NAVD88) & MHW elevation (+1.01 Feet NAVD88) for this area was obtained from the NOAA Tide Station No. 8775296: USS Lexington.
-Map preparation date: October 28, 2021 (JW).

Figure 3.
PA4 Aquatic Survey Data View Map





Aquatic Resources Survey
Data View Map - PA4
Corpus Christi Ship Channel Deepening Project
(SWG-2019-00067)

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Map Notes:
For planning and permitting purposes only, not for construction.
Map Preparation Date: October 29, 2021 (RKW).
Base Map Source:United States Department of Agriculture (USDA).
Texas NAIP Imagery, 2020-04-01. Web. 2021-05-16.

Figure 4.
SS1 Aquatic Survey Overview Map