

Figure S1. Differences in vegetation cover before and after the pipeline construction where (A) shows the vegetation cover before the pipeline construction (April 2017); (B) April 2019; (C) August 2019; (D) April 2020; and (E) August 2020.

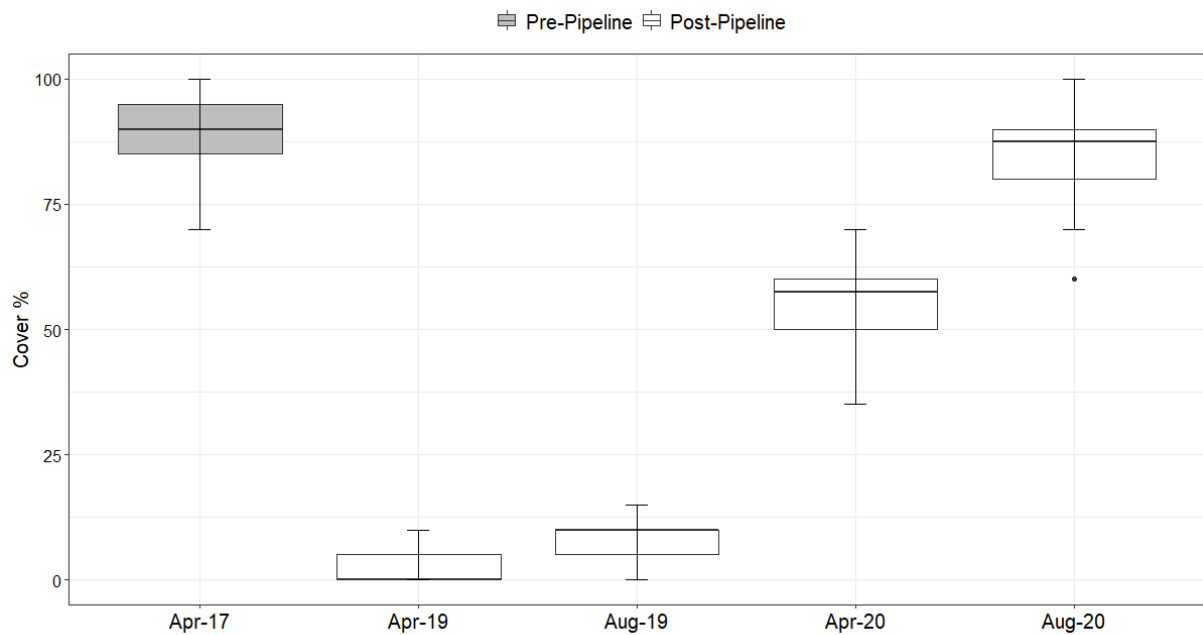


Figure S2. Differences in cover percentage between the five sampling events (pre-pipeline construction in grey and post-pipeline construction in white). Letters above the boxes indicate significant differences based on Tukey's HSD at the $p < 0.05$ threshold.

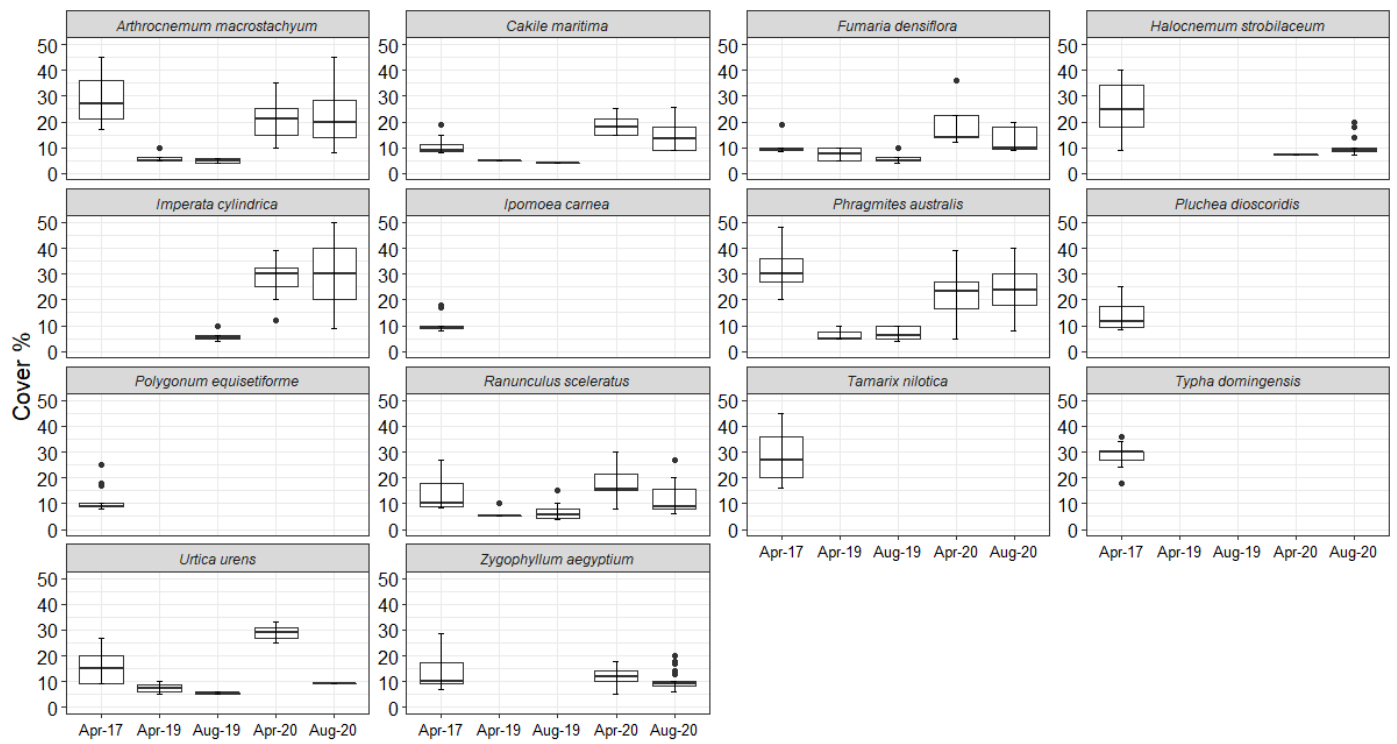
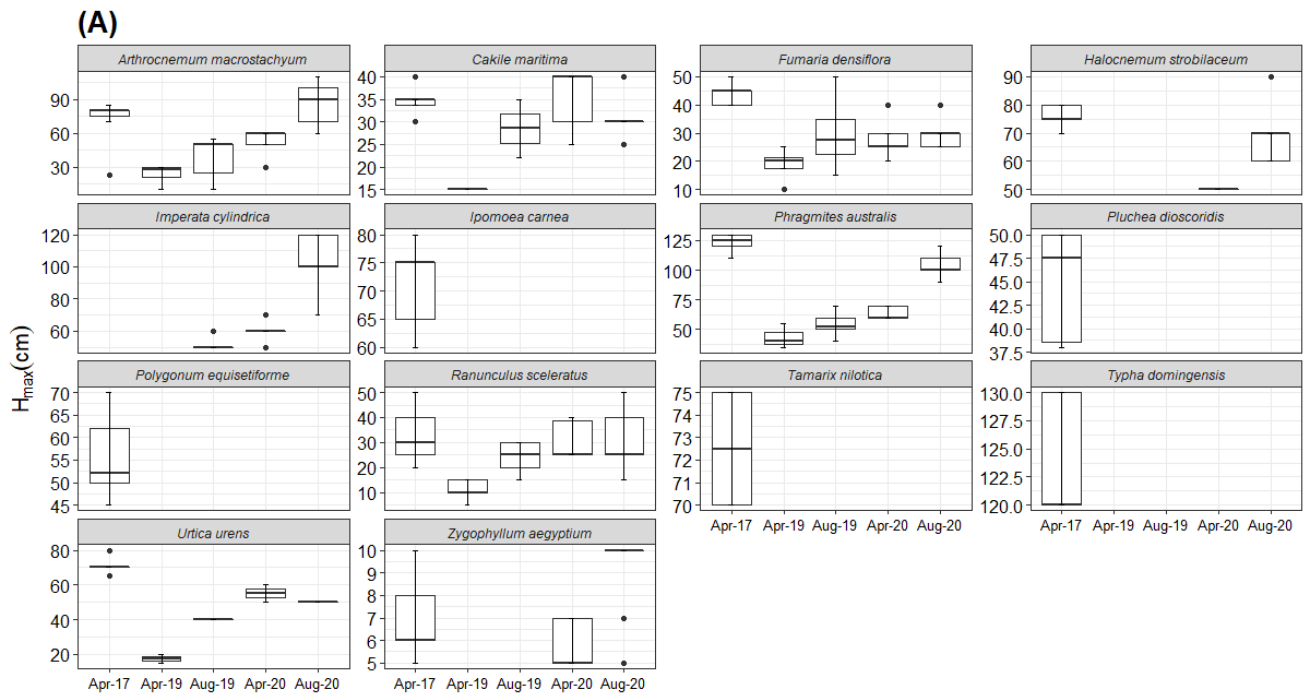


Figure S3. Differences in total species cover percentages per plot for the five sampling events (before and after the megaproject).



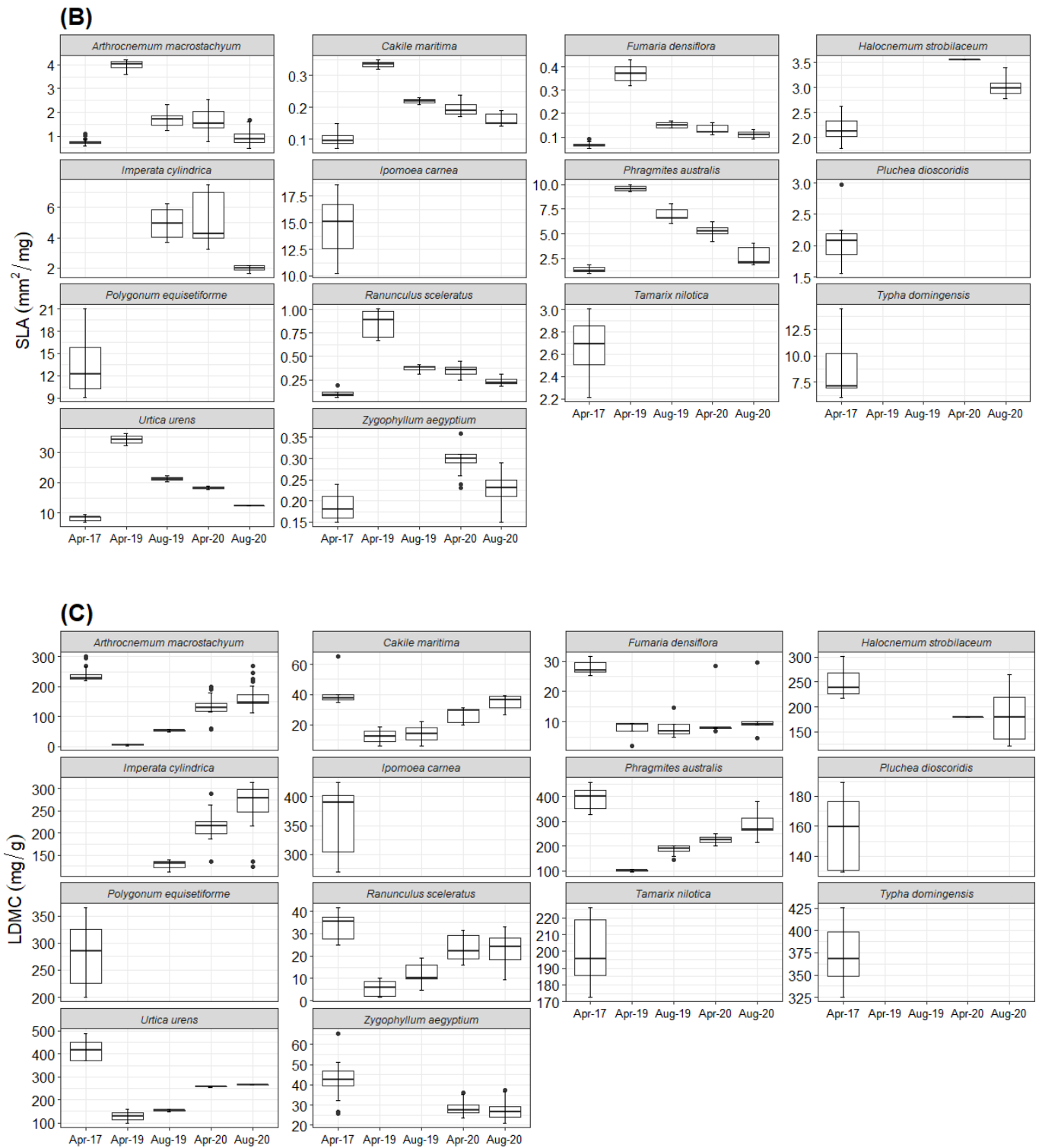


Figure S4. Differences of plant functional traits between species for the five sampling events (before and after the project) in (A) maximum plant height (H_{\max}), (B) specific leaf area (SLA), and (C) leaf dry matter content (LDMC).

Table S1. ANOVA output for differences in maximum plant height (H_{\max}), specific leaf area (SLA), and leaf dry matter content (LDMC) between the 14 recorded species for the five sampling events.

Species	H_{\max}			SLA			LDMC		
	<i>F</i>	df	<i>P</i>	<i>F</i>	df	<i>P</i>	<i>F</i>	df	<i>P</i>
<i>Arthrocnemum macrostachyum</i> (Moric.) C, Koch	40.5	118	<0.001	121.3	118	<0.001	119.3	118	<0.001
<i>Cakile maritima</i> Scop.	6.165	17	<0.01	42.71	17	<0.001	7.97	17	<0.001
<i>Fumaria densiflora</i> DC.	9.74	23	<0.001	133.9	23	<0.001	13.73	23	<0.001
<i>Halocnemum strobilaceum</i> (Pall.) Bieb.	17.56	35	<0.001	86.91	35	<0.001	15.4	35	<0.001
<i>Imperata cylindrica</i> (L.) P. Beauv.	203	81	<0.001	114.5	81	<0.001	57.25	81	<0.001
<i>Ipomoea carnea</i> Jacq.	-	-	-	-	-	-	-	-	-
<i>Phragmites australis</i> (Cav.) Trin. ex Steud.	335.1	80	<0.001	282.9	80	<0.001	111	80	<0.001
<i>Pluchea dioscoridis</i> (L.) DC.	-	-	-	-	-	-	-	-	-
<i>Polygonum equisetiforme</i> Sibth. & Sm.	-	-	-	-	-	-	-	-	-
<i>Ranunculus sceleratus</i> L.	15.2	91	<0.001	310.6	91	<0.001	51.43	91	<0.001
<i>Tamarix nilotica</i> (Ehrenb.) Bunge	-	-	-	-	-	-	-	-	-
<i>Typha domingensis</i> Pers.	-	-	-	-	-	-	-	-	-
<i>Urtica urens</i> L.	66.02	12	<0.001	186.1	12	<0.001	31.96	12	<0.001
<i>Zygophyllum aegyptium</i> A. Hosny	67.33	97	<0.001	81.83	97	<0.001	93.64	97	<0.001

Table S2. The coefficient of variation (cv) of the maximum plant height (H_{\max}), specific leaf area (SLA), and leaf dry matter content (LDMC) for each species at each of the five sampling events (before and after the project).

Species	Date	The Coefficient of Variation (cv)		
		H_{\max}	SLA	LDMC
<i>Arthrocnemum macrostachyum</i>	April 2017	24.86	16.25	8.94
<i>Arthrocnemum macrostachyum</i>	April 2019	39.85	6.81	51.06
<i>Arthrocnemum macrostachyum</i>	August 2019	41.99	19.45	5.31
<i>Arthrocnemum macrostachyum</i>	April 2020	12.10	27.65	28.10
<i>Arthrocnemum macrostachyum</i>	August 2020	21.18	27.99	22.42
<i>Cakile maritima</i>	April 2017	9.32	25.01	24.66
<i>Cakile maritima</i>	April 2019	0.00	6.33	74.13
<i>Cakile maritima</i>	August 2019	32.25	6.43	81.50
<i>Cakile maritima</i>	April 2020	20.20	14.01	20.60
<i>Cakile maritima</i>	August 2020	17.67	13.38	15.79
<i>Fumaria densiflora</i>	April 2017	7.76	19.16	7.73
<i>Fumaria densiflora</i>	April 2019	33.55	12.85	49.05
<i>Fumaria densiflora</i>	August 2019	49.07	9.83	50.85
<i>Fumaria densiflora</i>	April 2020	27.08	16.42	78.91
<i>Fumaria densiflora</i>	August 2020	20.41	14.37	78.56
<i>Halocnemum strobilaceum</i>	April 2017	4.92	10.53	11.14
<i>Halocnemum strobilaceum</i>	April 2019	-	-	-
<i>Halocnemum strobilaceum</i>	August 2019	-	-	-
<i>Halocnemum strobilaceum</i>	April 2020	-	-	-
<i>Halocnemum strobilaceum</i>	August 2020	10.89	5.85	26.10
<i>Imperata cylindrica</i>	April 2017	-	-	-
<i>Imperata cylindrica</i>	April 2019	-	-	-
<i>Imperata cylindrica</i>	August 2019	8.11	19.99	7.12
<i>Imperata cylindrica</i>	April 2020	7.94	30.21	15.60
<i>Imperata cylindrica</i>	August 2020	12.43	8.05	16.51
<i>Ipomoea carnea</i>	April 2017	9.48	17.07	13.97
<i>Ipomoea carnea</i>	April 2019	-	-	-
<i>Ipomoea carnea</i>	August 2019	-	-	-
<i>Ipomoea carnea</i>	April 2020	-	-	-

<i>Ipomoea carnea</i>	August 2020	-	-	-
<i>Phragmites australis</i>	April 2017	6.32	19.79	11.14
<i>Phragmites australis</i>	April 2019	24.02	4.03	4.45
<i>Phragmites australis</i>	August 2019	14.11	9.55	9.34
<i>Phragmites australis</i>	April 2020	7.55	9.13	5.95
<i>Phragmites australis</i>	August 2020	6.56	29.40	14.94
<i>Pluchea dioscoridis</i>	April 2017	12.79	17.98	15.24
<i>Pluchea dioscoridis</i>	April 2019	-	-	-
<i>Pluchea dioscoridis</i>	August 2019	-	-	-
<i>Pluchea dioscoridis</i>	April 2020	-	-	-
<i>Pluchea dioscoridis</i>	August 2020	-	-	-
<i>Polygonum equisetiforme</i>	April 2017	12.95	23.96	18.88
<i>Polygonum equisetiforme</i>	April 2019	-	-	-
<i>Polygonum equisetiforme</i>	August 2019	-	-	-
<i>Polygonum equisetiforme</i>	April 2020	-	-	-
<i>Polygonum equisetiforme</i>	August 2020	-	-	-
<i>Ranunculus sceleratus</i>	April 2017	25.76	37.64	16.14
<i>Ranunculus sceleratus</i>	April 2019	30.00	15.59	59.39
<i>Ranunculus sceleratus</i>	August 2019	22.46	8.85	40.19
<i>Ranunculus sceleratus</i>	April 2020	22.42	15.07	24.15
<i>Ranunculus sceleratus</i>	August 2020	31.86	16.52	28.55
<i>Tamarix nilotica</i>	April 2017	3.69	11.31	10.61
<i>Tamarix nilotica</i>	April 2019	-	-	-
<i>Tamarix nilotica</i>	August 2019	-	-	-
<i>Tamarix nilotica</i>	April 2020	-	-	-
<i>Tamarix nilotica</i>	August 2020	-	-	-
<i>Typha domingensis</i>	April 2017	3.70	27.66	8.72
<i>Typha domingensis</i>	April 2019	-	-	-
<i>Typha domingensis</i>	August 2019	-	-	-
<i>Typha domingensis</i>	April 2020	-	-	-
<i>Typha domingensis</i>	August 2020	-	-	-
<i>Urtica urens</i>	April 2017	6.63	11.98	11.31
<i>Urtica urens</i>	April 2019	20.20	8.58	32.56
<i>Urtica urens</i>	August 2019	0.00	7.16	4.44
<i>Urtica urens</i>	April 2020	12.86	4.83	1.32
<i>Urtica urens</i>	August 2020	-	-	-
<i>Zygophyllum aegyptium</i>	April 2017	25.69	15.43	17.25
<i>Zygophyllum aegyptium</i>	April 2019	-	-	-
<i>Zygophyllum aegyptium</i>	August 2019	-	-	-
<i>Zygophyllum aegyptium</i>	April 2020	17.20	13.84	11.08
<i>Zygophyllum aegyptium</i>	August 2020	9.42	13.47	14.57