



City of San Marcos/Texas State University

Texas wild-rice/SAV 2017 Work Plan Amendment

Implementing Committee

August 17th, 2017



Table 34 continued. Proposed restoration timeline designed to meet the Combined proposed HCP aquatic vegetation goals (*including Texas wild rice*) over time in the San Marcos system.

Reaches	Species	Meters squared of aquatic vegetation (m ²)			HCP Term Timeline*												Total
		Current (Dec 2015)	Goal	Needed	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	
Restoration Reaches																	
Sewell Park	<i>Ludwigia</i>	0	25	25												25	25
	<i>Cabomba</i>	14	25	11												15	15
	<i>Potamogeton</i>	116	150	34	40												40
	<i>Sagittaria</i>	2	25	23						10	15						25
	<i>Hydrocotyle</i>	0	10	10						5	5						10
	<i>Zizania</i>	1,169	1,100	0													0
Below Sewell to City Park	<i>Ludwigia</i>	0	50	50								15	15	15	5	50	
	<i>Cabomba</i>	0	50	50								15	15	15	5	50	
	<i>Potamogeton</i>	172	500	328								50	75	75	75	55	330
	<i>Sagittaria</i>	727	700	0													0
	<i>Hydrocotyle</i>	5	20	15								5	5	5		15	
	<i>Zizania</i>	2,247	2,300	53								25		15	15		55
Hopkins St - Snake Island	<i>Ludwigia</i>	0	50	50									10	10	15	15	50
	<i>Cabomba</i>	0	50	50									10	10	15	15	50
	<i>Potamogeton</i>	269	475	206	50								20	20	55	65	210
	<i>Sagittaria</i>	620	750	130	50								20	20	20	20	130
	<i>Hydrocotyle</i>	0	10	10									5	5		10	
	<i>Zizania</i>	693	950	257	35						50	35	35	35	35	35	260
Cypress Island - Rio Vista Dam	<i>Ludwigia</i>	0	50	50	10	10	10	10	10							50	
	<i>Cabomba</i>	0	50	50	10	5	5	5	5	5	5	5	5			50	
	<i>Potamogeton</i>	0	150	150	15	10	10	25	10	20	20			25	15	150	
	<i>Sagittaria</i>	5	50	45	15	5	5	5	5	5	5					45	
	<i>Hydrocotyle</i>	0	0	0												0	
	<i>Zizania</i>	122	350	228	50	50	50	25	25	25	5					230	
I35 expanded	<i>Ludwigia</i>	8	50	42		10	10	10	12							42	
	<i>Cabomba</i>	33	100	67		25	25	10	10							70	
	<i>Potamogeton</i>	0	250	250		30	25	25	25	50	20			25	25	250	
	<i>Sagittaria</i>	355	450	95		25	25	10	10	10	15					95	
	<i>Hydrocotyle</i>	0	50	50					10	10	5			10	10	50	
	<i>Zizania</i>	57	450	393		50	50	50	50	50	50	50	45			395	
Additional Texas wild-rice Reaches																	
Spring Lake	<i>Zizania</i>	31	1,000	969	50	100	100	100	100	100	100	100	100	100	20		970
Below I35	<i>Zizania</i>	0	280	280		20	20	30	30	30	30	30	30	30	30		280

* Light grey shaded boxes with no numbers will still require aquatic gardening, plant propagation and supplemental plantings to support maintaining the goals over time.

ASSUMPTIONS:

- 1) Restoration efforts will proceed smoothly with no major setbacks or resets such as floods, dam repairs, etc.
- 2) Anthropogenic factors such as recreational disturbances and urban runoff are managed.
- 3) Concurrent aquatic plant propagation, gardening, and maintenance will occur throughout the HCP timeline.
- 4) Non-native vegetation removal (and replacement with natives) will occur in certain areas outside of the LTBG and Restoration reaches in order to mitigate reestablishment on non-natives.
- 5) No significant interruptions due to HCP Provision M.
- 6) Propagation rates remain sufficient to replace denuded area of non-native aquatic vegetation
- 7) Mapping to compare against goals will be conducted annually each Fall.