

EAHCP 2016-2019 APPLIED RESEARCH PROJECT PRIORITIZATION MATRIX

Measures	Both Systems								Comal			San Marcos	Flow Protection Measures		
	Mgmt. Golf Course	Mgmt. Public Recreation	Control Litter & Floating Veg	Control Non-Native Plant Species/Control Non-Native Harmful/Predator Species	Riparian Restoration	SAV Restoration, Maintenance, & TWR Enhancement & Restoration	Invasive Animal Removal/Reduce Non-Native Introduction	Sediment Removal & Sessom Creek Sand Bar Removal	Flow-Split	Decaying Veg Removal & DO Mgmt.	Gill Parasites	Designation of Permanent Access Points/Bank Stabilization	VISPO & ASR	RWCP	Critical Period
1. Conservation measures	Evaluate success?	Evaluate success?	Evaluate success?	Evaluate success?	Evaluate success?	Evaluate success?	Evaluate success?	Evaluate success?	Evaluate success?	Evaluate success?	Evaluate success?	Evaluate success?	Evaluate success?	Evaluate success?	Evaluate success?
	Maybe	Yes	No	No	Maybe	Yes	Yes	Yes	Yes	Maybe	No	Maybe			
		Establishing the effectiveness of SSAs would provide support for Comal efforts		As long as captured under other Conservation Measures...	Western shoreline--spring run 3...cost effectiveness? Not all riparian areas created equally	Confirm species-specific Tables 4-1, 4-21?	Modeling to project necessary intensity of removal efforts, identify trigger thresholds	But--sedimentation a natural process...sort out anthropogenic sources.	Maybe in Bio-Monitoring Program	Beyond HCP Needs		Construction Impacts on Species	Hydro Modeling	Hydro Modeling	Hydro Modeling
					Is TWR expanding on its own? Indirect benefits may offset need for gardening efforts...		Cost-effectiveness if Sand Bar Returns Cyclically... Bio Gain?								
Species	Inverts - Spring Dwellers			Invertebrates - Aquifer Dwellers		Salamanders			Fish		Flora				
	Comal Springs Riffle Beetle	Peck's Cave Amphipod	Comal Springs Dryopid Beetle	Texas Troglitic Water Slater	Edwards Aquifer Diving Beetle	Texas Blind Salamander	Comal Springs Salamander	San Marcos Salamander	San Marcos Gambusia	Fountain Darter	Texas Wild-rice				
2. Standard sampling methods	Yes	Yes	Yes	No	No	Yes	No	Yes	No	No	No				
Species	Comal Springs Riffle Beetle	Peck's Cave Amphipod	Comal Springs Dryopid Beetle	Texas Troglitic Water Slater	Edwards Aquifer Diving Beetle	Texas Blind Salamander	Comal Springs Salamander	San Marcos Salamander	San Marcos Gambusia	Fountain Darter	Texas Wild-rice				
	Little known--but in progress	"Some" known	Very little known	Very little known	Very little known	Many gaps in knowledge	Many gaps in knowledge	Fewer gaps in knowledge	N/A	Much is known	Much is known				
3. Habitat quality and requirements	Comal Springs Riffle Beetle	Peck's Cave Amphipod	Comal Springs Dryopid Beetle	Texas Troglitic Water Slater	Edwards Aquifer Diving Beetle	Texas Blind Salamander	Comal Springs Salamander	San Marcos Salamander	San Marcos Gambusia	Fountain Darter	Texas Wild-rice				
	Stat analysis?	Stat analysis?	Stat analysis?	Stat analysis?	Stat analysis?	Stat analysis?	Stat analysis?	Stat analysis?	Stat analysis?	Stat analysis?	Stat analysis?				
4. Data analysis <i>If funds allow, will do review of all species. If funds are limited, this would serve as a prioritization (database, then identify analyses, with two categories--trends, then specific studies)</i>	Yes	Yes	Yes	No	No	Yes	No	Yes	No	Yes	Yes				
System/Habitat Type	San Marcos				New Braunfels										
	Rio Vista to IH 35	Below Sewell	Above Sewell	Spring Lake	New Channel	Old Channel	Landa Lake	Upper Spring Run	Spring Runs 1-3						
5. System memory/Disturbance ecology <i>(comparisons between baseline controls and reference sites, e.g., BAC)</i>	Stat analysis?	Stat analysis?	Stat analysis?	Stat analysis?	Stat analysis?	Stat analysis?	Stat analysis?	Stat analysis?	Stat analysis?						
		Yes	Yes			Yes	Yes			CSRB high priority, as impacted first, and most frequently					

Legend
 indicates project is high priority.

DRAFT