

**2017 Adaptive Management Processes:
COSM 5.7.4- Minimizing Impacts of Contaminated Runoff
COSM/TXSTATE 5.3.6/5.4.4/5.7.6 – Sediment Removal/Impervious Cover-Water Quality Protection**

	Conservation Measure	Requirements in the HCP	Process to Change	Anticipated results of AMP	HCP Commitment	CoSM Commitment	319 Commitment	Rationale/Comments/Process
HCP § 5.7.4 (CoSM)	Minimizing Impacts of Contaminated Runoff	1. Veramendi Park - Sedimentation Pond located beside Hopkins Street bridge - Not yet begun 2. Sedimentation pond at Hopkins Street drainage ditches (#1 and #2) - Not yet begun	Adaptive Management	1. “Downtown” sedimentation pond. AKA “Hutchinson Retrofit” - CoSM constructed. - Needs design of drainage, construction of drainage, and landscaping 2. Biofiltration pond in City Park . - Needs final excavation, construction, landscaping, design	<ul style="list-style-type: none"> • \$8,000: design in Spring 2017 • 2016 - \$30,000 • \$12,000: design in Spring 2017 and construction oversight • Delta of construction cost, not to exceed \$100,000 	<ul style="list-style-type: none"> • N/A • \$178,000: construction in 2017, as soon as design is complete 	<ul style="list-style-type: none"> • \$85,000: construction in Sept 2017 • N/A 	<ul style="list-style-type: none"> • Leverages existing investment from COSM Parks/Recreation and Engineering/CIP departments - completes ponds already under construction. • Both replacement ponds are designed for highest pollutant load reduction. • “Downtown” pond reduces contaminated runoff from a fully developed (100% high impervious cover) area that is adjacent to the river. • City Park pond reduces contaminated runoff from the new Rec Hall and existing Bobcat stadium parking lots. • Dependent upon all groups, committees, processes approvals.
HCP § 5.3.6 & HCP § 5.4.4 (CoSM/TXST)	Sediment Removal	1. City Park 2. Veramendi Park - X 3. Bicentennial Park 4. Rio Vista Park 5. Ramon Lucia Park - X 6. Spring Lk and Dam - X 7. Sessoms Sandbar – X X = not begun	Adaptive Management	Combine Sediment Removal and Impervious Cover/Water Quality Protection into one conservation measure that includes a prioritized list of BMPs within the upper San Marcos River watershed that control sediment and other contaminated runoff. Utilize the HCP Science Committee to prioritize the list of projects in the WPP and WQPP.	<ul style="list-style-type: none"> • Not to exceed \$1,500,000*: 1. Design of Sessoms BMPs in 2018 2. Construction of Sessoms BMPs, starting Spring 2019 3. Potential purchase of Sessoms property or conservation easement 	<ul style="list-style-type: none"> • CoSM staff engineer to participate in the prioritization of BMPs • \$2,000,000+: 1. Design of wastewater relocation and erosion/sediment control 2. Sessoms waste water line rehab and relocation Spring 2019 3. Construction of erosion control and sediment prevention BMPs, Spring 2019 	<ul style="list-style-type: none"> • fund design in 2018 for HCP BMP’s with any remaining funding • Work with HCP staff and HCP Science Committee through the prioritization of BMPs 	<ul style="list-style-type: none"> • Sediment Removal not cost effective – resource intensive. • Reduce sediment loading at the source. • BMP projects already identified in WQPP. • Leverage with Meadows 319 grant and COSM funding. • Leverage with CoSM infrastructure upgrades to Sessoms • Utilize remaining HCP WQ LID funding to implement • Dependent upon all groups, committees, processes approvals. <p>*The \$1,500,000 budget is subject to IC discussion and could be increased depending on overall budget discussions.</p>
HCP § 5.7.6 (CoSM)	Impervious Cover/Water Quality Protection	COSM will establish a program to protect WQ and reduce the impacts of impervious cover, such as through LID.						