

**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**

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