

**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  
2017**

|   | <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<br>(CoSM)                       | Minimizing Impacts of Contaminated Runoff | 1. <b>Veramendi Park</b> - Sedimentation Pond located beside Hopkins Street bridge<br>- Not yet begun<br><br>2. Sedimentation pond at <b>Hopkins Street</b> drainage ditches (#1 and #2)<br>- Not yet begun | Adaptive Management      | 1. <b>“Downtown”</b> sedimentation pond. AKA “Hutchinson Retrofit”<br>- CoSM constructed.<br>- Needs design of drainage, construction of drainage, and landscaping<br><br>2. Biofiltration pond in <b>City Park</b> .<br>- Needs final excavation, construction, landscaping, design   | <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 &<br>HCP § 5.4.4<br>(CoSM/TXST) | Sediment Removal                          | 1. City Park<br>2. Veramendi Park - X<br>3. Bicentennial Park<br>4. Rio Vista Park<br>5. Ramon Lucia Park - X<br>6. Spring Lk and Dam - X<br>7. Sessoms Sandbar – X<br><br>X = not begun                    | Adaptive Management      | 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.<br><br>Utilize the HCP Science Committee to prioritize the list of projects in the WPP and WQPP. | <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<br>(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.   |                          |  |   |  |  |  |

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