

**ADAPTIVE MANAGEMENT ACTIVITIES TABLE**  
**DEPARTMENT OF WATER RESOURCES**  
**SHERMAN ISLAND – WHALE’S MOUTH WETLAND RESTORATION PROJECT**

Goal	Measure	Adaptive Management Practice
<b>Tule Coverage</b> <ul style="list-style-type: none"> <li>- 10% coverage by year 2</li> <li>- 30% coverage by year 3</li> <li>- 50% coverage by year 4</li> <li>- 75% coverage by year 5</li> </ul>	Aerial photography will be used to determine the % vegetative cover within the wetland cells.	Based upon measurements, water levels within the cells will be manipulated to achieve optimal vegetative growth.
<b>Greenhouse Gas</b> <ul style="list-style-type: none"> <li>- Net GHG sequestration by end of year 3.</li> </ul>	Eddy Covariance measurements for CO <sub>2</sub> and CH <sub>4</sub> .	Based upon measurements, consultation with researchers will be conducted and a strategy to achieve goals will be implemented.
<b>Subsidence Reversal</b> <ul style="list-style-type: none"> <li>- Elevation gains on average of 1” per year over a 10 year period will be achieved.</li> </ul>	Survey elevations will be taken at specific points within the project area and annual elevation measurements will be obtained to determine accretion rates.	Based upon data, consider water level and Tule coverage options to maximize accretion rates.
<b>Invasive Plant Species</b> <ul style="list-style-type: none"> <li>- Limit invasive plant species within project site.</li> </ul>	Quarterly inspection of entire site by qualified personnel.	Work with PCA to determine appropriate herbicide treatment for invasive based upon field inspections. Evaluate health and coverage of intended ground covers and replant if needed.
<b>Avian Response</b> <ul style="list-style-type: none"> <li>- Increase in avian population and species varieties over baseline performance.</li> </ul>	Semi-annual bird surveys to determine both numbers and species variety within the project area.	Work with biologists to determine habitat response and changes needed to encourage improvements in both numbers and varieties.