

# Project Navigator's Sediments and Sludges Experience

Project Navigator's team has managed projects over the past five years where enormous volumes of impacted materials have been handled in a cost-effective manner.

In all these projects, we have strived to only excavate what is absolutely necessary to achieve protectiveness, thereby generating cost savings for our clients.



CASE STUDIES	Patrick Bayou Superfund Site <i>Deer Park, TX</i>	Newark Bay Federal Superfund Site <i>NJ/NY</i>	Malone Superfund Site <i>Texas City, TX</i>	Tex Tin Federal Superfund Site <i>Texas City, TX</i>	MAR Services Site Superfund Site <i>Cankton, LA</i>
DESCRIPTION	<ul style="list-style-type: none"> <li>3-mile long bayou at Houston ship channel with impacted sediments</li> </ul>	<ul style="list-style-type: none"> <li>Newark Bay is ~ 6 miles long and 1 mile wide with impacted sediments</li> </ul>	<ul style="list-style-type: none"> <li>150-acre former petroleum waste facility</li> <li>Numerous above ground storage tanks</li> <li>Underground injection wells</li> <li>Entire waste management facility is surrounded by a flood-protection levee</li> </ul>	<ul style="list-style-type: none"> <li>140-acre former tin smelter</li> <li>Historically significant, only tin smelter in U.S. during WWII</li> <li>Contaminants all inorganic; in soils, sediments, GW and waste</li> </ul>	<ul style="list-style-type: none"> <li>80-acre site</li> <li>3 major TPH-impacted sediment lagoons</li> <li>300,000 cu.yd. of waste to be managed</li> </ul>
PROJECT METRICS	<ul style="list-style-type: none"> <li>The volume of pollutants will be determined during the RI/FS</li> </ul>	<ul style="list-style-type: none"> <li>~3.3 MM cu. yd. of impacted material will need to be addressed</li> </ul>	<ul style="list-style-type: none"> <li>Stabilization and treatment of ~.5MM yds of sediments</li> <li>4-yr project</li> <li>Cost to be determined</li> </ul>	<ul style="list-style-type: none"> <li>9,600 cu.yd. of impacted sediments</li> <li>52,000 cu.yd. of acid pond sludges</li> </ul>	<ul style="list-style-type: none"> <li>\$5 MM design/build</li> <li>1.5-year construction schedule</li> </ul>
OUR ROLE	<ul style="list-style-type: none"> <li>PRP Group Coordinator</li> <li>Assist the group in AOC/SOW negotiations for the RI/FS</li> <li>Established and Environment Remediation Trust</li> <li>Group Fund Management</li> </ul>	<ul style="list-style-type: none"> <li>PRP Group Coordinator</li> <li>Data Analysis and Project Strategy Formation</li> <li>Group Fund Management</li> </ul>	<ul style="list-style-type: none"> <li>Project technical coordinator of PRP remediation organization</li> <li>Managing all aspects of RI/FS</li> <li>Data collection and analysis</li> <li>Contract negotiations</li> <li>EPA negotiations</li> <li>Constructive oversight</li> </ul>	<ul style="list-style-type: none"> <li>PRP Group Coordinator</li> <li>Leader of a remediate and dispose of sediments onsite, initiative</li> <li>Waste strengthening to permit further site development</li> </ul>	<ul style="list-style-type: none"> <li>Bidding</li> <li>Contractor selection</li> <li>Design/construction oversight</li> <li>Scope negotiations</li> <li>QA/QC</li> </ul>
LESSONS LEARNED	<ul style="list-style-type: none"> <li>Proactive communications with city, elected officers, and the community</li> <li>Developed an innovative risk-transfer approach to evaluate risk management options</li> </ul>	<ul style="list-style-type: none"> <li>Identify and manage risk</li> </ul>	<ul style="list-style-type: none"> <li>Identify and manage risk</li> <li>Rigorous cost and schedule controls</li> <li>Communicate</li> <li>Motivate/lead under contract conditions</li> </ul>	<ul style="list-style-type: none"> <li>Negotiate a flexible performance-based scope of work</li> </ul>	<ul style="list-style-type: none"> <li>Volume scope creep</li> <li>Change order management</li> </ul>