

WESTSIDE CREEKS ECOSYSTEM RESTORATION

Appendix G: Hazardous, Toxic and Radioactive Waste

HAZARDOUS, TOXIC AND RADIOACTIVE WASTE TECHNICAL APPENDIX

The US Army Corps of Engineers, Fort Worth District, (USACE) awarded a Task Order to Gulf South Research Corporation, Inc. (GSRC) to conduct a Phase I Environmental Site Assessment (ESA) for all study areas in the West Side Creek (WSC) Project. As required by the performance work statement, GSRC conducted the ESA in accordance with ASTM E1527-05. The purpose of the ESA was to assess the environmental condition of the proposed project areas and to identify actual or potential environmental contamination within the WSC project area.

The ESA addressed the following WSC areas, see Figure 1:

- San Pedro Creek (SP) - from its confluence with the San Antonio River to the Camp Street bridge crossing, approximately 2.4 miles.
- Apache Creek (AP) - from its confluence with San Pedro Creek to Southwest 19th Street bridge crossing, approximately 2.7 miles.
- Alazán Creek (AL) - from its confluence with Apache Creek to the Josephine Tobin Drive South bridge crossing, approximately 3.3 miles.
- Martinez Creek (MA) - from its confluence with Alazán Creek to the Hildebrand Avenue bridge crossing, approximately 2.7 miles.

The ESA also included an Environmental Data Resources, Inc. (EDR) database report which identifies areas having reported spills and or current activities which could result in contaminated areas.

On 22 October 2012 GSRC, USACE and San Antonio River Authority representatives met on-site at an abandoned railroad yard which the EDR database indicated could be a site of potential contamination. From that site they proceeded along the San Pedro Creek to its confluence with the San Antonio River. The project delivery team (GSRC and USACE personnel, i.e. the PDT) then proceeded to assess the remaining creeks.

During each assessment the PDT visually inspected each stream corridor for any significant readily visible indicators of adverse environmental conditions, such as soil or water staining or sheens, dead or distressed vegetation, discarded barrels or other chemical containers, and debris and trash.


The PDT also inspected properties adjacent to the stream corridors, to the extent possible from outside the property boundaries, for any visible potential sources of environmental contamination or risk to the stream corridors. When necessary the PDT interviewed available owners or managers of suspect adjacent properties to clarify any environmental conditions observed.

The PDT took photographs of the stream corridors, any environmental conditions observed, and any suspect adjacent properties. All photographs are referenced to aerial photography of each stream corridor and are included in the ESA report for each creek. There are four ESA reports; they are not included in this appendix.




Figure 1

**Westside Creeks
Ecosystem Restoration HTRW Area
San Antonio, TX**



SAN ANTONIO
RIVER AUTHORITY
Water Brings Us Together



**US Army Corps
of Engineers**
Fort Worth District

Project: Westside Creeks
 Project: Nova Robbins
 Section: CSDWR-PR-10-10
 Date: October 30, 2012
 Author: Lucas Daniels
 Location: New/retapp10CvH
 San_Antonio_Prc_Blen
 Westside_CreekConceptual/MSD

0 0.25 0.5 1 1.5 2 Miles

Figure 1. Westside Creeks Ecosystem Restoration HTRW Area

The ESA results are summarized as follows:

Alazán Creek, Apache Creek and Martinez Creek. The PDT did not observe any recognized environmental conditions (RECs) on the project area or RECs on adjacent properties with a potential to migrate into or affect the project area, and no historical records searched indicated any other environmental concerns for the subject property. No additional assessments or studies for hazardous and toxic substances or waste are recommended for these properties based on this information.

San Pedro Creek. The PDT observed a REC on an adjacent property with potential to migrate into the project area, and historical records searched indicated environmental concerns for the subject property. Figure 1 shows the approximate location of this site. Since the WSC project construction will not disturb the east creek bank in the vicinity of the Sloan Market Yard site additional assessment is not recommended.

However, if future activities will disturb the east creek bank it is recommended that an additional assessment for hazardous and toxic substances or waste be conducted focused on characterizing any materials that would be disturbed by such activities. This additional assessment, if required, should focus on soils and potential for affecting impacts from contaminated groundwater (if any) to the stream that might be affected by the activities.

The ESA contractor has reported that historical aerial photos indicate activities suggesting the site was in full operation as a railroad yard as late as 1985, and some related activities continued until 1995.

A TCEQ closure report put Activity and Use Limitations on the property as a condition of closure due to the presence of VOCs and metals in the groundwater and soils, indicating the possibility of subsurface contamination along San Pedro Creek.