



Carswell/Plant 4

FINAL RCRA FACILITY INVESTIGATION REPORT SWMU 53 STORMWATER DRAINAGE SYSTEM

Restoration Advisory Board Executive Summary #28 • May 10, 2001

INTRODUCTION

Naval Air Station Fort Worth Joint Reserve Base (NAS Fort Worth JRB), formerly Carswell Air Force Base (AFB), is in the process of planning and conducting activities for the identification, remediation, and closure of contaminated sites at the base through the Installation Restoration Program (IRP). The IRP is the primary mechanism of the Department of Defense for environmental response actions on U.S. Air Force installations. IRP activities are governed by provisions of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA), the Resource Conservation and Recovery Act (RCRA), and other applicable federal and state regulations. The IRP at NAS Fort Worth JRB is being conducted through the combined efforts of the Air Force Center for Environmental Excellence (AFCEE) and the Air Force Base Conversion Agency (AFBCA).

PROJECT BACKGROUND

On February 7, 1991, the former Carswell AFB (NAS Fort Worth JRB) was issued a RCRA Hazardous Waste permit (HW-50289) by the Texas Water Commission. This permit requires a RCRA Facility Investigation (RFI) of all Solid Waste Management Units (SWMU) and Areas of Concern (AOC) listed in Permit Provisions VIII, as well as those SWMUs and AOCs subsequently added to the list, in order to determine whether any of the

hazardous constituents listed in 10 CFR Part 264, Appendix IX, have been released into the environment. SWMU 53 was added into the permit requirement for Corrective Action in a Texas Natural Resource Conservation Commission (TNRCC) letter dated March 2, 1995.

SWMU 53 is an unlined stormwater drainage ditch which historically received discharges from SWMUs 49 and 50, former aircraft wash racks. Currently, SWMU 53 receives waste water discharge from the Building 1190 Oil Water Separator (OWS) (SWMU 52). Discharge from SWMU 52 includes waste water from Hangar 1048, which houses the fuel system shop. SWMU 53 also receives waste water from the flightline and hangar areas, and the Petroleum, Oils, and Lubricants (POL) tank farm. Storm water runoff may include traces of fuels, oils, pesticides, and solvents used on base. The location of SWMU 53 in relation to the base is illustrated in Figure 1.

RCRA FACILITY INVESTIGATION FINDINGS

The RFI was designed and conducted to determine if a release from SWMU 53 has occurred and, if contamination was encountered, the nature and extent of the contamination. In order to determine if SWMU 53 presents a threat to human health or the environment, essential information was obtained. This information includes the lithology of soils to the top of the water

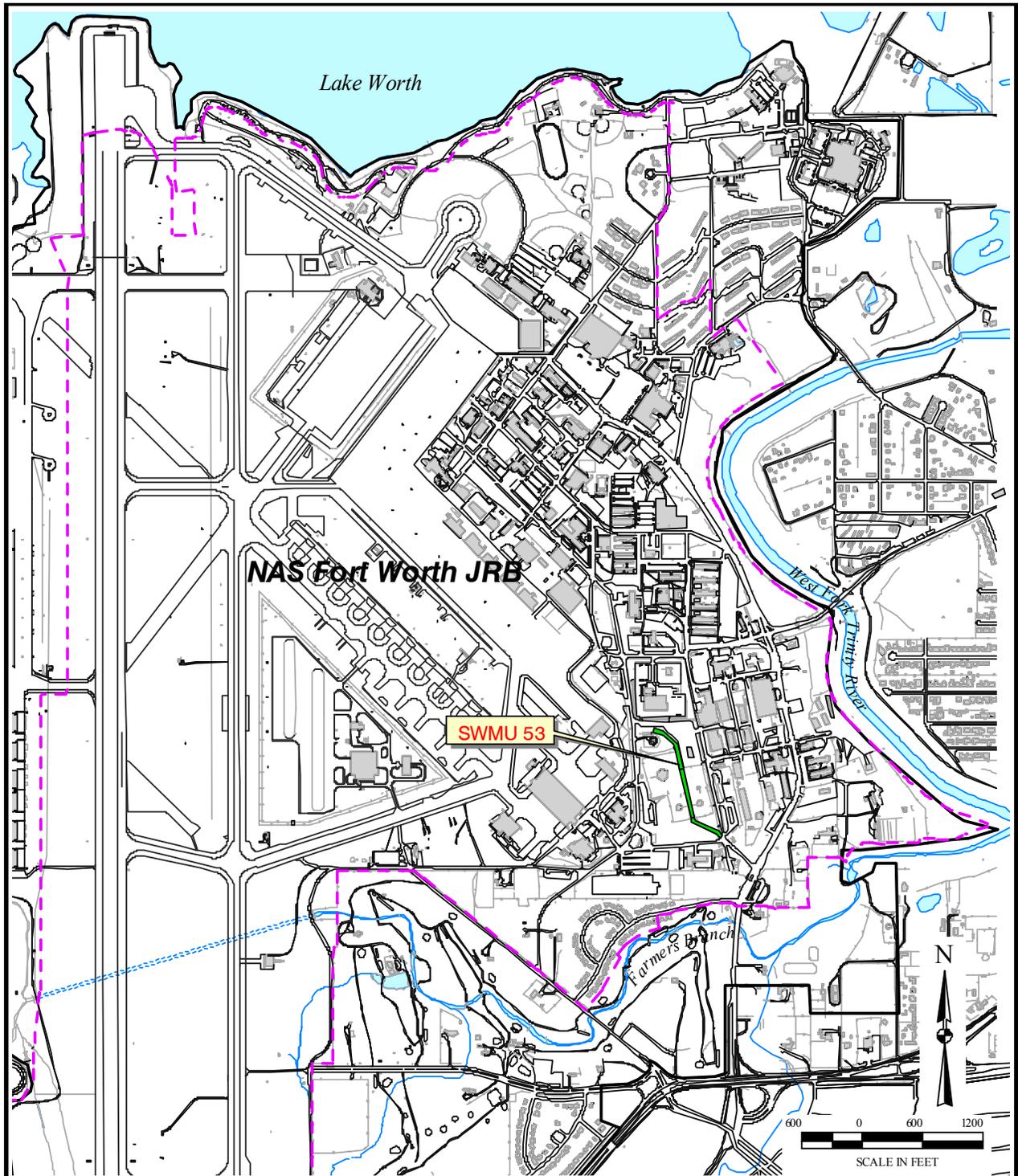
table beneath each site, the nature of wastes stored at each site, and an assessment of potential contaminant impacts on the quality of soil within and around SWMU 53.

Field tasks included advancing continuous-core direct push technology (DPT) soil borings in order to collect soil samples at each site. Soil samples were collected from each soil boring in 5-foot intervals from the ground surface to the top of the water table in order to determine the nature and extent of any surface and subsurface contamination. No evidence of contamination was encountered at the subject sites during the initial soil investigation, and as a result, no further sampling will be conducted.

The results of this RFI are contained in the RFI Report which demonstrates that SWMU 53 poses no significant risk to human health or the environment and provides justification for no further action (NFA) and closure under Risk Reduction Standard (RRS) 1.

For More Information:

If you would like more information, please see our website at <http://www.afcee.brooks.af.mil/er/carswell/nasfw/> or contact Michael Dodyk, HQ AFCEE, at (817) 782-7167 or via e-mail at Mike.Dodyk@carswell.af.mil.



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 Project: AFC001-29AC
 Created: 03/11/99 jbelcher
 Revised: 04/23/01 asp
 Source: HydroGeoLogic, Inc—GIS Database



Legend

- NAS Fort Worth JRB Boundary
- Former Carswell AFB Boundary
- Solid Waste Management Unit (SWMU)

Figure 1

**SWMU 53 Location Map
NAS Fort Worth JRB, Texas**