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DECISION DOCUMENT REMEDIAL INVESTIGATION FEASIBILITY STUDY AT SITE OT12
ENTOMOLOGY DRY WELL NAS FORT WORTH TX
5/16/1991
CARSWELL AIR FORCE BASE

293000



**NAVAL AIR STATION
FORT WORTH JRB
CARSWELL FIELD
TEXAS**

**ADMINISTRATIVE RECORD
COVER SHEET**

AR File Number 208

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A.F. 208

208001

U.S. AIR FORCE
INSTALLATION RESTORATION PROGRAM
REMEDIAL INVESTIGATION/FEASIBILITY STUDY
CARSWELL AFB, TX

DECISION PAPER
SITE OT12, ENTOMOLOGY DRY WELL

16 MAY 1991

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1.1 INTRODUCTION

The objectives of this decision paper are to describe the history of Carswell AFB Site OT12, and to identify and evaluate alternative control measures to achieve the objectives of "No Further Action".

1.2 BACKGROUND

The Entomology Dry Well is located in the vicinity of Building 1337, east of Rogner Drive near the base main gate. Immediately east of the site is the former location of the entomology shed (Building 1338) which was removed in 1981, with the area being regraded. A dry well at the site was used for the disposal of insecticide rinsate between 1965 and 1981. Due to the dismantling of Building 1338, and regrading of the site, the exact location of the former dry well has not been determined. Building 1338 was used for the storage and mixing of insecticides including malathion, diazinon, dursban, and chlordane. Chlordane had been reported in samples taken from the vicinity by Radian Corporation in 1988. No documented analytical results could be found during the Phase I Records and Literature Search to substantiate this report of Chlordane disposal.

A thorough subsurface soil investigation was conducted by Maxim Engineers to confirm or deny the extent of the presence of pesticides at the site. The investigation was conducted in March 1990, and consisted of 24 soil borings down to depths of 9-10 feet. Several of the borings were taken to the upper level groundwater. EPA Method 8080 for sampling and analysis of Organochlorine Pesticides and PCB's was utilized. Twenty of the 24 borings displayed no concentrations of pesticides and PCB's. Chlordane, 11-26 parts per billion (ppb), was found in three samples, and one sample contained low levels of Endrin Aldehyde(75ppb). Remediation levels for these types of contaminants are in the part-per-million (ppm) range. The analysis of the contaminants detected were well short of the maximum contaminant levels (MCLs) required by the Environmental Protection Agency (EPA). Based upon the random low levels of pesticides found in the soil, and the lack of pesticides found in the groundwater, Site OT12 is being recommended for "No Further Action".

1.3 CONTROL MEASURES

1.3.1 The following alternative control measures were identified for the Entomology Dry Well.

1. Removal and disposal of contaminated soil
2. No Further Action

1.3.2 Screening of Control Measures

The control measures were screened to select a technically feasible and cost-effective plan for site control.

1. Currently known characteristics of Site OT12 at Carswell AFB.
2. Technical feasibility and effectiveness of available remedial action at the site.

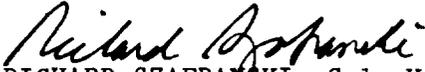
1.3.3 Evaluation of Alternative Control Measures

Alternative 1: Removal and disposal of contaminated soil at site: This alternative would involve the excavation and disposal of contaminated soil. Since the data from the investigation confirmed that no significant contamination existed per EPA standards, this alternative was not considered.

Alternative 2: No Further Action: No Further Action is considered as an option since no environmental stress exists on site.

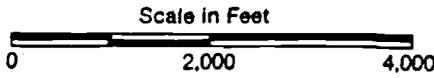
1.3.4 Conclusion:

Based upon available data and evaluation of the alternatives, there is no need for further action at the site and the recommendation is made to remove OT12 from further IRP consideration.


RICHARD SZAFRANSKI, Col, USAF
Chairman, Environmental
Protection Committee

8 AUG 1991

Date



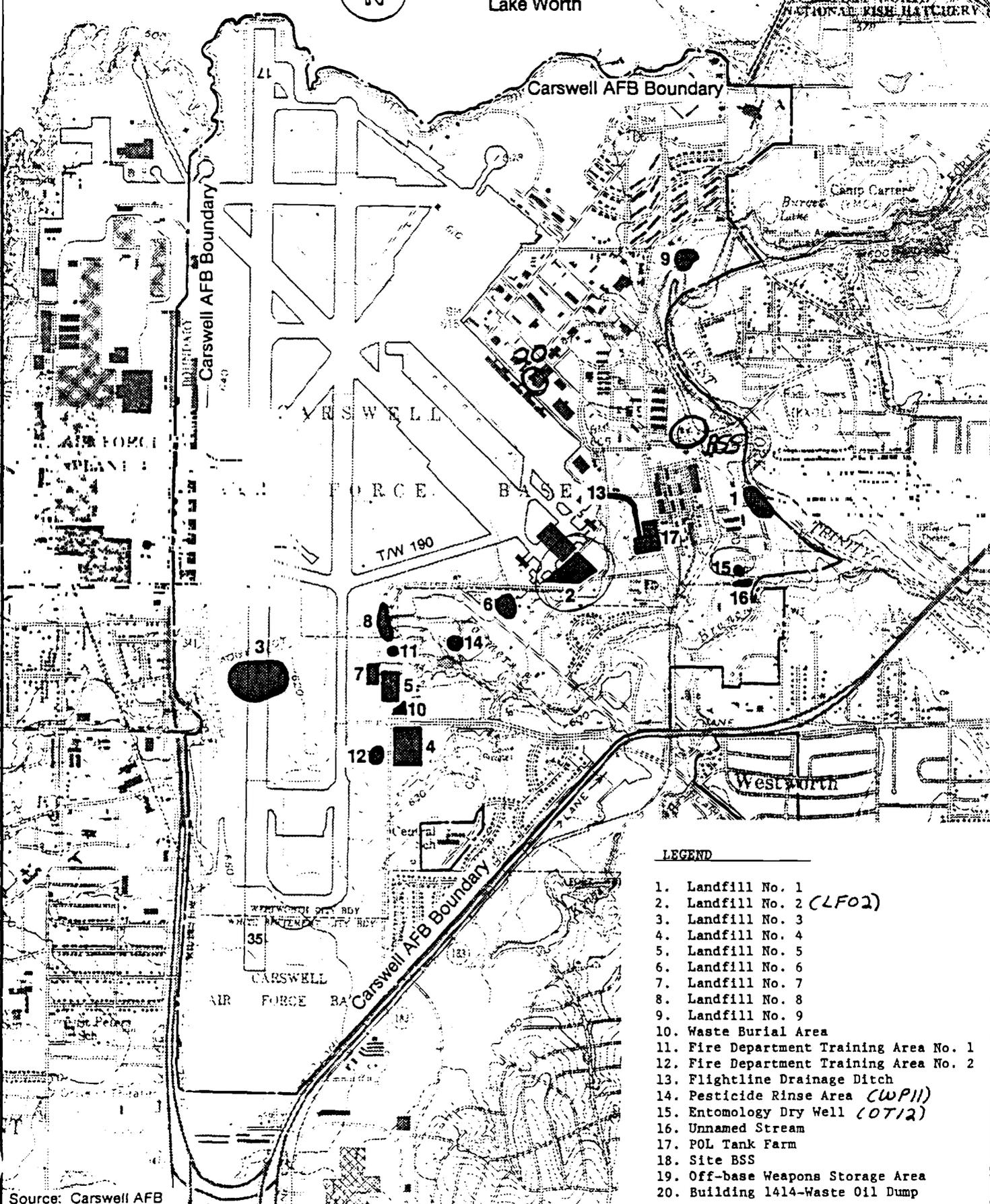
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FORT WORTH
NATIONAL FISH HATCHERY

Carswell AFB Boundary

Carswell AFB Boundary

Carswell AFB Boundary



LEGEND

- 1. Landfill No. 1
- 2. Landfill No. 2 (LF02)
- 3. Landfill No. 3
- 4. Landfill No. 4
- 5. Landfill No. 5
- 6. Landfill No. 6
- 7. Landfill No. 7
- 8. Landfill No. 8
- 9. Landfill No. 9
- 10. Waste Burial Area
- 11. Fire Department Training Area No. 1
- 12. Fire Department Training Area No. 2
- 13. Flightline Drainage Ditch
- 14. Pesticide Rinse Area (WP11)
- 15. Entomology Dry Well (OT12)
- 16. Unnamed Stream
- 17. POL Tank Farm
- 18. Site BSS
- 19. Off-base Weapons Storage Area
- 20. Building 1414-Waste Oil Dump

Source: Carswell AFB

FIGURE 1.
Location Map of Identified Disposal and Spill Sites at Carswell AFB.



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