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MEETING MINUTES FROM RESTORATION ADVISORY BOARD MEETING AGENDA FROM  
13 NOVEMBER 2003 NAS FORT WORTH TX  
11/13/2003  
RESTORATION ADVISORY BOARD



# CARSWELL AFB TEXAS

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## ADMINISTRATIVE RECORD COVER SHEET

AR File Number 766



**Carswell/Plant 4  
Restoration Advisory Board Meeting  
November 13, 2003  
6:00–8:00 pm**

## **Agenda**

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Welcome/Introductions/Minutes	5 minutes
Westworth Redevelopment Authority Update	10 minutes
Action Items	
Community Co-Chair Nomination and Election	5 minutes
Air Force Plant 4/George Walters Program Update	15 minutes
Carswell Off-Base/Charles Pringle Program Update	15 minutes
– Sanitary Sewer System Field Work Update	
– Weapons Storage Area EOD Conversion to Residential Safety Clearance Update	
– Permeable Reactive Barrier Expansion Near Golf Course Update	
– Plant 4 ROD Amendment/Accomplish OPS for Golf Course Update	
Projected Future Land Transfers	
– Off-Site Weapons Storage Area FOST Update	
– Golf Course Parcels/Total Update	
Radiological Maintenance Munitions Waste Update	
Carswell On-Base/Mike Dodyk Program Update	5 minutes
Next Meeting Agenda	5 minutes
Open Discussion/Questions	5 minutes

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## **CARSWELL/PLANT 4 RESTORATION ADVISORY BOARD MEETING**

### **DRAFT Summary Minutes of November 13, 2003 Regular Quarterly Meeting**

A regular meeting of the Carswell/Plant 4 Restoration Advisory Board (RAB) was scheduled to be held November 13, 2003 at the Lockheed Martin Recreation Association Ranch House, 3400 Bryant Irvin Road. The RAB meeting began at 6:00 p.m.. As only one community member was in attendance, and no RAB members, the meeting was adjourned at 6:20 p.m.. In lieu of presenting technical briefings, Air Force representatives spent time with the attending community member providing information tailored to meet her specific questions and concerns. The meeting agenda and list of those in attendance are presented below. The next meeting is scheduled for February 12, 2004.

### **PLANNED AGENDA**

Welcome/Introductions/Minutes

Westworth Redevelopment Authority Update

Action Items

Community Co-Chair Nomination and Election

Air Force Plant 4 (George Walters)  
Program Update

Carswell Off-Base (Charles Pringle)

Program Update

- Sanitary Sewer System Field Work Update
- Weapons Storage Area EOD Conversion to Residential Safety Clearance Update
- Permeable Reactive Barrier Expansion Near Golf Course Update
- Plant 4 ROD Amendment/Accomplish OPS for Golf Course Update

Projected Future Land Transfers

- Off-Site Weapons Storage Area FOST Update
- Golf Course Parcels/Total Update

Carswell On-Base (Mike Dodyk)  
Program Update

Next Meeting Agenda

Open Discussion/Questions

***IN ATTENDANCE***

***Carswell DERA (On-Base)***

Mike Dodyk, AFCEE, Resident Engineer  
Mike Hawkins, AFCEE Public Affairs  
Andrea Linder, Booz Allen & Hamilton  
Audrie Medina, Booz Allen & Hamilton  
Lynn Morgan, HydroGeoLogic, Inc.  
Miquette Rochford, HydroGeoLogic, Inc.  
Russell Cason, Weston Solutions, Inc.  
Todd Harrah, Weston Solutions, Inc.

***Carswell AFRPA (Off-Base)***

Charles Pringle, HQAFCEE/ERB

***Air Force Plant 4***

George Walters, AFP 4 Project Manager, ASC, Wright Patterson Air Force Base  
Estella Holmes, US Air Force, Wright Patterson Air Force Base  
Gregg McGraw, Shaw Group  
Karen Katzenbach, Public Affairs, Wright Patterson Air Force Base

***Texas Commission on Environmental Quality***

Ray Risner  
Tim Sewell

***Lockheed Martin***

Ed Daniels  
Norman Robbins

***Others (Off-Base)***

Chris Baack, Community Member  
Jim Scanlan, City of Fort Worth Water Department  
Chris Breitling, City of Fort Worth Environmental Management Department  
Sonja Jones, US Geological Survey  
Sachin Shah, US Geological Survey

Comments regarding the meeting minutes should be sent to:

Ms. Miquette Rochford  
HydroGeoLogic, Inc.  
1155 Herndon Parkway, Ste. 900  
Herndon, VA 20170  
Phone: (703) 736-4511  
Fax: (703) 471-4180  
e-mail: [mer@hgl.com](mailto:mer@hgl.com)

# **Headquarters U.S. Air Force**

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## **Carswell Off-Base BRAC UPDATE Restoration Advisory Board**



**Charles C. Pringle, BEC  
13 NOV 2003**

**U.S. AIR FORCE**

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**Air Force Center for Environmental Excellence**

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# **NAS Fort Worth JRB Installation Restoration Program Update**

**Michael R. Dodyk, P.E.  
AFCEE  
November 13, 2003**



## ***Installation Restoration History***

**The Air Force is responsible for cleanup of environmental contamination that occurred prior to October 1, 1993 (while Carswell AFB was active.)**

**A total of 87 sites were identified that required investigation and closure.**

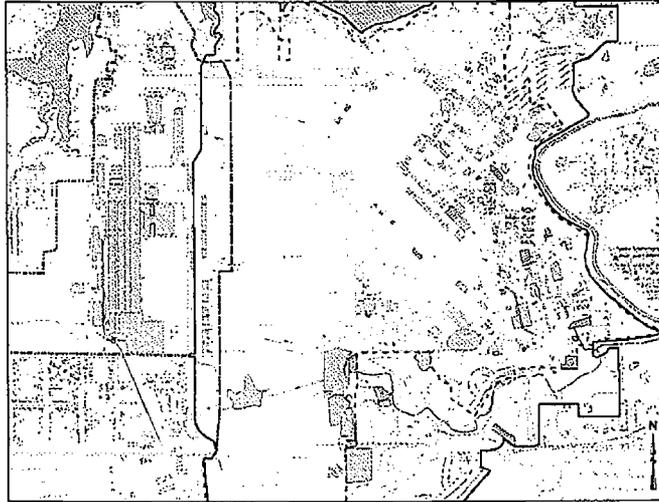
**68 Solid Waste Management Units (SWMU)**

**19 Areas of Concern (AOC)**

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## SWMUs and AOCs



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## Site Closure Update

**To date, the Air Force has received closure on 81 of the 87 sites (6 sites remaining).**

- Most recently, regulators approved site closure under Risk Reduction Standard (RRS) 2 at SWMUs 19, 20, and 21 if public notification and a comment period go unopposed.
- SWMU 49 (Former Aircraft Washing Area) was submitted for closure under RRS 2 in September 2003.

**Of the 6 remaining sites:**

- 5 will be closed by 12/30/04 (SWMUs 28, 49, 54, 55, 66)**
- AOC 1 will be closed by 12/30/05**

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## **Basewide Historical Investigation**

**The Air Force has continued efforts to conduct historical research to ensure complete investigation of possible sources of contamination.**

**- Air Force personnel stationed at Carswell AFB will be interviewed to obtain historical operations information.**

**- The Air Force is *Still looking for former Carswell AFB personnel.* Call toll free 1-800-836-8134.**

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## **Field Activities**

**Soil and sediment delineation sampling occurred at the Storm Water Interceptors (SWMU 54) and East Gate Oil/Water Separator (SWMU 55) during September 2003.**

**Soil delineation sampling and soil removal occurred at Landfill 1 (SWMU 28) during September 2003.**

**The fourth round of quarterly groundwater sampling at the former base gas/service station (AOC 1) occurred during October 2003.**

**100 monitoring wells located across the base will be decommissioned according to state requirements. This is the first phase of well decommissioning.**

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## **Vegetable Oil Injection**

**Pilot Study using vegetable oil is injected into groundwater to stimulate bacteria to breakdown TCE contamination.**

**Vegetable oil was injected in the northern lobe area (flight line).**

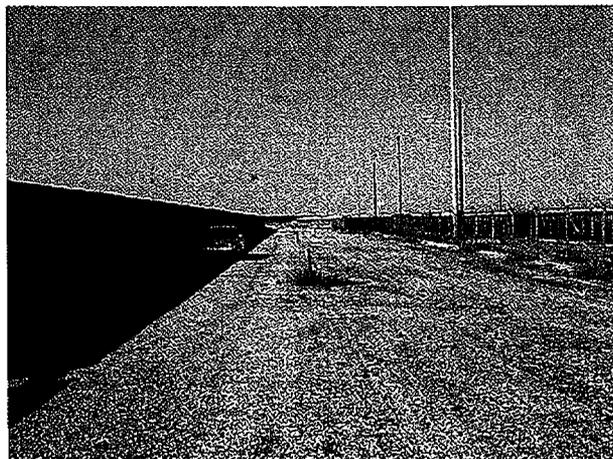
**Injection was completed in July. First monitoring event will occur in January 2004.**

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## **Veg. Oil Study Flight Line Area**



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## Drilling Holes for Sampling

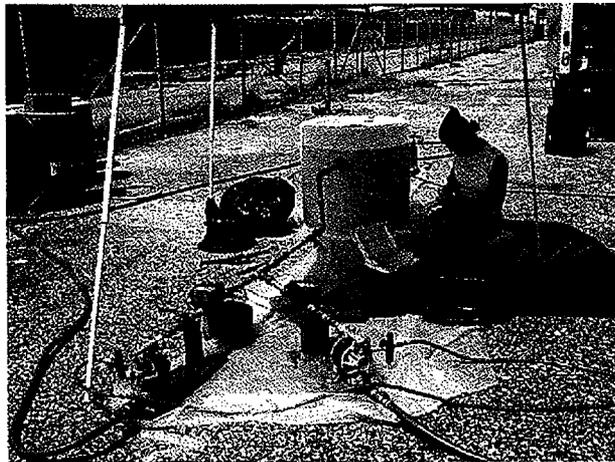


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## Injection Process



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## ***Monitoring Well Injection***



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## ***Permeable Reactive Barrier***

**The PRB was installed in April/May 2002 to remediate groundwater contaminated with trichloroethene (TCE). Groundwater sampling is conducted every 3 months to monitor performance.**

**The sixth round of quarterly PRB Performance monitoring was conducted in August 2003.**

**The PRB is successfully remediating groundwater.**

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## ***PRB Animation***

**[Animation showing the effectiveness of the PRB.]**

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## ***Upcoming Field Work***

### **Winter 2003:**

- The seventh round of PRB performance monitoring will be conducted later this month.
- Sanitary sewer system removal action is scheduled to occur this winter.
- Second phase of well decommissioning on base will be initiated.

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## ***Upcoming Fieldwork (con't)***

### **Early 2004:**

-Performance monitoring of the AOC 1 groundwater treatment system will be conducted in January.

Performance monitoring of the vegetable oil study will be conducted in January

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## ***Documents Under Review***

### **Documents Under Review by Regulators:**

Final RFI of SWMU 49 (Former Aircraft Washing Area).

### **Documents Under Discussion Between Regulators and AFCEE Prior to Finalization:**

Focused Feasibility Study on the Southern Lobe TCE Plume.

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## Former Carswell Air Force Base Fort Worth, Texas



HydroGeoLogic, Inc., is under contract to the Air Force Center for Environmental Excellence to **research the operational history** of the former **Carswell Air Force Base**, which began serving as a military installation in 1942 and is presently under the U.S. Navy's control. The site is currently known as **Naval Air Station Fort Worth** and was formerly known by the following names:

**Tarrant Field Airdrome**  
**Fort Worth Army Airfield**  
**Griffiss Air Base**  
**Fort Worth Air Base**  
**Carswell Air Force Base**

We wish to interview individuals knowledgeable about operations at these facilities. If you have any information concerning these operations, please call the toll free number below.

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**NO ONE ELSE COMES CLOSE**

**U.S. AIR FORCE**

G. CRIDALES

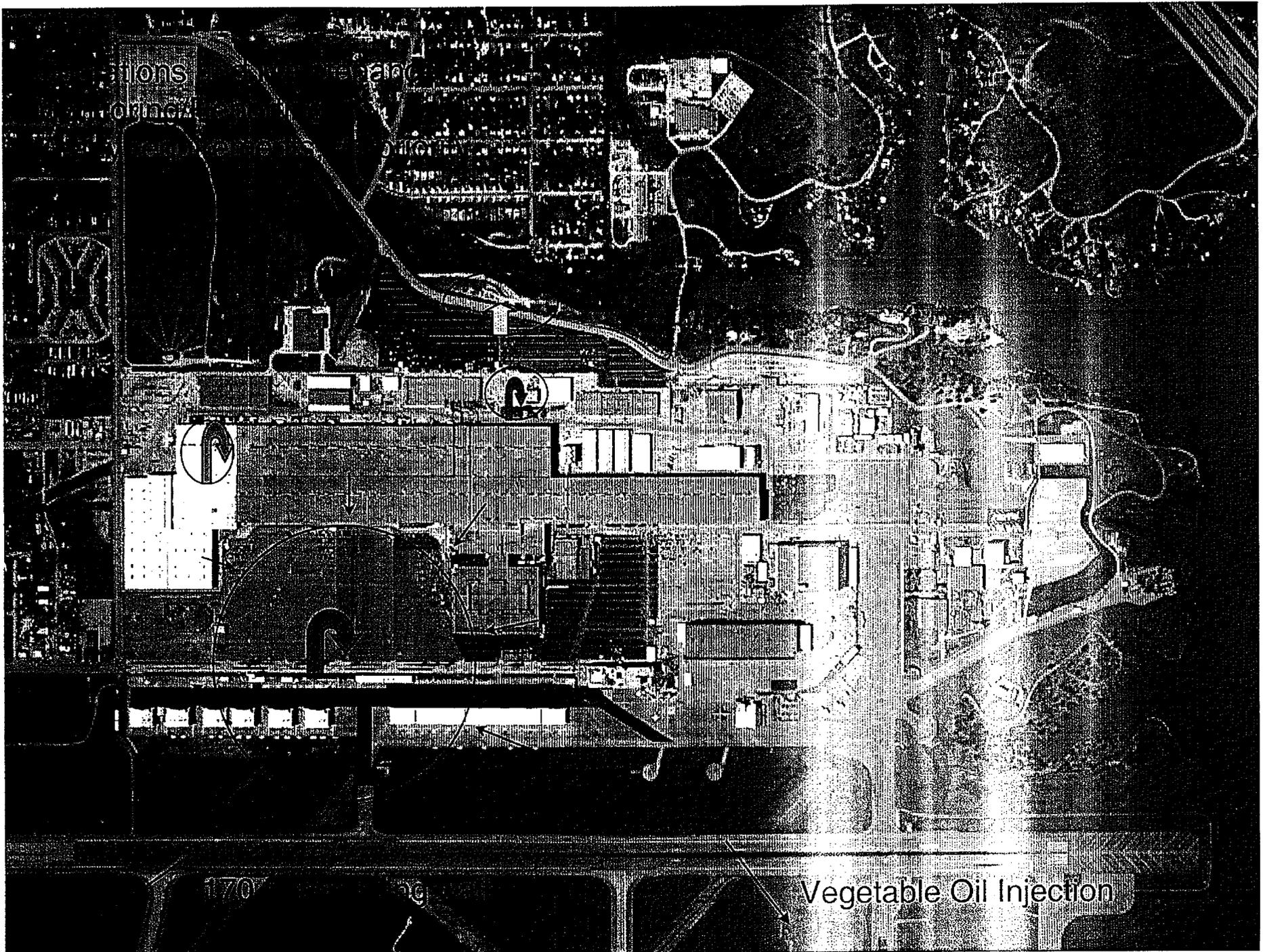


Air Force Plan-4 RAB

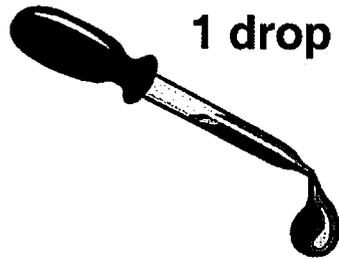
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Treatment Systems  
Long Term Monitoring  
USEC's conceptual

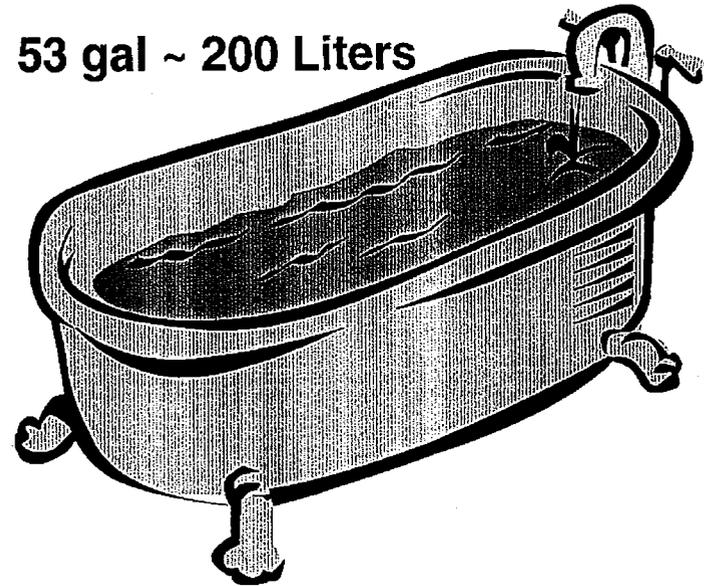


Measurements in Water



1 drop

= 2 part per Million  
(ppm)  
(mg/L)



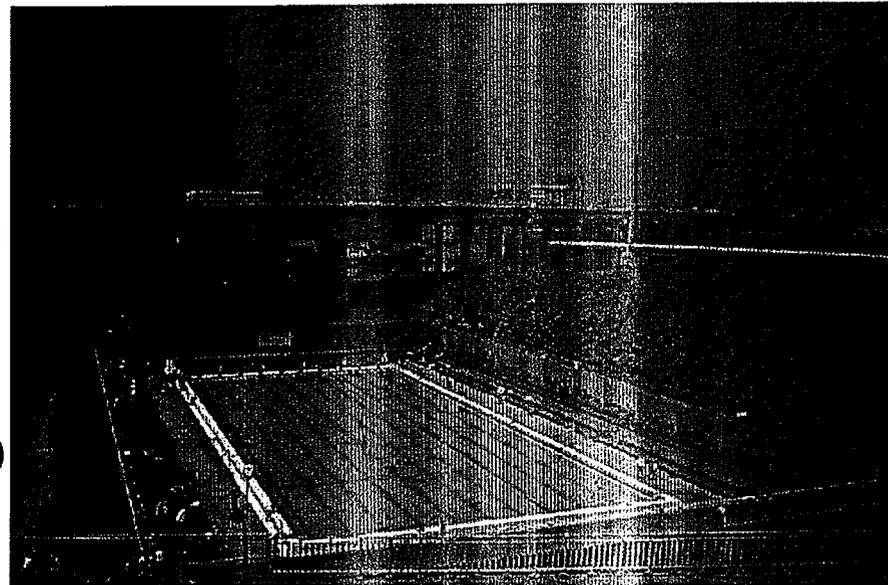
53 gal ~ 200 Liters

1000 ppb = 1 ppm

= 1 part per Billion  
(ppb)  
(ug/L)

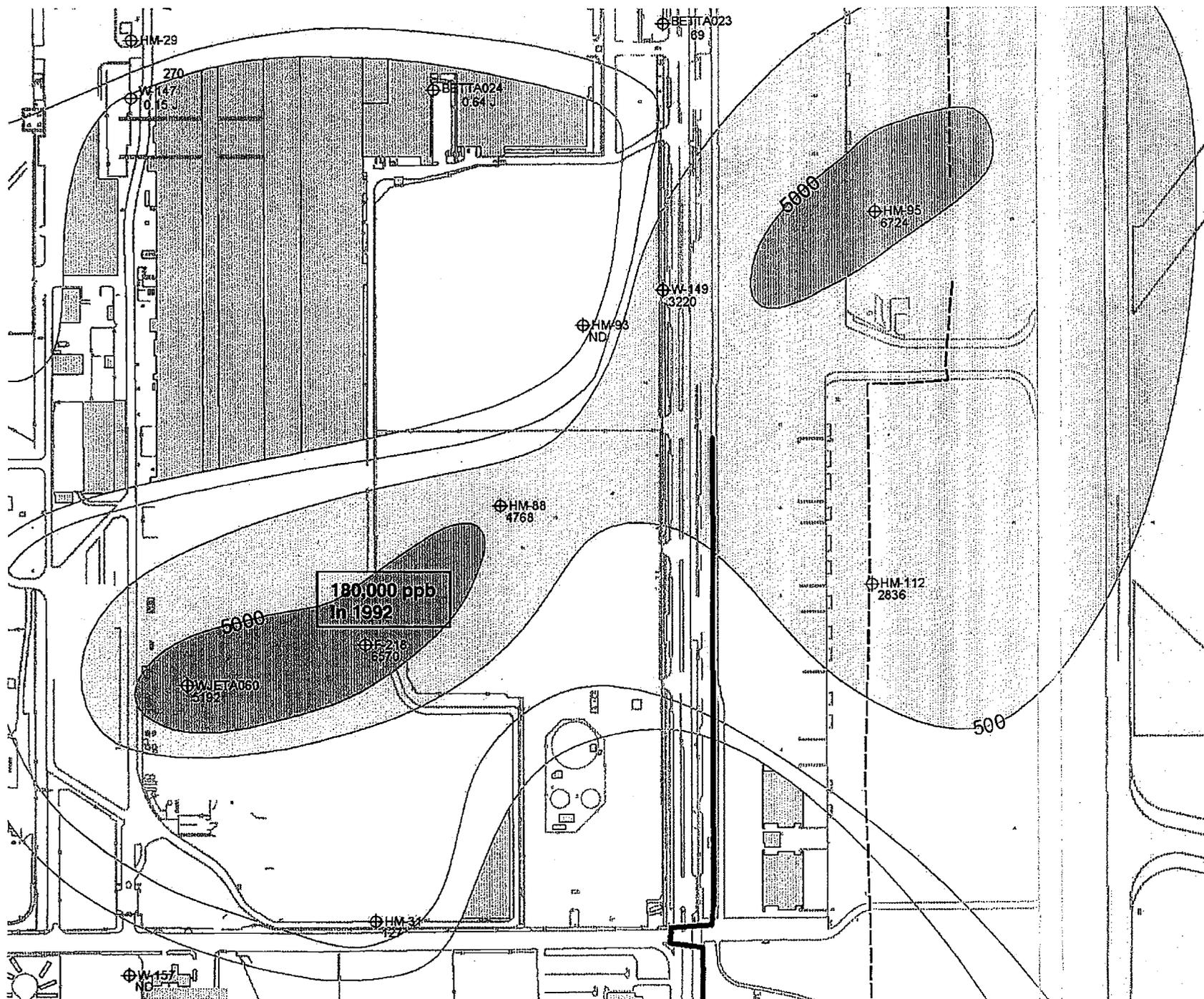
(or, 1 minute in 1,903 years!)

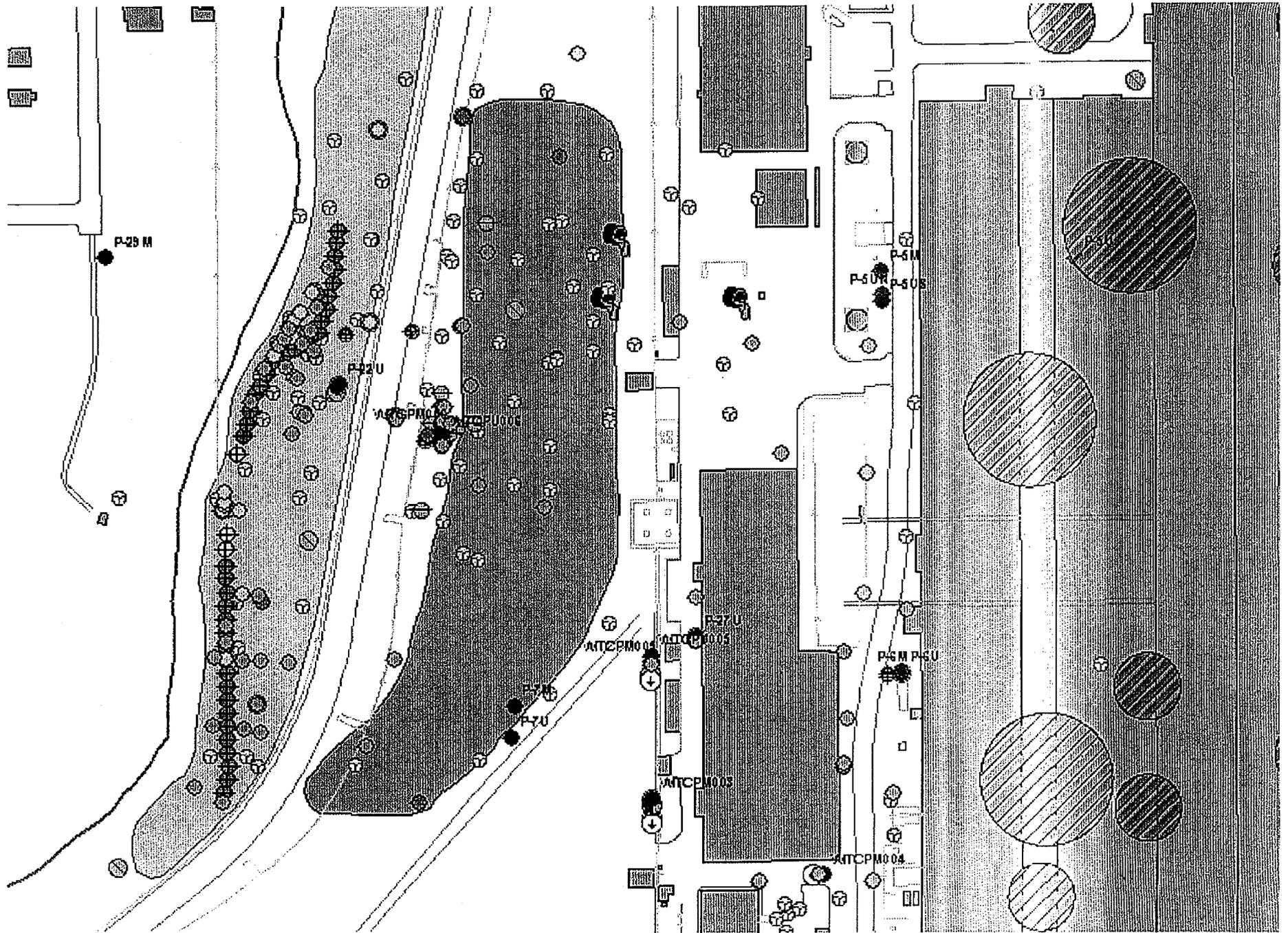
130,000 gal Olympic Pool ~ 500,000 L

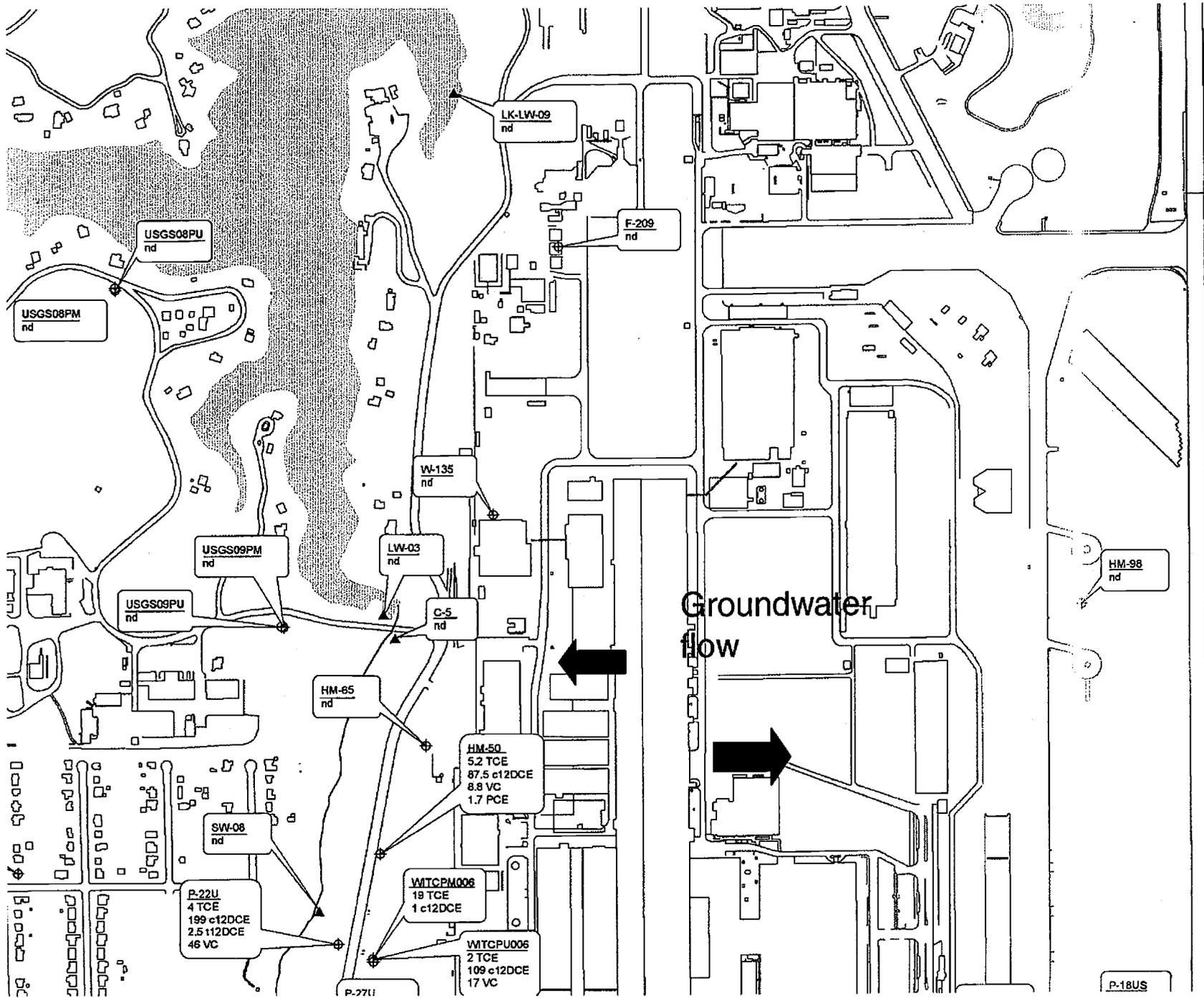


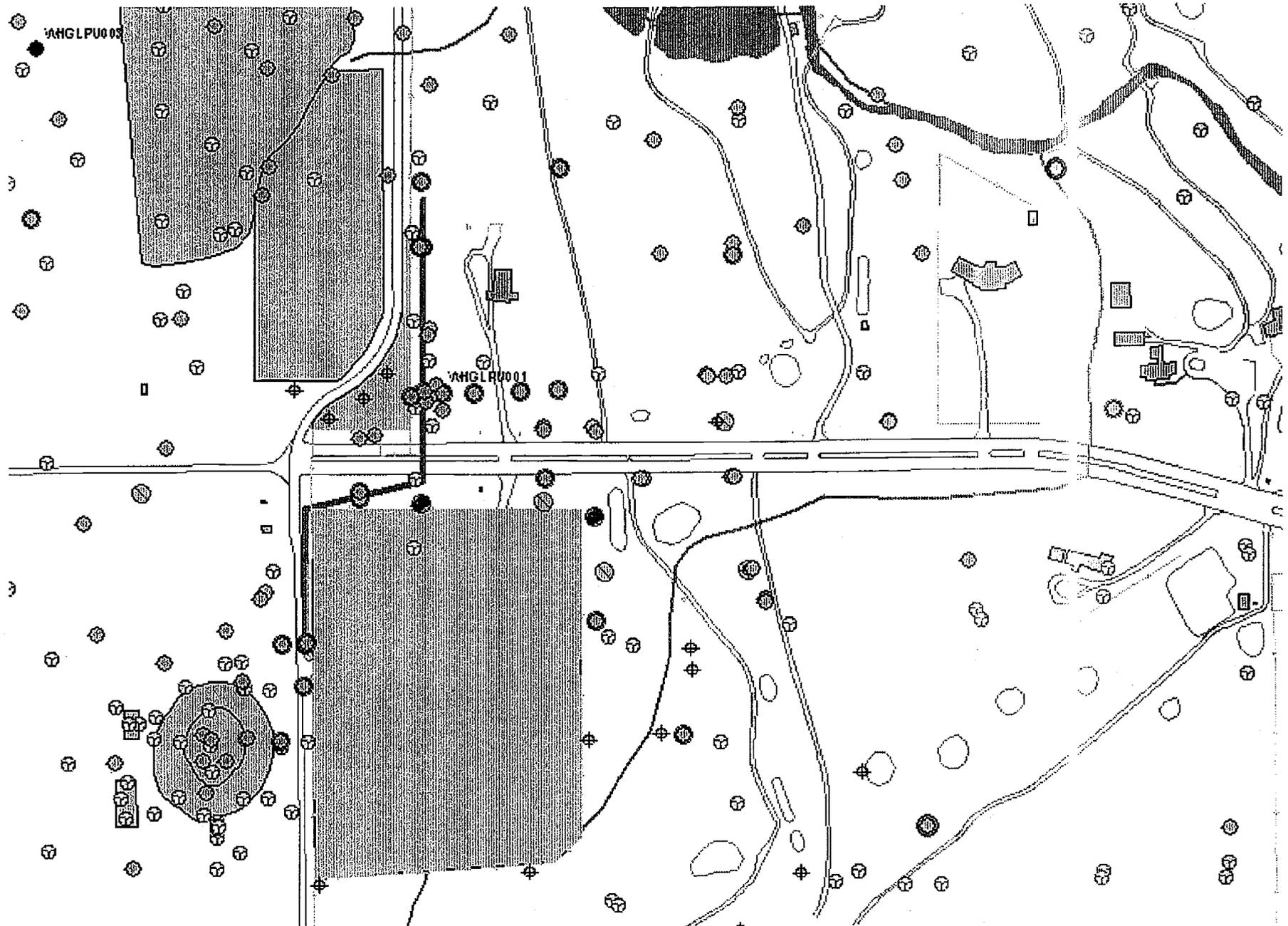


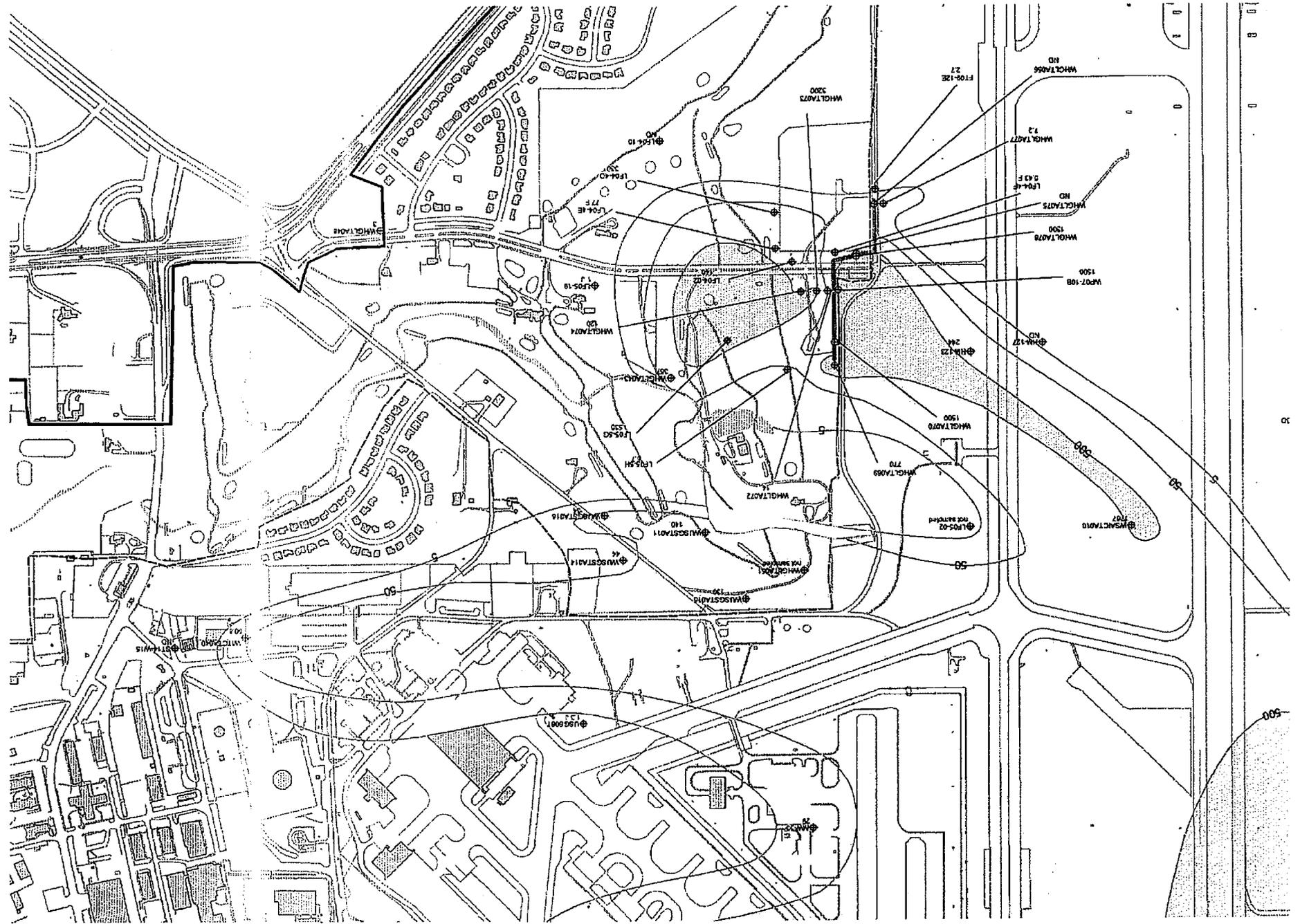






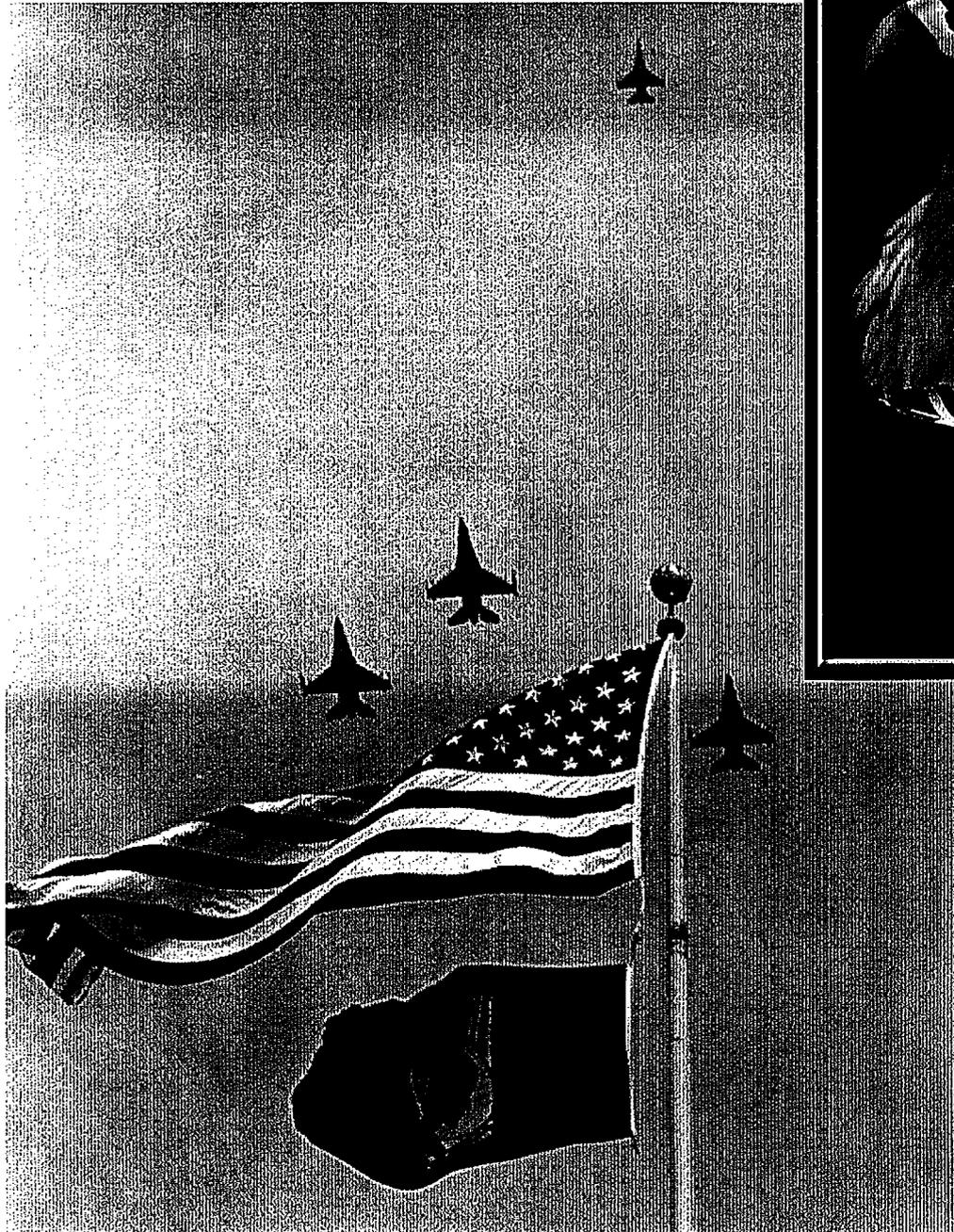








## Discussion



Administrative Record CDs at  
The White Settlement Library!

Web sites: George's favorites!

[www.Safedinkingwater.com](http://www.Safedinkingwater.com)

[www.tceq.state.tx.us](http://www.tceq.state.tx.us)

[www.epa.gov/earth1r6](http://www.epa.gov/earth1r6)

**FINAL PAGE**

**ADMINISTRATIVE RECORD**

**FINAL PAGE**