

Southwest Arkansas Environmental Improvement Project

Project Overview

April 6, 2004

Fresh Water Spill Symposium

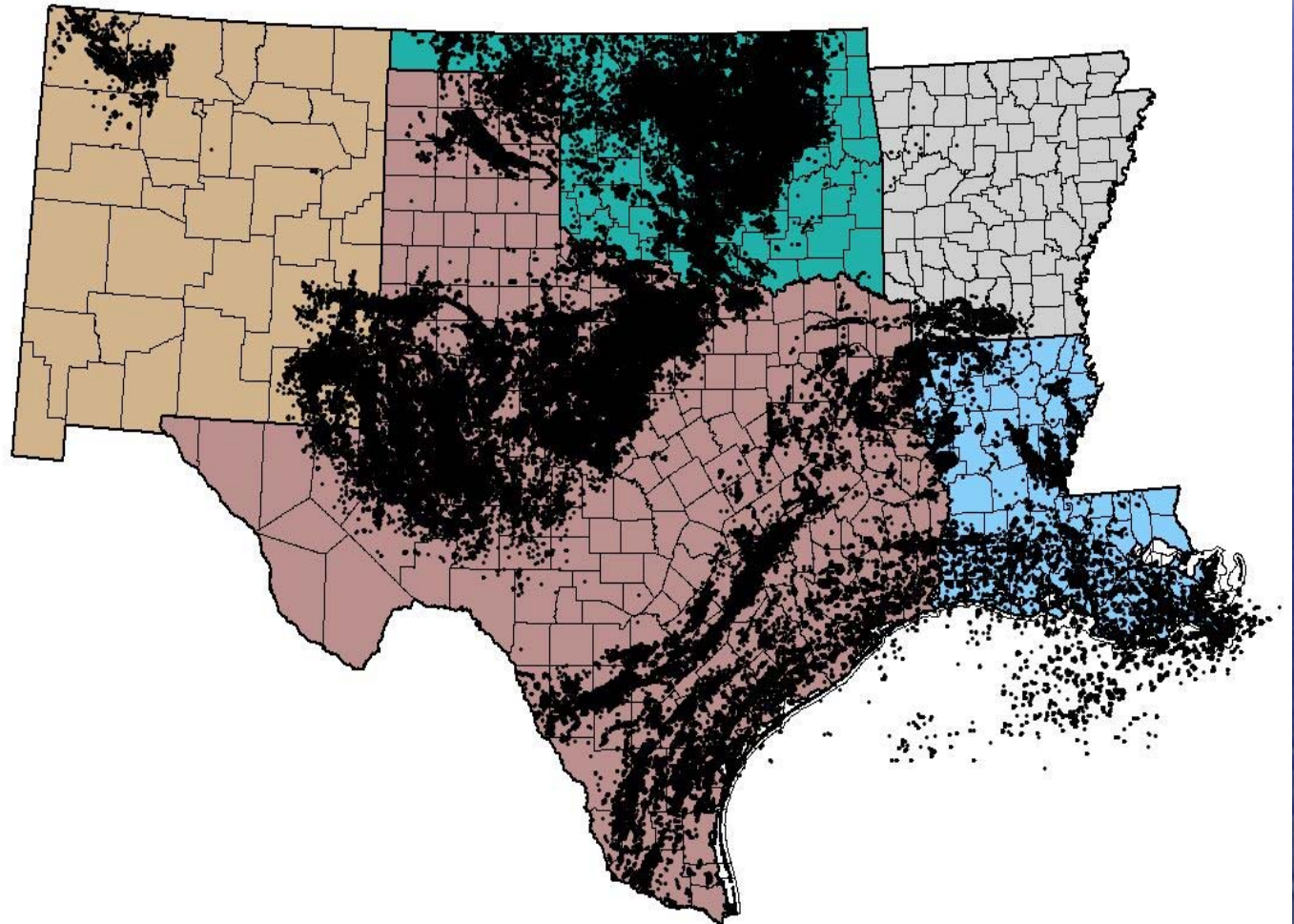
Exploration & Production

- Approximately 1.6 million wells drilled in Region Six since early days of production.
- Of this number, 600,000 are currently active.
- Some 220,000 of these are marginal wells.

➤ Marginal wells produce less than 10 barrels of oil per day

5/13/2004

Estimated Number of Wellheads in Region 6



Background



Project Goals

- Protect public health and the environment through the use of innovative strategies and partnerships,
 - 1) To effect positive changes both in issues of environmental concern and spill prevention practices.
 - 2) To address waste management practices regarding oil pits.
 - 3) To clean up past and present spills.
 - 4) To attempt to reduce the likelihood of future reoccurrences of such incidences and finally,
 - 5) To increase the overall level of compliance awareness in the oil and gas community.

South West Arkansas Environmental Improvement Project

Project Partners

- **Federal Partners**

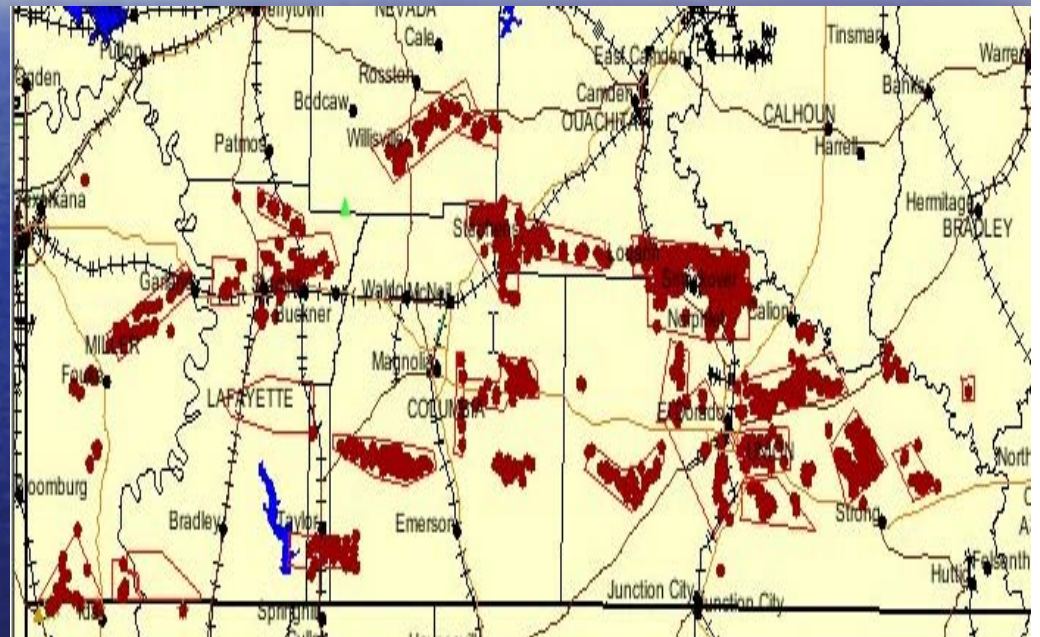
- **United States Environmental Protection Agency (USEPA)**
- **United States Fish & Wildlife Service (USFWS)**

- **State Partners**

- **Arkansas Department of Environmental Quality (ADEQ)**
- **Arkansas Oil & Gas Commission (AOGC)**
- **Arkansas Game & Fish**
- **Oil Producers Association of Arkansas (OPAA)**

Geographical Considerations

- Six hundred square miles
- Twenty nine identified recon areas
- Nine counties covered in Southwest Arkansas
 - Bradley
 - Calhoun
 - Columbia
 - Hempstead
 - Lafayette
 - Miller
 - Nevada
 - Union



Implementation Breakout

➤ Project Management

- Site Assessment Database
- Scheduling & Logistics Calendar
- Geographical Mapping
- Communications (E-mail/Phone Conferencing)

➤ Voluntary Compliance Initiatives

- Workshops
- Self Inspection Checklists
- Compliance Assistance Guides
- Internet Information

Access

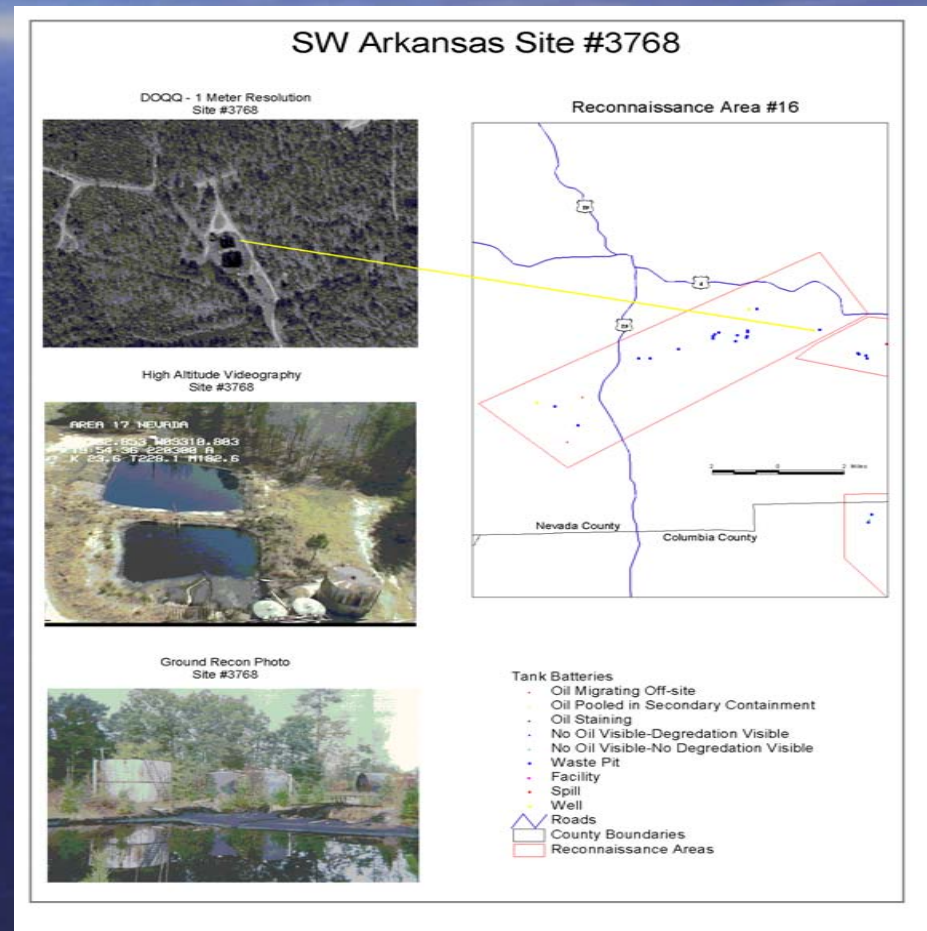
5/13/2004

➤ Implementation Toolbox

- Promote Voluntary Compliance
- Announced Inspections
- Enforcements Referrals
- Spill Monitoring
- Federal/State Lead Removal Actions

Operational Parameters

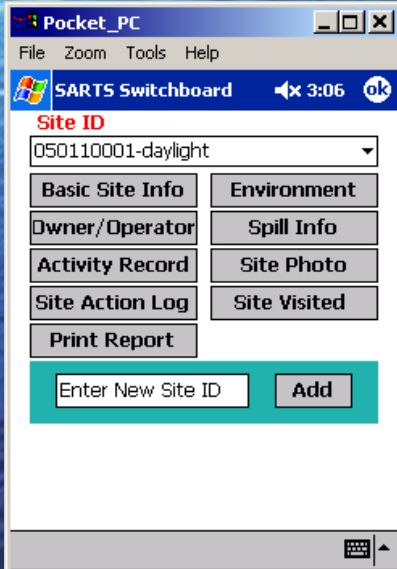
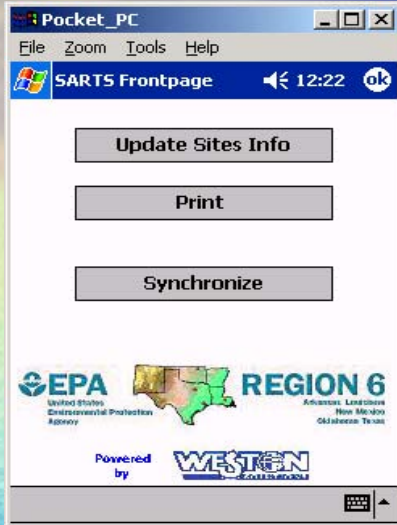
- Phase I – Data Gathering
 - Photographic Analysis
 - Site Assessment/Characterization
 - Responsible Party Identification
 - Site Prioritization
- Phase II – Implementation Strategies
 - Voluntary Compliance Initiatives (VCI)
 - Compliance Inspections
 - Enforcement Referrals
 - Spill Response
 - Site Cleanups



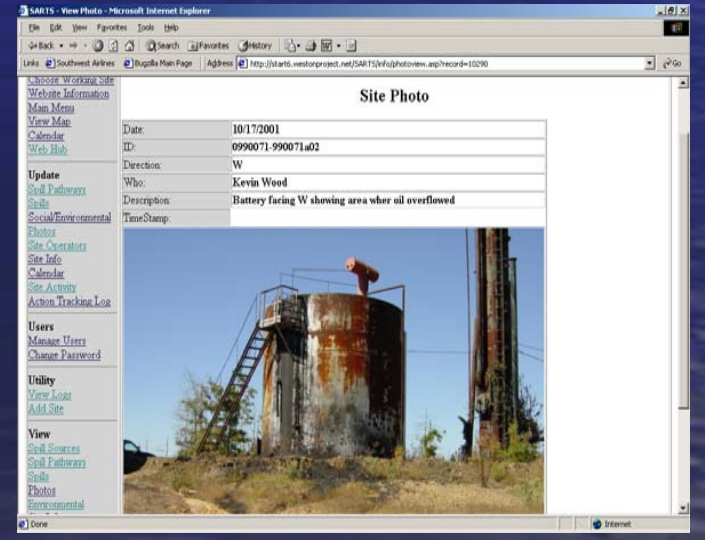
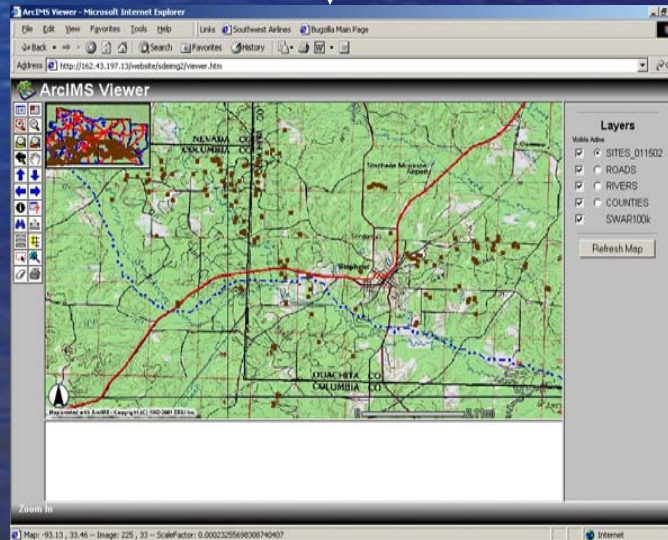
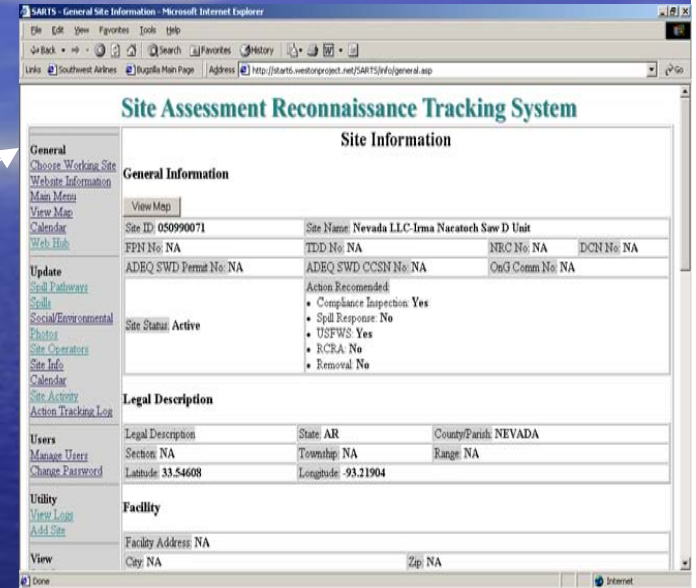
SARTS – OPA Recon Application

Mobile Applications

Secure Web Applications

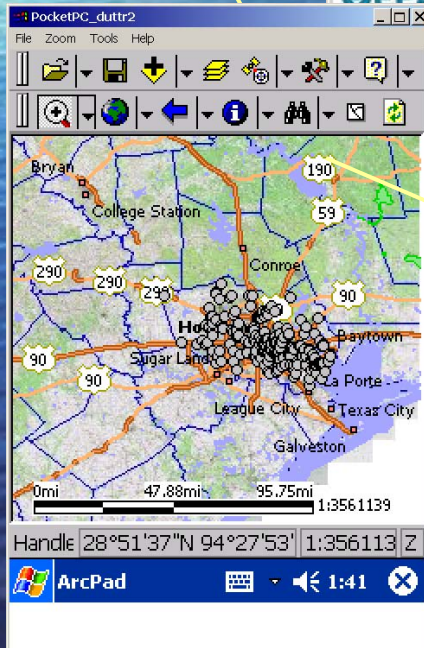
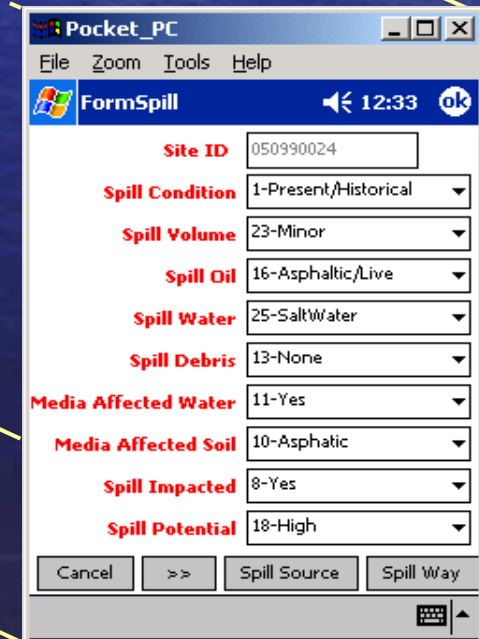
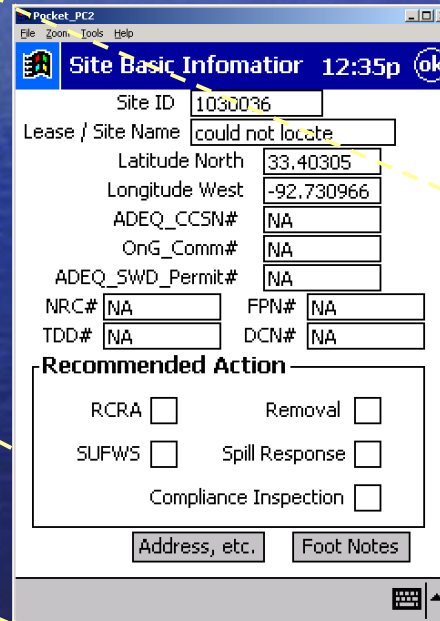
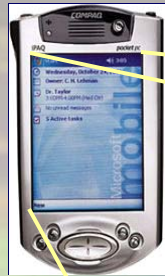


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SARTS – PDA Application

Mobile Data Collection Applications



Mobile GIS

SARTS – Secure Web Site

SARTS - General Site Information - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Address: http://start6.westonproject.net/SARTS/info/general.asp

Site Assessment Reconnaissance Tracking System

Site Information

General Information

View Map

Site ID: 050990071	Site Name: Nevada LLC Irma Nacatoch Saw D Unit		
FFN No: NA	TDD No: NA	NRC No: NA	DCN No: NA
ADEQ SWD Permat No: NA	ADEQ SWD CCSN No: NA	OnG Comm No: NA	

Site Status: Active

Action Recommended:

- Compliance Inspection: Yes
- Spill Response: No
- USEFS: Yes
- RCRA: No
- Removal: No

Legal Description

Legal Description	State: AR	County/Parish: NEVADA
Section: NA	Township: NA	Range: NA
Latitude: 33.54608	Longitude: 93.21904	

Facility

Facility Address: NA

City: NA Zip: NA

SARTS - Calendar - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Address: http://start6.westonproject.net/SARTS/info/calendar.asp

Site Assessment Reconnaissance Tracking System

<< Previous Month | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | Next Month >>

Jump to Month: Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec Jan Feb

August 2002

Sun	Mon	Tue	Wed	Thu	Fri	Sat
28	29	30	31	1	2	3
4	5	6	7	8	9	10
11	12 08:00 AM • Site Goode A • Event Info	13 08:00 AM • Site Saxon • Event Info	14 08:00 AM • Site Gregory 4,5,6 • Event Info	15 08:00 AM • Final SPCC recon on sites 051390545, 547, 546 & 142 D Sharp • Event Info	16 09:00 AM • Site Irma Nacatoch Sand Unit • Event Info	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

<< Previous Month | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | Next Month >>

Jump to Month: Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec Jan Feb


SARTS - View Photo - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Address: http://start6.westonproject.net/SARTS/info/photoview.asp?record=10290

Site Photo

Date:	10/17/2001
ID:	0990071-990071a02
Direction:	W
Who:	Kevin Wood
Description:	Battery facing W showing area where oil overflowed
TimeStamp:	



SARTS - Update User - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Address: http://start6.westonproject.net/SARTS/user/userupdate.asp?username=bradmorgan

Edit User

User Info

UserName: bradmorgan

Agency: WESTON

Email: morganb@mail.rweston.com

Enabled: Yes

Counties: User has access to 503 counties. Change County Permissions

Password: Reset Password

User Permissions

Operation	Allowed
General - Calendar	<input checked="" type="checkbox"/>
General - Choose Working Site	<input checked="" type="checkbox"/>
General - Main Menu	<input checked="" type="checkbox"/>
General - View Map	<input checked="" type="checkbox"/>
General - Web Hub	<input checked="" type="checkbox"/>
General - Website Information	<input checked="" type="checkbox"/>
Update - Action Tracking Log	<input checked="" type="checkbox"/>
Update - Calendar	<input checked="" type="checkbox"/>
Update - Photos	<input checked="" type="checkbox"/>
Update - Site Activity	<input checked="" type="checkbox"/>

AREA 05 OUACHITA

N3323.742 W09254.711

17:00:24 230300 A

K 14.9 T146.0 M 72.2

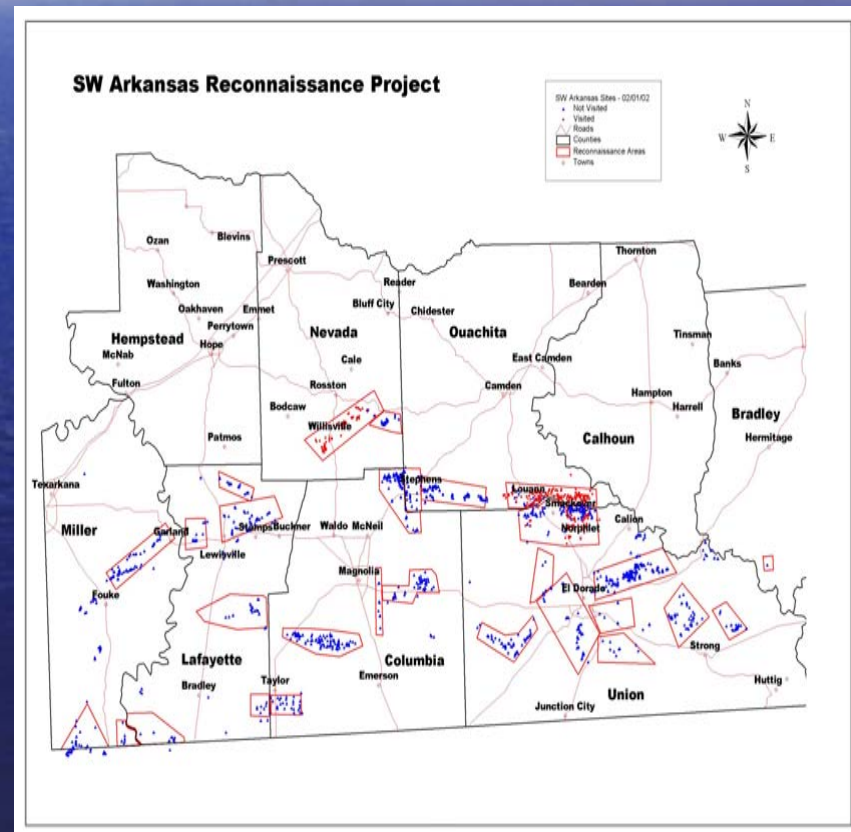






Project Status Report

- Reconnaissance
 - Sites Identified 1,901
 - Site Assessments 600+ Completed
- Implementation Activities
 - Recon of Union & Nevada, Ouachita Counties
 - Conducted 3 Compliance Inspections
 - Completed 26 Sites Restored (VCIs)
 - Federal Lead Removals (Morobay/Waterloo Refinery)



SPCC Regulated Facility

- [Site](#)
- [Website](#)
- [Information](#)
- [Main Menu](#)
- [Web Hub](#)
- [Calendar](#)
- [View Map](#)

Update

- [Site Info](#)
- [Site](#)
- [Operators](#)
- [Social/Environmental](#)

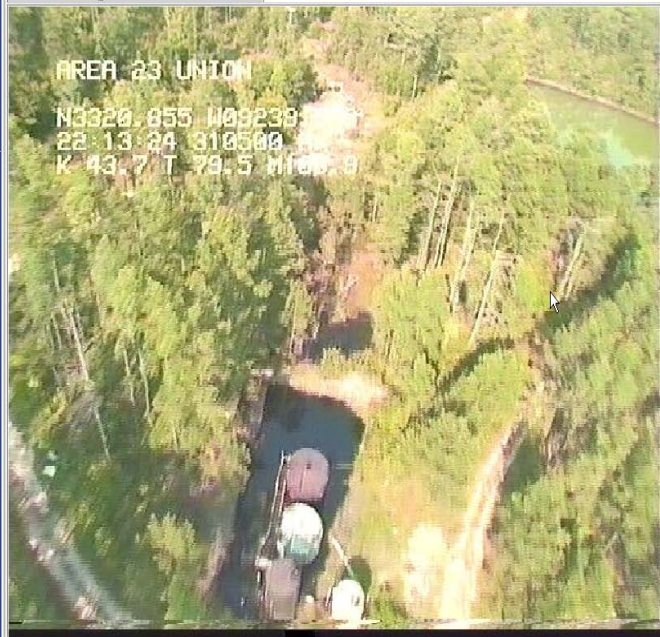
- [Photos](#)
- [Spills](#)
- [Spill](#)
- [Pathways](#)
- [Site Activity](#)

- [Action](#)
- [Tracking](#)
- [Log](#)
- [Calendar](#)

View

- [Site Info](#)
- [Environmental](#)

Date:	3/22/2000
ID:	1390575-UN_HA_23_193
Direction:	
Photographer:	Curt Haworth
Description:	Aerial
TimeStamp:	221324



- [Choose](#)
- [Working](#)
- [Site](#)
- [Website](#)
- [Information](#)
- [Main Menu](#)
- [Web Hub](#)
- [Calendar](#)
- [View Map](#)

Update

- [Site Info](#)
- [Site](#)
- [Operators](#)
- [Social/Environmental](#)

- [Photos](#)
- [Spills](#)
- [Spill](#)
- [Pathways](#)
- [Site Activity](#)

- [Action](#)
- [Tracking](#)
- [Log](#)
- [Calendar](#)

View

Site Photo

Date:	2/18/2004
ID:	1390575-b03
Direction:	E
Photographer:	Kevin Wood
Description:	view of containment
TimeStamp:	



Before



After



North Pit Before



South Pit Before



Both pits removed and site cleaned up. (see next slide)

5/13/2004

Before



After



Pit removed and replaced with tanks.

Before



After



Before



After



Before



After



Before



After
Reclaimed Oil Pit





Oil Pit

Before



5/13/2004

After



Reclaimed Oil Pit

AUG 27 2003