COMMUNITY MEETING
FALCON REFINERY SUPERFUND SITE (NORCO)

INGLESIDE CITY HALL
DECEMBER 5, 2007

9557367

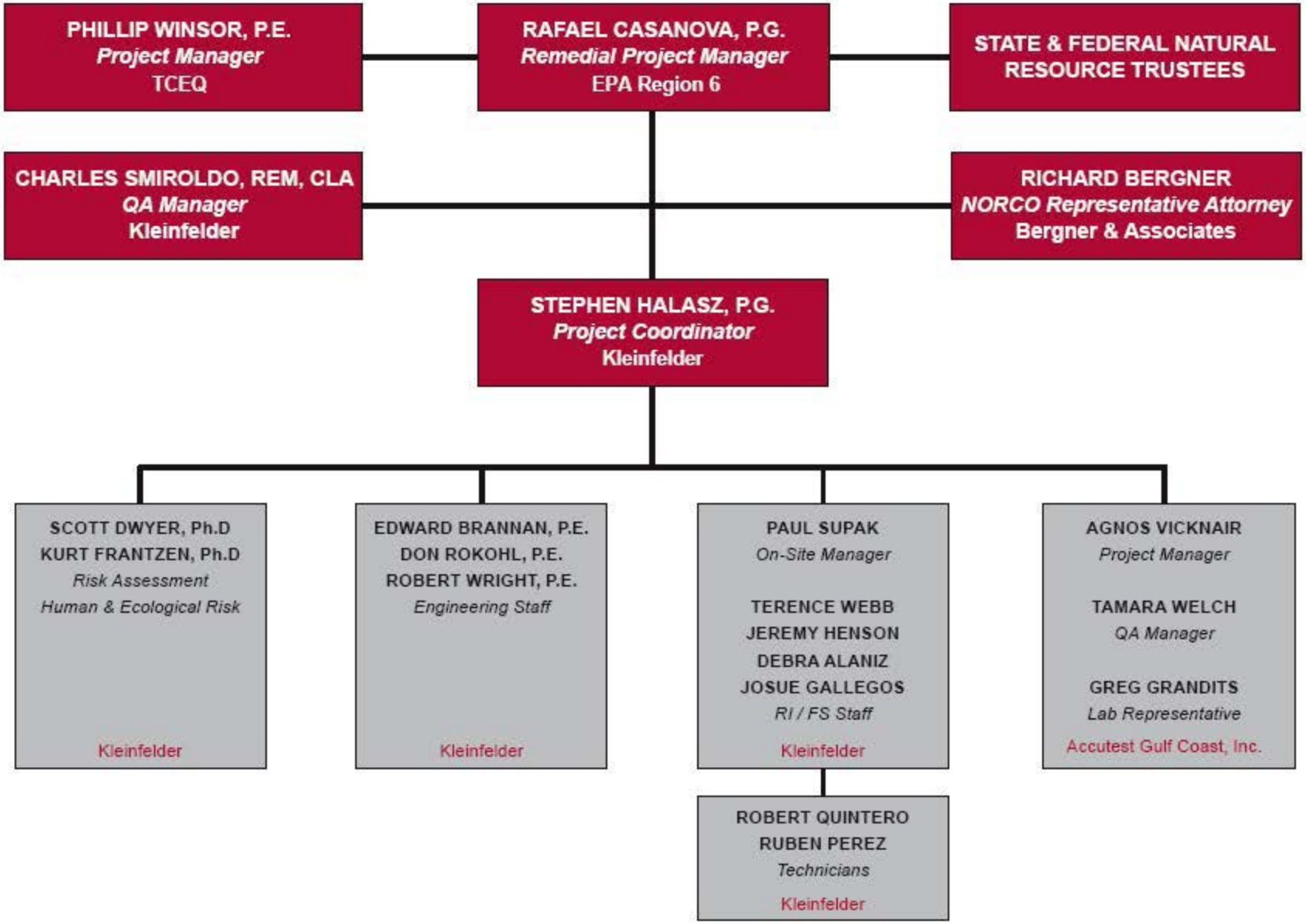
AGENDA

- Site Background
- Superfund Process
- Removal Action
- Remedial Action
- Role of Texas Commission on Environmental Quality and Federal/State Natural Resource Trustees
- Community Involvement
- Questions/Comments?

Aransas Pass
Redfish Bay
Ingleside
F.M. 361
Bishop Road
F.M. 2725
Redfish
Bay Lake
Ingleside on
the Bay
Approximate Site
Boundaries

Sunray Road
Bishop Road
FM 2725

Team Organizational Chart



ADMINISTRATIVE ORDERS ON CONSENT (AOCs)

- AOCs Signed June 2004 Between EPA and NORCO to Conduct:
  - Removal Action:
    - remove/dispose of hazardous materials from the tanks, equipment, piping, and buildings.
  - Remedial Action:
    - determine the nature and extent of contamination.
    - conduct human health and ecological risk assessments.
    - evaluate remedial action alternatives.

Superfund Remedial Process

FROM:
- Preliminary Assessment
- Site Inspection
- NPL Listing
- Enforcement

Scoping of the RI/FS

REMEDIAL INVESTIGATION (RI)

SITE CHARACTERIZATION AND HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENTS

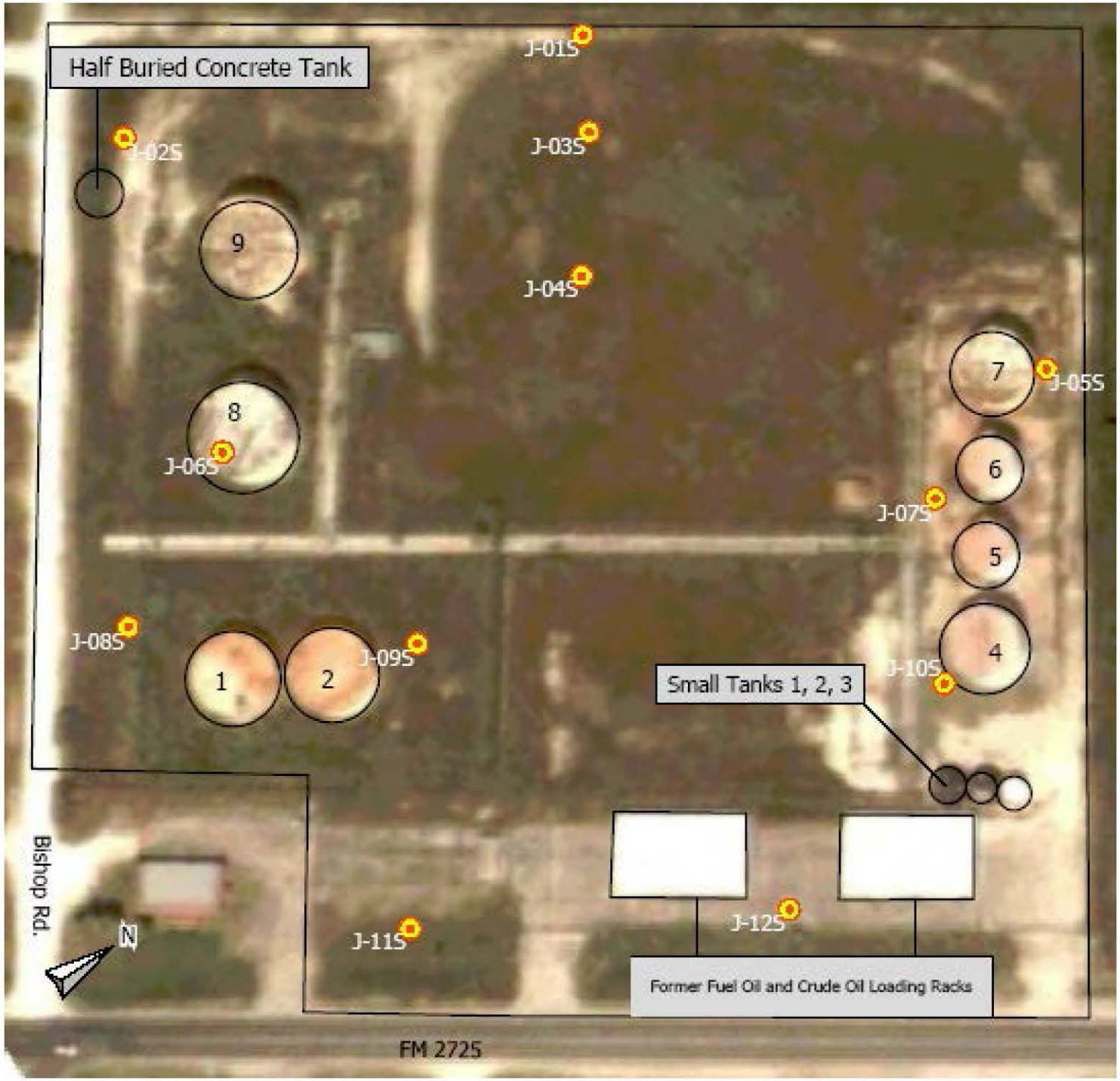
DEVELOPMENT AND SCREENING OF REMEDIAL ALTERNATIVES

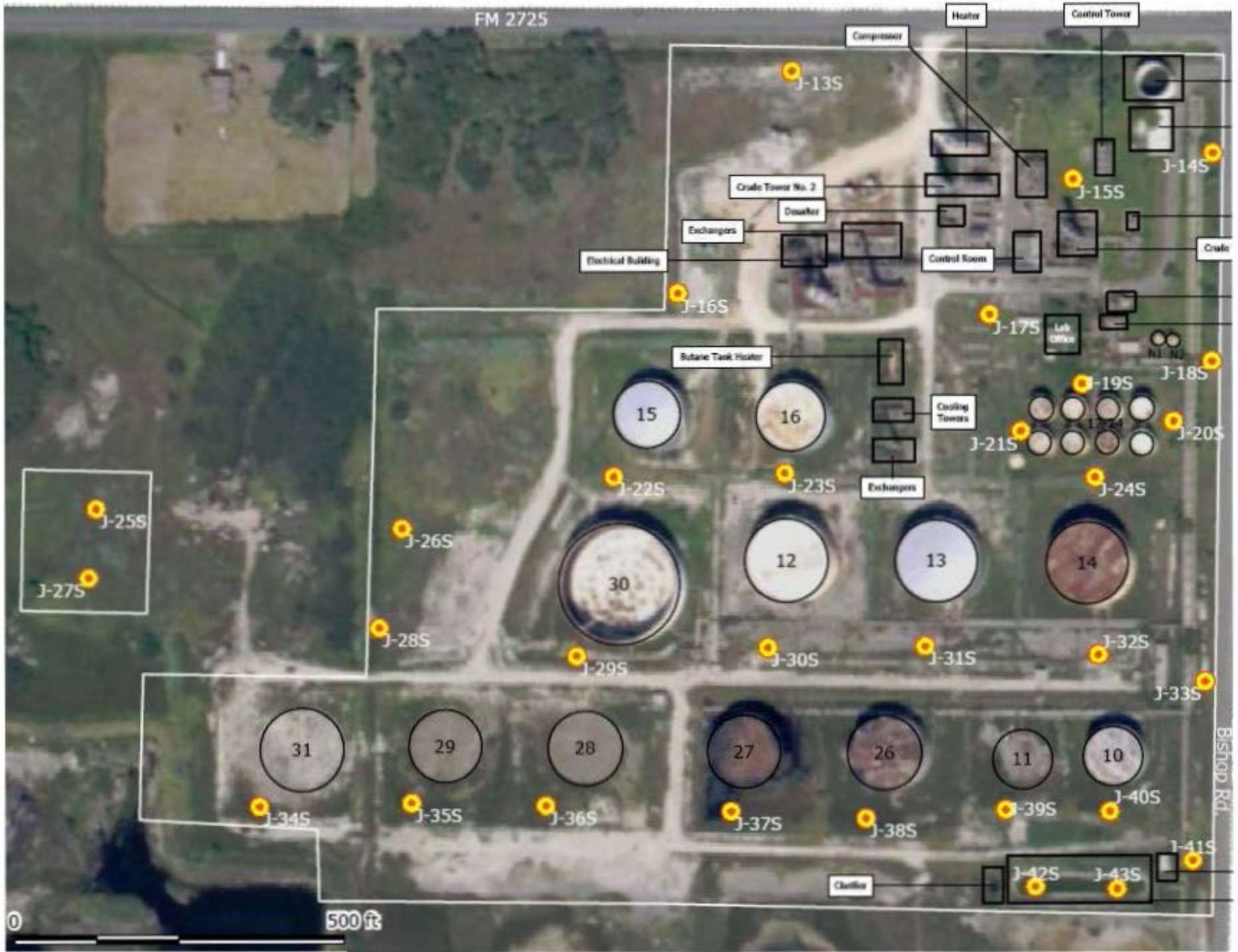
DETAILED ANALYSES OF ALTERNATIVES

FEASIBILITY STUDY (FS)

TO:
- **Proposed Plan**
- Record of Decision (ROD)
- Enforcement
- Remedial Design (RD)
- Remedial Action (RA)
- Operation & Maintenance (O&M)

EPA


Half Buried Concrete Tank
J-01S
J-02S
J-03S
J-04S
J-05S
J-06S
J-07S
J-08S
J-09S
J-10S
J-11S
J-12S
9
8
7
6
5
4
1
2
Small Tanks 1, 2, 3
Former Fuel Oil and Crude Oil Loading Racks
Bishop Rd.
N
FM 2725


FM 2725
Heater
Control Tower
Compressor
J-13S
J-14S
J-15S
Crude Tower No. 2
Desalter
Exchangers
Electrical Building
Control Room
Crude
J-16S
J-17S
Lab Office
N1
N2
J-18S
Butane Tank Heater
J-19S
Cooling Towers
J-20S
J-21S
15
16
J-22S
J-23S
Exchangers
J-24S
J-25S
J-26S
J-27S
30
12
13
14
J-28S
J-29S
J-30S
J-31S
J-32S
J-33S
31
29
28
27
26
11
10
J-34S
J-35S
J-36S
J-37S
J-38S
J-39S
J-40S
J-41S
J-42S
J-43S
Chiller
Bishop Rd.
0
500 ft

FM 2725
G-01S
G-02S
AOC-2
G-03S
G-04S
G-05S
G-06S
G-07S
G-08S
AOC-2
G-09S
G-10S
G-11S
G-12S
AOC-1S
G-13S
G-14S
G-15S
G-16S
G-17S
G-18S
G-19S
G-20S
N
0
500 ft

Sunray Rd.
Current Barge Dock
G-57S
G-59S
G-58S
G-61S
G-60S
N
IntraCoastal Waterway-Redfish Bay

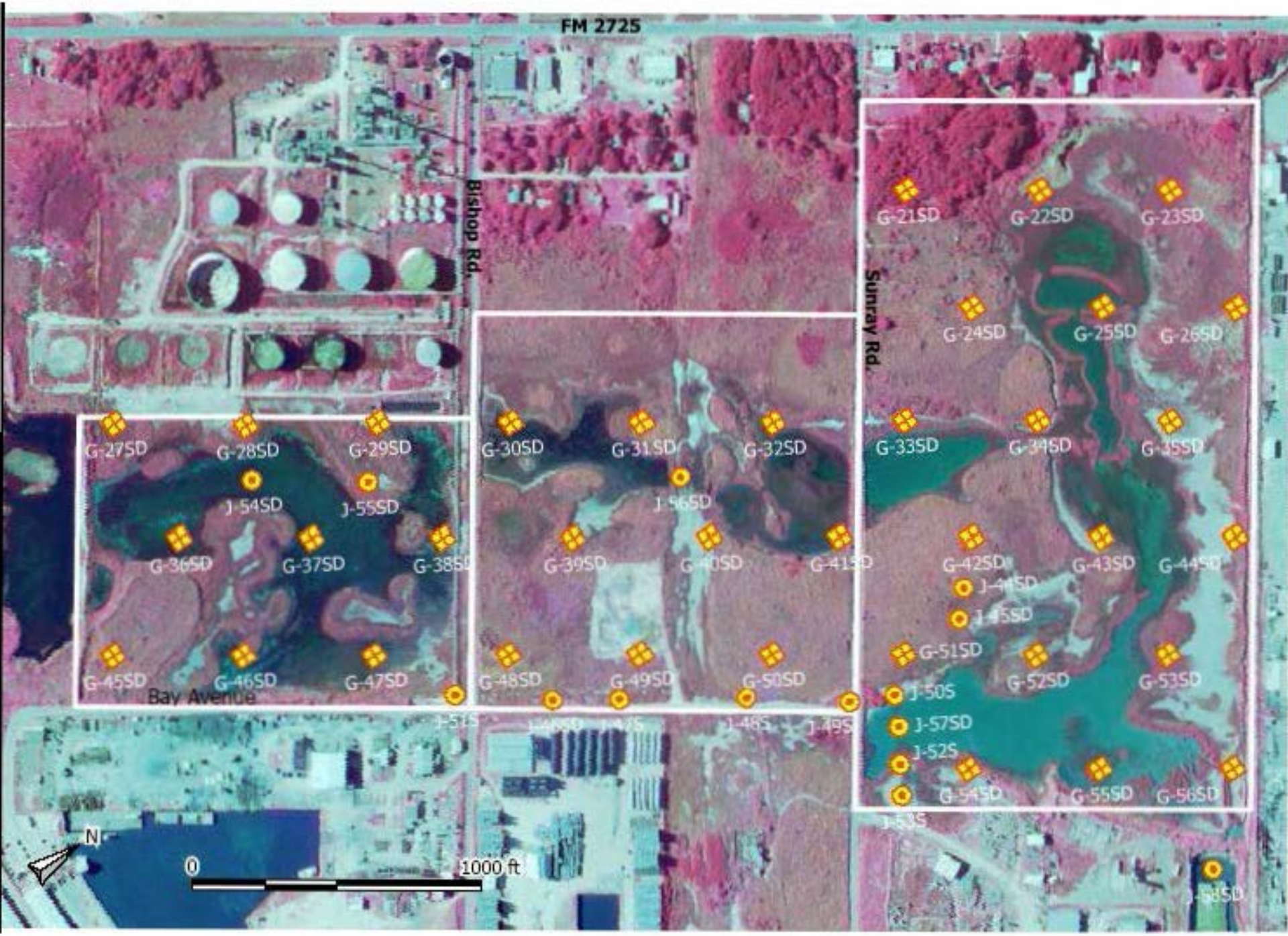
Southern
Supply
ESN
south

Sterilite
Zipper
FREEZER BAGS
Ziploc
Powder-free

TW01-01
Half Buried Concrete Tank
TW01-02
9
8
7
6
TW01-07
5
4
TW01-08
1
2
Small Tanks 1, 2, 3
Bishop Rd.
TW01-11
TW01-12
N
Former Fuel Oil and Crude Oil Loading Racks
FM 2725

FM 2725
Heater
Control Tower
Compressor
TW01-13
TW01-14
Crude Tower No. 2
Desalter
Exchangers
Electrical Building
Control Room
TW01-17
Butane Tank Heater
N1
N2
TW01-18
Cooling Towers
15
16
Bishop Rd.
30
12
13
14
TW01-27
TW01-33
31
29
28
27
26
11
10
TW01-34
TW01-35
TW01-36
TW01-37
TW01-38
TW01-39
TW01-40
Clarifier
500 ft
TW01-41

ENTERPRISE
DATE: 9/07
EXPIRES: 9/08
GULF SOUTH
CONTRACTOR
GOOD
ORIENTATION


FM 2725
Bishop Rd.
Sunray Rd.
Bay Avenue
G-21SD
G-22SD
G-23SD
G-24SD
G-25SD
G-26SD
G-27SD
G-28SD
G-29SD
J-54SD
J-55SD
G-30SD
G-31SD
G-32SD
J-56SD
G-33SD
G-34SD
G-35SD
G-36SD
G-37SD
G-38SD
G-39SD
G-40SD
G-41SD
G-42SD
G-43SD
G-44SD
J-44SD
J-45SD
G-45SD
G-46SD
G-47SD
G-48SD
G-49SD
G-50SD
G-51SD
G-52SD
G-53SD
J-50S
J-57SD
J-52S
G-54SD
G-55SD
G-56SD
J-51S
J-46SD
J-47S
J-48S
J-49S
J-53S
N
0
1000 ft

Sunray Rd.
Former Barge Dock
IntraCoastal Waterway-Redfish Bay
Current Barge Dock
J-61SD
J-60SD
J-59SD

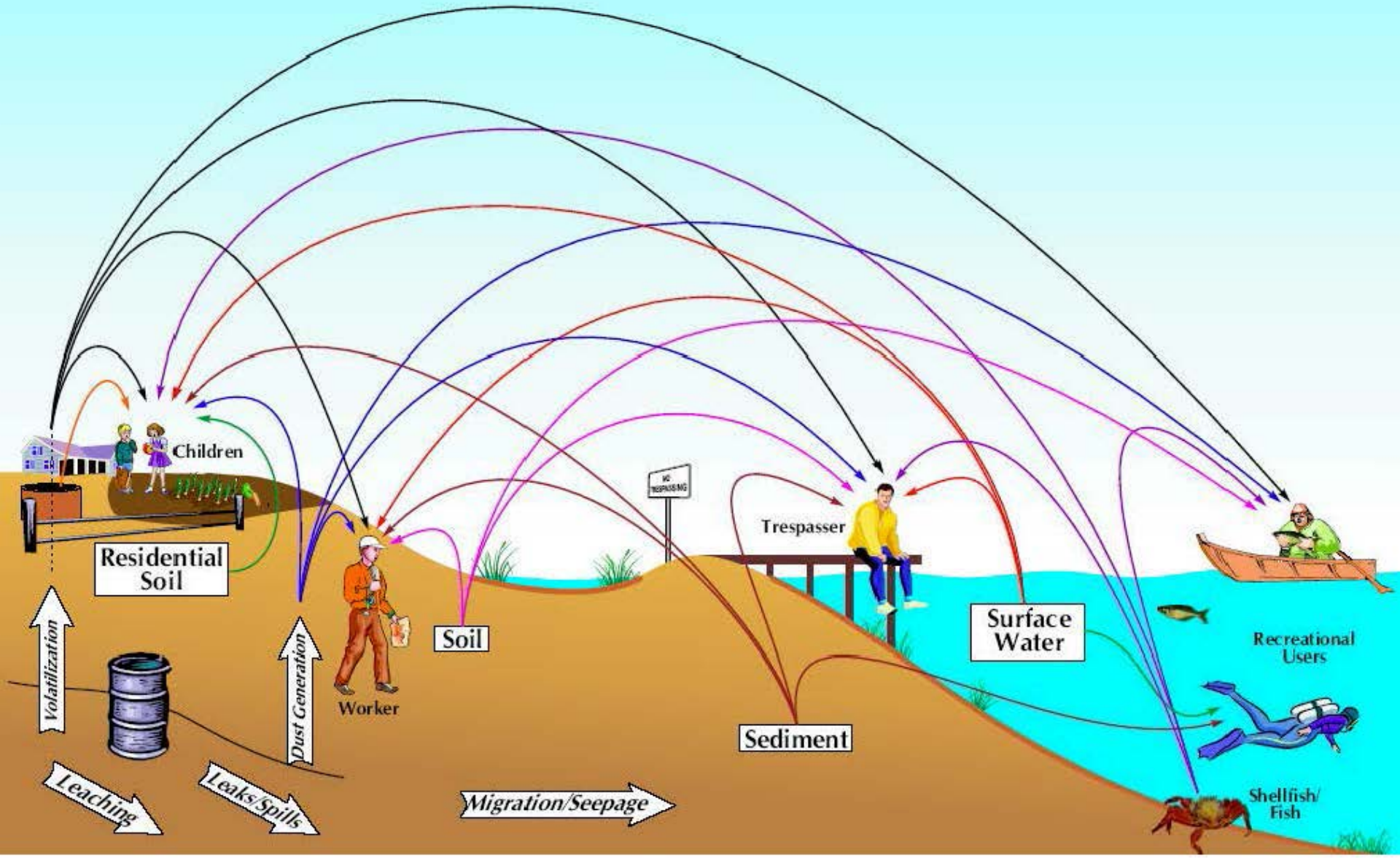
J-62S
J-63S
J-64S
Thayer Rd.
Bishop Rd.

J-66S
J-65S
Bishop Rd.
FM 2725

BG-1S
BG-3S
FM 2725
Bishop Rd.
BG-2S
BG-4S
BG-7SD
BG-8SD
BG-6SD
BG-5SD

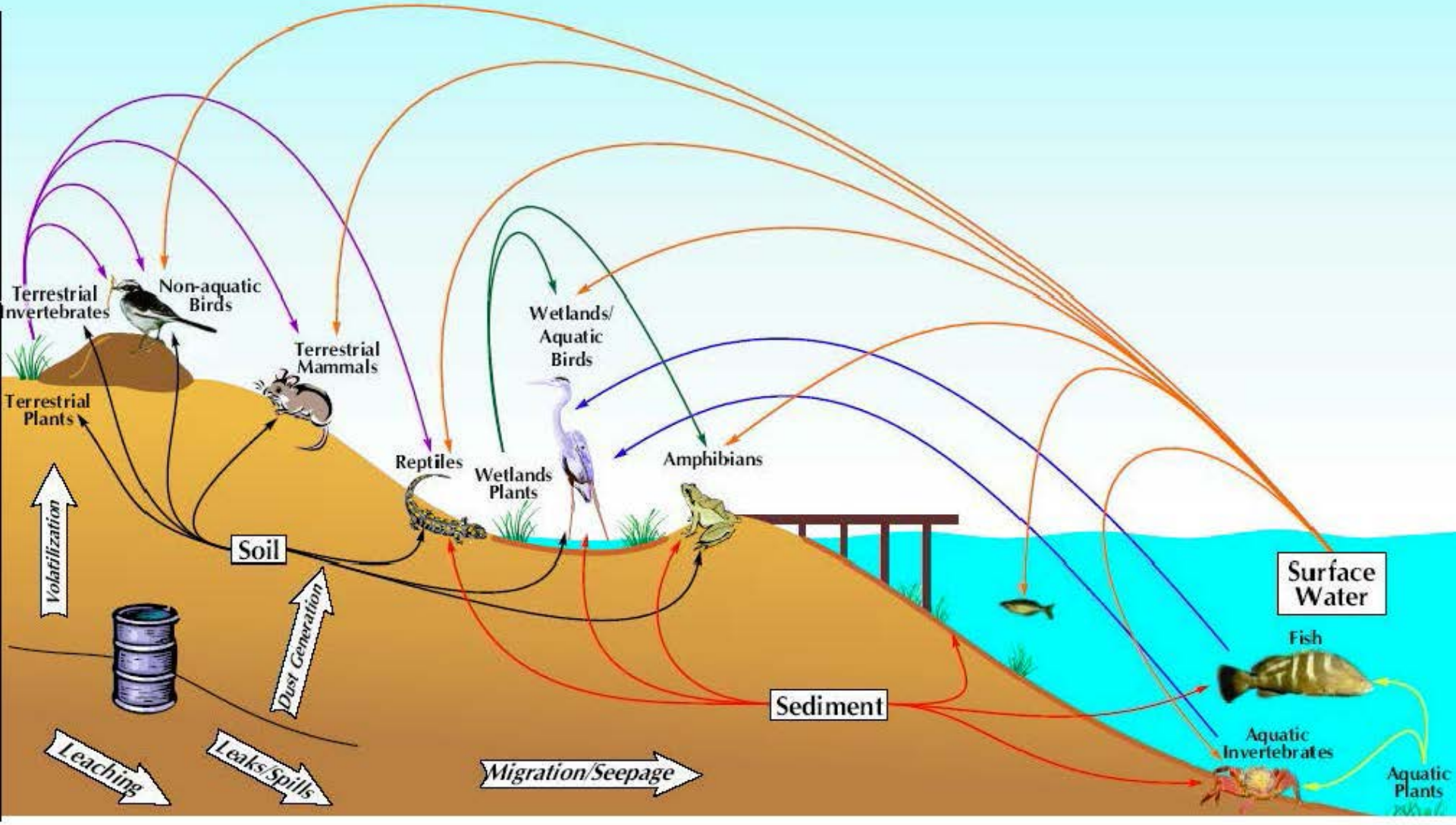
Conceptual Site Model Schematic for Human Receptors

Anna Milburn (EPA)



Conceptual Site Model Schematic for Ecological Receptors

Kenneth Shewmake (EPA)



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EPA

Texas Commission on Environmental Quality

TCEQ's Role in Federal Superfund Process

Phillip Winsor, P.E.

TCEQ's Role in Superfund

- Review Document Submittals to Ensure Compliance with State's Environmental Rules and Regulations
- Documents Reviewed by Lead PM & Team of Technical Experts in Risk Assessment & Natural Resource Impacts

Coordination with Natural Resource Trustees

Tammy Ash (USFWS)

Trustee roles in the remediation of hazardous waste sites

What is a natural resource trustee?

- State or federal representative charged by CERCLA, OPA and NCP to ensure protection and integrity of designated natural resources.
- Federal trustees represent DOC, DOD, DOE, USDA, DOI; state trustees designated by governor.
- Trust resources include: land, fish, wildlife, water, ground water, and other resources.

Trustee Functions

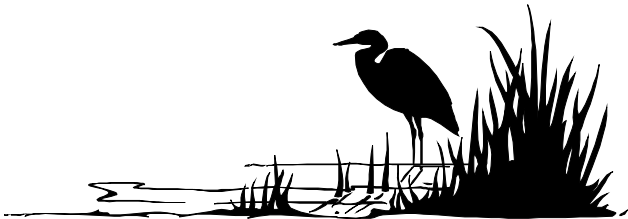
- Provide technical assistance during site investigation.
- Conduct Natural Resource Damage Assessment.

Benefits of Coordination with Trustees

- Additional technical support.
- Streamlines remediation and restoration.
- Time and cost efficient.
- Enhanced resource benefit through coordinated solution.

COMMUNITY INVOLVEMENT

- Technical Assistance Grant
  - Awarded to Coastal Bend Bays Foundation
    - Lois Huff (Executive Director), Terald Smith, P.G. (Naismith Engineering, Technical Advisor)
    - $50,000
    - For a local citizens' group to secure the services of a technical advisor to increase citizen understanding of information that will be developed about the Site.
- Site Repository – Ingleside Public Library
  - Contains information concerning the Site.
- Internet Site
  - http://www.epa.gov/earth1r6/6sf/6sf-tx.htm
- Mailing List

EPA CONTACTS*

- Remedial Project Manager: Rafael Casanova, P.G.
  - (214) 665-7437, casanova.rafael@epa.gov
- Ecological Risk Assessor: Kenneth Shewmake
  - (214) 665-3198, shewmake.kenneth@epa.gov
- Human Health Risk Assessor: Anna Milburn
  - (214) 665-8348, milburn.anna@epa.gov
- Attorney: Gloria Moran
  - (214) 665-3193, moran.gloria-small@epa.gov
- *Toll-Free Number: 1-800-533-3508