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NCBC GULFPORT  
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TIER I PARTNERING TEAM MEETING MINUTES 15 AND 16 JULY 2014 NCBC GULFPORT  
MS  
7/15/2014  
TETRA TECH

**NCBC GULFPORT TIER I PARTNERING TEAM MEETING MINUTES  
GULFPORT, MISSISSIPPI  
JULY 15-16, 2014**

**MEETING ATTENDEES**

**Core Team Members:**

Gordon Crane	NCBC Gulfport, IRP Manager
Dave Felter	Resolution Consultant, Project Manager
Bob Fisher	Navy RPM
Bob Merrill	MDEQ Regulator
Greg Roof	Tetra Tech, Project Manager

**Adjunct Members/Guests:**

Libby Claggett	Tetra Tech, Scribe
Jim Dunn	CB&I (Day 1)
Paul Jobmann	Resolution Consultants
Lisa Noble	NCBC Gulfport
Bill Olson	Tetra Tech
Jon Overholtzer	CH2M HILL, Project Manager
Derrick Rogers	Aerostar (Day 2)
Nancy Rouse	The Management Edge, Facilitator

**Absent:**

**1. Meeting Opening**

The meeting began at 9:30 a.m. CT. The Team checked in and shared events since the last meeting. The ground rules were read. The meeting leader will be Bob Fisher, and the timekeeper will be Bob Merrill.

**2. Approval of Minutes**

Team members reviewed and approved the April 2014 minutes.

**Consensus Item:** The April 2014 meeting minutes were approved as final.

Team members reviewed action items under the topics with which they were related.

**General Action Items**

A-0114-01	<del>Gordon</del> -Nancy	<b>Done</b>	By 1/30/2014	Gordon is to provide Nancy and Libby with the newest installation map with IR sites and Site 11. <b>Update: 04-2014:</b> Nancy has the map and will send out to the Team. <b>Update 07-2014:</b> Jon sent the map to Team members.
A-0414-05	Bill Olson	<b>Done</b>	By 4/18/2014	Bill is to send meeting presentations electronically to Lisa Noble.
A-0414-06	Nancy Rouse	<b>Done</b>	By 4/30/2014	Nancy is to send Libby the electronic files of past poster presentations.

**Action Item:** Bob Fisher is to send the NIRIS Quick Start Guide and Quick Access Guide to Team members.

PKI Certificates will no longer be used for NIRIS access. The Quick Access Guide will describe the new process for NIRIS access.

*These minutes are a summary based on informal notes taken at the meeting. They are not intended as a verbatim transcript and may not have captured everything that was discussed.*

Administrative Records will be available online in lieu of hardcopies at the installation or at a library. The EPA has agreed to the process.

The NCBC Gulfport public web page is being effectively used for community outreach. Veterans, lawyers, and the community are reviewing the web page for information.

There is a requirement that LUC inspections be loaded into NIRIS LUC Tracker. It can be done either by Bob Fisher or by the installation. There is a backlog across the country to load the inspections into NIRIS.

**Action Item:** Bob Fisher is to show people in Gordon's office how to use the LUC Tracker.

### 3. Previous Plus/Delta and Parking Lot

Team members reviewed and updated the parking lot and reviewed the April 2014 plus/deltas.

Plus/Delta	
+	Δ
Good information exchange	Trouble with projector screen
Site 8 reassessment presentation	Check-ins are sometimes interrupted
Overcame meeting space obstacles	
Robust discussion on the Site 2 borrow pit	
Good attitudes	
Accomplished a lot (CNO and CIP discussions)	
Strategic planning for Site 8	

### 4. Agenda Review

Team members reviewed the agenda and made modifications accordingly.

### 5. Integration of CLEAN Contractors

Dave Felter will become a core member of the Team with Paul Jobmann becoming an adjunct member of the Team. The official welcoming of the new Team members will be done at the next meeting due to time constraints.

### 6. Base Update

The off-site property road removal is going well. The timber will be disposed of in the City's landfill north of the installation. Reuse of the timber is being investigated. The owners want to sell their property to the government; there is a new program (Readiness and Environmental Protection Initiative [REPI]) that the Navy and Natural Resources Trustees are looking into. The program benefits the services by protecting against encroachment and protects the people and environment by securing property for long-term environmental protection.

### 7. RPM Update

The Site 8 cost model changes have been accepted and are now part of the program.

Bob F. may have an assistant RPM assigned to him, but nothing is official at this time. Bob F. stated he would remain engaged with Site 8 even if a new RPM is assigned to the installation. A new RPM is coming to NAVFAC this week and will join the Southeast Team. RPM changes have not been decided at this time.

The MRP Program is no longer active at NCBC Gulfport, and no further action will be taken. The MRP program will be closed out at the Preliminary Assessment stage.

Contracting for the installation is finished for this year, and the FY 15 plan is being reviewed. Additional potential funding for Sites 7 and 8 are being requested. Bob F. does not see any issues with receiving the planned funding.

### 8. Tier II Update

The next Tier II meeting has been delayed until September 2014. NCBC Gulfport and NAS Meridian are the most active installations. Bob F. is looking into using more background studies to focus more on site contaminants and shortening the process of site cleanup; Tier II seems to be in agreement thus far.

NAVFAC SE picked up a substantial footprint of Midwest, which is no longer. Bob F. will be picking up more work from that, but will turn it over as soon as possible. Crane was not an installation that was moved to NAVFAC SE.

### 9. Site 2 Proposed Plan, Fact Sheet, and Draft Remedial Design

A-0414-01	Greg Roof	<b>Done</b>	When d-f report is submitted	Greg is to adjust the draft-final Site 2 FS Report and change the term "pond" to "borrow pit".
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Changes in the remedial action at Site 1 resulted in additional funds that will be used for Site 2. Site 2 is being fast-tracked to use the Site 1 RAC underrun money and remediate both sites at the same time. It is anticipated that CB&I will be in the field at Site 1 after Labor Day, but can wait until the Site 2 documentation is in place before mobilizing. Site 2 will have a soil cover with LUCs and monitoring.

The Site 2 RI is finished. The FS was sent draft-final for regulatory review on June 4, 2014.

**Action Item:** Greg is to send Bob M. the redline of the Site 2 FS. **Done**

Lisa commented the CO asked about the cost of complete remediation for Site 1. Bob F. stated the EPA has guidance, but their threshold is about 1 acre. Historically, digging to clean anything over 1 acre is not cost effective. Site 2 is more than 1 acre.

The Proposed Plan is currently in Navy review. The Decision Document is in Tetra Tech internal review, and the Remedial Design is anticipated to be out by September 2014.

There is one soil sample at the northeastern portion of Site 2 that contains dioxin. The dioxin sample will be remediated with the Site 7 design. The issue will be discussed in the Proposed Plan and Design Document for Site 2. A Nationwide 38 Permit has been filed for Site 2 for filling in the pond.

**Action Item:** Greg is to ensure the dioxin sample is discussed in the Proposed Plan and Design Document for Site 2.

**Action Item:** Greg is to adjust the Site 2 Decision Document to have the figures show the Site 7 boundary.

**Action Item:** Greg is to send Jim Dunn the Site 2 Basis of Design for quantities.

Greg asked if sod or hydroseed would be preferred at Site 2. If the site is to be used immediately for training purposes, sod would be the better option. Bob F. agreed sod would be best. It is anticipated that training can begin approximately 6 weeks after the sod is put down. The pond will be filled with sand, since this is the cheapest method. Field work is anticipated to begin in October 2014.

A public meeting will need to be held for Site 2. The meeting does not need to be in conjunction with a RAB meeting. According to CERCLA, a public meeting is not required, but the Navy likes to have one. The earliest a public meeting can be held is after Navy legal review of the Proposed Plan. It was suggested to plan the meeting for Thursday, August 14, 2014, during the day at the public library.

**Action Item:** Gordon is to check if the library is available for a public meeting for Site 2 on Thursday, August 14, 2014, at 1:00 p.m. CT.

## 10. Site 3 Construction Update/Off Base Areas of Concern

Jon provided a presentation on the Remedial Action at Site 3. Contaminated soil was excavated, 2 feet of fill was put across the site, and two ball fields were constructed. The flush mount monitoring wells are developed and ready for use. The turf has been down for about a month, and has been cut once. The walk-through will be conducted tomorrow, July 16, 2014.

Jon also provided a presentation on the removal of the off base haul roads associated with Site 8. Discussion ensued as to whether or not the swamp water gushing to the creek would have contained contamination or if the logs had been in contact with contamination. Bob F. said the swamp water and logs were not in the area of contamination/excavation. If the logs are not disposed via the City's landfill, there would be a cost savings; however, if the logs are given/sold to someone, could there be a possibility of a liable situation? If it is safe, there is an opportunity for recycling; the cost is not an issue. It was suggested to pressure wash the logs before they leave the site. Bob F. he would need to check with Navy legal before making a decision. Lisa said she would need to let the CO know about any arrangement beforehand as well.

Each team member shared their idea of what to do with the logs. Greg said he does not recommend let the logs off site, since they may have dioxin. Jon stated he would need input from the attorney, and if the attorney is okay, let the logs go for recycling. Jim said since there is no control over what is done with the logs once they are off site, take them to the landfill. Paul and Dave agreed they need to go to the landfill. Gordon said to take them to the landfill. Bill said the return is minimal and to take them to the landfill. Lisa agreed they need to go to the landfill. Bob M. said the safe option would be the landfill. Bob F. also agreed they need to go to the landfill. The Team agreed the logs should go to the City's landfill and not to pursue the option of sending the logs off for recycling.

## 11. Site 7 Update

Bill provided a presentation on the Site 7 Dioxin Delineation Summary. The horizontal extents of dioxin in soil have been delineated. Octo- and hepta-chlorinated dioxins are ubiquitous in soil. Dioxin impact to groundwater was not detected. The GPR survey detected anomalies consistent with buried drum-sized metallic objects. Test pits will be excavated (trenched) to evaluate the GPR anomalies and to collect soil samples. The Health and Safety Plan for the trenching is being prepared. Trenching is anticipated to begin in about 1 month.

Concern was expressed about what the workers would be wearing (since Site 7 is near housing) and informing the public of what is happening. Jim said they could wear blue Tyvek instead of white, which is generally not questioned. Respiratory requirements are not applicable at Site 7. The information could be presented at the RAB meeting in October 2014. Team members agreed the blue Tyvek would be better for this site, and Bill will have the information included in the HASP. Gordon suggested developing a 1-page information sheet to be sent to the people in housing near Site 7.

**Action Item:** Bill is to ensure that blue Tyvek (in lieu of white) for the workers will be stated in the Site 7 HASP.

Bob F. stated that when the trenches are dug and a drum is found, he wants a sample taken at depth. Bob F. also suggested that someone from Resolution Consultants be at the site when the dig happens since they will eventually take over this site.

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**Action Item:** Bill is to inform Paul and Dave (Resolution Consultants) of when the trenches will be dug at Site 7.

**Action Item:** Greg is to develop a 1-page information sheet to be given to people in housing near Site 7.

## 12. Site 1 Update

The Proposed Plan is finished. There were no public comments. The draft-final Decision Document is in regulatory review. The Remedial Design is in Navy review (Bob F. already okayed and Gordon is still reviewing). After receiving an email from Gordon stating he has no comments on the Remedial Design, the draft-final will be sent to Bob M. for regulatory review. Jim is preparing the work plans (currently in internal review) and anticipates beginning work in October at the earliest in conjunction with Site 2. The materials are in the purchasing process. The work plans should be in Navy review in 2 to 3 weeks. Work is expected to be completed in January 2015.

**Action Item:** Bob F. is to send the CTO JM44 concurrence letter to Tetra Tech.

## 13. Site 8 Draft Work Plan for Remedy Optimization Phase I

A-0114-04	Greg Roof	<b>OBE</b>	By 1/30/2014	Greg is to provide pricing on installing wattles around the mounds at Sites 8B and 8C and include in the concurrence letter. <b>Update 04-2014:</b> Greg has the pricing and is working on the concurrence letter.
A-0414-03	Tetra Tech	<b>Done</b>	By 5/31/2014	Tetra Tech is to collect two samples to be analyzed for dioxins along the 28 <sup>th</sup> Street culverts.

Bill provided a presentation on the Site 8 Remedial Action Optimization. The path forward for Sites 8B and 8C includes evaluating alternative transport paths. Transport paths include the ditch bank source (four locations will be sampled and analyzed for dioxins, TOC, and grain size), overland transport (six locations will be sampled at Site 8B), and bedload sediment transport (three sediment traps will be installed). Five surface soil samples will be collected to complete the delineation of Site 8B. Six surface soil samples will be collected to complete the delineation of Site 8C. Site 8A is covered with concrete, and the remedy is working as planned.

Regarding bedload transport, Dave suggested using high volume samplers (taking a reference sample first) instead of the sediment traps. Discussion ensued.

## 14. Review Day 1

Team members reviewed action items generated on Day 1 and began a plus/delta list.

### DAY 2

The meeting began at 9:30 a.m. CT.

## 15. Check-In/Opening Remarks

Team members shared events of the previous evening.

## 16. Long-term Monitoring

There has not been any sampling conducted since the last meeting. Site wells will be sampled later this month. Off base wells will be sampled when it is dry. When a round of monitoring is completed, either

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Bob F. or the installation people need to enter the data into NIRIS. Site inspections are also to be entered into NIRIS. Both Gordon and Lisa have NIRIS access.

Aerostar will be collecting information for a background study. A virtual UFP-SAP meeting will be held.

**Action Item:** Bob F. is to finalize the MOA for long-term monitoring.

**17. CNO Award Planning/Training**

A-0414-04	Bob Fisher	Ongoing	By 5/16/2014	Bob Fisher is to complete the outline of the CNO award entry and send to Team members for review.
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Team members discussed possible topics for a CNO Award. As part of Team training, Nancy had the Team break up into three groups and use different brainstorming techniques (sticky notes, subgroup, and subset) for possible CNO Award topics. The installation level award can include site reuse, risks and how they were managed, and unique challenges. Community outreach can also be included. The write-up is limited to five or six pages for all discussions. If the installation has gotten an NOV, they are not eligible to apply for a CNO Award. Topics should be from the past two years through November of 2014.

**Action Item:** Gordon is to gather information on the economic impact of the installation.

**TOPICS FOR CNO AWARD**

ATSDR FOIA – Gulfport’s online AR used to perform research

RAB Public Website/Outreach – Increased public outreach opportunities, access to information by Veterans (get information they need from website), public focus groups

Safety – Process to prevent injury, total number of hours worked by all contractors without injury over two years (metrics: no lost time, hours worked without injury, etc.)

Site 1 – Reused and improved for training (training metrics – how much, what types), reduced flooding of operational buildings, optimization to reduce the effort and cost of the remedy without compromising protectiveness, CESE equipment parking lots (reuse)

Site 2 – Optimization to reduce the effort and cost of the remedy without compromising protectiveness (with Sites 1 and 3) (possible optimization category to discuss cost reductions)

Site 3 – Beneficial reuse as a multi-purpose athletic field adjacent to new family housing (quality of life multiplier)

Off Base – Off base AOC haul road removal created 1.5-acre restoration of aquatic habitat, REPI availability, improvement of 1.5-acre upload area, improved relationship with private property owners

Building 398 – DLA transfer site, streamlined process to allow for continued use

Site 8A – Stabilization, concrete laydown, helo heavy lift recovery – reuse

Site 8B – Recap-MILCON project, redevelopment support Base mission, available for reuse, possible solar field (REPO), MILCON final action for the southern portion of the site (risk reduction, cost avoidance, conservation)

Partnerships – City of Gulfport, USACE, Mississippi Wildlife, list from Gordon (CPLO)

The next step is Bob F. will take the list of topics and put them into the appropriate headers (outline) and send to Team members. Nancy and Gordon will provide information for the RAB topic. Other Team members will be asked to provide information for other parts of the outline. The outline needs to be sent to the Team by August 15, 2014. A draft review will be held afterward. The command endorsement needs to be done by October 10, 2014. There can be up to 8 images and 7 pages of text.

### 18. Community Involvement/Community Involvement Plan

A-0414-02	Gordon and Nancy	Ongoing	By 5/15/2014	Gordon and Nancy are to revise the CIP and send to Bob Fisher for finalization in-house.
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Nancy provided copies of the draft CIP from September 2012, copies of the Community Involvement Plan (CIP) Implementation Review and Implementation Strategy, and a presentation on "Review of the 2011 CIP Recommendation".

Team members discussed different activities on the strategy to determine if they were still applicable at this time. The following activities will be investigated further and possibly included in the CIP:

- 1A Outreach for web page
  - Put web link of base on web page
  - Build an email list – automatic notification system on NIRIS
  - Facebook page with link to admin page and NCBC page
  - Public health assessment
- 1B Expand web page in lieu of more face-to-face

**Action Item:** Bob F. is to investigate making a Team web page on Facebook.

**Action Item:** Gordon and Nancy are going to present a revised Strategy at the next meeting.

**Action Item:** Bob F. is to engage the Navy Marine Corps Public Health Service to determine if ATSDR needs to be re-engaged for a public health assessment.

### 19. Exit Strategy Review

Team members reviewed and updated the Exit Strategy accordingly.

### 20. Round Table Discussion

Team members proceeded to discuss topics that were not on the agenda.

### 21. Review Action Items and Consensus Items

Team members reviewed the action items and consensus items.

### 22. Next Tier I and RAB Meeting Dates and Agenda

**Next Meeting:** November 4-5, 2014 (Tuesday and Wednesday), beginning at 9:00 a.m. CT on Day 1

**Location:** Gulfport, Mississippi

**Meeting Leader:** Bob Merrill

**Timekeeper:** Jon Overholtzer

**Next RAB Meeting Date:** Monday, November 3, 2014

November 2014 Proposed Meeting Agenda			
Description	Presenter	Time	Category/Expectation
Meeting Opening: Check in, opening remarks, resource sharing, announcements, head count, and proxy assignments	Leader	15 min	Standard
Review Ground Rules	All	5 min	Standard
Minutes Approval	Leader	5 min	Consensus
Action Item / Parking Lot / Previous +/- Review	Leader	15 min	Standard
Agenda Review	All	5 min	Standard
Site 1 Update	Jim Dunn	30 min	Information
Site 2 Update	Greg Roof	30 min	Information
Site 6 Optimization	Greg Roof	30 min	Discussion
Site 7 Update	Greg Roof	30 min	Information
Site 8 Updates	Greg Roof/ Paul Jobmann	60 min	Discussion
LTM/Background Study Update	Derrick Rogers	30 min	Information
Base Update	Gordon Crane	15 min	Information
RPM Update	Bob Fisher	15 min	Information
Tier II Update	Bob Fisher	15 min	Information
Integration of New CLEAN Contractor	Bob Fisher	30 min	Discussion
Community Involvement Plan / RAB Meeting Review	Gordon Crane	45 min	Information
CNO Award Submittal	Bob Fisher	15 min	Discussion
Exit Strategy Review	Greg Roof	15 min	Standard
Training	Nancy Rouse	60 min	Learning
Round Table Discussion	All	15 min	Standard
Facilitator Feedback	Nancy Rouse	15 min	Standard
Meeting Closeout: Review dates of next meeting, prepare next meeting agenda, review action item list, and create +/- list	Team	30 min	Standard

### Future Meeting Dates

Dates

January 27-28, 2015

Location

Gulfport, Mississippi

### Agenda Calls

Monday, October 6, 2014, 2:00 p.m. EST

Tuesday, January 6, 2015, 2:00 p.m. EST

### 23. October 2014 RAB Meeting Content

Site 7 overall and to include dioxin issues  
Sites 1 and 2 remedial action  
Historical information

**24. Plus/Delta, Meeting Accomplishments, Facilitator Feedback**

Plus/Delta	
+	Δ
Positive social atmosphere	Limited internet access
Off base property timber discussion exercise	
Focused Team discussions	
Nice meeting room	
New Team members integrated seamlessly	
New Team members felt welcomed	
Good presentations	
Team members well prepared	
Good schedule flexibility	
Good participation from Team	
CNO Award discussion	
Effective brainstorming activity	
Site 3 inspection went well	

**Action Item:** Gordon is to investigate getting internet access in the meeting room at NCBC Gulfport.

**Meeting Accomplishments:**

Getting agreement on the path forward for ATSDR  
CNO Award brainstorming  
Site 8 discussion – depth of technical discussions and path forward  
Off base haul road timber disposal

**Facilitator Feedback:**

The Team had good focus. It was a high-focus, fun meeting. New Team members seemed to integrate well. Nancy expressed her appreciation of the banter between the contractors that brings good energy to the meetings. Good problem solving in a couple of areas where agreement was obtained, and the Site 7 discussion was good.

Action Items				
Action Item #	Responsible Party	Status	Due Date	Action Item
A-0114-01	Gordon-Nancy	Done	By 1/30/2014	Gordon is to provide Nancy and Libby with the newest installation map with IR sites and Site 11. <b>Update: 04-2014:</b> Nancy has the map and will send out to the Team. <b>Update 07-2014:</b> Jon sent the map to Team members.
A-0114-04	Greg Roof	OBE	By 1/30/2014	Greg is to provide pricing on installing wattles around the mounds at Sites 8B and 8C and include in the concurrence letter. <b>Update 04-2014:</b> Greg has the pricing and is working on the concurrence letter.
A-0414-01	Greg Roof	Done	When d-f report is submitted	Greg is to adjust the draft-final Site 2 FS Report and change the term “pond” to “borrow pit”.
A-0414-02	Gordon and Nancy	Ongoing	By 5/15/2014	Gordon and Nancy are to revise the CIP and send to Bob Fisher for finalization in-house.

Action Items				
Action Item #	Responsible Party	Status	Due Date	Action Item
A-0414-03	Tetra Tech	Done	By 5/31/2014	Tetra Tech is to collect two samples to be analyzed for dioxins along the 28 <sup>th</sup> Street culverts.
A-0414-04	Bob Fisher	Ongoing	By 5/16/2014	Bob Fisher is to complete the outline of the CNO award entry and send to Team members for review.
A-0414-05	Bill Olson	Done	By 4/18/2014	Bill is to send meeting presentations electronically to Lisa Noble.
A-0414-06	Nancy Rouse	Done	By 4/30/2014	Nancy is to send Libby the electronic files of past poster presentations.
A-0714-01	Bob Fisher		By 7/22/2014	Bob Fisher is to send the NIRIS Quick Start Guide and Quick Access Guide to Team members.
A-0714-02	Bob Fisher		By 7/17/2014	Bob Fisher is to show people in Gordon's office how to use the LUC Tracker.
A-0714-03	Greg Roof	Done		Greg is to send Bob M. the redline of the Site 2 FS.
A-0714-04	Greg Roof		Before issuing the final	Greg is to ensure the dioxin sample is discussed in the Proposed Plan and Design Document for Site 2.
A-0714-05	Greg Roof		Before issuing the final	Greg is to adjust the Site 2 Decision Document to have the figures show the Site 7 boundary.
A-0714-06	Greg Roof		By 8/1/2014	Greg is to send Jim Dunn the Site 2 Basis of Design for quantities.
A-0714-07	Gordon Crane		By 7/18/2014	Gordon is to check if the library is available for a public meeting for Site 2 on Thursday, August 14, 2014, at 1:00 p.m. CT.
A-0714-08	Bill Olson		Before issuing the document	Bill is to ensure that blue Tyvek (in lieu of white) for the workers will be stated in the Site 7 HASP.
A-0714-09	Bill Olson		Before digging the trenches	Bill is to inform the Team of when the trenches will be dug at Site 7.
A-0714-10	Greg Roof		By 8/1/2014	Greg is to develop a 1-page information sheet to be given to people in housing near Site 7.
A-0714-11	Bob Fisher		By 8/31/2014	Bob F. is to send the CTO JM44 concurrence letter to Tetra Tech.
A-0714-12	Gordon Crane		Before the next meeting	Gordon is to investigate getting internet access in the meeting room at NCBC Gulfport.
A-0714-13	Bob Fisher		Before the next meeting	Bob F. is to finalize the MOA for long-term monitoring.
A-0714-14	Gordon Crane		By 8/15/2014	Gordon is to gather information on the economic impact of the installation.
A-0714-15	Bob Fisher		By 8/15/2014	Bob F. is to investigate making a Team web page on Facebook.
A-0714-16	Gordon and Nancy		By the next meeting	Gordon and Nancy are going to present a revised Strategy at the next meeting.
A-0714-17	Bob Fisher		By 8/15/2014	Bob F. is to engage the Navy Marine Corps Public Health Service to determine if ATSDR needs to be re-engaged for a public health assessment.

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Consensus Number	Consensus Items
C-0712-01	The April 2012 meeting minutes were approved as final.
C-0712-02	Team members reached consensus to have a monthly call on the first Monday of the month at 2:00 p.m. EST. If the first Monday is a holiday, the conference call be held the following Monday.
C-0712-03	The Team reached consensus that the RAC member's status on the Team will be changed from core to adjunct due to reduced activity.
C-0113-01	The July 2012 meeting minutes were approved as final.
C-0113-02	Team members reached consensus that the web site will be developed using the rapid website approach.
C-0113-03	The Team reached consensus to have a full day meeting on Wednesday, April 17, 2013, and a ½ day meeting on Thursday, April 18, 2013, with the RAB meeting on Thursday, April 18, 2013, in the evening.
C-0413-01	The January 2013 meeting minutes were approved as final.
C-0413-02	The Team reached consensus that the Site 8 LUC boundaries should be extended to include the on-site impacted ditches.
C-0713-01	The April 2013 meeting minutes were approved as final.
C-1013-01	The July 2013 meeting minutes were approved as final.
C-1013-02	The Team reached consensus to install sediment recovery traps at Sites 8B and 8C.
C-0114-01	The October 2013 meeting minutes were approved as final.
C-0414-01	The January 2014 meeting minutes were approved as final.
C-0714-01	The April 2014 meeting minutes were approved as final.

Parking Lot		
Item Number	Status	Parking Lot Issue
P-1211-03	Ongoing	Site 6 DD <b>Update 07/2012:</b> During the 5 year review, Steve Beverly stated that Site 6 should have a DD. Waiting on funding.
P-1211-04	Ongoing	Site 8 off-site AOCs – LUCs and LTM Off-base area LUCs – Gordon suggested getting all parties involved to discuss. Charles stated there would have to be a call every other week with Navy legal and others.
P-0714-01		Virtual RAB



# *Haul Road Removal NCBC Gulfport, MS*

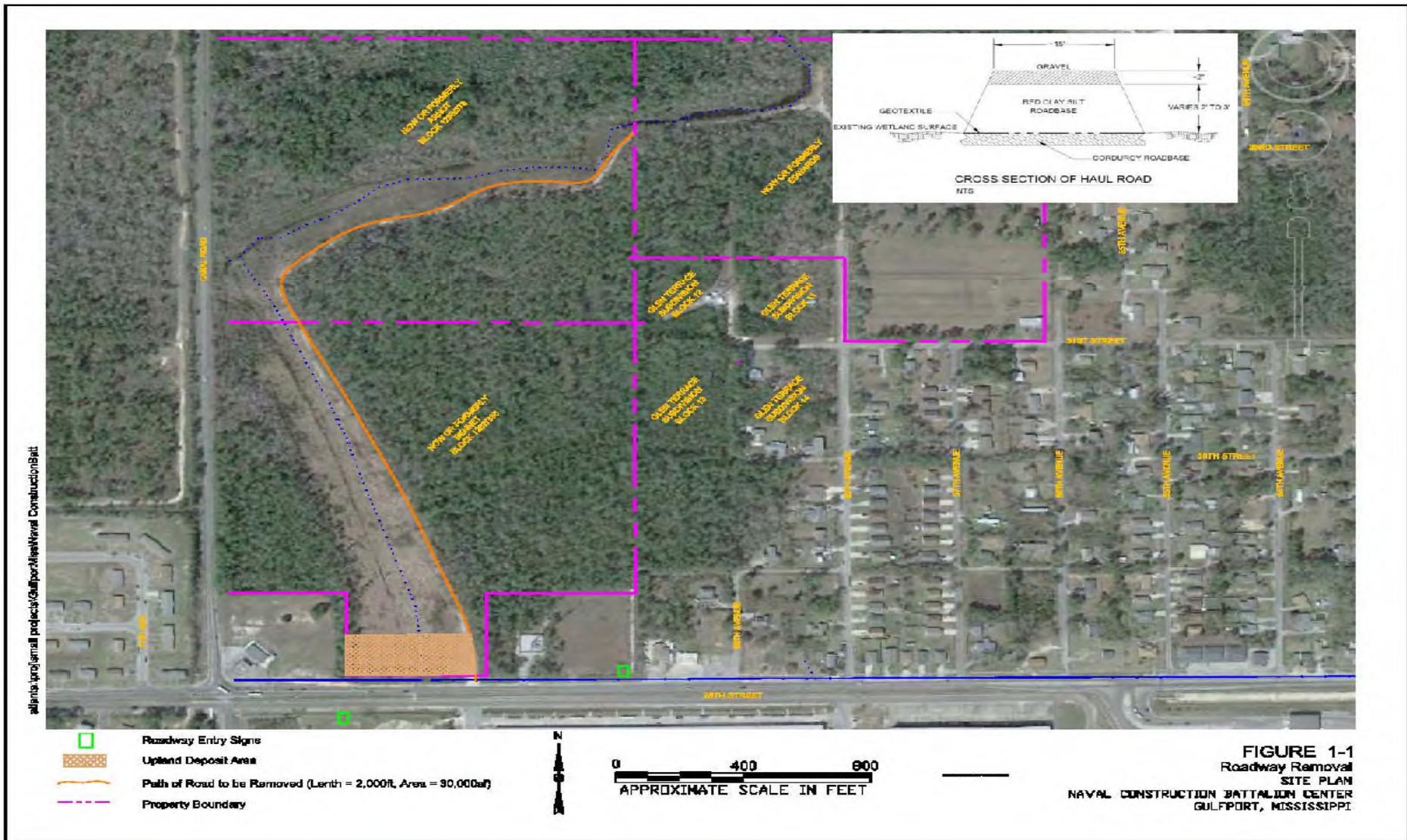


## *Project Summary*

- Remove a 2,750 feet long, 15 feet wide, and 2 feet thick corduroy haul road
- Extract a layer of 15 feet long logs from under the roadbed and dispose off site
- Remove soil roadbed and place in a new 420 feet by 160 feet earthen pad along paved road
- Restore path of roadbed to the surrounding wetlands

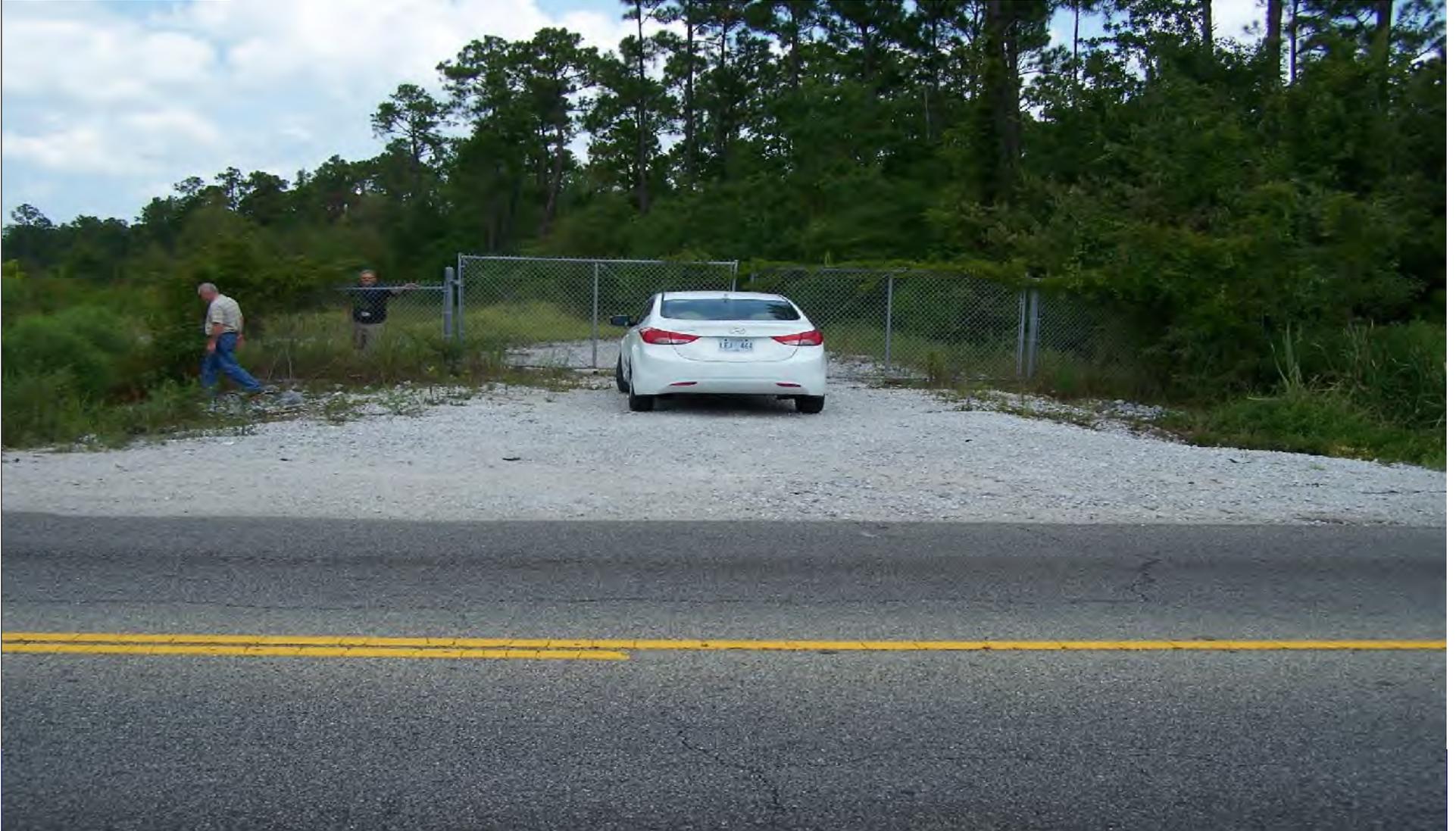


# Location of Project





# *Entry to Haul Road at 28<sup>th</sup> Street*





# *The Road is Here Somewhere*





# *North End Before Removal*





# *Overgrown Road at the South End*





# *Excavator Clearing Trees and Shrubs from Roadway*





# *Prepared Roadway for Hauling*





# *Material Being Placed on Roadway*





# *Improved Roadway for Hauling*





# *South End Ready for Hauling*



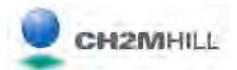


# *First Layer of Soil Removed at Edward's Property*





# *Getting Started at Edwards Property Line*





# *Initial Removal of Soil and Logs at Edwards Property Line*





# *Two Cris-Crossed Layers of Logs Piled for Removal*





# *End of Road at the Edward's Property with Breached Causeway*





# *Upland Area at 28<sup>th</sup> Street for Fill*





# *New Earth Pad Filling Starts*





# *New Pad is Incrementally Built*



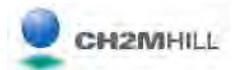


# *Cutting Logs to Length for Transport to Landfill*





# *Logs Stacked for Removal to the Landfill*





# *Working Face as the Swamp Infringes on the Roadway Path*





## *View of the Stripped Roadbed from the Edward's Property*





# *The Rain Arrives*



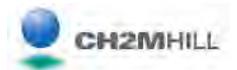


# *Removal Operations Continued in Less than Optimum Conditions*





# *Roadbed Grassed, Mulched, and Flooded by Swamp*





# *Swamp Water Gushes through Roadbed to Creek*





# *Rain Accumulation on the Roadway*





# *Dump Truck Getting some Help from its Friends*





# *Measuring the Final Product*





# *Swamp Reclaims the Roadbed*



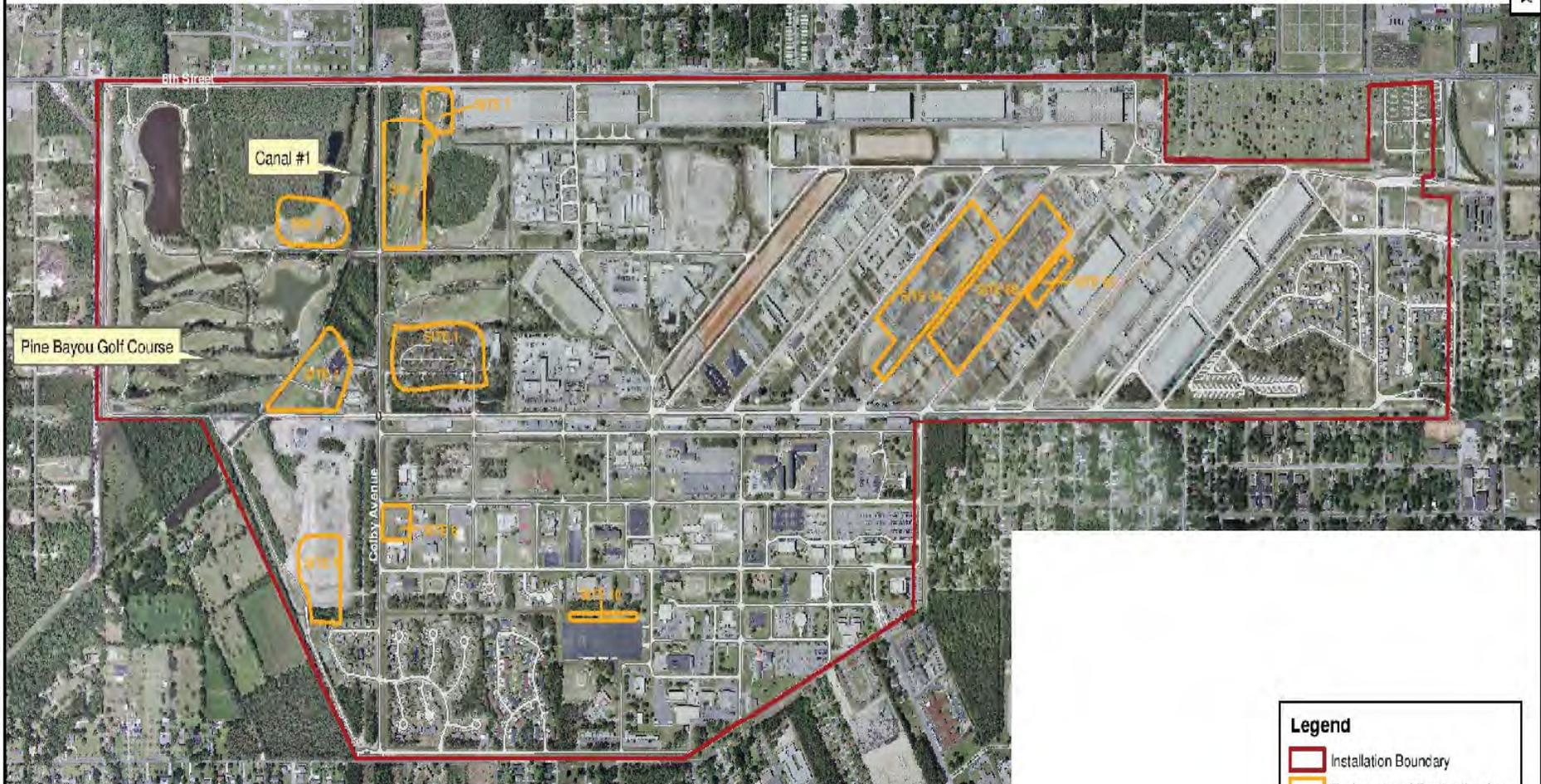


*Remedial Action at  
Site 3  
Northwest Landfill  
NCBC Gulfport, MS*



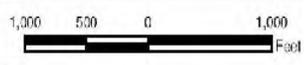
# *Project Summary*

- Remove surficial contaminated soil and place in landfill
- Construct ~2.5 Cover over the Northwest Landfill
- Install turf for two ball fields
- Install irrigation system for ball fields
- Remove corduroy haul road



**Legend**

- Installation Boundary
- Environmental Restoration Area
- Road



DRAWN BY	DATE
K. MUCHE	12/14/09
CHECKED BY	DATE
G. STIEGEL	12/14/09
REVISD BY	DATE
SCALE	AS NOTED



SITE LOCATION MAP  
 SITE 3 FEASIBILITY STUDY  
 NCBC GULFPORT  
 GULFPORT, MISSISSIPPI

CONTRACT NUMBER	
OTO 0041	
APPROVED BY	DATE
APPROVED BY	DATE
FIGURE NO.	REV
FIGURE 1.2	0





# *View East of Site3-Northwest Landfill*





# *Concrete Cart Path and Golf Course Features at Site 3*





# *View North of Site 3-Northwest Landfill from 8<sup>th</sup> Street*





## *View North of Adjacent Canal 1*





## *Silt Fence Trench being Installed Around Downgrade Areas*





# *Silt Fence Installed along the North Boundary of the Site*





# *Clearing and Grubbing of the Surrounding Woods for Cover*





# *Clearing Debris Loaded and Ready to Leave the Site*





# *Conservation of Trees and Protection of Vegetation*





# *Removing the Concrete Cart Path*





# *Removing Common Fill and Topsoil for Reuse*





# *Grading the Site and Retaining the Material for Reuse*





# *Stockpile of Site Topsoil Retained for Reuse*





# *Backfilling Excavation Area*





# *Spreading Topsoil over Excavation Area*





# *Delivery of Common Fill for Cover*





# *Filling the Consolidation Area with Material*





# *Consolidation Area Used to Hold all Contaminated Material*





# *Compacting the Common Fill*





# *Nuclear Density Gauge*





# *Ensuring the Soil is Compacted*





# *And, Then the Rain Came*





# *Drying the Common Fill for Compaction*





# *Spreading Common Fill on the Cover*





# *Irrigation Piping Installed on the Cover*





# *Irrigation System being Installed*



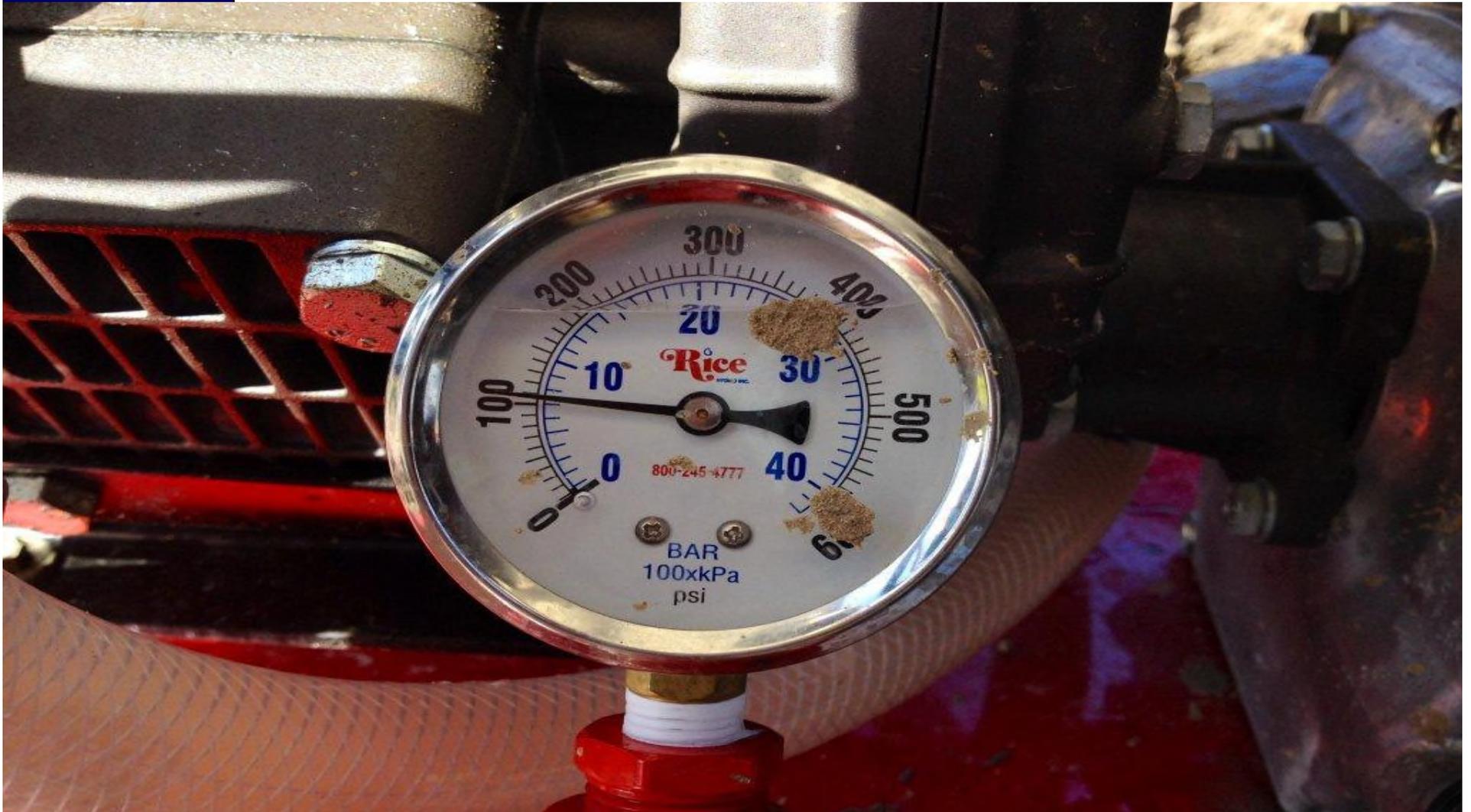


# *Remote Controlled Irrigation System Valves*





# *Pressure Testing the Irrigation System*





# *Magnetic Tape Buried above the PVC Irrigation Pipe*





# *Completing the Flush Mount Monitor Wells*





# *Operator's View of Topsoil Spreading on the Cover*





*Just Making Sure it is Still  
There*





# *Topsoil being Spread over the Cover*





# *Did I Mention the Rain?*





# *The Rain Came With a Vengeance*





# *We Just Stopped Counting*





# *Bermuda 419 Arriving*





# *Turf being Installed on South Side of Landfill*





# *Turf Being Placed on the Cover*





# *The Culverts Being Installed for Ball Field Access*





# *Irrigation System at Work on the Final Product*





*By the Way, It is a Gulf Port*







TETRA TECH

# Site 7 Dioxin Delineation Summary

**Naval Construction Battalion Center  
July, 2014**

# Site 7

- Rubble Landfill, approximately 3 acres for disposal of inert materials
- Reported to be operated from 1978-1984
- HO operations at Site 8 – HO storage 1968-1977, HO incineration 1987-1988
- Site 7 defined in the IAS in 1985
- Material described as inert, no action needed

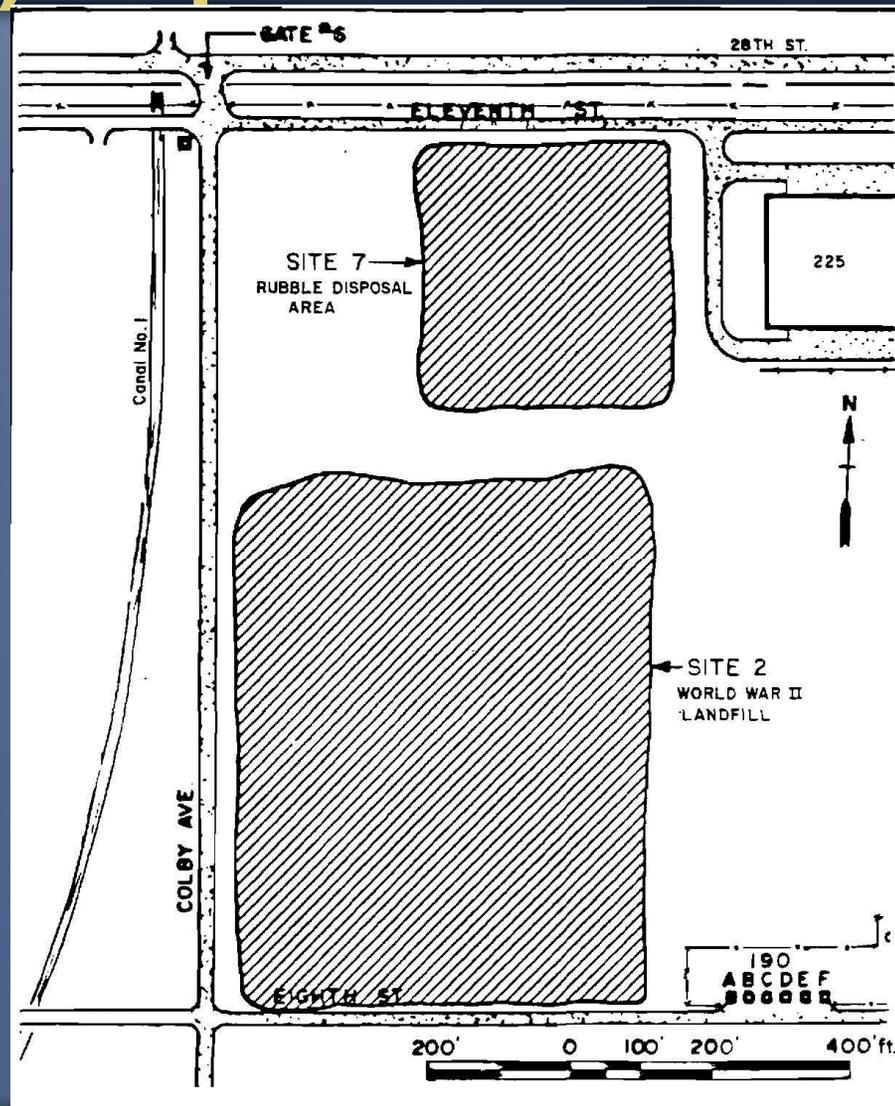
# Site 7 in 1970



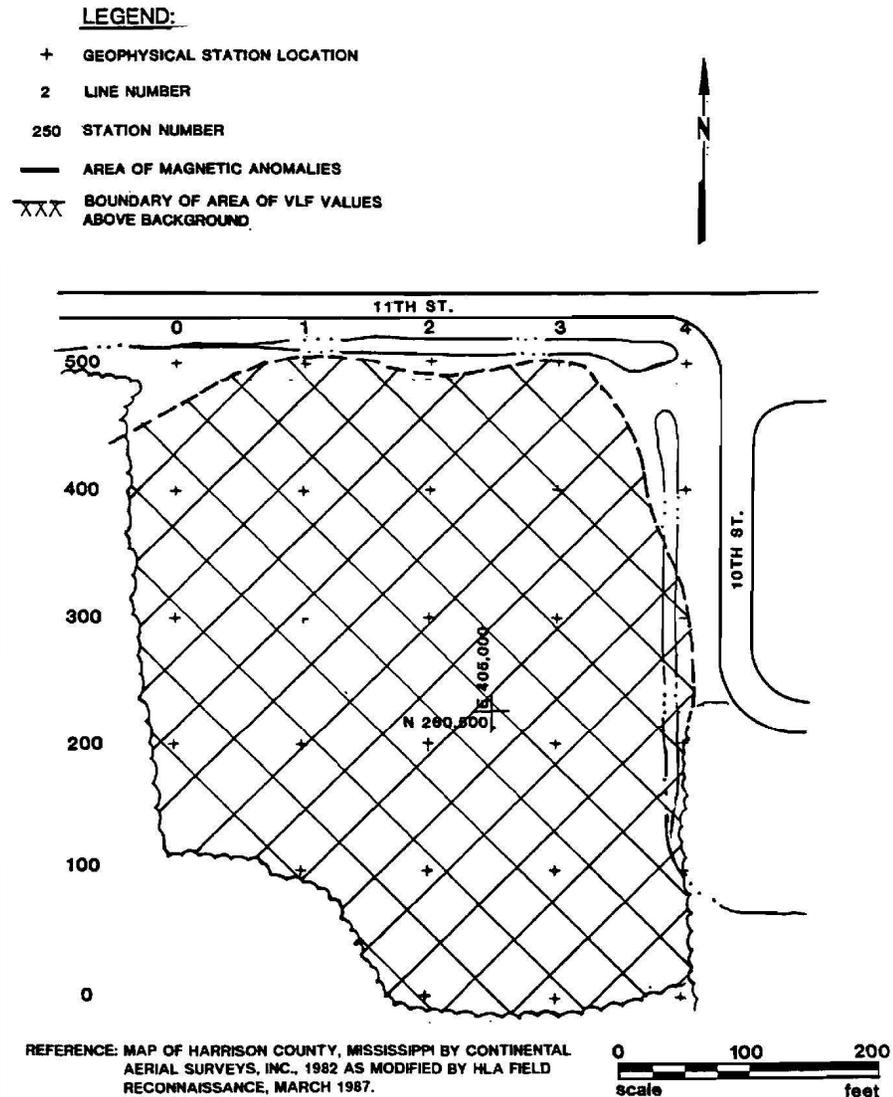
# Site 7 in 1982



# IAS (1985) Map of Site 7



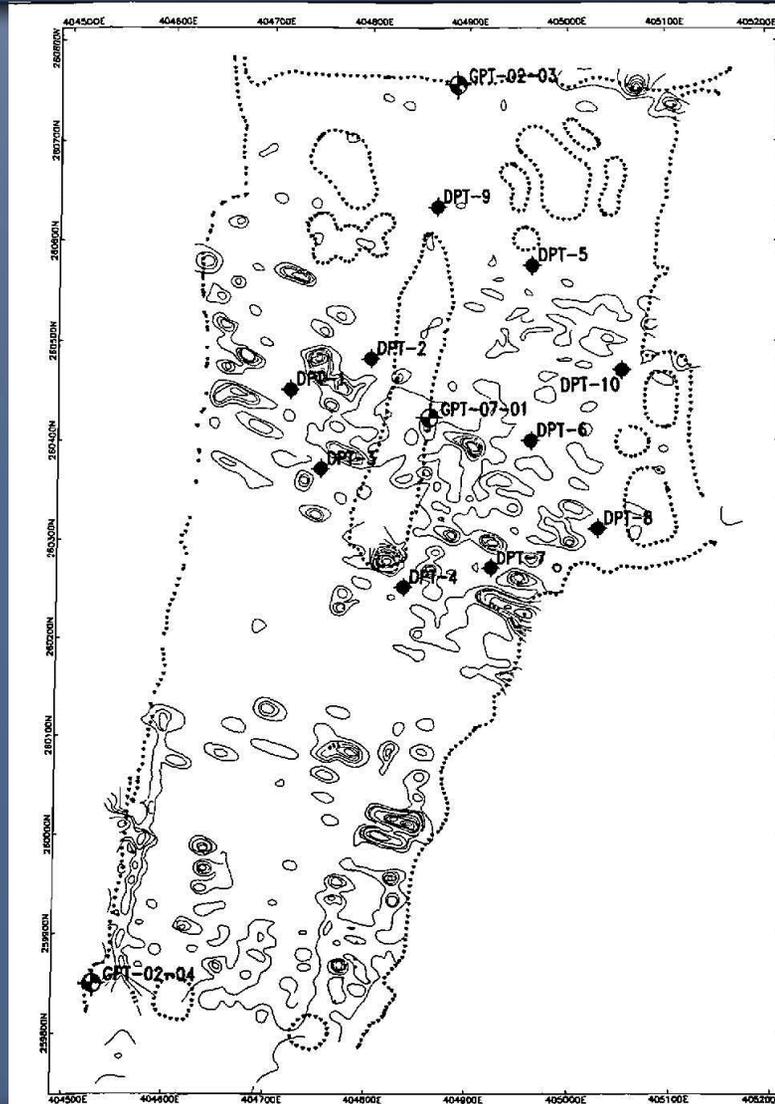
# FVS (1987) Map of Site 7



## Site 7 HLA

- Installed GPT-07-01 in 1999 Basewide Groundwater study
- Groundwater sample had TEQ 51.6 pg/L and TCDD 25.4 pg/L
- EM 61 TDMD survey to look for buried drums
- DPT at 10 locations, 5 sampled
- GPT-07-01 resampled
- Groundwater results less than 1 pg/L TEQ

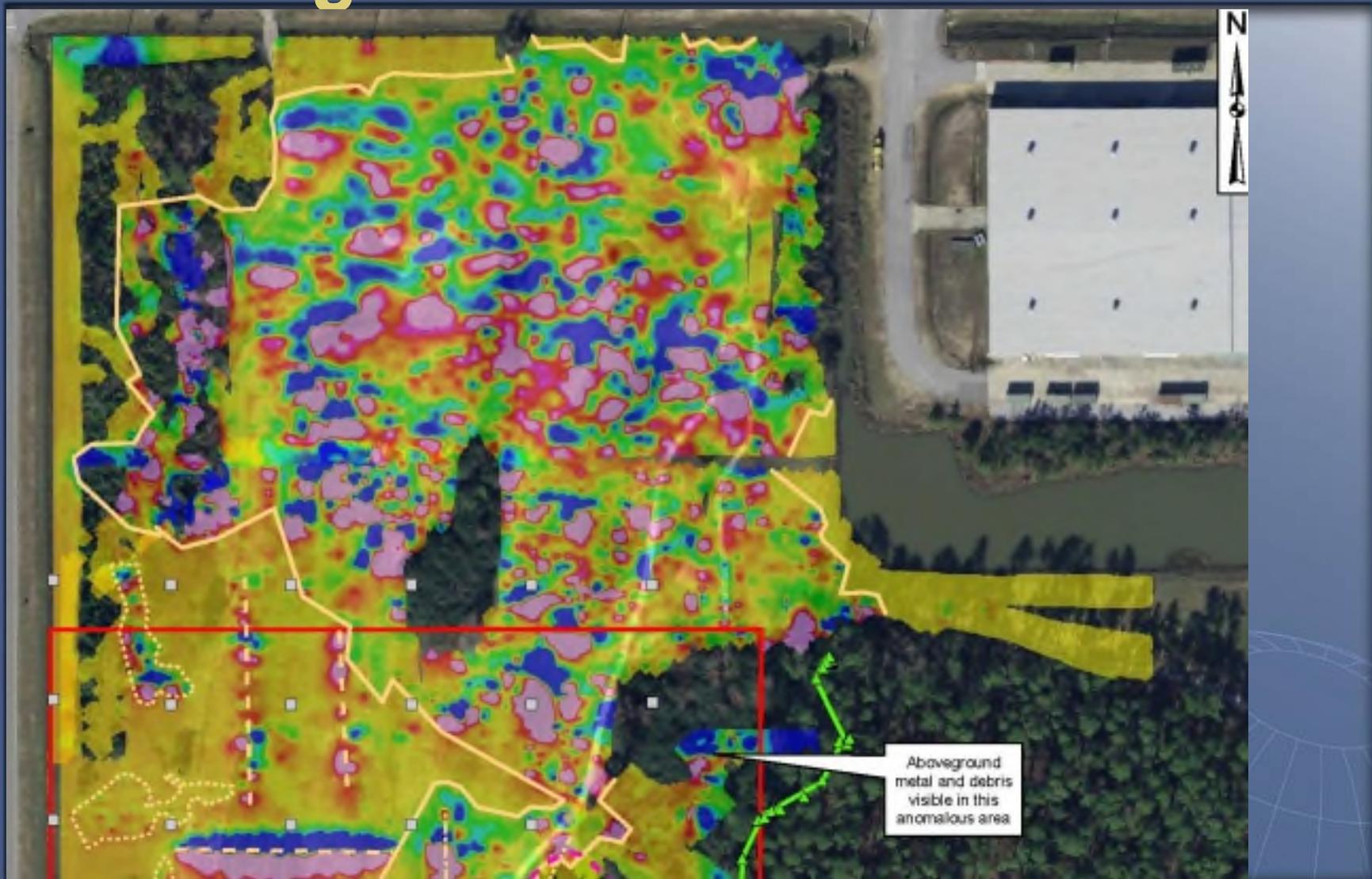
# HLA Map of Site 7



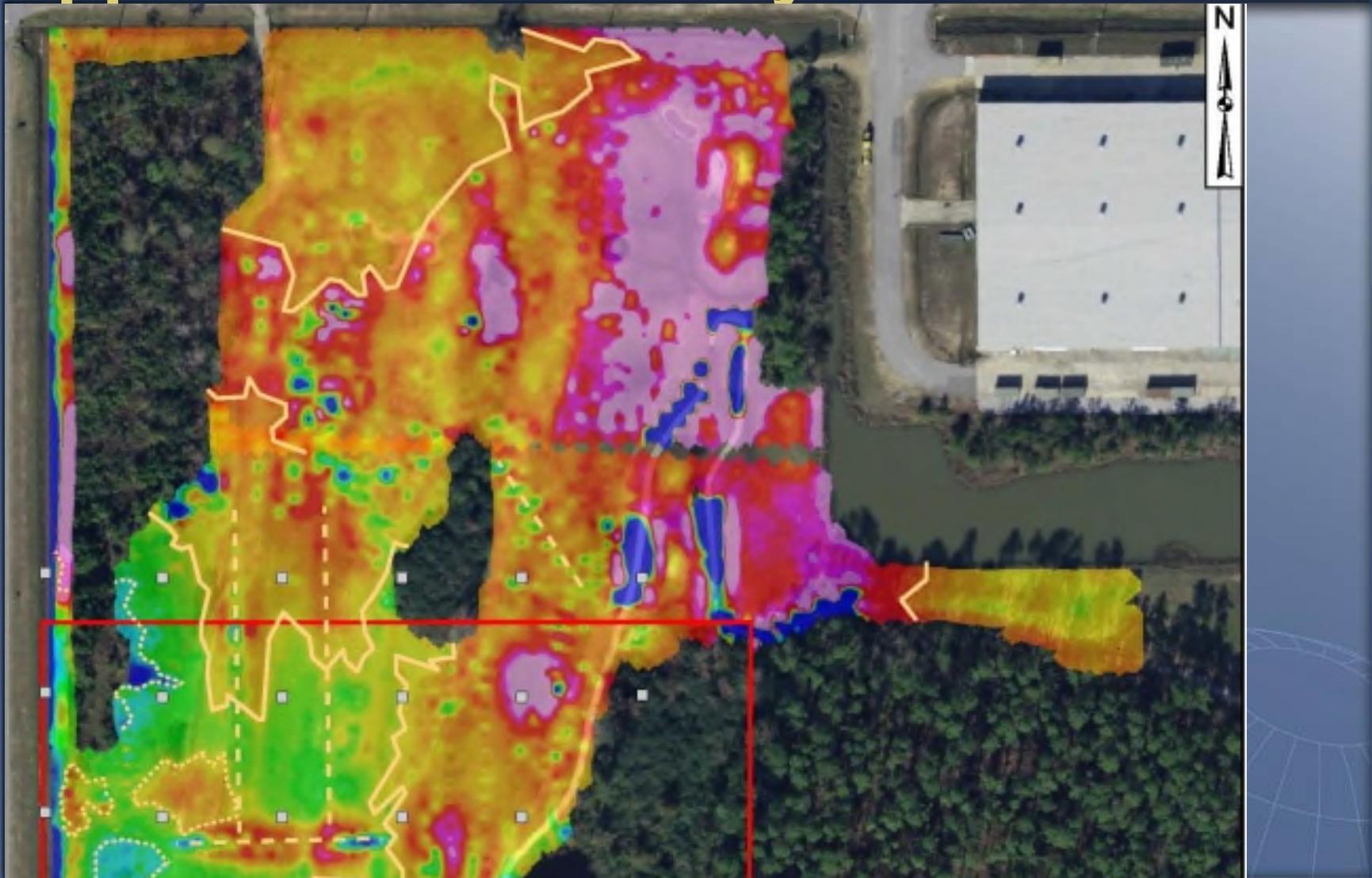
# Site 7 RI

- Presumptive Remedy approach
- Geophysics to define landfill boundaries
- Soil sampling to evaluate existing soil cover
- Monitoring wells installed around perimeter

# Total Magnetic Field Site



# Apparent Conductivity



# In Phase EM



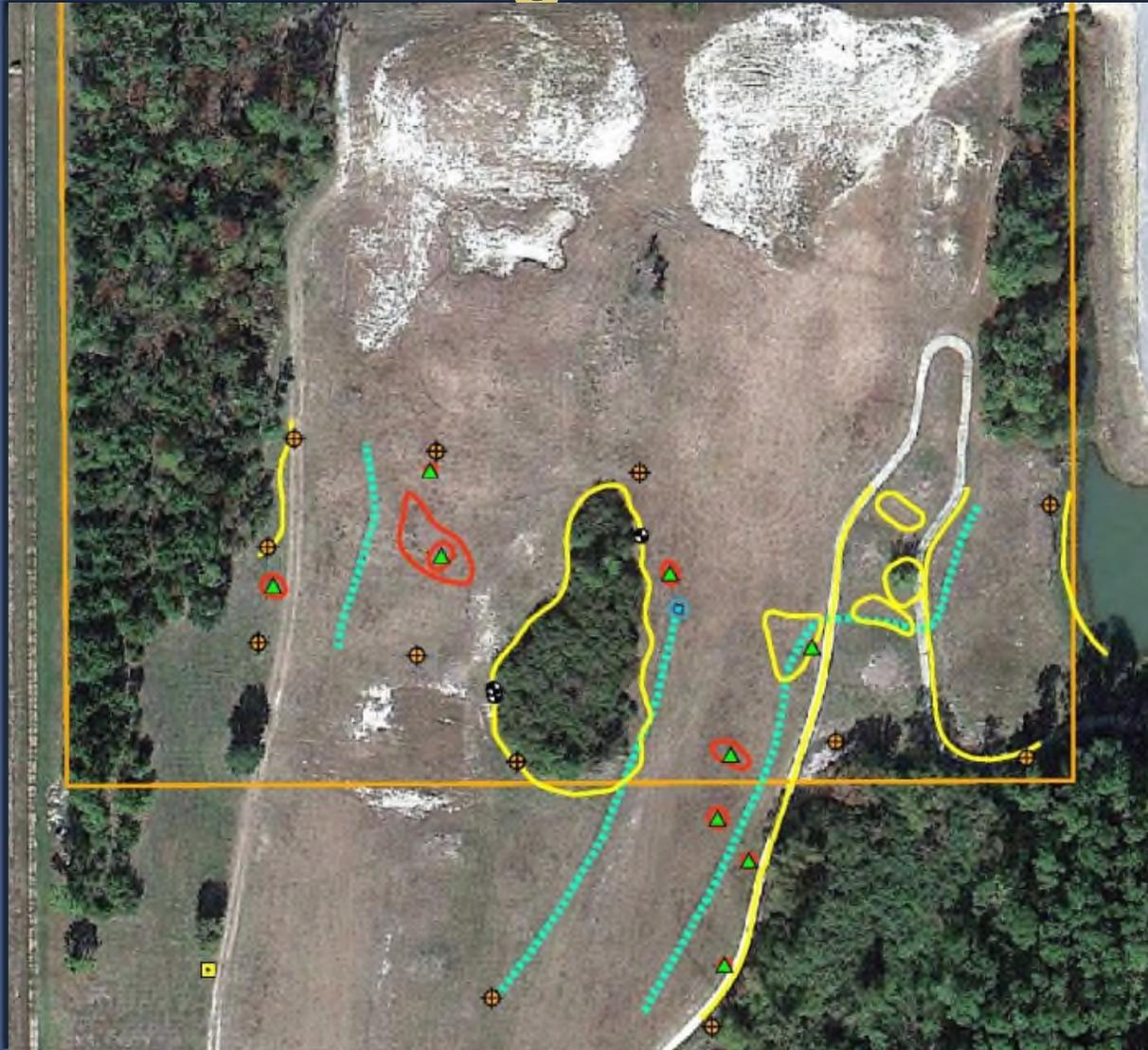
# Initial Soil Sampling



# Site 7 RI Expansion

- Delineate dioxin in soil
- Investigate potential sources for release
- Application at Site 7
- Sediments from adjacent ditches connected to Site 8
- Disposal of HO material from Site 8

# GPR Investigation



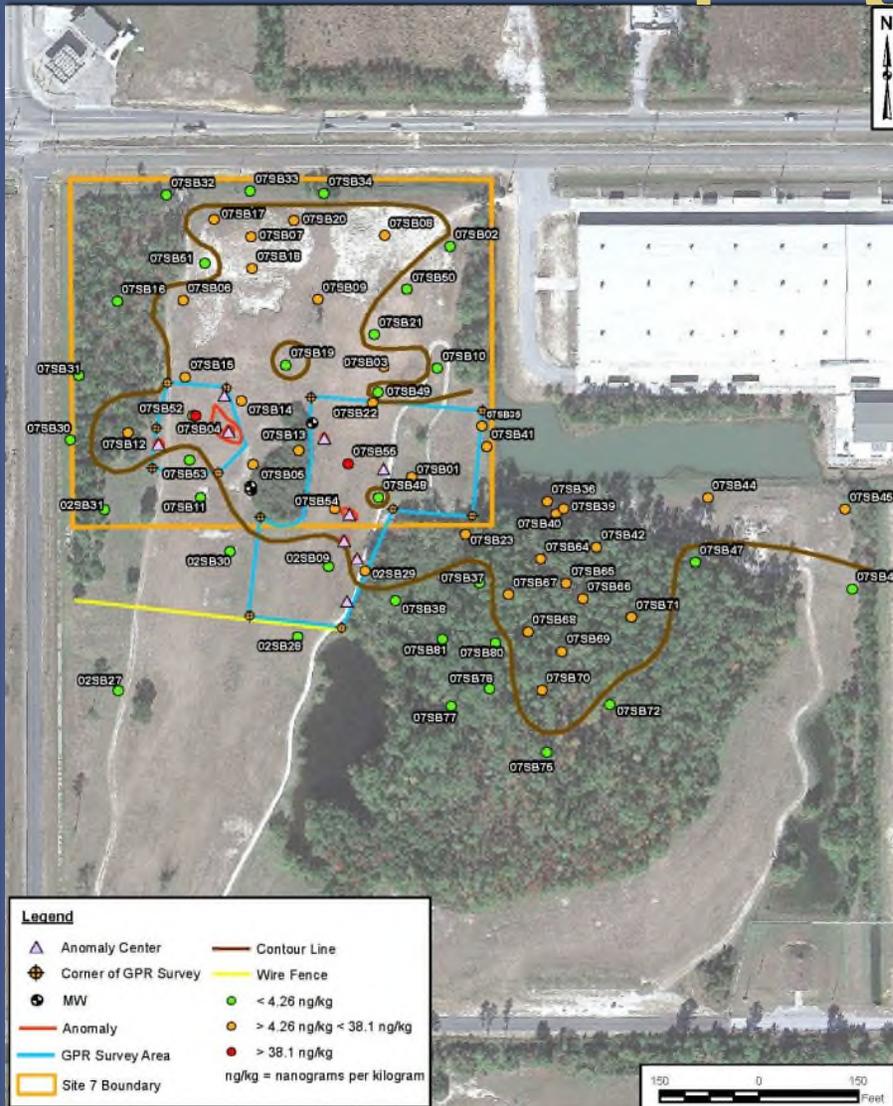
# Summary of Dioxin Soil Sampling

N=103	MIN DET	MAX DET	> 4.26 ng/kg	> 38.2 ng/kg	TCDD DET
TCDD	0.29	140	21	6	66/103
TEQ	0.25	152	40	7	64%

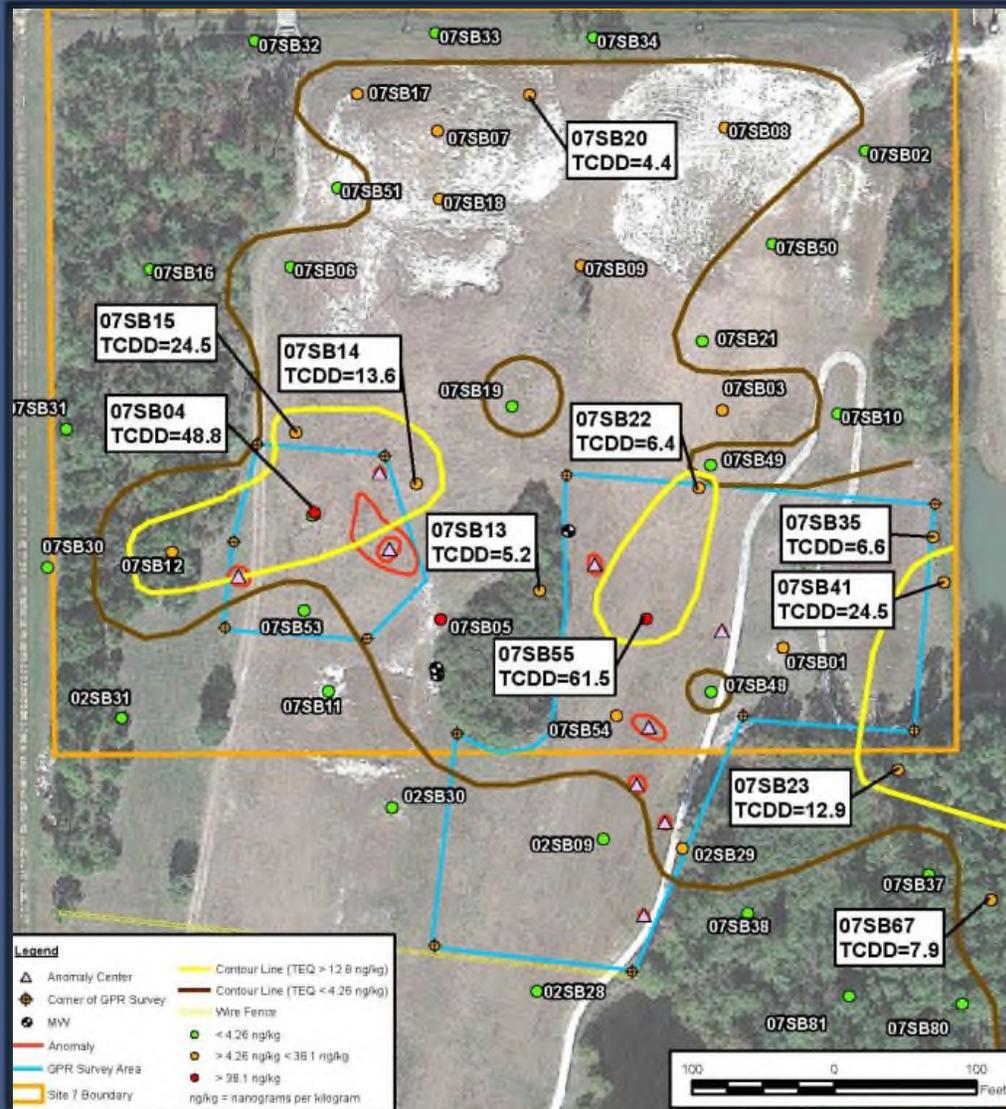
## Summary of Dioxin Results 0-2 Ft

N=63	MIN DET	MAX DET	> 4.26 ng/kg	> 38.2 ng/kg	TCDD DET
TCDD	0.29	61.5	16	2	48/63
TEQ	0.25	73.4	30	2	76%

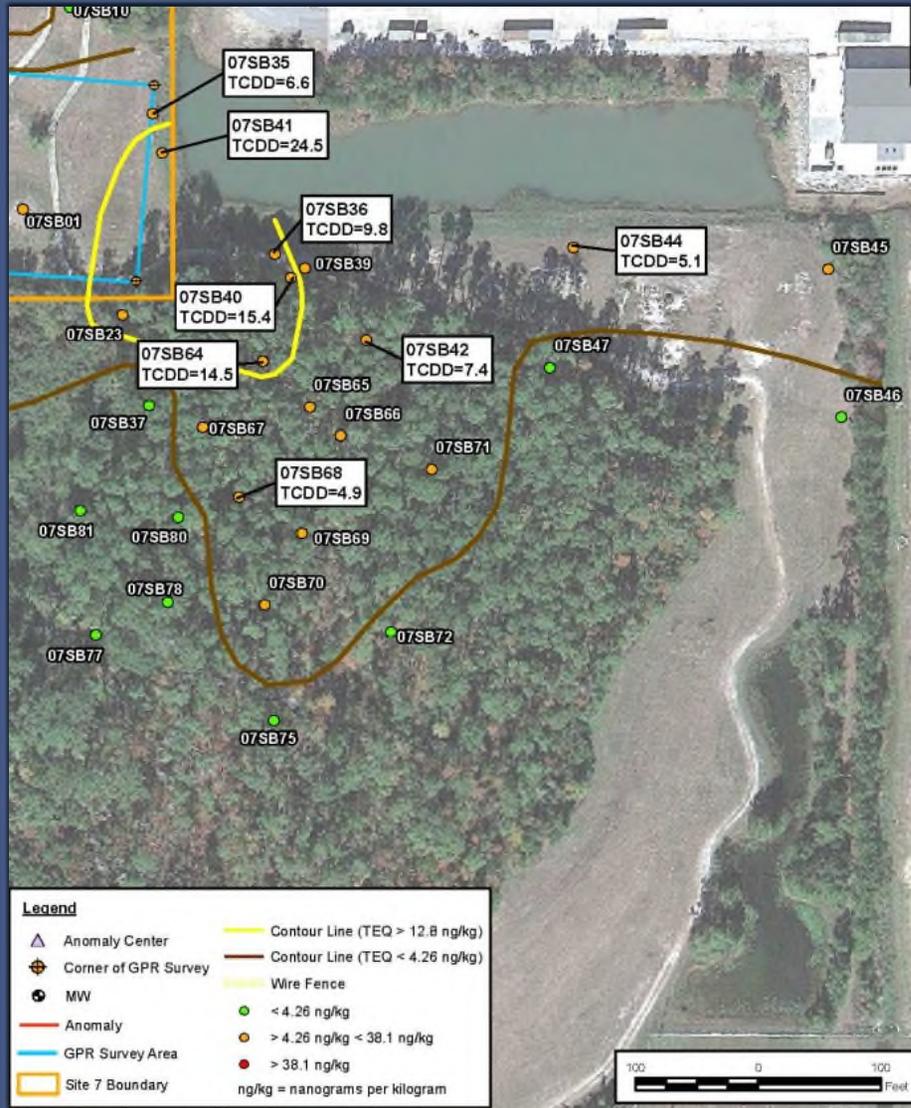
# 0-2 Ft Soil Sampling Results



# 0-2 Ft Soil Sampling Results - West



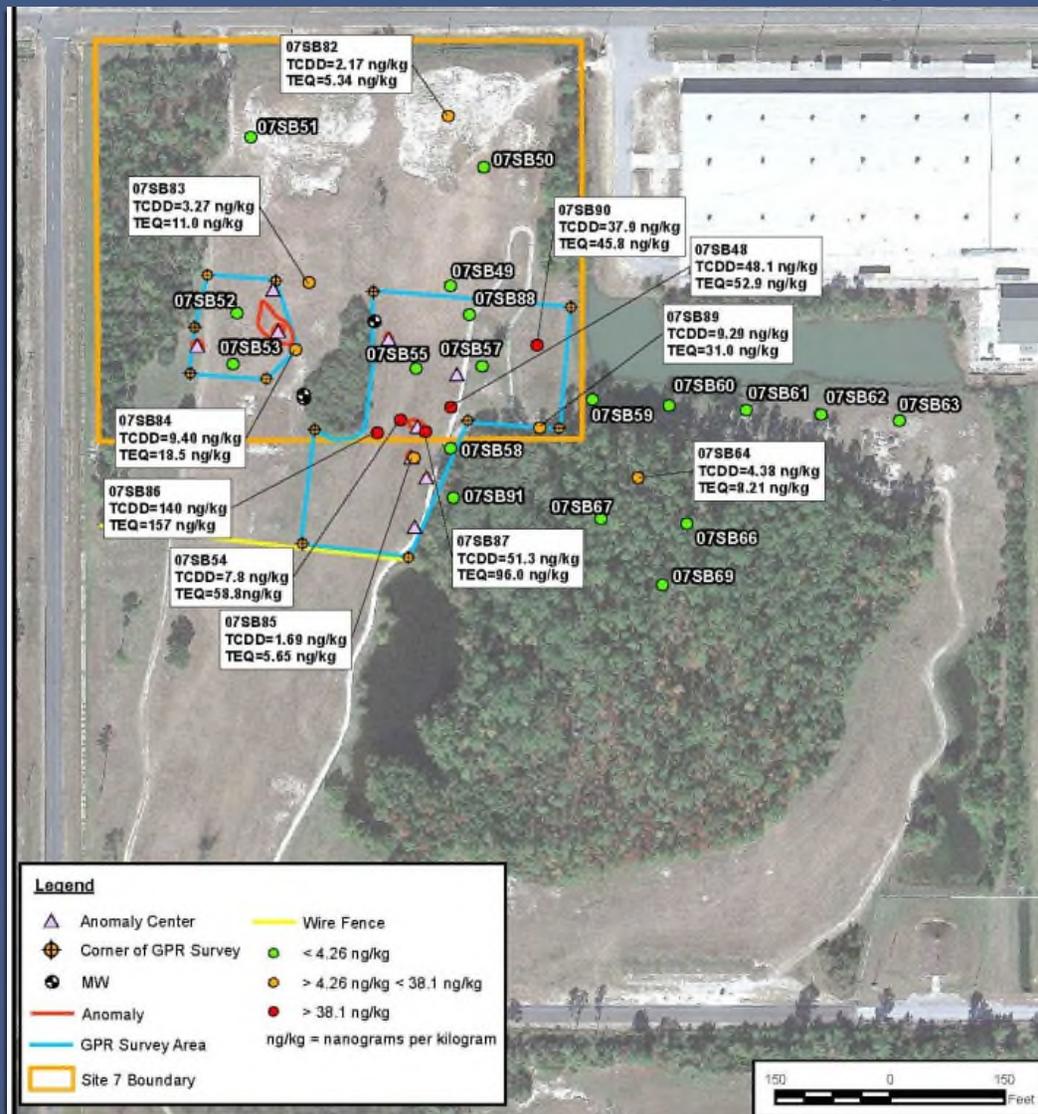
# 0-2 Ft Soil Sampling Results - East



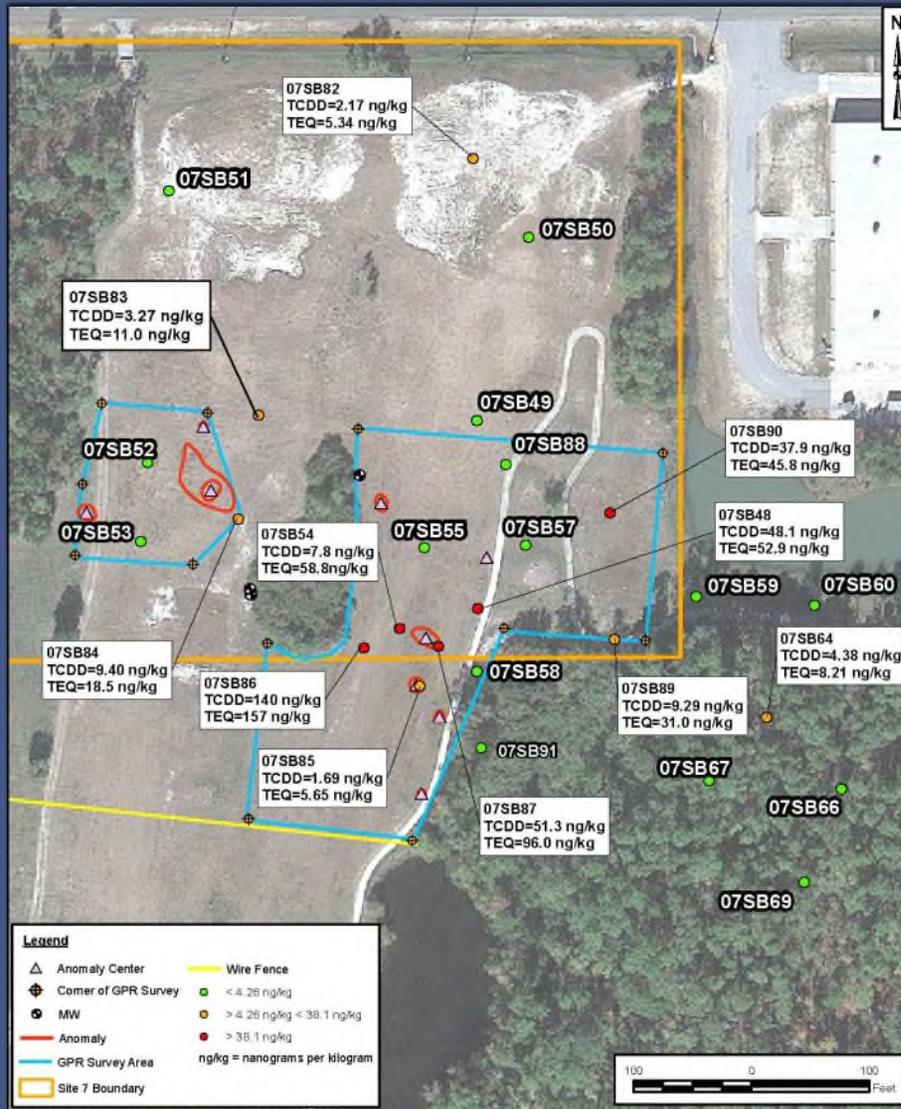
## Summary of Dioxin Results 3-5 Ft

N=28	MIN DET	MAX DET	> 4.26 ng/kg	> 38.2 ng/kg	TCDD DET
TCDD	0.4	140	4	4	16/28
TEQ	2.1	157	8	5	57%

# 3-5 Ft Soil Sampling Results



# 3-5 Ft Soil Sampling Results - West



## Summary of Dioxin Results 6-8 Ft

N=12	MIN DET	MAX DET	> 4.26 ng/kg	> 38.2 ng/kg	TCDD DET
TCDD	1.77	11.4	1	0	2/12
TEQ	1.91	25.0	2	0	17%

# 6-8 Ft Soil Sampling Results



# Conclusions and Path Forward

- Horizontal extent of dioxin in soil delineated
- Octo- and hepta-chlorinated dioxins ubiquitous in soil
- Dioxin impact to groundwater not detected
- GPR survey detected anomalies consistent with buried drum-sized metallic objects
- Test pits will be excavated to evaluate the GPR anomalies and collect soil samples

# Monitoring Well Locations



# Proposed Trench Locations





TETRA TECH

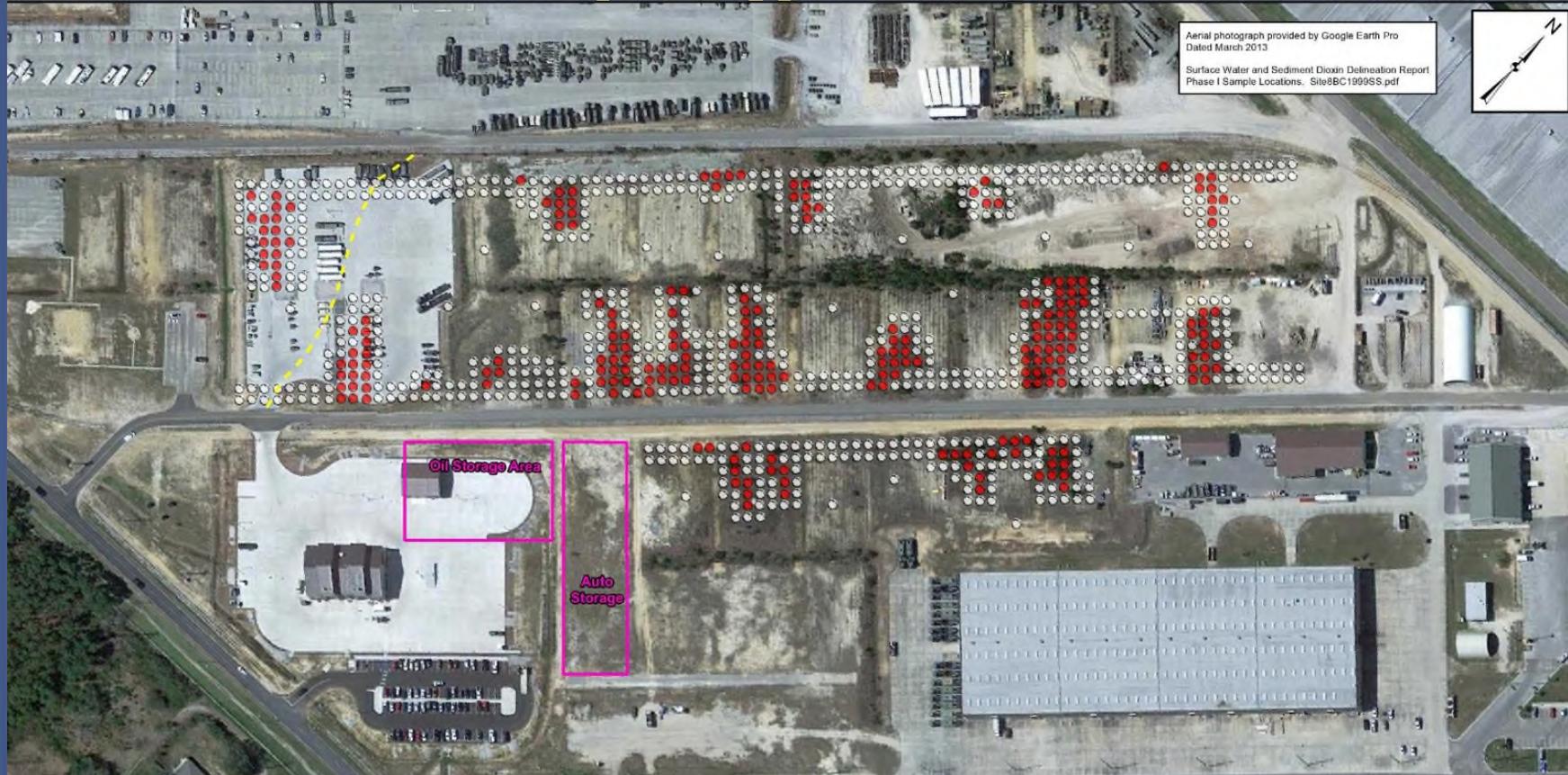
# Site 8 Remedial Action Optimization

**Naval Construction Battalion Center  
July, 2014**

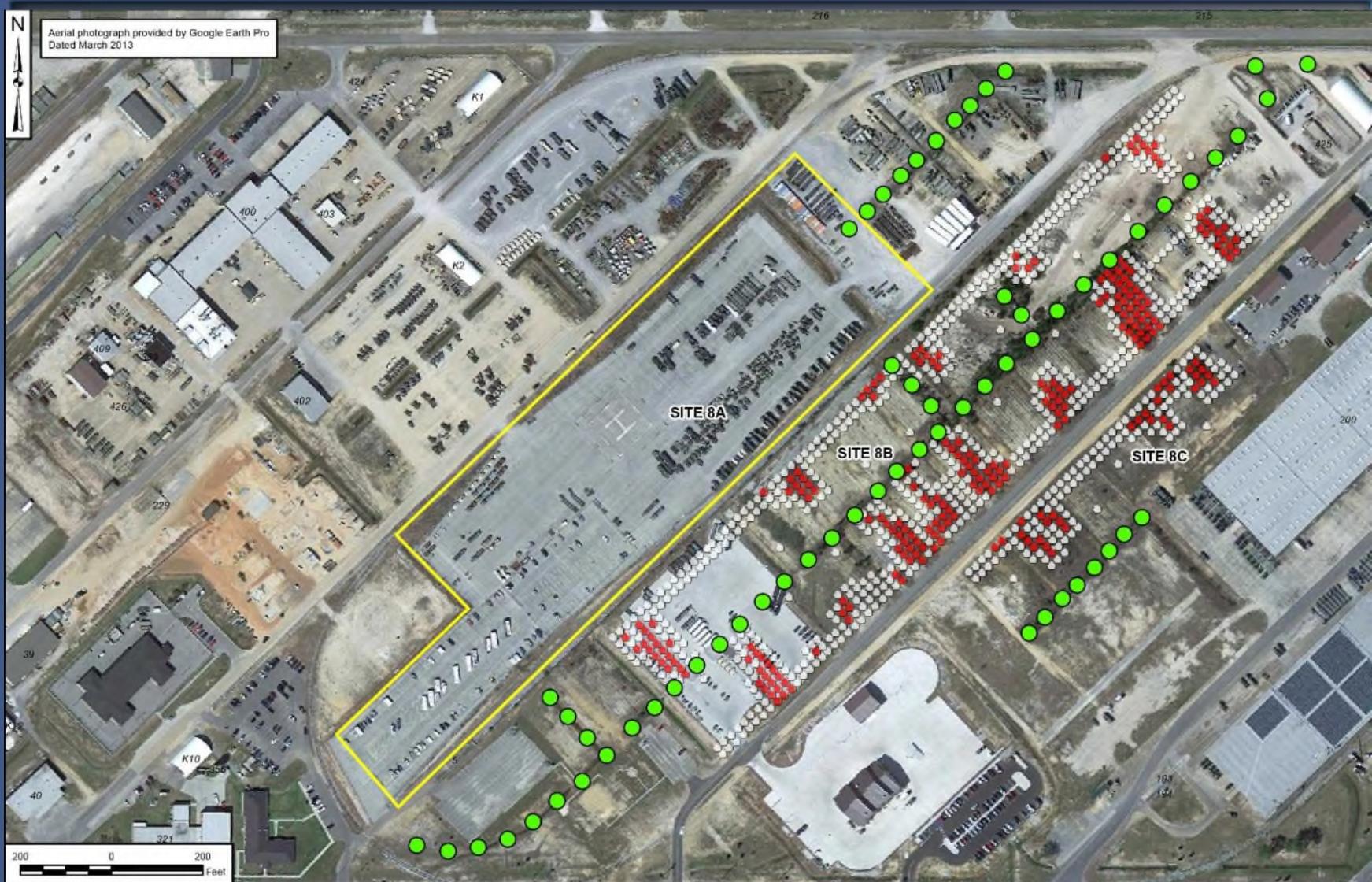
# Site 8 CSEM

- Leaks and spills from HO drum storage
- Erosion and transport of surface soil and ash
- Deposition as sediment in ditches
- Bed load transport of sediment downstream
- Based on previous sampling

# Air Force Sampling and Excavation



# Time Critical Removal Action 2003



# TCRA Sampling Results

- 52 Sediment samples collected from Site 8B and Site 8C ditches
- Analytical results were less than 38 ppt clean up goal
- 93% of analytical results were less than the unrestricted TRG of 4.26 ppt

# Remedial Action 2006



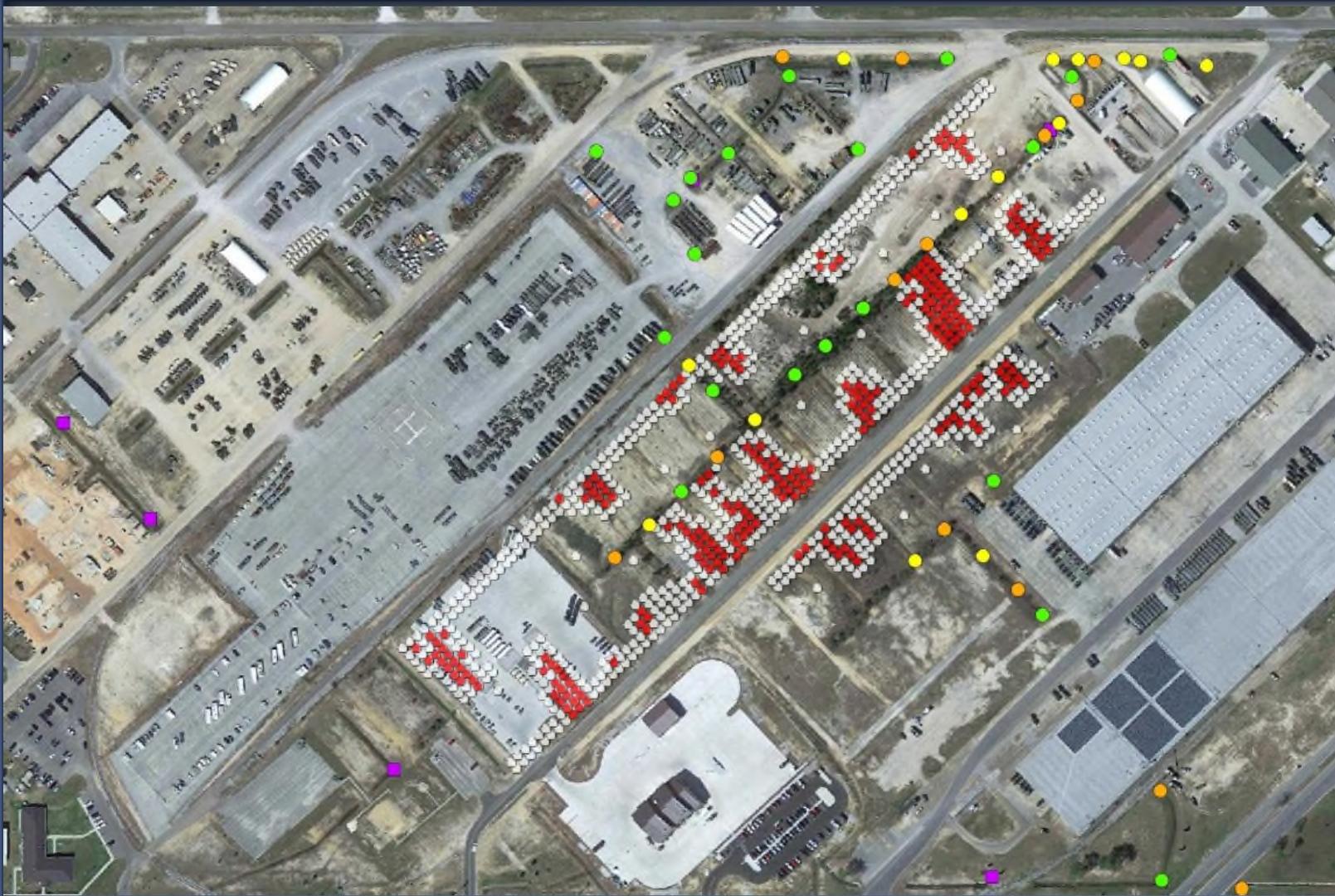
# RA Sampling Results

- 145 surface soil samples collected at Site 8B
- 95% UCL of Site 8B samples was 11.1 ppt
- 53 surface soil samples collected at Site 8C
- 95% UCL of Site 8C samples was 16.1 ppt

# Need for RA Optimization

- LTM sediment sampling in 2013 identified dioxin concentrations greater than the cleanup criteria
- CSEM did not adequately represent conditions at Site 8B and Site 8C
- Surface soil dioxin at Site 8B/8C did not correlate to sediment dioxin found in the ditches at Site 8B/8C
- Transport mechanisms other than erosion and transport of surface soil to the ditches may be occurring

# Post LTM Delineation



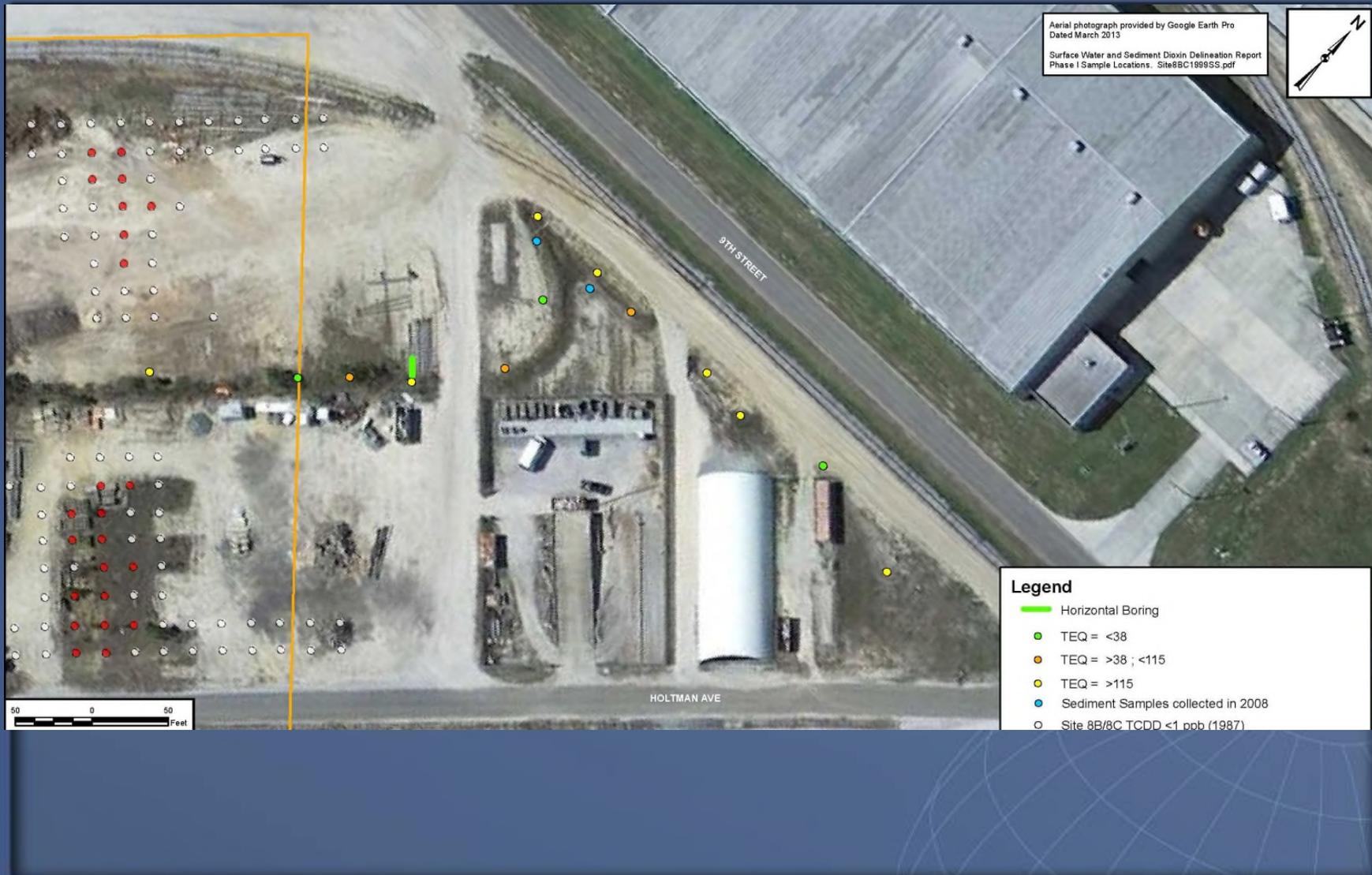
# Ditch Bank Source

- Differential migration of colloidal particles due to the rise and fall of water levels in the ditches
- Horizontal borings below the soil cement surface layer
- Samples at will be collected 1 foot horizontal increments
- Analyzed for dioxins, TOC and grain size
- The horizontal borings will be advance through 4 inch pvc casing to prevent collapse
- Four locations will be sampled

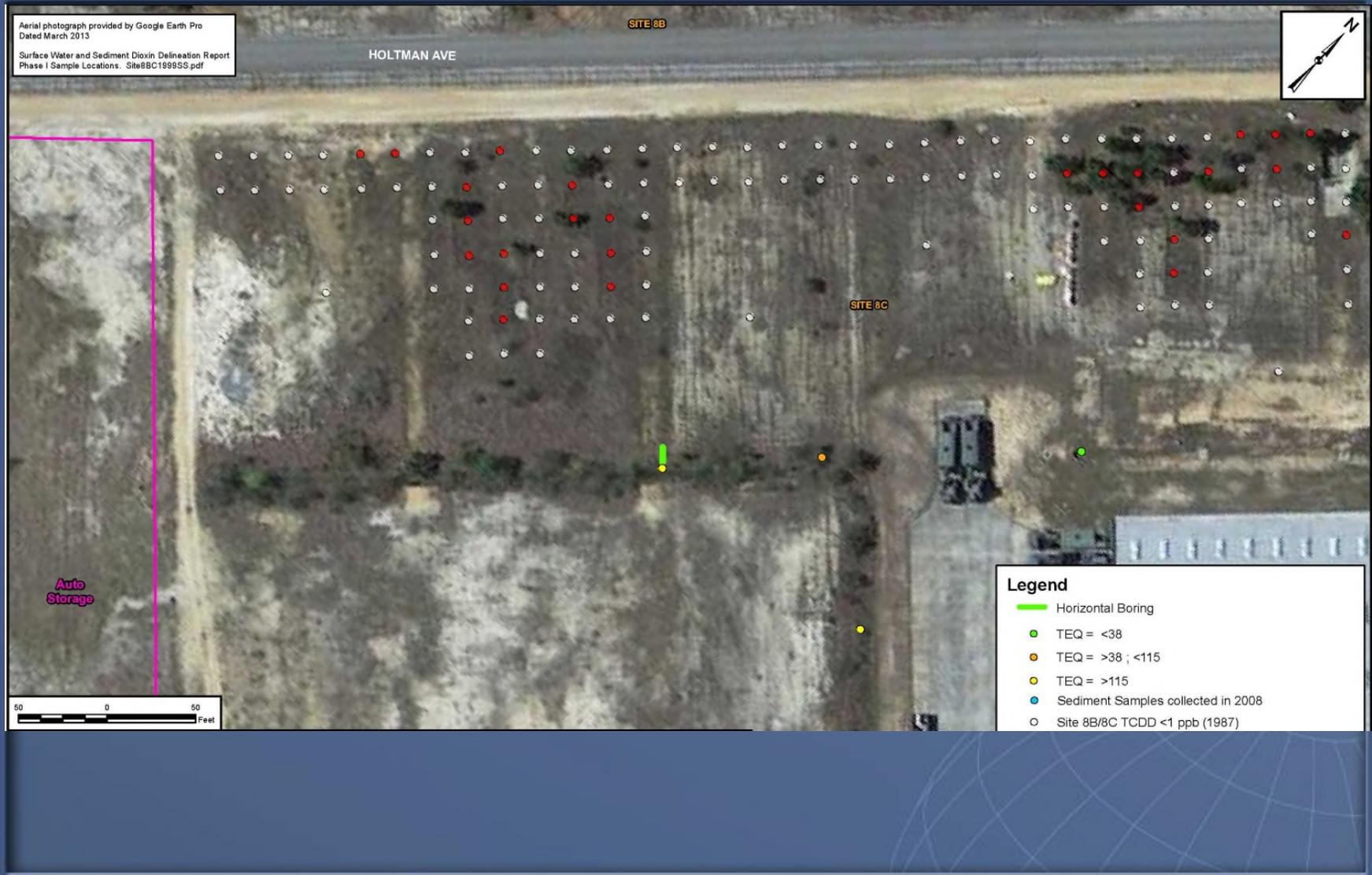
# Ditch bank 8B central



# Ditch bank 8B NE



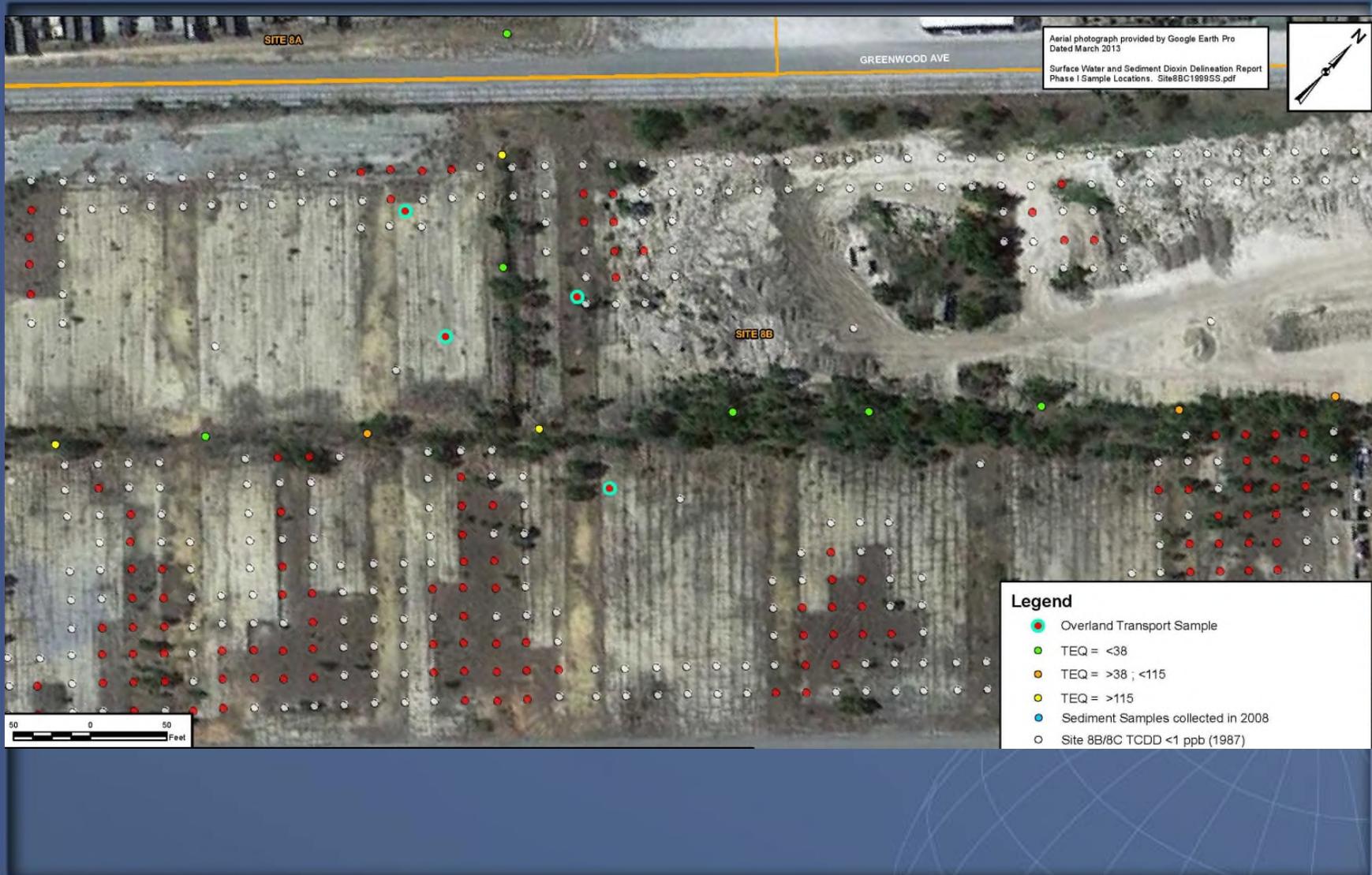
# Ditch bank 8C



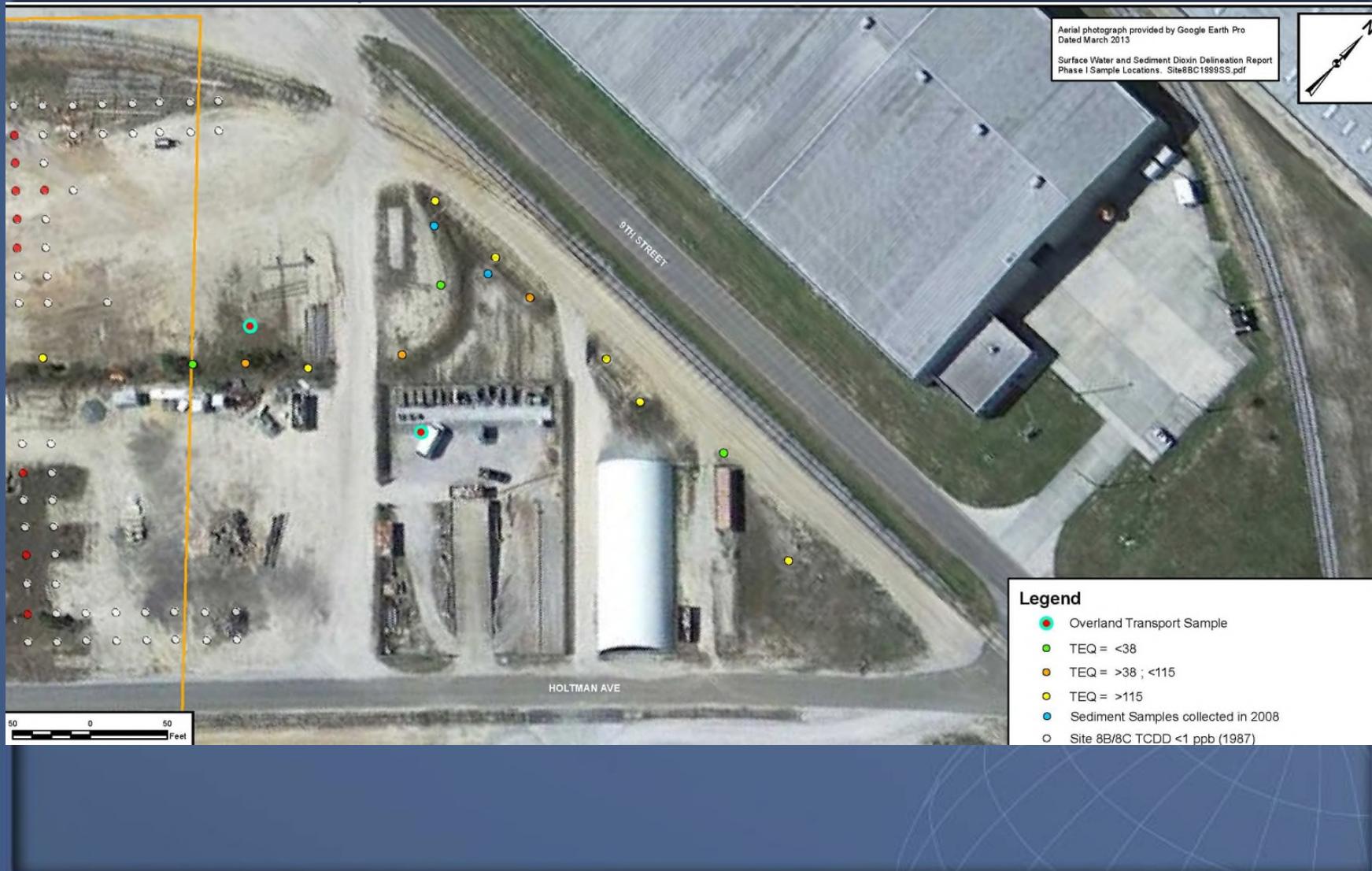
# Overland Transport

- Differential erosion of soil cement
- Accumulation of dioxin in sediment greater than the source material
- Surface material samples from overland flow paths to ditches at Site 8B
- Sediment accumulations in flow paths will be sampled
- Combined with surface soil confirmation samples
- Six locations will be sampled at Site 8B

# Overland transport 8B central



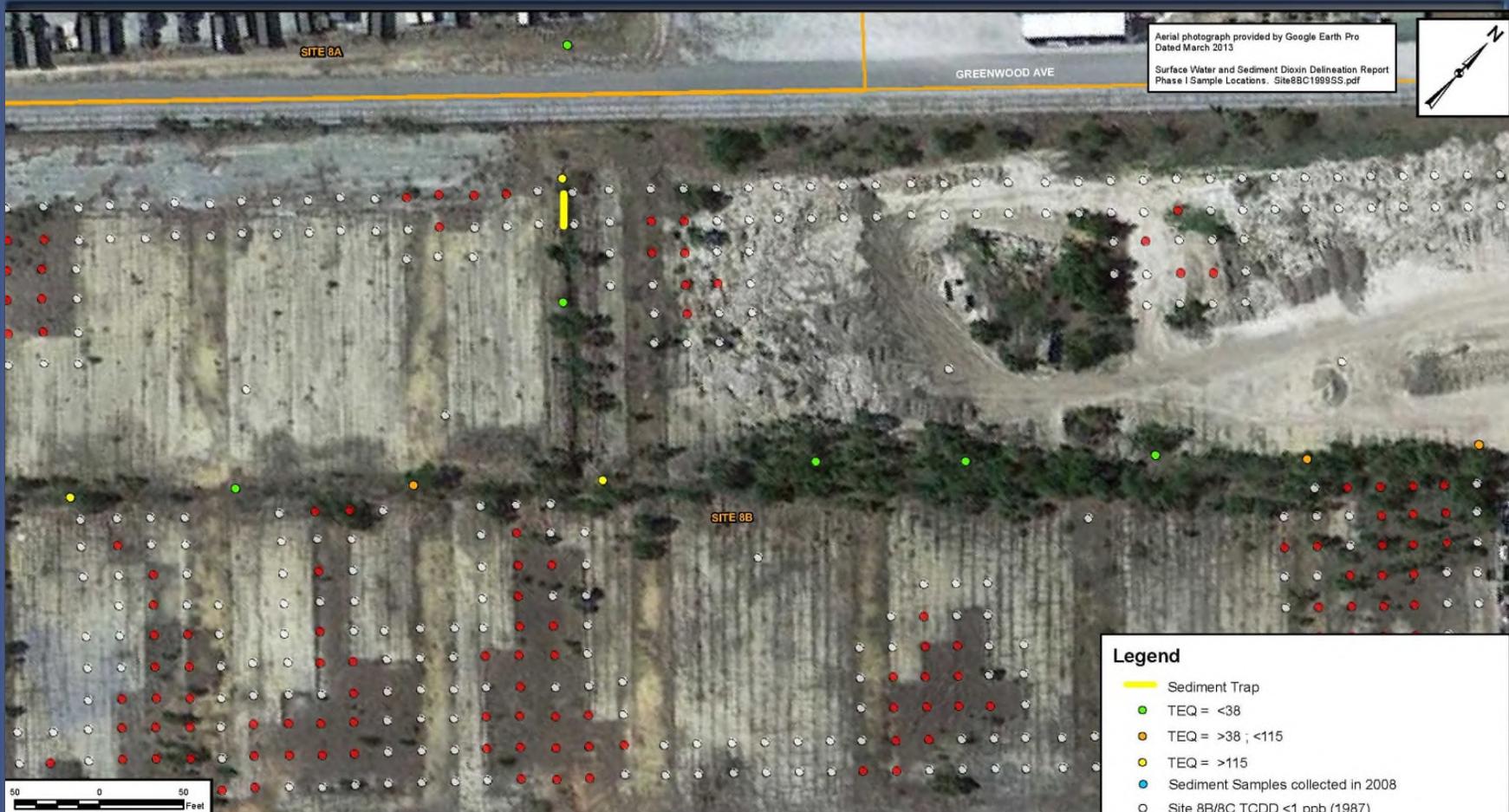
# Overland transport 8B NE



# Bedload Transport

- Time averaged sediment samples from the drainage ditches
- Determine if accumulating dioxin results in concentrations greater than the source material
- Sediment traps installed upstream of the hot spot areas
- Corrugated cylinders to form riffle traps
- Collect bedload sediments at high energy and suspended sediment fraction at low energy
- Three sediment traps will be installed

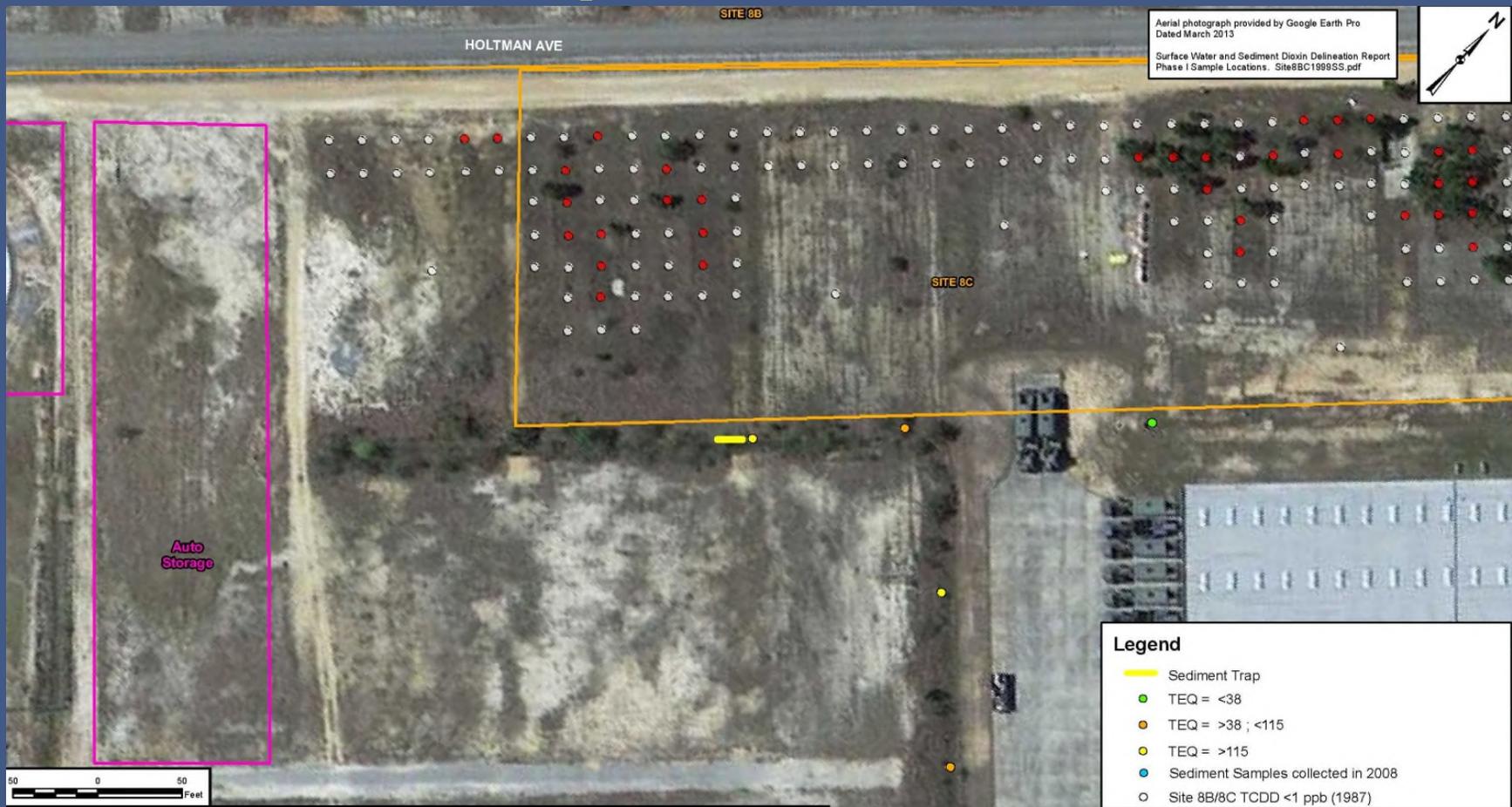
# Bedload transport 8B central



# Bedload transport 8B NE



# Bedload transport 8C



## Site 8B Additional Delineation

- West of the intersection of 9th Street and Holtman Ave
- Sediment sample from this area in 1999 had a TEQ of 1,270 ng/kg
- Remedial action reports do not indicate that this area was ever remediated
- Current data - dioxin concentrations greater than the restricted TRG
- Five surface soil samples will be collected to complete delineation

# Site 8B Additional Delineation



# Site 8C Additional Delineation

- Ditch sampling data indicate that the boundary of Site 8C may not completely contain the areas where dioxin concentrations are greater than the unrestricted TRG
- Six surface soil samples will be collected to complete delineation

# Site 8C Additional Delineation



# Conclusion

- Alternative transport paths will be evaluated
- Ditch Bank Source
- Overland Transport
- Bedload Sediment Transport
- Additional areas sampled to define site limits
- Surface Soil at Site 8B
- Surface Soil at Site 8C

## Community Involvement Plan (CIP) Implementation Review and Implementation Strategy

Community Concerns/Perceptions	Activity to Address		Description of Activity	Considerations	Proposed Modifications/Actions
<p>Perceived lack of knowledge/ information regarding NCBC ERP:</p> <ol style="list-style-type: none"> <li>1. Need more information for general public</li> <li>2. Use more plain English is written and presentation materials</li> <li>3. Develop a public web page (PWP)</li> </ol>	1A	Maintain mailing list/provide program updates and information via email and regular mail as requested	<ul style="list-style-type: none"> <li>• Maintain list</li> <li>• Continue to solicit interested persons/organizations</li> <li>• Mail/email information and provide content during RAB and public meetings.</li> </ul>	All items are currently being done.	Review what we actually send out in the mail and consider increasing the content of mailings.
	1B	Investigate utilizing other methods of distributing including websites, phone calls, etc.	<ul style="list-style-type: none"> <li>• Share information with local organizations, schools, churches, civic groups.</li> <li>• Expand posting of public meeting notices</li> <li>• Talk to community leaders to evaluate effectiveness of selected methods</li> </ul>		Consider setting up a focus group with select active community leaders (e.g., Howard Page, Ms. Fredericks) to discuss our current approach.
	1C	Keep IR up to date			<ul style="list-style-type: none"> <li>• Discuss our process for addressing this activity.</li> <li>• Consider involving Libby more actively</li> </ul>
<p>Concerns about surface water and coastal resources – potential impacts to:</p> <ul style="list-style-type: none"> <li>• Surface water quality in general</li> <li>• Barrier islands and beaches</li> <li>• Seafood industry</li> <li>• Historic impacts from BP oil spill and creosote plant</li> <li>• Storm water runoff and flooding</li> <li>• Wetlands, specifically Turkey Creek watershed</li> </ul>	2A	Publicize all aspects of the ERP to include IR sites as well as current long-term compliance and stewardship	<ul style="list-style-type: none"> <li>• Develop and implement a method to provide the community with up-to-date status of the ERP and investigate ways to provide basic information regarding the current compliance program</li> <li>• Consider fact sheets, poster stations, web pages,</li> </ul>		

Community Concerns/Perceptions	Activity to Address		Description of Activity	Considerations	Proposed Modifications/Actions
<p>Perceived health effects (Site 8/HO):</p> <ol style="list-style-type: none"> <li>1. It is not a good place to live because of historical HO contamination</li> <li>2. Cancers and other health effects observed in community are result of past exposures to HO</li> <li>3. Navy should pay for additional health related costs for those affected by offsite HO contamination</li> <li>4. Frustration that past levels of contamination are unknown and cannot be reconstructed</li> <li>5. Don't trust that off-site investigations have been adequately completed</li> </ol>	3A	<p>Hold community workshops to publicize the cleanup of all IR sites with specific emphasis on the environmental restoration of Site 8.</p>	<p>Include:</p> <ul style="list-style-type: none"> <li>• Scope and legal limitations of IR program</li> <li>• Site history and extent of contamination</li> <li>• Status of off base cleanup</li> <li>• Status of off-site sampling and monitoring</li> <li>• Explanation of cleanup levels and regulatory oversight of the process</li> <li>• Overview of the PHA process and results</li> </ul>	<p>We have been addressing this concern with our History of Dioxin posters and handouts at the RAB meetings as well as the ERP Update</p>	<ul style="list-style-type: none"> <li>• Refer to Agent Orange as HO throughout the CIP.</li> <li>• Place the History of Dioxins poster on the PWP</li> <li>• Develop poster and fact sheet to discuss dioxin and the finding on and off base.</li> <li>•</li> </ul>
<p>Lack of trust:</p> <ol style="list-style-type: none"> <li>1. Information is not shared completely or in a timely manner</li> <li>2. Navy's sampling was not accurate or was dishonest</li> <li>3. Unsure that all cleanup issues related to Site 8 are addressed</li> <li>4. Base engages "important" or "influential" stakeholders but not those right outside of base</li> <li>5. Military has not taken a lead role to address community concerns</li> <li>6. NCBC Should engage more on day-to-day basis with community</li> </ol>	4A	<p>Find opportunities for partnerships and identify ways to engage community regarding ERP</p>	<ul style="list-style-type: none"> <li>• Use available list servers to distribute NCBC meeting announcements, updates, and general information</li> <li>• Partner with local organizations, civic groups, etc. to participate in "environmentally themed" events and activities.</li> <li>• Engage local community leaders on a regular basis (esp. churches and religious groups)</li> <li>• Encourage increased participation in such programs by NCBC senior military leadership</li> <li>• Engage PAO to publicize such efforts in local media</li> <li>• Ensure all products are easy to read and understand</li> </ul>		

Community Concerns/Perceptions	Activity to Address		Description of Activity	Considerations	Proposed Modifications/Actions
<p>Environmental justice concerns:</p> <ol style="list-style-type: none"> <li>1. Communities are impacted disproportionately (e.g., Turkey Creek)</li> <li>2. Poor relationship with Turkey Creek community</li> <li>3. Off-site environmental cleanup was not a priority because those affected were low income/minority</li> </ol>	5A	Identify opportunities for partnerships as identified in 3A	<ul style="list-style-type: none"> <li>• Seek input from communities and businesses directly outside of base</li> <li>• Actively engage Turkey Creek community to dispel misperception</li> </ul>		Discuss actions needed to engage Turkey Creek community
<p>Perceived economic impacts:</p> <ol style="list-style-type: none"> <li>1. Lower property values adjacent to NCBC</li> <li>2. Difficulty in renting or selling homes due to historical contamination from base</li> <li>3. Community has not reaped benefits from being located next to base.</li> </ol>	6A	Improve perception of NCBC's economic impact	Provide information (provided in section 2.3 of CIP) via the PAO	Do we need to engage the PAO on this effort? Probably not an ERP activity.	
<p>General lack of interest in the ERP:</p> <ol style="list-style-type: none"> <li>1. Community member involvement doesn't make a difference in outcome</li> <li>2. Information presented at RAB meetings is not helpful</li> <li>3. Base is not listening to community concerns</li> </ol>	7A	Involve community in a wide range of site related activities	Provide the draft CIP to the RAB for community review and comment	The draft CIP was provided at a previous RAB meeting that was poorly attended	Provide this revised draft to the RAB and encourage input. Consider providing via mail before the next meeting so that there is time for them to consider and provide substantive input.

**Draft**

**Community Involvement Plan (CIP)**

**Naval Construction Battalion Center (NCBC)  
Gulfport, Mississippi**



**SEPTEMBER 2012**

## Preface

*The U.S. Navy is committed to promoting effective communications with stakeholders regarding our environmental restoration programs. The Community Involvement Plan (CIP) is the foundation of our communication strategy for the environmental restoration program at Naval Construction Battalion Center (NCBC), Gulfport, Mississippi. This document provides:*

- *background information on NCBC, including environmental restoration site descriptions and cleanup status,*
- *community demographics,*
- *past community involvement activities,*
- *community issues/concerns (from recently conducted community interviews),*
- *a proposed path forward (with time table) to ensure continued community involvement in the overall process, and*
- *appropriate points of contact for additional information.*



**Face-to-face interviews are one of the most effective ways to identify community issues and concerns. U.S. Navy photo by Photographer's Mate 3rd Class Kristopher Wilson (RELEASED)**

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B	Navy IRP Process
C	Information Repository Location
D	Navy, Federal, State & Local Government Contacts
E	Chronological History of Community Involvement
F	Community Interview Questionnaire
G	Summary of Positive Community Statements by Category
H	Summary of Community Concerns by Category
I	Acronyms

## 1.0 Overview of the Community Involvement Plan (CIP)

The Department of the Navy, the Environmental Protection Agency (EPA) and the Mississippi Department of Environmental Quality (MDEQ) recognize that all Americans have the right to be involved in government decisions that may affect their lives. Frequent community involvement and sharing of information is critical to the overall success of the environmental restoration program at NCBC Gulfport. By involving stakeholders early and often, it is our sincere hope to identify community concerns and issues and to develop a site-specific Community Involvement Plan (CIP) to address those concerns in a timely and effective manner.

### The overall goal of the NCBC Gulfport CIP is to:

- Inform, involve and engage community members and other interested stakeholders in dialogue and communication regarding the environmental restoration program at NCBC Gulfport;
- Advocate and strengthen early and meaningful community participation;
- Listen carefully to identify community concerns, issues and questions and take the time necessary to address them;
- Keep the community and interested stakeholders informed and up-to-date regarding actions relating to the ongoing NCBC Gulfport environmental restoration program;
- Encourage and enable all interested stakeholders to continue to participate in the decision making process; and
- Consider stakeholder input and take appropriate action where such inputs have merit.



*The Community Involvement Plan (CIP) is our roadmap for informing and involving the community and other interested stakeholders regarding the environmental restoration program at NCBC Gulfport.*

## 2.0 NCBC Site Description

**2.1 NCBC Location:** The Naval Construction Battalion Center is located within the city of Gulfport on the Mississippi Gulf Coast, roughly halfway between New Orleans, Louisiana; and Mobile, Alabama (see Figure 1). The center spans approximately 1,100 acres on the western side of Gulfport in Harrison County. Biloxi, the county's largest city, is seven miles to the east, and the city of Pass Christian is seven miles to the west. The city of Long Beach borders the center's western boundary. The center is fenced and all entrances are secured to restrict unauthorized personnel from trespassing onto NCBC property.

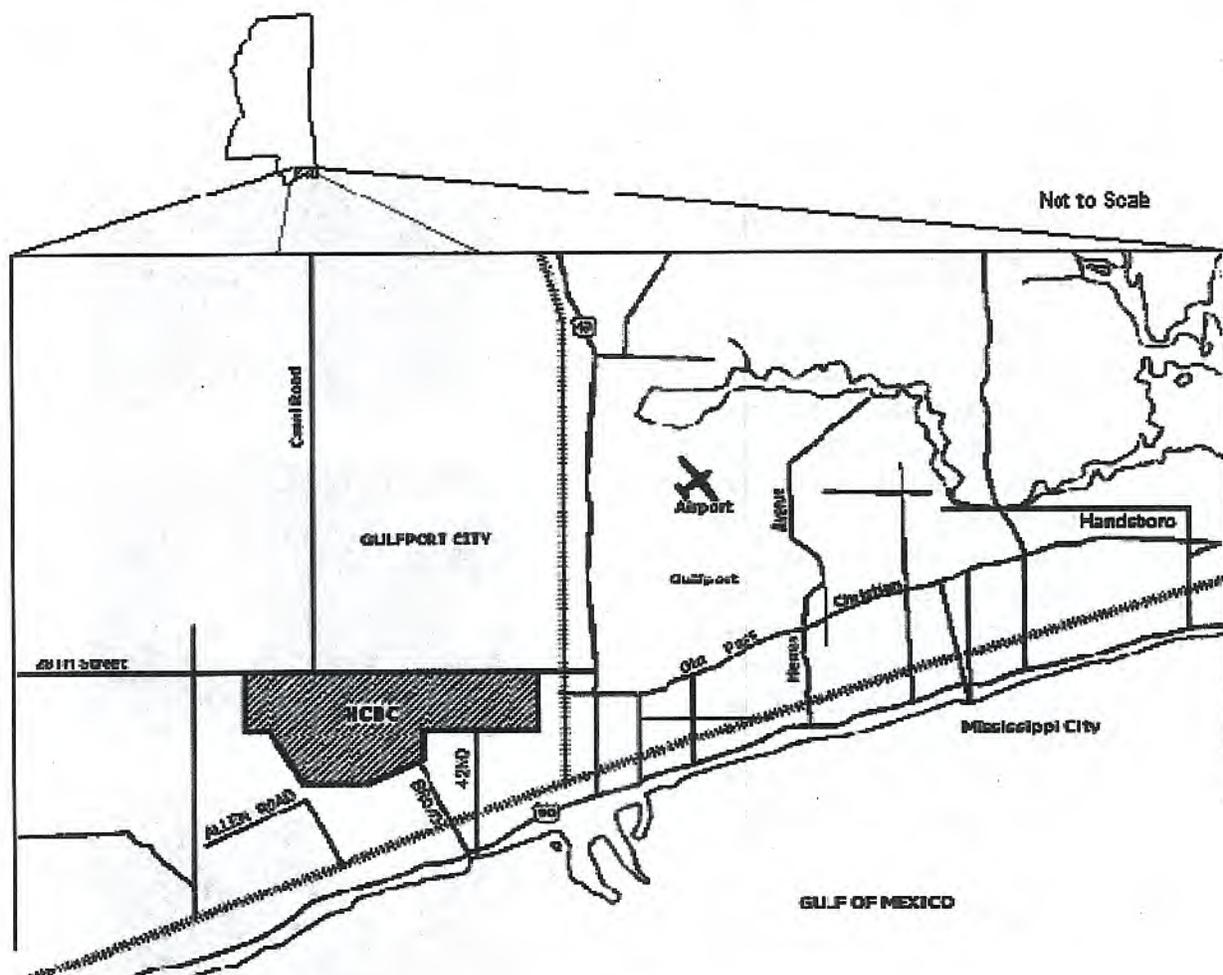


Figure 1: Location of Naval Construction Battalion Center (NCBC), Gulfport, MS.

**2.2 NCBC Mission:** The primary mission of the NCBC today is to prepare for and support all facets of the mobilization of construction forces, including reserve units. The center provides support to the Seabee Readiness Group, Naval Mobile Construction Battalions, Naval Construction Regiments, the Naval Construction Training Center, and other tenant commands. Basic and advanced training is also provided for active duty and reserve Seabees in their specialty fields.

The center's other primary role is provision of storage and shipping capabilities for the Navy and its fleet. The center contains 37 acres of secured storage (including 1.5 million square feet of warehousing and covered storage) and 124 acres of open storage.



**NCBC Gulfport Mission Statement:**

“To maintain and operate facilities and provide services and material in support of Naval Construction Force Units, to include Amphibious Construction Fleet Units, the Maritime Prepositioning Force (Enhanced), and other fleet and assigned organizational units deployed from or home ported at NCBC Gulfport, and to perform such other functions and tasks as may be assigned by higher authority.”

<https://www.cnbc.navy.mil/Gulfport/AboutCNIC/index.htm>



**2.3 NCBC History:** Naval Construction Force personnel, commonly known as "Seabees," have been the military construction unit of the U.S. Navy since 1942. Land for the center was acquired on a plot approximately one mile northwest of the Port of Gulfport in April 1942, and an Advanced Base Depot was established two months later. An Armed Guard School and a Cooks and Bakers School were added in October 1942, followed by an Advanced Base Receiving Barracks in November, at which time some of the first Seabees were stationed on the Mississippi Gulf Coast.

The mission of the Center changed from a receiving organization to a U.S. Naval Training Center in March 1944, and provided for training in basic engineering, diesel engine mechanics, radioman, quartermaster and electrician's ratings. Continuing realignments occurred creating a single command of the Naval Training Center and the Advanced Base Depot. The Depot became the U.S. Naval Storehouse in 1945 and the Training Center was decommissioned in 1946. In 1948, the station became custodian of certain national stockpile materials. Large quantities of raw materials such as bauxite, tin, copper, sisal and abaca were all stored at the center during this time period.

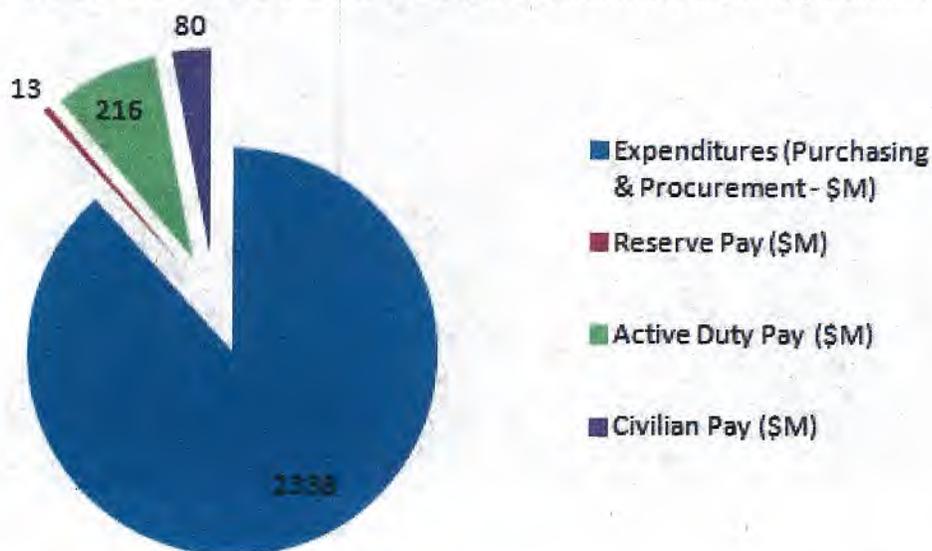


"Seabees" have been the backbone of the military construction unit of the U.S. Navy since 1942.

Organizational changes were made early in 1952 when the Naval Storehouse was disestablished and the U.S. Naval Construction Battalion Center was established. The Navy's ever-increasing requirements for construction forces in Southeast Asia led the way to an increased mission for the center in February 1966. Ten months later, the Center had expanded to include new functions such as Seabee Team Training and a new tenant, the Construction Training Unit. During this time period, the staff for the Naval Construction Battalion Center expanded to 183 military and 523 civilian personnel to support approximately 4,200 Seabees. The personnel training facility was reactivated to form, stage and train the construction battalions home ported at the center.

The center has undergone consistent expansion since the 1960's and is a major contributor to the local economy. Based on 2009 data, the Navy's direct contribution to the local Gulfport economy is approximately 2.6 billion dollars. This figure represents the total value of the NCBC payroll (active duty, civilian and reserve) in the Gulfport Area of Study (AOS) at approximately 309.4 million dollars, plus the total value of expenditures, purchases, procurements and grants at approximately 2.3 billion dollars.

*NCBC Gulfport is a major contributor to the local economy.*



The Navy's direct contribution to the local Gulfport economy is estimated to be ~ 2.6 billion dollars. (Based on 2009 data from the Navy Region Southeast Economic Impact Assessment)

**2.4 Environmental Restoration Sites:** NCBC Gulfport has been in operation since 1942. As a result of decades of industrial operations and material stockpile and storage, a total of nine sites have been identified at NCBC where historic releases of hazardous substances have occurred (Table 1/Figure 2). Note: A tenth site, Site 9, was removed from the IRP when further investigation determined that it was not contaminated.

Naval Facilities Engineering Command Southeast (NAVFAC Southeast) and NCBC personnel have been actively working with the MDEQ to identify, investigate and cleanup these sites since the early 1980's. As a result, significant progress has been made in the environmental restoration program at NCBC over the past three decades. Remedial actions have been completed and long term monitoring is ongoing at 5 of the 9 sites. Studies are underway at the remaining 4 sites and NCBC/NAVFAC personnel are working to identify and implement appropriate remedial actions as quickly as possible. Community involvement activities are expected to continue for the duration of the program, but frequency of meetings and outreach activities may decrease as final actions at the remaining environmental sites are completed.

Of the nine areas identified, the environmental sites can be broken down into the following general categories:

- Former landfill/disposal areas (6)
  - Former fire-fighting training Area (1)
  - Herbicide Orange spill area (1)
  - Polychlorinated Biphenyl (PCB) ditch area (1)
- Total: (9)

Additional detailed information on each NCBC environmental restoration site is provided in Appendix A.

Site #	Program	Site Name	Period of Operation	Waste Types	Sources	Cleanup Status
1	IRP	Disaster Recovery Disposal Area	1942-1948	Paints, oils, solvents, paint strippers, and cleaning compounds	Public works shops, supply department	Proposed Plan in development
2	IRP	World War II Landfill	1942-1948	General refuse, paints, oils, solvents, paint strippers, and cleaning compounds	Basewide waste	Remedial Investigation (RI)/Feasibility Study (FS) underway
3	IRP	Northwest Landfill/Burn Pit	1948-1966	Solid waste, oils, fuels, paints, paint strippers, solvents, and cleaning compounds	All NCBC industrial operations	Decision document in legal review
4	IRP/AO	Golf Course Landfill	1966-1972	Solid waste, oils, fuels, paints, paint strippers, solvents, and cleaning compounds	All NCBC industrial operations	Cap installed - Remedial Action complete - LTM
5	IRP/AO	Heavy Equipment Training Area Landfill	1972-1976	Refuse and tree clippings, DDT, paints, oils, solvents, paint strippers and cleaning compounds	All NCBC industrial operations	Cap installed - Remedial Action complete - LTM
6	IRP	Fire-Fighting Training Area	1966-1975	Waste fuels, oils, solvents, paint, and paint strippers	CED, 20th NCR, NCTC, public works shops	Interim Action complete - LTM
7	IRP	Rubble Disposal Area	1978-1984	Concrete, lumber, scrap metal, and similar inert materials	Construction and building demolition debris	Planning Documents in Team Review
8	IRP/AO	Air Force Herbicide Orange Spill Area	1968-1977	Herbicide Orange	Air Force activities	Cap installed - Remedial Action complete - LTM
10	IRP	PCB in Ditch	Unknown	PCB	No source identified - site discovered in previously unknown disposal area	Ditch Lined - Remedial Action complete - LTM
<p>AO - Agreed Order  CED - Construction Equipment Department  DDT - Dichlorodiphenyltrichloroethane  IRP - Installation Restoration Program  LTM - Long Term Monitoring  NCBC - Naval Construction Battalion Center  NCR - Naval Construction Regiment  NCTC - Naval Construction Training Center  PCB - Polychlorinated Biphenyl</p>						

Table 1: Description of environmental restoration sites at NCBC Gulfport

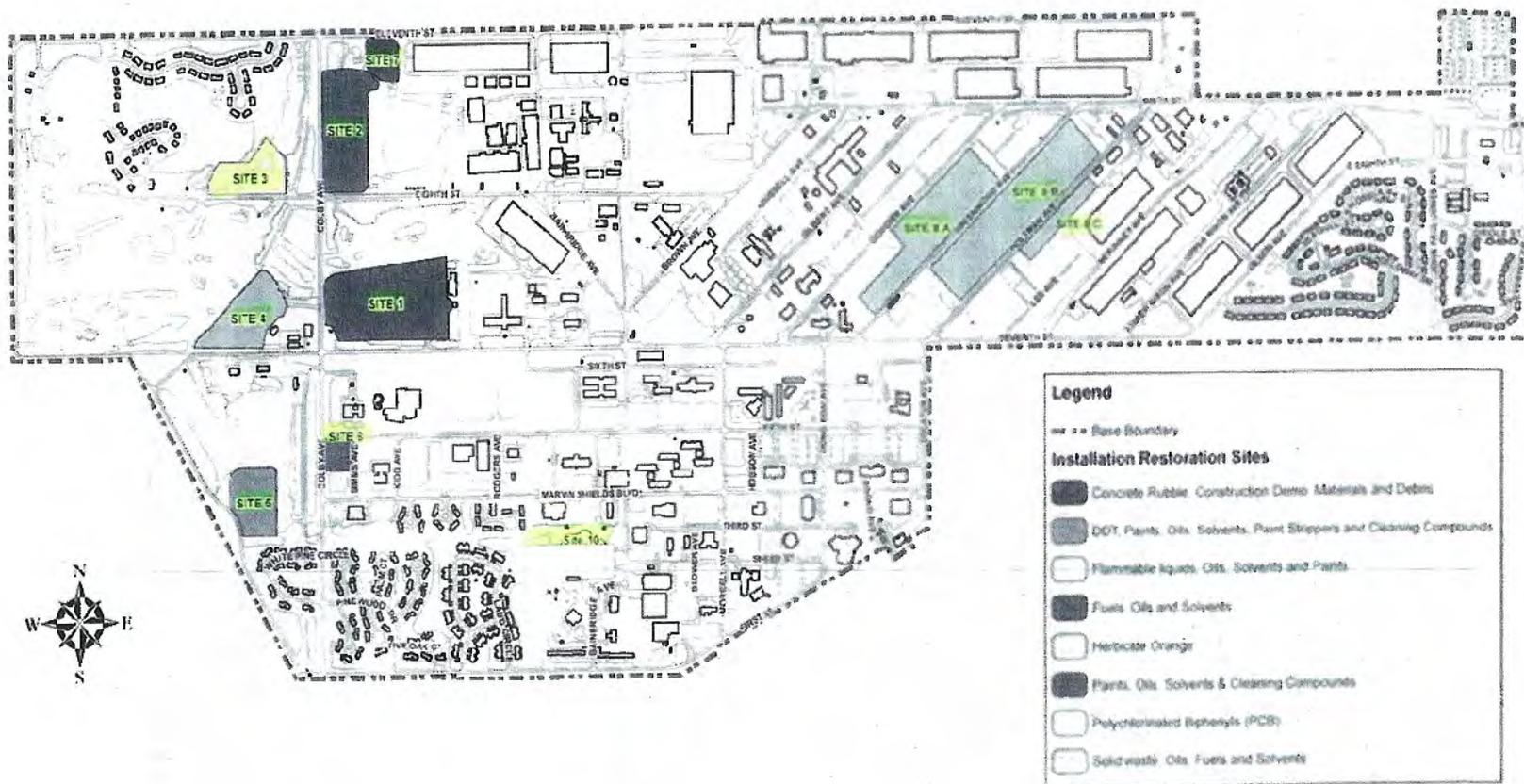


Figure 2 : Location of environmental restoration sites at NCBC Gulfport

### 3.0 Roles and Responsibilities

**3.1 Navy:** Navy installations provide a wide range of support functions for our nation's aircraft, submarines, and ships. Historic waste management practices and accidental spills associated with these activities sometimes resulted in the release of contaminants to the environment. Since the early 1980s, the Navy has been conducting environmental restoration activities at installations nationwide to identify, characterize and cleanup these historic sites. This program is called the Installation Restoration Program or IRP.

The purpose of the IRP is to reduce the risk to human health and the environment from historic waste disposal operations and hazardous substance spills on Navy properties. At Naval Construction Battalion Center Gulfport, environmental restoration is guided both by the Navy's IRP and by the MDEQ supplemental Agreed Order (referred to simply as the "AO"). Both programs are conducted in accordance with the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA), as amended by the Superfund Amendments and Reauthorization Act (SARA), and are supported by federal and state regulatory agency participation. CERCLA is the Federal law, commonly known as "Superfund," which guides the cleanup of historic waste disposal sites at both public and privately owned facilities nationwide. The IRP follows the established Superfund process (Figure 3) and is fully consistent with EPA regulations and federal law. Together, the Navy, federal and state programs provide the necessary guidance and oversight to ensure we meet our mutual, long-term cleanup goals at NCBC Gulfport.



***The Navy Installation Restoration Program (IRP) at NCBC Gulfport follows the established "Superfund" cleanup process and is fully consistent with EPA regulations and federal and state environmental laws. (See Appendix B for additional details)***

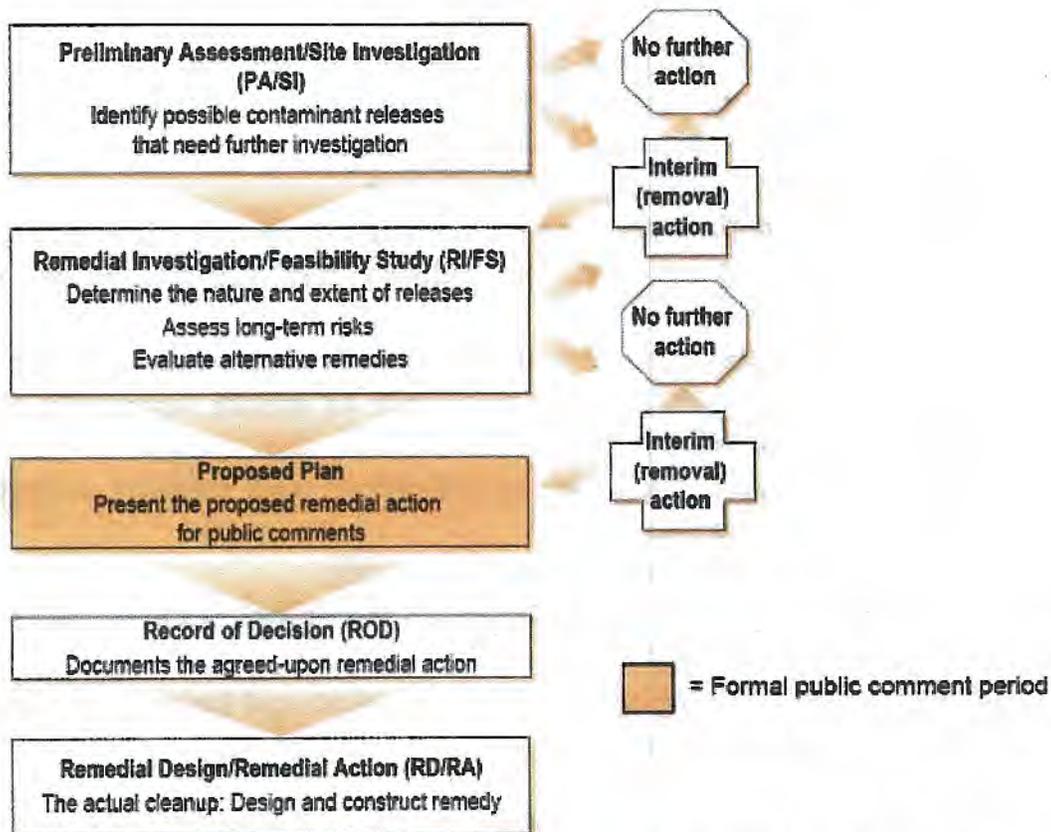


Figure 3 - Navy Installation Restoration Program (IRP) Process

The Navy is the lead federal agency responsible for the environmental restoration program at NCBC Gulfport. Within the Navy, there are many organizations, commands, activities, and personnel that work together to execute and manage the IRP successfully. The IRP for NCBC Gulfport is managed by NAVFAC Southeast headquartered in Jacksonville, FL. NAVFAC Southeast has assigned a Remedial Project Manager (RPM) to manage all aspects of the IRP for NCBC Gulfport. The RPM is routinely assisted by NCBC staff, Navy and Marine Corps Public Health Center (NCMPHC) staff, and contractor support personnel. Individual roles and responsibilities are briefly highlighted in the following sections.

**3.1.1 Remedial Project Manager:** The RPM is the single individual responsible for all aspects of the NCBC IRP including interagency relationships, funding, scheduling, design and remedial action. The RPM's core responsibility is to identify the resources needed to implement the IRP in a cost-effective, timely and efficient manner. Major RPM responsibilities include, but are not limited to: the following:

- Coordinating, directing and reviewing all IRP site work;
- Maintaining a close working relationship with installation personnel to ensure effective communication and minimize potential impacts to NCBC property, personnel and/or mission;
- Coordinating with federal and state regulatory agencies, natural resources stakeholders/trustees to facilitate communications and minimize conflict;
- Developing statements of work, independent government estimates, and related documentation as necessary to ensure successful implementation of the NCBC IRP;
- Preparing contract/task order modifications and tracking changes in scope, cost or schedule;
- Maintaining files and administrative records;
- Reviewing daily field logs, proposals, technical documentation, etc. relating to the IRP; and
- Ensuring overall compliance with local, state and federal environmental laws and Navy policy.

**3.1.2 NCBC staff:** Personnel from NCBC Gulfport routinely assist the RPM with document reviews, site visits, Restoration Advisory Board (RAB) meetings, public outreach, base access, logistics, etc. On-site NCBC staff involvement is critical to ensure that the interests of the center are fully considered in all IRP actions, and that impacts to day-to-day operations are minimized. The NCBC Gulfport IRP manager is the local point of contact for the environmental restoration program at the center. See section 5.3 of this CIP for additional details regarding this position.

**3.1.3 Navy and Marine Corps Public Health Center:** NMCPHC is centrally funded to provide support to Navy RPMs in the following key areas:

- Health and environmental risk communication support and training;
- Human health risk assessment;
- Toxicological support on specific contaminants of concern;
- Public health assessment support, including coordination with the Agency for Toxic Substances and Disease Registry (ATSDR);
- Health and safety planning; and
- Community involvement planning and public outreach activities.

NMCPHC personnel are responsible for assisting NCBC in conducting RAB meetings, conducting community interviews, updating the CIP, developing key messages and fact sheets, and evaluating potential past exposures.

**3.1.4 Contractor Support Personnel:** Contractor support personnel continue to play a critical support role to the RPM and the IRP program. Contractor personnel are key members of the Navy team and are responsible for providing much of the routine technical support, data collection and analysis and reporting during site investigation, characterization, remediation and long-term management phases of the IRP. RPMs typically rely heavily on contractor support to help manage daily IRP operations. This allows the RPM to focus on the overall management of the project and ensure it is executed on time and within budget.

Under the Comprehensive Long-Term Environmental Action, Navy (CLEAN) contract, contractor support personnel at NCBC Gulfport are responsible for providing professional engineering services during the study and design phases of the IRP. Contractors are also responsible for planning and coordinating RAB meetings and other community involvement activities and outreach events.

**3.2 Regulatory Agencies:** The Navy routinely coordinates ongoing IRP actions with both federal and state regulatory agencies. Since NCBC Gulfport is not on the National Priority List (NPL) for cleanup, the EPA has minimal involvement in the overall cleanup program. As a result, the primary agency for regulatory oversight is the MDEQ. MDEQ is the lead agency for all aspects of the IRP including document reviews, project consultations, remedial decision-making and enforcement. It is the Navy's goal to continue open and honest communications with all regulatory agencies to ensure they have adequate opportunity to participate in all phases of planning and selection of appropriate response actions for each IRP site.

**3.3 City of Gulfport/Harrison County:** Local government can also provide input into the NCBC Gulfport IRP. Although there is typically limited involvement at the local level, NCBC Gulfport routinely advises and consults with local officials when ongoing environmental projects have the potential to have off-base impacts. Harrison County also provides an information repository to ensure documents relating to the NCBC environmental restoration program are accessible to the general public (See Appendix C).

**3.4 Community:** The community plays an active role in the NCBC Gulfport IRP by:

- Reviewing documents and providing comments (i.e., Proposed Plans);
- Participating in meetings and other community involvement programs (including the Restoration Advisory Board or RAB);
- Providing input, advice and recommendations to Navy leadership regarding ongoing environmental restoration activities.

The Navy is committed to continuing to provide information to the community regarding the NCBC Gulfport environmental restoration program. Community members are encouraged to get involved in the process and provide their input, questions and/or concerns directly to the Navy project team. Points of contact for the NCBC Gulfport IRP are listed in Appendix D.

## ***4.0 Community Background***

**4.1 Community Profile:** The Gulfport community profile is summarized in the following subsections.

**Community and Setting:** The city of Gulfport is located in Harrison County along the Mississippi gulf coast 75 miles northeast of New Orleans, Louisiana. Gulfport covers approximately 56 square miles and is the second largest city in Mississippi. Communities near Gulfport include Long Beach, Pass Christian and Diamondhead to the west, Landon and Lyman to the north and Biloxi and D'iberville to the east. Kessler Air Force Base is located approximately 13 miles to the east of Gulfport on Highway 90 (Beach Boulevard).

From its humble beginnings as a lumber port in 1898, Gulfport has evolved into a diversified city. With about 6.7 miles of white sand beaches along the Gulf of Mexico, Gulfport has become a major tourist destination, due in large part to Mississippi's gulf coast casinos. Gulfport is a thriving residential community with a strong mercantile center. There are historic neighborhoods and housing developments, as well as diverse shopping opportunities and many motels scattered throughout to accommodate golfing, gambling, and water-sport tourism. The area around NCBC Gulfport is mainly residential, with a mix of light commercial along the eastern border of the facility.

**Population and Growth:** Gulfport is the larger of the two principal cities of the Gulfport-Biloxi, Mississippi Metropolitan Statistical Area, which is included in

the Gulfport-Biloxi-Pascagoula, Mississippi Combined Statistical Area. As of the 2010 census, the city of Gulfport had a total population of 67,793. The current population density is estimated at 1,191.4 people per square mile (459.9/km<sup>2</sup>). Comparing the 2000 and 2010 census, the population of the city actually decreased by approximately 5% . This can be attributed to Hurricane Katrina, which destroyed many homes and businesses and displaced thousands of people in 2005. Although new housing development has continued, not all of the displaced population has returned to the area. Based on the 2010 census data, Gulfport’s current population distribution is as follows:

Age Group	Number	%
Under age 5	5,450	8.0%
5-19	13,465	19.9%
20-44	24,170	35.6%
45-64	16,871	24.9%
65 & over	7,837	11.6%

The number of males (33,249 or ~49%) to females (34,544 or ~51%) was almost identical. The city had 50,825 or 74.97% of its population at the age of 18 and above. **The median age for the Gulfport population was 33 years old.**

**Racial Makeup:** Based on the 2010 census data, the current racial makeup of Gulfport is:

Racial Group	Number	%
White	38,544	56.9%
Black or African American	24,453	36.1%
Two or More Races	1,848	2.7%
Some Other Race	1,442	2.1%
Asian	1,149	1.7%
American Indian and Alaskan Native	263	0.4%
Native Hawaiian and Other Pacific Islander	94	0.1%

**Businesses:** According to estimates derived from the 2010 census, the total population of Gulfport (16 years and older) is approximately 53,650. Of this total, approximately 34,159 are currently in the labor force with the following employment status:

- Civilian (Employed) 27,345
- Civilian (Unemployed) 5,004
- Armed Forces 1,810

Current figures estimate the unemployment rate in the Gulfport workforce to be approximately 9.3%.

Major employers include: educational services, health care and social assistance; arts, entertainment, recreation, accommodation and food service; and retail trade. These three business categories account for over 50% of jobs currently held by the employed population of Gulfport.

Business Category	Number	%
Educational Services, Health Care & Social Assistance	5838	20.0%
Arts, Entertainment, Recreation, Accommodation & Food Service	4943	17.0%
Retail Trade	4440	15.2%
Professional, Scientific, Management & Administrative	2114	7.3%
Public Service	2010	6.9%
Armed Forces	1810	6.2%
Other Services (Except Public Service)	1598	5.5%
Construction	1425	4.9%
Manufacturing	1411	4.8%
Finance, Insurance, Real Estate, Rental & Leasing	1327	4.6%
Transportation, Warehousing & Utilities	1186	4.1%
Wholesale Trade	735	2.5%
Information	318	1.1%

**Nearby Regional Centers/Residential Groupings:** Major regional population and industrial centers near NCBC Gulfport include:

Major Regional Centers	Population	Distance
Biloxi, MS	44,725	13
Pascagoula, MS	22,557	35
Hattiesburg, MS	51,617	70
Mobile, AL	195,111	75
New Orleans, LA	343,829	75

The area around NCBC Gulfport is mainly residential, with a mix of light commercial along the eastern border of the facility. Based on the 2010 census data, there were 31,602 housing units at an average density of 555.4/sq mi (214.4/km<sup>2</sup>). The city had 83.24% housing units occupied. There was an average of 2.57 persons living in each occupied housing unit.

**Economics:** Based on the 2010 census data, the median household income for Gulfport was \$36,104, and the median income per family was \$42,263. Males had a median income of \$30,642 versus \$25,477 for females. The per capita income for the city was \$17,963. Approximately 25.8% of the population and 22.4% of families were below the poverty line. Out of the total population, 40% of those under the age of 18 and 7.5% of those 65 and older were living below the poverty line.

Total Household Income	#	%
Less Than \$10,000	2,918	11.9
\$10,000 to \$14,999	2,243	9.2
\$15,000 to \$24,999	3,155	12.9
\$25,000 to \$34,999	3,473	14.2
\$35,000 to \$49,999	4,321	17.7
\$50,000 to \$74,999	4,181	17.1
\$75,000 to \$99,999	1,682	6.9
\$100,000 to \$149,999	1,823	7.5
\$150,000 to \$199,999	432	1.8
\$200,000 or more	211	0.9
Median household income (dollars)	\$36,104	
Mean household income (dollars)	\$46,731	

**Public School Systems:** There are currently seven elementary schools, two middle schools, and 4 high school/alternative education centers serving the Gulfport school district in the following locations:

Grades	School	Location
K-5th	Anniston Elementary	2314 Jones Street
K-5th	Bayou View Elementary	4898 Washington Avenue
K-5th	Central Elementary	1043 Pass Road
K-5th	Gaston Point Elementary	1526 Mills Avenue
K-5th	Pass Road Elementary	37 Pass Road
K-5th	Twenty-Eighth St. Elementary	3034 - 46th Avenue
K-5th	West Elementary	4051 15th Street
6th-8th	Bayou View Middle	212 43rd Street
6th-8th	Gulfport Central Middle	1310 42nd Avenue
9th-12th	Gulfport High School	100 Perry Street
Alternative	Career and Technical Center	100 Perry Street
Alternative	The Learning Center	1215 Church Street
Alternative	High School GED Program ("The Blue School")	2507 21st Street

**Need for Translation Services:** Based on the 2010 demographic data and experience to date with RAB meetings, public meetings and other community outreach initiatives, there is no current requirement for translation services for non-English speaking residents or for signing for the hearing impaired.

**4.2 History of Community Involvement:** NCBC has implemented numerous initiatives over the years to encourage community awareness and involvement in the NCBC Gulfport environmental program. These initiatives have included, but are not limited to:

- Developing and distributing fact sheets/poster presentations;
- Holding RAB and other public meetings;
- Providing public notices, announcements; and comment periods;
- Arranging site tours and speaker presentations;
- Establishing information repositories and administrative record files to make information available to all community members, and;
- Conducting periodic community interviews.

A brief summary of the NCBC Gulfport history of community involvement to date is provided as Appendix E to this plan.

**4.3 Key Community Concerns:** One of the methods used by NCBC to update their community involvement planning is to conduct community interviews. The most recent community interviews were conducted during June of 2011 by personnel from NMCPHC in Portsmouth, VA. Depending on people's availability, interviews were conducted either face-to-face (on-site in Gulfport) or over the phone. A copy of the interview questions is provided as Appendix F. These most recent interviews allowed NCBC Gulfport to identify community questions/concerns, information needs, and general useful feedback and recommendations for improving community involvement regarding the base environmental restoration program.

Although over 80% of all people polled had positive comments about NCBC Gulfport (see Appendix G), there were seven common issues and concerns that were identified. NMCPHC personnel summarized the information provided by each interviewee and identified the following general categories or "themes" of concerns (See Appendix H):

- Lack of public knowledge/information regarding the NCBC environmental restoration program;
- Perceived health effects (Site 8/Agent Orange);
- Lack of trust;
- Environmental justice concerns;
- Environmental concerns regarding water quality & coastal resources;
- Perceived economic impacts; and

- General lack of interest regarding the environmental restoration program.

Each of these concerns is discussed in more detail in the following sections.

**THEME #1: Lack of public knowledge/information regarding the NCBC environmental restoration program:** Approximately 63% of the people interviewed expressed concerns regarding the level of general knowledge and/or lack of available information regarding the NCBC environmental restoration program. General comments tended to focus on information gaps, areas of potential improvement, etc. and included the following focus areas:

- need for more information for the general public (including information regarding any off-base sampling and monitoring programs);
- suggested means for getting such information out to the community;
- available partnership opportunities that are currently underutilized (esp. to share and disseminate information);
- potential suggestions to improve the overall RAB meeting process (including the meeting notification process, use of plain English at meetings and in print, etc.; and
- the need for a public access website where all information regarding the NCBC Gulfport environmental restoration program could be efficiently shared and updated to allow community access to the latest, up-to-date information.

**THEME #2: Perceived health effects (Site 8/Agent Orange):** Approximately 44% of all people interviewed indicated there were community health concerns regarding the NCBC Gulfport Installation Restoration (IR) Site 8 (Air Force Herbicide Orange or “Agent Orange” Spill Area). Many of the people interviewed spoke compassionately of people in their families or in their neighborhoods that had cancer or other illnesses they believed to be related to past exposures to Agent Orange originating at NCBC Gulfport. Some of the people interviewed had the perception that Site 8 was still “open” and that the cleanup was incomplete. Some people also believed that the off-site areas still require continued investigation and cleanup. Although the site has been cleaned up and capped with concrete and off-site contamination has been removed, many people are still concerned and suspect a link between historical exposure to Agent Orange and current cancer and other health effects observed in the community. Comments relating to health effects fell within the following general categories:

- perception that areas around the base are not a good place to live due to

- historical “Agent Orange” contamination;
- perception that cancer and other health effects observed in the community (and in the retired workforce from NCBC Gulfport) are a result of past exposures to “Agent Orange”;
  - perception that the Navy should pay for additional sampling, blood work, and ongoing health care costs for community members affected by off-site Agent Orange contamination; and
  - frustration that levels of past contamination and exposures are unknown and cannot be reconstructed, and that off-site investigations may not have been adequately completed.

**THEME #3: Lack of trust:** Approximately 27% of those interviewed made statements that they did not trust local, state or federal government, Navy contractors and/or the Navy in general. The majority of these comments referenced NCBC Gulfport or the Navy and were often made with specific reference to the Site 8/Agent Orange issues previously discussed. Some interviewed specifically referenced the fact that they trusted certain individuals within the Navy (the local NCBC environmental representative) but not military leadership overall. The following perceived problem areas were specifically referenced:

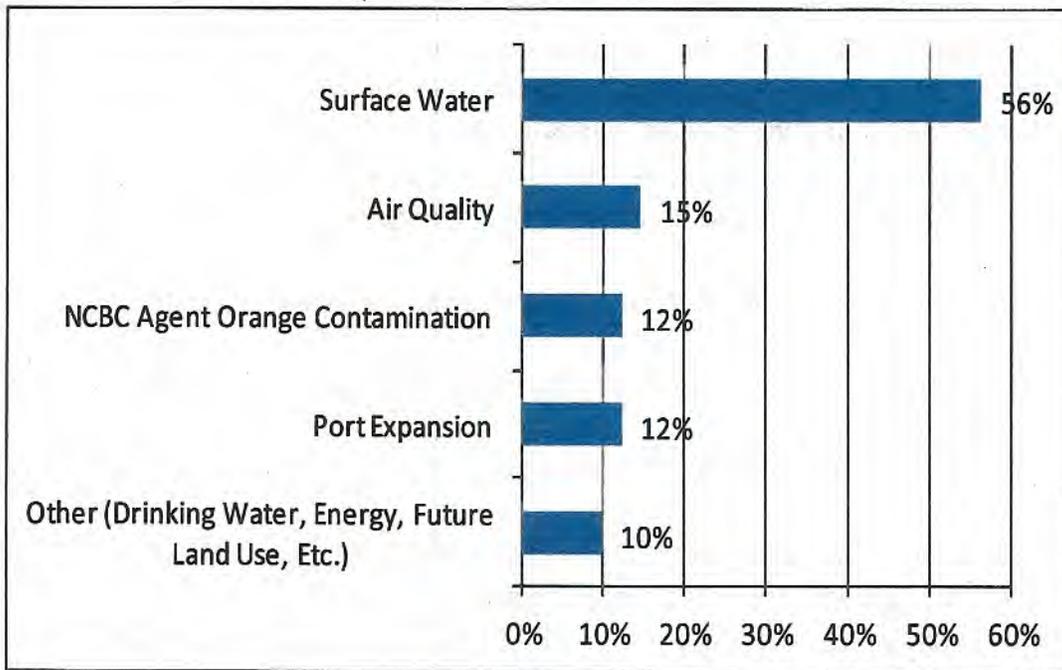
- perception that information is not shared completely or in a timely fashion;
- belief that sampling conducted by Navy contractors was not accurate and/or was dishonest;
- uncertainty that NCBC Gulfport has addressed all cleanup issues related to Site 8;
- perception that the base only engages important or influential stakeholders and ignores the community right outside of the gates;
- perception that military leadership has not taken a lead role to address community concerns (specifically referencing Commanding Officer/ Executive Officer (CO/XO)); and
- belief that NCBC should do more on a day-to-day basis to engage the community.

**THEME #4: Environmental Justice Concerns:** Approximately 17% of those interviewed stated that “environmental justice” issues were high priority for the community. Specific comments received included:

- belief that certain areas of the community are impacted disproportionately by environmental contamination (i.e., Turkey Creek);

- belief that there were not many businesses outside of the base as the community is predominantly minority;
- perception that NCBC Gulfport has a poor relationship with the Turkey Creek community; and
- perception that off-site environmental cleanup was not a priority because most of those affected were low income/minority.

**Theme #5: Environmental concerns regarding surface water and coastal resources:** Approximately 71% of those interviewed indicated that environmental issues were very important to the community of Gulfport. When specifically asked which environmental issues were the most important, the following major categories emerged:



Approximately 56% of people interviewed indicated that the most important environmental issue facing the Gulfport community was surface water quality. Surface water issues were further subdivided into:

- potential impacts to surface water quality in general;
- potential impacts to barrier islands and beaches;
- potential impacts to the seafood industry;
- historic impacts from the BP oil spill and creosote plant;

- potential impacts from storm water runoff and flooding; and
- potential impacts to wetlands (and specifically) the Turkey Creek watershed.

The fact that community concerns with overall surface water quality was at the top of the list is not surprising due to the fact that the Gulfport is a popular tourist location and a very productive area for both the recreational and commercial seafood production.

General air quality issues were the second highest concern, comprising approximately 15% of the total responses in this category. Specific concerns cited included coal-fired power plants and air pollution associated with planned port expansion projects.

Of those impacts specifically attributable to NCBC Gulfport, approximately 12% of people interviewed cited environmental contamination associated with the Site 8/Agent Orange issues previously discussed. (Note: These responses were comprised of those that specifically referenced environmental contamination related to Agent Orange, not perceived health issues. The latter concern scored much higher overall and is discussed in more detail in the previous section under “**THEME #2: Potential health effects (Site 8/Agent Orange)**”.

Another 12% of the responses received indicated that the planned expansion of the port of Gulfport also was of general concern because of potential environmental impacts associated with the project. Concerns that were cited included: potential impacts from a new port connector road, project-wide impacts from construction activities, and (specifically) potential impacts to the Turkey Creek watershed.

The remaining “catch all” category of environmental issues and concerns comprised less than 10% of the overall responses and included such diverse categories as: bauxite, drinking water, energy and future land use.

**THEME #6: Perceived Economic Impacts:** Approximately 10% of the people interviewed expressed general concern about perceived economic impacts from NCBC Gulfport. Specific concerns included:

- perceived lower property values in the community adjacent of NCBC Gulfport;
- perceived difficulty in renting or selling homes in the neighborhood due to historical contamination from the base; and

- concern that the community has not reaped any tangible benefits from being located next to the base.

**THEME #7: General lack of interest regarding the environmental restoration**

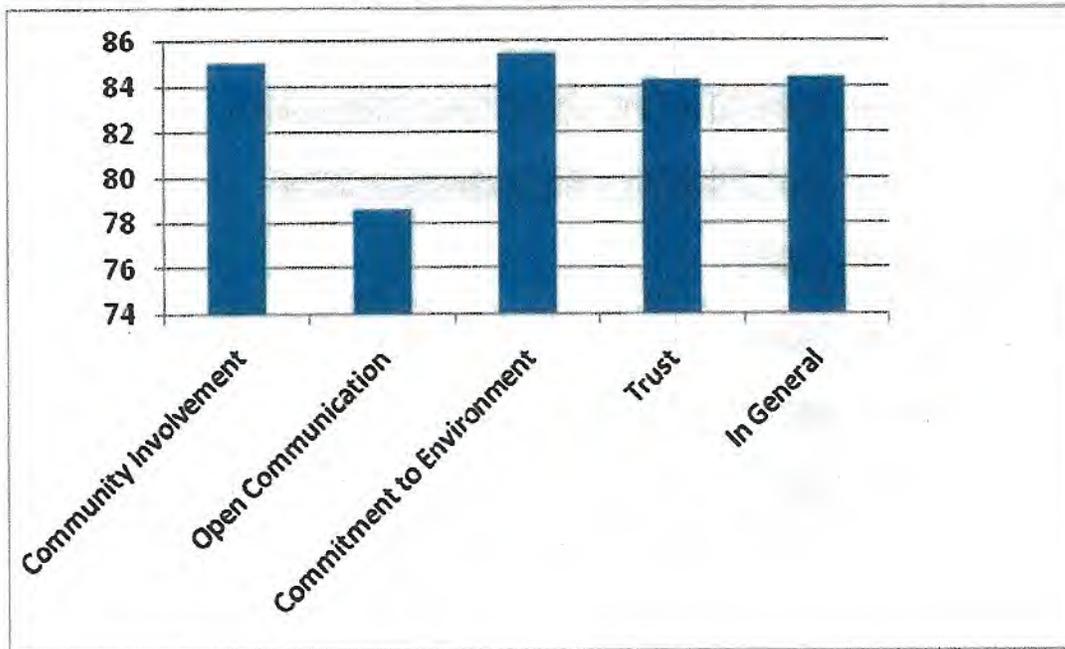
**program:** The remaining concern (also comprising approximately 10% of the responses received in this category) had to do with community indifference or frustration regarding the NCBC Gulfport environmental restoration program. Several people commented that they had essentially “given up” as the Navy had ignored or “reasoned away” their concerns without really addressing them. Specific concerns in this area included:

- perception that nothing a community member could say would make a difference;
- perception that information presented at RAB meetings is not helpful; and
- belief that the base is not listening the community concerns.

**4.4 Response To Community Concerns:** NCBC Gulfport is committed to responding to community concerns and questions raised by the most recent round of interviews. The draft CIP was presented for RAB review and comment during the 1st quarter of 2012. Three RAB members reviewed the CIP and provided comments. Those comments were incorporated into the document. Additional potential actions are detailed in section “**5.1 Proposed Path Forward**”.

**4.5 Summary of Communication Needs:** While NCBC Gulfport scored in the 80th percentile for such key indicators as community involvement, commitment to the environment and trust, there is clearly room for improvement in the area of open communication. The recently completed community interviews have highlighted that the NCBC Gulfport community is diverse with multiple, often conflicting, issues and concerns being expressed within the same community or neighborhood. These diverse communication needs require an equally diversified approach to the dissemination and sharing of information, targeted to the specific issues and concerns raised by our community members.

## NCBC/Community Relationship in Key Areas



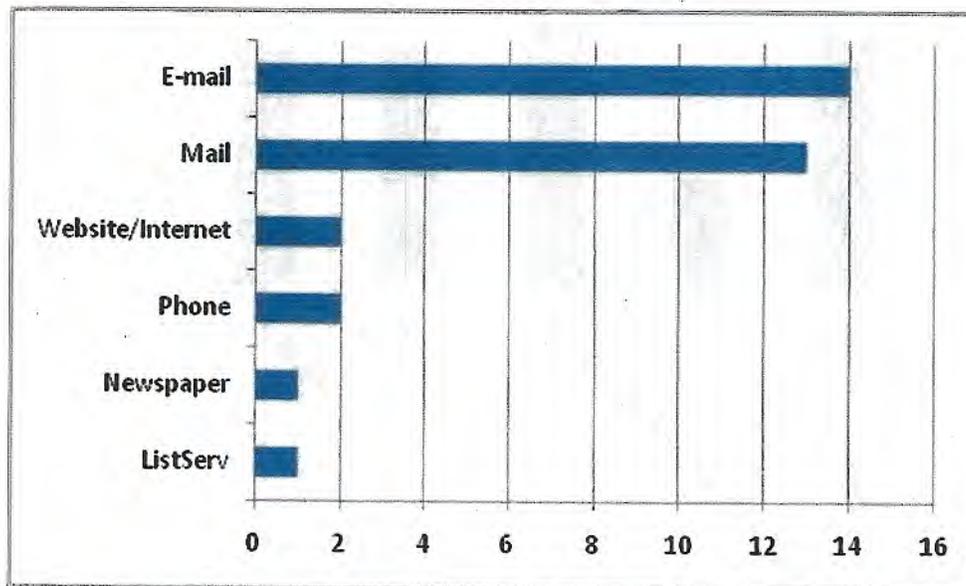
During the interviews conducted in June of 2011, community members identified the types of information they wanted to receive as well as the preferred communication channels to be used and frequency of distribution. Those polled indicated they wanted to be kept up-to-date regarding:

- cleanup status;
- upcoming meetings/events;
- community involvement initiatives;
- ways to contribute to the overall NCBC Gulfport environmental restoration program;
- NCBC Gulfport contributions to the local economy;
- potential impacts from planned base actions such as base expansion, construction projects, traffic/roadways projects, etc.; and
- status of off-base sampling and monitoring.

Those interviewed indicated they preferred to receive such information via e-mail and regular mail, with websites/internet, phone, newspaper and list servers listed as other possible alternative methods (in decreasing order of preference).

People interviewed further stated that they would prefer to be contacted whenever new information or updates are available, with regular mailings identified as a secondary option (with quarterly updates preferred).

### Preferred ways to receive information



### 5.0 NCBC Gulfport Community Involvement Plan (CIP)

The overall goal of the NCBC Gulfport CIP is to promote effective, two-way communication between the base and the surrounding community regarding the ongoing environmental restoration program. To achieve this goal, NCBC Gulfport is proposing to implement the community initiatives described in the following sections. These initiatives are specifically designed to address issues and concerns identified during the most recent rounds of community interviews (June 2011) and to allow for the community to participate in a meaningful and active way in the ongoing environmental restoration program initiatives.

**5.1 CIP Proposed Path Forward:** As the environmental restoration program for NCBC Gulfport is mature and investigations and remedial actions are in place or proposed for all sites, we fully anticipate community involvement activities to decrease over the coming years. However, in order to address the community issues and concerns identified during the last round of community interviews, several additional community involvement activities are highly recommended in the near term. These recommendations are tailored to specific community concerns and are discussed in more detail in the following sections:

**THEME #1: Lack of Public Knowledge/Information Regarding the NCBC Environmental Restoration Program:**

**Activity 1A:** NCBC will maintain an accurate, up-to-date mailing list for all stakeholders and community members interested in the base environmental restoration program.

**Objective:** To facilitate distribution of site- and topic-specific information to everyone who wants to be kept informed on a regular basis.

**Method:** NCBC Gulfport will continue to periodically update a comprehensive mailing list that includes residents contiguous to the base, local businesses, churches, etc., as well as local, state and federal officials and other interested parties. NCBC Gulfport will utilize this updated list to provide program information via e-mail and regular mail to all stakeholders and interested parties. NCBC Gulfport will continue to solicit interested parties and stakeholders as additions to this list via publishing of periodic fact sheets, newspaper articles, etc. as well as through public meetings and continuous community dialogue.

**Timing:** NCBC will provide program updates on an “as needed basis” as information is available, but with a recommended minimal quarterly distribution.

**Activity 1B:** NCBC will investigate the feasibility of utilizing other methods to distribute information as identified by the community interviews, including, but not limited to: public access websites, phone calls, newspaper articles and list servers.

**Objective:** To facilitate distribution of site- and topic-specific information through multiple secondary channels to ensure maximum distribution of information to the community.

**Method:** NCBC Gulfport will evaluate the feasibility of developing and maintaining a public access website to provide the most up-to-date information regarding the environmental restoration program to the general public. NCBC Gulfport will investigate the overall effectiveness of remaining methods proposed by the Gulfport community and implement the periodic use of phone calls, newspaper articles and various list servers to distribute environmental restoration

program information to the affected community. Other methods identified through the community interview process (see Appendix F) shall also be evaluated for potential applicability including:

- potential information sharing with local organizations, schools, churches and civic groups,
- posting public meeting notices in more locations to reach all segments of the population, and
- talking to community leaders to evaluate the effectiveness of selected methods.

**Timing:** NCBC will provide such program updates through multiple, alternative communication channels on an “as needed basis” as information becomes available, but with a recommended minimal quarterly distribution.

**Activity 1C:** NCBC will ensure information repositories are up-to-date and locations are known to community members and interested stakeholders.

**Objective:** To ensure that information repositories contain the most accurate, up-to-date information regarding the NCBC Gulfport environmental restoration program, and are accessible to the community.

**Method:** NCBC Gulfport will coordinate with the Harrison County public library to ensure that all records transfer from the temporary facility to the new building on Highway 49. NCBC Gulfport will inventory the existing information to determine what needs to be updated, added or removed to maintain a useful archive for community and stakeholder needs.

**Timing:** NCBC will provide such program updates on an “as needed basis” as information becomes available.

**THEME #2: Environmental Concerns Regarding Surface Water and Coastal Resources:**

**Activity 2A:** NCBC will publicize all aspects of the environmental program to include: efforts to cleanup and restore historic environmental sites (IR Program) as well as all of the current programs in place to ensure long-term environmental compliance and stewardship.

**Objective:** To provide all members of the community with information regarding both the IR program and ongoing day-to-day compliance programs. This information is necessary as the Gulfport

community places great emphasis on both the cleanup of historic contamination and the prevention of potential future environmental impacts (particularly to surface water and related resources such as wetlands, beaches, commercial and recreational fishing, etc.)

**Method:** NCBC will develop and implement a method to provide the community with up-to-date status of the environmental restoration program (Activity 2A) and investigate ways to provide basic information regarding the current environmental compliance program, including fact sheets, poster stations, web pages on a public access website, etc. Products will be developed that highlight protection of the environment and natural resources (with particular emphasis on surface water and air quality) as well as the Navy's commitment to long-term environmental stewardship.

**Timing:** Products will be developed as required to supplement community outreach efforts under the NCBC environmental restoration program.

**THEME #3: Perceived Health Effects (Site 8/Agent Orange):**

**Activity 3A:** NCBC will investigate holding community workshops to publicize the cleanup status of all IR sites, with specific emphasis on the environmental restoration status of Site 8. This may be done in conjunction with RAB meetings.

**Objective:** To facilitate distribution of site- and topic-specific information relating to cleanup status of all IR sites (with particular emphasis on the site with the most community concern - IR Site 8).

**Method:** Workshop/special events will be in open house format with poster stations and subject matter experts available to answer questions and provide up-to-date status of cleanup and restoration activities conducted to date. At a minimum, stations will include: an overview of the Navy/Marine Corps environmental program (both past and present, with key emphasis on restoration and highlights of ongoing compliance programs), individual status summaries for all IR sites, completed, current and planned actions for each site, results of public health assessments conducted to date (ATSDR studies and conclusions), appropriate public health contact information, and general points of contact for additional program information. Particular emphasis will be placed on drafting key messages to address community public health concerns with Site 8, including,

but not limited to:

- scope and legal limitations of the Navy/Marine Corps IR program (to include why IR funding cannot be used to fund ongoing health care costs for community members);
- site history and summary of on- and off-site extent of contamination;
- status of off-base cleanup (to include all actions taken to date with timeline and decision tree logic clearly outlined);
- status of all off-site sampling and monitoring (to clearly show that contamination has been successfully removed);
- explanation of cleanup levels and regulatory oversight of the process; and
- overview and role of the public health assessment process (to include ATSDR summary of findings).

Poster stations and handouts will be uploaded to a public access website and referenced in a companion press release (Sun Herald) to ensure access by community members unable to attend the meeting. All products will be simple and easy to understand and will focus on getting basic information and consistent key messages regarding Site 8 out to all interested stakeholders.

**Timing:** NCBC will discuss timing and content of proposed workshops/special events with the NAVFAC Southeast remedial project manager, the NCBC environmental program manager and the RAB to ensure maximum dissemination of information to the surrounding community.

**THEME #4: Lack of Trust:**

**Activity 4A:** NCBC will investigate opportunities for partnerships and identify additional ways to engage the community regarding the ongoing environmental restoration program.

**Objective:** To provide information in a timely and efficient manner, utilizing available communication channels and maximizing available resources, with the ultimate goal to build and maintain trust and credibility throughout the community of Gulfport.

**Method:** Identify and engage community and civic groups and look for available partnership opportunities to disseminate information regarding the ongoing NCBC environmental restoration program, including, but not limited to the following suggestions provided by

the June 2011 community interviews:

- utilizing available list servers to distribute NCBC meeting announcements, updates, and general information;
- partnering with local organizations, civic groups, etc. to participate in local “environmentally themed” events and activities; and
- engaging local community leaders on a regular basis (particularly churches and religious groups).

Encourage increased participation in such programs by NCBC Gulfport senior military leadership (including the NAVFAC RPM) and engage the public affairs officer to publicize such efforts in the local media and on the NCBC public access website. Ensure all products distributed are easy to read and understand and do not contain acronyms, jargon or other technical terms.

**Timing:** Opportunities for partnerships will be identified and evaluated throughout the entire NCBC environmental restoration program. NCBC, NAVFAC Southeast and Public Affairs Office (PAO) personnel will coordinate efforts to provide maximum visibility for such community partnership opportunities.

**THEME #5: Environmental Justice Concerns:**

**Activity 5A:** NCBC will continue to be sensitive to perceptions regarding environmental justice issues, and seek full and fair participation in the environmental restoration program by all members of the community.

**Objective:** To engage all aspects of the community, regardless of race, age, religion or social status and to ensure equal representation for input to decision-making process by every stakeholder.

**Method:** NCBC will identify available opportunities for partnerships as identified under Activity 3A previously discussed, and actively seek inputs from communities and businesses directly outside of the base. In particular, the Turkey Creek community was identified by one interviewee as having a poor relationship with the base. NCBC will actively engage the Turkey Creek community and work to dispel this perception through regular interaction and communication wherever and whenever possible.

**Timing:** NCBC, NAVFAC and PAO personnel will work together to identify potential partnership opportunities with communities and

businesses directly outside of the base, with increased emphasis on the Turkey Creek community.

**THEME #6: Perceived Economic Impacts:**

**Activity 6A:** NCBC will publicize the positive economic impact the base has had on the surrounding community as required.

**Objective:** To provide the overall positive economic impact that NCBC has on the surrounding community of Gulfport by highlighting the annual payroll, number of military, civilian and contract jobs, construction contracts, purchases, value of volunteer services, etc.

**Method:** NCBC will provide the information highlighted in section 2.3 of this document in response to questions regarding perceived economic impacts. This information will be updated periodically as new Navy Region Southeast Economic Impact Assessments are completed.

**Timing:** NCBC and NAVFAC personnel will coordinate with the NCBC PAO to ensure this information is kept up-to-date and ready for distribution as required.

**THEME #7: General Lack of Interest Regarding the Environmental Restoration Program:**

**Activity 7A:** NCBC will solicit public comments regarding this CIP and consider all inputs in developing a revised community involvement strategy.

**Objective:** To show community members that their input is valued and considered in the decision-making process throughout the duration of the NCBC environmental restoration program.

**Method:** Stakeholders and other interested parties should have appropriate opportunities for involvement in a wide range of site-related activities, including the development of the NCBC CIP. NCBC will prepare the draft CIP and provide the document to the RAB for community review and comment, and incorporate revisions where appropriate.

**Timing:** The draft CIP was provided to the RAB for community review and comment during the 1st quarter of 2012 (at a regularly scheduled RAB meeting). The final CIP will be provided for community review and comment at the September 2012 RAB meeting.

## 5.2 Time Frame for Community Involvement Activities:

Information obtained directly from the community interviews conducted during June of 2011 was utilized to develop the proposed community involvement activities detailed and described in the previous sections. A proposed time frame for these activities is provided in Table 2. Recommended actions will be prioritized and implemented based on the approved final document.

Activity	Task Description	Time Frame	Update Frequency
1C	Ensure information repository at Harrison County Library is up-to-date and easy to access	11-Dec	Quarterly
7A	Provide draft CIP to RAB for review and comment	11-Dec	Every 5 years
1A	Maintain accurate, up-to-date mailing lists for all stakeholders; Provide program updates and information via e-mail and regular mail as requested	Ongoing	Quarterly
1B	Investigate other secondary methods to deliver information such as: public access website, newsletters, list servers, links on community websites, etc.	Ongoing	As Required
2A	Publicize environmental compliance programs via fact sheets, poster stations, public access website, etc. as needed (especially CWA compliance programs)	Ongoing	As Required
3A	Develop posters stations, fact sheets, key messages, press releases as needed for public outreach; Evaluate holding additional community workshops/public meetings to provide IRP status for all sites	Ongoing	As Required
4A	Identify and engage local community leaders, religious leaders, etc., and identify potential partnership opportunities to share information and resources	Ongoing	As Required
5A	Actively engage communities and businesses directly outside of the base as appropriate	Ongoing	As Required
6A	Publicize NCBC Gulfport economic contributions to interested stakeholders as required	Ongoing	As Required

Table 2 - Proposed Time Frame for Community Involvement Activities at NCBC Gulfport

**5.3 CIP Point of Contact:** The NCBC Gulfport IRP Manager is the main point of contact for questions regarding the environmental restoration program and the Community Involvement Plan. As the main point of contact, the IRP Manager will:

- Respond to questions regarding the NCBC Gulfport environmental restoration program;
- Track community issues and concerns and recommend additional community involvement activities as appropriate;
- Coordinate media inquiries with the NCBC PAO;
- Manage the mailing list for the NCBC Gulfport environmental restoration program;
- Arrange site tours and speakers for local groups;
- Oversee the status of the Information Repository and Administrative Record; and
- Attend public involvement activities such as the RAB and other public meetings.

Additional points of contact are provided in Appendix C.

# The Origin of the SEABEES

## INSIGNIA & NAME

by Frank J. Lafrete  
Originator



Early in January of 1942, while working as a plan file clerk at the Naval Air Station, Quonset Point, Rhode Island, Civilian and Naval engineers would come in and out of my office to study naval installation drawings. As they studied these drawings, I studied them and sketched their caricatures.

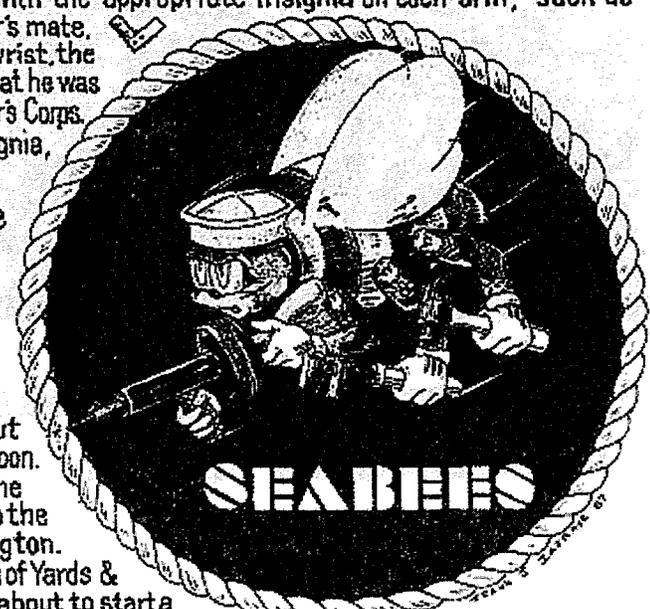
One day a Navy Lieutenant came in. He was the officer-in-charge of some 250 recruits who had been brought in to the newly established "Construction Battalions." This Lieutenant had heard of my cartooning, and asked me if I could produce a "Disney Type" Insignia that would identify and represent this new Battalion. These men would undergo military and construction training, and follow the marines ashore. They would not be an offensive group but could defend themselves if they had to.

My first thought of a beaver, the builder. But some research at the library told me that a beaver in trouble will turn tail and run. So the Beaver was out. Then I thought of a bee... the busy worker, who doesn't bother you... unless you bother him, at which point he comes back with a sharp sting. This was the way of the Construction Battalions.

After the idea was established, the rest came easy. I animated the bee: gave him a white hat to make him "Navy" and a tommy gun to show his fighting ability. I made him third class petty officer with the appropriate insignia on each arm, such as a machinist's mate, a carpenter's mate, and a gunner's mate. On each wrist, the C.E.C. insignia showed that he was part of the Navy Civil Engineer's Corps. Finally, on the outer circle of the insignia, I put the letter Q for Quonset.

Now, what would this group be called? "Men of the Construction Battalions" was a little awkward. I already had the "bee" for these men who worked at sea. Putting the two ideas together, the name... **SEABEES** was born.

The insignia drawing took about three hours on a Sunday afternoon. The next morning I showed it to the officer in charge, who showed it to the Captain, who sent it off to Washington. Admiral Ben Moreell, Chief, Bureau of Yards & Docks, Chief of Civil Engineers was about to start a nationwide campaign - and he saw in my sketch recruiting appeal. He requested only one revision in the insignia: that the Q be changed to a hawsers rope, for national recognition. And today, this is how we recognize that tough and talented group known as the **SEABEES**





**Naval Construction Battalion Center (NCBC) Gulfport MS**

**“Proudly serving the United States of America since 1942”**

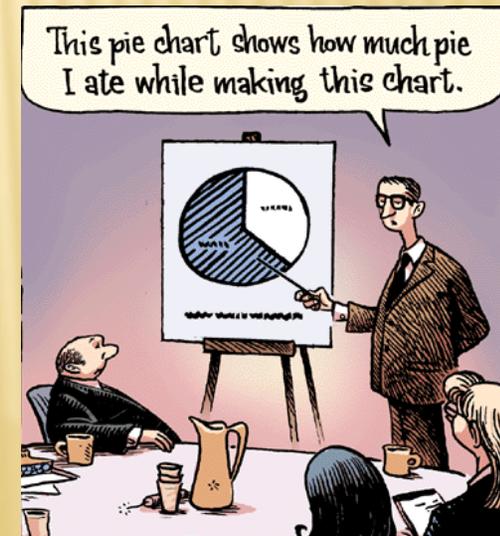
Presented by:  
Gordon Crane – NCBC Gulfport  
Nancy Rouse – Tetra Tech NUS

# **COMMUNITY INVOLVEMENT PLAN (CIP) REVIEW OF THE 2011 CIP RECOMMENDATIONS**

# SUMMARY OF COMMUNITY INTERVIEWS...

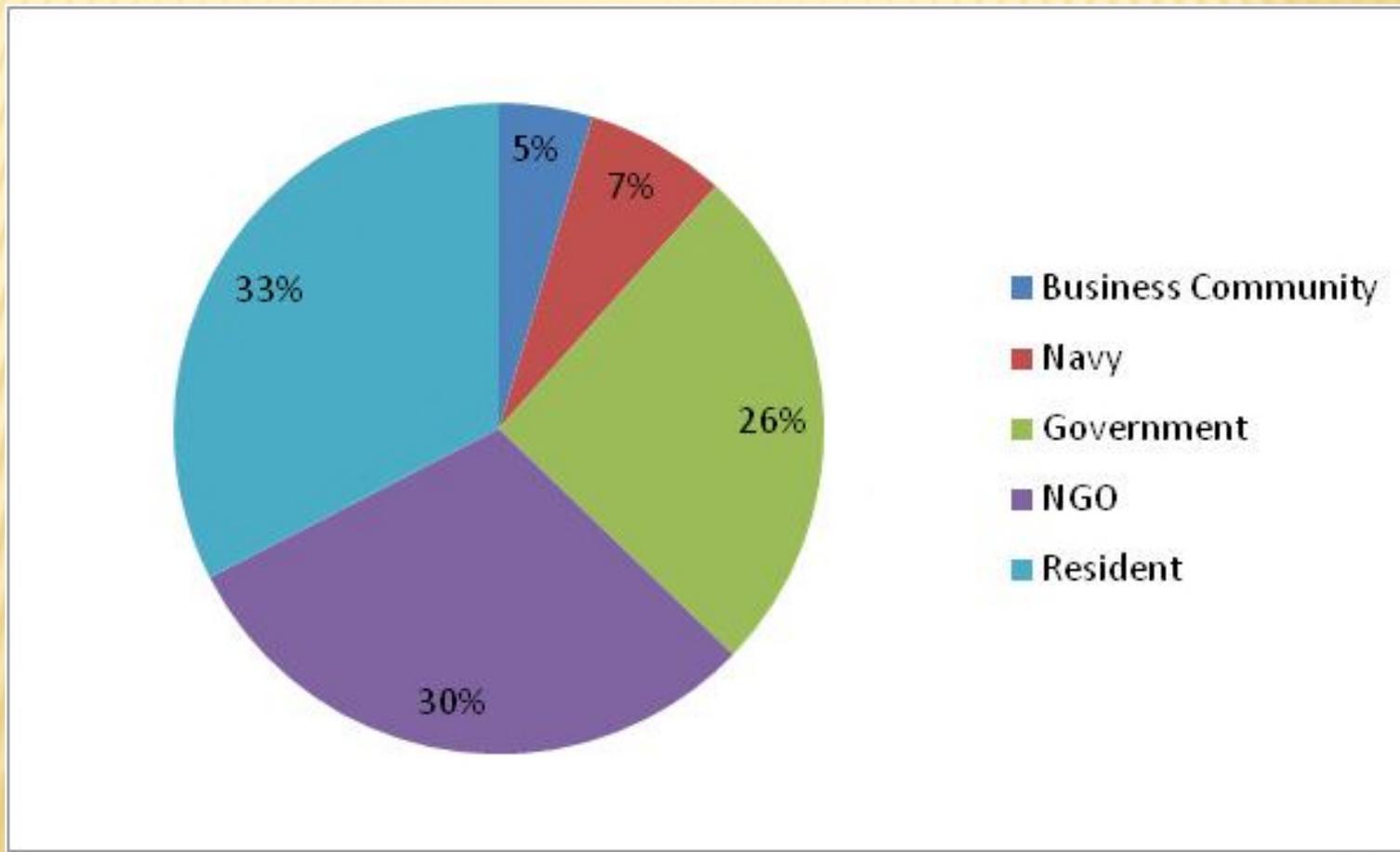
## *Statistics*

- ✘ Interviews conducted June 2011
- ✘ ~101 people contacted/received letters
- ✘ 43 people responded/granted interviews
- ✘ Face-to-face/phone interviews
- ✘ 4 major sections
  - + Intro (general questions)
  - + Environmental
  - + Information/communications
  - + Closing statement



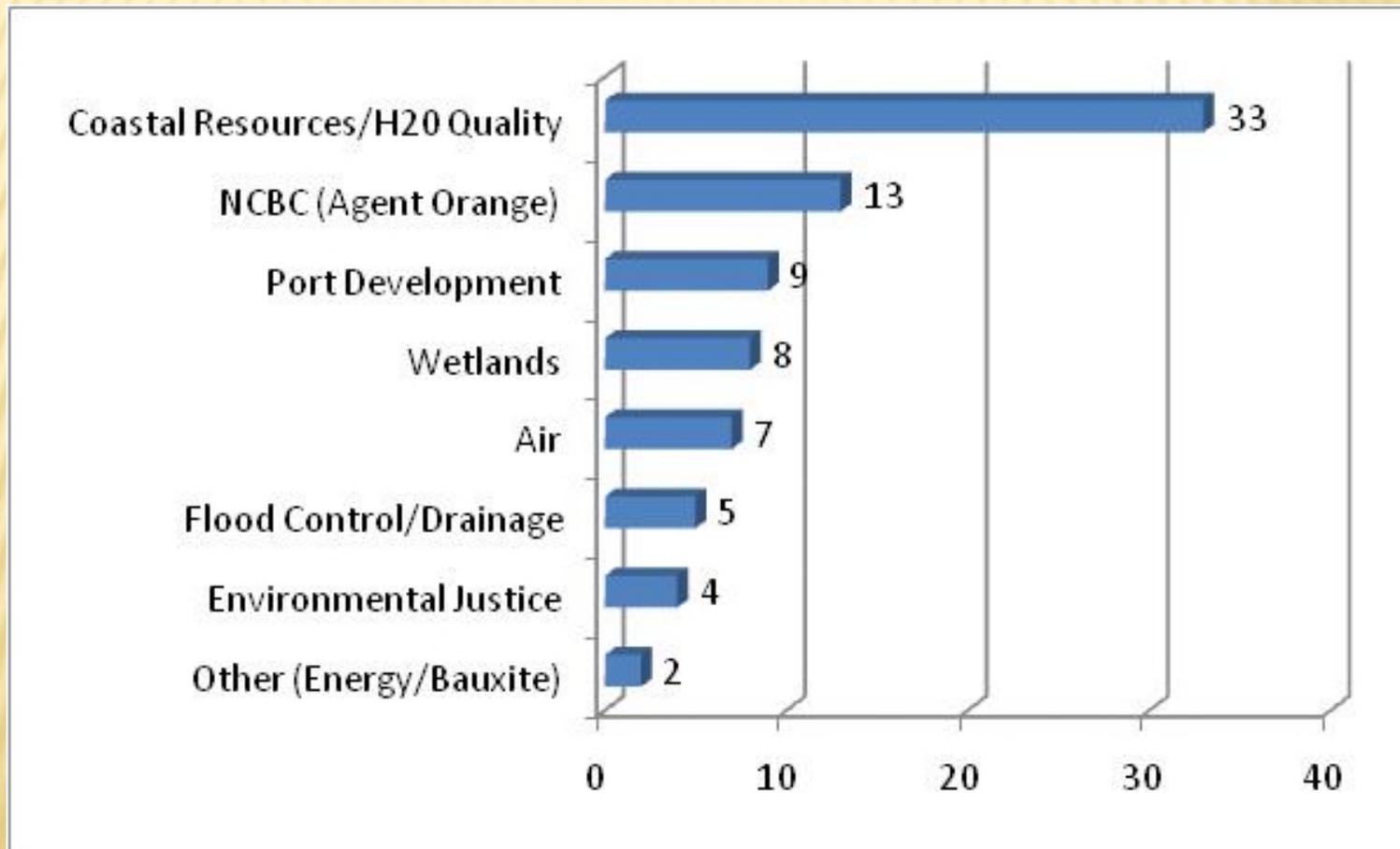
# SUMMARY OF COMMUNITY INTERVIEWS...

## *People Interviewed*



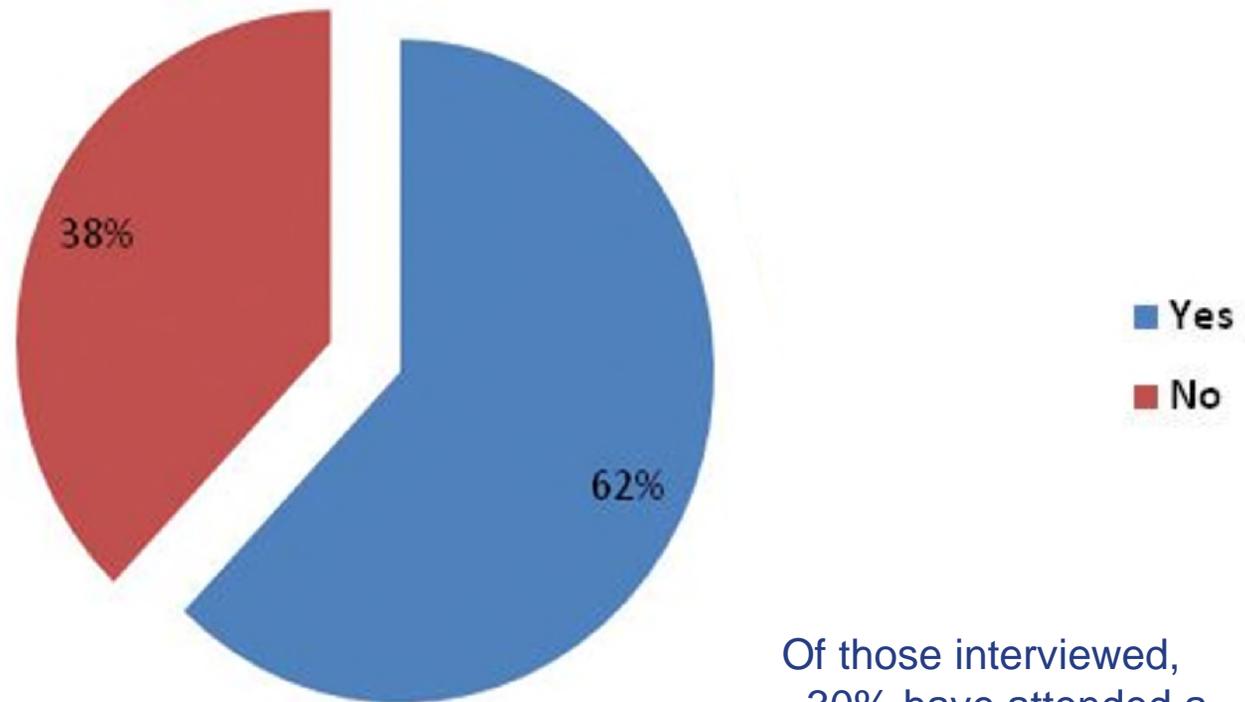
# SUMMARY OF COMMUNITY INTERVIEWS...

## *Most Important Environmental Issues to Community*



## SUMMARY OF COMMUNITY INTERVIEWS...

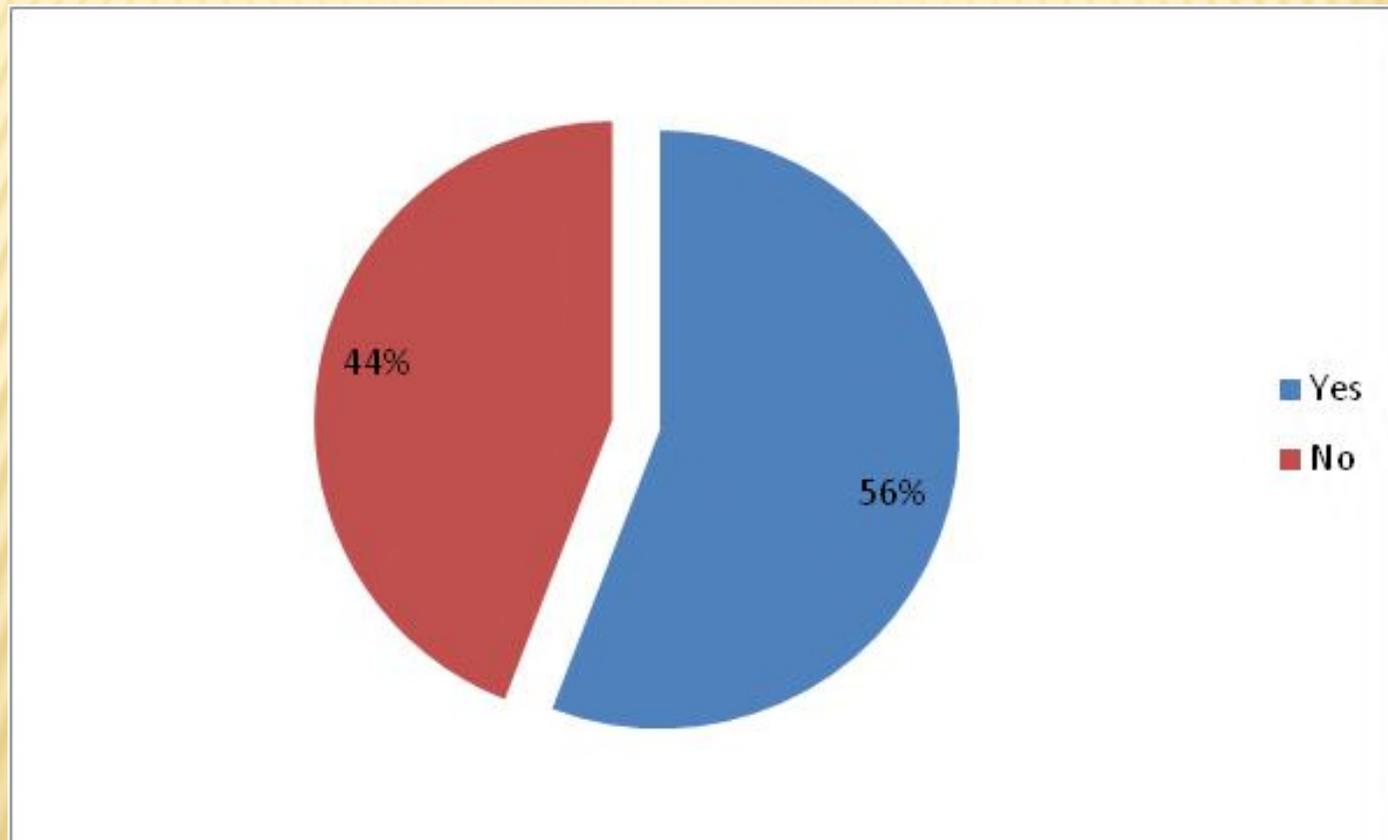
### RAB Familiarity



Of those interviewed,  
~30% have attended a  
RAB meeting

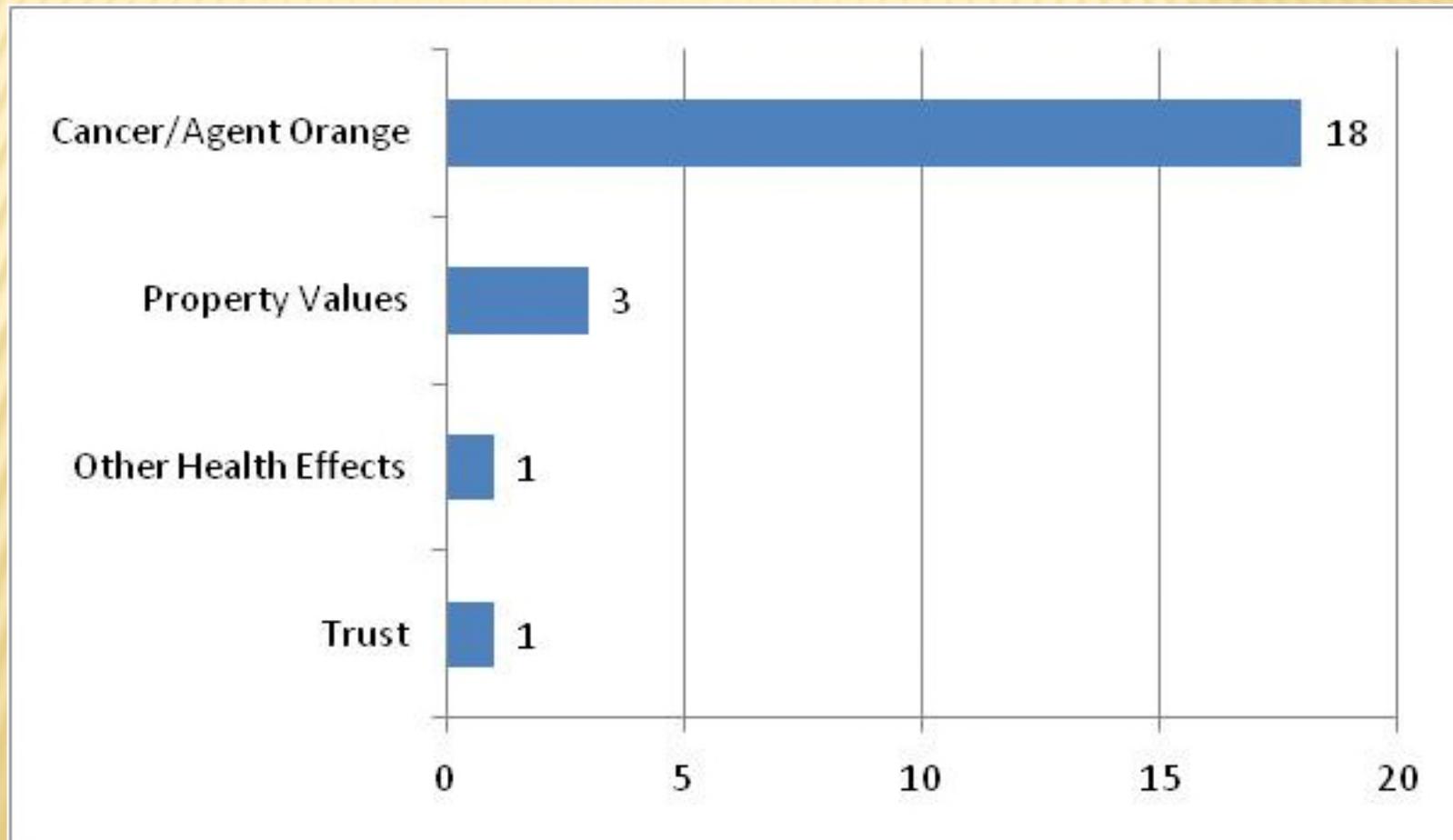
# SUMMARY OF COMMUNITY INTERVIEWS...

## *Interest in serving on the RAB*



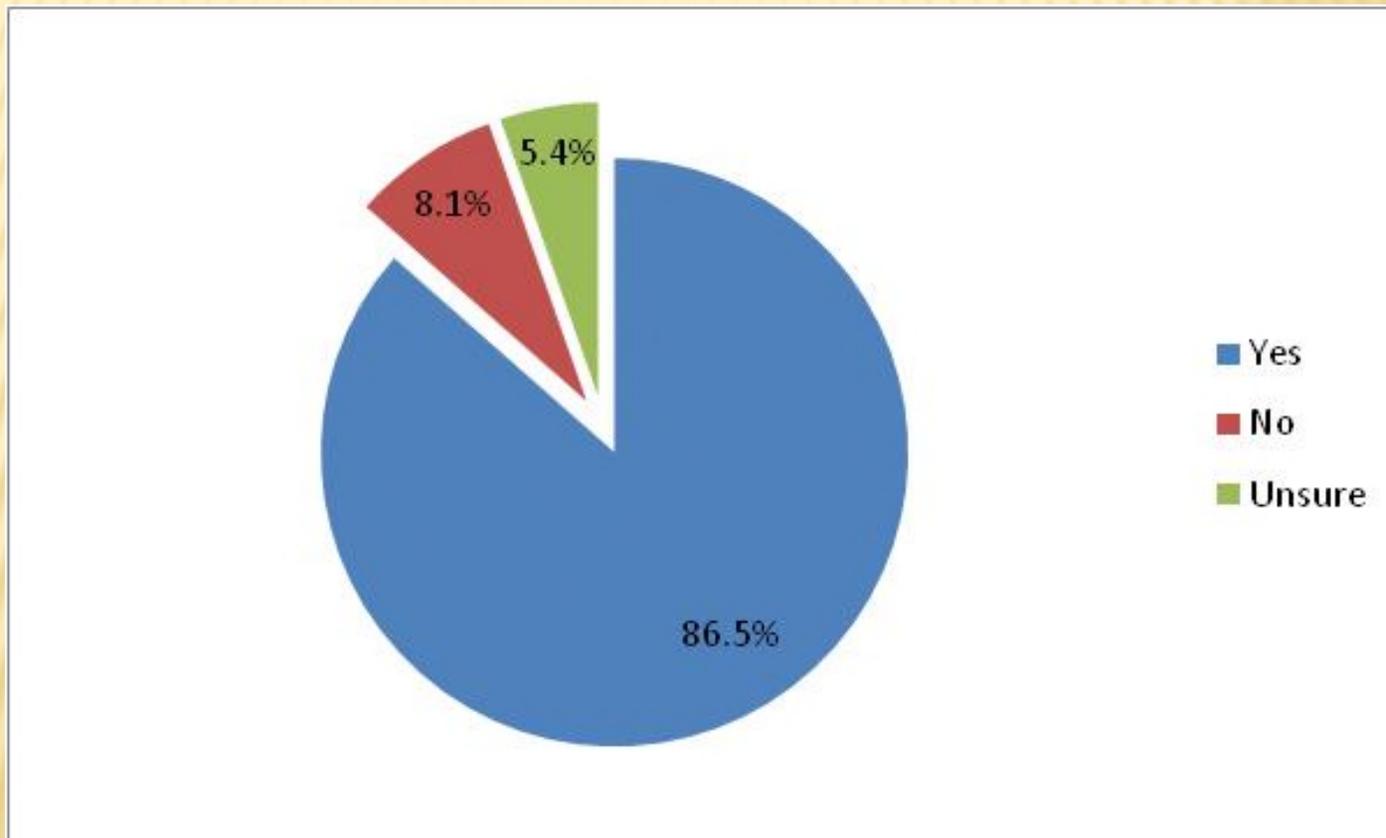
## SUMMARY OF COMMUNITY INTERVIEWS...

*Feel that NCBC environmental issues may have affected the community*



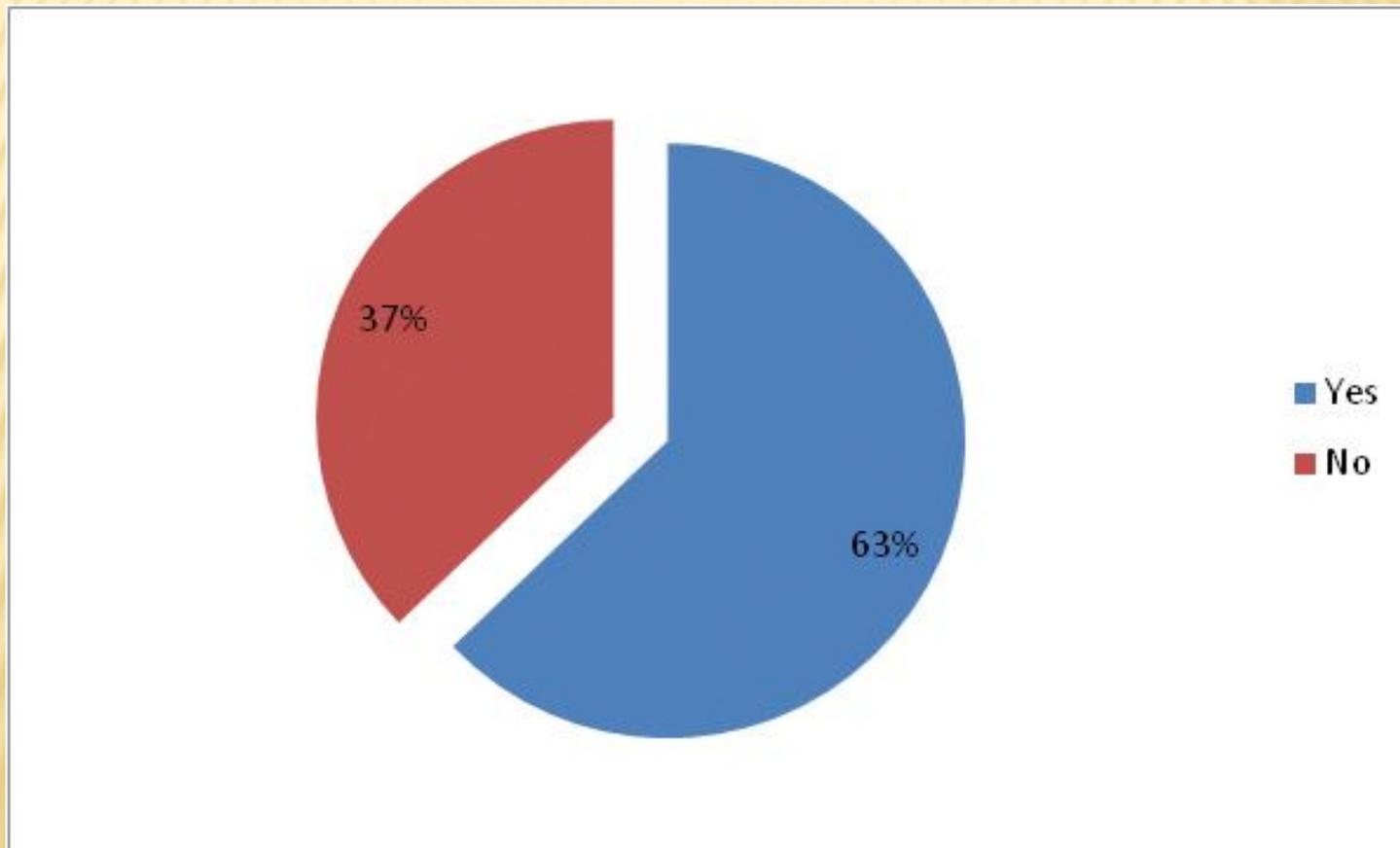
## SUMMARY OF COMMUNITY INTERVIEWS...

*Confidence in Navy to address environmental issues at NCBC*



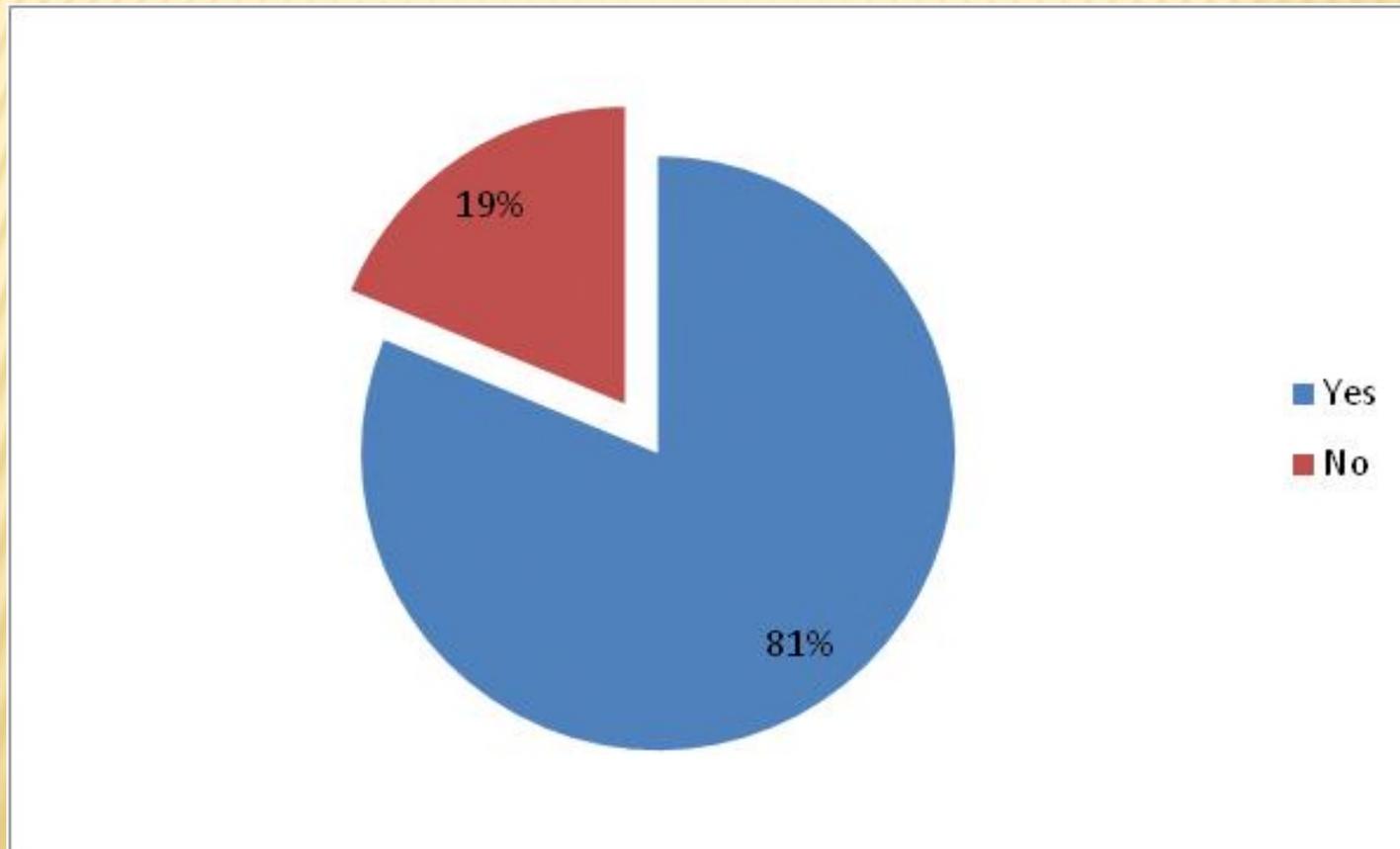
## SUMMARY OF COMMUNITY INTERVIEWS...

*Have seen public notices about environmental program at NCBC*



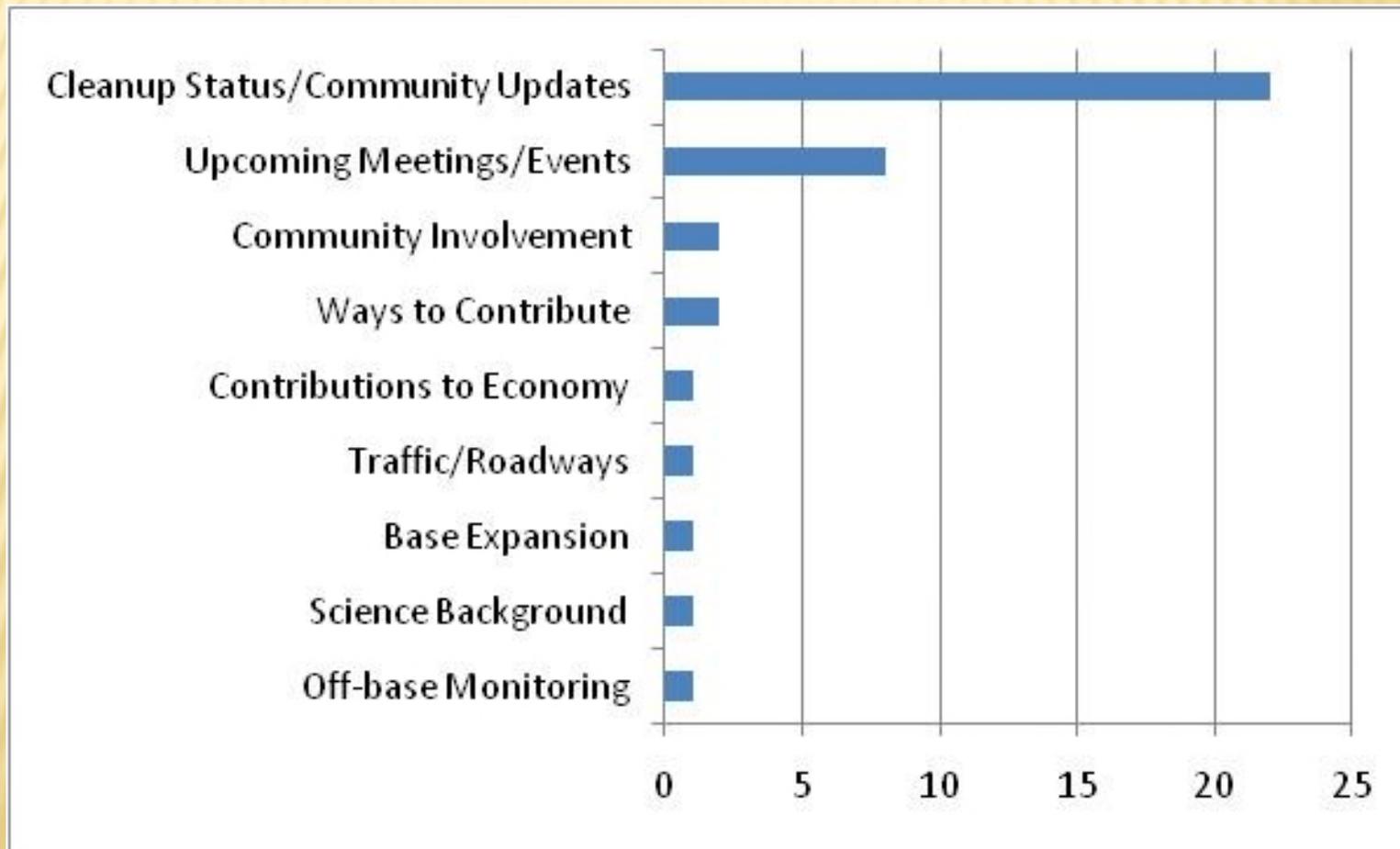
## SUMMARY OF COMMUNITY INTERVIEWS...

*Would like to receive more information on the environmental program at NCBC*



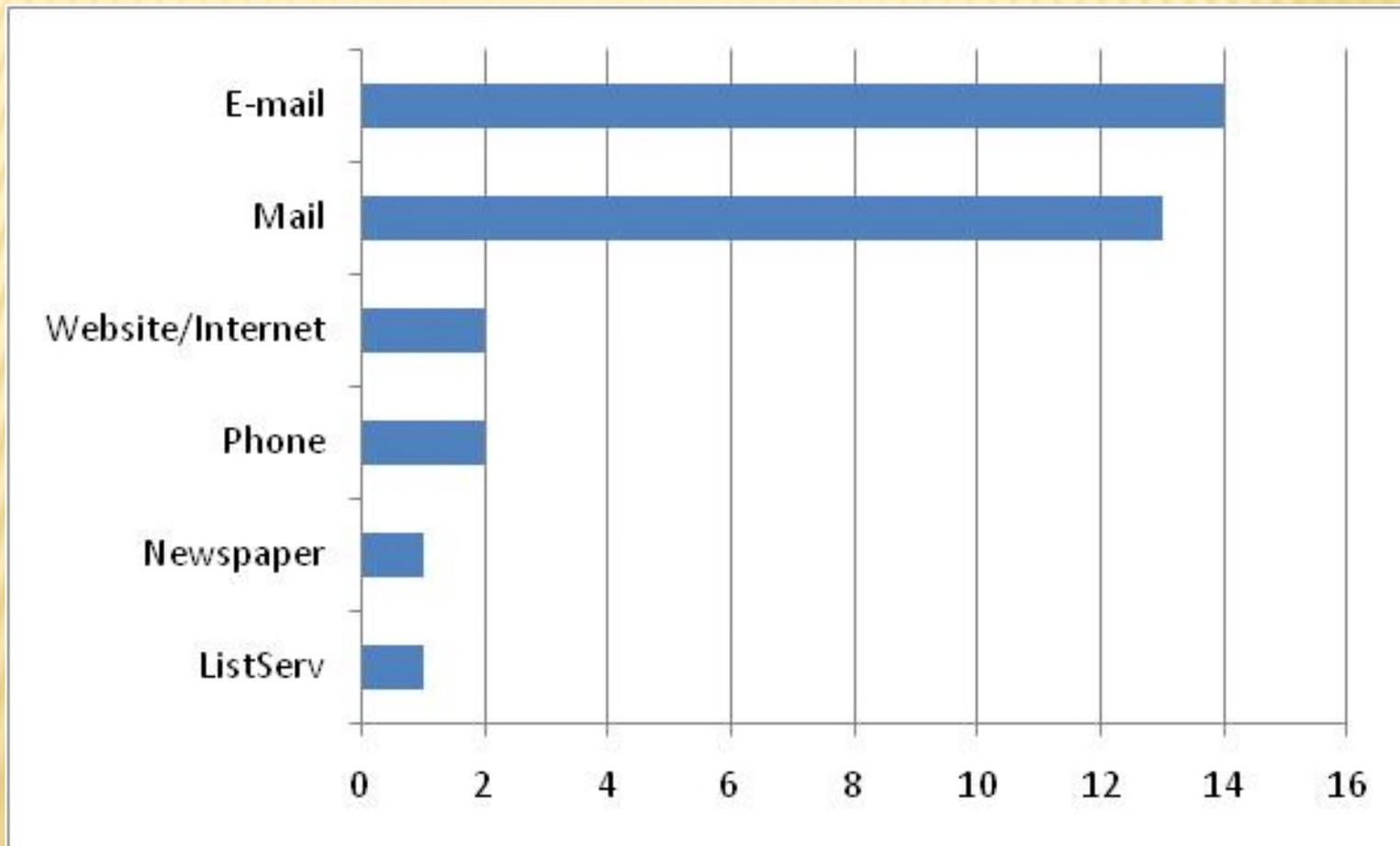
# SUMMARY OF COMMUNITY INTERVIEWS...

*Type of information that would like to be received*



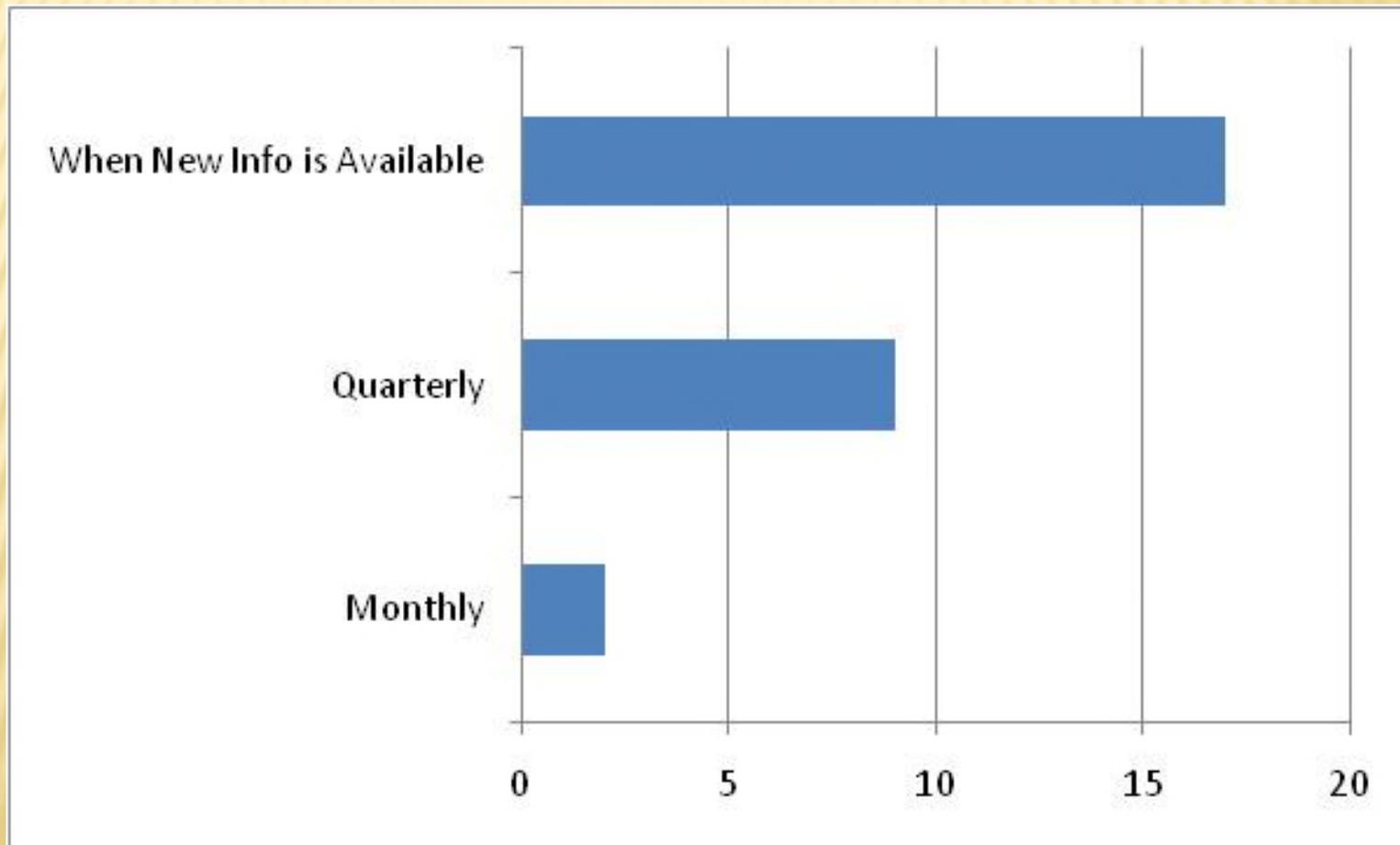
# SUMMARY OF COMMUNITY INTERVIEWS...

## *Preferred ways to receive information*



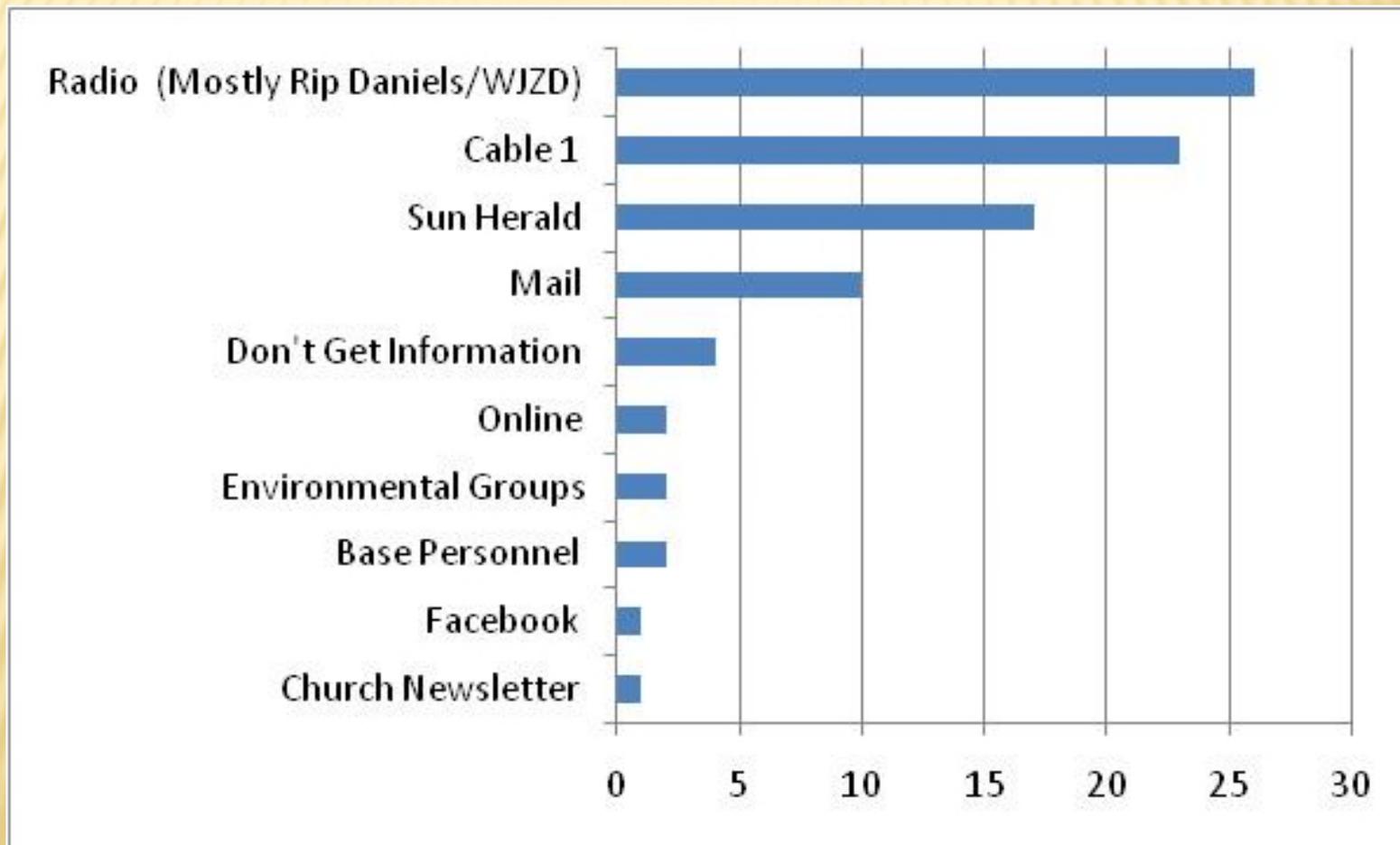
# SUMMARY OF COMMUNITY INTERVIEWS...

## *Frequency of receiving information*



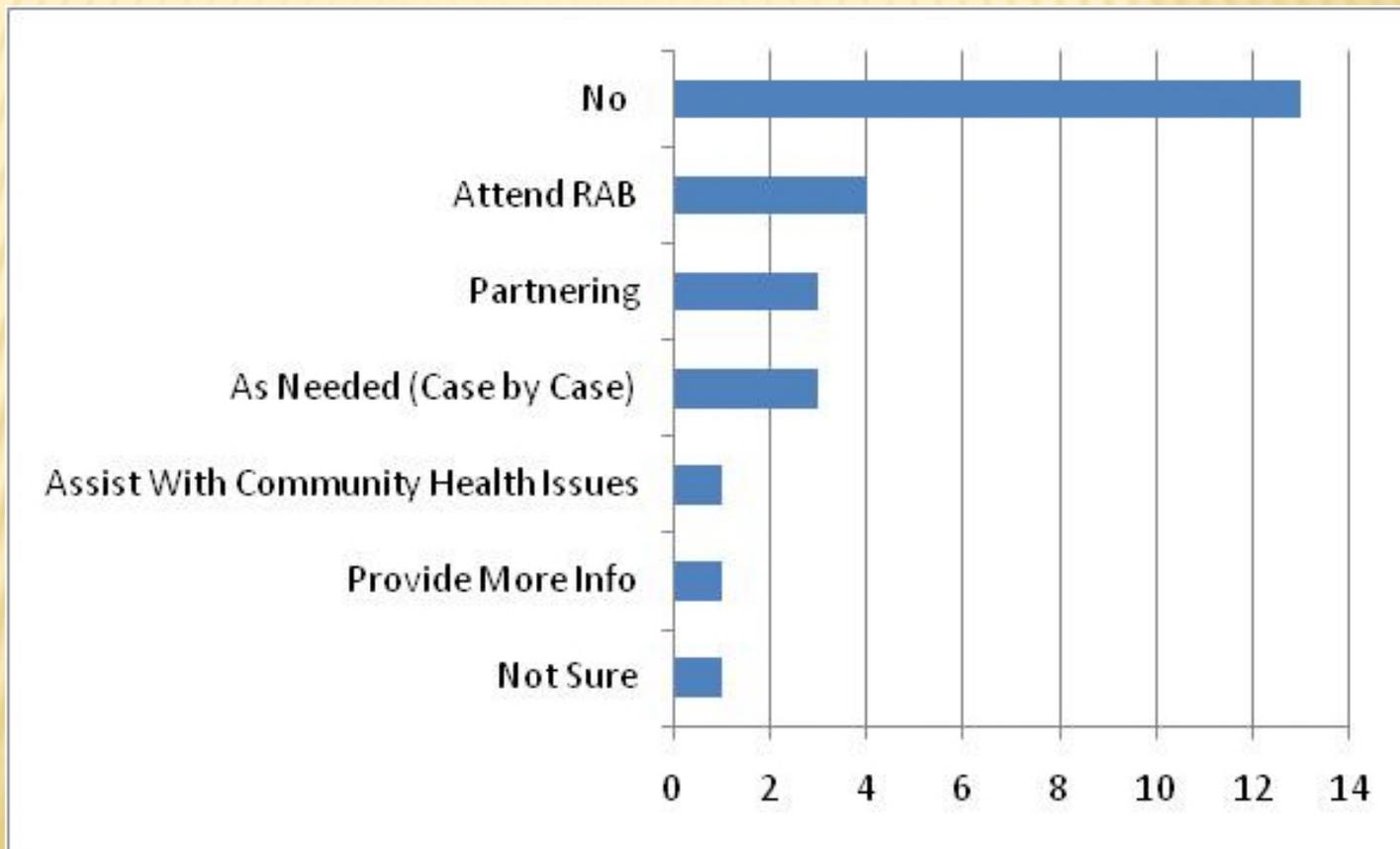
# SUMMARY OF COMMUNITY INTERVIEWS...

## *How information is currently received*



## SUMMARY OF COMMUNITY INTERVIEWS...

*Other ways to be involved in the process (besides just receiving information)*



# SUMMARY OF COMMUNITY INTERVIEWS...

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## *Additional comments or suggestions*

- ✘ Explore Partnership Opportunities
  - + Highway Development
  - + Traffic Issues
  - + Environmental Projects & Partnerships
- ✘ Provide health care specialist for the community
- ✘ Include RAB notices in:
  - + Utility bills
  - + Church bulletins
  - + Pizza boxes/fliers
  - + SMEACO list servers
  - + Banners at busy intersections (corner of Washington & Pass Road, Milner Stadium at 38th and 30th Streets)
  - + Other community websites (City of Gulfport & Gulfport School District)
  - + Other community locations (Job Centers; WIC Centers; Health Dept; Coastal Family Health Clinics; Food Stamp Offices; United Way; Grocery Stores; Gas Stations)

# SUMMARY OF COMMUNITY INTERVIEWS...

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## *Additional comments or suggestions (Continued)*

- ✘ Mail RAB fliers to:
  - + Civic leagues, churches, clubs
  - + Former residents
  - + Older residents that don't use the internet
- ✘ Important to work to revitalize RAB as it is the voice of our community
- ✘ RAB is not helpful to the community
  - + People are not interested
  - + Don't see environmental issues as a cause for concern
- ✘ NCBC has an overall positive influence in the community

# GENERAL OBSERVATIONS

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*1. Most people are familiar with the NCBC environmental restoration program and the RAB.*

- + ~63% responded positively
- + Most people have seen public notices
- + Most people want to continue to be involved
  - × Attend RAB
  - × Get periodic updates (esp. cleanup status & meeting notices)
  - × Would like even more information!
  - × Offered many ways to keep people informed and up-to-date

## EXAMPLES:

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- ✘ “Likes RAB forum as it engages people”
- ✘ “Knew of meetings, but did not attend”
- ✘ “Followed the program up until Katrina - not nearly as involved now”
- ✘ “Sees progress - has attended RABs in the past”
- ✘ “Previously attended meetings - found them to be technical and politically dominated by key personalities -but good job presenting information”
- ✘ “Believes Navy did an excellent job keeping the community informed”

## GENERAL OBSERVATIONS

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*2. A portion of the community feels environmental issues at NCBC may have affected the community.*

- + 15 out of 43 people (~ 1/3 of those polled)
- + Majority of responses referenced either cancer or agent orange
- + Remainder addressed (in descending order)
  - × Property values
  - × “other” health effects
  - × trust

## EXAMPLES:

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- ✘ “A lot of people have ailments (possibly related to agent orange exposure)”
- ✘ “Not sure everything was actually cleaned up”
- ✘ “Stated community is "irate" - people are suffering and Navy did not take proper precautions to protect them - believes there was a cover up”
- ✘ “Agent orange is a big issue for Turkey Creek community”

# GENERAL OBSERVATIONS

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*4. NCBC has a good Community Involvement Plan, but there is room for improvement.*

- + Provide detailed information regarding HO cleanup, verification sampling, and current status
- + Provide definitive guidance regarding legal limitations for health care assistance
- + Provide more information utilizing preferred sources
- + Pursue community partnerships where feasible
- + Continue to keep a finger on the community pulse, monitor feedback and assess effectiveness.

# KEY COMMUNITY CONCERNS

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Community concerns identified in CIP included:

1. Perception of lack of public knowledge/information regarding NCBC ERP
2. Perceived health effects (Site 8/HO)
3. Lack of trust
4. Environmental justice concerns
5. Perceived economic impacts
6. General lack of interest regarding the ERP