



# FINAL NAVAL AIR STATION ALAMEDA Restoration Advisory Board (RAB) Meeting Minutes

August 4, 2011

[www.bracpmo.navy.mil](http://www.bracpmo.navy.mil)

Building 1, Suite 140, Community Conference Center  
Alameda Point  
Alameda, California

The following participants attended the meeting:

## Co-Chairs:

Derek Robinson	Base Realignment and Closure (BRAC) Program Management Office (PMO) West, BRAC Environmental Coordinator (BEC), Navy Co-chair
George Humphreys	Restoration Advisory Board (RAB) Community Vice Co- chair

## Attendees:

### RAB Members

Richard Bangert	Carol Gottstein, M.D.	Bert Morgan
Kurt Peterson	Michael John Torrey	

### Community Members/ Public Attendees

Susan Galleymore	Gretchen Lipow	Ann Richter
Kathy Schumacher	Philip Tribuzio	

### Navy Members

Lora Battaglia	Navy Remedial Project Manager (RPM)
Bill McGinnis	Navy Lead RPM

### Regulatory Agencies

Melinda Dragone	U.S. Environmental Protection Agency (EPA)
James Fyfe	California Environmental Protection Agency Department of Toxic Substances Control (DTSC)
John West	San Francisco Bay Regional Water Quality Control Board (Regional Water Board)
Alec Naugle	Regional Water Board

### City of Alameda Representatives

Peter Russell	Russell Resources/ Alameda Reuse and Redevelopment Authority (ARRA)
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### Contractors

John McMillan	Shaw Environmental, Inc.
Betty Schmucker	Trevet Environmental Consultants
Tommie Jean Valmassy	Tetra Tech EM, Inc.

The meeting agenda is provided as [Attachment A](#).

## MEETING SUMMARY

### I. Welcome and Introductions

Derek Robinson (Navy Co-chair) called the August 2011 former Naval Air Station Alameda (Alameda Point) RAB meeting to order, welcomed all to the meeting and asked for introductions.

### II. Community and RAB Comment Period

Philip Tribuzio (community member) read a personal statement about the possibilities of redevelopment at Alameda Point. ([Attachment B-1](#)): He noted his ideas could be carried out with no cost to the City of Alameda (City) or the Navy. He appreciated the opportunity to speak out. George Humphreys (RAB Vice Community Co-chair) and Mr. Robinson thanked Mr. Tribuzio for his comments.

Mr. Humphreys asked for comments on the July 16, 2011, site tour of Alameda Point. Mr. Robinson noted the tour was scheduled for two hours but ran 2.5 hours. Mr. Humphreys showed an article published in the *Alameda Sun* with a picture of the tour group and an article on the cleanup process. Kurt Peterson (RAB member) said the author was on the tour and he thought she did a nice job on the article. Mr. Humphreys said the tour was good from a community relations standpoint; however, he would have liked some more technical points covered. Specifically, in Building 5 he would have liked the Navy to point out the underground piping

where radium contamination occurred, where plating shops and the foundry were, and where the Resource Conservation Recovery Act (RCRA) treatment facility was. Mr. Humphreys also said that at Site 1, the extent of Area B contamination could have been discussed more thoroughly. Mr. Humphreys said that during the tour Carol Gottstein (RAB member) had commented on the inspection of the bus tires for radioactivity at Sites 1 and 2. If radioactivity had been detected, it would be inappropriate to brush radioactive soil off the tires with a broom and onto the ground without a decontamination area, which would possibly expose the worker to radiation. Mr. Peterson said the tour was well done for the most part, but it could have been improved if at each site a presentation had been done with a bullhorn so everyone could hear, instead of one-on-one conversations with those who had questions. Mr. Peterson said Building 5 is a good example where one presentation should have been given and then everyone could break into smaller groups to ask questions.

Mr. Humphreys brought up an issue from the June 2, 2011, RAB meeting about the Site 1 plume presentation. He said the material was inconsistent with common sense. In the presentation, the plume was shown as very narrow and stopping at the sheet piling. That would indicate the presence of a gap in the wall. However, no gap exists and the plume does not line up with the gate, so either the gate is shown in the wrong location, is closed, or the treatment box is plugged up. According to the vertical section depicted in the presentation, the plume appears to dip down and under the wall. That indicates an absence of a gap in the wall and is inconsistent with a narrow plume. When excavating back from the shoreline for stabilization, there may be contamination encountered that could cause problems, either by being dumped back into the water or worker exposure. Mr. Robinson asked if Mr. Humphreys was requesting more samples in line with the plume but further out past the wall; Mr. Humphreys said yes, and that sampling should go out as far as necessary, perhaps 150 feet from wall. Mr. Robinson said he will pass the comment on to the Navy's contractor who is doing the work, and thanked Mr. Humphreys for his comment.

### **III. Co-Chair Announcements**

Mr. Humphreys announced that Dale Smith (RAB Community Co-chair) is unable to make the meeting and he is co-chairing in her absence. Daniel Hoy and Jim Leach also both informed him they are unable to attend.

Mr. Robinson announced that the Proposed Plan (PP) public meeting for Operable Unit (OU)-2A will be held on Wednesday, August 31, in Building 1. The PP meeting and comment period announcement will go out sometime around August 15. He explained that the regulators and Navy have a preferred remedy for OU-2A and it will be presented at a public meeting during the 30-day comment period. Mr. Humphreys said the PP is usually presented to the RAB before it is presented at the public meeting. Bill McGinnis (Navy Lead RPM) said the RAB had a presentation on the OU-2A preferred remedy at a prior RAB meeting. Mr. Robinson noted that the next RAB meeting is scheduled for September 1, the day after the PP meeting. He noted that RAB members can attend the August 31 PP meeting. Mr. Humphreys said attending the public meeting is good because verbal comments can be given there, rather than writing a comment

letter. Mr. Peterson suggested a short presentation on the OU-2A PP at the RAB meeting. The RAB members concurred with the abbreviated PP presentation at the September RAB meeting.

Mr. Robinson said that the RAB has asked for copies of the responses to comments (RTCs) addressing RAB comments on documents. He sent an electronic copy of the Navy's RTCs on documents relating to OU-2B, OU-2C, and the Five-Year Review to Ms. Smith and printed out three copies for the RAB meeting this evening. The RTCs are about 40 pages in length; if RAB members want an electronic copy, Ms. Smith can forward via e-mail. After all three hard copies were distributed Dr. Gottstein still needed one. Mr. Robinson will provide her with one.

#### **IV. IR Site 24 Remedial Design and Remedial Action Work Plan**

Mr. Robinson introduced Lora Battaglia (Navy RPM) to provide an update on the Draft Remedial Design/Remedial Action Work Plan (RD/RAWP) for Installation Restoration (IR) Site 24 ([Attachment B-2](#)). The Draft RD/RAWP was issued on July 22, is under 30-day review, and comments are due August 22. The purpose of the presentation is to present results of pre-design sampling, highlights of the Draft RD/RAWP, and the project schedule. The time frame is short and timely comments are anticipated so that the project can stay on its critical path forward. March 2012 is the deadline for the work to be completed because it is the start of the least tern nesting season. If dredging begins as scheduled in December, the work will finish before the least tern nesting season.

During the review of slide 4, Mr. Peterson asked about the cadmium concentrations and why they were reported higher in the results of earlier sampling but not now. Ms. Battaglia said the previous sample locations reported elevated cadmium levels in sediments; this time the water above the sediments was sampled. The cadmium-containing sediments are still there but the water is not impacted.

During the review of slide 5, Ms. Battaglia said a bathymetric survey (seafloor mapping) was conducted as part of the pre-design to establish baseline sediment elevations. Color-coded depth elevations are shown on slide 6. Mr. Humphreys asked what the white areas are. Ms. Battaglia said those represent areas where readings were unavailable, so no data were obtained in those spots. Mr. Humphreys asked about rip-rap and jagged light-colored areas extending out from the shoreline. Ms. Battaglia said those are also areas where little elevation data could be obtained as they were quite shallow and hard to access. Mr. Humphreys asked about the 17 locations where sampling could not reach 6 feet deep. Ms. Battaglia said the areas are varied, are generally in open waters, and have to do with the tougher Merritt Sands. A figure in the Draft RD/RAWP shows the depths of each sample location. The baseline sediment elevation will be used throughout the remediation and a post-remedy confirmation survey will be conducted.

Ms. Battaglia said a wharf stability evaluation was conducted to assess wharf stability and the need for backfill following remediation. The purpose is to make sure nothing gets dredged that could destabilize the wharf. This report is pending completion of the dredge design and will be submitted separately from the Draft RD/RAWP. It will be presented to the BRAC Cleanup Team (BCT) at the August 16 meeting.

Mr. Humphreys asked how deep the dredging will be done. Ms. Battaglia said to 7 feet but this will vary by location. Ms. Battaglia said details on the dredge design are included in Appendix C of the Draft RD/RAWP. On slide 8 she showed a figure with proposed sampling locations, step-out locations, confirmation sampling locations, and dredging limits. Thirty-two locations will include bottom and side-wall confirmation samples. Part 2 of the Draft RD/RAWP is the RA portion, which provides the process for implementing full design and a variety of required plans.

After reviewing the schedule on slide 10, Ms. Battaglia opened the floor to further questions.

Michael John Torrey (RAB member) asked about the composition of the fieldwork. Ms. Battaglia said it is the dredging in open waters and under the wharf, and dewatering. Richard Bangert (RAB member) asked about the contamination sources at IR Site 24. Ms. Battaglia said two particular storm water outfalls from adjacent buildings are the source. Mr. Bangert noted that a rectangle shows on the bathymetric survey slide (slide 6) and asked what the object is. Ms. Battaglia said the anomaly recently showed up in the bathymetric survey. It is in the process of being investigated further so that appropriate action can be planned to avoid delay during fieldwork. Mr. Humphreys said according to the figure on slide 8 it looks like the anomaly is in an area that will not be dredged. Ms. Battaglia said design mapping shows the anomaly is in the dredge area. Dr. Gottstein asked if the anomaly is unexploded ordnance. Mr. McGinnis said it appears to be a structure, but protective measures will be put in place during examination.

Gretchen Lipow (community member) asked what road runs along the shoreline; Ms. Battaglia said it is Wharf Road, one of the roads on the way to the *USS Hornet*. Mr. McGinnis said the water extends about 50 feet underneath the Wharf Road which is on pilings. The pilings are shown in the bathymetry data. Ms. Lipow asked if testing is possible under the road; Mr. McGinnis said yes.

Richard Bangert (RAB member) noted that a clamshell scoop was used at IR Site 17 and found to be ineffective there, so a backhoe-type scoop was used instead. Ms. Battaglia said the sediments at IR Site 24 are different and the clamshell scoop should work well; if not, however, the Navy contractor is prepared to move to the other type of scoop. Mr. McGinnis said the clamshell used at IR Site 17 was grabbing water instead of sand. At IR Site 24 it should be able to grab the sand. Mr. Bangert asked if the same dredging company used at IR Site 17 will be used at Site 24. Ms. Battaglia said this time Tetra Tech is the prime contractor. Mr. Peterson asked where the two major drain outfalls are and how big they are. Ms. Battaglia showed the locations (near sample locations IR24-BS-23, IR24-BS-24, and IR24-BS-25 on slide 8) and said the drains are standard-sized storm-water discharge pipes. The outfalls are well underneath the roadway.

Susan Galleymore (community member) asked what the water comes up against, whether it is a wall or rip rap, and if the Draft RD/RAWP will be in the information repository upstairs. Ms. Battaglia said the water comes up into a wall. She also said the document will be in the information repository after this meeting. Ann Richter (community member) asked if present and future tidal changes on wharf stability have been considered. Ms. Battaglia said the wharf

stability evaluation considers tidal changes, but she is not sure how far into the future tidal changes are evaluated.

Mr. Humphreys presented several questions provided to him from Ms. Smith, who could not attend. Ms. Smith had asked if there will be a silt curtain to prevent sediment from moving into the bay. Ms. Battaglia said yes, a turbidity curtain will surround the dredging area and turbidity will be monitored within and outside the curtain; thus, sediment will be contained and monitored. Mr. Humphreys said that during Navy work in the northeast corner of Seaplane Lagoon there was a problem with oil sheen on the water, which required emergency oil remediation. He asked if the Navy has considered this, so an emergency response will not be necessary again. Ms. Battaglia said yes, the quality and storm water plans included in the RAWP portion of the Draft RD/RAWP address this. Mr. McGinnis added that supplies will be on site and workers will be prepared to respond as needed, for example, by using an oil containment boom.

Ms. Smith had asked if the turbidity curtain will have a gap to allow tidal flow in and out, and if it goes all the way to the sediment. She also asked how such a volume of water can get in and out without collapsing the curtain. Ms. Battaglia said yes, the curtain is weighted and goes all the way to the bottom, and that the volume and area at Seaplane Lagoon is much greater than at IR Site 24, so more flexibility is possible at this site. Dr. Gottstein asked what material the curtain is made of; Ms. Battaglia said she does not know the details, and Mr. McGinnis said the specifications are included in an appendix of the Draft RD/RAWP.

Mr. Peterson asked if the storm drains have been cleaned out all the way up so any continuing source is eliminated. Ms. Battaglia said yes, the storm drains have been cleaned. Mr. Peterson asked how far out the drains extend into the water. Ms. Battaglia said the drains stop well under Wharf Road. Mr. McGinnis said the storm drains are still functioning but have been cleaned of contaminants so there is no continuing source into the water. Mr. Peterson requested the Navy provide additional detail regarding sediment deposition from the storm water outfalls.

## **V. BCT Update**

Mr. Robinson introduced Jim Fyfe (DTSC) who provided the BCT Update ([Attachment B-3](#)). Mr. Fyfe reviewed the topics and discussions from the June and July BCT meetings.

Mr. Fyfe noted that RAB members have expressed interest in an update on the Alameda Point petroleum program, although it is not part of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA), so he provided a brief update. There is a proposal for a data gap investigation at 55 petroleum locations, including aboveground storage tanks, underground storage tanks, oil-water separators, pipelines, and sumps. Twelve pipelines will be sampled for closure and 100 petroleum sites are candidates for closure. Mr. Fyfe said the Regional Water Quality Control Board is the lead agency for the petroleum program, so specific questions can be directed to John West (Regional Water Board).

Mr. Peterson suggested explaining to the RAB what the BCT is. Mr. Fyfe said BCT stands for “Base Realignment and Closure [BRAC] Cleanup Team” and Navy RPMs and BEC, EPA, DTSC, and Water Board meet once a month to discuss technical issues. Regulatory BCT

members are responsible for reviewing all the Navy's documents and making comments. He added that the BCT members want to make sure they are hearing what the RAB is asking for in the way of updates.

Dr. Gottstein asked to see the BCT meeting minutes. Mr. Robinson replied that the RAB and BCT meetings have different goals. The RAB's purpose is to provide public input, and the BCT's purpose is to insure that laws, applicable or relevant and appropriate requirements (ARARs), and CERCLA requirements are being met, and that the Navy and agencies are on the "same page." He added that the technical information discussed at the BCT meetings is included in the technical documents that are available for RAB and public review. Mr. Robinson noted that the Navy and agencies do not always agree, and that the BCT can serve as the forum and process for coming to an agreement. He noted that the BCT discussion often includes attorneys and technical reviewers.

Mr. Humphreys said that in the past he was told he could not attend BCT meetings. Mr. Peterson said regulators are all public entities and he does not understand the privacy issue. Ms. Galleymore said she was interested in the presentation Peter Russell (ARRA) reportedly gave at the BCT meeting. Dr. Russell responded that the presentation has a limited release because of the competitive selection process for the work being discussed. His presentation discussed things competitors do not know. The BCT members were asked not to divulge information and his remarks were not included in the BCT meeting minutes. Nothing discussed was considered "secret" except in the context of competitive selection.

Ms. Richter asked if any of the petroleum sites discussed earlier are within the least tern nesting area. Mr. West replied that petroleum sites previously located in the least tern area have been closed out. Some fuel lines occur closer to Hangar 1, but not near the tern areas.

Mr. Bangert encouraged more frequent petroleum program updates. He acknowledged this topic falls outside of the RAB forum, but there is no other forum for the Alameda community. The status of what's underground (tanks, piping, etc.) is of concern to local citizens. Mr. Robinson asked if the RAB wants a yearly update on the petroleum program and suggested an October or November meeting update. This was added to the list of future meeting topics.

## **VI. Approval of June 2, 2011, RAB Meeting Minutes**

Mr. Humphreys asked for comments on the June 2, 2011, RAB meeting minutes. Dr. Gottstein provided the following comments:

- Page 5, first paragraph: The monitoring well is "MW0-28B," and on page 7 there is a monitoring well called "MW0-28." Please clarify if these are the same wells. Mr. Robinson will check with Ms. Sabedra, the presenter.
- Page 7, third paragraph: "Ms. Smith asked if the soil remedy will also include anchoring the slope to prevent slumping in the event of a credible earthquake." Dr. Gottstein was unsure whether Ms. Smith actually said "credible earthquake." Tommie Jean Valmassy (Tetra Tech) said she will contact Ms. Smith to clarify that comment.

Mr. Humphreys provided the following comments:

- Attachments were listed but not included with the Draft RAB Meeting Minutes; please provide. [These will be distributed with the next RAB mailer.]
- Page 5, fourth paragraph, it says “Ms. Sabedra said the three oxidants tested were: ...” However, on the slide in her presentation only one oxidant is listed. Please clarify if the other two oxidants were added later for completeness. Mr. Robinson will check with Ms. Sabedra, the presenter.
- Page 7, second paragraph, change: “Mr. Humphreys said the plume ends at the funnel-and-gate system;...” to “Mr. Humphreys said the plume *is shown ending* at the funnel-and-gate system;...”

Mr. Humphreys noted that Ms. Smith said her comments on the Site 1 groundwater document will be late.

Mr. Bangert asked if any test results were available yet on the dredged sediments from IR Site 17. Mr. McGinnis explained that the sediments are handled in a sequential process. Sediment is dried and then radiologically scanned in small batches. Thus far, radiological scanning has not found significant radiation; two to three button-sized pieces of material were removed and disposed of as low-level radiological waste with no exposure to workers or the public. The first batches of sediment that have been scanned and released as non-radiologically impacted have been sampled for chemical contamination and results are pending. The sediment is being processed from the drying pads to the scanning pads, but no sediment has been removed from the Site 17 area yet.

Mr. Torrey moved that approval of the minutes be tabled until Ms. Smith’s comment could be clarified and incorporated, and Dr. Gottstein seconded the motion. The motion passed with two in favor and one opposed (with two abstentions).

Ms. Smith provided the following comments on the June minutes via e-mail on August 9:

- Page 3, fourth paragraph, change: “Ms. Smith presented two comment letters regarding the Second Revised Draft, Operable Unit (OU)-2B Feasibility Study, one on behalf of the RAB and the other submitted by Ms. Konrad” to “Ms. Smith presented *one* comment letter regarding Second Revised Draft, Operable Unit (OU)-2B Feasibility Study on behalf of the RAB. *Ms. Konrad submitted a comment letter of her own.*”
- Page 5, top of the page, change: “Ms. Smith asked if the funnel-and-gate system needs to be replaced, based on information that such a system should be changed every seven years...” to “Ms. Smith asked if the funnel-and-gate *media* needs to be replaced, based on information that such a system should be *refreshed* every seven years...”
- Page 7, third paragraph: “Ms. Smith asked if the soil remedy will also include anchoring the slope to prevent slumping in the event of a credible earthquake.” Add the word “*maximum*” before “*credible*.”

## VII. Review Action Items

The status of previous action items was reviewed and is provided in the updated table below. New items raised at the RAB meeting are included. Items grayed out have been completed at or since the June RAB meeting.

<b>Action Items:</b>	<b>Previous Item #/ Action Item Status/ Action Item Due Date:</b>	<b>Initiated by:</b>	<b>Responsible Person:</b>
<p>1. Request for Presentations:</p> <ul style="list-style-type: none"> <li>a. Site 25 Plume Status Tracking</li> <li>b. OU-2C, Building 5/5A Demolition Costs and Feasibility</li> <li>c. Petroleum program update</li> </ul> <p>Postponed Presentations (pending further action or information prior to scheduling the presentation):</p> <ul style="list-style-type: none"> <li>1. Site 1 Radiological RD/RA Work Plan</li> </ul>	<p>a./Pending/2011</p> <p>b./Complete; included in the back of the OU-2C FS</p>	<p>RAB</p>	<p>Mr. Robinson</p>
<p>2. Daniel Hoy will provide the Alameda Unified School District Facilities Manager contact information to the Navy so they can be invited to upcoming RAB meetings</p>	<p>Complete</p>	<p>Mr. Hoy</p>	<p>Mr. Hoy</p>
<p>3. Navy will provide written responses to RAB members on comments submitted for the OU-2B Feasibility Study Report</p>	<p>Complete; additional hard copy to be provided to Dr. Gottstein</p>	<p>Ms. Smith</p>	<p>Mr. Robinson</p>
<p>4. Mr. West will contact Jeff Knoth to determine if he would like to continue being on the RAB, or can suggest a replacement from the AUSD.</p>	<p>Complete</p>	<p>Mr. Humphreys</p>	<p>Mr. West</p>
<p>5. Navy will have their contractor prepare a map showing concentrations used to draw the plume boundaries and a map showing all sample locations and their concentrations (Site 1).</p>	<p>Complete</p>	<p>Dr. Gottstein</p>	<p>Mr. Robinson</p>

<b>Action Items:</b>	<b>Previous Item #/ Action Item Status/ Action Item Due Date:</b>	<b>Initiated by:</b>	<b>Responsible Person:</b>
6. Mr. Robinson will ask the Radiological Affairs Support Office (RASO) for any additional documentation regarding potential radiological material coming on base by rail shipment and provide an update to the RAB.	Complete	Ms. Smith	Mr. Robinson
7. Clarify the monitoring well numbering system for IR Site 1 from the June 2, 2011, RAB meeting minutes	New/September 1, 2011	Dr. Gottstein	Mr. Robinson
8. Finalize June RAB Meeting minutes at next RAB meeting, pending resolution of comment from Ms. Smith	New/September 1, 2011	RAB	RAB (Ms. Valmassey to contact Ms. Smith)
9. Provide attachments to June 2, 2011, RAB Meeting Minutes	New/September 1, 2011	RAB	Navy Contractor
10. Find out if the Alameda historical radiological assessment is available on line or hard copy	New/September 1, 2011	Dr. Gottstein	Mr. Robinson

Item 6: Mr. Robinson said he contacted RASO in response to the action item from Ms. Smith. He reported that RASO has no documents about historical shipments of radiological materials to Alameda. However, an older historical radiological assessment was done for Alameda. Dr. Gottstein asked for a link to the web site if the document is available online, or if the document is available in hard copy if it is in the information repository upstairs in Building 1. Mr. Robinson said he will check to see if it is available either on line or in hard copy.

The meeting was adjourned at 8:15 PM. The next RAB meeting will be held at 6:30 pm on Thursday, September 1, 2011, at 950 West Mall Square, Alameda.

## **ATTACHMENTS**

### **NAVAL AIR STATION ALAMEDA RESTORATION ADVISORY BOARD MEETING ATTACHMENTS**

- A Naval Air Station Alameda Restoration Advisory Board Meeting Agenda, August 4, 2011, (1 page)
- B-1 Statement from Mr. Philip Tribuzio on Alameda Point Reuse (1 page)
- B-2 Installation Restoration Site 24 Remedial Design/Remedial Action (11 slides)
- B-3 BCT Update (1 page)

# ***RESTORATION ADVISORY BOARD***

***NAVAL AIR STATION, ALAMEDA***

## ***AGENDA***

**AUGUST 4, 2011, 6:30 PM**

**ALAMEDA POINT – BUILDING 1 – SUITE 140**

**COMMUNITY CONFERENCE ROOM**

(FROM PARKING LOT ON W. MIDWAY AVE., ENTER THROUGH MIDDLE WING)

<b><u>TIME</u></b>	<b><u>SUBJECT</u></b>	<b><u>PRESENTER</u></b>
<b>6:30 – 6:35</b>	<b>Welcome and Introductions</b>	<b>Community and RAB</b>
<b>6:35 – 6:50</b>	<b>Community and RAB Comment Period*</b>	<b>Community and RAB</b>
<b>6:50 – 7:05</b>	<b>Co-Chair Announcements</b>	<b>Co-Chairs</b>
<b>7:05 – 8:05</b>	<b>Site 24 Remedial Design and Remedial Action Work Plan</b>	<b>Lora Battaglia</b>
<b>8:05 – 8:15</b>	<b>BCT Update</b>	
<b>8:15 – 8:30</b>	<b>Approval of Minutes Review Action Items</b>	<b>Dale Smith</b>
<b>8:30</b>	<b>RAB Meeting Adjournment</b>	

\* If there is time at the end of the agenda, additional comments will be taken.

Members of RAB;

my name is Philip Tribuzio A home owner.  
I'm submitting a profitable idea for your approval.

The city of Alameda already has a plan for a path  
around the point.

In addition to a wonderful view across the bay,  
People on a long walk could rest and be refreshed  
from their back pack with a hiker's picnic.

Family picnic's were popular during the great  
depression. People used to travel to distant country  
picnic grounds.

The modern form of picnic is tailgating when there is  
a place to gather.

Alameda Point is Ideal.

Alameda's Park department would profit from a  
vehicle parking fee from the opening day.

Various objections can be easily overcome because  
no facilities or infrastructure are needed.



**Welcome**



**Remedial Design/Remedial Action (RD/RA)  
Installation Restoration Site 24  
Alameda Point, CA**

**Lora Battaglia  
Navy PM**

**RAB Meeting  
August 4, 2011**

**Attachment B-2  
(11 slides)**



# Purpose

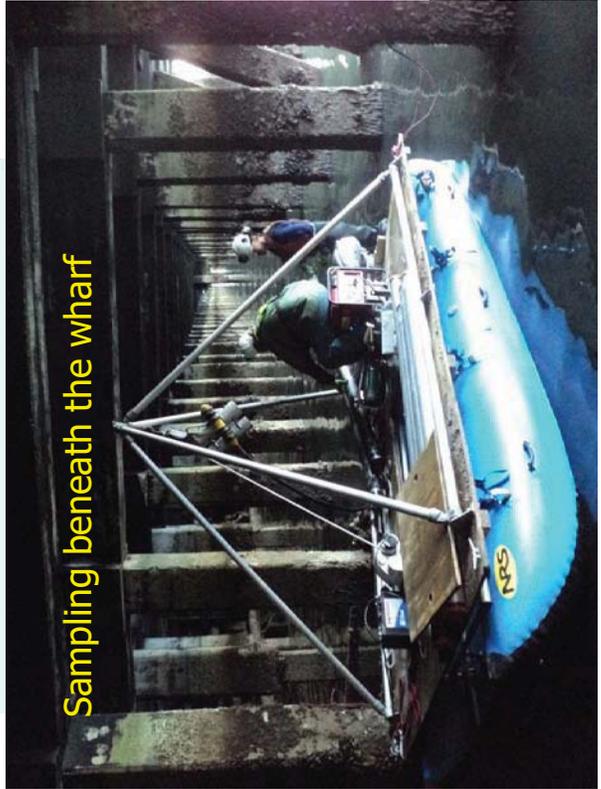


- Results of Pre-Design Sampling
- Highlights of Remedial Design (RD) and Remedial Action Work Plan (RAWP)
- Schedule for the IR Site 24 RD/RA

Allowing timely progression towards critical milestones and successful project implementation beginning in December 2011.



# IR Site 24





## Pre-Design



### Sediment Sampling Results (Section 4.0/Appendix A & B)

- 209 samples from 40 locations to 6 ft bms
- 92 samples exceed RGs in 34 locations (Fig. 4-2)
- COCs at depth (6') in 23 locations

### Water Sampling for Cadmium

- 8 samples collected
- All below EPA Criterion

### Additional Sediment Testing

- Water treatment will be required



## Pre-Design



### Bathymetric Survey (Appendix B)

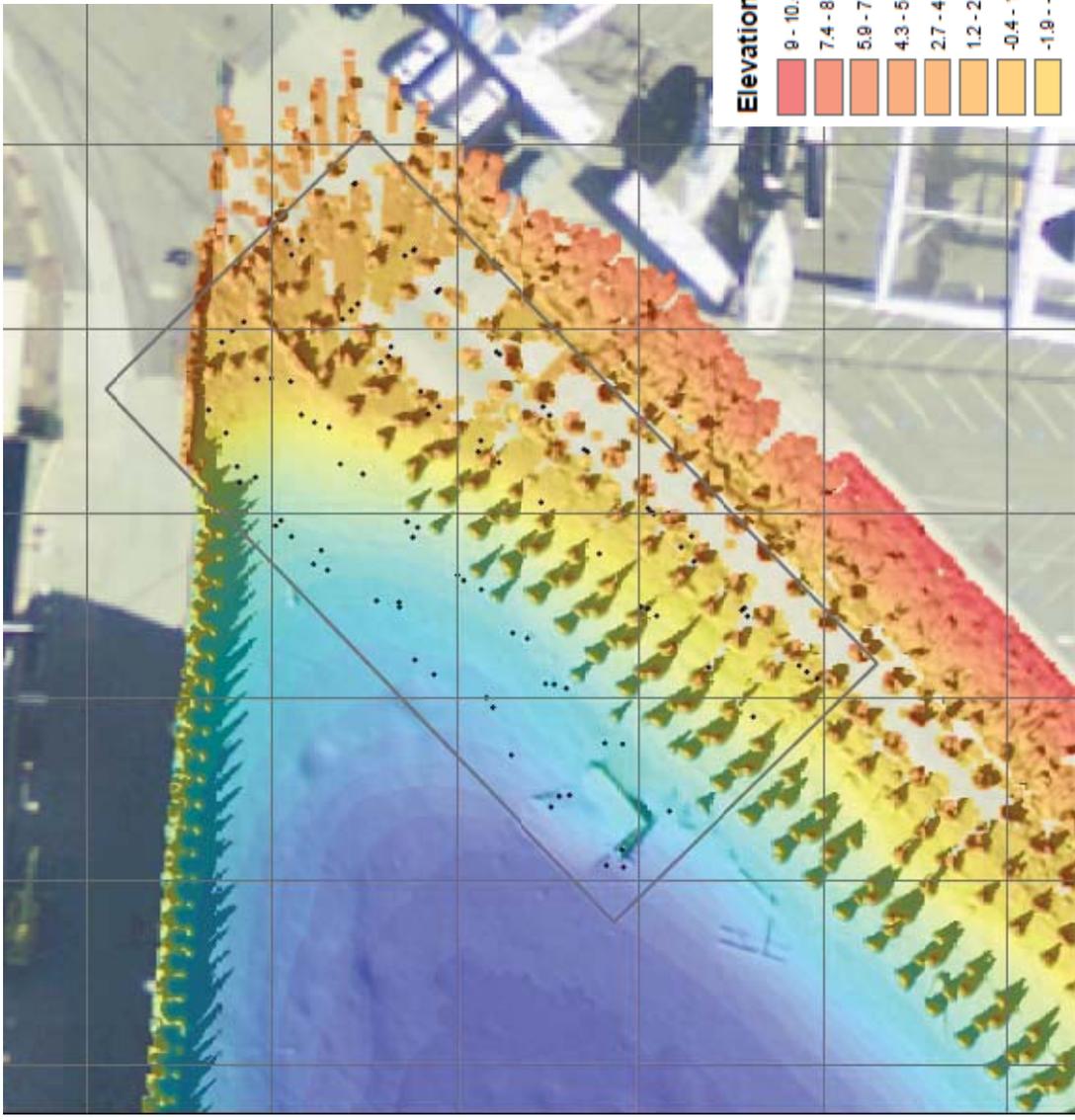
- Establishes baseline sediment elevations
- Used throughout RA to verify completion

### Wharf Stability Evaluation (Separate Submission)

- To assess wharf stability and need for backfill
- Report pending completion of analysis



# Bathymetric Survey



Elevation (Feet)

9 - 10.4	-3.6 - -2	-15.9 - -14.5	-28.4 - -26.9
7.4 - 8.9	-5 - -3.6	-17.5 - -16	-30 - -28.5
5.9 - 7.3	-6.8 - -5.1	-19.1 - -17.6	-31.5 - -30.1
4.3 - 5.8	-8.2 - -6.7	-20.6 - -19.2	-33.1 - -31.6
2.7 - 4.2	-9.7 - -8.3	-22.2 - -20.7	-34.6 - -33.2
1.2 - 2.6	-11.3 - -9.8	-23.7 - -22.3	-36.2 - -34.7
-0.4 - 1.1	-12.8 - -11.4	-25.3 - -23.8	-37.8 - -36.3
-1.9 - -0.5	-14.4 - -12.9	-26.8 - -25.4	-39.4 - -37.9



# Remedial Design (RD)



(Section 5.0/Appendix C, D & E)

Open water: Barge-mounted mechanical dredge  
with clamshell bucket

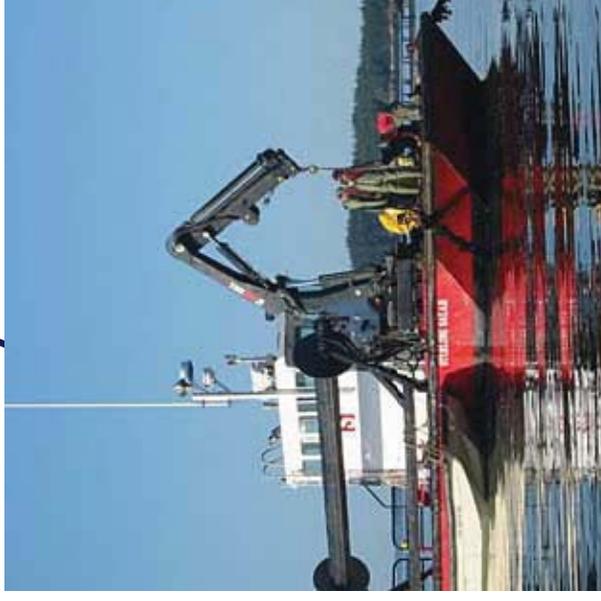
Beneath the wharf: Hydraulic dredging

Dewatering pad and water treatment system

Dredge Design (Appendix C)

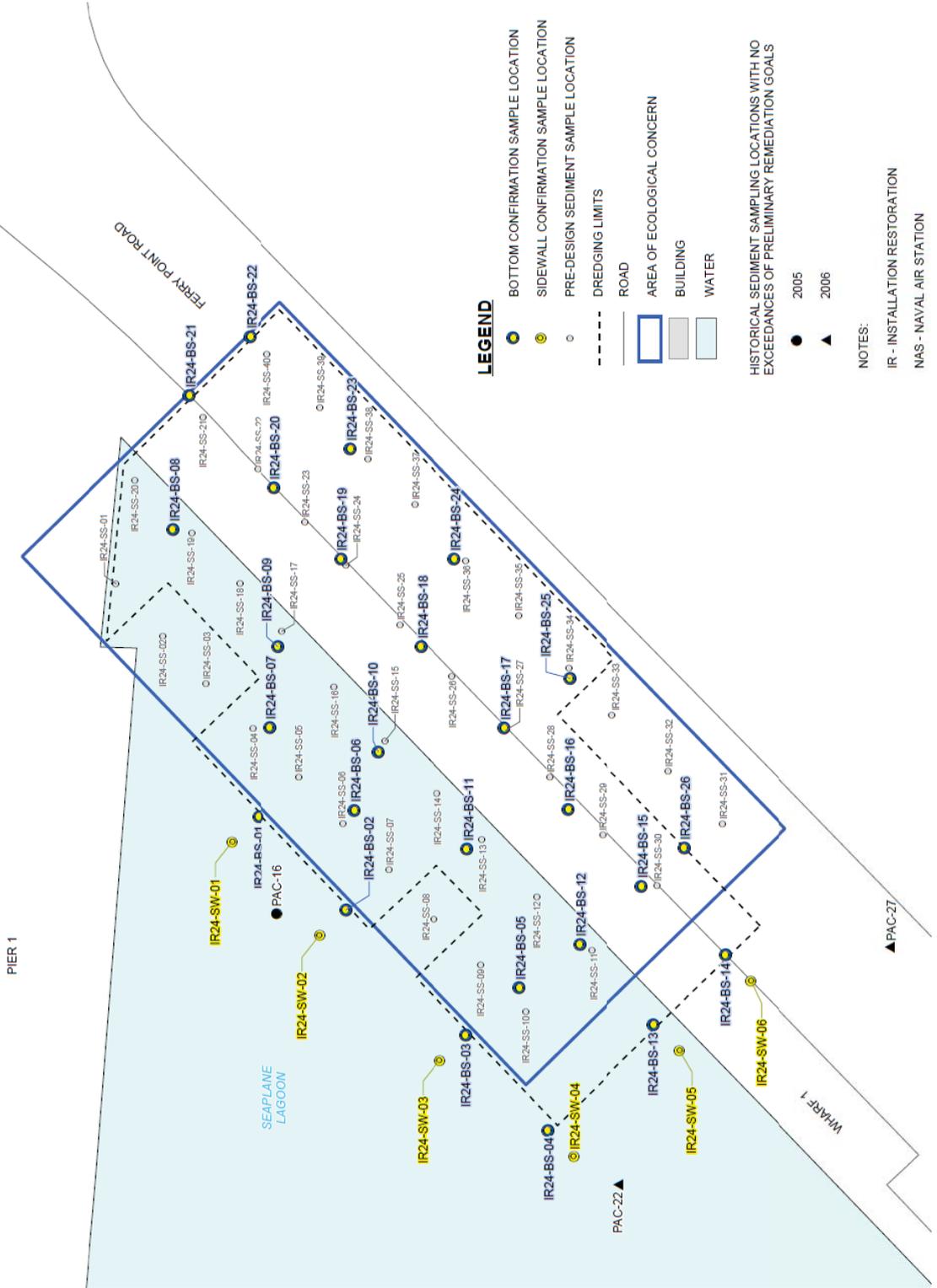
- Sample depth
- Contamination depth
- Dredge depth

Backfill (if necessary)





# Remedial Action



## LEGEND

- BOTTOM CONFIRMATION SAMPLE LOCATION
- SIDEWALL CONFIRMATION SAMPLE LOCATION
- PRE-DESIGN SEDIMENT SAMPLE LOCATION
- - - DREDGING LIMITS
- ROAD
- ▭ AREA OF ECOLOGICAL CONCERN
- ▭ BUILDING
- ▭ WATER

HISTORICAL SEDIMENT SAMPLING LOCATIONS WITH NO EXCEEDANCES OF PRELIMINARY REMEDIATION GOALS

- 2005
- ▲ 2006

## NOTES:

- IR - INSTALLATION RESTORATION
- NAS - NAVAL AIR STATION



## Remedial Action Work Plan (RAWP)



### Remedial Action Work Plan (Part 2)

- Provides procedures for implementation
- Includes
  - Sampling and Analysis Plan (SAP)
  - Project Contractor Quality Control Plan (PCQCP)
  - Best Management Practices (BMP)
  - Stormwater Pollution Prevention Plan (SWPPP)
  - Waste Management & Transportation and Disposal Plan (WMT&DP)



# Schedule



- Draft Design Work Plan submitted July 22
- Wharf Stability Evaluation results August 16
- **Comments due back by August 22**
- Draft Final to Agencies Nov 5
- Begin fieldwork December 15
  - ~71 days



**Thank You!**



**QUESTIONS?**

BCT Update

Alameda Point RAB Meeting

8/4/2011

6/21/2011 BCT Meeting

2012 Site Management Plan

Potential Lawrence Berkeley National Laboratory Second Campus Construction at Alameda Point

RAB discussion

Miscellaneous topics

- Five-Year CERCLA Review
- Lead numbers
- OU-2B data set request
- Update on IR Site 32 munitions and explosives of concern (MEC)
- Recent and upcoming deliverables

7/19/2011 BCT Meeting

OU-2C Feasibility Study Addendum

OU-2B Plume 4-1 Treatability Study

Tour Debrief

Miscellaneous Topics

- discussion on Look-Ahead Report
- August RAB meeting BCT Update

Petroleum Program Update

Though not part of CERCLA, some RAB members had requested an update of the Petroleum Program