



TETRA TECH EM INC.

July 1, 2010

Dear RAB Members,

On behalf of the Navy, enclosed please find the October 7, 2009 final RAB meeting minutes for your information and records.

If there are any questions regarding the enclosed minutes, please contact Carolyn Hunter at (510) 302-6297 or [Carolyn.hunter@tetratech.com](mailto:Carolyn.hunter@tetratech.com).

Sincerely,

Carolyn Hunter  
Community Relations Specialist  
Tetra Tech EMI

**FINAL**  
**MEETING MINUTES**  
**RESTORATION ADVISORY BOARD**  
**INLAND AREA ENVIRONMENTAL RESTORATION PROGRAM**  
**FORMER NAVAL WEAPONS STATION SEAL BEACH DETACHMENT CONCORD**  
**CONCORD, CALIFORNIA**  
**OCTOBER 7, 2009**

These minutes reflect general issues raised, agreements reached, and action items identified at the Restoration Advisory Board (RAB) meeting for the Inland Area Environmental Restoration (ER) Program at the Former Naval Weapons Station Seal Beach Detachment Concord (NAVWPNSTA Concord), California. The meeting was held from 6:00 p.m. to 7:45 p.m. on October 7, 2009, at the Concord Police Station in Concord, California. Agreements and action items are described by topic under Sections I through VI and are summarized in Section VII. A list of participants and their affiliations is included as Attachment A, and the meeting agenda is included as Attachment B. Handouts at the meeting also are included as attachments to these minutes.

**I. WELCOME, INTRODUCTIONS, PUBLIC COMMENT, AND AGENDA APPROVAL**

**Welcome and Introductions**

The RAB Community Co-Chair, Mary Lou Williams (Concord resident), called the RAB meeting to order and initiated a round of introductions for attendees.

**Public Comments**

Ms. Williams opened the floor to public comments. No comments were received.

**II. AUGUST 2009 RAB MEETING MINUTES APPROVAL**

Ms. Williams asked the RAB for comments on minutes from the RAB meeting held on August 5, 2009. Ms. Williams requested additional time to review the minutes from the RAB meeting held on August 5, 2009. Once Ms. Williams reviews the August 5, 2009, RAB meeting minutes, the Navy will finalize them.

**Action Item**

1. The Navy will finalize and distribute the RAB meeting minutes for August 5, 2009.

**III. RAB ANNOUNCEMENTS**

Ms. Williams and Kathy Stewart (Navy Co-Chair) opened the floor to RAB announcements. Ms. Stewart said the Navy is conducting an asbestos and railcar removal from the Inland Area. The Navy will be removing asbestos from 240 railcars. The railcars will be dismantled and

disposed of off base at a recycling center. An estimated 10 trucks a day will be hauling dismantled railcars off the base during this removal action. Beth Byrne (Concord resident) asked why the Navy is not using the railroad tracks to remove the railcars. Edi Birsan (Concord resident) said that there are transportation guidelines for using the railways. Since the railcars have been on the site for an extended period, they are not fit to travel the railroad tracks.

Mr. Birsan said he will be meeting with two neighborhood groups to discuss the Draft Historical Radiological Assessment (HRA).

Igor Skaredoff (Martinez resident) said that he distributed the historical aerial review flier to many community members, so additional residents may be attending the end of the RAB meeting to provide the Navy with feedback on the aerial photographs.

### **RAB Open Comment Period**

Ms. Williams opened the RAB comment period. No comments were provided by the RAB members.

## **IV. REDIAL PROJECT MANAGERS (RPM) UPDATE**

### **Navy Update**

Charles Perry (Navy Lead RPM) went over the Navy RPM update handout which is included as Attachment C.

Mr. Perry said the Navy issued the Draft HRA and a fact sheet to the regulatory agencies and community for review on August 11, 2009.

The Navy hosted an Area of Potential Interest (AOPI) site visit with U.S. Environmental Protection Agency (EPA), U.S. Fish and Wildlife Service (FWS), and California Department of Fish and Game (CDFG) on September 17, 2009, to discuss ecological issues concerning tiger salamanders and red legged frogs. The Navy will be taking additional measures during field work at the AOPI sites to ensure the safety of the tiger salamanders and red legged frogs.

The Navy will be conducting a time-critical removal action at Site 27 in October 2009.

The Navy issued the Draft Final Site 22 Proposed Plan (PP) for a 30-day comment period in August 2009. The Navy is tentatively scheduling a public meeting to accept comments on the Site 22 PP around November 18, 2009. Ms. Stewart said the Site 22 PP schedule has been delayed for additional discussions with the regulatory agencies and the City of Concord.

Paul Choisser (Concord Naval Weapons Station Neighborhood Alliance) asked if the Navy considers all of the species included in the Endangered Species Act when site walks and field work are conducted. Mr. Choisser has seen burrowing owls in the bunker areas near Site 22. Mr. Perry said the Navy has not seen burrowing owls and they are not mentioned in the Integrated Natural Resources Management Plan. Phillip Ramsey (EPA) said that FWS and

CDFG are involved in the discussions about field work on the site and are aware of the endangered species on site. Mr. Perry said he will check on whether burrowing owls have been observed at Site 22. Mr. Ramsey said the Navy has been communicating with the regulatory agencies to ensure the field work will not affect the wildlife on site. Mr. Perry said the Navy will have a biologist on site during the field work conducted at Site 24A to ensure the wildlife is protected.

### **Action Item**

2. Mr. Perry will check Navy documentation on the burrowing owl in the Inland Area.

### **EPA Update**

Mr. Ramsey announced that Melinda Garvey (EPA RPM) will be transitioning into the Inland Area EPA RPM position. Mr. Ramsey will continue to be the EPA RPM for the Military Ocean Terminal Concord site. Mr. Ramsey will assist Ms. Garvey with the transition for the next few months. Mr. Ramsey said that he has been working on NAVWPNSTA Concord for 9 years and it has been a pleasure to work with the RAB and rest of the team.

Mr. Ramsey said that EPA approved the Site Management Plan for Fiscal Year 2010 for the Inland Area with only minor comments.

Mr. Ramsey said that he has been working to identify 11 to 13 new AOPI sites, including four buildings that were historically used for munitions maintenance.

### **San Francisco Bay Regional Water Quality Control Board (Water Board)**

Alan Friedman (Water Board) thanked Mr. Ramsey for his years of service on NAVWPNSTA Concord and welcomed Ms. Garvey to the team.

Mr. Friedman said that the Water Board reviewed and provided the Navy with comments on multiple documents, including the HRA, the groundwater monitoring report, and the Site 22 PP.

### **City of Concord**

Mr. Choisser said the City of Concord issued its reuse plan, and the preferred alternative is a cluster concept. The Draft Environmental Impact Report (EIR) was issued on September 9, 2009. Comments are due on the Draft EIR on October 30, 2009. The Draft EIR can be found in the Concord Library, the City of Concord, and on line at <http://www.concordreuseproject.org/>

## **V. FORMER INLAND BURN AREA AND EAGLES NEST REMEDIAL INVESTIGATION PRESENTATION**

Dennis Parker (Navy RPM) introduced and provided an overview of the presentation on the Former Inland Burn Area and Eagles Nest Remedial Investigation (RI). This presentation is a general summary of the alternatives and recommendations. Mr. Parker mentioned the Draft RI Work Plan had been submitted to the regulatory agencies the previous week, and the agencies are in the process of reviewing it.

Steve Delhomme (Tetra Tech) presented information on the Former Inland Burn Area and Eagles Nest RI (Attachment D).

Mr. Parker asked for input from the RAB members on how to inform the public if the Navy decides that it will be necessary to detonate any unexploded munitions found on site, based on recommendations from ordnance technicians. The Navy will be informing the City of Concord fire department and police department. The Navy is seeking recommendations for effective methods to inform the public.

Mr. Birsan asked about the timeframe to make a decision to explode munitions on site. Mr. Parker said the Navy hopes to collect all munitions discovered and explode them in place at the end of the removal action. Mr. Birsan suggested the Navy use the active blogging network in Concord to disseminate the information.

Shon Wolf (Clyde resident) suggested the Navy contact Contra Costa County and use the county's warning phone tree intended for emergencies at the local refineries.

Scot McConnell (Clyde resident) said that the Navy's notification should include information on the timeframe of the project and the contact information for questions.

Mr. Skaredoff suggested the Navy use the existing community organizations to disseminate the information. The Navy should also inform the local media and invite them to the site to see an explosion in place. The media may be interested in providing news stories about the project. Mr. Skaredoff said that the Navy should make sure the public knows what is happening and when the work will be complete. Mr. Skaredoff said that, at the least, the community leaders should be informed on the project.

Mr. Choisser said the Navy must ensure that arsenic in the dust generated by any detonations of unexploded munitions at the site does not affect the surrounding plants and wildlife.

## **VI. INFORMAL REVIEW OF AERIAL PHOTOGRAPHS OF THE INLAND AREA**

Lora Battaglia (Navy RPM) introduced and provided an overview of the historical aerial photographs the Navy will present to the community. The Navy is interested in obtaining any information on historical activities to assist the cleanup actions. The Navy presented a variety of historical aerial photographs ranging from 1939 through the 1950s.

Ms. Byrne asked when the Navy purchased the Inland Area. Mr. Delhomme said the Navy purchased the land in 1944.

Mr. Birsan asked when the Navy developed the bunkers at Site 22. Mr. Delhomme said that the bunkers were developed in 1946.

Mr. Choisser suggested the Navy ask the San Francisco Bay Estuary Institute for their historical photographs of Concord and the surrounding area. Their historical photographs may be useful to the Navy.

**VII. OTHER TOPICS, NEXT MEETING, AND ACTION ITEMS**

Ms. Stewart said the next official Inland Area RAB meeting will take place on February 3, 2010. Mr. Birsan asked for an update on the HRA at the RAB meeting on February 3, 2010.

Ms. Stewart asked if the RAB was interested in a team building event on December 2, 2009. Mr. Skaredoff suggested the RAB invite Concord Historian John Keibel to provide a presentation as part of the team building event.

**Action Item**

3. Carolyn Hunter (Tetra Tech) will contact Mr. Keibel and invite him to present to the RAB with an historical overview of Concord at the meeting on December 2, 2009.

<b>No.</b>	<b>Action Item</b>	<b>Target Date for Completion</b>	<b>Responsible Person</b>	<b>Completion Date (or Status)</b>
1	The Navy will finalize and distribute the August 5, 2009, RAB meeting minutes.	1/5/10	C. Hunter	This action item was completed
2	Mr. Perry will check Navy documentation on the burrowing owl in the Inland Area.	To be determined.	C. Perry	Ms. Stewart provided the RAB an update to complete this action item at the 6/2/10 meeting.
3	The Navy will contact Mr. Keibel and invite him to present to the RAB with an historical overview of Concord at the meeting on December 2, 2009.	10/8/09	C. Hunter	This action item was completed. Mr. Keibel has a standing commitment on Wednesday evenings; however, he will not be able to attend the RAB meeting on 12/2/09.

**ATTACHMENT A**  
**ATTENDEES AND AFFILIATIONS**  
**RESTORATION ADVISORY BOARD MEETING**  
**FORMER NAVAL WEAPONS STATION SEAL BEACH DETACHMENT CONCORD**

**OCTOBER 7, 2009**

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**ATTENDEES AND AFFILIATIONS  
 RESTORATION ADVISORY BOARD MEETING  
 FORMER NAVAL WEAPONS STATION SEAL BEACH  
 DETACHMENT CONCORD, CALIFORNIA  
 OCTOBER 7, 2009**

<u>Name</u>	<u>Affiliation</u>	<u>Telephone</u>
Wayne Akiyama	Shaw Group	(925) 288-2003
Lora Battaglia	U.S. Navy, BRAC PMO West	(619) 532-0968
Edi Birsan*	Concord Resident	(510) 812-8180
Noel Burtonshaw	Concord Visitor	None Provided
Beth Byrne	Concord Resident	(925) 686-4815
Harry Byrne	Concord Resident	(925) 686-4815
Paul Choisser	CNWS Neighborhood Alliance	None Provided
Steve Delhomme	Tetra Tech	(832) 251-5163
Alan Friedman	Water Board	(510) 622-2347
Melinda Garvey	EPA	(415) 972-
Carolyn Hunter	Tetra Tech	(510) 302-6297
John Kaiser	Water Board	(510) 622-2368
Scott McConnell*	Clyde Resident	(925) 676-7093
Mike McGowan	Arc Ecology	(415) 643-1190
Terry McManus	Kleinfelder	(510) 628-9000
Dennis Parker	Navy, BRAC PMO West	(619) 532 0954
Charles Perry	Navy, BRAC PMO West	(619) 532 0911
Jim Pinasco	DTSC	(916) 255-3719
Philip Ramsey	EPA	(415) 972-3006
Chris Rierdan	NPS	(510) 333-1542
Cindi Rose	Tetra Tech	(415) 222-8286
Igor Skaredoff*	Martinez Resident	(925) 229-1371
Kathy Stewart	Navy, BRAC PMO West	(415) 743-4715
Frank Troglione	New World Technologies	(209) 499-9208
Cindy Welles*	Clyde Resident	(925) 685-2698
Mary Lou Williams*	Concord Resident	(925) 685-1415
Shon Wolf*	Clyde Resident	(925) 686-5924

Notes:

*	Community Restoration Advisory Board (RAB) Member
BRAC PMO	Base Realignment and Closure Program Management Office
CNWS	Concord Naval Weapons Station
EPA	U.S. Environmental Protection Agency
Tetra Tech	Tetra Tech EM Inc.
Water Board	San Francisco Bay Regional Water Quality Control Board

**ATTACHMENT B**

**AGENDA  
RESTORATION ADVISORY BOARD MEETING  
FORMER NAVAL WEAPONS STATION SEAL BEACH  
DETACHMENT CONCORD, CALIFORNIA**

**OCTOBER 7, 2009**

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INLAND AREA AGENDA

FORMER NAVAL WEAPONS STATION SEAL BEACH  
DETACHMENT CONCORD INLAND AREA  
RESTORATION ADVISORY BOARD (RAB) MEETING

Wednesday, October 7, 2009

6:00 p.m. – 7:00 p.m.

Location: Concord Police Station Community Room  
1350 Galindo Street  
Concord, CA 94520

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- 6:00 – 6:10 Call to Order
- Welcome
  - Introductions/Agenda Review
  - Approval of August 2009 Meeting Minutes (Last Inland Area Meeting)
  - Public Comment Period
- Lead: Community Co-chair
- 6:10 – 6:15 Announcements
- Review of Action Items
- Lead: Navy Co-chair
- 6:15 – 6:25 Committee Reports/Announcements
- RAB Announcements, Reports or other business (Community Co-chair)
  - RAB Open Comment Period
  - Remedial Project Managers' (RPM) Update (Navy/EPA/DTSC/RWQCB)
  - City of Concord Update
- 6:25 – 6:50 Presentation: Remedial Investigation Work Plan for Eagles Nest and the Former Inland Burn Area  
Navy: Dennis Parker, Remedial Project Manager
- 6:50 – 7:00 Meeting Evaluation and Topic Suggestions of Future Meetings  
Next RAB Meeting: February 3, 2010
- 7:00 Adjourn
- 7:00 – 7:45 Informal Opportunity for Review of Old Aerial Photographs and Community Input  
Navy: Lora Battaglia, Remedial Project Manager

*\*Next RAB Meeting\**

- *Inland Area: February 3, 2010*

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*NAVWNPSTA CONCORD RAB Meetings are held the first Wednesday of every month, unless changed.  
Information regarding the Environmental Restoration program at Former Naval Weapons Station Seal  
Beach Detachment Concord Inland Area can be found at:*

*<http://www.bracpmo.navy.mil/basepage.aspx?baseid=39&state=California&name=concord>*

*BRAC Environmental Coordinator: Ms. Kathy Stewart (415) 743-4715, [kathryn.stewart@navy.mil](mailto:kathryn.stewart@navy.mil)*

*Community RAB Co-Chair: Ms. Mary Lou Williams, [Mlou1015@aol.com](mailto:Mlou1015@aol.com)*

**ATTACHMENT C**

**NAVY REMEDIAL PROJECT MANAGERS' UPDATE  
RESTORATION ADVISORY BOARD MEETING  
FORMER NAVAL WEAPONS STATION SEAL BEACH  
DETACHMENT CONCORD, CALIFORNIA**

**OCTOBER 7, 2009**

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***Navy Remedial Project Manager (RPM) Update for 7 October 2009 Meeting of Former Naval Weapons Station Seal Beach Detachment Concord***

Summary of Navy Base Realignment and Closure (BRAC)  
Inland Area RPM activities since the last RAB meeting held on  
Wednesday, 5, August 2009

**Installation Restoration/Munitions Response Programs Sites**

- August 11, 2009 – Submitted the Draft Historical Radiological Assessment and Fact Sheet.
- August 14, 2009 – Submitted the Draft Final Site Management Plan for Fiscal Year 2010.
- August 21, 2009 – Submitted AOPI Meeting Minutes and Response to Action Items.
- August 26, 2009 – Submitted the Final Site 29 RI SAP Addendum for Lead.
- September 8-16, 2009 – Completed Field Work and held Triad Meeting for Site 29.
- September 14, 2009 – Site visit with the RPMs to the Area of Potential Interest Sites.
- September 17, 2009 – Site visit to various sites with RPMs, U.S. Fish and Wildlife, California Department of Fish and Game, and U.S. EPA to discuss potential endangered species issues.
- September 25, 2009 – Submitted the Final Sampling and Analysis Plan for Site 24A, Pistol Firing Range.
- September 30, 2009 – Submitted the Draft Final Basewide Groundwater Monitoring Sampling Plan.
- October 1, 2009 – Resumed Field Work for TCRA activities at Site 27.
- October 2, 2009 – Submitted the Draft RI Work Plan for Eagle's Nest EOD and Former Inland Burn Area.
- October 2, 2009 – Submitted the Final Proposed Plan for Site 22.

**ATTACHMENT D**

**FORMER INLAND AREA BURN AND EAGLES NEST  
REMEDIAL INVESTIGATION PRESENTATION  
RESTORATION ADVISORY BOARD MEETING  
FORMER NAVAL WEAPONS STATION SEAL BEACH  
DETACHMENT CONCORD, CALIFORNIA**

**OCTOBER 7, 2009**

(25 Pages)



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# Former Inland Burn and Eagle's Nest Remedial Investigation

Former Naval Weapons Station  
Seal Beach Detachment Concord

Restoration Advisory  
Board  
October 7, 2009





## Presentation Overview

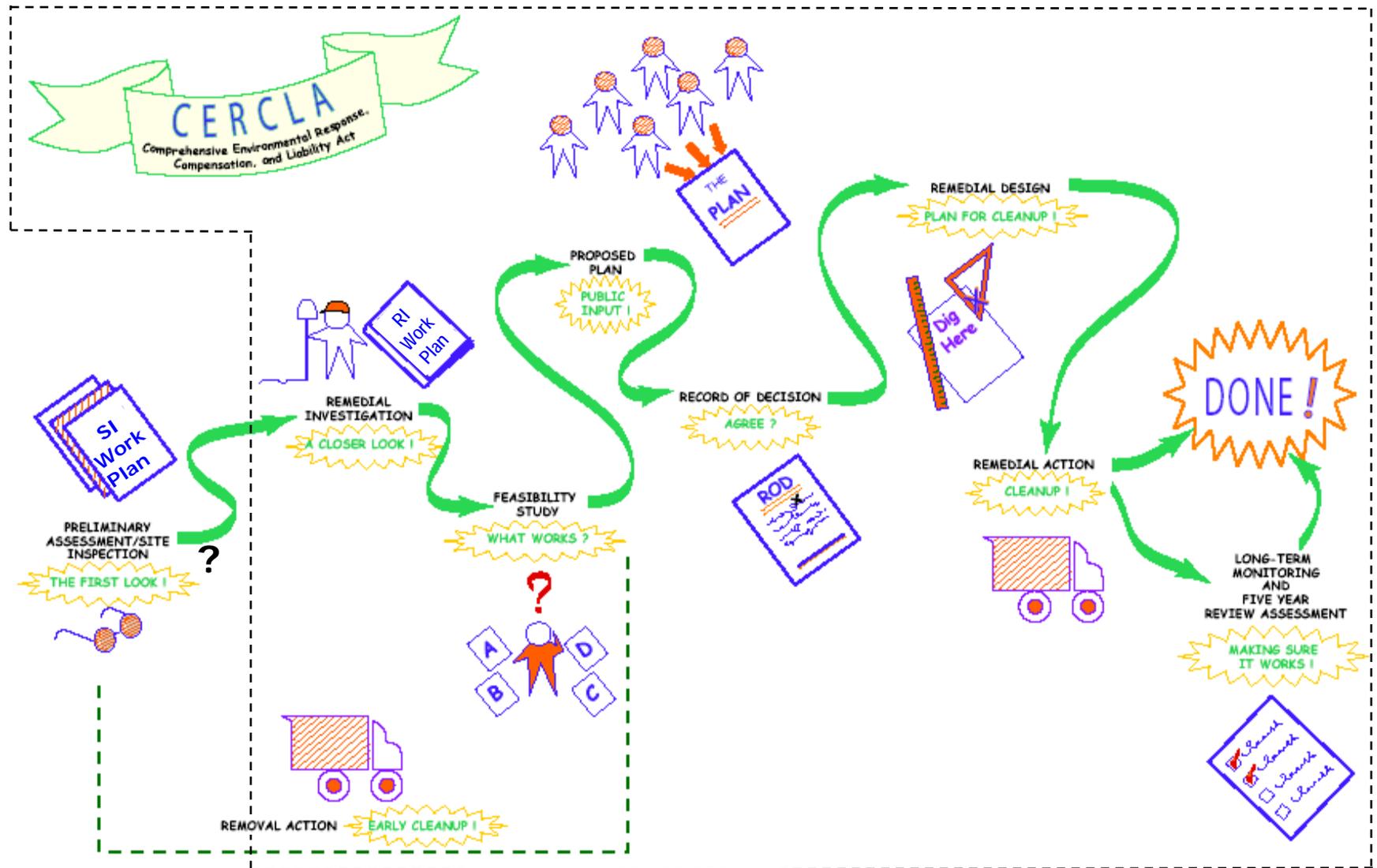
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- CERCLA Process
- Remedial Investigation
- Eagles Nest Area
- Former Inland Burn / Railroad Sidings  
Excavation Area
- Schedule
- Questions



# CERCLA Process

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## Remedial investigation

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- Site Inspection Conclusions - Eagles Nest and Former Inland Burn Areas to Proceed to Remedial Investigation
- Remedial Investigation at Munitions Sites
  - Gather data sufficient to determine nature and extent of MEC and munitions constituents (MC)
  - Determine if unacceptable risk due to MC exists using human health and ecological risk assessment
  - Determine if unacceptable risk exists due to MEC using MEC Hazard Analysis



## MEC Hazard Analysis

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- MEC HA uses a relative numeric approach
- The functional components are:
  - **Severity**—potential severity of the result should a MEC item function
  - **Accessibility**—likelihood a receptor will be able to interact with an MEC item
  - **Sensitivity**—likelihood an MEC item will function should a receptor interact with it



## Remedial Investigation Work Plan

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- Uses results of Risk Assessment (Aug 2009) performed using Site Inspection data
- Potential ecological risk:
  - Eagles Nest-cadmium in soil at one location
  - Former Inland Burn Area-several metals in soil at two locations
- Different investigation methods will be used at Eagles Nest and Former Inland Burn Area



# Inland Area

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# Inland Area

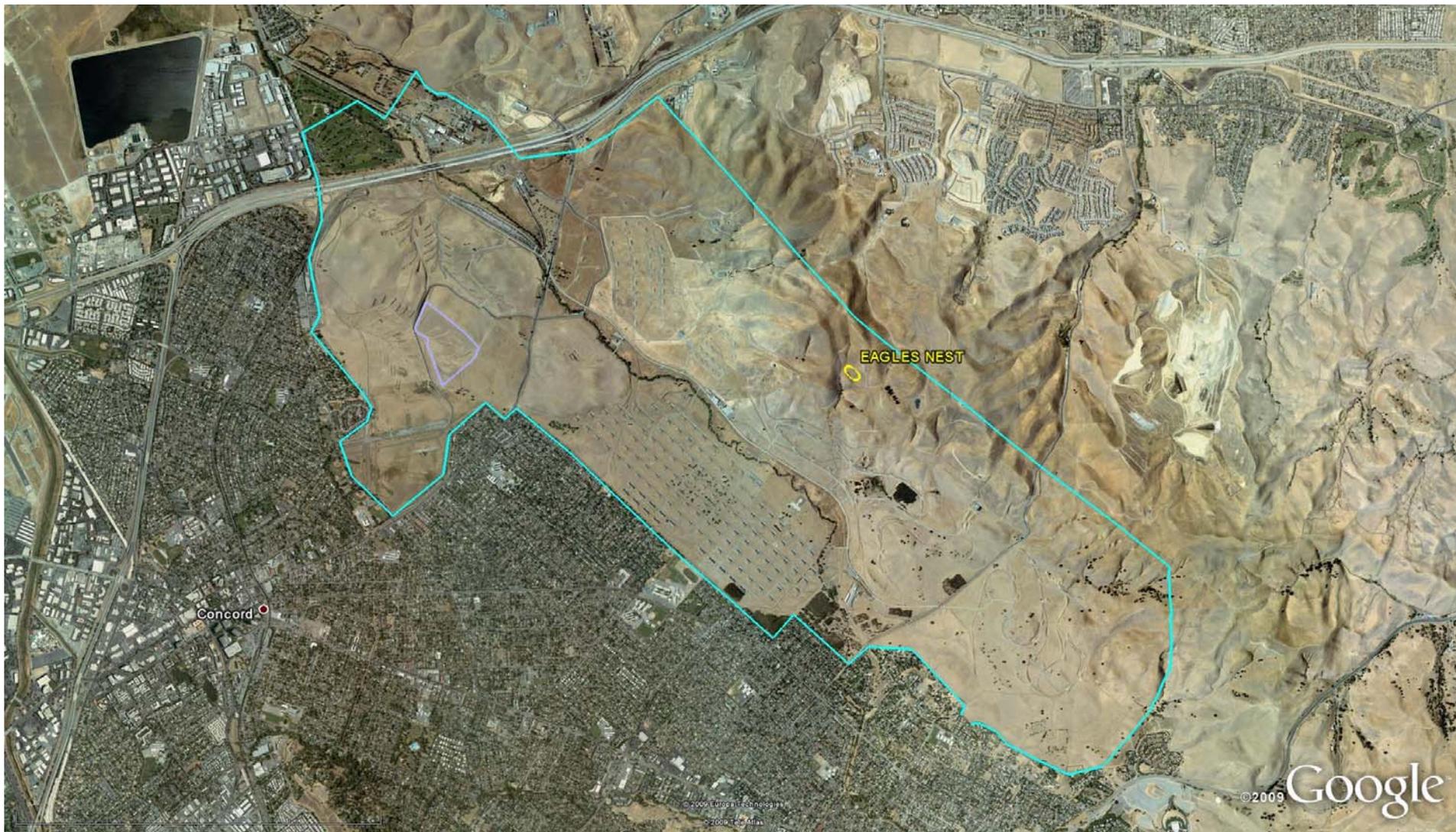
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# Inland Area

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# Eagle's Nest

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## Eagle's Nest

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- Remedial Investigation Goals for Eagles Nest
  - Determine if metals in soil present an unacceptable ecological risk
  - Investigate all geophysical anomalies to determine if any are MEC-related items
  - Evaluate the potential for Royal Demolition Explosives (RDX) to impact groundwater
  - Determine if Indian Springs is impacted



# Eagle's Nest Geophysical Investigation Summary

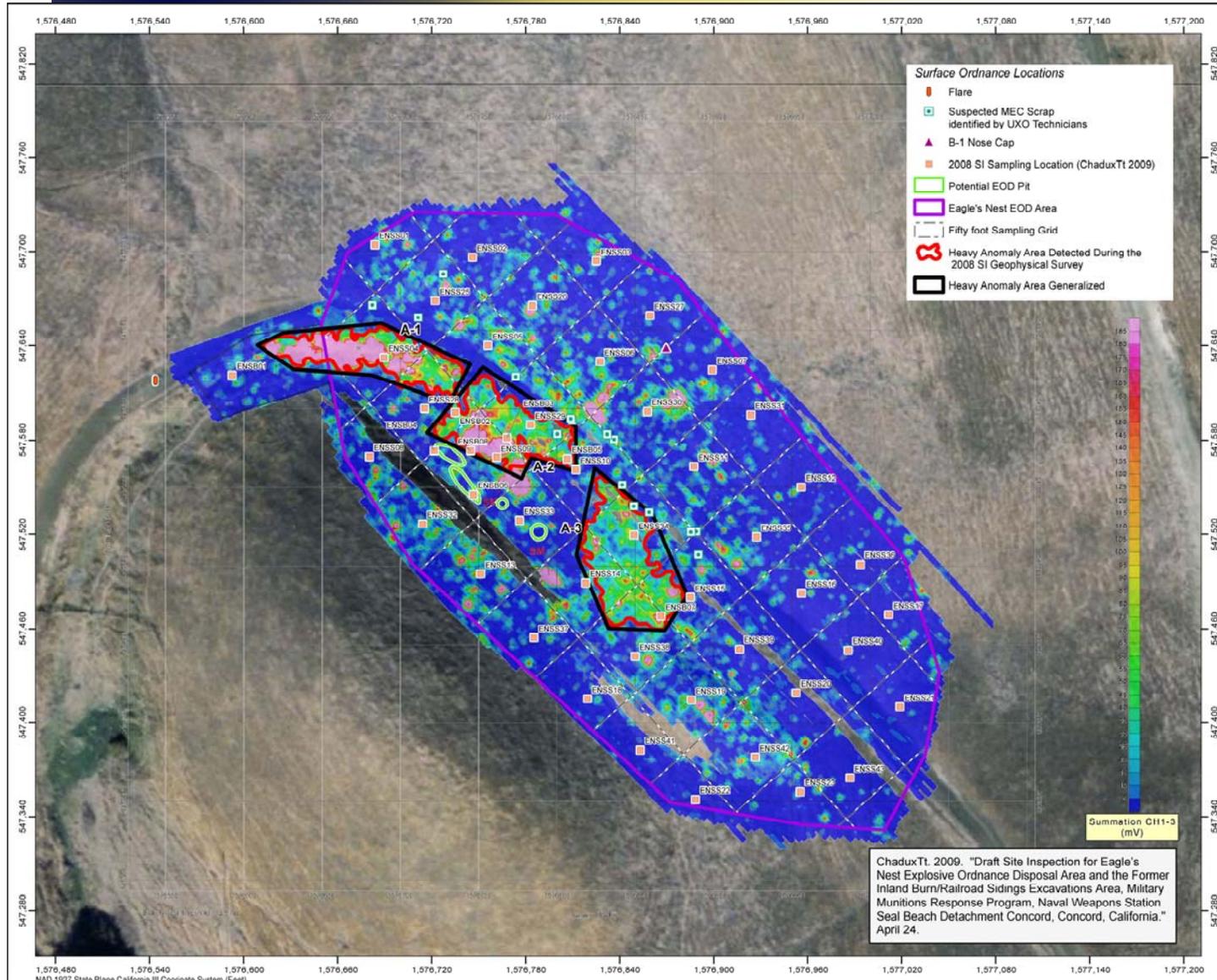
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# Eagle's Nest Geophysical Investigation Summary

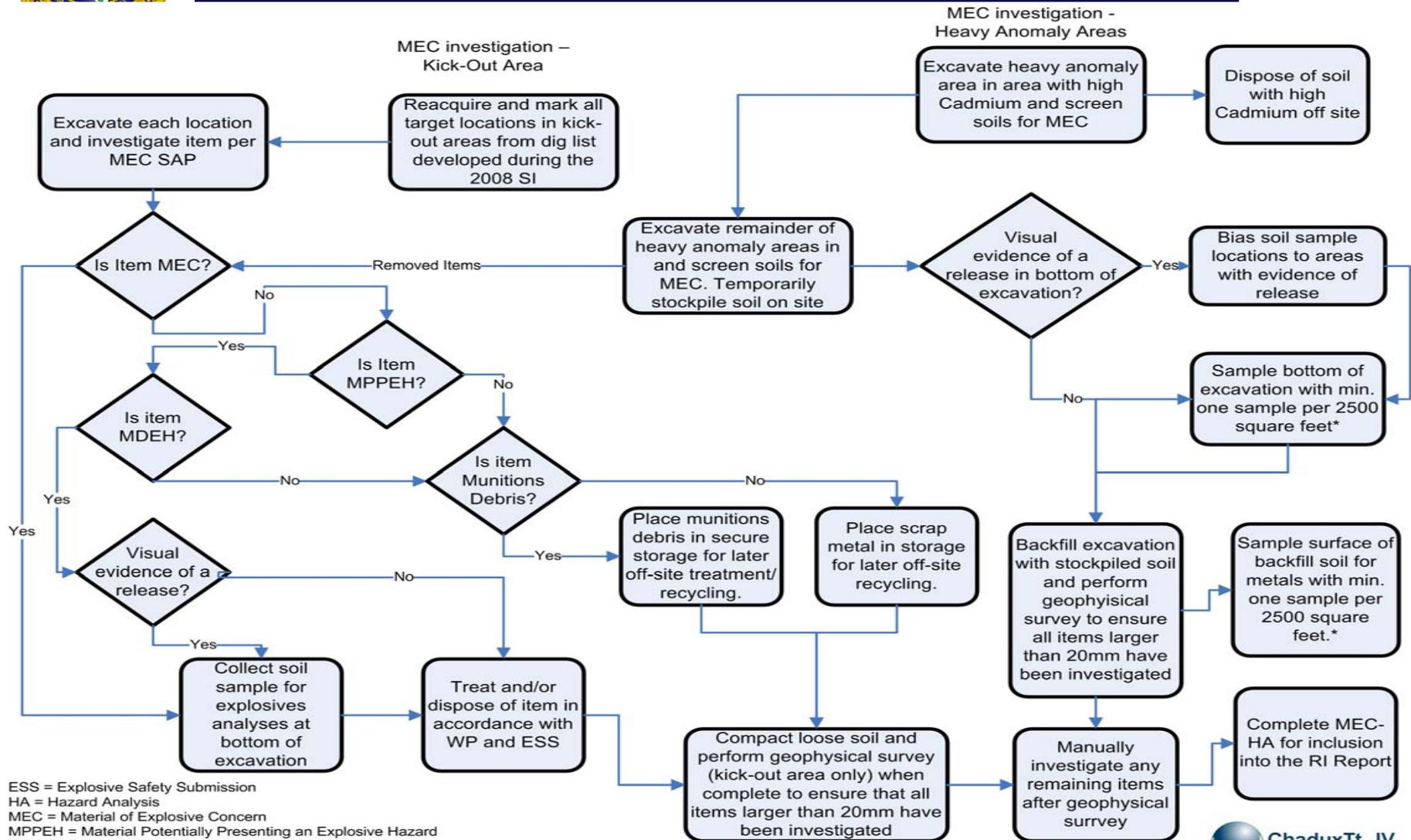
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# Eagle's Nest MEC Decision Tree

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ESS = Explosive Safety Submission  
 HA = Hazard Analysis  
 MEC = Material of Explosive Concern  
 MPPEH = Material Potentially Presenting an Explosive Hazard  
 MDEH = Material Documented as an Explosive Hazard  
 MDAS = Material Documented as Safe  
 RA = Risk Assessment (RA Technical Memorandum, Tetra Tech, 2009)  
 SI = Site Inspection (Tetra Tech, 2008)  
 SV = Screening Values  
 WP = Remedial Investigation Work Plan

\* Note: Samples evaluated as detailed in sampling decision tree (see figure x-x)

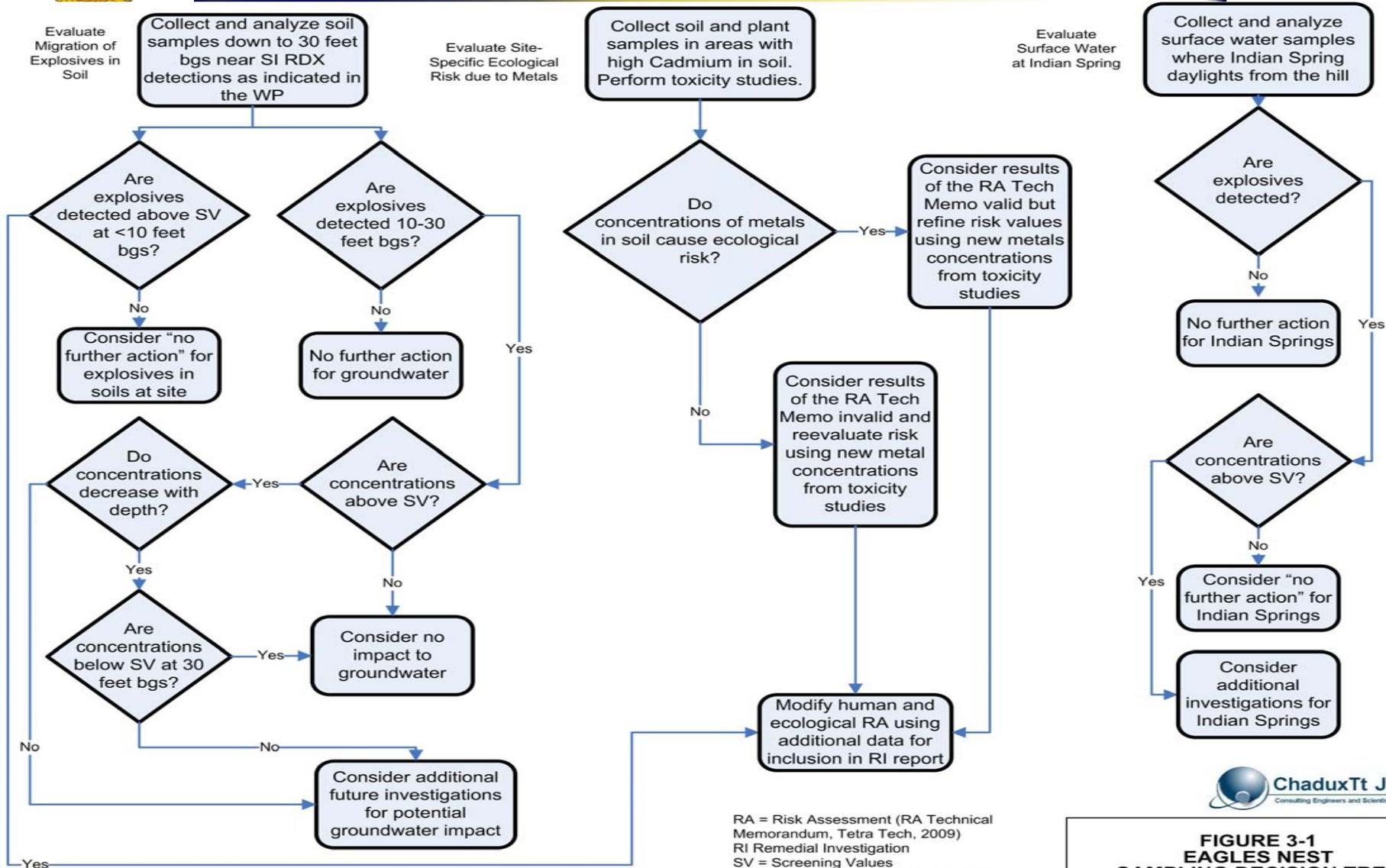


**FIGURE 3-2**  
**EAGLES NEST**  
**MEC DECISION TREE**



# Eagle's Nest Sampling Decision Tree

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RA = Risk Assessment (RA Technical Memorandum, Tetra Tech, 2009)  
 RI Remedial Investigation  
 SV = Screening Values  
 WP = Remedial Investigation Work Plan



**FIGURE 3-1  
EAGLES NEST  
SAMPLING DECISION TREE**



## Blow-in-Place Examples

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Blow-in-place Video here

Discuss notification of public during video



## Former Inland Burn / Railroad Sidings Excavation Area

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## Former Inland Burn / Railroad Sidings Excavation Area

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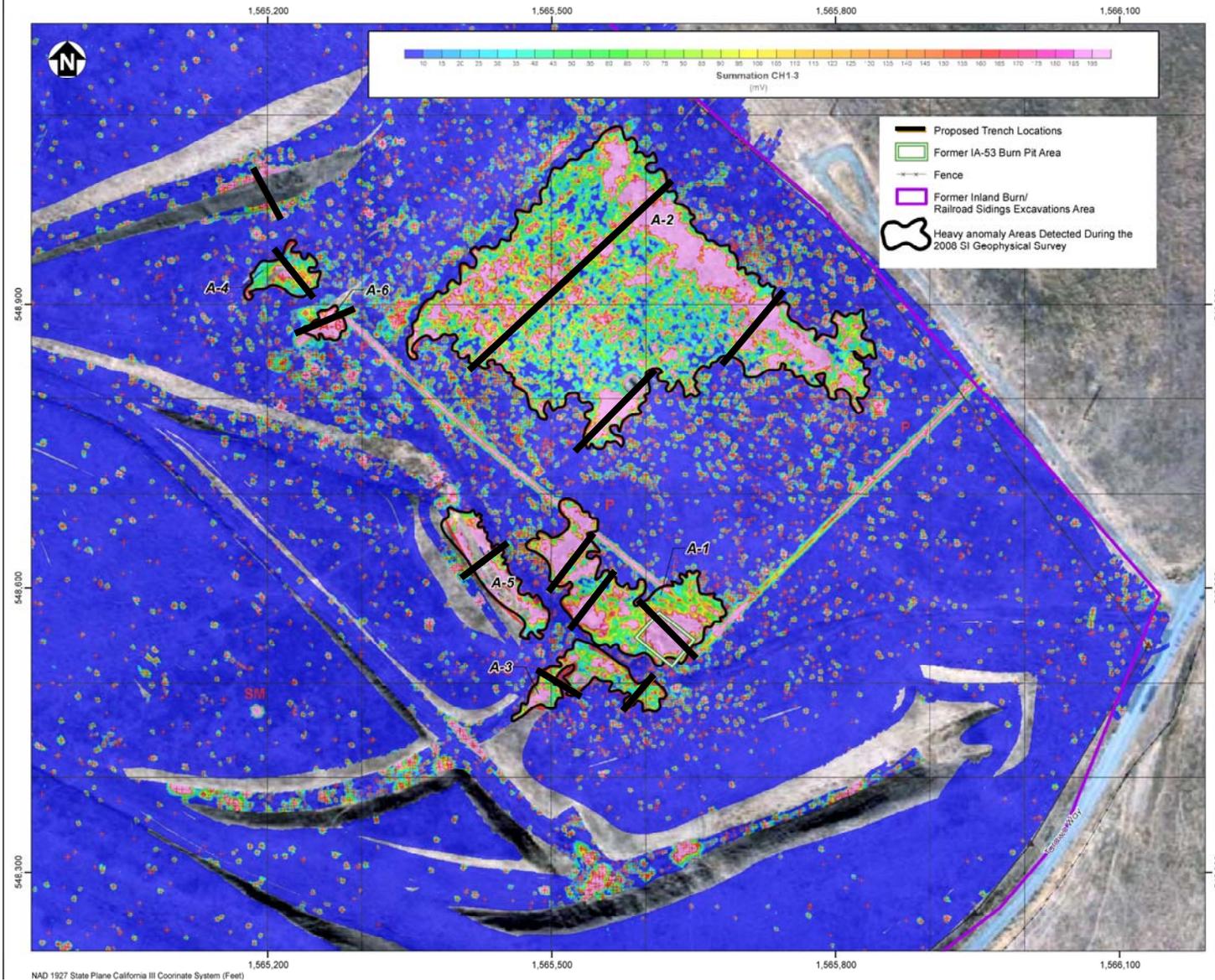
- RI Goals for the Former Inland Burn Area
  - Determine nature and depth of items in heavy-anomaly area
  - Determine effectiveness of heavy scraper/screener in both areas
  - Determine if items are buried in previous IA-53 (burn pit) location
  - Determine if munitions constituents exist under the IA-53 footprint (11-16 feet deep)





# FIB/RSE Geophysical Investigation Summary

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# RangeMaster

**BRAC**  
PMO WEST





# RangeMaster

**BRAC**  
PMO WEST





# RangeMaster

**BRAC**  
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# RangeMaster

**BRAC**  
PMO WEST

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## Schedule

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- Oct. 2, 2009 - Draft Work Plan submitted
- Dec. 1, 2009 - Regulatory Agency Review
- March, 2010 - Draft Final RI Work Plan in
- May 2010 - Regulatory Agency Review
- May, 2010 - Finalize RI Work Plan
- Summer 2010 - RI field work to be performed
- 4th Quarter 2010 - Prepare Draft RI Reports



## Questions?

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### Project Team:

- Dennis Parker - RPM, Navy
- Steve DelHomme, P.E.- Tetra Tech, PM
- Ralph Basinski - MRP Expert, Tetra Tech
- Ralph Brooks - UXO Coordinator, Tetra Tech
- Jeff Eddo - Geophysics Expert, Tetra Tech