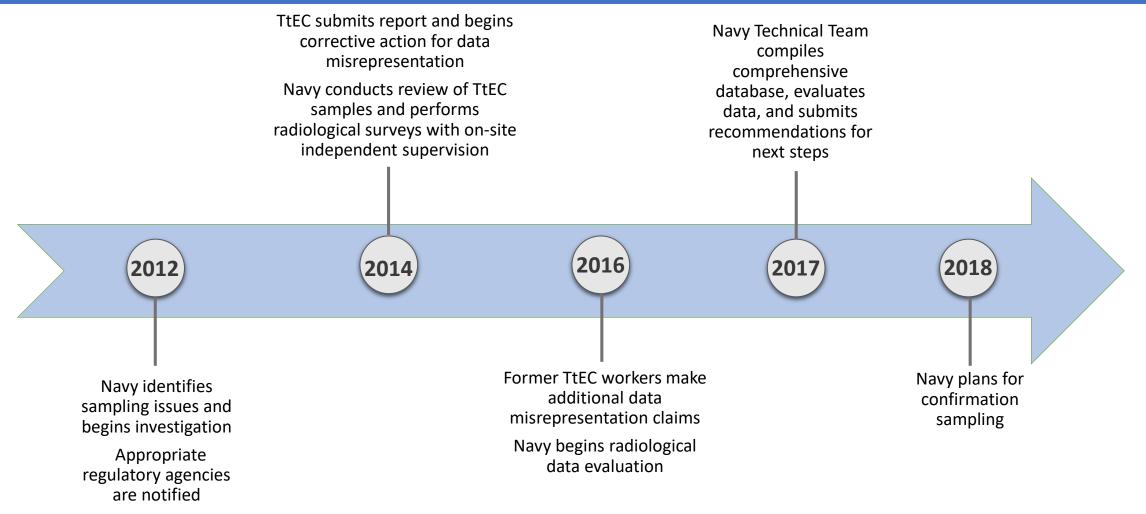
Hunters Point Naval Shipyard Radiological Data Evaluation Evaluation Process and Initial Results January 31, 2018



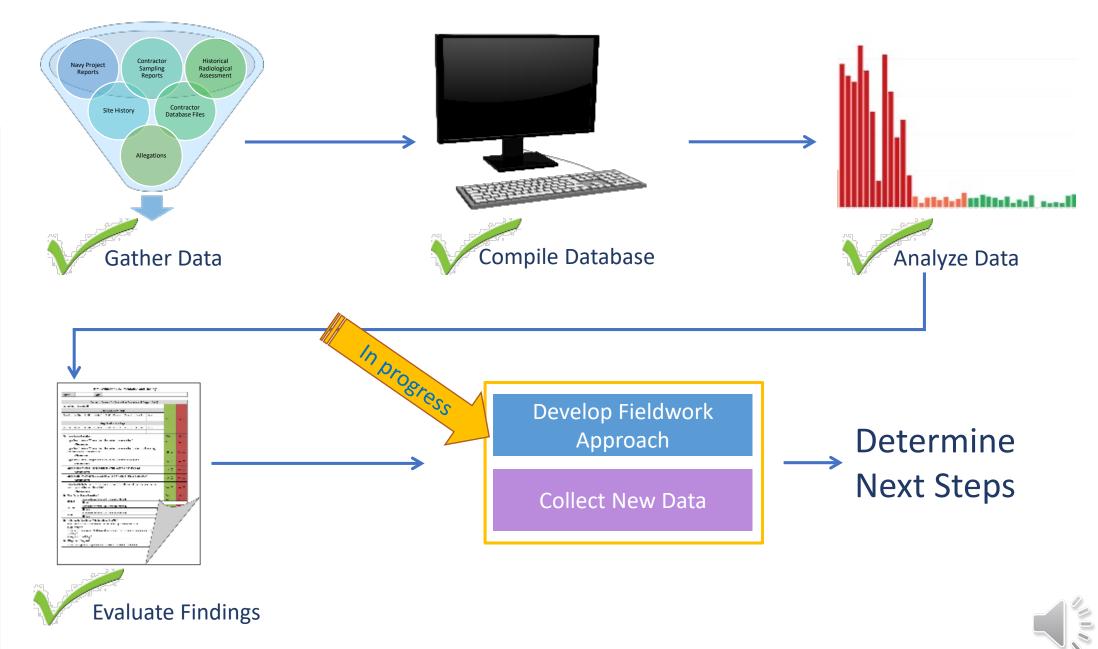


HPNS Radiological Data Evaluation Timeline









Process

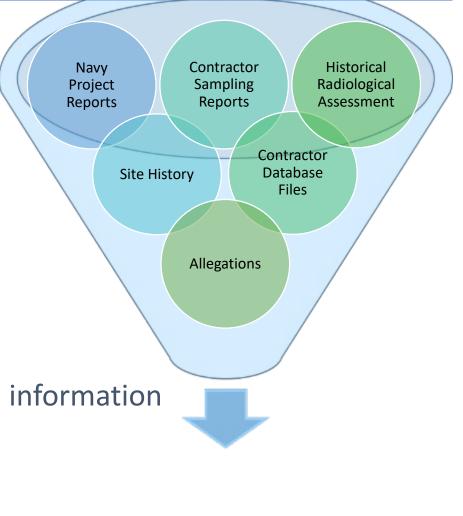
Gather Data Purpose: To collect all relevant information Status: COMPLETE

Activities

- ✓ Collected background and TtEC radiological sample data
 - Navy project reports
 - Sampling results
 - Reference data
 - Database files

✓ Cross-referenced data to remove duplicate information

 \checkmark Categorized data for future analysis





Compile Database

Purpose: To establish an accurate database Status: *COMPLETE*

Activities

- ✓ Compiled electronic database
 - Radiological soil samples
 - Radiological scans
- ✓ Conducted quality control review







Analyze Data Purpose: To identify inconsistencies in data Status: *COMPLETE*

Activities

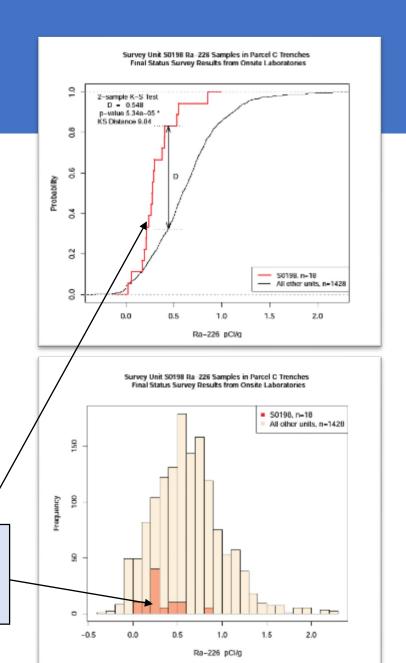
✓ Conducted standardized analysis on

sample results

- Performed statistical tests to identify data inconsistencies
- Performed logic tests to confirm if results

"made sense"

Differences in data show that samples are not from the same sample collection location.



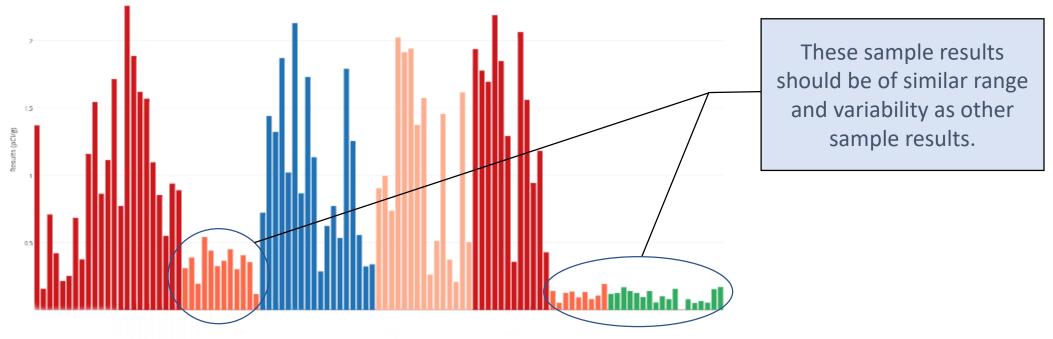




Analyze Data (continued) Purpose: To identify inconsistencies in data Status: *COMPLETE*



Example of Analysis Method - Graphical Analysis



Graphical representation of multiple samples collected on different days

Vertical bars represent sample concentrations

Colors represent different sample dates



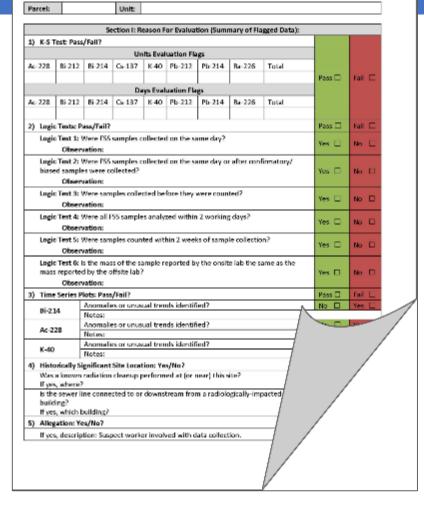
Evaluate Findings

Purpose: To determine accuracy of data Status: *COMPLETE*

Activities

- ✓ Flagged unusual or suspect data
 - Statistical inconsistencies
 - Logic test inconsistencies
- ✓ Cross-referenced additional data
 - Sites with possible history of radiological contamination
 - Sites referenced in allegations

Data Evaluation Documentation and Findings







Evaluate Findings Purpose: To determine accuracy of data Status: *COMPLETE*

Navy Findings

✓ Evidence of data falsification was found

in multiple locations/areas

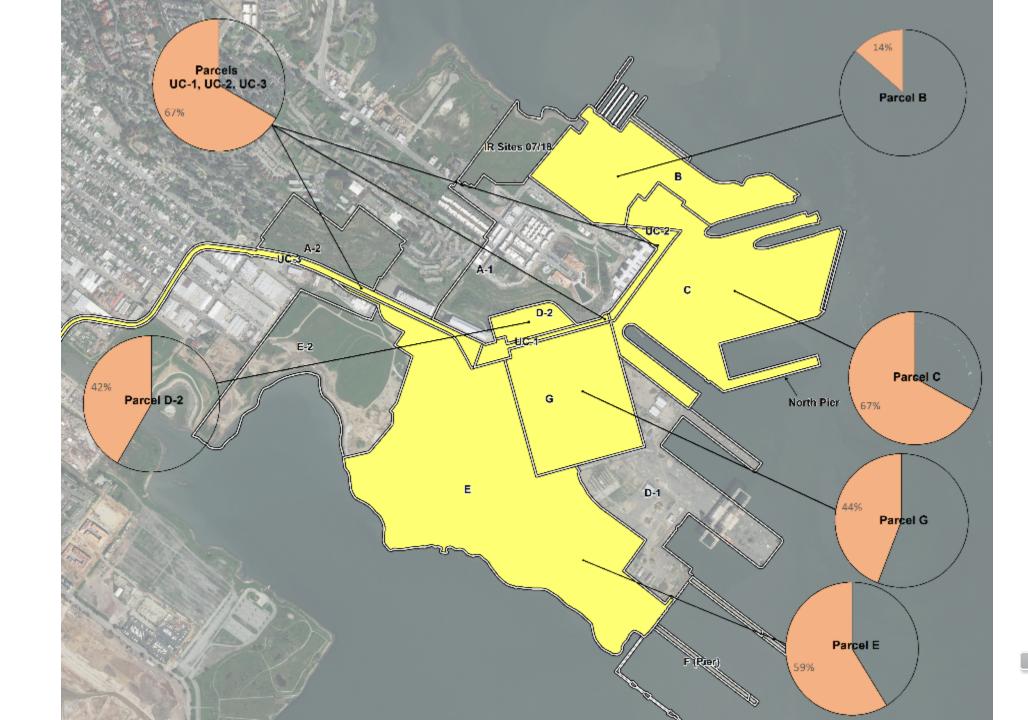
- Poor laboratory data quality and sample
 procedures complicate information already in
 question
- ✓ The Navy plans to collect new, independent data to validate the safety of the site for future use







Results



N U V

Determine Next Steps Purpose: To develop plans for path forward Status: *IN PROCESS*



Activities

- ✓ Document data evaluation results
- ✓ Develop an approach for collecting new data to confirm site safety
- ✓ Agree to a sampling/excavation approach with Regulatory Agencies

Confirmation Sampling Recommended!

Collection of additional data (surveys, scans, or soil samples) is recommended due to evidence of potential data manipulation and/or falsification



Determine Next Steps (continued) Purpose: To develop plans for path forward Status: *IN PROCESS*



Activities

- ✓ Prepare work plan for fieldwork
- ✓ Conduct fieldwork
- ✓ Continue to communicate progress to Regulatory Agencies and the community
- ✓ Continue to offer community resources





Access Navy Resources For More Information

Contact HPNS program management

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Attend a bus tour or Navy community meeting

Upcoming Bus Tours June 9, 2018 9:00 a.m. and 10:30 a.m.

September 8, 2018 9:00 a.m. and 10:30 a.m. Upcoming Navy Meetings April 12, 2018* Parcel F Proposed Plan (Spring)

July 11, 2018 Radiological Update

October 3, 2018 Topic To Be Determined

Join the HPNS mailing list or leave a comment

