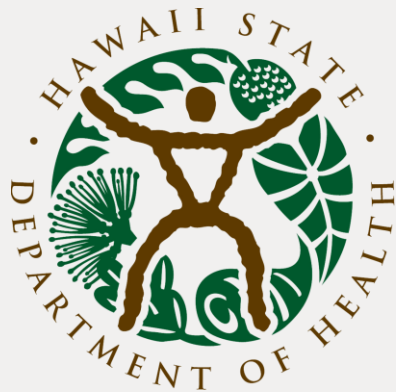


Regulatory Requirements and Expectations for Closure Site Assessment

Fuel Tank Advisory Committee Meeting
March 7, 2024



DOH/EPA Environmental Oversight

Direct and oversee Navy investigation and remediation work

- ▶ Site assessment requirements associated with closure of the entire UST system
- ▶ Independent analysis of groundwater and other site data
- ▶ Remedy evaluation, selection, and implementation

Share data and communicate risk information to the public

EPA Website
Groundwater Results App



DOH Website
Red Hill



Navy Website
JPHH Safe Waters



Key Updates Since November 2023 FTAC

Removed risk of catastrophic release to the environment:

- Less than 50,000 gallons of sludge and fuel remain in the facility; significantly less than +104MG stored prior to defueling.

DOH and EPA sent expectation letters for the Navy's Site Assessment Plan required for closure of the underground storage tank (UST) system:

- The intent is to provide regulatory expectations early to expedite site assessment and remediation.
- DOH and EPA expect the Navy's Site Assessment Plan to address all releases from the entire UST system over its history.
 - Phase 1: Areas of the UST system within the Red Hill property boundary, including ongoing Adit 3 investigation
 - Phase 2: Areas of the UST system outside the Red Hill property boundary
- Navy to submit plan and schedule for Site Assessment, Investigation, Remediation in June 2024.

Evaluation of Aquifer Conditions - Combined TPH

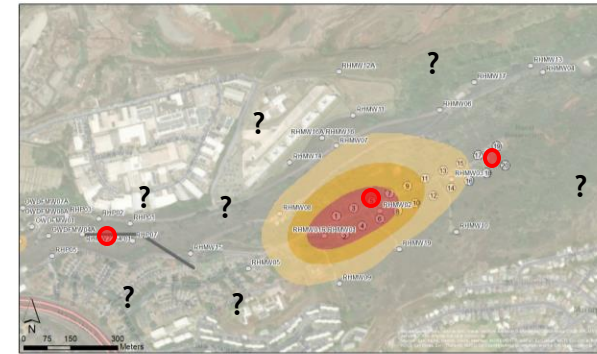
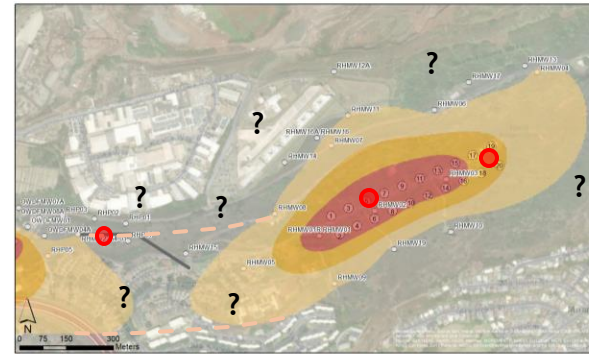
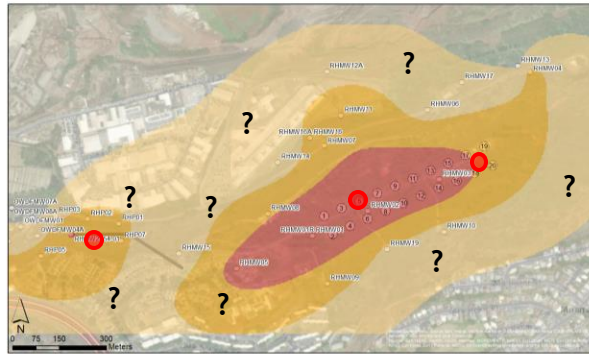
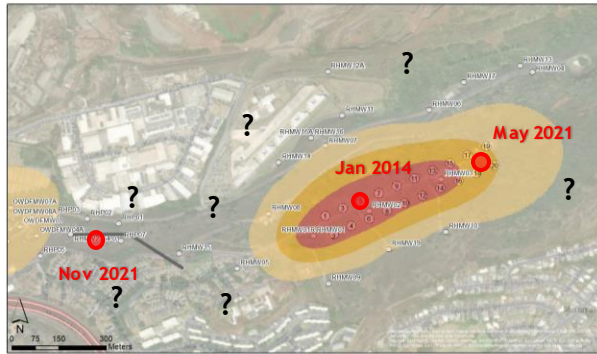
Frequency of TPH Detections: May 2021 to January 2024

Prior to May 2021

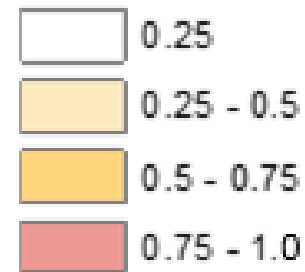
May 5 2021 - May 4 2022

May 5 2022 - May 4 2023

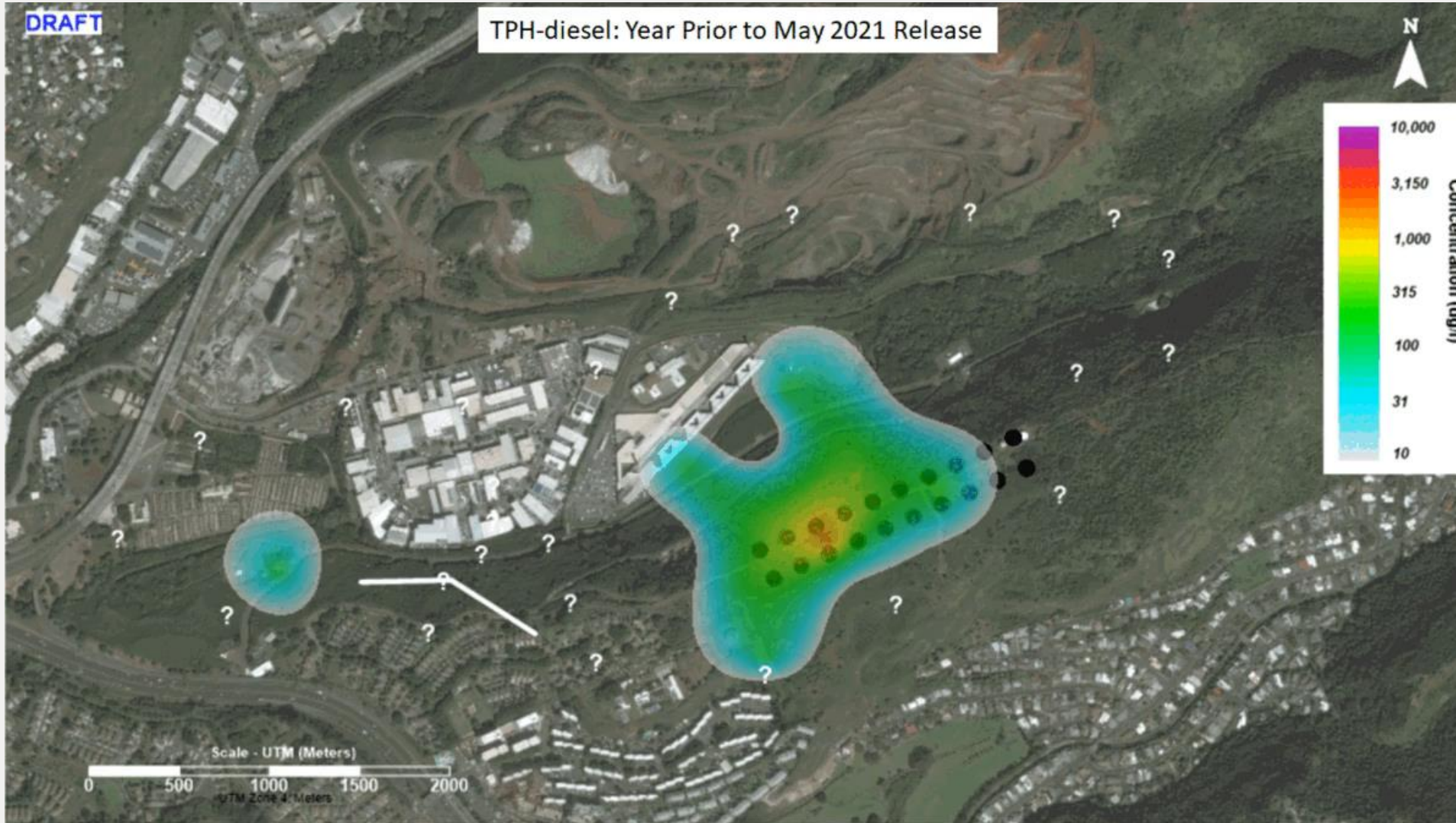
May 5 2023 - January 2024



Fraction of TPH
Detections

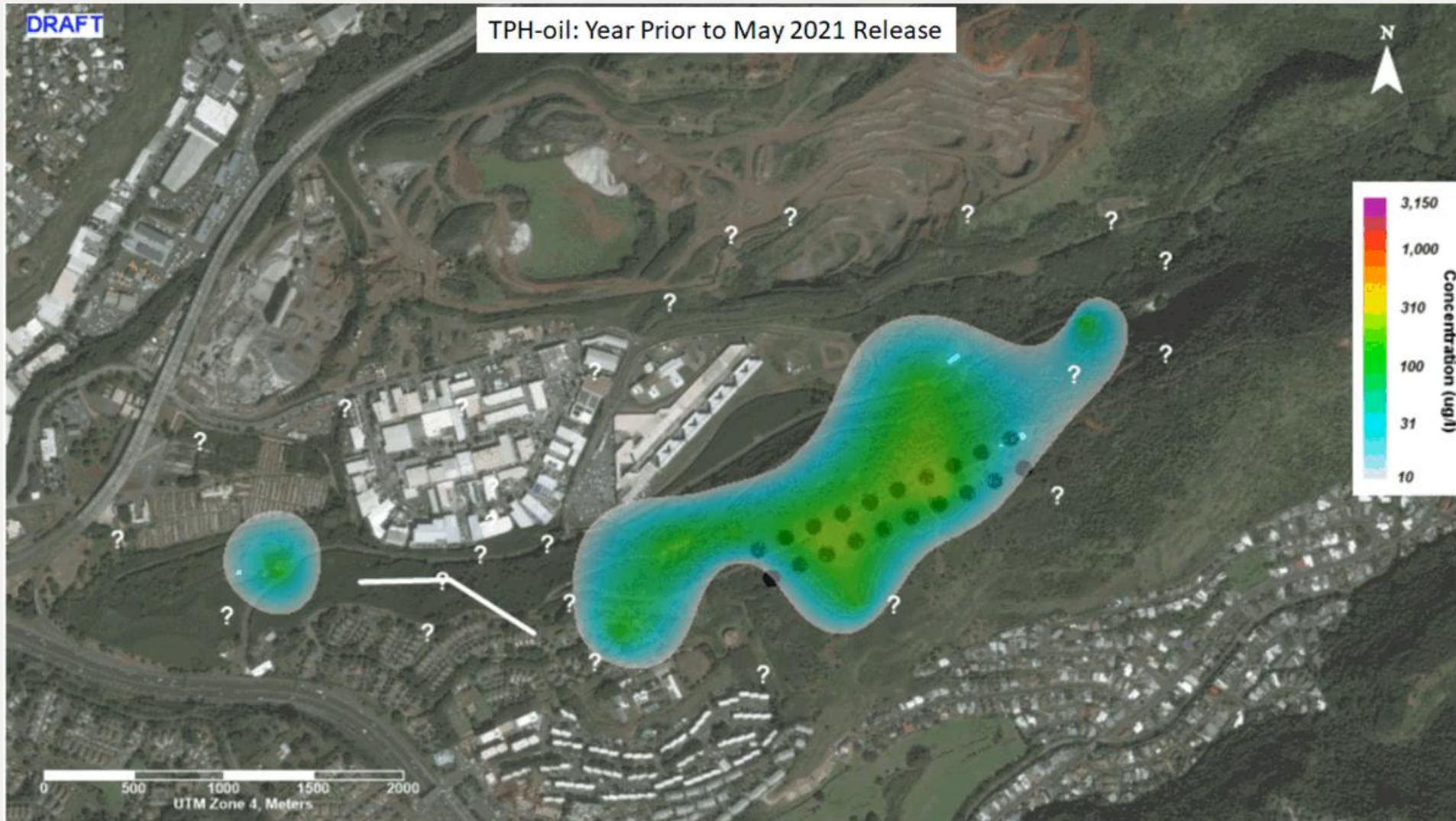


Maximum TPH-Diesel Range Detections Over Time



Data sources: RA compiled Navy Groundwater Data available as of February 20, 2024

Maximum TPH-Oil Range Detections Over Time



Data sources: RA compiled Navy Groundwater Data available as of February 10, 2024.

Current Oversight of Environmental Activities

- ▶ Initial evaluation of remedial options
 - ▶ Soil vapor extraction pilot studies scheduled from April-August 2024
- ▶ Overseeing other environmental activities:
 - ▶ Expansion of groundwater monitoring well network
 - ▶ Continued groundwater and soil vapor monitoring
 - ▶ Red Hill Facility-wide PFAS investigation
- ▶ Facilitating stakeholder subject matter expert involvement (BWS, CWRM, USGS):
 - [Red Hill Remediation Roundtable](#) (bimonthly)
 - Subject Matter Expert Workshops (quarterly)

Future Environmental Activities Required for Closure

1. Comprehensive site assessment to identify all releases from the UST system over its entire history.
2. Where releases are identified, site investigation will be conducted to determine the nature and extent of all releases.
3. Corrective action plan(s) will be prepared to address releases, including:
 - a) Evaluation of potential remedial options
 - b) Identification of preferred remedial option
 - c) Public participation
4. Implementation of approved remedial measures.