

Phase I Environmental Site Assessment

22.734-Acre Property
Located at
91-2002 Fort Weaver Road
(Tax Map Key Numbers [TMKs]: [1] 9-1-181: Parcels 031 and 037)
Ewa Beach, Oahu, Hawaii

FAI Project No. 25-2603

November 10, 2025

Prepared for:

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LIST OF ACRONYMS

AAI All Appropriate Inquiry

ACM Asbestos-Containing Materials

AOC Area of Concern amsl Above mean sea level AST Aboveground storage tanks

ASTM ASTM International

AULs **Activity and Use Limitations** bgs Below ground surface

CERCLA Comprehensive Environmental Response, Compensation, and Liability Act

CFR Code of Federal Regulations

DLNR State of Hawaii Department of Land and Natural Resources

DOD Department of Defense

DPP Department of Planning and Permitting EDR Environmental Data Resources, Inc.

E MANIFEST Hazardous Waste Electronic Manifest System

Environmental Site Assessment ESA ESI **Environmental Science International**

FAI Ford & Associates. Inc. **FINDS** Facility Index System

FEMA Federal Emergency Management Agency HDOH State of Hawaii Department of Health HEER

Hazard Evaluation and Emergency Response

HFD Hawaii Fire Department

Housing and Urban Development HUD **HWP** Hazardous Waste Program

LBP Lead-Based Paint

LLP **Landowner Liability Protections** LUST Leaking underground storage tank

NESHAPS National Emission Standards for Hazardous Air Pollutants

NPL **National Priority List**

Occupational Safety and Health Administration OSHA

PACM Presumed asbestos-containing materials

PCBs Polychlorinated Biphenyls

RCRA Resource Conservation Recovery Act RCRA-SQG RCRA Small Quantity Generator

ROD **Record of Determination**

SEMS Superfund Enterprise Management System

Solid and Hazardous Waste Branch **SHWB**

State Hazardous Waste Site SHWS SIC Standard Industrial Classification

TMK Tax Map Key

UIC **Underground Injection Control**

United States Code U.S.C.

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USDA United States Department of Agriculture

US ENG CONTROLS Federal Engineering Controls

USEPA United States Environmental Protection Agency

USFWS United States Fish and Wildlife Service

USGS United States Geological Survey
US INST CONTROL Federal Institutional Control
UST Underground storage tank
VEC Vapor Encroachment Condition
VES Vapor Encroachment Screen



EXECUTIVE SUMMARY

Ku'ai Halewai, LLC retained Ford & Associates, Inc. (FAI) to conduct a Phase I Environmental Site Assessment (Phase I ESA or assessment) of the 22.734-acre property located at 91-2002 Fort Weaver Road (Tax Map Key Number [TMK]: [1] 9-1-181: Parcels 031 and 037) in Ewa Beach, Oahu, Hawaii (the "subject property"). The objective of the Phase I ESA was to provide an independent, professional opinion regarding recognized environmental conditions, as defined by ASTM International (ASTM), associated with the subject property. This Phase I ESA was requested in association with an acquisition.

FAI performed this Phase I ESA under the conditions of, and in accordance with FAI Proposal Number 25P-3733, dated April 29, 2025, and ASTM International Practice E1527-21, Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process as a guideline. Any exceptions to, or deletions from, this practice are described in Sections 1.2 and 1.3 of this report.

Description of Subject Property

The subject property is located at 91-2002 Fort Weaver Road in Ewa Beach, just northwest of the intersection of Fort Weaver Road and Old Fort Weaver Road. It is comprised of two contiguous parcels covering approximately 22.734 acres of land area, and is mostly vegetated and undeveloped except for a single residential building and an area leased to the drilling contractor, Drill Pro Company, which uses the central portion of the subject property as a base yard. The base yard includes a few make-shift canopy structures, sheds, shipping containers, trailers, a chicken coop, various pieces of heavy equipment (i.e., backhoe, excavator, and forklift), scrap metal, and a nearby apiary with beehive boxes.

The City and County of Honolulu Department of Planning and Permitting (DPP) database lists the subject property as the two land parcels designated as TMKs: (1) 9-1-181: Parcels 031 and 037. Parcel 031 is approximately 3.389 acres in area, and Parcel 031 is approximately 19.35 acres in area.

The DPP database indicates that Parcel 031 of the subject property is currently zoned "R-5 Residential District," and Parcel 037 of the subject property is currently zoned both "R-5 Residential District" and "AG-2 General Agricultural District." The City and County of Honolulu Real Property Assessment Division database lists the Property Tax Class for Parcel 031 is "Residential A," and the Property Tax Classes for Parcel 037 include "Vacant Agricultural," "Residential," and "Agricultural."

History of Subject Property

The historical research presented in this assessment has established the use of the subject property since 1928. In addition, information on historic uses of adjoining properties was also obtained. A chronological summary of the historic uses of the subject and adjoining/nearby properties is presented below.

The earliest available topographic map, from 1928, shows approximately 17 small- to medium-size structures within the subject property boundaries, located along roadways at the southern and western boundaries of the subject property. A larger building is shown at the northwest corner of the subject property, with a portion of the building extending offsite. The 1953 topographic map shows

approximately 19 small structures (likely houses) on the southern and western portions of the subject property.

The two earliest available aerial photographs, dated 1962 and 1968, show the subject property as partially developed land with some portions shown as agricultural sugar cane crops. Groups of small structures (likely houses) surrounded by trees appear on the south-central and west-central portions of the subject property. A narrow waterway extends through the center of the subject property in a roughly north-south direction. The 1972 aerial photograph shows a roughly rectangular area that appears as a body of water at the northeast corner of the subject property. Subsequent aerial photographs dated from 1992 to 2005 show the subject property developed with more small structures and what appear as shipping containers and trucks/vehicles. Aerial photographs dated from 2006 to 2008 show most of the buildings were cleared from the property, with an increase in trees and other vegetation throughout the subject property. Aerial photographs dated from 2011 to 2025 show several structures on the central portion of the subject property where the current Drill Pro Company base yard is located.

A previous Phase I ESA report prepared in 2005 includes historical information about the subject property, indicating that Hawaii Land and Railroad Company sub-leased the subject property from Ewa Plantation Company and opened a slaughterhouse facility in the 1930s or 1940s. Kahua Meat began its slaughterhouse and meat packing operations on the subject property in the 1940s or 1950s. Farmer Livestock Cooperative took over the slaughterhouse, which included an on-site settling pond, in the 1990s, and the slaughterhouse ceased operations in 2004. The settling pond was also filled in/closed in 2004. Other past uses of the subject property included a retail plant nursery operation, equipment storage facilities for commercial tenants, a shave ice and grocery store, and residences.

Past sub-lessees at the subject property between 1995 and 2005 included Alana Trucking, Hawaii Seal Coating, VIP Sanitation, and Western Engineering. Alana Trucking parked hauling trucks on the subject property, but was not allowed to store rock and dirt at the subject property. Hawaii Seal Coating, an asphalt paving contractor, stored equipment at and dispatched workers from the subject property. VIP Sanitation stored portable toilets at the subject property. Western Engineering, a construction company, stored equipment at the subject property.

Available records at the City and County of Honolulu Real Property Tax Office indicate that the subject property is comprised of two contiguous land parcels designated as TMKs: (1) 9-1-181: Parcels 031 and 037. Parcel 031 was created from a portion of TMK: (1) 9-1-017: Parcel 041 in 2008, and Parcel 037 was created from a portion of TMK: (1) 9-1-017: Parcel 012 in 2020, with the Roman Catholic Church listed as the owner of both parcels. The earliest available records, from 1948 and 1951, indicate that the land was owned by the James Campbell Trust Estate. Past lessees and sub-lessees of the land included Ewa Plantation Co., Kahua Meat Co., Ltd., Oahu Sugar Co., Farmer Livestock Coop, and Sui Sin Tai. Past landowners include the United States of America and Aina Nui Corporation.



Findings and Recommendations

This Assessment has revealed no recognized environmental conditions, controlled recognized environmental conditions, and/or significant data gaps, as defined by ASTM, in connection with the subject property, except for the following:

Past and Current Onsite Wastes and Imported Soils – Based on our review of previous Phase I ESA reports and FAI's recent site visit, the subject property has included various potentially hazardous wastes including abandoned vehicles, fuel cans/drums, paint cans, petroleum hydrocarbon containers, heavy equipment/machinery, gas cylinders, and automotive batteries, at various locations throughout the subject property. Generally poor housekeeping was also noted at the subject property, and areas of staining on the ground surface were previously identified. In addition, soils from unknown sources have been imported onto the subject property at various times in the past.

This finding is considered a recognized environmental condition because there is evidence of past chemical/petroleum releases, and a potential for contaminants from the waste items and imported soils to have impacted the subject property. Therefore, FAI recommends the proper removal and disposal of the waste items, followed by a soils investigation in the areas of former wastes/imported soils to assess potential impacts to the subject property.

This Assessment has also revealed the following environmental conditions, which are not considered recognized environmental conditions, as defined by ASTM, but may be considered business environmental risks:

• Former Agricultural Use – Based on a review of historical aerial photographs, tax assessment records, and other documents, the subject property was formerly used as agricultural land for sugar cane cultivation. Use of agricultural chemicals such as pesticides and herbicides on agricultural crops may be an environmental concern; however, no evidence of pesticide/herbicide mixing or storage areas or releases of pesticides and herbicides was identified on the former agricultural field areas of the subject property.

The HDOH *TGM* for the Implementation of the State Contingency Plan Interim Final, dated 2023, recommends that sites where pesticides were regularly applied, be evaluated for residual contamination prior to re-development.

This finding is not considered a recognized environmental condition because there is no evidence of storage, mixing, or excessive application of agricultural chemicals on the former agricultural field areas at the subject property. However, there is a potential that agricultural chemicals exist in the soil at concentrations above the HDOH action levels. If soil is to be excavated and/or removed from the subject property in the future, FAI recommends conducting multi-increment soil sampling with laboratory analyses for agricultural chemicals of concern prior to disturbance of the soil.

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Onsite Suspect Asbestos-Containing Materials (ACM) — No permanent structures with suspect ACM were observed at the subject property during FAI's site visit, except for the single-family house and carport located at the southwest edge of the subject property, along Old Fort Weaver Road. According to DPP records this house was originally constructed in 1919, and therefore, may include ACM. Although FAI was unable to access and inspect the interior of the house during their site visit, it may include suspect ACM such as gypsum wall/ceiling board with joint tape/compound, spray-applied acoustical ceiling plaster, flooring materials, caulking/sealant, and/or roofing materials.

It should also be noted that, according to a previous Phase I ESA report on the subject property, on-site demolition rubble was reportedly used to fill in the cesspool associated with the former slaughterhouse. This demolition rubble may include suspect ACM.

This finding is not considered a recognized environmental condition because ACM in buildings is not considered an ASTM issue. Also, the former slaughterhouse cesspool may include suspect ACM; therefore, any future excavation activities in the vicinity of the former cesspool should be closely monitored for evidence of suspect ACM.

FAI recommends that, prior to any activities (i.e., repair, renovation, demolition) which may disturb suspect ACM, these and similar materials should be sampled and analyzed for possible asbestos content. If the materials are found to contain asbestos, the building owner or leased space tenant may be required to comply with applicable United States Environmental Protection Agency (USEPA), Occupational Safety and Health Administration (OSHA), National Emission Standards for Hazardous Air Pollutants (NESHAPS), and state and local regulations.

• Onsite Suspect Lead-Based Paint (LBP) – LBP was commonly used for corrosion protection in the 1960s, and in prime, intermediate, and finish coats well into the 1970s. The single-family house and carport located at the southwest edge of the subject property was originally constructed in 1919, and therefore, may include LBP.

This finding is not considered a recognized environmental condition because LBP in buildings is not considered an ASTM issue. However, FAI recommends that, prior to any activities (i.e., repair, renovation, demolition) which may disturb painted building surfaces, sampling of untested paints should be conducted to determine the presence or absence of lead in the painted surfaces. If lead is identified in the paints, USEPA and OSHA regulations should be followed when disturbing the paints (i.e., sanding, drilling, grinding, or removing paint).

Onsite Fluorescent Light Ballasts with Polychlorinated Biphenyls (PCBs) - The single-family
house and carport located at the southwest edge of the subject property was originally
constructed in 1919, and therefore, may include fluorescent light fixtures with PCB ballasts.

This finding is not considered a recognized environmental condition because PCB light ballasts are considered a *de minimis* environmental issue. However, if fluorescent light ballasts are present in the house, they should be inspected for "No PCBs" labels prior to planned

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renovation/demolition activities involving the removal of fluorescent light fixtures. If the ballasts are not labeled, these units must be disposed of at an approved PCB waste facility.



1.0 INTRODUCTION

Ku'ai Halewai, LLC retained Ford & Associates, Inc. (FAI) to conduct a Phase I Environmental Site Assessment (Phase I ESA or assessment) of the 22.734-acre property located at 91-2002 Fort Weaver Road (Tax Map Key Number [TMK]: [1] 9-1-181: Parcels 031 and 037) in Ewa Beach, Oahu, Hawaii (the "subject property"). The objective of the Phase I ESA was to provide an independent, professional opinion regarding recognized environmental conditions, as defined by ASTM International (ASTM), associated with the subject property. This Phase I ESA was requested in association with an acquisition.

1.1 PURPOSE

The purpose of the assessment is to follow ASTM Practice E1527-21 (ASTM E1527-21), which defines good commercial and customary practice in the United States of America for conducting an environmental assessment of a parcel of commercial real estate with respect to the range of contaminants within the scope of the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) (42 U.S.C. [United States Code] § 9601) and petroleum products. As such, this practice is intended to permit a user to satisfy one of the requirements to qualify for the innocent landowner, contiguous property owner, or bona fide prospective purchaser limitations on CERCLA liability (hereinafter, the "landowner liability protections," or "LLPs"): that is, the practice that constitutes all appropriate inquiries into the previous ownership and uses of the property consistent with good commercial and customary standards and practices as defined at 42 U.S.C. § 9601(35)(B).

The primary purpose of the Phase I ESA is to identify (1) recognized environmental conditions, (2) controlled recognized environmental conditions, and/or (3) historical recognized environmental conditions. These terms are summarized as follows:

- The term "recognized environmental condition" means the presence or likely presence of any hazardous substances or petroleum products in, on, or at the subject property (1) due to a release to the environment, (2) due to a release or likely release to the environment, or (3) under conditions that pose a material threat of a future release to the environment. *De minimis* conditions are those conditions, related to a release, that generally do not present a threat to human health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies. A *de minimis* condition is not a recognized environmental condition nor a controlled recognized environmental condition.
- The term "controlled recognized environmental condition" means a recognized environmental
 condition affecting the subject property that has been addressed to the satisfaction of the
 applicable regulatory authority or authorities with hazardous substances or petroleum products
 allowed to remain in place subject to implementation of required controls (for example, activity
 and use limitations, or other property use limitations).
- The term "historical recognized environmental condition" means a previous release of hazardous substances or petroleum products affecting the subject property that has been addressed to the satisfaction of the applicable regulatory authority or authorities and meeting

unrestricted use criteria established by the applicable regulatory authority or authorities, without subjecting the subject property to any controls (for example, activity and use limitations or other property use limitations). A historical recognized environmental condition is not a recognized environmental condition.

1.2 SCOPE OF WORK

FAI performed this Phase I ESA under the conditions of, and in accordance with FAI Proposal Number 25P-3733, dated April 29, 2025, and ASTM Practice E1527-21, Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process as a guideline. ASTM Practice E 1527-21 constitutes "all appropriate inquiry (AAI)" into the previous ownership and uses of a property consistent with "good commercial and customary standards and practices" as defined at 42 U.S.C. §9601(35)(B). This practice also permits the user to satisfy one of the requirements to qualify for "LLPs" under CERCLA.

This assessment included the following components:

- Investigate historical use(s) of the subject property and adjacent/adjoining properties through
 reasonably ascertainable historical information, such as aerial photographs, fire insurance maps,
 land use maps, city directories, and/or agency records for evidence of prior land use that could
 have led to recognized environmental conditions.
- Review available information on general geology and topography of the subject property, local
 groundwater conditions, sources of water, power, and sewer, and proximity to ecologically
 sensitive receptors, such as streams, that might be impacted by recognized environmental
 conditions, controlled recognized environmental conditions, and environmental issues.
- Review environmental records available from the property owner, current lessee, or site contact
 including regulatory agency reports, permits, registrations, and consultants' reports for evidence
 of recognized environmental conditions and activity and use limitations (AULs).
- Interview, or attempt to interview, the subject property owner, current lessee, current lessee's operations personnel, key site personnel, and others, regarding current and previous uses of the property, particularly activities involving hazardous substances and petroleum products.
- Conduct an onsite reconnaissance of the subject property for visual evidence of recognized environmental conditions, controlled recognized environmental conditions, and historical recognized environmental conditions, including:
 - Existing or potential soil and water contamination, as evidenced by soil or pavement staining or discoloration, stressed vegetation, or indications of waste dumping or burial
 - o Pits, ponds, or lagoons
 - Containers of hazardous substances or petroleum products

- Electrical and hydraulic equipment that may contain polychlorinated biphenyls (PCBs), such as electrical transformers and hydraulic hoists
- Underground and aboveground storage tanks (USTs and ASTs, respectively)
- Perform a site property line visual assessment of adjacent properties for evidence of potential offsite environmental conditions that may affect the subject property.
- Review a commercial database summary of federal and state and tribal regulatory agency records pertinent to the subject property and offsite facilities located within ASTM-specified search distances from the subject property.
- As part of the Phase I ESA, conduct Vapor Encroachment Screening to assess the potential for chemical and petroleum hydrocarbon vapor impacts to the subject property from onsite and offsite sources, in accordance with the ASTM E2600-22 Standard.
- Prepare this written report, including our findings and conclusions.

FAI representative Mr. Tim Swartz, Senior Project Manager and Environmental Professional as defined in §312.10 of 40 Code of Federal Regulations (CFR) 312 (see Section 11.0), conducted the site reconnaissance portion of the assessment on October 10, 2025, unaccompanied. FAI initially met with Mr. Christian O'Connor of Ku'ai Halewai, LLC, who introduced FAI to Mr. Bruce St. Germaine of Drill Pro Company, a lessee at the subject property.

Copies of selected relevant documents and supporting information are included in the applicable appendices. Resumes for assessors and Environmental Professionals involved in this assessment are included in Appendix A. The Subject Property Location Map and Subject Property Vicinity Map are included behind the *Figures* Tab. Photographs taken at the time of the walkthrough are included behind the *Photographs* Tab.

1.3 LIMITING CONDITIONS AND EXCEPTIONS OF THE ASSESSMENT

Information obtained for this assessment from resources (listed in the appendices), to the extent it was relied on to form our opinion, is assumed to be correct and complete. FAI is not responsible for the quality or content of information from these resources.

1.3.1 Unavailable Documentation

The requested documents regarding the subject property were made available for review during this assessment.

1.3.2 Data Gaps

The ASTM Practice indicates that all obvious uses of the subject property shall be identified from the present, back to the subject property's first developed use, or back to 1940, whichever is earlier. Any

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significant "data gaps" which affect the ability of the Environmental Professional to identify recognized environmental conditions shall be noted.

Historical subject property ownership and/or use information was obtained for the time period, 1928 to present. Based on this information, FAI has established the history of uses of the subject property since 1940 or first development, whichever is earlier.

In addition, this Phase I ESA report contains data gaps due to the lack of historical records at five-year intervals. However, based on the available information gathered during this assessment, lack of additional historical information does not appear to be a significant data gap.

1.3.3 Lack of Access/ Reconnaissance Limitations

FAI did not encounter significant access or reconnaissance limitations at the subject property, except that FAI was unable to observe all areas of the subject property due to the heavy vegetation, limited access, and the large size of the subject property. However, based on the site visit and information obtained during this assessment, lack of access to the entire area of the subject property did not prevent an evaluation of the subject property with respect to identifying evidence of recognized environmental conditions.

1.4 RELIANCE

The information and opinions rendered in this report are exclusively for use by Ku'ai Halewai, LLC. FAI will not distribute or publish this report without consent except as required by law or court order. The information and opinions expressed in this report are given in response to a limited assignment and should be considered and implemented only in light of that assignment. The services provided by FAI in completing this project were consistent with normal standards of the profession. No other warranty, expressed or implied, is made.



2.0 USER PROVIDED INFORMATION

ASTM E1527-21 defines "User" as the party seeking to use Practice E1527 to complete a Phase I ESA of the subject property. ASTM E1527-21 specifies that certain tasks associated with identifying potential recognized environmental conditions at the subject property should be performed by the User and provided to the Environmental Professional (i.e., User's Responsibilities). FAI understands that Ku'ai Halewai, LLC is the User as defined by ASTM E1527-21, and have provided the User a questionnaire, requesting specific information.

The User Questionnaire included requests for information on the following:

- (1) Environmental liens and AULs that are filed or recorded against the property
- (2) "Specialized knowledge" of the User
- (3) Relationship of the purchase price to the fair market value of the property if it were not contaminated
- (4) Commonly known or reasonable ascertainable information
- (5) The degree of obviousness of the presence or likely presence of contamination at the property, and the ability to detect the contamination by appropriate investigation
- (6) The presence of Proceedings Involving the Property (e.g., litigation, regulatory agency rulings, violations)
- (7) The reason for performing the Phase I ESA
- (8) Other information/documents (e.g., site plan, ALTA survey)

Based on FAI's review of the User provided information, no evidence of recognized environmental conditions at the subject property was noted. The completed User Questionnaire is included in Appendix B.



3.0 SUBJECT PROPERTY DESCRIPTION

3.1 SUBJECT PROPERTY LOCATION AND CURRENT USE

The subject property is located at 91-2002 Fort Weaver Road in Ewa Beach, just northwest of the intersection of Fort Weaver Road and Old Fort Weaver Road. It is comprised of two contiguous parcels covering approximately 22.734 acres of land area, and is mostly vegetated and undeveloped except for a single residential building and an area leased to the drilling contractor, Drill Pro Company, which uses the central portion of the subject property as a base yard. The base yard includes a few make-shift canopy structures, sheds, shipping containers, trailers, a chicken coop, various pieces of heavy equipment (i.e., backhoe, excavator, and forklift), scrap metal, and a nearby apiary with beehive boxes.

The City and County of Honolulu Department of Planning and Permitting (DPP) database lists the subject property as the two land parcels designated as TMKs: (1) 9-1-181: Parcels 031 and 037. Parcel 031 is approximately 3.389 acres in area, and Parcel 031 is approximately 19.35 acres in area.

The DPP database indicates that Parcel 031 of the subject property is currently zoned "R-5 Residential District," and Parcel 037 of the subject property is currently zoned both "R-5 Residential District" and "AG-2 General Agricultural District." The City and County of Honolulu Real Property Assessment Division database lists the Property Tax Class for Parcel 031 is "Residential A," and the Property Tax Classes for Parcel 037 include "Vacant Agricultural," "Residential," and "Agricultural."

3.2 CURRENT USES OF ADJOINING AND NEARBY PROPERTIES

The areas surrounding the subject property consist primarily of residential properties, a golf course, and a Humane Society. The adjoining and nearby properties were observed from the subject property, and are listed below:

North: West Loch Golf Course and residential properties

Northeast: Fort Weaver Road, beyond which is the West Loch Golf Course

East: Fort Weaver Road, beyond which is the West Loch Fairways residential development

<u>Southeast</u>: Intersection of Fort Weaver Road and Old Fort Weaver Road, beyond which the West Loch Fairways residential development

<u>South</u>: Old Fort Weaver Road, beyond which is the Hawaiian Humane Society Kosasa Family Campus at Ho'opili

Southwest: Old Fort Weaver Road, beyond which is agricultural land

West: Old Fort Weaver Road, beyond which is agricultural land

Northwest: Old Fort Weaver Road, beyond which is agricultural land

3.3 PHYSICAL SETTING

General information on the physical setting of the subject property was assessed through visual observations, and review of the following documents: (1) United States Geological Survey (USGS) topographic maps, (2) soil survey information, and (3) aquifer identification information. The physical setting is described below:

- **Soil:** Honouliuli clay 0 to 2 percent slopes on the south-central, western, and east-central portions (approximately 45%), Kaloko clay 0 to 2 percent slopes, noncalcareous variant on the southeast portion (approximately 3.5%), and Pearl Harbor clay 0 to 2 percent slopes, MLRA 163 on the central and northeast portions (approximately 51.5%) of the subject property (United States Department of Agriculture [USDA] Soil Conservation Service, 2014)
- **Elevation:** Ranging from approximately 10 to 30 feet above mean sea level (USGS, Ewa Quadrangle, 2017)
- **Estimated Depth to Shallow Groundwater:** Ranging from approximately 5 to 25 feet (USGS, Ewa Quadrangle, 2017)
- **Estimated Shallow Groundwater Flow Direction:** South, toward the Pacific Ocean (USGS Ewa Quadrangle, 2017)
- Nearby Surface Water/ Drainage Features: Unlined drainage channel extending through the
 northeast portion of the subject property, and the West Loch of Pearl Harbor, located approximately
 1,800 feet east of the subject property (USGS Ewa Quadrangle, 2017)

The Aquifer Identification and Classification for Oahu: Groundwater Protection Strategy for Hawaii (Mink, J.F. and L.S. Lau, 1990), published by the Water Resources Research Center at the University of Hawaii, was reviewed for information on groundwater conditions below the subject property. The report describes the upper and lower aquifers below the subject property as part of the Waipahu Aquifer System within the Pearl Harbor Aquifer Sector, on the Island of Oahu.

The upper aquifer is an unconfined basal aquifer of the sedimentary type, found in nonvolcanic lithology. The aquifer is currently used and is considered ecologically important, although it is not used as a drinking water source. The salinity is low (between 250 to 1,000 milligrams of chloride per liter of water [mg/L Cl-]). This upper aquifer is considered irreplaceable and highly vulnerable to contamination.

The lower aquifer is a confined basal aquifer of the flank type, found in horizontally extensive lavas. It is currently used and is considered ecologically important, although it is not used as a drinking water source. The salinity is low (between 250 to 1,000 mg/L Cl-). This lower aquifer is considered irreplaceable and moderately vulnerable to contamination.

The subject property is located above the State of Hawaii Department of Health (HDOH) defined Underground Injection Control (UIC) line. Areas above the UIC line denote potential underground drinking water sources. Areas below the UIC line generally denote groundwater that is unsuitable for drinking water purposes. Although the subject property is located above the UIC line, the groundwater below the subject property is not considered a potential drinking water source based on the Mink and Lau report referenced above.

The subsurface conditions under the subject property are interpreted from available data and may vary. Estimated groundwater flow direction is based on topography and nearby water features unless otherwise noted. Topography is not always a reliable basis for predicting groundwater flow direction. The local groundwater gradient under the subject property may be influenced naturally by zones of higher or lower permeability, or artificially by nearby pumping or recharge, and may deviate from the regional trend.



4.0 HISTORICAL USE INFORMATION REVIEW

A review of available historical and related information was performed. This included a review of ASTM Standard Historical Resources, Agency/Department records/personnel interviews and other documents.

4.1 SUMMARY OF HISTORICAL USE

The following historical use summary incorporates information obtained from maps, aerial photographs, land title records, government agencies, interviews, and other components of the assessment process.

The historical research presented in this assessment has established the use of the subject property since 1928. In addition, information on historic uses of adjoining properties was also obtained. A chronological summary of the historic uses of the subject and adjoining/nearby properties is presented below.

The earliest available topographic map, from 1928, shows approximately 17 small- to medium-size structures within the subject property boundaries, located along roadways at the southern and western boundaries of the subject property. A larger building is shown at the northwest corner of the subject property, with a portion of the building extending offsite. The 1953 topographic map shows approximately 19 small structures (likely houses) on the southern and western portions of the subject property.

The two earliest available aerial photographs, dated 1962 and 1968, show the subject property as partially developed land with some portions shown as agricultural sugar cane crops. Groups of small structures (likely houses) surrounded by trees appear on the south-central and west-central portions of the subject property. A narrow waterway extends through the center of the subject property in a roughly north-south direction. The 1972 aerial photograph shows a roughly rectangular area that appears as a body of water at the northeast corner of the subject property. Subsequent aerial photographs dated from 1992 to 2005 show the subject property developed with more small structures and what appear as shipping containers and trucks/vehicles. Aerial photographs dated from 2006 to 2008 show most of the buildings were cleared from the property, with an increase in trees and other vegetation throughout the subject property. Aerial photographs dated from 2011 to 2025 show several structures on the central portion of the subject property where the current Drill Pro Company base yard is located.

A previous Phase I ESA report prepared in 2005 includes historical information about the subject property, indicating that Hawaii Land and Railroad Company sub-leased the subject property from Ewa Plantation Company and opened a slaughterhouse facility in the 1930s or 1940s. Kahua Meat began its slaughterhouse and meat packing operations on the subject property in the 1940s or 1950s. Farmer Livestock Cooperative took over the slaughterhouse, which included an on-site settling pond, in the 1990s, and the slaughterhouse ceased operations in 2004. The settling pond was also filled in/closed in 2004. Other past uses of the subject property included a retail plant nursery operation, equipment storage facilities for commercial tenants, a shave ice and grocery store, and residences.

Past sub-lessees at the subject property between 1995 and 2005 included Alana Trucking, Hawaii Seal Coating, VIP Sanitation, and Western Engineering. Alana Trucking parked hauling trucks on the subject property, but was not allowed to store rock and dirt at the subject property. Hawaii Seal Coating, an asphalt paving contractor, stored equipment at and dispatched workers from the subject property. VIP Sanitation stored portable toilets at the subject property. Western Engineering, a construction company, stored equipment at the subject property.

Available records at the City and County of Honolulu Real Property Tax Office indicate that the subject property is comprised of two contiguous land parcels designated as TMKs: (1) 9-1-181: Parcels 031 and 037. Parcel 031 was created from a portion of TMK: (1) 9-1-017: Parcel 041 in 2008, and Parcel 037 was created from a portion of TMK: (1) 9-1-017: Parcel 012 in 2020, with the Roman Catholic Church listed as the owner of both parcels. The earliest available records, from 1948 and 1951, indicate that the land was owned by the James Campbell Trust Estate. Past lessees and sub-lessees of the land included Ewa Plantation Co., Kahua Meat Co., Ltd., Oahu Sugar Co., Farmer Livestock Coop, and Sui Sin Tai. Past landowners include the United States of America and Aina Nui Corporation.

4.2 USGS TOPOGRAPHIC MAPS

Historic topographic maps for the subject property and vicinity were reviewed from Environmental Data Resources, Inc. (EDR) and from FAI's private collection for the years 1928, 1953, 1962, 1968, 1970, 1983, 1998, 2013, and 2017. Topographic maps provided by EDR are included in Appendix C. Key findings noted during this review are as follows:

 The earliest available topographic map, from 1928, shows approximately 17 small- to mediumsize structures within the subject property boundaries, located along roadways at the southern and western boundaries of the subject property. A larger building is shown at the northwest corner of the subject property, with a portion of the building extending offsite. The remainder of the subject property appears as undeveloped land.

Railroads and various small structures are depicted to the east and west of the subject property. Vegetated portions of the subject property are shaded green. The general area is labeled "Honouliuli."

- The 1953 topographic map appears similar to the 1928 map, except approximately 19 small structures (likely houses) appear on the southern and western portions of the subject property, and the large building is no longer shown at the northwest corner of the subject property. A narrow waterway extends into the north-central portion of the subject property in a roughly north-south direction. The roadway along the west side of the subject property is labeled "Fort Weaver Road." Increased development is depicted on the adjoining and outlying areas.
- The topographic maps dated from 1962 to 1970 appear similar and show no significant changes to the subject property, except a medium-size building has been added to the south-central portion of the subject property on the 1962 and 1968 maps. The areas shaded green, denoting vegetation, cover more of the subject property.

- The 1983 topographic map shows no significant changes, except only 11 small structures and one medium-size building are depicted on the subject property, and the green shading shown on earlier maps is no longer depicted.
- The 1998 topographic map shows approximately 14 small buildings at various locations throughout the subject property. The roadway along the west side of the subject property is no longer labeled, and a multi-lane roadway labeled "Fort Weaver Road" is shown along the east side of the subject property. The north adjoining property includes two small ponds and is labeled "Golf Course." The north-northwest adjoining area includes numerous small structures (likely houses).
- The 2013 and 2017 topographic maps show no significant changes, except no structures are depicted on these maps, which is typical of the 2013/2017 USGS topographic maps. The roadway along the west side of the subject property is labeled "Old Fort Weaver Road."

4.3 AERIAL PHOTOGRAPHS

Aerial photographs, including the subject and adjoining properties, were reviewed from EDR and Google Earth™. Photographs taken in the years 1962, 1968, 1972, 1992, 2001, 2002, 2004, 2005, 2006, 2007, 2008, 2011, 2013, 2014, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, and 2025 were reviewed. Aerial photographs provided by EDR are included in Appendix D. Key findings noted during this review are as follows:

• The two earliest available aerial photographs, dated 1962 and 1968, appear similar and show the subject property as partially developed land with some portions shown as agricultural sugar cane crops. Groups of small structures (likely houses) surrounded by trees appear on the south-central and west-central portions of the subject property. A narrow waterway extends through the center of the subject property in a roughly north-south direction. The easternmost portion of the subject property is covered with trees and other vegetation. Roadways extend alongside the southern and western boundaries of the subject property.

The north-northwest adjoining area appears with several small structures (likely houses), and the other adjoining areas appear as agricultural land with sugar cane crops or as undeveloped, heavily vegetated land.

- The aerial photograph dated 1972 appears similar to the 1968 photograph, except a roughly rectangular area that appears as a body of water is shown at the northeast corner of the subject property.
- The 1992 aerial photograph shows the subject property developed with several more small buildings and a cleared area on the central portion. A multi-lane roadway is depicted along the eastern edge of the subject property with the current residential development located further east. A golf course is shown on the north adjoining property, and the west and south adjoining areas still appear as agricultural land. It should be noted, however, that details are difficult to discern due to the poor quality of this aerial photograph.

- The aerial photographs dated from 2001 to 2005 show the subject property further developed with several more small structures and what appear as shipping containers and trucks/vehicles throughout the central and eastern portions of the property. One rectangular building is shown along the western edge of the subject property, and the remainder of the western area is heavily vegetated. No significant changes appear on the adjoining areas, except the west adjoining area appears with small plots of agricultural crops.
- In the aerial photographs dated from 2006 to 2008, most of the buildings shown in the previous photographs were cleared from the property, with an increase in trees and other vegetation throughout the subject property. The only readily apparent structures are the rectangular building along the western edge of the subject property, and the current single-family house with carport at the southwest edge of the subject property. A group of shipping containers or similar items appears on the northeast portion of the subject property. No significant changes appear on the adjoining areas.
- The remaining aerial photographs, dated from 2011 to 2025, appear similar and show several
 structures on the central portion of the subject property where the current Drill Pro Company
 base yard is located. The only other development shown is the current single-family house with
 carport at the southwest edge of the subject property. The remainder of the subject property is
 covered with trees and other vegetation.

4.4 FIRE INSURANCE MAPS

Fire insurance maps typically depict either the locations of manufacturing and industrial facilities within the city limits or potential hazards existing within individual building structures. In many cases, evidence of environmental concern, such as locations of USTs, can be found by reviewing fire insurance maps.

FAI requested available Sanborn Fire Insurance Maps from EDR. However, fire insurance maps covering the subject and adjoining properties were not available for review. EDR provided a report identifying the subject property as an Unmapped Property, and the report is included in Appendix E.

4.5 RECORDED LAND TITLE RECORDS

Information provided to FAI by the User with respect to environmental liens or AULs was discussed in Section 3.0. The ASTM Standard recommends that the User retain a title company or title professional to provide recorded land title records.

As part of this assessment, FAI attempted to obtain reasonably ascertainable recorded land title records and lien records that are filed under federal, state, tribal, or local law. This work is generally limited to a review of these records for the presence of environmental liens and AULs. FAI was provided a Title Report prepared by Title Guaranty of Hawaii, LLC, dated October 27, 2025, which is included in Appendix F. FAI's review of the land title records did not reveal environmental liens or AULs associated with the subject property.

According to available records at the City and County of Honolulu Real Property Tax Assessment Office, the subject property is designated as TMKs: (1) 9-1-181: Parcels 031 and 037. Available historical ownership and lease records for the current and former parcels are summarized in the following table:

Parcel	Year	Property Transaction
TMK: (1) 9-1-181:	2008	Earliest available record, indicating the parcel was created from
Parcel 031		a portion of TMK: (1) 9-1-017: Parcel 041 (see records below)
		with the Roman Catholic Church listed as the owner.
TMK: (1) 9-1-017:	1962	Earliest available record, indicating the parcel was created from
Parcel 041		a portion of TMK: (1) 9-1-017: Parcel 006 (see records below)
		with the owner listed as the James Campbell Trust Estate, the
		lessee listed as Ewa Plantation Co., and the sub-lessee listed as
		Kahua Meat Co., Ltd.
	1978	Ewa Plantation Co. assigned their lease to Oahu Sugar Co.
	1994	Sublease issued to Farmer Livestock Coop.
	2002	Parcel deeded to Aina Nui Corporation.
	2007	Parcel deeded to the Roman Catholic Church.
TMK: (1) 9-1-017:	1951	Earliest available record, indicating the parcel was owned by
Parcel 006		the James Campbell Trust Estate, with a lease issued to Ewa
		Plantation Co.
TMK: (1) 9-1-181:	2020	Earliest available record, indicating the parcel was created from
Parcel 037		a portion of TMK: (1) 9-1-017: Parcel 012 (see records below)
		with the Roman Catholic Church listed as the owner.
TMK: (1) 9-1-017:	1948	Earliest available record, indicating the parcel was owned by
Parcel 012		the James Campbell Trust Estate, with a lease issued to Sui Sin
		Tai.
	1949	Parcel deeded to the United States of America.
	1988	Roman Catholic Church listed as the owner of this parcel.

The ownership/lease records indicate the subject property was part of land previously owned by the James Campbell Trust Estate and leased to the Ewa Plantation Company and Oahu Sugar Co., which are agricultural companies that farmed sugar cane throughout the area. This past agricultural use is considered an environmental concern due to the potential for past releases of chemicals such as herbicides and pesticides associated with agricultural activities.

4.6 CITY DIRECTORY

A city directory provides names of former businesses and occupants of the subject property, which may indicate potential environmental concerns associated with the business. A city directory report was provided by EDR, and is included in Appendix G. The report includes records from 1950, 1957, 1962, 1974, 1992, 1995, 2000, 2005, 2010, 2017, and 2022.

The city directory report was reviewed to identify facilities at the subject property address, and facilities of potential environmental concern on the adjoining properties. The report does not include any listings

for the adjoining properties. A summary of the listings for businesses at the subject property is presented in the following table:

Year	Address	Business/Occupant
1995	91-2002 Fort Weaver Road	Kahua Meat Co. Ltd., Kahua Nursery & Landscape, Kahua
	(subject property)	Ranch Ltd., Stephen Mokulehua
2000	91-2002 Fort Weaver Road	Farmers Livestock Cooperative, Kahua Nursery & Landscape,
	(subject property)	Ponoholo Ranch Limited, Second City Property Management
2005	91-2002 Fort Weaver Road	Hawaiian Earth Products Ltd., Ponoholo Office Keheua
	(subject property)	

No businesses of environmental concern were identified at the subject property in the city directory report.

4.7 AGENCY CONTACTS

4.7.1 Building, Planning, and/or Zoning Departments

The City and County of Honolulu DPP database was reviewed to obtain historical use information for the subject property, which is the two contiguous land parcels designated as TMKs: (1) 9-1-181: Parcels 031 and 037. The DPP database indicates that Parcel 031 of the subject property is currently zoned "R-5 Residential District," and Parcel 037 of the subject property is currently zoned both "R-5 Residential District" and "AG-2 General Agricultural District." The City and County of Honolulu Real Property Assessment Division database lists the Property Tax Class for Parcel 031 is "Residential A," and the Property Tax Classes for Parcel 037 include "Vacant Agricultural;" "Residential;" and "Agricultural."

The DPP database does not include building permits for the subject property, except for one demolition permit issued for Parcel 031 of the subject property, dated September 12, 2011. However, the DPP database does indicate that four structures were constructed on Parcel 037 of the subject property, including a 3-bedroom/1-bathroom single-family house built in 1919, a carport with open gravel floor built in 1988, and a frame utility shed and wood fence built in 1991.

4.7.2 Fire Department

The Honolulu Fire Department (HFD) was contacted on October 1, 2025, to obtain information regarding any fires, complaints, permits, or violations involving hazardous material use, USTs, or ASTs on record for the subject property.

FAI received an e-mail response from the HFD on October 23, 2025, indicating that they have no records of USTs or ASTs at the subject property. The HFD does have records of a vehicle accident with general cleanup at the subject property on May 4, 2002, and a passenger vehicle fire at the subject property on June 17, 2005. No incidents involving releases of hazardous materials were identified in the HFD records.



4.7.3 Department of Health, Solid and Hazardous Waste Branch (SHWB)

The HDOH SHWB UST and Leaking UST (LUST) databases were reviewed to obtain information regarding any USTs or LUSTs at the subject property or adjoining properties.

The subject property and adjoining/nearby properties were not listed in the SHWB databases of USTs and LUST sites.

4.7.4 Department of Health, Hazard Evaluation and Emergency Response (HEER) Office

The HDOH HEER Office Release Notification database was reviewed to obtain information regarding any spills or other environmental incidents, which may have occurred at the subject property or adjoining properties.

The subject property and adjoining/nearby properties were not listed in the HEER database of reported releases.

4.8 PREVIOUS ENVIRONMENTAL REPORTS

No previous environmental reports on the subject property were made available for this Phase I ESA, except for the following:

 Phase I Environmental Site Assessment, Tax Map Key (1) 9-1-17: Parcels 010 and 041, Ewa Beach, Oahu, Hawaii, prepared by Belt Collins Hawaii Ltd., dated March 22, 2007

This Phase I ESA report was prepared for the Roman Catholic Church in the State of Hawaii in 2007, and at that time the subject property was designated as TMKs: (1) 9-1-17: Parcels 10 and 41. The majority of the subject property was vacant and overgrown with vegetation, and included a shave ice and grocery store which was no longer in business. An abandoned storage container was located in thick vegetation south of the shave ice and grocery store. The subject property also included a residence with month-to-month tenants.

Based on interviews conducted for this Phase I ESA, the following historical information about the subject property was obtained:

- ➤ The subject property was leased to Kahua Meat from the mid-1900s until 2005. Farmers Livestock Cooperative also leased a portion of the subject property from the 1990s until 2005.
- Past uses of the subject property include: a meat slaughterhouse and packing plant that used an on-site settling pond; a retail plant nursery operation; equipment storage facilities for commercial tenants; a shave ice and grocery store; and residences.

- ➤ Hawaii Land and Railroad Company sub-leased the subject property from Ewa Plantation Company and opened a slaughterhouse facility in the 1930s or 1940s. The prior use of the subject property by Ewa Plantation Company was not identified.
- Kahua Meat began its slaughterhouse and meat packing operations on the subject property in the 1940s or 1950s. Farmer Livestock Cooperative took over the slaughterhouse facility from Kahua Meat in the 1990s. Both cattle and pigs were slaughtered at the subject property until slaughterhouse operations ceased in 2004. Horses, and occasionally a few cattle or sheep, were kept in stables located next to the slaughterhouse.
- Ocean Arks International, an engineering firm, conducted a wastewater treatment demonstration project in association with the Farmer Livestock Cooperative slaughterhouse. Wastewater from the slaughterhouse operations was pumped into a treatment tank that was temporarily located at the subject property.
- ➤ Kahua Nursery cultivated plants and operated a retail store on the subject property from 1990 until 2003.
- The following sub-lessees (past occupants) were present on the subject property for various time periods between 1995 and 2005: Alana Trucking, Hawaii Seal Coating, VIP Sanitation, and Western Engineering. Alana Trucking parked hauling trucks on the subject property, but was not allowed to store rock and dirt at the subject property. Hawaii Seal Coating, an asphalt paving contractor, stored equipment at and dispatched workers from the subject property. VIP Sanitation stored portable toilets at the subject property. Western Engineering, a construction company, stored equipment at the subject property.
- An AST used by the slaughterhouse for diesel storage was removed from the subject property in 1997. There were no reportable incidents associated with the diesel AST.
- A concrete septic tank used by Kahua Nursery was installed south of the waste settling pond in the mid-1990s. A single toilet was connected to the septic tank which received only domestic wastewater. The contents of the septic tank were pumped out prior to its removal in 2005.
- A cesspool formerly located near the slaughterhouse facility was filled with on-site demolition rubble during the decommissioning, dismantling, and demolition activities in 2005.
- Fill material brought on the Property by Family Topsoil was used to level the ground surface circa 1990. The sources of the fill material were not identified.
- The former waste settling pond occupied an area of approximately 1.5 acres in the northeastern corner of the subject property. The closure of the settling pond was

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carried out by the Farmer Livestock Cooperative in 2004. The settling pond was filled with soil brought to the subject property by Pineridge Farms. The HDOH reportedly issued a letter of approval for the settling pond closure.

This Phase I ESA report identified the following findings and conclusions for the subject property:

- Several areas of staining on the ground surface in association with numerous containers of hazardous substances and petroleum products were previously observed on the subject property, as noted in a previous Phase I ESA conducted in 2005. Although cleanup of the site may not have required regulatory oversight, the stained soil was reportedly removed and, therefore, this finding was considered a historical recognized environmental condition.
- Two discarded automotive batteries, a refrigerator, and an empty, unlabeled five-gallon container were observed in the vicinity of the shave ice and grocery store. The discarded items were observed to be in good condition with no evidence of damage or leaks. In their current condition, these items did not represent a material threat of release, and, therefore, were not considered recognized environmental conditions.
- A sewage odor was noted near the location of the Kahua Nursery septic tank that was removed in 2005. Since the septic tank was used for domestic wastewater only, the former septic tank and odor were not considered recognized environmental conditions.
- Several areas of the subject property appeared as though fill material was used to create an even ground surface. According to the site contact, soils of unknown origin were brought to the subject property by Family Topsoil. Because the source of the soil was unidentified, there was insufficient information to determine if this fill material represented a recognized environmental condition.
- Fill material was observed in the location of the former waste settling pond. The site contact reported that soil was brought to the subject property by Pineridge Farms and that the HDOH issued a letter of approval for the closure of the settling pond. Pineridge Farms confirmed that the soil used to fill in the settling pond was uncontaminated. Therefore, the settling pond and fill material were not considered recognized environmental conditions.
- > Two soil mounds of unknown origin were observed on the subject property. Because the source of the soils was unidentified, there was insufficient information to determine if these soils represented a recognized environmental condition.
- On-site demolition rubble was reportedly used to fill in the former slaughterhouse cesspool. Because the contents of the demolished building materials were unknown, there was insufficient information to determine if the cesspool fill material represented a recognized environmental condition.

This Phase I ESA report concluded that no evidence of recognized environmental conditions was identified in connection with the subject property, except for a historical recognized environmental condition on the subject property associated with stained surface soil. However, there was insufficient information available to evaluate whether several of the findings would be considered recognized environmental conditions, and the conclusions were limited by data gaps.

 Phase I Environmental Site Assessment, Old Fort Weaver Road, 91-2002 Fort Weaver Road, Ewa Beach, Hawaii, TMK Nos. (1) 9-1-181: 031 & 037, prepared by Environmental Science International (ESI), dated June 1, 2023 (ESI Project No. 123017)

This Phase I ESA report was prepared for Stanford Carr Development, LLC in 2023, and at that time the subject property was designated as the current TMK numbers (TMKs: [1] 9-1-181: Parcels 031 and 037). The subject property was mostly vacant land, with a residential building that was being subleased, and a portion of Parcel 037 that was being leased to the drilling company, Drill Pro. This Phase I ESA report identified the following findings and conclusions for the subject property:

- Significant uncontrolled, illicit dumping was observed on Parcel 031 of the subject property. Dumping included abandoned vehicles, contractor-garbage bags that were covered with branches and leaves, and other assorted debris (metal chairs, tin sheet roofing, and clothes). Due to the solid waste and abandoned materials, this finding was considered a recognized environmental condition.
- The subject property appeared to have very poor housekeeping. Large drill bits, metal equipment and tools, fuel cans/drums, paint cans, and various sized gas cylinders were stored without covering and appeared abandoned. Heavy equipment and other items were stored outdoors without enclosed storage areas (i.e., not secured and directly on soil). Equipment and debris were rusting due to the lack of covering and proper storage. This finding was considered a material threat of releases because the subject property was not paved, and corroded metals, lubricants, and drill fluids could leach onto the subject property.
- On Parcel 037 of the subject property there were numerous, unlabeled 125-gallon poly containers, 55-gallon drums, and inter-modal or "Conex" containers that were unlabeled and had unknown contents. This finding was considered a recognized environmental condition due to the unknown contents of the containers and the potential for releasing the contents of the containers, contaminating the subject property.
- ➤ The State DOH Hazard Evaluation and Emergency Response Office's Technical Guidance Manual for Implementation of the State Contingency Plan includes a historical overview of pesticides used that are related to sugarcane operations and chemicals of potential concern (COPCs) from pesticides and herbicides include arsenic, dioxin, ametryn,

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atrazine, and mercury. Due to the proximity of the Ewa Plantation Company to the subject property, possible historical use for commercial sugar cane production the subject property zoning (as agricultural land), there is a potential for residual pesticide-related COPCs on the subject property. Therefore, this finding was considered a material threat or recognized environmental condition due to the historical use of the general area of the subject property as agricultural land.

Although this Phase I ESA report identified recognized environmental conditions and other environmental conditions at the subject property, it did not include recommendations for further investigation. FAI concurs with the findings regarding potential releases from the various waste items and hazardous materials identified throughout the subject property. However, FAI does not agree that the former use of the subject property as agricultural land for sugar cane cultivation is a recognized environmental condition. The legal application of pesticides on crops may be considered a business environmental risk, but does not meet the definition of a release, and therefore, is not considered a recognized environmental condition.



5.0 STANDARD FEDERAL, STATE, AND TRIBAL ENVIRONMENTAL RECORD SOURCES

Available government database information prepared by EDR was reviewed to evaluate both the subject property and any listed sites within ASTM-recommended search distances. Federal, state, tribal, and local databases reviewed are included in Appendix H.

Unmappable sites were also listed in the EDR report. Unmappable sites are sites that cannot be plotted with confidence, but can be located by zip code or city name. In general, a site cannot be geocoded due to inaccurate or missing information provided by its applicable agency. Cross-referencing addresses and site names, as well as a visual reconnaissance of surrounding properties, has been completed for the unmappable facility sites in the database report.

Subject Property

The subject property address, 91-2002 Fort Weaver Road, is listed in the EDR report as a Facility Index System (FINDS) site under the name "Kahua Meat Co. Ltd." This listing merely indicates that the facility is included in the Occupational Safety and Health Administration (OSHA) Information System database, listed under the Standard Industrial Classification (SIC) code 2011 for Meat Packing Plants. No other pertinent information on this FINDS listing was included in the EDR database report. This listing does not indicate evidence of past chemical/petroleum releases at the subject property.

Nearby Properties

A total of 17 listings were identified within the specified search distances from the subject property, Including:

- One National Priority List (NPL) site
- One Superfund Enterprise Management System (SEMS) site
- One Resource Conservation Recovery Act (RCRA) Small Quantity Generator (SQG) site
- One Federal Engineering Controls (US ENG CONTROLS) site
- One Federal Institutional Control (US INST CONTROL) site
- Six State Hazardous Waste Site (SHWS) sites
- One UST site
- One Record of Decision (ROD) site
- Two Department of Defense (DOD) sites
- One Hazardous Waste Electronic Manifest System (E MANIFEST) site
- One Hazardous Waste Program (HWP) site

FAI eliminated all of these 17 listings as sites of environmental concern because they require no further action, or based FAI's review, are too distant and/or topographically down-gradient or cross-gradient relative to the subject property to reasonably affect it.

The nearest site listed in the EDR report is Ken's Auto Service, a UST site located at 91-2078 Fort Weaver Road, approximately 300 feet northwest of the subject property. This facility includes two gasoline USTs listed as "Permanently Out of Use" since 1988, with no reported LUST releases. Therefore, this UST site has a low potential to impact the subject property.



6.0 SITE RECONNAISSANCE

6.1 GENERAL OBSERVATION

The subject property was assessed on foot. At the time of the site walkthrough on October 10, 2024, the subject property appeared mostly undeveloped and covered with vegetation including tall grasses, shrubs and trees. FAI entered the subject property via a gated driveway entrance located at the south end of the subject property along Old Fort Weaver Road. Mr. O'Connor pointed out the former site of a slaughterhouse which was formerly located on the right side of the driveway/road on the southernmost portion of the subject property. FAI did not observe any remaining evidence of the former slaughterhouse.

The central portion of the subject property was mostly cleared of vegetation and was being used by the drilling contractor, Drill Pro Company, as a base yard. The base yard was observed with a few make-shift canopy structures, sheds, shipping containers, trailers, a chicken coop, scrap metal, and various pieces of heavy equipment such as backhoes, excavators, and forklifts. Several containers of chemical/petroleum products were observed at the Drill Pro Company base yard including: ten small containers of spray paints and lubricants and four automotive batteries in a make-shift canopy structure; seven oxygen/acetylene gas cylinders (used for welding); six propane gas cylinders (reportedly empty); and two approximately 100-gallon diesel aboveground storage tanks (ASTs) on a flat-bed truck. FAI also observed an apiary with numerous beehive boxes located northwest of the Drill Pro Company base yard.

The western and northeastern portions of the subject property were heavily vegetated, and an unlined drainage channel was observed along the east, northeast, and north-central portions of the subject property. The northeast portion of the subject property also included an area surrounded with barbed wire fencing that included two horses and a giant tortoise owned by Mr. Bruce St. Germaine, owner of the Drill Pro Company. FAI observed one of the horses, but not the other two animals.

Although access was limited in the heavily vegetated areas, FAI observed some abandoned items and garbage, including a severely damaged vehicle on the west-central portion of the subject property. An abandoned refrigerator and a few other abandoned household appliances were observed on the southwest portion of the subject property, and a pile of tires and debris were observed on the southcentral portion of the subject property, near the driveway entrance to the subject property along Old Fort Weaver Road. FAI also observed a low-lying concrete/rock wall on the northwest portion of the subject property which appeared as a possible building foundation.

Other structures observed on the subject property included a small modular building located along a driveway at the southwestern edge of the subject property, and a single-family house at the southwest edge of the subject property, along Old Fort Weaver Road. A family reportedly leases and lives in the house.

No evidence of current or former USTs, in-ground hydraulic equipment, sumps, cesspools, or other subsurface structures of environmental concern was noted on the subject property. In addition, no



significant surface staining or other evidence of chemical/petroleum releases were observed on the subject property during FAI's site visit.

6.2 HAZARDOUS SUBSTANCE AND PETROLEUM PRODUCTS (OTHER THAN UST/AST)

The subject property was assessed for signs of use, storage, or disposal of hazardous substances and/or petroleum products (other than those stored in USTs/ASTs, see Section 6.3 below). Property uses where these types of materials are typically found include: vehicle service bays, vehicle repair operations, auto body shops and related activities (e.g., solvents, cleaners, degreasers, lubricants, paints, antifreeze); dry cleaners, rug cleaners, steam laundries, Laundromats with self-serve dry clean machines (e.g., chlorinated solvents, Naphtha, mineral spirits); manufacturing operations, plating facilities, and other industrial/commercial operations. For purposes of this assessment, this does not include use/storage of small quantities of typical janitorial and maintenance materials (if any), unless considered relevant. Hazardous Wastes (if any) are further discussed in Section 6.4 below.

No visual evidence was observed, and no information was obtained to indicate the current and/or potential past presence of the above noted items, except for the following:

- Ten small containers of spray paints and lubricants and four automotive batteries in a makeshift canopy structure at the Drill Pro Company base yard
- Seven oxygen/acetylene gas cylinders (used for welding) at the Drill Pro Company base yard
- Six propane gas cylinders (reportedly empty) at the Drill Pro Company base yard
- Three 1-gallon containers of brake fluid, antifreeze, and motor oil in one of the shipping containers at the Drill Pro Company base yard
- Two approximately 100-gallon diesel aboveground storage tanks (ASTs) on a flat-bed truck at the Drill Pro Company base yard

6.3 STORAGE TANKS

6.3.1 <u>Underground Storage Tanks (USTs)</u>

The subject property was assessed for evidence of USTs. The assessment consisted of noting evidence (e.g., fill ports, vent piping, dispensing equipment, pavement variations) indicating that USTs are currently or were previously located on the subject property.

No visual evidence of current or former USTs was observed at the subject property during FAI's site visit.



6.3.2 Aboveground Storage Tanks (ASTs)

The subject property was assessed for evidence of ASTs, such as concrete foundations or saddles, pedestals or steel support structures, indicating that ASTs were previously located on the subject property.

No visual evidence was observed, and no other information was obtained, to indicate the current and/or potential past presence of ASTs at the subject property, except for two approximately 100-gallon diesel ASTs stored on a flat-bed truck at the Drill Pro Company base yard. No surface staining or other evidence of releases was observed on or around these ASTs.

6.3.3 In-Ground Hydraulic Equipment

The subject property was assessed for evidence of in-ground hydraulic equipment (e.g., hydraulic elevators or lifts that have hydraulic fluid-containing reservoirs or jacks below ground surface) or other types of hydraulic equipment. Hydraulic fluid in equipment installed in 1978 or before may contain PCBs.

No visual evidence was observed, and no other information was obtained, to indicate the current and/or potential past presence of in-ground hydraulic equipment at the subject property.

6.4 WASTES

The subject property was assessed for evidence suggesting the generation or disposal of "wastes" onsite (e.g., drums, dumpsters, debris piles). Observations suggesting the presence of wastes onsite are presented below. This includes observations/information suggesting (1) the placement of significant quantities of "fill" materials (from an unknown or potentially contaminated source), or (2) the "disposal" of wastes/debris/trash onsite.

No evidence of wastes was observed on the subject property during FAI's site visit, except for several abandoned items and garbage at various locations throughout the subject property, listed as follows:

- Numerous dilapidated structures, broken pieces of equipment, scrap metal, old rusted drill bits, damaged lumber, pipe sections, and general garbage were observed at the Drill Pro Company base yard.
- A severely damaged vehicle was observed on the heavily vegetated west-central portion of the subject property.
- An abandoned refrigerator and a few other abandoned household appliances were observed on the southwest portion of the subject property.
- A pile of tires and debris was observed on the south-central portion of the subject property, near the driveway entrance to the subject property along Old Fort Weaver Road.

Additional abandoned/waste items are likely present within the heavily vegetated portions of the subject property, but may have been obscured from view during FAI's site visit. Future clearing, grubbing, and grading activities should be closely monitored for additional abandoned/waste items.

6.5 POLYCHLORINATED BIPHENYLS

The subject property was assessed for the presence of liquid-cooled electrical units (e.g., transformers) and major sources of hydraulic fluid (e.g., elevators, lifts). Such units are notable because they may be potential PCB sources. Potential PCB-containing in-ground hydraulic equipment (if any) was discussed in Section 6.3.3. Potential PCB-containing building materials such as caulks, paints/coatings, and electrical ballasts in fluorescent light fixtures are discussed below in Section 9.4.

No electrical transformers or other large suspect PCB units were observed at the subject property during FAI's site visit.

6.6 WASTE WATER AND STORM WATER DISCHARGE

The subject property was assessed for evidence of waste or process water discharges (if any) and storm water discharges. For purposes of this assessment, this generally includes discharges other than domestic waste water from sinks and toilets. In addition, properly functioning septic systems used strictly for residential and most commercial operations generally do not represent a cause for concern. Exceptions can include those instances where hazardous substances/petroleum products may be discharged through the system (e.g., spent solvents at an auto repair facility).

No evidence of waste or process water discharge was observed at the subject property.

The storm water runoff from the subject property infiltrates the unpaved grounds of the subject property and flows via sheet flow to the northeast and into an unlined drainage channel that extends through the northeast portion of the subject property. Storm water also flows into Fort Weaver Road and the associated curbside storm drain openings, located along the east side of the subject property.

6.7 WELLS

The subject property was assessed for evidence of wells (e.g., dry, irrigation, injection, abandoned, monitor, supply).

No evidence of wells was observed on the subject property during FAI's site visit.

According to the EDR database report, there are three water wells located on or near the subject property, as follows:

Well ID No. 3-2101-001 is located on or near the south-central boundary of the subject property.
 This well is listed under the name "Honouliuli" (originally named "Kahua Meat") and the owner of the well is listed as the Roman Catholic Church in the State of Hawaii. This well was drilled to a depth of 325 feet, and the Major Well Use is listed as "Unused." No additional information was provided for this well.

- Well ID No. 3-2101-003 is located on or near the eastern boundary of the subject property. This
 well is listed under the name "Honouliuli" and the owner of the well is listed as the Roman
 Catholic Church in the State of Hawaii. This well was drilled to a depth of 355 feet in 1981, and
 the Major Well Use is listed as "Water Level Observation." No additional information was
 provided for this well.
- Well ID No. 3-2102-001 is located on or near the western boundary of the subject property. This well, listed under the name "Honouliuli," was drilled in 1880. The owner of the well and the well depth were not reported, and the Major Well Use is listed as "Abandoned-Sealed." No additional information was provided for this well.



7.0 INTERVIEWS

The purpose of the interview(s) was to obtain additional information related to: 1) the current and past operations at the subject and/or adjoining properties that may result in recognized environmental conditions; and 2) the presence of Proceedings Involving the Property (e.g., litigation, regulatory agency rulings, violations). FAI interviewed the following personnel:

FAI interviewed Mr. Bruce St. Germaine of Drill Pro Company, a lessee at the subject property, during the site walkthrough on October 10, 2025.

- Mr. Germaine has been a lessee at the subject property for approximately 15 years and was forthcoming with information for which he had knowledge. Mr. Germaine stated that he leases the central portion of the subject property for use as a base yard for his drilling business, and he currently keeps two horses and a large tortoise on the subject property. He said that he mostly uses the leased area for storage purposes, but he sometimes conducts welding and minor equipment repairs onsite.
- Mr. Germaine was asked about the historical uses of the subject property and stated that it
 formerly included a slaughterhouse in the south-central area. It also formerly included a plant
 nursery and two to three contractor base yards, one of which was used by Hawaiian Dredging.
 In addition, Mr. Germaine said that a portable toilet company (Port-A-Potty) operated at the
 subject property approximately 20 years ago.
- Mr. Germaine was asked if he had any information regarding USTs, in-ground hydraulic
 equipment, oil-water separators, cesspools, chemical spills or releases, and/or government
 violations associated with the subject property. He was unaware of any of these items or
 government violations associated with the subject property.
- Mr. Germaine was asked the following and responded to the best of his knowledge:

Any pending, threatened, or past litigation relevant to hazardous substances or petroleum products in, on, or from the	Yes	No <u>X</u>
Any pending, threatened or past administrative proceedings relevant to hazardous substances or petroleum	Yes	No X
products in, on, or from the property.		

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Any notices from any governmental entity			
regarding any possible violation of			
environmental laws or possible liability			
relating to hazardous substances or			
petroleum products.	Yes	No	X



8.0 TIER 1 VAPOR ENCROACHMENT SCREEN (VES)

The VES was conducted in accordance with ASTM E2600-22, Standard Guide for Vapor Encroachment Screening on Property Involved in Real Estate Transactions. A VES is often conducted in conjunction with a Phase I ESA as much of the information utilized is common to both processes. The goal of a VES is to identify if a potential vapor encroachment condition (VEC) may exist at a subject property. A VEC is defined as the presence or likely presence of chemicals of concern (COC) vapors in the subsurface of a subject property caused by the release of vapors from contaminated soil and/or groundwater either on or near the subject property.

A Tier 1 VES includes obtaining and reviewing information on the subject property and adjoining properties. This includes information on the following: user provided information; physical setting information; existing/planned use of the subject property; types of structures/existing or planned on the subject property; surrounding area description; selected Federal, State, Local and Tribal environmental records sources; historical records related to the past use of the subject property and adjoining properties within the area of concern (AOC), 1/3 to 1/10 mile; the likely COC; and the presence of significant natural or man-made conduits that can serve as preferential pathways, such as utility corridors, sewers, storm drains, etc. (Note: These "preferential pathways" may provide for a more direct route for vapors to encroach upon the subject property).

An evaluation of information for the Tier 1 VES includes two tests: (1) a search distance test to evaluate the proximity of the target property to known or suspected "contaminated properties", and (2) a chemicals of concern test to determine the likely presence of COCs at the subject property or properties within the AOC. In evaluating the data, the distance and proximity to potentially contaminated off-site properties must be evaluated, including whether they are up-, cross-, or down-gradient relative to the subject property. A brief summary of relevant information considered for the Tier 1 screening follows:

Use of Property: Undeveloped, heavily vegetated land, except for a single residential

building and an area leased to the drilling contractor, Drill Pro Company

Soil Characteristics: Honouliuli clay 0 to 2 percent slopes on the south-central, western, and

east-central portions (approximately 45%), Kaloko clay 0 to 2 percent slopes, noncalcareous variant on the southeast portion (approximately 3.5%), and Pearl Harbor clay 0 to 2 percent slopes, MLRA 163 on the central and northeast portions (approximately 51.5%) of the subject

property (USDA Soil Conservation Service, 2014)

Depth to Groundwater:Approximately 5 to 25 feet (USGS, Ewa Quadrangle, 2013)

Preferential Pathways: Underground utilities are unknown, but likely exist onsite.

The VES process has been completed in accordance with the Standard. No onsite or nearby VECs were identified.



9.0 NON-ASTM ISSUES

Non-ASTM issues include potential environmental concerns that are not considered recognized environmental conditions but may be considered business environmental risks. The non-ASTM issues covered in this Phase I ESA report include suspect Asbestos-Containing Materials (ACM), radon gas, suspect Lead-Based Paint (LBP), and wetlands.

9.1 ASBESTOS-CONTAINING MATERIALS (ACM)

The subject property was inspected for the presence of suspect ACM such as ceiling and roofing materials, and presumed asbestos-containing materials (PACM) as defined by the OSHA (29 CFR 1926.1101), which includes thermal system insulation and surfacing material, if building construction was prior to 1981. Asphalt and vinyl flooring material installed prior to 1980 must also be considered asbestos-containing unless proven otherwise.

No permanent structures with suspect ACM were observed at the subject property during FAI's site visit, except for the single-family house and carport located at the southwest edge of the subject property, along Old Fort Weaver Road. According to DPP records this house was originally constructed in 1919, and therefore, may include ACM. Although FAI was unable to access and inspect the interior of the house during their site visit, it may include suspect ACM such as gypsum wall/ceiling board with joint tape/compound, spray-applied acoustical ceiling plaster, flooring materials, caulking/sealant, and/or roofing materials.

It should also be noted that, according to a previous Phase I ESA report on the subject property (see Section 4.8 above) on-site demolition rubble was reportedly used to fill in the cesspool associated with the former slaughterhouse. This demolition rubble may include suspect ACM.

The only way to determine if ACM is present is to sample and analyze the suspect ACM for asbestos content. Sampling and analysis of suspect ACM was not conducted during this Phase I ESA.

Prior to activities that may disturb the house and carport at the subject property (i.e., drilling, excavation, demolition), the structures should be sampled and analyzed for possible asbestos content. If the material is found to contain asbestos, the building owner or leased space tenant may be required to comply with applicable United States Environmental Protection Agency (USEPA), OSHA, National Emission Standards for Hazardous Air Pollutants (NESHAPS), and state and local regulations.

9.2 RADON

Radon is a naturally occurring radioactive gas formed by the decay of uranium, radium, and thorium in soil, rock, and groundwater. The potential adverse health effects associated with radon gas depend on various factors, such as the concentration of the gas and duration of exposure. The concentration of radon gas in a building depends on subsurface soil conditions, the integrity of the building's foundation, and the building's ventilation system.

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Due to the relatively young geological age (less than five million years) of the southernmost islands of the Hawaiian archipelago, radon gas does not occur at elevated levels in native soils.

9.3 LEAD-BASED PAINT (LBP)

Lead-based paint was commonly used for corrosion protection in the 1960s, and in prime, intermediate, and finish coats well into the 1970s. Regulations specifically addressing LBP include Housing and Urban Development (HUD) (1995) guidelines and the Consumer Product Safety Act (1977). These regulations define LBP as containing 0.5% lead by weight (5,000 ppm), and 0.009% lead by weight (90 ppm), respectively, for housing and consumer products. There is no industrial definition. There are specific testing methods for sampling and analyzing lead in paint.

No permanent structures with suspect LBP were observed at the subject property during FAI's site visit, except for the single-family house and carport located at the southwest edge of the subject property, along Old Fort Weaver Road. According to DPP records this house was originally constructed in 1919, and therefore, may include LBP.

The only way to determine if LBP is present is to sample and analyze the painted surfaces for lead content. Sampling and analysis of paints was not conducted during this Phase I ESA.

The presence or absence of LBP should be assessed prior to renovation or demolition activities that may disturb painted surfaces. If lead is identified in the paints, USEPA and OSHA regulations should be followed when disturbing the paints (i.e., sanding, drilling, grinding, or removing paint).

9.4 PCB-CONTAINING BUILDING MATERIALS

The subject property was inspected for the presence of potential PCB-containing building materials such as caulks, paints/coatings, and electrical ballasts in fluorescent light fixtures. These items are listed as non-scope considerations under the ASTM E1527-21 Standard. Major sources of hydraulic fluid (e.g., elevators, lifts) and larger suspect PCB units such as liquid-cooled electrical transformers are considered in-scope under ASTM E1527-21, and are discussed above in Sections 6.3.3 and 6.5, respectively.

No permanent structures with suspect PCB-containing building materials were observed at the subject property during FAI's site visit, except for the single-family house and carport located at the southwest edge of the subject property, along Old Fort Weaver Road. According to DPP records this house was originally constructed in 1919, and therefore, may include PCB-containing building materials. Although FAI was unable to access and inspect the interior of the house during their site visit, it may include suspect PCB-containing building materials such as caulks, paints/coatings, and/or fluorescent light ballasts. The structures should be inspected for such materials prior to future demolition/renovation activities that may disturb the materials.

9.5 TERMITICIDE TREATMENT OF BUILDINGS

Organochlorine termiticides are a group of pesticides that were used for termite control in and around buildings and homes from the mid-1940s to the late 1980s. These organochlorine pesticides included chlordane, aldrin, dieldrin, heptachlor, and dichlorodiphenyltrichloroethane (DDT).

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No permanent structures were observed at the subject property during FAI's site visit, except for the single-family house and carport located at the southwest edge of the subject property, along Old Fort Weaver Road. According to DPP records this house was originally constructed in 1919, and therefore, is unlikely to have been treated with organochlorine termiticides.

9.6 WETLANDS

The subject property was inspected for the presence of sensitive ecological areas by noting environmental indicators (e.g., wetlands vegetation, floodplains) located on or immediately adjoining the subject property.

No sensitive ecological areas were observed on the subject property. The nearest sensitive ecological area is the West Loch of Pearl Harbor, located approximately 1,800 feet east of the subject property. FAI reviewed the United States Fish and Wildlife Service (USFWS) National Wetland Inventory website (https://www.fws.gov/wetlands/data/Mapper.html) for information on this wetland area. However, the website is not currently in operation due to a temporary shutdown of the federal government.

The Federal Emergency Management Agency Flood Insurance Rate Map (FEMA/FIRM) was reviewed to determine if the subject property is located in a flood hazard area. According to the FEMA/FIRM index map (FEMA/FIRM Panel No. 15003C0310G, dated January 19, 2011), Parcel 031 and the southwest and southeast portions of Parcel 037 at the subject property are located within Flood Zone X, which denotes areas determined to be outside of the 0.2% annual chance floodplain. The remainder of Parcel 037 is located within Flood Zone AE, which denotes special flood hazard areas subject to inundation by the 1% annual flood (100-year flood), with the base flood elevation determined as approximately 14 feet.



10.0 FINDINGS, OPINIONS, AND CONCLUSIONS

FAI has performed a Phase I ESA in conformance with the scope and limitations of ASTM Practice E1527-21 of the 22.734-acre property located at 91-2002 Fort Weaver Road (TMK: [1] 9-1-181: Parcels 031 and 037) in Ewa Beach, Oahu, Hawaii (the "subject property"). Any exceptions to, or deletions from, this practice are described in Sections 1.2 and 1.3 of this report.

This Assessment has revealed no recognized environmental conditions, controlled recognized environmental conditions, and/or significant data gaps, as defined by ASTM, in connection with the subject property, except for the following:

• Past and Current Onsite Wastes and Imported Soils – Based on our review of previous Phase I ESA reports and FAI's recent site visit, the subject property has included various potentially hazardous wastes including abandoned vehicles, fuel cans/drums, paint cans, petroleum hydrocarbon containers, heavy equipment/machinery, gas cylinders, and automotive batteries, at various locations throughout the subject property. Generally poor housekeeping was also noted at the subject property, and areas of staining on the ground surface were previously identified. In addition, soils from unknown sources have been imported onto the subject property at various times in the past.

This finding is considered a recognized environmental condition because there is evidence of past chemical/petroleum releases, and a potential for contaminants from the waste items and imported soils to have impacted the subject property. Therefore, FAI recommends the proper removal and disposal of the waste items, followed by a soils investigation in the areas of former wastes/imported soils to assess potential impacts to the subject property.

This assessment has also revealed the following environmental conditions, which are not considered recognized environmental conditions, as defined by ASTM, but may be considered business environmental risks:

Former Agricultural Use – Based on a review of historical aerial photographs, tax
assessment records, and other documents, the subject property was formerly used as
agricultural land for sugar cane cultivation. Use of agricultural chemicals such as pesticides
and herbicides on agricultural crops may be an environmental concern; however, no
evidence of pesticide/herbicide mixing or storage areas or releases of pesticides and
herbicides was identified on the former agricultural field areas of the subject property.

The HDOH *TGM* for the Implementation of the State Contingency Plan Interim Final, dated 2023, recommends that sites where pesticides were regularly applied, be evaluated for residual contamination prior to re-development.

This finding is not considered a recognized environmental condition because there is no evidence of storage, mixing, or excessive application of agricultural chemicals on the former agricultural field areas at the subject property. However, there is a potential that agricultural chemicals exist in the soil at concentrations above the HDOH action levels. If soil is to be

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excavated and/or removed from the subject property in the future, FAI recommends conducting multi-increment soil sampling with laboratory analyses for agricultural chemicals of concern prior to disturbance of the soil.

• Onsite Suspect ACM – No permanent structures with suspect ACM were observed at the subject property during FAI's site visit, except for the single-family house and carport located at the southwest edge of the subject property, along Old Fort Weaver Road. According to DPP records this house was originally constructed in 1919, and therefore, may include ACM. Although FAI was unable to access and inspect the interior of the house during their site visit, it may include suspect ACM such as gypsum wall/ceiling board with joint tape/compound, spray-applied acoustical ceiling plaster, flooring materials, caulking/sealant, and/or roofing materials.

It should also be noted that, according to a previous Phase I ESA report on the subject property, on-site demolition rubble was reportedly used to fill in the cesspool associated with the former slaughterhouse. This demolition rubble may include suspect ACM.

This finding is not considered a recognized environmental condition because ACM in buildings is not considered an ASTM issue. Also, the former slaughterhouse cesspool may include suspect ACM; therefore, any future excavation activities in the vicinity of the former cesspool should be closely monitored for evidence of suspect ACM.

FAI recommends that, prior to any activities (i.e., repair, renovation, demolition) which may disturb suspect ACM, these and similar materials should be sampled and analyzed for possible asbestos content. If the materials are found to contain asbestos, the building owner or leased space tenant may be required to comply with applicable United States Environmental Protection Agency (USEPA), Occupational Safety and Health Administration (OSHA), National Emission Standards for Hazardous Air Pollutants (NESHAPS), and state and local regulations.

 Onsite Suspect LBP – LBP was commonly used for corrosion protection in the 1960s, and in prime, intermediate, and finish coats well into the 1970s. The single-family house and carport located at the southwest edge of the subject property was originally constructed in 1919, and therefore, may include LBP.

This finding is not considered a recognized environmental condition because LBP in buildings is not considered an ASTM issue. However, FAI recommends that, prior to any activities (i.e., repair, renovation, demolition) which may disturb painted building surfaces, sampling of untested paints should be conducted to determine the presence or absence of lead in the painted surfaces. If lead is identified in the paints, USEPA and OSHA regulations should be followed when disturbing the paints (i.e., sanding, drilling, grinding, or removing paint).

 Onsite Fluorescent Light Ballasts with PCBs - The single-family house and carport located at the southwest edge of the subject property was originally constructed in 1919, and therefore, may include fluorescent light fixtures with PCB ballasts.

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This finding is not considered a recognized environmental condition because PCB light ballasts are considered a *de minimis* environmental issue. However, if fluorescent light ballasts are present in the house, they should be inspected for "No PCBs" labels prior to planned renovation/demolition activities involving the removal of fluorescent light fixtures. If the ballasts are not labeled, these units must be disposed at an approved PCB waste facility.

11.0 **SIGNATURES**

Certification of both Environmental Professionals signing below: I declare that, to the best of my professional knowledge and belief, I meet the definition of Environmental Professional as defined in § 312.10 of 40 C.F.R. § 312. I have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the subject property. I have developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in 40 C.F.R. Part 312.

Tim Swartz

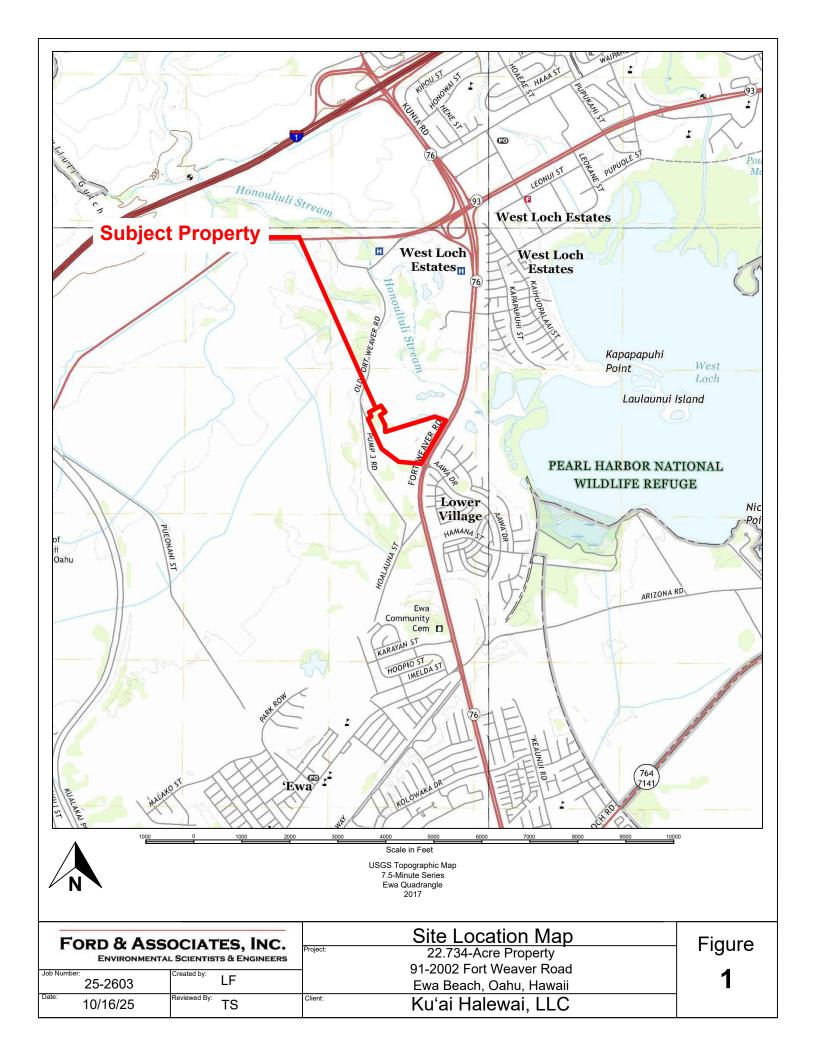
Senior Project Manager

Daniel P. Ford P.G.

Principal Geologist

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FIGURES





LEGEND:

- 1. Drill Pro Company Base Yard
- 2. Unlined Drainage Channel
- 3. Apiary with Beehive Boxes
- 4. Undeveloped, Heavily Vegetated Land
- 5. Single-Family House
- 6. Site of Former Slaughterhouse
- 7. Modular Building
- 8. Residences
- 9. West Loch Golf Course
- 10. West Loch Fairways Residential Development
- 11. Hawaiian Humane Society Kosasa Family Campus at Ho'opili

Image Source: Google Earth 2025

Figure

12. Agricultural Land

150 300 600 Scale in Feet

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oject Number:
25-2603

TS

Subject Property Vicinity Map

22.734-Acre Property
91-2002 Fort Weaver Road
Ewa Beach, Oahu, Hawaii

Ku'ai Halewai, LLC

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PHOTOGRAPHS

Site Name: 22.734-Acre Property, 91-2002 Fort Weaver Road

Ewa Beach, Oahu, Hawaii



Driveway entrance into the southern portion of the subject property (former site of slaughterhouse on right side of road), located along Old Fort Weaver Road, looking north

PHOTO

Date: October 10, 2025

1



Overview of base yard area leased to the drilling contractor, Drill Pro Company, located on the central portion of the subject property, looking southwest

PHOTO

Site Name: 22.734-Acre Property, 91-2002 Fort Weaver Road

Ewa Beach, Oahu, Hawaii



Make-shift canopy structure (roof supported by two shipping containers) located at the Drill Pro Company base yard

PHOTO

Date: October 10, 2025

3



Small containers of spray paints and lubricants on a work table in the make-shift canopy structure

PHOTO

Site Name: 22.734-Acre Property, 91-2002 Fort Weaver Road Date: October 10, 2025

Ewa Beach, Oahu, Hawaii



Automotive batteries stored on a cart in the make-shift canopy structure

PHOTO

5



Oxygen/acetylene gas cylinders (used for welding) at the Drill Pro Company base yard

РНОТО

Site Name: 22.734-Acre Property, 91-2002 Fort Weaver Road

Ewa Beach, Oahu, Hawaii



Small trailer and shed at the Drill Pro Company base yard

РНОТО

Date: October 10, 2025

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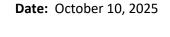


Chicken coop at the Drill Pro Company base yard

PHOTO

Site Name: 22.734-Acre Property, 91-2002 Fort Weaver Road

Ewa Beach, Oahu, Hawaii





Two carport structures and shed at the Drill Pro Company base yard

PHOTO

9



Empty propane gas cylinders at the Drill Pro Company base yard

PHOTO

Site Name: 22.734-Acre Property, 91-2002 Fort Weaver Road

Ewa Beach, Oahu, Hawaii



Shipping container with stored lumber, forklift, and Jeep at the Drill Pro Company base yard

РНОТО

Date: October 10, 2025

11



Flat-bed truck with two small (approximately 100-gallon) diesel aboveground storage tanks at the Drill Pro Company base yard

PHOTO

Site Name: 22.734-Acre Property, 91-2002 Fort Weaver Road

Ewa Beach, Oahu, Hawaii



Drill bits stored on the northeast portion of the Drill Pro Company base yard

PHOTO

Date: October ??, 2025

13



Canopy structure and trailer located along the northwest edge of the Drill Pro Company base yard

PHOTO

Site Name: 22.734-Acre Property, 91-2002 Fort Weaver Road

Ewa Beach, Oahu, Hawaii



Two shipping containers with attached canopy located along the northwest edge of the Drill Pro Company base yard

PHOTO

Date: October 10, 2025

15



Overview of the apiary with beehive boxes located northwest of the Drill Pro Company base yard

PHOTO

Site Name: 22.734-Acre Property, 91-2002 Fort Weaver Road

Ewa Beach, Oahu, Hawaii



Close-up view of a typical beehive box in the apiary located northwest of the Drill Pro Company base yard

PHOTO

17

Date: October 10, 2025



Heavily vegetated area on the northeast portion of the subject property

PHOTO

Site Name: 22.734-Acre Property, 91-2002 Fort Weaver Road

Ewa Beach, Oahu, Hawaii



Horse (1 of 2) kept in the fenced-in area on the northeast portion of the subject property

PHOTO

Date: October 10, 2025

19



Portion of the unlined drainage channel that extends through the northeast portion of the subject property

PHOTO

Site Name: 22.734-Acre Property, 91-2002 Fort Weaver Road

Ewa Beach, Oahu, Hawaii



Modular building located along a driveway at the southwestern edge of the subject property

PHOTO

Date: October 10, 2025

21



Abandoned vehicle amongst heavy vegetation on the west-central portion of the subject property

РНОТО

Site Name: 22.734-Acre Property, 91-2002 Fort Weaver Road Date: October 10, 2025

Ewa Beach, Oahu, Hawaii



Roadway between Parcels 31 (left) and 37 (right) of the subject property, extending to the offsite residence on the north adjoining property, looking northeast

PHOTO

23



Residence located on the north adjoining property, looking northeast

PHOTO

Site Name: 22.734-Acre Property, 91-2002 Fort Weaver Road

Ewa Beach, Oahu, Hawaii



Concrete/rock wall (possible building foundation) located on the northwest portion of the subject property

PHOTO

Date: October 10, 2025

25



Abandoned refrigerator located at the southwest edge of the subject property, along Old Fort Weaver Road

PHOTO

Site Name: 22.734-Acre Property, 91-2002 Fort Weaver Road

Ewa Beach, Oahu, Hawaii



Single-family house with carport located at the southwest edge of the subject property, along Old Fort Weaver Road

PHOTO

Date: October 10, 2025

27



Pile of tires and debris located on the south-central portion of the subject property, near the driveway entrance along Old Fort Weaver Road

PHOTO

Site Name: 22.734-Acre Property, 91-2002 Fort Weaver Road

Ewa Beach, Oahu, Hawaii

Date: October 10, 2025



Offsite easement along eastern edge of the subject property (heavily vegetated area) showing irrigation pump vault, looking north

РНОТО

29



Intersection of Fort Weaver Road and Old Fort Weaver Road, beyond which is the West Loch Fairways residential development, located southeast of the subject property, looking southeast

PHOTO

Site Name: 22.734-Acre Property, 91-2002 Fort Weaver Road

Ewa Beach, Oahu, Hawaii



Fort Weaver Road located east of the subject property, looking north

РНОТО

Date: October 10, 2025

31



Portion of West Loch Golf Course located on the north side of the Parcel 37 portion of the subject property, looking west

PHOTO

Site Name: 22.734-Acre Property, 91-2002 Fort Weaver Road

Ewa Beach, Oahu, Hawaii



Residential properties along Old Fort Weaver Road adjoining the north side of the Parcel 31 portion of the subject property, looking north

PHOTO

Date: October 10, 2025

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Hawaiian Humane Society Kosasa Family Campus at Ho'opili on south adjoining property beyond Old Fort Weaver Road, looking south

PHOTO

FORD & ASSOCIATES, INC. ENVIRONMENTAL SCIENTISTS & ENGINEERS

APPENDIX A

RESUME

FORD & ASSOCIATES, INC.

ENVIRONMENTAL SCIENTISTS & ENGINEERS

Tim Swartz Senior Project Manager

Associate of Science Degree (AS)
Occupational and Environmental
Safety Management
Honolulu Community College
Honolulu, Hawaii

Undergraduate Studies in Psychology and Biology University of Kansas Lawrence, Kansas

Environmental Professional (as defined in Section 312.10 of 40 CFR 312)

Asbestos Hazard Emergency Response Act (AHERA) Building Inspector

AHERA Management Planner State of Hawaii Department of Health (DOH) - Certified Asbestos Project Monitor

National Institute of Occupational Safety and Health (NIOSH) 582 Phase Contrast Microscopy/Asbestos Identification/AAR Participant

SCITEC Radiation Safety Training

OSHA 40-Hour Hazardous Waste, Health, and Safety Accreditation/Annual Update

Lead-Based Paint Inspector

Lead-Based Paint Abatement Worker Awareness Training Course Tim Swartz is an Environmental Professional with over 35 years of experience in the environmental and industrial hygiene fields. His background includes numerous Phase I environmental site assessments (ESAs) and management of large-scale Phase I ESA projects; soil and groundwater sampling; asbestos and lead paint assessments and management of large-scale asbestos and lead paint projects; air monitoring and project oversight for asbestos and lead paint abatement projects; and various air quality surveys.

Mr. Swartz has extensive project management experience and is familiar with standards and requirements of the American Society for Testing and Materials (ASTM) International standards for Phase I environmental site assessments (ESAs), and Asbestos Hazard Emergency Response Act (AHERA) standards for asbestos projects. He is also familiar with Environmental Protection Agency (EPA) regulations for asbestos building surveys and air monitoring projects; EPA and Department of Housing and Urban Development (HUD) guidelines for lead-based paint surveys and abatement; and Occupational Safety and Health Administration (OSHA) regulations for projects involving worker health and safety.

FORD & ASSOCIATES, INC.

ENVIRONMENTAL SCIENTISTS & ENGINEERS

Daniel P. Ford, PG, MBA Principal Geologist

MBA., With Distinction, 1999 Hawaii Pacific University

Thesis topic : Environmental Management Systems and ISO 140001

BA, Geology, 1985 University of California, Berkeley

Registered Professional Geologist (P.G.), No. 0864, 1993

Mr. Ford has over 35 years of environmental consulting experience in Hawaii and the Pacific. His experience is both managerial and technical. His managerial experience includes strategic planning, business development, change management, mergers and acquisitions, profit and loss, recruitment and employee development.

His technical experience includes both private industry and government. He has managed large scale complex projects for real estate development, oil and gas industry, industrial clients and governmental agencies. His experience includes environmental management systems, risk analysis, compliance audits, due diligence for mergers and acquisitions, subsurface investigations for soil and groundwater contamination, water quality studies, site characterizations, risk assessments, hazardous waste management, remedial investigation and feasibility studies, and remediation management. His knowledge of regulations and strategy has assisted clients in negotiations with U.S. Environmental Protection Agency (EPA) and various regulatory agencies on hundreds of projects.

Mr. Ford's project experience extends throughout the Hawaiian Islands and the Pacific Basin, Korea, Japan, the Philippines, Guam, Saipan, Hong Kong, Australia, the U.S. Mainland, and Central America.

APPENDIX B

USER QUESTIONNAIRE

ASTM PRACTICE E 1527-21 USER/CLIENT QUESTIONNAIRE To be returned to Ford & Associates, Inc. with the authorized proposal

GENERAL INFORMATION

User/Client Name(s):	Kuʻai Halewai, LLC
Property Name and Address (Include known current and former address[es] and parcel no.):	Fort Weaver Project Site — located on the former Catholic Diocese of Honolulu Ewa Church Campus site at the northwest corner of Fort Weaver Road and Old Fort Weaver Road ('Āwa Road), Ewa Beach, O'ahu, Hawai'i 96706. Current TMKs: (1) 9-1-17: 010 & 041 → Lot 17896 (Map 1405 of Land Court App. 1069).
Property Acreage:	Total site area: ≈ 22.7 acres (post-DOT ROW dedication).
Current Property Type (Designate property type and list current tenants [business name and type of operation]):	There seem to someone living and using the property, but not sure, would need to request more information for the Roman Catholic Church of Hawaii.
Type of Property Transaction with respect to User (Designate one):	Purchase: X Lease: Other (provide further information):
Reason Phase I is Required (Check all that apply):	Landowner Liability Protections (e.g., Innocent Landowner Defense): Evaluation of Business Risk: Other (list): Acquisition for Development of Commercial Center (Note: If no reason is given it is assumed that this assessment is being performed to satisfy one of the requirements for Landowner Liability Protections to CERCLA liability).
Site Owner/ Contact (s) (Name and phone number):	Roman Catholic Church of Hawaii – Michael Yee <u>myee@mcyid.com</u> - 8082001100

Please provide the above information as well as a site plan (ALTA Survey, if available) which clearly designates the boundaries of the subject property for purposes of this Phase I ESA. A list of other Helpful documents is included with the proposal.

See diligence files provided to Ford and Associates

ASTM PRACTICE E 1527-21 USER/CLIENT QUESTIONNAIRE (Continued)

Providing the following information (if available) to the environmental professional (Ford & Associates, Inc.) is one of the requirements to qualify for one of the Landowner Liability Protections (LLPs) offered under CERCLA. Missing or incomplete information could result in a determination that "all appropriate inquiry" is not complete. If further information is desired regarding these issues, Ford & Associates, Inc. recommends you consult with an Environmental Attorney.

REQUIRED INFORMATION

law? (Check One)

1.

The citation at the end of each item (e.g., 40 CFR 312.XX) is the section of EPA's November 1, 2005 AAI Final Rule which discusses that item. The ASTM Standard requires that reasonably ascertainable recorded land title records that are filed under federal, tribal, state and local law should be reviewed to determine the presence of Environmental Liens and Activity and Use Limitations (AULs) that are currently recorded against the property. This should also include a review of Environmental Liens and AULs that are imposed by judicial authorities and recorded/filed in judicial records. The Standard recommends that the User retain a title company or title professional to undertake a review of recorded land title records. Furthermore, the User is to provide any actual knowledge on Environmental Liens and AULs, as well as other selected information regarding recognized environmental conditions, to the environmental professional.

Environmental cleanup liens that are filed or recorded against the *subject property* (40 CFR 312.25). Given the above requirement, are you aware of any environmental cleanup liens against the *subject property* that are filed or recorded under federal, tribal, state or local

	No: <u>X</u>
	Yes (If "Yes" provide further information):
	(Note: If you desire that Ford & Associates, Inc. retain a title company/title professional on your behalf to review reasonably ascertainable recorded land title records for the presence of environmental cleanup liens and AULs currently recorded against the property please designate such on the Proposal Acceptance Agreement)
2.	Activity and land use limitations (AULs) that are in place on the <i>subject property</i> or that have been filed or recorded in a registry (40 CFR 312.26). Given the above requirement, are you aware of any AULs, such as <i>engineering controls</i> , land use restrictions or <i>institutional controls</i> that are in place at the <i>subject property</i> and/or have been filed or recorded in a registry under federal, tribal, state or local law? (Check One)
	No: <u>X</u>
	Yes (If "Yes" provide further information):

Specialized knowledge or experience of the person seeking to qualify for the LLP (40 CFR 312.28). As the <i>user</i> of this <i>ESA</i> do you have any specialized knowledge or experience related to the <i>subject property</i> or nearby properties? For example, are you involved in the same line of business as the current or former <i>occupants</i> of the <i>subject property</i> or an adjoining <i>property</i> so that you
would have specialized knowledge of the chemicals and processes used by this type of business? (Check One) No: X Yes (If "Yes" provide further information):
Relationship of the purchase price to the fair market value of the <i>subject property</i> if it were not contaminated (40 CFR 312.29). Does the purchase price being paid for this <i>subject property</i> reasonably reflect the fair market value of the <i>subject property</i> ? If you conclude that there is a difference, have you considered whether the lower purchase price is because contamination is known or believed to be present at the <i>subject property</i> ?
Yes: X
No (If "No" provide further information):
Not Applicable (e.g., transaction is a lease):
Commonly known or reasonably ascertainable information about the subject property (40 CFR 312.30). Are you aware of commonly known or reasonably ascertainable information about the subject property that would help the environmental professional to identify conditions indicative of releases or threatened releases? No:X Yes (If "Yes" provide further information):
For example, as <i>user</i> , (a.) Do you know the past uses of the <i>subject property</i> ? No: X Yes (If "Yes" provide further information):
Y

(b.) Do you know of specific chemicals that are present or once were present at the subproperty?			
		No: <u>X</u>	
		Yes (If "Yes" provide further information):	
	(c.)	Do you know of spills or other chemical releases that have taken place at the <i>subject property</i> ?	
		No: <u>X</u>	
		Yes (If "Yes" provide further information):	
	(d.)	Do you know of any environmental cleanups that have taken place at the subject property?	
		No: <u>X</u>	
		Yes (If "Yes" provide further information):	
	(40 (As the are the s	iect property, and the ability to detect the contamination by appropriate investigation CFR 312.31). The user of this ESA, based on your knowledge and experience related to the subject property there any obvious indicators that point to the presence or likely presence of contamination at subject property? X (If "Yes" provide further information):	
7.	ceedings involving the property (ASTM E 1527-05 § 10.9). you aware of any of the following: Any pending, threatened, or past litigation relevant to hazardous substances or petroleum lucts in, on, or from the subject property?		
	No:	V	
		<u>^</u>	
	Yes		
	Yes	(If "Yes" provide further information):	
	Yes		
	Yes		

(a.)	Any pending, threatened, or past administrative proceedings relevant to hazardous substances or petroleum products in, on, or from the <i>subject property?</i>
	No: <u>X</u>
	Yes (If "Yes" provide further information):
(b.)	Any notices from any governmental entity regarding any possible violation of environmental laws or possible liability relating to hazardous substances or petroleum products?
	No: <u>X</u>
	Yes (If "Yes" provide further information):

SIGNATURE

It is understood that the information presented in this form is an integral part of the Phase I ESA process and that Ford & Associates, Inc. will evaluate and rely on this information in the development of the final Phase I ESA report.
Questionnaire Prepared By:
Print/Type Name: Christian O'Connor
Title: Manager
Company: Kuʻai Halewai, LLC
Date: 10/8/2025

FORD & ASSOCIATES, INC. ENVIRONMENTAL SCIENTISTS & ENGINEERS

APPENDIX C

TOPOGRAPHIC MAPS

22.734-Acre Property 91-2002 Fort Weaver Road Ewa Beach, HI 96706

Inquiry Number: 8137757.4

October 10, 2025

EDR Historical Topo Map Report

with QuadMatch™



EDR Historical Topo Map Report

10/10/25

Site Name: Client Name:

22.734-Acre Property Ford & Associates, Inc.

91-2002 Fort Weaver Road 928 Nuuanu Avenue, Suite 505

Ewa Beach, HI 96706 Honolulu, HI 96813 EDR Inquiry # 8137757.4 Contact: Tim Swartz



10.00' above sea level

EDR Topographic Map Library has been searched by EDR and maps covering the target property location as provided by Ford & Associates, Inc. were identified for the years listed below. EDR's Historical Topo Map Report is designed to assist professionals in evaluating potential liability on a target property resulting from past activities. EDRs Historical Topo Map Report includes a search of a collection of public and private color historical topographic maps, dating back to the late 1800s.

Search Results:		Coordinates:	
P.O.#	NA	Latitude:	21.361946 21° 21' 43" North
Project:	25-2603	Longitude:	-158.030379 -158° 1' 49" West
•		UTM Zone:	Zone 4 North
		UTM X Meters:	600530.17
		UTM Y Meters:	2362515.92

Elevation:

Coordinates

Maps Provided:

Cooreh Booulto

 2017
 1953

 2013
 1928, 1930

1998, 1999

1983

1970

1967, 1968

1959, 1960, 1962

1954

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Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

2017 Source Sheets



2017 7.5-minute, 24000



Pearl Harbor 2017 7.5-minute, 24000



Schofield Barracks 2017 7.5-minute, 24000



Waipahu 2017 7.5-minute, 24000

2013 Source Sheets



Ewa 2013 7.5-minute, 24000



Pearl Harbor 2013 7.5-minute, 24000



Schofield Barracks 2013 7.5-minute, 24000



Waipahu 2013 7.5-minute, 24000

1998, 1999 Source Sheets



Ewa 1998 7.5-minute, 24000 Aerial Photo Revised 1998



Waipahu 1998 7.5-minute, 24000 Aerial Photo Revised 1998



Schofield Barracks 1998 7.5-minute, 24000 Aerial Photo Revised 1998



Pearl Harbor 1999 7.5-minute, 24000 Aerial Photo Revised 1999

1983 Source Sheets



Ewa 1983 7.5-minute, 24000 Aerial Photo Revised 1977



Pearl Harbor 1983 7.5-minute, 24000 Aerial Photo Revised 1978



Waipahu 1983 7.5-minute, 24000 Aerial Photo Revised 1978



Schofield Barracks 1983 7.5-minute, 24000 Aerial Photo Revised 1977

Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1970 Source Sheets



OAHU 1970 15-minute, 62500

1967, 1968 Source Sheets



Schofield Barracks 1967 7.5-minute, 24000 Aerial Photo Revised 1952



Puuloa 1968 7.5-minute, 24000 Aerial Photo Revised 1968



Waipahu 1968 7.5-minute, 24000 Aerial Photo Revised 1968



Ewa 1968 7.5-minute, 24000 Aerial Photo Revised 1968

1959, 1960, 1962 Source Sheets



Waipahu 1959 7.5-minute, 24000 Aerial Photo Revised 1959



Puuloa 1959 7.5-minute, 24000 Aerial Photo Revised 1959



Schofield Barracks 1960 7.5-minute, 24000 Aerial Photo Revised 1952



Ewa 1962 7.5-minute, 24000 Aerial Photo Revised 1952

1954 Source Sheets



Waipahu 1954 7.5-minute, 24000 Aerial Photo Revised 1952



HONOLULUVICINITYNORTH 1954 7.5-minute, 24000

Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1954 Source Sheets



HONOLULUVICINITYSOUTH 1954 7.5-minute, 24000

1953 Source Sheets



Puuloa 1953 7.5-minute, 24000 Aerial Photo Revised 1952



Schofield Barracks 1953 7.5-minute, 24000 Aerial Photo Revised 1952



Ewa 1953 7.5-minute, 24000 Aerial Photo Revised 1952

1928, 1930 Source Sheets



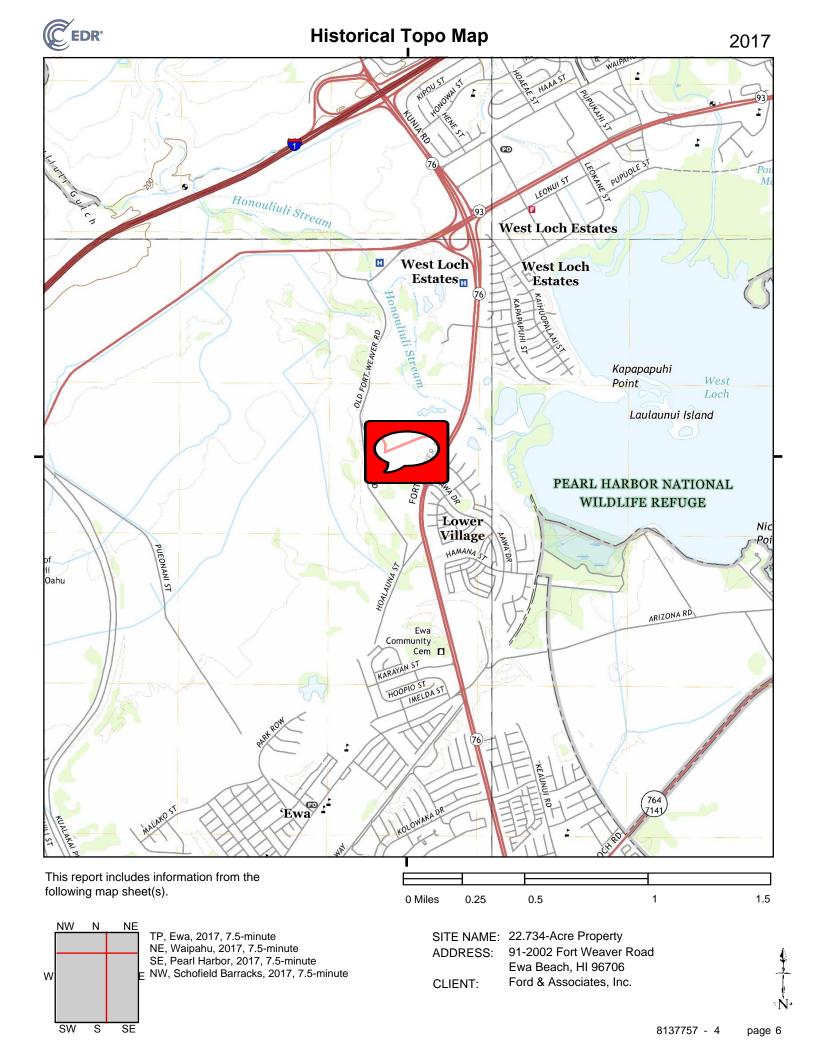
WAIPAHU 1928 7.5-minute, 20000

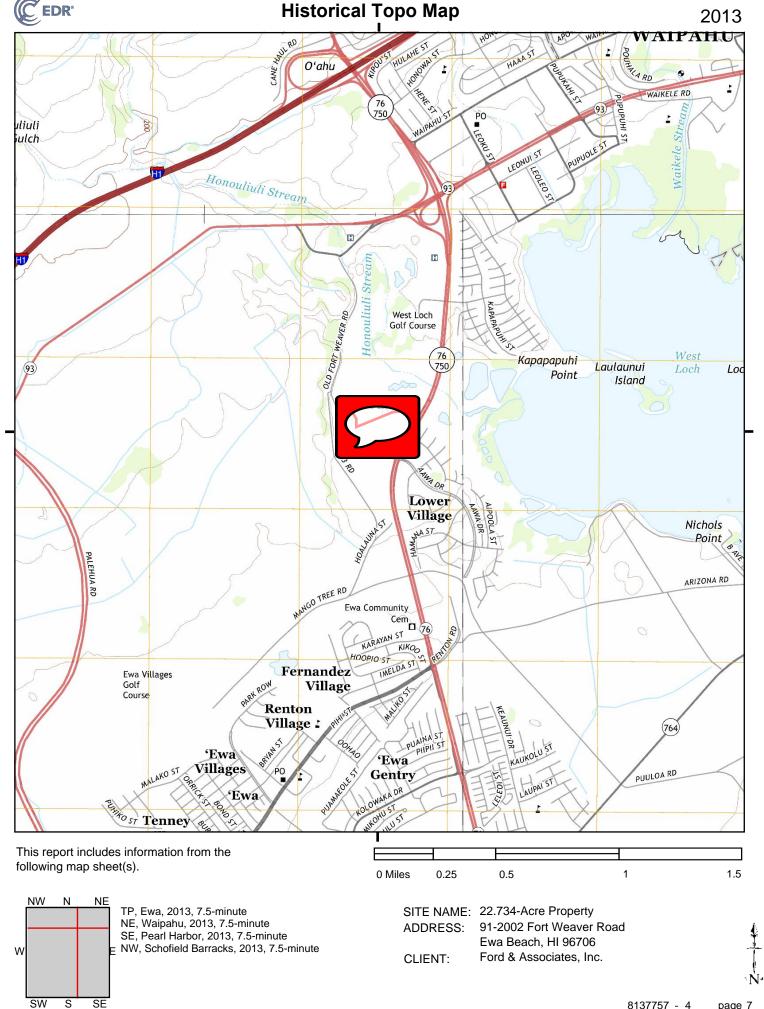


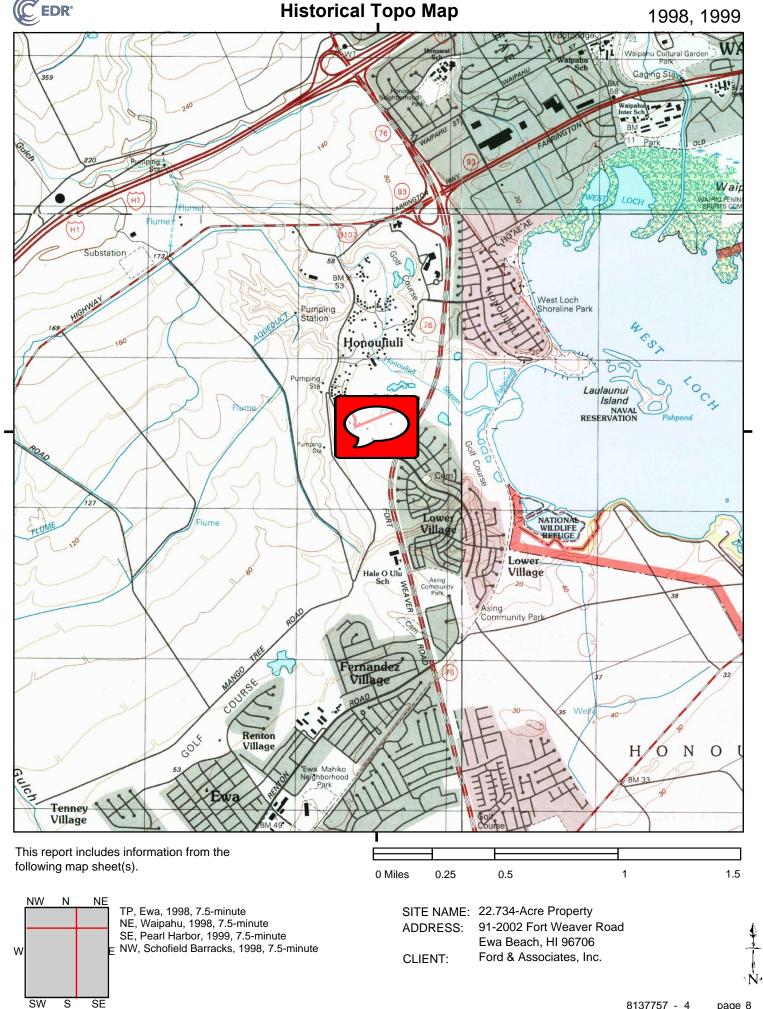
BARBERSPOINT 1928 7.5-minute, 20000



EWA 1930 7.5-minute, 20000

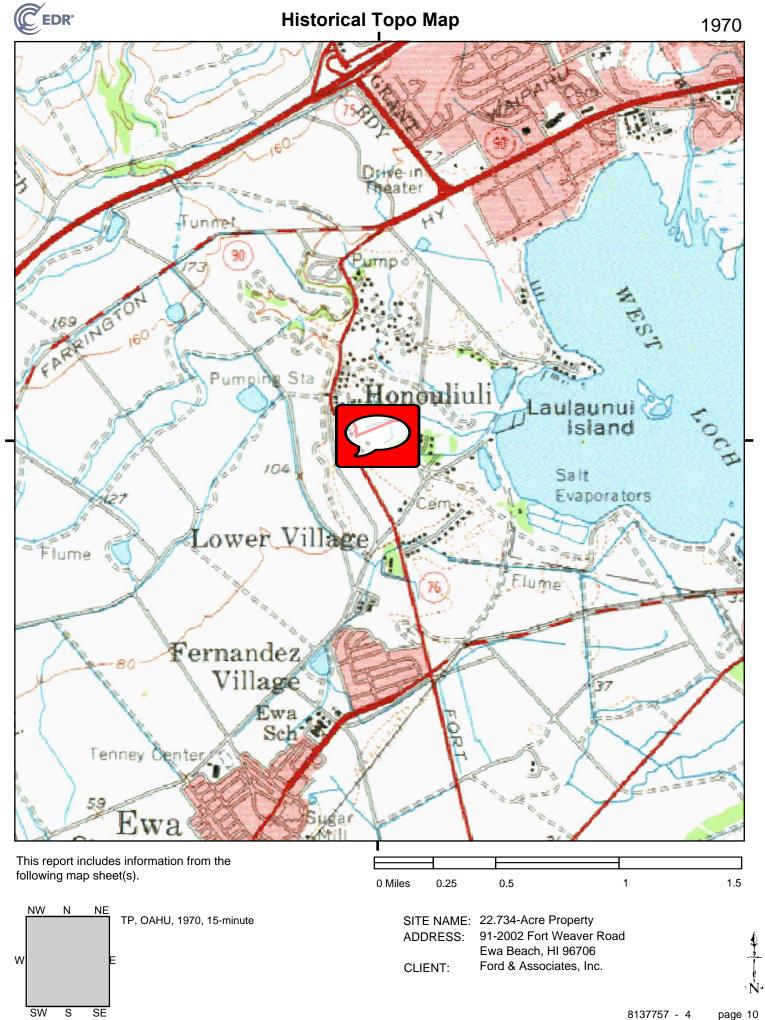


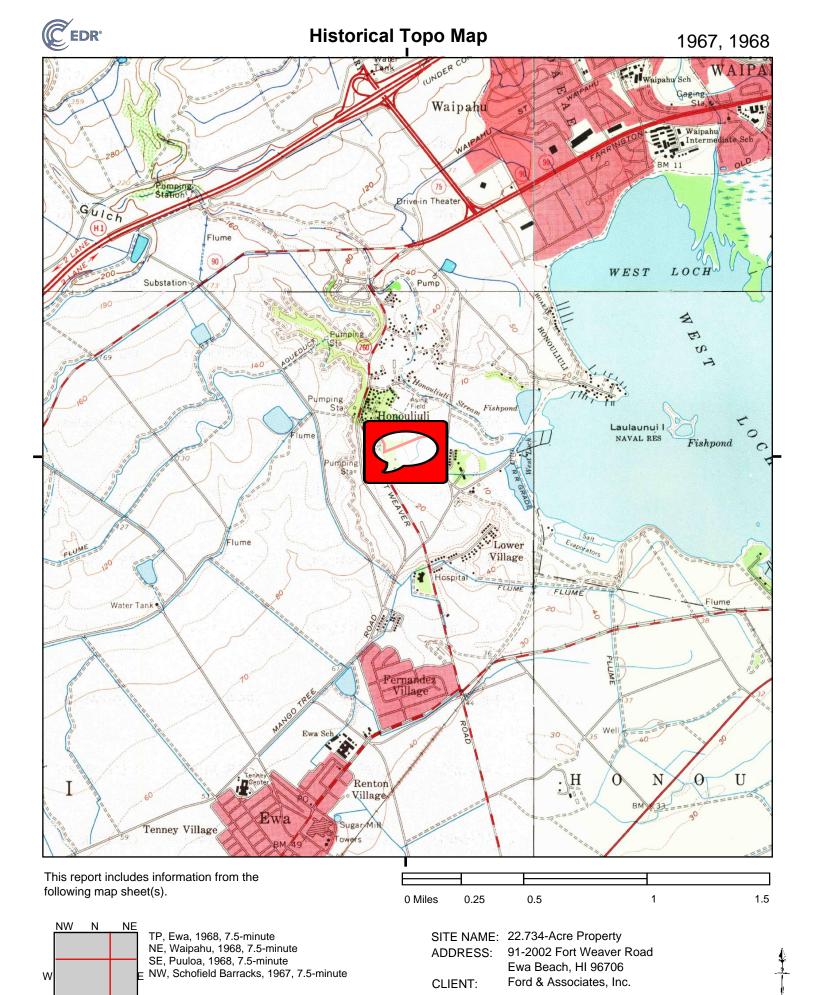




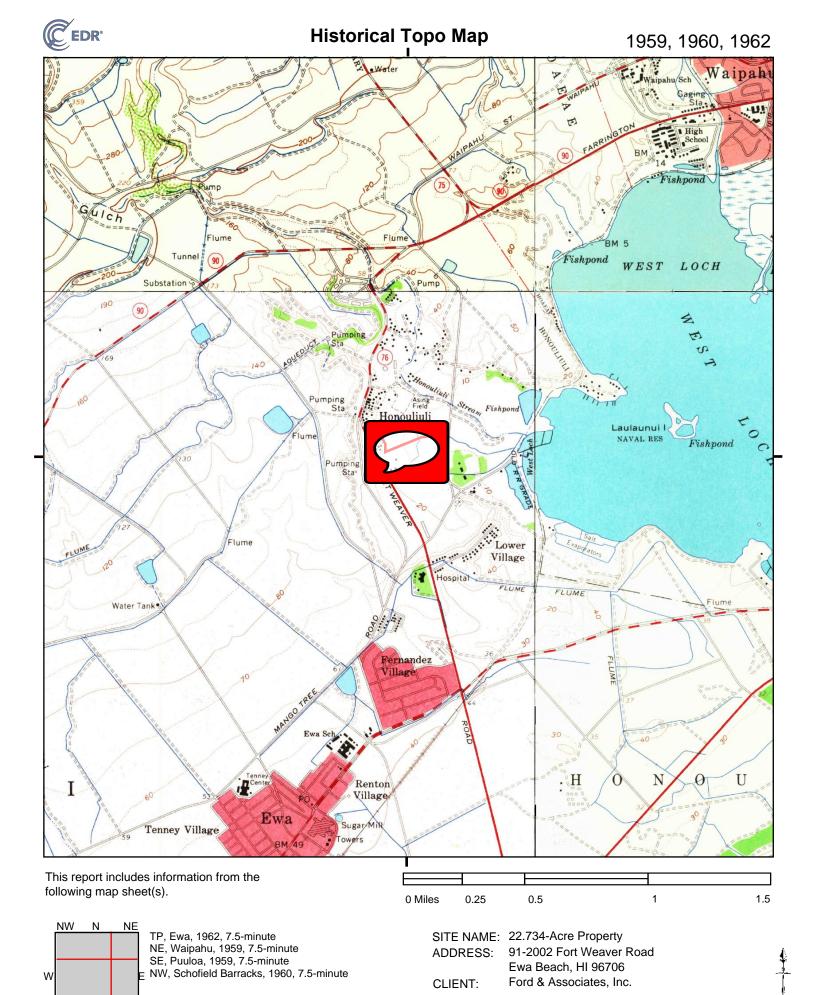
8137757 - 4

page 9





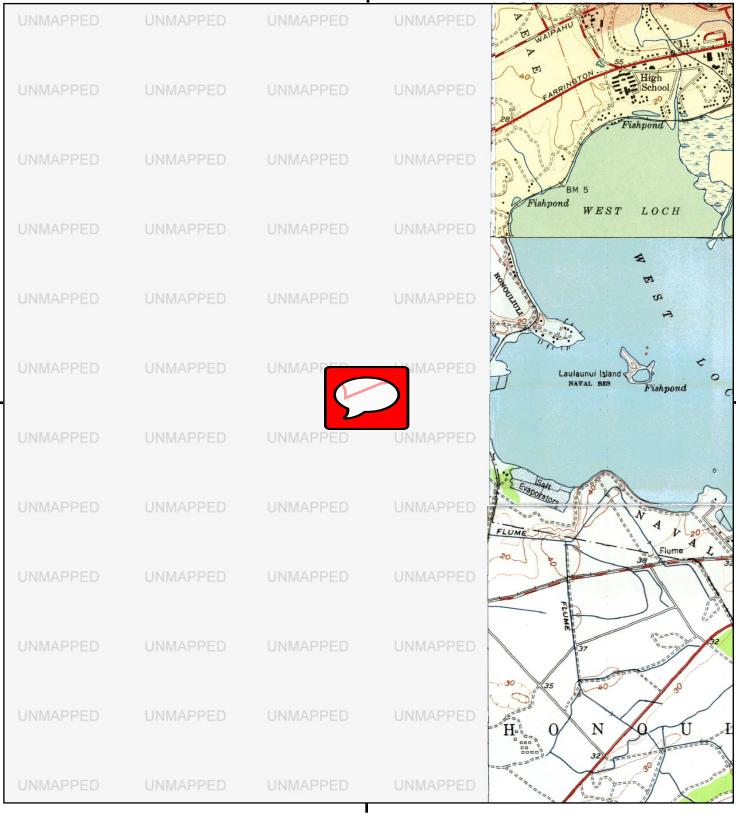
SE



SE



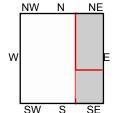
Historical Topo Map



0 Miles

0.25

This report includes information from the following map sheet(s).



NE, Waipahu, 1954, 7.5-minute E, HONOLULUVICINITYNORTH, 1954, 7.5-minute E, HONOLULUVICINITYSOUTH, 1954, 7.5-minute SITE NAME: 22.734-Acre Property
ADDRESS: 91-2002 Fort Weaver Road

0.5

Ewa Beach, HI 96706

CLIENT: Ford & Associates, Inc.



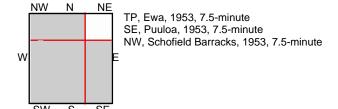
1.5

0 Miles

0.25

This report includes information from the following map sheet(s).

Tenney Village



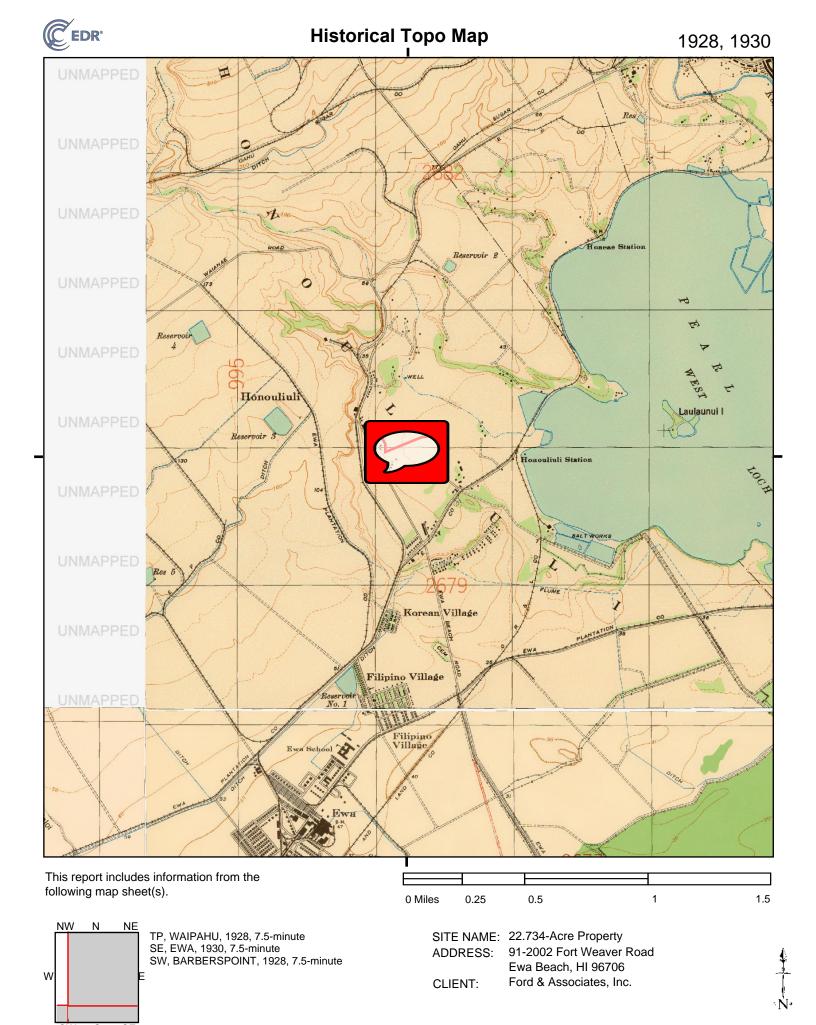
Ewa

SITE NAME: 22.734-Acre Property 91-2002 Fort Weaver Road ADDRESS:

0.5

Ewa Beach, HI 96706

CLIENT: Ford & Associates, Inc. 1.5



FORD & ASSOCIATES, INC. ENVIRONMENTAL SCIENTISTS & ENGINEERS

APPENDIX D

AERIAL PHOTOGRAPHS

22.734-Acre Property

91-2002 Fort Weaver Road Ewa Beach, HI 96706

Inquiry Number: 8137757.8

October 13, 2025

The EDR Aerial Photo Decade Package



EDR Aerial Photo Decade Package

10/13/25

Site Name: Client Name:

22.734-Acre Property Ford & Associates, Inc.

91-2002 Fort Weaver Road 928 Nuuanu Avenue, Suite 505

Ewa Beach, HI 96706 Honolulu, HI 96813 EDR Inquiry # 8137757.8 Contact: Tim Swartz



Environmental Data Resources, Inc. (EDR) Aerial Photo Decade Package is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's professional researchers provide digitally reproduced historical aerial photographs, and when available, provide one photo per decade.

Search Results:

Year	Scale	Details	Source
2022	1"=500'	Flight Date: December 15, 2022	USGS
2017	1"=500'	Flight Date: December 18, 2017	USGS
2011	1"=500'	Flight Date: January 25, 2011	USGS
2007	1"=500'	Flight Date: October 22, 2007	USGS
2005	1"=500'	Flight Date: April 12, 2005	USGS
2001	1"=500'	Flight Year: 2001	USGS/DOQQ
1992	1"=500'	Flight Date: September 25, 1992	USGS
1972	1"=500'	Flight Date: March 18, 1972	USGS
1968	1"=500'	Flight Date: February 06, 1968	USGS
1962	1"=500'	Flight Date: November 02, 1962	USGS

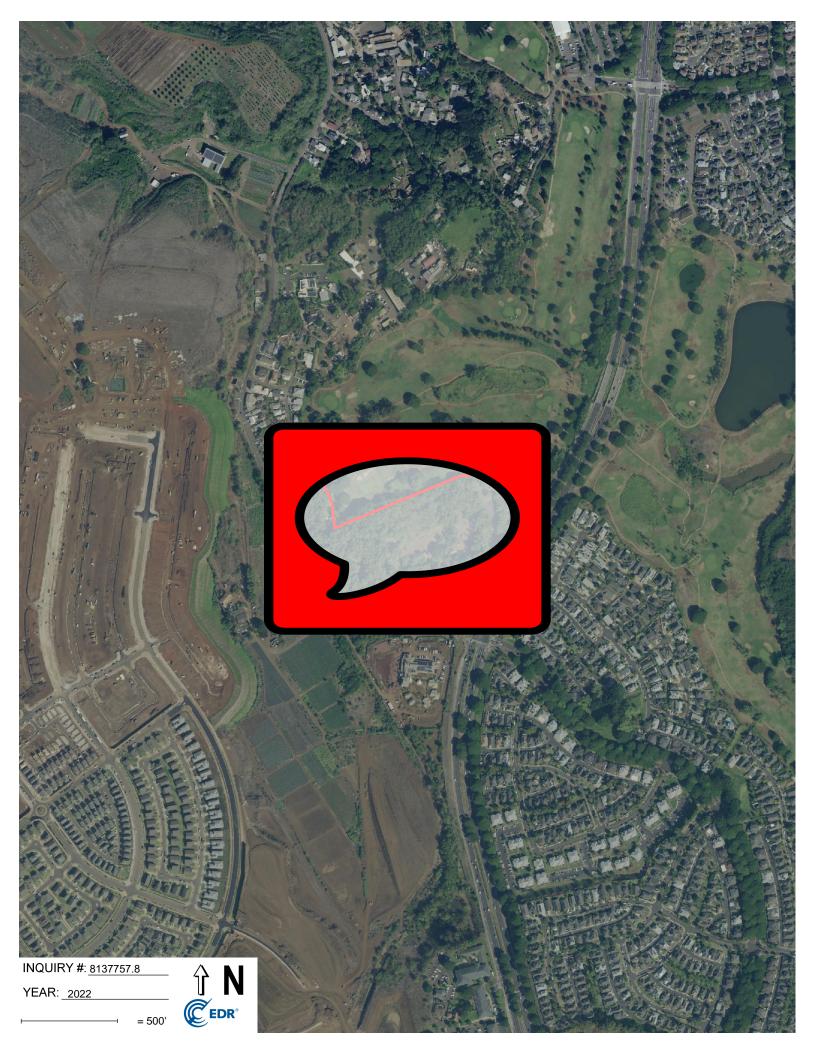
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APPENDIX E

SANBORN FIRE INSURANCE MAPS

22.734-Acre Property 91-2002 Fort Weaver Road Ewa Beach, HI 96706

Inquiry Number: 8137757.3

October 10, 2025

Certified Sanborn® Map Report



Certified Sanborn® Map Report

10/10/25

Site Name: Client Name:

22.734-Acre Property 91-2002 Fort Weaver Road Ewa Beach, HI 96706 EDR Inquiry # 8137757.3 Ford & Associates, Inc. 928 Nuuanu Avenue, Suite 505 Honolulu, HI 96813

Contact: Tim Swartz



The Sanborn Library has been searched by EDR and maps covering the target property location as provided by Ford & Associates, Inc. were identified for the years listed below. The Sanborn Library is the largest, most complete collection of fire insurance maps. The collection includes maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow, and others. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by the Sanborn Library LLC, the copyright holder for the collection. Results can be authenticated by visiting www.edrnet.com/sanborn.

The Sanborn Library is continually enhanced with newly identified map archives. This report accesses all maps in the collection as of the day this report was generated.

Certified Sanborn Results:

Certification # EB6C-4808-AE45

PO# NA

Project 25-2603

UNMAPPED PROPERTY

This report certifies that the complete holdings of the Sanborn Library, LLC collection have been searched based on client supplied target property information, and fire insurance maps covering the target property were not found.



Sanborn® Library search results

Certification #: EB6C-4808-AE45

The Sanborn Library includes more than 1.2 million fire insurance maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow and others which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

✓ Library of Congress

University Publications of America

▼ EDR Private Collection

The Sanborn Library LLC Since 1866™

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FORD & ASSOCIATES, INC. ENVIRONMENTAL SCIENTISTS & ENGINEERS

APPENDIX F

TITLE REPORT

PRELIMINARY REPORT

(No Liability Hereunder)

This report (and any revisions thereto) is issued solely for the convenience of the titleholder, the titleholder's agent, counsel, purchaser or mortgagee, or the person ordering it for the purpose of facilitating the issuance of a policy of title insurance by Title Guaranty of Hawaii, LLC and no liability will arise under this report.

SCHEDULE A

Title Guaranty of Hawaii, LLC (the "Company") hereby reports that, subject to those matters set forth in Schedule "B" hereof, the title to the estate or interest to the land described in Schedule "C" hereof is vested in:

ROMAN CATHOLIC CHURCH IN THE STATE OF HAWAII, a Hawaii nonprofit corporation, as Fee Owner

This report is dated as of October 27, 2025 at 8:00 a.m.

Inquiries concerning escrow should be directed to:

Escrow Officer - Barbara Paulo; Office: 808-521-0209

Email: bpaulo@tghawaii.com

Inquiries concerning this report should be directed to:

Title Officer - Reiko Crabtree; Office: (808) 539-7704

Email: rcrabtree@tghawaii.com

Please reference Order No. 7311474701, Escrow No. 7322410619

SCHEDULE B EXCEPTIONS

1. Real Property Taxes, if any, that may be due and owing.

-ITEM I:- is(are) covered by Tax Key: (1) 9-1-181-031. Real Property Tax Website: (1) 9-1-181-031

-ITEM II:- is(are) covered by Tax Key: (1) 9-1-181-037. Real Property Tax Website: (1) 9-1-181-037

-AS TO ITEM II:-

-Note:- Attention is invited to the fact that the premises covered herein may be subject to possible rollback or retroactive property taxes.

- 2. Mineral and water rights of any nature.
- 3. -AS TO ITEM I (PARCEL FIRST (LOT 37-B):-
 - (A) DESIGNATION OF EASEMENT "6627"

PURPOSE : access and utility

SHOWN : on Map 933, as set forth by Land Court Order

No. 132377, filed August 12, 1998

- (B) Access right over Easement "6627" in favor of Lot 344-B, as set forth by Land Court Order No. 132377, filed August 12, 1998, amended by Land Court Order No. 145676 filed April 23, 2002.
- (C) GRANT OF EASEMENT

TO : HAWAIIAN ELECTRIC COMPANY, INC., a Hawaii

corporation, and VERIZON HAWAII INC., a Hawaii

corporation, now known as HAWAIIAN TELCOM,

INC.

DATED : December 2, 2004

FILED : Land Court Document No. 3210592

GRANTING : right and easement for the transmission and

distribution of electricity being more

particularly described on map attached thereto

- (D) Matters arising out of, including any access and utility rights in favor of Royal Patent Number 2871, Land Commission Award Number 881, Apana 2 to Kikala, being Exclusion 25 of Land Court Application 1069, Tax Map Key designation (1) 9-1-021-016 and (1) 9-1-021-028, and Royal Patent Number 2871, Land Commission Award Number 881, Apana 1 to Kikala, being Exclusion 26 of Land Court Application 1069, Tax Key designations (1) 9-1-021-017 and (1) 9-1-021-29.
- 4. -AS TO ITEM I (PARCEL SECOND (LOT 344-B):-

Matters arising out of, including any access and utility rights in favor of Royal Patent Number 2871, Land Commission Award Number 881, Apana 2 to Kikala, being Exclusion 25 of Land Court Application 1069, Tax Map Key designation (1) 9-1-021-016 and (1) 9-1-021-028.

5. -AS TO ITEM I (PARCELS FIRST AND SECOND - LOTS 37-B & 344-B):-

The terms and provisions contained in the following:

INSTRUMENT: DECLARATION OF RESERVED RIGHTS

DATED : as of March 1, 2006

FILED : Land Court Document No. 3398323

RECORDED : Document No. 2006-039949

(Not noted on Transfer Certificate(s) of Title referred to herein)

The interest of the TRUSTEES UNDER THE WILL AND OF THE ESTATE OF JAMES CAMPBELL, DECEASED, in and to said Declaration of Reserved Rights, was by mesne assignment assigned to ROMAN CATHOLIC CHURCH IN THE STATE OF HAWAII, a Hawaii nonprofit corporation, by PARTIAL ASSIGNMENT AND ASSUMPTION OF RIGHTS AND OBLIGATIONS dated as of April 26, 2007 ("Effective Date"), filed as Land Court Document No. 3593230, recorded as Document No. 2007-074791.

(Not noted on Transfer Certificate(s) of Title referred to herein)

- 6. -AS TO ITEM II (LOT 17896-A):-
 - (A) Restriction of access rights as shown on Map 441, as set forth by Land Court Order No. 90652, filed July 28, 1988.
 - (B) Perpetual easements appurtenant to exclusions entitled thereto for right of way by necessity to the nearest public highway over such ways as now exist or may hereafter be lawfully substituted therefor, as set forth by Land Court Order No. 90652, filed July 28, 1988.
 - (C) Final Order of Condemnation in favor of the State of Hawaii, dated July 23, 1987, filed in the Circuit Court of the First Circuit, State of Hawaii, Civil No. 59313, filed as Land Court Document No. 1483355; re: any and all abutter's rights of access.
 - (D) The terms and provisions contained in the following:

INSTRUMENT: AMENDED DOCUMENT LISTING CONDITIONS AND PRE-

CONDITIONS TO RECLASSIFICATION

DATED : November 14, 1989

FILED : Land Court Document No. 1684751

(E) The terms and provisions contained in the following:

INSTRUMENT: UNILATERAL AGREEMENT AND DECLARATION FOR

CONDITIONAL ZONING

DATED : September 9, 1991

FILED: Land Court Document No. 1849708

PARTIES : THE TRUSTEES UNDER THE WILL AND OF THE ESTATE

OF JAMES CAMPBELL, DECEASED

ABOVE DECLARATION AMENDED BY INSTRUMENT

DATED : September 12, 1991

FILED : Land Court Document No. 1850615

(F) DESIGNATION OF EASEMENT 8270

REFERENCED: on Map 1219, as set forth by Land Court Order

No. 158377, filed October 4, 2004

(G) DESIGNATION OF EASEMENT 8271

REFERENCED: on Map 1219, as set forth by Land Court Order

No. 158377, filed on October 4, 2004

(H) GRANT

TO : HAWAIIAN ELECTRIC COMPANY, INC. and GTE

HAWAIIAN TELEPHONE COMPANY INCORPORATED now

known as HAWAIIAN TELCOM, INC.

DATED : January 25, 1996

FILED : Land Court Document No. 2311398

GRANTING : a right and easement for utility purposes

(I) GRANT

TO : TRUSTEES UNDER THE WILL AND OF THE ESTATE OF

JAMES CAMPBELL, DECEASED

DATED : December 8, 2004

FILED : Land Court Document No. 3205246

GRANTING : a nonexclusive right of way and easement for

underground pipeline purposes over, across, through and under Easement(s) 8270 and 8271

By ASSIGNMENT OF RIGHTS the interest of the TRUSTEES UNDER THE WILL AND OF THE ESTATE OF JAMES CAMPBELL, DECEASED, was assigned to JAMES CAMPBELL COMPANY, LLC, a Delaware limited liability company, by instrument dated as of June 28, 2018 (the "Effective Date"), filed as Land Court Document No. T-10416235.

(J) RESTRICTION OF VEHICLE ACCESS RIGHTS

ALONG : Fort Weaver Road Realignment

REFERENCED: on Map 1598, as set forth by Order filed as

Land Court Document No. T-9121151, filed

December 22, 2014

(K) GRANT

TO : CITY AND COUNTY OF HONOLULU, a municipal

corporation of the State of Hawaii

DATED : as of October 24, 2023

FILED : Land Court Document No. T-12413098

GRANTING : a nonexclusive right of way and easement for

underground pipeline purposes over, across, through and under Easement(s) 8270 and 8271

7. The terms and provisions contained in the following:

INSTRUMENT: TRUSTEES LIMITED WARRANTY DEED WITH RESTRICTIONS,

COVENANTS AND RESERVATION OF RIGHTS

DATED : July 23, 2002

FILED : Land Court Document No. 2824845

The foregoing includes, but is not limited to, matters relating to drilling of wells, drainage, utility rights and rights of kuleana owners.

By PARTIAL ASSIGNMENT OF RIGHTS the interest of TRUSTEES UNDER THE WILL AND OF THE ESTATE OF JAMES CAMPBELL, DECEASED, was assigned to JAMES CAMPBELL COMPANY, LLC, a Delaware limited liability company, by instrument dated as of March 24, 2015 (the "Effective Date"), filed as Land Court Document No. T-9235329. (Noted on Transfer Certificate of Title No. 917,614, affecting Lot 17896-A, however not noted on Transfer Certificate of Title Nos. 855,773, affecting Lot 37-B, and 855,734 affecting Lot 344-B.)

8. The terms and provisions contained in the following:

INSTRUMENT : LIMITED WARRANTY DEED WITH COVENANTS AND

RESERVATION OF RIGHTS

DATED : as of April 19, 2007

FILED : Land Court Document No. 3593228

- Any unrecorded leases and matters arising from or affecting the same.
- 10. Discrepancies, conflicts in boundary lines, shortage in area, encroachments or any other matters which a correct survey or archaeological study would disclose.
- 11. Any lien (or claim of lien) for services, labor or material arising from an improvement or work related to the land described in Schedule C herein.
- 12. This transaction may be subject to a FinCEN Geographic Targeting Order issued pursuant to the Bank Secrecy Act. Information necessary to comply with the order must be provided prior to closing. This transaction will not be insured until this information is submitted, reviewed and found to be complete.

END OF SCHEDULE B

SCHEDULE C

-ITEM I:-

-PARCEL FIRST:-

All of that certain parcel of land situate at Honouliuli, District of Ewa, City and County of Honolulu, State of Hawaii, described as follows:

LOT 37-B, area 2.620 acres, more or less, as shown on Map 933, filed in the Office of the Assistant Registrar of the Land Court of the State of Hawaii with Land Court Application No. 1069 of the Trustees under the Will and of the Estate of James Campbell, deceased

Being land(s) described in Transfer Certificate of Title No. 855,773 issued to ROMAN CATHOLIC CHURCH IN THE STATE OF HAWAII, a Hawaii nonprofit corporation.

BEING THE PREMISES ACQUIRED BY LIMITED WARRANTY DEED WITH COVENANTS AND RESERVATION OF RIGHTS

GRANTOR : AINA NUI CORPORATION, a Hawaii corporation

GRANTEE : ROMAN CATHOLIC CHURCH IN THE STATE OF HAWAII, a

Hawaii nonprofit corporation

DATED : as of April 19, 2007

FILED: Land Court Document No. 3593228

-PARCEL SECOND:-

All of that certain parcel of land situate at Honouliuli, District of Ewa, City and County of Honolulu, State of Hawaii, described as follows:

LOT 344-B, area 0.769 acre, more or less, as shown on Map 933, filed in the Office of the Assistant Registrar of the Land Court of the State of Hawaii with Land Court Application No. 1069 of the Trustees under the Will and of the Estate of James Campbell, deceased

Together with Together with access over Easement 6627, affecting Lot 37-B, to Fort Weaver Road (Exclusion 5), a public street, as set forth

by Land Court Order No. 132377, filed August 12, 1998, amended by Land Court Order No. 145676, filed April 23, 2002.

Being land(s) described in Transfer Certificate of Title No. 855,774 issued to ROMAN CATHOLIC CHURCH IN THE STATE OF HAWAII, a Hawaii nonprofit corporation.

BEING THE PREMISES ACQUIRED BY LIMITED WARRANTY DEED WITH COVENANTS AND RESERVATION OF RIGHTS

GRANTOR : AINA NUI CORPORATION, a Hawaii corporation

GRANTEE : ROMAN CATHOLIC CHURCH IN THE STATE OF HAWAII, a

Hawaii nonprofit corporation

DATED : as of April 19, 2007

FILED: Land Court Document No. 3593228

-ITEM II:-

All of that certain parcel of land situate at Honouliuli, District of Ewa, City and County of Honolulu, State of Hawaii, described as follows:

LOT 17896-A, area 19.345 acres, more or less, as shown on Map 1598, filed in the Office of the Assistant Registrar of the Land Court of the State of Hawaii with Land Court Application No. 1069 of the Trustees under the Will and of the Estate of James Campbell, deceased

Being land(s) described in Transfer Certificate of Title No. 917,614 issued to ROMAN CATHOLIC CHURCH IN THE STATE OF HAWAII, a Hawaii nonprofit corporation.

-Note:- Transfer Certificate of Title No. 917,614 was issued by Land Court Order No. 175809, filed August 1, 2008.

BEING THE PREMISES ACQUIRED BY LIMITED WARRANTY DEED WITH COVENANTS AND RESERVATION OF RIGHTS

GRANTOR : AINA NUI CORPORATION, a Hawaii corporation

GRANTEE : ROMAN CATHOLIC CHURCH IN THE STATE OF HAWAII, a

Hawaii nonprofit corporation

DATED : as of April 19, 2007

FILED : Land Court Document No. 3593228

END OF SCHEDULE C

GENERAL NOTES

1. There is hereby omitted from any covenants, conditions and reservations contained herein any covenant or restriction based on race, color, religion, sex, sexual orientation, familial status, marital status, disability, handicap, national origin, ancestry, or source of income, as set forth in applicable state or federal laws, except to the extent that said covenant or restriction is permitted by applicable law. Lawful restrictions under state or federal law on the age of occupants in senior housing or housing for older persons shall not be construed as restrictions based on familial status.

BUYER(S) LIEN INFORMATION

1. The Company finds no liens docketed against KALANIANAOLE DEVELOPMENT, LLC, a Hawaii limited liability company, the proposed purchaser(s).

GUIDELINES FOR THE ISSUANCE OF INSURANCE

- A. Taxes shown in Schedule B are as of the date such information is available from the taxing authority. Evidence of payment of all taxes and assessments subsequent to such date must be provided prior to recordation.
- B. Evidence of authority regarding the execution of all documents pertaining to the transaction is required prior to recordation. This includes corporate resolutions, copies of partnership agreements, powers of attorney and trust instruments.
- C. If an entity (corporation, partnership, limited liability company, etc.) is not registered in Hawaii, evidence of its formation and existence under the laws where such entity is formed must be presented prior to recordation.
- D. If the transaction involves a construction loan, the following is required:
 - (1) a letter confirming that there is no construction prior to recordation; or
 - (2) if there is such construction, appropriate indemnity agreements, financial statements and other relevant information from the owner, developer, general contractor and major sub-contractors must be submitted to the Company for approval at least one week prior to the anticipated date of recordation.

Forms are available upon request from the Company.

- E. Chapter 669, Hawaii Revised Statutes, sets forth acceptable tolerances for discrepancies in structures or improvements relative to private property boundaries for various classes of real property. If your survey map shows a position discrepancy that falls within the tolerances of Chapter 669, call your title officer as affirmative coverage may be available to insured lenders.
- F. The right is reserved to make additional exceptions and/or requirements upon examination of all documents submitted in connection with this transaction.
- G. If a policy of title insurance is issued, it will exclude from coverage all matters set forth in Schedule B of this report and in the printed Exclusions from Coverage contained in an ALTA policy or in the Hawaii Standard Owner's Policy, as applicable. Different forms may have different exclusions and should be reviewed. Copies of the policy forms are available upon request from the Company or on our website at www.tghawaii.com.
- H. Please be aware that due to the conflict between federal and state laws concerning the cultivation, distribution, manufacture or sale of marijuana, the Company is not able to close or insure any transaction involving Land that is associated with these activities.

FORD & ASSOCIATES, INC. ENVIRONMENTAL SCIENTISTS & ENGINEERS

APPENDIX G

CITY DIRECTORY

22.734-Acre Property 91-2002 Fort Weaver Road

Ewa Beach, HI 96706

Inquiry Number: 8137757.5 October 15, 2025

The EDR-City Directory Image Report

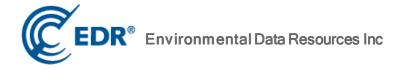


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Findings

City Directory Images

Thank you for your business.

Please contact EDR at 1-800-352-0050 with any questions or comments.

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EXECUTIVE SUMMARY

DESCRIPTION

Environmental Data Resources, Inc.'s (EDR) City Directory Report is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Report includes a search of available business directory data at approximately five year intervals.

RECORD SOURCES

The EDR City Directory Report accesses a variety of business directory sources, including Haines, InfoUSA, Polk, Cole, Bresser, and Stewart. Listings marked as EDR Digital Archive access Cole and InfoUSA records. The various directory sources enhance and complement each other to provide a more thorough and accurate report.

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RESEARCH SUMMARY

The following research sources were consulted in the preparation of this report. A check mark indicates where information was identified in the source and provided in this report.

<u>Year</u>	Target Street	Cross Street	<u>Source</u>
2022	$\overline{\checkmark}$		EDR Digital Archive
2017	$\overline{\checkmark}$		Cole Information
2010	$\overline{\checkmark}$		Cole Information
2005	$\overline{\checkmark}$		Cole Information
2000	$\overline{\checkmark}$		Cole Information
1995	$\overline{\checkmark}$		Cole Information
1992			Cole Information
1974			General Telephone Co
1962			General Telephone Co
1957	$\overline{\checkmark}$		General Telephone Co
1950			General Telephone Co

FINDINGS

TARGET PROPERTY STREET

91-2002 Fort Weaver Road Ewa Beach, HI 96706

<u>Year</u>	<u>CD Image</u>	<u>Source</u>
FORT WE	AVER RD	
2022	pg A2	EDR Digital Archive
2017	pg A23	Cole Information
2010	pg A26	Cole Information
2005	pg A33	Cole Information
2000	pg A39	Cole Information
1995	pg A43	Cole Information
1992	pg A49	Cole Information
1974	pg A53	General Telephone Co
1974	pg A54	General Telephone Co
1962	pg A55	General Telephone Co
1962	pg A56	General Telephone Co
1957	pg A57	General Telephone Co
1950	pg A58	General Telephone Co

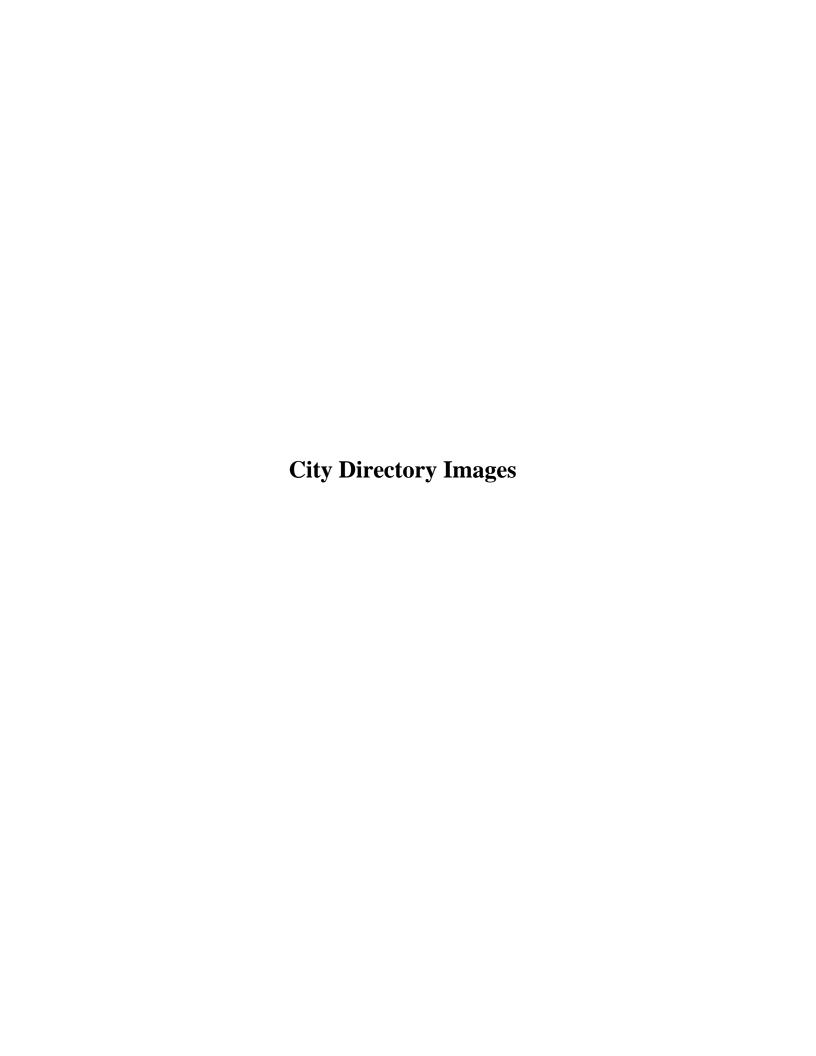
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FINDINGS

CROSS STREETS

No Cross Streets Identified

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FORT WEAVER RD 2022

91 AARON MUKAI

AGNES TAUYAN

ALAN YAMADA

ALICIA MALUAFITI

AMBER SMITH

ANGELA RIGNEY

ANIANO GIONSON

ANTHONY INOVEJAS

BAUDELIA MARCHAN

BENEDICTO SALVIEJO

BOBBY GARCIA

BOYD TOKUHIGA

CALVIN PAGHARION

CARMEN MIYAHARA

CARMEN PIMENTEL

CELESTE DOMINGO

CHESLEY GIMENEZ

CHOI SETLES

CLEMENTE BALBOA

DANIEL MAGLANGIT

DANIEL NICHOLS

DANILO MANUEL

DANILO PASION

DIEGO RIVERA

DUANE SUGIOKA

ELMER AQUINO

EMIL NERONA

FIDEL OSORIO

FRED MURATA

HAR PANG

HATLEY LE

HAUNANI OASAY

HELEN NITANI

HENRY TABIOS

HONORIO VILLON

I HWANG

ILNAM OH

JANEEN WOELLHOF

JASON KORNEGAY

JAY RENGUUL

JESTIN LOWERY

JESUS IGLESIA

JOHN HATA

JUANITO GAGARIN

JULIE BONILLA

KATHERINE TANDAL

KEPUELI TUPOU

LAUFATU MATAIPULE

LETICIA YAGIN

LINCOLN KURATSU

FORT WEAVER RD 2022 (Cont'd)

91 LISA LEACH
LUCINDA ALVARICO
LYNETTE SMITH
MARISSA GUILLERMO
MARK ORNELLAS
MARK PARADO
MELE CARAANG
MERLINA RESPICIO
MICHAEL NELSON
MONA CRUDO
PABLO BAYANG

PETER ONGOY

PRISCILLA KOBASHIGAWA RANDY JAVAR

PEDRO NAZARENO

RAUL LADIANA

REBECCA NACORDA RICHARD VERDADERO

ROMIE BERSALONA

RONALD BRADBURY

RONIE ARISTA

ROQUE SARAGOZA

SAIFOLOI SAIFOLOI

SHERWIN BAYARI

STEPHEN ALEXANDER

STEVEN MIYASHIRO

TEODY RARALLO

THOMAS ROLON

VERNON KLEINSCHMIDT

VICTORIA ROY WARREN KONO

WEI HO

WENDELL HO

WILBERT HO

XAN CHEN

ZALDY AGUILAR

914 BURGER KING

JESSYCA CEASAR

91050 BRYAN GRADY

EWA BEACH GOLF CLUB

91069 NORA HO

91095 KEVIN ORNELLAS

LAURIE ORNELLAS

MARK ORNELLAS

91127 BAUDELIA MARCHAN

RUSSELL MARCHAN

91133 CHELSEA WILSON

HOWARD WILSON

PAULA WILSON

91137 PRIMA BAKER

Target Street Cross Street Source

→ EDR Digital Archive

FORT WEAVER RD 2022 (Cont'd)

	· · · · · · · · · · · · · · · · · · ·
911	
	MONTANA CRUDO
	PHILIP CRUDO
044	SARAH CRUDO
	47 CELESTE DOMINGO
911	
911	
044	SHAREE YAGIN
-	73 JERRICK YANG
911	77 MARISSA GUILLERMO
	SHEILA GUILLERMO VICTORIANO GUILLERMO
911	
911	YVONNIE NERONA
911	
911	KIMBERLY TODD
	WILLIAM TODD
011	93 CANDY DELFIN
311	JAZMINE DELFIN
	JUSTIN DELFIN
912	
912	
912	
012	LOTOMUA SAIFOLOI
	TAUA SAIFOLOI
912	
	KRISTEN ONGOY
	MAKENA ONGOY
	PETER ONGOY
912	31 KEVIN NACORDA
	REBECCA NACORDA
912	35 EVA SHEAR PA
912	39 HOWARD F NEUDORF
	HOWARD F NEUDORF MD
	JESUS IGLESIA
912	
	PAULINE NICHOLS
912	
	FLO LACASANDILE
	JAIME LACASANDILE
912	
	TRICIA RENGUUL
912	
	CHAD AOKI
	KIMBERLY AOKI
0.40	MAURICE AOKI
912	
	NATHAN ECKSTEIN NATIONAL OCEANIC AND AT
	NATIONAL OCEANIC AND AT NATIONAL WEATHER SERVICE
	INATIONAL WEATHER SERVICE

Target Street Cross Street Source

→ EDR Digital Archive

FORT WEAVER RD 2022 (Cont'd)

		- (
	~ - ·	
	271	ELIZABETH SIMS
912	275	ANDRE ESTANIQUI
		JANEEN ESTANIQUI
	279	SHERWIN BAYARI
	285	ALICIA MALUAFITI
912	291	RANDY JAVAR
		SANDRA JAVAR
	295	MIKE GARCIA
913	303	MERLE TABIOS
913	313	RICKY VERDADERO
913	317	GEORGE MONIZ
		KEITH STEADMAN
	323	MARCELA CABAEL-SUEOKA
913	329	CORY VIDINHA
		WARREN VIDINHA
	339	LORI LINDBLAD
	343	ROWENA PREVOST
	349	MICHAEL VIERRA
	359	HATLEY LE
913	363	JOCELYNN CACHUELA
		MANUEL CACHUELA
	369	STEPHEN ALEXANDER
913	373	COLLEEN NAKAMOTO-INOUYE
		MIKE INOUYE
913	383	MARIA ROY
		VICTORIA ROY
913	389	LAUFATU MATAIPULE
		TULILOA MATAIPULE
	393	JENIFER PACHECO
914	405	ESPERANZA ANGUAY
		FRANCISCO ANGUAY
914	411	CHRISTOPHER BONILLA
		JULIE BONILLA
914	415	AURELIANA MANUEL
		DANILO MANUEL
_		DANNY MANUEL
	429	MESSAGE OF PEACE MINISTRY
914	431	BRYAN NATIVIDAD
_		CHERYL NATIVIDAD
	441	DAVIN HADUCA
914	447	CALVIN PAGHARION
		LESLIE PAGHARION
914	451	DESMOND BALBIN
		DIGITAL JOCKEY MULTIMEDIA PRODUCTIONS
		MICHELLE BALBIN
914	457	DON FUKUHARA
		HOSEN FUKUHARA
_	461	VIRGINIA ANANA
914	471	BRANDI YOSHIDA
		DENISE YOSHIDA

FORT WEAVER RD 2022 (Cont'd)

	,
04.477	
91477	BRAD KLOPP
04400	JOANNE KLOPP
91483	ELPIDIO ORALLO
91511	ZOSIMA LOPEZ
91517	DEBRA ARABIA
91525	CLIFORD DAOANG
	ERLINDA DAOANG
	MARYLIN DAOANG
91545	CHESTER DAOANG
91555	MELONIE MUAGUTUTIA
91561	LISA VLACHAKIS
91593	PANTALEON BACA
91617	GORIA NAZARENO
	JENNIFER NAZARENO
	PEDRO NAZARENO
91635	RODOLFO ALONZO
91645	HAUNANI OASAY
	KRISTIN OASAY
91653	SARAH KREGER
91661	CARMEN PIMENTEL
91679	DEBORAH STOCKMAN
	HENRY KUHN
	MESSIAH LUTHERAN CHURCH
	MESSIAH LUTHERAN SCHOOL OF OAH
91691	TERRY PETROVICH
91705	MAYNE STEPHENS
91711	ELVIEMARIE QUEMADO
91737	BERNADETTE KURCH
31707	CHRISTY PUNO
	DANNETTE LACADEN
	EVELINA FUATAGA
	JENNIFER KUSTERBECK
	JOSEPH PUNO
	JOYCELYN MANZANO
	JULIE TASI
	LOPES ALEXANDER
	MANZANO ALLEN
	NORALINE BROOKS
	RAMON VILAR
	ROSA SANCHEZ
	ROXANNE MAWAE
	TYWANDA SMITH
0.4==0	VELARIE FUATAGA
91750	AVIS CARDONA
	KANEOHE ELEMENTARY SCHOOL
	POHAKEA HEAD START
A	SHANNON ANCHETA
91759	RAUL LADIANA
	VIOLETA LADIANA
91765	LESTER BATUL

FORT WEAVER RD 2022 (Cont'd)

91765 MARIO SELGA

91779 BADGES HAWAII

JAYNE KLEINSCHMIDT LETITIA COFFMAN

VERNON KLEINSCHMIDT

91811 HAROLD BAYANG

LUISA BAYANG

91831 EWA MART

SU HWANG

91884 BERTRAND

SEIGAKU

CHANTELL SMEISSER

DIONE HULEN

EWA BEACH COMMUNITY BASED DEVELOPMENT ORGANIZATION

ILIMA INTERMEDIATE SCHOOL

KMS

WAIPAHU INTERMEDIATE SCHOOL

91902 ALLSTATE INSURANCE COMPANIES

ALOS INSURANCE FINANCIAL SVC.

BOBA CAFE

BRANDON YOKOTA

BRANDON YOKOTA DDS

COLIN ALOS

COVETED PERMANENT COSMETICS

DIXON MARC AGT

EWA BEACH MEDICAL CLINIC

FRELYNN KAHALEHILI

GAERLAN-TOKUNA, JOJI DDS

H&R BLOCK

HAWAII GOLD BUYERS EXCHANGE

ISLAND REALTY GROUP LLC

JOSEPHINE GAERLAN

L&L FASHION NAILS

LEOS PAINTING

MARK DIXON

MARK Y SHIMAO

MODESTA GAERLAN-TOKUNA

PAYDAY LOANS & CHECK CASHING STORE

RHONDA THOMPSON

SAITO & PHO RESTAURANT LLC

SHERI SANCHEZ

SHIMAO MARK Y DDS INC

STATE FARM

TAYLOR A TOKUNAGA

TAYLOR TOKUNAGA

TOKUNAGA FAMILY DENTISTRY

TURNING POINT CHIROPRACTIC

YOSHITAKA SAITO

91909 EWA BEACH CHEVRON

MARK BAKER

FORT WEAVER RD 2022 (Cont'd)

91919 1ST HAWAIIAN BANK

AMERICAN SAVINGS BANK

ANNA KOBASHIGAWA

AUTOZONE

CELINA M HATT

CVS PHARMACY

CYNTHIA HERMRA

DAVAN LEE

EWA BEACH ANIMAL HOSPITAL

FANTASTIC SAMS

FIRST HAWAIIAN BANK EWA BEACH BRANCH

FOODLAND SUPER MARKET

GARETTE NAKAMURA

HATT CELINA M DVM

JASON LAM

JUNG JA CHOCK

LITTLE CAESARS PIZZA

LOCO MOCO DRIVE INN

MARY PAGAN

MCDONALDS

RICHARD QIAMZON

SHIROS SAIMIN HAVEN

THE PET DEPOT

TISH ROTHWELL

WILSON LAU

91923 DON SHEPHERD

PUBLIC STORAGE

91928 CALVARY CHAPEL WEST OAHU PRESCHOOL

CHARLES COUCH

SENESCHAL GROUP PTE. LTD

91934 ELISSA ARISTA

RONIE ARISTA

91936 ASAKO SUWA

PATTI SUWA

91940 AMBER SMITH

SUSANNA SMITH

91942 SUSANA HO

91946 CHERYL KOBASHIGAWA

PRISCILLA KOBASHIGAWA

91950 FE DUREMDES

91952 EPIFANIO PACQUING

RONALD PACQUING

91954 CELINA HATT

91958 JESSIE BALDONADO

LEAHMAE BALDONADO

NEMESIO BALDONADO

91960 CARMEN MIYAHARA

91964 KATHERINE TANDAL

91966 DANILO PASION

JUSTYN PASION

FORT WEAVER RD 2022 (Cont'd)

91966 ZENAIDA PASION ZENY PASION 91970 CHRISTIAN IGNACIO RODNEY IGNACIO 91972 ARACELI VILLAREAL DARIAN VILLAREAL 91976 ADELINE CARAANG **CARLYNN CARAANG** MELE CARAANG 91980 **ROGER INOVEJAS** TRACY INOVEJAS 911002 MANILYN NAGTALON 911004 IRENE LEONG 911008 BOYD TOKUHIGA GENEVIEVE TOKUHIGA 911010 LUCINDA ALVARICO 911014 LILLIAN BOWLIN 911016 JANET CORDEIRO KAINANI CORDEIRO 911020 DAISY YOSHIMURA NATHAN YOSHIMURA 911022 CHARLOTTE SUGIOKA **DUANE SUGIOKA KEAHI SUGIOKA** 911026 JOSEFINA BERSALONA ROMIE BERSALONA 911030 PAULINE MOLIA 911032 HEATHER EVANS MAUREEN EVANS WILLIAM EVANS 911034 CATHERINE MAGLANGIT DANIEL MAGLANGIT DIANA MAGLANGIT 911038 HONORIO VILLON JENNI VILLON **ROSITA VILLON** VANESSA VILLON 911040 CATHYRINA MIYASHIRO MARY MIYASHIRO STEVEN MIYASHIRO 911056 PAULA WILSON TIMOTHY WILSON 911200 BIRD OF PARADISE RESTAURANT HAWAII PRINCE GOLF CLUB HAWAII PRINCE HOTEL WAIKIKI HAWAIIUSA FEDERAL CREDIT UNION PEARLS KOREAN BBQ **ROSS BUTTERFIELD** SCOTT UYEHARA WALTER PREZA

FORT WEAVER RD 2022 (Cont'd)

911200 WILLIAM SUCKOLL 911401 ACACIA JEWELRY

ACCESS MEDICAL CLINICS

ALYSSA FUKUCHI

ANGELIKA MARCHELLO

BRYAN YAMASHIRO

CHRISTINA MARTINEZ

CLINICAL LABS OF HAWAII

DEAN HASHIMOTO

EWA SEED CO

FOODLAND GAS STATION

GORDON NAKAYAMA

JO-ANNDMD QUENGUA-ATIENZA

JULIE LE

KEN NASCIMENTO

KUBO TODD MD JD

L & L DRIVE-INN

L&L HAWAIIAN BARBECUE

LONGS DRUGS

LOVELY NAILS 2

PATRICK LEE

PEARL HAWAII FEDERAL CREDIT UNION

RAMEN-YA

RAY THOMPSON

RAYMOND THOMPSON

RONNIE ATIENZ

STACY MCKEAN

SUBWAY

SUPERCUTS

TASTE OF HONG KONG

THE TOOTH FAIRY

THOMPSON RAYMOND D MD

TIMMY NGUYEN

TODD KUBO

TOOTH FAIRY

YAMASHIRO BRYAN Y MD

911669 7-ELEVEN

HELE

911717 ERIN KANE

HONOLULU FEDERAL CREDIT UNION

KATHY YORONG

SIMPLY NICE SALON LLC

WEST OAHU COMMUNITY FCU

ZIPPYS RESTAURANTS

911821 STATE OF HAWAII HUMAN RESOURCES DEVELOPMENT DEPARTMENT

911837 SECOH ADULT DAY CARE CENTER PEARL CITY

911841 ALIPIO DEBORAH

ANN HSU

CHILD & FAM SRV-HALE OULU SCH

CHILD & FAMILY SERVICE

FORT WEAVER RD 2022 (Cont'd)

911841 CHILD & FAMILY SVC

CHILD AND FAMILY SERVICE

DAMON CLARK

DAMON J CLARK

GLOVER SUMMER

GREGG K KAUIHOU

HALE O ULU SCHOOL

JENIFER NAKANO

KAMAAINA KIDS -EWA AT CFS

KRISTIN HARTLEY

LORENA ESCOBER

NADIA HUNKIN

NICOLE SHIMASAKI

PARENT LINE

ROXANNE ODA

STACEY A YIM

STACEY YIM

SUNSHINE JODWAY

SUNSHINE S JODWAY

WORK LIFE HAWAII

912058 SUNNIE RILVERIA

912062 DENISE KURATSU

LINCOLN KURATSU

912064 JANINE QUISANO

912068 BERNADETTE HEAFNER

912074 BENEDICTO SALVIEJO

HENRY SALVIEJO

HERMINIA SALVIEJO

912078 SOUTH SIDE INK

912103 DENISE YOSHIDA

912106 BEATRICE MURATA

DANIEL YAMAMURA

EVAN YOUNG

WAINANI YOUNG

912114 DEREK KAMIKAWA

912116 DOMINIC GATTI

912126 C & S SERVICES INC

DONOVAN PANTASTICO

P AND D ACOSTA LLC

SOLID TOWING

WILLIAM CALIEDO

912127 HOSPICE ST FRANCIS

JOY YADAO

912128 ABIGAIL PONTIUS

ADOPT INTERNATIONAL-HAWAII

ALANA GALI

ALBERTA ARNOLD

AMANDA BOLGREN

AMOGH SAHAI

AMOGH SAHAI MD

FORT WEAVER RD 2022 (Cont'd)

912128 AMY YOCUM

ANASTASIA AYERS

ANN KONISHI

ANN M KONISHI

ANTHONY AGSALDA

APISALOMA SAVINI

APRIL A LIMCOLIOC

APRIL LIMCOLIOC

ARASI E MOSE

ARASI MOSE

ASHLYN LEMIRE

AULII CANENCIA

BAYLENE KAHOANO

BENEFICIAL SERVICES

BERT K W WONG MD

BERT WONG

BIKRAM SAHDEV

BIKRAM SAHDEV DDS

BJORN RAMOS

BLAINE K YOSHIOKA

BLAINE YOSHIOKA

BONNIE CASTONGUAY

BOYUAN CAO

BOYUAN CAO MD

BRAD BH CHING INC

BRANDON KAUHI

BUBBA GUMP SHRIMP CO

CALVIN M MIURA INC

CALVIN MIURA

CANDICE FRAGAS

CARL GALLARDO

CAROLINE HAMATAKE

CAROLINE K HAMATAKE

CARRIE KAHAWAI

CERISSA PAYMENT

CHAD LOWNDES

CHAELYN RIVERA

CHANEL BOUTIQUE

CHARLENE SUMIDA

CHARLEYS TAXI & TOURS

CHERYL NAKAGAWA

CHESTER KAMAKAI

CHIKS AUTO AIR & ALIGNMENT

CHRISTINE MALINO

CINDY IMAI

CLASSIC COINS HAWAII INC

CLAYTON A EVERLINE MD

CLAYTON EVERLINE

CLINT CHIKAMORI

COLIN KEALOHA

FORT WEAVER RD 2022 (Cont'd)

912128 CRAIG SUEMORI

CYNTHIA GALLARDE

CYNTHIA SHIRAISHI

DALE EVANS

DAVID B MC EWAN MD

DAVID E ROTH MD

DAVID K WONG

DAVID MCEWAN

DAVID ROTH

DAVID WONG

DEVIN WASHINGTON

DIANA PUAHALA

DIANE QUALTROUGH

DIANE TUALA SAO

DOI LUKE ATTORNEYS AT LAW LLLC

DOLLAR RENT A CAR

DONG HWA SHOPPING CENTER

DONNA A WUESTE

DONNA WUESTE

DORI TYAU

DOUGLAS HO

ELISE KOLBREK

ELLEN GILLIA

EMILIE WILLIAMS

ERIC COLLIER

ERIN HARTY

ERIN LOREDO

ESTEE FLETTER

FERTILITY INST OF HAWAII

FIAAVAE LEILUA

FOLAFOLA TOEAINA

FREDDIELYNN WILSON

GEORGE GILMORE

GINA L TANAKA

GINA TANAKA

GREGG HESLIN

GRETCHEN QUINN

HALE KIPA INC

HAWAII EAR NOSE & THROAT

HAWAII VEIN INSTITUTE

HAWAIIAN ISLAND ICE INC

HEATHER BEECHER

HEBER PRESTON

HENNIGER HENNIGER INC

HERB LEONG

HMA INC

HOOKELE HEALTH NAVIGATORS

IAN J YOUNG LAW OFFICE

IAN YOUNG

IEVAN HENRIQUES

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FORT WEAVER RD 2022 (Cont'd)

912128 ISAIAH BROCK

JACO VAN DELDEN

JACO VAN DELDEN PHYSICAL REHABILITATION

JAIME AHMED

JAMIE CRUZ

JASMINE CHEN

JASON KAMEZAWA

JASON KAMEZAWA DDS

JAY DUFFY

JAYSON JAVIER

JENNIFER SCOTT

JENNIFER TUBANIA

JIMI DIRKS

JODDY MANUWAI

JODI ERICKSON

JOSEPH SULLIVAN

JOSEPHINE ALBERT

JUNE AE HA

JUNE HA

KACY M NEKOBA

KACY NEKOBA

KAM WILMA S L MD

KANOA PAGADUAN

KAPUALANI NAEOLE

KATHLEEN BAKER

KATHLEEN E BAKER

KATIE KEKUA

KEHAULANI YAMAGUCHI

KELLEY STREADBECK

KENNETH A MARTYN ATTORNEYS AT LAW

KENNETH MARTYN

KOICHIRO TOGO

KULAOKAHUA APARTMENTS

KURT KAJIYAMA

KURT Y KAJIYAMA

LA DAUB

LA VAUN DAUB

LAURA KIYABU

LAURATINA POYER

LENA OSTERLUND

LETICIA L NAGATA

LETICIA NAGATA

LIANA VOSSEN

LIANNE KOKI

LIANNE T KOKI

LILLIANA RANGEL

LINDA QUEJADO

LISA C ST JOHN

LISA SHUMAN

LISA ST JOHN

FORT WEAVER RD 2022 (Cont'd)

912128 LISETTE BLUMHARDT

LISETTE S BLUMHARDT

LIVINGSTONE TAUVAO

LOIS E KAKUNI

LOIS KAKUNI

LOWELL REED

LPL FINANCIAL

LUCIELLE MENDEZ

LUCKY ITO

LULULEMON ATHLETICA

LYDIA SEUMANU

LYNETTE LABASAN

LYNETTE LABASAN PHD

LYNETTE MANOSA

LYNNE SILVER

MAE JEREMIAH-WONG

MAE P JEREMIAH-WONG

MAIMUN YUSUF

MANU IWA AIRWAYS INC

MARIANA ABDALLA

MARIANA ABDALLAH

MARILYN SAKAMAKI

MARIT E JOHNSON

MARIT JOHNSON

MARJA QUEYQUEP

MARK KLASCHKA

MARLON APIO

MEGAN HEINSOHN

MEL AOKI

MELANNY LESSARY

MELISSA NOVIKOFF

MICHAEL A TURNER

MICHAEL TURNER

MICHAEL VANLANGEVELD

MICHAEL VANLANGEVELD OD

MILTON ACKERMAN

MILTON ACKERMAN INC

MORGAN-LEE VILLALON

MOUNU MATAELE

MYRNA MATSUEDA

NATHANIEL CUSHMAN

NICOLE FERNANDEZ

OLAF GITTER

OLAF K GITTER

PAMELA AKO

PAMELA B MEREZ

PAMELA MEREZ

PATRICIA WATKINS

PATS HAIRSTYLING & BEAUTY

PAUL UNKRUR

FORT WEAVER RD 2022 (Cont'd)

912128 PAUL UNKRUR PHD

PAULA DUCAS

PETER DODS

PIPER STRAND

PIZZA HUT

PRESTON HEBER

PROFESSIONAL GROUP

RACHEL OILI

RACHEL SUMIC

REBECCA GARCIA

REBECCA P GARCIA

REBEKAH TIBBETS

REHABILITATION & EDUCATION

RENEE YAMASHIRO

REX BUI

RICHARD MATSUNAGA & ASSOCIATES INC

RINDA BROOKS

RONDA HAYASHI

ROSS T YAMANAKA

ROSS YAMANAKA

ROWAN YOUNG

ROWAN YOUNG LAW OFFICE

ROXANNE R SCHNEIDER

ROXANNE SCHNEIDER

ROXANNE TAYLAN

RUTH AYALA

RUTH BRICKLEY

RUTH L AYALA

RYAN DIAS

SABRINA PHELPS

SALLY RIVERA

SAM MASILAMONEY

SANDY NATORI

SARA BETH PIPER

SARA PIPER

SEAN GIBBONS

SEILEE NAKAMOTO

SHANELLE LUM

SHARI-LYN CASTILLO

SHEENA THURSTON

SHELLEN HASHIMOTO

SHERYLL CAPINIA

SOON YUN

SOUNDING JOY MUSIC THERAPY INC

STAMIS HOPOATE

STANDARD PLUMBING

STATE FARM INSURANCE

STEPHANIE ESPIRITU

SUEMORI & INOUYE INC

SUNNY NORR

FORT WEAVER RD 2022 (Cont'd)

912128 SUSAN SCHOFIELD

SWISS GROUP

TAMARA J MOZINGO

TAMARA MOZINGO

TANYA OSHIRO

TERESA APO

TERRILYN KAAIALII

THOMAS COFFIN

THRIFTY CAR RENTAL

TIFAIMOANA AINUU

TIFFANIE UYEHARA

TISHALYNN REED

TUSITALA SAKAIO

TY CULLEN

VASIMATA WOLFGRAMM

VICKI DIXON

VICTOR BALLESTEROS

VICTORIO L VEGA

VICTORIO VEGA

WAI HUI

WAI TING J HUI

WAIKIKI PEARL DEVELOPMENT CORPORATION

WALTER K SAKAMAKI INC

WENDY CLARK

WESLEY JOHNSON

WILLIAM PARKER

WILMA KAM

YOSHI SEASTER

ZHONG SHI

ZHONG SHI XIAO

912134 ANDREW ONITSUKA

BELLA ONITSUKA

CHRISTOPHER ONITSUKA

912135 ALYSSA PARK

BRANDON SHIRAI

CARL F HODEL

CLINICAL LABORATORIES OF HAWAII LLP

CLINICAL LABORATORIES OF HAWAII, LLP

CLINICAL LABORATORIES-HAWAII

CLINICAL LABS OF HAWAII LLP

FRANCIS AMADA

FRANK ALLEN WILLIAMS

FRANK WILLIAMS

FRED BRENNER

FRESENIUS KIDNEY CARE

GABINO BALOY

GABINO L BALOY MD

GLENN H FURUYA

JILL DICE

LEEWARD RADIATION ONCOLOGY

FORT WEAVER RD 2022 (Cont'd)

912135 MARTINSON DEREK

MCCAFFREY D SCOTT MD

MELISSA HO-MAUGA

MORIOKA SCOTT MD

PHILIP CRISTOBAL

QUEENS MEDICAL CENTER

RICHARD BADKE

S MCCAFFERY

SCOTT MCCAFFREY

SCOTT MORIOKA

ST FRANCIS HEALTHCARE SYSTEM

TANG, XUONG K DO

THANH V HUYNH

THANH V HUYNH MD

TREVOR WOODROW

VINCENT C BROWN

VINCENT C BROWN MD

WORKSTAR INJURY RECOVERY CENTER

XUONG TANG

912137 ABC PEDIATRIC DENTISTRY

CATHLEEN SANPEI

CATHLEEN T SANPEI

IRELAND, JAMES H M.D.

JAMES IRELAND

LEEWARD DIALYSIS

NARDA NAVIDAT

WONG EUGENE

WONG EUGENE G C MD

912139 AGNELLE CHING

AUDREY GANGAN

AURORA C MARIANI MD

AURORA MARIANI

BERNARD ROBINSON

BERNARD ROBINSON MD

BRIAN PIERCE

BRUCE CHAN

BRUCE CHEN

CHA DAVID MD

CHAN BRUCE

CHANG WILLIS JKW

CHEUNG MARGARET K L MD PH.D. INC

DARRAH WONG OD

DAVID CHA

DAVID WEI

DE LEON AKI W

DIAGNOSTIC LAB

DR MICHAEL CHAN

ELIZABETH ABINSAY

ELIZABETH ABINSAY MD

EMMA AVILLA

FORT WEAVER RD 2022 (Cont'd)

912139 EMMA B AVILLA MD

EWA BEACH PHYSICAL THERAPY

FETAL DIAGNOSTIC INST OF THE PACIFIC

FREDERICK L YOST MD

FREDERICK YOST

GENEVIEVE LEY

GENEVIEVE LEY MD

GENOVA MANUEL

GLENDA MALANA

GRANT TAKIGUCHI

GREIGH HIRATA

HAWAIIAN TELCOM

HERMAN HOLLOWAY

JOANNE SORIANO

JOANNE SORIANO OD

JONNY R REBUDAL MD

JONNY REBUDAL

JULIE IRELAND

JULIE W IRELAND

KEIKI DENTAL

KELLY RUSSELL S MD

KEVIN DIEFFENBACH

KIA LAVERNE A MD

KING CENTER LTD

KOZOHARA SHERI OD

KRISTIN FERNANDEZ

KRISTIN K FERNANDEZ

LAVERNE KIA

MALANA GLENDA V MD LLC

MANUEL GENOVA

MARGARET CHEUNG

MARYLOU HILMAN

MELANIE J MASAKI OD

MELANIE MASAKI

MICHAEL CHAN

MICHAEL MCMANN

MICHAEL MCMANN MD

MICHELLE SIMASRASCA

NELANI SLINN

PANG M PIERRE MD

PANG PIERRE

PHARMACARE HAWAII

PROFESSIONAL GROUP

QUEENS MEDICAL CENTER

RICHARD OH

RICHARD S OH MD

ROSS SIMAFRANCA

RUSSELL KELLY

SAMANTHA E ROSSI DPT

SAMANTHA ROSSI

FORT WEAVER RD 2022 (Cont'd)

912139 SHERI KOZOHARA

SHONA PETERS

SIMAFRANCA ROSS MD

ST FRANCIS HEALTHCARE SYSTEM

TROPICAL ROOFING AND RAINGUTTERS

VANCE FLETCHER

VANCE L FLETCHER MD

WEI DAVID C

WEST OAHU PRIMARY CARE

WESTSIDE SURGICAL SERVICES LLC

WILLIS CHANG

WILLIS J CHANG K W MD

WONG DARRAH

YONGSOK DO

YONGSOK DO DMD DDS

912141 ALI AGA CHISTI MD

ALI CHISTI

AMITA ADHVARYU

AMITA V ADHVARYU

AMY KINKEL

AMY N KINKEL

ANTHONY M MIGURA

ANTHONY MIGURA

ARTUR KARIMOV

ARTUR R KARIMOV

ASHLEY MOREHEAD

BEATA SUMMER-BRASON

BEATA W SUMMER-BRASON

BEAU D FERN

BEAU FERN

BRENT BURROUGHS

BRYANT W WILSON

BRYANT WILSON

CHRISTY EUBANKS

CHUNRONG LIN

CORIE A COE

CORIE COE

DANIEL CHAN

DANIEL K CHAN

DANILO ABLAN

EVELYN C KWOK MD

EVELYN KWOK

FALGUN S TRIVEDI

FALGUN TRIVEDI

HANH LA

HAYASHI KAGEHITO

HEATHER K KLATT

HEATHER KLATT

IBRAHIM SALEJEE

JONATHAN M RHINE

FORT WEAVER RD 2022 (Cont'd)

912141 JONATHAN RHINE

KAGEHITO HAYASHI MD

KIMBERLY KYLE

KIMBERLY L KYLE

LAN NGUYEN

LAN T L NGUYEN

MEI LIU

OTTO F VILLA

OTTO VILLA

PRIYADARSHAN GUPTA

RANDY BAIN

SANTHOSH R MANNEM

ST FRANCIS HOSPICE WEST

SUSAN ELRICH

SUSAN MARIA ELRICH

THE QUEENS MEDICAL CENTER - WEST OAHU

THE QUEENS MEDICAL CENTER - WEST OAHU EMERGENCY ROOM

TOMIFUMI ONISHI

912168 ZALDY AGUILAR

912170 RONALD BRADBURY

912172 HELEN NITANI

TOYO NITANI

912174 HAROLD TAKEMURA

KUMIKO TAKEMURA

912210 CHRISTOPHER ALCOSIBA

CONTEMPORARYPHOTO COM

GABE DELISO

GABRIEL LISO

JOANNA ALCOSIBA

RAYDEN PEPEE

SABRINA COSTA

SAVANNA ALCOSIBA

912214 TONY BALADA

TY OTAKE

WEST LOCH GOLF COURSE

912230 RALPH FUKUSHIMA

912240 ALL ISLAND BATH REMODELING

GUY KAKUGAWA

LUVINA SALONDAKA

ROXANNE SALONDAKA

TIFFANY SALONDAKA

912301 BEHAVIORAL HEALTH HOSPITAL

CALIFORNIA PACIFIC MEDICAL CENTER

CALLAGHAN ZACHARY

CECILE ALVIAR

CECILE P ALVIAR

CHARLES LOUIS

CHERYL BURNETT CHERYL K BURNETT

CINDY D PATRICK

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FORT WEAVER RD 2022 (Cont'd)

912301 CINDY PATRICK

DANIEL HARADA

ELENA G SHARIPOVA

ELENA G SHARIPOVA MD

JACLYN KIRBY

JACLYN M KIRBY

KAHI MOHALA BEHAVIORAL HEALTH

KELLY BARNES

KELLY L BARNES

KRISTIN PAUL

KRISTIN PAULO

LEONARD LICINA

LUCAS A TRAUTMAN MD

LUCAS TRAUTMAN

RICHARD H JACOBSON

ROSS FUJIMOTO

STACEY GABBANI

STEVEN CHAPLIN

STEVEN CHAPLIN MD

SUSAN J STOCK

SUSAN STOCK

THOMAS E HENRY

THOMAS E HENRY MD

8137757.5 Page: A22

<u>Target Street</u> <u>Cross Street</u>

Source Cole Information

FORT WEAVER RD 2017

-	PEARL HAWAII FEDERAL CREDIT UNION 91
9190	CHEE PERCIVAL MD FACS INC
	EWA BEACH GOLF CLUB
	UNITED STATES GOVERNMENT
91363	
91679	BLESSINGS FROM HEAVEN PRESCHOOL
91750	POHAKEA SCHOOL
91831	EWA MART
91884	COALITION FOR A DRUGFREE HAWAII
	ILIMA INTERMEDIATE SCHOOL
91902	BOBA CAFE
	H&R BLOCK
	HAWAII GOLD BUYER EXCHANGE
	ISLAND REALTY GROUP LLC
	KAHALEHILI FRELYNN
	L & L FASHION NAILS
	MARK Y SHIMAO DDS
	MODESTA GAERLANTOKUNA DDS
	OHANA SUPPORT SERVICES LLC
	PRAAJERS POLYNESIAN VARIETIES
	RESTAURANT SAITO
	SHIMAO MARK Y INC DDS
	STATE FARM INSURANCE
	TOKUNAGA FAMILY DENTISTRY LLC
01014	BURGER KING
91914	ANIMAL HOUSE VETERINARY CENTER
91919	AUTOZONE
	CELINA M HATT DVM
	ELIM KOREAN BARBEQUE
	EWA BEACH FAST LUBE
	FANTASTIC SAMS CUT & COLOR
	FIRST HAWAIIAN BANK
	GOODYEAR EWA BEACH
	LITTLE CAESARS
	LITTLE CAESARS EWA BEACH
	LOCO MOCO DRIVE INN
	MCDONALDS
	NINJA SUSHI
	SHIROS SAIMIN HAVEN & FAMILY RESTAU
	SPRINT
	THE GROOM ROOM
	THE PET DEPOT
91923	HAWAII SURFBOARD RENTALS
	PUBLIC STORAGE
91928	CALVARY CHAPEL WEST OAHU
	CALVARY CHAPEL WEST OAHU PRESCHOOL
911200	HAWAII PRINCE GOLF CLUB
	ACACIA JEWELRY
- "	ACCESS MEDICAL CLINICS
	BRYAN Y YAMASHIRO MD

<u>Target Street</u> <u>Cross Street</u> <u>Source</u>

Cole Information

FORT WEAVER RD 2017 (Cont'd)

911401 EWA SEED CO

FOODLAND

HAWAIIUSA FCU

JAMBA JUICE

L&L HAWAIIAN BARBECUE

LONGS DRUG STORE

LOVELY NAILS

LUSARA PCS LLC

QUENGUAATIENZA JOANN DMD

RAMENYA

RAYMOND D THOMPSON MD

STARBUCKS COFFEE

SUPERCUTS

TASTE OF HONG KONG

THE COFFEE BEAN & TEA LEAF

THE TOOTH FAIRY

TODD KUBO MD

911669 7ELEVEN

SIMPLY NICE SALON LLC

911717 SIMPLY NICE SALON LLC

911821 STATE OF HAWAII

911837 SECOH ADULT DAY CARE CENTER PEARL CI

911841 KAMAAINA KIDS

912026 FAT LAWS FARM

912080 SOUTH SIDE INK

912117 ST FRANCIS HEALTHCARE SYSTEM OF HAW

912126 ALEGACY CONSTRUCTION LLC

CS SERVICES INC

P & D ACOSTA LLC

PERFECTO ENGINEERING & CONSTRUCTION

912135 DYSLEXIA TUTORING CENTER OF HAWAII

MCCAFFREY D SCOTT MD

RICHARD ARAKAKI MD

SCOTT MORIOKA MD

UNIVERSITY SPECIALTY CLINICS

WORKSTAR INJURY RECOVERY CENTER

XUONG TANG MD

912139 BERNARD ROBINSON MD

CHANG WILLIS JKW

CHEUNG MARGARET K L MD PHD INC

CORDERO ANTONIO B MD

DAVID CHA MD

DIEFFENBACH KEVIN MD

DO YONGSOK DMD DDS

EWA BEACH PHYSICAL THERAPY

FLETCHER VANCE L MD

IRELAND JAMES H E INC D MD

KIA LAVERNE A MD

MALANA GLENDA V MD LLC

MARGARET DR CHEUNG DR

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✓ - Cole Information

FORT WEAVER RD 2017 (Cont'd)

912139 MARIANI AURORA C MD

MCMANN EYE INSTITUTE

METTIAS MAGDY MD

NEUDORF HOWARD F MD

PHARMACARE 2

PHARMACARE AT QUEENS WEST

QUEENS IMAGING

RIDAO RICHARD A MD

ROSS SIMAFRANCA MD

RUSSELL S KELLY MD

WEST OAHU PRIMARY CARE

WESTSIDE SURGICAL SERVICES LLC

WILEY BRUNEL MD

WILLIS J CHANG K W MD

WU DARTZUEN D MD

912141 LORIS GIFTS INC

SAINT FRANCIS HOSPICE WEST

THE QUEENS MEDICAL CENTER

912210 ALL ISLAND TOWING LLC

PREMEDITATED LIFESTYLE INVESTMENTS

912214 WEST LOCH GOLF COURSE

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✓ - Cole Information

FORT WEAVER RD 2010

040	NADA ALITO DADTO
919	NAPA AUTO PARTS
9195 91050	ORNELLAS, MARK J EWA BEACH GOLF CLUB
91069	
91009	CARLOS, TAMI J FONOTI, BRIANA
	FUENTES, WILLER M
	GONZAGA, JUAN B
	INSONG, ALBERTO C
	MAYOLA, FLORY L
	SAMANTE, GEORGE P
	SARAGENA, VICTORIA M
	STANTON, DANIEL K
	STERLING, ALICE D
	VIRTUCIO, WILBERTO E
91095	OCCUPANT UNKNOWN,
91105	AGTANG, WOODROW D
	MERRILL, GABRIEL
	MIGUEL, JEFFREY L
	VELE, SISAMOA
91127	MARCHAN, RUSSELL L
91133	HAUHIO, KELLIE J
91137	BAKER, PRIMA D
91143	CRUDO, PHILIP
91147	DOMINGO, S
91153	LEAENO, TINA E
91157	SMITH, LYNETTE Y
91163	DULATRE, PETRONILO
91167	BROWN, L
91173	MAPA, DOREEN B
91177	GUILLERMO, MARISSA P
91189	TODD, JASON
91193	OCCUPANT UNKNOWN,
91201	VENTURA, DANIEL C
91205	MACALIBOS, LEONIDES
91211	TRIPP, CACHET
91215	OCCUPANT UNKNOWN,
91225	OCCUPANT UNKNOWN,
91231	NACORDA, ARTHUR A
91235 91239	OCCUPANT UNKNOWN,
91239	OCCUPANT UNKNOWN, OCCUPANT UNKNOWN,
91245	RENGUUL, JAY
91261	ELTAGONDE, JUANITO A
91265	AOKI, CHAD C
91270	DYN CORP
51210	NATIONAL WEATHER SVC
91271	LOPEZ, CHRISTY M
91275	KAPANA, WILLIAM K
91285	FONSECA, GREG K
91291	JAVAR, RANDY B

<u>Target Street</u> <u>Cross Street</u>

<u>Source</u>

Cole Information

FORT WEAVER RD 2010 (Cont'd)

91295 GARCIA, BOBBY R 91307 AKIONA, JANAE A FAGA, CAROLINE 91313 KAUHAKO, JOHN 91317 OCCUPANT UNKNOWN, 91323 OCCUPANT UNKNOWN, 91329 PACHECO, SEAN W 91333 GALLARDE, LABRINA B MAWAE, KIANA 91339 SARAGOZA, ROQUE L 91343 KAUAI, SELEENA 91349 OCCUPANT UNKNOWN, 91359 LE, HATLEY T 91363 ABESHIMA, ANN S OCCUPANT UNKNOWN, WEST POINT RELOCATION 91369 NGUYEN, TU T 91373 INOUYE, MIKE 91379 SUSTER, EVA M 91383 ROY, VICTORIA R 91393 DELEON, FLORANTE 91401 REDOBLE, RUEL T 91411 CABIGON, PAULINO A 91415 MANUEL, AURELIA R 91421 WHITE, STEPHANIE 91429 CHURCH OF GOD IN CHRIST 91431 NATIVIDAD, BRYAN M TABIOS, TEDDY U 91441 91447 BANNISTER, HARLAN E 91461 CABRAL, RISCHELLE 91471 YOSHIDA, NORMAN K 91477 DURNIL, BRIAN T 91483 ORALLO, ANGELINA R 91511 BALBOA, ALMA E 91517 RIVERA, DANIELLE 91525 DAOANG, VICENTE G 91545 ALOHA HEALTH CARE PROVIDER OCCUPANT UNKNOWN, 91555 CARCEL, LOVE J JACQUELINE, ROSA 91561 BOTACION, ALFREDO B BUSTAMANTE, ROD 91585 FAAMAU, JOSIE TANUVASA, CARLINE 91593 BACA, PANTALEON A 91617 OCCUPANT UNKNOWN, 91635 MANNER, HILLARY 91645 OASAY, ANASITA R 91651 BOTACION, SALVACION

91661

CABEL, CRISLYN

FORT WEAVER RD 2010 (Cont'd)

91673	NIDAS GIFT SHOP
91675	POOCK, PATRICK
91679	BLESSINGS FROM HEAVEN
91711	PASCUAL, STEVE G
91737	AGPAOA, REGINALD X
01707	ANGUAY, AARON
	BALAIS, BRIGITTE Q
	BARBASA, WENDELL P
	BLUE, CHRIS
	CRUZ, RAYNETTE D
	DOANE, SHAYLIN
	G & F APARTMENTS
	LAMOKA, GEORGE
	MARKUS, LOLITA M
	QUISAGAN, JOVELYN
	SANCHEZ, NELSON B
	TANGONAN, DANTE
91750	HONOLULU COMMUNITY ACTION
	POHAKEA HEAD START
	POHAKEA SCHOOL
91755	LEACH, CINDY A
	RIO, DOMINGO T
0.1=0=	TABILE, GUILLERMO G
91765	BOTANES, ANTONIO G
04774	NEBRES, SANTIAGO M
91771	CRUZ, MANNUAL J
	MALIGMAT, JASON E SAKAMOTO, LEBONNA
91803	THOMPSON, PIERCE A
91811	BAYANG, PABLO P
	VINCENT, JOSEPH S
	TAZAWA, KYONG O
91831	EWA MART
91844	SUMIDA, CATHY K
91884	BOYS & GIRLS CLUB OF EWA BEACH
	COALITION FOR A DRUG FREE HI
	ILIMA INTERMEDIATE SCHOOL
91902	AUNTY DENISES KIDDIE KUTS
	EWA BEACH MEDICAL CLINIC
	H&R BLOCK
	HEAVEN SENT MASSAGE CLINIC
	ISLAND REALTY GROUP LLC
	KAU MELVIN E OD
	KAU, MELVIN E
	L & L FASHION NAILS
	LITTLE CAESARS PIZZA
	MARK Y SHIMAO INC
	RESTAURANT SAITO
	TOKUNAGA FAMILY DENTISTRY
	YOKOTA, BRANDON

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FORT WEAVER RD (Cont'd) 2010

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91914 **BURGER KING** 91919 **ALPHA VIDEO** AMERICAN SAVINGS BANK **ELIM KOREAN BARBEQUE** EWA BEACH ANIMAL HOSPITAL EWA BEACH FAST LUBE **FANTASTIC SAMS** FIRST HAWAIIAN BANK FOODLAND SUPER MARKET LTD LOCO MOCO DRIVE INN MC DONALDS NINJA SUSHI PACIFIC LAUNDROMAT PET DEPOT RADIO SHACK SHIROS SAIMIN HAVEN 91923 PUBLIC STORAGE 91928 CALVARY CHAPEL WEST OAHU 91934 ARISTA, RONIE T 91936 OCCUPANT UNKNOWN, 91940 SMITH, MILTON R 91942 KIEHN, ROBIN 91946 KOBASHIGAWA, PRISCILLA A 91950 OCCUPANT UNKNOWN, 91952 PACQUING, RON 91954 HATA, JOHN H 91958 BALDONADO, NEMESIO M 91960 MIYAHARA, LUISE 91964 GABOYA, DENNIS 91966 PASION, DANILO M 91972 VILLAREAL, ARACELI B 91980 SUHRE, WILLIAM B 94914 **AMPM** 911002 OCCUPANT UNKNOWN, 911008 TOKUHIGA, BOYD T 911010 BADOYEN, DARIAN D 911014 BOWLIN, LILLIAN 911016 OCCUPANT UNKNOWN, 911020 OCCUPANT UNKNOWN, 911022 SUGIOKA, DUANE A 911026 BERSALONA, ROMIE B 911032 OCCUPANT UNKNOWN, 911034 MAGLANGIT, DANIEL A 911038 LABORTE, ESTANISLAO 911040 MIYASHIRO, STEVEN I 911056 WILSON, TIMOTHY R 911200 HAWAII PRINCE GOLF CLUB 911250 HAWAII LANDSCAPE & NURSERY INC

JDH CONSTRUCTION LTD

911276 DELACRUZ, JULIUS E

FORT WEAVER RD 2010 (Cont'd)

911401 ACACIA JEWELRY

ACCESS MEDICAL CLINICS

AMERICAN SAVINGS BANK

BLOCKBUSTER VIDEO

EWA SEED CO

FOODLAND SUPER MARKET LTD

GENKI SUSHI USA INC

HAKUYOSHA HAWAII INC

JAMBA JUICE

KUBO, TODD

L&L DRIVEINN

LONGS DRUGS

LOVELY NAILS 2

STARBUCKS

SUBWAY

SUPERCUTS

TASTE OF HONG KONG

TOOTH FAIRY

911669 7ELEVEN

BHP HAWAII INC

911717 WEST OAHU COMMUNITY FCU

911841 CHILD & FAMILY SVC

FAMILY SUPPORT SVC

HALE OULU SCHOOL

KAMAAINA KIDS

912056 ACADEMIA, GLENN

BARRIOS, AMADOR

CRAIL, KELLY S

LOPEZ, EVA

MEJIA, DIANA

PRASAD, SAMSHAD B

912058 RILVERIA, S

912062 KURATSU, LINCOLN S

912066 NAKAMURA, SHIGEKO

912068 KONO, NORMAN M

912070 WEST SIDE HAWAII

912072 TASTE OF PUERTO RICO

912074 OCCUPANT UNKNOWN,

912076 ORTIZ, MARK H

912080 KULANAPOHAKUS CATERING

912102 JOHNSON, CHARLES C

KAAPUWAI, HORACE C

912106 BARRERA, MACARIO G

COLOMBINI, DANLYN

FLORES, NEIL K

MARKETING PARTNERS

MURAKAMI, BETTY T

MURATA, OSAMU

OCONNOR, RON R

SANCHEZ, DARILYN

FORT WEAVER RD 2010 (Cont'd)

912106 STGERMAIN, BRUCE A

912112 MACS HOME IMPROVEMENT

MCCLUNG, ROBERT A

912114 KAMIKAWA, HARRY H

912126 ACOSTA, PERFECTO M

C & S SVC INC

FONG, CHRISTINE

HOKAMA, GORDON N

PERFECTO ENGINEERING & CONSTR

912127 MAURICE J SULLIVAN FAMILY

912134 ONITSUKA, ANDREW K

912135 CLINICAL LABORATORIESHAWAII

DYSLEXIA TUTORING CTRHAWAII LEEWARD RADIATION ONCOLOGY PACIFIC RADIATION ONCOLOGY INC

REHABILITATION HOSPITAL

UNIVERSITY OF SPECIALTY CLNCS

912137 LEEWARD DIALYSIS

912139 AVILLA EMMA B MD

BRUNEL WILEY MD

CARD INC

CHA DAVID MD

CHANG WILLIS J K MD

CHILDRENS SURGERY LTD

CLINICAL LABORATORIES LLP

CORDERO ANTONIO B MD

DIEFFENBACH KEVIN MD

DO, YONGSOK D

ELIZABETH L ABINSAY INC

FAMILY MEDICAL CLINIC

FLEMING JAMES J MD

FLETCHER VANCE L MD

GENERAL DENTISTRY FOR CHILDREN

GOZUN FORTUNATA N MD

GOZUN III BENJAMIN V MD

HANNON JOHN R MD

HIRO MAKINO INC

INES ALFRED A MD

INES, ALFRED A

KELLY RUSSELL S MD

KIA LA VERNE A MD

KUHNHERLEY BRIGETTE F DPM

LEE KW AU INC

LEEWARD HEALTH SVC

LEY GENEVIEVE MD

MADAMBA JOSE MD

MALANA GLENDA V MD

MARGARET K CHEUNG INC

MARIANI, AURORA C

MC MANN EYE INSTITUTE

FORT WEAVER RD 2010 (Cont'd)

912139 NEUDORF HOWARD F MD

OH RICHARD S MD

PACIFIC EYE SURGERY CTR INC

PERCIVAL CHEE INC

PHARMA CARE

RIDAO RICHARD A MD

ROMERO, RAY

SIMAFRANCA ROSS D MD

SORIANO JOANNE OD

SORIANO, JOANNE

UROLOGY CONSULTANT

WAIPAHU PEDIATRICS

WESTSIDE SURGICAL SVC

WORKSTAR OCCUPATIONAL HEALTH

YOST FREDERICK L MD

912141 CROOK IRINA R MD

HAWAII EMCARE

HAWAII MEDICAL CTR W

HAWAII MEDICAL CTR WEST

HIAWAII MEDICAL CTR WEST

INPATIENT MEDICAL SVC LLC

LIN ALBERT MD

RADIOLOGY GROUP

WARRINGTON WAYNE DO

912164 FUKUSHIMA, RALPH

912170 SOLIS, LILIA

912172 NITANI, HELEN E

OCCUPANT UNKNOWN,

912174 TAKEMURA, HAROLD M

912176 AGUINALDO, SPENCER A

912180 HIGA, EDWARD M

SUDA, DEAN T

912201 REPOLIO, BOND K

912206 GAM, EDWIN T

912208 OCCUPANT UNKNOWN,

912210 ALCOSIBA, CHRISTOPHER S

COSTA, SABRINA R

DELISO, GABE A

MANLEY, MYLES

MELTON, DAVID C

REDOBLE, THEODORE R

TUITOELAU, TAUMATE T

912212 MISHINA, NEIL M

912214 OTAKE, TY Y

912240 ALL ISLAND BATH REMODELING

SALONDAKA, TRACEY N

SOUEIRA, MARIA E

912295 OCCUPANT UNKNOWN,

912301 KAHI MOHALA BEHAVIORAL HEALTH

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✓ - Cole Information

FORT WEAVER RD 2005

04050	NEW EWA DEACH COLE CLUB
91050	NEW EWA BEACH GOLF CLUB
91069	BROOKS, JESSE H
	INSONG, ALBERTO C
	MAYOLA, RODRIGO
	MEJOR, LORETO
	SAMANTE, GEORGE
	SAUSAL, PABLO
	STANTON, DANIEL K
	STERLING, ALICE D
91095	ORNELLAS, MARK J
91105	BOWEN, SUSAN
	SEABOLT, THOMAS V
	SOO, IPUAURO
91127	MARCHAN, RUSSELL L
91133	WILSON, LORI A
91137	BAKER, PRIMA D
91153	CLARK, MARIA O
91157	OCCUPANT UNKNOWN,
91163	YAGIN, ABRAHAM T
91167	BARKER, ALBERT H
91173	MAPA, DOREEN B
91177	GUILLERMO, VIC
91183	SARINAS, ARIANE
91189	TODD, LILLIAN Y
91193	OCCUPANT UNKNOWN,
91201	VENTURA, DANIEL C
91205	MACALIBOG, D T
91215	OCCUPANT UNKNOWN,
91216	HOKAMA, GORDON N
91221	OCCUPANT UNKNOWN,
91225	OCCUPANT UNKNOWN,
91231	NACORDA, ARTHUR A
91235	OCCUPANT UNKNOWN,
91241	JOSE A GANEL MD
91245	OCCUPANT UNKNOWN,
91251	OCCUPANT UNKNOWN,
91261	ELTAGONDE, JUANITO A
91265	AOKI, MAURICE I
91275	KAPANA, WILLIAM K
91279	MADONADO, S
91285	CAMBIA, EVELYN R
91291	JAVAR, RANDY B
91295	GARCIA, ANTHONY R
91303	BENNETT, DUANE E
91317	OCCUPANT UNKNOWN,
91349	OCCUPANT UNKNOWN,
91359	OCCUPANT UNKNOWN,
91369	APPLIED SOFTWARE ENGINEERING LLC
31000	NGUYEN, TU T
91373	OCCUPANT UNKNOWN,
3.370	,

FORT WEAVER RD 2005 (Cont'd)

		TORT WEAVER RD	2003	(Cont a)	
	070	OHOTER EVANA			
	379	SUSTER, EVA M			
	383	MENDOZA, MARYVI R			
	393	DELEON, FLORANTE			
	401	LONG DRUGS EVA BEACH			
		OCCUPANT UNKNOWN,			
91	411	CABIGON ELECTRICAL SERVICE			
		CABIGON, PAULINO A			
	415	PATTERSON, CRAIG W			
	431	TAUYAN, CESAR I			
	441	TABIOS, TEDDY U			
		FUKUHARA, HOSEN			
	461	OCCUPANT UNKNOWN,			
	467	LOW, ANTHONY			
		YOSHIDA, NORMAN K			
	477	RIGNEY, LUISA A			
		ORALLO, ANGELINA R			
		CASTRO, RUDOLPH H			
91	545	OCCUPANT UNKNOWN,			
		TRINITY HEALTHCARE & CMNTY BAS			
		TRINITY HEALTHCARE & COMM			
0.4		TRINITY HEALTHCARE AND COMM			
	555	OCCUPANT UNKNOWN,			
91	561	BRIONES, JOHN S			
		DALMACIO, REYNALDO D			
04	FOF	VELANO, VALERINA			
	585 503	OCCUPANT UNKNOWN,			
	593	BACA, PANTALEON A			
	617	OCCUPANT UNKNOWN, PAVO, LANCE E			
		OASAY, ANASITA R			
	651	BOTACION, SALVACION			
	661	INES, J I			
	679	MESSIAH LUTHERAN CHURCH			
		OCCUPANT UNKNOWN,			
	703 711	PASCUAL, STEVE G			
	737	AHINA, BENNY N			
31	101	ANDRES, JUAN			
		ANGUAY, DENISE P			
		BASILIO, ROLETTE C			
		CORPUZ, ANNETTE Q			
		G & F APARTMENTS CO			
		GOTO, HARRY			
		HOOPAI, MARTINA			
		KEPOO, ROY K			
		LAMAR, MARCELO B			
		LAMOKA, GEORGE			
		LOGSDON, LOREN K			
		ROBELLO, DAMIEN C			
		SERMONS, D			
		WRIGHT, VIOLETTA			
		,			

FORT WEAVER RD 2005 (Cont'd)

	,	
	POHAKEA SCHOOL	
91755	FIELDS, JAMES A	
	LEACH, MELVIN E	
04750	RIO, DOMINGO A	
	ORNELLAS, ARTHUR	
91765	BOTANES, ANTONIO G	
	COSTANIOS, EMORY P NEBRES, SANTIAGO M	
01771	CRUZ, ALBERTA M	
91771	DOANE, ALEXANDRA	
	GOLTOWSKI, ERIC	
	LYNCH, TRACEY L	
	SAKAMOTO, LEBONNA	
91779	FAUROT, ERIC K	
	THOMPSON, PIERCE A	
	VINCENT, JOSEPH S	
	COALITION FOR A DRUG FREE HAWAII	
	ILIMA INTERMEDIATE SCHOOL	
	THE EWA BEACH CLUB HO	
91902	BLOCK H & R	
	DARRELL LIM CO	
	EWA BEACH MEDICAL CLINIC	
	HOPE CHAPEL KAPOLEI FOURSQUARE CHURC	
	HORBIN, JAMES A	
	KAU MELVIN E DR	
	LIM, DARRELL A	
	SEID ARNOLD MD INC	
	SHIMAO MARK Y DDS INC	
	FOSS ENTERPRISES INC	
91919	AMERICAN SAVINGS BANK FSB	
	MC DONALDS OF EWA BEACH	
	PET STOP LLC ROYAL PHARMACY EWA LTD	
	SHIRO & ASSOCS STAR MARKET	
	THE GROOM ROOM LLC	
91928	CALVARY CHAPEL WEST OAHU	
91934	ARISTA, RONIE T	
91936	OCCUPANT UNKNOWN,	
91940	SMITH, MILTON R	
91942	HO, WENDELL K	
91946	DELA, CRUZ G	
91954	HATA, JOHN H	
91960	MIYAHARA, LUISE	
91964	TANDAL, LEONARD	
91966	PASION, ZENY C	
91970	SEBASTIAN, TERESA	
91972	OCCUPANT UNKNOWN,	
91980	SIMPLICIANO, GLORIA I	
911002	ANDAM, DANILO B	

Target Street

Cross Street

Source Cole Information

FORT WEAVER RD 2005 (Cont'd)

911008 TOKUHIGA, BOYD T 911010 ALVARICO, DARIAN D 911014 BOWLIN, LILLIAN 911016 OCCUPANT UNKNOWN, 911020 OCCUPANT UNKNOWN, 911022 SUGIOKA, DUANE A 911026 GUILLERMO, L

911032 EVANS, WILLIAM M 911034 MAGLANGIT, DANIEL A

911038 LABORTE, ESTANISLAO 911040 MIYASHIRO, STEVEN I

911056 WILSON, TIMOTHY R

911200 HAWAII PRINCE HOTEL WAIKIKI OCCUPANT UNKNOWN,

911250 HAWAII LANDSCAPE & NURSERY INC JDH CONSTRUCTION LTD

911401 ACACIA JEWELRY **BLOCKBUSTER VIDEO**

EWA SEED CO FOODLAND

HAKUYOSHA HAWAII INC LONGS DRUG PHARMACY

LOVELY NAILS INC MOSHI MOSHI TEI

STARBUCKS COFFEE EWA TOWN CENTER

911669 7 ELEVEN HAWAII INC

911821 HAWAII STATE GOVERNMENT DHS

911841 COMMUNITY BASED INSTRUCTION PROGRAM

912002 HAWAIIAN EARTH PRODUCTS LTD PONOHOLO OFFICE KEHEUA

912056 BARDONI, TODD M ONITSUKA, TOSHIYUKI

912058 MALILAY, RUTH S

912066 NAKAMURA, SHIGEKO

912068 KONO, MONIKA

912070 PERSELS, DONALANE

912076 ORTIZ, MARK

912078 4G DESIGN GROUP

912102 BAY GLASS & STEEL

KAAPUWAI, HORACE C

912106 CHANG, GEORGE C LINDSEY, JAMES F MURAKAMI, BETTY T MURATA, OSAMU

912112 MAC S HOME IMPROVEMENT MCCLUNG, ROBERT A

912114 KAMIKAWA, HARRY H

912126 ACOSTA, PERFECTO M FONG, CHRISTINE

912127 SISTER MAUREEN KELEHER CENTER

Cole Information

(Cont'd)

2005

FORT WEAVER RD

912134 ONITSUKA, ANDREW K

912135 CLINICAL LABS OF HAWAII LLP

INVESTORS LLC

REHAB HOSP OF THE PACIFIC AT SAINT F

912139 ALFRED A INES MD

CENTER FOR ALLEGERY AND RESPIRATORY

CHEE PERCIVAL MD FACS INC

CHEUNG MARGARET K L MD PHD INC

DR INC

ELIZABETH L ABINSAY MD INC

FASHION OPTICAL

HERBERT K W CHINN MD

HIRO MAKINO MD INC

LAVERNE A KIA MD

MICHAEL J DIMITRION MD INC

MYLES SUEHIRO MD INC

PACIFIC EYE SURGERY CENTER INC

PHARMACARE AT SAINT FRANCIS W

REBUDAL, JONNY

RICHARD S OH MD

SORBELLA GUILLERMO MD

WAIPAHU PEDIATRICS

WILEY BRUNEL MD

WILLIS J CHANG K W MD

WORK STAR OCCUPATIONAL HEALTH SERVIC

912141 SAINT FRANCIS WEST MEDICAL CENTER EM

SISTERS OF SAINT FRANCIS

912164 FUKUSHIMA, RALPH

912168 TANAKA, HARRY S

912170 SAKAI, DIANNE T

912172 NITANI, HELEN E

912174 TAKEMURA, HAROLD M

912176 AGUSTIN, ERNESTO B

BUCAO, EMERY J

KIYOHIRO, TSUGIO

912180 SUDA, DEAN T

912208 OCCUPANT UNKNOWN,

912210 ALCOSIBA, CHRISTOPHER S

DELISO, GABE

MELTON, DAVID

REDOBLE, GAYLEN T

REDOBLE, THEODORE R

TAASAN, NIEVES

912212 NAKAMURA, MELISSA M

912214 OCCUPANT UNKNOWN,

912240 KAKUGAWA, RICHARD

SALONVAKA, LUVINA

SOUEIRA, MARIA E

WALSH, SIDNEY W

912270 WALSH, AUREA

FORT WEAVER RD 2005 (Cont'd)

912301	KAHI HOHALA BEHAVIORAL HEALTHCARE KAHI MOHALA KAHI MOHALA HOSPITAL SUTTER HEALTH PACIFIC

FORT WEAVER RD 2000

	FORT WEAVER RD 2000
91050	EWA BEACH INTERNATIONAL GOLF CLUB
	NEW EWA BEACH GOLF CLUB RESERVATIONS & PRO SHOP
	NEW EWA BEACH GOLF CLUB RESTAURANT
	SOGO HAWAII INCORPORATED
91069	BANAWA, JOHNNY
	BELDINEZA, C
	BELDINEZA, ROEL
	BROOKS, JESSE
	CROWELL, DEBBIE
	MALOLOT, C
91095	ORNELLAS, MARK
91105	TUITAMA, WILLIAM
	VIERRA, GEORGE
91127	MARCHAN, ROSENDO
	MARCHAN, RUSSELL
91133	WILSON, LORI
91137	BAKER, PRIMA
91153	CLARK, M
91157	QUACH, A
	TANG, ANH
91163	YAGIN, ABRAHAM T
91167	BARKER, ALBERT H
91173	MAPA, DOREEN
91177	PRICKETT, TIMOTHY
91183	REYES, B
91189	TODD, L
91201	OKATA, N
91261	ELTAGONDE, KATHY
91265	AOKI, MAURICE I
91270	TSUNAMI WARNING CENTER PACIFIC EWA BEACH
	UNITED STATES GOVERNMENT COMMERCE DEPARTMENT OF
91271	SILVA, GILLIE C
91275	KAPANA, WILLIAM K
91285	FONSECA, GREG
91291	LACUESTA, M L
91295	GARCIA, ANTHONY R
91303	ALMOROSA, RODRIGO O
91329	PAVAO, I V
91339	RMC CONTRACTORS
	SARAGOZA, ROQUE L
91349	YUEN, BARNEY K
91363	BERMUDEZ, MARILYN
91369	NGUYEN, TU T
91379	SUSTER, EVA M
91383	KAMAILE, ARNOLD
	LAFAVER, JIM
91411	CABIGON, PAULINO A
91415	D S ELECTRONICS
	MANUEL, AURELIA R
	PATTERSON, CRAIG

Target Street Cross Street Source Cole Information

FORT WEAVER RD 2000

	FORT WEAVER RD 2000 (Cont'd)
91431	TAUYAN, CESAR
91441	TABIOS, TEDDY U
91467	ACASIA, FRANK
91477	RIGNEY, L
91483	ORALLO, ANGELIN
91517	CASTRO, RUDOLPH
91555	HALL, JERRY D
91561	BRIONES, ISABELO
91593	WAIPA, ROBERT
91645	BALISCAN, PHILIP
	OASAY, KRISTIN
91651	BOTACION, S
91661	BELEN, JOHN
91679	MESSIAH LUTHERAN SCHOOL
91705	TABLADILLO, GERRY F
91711	PASCUAL, STEVE
91737	ANGUAY, DENISE
	BARABASA, ROBERTO
	BARBASA, WENDELL
	G & F APARTMENTS
	RAZON, NICANOR
91750	POHAKEA SCHOOL
	POHAKEA SCHOOL A PLUS PROGRAM
	POHAKEA SCHOOL CHAPTER I
91755	FIELDS, JAMES A
	LEACH, MELVIN
	RIO, DOMINGO
91759	ORNELLAS, ARTHUR
91765	BOTANES, ANTONIO G
	DUDOIT, H K
	NEBRES, SANTIAG M
91771	DOANE, A
91779	COFFMAN, C
91803	GUMBAN, C R
91811	BAYANG, PABLO P
	VINCENT, JOSEPH S
91831	EWA MART
91884	
	CAMPBELL JAMES HIGH SCHOOL CAFETERIA
	ILIMA INTERMEDIATE SCHOOL ILIMA INTERMEDIATE SCHOOL BAND ROOM
	ILIMA INTERMEDIATE SCHOOL BAND ROOM ILIMA INTERMEDIATE SCHOOL CAFETERIA
	ILIMA INTERMEDIATE SCHOOL CAPETERIA ILIMA INTERMEDIATE SCHOOL HEALTH ROOM
	ILIMA INTERMEDIATE SCHOOL HEALTH ROOM ILIMA INTERMEDIATE SCHOOL PARENT NETWORK
	ILIMA INTERMEDIATE SCHOOL PARENT NETWORK ILIMA INTERMEDIATE SCHOOL SHOP
91902	EWA BEACH MEDICAL CLINIC
31302	MARN SING CHINESE RESTAURANT
	SEID ARNOLD MD INCORPORATED EWA BEACH MEDICAL CLINIC
91909	
91914	
31317	

FORT WEAVER RD 2000 (Cont'd)

91919 AMERICAN SAVINGS BANK BRANCHES

BALROSAS RESTAURANT COCKTAIL & KARAOKE

EWA BCH SHPG CENTER EWA BCH TRUE VAL HDWR

EWA BCH SHPG CENTER FOODLAND SPR MARKET LIMITED

EWA BCH SHPG CENTER IMPRL JEWELERS EWA BCH

EWA BEACH KOREAN BARBEQUE

EWA BEACH SHOPPING CENTER

EWA BEACH SHOPPING CENTER AMERICAN SAVINGS BANK

EWA BEACH SHOPPING CENTER FLOS EWA BAKERY

EWA BEACH SHOPPING CENTER LOCO MOCO DRIVE INN

EWA BEACH SHOPPING CENTER MCDONALDS RESTAURANTS

EWA BEACH SHOPPING CENTER PACIFIC LAUNDROMAT

EWA BOUTIQUE

GEE PHILLIP REALTOR

IMPERIAL JEWELERS EWA BEACH

MCDONALDS RESTAURANTS EWA BEACH

91928 OHANA CHRISTIAN FELLOWSHIP

91940 SMITH, MILTON R

91952 PACQUING, EPIFANI

91960 MIYAHARA, ASAO

91970 SEBASTIAN, TERESA

91980 SIMPLICIANO, GLORIA

911010 TEVES, OLIVER C

911022 SUGIOKA, DUANE

911032 EVANS, WILLIAM M

911040 MIYASHIRO, STEVEN I

911056 WILSON, TIMOTHY R

911200 BIRD OF PARADISE

911669 BHP HAWAII INCORPORATED BHP GAS EXPRESS

911705 EWA REPAIR SHOP INCORPORATED

911841 KAMAAINA KIDS PRESCHOOLS

912002 FARMERS LIVESTOCK COOPERATIVE

KAHUA NURSERY & LANDSCAPE

PONOHOLO RANCH LIMITED

SECOND CITY PROPERTY MANAGEMENT

912026 ALL CARGO SERVICES

HON SHOKAI LIMITED

912056 ONITSUKA, T

VILLARREAL, THOMAS

912058 MALILAY, RUTH S

912062 KIM, PAUL C

912066 NAKAMURA, SHIGEKO

912076 ITO, H

912102 BAY GLASS & STEEL

BORDEN, ERNEST D

FAROL, MARK

JOHNSON, CHARLES

912106 CHING, R

MURAKAMI, BETTY

MURATA, B M

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FORT WEAVER RD 2000 (Cont'd)

912106 SANTA, ANA N

912112 MCCLUNG, ROBERT A

ROBINSON, KEVIN

912114 KAMIKAWA, HARRY H

912126 CRIGHTON, REX

FONG, CHRISTI

HOKAMA, GORDON N

MURATA, WALLY

912134 ONITSUKA, ANDREW K

912164 FUKUSHIMA, RALPH

912168 TANAKA, HARRY S

912170 RABANG, MICHAEL

912180 HIGA, EDWARD M

SUDA, VIOLET S

YANAGISAWA, DENNIS N

912210 ALCOSIBA, C

DELISO, LEONORA J

MELTON, DAVID

ORLANDO, GILBERT M

REDOBLE, GAYLEN

REDOBLE, TR

ROSS, GAY V

912212 NAKAMURA, MORRIS

OTAKE, TY

912240 SALONDAKA, LUVINA

WALSH, SIDNEY

912249 WAIMALU WELDING COMPANY

912275 GARYS AUTOMOTIVE SPECIALIST

NEW DEPOT METALS & RECYCLING

PRECAST INDUSTRIES

RAY W GWIN COMPANY

912295 BEACHSIDE ROOFING

CMZ OF HAWAII INCORPORATED

D & G EQUIPMENT & HAULING

FORT WEAVER RD 1995

	10111127121112
91	VIDEO SHOWCASE
90902	ALOHA HAIRLINES
91050	EWA BEACH INTL GOLF CLUB
91069	BELDINEZA, C
	CASINTAHAN, RODRIGO
	DELACRUZ, MELCHOR
	ERHARDT, DARYL K
	FUENTES, EKILINO
	GONZAGA, D
	INOUYE, DONA
	MALOLOT, LENOR
	NAUGLER, MURRAY
91095	FERNANDEZ, W
91105	DELACRUZ, LEONARD
	KUALAPAI, ELDEN
	PETER, STANLEY
91127	MARCHAN, ROSENDO JR
91147	MILLS, ROGER L
91153	CABEBE, MARY J
	YAGIN, ABRAHAM T JR
91167	BARKER, ALBERT H
91177	GUILLERMO, V
91189	TODD, L
91193	CHING, R
91201	OKATA, N
91211	KUNIYOSHI, LESLIE
91221	RAMON, RAFAEL
91235	FERGUSON, TRACI
91245	KESSLER, C
91261	ELTAGONDE, NITO
91265	AOKI, MAURICE I
91270	BLACKFORD, MICHAEL E
	MASS, WILLIAM
04074	TURNER, BRUCE
91271 91272	SILVA, GILLIE C MODERN DESIGN 5 DRAFTING SVC
91272	KAPANA, WILLIAM K
91279	RODRIGUES, RAYMOND
91279	SOUZA, JANET
91295	GARCIA, ANTHONY R
91313	SHIROMA, D
91317	MONIZ, GEORGE
91339	RMC CONTRACTORS
31003	SARAGOZA, ROQUE L
91369	NGUYEN, TU T
91379	SUSTER, CHARLES D
91383	MENDOZA, V
91393	LALAWAI, JAMES
91401	ALEXANDER, BRIAN A
	POUOA, AMETO T
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<u>Target Street</u> <u>Cross Street</u>

SourceCole Information

FORT WEAVER RD 1995 (Cont'd)

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914	
914	15 D S ELECTRONIC YASCOLT, STAN
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314	ST BARNABAS EPISCOPAL CHURCH
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011	DELACRUZ, E
	TABIOS, TEDDY U
	VELANO, F
914	
	ROBINSON, THOMAS
914	77 RIGNEY, L
914	83 ORALLO, A
915	11 FERNANDES, A
915	17 CASTRO, DANIEL E
	DINNEEN, D M
	SNELLBAKER, V
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317	CURRAN, ANTHONY
	KENNEDY, L T
	LEATHERWOOD, C J
	LONGA, P W
	MALDONADO, JAIME
	MONIZ, G
	PEROSI, MAUGA
	RIO, DOMINGO A JR
917	50 POHAKEA SCHOOL
917	·
	RIO, DOMINGO SR
	YAMASHIRO, L
917	,
	GIANG, NU H
047	NEBRES, S M
917	•
918	RAINBOW GRACE BRETHREN CHURCH 03 GUMBAN, C R
918	·
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918	
510	ILIMA INTERMEDIATE SCHOOL

FORT WEAVER RD 1995 (Cont'd)

91902 DENTAL DIMENSIONS

EVA LAUNDROMAT

EWA BEACH MEDICAL CLINIC

GEM TRAVEL SVC

H & R BLOCK INC

LEEWARD REALTY CO

MARN SING CHINESE RESTAURANT

MELVIN E KAU OD

MICHAEL M OKANO DDS

STATE FARM INSURANCE

THOMAS M OKANO DDS

91909 EWA BEACH CHEVRON

91914 JIMMYS & SONS TEXACO

91919 AMERICAN SAVINGS BANK

BARNEYS BURGERHOUSE

COCONUT CRAFTS OF HAWAII

EWA BEACH LOCKSMITH

EWA BEACH SHOPPING CTR

EWA BOUTIQUE

F W WOOLWORTH CO

FIRST HAWAIIAN BANK

FLOS EWA BAKERY

FOODLAND SUPER MARKET LTD

JOHN B SLOOP RESTAURANT

MC DONALDS

PRIMETIME VIDEO & COMICS

ROYAL PHARMACY EWA LTD

SCHUMAN AUTOMOTIVE INC

SLOOP, JOHN B

TRUE VALUE HARDWARE

VIDEO SHOWCASE

91923 BKN PRO SHOP

EWA BOWLING CTR LTD

91928 EWA BEACH HEAD START

FIRST BAPTIST CHURCH EWA BEACH

GODWIN, BILL

91940 SMITH, MILTON R

91942 BAJAR, B O

91952 PACQUING, E

91958 TADENA, LUVI C

91960 MIYAHARA, ASAO

91966 PASION, ZENY

911002 LEAHEY, CHARLES E

911010 TEVES, OLIVER C

911014 BOWLIN, SAMUEL A

911020 YOSHIMURA, NATHAN T

911026 BERSALONA, ROMIE

911032 EVANS, WILLIAM M

911040 MIYASHIRO, STEVEN I

911056 CABATU, ROSE M

FORT WEAVER RD 1995 (Cont'd)

911056 WILSON, TIMOTHY R 911075 EWA REPAIR SHOP INC 911200 HAWAII PRINCE GOLF CLUB 911500 LIVING DESIGNS INC 911541 GENTRY CO 911841 CHILD & FAMILY SVC HALE O ULU SCHOOL 912002 KAHUA MEAT CO LTD KAHUA NURSERY & LANDSCAPE KAHUA RANCH LTD MOKULEHUA, STEPHEN 912006 NAKAMURA, KASEI 912026 FUJIWARA, KAORU HON SHOKAI LTD 912056 JORDAN, W MURAKAMI, B ONITSUKA, T ROBELLO, PAUL 912058 MALILAY, RUTH S PARKER, PHILLIP 912062 KIM, PAUL C 912064 KULOLOIA, FRANK MORALES, JOSHUA 912066 NAKAMURA, SHIGEKO 912068 KONO, TERRY T 912070 ROBERT A MC CLUNG 912072 GS BEAUTY SHOP 912076 ITO, H 912078 LEOS AUTO AIR 912080 DUARTE, EUGENE INOUYE, MICHAEL 912102 BAY GLASS & STEEL BORDEN, ERNEST D CARTER, ROBERT J 912106 MURATA, BM SANTAANA, NOLAN 912112 MCCLUNG, ROBERT 912114 KAMIKAWA, HARRY H 912126 HOKAMA, GORDON N MURATA, WALLY 912134 ONITSUKA, ANDREW K 912135 RICKARD, DUANE 912139 ADVANCED REHABILITATION TECHS ALFRED A INES MD ALICE C TROTTER ANTONIO B CORDERO MD CHARLES P CARROLL MD CLIFFORD B CHANG MD

> DANIEL M HARADA MD DANILO N ABLAN MD

FORT WEAVER RD 1995 (Cont'd)

912139 EUGENE G C WONG MD

FELY YLARDE MD

GWEN WILLIAMS

JARED G SUGIHARA MD

JON S FUJITA MD

JONNY R REBUDAL MD

KLEBERT JONES MD

LA VERNE A KIA MD

LEON GARCIA MD

MICHAEL J DIMITRION INC

NEPHROLOGY CONSULTANTS HAWAII

PACIFIC EYE SURGERY CTR INC

PATRICK NORMAN MD

PEDIATRIC MEDICAL GROUP INC

RICHARD S OH MD

ROY J EBISU MD

ST FRANCIS MEDICAL CTR WEST

ST FRANCIS MEDICAL PLAZA WEST

THOMAS K TASAKI MD

TIMOTHY H HAGINO MD

WAIPAHU PEDIATRICS

WEST OAHU OBSTETRICS & GYN OFC

WILLIAM F MC KENZIE MD

WILLIS J K CHANG MD

WORKSTAR OCCUPATIONAL HEALTH

912141 ALLEN STRASBERGER MD

EMERGENCY MEDICAL CARE INC

H LORRIN LAU MD

HAWAII CARDIOLOGY INC

JAMES B MAC MILLAN III MD

JAMES F LYONS MD

JOEL R OKAZAKI MD

NEAL J SHIKUMA MD

PERCIVAL CHEE MD

RADIOLOGY GROUP INC

ST FRANCIS MEDICAL CTR

912164 FUKUSHIMA, RALPH

912168 MAURICIO, DARYL

TANAKA, HARRY S

912170 RABANG, MICHAEL

912172 LEEWARD SIGN CO

NITANI, TOYO

912176 ALCAYDE, MARGUIL

BUCAO, EMERY

KIYOHIRO, TSUGIO

912180 HIGA, EDWARD M

SUDA, VIOLET S

YANAGISAWA, DENNIS N

912210 ALCOSIBA, CS

ARAGON, J R

FORT WEAVER RD 1995 (Cont'd)

912210 ARANAYDO, MARTIN I

CRAIL, DENNIS

DELISO, MARCEL P

LOO, ALAI

ORLANDO, GILBERT M

REDOBLE, THEO R

RETUTA, B

SWANSON, LAURA L

912225 ADVANCE BODY & PAINTING

CHARLIES AUTO BODY WORK

912240 CONSELVA, C M

JACINTO, HILARIO

PALAKIKO, DEBRA

PALAKIKO, RANDALL

STEWART, ERICA D

WALSH, SIDNEY

912249 WAIMALU WELDING CO

912270 ELISALA, ROBERT

912295 ELECTRONIC ELECTRIC SURPLUS

RCW TOWING LTD

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FORT WEAVER RD 1992

91 ABELLANIDA, ANDRES JR

ALCAYDE, MARGUIL

BERSALONA, ROMIE

BORDEN, ERNEST D

BOWLIN, SAMUEL A

CABATU, ROSE M

CASTRO DOSELIO

CASTRO, ROGELIO R

COLLIGNON, D

CONSELVA, C M

DELISO, MARCEL P

DUARTE, EUGENE

ELISALA, ROBERT

ESTOESTA, W C

EVANS, WILLIAM M

FUJIWARA, KAORU

FUKUSHIMA, RALPH

GALIOS, FRANK

HIGA, EDWARD M

HOKAMA, GORDON N

HOLMES, M

INOUYE, MICHAEL

ITO, H

JACINTO, HILARIO

JORDAN, W

KAMIKAWA, HARRY H

KIM, PAUL C

KIYOHIRO, TSUGIO

KONO, TERRY T

LALLEY, MICHAEL

LEAHEY, CHARLES E

LOO, ALAI

MALILAY, RUTH S

MIYASHIRO, STEVEN I

MOKULEHUA, STEPHEN

MORALES, JOSHUA

MURAKAMI, B

MURATA, B M

MURATA, WALLY

NAKAMURA, KASEI

NAKAMURA, MASAJI

NITANI, TOYO

ONITSUKA, ANDREW K

ONITSUKA, T

ORLANDO, GILBERT M

REDOBLE, THEO R

RETUTA, B

RICKARD, DUANE

ROMIAS, K

SOJOT, R

SUDA, RICHARD M

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✓ - Cole Information

FORT WEAVER RD 1992 (Cont'd)

91 SUGIMOTO, M SWANSON, LAURA L TAKEMURA, HAROLD TANAKA, HARRY S TEIXEIRA, L TEVES, OLIVER C TORRES, KEITH WALSH, J WALSH, SIDNEY WHITE, EVELYN WILSON, CANL C YANAGISAWA, DENNIS N YOSHIMURA, NATHAN T 91069 CASINTAHAN, RODRIGO DELACRUZ, MELCHOR ERHARDT, DARYL K FUENTES, EKILINO FUENTES, T GONZAGA, D GONZAGA, MARIO IOANE, SATIA MALOLOT, LENOR MORALES, RANDOLF M PALMEIRA, MARISE G QUISAGAN, ADRIANA 91095 FERNANDEZ, W 91105 FRINK, RON L KUALAPAI, ELDEN OLSON, RANDALL PETER, STANLEY SASAKI, CHANEL 91127 MARCHAN, ROSENDO JR 91147 MILLS, ROGER L 91153 HEMSLEY, GREGORY J 91163 YAGIN, ABRAHAM T JR 91167 BARKER, ALBERT H 91173 AHNEE, N 91177 GUILLERMO, V 91189 TODD, L 91193 CHING, R 91201 OKATA, N 91211 KUNIYOSHI, LESLIE 91221 BECKER, MARK W 91225 PEARLESMITH, C SMITH, ERNEST L 91235 FERGUSON, TRACI 91239 DUCELLO, DARRICK 91261 ELTAGONDE, NITO 91265 AOKI, MAURICE I 91270 BLACKFORD, MICHAEL E

FORT WEAVER RD 1992

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91270	MASS, WILLIAM		
	TURNER, BRUCE		
91271	SILVA, GILLIE C		
91275	KAPANA, WILLIAM K		
91279	MALDONADO, JAIME	•	
	RODRIGUES, RAYMOND		
91285	SOUZA, JANET		
91295	GARCIA, ANTHONY R		
91307	KALEO, RYAN		
91313	SHIROMA, D		
91317	MONIZ, GEORGE		
91339	SARAGOZA, ROQUE L		
91363	MONDALA, NESTOR B		
91369	NGUYEN, TU T		
91379	SUSTER, CHARLES D	HARLES D	
91383	CRUZ, L		
	DEMORUELLE, K	LE, K	
91393	LALAWAI, JAMES	AMES	
91401	ALEXANDER, BRIAN A		
91411	CABIGON, PAULINO A		
91415	CORNIEL, L		
	PATTERSON, CRAIG		
	YASCOLT, STAN		
91421	VONOELHOFFEN, JAMES	·	
91431	TAUYAN, CESAR		
91441	DACOCO, A B		
	DELACRUZ, E		
	TABIOS, TEDDY U	DDY U	
	VELANO, F		
91447	BANNISTER, HARLAN E		
91457	BENTOSINO, L	•	
91467	TOKUHIGA, TOSHIO	TOSHIO	
91477	RIGNEY, L		
91483	ORALLO, A		
	QUIACHON, GODFREY		
91511	KAMINSKI, STANLEY		
91517	KEALOHA, L		
91525	GABAY, FELICIA		
	SANTAANA, NOLAN		
91555	CHING, HARRY K		
	HALL, JERRY D		
91561	ANATIHAN, DESIREE J		
	TAUFA, SIONE T		
91593	WAIPA, ROBERT		
91645	OASAY, ANASITA R		
91653	BELEN, JOHN		
91705	PABLADILLO, MIGUEL F		
91711	PASCUAL, STEVE		
91737	BROOKS, M		
	CURRAN, ANTHONY	NTHONY	

FORT WEAVER RD 1992 (Cont'd)

91737 CURRAN, RITA

LEATHERWOOD, C J

POKI, J

RIES, DENNIS S RIO, DOMINGO A JR SILVA, DANETTE M

WILLING, GEORGE E

91755 LEACH, MELVIN

RIO, DIANA

YAMASHIRO, CLAYTON Y

91759 HARAGUCHI, DEBRA R

91765 BOTANES, ANTONIO G

NEBRES, S M

91779 COFFMAN, C L

91803 GUMBAN, C R

91817 VINCENT, JOSEPH S

91902 KOENIG, RICHARD

91919 SLOOP, JOHN B

91928 GODWIN, BILL

91934 NATIVIDAD, MOISES

91940 SMITH, MILTON R

91942 LANE, T

91950 KAAWA, THOMAS K

91952 PACQUING, E

91954 HATA, AI K

91958 TADENA, LUVI C

91960 MIYAHARA, ASAO

91966 CASHMAN, PAUL J JR

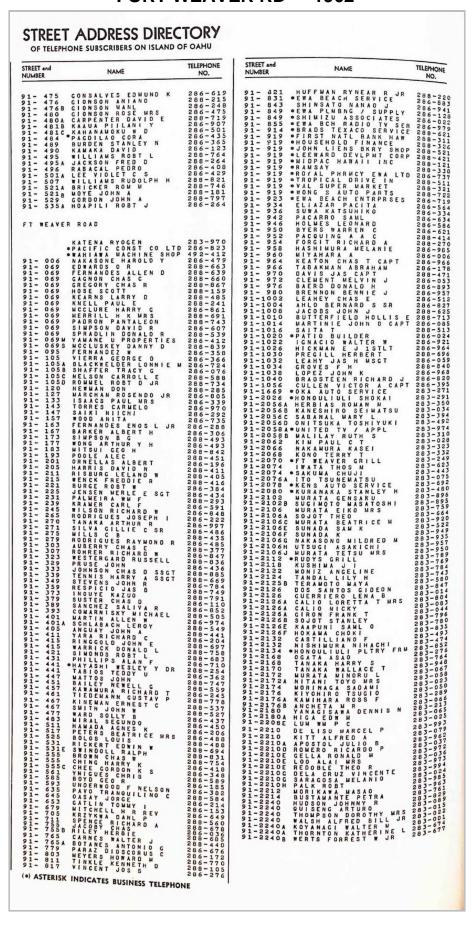
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✓ - General Telephone Co

91- 91- 91-	529A 529B 535A	ROS BUG SPH	E G SAC RING	LEN	NN E S R GER	HOTEL	657
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91- 91-	69	GAL	IMPL	JNC	AN	DRE N	689-1
91-	69	GRA	MES	RU	IVAL	DR	685-1
91- 91-	69	MCK	LER	SI	ROB	N D T F	6391
91-	69 69A	YOU	DADE	ERC	ER	C	665-6
91-	69B	GRA	Y RA	YY	NEY	Ä	605.
91- 91-	69L	CKA	ANE	U	LTD		605
91- 91-	69M	LEE	TUC	10	HEN	KY_	0071
91-	690 698	HAL	MUS	NI	A IN	E D	6671
91-	695	BEL	IN (JEZ	LA		65rt
91-	105A	PAL	KRA	GE	OUY		657. 657. 657.
91-	105B	CAL	DWEL ER	TA	JE2	A PEF	689
91-	120	RUG	CHAN	L	OSE	NDO JR	685
91-	137A	WEL	CONC	EL	LUS	Y 11	669
91-	1055 1055 1055 1207 1277 1373 1447 157	TOR	KES	GE	CHI		600
91-	153	PAC	HECK	III	A	U T IR	689
91 91	163	YAG	IN KER	AL	BER	TH	665
91-	173	MAM	IAS	MA	NUE	L	666666666666666666666666666666666666666
91- 91-	177	SIM	MPSUM	N	M K		689
91-	189	TOD	EN K	EN	DAL	LC	669
91-	201	DRN	AMUH	A	HAR	UKO	685
91-	211	BES	NSUN	ISK	NIA	NO SHOP	666666666666666666666666666666666666666
91-	221 *	SON	TH J	AS	LIM	JIHY R	665
999999999999999999999999999999999999999	06666666666666666666666666666666666666	TUK	BYF	EL	DG	CHARD A	689
91-	239	WIL	SUN	RI	CHAR	JAINE L	669
91-	255	LOR	SON	LE	NI	ro	669
91-	261	AOK	I MA	JUR	HNN	Y .	608:
91-	270	MAZ	EY	SK	I TI	HUS	
91- 91-	270	MIK	Z HE	RM	LIE	CSRP	607
91-	275	VEG	SIL	AI	KUCI	N UN	666666666666
91-	285	PAS	CHAL	AN	THON	YR	687
	295 307 307A	MAL	UNE	RU	IS	1	656
91-	313	IHE	IZ G	EÖ	NSUE	LU	655
91-	323	CAB	SE_J	OH	NLAC	EFE	655
91-	343	EGB VAS	CUNC	EL	LOS	G	607
91-	353A	BOT	ANSK	Y	AS L	NH H	607
91-	379	KAM	ANAU	CH	ARD	Ĉ	607
91-	411	HAN	SUN	DA	LEY	UAN E	tor
91-	441	HAN	NISI	EX	FRAN	CIS	6.4
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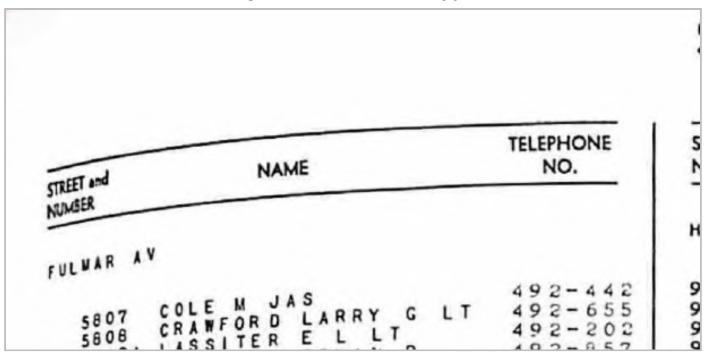
✓ - General Telephone Co

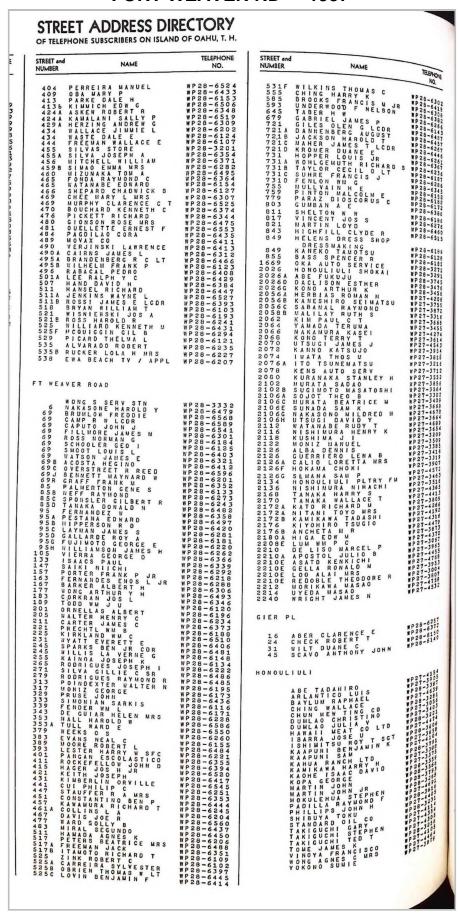
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Target Street Cross Street

<u>Source</u> General Telephone Co





<u>Source</u> General Telephone Co

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APPENDIX H

REGULATORY DATABASE REPORT

22.734-Acre Property 91-2002 Fort Weaver Road Ewa Beach, HI 96706

Inquiry Number: 8137757.2s

October 13, 2025

The EDR Radius Map™ Report with GeoCheck®



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LIGHTBOX LIVE

Open LightBox Live to access data, tools, and advanced analytics in one online platform.

http://www.web.edrnet.com/ordering/switchboard/login.aspx?s=goto_lightbox&pguid=F58C9998-D955-4C34-9F71-99A62848991B

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A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E1527 - 21), the ASTM Standard Practice for Environmental Site Assessments for Forestland or Rural Property (E2247 - 23), the ASTM Standard Practice for Limited Environmental Due Diligence: Transaction Screen Process (E1528 - 22) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

91-2002 FORT WEAVER ROAD EWA BEACH, HI 96706

COORDINATES

Latitude (North): 21.3619460 - 21° 21' 43.00" Longitude (West): 158.0303790 - 158° 1' 49.36"

Universal Tranverse Mercator: Zone 4 UTM X (Meters): 600531.8 UTM Y (Meters): 2362376.8

Elevation: 10 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map: 9757679 EWA, HI

Version Date: 2017

Northeast Map: 9814487 WAIPAHU, HI

Version Date: 2017

Southeast Map: 9814485 PEARL HARBOR, HI

Version Date: 2017

Northwest Map: 9757685 SCHOFIELD BARRACKS, HI

Version Date: 2017

MAPPED SITES SUMMARY

Target Property Address: 91-2002 FORT WEAVER ROAD EWA BEACH, HI 96706

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
A1	KAHUA MEAT CO LTD	91-2002-G FT WEAVER	FINDS		TP
A2	KAHUA MEAT CO LTD	91-2002 G FORT WEAVE	FINDS		TP
Reg	JOINT BASE PEARL HAR		DOD	Same	2244, 0.425, ESE
Reg	JOINT BASE PEARL HAR		DOD	Same	4775, 0.904, East
Reg	PEARL HARBOR NAVAL C	US NAVAL COMMAND	NPL, SEMS, US ENG CONTROLS, US INST CONTROLS	, ROD,Same	2122, 0.402, ESE
B3	KEN'S AUTO SERVICE	91-2078 FT WEAVER RD	UST FINDER	Higher	301, 0.057, NW
B4	KEN'S AUTO SERVICE	91-2078 FT WEAVER RD	UST	Higher	301, 0.057, NW
C5	C & S SERVICES, INC	91-2126 OLD FORT WEA	RCRA-SQG	Higher	524, 0.099, NNW
C6	C & S SERVICES, INC.	91-2126 G OLD FORT W	E MANIFEST	Higher	524, 0.099, NNW
7	C & S SERVICES, INC	91-2126 OLD FORT WEA	HWP	Higher	1239, 0.235, North
8	EAST KAPOLEI HOOPILI		SHWS	Higher	3153, 0.597, WNW
9	ABC CORPORATION LEOW	94-131 LEOWAENA ST	SHWS	Higher	4278, 0.810, NNE
D10	ZIPPY S PARCEL	91-1669 FORT WEAVER	SHWS	Higher	4483, 0.849, South
D11	EWA REPAIR SHOP/TESO	91-1669 FORT WEAVER	SHWS	Higher	4483, 0.849, South
12	PACIFIC MACHINERY	94-025 FARRINGTON HW	RCRA-VSQG, SHWS, LUST, UST, SPILLS, Financial	Higher	4620, 0.875, NNE
13	HART FARRINGTON HIGH	HDOT FORT WEAVER RD-	SHWS	Higher	5168, 0.979, NNE

TARGET PROPERTY SEARCH RESULTS

The target property was identified in the following records. For more information on this property see page 8 of the attached EDR Radius Map report:

Site	Database(s)	EPA ID
KAHUA MEAT CO LTD 91-2002-G FT WEAVER EWA BEACH, HI 96706	FINDS Registry ID:: 110070269455	N/A
KAHUA MEAT CO LTD 91-2002 G FORT WEAVE EWA BEACH, HI 96706	FINDS Registry ID:: 110070269487	N/A

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

STANDARD ENVIRONMENTAL RECORDS

Lists of Federal NPL (Superfund) sites									
Proposed NPLNPL LIENS	 Proposed National Priority List Sites Federal Superfund Liens 								
Lists of Federal Delisted NF	PL sites								
Delisted NPL	National Priority List Deletions								
Lists of Federal sites subject	ct to CERCLA removals and CERCLA orders								
FEDERAL FACILITY	Federal Facility Site Information listing								
Lists of Federal CERCLA si	tes with NFRAP								
SEMS-ARCHIVE	Superfund Enterprise Management System Archive								
Lists of Federal RCRA facili	ities undergoing Corrective Action								
CORRACTS	. Corrective Action Report								
Lists of Federal RCRA TSD	facilities								
RCRA-TSDF	RCRA - Treatment, Storage and Disposal								

RCRA-LQG...... RCRA - Large Quantity Generators

Generators)

Federal institutional controls / engineering controls registries

LUCIS.....Land Use Control Information System

Federal ERNS list

ERNS..... Emergency Response Notification System

Lists of state and tribal landfills and solid waste disposal facilities

SWF/LF..... Permitted Landfills in the State of Hawaii

Lists of state and tribal leaking storage tanks

Leaking Underground Storage Tank Database INDIAN LUST..... Leaking Underground Storage Tanks on Indian Land

Lists of state and tribal registered storage tanks

FEMA UST..... Underground Storage Tank Listing

INDIAN UST..... Underground Storage Tanks on Indian Land

State and tribal institutional control / engineering control registries

ENG CONTROLS..... Engineering Control Sites INST CONTROL..... Sites with Institutional Controls

Lists of state and tribal voluntary cleanup sites

VCP......Voluntary Response Program Sites INDIAN VCP.....Voluntary Cleanup Priority Listing

Lists of state and tribal brownfield sites

BROWNFIELDS______ Brownfields Sites

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS..... A Listing of Brownfields Sites

Local Lists of Landfill / Solid Waste Disposal Sites

SWRCY..... Solid Waste Recycling Information

INDIAN ODI...... Report on the Status of Open Dumps on Indian Lands

ODI..... Open Dump Inventory

DEBRIS REGION 9..... Torres Martinez Reservation Illegal Dump Site Locations IHS OPEN DUMPS..... Open Dumps on Indian Land

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL..... Delisted National Clandestine Laboratory Register

CDL...... Clandestine Drug Lab Listing

US CDL...... National Clandestine Laboratory Register

Local Land Records

LIENS 2..... CERCLA Lien Information

Records of Emergency Release Reports

HMIRS..... Hazardous Materials Information Reporting System

SPILLS...... Release Notifications

SPILLS 90 data from FirstSearch

Other Ascertainable Records

RCRA NonGen / NLR....... RCRA - Non Generators / No Longer Regulated

US FIN ASSUR..... Financial Assurance Information

EPA WATCH LIST..... EPA WATCH LIST

2020 COR ACTION...... 2020 Corrective Action Program List

TSCA Toxic Substances Control Act
TRIS Toxic Chemical Release Inventory System

SSTS..... Section 7 Tracking Systems RMP..... Risk Management Plans

RAATS_____RCRA Administrative Action Tracking System

PRP...... Potentially Responsible Parties PADS...... PCB Activity Database System

ICIS......Integrated Compliance Information System

FTTS......FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide

Act)/TSCA (Toxic Substances Control Act)

..... Material Licensing Tracking System COAL ASH DOE Steam-Electric Plant Operation Data

COAL ASH EPA..... Coal Combustion Residues Surface Impoundments List

PCB TRANSFORMER...... PCB Transformer Registration Database

RADINFO...... Radiation Information Database

HIST FTTS..... FIFRA/TSCA Tracking System Administrative Case Listing

DOT OPS..... Incident and Accident Data

CONSENT...... Superfund (CERCLA) Consent Decrees

INDIAN RESERV..... Indian Reservations

FUSRAP..... Formerly Utilized Sites Remedial Action Program

UMTRA..... Uranium Mill Tailings Sites

LEAD SMELTERS..... Lead Smelter Sites

US AIRS..... Aerometric Information Retrieval System Facility Subsystem

US MINES..... Mines Master Index File ABANDONED MINES..... Abandoned Mines

MINES MRDS..... Mineral Resources Data System UXO...... Unexploded Ordnance Sites

ECHO..... Enforcement & Compliance History Information

DOCKET HWC..... Hazardous Waste Compliance Docket Listing FUELS PROGRAM..... EPA Fuels Program Registered Listing PFAS NPL.....Superfund Sites with PFAS Detections Information PFAS FEDERAL SITES..... Federal Sites PFAS Information PFAS TSCA...... PFAS Manufacture and Imports Information PFAS TRIS.....List of PFAS Added to the TRI PFAS RCRA MANIFEST..... PFAS Transfers Identified In the RCRA Database Listing PFAS ATSDR..... PFAS Contamination Site Location Listing PFAS WQP..... Ambient Environmental Sampling for PFAS PFAS PROJECT..... NORTHEASTERN UNIVERSITY PFAS PROJECT PFAS NPDES...... Clean Water Act Discharge Monitoring Information PFAS ECHO..... Facilities in Industries that May Be Handling PFAS Listing PFAS ECHO FIRE TRAIN.... Facilities in Industries that May Be Handling PFAS Listing PFAS PT 139 AIRPORT..... All Certified Part 139 Airports PFAS Information Listing AQUEOUS FOAM NRC..... Aqueous Foam Related Incidents Listing PFAS......PFAS Contamination Site Listing AIRS..... List of Permitted Facilities DRYCLEANERS..... Permitted Drycleaner Facility Listing Financial Assurance Information Listing LEAD.....LEAD UIC...... Underground Injection Wells Listing

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP	EDR Proprietary Manufactured Gas Plants
EDR Hist Auto	EDR Exclusive Historical Auto Stations
EDR Hist Cleaner	EDR Exclusive Historical Cleaners

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA HWS	Recovered Government Archive State Hazardous Waste Facilities List
RGA LF	Recovered Government Archive Solid Waste Facilities List
RGA LUST	Recovered Government Archive Leaking Underground Storage Tank

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.

Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in **bold italics** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

STANDARD ENVIRONMENTAL RECORDS

Lists of Federal NPL (Superfund) sites

NPL: Also known as Superfund, the National Priority List database is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund program. The source of this database is the U.S. EPA.

A review of the NPL list, as provided by EDR, and dated 06/26/2025 has revealed that there is 1 NPL site within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
PEARL HARBOR NAVAL C Cerclis ID:: 904481	US NAVAL COMMAND	ESE 1/4 - 1/2 (0.402 mi.)	0	9
EPA Id: HI4170090076				

Lists of Federal sites subject to CERCLA removals and CERCLA orders

SEMS: SEMS (Superfund Enterprise Management System) tracks hazardous waste sites, potentially hazardous waste sites, and remedial activities performed in support of EPA's Superfund Program across the United States. The list was formerly know as CERCLIS, renamed to SEMS by the EPA in 2015. The list contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). This dataset also contains sites which are either proposed to or on the National Priorities List (NPL) and the sites which are in the screening and assessment phase for possible inclusion on the NPL.

A review of the SEMS list, as provided by EDR, and dated 06/26/2025 has revealed that there is 1 SEMS site within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
PEARL HARBOR NAVAL C Site ID: 0904481	US NAVAL COMMAND	ESE 1/4 - 1/2 (0.402 mi.)	0	9
EPA ld: HI4170090076				

Lists of Federal RCRA generators

RCRA-SQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

A review of the RCRA-SQG list, as provided by EDR, and dated 06/02/2025 has revealed that there is 1 RCRA-SQG site within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
C & S SERVICES, INC	91-2126 OLD FORT WEA	NNW 0 - 1/8 (0.099 mi.)	C5	58

EPA ID:: HIR000146613

Federal institutional controls / engineering controls registries

US ENG CONTROLS: A listing of sites with engineering controls in place.

A review of the US ENG CONTROLS list, as provided by EDR, and dated 05/19/2025 has revealed that there is 1 US ENG CONTROLS site within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
PEARL HARBOR NAVAL C EPA ID:: HI4170090076	US NAVAL COMMAND	ESE 1/4 - 1/2 (0.402 mi.)	0	9
EPA ID:: HI4170090076				

US INST CONTROLS: A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

A review of the US INST CONTROLS list, as provided by EDR, and dated 05/19/2025 has revealed that there is 1 US INST CONTROLS site within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page	
PEARL HARBOR NAVAL C	US NAVAL COMMAND	ESE 1/4 - 1/2 (0.402 mi.)	0	9	
EPA ID:: HI4170090076					

Lists of state- and tribal hazardous waste facilities

SHWS: The State Hazardous Waste Sites records are the states' equivalent to CERCLIS. These sites may or may not already be listed on the federal CERCLIS list. Priority sites planned for cleanup using state funds (state equivalent of Superfund) are identified along with sites where cleanup will be paid for by potentially responsible parties. The data come from the Department of Health.

A review of the SHWS list, as provided by EDR, and dated 03/06/2024 has revealed that there are 6 SHWS sites within approximately 1 mile of the target property.

Equal/Higher Elevation Address		Direction / Distance	Map ID	Page
EAST KAPOLEI HOOPILI		WNW 1/2 - 1 (0.597 mi.)	8	65
ABC CORPORATION LEOW	94-131 LEOWAENA ST	NNE 1/2 - 1 (0.810 mi.)	9	67
ZIPPY S PARCEL	91-1669 FORT WEAVER	S 1/2 - 1 (0.849 mi.)	D10	70
EWA REPAIR SHOP/TESO	91-1669 FORT WEAVER	S 1/2 - 1 (0.849 mi.)	D11	71
PACIFIC MACHINERY	94-025 FARRINGTON HW	NNE 1/2 - 1 (0.875 mi.)	12	74
HART FARRINGTON HIGH	HDOT FORT WEAVER RD-	NNE 1/2 - 1 (0.979 mi.)	13	96

Lists of state and tribal registered storage tanks

UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the Department of Health's Listing of Underground Storage Tanks.

A review of the UST list, as provided by EDR, and dated 04/29/2025 has revealed that there is 1 UST site within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
KEN'S AUTO SERVICE Facility Id: 9-200823 Date Closed: 04/01/1988	91-2078 FT WEAVER RD	NW 0 - 1/8 (0.057 mi.)	B4	57

Tank Status: Permanently Out of Use

ADDITIONAL ENVIRONMENTAL RECORDS

Other Ascertainable Records

DOD: Consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

A review of the DOD list, as provided by EDR, and dated 06/07/2021 has revealed that there are 2 DOD sites within approximately 1 mile of the target property.

Equal/Higher Elevation Address		Direction / Distance	Map ID	Page
JOINT BASE PEARL HAR		ESE 1/4 - 1/2 (0.425 mi.)	0	8
JOINT BASE PEARL HAR		E 1/2 - 1 (0.904 mi.)	0	9

ROD: Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid the cleanup.

A review of the ROD list, as provided by EDR, and dated 07/29/2025 has revealed that there is 1 ROD site within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page	
PEARL HARBOR NAVAL C	US NAVAL COMMAND	ESE 1/4 - 1/2 (0.402 mi.)	0	9	
EPA ID:: HI4170090076					

UST FINDER: EPA developed UST Finder, a web map application containing a comprehensive, state-sourced national map of underground storage tank (UST) and leaking UST (LUST) data. It provides the attributes and locations of active and closed USTs, UST facilities, and LUST sites from states and from Tribal lands and US territories. UST Finder contains information about proximity of UST facilities and LUST sites to: surface and groundwater public drinking water protection areas; estimated number of private domestic wells and number of people living nearby; and flooding and wildfires.

A review of the UST FINDER list, as provided by EDR, and dated 06/08/2023 has revealed that there is

1 UST FINDER site within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page	
KEN'S AUTO SERVICE	91-2078 FT WEAVER RD	NW 0 - 1/8 (0.057 mi.)	B3	56	

E MANIFEST: EPA established a national system for tracking hazardous waste shipments electronically. This system, known as ?e-Manifest,? will modernize the nation?s cradle-to-grave hazardous waste tracking process while saving valuable time, resources, and dollars for industry and states.

A review of the E MANIFEST list, as provided by EDR, and dated 06/02/2025 has revealed that there is 1 E MANIFEST site within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
C & S SERVICES, INC.	91-2126 G OLD FORT W	NNW 0 - 1/8 (0.099 mi.)	C6	60

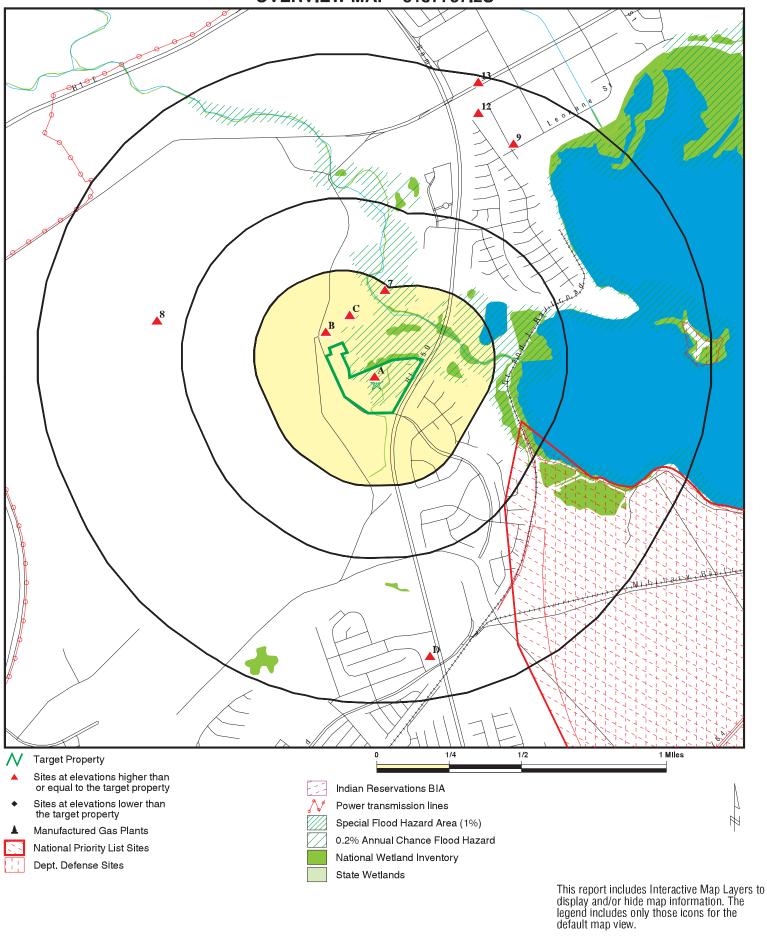
HWP: A list of files with HW file numbers. This means there was likely some kind of hazardous waste or used oil activity at the site in the past, but not necessarily currently. There could also be sites for which the department received a complaint from the public but there was never any regulated activity that occurred at that site.

A review of the HWP list, as provided by EDR, and dated 05/23/2025 has revealed that there is 1 HWP site within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page	
C & S SERVICES, INC	91-2126 OLD FORT WEA	N 1/8 - 1/4 (0.235 mi.)	7	64	

There were no unmapped sites in this report.

OVERVIEW MAP - 8137757.2S



SITE NAME: 22.734-Acre Property

91-2002 Fort Weaver Road

Ewa Beach HI 96706

21.361946 / 158.030379

ADDRESS:

LAT/LONG:

October 13, 2025 8:37 am

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Ford & Associates, Inc.

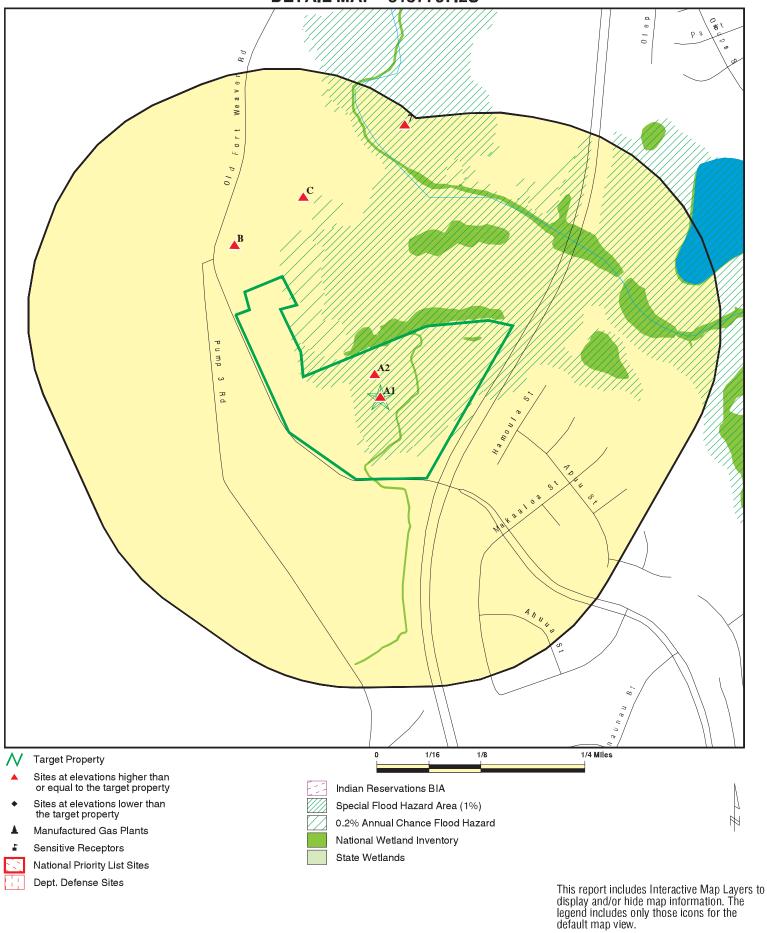
Tim Swartz

INQUIRY#: 8137757.2s

CLIENT: CONTACT:

DATE:

DETAIL MAP - 8137757.2S



Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	>1	Total Plotted
STANDARD ENVIRONMENT	TAL RECORDS							
Lists of Federal NPL (Su	perfund) site:	s						
NPL Proposed NPL NPL LIENS	1.000 1.000 1.000		0 0 0	0 0 0	1 0 0	0 0 0	NR NR NR	1 0 0
Lists of Federal Delisted	NPL sites							
Delisted NPL	1.000		0	0	0	0	NR	0
Lists of Federal sites sur CERCLA removals and C		ers						
FEDERAL FACILITY SEMS	0.500 0.500		0 0	0 0	0 1	NR NR	NR NR	0 1
Lists of Federal CERCLA	A sites with N	FRAP						
SEMS-ARCHIVE	0.500		0	0	0	NR	NR	0
Lists of Federal RCRA fa undergoing Corrective A								
CORRACTS	1.000		0	0	0	0	NR	0
Lists of Federal RCRA T	SD facilities							
RCRA-TSDF	0.500		0	0	0	NR	NR	0
Lists of Federal RCRA g	enerators							
RCRA-LQG RCRA-SQG RCRA-VSQG	0.250 0.250 0.250		0 1 0	0 0 0	NR NR NR	NR NR NR	NR NR NR	0 1 0
Federal institutional con engineering controls reg								
LUCIS US ENG CONTROLS US INST CONTROLS	0.500 0.500 0.500		0 0 0	0 0 0	0 1 1	NR NR NR	NR NR NR	0 1 1
Federal ERNS list								
ERNS	TP		NR	NR	NR	NR	NR	0
Lists of state- and tribal hazardous waste facilities	es							
SHWS	1.000		0	0	0	6	NR	6
Lists of state and tribal l and solid waste disposa								
SWF/LF	0.500		0	0	0	NR	NR	0
Lists of state and tribal l	eaking storag	ge tanks						
LUST	0.500		0	0	0	NR	NR	0

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	<u>1/2 - 1</u>	<u>> 1</u>	Total Plotted
INDIAN LUST	0.500		0	0	0	NR	NR	0
Lists of state and tribal	registered sto	orage tanks						
FEMA UST UST INDIAN UST	0.250 0.250 0.250		0 1 0	0 0 0	NR NR NR	NR NR NR	NR NR NR	0 1 0
State and tribal institution		es						
ENG CONTROLS INST CONTROL	0.500 0.500		0 0	0 0	0 0	NR NR	NR NR	0 0
Lists of state and tribal	voluntary clea	anup sites						
VCP INDIAN VCP	0.500 0.500		0 0	0 0	0 0	NR NR	NR NR	0 0
Lists of state and tribal	brownfield sit	tes						
BROWNFIELDS	0.500		0	0	0	NR	NR	0
ADDITIONAL ENVIRONME	NTAL RECORD	<u>s</u>						
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
Local Lists of Landfill / Waste Disposal Sites	Solid							
SWRCY INDIAN ODI ODI DEBRIS REGION 9 IHS OPEN DUMPS	0.500 0.500 0.500 0.500 0.500		0 0 0 0	0 0 0 0	0 0 0 0	NR NR NR NR NR	NR NR NR NR NR	0 0 0 0
Local Lists of Hazardou Contaminated Sites	s waste /							
US HIST CDL CDL US CDL	TP TP TP		NR NR NR	NR NR NR	NR NR NR	NR NR NR	NR NR NR	0 0 0
Local Land Records								
LIENS 2	TP		NR	NR	NR	NR	NR	0
Records of Emergency	Release Repo	orts						
HMIRS SPILLS SPILLS 90	TP TP TP		NR NR NR	NR NR NR	NR NR NR	NR NR NR	NR NR NR	0 0 0
Other Ascertainable Rec	cords							
RCRA NonGen / NLR FUDS DOD	0.250 1.000 1.000		0 0 0	0 0 0	NR 0 1	NR 0 1	NR NR NR	0 0 2

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
US FIN ASSUR	TP		NR	NR	NR	NR	NR	0
EPA WATCH LIST	TP		NR	NR	NR	NR	NR	Ő
2020 COR ACTION	0.250		0	0	NR	NR	NR	Ő
TSCA	TP		NR	NR	NR	NR	NR	Ő
TRIS	TP		NR	NR	NR	NR	NR	Ö
SSTS	TP		NR	NR	NR	NR	NR	Ö
ROD	1.000		0	0	1	0	NR	1
RMP	TP		NR	NR	NR	NR	NR	0
RAATS	TP		NR	NR	NR	NR	NR	0
PRP	TP		NR	NR	NR	NR	NR	0
PADS	TP		NR	NR	NR	NR	NR	0
ICIS	TP		NR	NR	NR	NR	NR	0
FTTS	TP		NR	NR	NR	NR	NR	0
MLTS	TP		NR	NR	NR	NR	NR	0
COAL ASH DOE	TP		NR	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	TP		NR	NR	NR	NR	NR	0
RADINFO	TP		NR	NR	NR	NR	NR	0
HIST FTTS	TP		NR	NR	NR	NR	NR	0
DOT OPS	TP		NR	NR	NR	NR	NR	0
CONSENT	1.000		0	0	0	0	NR	0
INDIAN RESERV	1.000		0	0	0	0	NR	0
FUSRAP	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
LEAD SMELTERS	TP		NR	NR	NR	NR	NR	0
US AIRS	TP		NR	NR	NR	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
ABANDONED MINES	0.250		0	0	NR	NR	NR	0
MINES MRDS	0.250	0	0	0	NR	NR	NR	0
FINDS UXO	TP 1.000	2	NR 0	NR 0	NR 0	NR 0	NR NR	2 0
ECHO	TP		NR	NR	NR	NR	NR	0
DOCKET HWC	TP		NR	NR	NR	NR	NR	0
FUELS PROGRAM	0.250		0	0	NR	NR	NR	0
PFAS NPL	0.250		0	Ö	NR	NR	NR	0
PFAS FEDERAL SITES	0.250		0	Ö	NR	NR	NR	0
PFAS TSCA	0.250		Ö	Ö	NR	NR	NR	Ö
PFAS TRIS	0.250		Ö	Ö	NR	NR	NR	Ö
PFAS RCRA MANIFEST	0.250		Ö	Ö	NR	NR	NR	Ö
PFAS ATSDR	0.250		Ō	Ō	NR	NR	NR	Ō
PFAS WQP	0.250		0	0	NR	NR	NR	0
PFAS PROJECT	0.250		0	0	NR	NR	NR	0
PFAS NPDES	0.250		0	0	NR	NR	NR	0
PFAS ECHO	0.250		0	0	NR	NR	NR	0
PFAS ECHO FIRE TRAIN	0.250		0	0	NR	NR	NR	0
PFAS PT 139 AIRPORT	0.250		0	0	NR	NR	NR	0
AQUEOUS FOAM NRC	0.250		0	0	NR	NR	NR	0
BIOSOLIDS	TP		NR	NR	NR	NR	NR	0
UST FINDER RELEASE	0.500		0	0	0	NR	NR	0
UST FINDER	0.250		1	0	NR	NR	NR	1

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
E MANIFEST	0.250		1	0	NR	NR	NR	1
PFAS	0.250		0	0	NR	NR	NR	0
AIRS	TP		NR	NR	NR	NR	NR	0
DRYCLEANERS	0.250		0	0	NR	NR	NR	0
Financial Assurance	TP		NR	NR	NR	NR	NR	0
HWP	0.250		0	1	NR	NR	NR	1
LEAD	TP		NR	NR	NR	NR	NR	0
UIC	TP		NR	NR	NR	NR	NR	0
EDR HIGH RISK HISTORIO EDR Exclusive Record EDR MGP EDR Hist Auto EDR Hist Cleaner			0 0 0	0 NR NR	0 NR NR	0 NR NR	NR NR NR	0 0 0
EDR RECOVERED GOVE	-	VES						
Exclusive Recovered (Govt. Archives							
RGA HWS	TP		NR	NR	NR	NR	NR	0
RGA LF	TP		NR	NR	NR	NR	NR	0
RGA LUST	TP		NR	NR	NR	NR	NR	0
- Totals		2	4	1	6	7	0	20

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

Map ID MAP FINDINGS

Direction Distance

Elevation Site Database(s) EPA ID Number

A1 KAHUA MEAT CO LTD FINDS 1024367806
Target 91-2002-G FT WEAVER RD N/A

Target 91-2002-G FT WEAVER RD Property EWA BEACH, HI 96706

Site 1 of 2 in cluster A

Actual: FINDS:

10 ft. Registry ID: 110070269455

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:

The Department of Labor, Occupational Safety and Health Administration information system consists of inspection case detail for approximately 100,000 OSHA inspections conducted annually. The FRS dataset includes facilities that had inspections within the last 7 years within the mining, oil and gas, utilities, and manufacturing

sectors.

Click this hyperlink while viewing on your computer to access

additional FINDS: detail in the EDR Site Report.

A2 KAHUA MEAT CO LTD FINDS 1024367831
Target 91-2002 G FORT WEAVER RD N/A

Property EWA BEACH, HI 96706

Site 2 of 2 in cluster A

Actual: FINDS:

10 ft. Registry ID: 110070269487

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:

The Department of Labor, Occupational Safety and Health Administration information system consists of inspection case detail for

approximately 100,000 OSHA inspections conducted annually. The FRS

dataset includes facilities that had inspections within the last 7 years within the mining, oil and gas, utilities, and manufacturing

sectors.

Click this hyperlink while viewing on your computer to access

additional FINDS: detail in the EDR Site Report.

DOD JOINT BASE PEARL HARBOR-HICKAM DOD CUSA402070

Region ESE 1/4-1/2 2244 ft.

, HI

4-1/2

DOD:

Site Name: JOINT BASE PEARL HARBOR-HICKAM

DOD Component: Navy Active

Joint Base: Joint Base Pearl Harbor-Hickam

Operating Status: ACT (Active): Site has an on-going operational/support mission (s).

N/A

EDR ID Number

MAP FINDINGS Map ID

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

DOD JOINT BASE PEARL HARBOR-HICKAM DOD CUSA402066 Region N/A

East 1/2-1

4775 ft.

2122 ft.

, HI

DOD:

Site Name: JOINT BASE PEARL HARBOR-HICKAM

DOD Component: Navy Active

Joint Base: Joint Base Pearl Harbor-Hickam

Operating Status: ACT (Active): Site has an on-going operational/support mission (s).

NPL PEARL HARBOR NAVAL COMPLEX Region **US NAVAL COMMAND** ESE

PEARL HARBOR, HI 96860 1/4-1/2

NPL 1000707626 SEMS HI4170090076 **US ENG CONTROLS**

US INST CONTROLS ROD PRP **PFAS NPL**

NPL:

EPA Region: q

EPA ID: HI4170090076 Site ID: 904481

PEARL HARBOR NAVAL COMPLEX Name:

Us Naval Command Address: City, State, Zip: PEARL HARBOR, HI 96860

Federal:

Final Date: 1992-10-14 00:00:00 Latitude: 21.388889

-157.983333 Longitude:

Site Score: 70.81999999999993 NAI: Not reported

Native American Entity: Not reported

Substance as of 08/2019:

NPL Status: Currently on the Final NPL

Substance ID: U220 CAS Number: 108-88-3 **TOLUENE** Substance:

SOIL EXPOSURE PATHWAY Pathway:

Scoring:

NPL Status: Currently on the Final NPL

Substance ID: U228 CAS Number: 79-01-6

TRICHLOROETHYLENE (TCE) Substance: Pathway: SOIL EXPOSURE PATHWAY

Scoring:

NPL Status: Currently on the Final NPL

Substance ID: Not reported CAS Number: Not reported Not reported Substance: Pathway: Not reported Scoring: Not reported

NPL Status: Currently on the Final NPL

Substance ID: A023 CAS Number: 72-55-9

MAP FINDINGS Map ID

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

PEARL HARBOR NAVAL COMPLEX (Continued)

Substance: DDE

SURFACE WATER PATHWAY Pathway:

Scoring:

NPL Status: Currently on the Final NPL

A046 Substance ID: CAS Number: 1336-36-3

POLYCHLORINATED BIPHENYLS Substance: Pathway: SURFACE WATER PATHWAY

Scoring:

NPL Status: Currently on the Final NPL

Substance ID: A059 CAS Number: 75-27-4

BROMODICHLOROMETHANE Substance:

AIR PATHWAY Pathway:

Scoring:

NPL Status: Currently on the Final NPL

A059 Substance ID: CAS Number: 75-27-4

BROMODICHLOROMETHANE Substance: Pathway: SOIL EXPOSURE PATHWAY

Scoring:

NPL Status: Currently on the Final NPL

Substance ID: C049 CAS Number: 100-41-4 **ETHYLBENZENE** Substance:

SOIL EXPOSURE PATHWAY Pathway:

Scoring:

NPL Status: Currently on the Final NPL

Substance ID: C315 7738-94-5 CAS Number: Substance: CHROMIC ACID

Pathway: NO PATHWAY INDICATED

Scoring:

NPL Status: Currently on the Final NPL

Substance ID: C320 CAS Number: 18540-29-9

Substance: CHROMIUM, HEXAVALENT NO PATHWAY INDICATED Pathway:

Scoring:

NPL Status: Currently on the Final NPL

Substance ID: C460 CAS Number: 7439-97-6 **MERCURY** Substance:

SURFACE WATER PATHWAY Pathway:

Scoring:

NPL Status: Currently on the Final NPL

C497 Substance ID: CAS Number: 8052-41-3

Substance: STODDARD SOLVENT 1000707626

MAP FINDINGS Map ID

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

PEARL HARBOR NAVAL COMPLEX (Continued)

1000707626

Pathway: NO PATHWAY INDICATED

Scoring:

NPL Status: Currently on the Final NPL

Substance ID: C517 CAS Number: 108-38-3 XYLENE, M-Substance:

SOIL EXPOSURE PATHWAY Pathway:

Scoring:

Currently on the Final NPL NPL Status:

Substance ID: C525 CAS Number: 314-40-9 Substance: **BROMACIL**

NO PATHWAY INDICATED Pathway:

Scoring:

NPL Status: Currently on the Final NPL

Substance ID: C573 CAS Number: 333-41-5 Substance: DIAZINON

NO PATHWAY INDICATED Pathway:

Scoring:

NPL Status: Currently on the Final NPL

Substance ID: D004 CAS Number: 7440-38-2 Substance: **ARSENIC**

GROUND WATER PATHWAY Pathway:

Scoring:

NPL Status: Currently on the Final NPL

Substance ID: 60-57-1 CAS Number: **DIELDRIN** Substance:

NO PATHWAY INDICATED Pathway:

Scoring:

NPL Status: Currently on the Final NPL

Substance ID: U028 CAS Number: 117-81-7

Substance: BIS(2-ETHYLHEXYL)PHTHALATE Pathway: SURFACE WATER PATHWAY

Scoring:

NPL Status: Currently on the Final NPL

Substance ID: U036 CAS Number: 57-74-9 **CHLORDANE** Substance:

SURFACE WATER PATHWAY Pathway:

Scoring:

NPL Status: Currently on the Final NPL

Substance ID: U037 108-90-7 CAS Number:

Substance: **CHLOROBENZENE** Pathway: AIR PATHWAY

Map ID MAP FINDINGS

Direction Distance

Elevation Site Database(s) EPA ID Number

PEARL HARBOR NAVAL COMPLEX (Continued)

1000707626

EDR ID Number

Scoring: 3

NPL Status: Currently on the Final NPL

Substance ID: U037 CAS Number: 108-90-7

Substance: CHLOROBENZENE

Pathway: SURFACE WATER PATHWAY

Scoring:

NPL Status: Currently on the Final NPL

Substance ID: U061
CAS Number: 50-29-3
Substance: DDT

Pathway: SURFACE WATER PATHWAY

Scoring: 3

NPL Status: Currently on the Final NPL

Substance ID: U079 CAS Number: 156-60-5

Substance: TRANS-DICHLOROETHYLENE, 1,2-

Pathway: AIR PATHWAY

Scoring: 3

NPL Status: Currently on the Final NPL

Substance ID: U079 CAS Number: 156-60-5

Substance: TRANS-DICHLOROETHYLENE, 1,2-Pathway: GROUND WATER PATHWAY

Scoring: 3

NPL Status: Currently on the Final NPL

Substance ID: U079 CAS Number: 156-60-5

Substance: TRANS-DICHLOROETHYLENE, 1,2-Pathway: SOIL EXPOSURE PATHWAY

Scoring: 4

NPL Status: Currently on the Final NPL

Substance ID: U210 CAS Number: 127-18-4

Substance: TETRACHLOROETHENE

Pathway: AIR PATHWAY

Scoring: 3

NPL Status: Currently on the Final NPL

Substance ID: U210 CAS Number: 127-18-4

Substance: TETRACHLOROETHENE
Pathway: SOIL EXPOSURE PATHWAY

Scoring: 4

Summary Details:

Conditions at Proposal July 29, 1991): The Pearl Harbor Naval Complex occupies at least 6,300 acres in Pearl Harbor on the Island of Oahu, Honolulu County, Hawaii. Land around the complex supports agriculture, aquaculture, industry, urban,and commercial uses. The complex consists of these major facilities: Naval Shipyard, Naval Supply Center, Naval Station, Submarine

Map ID MAP FINDINGS
Direction

Distance EDR ID Number
Elevation Site EPA ID Number

PEARL HARBOR NAVAL COMPLEX (Continued)

1000707626

Base, Public Works Center, Inactive Ships, and Navy Maga ine Lualualei Westlock Branch and Waipio Peninsula). The Pearl Harbor Naval Complex began operation in 1901 when the Navy received an appropriation to acquire land for a naval station. After the attack by the Japanese on December 7, 1941, industrial activity at the complex skyrocketed, reaching 24,000 civilians by mid-1943. After World War II, activity declined and has fluctuated with the Navy s requirements. In 1983, the Navy identified 30 potential ha ardous waste sources within the six facilities. Subsequently, an additional source was identified. The 31 sources include unlined landfills, pesticide disposal pits, chromic acid disposal areas, PCB disposal areas, mercury-contaminated harbor sediments, leaking underground solvent tanks, waste oil facilities, and numerous other types of sources resulting from industrial activities at the complex. Six of the sources were initially evaluated, based primarily on toxicity of contaminants present, availability of waste quantity information, sampling results, affected populations, and a documented release of a ha ardous substance. Many investigations have found ha ardous substances -including mercury, chromium, PCBs, pesticides, trichloroethene, trans-1,2dichloroethene, and other volatile organic compounds -- in soil in the six areas, thus exposing workers on the site less than 100) to potential contamination. Many of these chemicals have also been found at the remaining 25 areas identified to date.) Tetrachloroethene was found15.2 feet below ground surface in one area. Soils beneath the site are permeable, facilitating movement of contaminants into ground water. Approximately 110,700 people obtain drinking water from wells within 2 miles of the six sources.In 1988, the Navy detected bis 2-ethylhexyl)phthalate in sediment samples taken from a National Wildlife Refuge that borders an abandoned Navy landfill. The refuge contains habitat for four Federally endangered species, as well as wetlands. Pearl Harbor and nearby portions of the Pacific Ocean contain recreational and commercial fisheries, habitat for endangered species, wetlands, and water-contact recreation areas. The volatile organic compounds in on-site soil also create apotential for gases to be released to the atmosphere. Status October 1992): EPA and the Navy are planning to negotiate a Federal Facilities Agreement under CERCLA Section 120 to cover future activities at the site. The descriptionof the site release) is based on information available at the time the site was scored. The description may change as additional information is gathered on the sources and extent of contamination. See FR 5600, February 11, 1991 or subsequentFR notices.)

Category as of 08/2019:

NPL Status: Currently on the Final NPL

Category Description: Surface Water Adjacent To Site-Other-Unknown

Category Value: WETLAND

Narratives as of 08/2019:

NPL Name: PEARL HARBOR NAVAL COMPLEX

Site as of 08/2019:

 EPA Region:
 09

 Site ID:
 0904481

 Site Status:
 F

 Federal Site:
 Y

Date Deleted:Not reportedDate Finalized:10/14/92Date Proposed:07/29/91

Map ID MAP FINDINGS

Direction Distance

Elevation Site Database(s) EPA ID Number

PEARL HARBOR NAVAL COMPLEX (Continued)

1000707626

EDR ID Number

Site Status as of 08/2019:

Proposed Date: 07/29/1991
Final Date: 10/14/1992
Deleted Date: Not reported
NPL Status: Final

Narr:

Site Name: Pearl Harbor Naval Complex

 Site EPA ID:
 HI4170090076

 Listing Date:
 10/14/1992

 Site Score:
 70.82

 Federal Facility Indicator:
 Yes

Site List URL:

Site Progress URL:

Federal Register URL:

Site Location URL:

SEMS:

Site ID: 0904481 EPA ID: HI4170090076

Name: PEARL HARBOR NAVAL COMPLEX Address: US NAVAL COMMAND

Address 2: Not reported

City, State, Zip: PEARL HARBOR, HI 96860

 Cong District:
 01

 FIPS Code:
 15003

 Latitude:
 21.388889

 Longitude:
 -157.983333

 FF:
 Y

NPL: Currently on the Final NPL

Non NPL Status: Not reported

SEMS Detail:

 Region:
 09

 Site ID:
 0904481

 EPA ID:
 HI4170090076

Site Name: PEARL HARBOR NAVAL COMPLEX

 NPL:
 F

 FF:
 Y

 OU:
 00

 Action Code:
 AR

Action Name: ADMIN REC

SEQ:

Start Date: 2000-10-24 04:00:00
Finish Date: Not reported
Qual: Not reported
Current Action Lead: EPA Perf

 Region:
 09

 Site ID:
 0904481

 EPA ID:
 HI4170090076

Map ID MAP FINDINGS

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

PEARL HARBOR NAVAL COMPLEX (Continued)

1000707626

Site Name: PEARL HARBOR NAVAL COMPLEX

NPL: F FF: Υ OU: 00 Action Code: LZ FF CR Action Name: SEQ:

Start Date: 2005-05-03 04:00:00 Finish Date: Not reported Qual: Not reported **Current Action Lead:** Fed Fac

Region: 09 Site ID: 0904481 EPA ID: HI4170090076

PEARL HARBOR NAVAL COMPLEX Site Name:

NPL: F FF: Υ OU: 00 Action Code: HR HAZRANK Action Name:

SEQ:

Start Date: 1991-07-25 04:00:00 Finish Date: 1991-07-25 04:00:00 Qual: Not reported **Current Action Lead:** Fed Fac

Region: 09 Site ID: 0904481 EPA ID: HI4170090076

Site Name: PEARL HARBOR NAVAL COMPLEX

NPL: FF: OU: 00 Action Code: NF Action Name: **NPL FINL** SEQ:

1992-10-14 04:00:00 Start Date: Finish Date: 1992-10-14 04:00:00 Qual: Not reported

Current Action Lead: Fed Fac

Region: 09 Site ID: 0904481 EPA ID: HI4170090076

Site Name: PEARL HARBOR NAVAL COMPLEX

NPL: F Υ FF: OU: 00 Action Code: NP

Action Name: **PROPOSED**

SEQ:

Start Date: 1991-07-29 04:00:00 Finish Date: 1991-07-29 04:00:00 Not reported Qual: Current Action Lead: **EPA Perf**

Map ID MAP FINDINGS

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

PEARL HARBOR NAVAL COMPLEX (Continued)

1000707626

Region: 09 Site ID: 0904481 EPA ID: HI4170090076

Site Name: PEARL HARBOR NAVAL COMPLEX

NPL: F FF: OU: 00 Action Code: PΑ Action Name: PΑ SEQ:

Start Date: 1986-04-01 05:00:00 Finish Date: 1986-04-01 05:00:00

Qual: **Current Action Lead:** Fed Fac

09 Region: Site ID: 0904481 EPA ID: HI4170090076

Site Name: PEARL HARBOR NAVAL COMPLEX

NPL: FF: Υ OU: 00 Action Code: DS **DISCVRY** Action Name:

SEQ:

1980-10-01 04:00:00 Start Date: Finish Date: 1980-10-01 04:00:00 Qual: Not reported **Current Action Lead: EPA Perf**

Region: 09 Site ID: 0904481 EPA ID: HI4170090076

PEARL HARBOR NAVAL COMPLEX Site Name:

NPL: FF: OU: 00 Action Code: SI Action Name: SI SEQ:

Start Date: 1989-08-21 04:00:00 Finish Date: 1989-08-21 04:00:00

Qual: Н **Current Action Lead:** Fed Fac

Region: 09 Site ID: 0904481 EPA ID: HI4170090076

PEARL HARBOR NAVAL COMPLEX Site Name:

NPL: FF: Υ OU: 01 Action Code: LY Action Name: FF RA SEQ:

Start Date: 2011-06-09 05:00:00 Finish Date: 2012-07-11 05:00:00 Map ID MAP FINDINGS

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

PEARL HARBOR NAVAL COMPLEX (Continued)

1000707626

Qual: Not reported Current Action Lead: Fed Fac

Region: 09 Site ID: 0904481 EPA ID: HI4170090076

Site Name: PEARL HARBOR NAVAL COMPLEX

NPL: FF: Υ OU: 01 Action Code: LV Action Name: FF RV SEQ:

Start Date: 2000-01-03 05:00:00 2010-09-14 04:00:00 Finish Date: Qual: Not reported Fed Fac **Current Action Lead:**

Region: 09 0904481 Site ID: EPA ID: HI4170090076

Site Name: PEARL HARBOR NAVAL COMPLEX

NPL: FF: Υ OU: 01 Action Code: LW Action Name: FF RI/FS SEQ:

Start Date: 1993-09-30 04:00:00 2010-09-14 04:00:00 Finish Date: Qual: Not reported **Current Action Lead:** Fed Fac

Region: 09 Site ID: 0904481 EPA ID: HI4170090076

Site Name: PEARL HARBOR NAVAL COMPLEX

NPL: F FF: Υ OU: 01 Action Code: RO Action Name: ROD SEQ: 12

2007-09-28 04:00:00 Start Date: Finish Date: 2007-09-28 04:00:00 Qual: Not reported

Current Action Lead: Fed Fac

Region: 09 Site ID: 0904481 EPA ID: HI4170090076

PEARL HARBOR NAVAL COMPLEX Site Name:

NPL: F FF: Υ OU: 01 Action Code: RO Action Name: ROD

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

PEARL HARBOR NAVAL COMPLEX (Continued)

SEQ:

13

Start Date: 2010-09-14 04:00:00 Finish Date: 2010-09-14 04:00:00 Qual: Not reported Current Action Lead: Fed Fac

09 Region: Site ID: 0904481 EPA ID: HI4170090076

Site Name: PEARL HARBOR NAVAL COMPLEX

NPL: FF: Υ OU: 02 Action Code: LW FF RI/FS Action Name: SEQ:

1993-09-30 04:00:00 Start Date: Finish Date: 2016-04-05 05:00:00 Qual: Not reported Current Action Lead: Fed Fac

09 Region: Site ID: 0904481 EPA ID: HI4170090076

PEARL HARBOR NAVAL COMPLEX Site Name:

NPL: FF: Υ OU: 03 Action Code: LY Action Name: FF RA SEQ:

Start Date: 2010-11-22 05:00:00 Finish Date: 2016-08-23 05:00:00 Qual: Not reported Fed Fac Current Action Lead:

Region: 09 Site ID: 0904481 HI4170090076 EPA ID:

Site Name: PEARL HARBOR NAVAL COMPLEX

NPL: F FF: OU: 03 Action Code: LX Action Name: FF RD SEQ:

2010-09-27 04:00:00 Start Date: 2010-10-25 04:00:00 Finish Date: Qual: Not reported Fed Fac **Current Action Lead:**

Region: 09 Site ID: 0904481 EPA ID: HI4170090076

Site Name: PEARL HARBOR NAVAL COMPLEX

NPL: Υ FF:

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

PEARL HARBOR NAVAL COMPLEX (Continued)

1000707626

OU: 03 Action Code: LW Action Name: FF RI/FS SEQ:

Start Date: 1993-09-30 04:00:00 Finish Date: 2010-09-27 04:00:00 Not reported Qual:

Current Action Lead: Fed Fac

Region: 09 Site ID: 0904481 EPA ID: HI4170090076

Site Name: PEARL HARBOR NAVAL COMPLEX

NPL: FF: OU: 03 Action Code: RO Action Name: ROD SEQ: 10

2010-09-27 04:00:00 Start Date: Finish Date: 2010-09-27 04:00:00 Not reported Qual: Current Action Lead: Fed Fac

09 Region: Site ID: 0904481 EPA ID: HI4170090076

Site Name: PEARL HARBOR NAVAL COMPLEX

NPL: FF: Υ OU: 05 Action Code: LY Action Name: FF RA SEQ:

Start Date: 2011-09-23 04:00:00 Finish Date: 2016-08-23 05:00:00 Qual: Not reported **Current Action Lead:** Fed Fac

09 Region: Site ID: 0904481 EPA ID: HI4170090076

Site Name: PEARL HARBOR NAVAL COMPLEX

NPL: F FF: Υ OU: 05 Action Code: LW FF RI/FS Action Name: SEQ:

1993-09-30 04:00:00 Start Date: Finish Date: 2011-09-23 04:00:00 Qual: Not reported Current Action Lead: Fed Fac

Region: 09 Site ID: 0904481 EPA ID: HI4170090076

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

PEARL HARBOR NAVAL COMPLEX (Continued)

1000707626

Site Name: PEARL HARBOR NAVAL COMPLEX

NPL: F FF: Υ OU: 05 Action Code: RO Action Name: ROD SEQ: 15

Start Date: 2011-09-23 04:00:00 Finish Date: 2011-09-23 04:00:00 Qual: Not reported **Current Action Lead:** Fed Fac

09 Region: Site ID: 0904481 EPA ID: HI4170090076

PEARL HARBOR NAVAL COMPLEX Site Name:

NPL: F FF: Υ OU: 06 Action Code: LY Action Name: FF RA SEQ:

Start Date: 2011-08-10 04:00:00 Finish Date: 2012-08-27 05:00:00 Qual: Not reported **Current Action Lead:** Fed Fac

Region: 09 Site ID: 0904481 EPA ID: HI4170090076

Site Name: PEARL HARBOR NAVAL COMPLEX

NPL: FF: OU: 06 Action Code: LV Action Name: FF RV SEQ:

Start Date: 1995-07-17 04:00:00 Finish Date: 1996-08-23 04:00:00

Qual: Current Action Lead: Fed Fac

Region: 09 Site ID: 0904481 EPA ID: HI4170090076

Site Name: PEARL HARBOR NAVAL COMPLEX

NPL: Υ FF: OU: 06 Action Code: LW Action Name: FF RI/FS SEQ:

Start Date: 1993-09-30 04:00:00 Finish Date: 2010-07-02 05:00:00 Qual: Not reported

Current Action Lead: Fed Fac

Direction Distance

Elevation Site Database(s) EPA ID Number

PEARL HARBOR NAVAL COMPLEX (Continued)

1000707626

EDR ID Number

 Region:
 09

 Site ID:
 0904481

 EPA ID:
 HI4170090076

Site Name: PEARL HARBOR NAVAL COMPLEX

 NPL:
 F

 FF:
 Y

 OU:
 06

 Action Code:
 RO

 Action Name:
 ROD

 SEQ:
 4

 Start Date:
 2010-07-02 05:00:00

 Finish Date:
 2010-07-02 05:00:00

 Qual:
 Not reported

Current Action Lead: Rot Teport

 Region:
 09

 Site ID:
 0904481

 EPA ID:
 HI4170090076

Site Name: PEARL HARBOR NAVAL COMPLEX

 NPL:
 F

 FF:
 Y

 OU:
 07

 Action Code:
 LW

 Action Name:
 FF RI/FS

 SEQ:
 9

Start Date: 1993-09-30 04:00:00

Finish Date: Not reported Qual: Not reported Current Action Lead: Fed Fac

 Region:
 09

 Site ID:
 0904481

 EPA ID:
 HI4170090076

Site Name: PEARL HARBOR NAVAL COMPLEX

 NPL:
 F

 FF:
 Y

 OU:
 08

 Action Code:
 LW

 Action Name:
 FF RI/FS

 SEQ:
 10

 Start Date:
 1993-09-30 04:00:00

 Finish Date:
 2006-09-28 04:00:00

 Qual:
 Not reported

Current Action Lead: Fed Fac

 Region:
 09

 Site ID:
 0904481

 EPA ID:
 HI4170090076

Site Name: PEARL HARBOR NAVAL COMPLEX

 NPL:
 F

 FF:
 Y

 OU:
 08

 Action Code:
 RO

 Action Name:
 ROD

 SEQ:
 2

 Start Date:
 2006-09-28 04:00:00

 Finish Date:
 2006-09-28 04:00:00

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

PEARL HARBOR NAVAL COMPLEX (Continued)

1000707626

Qual: Not reported Current Action Lead: Fed Fac

Region: 09 Site ID: 0904481 EPA ID: HI4170090076

Site Name: PEARL HARBOR NAVAL COMPLEX

NPL: FF: Υ OU: 09 Action Code: LW Action Name: FF RI/FS SEQ:

1993-09-30 04:00:00 Start Date: Not reported Finish Date: Not reported Qual: Fed Fac **Current Action Lead:**

Region: 09 0904481 Site ID: EPA ID: HI4170090076

Site Name: PEARL HARBOR NAVAL COMPLEX

NPL: FF: Υ OU: 09 Action Code: LW Action Name: FF RI/FS SEQ:

Start Date: 2009-05-29 04:00:00 Not reported Finish Date: Not reported Qual: **Current Action Lead:** Fed Fac

Region: 09 Site ID: 0904481 EPA ID: HI4170090076

Site Name: PEARL HARBOR NAVAL COMPLEX

NPL: F FF: Υ OU: 10 Action Code: LW Action Name: FF RI/FS

SEQ:

Start Date: 1994-08-23 04:00:00 Finish Date: 2006-09-28 04:00:00 Qual: Not reported **Current Action Lead:** Fed Fac

Region: 09 Site ID: 0904481 EPA ID: HI4170090076

PEARL HARBOR NAVAL COMPLEX Site Name:

NPL: F FF: Υ OU: 10 Action Code: RO Action Name: ROD

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

PEARL HARBOR NAVAL COMPLEX (Continued)

SEQ:

Start Date: 2006-09-28 04:00:00 Finish Date: 2006-09-28 04:00:00 Qual: Not reported Fed Fac Current Action Lead:

09 Region: Site ID: 0904481 EPA ID: HI4170090076

Site Name: PEARL HARBOR NAVAL COMPLEX

NPL: FF: Υ OU: 11 Action Code: LV FF RV Action Name: SEQ:

Start Date: 1995-03-13 05:00:00 Finish Date: 1996-10-30 05:00:00

Qual: Current Action Lead: Fed Fac

09 Region: Site ID: 0904481 EPA ID: HI4170090076

PEARL HARBOR NAVAL COMPLEX Site Name:

NPL: FF: Υ OU: 11 Action Code: LV Action Name: FF RV SEQ:

1993-04-01 05:00:00 Start Date: Finish Date: 1994-04-01 05:00:00

Qual: Current Action Lead: Fed Fac

Region: 09 Site ID: 0904481 HI4170090076 EPA ID:

Site Name: PEARL HARBOR NAVAL COMPLEX

NPL: FF: OU: 11 Action Code: LW Action Name: FF RI/FS

SEQ: 1995-08-01 04:00:00 Start Date:

Finish Date: Not reported Not reported Qual: Fed Fac **Current Action Lead:**

Region: 09 0904481 Site ID: EPA ID: HI4170090076

Site Name: PEARL HARBOR NAVAL COMPLEX

NPL: Υ FF:

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

PEARL HARBOR NAVAL COMPLEX (Continued)

1000707626

OU: 12 Action Code: LY Action Name: FF RA SEQ:

Start Date: 2009-09-29 04:00:00 Finish Date: 2011-01-20 05:00:00 Not reported Qual: Current Action Lead: Fed Fac

Region: 09 Site ID: 0904481 EPA ID: HI4170090076

Site Name: PEARL HARBOR NAVAL COMPLEX

NPL: FF: OU: 12 Action Code: LY Action Name: FF RA SEQ:

2009-09-29 04:00:00 Start Date: Finish Date: 2016-08-23 05:00:00 Not reported Qual: Current Action Lead: Fed Fac

09 Region: 0904481 Site ID: EPA ID: HI4170090076

Site Name: PEARL HARBOR NAVAL COMPLEX

NPL: FF: Υ OU: 12 Action Code: LV Action Name: FF RV SEQ:

Start Date: 1995-02-23 05:00:00 Finish Date: 1997-04-01 05:00:00

Qual: **Current Action Lead:** Fed Fac

09 Region: Site ID: 0904481 EPA ID: HI4170090076

Site Name: PEARL HARBOR NAVAL COMPLEX

NPL: FF: Υ OU: 12 Action Code: LV FF RV Action Name: SEQ:

2005-12-14 05:00:00 Start Date: Finish Date: 2006-07-19 04:00:00 Qual: Not reported Current Action Lead: Fed Fac

Region: 09 Site ID: 0904481 EPA ID: HI4170090076

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

PEARL HARBOR NAVAL COMPLEX (Continued)

1000707626

Site Name: PEARL HARBOR NAVAL COMPLEX

NPL: F FF: Υ OU: 12 Action Code: LV FF RV Action Name: SEQ:

Start Date: 2006-06-02 04:00:00 Finish Date: 2006-08-22 04:00:00 Qual: Not reported **Current Action Lead:** Fed Fac

09 Region: Site ID: 0904481 EPA ID: HI4170090076

PEARL HARBOR NAVAL COMPLEX Site Name:

NPL: F FF: Υ OU: 12 Action Code: LW FF RI/FS Action Name:

SEQ: 12

Start Date: 1999-06-10 04:00:00 Finish Date: 2009-09-29 04:00:00 Qual: Not reported **Current Action Lead:** Fed Fac

Region: 09 Site ID: 0904481 EPA ID: HI4170090076

Site Name: PEARL HARBOR NAVAL COMPLEX

NPL: FF: OU: 12 Action Code: RO Action Name: ROD SEQ:

2009-09-29 04:00:00 Start Date: Finish Date: 2009-09-29 04:00:00 Qual: Not reported

Current Action Lead: Fed Fac

Region: 09 Site ID: 0904481 EPA ID: HI4170090076

Site Name: PEARL HARBOR NAVAL COMPLEX

NPL: Υ FF: OU: 12 Action Code: RO Action Name: ROD SEQ:

2009-09-29 04:00:00 Start Date: Finish Date: 2009-09-29 04:00:00 Qual: Not reported

Current Action Lead: Fed Fac

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

PEARL HARBOR NAVAL COMPLEX (Continued)

1000707626

Region: 09 Site ID: 0904481 EPA ID: HI4170090076

Site Name: PEARL HARBOR NAVAL COMPLEX

NPL: F FF: Υ OU: 13 Action Code: LW Action Name: FF RI/FS SEQ: 13

Start Date: 1995-09-19 04:00:00 Finish Date: 2018-09-26 05:00:00 Qual: Not reported

Current Action Lead: Fed Fac

09 Region: Site ID: 0904481 EPA ID: HI4170090076

Site Name: PEARL HARBOR NAVAL COMPLEX

NPL: FF: Υ OU: 13 Action Code: RO Action Name: ROD SEQ:

Start Date: 2018-09-26 05:00:00 Finish Date: 2018-09-26 05:00:00 Qual: Not reported

Current Action Lead: Fed Fac

Region: 09 Site ID: 0904481 EPA ID: HI4170090076

PEARL HARBOR NAVAL COMPLEX Site Name:

NPL: FF: Υ OU: 14 Action Code: LW FF RI/FS Action Name: SEQ:

Start Date: 1999-05-15 04:00:00 Finish Date: 2010-09-27 04:00:00 Qual: Not reported

Current Action Lead: Fed Fac

Region: 09 Site ID: 0904481 EPA ID: HI4170090076

PEARL HARBOR NAVAL COMPLEX Site Name:

NPL: F FF: Υ OU: 14 Action Code: RO Action Name: ROD SEQ: 18

Start Date: 2010-09-27 04:00:00 Finish Date: 2010-09-27 04:00:00

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

PEARL HARBOR NAVAL COMPLEX (Continued)

1000707626

Qual: Not reported Current Action Lead: Fed Fac

Region: 09 Site ID: 0904481 EPA ID: HI4170090076

Site Name: PEARL HARBOR NAVAL COMPLEX

NPL: FF: Υ OU: 15 Action Code: LW Action Name: FF RI/FS SEQ: 15

1993-09-30 04:00:00 Start Date: Not reported Finish Date: Not reported Qual: Fed Fac **Current Action Lead:**

Region: 09 0904481 Site ID: EPA ID: HI4170090076

Site Name: PEARL HARBOR NAVAL COMPLEX

NPL: FF: Υ OU: 16 Action Code: LV Action Name: FF RV SEQ:

Start Date: 2007-08-24 04:00:00 2007-09-27 04:00:00 Finish Date: Qual: Not reported **Current Action Lead:** Fed Fac

Region: 09 Site ID: 0904481 EPA ID: HI4170090076

Site Name: PEARL HARBOR NAVAL COMPLEX

NPL: F FF: Υ OU: 16 Action Code: LW Action Name: FF RI/FS SEQ: 17

Start Date: 1993-09-30 04:00:00 Finish Date: 2010-09-27 04:00:00 Qual: Not reported

Current Action Lead: Fed Fac

Region: 09 Site ID: 0904481 EPA ID: HI4170090076

PEARL HARBOR NAVAL COMPLEX Site Name:

NPL: F FF: Υ OU: 16 Action Code: RO Action Name: ROD

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

PEARL HARBOR NAVAL COMPLEX (Continued)

SEQ: 14

Start Date: 2010-09-27 04:00:00 Finish Date: 2010-09-27 04:00:00 Qual: Not reported Current Action Lead: Fed Fac

09 Region: Site ID: 0904481 EPA ID: HI4170090076

Site Name: PEARL HARBOR NAVAL COMPLEX

NPL: FF: Υ OU: 17 Action Code: LY Action Name: FF RA SEQ:

Start Date: 2014-12-13 05:00:00 Finish Date: 2015-03-23 04:00:00 Qual: Not reported Current Action Lead: Fed Fac

09 Region: Site ID: 0904481 EPA ID: HI4170090076

PEARL HARBOR NAVAL COMPLEX Site Name:

NPL: FF: Υ OU: 17 Action Code: LX Action Name: FF RD SEQ:

Start Date: 2012-07-12 05:00:00 Finish Date: 2014-12-13 05:00:00 Qual: Not reported Fed Fac Current Action Lead:

Region: 09 Site ID: 0904481

HI4170090076 Site Name: PEARL HARBOR NAVAL COMPLEX

NPL: FF: OU: 17 Action Code: LW Action Name: FF RI/FS

SEQ:

EPA ID:

1993-09-30 04:00:00 Start Date: 2012-07-12 05:00:00 Finish Date: Qual: Not reported Fed Fac **Current Action Lead:**

Region: 09 Site ID: 0904481 EPA ID: HI4170090076

Site Name: PEARL HARBOR NAVAL COMPLEX

NPL: Υ FF:

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

PEARL HARBOR NAVAL COMPLEX (Continued)

1000707626

OU: 17 Action Code: RO Action Name: ROD SEQ: 21

Start Date: 2012-07-12 05:00:00 2012-07-12 05:00:00 Finish Date: Not reported Qual:

Current Action Lead: Fed Fac

Region: 09 Site ID: 0904481 EPA ID: HI4170090076

Site Name: PEARL HARBOR NAVAL COMPLEX

NPL: FF: OU: 20 Action Code: LW Action Name: FF RI/FS SEQ: 18

2006-06-26 04:00:00 Start Date: Not reported Finish Date: Not reported Qual: Current Action Lead: Fed Fac

09 Region: Site ID: 0904481 EPA ID: HI4170090076

Site Name: PEARL HARBOR NAVAL COMPLEX

NPL: FF: Υ OU: 21 Action Code: LW Action Name: FF RI/FS SEQ:

Start Date: 2008-04-28 04:00:00 Finish Date: Not reported Qual: Not reported **Current Action Lead:** Fed Fac

09 Region: Site ID: 0904481 EPA ID: HI4170090076

Site Name: PEARL HARBOR NAVAL COMPLEX

NPL: F FF: Υ OU: 22 Action Code: LW FF RI/FS Action Name: SEQ: 21

2009-03-13 04:00:00 Start Date: Finish Date: 2013-09-23 05:00:00 Qual: Not reported Current Action Lead: Fed Fac

Region: 09 Site ID: 0904481 EPA ID: HI4170090076

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

PEARL HARBOR NAVAL COMPLEX (Continued)

1000707626

Site Name: PEARL HARBOR NAVAL COMPLEX

NPL: F FF: Υ OU: 22 Action Code: RO Action Name: ROD SEQ: 26

Start Date: 2013-09-23 05:00:00 Finish Date: 2013-09-23 05:00:00 Qual: Not reported **Current Action Lead:** Fed Fac

09 Region: Site ID: 0904481 EPA ID: HI4170090076

PEARL HARBOR NAVAL COMPLEX Site Name:

NPL: F FF: Υ OU: 24 Action Code: LY Action Name: FF RA SEQ:

Start Date: 2014-09-14 05:00:00 Finish Date: 2015-10-09 05:00:00

Not reported Qual: **Current Action Lead:** Fed Fac

Region: 09 Site ID: 0904481 EPA ID: HI4170090076

Site Name: PEARL HARBOR NAVAL COMPLEX

NPL: FF: OU: 24 Action Code: LX Action Name: FF RD SEQ:

2014-09-15 05:00:00 Start Date: Finish Date: 2015-06-30 04:00:00 Qual: Not reported

Current Action Lead: Fed Fac

Region: 09 Site ID: 0904481 EPA ID: HI4170090076

Site Name: PEARL HARBOR NAVAL COMPLEX

NPL: Υ FF: OU: 24 Action Code: LW Action Name: FF RI/FS SEQ:

Start Date: 2009-03-03 05:00:00 Finish Date: 2014-09-15 05:00:00 Qual: Not reported

Current Action Lead: Fed Fac

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

PEARL HARBOR NAVAL COMPLEX (Continued)

1000707626

Region: 09 Site ID: 0904481 EPA ID: HI4170090076

Site Name: PEARL HARBOR NAVAL COMPLEX

NPL: F FF: Υ OU: 24 Action Code: RO Action Name: ROD SEQ: 24

2014-09-15 05:00:00 Start Date: Finish Date: 2014-09-15 05:00:00 Qual: Not reported

Current Action Lead: Fed Fac

09 Region: Site ID: 0904481 EPA ID: HI4170090076

PEARL HARBOR NAVAL COMPLEX Site Name:

NPL: FF: Υ OU: 25 Action Code: EE Action Name: EE/CA

SEQ: 2009-09-28 04:00:00 Start Date: Finish Date: Not reported

Qual: Not reported **Current Action Lead: EPA Ovrsght**

Region: 09 Site ID: 0904481 EPA ID: HI4170090076

PEARL HARBOR NAVAL COMPLEX Site Name:

NPL: FF: Υ OU: 26 Action Code: EE Action Name: EE/CA SEQ:

Start Date: 2010-03-18 04:00:00 Finish Date: 2010-03-18 04:00:00

Qual: Not reported **Current Action Lead:** Fed Fac

Region: 09 Site ID: 0904481 EPA ID: HI4170090076

PEARL HARBOR NAVAL COMPLEX Site Name:

NPL: F FF: Υ OU: 26 Action Code: LV FF RV Action Name: SEQ: 10

Start Date: 2010-05-07 05:00:00 Finish Date: 2011-05-27 05:00:00

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

PEARL HARBOR NAVAL COMPLEX (Continued)

1000707626

Qual: Not reported Current Action Lead: Fed Fac

Region: 09 Site ID: 0904481 EPA ID: HI4170090076

Site Name: PEARL HARBOR NAVAL COMPLEX

NPL: FF: Υ OU: 27 Action Code: LW Action Name: FF RI/FS SEQ: 24

Start Date: 2011-07-21 05:00:00 2016-08-22 05:00:00 Finish Date: Not reported Qual: Fed Fac **Current Action Lead:**

Region: 09 0904481 Site ID: EPA ID: HI4170090076

Site Name: PEARL HARBOR NAVAL COMPLEX

NPL: FF: Υ OU: 27 Action Code: RO Action Name: ROD SEQ:

Start Date: 2016-08-22 05:00:00 2016-08-22 05:00:00 Finish Date: Qual: Not reported **Current Action Lead:** Fed Fac

Region: 09 Site ID: 0904481 EPA ID: HI4170090076

Site Name: PEARL HARBOR NAVAL COMPLEX

NPL: F FF: Υ OU: 28 Action Code: LW Action Name: FF RI/FS SEQ:

2011-03-29 04:00:00 Start Date: Finish Date: Not reported Qual: Not reported **Current Action Lead:** Fed Fac

Region: 09 Site ID: 0904481 EPA ID: HI4170090076

Site Name: PEARL HARBOR NAVAL COMPLEX

NPL: FF: Υ OU: 29 Action Code: LW Action Name: FF RI/FS

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

PEARL HARBOR NAVAL COMPLEX (Continued)

SEQ:

25

2011-08-17 04:00:00 Start Date: Finish Date: 2016-09-14 05:00:00 Qual: Not reported **Current Action Lead:** Fed Fac

09 Region: Site ID: 0904481 EPA ID: HI4170090076

Site Name: PEARL HARBOR NAVAL COMPLEX

NPL: FF: Υ OU: 29 Action Code: RO ROD Action Name: SEQ: 29

2016-09-14 05:00:00 Start Date: Finish Date: 2016-09-14 05:00:00 Qual: Not reported Current Action Lead: Fed Fac

09 Region: Site ID: 0904481 EPA ID: HI4170090076

PEARL HARBOR NAVAL COMPLEX Site Name:

NPL: F FF: Υ OU: 30 Action Code: RO Action Name: ROD SEQ: 25

Current Action Lead:

Start Date: 2013-03-29 04:00:00 Finish Date: 2013-03-29 04:00:00 Qual: Not reported Fed Fac

Region: 09

Site ID: 0904481 HI4170090076 EPA ID:

PEARL HARBOR NAVAL COMPLEX Site Name:

NPL: FF: OU: 31 Action Code: BD Action Name: PRP RI/FS

SEQ:

2016-05-29 05:00:00 Start Date: Finish Date: Not reported Not reported Qual: **Current Action Lead:** Fed Fac

Region: 09 Site ID: 0904481 EPA ID: HI4170090076

Site Name: PEARL HARBOR NAVAL COMPLEX

NPL: Υ FF:

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

PEARL HARBOR NAVAL COMPLEX (Continued)

1000707626

OU: 35 Action Code: NI Action Name: FF FS SEQ:

Start Date: 2017-03-10 05:00:00 Finish Date: 2017-03-10 05:00:00 Not reported Qual: Current Action Lead: Fed Fac

Region: 09 Site ID: 0904481 EPA ID: HI4170090076

Site Name: PEARL HARBOR NAVAL COMPLEX

NPL: FF: OU: 35 Action Code: RO Action Name: ROD SEQ: 31

2017-03-10 05:00:00 Start Date: Finish Date: 2017-03-10 05:00:00 Not reported Qual: Current Action Lead: Fed Fac

09 Region: 0904481 Site ID: EPA ID: HI4170090076

Site Name: PEARL HARBOR NAVAL COMPLEX

NPL: FF: Υ OU: 40 Action Code: LW Action Name: FF RI/FS SEQ: 26

Start Date: 2024-06-21 05:00:00 Finish Date: Not reported Qual: Not reported **Current Action Lead:** Fed Fac

SIte:

Name: PEARL HARBOR NAVAL COMPLEX Address: US NAVAL COMMAND

Address 2: Not reported

PEARL HARBOR, HI 96860 City,State,Zip:

Event Code: Not reported Action Taken Date: 09/26/2018 EPA ID: HI4170090076 Action Name: Record of Decision

Action ID: 6 Operable Unit: 13 Contaminated Media: Sediment Contact Name: Not reported Contact Telephone: Not reported Not reported Event:

Federal Facility: 2018 Fiscal Year:

Distance

Elevation Site Database(s) EPA ID Number

PEARL HARBOR NAVAL COMPLEX (Continued)

NPL Status: Currently on the Final NPL

Superfund Alternative Agreement: N
Latitude: 21.388889
Longitude: -157.983333

Media:

EPA ID: HI4170090076

Contaminated Media: Soil Action ID: 31
Operable Unit: 35

Action Name:

Action Taken Date:

O3/10/2017

Event Code:

Contact Name:

Contact Telephone:

Event:

Record of Decision

03/10/2017

Not reported

Not reported

Not reported

Not reported

Not reported

Federal Facility: Y
Fiscal Year: 2017

NPL Status: Currently on the Final NPL

Superfund Alternative Agreement: N

Latitude: 21.388889 Longitude: -157.983333

EPA ID: HI4170090076

Contaminated Media: Soil
Action ID: 3
Operable Unit: 10

Action Name:

Action Taken Date:

Event Code:

Contact Name:

Contact Telephone:

Event:

Not reported

Not reported

Not reported

Not reported

Not reported

Y

Fiscal Year: 2006

NPL Status: Currently on the Final NPL

Superfund Alternative Agreement: N

Latitude: 21.388889 Longitude: -157.983333

EPA ID: HI4170090076

Contaminated Media: Soil
Action ID: 4
Operable Unit: 06

Action Name:

Action Taken Date:

Event Code:

Contact Name:

Contact Telephone:

Event:

Record of Decision

07/02/2010

Not reported

Not reported

Not reported

Not reported

Not reported

Federal Facility: Y
Fiscal Year: 2010

NPL Status: Currently on the Final NPL

Superfund Alternative Agreement: N

Latitude: 21.388889 Longitude: -157.983333

EPA ID: HI4170090076

EDR ID Number

Distance Elevation

on Site Database(s) EPA ID Number

PEARL HARBOR NAVAL COMPLEX (Continued)

Contaminated Media: Groundwater

Action ID: 5
Operable Unit: 12

Action Name:

Action Name:

Action Taken Date:

Event Code:

Contact Name:

Contact Telephone:

Event:

Action Record of Decision

09/29/2009

Not reported

Not reported

Not reported

Not reported

Federal Facility: Y
Fiscal Year: 2009

NPL Status: Currently on the Final NPL

Superfund Alternative Agreement: N

Latitude: 21.388889 Longitude: -157.983333

EPA ID: HI4170090076

Contaminated Media: Soil Action ID: 29
Operable Unit: 29

Action Name:
Record of Decision
Action Taken Date:
09/14/2016
Event Code:
Not reported
Contact Name:
Not reported
Contact Telephone:
Not reported
Event:
Not reported

Federal Facility: Y
Fiscal Year: 2016

NPL Status: Currently on the Final NPL

Superfund Alternative Agreement: N

Latitude: 21.388889 Longitude: -157.983333

EPA ID: HI4170090076 Contaminated Media: Solid Waste

Action ID: 31
Operable Unit: 35

Action Name: Record of Decision
Action Taken Date: 03/10/2017
Event Code: Not reported
Contact Name: Not reported
Contact Telephone: Not reported
Event: Not reported

Federal Facility: Y

Fiscal Year: 2017

NPL Status: Currently on the Final NPL

Superfund Alternative Agreement:

Latitude: 21.388889 Longitude: -157.983333

EPA ID: HI4170090076 Contaminated Media: Groundwater

Action ID: 31
Operable Unit: 35

Action Name: Record of Decision
Action Taken Date: 03/10/2017
Event Code: Not reported

EDR ID Number

Direction Distance Elevation

vation Site Database(s) EPA ID Number

PEARL HARBOR NAVAL COMPLEX (Continued)

1000707626

EDR ID Number

Contact Name: Not reported Contact Telephone: Not reported Event: Not reported

Federal Facility: Y
Fiscal Year: 2017

NPL Status: Currently on the Final NPL

Superfund Alternative Agreement: N

Latitude: 21.388889 Longitude: -157.983333

EPA ID: HI4170090076 Contaminated Media: Groundwater

Action ID: 25 Operable Unit: 30

Action Name:

Action Taken Date:

O3/29/2013

Event Code:

Contact Name:

Contact Telephone:

Event:

Not reported

Not reported

Not reported

Not reported

Y

Fiscal Year: 2013

NPL Status: Currently on the Final NPL

Superfund Alternative Agreement:

 Latitude:
 21.388889

 Longitude:
 -157.983333

EPA ID: HI4170090076

Contaminated Media: Soil
Action ID: 26
Operable Unit: 22

Action Name: Record of Decision
Action Taken Date: 09/23/2013
Event Code: Not reported
Contact Name: Not reported
Contact Telephone: Not reported
Event: Not reported

Federal Facility: Y
Fiscal Year: 2013

NPL Status: Currently on the Final NPL

Superfund Alternative Agreement: N

Latitude: 21.388889 Longitude: -157.983333

EPA ID: HI4170090076

Contaminated Media: Soil
Action ID: 1
Operable Unit: 03

Action Name: Explanation of Significant Differences

Action Taken Date: 02/11/2016
Event Code: Not reported
Contact Name: Not reported
Contact Telephone: Not reported
Event: Not reported

Federal Facility: Y
Fiscal Year: 2016

NPL Status: Currently on the Final NPL

Direction Distance Elevation

stance EDR ID Number evation Site Database(s) EPA ID Number

PEARL HARBOR NAVAL COMPLEX (Continued)

Superfund Alternative Agreement: N

Latitude: 21.388889 Longitude: -157.983333

EPA ID: HI4170090076 Contaminated Media: Groundwater

Action ID: 2
Operable Unit: 08
Action Name: Re

Action Name:

Action Taken Date:

O9/28/2006

Event Code:

Contact Name:

Contact Telephone:

Event:

Not reported

Not reported

Not reported

Not reported

Not reported

Federal Facility: Y
Fiscal Year: 2006

NPL Status: Currently on the Final NPL

Superfund Alternative Agreement: N

Latitude: 21.388889 Longitude: -157.983333

EPA ID: HI4170090076
Contaminated Media: Groundwater
Action ID: 3

Operable Unit: 10

Action Name:
Record of Decision
Action Taken Date:
09/28/2006
Event Code:
Not reported
Contact Name:
Not reported
Contact Telephone:
Not reported
Event:
Not reported

Federal Facility: Y
Fiscal Year: 2006

NPL Status: Currently on the Final NPL

Superfund Alternative Agreement: N

Latitude: 21.388889 Longitude: -157.983333

EPA ID: HI4170090076

Contaminated Media: Soil
Action ID: 4
Operable Unit: 06

Action Name: Record of Decision
Action Taken Date: 07/02/2010
Event Code: Not reported
Contact Name: Not reported
Contact Telephone: Not reported
Event: Not reported
Federal Facility: Y

Fiscal Year: 2010

NPL Status: Currently on the Final NPL

Superfund Alternative Agreement: N

Latitude: 21.388889 Longitude: -157.983333

EPA ID: HI4170090076

Contaminated Media: Soil

Direction Distance Elevation

Site Database(s) **EPA ID Number**

PEARL HARBOR NAVAL COMPLEX (Continued)

Action ID: Operable Unit: 12

Action Name: Record of Decision Action Taken Date: 09/29/2009 **Event Code:** Not reported Not reported Contact Name: Contact Telephone: Not reported Not reported Event:

Federal Facility: Fiscal Year: 2009

NPL Status: Currently on the Final NPL

Superfund Alternative Agreement:

Latitude: 21.388889 -157.983333 Longitude:

HI4170090076 EPA ID: Contaminated Media: Sediment Action ID: 6 Operable Unit: 13

Record of Decision Action Name: Action Taken Date: 09/26/2018 **Event Code:** Not reported Contact Name: Not reported Contact Telephone: Not reported Event: Not reported

Federal Facility: Fiscal Year: 2018

NPL Status: Currently on the Final NPL

13

Superfund Alternative Agreement:

Latitude: 21.388889 Longitude: -157.983333

EPA ID: HI4170090076 Contaminated Media: Sediment Action ID: 6

Operable Unit: Action Name: Record of Decision Action Taken Date: 09/26/2018 Not reported Event Code: Contact Name: Not reported Contact Telephone: Not reported Event: Not reported

Federal Facility: Fiscal Year: 2018

NPL Status: Currently on the Final NPL

Superfund Alternative Agreement:

Latitude: 21.388889 -157.983333 Longitude:

EPA ID: HI4170090076 Contaminated Media: Sediment Action ID: Operable Unit: 13

Action Name: Record of Decision Action Taken Date: 09/26/2018 **Event Code:** Not reported Contact Name: Not reported

1000707626

EDR ID Number

MAP FINDINGS Map ID Direction

Distance

Elevation Site Database(s) **EPA ID Number**

PEARL HARBOR NAVAL COMPLEX (Continued)

Contact Telephone: Not reported Not reported Event:

Federal Facility: Υ Fiscal Year: 2018

NPL Status: Currently on the Final NPL

Superfund Alternative Agreement:

21.388889 Latitude: -157.983333 Longitude:

EPA ID: HI4170090076 Contaminated Media: Sediment

Action ID: 6 Operable Unit: 13

Action Name: Record of Decision 09/26/2018 Action Taken Date: Event Code: Not reported Contact Name: Not reported Not reported Contact Telephone: Event: Not reported Federal Facility:

Fiscal Year: 2018

NPL Status: Currently on the Final NPL

Superfund Alternative Agreement:

Latitude: 21.388889 -157.983333 Longitude:

EPA ID: HI4170090076 Contaminated Media: Sediment Action ID:

Operable Unit: 13 Action Name:

Record of Decision Action Taken Date: 09/26/2018 **Event Code:** Not reported Contact Name: Not reported Contact Telephone: Not reported Not reported Event:

Federal Facility: Fiscal Year: 2018

Currently on the Final NPL NPL Status:

Superfund Alternative Agreement:

Latitude: 21.388889 Longitude: -157.983333

EPA ID: HI4170090076 Contaminated Media: Sediment Action ID: Operable Unit: 13

Record of Decision Action Name: 09/26/2018 Action Taken Date: **Event Code:** Not reported Not reported Contact Name: Contact Telephone: Not reported

Federal Facility: Fiscal Year:

NPL Status: Currently on the Final NPL

Not reported

Superfund Alternative Agreement:

Event:

1000707626

EDR ID Number

Direction Distance

Elevation Site Database(s) EPA ID Number

PEARL HARBOR NAVAL COMPLEX (Continued)

1000707626

EDR ID Number

Latitude: 21.388889 Longitude: -157.983333

EPA ID: HI4170090076
Contaminated Media: Sediment
Action ID: 6
Operable Unit: 13

Action Name:

Action Taken Date:

Event Code:

Contact Name:

Contact Telephone:

Event:

Record of Decision

09/26/2018

Not reported

Not reported

Not reported

Not reported

Not reported

Federal Facility: Y
Fiscal Year: 2018

NPL Status: Currently on the Final NPL

Superfund Alternative Agreement: N

Latitude: 21.388889 Longitude: -157.983333

EPA ID: HI4170090076

Contaminated Media: Soil
Action ID: 10
Operable Unit: 03

Action Name:

Action Taken Date:

Event Code:

Contact Name:

Contact Telephone:

Event:

Record of Decision

09/27/2010

Not reported

Not reported

Not reported

Not reported

Not reported

Federal Facility: Y
Fiscal Year: 2010

NPL Status: Currently on the Final NPL

Superfund Alternative Agreement: N

Latitude: 21.388889 Longitude: -157.983333

EPA ID: HI4170090076

Contaminated Media: Soil Action ID: 10
Operable Unit: 03

Action Name:

Action Taken Date:

Event Code:

Contact Name:

Contact Telephone:

Event:

Not reported

Not reported

Not reported

Not reported

Not reported

Y

Fiscal Year: 2010

NPL Status: Currently on the Final NPL

Superfund Alternative Agreement: N

Latitude: 21.388889 Longitude: -157.983333

EPA ID: HI4170090076

Contaminated Media: Debris
Action ID: 12

Distance Elevation

on Site Database(s) EPA ID Number

PEARL HARBOR NAVAL COMPLEX (Continued)

Operable Unit: 01

Action Name: Record of Decision
Action Taken Date: 09/28/2007
Event Code: Not reported
Contact Name: Not reported
Contact Telephone: Not reported
Event: Not reported

Federal Facility: Y
Fiscal Year: 2007

NPL Status: Currently on the Final NPL

Superfund Alternative Agreement: N

Latitude: 21.388889 Longitude: -157.983333

EPA ID: HI4170090076

Contaminated Media: Soil
Action ID: 12
Operable Unit: 01

Action Name: Record of Decision
Action Taken Date: 09/28/2007
Event Code: Not reported
Contact Name: Not reported
Contact Telephone: Not reported
Event: Not reported

Federal Facility: Y
Fiscal Year: 2007

NPL Status: Currently on the Final NPL

Superfund Alternative Agreement: N

Latitude: 21.388889 Longitude: -157.983333

EPA ID: HI4170090076 Contaminated Media: Groundwater

Action ID: 14
Operable Unit: 16

Action Name:

Action Taken Date:

Event Code:

Contact Name:

Contact Telephone:

Event:

Record of Decision

09/27/2010

Not reported

Not reported

Not reported

Not reported

Federal Facility: Y
Fiscal Year: 2010

NPL Status: Currently on the Final NPL

Superfund Alternative Agreement: N

Latitude: 21.388889 Longitude: -157.983333

EPA ID: HI4170090076

Contaminated Media: Soil
Action ID: 14
Operable Unit: 16

Action Name: Record of Decision
Action Taken Date: 09/27/2010
Event Code: Not reported
Contact Name: Not reported
Contact Telephone: Not reported

EDR ID Number

Direction Distance

Elevation Site Database(s) EPA ID Number

PEARL HARBOR NAVAL COMPLEX (Continued)

Event: Not reported

Federal Facility: Y
Fiscal Year: 2010

NPL Status: Currently on the Final NPL

Superfund Alternative Agreement: N

Latitude: 21.388889 Longitude: -157.983333

EPA ID: HI4170090076 Contaminated Media: Surface Water

Action ID: 15 Operable Unit: 05

Action Name:

Action Taken Date:

Event Code:

Contact Name:

Contact Telephone:

Event:

Action Taken Date:

09/23/2011

Not reported

Not reported

Not reported

Not reported

Not reported

Federal Facility: Y

Fiscal Year: 2011

NPL Status: Currently on the Final NPL

Superfund Alternative Agreement: N

Latitude: 21.388889 Longitude: -157.983333

EPA ID: HI4170090076 Contaminated Media: Groundwater

Action ID: 15 Operable Unit: 05

Action Name:
Action Taken Date:
O9/23/2011
Event Code:
Not reported
Contact Name:
Not reported
Contact Telephone:
Not reported
Event:
Not reported

Federal Facility: Y
Fiscal Year: 2011

NPL Status: Currently on the Final NPL

Superfund Alternative Agreement: N

Latitude: 21.388889 Longitude: -157.983333

EPA ID: HI4170090076
Contaminated Media: Soil Gas
Action ID: 15
Operable Unit: 05

Action Name: Record of Decision
Action Taken Date: 09/23/2011
Event Code: Not reported
Contact Name: Not reported
Contact Telephone: Not reported
Event: Not reported

Federal Facility: Y
Fiscal Year: 2011

NPL Status: Currently on the Final NPL

Superfund Alternative Agreement: N

Latitude: 21.388889

EDR ID Number

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

PEARL HARBOR NAVAL COMPLEX (Continued)

1000707626

Longitude: -157.983333

EPA ID: HI4170090076

Contaminated Media: Soil Action ID: 15 Operable Unit: 05

Action Name: Record of Decision 09/23/2011 Action Taken Date: **Event Code:** Not reported Contact Name: Not reported Contact Telephone: Not reported Not reported Event:

Federal Facility: Fiscal Year: 2011

NPL Status: Currently on the Final NPL

Superfund Alternative Agreement:

Latitude: 21.388889 -157.983333 Longitude:

EPA ID: HI4170090076

Contaminated Media: Soil Action ID: 17 Operable Unit: 12

Record of Decision Action Name: Action Taken Date: 09/29/2009 **Event Code:** Not reported Not reported Contact Name: Contact Telephone: Not reported Not reported Event:

Federal Facility: Fiscal Year: 2009

NPL Status: Currently on the Final NPL

Superfund Alternative Agreement:

Latitude: 21.388889 -157.983333 Longitude:

EPA ID: HI4170090076

Contaminated Media: Soil Action ID: 21 Operable Unit: 17

Record of Decision Action Name: Action Taken Date: 07/12/2012 Event Code: Not reported Not reported Contact Name: Contact Telephone: Not reported Not reported Event:

Federal Facility: Fiscal Year: 2012

NPL Status: Currently on the Final NPL

Superfund Alternative Agreement:

Latitude: 21.388889 Longitude: -157.983333

EPA ID: HI4170090076

Contaminated Media: Soil Action ID: 15 Operable Unit: 05

Direction Distance Elevation

ation Site Database(s) EPA ID Number

PEARL HARBOR NAVAL COMPLEX (Continued)

1000707626

EDR ID Number

Action Name: Record of Decision
Action Taken Date: 09/23/2011
Event Code: Not reported
Contact Name: Not reported
Contact Telephone: Not reported
Event: Not reported

Federal Facility: Y
Fiscal Year: 2011

NPL Status: Currently on the Final NPL

Superfund Alternative Agreement: N

Latitude: 21.388889 Longitude: -157.983333

EPA ID: HI4170090076 Contaminated Media: Liquid Waste

Action ID: 17
Operable Unit: 12

Action Name:

Action Taken Date:

O9/29/2009

Event Code:

Contact Name:

Contact Telephone:

Event:

Not reported

Not reported

Not reported

Not reported

Y

Fiscal Year: 2009

NPL Status: Currently on the Final NPL

Superfund Alternative Agreement:

Latitude: 21.388889 Longitude: -157.983333

EPA ID: HI4170090076 Contaminated Media: Groundwater

Action ID: 17 Operable Unit: 12

Action Name:

Action Taken Date:

O9/29/2009

Event Code:

Contact Name:

Contact Telephone:

Event:

Not reported

Not reported

Not reported

Not reported

Federal Facility: Y
Fiscal Year: 2009

NPL Status: Currently on the Final NPL

Superfund Alternative Agreement: N

 Latitude:
 21.388889

 Longitude:
 -157.983333

EPA ID: HI4170090076

Contaminated Media: Soil Action ID: 24 Operable Unit: 24

Action Name:

Action Name:

Action Taken Date:

Event Code:

Contact Name:

Contact Telephone:

Event:

Action Taken Date:

09/15/2014

Not reported

Not reported

Not reported

Not reported

Not reported

Direction Distance Elevation

stance EDR ID Number evation Site Database(s) EPA ID Number

PEARL HARBOR NAVAL COMPLEX (Continued)

Federal Facility: Y
Fiscal Year: 2014

NPL Status: Currently on the Final NPL

Superfund Alternative Agreement: N

Latitude: 21.388889 Longitude: -157.983333

EPA ID: HI4170090076 Contaminated Media: Debris

Action ID: 24
Operable Unit: 24

Action Name:
Record of Decision
Action Taken Date:
09/15/2014
Event Code:
Not reported
Contact Name:
Not reported
Contact Telephone:
Not reported
Event:
Not reported

Federal Facility: Y
Fiscal Year: 2014

NPL Status: Currently on the Final NPL

Superfund Alternative Agreement: N

Latitude: 21.388889 Longitude: -157.983333

EPA ID: HI4170090076 Contaminated Media: Groundwater

Action ID: 27 Operable Unit: 27

Action Name: Record of Decision
Action Taken Date: 08/22/2016
Event Code: Not reported
Contact Name: Not reported
Contact Telephone: Not reported
Event: Not reported

Federal Facility: Y
Fiscal Year: 2016

NPL Status: Currently on the Final NPL

Superfund Alternative Agreement: N

Latitude: 21.388889 Longitude: -157.983333

EPA ID: HI4170090076

Contaminated Media: Soil Action ID: 2
Operable Unit: 08

Action Name:

Action Name:

Action Taken Date:

Event Code:

Contact Name:

Contact Telephone:

Event:

Action Record of Decision

09/28/2006

Not reported

Not reported

Not reported

Not reported

Federal Facility: Y
Fiscal Year: 2006

NPL Status: Currently on the Final NPL

Superfund Alternative Agreement: N

Latitude: 21.388889 Longitude: -157.983333

Direction Distance

Elevation Site Database(s) EPA ID Number

PEARL HARBOR NAVAL COMPLEX (Continued)

1000707626

EDR ID Number

EPA ID: HI4170090076

Contaminated Media: Soil
Action ID: 27
Operable Unit: 27

Action Name:

Action Taken Date:

Event Code:

Contact Name:

Contact Telephone:

Event:

Record of Decision

08/22/2016

Not reported

Not reported

Not reported

Not reported

Not reported

Federal Facility: Y
Fiscal Year: 2016

NPL Status: Currently on the Final NPL

Superfund Alternative Agreement: N

Latitude: 21.388889 Longitude: -157.983333

US INST CONTROLS:

Name: PEARL HARBOR NAVAL COMPLEX

Address: US NAVAL COMMAND

Address 2: Not reported

City, State, Zip: PEARL HARBOR, HI 96860

EPA ID: HI4170090076
Action Name: Record of Decision

Action ID: 4
Operable Unit: 06

Actual Date: 07/02/2010
Contaminated Media: Soil

Event Code: Not reported
Contact Name: Not reported
Contact Telephone: Not reported
Event: Not reported
Federal Facility: Y

Fiscal Year: 2010

NPL Status: Currently on the Final NPL

Superfund Alternative Agreement:

Latitude: 21.388889 Longitude: -157.983333

Name: PEARL HARBOR NAVAL COMPLEX

Address: US NAVAL COMMAND

Address 2: Not reported

City, State, Zip: PEARL HARBOR, HI 96860

EPA ID: HI4170090076
Action Name: Record of Decision

Action ID: 5
Operable Unit: 12
Actual Date: 09/29/2009
Contaminated Media: Soil

Event Code: Not reported Contact Name: Not reported Contact Telephone: Not reported Event: Not reported

Federal Facility: Y
Fiscal Year: 2009

NPL Status: Currently on the Final NPL

Direction Distance

Elevation Site Database(s) EPA ID Number

PEARL HARBOR NAVAL COMPLEX (Continued)

1000707626

EDR ID Number

Superfund Alternative Agreement: N

Latitude: 21.388889 Longitude: -157.983333

Name: PEARL HARBOR NAVAL COMPLEX

Address: US NAVAL COMMAND

Address 2: Not reported

City, State, Zip: PEARL HARBOR, HI 96860

EPA ID: HI4170090076
Action Name: Record of Decision

Action ID: 5 Operable Unit: 12 09/29/2009 Actual Date: Contaminated Media: Groundwater **Event Code:** Not reported Not reported Contact Name: Contact Telephone: Not reported Event: Not reported

Federal Facility: Y
Fiscal Year: 2009

NPL Status: Currently on the Final NPL

Superfund Alternative Agreement: N

Latitude: 21.388889 Longitude: -157.983333

Name: PEARL HARBOR NAVAL COMPLEX

Address: US NAVAL COMMAND

Address 2: Not reported

City, State, Zip: PEARL HARBOR, HI 96860

EPA ID: HI4170090076
Action Name: Record of Decision

Action ID: 6 Operable Unit: 13 Actual Date: 09/26/2018 Contaminated Media: Sediment Not reported **Event Code:** Not reported Contact Name: Contact Telephone: Not reported Event: Not reported

Federal Facility: Y
Fiscal Year: 2018

NPL Status: Currently on the Final NPL

Superfund Alternative Agreement: N

Latitude: 21.388889 Longitude: -157.983333

Name: PEARL HARBOR NAVAL COMPLEX

Address: US NAVAL COMMAND

Address 2: Not reported

City, State, Zip: PEARL HARBOR, HI 96860

EPA ID: HI4170090076
Action Name: Record of Decision

Action ID: 13
Operable Unit: 01
Actual Date: 09/14/2010

Contaminated Media: Buildings/Structures
Event Code: Not reported

Direction Distance

Elevation Site Database(s) EPA ID Number

PEARL HARBOR NAVAL COMPLEX (Continued)

1000707626

EDR ID Number

Contact Name: Not reported Contact Telephone: Not reported Event: Not reported

Federal Facility: Y
Fiscal Year: 2010

NPL Status: Currently on the Final NPL

Superfund Alternative Agreement: N

Latitude: 21.388889 Longitude: -157.983333

Name: PEARL HARBOR NAVAL COMPLEX

Address: US NAVAL COMMAND

Address 2: Not reported

City, State, Zip: PEARL HARBOR, HI 96860

EPA ID: HI4170090076
Action Name: Record of Decision

Action ID: 13
Operable Unit: 01

Actual Date: 09/14/2010 Contaminated Media: Soil

Event Code: Not reported
Contact Name: Not reported
Contact Telephone: Not reported
Event: Not reported

Federal Facility: Y
Fiscal Year: 2010

NPL Status: Currently on the Final NPL

Superfund Alternative Agreement: N

Latitude: 21.388889 Longitude: -157.983333

Name: PEARL HARBOR NAVAL COMPLEX

Address: US NAVAL COMMAND

Address 2: Not reported

City, State, Zip: PEARL HARBOR, HI 96860

EPA ID: HI4170090076
Action Name: Record of Decision

Action ID: 15
Operable Unit: 05
Actual Date: 09/23/2011
Contaminated Media: Soil
Event Code: Not reported

Contact Name:

Contact Telephone:

Event:

Not reported

Not reported

Not reported

Not reported

Y

Fiscal Year: 2011

NPL Status: Currently on the Final NPL

Superfund Alternative Agreement:

Latitude: 21.388889 Longitude: -157.983333

Name: PEARL HARBOR NAVAL COMPLEX

Address: US NAVAL COMMAND

Address 2: Not reported

City, State, Zip: PEARL HARBOR, HI 96860

EPA ID: HI4170090076

Direction Distance

Elevation Site Database(s) **EPA ID Number**

PEARL HARBOR NAVAL COMPLEX (Continued)

Record of Decision Action Name:

Action ID: 18 Operable Unit: 14 Actual Date: 09/27/2010 Contaminated Media: Soil

Event Code: Not reported Not reported Contact Name: Contact Telephone: Not reported Event: Not reported

Federal Facility: 2010 Fiscal Year:

NPL Status: Currently on the Final NPL

Superfund Alternative Agreement: Latitude: 21.388889 -157.983333 Longitude:

Name: PEARL HARBOR NAVAL COMPLEX

US NAVAL COMMAND Address:

Address 2: Not reported

PEARL HARBOR, HI 96860 City,State,Zip:

HI4170090076 EPA ID: Record of Decision Action Name:

Action ID: 18 Operable Unit: 14 09/27/2010 Actual Date: Contaminated Media: Groundwater **Event Code:** Not reported Contact Name: Not reported Contact Telephone: Not reported Event: Not reported

Federal Facility: Fiscal Year: 2010

NPL Status: Currently on the Final NPL

Superfund Alternative Agreement:

21.388889 Latitude: -157.983333 Longitude:

PEARL HARBOR NAVAL COMPLEX Name:

US NAVAL COMMAND Address:

Not reported Address 2:

PEARL HARBOR, HI 96860 City,State,Zip:

EPA ID: HI4170090076 Action Name: Record of Decision

Action ID: 21 Operable Unit: 17 Actual Date: 07/12/2012

Contaminated Media: Soil Event Code: Not reported

Not reported Contact Name: Contact Telephone: Not reported Event: Not reported

Federal Facility: Fiscal Year: 2012

NPL Status: Currently on the Final NPL

Superfund Alternative Agreement:

Latitude: 21.388889 Longitude: -157.983333 **EDR ID Number**

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

PEARL HARBOR NAVAL COMPLEX (Continued)

1000707626

PEARL HARBOR NAVAL COMPLEX Name:

US NAVAL COMMAND Address:

Address 2: Not reported

City,State,Zip: PEARL HARBOR, HI 96860

HI4170090076 EPA ID: Record of Decision Action Name:

Action ID: 24 Operable Unit: 24 Actual Date: 09/15/2014 Contaminated Media: Soil

Event Code: Not reported Not reported Contact Name: Not reported Contact Telephone: Event: Not reported

Federal Facility: Fiscal Year: 2014

NPL Status: Currently on the Final NPL

Superfund Alternative Agreement:

Latitude: 21.388889 Longitude: -157.983333

PEARL HARBOR NAVAL COMPLEX Name:

Address: US NAVAL COMMAND

Address 2: Not reported

PEARL HARBOR, HI 96860 City,State,Zip:

EPA ID: HI4170090076 Action Name: Record of Decision

Action ID: 24 24 Operable Unit: 09/15/2014 Actual Date: Contaminated Media: Debris **Event Code:** Not reported Contact Name: Not reported Contact Telephone: Not reported Not reported Event:

Federal Facility: Fiscal Year: 2014

Currently on the Final NPL NPL Status:

Superfund Alternative Agreement: 21.388889 Latitude: Longitude: -157.983333

ROD:

PEARL HARBOR NAVAL COMPLEX Name:

Address: Us Naval Command City,State,Zip: PEARL HARBOR, HI 96860

EPA ID: HI4170090076

RG: Site ID: 904481 Action: FF ESD

Operable Unit Number: PWC- MAKALAPA RINSATE PIT

SEQ ID:

Action Completion: 2016-02-11 00:00:00

NPL Status: Final Non NPL Status: Not reported

PEARL HARBOR NAVAL COMPLEX Name:

Direction Distance

Elevation Site Database(s) EPA ID Number

PEARL HARBOR NAVAL COMPLEX (Continued)

Address:

Us Naval Command

City, State, Zip: PEARL HARBOR, HI 96860

EPA ID: HI4170090076

RG: 9 Site ID: 904481

Action: FF ROD (RCRA Statement of Basis/RTC)

Operable Unit Number: WESTLOCH BLDG 49

SEQ ID:

Action Completion: 2006-09-28 00:00:00

NPL Status: Final
Non NPL Status: Not reported

Name: PEARL HARBOR NAVAL COMPLEX

Address: Us Naval Command City, State, Zip: PEARL HARBOR, HI 96860

EPA ID: HI4170090076

RG: 9

Site ID: 904481

Action: FF ROD (RCRA Statement of Basis/RTC)

Operable Unit Number: MANANA STORAGE

SEQ ID: 3

Action Completion: 2006-09-28 00:00:00

NPL Status: Final

Non NPL Status: Not reported

Name: PEARL HARBOR NAVAL COMPLEX

Address: Us Naval Command City,State,Zip: PEARL HARBOR, HI 96860

EPA ID: HI4170090076

RG: 9 Site ID: 904481

Action: FF ROD (RCRA Statement of Basis/RTC)

Operable Unit Number: NSY DRY DOCK #3

SEQ ID: 4

Action Completion: 2010-07-02 00:00:00

NPL Status: Final
Non NPL Status: Not reported

Name: PEARL HARBOR NAVAL COMPLEX

Address: Us Naval Command
City,State,Zip: PEARL HARBOR, HI 96860

EPA ID: HI4170090076

RG: 9

Site ID: 904481

Action: FF ROD (RCRA Statement of Basis/RTC)

Operable Unit Number: FORD IS HAZ SITES (SANS LF)

SEQ ID:

Action Completion: 2009-09-29 00:00:00

NPL Status: Final
Non NPL Status: Not reported

Name: PEARL HARBOR NAVAL COMPLEX

Address: Us Naval Command
City, State, Zip: PEARL HARBOR, HI 96860

EPA ID: HI4170090076

RG: 9 Site ID: 904481 **EDR ID Number**

Direction Distance

Elevation Site Database(s) **EPA ID Number**

PEARL HARBOR NAVAL COMPLEX (Continued)

Action: FF ROD (RCRA Statement of Basis/RTC)

Operable Unit Number: PH SEDIMENT

SEQ ID:

Action Completion: 2018-09-26 00:00:00

NPL Status: Final Non NPL Status: Not reported

PEARL HARBOR NAVAL COMPLEX Name:

6

Address: Us Naval Command City, State, Zip: PEARL HARBOR, HI 96860

EPA ID: HI4170090076

RG: Site ID: 904481

Action: FF ROD (RCRA Statement of Basis/RTC)

Operable Unit Number: PWC- MAKALAPA RINSATE PIT

SEQ ID:

Action Completion: 2010-09-27 00:00:00

NPL Status: Final Non NPL Status: Not reported

Name: PEARL HARBOR NAVAL COMPLEX

Address: Us Naval Command

City, State, Zip: PEARL HARBOR, HI 96860

EPA ID: HI4170090076 RG: 9

Site ID: 904481

Action: FF ROD (RCRA Statement of Basis/RTC) Operable Unit Number: PCB THERMAL DESORPTION SITES

SEQ ID:

Action Completion: 2007-09-28 00:00:00

NPL Status: Final Non NPL Status: Not reported

PEARL HARBOR NAVAL COMPLEX Name:

Us Naval Command Address: City,State,Zip: PEARL HARBOR, HI 96860

EPA ID: HI4170090076

RG: 904481 Site ID:

FF ROD (RCRA Statement of Basis/RTC) Action: PCB THERMAL DESORPTION SITES Operable Unit Number:

SEQ ID: 13

Action Completion: 2010-09-14 00:00:00

NPL Status: Final Non NPL Status: Not reported

PEARL HARBOR NAVAL COMPLEX Name:

Address: Us Naval Command City, State, Zip: PEARL HARBOR, HI 96860

EPA ID: HI4170090076

RG: Site ID: 904481

FF ROD (RCRA Statement of Basis/RTC) Action:

Operable Unit Number: FORD ISLAND LANDFILL

SEQ ID: 15

Action Completion: 2011-09-23 00:00:00

NPL Status: Final **EDR ID Number**

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

PEARL HARBOR NAVAL COMPLEX (Continued)

1000707626

Non NPL Status: Not reported

PEARL HARBOR NAVAL COMPLEX Name:

Us Naval Command Address: City, State, Zip: PEARL HARBOR, HI 96860

EPA ID: HI4170090076

RG: Site ID: 904481

Action: FF ROD (RCRA Statement of Basis/RTC) Operable Unit Number: FORD IS HAZ SITES (SANS LF)

SEQ ID:

Action Completion: 2009-09-29 00:00:00

NPL Status: Final Non NPL Status: Not reported

PEARL HARBOR NAVAL COMPLEX Name:

Us Naval Command Address: PEARL HARBOR, HI 96860 City, State, Zip:

EPA ID: HI4170090076

RG: 9

Site ID: 904481

FF ROD (RCRA Statement of Basis/RTC) Action:

Operable Unit Number: PEARL CITY JUNCTION

SEQ ID:

2010-09-27 00:00:00 Action Completion:

NPL Status: Final Non NPL Status: Not reported

PEARL HARBOR NAVAL COMPLEX Name:

18

Address: Us Naval Command City,State,Zip: PEARL HARBOR, HI 96860

EPA ID: HI4170090076

RG: Site ID: 904481

FF ROD (RCRA Statement of Basis/RTC) Action: Operable Unit Number: NSY BLDG 6, FORMER FOUNDRY

SEQ ID:

2012-07-12 00:00:00 Action Completion:

NPL Status: Final Non NPL Status: Not reported

PEARL HARBOR NAVAL COMPLEX Name:

Address: Us Naval Command PEARL HARBOR, HI 96860 City, State, Zip:

EPA ID: HI4170090076

RG:

Site ID: 904481

FF ROD (RCRA Statement of Basis/RTC) Action: WEST LOCH 4TH ST. CORAL PIT LF Operable Unit Number:

SEQ ID:

Action Completion: 2014-09-15 00:00:00

NPL Status: Final Non NPL Status: Not reported

PEARL HARBOR NAVAL COMPLEX Name:

Address: Us Naval Command City, State, Zip: PEARL HARBOR, HI 96860

Direction Distance

Elevation Site Database(s) EPA ID Number

PEARL HARBOR NAVAL COMPLEX (Continued)

EPA ID: HI4170090076

RG: 9 Site ID: 904481

Action: FF ROD (RCRA Statement of Basis/RTC)
Operable Unit Number: PWC BUILDING 35 - PAINT SHOP

SEQ ID: 26

Action Completion: 2013-09-23 00:00:00

NPL Status: Final
Non NPL Status: Not reported

Name: PEARL HARBOR NAVAL COMPLEX

Address: Us Naval Command City, State, Zip: PEARL HARBOR, HI 96860

EPA ID: HI4170090076

RG: 9 Site ID: 904481

Action: FF ROD (RCRA Statement of Basis/RTC)
Operable Unit Number: WEST LOCH OTTO FUEL WASTE STOR

SEQ ID: 27

Action Completion: 2016-08-22 00:00:00

NPL Status: Final

Non NPL Status: Not reported

Name: PEARL HARBOR NAVAL COMPLEX

Address: Us Naval Command City,State,Zip: PEARL HARBOR, HI 96860

EPA ID: HI4170090076

RG: 9 Site ID: 904481

Action: FF ROD (RCRA Statement of Basis/RTC)

Operable Unit Number: BUILDING 992 OPEN AREA

SEQ ID: 29

Action Completion: 2016-09-14 00:00:00

NPL Status: Final
Non NPL Status: Not reported

Name: PEARL HARBOR NAVAL COMPLEX

Address: Us Naval Command
City,State,Zip: PEARL HARBOR, HI 96860

EPA ID: HI4170090076

RG: 9 Site ID: 904481

Action: FF ROD (RCRA Statement of Basis/RTC)
Operable Unit Number: WEST LOCH VEHICLE MAINTENANCE

SEQ ID: 31

Action Completion: 2017-03-10 00:00:00

NPL Status: Final

Non NPL Status: Not reported

Name: PEARL HARBOR NAVAL COMPLEX

Address: Us Naval Command City,State,Zip: PEARL HARBOR, HI 96860

EPA ID: HI4170090076

RG: 9 Site ID: 904481

Action: GOVT Decision Document (ROD)

Operable Unit Number: RICHARDSON- FFTF

EDR ID Number

1000707626

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

PEARL HARBOR NAVAL COMPLEX (Continued)

SEQ ID: 14

2010-09-27 00:00:00 Action Completion:

NPL Status: Final Non NPL Status: Not reported

PEARL HARBOR NAVAL COMPLEX Name:

Address: Us Naval Command PEARL HARBOR, HI 96860 City,State,Zip:

EPA ID: HI4170090076

RG: Site ID: 904481

GOVT Decision Document (ROD) Action:

RAA 11 AND 13 Operable Unit Number:

SEQ ID:

2013-03-29 00:00:00 Action Completion:

NPL Status: Final Not reported Non NPL Status:

PRP:

KAANAPALI LAND, LLC PRP Name:

> OAHU SUGAR COMPANY, LLC OAHU SUGAR COMPANY, LLC OAHU SUGAR COMPANY, LLC

PFAS NPL:

EPA Region: 09

Name: PEARL HARBOR NAVAL COMPLEX

Address: **US NAVAL COMMAND** City, State, Zip: PEARL HARBOR, HI 96860

EPAID: HI4170090076

Superfund Link:

Data Systems: **SEMS** Location Type: Not reported NPL Site: Yes NPL Status: Final Media Detected: Not reported Latitude: 21.388889 Longitude: -157.983333

B3 KEN'S AUTO SERVICE NW **91-2078 FT WEAVER RD** EWA BEACH, HI 96706 < 1/8

301 ft. Site 1 of 2 in cluster B

Relative: UST FINDER:

0.057 mi.

31 ft.

Higher Object ID: 110234 Facility ID: HI9-200823 Actual:

Name: KEN'S AUTO SERVICE Address: 91-2078 FT WEAVER RD City,State,Zip: EWA BEACH, HI 96706

Address Match Type: PointAddress

Open USTs: 0 Closed USTs: 2 TOS USTs: 0 Population 1500ft: 167 Private Wells 1500ft: 0

TC8137757.2s Page 56

1028283128

N/A

UST FINDER

1000707626

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

KEN'S AUTO SERVICE (Continued)

1028283128

Within 100yr Floodplain: Not reported Not reported Land Use:

Within SPA: No

SPA PWS Facility ID: Not reported SPA Water Type: Not reported Not reported SPA Facility Type: SPA HUC12: Not reported Within WHPA: No

WHPA PWS Facility ID: Not reported WHPA Water Type: Not reported Not reported WHPA Facility Type: WHPA HUC12: Not reported Closed UST(s) Facility Status: Date of Last Inspection: Not reported

EPA Region:

Tribe: Not reported Coordinate Source: Geocode -158.033115 X Coord: Y Coord: 21.364632 Latitude: 21.364632 Longitude: -158.033115

UST FINDER:

Object ID: 402930 Facility ID: HI9-200823 Tank ID: HI9-200823R-01

Tank Status: Closed

Installation Date: 1949/08/03 16:00:01+00

Removal Date: Not reported Tank Capacity: 5000 Substances: Gasoline Tank Wall Type: Not reported

Object ID: 402931 Facility ID: HI9-200823 Tank ID: HI9-200823R-02

Tank Status: Closed

Installation Date: 1949/08/03 16:00:01+00

Removal Date: Not reported 10000 Tank Capacity: Substances: Gasoline Tank Wall Type: Not reported

В4 **KEN'S AUTO SERVICE** U003221989 NW **91-2078 FT WEAVER RD** N/A

< 1/8 EWA BEACH, HI 96706 0.057 mi.

301 ft. Site 2 of 2 in cluster B

UST: Relative: Higher KEN'S AUTO SERVICE Name: Address: 91-2078 Ft Weaver Rd Actual: City, State, Zip: EWA BEACH, HI 96706 31 ft.

Facility ID: 9-200823 Owner: **KEN ASATO**

Owner Address: 91-373 FT. WEAVER RD Owner City, St, Zip: Ewa Beach, 96706 96706

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

KEN'S AUTO SERVICE (Continued) U003221989

Latitude: Not reported Longitude: Not reported Horizontal Reference Datum Name: Not reported Horizontal Collection Method Name: Not reported

Tank ID: R-01 Date Installed: 08/03/1949

Tank Status: **Permanently Out of Use**

04/01/1988 Date Closed: Tank Capacity: 5000 Substance: Gasoline

KEN'S AUTO SERVICE Name: 91-2078 Ft Weaver Rd Address: City, State, Zip: EWA BEACH, HI 96706

Tank ID: R-02 Date Installed: 08/03/1949

Tank Status: **Permanently Out of Use**

Date Closed: 04/01/1988 Tank Capacity: 10000 Substance: Gasoline

C5 C & S SERVICES, INC RCRA-SQG 1026831118 NNW 91-2126 OLD FORT WEAVER ROAD LOT G HIR000146613

< 1/8 EWA BEACH, HI 96706

0.099 mi.

524 ft. Site 1 of 2 in cluster C

Relative: RCRA Listings:

Date Form Received by Agency: Higher 20210609 Handler Name: C & S Services, Inc Actual:

Old Fort Weaver Road Lot G 20 ft. Handler Address: EWA BEACH, HI 96706 Handler City, State, Zip:

EPA ID: HIR000146613 MOSES BELL Contact Name:

OLD FORT WEAVER ROAD Contact Address: Contact City, State, Zip: EWA BEACH, HI 96706

Contact Telephone: 808-590-5024 Contact Fax: Not reported

Contact Email: MBELL@CANDSSERVICES.NET

Contact Title: QCS/QA MANAGER

EPA Region: 09 Land Type: Private

Federal Waste Generator Description: **Small Quantity Generator**

Non-Notifier: Not reported Biennial Report Cycle: Not reported Accessibility: Not reported Active Site Indicator: Handler Activities State District Owner: Not reported State District: Not reported Mailing Address: PO BOX 970100 Mailing City, State, Zip: WAIPAHU, HI 96797

Owner Name: Milaflor Caliedo

Owner Type: Private

Operator Name: C & S Services, Inc

Operator Type: Private Short-Term Generator Activity: No

Distance Elevation Site

Site Database(s) EPA ID Number

C & S SERVICES, INC (Continued)

1026831118

EDR ID Number

Importer Activity: No Mixed Waste Generator: No Transporter Activity: No Transfer Facility Activity: No Recycler Activity with Storage: No Small Quantity On-Site Burner Exemption: No Smelting Melting and Refining Furnace Exemption: No **Underground Injection Control:** Nο Off-Site Waste Receipt: No Universal Waste Indicator: No Universal Waste Destination Facility: No Federal Universal Waste: No Active Site State-Reg Handler:

Federal Facility Indicator: Not reported

Hazardous Secondary Material Indicator: N

Sub-Part K Indicator:

2018 GPRA Permit Baseline:

Not on the Baseline

2018 GPRA Renewals Baseline:

Not on the Baseline

202 GPRA Corrective Action Baseline:

Subject to Corrective Action Universe:

No
Non-TSDFs Where RCRA CA has Been Imposed Universe:

No

Corrective Action Priority Ranking: No NCAPS ranking

Environmental Control Indicator: No Institutional Control Indicator: No Human Exposure Controls Indicator: N/A Groundwater Controls Indicator: N/A Significant Non-Complier Universe: No Unaddressed Significant Non-Complier Universe: No Addressed Significant Non-Complier Universe: No Significant Non-Complier With a Compliance Schedule Universe: No

Financial Assurance Required:
Handler Date of Last Change:
Recognized Trader-Importer:
No
Recognized Trader-Exporter:
No

Importer of Spent Lead Acid Batteries:NoExporter of Spent Lead Acid Batteries:NoRecycler Activity Without Storage:NoManifest Broker:NoSub-Part P Indicator:No

Hazardous Waste Summary:

Waste Code: D001

Waste Description: Ignitable Waste

Waste Code: D002

Waste Description: Corrosive Waste

Handler - Owner Operator:

Owner/Operator Indicator: Owner

Owner/Operator Name: MILAFLOR CALIEDO

Legal Status: Private

Date Became Current: Not reported

Date Ended Current: Not reported

Owner/Operator Address: 91-2126 G OLD FORT WEAVER ROAD

Owner/Operator City, State, Zip: EWA BEACH, HI 96706

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

C & S SERVICES, INC (Continued)

1026831118

Owner/Operator Telephone: Not reported Not reported Owner/Operator Telephone Ext: Owner/Operator Fax: Not reported Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator

Owner/Operator Name: C & S SERVICES, INC

Legal Status: Private Date Became Current: Not reported Date Ended Current: Not reported

91-2126 G OLD FORT WEAVER ROAD Owner/Operator Address:

Owner/Operator City, State, Zip: EWA BEACH, HI 96706

Owner/Operator Telephone: Not reported Owner/Operator Telephone Ext: Not reported Owner/Operator Fax: Not reported Owner/Operator Email: Not reported

Historic Generators:

Receive Date: 20210609

Handler Name: C & S SERVICES, INC

Federal Waste Generator Description: **Small Quantity Generator**

State District Owner: Not reported

Large Quantity Handler of Universal Waste: No Recognized Trader Importer: No Recognized Trader Exporter: No Spent Lead Acid Battery Importer: No Spent Lead Acid Battery Exporter: No Current Record: Yes Non Storage Recycler Activity: No Electronic Manifest Broker: No

List of NAICS Codes and Descriptions:

NAICS Code:

NAICS Description: Ship Building And Repairing

Facility Has Received Notices of Violations:

Violations: No Violations Found

Evaluation Action Summary:

Evaluations: No Evaluations Found

C6 C & S SERVICES, INC. **E MANIFEST** 1031909371

91-2126 G OLD FORT WEAVER ROAD NNW

< 1/8 EWA BEACH, HI 96706

0.099 mi.

524 ft. Site 2 of 2 in cluster C

Relative: E MANIFEST:

Higher 006248811GBF Manifest Tracking Number: Last Updated Date: 20210816 Actual: Shipped Date: 20210611 20 ft. Received Date: 20210725 Manifest Status: Signed

Submission Type: DataImage5Copy

Origin Type: Service N/A

Distance Elevation Site

Site Database(s) EPA ID Number

C & S SERVICES, INC. (Continued)

1031909371

EDR ID Number

Generator EPA ID: HIR000146613
Generator Name: C & S Services, Inc.

Generator Location Street Number: Not reported

Generator Location Street 1: 91-2126 G OLD FORT WEAVER ROAD Generator Location Street 2: PO Box 970100, waipahu, hi 96797

Generator Location City: EWA BEACH

Generator Location State: HI
Generator Location Zip: 96706
Generator Mail Street Number: Not reported

Generator Mail Street 1: 91-2126 G Old Fort Weaver Road Generator Mail Street 2: PO Box 970100, waipahu, hi 96797

Generator Mail City: Ewa Beach Generator Mail Zip: 96706 Generator Mail State: HI

Generator Contact Company Name: C & S Services, Inc.
Designated Facility EPA ID: NED981723513
Designated Facility Name: Not reported
Designated Facility Mail Street Number: Not reported
Designated Facility Mail Street 1: Not reported

Designated Facility Mail Street 2: 2247 South Highway 71

Designated Facility Mail City: Kimball
Designated Facility Mail Zip: 69145
Designated Facility Mail State: NE

Designated Facility Location Street Number: Not reported

Designated Facility Location Street 1: 2247 South Highway 71

Designated Facility Location Street 2: Not reported
Designated Facility Location City: Kimball
Designated Facility Location Zip: 69145
Designated Facility Location State: NE

Designated Facility Contact Company Name: Clean Harbors Environmental Services, Inc.

Manifest Residue Indicator: N Rejection Indicator: N

Manifest Tracking Number:006248812GBFLast Updated Date:20210816Shipped Date:20210611Received Date:20210725Manifest Status:Signed

Submission Type: DataImage5Copy
Origin Type: Service
Generator EPA ID: HIR000146613
Generator Name: C & S Services, Inc.

Generator Location Street Number: Not reported

Generator Location Street 1: 91-2126 G OLD FORT WEAVER ROAD Generator Location Street 2: PO Box 970100, waipahu, hi 96797

Generator Location City: EWA BEACH
Generator Location State: HI
Generator Location Zip: 96706
Generator Mail Street Number: Not reported

Generator Mail Street 1: 91-2126 G Old Fort Weaver Road Generator Mail Street 2: PO Box 970100, waipahu, hi 96797

Generator Mail City: Ewa Beach
Generator Mail Zip: 96706
Generator Mail State: HI

Generator Contact Company Name: C & S Services, Inc.

Designated Facility EPA ID: NED981723513

Designated Facility Name: Not reported

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

C & S SERVICES, INC. (Continued)

1031909371

Designated Facility Mail Street Number: Not reported Designated Facility Mail Street 1: Not reported

Designated Facility Mail Street 2: 2247 South Highway 71

Designated Facility Mail City: Kimball Designated Facility Mail Zip: 69145 Designated Facility Mail State: NE Designated Facility Location Street Number: Not reported

Designated Facility Location Street 1: 2247 South Highway 71

Designated Facility Location Street 2: Not reported Designated Facility Location City: Kimball Designated Facility Location Zip: 69145 Designated Facility Location State: NE

Designated Facility Contact Company Name: Clean Harbors Environmental Services, Inc.

Manifest Residue Indicator: Rejection Indicator: Ν

Transporter:

Manifest Tracking Number: 006248812GBF

Transporter Line Number:

HID982040578 Transporter EPA ID:

Transporter Name: Pacific Commercial Services Llc

Manifest Tracking Number: 006248812GBF

Transporter Line Number:

Transporter EPA ID: CAD006912620

Transporter Name: Matson Navigation Company

Manifest Tracking Number: 006248812GBF

Transporter Line Number:

MOD095038998 Transporter EPA ID: Transporter Name: Tri State Motor Transit

Waste Line:

006248812GBF Manifest Tracking Number:

Waste Line Number: 1 U.S. DOT Hazardous Indicator: Υ U.S. DOT ID Number: UN1950

Un1950, Waste Aerosols, Flammable, N.O.S., 2.1, None, Ltd Qty U.S. DOT Description:

Non-Hazardous Waste Description: Not reported **Number of Containers:** Container Type Code:

Container Type Description: Fiberboard or plastic drums, barrels, kegs

Waste Quantity: Quantity Unit of Measure Code: Ρ Quantity Unit of Measure Description: Pounds Waste Quantity, in Tons: 0.0025 Acute Waste Quantity, in Tons: Non-Acute Waste Quantity, in Tons: 0.0025 Waste Quantity, in Kilograms: 2.267575 Acute Waste Quantity, in Kilograms: 0 Non-Acute Waste Quantity, in Kilorgrams: 2.267575 Management Method Code:

Management Method Description: STORAGE, BULKING AND/OR TRANSFER OFF SITE

Waste Residue Indicator: Ν Quantity Discrepancy Indicator: Ν Waste Type Discrepancy Indicator: Ν Map ID MAP FINDINGS Direction

Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

C & S SERVICES, INC. (Continued)

1031909371

Waste Density: Not reported Waste Density Unit of Measure Code: Not reported Waste Density Unit of Measure Description: Not reported Not reported Form Code: Form Code Description: Not reported Not reported Source Code: Source Code Description: Not reported Waste Minimization Code: Not reported Not reported Waste Minimization Code Description: Consent Number: Not reported **EPA Waste Indicator:** Υ

D001 Federal Waste Codes: Quantity Haz Kg: 2.267575 Quantity Haz Tons: 0.0025 Quantity Non Haz Kg: Quantity Non Haz Tons: 0

State Waste Codes: Not reported

Manifest Tracking Number: 006248812GBF

Waste Line Number: 2 U.S. DOT Hazardous Indicator: Υ U.S. DOT ID Number: NA3082

U.S. DOT Description: Na3082, Hazardous Waste, Liquid, N.O.S. (Copper Naphtenate, Barium

Sulfate), 9, Pg Iii, Marine Pollutant

Non-Hazardous Waste Description: Not reported Number of Containers: 3 Container Type Code: CF

Container Type Description: Fiber or plastic boxes, cartons, cases

Waste Quantity: 600 Quantity Unit of Measure Code: Ρ Quantity Unit of Measure Description: Pounds Waste Quantity, in Tons: 0.3 Acute Waste Quantity, in Tons: Non-Acute Waste Quantity, in Tons: 0.3 Waste Quantity, in Kilograms: 272.109 Acute Waste Quantity, in Kilograms: 0 Non-Acute Waste Quantity, in Kilorgrams: 272.109 Management Method Code: H040

INCINERATION Management Method Description:

Waste Residue Indicator: Ν Quantity Discrepancy Indicator: Ν Waste Type Discrepancy Indicator: Ν

Waste Density: Not reported Waste Density Unit of Measure Code: Not reported Not reported Waste Density Unit of Measure Description: Form Code: Not reported Form Code Description: Not reported Source Code: Not reported Source Code Description: Not reported Not reported Waste Minimization Code: Waste Minimization Code Description: Not reported Consent Number: Not reported

EPA Waste Indicator:

Federal Waste Codes: Not reported

Quantity Haz Kg: 0 Quantity Haz Tons: Quantity Non Haz Kg: 272.109

Direction Distance

Elevation Site Database(s) EPA ID Number

C & S SERVICES, INC. (Continued)

1031909371

EDR ID Number

Quantity Non Haz Tons: 0.3

State Waste Codes: Not reported

Manifest Tracking Number: 006248812GBF

Waste Line Number: 3
U.S. DOT Hazardous Indicator: Y
U.S. DOT ID Number: UN1760

U.S. DOT Description: Rq, Un1760, Waste Corrosive Liquids, N.O.S. (Grout, Amine), 8, Pg li

(D002)

Non-Hazardous Waste Description: Not reported Number of Containers: 1
Container Type Code: CF

Container Type Description: Fiber or plastic boxes, cartons, cases

Waste Quantity: Quantity Unit of Measure Code: Pounds Quantity Unit of Measure Description: Waste Quantity, in Tons: 0.075 Acute Waste Quantity, in Tons: 0 Non-Acute Waste Quantity, in Tons: 0.075 Waste Quantity, in Kilograms: 68.02725 Acute Waste Quantity, in Kilograms: 0 Non-Acute Waste Quantity, in Kilorgrams: 68.02725

Management Method Code: H040
Management Method Description: INCINERATION

Management Method Description: INC
Waste Residue Indicator: N
Quantity Discrepancy Indicator: N

Waste Type Discrepancy Indicator: N

Waste Density: Not reported Waste Density Unit of Measure Code: Not reported Waste Density Unit of Measure Description: Not reported Not reported Form Code: Form Code Description: Not reported Source Code: Not reported Not reported Source Code Description: Not reported Waste Minimization Code: Waste Minimization Code Description: Not reported Consent Number: Not reported

EPA Waste Indicator:

Federal Waste Codes:

Quantity Haz Kg:

Quantity Haz Tons:

Quantity Non Haz Kg:

Quantity Non Haz Tons:

Quantity Non Haz Tons:

0

State Waste Codes: Not reported

7 C & S SERVICES, INC HWP S132377035
North 91-2126 OLD FORT WEAVER ROAD LOT G N/A

1/8-1/4 EWA BEACH, HI 96706

0.235 mi. 1239 ft.

Relative: HWP:

HigherHandler ID:HIR000146613Actual:HW File Number:Not reported18 ft.RCRA Number:Not reported

Name: C & S SERVICES, INC

Address: 91-2126 OLD FORT WEAVER ROAD LOT G

City,State,Zip: EWA BEACH, HI 96706

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

C & S SERVICES, INC (Continued)

S132377035

Island: Not reported TMK: Not reported

Active Site: Generator Status: SQG Transporter: Ν Universal Waste:

Used Oil: NNNNNN

SHWS **EAST KAPOLEI HOOPILI** S113230439 N/A

WNW

1/2-1 KAPOLEI, HI

0.597 mi. 3153 ft.

Relative: SHWS: Higher IHEER ID: 264

Name: EAST KAPOLEI HOOPILI Actual:

Address: Not reported 132 ft. Address 2: Not reported

KAPOLEI, HI City,State,Zip: Zip 2: Not reported Lead Agency: **HEER Office** HID Number: Not reported Island: Oahu **Environmental Interest:** Not reported Melody Calisay Project Manager: Hazard Priority: Unranked Facility Registry Identifier: Not reported Location Description: Not reported

Supplemental Location: Not reported Potential Hazards And Controls: Not reported Assessment: Not reported Nature of Contamination: Not reported Not reported Nature of Residual Contamination: Not reported Use Restrictions: Program: State Description of Restrictions: Not reported

Action Completion Date: Not reported Within Designated Areawide ContaminationNot reported Not reported Response: Contact Information: Not reported **Engineering Control:** Not reported Institutional Control: Not reported Is Public: Not reported 09/13/2021 Update On: Status name: NFA

Ewa Sugar Mill Complex; Honolulu High-Capacity Transit Corridor Aliases:

Project

191010002; 191010014; 191010015; 191017004; 191017043; 191017059; Tax Map Keys:

191017070; 191017072; 191018001; 191018004; 191018005; 191018006;

192002001; 192002002; 192002004; 192002005; 192002006;

Latitude: 21.365159 -158.042139 Longitude:

SHWS:

IHEER ID: 264

Document Type: No Further Action Determination Letter

Document Title: No Further Action Determination For Hoopili Property

Distance EDR ID Number
Elevation Site EDR ID Number
Database(s) EPA ID Number

EAST KAPOLEI HOOPILI (Continued)

S113230439

Document Date: Sep 19, 2012
Document Number: 70536

IHEER ID: 264

Document Type: Undetermined

Document Title: Hoopili And University Of Hawaii West Oahu Campus Final Phase li Site

Assessment Report, Kapolei, Oahu Hi

Document Date: Aug 22, 2012
Document Number: 70545

IHEER ID: 264

Document Type: Undetermined

Document Title: Hoopili And University Of Hawaii West Oahu Campus Final Phase li Site

Assessment Report, Kapolei, Oahu Hi, Aug 20, 2012

Document Date: Aug 20, 2012 Document Number: 70537

IHEER ID: 264

Document Type: Undetermined

Document Title: Revised Draft - Hoopili Phase Ii Site Assessment Report

Document Date: Aug 7, 2012
Document Number: 70541

IHEER ID: 264

Document Type: Undetermined

Document Title: Revised Draft Phase Ii Site Assessment Report, Hoopili And University

Of Hawaii West Oahu Campus, Kapolei, Oahu Hi, Jul 24, 2012

Document Date: Jul 24, 2012
Document Number: 70529

IHEER ID: 264

Document Type: Undetermined

Document Title: Amended Final Report For Tetra Tech Em Inc For 90 Samples Received On

Feb 9, 11, 12, And 20, 2009

Document Date: Jun 30, 2012 Document Number: 70531

IHEER ID: 264

Document Type: Undetermined

Document Title: (Hi) Hoopili And University Of Hawaii West Oahu Campus Kapolei, Oahu

Hi, Phase Ii Site Assessment Report, Apr 12, 2012

Document Date: Apr 13, 2012
Document Number: 70544

IHEER ID: 264

Document Type: Undetermined

Document Title: Hoopili And University Of Hawaii West Oahu Campus Final Phase li Site

Assessment Report Kapolei, Oahu Hi

Document Date: Apr 13, 2012
Document Number: 70532

IHEER ID: 264

Document Type: Undetermined

Document Title: Hoopili And University Of Hawaii West Oahu Campus, Oahu Hi, Phase li

Site Assessment Sap

Document Date: Sep 26, 2008 Document Number: 70538

Direction Distance

Distance Elevation Site EDR ID Number

EDR ID Number

EPA ID Number

EAST KAPOLEI HOOPILI (Continued)

S113230439

IHEER ID: 264

Document Type: Undetermined

Document Title: Transmittal Of The Phase Ii Sap Hoopili And Hawaii West Oahu Campus

Document Date: Sep 25, 2008 Document Number: 13034

IHEER ID: 264

Document Type: Undetermined

Document Title: Follow-Up On Meeting With Doh On Arsenic Sampling Hoopili

Document Date: Mar 28, 2007 Document Number: 70543

IHEER ID: 264

Document Type: Undetermined

Document Title: Sampling Memorandum Hoopili Development Ewa, Oahu Hi

Document Date: Mar 13, 2007 Document Number: 70530

9 ABC CORPORATION LEOWAENA STREET

94-131 LEOWAENA ST

IHEER ID:

SHWS S126282156

N/A

1/2-1 WAIPAHU, HI 96797 0.810 mi.

NNE

Higher

4278 ft.

Relative: SHWS:

Actual: Name: ABC CORPORATION LEOWAENA STREET

43 ft. Address: 94-131 LEOWAENA ST

Address 2: Not reported

City, State, Zip: WAIPAHU, HI 96797

Zip 2: Not reported Lead Agency: SHWB HID Number: Not reported Island: Oahu **Environmental Interest:** Not reported Project Manager: Not reported Hazard Priority: Unranked Not reported Facility Registry Identifier:

Location Description: 94-131 Leowaena St, Waipahu, HI 96797

Supplemental Location: Not reported Potential Hazards And Controls: Not reported Not reported Assessment: Nature of Contamination: Not reported Nature of Residual Contamination: Not reported Use Restrictions: Not reported Program: **RCRA** Description of Restrictions: Not reported Action Completion Date: Not reported Within Designated Areawide ContaminationNot reported Response: Not reported Not reported Contact Information: Not reported **Engineering Control:** Institutional Control: Not reported Is Public: Not reported Update On: 12/03/2021 REFERRED Status name:

Aliases: Brownfields Unranked Site

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

ABC CORPORATION LEOWAENA STREET (Continued)

S126282156

Tax Map Keys: 194048034; Latitude: 21.374088 -158.022953 Longitude:

SHWS:

IHEER ID: 1777

Document Type: Undetermined

Document Title: **Record Of Communication**

Document Date: Not reported **Document Number:** 13094

IHEER ID: 1777

Document Type: Undetermined

Various Documents For Abc Corporation Leowaena Street Document Title:

Document Date: Not reported 29628 **Document Number:**

IHEER ID: 1777

Document Type: Undetermined

Document Title: Site List Information For Abc Chemical Corporation

Document Date: Sep 15, 2000 16660 **Document Number:**

IHEER ID: 1777

Document Type: Undetermined

Reassessment Of Abc Chemical Corporation, Waipahu Hi, Epa Id Document Title:

Hid033233305

Document Date: Aug 25, 1998 Document Number: 29627

1777 IHEER ID:

Document Type: Undetermined

Document Title: Request For Public Records Mec Project #:970419

Document Date: Jun 6, 1997 29638 Document Number:

IHEER ID: 1777

Document Type: Undetermined

Document Title: Isst Nfa And Site Screening Sheet

Document Date: Feb 7, 1997 **Document Number:** 29631

IHEER ID: 1777

Document Type: Undetermined

Document Title: Low Priority Site Justification Dec 16, 1994

Document Date: **Document Number:** 29633

IHEER ID: 1777

Undetermined Document Type:

Document Title: Facility Information/Data Base Form

Document Date: Dec 1, 1993 **Document Number:** 29629

IHEER ID: 1777

Document Type: Undetermined

Document Title: Request For Information, Abc Chemical Corp. 94-131 Leowaena St,

Honolulu Hi

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

ABC CORPORATION LEOWAENA STREET (Continued)

S126282156

Document Date: Jul 12, 1990 **Document Number:** 29625

IHEER ID: 1777

Document Type: Undetermined

Document Title: Epa Cerclis Site At Abc Chemical Corporation

Document Date: Jul 10, 1990 29632 **Document Number:**

IHEER ID: 1777

Document Type: Undetermined

Document Title: Preliminary Assessment - Epa Region 9 Toxics & Wastes Management

Division

Document Date: Nov 29, 1983 **Document Number:** 29630

IHEER ID: 1777

Document Type: Undetermined

Document Title: Data Base Update - U.S. Epa

Jul 21, 1983 **Document Date: Document Number:** 29626

IHEER ID: 1777

Document Type: Undetermined

Document Title: Notification Of Hazardous Waste Activity - U.S. Epa

Document Date: Jun 27, 1980 Document Number: 29634

IHEER ID: 1777

Document Type: Undetermined

Document Title: Epa Identification And Preliminary Assessment For Potential Hazardous

Waste Site Feb 15, 1980

Document Date: Document Number: 29636

1777 IHEER ID:

Document Type: Undetermined

Document Title: Epa Potential Hazardous Waste Site Log, Site Number 10006

Document Date: Feb 15, 1980 **Document Number:** 29635

IHEER ID: 1777

Document Type: Undetermined

Document Title: Hazardous Waste Storage And Disposal Survey

Document Date: Feb 14, 1980 29637 **Document Number:**

Direction Distance

Elevation Site Database(s) EPA ID Number

D10 ZIPPY S PARCEL SHWS S126283275
South 91-1669 FORT WEAVER RD N/A

South 91-1669 FORT WEAVER RD 1/2-1 EWA BEACH, HI 96706

0.849 mi.

4483 ft. Site 1 of 2 in cluster D

Relative: SHWS:
Higher IHEER ID: 1509

Actual: Name: ZIPPY S PARCEL

46 ft. Address: 91-1669 FORT WEAVER RD
Address 2: Not reported

City, State, Zip: EWA BEACH, HI 96706

Zip 2: Not reported **HEER Office** Lead Agency: HID Number: Not reported Island: Oahu Environmental Interest: Not reported Project Manager: Not reported Hazard Priority: Unranked Facility Registry Identifier: Not reported

Location Description: 91-1669 Fort Weaver Rd

Supplemental Location: Not reported Potential Hazards And Controls: Not reported Assessment: Not reported Nature of Contamination: Not reported Nature of Residual Contamination: Not reported Use Restrictions: Not reported Program: State Description of Restrictions: Not reported Action Completion Date: Not reported

Action Completion Date: Not reported Within Designated Areawide ContaminationNot reported Response: Not reported Contact Information: Not reported Engineering Control: Not reported Institutional Control: Not reported Is Public: Not reported Update On: Not reported Status name: NFA

Aliases: 91-1669 Fort Weaver Rd ADDRESS; BHP Gas Express Station 43; BHP Gas

Express Station 43 Ewa Repair Shop; BHP Gas Express Station 43 Zippy s

Parcel

Tax Map Keys: 191043160; Latitude: Not reported Longitude: Not reported

SHWS:

IHEER ID: 1509

Document Type: No Further Action Determination Letter
Document Title: Nfa For New Zippy S Parcel, Ft Weaver Rd

Document Date: Oct 11, 2004
Document Number: 55067

IHEER ID: 1509

Document Type: Undetermined

Document Title: Zippy S Restaurant - 7-11 Inc Property, 91-1669 Ft Weaver Rd, Ewa Hi

96706

Document Date: Oct 6, 2004
Document Number: 55063

IHEER ID: 1509

EDR ID Number

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

ZIPPY S PARCEL (Continued) S126283275

Document Type: Undetermined

Transmittal Of Figures Related To The Proposed Zippy S Restaurant Document Title:

Property, 91-1669 Ft Weaver Rd, Ewa Hi 96706

Document Date: Jun 30, 2004 **Document Number:** 55070

1509 IHEER ID:

Document Type: Undetermined Document Title: Zippy S Ewa Beach Document Date: Apr 1, 2003 55064 Document Number:

IHEER ID: 1509

Document Type: Undetermined Document Title: Zippy S Ewa Beach Document Date: Apr 1, 2003 **Document Number:** 55065

IHEER ID: 1509

Undetermined Document Type:

Document Title: Nfa For Zippy S Parcel

Document Date: Mar 19, 2003 **Document Number:** 55069

IHEER ID: 1509

Document Type: Undetermined Document Title: Zippy S Ewa Beach **Document Date:** Mar 11, 2003 55068 **Document Number:**

IHEER ID: 1509

Document Type: Undetermined

Document Title: Limited Subsurface Investigation Report 91-1669 Fort Weaver Road Ewa

Beach, Oahu, Hawaii

Feb 28, 2003 Document Date: 173932 **Document Number:**

IHEER ID: 1509

Document Type: Undetermined

Document Title: Phase I Esa Proposed Zippy S Restaurant, 91-1669 Ft Weaver Rd, Ewa,

Oahu Hi, 96706-1907, Tmk 1-9-1-043-160 (Por)

Document Date: Nov 30, 2002

Document Number: 55066

EWA REPAIR SHOP/TESORO (FORT WEAVER ROAD) D11

SHWS S126282403 South 91-1669 FORT WEAVER RD N/A

1/2-1 EWA BEACH, HI 96706

0.849 mi.

4483 ft. Site 2 of 2 in cluster D

SHWS: Relative: Higher IHEER ID: 2595

EWA REPAIR SHOP/TESORO (FORT WEAVER ROAD) Name: Actual:

Address: 91-1669 FORT WEAVER RD 46 ft.

> Address 2: Not reported

EWA BEACH, HI 96706 City, State, Zip:

Zip 2: Not reported

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

EWA REPAIR SHOP/TESORO (FORT WEAVER ROAD) (Continued)

S126282403

Lead Agency: **HEER Office** HID Number: Not reported Island: Oahu **Environmental Interest:** Not reported Project Manager: Not reported Hazard Priority: Unranked Facility Registry Identifier: Not reported

Location Description: 91-1669 Fort Weaver Rd

Supplemental Location: Not reported Potential Hazards And Controls: Not reported Not reported Assessment: Nature of Contamination: Not reported Nature of Residual Contamination: Not reported Use Restrictions: Not reported Program: State Description of Restrictions: Not reported Action Completion Date: Not reported Within Designated Areawide ContaminationNot reported Response: Not reported Contact Information: Not reported **Engineering Control:** Not reported Institutional Control: Not reported Is Public: Not reported Update On: 05/30/2019 Status name: **ASSESSMENT**

Aliases: BHP Gas Express Station 43 Ewa Repair Shop; Brownfields Low Priority

Site

Tax Map Keys: 191043161; Latitude: 21.348069 Longitude: -158.027348

SHWS:

IHEER ID: 2595

Document Type: Undetermined

Site Screening Sheet For Ewa Repair Shop (Tesoro) Document Title:

Document Date: Feb 2, 1999 **Document Number:** 31576

IHEER ID: 2595

Document Type: Undetermined

Document Title: 91-1669 Ft Weaver Rd, Ewa, Oahu

Document Date: Jan 27, 1999 **Document Number:** 31562

IHEER ID: 2595

Document Type: Undetermined

Document Title: Limited Phase Ii Esa Report Further Site Investigation For 91-1669 Ft

Weaver Rd, Etc Project No 98-0-2001

Oct 1, 1998 **Document Date:** Document Number: 31577

IHEER ID: 2595

Document Type: Undetermined

Supplement I To 8/5/98 Limited Phase Ii Esa For 91-1669 Ft Weaver Rd, Document Title:

Ewa, Oahu Hi, Etc Project No 98-0-2001

Document Date: Aug 19, 1998 Document Number: 31563

Direction Distance

Elevation Site Database(s) EPA ID Number

EWA REPAIR SHOP/TESORO (FORT WEAVER ROAD) (Continued)

S126282403

EDR ID Number

IHEER ID: 2595

Document Type: Undetermined

Document Title: Limited Phase Ii Esa For 91-669 Ft Weaver Rd, Ewa, Oahu Hi, Etc

Project No 98-0-2001

Document Date: Aug 5, 1998
Document Number: 31565

IHEER ID: 2595

Document Type: Undetermined

Document Title: Phase I Esa For 91-1669 Ft Weaver Rd, Tmk 1-9-1-043-160 Ewa, Oahu Hi,

Prepared For: 7-Eleven Hawaii, Inc, Final Report Jun 1998

Document Date: Jun 1, 1998 Document Number: 31570

IHEER ID: 2595

Document Type: Undetermined

Document Title: Limited Subsurface Investigation Report, 91-1669 Ft Weaver Rd Ewa

Beach, Oahu Hi

Document Date: Feb 28, 2003
Document Number: 31564

IHEER ID: 2595

Document Type: Undetermined

Document Title: Emails From Oct 2002 And Aug 2004

Document Date: Oct 9, 2002 Document Number: 31575

IHEER ID: 2595

Document Type: Undetermined
Document Title: Contact Report
Document Date: Mar 18, 1999
Document Number: 31574

IHEER ID: 2595

Document Type: Undetermined

Document Title: Low Priority Notification Letters (3) Re: Ewa Repair Shop, 91-1669 Ft

Weaver Rd

Document Date: Mar 18, 1999
Document Number: 31571

IHEER ID: 2595

Document Type: Undetermined

Document Title: Low Priority Notification Letters (3) Re: Ewa Repair Shop, 91-1669 Ft

Weaver Rd

Document Date: Mar 18, 1999
Document Number: 31572

IHEER ID: 2595

Document Type: Undetermined

Document Title: Miscellaneous Documents From Solid And Hazardous Waste Branch

Document Date: Mar 3, 1999
Document Number: 31573

IHEER ID: 2595

Document Type: Undetermined

Document Title: Low Priority Notification Letter

Document Date: Feb 5, 1999

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

EWA REPAIR SHOP/TESORO (FORT WEAVER ROAD) (Continued)

S126282403

Document Number: 31569

IHEER ID: 2595

Document Type: Undetermined

Document Title: Low Priority Notification Letter

Feb 5, 1999 **Document Date: Document Number:** 31568

IHEER ID: 2595

Document Type: Undetermined

Memo Of Transfer Of Ust Site To Ust Section Document Title:

Document Date: Feb 5, 1999 **Document Number:** 31567

IHEER ID: 2595

Document Type: Undetermined

Document Title: Memo Of Transfer Of Ust Site To Ust Section

Document Date: Feb 5, 1999 **Document Number:** 31566

12 **PACIFIC MACHINERY** RCRA-VSQG 1000252022 **NNE** 94-025 FARRINGTON HWY SHWS HID981651698

1/2-1 **WAIPAHU, HI 96797** LUST 0.875 mi. UST 4620 ft. **SPILLS Financial Assurance**

Relative: **HWP** Higher

RCRA Listings: Actual:

Date Form Received by Agency: 20140214 56 ft. Handler Name: Pacific Machinery

> 94-025 Farrington Hwy Handler Address: WAIPAHU, HI 96797 Handler City, State, Zip: EPA ID: HID981651698 Contact Name: RICHARD E LENTES Contact Address: 94-025 FARRINGTON HWY

Contact City, State, Zip: WAIPAHU, HI 96797 Contact Telephone: 808-676-0290 808-674-7000 Contact Fax:

Contact Email: RLENTES@HAWTHORNECAT.COM

Contact Title: **EHS/FACILITIES REP**

EPA Region: 09 Land Type: Private

Federal Waste Generator Description: Conditionally Exempt Small Quantity Generator

Non-Notifier: Not reported Biennial Report Cycle: Not reported Accessibility: Not reported Active Site Indicator: Handler Activities State District Owner: Not reported State District: Not reported

94-025 FARRINGTON HWY Mailing Address: Mailing City, State, Zip: WAIPAHU, HI 96797

Owner Name: Hawthorne Machinery Company Owner Type: Private

Operator Name: Hawthorne Pacific Corporation

Operator Type: Private Short-Term Generator Activity: No

Distance Elevation

EDR ID Number on Site Database(s) EPA ID Number

PACIFIC MACHINERY (Continued)

1000252022

Importer Activity: No Mixed Waste Generator: No Transporter Activity: No Transfer Facility Activity: No Recycler Activity with Storage: No Small Quantity On-Site Burner Exemption: No Smelting Melting and Refining Furnace Exemption: No **Underground Injection Control:** Nο Off-Site Waste Receipt: No Universal Waste Indicator: No Universal Waste Destination Facility: No Federal Universal Waste: No Active Site State-Reg Handler:

Federal Facility Indicator: Not reported

Hazardous Secondary Material Indicator: N

Sub-Part K Indicator:

2018 GPRA Permit Baseline:

2018 GPRA Renewals Baseline:

Not on the Baseline

Not on the Baseline

202 GPRA Corrective Action Baseline:

Subject to Corrective Action Universe:

No
Non-TSDFs Where RCRA CA has Been Imposed Universe:

No

Corrective Action Priority Ranking: No NCAPS ranking

Environmental Control Indicator: No Institutional Control Indicator: No Human Exposure Controls Indicator: N/A Groundwater Controls Indicator: N/A Significant Non-Complier Universe: Nο Unaddressed Significant Non-Complier Universe: No Addressed Significant Non-Complier Universe: No Significant Non-Complier With a Compliance Schedule Universe: No

Financial Assurance Required:

Handler Date of Last Change:

Not reported
20140214

Recognized Trader-Importer:NoRecognized Trader-Exporter:NoImporter of Spent Lead Acid Batteries:NoExporter of Spent Lead Acid Batteries:NoRecycler Activity Without Storage:NoManifest Broker:NoSub-Part P Indicator:No

Hazardous Waste Summary:

Waste Code: D001

Waste Description: Ignitable Waste

Waste Code: D002

Waste Description: Corrosive Waste

Waste Code: D008
Waste Description: Lead

Waste Code: U103

Waste Description: Dimethyl Sulfate (Or) Sulfuric Acid, Dimethyl Ester

Waste Code: U359

Waste Description: Ethanol, 2-Ethoxy- (Or) Ethylene Glycol Monoethyl Ether

Direction Distance Elevation

on Site Database(s) EPA ID Number

PACIFIC MACHINERY (Continued)

1000252022

EDR ID Number

Handler - Owner Operator:

Owner/Operator Indicator: Operator

Owner/Operator Name: NOT REQUIRED

Legal Status: Private
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: NOT REQUIRED

Owner/Operator City, State, Zip: NOT REQUIRED, ME 99999

Owner/Operator Telephone: 415-555-1212
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner

Owner/Operator Name: BANKERS LIFE OF NEB

Legal Status: Private
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: NOT REQUIRED

Owner/Operator City, State, Zip: NOT REQUIRED, ME 99999

Owner/Operator Telephone: 415-555-1212
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator:
Owner/Operator Name: HAWTHORNE MACHINERY COMPANY
Legal Status:
Private
Date Became Current:
Date Ended Current:
Not reported

Owner/Operator Address: 16945 CAMINO SAN BERNARDO

Owner/Operator City, State, Zip: SAN DIEGO, CA 92127

 Owner/Operator Telephone:
 858-674-7000

 Owner/Operator Telephone Ext:
 Not reported

 Owner/Operator Fax:
 Not reported

 Owner/Operator Email:
 Not reported

Owner/Operator Indicator:
Owner/Operator Name: HAWTHORNE PACIFIC CORPORATION
Legal Status:
Private
Date Became Current:
Date Ended Current:
Owner/Operator Address:
Owner/Operator City, State, Zip:
HI
Operator
O

Owner/Operator Telephone:

Owner/Operator Telephone Ext:

Owner/Operator Fax:

Owner/Operator Email:

Not reported

Not reported

Not reported

Historic Generators:

Receive Date: 19870306

Handler Name: PACIFIC MACHINERY

Federal Waste Generator Description: Small Quantity Generator

State District Owner: Not reported

Large Quantity Handler of Universal Waste: No Recognized Trader Importer: No

Distance

Elevation Site Database(s) EPA ID Number

PACIFIC MACHINERY (Continued)

1000252022

EDR ID Number

Recognized Trader Exporter:

No
Spent Lead Acid Battery Importer:

No
Spent Lead Acid Battery Exporter:

No
Current Record:

No

Non Storage Recycler Activity: Not reported Electronic Manifest Broker: Not reported

Receive Date: 20140214

Handler Name: PACIFIC MACHINERY

Federal Waste Generator Description: Very Small Quantity Generator (formerly Conditionally-Exempt Small

Quantity Generator

State District Owner: Not reported

Large Quantity Handler of Universal Waste: No Recognized Trader Importer: No Recognized Trader Exporter: No Spent Lead Acid Battery Importer: No Spent Lead Acid Battery Exporter: No Current Record: Yes

Non Storage Recycler Activity: Not reported Electronic Manifest Broker: Not reported

Receive Date: 19900306

Handler Name: PACIFIC MACHINERY

Federal Waste Generator Description: Large Quantity Generator

State District Owner: Not reported

Large Quantity Handler of Universal Waste:

Recognized Trader Importer:

No
Recognized Trader Exporter:

No
Spent Lead Acid Battery Importer:

No
Spent Lead Acid Battery Exporter:

No
Current Record:

No

Non Storage Recycler Activity: Not reported Electronic Manifest Broker: Not reported

Receive Date: 19940224

Handler Name: PACIFIC MACHINERY

Federal Waste Generator Description: Large Quantity Generator

State District Owner: Not reported

Large Quantity Handler of Universal Waste: No Recognized Trader Importer: No Recognized Trader Exporter: No Spent Lead Acid Battery Importer: No Spent Lead Acid Battery Exporter: No Current Record: No

Non Storage Recycler Activity: Not reported Electronic Manifest Broker: Not reported

Receive Date: 19960228

Handler Name: PACIFIC MACHINERY

Federal Waste Generator Description: Large Quantity Generator

State District Owner: Not reported

Large Quantity Handler of Universal Waste:

Recognized Trader Importer:

No
Recognized Trader Exporter:

No
Spent Lead Acid Battery Importer:

No
Spent Lead Acid Battery Exporter:

No
Current Record:

No

Direction Distance Elevation

stance EDR ID Number evation Site Database(s) EPA ID Number

PACIFIC MACHINERY (Continued)

1000252022

Non Storage Recycler Activity: Not reported Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:

NAICS Code: 333111

NAICS Description: Farm Machinery And Equipment Manufacturing

NAICS Code: 333112

NAICS Description: Lawn And Garden Tractor And Home Lawn And Garden Equipment

Manufacturing

NAICS Code: 33312

NAICS Description: Construction Machinery Manufacturing

NAICS Code: 336211

NAICS Description: Motor Vehicle Body Manufacturing

NAICS Code: 532412

NAICS Description: Construction, Mining, And Forestry Machinery And Equipment Rental And

Leasing

NAICS Code: 811310

NAICS Description: Commercial And Industrial Machinery And Equipment (Except Automotive

And Electronic) Repair And Maintenance

Has the Facility Received Notices of Violations:

Found Violation: Yes
Agency Which Determined Violation: State

Violation Short Description: Universal Waste - Small Quantity Handlers

Date Violation was Determined: 20131022 Actual Return to Compliance Date: 20131205 Return to Compliance Qualifier: Documented Violation Responsible Agency: State Scheduled Compliance Date: Not reported Enforcement Identifier: 001 20131022 Date of Enforcement Action: Enforcement Responsible Agency: State **Enforcement Docket Number:** Not reported

Enforcement Attorney: Not reported Corrective Action Component: No

Appeal Initiated Date:
Appeal Resolution Date:
Disposition Status Date:
Disposition Status:
Not reported

Consent/Final Order Sequence Number:Not reported

Consent/Final Order Respondent Name: Not reported Consent/Final Order Lead Agency: Not reported Enforcement Type: WRITTEN INFORMAL

Enforcement Responsible Person: TBRAN
Enforcement Responsible Sub-Organization: Not reported

SEP Sequence Number: Not reported

SEP Expenditure Amount:
SEP Scheduled Completion Date:
Not reported
SEP Actual Date:
Not reported
SEP Defaulted Date:
Not reported
Not reported

Distance Elevation Site

ite Database(s) EPA ID Number

PACIFIC MACHINERY (Continued)

1000252022

EDR ID Number

SEP Type:
SEP Type Description:
Proposed Amount:
Not reported
Prinal Monetary Amount:
Not reported
Paid Amount:
Not reported
Paid Count:
Not reported

Found Violation: Yes Agency Which Determined Violation: State

Violation Short Description: Universal Waste - Small Quantity Handlers

Date Violation was Determined: 20131022 Actual Return to Compliance Date: 20131205 Return to Compliance Qualifier: Documented Violation Responsible Agency: State Scheduled Compliance Date: Not reported Enforcement Identifier: 001 20131022 Date of Enforcement Action: Enforcement Responsible Agency: State **Enforcement Docket Number:** Not reported Enforcement Attorney: Not reported

Corrective Action Component: No

Appeal Initiated Date:

Appeal Resolution Date:

Disposition Status Date:

Disposition Status:

Not reported

Consent/Final Order Sequence Number:Not reported

Consent/Final Order Respondent Name: Not reported Consent/Final Order Lead Agency: Not reported

Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: TBRAN
Enforcement Responsible Sub-Organization: Not reported

SEP Sequence Number: Not reported

SEP Expenditure Amount: Not reported SEP Scheduled Completion Date: Not reported SEP Actual Date: Not reported SEP Defaulted Date: Not reported SEP Type: Not reported SEP Type Description: Not reported Proposed Amount: Not reported Final Monetary Amount: Not reported Paid Amount: Not reported Final Count: Not reported Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State

Violation Short Description: Generators - General

Date Violation was Determined: 20131022 Actual Return to Compliance Date: 20131205 Return to Compliance Qualifier: Documented Violation Responsible Agency: State Scheduled Compliance Date: Not reported Enforcement Identifier: 001 20131022 Date of Enforcement Action: Enforcement Responsible Agency: State

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

PACIFIC MACHINERY (Continued)

1000252022

Enforcement Docket Number: Not reported Not reported Enforcement Attorney:

Corrective Action Component: No

Not reported Appeal Initiated Date: Appeal Resolution Date: Not reported Not reported Disposition Status Date: **Disposition Status:** Not reported Disposition Status Description: Not reported

Consent/Final Order Sequence Number:Not reported

Consent/Final Order Respondent Name: Not reported Consent/Final Order Lead Agency: Not reported

Enforcement Type: WRITTEN INFORMAL Enforcement Responsible Person: **TBRAN** Enforcement Responsible Sub-Organization: Not reported

SEP Sequence Number: Not reported

SEP Expenditure Amount: Not reported SEP Scheduled Completion Date: Not reported SEP Actual Date: Not reported SEP Defaulted Date: Not reported SEP Type: Not reported SEP Type Description: Not reported Proposed Amount: Not reported Not reported Final Monetary Amount: Paid Amount: Not reported Final Count: Not reported Final Amount: Not reported

Found Violation: Yes Agency Which Determined Violation: State

Violation Short Description: Universal Waste - Small Quantity Handlers

Date Violation was Determined: 20131022 Actual Return to Compliance Date: 20131205 Return to Compliance Qualifier: Documented Violation Responsible Agency: State Scheduled Compliance Date: Not reported Enforcement Identifier: 001 20131022 Date of Enforcement Action: Enforcement Responsible Agency: State **Enforcement Docket Number:** Not reported **Enforcement Attorney:** Not reported

Corrective Action Component: No

Appeal Initiated Date: Not reported Appeal Resolution Date: Not reported Disposition Status Date: Not reported **Disposition Status:** Not reported Disposition Status Description: Not reported

Consent/Final Order Sequence Number:Not reported

Consent/Final Order Respondent Name: Not reported Consent/Final Order Lead Agency: Not reported WRITTEN INFORMAL **Enforcement Type:**

Enforcement Responsible Person: **TBRAN** Enforcement Responsible Sub-Organization: Not reported

SEP Sequence Number: Not reported

SEP Expenditure Amount: Not reported SEP Scheduled Completion Date: Not reported SEP Actual Date: Not reported SEP Defaulted Date: Not reported

Distance
Elevation Site Database(s)

PACIFIC MACHINERY (Continued)

1000252022

EDR ID Number

EPA ID Number

SEP Type:
SEP Type Description:
Proposed Amount:
Not reported
Prinal Monetary Amount:
Not reported
Paid Amount:
Not reported
Paid Count:
Not reported

Found Violation: Yes Agency Which Determined Violation: State

Violation Short Description: Used Oil - Generators

Date Violation was Determined: 20131022 Actual Return to Compliance Date: 20131205 Return to Compliance Qualifier: Documented Violation Responsible Agency: State Scheduled Compliance Date: Not reported Enforcement Identifier: 001 20131022 Date of Enforcement Action: Enforcement Responsible Agency: State

Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported

Corrective Action Component: No

Appeal Initiated Date:

Appeal Resolution Date:

Disposition Status Date:

Disposition Status:

Not reported

Consent/Final Order Sequence Number:Not reported

Consent/Final Order Respondent Name: Not reported Consent/Final Order Lead Agency: Not reported

Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: TBRAN
Enforcement Responsible Sub-Organization: Not reported

SEP Sequence Number: Not reported

SEP Expenditure Amount: Not reported SEP Scheduled Completion Date: Not reported SEP Actual Date: Not reported SEP Defaulted Date: Not reported SEP Type: Not reported SEP Type Description: Not reported Proposed Amount: Not reported Not reported Final Monetary Amount: Paid Amount: Not reported Final Count: Not reported Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State

Violation Short Description: Used Oil - Generators

Date Violation was Determined: 20080507 Actual Return to Compliance Date: 20080630 Return to Compliance Qualifier: Documented Violation Responsible Agency: State Scheduled Compliance Date: Not reported Enforcement Identifier: 001 20080512 Date of Enforcement Action: Enforcement Responsible Agency: State

MAP FINDINGS Map ID Direction

Distance Elevation

EDR ID Number Site Database(s) **EPA ID Number**

PACIFIC MACHINERY (Continued)

1000252022

Enforcement Docket Number: Not reported Not reported Enforcement Attorney:

Corrective Action Component: No

Not reported Appeal Initiated Date: Appeal Resolution Date: Not reported Not reported Disposition Status Date: **Disposition Status:** Not reported Disposition Status Description: Not reported

Consent/Final Order Sequence Number:Not reported

Consent/Final Order Respondent Name: Not reported Consent/Final Order Lead Agency: Not reported

Enforcement Type: WRITTEN INFORMAL Enforcement Responsible Person: **TBRAN** Enforcement Responsible Sub-Organization: Not reported

SEP Sequence Number: Not reported

SEP Expenditure Amount: Not reported SEP Scheduled Completion Date: Not reported SEP Actual Date: Not reported SEP Defaulted Date: Not reported SEP Type: Not reported SEP Type Description: Not reported Proposed Amount: Not reported Not reported Final Monetary Amount: Paid Amount: Not reported Final Count: Not reported Final Amount: Not reported

Found Violation: Yes Agency Which Determined Violation: State

Violation Short Description: Generators - General

Date Violation was Determined: 20080512 Actual Return to Compliance Date: 20080630 Return to Compliance Qualifier: Documented Violation Responsible Agency: State Scheduled Compliance Date: Not reported Enforcement Identifier: 001 20080512 Date of Enforcement Action: Enforcement Responsible Agency: State **Enforcement Docket Number:** Not reported **Enforcement Attorney:** Not reported Nο

Corrective Action Component:

Not reported Appeal Initiated Date: Appeal Resolution Date: Not reported Disposition Status Date: Not reported Disposition Status: Not reported Disposition Status Description: Not reported

Consent/Final Order Sequence Number:Not reported

Consent/Final Order Respondent Name: Not reported Consent/Final Order Lead Agency: Not reported **Enforcement Type:** WRITTEN INFORMAL

Enforcement Responsible Person: **TBRAN** Enforcement Responsible Sub-Organization: Not reported

SEP Sequence Number: Not reported

SEP Expenditure Amount: Not reported SEP Scheduled Completion Date: Not reported SEP Actual Date: Not reported SEP Defaulted Date: Not reported

Distance
Elevation Site

PACIFIC MACHINERY (Continued)

SEP Type Description:

Proposed Amount:

SEP Type:

Database(s) EPA ID Number

1000252022

EDR ID Number

Final Monetary Amount:

Paid Amount:

Not reported

Found Violation: Yes
Agency Which Determined Violation: State

Violation Short Description: Used Oil - Generators

Not reported Not reported

Not reported

Date Violation was Determined:20080507Actual Return to Compliance Date:20080630Return to Compliance Qualifier:DocumentedViolation Responsible Agency:StateScheduled Compliance Date:Not reportedEnforcement Identifier:001

Date of Enforcement Action:

Enforcement Responsible Agency:

Enforcement Docket Number:

State

Not reported

Enforcement Attorney:

Not reported

Corrective Action Component: No

Appeal Initiated Date:

Appeal Resolution Date:

Disposition Status Date:

Disposition Status:

Disposition Status Description:

Not reported

Not reported

Not reported

Consent/Final Order Sequence Number:Not reported

Consent/Final Order Respondent Name: Not reported Consent/Final Order Lead Agency: Not reported Enforcement Type: WRITTEN INFORMAL

Enforcement Responsible Person: TBRAN
Enforcement Responsible Sub-Organization: Not reported

SEP Sequence Number: Not reported

SEP Expenditure Amount: Not reported SEP Scheduled Completion Date: Not reported SEP Actual Date: Not reported SEP Defaulted Date: Not reported SEP Type: Not reported SEP Type Description: Not reported Not reported Proposed Amount: Final Monetary Amount: Not reported Paid Amount: Not reported Final Count: Not reported Final Amount: Not reported

Found Violation: No

Agency Which Determined Violation: Not reported Violation Short Description: Not reported Not reported Date Violation was Determined: Actual Return to Compliance Date: Not reported Return to Compliance Qualifier: Not reported Not reported Violation Responsible Agency: Scheduled Compliance Date: Not reported Enforcement Identifier: Not reported Date of Enforcement Action: Not reported Enforcement Responsible Agency: Not reported

Direction Distance Elevation

Site Database(s) EPA ID Number

PACIFIC MACHINERY (Continued)

1000252022

EDR ID Number

Enforcement Docket Number: Not reported Not reported Enforcement Attorney: Corrective Action Component: Not reported Appeal Initiated Date: Not reported Appeal Resolution Date: Not reported Disposition Status Date: Not reported Disposition Status: Not reported Disposition Status Description: Not reported

Consent/Final Order Sequence Number:Not reported

Consent/Final Order Respondent Name: Not reported Consent/Final Order Lead Agency: Not reported

Enforcement Type: Not reported

Enforcement Responsible Person:

Enforcement Responsible Sub-Organization:

Not reported

Not reported

SEP Sequence Number: Not reported

SEP Expenditure Amount: Not reported SEP Scheduled Completion Date: Not reported SEP Actual Date: Not reported SEP Defaulted Date: Not reported SEP Type: Not reported SEP Type Description: Not reported Proposed Amount: Not reported Final Monetary Amount: Not reported Paid Amount: Not reported Final Count: Not reported Final Amount: Not reported

Evaluation Action Summary:

Evaluation Date: 20130913
Evaluation Responsible Agency: State
Found Violation: Yes

Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION

Evaluation Responsible Person Identifier: **TBRAN Evaluation Responsible Sub-Organization:** Not reported Actual Return to Compliance Date: 20131205 Scheduled Compliance Date: Not reported Not reported Date of Request: Date Response Received: Not reported Request Agency: Not reported Former Citation: Not reported

Evaluation Date: 20130913
Evaluation Responsible Agency: State
Found Violation: Yes

Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION

Evaluation Responsible Person Identifier: **TBRAN** Evaluation Responsible Sub-Organization: Not reported Actual Return to Compliance Date: 20131205 Scheduled Compliance Date: Not reported Date of Request: Not reported Date Response Received: Not reported Request Agency: Not reported Former Citation: Not reported

Evaluation Date: 20130913
Evaluation Responsible Agency: State
Found Violation: Yes

Map ID MAP FINDINGS
Direction

Distance

Elevation Site Database(s) EPA ID Number

PACIFIC MACHINERY (Continued)

1000252022

EDR ID Number

Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION

Evaluation Responsible Person Identifier: **TBRAN** Evaluation Responsible Sub-Organization: Not reported Actual Return to Compliance Date: 20131205 Scheduled Compliance Date: Not reported Date of Request: Not reported Not reported Date Response Received: Request Agency: Not reported Former Citation: Not reported

Evaluation Date: 20130913
Evaluation Responsible Agency: State
Found Violation: Yes

Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION

Evaluation Responsible Person Identifier: **TBRAN** Evaluation Responsible Sub-Organization: Not reported Actual Return to Compliance Date: 20131205 Scheduled Compliance Date: Not reported Date of Request: Not reported Date Response Received: Not reported Request Agency: Not reported Former Citation: Not reported

Evaluation Date: 20130913
Evaluation Responsible Agency: State
Found Violation: Yes

Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION

Evaluation Responsible Person Identifier: **TBRAN** Evaluation Responsible Sub-Organization: Not reported Actual Return to Compliance Date: 20131205 Scheduled Compliance Date: Not reported Date of Request: Not reported Date Response Received: Not reported Not reported Request Agency: Former Citation: Not reported

Evaluation Date: 20080207
Evaluation Responsible Agency: State
Found Violation: Yes

Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION

Evaluation Responsible Person Identifier: **TBRAN** Evaluation Responsible Sub-Organization: Not reported Actual Return to Compliance Date: 20080630 Not reported Scheduled Compliance Date: Not reported Date of Request: Date Response Received: Not reported Request Agency: Not reported Former Citation: Not reported

Evaluation Date: 20080207
Evaluation Responsible Agency: State
Found Violation: Yes

Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION

Evaluation Responsible Person Identifier: TBRAN
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 20080630
Scheduled Compliance Date: Not reported

Map ID MAP FINDINGS
Direction

Distance Elevation Site

ion Site Database(s) EPA ID Number

PACIFIC MACHINERY (Continued)

1000252022

EDR ID Number

Date of Request:

Date Response Received:

Request Agency:

Former Citation:

Not reported

Not reported

Not reported

Not reported

Evaluation Date: 20080207
Evaluation Responsible Agency: State
Found Violation: Yes

Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION

Evaluation Responsible Person Identifier: **TBRAN** Evaluation Responsible Sub-Organization: Not reported Actual Return to Compliance Date: 20080630 Scheduled Compliance Date: Not reported Date of Request: Not reported Date Response Received: Not reported Request Agency: Not reported Former Citation: Not reported

Evaluation Date: 19940628
Evaluation Responsible Agency: State
Found Violation: No

Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION

Evaluation Responsible Person Identifier: R9

Evaluation Responsible Sub-Organization:

Actual Return to Compliance Date:

Not reported
Scheduled Compliance Date:

Not reported
Date of Request:

Not reported
Date Response Received:

Request Agency:

Not reported
Not reported
Not reported
Not reported
Not reported
Not reported

SHWS:

IHEER ID: 2720

Name: HAWTHORNE PACIFIC CORPORATION

Address: 94-025 FARRINGTON HWY

Address 2: Not reported
City,State,Zip: WAIPAHU, HI 96797
Zip 2: Not reported
Lead Agency: HEER Office
HID Number: Not reported
Island: Oahu

Environmental Interest: Hawthorne Pacific Corporation

Project Manager: Not reported Hazard Priority: Unranked Facility Registry Identifier: Not reported

Location Description: 94-025 Farrington Hwy

Supplemental Location: 94-025 and 94-031 Farrington Hwy

Potential Hazards And Controls: No Hazard

Assessment: Response Necessary

Nature of Contamination: Not reported

Nature of Residual Contamination: TPH diesel & gas remain in soil at concentrations below HDOH EALS for

nuisance concerns.

Use Restrictions: No Hazard Present for Unrestricted Residential Use

Program: State
Description of Restrictions: Not reported
Action Completion Date: 08/26/2008

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

PACIFIC MACHINERY (Continued)

1000252022

Within Designated Areawide ContaminationNot reported

Response Complete Response:

Contact Information: (808) 586-4249 2385 Waimano Home Rd, Pearl City, HI 96782

Engineering Control: Not reported Institutional Control: Not reported Is Public: Not reported 01/18/2020 Update On: Status name: NFA

Honolulu High-Capacity Transit Corridor Project; Pacific Machinery, Aliases:

Inc. Farrington Highway

194048019; 194048025; Tax Map Keys:

Latitude: 21.37571 Longitude: -158.024724

SHWS:

IHEER ID: 2720

Document Type: No Further Action Determination Letter

Document Title: Site Remediation Sludge-Spreading Area Hawthorne Pacific Corporation,

Waipahu Hi

Document Date: Aug 26, 2008 Document Number: 52637

IHEER ID: 2720

Document Type: Undetermined

Document Title: Site Remediation Sludge-Spreading Area Hawthorne Pacific Corporation,

Waipahu Hi

Document Date: Aug 12, 2008 15562 Document Number:

IHEER ID: 2720

Document Type: Undetermined

Document Title: Draft Site Characterization Report And Remediation Plan, Former

Sludge-Spreading Area, Hawthorne Pacific, Waipahu Hi

Document Date: Jul 8, 2008 52648 Document Number:

2720 IHEER ID:

Document Type: Undetermined

Document Title: Draft Site Characterization Report And Remediation Plan, Former

Sludge-Spreading Area, Hawthorne Pacific, Waipahu Hi

Document Date: Jul 3, 2008 **Document Number:** 52646

IHEER ID: 2720

Document Type: Undetermined

Document Title: Environmental Soil Assessment Hawthorne Pacific Corporation, 94-025

Farrington Hwy, Waipahu Hi

Document Date: Feb 29, 2008 **Document Number:** 52647

IHEER ID: 2720

Document Type: Undetermined

Document Title: Release Reporting And No Further Action Determination Hawthorne

Pacific Corporation, 94-025 Farrington Hwy, Waipahu Hi, Tmk

1-9-4-048-019 And 025

Document Date: Sep 7, 2006 **Document Number:** 14919

Direction Distance

EDR ID Number Elevation **EPA ID Number** Site Database(s)

PACIFIC MACHINERY (Continued)

1000252022

IHEER ID: 2720

Document Type: Undetermined

Document Title: Environmental Soil Assessment Hawthorne Pacific Corporation, 94-025

Farrington Hwy, Waipahu Hi

Document Date: Aug 22, 2006 Document Number: 52645

IHEER ID: 2720

Document Type: Undetermined

Document Title: Limited Phase Ii Environmental Assessment, Pacific Machinery Inc,

94-025 And 94-031 Farrington Hwy, Tmk 1-9-4-048-019 And 025, Waipahu,

Oahu Hi

Document Date: Dec 26, 2003 **Document Number:** 52639

IHEER ID: 2720

Document Type: Undetermined

Document Title: Limited Phase li Environmental Assessment, Pacific Machinery Inc.

94-025 And 94-031 Farrington Hwy, Tmk 1-9-4-048-019 And 025, Waipahu,

Oahu Hi

Document Date: Dec 26, 2003 Document Number: 52641

2720 IHEER ID:

Document Type: Undetermined

Document Title: Limited Phase Ii Environmental Assessment, Pacific Machinery Inc,

94-025 And 94-031 Farrington Hwy, Tmk 1-9-4-048-019 And 025, Waipahu,

Oahu Hi

Document Date: Dec 26, 2003 Document Number: 52643

IHEER ID: 2720

Document Type: Undetermined

Document Title: Limited Phase Ii Environmental Assessment, Pacific Machinery Inc,

94-025 And 94-031 Farrington Hwy, Tmk 1-9-4-048-019 And 025, Waipahu,

Oahu Hi

Dec 26, 2003 **Document Date: Document Number:** 52640

2720 IHEER ID:

Document Type: Undetermined

Document Title: Limited Phase li Environmental Assessment, Pacific Machinery Inc,

94-025 And 94-031 Farrington Hwy, Tmk 1-9-4-048-019 And 025, Waipahu,

Oahu Hi

Document Date: Dec 26, 2003 52642 **Document Number:**

IHEER ID: 2720

Document Type: Undetermined

Document Title: Limited Phase Ii Environmental Assessment, Pacific Machinery Inc,

94-025 And 94-031 Farrington Hwy, Tmk 1-9-4-048-019 And 025, Waipahu,

Oahu Hi

Dec 26, 2003 Document Date: 52644 Document Number:

IHEER ID: 2720

Document Type: Undetermined

Direction Distance

Elevation Site Database(s) EPA ID Number

PACIFIC MACHINERY (Continued)

1000252022

EDR ID Number

Document Title: Phase I Esa, Pacific Machinery Inc, 94-025 And 94-031 Farrington Hwy,

Tmk 1-9-4-048-019 And 025, Waipahu, Oahu Hi

Document Date: Sep 16, 2003 Document Number: 52636

LUST:

Name: PACIFIC MACHINERY
Address: 94-025 FARRINGTON HWY

City, State, Zip: WAIPAHU, HI 96797

Facility ID: 9-200846

Facility Status: Site Cleanup Completed (NFA)

Facility Status Date: 03/09/2004
Release ID: 040023
Project Officer: Shunsheng Fu

Name: PACIFIC MACHINERY
Address: 94-025 FARRINGTON HWY
City, State, Zip: WAIPAHU, HI 96797

Facility ID: 9-200846

Facility Status: Site Cleanup Completed (NFA)

Facility Status Date: 06/17/1999
Release ID: 990099
Project Officer: Shunsheng Fu

Name: PACIFIC MACHINERY
Address: 94-025 FARRINGTON HWY
City,State,Zip: WAIPAHU, HI 96797

Facility ID: 9-200846

Facility Status: Site Cleanup Completed (NFA)

Facility Status Date: 08/31/1995
Release ID: 940037
Project Officer: Shunsheng Fu

UST:

Name: PACIFIC MACHINERY
Address: 94-025 Farrington Hwy
City,State,Zip: WAIPAHU, HI 96797

Facility ID: 9-200846

Owner: PACIFIC MACHINERY

Owner Address: Not reported

Owner City,St,Zip: Waipahu, 96797 96797

Latitude: 21.376274
Longitude: -158.025416
Horizontal Reference Datum Name: NAD83

Horizontal Collection Method Name: Address Matching

Tank ID: R-1

Date Installed: 03/27/1970

Tank Status: Permanently Out of Use

Date Closed: 11/02/1998
Tank Capacity: 1000
Substance: Gasoline

Name: PACIFIC MACHINERY Address: 94-025 Farrington Hwy

Direction Distance Elevation

ance EDR ID Number vation Site Database(s) EPA ID Number

PACIFIC MACHINERY (Continued)

1000252022

City, State, Zip: WAIPAHU, HI 96797

Tank ID: R-2
Date Installed: 03/27/1970

Tank Status: Permanently Out of Use

Date Closed: 11/02/1998
Tank Capacity: 1000
Substance: Diesel

Name: PACIFIC MACHINERY
Address: 94-025 Farrington Hwy
City, State, Zip: WAIPAHU, HI 96797

Tank ID: R-3
Date Installed: 03/27/1970

Tank Status: Permanently Out of Use

Date Closed:11/02/1998Tank Capacity:1000Substance:Diesel

Name:PACIFIC MACHINERYAddress:94-025 Farrington HwyCity,State,Zip:WAIPAHU, HI 96797

Tank ID: R-5
Date Installed: 12/30/1966

Tank Status: Permanently Out of Use

Date Closed: 12/30/1990
Tank Capacity: 5000
Substance: Diesel

Name: PACIFIC MACHINERY
Address: 94-025 Farrington Hwy
City, State, Zip: WAIPAHU, HI 96797

Tank ID: R-6
Date Installed: 01/01/1960

Tank Status: Permanently Out of Use

Date Closed: 01/20/1993
Tank Capacity: 550
Substance: Used Oil

SPILLS:

Name: HAWTHORNE PACIFIC CORPORATION

Address: 94-025 FARRINGTON HWY

Address 2: Not reported City, State, Zip: WAIPAHU, HI 96797

Island: Oahu

Supplemental Loc. Text: 94-025 and 94-031 Farrington Hwy

Case Number: 19981117-0954
Facility Registry ID: Not reported
HID Number: Not reported
Lead and Program: HEER EP&R
ER: Not reported
Less Or Greater Than: Not reported

Units: Pacific Machinery Inc Activity Type: Response

Direction Distance

Elevation Site Database(s) EPA ID Number

PACIFIC MACHINERY (Continued)

1000252022

EDR ID Number

Activity Lead: Liz Galvez
Assignment End Date: Not reported
Result: SOSC NFA

File Under: Hawthorne Pacific Corporation

Substances: Ethyl Benzene Not reported Quanity: Not reported Units: Not reported Reported Date: Release Date: Not reported Release Duration: Not reported Media: Not reported Waterbody: Not reported Summary: Not reported

Is Noteworthy for Reports: Not reported Is the Release a Fugitive Dumping: Not reported Tax Map Key: Not reported Assigned SOSC: Not reported Notified Agencies: Not reported Response Measures Taken: Not reported Incident Report Number: Not reported Coordination Needed: Not reported Tier II Facility: Not reported RMP: Not reported Not reported Follow-up Received On: Cost Recovery: Not reported Invoice To: Not reported Closed Date: Not reported Comments: Not reported 21.376666 Latitude: -158.024731 Longitude:

Name: HAWTHORNE PACIFIC CORPORATION

Address: 94-025 FARRINGTON HWY

Address 2: Not reported City, State, Zip: WAIPAHU, HI 96797

Island: Oahu

Supplemental Loc. Text: 94-025 and 94-031 Farrington Hwy

Case Number: 19981117-0954
Facility Registry ID: Not reported
HID Number: Not reported
Lead and Program: HEER EP&R
ER: Not reported
Less Or Greater Than: Not reported

Less Or Greater Than: Not reported Units: Pacific Machinery Inc

Activity Type: Response
Activity Lead: Liz Galvez
Assignment End Date: Not reported
Result: SOSC NFA

File Under: Hawthorne Pacific Corporation

Substances: Ethyl Benzene
Quanity: Not reported
Units: Not reported
Reported Date: Not reported
Release Date: Not reported
Release Duration: Not reported
Media: Not reported

Elevation Site

Distance

Site Database(s) EPA ID Number

PACIFIC MACHINERY (Continued)

1000252022

EDR ID Number

Waterbody: Not reported Summary: Not reported

Is Noteworthy for Reports: Not reported Is the Release a Fugitive Dumping: Not reported Not reported Tax Map Key: Assigned SOSC: Not reported Notified Agencies: Not reported Response Measures Taken: Not reported Incident Report Number: Not reported Coordination Needed: Not reported Tier II Facility: Not reported RMP: Not reported Follow-up Received On: Not reported Cost Recovery: Not reported Invoice To: Not reported Closed Date: Not reported Comments: Not reported

Latitude: 21.422537999999999 Longitude: -158.03065000000001

Name: HAWTHORNE PACIFIC CORPORATION

Address: 94-025 FARRINGTON HWY

Address 2: Not reported

City, State, Zip: WAIPAHU, HI 96797

Island: Oahu

Supplemental Loc. Text: 94-025 and 94-031 Farrington Hwy

Case Number: 19981117-0954
Facility Registry ID: Not reported
HID Number: Not reported
Lead and Program: HEER EP&R
ER: Not reported
Less Or Greater Than: Not reported

Units: Pacific Machinery Inc

Activity Type: Response
Activity Lead: Liz Galvez
Assignment End Date: Not reported
Result: SOSC NFA

File Under: Hawthorne Pacific Corporation

Substances: Ethyl Benzene Quanity: Not reported Not reported Units: Reported Date: Not reported Release Date: Not reported Release Duration: Not reported Media: Not reported Waterbody: Not reported Summary: Not reported

Is Noteworthy for Reports: Not reported Is the Release a Fugitive Dumping: Not reported Tax Map Key: Not reported Assigned SOSC: Not reported Notified Agencies: Not reported Response Measures Taken: Not reported Incident Report Number: Not reported Coordination Needed: Not reported

Direction Distance Elevation

vation Site Database(s) EPA ID Number

PACIFIC MACHINERY (Continued)

1000252022

EDR ID Number

Tier II Facility: Not reported RMP: Not reported Follow-up Received On: Not reported Cost Recovery: Not reported Invoice To: Not reported Closed Date: Not reported Not reported Comments: Latitude: 21.37566

Longitude: -158.02473599999999

Name: HAWTHORNE PACIFIC CORPORATION

Address: 94-025 FARRINGTON HWY

Address 2: Not reported

City, State, Zip: WAIPAHU, HI 96797

Island: Oahu

Supplemental Loc. Text: 94-025 and 94-031 Farrington Hwy

Case Number: 19981117-0954
Facility Registry ID: Not reported
HID Number: Not reported
Lead and Program: HEER EP&R
ER: Not reported
Less Or Greater Than: Not reported

Units: Pacific Machinery Inc

Activity Type: Response
Activity Lead: Liz Galvez
Assignment End Date: Not reported
Result: SOSC NFA

File Under: Hawthorne Pacific Corporation

Ethyl Benzene Substances: Not reported Quanity: Not reported Units: Reported Date: Not reported Release Date: Not reported Release Duration: Not reported Not reported Media: Not reported Waterbody: Not reported Summary:

Is Noteworthy for Reports: Not reported Is the Release a Fugitive Dumping: Not reported Tax Map Key: Not reported Assigned SOSC: Not reported Notified Agencies: Not reported Not reported Response Measures Taken: Not reported Incident Report Number: Not reported Coordination Needed: Tier II Facility: Not reported RMP: Not reported Follow-up Received On: Not reported Cost Recovery: Not reported Not reported Invoice To: Closed Date: Not reported Not reported Comments: Latitude: 21.376697

Longitude: -158.02461099999999

Name: HAWTHORNE PACIFIC CORPORATION

MAP FINDINGS Map ID

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

PACIFIC MACHINERY (Continued)

1000252022

Address: 94-025 FARRINGTON HWY

Address 2: Not reported City,State,Zip: WAIPAHU, HI 96797

Island: Oahu

Supplemental Loc. Text: 94-025 and 94-031 Farrington Hwy

Case Number: 19981117-0954 Facility Registry ID: Not reported HID Number: Not reported Lead and Program: HEER EP&R ER: Not reported Less Or Greater Than: Not reported

Pacific Machinery Inc Units:

Activity Type: Response Activity Lead: Liz Galvez Assignment End Date: Not reported Result: SOSC NFA

File Under: Hawthorne Pacific Corporation

Substances: Ethyl Benzene Quanity: Not reported Units: Not reported Reported Date: Not reported Release Date: Not reported Release Duration: Not reported Media: Not reported Not reported Waterbody: Summary: Not reported

Is Noteworthy for Reports: Not reported Is the Release a Fugitive Dumping: Not reported Tax Map Key: Not reported Assigned SOSC: Not reported Notified Agencies: Not reported Response Measures Taken: Not reported Incident Report Number: Not reported Coordination Needed: Not reported Tier II Facility: Not reported RMP: Not reported Follow-up Received On: Not reported Cost Recovery: Not reported Invoice To: Not reported Closed Date: Not reported Comments: Not reported

Latitude: 21.375606999999999 Longitude: -158.02477200000001

HI Financial Assurance:

PACIFIC MACHINERY Name: Address: 94-025 Farrington Hwy City,State,Zip: WAIPAHU, HI 96797

Alt Facility ID: 9-200846 Tank Id: R-1

Permanently Out of Use Tank Status:

FRTYPE: Insurance **Expiration Date:** Not reported FR Archive: False

PACIFIC MACHINERY Name:

Direction Distance

Elevation Site Database(s) EPA ID Number

PACIFIC MACHINERY (Continued)

1000252022

EDR ID Number

Address: 94-025 Farrington Hwy City,State,Zip: WAIPAHU, HI 96797

Alt Facility ID: 9-200846 Tank Id: 9-200846

Tank Status: Permanently Out of Use

FRTYPE: Insurance
Expiration Date: Not reported
FR Archive: False

Name: PACIFIC MACHINERY
Address: 94-025 Farrington Hwy
City,State,Zip: WAIPAHU, HI 96797

Alt Facility ID: 9-200846 Tank Id: 8-3

Tank Status: Permanently Out of Use

FRTYPE: Insurance
Expiration Date: Not reported
FR Archive: False

Name: PACIFIC MACHINERY
Address: 94-025 Farrington Hwy
City, State, Zip: WAIPAHU, HI 96797

Alt Facility ID: 9-200846

Tank Id: R-5

Tank Status: Permanently Out of Use

FRTYPE: Insurance
Expiration Date: Not reported
FR Archive: False

Name: PACIFIC MACHINERY
Address: 94-025 Farrington Hwy
City, State, Zip: WAIPAHU, HI 96797

Alt Facility ID: 9-200846 Tank Id: R-6

Tank Status: Permanently Out of Use

FRTYPE: Insurance
Expiration Date: Not reported
FR Archive: False

HWP:

Handler ID: HID981651698 HW File Number: Not reported RCRA Number: Not reported

Name: PACIFIC MACHINERY
Address: 94-025 FARRINGTON HWY
City, State, Zip: WAIPAHU, HI 96797

Island: Not reported TMK: Not reported

Active Site: Y
Generator Status: VSG
Transporter: N
Universal Waste: N

Used Oil: NNNNNN

MAP FINDINGS Map ID

Direction Distance

Elevation Site Database(s) **EPA ID Number**

13 HART FARRINGTON HIGHWAY SEGMENT SHWS S128196070

HDOT FORT WEAVER RD-FARRINGTON HWY CLOVER LEAF YD NNE

WAIPAHU, HI 96797 1/2-1

0.979 mi. 5168 ft.

Relative: SHWS: Higher IHEER ID: 220

Facility Registry Identifier:

HART FARRINGTON HIGHWAY SEGMENT Name: Actual:

Address: HDOT FORT WEAVER RD-FARRINGTON HWY CLOVER LEAF YD 40 ft.

> Address 2: Not reported City, State, Zip: WAIPAHU, HI 96797 Zip 2: Not reported Lead Agency: **HEER Office** HID Number: Not reported Island: Oahu Environmental Interest: Not reported Project Manager: Lynn Bailey Hazard Priority: Unranked

Not reported Location Description: HDOT Fort Weaver Rd-Farrington Hwy Clover Leaf Yd

Supplemental Location: Not reported Potential Hazards And Controls: Not reported Assessment: Not reported Nature of Contamination: Not reported Nature of Residual Contamination: Not reported Use Restrictions: Not reported Program: State Not reported Description of Restrictions: Action Completion Date: Not reported Within Designated Areawide ContaminationNot reported Not reported Response: Contact Information: Not reported **Engineering Control:** Not reported Institutional Control: Not reported

Status name: **ASSESSMENT** Brownfields Low Priority Site; HART West Oahu Farrington Highway Aliases:

Not reported

09/20/2021

Guideway; HART West Oahu Segment; Honolulu High-Capacity Transit Corridor Project (HHCTCP); Honolulu Rail Transit Project (HRTP); HRTP

West Oahu Segment

Tax Map Keys: None found; Latitude: 21.377136 Longitude: -158.024919

SHWS:

Is Public:

Update On:

IHEER ID: 220

Document Type: Undetermined

Document Title: Environmental Hazard Evaluation And Environmental Hazard Management

Plan Maintenance And Storage Facility (Also Known As The Rail

Operations Center), Pearl City, Oahu, Hawaii

Document Date: Sep 1, 2018 **Document Number:** 170037

IHEER ID: 220

Document Type: Undetermined

Document Title: Environmental Hazard Evaluation And Environmental Hazard Management

Plan Maintenance And Storage Facility (Also Known As The Rail

Operations Center), Pearl City, Oahu, Hawaii

EDR ID Number

N/A

Direction Distance

Elevation Site Database(s) EPA ID Number

HART FARRINGTON HIGHWAY SEGMENT (Continued)

S128196070

EDR ID Number

Document Date: Sep 1, 2018
Document Number: 170036

IHEER ID: 220

Document Type: Undetermined

Document Title: Groundwater Management Plan For Construction Phase 3 Of The Honolulu

Rail Transit Project Honolulu Hi 96816

Document Date: Aug 20, 2018
Document Number: 170039

IHEER ID: 220

Document Type: Undetermined

Document Title: Groundwater Management Plan For Construction Phase 3 Of The Honolulu

Rail Transit Project Honolulu Hi 96816

Document Date: Aug 20, 2018
Document Number: 170038

IHEER ID: 220

Document Type: Undetermined

Document Title: Groundwater Management Plan For Construction Phase 3 Of The Honolulu

Rail Transit Project Honolulu Hi 96816

Document Date: Aug 20, 2018
Document Number: 170041

IHEER ID: 220

Document Type: Undetermined

Document Title: Groundwater Management Plan For Construction Phase 3 Of The Honolulu

Rail Transit Project Honolulu Hi 96816

Document Date: Aug 20, 2018
Document Number: 170040

IHEER ID: 220

Document Type: Undetermined

Document Title: Groundwater Management Plan For Construction Phase 3 Of The Honolulu

Rail Transit Project Honolulu Hi 96816

Document Date: Aug 20, 2018
Document Number: 170042

IHEER ID: 220

Document Type: Undetermined

Document Title: Honolulu Rail Transit Project, Work Plan Phase I And li Esas Of The

Northeastern Portion Of The University Of Hawaii (Uh) Urban Garden

Center Revision 1, Pearl City, Oahu Hi

Document Date: Oct 12, 2016
Document Number: 170035

IHEER ID: 220

Document Type: Undetermined

Document Title: Honolulu Rail Transit Project, Work Plan Phase I And Ii Esas Of The

Northeastern Portion Of The University Of Hawaii (Uh) Urban Garden

Center Revision 1, Pearl City, Oahu Hi

Document Date: Oct 12, 2016
Document Number: 170034

Count: 0 records. ORPHAN SUMMARY

City EDR ID Site Name Site Address Zip Database(s)

NO SITES FOUND

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

STANDARD ENVIRONMENTAL RECORDS

Lists of Federal NPL (Superfund) sites

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 06/26/2025 Source: EPA
Date Data Arrived at EDR: 07/01/2025 Telephone: N/A

Number of Days to Update: 16 Next Scheduled EDR Contact: 01/05/2026
Data Release Frequency: Quarterly

NPL Site Boundaries

Sources

EPA's Environmental Photographic Interpretation Center (EPIC)

Telephone: 202-564-7333

EPA Region 1 EPA Region 6

Telephone 617-918-1143 Telephone: 214-655-6659

EPA Region 3 EPA Region 7

Telephone 215-814-5418 Telephone: 913-551-7247

EPA Region 4 EPA Region 8

Telephone 404-562-8033 Telephone: 303-312-6774

EPA Region 5 EPA Region 9

Telephone 312-886-6686 Telephone: 415-947-4246

EPA Region 10

Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 06/26/2025 Source: EPA
Date Data Arrived at EDR: 07/01/2025 Telephone: N/A

Date Made Active in Reports: 07/17/2025 Last EDR Contact: 10/01/2025

Number of Days to Update: 16 Next Scheduled EDR Contact:

Next Scheduled EDR Contact: 01/05/2026 Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991 Date Data Arrived at EDR: 02/02/1994 Date Made Active in Reports: 03/30/1994

Number of Days to Update: 56

Source: EPA

Telephone: 202-564-4267 Last EDR Contact: 08/15/2011

Next Scheduled EDR Contact: 11/28/2011 Data Release Frequency: No Update Planned

Lists of Federal Delisted NPL sites

Delisted NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Source: EPA

Date of Government Version: 06/26/2025 Date Data Arrived at EDR: 07/01/2025 Date Made Active in Reports: 07/17/2025

Number of Days to Update: 16

Telephone: N/A

Last EDR Contact: 10/01/2025

Next Scheduled EDR Contact: 01/05/2026 Data Release Frequency: Quarterly

Lists of Federal sites subject to CERCLA removals and CERCLA orders

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 05/05/2025 Date Data Arrived at EDR: 06/20/2025 Date Made Active in Reports: 08/27/2025

Number of Days to Update: 68

Source: Environmental Protection Agency Telephone: 703-603-8704

Last EDR Contact: 09/23/2025

Next Scheduled EDR Contact: 01/05/2026 Data Release Frequency: Varies

SEMS: Superfund Enterprise Management System

SEMS (Superfund Enterprise Management System) tracks hazardous waste sites, potentially hazardous waste sites, and remedial activities performed in support of EPA's Superfund Program across the United States. The list was formerly know as CERCLIS, renamed to SEMS by the EPA in 2015. The list contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). This dataset also contains sites which are either proposed to or on the National Priorities List (NPL) and the sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 06/26/2025 Date Data Arrived at EDR: 07/01/2025 Date Made Active in Reports: 07/17/2025

Number of Days to Update: 16

Source: EPA

Telephone: 800-424-9346 Last EDR Contact: 10/01/2025

Next Scheduled EDR Contact: 01/19/2026 Data Release Frequency: Quarterly

Lists of Federal CERCLA sites with NFRAP

SEMS-ARCHIVE: Superfund Enterprise Management System Archive

SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list the site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. The decision does not necessarily mean that there is no hazard associated with a given site; it only means that based upon available information, the location is not judged to be potential NPL site.

Date of Government Version: 06/26/2025 Date Data Arrived at EDR: 07/01/2025 Date Made Active in Reports: 07/17/2025

Number of Days to Update: 16

Source: EPA

Telephone: 800-424-9346 Last EDR Contact: 10/01/2025

Next Scheduled EDR Contact: 01/19/2026 Data Release Frequency: Quarterly

Lists of Federal RCRA facilities undergoing Corrective Action

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 06/02/2025 Date Data Arrived at EDR: 06/03/2025 Date Made Active in Reports: 06/16/2025

Number of Days to Update: 13

Source: EPA

Telephone: 800-424-9346 Last EDR Contact: 10/01/2025

Next Scheduled EDR Contact: 12/29/2025 Data Release Frequency: Quarterly

Lists of Federal RCRA TSD facilities

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 06/02/2025 Date Data Arrived at EDR: 06/04/2025 Date Made Active in Reports: 06/16/2025

Number of Days to Update: 12

Source: Environmental Protection Agency

Telephone: (415) 495-8895 Last EDR Contact: 10/01/2025

Next Scheduled EDR Contact: 12/29/2025 Data Release Frequency: Quarterly

Lists of Federal RCRA generators

RCRA-LQG: RCRA - Large Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 06/02/2025 Date Data Arrived at EDR: 06/04/2025 Date Made Active in Reports: 06/16/2025

Number of Days to Update: 12

Source: Environmental Protection Agency

Telephone: (415) 495-8895 Last EDR Contact: 10/01/2025

Next Scheduled EDR Contact: 12/29/2025 Data Release Frequency: Quarterly

RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 06/02/2025 Date Data Arrived at EDR: 06/04/2025 Date Made Active in Reports: 06/16/2025

Number of Days to Update: 12

Source: Environmental Protection Agency

Telephone: (415) 495-8895 Last EDR Contact: 10/01/2025

Next Scheduled EDR Contact: 12/29/2025 Data Release Frequency: Quarterly

RCRA-VSQG: RCRA - Very Small Quantity Generators (Formerly Conditionally Exempt Small Quantity Generators)
RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation
and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database
includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste
as defined by the Resource Conservation and Recovery Act (RCRA). Very small quantity generators (VSQGs) generate
less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 06/02/2025 Date Data Arrived at EDR: 06/04/2025 Date Made Active in Reports: 06/16/2025

Number of Days to Update: 12

Source: Environmental Protection Agency

Telephone: (415) 495-8895 Last EDR Contact: 10/01/2025

Next Scheduled EDR Contact: 12/29/2025 Data Release Frequency: Quarterly

Federal institutional controls / engineering controls registries

LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 03/11/2025 Date Data Arrived at EDR: 04/02/2025 Date Made Active in Reports: 06/24/2025

Number of Days to Update: 83

Source: Department of the Navy Telephone: 843-820-7326 Last EDR Contact: 07/29/2025

Next Scheduled EDR Contact: 11/17/2025 Data Release Frequency: Varies

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 05/19/2025 Date Data Arrived at EDR: 05/20/2025 Date Made Active in Reports: 07/29/2025

Number of Days to Update: 70

Source: Environmental Protection Agency

Telephone: 703-603-0695 Last EDR Contact: 10/01/2025

Next Scheduled EDR Contact: 12/02/2024 Data Release Frequency: Varies

US INST CONTROLS: Institutional Controls Sites List

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 05/19/2025 Date Data Arrived at EDR: 05/20/2025 Date Made Active in Reports: 07/29/2025

Number of Days to Update: 70

Source: Environmental Protection Agency

Telephone: 703-603-0695 Last EDR Contact: 10/01/2025

Next Scheduled EDR Contact: 12/01/2025

Federal ERNS list

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous

substances.

Date of Government Version: 06/10/2025 Date Data Arrived at EDR: 06/12/2025 Date Made Active in Reports: 06/16/2025

Number of Days to Update: 4

Source: National Response Center, United States Coast Guard

Telephone: 202-267-2180 Last EDR Contact: 10/01/2025

Next Scheduled EDR Contact: 12/29/2025 Data Release Frequency: Quarterly

Lists of state- and tribal hazardous waste facilities

SHWS: Sites List

Facilities, sites or areas in which the Office of Hazard Evaluation and Emergency Response has an interest, has investigated or may investigate under HRS 128D (includes CERCLIS sites).

Date of Government Version: 03/06/2024 Date Data Arrived at EDR: 03/07/2024 Date Made Active in Reports: 03/12/2024

Number of Days to Update: 5

Source: Department of Health Telephone: 808-586-4249 Last EDR Contact: 09/02/2025

Next Scheduled EDR Contact: 12/15/2025 Data Release Frequency: Semi-Annually

Lists of state and tribal landfills and solid waste disposal facilities

SWF/LF: Permitted Landfills in the State of Hawaii

Solid Waste Facilities/Landfill Sites. SWF/LF type records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. Depending on the state, these may be active or inactive facilities or open dumps that failed to meet RCRA Subtitle D Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 06/11/2025 Date Data Arrived at EDR: 06/17/2025 Date Made Active in Reports: 06/23/2025

Number of Days to Update: 6

Source: Department of Health Telephone: 808-586-4245 Last EDR Contact: 09/23/2025

Next Scheduled EDR Contact: 12/29/2025 Data Release Frequency: Varies

Lists of state and tribal leaking storage tanks

LUST: Leaking Underground Storage Tank Database

Leaking Underground Storage Tank Incident Reports. LUST records contain an inventory of reported leaking underground storage tank incidents. Not all states maintain these records, and the information stored varies by state.

Date of Government Version: 04/29/2025 Date Data Arrived at EDR: 05/16/2025 Date Made Active in Reports: 08/01/2025

Number of Days to Update: 77

Source: Department of Health Telephone: 808-586-4228 Last EDR Contact: 09/16/2025

Next Scheduled EDR Contact: 12/01/2025 Data Release Frequency: Semi-Annually

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 04/21/2025 Date Data Arrived at EDR: 07/10/2025 Date Made Active in Reports: 10/02/2025

Number of Days to Update: 84

Source: EPA Region 4 Telephone: 404-562-8677 Last EDR Contact: 07/10/2025

Next Scheduled EDR Contact: 10/27/2025

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 05/22/2025 Date Data Arrived at EDR: 07/10/2025 Date Made Active in Reports: 10/02/2025

Number of Days to Update: 84

Source: EPA Region 8 Telephone: 303-312-6271 Last EDR Contact: 07/10/2025

Next Scheduled EDR Contact: 10/27/2025 Data Release Frequency: Varies

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 05/27/2025 Date Data Arrived at EDR: 07/10/2025 Date Made Active in Reports: 10/02/2025

Number of Days to Update: 84

Source: EPA Region 10 Telephone: 206-553-2857 Last EDR Contact: 07/10/2025

Next Scheduled EDR Contact: 10/27/2025 Data Release Frequency: Varies

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land
A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 04/21/2025 Date Data Arrived at EDR: 07/10/2025 Date Made Active in Reports: 10/02/2025

Number of Days to Update: 84

Source: EPA Region 1 Telephone: 617-918-1313 Last EDR Contact: 07/10/2025

Next Scheduled EDR Contact: 10/27/2025 Data Release Frequency: Varies

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 05/22/2025 Date Data Arrived at EDR: 07/10/2025 Date Made Active in Reports: 10/02/2025

Number of Days to Update: 84

Source: EPA Region 7 Telephone: 913-551-7003 Last EDR Contact: 07/10/2025

Next Scheduled EDR Contact: 10/27/2025 Data Release Frequency: Varies

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 04/21/2025 Date Data Arrived at EDR: 07/10/2025 Date Made Active in Reports: 10/02/2025

Number of Days to Update: 84

Source: Environmental Protection Agency Telephone: 415-972-3372

Last EDR Contact: 07/10/2025

Next Scheduled EDR Contact: 10/27/2025 Data Release Frequency: Varies

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land

Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

Date of Government Version: 04/21/2025 Date Data Arrived at EDR: 07/10/2025 Date Made Active in Reports: 10/02/2025

Number of Days to Update: 84

Source: EPA, Region 5 Telephone: 312-886-7439 Last EDR Contact: 07/10/2025

Next Scheduled EDR Contact: 10/27/2025 Data Release Frequency: Varies

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 04/21/2025 Date Data Arrived at EDR: 07/10/2025 Date Made Active in Reports: 10/02/2025

Number of Days to Update: 84

Source: EPA Region 6 Telephone: 214-665-6597 Last EDR Contact: 07/10/2025

Next Scheduled EDR Contact: 10/27/2025

Lists of state and tribal registered storage tanks

FEMA UST: Underground Storage Tank Listing

A listing of all FEMA owned underground storage tanks.

Date of Government Version: 04/08/2025 Date Data Arrived at EDR: 04/23/2025 Date Made Active in Reports: 04/24/2025

Number of Days to Update: 1

Source: FEMA

Telephone: 202-646-5797 Last EDR Contact: 09/23/2025

Next Scheduled EDR Contact: 01/12/2026 Data Release Frequency: Varies

UST: Underground Storage Tank Database

Registered Underground Storage Tanks. UST's are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA) and must be registered with the state department responsible for administering the UST program. Available information varies by state program.

Date of Government Version: 04/29/2025 Date Data Arrived at EDR: 05/16/2025 Date Made Active in Reports: 08/01/2025

Number of Days to Update: 77

Source: Department of Health Telephone: 808-586-4228 Last EDR Contact: 09/16/2025

Next Scheduled EDR Contact: 12/01/2025 Data Release Frequency: Semi-Annually

INDIAN UST R1: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 04/21/2025 Date Data Arrived at EDR: 07/10/2025 Date Made Active in Reports: 10/02/2025

Number of Days to Update: 84

Source: EPA, Region 1 Telephone: 617-918-1313 Last EDR Contact: 07/10/2025

Next Scheduled EDR Contact: 10/27/2025 Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 04/21/2025 Date Data Arrived at EDR: 07/10/2025 Date Made Active in Reports: 10/02/2025

Number of Days to Update: 84

Source: EPA Region 6 Telephone: 214-665-7591 Last EDR Contact: 07/10/2025

Next Scheduled EDR Contact: 10/27/2025 Data Release Frequency: Varies

INDIAN UST R10: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 05/27/2025 Date Data Arrived at EDR: 07/10/2025 Date Made Active in Reports: 10/02/2025

Number of Days to Update: 84

Source: EPA Region 10 Telephone: 206-553-2857 Last EDR Contact: 07/10/2025

Next Scheduled EDR Contact: 10/27/2025 Data Release Frequency: Varies

INDIAN UST R4: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 04/21/2025 Date Data Arrived at EDR: 07/10/2025 Date Made Active in Reports: 10/02/2025

Number of Days to Update: 84

Source: EPA Region 4 Telephone: 404-562-9424 Last EDR Contact: 07/10/2025

Next Scheduled EDR Contact: 10/27/2025 Data Release Frequency: Varies

INDIAN UST R9: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 04/21/2025 Date Data Arrived at EDR: 07/10/2025 Date Made Active in Reports: 10/02/2025

Number of Days to Update: 84

Source: EPA Region 9 Telephone: 415-972-3368 Last EDR Contact: 07/10/2025

Next Scheduled EDR Contact: 10/27/2025 Data Release Frequency: Varies

INDIAN UST R8: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 05/22/2025 Date Data Arrived at EDR: 07/10/2025 Date Made Active in Reports: 10/02/2025

Number of Days to Update: 84

Source: EPA Region 8 Telephone: 303-312-6137 Last EDR Contact: 07/10/2025

Next Scheduled EDR Contact: 10/27/2025 Data Release Frequency: Varies

INDIAN UST R7: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 05/22/2025 Date Data Arrived at EDR: 07/10/2025 Date Made Active in Reports: 10/02/2025

Number of Days to Update: 84

Source: EPA Region 7 Telephone: 913-551-7003 Last EDR Contact: 07/10/2025

Next Scheduled EDR Contact: 10/27/2025

Data Release Frequency: Varies

INDIAN UST R5: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 04/21/2025 Date Data Arrived at EDR: 07/10/2025 Date Made Active in Reports: 10/02/2025

Number of Days to Update: 84

Source: EPA Region 5 Telephone: 312-886-6136 Last EDR Contact: 07/10/2025

Next Scheduled EDR Contact: 10/27/2025 Data Release Frequency: Varies

State and tribal institutional control / engineering control registries

ENG CONTROLS: Engineering Control Sites

A listing of sites with engineering controls in place.

Date of Government Version: 04/17/2019 Date Data Arrived at EDR: 05/21/2019 Date Made Active in Reports: 05/30/2019

Number of Days to Update: 9

Source: Department of Health Telephone: 404-586-4249 Last EDR Contact: 09/02/2025

Next Scheduled EDR Contact: 12/15/2025 Data Release Frequency: Varies

INST CONTROL: Sites with Institutional Controls

Voluntary Remediation Program and Brownfields sites with institutional controls in place.

Date of Government Version: 04/17/2019 Date Data Arrived at EDR: 05/21/2019 Date Made Active in Reports: 05/30/2019

Number of Days to Update: 9

Source: Department of Health Telephone: 808-586-4249 Last EDR Contact: 09/02/2025

Next Scheduled EDR Contact: 12/15/2025 Data Release Frequency: Varies

Lists of state and tribal voluntary cleanup sites

INDIAN VCP R1: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 07/27/2015 Date Data Arrived at EDR: 09/29/2015 Date Made Active in Reports: 02/18/2016

Number of Days to Update: 142

Source: EPA, Region 1 Telephone: 617-918-1102 Last EDR Contact: 09/09/2025

Next Scheduled EDR Contact: 12/29/2025 Data Release Frequency: Varies

VCP: Voluntary Response Program Sites

Sites participating in the Voluntary Response Program. The purpose of the VRP is to streamline the cleanup process in a way that will encourage prospective developers, lenders, and purchasers to voluntarily cleanup properties.

Date of Government Version: 03/06/2024 Date Data Arrived at EDR: 03/07/2024 Date Made Active in Reports: 03/12/2024

Number of Days to Update: 5

Source: Department of Health Telephone: 808-586-4249 Last EDR Contact: 09/02/2025

Next Scheduled EDR Contact: 12/15/2025

Data Release Frequency: Varies

INDIAN VCP R7: Voluntary Cleanup Priority Lisitng

A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008 Date Data Arrived at EDR: 04/22/2008 Date Made Active in Reports: 05/19/2008

Number of Days to Update: 27

Source: EPA, Region 7 Telephone: 913-551-7365 Last EDR Contact: 07/08/2021

Next Scheduled EDR Contact: 07/20/2009

Data Release Frequency: Varies

Lists of state and tribal brownfield sites

BROWNFIELDS: Brownfields Sites

With certain legal exclusions and additions, the term 'brownfield site' means real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant.

Date of Government Version: 03/06/2024 Date Data Arrived at EDR: 03/07/2024 Date Made Active in Reports: 03/12/2024

Number of Days to Update: 5

Source: Department of Health Telephone: 808-586-4249 Last EDR Contact: 09/02/2025

Next Scheduled EDR Contact: 12/15/2025

Data Release Frequency: Varies

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites

Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

Date of Government Version: 09/09/2024 Date Data Arrived at EDR: 09/11/2024 Date Made Active in Reports: 12/06/2024

Number of Days to Update: 86

Source: Environmental Protection Agency

Telephone: 202-566-2777 Last EDR Contact: 10/01/2025

Next Scheduled EDR Contact: 12/22/2025 Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

SWRCY: Solid Waste Recycling Information

A listing of recycling and drop-off facilities located in Hawaii.

Date of Government Version: 06/11/2025 Date Data Arrived at EDR: 06/17/2025 Date Made Active in Reports: 06/23/2025

Number of Days to Update: 6

Source: Department of Health Telephone: 808-586-4226 Last EDR Contact: 09/23/2025

Next Scheduled EDR Contact: 12/29/2025 Data Release Frequency: Varies

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands

Location of open dumps on Indian land.

Date of Government Version: 12/31/1998 Date Data Arrived at EDR: 12/03/2007 Date Made Active in Reports: 01/24/2008

Number of Days to Update: 52

Source: Environmental Protection Agency

Telephone: 703-308-8245 Last EDR Contact: 07/15/2025

Next Scheduled EDR Contact: 11/03/2025 Data Release Frequency: Varies

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations

A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside

County and northern Imperial County, California.

Date of Government Version: 01/12/2009 Date Data Arrived at EDR: 05/07/2009 Date Made Active in Reports: 09/21/2009

Number of Days to Update: 137

Source: EPA, Region 9 Telephone: 415-947-4219 Last EDR Contact: 10/07/2025

Next Scheduled EDR Contact: 01/26/2026 Data Release Frequency: No Update Planned

ODI: Open Dump Inventory

An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258

Subtitle D Criteria.

Date of Government Version: 06/30/1985 Date Data Arrived at EDR: 08/09/2004 Date Made Active in Reports: 09/17/2004

Number of Days to Update: 39

Source: Environmental Protection Agency

Telephone: 800-424-9346 Last EDR Contact: 06/09/2004 Next Scheduled EDR Contact: N/A

Data Release Frequency: No Update Planned

IHS OPEN DUMPS: Open Dumps on Indian Land

A listing of all open dumps located on Indian Land in the United States.

Date of Government Version: 02/07/2024 Date Data Arrived at EDR: 11/13/2024 Date Made Active in Reports: 11/19/2024

Number of Days to Update: 6

Source: Department of Health & Human Serivces, Indian Health Service

Telephone: 301-443-1452 Last EDR Contact: 07/17/2025

Next Scheduled EDR Contact: 11/03/2025 Data Release Frequency: Varies

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL: National Clandestine Laboratory Register

A listing of clandestine drug lab locations that have been removed from the DEAs National Clandestine Laboratory Register.

Date of Government Version: 04/04/2025 Date Data Arrived at EDR: 06/02/2025 Date Made Active in Reports: 08/12/2025

Number of Days to Update: 71

Source: Drug Enforcement Administration Telephone: 202-307-1000

Telephone: 202-307-1000 Last EDR Contact: 08/21/2025

Next Scheduled EDR Contact: 12/01/2025 Data Release Frequency: No Update Planned

CDL: Clandestine Drug Lab Listing

A listing of clandestine drug lab site locations.

Date of Government Version: 08/04/2010 Date Data Arrived at EDR: 09/10/2010 Date Made Active in Reports: 10/22/2010

Number of Days to Update: 42

Source: Department of Health Telephone: 808-586-4249 Last EDR Contact: 08/26/2025

Next Scheduled EDR Contact: 12/15/2025 Data Release Frequency: No Update Planned

US CDL: Clandestine Drug Labs

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 04/04/2025 Date Data Arrived at EDR: 06/02/2025 Date Made Active in Reports: 08/12/2025

Number of Days to Update: 71

Source: Drug Enforcement Administration

Telephone: 202-307-1000 Last EDR Contact: 08/21/2025

Next Scheduled EDR Contact: 12/01/2025 Data Release Frequency: Quarterly

Local Land Records

LIENS 2: CERCLA Lien Information

A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 06/26/2025 Date Data Arrived at EDR: 07/01/2025 Date Made Active in Reports: 07/17/2025

Number of Days to Update: 16

Source: Environmental Protection Agency

Telephone: 202-564-6023 Last EDR Contact: 10/01/2025

Next Scheduled EDR Contact: 01/05/2026 Data Release Frequency: Semi-Annually

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 06/11/2025 Date Data Arrived at EDR: 06/12/2025 Date Made Active in Reports: 06/16/2025

Number of Days to Update: 4

Source: U.S. Department of Transportation

Telephone: 202-366-4555 Last EDR Contact: 10/01/2025

Next Scheduled EDR Contact: 12/29/2025 Data Release Frequency: Quarterly

SPILLS: Release Notifications

Releases of hazardous substances to the environment reported to the Office of Hazard Evaluation and Emergency Response since 1988.

Date of Government Version: 02/29/2024 Date Data Arrived at EDR: 02/29/2024 Date Made Active in Reports: 05/21/2024

Number of Days to Update: 82

Source: Department of Health Telephone: 808-586-4249 Last EDR Contact: 08/05/2025

Next Scheduled EDR Contact: 11/24/2025 Data Release Frequency: Varies

SPILLS 90: SPILLS90 data from FirstSearch

Spills 90 includes those spill and release records available exclusively from FirstSearch databases. Typically, they may include chemical, oil and/or hazardous substance spills recorded after 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 90.

Date of Government Version: 03/10/2012 Date Data Arrived at EDR: 01/03/2013 Date Made Active in Reports: 02/11/2013

Number of Days to Update: 39

Source: FirstSearch Telephone: N/A

Last EDR Contact: 01/03/2013 Next Scheduled EDR Contact: N/A

Data Release Frequency: No Update Planned

Other Ascertainable Records

RCRA NonGen / NLR: RCRA - Non Generators / No Longer Regulated

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 06/02/2025 Date Data Arrived at EDR: 06/04/2025 Date Made Active in Reports: 06/16/2025

Number of Days to Update: 12

Source: Environmental Protection Agency

Telephone: (415) 495-8895 Last EDR Contact: 10/01/2025

Next Scheduled EDR Contact: 12/29/2025 Data Release Frequency: Quarterly

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 07/23/2025 Date Data Arrived at EDR: 07/23/2025 Date Made Active in Reports: 07/29/2025

Number of Days to Update: 6

Source: U.S. Army Corps of Engineers

Telephone: 202-528-4285 Last EDR Contact: 07/23/2025

Next Scheduled EDR Contact: 11/24/2025

Data Release Frequency: Varies

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 06/07/2021 Date Data Arrived at EDR: 07/13/2021 Date Made Active in Reports: 03/09/2022

Number of Days to Update: 239

Source: USGS

Telephone: 888-275-8747 Last EDR Contact: 10/07/2025

Next Scheduled EDR Contact: 01/19/2026 Data Release Frequency: Varies

FEDLAND: Federal and Indian Lands

Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 04/02/2018 Date Data Arrived at EDR: 04/11/2018 Date Made Active in Reports: 11/06/2019

Number of Days to Update: 574

Source: U.S. Geological Survey Telephone: 888-275-8747 Last EDR Contact: 10/02/2025

Next Scheduled EDR Contact: 01/12/2026

Data Release Frequency: N/A

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 07/30/2021 Date Data Arrived at EDR: 02/03/2023 Date Made Active in Reports: 02/10/2023

Number of Days to Update: 7

Source: Environmental Protection Agency

Telephone: 615-532-8599 Last EDR Contact: 08/07/2025

Next Scheduled EDR Contact: 11/17/2025 Data Release Frequency: Varies

US FIN ASSUR: Financial Assurance Information

All owners and operators of facilities that treat, store, or dispose of hazardous waste are required to provide proof that they will have sufficient funds to pay for the clean up, closure, and post-closure care of their facilities.

Date of Government Version: 06/02/2025 Date Data Arrived at EDR: 06/03/2025 Date Made Active in Reports: 06/16/2025

Number of Days to Update: 13

Source: Environmental Protection Agency

Telephone: 202-566-1917 Last EDR Contact: 10/01/2025

Next Scheduled EDR Contact: 12/29/2025 Data Release Frequency: Quarterly

EPA WATCH LIST: EPA Watch List

EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

Date of Government Version: 08/30/2013 Date Data Arrived at EDR: 03/21/2014 Date Made Active in Reports: 06/17/2014

Number of Days to Update: 88

Source: Environmental Protection Agency Telephone: 617-520-3000

Last EDR Contact: 07/24/2025

Next Scheduled EDR Contact: 11/10/2025 Data Release Frequency: No Update Planned

2020 COR ACTION: 2020 Corrective Action Program List

The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

Date of Government Version: 09/30/2017 Date Data Arrived at EDR: 05/08/2018 Date Made Active in Reports: 07/20/2018

Number of Days to Update: 73

Source: Environmental Protection Agency

Telephone: 703-308-4044 Last EDR Contact: 07/31/2025

Next Scheduled EDR Contact: 11/10/2025

Data Release Frequency: Varies

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant

Date of Government Version: 12/31/2020 Date Data Arrived at EDR: 06/14/2022 Date Made Active in Reports: 03/24/2023

Number of Days to Update: 283

Source: EPA

Telephone: 202-260-5521 Last EDR Contact: 09/11/2025

Next Scheduled EDR Contact: 12/22/2025 Data Release Frequency: Every 4 Years

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2023 Date Data Arrived at EDR: 02/11/2025 Date Made Active in Reports: 02/18/2025

Number of Days to Update: 7

Source: EPA

Telephone: 202-566-0250 Last EDR Contact: 08/11/2025

Next Scheduled EDR Contact: 11/24/2025 Data Release Frequency: Annually

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 04/14/2025 Date Data Arrived at EDR: 04/15/2025 Date Made Active in Reports: 07/08/2025

Number of Days to Update: 84

Source: EPA

Telephone: 202-564-4203 Last EDR Contact: 07/14/2025

Next Scheduled EDR Contact: 10/27/2025 Data Release Frequency: Annually

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 07/29/2025 Date Data Arrived at EDR: 08/04/2025 Date Made Active in Reports: 08/12/2025

Number of Days to Update: 8

Source: EPA

Telephone: 703-416-0223 Last EDR Contact: 10/01/2025

Next Scheduled EDR Contact: 12/08/2025 Data Release Frequency: Annually

RMP: Risk Management Plans

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 04/05/2025 Date Data Arrived at EDR: 04/11/2025 Date Made Active in Reports: 07/08/2025

Number of Days to Update: 88

Source: Environmental Protection Agency

Telephone: 202-564-8600 Last EDR Contact: 10/08/2025

Next Scheduled EDR Contact: 01/26/2026 Data Release Frequency: Varies

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995 Date Data Arrived at EDR: 07/03/1995 Date Made Active in Reports: 08/07/1995

Number of Days to Update: 35

Source: EPA

Telephone: 202-564-4104 Last EDR Contact: 06/02/2008

Next Scheduled EDR Contact: 09/01/2008 Data Release Frequency: No Update Planned

PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 06/26/2025 Date Data Arrived at EDR: 07/01/2025 Date Made Active in Reports: 07/29/2025

Number of Days to Update: 28

Source: EPA

Telephone: 202-564-6023 Last EDR Contact: 10/01/2025

Next Scheduled EDR Contact: 11/10/2025 Data Release Frequency: Quarterly

PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 07/01/2024 Date Data Arrived at EDR: 10/02/2024 Date Made Active in Reports: 01/10/2025

Number of Days to Update: 100

Source: EPA

Telephone: 202-566-0500 Last EDR Contact: 09/30/2025

Next Scheduled EDR Contact: 01/12/2026 Data Release Frequency: Annually

ICIS: Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 11/18/2016 Date Data Arrived at EDR: 11/23/2016 Date Made Active in Reports: 02/10/2017

Number of Days to Update: 79

Source: Environmental Protection Agency

Telephone: 202-564-2501 Last EDR Contact: 09/23/2025

Next Scheduled EDR Contact: 01/12/2026 Data Release Frequency: Quarterly

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009 Date Data Arrived at EDR: 04/16/2009 Date Made Active in Reports: 05/11/2009

Number of Days to Update: 25

Source: EPA/Office of Prevention, Pesticides and Toxic Substances

Telephone: 202-566-1667 Last EDR Contact: 08/18/2017

Next Scheduled EDR Contact: 12/04/2017 Data Release Frequency: No Update Planned

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act) A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009 Date Data Arrived at EDR: 04/16/2009 Date Made Active in Reports: 05/11/2009

Number of Days to Update: 25

Source: EPA

Telephone: 202-566-1667 Last EDR Contact: 08/18/2017

Next Scheduled EDR Contact: 12/04/2017 Data Release Frequency: No Update Planned

MLTS: Material Licensing Tracking System

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 05/07/2025 Date Data Arrived at EDR: 05/07/2025 Date Made Active in Reports: 06/03/2025

Number of Days to Update: 27

Source: Nuclear Regulatory Commission Telephone: 301-415-0717

Last EDR Contact: 10/08/2025

Next Scheduled EDR Contact: 01/26/2026 Data Release Frequency: Quarterly

COAL ASH DOE: Steam-Electric Plant Operation Data
A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2023 Date Data Arrived at EDR: 10/16/2024 Date Made Active in Reports: 01/14/2025

Number of Days to Update: 90

Source: Department of Energy Telephone: 202-586-8719 Last EDR Contact: 08/28/2025

Next Scheduled EDR Contact: 12/08/2025 Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List

A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 01/12/2017 Date Data Arrived at EDR: 03/05/2019 Date Made Active in Reports: 11/11/2019

Number of Days to Update: 251

Source: Environmental Protection Agency

Telephone: N/A

Last EDR Contact: 08/21/2025

Next Scheduled EDR Contact: 12/08/2025 Data Release Frequency: Varies

PCB TRANSFORMER: PCB Transformer Registration Database

The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 09/13/2019 Date Data Arrived at EDR: 11/06/2019 Date Made Active in Reports: 02/10/2020

Number of Days to Update: 96

Source: Environmental Protection Agency

Telephone: 202-566-0517 Last EDR Contact: 07/31/2025

Next Scheduled EDR Contact: 11/10/2025

Data Release Frequency: Varies

RADINFO: Radiation Information Database

The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 07/01/2019 Date Data Arrived at EDR: 07/01/2019 Date Made Active in Reports: 09/23/2019

Number of Days to Update: 84

Source: Environmental Protection Agency

Telephone: 202-343-9775 Last EDR Contact: 09/17/2025

Next Scheduled EDR Contact: 01/05/2026 Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing

A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006 Date Data Arrived at EDR: 03/01/2007 Date Made Active in Reports: 04/10/2007

Number of Days to Update: 40

Source: Environmental Protection Agency

Telephone: 202-564-2501 Last EDR Contact: 12/17/2007

Next Scheduled EDR Contact: 03/17/2008

Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing

A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006 Date Data Arrived at EDR: 03/01/2007 Date Made Active in Reports: 04/10/2007

Number of Days to Update: 40

Source: Environmental Protection Agency

Telephone: 202-564-2501 Last EDR Contact: 12/17/2008

Next Scheduled EDR Contact: 03/17/2008 Data Release Frequency: No Update Planned

DOT OPS: Incident and Accident Data

Department of Transporation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 03/31/2025 Date Data Arrived at EDR: 04/22/2025 Date Made Active in Reports: 07/17/2025

Number of Days to Update: 86

Source: Department of Transporation, Office of Pipeline Safety

Telephone: 202-366-4595 Last EDR Contact: 07/17/2025

Next Scheduled EDR Contact: 11/03/2025 Data Release Frequency: Quarterly

CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 03/31/2025 Date Data Arrived at EDR: 05/02/2025 Date Made Active in Reports: 07/17/2025

Number of Days to Update: 76

Source: Department of Justice, Consent Decree Library

Telephone: Varies

Last EDR Contact: 09/23/2025

Next Scheduled EDR Contact: 01/13/2026

Data Release Frequency: Varies

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2023 Date Data Arrived at EDR: 02/19/2025 Date Made Active in Reports: 03/07/2025

Number of Days to Update: 16

Source: EPA/NTIS Telephone: 800-424-9346 Last EDR Contact: 10/01/2025

Next Scheduled EDR Contact: 12/29/2025 Data Release Frequency: Biennially

INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2014 Date Data Arrived at EDR: 07/14/2015 Date Made Active in Reports: 01/10/2017

Number of Days to Update: 546

Source: USGS

Telephone: 202-208-3710 Last EDR Contact: 09/29/2025

Next Scheduled EDR Contact: 01/12/2026 Data Release Frequency: Semi-Annually

FUSRAP: Formerly Utilized Sites Remedial Action Program

DOE established the Formerly Utilized Sites Remedial Action Program (FUSRAP) in 1974 to remediate sites where radioactive contamination remained from Manhattan Project and early U.S. Atomic Energy Commission (AEC) operations.

Date of Government Version: 03/03/2023 Date Data Arrived at EDR: 03/03/2023 Date Made Active in Reports: 06/09/2023

Number of Days to Update: 98

Source: Department of Energy Telephone: 202-586-3559 Last EDR Contact: 07/28/2025

Next Scheduled EDR Contact: 11/10/2025

Data Release Frequency: Varies

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 05/15/2025 Date Data Arrived at EDR: 05/15/2025 Date Made Active in Reports: 07/29/2025

Number of Days to Update: 75

Source: Department of Energy Telephone: 505-845-0011 Last EDR Contact: 08/11/2025

Next Scheduled EDR Contact: 11/24/2025 Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 06/26/2025 Date Data Arrived at EDR: 07/01/2025 Date Made Active in Reports: 07/17/2025

Number of Days to Update: 16

Source: Environmental Protection Agency

Telephone: 703-603-8787 Last EDR Contact: 10/01/2025

Next Scheduled EDR Contact: 01/05/2026 Data Release Frequency: Varies

LEAD SMELTER 2: Lead Smelter Sites

A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931and 1964. These sites

may pose a threat to public health through ingestion or inhalation of contaminated soil or dust

Date of Government Version: 04/05/2001 Date Data Arrived at EDR: 10/27/2010 Date Made Active in Reports: 12/02/2010

Number of Days to Update: 36

Source: American Journal of Public Health Telephone: 703-305-6451

Last EDR Contact: 12/02/2009
Next Scheduled EDR Contact: N/A

Data Release Frequency: No Update Planned

US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)

The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

Date of Government Version: 10/12/2016 Date Data Arrived at EDR: 10/26/2016 Date Made Active in Reports: 02/03/2017

Number of Days to Update: 100

Source: EPA

Telephone: 202-564-2496 Last EDR Contact: 09/26/2017

Next Scheduled EDR Contact: 01/08/2018 Data Release Frequency: Annually

US AIRS MINOR: Air Facility System Data A listing of minor source facilities.

Date of Government Version: 10/12/2016 Date Data Arrived at EDR: 10/26/2016 Date Made Active in Reports: 02/03/2017

Number of Days to Update: 100

Source: EPA

Telephone: 202-564-2496 Last EDR Contact: 09/26/2017

Next Scheduled EDR Contact: 01/08/2018 Data Release Frequency: Annually

US MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 05/01/2025 Date Data Arrived at EDR: 05/20/2025 Date Made Active in Reports: 07/29/2025

Number of Days to Update: 70

Source: Department of Labor, Mine Safety and Health Administration

Telephone: 303-231-5959 Last EDR Contact: 08/18/2025

Next Scheduled EDR Contact: 12/01/2025 Data Release Frequency: Semi-Annually

MINES VIOLATIONS: MSHA Violation Assessment Data

Mines violation and assessment information. Department of Labor, Mine Safety & Health Administration.

Date of Government Version: 07/01/2025 Date Data Arrived at EDR: 07/01/2025 Date Made Active in Reports: 09/24/2025

Number of Days to Update: 85

Source: DOL, Mine Safety & Health Admi

Telephone: 202-693-9424 Last EDR Contact: 07/01/2025

Next Scheduled EDR Contact: 12/01/2025 Data Release Frequency: Quarterly

US MINES 2: Ferrous and Nonferrous Metal Mines Database Listing

This map layer includes ferrous (ferrous metal mines are facilities that extract ferrous metals, such as iron ore or molybdenum) and nonferrous (Nonferrous metal mines are facilities that extract nonferrous metals, such as gold, silver, copper, zinc, and lead) metal mines in the United States.

Date of Government Version: 04/08/2025 Date Data Arrived at EDR: 05/20/2025 Date Made Active in Reports: 08/12/2025

Number of Days to Update: 84

Source: USGS

Telephone: 703-648-7709 Last EDR Contact: 08/21/2025

Next Scheduled EDR Contact: 12/01/2025 Data Release Frequency: Varies

US MINES 3: Active Mines & Mineral Plants Database Listing

Active Mines and Mineral Processing Plant operations for commodities monitored by the Minerals Information Team of the USGS.

Date of Government Version: 04/14/2011 Date Data Arrived at EDR: 06/08/2011 Date Made Active in Reports: 09/13/2011

Number of Days to Update: 97

Source: USGS

Telephone: 703-648-7709 Last EDR Contact: 08/21/2025

Next Scheduled EDR Contact: 12/01/2025

Data Release Frequency: Varies

MINES MRDS: Mineral Resources Data System

Mineral Resources Data System

Date of Government Version: 06/04/2024 Date Data Arrived at EDR: 11/22/2024 Date Made Active in Reports: 02/18/2025

Number of Days to Update: 88

Source: USGS

Telephone: 703-648-6533 Last EDR Contact: 08/21/2025

Next Scheduled EDR Contact: 12/01/2025 Data Release Frequency: Varies

ABANDONED MINES: Abandoned Mines

An inventory of land and water impacted by past mining (primarily coal mining) is maintained by OSMRE to provide information needed to implement the Surface Mining Control and Reclamation Act of 1977 (SMCRA). The inventory contains information on the location, type, and extent of AML impacts, as well as, information on the cost associated with the reclamation of those problems. The inventory is based upon field surveys by State, Tribal, and OSMRE program officials. It is dynamic to the extent that it is modified as new problems are identified and existing problems are reclaimed.

Date of Government Version: 05/28/2025 Date Data Arrived at EDR: 05/28/2025 Date Made Active in Reports: 06/03/2025

Number of Days to Update: 6

Source: Department of Interior Telephone: 202-208-2609 Last EDR Contact: 09/09/2025

Next Scheduled EDR Contact: 12/15/2025 Data Release Frequency: Quarterly

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 04/22/2025 Date Data Arrived at EDR: 05/05/2025 Date Made Active in Reports: 05/21/2025

Number of Days to Update: 16

Source: EPA

Telephone: (415) 947-8000 Last EDR Contact: 10/01/2025

Next Scheduled EDR Contact: 12/08/2025 Data Release Frequency: Quarterly

UXO: Unexploded Ordnance Sites

A listing of unexploded ordnance site locations

Date of Government Version: 02/14/2025 Date Data Arrived at EDR: 03/11/2025 Date Made Active in Reports: 06/03/2025

Number of Days to Update: 84

Source: Department of Defense Telephone: 703-704-1564 Last EDR Contact: 10/01/2025

Next Scheduled EDR Contact: 01/19/2026 Data Release Frequency: Varies

ECHO: Enforcement & Compliance History Information

ECHO provides integrated compliance and enforcement information for about 800,000 regulated facilities nationwide.

Date of Government Version: 06/22/2025 Date Data Arrived at EDR: 06/25/2025 Date Made Active in Reports: 08/27/2025

Number of Days to Update: 63

Source: Environmental Protection Agency

Telephone: 202-564-2280 Last EDR Contact: 09/26/2025

Next Scheduled EDR Contact: 01/12/2026 Data Release Frequency: Quarterly

DOCKET HWC: Hazardous Waste Compliance Docket Listing

A complete list of the Federal Agency Hazardous Waste Compliance Docket Facilities.

Date of Government Version: 05/06/2021 Date Data Arrived at EDR: 05/21/2021 Date Made Active in Reports: 08/11/2021

Number of Days to Update: 82

Source: Environmental Protection Agency

Telephone: 202-564-0527 Last EDR Contact: 08/12/2025

Next Scheduled EDR Contact: 12/01/2025

Data Release Frequency: Varies

FUELS PROGRAM: EPA Fuels Program Registered Listing

This listing includes facilities that are registered under the Part 80 (Code of Federal Regulations) EPA Fuels Programs. All companies now are required to submit new and updated registrations.

Date of Government Version: 05/07/2025 Date Data Arrived at EDR: 05/13/2025 Date Made Active in Reports: 07/29/2025

Number of Days to Update: 77

Source: EPA

Telephone: 800-385-6164 Last EDR Contact: 08/07/2025

Next Scheduled EDR Contact: 11/24/2025 Data Release Frequency: Quarterly

PFAS NPL: Superfund Sites with PFAS Detections Information

EPA's Office of Land and Emergency Management and EPA Regional Offices maintain data describing what is known about site investigations, contamination, and remedial actions under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) where PFAS is present in the environment.

Date of Government Version: 06/23/2025 Date Data Arrived at EDR: 06/26/2025 Date Made Active in Reports: 08/27/2025

Number of Days to Update: 62

Source: Environmental Protection Agency

Telephone: 703-603-8895 Last EDR Contact: 09/26/2025

Next Scheduled EDR Contact: 01/12/2026 Data Release Frequency: Varies

PFAS FEDERAL SITES: Federal Sites PFAS Information

Several federal entities, such as the federal Superfund program, Department of Defense, National Aeronautics and Space Administration, Department of Transportation, and Department of Energy provided information for sites with known or suspected detections at federal facilities.

Date of Government Version: 06/23/2025 Date Data Arrived at EDR: 06/26/2025 Date Made Active in Reports: 08/27/2025

Number of Days to Update: 62

Source: Environmental Protection Agency

Telephone: 202-272-0167 Last EDR Contact: 09/26/2025

Next Scheduled EDR Contact: 01/12/2026

PFAS TRIS: List of PFAS Added to the TRI

Section 7321 of the National Defense Authorization Act for Fiscal Year 2020 (NDAA) immediately added certain per- and polyfluoroalkyl substances (PFAS) to the list of chemicals covered by the Toxics Release Inventory (TRI) under Section 313 of the Emergency Planning and Community Right-to-Know Act (EPCRA) and provided a framework for additional PFAS to be added to TRI on an annual basis.

Date of Government Version: 06/23/2025 Date Data Arrived at EDR: 06/26/2025 Date Made Active in Reports: 08/27/2025

Number of Days to Update: 62

Source: Environmental Protection Agency

Telephone: 202-566-0250 Last EDR Contact: 09/26/2025

Next Scheduled EDR Contact: 01/12/2026 Data Release Frequency: Varies

PFAS TSCA: PFAS Manufacture and Imports Information

EPA issued the Chemical Data Reporting (CDR) Rule under the Toxic Substances Control Act (TSCA) and requires chemical manufacturers and facilities that manufacture or import chemical substances to report data to EPA. EPA publishes non-confidential business information (non-CBI) and includes descriptive information about each site, corporate parent, production volume, other manufacturing information, and processing and use information.

Date of Government Version: 06/23/2025 Date Data Arrived at EDR: 06/26/2025 Date Made Active in Reports: 08/27/2025

Number of Days to Update: 62

Source: Environmental Protection Agency

Telephone: 202-272-0167 Last EDR Contact: 09/26/2025

Next Scheduled EDR Contact: 01/12/2026 Data Release Frequency: Varies

PFAS RCRA MANIFEST: PFAS Transfers Identified In the RCRA Database Listing

To work around the lack of PFAS waste codes in the RCRA database, EPA developed the PFAS Transfers dataset by mining e-Manifest records containing at least one of these common PFAS keywords: PFAS, PFOA, PFOS, PERFL, AFFF, GENX, GEN-X (plus the VT waste codes). These keywords were searched for in the following text fields: Manifest handling instructions (MANIFEST_HANDLING_INSTR), Non-hazardous waste description (NON_HAZ_WASTE_DESCRIPTION), DOT printed information (DOT_PRINTED_INFORMATION), Waste line handling instructions (WASTE_LINE_HANDLING_INSTR), Waste residue comments (WASTE_RESIDUE_COMMENTS).

Date of Government Version: 06/23/2025 Date Data Arrived at EDR: 06/26/2025 Date Made Active in Reports: 09/24/2025

Number of Days to Update: 90

Source: Environmental Protection Agency

Telephone: 202-272-0167 Last EDR Contact: 09/26/2025

Next Scheduled EDR Contact: 01/12/2026 Data Release Frequency: Varies

PFAS ATSDR: PFAS Contamination Site Location Listing

PFAS contamination site locations from the Department of Health & Human Services, Center for Disease Control & Prevention. ATSDR is involved at a number of PFAS-related sites, either directly or through assisting state and federal partners. As of now, most sites are related to drinking water contamination connected with PFAS production facilities or fire training areas where aqueous film-forming firefighting foam (AFFF) was regularly used.

Date of Government Version: 06/24/2020 Date Data Arrived at EDR: 03/17/2021 Date Made Active in Reports: 11/08/2022

Number of Days to Update: 601

Source: Department of Health & Human Services

Telephone: 202-741-5770 Last EDR Contact: 07/16/2025

Next Scheduled EDR Contact: 11/03/2025 Data Release Frequency: Varies

PFAS WQP: Ambient Environmental Sampling for PFAS

The Water Quality Portal (WQP) is a part of a modernized repository storing ambient sampling data for all environmental media and tissue samples. A wide range of federal, state, tribal and local governments, academic and non-governmental organizations and individuals submit project details and sampling results to this public repository. The information is commonly used for research and assessments of environmental quality.

Date of Government Version: 06/23/2025 Date Data Arrived at EDR: 06/26/2025 Date Made Active in Reports: 08/27/2025

Number of Days to Update: 62

Source: Environmental Protection Agency

Telephone: 202-272-0167 Last EDR Contact: 09/26/2025

Next Scheduled EDR Contact: 01/12/2026

PFAS PROJECT: NORTHEASTERN UNIVERSITY PFAS PROJECT

The PFAS Contamination Site Tracker records qualitative and quantitative data from each site in a chart, specifically examining discovery, contamination levels, government response, litigation, health impacts, media coverage, and community characteristics. All data presented in the chart were extracted from government websites, such as state health departments or the Environmental Protection Agency, and news articles.

Date of Government Version: 05/15/2024 Date Data Arrived at EDR: 03/06/2025 Date Made Active in Reports: 06/03/2025

Number of Days to Update: 89

Source: Social Science Environmental Health Research Institute

Telephone: N/A

Last EDR Contact: 09/02/2025

Next Scheduled EDR Contact: 12/15/2025 Data Release Frequency: Varies

PFAS NPDES: Clean Water Act Discharge Monitoring Information

Any discharger of pollutants to waters of the United States from a point source must have a National Pollutant Discharge Elimination System (NPDES) permit. The process for obtaining limits involves the regulated entity (permittee) disclosing releases in a NPDES permit application and the permitting authority (typically the state but sometimes EPA) deciding whether to require monitoring or monitoring with limits. Caveats and Limitations: Less than half of states have required PFAS monitoring for at least one of their permittees and fewer states have established PFAS effluent limits for permittees. New rulemakings have been initiated that may increase the number of facilities monitoring for PFAS in the future.

Date of Government Version: 06/23/2025 Date Data Arrived at EDR: 06/26/2025 Date Made Active in Reports: 08/27/2025

Number of Days to Update: 62

Source: Environmental Protection Agency

Telephone: 202-272-0167 Last EDR Contact: 09/26/2025

Next Scheduled EDR Contact: 01/12/2026 Data Release Frequency: Varies

PFAS ECHO: Facilities in Industries that May Be Handling PFAS Listing

Regulators and the public have expressed interest in knowing which regulated entities may be using PFAS. EPA has developed a dataset from various sources that show which industries may be handling PFAS. Approximately 120,000 facilities subject to federal environmental programs have operated or currently operate in industry sectors with processes that may involve handling and/or release of PFAS.

Date of Government Version: 06/23/2025 Date Data Arrived at EDR: 06/26/2025 Date Made Active in Reports: 08/27/2025

Number of Days to Update: 62

Source: Environmental Protection Agency

Telephone: 202-272-0167 Last EDR Contact: 09/26/2025

Next Scheduled EDR Contact: 01/12/2026

Data Release Frequency: Varies

PFAS ECHO FIRE TRAIN: Facilities in Industries that May Be Handling PFAS Listing

A list of fire training sites was added to the Industry Sectors dataset using a keyword search on the permitted facilitys name to identify sites where fire-fighting foam may have been used in training exercises. Additionally, you may view an example spreadsheet of the subset of fire training facility data, as well as the keywords used in selecting or deselecting a facility for the subset. as well as the keywords used in selecting or deselecting a facility for the subset. These keywords were tested to maximize accuracy in selecting facilities that may use fire-fighting foam in training exercises, however, due to the lack of a required reporting field in the data systems for designating fire training sites, this methodology may not identify all fire training sites or may potentially misidentify them.

Date of Government Version: 06/23/2025 Date Data Arrived at EDR: 06/26/2025 Date Made Active in Reports: 08/27/2025

Number of Days to Update: 62

Source: Environmental Protection Agency Telephone: 202-272-0167

Last EDR Contact: 09/26/2025

Next Scheduled EDR Contact: 01/12/2026 Data Release Frequency: Varies

PFAS PT 139 AIRPORT: All Certified Part 139 Airports PFAS Information Listing

Since July 1, 2006, all certified part 139 airports are required to have fire-fighting foam onsite that meet military specifications (MIL-F-24385) (14 CFR 139.317). To date, these military specification fire-fighting foams are fluorinated and have been historically used for training and extinguishing. The 2018 FAA Reauthorization Act has a provision stating that no later than October 2021, FAA shall not require the use of fluorinated AFFF. This provision does not prohibit the use of fluorinated AFFF at Part 139 civilian airports; it only prohibits FAA from mandating its use. The Federal Aviation Administration?s document AC 150/5210-6D - Aircraft Fire Extinguishing Agents provides guidance on Aircraft Fire Extinguishing Agents, which includes Aqueous Film Forming Foam (AFFF).

Date of Government Version: 06/23/2025 Date Data Arrived at EDR: 06/26/2025 Date Made Active in Reports: 08/27/2025

Number of Days to Update: 62

Source: Environmental Protection Agency

Telephone: 202-272-0167 Last EDR Contact: 09/26/2025

Next Scheduled EDR Contact: 01/12/2026 Data Release Frequency: Varies

AQUEOUS FOAM NRC: Aqueous Foam Related Incidents Listing

The National Response Center (NRC) serves as an emergency call center that fields initial reports for pollution and railroad incidents and forwards that information to appropriate federal/state agencies for response. The spreadsheets posted to the NRC website contain initial incident data that has not been validated or investigated by a federal/state response agency. Response center calls from 1990 to the most recent complete calendar year where there was indication of Aqueous Film Forming Foam (AFFF) usage are included in this dataset. NRC calls may reference AFFF usage in the ?Material Involved? or ?Incident Description? fields.

Date of Government Version: 06/23/2025 Date Data Arrived at EDR: 06/26/2025 Date Made Active in Reports: 08/27/2025

Number of Days to Update: 62

Source: Environmental Protection Agency

Telephone: 202-267-2675 Last EDR Contact: 09/26/2025

Next Scheduled EDR Contact: 01/12/2026 Data Release Frequency: Varies

PCS ENF: Enforcement data

No description is available for this data

Date of Government Version: 12/31/2014 Date Data Arrived at EDR: 02/05/2015 Date Made Active in Reports: 03/06/2015

Number of Days to Update: 29

Source: EPA

Telephone: 202-564-2497 Last EDR Contact: 09/24/2025

Next Scheduled EDR Contact: 01/12/2026

Data Release Frequency: Varies

PCS: Permit Compliance System

PCS is a computerized management information system that contains data on National Pollutant Discharge Elimination System (NPDES) permit holding facilities. PCS tracks the permit, compliance, and enforcement status of NPDES facilities

Date of Government Version: 12/16/2016 Date Data Arrived at EDR: 01/06/2017 Date Made Active in Reports: 03/10/2017

Number of Days to Update: 63

Source: EPA, Office of Water Telephone: 202-564-2496 Last EDR Contact: 09/24/2025

Next Scheduled EDR Contact: 01/12/2026 Data Release Frequency: No Update Planned

BIOSOLIDS: ICIS-NPDES Biosolids Facility Data

The data reflects compliance information about facilities in the biosolids program.

Date of Government Version: 07/06/2025 Date Data Arrived at EDR: 07/10/2025 Date Made Active in Reports: 10/02/2025

Number of Days to Update: 84

Source: Environmental Protection Agency

Telephone: 202-564-4700 Last EDR Contact: 10/01/2025

Next Scheduled EDR Contact: 01/26/2026 Data Release Frequency: Varies

UST FINDER RELEASE: UST Finder Releases Database

US EPA's UST Finder data is a national composite of leaking underground storage tanks. This data contains information about, and locations of, leaking underground storage tanks. Data was collected from state sources and standardized into a national profile by EPA's Office of Underground Storage Tanks, Office of Research and Development, and the Association of State and Territorial Solid Waste Management Officials.

Date of Government Version: 06/08/2023 Date Data Arrived at EDR: 10/31/2023 Date Made Active in Reports: 01/18/2024

Number of Days to Update: 79

Source: Environmental Protecton Agency

Telephone: 202-564-0394 Last EDR Contact: 08/13/2025

Next Scheduled EDR Contact: 11/17/2025 Data Release Frequency: Semi-Annually

UST FINDER: UST Finder Database

EPA developed UST Finder, a web map application containing a comprehensive, state-sourced national map of underground storage tank (UST) and leaking UST (LUST) data. It provides the attributes and locations of active and closed USTs, UST facilities, and LUST sites from states and from Tribal lands and US territories. UST Finder contains information about proximity of UST facilities and LUST sites to: surface and groundwater public drinking water protection areas; estimated number of private domestic wells and number of people living nearby; and flooding and wildfires.

Date of Government Version: 06/08/2023 Date Data Arrived at EDR: 10/04/2023 Date Made Active in Reports: 01/18/2024

Number of Days to Update: 106

Source: Environmental Protection Agency

Telephone: 202-564-0394 Last EDR Contact: 08/13/2025

Next Scheduled EDR Contact: 11/17/2025 Data Release Frequency: Varies

E MANIFEST: Hazardous Waste Electronic Manifest System

EPA established a national system for tracking hazardous waste shipments electronically. This system, known as ?e-Manifest,? will modernize the nation?s cradle-to-grave hazardous waste tracking process while saving valuable time, resources, and dollars for industry and states.

Date of Government Version: 06/02/2025 Date Data Arrived at EDR: 06/04/2025 Date Made Active in Reports: 08/13/2025

Number of Days to Update: 70

Source: Environmental Protection Agency

Telephone: 833-501-6826 Last EDR Contact: 10/01/2025

Next Scheduled EDR Contact: 12/29/2025

Data Release Frequency: Varies

PFAS: PFAS Contamination Site Listing

A listing of sites where "Potential PFAS" were found. The listing includes sites with "PFAs" and "fluoro", and site names that include "firefight", "fire fight", "fire train".

Date of Government Version: 06/03/2025 Date Data Arrived at EDR: 06/03/2025 Date Made Active in Reports: 08/25/2025

Number of Days to Update: 83

Source: Department of Health Telephone: 808-586-4249 Last EDR Contact: 09/03/2025

Next Scheduled EDR Contact: 12/15/2025 Data Release Frequency: Varies

AIRS: List of Permitted Facilities

A listing of permitted facilities in the state.

Date of Government Version: 12/31/2024 Date Data Arrived at EDR: 07/15/2025 Date Made Active in Reports: 10/03/2025

Number of Days to Update: 80

Source: Department of Health Telephone: 808-586-4200 Last EDR Contact: 09/30/2025

Next Scheduled EDR Contact: 01/05/2026 Data Release Frequency: Varies

DRYCLEANERS: Permitted Drycleaner Facility Listing

A listing of permitted drycleaner facilities in the state.

Date of Government Version: 12/31/2024 Date Data Arrived at EDR: 07/15/2025 Date Made Active in Reports: 10/03/2025

Number of Days to Update: 80

Source: Department of Health Telephone: 808-586-4200 Last EDR Contact: 09/30/2025

Next Scheduled EDR Contact: 01/05/2026 Data Release Frequency: Varies

FIN ASSURANCE: Financial Assurance Information Listing

A listing of financial assurance information for underground storage tank facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 05/28/2025 Date Data Arrived at EDR: 06/03/2025 Date Made Active in Reports: 08/20/2025

Number of Days to Update: 78

Source: Department of Health Telephone: 808-586-4226 Last EDR Contact: 10/07/2025

Next Scheduled EDR Contact: 12/15/2025 Data Release Frequency: Varies

HWP: Hazardous Waste Program Listing

A list of files with HW file numbers. This means there was likely some kind of hazardous waste or used oil activity at the site in the past, but not necessarily currently. There could also be sites for which the department received a complaint from the public but there was never any regulated activity that occurred at that site.

Date of Government Version: 05/23/2025 Date Data Arrived at EDR: 05/27/2025 Date Made Active in Reports: 08/19/2025

Number of Days to Update: 84

Source: Department of Health Telephone: 808-586-4238 Last EDR Contact: 08/19/2025

Next Scheduled EDR Contact: 12/08/2025 Data Release Frequency: Semi-Annually

LEAD: Lead Inspection Listing Lead inspections

> Date of Government Version: 04/14/2025 Date Data Arrived at EDR: 04/16/2025 Date Made Active in Reports: 07/14/2025

Number of Days to Update: 89

Source: Department of Health Telephone: 808-586-5800 Last EDR Contact: 08/26/2025

Next Scheduled EDR Contact: 12/15/2025 Data Release Frequency: Varies

UIC: Underground Injection Wells Listing

A listing of underground injection well locations.

Date of Government Version: 05/17/2024 Date Data Arrived at EDR: 05/21/2024 Date Made Active in Reports: 08/15/2024

Number of Days to Update: 86

Source: Department of Health Telephone: 808-586-4258 Last EDR Contact: 10/07/2025

Next Scheduled EDR Contact: 12/01/2025 Data Release Frequency: Varies

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: EDR Proprietary Manufactured Gas Plants

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A Date Data Arrived at EDR: N/A Date Made Active in Reports: N/A Number of Days to Update: N/A Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A

Next Scheduled EDR Contact: N/A

Data Release Frequency: No Update Planned

EDR Hist Auto: EDR Exclusive Historical Auto Stations

EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A Date Data Arrived at EDR: N/A Date Made Active in Reports: N/A Number of Days to Update: N/A Source: EDR, Inc. Telephone: N/A Last EDR Contact: N/A

Next Scheduled EDR Contact: N/A Data Release Frequency: Varies

EDR Hist Cleaner: EDR Exclusive Historical Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A Source: EDR, Inc. Date Data Arrived at EDR: N/A Telephone: N/A Last EDR Contact: N/A Date Made Active in Reports: N/A

Next Scheduled EDR Contact: N/A Number of Days to Update: N/A Data Release Frequency: Varies

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA HWS: Recovered Government Archive State Hazardous Waste Facilities List

The EDR Recovered Government Archive State Hazardous Waste database provides a list of SHWS incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Health in Hawaii.

Date of Government Version: N/A Date Data Arrived at EDR: 07/01/2013 Date Made Active in Reports: 01/08/2014

Number of Days to Update: 191

Source: Department of Health Telephone: N/A

Last EDR Contact: 06/01/2012 Next Scheduled EDR Contact: N/A Data Release Frequency: Varies

RGA LF: Recovered Government Archive Solid Waste Facilities List

The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Health in Hawaii.

Date of Government Version: N/A Date Data Arrived at EDR: 07/01/2013 Date Made Active in Reports: 01/17/2014

Number of Days to Update: 200

Source: Department of Health

Telephone: N/A

Last EDR Contact: 06/01/2012 Next Scheduled EDR Contact: N/A Data Release Frequency: Varies

RGA LUST: Recovered Government Archive Leaking Underground Storage Tank

The EDR Recovered Government Archive Leaking Underground Storage Tank database provides a list of LUST incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Health in Hawaii.

Date of Government Version: N/A Date Data Arrived at EDR: 07/01/2013 Date Made Active in Reports: 01/03/2014

Number of Days to Update: 186

Source: Department of Health

Telephone: N/A

Last EDR Contact: 06/01/2012 Next Scheduled EDR Contact: N/A Data Release Frequency: Varies

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

Oil/Gas Pipelines

Source: Endeavor Business Media

Petroleum Bundle (Crude Oil, Refined Products, Petrochemicals, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)) N = Natural Gas Bundle (Natural Gas, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)). This map includes information copyrighted by Endeavor Business Media. This information is provided on a best effort basis and Endeavor Business Media does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of Endeavor Business Media.

Electric Power Transmission Line Data

Source: Endeavor Business Media

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Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:

Source: American Hospital Association, Inc.

Telephone: 312-280-5991

The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing

Source: Centers for Medicare & Medicaid Services

Telephone: 410-786-3000

A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services,

a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes

Source: National Institutes of Health

Telephone: 301-594-6248

Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on elementary

and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on private school locations in the United States.

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.

Source: FEMA

Telephone: 877-336-2627

Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005, 2010 and 2015 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetlands Inventory

Source: Office of Planning Telephone: 808-587-2895

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Current USGS 7.5 Minute Topographic Map Source: U.S. Geological Survey

STREET AND ADDRESS INFORMATION

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GEOCHECK®- PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

22.734-ACRE PROPERTY 91-2002 FORT WEAVER ROAD EWA BEACH, HI 96706

TARGET PROPERTY COORDINATES

Latitude (North): 21.361946 - 21° 21' 43.01" Longitude (West): 158.030379 - 158° 1' 49.36"

Universal Tranverse Mercator: Zone 4 UTM X (Meters): 600531.8 UTM Y (Meters): 2362376.8

Elevation: 10 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map: 9757679 EWA, HI

Version Date: 2017

Northeast Map: 9814487 WAIPAHU, HI

Version Date: 2017

Southeast Map: 9814485 PEARL HARBOR, HI

Version Date: 2017

Northwest Map: 9757685 SCHOFIELD BARRACKS, HI

Version Date: 2017

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principle investigative components:

- 1. Groundwater flow direction, and
- 2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

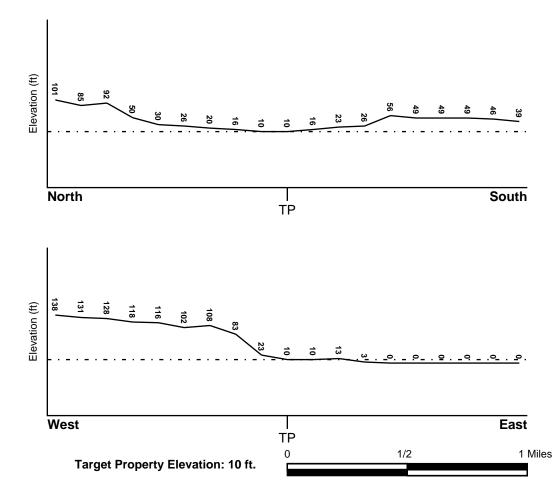
TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General East

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

Flood Plain Panel at Target Property FEMA Source Type

15003C0310G FEMA FIRM Flood data

Additional Panels in search area: FEMA Source Type

15003C0220FFEMA FIRM Flood data15003C0238GFEMA FIRM Flood data15003C0326GFEMA FIRM Flood data

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property Data Coverage

EWA YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

LOCATION GENERAL DIRECTION
MAP ID FROM TP GROUNDWATER FLOW
Not Reported

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

GEOLOGIC AGE IDENTIFICATION

Era: Category: -

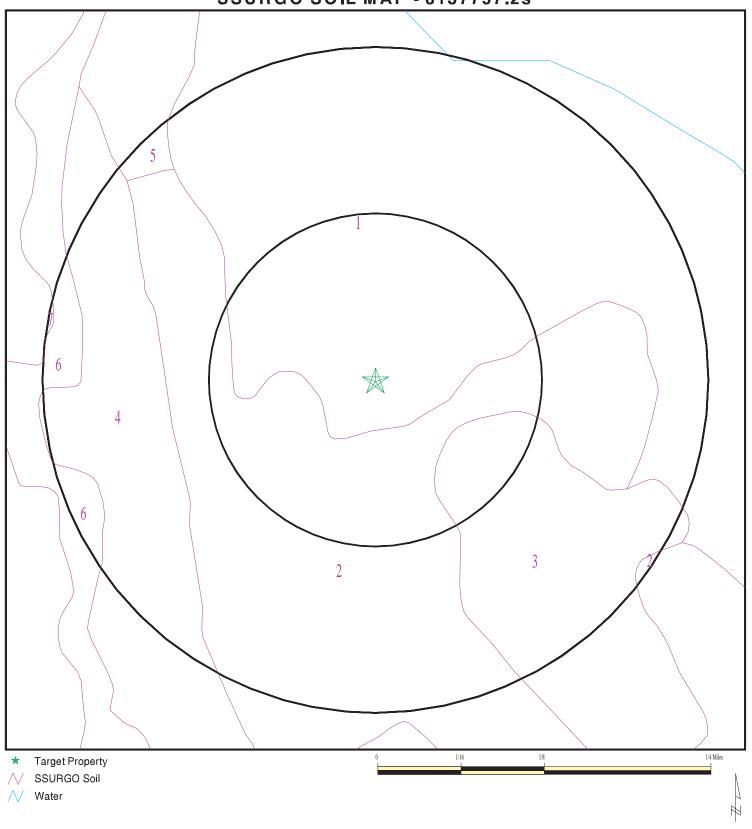
System:

Series:

Code: N/A (decoded above as Era, System & Series)

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

SSURGO SOIL MAP - 8137757.2s



SITE NAME: 22.734-Acre Property ADDRESS: 91-2002 Fort Weaver Road

CLIENT: Ford & Associates, Inc. CONTACT: Tim Swartz INQUIRY #: 8137757.2s Ewa Beach HI 96706 LAT/LONG: 21.361946 / 158.030379 DATE: October 13, 2025 8:37 am

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. The following information is based on Soil Conservation Service SSURGO data.

Soil Map ID: 1

Soil Component Name: Pearl Harbor

Soil Surface Texture: clay

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high

water table, or are shallow to an impervious layer.

Soil Drainage Class: Poorly drained

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 30 inches

	Soil Layer Information							
	Bou	ındary		Classification		Saturated hydraulic		
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	conductivity micro m/sec		
1	0 inches	11 inches	clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	Highly organic soils, Peat.	Max: 0.42 Min: 0.01	Max: 7.8 Min: 7.4	
2	11 inches	31 inches	clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	Highly organic soils, Peat.	Max: 0.42 Min: 0.01	Max: 7.8 Min: 7.4	
3	31 inches	48 inches	muck	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	Highly organic soils, Peat.	Max: 0.42 Min: 0.01	Max: 7.8 Min: 7.4	

Soil Map ID: 2

Soil Component Name: Honouliuli

Soil Surface Texture: clay

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high

water table, or are shallow to an impervious layer.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

	Soil Layer Information						
	Вои	ındary		Classification	Classification		
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	hydraulic conductivity micro m/sec	Oon itcachon
1	0 inches	14 inches	clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit 50% or more), Fat Clay.	Max: 1.41 Min: 0.01	Max: 7.8 Min: 6.6
2	14 inches	68 inches	clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit 50% or more), Fat Clay.	Max: 1.41 Min: 0.01	Max: 7.8 Min: 6.6

Soil Map ID: 3

Soil Component Name: Kaloko variant

Soil Surface Texture: clay

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high

water table, or are shallow to an impervious layer.

Soil Drainage Class: Poorly drained

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

			Soil Layer	r Information			
	Bou	ındary		Classification		Saturated hydraulic	
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	conductivity micro m/sec	
1	0 inches	11 inches	clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit 50% or more), Fat Clay.	Max: 1.41 Min: 0.01	Max: 7.3 Min: 6.1
2	11 inches	20 inches	clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit 50% or more), Fat Clay.	Max: 1.41 Min: 0.01	Max: 7.3 Min: 6.1
3	20 inches	59 inches	silty clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit 50% or more), Fat Clay.	Max: 1.41 Min: 0.01	Max: 7.3 Min: 6.1

Soil Map ID: 4

Soil Component Name: Waialua
Soil Surface Texture: silty clay

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep,

moderately well and well drained soils with moderately coarse

textures.

Soil Drainage Class: Moderately well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

	Soil Layer Information						
	Boundary			Classi	Classification		
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	hydraulic conductivity micro m/sec	Soil Reaction (pH)
1	0 inches	11 inches	silty clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit 50% or more), Fat Clay.	Max: 4.23 Min: 1.41	Max: 7.3 Min: 6.1
2	11 inches	59 inches	silty clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit 50% or more), Fat Clay.	Max: 4.23 Min: 1.41	Max: 7.3 Min: 6.1

Soil Map ID: 5

Soil Component Name: Waipahu

Soil Surface Texture: silty clay

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward

movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Воц	undary		Classi	Classification	Saturated hydraulic	
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		Soil Reaction (pH)
1	0 inches	11 inches	silty clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils	FINE-GRAINED SOILS, Silts and Clays (liquid limit 50% or more), Fat Clay.	Max: 4.23 Min: 0.42	Max: 6.5 Min: 6.1

	Soil Layer Information							
	Bou	ndary		Classif	ication	Saturated hydraulic		
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	conductivity micro m/sec		
2	11 inches	70 inches	silty clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit 50% or more), Fat Clay.	Max: 4.23 Min: 0.42	Max: 6.5 Min: 6.1	

Soil Map ID: 6

Soil Component Name: Helemano

Soil Surface Texture: silty clay

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep,

moderately well and well drained soils with moderately coarse

textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

	Воц	ındary		Classi	fication	Saturated hydraulic	
Layer	Upper	Lower	Soil Texture Class	AASHTO Group Unified Soil conductivit	conductivity micro m/sec		
1	0 inches	9 inches	silty clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit 50% or more), Fat Clay.	Max: 14 Min: 4.23	Max: 7.3 Min: 5.6
2	9 inches	40 inches	paragravelly silty clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit 50% or more), Fat Clay.	Max: 14 Min: 4.23	Max: 7.3 Min: 5.6

	Soil Layer Information						
	Bou	ndary		Classification Saturated hydraulic	Saturated hydraulic		
Layer	Upper	Lower	Soil Texture Class AASHTO Group Unified Soil cond				
3	40 inches	59 inches	very paragravelly silty clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit 50% or more), Fat Clay.	Max: 14 Min: 4.23	Max: 7.3 Min: 5.6

Soil Map ID: 7

Soil Component Name: Waipahu
Soil Surface Texture: silty clay

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward

movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Вои	ındary		Classi	fication	Saturated hydraulic	
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	conductivity micro m/sec	Soil Reaction (pH)
1	0 inches	11 inches	silty clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit 50% or more), Fat Clay.	Max: 4.23 Min: 0.42	Max: 6.5 Min: 6.1
2	11 inches	70 inches	silty clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit 50% or more), Fat Clay.	Max: 4.23 Min: 0.42	Max: 6.5 Min: 6.1

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

DATABASE SEARCH DISTANCE (miles)

Federal USGS 1.000

Federal FRDS PWS Nearest PWS within 1 mile

State Database 1.000

FEDERAL USGS WELL INFORMATION

		LOCATION
MAP ID	WELL ID	FROM TP
	USGS4000 0270083	0 - 1/8 Mile SSE
B3	USGS40000270108	1/8 - 1/4 Mile East
C6	USGS40000270110	1/8 - 1/4 Mile West
D7	USGS40000270085	1/8 - 1/4 Mile WSW
D28	USGS40000270092	1/8 - 1/4 Mile WSW
D29	USGS40000270091	1/8 - 1/4 Mile WSW
D30	USGS40000270093	1/8 - 1/4 Mile WSW
D31	USGS40000270095	1/8 - 1/4 Mile WSW
D32	USGS40000270094	1/8 - 1/4 Mile WSW
D33	USGS40000270087	1/8 - 1/4 Mile WSW
D34	USGS40000270086	1/8 - 1/4 Mile WSW
D35	USGS40000270088	1/8 - 1/4 Mile WSW
D36	USGS40000270090	1/8 - 1/4 Mile WSW
D37	USGS40000270089	1/8 - 1/4 Mile WSW
D38	USGS40000270102	1/8 - 1/4 Mile WSW
D39	USGS40000270101	1/8 - 1/4 Mile WSW
D40	USGS40000270103	1/8 - 1/4 Mile WSW
D41	USGS40000270105	1/8 - 1/4 Mile WSW
D42	USGS40000270104	1/8 - 1/4 Mile WSW
D43	USGS40000270097	1/8 - 1/4 Mile WSW
D44	USGS40000270096	1/8 - 1/4 Mile WSW
D45	USGS40000270098	1/8 - 1/4 Mile WSW
D46	USGS40000270100	1/8 - 1/4 Mile WSW
D47	USGS40000270099	1/8 - 1/4 Mile WSW
E49	USGS40000270076	1/4 - 1/2 Mile South
F51	USGS40000270117	1/4 - 1/2 Mile NW
F52	USGS40000270116	1/4 - 1/2 Mile NW
F53	USGS40000270115	1/4 - 1/2 Mile NW
F54	USGS40000270118	1/4 - 1/2 Mile NW
F55 F56	USGS40000270121 USGS40000270120	1/4 - 1/2 Mile NW 1/4 - 1/2 Mile NW
F57	USGS40000270120 USGS40000270119	1/4 - 1/2 Mile NW
G64	USGS40000270119 USGS40000270128	1/4 - 1/2 Mile NNW
G64 G67	USGS40000270128 USGS40000270130	1/4 - 1/2 Mile North
H68	USGS40000270130 USGS40000270067	1/4 - 1/2 Mile North
ноо H69	USGS40000270067 USGS40000270066	1/4 - 1/2 Mile South
1103	030340000270000	1/4 - 1/2 Wille South

GEOCHECK[®] - PHYSICAL SETTING SOURCE SUMMARY

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
	USGS40000270137	1/4 - 1/2 Mile NNE
H72	USGS40000270062	1/4 - 1/2 Mile South
H73	USGS40000270061	1/4 - 1/2 Mile South
H74	USGS40000270060	1/4 - 1/2 Mile South
H83	USGS40000270058	1/4 - 1/2 Mile South
H84	USGS40000270059	1/4 - 1/2 Mile South
H85	USGS40000270057	1/4 - 1/2 Mile South
H86	USGS40000270056	1/4 - 1/2 Mile South
J87	USGS40000270107	1/4 - 1/2 Mile East
K89	USGS40000270173	1/2 - 1 Mile North
L103	USGS40000270142	1/2 - 1 Mile NW
L104	USGS40000270143	1/2 - 1 Mile NW
L105	USGS40000270144	1/2 - 1 Mile NW
L106	USGS40000270139	1/2 - 1 Mile NW
L107	USGS40000270140	1/2 - 1 Mile NW
L108	USGS40000270141	1/2 - 1 Mile NW
L109	USGS40000270148	1/2 - 1 Mile NW
L110	USGS40000270149	1/2 - 1 Mile NW
L111	USGS40000270150	1/2 - 1 Mile NW
L112	USGS40000270145	1/2 - 1 Mile NW
L113	USGS40000270146	1/2 - 1 Mile NW
L114	USGS40000270147	1/2 - 1 Mile NW
L115	USGS40000270151	1/2 - 1 Mile NW
M118	USGS40000270196	1/2 - 1 Mile North
M119	USGS40000270195	1/2 - 1 Mile North
M120	USGS40000270198	1/2 - 1 Mile North
M121	USGS40000270197	1/2 - 1 Mile North
N125	USGS40000270033	1/2 - 1 Mile SSW
O126	USGS40000270175	1/2 - 1 Mile NE
O127	USGS40000270172	1/2 - 1 Mile NE
P131	USGS40000270030	1/2 - 1 Mile SSE
Q132	USGS40000270224	1/2 - 1 Mile North

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

		LOCATION
MAP ID	WELL ID	FROM TP
F50	HI0000322	1/4 - 1/2 Mile NW

Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
	HI1300000001191	0 - 1/8 Mile South
B4	HI130000001193	1/8 - 1/4 Mile East
C5	HI130000001205	1/8 - 1/4 Mile West
D8	HI130000001226	1/8 - 1/4 Mile WSW
D9	HI130000001213	1/8 - 1/4 Mile WSW

GEOCHECK[®] - PHYSICAL SETTING SOURCE SUMMARY

STATE DATABASE WELL INFORMATION

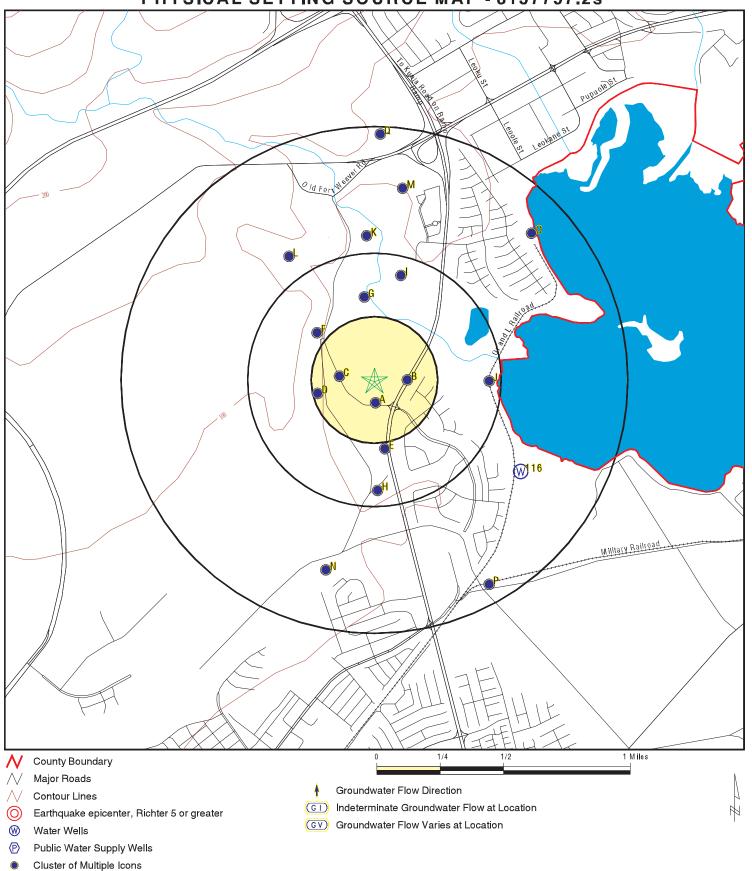
		LOCATION
MAP ID	WELL ID	FROM TP
	<u> </u>	4/9 4/4 Mile M/CM/
D10 D11	HI1300000001212 HI130000001215	1/8 - 1/4 Mile WSW 1/8 - 1/4 Mile WSW
D11	HI1300000001213	1/8 - 1/4 Mile WSW
D12	HI1300000001214	1/8 - 1/4 Mile WSW
D13 D14	HI130000001211 HI1300000001208	1/8 - 1/4 Mile WSW
D14 D15	HI1300000001206	1/8 - 1/4 Mile WSW
D16	HI1300000001200	1/8 - 1/4 Mile WSW
D10 D17	HI1300000001210	1/8 - 1/4 Mile WSW
D17	HI1300000001203	1/8 - 1/4 Mile WSW
D19	HI1300000001223	1/8 - 1/4 Mile WSW
D20	HI1300000001222	1/8 - 1/4 Mile WSW
D21	HI1300000001225	1/8 - 1/4 Mile WSW
D22	HI1300000001224	1/8 - 1/4 Mile WSW
D23	HI1300000001221	1/8 - 1/4 Mile WSW
D24	HI130000001218	1/8 - 1/4 Mile WSW
D25	HI130000001217	1/8 - 1/4 Mile WSW
D26	HI130000001220	1/8 - 1/4 Mile WSW
D27	HI130000001219	1/8 - 1/4 Mile WSW
E48	HI130000001194	1/4 - 1/2 Mile South
F58	HI130000001330	1/4 - 1/2 Mile NW
F59	HI130000001329	1/4 - 1/2 Mile NW
F60	HI130000001328	1/4 - 1/2 Mile NW
F61	HI130000001333	1/4 - 1/2 Mile NW
F62	HI130000001332	1/4 - 1/2 Mile NW
F63	HI130000001331	1/4 - 1/2 Mile NW
G65	HI130000001335	1/4 - 1/2 Mile NNW
G66	HI130000001315	1/4 - 1/2 Mile North
170	HI130000001301	1/4 - 1/2 Mile NNE
H75	HI130000001201	1/4 - 1/2 Mile South
H76	HI130000001197	1/4 - 1/2 Mile South
H77	HI130000001196	1/4 - 1/2 Mile South
H78	HI130000001195	1/4 - 1/2 Mile South
H79	HI130000001198	1/4 - 1/2 Mile South
H80	HI130000001202	1/4 - 1/2 Mile South
H81	HI130000001200	1/4 - 1/2 Mile South
H82	HI130000001199	1/4 - 1/2 Mile South
J88	HI130000001203	1/4 - 1/2 Mile East
K90	HI130000001314	1/2 - 1 Mile North
L91	HI130000001319	1/2 - 1 Mile NW
L92	HI130000001320	1/2 - 1 Mile NW
L93	HI130000001321	1/2 - 1 Mile NW
L94	HI130000001316	1/2 - 1 Mile NW
L95	HI130000001317	1/2 - 1 Mile NW
L96	HI130000001318	1/2 - 1 Mile NW
L97	HI130000001325	1/2 - 1 Mile NW
L98	HI130000001326	1/2 - 1 Mile NW
L99	HI130000001327	1/2 - 1 Mile NW
L100	HI130000001322	1/2 - 1 Mile NW
L101	HI130000001323	1/2 - 1 Mile NW
L102	HI130000001324	1/2 - 1 Mile NW
116	HI130000001204	1/2 - 1 Mile ESE
M117	HI130000001306	1/2 - 1 Mile North

GEOCHECK[®] - PHYSICAL SETTING SOURCE SUMMARY

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
N122	HI1300000001207	1/2 - 1 Mile SSW
M123	HI130000001302	1/2 - 1 Mile North
M124	HI130000001303	1/2 - 1 Mile North
O128	HI130000001312	1/2 - 1 Mile NE
O129	HI130000001310	1/2 - 1 Mile NE
P130	HI130000001192	1/2 - 1 Mile SSE
Q133	HI130000001308	1/2 - 1 Mile North

PHYSICAL SETTING SOURCE MAP - 8137757.2s



SITE NAME: 22.734-Acre Property
ADDRESS: 91-2002 Fort Weaver Road

Ewa Beach HI 96706 LAT/LONG: 21.361946 / 158.030379 CLIENT: Ford & Associates, Inc. CONTACT: Tim Swartz

INQUIRY #: 8137757.2s

DATE: October 13, 2025 8:37 am

Map ID Direction Distance

EDR ID Number Elevation Database

A1 SSE

FED USGS USGS40000270083

HI130000001191

HI WELLS

0 - 1/8 Mile Higher

> Organization ID: USGS-HI Organization Name: USGS Hawaii Water Science Center

Monitor Location: 3-2101-01 W265 Type: Well HUC: 20060000 Description: Not Reported Drainage Area: Not Reported Drainage Area Units: Not Reported Contrib Drainage Area: Not Reported Contrib Drainage Area Unts: Not Reported Aquifer: Not Reported Formation Type: Not Reported Aquifer Type: Not Reported Construction Date: 18990201 325 ft

Well Depth: Well Depth Units:

Well Hole Depth: Not Reported Well Hole Depth Units: Not Reported

A2 South 0 - 1/8 Mile Higher

> Well #: 3-2101-001 Well Name: Honouliuli Original Name: Kahua Meat Aquifer Type: Basal

Year Drilled: Not Reported Driller: Not Reported

Well Depth (ft):

Land Owner: Roman Catholic Church in the State of Hawaii

Well Construction Type: Pump Installer: Not Reported Not Reported

Casing Diameter (in): Ground Elevation (ft): 20

Not Reported Solid Casing Depth (ft): 208 Perf Casing Depth (ft): Major Well Use: Unused Initial Water Level (ft): 18.6

Water Level After Drilling (ft): Not Reported Chloride Content (mg/l): 340 Test Pump Rate (g/m): Date Tested: Not Reported

Not Reported Test Drawdown Rate (ft): Not Reported Test Chloride Content (mg/l): Not Reported Not Reported Test Unit: Not Reported Test Water Temp: Not Reported Pump GPM: Not Reported Max Chloride Level: Min Chloride Level: Not Reported Not Reported Pump Installed: Not Reported Draft Year: Hole Bottom Elevation: -305

Solid Casing Bot Elevation: -188 Perf Casing Bot Elevation: Not Reported Pump Capacity (MM gal/day): Not Reported Pump Intake Depth (ft): Not Reported Latest WCR2 Report: Latest WCR1 Report: Not Reported Not Reported

Transmissivity: Not Reported

USGS40000270108 **FED USGS** East

1/8 - 1/4 Mile Higher

> Organization ID: USGS-HI Organization Name: USGS Hawaii Water Science Center

Monitor Location: 3-2101-03 Honouliuli, Oahu, HI

Well Description: formar local no. W266 Type: HÜC: 20060000 Drainage Area: Not Reported

Drainage Area Units: Not Reported Contrib Drainage Area: Not Reported

Contrib Drainage Area Unts: Not Reported Aquifer: Hawaii volcanic-rock aquifers

Formation Type: Koolau Volcanic Series, Lava Flows

Aquifer Type: Confined single aquifer Construction Date: 19100101 Well Depth: Well Depth Units: 355 ft Well Hole Depth: 355 Well Hole Depth Units: ft

Ground water levels, Number of M Feet below surface: Note:	Aeasurements: Not Reported Not Reported	427	Level reading date: Feet to sea level:	2004-09-20 18.88
Level reading date:	2004-06-01		Feet below surface:	Not Reported
Feet to sea level:	18.45		Note:	Not Reported
Level reading date:	2004-04-13		Feet below surface:	Not Reported
Feet to sea level:	17.90		Note:	Not Reported
Level reading date:	2004-03-05		Feet below surface:	Not Reported
Feet to sea level:	17.79		Note:	Not Reported
Level reading date:	2003-12-24		Feet below surface:	Not Reported
Feet to sea level:	16.35		Note:	Not Reported
Level reading date:	2003-10-17		Feet below surface:	Not Reported
Feet to sea level:	16.04		Note:	Not Reported
Level reading date:	2003-08-11		Feet below surface:	Not Reported
Feet to sea level:	16.05		Note:	Not Reported
Level reading date:	2003-06-24		Feet below surface:	Not Reported
Feet to sea level:	16.47		Note:	Not Reported
Level reading date:	2003-05-15		Feet below surface:	Not Reported
Feet to sea level:	16.81		Note:	Not Reported
Level reading date:	2003-03-21		Feet below surface:	Not Reported
Feet to sea level:	17.12		Note:	Not Reported
Level reading date:	2003-01-23		Feet below surface:	Not Reported
Feet to sea level:	17.36		Note:	Not Reported
Level reading date:	2002-12-16		Feet below surface:	Not Reported
Feet to sea level:	17.34		Note:	Not Reported
Level reading date:	2002-10-31		Feet below surface:	Not Reported
Feet to sea level:	17.23		Note:	Not Reported
Level reading date:	2002-09-23		Feet below surface:	Not Reported
Feet to sea level:	16.96		Note:	Not Reported
Level reading date:	2002-08-15		Feet below surface:	Not Reported
Feet to sea level:	17.11		Note:	Not Reported
Level reading date:	2002-05-29		Feet below surface:	Not Reported
Feet to sea level:	17.20		Note:	Not Reported
Level reading date:	2002-03-15		Feet below surface:	Not Reported
Feet to sea level:	16.88		Note:	Not Reported
Level reading date:	2002-01-14		Feet below surface:	Not Reported
Feet to sea level:	16.41		Note:	Not Reported
Level reading date:	2001-11-01		Feet below surface:	Not Reported
Feet to sea level:	16.05		Note:	Not Reported
Level reading date:	2001-09-19		Feet below surface:	Not Reported
Feet to sea level:	14.36		Note:	Not Reported
Level reading date:	2001-08-09		Feet below surface:	Not Reported

Feet to sea level:	15.31	Note:	Not Reported
Level reading date:	2001-06-22	Feet below surface:	Not Reported
Feet to sea level:	15.44	Note:	Not Reported
Level reading date:	2001-04-18	Feet below surface:	Not Reported
Feet to sea level:	13.79	Note:	Not Reported
Level reading date:	2000-12-20	Feet below surface:	Not Reported
Feet to sea level:	16.70	Note:	Not Reported
Level reading date:	2000-10-30	Feet below surface:	Not Reported
Feet to sea level:	16.69	Note:	Not Reported
Level reading date:	2000-09-01	Feet below surface:	Not Reported
Feet to sea level:	16.80	Note:	Not Reported
Level reading date:	2000-08-01	Feet below surface:	Not Reported
Feet to sea level:	17.04	Note:	Not Reported
Level reading date:	2000-05-30	Feet below surface:	Not Reported
Feet to sea level:	17.36	Note:	Not Reported
Level reading date:	2000-03-15	Feet below surface:	Not Reported
Feet to sea level:	17.46	Note:	Not Reported
Level reading date:	2000-01-14	Feet below surface:	Not Reported
Feet to sea level:	17.85	Note:	Not Reported
Level reading date:	1999-11-12	Feet below surface:	Not Reported
Feet to sea level:	17.53	Note:	Not Reported
Level reading date:	1999-09-01	Feet below surface:	Not Reported
Feet to sea level:	17.26	Note:	Not Reported
Level reading date:	1999-08-03	Feet below surface:	Not Reported
Feet to sea level:	17.48	Note:	Not Reported
Level reading date:	1999-06-04	Feet below surface:	Not Reported
Feet to sea level:	17.42	Note:	Not Reported
Level reading date:	1999-02-22	Feet below surface:	Not Reported
Feet to sea level:	17.33	Note:	Not Reported
Level reading date:	1998-12-02	Feet below surface:	Not Reported
Feet to sea level:	16.85	Note:	Not Reported
Level reading date:	1998-09-23	Feet below surface:	Not Reported
Feet to sea level:	16.88	Note:	Not Reported
Level reading date:	1998-08-04	Feet below surface:	Not Reported
Feet to sea level:	17.35	Note:	Not Reported
Level reading date:	1998-05-14	Feet below surface:	Not Reported
Feet to sea level:	18.39	Note:	Not Reported
Level reading date:	1998-03-11	Feet below surface:	Not Reported
Feet to sea level:	18.83	Note:	Not Reported
Level reading date:	1997-12-15	Feet below surface:	Not Reported
Feet to sea level:	19.59	Note:	Not Reported

Level reading date:	1997-09-12	Feet below surface:	Not Reported
Feet to sea level:	19.29	Note:	Not Reported
Level reading date:	1997-06-26	Feet below surface:	Not Reported
Feet to sea level:	19.65	Note:	Not Reported
Level reading date:	1997-01-30	Feet below surface:	Not Reported
Feet to sea level:	19.37	Note:	Not Reported
Level reading date:	1996-08-14	Feet below surface:	Not Reported
Feet to sea level:	16.77	Note:	Not Reported
Level reading date:	1996-05-20	Feet below surface:	Not Reported
Feet to sea level:	17.08	Note:	Not Reported
Level reading date:	1996-04-05	Feet below surface:	Not Reported
Feet to sea level:	17.64	Note:	Not Reported
Level reading date:	1995-09-27	Feet below surface:	Not Reported
Feet to sea level:	16.90	Note:	Not Reported
Level reading date:	1995-06-08	Feet below surface:	Not Reported
Feet to sea level:	17.81	Note:	Not Reported
Level reading date:	1995-05-10	Feet below surface:	Not Reported
Feet to sea level:	17.21	Note:	Not Reported
Level reading date:	1995-03-07	Feet below surface:	Not Reported
Feet to sea level:	18.43	Note:	Not Reported
Level reading date:	1994-12-08	Feet below surface:	Not Reported
Feet to sea level:	18.18	Note:	Not Reported
Level reading date:	1994-09-19	Feet below surface:	Not Reported
Feet to sea level:	17.89	Note:	Not Reported
Level reading date:	1994-07-11	Feet below surface:	Not Reported
Feet to sea level:	15.32	Note:	Not Reported
Level reading date:	1994-05-20	Feet below surface:	Not Reported
Feet to sea level:	17.71	Note:	Not Reported
Level reading date:	1994-03-02	Feet below surface:	Not Reported
Feet to sea level:	14.49	Note:	Not Reported
Level reading date:	1993-10-21	Feet below surface:	Not Reported
Feet to sea level:	14.52	Note:	Not Reported
Level reading date:	1993-09-03	Feet below surface:	Not Reported
Feet to sea level:	14.70	Note:	Not Reported
Level reading date:	1993-06-30	Feet below surface:	Not Reported
Feet to sea level:	14.91	Note:	Not Reported
Level reading date:	1993-03-19	Feet below surface:	Not Reported
Feet to sea level:	16.78	Note:	Not Reported
Level reading date:	1993-01-22	Feet below surface:	Not Reported
Feet to sea level:	15.33	Note:	Not Reported
Level reading date:	1992-12-21	Feet below surface:	Not Reported
Feet to sea level:	16.21	Note:	Not Reported

Level reading date:	1992-10-21	Feet below surface:	Not Reported
Feet to sea level:	14.96	Note:	Not Reported
Level reading date:	1992-08-18	Feet below surface:	Not Reported
Feet to sea level:	15.82	Note:	Not Reported
Level reading date:	1992-06-10	Feet below surface:	Not Reported
Feet to sea level:	14.57	Note:	Not Reported
Level reading date:	1992-04-20	Feet below surface:	Not Reported
Feet to sea level:	16.76	Note:	Not Reported
Level reading date:	1992-02-18	Feet below surface:	Not Reported
Feet to sea level:	19.29	Note:	Not Reported
Level reading date:	1991-12-10	Feet below surface:	Not Reported
Feet to sea level:	18.29	Note:	Not Reported
Level reading date:	1991-10-28	Feet below surface:	Not Reported
Feet to sea level:	17.84	Note:	Not Reported
Level reading date:	1991-06-11	Feet below surface:	Not Reported
Feet to sea level:	18.50	Note:	Not Reported
Level reading date:	1991-04-08	Feet below surface:	Not Reported
Feet to sea level:	18.44	Note:	Not Reported
Level reading date:	1991-01-10	Feet below surface:	Not Reported
Feet to sea level:	18.02	Note:	Not Reported
Level reading date:	1990-09-24	Feet below surface:	Not Reported
Feet to sea level:	15.37	Note:	Not Reported
Level reading date:	1990-09-12	Feet below surface:	Not Reported
Feet to sea level:	15.17	Note:	Not Reported
Level reading date:	1990-08-09	Feet below surface:	Not Reported
Feet to sea level:	15.97	Note:	Not Reported
Level reading date:	1990-06-19	Feet below surface:	Not Reported
Feet to sea level:	16.77	Note:	Not Reported
Level reading date:	1990-04-09	Feet below surface:	Not Reported
Feet to sea level:	19.36	Note:	Not Reported
Level reading date:	1990-03-05	Feet below surface:	Not Reported
Feet to sea level:	20.54	Note:	Not Reported
Level reading date:	1990-02-08	Feet below surface:	Not Reported
Feet to sea level:	20.45	Note:	Not Reported
Level reading date:	1989-12-20	Feet below surface:	Not Reported
Feet to sea level:	19.03	Note:	Not Reported
Level reading date:	1989-12-11	Feet below surface:	Not Reported
Feet to sea level:	19.47	Note:	Not Reported
Level reading date:	1989-10-23	Feet below surface:	Not Reported
Feet to sea level:	20.29	Note:	Not Reported
Level reading date:	1989-09-27	Feet below surface:	Not Reported
Feet to sea level:	16.88	Note:	Not Reported

Level reading date:	1989-07-26	Feet below surface:	Not Reported
Feet to sea level:	18.19	Note:	Not Reported
Level reading date:	1989-06-07	Feet below surface:	Not Reported
Feet to sea level:	18.08	Note:	Not Reported
Level reading date:	1989-04-05	Feet below surface:	Not Reported
Feet to sea level:	18.59	Note:	Not Reported
Level reading date:	1989-02-21	Feet below surface:	Not Reported
Feet to sea level:	19.77	Note:	Not Reported
Level reading date:	1988-12-02	Feet below surface:	Not Reported
Feet to sea level:	16.52	Note:	Not Reported
Level reading date:	1988-08-09	Feet below surface:	Not Reported
Feet to sea level:	15.13	Note:	Not Reported
Level reading date:	1988-06-02	Feet below surface:	Not Reported
Feet to sea level:	15.98	Note:	Not Reported
Level reading date:	1988-03-31	Feet below surface:	Not Reported
Feet to sea level:	16.97	Note:	Not Reported
Level reading date:	1988-02-11	Feet below surface:	Not Reported
Feet to sea level:	17.13	Note:	Not Reported
Level reading date:	1987-12-10	Feet below surface:	Not Reported
Feet to sea level:	14.51	Note:	Not Reported
Level reading date:	1987-09-30	Feet below surface:	Not Reported
Feet to sea level:	13.46	Note:	Not Reported
Level reading date:	1987-08-07	Feet below surface:	Not Reported
Feet to sea level:	13.39	Note:	Not Reported
Level reading date:	1987-06-30	Feet below surface:	Not Reported
Feet to sea level:	14.23	Note:	Not Reported
Level reading date:	1987-05-05	Feet below surface:	Not Reported
Feet to sea level:	14.47	Note:	Not Reported
Level reading date:	1987-03-10	Feet below surface:	Not Reported
Feet to sea level:	15.31	Note:	Not Reported
Level reading date:	1987-01-16	Feet below surface:	Not Reported
Feet to sea level:	15.63	Note:	Not Reported
Level reading date:	1986-11-21	Feet below surface:	Not Reported
Feet to sea level:	14.79	Note:	Not Reported
Level reading date:	1986-10-17	Feet below surface:	Not Reported
Feet to sea level:	13.08	Note:	Not Reported
Level reading date:	1986-09-05	Feet below surface:	Not Reported
Feet to sea level:	12.76	Note:	Not Reported
Level reading date:	1986-07-24	Feet below surface:	Not Reported
Feet to sea level:	12.99	Note:	Not Reported
Level reading date:	1986-06-06	Feet below surface:	Not Reported
Feet to sea level:	13.27	Note:	Not Reported

Level reading date:	1986-04-23	Feet below surface:	Not Reported
Feet to sea level:	14.03	Note:	Not Reported
Level reading date:	1986-03-11	Feet below surface:	Not Reported
Feet to sea level:	15.08	Note:	Not Reported
Level reading date:	1986-02-05	Feet below surface:	Not Reported
Feet to sea level:	15.81	Note:	Not Reported
Level reading date:	1985-12-18	Feet below surface:	Not Reported
Feet to sea level:	15.45	Note:	Not Reported
Level reading date:	1985-11-01	Feet below surface:	Not Reported
Feet to sea level:	14.20	Note:	Not Reported
Level reading date:	1985-09-10	Feet below surface:	Not Reported
Feet to sea level:	12.89	Note:	Not Reported
Level reading date:	1985-07-25	Feet below surface:	Not Reported
Feet to sea level:	13.07	Note:	Not Reported
Level reading date:	1985-06-13	Feet below surface:	Not Reported
Feet to sea level:	13.81	Note:	Not Reported
Level reading date:	1985-04-23	Feet below surface:	Not Reported
Feet to sea level:	14.76	Note:	Not Reported
Level reading date:	1985-03-12	Feet below surface:	Not Reported
Feet to sea level:	16.36	Note:	Not Reported
Level reading date:	1985-01-14	Feet below surface:	Not Reported
Feet to sea level:	16.75	Note:	Not Reported
Level reading date:	1984-10-18	Feet below surface:	Not Reported
Feet to sea level:	12.80	Note:	Not Reported
Level reading date:	1984-09-13	Feet below surface:	Not Reported
Feet to sea level:	13.04	Note:	Not Reported
Level reading date:	1984-08-02	Feet below surface:	Not Reported
Feet to sea level:	13.18	Note:	Not Reported
Level reading date:	1984-06-06	Feet below surface:	Not Reported
Feet to sea level:	14.03	Note:	Not Reported
Level reading date:	1984-04-23	Feet below surface:	Not Reported
Feet to sea level:	14.79	Note:	Not Reported
Level reading date:	1984-03-09	Feet below surface:	Not Reported
Feet to sea level:	15.86	Note:	Not Reported
Level reading date:	1984-01-18	Feet below surface:	Not Reported
Feet to sea level:	16.75	Note:	Not Reported
Level reading date:	1983-12-02	Feet below surface:	Not Reported
Feet to sea level:	15.33	Note:	Not Reported
Level reading date:	1983-10-13	Feet below surface:	Not Reported
Feet to sea level:	15.32	Note:	Not Reported
Level reading date:	1983-09-09	Feet below surface:	Not Reported
Feet to sea level:	16.25	Note:	Not Reported

Level reading date:	1983-07-26	Feet below surface:	Not Reported
Feet to sea level:	16.63	Note:	Not Reported
Level reading date:	1983-05-25	Feet below surface:	Not Reported
Feet to sea level:	17.94	Note:	Not Reported
Level reading date:	1983-04-26	Feet below surface:	Not Reported
Feet to sea level:	19.12	Note:	Not Reported
Level reading date:	1983-01-28	Feet below surface:	Not Reported
Feet to sea level:	20.89	Note:	Not Reported
Level reading date:	1982-12-08	Feet below surface:	Not Reported
Feet to sea level:	21.66	Note:	Not Reported
Level reading date:	1982-10-14	Feet below surface:	Not Reported
Feet to sea level:	17.70	Note:	Not Reported
Level reading date:	1982-08-09	Feet below surface:	Not Reported
Feet to sea level:	18.20	Note:	Not Reported
Level reading date:	1982-05-13	Feet below surface:	Not Reported
Feet to sea level:	18.35	Note:	Not Reported
Level reading date:	1981-10-27	Feet below surface:	Not Reported
Feet to sea level:	12.66	Note:	Not Reported
Level reading date:	1981-09-17	Feet below surface:	Not Reported
Feet to sea level:	13.02	Note:	Not Reported
Level reading date:	1981-07-30	Feet below surface:	Not Reported
Feet to sea level:	13.83	Note:	Not Reported
Level reading date:	1981-04-30	Feet below surface:	Not Reported
Feet to sea level:	15.64	Note:	Not Reported
Level reading date:	1981-03-10	Feet below surface:	Not Reported
Feet to sea level:	16.62	Note:	Not Reported
Level reading date:	1981-02-10	Feet below surface:	Not Reported
Feet to sea level:	17.59	Note:	Not Reported
Level reading date:	1980-12-31	Feet below surface:	Not Reported
Feet to sea level:	19.45	Note:	Not Reported
Level reading date:	1980-11-17	Feet below surface:	Not Reported
Feet to sea level:	15.39	Note:	Not Reported
Level reading date:	1980-09-26	Feet below surface:	Not Reported
Feet to sea level:	15.57	Note:	Not Reported
Level reading date:	1980-08-19	Feet below surface:	Not Reported
Feet to sea level:	15.91	Note:	Not Reported
Level reading date:	1980-07-03	Feet below surface:	Not Reported
Feet to sea level:	16.12	Note:	Not Reported
Level reading date:	1980-05-22	Feet below surface:	Not Reported
Feet to sea level:	15.41	Note:	Not Reported
Level reading date:	1980-04-11	Feet below surface:	Not Reported
Feet to sea level:	15.44	Note:	Not Reported

Level reading date:	1980-03-04	Feet below surface:	Not Reported
Feet to sea level:	16.54	Note:	Not Reported
Level reading date:	1980-01-18	Feet below surface:	Not Reported
Feet to sea level:	18.25	Note:	Not Reported
Level reading date:	1979-11-29	Feet below surface:	Not Reported
Feet to sea level:	15.34	Note:	Not Reported
Level reading date:	1979-10-23	Feet below surface:	Not Reported
Feet to sea level:	13.86	Note:	Not Reported
Level reading date:	1979-09-11	Feet below surface:	Not Reported
Feet to sea level:	14.25	Note:	Not Reported
Level reading date:	1979-07-25	Feet below surface:	Not Reported
Feet to sea level:	14.93	Note:	Not Reported
Level reading date:	1979-06-18	Feet below surface:	Not Reported
Feet to sea level:	15.98	Note:	Not Reported
Level reading date:	1979-04-27	Feet below surface:	Not Reported
Feet to sea level:	15.64	Note:	Not Reported
Level reading date:	1979-03-21	Feet below surface:	Not Reported
Feet to sea level:	16.47	Note:	Not Reported
Level reading date:	1979-02-05	Feet below surface:	Not Reported
Feet to sea level:	16.22	Note:	Not Reported
Level reading date:	1978-12-26	Feet below surface:	Not Reported
Feet to sea level:	15.54	Note:	Not Reported
Level reading date:	1978-09-20	Feet below surface:	Not Reported
Feet to sea level:	11.54	Note:	Not Reported
Level reading date:	1978-08-09	Feet below surface:	Not Reported
Feet to sea level:	12.25	Note:	Not Reported
Level reading date:	1978-07-05	Feet below surface:	Not Reported
Feet to sea level:	14.04	Note:	Not Reported
Level reading date:	1978-05-22	Feet below surface:	Not Reported
Feet to sea level:	13.59	Note:	Not Reported
Level reading date:	1978-04-07	Feet below surface:	Not Reported
Feet to sea level:	11.43	Note:	Not Reported
Level reading date:	1978-02-17	Feet below surface:	Not Reported
Feet to sea level:	12.00	Note:	Not Reported
Level reading date:	1978-01-11	Feet below surface:	Not Reported
Feet to sea level:	14.05	Note:	Not Reported
Level reading date:	1977-12-01	Feet below surface:	Not Reported
Feet to sea level:	11.88	Note:	Not Reported
Level reading date:	1977-07-26	Feet below surface:	Not Reported
Feet to sea level:	11.60	Note:	Not Reported
Level reading date:	1977-06-13	Feet below surface:	Not Reported
Feet to sea level:	12.61	Note:	Not Reported

Level reading date:	1977-04-28	Feet below surface:	Not Reported
Feet to sea level:	11.97	Note:	Not Reported
Level reading date:	1977-03-14	Feet below surface:	Not Reported
Feet to sea level:	12.01	Note:	Not Reported
Level reading date:	1977-01-26	Feet below surface:	Not Reported
Feet to sea level:	14.72	Note:	Not Reported
Level reading date:	1976-12-07	Feet below surface:	Not Reported
Feet to sea level:	13.34	Note:	Not Reported
Level reading date:	1976-10-27	Feet below surface:	Not Reported
Feet to sea level:	12.69	Note:	Not Reported
Level reading date:	1976-09-13	Feet below surface:	Not Reported
Feet to sea level:	13.10	Note:	Not Reported
Level reading date:	1976-07-22	Feet below surface:	Not Reported
Feet to sea level:	13.91	Note:	Not Reported
Level reading date:	1976-06-16	Feet below surface:	Not Reported
Feet to sea level:	13.57	Note:	Not Reported
Level reading date:	1976-05-05	Feet below surface:	Not Reported
Feet to sea level:	13.92	Note:	Not Reported
Level reading date:	1976-03-25	Feet below surface:	Not Reported
Feet to sea level:	14.37	Note:	Not Reported
Level reading date:	1975-11-10	Feet below surface:	Not Reported
Feet to sea level:	13.21	Note:	Not Reported
Level reading date:	1975-09-29	Feet below surface:	Not Reported
Feet to sea level:	13.48	Note:	Not Reported
Level reading date:	1975-08-18	Feet below surface:	Not Reported
Feet to sea level:	14.04	Note:	Not Reported
Level reading date:	1975-07-07	Feet below surface:	Not Reported
Feet to sea level:	15.63	Note:	Not Reported
Level reading date:	1975-05-27	Feet below surface:	Not Reported
Feet to sea level:	16.39	Note:	Not Reported
Level reading date:	1975-04-14	Feet below surface:	Not Reported
Feet to sea level:	16.79	Note:	Not Reported
Level reading date:	1975-02-18	Feet below surface:	Not Reported
Feet to sea level:	18.08	Note:	Not Reported
Level reading date:	1974-11-21	Feet below surface:	Not Reported
Feet to sea level:	15.52	Note:	Not Reported
Level reading date:	1974-08-13	Feet below surface:	Not Reported
Feet to sea level:	14.30	Note:	Not Reported
Level reading date:	1974-06-27	Feet below surface:	Not Reported
Feet to sea level:	14.41	Note:	Not Reported
Level reading date:	1974-04-18	Feet below surface:	Not Reported
Feet to sea level:	15.94	Note:	Not Reported

Level reading date:	1974-03-20	Feet below surface:	Not Reported
Feet to sea level:	18.45	Note:	Not Reported
Level reading date:	1974-03-13	Feet below surface:	Not Reported
Feet to sea level:	18.02	Note:	Not Reported
Level reading date:	1974-02-19	Feet below surface:	Not Reported
Feet to sea level:	16.97	Note:	Not Reported
Level reading date:	1974-01-18	Feet below surface:	Not Reported
Feet to sea level:	17.91	Note:	Not Reported
Level reading date:	1974-01-16	Feet below surface:	Not Reported
Feet to sea level:	17.78	Note:	Not Reported
Level reading date:	1973-12-10	Feet below surface:	Not Reported
Feet to sea level:	14.02	Note:	Not Reported
Level reading date:	1973-11-15	Feet below surface:	Not Reported
Feet to sea level:	12.36	Note:	Not Reported
Level reading date:	1973-11-02	Feet below surface:	Not Reported
Feet to sea level:	11.73	Note:	Not Reported
Level reading date:	1973-10-15	Feet below surface:	Not Reported Not Reported
Feet to sea level:	11.51	Note:	
Level reading date:	1973-09-11	Feet below surface:	Not Reported Not Reported
Feet to sea level:	11.52	Note:	
Level reading date:	1973-09-06	Feet below surface:	Not Reported Not Reported
Feet to sea level:	11.53	Note:	
Level reading date: Feet to sea level:	1973-08-03 11.51	Feet below surface: Note:	Not Reported Not Reported
Level reading date:	1973-07-02	Feet below surface:	Not Reported Not Reported
Feet to sea level:	12.51	Note:	
Level reading date:	1973-06-12	Feet below surface:	Not Reported Not Reported
Feet to sea level:	12.37	Note:	
Level reading date: Feet to sea level:	1973-06-06 12.41	Feet below surface: Note:	Not Reported Not Reported
Level reading date:	1973-05-07	Feet below surface:	Not Reported
Feet to sea level:	12.33	Note:	Not Reported
Level reading date:	1973-04-11	Feet below surface:	Not Reported Not Reported
Feet to sea level:	12.91	Note:	
Level reading date:	1973-03-12	Feet below surface:	Not Reported Not Reported
Feet to sea level:	13.77	Note:	
Level reading date:	1973-02-12	Feet below surface:	Not Reported Not Reported
Feet to sea level:	15.89	Note:	
Level reading date:	1973-01-15	Feet below surface:	Not Reported Not Reported
Feet to sea level:	14.91	Note:	
Level reading date:	1972-12-11	Feet below surface:	Not Reported
Feet to sea level:	14.33	Note:	Not Reported

Level reading date:	1972-11-21	Feet below surface:	Not Reported
Feet to sea level:	13.78	Note:	Not Reported
Level reading date:	1972-11-21	Feet below surface:	Not Reported
Feet to sea level:	13.78	Note:	Not Reported
Level reading date:	1972-10-25	Feet below surface:	Not Reported
Feet to sea level:	12.82	Note:	Not Reported
Level reading date:	1972-09-22	Feet below surface:	Not Reported
Feet to sea level:	13.31	Note:	Not Reported
Level reading date:	1972-09-18	Feet below surface:	Not Reported
Feet to sea level:	13.36	Note:	Not Reported
Level reading date:	1972-08-16	Feet below surface:	Not Reported
Feet to sea level:	13.76	Note:	Not Reported
Level reading date:	1972-07-18	Feet below surface:	Not Reported
Feet to sea level:	14.05	Note:	Not Reported
Level reading date:	1972-06-14	Feet below surface:	Not Reported
Feet to sea level:	14.85	Note:	Not Reported
Level reading date:	1972-05-18	Feet below surface:	Not Reported
Feet to sea level:	15.74	Note:	Not Reported
Level reading date:	1972-04-12	Feet below surface:	Not Reported
Feet to sea level:	16.31	Note:	Not Reported
Level reading date:	1972-03-21	Feet below surface:	Not Reported
Feet to sea level:	17.39	Note:	Not Reported
Level reading date:	1972-02-29	Feet below surface:	Not Reported
Feet to sea level:	18.53	Note:	Not Reported
Level reading date:	1972-01-24	Feet below surface:	Not Reported
Feet to sea level:	19.57	Note:	Not Reported
Level reading date:	1971-12-13	Feet below surface:	Not Reported
Feet to sea level:	16.56	Note:	Not Reported
Level reading date:	1971-11-24	Feet below surface:	Not Reported
Feet to sea level:	15.52	Note:	Not Reported
Level reading date:	1971-09-20	Feet below surface:	Not Reported
Feet to sea level:	15.69	Note:	Not Reported
Level reading date:	1971-08-25	Feet below surface:	Not Reported
Feet to sea level:	15.85	Note:	Not Reported
Level reading date:	1971-07-15	Feet below surface:	Not Reported
Feet to sea level:	17.30	Note:	Not Reported
Level reading date:	1971-06-01	Feet below surface:	Not Reported
Feet to sea level:	18.29	Note:	Not Reported
Level reading date:	1971-05-10	Feet below surface:	Not Reported
Feet to sea level:	17.96	Note:	Not Reported
Level reading date:	1971-04-13	Feet below surface:	Not Reported
Feet to sea level:	17.84	Note:	Not Reported

Level reading date:	1971-03-23	Feet below surface:	Not Reported
Feet to sea level:	17.29	Note:	Not Reported
Level reading date:	1971-02-26	Feet below surface:	Not Reported
Feet to sea level:	18.02	Note:	Not Reported
Level reading date:	1971-01-26	Feet below surface:	Not Reported
Feet to sea level:	20.03	Note:	Not Reported
Level reading date:	1970-12-17	Feet below surface:	Not Reported
Feet to sea level:	15.30	Note:	Not Reported
Level reading date:	1970-11-16	Feet below surface:	Not Reported
Feet to sea level:	13.87	Note:	Not Reported
Level reading date:	1970-10-27	Feet below surface:	Not Reported
Feet to sea level:	13.35	Note:	Not Reported
Level reading date:	1970-09-23	Feet below surface:	Not Reported
Feet to sea level:	12.50	Note:	Not Reported
Level reading date:	1970-08-17	Feet below surface:	Not Reported
Feet to sea level:	13.24	Note:	Not Reported
Level reading date:	1970-07-28	Feet below surface:	Not Reported
Feet to sea level:	13.59	Note:	Not Reported
Level reading date:	1970-06-17	Feet below surface:	Not Reported
Feet to sea level:	14.05	Note:	Not Reported
Level reading date:	1970-04-27	Feet below surface:	Not Reported
Feet to sea level:	15.21	Note:	Not Reported
Level reading date:	1970-03-18	Feet below surface:	Not Reported
Feet to sea level:	16.23	Note:	Not Reported
Level reading date:	1970-02-25	Feet below surface:	Not Reported
Feet to sea level:	17.05	Note:	Not Reported
Level reading date:	1970-01-14	Feet below surface:	Not Reported
Feet to sea level:	20.46	Note:	Not Reported
Level reading date:	1969-12-23	Feet below surface:	Not Reported
Feet to sea level:	18.00	Note:	Not Reported
Level reading date:	1969-11-24	Feet below surface:	Not Reported
Feet to sea level:	20.42	Note:	Not Reported
Level reading date:	1969-10-29	Feet below surface:	Not Reported
Feet to sea level:	16.70	Note:	Not Reported
Level reading date:	1969-09-23	Feet below surface:	Not Reported
Feet to sea level:	17.04	Note:	Not Reported
Level reading date:	1969-08-12	Feet below surface:	Not Reported
Feet to sea level:	17.87	Note:	Not Reported
Level reading date:	1969-07-23	Feet below surface:	Not Reported
Feet to sea level:	18.32	Note:	Not Reported
Level reading date:	1969-06-26	Feet below surface:	Not Reported
Feet to sea level:	18.88	Note:	Not Reported

Level reading date:	1969-05-27	Feet below surface:	Not Reported
Feet to sea level:	19.35	Note:	Not Reported
Level reading date:	1969-04-30	Feet below surface:	Not Reported
Feet to sea level:	19.24	Note:	Not Reported
Level reading date:	1969-03-18	Feet below surface:	Not Reported
Feet to sea level:	23.0	Note:	Not Reported
Level reading date:	1969-02-25	Feet below surface:	Not Reported
Feet to sea level:	24.6	Note:	Not Reported
Level reading date:	1969-01-17	Feet below surface:	Not Reported
Feet to sea level:	25.6	Note:	Not Reported
Level reading date:	1968-12-27	Feet below surface:	Not Reported
Feet to sea level:	22.20	Note:	Not Reported
Level reading date:	1968-11-22	Feet below surface:	Not Reported
Feet to sea level:	16.99	Note:	Not Reported
Level reading date:	1968-10-23	Feet below surface:	Not Reported
Feet to sea level:	17.57	Note:	Not Reported
Level reading date:	1968-09-23	Feet below surface:	Not Reported
Feet to sea level:	16.59	Note:	Not Reported
Level reading date:	1968-08-16	Feet below surface:	Not Reported
Feet to sea level:	17.41	Note:	Not Reported
Level reading date:	1968-07-29	Feet below surface:	Not Reported
Feet to sea level:	17.87	Note:	Not Reported
Level reading date:	1968-06-17	Feet below surface:	Not Reported
Feet to sea level:	19.17	Note:	Not Reported
Level reading date:	1968-05-21	Feet below surface:	Not Reported
Feet to sea level:	20.12	Note:	Not Reported
Level reading date:	1968-04-26	Feet below surface:	Not Reported
Feet to sea level:	20.86	Note:	Not Reported
Level reading date:	1968-03-14	Feet below surface:	Not Reported
Feet to sea level:	20.81	Note:	Not Reported
Level reading date:	1968-02-09	Feet below surface:	Not Reported
Feet to sea level:	23.8	Note:	Not Reported
Level reading date:	1968-01-08	Feet below surface:	Not Reported
Feet to sea level:	22.8	Note:	Not Reported
Level reading date:	1967-12-26	Feet below surface:	Not Reported
Feet to sea level:	22.23	Note:	Not Reported
Level reading date:	1967-11-16	Feet below surface:	Not Reported
Feet to sea level:	17.21	Note:	Not Reported
Level reading date:	1967-10-24	Feet below surface:	Not Reported
Feet to sea level:	16.67	Note:	Not Reported
Level reading date:	1967-09-27	Feet below surface:	Not Reported
Feet to sea level:	16.81	Note:	Not Reported

Level reading date:	1967-09-07	Feet below surface:	Not Reported
Feet to sea level:	17.72	Note:	Not Reported
Level reading date:	1967-08-29	Feet below surface:	Not Reported
Feet to sea level:	17.66	Note:	Not Reported
Level reading date:	1967-08-23	Feet below surface:	Not Reported
Feet to sea level:	17.55	Note:	Not Reported
Level reading date:	1967-08-16	Feet below surface:	Not Reported
Feet to sea level:	17.78	Note:	Not Reported
Level reading date:	1967-08-10	Feet below surface:	Not Reported
Feet to sea level:	17.92	Note:	Not Reported
Level reading date:	1967-08-03	Feet below surface:	Not Reported
Feet to sea level:	17.32	Note:	Not Reported
Level reading date:	1967-07-24	Feet below surface:	Not Reported
Feet to sea level:	18.08	Note:	Not Reported
Level reading date:	1967-07-20	Feet below surface:	Not Reported
Feet to sea level:	17.60	Note:	Not Reported
Level reading date:	1967-07-12	Feet below surface:	Not Reported
Feet to sea level:	17.77	Note:	Not Reported
Level reading date:	1967-07-07	Feet below surface:	Not Reported
Feet to sea level:	17.93	Note:	Not Reported
Level reading date:	1967-06-27	Feet below surface:	Not Reported
Feet to sea level:	17.87	Note:	Not Reported
Level reading date:	1967-06-20	Feet below surface:	Not Reported
Feet to sea level:	18.14	Note:	Not Reported
Level reading date:	1967-06-02	Feet below surface:	Not Reported
Feet to sea level:	17.98	Note:	Not Reported
Level reading date:	1967-05-25	Feet below surface:	Not Reported
Feet to sea level:	18.15	Note:	Not Reported
Level reading date:	1967-05-16	Feet below surface:	Not Reported
Feet to sea level:	18.21	Note:	Not Reported
Level reading date:	1967-05-08	Feet below surface:	Not Reported
Feet to sea level:	18.52	Note:	Not Reported
Level reading date:	1967-05-02	Feet below surface:	Not Reported
Feet to sea level:	18.34	Note:	Not Reported
Level reading date:	1967-04-28	Feet below surface:	Not Reported
Feet to sea level:	18.30	Note:	Not Reported
Level reading date:	1967-04-21	Feet below surface:	Not Reported
Feet to sea level:	18.46	Note:	Not Reported
Level reading date:	1967-04-12	Feet below surface:	Not Reported
Feet to sea level:	18.55	Note:	Not Reported
Level reading date:	1967-04-05	Feet below surface:	Not Reported
Feet to sea level:	19.09	Note:	Not Reported

Level reading date:	1967-03-29	Feet below surface:	Not Reported
Feet to sea level:	20.66	Note:	Not Reported
Level reading date:	1967-03-23	Feet below surface:	Not Reported
Feet to sea level:	20.23	Note:	Not Reported
Level reading date:	1967-03-16	Feet below surface:	Not Reported
Feet to sea level:	19.21	Note:	Not Reported
Level reading date:	1967-03-08	Feet below surface:	Not Reported
Feet to sea level:	18.55	Note:	Not Reported
Level reading date:	1967-03-01	Feet below surface:	Not Reported
Feet to sea level:	17.55	Note:	Not Reported
Level reading date:	1967-02-24	Feet below surface:	Not Reported
Feet to sea level:	17.80	Note:	Not Reported
Level reading date:	1967-02-17	Feet below surface:	Not Reported
Feet to sea level:	18.19	Note:	Not Reported
Level reading date:	1967-02-08	Feet below surface:	Not Reported
Feet to sea level:	18.10	Note:	Not Reported
Level reading date:	1967-01-31	Feet below surface:	Not Reported
Feet to sea level:	18.24	Note:	Not Reported
Level reading date:	1967-01-26	Feet below surface:	Not Reported
Feet to sea level:	18.24	Note:	Not Reported
Level reading date:	1967-01-19	Feet below surface:	Not Reported
Feet to sea level:	18.23	Note:	Not Reported
Level reading date:	1967-01-12	Feet below surface:	Not Reported
Feet to sea level:	18.37	Note:	Not Reported
Level reading date:	1967-01-05	Feet below surface:	Not Reported
Feet to sea level:	19.69	Note:	Not Reported
Level reading date:	1966-12-19	Feet below surface:	Not Reported
Feet to sea level:	19.08	Note:	Not Reported
Level reading date:	1966-12-15	Feet below surface:	Not Reported
Feet to sea level:	18.19	Note:	Not Reported
Level reading date:	1966-12-08	Feet below surface:	Not Reported
Feet to sea level:	19.22	Note:	Not Reported
Level reading date:	1966-12-01	Feet below surface:	Not Reported
Feet to sea level:	18.37	Note:	Not Reported
Level reading date:	1966-11-21	Feet below surface:	Not Reported
Feet to sea level:	19.20	Note:	Not Reported
Level reading date:	1966-11-16	Feet below surface:	Not Reported
Feet to sea level:	19.64	Note:	Not Reported
Level reading date:	1966-11-07	Feet below surface:	Not Reported
Feet to sea level:	18.71	Note:	Not Reported
Level reading date:	1966-11-03	Feet below surface:	Not Reported
Feet to sea level:	15.99	Note:	Not Reported
1 001 10 000 10101.	10.00	. 10101	Not Reported

Level reading date:	1966-10-24	Feet below surface:	Not Reported
Feet to sea level:	16.36	Note:	Not Reported
Level reading date:	1966-10-19	Feet below surface:	Not Reported
Feet to sea level:	15.83	Note:	Not Reported
Level reading date:	1966-10-13	Feet below surface:	Not Reported
Feet to sea level:	16.16	Note:	Not Reported
Level reading date:	1966-10-06	Feet below surface:	Not Reported
Feet to sea level:	15.28	Note:	Not Reported
Level reading date:	1966-09-28	Feet below surface:	Not Reported
Feet to sea level:	15.07	Note:	Not Reported
Level reading date:	1966-09-23	Feet below surface:	Not Reported
Feet to sea level:	15.11	Note:	Not Reported
Level reading date:	1966-09-13	Feet below surface:	Not Reported
Feet to sea level:	15.57	Note:	Not Reported
Level reading date:	1966-09-08	Feet below surface:	Not Reported
Feet to sea level:	16.15	Note:	Not Reported
Level reading date:	1966-08-31	Feet below surface:	Not Reported
Feet to sea level:	15.68	Note:	Not Reported
Level reading date:	1966-08-25	Feet below surface:	Not Reported
Feet to sea level:	15.82	Note:	Not Reported
Level reading date:	1966-08-18	Feet below surface:	Not Reported
Feet to sea level:	15.98	Note:	Not Reported
Level reading date:	1966-08-11	Feet below surface:	Not Reported
Feet to sea level:	16.26	Note:	Not Reported
Level reading date:	1966-08-01	Feet below surface:	Not Reported
Feet to sea level:	16.69	Note:	Not Reported
Level reading date:	1966-07-25	Feet below surface:	Not Reported
Feet to sea level:	16.91	Note:	Not Reported
Level reading date:	1966-07-20	Feet below surface:	Not Reported
Feet to sea level:	16.78	Note:	Not Reported
Level reading date:	1966-07-15	Feet below surface:	Not Reported
Feet to sea level:	17.00	Note:	Not Reported
Level reading date:	1966-07-06	Feet below surface:	Not Reported
Feet to sea level:	17.80	Note:	Not Reported
Level reading date:	1966-06-30	Feet below surface:	Not Reported
Feet to sea level:	17.48	Note:	Not Reported
Level reading date:	1966-06-21	Feet below surface:	Not Reported
Feet to sea level:	17.90	Note:	Not Reported
Level reading date:	1966-06-16	Feet below surface:	Not Reported
Feet to sea level:	18.08	Note:	Not Reported
Level reading date:	1966-06-07	Feet below surface:	Not Reported
Feet to sea level:	18.56	Note:	Not Reported

Level reading date:	1966-06-03	Feet below surface:	Not Reported
Feet to sea level:	18.53	Note:	Not Reported
Level reading date:	1966-05-26	Feet below surface:	Not Reported
Feet to sea level:	18.92	Note:	Not Reported
Level reading date:	1966-05-18	Feet below surface:	Not Reported
Feet to sea level:	19.24	Note:	Not Reported
Level reading date:	1966-05-12	Feet below surface:	Not Reported
Feet to sea level:	19.25	Note:	Not Reported
Level reading date:	1966-05-04	Feet below surface:	Not Reported
Feet to sea level:	19.55	Note:	Not Reported
Level reading date:	1966-04-26	Feet below surface:	Not Reported
Feet to sea level:	20.24	Note:	Not Reported
Level reading date:	1966-04-14	Feet below surface:	Not Reported
Feet to sea level:	20.23	Note:	Not Reported
Level reading date:	1966-04-06	Feet below surface:	Not Reported
Feet to sea level:	20.50	Note:	Not Reported
Level reading date:	1966-03-29	Feet below surface:	Not Reported
Feet to sea level:	21.25	Note:	Not Reported
Level reading date:	1966-03-22	Feet below surface:	Not Reported
Feet to sea level:	21.47	Note:	Not Reported
Level reading date:	1966-03-15	Feet below surface:	Not Reported
Feet to sea level:	21.92	Note:	Not Reported
Level reading date:	1966-03-08	Feet below surface:	Not Reported
Feet to sea level:	22.40	Note:	Not Reported
Level reading date:	1966-03-01	Feet below surface:	Not Reported
Feet to sea level:	23.80	Note:	Not Reported
Level reading date:	1966-02-25	Feet below surface:	Not Reported
Feet to sea level:	21.40	Note:	Not Reported
Level reading date:	1966-02-17	Feet below surface:	Not Reported
Feet to sea level:	22.10	Note:	Not Reported
Level reading date:	1966-02-10	Feet below surface:	Not Reported
Feet to sea level:	23.80	Note:	Not Reported
Level reading date:	1966-02-01	Feet below surface:	Not Reported
Feet to sea level:	21.10	Note:	Not Reported
Level reading date:	1966-01-26	Feet below surface:	Not Reported
Feet to sea level:	20.90	Note:	Not Reported
Level reading date:	1966-01-19	Feet below surface:	Not Reported
Feet to sea level:	20.80	Note:	Not Reported
Level reading date:	1966-01-12	Feet below surface:	Not Reported
Feet to sea level:	21.40	Note:	Not Reported
Level reading date:	1966-01-03	Feet below surface:	Not Reported
Feet to sea level:	23.80	Note:	Not Reported

Level reading date:	1965-12-27	Feet below surface:	Not Reported
Feet to sea level:	23.90	Note:	Not Reported
Level reading date:	1965-12-22	Feet below surface:	Not Reported
Feet to sea level:	23.40	Note:	Not Reported
Level reading date:	1965-12-16	Feet below surface:	Not Reported
Feet to sea level:	22.50	Note:	Not Reported
Level reading date:	1965-12-09	Feet below surface:	Not Reported
Feet to sea level:	18.73	Note:	Not Reported
Level reading date:	1965-11-30	Feet below surface:	Not Reported
Feet to sea level:	20.12	Note:	Not Reported
Level reading date:	1965-11-22	Feet below surface:	Not Reported
Feet to sea level:	20.83	Note:	Not Reported
Level reading date:	1965-11-16	Feet below surface:	Not Reported
Feet to sea level:	20.39	Note:	Not Reported
Level reading date:	1965-11-09	Feet below surface:	Not Reported
Feet to sea level:	17.37	Note:	Not Reported
Level reading date:	1965-11-04	Feet below surface:	Not Reported
Feet to sea level:	16.41	Note:	Not Reported
Level reading date:	1965-10-28	Feet below surface:	Not Reported
Feet to sea level:	16.94	Note:	Not Reported
Level reading date:	1965-10-19	Feet below surface:	Not Reported
Feet to sea level:	18.04	Note:	Not Reported
Level reading date:	1965-10-15	Feet below surface:	Not Reported
Feet to sea level:	17.55	Note:	Not Reported
Level reading date:	1965-10-07	Feet below surface:	Not Reported
Feet to sea level:	15.02	Note:	Not Reported
Level reading date:	1965-09-27	Feet below surface:	Not Reported
Feet to sea level:	15.34	Note:	Not Reported
Level reading date:	1965-09-24	Feet below surface:	Not Reported
Feet to sea level:	15.17	Note:	Not Reported
Level reading date:	1965-09-15	Feet below surface:	Not Reported
Feet to sea level:	15.30	Note:	Not Reported
Level reading date:	1965-09-09	Feet below surface:	Not Reported
Feet to sea level:	15.52	Note:	Not Reported
Level reading date:	1965-09-02	Feet below surface:	Not Reported
Feet to sea level:	15.34	Note:	Not Reported
Level reading date:	1965-08-25	Feet below surface:	Not Reported
Feet to sea level:	15.70	Note:	Not Reported
Level reading date:	1965-08-18	Feet below surface:	Not Reported
Feet to sea level:	15.40	Note:	Not Reported
Level reading date:	1965-08-10	Feet below surface:	Not Reported
Feet to sea level:	15.55	Note:	Not Reported

Level reading date:	1965-08-02	Feet below surface:	Not Reported
Feet to sea level:	15.78	Note:	Not Reported
Level reading date:	1965-07-26	Feet below surface:	Not Reported
Feet to sea level:	16.02	Note:	Not Reported
Level reading date:	1965-07-22	Feet below surface:	Not Reported
Feet to sea level:	15.78	Note:	Not Reported
Level reading date:	1965-07-13	Feet below surface:	Not Reported
Feet to sea level:	16.10	Note:	Not Reported
Level reading date:	1965-07-08	Feet below surface:	Not Reported
Feet to sea level:	16.10	Note:	Not Reported
Level reading date:	1965-07-01	Feet below surface:	Not Reported
Feet to sea level:	16.02	Note:	Not Reported
Level reading date:	1965-06-24	Feet below surface:	Not Reported
Feet to sea level:	16.37	Note:	Not Reported
Level reading date:	1965-06-16	Feet below surface:	Not Reported
Feet to sea level:	16.70	Note:	Not Reported
Level reading date:	1965-06-07	Feet below surface:	Not Reported
Feet to sea level:	17.42	Note:	Not Reported
Level reading date:	1965-06-04	Feet below surface:	Not Reported
Feet to sea level:	17.32	Note:	Not Reported
Level reading date:	1965-05-28	Feet below surface:	Not Reported
Feet to sea level:	17.50	Note:	Not Reported
Level reading date:	1965-05-21	Feet below surface:	Not Reported
Feet to sea level:	18.95	Note:	Not Reported
Level reading date:	1965-05-12	Feet below surface:	Not Reported
Feet to sea level:	17.86	Note:	Not Reported
Level reading date:	1965-05-04	Feet below surface:	Not Reported
Feet to sea level:	18.23	Note:	Not Reported
Level reading date:	1965-04-28	Feet below surface:	Not Reported
Feet to sea level:	16.22	Note:	Not Reported
Level reading date:	1965-04-23	Feet below surface:	Not Reported
Feet to sea level:	16.21	Note:	Not Reported
Level reading date:	1965-04-15	Feet below surface:	Not Reported
Feet to sea level:	16.07	Note:	Not Reported
Level reading date:	1965-04-05	Feet below surface:	Not Reported
Feet to sea level:	16.15	Note:	Not Reported
Level reading date:	1965-04-01	Feet below surface:	Not Reported
Feet to sea level:	16.04	Note:	Not Reported
Level reading date:	1965-03-23	Feet below surface:	Not Reported
Feet to sea level:	16.18	Note:	Not Reported
Level reading date:	1965-03-17	Feet below surface:	Not Reported
Feet to sea level:	16.25	Note:	Not Reported

Lovel reading date.	1005 02 11	Foot holow ourfood	Not Donostod
Level reading date:	1965-03-11	Feet below surface:	Not Reported
Feet to sea level:	16.63	Note:	Not Reported
Level reading date:	1965-03-04	Feet below surface:	Not Reported
Feet to sea level:	16.87	Note:	Not Reported
Level reading date:	1965-03-02	Feet below surface:	Not Reported
Feet to sea level:	17.23	Note:	Not Reported
Level reading date:	1965-02-18	Feet below surface:	Not Reported
Feet to sea level:	17.35	Note:	Not Reported
Level reading date:	1965-01-28	Feet below surface:	Not Reported
Feet to sea level:	18.66	Note:	Not Reported
Level reading date:	1965-01-21	Feet below surface:	Not Reported
Feet to sea level:	19.86	Note:	Not Reported
Level reading date:	1965-01-15	Feet below surface:	Not Reported
Feet to sea level:	19.32	Note:	Not Reported
Level reading date:	1965-01-06	Feet below surface:	Not Reported
Feet to sea level:	18.82	Note:	Not Reported
Level reading date:	1964-12-30	Feet below surface:	Not Reported
Feet to sea level:	19.10	Note:	Not Reported
Level reading date:	1964-12-23	Feet below surface:	Not Reported
Feet to sea level:	18.72	Note:	Not Reported
Level reading date:	1964-12-18	Feet below surface:	Not Reported
Feet to sea level:	19.31	Note:	Not Reported
Level reading date:	1964-12-11	Feet below surface:	Not Reported
Feet to sea level:	18.27	Note:	Not Reported
Level reading date:	1964-12-03	Feet below surface:	Not Reported
Feet to sea level:	17.40	Note:	Not Reported
Level reading date:	1964-11-25	Feet below surface:	Not Reported
Feet to sea level:	16.75	Note:	Not Reported
Level reading date:	1964-11-12	Feet below surface:	Not Reported
Feet to sea level:	14.00	Note:	Not Reported
Level reading date:	1964-11-05	Feet below surface:	Not Reported
Feet to sea level:	13.79	Note:	Not Reported
Level reading date:	1964-10-28	Feet below surface:	Not Reported
Feet to sea level:	13.60	Note:	Not Reported
Level reading date:	1964-10-23	Feet below surface:	Not Reported
Feet to sea level:	13.61	Note:	Not Reported
Level reading date:	1964-10-15	Feet below surface:	Not Reported
Feet to sea level:	13.43	Note:	Not Reported
Level reading date:	1964-10-08	Feet below surface:	Not Reported
Feet to sea level:	13.53	Note:	Not Reported
Level reading date:	1964-09-30	Feet below surface:	Not Reported
Feet to sea level:	13.53	Note:	Not Reported

Level reading date: 1964-09-25 Feet below surface: Not Reported Feet to sea level: 13.57 Note: Not Reported 1964-09-17 Level reading date: Feet below surface: Not Reported Feet to sea level: 13.55 Not Reported Note: Level reading date: 1964-09-10 Feet below surface: Not Reported Feet to sea level: 13.95 Note: Not Reported 1964-09-03 Level reading date: Feet below surface: Not Reported Feet to sea level: 13.54 Note: Not Reported Level reading date: 1964-08-28 Feet below surface: Not Reported Feet to sea level: 13.60 Not Reported Note: Level reading date: 1964-08-20 Feet below surface: Not Reported Feet to sea level: 13.66 Note: Not Reported 1964-08-13 Level reading date: Feet below surface: Not Reported Feet to sea level: 13.96 Note: Not Reported Level reading date: 1964-08-06 Feet below surface: Not Reported Feet to sea level: 13.83 Note: Not Reported

D4
East HI WELLS HI1300000001193
1/8 - 1/4 Mile

1/8 - 1/4 Mii Higher

Well #:3-2101-003Well Name:HonouliuliOriginal Name:Not ReportedAquifer Type:BasalYear Drilled:1981Driller:Not Reported

Well Depth (ft): 355

Land Owner: Roman Catholic Church in the State of Hawaii

Pump Installer: Not Reported Well Construction Type: Not Reported

Casing Diameter (in): 10 Ground Elevation (ft): 13

Solid Casing Depth (ft): Perf Casing Depth (ft): Not Reported

Major Well Use: Water Level Observaiton

Initial Water Level (ft):22.3Water Level After Drilling (ft):Not ReportedChloride Content (mg/l):280Date Tested:Not ReportedTest Pump Rate (g/m):Not ReportedTest Drawdown Rate (ft):Not Reported

Test Chloride Content (mg/l): Not Reported Test Water Temp: 22
Test Unit: C Pump GPM: 0

Max Chloride Level: Not Reported Min Chloride Level: Not Reported Pump Installed: Not Reported Draft Year: Not Reported

Hole Bottom Elevation: -342 Solid Casing Bot Elevation: -152

Perf Casing Bot Elevation:Not ReportedPump Capacity (MM gal/day):Not ReportedPump Intake Depth (ft):Not ReportedLatest WCR1 Report:18-JAN-81Latest WCR2 Report:Not ReportedTransmissivity:Not Reported

West HI WELLS HI130000001205 1/8 - 1/4 Mile Higher

Well #: 3-2102-001 Well Name: Honouliuli Original Name: Not Reported Aquifer Type: Basal Year Drilled: 1880 Driller: Ashley Well Depth (ft): Not Reported Land Owner: Not Reported

Pump Installer:Not ReportedWell Construction Type:Not ReportedCasing Diameter (in):8Ground Elevation (ft):Not ReportedSolid Casing Depth (ft):Not ReportedPerf Casing Depth (ft):Not ReportedMajor Well Use:Abandoned-Sealed

Initial Water Level (ft): Not Reported Water Level After Drilling (ft): Not Reported Chloride Content (mg/l): Not Reported Date Tested: Not Reported Test Pump Rate (g/m): Not Reported Test Drawdown Rate (ft): Not Reported Test Chloride Content (mg/l): Not Reported Test Water Temp: Not Reported Test Unit: Not Reported Pump GPM: Not Reported Max Chloride Level: Min Chloride Level: Not Reported Not Reported Not Reported Not Reported Pump Installed: Draft Year: Hole Bottom Elevation: Not Reported Solid Casing Bot Elevation: Not Reported Perf Casing Bot Elevation: Not Reported Pump Capacity (MM gal/day): Not Reported Pump Intake Depth (ft): Not Reported Latest WCR1 Report: 01-JAN-80 Transmissivity: Latest WCR2 Report: Not Reported Not Reported

C6
West FED USGS USGS40000270110

West 1/8 - 1/4 Mile Higher

Organization ID: USGS-HI Organization Name: USGS Hawaii Water Science Center

Monitor Location: 3-2102-01 W264-1 Well Type: Description: Not Reported HUC: 20060000 Drainage Area: Not Reported Drainage Area Units: Not Reported Contrib Drainage Area: Not Reported Contrib Drainage Area Unts: Not Reported Aquifer: Not Reported Formation Type: Not Reported Aquifer Type: Not Reported Construction Date: 18800101 Well Depth: Not Reported Well Depth Units: Not Reported Well Hole Depth: Not Reported Well Hole Depth Units: Not Reported

D7
WSW FED USGS USGS40000270085

1/8 - 1/4 Mile Higher

Organization ID: USGS-HI Organization Name: USGS Hawaii Water Science Center

Monitor Location: 3-2102-21 W264-S Type: Well Description: Not Reported HUC: 20060000 Not Reported Drainage Area: Not Reported Drainage Area Units: Contrib Drainage Area: Not Reported Contrib Drainage Area Unts: Not Reported Aquifer: Not Reported Formation Type: Not Reported Aquifer Type: Not Reported Construction Date: 19210101 425 ft

Well Depth: 425 Well Depth Units: ft

Well Use Porth Units: Not Percentage

Well Use Porth Units: Not Percen

Well Hole Depth: Not Reported Well Hole Depth Units: Not Reported

D8
WSW
HI WELLS HI130000001226

D8 WSW 1/8 - 1/4 Mile Higher

Well #: 3-2102-022 Well Name: EP 18 South Battery

Original Name: EP 3&4 Aquifer Type: Basal

Year Drilled: 1921 Driller: L. McCandless

Well Depth (ft): 420

Land Owner: D.R. Horton - Schuler Homes LLC

Pump Installer: Not Reported Well Construction Type: Not Reported Casing Diameter (in): 12 Ground Elevation (ft): Solid Casing Depth (ft): 240 Perf Casing Depth (ft): Not Reported Initial Water Level (ft): Major Well Use: Unused 25.7 Water Level After Drilling (ft): Not Reported Chloride Content (mg/l): 293 Date Tested: Not Reported Test Pump Rate (g/m): Not Reported Test Drawdown Rate (ft): Not Reported Test Chloride Content (mg/l): Not Reported Test Water Temp: Not Reported Test Unit: Not Reported Pump GPM: Not Reported Max Chloride Level: Not Reported Min Chloride Level: Not Reported Not Reported Pump Installed: Draft Year: Not Reported Hole Bottom Elevation: -376 Solid Casing Bot Elevation: -196 Perf Casing Bot Elevation: Not Reported Pump Capacity (MM gal/day): Not Reported Pump Intake Depth (ft): Not Reported Latest WCR1 Report: 01-JAN-21 Latest WCR2 Report: Not Reported

Not Reported

WSW HI WELLS HI1300000001213
1/8 - 1/4 Mile
Higher

Well #: 3-2102-009 Well Name: EP 18 South Battery

Original Name: EP 3&4 Aquifer Type: Basal

Year Drilled: 1891 Driller: L. McCandless

Well Depth (ft): 410

Transmissivity:

Land Owner: D.R. Horton - Schuler Homes LLC

Pump Installer: Not Reported Well Construction Type: Not Reported

Casing Diameter (in): 10 Ground Elevation (ft): 44

Solid Casing Depth (ft): Not Reported Perf Casing Depth (ft): Not Reported

Major Well Use: Agriculture-Crops and Processing

Not Reported Initial Water Level (ft): 31.2 Water Level After Drilling (ft): Not Reported Chloride Content (mg/l): 237 Date Tested: Test Pump Rate (g/m): Not Reported Test Drawdown Rate (ft): Not Reported Test Chloride Content (mg/l): Not Reported Test Water Temp: Not Reported Not Reported Not Reported Test Unit: Pump GPM: Not Reported Max Chloride Level: Not Reported Min Chloride Level: Not Reported Pump Installed: Draft Year: Not Reported Hole Bottom Elevation: -366 Solid Casing Bot Elevation: Not Reported Perf Casing Bot Elevation: Not Reported Pump Capacity (MM gal/day): Not Reported Pump Intake Depth (ft): Not Reported Latest WCR1 Report: 01-JAN-91 Latest WCR2 Report: Not Reported Not Reported Transmissivity:

D10

WSW HI WELLS HI1300000001212 1/8 - 1/4 Mile Higher

Well #: 3-2102-008 Well Name: EP 18 South Battery

Original Name: EP 3&4 Aquifer Type: Basal

Year Drilled: 1891 Driller: L. McCandless

Well Depth (ft): 410

Land Owner: D.R. Horton - Schuler Homes LLC

Pump Installer: Not Reported Well Construction Type: Not Reported

Casing Diameter (in): 10 Ground Elevation (ft): 44

Solid Casing Depth (ft): Not Reported Perf Casing Depth (ft): Not Reported

Major Well Use: Agriculture-Crops and Processing

Initial Water Level (ft): 31.2 Water Level After Drilling (ft): Not Reported Chloride Content (mg/l): Date Tested: Not Reported

Test Pump Rate (g/m): Not Reported Test Drawdown Rate (ft): Not Reported Test Chloride Content (mg/l): Not Reported Test Water Temp: Not Reported Test Unit: Not Reported Pump GPM: Not Reported Not Reported Max Chloride Level: Not Reported Min Chloride Level: Pump Installed: Not Reported Draft Year: Not Reported Hole Bottom Elevation: -366 Solid Casing Bot Elevation: Not Reported Pump Capacity (MM gal/day): Perf Casing Bot Elevation: Not Reported Not Reported Pump Intake Depth (ft): Not Reported Latest WCR1 Report: 01-JAN-91 Latest WCR2 Report: Not Reported Not Reported Transmissivity:

D11 WSW HI WELLS HI1300000001215

1/8 - 1/4 Mile Higher

Well #: 3-2102-011 Well Name: EP 18 South Battery

Original Name: EP 3&4 Aquifer Type: Basal

Year Drilled: 1891 Driller: L. McCandless

Well Depth (ft): 433

Land Owner: D.R. Horton - Schuler Homes LLC

Pump Installer: Not Reported Well Construction Type: Not Reported

Casing Diameter (in): 10 Ground Elevation (ft): 44

Solid Casing Depth (ft): Not Reported Perf Casing Depth (ft): Not Reported

Major Well Use:UnusedInitial Water Level (ft):25.7Water Level After Drilling (ft):Not ReportedChloride Content (mg/l):293

Date Tested:Not ReportedTest Pump Rate (g/m):Not ReportedTest Drawdown Rate (ft):Not ReportedTest Chloride Content (mg/l):Not ReportedTest Water Temp:Not ReportedTest Unit:Not Reported

Pump GPM: Not Reported Max Chloride Level: Not Reported Min Chloride Level: Not Reported Pump Installed: Not Reported

Draft Year: Not Reported Hole Bottom Elevation: -389

Solid Casing Bot Elevation: Not Reported Perf Casing Bot Elevation: Not Reported Pump Capacity (MM gal/day): Not Reported Pump Intake Depth (ft): Not Reported Latest WCR1 Report: Not Reported Latest WCR2 Report: Not Reported

Transmissivity: Not Reported

D12
WSW HI WELLS HI130000001214

1/8 - 1/4 Mile Higher

Well #: 3-2102-010 Well Name: EP 18 South Battery

Original Name: EP 3&4 Aquifer Type: Basal

Year Drilled: 1891 Driller: L. McCandless

Well Depth (ft): 413

Land Owner: D.R. Horton - Schuler Homes LLC

Pump Installer: Not Reported Well Construction Type: Not Reported

Casing Diameter (in): 10 Ground Elevation (ft): 44

Solid Casing Depth (ft): Not Reported Perf Casing Depth (ft): Not Reported

Major Well Use: Agriculture-Crops and Processing

Initial Water Level (ft): 31.2 Water Level After Drilling (ft): Not Reported

Chloride Content (mg/l): 237 Date Tested: Not Reported

Test Pump Rate (g/m): Not Reported Test Drawdown Rate (ft): Not Reported Test Chloride Content (mg/l): Not Reported Test Unit: Not Reported Pump GPM: Not Reported Not Reported

Max Chloride Level:Not ReportedMin Chloride Level:Not ReportedPump Installed:Not ReportedDraft Year:Not ReportedHole Bottom Elevation:-369Solid Casing Bot Elevation:Not Reported

Perf Casing Bot Elevation:Not ReportedPump Capacity (MM gal/day):Not ReportedPump Intake Depth (ft):Not ReportedLatest WCR1 Report:01-JAN-91Latest WCR2 Report:Not ReportedTransmissivity:Not Reported

D13
WSW HI WELLS HI130000001211

1/8 - 1/4 Mile Higher

Well #: 3-2102-007 Well Name: EP 18 South Battery

Original Name: EP 3&4 Aquifer Type: Basal

Year Drilled: 1891 Driller: L. McCandless

Well Depth (ft): 410

Land Owner: D.R. Horton - Schuler Homes LLC

Pump Installer: Not Reported Well Construction Type: Not Reported

Casing Diameter (in): 10 Ground Elevation (ft): 44

Solid Casing Depth (ft): 214 Perf Casing Depth (ft): Not Reported

Major Well Use: Agriculture-Crops and Processing

Initial Water Level (ft):

Chloride Content (mg/l):

Test Pump Rate (g/m):

31.2

Water Level After Drilling (ft):

Date Tested:

Test Drawdown Rate (ft):

Not Reported

Test Drawdown Rate (ft):

Not Reported

Not Reported Test Chloride Content (mg/l): Not Reported Test Water Temp: Test Unit: Not Reported Pump GPM: Not Reported Max Chloride Level: Not Reported Min Chloride Level: Not Reported Not Reported Pump Installed: Not Reported Draft Year:

Hole Bottom Elevation: -366 Solid Casing Bot Elevation: -170

Perf Casing Bot Elevation:Not ReportedPump Capacity (MM gal/day):Not ReportedPump Intake Depth (ft):Not ReportedLatest WCR1 Report:01-JAN-91Latest WCR2 Report:Not ReportedTransmissivity:Not Reported

D14
WSW HI WELLS HI130000001208

1/8 - 1/4 Mile Higher

Well #: 3-2102-004 Well Name: EP 18 South Battery

Original Name: EP 3&4 Aquifer Type: Basal

Year Drilled: 1891 Driller: L. McCandless

Well Depth (ft): 326

Land Owner: D.R. Horton - Schuler Homes LLC

Pump Installer: Not Reported Well Construction Type: Not Reported

Casing Diameter (in): 10 Ground Elevation (ft): 44

Solid Casing Depth (ft): Not Reported Perf Casing Depth (ft): Not Reported

Major Well Use: Agriculture-Crops and Processing

Initial Water Level (ft): 31.2 Water Level After Drilling (ft): Not Reported

Chloride Content (mg/l): 237 Date Tested: Not Reported

Test Pump Rate (g/m): Not Reported Test Drawdown Rate (ft): Not Reported Test Chloride Content (mg/l): Not Reported Test Unit: Not Reported Pump GPM: Not Reported Not Reported

Max Chloride Level:Not ReportedMin Chloride Level:Not ReportedPump Installed:Not ReportedDraft Year:Not Reported

Hole Bottom Elevation: -282 Solid Casing Bot Elevation: Not Reported Not Reported Perf Casing Bot Elevation: Not Reported Pump Capacity (MM gal/day): Pump Intake Depth (ft): Not Reported Latest WCR1 Report: 01-JAN-91 Latest WCR2 Report: Not Reported Transmissivity: Not Reported

Map ID Direction Distance Elevation

EDR ID Number Database D15 WSW **HI WELLS** HI130000001206

1/8 - 1/4 Mile Higher

Higher

Well #: 3-2102-002 Well Name: EP 18 South Battery

Original Name: **EP 3A&4** Aquifer Type: Basal

Year Drilled: 1890 Driller: L. McCandless

Well Depth (ft): 332

Land Owner: D.R. Horton - Schuler Homes LLC

Pump Installer: Not Reported Well Construction Type: Not Reported Casing Diameter (in): Ground Elevation (ft): 44 10 Not Reported Perf Casing Depth (ft): Not Reported Solid Casing Depth (ft):

Agriculture-Crops and Processing Major Well Use:

Initial Water Level (ft): 31.2 Water Level After Drilling (ft): Not Reported 237 Chloride Content (mg/l): Date Tested: Not Reported Test Drawdown Rate (ft): Not Reported Test Pump Rate (g/m): Not Reported Test Chloride Content (mg/l): Not Reported Test Water Temp: Not Reported

Test Unit: Not Reported Pump GPM: 2500

Max Chloride Level: Not Reported Min Chloride Level: Not Reported Pump Installed: Not Reported Draft Year: Not Reported

Hole Bottom Elevation: -288 Solid Casing Bot Elevation: Not Reported Perf Casing Bot Elevation: Not Reported Pump Capacity (MM gal/day): 3.6

Pump Intake Depth (ft): Not Reported Latest WCR1 Report: 01-JAN-90 Latest WCR2 Report: Not Reported Transmissivity: Not Reported

D16 1/8 - 1/4 Mile

Well #: 3-2102-006 Well Name: EP 18 South Battery

Original Name: EP 3&4 Aquifer Type: Basal

Year Drilled: 1891 Driller: L. McCandless

Well Depth (ft): 405

Land Owner: D.R. Horton - Schuler Homes LLC

Pump Installer: Not Reported Well Construction Type: Not Reported Casing Diameter (in): Ground Elevation (ft): 10 44

Solid Casing Depth (ft): 208 Not Reported Perf Casing Depth (ft):

Agriculture-Crops and Processing Major Well Use:

Initial Water Level (ft): 31.2 Water Level After Drilling (ft): Not Reported

Chloride Content (mg/l): 237 Date Tested:

Not Reported Test Pump Rate (g/m): Not Reported Test Drawdown Rate (ft): Not Reported Test Chloride Content (mg/l): Not Reported Test Water Temp: Not Reported Test Unit: Not Reported Pump GPM: Not Reported

Max Chloride Level: Not Reported Min Chloride Level: Not Reported Pump Installed: Not Reported Draft Year: Not Reported

Hole Bottom Elevation: -361 Solid Casing Bot Elevation: -164

Perf Casing Bot Elevation: Not Reported Pump Capacity (MM gal/day): Not Reported Pump Intake Depth (ft): Latest WCR1 Report: 01-JAN-91 Not Reported Latest WCR2 Report: Not Reported Transmissivity: Not Reported

HI WELLS

HI130000001210

Map ID Direction Distance Elevation

D17 WSW **HI WELLS** HI130000001209

1/8 - 1/4 Mile Higher

> Well #: 3-2102-005 Well Name: EP 18 South Battery

Original Name: EP 3&4 Aquifer Type: Basal

Year Drilled: 1891 Driller: L. McCandless

Well Depth (ft): 369

Land Owner: D.R. Horton - Schuler Homes LLC

Pump Installer: Not Reported Well Construction Type: Not Reported Casing Diameter (in): Ground Elevation (ft): 44 10 Perf Casing Depth (ft): Not Reported Solid Casing Depth (ft): Not Reported

Agriculture-Crops and Processing Major Well Use:

Initial Water Level (ft): 31.2 Water Level After Drilling (ft): Not Reported 237 Not Reported Chloride Content (mg/l): Date Tested: Test Drawdown Rate (ft): Not Reported Test Pump Rate (g/m): Not Reported Test Chloride Content (mg/l): Not Reported Test Water Temp: Not Reported

Test Unit: Not Reported Pump GPM: Not Reported Max Chloride Level: Not Reported Min Chloride Level: Not Reported Pump Installed: Not Reported Draft Year: Not Reported Not Reported Hole Bottom Elevation: -325 Solid Casing Bot Elevation: Perf Casing Bot Elevation: Not Reported Pump Capacity (MM gal/day): Not Reported Pump Intake Depth (ft): Not Reported Latest WCR1 Report: 01-JAN-91

Latest WCR2 Report: Not Reported Transmissivity: Not Reported

D18 1/8 - 1/4 Mile

Well #:

Higher

Well Name:

Original Name: EP 3&4 Aquifer Type: Basal

L. McCandless

Year Drilled: 1891 Driller: Well Depth (ft): 432

Land Owner: D.R. Horton - Schuler Homes LLC

3-2102-012

Pump Installer: Not Reported Well Construction Type: Not Reported

Casing Diameter (in): Ground Elevation (ft): 10 44

Solid Casing Depth (ft): Not Reported Not Reported Perf Casing Depth (ft):

Agriculture-Crops and Processing Major Well Use:

Initial Water Level (ft): 31.2 Water Level After Drilling (ft): Not Reported Not Reported

Chloride Content (mg/l): 237 Date Tested:

Test Pump Rate (g/m): Not Reported Test Drawdown Rate (ft): Not Reported Test Chloride Content (mg/l): Not Reported Test Water Temp: Not Reported

Test Unit: Not Reported Pump GPM: Not Reported Max Chloride Level: Not Reported Min Chloride Level: Not Reported

Pump Installed: Not Reported Draft Year: Not Reported Not Reported Hole Bottom Elevation: -388 Solid Casing Bot Elevation:

Perf Casing Bot Elevation: Not Reported Pump Capacity (MM gal/day): Not Reported Latest WCR1 Report: 01-JAN-91 Pump Intake Depth (ft): Not Reported Latest WCR2 Report: Not Reported Transmissivity: Not Reported

EDR ID Number

HI130000001216

EP 18 South Battery

Database

HI WELLS

Map ID Direction Distance Elevation

D19 WSW **HI WELLS** HI130000001223

1/8 - 1/4 Mile Higher

> Well #: 3-2102-019 Well Name: EP 18 South Battery

Original Name: EP 3&4 Aquifer Type: Basal

Year Drilled: 1921 Driller: L. McCandless

Well Depth (ft): 416

Land Owner: D.R. Horton - Schuler Homes LLC

Pump Installer: Not Reported Well Construction Type: Not Reported Casing Diameter (in): Ground Elevation (ft): 44 12 212 Perf Casing Depth (ft): Not Reported Solid Casing Depth (ft): Initial Water Level (ft): Major Well Use: Unused 25.7

Water Level After Drilling (ft): Not Reported Chloride Content (mg/l): 293

Not Reported Not Reported Date Tested: Test Pump Rate (g/m): Test Chloride Content (mg/l): Test Drawdown Rate (ft): Not Reported Not Reported Test Water Temp: Not Reported Test Unit: Not Reported Pump GPM: Not Reported Max Chloride Level: Not Reported

Min Chloride Level: Not Reported Pump Installed: Not Reported Draft Year: Not Reported Hole Bottom Elevation: -372

Not Reported Solid Casing Bot Elevation: -168 Perf Casing Bot Elevation: Not Reported Pump Capacity (MM gal/day): Pump Intake Depth (ft): Not Reported Latest WCR2 Report: Not Reported

Latest WCR1 Report: 01-JAN-21 Transmissivity: Not Reported

D20 HI WELLS HI130000001222

1/8 - 1/4 Mile Higher

Land Owner:

Well #: 3-2102-018 Well Name: EP 18 South Battery

Original Name: EP 3&4 Aquifer Type: Basal

Year Drilled: 1899 Driller: L. McCandless

Well Depth (ft): 444

Pump Installer: Not Reported Well Construction Type: Not Reported

Casing Diameter (in): Ground Elevation (ft): 12 44

D.R. Horton - Schuler Homes LLC

Solid Casing Depth (ft): 223 Perf Casing Depth (ft): Not Reported Initial Water Level (ft): Major Well Use: Unused 25.7 Water Level After Drilling (ft): Not Reported Chloride Content (mg/l): 293

Date Tested: Not Reported Test Pump Rate (g/m): Not Reported Test Chloride Content (mg/l): Not Reported Test Drawdown Rate (ft): Not Reported

Test Water Temp: Not Reported Not Reported Test Unit: Pump GPM: Not Reported Max Chloride Level: Not Reported Min Chloride Level: Not Reported Pump Installed: Not Reported

Draft Year: Not Reported Hole Bottom Elevation: -400

Not Reported Solid Casing Bot Elevation: -179Perf Casing Bot Elevation: Pump Capacity (MM gal/day): Not Reported Pump Intake Depth (ft): Not Reported Latest WCR1 Report: 01-JAN-99 Latest WCR2 Report: Not Reported

Transmissivity: Not Reported EDR ID Number

Map ID Direction Distance Elevation

D21
WSW HI WELLS HI130000001225

1/8 - 1/4 Mile Higher

Well #: 3-2102-021 Well Name: EP 18 South Battery

Original Name: EP 3&4 Aquifer Type: Basal

Year Drilled: 1921 Driller: L. McCandless

Well Depth (ft): 425

Land Owner: D.R. Horton - Schuler Homes LLC

Pump Installer: Not Reported Well Construction Type: Not Reported Casing Diameter (in): Ground Elevation (ft): 44 12 217 Perf Casing Depth (ft): Not Reported Solid Casing Depth (ft): Initial Water Level (ft): Major Well Use: Unused 25.7

Major Well Use:UnusedInitial Water Level (ft):25.7Water Level After Drilling (ft):Not ReportedChloride Content (mg/l):293

Not Reported Not Reported Date Tested: Test Pump Rate (g/m): Test Chloride Content (mg/l): Test Drawdown Rate (ft): Not Reported Not Reported Test Water Temp: Not Reported Test Unit: Not Reported Pump GPM: Not Reported Max Chloride Level: Not Reported Min Chloride Level: Not Reported Pump Installed: Not Reported

Draft Year: Not Reported Hole Bottom Elevation: -381

Solid Casing Bot Elevation: -173 Perf Casing Bot Elevation: Not Reported Pump Capacity (MM gal/day): Not Reported Pump Intake Depth (ft): Not Reported Latest WCR1 Report: Not Reported Latest WCR2 Report: Not Reported

Transmissivity: Not Reported

D22
WSW HI WELLS HI130000001224

1/8 - 1/4 Mile Higher

Well #: 3-2102-020 Well Name: EP 18 South Battery

Original Name: EP 3&4 Aquifer Type: Basal

Year Drilled: 1921 Driller: L. McCandless

Well Depth (ft): 419

Land Owner: D.R. Horton - Schuler Homes LLC
Pump Installer: Not Reported Well Construction Type: Not Reported

Casing Diameter (in): 12 Ground Elevation (ft): 44

Solid Casing Depth (ft):

Solid Casing Depth (ft):

Major Well Use:

Unused

Unused

Initial Water Level (ft):

Water Level After Drilling (ft):

Not Reported

Chloride Content (mg/l):

293

Date Tested:Not ReportedTest Pump Rate (g/m):Not ReportedTest Drawdown Rate (ft):Not ReportedTest Chloride Content (mg/l):Not Reported

Test Drawdown Rate (ft):

Not Reported
Test Water Temp:

Not Reported
Pump GPM:
Not Reported
Min Chloride Level:
Not Reported
Not Reported
Pump Installed:
Not Reported
Not Reported
Not Reported
Not Reported
Not Reported

Draft Year: Not Reported Hole Bottom Elevation: -375

Solid Casing Bot Elevation: -178 Perf Casing Bot Elevation: Not Reported Pump Capacity (MM gal/day): Not Reported Pump Intake Depth (ft): Not Reported Latest WCR1 Report: Not Reported Latest WCR2 Report: Not Reported

Transmissivity: Not Reported

EDR ID Number

Map ID Direction Distance Elevation

D23 WSW **HI WELLS** HI130000001221

1/8 - 1/4 Mile Higher

> Well #: 3-2102-017 Well Name: EP 18 South Battery

Original Name: EP 3&4 Aquifer Type: Basal

Year Drilled: 1899 Driller: L. McCandless

Well Depth (ft): 442

Land Owner: D.R. Horton - Schuler Homes LLC

Pump Installer: Not Reported Well Construction Type: Not Reported Casing Diameter (in): Ground Elevation (ft): 44 12 212 Perf Casing Depth (ft): Not Reported Solid Casing Depth (ft): Major Well Use: Unused Initial Water Level (ft): 25.7

Water Level After Drilling (ft): Not Reported Chloride Content (mg/l): 293

Not Reported Not Reported Date Tested: Test Pump Rate (g/m): Test Drawdown Rate (ft): Not Reported Not Reported Test Chloride Content (mg/l): Test Water Temp: Not Reported Test Unit: Not Reported Pump GPM: Not Reported Max Chloride Level: Not Reported

Min Chloride Level: Not Reported Pump Installed: Not Reported Draft Year: Not Reported Hole Bottom Elevation: -398

Not Reported Solid Casing Bot Elevation: -168 Perf Casing Bot Elevation: Not Reported Pump Capacity (MM gal/day): Pump Intake Depth (ft): Not Reported Latest WCR1 Report: 01-JAN-99 Latest WCR2 Report: Not Reported

Transmissivity: Not Reported

D24 HI WELLS HI130000001218

1/8 - 1/4 Mile Higher

> Well #: 3-2102-014 Well Name: EP 18 South Battery

Original Name: EP 3&4 Aquifer Type: Basal

Year Drilled: 1891 Driller: L. McCandless

Well Depth (ft): 430

Land Owner: D.R. Horton - Schuler Homes LLC Pump Installer: Not Reported Well Construction Type: Not Reported

Casing Diameter (in): Ground Elevation (ft): 10 44

Solid Casing Depth (ft): Not Reported Not Reported Perf Casing Depth (ft):

Agriculture-Crops and Processing Major Well Use:

Initial Water Level (ft): 31.2 Water Level After Drilling (ft): Not Reported

Chloride Content (mg/l): 237 Date Tested:

Not Reported Test Pump Rate (g/m): Not Reported Test Drawdown Rate (ft): Not Reported Test Chloride Content (mg/l): Not Reported Test Water Temp: Not Reported

Test Unit: Not Reported Pump GPM: Not Reported Max Chloride Level: Not Reported Min Chloride Level: Not Reported Pump Installed: Draft Year: Not Reported

Not Reported Not Reported Hole Bottom Elevation: -386 Solid Casing Bot Elevation: Perf Casing Bot Elevation: Not Reported Pump Capacity (MM gal/day): Not Reported Pump Intake Depth (ft): Latest WCR1 Report: 01-JAN-91 Not Reported

Latest WCR2 Report: Not Reported Transmissivity: Not Reported

EDR ID Number

Map ID Direction Distance Elevation

D25 WSW HI WELLS HI130000001217

1/8 - 1/4 Mile Higher

Well #: 3-2102-013 Well Name: EP 18 South Battery

Original Name: EP 3&4 Aquifer Type: Basal

Year Drilled: 1891 Driller: L. McCandless

Well Depth (ft): 436

Land Owner: D.R. Horton - Schuler Homes LLC

Pump Installer:Not ReportedWell Construction Type:Not ReportedCasing Diameter (in):10Ground Elevation (ft):44Solid Casing Depth (ft):Not ReportedPerf Casing Depth (ft):Not Reported

Major Well Use: Agriculture-Crops and Processing

Initial Water Level (ft): 31.2 Water Level After Drilling (ft): Not Reported 237 Not Reported Chloride Content (mg/l): Date Tested: Test Drawdown Rate (ft): Not Reported Test Pump Rate (g/m): Not Reported Test Chloride Content (mg/l): Not Reported Test Water Temp: Not Reported Test Unit: Not Reported Pump GPM: Not Reported Max Chloride Level: Not Reported Min Chloride Level: Not Reported

Pump Installed: Not Reported Draft Year: Not Reported Not Reported Hole Bottom Elevation: -392 Solid Casing Bot Elevation: Perf Casing Bot Elevation: Not Reported Pump Capacity (MM gal/day): Not Reported Pump Intake Depth (ft): Not Reported Latest WCR1 Report: 01-JAN-91

Pump Intake Depth (ft):Not ReportedLatest WCR1 Report:01-JAN-91Latest WCR2 Report:Not ReportedTransmissivity:Not Reported

D26 WSW 1/8 - 1/4 Mile

Well #:

Higher

Well Name:

Original Name: EP 3&4 Aquifer Type: Basal

Year Drilled: 1899 Driller: L. McCandless

Well Depth (ft): 435

3-2102-016

Land Owner: D.R. Horton - Schuler Homes LLC

Pump Installer: Not Reported Well Construction Type: Not Reported

Casing Diameter (in): 12 Ground Elevation (ft): 44

Solid Casing Depth (ft):

Major Well Use:

Unused
Unused
Unitial Water Level (ft):

Water Level After Drilling (ft):

Not Reported
Chloride Content (mg/l):

293

Chloride Content (mg/l):

Date Tested: Not Reported Test Pump Rate (g/m): Not Reported

Test Drawdown Rate (ft): Not Reported Test Chloride Content (mg/l): Not Reported Test Water Temp: Not Reported Test Unit: Not Reported

Pump GPM:Not ReportedMax Chloride Level:Not ReportedMin Chloride Level:Not ReportedPump Installed:Not Reported

Draft Year: Not Reported Hole Bottom Elevation: -391

Solid Casing Bot Elevation: -179 Perf Casing Bot Elevation: Not Reported Pump Capacity (MM gal/day): Not Reported Pump Intake Depth (ft): Not Reported Latest WCR1 Report: Not Reported Latest WCR2 Report: Not Reported

Transmissivity: Not Reported

EDR ID Number

HI130000001220

EP 18 South Battery

Database

HI WELLS

Map ID Direction Distance

Database EDR ID Number Elevation **D27** wsw **HI WELLS** HI130000001219

1/8 - 1/4 Mile Higher

> Well #: 3-2102-015 Well Name: EP 18 South Battery

Original Name: EP 3&4 Aquifer Type: Basal

Year Drilled: L. McCandless 1899 Driller:

Well Depth (ft): 441

Land Owner: D.R. Horton - Schuler Homes LLC

Pump Installer: Not Reported Well Construction Type: Not Reported Casing Diameter (in): Ground Elevation (ft): 44 12 Solid Casing Depth (ft): 218 Perf Casing Depth (ft): Not Reported

Agriculture-Crops and Processing Major Well Use:

Initial Water Level (ft): 31.2 Water Level After Drilling (ft): Not Reported 237 Not Reported Chloride Content (mg/l): Date Tested: Test Pump Rate (g/m): Not Reported Test Drawdown Rate (ft): Not Reported Test Chloride Content (mg/l): Not Reported Test Water Temp: Not Reported Test Unit: Not Reported Pump GPM: Not Reported Max Chloride Level: Not Reported Min Chloride Level: Not Reported Pump Installed: Not Reported Draft Year: Not Reported

Hole Bottom Elevation: -397 Solid Casing Bot Elevation: -174

Perf Casing Bot Elevation: Not Reported Pump Capacity (MM gal/day): Not Reported Pump Intake Depth (ft): Not Reported Latest WCR1 Report: 01-JAN-99 Latest WCR2 Report: Not Reported Transmissivity: Not Reported

D28 1/8 - 1/4 Mile

Higher

Organization ID: **USGS-HI** Organization Name: USGS Hawaii Water Science Center Monitor Location: 3-2102-15 W264-M Type: Well HUC: 20060000 Description: Not Reported Drainage Area: Not Reported Drainage Area Units: Not Reported Contrib Drainage Area: Not Reported Contrib Drainage Area Unts: Not Reported Aquifer: Not Reported Formation Type: Not Reported 18990101 Aquifer Type: Not Reported Construction Date:

Well Depth: Well Depth Units: 441

Well Hole Depth: Well Hole Depth Units: Not Reported Not Reported

FED USGS USGS40000270091 **WSW** 1/8 - 1/4 Mile Higher

Organization ID: USGS-HI Organization Name: USGS Hawaii Water Science Center

Monitor Location: 3-2102-04 W264-B Type: Well Description: Not Reported HUC: 20060000 Drainage Area: Not Reported Drainage Area Units: Not Reported Contrib Drainage Area: Contrib Drainage Area Unts: Not Reported Not Reported Aquifer: Not Reported Formation Type: Not Reported Aquifer Type: Not Reported Construction Date: 18910101 Well Depth: 326 Well Depth Units:

Well Hole Depth: Well Hole Depth Units: Not Reported Not Reported

FED USGS

USGS40000270092

Map ID Direction Distance

Elevation Database EDR ID Number

D30 WSW 1/8 - 1/4 Mile

FED USGS USGS40000270093

USGS40000270095

USGS40000270094

USGS40000270087

FED USGS

FED USGS

1/8 - 1/4 Mile Higher

Organization ID: USGS-HI Organization Name: USGS Hawaii Water Science Center

Monitor Location: 3-2102-05 W264-C Type: Well HUC: 20060000 Description: Not Reported Drainage Area: Not Reported Drainage Area Units: Not Reported Contrib Drainage Area: Not Reported Contrib Drainage Area Unts: Not Reported Aquifer: Not Reported Formation Type: Not Reported Aquifer Type: Not Reported Construction Date: 18910101 Well Depth: Well Depth Units: 369 ft

Well Hole Depth: Not Reported Well Hole Depth Units: Not Reported

D31 WSW 1/8 - 1/4 Mile Higher

Organization ID: USGS-HI Organization Name: USGS Hawaii Water Science Center

Monitor Location: 3-2102-06 W264-D Type: Well HUC: 20060000 Description: Not Reported Drainage Area: Not Reported Drainage Area Units: Not Reported Contrib Drainage Area: Not Reported Contrib Drainage Area Unts: Not Reported Not Reported Aquifer: Not Reported Formation Type: Aquifer Type: Not Reported Construction Date: 18910101

Well Depth: 407 Well Depth Units: ft

Well Hole Depth: Not Reported Well Hole Depth Units: Not Reported

D32 WSW 1/8 - 1/4 Mile

Organization ID: USGS-HI Organization Name: USGS Hawaii Water Science Center

Monitor Location: 3-2102-16 W264-N Well Type: 20060000 Description: Not Reported HUC: Drainage Area: Not Reported Drainage Area Units: Not Reported Contrib Drainage Area: Not Reported Contrib Drainage Area Unts: Not Reported Aquifer: Not Reported Formation Type: Not Reported Aquifer Type: Construction Date: 18990101 Not Reported

Well Depth: 435 Well Depth Units: ft

Well Hole Depth: Not Reported Well Hole Depth Units: Not Reported

D33

1/8 - 1/4 Mile Higher

Higher

Organization ID: USGS-HI Organization Name: USGS Hawaii Water Science Center

Monitor Location:3-2102-12 W264-JType:WellDescription:Not ReportedHUC:20060000Drainage Area:Not ReportedDrainage Area Units:Not Reported

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FED USGS

Not Reported Contrib Drainage Area: Not Reported Contrib Drainage Area Unts: Aquifer: Not Reported Formation Type: Not Reported 18910101 Aquifer Type: Not Reported Construction Date:

Well Depth: Well Depth Units: 432 ft

Well Hole Depth: Well Hole Depth Units: Not Reported Not Reported

D34 wsw **FED USGS** USGS40000270086

1/8 - 1/4 Mile Higher

> Organization ID: USGS-HI Organization Name: USGS Hawaii Water Science Center

Monitor Location: 3-2102-22 W264-T Type: Well HUC: 20060000 Description: Not Reported Drainage Area: Not Reported **Drainage Area Units:** Not Reported Contrib Drainage Area: Not Reported Contrib Drainage Area Unts: Not Reported Aquifer: Not Reported Formation Type: Not Reported 19210101 Aquifer Type: Not Reported Construction Date:

Well Depth: Well Depth Units: 420

Well Hole Depth: Not Reported Well Hole Depth Units: Not Reported

D35 **FED USGS** USGS40000270088 **WSW** 1/8 - 1/4 Mile

Organization ID: **USGS-HI** Organization Name: USGS Hawaii Water Science Center Monitor Location: 3-2102-13 W264-K Type: Well

20060000 HUC: Description: Not Reported Drainage Area: Not Reported Drainage Area Units: Not Reported Contrib Drainage Area: Not Reported Contrib Drainage Area Unts: Not Reported Aquifer: Not Reported Formation Type: Not Reported Aquifer Type: Not Reported Construction Date: 18910101

Well Depth: Well Depth Units: 436

Well Hole Depth: Not Reported Well Hole Depth Units: Not Reported

D36 WSW FED USGS USGS40000270090

1/8 - 1/4 Mile Higher

Higher

Organization ID: USGS-HI USGS Hawaii Water Science Center Organization Name:

3-2102-14 W264-L Monitor Location: Type: Well 20060000 Description: Not Reported HUC: Drainage Area Units: Not Reported Drainage Area: Not Reported Not Reported Contrib Drainage Area Unts: Not Reported Contrib Drainage Area: Aquifer: Not Reported Formation Type: Not Reported Aquifer Type: Not Reported Construction Date: 18910101

Well Depth: Well Depth Units:

Well Hole Depth: Not Reported Well Hole Depth Units: Not Reported

Map ID Direction Distance

Elevation Database EDR ID Number

D37 WSW 1/8 - 1/4 Mile

FED USGS USGS40000270089

USGS40000270102

USGS40000270103

FED USGS

Higher

Organization ID: USGS-HI Organization Name: USGS Hawaii Water Science Center

Monitor Location: 3-2102-02 W264-A Type: Well HUC: 20060000 Description: Not Reported Not Reported Drainage Area: Not Reported Drainage Area Units: Contrib Drainage Area: Not Reported Contrib Drainage Area Unts: Not Reported Aquifer: Not Reported Formation Type: Not Reported Aquifer Type: Not Reported Construction Date: 18900101 Well Depth: Well Depth Units: 332 ft

Well Hole Depth: Not Reported Well Hole Depth Units: Not Reported

D38 WSW 1/8 - 1/4 Mile Higher

Higher

Organization ID: USGS-HI Organization Name: USGS Hawaii Water Science Center

Monitor Location: 3-2102-20 W264-R Type: Well HUC: 20060000 Description: Not Reported Drainage Area: Not Reported Drainage Area Units: Not Reported Contrib Drainage Area: Not Reported Contrib Drainage Area Unts: Not Reported Not Reported Aquifer: Not Reported Formation Type: Aquifer Type: Not Reported Construction Date: 19210101

Well Depth: 419 Well Depth Units: ft

Well Hole Depth: Not Reported Well Hole Depth Units: Not Reported

D39 WSW

WSW FED USGS USGS40000270101 1/8 - 1/4 Mile Higher

Organization ID: USGS-HI Organization Name: USGS Hawaii Water Science Center Monitor Location: 3-2102-09 W264-G Well Type: 20060000 Description: Not Reported HUC: Drainage Area: Not Reported Drainage Area Units: Not Reported Contrib Drainage Area: Not Reported Contrib Drainage Area Unts: Not Reported Aquifer: Not Reported Formation Type: Not Reported Aquifer Type: Construction Date: 18910101 Not Reported

Well Depth: 410 Well Depth Units: ft

Well Hole Depth: Not Reported Well Hole Depth Units: Not Reported

D40 WSW 1/8 - 1/4 Mile

Organization ID: USGS-HI Organization Name: USGS Hawaii Water Science Center

Monitor Location:3-2102-10 W264-HType:WellDescription:Not ReportedHUC:20060000Drainage Area:Not ReportedDrainage Area Units:Not Reported

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FED USGS

Contrib Drainage Area: Not Reported Contrib Drainage Area Unts: Not Reported Aquifer: Not Reported Formation Type: Not Reported Aquifer Type: Not Reported Construction Date: 18910101

Well Depth: 413 Well Depth Units: ft

Well Hole Depth: Not Reported Well Hole Depth Units: Not Reported

D41
WSW
FED USGS USGS40000270105
1/8 - 1/4 Mile

1/8 - 1/4 Mile Higher

Organization ID: USGS-HI Organization Name: USGS Hawaii Water Science Center

Monitor Location: 3-2102 ,04 TO 22 Type: Well: Multiple wells

HUC: 20060000 Description: Not Reported Drainage Area: Not Reported **Drainage Area Units:** Not Reported Contrib Drainage Area: Not Reported Contrib Drainage Area Unts: Not Reported Aquifer: Not Reported Formation Type: Not Reported Aquifer Type: Not Reported Construction Date: Not Reported Well Depth: Not Reported Well Depth Units: Not Reported Well Hole Depth: Not Reported Well Hole Depth Units: Not Reported

D42

WSW 1/8 - 1/4 Mile Higher

1/8 - 1/4 Mile Higher

Organization ID: USGS-HI Organization Name: USGS Hawaii Water Science Center

Monitor Location: 3-2102-11 W264-I Type: Well 20060000 HUC: Description: Not Reported Drainage Area: Not Reported Drainage Area Units: Not Reported Contrib Drainage Area: Not Reported Contrib Drainage Area Unts: Not Reported Aquifer: Not Reported Formation Type: Not Reported Aquifer Type: Not Reported Construction Date: 18910101

Well Depth: 433 Well Depth Units: ft

Well Hole Depth: Not Reported Well Hole Depth Units: Not Reported

D43
WSW FED USGS USGS40000270097

Organization ID: USGS-HI Organization Name: USGS Hawaii Water Science Center

3-2102-07 W264-E Monitor Location: Type: Well 20060000 Description: Not Reported HUC: Drainage Area Units: Not Reported Drainage Area: Not Reported Not Reported Contrib Drainage Area Unts: Not Reported Contrib Drainage Area: Aquifer: Not Reported Formation Type: Not Reported Aquifer Type: Not Reported Construction Date: 18910101

Well Depth: 410 Well Depth Units: ft

Well Hole Depth: Not Reported Well Hole Depth Units: Not Reported

FED USGS

USGS40000270104

Map ID Direction Distance

Elevation Database EDR ID Number

D44 WSW 1/8 - 1/4 Mile

FED USGS USGS40000270096

USGS40000270098

USGS40000270100

USGS40000270099

FED USGS

FED USGS

1/8 - 1/4 Mile Higher

Organization ID: USGS-HI Organization Name: USGS Hawaii Water Science Center

3-2102-17 W264-O Monitor Location: Type: Well HUC: 20060000 Description: Not Reported Not Reported Drainage Area: Not Reported Drainage Area Units: Contrib Drainage Area: Not Reported Contrib Drainage Area Unts: Not Reported Aquifer: Not Reported Formation Type: Not Reported Aquifer Type: Not Reported Construction Date: 18990101

Well Depth: 441 Well Depth Units: ft

Well Hole Depth: Not Reported Well Hole Depth Units: Not Reported

-

D45 WSW 1/8 - 1/4 Mile Higher

Organization ID: USGS-HI Organization Name: USGS Hawaii Water Science Center

Monitor Location: 3-2102-18 W264-P Type: Well HUC: 20060000 Description: Not Reported Drainage Area: Not Reported Drainage Area Units: Not Reported Contrib Drainage Area: Not Reported Contrib Drainage Area Unts: Not Reported Not Reported Aquifer: Not Reported Formation Type: Aquifer Type: Not Reported Construction Date: 18990101

Well Depth: 443 Well Depth Units: ft

Well Hole Depth: Not Reported Well Hole Depth Units: Not Reported

WSW 1/8 - 1/4 Mile Higher

D46

Organization ID: USGS-HI Organization Name: USGS Hawaii Water Science Center

Monitor Location: 3-2102-19 W264-Q Well Type: 20060000 Description: Not Reported HUC: Drainage Area: Not Reported Drainage Area Units: Not Reported Contrib Drainage Area: Not Reported Contrib Drainage Area Unts: Not Reported Aquifer: Not Reported Formation Type: Not Reported Aquifer Type: Construction Date: 19210101 Not Reported

Well Depth: 415 Well Depth Units: ft

Well Hole Depth: Not Reported Well Hole Depth Units: Not Reported

D47

WSW 1/8 - 1/4 Mile Higher

Organization ID: USGS-HI Organization Name: USGS Hawaii Water Science Center

Monitor Location:3-2102-08 W264-FType:WellDescription:Not ReportedHUC:20060000Drainage Area:Not ReportedDrainage Area Units:Not Reported

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FED USGS

Not Reported Contrib Drainage Area: Not Reported Contrib Drainage Area Unts: Aquifer: Not Reported Formation Type: Not Reported 18910101 Aquifer Type: Not Reported Construction Date: ft

Well Depth: Well Depth Units: 410

Well Hole Depth: Not Reported Well Hole Depth Units: Not Reported

E48 South **HI WELLS** HI130000001194

1/4 - 1/2 Mile Higher

> Well #: 3-2101-004 Well Name: Honouliuli Original Name: Aquifer Type: Not Reported Basal Year Drilled: 1879 Driller: Ashley Well Depth (ft): 273 Land Owner: Not Reported Pump Installer: Not Reported Well Construction Type: Not Reported

Casing Diameter (in): Ground Elevation (ft): 15

Not Reported Solid Casing Depth (ft): 250 Perf Casing Depth (ft):

Major Well Use: Abandoned-Sealed

Initial Water Level (ft): Not Reported Water Level After Drilling (ft): Not Reported Chloride Content (mg/l): Not Reported Date Tested: Not Reported Not Reported Not Reported Test Pump Rate (g/m): Test Drawdown Rate (ft): Test Chloride Content (mg/l): Not Reported Test Water Temp: Not Reported Test Unit: Not Reported Pump GPM: Not Reported Not Reported Max Chloride Level: Not Reported Min Chloride Level: Not Reported Not Reported Draft Year: Pump Installed:

Hole Bottom Elevation: -258 Solid Casing Bot Elevation: -235

Perf Casing Bot Elevation: Not Reported Pump Capacity (MM gal/day): Not Reported Pump Intake Depth (ft): Not Reported Latest WCR1 Report: 01-JAN-79 Latest WCR2 Report: Not Reported Transmissivity: Not Reported

E49 **FED USGS** USGS40000270076 South

1/4 - 1/2 Mile Higher

> Organization ID: USGS-HI Organization Name: USGS Hawaii Water Science Center

Monitor Location: 3-2101-04 W267 Type: Well Description: Not Reported HUC: 20060000 Not Reported Drainage Area: Not Reported Drainage Area Units: Contrib Drainage Area: Not Reported Contrib Drainage Area Unts: Not Reported Aquifer: Not Reported Formation Type: Not Reported Aquifer Type: Not Reported Construction Date: 18790101

Well Depth: Well Depth Units: 273

Well Hole Depth: Not Reported Well Hole Depth Units: Not Reported

F50

FRDS PWS HI0000322 1/4 - 1/2 Mile

Higher

Epa region: 09 State:

Pwsid: HI0000322 Pwsname: **EWA VILLAGES**

Cityserved: Not Reported Stateserved: ΗΙ Zipserved: Not Reported 15003 Fipscounty: Status: Closed Retpopsrvd: 1144

256 Groundwater Pwssvcconn: Psource longname: Pwstype: **CWS** Owner: Private Contact: Not Reported Contactorgname: Not Reported Not Reported Not Reported Contactphone: Contactaddress1: Contactaddress2: Not Reported Contactcity: Not Reported Contactstate: Not Reported Contactzip: Not Reported

Pwsactivitycode:

Pwsid: HI0000322 Facid: 203

PUMP 7 EWA Treatment_plant Factype: Facname: Trtobjective: Facactivitycode: disinfection

gaseous chlorination, post Trtprocess:

Factypecode: ΤP

Pwsid: HI0000322 Facid: 204

Treatment_plant Facname: OAHU SUGAR EWAP7 2202-15 Factype:

Facactivitycode: Trtobjective: disinfection

Trtprocess: gaseous chlorination, post

Factypecode: TΡ

PWS ID: HI0000322 PWS type: Operator

PWS name: MR. JIM WRISTON PWS address: OAHU SUGAR COMPANY

WAIPAHU PWS address: P.O. BOX "O" PWS city: PWS state: ΗΙ PWS zip: 96797 PWS ID: HI0000322 Activity status: Active Date system activated: 7706 Date system deactivated: Not Reported

OAHU SUGAR EWA Retail population: 00001144 System name:

OAHU SUGAR COMPANY System address: System address: PO BOX O EWA, OAHU System state: ΗΙ

System city: System zip: 96706

County FIPS: Not Reported City served: **EWA**

County FIPS: **EWA** 003 City served:

Population served: 1,001 - 2,500 Persons Treatment: Mixed (treated and untreated)

Latitude: 212204 Longitude: 1580212 Latitude: 212204 Longitude: 1580211

NW **FED USGS** USGS40000270117 1/4 - 1/2 Mile Higher

Organization ID: USGS-HI Organization Name: USGS Hawaii Water Science Center

Monitor Location: 3-2202-16 W263 B Type: Well HUC: 20060000 Description: Not Reported Drainage Area Units: Not Reported Drainage Area: Not Reported Not Reported Contrib Drainage Area Unts: Not Reported Contrib Drainage Area: Aquifer: Not Reported Formation Type: Not Reported Aquifer Type: Not Reported Construction Date: 19000101 Well Depth: 476 Well Depth Units:

Well Hole Depth: Not Reported Well Hole Depth Units: Not Reported

Map ID Direction Distance

EDR ID Number Elevation Database

F52 NW

FED USGS USGS40000270116 1/4 - 1/2 Mile

Higher

Organization ID: USGS-HI Organization Name: USGS Hawaii Water Science Center

3-2202-15 W263 A Monitor Location: Type: Well HUC: 20060000 Description: Not Reported Drainage Area: Not Reported Drainage Area Units: Not Reported Contrib Drainage Area: Not Reported Contrib Drainage Area Unts: Not Reported Aquifer: Not Reported Formation Type: Not Reported Aquifer Type: Not Reported Construction Date: 18990101

Well Depth: Well Depth Units: 468 ft

Well Hole Depth: Not Reported Well Hole Depth Units: Not Reported

NW **FED USGS** USGS40000270115 1/4 - 1/2 Mile

Higher

Organization ID: USGS-HI USGS Hawaii Water Science Center Organization Name:

Monitor Location: 3-2202-15 TO 20 Type: Well: Multiple wells

HUC: Description: Not Reported 20060000 Drainage Area: Not Reported Drainage Area Units: Not Reported Contrib Drainage Area: Not Reported Contrib Drainage Area Unts: Not Reported Aquifer: Not Reported Formation Type: Not Reported Aquifer Type: Not Reported Construction Date: Not Reported Well Depth: Not Reported Well Depth Units: Not Reported Well Hole Depth: Not Reported Well Hole Depth Units: Not Reported

F54 NW **FED USGS** USGS40000270118

1/4 - 1/2 Mile Higher

> Organization ID: USGS-HI Organization Name: USGS Hawaii Water Science Center

Monitor Location: 3-2202-17 W263-C Well Type: 20060000 Description: Not Reported HUC: Drainage Area: Not Reported Drainage Area Units: Not Reported Contrib Drainage Area: Not Reported Contrib Drainage Area Unts: Not Reported Aquifer: Not Reported Formation Type: Not Reported Aquifer Type: Construction Date: 19000101 Not Reported

Well Depth: 475 Well Depth Units:

Well Hole Depth: Not Reported Well Hole Depth Units: Not Reported

NW **FED USGS** USGS40000270121 1/4 - 1/2 Mile

Higher

Organization ID: **USGS-HI** Organization Name: USGS Hawaii Water Science Center

Monitor Location: 3-2202-20 W263-F Type: Well Not Reported HUC: 20060000 Description: Drainage Area: Not Reported **Drainage Area Units:** Not Reported

Contrib Drainage Area: Not Reported Contrib Drainage Area Unts: Not Reported Aquifer: Not Reported Formation Type: Not Reported Aquifer Type: Not Reported Construction Date: 19000101

Well Depth: 475 Well Depth Units: ft

Not Reported

F56
NW FED USGS USGS40000270120
1/4 - 1/2 Mile
Higher

Organization ID: USGS-HI Organization Name: USGS Hawaii Water Science Center

Well Hole Depth Units:

Not Reported

Monitor Location: 3-2202-19 W263-E Type: Well 20060000 Description: Not Reported HUC: Drainage Area: Not Reported **Drainage Area Units:** Not Reported Not Reported Contrib Drainage Area Unts: Not Reported Contrib Drainage Area: Aquifer: Not Reported Formation Type: Not Reported 19000101 Aquifer Type: Not Reported Construction Date:

Well Depth: 481 Well Depth Units: ft

Well Hole Depth: Not Reported Well Hole Depth Units: Not Reported

F57 NW FED USGS USGS40000270119

1/4 - 1/2 Mile Higher

Well Hole Depth:

Organization ID: USGS-HI Organization Name: USGS Hawaii Water Science Center

Monitor Location: 3-2202-18 W263-D Type: Well 20060000 HUC: Description: Not Reported Not Reported Drainage Area Units: Not Reported Drainage Area: Contrib Drainage Area: Not Reported Contrib Drainage Area Unts: Not Reported Aquifer: Not Reported Formation Type: Not Reported Aquifer Type: Construction Date: 19000101 Not Reported

Well Depth: 475 Well Depth Units: ft

Well Hole Depth: Not Reported Well Hole Depth Units: Not Reported

F58 NW HI WELLS HI1300000001330

1/4 - 1/2 Mile Higher

Well #: 3-2202-017 Well Name: EP 18 Mid Battery

Original Name: EP 7&8 Aquifer Type: Basal Year Drilled: 1900 Driller: Not Reported

Well Depth (ft): 475

Land Owner: D.R. Horton - Schuler Homes LLC

Pump Installer: Not Reported Well Construction Type: Not Reported

Casing Diameter (in): 12 Ground Elevation (ft): 46

Solid Casing Depth (ft):

116 Perf Casing Depth (ft): Not Reported

Major Well Use: Agriculture-Crops and Processing

Initial Water Level (ft): 26.3 Water Level After Drilling (ft): Not Reported Chloride Content (mg/l): 270 Date Tested: Not Reported

Test Pump Rate (g/m): Not Reported Test Drawdown Rate (ft): Not Reported Test Chloride Content (mg/l): Not Reported Test Water Temp: Not Reported Test Unit: Not Reported Pump GPM: Not Reported Min Chloride Level: Max Chloride Level: Not Reported Not Reported

Pump Installed: Not Reported Draft Year: Not Reported

Hole Bottom Elevation: -429 Solid Casing Bot Elevation: -70

Perf Casing Bot Elevation:Not ReportedPump Capacity (MM gal/day):Not ReportedPump Intake Depth (ft):Not ReportedLatest WCR1 Report:02-JAN-00Latest WCR2 Report:Not ReportedTransmissivity:Not Reported

F59 NW HI WELLS HI130000001329

1/4 - 1/2 Mile Higher

Well #: 3-2202-016 Well Name: EP 18 Mid Battery

Original Name: EP 7&8 Aquifer Type: Basal

Year Drilled: 1900 Driller: Not Reported

Well Depth (ft): 476

Land Owner: D.R. Horton - Schuler Homes LLC

Pump Installer: Not Reported Well Construction Type: Not Reported

Casing Diameter (in): 12 Ground Elevation (ft): 46

Solid Casing Depth (ft): 116 Perf Casing Depth (ft): Not Reported

Major Well Use: Agriculture-Crops and Processing

Initial Water Level (ft): 26.3 Water Level After Drilling (ft): Not Reported

Chloride Content (mg/l): 270 Date Tested: Not Reported

Test Pump Rate (g/m): Not Reported Test Drawdown Rate (ft): Not Reported Test Chloride Content (mg/l): Not Reported Test Water Temp: Not Reported

Test Unit: Not Reported Pump GPM: 2500

Max Chloride Level: Not Reported Min Chloride Level: Not Reported

Pump Installed: Not Reported Draft Year: Not Reported

Hole Bottom Elevation:-430Solid Casing Bot Elevation:-70Perf Casing Bot Elevation:Not ReportedPump Capacity (MM gal/day):3.6

Pump Intake Depth (ft): Not Reported Latest WCR1 Report: 02-JAN-00
Latest WCR2 Report: Not Reported Transmissivity: Not Reported

F60 NW HI WELLS HI130000001328

1/4 - 1/2 Mile Higher

Well #: 3-2202-015 Well Name: EP 18 Mid Battery

Original Name: EP 7&8 Aquifer Type: Basal Year Drilled: Driller: Not Reported

Well Depth (ft): 468

Land Owner: D.R. Horton - Schuler Homes LLC

Pump Installer: Not Reported Well Construction Type: Not Reported

Casing Diameter (in): 12 Ground Elevation (ft): 46

Solid Casing Depth (ft): 107 Perf Casing Depth (ft): Not Reported

Major Well Use: Agriculture-Crops and Processing

Initial Water Level (ft): 26.3 Water Level After Drilling (ft): Not Reported

Chloride Content (mg/l): 270 Date Tested: Not Reported
Test Pump Rate (g/m): Not Reported Test Drawdown Rate (ft): Not Reported

Test Chloride Content (mg/l):

Not Reported
Test Unit:

Not Reported
Not Reported
Pump GPM:
Not Reported
Max Chloride Level:
Not Reported
Min Chloride Level:
Not Reported

Pump Installed: Not Reported Draft Year: Not Reported Hole Bottom Elevation: -422 Solid Casing Bot Elevation: -61

Perf Casing Bot Elevation:

Not Reported

Pump Capacity (MM gal/day):

Not Reported

Pump Intake Depth (ft):

Not Reported

Latest WCR1 Report:

Not Reported

Transmissivity:

Not Reported

Map ID Direction Distance Elevation

F61 NW **HI WELLS** HI130000001333

1/4 - 1/2 Mile Higher

> Well #: 3-2202-020 Well Name: EP 18 Mid Battery

Original Name: EP 7&8 Aquifer Type: Basal Year Drilled: 1900 Driller: Not Reported

Well Depth (ft): 475

Land Owner: D.R. Horton - Schuler Homes LLC

Pump Installer: Not Reported Well Construction Type: Not Reported Casing Diameter (in): Ground Elevation (ft): 12 46 Perf Casing Depth (ft): Not Reported Solid Casing Depth (ft): 108

Agriculture-Crops and Processing Major Well Use:

Initial Water Level (ft): 26.3 Water Level After Drilling (ft): Not Reported 270 Not Reported Chloride Content (mg/l): Date Tested: Test Drawdown Rate (ft): Not Reported Test Pump Rate (g/m): Not Reported Test Chloride Content (mg/l): Not Reported Test Water Temp: Not Reported Test Unit: Not Reported Pump GPM: Not Reported Max Chloride Level: Not Reported Min Chloride Level: Not Reported Pump Installed: Not Reported Draft Year: Not Reported

Hole Bottom Elevation: -429 Solid Casing Bot Elevation: -62

Perf Casing Bot Elevation: Not Reported Pump Capacity (MM gal/day): Not Reported Pump Intake Depth (ft): Not Reported Latest WCR1 Report: 02-JAN-00 Latest WCR2 Report: Not Reported Transmissivity: Not Reported

F62 NW 1/4 - 1/2 Mile

Higher

Well #: 3-2202-019 Well Name: EP 18 Mid Battery

Original Name: EP 7&8 Aquifer Type: Basal

Year Drilled: 1900 Driller: Not Reported

Well Depth (ft): 481

Land Owner: D.R. Horton - Schuler Homes LLC Pump Installer: Not Reported Well Construction Type: Not Reported

Casing Diameter (in): Ground Elevation (ft): 12 46

Solid Casing Depth (ft): Not Reported 107 Perf Casing Depth (ft):

Agriculture-Crops and Processing Major Well Use:

Initial Water Level (ft): 26.3 Water Level After Drilling (ft): Not Reported

Chloride Content (mg/l): 270 Date Tested:

Not Reported Test Pump Rate (g/m): Not Reported Test Drawdown Rate (ft): Not Reported Test Chloride Content (mg/l): Not Reported Test Water Temp: Not Reported

Test Unit: Not Reported Pump GPM: Not Reported Max Chloride Level: Not Reported Min Chloride Level: Not Reported

Pump Installed: Not Reported Draft Year: Not Reported Hole Bottom Elevation: -435Solid Casing Bot Elevation: -61

Perf Casing Bot Elevation: Not Reported Pump Capacity (MM gal/day): Not Reported Pump Intake Depth (ft): Latest WCR1 Report: 02-JAN-00 Not Reported Latest WCR2 Report: Not Reported Transmissivity: Not Reported

EDR ID Number

HI130000001332

Database

HI WELLS

Map ID Direction Distance Elevation

F63 NW **HI WELLS** HI130000001331

1/4 - 1/2 Mile Higher

> Well #: 3-2202-018 Well Name: EP 18 Mid Battery

Original Name: EP 7&8 Aquifer Type: Basal Year Drilled: 1900 Driller: Not Reported

Well Depth (ft): 475

Land Owner: D.R. Horton - Schuler Homes LLC

Pump Installer: Not Reported Well Construction Type: Not Reported Casing Diameter (in): Ground Elevation (ft): 46 12 Solid Casing Depth (ft): Perf Casing Depth (ft): Not Reported 116

Agriculture-Crops and Processing Major Well Use:

Initial Water Level (ft): 26.3 Water Level After Drilling (ft): Not Reported 270 Not Reported Chloride Content (mg/l): Date Tested: Not Reported Test Drawdown Rate (ft): Not Reported Test Pump Rate (g/m): Test Chloride Content (mg/l): Not Reported Test Water Temp: Not Reported Test Unit: Not Reported Pump GPM: Not Reported Max Chloride Level: Not Reported Min Chloride Level: Not Reported Pump Installed: Not Reported Draft Year: Not Reported

Hole Bottom Elevation: -429 Solid Casing Bot Elevation: -70

Perf Casing Bot Elevation: Not Reported Pump Capacity (MM gal/day): Not Reported Pump Intake Depth (ft): Not Reported Latest WCR1 Report: 02-JAN-00 Latest WCR2 Report: Not Reported Transmissivity: Not Reported

G64 NNW 1/4 - 1/2 Mile Higher

USGS Hawaii Water Science Center

Organization ID: USGS-HI Organization Name: Monitor Location: 3-2202-22 W260 Type: Well Not Reported HUC: 20060000 Description: Drainage Area: Not Reported Drainage Area Units: Not Reported Contrib Drainage Area: Contrib Drainage Area Unts: Not Reported Not Reported Aquifer: Not Reported Formation Type: Not Reported 19450101 Aquifer Type: Not Reported Construction Date:

Well Depth: Well Depth Units: 122 Well Hole Depth: Well Hole Depth Units: Not Reported Not Reported

NNW **HI WELLS** 1/4 - 1/2 Mile Higher

Well #: 3-2202-022 Well Name: Honouliuli Original Name: Aquifer Type: Not Reported Basal Year Drilled: 1945 Driller: W. M. Mullin

Well Depth (ft): 122

Land Owner: Wat Lao Sitahammaran of Hawaii, Inc.

Pump Installer: Not Reported Well Construction Type: Not Reported

Casing Diameter (in): Ground Elevation (ft):

Solid Casing Depth (ft): 100 Perf Casing Depth (ft): Not Reported

Major Well Use: Initial Water Level (ft): Unused 13.3 Water Level After Drilling (ft): Not Reported Chloride Content (mg/l): 190

Database

FED USGS

EDR ID Number

USGS40000270128

HI130000001335

Date Tested: Not Reported Test Pump Rate (g/m): Not Reported Test Drawdown Rate (ft): Not Reported Test Chloride Content (mg/l): Not Reported Test Water Temp: Not Reported Test Unit: Not Reported Not Reported Max Chloride Level: Pump GPM: Not Reported Min Chloride Level: Not Reported Pump Installed: Not Reported

Draft Year: Not Reported Hole Bottom Elevation: -102

Solid Casing Bot Elevation:

Pump Capacity (MM gal/day):

Not Reported

Pump Intake Depth (ft):

Not Reported

Pump Intake Depth (ft):

Not Reported

Not Reported

Not Reported

Not Reported

Not Reported

Not Reported

Transmissivity: Not Reported

G66
North
1/4 - 1/2 Mile
HI WELLS
HI1300000001315

Higher

Higher

Well #:3-2202-002Well Name:HonouliuliOriginal Name:Not ReportedAquifer Type:BasalYear Drilled:Not ReportedDriller:L. McCandless

Well Depth (ft): 395

Land Owner: Church of Jesus Christ LDS

Pump Installer: Not Reported Well Construction Type: Not Reported

Casing Diameter (in): 8 Ground Elevation (ft): 16

Solid Casing Depth (ft): 96 Perf Casing Depth (ft): Not Reported

Major Well Use: Agriculture-Ornamental and Nursery Plants

Initial Water Level (ft): Water Level After Drilling (ft): Not Reported 21.3 Chloride Content (mg/l): 183 Date Tested: Not Reported Test Pump Rate (g/m): Not Reported Test Drawdown Rate (ft): Not Reported Test Chloride Content (mg/l): Not Reported Test Water Temp: Not Reported

Test Unit: Not Reported Pump GPM: 50

Max Chloride Level:Not ReportedMin Chloride Level:Not ReportedPump Installed:Not ReportedDraft Year:Not Reported

Hole Bottom Elevation:-379Solid Casing Bot Elevation:-80Perf Casing Bot Elevation:Not ReportedPump Capacity (MM gal/day):.072

 Pump Intake Depth (ft):
 Not Reported
 Latest WCR1 Report:
 Not Reported

 Latest WCR2 Report:
 Not Reported
 Transmissivity:
 Not Reported

G67
North
1/4 - 1/2 Mile

FED USGS USGS40000270130

Organization ID: USGS-HI Organization Name: USGS Hawaii Water Science Center

Monitor Location: 3-2202-02 W262 Type: Well Description: Not Reported HUC: 20060000 Drainage Area: Not Reported Drainage Area Units: Not Reported Contrib Drainage Area: Not Reported Contrib Drainage Area Unts: Not Reported Aquifer: Not Reported Formation Type: Not Reported Aquifer Type: Not Reported Construction Date: 19110101 Well Depth: 395 Well Depth Units: ft

Well Hole Depth: Not Reported Well Hole Depth Units: Not Reported

Ground water levels, Number of Measurements: 1 Level reading date: 1938-08-10 Feet below surface: -5.33 Feet to sea level: Not Reported

Feet below surface: -5.33 Feet to sea level: Not Note: Not Reported

Map ID Direction Distance

H68

Elevation Database EDR ID Number

South 1/4 - 1/2 Mile

FED USGS USGS40000270067

USGS40000270066

HI130000001301

FED USGS

HI WELLS

Higher Organization

Organization ID: USGS-HI Organization Name: USGS Hawaii Water Science Center

3-2101-11 W268-H Monitor Location: Type: Well HUC: 20060000 Description: Not Reported Drainage Area: Not Reported Drainage Area Units: Not Reported Contrib Drainage Area: Not Reported Contrib Drainage Area Unts: Not Reported Aquifer: Not Reported Formation Type: Not Reported Aquifer Type: Not Reported Construction Date: 18990101 Well Depth: Well Depth Units: 450 ft

Well Hole Depth: Not Reported Well Hole Depth Units: Not Reported

H69 South 1/4 - 1/2 Mile Higher

Organization ID: USGS-HI Organization Name: USGS Hawaii Water Science Center

Organization Name: Monitor Location: 3-2101-12 W268-A Type: Well HUC: 20060000 Description: Not Reported Drainage Area: Not Reported Drainage Area Units: Not Reported Contrib Drainage Area: Not Reported Contrib Drainage Area Unts: Not Reported Aquifer: Not Reported Formation Type: Not Reported Aquifer Type: Not Reported Construction Date: 19010101

Well Depth: 452 Well Depth Units: ft

Well Hole Depth: Not Reported Well Hole Depth Units: Not Reported

NNE 1/4 - 1/2 Mile Higher

170

Well #:3-2201-002Well Name:HonouliuliOriginal Name:Not ReportedAquifer Type:BasalYear Drilled:Not ReportedDriller:Not Reported

Well Depth (ft): 356

Land Owner: Church of Jesus Christ LDS 3

Pump Installer: Not Reported Well Construction Type: Not Reported

Casing Diameter (in): 10 Ground Elevation (ft): 17

Solid Casing Depth (ft): 77 Perf Casing Depth (ft): Not Reported

Major Well Use: Single and Multi Low-Rise and High-Rise Households

Not Reported Initial Water Level (ft): 16.4 Water Level After Drilling (ft): Not Reported Chloride Content (mg/l): 340 Date Tested: Test Pump Rate (g/m): Not Reported Test Drawdown Rate (ft): Not Reported Not Reported Test Water Temp: Not Reported Test Chloride Content (mg/l):

Test Unit: Not Reported Pump GPM: Not Reported Max Chloride Level: Not Reported Min Chloride Level: Not Reported Pump Installed: Not Reported Draft Year: Not Reported

Hole Bottom Elevation: -339 Solid Casing Bot Elevation: -60

Perf Casing Bot Elevation:

Not Reported

Pump Intake Depth (ft):

Not Reported

Not Reported

Not Reported

Transmissivity:

Not Reported

Not Reported

Not Reported

Map ID Direction Distance

Elevation Database EDR ID Number

I71 NNE

FED USGS USGS40000270137

USGS40000270062

USGS40000270061

FED USGS

FED USGS

1/4 - 1/2 Mile Higher

Organization ID: USGS-HI Organization Name: USGS Hawaii Water Science Center

3-2201-02 W261 WAIPA Monitor Location: Type: Well HUC: 20060000 Description: Not Reported Drainage Area: Not Reported Drainage Area Units: Not Reported Contrib Drainage Area: Not Reported Contrib Drainage Area Unts: Not Reported Aquifer: Not Reported Formation Type: Not Reported Aquifer Type: Not Reported Construction Date: Not Reported

Well Depth: 356 Well Depth Units: ft

Well Hole Depth: Not Reported Well Hole Depth Units: Not Reported

H72 South 1/4 - 1/2 Mile Higher

Organization ID: USGS-HI Organization Name: USGS Hawaii Water Science Center

Monitor Location: 3-2101-08 W268-E Type: Well HUC: 20060000 Description: Not Reported Drainage Area: Not Reported Drainage Area Units: Not Reported Contrib Drainage Area: Not Reported Contrib Drainage Area Unts: Not Reported Not Reported Aquifer: Not Reported Formation Type: Aquifer Type: Not Reported Construction Date: 18900101

Well Depth: 462 Well Depth Units: ft

Well Hole Depth: Not Reported Well Hole Depth Units: Not Reported

H73 South 1/4 - 1/2 Mile Higher

Organization ID: USGS-HI Organization Name: USGS Hawaii Water Science Center

Monitor Location: 3-2101-05 TO 12 Type: Well: Multiple wells

20060000 Description: Not Reported HUC: Drainage Area: Not Reported Drainage Area Units: Not Reported Contrib Drainage Area: Not Reported Contrib Drainage Area Unts: Not Reported Aquifer: Not Reported Formation Type: Not Reported Not Reported Aquifer Type: Construction Date: Not Reported Well Depth: Not Reported Well Depth Units: Not Reported Well Hole Depth: Not Reported Well Hole Depth Units: Not Reported

H74
South
1/4 - 1/2 Mile
Higher

FED USGS USGS40000270060

Organization ID: USGS-HI Organization Name: USGS Hawaii Water Science Center

Monitor Location:3-2101-10 W268-GType:WellDescription:Not ReportedHUC:20060000Drainage Area:Not ReportedDrainage Area Units:Not Reported

Contrib Drainage Area: Not Reported Contrib Drainage Area Unts: Not Reported Aquifer: Not Reported Formation Type: Not Reported Aquifer Type: Not Reported Construction Date: 18990101

Well Depth: 462 Well Depth Units: ft

Well Hole Depth: Not Reported Well Hole Depth Units: Not Reported

H75
South
HI WELLS
HI1300000001201
1/4 - 1/2 Mile

1/4 - 1/2 Mile Higher

Well #:3-2101-011Well Name:HonouliuliOriginal Name:Not ReportedAquifer Type:Basal

Year Drilled: 1899 Driller: L. McCandless

Well Depth (ft): 450

Land Owner: D.R. Horton - Schuler Homes LLC

Pump Installer: Not Reported Well Construction Type: Not Reported

Casing Diameter (in): 12 Ground Elevation (ft): 30

Solid Casing Depth (ft): 316 Perf Casing Depth (ft): Not Reported

Major Well Use: Abandoned-Sealed

Initial Water Level (ft): Not Reported Water Level After Drilling (ft): Not Reported Not Reported Not Reported Chloride Content (mg/l): Date Tested: Test Pump Rate (g/m): Not Reported Test Drawdown Rate (ft): Not Reported Test Chloride Content (mg/l): Not Reported Test Water Temp: Not Reported Not Reported Test Unit: Not Reported Pump GPM: Max Chloride Level: Not Reported Min Chloride Level: Not Reported

Pump Installed: Not Reported Draft Year: Not Reported Not Reported

Hole Bottom Elevation: -420 Solid Casing Bot Elevation: -286

Perf Casing Bot Elevation:Not ReportedPump Capacity (MM gal/day):Not ReportedPump Intake Depth (ft):Not ReportedLatest WCR1 Report:01-JAN-99Latest WCR2 Report:Not ReportedTransmissivity:Not Reported

H76
South
1/4 - 1/2 Mile
Higher
HI WELLS
HI1300000001197

Well #: 3-2101-007 Well Name: Honouliuli D Original Name: Aquifer Type: Basal Not Reported Year Drilled: 1890 Driller: Not Reported Well Depth (ft): 468 Land Owner: Not Reported

Pump Installer: Not Reported Well Construction Type: Not Reported Casing Diameter (in): 10 Ground Elevation (ft): 30

Solid Casing Depth (ft): 302 Perf Casing Depth (ft): Not Reported

Major Well Use: Abandoned-Sealed

Initial Water Level (ft): Not Reported Water Level After Drilling (ft): Not Reported Not Reported Not Reported Chloride Content (mg/l): Date Tested: Not Reported Not Reported Test Pump Rate (g/m): Test Drawdown Rate (ft): Test Chloride Content (mg/l): Not Reported Test Water Temp: Not Reported Test Unit: Not Reported Pump GPM: Not Reported

Max Chloride Level: Not Reported Min Chloride Level: Not Reported Pump Installed: Not Reported Draft Year: Not Reported

Hole Bottom Elevation: -438 Solid Casing Bot Elevation: -272

Perf Casing Bot Elevation:Not ReportedPump Capacity (MM gal/day):Not ReportedPump Intake Depth (ft):Not ReportedLatest WCR1 Report:01-JAN-90Latest WCR2 Report:Not ReportedTransmissivity:Not Reported

Map ID Direction Distance

EDR ID Number Elevation Database **H77 HI WELLS** HI130000001196 South 1/4 - 1/2 Mile Higher Well #: 3-2101-006 Well Name: Honouliuli C Original Name: Not Reported Aquifer Type: Basal 1890 Year Drilled: Driller: Not Reported Well Depth (ft): 451 Land Owner: Not Reported Pump Installer: Not Reported Well Construction Type: Not Reported Casing Diameter (in): 10 Ground Elevation (ft): 30 Solid Casing Depth (ft): 310 Perf Casing Depth (ft): Not Reported Major Well Use: Abandoned-Sealed Initial Water Level (ft): Not Reported Water Level After Drilling (ft): Not Reported Chloride Content (mg/l): Not Reported Date Tested: Not Reported Not Reported Test Drawdown Rate (ft): Not Reported Test Pump Rate (g/m): Test Chloride Content (mg/l): Not Reported Not Reported Test Water Temp: Not Reported Test Unit: Not Reported Pump GPM: Max Chloride Level: Not Reported Min Chloride Level: Not Reported Pump Installed: Not Reported Draft Year: Not Reported Hole Bottom Elevation: -421 Solid Casing Bot Elevation: -280

Pump Capacity (MM gal/day):

Latest WCR1 Report:

Transmissivity:

Not Reported

Not Reported

Not Reported

H78 South 1/4 - 1/2 Mile Higher

Perf Casing Bot Elevation:

Pump Intake Depth (ft):

Latest WCR2 Report:

Well #: 3-2101-005 Well Name: Honouliuli B
Original Name: Not Reported Aquifer Type: Basal
Year Drilled: 1890 Driller: Not Reporter

Not Reported Year Drilled: Driller: 1890 Well Depth (ft): Not Reported 456 Land Owner: Pump Installer: Not Reported Well Construction Type: Not Reported Ground Elevation (ft): Casing Diameter (in): 10 Solid Casing Depth (ft): 320 Perf Casing Depth (ft): Not Reported Major Well Use: Abandoned-Sealed

Initial Water Level (ft): Not Reported Water Level After Drilling (ft): Not Reported Not Reported Chloride Content (mg/l): Not Reported Date Tested: Test Pump Rate (g/m): Not Reported Test Drawdown Rate (ft): Not Reported Test Chloride Content (mg/l): Not Reported Test Water Temp: Not Reported Pump GPM: Test Unit: Not Reported Not Reported Min Chloride Level: Max Chloride Level: Not Reported Not Reported Not Reported Pump Installed: Not Reported Draft Year:

Hole Bottom Elevation: -426 Solid Casing Bot Elevation: -290 Not Reported Not Reported Perf Casing Bot Elevation: Pump Capacity (MM gal/day): Pump Intake Depth (ft): Latest WCR1 Report: 01-JAN-90 Not Reported Latest WCR2 Report: Not Reported Transmissivity: Not Reported

Not Reported

Not Reported

HI130000001195

01-JAN-90

HI WELLS

Map ID Direction Distance Elevation

Latest WCR2 Report:

Latest WCR2 Report:

Higher

H79 **HI WELLS** HI130000001198 South 1/4 - 1/2 Mile Higher Well #: 3-2101-008 Well Name: Honouliuli E Original Name: Not Reported Aquifer Type: Basal 1890 Year Drilled: Driller: Not Reported Well Depth (ft): 462 Land Owner: Not Reported Pump Installer: Not Reported Well Construction Type: Not Reported Casing Diameter (in): 10 Ground Elevation (ft): 30 Solid Casing Depth (ft): 310 Perf Casing Depth (ft): Not Reported Major Well Use: Abandoned-Sealed Initial Water Level (ft): Not Reported Water Level After Drilling (ft): Not Reported Chloride Content (mg/l): Not Reported Date Tested: Not Reported Not Reported Test Drawdown Rate (ft): Not Reported Test Pump Rate (g/m): Not Reported Test Chloride Content (mg/l): Not Reported Test Water Temp: Not Reported Test Unit: Not Reported Pump GPM: Max Chloride Level: Not Reported Min Chloride Level: Not Reported Pump Installed: Not Reported Draft Year: Not Reported Hole Bottom Elevation: -432 Solid Casing Bot Elevation: -280 Not Reported Perf Casing Bot Elevation: Not Reported Pump Capacity (MM gal/day): Pump Intake Depth (ft): Not Reported Latest WCR1 Report: 01-JAN-90

H80 South HI WELLS HI1300000001202 1/4 - 1/2 Mile

Transmissivity:

Transmissivity:

Not Reported

Not Reported

Well #: 3-2101-012 Well Name: Honouliuli A Original Name: Not Reported Aquifer Type: Basal Year Drilled: 1901 Driller: L. McCandless Well Depth (ft): 452 Land Owner: Not Reported Pump Installer: Not Reported Well Construction Type: Not Reported Ground Elevation (ft): Casing Diameter (in): 10 Solid Casing Depth (ft): 298 Perf Casing Depth (ft): Not Reported Major Well Use: Abandoned-Sealed Initial Water Level (ft): Not Reported Water Level After Drilling (ft): Not Reported Not Reported Chloride Content (mg/l): Not Reported Date Tested: Test Pump Rate (g/m): Not Reported Test Drawdown Rate (ft): Not Reported Test Chloride Content (mg/l): Not Reported Test Water Temp: Not Reported Pump GPM: Test Unit: Not Reported Not Reported Min Chloride Level: Max Chloride Level: Not Reported Not Reported Not Reported Pump Installed: Not Reported Draft Year: Hole Bottom Elevation: -422 Solid Casing Bot Elevation: -268 Not Reported Not Reported Perf Casing Bot Elevation: Pump Capacity (MM gal/day): Pump Intake Depth (ft): Latest WCR1 Report: 01-JAN-01 Not Reported

EDR ID Number

Not Reported

Not Reported

Map ID Direction Distance

Database EDR ID Number Elevation H81 **HI WELLS** HI130000001200 South 1/4 - 1/2 Mile

Higher

Well #: 3-2101-010 Well Name: Honouliuli G Original Name: Not Reported Aquifer Type: Basal

Year Drilled: 1899 L. McCandless Driller:

Well Depth (ft): 462

Land Owner: D.R. Horton - Schuler Homes LLC

Pump Installer: Not Reported Well Construction Type: Not Reported Casing Diameter (in): Ground Elevation (ft): 30 12 304 Perf Casing Depth (ft): Not Reported Solid Casing Depth (ft):

Abandoned-Sealed Major Well Use:

Initial Water Level (ft): Not Reported Water Level After Drilling (ft): Not Reported Not Reported Not Reported Chloride Content (mg/l): Date Tested: Not Reported Test Drawdown Rate (ft): Not Reported Test Pump Rate (g/m): Test Chloride Content (mg/l): Not Reported Test Water Temp: Not Reported Test Unit: Not Reported Pump GPM: Not Reported Max Chloride Level: Not Reported Min Chloride Level: Not Reported Pump Installed: Not Reported Draft Year: Not Reported

Hole Bottom Elevation: -432 Solid Casing Bot Elevation: -274

Perf Casing Bot Elevation: Not Reported Pump Capacity (MM gal/day): Not Reported Pump Intake Depth (ft): Not Reported Latest WCR1 Report: 01-JAN-99 Latest WCR2 Report: Not Reported Transmissivity: Not Reported

H82 1/4 - 1/2 Mile

Higher

Well #: 3-2101-009 Well Name: Honouliuli F Original Name: Not Reported Aquifer Type: Basal Year Drilled: 1890 Driller: Not Reported

Well Depth (ft): 448

Land Owner: D.R. Horton - Schuler Homes LLC

Pump Installer: Not Reported Well Construction Type: Not Reported Casing Diameter (in): Ground Elevation (ft): 10 31

Solid Casing Depth (ft): 432 Perf Casing Depth (ft): 448 Initial Water Level (ft): Major Well Use: Observation 31.5 Water Level After Drilling (ft): Not Reported Chloride Content (mg/l): 342

Date Tested: Not Reported Test Pump Rate (g/m): Not Reported

Test Chloride Content (mg/l): Test Drawdown Rate (ft): Not Reported Not Reported Not Reported

Test Water Temp: Not Reported Test Unit:

Pump GPM: Max Chloride Level: Not Reported Min Chloride Level: Not Reported Pump Installed: Not Reported

Draft Year: Not Reported Hole Bottom Elevation: -417 Solid Casing Bot Elevation: -401 Perf Casing Bot Elevation: -417

Pump Capacity (MM gal/day): Not Reported Pump Intake Depth (ft): Not Reported Latest WCR1 Report: 01-JAN-90 Latest WCR2 Report: Not Reported

Transmissivity: Not Reported **HI WELLS**

HI130000001199

Map ID Direction Distance

Database EDR ID Number Elevation

South 1/4 - 1/2 Mile

H83

FED USGS USGS40000270058

USGS40000270059

FED USGS

Higher

Organization ID: USGS-HI Organization Name: USGS Hawaii Water Science Center

3-2101-05 W268-B Monitor Location: Type: Well HUC: 20060000 Description: Not Reported Drainage Area Units: Not Reported Drainage Area: Not Reported Contrib Drainage Area: Not Reported Contrib Drainage Area Unts: Not Reported Aquifer: Not Reported Formation Type: Not Reported Aquifer Type: Not Reported Construction Date: 18900101 Well Depth: Well Depth Units: 456 ft

Well Hole Depth: Well Hole Depth Units: Not Reported Not Reported

H84 South 1/4 - 1/2 Mile Higher

Organization ID: USGS-HI Organization Name: USGS Hawaii Water Science Center Monitor Location: 3-2101-09 W268-F Type: Well HUC: 20060000 Description: Not Reported Drainage Area: Not Reported Drainage Area Units: Not Reported Contrib Drainage Area: Not Reported Contrib Drainage Area Unts: Not Reported Formation Type: Not Reported Aquifer: Not Reported Aquifer Type: Not Reported Construction Date: 18900101

Well Depth: 448 Well Depth Units: ft

Well Hole Depth Units: Well Hole Depth: Not Reported Not Reported

Ground water levels, Number of Measurements: 1 Level reading date: 1890-05-01 Feet below surface: -0.50Feet to sea level: Not Reported

Note: Not Reported

H85 **FED USGS** USGS40000270057 South

1/4 - 1/2 Mile Higher

> Organization ID: USGS-HI Organization Name: USGS Hawaii Water Science Center

Monitor Location: 3-2101-06 W268-C Type: Well Description: Not Reported HUC: 20060000 Not Reported Drainage Area: Not Reported Drainage Area Units: Contrib Drainage Area: Not Reported Contrib Drainage Area Unts: Not Reported Not Reported Aquifer: Not Reported Formation Type: Aquifer Type: Construction Date: 18900101 Not Reported

Well Depth: 451 Well Depth Units:

Well Hole Depth: Not Reported Well Hole Depth Units: Not Reported

Map ID Direction Distance

H86

Elevation Database EDR ID Number

South 1/4 - 1/2 Mile

FED USGS USGS40000270056

USGS40000270107

HI130000001203

FED USGS

HI WELLS

1/4 - 1/2 Mile Higher

Organization ID: USGS-HI Organization Name: USGS Hawaii Water Science Center

3-2101-07 W268-D Monitor Location: Type: Well HUC: 20060000 Description: Not Reported Drainage Area: Not Reported Drainage Area Units: Not Reported Contrib Drainage Area: Not Reported Contrib Drainage Area Unts: Not Reported Aquifer: Not Reported Formation Type: Not Reported Aquifer Type: Not Reported Construction Date: 18900101

Well Depth: 468 Well Depth Units: ft

Well Hole Depth: Not Reported Well Hole Depth Units: Not Reported

J87 East 1/4 - 1/2 Mile Lower

Organization ID: USGS-HI Organization Name: USGS Hawaii Water Science Center

Monitor Location: 3-2101-13 W266-1 Type: Well HUC: 20060000 Description: Not Reported Drainage Area: Not Reported Drainage Area Units: Not Reported Contrib Drainage Area: Not Reported Contrib Drainage Area Unts: Not Reported Not Reported Aquifer: Not Reported Formation Type: Aquifer Type: Not Reported Construction Date: 19550101

Well Depth: 225 Well Depth Units: ft

Well Hole Depth: Not Reported Well Hole Depth Units: Not Reported

J88 East 1/4 - 1/2 Mile Lower

Well #: 3-2101-013 Well Name: Honouliuli
Original Name: Not Reported Aquifer Type: Basal

Year Drilled: 1955 Driller: Layne International

Well Depth (ft): 225

Land Owner: City and County of Honolulu, C&CH

Pump Installer: Not Reported Well Construction Type: Not Reported

Casing Diameter (in): 2 Ground Elevation (ft): 3

Solid Casing Depth (ft): 131 Perf Casing Depth (ft): Not Reported

Major Well Use:Abandoned-LostInitial Water Level (ft):22.6Water Level After Drilling (ft):Not ReportedChloride Content (mg/l):150

Date Tested: Not Reported Test Pump Rate (g/m): Not Reported

Test Drawdown Rate (ft): Not Reported Test Chloride Content (mg/l): Not Reported Not Reported Test Unit: Not Reported Test Water Temp: Pump GPM: Not Reported Max Chloride Level: Not Reported Min Chloride Level: Not Reported Not Reported Pump Installed:

Draft Year: Not Reported Hole Bottom Elevation: -222

Solid Casing Bot Elevation:

-128

Perf Casing Bot Elevation:

Not Reported

Pump Capacity (MM gal/day):

Not Reported

Pump Intake Depth (ft):

Not Reported

Not Reported

Not Reported

Latest WCR1 Report:

Not Reported

Not Reported

Transmissivity: Not Reported

Map ID Direction Distance

Elevation Database EDR ID Number

K89 North 1/2 - 1 Mile

FED USGS USGS40000270173

HI130000001314

HI WELLS

Higher

Organization ID: USGS-HI Organization Name: USGS Hawaii Water Science Center

3-2202-01 W258 WAIPA Monitor Location: Type: Well HUC: 20060000 Description: Not Reported Drainage Area: Not Reported Drainage Area Units: Not Reported Contrib Drainage Area: Not Reported Contrib Drainage Area Unts: Not Reported Aquifer: Not Reported Formation Type: Not Reported Aquifer Type: Not Reported Construction Date: Not Reported

Well Depth: 500 Well Depth Units: ft

Well Hole Depth: Not Reported Well Hole Depth Units: Not Reported

-

K90 North 1/2 - 1 Mile Higher

Well #: 3-2202-001 Well Name: Honouliuli
Original Name: Not Reported Aquifer Type: Basal

Original Name:Not ReportedAquifer Type:BasalYear Drilled:Not ReportedDriller:L. McCandlessWell Depth (ft):500Land Owner:Mark H Ortiz TrustPump Installer:Not ReportedWell Construction Type:Not Reported

Casing Diameter (in): 10 Ground Elevation (ft): 23

Solid Casing Depth (ft): Not Reported Perf Casing Depth (ft): Not Reported

Major Well Use: Single and Multi Low-Rise and High-Rise Households

Water Level After Drilling (ft): Not Reported Initial Water Level (ft): 18.4 Chloride Content (mg/l): Not Reported 280 Date Tested: Test Pump Rate (g/m): Not Reported Test Drawdown Rate (ft): Not Reported Test Chloride Content (mg/l): Not Reported Test Water Temp: Not Reported Not Reported Test Unit: Pump GPM: 18 Min Chloride Level: Max Chloride Level: Not Reported Not Reported Not Reported Pump Installed: Draft Year: Not Reported

Hole Bottom Elevation: -477 Solid Casing Bot Elevation: Not Reported
Perf Casing Bot Elevation: Not Reported Pump Capacity (MM gal/day): .025

Pump Intake Depth (ft): Not Reported Latest WCR1 Report: Not Reported Latest WCR2 Report: Not Reported Transmissivity: Not Reported

Well #: 3-2202-006 Well Name: EP 18 North Battery

Original Name:EP 5&6Aquifer Type:BasalYear Drilled:1896Driller:Not Reported

Well Depth (ft): 304

Land Owner: D.R. Horton - Schuler Homes LLC

Pump Installer: Not Reported Well Construction Type: Not Reported

Casing Diameter (in): 12 Ground Elevation (ft): 50

Solid Casing Depth (ft): 70 Perf Casing Depth (ft): Not Reported

Major Well Use: Agriculture-Crops and Processing

Initial Water Level (ft):

Chloride Content (mg/l):

Vater Level After Drilling (ft):

Not Reported

Date Tested:

Not Reported

Test Pump Rate (g/m): Not Reported Test Drawdown Rate (ft): Not Reported Test Chloride Content (mg/l): Not Reported Test Water Temp: Not Reported Test Unit: Not Reported Pump GPM: Not Reported Max Chloride Level: Not Reported Min Chloride Level: Not Reported Pump Installed: Not Reported Draft Year: Not Reported

Hole Bottom Elevation: -254 Solid Casing Bot Elevation: -20

Perf Casing Bot Elevation:Not ReportedPump Capacity (MM gal/day):Not ReportedPump Intake Depth (ft):Not ReportedLatest WCR1 Report:01-JAN-96Latest WCR2 Report:Not ReportedTransmissivity:Not Reported

L92 NW HI WELLS HI130000001320

1/2 - 1 Mile Higher

Well #: 3-2202-007 Well Name: EP 18 North Battery

Original Name: EP 5&6 Aquifer Type: Basal Year Drilled: 1896 Driller: Not Reported

Well Depth (ft): 306

Land Owner: D.R. Horton - Schuler Homes LLC

Pump Installer: Not Reported Well Construction Type: Not Reported

Casing Diameter (in): 12 Ground Elevation (ft): 50

Solid Casing Depth (ft): 70 Perf Casing Depth (ft): Not Reported

Major Well Use: Agriculture-Crops and Processing

Initial Water Level (ft):22.1Water Level After Drilling (ft):Not ReportedChloride Content (mg/l):213Date Tested:Not ReportedTest Pump Rate (g/m):Not ReportedTest Drawdown Rate (ft):Not Reported

Test Chloride Content (mg/l): Not Reported Test Water Temp: Not Reported Not Reported Pump GPM: Not Reported Test Unit: Max Chloride Level: Not Reported Min Chloride Level: Not Reported Not Reported Pump Installed: Not Reported Draft Year:

Hole Bottom Elevation: -256 Solid Casing Bot Elevation: -20

Perf Casing Bot Elevation:Not ReportedPump Capacity (MM gal/day):Not ReportedPump Intake Depth (ft):Not ReportedLatest WCR1 Report:01-JAN-96Latest WCR2 Report:Not ReportedTransmissivity:Not Reported

L93 NW HI WELLS HI130000001321

1/2 - 1 Mile Higher

Pump Installed:

Well #: 3-2202-008 Well Name: EP 18 North Battery

Original Name: EP 5&6 Aquifer Type: Basal

Year Drilled: 1896 Driller: Not Reported

Well Depth (ft): 303

Land Owner: D.R. Horton - Schuler Homes LLC

Pump Installer: Not Reported Well Construction Type: Not Reported

Casing Diameter (in): 12 Ground Elevation (ft): 50

Solid Casing Depth (ft): 70 Perf Casing Depth (ft): Not Reported

Major Well Use: Agriculture-Crops and Processing

Initial Water Level (ft): Not Reported Water Level After Drilling (ft): Not Reported

Chloride Content (mg/l): Not Reported Date Tested: Not Reported Test Pump Rate (g/m): Not Reported Test Drawdown Rate (ft): Not Reported

Test Chloride Content (mg/l):

Not Reported

Not Reported

Test Water Temp:

Not Reported

Not Reported

Pump GPM:

Not Reported

Max Chloride Level:

Not Reported

Min Chloride Level:

Not Reported

Draft Year:

Hole Bottom Elevation: -253 Solid Casing Bot Elevation: -20

Not Reported

Not Reported

Perf Casing Bot Elevation:Not ReportedPump Capacity (MM gal/day):Not ReportedPump Intake Depth (ft):Not ReportedLatest WCR1 Report:01-JAN-96Latest WCR2 Report:Not ReportedTransmissivity:Not Reported

L94 NW HI WELLS HI130000001316

1/2 - 1 Mile Higher

Well #: 3-2202-003 Well Name: EP 18 North Battery

Original Name: EP 5&6 Aquifer Type: Basal

Year Drilled: 1896 Driller: Not Reported

Well Depth (ft): 304

Land Owner: D.R. Horton - Schuler Homes LLC

Pump Installer: Not Reported Well Construction Type: Not Reported

Casing Diameter (in): 12 Ground Elevation (ft): 50

Solid Casing Depth (ft): 70 Perf Casing Depth (ft): Not Reported

Major Well Use: Agriculture-Crops and Processing

Initial Water Level (ft): 22.1 Water Level After Drilling (ft): Not Reported Chloride Content (mg/l): Date Tested: Not Reported

Test Pump Rate (g/m):
Not Reported
Test Drawdown Rate (ft):
Not Reported
Test Chloride Content (mg/l):
Not Reported
Test Water Temp:
Not Reported

Test Unit: Not Reported Pump GPM: 3100

Max Chloride Level:Not ReportedMin Chloride Level:Not ReportedPump Installed:1995Draft Year:Not Reported

Hole Bottom Elevation: -254 Solid Casing Bot Elevation: -20 Perf Casing Bot Elevation: Not Reported Pump Capacity (MM gal/day): 4.464 Latest WCR1 Report: 01-JAN-96 Pump Intake Depth (ft): Not Reported Latest WCR2 Report: 04-DEC-95 Not Reported Transmissivity:

L95 NW HI WELLS HI130000001317

1/2 - 1 Mile Higher

Well #: 3-2202-004 Well Name: EP 18 North Battery

Original Name:EP 5&6Aquifer Type:BasalYear Drilled:1896Driller:Not Reported

Well Depth (ft): 305

Land Owner: D.R. Horton - Schuler Homes LLC

Pump Installer: Not Reported Well Construction Type: Not Reported

Casing Diameter (in): 12 Ground Elevation (ft): 50

Solid Casing Depth (ft): 70 Perf Casing Depth (ft): Not Reported

Major Well Use: Agriculture-Crops and Processing

Initial Water Level (ft): 22.1 Water Level After Drilling (ft): Not Reported

Chloride Content (mg/l): 213 Date Tested: Not Reported Test Drawdown Rate (ft): Not Reported Test Pump Rate (g/m): Not Reported Not Reported Test Chloride Content (mg/l): Not Reported Test Water Temp: Test Unit: Not Reported Pump GPM: Not Reported

Max Chloride Level:Not ReportedMin Chloride Level:Not ReportedPump Installed:Not ReportedDraft Year:Not Reported

Hole Bottom Elevation: -255 Solid Casing Bot Elevation: -20

Perf Casing Bot Elevation:

Not Reported

Pump Capacity (MM gal/day):

Not Reported

Pump Intake Depth (ft):

Not Reported

Latest WCR1 Report:

Not Reported

Transmissivity:

Not Reported

Map ID Direction Distance Elevation

L96 **HI WELLS** HI130000001318 NW

1/2 - 1 Mile Higher

> Well #: 3-2202-005 Well Name: EP 18 North Battery

Original Name: EP 5&6 Aquifer Type: Basal Year Drilled: 1896 Driller: Not Reported

Well Depth (ft): 310

Land Owner: D.R. Horton - Schuler Homes LLC

Pump Installer: Not Reported Well Construction Type: Not Reported Casing Diameter (in): Ground Elevation (ft): 12 50 70 Perf Casing Depth (ft): Not Reported Solid Casing Depth (ft):

Agriculture-Crops and Processing Major Well Use:

Initial Water Level (ft): 22.1 Water Level After Drilling (ft): Not Reported 213 Not Reported Chloride Content (mg/l): Date Tested: Test Drawdown Rate (ft): Not Reported Test Pump Rate (g/m): Not Reported Test Chloride Content (mg/l): Not Reported Test Water Temp: Not Reported Test Unit: Not Reported Pump GPM: Not Reported Max Chloride Level: Not Reported Min Chloride Level: Not Reported

Pump Installed: Not Reported Draft Year: Not Reported Hole Bottom Elevation: -260 Solid Casing Bot Elevation: -20

Perf Casing Bot Elevation: Not Reported Pump Capacity (MM gal/day): Not Reported Pump Intake Depth (ft): Not Reported Latest WCR1 Report: 01-JAN-96 Latest WCR2 Report: Not Reported Transmissivity: Not Reported

L97 1/2 - 1 Mile Higher

HI WELLS HI130000001325

Well #: 3-2202-012 Well Name: Original Name: EP 5&6 Aquifer Type: Year Drilled: 1897 Driller:

Well Depth (ft): 308

Land Owner: D.R. Horton - Schuler Homes LLC Pump Installer: Not Reported Well Construction Type: Not Reported

Casing Diameter (in): Ground Elevation (ft): 12 50

Solid Casing Depth (ft): Not Reported 70 Perf Casing Depth (ft):

Agriculture-Crops and Processing Major Well Use:

Initial Water Level (ft): 18.8 Water Level After Drilling (ft): Not Reported

Chloride Content (mg/l): 206 Date Tested: Not Reported Test Pump Rate (g/m): Not Reported Test Drawdown Rate (ft): Not Reported Test Chloride Content (mg/l): Not Reported Test Water Temp: Not Reported

Test Unit: Not Reported Pump GPM: Not Reported Max Chloride Level: Not Reported Min Chloride Level: Not Reported Pump Installed: Not Reported Draft Year: Not Reported

Hole Bottom Elevation: -258 Solid Casing Bot Elevation: -20

Perf Casing Bot Elevation: Not Reported Pump Capacity (MM gal/day): Not Reported Pump Intake Depth (ft): Latest WCR1 Report: 01-JAN-97 Not Reported Latest WCR2 Report: Not Reported Transmissivity: Not Reported

EDR ID Number

EP 18 North Battery

Basal

Not Reported

Database

Map ID Direction Distance Elevation

L98 **HI WELLS** HI130000001326 NW

1/2 - 1 Mile Higher

> Well #: 3-2202-013 Well Name: EP 18 North Battery

Original Name: EP 5&6 Aquifer Type: Basal Year Drilled: 1897 Driller: Not Reported

Well Depth (ft): 308

Land Owner: D.R. Horton - Schuler Homes LLC

Pump Installer: Not Reported Well Construction Type: Not Reported Casing Diameter (in): Ground Elevation (ft): 12 50 70 Perf Casing Depth (ft): Not Reported Solid Casing Depth (ft):

Agriculture-Crops and Processing Major Well Use:

Initial Water Level (ft): 18.8 Water Level After Drilling (ft): Not Reported 206 Not Reported Chloride Content (mg/l): Date Tested: Test Drawdown Rate (ft): Not Reported Test Pump Rate (g/m): Not Reported Test Chloride Content (mg/l): Not Reported Test Water Temp: Not Reported Test Unit: Not Reported Pump GPM: Not Reported

Max Chloride Level: Not Reported Min Chloride Level: Not Reported Pump Installed: Not Reported Draft Year: Not Reported

Hole Bottom Elevation: -258 Solid Casing Bot Elevation: -20

Perf Casing Bot Elevation: Not Reported Pump Capacity (MM gal/day): Not Reported Pump Intake Depth (ft): Not Reported Latest WCR1 Report: 01-JAN-97 Latest WCR2 Report: Not Reported Transmissivity: Not Reported

L99 NW 1/2 - 1 Mile Higher

HI WELLS HI130000001327

Well #:

3-2202-014 Well Name: EP 18 North Battery

Original Name: EP 5&6 Aquifer Type: Basal

Year Drilled: 1897 Driller: Not Reported

Well Depth (ft): 308 Land Owner: D.R. Horton - Schuler Homes LLC

Pump Installer: Not Reported Well Construction Type: Not Reported

Casing Diameter (in): Ground Elevation (ft): 12 50

Solid Casing Depth (ft): Not Reported 70 Perf Casing Depth (ft):

Agriculture-Crops and Processing Major Well Use:

Initial Water Level (ft): 18.8 Water Level After Drilling (ft): Not Reported

Chloride Content (mg/l): 206 Date Tested:

Not Reported Test Pump Rate (g/m): Not Reported Test Drawdown Rate (ft): Not Reported Test Chloride Content (mg/l): Not Reported Test Water Temp: Not Reported Test Unit: Not Reported Pump GPM: Not Reported Max Chloride Level: Not Reported Min Chloride Level: Not Reported

Pump Installed: Not Reported Draft Year: Not Reported Hole Bottom Elevation: -258 Solid Casing Bot Elevation: -20

Perf Casing Bot Elevation: Not Reported Pump Capacity (MM gal/day): Not Reported Pump Intake Depth (ft): Latest WCR1 Report: 01-JAN-97 Not Reported Latest WCR2 Report: Not Reported Transmissivity: Not Reported

EDR ID Number

Database

Map ID Direction Distance Elevation

L100 **HI WELLS** HI130000001322 NW

1/2 - 1 Mile Higher

> Well #: 3-2202-009 Well Name: EP 18 North Battery

Original Name: EP 5&6 Aquifer Type: Basal Year Drilled: 1896 Driller: Not Reported

Well Depth (ft): 312

Land Owner: D.R. Horton - Schuler Homes LLC

Pump Installer: Not Reported Well Construction Type: Not Reported Casing Diameter (in): Ground Elevation (ft): 12 50 70 Perf Casing Depth (ft): Not Reported Solid Casing Depth (ft):

Agriculture-Crops and Processing Major Well Use:

Initial Water Level (ft): 18.8 Water Level After Drilling (ft): Not Reported 206 Not Reported Chloride Content (mg/l): Date Tested: Test Drawdown Rate (ft): Not Reported Test Pump Rate (g/m): Not Reported Test Chloride Content (mg/l): Not Reported Test Water Temp: Not Reported Test Unit: Not Reported Pump GPM: Not Reported Max Chloride Level: Not Reported Min Chloride Level: Not Reported

Pump Installed: Not Reported Draft Year: Not Reported Hole Bottom Elevation: -262 Solid Casing Bot Elevation: -20

Perf Casing Bot Elevation: Not Reported Pump Capacity (MM gal/day): Not Reported Pump Intake Depth (ft): Not Reported Latest WCR1 Report: 01-JAN-96 Latest WCR2 Report: Not Reported Transmissivity: Not Reported

L101 1/2 - 1 Mile

HI WELLS HI130000001323

Higher

Well #: 3-2202-010 Well Name: EP 18 North Battery

Original Name: EP 5&6 Aquifer Type: Basal

Year Drilled: 1897 Driller: Not Reported

Well Depth (ft): 307 Land Owner: D.R. Horton - Schuler Homes LLC

Pump Installer: Not Reported Well Construction Type: Not Reported

Casing Diameter (in): Ground Elevation (ft): 12 50

Solid Casing Depth (ft): Not Reported 70 Perf Casing Depth (ft):

Agriculture-Crops and Processing Major Well Use:

Initial Water Level (ft): 18.8 Water Level After Drilling (ft): Not Reported

Chloride Content (mg/l): 206 Date Tested: Not Reported

Test Pump Rate (g/m): Not Reported Test Drawdown Rate (ft): Not Reported Test Chloride Content (mg/l): Not Reported Test Water Temp: Not Reported

Test Unit: Not Reported Pump GPM: Not Reported Max Chloride Level: Not Reported Min Chloride Level: Not Reported

Pump Installed: Not Reported Draft Year: Not Reported Hole Bottom Elevation: -257 -20

Solid Casing Bot Elevation: Perf Casing Bot Elevation: Not Reported Pump Capacity (MM gal/day): Not Reported Pump Intake Depth (ft): Latest WCR1 Report: 01-JAN-97 Not Reported Latest WCR2 Report: Not Reported Transmissivity: Not Reported

EDR ID Number

Database

Map ID Direction Distance Elevation

EDR ID Number L102 **HI WELLS** HI130000001324 NW

1/2 - 1 Mile Higher

> Well #: 3-2202-011 Well Name: EP 18 North Battery

Original Name: EP 5&6 Aquifer Type: Basal Year Drilled: 1897 Driller: Not Reported

Well Depth (ft): 306

Land Owner: D.R. Horton - Schuler Homes LLC

Pump Installer: Not Reported Well Construction Type: Not Reported Casing Diameter (in): Ground Elevation (ft): 50 12 Solid Casing Depth (ft): 70 Perf Casing Depth (ft): Not Reported

Agriculture-Crops and Processing Major Well Use:

Initial Water Level (ft): 18.8 Water Level After Drilling (ft): Not Reported 206 Not Reported Chloride Content (mg/l): Date Tested: Test Pump Rate (g/m): Not Reported Test Drawdown Rate (ft): Not Reported Test Chloride Content (mg/l): Not Reported Test Water Temp: Not Reported Test Unit: Not Reported Pump GPM: Not Reported Max Chloride Level: Not Reported Min Chloride Level: Not Reported Not Reported Pump Installed: Not Reported Draft Year:

Hole Bottom Elevation: -256 Solid Casing Bot Elevation: -20

Perf Casing Bot Elevation: Not Reported Pump Capacity (MM gal/day): Not Reported Pump Intake Depth (ft): Not Reported Latest WCR1 Report: 01-JAN-97 Latest WCR2 Report: Not Reported Transmissivity: Not Reported

L103 NW

1/2 - 1 Mile Higher

Organization ID: USGS-HI Organization Name: USGS Hawaii Water Science Center Monitor Location: 3-2202-14 W259-L Type: Well HUC: 20060000 Description: Not Reported Drainage Area: Not Reported Drainage Area Units: Not Reported Contrib Drainage Area: Not Reported Contrib Drainage Area Unts: Not Reported Aquifer: Not Reported Formation Type: Not Reported Construction Date: 18970101 Aquifer Type: Not Reported

Well Depth: Well Depth Units: 308

Well Hole Depth: Well Hole Depth Units: Not Reported Not Reported

L104 **FED USGS** USGS40000270143 1/2 - 1 Mile Higher

Organization ID: USGS-HI Organization Name: USGS Hawaii Water Science Center

Monitor Location: 3-2202-04 W259-B Type: Well Description: Not Reported HUC: 20060000 Not Reported Drainage Area: Not Reported Drainage Area Units: Contrib Drainage Area: Contrib Drainage Area Unts: Not Reported Not Reported Aquifer: Not Reported Formation Type: Not Reported Aquifer Type: Not Reported Construction Date: 18960101 Well Depth: 305 Well Depth Units:

Well Hole Depth: Not Reported Well Hole Depth Units: Not Reported

Database

FED USGS

USGS40000270142

Map ID Direction Distance

EDR ID Number Elevation Database

L105 NW 1/2 - 1 Mile

FED USGS USGS40000270144

USGS40000270139

USGS40000270140

USGS40000270141

FED USGS

FED USGS

Higher

Organization ID: USGS-HI Organization Name: USGS Hawaii Water Science Center

3-2202-05 W259-C Monitor Location: Type: Well HUC: 20060000 Description: Not Reported Not Reported Drainage Area: Not Reported Drainage Area Units: Contrib Drainage Area: Not Reported Contrib Drainage Area Unts: Not Reported Aquifer: Not Reported Formation Type: Not Reported Aquifer Type: Not Reported Construction Date: 18960101 ft

Well Depth: Well Depth Units: 310

Well Hole Depth: Not Reported Well Hole Depth Units: Not Reported

L106 NW 1/2 - 1 Mile Higher

> Organization ID: USGS-HI USGS Hawaii Water Science Center Organization Name:

Monitor Location: 3-2202-12 W259-J Type: Well HUC: 20060000 Description: Not Reported Drainage Area: Not Reported Drainage Area Units: Not Reported Contrib Drainage Area: Not Reported Contrib Drainage Area Unts: Not Reported Not Reported Aquifer: Not Reported Formation Type: Aquifer Type: Not Reported Construction Date: 18970101

Well Depth: 308 Well Depth Units: ft

Well Hole Depth: Not Reported Well Hole Depth Units: Not Reported

L107 NW 1/2 - 1 Mile Higher

> Organization ID: USGS-HI Organization Name: USGS Hawaii Water Science Center

Monitor Location: 3-2202-13 W259-K Well Type: 20060000 Description: Not Reported HUC: Drainage Area: Not Reported Drainage Area Units: Not Reported Contrib Drainage Area: Not Reported Contrib Drainage Area Unts: Not Reported Aquifer: Not Reported Formation Type: Not Reported Aquifer Type: Not Reported Construction Date: 18970101

Well Depth: 308 Well Depth Units:

Well Hole Depth: Not Reported Well Hole Depth Units: Not Reported

L108

NW 1/2 - 1 Mile Higher

> Organization ID: USGS-HI Organization Name: USGS Hawaii Water Science Center

Monitor Location: 3-2202-03 W259-A Type: Well Not Reported HUC: 20060000 Description: Drainage Area: Not Reported **Drainage Area Units:** Not Reported

TC8137757.2s Page A-78

FED USGS

Not Reported Contrib Drainage Area: Not Reported Contrib Drainage Area Unts: Aquifer: Not Reported Formation Type: Not Reported 18960101 Aquifer Type: Not Reported Construction Date: ft

Well Depth: Well Depth Units: 304

Well Hole Depth: Well Hole Depth Units: Not Reported Not Reported

L109 NW **FED USGS** USGS40000270148

1/2 - 1 Mile Higher

> Organization ID: USGS-HI Organization Name: USGS Hawaii Water Science Center

Monitor Location: 3-2202-10 W259-H Type: Well HUC: 20060000 Description: Not Reported Drainage Area: Not Reported **Drainage Area Units:** Not Reported Contrib Drainage Area: Not Reported Contrib Drainage Area Unts: Not Reported Aquifer: Not Reported Formation Type: Not Reported 18970101 Aquifer Type: Not Reported Construction Date:

Well Depth: Well Depth Units: 307

Well Hole Depth: Not Reported Well Hole Depth Units: Not Reported

L110 **FED USGS** USGS40000270149

1/2 - 1 Mile Higher

Higher

Organization ID: **USGS-HI** Organization Name: USGS Hawaii Water Science Center

Monitor Location: 3-2202-11 W259-I Type: Well 20060000 HUC: Description: Not Reported Drainage Area: Not Reported Drainage Area Units: Not Reported Contrib Drainage Area: Not Reported Contrib Drainage Area Unts: Not Reported Aquifer: Not Reported Formation Type: Not Reported Aquifer Type: Construction Date: 18970101 Not Reported

Well Depth: Well Depth Units: 306

Well Hole Depth: Not Reported Well Hole Depth Units: Not Reported

L111 NW **FED USGS** USGS40000270150 1/2 - 1 Mile

Organization ID: USGS-HI USGS Hawaii Water Science Center Organization Name:

3-2202-03 TO 14 Well: Multiple wells Monitor Location: Type:

Description: Not Reported HUC: 20060000 Not Reported Drainage Area: Not Reported Drainage Area Units: Contrib Drainage Area Unts: Not Reported Contrib Drainage Area: Not Reported Aquifer: Not Reported Formation Type: Not Reported Aquifer Type: Construction Date: Not Reported Not Reported Well Depth: Not Reported Well Depth Units: Not Reported Well Hole Depth: Not Reported Well Hole Depth Units: Not Reported

Map ID Direction Distance

EDR ID Number Elevation Database

L112 NW 1/2 - 1 Mile

FED USGS USGS40000270145

USGS40000270146

USGS40000270147

USGS40000270151

FED USGS

FED USGS

Higher

Organization ID: USGS-HI Organization Name: USGS Hawaii Water Science Center

Monitor Location: 3-2202-06 W259-D Type: Well HUC: 20060000 Description: Not Reported Not Reported Drainage Area: Not Reported Drainage Area Units: Contrib Drainage Area: Not Reported Contrib Drainage Area Unts: Not Reported Aquifer: Not Reported Formation Type: Not Reported Aquifer Type: Not Reported Construction Date: 18960101 ft

Well Depth: Well Depth Units: 304

Well Hole Depth: Not Reported Well Hole Depth Units: Not Reported

L113 NW 1/2 - 1 Mile Higher

> Organization ID: USGS-HI USGS Hawaii Water Science Center Organization Name:

Monitor Location: 3-2202-07 W259-E Type: Well HUC: 20060000 Description: Not Reported Drainage Area: Not Reported Drainage Area Units: Not Reported Contrib Drainage Area: Not Reported Contrib Drainage Area Unts: Not Reported Not Reported Aquifer: Not Reported Formation Type: Aquifer Type: Not Reported Construction Date: 18960101

Well Depth: 306 Well Depth Units: ft

Well Hole Depth: Not Reported Well Hole Depth Units: Not Reported

L114 NW 1/2 - 1 Mile Higher

> Organization ID: USGS-HI Organization Name: USGS Hawaii Water Science Center

Monitor Location: 3-2202-09 W259-G Well Type: 20060000 Description: Not Reported HUC: Drainage Area: Not Reported Drainage Area Units: Not Reported Contrib Drainage Area: Not Reported Contrib Drainage Area Unts: Not Reported Aquifer: Not Reported Formation Type: Not Reported Aquifer Type: Not Reported Construction Date: 18960101

Well Depth: Well Depth Units: 312

Well Hole Depth: Not Reported Well Hole Depth Units: Not Reported

L115

1/2 - 1 Mile Higher

> Organization ID: USGS-HI Organization Name: USGS Hawaii Water Science Center

Monitor Location: 3-2202-08 W259-F Type: Well Not Reported HUC: 20060000 Description: Drainage Area: Not Reported **Drainage Area Units:** Not Reported

TC8137757.2s Page A-80

FED USGS

Well Hole Depth Units:

Not Reported

HI130000001204

HI WELLS

Contrib Drainage Area: Not Reported Contrib Drainage Area Unts: Not Reported Aquifer: Not Reported Formation Type: Not Reported Aquifer Type: Not Reported Construction Date: 18960101

Well Depth: 303 Well Depth Units: ft

Not Reported

116 ESE 1/2 - 1 Mile Lower

Well Hole Depth:

Well #:3-2101-014Well Name:HonouliuliOriginal Name:Not ReportedAquifer Type:CaprockYear Drilled:1978Driller:Ralph Parsons

Well Depth (ft): 12

Land Owner:U.S. Department of the Navy, Navy Region HawaiiPump Installer:Not ReportedWell Construction Type:DugCasing Diameter (in):96Ground Elevation (ft):6Solid Casing Depth (ft):4Perf Casing Depth (ft):8

Major Well Use: Habitat Maintenance

Initial Water Level (ft): Not Reported Water Level After Drilling (ft): Not Reported Not Reported Chloride Content (mg/l): Date Tested: Not Reported Test Pump Rate (g/m): Not Reported Test Drawdown Rate (ft): Not Reported Test Chloride Content (mg/l): Not Reported Test Water Temp: Not Reported

Test Unit: Not Reported Pump GPM: 300

Max Chloride Level:Not ReportedMin Chloride Level:Not ReportedPump Installed:Not ReportedDraft Year:Not Reported

Hole Bottom Elevation:-6Solid Casing Bot Elevation:2Perf Casing Bot Elevation:-2Pump Capacity (MM gal/day):.432Pump Intake Depth (ft):Not ReportedLatest WCR1 Report:01-JAN-78Latest WCR2 Report:01-JAN-85Transmissivity:Not Reported

M117
North
HI WELLS
HI30000001306
1/2 - 1 Mile
Higher

Well #:3-2201-007Well Name:EP 2Original Name:Not ReportedAquifer Type:Basal

Year Drilled: 1921 Driller: L. McCandless

Well Depth (ft): 282

Land Owner: Golf Courses Division Office, City & County of Honolulu C&CH

Pump Installer: Not Reported Well Construction Type: Not Reported

Casing Diameter (in): 12 Ground Elevation (ft): 40

Solid Casing Depth (ft): 62 Perf Casing Depth (ft): Not Reported

Major Well Use:Golf CourseInitial Water Level (ft):16.6Water Level After Drilling (ft):Not ReportedChloride Content (mg/l):304

Date Tested:

Not Reported

Test Pump Rate (g/m):

Not Reported

Test Drawdown Rate (ft): Not Reported Test Chloride Content (mg/l): Not Reported Not Reported Test Unit: Not Reported Test Water Temp: Pump GPM: Not Reported Max Chloride Level: Not Reported Min Chloride Level: Not Reported Not Reported Pump Installed:

Draft Year: Not Reported Hole Bottom Elevation: -242

Solid Casing Bot Elevation: -22 Perf Casing Bot Elevation: Not Reported Pump Capacity (MM gal/day): Not Reported Pump Intake Depth (ft): Not Reported

Latest WCR1 Report: 01-JAN-21 Latest WCR2 Report: Not Reported

Transmissivity: Not Reported

Map ID Direction Distance

EDR ID Number Elevation Database

M118 North 1/2 - 1 Mile Higher

FED USGS USGS40000270196

USGS40000270195

USGS40000270198

USGS40000270197

FED USGS

FED USGS

Organization ID: **USGS-HI**

Organization Name: USGS Hawaii Water Science Center 3-2201-03 W257-A WAI Monitor Location: Type: Well HUC: 20060000 Description: Not Reported Drainage Area: Not Reported Drainage Area Units: Not Reported Contrib Drainage Area: Not Reported Contrib Drainage Area Unts: Not Reported Aquifer: Not Reported Formation Type: Not Reported Aquifer Type: Not Reported Construction Date: 18910101

Well Depth: Well Depth Units: 230 ft

Well Hole Depth: Not Reported Well Hole Depth Units: Not Reported

M119 North 1/2 - 1 Mile Higher

> Organization ID: USGS-HI USGS Hawaii Water Science Center Organization Name:

Monitor Location: 3-2201-03,04,07 Type: Well: Multiple wells

HUC: Description: Not Reported 20060000 Drainage Area: Not Reported Drainage Area Units: Not Reported Contrib Drainage Area: Not Reported Contrib Drainage Area Unts: Not Reported Aquifer: Not Reported Formation Type: Not Reported Aquifer Type: Not Reported Construction Date: Not Reported Well Depth: Not Reported Well Depth Units: Not Reported Well Hole Depth: Not Reported Well Hole Depth Units: Not Reported

M120 North 1/2 - 1 Mile Higher

> Organization ID: USGS-HI Organization Name: USGS Hawaii Water Science Center

Monitor Location: 3-2201-07 W257-C WAI Well Type: 20060000 Description: Not Reported HUC: Drainage Area: Not Reported Drainage Area Units: Not Reported Contrib Drainage Area: Not Reported Contrib Drainage Area Unts: Not Reported Aquifer: Not Reported Formation Type: Not Reported Aquifer Type: Not Reported Construction Date: 19210101

Well Depth: 282 Well Depth Units:

Well Hole Depth: Not Reported Well Hole Depth Units: Not Reported

M121

North 1/2 - 1 Mile Higher

> Organization ID: USGS-HI Organization Name: USGS Hawaii Water Science Center

Monitor Location: 3-2201-04 W257-B WAI Type: Well Not Reported HUC: 20060000 Description: Drainage Area: Not Reported **Drainage Area Units:** Not Reported

TC8137757.2s Page A-82

FED USGS

Well Hole Depth Units:

Not Reported

HI130000001207

HI WELLS

Not Reported Contrib Drainage Area: Not Reported Contrib Drainage Area Unts: Aquifer: Not Reported Formation Type: Not Reported 18910101 Aquifer Type: Not Reported Construction Date:

Well Depth: Well Depth Units: 226 ft

N122 SSW 1/2 - 1 Mile Higher

Well Hole Depth:

Well #: 3-2102-003 Well Name: Honouliuli Original Name: Aquifer Type: Not Reported Basal Year Drilled: 1891 Driller: Not Reported

Well Depth (ft): Not Reported

Land Owner: City and County of Honolulu, C&CH

Not Reported

Not Reported Pump Installer: Well Construction Type: Dug Casing Diameter (in): Not Reported Ground Elevation (ft): Not Reported Solid Casing Depth (ft): Not Reported Perf Casing Depth (ft): Not Reported

Major Well Use: Abandoned-Sealed

Initial Water Level (ft): Not Reported Water Level After Drilling (ft): Not Reported Not Reported Not Reported Chloride Content (mg/l): Date Tested: Test Pump Rate (g/m): Not Reported Test Drawdown Rate (ft): Not Reported Test Chloride Content (mg/l): Not Reported Test Water Temp: Not Reported Not Reported Test Unit: Not Reported Pump GPM: Not Reported Max Chloride Level: Not Reported Min Chloride Level: Pump Installed: Not Reported Draft Year: Not Reported Not Reported Solid Casing Bot Elevation: Not Reported Hole Bottom Elevation: Perf Casing Bot Elevation: Not Reported Pump Capacity (MM gal/day): Not Reported Pump Intake Depth (ft): Not Reported Latest WCR1 Report: 01-JAN-91

Latest WCR2 Report: Not Reported Transmissivity: Not Reported

M123 **HI WELLS** HI130000001302 North 1/2 - 1 Mile Higher

EP 2 Well #: 3-2201-003 Well Name: Original Name: Not Reported Aquifer Type: Basal L. McCandless

Year Drilled: 1890 Driller:

Well Depth (ft):

Land Owner: Golf Courses Division Office, City & County of Honolulu C&CH

01-JAN-91

Pump Installer: Not Reported Well Construction Type: Not Reported

Ground Elevation (ft): Casing Diameter (in): 10 40

Solid Casing Depth (ft): 50 Perf Casing Depth (ft): Not Reported Major Well Use: Golf Course Initial Water Level (ft): 16.6

Water Level After Drilling (ft): Not Reported Chloride Content (mg/l): 304

Test Pump Rate (g/m): Not Reported Date Tested: Not Reported Test Drawdown Rate (ft): Not Reported Test Chloride Content (mg/l): Not Reported

Not Reported Test Unit: Not Reported Test Water Temp: Pump GPM: 2300 Max Chloride Level: Not Reported

Min Chloride Level: Not Reported Not Reported Pump Installed: Not Reported Draft Year: Hole Bottom Elevation: -190

Solid Casing Bot Elevation: -10 Perf Casing Bot Elevation: Not Reported Pump Capacity (MM gal/day): 3.312 Pump Intake Depth (ft): Not Reported

Latest WCR2 Report:

Not Reported Transmissivity:

Latest WCR1 Report:

Not Reported

Map ID Direction Distance

 Elevation
 Database
 EDR ID Number

 M124
 North
 HI WELLS
 HI1300000001303

1/2 - 1 Mile Higher

Well #:3-2201-004Well Name:EP 2Original Name:Not ReportedAquifer Type:Basal

Year Drilled: 1891 Driller: L. McCandless

Well Depth (ft): 226

Land Owner: Golf Courses Division Office, City & County of Honolulu C&CH

Pump Installer: Not Reported Well Construction Type: Not Reported Casing Diameter (in): Ground Elevation (ft): 40 10 50 Perf Casing Depth (ft): Not Reported Solid Casing Depth (ft): Golf Course Initial Water Level (ft): Major Well Use: 16.6 Water Level After Drilling (ft): Not Reported Chloride Content (mg/l): 304

Not Reported Not Reported Date Tested: Test Pump Rate (g/m): Test Chloride Content (mg/l): Test Drawdown Rate (ft): Not Reported Not Reported Test Water Temp: Not Reported Test Unit: Not Reported Pump GPM: Not Reported Max Chloride Level: Not Reported Min Chloride Level: Not Reported Pump Installed: Not Reported

Draft Year: Not Reported Hole Bottom Elevation: -186

Solid Casing Bot Elevation: -10 Perf Casing Bot Elevation: Not Reported Pump Capacity (MM gal/day): Not Reported Pump Intake Depth (ft): Not Reported

Latest WCR1 Report: 01-JAN-91 Latest WCR2 Report: Not Reported

Transmissivity: Not Reported

N125 SSW FED USGS USGS40000270033

1/2 - 1 Mile Higher

Organization ID: USGS-HI Organization Name: USGS Hawaii Water Science Center

Monitor Location: 3-2102-03 W273-1 Type: Well Not Reported HUC: 20060000 Description: Drainage Area: Not Reported Drainage Area Units: Not Reported Contrib Drainage Area: Contrib Drainage Area Unts: Not Reported Not Reported Aquifer: Not Reported Formation Type: Not Reported Aquifer Type: Not Reported Construction Date: 18910101 Well Depth: Not Reported Well Depth Units: Not Reported Well Hole Depth: Well Hole Depth Units: Not Reported Not Reported

O126
NE FED USGS USGS40000270175

NE 1/2 - 1 Mile Lower

Organization ID: USGS-HI Organization Name: USGS Hawaii Water Science Center

Monitor Location: 3-2201-13 W255-2 WAI Type: Well Description: Not Reported HUC: 20060000 Drainage Area: Not Reported Drainage Area Units: Not Reported Contrib Drainage Area: Contrib Drainage Area Unts: Not Reported Not Reported Aquifer: Not Reported Formation Type: Not Reported Aquifer Type: Not Reported Construction Date: 19590101 Well Depth: 200 Well Depth Units:

Well Hole Depth: Not Reported Well Hole Depth Units: Not Reported

Map ID Direction Distance

EDR ID Number Elevation Database

0127 NE

FED USGS USGS40000270172

1/2 - 1 Mile Lower

> Organization ID: USGS-HI Organization Name: USGS Hawaii Water Science Center

3-2201-11 W255-1 WAI Monitor Location: Type: Well HUC: 20060000 Description: Not Reported Drainage Area: Not Reported Drainage Area Units: Not Reported Contrib Drainage Area: Not Reported Contrib Drainage Area Unts: Not Reported Aquifer: Not Reported Formation Type: Not Reported Aquifer Type: Not Reported Construction Date: 19540503 Well Depth: Well Depth Units: 175 ft Well Hole Depth: 175 Well Hole Depth Units: ft

1954-05-14 Ground water levels, Number of Measurements: 1 Level reading date: Feet below surface: -14.54 Feet to sea level: Not Reported

Note: Not Reported

O128 HI130000001312 **HI WELLS**

1/2 - 1 Mile Higher

> Well # 3-2201-013 Well Name: Pearl Harbor Original Name: Not Reported Aquifer Type: Basal

Year Drilled: 1959

Driller: Goodfellow Construction, Inc. Corporate

Well Depth (ft): 200

Land Owner: Stanley M. & Jane C. Nakata

Pump Installer: Not Reported Well Construction Type: Rotary Casing Diameter (in): Ground Elevation (ft):

Perf Casing Depth (ft): Solid Casing Depth (ft): 60 Not Reported

Major Well Use: Single and Multi Low-Rise and High-Rise Households

Initial Water Level (ft): 18.58 Water Level After Drilling (ft): Not Reported Chloride Content (mg/l): 164 Date Tested: Not Reported Test Pump Rate (g/m): Not Reported Test Drawdown Rate (ft): Not Reported Test Chloride Content (mg/l): Not Reported Test Water Temp: Not Reported

Test Unit: Not Reported Pump GPM: 69

Max Chloride Level: Not Reported Min Chloride Level: Not Reported Pump Installed: Not Reported Draft Year: Not Reported

Hole Bottom Elevation: -195 Solid Casing Bot Elevation: -55 .099 Perf Casing Bot Elevation: Not Reported Pump Capacity (MM gal/day): Pump Intake Depth (ft): Not Reported Latest WCR1 Report:

01-APR-59 Latest WCR2 Report: Not Reported Transmissivity: Not Reported

0129 1/2 - 1 Mile

HI WELLS HI130000001310 Lower

Well #: 3-2201-011 Well Name: Pearl Harbor Original Name: Not Reported Aguifer Type: Basal

Year Drilled: 1954 Driller: Layne International Well Depth (ft): Land Owner: Hideo & Alice M. Asato 175

Pump Installer: Not Reported Well Construction Type: Not Reported

Casing Diameter (in): 2 Ground Elevation (ft): 4

Solid Casing Depth (ft): 114 Perf Casing Depth (ft): Not Reported

Major Well Use: Single and Multi Low-Rise and High-Rise Households

Initial Water Level (ft): 17.5 Water Level After Drilling (ft): Not Reported Date Tested: Chloride Content (mg/l): 244 Not Reported Test Pump Rate (g/m): Not Reported Test Drawdown Rate (ft): Not Reported Test Chloride Content (mg/l): Not Reported Test Water Temp: Not Reported

Test Unit: Not Reported Pump GPM: 46

 Max Chloride Level:
 Not Reported
 Min Chloride Level:
 Not Reported

 Pump Installed:
 1954
 Draft Year:
 Not Reported

 Hole Bottom Elevation:
 -171
 Solid Casing Bot Elevation:
 -110

 Port Casing Ret Elevation:
 Not Reported
 Pump Capacity (MM cal/day):
 066

Perf Casing Bot Elevation:Not ReportedPump Capacity (MM gal/day):.066Pump Intake Depth (ft):Not ReportedLatest WCR1 Report:13-MAY-54Latest WCR2 Report:Not ReportedTransmissivity:Not Reported

P130 SSE HI WELLS HI1300000001192 1/2 - 1 Mile

Higher

Well #: 3-2101-002 Well Name: Honouliuli Original Name: Not Reported Aquifer Type: Basal Year Drilled: Not Reported Driller: Not Reported Well Depth (ft): Not Reported Land Owner: Not Reported Pump Installer: Not Reported Well Construction Type: Not Reported

Casing Diameter (in): Not Reported Ground Elevation (ft): 25

Solid Casing Depth (ft): Not Reported Perf Casing Depth (ft): Not Reported

Major Well Use: Abandoned-Sealed Initial Water Level (ft): Not Reported Water Level After Drilling (ft): Not Reported Chloride Content (mg/l): Not Reported Date Tested: Not Reported Not Reported Test Pump Rate (g/m): Not Reported Test Drawdown Rate (ft): Test Chloride Content (mg/l): Not Reported Not Reported Test Water Temp: Test Unit: Not Reported Pump GPM: Not Reported Max Chloride Level: Not Reported Min Chloride Level: Not Reported Not Reported Not Reported Pump Installed: Draft Year: Solid Casing Bot Elevation: Not Reported Hole Bottom Elevation: Not Reported Perf Casing Bot Elevation: Not Reported Pump Capacity (MM gal/day): Not Reported Not Reported Pump Intake Depth (ft): Not Reported Latest WCR1 Report: Latest WCR2 Report: Not Reported Transmissivity: Not Reported

P131 SSE FED USGS USGS40000270030

1/2 - 1 Mile Higher

Organization ID: USGS-HI Organization Name: USGS Hawaii Water Science Center

Monitor Location: 3-2101-02 W270 Type: Well Description: 20060000 Not Reported HUC: Not Reported Drainage Area: **Drainage Area Units:** Not Reported Contrib Drainage Area Unts: Contrib Drainage Area: Not Reported Not Reported Aquifer: Not Reported Formation Type: Not Reported Aquifer Type: Not Reported Construction Date: Not Reported Well Depth: Not Reported Well Depth Units: Not Reported Well Hole Depth: Not Reported Well Hole Depth Units: Not Reported

Map ID Direction Distance

Database EDR ID Number Elevation

Q132 North

FED USGS USGS40000270224

HI130000001308

Not Reported

HI WELLS

1/2 - 1 Mile Higher

> Organization ID: USGS-HI Organization Name: USGS Hawaii Water Science Center

3-2201-09 T26 WAIPAH Monitor Location: Type: Well HUC: 20060000 Description: Not Reported Drainage Area Units: Not Reported Drainage Area: Not Reported Contrib Drainage Area: Not Reported Contrib Drainage Area Unts: Not Reported Aquifer: Not Reported Formation Type: Not Reported 19450101 Aquifer Type: Not Reported Construction Date:

Well Depth: Well Depth Units: 107 ft

Well Hole Depth: Well Hole Depth Units: Not Reported Not Reported

Q133 North 1/2 - 1 Mile Higher

> Well #: 3-2201-009 Well Name: Waipahu Original Name: Not Reported Aquifer Type: Basal Year Drilled: W. M. Mullin 1945 Driller:

> Well Depth (ft): Land Owner: Not Reported 107 Well Construction Type: Not Reported Pump Installer: Not Reported

> > Perf Casing Depth (ft):

Ground Elevation (ft): Casing Diameter (in): 12

Solid Casing Depth (ft): 86 Major Well Use: Abandoned-Sealed

18.5 Water Level After Drilling (ft): Initial Water Level (ft):

Not Reported Chloride Content (mg/l): 203 Not Reported Date Tested:

Test Pump Rate (g/m): Not Reported Test Drawdown Rate (ft): Not Reported Not Reported Test Chloride Content (mg/l): Not Reported Test Water Temp: Not Reported Pump GPM: Not Reported Test Unit: Not Reported Min Chloride Level: Not Reported Max Chloride Level: Not Reported Not Reported Pump Installed: Draft Year: Hole Bottom Elevation: -24 Solid Casing Bot Elevation:

Perf Casing Bot Elevation: Not Reported Pump Capacity (MM gal/day): Not Reported 01-JAN-45 Pump Intake Depth (ft): Not Reported Latest WCR1 Report: Latest WCR2 Report: Transmissivity: Not Reported Not Reported

AREA RADON INFORMATION

Federal EPA Radon Zone for HONOLULU County: 3

Note: Zone 1 indoor average level > 4 pCi/L.

: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.

: Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for Zip Code: 96706

Number of sites tested: 6

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor Living Area - 2nd Floor	-0.150 pCi/L Not Reported	100% Not Reported	0% Not Reported	0% Not Reported
Basement	-0.200 pCi/L	100%	0%	0%

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)

Source: United States Geologic Survey

EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Current USGS 7.5 Minute Topographic Map Source: U.S. Geological Survey

HYDROLOGIC INFORMATION

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.

Source: FEMA

Telephone: 877-336-2627

Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005, 2010 and 2015 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetlands Inventory

Source: Office of Planning Telephone: 808-587-2895

HYDROGEOLOGIC INFORMATION

AQUIFLOW^R Information System

Source: EDR proprietary database of groundwater flow information

EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit

Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)

The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)

Telephone: 800-672-5559

SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Service, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)

This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

STATE RECORDS

Well Index Database

Source: Commission on Water Resource Management

Telephone: 808-587-0214

CWRM maintains a Well Index Database to track specific information pertaining to the construction and installation of production wells in Hawaii.

OTHER STATE DATABASE INFORMATION

RADON

Area Radon Information Source: USGS

Telephone: 703-356-4020

The National Radon Database has been developed by the U.S. Environmental Protection Agency

(USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones Source: EPA

Telephone: 703-356-4020

Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor

radon levels.

OTHER

Airport Landing Facilities: Private and public use landing facilities

Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater

Source: Department of Commerce, National Oceanic and Atmospheric Administration

Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary faultlines, prepared in 1975 by the United State Geological Survey

PHYSICAL SETTING SOURCE RECORDS SEARCHED

STREET AND ADDRESS INFORMATION

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REFERENCES



SOURCES AND REFERENCES

ASTM International, "Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process," ASTM Designation E1527-21

ASTM International, "Standard Practice for Assessment of Vapor Intrusion into Structures on Property Involved in Real Estate Transactions," ASTM Designation E2600-22

Aquifer Identification and Classification for Hawaii: Groundwater Protection Strategy for Oahu. Technical Report No. 191, dated May 1993, prepared by Mink, J.F. and L.S. Lau

City and County of Honolulu Department of Planning and Permitting (DPP) database

The EDR Radius Map Report with GeoCheck™, dated October 13, 2025, prepared by Environmental Data Resources, Inc.

The EDR Aerial Photo Decade Package, dated October 13, 2025, prepared by Environmental Data Resources, Inc.

The EDR-City Directory Image Report, dated October 15, 2025, prepared by Environmental Data Resources, Inc.

The EDR Historical Topo Map Report, dated October 10, 2025, prepared by Environmental Data Resources, Inc.

The EDR Certified Sanborn Map Report, dated October 10, 2025, prepared by Environmental Data Resources, Inc.

Title Report, prepared by Title Guaranty of Hawaii, LLC, dated October 27, 2025

Federal Emergency Management Agency (FEMA), Flood Insurance Rate Map (FIRM) Map No. 15003C0310G, dated January 19, 2011, prepared by FEMA

Underground Storage Tank (UST) Database and Leaking Underground Storage Tank (LUST) Database, dated 2024, prepared by State of Hawaii, Department of Health, Solid and Hazardous Waste Branch

Hazard Evaluation & Emergency Response (HEER) Office Database, dated 2024, prepared by State of Hawaii, Department of Health, HEER Office

Ownership records and Tax Map Key maps, prepared by the Honolulu Real Property Tax Assessment Office

Ewa Quadrangle, 7.5-Minute Topographic Map (2017), by US Geological Survey

Web Soil Survey (2013), by US Department of Agriculture, Natural Resources Conservation Service



Persons Contacted

Mr. Bruce St. Germaine of Drill Pro Company, a lessee at the subject property, October 10, 2025, phone: (808) 306-5095

Previous Environmental Report

Phase I Environmental Site Assessment, Tax Map Key (1) 9-1-17: Parcels 010 and 041, Ewa Beach, Oahu, Hawaii, prepared by Belt Collins Hawaii Ltd., dated March 22, 2007

Phase I Environmental Site Assessment, Old Fort Weaver Road, 91-2002 Fort Weaver Road, Ewa Beach, Hawaii, TMK Nos. (1) 9-1-181: 031 & 037, prepared by Environmental Science International (ESI), dated June 1, 2023 (ESI Project No. 123017)