

DRY LAND APPROVED JURISDICTIONAL DETERMINATION FORM¹
U.S. Army Corps of Engineers

This form should be completed by following the instructions provided in Section IV of the JD Form Instructional Guidebook.

SECTION I: BACKGROUND INFORMATION

A. REPORT COMPLETION DATE FOR APPROVED JURISDICTIONAL DETERMINATION (JD): April 13, 2018

B. DISTRICT OFFICE, FILE NAME, AND NUMBER: Top Value Automotive POH-2016-00228

C. PROJECT LOCATION AND BACKGROUND INFORMATION:

State: Hawaii County/parish/borough: Oahu City: Wahiawa
Center coordinates of site (lat/long in degree decimal format): Lat. 21.49107° Long. -158.03090°
Name of nearest waterbody: Kaukonahua Stream (dammed in this location to become Wahiawa Reservoir/Lake Wilson)
Name of watershed or Hydrologic Unit Code (HUC): 200600000102 Kaukonahua Stream

- Check if map/diagram of review area is available upon request.
 Check if other sites (e.g., offsite mitigation sites, disposal sites, etc...) are associated with this action and are recorded on a different JD form.

D. REVIEW PERFORMED FOR SITE EVALUATION (CHECK ALL THAT APPLY):

- Office (Desk) Determination. Date:
 Field Determination. Date(s): April 13, 2018

SECTION II: SUMMARY OF FINDINGS

A. RHA SECTION 10 DETERMINATION OF JURISDICTION.

There are **no** "navigable waters of the U.S." within Rivers and Harbors Act (RHA) jurisdiction (as defined by 33 CFR part 329) in the review area.

B. CWA SECTION 404 DETERMINATION OF JURISDICTION.

There are **no** "waters of the U.S." within Clean Water Act (CWA) jurisdiction (as defined by 33 CFR part 328) in the review area.

SECTION III: DATA SOURCES.

A. SUPPORTING DATA. Data reviewed for JD (check all that apply - checked items shall be included in case file and, where checked and requested, appropriately reference sources below):

- Maps, plans, plots or plat submitted by or on behalf of the applicant/consultant:
 Data sheets prepared/submitted by or on behalf of the applicant/consultant.
 Office concurs with data sheets/delineation report.
 Office does not concur with data sheets/delineation report.
 Data sheets prepared by the Corps:
 U.S. Geological Survey Hydrologic Atlas:
 USGS NHD data.
 USGS 8 and 12 digit HUC maps.
 U.S. Geological Survey map(s). Cite scale & quad name: Saunders Reef
 USDA Natural Resources Conservation Service Soil Survey. Citation: WebSoilSurvey: Accessed 4-16-2018
 National wetlands inventory map(s). Cite name: USFWS Online Mapper: Accessed 4-16-2018
 State/Local wetland inventory map(s):
 FEMA/FIRM maps:
 100-year Floodplain Elevation is: (National Geodectic Vertical Datum of 1929)
 Photographs: Aerial (Name & Date): Digital Globe: Jan 11, 2011, May 2, 2017, Jan 16, 2018
 or Other (Name & Date):
 Previous determination(s). File no. and date of response letter:
 Applicable/supporting case law:
 Applicable/supporting scientific literature:
 Other information (please specify):

B. REQUIRED ADDITIONAL COMMENTS TO SUPPORT JD. EXPLAIN RATIONALE FOR DETERMINATION THAT THE REVIEW AREA ONLY INCLUDES DRY LAND: This construction site is in all uplands. All construction work occurred on the top of a small peninsula jutting into Wahiawa Reservoir (Lake Wilson). No disturbance to the slopes of the peninsula or Wahiawa Reservoir were observed. The fill of the constructed pad/storage area on the top of the peninsula is stabilized by a 6 foot, non-grouted, sloping rock wall.

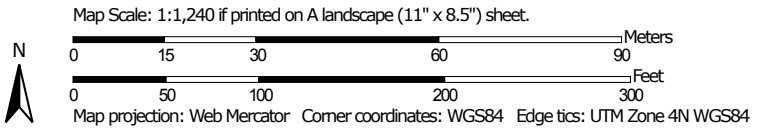
Site is located behind (north) of the Top Value Automotive at 152 Wiliikina Drive, Wahiawa, Island of Oahu, HI.

¹ This form is for use only in recording approved JDs involving dry land. It extracts the relevant elements of the longer approved JD form in use since 2007 for aquatic areas and adds no new fields.

Soil Map—Island of Oahu, Hawaii
(POH-2016-00228 NRCS Soils)




Soil Map may not be valid at this scale.





MAP LEGEND

Area of Interest (AOI)

 Area of Interest (AOI)

Soils

 Soil Map Unit Polygons

 Soil Map Unit Lines

 Soil Map Unit Points

Special Point Features



Blowout



Borrow Pit



Clay Spot



Closed Depression



Gravel Pit



Gravelly Spot



Landfill



Lava Flow



Marsh or swamp



Mine or Quarry



Miscellaneous Water



Perennial Water



Rock Outcrop



Saline Spot



Sandy Spot



Severely Eroded Spot



Sinkhole



Slide or Slip



Sodic Spot



Spoil Area



Stony Spot



Very Stony Spot



Wet Spot



Other



Special Line Features

Water Features



Streams and Canals

Transportation



Rails



Interstate Highways



US Routes



Major Roads



Local Roads

Background



Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:24,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL:
Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Island of Oahu, Hawaii
Survey Area Data: Version 12, Oct 3, 2017

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Dec 31, 2009—Aug 14, 2016

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
W	Water > 40 acres	1.3	52.4%
WaA	Wahiawa silty clay, 0 to 3 percent slopes	1.2	47.6%
Totals for Area of Interest		2.5	100.0%

As observed in map on page 1, the area depicted by Map Unit Symbol "W" in the table above is not accurate. The 1.3 acres of "W" is primarily uplands. A site visit confirmed this area is an upland peninsula with very steep slopes extending from the water up to the cleared/filled storage area. The storage area is approximately 20-30 feet above the water line.

The area depicted as "W" therefore, is more consistent with "WaA"; all shoreline in this portion of Lake Wilson is very steep (much greater than the 0-3% listed for WaA).

Island of Oahu, Hawaii

WaA—Wahiawa silty clay, 0 to 3 percent slopes

Map Unit Setting

National map unit symbol: hqj7
Elevation: 500 to 1,200 feet
Mean annual precipitation: 40 to 60 inches
Mean annual air temperature: 72 to 73 degrees F
Frost-free period: 365 days
Farmland classification: Prime farmland if irrigated

Map Unit Composition

Wahiawa and similar soils: 100 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Wahiawa

Setting

Landform position (two-dimensional): Summit
Landform position (three-dimensional): Interfluve, rise
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Basalt

Typical profile

H1 - 0 to 12 inches: silty clay
H2 - 12 to 60 inches: silty clay

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: More than 80 inches
Natural drainage class: Well drained
Runoff class: Low
Capacity of the most limiting layer to transmit water (Ksat):
Moderately high to high (0.20 to 2.00 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Available water storage in profile: Moderate (about 7.2 inches)

Interpretive groups

Land capability classification (irrigated): 1
Land capability classification (nonirrigated): 2c
Hydrologic Soil Group: B

Hydric soil rating: No

Data Source Information

Soil Survey Area: Island of Oahu, Hawaii
Survey Area Data: Version 12, Oct 3, 2017

Field verification show that the soils in this area were well-drained. There were no springs or other sources of water to support wetlands on this narrow peninsula. The graded area was approximately 20-30 feet above the water level of the lake. The steep slopes were densely vegetated down to the waterline with invasive guinea grass (*Megathyrsus maximus*).

M. maximus is considered a FAC species and is known to be tolerant of a wide variety of habitat types, including dry sites such as the steep slopes of this peninsula.



April 16, 2018

Wetlands

- | | | | | | |
|--|--------------------------------|--|-----------------------------------|--|-------|
| | Estuarine and Marine Deepwater | | Freshwater Emergent Wetland | | Lake |
| | Estuarine and Marine Wetland | | Freshwater Forested/Shrub Wetland | | Other |
| | Freshwater Pond | | Riverine | | |

This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.



Figure 1. Jan 16, 2018.

Site is located behind (north) of Top Value Automotive at 152 Wilikina Drive, Wahiwa, Island of Oahu, HI.



Figure 2. May 2, 2017.



Figure 3. Jan 11, 2011.