Hasawa Reservoir
Capacity: 2,997.8 MG

Upper Helemano Reservoir
Capacity: 228.1 MG

Ranch 4 Res
Capacity: 16.3 MG

Kemoo 8 Res
Capacity: 9.5 MG

Helemano 10 Res
Capacity: 11.4 MG

Ranch 10B Res
Capacity: 11.4 MG

Helemano 2A Res
Capacity: 9.5 MG

Kemoo 2A Res
Capacity: 7.5 MG

Kemoo 5 Res
Capacity: 20.5 MG

Wahawa Reservoir
Capacity: 2,997.8 MG

Upper Helemano Reservoir
Capacity: 228.1 MG

Hawaii State Department of Agriculture

Island of Oahu, Hawaii (March, 2016)

Alignments and System Components

System Components
- Canal, Active
- Canal, Inactive
- Canal, Unverified
- Ditch, Active
- Ditch, Inactive
- Ditch, Unverified
- Flume, Active
- Flume, Inactive
- Flume, Unverified
- Penstock, Active
- Penstock, Inactive
- Penstock, Unverified
- Pipeline, Active
- Pipeline, Inactive
- Pipeline, Unverified
- Siphon, Active
- Siphon, Inactive
- Siphon, Unverified
- Pump, Active
- Pump, Inactive
- Spring, Active
- Spring, Inactive
- Stream Diversion, Active
- Stream Diversion, Inactive
- Well, Active
- Well, Inactive
- Unverified Intake
- Service Area
- Neighboring Alignments
- Isohyets

Legend
Wahiawa Reservoir
Capacity: 2,997.8 MG

Upper Helemano Reservoir
Capacity: 228.1 MG

Ranch 4 Res
Capacity: 16.3 MG

Kemoo 8 Res
Capacity: 9.5 MG

Helemano 10 Res
Capacity: 11.4 MG

Ranch 10B Res
Capacity: 11.4 MG

Helemano 2A Res
Capacity: 8.8 MG

Kemoo 2A Res
Capacity: 7.5 MG

Kemoo 5 Res
Capacity: 20.5 MG

Helemano 6 Res
Capacity: 26.1 MG

Helemano 16 Res
Capacity: 21.2 MG

Kemoo 5 Res
Capacity: 20.5 MG

Kaheaka Res
Capacity: 8.8 MG

Ranch 10A Res
Capacity: 7.2 MG

Ranch 10B Res
Capacity: 11.4 MG

Ranch 1 Res
Capacity: 3.9 MG

Kemoo 2A Res
Capacity: 9.5 MG

Upper Helemano Ditch
50"
65"
80"
100"
120"
140"
160"
180"
200"
220"

Legend
Important Agricultural Lands
System Alignments
- Active
- Inactive
- Unverified
- Reservoir, Active
- Reservoir, Inactive
- Reservoir, Unverified

General Information
- Service Area
- Isohyets

Hawaii State Department of Agriculture

Oahu Ditch (Oahu, Wahiawa, Helemano, Tanaka and Ito Ditches)
Important Agricultural Lands

Island of Oahu, Hawaii (March, 2016)
Opaeula 1 Reservoir
Capacity: 104.3 MG

Opaeula 15 Res
Capacity: 27.7 MG

Opaeula 2 Res
Capacity: 24.4 MG

Kawailoa 3 Res
Capacity: 10.8 MG

Kawailoa 14 Res
Capacity: 20.5 MG

Kawailoa 8 Res
Capacity: 12.7 MG

Kawailoa 18 Res
Capacity: 14.3 MG

Kawailoa 7 Res
Capacity: 20.5 MG

Kawailoa 5 Res
Capacity: 9.8 MG

Kawailoa 9
Capacity: 8.8 MG

Kawailoa 15
Capacity: 7.5 MG

Kawailoa 11
Capacity: 6.5 MG

Kawailoa 10
Capacity: 12.0 MG

Kawailoa 12
Capacity: 9.0 MG
Opaeula 1 Reservoir
Capacity: 104.3 MG

Opaeula 15 Res
Capacity: 27.7 MG

Opaeula 2 Res
Capacity: 24.4 MG

Kawailoa 3 Res
Capacity: 10.8 MG

Kawailoa 14 Res
Capacity: 20.5 MG

Opaeula 8 Res
Capacity: 12.7 MG

Kawailoa 18 Res
Capacity: 14.3 MG

Kawailoa 7 Res
Capacity: 20.5 MG

Opaeula 5 Res
Capacity: 9.8 MG

Isogenous

Hawaii State Department of Agriculture
Island of Oahu, Hawaii (March, 2016)

Legend
Current Land Use
- Cultivated Field Crops
- Cultivated Other Crops
- Grazing
- Unverified
- Inactive
- Active
- Reservoir, Active
- Reservoir, Inactive
- Reservoir, Unverified

System Alignments
- Active
- Inactive
- Unverified

General Information
- Service Area
- Neighboring Alignments
- Isohyets

Legend
Current Land Use
- Cultivated Field Crops
- Cultivated Other Crops
- Grazing
- Unverified
- Inactive
- Active
- Reservoir, Active
- Reservoir, Inactive
- Reservoir, Unverified

General Information
- Service Area
- Neighboring Alignments
- Isohyets

2014-2015 Land Use

Map 53
Legend

Current Land Use
- Cultivated Field Crops
- Cultivated Other Crops
- Grazing

System Alignments
- Active
- Inactive
- Unverified
- Reservoir, Active
- Reservoir, Inactive
- Reservoir, Unverified

General Information
- Service Area
- Neighboring Alignments
- Isohyets

Hawaii State Department of Agriculture
Kahuku Irrigation System
2014-2015 Land Use

NAD 83, UTM Zone 4N
Hawaii State Department of Agriculture
Island of Oahu, Hawaii (March, 2016)

Map 66

Legend
ALISH
- Prime Land
- Unique Land
- Other Land

System Alignments
- Active
- Inactive
- Unverified
- Reservoir, Active
- Reservoir, Inactive
- Reservoir, Unverified

General Information
- Service Area Without ALISH Designation
- Neighboring Alignments
- Isohyets

Galbraith Lands
Irrigation System
ALISH 1977
Within Service Area

Island of Oahu, Hawaii (March, 2016)
Kealwa Reservoir
Capacity: 15.6 MG

Meyer Reservoir
Capacity: Unverified

Kealwa Reservoir
Capacity: 15.6 MG

Legend
System Components
- Canal, Active
- Canal, Inactive
- Canal, Unverified
- Ditch, Active
- Ditch, Inactive
- Ditch, Unverified
- Flume, Active
- Flume, Inactive
- Flume, Unverified
- Penstock, Active
- Penstock, Inactive
- Penstock, Unverified
- Pipeline, Active
- Pipeline, Inactive
- Pipeline, Unverified
- Siphon, Active
- Siphon, Inactive
- Siphon, Unverified
- Tunnel, Active
- Tunnel, Inactive
- Tunnel, Unverified
- Utilized Stream

Legend
System Components
- Reservoir, Active
- Reservoir, Inactive
- Reservoir, Unverified
- Regulated Dam
- Removed Dam
- Pump, Active
- Spring, Active
- Spring, Inactive
- Stream Diversion, Active
- Stream Diversion, Inactive
- Well, Active
- Well, Inactive
- Unverified Intake

Legend
System Components
- Used Stream
- Pump, Active
- Spring, Active
- Spring, Inactive
- Stream Diversion, Active
- Stream Diversion, Inactive
- Well, Active
- Well, Inactive
- Unverified Intake

Hawaii State Department of Agriculture
Kau Agribusiness Irrigation System
Alignments and System Components
Map 69
Island of Hawaii, Hawaii (March, 2016)
Keaawa Reservoir
Capacity: 15.6 MG

Meyer Reservoir
Capacity: Unverified

Hawaii State Department of Agriculture
Island of Hawaii, Hawaii (March, 2016)

Map 72

Kau Agribusiness
Irrigation System

Legend

Land Capability Class
Non-Irrigated Conditions

System Alignments
Active
Inactive
Unverified
Reservoir, Active
Reservoir, Inactive
Reservoir, Unverified

General Information
Service Area
Without Soil Designation
Neighboring Alignments
Isohyets

NAD 83, UTM Zone 4N

Island of Hawaii
Punawai Reservoir
Capacity: 9.8 MG

Puuokumau Reservoir
Capacity: Unverified

Kehena Reservoir
Capacity: 18.6 MG

NAD 83, UTM Zone 4N

Hawaii State Department of Agriculture
Island of Hawaii, Hawaii (March, 2016)

Map 79

Kehena Ditch
Irrigation System

Alignments and
System Components

Hawaii State Department of Agriculture
Island of Hawaii, Hawaii (March, 2016)
Puukumau Reservoir
Capacity: Unverified

Kehena Reservoir
Capacity: 18.6 MG

Punawai Reservoir
Capacity: 9.8 MG

Hawaii State Department of Agriculture
Island of Hawai‘i, Hawaii (March, 2016)

Legend
LCC With Irrigation
I
II
III
IV
VI
LCC Unchanged
V
VII
VIII
System Alignments
Active
Inactive
Unverified
Reservoir, Active
Reservoir, Inactive
Reservoir, Unverified
General Information
Service Area
Without Soil Designation
Neighboring Alignments
Isohyets

Kehena Ditch
Irrigation System
Land Capability Class
Irrigated Conditions

Map 83