

GEOLOGICAL SURVEY CIRCULAR 395



INDEX OF SURFACE-WATER RECORDS
TO SEPTEMBER 30, 1955

HAWAII

UNITED STATES DEPARTMENT OF THE INTERIOR
Fred A. Seaton, *Secretary*

GEOLOGICAL SURVEY
Thomas B. Nolan, *Director*

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By E. G. Bailey

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EXPLANATION

This index lists the streamflow and reservoir stations in Hawaii for which records have been or are to be published in reports of the Geological Survey for periods prior to September 30, 1955.

The stations are listed in the downstream order. Starting at the headwater of each stream all stations are listed in a downstream direction. Tributary streams are indicated by indention and are inserted between main-stem stations in the order in which they enter the main stream. To indicate the rank of any tributary on which a record is available and the stream to which it is immediately tributary, each indention in the listing of stations represents one rank. A stream name only is inserted where necessary for the purpose of showing the proper rank or order of tributaries.

Station names are given in their most recently published forms. Parentheses around part of a station name indicate that the enclosed word or words were used in an earlier published name of the station or in a name under which records were published by some agency other than the Geological Survey.

The drainage areas, in square miles, are the latest figures published or otherwise available at this time. Drainage areas that were obviously inconsistent with other drainage areas on the same stream have been omitted.

Under "period of record" breaks of less than a 12-month period are not shown. A dash not followed immediately by a closing date shows that the station was continued in operation beyond September 30, 1955. The years given are calendar years.

Records both of gage height and of discharge are listed for streamflow stations, and records of gage height and of contents (or of change in contents) are listed for stations on reservoirs. Records of gage heights only and records consisting only of monthly figures either of streamflow or reservoir contents are designated by symbols and footnotes. For early years when daily discharges were not generally published by the Geological Survey, published daily gage heights and a published rating table were considered to be equivalent to daily discharges.

An alphabetical index of streams, canals, and reservoirs is given on pages 10 to 12.

<u>Gaging station</u>	<u>Drainage area (sq mi)</u>	<u>Period of record</u>
<u>Island of Kauai:</u>		
Poomao River (head of Waimea River):		
Kawaikoi Stream near Waimea.....	4.1	1909-16; 1919-
Kauaikinana Stream near Waimea.....	-	1919-25.
Waiakoali Stream near Waimea.....	-	1909-12; 1919-25.
Mohihi Stream at altitude 3,500 ft, near Waimea.....	1.6	1920-26; 1936-
Kokee ditch near Waimea.....	-	1926-
Mohihi Stream near Waimea.....	-	1909-12.
Waimea River at altitude 890 ft, near Waimea.....	20.0	1916-18; 1925-
Koale Stream at altitude 3,700 feet, near Waimea.....	-	1919-32; 1954-
Koale Stream near Waimea.....	-	1916-18.
Waialae River at altitude 3,700 feet, near Waimea.....	3.3	1920-32; 1952-
Waialae River near Waimea.....	-	1910-16.
Waialae River at mouth, near Waimea.....	-	1916-21.
Kekaha ditch at camp 1, near Waimea.....	-	1910-
Kekaha ditch at flume No. 4, near Waimea.....	-	1916-17.
Kekaha ditch at siphon, near Waimea.....	-	1910-12.
Kekaha ditch at flume No. 3, near Waimea.....	-	1910-12.
Kekaha ditch at tunnel No. 12, near Waimea.....	-	1910-14.
Kekaha ditch below tunnel No. 12, near Waimea.....	-	1916-34.
Waimea River below Kekaha ditch intake, near Waimea.....	45.0	1921-
Waimea ditch near Waimea.....	-	1911-13; 1916-21.
Kamenehune ditch near Waimea.....	-	1911-19.
Waimea River near Waimea.....	57.8	1910-19; 1943-
Olokele River (head of Makaweli River):		
Olokele ditch at tunnel No. 12, near Makaweli.....	-	1904-17.
Olokele ditch at weir, near Waimea.....	-	1912-17.
Olokele River near Makaweli.....	-	1915-17.
Halekua Stream near Waimea.....	-	1912-13.
Makaweli River near Waimea.....	25.0	1911-17; 1943-
Poowaiomahaihai ditch near Waimea.....	-	1911-13.
Waimea River makai at Waimea.....	-	1943-
Hanapepe River:		
Hiloa ditch at Hanapepe Falls, near Eleele.....	-	1911-15.
Hanapepe River above Hanapepe Falls, near Eleele.....	-	1911-12.
East Branch Hanapepe River below Hanapepe Falls, near Eleele.....	-	1911-12.
Hanapepe ditch at Hanapepe Falls, near Eleele.....	-	1911-15.
Hanapepe ditch below intake, near Eleele.....	-	1930-38.
Hanapepe ditch at Koula, near Eleele.....	-	1910-21; 1927-49.
Hanapepe ditch below makai siphon, near Eleele.....	-	1929-32.
Hanapepe ditch at weir, near Makaweli.....	-	1910-17.
Hanapepe River at Koula, near Eleele.....	-	1910-16.
Manuahi Stream at Koula, near Eleele.....	-	1917-20.
Hanapepe River below Manuahi Stream, near Eleele.....	18.8	1917-21; 1926-
"G" ditch at makai siphon, near Eleele.....	-	1929-32.
Hanapepe River at makai siphon, near Eleele.....	-	1929-32.
Hanapepe River at Hanapepe.....	26.9	1949-
Huleia River:		
Kula Stream near Koloa.....	-	1939-41.
Kamooloa Stream near Koloa.....	-	1939-41.
Huleia River near Lihue.....	-	1912-15.
Hanamaulu River at Kapaia, near Lihue.....	-	1911-14.
South Fork Wailua River (head of Wailua River):		
Lihue ditch near Lihue.....	-	1910-19.
Hanamaulu ditch near Lihue.....	-	1910-19.
South Fork Wailua River at siphon, near Lihue.....	-	1910-11.
South Fork Wailua River near Lihue.....	22.4	1911-
North Fork Wailua River:		
North Wailua ditch near Lihue.....	-	1932-
Stable storm ditch near Lihue.....	-	1936-
North Fork Wailua River at altitude 650 feet, near Lihue.....	6.6	1914-
Kanaha ditch near Lihue.....	-	1910-55.
Uhau Iole Stream at elevation 750 feet, near Lihue....	-	1912.
Keahua Stream at elevation 750 feet, near Lihue....	-	1912.
Kawi Stream at elevation 750 feet, near Lihue.....	-	1912.
East Branch of North Fork Wailua River near Lihue....	6.2	1912-
Wailua ditch near Kapaa.....	-	1936-
North Fork Wailua River near Lihue.....	-	1910-14.
North Fork Wailua River near Kapaa.....	18.7	1952-
Konohiki Stream at Makakuaalele (mauka) weir, near Kapaa..	-	1911-13.
Konohiki Stream at Makakuaalele (makai) weir, near Kapaa..	-	1912.
North Fork Kaehulua Stream at Kainahola weir, near Kapaa.	-	1911-13.

<u>Gaging station</u>	<u>Drainage area (sq mi)</u>	<u>Period of record</u>
Island of Kauai--Continued		
North Fork Kaehulua Stream--Continued		
South Fork Kaehulua Stream at Wainamunamu weir, near Kapaa.....	-	1911-13.
Kaehulua Stream at Kuhinoa weir, near Kapaa.....	-	1911-13.
Kapaa River:		
Makaleha Stream:		
Makaleha ditch near Kealia.....	-	1936-
Kapaa River near Kealia.....	-	1910-20.
Kapahi ditch near Kealia.....	-	1909-
Kapaa River at Kapahi ditch intake, near Kapaa.....	3.3	1936-
Akulikuli Spring at weir, near Kapaa.....	-	1911-13.
Tunnel ditch at Kapahi, near Kapaa.....	-	1909-11.
Pipe ditch at Kapahi, near Kapaa.....	-	1909-11.
Kapaa ditch at Kapahi, near Kapaa.....	-	1909-11.
Kealia Stream:		
Kaneha ditch at weir, near Kealia.....	-	1909-13.
Anahola River at elevation 1,140 feet, near Kealia.....	-	1912.
Anahola ditch wasteway near Kealia.....	-	1936-
Anahola ditch above Kaneha Reservoir, near Kealia.....	-	1914-
Anahola River near Kealia.....	5.5	1910; 1912-
Anahola River at Kiokala dam, near Kealia.....	-	1910-12.
Anahola ditch at Kiokala, near Kealia.....	-	1909-14.
Lower Anahola ditch near Kealia.....	-	1936-
Anahola ditch at makai weir, near Kealia.....	-	1909-11.
Kilauea River:		
Halaulani Stream near Kilauea.....	-	1922-25.
Pohakuhono Stream:		
Kalihiwai ditch near Kilauea.....	-	1934-
Puu Ka Ele Stream:		
Ka Loko ditch near Kilauea.....	-	1932-
Puu Ka Ele ditch near Kilauea.....	-	1932-
Kalihiwai River near Hanalei.....	-	1914-23.
Kalihiwai River near Kilauea.....	-	1912-14.
Hanalei River:		
Hanalei tunnel outlet near Lihue.....	-	1932-
Hanalei River at altitude 625 feet, near Hanalei.....	7.4	1914-
China ditch near Hanalei.....	-	1911-19.
Hanalei River near Hanalei.....	-	1911-19.
Kuna ditch near Hanalei.....	-	1912-13; 1916-19.
Waioli Stream near Hanalei.....	-	1914-32.
Lumahai River near Hanalei.....	-	1914-17; 1920-33.
Lumahai River near Wainiha.....	-	1912.
Wainiha River near Hanalei.....	10.2	1952-
Wainiha River above intake of Kauai Electric Co.'s power ditch near Hanalei.....	-	1914-17.
Wainiha Canal at intake, near Wainiha.....	-	1910-16.
Wainiha Canal at tunnel No. 18, near Wainiha.....	-	1911.
Wainiha Canal at tailrace, near Wainiha.....	-	1911.
East Channel Wainiha River near Wainiha.....	-	1912-16.
West Channel Wainiha River near Wainiha.....	-	1911-16.
Hanakapiai Stream near Hanalei.....	2.6	1931-52.
Hanakoa Stream near Hanalei.....	1.1	1931-52.
Kalalau Stream near Hanalei.....	1.6	1931-55.
Island of Oahu:		
Left Branch of North Fork Kaukonahua Stream near Wahiawa.....	1.8	1913-53.
Right Branch of North Fork Kaukonahua Stream near Wahiawa.....	1.2	1913-53.
North Fork Kaukonahua Stream above Kaukonahua ditch, near Wahiawa.....	-	1911.
Kaukonahua ditch near Wahiawa.....	-	1947-
North Fork Kaukonahua Stream near Wahiawa.....	4.9	1946-
South Fork Kaukonahua Stream above United States Army Reservoir, near Wahiawa.....	-	1911; 1913-17.
South Fork Kaukonahua Stream near Wahiawa.....	1.9	1946-
United States Army ditch at Reservoir, near Wahiawa..	-	1914-15.
South Fork Kaukonahua Stream below United States Army Reservoir, near Wahiawa.....	-	1914-17.
South Fork Kaukonahua Stream above Wahiawa Reservoir, near Wahiawa.....	5.2	1946-
Wahiawa Reservoir ditch near Wahiawa.....	-	1910-11.
Poamoho Stream near Wahiawa.....	1.6	1947-
Puhawai Stream near Waianae.....	-	1930-44.
Waikale Stream at Waipahu.....	45.4	1951-
Pearl Harbor Springs at Waiawa, near Pearl City.....	-	1931-
Morikone pond outlet at Pearl City.....	-	1951-

<u>Gaging station</u>	<u>Drainage area (sq mi)</u>	<u>Period of record</u>
Island of Oahu--Continued		
Waiawa Stream near Pearl City.....	25.4	1952-
Pearl Harbor Springs at Puukapu, near Pearl City.....	-	1931-50.
Pearl Harbor Springs at Loko Kukona, near Pearl City.....	-	1931-45; 1952-
Hawaiian Electric Company tunnel at Waiiau, near Pearl City.....	-	1939-47; 1952-
Hawaiian Electric Company wasteway at Waiiau, near Pearl City.....	-	1953-
Pearl Harbor Springs at Kaluaopu, near Pearl City.....	-	1931-50; 1952-
Pearl Harbor Springs at Waiiau, near Pearl City.....	-	1931-47.
Waimalu Stream near Aiea.....	6.1	1952-
Pearl Harbor Springs at Kalauao, near Aiea.....	-	1931-
Kalauao Stream at Aiea.....	-	1953-
North Halawa Stream near Aiea.....	-	1929-33; 1953-
Halawa Stream near Aiea.....	-	1953-
Moanalua Stream near Honolulu.....	2.8	1926-
Kalihi Stream near Honolulu.....	2.7	1913-
Nuuanu Stream:		
Lulumaha Stream:		
Lulumaha ditch at upper Nuuanu Reservoir, near Honolulu.....	-	1911-13.
Nuuanu Stream at Luakaha weir in upper Nuuanu Valley, near Honolulu.....	-	1910-13.
Nuuanu Stream below Reservoir No. 2 wasteway, near Honolulu.....	3.4	1913-
Maole Stream:		
Maole ditch, mauka station, near Honolulu.....	-	1917-20.
Maole ditch, makai station, near Honolulu.....	-	1917-23.
Nuuanu Stream at Kuakini Street, near Honolulu.....	-	1911-12.
Pauoa Stream:		
Kahuawai Spring near Honolulu.....	-	1912-14.
Pauoa Stream at upper Pauoa Valley, near Honolulu.....	-	1911-13.
East Branch Manoa Stream:		
East Manoa ditch near Honolulu.....	-	1915-16; 1918-21; 1925-39.
East Branch Manoa Stream near Honolulu.....	1.0	1913-21; 1925-
West Branch Manoa Stream near Honolulu.....	1.1	1913-21; 1925-
Manoa Stream at upper Manoa Valley, near Honolulu.....	-	1910-13.
Manoa Stream at College of Hawaii, near Honolulu.....	-	1909-18.
Manoa Stream at Waiialae Road, near Honolulu.....	-	1910-11; 1912.
Palolo Stream:		
Pukele Stream near Honolulu.....	1.2	1912-13; 1926-
Waiomao Stream at upper Palolo Valley, near Honolulu.....	-	1911-13.
Waiomao Stream above Pukele Stream, near Honolulu....	1.0	1911-12; 1926-
Palolo Stream near Honolulu.....	3.0	1950-
Pump ditch near Waimanalo.....	-	1912.
Waimanalo ditch below main reservoir, near Waimanalo.....	-	1912-13.
Maunawili Stream:		
Maunawili ditch near Waimanalo.....	-	1954-
Makawao Stream:		
Main Spring near Kailua.....	-	1914-16.
Makawao Spring near Kailua.....	-	1914-16.
Makawao ditch near Kailua.....	-	1912-16.
Makawao Stream in Kailua Valley, near Waimanalo.....	-	1912-16.
Kaimi Stream in Kailua Valley, near Kailua.....	-	1912-16.
Kamakalepo Stream in Kailua Valley, near Kailua.....	-	1912-16.
Pohakea Stream in Kailua Valley, near Kailua.....	-	1912-14.
Kailua Stream above Wong Leong's ditch near Kailua.....	-	1922-23.
Wong Leong's ditch near Kailua.....	-	1912-16.
Kailua Stream near Kailua.....	-	1912-16.
North Branch Kahanaiki Stream in Kailua Valley, near Kailua.....	-	1913-14.
South Branch Kahanaiki Stream in Kaulua Valley, near Kailua.....	-	1913-14.
Kahanaiki Stream near Kailua.....	-	1914-16.
Kahanaiki Stream in Kahana Valley, near Kailua.....	-	1912.
Kawa Stream near Kaneohe.....	-	1914-16.
Kaneohe Stream near Kaneohe.....	-	1914-16.
Hooieinalwa Stream near Kaneohe.....	-	1914-16.
Piho Stream near Kaneohe.....	-	1914-16.
Kuou ditch near Kaneohe.....	-	1914-16.
Kuou Stream near Kaneohe.....	-	1914-16.
Luluku Stream:		
North Luluku ditch near Kaneohe.....	-	1914-16.

<u>Gaging station</u>	<u>Drainage area (sq mi)</u>	<u>Period of record</u>
<u>Island of Oahu--Continued</u>		
<u>Kaneohe Stream--Continued</u>		
Luluku Stream near Kaneohe.....	-	1914-16.
Young Mau ditch near Kaneohe.....	-	1914-16.
Ahlo ditch near Kaneohe.....	-	1914-16.
Haiku Stream near Heeia (head of Heeia Stream).....	1.0	1914-19; 1939-
Reservoir ditch near Heeia.....	-	1914-16.
Waipio ditch below intake, near Heeia.....	-	1914-16.
Iolekaa Stream mauka near Heeia.....	0.3	1940-
Iolekaa Stream near Heeia.....	-	1914-16.
Wing Wo Tai ditch near Heeia.....	-	1914-16.
Hop Tuck ditch near Heeia.....	-	1914-16.
Lee ditch near Heeia.....	-	1914-16.
Kahaluu Stream near Heeia.....	0.4	1935-
Waihee Stream near Heeia.....	1.1	1935-
Waiahole tunnel at Waianu, near Waiahole.....	-	1950-
Waiahole tunnel wasteway at intake 31, near Waiahole...	-	1951-
Waiahole tunnel at north portal, near Waiahole.....	-	1951-
Halona Stream near Waikane.....	-	1911.
Waihi Stream near Waikane.....	-	1911.
Waiahole Stream below powerhouse, near Waiahole.....	-	1915.
Halona Stream at elevation 250 feet, near Waiahole.....	-	1955-
Waiahole Stream near Waiahole.....	-	1911-16.
Waianu Stream near Waikane.....	-	1911.
Waiahole Stream at Waiahole, near Waikane.....	-	1911-12.
Waikane Stream at lower Waikane Valley, near Waikane....	-	1911-12.
Kahana Stream near Kahana.....	-	1914-17.
East Branch Kahana Stream near Kahana.....	-	1914-17.
Punaluu Stream near Hauula.....	-	1906-7.
Punaluu Stream at elevation 539 feet, near Punaluu.....	-	1915-18.
Waiholi Stream near Punaluu.....	-	1915-17.
Punaluu Stream at elevation 250 feet, near Punaluu.....	-	1914-18.
Punaluu ditch near Punaluu.....	-	1953-
Punaluu Stream near Punaluu.....	-	1953-
Kaluanui Stream near Hauula.....	-	1906-7; 1915-17.
Kaipapau Stream near Hauula.....	-	1906-7.
Koloa Stream near Laie.....	-	1914-18.
Waiialele Stream near Laie.....	-	1914-18.
East Branch Kahawainui Stream near Laie.....	-	1914-18.
<u>Malaekahana Stream:</u>		
East Branch Malaekahana Stream near Kahuku.....	-	1914-18.
Middle Branch Malaekahana Stream near Kahuku.....	-	1914-18.
<u>Island of Molokai:</u>		
Halawa Stream near Halawa.....	4.5	1917-32; 1937-
Papalaua Stream near Pukoo.....	-	1919-29.
<u>Wailau Stream:</u>		
Waiakeakua Stream near Wailau.....	1.4	1919-29; 1937-
Pulena Stream near Wailau.....	4.4	1919-28; 1937-
Pelekunu Stream near Pelekunu.....	2.4	1919-29; 1937-
Lanipuni Stream near Pelekunu.....	0.8	1919-29; 1937-
Waikolu Stream at elevation 650 feet, near Kalaupapa....	-	1920-23.
Waikolu Stream at pipeline crossing, near Kalaupapa.....	-	1919-30.
Waikolu Stream below pipeline crossing, near Kalaupapa...	4.0	1919-32; 1937-
Waihanau Stream near Kalaupapa.....	-	1930-32.
Keolewa Stream near Kalae.....	-	1940-44.
Waiialala Springs near Kalae.....	-	1940-
<u>Manawainui Gulch:</u>		
<u>Waikalae Gulch:</u>		
<u>Waiianui Gulch:</u>		
Makaelele Stream near Kalae.....	-	1940-45.
Kapuna Stream near Kalae.....	-	1940-49.
Kaunakakai Stream at Kaunakakai.....	6.48	1949-
<u>Kawela Stream:</u>		
Right Branch of East Fork Kawela Stream near Kamalo....	0.2	1946-
Punaula Stream near Pukoo.....	0.4	1947-
<u>Island of Maui:</u>		
Oheo Stream at elevation 1,550 feet, near Kipahulu.....	-	1927-29.
Oheo Stream below diversion dam, near Kipahulu.....	5.8	1931-
Right Branch Kahalawe Stream near Kipahulu.....	0.1	1927-
Hana flume near Hana.....	-	1940-45.
Kaeleku flume near Kaeleku.....	-	1940-45.
<u>Makapipi Stream:</u>		
West Makapipi Spring near Nahiku.....	-	1932-45.
Makapipi ditch near Nahiku.....	-	1948-

<u>Gaging station</u>	<u>Drainage area (sq mi)</u>	<u>Period of record</u>
Island of Maui--Continued		
Makapipi Stream near Nahiku.....	-	1932-45.
Hanawi Stream near Nahiku.....	0.8	1914-15; 1921-
Hanawi Stream below Government Road, near Nahiku.....	-	1932-47.
Kapaula Stream near Nahiku.....	-	1921-
Kapaula Stream below Government Road, near Nahiku.....	-	1932-47.
Koolau ditch at Nahiku weir, near Nahiku.....	-	1919-
Waiaaka Stream near Nahiku.....	-	1932-47.
Paakea Stream near Nahiku.....	-	1932-47.
Waiohue Stream near Nahiku.....	1.5	1921-
West Kopiliula Stream near Keanae.....	3.9	1914-17; 1921-
East Wailuaiki Stream near Keanae.....	3.7	1913-17; 1922-
West Wailuaiki Stream near Keanae.....	3.6	1914-17; 1921-
West Wailuanui Stream near Keanae.....	0.7	1913-17; 1922-
East Wailuanui Stream near Keanae.....	0.6	1914-17; 1921-
Wailuanui Stream near Keanae.....	-	1932-36; 1938-47.
Palauhulu Stream:		
Taro patch feeder ditch at Keanae.....	-	1934-
Koolau ditch near Keanae.....	-	1910-12; 1917-
Honomanu Stream at Haiku-uka boundary, near Kailiili.....	-	1919-27; 1932-34.
Seventh Branch Honomanu Stream at Haiku-uka boundary, near Kailiili.....	-	1932-33.
Fourth Branch Honomanu Stream at Haiku-uka boundary, near Kailiili.....	-	1932-33.
Honomanu Stream near Keanae.....	-	1913-
Spreckels ditch at station No. 1, near Huelo.....	-	1910-13.
Spreckels ditch at station No. 2, near Huelo.....	-	1911-13.
Spreckels ditch at station No. 3, near Huelo.....	-	1910-13.
Haipuaena Stream:		
Kula diversion from Haipuaena Stream near Olinda.....	-	1945-
Haipuaena Stream at Haiku-uka boundary, near Kailiili.....	-	1919-27; 1932-34.
Third Branch Haipuaena Stream at Haiku-uka boundary, near Kailiili.....	-	1932-33.
First Branch Haipuaena Stream at Haiku-uka boundary, near Kailiili.....	-	1932-33.
Haipuaena diversion ditch at Kolea Gulch, near Keanae..	-	1938-
Haipuaena Stream near Huelo.....	1.1	1913-
Haipuaena Stream below Spreckels ditch, near Huelo.....	-	1910-13.
Spreckels ditch at Haipuaena weir, near Huelo.....	-	1922-30; 1935-
Spreckels ditch at station No. 4, near Huelo.....	-	1910-13.
Spreckels ditch at Haipuaena, near Huelo.....	-	1930-35.
Koolau ditch at Haipuaena, near Huelo.....	-	1932-
Puohokamoa Stream:		
East Branch Puohokamoa Stream at Haiku-uka boundary, near Kailiili.....	-	1919-27; 1932-33.
Middle Branch Puohokamoa Stream at Haiku-uka boundary, near Kailiili.....	-	1918-27; 1932-34.
West Branch Puohokamoa Stream at Haiku-uka boundary, near Kailiili.....	-	1919-28; 1932-34.
Puohokamoa Stream near Huelo.....	2.6	1913-
Puohokamoa Stream below Spreckels ditch, near Huelo.....	-	1910-13.
Puohokamoa intake Koolau ditch near Huelo.....	-	1922-30.
Manuel Luis ditch at Puohokamoa Gulch, near Huelo.....	-	1917-
Manuel Luis ditch west of Puohokamoa Stream, near Huelo..	-	1930-35.
Center ditch near Huelo.....	-	1910-12.
Koolau ditch at Wahinepee, near Huelo.....	-	1922-29.
Spreckels ditch at Wahinepee, near Kailua.....	-	1928-38.
Waiakamoi Stream:		
East Branch Waiakamoi Stream at Haiku-uka boundary, near Kailiili.....	-	1918-28; 1932-33.
West Branch Waiakamoi Stream at Haiku-uka boundary, near Kailiili.....	-	1918-28; 1932-34.
Waiakamoi Stream above Wailoa ditch, near Huelo.....	4.4	1922-
Waiakamoi Stream near Huelo.....	-	1910-22.
Alo Stream near Huelo.....	0.2	1910-
Koolau ditch at Alo diversion weir, near Huelo.....	-	1908-11.
Spreckels ditch at station No. 5, near Huelo.....	-	1911-13.
Spreckels ditch at station No. 6, near Huelo.....	-	1911-13.
Spreckels ditch at station No. 7, near Huelo.....	-	1911-12.
Center ditch at Waiakamoi, near Huelo.....	-	1918-22.
Center ditch below Kolea Reservoir, near Huelo.....	-	1922-30.
Spreckels ditch below Kaaiea Gulch, near Huelo.....	-	1917-30.
Kaaiea Stream near Huelo.....	0.5	1921-

<u>Gaging station</u>	<u>Drainage area (sq mi)</u>	<u>Period of record</u>
Island of Maui--Continued		
Oopuola Stream near Huelo.....	0.2	1930-
Oopuola Stream 400 ft above Spreckels ditch crossing, near Huelo.....	-	1910-15.
Spreckels ditch at station No. 8, near Huelo.....	-	1911-13.
Nailililihaele Stream:		
Second Branch Nailililihaele Stream at Haiku-uka boundary, near Kaililili.....	-	1932-33.
Nailililihaele Stream near Huelo.....	2.8	1910-11; 1913-18; 1919-
Nailililihaele Stream below New Hamakua ditch near Huelo..	-	1912-13.
New Hamakua ditch at Nailililihaele weir, near Huelo.....	-	1910-12.
New Hamakua ditch at station No. 1, near Huelo.....	-	1912.
Kailua Stream at Haiku-uka boundary, near Kaililili.....	-	1918-28; 1932-34.
Tenth Branch Kailua Stream at Haiku-uka boundary, near Kaililili.....	-	1932-33.
Ninth Branch Kaulua Stream at Haiku-uka boundary, near Kaililili.....	-	1932-33.
Kailua Stream near Huelo.....	3.0	1910-11; 1913-18; 1919-
New Hamakua ditch at station No. 3, near Huelo.....	-	1912.
New Hamakua ditch at station No. 4, near Huelo.....	-	1912.
Kailua Stream:		
Oanui Stream near Huelo.....	-	1910-11; 1913-16.
New Hamakua ditch at station No. 5, near Huelo.....	-	1912.
New Hamakua ditch at station No. 2, near Huelo.....	-	1912.
Old Hamakua ditch at Kailua, near Huelo.....	-	1919-22.
Kailua Stream near Huelo.....	-	1912-13.
Hoolawanui Stream near Huelo.....	-	1911-
Hoolawaililili Stream near Huelo.....	-	1911-
Honopou Stream near Huelo.....	1.0	1910-
Wailoa ditch at Honopou, near Huelo.....	-	1922-
New Hamakua ditch at Honopou, near Huelo.....	-	1918-
Old Hamakua ditch at Honopou, near Huelo.....	-	1918-22; 1936-
Honopou Stream at Lowrie ditch siphon, near Huelo.....	-	1932-47.
Lowrie ditch at Honopou Gulch, near Huelo.....	-	1910-27; 1930-
Honopou Stream above Haiku ditch, near Huelo.....	-	1932-47.
Haiku ditch at Honopou Gulch, near Kailua.....	-	1910-28; 1930-
Honopou Stream below Haiku ditch, near Huelo.....	-	1932-47.
New Hamakua ditch at Halehaku weir, near Huelo.....	-	1910-23.
Halehaku Stream at dam, near Huelo.....	-	1910-11.
Halehaku Stream at weir, near Huelo.....	-	1910-12.
East Branch Opana Stream at Haiku-uka boundary, near Kaililili.....	-	1932-33.
Opana ditch near Huelo.....	-	1910-12.
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Kauhikoa ditch at Opana weir, near Huelo.....	-	1910-28.
Kaiuanui ditch at Puomalei, near Hamakuapoko.....	-	1910-12.
Iao Stream near Wailuku.....	-	1910-15.
Maniania ditch near Wailuku.....	-	1910-13.
Waihee Canal at weir, near Wailuku.....	-	1911-12.
Iao Stream at Wailuku.....	8.4	1950-
North Waiehu Stream near Wailuku.....	-	1911-16.
North Waiehu ditch near Wailuku.....	-	1910-11; 1916-17.
South Waiehu Stream at intake, near Wailuku.....	-	1910-11; 1912-17.
South Waiehu ditch near Wailuku.....	-	1912-15.
Waihee Stream above dam, near Waihee.....	-	1913-17.
Waihee Stream at dam, near Waihee.....	-	1910-12.
Waihee Canal near Waihee.....	-	1910-12.
Spreckels ditch near Waihee.....	-	1910-13.
Spreckels ditch at Waiale weir, near Wailuku.....	-	1910-11.
Left Branch Makamakaole Stream near Waihee.....	0.4	1939-52.
Kahakuloa Stream near Honokohau.....	3.4	1913-14; 1939-43; 1947-
Kahakuloa Stream at Kahakuloa, near Waihee.....	-	1912-13.
Honokohau Stream near Honokohau.....	4.2	1913-20; 1922-
Honokohau ditch at intake, near Honokohau.....	-	1907-13.
Honokohau ditch above Honolua Stream, near Honokohau...	-	1910-11.
Honokohau ditch at Honokowai weir, near Lahaina.....	-	1910-12.
Honolua Stream near Honokohau.....	-	1913-17.
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Honolua Stream at Honolua Ranch, near Honokohau.....	-	1911.
Honokowai Stream at weir 1, near Lahaina.....	-	1901.
Honokowai Stream (above diversion) near Lahaina.....	-	1911.
Honokowai ditch near Lahaina.....	-	1912-17; 1918-
Honokowai Stream (below diversion) near Lahaina.....	-	1913-17.
Lahainaluna weir No. 1 near Lahaina.....	-	1901.

<u>Gaging station</u>	<u>Drainage area (sq mi)</u>	<u>Period of record</u>
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Lahainaluna weir No. 2 near Lahaina.....	-	1901.
Lahainaluna ditch near Lahaina.....	-	1913-14.
Lahainaluna Stream near Lahaina.....	-	1911-16; 1916-32.
Kahoma Stream at weir No. 1, near Lahaina.....	-	1901.
Kahoma Stream at weir No. 2, near Lahaina.....	-	1901.
Kahoma development tunnel near Lahaina.....	-	1911-17.
Kahoma Stream near Lahaina.....	-	1911-12; 1913-17.
North Fork Kauaula Stream at weir No. 1, near Lahaina....	-	1901.
South Fork Kauaula Stream at weir No. 2, near Lahaina..	-	1901.
Kauaula Stream near Lahaina.....	-	1911-16.
Kauaula Stream at weir No. 3, near Lahaina.....	-	1901.
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Launiupoko Stream near Lahaina.....	-	1911-17.
Olowalu Stream near Olowalu.....	-	1913-16.
Olowalu ditch near Olowalu.....	-	1911-
Ukumehame Stream near Olowalu.....	-	1911-12; 1913-19.
Waikapu Stream near Waikapu.....	-	1910-17.
Palolo ditch near Waikapu.....	-	1910-17.
South Side Waikapu ditch near Waikapu.....	-	1910-17.
<u>Island of Hawaii:</u>		
Waiakea Stream at middle flume house, near Mountain View.	-	1930-
Olaa flume at Kaumana, near Hilo.....	-	1917-20.
Hamakua (81) stations at elevation 2,700 feet.....	-	1911-13.
Wailuku River at Pukamaui, near Hilo.....	-	1923-28; 1929-40.
Wailuku River above Hilo Boarding School ditch intake, near Hilo.....	125	1928-
Hilo Boarding School ditch at intake, near Hilo.....	-	1931-40.
Hilo Boarding School ditch near Hilo.....	-	1918-19.
Kapehu Stream:		
Kapehu ditch:		
Kapehu ditch diversion near Hilo.....	-	1954-
Kapehu ditch near Hilo.....	-	1938-
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Honolii Stream near Hilo.....	-	1924-32.
Honolii Stream at Kaiwiki, near Hilo.....	-	1911-13.
Kawainui River near Pepekeo.....	-	1911-12.
Upper Hamakua ditch at Puualala and Reservoir No. 3 weirs, near Kukuihaele.....	-	1913-20.
New Hamakua ditch at Waima Stream, near Waipio.....	-	1912.
Lower Hamakua ditch at main weir, near Kukuihaele.....	-	1910-20.
Waipio River:		
Kawainui Stream at elevation 2,120 feet, near Waipio...	-	1901-2.
Kawainui Stream at elevation 1,435 feet, near Waipio...	-	1901-2.
Kawainui Stream near Waipio.....	-	1911-12.
Kawainui Stream at elevation 775 feet, near Waipio.....	-	1901-2.
Branch No. 3 Kawainui Stream at elevation 1,700 feet, near Waipio.....	-	1901-2.
Branch No. 2 Kawainui Stream at elevation 1,405 feet, near Waipio.....	-	1901-2.
Branch No. 1 Kawainui Stream at elevation 1,380 feet, near Waipio.....	-	1901-2.
Alakahi Stream at elevation 1,200 feet, near Waipio....	-	1901-2.
Alakahi Stream at elevation 730 feet, near Waipio.....	-	1901-2.
Koiawe Stream at elevation 1,120 feet, near Waipio.....	-	1901-2.
Koiawe Stream at elevation 610 feet, near Waipio.....	-	1901-2.
Waipio River below Koiawe, near Waipio.....	-	1911-12.
Waima Stream at elevation 790 feet, near Waipio.....	-	1901-2.
Waima Stream at elevation 385 feet, near Waipio.....	-	1901-2.
Waipio River below Waima, near Waipio.....	-	1911-12.
Waipio River at elevation 360 feet, near Waipio.....	-	1901-2.
Waiilikahi Stream near Waimanu.....	0.4	1939-
Kaimu Stream near Waimanu.....	0.5	1939-52.
Punalulu Stream near Waimanu.....	1.4	1939-52.
Waiaalala Stream near Waimanu.....	0.2	1939-52.
Paopao Stream near Waimanu.....	0.6	1939-52.
Kukui Stream near Waimanu.....	0.4	1939-52.
Awini ditch at East Honokaneiki Gulch, near Niulii.....	-	1927-
East Honokaneiki intake to Awini ditch, near Niulii....	-	1927-

<u>Gaging station</u>	<u>Drainage area (sq mi)</u>	<u>Period of record</u>
Island of Hawaii--Continued		
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East Branch Honokanenui Stream at elevation 700 feet, near Honokane.....	-	1901.
West Branch Honokanenui Stream at elevation 1,370 feet, near Honokane.....	-	1901.
Kohala ditch above Honokane Gulch, near Kohala.....	-	1908-18.
Kohala ditch at Awini weir, near Kohala.....	-	1907-17.
Kohala ditch at Honokane weir, near Kohala.....	-	1907-12.
Kohala ditch at Pololu, near Niulii.....	-	1927-
Kohala ditch at Niulii weir, near Kohala.....	-	1907-17.
Kohala ditch near Kohala.....	-	1910-11.
Kehena ditch at Honokane mauka, near North Kohala.....	-	1912-13.
Kehena ditch near Kohala.....	-	1917-19; 1928-
Kohakohau Stream near Kamuela.....	-	1956-
Waikoloa Stream near Kamuela.....	1.0	1947-
Waikoloa Stream at Marine Dam, near Kamuela.....	1.3	1947-
Hauani Stream near Kamuela.....	-	1956-
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