

OTHER USGS
STREAM FLOW DATA
FOR SOUTH WAIEHU

EXHIBIT 11

DEPARTMENT OF THE INTERIOR
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GEORGE OTIS SMITH, DIRECTOR

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WATER RESOURCES OF HAWAII

1909-1911

PREPARED UNDER THE DIRECTION OF M. O. LEIGHTON

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Daily gage height, in feet, of North Waiehu ditch near Wailuku, Maui, for 1910-11—Continued.

Table with columns for Day, Jan, Feb, Mar, Apr, May, June, July, Aug, Sept, Oct, Nov, Dec. Rows 21-31 for 1911.

Daily discharge, in second-feet, of North Waiehu ditch near Wailuku, Maui, for 1910-11.

Table with columns for Day, Dec, 1910, Day, Dec. Rows 1-10 for 1910.

Table with columns for Day, Jan, Feb, Mar, Apr, May, June, July, Aug, Sept, Oct, Nov, Dec. Rows 1-31 for 1911.

Note.—Daily discharge computed from a rating curve that is poorly defined. On days when no discharge is given the ditch was not carrying water.

Monthly discharge of North Waiehu ditch near Wailuku, Maui, for 1910-11.

Table with columns for Month, Discharge in second-feet (Maximum, Minimum, Mean), Run-off (total in acre-feet), and Accuracy.

a For 21 days, Dec 1-5 and 16-31. b For 17 days, Jan 1-17. c For 24 days, Feb 4-27.

d For 27 days, Mar 5-31. e For 343 days.

SOUTH WAIHEHU STREAM NEAR WAILUKU, MAUI.

A gaging station was established on South Waiehu Stream at the intake of the upper ditch about 3 miles northwest of Wailuku November 17, 1910.

A staff gage, graduated in tenths of feet, is fastened to the upstream face of the concrete head gate at the intake.

The discharge at this station gives the total flow of the stream.

Discharge measurements of South Waiehu Stream near Wailuku, Maui, in 1910-11.

Table with columns for Date, Hydrographer, Width, Area of section, Gage height, and Discharge.

a New gage installed at different location and datum.

b Old gage height was 0.50.

c Measurement by wading in stream above ditch intake; all other measurements in wooden flumes which carries total low of stream except at high stages.

Daily gage height, in feet, of South Waiehu Stream near Waiuku, Maui, for 1910-11.

(T. Burrell, observer.)

Table with columns for Day, Month (Jan-Dec), and Dec. values. It contains two sections: one for 1910 (days 1-31) and one for 1911 (days 1-31).

Daily discharge, in second-feet, of South Waiehu Stream near Waiuku, Maui, for 1910-11.

Table with columns for Day, Month (Jan-Dec), and Dec. values. It contains two sections: one for 1910 (days 1-31) and one for 1911 (days 1-31).

Daily discharge, in second-feet, of South Waiehu Stream near Waiuku, Maui, for 1910-11—Continued.

Table with columns for Day, Month (Jan-Dec), and Dec. values. It contains two sections: one for 1911 (days 1-31) and one for 1912 (days 1-31).

a Discharge interpolated.

Note.—Daily discharge computed from rating curves fairly well defined between 4 and 8 second-feet. Above 10 second-feet the discharge is obtained by taking sum of flow in ditch and flow over broad crested weir and is only approximate.

Monthly discharge of South Waiehu Stream near Waiuku, Maui, for 1910-11.

Summary table with columns for Month, Discharge in second-feet (Maximum, Minimum, Mean), and Run-off (total in acre-feet). It lists data for 1910 and 1911.