

Low-Flow Partial-Record Stations

Measurements of streamflow made at low-flow partial-record stations are given in the following table. Most of these measurements were made during periods of base flow when streamflow is primarily from ground-water storage. These measurements, when correlated with the simultaneous discharge of a nearby stream where long-term continuous records are available, will give a picture of the low-flow potential of the stream. The column headed "Period of record" shows the water years in which measurements were made at the same, or nearly the same, site.

Discharge measurements made at low-flow partial-record stations during water year 2005

Station name and number	Location	Drainage area (mi ²)	Period of record	Date	Measurement	
					Gage height (ft)	Discharge (ft ³ /s)
Island of Maui						
16588000	Lat 20° 53'20", long 156° 15'19", on right bank	unknown	1924-87# ,	10-26-04	4.39	186
Wailoa ditch at	100 ft downstream from intake at Honopou		1988-2005	02-17-05	2.73	93.1
Honopou, near Huelo	Stream, 0.5 mi west of Lupi, and 2.2 mi southwest of Huelo.			05-03-05	2.65	83.5
				08-02-05	4.10	167
16589000	Lat 20° 53'28", long 156° 15'22", on right bank	unknown	1919-85# ,	10-27-04	0.78	0.42
New Hamakua ditch at Honopou, near Huelo	15 ft upstream from tunnel portal, 600 ft downstream from Honopou Stream crossing and 2.1 mi southwest of Huelo.		1986-2005	02-17-05	0.83	1.69
				05-03-05	0.88	1.10
				08-02-05	1.03	2.31
16592000	Lat 20° 54'57", long 156° 15'08", on left bank	unknown	1911-26#,	10-26-04	2.98	28.6
Lowrie ditch at	0.2 mi downstream from siphon across		1931-85#,	02-17-05	2.87	22.7
Honopou Gulch, near Huelo	Honopou Stream, 1.6 mi west of Huelo, and 2.7 mi northwest of Kailua.		1986-2005	05-03-05	2.55	10.5
				08-02-05	2.68	16.1
16594000	Lat 20° 55'07", long 156° 14'58", on right bank	unknown	1911#,	10-26-04	0.60	3.79
Haiku ditch at	on west side of Honopou Gulch, 160 ft below		1914#,	02-17-05	0.35	1.40
Honopou Gulch, near Kailua	Hana Highway, 2.5 mi northwest of Kailua, and 5.0 mi east of Ha'iku.		1916-28#,	05-03-05	0.46	2.30
			1931-85#,	08-02-05	0.45	2.28
			1986-2005			

Operated as a continuous-record gaging station.

Miscellaneous discharge water-quality measurements at low-flow stations during water year 2005, Molokai Springs.

Station name and number	Location	Time	Date	Discharge (ft ³ /s)	Water temperature C°	Specific conductance (S/cm)
Island of Molokai						
210545157022201	Lat 21° 05'45", long 157° 02'22", at Kapuaiwa	1407	12-14-04	3.76	23.9	6,680
Coconut Grove Springs near Kaunakakai	Coconut Grove, 1.3 mi west of Kaunakakai on Hwy 460	1227	02-10-05	3.93	23.8	4,380
		0905	04-08-05	3.33	23.8	4,060
		1000	06-09-05	3.70	23.9	3,880
		0830	07-20-05	3.43	24.0	4,360
210432156484801	Lat 21° 04'32", long 156° 48'48", at Pukoo, 15 mi east of Kaunakakai on Hwy 450, 300 ft towards ocean from Hwy	1223	12-13-04	0.68	25.6	605
Pukoo Spring at Pukoo		1150	02-09-05	0.67	25.4	588
		1040	04-07-05	0.61	23.3	543
		1040	06-07-05	0.49	25.2	514
		1150	08-17-05	0.47	24.6	511

Miscellaneous discharge measurements during water year 2005 on Molokai (cont).

Station name and number	Location	Date	Gage height (ft)	Discharge (ft ³ /s)
Island of Molokai--(cont.)				
16405300	Lat 21° 07'27", long 156° 59'50", on left bank 50 ft	10-07-04	0.71	5.98
Molokai Tunnel at West Portal	upstream from west portal, 2.5 mi northeast of Kaunakakai	04-07-05	0.97	14.7

Miscellaneous discharge measurements during water year 2005 on Hawaii.

Station name and number	Location	Measured Previously (water years)	Date	Discharge (ft ³ /s)
Island of Hawaii				
16732200	Lat 20° 05'28", long 155° 37'01", at alt. 150 ft, 0.35 mi upstream from end of Waipio Valley road.	1901-02= 1911-12= 1964-69= 2000-01, 2003	10-06-04 08-23-05	69.4 95.7
200505155383801	Lat 20° 05'05", long 155° 38'38", 50 ft upstream from diversion dam at start of Lower Hamakua Ditch nr Waipio	2000-01 2003	10-06-04 02-25-05 08-24-05	16.2 11.4 28.6
200413155390301	Lat 20° 04'13", long 155° 39'03", 200 ft upstream from Lower Hamakua Ditch diversion dam on Alakahi Stream, at alt 1,030 ft.	2001 2003	10-06-04 02-25-05 08-24-05	12.5 11.4 13.6
200351155380901	Lat 20° 03'51", long 155° 38'09", 300 ft upstream from Lower Hamakua Ditch diversion dam on Koiawe Stream, at alt 1,020 ft.	2000-01 2003	10-07-04 04-27-05	7.32 7.38
200351155372801	Lat 20° 03'51", long 155° 37'28", 100 ft upstream from Lower Hamakua Ditch diversion dam on Waima Stream, at alt 1,040.	2000-01 2003	10-07-04 08-23-05	0.72 0.96
200434155372001	Lat 20° 04'34", long 155° 37'20", 600 ft upstream from confluence with Waima Stream, at alt. 400 ft.	2000	08-23-05	62.7

Station name and number	Location	Measured Previously (water years)	Date	Discharge (ft ³ /s)
Island of Hawaii				
16759000 Hauani Gulch near Kamuela	Lat 20° 02'28", long 155° 39'05", on left bank 800 ft downstream from small tributary and 1.8 mi northeast of Kamuela.	1956-2004	04-27-05	0.40

= Operated as a continuous-record station.