



GEODETIC CONTROL DATA

NAD 83 COORDINATES for
Geodetic Control Diagram Area

KAUAI

LATITUDE N21°30' to N22°30'

LONGITUDE W159° to W161°

Compiled and published by
National Geodetic Survey
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FEBRUARY 1987

U.S. DEPARTMENT OF COMMERCE
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Administration
National Ocean Service
Charting and Geodetic Services

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NOAA - NOS - C&GS
 NATIONAL GEODETIC SURVEY
 February 1987

Geodetic Control Diagram

KAUAI

NAD 83 GEODETIC AND STATE PLANE COORDINATES

QIDQSN	STATION NAME	LATITUDE (NORTH)	LONGITUDE (WEST)	NORTHING METERS*	EASTING METERS*	ZONE	CONVERGENCE	SCALE FACTOR	ELEV. GEOID (M)	HT (M)
221593240012	1964 2	22 08 1.78820	159 43 42.98530	33291.412	476415.951	HI 4	-0 05 10.08	0.9999969	454.22	11.92
221593240009	273901 1967	22 08 3.47927	159 43 40.70288	33343.329	476481.436	HI 4	-0 05 9.22	0.9999968	461 SC	11.92
221593240008	273902 1967	22 08 4.31228	159 43 40.56968	33368.946	476485.292	HI 4	-0 05 9.18	0.9999968	460 SC	11.92
221593240011	273CO1 1967	22 08 5.89296	159 43 42.00701	33417.628	476444.176	HI 4	-0 05 9.73	0.9999969	455 SC	11.92
221593240024	274201 MK	22 07 55.33169	159 43 25.19184	33092.060	476925.563	HI 4	-0 05 3.35	0.9999966	512.96	11.93
221593240027	274202 MK	22 07 55.28017	159 43 25.21653	33090.476	476924.853	HI 4	-0 05 3.36	0.9999966	512.92	11.93
221593240026	274203 MK	22 07 55.30444	159 43 25.21143	33091.222	476925.000	HI 4	-0 05 3.36	0.9999966	512.94	11.93
221593240023	274204 MK	22 07 55.35806	159 43 25.17113	33092.870	476926.158	HI 4	-0 05 3.34	0.9999966	512.86	11.93
221593240028	274205 MK	22 07 55.25369	159 43 25.23952	33089.663	476924.193	HI 4	-0 05 3.37	0.9999966	513.00	11.93
221593240025	274206 MARK	22 07 55.30624	159 43 25.19321	33091.277	476925.523	HI 4	-0 05 3.35	0.9999966	512.99	11.93
221593240029	274207 MK	22 08 0.52242	159 43 38.64197	33252.292	476540.359	HI 4	-0 05 8.44	0.9999968	469.09	11.92
211591440004	A	21 55 38.42609	159 22 27.67380	10414.508	512980.970	HI 4	0 02 48.91	0.9999921		
22159320069	A-POINT 1968	22 02 0.40492	159 46 57.78782	22185.123	470812.902	HI 4	-0 06 21.82	1.0000005	6.	12.13
221592330001	AAHOAKA	22 02 28.60614	159 22 30.84150	23030.791	512879.778	HI 4	0 02 48.56	0.9999920		
221593240007	ADOBE	22 07 59.89779	159 43 38.92423	33233.091	476532.242	HI 4	-0 05 8.54	0.9999968	468.28	11.92
211594140009	AHU	21 57 48.94267	159 39 50.23385	14432.670	483065.608	HI 4	-0 03 40.76	0.9999935	105 SC	12.27
211591410002	AHUKINI LIGHT	21 59 33.63949	159 19 54.40280	17653.425	517371.644	HI 4	0 03 46.79	0.9999937		
211591410003	AHUKINI LIGHT	21 59 38.01710	159 19 56.39568	17788.010	517314.330	HI 4	0 03 46.06	0.9999937		
211591410010	AIRPORT BEACON LIHUE AIRPORT	21 58 57.50151	159 20 34.01690	16540.680	516236.447	HI 4	0 03 31.86	0.9999933		
211591440012	AL	21 52 54.08154	159 25 18.53293	5356.380	508080.183	HI 4	0 01 44.90	0.9999908		
211594110004	ALEX 1968	21 57 14.05054	159 31 25.46221	13350.588	497547.841	HI 4	-0 00 31.95	0.9999901	528.	12.35
211594110005	ALEX 1968 AZ MK	21 57 25.34726	159 31 33.03025	13698.087	497330.750	HI 4	-0 00 34.79	0.9999901	489.	12.36
221592310004	ANA 1927	22 07 48.34761	159 18 30.11002	32872.727	519770.485	HI 4	0 04 19.89	0.9999948	74 SC	11.71
221592310002	ANAHOLA DERRICK MAST	22 08 51.26136	159 18 8.53109	34808.667	520388.368	HI 4	0 04 28.22	0.9999951		
221593320064	ARCAS LAUNCHER	22 04 6.70965	159 46 28.42083	26068.536	471662.053	HI 4	-0 08 11.37	0.9999999	28.50	12.07
221593320010	AUG	22 00 18.34962	159 46 20.73339	19044.131	471869.922	HI 4	-0 06 7.47	0.9999998		
221593240004	AWAA 1910	22 08 46.87652	159 39 12.40535	34668.530	484171.298	HI 4	-0 03 28.24	0.9999931	1251 SC	11.94
211591440005	B	21 55 32.52217	159 22 31.85690	10232.818	512861.069	HI 4	0 02 47.34	0.9999920		
221593320014	BALL	22 03 7.04350	159 46 39.66795	24233.874	471336.256	HI 4	-0 06 15.33	1.0000001	3.53	12.10
221593320015	BALL RM 1	22 03 7.04351	159 46 40.05029	24233.894	471325.293	HI 4	-0 06 15.47	1.0000002	3.89	12.10
221593320052	BARK	22 01 28.70653	159 46 59.70563	21210.230	470756.097	HI 4	-0 06 22.40	1.0000006	4.68	12.14
211601130006	BARN SOUTH GABLE	21 52 1.99839	160 13 56.03132	0.000	500000.000	HI 5	-0 01 27.91	0.0000000		
211594140024	BAT	21 57 28.92363	159 41 2.74078	13819.287	480984.568	HI 4	-0 04 7.82	0.9999945		
211594110031	BAY 1910	21 53 37.13400	159 36 0.37675	6681.889	489655.388	HI 4	-0 02 14.38	0.9999913	2 SC	12.26
221593230006	BENCH MARK USGS NR PELE 1961	22 04 50.44917	159 39 59.10350	27397.759	482825.249	HI 4	-0 03 45.21	0.9999936	1115.	12.15
211601110004	BLACK	21 59 1.89838	160 06 48.45899	0.000	500000.000	HI 5	0 01 11.70	0.0000000		
221593210002	BLACK FLAGPOLE	22 12 16.10442	159 29 59.55492	41096.131	500012.748	HI 4	0 00 0.17	0.9999900		
211601130001	BLUFF 1926	21 51 2.41184	160 10 0.88804	0.000	500000.000	HI 5	-0 00 0.33	0.0000000	15 SC	11.52
211594140039	BONE	21 58 17.85322	159 43 51.50053	15330.829	476144.747	HI 4	-0 05 11.11	0.9999970		
221593320075	BONHAM	22 02 5.62062	159 47 10.98156	22346.255	470434.844	HI 4	-0 06 26.80	1.0000008	8.41	12.12
221593320057	BONHAM AUX LANDING FLD CONT TR	22 01 52.37118	159 47 4.60934	21938.380	470616.819	HI 4	-0 06 24.35	1.0000007	6 SC	12.13
221593210004	BRIDGE	22 12 26.05842	159 31 0.00455	41402.400	498281.363	HI 4	-0 00 22.68	0.9999900		
211594110012	BRY	21 53 14.71095	159 33 3.98535	5989.716	494718.474	HI 4	-0 01 8.59	0.9999903		
221593320061	BULL	22 02 32.19978	159 47 6.84919	23163.569	470554.874	HI 4	-0 06 25.37	1.0000007		
211591440008	C	21 54 59.86030	159 22 58.78870	9227.601	512088.930	HI 4	0 02 37.22	0.9999918		
221593320073	CABLE	22 01 44.03674	159 46 59.12678	21681.733	470773.571	HI 4	-0 06 22.25	1.0000005	6.86	12.13

* For conversion of meters to U.S. Survey Feet multiply the meters by 39.37/12.0 which is 3.2808333333 to 12 significant figures

* For conversion of meters to International Feet multiply the meters by 100.0/30.48 which is 3.28083989501 to 12 significant figures

NAD 83 GEODETIC AND STATE PLANE COORDINATES

QIDQSN	STATION NAME	LATITUDE (NORTH)	LONGITUDE (WEST)	NORTHING METERS*	EASTING METERS*	ZONE	CONVERGENCE	SCALE FACTOR	ELEV. GEOID (M)	HT (M)
221592320032	CADDIE 1927	22 01 34.76663	159 20 20.82897	21378.266	516609.683	HI 4	0 03 37.21	0.9999934	7 SC	12.10
221592340023	CAM 1927	22 13 21.53846	159 29 45.85295	43108.816	500405.152	HI 4	0 00 5.35	0.9999900	44 SC	11.65
221592340007	CANE	22 13 30.15464	159 24 20.06241	43376.870	509735.193	HI 4	0 02 8.58	0.9999912		
221593320037	CANE	22 01 35.02495	159 46 55.53159	21404.354	470876.162	HI 4	-0 06 20.86	1.0000005	4.46	12.13
211594140010	CANE 1926	21 57 45.62037	159 39 52.47597	14330.552	483001.170	HI 4	-0 03 41.59	0.9999936	86 SC	12.27
221593320046	CANUTE H N 1964	22 03 44.55424	159 46 58.01578	25388.617	470812.300	HI 4	-0 06 22.39	1.0000005	32.	12.08
211594140023	CANYON B HITS 1967	21 59 34.48025	159 40 28.68314	17680.027	481966.161	HI 4	-0 03 55.44	0.9999940	394 SC	12.26
211594110029	CAVE	21 53 59.83607	159 35 52.11639	7380.000	489892.946	HI 4	-0 02 11.33	0.9999913		
221593320001	CAVERN 1927	22 04 52.98159	159 45 2.89395	27487.573	474116.455	HI 4	-0 05 39.42	0.9999983	94.	12.07
221592310018	CHURCH SPIRE	22 11 41.06331	159 20 52.00966	40026.184	515696.822	HI 4	0 03 27.01	0.9999930		
211594140005	CLIFF	21 57 30.67102	159 39 29.49419	13870.045	483660.070	HI 4	-0 03 32.95	0.9999933		
221593240032	CLIFF 1966	22 08 6.29009	159 43 42.23440	33429.853	476437.678	HI 4	-0 05 9.81	0.9999969	455 SC	11.92
211601140002	CLOTH	21 56 14.16766	160 09 45.10813	0.000	500000.000	HI 5	0 00 5.56	0.0000000		
221593320058	CORAL 1927	22 00 55.21640	159 47 5.19684	20180.419	470596.695	HI 4	-0 06 24.30	1.0000007	7.	12.14
221592340014	CRES	22 13 32.26023	159 27 15.50675	43439.311	504710.766	HI 4	0 01 2.22	0.9999903		
221592340013	CREST 1927	22 13 18.06375	159 26 15.52180	43003.255	506428.798	HI 4	0 01 24.90	0.9999905	62.	11.61
221592340012	CUT 1910	22 13 11.92925	159 25 30.01523	42815.155	507732.148	HI 4	0 01 42.10	0.9999907	54 SC	11.60
221592310008	DAN	22 10 42.85889	159 18 44.53013	38239.969	519350.611	HI 4	0 04 14.99	0.9999946		
211594140006	DEAD SNAG	21 57 35.97791	159 39 31.23685	14033.326	483610.239	HI 4	-0 03 33.62	0.9999933		
211591410007	DERRICK	21 58 26.27366	159 20 1.67936	15581.150	517165.164	HI 4	0 03 43.88	0.9999936		
211601130007	DERRICK	21 52 2.34747	160 13 58.63067	0.000	500000.000	HI 5	-0 01 28.88	0.0000000		
221593210001	DERRICK-DER	22 12 45.18085	159 29 53.37788	41990.491	500189.662	HI 4	0 00 2.50	0.9999900		
221592340026	DEV	22 12 27.55313	159 29 49.35990	41448.284	500304.751	HI 4	0 00 4.02	0.9999900		
211594140026	DIE	21 57 36.69357	159 41 51.76531	14060.027	479578.255	HI 4	-0 04 26.17	0.9999952		
221592320028	DIN	22 02 13.32085	159 20 9.76295	22564.466	516925.767	HI 4	0 03 41.46	0.9999935		
221592310001	DRIFT 1927	22 07 33.07670	159 17 37.64904	32404.979	521274.524	HI 4	0 04 39.60	0.9999956	19 SC	11.68
211594110034	DRY	21 54 1.29313	159 36 32.47717	7425.596	488734.472	HI 4	-0 02 26.39	0.9999916		
221592320033	DUN	22 01 28.14936	159 20 23.27462	21174.656	516539.759	HI 4	0 03 36.27	0.9999934		
221593210006	EAST 1927	22 13 0.17278	159 31 59.04666	42451.997	496590.520	HI 4	-0 00 45.01	0.9999901	37.	11.67
211591440019	EAST GABLE	21 52 44.59688	159 28 4.84768	5062.943	503305.782	HI 4	0 00 42.91	0.9999901		
221592310005	EAT	22 09 51.15673	159 18 38.24505	36649.893	519532.648	HI 4	0 04 17.20	0.9999947		
221592340020	EEYRIE	22 10 21.45045	159 29 4.17760	37569.593	501599.245	HI 4	0 00 21.07	0.9999900		
211594110022	ELELE CATHOLIC CHURCH SPIRE	21 54 23.45310	159 35 5.79141	8105.616	491223.049	HI 4	-0 01 54.09	0.9999910		
211594110038	ELELE LANDING FLAGSTAFF	21 53 55.28713	159 35 14.09561	7239.428	490984.206	HI 4	-0 01 57.15	0.9999910	5.0	12.27
211594140014	EPISCOPAL CHURCH SPIRE	21 57 30.29657	159 40 9.65141	13859.759	482507.864	HI 4	-0 03 47.97	0.9999938		
221593210015	EX 1910	22 10 28.79020	159 36 35.19258	37799.367	488678.366	HI 4	-0 02 29.16	0.9999916	1222 SC	11.85
221593230008	FEEDHORN FPS/16 BS TWR	22 07 10.92511	159 40 2.11155	31718.693	482743.761	HI 4	-0 03 46.72	0.9999937	1157.93	12.03
221592320029	FEN	22 00 41.31572	159 20 12.55398	19734.460	516848.753	HI 4	0 03 40.17	0.9999935		
221593320032	FIC VAN 1968	22 03 2.61742	159 46 51.00842	24098.329	471010.836	HI 4	-0 06 19.56	1.0000004	6 SC	12.10
211594140015	FLAGPOLE NEAR STORE	21 57 19.95143	159 40 11.36700	13541.617	482458.288	HI 4	-0 03 48.58	0.9999938		
221593210020	FLAT	22 13 6.07614	159 34 48.19396	42635.387	491746.260	HI 4	-0 01 48.98	0.9999908		
211591410005	FLAT 1910	21 58 32.69253	159 19 57.90008	15778.700	517273.372	HI 4	0 03 45.31	0.9999937	2 SC	12.09
211594140020	FLOOD 1926	21 58 9.28626	159 40 22.39724	15059.415	482143.513	HI 4	-0 03 52.84	0.9999939	123 SC	12.26
211594140011	FORT	21 57 7.30532	159 39 53.45504	13152.086	482971.811	HI 4	-0 03 41.85	0.9999936		
221593320054	FPQ 10 CAL REF	22 01 37.03160	159 47 1.62981	21466.399	470701.389	HI 4	-0 06 23.16	1.0000006	3.74	12.13

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NAD 83 GEODETIC AND STATE PLANE COORDINATES

QIDQSN	STATION NAME	LATITUDE (NORTH)	LONGITUDE (WEST)	NORTHING METERS*	EASTING METERS*	ZONE	CONVERGENCE	SCALE FACTOR	ELEV. GEOID (M)	HT(M)
221593320072	FPQ 10 FSR 324205 1968	22 01 44.38372	159 46 59.09210	21692.404	470774.585	HI 4	-0 06 22.24	1.0000005	7 SC	12.13
221593240037	FPS/16 RADAR CENTER AXIS	22 07 24.58739	159 39 55.96955	32138.734	482920.245	HI 4	-0 03 44.45	0.9999936	1155.00	12.02
211601110002	GAM 1926	21 59 12.72215	160 05 26.86136	0.000	500000.000	HI 5	0 01 42.26	0.0000000	71 SC	11.88
221592320005	GAS	22 05 24.55405	159 18 19.40710	28450.222	520082.858	HI 4	0 04 23.47	0.9999950		
221593320040	GKR 9	22 01 34.46832	159 46 56.07895	21387.262	470860.433	HI 4	-0 06 21.06	1.0000005	16 SC	12.13
221593320070	GMD RADAR 1968	22 02 0.30140	159 46 57.80613	22181.940	470812.371	HI 4	-0 06 21.83	1.0000005	6 SC	12.13
221593320048	GMD RADAR 321202	22 01 59.72268	159 46 58.30744	22164.166	470797.962	HI 4	-0 06 22.02	1.0000005	2.98	12.13
221593320038	GMD TARGET ANT	22 01 58.44570	159 46 55.81451	22124.755	470869.379	HI 4	-0 06 21.07	1.0000005	4.14	12.13
221593240006	GOAT	22 07 55.81723	159 43 25.18910	33106.994	476925.664	HI 4	-0 05 3.35	0.9999966	513.00	11.93
211594110003	GOV	21 53 12.89223	159 31 4.75173	5933.007	498141.215	HI 4	-0 00 24.14	0.9999900		
211594110017	GOVERNMENT FLAG	21 53 36.83206	159 33 41.44212	6670.504	493643.503	HI 4	-0 01 22.57	0.9999905		
211594140022	GREEN ROOF NORTH GABLE	21 57 33.75819	159 40 28.65104	13966.843	481962.846	HI 4	-0 03 55.08	0.9999940		
221593210011	HAENA	22 13 24.07564	159 34 49.75061	43189.056	491701.972	HI 4	-0 01 49.59	0.9999909		
221593230002	HALE 1910	22 06 47.50837	159 40 11.54543	30998.725	482472.586	HI 4	-0 03 50.21	0.9999938	1132.	12.05
221593230001	HALE 2	22 06 47.95594	159 40 10.71883	31012.466	482496.292	HI 4	-0 03 49.90	0.9999938	1130.94	12.05
221592320026	HAN 1910	21 59 55.69894	159 19 57.54681	18331.835	517280.715	HI 4	0 03 45.67	0.9999937	3 SC	12.10
221592330003	HANAHANAPUNI 1910	22 03 12.76233	159 25 32.52180	24385.564	507669.367	HI 4	0 01 40.43	0.9999907	278.	12.25
221592340021	HANALEI 1910	22 13 44.88498	159 29 5.72635	43827.002	501554.253	HI 4	0 00 20.53	0.9999900	47.	11.61
211591410015	HANAMAULU MILL CHIMNEY	21 59 45.26027	159 21 19.67488	18008.359	514925.260	HI 4	0 03 14.88	0.9999928		
211591410001	HANAMAULU WAREHOUSE SE GABLE	21 59 28.77225	159 19 53.93771	17503.732	517385.150	HI 4	0 03 46.95	0.9999937		
211594110026	HANAPEPE BREAKWATER LIGHT	21 53 48.55733	159 35 27.77414	7032.662	490591.455	HI 4	-0 02 2.24	0.9999911		
221592320025	HAR 1910	22 03 3.92131	159 19 57.03430	24121.249	517289.069	HI 4	0 03 46.37	0.9999937	7 SC	12.04
221593320045	HASP LAUNCHER 1964	22 02 33.04945	159 46 57.51553	23189.206	470822.569	HI 4	-0 06 21.87	1.0000005	5 SC	12.11
211594110021	HAW	21 53 45.06729	159 34 43.96873	6924.621	491848.806	HI 4	-0 01 45.90	0.9999908		
221593240005	HELO	22 07 48.35149	159 43 21.74773	32877.213	477023.947	HI 4	-0 05 2.03	0.9999965	545.10	11.94
221592320017	HEN	22 03 52.75686	159 19 5.03347	25625.061	518778.321	HI 4	0 04 6.04	0.9999944		
211594140007	HERD	21 56 36.24771	159 39 39.03427	12196.377	483384.589	HI 4	-0 03 36.38	0.9999934		
211594110011	HID	21 53 14.64255	159 32 31.36822	5987.328	495654.788	HI 4	-0 00 56.43	0.9999902		
221593320055	HIGH	22 03 7.04472	159 47 2.18163	24235.099	470690.712	HI 4	-0 06 23.78	1.0000006	5.90	12.10
211591440015	HIGH GABLE	21 52 24.25779	159 27 13.33956	4437.737	504784.660	HI 4	0 01 2.09	0.9999903		
221593320053	HIGH RM 1	22 03 7.04464	159 47 1.30960	24235.050	470715.716	HI 4	-0 06 23.45	1.0000006	5.47	12.10
221592340018	HIHIMANU 1910	22 11 6.16231	159 28 46.83473	38944.934	502095.913	HI 4	0 00 27.63	0.9999901	389 SC	11.83
221593210005	HINIHINI 1910	22 12 37.75976	159 31 27.56594	41762.427	497492.013	HI 4	-0 00 33.10	0.9999901	211.	11.71
211591440003	HOKUNUI 1910	21 55 58.52581	159 22 24.55641	11032.806	513069.924	HI 4	0 02 50.12	0.9999921	491.	12.18
221593320006	HON	22 04 52.12791	159 45 39.58827	27463.081	473064.477	HI 4	-0 05 53.21	0.9999990		
221592340015	HONONO 1927	22 13 27.77960	159 27 17.12483	43301.478	504664.468	HI 4	0 01 1.61	0.9999903	53 SC	11.62
211591440023	HORN 1910	21 53 5.62163	159 29 37.10454	5709.285	500657.254	HI 4	0 00 8.53	0.9999900	2 SC	12.29
221602220001	HOUSE NORTH GABLE	22 00 12.45957	160 05 31.28891	0.000	500000.000	HI 5	0 01 40.68	0.0000000		
211594110008	IOLEAU 1904	21 54 1.35728	159 31 44.70863	7423.856	496994.482	HI 4	-0 00 39.06	0.9999901	190 SC	12.30
221593210003	JAP SCHOOL FLAGSTAFF	22 12 12.39684	159 30 1.28575	40982.090	499963.173	HI 4	-0 00 0.49	0.9999900		
221593320020	JAY-JAY H N 1964	22 03 37.86057	159 46 44.00109	25181.990	471213.743	HI 4	-0 06 17.09	1.0000002	2.31	12.09
221593320063	JUDY LAUNCHER	22 04 6.81710	159 46 28.22665	26071.831	471667.626	HI 4	-0 06 11.29	0.9999999	28.96	12.07
221593320031	JUPITER	22 03 3.06039	159 46 50.13813	24111.908	471035.815	HI 4	-0 06 19.24	1.0000004	3.42	12.10
221593320030	JUPITER VAN 1968	22 03 2.75616	159 46 49.65532	24102.525	471049.642	HI 4	-0 06 19.06	1.0000004	6 SC	12.10
211601140001	KAEO 1926	21 54 0.01771	160 08 11.30826	0.000	500000.000	HI 5	0 00 40.54	0.0000000	311 SC	11.69

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* For conversion of meters to International Feet multiply the meters by 100.0/30.48 which is 3.28083989501 to 12 significant figures

NAD 83 GEODETIC AND STATE PLANE COORDINATES

QIDQSN	STATION NAME	LATITUDE (NORTH)	LONGITUDE (WEST)	NORTHING METERS*	EASTING METERS*	ZONE	CONVERGENCE	SCALE FACTOR	ELEV. GEOID (M)	HT (M)
221592310022	KAHALA LIGHT	22 08 48.32450	159 17 43.42300	34719.285	521105.937	HI 4	0 04 37.68	0.9999955		
221592310023	KAHALA LIGHT MAST	22 08 48.31029	159 17 43.50366	34718.844	521103.626	HI 4	0 04 37.65	0.9999955		
211591440007	KAI 1910	21 55 44.46404	159 22 50.89850	10599.690	512314.317	HI 4	0 02 40.25	0.9999919	509.	12.19
221593210012	KAILIU 1927	22 13 24.03104	159 34 50.12782	43187.690	491691.169	HI 4	-0 01 49.73	0.9999909	11 SC	11.63
211594110033	KAIOLE	21 53 42.66178	159 36 25.23586	6852.391	488941.925	HI 4	-0 02 23.66	0.9999915		
211601140004	KAL 1926	21 54 8.87545	160 12 29.21520	0.000	500000.000	HI 5	-0 00 55.66	0.0000000	2 SC	11.44
221593240003	KALA 1927	22 10 43.24627	159 39 2.48836	38247.639	484459.013	HI 4	-0 03 24.79	0.9999930	40.	11.80
211591410014	KALANIPUU	21 56 40.97996	159 21 15.23235	12340.374	515058.087	HI 4	0 03 16.11	0.9999928		
221592320035	KALEPA 1910	22 00 0.60925	159 21 29.73683	18480.195	514636.200	HI 4	0 03 11.15	0.9999926	216.16	12.16
221593320005	KALOLO 1927	22 05 13.90931	159 45 16.45174	28131.925	473728.863	HI 4	-0 05 44.60	0.9999985	15 SC	12.05
221592340002	KAMOKU 1910	22 11 13.79709	159 22 42.01613	39184.660	512546.428	HI 4	0 02 45.40	0.9999919	233.	11.66
211594140001	KANI 1910	21 54 21.89996	159 37 26.61120	8060.596	487181.138	HI 4	-0 02 46.62	0.9999920	1 SC	12.25
221592320016	KAP	22 04 21.87787	159 19 3.01486	26520.848	518835.125	HI 4	0 04 6.88	0.9999944		
221592320019	KAPAA CHURCH SPIRE	22 04 29.54338	159 19 9.04554	26756.421	518661.951	HI 4	0 04 4.64	0.9999943		
221592320015	KAPAA DERRICK	22 04 37.88277	159 18 53.74115	27013.455	519100.396	HI 4	0 04 10.42	0.9999945		
221592320013	KAPAA GRAY CHIMNEY	22 04 53.97222	159 18 47.56067	27508.559	519276.973	HI 4	0 04 12.79	0.9999946		
221592320018	KAPAA WEST TIN STACK	22 04 23.75711	159 19 7.64373	26578.492	518702.350	HI 4	0 04 5.15	0.9999943		
211594140031	KAU	21 58 25.20999	159 44 13.50763	15558.074	475513.724	HI 4	-0 05 19.37	0.9999974		
211591440011	KAUAI NORTH BASE 1910	21 58 32.23158	159 24 7.96263	15758.313	510099.443	HI 4	0 02 11.74	0.9999913	127.	12.26
211591440006	KAUAI SOUTH BASE 1910	21 57 1.58015	159 22 45.56138	12971.742	512465.614	HI 4	0 02 42.40	0.9999919	71.	12.20
211601130003	KAWAEWAE-KAW 1926	21 50 47.27255	160 12 59.73813	0.000	500000.000	HI 5	-0 01 6.88	0.0000000	89 SC	11.33
211601130002	KAWAIHOA-HOA 1926	21 46 52.60169	160 12 11.47922	0.000	500000.000	HI 5	-0 00 48.79	0.0000000	168 SC	11.26
221592330004	KAWAIKINI USGS 1962	22 03 23.01637	159 29 48.18163	24699.097	500338.860	HI 4	0 00 4.44	0.9999900	1588.	12.30
211591440009	KAWELIKOA 1910	21 54 14.58212	159 23 27.07263	7834.345	511278.160	HI 4	0 02 26.58	0.9999916	212.	12.19
221592320011	KEA 1927	22 06 19.94462	159 18 27.96117	30153.646	519835.500	HI 4	0 04 20.42	0.9999949	38.	11.81
221592320012	KEALIA 1910	22 06 25.88867	159 18 41.38626	30335.996	519450.478	HI 4	0 04 15.39	0.9999947	44 SC	11.81
221592320008	KEALIA BLACK CHIMNEY	22 05 56.53211	159 18 27.25782	29433.535	519856.570	HI 4	0 04 20.62	0.9999949		
221592320009	KEALIA CATHOLIC CHURCH SPIRE	22 05 29.03881	159 18 27.50941	28587.871	519850.427	HI 4	0 04 20.44	0.9999949		
221592320010	KEALIA CHURCH SPIRE	22 05 29.43615	159 18 27.52090	28600.093	519850.082	HI 4	0 04 20.43	0.9999949		
221592320007	KEALIA GRAY CHIMNEY	22 05 56.91166	159 18 26.59916	29445.234	519875.435	HI 4	0 04 20.87	0.9999949		
211594140038	KEIKEI 1927	21 58 17.89029	159 43 51.49138	15331.968	476145.011	HI 4	-0 05 11.10	0.9999970	5 SC	12.20
211594410008	KEKAHA AR TRAINING STA RAD MST	21 59 1.74866	159 45 29.42403	16685.462	473337.644	HI 4	-0 05 47.93	0.9999988		
211594140029	KEKAHA MILL CHIMNEY	21 58 4.51136	159 42 37.99059	14917.417	478253.146	HI 4	-0 04 43.56	0.9999958		
211594410009	KEKAHA USN RAD CEN OF 9 1967	21 59 1.74615	159 45 29.41618	16685.384	473337.869	HI 4	-0 05 47.92	0.9999988	6 SC	12.17
211594410001	KEKAHA USN RAD CEN OF N3 1967	21 59 5.83657	159 45 28.77441	16811.168	473356.491	HI 4	-0 05 47.70	0.9999988	6 SC	12.17
211594410002	KEKAHA USN RAD CEN OF S3 1967	21 58 57.29543	159 45 31.51115	16548.590	473277.539	HI 4	-0 05 48.69	0.9999988	6 SC	12.17
211594410005	KEN	21 59 29.20616	159 45 58.15620	17531.420	472514.870	HI 4	-0 05 58.80	0.9999993		
211591410018	KEOPAWEO 1927	21 56 27.52984	159 21 45.00692	11925.887	514204.082	HI 4	0 03 4.96	0.9999925	357.	12.16
211594140027	KIKIAOLA BOUNDARY 1967	21 57 37.86251	159 41 52.32499	14096.003	479562.243	HI 4	-0 04 26.39	0.9999952	4 SC	12.23
221592310013	KIKOO 1910	22 09 1.31268	159 19 48.87850	35114.358	517510.670	HI 4	0 03 50.42	0.9999938	455.	11.70
221592340006	KIL 1910	22 13 54.47553	159 24 8.14723	44125.172	510075.939	HI 4	0 02 13.13	0.9999913	50 SC	11.49
221593240002	KILA 1910	22 08 29.92442	159 38 27.10590	34145.849	485468.834	HI 4	-0 03 11.13	0.9999926	1289 SC	11.97
221592340004	KILAUEA 1910	22 13 23.89729	159 23 42.09139	43185.116	510822.748	HI 4	0 02 22.93	0.9999914	174.	11.52
221592340003	KILAUEA LANDING STACK	22 13 26.14765	159 22 57.80508	43255.265	512090.990	HI 4	0 02 39.69	0.9999918		
221592340005	KILAUEA LIGHT	22 13 53.99891	159 24 7.04643	44110.532	510107.472	HI 4	0 02 13.54	0.9999913		

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NAD 83 GEODETIC AND STATE PLANE COORDINATES

QIDQSN	STATION NAME	LATITUDE (NORTH)	LONGITUDE (WEST)	NORTHING METERS*	EASTING METERS*	ZONE	CONVERGENCE	SCALE FACTOR	ELEV. GEOID (M)	HT (M)
221592340008	KILAUEA MILL CHIMNEY	22 12 37.87586	159 24 27.28435	41768.702	509529.350	HI 4	0 02 5.77	0.9999911		
211591440013	KILOHANA 1910	21 59 39.35217	159 25 53.76028	17821.165	507063.338	HI 4	0 01 32.22	0.9999906	345.44	12.32
211591410004	KIN	21 59 32.83988	159 19 57.24761	17628.741	517290.067	HI 4	0 03 45.72	0.9999937		
211591440025	KOA	21 54 13.26868	159 23 25.11662	7793.987	511334.332	HI 4	0 02 27.31	0.9999916		
221593240035	KOKEE	22 07 35.21529	159 39 54.72848	32465.595	482956.168	HI 4	-0 03 44.01	0.9999936	1144.34	12.01
211594140003	KOKI	21 55 7.67599	159 38 15.42922	9469.761	485781.199	HI 4	-0 03 4.94	0.9999925		
211594410007	KOKOLE 1910	21 58 44.17570	159 45 22.04131	16144.593	473548.528	HI 4	-0 05 45.09	0.9999986	12.02	12.18
211594410006	KOKOLE POINT LIGHT	21 58 44.42183	159 45 22.02778	16152.163	473548.929	HI 4	-0 05 45.09	0.9999986		12.18
221593240001	KOLALAU 1910	22 10 28.00675	159 37 34.66310	37776.593	486974.608	HI 4	-0 02 51.60	0.9999921	1182 SC	11.84
221593320002	KOLO 1964	22 04 13.30621	159 45 6.15707	26267.368	474020.895	HI 4	-0 05 40.49	0.9999983	324 SC	12.09
211591440016	KOLOA CHURCH SPIRE	21 53 39.10487	159 27 27.31647	6739.743	504382.761	HI 4	0 00 56.93	0.9999902		
211591410011	KUKII POINT LIGHT	21 57 23.94788	159 20 52.64875	13662.611	515704.808	HI 4	0 03 24.66	0.9999930		
211591440017	LAUKAHI 1910	21 56 21.60689	159 27 32.44231	11737.907	504234.290	HI 4	0 00 55.13	0.9999902	424.	12.33
211601130005	LAKE	21 47 30.40489	160 13 55.98070	0.000	500000.000	HI 5	-0 01 27.60	0.0000000	2 SC	11.17
221592340017	LAN	22 13 46.23604	159 28 36.79737	43868.664	502382.695	HI 4	0 00 31.48	0.9999901		
211594110023	LANI 1910	21 56 59.46132	159 35 11.90053	12904.193	491050.412	HI 4	-0 01 56.59	0.9999910	311.86	12.32
221593320011	LAPA	22 04 5.78379	159 46 28.40283	26040.057	471662.518	HI 4	-0 06 11.36	0.9999999	27.18	12.07
221593320024	LAUNCHER 10 A	22 03 38.61045	159 46 46.25553	25205.173	471149.147	HI 4	-0 06 17.94	1.0000003	5.15	12.09
221593320028	LAUNCHER 608	22 03 36.59485	159 46 47.99612	25143.268	471099.127	HI 4	-0 06 18.59	1.0000003	4.29	12.09
221593320029	LAUNCHER 609	22 03 38.41842	159 46 48.24907	25199.371	471091.978	HI 4	-0 06 18.69	1.0000003	4.56	12.09
221593320025	LAUNCHER 610	22 03 37.86794	159 46 46.36752	25182.340	471145.894	HI 4	-0 06 17.98	1.0000003	5.08	12.09
221593320026	LAUNCHER 611	22 03 39.69268	159 46 46.62112	25238.480	471138.726	HI 4	-0 06 18.08	1.0000003	5.26	12.08
221593320022	LAUNCHER 612	22 03 39.19008	159 46 44.78144	25222.924	471191.444	HI 4	-0 06 17.39	1.0000003	4.59	12.09
221593320023	LAUNCHER 613	22 03 40.96950	159 46 44.99280	25277.668	471185.484	HI 4	-0 06 17.48	1.0000003	4.57	12.08
221593320019	LAUNCHER 614	22 03 40.46481	159 46 43.15391	25262.048	471238.180	HI 4	-0 06 16.78	1.0000002	4.76	12.09
221593320021	LAUNCHER 615	22 03 43.75584	159 46 44.73094	25363.358	471193.149	HI 4	-0 06 17.39	1.0000002	7.34	12.08
221593320017	LAUNCHER 616 1967	22 03 41.73788	159 46 41.52385	25301.120	471284.987	HI 4	-0 06 16.18	1.0000002	5.69	12.09
221593320016	LAUNCHER 619	22 03 46.30624	159 46 41.47123	25441.634	471286.752	HI 4	-0 06 16.18	1.0000002	5.93	12.08
221593320027	LAUNCHER 8A	22 03 37.22088	159 46 47.69599	25162.508	471107.768	HI 4	-0 06 18.48	1.0000003	4.19	12.09
211594110028	LAVA	21 53 46.32554	159 35 50.77460	6964.422	489931.197	HI 4	0 02 10.81	0.9999913		
211594110001	LAW	21 53 4.86560	159 30 4.46370	5686.018	499871.862	HI 4	-0 00 1.66	0.9999900		
221602220002	LEHUA 1926	22 01 8.33305	160 05 53.65428	0.000	500000.000	HI 5	0 01 32.36	0.0000000	215 SC	11.86
221592320006	LIA 1927	22 05 24.70349	159 18 19.80412	28454.804	520071.472	HI 4	0 04 23.32	0.9999950	10 SC	11.85
211591410020	LIHUE COUNTY BUILDING FLAGPOLE	21 58 30.11420	159 22 2.24601	15695.901	513706.132	HI 4	0 02 58.78	0.9999923		
211591440002	LIHUE MILL CHIMNEY	21 58 28.32904	159 22 20.44276	15640.549	513184.136	HI 4	0 02 51.96	0.9999921		
211591410019	LIHUE MUTUAL WIRELESS POLE	21 58 16.61135	159 21 50.43849	15280.877	514045.243	HI 4	0 03 3.17	0.9999924		
211591410017	LIHUE RADIO STATION KTOH MAST	21 58 48.64754	159 21 36.36461	16266.612	514448.115	HI 4	0 03 8.50	0.9999926		
221592320002	LIK	22 06 31.30768	159 17 46.48214	30504.705	521023.925	HI 4	0 04 36.07	0.9999955		
221592340001	LOG	22 12 55.22080	159 22 36.70836	42304.466	512695.940	HI 4	0 02 47.60	0.9999920		
221593240015	LOLO 1910	22 09 1.41207	159 41 48.54525	35120.782	479697.811	HI 4	-0 04 27.15	0.9999951	682 SC	11.88
221593240016	LOLO 2 1927	22 09 1.40028	159 41 48.54876	35120.419	479697.710	HI 4	-0 04 27.15	0.9999951	682.	11.88
221592310015	LOM	22 11 56.50155	159 19 59.26689	40502.637	517207.084	HI 4	0 03 46.97	0.9999937		
211591410012	LONG GRAY SHED EAST GABLE	21 56 53.88575	159 21 2.46726	12737.683	515423.992	HI 4	0 03 20.91	0.9999929		
211591410013	LONG GRAY SHED WEST GABLE	21 56 53.53220	159 21 3.61093	12726.776	515391.186	HI 4	0 03 20.49	0.9999929		
221593230003	LUA 1910	22 05 24.61109	159 40 45.12901	28450.026	481507.049	HI 4	-0 04 2.61	0.9999942	1060.	12.11

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NAD 83 GEODETIC AND STATE PLANE COORDINATES

QIDQSN	STATION NAME	LATITUDE (NORTH)	LONGITUDE (WEST)	NORTHING METERS*	EASTING METERS*	ZONE	CONVERGENCE	SCALE FACTOR	ELEV. GEOID (M)	HT (M)
221593240010	LUCKY 1967	22 07 46.82710	159 43 40.78658	32831.133	476478.270	HI 4	-0 05 9.20	0.9999968	481.	11.94
221593320050	M 33 RADAR	22 01 29.97495	159 46 59.34654	21249.226	470766.467	HI 4	-0 06 22.27	1.0000006	10 SC	12.13
211594110014	MAC	21 53 23.37805	159 33 31.45063	6256.577	493930.151	HI 4	-0 01 18.83	0.9999905		
211594140004	MAKA	21 56 17.26313	159 38 59.94876	11611.313	484505.580	HI 4	-0 03 21.73	0.9999930		
221593240014	MAKA 1927	22 08 19.18278	159 43 50.85026	33826.789	476191.379	HI 4	-0 05 13.11	0.9999970	12 SC	11.90
221593240018	MAKAHA 1910	22 07 19.56024	159 42 3.67648	31988.514	479260.107	HI 4	-0 04 32.52	0.9999953	818 SC	11.99
221593240017	MAKAHA 2	22 07 19.54265	159 42 3.67825	31987.973	479260.056	HI 4	-0 04 32.52	0.9999953	817.34	11.99
211591430002	MAKAHUENA POINT LIGHT	21 52 10.21981	159 26 41.37979	4006.265	505702.349	HI 4	0 01 13.98	0.9999904		
221593210019	MAKANA	22 13 6.09831	159 34 48.01685	42636.066	491751.333	HI 4	-0 01 48.91	0.9999908		
221593240033	MAKAW	22 08 6.39305	159 43 42.44309	33433.029	476431.702	HI 4	-0 05 9.89	0.9999969	453.40	11.92
211594140002	MAKEWELI MILL CHIMNEY	21 55 2.09037	159 37 47.83099	9297.269	486573.123	HI 4	-0 02 54.63	0.9999922		
221593240036	MAMU 1961	22 07 24.90142	159 39 55.52329	32148.379	482933.045	HI 4	-0 03 44.28	0.9999936	1151.55	12.02
221593320076	MANA 1910	22 02 5.64753	159 47 11.02458	22347.085	470433.611	HI 4	-0 06 26.81	1.0000008	10 SC	12.12
221593320074	MANA 2 1927	22 02 5.72066	159 47 10.90850	22349.328	470436.944	HI 4	-0 06 26.77	1.0000008	10 SC	12.12
211591410009	MAULU 1927	21 59 42.98325	159 20 10.60327	17940.318	516906.623	HI 4	0 03 40.75	0.9999935	15.	12.11
211594110024	MC BRYDE LANDING WHSE NW GABLE	21 54 2.08609	159 35 15.52341	7448.572	490943.342	HI 4	-0 01 57.69	0.9999910		
211594110016	MC BRYDE NEW SUGAR MILL STACK	21 53 51.22403	159 33 32.88101	7113.072	493889.421	HI 4	-0 01 19.39	0.9999905		
211594110015	MC BRYDE SUGAR MILL NW STACK	21 53 50.49811	159 33 32.00200	7090.735	493914.643	HI 4	-0 01 19.07	0.9999905		
221593240013	MILO	22 08 6.44196	159 43 43.21593	33434.566	476409.557	HI 4	-0 05 10.18	0.9999969		
221592310010	MOL	22 11 34.64649	159 19 38.11562	39831.077	517813.697	HI 4	0 03 54.90	0.9999939		
221592310009	MOLOAA 1910	22 11 15.09401	159 19 12.68343	39230.510	518542.909	HI 4	0 04 4.45	0.9999942	69.	11.49
221593320007	MOS	22 04 31.49209	159 46 5.75476	26829.653	472313.232	HI 4	-0 06 2.96	0.9999995		
221593320071	MPS 25 FEEDHORN	22 01 44.30388	159 46 59.07188	21689.947	470775.161	HI 4	-0 06 22.23	1.0000005	6.85	12.13
221593320049	MPS 26 RADAR 1968	22 01 30.27623	159 46 58.67511	21258.457	470785.740	HI 4	-0 06 22.02	1.0000005	10 SC	12.13
221593320077	MPS 26 RADAR 323101	22 01 30.95340	159 46 58.54231	21279.279	470789.587	HI 4	-0 06 21.97	1.0000005	7 SC	12.13
221593320047	MPS-26 RADAR 323102 1966	22 01 31.21008	159 46 58.18795	21287.155	470799.765	HI 4	-0 06 21.84	1.0000005	10 SC	12.13
221593240030	MW ANT DISH MARK	22 08 0.46544	159 43 38.66170	33250.540	476539.791	HI 4	-0 05 8.44	0.9999968	469.02	11.92
211594110006	N	21 53 31.77373	159 31 43.09489	6513.925	497040.632	HI 4	-0 00 38.44	0.9999901	111 SC	12.29
221593210014	NA 1910	22 10 8.21908	159 36 34.01148	37166.599	488711.746	HI 4	-0 02 28.68	0.9999916	1222 SC	11.87
211594140032	NAK	21 58 32.08921	159 44 44.48474	15771.068	474625.357	HI 4	-0 05 30.99	0.9999980		
211591410022	NAWILIWILI HARBOR LIGHTHOUSE	21 57 17.93586	159 20 8.90952	13478.988	516959.991	HI 4	0 03 41.00	0.9999936		12.09
221593210007	NIHA	22 13 20.70772	159 32 44.39994	43083.968	495291.799	HI 4	-0 01 2.18	0.9999903		
221593210008	NIHA 2 1927	22 13 22.79546	159 32 45.68538	43148.195	495255.005	HI 4	-0 01 2.66	0.9999903	3 SC	11.64
211591410021	NININI POINT LIGHT	21 57 17.83532	159 20 8.74549	13475.901	516964.701	HI 4	0 03 41.06	0.9999936		
221593320043	NOHILI 1910	22 03 50.40458	159 46 56.93106	25568.508	470843.733	HI 4	-0 06 22.00	1.0000005	25 SC	12.08
221593320044	NOHILI 2 1927	22 03 50.16167	159 46 57.34578	25561.058	470831.829	HI 4	-0 06 22.16	1.0000005	25 SC	12.08
211594110009	NOMILO 1910	21 53 12.41347	159 31 44.83382	5918.457	496990.603	HI 4	-0 00 39.08	0.9999901	38 SC	12.29
221592320034	NONOU 1910	22 03 40.24810	159 21 17.44316	25236.241	514982.408	HI 4	0 03 16.27	0.9999928	379.	12.08
221593320039	NORTH HOUSE NORTHWEST GABLE	22 00 44.74492	159 46 56.00058	19857.843	470859.856	HI 4	-0 06 20.81	1.0000005		
211591440018	NUK	21 52 32.65772	159 27 44.81281	4695.853	503881.030	HI 4	0 00 50.37	0.9999902		
211594110013	NUMILA RADIO STATION KUIAI MAST	21 53 26.00389	159 33 17.01438	6337.189	494344.583	HI 4	-0 01 13.45	0.9999904		
221593320003	OHAIULA 1964	22 03 0.75904	159 45 11.56587	24036.179	473862.122	HI 4	-0 05 42.22	0.9999984	308.	12.13
221592320020	OL	22 03 29.29133	159 19 12.97776	24903.028	518551.403	HI 4	0 04 2.99	0.9999943		
211594110037	OLD	21 53 55.51748	159 35 13.94432	7246.510	490988.552	HI 4	-0 01 57.09	0.9999910		
211594110027	OLD GOVT WHARF SOUTHEAST COR	21 54 10.70266	159 35 30.99657	7713.858	490499.365	HI 4	-0 02 3.47	0.9999911		

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* For conversion of meters to International Feet multiply the meters by 100.0/30.48 which is 3.28083989501 to 12 significant figures

NAD 83 GEODETIC AND STATE PLANE COORDINATES

QIDQSN	STATION NAME	LATITUDE (NORTH)	LONGITUDE (WEST)	NORTHING METERS*	EASTING METERS*	ZONE	CONVERGENCE	SCALE FACTOR	ELEV. GEOID (M)	HT (M)
211594140037	OOMANO	21 57 38.21596	159 42 17.70921	14107.831	478833.941	HI 4	-0 04 35.88	0.9999955	3.23	12.22
211594140035	OOMANO 1967 RM 1	21 57 38.04388	159 42 17.47191	14102.529	478840.743	HI 4	-0 04 35.79	0.9999955	4 SC	12.22
221593230004	OPAE 1910	22 02 11.30605	159 42 24.57204	22507.867	478648.393	HI 4	-0 04 39.36	0.9999956	654.	12.20
211591440014	PAA 1910	21 53 26.71903	159 26 24.27371	6359.386	506192.545	HI 4	0 01 20.43	0.9999905	106 SC	12.26
221592320003	PAL	22 06 14.71972	159 17 51.83602	29994.277	520871.151	HI 4	0 04 34.00	0.9999954		
221593210013	PALI 1910	22 09 45.96610	159 35 50.17095	36481.270	489967.320	HI 4	-0 02 12.10	0.9999912	1251 SC	11.91
211594140030	PALM	21 58 18.25342	159 43 30.30159	15342.232	476752.952	HI 4	-0 05 3.18	0.9999967		
211601110001	PANIAU 1926	21 56 19.13602	160 04 59.99943	0.000	500000.000	HI 5	0 01 52.08	0.0000000	353 SC	11.88
221592310006	PAP	22 10 16.60187	159 18 42.88422	37432.391	519398.764	HI 4	0 04 15.53	0.9999946		
221592310007	PAPAA 1927	22 10 16.27669	159 18 43.26820	37422.375	519387.775	HI 4	0 04 15.38	0.9999946	27.	11.54
211594110035	PAPAI 1910	21 55 51.13482	159 36 45.78350	10804.364	488355.013	HI 4	-0 02 31.56	0.9999917	148 SC	12.29
211594110036	PAW 1910	21 54 6.86210	159 36 52.98810	7597.314	488145.861	HI 4	-0 02 34.05	0.9999917	6 SC	12.26
221593320012	PEACH	22 03 45.10689	159 46 35.46059	25404.430	471459.018	HI 4	-0 06 13.92	1.0000001	5.62	12.09
221593320013	PEAR	22 03 37.43575	159 46 39.60966	25168.693	471339.629	HI 4	-0 06 15.44	1.0000001	4.30	12.09
221593230007	PELE 1910	22 04 50.50322	159 39 59.36174	27399.430	482817.847	HI 4	-0 03 45.31	0.9999936	1117.	12.15
211591440010	PIHAKAPU	21 54 23.84526	159 23 55.08526	8118.708	510473.927	HI 4	0 02 16.15	0.9999914	262 SC	12.21
221593210016	PIHEA 1910	22 09 17.80652	159 37 2.75963	35616.587	487886.925	HI 4	-0 02 39.43	0.9999918	1307.	11.93
211601110003	PIN	21 57 19.11276	160 06 29.98190	0.000	500000.000	HI 5	0 01 18.52	0.0000000		
221592310014	PINE 1927	22 12 0.19247	159 19 55.56788	40616.282	517312.911	HI 4	0 03 48.38	0.9999937	49.	11.46
221592340011	PINNACLE 1910	22 08 59.80255	159 24 43.13359	35060.757	509079.300	HI 4	0 01 59.47	0.9999910	783 SC	11.90
221592310011	PINNACLE PEAK-NYE	22 08 54.36888	159 19 38.73745	34901.102	517801.488	HI 4	0 03 54.22	0.9999939		
211594110010	POHAKEA 1910	21 56 32.75140	159 32 28.03018	12080.692	495752.243	HI 4	-0 00 55.32	0.9999902	437.	12.34
221592330002	POHAKUPILI 1910	22 06 52.74921	159 23 36.94692	31153.983	510978.509	HI 4	0 02 24.20	0.9999915	791 SC	12.01
211591410016	POINT	21 55 56.26436	159 21 21.28460	10964.850	514885.711	HI 4	0 03 13.75	0.9999927		
211594140033	POINT 1926	21 57 45.59995	159 39 48.73258	14329.809	483108.571	HI 4	-0 03 40.19	0.9999935	86 SC	12.27
211594140036	POINT 2	21 57 38.44591	159 42 17.58486	14114.899	478837.519	HI 4	-0 04 35.84	0.9999955		
211594140034	POINT 3 1962	21 57 45.34264	159 39 48.95020	14321.901	483102.319	HI 4	-0 03 40.27	0.9999935	86.	12.27
211591430001	POIPU LORAN TRANSM STA MAST	21 52 9.26652	159 26 37.96386	3976.979	505800.431	HI 4	0 01 15.26	0.9999904		
221593230005	POLIHAE 1966	22 05 51.78529	159 43 45.93203	29292.817	476325.479	HI 4	-0 05 10.71	0.9999969	519 SC	12.04
221592320021	POLO 1927	22 03 17.56761	159 19 25.56934	24542.004	518190.794	HI 4	0 03 58.23	0.9999941	5.	12.00
221592340016	POOKU-HANAIEI LAT STA 1910	22 12 20.51391	159 27 53.15959	41232.184	503632.975	HI 4	0 00 47.94	0.9999902	141.	11.72
211591440022	POST 1910	21 52 53.80787	159 28 55.80412	5346.014	501842.896	HI 4	0 00 23.93	0.9999900	2 SC	12.28
221593320062	POST 2	22 01 11.71756	159 47 9.31148	20688.189	470479.633	HI 4	-0 06 25.92	1.0000008		
221592310012	PROMINENT PEAK-PROM	22 09 35.50691	159 19 48.70959	36166.136	517514.335	HI 4	0 03 50.57	0.9999938		
211594110032	PUOLO 1910	21 53 33.85800	159 36 16.31364	6581.431	489197.851	HI 4	-0 02 20.32	0.9999914	4.0	12.25
221592310016	PUU AUAU HITS 1962	22 10 57.78157	159 19 59.37209	38696.470	517206.057	HI 4	0 03 46.77	0.9999937	101.	11.55
221592310019	PUU EHU 1910	22 09 24.21811	159 20 57.64668	35816.823	515539.530	HI 4	0 03 24.54	0.9999930	594 SC	11.72
221592340010	PUU EU	22 07 51.10660	159 24 35.33899	32947.893	509303.895	HI 4	0 02 2.31	0.9999911		
221592320024	RACE	22 03 11.28832	159 19 38.97740	24348.423	517806.567	HI 4	0 03 53.17	0.9999939		
221592320030	RAIN	22 01 51.58556	159 20 16.31419	21895.724	516738.611	HI 4	0 03 38.95	0.9999935		
221593240019	RAIN GAGE 1967	22 07 32.58497	159 42 57.23242	32391.241	477725.808	HI 4	-0 04 52.74	0.9999961	1151.60	11.96
221593320056	RANGE C 1967	22 03 6.13207	159 47 2.19091	24207.028	470690.394	HI 4	-0 06 23.78	1.0000006	5 SC	12.10
221593320059	RANGE D 1967	22 02 33.20333	159 47 6.35764	23194.410	470569.027	HI 4	-0 06 25.19	1.0000007	7 SC	12.11
211594410004	RANGE E 1967	21 58 59.74120	159 45 42.63797	16624.360	472958.468	HI 4	-0 05 52.87	0.9999990	3 SC	12.17
211594140028	RANGE F 1967	21 57 36.74135	159 41 52.84164	14061.537	479547.375	HI 4	-0 04 26.58	0.9999952	4 SC	12.23

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NAD 83 GEODETIC AND STATE PLANE COORDINATES

QIDQSN	STATION NAME	LATITUDE (NORTH)	LONGITUDE (WEST)	NORTHING METERS*	EASTING METERS*	ZONE	CONVERGENCE	SCALE FACTOR	ELEV. GEOID (M)	HT (M)
221592310021	RED	22 12 51.44266	159 21 12.09097	42190.411	515119.511	HI 4	0 03 19.59	0.9999928		
211594110020	REEF	21 53 36.94458	159 34 32.06256	6674.613	492190.445	HI 4	-0 01 41.45	0.9999908		
221592320027	REN	22 02 36.73941	159 20 7.77832	23284.843	516981.902	HI 4	0 03 42.27	0.9999936		
211591410008	REZ	21 57 45.04372	159 20 2.69919	14312.965	517137.280	HI 4	0 03 43.39	0.9999936		
221593320008	RIC	21 59 58.30780	159 46 10.12408	18427.139	472173.141	HI 4	-0 06 3.41	0.9999996		
221592340019	ROAN 1927	22 11 29.18548	159 28 47.74542	39653.096	502069.731	HI 4	0 00 27.29	0.9999901	281.	11.80
211601130004	ROB	21 50 44.50940	160 13 7.19312	0.000	500000.000	HI 5	-0 01 9.66	0.0000000		
211601140005	ROBINSONS YARD HIGHEST TREE	21 53 8.21779	160 13 17.95585	0.000	500000.000	HI 5	-0 01 13.79	0.0000000		
211601140006	ROCK	21 53 34.24063	160 13 45.24251	0.000	500000.000	HI 5	-0 01 23.99	0.0000000		
211594140012	ROCKY	21 56 55.65825	159 39 54.65080	12793.883	482937.115	HI 4	-0 03 42.27	0.9999936		
211594410003	ROPE	21 58 59.40032	159 45 41.58859	16613.824	472988.554	HI 4	-0 05 52.47	0.9999990		
221592310020	RUDDY 1927	22 12 51.24042	159 21 2.16470	42184.468	515403.810	HI 4	0 03 23.34	0.9999929	13.	11.45
211594110025	SAND	21 54 13.53974	159 35 20.31589	7800.940	490805.984	HI 4	-0 01 59.49	0.9999910		
211601140003	SAND	21 55 35.94402	160 10 36.25401	0.000	500000.000	HI 5	-0 00 13.54	0.0000000		
221593320068	SANDIA	22 03 33.17843	159 46 54.90515	25038.548	470900.839	HI 4	-0 06 21.17	1.0000005	3.77	12.09
221593320067	SANDIA 1 LAUNCHER 1964	22 03 33.31094	159 46 54.75580	25042.616	470905.129	HI 4	-0 06 21.11	1.0000005		12.09
221593320033	SANDIA 2 LAUNCHER 1964	22 03 32.80966	159 46 52.91853	25027.100	470957.778	HI 4	-0 06 20.42	1.0000004		12.09
221593320035	SANDS	22 02 29.26727	159 46 55.05747	23072.741	470892.840	HI 4	-0 06 20.93	1.0000005	3.50	12.12
221593320041	SILVER	22 02 2.98604	159 46 56.36461	22264.439	470853.862	HI 4	-0 06 21.30	1.0000005	4.41	12.13
211591440021	SMALL WHITE HOUSE	21 52 53.58286	159 28 30.41088	5339.195	502571.871	HI 4	0 00 33.39	0.9999901		
221593320036	SOUTH HOUSE SOUTHWEST GABLE	22 00 43.39026	159 46 55.05521	19816.126	470886.894	HI 4	-0 06 20.45	1.0000005		
221592320001	SPALD	22 07 12.43506	159 17 40.32773	31769.965	521198.614	HI 4	0 04 38.52	0.9999956		
221593320042	SPS 10 RADAR	22 01 32.68217	159 46 56.58582	21332.349	470845.795	HI 4	-0 06 21.25	1.0000005		
221592340022	STAFF	22 12 35.14966	159 29 45.34562	41681.947	500419.720	HI 4	0 00 5.54	0.9999900		
221593240038	STATION 719 ANNA VAN	22 07 34.60021	159 39 54.32320	32446.663	482967.762	HI 4	-0 03 43.85	0.9999936	1148.	12.01
211594110030	STOLE	21 53 49.22390	159 35 53.76511	7053.624	489845.413	HI 4	-0 02 11.93	0.9999913		
221593320060	TACAN	22 02 15.42712	159 47 6.64238	22647.655	470559.841	HI 4	-0 06 25.21	1.0000007	7.40	12.12
211594140021	TALL TREE	21 57 22.37054	159 40 25.89891	13616.492	482041.413	HI 4	-0 03 54.02	0.9999940		
221592310017	TAN	22 12 31.12493	159 20 49.67808	41566.093	515762.056	HI 4	0 03 28.01	0.9999931		
221592320014	TANK POST	22 05 22.01189	159 18 49.16972	28370.962	519229.791	HI 4	0 04 12.27	0.9999946		
221593320009	THORN 1927	22 00 4.91432	159 46 13.14623	18630.497	472086.813	HI 4	-0 06 4.57	0.9999996	4 SC	12.16
221593210009	TIT	22 12 55.81896	159 34 11.98519	42319.373	492783.117	HI 4	-0 01 35.27	0.9999906		
221593320034	TM ANTENNA 1967	22 01 36.55812	159 46 54.78543	21451.472	470897.648	HI 4	-0 06 20.59	1.0000005		12.13
221593320065	TM BORESIGHT ANTENNA 1967	22 01 58.61490	159 46 52.94230	22129.808	470951.756	HI 4	-0 06 20.00	1.0000004	4 SC	12.13
221593320066	TM TARGET BOARD 1967	22 01 58.68545	159 46 52.94913	22131.978	470951.564	HI 4	-0 06 20.00	1.0000004		12.13
221593320004	TOE	22 05 15.08339	159 45 15.60072	28167.997	473753.319	HI 4	-0 05 44.29	0.9999985		
221593240021	USNHO	22 07 47.41403	159 43 21.17565	32848.354	477040.299	HI 4	-0 05 1.81	0.9999965	547.54	11.94
221592320004	VANE	22 05 57.68604	159 18 7.42901	29469.757	520424.893	HI 4	0 04 28.08	0.9999952		
221593240034	VERLORT RADAR CENTER AXIS	22 07 34.45411	159 39 53.70813	32442.150	482985.384	HI 4	-0 03 43.62	0.9999936	1151.60	12.01
211594110007	WAHIAWA 1904	21 54 39.99116	159 31 44.25734	8612.145	497007.659	HI 4	-0 00 38.91	0.9999901	248 SC	12.32
211594110019	WAHIAWA STABLES NORTH CUPOLA	21 54 14.93457	159 34 9.34675	7842.792	492843.029	HI 4	-0 01 33.02	0.9999906		
221592320031	WAI	22 01 5.66863	159 20 19.24449	20483.309	516656.069	HI 4	0 03 37.73	0.9999934		
211594140008	WAIMEA CHURCH	21 57 16.69647	159 39 41.69369	13440.580	483309.588	HI 4	-0 03 37.48	0.9999934		
211594140013	WAIMEA LATITUDE STATION 1910	21 57 25.12716	159 40 1.06784	13700.487	482753.971	HI 4	-0 03 44.75	0.9999937	19 SC	12.26
221593210010	WAINIHA 1910	22 11 3.47565	159 34 47.03777	38864.315	491777.390	HI 4	-0 01 48.38	0.9999908	984 SC	11.82

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NAD 83 GEODETIC AND STATE PLANE COORDINATES

QIDQSN	STATION NAME	LATITUDE (NORTH)	LONGITUDE (WEST)	NORTHING METERS*	EASTING METERS*	ZONE	CONVERGENCE	SCALE FACTOR	ELEV. GEOID (M)	HT (M)
221592320022	WAIPOULI FLAGSTAFF	22 03 18.20133	159 19 26.97002	24561.450	518150.610	HI 4	0 03 57.70	0.9999941		
221592320023	WAIPOULI WINDMILL	22 03 23.33115	159 19 29.89086	24719.138	518066.681	HI 4	0 03 56.62	0.9999940		
221592340009	WAIT	22 13 24.69696	159 24 33.33226	43208.765	509355.269	HI 4	0 02 3.55	0.9999911		
221592310003	WAL	22 09 29.25010	159 18 23.28715	35976.611	519962.060	HI 4	0 04 22.78	0.9999949		
211594110018	WALL	21 53 33.13338	159 33 59.66242	6556.959	493120.440	HI 4	-0 01 29.36	0.9999906		
211594140017	WAR	21 57 12.80588	159 40 14.08879	13321.921	482379.948	HI 4	-0 03 49.58	0.9999938		
221592340024	WARE	22 12 47.47967	159 29 46.16388	42061.204	500396.274	HI 4	0 00 5.23	0.9999900		
221593240031	WEATHER VANE 202 1966	22 08 6.23557	159 43 42.17224	33428.173	476439.456	HI 4	-0 05 9.79	0.9999969	455 SC	11.92
221593240022	WEATHER VANE 203 1967	22 07 47.45825	159 43 21.30827	32849.719	477036.501	HI 4	-0 05 1.86	0.9999965	547.54	11.94
221593240020	WEATHER VANE 204 1967	22 07 32.66130	159 42 57.34672	32393.594	477722.535	HI 4	-0 04 52.78	0.9999961	1151.60	11.96
221593210017	WES 1927	22 12 49.73492	159 31 4.61675	42130.678	498149.347	HI 4	-0 00 24.43	0.9999900	31 SC	11.69
221593210018	WEST	22 12 49.68027	159 31 4.61720	42128.997	498149.334	HI 4	-0 00 24.43	0.9999900		
211594140016	WHARF	21 57 13.49457	159 40 14.11090	13343.104	482379.337	HI 4	-0 03 49.59	0.9999938	1 SC	12.25
211594110002	WIND 1910	21 53 12.15301	159 30 33.26366	5910.190	499045.121	HI 4	-0 00 12.40	0.9999900	13 SC	12.29
221593320018	WINDMILL	22 00 39.61749	159 46 43.00243	19699.448	471232.374	HI 4	-0 06 15.91	1.0000002		
211591410006	WIRELESS POLE	21 57 29.98940	159 19 58.76104	13850.046	517250.775	HI 4	0 03 44.82	0.9999937		

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* For conversion of meters to International Feet multiply the meters by 1000/3048 which is 3.28083990501 to 12 significant figures

