



GEODETTIC CONTROL DATA

**NAD 83 COORDINATES for
Geodetic Control Diagram Area**

MAUI

LATITUDE N20°30' to N21°30'

LONGITUDE W155°30' to W157°30'

Compiled and published by
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Rockville, MD
FEBRUARY 1987

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

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

Geodetic Control Diagram

MAUI

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)
211573420076	1 12	21 20 26.34425	157 50 2.76894	19272.498	517208.838	HI 3	0 03 37.34	0.9999937	131.16	10.55
211573420099	1 5	21 19 44.13516	157 50 43.99053	17973.119	516022.335	HI 3	0 03 22.23	0.9999932	74.46	10.55
211573430030	1 8	21 19 59.62452	157 53 41.14778	18445.297	510916.931	HI 3	0 02 17.82	0.9999915	2.63	10.53
211573430077	171 USN 1960	21 21 4.55121	157 57 41.04844	20439.004	504003.510	HI 3	0 00 50.59	0.9999902	2 SC	10.50
211573420148	2 1	21 17 57.24383	157 51 47.25854	14683.923	514202.014	HI 3	0 02 58.98	0.9999925	1.15	10.58
211573420057	2 10	21 17 35.33944	157 49 30.29507	14014.142	518150.391	HI 3	0 03 48.67	0.9999941	3.70	10.61
211573420041	2 5	21 16 55.20377	157 48 51.17719	12781.035	519279.367	HI 3	0 04 2.76	0.9999946	3.84	10.64
211573420065	2 6	21 17 48.24049	157 49 46.27105	14410.418	517689.475	HI 3	0 03 42.91	0.9999939	5.26	10.60
211573420094	2 9	21 17 20.35769	157 50 31.31501	13551.514	516392.032	HI 3	0 03 26.47	0.9999933	1.46	10.60
211573430076	214 USN 1960	21 20 57.44699	157 57 40.18994	20220.515	504028.299	HI 3	0 00 50.90	0.9999902	14.	10.50
211573430083	246 USN 1960	21 20 44.93113	157 57 54.72228	19835.483	503609.669	HI 3	0 00 45.60	0.9999902	4 SC	10.50
211573130019	3 12	21 16 25.68769	157 41 52.20950	11891.911	531358.259	HI 3	0 06 34.68	1.0000021	72.89	10.77
211573130015	3 13	21 16 22.55018	157 41 20.17978	11797.208	532281.792	HI 3	0 06 46.29	1.0000029	60.97	10.78
211573420036	3 3	21 17 12.71869	157 48 26.23027	13320.579	519997.827	HI 3	0 04 11.87	0.9999949	30.31	10.64
211573420051	3 4	21 16 15.56963	157 49 21.39563	11561.064	518409.663	HI 3	0 03 51.67	0.9999942	2.51	10.64
211573420003	3 7	21 16 41.70714	157 45 6.47479	12374.841	525757.277	HI 3	0 05 24.26	0.9999982	2.04	10.71
211573130045	3 8	21 16 51.23136	157 44 17.47201	12670.046	527169.381	HI 3	0 05 42.08	0.9999991	1.59	10.71
211582120035	30188 1973	21 18 52.45519	157 59 55.47393	16375.817	500130.439	HI 3	0 00 1.65	0.9999900	1.69	10.52
211582120033	30188 1973 RM 1	21 18 51.55958	157 59 55.14498	16348.272	500139.919	HI 3	0 00 1.76	0.9999900	1.56	10.52
211582120036	30188 1973 RM 2	21 18 52.32195	157 59 57.27565	16371.719	500078.514	HI 3	0 00 0.99	0.9999900	1.56	10.52
211573430084	387 USN 1960	21 20 50.57175	157 57 56.22154	20008.955	503566.432	HI 3	0 00 45.06	0.9999902	4 SC	10.50
211573130008	4 1	21 18 47.25274	157 39 40.72305	16253.561	535139.367	HI 3	0 07 23.17	1.0000053	15.18	10.70
211573410007	4 10	21 22 50.11552	157 45 20.56678	23704.911	525333.480	HI 3	0 05 20.61	0.9999979	37.73	10.52
211573410023	4 11	21 22 37.55937	157 47 0.12735	23314.529	522466.000	HI 3	0 04 44.27	0.9999962	97.91	10.52
211573410029	4 19	21 24 10.75563	157 47 57.91922	26178.662	520797.509	HI 3	0 04 23.51	0.9999953	36.66	10.49
211573130016	4 2	21 19 48.32456	157 41 29.71694	18125.434	531994.480	HI 3	0 06 43.86	1.0000026	4.90	10.64
211573410031	4 23	21 24 47.81158	157 48 0.38792	27318.266	520724.954	HI 3	0 04 22.73	0.9999953	19.72	10.48
211573410038	4 26	21 25 38.54634	157 48 26.12822	28877.741	519981.709	HI 3	0 04 13.49	0.9999949	25.19	10.46
211573410043	4 27	21 26 38.85797	157 48 35.22138	30732.374	519717.598	HI 3	0 04 10.35	0.9999948	1.30	10.45
211573410058	4 29	21 29 44.18552	157 51 6.13250	36427.654	515366.837	HI 3	0 03 15.63	0.9999929	13.87	10.45
211574320002	4 30	21 31 21.32300	157 50 6.68955	39416.964	517074.695	HI 3	0 03 37.67	0.9999936	1.58	10.42
211573410054	4 32	21 27 35.21656	157 50 28.90717	32462.104	516442.354	HI 3	0 03 28.93	0.9999933	2.02	10.45
211573130035	4 6 SS	21 20 52.81863	157 43 19.38455	20103.127	528830.722	HI 3	0 06 4.26	1.0000003	6.52	10.58
211574340021	5 10	21 41 51.50823	157 59 31.65889	58790.362	500814.638	HI 3	0 00 10.48	0.9999900	4.33	9.68
211574330003	5 3	21 35 9.63946	157 53 15.28958	46434.359	511641.966	HI 3	0 02 28.89	0.9999917	2.01	10.26
211574330008	5 4	21 36 10.96562	157 53 55.99591	48319.742	510469.775	HI 3	0 02 14.02	0.9999914	2.27	10.19
211574330009	5 5	21 36 47.33957	157 54 43.37299	49437.656	509106.445	HI 3	0 01 56.63	0.9999910	2.35	10.15
211574340004	5 6	21 37 59.39194	157 55 16.55999	51653.239	508150.837	HI 3	0 01 44.49	0.9999908	3.51	10.05
211574340006	5 7	21 39 24.67721	157 55 51.08924	54275.868	507156.717	HI 3	0 01 31.86	0.9999906	3.65	9.92
211574340010	5 8	21 40 34.83665	157 56 50.73490	56433.081	505441.046	HI 3	0 01 9.91	0.9999904	2.72	9.81
211574340014	5 9 SS	21 41 1.72432	157 57 38.00117	57259.659	504082.011	HI 3	0 00 52.47	0.9999902	7.19	9.77
211573440009	9 19	21 23 50.32688	157 59 29.56299	25537.097	500876.685	HI 3	0 00 11.10	0.9999900	35.14	10.48
211573430059	9 25	21 20 23.28741	157 55 48.17536	19171.029	507256.204	HI 3	0 01 31.64	0.9999907	7.54	10.51
211572220017	A	21 04 51.78649	157 01 44.38183	82822.407	462350.025	HI 2	-0 07 49.18	0.9999842		
201561340017	ABE	20 40 46.95484	156 26 41.33192	38362.085	523114.188	HI 2	0 04 42.05	0.9999733	7 SC	15.14
211573410070	AERO OBSTRUCTION LT A	21 25 21.90223	157 45 24.90398	28373.083	525201.312	HI 3	0 05 19.63	0.9999978		

* 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)
211573410071	AERO OBSTRUCTION LT AA	21 25 34.68227	157 45 33.03438	28765.787	524966.565	HI 3	0 05 16.71	0.9999977		
211573410076	AERO OBSTRUCTION LT C	21 24 35.55290	157 45 56.76665	26946.161	524285.844	HI 3	0 05 7.81	0.9999973		
211573410079	AERO OBSTRUCTION LT D	21 24 16.38280	157 46 19.79692	26355.588	523623.406	HI 3	0 04 59.34	0.9999969		
211573410082	AERO OBSTRUCTION LT E	21 24 12.19447	157 46 41.51607	26225.875	522998.032	HI 3	0 04 51.39	0.9999965		
211573410086	AERO OBSTRUCTION LT G	21 25 38.46715	157 47 35.19445	28877.174	521448.478	HI 3	0 04 32.09	0.9999957		
211573410094	AERO OBSTRUCTION LT I	21 26 42.26158	157 49 21.61891	30835.489	518381.501	HI 3	0 03 53.40	0.9999942		
211573410090	AERO OBSTRUCTION LT J	21 26 22.66498	157 48 46.72471	30233.941	519386.964	HI 3	0 04 6.10	0.9999946		
211573410093	AERO OBSTRUCTION LT K	21 26 47.50281	157 49 12.92727	30996.974	518631.583	HI 3	0 03 56.59	0.9999943		
211573410092	AERO OBSTRUCTION LT L	21 26 57.32370	157 49 8.23290	31299.183	518766.402	HI 3	0 03 58.34	0.9999943		
211573410091	AERO OBSTRUCTION LT M	21 27 3.11721	157 49 1.44366	31477.596	518961.678	HI 3	0 04 0.84	0.9999944		
211573410102	AERO OBSTRUCTION LT N	21 25 21.31330	157 47 36.84773	28349.526	521401.562	HI 3	0 04 31.43	0.9999957	10.47	
211573410084	AERO OBSTRUCTION LT O	21 26 0.23812	157 47 16.20556	29547.496	521994.404	HI 3	0 04 39.11	0.9999960		
211573410095	AERO OBSTRUCTION LT P	21 26 49.39659	157 49 30.02424	31054.663	518139.233	HI 3	0 03 50.35	0.9999941		
211573410096	AERO OBSTRUCTION LT Q	21 26 57.12799	157 49 41.98775	31292.070	517794.499	HI 3	0 03 45.99	0.9999939		
211573410097	AERO OBSTRUCTION LT R	21 27 6.87451	157 49 48.56051	31591.629	517604.924	HI 3	0 03 43.62	0.9999938		
211573410098	AERO OBSTRUCTION LT S	21 27 12.57860	157 49 51.22646	31766.982	517527.975	HI 3	0 03 42.66	0.9999938		
211563320006	AHAINO 1889	21 05 38.68785	156 47 54.64116	84227.665	486301.103	HI 2	-0 02 50.82	0.9999690	511 SC	11.69
211573430098	AHUA OVERPASS	21 20 39.20947	157 53 34.52578	19662.888	511106.922	HI 3	0 02 20.30	0.9999915	9 SC	10.52
201552330018	AHUALOA	20 05 4.72296	155 29 11.82791	138512.726	501399.500	HI 1	0 00 16.54	0.9999667	359 SC	22.50
201561420009	AHUPAI 1950	20 50 40.19746	156 20 14.20932	56625.247	534280.769	HI 2	0 07 1.95	0.9999812	449.	12.49
201561210025	AHUULA 1950	20 40 4.60735	156 03 45.67986	37161.066	562932.431	HI 2	0 12 47.45	1.0000156	355.	15.54
211573440004	AIEA 1969	21 23 36.39619	157 56 9.05915	25109.982	506652.025	HI 3	0 01 24.24	0.9999905	82.	10.48
211573440002	AIEA MILL STACK	21 22 47.85703	157 55 37.02039	23617.522	507575.565	HI 3	0 01 35.87	0.9999907		
211573430055	AIRPORT 1969	21 19 18.46522	157 55 36.29387	17177.536	507599.491	HI 3	0 01 35.89	0.9999907	2.47	10.53
211572210013	AIRPORT BEACON MOLOKAI AIRPORT	21 09 24.07897	157 05 32.18460	91212.961	455797.004	HI 2	-0 09 13.00	0.9999908		
211572210014	AIRPORT RP 1962	21 09 9.93667	157 05 46.78922	90779.151	455374.483	HI 2	-0 09 18.18	0.9999913	135.95	11.53
201564420013	AK-CAIRN	20 45 58.29794	156 49 55.23406	47929.734	482783.171	HI 2	-0 03 31.04	0.9999703		
211573420032	AKAKA 1928	21 19 10.57738	157 48 4.24985	16946.186	520626.842	HI 3	0 04 20.23	0.9999953	100 SC	10.59
201553240002	AKOKOA 1913	20 13 10.35553	155 43 53.21136	153463.092	475814.195	HI 1	-0 04 47.97	0.9999739	29 SC	20.55
201564140011	AL	20 53 28.02786	156 41 7.86033	61751.625	498038.796	HI 2	-0 00 24.20	0.9999667		
201561240008	ALAEA 1877	20 44 18.35588	156 08 34.67551	44935.694	554542.479	HI 2	0 11 7.61	1.0000034	2330 SC	14.00
201554340004	ALAU FLAG	20 43 35.24417	155 58 47.88793	43673.318	571524.423	HI 2	0 14 34.93	1.0000299		
201554340003	ALAU FLAG 2 1950	20 43 41.42317	155 58 40.20806	43864.293	571745.820	HI 2	0 14 37.72	1.0000303	45.0	14.16
211573430045	ALIAMANU BOARD WTR TK	21 21 15.58474	157 54 47.02998	20780.348	509017.191	HI 3	0 01 53.96	0.9999910		
211573420124	ALLEN AND ROBINSON WAREHOUSE	21 17 42.55144	157 51 27.74250	14232.548	514764.922	HI 3	0 03 6.04	0.9999927		
211572240009	AMIKOPALA 1925	21 07 40.74967	157 11 23.33881	88065.325	445655.670	HI 2	-0 11 18.87	1.0000031	411 SC	11.61
211574340013	ANCHOR 1932	21 42 2.63829	157 57 33.90712	59133.218	504199.212	HI 3	0 00 54.02	0.9999902	3 SC	9.66
211574330016	ANTENNA	21 31 15.46142	157 59 49.46836	39227.676	500303.090	HI 3	0 00 3.86	0.9999900	387.73	10.45
211574330015	ANTENNA HUB	21 31 16.27231	157 59 49.24300	39252.617	500309.575	HI 3	0 00 3.95	0.9999900		10.45
201564120016	ANU 1950	20 49 17.11654	156 32 50.90922	54039.774	512406.701	HI 2	0 02 32.52	0.9999686	906.	13.09
201553220005	ANUENUE 1913	20 05 27.15991	155 31 58.96872	139202.959	496543.846	HI 1	-0 00 40.87	0.9999668	491.	22.44
201571110006	APPLE 1931	20 53 4.14583	157 02 29.55435	61062.547	460995.152	HI 2	-0 08 1.10	0.9999855	185.	12.33
211563310001	APUU	21 10 20.72254	156 45 13.21547	92898.218	490964.856	HI 2	-0 01 53.13	0.9999677	1 SC	10.98
211573430053	ARP 1956	21 19 18.77302	157 55 35.52004	17187.013	507621.787	HI 3	0 01 36.17	0.9999907	2.78	10.53
201552330019	AU 1877	20 05 54.59850	155 29 24.85143	140046.396	501021.050	HI 1	0 00 12.08	0.9999667	199 SC	22.29

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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)
201571110001	AWALUA BEACH SHIPWRECK F MAST	20 55 44.98320	157 00 1.26581	65999.454	465291.309	HI 2	-0 07 9.11	0.9999815		
201564420007	AWEHI 1962	20 47 29.16493	156 49 10.67535	50722.897	484074.657	HI 2	-0 03 15.47	0.9999698	47.	12.94
211572220015	B	21 04 53.65228	157 01 42.24703	82879.648	462411.775	HI 2	-0 07 48.42	0.9999841		
211573410042	B 4	21 25 56.92177	157 48 33.78848	29442.628	519760.426	HI 3	0 04 10.75	0.9999948	12.54	10.46
211573420122	B 5	21 17 39.50275	157 51 26.92219	14138.805	514788.651	HI 3	0 03 6.33	0.9999927	1.84	10.59
211573420011	BARN	21 17 7.60978	157 45 52.39662	13169.466	524432.314	HI 3	0 05 7.69	0.9999974		
201561440016	BAT	20 53 46.97816	156 27 50.64306	62347.587	521078.148	HI 2	0 04 20.15	0.9999722		
201561440014	BEACH	20 53 47.05360	156 27 43.21418	62350.179	521292.838	HI 2	0 04 22.80	0.9999723		
201564420004	BEACH 1931	20 49 48.35998	156 48 43.29911	55002.844	484870.228	HI 2	-0 03 6.08	0.9999695	2 SC	12.68
201564220012	BECK 1963	20 32 22.06356	156 34 13.04558	22822.676	510050.357	HI 2	0 02 1.73	0.9999679	331.	16.36
201561330008	BED	20 36 17.32276	156 26 26.99431	30070.769	523540.655	HI 2	0 04 46.11	0.9999735		
201561340012	BEG	20 40 2.07109	156 26 37.38886	36981.945	523230.200	HI 2	0 04 43.27	0.9999733	3 SC	15.31
211573130032	BELLOWS AFB COMM MAST	21 21 29.94254	157 42 50.81098	21246.384	529651.943	HI 3	0 06 14.83	1.0000009		
211573130033	BELLOWS AFB MICROWAVE TOWER	21 21 25.78618	157 42 54.48948	21118.358	529546.192	HI 3	0 06 13.47	1.0000008		
201564220008	BENCH	20 32 37.73579	156 33 7.27763	23305.862	511955.145	HI 2	0 02 24.83	0.9999684		
201564440008	BENCH MARK 26 M USGS 1962	20 54 53.35014	156 54 3.11322	64393.231	475637.301	HI 2	-0 05 0.98	0.9999740	3.94	12.25
201564440012	BENCH MARK 27 M USGS 1962	20 55 23.72356	156 56 16.42002	65333.391	471786.811	HI 2	-0 05 48.70	0.9999765	6.02	12.24
201561130010	BENCH MARK 35 M USGS 1950	20 46 20.65306	156 14 41.46725	48665.750	543921.211	HI 2	0 08 58.57	0.9999905	2087.34	13.45
201564230017	BENCH MARK 855 USGS 1963	20 32 28.65219	156 38 38.26745	23022.489	502367.548	HI 2	0 00 28.68	0.9999667	260.	15.91
211572240007	BENCH MARK NR MAUNA LOA 1962	21 08 31.97982	157 09 25.31316	89630.052	449066.263	HI 2	-0 10 36.73	0.9999987	422.	11.56
211573130036	BENCH MARK T 2 RESET 1969	21 20 47.15130	157 43 19.45067	19928.819	528829.125	HI 3	0 06 4.21	1.0000003	9.08	10.59
201553340015	BENCH MARK USGS NR KEHENA 1948	20 08 9.55448	155 53 11.73736	144243.284	459580.061	HI 1	-0 07 59.11	0.9999869	77.	22.91
201564220005	BERT	20 35 6.50162	156 32 49.33718	27881.110	512471.464	HI 2	0 02 31.42	0.9999686		
201561340027	BIG	20 38 1.56131	156 27 6.24444	33274.827	522399.925	HI 2	0 04 32.67	0.9999729		
211572220013	BILL	21 05 22.34544	157 01 38.24644	83761.829	462529.248	HI 2	-0 07 47.15	0.9999840		
211572220024	BLACK	21 06 7.74061	157 04 46.15643	85171.114	457109.235	HI 2	-0 08 55.07	0.9999894		
201564220021	BLACK 2 1963	20 31 21.01975	156 36 12.17632	20943.768	506600.179	HI 2	0 01 19.87	0.9999672	251.	16.24
211573430002	BLACK BEACON 3	21 17 40.41940	157 52 21.65158	14165.648	513211.139	HI 3	0 02 46.46	0.9999922		
211573420199	BLACK BEACON 5	21 17 48.96450	157 52 17.92325	14428.545	513318.388	HI 3	0 02 47.83	0.9999922		
211573420173	BLACK BEACON 7	21 17 56.79609	157 52 12.10909	14669.547	513485.771	HI 3	0 02 49.96	0.9999922		
211573420018	BLACK POINT DATUM POINT	21 15 44.02133	157 46 51.52552	10596.200	522731.472	HI 3	0 04 45.93	0.9999964		
211573130009	BLOW	21 17 12.30139	157 40 8.13760	13331.569	534355.407	HI 3	0 07 12.69	1.0000046	1.91	10.77
201564220011	BLOW 1904	20 33 35.26969	156 33 55.88404	25074.222	510546.087	HI 2	0 02 7.87	0.9999680	451 SC	16.27
201564220010	BLOW 2 1963	20 33 40.65689	156 33 55.19035	25239.902	510566.076	HI 2	0 02 8.12	0.9999680	449.	16.26
211582120034	BM 'HO 1 1973	21 18 52.77773	157 59 55.20891	16385.737	500138.076	HI 3	0 00 1.74	0.9999900	1.64	10.52
201564120009	BOLD	20 46 41.91446	156 31 23.87775	49268.885	514927.368	HI 2	0 03 3.10	0.9999694	25 SC	13.70
201564140019	BUD	20 54 57.93050	156 41 46.89622	64516.604	496911.147	HI 2	-0 00 38.16	0.9999668		
201552320002	C	20 00 41.21882	155 16 18.40263	130426.105	523880.240	HI 1	0 04 41.16	0.9999737	172 SC	20.08
201561430009	CAA INCLOSURE SE COR 1950	20 46 37.30999	156 27 0.13547	49135.785	522555.575	HI 2	0 04 36.64	0.9999730	40 SC	13.71
211572220022	CAB	21 06 13.24997	157 04 21.91991	85338.753	457809.146	HI 2	-0 08 46.38	0.9999887		
201553310011	CAIRN	20 08 10.70819	155 48 15.92114	144260.926	468171.526	HI 1	-0 06 17.28	0.9999792		
201571110011	CAIRN	20 53 28.83592	157 03 2.25573	61824.093	460051.820	HI 2	-0 08 12.91	0.9999864		
201564430003	CAIRN ON HILL	20 45 57.21937	156 53 17.70381	47903.576	476926.776	HI 2	-0 04 42.83	0.9999732		
211573410083	CALIB SITE 1	21 25 58.56645	157 47 10.55397	29496.303	522157.220	HI 3	0 04 41.17	0.9999961	2 SC	10.46
211573410075	CALIB SITE 2	21 26 14.95699	157 45 55.47307	30003.504	524318.528	HI 3	0 05 8.66	0.9999973	1 SC	10.45

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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)
211573410085	CALIB SITE 3	21 26 23.47394	157 47 29.88943	30261.612	521599.409	HI 3	0 04 34.18	0.9999958	1 SC	10.45
201561430026	CAMP	20 47 50.72301	156 29 45.14339	51387.735	517780.745	HI 2	0 03 38.31	0.9999706		
211572220001	CANE	21 05 1.40137	157 00 46.75031	83114.407	464014.173	HI 2	-0 07 28.50	0.9999827		
211573140017	CAPE	21 25 27.41654	157 44 21.17590	28545.630	527036.302	HI 3	0 05 42.93	0.9999990	12 SC	10.46
201561340006	CAR	20 39 50.58953	156 26 31.36863	36629.096	523404.935	HI 2	0 04 45.36	0.9999734	2 SC	15.36
211573420024	CARTER FLAGSTAFF	21 15 20.03127	157 47 35.55470	9856.663	521463.086	HI 3	0 04 29.88	0.9999957		
201553340003	CAST 1910	20 11 30.45191	155 53 41.51759	150423.171	458729.826	HI 1	-0 08 10.66	0.9999877	79.	21.93
211573140016	CASTLE 1932	21 27 19.58839	157 44 19.57534	31995.693	527076.645	HI 3	0 05 43.99	0.9999991	13 SC	10.43
201553310029	CATHOLIC CH E CROSS ON BELFRY	20 14 16.86777	155 50 3.41201	155526.770	465072.348	HI 1	-0 06 56.29	0.9999817		
201553310030	CATHOLIC CH W CROSS ON BELFRY	20 14 16.85864	155 50 3.51301	155526.495	465069.416	HI 1	-0 06 56.32	0.9999817		
201561440050	CATHOLIC CHURCH	20 53 33.97341	156 29 49.44136	61943.669	517645.335	HI 2	0 03 37.74	0.9999705		
201564220004	CHANGE	20 33 34.66691	156 32 47.39321	25057.030	512529.840	HI 2	0 02 31.92	0.9999686		
211573140024	CHISELED CROSS 1963	21 23 44.60710	157 43 13.20502	25386.976	528999.376	HI 3	0 06 7.29	1.0000004	7 SC	10.50
201561410012	CHURCH	20 55 37.34337	156 22 3.81372	65757.373	531095.126	HI 2	0 06 24.39	0.9999786		
211572310007	CLIFF 1950	21 13 16.68363	157 15 11.96980	98420.186	439096.502	HI 2	-0 12 44.50	1.0000125	47 SC	11.07
201564220024	CLOUD	20 34 45.08348	156 37 13.08402	27218.565	504833.866	HI 2	0 00 58.67	0.9999670		
201564230019	COB 2 1963	20 32 55.24607	156 38 44.14232	23840.284	502197.265	HI 2	0 00 26.63	0.9999667	217.	15.86
201561330005	COCO	20 37 5.67807	156 26 16.96951	31558.221	523828.836	HI 2	0 04 49.82	0.9999737		
201571110012	COE 1931	20 54 5.79197	157 03 35.77299	62962.978	459085.919	HI 2	-0 08 25.10	0.9999873	9 SC	12.27
201561340024	CONE	20 38 17.85125	156 26 52.69978	33776.308	522791.365	HI 2	0 04 37.50	0.9999731		
201564220002	CONE	20 34 9.91469	156 32 14.79555	26141.699	513473.127	HI 2	0 02 43.45	0.9999689		
211573410041	COOLIDGE	21 24 19.91565	157 48 32.70066	26459.139	519795.382	HI 3	0 04 10.84	0.9999948	88 SC	10.48
201561440004	COUNTRY CLUB FLAGPOLE	20 54 32.42135	156 24 18.07858	63754.005	527218.936	HI 2	0 05 36.16	0.9999758		
211573130007	COVE 1931	21 17 35.69200	157 39 30.13052	14053.303	535449.412	HI 3	0 07 26.62	1.0000055	2.0	10.76
211573420151	CREMATORY RED BRICK CHIMNEY	21 17 52.24988	157 51 48.42127	14530.302	514168.634	HI 3	0 02 58.55	0.9999925		
201564140015	CRUSHER	20 54 35.83778	156 41 18.97062	63837.048	497717.987	HI 2	-0 00 28.18	0.9999667		
211572220012	D	21 04 59.53797	157 01 35.34623	83060.208	462611.372	HI 2	-0 07 45.97	0.9999839		
201561340021	DAN	20 38 39.32409	156 26 45.08709	34436.951	523010.847	HI 2	0 04 40.26	0.9999732	2 SC	15.61
211573430047	DANJON ASTROLABE 1957	21 20 39.19506	157 54 58.36083	19660.980	508691.326	HI 3	0 01 49.79	0.9999909		10.51
211573420074	DE RUSSY 1927	21 16 43.88406	157 50 2.01683	12430.615	517237.718	HI 3	0 03 37.01	0.9999937	3 SC	10.62
211572310005	DERRICK	21 10 57.01509	157 15 6.09039	94123.965	439250.190	HI 2	-0 12 41.04	1.0000123		
211573420187	DIAMOND HEAD 1872	21 15 34.94666	157 48 42.31525	10312.988	519537.762	HI 3	0 04 5.73	0.9999947	233 SC	10.67
211573420188	DIAMOND HEAD 2 1969	21 15 34.94777	157 48 42.31530	10313.022	519537.761	HI 3	0 04 5.73	0.9999947	233.	10.67
211573420038	DIAMOND HEAD LIGHTHOUSE	21 15 20.59100	157 48 34.39020	9871.746	519766.776	HI 3	0 04 8.56	0.9999948		
211573420044	DILLINGHAM CENTER OF HOUSE	21 15 41.12766	157 48 58.16175	10502.549	519080.683	HI 3	0 03 60.00	0.9999945		
201561440021	DOCK	20 53 40.57713	156 28 0.06920	62150.392	520805.981	HI 2	0 04 16.76	0.9999720		
211573420194	DOVE AMERICAN FACTORS BUILDING	21 18 29.50879	157 51 48.78180	15676.213	514157.251	HI 3	0 02 58.50	0.9999925		
201564230004	DRY	20 34 17.05028	156 38 8.49175	26356.102	503229.429	HI 2	0 00 39.18	0.9999668		
211572220011	E	21 05 3.16496	157 01 31.50939	83171.504	462722.370	HI 2	-0 07 44.61	0.9999838		
201561340026	E USE	20 43 38.06677	156 27 0.87468	43623.493	522541.573	HI 2	0 04 35.75	0.9999729	50.0	14.45
201561340032	EAST POINT 1962	20 38 0.58340	156 29 37.29929	33239.538	518026.966	HI 2	0 03 39.43	0.9999707	9 SC	15.73
201564220028	EAT 2 1963	20 31 9.49222	156 33 48.61830	20591.391	510759.361	HI 2	0 02 10.18	0.9999681	202.	16.45
201564220006	EGG	20 35 31.55899	156 33 3.87693	28651.378	512049.863	HI 2	0 02 26.36	0.9999685		
201564220007	EGG 2 1963	20 35 30.02779	156 33 6.03605	28604.246	511987.374	HI 2	0 02 25.59	0.9999684	19.	16.07
211573420050	ELKS CLUB FS NEAR CEN OF ROOF	21 15 40.86704	157 49 16.98241	10493.912	518538.094	HI 3	0 03 53.17	0.9999942		

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

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Geodetic Control Diagram

MAUI

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)
201561340015	END	20 37 39.74245	156 26 39.13709	32604.897	523185.593	HI 2	0 04 42.14	0.9999733		
201564230027	ERR	20 31 26.34739	156 41 43.65040	21106.590	496997.219	HI 2	-0 00 36.34	0.9999668		
201564230026	ERR 2 1963	20 31 26.49213	156 41 43.48433	21111.040	497002.031	HI 2	-0 00 36.28	0.9999668	16.	15.55
201561340028	EVE	20 38 1.38611	156 27 7.83469	33269.379	522353.895	HI 2	0 04 32.11	0.9999728	4 SC	15.74
211572240018	EVE	21 11 17.65520	157 14 49.22773	94756.975	439738.927	HI 2	-0 12 35.14	1.0000115		
211573430058	F 10	21 22 9.04576	157 59 17.14515	22422.137	501234.595	HI 3	0 00 15.62	0.9999900		
211573430087	EWA AIR FORCE CALIB TOWER	21 23 30.95170	157 58 48.94335	24941.302	502046.738	HI 3	0 00 25.92	0.9999901	27.	10.48
211573440008	EWA CHURCH 1873	21 19 5.30730	157 55 47.06918	16772.715	507289.148	HI 3	0 01 31.95	0.9999907	2.89	10.53
211573430058	F 10	21 32 30.86625	157 50 31.58748	41555.127	516356.001	HI 3	0 03 28.71	0.9999933	2 SC	10.39
211574320005	F 4	20 38 12.41109	156 27 9.75152	33608.352	522297.957	HI 2	0 04 31.47	0.9999728	4 SC	15.70
201561340029	FAR	20 52 56.92552	156 19 37.87895	60832.311	535322.203	HI 2	0 07 15.63	0.9999821	350.	11.95
201561410008	FIELD TWO TEN 1950	20 51 0.96802	156 23 53.26928	57252.254	527946.723	HI 2	0 05 44.09	0.9999763	138.90	12.60
201561430001	FILTRATION	20 45 45.14997	156 27 33.32326	47530.446	521597.760	HI 2	0 04 24.69	0.9999724		
201561430017	FISH	20 53 52.25911	157 02 56.02662	62544.017	460233.562	HI 2	-0 08 10.84	0.9999862		
201571110010	FLAG	21 05 11.85356	157 01 25.48495	83438.327	462896.858	HI 2	-0 07 42.50	0.9999837		
211572220007	FLAG	20 53 51.79230	157 02 55.00023	62529.590	462863.190	HI 2	-0 08 10.47	0.9999862	126.	12.29
201571110009	FLAG 2 1962	21 23 57.85097	157 43 12.50640	25794.342	529018.773	HI 3	0 06 7.60	1.0000004	2 SC	10.49
211573140007	FLAT 1926	20 53 50.11356	156 28 52.24985	62441.861	519297.619	HI 2	0 03 58.18	0.9999713		
201561440033	FLY	21 04 55.38096	157 01 39.72607	82932.648	462484.662	HI 2	-0 07 47.52	0.9999841	1 SC	11.96
211572220014	FLY	20 35 16.43955	156 24 49.31978	28202.618	526371.751	HI 2	0 05 20.24	0.9999753		
201561330003	FOR	20 58 19.40498	156 37 8.56376	70713.101	504951.949	HI 2	0 01 1.36	0.9999670	514 SC	11.82
201564110024	FOREST RESERVE BORY MARK 1950	20 49 17.14166	156 32 50.49410	54040.556	512418.703	HI 2	0 02 32.67	0.9999686	627 SC	13.09
201564120015	FOREST SERVICE BORY MON 1950	21 17 54.24681	157 52 2.49232	14591.373	513763.016	HI 3	0 02 53.44	0.9999923		
211573420165	FORT ARMSTRONG FLAGSTAFF	21 17 56.02779	157 52 4.13901	14646.108	513715.508	HI 3	0 02 52.85	0.9999923		
211573420166	FORT ARMSTRONG LIGHT	21 16 52.48157	157 50 2.70501	12695.015	517217.602	HI 3	0 03 36.79	0.9999937		
211573420075	FORT DE RUSSY FLAGPOLE	21 17 2.89315	157 50 7.09536	13015.097	517090.712	HI 3	0 03 35.22	0.9999936		
211573420078	FORT DE RUSSY NORTH RADIO MAST	21 17 0.49568	157 50 6.52596	12941.378	517107.202	HI 3	0 03 35.42	0.9999936		
211573420077	FORT DE RUSSY SOUTH RADIO MAST	21 19 17.34594	157 57 34.93282	17141.880	504180.559	HI 3	0 00 52.75	0.9999902		
211573430074	FORT KAMEHAMEHA FLAGSTAFF	21 20 46.85498	157 53 13.69166	19898.450	511707.061	HI 3	0 02 27.90	0.9999917		
211573430017	FORT SHAFTER FLAGSTAFF	21 18 6.01708	157 52 7.36085	14953.257	513622.391	HI 3	0 02 51.70	0.9999923		
211573420195	FRONT RANGE LIGHTHOUSE	21 24 45.56806	157 44 38.28866	27257.719	526545.586	HI 3	0 05 36.50	0.9999987		
211573140020	G P WILCOX FLAGPOLE	20 37 41.76290	156 26 38.71461	32667.048	523197.739	HI 2	0 04 42.30	0.9999733		
201561340013	GABLE	21 17 8.60809	157 45 53.19888	13200.135	524409.143	HI 3	0 05 7.41	0.9999974		
211573420013	GABLE	20 52 4.76249	156 59 29.76946	59224.981	466187.653	HI 2	-0 06 56.69	0.9999808	528.	12.40
201564430023	GALE 1927	21 20 30.79820	157 45 6.20823	19420.723	525753.866	HI 3	0 05 25.28	0.9999982	203.0	10.58
211573420002	GAP 1952	20 54 7.69200	156 31 46.34362	62977.405	514265.933	HI 2	0 02 56.12	0.9999692		
201564110010	GAY 1	20 55 11.20416	156 32 5.59577	64930.157	513707.970	HI 2	0 02 49.39	0.9999690		
201564110012	GAY 2	20 54 52.64580	156 54 3.66992	64371.594	475621.183	HI 2	-0 05 1.17	0.9999740	10.	12.25
201564440011	GIL 2 1962	20 54 53.26539	156 54 3.21928	64390.629	475634.233	HI 2	-0 05 1.01	0.9999740		
201564440009	GIL-LARGE CAIRN	21 40 34.32617	157 56 24.48011	56417.653	506195.832	HI 3	0 01 19.60	0.9999905	17.57	9.81
211574340008	GOLF	20 37 28.73950	156 26 30.19518	32266.885	523444.937	HI 2	0 04 45.25	0.9999735	3 SC	15.85
201561340005	GOO	20 02 20.41226	155 38 52.40471	133466.895	484528.040	HI 1	-0 03 2.43	0.9999696		
201553230003	GREEN TANK	20 31 55.17151	156 32 23.18716	21997.865	513233.313	HI 2	0 02 40.22	0.9999688	173.	16.50
201564220026	GREY 2 1963	21 18 29.51095	157 51 48.77070	15676.280	514157.571	HI 3	0 02 58.51	0.9999925		
211573420193	HACKFIELD BUILDING FLAGSTAFF	21 09 38.79498	157 00 13.27176	91643.447	464998.579	HI 2	-0 07 17.98	0.9999818	515 SC	11.50
211572210017	HAHAEULE									

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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)
211572210018	HAHAEULE 2 1962	21 09 38.79692	157 00 13.26965	91643.507	464998.640	HI 2	-0 07 17.98	0.9999818	510.73	11.50
201561410009	HAIKU 1871	20 55 11.87336	156 19 53.17206	64981.535	534871.529	HI 2	0 07 10.92	0.9999817	194.	11.57
201564110009	HAK 1912	20 59 6.51401	156 31 38.11984	72167.453	514495.595	HI 2	0 02 59.74	0.9999693	83.	11.73
211563310005	HALAWA 1915	21 08 22.10451	156 45 32.98516	89250.526	490392.446	HI 2	-0 02 0.09	0.9999678	457 SC	11.28
211573440001	HALAWA BARREL 1927	21 23 21.58173	157 53 19.29372	24657.081	511542.279	HI 3	0 02 26.14	0.9999916	352.0	10.49
211572320003	HALE O LONO	21 05 14.77547	157 14 57.95155	83597.391	439446.356	HI 2	-0 12 34.85	1.0000120	51 SC	11.72
211572320004	HALE O LONO 2 1962	21 05 15.89791	157 14 59.52477	83632.078	439401.073	HI 2	-0 12 35.43	1.0000120	45.91	11.72
211572220002	HALEAHI 1962	21 05 15.03618	157 01 2.16580	83534.711	463570.144	HI 2	-0 07 34.12	0.9999831	3.0	11.93
201561310007	HALEAKALA 1 1871	20 42 49.51716	156 14 59.51189	42171.250	543416.021	HI 2	0 08 50.73	0.9999900	3019 SC	14.59
201561240011	HALEAKALA 2 1885	20 42 5.55909	156 10 23.84453	40841.794	551396.599	HI 2	0 10 27.88	0.9999993	2500.	14.81
211572320002	HALENA 1962	21 06 2.51727	157 14 51.10567	85064.979	439649.313	HI 2	-0 12 32.84	1.0000117	148.0	11.67
201561330004	HAM	20 36 55.19463	156 26 14.75139	31235.919	523893.511	HI 2	0 04 50.56	0.9999737	2 SC	15.96
201564230013	HANA 1963	20 30 51.97442	156 40 31.73291	20049.313	499080.632	HI 2	-0 00 11.12	0.9999667	59.	15.74
201561120005	HANA NORTHWEST BASE 1950	20 47 56.36183	156 02 19.87294	51678.893	565359.774	HI 2	0 13 22.58	1.0000194	22.	12.51
201561120003	HANA SOUTHEAST BASE 1950	20 47 4.82257	156 01 27.08894	50099.842	566892.572	HI 2	0 13 40.78	1.0000219	92.	12.83
201564140009	HANAKAHO HIGS 1961	20 55 21.50596	156 40 50.18970	65241.407	498549.791	HI 2	-0 00 17.92	0.9999667	105 SC	12.08
201561240018	HANAKAUHI 2 1950	20 44 5.91148	156 10 45.88525	44541.126	550747.659	HI 2	0 10 21.05	0.9999985	2716.	14.11
201561330009	HANAMANIOA POINT LIGHT	20 34 59.50210	156 24 43.32089	27682.020	526546.283	HI 2	0 05 22.28	0.9999754		
201561330010	HANAMANIOA POINT LIGHTHOUSE	20 34 59.51636	156 24 43.32645	27682.459	526546.122	HI 2	0 05 22.27	0.9999754		
201561120010	HANAWI 1877	20 49 16.20872	156 06 4.29320	54110.517	558861.070	HI 2	0 12 3.62	1.0000095	166 SC	12.12
201561210005	HAOU 1878	20 41 35.29508	156 00 15.21660	39973.849	569012.781	HI 2	0 14 2.73	1.0000255	41 SC	14.99
201564420016	HAUA 1962	20 51 13.56717	156 50 18.57699	57625.953	482118.318	HI 2	-0 03 40.20	0.9999706	76.	12.51
211572240019	HAUAKEA 2 1962	21 09 22.50026	157 07 44.14986	91175.055	451989.651	HI 2	-0 10 0.62	0.9999951	229.57	11.49
211572240020	HAUAKEA HIGS 1962	21 09 22.52738	157 07 44.20446	91175.894	451988.078	HI 2	-0 10 0.64	0.9999951	230 SC	11.49
211573430008	HAUIKI 1928	21 20 41.10140	157 52 33.80906	19722.359	512856.349	HI 3	0 02 42.40	0.9999920	81 SC	10.52
211563220002	HAUNAKO 1950	21 00 12.67434	156 33 58.31210	74199.094	510445.199	HI 2	0 02 9.64	0.9999680	192.	11.74
211563340003	HAUPO 1925	21 10 0.26022	156 53 17.36678	92282.489	476997.912	HI 2	-0 04 47.92	0.9999732	313 SC	11.35
211573430046	HAWAII ASTRO IGY 1957	21 20 38.41672	157 54 58.35535	19637.042	508691.497	HI 3	0 01 49.79	0.9999909	29.	10.51
201553230005	HAWAII WEST BASE 1872	20 01 36.92382	155 39 45.95497	132131.055	482970.537	HI 1	-0 03 20.67	0.9999702	841 SC	23.41
211573420154	HAWAIIAN ELECTRIC CO NW STACK	21 18 22.91389	157 51 50.16433	15473.349	514117.581	HI 3	0 02 57.98	0.9999925		
211573420152	HAWAIIAN ELECTRIC CO SE STACK	21 18 22.17621	157 51 49.69767	15450.672	514131.050	HI 3	0 02 58.15	0.9999925		
211573410065	HAWAIILOA HILL	21 26 52.69499	157 45 24.66225	31165.535	525203.942	HI 3	0 05 20.07	0.9999978	104 SC	10.44
211573410063	HAWAIILOA HILL 2 1941	21 26 52.74205	157 45 24.47617	31166.991	525209.298	HI 3	0 05 20.14	0.9999978	104 SC	10.44
211563230003	HAWEA 1882	21 00 11.57956	156 39 58.24006	74162.143	500050.825	HI 2	0 00 0.63	0.9999667	20.	11.84
211563230004	HAWEA POINT LIGHT	21 00 11.01899	156 39 59.07368	74144.904	500026.751	HI 2	0 00 0.33	0.9999667		11.84
201553420008	HAWI UPOLU AIRPORT BCN	20 15 46.42890	155 51 43.02843	158286.987	462187.090	HI 1	-0 07 31.28	0.9999843		
201561440044	HAY 1912	20 55 17.24967	156 29 46.50473	65119.862	517726.834	HI 2	0 03 39.07	0.9999705	55.	12.02
211573410047	HEEIA 1872	21 26 41.53372	157 49 21.47393	30813.108	518385.701	HI 3	0 03 53.45	0.9999942	219.	10.45
211573410039	HEEIA MILL STACK	21 25 48.14529	157 48 27.30086	29172.926	519947.578	HI 3	0 04 13.09	0.9999949		
211573410037	HEEIA NRS OBSERVATION TOWER	21 25 38.84079	157 48 22.83822	28886.914	520076.442	HI 3	0 04 14.69	0.9999950		
211573410034	HEEIA RANGE TOWER	21 26 5.18109	157 48 18.13848	29697.207	520210.775	HI 3	0 04 16.49	0.9999950		
201564120021	HEKILI 1879	20 48 28.67437	156 37 5.53850	52546.201	505044.813	HI 2	0 01 1.98	0.9999670	3 SC	13.19
201561440038	HEN 1912	20 54 26.90161	156 29 15.47681	63572.459	518625.109	HI 2	0 03 50.01	0.9999710	13 SC	12.13
211573430102	HENRY	21 21 14.78723	157 53 49.33197	20756.823	510679.585	HI 3	0 02 14.97	0.9999914	50 SC	10.51
211573430071	HICKAM AFB BEACON	21 20 11.43675	157 57 19.48328	18805.597	504625.314	HI 3	0 00 58.40	0.9999903		

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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.GEIOD (M)	HT(M)
211573430063	HICKAM AFB CONTROL TOWER	21 19 58.68510	157 56 46.91490	18413.704	505563.910	HI 3	0 01 10.24	0.9999904		
211573430079	HICKAM AFB WATER TOWER	21 20 34.23924	157 57 43.84159	19506.719	503923.257	HI 3	0 00 49.55	0.9999902		
201564430006	HII DOLE 1962	20 48 49.97912	156 54 6.90178	53218.493	475511.484	HI 2	-0 05 0.93	0.9999741	599.	12.66
211572230007	HIKAUHI 1962	21 06 7.60202	157 10 6.11056	85193.385	447875.122	HI 2	-0 10 50.27	1.0000002	138.0	11.76
211574340016	HINA 1969	21 37 39.27453	157 58 47.24351	51032.565	502092.326	HI 3	0 00 26.82	0.9999901	571.	10.09
201553310016	HIND STACK	20 14 11.37516	155 49 45.33299	155356.813	465596.740	HI 1	-0 06 50.01	0.9999813		
201561440015	HOBSONS FLAGSTAFF	20 53 43.64024	156 27 49.80356	62244.965	521102.539	HI 2	0 04 20.44	0.9999722		
211572310002	HOCK	21 11 7.66371	157 14 54.77947	94450.268	439577.662	HI 2	-0 12 37.05	1.0000118		
201553420005	HDEA MILL CHIMNEY WEST STACK	20 15 44.19118	155 50 25.54768	158213.400	464435.402	HI 1	-0 07 4.43	0.9999823		
201553420004	HDEA STACK	20 15 44.19430	155 50 25.00393	158213.464	464451.182	HI 1	-0 07 4.25	0.9999823		
201561320005	HOKUKANO HIGS 1904	20 36 23.35944	156 19 46.15477	30276.482	535146.701	HI 2	0 07 7.21	0.9999819		16.21
201553230009	HOKUULA 1873	20 01 55.11846	155 40 50.45632	132692.471	481096.550	HI 1	-0 03 42.81	0.9999711	1030 SC	23.44
201553230010	HOKUULA 2 1948	20 01 55.06692	155 40 50.49422	132690.887	481095.447	HI 1	-0 03 42.82	0.9999711	1030.	23.44
201564140025	HONO 1931	20 56 23.26758	156 41 21.03399	67140.892	497658.825	HI 2	-0 00 28.96	0.9999667		
201553340001	HONOIPU 1913	20 14 33.17866	155 53 23.54724	156041.053	459264.770	HI 1	-0 08 5.63	0.9999872	19 SC	20.89
201552330017	HONOKAA HAWAIIAN TEL. MICROWAVE	20 04 39.75981	155 27 50.28931	137745.448	503768.533	HI 1	0 00 44.53	0.9999668		
201552330023	HONOKAA SUGAR CO MILL STACK	20 05 36.62161	155 28 3.90078	139493.894	503372.736	HI 1	0 00 39.89	0.9999668		
211563220008	HONOKAHAU 2 1950	21 01 44.39557	156 35 49.38259	77018.162	507236.359	HI 2	0 01 29.93	0.9999673	93.	11.72
211563220007	HONOKAHAU-O 1882	21 01 43.61901	156 35 48.11720	76994.296	507272.907	HI 2	0 01 30.38	0.9999673	94 SC	11.72
201561120002	HONOKALANI 1878	20 47 48.64173	156 00 31.37601	51453.967	568498.426	HI 2	0 14 1.03	1.0000246	18 SC	12.54
201561120001	HONOKALANI 2 1950	20 47 48.18394	156 00 30.82866	51439.952	568514.313	HI 2	0 14 1.22	1.0000247	17.	12.54
201552330024	HONOKOA STACK	20 05 36.62156	155 28 3.91039	139493.893	503372.457	HI 1	0 00 39.88	0.9999668		
201564110017	HONOLUA 1950	20 57 31.18876	156 36 16.68399	69230.792	506451.075	HI 2	0 01 19.88	0.9999672	801.	11.85
211573420102	HONOLULU 1350 ALA MOAN APT ANT	21 17 30.66614	157 50 53.10451	13867.940	515763.655	HI 3	0 03 18.59	0.9999931		
211573420097	HONOLULU 999 WILDER BLDG SHAFT	21 18 31.77979	157 50 36.20695	15748.003	516248.843	HI 3	0 03 24.88	0.9999933		
211573420101	HONOLULU ACADEMY TWR APT SHAFT	21 18 23.18092	157 50 52.32910	15483.084	515784.448	HI 3	0 03 19.00	0.9999931		
211573430051	HONOLULU AHUA PT RADAR TOWER	21 18 43.56687	157 55 30.00229	16104.302	507781.313	HI 3	0 01 38.13	0.9999907		
211573420095	HONOLULU ALA MOANA BLDG OBS LT	21 17 34.10461	157 50 34.67696	13974.212	516294.705	HI 3	0 03 25.29	0.9999933		
211573420161	HONOLULU ALOHA TOWER	21 18 25.36771	157 51 57.54797	15548.635	513904.712	HI 3	0 02 55.31	0.9999924	65 SC	10.57
211573420171	HONOLULU AMERICAN CANNERY TANK	21 19 1.17630	157 52 10.98278	16649.626	513516.598	HI 3	0 02 50.50	0.9999923		
211573420112	HONOLULU BOARD WTR SUPPLY STK	21 18 20.47972	157 51 9.85371	15399.528	515279.447	HI 3	0 03 12.63	0.9999929		
211573420180	HONOLULU BOARD WTR SUPPLY STK	21 19 40.35270	157 52 18.63894	17854.340	513294.975	HI 3	0 02 47.80	0.9999922		
211573420113	HONOLULU BUDDHIST MISS CEN TWR	21 19 5.96969	157 51 17.31892	16798.401	515063.002	HI 3	0 03 10.02	0.9999928		
211573420034	HONOLULU C JADE APT BLDG ANT	21 17 1.32110	157 48 8.10411	12970.685	520520.752	HI 3	0 04 18.41	0.9999952		
211573420142	HONOLULU CASTLE COOKE BLDG LT	21 18 30.25821	157 51 44.24835	15699.376	514287.888	HI 3	0 03 0.15	0.9999925		
211573420072	HONOLULU CENTRAL UNION CHURCH	21 17 55.87620	157 50 1.54634	14644.788	517248.948	HI 3	0 03 37.38	0.9999937		
211573420087	HONOLULU CITY HALL PAWAA TWR	21 17 58.44974	157 50 17.58073	14723.459	516786.714	HI 3	0 03 31.56	0.9999935		
211573420139	HONOLULU FIRST HAWAIIA BANK LT	21 18 28.51550	157 51 41.99266	15645.834	514352.946	HI 3	0 03 0.97	0.9999925		
211573420054	HONOLULU FOSTER TWR HOTEL LT	21 16 26.07084	157 49 24.28642	11883.940	518325.966	HI 3	0 03 50.65	0.9999941		
211573420200	HONOLULU HARBOR BEACON 3	21 17 48.91333	157 52 18.06228	14426.968	513314.382	HI 3	0 02 47.78	0.9999922		
211573420160	HONOLULU HARBOR CHAN F RNG LT	21 18 18.37922	157 51 56.14195	15333.734	513945.418	HI 3	0 02 55.80	0.9999924		
211573420147	HONOLULU HARBOR CHAN R RNG LT	21 18 34.89735	157 51 46.76611	15841.992	514215.201	HI 3	0 02 59.25	0.9999925		
211573420153	HONOLULU HARBOR F RNG LT	21 18 28.91328	157 51 50.16007	15657.863	514117.544	HI 3	0 02 58.00	0.9999925		
211573420150	HONOLULU HAWAII ELEC N TW STK	21 18 20.76398	157 51 48.33520	15407.272	514170.355	HI 3	0 02 58.64	0.9999925		
211573420155	HONOLULU HAWAII ELEC NE STK	21 18 21.89257	157 51 50.22287	15441.936	514115.921	HI 3	0 02 57.96	0.9999925		

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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)
211573420156	HONOLULU HAWAII ELEC NW STACK	21 18 23.31587	157 51 50.36958	15485.707	514111.654	HI 3	0 02 57.91	0.9999925		
211573420149	HONOLULU HAWAII ELEC SE STACK	21 18 20.14121	157 51 47.93508	15388.129	514181.904	HI 3	0 02 58.79	0.9999925		
211573420157	HONOLULU HAWAII ELEC SW STACK	21 18 21.70795	157 51 50.55114	15436.249	514106.464	HI 3	0 02 57.84	0.9999925		
211573420170	HONOLULU HAWAIIAN GRAIN ELEV	21 18 42.40285	157 52 9.86262	16072.263	513549.358	HI 3	0 02 50.87	0.9999923		
211573420177	HONOLULU HAWAIIAN PINEAPPLE TK	21 19 1.12971	157 52 16.71740	16648.057	513351.333	HI 3	0 02 48.42	0.9999922		
211573420128	HONOLULU HAWAIIAN TEL BLDG ANT	21 18 33.72241	157 51 32.98352	15806.206	514612.454	HI 3	0 03 4.25	0.9999926		
211573420086	HONOLULU HILTON RAINBOW TWR LT	21 16 56.05268	157 50 17.33245	12804.409	516795.839	HI 3	0 03 31.49	0.9999935		
211573420088	HONOLULU ILIKAI HOTEL CUPOLA	21 17 3.47636	157 50 18.70771	13032.688	516755.962	HI 3	0 03 31.01	0.9999935		
211573420069	HONOLULU IMP HAWAII HOTEL ANT	21 16 42.34540	157 49 52.30853	12383.590	517517.625	HI 3	0 03 40.53	0.9999938		
211573420132	HONOLULU INCINERATOR STACK	21 17 31.71967	157 51 37.98226	13899.148	514470.073	HI 3	0 03 2.29	0.9999926		
211573430056	HONOLULU INTL AP B L 9 PLUS 00	21 19 39.26959	157 55 36.72223	17817.382	507586.850	HI 3	0 01 35.75	0.9999907	6 SC	10.52
211573430040	HONOLULU INTL AP BL 83 PLUS 60	21 19 39.25433	157 54 17.79310	17818.127	509861.344	HI 3	0 02 4.46	0.9999912	6 SC	10.53
211573430043	HONOLULU INTL APT CONT TWR BCN	21 19 21.70634	157 54 39.45503	17278.062	509237.419	HI 3	0 01 56.56	0.9999911		
211573430049	HONOLULU INTL APT CONT TWR BCN	21 19 55.32718	157 55 11.33704	18311.599	508318.121	HI 3	0 01 45.01	0.9999909		
211573420127	HONOLULU IOLANI PALACE FP	21 18 24.14882	157 51 31.81725	15511.794	514646.330	HI 3	0 03 4.65	0.9999926		
211573420130	HONOLULU JUDICIARY BLDG FS	21 18 19.97862	157 51 35.49025	15383.443	514540.584	HI 3	0 03 3.31	0.9999926		
211573420082	HONOLULU KAISER HOTEL KHVH TWR	21 16 54.55930	157 50 13.68491	12758.587	516901.030	HI 3	0 03 32.81	0.9999935		
211573420144	HONOLULU KALANIHUIA APT SHAFT	21 18 57.85533	157 51 46.18224	16548.094	514231.414	HI 3	0 02 59.51	0.9999925		
211573420172	HONOLULU KAPALAMA INCIN STACK	21 19 21.03213	157 52 11.30689	17260.297	513506.753	HI 3	0 02 50.43	0.9999923		
211573420135	HONOLULU KEWALO BASIN KGU TWR	21 17 29.66331	157 51 39.28709	13835.870	514432.519	HI 3	0 03 1.82	0.9999926		
211573420203	HONOLULU KING BLDG EAMMA GRDNS	21 18 54.62724	157 51 24.29259	16449.373	514862.346	HI 3	0 03 7.46	0.9999927		
211573420196	HONOLULU LIGHTHOUSE	21 18 6.01579	157 52 7.36112	14953.217	513622.383	HI 3	0 02 51.70	0.9999923		
211573420143	HONOLULU LONGITUDE MON 1903	21 18 12.33657	157 51 45.56558	15148.152	514250.405	HI 3	0 02 59.63	0.9999925	3 SC	10.57
211573420202	HONOLULU MAKIKI TOWER APT ANT	21 18 17.23532	157 50 7.49921	15301.521	517076.686	HI 3	0 03 35.27	0.9999936		
211573420137	HONOLULU MALUHIA HOSP FLAGPOLE	21 19 45.53451	157 51 40.32189	18014.646	514399.013	HI 3	0 03 1.75	0.9999926		
211573420103	HONOLULU MCKINLEY HSCH ADM CUP	21 17 56.56654	157 50 53.37513	14664.514	515755.088	HI 3	0 03 18.55	0.9999931		
211573430052	HONOLULU MOANALUA WATER TANK	21 21 1.99589	157 55 30.66828	20361.767	507760.097	HI 3	0 01 38.06	0.9999907		
211573420053	HONOLULU MOILILI BUDDHIST CH	21 17 28.07965	157 49 22.96946	13791.098	518361.793	HI 3	0 03 51.31	0.9999942		
211573420080	HONOLULU MORMON CHURCH SPIRE	21 17 59.13812	157 50 10.68534	14744.835	516985.434	HI 3	0 03 34.07	0.9999936		
211573420098	HONOLULU NATIONAL CEMETERY FP	21 18 42.67349	157 50 42.72080	16082.860	516060.781	HI 3	0 03 22.54	0.9999932		
211573420119	HONOLULU NEW CITY HALL CUPOLA	21 18 19.50265	157 51 25.69598	15369.057	514822.880	HI 3	0 03 6.87	0.9999927		
211573420140	HONOLULU NEW INCINERATOR STACK	21 17 36.86742	157 51 42.28727	14057.360	514345.847	HI 3	0 03 0.74	0.9999925		
211573420030	HONOLULU RADIO STA KAIM TOWER	21 16 56.28333	157 47 58.35814	12816.100	520801.882	HI 3	0 04 21.93	0.9999953		
211573430010	HONOLULU RADIO STA KCCN MAST	21 19 16.03186	157 52 36.62813	17105.924	512777.167	HI 3	0 02 41.21	0.9999920		
211573420090	HONOLULU RADIO STA KGMB TOWER	21 17 36.53209	157 50 23.81119	14049.185	516607.821	HI 3	0 03 29.24	0.9999934		
211573420081	HONOLULU RADIO STA KHON TOWER	21 17 15.25065	157 50 10.77386	13395.048	516984.283	HI 3	0 03 33.92	0.9999936		
211573420084	HONOLULU RADIO STA KHVH TOWER	21 17 0.51209	157 50 14.42062	12941.647	516879.633	HI 3	0 03 32.56	0.9999935		
211573420117	HONOLULU RADIO STA KIKI TOWER	21 17 48.01910	157 51 22.59525	14400.844	514913.130	HI 3	0 03 7.92	0.9999927		
211573420056	HONOLULU RADIO STA KORL TOWER	21 17 8.36169	157 49 27.21267	13184.524	518240.162	HI 3	0 03 49.71	0.9999941		
211573420079	HONOLULU RADIO STA KPOI TOWER	21 17 16.60193	157 50 9.78335	13436.637	517012.791	HI 3	0 03 34.28	0.9999936		
211573420083	HONOLULU ROOSEVELT H SCH SPIRE	21 18 37.06785	157 50 13.75009	15911.296	516895.896	HI 3	0 03 33.05	0.9999935		
211573420062	HONOLULU ROYAL HAWAIIAN C TWR	21 16 38.87177	157 49 44.40438	12277.001	517745.590	HI 3	0 03 43.39	0.9999939		
211573420035	HONOLULU SAC HEART ACAD CROSS	21 17 9.54777	157 48 23.91429	13223.137	520064.704	HI 3	0 04 12.70	0.9999950		
211573420120	HONOLULU ST ANDREW CATH HI TWR	21 18 35.94066	157 51 25.98068	15874.611	514814.217	HI 3	0 03 6.80	0.9999927		
211573420037	HONOLULU ST LOUIS H SCH FP	21 17 22.17538	157 48 29.47089	13611.311	519904.062	HI 3	0 04 10.72	0.9999949		

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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)
211573420138	HONOLULU ST THERESAS CH CROSS	21 19 27.54743	157 51 40.59987	17461.434	514391.489	HI 3	0 03 1.61	0.9999926		
211573430022	HONOLULU TRIPLER HOSP TWIN LTS	21 21 34.82326	157 53 24.99932	21373.520	511380.222	HI 3	0 02 23.87	0.9999916		
211573420169	HONOLULU TV STA KHVH MAST	21 17 44.71587	157 52 8.43922	14298.100	513591.854	HI 3	0 02 51.26	0.9999923		
211573420107	HONOLULU TV STA KHVH TOWER	21 17 32.70559	157 50 58.54257	13930.514	515606.849	HI 3	0 03 16.62	0.9999930		
211573420091	HONOLULU TV STATION KGMB TOWER	21 17 34.52579	157 50 25.97742	13987.417	516545.445	HI 3	0 03 28.45	0.9999934		
211573420110	HONOLULU TV STATION KONA TOWER	21 17 35.58012	157 51 4.05549	14018.771	515447.862	HI 3	0 03 14.62	0.9999929		
211573420201	HONOLULU U HAWAII ELEC LAB TWR	21 17 54.95213	157 49 8.10018	14618.064	518789.438	HI 3	0 03 56.79	0.9999944		
211573420047	HONOLULU UNIV HAWAII FLAGPOLE	21 17 50.26583	157 49 13.25325	14473.764	518641.077	HI 3	0 03 54.90	0.9999943		
211573420060	HONOLULU WAIKIKI PLAZA FP	21 16 43.60984	157 49 40.83838	12422.835	517848.228	HI 3	0 03 44.70	0.9999939		
211573420071	HONOLULU WAIKIKI SH APT SE FP	21 16 41.16560	157 50 0.05964	12347.067	517294.225	HI 3	0 03 37.72	0.9999937		
211563320002	HONOMUNI 1915	21 05 0.54575	156 46 30.96073	83052.816	488715.455	HI 2	-0 02 20.64	0.9999682	3.0	11.72
201564430013	HONOPU 1962	20 49 50.82590	156 58 45.03815	55103.399	467472.632	HI 2	-0 06 40.08	0.9999797	298.	12.54
211563240006	HONOULI 1915	21 07 25.83402	156 44 40.97149	87519.166	491892.337	HI 2	-0 01 41.26	0.9999675	238 SC	11.38
201564440007	HONOWAE 1962	20 55 44.56336	156 59 15.81124	65983.861	466604.633	HI 2	-0 06 52.87	0.9999804	7.	12.24
201564230010	HOPE	20 30 8.25251	156 39 59.59396	18704.755	500011.765	HI 2	0 00 0.14	0.9999667		
201564110013	HOUSE ON MOUNTAIN EAST GABLE	20 58 26.05690	156 32 8.79775	70922.499	513610.554	HI 2	0 02 48.66	0.9999690		
201561140004	HUELO 1877	20 54 43.59901	156 13 8.71919	64140.489	546560.854	HI 2	0 09 35.13	0.9999934	111 SC	11.07
201561140003	HUELO 2 HITS 1950	20 54 41.52903	156 13 8.68908	64076.831	546561.902	HI 2	0 09 35.13	0.9999934	112.	11.08
201564220001	HUMP	20 31 47.08336	156 32 3.72995	21749.584	513797.167	HI 2	0 02 47.03	0.9999690		
211563310016	HUMU	21 10 3.25518	156 48 21.99611	92364.906	485518.733	HI 2	-0 03 1.27	0.9999693		
201561340040	HUNT	20 40 43.46425	156 26 39.04928	38254.830	523180.397	HI 2	0 04 42.84	0.9999733		
201561340020	HUT	20 38 39.05898	156 26 44.54318	34428.820	523026.603	HI 2	0 04 40.45	0.9999732		
211573430025	HYDRANT 4859 1964	21 19 16.97004	157 53 30.14067	17133.645	511235.012	HI 3	0 02 21.75	0.9999916	3 SC	10.54
201564130012	HYDRO SIGNAL NR OLOWALU 1950	20 48 30.76711	156 37 24.07681	52610.407	504508.733	HI 2	0 00 55.39	0.9999669	3 SC	13.18
201552330021	IKI 1932	20 05 29.95298	155 27 24.40236	139289.090	504520.237	HI 1	0 00 53.45	0.9999669	155 SC	22.28
201552330020	IKI 2 1966	20 05 29.74380	155 27 24.25785	139282.659	504524.437	HI 1	0 00 53.50	0.9999669	155 SC	22.28
211572310008	ILIO PT COAST GUARD LORAN MAST	21 12 58.76007	157 15 22.54901	97870.068	438789.365	HI 2	-0 12 48.15	1.0000129		
211573420159	IMMIGRATION BUILDING FLAGSTAFF	21 18 2.28767	157 51 52.08923	14838.929	514062.648	HI 3	0 02 57.24	0.9999924		
201564420002	IP-WHARF	20 49 48.65211	156 48 40.21219	55011.748	484959.487	HI 2	-0 03 4.99	0.9999695		
211563330015	IRON PIPE NR STA MAKAKUPAIA 2	21 06 47.43157	156 57 1.20497	86362.420	470530.102	HI 2	-0 06 7.85	0.9999774	797 SC	11.79
201552330015	ISAACS	20 05 30.01233	155 27 24.36627	139290.915	504521.285	HI 1	0 00 53.46	0.9999669	154.0	22.27
201553240001	ISLAND HIGHEST POINT	20 11 32.07861	155 42 10.59751	150437.073	478789.102	HI 1	-0 04 12.18	0.9999722		
201561330002	IT	20 35 6.00266	156 24 47.05081	27881.760	526437.956	HI 2	0 05 20.99	0.9999753		
201561330007	JOE	20 36 36.49990	156 26 24.60964	30660.610	523608.883	HI 2	0 04 47.02	0.9999736		
211563320020	JOHN	21 03 2.07298	156 51 59.46476	79418.476	479229.046	HI 2	-0 04 18.43	0.9999720		
211573420019	K 2	21 16 41.21676	157 47 2.33155	12354.849	522417.531	HI 3	0 04 42.21	0.9999962	15.63	10.67
201561230001	KA LAE O KAILIO 1885	20 37 6.47650	156 08 23.92947	31654.887	554896.483	HI 2	0 11 7.71	1.0000039	23.	16.41
201571120002	KAA 1927	20 51 35.50529	157 01 23.06918	58332.152	462910.686	HI 2	-0 07 36.88	0.9999837	123 SC	12.42
211574320006	KAAAWA 1932	21 32 31.78027	157 50 32.18545	41583.221	516338.766	HI 3	0 03 28.49	0.9999933	2 SC	10.39
201553230002	KAALA 1877	20 03 3.52447	155 38 8.62025	134791.533	485801.517	HI 1	-0 02 47.53	0.9999692	1215.	23.15
201571110004	KAALA 1962	20 54 8.32445	157 01 17.24934	63031.538	463089.293	HI 2	-0 07 35.70	0.9999835	256.	12.30
211572240005	KAANA 1925	21 07 34.00554	157 08 56.07647	87844.470	449904.420	HI 2	-0 10 25.73	0.9999977	384 SC	11.66
201552330016	KAAD	20 04 28.12651	155 27 47.17563	137387.739	503859.075	HI 1	0 00 45.59	0.9999669	378.0	22.56
201571120003	KAAPA 1927	20 51 44.91015	157 02 3.64210	58624.025	461738.505	HI 2	-0 07 51.39	0.9999848	60.0	12.41
211563330003	KAAPAHU 1925	21 05 28.88598	156 52 43.59052	83935.225	477961.141	HI 2	-0 04 34.78	0.9999727	1060 SC	11.83

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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)
211574330006	KAAUMAKUA 1927	21 30 5.00614	157 53 52.37258	37064.187	510581.362	HI 3	0 02 14.74	0.99999914	818 SC	10.45
201564340003	KAEA USPLHS 1914	20 43 58.22066	156 57 49.40349	44256.606	469061.217	HI 2	-0 06 18.58	0.9999785	24.	12.97
201571110003	KAENA 1914	20 55 22.64329	157 01 12.92782	65316.851	463219.215	HI 2	-0 07 34.58	0.9999834	42.	12.25
211572240014	KAEO 1925	21 12 47.01943	157 13 44.47524	97498.688	441616.430	HI 2	-0 12 12.55	1.0000088	179.0	11.12
201564110023	KAEO 1950	20 58 19.18423	156 37 8.51195	70706.312	504953.448	HI 2	0 01 1.38	0.9999670	514.	11.82
211563220001	KAHAKULOA 1882	21 00 3.99331	156 32 43.28686	73933.623	512612.060	HI 2	0 02 36.51	0.9999686	194.	11.73
211573420016	KAHALA 1928	21 16 8.66444	157 46 39.57003	11354.594	523075.080	HI 3	0 04 50.36	0.9999966	2 SC	10.70
211573410052	KAHALUU LANDING	21 27 48.42404	157 50 0.98232	32869.150	517245.909	HI 3	0 03 39.19	0.9999937		
211563320011	KAHAU 1962	21 04 57.28150	156 49 12.12942	82956.253	484063.438	HI 2	-0 03 18.61	0.9999698	426.0	11.79
211573420136	KAHAUIKI 1969	21 21 31.38091	157 51 40.09340	21270.036	514402.725	HI 3	0 03 2.07	0.9999926	341.	10.52
201564420006	KAHEA 1962	20 50 13.07511	156 49 5.60010	55763.507	484226.170	HI 2	-0 03 14.08	0.9999697	15.	12.63
201553310017	KAHEI HTS 1948	20 14 26.63718	155 50 13.03392	155827.759	464793.692	HI 1	-0 06 59.67	0.9999820	190.	20.68
211572240013	KAHEKUPAPAU 1925	21 08 5.04726	157 12 23.63687	88818.420	443918.251	HI 2	-0 11 40.82	1.0000055	348 SC	11.56
211572310001	KAHENAWAI	21 12 47.09513	157 14 54.26961	97508.288	439603.597	HI 2	-0 12 37.81	1.0000117	92 SC	11.12
211563340016	KAHIO 1962	21 12 45.38861	156 58 7.66109	97374.782	468633.258	HI 2	-0 08 33.55	0.9999788	9.0	11.10
201552320005	KAHOLO 1877	20 00 50.94572	155 18 22.64436	130720.660	508323.945	HI 1	0 03 58.67	0.9999717	292.	20.80
201564430012	KAHOLO 1927	20 45 15.95965	156 58 42.75926	46650.227	467522.186	HI 2	-0 06 37.87	0.9999797	331.0	12.86
201564220020	KAHOOLAWE 1871	20 33 53.12417	156 35 11.93584	25622.062	508343.087	HI 2	0 01 41.19	0.9999675	441 SC	16.14
201564220029	KAHOOLAWE 2 1963	20 33 53.98360	156 35 12.59632	25648.482	508323.945	HI 2	0 01 40.96	0.9999675	438.	16.14
201564220030	KAHOOLAWE HYDROGRAPHIC	20 33 54.08126	156 35 12.56981	25651.486	508324.712	HI 2	0 01 40.97	0.9999675		
201564230015	KAHOOLAWE IS BLOCKHSE LO POST	20 31 14.28463	156 41 11.39466	20735.497	497931.632	HI 2	-0 00 25.03	0.9999667	35 SC	15.63
201564230009	KAHOOLAWE SW POINT LIGHT 1963	20 30 8.45517	156 39 58.97343	18710.987	500029.744	HI 2	0 00 0.36	0.9999667	44.	15.82
201564440006	KAHUA 1962	20 53 51.09105	156 55 54.37918	62483.540	472418.969	HI 2	-0 05 40.43	0.9999761	274.	12.31
211572230011	KAHUALEWA 1925	21 06 33.81848	157 11 45.16923	86008.934	445018.882	HI 2	-0 11 26.16	1.0000040	243 SC	11.70
211574340017	KAHUKU 1875	21 42 33.40646	157 58 49.66648	60079.132	502021.508	HI 3	0 00 26.02	0.9999901	7 SC	9.61
211574340011	KAHUKU MILL CHIMNEY	21 40 44.09044	157 56 59.73903	56717.613	505182.100	HI 3	0 01 6.59	0.9999903		
211574340022	KAHUKU NEW 1927	21 42 34.85094	157 58 26.28558	60123.659	502693.508	HI 3	0 00 34.67	0.9999901	6 SC	9.61
211574340024	KAHUKU NEW 2 1965	21 42 34.85025	157 58 26.45641	60123.637	502688.598	HI 3	0 00 34.60	0.9999901	4.	9.61
211574340012	KAHUKU RADIO BEACON	21 41 30.83093	157 57 12.26313	318465.047	246064.062	HI 1	-0 54 26.29	1.0007632	11.	9.71
201561440030	KAHULUI 1899	20 52 44.79417	156 28 37.63053	60433.559	519722.480	HI 2	0 04 3.20	0.9999715	38 SC	12.40
201561440008	KAHULUI APT CONTROL TWR BCN	20 53 35.56213	156 26 13.86074	62000.266	523875.634	HI 2	0 04 54.63	0.9999737		
201561440020	KAHULUI BANK CUPOLA	20 53 30.80854	156 27 57.80479	61850.055	520871.797	HI 2	0 04 17.54	0.9999720		
201561440022	KAHULUI BREAKWATER LIGHT	20 53 54.87065	156 28 4.09362	62589.823	520689.131	HI 2	0 04 15.38	0.9999720		
201561440035	KAHULUI ELECTRIC LIGHT STACK	20 54 6.71801	156 28 57.88883	62952.318	519134.070	HI 2	0 03 56.22	0.9999712		
201561440024	KAHULUI HARBOR ENT E BRKWTR LT	20 54 2.36090	156 28 17.42572	62819.701	520303.562	HI 2	0 04 10.64	0.9999718		
201561440026	KAHULUI HARBOR ENT RNG F LT	20 53 26.88884	156 28 19.41405	61728.743	520247.423	HI 2	0 04 9.82	0.9999717		
201561440025	KAHULUI HARBOR ENT RNG R LT	20 53 12.93493	156 28 18.60032	61299.641	520271.461	HI 2	0 04 10.07	0.9999717		
201561440029	KAHULUI HARBOR ENT W BRKWTR LT	20 54 1.16483	156 28 26.81836	62782.590	520032.169	HI 2	0 04 7.29	0.9999716		
201561440036	KAHULUI HARBOR FRONT RANGE BCN	20 54 6.72634	156 29 5.50545	62952.323	518913.960	HI 2	0 03 53.50	0.9999711		
201561440023	KAHULUI HARBOR FRONT RANGE LT	20 53 32.60308	156 28 6.99673	61904.914	520606.077	HI 2	0 04 14.27	0.9999719		
201561440019	KAHULUI HARBOR PIER 1 FLAG	20 53 48.04343	156 27 57.01546	62380.117	520893.947	HI 2	0 04 17.88	0.9999721		
201561440039	KAHULUI HARBOR REAR RANGE BCN	20 53 59.48478	156 29 16.12476	62729.276	518607.324	HI 2	0 03 49.69	0.9999709		
201561440012	KAHULUI MAUI ELECTRIC CO STACK	20 53 14.32851	156 26 55.00017	61345.602	522687.576	HI 2	0 04 39.88	0.9999730		
201561440028	KAHULUI MAUI PINEAPPLE CO TANK	20 53 9.89328	156 28 26.61427	61205.820	520039.958	HI 2	0 04 7.20	0.9999716		
201561440037	KAHULUI RADIO STA KMVI MAST	20 53 14.42480	156 29 9.61450	61343.737	518797.022	HI 2	0 03 51.88	0.9999710		

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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)
201561210009	KAIHUA KALA 1904	20 44 30.39306	156 01 21.92170	45351.063	567060.943	HI 2	0 13 40.99	1.0000222	750 SC	13.83
201561210010	KAIHUA KALA 2 1950	20 44 32.07418	156 01 21.01656	45402.869	567086.924	HI 2	0 13 41.33	1.0000223	750.	13.84
211573410020	KAILUA 1872	21 23 2.27190	157 46 29.74943	24075.817	523340.019	HI 3	0 04 55.43	0.9999967	305.	10.51
201561420010	KAILUA 1950	20 51 4.28634	156 20 35.82730	57364.798	533654.308	HI 2	0 06 54.38	0.9999807	387.	12.42
211573410003	KAILUA KANE OHE RESERVOIR	21 25 23.82119	157 45 12.01440	28432.682	525572.419	HI 3	0 05 24.34	0.9999981		10.46
211573410004	KAILUA TANK	21 25 26.63190	157 45 15.06584	28518.991	525484.407	HI 3	0 05 23.24	0.9999980		
211573420029	KAIMUKI 1872	21 16 40.73976	157 47 57.83291	12338.068	520817.629	HI 3	0 04 22.07	0.9999954	92.0	10.66
211573420028	KAIMUKI FIRE STATION	21 16 42.28523	157 47 57.74732	12385.603	520820.036	HI 3	0 04 22.11	0.9999954		
211573420020	KAIMUKI KAHALA TOWERS ANTENNA	21 16 44.66401	157 47 5.60295	12460.743	522323.083	HI 3	0 04 41.04	0.9999962		
211573420023	KAIMUKI LIBERTY HOUSE FLAGPOLE	21 16 37.40629	157 47 8.33111	12237.420	522244.742	HI 3	0 04 40.02	0.9999961		
211574330011	KAIPAPAU 1927	21 37 2.97139	157 55 19.99989	49917.877	508052.785	HI 3	0 01 43.15	0.9999908	193.0	10.13
211572240012	KAKA AKA 1925	21 09 3.02992	157 12 4.67237	90599.839	444471.468	HI 2	-0 11 34.49	1.0000048	294 SC	11.48
211572210001	KAKALAHALE 1925	21 07 20.36211	156 59 51.80884	87384.697	465608.891	HI 2	-0 07 9.48	0.9999813	391 SC	11.75
211572230003	KALA 1962	21 05 39.01382	157 08 15.93566	84304.440	451052.255	HI 2	-0 10 10.38	0.9999963	2.0	11.83
211563320015	KALAELOA 1915	21 02 58.74367	156 50 56.06695	79313.894	481059.230	HI 2	-0 03 55.64	0.9999711	2 SC	11.98
211573420141	KALAEPOHAKU	21 19 47.57906	157 51 42.73657	18077.466	514329.375	HI 3	0 03 0.87	0.9999925	65.	10.54
211572210006	KALAMAULA	21 07 19.16609	157 01 30.84571	87354.112	462750.951	HI 2	-0 07 45.17	0.9999838	227 SC	11.75
211563240003	KALANIKAU LA 1915	21 09 14.87976	156 43 34.73850	90871.955	493804.804	HI 2	-0 01 17.49	0.9999671	243 SC	11.08
211563320019	KALAPAMOA 1925	21 05 40.32426	156 51 39.88054	84284.653	479800.382	HI 2	-0 04 11.89	0.9999717	1232 SC	11.79
211563340018	KALAWAO 1890	21 12 33.20717	156 58 11.44766	97000.353	468523.340	HI 2	-0 06 34.86	0.9999789	34.0	11.13
201561210028	KALEPA 1912	20 38 41.62054	156 05 15.76606	34599.417	560334.050	HI 2	0 12 14.87	1.0000116	67 SC	15.99
211573430021	KALIHI 1928	21 19 15.70838	157 53 24.96815	17094.945	511384.102	HI 3	0 02 23.63	0.9999916	2 SC	10.54
211573430088	KALIHI 2 1964	21 19 17.98807	157 53 30.47757	17164.949	511225.282	HI 3	0 02 21.63	0.9999916	3 SC	10.54
211573430036	KALIHI CHANNEL DATUM POINT	21 18 15.89944	157 53 47.67134	15255.043	510731.043	HI 3	0 02 15.28	0.9999914		
211573430033	KALIHI CHANNEL F RNG LT	21 18 32.50526	157 53 42.95380	15765.855	510866.670	HI 3	0 02 17.02	0.9999915		
211573430031	KALIHI CHANNEL GREEN LIGHT 13	21 18 32.60904	157 53 41.36416	15769.077	510912.482	HI 3	0 02 17.60	0.9999915		
211573430027	KALIHI CHANNEL GREEN LIGHT 17	21 18 47.52052	157 53 37.13345	16227.770	511034.104	HI 3	0 02 19.16	0.9999915		
211573430023	KALIHI CHANNEL GREEN LIGHT 19	21 18 50.83555	157 53 26.27141	16329.940	511347.075	HI 3	0 02 23.11	0.9999916		
211573430037	KALIHI CHANNEL GREEN LIGHT 5	21 17 58.34190	157 53 49.92848	14715.009	510666.341	HI 3	0 02 14.43	0.9999914		
211573430035	KALIHI CHANNEL GREEN LIGHT 9	21 18 17.24553	157 53 47.39209	15296.448	510739.064	HI 3	0 02 15.38	0.9999914		
211573430029	KALIHI CHANNEL R RNG LT	21 18 52.49605	157 53 40.32069	16380.734	510942.147	HI 3	0 02 18.01	0.9999915		
211573430028	KALIHI CHANNEL RED LIGHT 12	21 18 29.37965	157 53 37.22706	15669.835	511031.783	HI 3	0 02 19.09	0.9999915		
211573430026	KALIHI CHANNEL RED LIGHT 16	21 18 37.24282	157 53 31.86029	15911.777	511186.292	HI 3	0 02 21.06	0.9999915		
211573430020	KALIHI CHANNEL RED LIGHT 20	21 18 46.02599	157 53 23.26855	16182.079	511433.719	HI 3	0 02 24.20	0.9999916		
211573430034	KALIHI CHANNEL RED LIGHT 6	21 17 57.57985	157 53 45.08103	14691.663	510806.072	HI 3	0 02 16.19	0.9999914		
211573430032	KALIHI CHANNEL RED LIGHT 8	21 18 16.08414	157 53 42.53181	15260.822	510879.168	HI 3	0 02 17.14	0.9999915		
211573430007	KALIHI FIRE STATION	21 19 53.25136	157 52 33.36675	18250.708	512870.253	HI 3	0 02 42.47	0.9999920		
211573420021	KALIPEAMOA	21 17 53.86999	157 47 6.34342	14589.187	522298.839	HI 3	0 04 41.01	0.9999961	340.27	10.64
211563320013	KALUA AHA 1925	21 05 2.69230	156 49 37.42458	83123.376	483333.489	HI 2	-0 03 27.72	0.9999701	550 SC	11.80
211563320012	KALUA AHA CHURCH	21 04 2.61769	156 49 13.30954	81275.152	484027.754	HI 2	-0 03 18.90	0.9999698		
211563340010	KALUAHAUONI 1890	21 09 10.84565	156 56 17.13950	90770.822	471809.282	HI 2	-0 05 52.61	0.9999765	995.0	11.52
211572230002	KALUA KAWAHINE 1925	21 06 26.12875	157 07 55.13420	85751.686	451656.869	HI 2	-0 10 3.25	0.9999955	153 SC	11.77
211573130027	KALUANUI RIDGE 1969	21 19 0.16613	157 42 22.87888	16641.351	530465.289	HI 3	0 06 24.29	1.0000015	483.	10.66
211563340013	KALUA OLOHE	21 08 29.54777	156 57 18.82271	89503.863	470027.387	HI 2	-0 06 14.68	0.9999778	883 SC	11.61
211573430060	KAM 1927	21 19 8.46750	157 56 2.26603	16869.720	506851.153	HI 3	0 01 26.43	0.9999906	7 SC	10.52

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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)
211563320021	KAMAKOU	21 06 26.11784	156 52 7.32421	85693.984	479010.102	HI 2	-0 04 21.92	0.9999721	1516 SC	11.73
211563330013	KAMALO	21 02 55.92767	156 53 11.28505	79232.210	477155.326	HI 2	-0 04 44.20	0.9999731	1 SC	12.02
211563330012	KAMALO 2 1925	21 02 55.90332	156 53 11.25875	79231.460	477156.085	HI 2	-0 04 44.19	0.9999731	2 SC	12.02
211563330001	KAMALO HARBOR SHACK	21 02 41.87493	156 52 27.03723	78798.321	478432.218	HI 2	-0 04 28.26	0.9999724		
201564430002	KAMAO 1962	20 45 47.69058	156 52 59.12350	47609.808	477463.813	HI 2	-0 04 36.21	0.9999729	410.	12.97
211573420114	KAMEHAMEHA SCHOOL CUPOLA	21 20 31.68274	157 51 19.59661	19434.505	514994.942	HI 3	0 03 9.39	0.9999928		
201561340019	KAMOA 1950	20 43 36.44986	156 26 42.84562	43574.474	523063.258	HI 2	0 04 42.12	0.9999732	26.	14.46
201553220001	KAMUKAMAKA HITS 1913	20 06 13.19499	155 29 54.08755	140618.219	500171.748	HI 1	0 00 2.03	0.9999667	172 SC	22.21
201561310012	KANAHAU 1950	20 41 21.48685	156 17 44.58866	39452.429	538645.733	HI 2	0 07 51.81	0.9999851	2638.	15.03
201561330015	KANAHENA POINT LIGHT	20 35 59.08113	156 26 10.48667	29510.464	524019.431	HI 2	0 04 51.86	0.9999738		
201561310019	KANAIO CATHOLIC CHURCH BELFRY	20 37 23.25853	156 22 9.92144	32110.426	530980.564	HI 2	0 06 16.91	0.9999785		
211563330008	KANEHALE	21 03 25.39805	156 54 53.70495	80142.883	474199.826	HI 2	-0 05 21.11	0.9999749	1 SC	12.02
211563340002	KANEIAMO 1925	21 09 59.83074	156 52 35.55648	92267.641	478204.024	HI 2	-0 04 32.82	0.9999725	47 SC	11.33
201564220017	KANELOA 1963	20 32 3.83693	156 34 49.99625	22261.572	508980.288	HI 2	0 01 48.74	0.9999677	334.	16.33
211573410022	KANEOHE 1926	21 24 29.47382	157 46 52.59103	26756.873	522678.308	HI 3	0 04 47.41	0.9999964	31 SC	10.48
211573410002	KANEOHE BAY E RADIO TOWER OF 3	21 27 6.41443	157 45 9.40930	31588.182	525642.462	HI 3	0 05 25.71	0.9999981		
211573410064	KANEOHE BAY HAWAIILOA HILL BCN	21 26 52.97527	157 45 24.54595	31174.161	525207.278	HI 3	0 05 20.12	0.9999978		
211573410018	KANEOHE BAY MCAS RADIO BEAM	21 26 40.46531	157 46 21.54175	30786.938	523566.728	HI 3	0 04 59.23	0.9999969		
211573410009	KANEOHE HAWAIIAN TEL MICROWAVE	21 25 20.76050	157 45 25.26706	28337.952	525190.910	HI 3	0 05 19.49	0.9999978		
211573410100	KANEOHE MCAS WINDSOCK	21 26 38.74884	157 46 38.35831	30733.450	523082.584	HI 3	0 04 53.08	0.9999966		
211573410101	KANEOHE MCAS WINDSOCK ECC	21 26 38.76077	157 46 38.41208	30733.815	523081.035	HI 3	0 04 53.06	0.9999966	3 SC	10.45
211573410069	KANEOHE NEW	21 24 31.12847	157 46 56.08501	26807.623	522577.607	HI 3	0 04 46.14	0.9999963	21 SC	
211573410103	KANEOHE PASSAGE RNG FRONT LT	21 26 5.13521	157 48 18.12335	29695.797	520211.213	HI 3	0 04 16.50	0.9999950		
211573410088	KANEOHE PASSAGE RNG REAR LT	21 25 53.71911	157 48 27.40855	29344.351	519944.266	HI 3	0 04 13.07	0.9999949		
211573410025	KANEOHE RAD STA KLEI MAST	21 23 39.94000	157 47 23.55673	25232.190	521788.495	HI 3	0 04 35.94	0.9999959		
211573410030	KANEOHE RADIO STA KANI NE TWR	21 24 59.41389	157 47 59.28507	27675.148	520756.261	HI 3	0 04 23.17	0.9999953		
211573410032	KANEOHE RADIO STA KANI SW TWR	21 24 57.81401	157 48 0.81949	27625.886	520712.133	HI 3	0 04 22.60	0.9999953		
201564430014	KANEPUU 1879	20 52 12.18510	156 58 55.53089	59451.283	467177.779	HI 2	-0 06 44.54	0.9999800	550.	12.40
211563310011	KANUPA	21 09 50.03112	156 46 29.63928	91955.679	488759.658	HI 2	-0 02 20.67	0.9999682	611 SC	11.11
211563340015	KAOHU	21 09 43.55992	156 58 6.05810	91782.607	468668.845	HI 2	-0 06 32.08	0.9999788	157 SC	11.48
201561310013	KAONOLU	20 44 23.66839	156 19 58.16695	45046.671	534768.503	HI 2	0 07 5.60	0.9999816		
201553320010	KAPA-AKEA	20 05 24.06303	155 52 14.22876	139150.448	461238.970	HI 1	-0 07 38.31	0.9999852		
201553310001	KAPAAIKI 1913	20 14 7.54878	155 45 12.43683	155225.216	473517.179	HI 1	-0 05 15.59	0.9999753	24.	20.32
211574330007	KAPAKA 1910	21 36 8.96141	157 53 53.02551	48258.155	510555.252	HI 3	0 02 15.11	0.9999914	2 SC	10.19
211573430003	KAPALAMA BASIN LIGHT 1	21 18 32.79619	157 52 22.97397	15776.496	513171.726	HI 3	0 02 46.08	0.9999921		
211573430012	KAPALAMA BASIN LIGHT 3	21 18 45.85305	157 52 43.37437	16177.605	512583.467	HI 3	0 02 38.70	0.9999920		
211573410028	KAPAPA ISLAND	21 28 36.28462	157 47 57.25775	34345.340	520806.101	HI 3	0 04 24.61	0.9999953		
201561130002	KAPULA 1950	20 48 39.79354	156 07 20.80363	52982.986	556652.553	HI 2	0 11 36.10	1.0000063	456.	12.38
201561410002	KAPUAI 1877	20 54 11.31833	156 16 35.70242	63132.126	540582.040	HI 2	0 08 21.05	0.9999870	351.	11.47
201561120011	KAPUKAULUA 1878	20 47 32.03629	156 00 4.29360	50946.486	569283.757	HI 2	0 14 10.46	1.0000260	15.	12.65
211563240002	KAPUPOI	21 09 32.81014	156 42 44.94216	91422.914	495241.585	HI 2	-0 00 59.54	0.9999669	86 SC	11.00
211563240001	KAPUPOI 2 1962	21 09 31.67863	156 42 43.76116	91388.106	495275.646	HI 2	-0 00 59.11	0.9999669	85.0	11.00
201564430021	KAU 1927	20 46 51.36969	156 59 28.71921	49587.012	466198.597	HI 2	-0 06 54.66	0.9999808	16 SC	12.74
201552330005	KAU 1967	20 03 49.91825	155 23 36.99111	136215.938	511128.682	HI 1	0 02 11.40	0.9999682	123 SC	21.99
201561140005	KAUALUA	20 53 38.82578	156 13 37.61918	62146.143	545731.177	HI 2	0 09 24.35	0.9999925		

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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)
201564130006	KAUAULA MAKAI	20 51 11.34041	156 39 43.29728	57547.935	500482.840	HI 2	0 00 5.95	0.9999667		
211563340014	KAUHAKO 1890	21 11 13.26820	156 58 5.11710	94541.503	468701.234	HI 2	-0 06 32.18	0.9999788	124.0	11.30
211563310013	KAUHIAHUA	21 09 49.71826	156 46 52.24004	91946.515	488107.662	HI 2	-0 02 28.83	0.9999684	611 SC	11.13
201553310026	KAUHOLA 1881	20 14 46.79157	155 46 17.22126	156434.960	471638.825	HI 1	-0 05 38.18	0.9999766	10.	20.19
201553310028	KAUHOLA 2 1948	20 14 47.01608	155 46 17.95508	156441.899	471617.539	HI 1	-0 05 38.43	0.9999766	10 SC	20.19
201553310027	KAUHOLA POINT LIGHT	20 14 47.15810	155 46 17.67852	156446.253	471625.573	HI 1	-0 05 38.34	0.9999766		
201553310025	KAUHOLA POINT LIGHT 1948	20 14 46.61486	155 46 17.11509	156429.521	471641.898	HI 1	-0 05 38.14	0.9999766		
201554430003	KAUIKI 1878	20 45 15.25741	155 58 53.82899	46748.440	571339.502	HI 2	0 14 33.95	1.0000295	118.	13.54
201554430001	KAUIKI HEAD LIGHT	20 45 25.52320	155 58 46.47553	47065.062	571550.884	HI 2	0 14 36.67	1.0000299		
201561210017	KAUKUKANAKA	20 39 32.98121	156 02 36.60752	36195.996	564935.418	HI 2	0 13 11.51	1.0000188		
211563340007	KAULAHUKI 1890	21 07 37.70179	156 55 39.95166	87904.434	472877.458	HI 2	-0 05 38.80	0.9999758	1145.0	11.68
211572210010	KAULAPUU AERO BEACON RED LIGHT	21 09 0.37993	157 03 4.45225	90473.227	460057.316	HI 2	-0 08 19.53	0.9999864		11.56
211572210004	KAULUWAI	21 09 28.62452	157 00 48.04848	91332.819	463994.621	HI 2	-0 07 30.48	0.9999827	476 SC	11.52
201564430025	KAUMALAPAU HARBOR BRKWTR LIGHT	20 47 8.73556	156 59 31.99044	50121.260	466105.063	HI 2	-0 06 55.91	0.9999809		
201564430017	KAUMALAPAU NORTH WIRELESS POLE	20 47 10.85297	156 59 18.68400	50185.606	466490.029	HI 2	-0 06 51.20	0.9999805		
201564430026	KAUMALAPAU RED LIGHT	20 47 8.93669	156 59 32.07871	50127.451	466102.523	HI 2	-0 06 55.95	0.9999809		
201564430016	KAUMALAPAU SOUTH WIRELESS POLE	20 47 9.81051	156 59 18.18793	50153.518	466504.312	HI 2	-0 06 51.02	0.9999805		
201564430019	KAUMALAPAU STANDARD OIL N TK	20 47 15.05468	156 59 25.66543	50315.226	466288.379	HI 2	-0 06 53.70	0.9999807		
201564430022	KAUMALAPAU WHITE LIGHT	20 46 58.92530	156 59 29.55259	49819.420	466174.961	HI 2	-0 06 55.00	0.9999808		
201561240003	KAUMIKIAOHU	20 40 47.78497	156 08 4.54179	38462.712	555435.534	HI 2	0 11 16.46	1.0000046		
201552330003	KAUMOALI 2 1948	20 03 44.92559	155 23 35.75556	136062.434	511164.681	HI 1	0 02 11.81	0.9999682	134.	22.00
211572220004	KAUNAKAKAI 1925	21 05 10.30228	157 01 19.47901	83390.230	463070.103	HI 2	-0 07 40.33	0.9999835	2 SC	11.94
211572220010	KAUNAKAKAI HARBOR ENT RNG F LT	21 05 15.78380	157 01 29.16292	83559.438	462790.971	HI 2	-0 07 43.84	0.9999838		
211572220008	KAUNAKAKAI HARBOR ENT RNG R LT	21 05 20.73161	157 01 25.65052	83711.377	462892.691	HI 2	-0 07 42.61	0.9999837		
211572220016	KAUNAKAKAI HARBOR SHACK	21 04 52.00500	157 01 43.83761	82829.091	462365.749	HI 2	-0 07 48.98	0.9999842		
211572220006	KAUNAKAKAI REAR RANGE LIGHT	21 05 21.76158	157 01 24.76991	83742.996	462918.179	HI 2	-0 07 42.30	0.9999837		
211572220005	KAUNAKAKAI WIRELESS MAST	21 05 10.66682	157 01 22.35446	83401.627	462987.133	HI 2	-0 07 41.36	0.9999836		
211563330004	KAUNUOHUA 1925	21 06 52.49278	156 53 8.90448	86507.479	477234.064	HI 2	-0 04 44.19	0.9999731	422 SC	11.71
211563310015	KAUNUPAHU	21 09 34.31600	156 47 28.22230	91473.610	487069.269	HI 2	-0 02 41.79	0.9999687	641 SC	11.19
211563340012	KAUPIKIAWA	21 11 35.64479	156 57 10.10225	95226.747	470289.317	HI 2	-0 06 12.40	0.9999776	111 SC	11.24
201561240005	KAUPO CATHOLIC CHURCH STEEPLE	20 38 2.00822	156 08 20.06159	33363.036	555002.930	HI 2	0 11 9.55	1.0000040		
211572310014	KAUPOA 1925	21 07 50.24990	157 17 30.68295	88395.800	435056.701	HI 2	-0 13 31.39	1.0000188	29.0	11.51
201553320008	KAWAIHAE LIGHT	20 02 29.12433	155 49 58.20186	133762.611	465180.037	HI 1	-0 06 50.63	0.9999816		
201553320007	KAWAIHAE LIGHTHOUSE	20 02 29.11497	155 49 58.21061	133762.324	465179.782	HI 1	-0 06 50.63	0.9999816		
201553320006	KAWAIHAE WIRELESS	20 02 27.25717	155 49 56.24730	133705.081	465236.724	HI 1	-0 06 49.95	0.9999816		
211563310002	KAWAIKAPU 1915	21 09 46.42493	156 45 15.89563	91843.460	490886.960	HI 2	-0 01 54.04	0.9999677	447 SC	11.07
211563310003	KAWAIKAPU 2 1962	21 09 46.21245	156 45 16.33286	91836.932	490874.343	HI 2	-0 01 54.20	0.9999677	447.0	11.07
201553230012	KAWAIWAI 1948	20 02 32.84102	155 44 5.27969	133859.491	475436.233	HI 1	-0 04 49.69	0.9999741	983 SC	23.55
201553230013	KAWAIWAI 2 1948	20 02 32.67674	155 44 5.34675	133854.442	475434.277	HI 1	-0 04 49.71	0.9999741	983.	23.56
201553220003	KAWELA 1881	20 05 47.08404	155 30 10.01465	139815.295	499709.075	HI 1	-0 00 3.44	0.9999667	288.	22.33
201564110018	KEAHIAUO	20 58 10.28737	156 36 25.37353	70433.119	506199.607	HI 2	0 01 16.81	0.9999671		
201561210033	KEAKAAMANU 1878	20 43 32.50016	156 00 27.30068	43576.972	568648.408	HI 2	0 13 59.72	1.0000249	382 SC	14.21
201561210032	KEAKAAMANU 2 1950	20 43 34.79537	156 00 27.21249	43647.570	568650.672	HI 2	0 13 59.77	1.0000249	381.	14.22
201553420007	KEALAEWA 1948	20 15 53.35337	155 52 5.01601	158501.333	461549.494	HI 1	-0 07 38.94	0.9999849	17 SC	20.33
201553420006	KEALAEWA 2 1948	20 15 53.08251	155 52 4.40039	158492.964	461567.340	HI 1	-0 07 38.72	0.9999849	17.	20.33

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MAUI

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)
211574340007	KEANA 1927	21 40 32.05979	157 56 19.70454	56348.000	506333.149	HI 3	0 01 21.37	0.99999905	7 SC	9.81
201561130005	KEANAE UKA 1912	20 51 26.19762	156 09 2.70790	58090.898	553689.415	HI 2	0 11 1.29	1.0000023	126 SC	11.56
201553330001	KEAWANUI 1881	20 06 23.68015	155 52 50.77938	140986.127	460181.303	HI 1	-0 07 51.24	0.9999863	33.	23.35
211563320016	KEAWANUI 1925	21 03 6.63773	156 51 1.20118	79556.838	480911.283	HI 2	-0 03 57.51	0.9999712	2.0	11.97
201553340016	KEHENA 1881	20 08 9.54056	155 53 11.77772	144242.858	459578.888	HI 1	-0 07 59.13	0.9999869	77.	22.91
201553310023	KEHONI HTS 1948	20 14 32.21315	155 51 59.12954	156005.767	461714.790	HI 1	-0 07 36.41	0.9999848	204.	20.79
201564140018	KEKAA 1881	20 55 38.27710	156 41 44.67669	65757.388	496975.507	HI 2	-0 00 37.39	0.9999668	28.	12.07
201564110019	KEKAALAAU	20 57 22.09572	156 36 47.30208	68950.830	505566.684	HI 2	0 01 8.92	0.9999670		
211573410021	KEKEPA ISLAND	21 27 42.87977	157 46 31.99273	32706.138	523263.050	HI 3	0 04 55.64	0.9999967		
201561310016	KEOKEA KULA SANITORIUM LT ROD	20 42 4.83974	156 21 26.31523	40772.199	532226.548	HI 2	0 06 33.69	0.9999795		
211563340019	KEOLEWA 1925.	21 10 28.78485	156 58 39.68841	93175.357	467701.380	HI 2	-0 06 44.45	0.9999796	644 SC	11.39
211563340011	KEPONO 1962	21 10 37.61911	156 56 48.20839	93441.059	470917.641	HI 2	-0 06 4.22	0.9999771	27.0	11.35
211563310004	KEPOOKOHOLUA	21 09 44.79532	156 45 29.57620	91793.565	490492.270	HI 2	-0 01 58.98	0.9999678	474 SC	11.08
201553420002	KEPUHI 1913	20 15 52.10225	155 49 51.07648	158454.648	465436.229	HI 1	-0 06 52.54	0.9999814	23 SC	20.14
201553420003	KEPUHI 2 1948	20 15 51.52451	155 49 51.19023	158436.888	465432.893	HI 1	-0 06 52.57	0.9999814	22.	20.15
211573420126	KEWALO 1928	21 17 38.27044	157 51 28.60001	14100.861	514740.325	HI 3	0 03 5.72	0.9999927	3 SC	10.59
211573420125	KEWALO BASIN F RNG LT	21 17 38.68305	157 51 27.84891	14113.571	514761.963	HI 3	0 03 5.99	0.9999927		
211573420121	KEWALO BASIN R RNG LT	21 17 40.57880	157 51 26.45602	14171.912	514802.058	HI 3	0 03 6.50	0.9999927		
201564230008	KID	20 30 27.75033	156 39 19.98798	19304.390	501159.282	HI 2	0 00 14.02	0.9999667		
201564430011	KIEI 1962	20 47 43.45392	156 58 35.14078	51185.729	467751.264	HI 2	-0 06 35.91	0.9999795	215.	12.68
201561210024	KIEIEI 1912	20 39 59.28646	156 03 31.46145	36998.964	563344.586	HI 2	0 12 52.42	1.0000162	295 SC	15.57
211572320006	KIHAAPILANI 1915	21 06 9.48288	157 17 44.26846	85298.206	434652.424	HI 2	-0 13 35.26	1.0000194	65.41	11.61
201561430016	KIHEI	20 46 41.15483	156 27 26.87671	49253.006	521781.998	HI 2	0 04 27.17	0.9999725	11 SC	13.70
201561430014	KIHEI MILL	20 46 49.85493	156 27 19.43212	49520.841	521996.963	HI 2	0 04 29.84	0.9999726		
201561430018	KIHEI RADIO STA WWVH MAST	20 45 51.39469	156 27 33.50758	47722.484	521592.182	HI 2	0 04 24.65	0.9999724	6 SC	13.90
201561430020	KIHEI STACK-PIPE	20 47 8.58205	156 27 35.51348	50096.156	521531.122	HI 2	0 04 24.20	0.9999724		
201561420007	KIKALAPUU	20 46 55.55938	156 19 37.87663	49719.035	535345.687	HI 2	0 07 13.63	0.9999821	756.	13.45
211563310021	KIKIPUA 1925	21 10 30.08930	156 48 15.26943	93190.004	485713.496	HI 2	-0 02 58.90	0.9999692	13 SC	11.09
211563310020	KIKIPUA 2 1962	21 10 30.03874	156 48 15.20462	93188.447	485715.364	HI 2	-0 02 58.88	0.9999692	12.53	11.09
201564120020	KILEA 1912	20 49 8.30087	156 37 4.03202	53764.850	505088.006	HI 2	0 01 2.54	0.9999670	81.	13.06
211572210002	KILOHANA 1925	21 10 29.65971	157 00 20.56784	93208.226	464791.437	HI 2	-0 07 20.89	0.9999820	509 SC	11.40
211563310010	KIOKIO 1962	21 10 14.16200	156 46 24.46135	92697.708	488909.531	HI 2	-0 02 18.85	0.9999682	540.0	11.05
201561210038	KIPAHULU CATHOLIC CHURCH 1912	20 39 20.04330	156 02 57.98849	35795.742	564318.035	HI 2	0 13 3.84	1.0000178	66 SC	15.80
201561210037	KIPAHULU CATHOLIC CHURCH 1950	20 39 20.07788	156 02 57.94707	35796.810	564319.230	HI 2	0 13 3.86	1.0000178	66.	15.80
201561210023	KIPAHULU OLD SUGAR MILL STACK	20 39 14.07197	156 03 21.59709	35609.518	563635.335	HI 2	0 12 55.45	1.0000167		
201561210022	KIPAHULU PROT CH 1881	20 39 3.15392	156 03 18.86995	35274.044	563715.541	HI 2	0 12 56.30	1.0000168	50 SC	15.90
201561210021	KIPAHULU PROT CH 1950 RM 1	20 39 3.27283	156 03 18.35464	35277.757	563730.444	HI 2	0 12 56.49	1.0000168	59.	15.90
201561440017	KIRKLANDS FLAGSTAFF	20 53 36.56883	156 27 51.39086	62027.437	521056.941	HI 2	0 04 19.85	0.9999721		
201561210012	KOA 1950	20 41 50.82396	156 01 42.86969	40441.252	566474.245	HI 2	0 13 31.91	1.0000213	464.	14.89
201553310024	KOHALA LATITUDE STATION 1881	20 14 46.80376	155 46 17.06671	156435.328	471643.311	HI 1	-0 05 38.12	0.9999766	10 SC	20.19
201553310005	KOHALA MILL STACK	20 14 2.57544	155 46 45.09127	155076.603	470827.677	HI 1	-0 05 47.62	0.9999772		
201552320008	KOHOLELE 1877	20 01 9.60678	155 21 27.53714	131289.099	514894.291	HI 1	0 02 55.44	0.9999694	461.	21.77
211573130013	KOKO CRATER	21 17 6.22174	157 41 10.62957	13140.905	532554.435	HI 3	0 06 49.97	1.0000031		
211573130022	KOKO HEAD 1872	21 15 50.79077	157 42 13.30129	10817.480	530752.245	HI 3	0 06 26.86	1.0000017	199 SC	10.79
211573130021	KOKO HEAD 2 1925	21 15 56.15420	157 42 10.48851	10982.588	530833.026	HI 3	0 06 27.91	1.0000017	198 SC	10.79

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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)
211573130023	KOKO HEAD 3 1927.	21 15 46.78858	157 42 14.58925	10694.320	530715.345	HI 3	0 06 26.37	1.0000017	196.	10.79
211573130030	KOKO HEAD DATUM POINT	21 15 35.68295	157 42 34.78335	10351.679	530133.781	HI 3	0 06 19.00	1.0000012		
201561310009	KOLEKOLE HGS 1876	20 42 26.29141	156 15 22.25080	41455.302	542759.881	HI 2	0 08 42.53	0.9999893	3052.	14.71
211572230009	KOLO 1962	21 05 47.41726	157 11 2.90863	84577.851	446233.862	HI 2	-0 11 10.55	1.0000024	83.0	11.76
211573420186	KONAHUANUI 1872	21 21 11.92333	157 47 19.56572	20679.953	521909.569	HI 3	0 04 36.89	0.9999959	947 SC	10.55
211573420185	KONAHUANUI 2 1927	21 21 12.04997	157 47 19.48890	20683.851	521911.777	HI 3	0 04 36.92	0.9999959	947 SC	10.55
201561130008	KOOLAU 1950	20 45 39.46600	156 13 22.04881	47405.256	546221.780	HI 2	0 09 26.44	0.9999931	2282.	13.63
211573130011	KOOLAU RNG NIKE SITE RADAR ANT	21 19 13.51193	157 40 51.58742	17056.927	533095.416	HI 3	0 06 57.55	1.0000035		
211572240011	KOPALA 1925	21 07 44.50453	157 11 59.21218	88184.245	444620.898	HI 2	-0 11 31.84	1.0000046	391 SC	11.60
201564440003	KUAHUA SHIPWRECK STERNHSE FP	20 55 16.81119	156 54 37.35217	65116.216	474649.020	HI 2	-0 05 13.29	0.9999746		
211574320008	KUALOA 1927	21 31 39.32082	157 50 34.36326	39969.691	516277.724	HI 3	0 03 27.56	0.9999933	497 SC	10.42
211573130026	KUAPA 1928	21 17 21.38943	157 42 18.30317	13603.638	530602.839	HI 3	0 06 25.48	1.0000016	50.0	10.73
201561240004	KUIKI	20 43 4.47168	156 08 16.26539	42665.213	555082.518	HI 2	0 11 13.50	1.0000041	438 SC	11.58
211572240008	KUIKUI 1925	21 08 16.68495	157 10 2.43682	89162.998	447993.650	HI 2	-0 10 50.00	1.0000001	438.	22.52
201553220002	KUILEI 1877	20 05 3.02330	155 30 2.02741	138460.404	499941.099	HI 1	-0 00 0.70	0.9999667	2 SC	9.63
211581210001	KUILIMA 1932	21 42 24.54014	157 59 57.61997	59806.304	500068.407	HI 3	0 00 0.88	0.9999900	266 SC	22.26
201552330006	KUKUI 1967	20 03 27.89238	155 24 32.49974	135537.680	509516.195	HI 1	-0 01 13.31	0.9999671		
201553210004	KUKUIHAELE LANDNG PAC MILL STK	20 07 36.94196	155 33 33.05051	143194.585	493812.097	HI 1	-0 01 9.65	0.9999671		
201553210001	KUKUIHAELE LIGHT	20 07 39.82517	155 33 22.40973	143283.138	494121.181	HI 1	-0 01 13.03	0.9999671		
201553210003	KUKUIHAELE STACK	20 07 34.45166	155 33 32.24681	143117.998	493835.413	HI 1	-0 01 13.03	0.9999678	287.	22.27
201552330007	KUKUILAMALAMAHEE 1948	20 03 24.86475	155 24 33.82208	135444.558	509477.822	HI 1	0 01 51.86	0.9999996	50.	10.72
211573130039	KULIOUOU 1928	21 17 0.43256	157 43 52.83393	12954.229	527879.122	HI 3	0 05 51.07	0.9999996	261.	11.36
201561410013	KULOLI 2 1950	20 55 0.36777	156 16 58.64822	64638.990	539915.328	HI 2	0 08 13.16	0.9999863	24 SC	11.50
211563230006	KUMIMI	21 06 28.86197	156 44 40.73516	85767.036	491898.297	HI 2	-0 01 41.10	0.9999675	21.43	11.50
211563230007	KUMIMI 2 1962	21 06 28.85476	156 44 40.73740	85766.815	491898.232	HI 2	-0 01 41.10	0.9999675		
211573420058	KUMULAE	21 17 33.80338	157 49 31.38696	13966.865	518118.971	HI 3	0 03 48.27	0.9999941	100.	10.71
211573130040	KUPAUA 1969	21 17 8.69612	157 43 53.01812	13208.372	527873.380	HI 3	0 05 51.04	0.9999996	22 SC	11.80
211563230005	KUPEKE	21 04 20.70422	156 47 29.54102	81828.768	487023.653	HI 2	-0 02 41.63	0.9999687	14.0	11.60
211572320008	LAAU 1962	21 06 7.31492	157 18 31.59133	85236.984	433286.358	HI 2	-0 13 52.27	1.0000216		
211572320007	LAAU POINT LIGHT	21 05 58.89328	157 18 18.40117	84976.440	433666.005	HI 2	-0 13 47.44	1.0000210		
201561440031	LAD	20 53 36.20756	156 28 38.15411	62014.679	519705.483	HI 2	0 04 3.17	0.9999715	41.	12.33
201564440001	LAE 1962	20 53 27.47805	156 52 27.75710	61748.570	478389.317	HI 2	-0 04 26.64	0.9999724		
201564140006	LAHAINA CHURCH	20 52 27.92176	156 40 35.77693	59903.082	498965.911	HI 2	-0 00 12.75	0.9999667		
201564130010	LAHAINA COURTHOUSE	20 52 17.53878	156 40 41.26653	59583.782	498807.218	HI 2	-0 00 14.70	0.9999667	8.80	12.54
201564130008	LAHAINA NORTHWEST BASE 1950	20 51 46.89520	156 40 7.99395	58641.353	499768.927	HI 2	-0 00 2.85	0.9999667		
201564140005	LAHAINA PIONEER SUGAR MILL STK	20 52 42.55305	156 40 35.10252	60353.041	498985.431	HI 2	-0 00 12.51	0.9999667		
201564130009	LAHAINA PROTESTANT CHURCH	20 52 10.54764	156 40 24.40678	59368.755	499294.529	HI 2	-0 00 8.69	0.9999667	8.	12.81
201564130005	LAHAINA SOUTHEAST BASE 1950	20 50 15.19235	156 38 57.21615	55821.296	501815.134	HI 2	0 00 22.33	0.9999667		
201553310008	LAHIKIOLA	20 08 52.28003	155 47 49.86465	145537.933	468930.564	HI 1	-0 06 8.51	0.9999786	1032.	22.37
201553310007	LAHIKIOLA EAST 1948	20 08 52.31517	155 47 49.76513	145539.009	468933.456	HI 1	-0 06 8.48	0.9999786	1020.	22.40
201553310009	LAHIKIOLA WEST JBM 1948	20 08 47.82053	155 47 57.40783	145401.192	468711.258	HI 1	-0 06 11.09	0.9999788	13 SC	9.96
211574340002	LAIE 1 1927	21 38 55.07967	157 54 56.29091	53368.320	508732.782	HI 3	0 01 52.04	0.9999909	8.96	9.96
211574340001	LAIE POINT	21 38 54.42368	157 54 51.94652	53346.213	508857.711	HI 3	0 01 53.64	0.9999910	16 SC	9.96
211574340003	LAIE-LAIE 2 1875	21 38 54.77543	157 55 6.50467	53356.806	508439.103	HI 3	0 01 48.27	0.9999909	199.	12.26
201564140004	LAINA 1931	20 53 45.70998	156 40 5.10188	62295.295	499852.557	HI 2	-0 00 1.82	0.9999667		

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* For conversion of meters to International Feet multiply the meters by 100.0/30.48 which is 3.28083989601 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)
211572240010	LAINA KAA 1885	21 12 30.89921	157 11 52.34214	96991.736	444848.629	HI 2	-0 11 31.83	1.0000042	202.0	11.14
211563240005	LAMALOA	21 10 15.67789	156 44 25.25748	92742.372	492348.201	HI 2	-0 01 35.80	0.9999674	851 SC	10.96
201564430010	LAN 2 1965	20 47 18.31632	156 56 58.87397	50407.553	470533.864	HI 2	-0 06 1.62	0.9999774	397 SC	12.73
201564430009	LAN USN 1962	20 47 17.89987	156 56 58.57746	50394.731	470542.417	HI 2	-0 06 1.51	0.9999774	398.	12.73
201564430004	LANAI CITY DOLE CORP TANK	20 48 26.80257	156 53 50.67972	52505.062	475979.534	HI 2	-0 04 55.08	0.9999738		
211574340023	LAND SURV PIPE NR KAHUKU NEW 2	21 42 34.82670	157 58 26.33365	60122.913	502692.127	HI 3	0 00 34.65	0.9999901	5 SC	9.61
211573140025	LANIKAI	21 23 44.63360	157 43 13.27495	25387.787	528997.360	HI 3	0 06 7.26	1.0000004	21 SC	10.50
211573420006	LANIPO 1927	21 19 54.34779	157 45 35.00096	18298.373	524925.934	HI 3	0 05 14.66	0.9999977	800 SC	10.60
211574320003	LARGE CHIMNEY	21 31 20.91112	157 50 7.29382	39404.277	517057.318	HI 3	0 03 37.44	0.9999936		
201561440013	LAST	20 53 48.21958	156 27 26.34148	62386.666	521780.408	HI 2	0 04 28.82	0.9999725		
201564120006	LAU	20 47 30.27872	156 30 46.71063	50757.221	516000.907	HI 2	0 03 16.40	0.9999698		
201564130004	LAUNIUPOKO 1879	20 50 25.19907	156 38 2.08838	56129.283	503408.861	HI 2	0 00 41.95	0.9999668	247.	12.79
201561330006	LAVA	20 36 36.24914	156 26 24.29201	30652.911	523618.090	HI 2	0 04 47.14	0.9999736		
201564420017	LEHUA 1962	20 47 31.94613	156 51 32.58643	50812.817	479970.729	HI 2	-0 04 5.86	0.9999716	822.	12.85
211563340008	LEINAOPAPIO 1925	21 10 21.29996	156 55 42.71829	92935.943	472805.923	HI 2	-0 05 40.49	0.9999758	48 SC	11.37
211563310009	LELEMAKO	21 10 13.84897	156 46 23.02877	92688.053	488950.849	HI 2	-0 02 18.33	0.9999682	583 SC	11.05
201564120003	LEW	20 47 41.53634	156 30 24.41199	51104.053	516645.433	HI 2	0 03 24.35	0.9999701		
201553210005	LIFT	20 07 38.11522	155 33 33.46615	143230.667	493800.038	HI 1	-0 01 13.46	0.9999671		
201564440010	LIGHT TOWER	20 54 52.64615	156 54 3.54030	64371.599	475624.928	HI 2	-0 05 1.13	0.9999740		
201561330014	LIGHTHOUSE	20 35 59.04828	156 26 10.44218	29509.456	524020.721	HI 2	0 04 51.87	0.9999738		
201564120018	LIHA 1950	20 50 53.46639	156 36 17.31349	56999.482	506437.602	HI 2	0 01 19.25	0.9999672	1120.	12.73
211573430050	LIKINI 1969	21 21 3.02020	157 55 28.33965	20393.302	507827.175	HI 3	0 01 38.91	0.9999908	56.	10.51
211573420105	LILLIHAIU 1961	21 17 24.83457	157 50 55.94371	13688.508	515681.990	HI 3	0 03 17.54	0.9999930	1.0	10.60
201564420001	LOPA 1962	20 48 46.85189	156 48 34.16853	53111.041	485132.539	HI 2	-0 03 2.69	0.9999694	31.	12.80
201553430002	LORAN A TOWER	20 15 3.97653	155 53 12.89897	156987.411	459576.032	HI 1	-0 08 2.14	0.9999869		
201553430004	LORAN A TOWER 1977	20 15 3.98962	155 53 12.90070	156987.814	459575.983	HI 1	-0 08 2.14	0.9999869		20.70
201553430001	LORAN C TOWER	20 14 50.21231	155 53 7.80827	156563.795	459722.788	HI 1	-0 08 0.29	0.9999867		
201553430003	LORAN TOWER	20 15 5.18395	155 53 13.44531	157024.578	459560.263	HI 1	-0 08 2.33	0.9999869		
201571120001	LOST 1927	20 50 50.04395	157 00 23.35417	56930.318	464633.914	HI 2	-0 07 15.37	0.9999821	2 SC	12.48
201564220014	LOW	20 35 32.43660	156 34 15.31956	28677.024	509981.049	HI 2	0 02 1.23	0.9999679		
201564220013	LOW 2 1963	20 35 31.54482	156 34 13.43607	28649.632	510035.607	HI 2	0 02 1.89	0.9999679	236.	16.00
211573430100	LUA	21 20 52.52837	157 53 36.11569	20072.489	511060.833	HI 3	0 02 19.75	0.9999915	4 SC	10.52
201561410005	LUAHINE-KAUHIKOA 1912	20 53 33.96522	156 19 3.59379	61973.542	536310.660	HI 2	0 07 28.06	0.9999830	375 SC	11.78
201561320004	LUALAILUA 1879	20 36 47.25590	156 18 27.36318	31016.243	537426.500	HI 2	0 07 35.09	0.9999840	598.	16.17
211573130037	LUCAS 1925	21 16 59.19665	157 43 52.14755	12916.251	527898.973	HI 3	0 05 51.31	0.9999996	7 SC	10.72
201561440045	LUKE 1912	20 52 49.13099	156 29 46.54963	60564.701	517730.369	HI 2	0 03 38.64	0.9999706	93.	12.39
201564220019	LUMP 1904	20 30 40.58902	156 35 9.97972	19701.235	508402.662	HI 2	0 01 41.62	0.9999675	189 SC	16.36
211573420085	LUNALILO HOME SPIRE	21 18 30.89167	157 50 16.90946	15721.250	516805.037	HI 3	0 03 31.89	0.9999935		
211573130018	LUNALILO HOME WATER TANK	21 16 55.40806	157 41 49.23540	12806.148	531442.241	HI 3	0 06 35.91	1.0000022		
211563230005	LUPEHU 1915	21 07 0.27766	156 44 9.63474	86732.783	492796.242	HI 2	-0 01 29.94	0.9999673	46.96	11.42
211573420104	MAGIC ISLAND 1969	21 17 3.51092	157 50 53.94665	13032.743	515740.184	HI 3	0 03 18.22	0.9999931	4.	10.60
201552330009	MAHAKUOLO 2 1948	20 04 56.30409	155 25 22.34897	138255.650	508066.466	HI 1	0 01 35.34	0.9999675	82.	22.12
201552330008	MAHAKUOLO 3 1967	20 04 55.98205	155 25 21.91871	138245.752	508078.971	HI 1	0 01 35.48	0.9999675	82 SC	22.12
211563320009	MAHILIKUA	21 03 55.57245	156 48 41.83421	81057.631	484936.148	HI 2	-0 03 7.57	0.9999695	1 SC	11.87
201561340036	MAHOE 1950	20 37 54.81653	156 23 4.25334	33078.116	529405.871	HI 2	0 05 57.91	0.9999773	811.	15.82

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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)
201553340005	MAHU 1913	20 13 49.10164	155 53 56.44526	154687.890	458306.692	HI 1	-0 08 16.72	0.9999881	6 SC	21.17
201553340006	MAHUKONA HARBOR CHURCH SPIRE	20 11 6.44341	155 54 1.40066	149686.259	458150.784	HI 1	-0 08 17.37	0.9999883		
201553340009	MAHUKONA HARBOR FLAG A	20 10 18.51382	155 54 3.23899	148212.487	458093.852	HI 1	-0 08 17.69	0.9999884		
201553340010	MAHUKONA HARBOR LIGHT MAST	20 10 50.56054	155 54 5.36230	149198.116	458034.580	HI 1	-0 08 18.63	0.9999884		
201553340014	MAHUKONA HARBOR N DAY BEACON	20 11 13.28734	155 54 10.33049	149897.346	457892.025	HI 1	-0 08 20.50	0.9999886		
201553340012	MAHUKONA HARBOR S DAY BEACON	20 10 50.66117	155 54 5.91884	149201.250	458018.429	HI 1	-0 08 18.82	0.9999884		
201553340008	MAHUKONA HARBOR SCHOOLHOUSE FS	20 11 4.89453	155 54 2.01882	149638.672	458132.721	HI 1	-0 08 17.57	0.9999883	7 SC	22.08
201553340007	MAHUKONA HARBOR WHARF DERRICK	20 11 1.93263	155 54 1.42178	149547.547	458149.836	HI 1	-0 08 17.35	0.9999883		
201553340011	MAHUKONA LIGHT	20 10 49.18830	155 54 5.33985	149155.916	458035.130	HI 1	-0 08 18.61	0.9999884	39 SC	
201564230022	MAKA 1963	20 33 40.26093	156 39 34.00341	25224.460	500752.946	HI 2	0 00 9.13	0.9999667	10.	15.70
201554340002	MAKAALAE 1950	20 42 31.04836	155 59 20.80694	41695.007	570580.219	HI 2	0 14 22.57	1.0000282	11.	14.63
201554340005	MAKAALAE STONE PIER	20 42 32.09480	155 59 21.29950	41727.129	570565.831	HI 2	0 14 22.41	1.0000282	11 SC	14.62
201561210035	MAKAHAHANA 2 1950	20 42 13.54539	156 01 9.34210	41143.876	567441.705	HI 2	0 13 44.00	1.0000229	396.	14.75
201561210034	MAKAHAHANA PIPE 1950	20 42 13.54004	156 01 9.32689	41143.713	567442.146	HI 2	0 13 44.01	1.0000229	396 SC	14.75
211563330014	MAKAKUPAIA 1925	21 06 47.43662	156 57 1.21215	86362.576	470529.895	HI 2	-0 06 7.85	0.9999774	797 SC	11.79
211563330016	MAKAKUPAIA 2 1962	21 06 47.27041	156 57 1.26250	86357.467	470528.432	HI 2	-0 06 7.87	0.9999774	797.0	11.79
201561210008	MAKALIIHANAU 1878	20 41 21.51425	156 01 9.02290	39543.742	567457.333	HI 2	0 13 43.57	1.0000229	188.	15.08
211573130003	MAKAPUU POINT 1872	21 18 30.05469	157 39 10.32709	15726.524	536016.546	HI 3	0 07 34.12	1.0000060	198.	10.72
211573130004	MAKAPUU POINT 1872 RM 3	21 18 29.68484	157 39 10.56821	15715.134	536009.622	HI 3	0 07 34.03	1.0000060	200.	10.72
211573130001	MAKAPUU POINT LIGHT	21 18 35.59696	157 38 59.07806	15897.699	536340.376	HI 3	0 07 38.24	1.0000063		
211573130002	MAKAPUU PT CG RADIO MAST	21 18 31.63992	157 39 4.93414	15775.622	536171.869	HI 3	0 07 36.09	1.0000062	4.	15.49
201561340007	MAKENA TIDAL BENCH MARK 2 1931	20 39 14.50308	156 26 31.72721	35519.327	523396.090	HI 2	0 04 45.10	0.9999734	123 SC	10.58
211573420070	MAKIKI 1927	21 18 40.67446	157 49 54.94111	16022.789	517437.860	HI 3	0 03 39.90	0.9999938	158.0	10.45
211573410062	MAKIKIKI 1969	21 28 55.39790	157 52 8.45475	34925.527	513574.209	HI 3	0 02 52.68	0.9999923	1 SC	12.02
211563330010	MAKOLELAU	21 03 39.20100	156 56 4.27253	80570.678	472163.328	HI 2	-0 05 46.52	0.9999762		
201564140010	MALA BALDWIN CANNERY STACK	20 53 13.23319	156 41 4.68429	61296.630	498130.535	HI 2	-0 00 23.06	0.9999667		
211574320007	MALIAHONO HOUSE DOORWAY 1932	21 32 31.00846	157 50 32.61774	41559.471	516326.351	HI 3	0 03 28.33	0.9999933	10.39	
211563230001	MALO 1882	21 01 20.44995	156 38 18.09943	76280.427	502942.420	HI 2	0 00 36.56	0.9999668	42 SC	11.77
211563230002	MALO 2 1950	21 01 20.38093	156 38 18.36727	76278.303	502934.687	HI 2	0 00 36.46	0.9999668	42.	11.77
211573130005	MANANA ISLAND	21 19 40.31199	157 39 22.28471	17886.602	535667.201	HI 3	0 07 30.17	1.0000057		
211563320014	MANAWAI	21 03 14.10601	156 50 9.56205	79784.868	482402.339	HI 2	-0 03 38.98	0.9999705	1 SC	11.95
201561240017	MANEONEO 1881	20 37 35.80363	156 10 6.77146	32547.413	551916.103	HI 2	0 10 31.73	1.0000000	110 SC	16.23
201564140002	MANINI 1882	20 55 43.55124	156 38 56.96905	65919.412	501821.178	HI 2	0 00 22.52	0.9999667	385.	12.03
201564430018	MANUI 1927	20 47 44.06735	156 59 24.36724	51207.387	466327.711	HI 2	-0 06 53.39	0.9999807	31 SC	12.68
211563320007	MAPULEHU 1915	21 04 1.61778	156 48 7.53586	81242.679	485926.403	HI 2	-0 02 55.25	0.9999691	2.0	11.84
211573430048	MARKOWITZ MOON TELESCOPE 1957	21 20 39.80119	157 54 58.62429	19679.618	508683.725	HI 3	0 01 49.69	0.9999909		
211573130028	MAST-MOST WESTERLY RADIO MAST	21 16 38.47155	157 42 26.15256	12283.245	530379.031	HI 3	0 06 22.43	1.0000014		
201561440009	MAUI N BASE	20 53 48.29901	156 26 48.15489	62390.583	522883.984	HI 2	0 04 42.44	0.9999731	2.02	12.18
201561340018	MAUI RADIO RANGE TOWER	20 37 55.45355	156 26 42.55304	33087.919	523086.040	HI 2	0 04 40.99	0.9999733		
201561430029	MAUI SECOR AMS 1966	20 49 25.47317	156 27 57.07939	54305.201	520902.177	HI 2	0 04 17.00	0.9999721	29.	13.06
201561430030	MAUI SECOR AMS RM 2 1966	20 49 26.54020	156 27 57.53906	54337.999	520888.846	HI 2	0 04 16.84	0.9999721	29.	13.06
201561430022	MAUI SOUTH BASE 1871	20 50 36.15030	156 28 34.98216	56477.421	519803.704	HI 2	0 04 3.74	0.9999715	49.	12.81
201553310006	MAULILI HITS 1948	20 12 34.92134	155 47 7.30392	152382.230	470178.321	HI 1	-0 05 54.89	0.9999777	296.	21.07
211572240006	MAUNA LOA 1872	21 08 32.04822	157 09 24.98228	89632.126	449075.817	HI 2	-0 10 36.62	0.9999987	420.0	11.56
201564420015	MAUNA OUNE	20 47 43.75743	156 50 0.61009	51173.091	482631.023	HI 2	-0 03 33.24	0.9999704		

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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)
211573130049	MAUNALUA 1928	21 17 46.26994	157 42 14.23593	14369.077	530718.640	HI 3	0 06 27.08	1.0000017	158.0	10.71
211573130031	MAUNALUA BAY DATUM POINT	21 16 1.45155	157 42 38.89962	11143.992	530013.657	HI 3	0 06 17.63	1.0000011		
211573420027	MAUUMEA 1927	21 17 8.96866	157 47 50.89108	13206.520	521016.626	HI 3	0 04 24.68	0.9999955	103 SC	10.65
201561310010	MAWINI-PUU 1882	20 38 39.16030	156 16 34.26886	34465.170	540692.762	HI 2	0 08 15.62	0.9999871	976 SC	15.78
201564120001	MAY	20 47 48.02467	156 30 3.66804	51304.194	517245.124	HI 2	0 03 31.73	0.9999703	51 SC	13.45
211573420189	MC WAYNES LIGHT 1952	21 19 29.07314	157 49 0.51301	17513.071	519004.757	HI 3	0 03 59.83	0.9999945	411.	10.57
211573410078	MEAS HALF-MILE N RNG FRONT	21 25 40.22519	157 46 12.63904	28934.555	523825.790	HI 3	0 05 2.26	0.9999970		
211573410077	MEAS HALF-MILE N RNG REAR	21 25 39.25886	157 46 10.83898	28904.910	523877.671	HI 3	0 05 2.91	0.9999970		
211573410081	MEAS HALF-MILE S RNG FRONT	21 25 12.41422	157 46 20.87696	28078.851	523589.800	HI 3	0 04 59.15	0.9999969		
211573410080	MEAS HALF-MILE S RNG REAR	21 25 12.10919	157 46 20.09264	28069.502	523612.401	HI 3	0 04 59.43	0.9999969		
201561340022	MID	20 37 52.38264	156 26 46.60080	32993.321	522968.985	HI 2	0 04 39.56	0.9999732		
211573430066	MID P USN 1960	21 21 18.71499	157 57 3.43523	20874.923	505087.096	HI 3	0 01 4.30	0.9999903	2 SC	10.50
211572210011	MIDDLE HILL 1885	21 08 59.69883	157 03 4.69290	90452.297	460050.322	HI 2	-0 08 19.62	0.9999864	311.0	11.57
201564110014	MIDDLE OF ROOF	20 58 30.71438	156 32 9.51909	71065.717	513589.602	HI 2	0 02 48.42	0.9999689		
211573130020	MILITRES 1926	21 20 38.48408	157 42 6.63802	19666.089	530927.616	HI 3	0 06 30.67	1.0000018	3 SC	10.60
201561440018	MILL	20 53 39.14523	156 27 55.50628	62106.521	520937.905	HI 2	0 04 18.39	0.9999721		
211573430016	MILL CHIMNEY	21 20 12.07860	157 53 4.18577	18829.077	511981.741	HI 3	0 02 31.29	0.9999918		
201564420020	MINII 1976	20 45 28.46602	156 50 31.04718	47013.406	481746.298	HI 2	-0 03 43.66	0.9999708	10.	13.11
201561430028	MINITRACK AMS 1986	20 49 28.69088	156 27 48.10407	54404.481	521161.561	HI 2	0 04 20.20	0.9999722	31 SC	13.05
201564410001	MO-WINDMILL	20 52 30.93346	156 51 18.46383	60007.162	480389.906	HI 2	-0 04 1.76	0.9999714		
211573420191	MOANA HOTEL FLAGSTAFF	21 16 35.65884	157 49 35.80165	12178.457	517993.687	HI 3	0 03 46.50	0.9999940		
211573420192	MOANA HOTEL FLAGSTAFF OLD	21 16 35.72951	157 49 35.85581	12180.628	517992.124	HI 3	0 03 46.48	0.9999940		
211563310006	MOANUI 1915	21 07 31.04675	156 45 51.44736	87680.603	489858.795	HI 2	-0 02 6.66	0.9999679	474 SC	11.41
211573140011	MOK 1965	21 27 10.81563	157 44 2.18632	31726.718	527577.770	HI 3	0 05 50.31	0.9999994	74 SC	10.43
211573140012	MOK TRAVERSE POINT A 1965	21 27 11.55484	157 44 2.23460	31749.451	527576.341	HI 3	0 05 50.30	0.9999994	74 SC	10.43
211563340005	MOKAPU	21 11 0.25398	156 55 25.48112	94133.145	473305.098	HI 2	-0 05 34.43	0.9999755		
211573140009	MOKAPU 1872	21 27 15.34782	157 43 54.78088	31866.475	527790.753	HI 3	0 05 53.04	0.9999995	203.	10.43
211573410001	MOKAPU WINDMILL 1	21 27 6.02500	157 44 55.62926	31576.835	526039.247	HI 3	0 05 30.75	0.9999984		
211573140018	MOKAPU WINDMILL 2	21 27 2.50973	157 44 36.16196	31469.627	526599.943	HI 3	0 05 37.85	0.9999987		
211573140015	MOKAPU WINDMILL 3	21 26 44.45121	157 44 13.84399	30915.279	527243.476	HI 3	0 05 45.93	0.9999992		
211573420163	MOKAUEA 1928	21 20 26.04604	157 51 58.89229	19260.144	513862.819	HI 3	0 02 55.08	0.9999924	75 SC	10.53
211563340022	MOKOHOLA	21 10 17.48439	156 52 31.94695	92810.432	478308.865	HI 2	-0 04 31.58	0.9999725	3 SC	11.29
211563340001	MOKOHOLA 2 1962	21 10 17.79169	156 52 32.45696	92819.903	478294.165	HI 2	-0 04 31.76	0.9999725	6.0	11.29
211563340023	MOKOHOLA HIGS 1962	21 10 17.48186	156 52 32.04312	92810.358	478306.091	HI 2	-0 04 31.61	0.9999725	3 SC	11.29
211573140005	MOKOLEA ROCK HIGHEST PART	21 25 54.98290	157 43 10.34636	29396.987	529074.550	HI 3	0 06 8.93	1.0000004		
211574320001	MOKOLII ISLAND	21 30 34.40613	157 49 46.13155	37974.604	517667.904	HI 3	0 03 45.08	0.9999939		
211574320011	MOKOLII ISLAND 2' 1976	21 30 34.47430	157 49 46.16034	37976.700	517667.073	HI 3	0 03 45.07	0.9999939	64.	10.44
211563240008	MOKUHOONIKI 1915	21 07 57.24792	156 42 11.56373	88483.721	496203.843	HI 2	-0 00 47.43	0.9999668	63 SC	11.22
211563240007	MOKUHOONIKI 2 1962	21 07 57.31757	156 42 11.56586	88485.863	496203.782	HI 2	-0 00 47.43	0.9999668	61.0	11.22
201561210040	MOKUIA 1881	20 38 31.05988	156 05 43.58501	34271.789	559529.873	HI 2	0 12 4.96	1.0000104	86 SC	16.04
201561210039	MOKUIA 2 1950	20 38 31.04900	156 05 43.58282	34271.454	559529.938	HI 2	0 12 4.96	1.0000104	86.	16.05
211573140001	MOKULUA ISLAND	21 23 30.23150	157 41 54.05919	24949.056	531279.929	HI 3	0 06 36.09	1.0000021		
211573410024	MOKUOLDE ISLAND	21 26 0.79731	157 47 16.78456	29564.672	521977.708	HI 3	0 04 38.90	0.9999960		
211574320004	MOLII	21 31 3.97221	157 50 9.78276	38883.222	516986.237	HI 3	0 03 36.49	0.9999936	1.71	10.43
211563340017	MOLOKAI LIGHTHOUSE	21 12 34.27601	156 58 10.72945	97033.186	468544.116	HI 2	-0 06 34.61	0.9999789		

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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)
211572210016	MOLOKAI NORTH BASE 1885	21 08 41.25311	157 06 47.64461	89901.835	453616.272	HI 2	-0 09 39.93	0.9999932	123.0	11.57
211572210015	MOLOKAI S BASE 1885	21 07 43.42021	157 06 12.45521	88120.368	454626.681	HI 2	-0 09 26.82	0.9999921	73.0	11.67
201564210003	MOLOKINI 1883	20 37 49.99718	156 29 51.05802	32913.566	517628.993	HI 2	0 03 34.56	0.9999705	50 SC	15.76
201564210004	MOLOKINI 2 1950	20 37 50.00643	156 29 51.09962	32913.849	517627.789	HI 2	0 03 34.54	0.9999705	50.	15.76
201564210002	MOLOKINI LIGHTHOUSE 1950	20 37 50.12478	156 29 50.93800	32917.494	517632.464	HI 2	0 03 34.60	0.9999705	57.	15.76
211572240002	MOOMOMI 1962	21 11 53.85331	157 08 20.55059	95833.028	450953.345	HI 2	-0 10 14.93	0.9999964	19.0	11.21
201561210015	MOPUA 1881	20 40 44.37883	156 02 13.69523	38394.311	565590.122	HI 2	0 13 20.33	1.0000198	247.	15.31
211574340005	MORMON CHURCH SPIRE	21 38 50.22299	157 55 49.45991	53216.187	507204.039	HI 3	0 01 32.42	0.9999906		
211573420043	MT TANTALUS MICROWAVE TOWER	21 19 57.99703	157 48 54.16021	18402.861	519186.784	HI 3	0 04 2.22	0.9999945		
201564430005	MUNRO 1962	20 50 32.81853	156 53 57.27124	56380.738	475794.521	HI 2	-0 04 57.90	0.9999739	658.	12.53
201561210007	MUOLEA 1950	20 41 10.53875	156 00 30.18613	39210.726	568582.657	HI 2	0 13 57.17	1.0000248	20.	15.15
201561340031	MUT	20 44 13.00352	156 27 23.18260	44697.049	521894.765	HI 2	0 04 27.97	0.9999726	3 SC	14.31
211572240022	NA PUU KULUA 2 1925	21 09 34.42696	157 13 57.04058	91576.702	441232.909	HI 2	-0 12 15.32	1.0000093	166.81	11.42
201561240009	NAHOLOKU 1882	20 39 56.36364	156 08 42.60759	36877.749	554338.924	HI 2	0 11 2.57	1.0000031	852.	15.54
201561340010	NAHUNA 2	20 39 22.36880	156 26 36.35356	35761.035	523261.844	HI 2	0 04 43.50	0.9999734	3 SC	15.46
211563220005	NAKALELE HEAD LIGHT	21 01 41.80867	156 35 24.82464	76938.929	507945.487	HI 2	0 01 38.74	0.9999674		
211563220006	NAKALELE POINT LIGHT	21 01 44.64780	156 35 25.65547	77026.232	507921.456	HI 2	0 01 38.45	0.9999674		
201564430024	NANA 1927	20 49 28.99314	156 59 36.11901	54434.896	465994.397	HI 2	-0 06 58.13	0.9999810	13.	12.56
211572240023	NAPUUKULUA 1915	21 09 34.43372	157 13 57.04136	91576.910	441232.887	HI 2	-0 12 15.32	1.0000093	167 SC	11.42
211572220020	NAT 1925	21 05 55.22607	157 02 52.51427	84778.052	460388.085	HI 2	-0 08 14.08	0.9999860	2 SC	11.87
211573430093	NAVY BOUNDARY MARKER 1963	21 19 26.35502	157 58 15.91402	17418.701	502999.508	HI 3	0 00 37.85	0.9999901	2 SC	10.51
211573410074	NE RADIO TOWER AERO OBSTR LT	21 27 31.40916	157 45 54.38727	32354.933	524346.269	HI 3	0 05 9.35	0.9999973	68 SC	22.18
201552330014	NEW 1932	20 05 49.62316	155 27 21.05009	139893.984	504617.463	HI 1	0 00 54.62	0.9999669		
201561210031	NINIAO 1950	20 40 45.85417	156 06 50.27954	38410.518	557585.019	HI 2	0 11 42.67	1.0000076	1224.	15.28
211573130047	NIU 2 1928	21 17 44.52004	157 44 46.59654	14307.606	526327.196	HI 3	0 05 31.73	0.9999986	330 SC	10.67
211573130041	NIU LONGITUDE 1927	21 16 57.02409	157 43 55.91020	12849.248	527790.624	HI 3	0 05 49.93	0.9999995	7 SC	10.72
211573130038	NIU WATER TANK 1963	21 17 1.32513	157 43 52.62675	12981.691	527885.048	HI 3	0 05 51.15	0.9999996	51 SC	10.72
201553240004	NIULII 1913	20 12 58.95875	155 44 43.45798	153114.726	474355.150	HI 1	-0 05 5.30	0.9999748	121.	20.70
201553240003	NIULII STACK	20 13 24.38353	155 44 32.73132	153896.109	474667.666	HI 1	-0 05 1.69	0.9999746		
201571110013	NOB 1931	20 53 25.43460	157 03 38.17250	61722.002	459013.531	HI 2	-0 08 25.70	0.9999874	25.	12.30
201564220003	NOON	20 34 35.13268	156 32 21.16884	26917.063	513287.939	HI 2	0 02 41.26	0.9999688		
211572220018	NOON	21 05 37.81990	157 01 53.45123	84238.738	462091.485	HI 2	-0 07 52.71	0.9999844		
211573420008	NORTHMOST HIGH MAST	21 16 34.17132	157 45 36.59489	12141.730	524889.366	HI 3	0 05 13.30	0.9999977		
201553310013	NUNULU 1913	20 12 13.89445	155 49 16.43833	151742.482	466428.388	HI 1	-0 06 39.39	0.9999806	489 SC	21.37
201553310014	NUNULU 2 1948	20 12 14.43981	155 49 16.77983	151759.272	466418.507	HI 1	-0 06 39.51	0.9999806	488.	21.37
211572220019	NUT	21 05 45.53466	157 02 25.68519	84478.160	461161.703	HI 2	-0 08 4.36	0.9999853		
211573420048	OAHU EAST BASE 1872	21 17 27.05096	157 49 9.88177	13759.888	518739.070	HI 3	0 03 56.06	0.9999943	6 SC	10.62
211573430014	OAHU JAIL FLAG	21 19 47.87645	157 53 0.43398	18084.803	512090.401	HI 3	0 02 32.61	0.9999918		
211573430015	OAHU PEN	21 19 46.45972	157 53 1.67648	18041.204	512054.628	HI 3	0 02 32.16	0.9999918		
211573420100	OAHU WEST BASE 1872	21 18 2.49867	157 50 45.91252	14847.169	515970.001	HI 3	0 03 21.28	0.9999932	5 SC	10.59
201564230005	OAR	20 33 59.42154	156 38 34.33937	25813.855	502480.926	HI 2	0 00 30.09	0.9999667		
201561310029	OCC STATION H	20 42 26.38143	156 15 22.23851	41458.071	542760.229	HI 2	0 08 42.54	0.9999893		14.71
211573430101	OFFSET MONUMENT 3	21 20 46.17097	157 53 37.55810	19876.935	511019.405	HI 3	0 02 19.21	0.9999915	3 SC	10.52
201561210016	OHAH 1877	20 40 13.09467	156 02 15.39054	37432.010	565544.786	HI 2	0 13 19.41	1.0000197	73.	15.50
201561210020	OHEO 1950	20 40 41.79500	156 03 7.61367	38308.865	564029.900	HI 2	0 13 1.26	1.0000173	481.	15.32

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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)
211563320017	OHIANUI 1925	21 04 52.01637	156 51 13.96989	82798.088	480546.458	HI 2	-0 04 2.42	0.9999713	644 SC	11.85
211574330002	OHULEHULE 1875	21 30 45.05016	157 52 31.42048	38297.484	512910.414	HI 3	0 02 44.50	0.9999921	688.0	10.44
211572310006	OKE	21 10 32.65125	157 15 7.48298	93374.790	439207.254	HI 2	-0 12 41.31	1.0000123		
201561130006	OKOBOLA 1877	20 51 47.42903	156 10 28.87006	58736.050	551196.651	HI 2	0 10 30.78	0.9999990	259.	11.55
201564110022	OLAI 1912	20 58 37.39504	156 32 3.73507	71271.309	513756.501	HI 2	0 02 50.50	0.9999690	305 SC	11.75
201564110020	OLAI 2 1950	20 58 37.43303	156 32 3.67662	71272.479	513758.188	HI 2	0 02 50.52	0.9999690	305.	11.75
211574330005	OLD CATHOLIC CHURCH SPIRE	21 35 18.72181	157 53 20.00473	46713.604	511506.130	HI 3	0 02 27.17	0.9999916		
211572210008	OLELEUWE	21 10 13.03527	157 02 11.53944	92704.098	461589.121	HI 2	-0 08 0.88	0.9999849	379 SC	11.43
201561420003	OLINOA	20 48 21.18397	156 16 21.04451	52365.223	541032.007	HI 2	0 08 24.02	0.9999875		
211563310019	OLOKUI FLAG	21 07 56.23190	156 50 58.52408	88462.973	480998.803	HI 2	-0 03 57.41	0.9999711		
211573420005	OLOMANA RIDGE 1952	21 22 14.84806	157 45 30.45416	22619.786	525050.323	HI 3	0 05 16.87	0.9999978	122.0	10.53
211573420001	OLOMANU	21 21 40.26805	157 45 2.10505	21557.519	525868.709	HI 3	0 05 27.06	0.9999983		
201561120004	OLOPAWA 1878	20 46 5.26376	156 01 56.11831	48264.831	566060.172	HI 2	0 13 29.86	1.0000206	563.	13.22
201564130011	OWALU 1950	20 48 30.80870	156 37 23.94648	52611.687	504512.501	HI 2	0 00 55.44	0.9999669	1.92	13.18
201564130002	OWALU MILL FLAGSTAFF	20 48 35.92251	156 37 22.51910	52768.963	504553.733	HI 2	0 00 55.95	0.9999669		
201564130001	OWALU STACK	20 48 35.06061	156 37 21.85511	52742.462	504572.941	HI 2	0 00 56.18	0.9999669		
201564130003	OWALU TIDAL BM 1 1950	20 48 31.01428	156 37 23.54150	52618.012	504524.210	HI 2	0 00 55.58	0.9999669	3 SC	13.18
211563330011	ONINI 1915	21 04 20.12750	156 58 24.70724	81836.650	468111.647	HI 2	-0 06 37.20	0.9999792	18.0	12.00
201552320004	OOKALA STACK	20 01 0.78784	155 17 1.97305	131026.179	522613.056	HI 1	0 04 26.32	0.9999730		
201552330001	OPIHILALA 1881	20 02 29.80670	155 22 26.00468	133753.911	513193.121	HI 1	0 02 35.59	0.9999688	254.	21.90
201561120009	OPIKOULA 1877	20 49 37.45370	156 05 4.47313	54770.048	560588.411	HI 2	0 12 25.08	1.0000120	17.	11.96
201564140014	PA-LAHAINA WIRELESS POLE	20 52 56.45005	156 41 12.97360	60780.521	497890.897	HI 2	-0 00 26.01	0.9999667		
201552330011	PAUHAU 1877	20 03 49.45940	155 26 38.88136	136199.260	505843.694	HI 1	0 01 9.00	0.9999671	413.	22.56
201552330010	PAUHAU SUGAR CO STACK	20 05 13.87906	155 26 6.03501	138795.548	506797.065	HI 1	0 01 20.36	0.9999672		
201552320010	PAUUILO STACK	20 03 4.13068	155 21 37.64788	134810.503	514597.493	HI 1	0 02 52.24	0.9999693		
211573410027	PAHU 1910	21 25 21.14080	157 47 36.79481	28344.222	521403.093	HI 3	0 04 31.45	0.9999957	87.	10.47
201561210004	PAHUOLONA 1904	20 44 5.47646	156 00 0.99855	44594.251	569405.247	HI 2	0 14 9.39	1.0000262	257 SC	14.00
201561440002	PAIA PUMPING PLANT STACK	20 54 37.50745	156 23 0.66160	63914.217	529455.810	HI 2	0 06 3.81	0.9999774		
201561440001	PAIA SUGAR MILL STACK	20 54 23.34530	156 22 33.39459	63480.088	530244.539	HI 2	0 06 13.48	0.9999780		
201561240006	PAKIHI-KALUANUI 1883	20 43 49.45200	156 08 25.96801	44047.610	554797.282	HI 2	0 11 10.45	1.0000038	2471 SC	14.18
211573410017	PAKO 1932	21 27 38.91771	157 45 54.06123	32585.882	524355.310	HI 3	0 05 9.50	0.9999973	23 SC	10.43
201564340004	PALAOA POINT LIGHT	20 43 56.44685	156 57 53.45516	44202.271	468943.898	HI 2	-0 06 20.01	0.9999786		
211573420025	PALI	21 22 3.03159	157 47 39.18875	22251.084	521342.134	HI 3	0 04 29.91	0.9999956	391 SC	10.53
211572310009	PAP 1925	21 10 13.45531	157 15 24.24538	92786.200	438721.515	HI 2	-0 12 47.18	1.0000131	9 SC	11.35
201564120010	PAP 1962	20 46 31.19288	156 32 10.97008	48938.011	513565.620	HI 2	0 02 46.37	0.9999689	35 SC	13.74
211573140004	PAPA	21 23 7.74762	157 42 59.95202	24254.005	529383.157	HI 3	0 06 11.95	1.0000007		
211573410067	PAPAA	21 25 20.75655	157 45 24.87876	28337.848	525202.093	HI 3	0 05 19.63	0.9999978		
211573410066	PAPAA 2 1932	21 25 20.80836	157 45 24.85717	28339.442	525202.712	HI 3	0 05 19.64	0.9999978	167.	10.47
211574330012	PAPAU 1910	21 36 33.16867	157 55 49.78374	49000.839	507196.613	HI 3	0 01 32.15	0.9999906	367 SC	10.17
201564120011	PAPAWAI 1950	20 46 43.53631	156 32 16.26016	49317.485	513412.314	HI 2	0 02 44.52	0.9999689	117.	13.69
201561340023	PATCH	20 42 16.65206	156 26 47.94128	41120.263	522919.163	HI 2	0 04 40.03	0.9999732		
201564430015	PAU 1962	20 46 49.09317	156 59 9.55106	49515.896	466752.839	HI 2	-0 06 47.85	0.9999803	132.	12.75
211573420064	PAUO 1927	21 20 3.86087	157 49 45.02109	18581.552	517720.982	HI 3	0 03 43.74	0.9999939	366.	10.55
201552330012	PAUHAU CHURCH	20 04 3.10251	155 26 50.23166	136618.684	505513.767	HI 1	0 01 5.11	0.9999670		
201564140001	PAUPAU 1879	20 53 16.53580	156 38 22.77988	61398.327	502809.779	HI 2	0 00 34.66	0.9999668	688.	12.32

* For conversion of meters to U.S. Survey Feet multiply the meters by 39.37/12.0 which is 3.28083333333 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)
201561130004	PAUWALU 1877	20 51 31.72763	156 07 53.77710	58267.476	555681.500	HI 2	0 11 25.88	1.0000050	33.	11.47
201561410007	PAUWELA POINT LIGHTHOUSE	20 56 44.27739	156 19 16.70309	67825.552	535919.196	HI 2	0 07 24.46	0.9999826		
211563310017	PAUWOAKA	21 09 41.04418	156 50 30.26090	91685.487	481817.870	HI 2	-0 03 47.52	0.9999708	266 SC	11.30
211572320001	PBM HALEOLONO USGS 1962	21 06 3.66377	157 14 50.52837	85100.179	439666.104	HI 2	-0 12 32.64	1.0000116	148.28	11.67
211572210020	PBM MAUNAHUI USGS 1962	21 07 45.14405	157 00 45.76119	88150.170	464053.675	HI 2	-0 07 29.07	0.9999826	370 SC	11.71
211574330014	PEAHINAIA	21 33 17.49805	157 59 27.79861	42981.106	500926.508	HI 3	0 00 11.83	0.9999900	489 SC	10.38
211573430075	PEARL HARBOR EAST RADIO TOWER	21 21 1.13058	157 57 40.11993	20333.807	504030.288	HI 3	0 00 50.93	0.9999902		
211573430073	PEARL HARBOR ENT DATUM POINT	21 18 34.12924	157 57 31.30233	15812.753	504285.531	HI 3	0 00 54.04	0.9999902		
211573430062	PEARL HARBOR ESCAPE TRAIN TWR	21 21 20.24504	157 56 34.07433	20922.266	505933.011	HI 3	0 01 14.99	0.9999904		
211573430078	PEARL HARBOR FORD IS CONT TWR	21 21 38.25223	157 57 41.36077	21475.501	503994.257	HI 3	0 00 50.50	0.9999902		
211573430080	PEARL HARBOR LARGE WATER TANK	21 21 28.88684	157 57 47.31600	21187.420	503822.752	HI 3	0 00 48.32	0.9999902		
211573430061	PEARL HARBOR MAKALAPA W RAD TR	21 21 11.38628	157 56 2.58646	20650.164	506840.336	HI 3	0 01 26.45	0.9999906		
211573430081	PEARL HARBOR SOUTH RADIO TOWER	21 20 54.03901	157 57 48.94449	20115.640	503776.082	HI 3	0 00 47.71	0.9999902		
211573430067	PEARL HARBOR WATER TANK A	21 21 2.22416	157 57 14.83111	20367.637	504758.912	HI 3	0 01 0.13	0.9999903		
211573430069	PEARL HARBOR WATER TANK B	21 21 3.39563	157 57 16.86170	20403.649	504700.395	HI 3	0 00 59.40	0.9999903		
211573430070	PEARL HARBOR WATER TANK C	21 21 3.39138	157 57 18.07381	20403.508	504665.471	HI 3	0 00 58.95	0.9999903		
211573430082	PEARL HARBOR WEST RADIO TOWER	21 21 4.73792	157 57 51.08568	20444.678	503714.313	HI 3	0 00 46.94	0.9999902		
201561420004	PIIHOLO 1871	20 51 8.11306	156 17 37.63308	57493.625	538805.387	HI 2	0 07 57.83	0.9999853	689.	12.22
201564420011	PIILANI 1962	20 46 14.47906	156 49 42.30584	48426.973	483157.612	HI 2	-0 03 26.50	0.9999702	6.	13.06
211573140013	PILE	21 26 41.16812	157 44 6.51327	30814.659	527454.727	HI 3	0 05 48.60	0.9999993		
211573410050	PILOT 1969	21 24 5.80988	157 49 41.15237	26023.024	517824.327	HI 3	0 03 45.82	0.9999939	220.	10.48
201561320008	PIMOE 1879	20 36 37.72740	156 22 16.00632	30709.902	530806.939	HI 2	0 06 14.54	0.9999784	539.	16.09
201571110007	PINE 1931	20 52 27.85302	157 02 30.26530	59946.455	460972.000	HI 2	-0 08 1.13	0.9999855	159.	12.36
201564420018	PINE 1965	20 46 20.31157	156 52 10.50513	48611.178	478871.366	HI 2	-0 04 19.08	0.9999722	597 SC	12.94
201564140024	PIONEER MILL STACK	20 52 42.41286	156 40 33.82598	60348.727	499022.327	HI 2	-0 00 12.06	0.9999667		
211572220003	PIPE	21 05 40.40270	157 01 8.61443	84315.256	463385.742	HI 2	-0 07 36.59	0.9999832		
201561340003	PLANTATION FLAGSTAFF	20 38 50.35463	156 23 52.76132	34783.683	527998.734	HI 2	0 05 41.06	0.9999764		
211573140003	PODMORE 1926	21 23 8.06418	157 42 59.80574	24263.749	529387.354	HI 3	0 06 12.01	1.0000007	173 SC	10.52
201571110002	POHAKU 1962	20 52 52.16655	157 01 3.63022	60688.532	463477.753	HI 2	-0 07 30.40	0.9999831	379.	12.36
211582110002	POHAKU 1969	21 25 3.65587	157 59 54.47627	27783.455	500159.079	HI 3	0 00 2.02	0.9999900	122.	10.47
201552330002	POHAKUHAKU 1913	20 03 47.66720	155 22 54.68152	136147.543	512358.078	HI 1	0 02 25.91	0.9999686	63 SC	21.82
201564120014	POHAKULO	20 47 35.20793	156 32 46.10377	50905.876	512547.988	HI 2	0 02 34.03	0.9999686		
211563310014	POHAKULO	21 09 39.20948	156 47 23.04990	91623.990	487218.604	HI 2	-0 02 39.94	0.9999687	707 SC	11.18
211572240016	POHAKULO 1885	21 07 26.30675	157 14 0.31989	87636.659	441124.242	HI 2	-0 12 15.33	1.0000095	249.0	11.59
211572240017	POHAKUMAUULI	21 11 44.03653	157 14 47.65656	95568.182	439787.215	HI 2	-0 12 34.82	1.0000115	71 SC	11.22
211572210009	POHAKUNUI 1888	21 11 4.21966	157 03 0.98953	94281.654	460166.427	HI 2	-0 08 19.06	0.9999863	262.0	11.32
201564430007	POHOULA 1879	20 50 42.04612	156 55 16.77679	56667.995	473496.457	HI 2	-0 05 26.23	0.9999753	618.	12.50
201561210003	POHUE 1950	20 41 43.07437	155 59 56.29319	40215.341	569559.436	HI 2	0 14 9.50	1.0000264	9.	14.94
201571110005	POLIHUA 1962	20 55 6.33633	157 02 23.64712	64819.977	461174.618	HI 2	-0 07 59.74	0.9999853	14.	12.25
201561310014	POLIPOLI 1879	20 40 16.47446	156 20 4.59663	37444.324	534598.071	HI 2	0 07 1.99	0.9999815	1973.	15.31
201564110006	POND 1912	20 56 48.13447	156 30 33.26263	67913.513	516373.026	HI 2	0 03 22.61	0.9999700	21 SC	11.86
211573410040	POND 1926	21 26 31.98887	157 48 29.45006	30521.309	519884.038	HI 3	0 04 12.44	0.9999949	18 SC	10.45
211573420183	POND 1928	21 16 25.90569	157 45 30.91791	11887.765	525053.405	HI 3	0 05 15.33	0.9999978	3 SC	10.71
211572310011	POOLAU 1962	21 08 50.67355	157 16 26.78061	90247.009	436907.757	HI 2	-0 13 8.95	1.0000158	44.08	11.45
211572310003	PORT 1925	21 11 29.86276	157 14 56.55772	95133.201	439528.877	HI 2	-0 12 37.90	1.0000118	8 SC	11.24

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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)
211573410013	POST	21 26 34.39550	157 45 43.57839	30601.876	524660.135	HI 3	0 05 13.09	0.9999975		
211573420134	POST OFFICE NW TWR INSTRUM CUP	21 18 22.33771	157 51 38.69189	15455.916	514448.245	HI 3	0 03 2.15	0.9999926		
211573420131	POST OFFICE SE TOWER FLAGSTAFF	21 18 21.17551	157 51 37.83510	15420.194	514472.970	HI 3	0 03 2.46	0.9999926		
201553420010	PRIMARY POINT 2 1977	20 15 57.43868	155 51 28.94489	158624.665	462596.520	HI 1	-0 07 26.47	0.9999840	25.	20.26
201553420009	PRIMARY POINT 2 RM 5	20 15 54.52627	155 51 44.38155	158536.079	462148.368	HI 1	-0 07 31.80	0.9999844	28.	20.30
211573430089	PROPERTY COR MARKER PIPE 1964	21 19 17.94658	157 53 30.55374	17163.671	511223.088	HI 3	0 02 21.60	0.9999916	3 SC	10.54
211574330004	PROTESTANT CHURCH SPIRE	21 35 11.42949	157 53 17.15192	46489.375	511588.354	HI 3	0 02 28.21	0.9999917		
211563310008	PUAHAUNUI	21 10 33.88575	156 46 14.08396	93304.100	489209.282	HI 2	-0 02 15.13	0.9999681	1 SC	10.99
201561210018	PUALU 1912	21 10 33.88575	156 46 14.08396	93304.100	489209.282	HI 2	-0 02 15.13	0.9999681	245 SC	15.43
211573140014	PUHI 1932	20 40 23.60909	156 02 42.21575	37752.378	564767.120	HI 2	0 13 10.05	1.0000185	3 SC	10.45
201561210019	PUHILELE 1950	21 25 53.73547	157 44 11.19971	29355.581	527322.238	HI 3	0 05 46.68	0.9999992	24.	15.86
211563320008	PUKOO	20 39 11.25046	156 02 50.26964	35526.180	564542.502	HI 2	0 13 6.47	1.0000181	470 SC	11.73
201561430002	PULEHU 1950	21 05 21.93296	156 48 20.54779	83713.019	485552.945	HI 2	-0 03 0.11	0.9999692	159.	13.38
201564420009	PUM-WINDMILL	20 47 50.43520	156 25 6.39465	51389.350	525841.793	HI 2	0 05 17.29	0.9999749		
201561430004	PUMP STACK	20 46 29.19839	156 49 37.77590	48879.506	483289.084	HI 2	-0 03 24.93	0.9999701		
211573420145	PUMPING STATION CHIMNEY	20 48 34.04231	156 25 40.34314	52728.927	524858.061	HI 2	0 05 5.40	0.9999743		
211574330001	PUNA 1910	21 17 53.39336	157 51 46.31466	14565.523	514229.322	HI 3	0 02 59.32	0.9999925	2 SC	10.31
211572240004	PUNAKOU 1962	21 34 20.48710	157 52 30.38762	44923.584	512934.836	HI 3	0 02 45.31	0.9999921	384.0	11.66
211572320011	PUNAKUA	21 07 34.23356	157 08 55.49994	87851.432	449921.077	HI 2	-0 10 25.53	0.9999976	89 SC	11.66
211572320010	PUNAKUA 2 1962	21 05 52.26802	157 16 21.83004	84759.524	437029.676	HI 2	-0 13 5.40	1.0000156	87.0	11.66
211573420106	PUNCHBOWL 1873	21 05 52.39422	157 16 21.74710	84763.396	437032.085	HI 2	-0 13 5.37	1.0000156	152.50	10.57
211573420096	PUNCHBOWL EAST 1927.	21 18 43.94013	157 50 56.88361	16121.421	515652.571	HI 3	0 03 17.40	0.9999930	132.0	10.57
201553310010	PUU AIEA HITS 1948	21 18 45.61435	157 50 35.40039	16173.517	516271.666	HI 3	0 03 25.21	0.9999933	933.	22.80
211563340004	PUU ALII 1925	20 07 24.85196	155 48 3.84644	142850.166	468519.659	HI 1	-0 06 12.90	0.9999789	1288 SC	11.64
211572210005	PUU ANOANO	21 07 42.78600	156 53 50.88317	88055.926	476024.897	HI 2	-0 04 59.50	0.9999738	412 SC	11.46
211572240015	PUU APALU TANK	21 09 56.28417	157 01 30.18852	92186.184	462780.818	HI 2	-0 07 45.85	0.9999838		
211572320005	PUU HAKINA	21 10 36.04385	157 13 48.22726	93470.851	441493.902	HI 2	-0 12 12.71	1.0000089		
201564120023	PUU HELE 1912	21 05 43.84541	157 15 9.24816	84492.640	439123.581	HI 2	-0 12 39.19	1.0000124	113 SC	11.69
201564120022	PUU HELE 2 1900	20 48 44.15852	156 30 19.06181	53030.033	516798.229	HI 2	0 03 26.41	0.9999702	50 SC	13.23
201561120013	PUU HINAI	20 48 44.14026	156 30 19.06652	53029.471	516798.093	HI 2	0 03 26.41	0.9999702	51 SC	13.23
201561120014	PUU HINAI 2 1950	20 47 2.06857	156 03 31.47941	50001.214	563295.243	HI 2	0 12 56.61	1.0000162		
201564120008	PUU HONA 1943	20 47 2.47961	156 03 31.59359	50013.843	563291.893	HI 2	0 12 56.57	1.0000162	503.	12.87
211572220025	PUU ILOLI 1885	20 48 45.69076	156 31 9.47278	53075.759	515340.515	HI 2	0 03 8.50	0.9999696	277 SC	13.22
201561340034	PUU IO 1879	21 06 17.40882	157 06 58.40811	85478.800	453293.209	HI 2	-0 09 42.76	0.9999936	35.0	11.79
201561340033	PUU IO 1965 RM 1	20 40 20.50172	156 22 58.95005	37558.752	529551.580	HI 2	0 06 0.46	0.9999775	867.	15.26
211563340006	PUU KAEO 1890	20 40 20.50172	156 22 58.89323	37558.606	529553.225	HI 2	0 06 0.48	0.9999775	867 SC	15.26
211563310012	PUU KAHEA	21 08 9.73093	156 55 34.72999	88889.225	473029.741	HI 2	-0 05 37.05	0.9999757	1129.0	11.62
201553320004	PUU KAMALII	21 07 59.70553	156 46 42.96030	88562.961	488372.980	HI 2	-0 02 25.28	0.9999683	686 SC	11.38
201553320005	PUU KAMALII 2	20 02 57.94943	155 49 16.11414	134646.611	466404.827	HI 1	-0 06 36.36	0.9999806		
201561330011	PUU KANALOA 1879	20 02 57.98751	155 49 16.20613	134647.787	466402.156	HI 1	-0 06 36.39	0.9999806	210.	23.81
201561330013	PUU KANALOA 1904	20 36 9.65371	156 25 5.76153	29838.353	525893.128	HI 2	0 05 14.67	0.9999749	66 SC	16.11
211572210012	PUU KAPELE 1885	20 36 9.61218	156 25 5.80575	29837.073	525891.849	HI 2	0 05 14.66	0.9999749	66 SC	16.11
211573410056	PUU KAUAI 1957	21 11 36.29593	157 05 30.33769	95279.147	455861.185	HI 2	-0 09 13.25	0.9999907	140.82	11.25
201553310015	PUU KEHENA HITS 1948	21 28 30.43327	157 50 56.55254	34159.574	515644.776	HI 3	0 03 18.95	0.9999930	187.	10.45
201561310017	PUU KEONEHUNEHUNE SUMMIT TANK	20 09 12.10190	155 49 19.85159	146152.342	466318.456	HI 1	-0 06 39.61	0.9999807	768.	22.37
		20 39 0.43438	156 21 43.98993	35100.237	531725.734	HI 2	0 06 26.52	0.9999791		

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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.GEOD (M)	HT(M)
211572310012	PUU KOAI	21 09 29.48672	157 16 28.98441	91440.972	436848.743	HI	2 -0 13 10.13	1.0000159	27 SC	11.40
211563330007	PUU KOLEKOLE 1925	21 06 8.14976	156 54 5.98717	85146.092	475584.770	HI	2 -0 05 4.59	0.9999740	1205 SC	11.80
211561140002	PUU KUKAI 1877	20 53 39.64621	156 12 13.84725	62178.175	548152.172	HI	2 0 09 54.24	0.9999953	176 SC	11.21
201553310002	PUU LAPALAPA HITS 1948	20 11 39.16784	155 45 35.54197	150663.369	472839.414	HI	1 -0 05 22.95	0.9999758	397.	21.26
211563310007	PUU LEHUA	21 10 16.22685	156 45 58.94032	92760.732	489645.770	HI	2 -0 02 9.63	0.9999680	458 SC	11.02
201552330013	PUU LIOLIO	20 03 4.12046	155 26 50.84822	134804.958	505496.423	HI	1 0 01 4.85	0.9999670	585.0	22.72
201553320001	PUU LOA 1876	20 04 27.59319	155 45 0.95438	137390.535	473823.610	HI	1 -0 05 9.24	0.9999751	1256.	23.30
211572210003	PUU LUA	21 10 31.61620	157 00 28.09639	93268.863	464574.396	HI	2 -0 07 23.62	0.9999822	486 SC	11.39
211563320010	PUU LUA WAILAU 1925	21 06 26.93389	156 48 48.72630	85712.797	484741.486	HI	2 -0 03 10.40	0.9999695	964 SC	11.63
211572210019	PUU LUAHINE 1925	21 07 45.15441	157 00 45.73652	88150.487	464054.388	HI	2 -0 07 29.06	0.9999826	370.0	11.71
201561340035	PUU MAHOE 1879	20 37 54.95427	156 23 4.14072	33082.358	529409.124	HI	2 0 05 57.95	0.9999774	812 SC	15.82
201561240016	PUU MANEONEO 2 1950	20 37 35.72497	156 10 6.75395	32544.996	551916.618	HI	2 0 10 31.73	1.0000000	109.	16.23
211563320003	PUU MANO 1890	21 05 50.55645	156 46 37.33904	84590.976	488532.420	HI	2 -0 02 23.02	0.9999683	289.0	11.63
201564420019	PUU MANU 1879	20 46 35.85000	156 52 10.87363	49089.045	478861.309	HI	2 -0 04 19.26	0.9999722	632.87	12.92
201553220006	PUU MAUW NORTH HITS 1948	20 05 54.25457	155 34 20.60877	140037.434	492429.428	HI	1 -0 01 29.55	0.9999674	497.	22.38
201561440047	PUU NENE 1912	20 53 55.10021	156 23 46.22108	62607.771	528141.468	HI	2 0 05 47.36	0.9999764	56 SC	12.03
201564420014	PUU NENE 1962	20 48 55.28351	156 49 56.51402	53372.618	482751.736	HI	2 -0 03 31.98	0.9999703	367.	12.75
201561440003	PUU NENE 2 1943	20 53 53.35639	156 23 46.22122	62554.142	528141.554	HI	2 0 05 47.36	0.9999764	41 SC	12.04
201561440046	PUU NENE 2 1950	20 53 55.00574	156 23 45.95882	62604.879	528149.052	HI	2 0 05 47.46	0.9999765	56.	12.03
201561430019	PUU NENE AIRPORT BEACON	20 49 14.86502	156 27 34.81464	53979.781	521546.350	HI	2 0 04 24.87	0.9999724		
201561430010	PUU NENE MILL CUPOLA	20 52 3.30627	156 27 10.48289	59160.824	522243.006	HI	2 0 04 34.11	0.9999728		
201561430011	PUU NENE SUGAR MILL N STACK	20 52 4.03078	156 27 11.94159	59183.049	522200.813	HI	2 0 04 33.59	0.9999728		
201561430012	PUU NENE SUGAR MILL S STACK	20 52 2.98495	156 27 14.09934	59150.804	522138.485	HI	2 0 04 32.82	0.9999727		
201561130009	PUU NIANIAU 1877	20 46 20.65552	156 14 41.43312	48665.829	543922.198	HI	2 0 08 58.58	0.9999905	2088.	13.45
211573140019	PUU O EHU 1969	21 23 14.47664	157 44 36.95760	24456.164	526588.495	HI	3 0 05 36.61	0.9999987	99.	10.51
211563240004	PUU O HOKU 1915	21 08 5.74542	156 43 49.48748	88745.947	493378.443	HI	2 -0 01 22.75	0.9999672	205.0	11.26
211572230001	PUU O HOLEHUA 1925	21 07 5.72362	157 07 40.39372	86968.182	452085.806	HI	2 -0 09 58.24	0.9999950	230 SC	11.72
211572220023	PUU O KAHANUI 1925	21 06 42.31551	157 04 23.69218	86232.784	457760.283	HI	2 -0 08 47.21	0.9999887	41.47	11.79
201554430004	PUU O KAHAULA HIGS 1950	20 45 18.32545	155 59 43.34905	46836.787	569906.582	HI	2 0 14 16.43	1.0000270	167.	13.53
211572310004	PUU O KAIKA 1925	21 10 52.44793	157 15 3.44422	93983.218	439326.003	HI	2 -0 12 40.04	1.0000121	34.74	11.29
201561340001	PUU O KALI 1879	20 43 50.39990	156 23 11.42152	44012.956	529179.467	HI	2 0 05 57.01	0.9999772	452.	14.37
211572210007	PUU O KAMAO	21 10 31.63459	157 01 37.07848	93273.828	462584.524	HI	2 -0 07 48.54	0.9999840	336 SC	11.39
201561330012	PUU O KANALOA 1931	20 36 9.65087	156 25 5.76647	29838.265	525892.985	HI	2 0 05 14.67	0.9999749	65.	16.11
201561420011	PUU O KOHA 1912	20 49 21.90302	156 22 7.29579	54211.056	531015.911	HI	2 0 06 21.33	0.9999786	321.	12.90
201553310019	PUU O NALE 1881	20 12 2.06687	155 50 36.70337	151383.437	464097.506	HI	1 -0 07 7.05	0.9999826	542.	21.55
201553310018	PUU O NALE EAST SLOPE 1960	20 12 1.91105	155 50 32.43306	151378.389	464221.468	HI	1 -0 07 5.57	0.9999825	532.	21.54
201553310020	PUU O NALE WEST SLOPE 1960	20 12 2.08815	155 50 37.77150	151384.155	464066.498	HI	1 -0 07 7.42	0.9999826	534.	21.55
201561340025	PUU OLAI 1879	20 38 10.96157	156 26 55.32457	33564.330	522715.664	HI	2 0 04 36.55	0.9999730	110.	15.71
211563340020	PUU OLELO	21 10 0.37194	156 59 3.55692	92302.891	467011.112	HI	2 -0 06 52.92	0.9999801	126 SC	11.45
201561420005	PUU PANE 1871	20 48 15.66649	156 18 58.44430	52185.037	536480.792	HI	2 0 07 28.08	0.9999831	785.	13.05
201561310006	PUU PANE 2 1904	20 39 23.03685	156 14 59.37683	35821.332	543436.247	HI	2 0 08 49.37	0.9999900	1214 SC	15.62
211563330006	PUU PAPA 1915	21 03 46.52410	156 53 58.40434	80790.188	475797.243	HI	2 -0 05 1.32	0.9999739	208.0	11.99
201564340001	PUU PEHE 1914	20 44 9.10768	156 53 26.11189	44579.154	476678.972	HI	2 -0 04 45.41	0.9999734	37.	13.10
201564340005	PUU PEHE 1914 RM 3 1976	20 44 6.99109	156 53 26.61284	44514.082	476664.389	HI	2 -0 04 45.58	0.9999734	36.	13.10
201553320011	PUU PILI 1881	20 06 53.63394	155 45 47.96595	141883.498	472464.816	HI	1 -0 05 26.01	0.9999760	1436.	22.79

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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. (M)	GEOID HT (M)
201553320002	PUU PILI USGS 1881	20 06 53.64263	155 45 47.97930	141883.766	472464.429	HI 1	-0 05 26.02	0.9999760	1436.	22.79
201553310022	PUU ULA HTS 1913	20 13 48.11809	155 51 41.60059	154648.662	462220.580	HI 1	-0 07 30.09	0.9999843	290.	21.02
201561210001	PUUIKI 1878	20 42 6.55460	155 59 52.76642	40937.878	569658.519	HI 2	0 14 11.00	1.0000266	47.	14.79
201561210002	PUUIKI CATHOLIC CHURCH SPIRE	20 42 7.60349	155 59 55.17627	40969.848	569588.650	HI 2	0 14 10.16	1.0000265		
211572230008	PUUKAUHI 1925	21 06 34.19643	157 10 21.37356	86012.690	447437.220	HI 2	-0 10 55.99	1.0000008	251 SC	11.72
201553230006	PUUKI	20 01 54.72518	155 40 8.03202	132679.089	482329.468	HI 1	-0 03 28.28	0.9999705	976.0	
211574340019	PUUKI 1875	21 40 15.96730	157 58 50.07354	55851.922	502010.338	HI 3	0 00 25.82	0.9999900	199.	9.85
211573430090	PUULO 1873	21 19 26.12397	157 58 15.71444	17411.596	503005.261	HI 3	0 00 37.92	0.9999901	3 SC	10.51
211573430092	PUULO 2 1927	21 19 26.07260	157 58 15.75358	17410.016	503004.133	HI 3	0 00 37.91	0.9999901	2.	10.51
211573420026	PUPIA 1928	21 19 31.16977	157 47 47.16013	17580.149	521118.525	HI 3	0 04 26.51	0.9999955	269 SC	10.59
211563340021	PUWAHI 1962	21 10 29.10812	156 59 39.81314	93188.791	465967.024	HI 2	-0 07 6.17	0.9999810	517.0	11.40
211573410014	PYRAMID ROCK HIGHEST PART	21 27 44.07969	157 45 48.76579	32744.875	524507.531	HI 3	0 05 11.46	0.9999974		
211573410099	PYRAMID ROCK LIGHT	21 27 44.11322	157 45 48.68723	32745.910	524509.791	HI 3	0 05 11.49	0.9999974		
211563220004	Q 1912	21 00 12.74005	156 34 36.30312	74200.462	509348.053	HI 2	0 01 56.02	0.9999677	251 SC	11.75
211573430009	QUARANTINE FLAGSTAFF	21 18 21.88592	157 52 35.75075	15440.652	512803.755	HI 3	0 02 41.42	0.9999920		
211573430011	QUARANTINE ISLAND FLAGSTAFF	21 18 24.89865	157 52 36.79228	15533.287	512773.665	HI 3	0 02 41.05	0.9999920		
211563220003	R 1912	21 00 51.69053	156 34 32.38269	75398.400	509460.589	HI 2	0 01 57.48	0.9999678	140 SC	11.73
211573130006	R 2	21 18 33.73601	157 39 26.11306	15838.751	535561.332	HI 3	0 07 28.40	1.0000056	43.83	10.71
211573430039	RAD	21 18 34.85781	157 54 6.91648	15837.764	510176.008	HI 3	0 02 8.31	0.9999913		
211574330017	RADIO	21 31 14.10253	157 59 49.76735	39185.882	500294.486	HI 3	0 00 3.75	0.9999900	386.88	10.45
211574340015	RADIO CORP POWER PLANT CHIMNEY	21 42 21.86309	157 58 22.36361	59724.211	502806.302	HI 3	0 00 36.11	0.9999901		
211573420115	RADIO STATION KGU EAST TOWER	21 18 11.02123	157 51 20.18576	15108.351	514981.931	HI 3	0 03 8.85	0.9999928		
211573420116	RADIO STATION KGU WEST TOWER	21 18 10.61208	157 51 21.67363	15095.728	514939.059	HI 3	0 03 8.31	0.9999928		
211573130014	RADIO TOWER	21 17 5.38799	157 41 10.65773	13115.261	532553.675	HI 3	0 06 49.96	1.0000031		
211573410035	RADIO TOWER 1	21 25 36.59154	157 48 20.27907	28817.827	520150.225	HI 3	0 04 15.62	0.9999950		
211573410033	RADIO TOWER 2	21 25 39.78857	157 48 14.87713	28916.349	520305.665	HI 3	0 04 17.60	0.9999951		
211573410036	RADIO TOWER 3	21 25 42.52591	157 48 20.58147	29000.334	520141.290	HI 3	0 04 15.53	0.9999950		
201561440027	RAIL	20 53 24.78815	156 28 20.76359	61664.092	520208.499	HI 2	0 04 9.33	0.9999717		
201553340013	RAIL 1910	20 11 36.07345	155 54 6.79658	150597.802	457996.324	HI 1	-0 08 19.43	0.9999885	41 SC	21.92
201564440005	RAINTRAP 24 N COR 1962	20 53 48.93056	156 55 52.14456	62416.991	472483.439	HI 2	-0 05 39.62	0.9999760		12.31
211573420045	RAMSAYS HOME C OF GROUP OF LTS	21 19 29.94664	157 49 2.56214	17539.868	518945.674	HI 3	0 03 59.08	0.9999944		
201564140013	RAW	20 54 17.56198	156 41 11.44703	63274.977	497935.326	HI 2	-0 00 25.49	0.9999667		
211563330002	RAYKAMA 1961	21 02 47.95421	156 52 27.91700	78985.316	478407.062	HI 2	-0 04 28.60	0.9999724	2.0	12.02
201561340009	RAYOLAI 1961	20 37 52.43461	156 26 35.65196	32995.352	523285.954	HI 2	0 04 43.41	0.9999734	9 SC	15.77
211573420162	REAR RANGE LIGHTHOUSE	21 18 25.64958	157 51 58.79761	15557.273	513868.689	HI 3	0 02 54.85	0.9999924		
201561430015	RED	20 45 8.28004	156 27 23.91971	46396.937	521871.233	HI 2	0 04 27.90	0.9999726		
201561440032	RED	20 54 15.78573	156 28 52.17562	63231.371	519298.852	HI 2	0 03 58.29	0.9999713		
211573420176	RED BEACON 4	21 17 38.36289	157 52 16.33861	14102.524	513364.328	HI 3	0 02 48.38	0.9999922		
211573420175	RED BEACON 6	21 17 46.25028	157 52 12.90868	14345.186	513462.991	HI 3	0 02 49.64	0.9999922		
211573420168	RED BEACON 8	21 17 53.92394	157 52 7.26162	14581.328	513625.560	HI 3	0 02 51.71	0.9999923		
211573410057	RED CHURCH SPIRE	21 29 42.04609	157 51 3.93356	36361.913	515430.194	HI 3	0 03 16.43	0.9999929		
211573410045	RED DIRT 1969	21 23 50.88438	157 48 52.15044	25565.582	519236.249	HI 3	0 04 3.66	0.9999946	216.	10.49
211573420179	RED GAS TANK CENTER	21 18 59.65552	157 52 17.80741	16602.692	513319.957	HI 3	0 02 48.02	0.9999922		
201561440051	RED SPIRE	20 53 33.90857	156 29 49.69265	61941.667	517638.075	HI 2	0 03 37.65	0.9999705		
201553340004	RED TANK	20 11 12.51259	155 53 52.09233	149872.245	458421.490	HI 1	-0 08 14.20	0.9999880		

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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)
201564230014	REEF	20 33 18.48764	156 40 35.17772	24554.899	498981.098	HI 2	-0 00 12.35	0.9999667		
201564120005	REFERENCE MARK 3 1943	20 49 19.07362	156 30 40.26575	54103.179	516184.065	HI 2	0 03 18.97	0.9999699	100 SC	13.10
201571110008	REX 1932	20 52 34.81925	157 02 49.59755	60162.005	460413.723	HI 2	-0 08 8.07	0.9999860	123 SC	12.35
201564120013	RICE 1950	20 47 27.00303	156 32 21.23015	50654.103	513267.516	HI 2	0 02 42.84	0.9999688	365.	13.51
201553340002	RIDGE 1910	20 10 19.17701	155 53 32.60791	148230.758	458983.321	HI 1	-0 08 7.13	0.9999875	93.	22.30
211573130048	RIDGE 1910	21 17 46.35972	157 42 14.15036	14371.843	530721.101	HI 3	0 06 27.11	1.0000017	161 SC	10.71
211573430086	RNG HONOLULU HNL	21 19 21.50651	157 59 3.35187	17269.388	501632.478	HI 3	0 00 20.60	0.9999900		
201561430025	ROAD	20 47 42.55502	156 29 7.83799	51137.721	518859.847	HI 2	0 03 51.54	0.9999711		
211572220021	ROCK	21 06 17.57144	157 04 0.49874	85470.092	458427.701	HI 2	-0 08 38.70	0.9999880		
211573420059	ROCKY HILL 1872	21 18 12.48812	157 49 32.96086	15156.587	518072.292	HI 3	0 03 47.81	0.9999940	91 SC	10.60
211573430072	ROOF USN 1960	21 21 8.77398	157 57 29.47847	20568.963	504336.833	HI 3	0 00 54.81	0.9999902	2 SC	10.50
211573420093	ROSEBANK 1928	21 19 42.55846	157 50 29.65688	17925.037	516435.432	HI 3	0 03 27.44	0.9999933	177 SC	10.56
201561340008	ROUGH	20 38 56.30915	156 26 34.43115	34959.708	523318.593	HI 2	0 04 44.08	0.9999734		
211573420052	ROUND TOP 1927	21 18 48.50119	157 49 21.92882	16264.547	518389.009	HI 3	0 03 51.92	0.9999942	320.	10.59
201564110015	S 1950	20 58 54.14484	156 32 55.92821	71785.249	512248.566	HI 2	0 02 31.85	0.9999685	346.	11.74
211573430042	SALT LAKE 1873	21 21 47.95081	157 54 29.26677	21776.082	509528.398	HI 3	0 02 0.48	0.9999911	149.	10.50
211572310010	SAND 1950	21 13 1.54919	157 15 31.27719	97956.788	438537.974	HI 2	-0 12 51.34	1.0000133	21.0	11.09
211573430006	SAND IS ARTILLERY FIRE CONT TR	21 18 5.38302	157 52 26.50318	14933.306	513070.686	HI 3	0 02 44.74	0.9999921		
211573420181	SAND IS COAST GUARD STATION FP	21 18 22.88422	157 52 19.26193	15471.734	513278.957	HI 3	0 02 47.41	0.9999922		
211573420167	SAND ISLAND LIGHT	21 18 7.99354	157 52 6.64702	15014.061	513642.914	HI 3	0 02 51.96	0.9999923		
211573420197	SAND ISLAND LIGHT	21 18 2.23768	157 52 9.48282	14836.969	513561.328	HI 3	0 02 50.92	0.9999923		
211573420198	SAND ISLAND LIGHT OLD	21 18 2.09725	157 52 9.73703	14832.644	513554.004	HI 3	0 02 50.83	0.9999922	1.0	10.57
211573420174	SAND ISLAND SOUTH BASE 1927	21 17 58.57680	157 52 12.49431	14724.305	513474.623	HI 3	0 02 49.82	0.9999921	152.04	10.52
211573430001	SAT	21 21 0.94742	157 52 25.82112	20332.921	513086.021	HI 3	0 02 45.35	0.9999921	3048.	14.71
201561310022	SATE TRI STA 011 1966	20 42 27.06127	156 15 21.35387	41479.044	542785.774	HI 2	0 08 42.85	0.9999893	3048 SC	14.71
201561310028	SATE TRI STA 011 1966 RM	20 42 26.88364	156 15 21.00854	41473.606	542795.781	HI 2	0 08 42.97	0.9999893		
211573430041	SCAR	21 21 47.13842	157 54 26.54135	21751.142	509606.932	HI 3	0 02 1.47	0.9999911		
201561340011	SCHOOL	20 38 34.91581	156 26 36.93689	34301.707	523246.963	HI 2	0 04 43.12	0.9999733		
211573410072	SE DOME AERO OBSTRUCTION LT	21 27 27.81760	157 45 46.44604	32244.814	524575.076	HI 3	0 05 12.24	0.9999975		
201564230025	SEE 2 1963	20 32 23.91369	156 40 27.69020	22876.625	499197.891	HI 2	-0 00 9.72	0.9999667	133.	15.68
211573140010	SEISMOGRAPH 1965	21 27 11.95392	157 44 1.61869	31761.755	527594.054	HI 3	0 05 50.52	0.9999994		
211573430018	SHAFTER 1928	21 20 35.40043	157 53 16.04994	19546.109	511639.362	HI 3	0 02 27.02	0.9999917	18 SC	10.52
201564120012	SHED	20 46 33.80243	156 32 18.16146	49018.096	513357.562	HI 2	0 02 43.82	0.9999689		
211573410019	SHERIFF	21 26 38.58564	157 46 28.95627	30728.818	523353.316	HI 3	0 04 56.51	0.9999967		
201561340039	SHIP	20 40 43.45415	156 26 39.04744	38254.520	523180.451	HI 2	0 04 42.84	0.9999733		
201561320003	SHORE D 1881	20 35 0.65891	156 17 54.87343	27740.194	538374.615	HI 2	0 07 45.88	0.9999849	9.	16.53
201564230011	SHY	20 33 27.80617	156 40 4.30260	24841.434	499875.380	HI 2	-0 00 1.51	0.9999667		
211573410089	SIGNAL 227	21 27 49.43789	157 48 34.44986	32903.171	519737.175	HI 3	0 04 10.85	0.9999948		
211573410087	SIGNAL 228	21 28 35.57208	157 47 59.04311	34323.359	520754.733	HI 3	0 04 23.96	0.9999953		
201564420012	SMOKE	20 50 52.84350	156 49 45.36563	56987.635	483077.742	HI 2	-0 03 28.33	0.9999702		
201564420008	SMOKE-CHURCH SPIRE	20 50 51.03051	156 49 25.12897	56931.299	483662.708	HI 2	-0 03 21.12	0.9999700		
201561440043	SOB HILL RED ROOF HOUSE	20 53 24.29740	156 29 43.27529	61646.288	517823.854	HI 2	0 03 39.91	0.9999706		
211563330005	SON	21 03 9.94557	156 53 36.89451	79664.353	476416.583	HI 2	-0 04 53.45	0.9999735		
201564220031	SOUTH CRATER 1904	20 32 32.77977	156 36 20.31108	23150.446	506363.686	HI 2	0 01 17.09	0.9999672	355 SC	16.16
201564220032	SOUTH CRATER 2 1963	20 32 32.82700	156 36 20.44867	23151.896	506359.700	HI 2	0 01 17.04	0.9999672	352.	16.16

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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)
201564230020	SOUTH HILL 2 1963	20 31 6.88420	156 38 58.18933	20507.888	501790.735	HI 2	0 00 21.67	0.9999667	163.	15.93
211572320009	SOUTHWEST POINT LIGHTHOUSE	21 06 5.31539	157 18 35.73723	85175.970	433166.453	HI 2	-0 13 53.74	1.0000218		
201561440005	SPRECKLESVILLE STACK	20 54 4.91047	156 24 55.57001	62906.217	526136.855	HI 2	0 05 22.67	0.9999751		
211573430054	STA G HONOLULU AHUA PT ATC TWR	21 18 38.39091	157 55 35.73451	15945.035	507616.185	HI 3	0 01 36.04	0.9999907		
201564130007	STACK	20 52 15.68442	156 40 7.16932	59526.714	499792.775	HI 2	-0 00 2.55	0.9999667		
201561440011	STACK A	20 53 15.43974	156 26 53.59391	61379.831	522728.172	HI 2	0 04 40.38	0.9999730		
201561440007	STACK-F	20 53 7.17636	156 26 9.44505	61127.487	524004.503	HI 2	0 04 56.09	0.9999738		
201561440010	STACK-LEANING	20 52 42.80595	156 26 48.35266	60376.436	522881.025	HI 2	0 04 42.14	0.9999731		
211573430004	STATE SURVEY 1-1 1969	21 19 18.85009	157 52 23.06719	17192.910	513167.899	HI 3	0 02 46.14	0.9999921	2.0	10.55
211573410061	STATE SURVEY 1-10 GUAVA 1969	21 22 59.88162	157 51 28.82060	23992.240	514725.046	HI 3	0 03 6.38	0.9999927	188.0	10.50
211573420118	STATE SURVEY 1-11 1969	21 18 57.78676	157 51 23.09189	16546.577	514896.861	HI 3	0 03 7.90	0.9999927	11.0	10.56
211573430038	STATE SURVEY 1-13 1969	21 19 50.65782	157 54 5.54322	18169.065	510214.129	HI 3	0 02 8.93	0.9999913	2.0	10.53
211573420092	STATE SURVEY 1-14 1969	21 22 0.97591	157 50 28.45467	22182.207	516465.782	HI 3	0 03 28.24	0.9999933	200.0	10.51
211573430013	STATE SURVEY 1-2 1969	21 21 55.79509	157 52 48.40171	22019.295	512434.131	HI 3	0 02 37.24	0.9999919	241.0	10.51
211573420182	STATE SURVEY 1-3 1969	21 19 45.57603	157 52 19.48697	18014.968	513270.407	HI 3	0 02 47.50	0.9999922	13.0	10.54
211573430019	STATE SURVEY 1-6 1969	21 18 53.10276	157 53 16.91044	16399.859	511616.804	HI 3	0 02 26.52	0.9999917	7.0	10.55
211573420123	STATE SURVEY 1-7 1969	21 19 25.24333	157 51 26.97950	17390.920	514784.060	HI 3	0 03 6.55	0.9999927	22.0	10.55
211573430097	STATE SURVEY 1-8B	21 19 54.99120	157 53 23.38385	18303.146	511428.913	HI 3	0 02 24.28	0.9999916	5 SC	10.53
211573430099	STATE SURVEY 1-8C	21 19 59.28727	157 53 35.49426	18435.034	511079.849	HI 3	0 02 19.88	0.9999915	3 SC	10.53
211573430095	STATE SURVEY 1-8D	21 20 5.50210	157 53 17.94139	18626.526	511585.514	HI 3	0 02 26.28	0.9999917	3 SC	10.53
211573430094	STATE SURVEY 1-8E	21 20 16.58602	157 53 0.99743	18967.773	512073.511	HI 3	0 02 32.46	0.9999918	16 SC	10.53
211573430096	STATE SURVEY 1-8F	21 20 35.32907	157 53 22.94633	19543.774	511440.652	HI 3	0 02 24.51	0.9999916	18 SC	10.52
211573420158	STATE SURVEY 1-9 1969	21 18 52.98558	157 51 50.72820	16398.208	514100.532	HI 3	0 02 57.85	0.9999925	1.0	10.56
211573420073	STATE SURVEY 2-11 1969	21 16 39.81527	157 50 1.68895	12305.487	517247.301	HI 3	0 03 37.12	0.9999937	0.0	10.62
211573420046	STATE SURVEY 2-12 1969	21 16 30.47899	157 49 5.18446	12020.140	518876.471	HI 3	0 03 57.60	0.9999944	1.0	10.64
211573420055	STATE SURVEY 2-2 1969	21 17 14.40613	157 49 25.19257	13370.490	518298.184	HI 3	0 03 50.46	0.9999941	1.0	10.62
211573420109	STATE SURVEY 2-3 1969	21 17 47.44928	157 50 59.85053	14383.929	515568.717	HI 3	0 03 16.18	0.9999930	1.0	10.59
211573420108	STATE SURVEY 2-4 1969	21 18 6.80462	157 50 58.55590	14979.249	515605.465	HI 3	0 03 16.70	0.9999930	3.0	10.58
211573420040	STATE SURVEY 2-8 1969	21 18 55.12364	157 48 42.48271	16469.543	519525.593	HI 3	0 04 6.28	0.9999947	62.0	10.59
211573130044	STATE SURVEY 3-10 1969	21 17 9.69079	157 44 14.49179	13237.922	527254.345	HI 3	0 05 43.24	0.9999992	7.0	10.70
211573420033	STATE SURVEY 3-5 1969	21 15 54.94149	157 48 4.69942	10929.267	520621.463	HI 3	0 04 19.43	0.9999953	145.0	10.68
211573420010	STATE SURVEY 3-6 1969	21 16 34.32779	157 45 49.59410	12145.978	524514.629	HI 3	0 05 8.58	0.9999974	3.11	10.70
211573410044	STATE SURVEY 4-12 1969	21 22 51.66676	157 48 42.00503	23744.635	519530.654	HI 3	0 04 7.18	0.9999947	207.0	10.51
211573410026	STATE SURVEY 4-13 1969	21 23 15.49317	157 47 34.57566	24479.882	521472.098	HI 3	0 04 31.84	0.9999957	96.0	10.50
211573410015	STATE SURVEY 4-14 1969	21 23 12.24134	157 45 50.44827	24384.098	524471.670	HI 3	0 05 9.80	0.9999974	49.0	10.51
211573140023	STATE SURVEY 4-15 1969	21 25 5.64481	157 44 40.71868	27875.089	526474.595	HI 3	0 05 35.70	0.9999987	2.0	10.47
211573410008	STATE SURVEY 4-16 1969	21 24 31.14509	157 45 20.70624	26812.177	525324.630	HI 3	0 05 20.96	0.9999979	3.0	10.48
211573410016	STATE SURVEY 4-17 1969	21 24 36.93325	157 45 53.17368	26988.770	524389.261	HI 3	0 05 9.13	0.9999973	120.0	10.48
211573410068	STATE SURVEY 4-18 1969	21 24 31.12835	157 46 56.08463	26807.620	522577.618	HI 3	0 04 46.14	0.9999963	42.0	10.48
211573410006	STATE SURVEY 4-20 1969	21 26 23.27439	157 45 17.78100	30260.977	525403.493	HI 3	0 05 22.47	0.9999980	3.0	10.45
211573410010	STATE SURVEY 4-21 1969	21 25 58.24655	157 45 38.22161	29490.306	524816.078	HI 3	0 05 14.90	0.9999976	1.0	10.46
211573410012	STATE SURVEY 4-22 1969	21 25 36.84957	157 45 43.44592	28831.987	524666.635	HI 3	0 05 12.91	0.9999975	13.0	10.46
211573410046	STATE SURVEY 4-24-GROUCHO 1969	21 24 46.85399	157 49 20.29997	27286.046	518423.500	HI 3	0 03 53.55	0.9999942	135.0	10.48
211573410048	STATE SURVEY 4-25 1969	21 25 56.09434	157 49 22.71376	29415.528	518351.579	HI 3	0 03 52.87	0.9999942	49.0	10.46
211573410060	STATE SURVEY 4-28 1969	21 28 57.63917	157 51 9.59616	34995.967	515268.488	HI 3	0 03 14.24	0.9999929	20.0	10.45

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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)
211573140022	STATE SURVEY 4-3 1969	21 22 25.63289	157 44 39.61729	22953.799	526514.326	HI 3	0 05 35.44	0.9999987	88.0	10.53
211573410051	STATE SURVEY 4-31 1969	21 26 35.16022	157 49 57.70924	30615.936	517342.549	HI 3	0 03 40.18	0.9999937	16.0	10.46
211573130029	STATE SURVEY 4-33 1969	21 21 12.20656	157 42 26.27648	20702.196	530359.825	HI 3	0 06 23.68	1.0000014	3.0	10.58
211573130034	STATE SURVEY 4-4 1969	21 19 58.15068	157 43 14.50670	18422.012	528974.251	HI 3	0 06 5.79	1.0000004	55.0	10.62
211573130046	STATE SURVEY 4-5 1969	21 20 7.61597	157 44 36.49134	18709.106	526611.299	HI 3	0 05 36.00	0.9999987	85.0	10.60
211573130042	STATE SURVEY 4-7 1969	21 20 45.92684	157 44 0.06466	19889.135	527658.959	HI 3	0 05 49.42	0.9999994	22.0	10.58
211573130042	STATE SURVEY 4-8 1969	21 22 38.58327	157 42 24.47580	23358.898	530406.753	HI 3	0 06 24.75	1.0000014	4.0	10.53
211573140002	STATE SURVEY 4-9 1969	21 23 37.08953	157 44 39.05563	25151.549	526526.928	HI 3	0 05 35.94	0.9999987	2.0	10.50
211573140021	STATE SURVEY 5-1 1969	21 23 33.70527	157 51 50.25784	43485.703	514090.582	HI 3	0 02 59.96	0.9999925	49.0	10.35
211574320009	STATE SURVEY 9-16 1969	21 27 53.14806	157 59 50.86386	33005.282	500263.030	HI 3	0 00 3.34	0.9999900	234.0	10.46
211582110001	STATE SURVEY 9-22 1969	21 24 49.60108	157 57 40.33779	27360.602	504022.277	HI 3	0 00 50.99	0.9999902	122.	10.48
211573440006	STATE SURVEY 9-23 1969	21 22 30.47251	157 55 44.30570	23082.750	507365.941	HI 3	0 01 33.19	0.9999907	27.0	10.49
211573440003	STATE SURVEY 9-24 1969	21 22 8.58610	157 54 43.09993	22410.508	509129.510	HI 3	0 01 55.47	0.9999910	39.0	10.50
211573430044	STATE SURVEY 9-26 LOW 1969	21 23 58.74613	157 50 6.77850	25804.980	517086.459	HI 3	0 03 36.45	0.9999936	4.48	10.49
211573410053	STATE SURVEY 9-26 LOW 1969	21 18 40.67495	157 55 39.97452	16015.225	507493.955	HI 3	0 01 34.50	0.9999907		
211573430057	STATION G	21 30 59.37386	157 58 55.23358	38732.987	501863.968	HI 3	0 00 23.75	0.9999900	436.59	10.45
211574330013	STATION Z 1927	20 39 18.52740	156 26 36.95077	35642.878	523244.719	HI 2	0 04 43.27	0.9999733		
201561340038	STONE	20 54 3.13271	156 28 54.65521	62842.165	519227.644	HI 2	0 03 57.36	0.9999712		
201561440034	STONE CRUSHER OUTER GABLE	21 19 16.71443	157 53 29.54887	17125.796	511252.072	HI 3	0 02 21.97	0.9999916	3 SC	10.54
211573430024	STREET MARKER SPIKE 1964	20 45 39.48613	156 13 21.99061	47405.880	546223.462	HI 2	0 09 26.46	0.9999931	2282 SC	13.63
201561130007	SURVEY MARK NEAR KOOLAU 1950	20 57 50.48341	156 37 59.74266	69823.284	503473.828	HI 2	0 00 43.03	0.9999668	435 SC	11.85
201564140022	SURVEY MARK NR WAIKULU 2 1950	21 27 29.94678	157 45 54.10055	32309.968	524354.592	HI 3	0 05 9.45	0.9999973		
211573410073	SW RADIO TOWER AERO OBSTR LT	21 24 1.99794	157 45 15.86547	25915.942	525465.453	HI 3	0 05 22.61	0.9999980	181 SC	10.49
211573410005	SWAMP	20 58 37.40597	156 32 3.73368	71271.645	513756.540	HI 2	0 02 50.50	0.9999690	305 SC	11.75
201564110021	T 1912	20 54 6.09659	156 24 55.87148	62942.680	526128.086	HI 2	0 05 22.56	0.9999751		
201561440006	TALL-TALLEST OF 8 STACKS	20 54 24.87600	156 53 16.90713	63515.655	476971.275	HI 2	-0 04 44.38	0.9999732		
201564440002	TANK	21 17 9.46021	157 45 53.15916	13226.344	524410.249	HI 3	0 05 7.42	0.9999974	49.	10.62
211573420012	TANK	21 19 56.91764	157 42 15.67044	18387.183	530669.756	HI 3	0 06 27.18	1.0000016	50.	10.63
211573130025	TANK 1952	21 19 56.19738	157 42 15.11098	18365.061	530685.919	HI 3	0 06 27.38	1.0000016		14.74
211573130024	TANK 1952 RM 1	20 42 28.33413	156 26 21.66182	41480.569	523679.090	HI 2	0 04 49.37	0.9999736		
201561340004	TANK 1965	21 19 57.53059	157 48 53.35282	18388.542	519210.067	HI 3	0 04 2.52	0.9999946	615 SC	10.57
211573420042	TANTALUS-PUU OHIA 1872	21 21 24.79382	157 57 15.56615	21061.777	504737.532	HI 3	0 00 59.88	0.9999903	2 SC	10.50
211573430068	TEN USN 1960	20 49 21.28509	156 33 43.84968	54166.908	510875.900	HI 2	0 02 13.71	0.9999681	983.	13.07
201564120017	THIRTY 1950	21 42 42.12843	157 59 2.43512	60347.352	501654.487	HI 3	0 00 21.30	0.9999900	4 SC	9.60
211574340020	TIP 1932	21 04 39.56684	156 55 37.76271	82425.913	472931.654	HI 2	-0 05 37.25	0.9999757	1001 SC	11.95
211563330009	TOM	20 46 38.91053	156 31 22.49182	49176.541	514967.534	HI 2	0 03 3.58	0.9999694	17 SC	13.72
201564120024	TOWER 1931	21 24 11.15266	157 49 30.91985	26187.672	518118.867	HI 3	0 03 49.57	0.9999941	215.	10.48
211573410049	TRAM 1969	21 18 11.34324	157 51 38.12326	15117.789	514464.932	HI 3	0 03 2.33	0.9999926	3 SC	10.57
211573420133	TRANSIT OF VENUS 1875	21 16 12.88331	157 46 40.53153	11484.309	523047.179	HI 3	0 04 50.02	0.9999966	3 SC	10.69
211573420017	TRAVERSE MARK 1963	20 33 40.20589	156 39 34.11436	25222.768	500749.733	HI 2	0 00 9.09	0.9999667		
201564230023	TRAY	20 53 26.10967	156 39 36.83669	61692.533	500669.436	HI 2	0 00 8.26	0.9999667		
201564140003	TREE	20 42 30.44374	156 15 29.29961	41582.484	542555.593	HI 2	0 08 40.07	0.9999890	3033.	14.69
201561310026	TT 1 MAUI SECOR AMS 1966	20 42 25.43385	156 15 30.67496	41428.314	542516.184	HI 2	0 08 39.55	0.9999890	3031 SC	14.71
201561310027	TT 2 MAUI SECOR AMS 1966	20 55 34.78332	156 29 42.49358	65659.208	517842.159	HI 2	0 03 40.55	0.9999706	19 SC	11.98
201561440042	TUG 1912	21 32 17.16895	157 51 55.06921	41131.594	513954.184	HI 3	0 02 58.03	0.9999924	633.	10.40
211574320010	TURNOVER 1927									

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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)
201564140023	TURTONS MILL CHIMNEY	20 52 42.66344	156 40 33.64609	60356.433	499027.527	HI 2	-0 00 11.99	0.9999667		
201564110011	U 1912	20 56 48.61279	156 31 58.69480	67925.981	513904.877	HI 2	0 02 52.07	0.9999691	306 SC	11.86
201553210002	U S L H 1913	20 07 39.63699	155 33 27.91523	143277.406	493961.276	HI 1	-0 01 11.55	0.9999671	71 SC	21.84
201561420001	ULALENA 1877	20 51 59.01951	156 15 5.69039	59069.943	543193.790	HI 2	0 08 52.27	0.9999897	659 SC	11.83
201561420002	ULALENA 2 1950	20 52 1.01837	156 15 6.85473	59131.329	543159.975	HI 2	0 08 51.87	0.9999897	657.	11.82
211573420184	ULT	21 16 25.90121	157 45 30.91189	11887.627	525053.579	HI 3	0 05 15.33	0.9999978		
201553310012	UNION STACK	20 14 21.01654	155 48 32.62085	155649.232	467707.716	HI 1	-0 06 24.90	0.9999795		
211573420049	UNIVERSITY OF HAWAII LIBRARY	21 18 0.95753	157 49 12.66479	14802.613	518657.663	HI 3	0 03 55.15	0.9999943	91 SC	10.61
201561310030	UNIVERSITY OF MICHIGAN DOME	20 42 30.09335	156 15 26.44017	41571.917	542638.361	HI 2	0 08 41.08	0.9999891		
211573140006	US MON 1 1952	21 22 51.44327	157 43 10.46670	23752.004	529081.168	HI 3	0 06 8.05	1.0000004	183.	10.52
211573430005	US QUARANTINE STA FLAGSTAFF	21 18 26.93900	157 52 25.61037	15596.294	513095.888	HI 3	0 02 45.11	0.9999921		
211573420178	USE NORTH BASE 1909	21 18 12.71233	157 52 17.67360	15158.929	513324.989	HI 3	0 02 47.97	0.9999922	4 SC	10.57
211573420164	USE SEAWALL	21 17 50.05541	157 51 59.14981	14462.545	513859.465	HI 3	0 02 54.65	0.9999924		
201564340002	USLHS MARK NEAR KAEA 1962	20 43 56.12928	156 57 49.33312	44192.286	469063.135	HI 2	-0 06 18.55	0.9999785	24 SC	12.97
211573410011	VENICE	21 26 12.85408	157 45 39.08686	29939.540	524790.477	HI 3	0 05 14.65	0.9999766		
201561340014	VON	20 40 22.44043	156 26 39.06791	37608.290	523180.744	HI 2	0 04 42.76	0.9999733	2 SC	15.24
211572240003	W C 1	21 11 56.07061	157 08 34.64230	95902.439	450547.115	HI 2	-0 10 20.04	0.9999969	1 SC	11.21
211572310013	W C 17	21 08 44.83725	157 17 17.46230	90073.168	435444.761	HI 2	-0 13 27.18	1.0000181	1 SC	11.45
211572230006	W C 26	21 05 37.36317	157 08 53.03087	84256.878	449981.448	HI 2	-0 10 23.72	0.9999976	1 SC	11.82
211572230004	W C 27	21 05 39.04994	157 08 16.85704	84305.630	451025.665	HI 2	-0 10 10.71	0.9999963		
211573420039	WAAHILA 1928	21 18 0.03928	157 48 39.21763	14775.499	519621.722	HI 3	0 04 7.30	0.9999948	148.	10.61
201564440013	WAHIE	20 55 23.75232	156 56 16.41578	65334.275	471786.935	HI 2	-0 05 48.70	0.9999765		
201561240001	WAI ALE 1883	20 44 3.87938	156 07 24.95496	44497.136	556561.035	HI 2	0 11 32.18	1.0000062	2244 SC	14.07
211572240001	WAI AHEWAHAWA AERO BCN RED LT	21 08 11.50298	157 07 24.74628	88989.916	452543.168	HI 2	-0 09 53.09	0.9999945		
211574330010	WAI AHILAHILA 1927	21 35 31.62842	157 54 47.36276	47108.970	508992.995	HI 3	0 01 55.05	0.9999910	390.	10.24
211573410055	WAI AHOLE 1926	21 28 32.23317	157 50 34.08929	34215.569	516291.394	HI 3	0 03 27.18	0.9999933	16 SC	10.45
201561430008	WAI AKOA 1950	20 46 32.68782	156 26 59.08013	48993.680	522586.289	HI 2	0 04 37.00	0.9999730	40.	13.73
201561420008	WAI AKOA HOLY GHOST CATH CHURCH	20 45 46.27040	156 19 37.99740	47588.163	535346.672	HI 2	0 07 13.21	0.9999821		
211573420015	WAI ALAE 1927	21 18 1.89965	157 46 30.20156	14837.597	523340.195	HI 3	0 04 54.17	0.9999967	414.0	10.64
211573420014	WAI ALAE KAHALA HILTON STACK	21 16 19.88973	157 46 25.83908	11700.397	523470.428	HI 3	0 04 55.38	0.9999968		
211563340009	WAI ALAIA 1925	21 09 10.48330	156 56 16.62255	90759.652	471824.177	HI 2	-0 05 52.42	0.9999765	1003 SC	11.52
211563320004	WAI ALUA 1915	21 06 28.66251	156 46 45.63336	85763.062	488293.867	HI 2	-0 02 26.08	0.9999684	472 SC	11.57
211563320001	WAI ALUA SEA 1915	21 05 46.17282	156 45 30.38847	84454.934	490464.600	HI 2	-0 01 58.92	0.9999678	2 SC	11.61
211563310018	WAI EHU 1925	21 09 59.77209	156 50 34.95769	92261.603	481683.014	HI 2	-0 03 49.27	0.9999708	29 SC	11.26
201564110005	WAI EHU CHURCH BUFF SPIRE	20 54 58.44414	156 30 31.26286	64540.203	516434.122	HI 2	0 03 23.04	0.9999700		
201553320009	WAI ELE 1928	20 04 34.64411	155 51 50.78159	137629.270	461916.831	HI 1	-0 07 29.96	0.9999846	4 SC	23.68
211572230015	WAI ELI	21 06 7.92400	157 14 14.49851	85227.441	440706.443	HI 2	-0 12 19.71	1.0000101		
211572230013	WAI ELI 1885	21 06 4.28904	157 14 10.24353	85115.208	440828.846	HI 2	-0 12 18.14	1.0000099	172 SC	11.69
211572230014	WAI ELI 2 1945	21 06 7.34153	157 14 11.15036	85209.181	440803.010	HI 2	-0 12 18.50	1.0000100	193 SC	11.68
201564110016	WAI HEE 1912	20 56 49.22901	156 33 4.79691	67943.448	511995.176	HI 2	0 02 28.44	0.9999684	782.	11.87
201564110008	WAI HEE CHURCH YELLOW SPIRE	20 56 0.72485	156 30 48.76764	66455.064	515926.479	HI 2	0 03 16.95	0.9999698		
201564110007	WAI HEE MILL STACK	20 55 50.70843	156 30 36.82406	66147.356	516271.860	HI 2	0 03 21.19	0.9999699		
201561440040	WAI KAPU	20 52 36.58725	156 29 23.11970	60179.670	518407.984	HI 2	0 03 46.96	0.9999709		
201564120004	WAI KAPU CHURCH	20 51 26.60507	156 30 33.92566	58025.359	516363.553	HI 2	0 03 21.55	0.9999700		
201564120002	WAI KAPU STACK	20 51 15.18532	156 30 16.85956	57674.654	516857.238	HI 2	0 03 27.59	0.9999702		

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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)
211573420063	WAIKIKI 1927	21 17 3.76602	157 49 44.53335	13042.634	517741.043	HI 3	0 03 43.41	0.9999939	2 SC	10.62
211573420061	WAIKIKI 2	21 17 4.04803	157 49 43.98779	13051.324	517756.760	HI 3	0 03 43.61	0.9999939	1.25	10.62
211573420066	WAIKIKI 3	21 17 7.26527	157 49 47.64987	13150.158	517651.092	HI 3	0 03 42.29	0.9999938	1.15	10.62
211573420068	WAIKIKI LATITUDE ECC	21 16 41.04886	157 49 52.02080	12343.723	517525.962	HI 3	0 03 40.63	0.9999938	3 SC	10.63
201553210006	WAIKOEKOE 2 1948	20 07 33.70961	155 33 47.96145	143095.347	493378.981	HI 1	-0 01 18.44	0.9999672	124 SC	21.88
201553210007	WAIKOEKOE 3 1948	20 07 33.48077	155 33 48.87239	143088.320	493352.521	HI 1	-0 01 18.75	0.9999672	123.	21.88
201564140021	WAIKULU 2 1950	20 57 50.39532	156 37 59.59906	69820.576	503477.977	HI 2	0 00 43.08	0.9999668	435.	11.85
211563320018	WAILAU 1925	21 06 7.88300	156 51 23.87551	85131.642	480263.325	HI 2	-0 04 6.22	0.9999715	1387 SC	11.74
201561340016	WAILUA	20 40 39.48545	156 26 39.59845	38132.450	523164.671	HI 2	0 04 42.63	0.9999733		
201561440041	WAILUKU 1899	20 53 47.42791	156 29 25.62021	62358.182	518333.321	HI 2	0 03 46.27	0.9999708	62 SC	12.23
201564110002	WAILUKU 1907.	20 54 7.43519	156 30 5.46774	62972.251	517181.109	HI 2	0 03 32.11	0.9999703	100.	12.18
201564110003	WAILUKU CHIMNEY	20 53 24.70143	156 30 11.41733	61657.866	517010.511	HI 2	0 03 29.88	0.9999702		
201564110001	WAILUKU CO MILL STACK	20 53 41.40517	156 29 55.07446	62172.050	517482.297	HI 2	0 03 35.75	0.9999704		
201561430005	WAILUKU EAST BASE 1950	20 50 39.22428	156 26 9.08853	56577.471	524021.335	HI 2	0 04 55.66	0.9999738	75.	12.76
201561430006	WAILUKU EAST BASE A 2 1968	20 50 36.67939	156 26 45.57171	56497.729	522966.723	HI 2	0 04 42.67	0.9999732	54.	12.78
201561430007	WAILUKU EAST BASE A HITS 1950	20 50 36.53421	156 26 46.46459	56493.229	522940.916	HI 2	0 04 42.35	0.9999732	53.	12.78
201561430013	WAILUKU EAST BASE B HITS 1950	20 50 37.34089	156 27 19.16682	56516.769	521995.467	HI 2	0 04 30.72	0.9999726	43.	12.79
201561430021	WAILUKU EAST BASE C HITS 1950	20 50 43.81064	156 27 46.97917	56714.699	521191.166	HI 2	0 04 20.85	0.9999722	33.71	12.78
201561430023	WAILUKU EAST BASE D HITS 1950	20 50 54.32092	156 28 40.63527	57036.035	519639.619	HI 2	0 04 1.78	0.9999714	49.	12.75
201561430024	WAILUKU EAST BASE E HITS 1950	20 50 55.15862	156 29 1.37978	57061.105	519039.889	HI 2	0 03 54.40	0.9999711	59.	12.75
201564110004	WAILUKU KAAHUMANU CH SPIRE	20 53 9.87946	156 30 18.58265	61201.830	516803.886	HI 2	0 03 27.28	0.9999702	108 SC	12.33
201561430027	WAILUKU WEST BASE 1950	20 51 8.19482	156 29 46.90353	57460.567	517723.427	HI 2	0 03 38.24	0.9999705	99.	12.71
211573420004	WAILUPE 1928	21 16 50.80355	157 45 28.84048	12653.606	525112.119	HI 3	0 05 16.18	0.9999978	91.	10.69
211573420007	WAILUPE CUPOLA	21 16 32.93031	157 45 36.23892	12103.578	524899.685	HI 3	0 05 13.42	0.9999977		
211573420009	WAILUPE FLAGSTAFF	21 16 35.27305	157 45 36.85148	12175.603	524881.918	HI 3	0 05 13.21	0.9999976		
211573130012	WAIMANALO 1927	21 19 13.97640	157 40 55.12568	17071.006	532993.420	HI 3	0 06 56.26	1.0000034	422 SC	10.67
211573130010	WAIMANALO 2 1969	21 19 7.16243	157 40 33.28432	16862.718	533623.288	HI 3	0 07 4.17	1.0000040	381.	10.67
211573130043	WAIMANALO RIDGE 1952	21 21 13.76958	157 44 0.72089	20745.433	527638.601	HI 3	0 05 49.30	0.9999994	129.	10.57
211573130017	WAIMANALO WHARF DERRICK	21 19 53.71694	157 41 30.31590	18291.248	531976.896	HI 3	0 06 43.67	1.0000026		
211573440005	WAIMANO 1969	21 25 47.90675	157 56 43.34721	29154.338	505662.983	HI 3	0 01 11.85	0.9999904	265.	10.47
201553230008	WAIMA AIRPORT WIND SOCK	20 00 22.16797	155 40 39.96657	129833.885	481398.366	HI 1	-0 03 38.95	0.9999709		
201553230007	WAIMA PARKER RANCH TANK	20 00 50.42066	155 40 18.75567	130702.020	482015.787	HI 1	-0 03 31.77	0.9999707		
201553230004	WAIMA WEST BASE 1948	20 00 51.48920	155 39 22.27904	130733.270	483657.322	HI 1	-0 03 12.44	0.9999700	841.	23.44
201553230001	WAIMA-HAWAII E BASE 1873	20 01 9.91783	155 37 28.34150	131297.178	486969.350	HI 1	-0 02 33.48	0.9999688	877.	23.33
211582110003	WAIPAHU RADIO STATION KAHU TWR	21 23 16.21854	157 59 56.37144	24488.043	500104.521	HI 3	0 00 1.32	0.9999900		
201553220007	WAIPIO 1877	20 07 17.42869	155 36 17.41623	142596.890	489037.829	HI 1	-0 02 9.84	0.9999682	423.	22.07
211572240021	WALHUNA AERO BEACON RED LIGHT	21 09 22.68538	157 07 44.22231	91180.755	451987.578	HI 2	-0 10 0.65	0.9999951		11.49
211573420089	WADLANI 1927	21 20 53.41387	157 50 20.47192	20104.516	516697.885	HI 3	0 03 30.97	0.9999934	432.54	10.53
201564420005	WASH	20 47 21.50299	156 49 5.13239	50487.118	484234.737	HI 2	-0 03 13.49	0.9999697		
201561430003	WASTE 1950	20 50 46.10543	156 25 30.71327	56790.717	525130.437	HI 2	0 05 9.35	0.9999745	103.	12.71
201553230009	WATER	20 01 15.69741	155 21 29.85297	131476.331	514826.825	HI 1	0 02 54.66	0.9999694		
201564430008	WATER TANK	20 47 50.96609	156 56 28.58111	51410.126	471411.656	HI 2	-0 05 51.01	0.9999768		
201564430001	WAWAEKU 1962	20 51 42.29270	156 52 48.71734	58514.555	477779.253	HI 2	-0 04 33.75	0.9999728	375.	12.45
211573430085	WEAVER 1927	21 19 8.54207	157 58 41.04705	16870.736	502275.311	HI 3	0 00 28.70	0.9999901	3 SC	10.52
201564210001	WEST POINT 1962	20 37 57.71035	156 29 55.15046	33150.642	517510.271	HI 2	0 03 33.13	0.9999705	9 SC	15.74

* 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)
201561440049	WEST-WESTERN OF 2 STACKS	20 52 43.25782	156 26 47.75111	60390.357	522898.393	HI 2	0 04 42.35	0.9999731		
201564230002	WET	20 34 45.92089	156 37 25.61502	27244.218	504470.963	HI 2	0 00 54.27	0.9999669	17.	15.83
201564230001	WET 2 1963	20 34 45.64458	156 37 24.54297	27235.729	504502.011	HI 2	0 00 54.64	0.9999669		
211572230010	WHARF	21 05 20.87258	157 11 37.90842	83764.784	445220.995	HI 2	-0 11 22.92	1.0000037		
201564420003	WHARF 1931	20 49 49.06122	156 48 40.39830	55024.334	484954.117	HI 2	-0 03 5.05	0.9999695		12.68
211572230012	WHITE 1925	21 05 23.42517	157 13 8.65612	83852.169	442601.973	HI 2	-0 11 55.60	1.0000074	4 SC	11.75
201564420010	WHITE BUILDING	20 51 4.11314	156 49 41.13449	57334.090	483200.408	HI 2	-0 03 26.85	0.9999702		
211573410059	WHITE CHURCH SPIRE	21 29 41.82864	157 51 6.91719	36355.144	515344.320	HI 3	0 03 15.33	0.9999929		
211573420022	WILHELMINA C OF RESERVOIR SHED	21 17 53.34020	157 47 6.83646	14572.874	522284.650	HI 3	0 04 40.83	0.9999961		
201564430020	WIND 1927	20 51 52.66908	156 59 26.59595	58852.880	466278.635	HI 2	-0 06 55.50	0.9999807	534 SC	12.42
211574340009	WIRELESS POLE	21 40 57.81782	157 56 38.45571	57140.034	505793.796	HI 3	0 01 14.46	0.9999904		
211573420146	WIRELESS POLE TOP	21 18 11.86314	157 51 46.33329	15133.572	514228.291	HI 3	0 02 59.35	0.9999925		
211573420031	WOODLAWN 1928	21 18 33.97608	157 48 3.66066	15820.509	520645.242	HI 3	0 04 20.32	0.9999953	123 SC	10.61
201564440004	WRECK	20 55 19.05044	156 54 51.60982	65185.712	474237.151	HI 2	-0 05 18.39	0.9999749		
211573420111	WYLLIE 1927	21 20 4.26092	157 51 7.52205	18591.450	515343.652	HI 3	0 03 13.72	0.9999929	161 SC	10.54
211572230005	X	21 06 11.82317	157 08 46.19800	85316.095	450181.854	HI 2	-0 10 21.53	0.9999973	156 SC	11.77
211573430064	Y 2 1960	21 21 19.99821	157 56 48.58495	20914.528	505514.942	HI 3	0 01 9.70	0.9999904	3 SC	10.50

* For conversion of meters to U.S. Survey Feet multiply the meters by 39.37/12.0 which is 3.28083333333 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