

Name	ID Number		PacIOOS Observing Class	General Location	Latitude	Longitude	Depth/Elevation (m)	Instrument Type (s)	Variables measured	Measurement Interval	Ownership		Operations/Maintenance		Partners	Date in service	Date out of service	Active (y/n)	Data telemetered (y/n)	Contact Person	Contact Telephone
	Special	NDBC									Purchaser	Funder	Provider	Funder							
Kalo Waverider	CDIP 163	52201	Waves	Majuro, Marshall Islands	7 5.49N	171 23.62E	-465 Mark II	Datawell wave energy, wave direction, sea temperature	30 minutes	UH, PacIOOS NSF	Univ. of Hawaii	NSF	CDIP, PacIOOS		4/23/2010; 7/9/2014		y	Y	Mark Merrifield	808-956-6161	
Ipan Waverider	CDIP 121	52200	Waves	Ipan, Guam	13 21.25N	144 47.3E	-200 Mark II	Datawell wave energy, wave direction, sea temperature	30 minutes	UH, PacIOOS USACE	PacIOOS	IOOS	CDIP, USACE		7/15/03		y	Y	Mark Merrifield	808-956-6161	
Ritidian Point Waverider	CDIP 196	52202	Waves	Ritidian Point, Guam	13 40.97N	144 48.70E	-515 Mark II	Datawell wave energy, wave direction, sea temperature	30 minutes	UH, PacIOOS NOAA CSP	PacIOOS	IOOS	CDIP, USACE		10/20/12		y	Y	Mark Merrifield	808-956-6161	
Tanapag Waverider	CDIP 197	52211	Waves	Tanapag, Saipan CNMI	15 16.02N	145 39.75E	-475 Mark II	Datawell wave energy, wave direction, sea temperature	30 minutes	UH, PacIOOS NOAA CSP	PacIOOS	IOOS	CDIP, USACE		10/24/12		y	Y	Mark Merrifield	808-956-6161	
Lanai Waverider	CDIP 146	51203	Waves	Kaunapalapa, Lanai, Hawaii	20 47.27N	157 0.59W	-201 Mark II	Datawell wave energy, wave direction, sea temperature	30 minutes	UH, PacIOOS USACE	PacIOOS	IOOS	CDIP, USACE		5/17/07		y	Y	Mark Merrifield	808-956-6161	
Barber's Point Waverider	CDIP 165	51204	Waves	Barbers Point, Oahu, Hawaii	21 16.88N	158 7.42W	-300 Mark II	Datawell wave energy, wave direction, sea temperature	30 minutes	UH, PacIOOS JIMAR	PacIOOS	IOOS	CDIP, USACE		10/10/11		y	Y	Mark Merrifield	808-956-6161	
Mokapu Waverider	CDIP 098	51202	Waves	Mokapu Point, Oahu, Hawaii	21 24.9N	157 40.7W	-100 Mark II	Datawell wave energy, wave direction, sea temperature	30 minutes	UH, PacIOOS US ONR	PacIOOS	USACE	CDIP, USACE		8/9/00		y	Y	Mark Merrifield	808-956-6161	
Waimea Waverider	CDIP 106	51201	Waves	Waimea Bay, Oahu, Hawaii	21 40.36N	158 6.95W	-200 Mark II	Datawell wave energy, wave direction, sea temperature	30 minutes	UH, PacIOOS US ONR	PacIOOS	USACE	CDIP, USACE		12/15/01		y	Y	Mark Merrifield	808-956-6161	
Kaneohe Waverider	CDIP 198	51207	Waves	Kaneohe Bay, Oahu, Hawaii	21 28.65N	157 45.16W	-81 Mark II	Datawell wave energy, wave direction, sea temperature	30 minutes	UH, PacIOOS HNEI	PacIOOS	IOOS	CDIP, USACE		10/16/12		y	Y	Mark Merrifield	808-956-6161	
Kahului Waverider	CDIP 187	51205	Waves	Pauwela, Maui	21 1.17N	156 25.63W	-213 Mark II	Datawell wave energy, wave direction, sea temperature	30 minutes	UH, PacIOOS JIMAR	PacIOOS	IOOS	CDIP, USACE		12/3/11		y	Y	Mark Merrifield	808-956-6161	
Hanalei Waverider	CDIP 202	51208	Waves	Hanalei, Kauai	22.2859N	159.5749W	-244 Mark II	Datawell wave energy, wave direction, sea temperature	30 minutes	UH, PacIOOS NOAA CSP	PacIOOS	IOOS	CDIP, USACE		10/2/13		y	Y	Mark Merrifield	808-956-6161	
Hilo Waverider	CDIP 188	51206	Waves	Hilo, Hawaii	19 46.89N	154 58.08W	-347 Mark II	Datawell wave energy, wave direction, sea temperature	30 minutes	UH, PacIOOS JIMAR	PacIOOS	IOOS	CDIP, USACE		3/4/12		y	Y	Mark Merrifield	808-956-6161	
American Samoa Waverider	CDIP 189	51209	Waves	Aunuu American Samoa	14 15'90S	170 29'60W	-80 Mark II	Datawell wave energy, wave direction, sea temperature	30 minutes	UH, PacIOOS NOAA CSP	PacIOOS	IOOS	CDIP, USACE		10/23/14		y	Y	Mark Merrifield	808-956-6161	
Ala Wai Buoy	WQB-AW		Water Quality Buoy	Ala Wai, Oahu, Hawaii	21.28N	157.85W	SBE-37-SMP, YSI-6600, LICOR-820-NDIR, Maxtech-MAX-250, Satlantic a, turbidity, pH, nitrate	pressure, humidity, dissolved oxygen, temperature, salinity, chlorophyll a, turbidity, pH, nitrate	variable (20min, 60min)	Univ. of Hawaii, NOAA-PMEL	IOOS, NOAA-PMEL (no longer IOOS as of 6/2014)	IOOS, NOAA-PMEL (no longer IOOS as of 6/2014)	IOOS, NOAA-PMEL (no longer IOOS as of 6/2014)		6/6/08		y	Y	Eric DeCarlo	808-956-5924	
Kilo Nalu Buoy	WQB-KN		Water Quality Buoy	Kakaako, Oahu, Hawaii	21.29N	157.87W	SBE-37-SMP, YSI-6600, LICOR-820-NDIR, Maxtech-MAX-250, nitrate	pressure, humidity, dissolved oxygen, temperature, salinity, chlorophyll a, turbidity, pH, nitrate	variable (20min, 60min)	Univ. of Hawaii, NOAA-PMEL	IOOS, NOAA-PMEL (no longer IOOS as of 6/2014)	IOOS, NOAA-PMEL (no longer IOOS as of 6/2014)	IOOS, NOAA-PMEL (no longer IOOS as of 6/2014)		6/6/08		y	Y	Eric DeCarlo	808-956-5924	
CRIMP/ Kaneohe			Water Quality Buoy	Kaneohe Bay, Oahu, Hawaii	21.43N	157.79W	SBE-37-SMP, YSI-6600, LICOR-820-NDIR, Maxtech-MAX-250	salinity, chlorophyll a, turbidity, pH, pCO2 (air and water), barometric pressure, humidity, dissolved oxygen, temperature	variable (20min, 60min)	UH Sea Grant		PacIOOS, UH Sea Grant	IOOS, NOAA-PMEL		11/29/05		y	y to PMEL	Eric DeCarlo	808-956-5924	
CRIMP2			Water Quality Buoy	Kaneohe Bay, Oahu, Hawaii	21.46N	157.80W	SBE-37-SMP, YSI-6600, LICOR-820-NDIR, Maxtech-MAX-250	salinity, chlorophyll a, turbidity, pH, pCO2 (air and water), barometric pressure, humidity, dissolved oxygen, temperature	variable (20min, 60min)	UH Sea Grant		PacIOOS, UH Sea Grant	IOOS, NOAA-PMEL		5/31/08		y	y to PMEL	Eric DeCarlo	808-956-5924	
DIC	DIC		DIC analyzer	Kakaako, Oahu, Hawaii	21.28N	157.85W	-2 DIC Analyzer	carbon		UH	IOOS	PacIOOS	IOOS	NOAA PMEL UH Sea Grant, NOAA PMEL UH Sea Grant,	10/31/13		y	y	Eric DeCarlo	808-956-5924	
pH	pH1		pH sensor	on CRIMP buoy, Kaneohe	21.43N	157.79W		pH		ACT	IOOS	PacIOOS	IOOS	NOAA PMEL UH Sea Grant,	11/14/13		y	y	Eric DeCarlo	808-956-5924	
pH	pH2		pH sensor	on CRIMP2 buoy, Kaneohe	21.46N	157.80W		pH		ACT	IOOS	PacIOOS	IOOS	NOAA PMEL	11/14/13		y	y	Eric DeCarlo	808-956-5924	
Hilo Buoy			Water Quality Buoy	Hilo Bay, Hawaii, Hawaii	19.7342	-155.0817	-2 YSI-EMM-68	salinity, temperature, dissolved oxygen, turbidity, nitrate, chlorophyll a, phycoerythrin, pressure		UH Hilo		PacIOOS	IOOS	NSF EPSCoR, PacIOOS	10/23/10		y	y	Jason Adolf	808-933-3903	
Kiholo Buoy			Water Quality Buoy	Kiholo Bay, Island of Hawaii	19.8631	-155.9294	Satlantic Bay LOBO	current profiler, fluorometer, salinity, temperature, DO, turbidity, chlorophyll a, phycoerythrin, pressure		UH EPSCoR NSF		PacIOOS	IOOS	NSF EPSCoR, PacIOOS	June - December 2013; March - September 2014	12/1/12	2014	n	y	Jason Adolf	808-933-3904
Pelekane Bay Buoy			Water Quality Buoy	Pelekane Bay, Islands of Hawaii			YSI 85	water temperature, pressure, salinity, chlorophyll a, phycoerythrin, pressure		UH EPSCoR NSF		PacIOOS	IOOS	NSF EPSCoR, PacIOOS	pending permits			n	y	Jason Adolf	808-933-3904
Ala Wai NSS	NS01		Nearshore Sensor	Ala Wai, Oahu, Hawaii	21 17'16"N	157 50'26"W	SBE-16V2+, Wetlabs -1 ECOFLNTUS	pressure, salinity, chlorophyll a, turbidity, water temperature	4 min	PacIOOS	IOOS	PacIOOS	IOOS	Waikiki Yacht Club	6/27/08	3/23/13	n	when active	Margaret McManus	808-956-8623	
Hawaii Yacht Club NSS	NS02		Nearshore Sensor	moving to Waiupepe, Oahu			SBE-16V2+, Wetlabs -1 ECOFLNTUS	pressure, salinity, chlorophyll a, turbidity, water temperature	4 min	PacIOOS	IOOS	PacIOOS	IOOS	Hawaii Yacht Club	7/28/08	2/11/11	n	n	Margaret McManus	808-956-8623	
Hilton Hawaiian Village NSS	NS03		Nearshore Sensor	Waikiki, Oahu, Hawaii	21 16'49"N	157 49'22"W	-1 SBE-16V2+	pressure, salinity, water temperature	4 min	PacIOOS	IOOS	PacIOOS	IOOS	Atlantis Submarines	1/15/09		y	y	Margaret McManus	808-956-8623	

Waikiki Aquarium NSS	NS04	Nearshore Sensor	Waikiki, Oahu, Hawaii	21 15'57"N 158 49'22"W	-2 SBE-16V2+	water temperature, pressure, salinity	4 min	PacIOOS	IOOS	PacIOOS	IOOS	Waikiki Aquarium	9/25/09	y	y	Margaret McManus	808-956-8623				
Pago Pago NSS	NS05	Nearshore Sensor	Pago Pago, American Samoa	14 16'35"S 170 41'26"W	-2 ECOFLNTUS	water temperature, pressure, salinity, chlorophyll a, turbidity	4 min	PacIOOS	IOOS	PacIOOS	IOOS	American Samoa Dept. of Marine and Wildlife Resources, UH Sea Grant	6/8/10	Out of water due to repairs	y	n	Margaret McManus	808-956-8623			
Pohnpei NSS	NS06	Nearshore Sensor	Pohnpei, Federated States of Micronesia	6 57'25"N 158 13'20"E	SBE-16V2+, Wetlabs	water temperature, pressure, salinity, chlorophyll a, turbidity	4 min	PacIOOS	IOOS	PacIOOS	IOOS	MERIP	5/7/10	y	n	Margaret McManus	808-956-8623				
Majuro NSS	NS07	Nearshore Sensor	Uliga Dock, Majuro, Marshall Islands	7 6'21"N 171 22'22"E	SBE-16V2+, Wetlabs	water temperature, pressure, salinity, chlorophyll a, turbidity	4 min	PacIOOS	IOOS	PacIOOS	IOOS	College of the Marshall Islands, UH Sea Grant	5/2/10	y	n	Margaret McManus	808-956-8623				
Palau NSS	NS08	Nearshore Sensor	Koror, Palau	7 20'18"N 134 27'56"E	SBE-16V2+, Wetlabs	water temperature, pressure, salinity, chlorophyll a, turbidity	4 min	PacIOOS	IOOS	PacIOOS	IOOS	Palau International Coral Reef Center	5/24/10	y	y	Margaret McManus	808-956-8623				
Cetti Bay, Guam NSS	NS09	Nearshore Sensor	Cetti Bay, Guam	13 18'54"N 144 39'35"E	SBE-16V2+, Wetlabs	water temperature, pressure, salinity, chlorophyll a, turbidity	4 min	PacIOOS	IOOS	PacIOOS	IOOS	Univ. of Guam	5/20/10	3/13/11	n	n	Margaret McManus	808-956-8623			
Maunaloa Bay NSS	NS10	Nearshore Sensor	Maunaloa Bay, Oahu Hawaii	21 16'49"N 157 42'40"W	SBE-16V2+, Wetlabs	water temperature, pressure, salinity, chlorophyll a, turbidity	4 min	PacIOOS	IOOS	PacIOOS	IOOS	Malama Maunaloa Pacific Marine Resources Institute, NOAA-ADML	5/30/11	y	y	Margaret McManus	808-956-8623				
Lao Lao Bay NSS	NS11	Nearshore Sensor	Lao Lao Bay, Saipan, CNMI	15 9'24.40"N 145 46'10.62"E	SBE-16V2+, Wetlabs	water temperature, pressure, salinity, chlorophyll a, turbidity	4 min	PacIOOS, NOAA-ADML	IOOS, NOAA-ADML	PacIOOS, NOAA-ADML	IOOS, NOAA-ADML		Jun-14	n	when active	Jim Hendee	305-361-4380				
Kalama Beach Park, Maui NSS	NS12	Nearshore Sensor	Maui 1	20 44'3.27"N 156 27'21.02"W	YSI-6600V2	temperature, salinity, pressure, chlorophyll, turbidity	4 min	PacIOOS	IOOS	PacIOOS	IOOS	Univ. of Hawaii Maui College, HIHWNMS	Aug-14	y	n	Margaret McManus	808-956-8623				
Kahului Harbor, Maui NSS	NS13	Nearshore Sensor	Maui 2	20 53'41.70"N 156 28'8.55"W	YSI-6600V2	temperature, salinity, pressure, chlorophyll, turbidity	4 min	PacIOOS	IOOS	PacIOOS	IOOS	Univ. of Hawaii Maui College, HIHWNMS	Aug-14	y	y	Margaret McManus	808-956-8623				
Lanai NSS		Nearshore Sensor	Mauanalei Ahupua'a, Lanai	1) 20.8988N 2) 20.8951N	1) 156.87485W 2) 156.87099W	SBE-16V2+, Wetlabs	water temperature, pressure, salinity, chlorophyll a, turbidity	4 min	PacIOOS	IOOS	PacIOOS	IOOS	Conservation International Hawaii Fish Trust	5-Jun-14	4-Aug-14	n	n	Margaret McManus	808-956-8623		
Pago Bay, Guam NSS	NS15	Nearshore Sensor	Pago Bay, Guam	13 25'14.94"N 144 47'9.36"E	SBE-16V2+, Wetlabs	water temperature, pressure, salinity, chlorophyll a, turbidity	4 min	PacIOOS	IOOS	PacIOOS	IOOS	Univ. of Guam Sea Grant	7/6/12	y	y	Margaret McManus	808-956-8623				
Wailupe NSS	NS16	Nearshore Sensor	South Shore, Oahu	21 16'49"N 157 42'40"W	SBE-16V2+, Wetlabs	water temperature, pressure, salinity, chlorophyll a, turbidity	4 min	PacIOOS	IOOS	PacIOOS	IOOS		10/29/13	out of water due to repairs to installation	n	n	Margaret McManus	808-956-8623			
HFR Kakaako	KAK	HF Radio	Kakaako, Oahu, Hawaii	21.2917N 157.8583W	2 UH-LERA	HFR surface currents	15 min	PacIOOS	PacIOOS	PacIOOS	IOOS	Hawaii Community Development Authority City and County of Honolulu, Hawaii		y	y	Pierre Flament	808-956-6663				
HFR Koko Head	KOK	HF Radio	Koko Head, Oahu, Hawaii	21.2608N 157.7028W	182 UH-LERA	HFR surface currents	15 min	PacIOOS	SOEST	PacIOOS	IOOS	ICS Division US Fish and Wildlife Service, Hawaii Dept. of Transportation Airports Division		y	y	Pierre Flament	808-956-6663				
HFR Kalaeloa	KAL	HF Radio	Kalaeloa, Oahu, Hawaii	21.2975N 158.0836W	2 UH-LERA	HFR surface currents	15 min	PacIOOS	SOEST	PacIOOS	IOOS	US Fish and Wildlife	4-Mar-13	y	y	Pierre Flament	808-956-6663				
HFR Kaena		HF Radio	Kaena Point, Oahu	21.575N 158.28973W	UH-LERA	HFR surface currents	15 min	PacIOOS	SOEST	PacIOOS	IOOS			permits secured; pending installation	n	n	Pierre Flament	808-956-6663			
HFR Chevron		HF Radio	Kapolei, Oahu		UH-LERA	HFR surface currents	15 min	PacIOOS	SOEST	PacIOOS	IOOS	Chevron UH Hilo, UHM, PacIOOS, NOAA CSP			permits secured; pending installation	n	n	Pierre Flament	808-956-6663		
HFR Keaukaha		HF Radio	Hilo Bay, Hawaii, Hawaii		UH-LERA	HFR surface currents	15 min	UH Hilo	NOAA CSP	PacIOOS	IOOS		10-Mar-14		y	y	Pierre Flament	808-956-6663			
HFR Hamakua Pepeekeo		HF Radio	Hilo Bay, Hawaii, Hawaii		UH-LERA	HFR surface currents	15 min	UH Hilo	NOAA CSP	PacIOOS	IOOS	UH Hilo, UHM, PacIOOS, NOAA CSP; USCG			permits secured; pending installation	n	n	Pierre Flament	808-956-6663		
REMUS AUV		AUV	South Shore, Oahu	various	various	various	various	PacIOOS,	IOOS,	PacIOOS,	IOOS,	UH Manoa				n	n	Geno Pawlak	808-956-8100		
Glider		Glider	Various	various	various	various	various	IRobot		University of Hawaii					y	n	Brian Powell	808-956-6724			
Lanai Aquadopp	(x2)	reef flat	Mauanalei Ahupua'a, Lanai	1) 20.8988N 2) 20.8951N	1) 156.87485W 2) 156.87099W	Nortek Aquadopp	current profiler and sediment trap		University of Hawaii		PacIOOS		Conservation International Hawaii Fish Trust	5/5/14		1st recover: 8/4/14	n	n	Margaret McManus	808-956-8623	
Haleiwa Aquadopp (inside harbor)	(x4)	Harbor	Haleiwa Harbor, Oahu, Hawaii	various	various	various	various	Nortek Aquadopp		PacIOOS	IOOS	PacIOOS	IOOS	JIMAR	1st deploy: 11/28/13	2nd deploy: varied 1/2014	3rd month deployments	n	n	Doug Luther	808-956-5875

Haleiwa Aquadopp (outside harbor)	(x2)	Harbor	Haleiwa Harbor, Oahu, Hawaii	various	various	various	Nortek Aquadopp	currents, temperature, pressure	PacIOOS	IOOS	PacIOOS	IOOS	JIMAR	11/28/13	5/22/14	n	n		
Haleiwa AWAC		Harbor	Waimea Bay, Oahu, Hawaii				Nortek AWAC	currents, pressure, temperature	PacIOOS	IOOS	PacIOOS	IOOS	JIMAR	12/4/13		y	n	Mark Merrifield	808-956-6161
Kilo Nalu Current Meter		Harbor	Kilo Nalu, Kakaako, Oahu				Nortek Aquadopp	currents, temperature	PacIOOS	IOOS	PacIOOS	IOOS	JIMAR	pending deployment		n	n	Mark Merrifield	808-956-6161
Hilo Harbor	(x6)	Harbor	Hilo Bay, Hawaii, Hawaii	various	various	various		currents, pressure, temperature, wave energy, wave direction, sea	USACE	USACE	USACE	USACE	JIMAR	pending deployment		n	n	Mark Merrifield	808-956-6161
Hilo wave sensor		Harbor	Hilo Bay, Hawaii, Near NOS SL gauge				wave sensor	temperature currents, conductivity, pressure, turbidity					JIMAR	pending deployment		n	n	Mark Merrifield	808-956-6161
Hanauma Sub-surface Mooring		Harbor	~5km ESE of Hanauma Bay, Oahu, Hawaii				McLane Moored Profilers	temperature, pressure, turbidity	PacIOOS	IOOS	PacIOOS	IOOS	JIMAR	3/1/13	8/30/13	n	n	Doug Luther	808-956-5875
Honolulu Sub-surface Mooring		Harbor	~5km South of Honolulu Harbor, Oahu, Hawaii				McLane Moored Profilers	temperature, pressure, turbidity	PacIOOS	IOOS	PacIOOS	IOOS	JIMAR	3/1/13	8/30/13	n	n	Doug Luther	808-956-5875
Pressure Sensor	PS1	Pressure Sensor	Lanai				Computer (U-20-001-01-Ti) Onset	pressure	PacIOOS	IOOS	PacIOOS	IOOS		pending deployment		n	n	Margaret McManus	808-956-8623
Pressure Sensor	PS2	Pressure Sensor	Lanai				Computer (U-20-001-01-Ti) Onset	pressure	PacIOOS	IOOS	PacIOOS	IOOS		1/10/14	3/17/14	n	n	Margaret McManus	808-956-8623
Pressure Sensor	PS3	Pressure Sensor	Lanai				Computer (U-20-001-01-Ti) Onset	pressure	PacIOOS	IOOS	PacIOOS	IOOS		1/10/14	3/17/14	n	n	Margaret McManus	808-956-8623
Pressure Sensor	PS4	Pressure Sensor	Lanai				Computer (U-20-001-01-Ti) Onset	pressure	PacIOOS	IOOS	PacIOOS	IOOS		1/10/14	3/17/14	n	n	Margaret McManus	808-956-8623
Pressure Sensor	PS5	Pressure Sensor	Lanai				Computer (U-20-001-01-Ti) Onset	pressure	PacIOOS	IOOS	PacIOOS	IOOS		1/10/14	3/17/14	n	n	Margaret McManus	808-956-8623
Pressure Sensor	PS6	Pressure Sensor	Lanai				Computer (U-20-001-01-Ti) Onset	pressure	PacIOOS	IOOS	PacIOOS	IOOS		1/10/14	3/17/14	n	n	Margaret McManus	808-956-8623
Pressure Sensor	PS7	Pressure Sensor	Lanai				Computer (U-20-001-01-Ti) Onset	pressure	PacIOOS	IOOS	PacIOOS	IOOS		1/10/14	3/17/14	n	n	Margaret McManus	808-956-8623
Pressure Sensor	PS8	Pressure Sensor	Lanai				Computer (U-20-001-01-Ti) Onset	pressure	PacIOOS	IOOS	PacIOOS	IOOS		1/10/14	3/17/14	n	n	Margaret McManus	808-956-8623
Pressure Sensor	PS8	Pressure Sensor	Lanai				Computer (U-20-001-01-Ti) Onset	pressure	PacIOOS	IOOS	PacIOOS	IOOS		1/10/14	3/17/14	n	n	Margaret McManus	808-956-8623
Pressure Sensor	PS9	Pressure Sensor	Lanai				Computer (U-20-001-01-Ti) Onset	pressure	PacIOOS	IOOS	PacIOOS	IOOS		1/10/14	3/17/14	n	n	Margaret McManus	808-956-8623
Pressure Sensor	PS10	Pressure Sensor	Lanai				Computer (U-20-001-01-Ti) Onset	pressure	PacIOOS	IOOS	PacIOOS	IOOS		1/10/14	3/17/14	n	n	Margaret McManus	808-956-8623
Shark tags	(x10)	Animal Tracking	Tagged off Oahu				fin-mounted SPOT satellite tags	location of animal	PacIOOS	IOOS	PacIOOS	IOOS	UH HIMB			y	y	Kim Holland	808-236-7410
Shark tags	(x8)	Animal Tracking	Tagged off Maui				fin-mounted SPOT satellite tags	location of animal	UH HIMB	State of Hawaii			UH HIMB	Oct-13		y	y	Kim Holland	808-236-7410
Maui Acoustics	(x15)	Animal Tracking	Tagged off Maui				implanted acoustic transmitters	presence of animals	UH HIMB	State of Hawaii			UH HIMB	Oct-13		y	n	Kim Holland	808-236-7410
Kaneohe Bay Acoustic Receivers	(x3)	Animal Tracking	Kaneohe Bay, Oahu, Hawaii				Kiapa String Acoustic Receivers	presence of animals	PacIOOS	IOOS OTN	PacIOOS	IOOS	UH HIMB	Dec-12	Nov-13	n	n	Kim Holland	808-236-7410
DART 52401		52401 Water Level	610 NM NE of Saipan, CNMI	19.261N	155.771E	-5578 DART II	water level	15 sec	NOAA NDBC	NOAA NDBC	NOAA NDBC	NOAA NDBC		12/12/06		n	n		
DART 52402		52402 Water Level	790 NM NW of Kovalajien, RMI	11.883N	154.116E	-5875 DART II	water level	15 sec	NOAA NDBC	NOAA NDBC	NOAA NDBC	NOAA NDBC		12/15/06		y	y		
DART 52403		52403 Water Level	430 NM SW of Truk, FSM	4.033N	145.597E	-4431 DART II	water level	15 sec	NOAA NDBC	NOAA NDBC	NOAA NDBC	NOAA NDBC		12/18/06		y	y		
DART 52405		52405 Water Level	740 NM NW of Agaña, Guam	12.881N	132.333E	-5923 DART II	water level	15 sec	NOAA NDBC	NOAA NDBC	NOAA NDBC	NOAA NDBC		12/4/06		y	y		
DART 51407		51407 Water Level	Kona Coast, Hawaii, Hawaii	19.642N	156.516W	-4737 DART II	water level	15 sec	NOAA NDBC	NOAA NDBC	NOAA NDBC	NOAA NDBC		6/28/05		y	y		
DART 51426		51426 Water Level	400NM SE of Tonga	22.993S	168.098W	-5700 DART II	water level	15 sec	NOAA NDBC	NOAA NDBC	NOAA NDBC	NOAA NDBC		2/16/08		n	n		
DART 51425		51425 Water Level	370NM NW of Apia	9.493S	176.245W	-4962 DART II	water level	15 sec	NOAA NDBC	NOAA NDBC	NOAA NDBC	NOAA NDBC		2/28/08		n	n		
DART 21413		21413 Water Level	690 NM SE of Tokyo, Japan	30.515N	152.117E	-5822 DART II	water level	15 sec	NOAA NDBC	NOAA NDBC	NOAA NDBC	NOAA NDBC		11/27/06		y	y		
Nawiliwili Tide Gauge	1611400 NWWH1	Water Level	Nawiliwili, Kauai, Hawaii	21° 57.2' N	159° 21.3' W	0	water level, wind, air temperature, water temperature, barometric pressure	6 min	NOAA	NOAA	NOAA	NOAA		2/16/91		y	y		
Mokuolohe Tide Gauge	1612480 MOKH1	Water Level	Coconut Island, Oahu, Hawaii	21° 25.9' N	157° 47.4' W	0	water level, wind, air temperature, water temperature, barometric pressure	6 min	NOS-COOPS	NOS-COOPS	NOS-COOPS	NOS-COOPS		1/21/89		y	y		
Honolulu Tide Gauge	1612340 OOUH1	Water Level	Honolulu, Oahu, Hawaii	21° 18.4' N	157° 52.0' W	0	water level, wind, air temperature, water temperature, barometric pressure	6 min	NOS-COOPS	NOS-COOPS	NOS-COOPS	NOS-COOPS		1/20/89		y	y		
Kahului Tide Gage	1615680 KLIH1	Water Level	Kahului, Maui, Hawaii	20° 53.7' N	156° 28.6' W	0	water level, wind, air temperature, water temperature, barometric pressure	6 min	NOS-COOPS	NOS-COOPS	NOS-COOPS	NOS-COOPS		1/30/89		y	y		
Hilo Tide Gauge	1617760 ILOH1	Water Level	Hilo, Hawaii, Hawaii	19° 43.8' N	155° 3.3' W	0	water level, wind, air temperature, water temperature, barometric pressure	6 min	NOS-COOPS	NOS-COOPS	NOS-COOPS	NOS-COOPS		1/13/89		y	y		
Kawaihae Tide Gauge	1617433	Water Level	Kawaihae, Hawaii, Hawaii	20° 2.1' N	155° 49.7' W	0	water level, wind, air temperature, water temperature, barometric pressure	6 min	NOS-COOPS	NOS-COOPS	NOS-COOPS	NOS-COOPS		2/6/88		y	y		
Apra Tide Gauge	1630000 APRP7	Water Level	Apra Harbor, Guam,	13° 26.3' N	144° 39.2' E	0	water level, wind, air temperature, water temperature, barometric pressure	6 min	NOS-COOPS	NOS-COOPS	NOS-COOPS	NOS-COOPS		2/28/89		y	y		

Pago Bay Tide Gauge	1631428	PGBP7	Water Level	Pago Bay, Guam	13° 25.7' N	144° 47.8' E	0	water level, wind, barometric pressure	6 min	NOS-COOPS	NOS-COOPS	NOS-COOPS	NOS-COOPS	4/21/04	y	y				
Pago Pago Tide Gauge	1770000	NSTP6	Water Level	Pago Pago, American Samoa	14° 16.8' S	170° 41.4' W	0	water level, wind, air temperature, water temperature, barometric pressure	6 min	NOS-COOPS	NOS-COOPS	NOS-COOPS	NOS-COOPS	2/20/89	y	y				
Kwajalein Tide Gauge	1820000	KWJP8	Water Level	Kwajalein, Marshall Islands	8° 43.9' N	167° 44.1' E	0	water level, wind, air temperature, water temperature, barometric pressure	6 min	NOS-COOPS	NOS-COOPS	NOS-COOPS	NOS-COOPS	2/10/90	y	y				
Wake Tide Gauge	1890000	WAKP8	Water Level	Wake Island, USA	19° 17.4' N	166° 37.0' E	0	water level, wind, air temperature, water temperature, barometric pressure	6 min	NOS-COOPS	NOS-COOPS	NOS-COOPS	NOS-COOPS	2/20/89	y	y				
Midway Tide Gauge	1619910	SNDP5	Water Level	Sand Island, Midway Islands	28° 12.7' N	177° 21.6' W	0	water level, wind, air temperature, water temperature, barometric pressure	6 min	NOS-COOPS	NOS-COOPS	NOS-COOPS	NOS-COOPS	2/28/89	y	y				
TUT 018	51118	CREIOS		Southern Tutuila, American Samoa	14.3667S	170.763W	-0.3	SBE-39	water temperature	60 min	NOAA-PIFSC	NOAA-PIFSC	NOAA-PIFSC	NOAA-PIFSC	N/A	2/26/06	y	y	Kevin Wong	808-983-3733
TUT 002	51179	CREIOS		Southwestern Tutuila, American Samoa	14.328S	170.833W	-0.2	SBE-39	water temperature	60 min	NOAA-PIFSC	NOAA-PIFSC	NOAA-PIFSC	NOAA-PIFSC	N/A	2/27/02	y	y	Kevin Wong	808-983-3724
TUT 001	51168	CREIOS		East Tutuila, American Samoa	14.284S	170.652W	-0.2	SBE-39	water temperature	60 min	NOAA-PIFSC	NOAA-PIFSC	NOAA-PIFSC	NOAA-PIFSC	N/A	2/25/10	y	y	Kevin Wong	808-983-3735
OFU 008	51174	CREIOS		Ofu, American Samoa	14.181S	169.652W	-0.2	SBE-40	water temperature	60 min	NOAA-PIFSC	NOAA-PIFSC	NOAA-PIFSC	NOAA-PIFSC	N/A	3/10/10	y	y	Kevin Wong	808-983-3736
TAU 004	51178	CREIOS		Tau, American Samoa	14.244S	169.509W	-0.2	SBE-39	water temperature	60 min	NOAA-PIFSC	NOAA-PIFSC	NOAA-PIFSC	NOAA-PIFSC	N/A	2/6/04	y	n	Kevin Wong	808-983-3737
ROS 002	51177	CREIOS		Rose Atoll, American Samoa	14.551S	168.160W	-0.2	SBE-39	water temperature	60 min	NOAA-PIFSC	NOAA-PIFSC	NOAA-PIFSC	NOAA-PIFSC	N/A	3/11/08	y	n	Kevin Wong	808-983-3739
JAR 016	51169	CREIOS		Jarvis Island	0.379 S	159.978 W	-0.2	SBE-39	water temperature	60 min	NOAA-PIFSC	NOAA-PIFSC	NOAA-PIFSC	NOAA-PIFSC	N/A	4/4/14	y	n	Kevin Wong	808-983-3738
KIN 001	51171	CREIOS		Kingman Reef	6.393N	162.342W	-0.2	SBE-39	water temperature	60 min	NOAA-PIFSC	NOAA-PIFSC	NOAA-PIFSC	NOAA-PIFSC	N/A	4/2/04	y	n	Kevin Wong	808-983-3740
JOH 005	51170	CREIOS		Johnston Atoll	16.759N	169.5W	-0.2	SBE-39	water temperature	60 min	NOAA-PIFSC	NOAA-PIFSC	NOAA-PIFSC	NOAA-PIFSC	N/A	1/15/08	y	n	Kevin Wong	808-983-3741
WAK 002	52443	CREIOS		Wake Island	19.307N	166.622W	-0.3	SBE-39	water temperature	60 min	NOAA-PIFSC	NOAA-PIFSC	NOAA-PIFSC	NOAA-PIFSC	N/A	10/20/09	y	n	Kevin Wong	808-983-3742
LIS 001	51173	CREIOS		Litsianski Island, Hawaii	25.968 N	173.916 W	-0.2	SBE-39	water temperature	60 min	NOAA-PIFSC	NOAA-PIFSC	NOAA-PIFSC	NOAA-PIFSC	N/A	9/17/02	y	n	Kevin Wong	808-983-3743
PHR 001	51176	CREIOS		Pearl and Hermes Reef	27.837N	175.816W	-0.2	SBE-39	water temperature	60 min	NOAA-PIFSC	NOAA-PIFSC	NOAA-PIFSC	NOAA-PIFSC	N/A	9/28/08	y	n	Kevin Wong	808-983-3744
KUR 008	51172	CREIOS		Kure Atoll	28.418N	178.343W	-0.2	SBE-39	water temperature	60 min	NOAA-PIFSC	NOAA-PIFSC	NOAA-PIFSC	NOAA-PIFSC	N/A	6/30/08	y	n	Kevin Wong	808-983-3745
MAU 002	52444	CREIOS		Maug Island, CNMI	20.02908N	145.2319E	-1.3	SBE-38	water temperature	60 min	NOAA-PIFSC	NOAA-PIFSC	NOAA-PIFSC	NOAA-PIFSC	N/A	9/3/07	y	n	Kevin Wong	808-983-3746
PAG 001	52445	CREIOS		Pagan Island, CNMI	18.127N	145.757E	-0.3	SBE-39	water temperature	60 min	NOAA-PIFSC	NOAA-PIFSC	NOAA-PIFSC	NOAA-PIFSC	N/A	9/7/03	y	n	Kevin Wong	808-983-3747
ROT 002	52247	CREIOS		Rota Island, CNMI	14.128N	145.163W	-0.3	SBE-39	water temperature	60 min	NOAA-PIFSC	NOAA-PIFSC	NOAA-PIFSC	NOAA-PIFSC	N/A	9/29/05	y	n	Kevin Wong	808-983-3748
SAI 008	52446	CREIOS		Saipan, CNMI	15.172N	145.695E	-0.3	SBE-39	water temperature	60 min	NOAA-PIFSC	NOAA-PIFSC	NOAA-PIFSC	NOAA-PIFSC	N/A	4/7/11	y	n	Kevin Wong	808-983-3749
GUA 003	52248	CREIOS		Guam	13.529N	144.801E	-0.2	SBE-39	water temperature	60 min	NOAA-PIFSC	NOAA-PIFSC	NOAA-PIFSC	NOAA-PIFSC	N/A	10/4/05	y	n	Kevin Wong	808-983-3750
NDBC 51001	51001	NDBC Buoy		170 NM NW of Kauai, Hawaii	23.445N	162.279W			wind, wave, air and water temperature, barometric pressure, dew point	various (10 min, 60 min)	NOAA-NDBC	NOAA-NDBC	NOAA-NDBC	NOAA-NDBC			n	n		
NDBC 51002	51002	NDBC Buoy		215 NM SSW of Hilo, Hawaii	17.094N	157.808W	-5002		wind, wave, air and water temperature, barometric pressure, dew point	various (10 min, 60 min)	NOAA-NDBC	NOAA-NDBC	NOAA-NDBC	NOAA-NDBC			y	y		
NDBC 51003	51003	NDBC Buoy		205 NM SW of Honolulu, Hawaii	19.348 N	160.621 W	-4919		wind, wave, air and water temperature, barometric pressure, dew point	various (10 min, 60 min)	NOAA-NDBC	NOAA-NDBC	NOAA-NDBC	NOAA-NDBC			y	y		
NDBC 51004	51004	NDBC Buoy		185 NM SE of Hilo, Hawaii	17.525N	152.382W	-5082		wind, wave, air and water temperature, barometric pressure, dew point	various (10 min, 60 min)	NOAA-NDBC	NOAA-NDBC	NOAA-NDBC	NOAA-NDBC			y	y		
NDBC 51101	51101	NDBC Buoy		NW Hawaii	24.321N	162.058W	-4971		wind, wave, air and water temperature, barometric pressure, dew point	various (10 min, 60 min)	NOAA-NDBC	NOAA-NDBC	NOAA-NDBC	NOAA-NDBC			y	y		
NDBC 51000	51000	NDBC Buoy		Northern Hawaii	23.546N	154.056W	-4096		wind, wave, air and water temperature, barometric pressure, dew point	various (10 min, 60 min)	NOAA-NDBC	NOAA-NDBC	NOAA-NDBC	NOAA-NDBC			y	y		
NDBC 51100	51100	NDBC Buoy		Northern Hawaii	23.558N	153.900W	-4754		wind, wave, air and water temperature, barometric pressure, dew point	various (10 min, 60 min)	NOAA-NDBC	NOAA-NDBC	NOAA-NDBC	NOAA-NDBC			y	y		
UHSLC fren	GLOSS 107	Water Level		Tern Island, French Frigate Shoals	23.867N	166.283W	0	water level	5 min	UHSLC	UHSLC	UHSLC	UHSLC	UHSLC			y	y		
UHSLC calip	GLOSS 118	Water Level		Johnston Atoll	15.2266N	145.7416E	0	water level	15 min	UHSLC	UHSLC	Office of the Port Director	UHSLC	UHSLC			y	y		
UHSLC john	GLOSS 109	Water Level		Johnston Atoll	16.739N	169.5233W	0	water level	5 min	UHSLC	UHSLC	UHSLC	UHSLC	UHSLC			y	y		
UHSLC yap1	GLOSS 119	Water Level		Yap Island, FSM	9.5142N	138.1246E	0	water level	12 min	UHSLC	UHSLC	Office	UHSLC	UHSLC			y	y		
UHSLC mala	GLOSS 120	Water Level		Malakal, Palau	7.3282N	134.4502E	0	water level	12 min	UHSLC	UHSLC	UHSLC	UHSLC	UHSLC			y	y		
16010000	16010000	N/A	Stream Gauge	Kawaikoi Stream, Waimea, Kauai	22.1328056	-159.6199444	1042	discharge, gage height	15 min	USGS	USGS	USGS	USGS	USGS	Hawaii Commission on Water Resource Management		y	y	Steven Anthony	808-690-9600
16019000	16019000	N/A	Stream Gauge	Walaie Stream, Waimea, Kauai	22.0858333	-159.5690833	1164	discharge, gage height	15 min	USGS	USGS	USGS	USGS	USGS	N/A		y	y	Steven Anthony	808-690-9600

16060000	16060000	N/A	Stream Gauge	Wailua River (south fork), Lihue, Kauai	22.0366944	-159.3801667	73	discharge, gage height	15 min	USGS	USGS	USGS	USGS					Steven Anthony	808-690-9600
16068000	16068000	N/A	Stream Gauge	Wailua River (east branch of north fork), Lihue, Kauai	22.0687778	-159.4151667	152	discharge, gage height	15 min	USGS	USGS	USGS	USGS					Steven Anthony	808-690-9600
16071500	16071500	N/A	Stream Gauge	Opaekaa Stream, Kapaa, Kauai	22.0756111	-159.3958889	140	discharge, gage height	15 min	USGS	USGS	USGS	USGS					Steven Anthony	808-690-9600
16097500	16097500	N/A	Stream Gauge	Halaulani Stream, Kilaeua, Kauai	22.1786389	-159.418611	119	discharge, gage height	15 min	USGS	USGS	USGS	USGS					Steven Anthony	808-690-9600
16103000	16103000	N/A	Stream Gauge	Hanalei River, Hanalei, Kauai	22.1795833	-159.4663889	18	discharge, gage height	15 min	USGS	USGS	USGS	USGS					Steven Anthony	808-690-9600
16108000	16108000	N/A	Stream Gauge	Wainiha River, Hanalei, Kauai	22.1358889	-159.557861	293	discharge, gage height	15 min	USGS	USGS	USGS	USGS					Steven Anthony	808-690-9600
16200000	16200000	N/A	Stream Gauge	Kaukonahua Stream (north fork above right branch), Wahi	21.5162778	-157.9453056	351	discharge, gage height, turbidity	15 min	USGS	USGS	USGS	USGS	N/A	10/1/07	y	y	Steven Anthony	808-690-9600
16208000	16208000	N/A	Stream Gauge	Kaukonahua Stream (south fork at east pump), Wahiawa, (21.4888056	-157.9960556	262	discharge, gage height	15 min	USGS	USGS	USGS	USGS	N/A	10/1/07	y	y	Steven Anthony	808-690-9600
16211600	16211600	N/A	Stream Gauge	Makaha Stream, Makaha, Oahu	21.5015833	-158.1801667	286	discharge, gage height	15 min	USGS	USGS	USGS	USGS	Honolulu Board of Water Supply	10/1/07	y	y	Steven Anthony	808-690-9600
16212601	16212601	N/A	Stream Gauge	Wailele Stream, Wheeler Field, Oahu	21.4723056	-158.0444722	216	discharge, gage height	15 min	USGS	USGS	USGS	USGS					Steven Anthony	808-690-9600
16212800	16212800	N/A	Stream Gauge	Kipapa Stream, Wahiawa, Oahu	21.4671111	-157.9587778	210	discharge, gage height	15 min	USGS	USGS	USGS	USGS					Steven Anthony	808-690-9600
16213000	16213000	N/A	Stream Gauge	Wailele Stream, Waipahu, Oahu	21.3834722	-158.0109167	0	discharge, gage height	15 min	USGS	USGS	USGS	USGS					Steven Anthony	808-690-9600
16226200	16226200	N/A	Stream Gauge	North Halawa Stream, Honolulu, Oahu	21.382	-157.9033333	49	discharge, gage height	15 min	USGS	USGS	USGS	USGS					Steven Anthony	808-690-9600
16226400	16226400	N/A	Stream Gauge	North Halawa Stream, Halawa, Oahu	21.3718889	-157.9127222	18	discharge, gage height	15 min	USGS	USGS	USGS	USGS					Steven Anthony	808-690-9600
16229000	16229000	N/A	Stream Gauge	Kalihi Stream, Honolulu, Oahu	21.3633611	-157.8444444	142	discharge, gage height	15 min	USGS	USGS	USGS	USGS					Steven Anthony	808-690-9600
16240500	16240500	N/A	Stream Gauge	Waiakeakua Stream, Honolulu, Oahu	21.3282222	-157.799611	90	discharge, gage height	15 min	USGS	USGS	USGS	USGS					Steven Anthony	808-690-9600
16242500	16242500	N/A	Stream Gauge	Manoa Stream, Kanewai Field, Honolulu, Oahu	21.2932222	-157.8127222	12	discharge, gage height	15 min	USGS	USGS	USGS	USGS					Steven Anthony	808-690-9600
16247100	16247100	N/A	Stream Gauge	Manoa-Palolo Drainage Canal, Moiliili, Oahu	21.2865278	-157.8185556	2	discharge, gage height	15 min	USGS	USGS	USGS	USGS					Steven Anthony	808-690-9600
16247550	16247550	N/A	Stream Gauge	Waipu'e Gulch, Ana Haina, Oahu	21.2853333	-157.7540556	8	discharge, gage height	15 min	USGS	USGS	USGS	USGS					Steven Anthony	808-690-9600
16247900	16247900	N/A	Stream Gauge	Kuliouou Valley, Kuliouou, Oahu	21.2933611	-157.7232778	0	discharge, gage height	15 min	USGS	USGS	USGS	USGS					Steven Anthony	808-690-9600
16254000	16254000	N/A	Stream Gauge	Makaewao Stream, Kailua, Oahu	21.3595	-157.7621667	24	discharge, gage height	15 min	USGS	USGS	USGS	USGS					Steven Anthony	808-690-9600
16264600	16264600	N/A	Stream Gauge	Kawai Nui Marsh, Kailua, Oahu	21.3941667	-157.749361	3	discharge, gage height	15 min	USGS	USGS	USGS	USGS					Steven Anthony	808-690-9600
16294100	16294100	N/A	Stream Gauge	Waiahole Stream, Kamehameha Highway, Waikane, Oahu	21.4820278	-157.8458889	4	discharge, gage height	15 min	USGS	USGS	USGS	USGS					Steven Anthony	808-690-9600
16294900	16294900	N/A	Stream Gauge	Waikane Stream, Waikane, Oahu	21.4970833	-157.8629722	23	discharge, gage height	15 min	USGS	USGS	USGS	USGS					Steven Anthony	808-690-9600
16296500	16296500	N/A	Stream Gauge	Kahana Stream, Kahana, Oahu	21.5406111	-157.8825556	9	discharge, gage height	15 min	USGS	USGS	USGS	USGS					Steven Anthony	808-690-9600
16303000	16303000	N/A	Stream Gauge	Punaluu Stream, Punaluu, Oahu	21.5563889	-157.8988889	65	discharge, gage height	15 min	USGS	USGS	USGS	USGS					Steven Anthony	808-690-9600
16330000	16330000	N/A	Stream Gauge	Kamananui Stream, Waimea, Oahu	21.6354722	-158.0545833	3	discharge, gage height	15 min	USGS	USGS	USGS	USGS					Steven Anthony	808-690-9600
16345000	16345000	N/A	Stream Gauge	Opaeha Stream, Wahiawa, Oahu	21.5623333	-158.00025	61	discharge, gage height	15 min	USGS	USGS	USGS	USGS					Steven Anthony	808-690-9600
16400000	16400000	N/A	Stream Gauge	Halawa Stream, Halawa, Molokai	21.1555	-156.7619722	64	discharge, gage height	15 min	USGS	USGS	USGS	USGS					Steven Anthony	808-690-9600
16414200	16414200	N/A	Stream Gauge	Kaunakakai Gulch, Kaunakakai, Molokai	21.0965278	-157.017861	23	discharge, gage height	15 min	USGS	USGS	USGS	USGS					Steven Anthony	808-690-9600
16415600	16415600	N/A	Stream Gauge	Kawela Gulch, Moku, Molokai	21.0699722	-156.9483333	12	discharge, gage height	15 min	USGS	USGS	USGS	USGS					Steven Anthony	808-690-9600
16501200	16501200	N/A	Stream Gauge	Oheo Gulch, Kipahulu, Maui	20.6683611	-156.0522222	128	discharge, gage height	15 min	USGS	USGS	USGS	USGS					Steven Anthony	808-690-9600
16508000	16508000	N/A	Stream Gauge	Hanawi Stream, Nahiku, Maui	20.8068611	-156.1142222	402	discharge, gage height	15 min	USGS	USGS	USGS	USGS					Steven Anthony	808-690-9600
16518000	16518000	N/A	Stream Gauge	West Wailuaki Stream, Keanae, Maui	20.8176944	-156.1410278	409	discharge, gage height	15 min	USGS	USGS	USGS	USGS					Steven Anthony	808-690-9600
16521300	16521300	N/A	Stream Gauge	Waiokamilo Stream, Keanae, Maui	20.8411944	-156.1428889	128	discharge, gage height	15 min	USGS	USGS	USGS	USGS					Steven Anthony	808-690-9600
16552800	16552800	N/A	Stream Gauge	Waikamoi Stream, Kula Place, Olinda, Maui	20.8053889	-156.2312222	1368	discharge, gage height	15 min	USGS	USGS	USGS	USGS					Steven Anthony	808-690-9600
16587000	16587000	N/A	Stream Gauge	Honopou Stream, Huelo, Maui	20.8856389	-156.2525556	368	discharge, gage height	15 min	USGS	USGS	USGS	USGS					Steven Anthony	808-690-9600
16595200	16595200	N/A	Stream Gauge	Honopou Stream, Huelo, Maui	20.9295	-156.2448056	37	discharge, gage height	15 min	USGS	USGS	USGS	USGS					Steven Anthony	808-690-9600
16604500	16604500	N/A	Stream Gauge	Iao Stream, Kepaniwai Park, Wailuku, Maui	20.8823889	-156.5392778	238	discharge, gage height	15 min	USGS	USGS	USGS	USGS					Steven Anthony	808-690-9600
16614000	16614000	N/A	Stream Gauge	Waihee River, Waihee, Maui	20.9358611	-156.5468333	184	discharge, gage height	15 min	USGS	USGS	USGS	USGS					Steven Anthony	808-690-9600
16618000	16618000	N/A	Stream Gauge	Kahakuloa Stream, Honokohau, Maui	20.9786944	-156.554545	101	discharge, gage height	15 min	USGS	USGS	USGS	USGS					Steven Anthony	808-690-9600
16620000	16620000	N/A	Stream Gauge	Honokohau Stream, Honokohau, Maui	20.9620833	-156.5884722	265	discharge, gage height	15 min	USGS	USGS	USGS	USGS					Steven Anthony	808-690-9600
16700600	16700600	N/A	Stream Gauge	Waiakea Stream, Hoaka Road, Hilo, Hawaii (Big Island)	19.6611111	-155.1222222	262	discharge, gage height	15 min	USGS	USGS	USGS	USGS					Steven Anthony	808-690-9600
16704000	16704000	N/A	Stream Gauge	Wailuku River, Pihonua, Hawaii (Big Island)	19.7121389	-155.15075	332	discharge, gage height	15 min	USGS	USGS	USGS	USGS	Hawaii Commission on Water Resource Management		y	y	Steven Anthony	808-690-9600
16717000	16717000	N/A	Stream Gauge	Honolii Stream, Papaikou, Hawaii (Big Island)	19.7643333	-155.1518333	469	discharge, gage height	15 min	USGS	USGS	USGS	USGS	Hawaii Commission on Water Resource Management		y	y	Steven Anthony	808-690-9600
16720000	16720000	N/A	Stream Gauge	Kawai Nui Stream, Kamuela, Hawaii (Big Island)	20.0853333	-155.6811667	1237	discharge, gage height	15 min	USGS	USGS	USGS	USGS	Hawaii Commission on Water Resource Management		y	y	Steven Anthony	808-690-9600
16725000	16725000	N/A	Stream Gauge	Alakahi Stream, Kamuela, Hawaii (Big Island)	20.0710833	-155.67075	1189	discharge, gage height	15 min	USGS	USGS	USGS	USGS	Hawaii Commission on Water Resource Management		y	y	Steven Anthony	808-690-9600
16756100	16756100	N/A	Stream Gauge	Kohakohau Stream, Kamuela, Hawaii (Big Island)	20.0496667	-155.6897778	1058	discharge	15 min	USGS	USGS	USGS	USGS	N/A	10/1/07	12/4/11	n	Steven Anthony	808-690-9600
16758000	16758000	N/A	Stream Gauge	Waikoloa Stream, Kamuela, Hawaii (Big Island)	20.0436389	-155.6639722	1055	discharge	15 min	USGS	USGS	USGS	USGS	NA	10/1/07	12/6/11	n	Steven Anthony	808-690-9600

16770500	16770500	N/A	Stream Gauge	Paauu Gulch, Pahala, Hawaii (Big Island)	19.2077778	-155.4770833	296	discharge, gage height	15 min	USGS	USGS	USGS	USGS	Hawaii Commission on Water Resource Management					Steven Anthony	808-690-9600
16849000	16849000	N/A	Stream Gauge	Fena Dam Spillway near Agat, Guam	13°21'33.7"	-144°42'20.7"	0	gage height	15 min	USGS	USGS	USGS	USGS	U.S. Naval Forces Marianas	10/1/51	y	y	Steven Anthony	808-690-9600	
194117155174801	194117155174801	N/A	Rainfall Gauge	Saddle Road, Hilo, Hawaii (Big Island)	19.6858611	-155.2942222	1286	precipitation, in.	15 min	USGS	USGS	USGS	USGS					Steven Anthony	808-690-9600	
194945155534402	194945155534402	N/A	Rainfall Gauge	Kiholo, Hawaii (Big Island)	19.8258056	-155.8925833	284	precipitation, in.	15 min	USGS	USGS	USGS	USGS					Steven Anthony	808-690-9600	
200518155405801	200518155405801	N/A	Rainfall Gauge	Kawai Nui Stream, Kamuela, Hawaii (Big Island)	20.0853333	-155.6811667	1237	precipitation, in.	15 min	USGS	USGS	USGS	USGS					Steven Anthony	808-690-9600	
203721156151601	203721156151601	N/A	Rainfall Gauge	Kepuni Gulch, Maui	20.6195	-156.2518889	226	precipitation, in.	15 min	USGS	USGS	USGS	USGS					Steven Anthony	808-690-9600	
204017156031701	204017156031701	N/A	Rainfall Gauge	Oheo Gulch, Kipahulu, Maui	20.6683611	-156.0522222	128	precipitation, in.	15 min	USGS	USGS	USGS	USGS					Steven Anthony	808-690-9600	
204916156083701	204916156083701	N/A	Rainfall Gauge	West Wailua Iki, Keanae, Maui	20.8176944	-156.1410278	409	precipitation, in.	15 min	USGS	USGS	USGS	USGS					Steven Anthony	808-690-9600	
205327156351102	205327156351102	N/A	Rainfall Gauge	Puu Kukui, Maui	20.8908333	-156.5863889	1759	precipitation, in.	15 min	USGS	USGS	USGS	USGS					Steven Anthony	808-690-9600	
211722157485602	211722157485602	N/A	Rainfall Gauge	Kapiolani Avenue, Oahu	21.2894444	-157.8155556	6	precipitation, in.	15 min	USGS	USGS	USGS	USGS					Steven Anthony	808-690-9600	
211747157485601	211747157485601	N/A	Rainfall Gauge	Kanewai Field, Manoa, Honolulu, Oahu	21.2932222	-157.8127222	12	precipitation, in.	15 min	USGS	USGS	USGS	USGS					Steven Anthony	808-690-9600	
212359157502601	212359157502601	N/A	Rainfall Gauge	Moanalua, Oahu	21.3933889	-157.8401111	305	precipitation, in.	15 min	USGS	USGS	USGS	USGS					Steven Anthony	808-690-9600	
212428157511201	212428157511201	N/A	Rainfall Gauge	North Halawa Valley, Oahu	21.4048889	-157.8504444	335	precipitation, in.	15 min	USGS	USGS	USGS	USGS					Steven Anthony	808-690-9600	
212855157504501	212855157504501	N/A	Rainfall Gauge	Kamehameha Highway, Waihole, Oahu	21.4819722	-157.8458333	4	precipitation, in.	15 min	USGS	USGS	USGS	USGS					Steven Anthony	808-690-9600	
212932157595401	212932157595401	N/A	Rainfall Gauge	Kaukonahua Stream, Wahiawa, Oahu	21.4888056	-157.9960556	262	precipitation, in.	15 min	USGS	USGS	USGS	USGS					Steven Anthony	808-690-9600	
213016158105901	213016158105901	N/A	Rainfall Gauge	Makaha, Oahu	21.5015833	-158.1801667	286	precipitation, in.	15 min	USGS	USGS	USGS	USGS					Steven Anthony	808-690-9600	
213215157552800	213215157552800	N/A	Rainfall Gauge	Poamoho Stream, Wahiawa, Oahu	21.5338611	-157.9213889	756	precipitation, in.	15 min	USGS	USGS	USGS	USGS					Steven Anthony	808-690-9600	
213335157540601	213335157540601	N/A	Rainfall Gauge	Punaluu, Oahu	21.5564444	-157.899	73	precipitation, in.	15 min	USGS	USGS	USGS	USGS					Steven Anthony	808-690-9600	
213608158011101	213608158011101	N/A	Rainfall Gauge	Pupukea Road, Oahu	21.5990278	-158.0169167	354	precipitation, in.	15 min	USGS	USGS	USGS	USGS					Steven Anthony	808-690-9600	
213732158010201	213732158010201	N/A	Rainfall Gauge	Kamananui, Oahu	21.6223889	-158.0143056	219	precipitation, in.	15 min	USGS	USGS	USGS	USGS					Steven Anthony	808-690-9600	
220427159300201	220427159300201	N/A	Rainfall Gauge	Mount Waialeale, Lihue, Kauai	22.0708889	-159.4979722	1570	precipitation, in.	15 min	USGS	USGS	USGS	USGS					Steven Anthony	808-690-9600	
220523159341201	220523159341201	N/A	Rainfall Gauge	Waialae, Waimea, Kauai	22.087	-159.5664167	1219	precipitation, in.	15 min	USGS	USGS	USGS	USGS					Steven Anthony	808-690-9600	
220713159361201	220713159361201	N/A	Rainfall Gauge	Mohihi Crossing, Waimea, Kauai	22.1170833	-159.6009722	1042	precipitation, in.	15 min	USGS	USGS	USGS	USGS					Steven Anthony	808-690-9600	
220927159355001	220927159355001	N/A	Rainfall Gauge	Kilohana, Hanalei, Kauai	22.1540833	-159.5946111	1219	precipitation, in.	15 min	USGS	USGS	USGS	USGS					Steven Anthony	808-690-9600	
221101159280801	221101159280801	N/A	Rainfall Gauge	Hanalei, Kauai	22.1795833	-159.4663889	18	precipitation, in.	15 min	USGS	USGS	USGS	USGS					Steven Anthony	808-690-9600	
132128144421201	132128144421201	N/A	Rainfall Gauge	Fena Dam Rain Gage at spillway near Agat, Guam	13°21'33.7"	-144°42'20.7"	0	precipitation, in.	15 min	USGS	USGS	USGS	USGS	U.S. Naval Forces Marianas					Steven Anthony	808-690-9600
132234144441966	132234144441966	N/A	Rainfall Gauge	Windward Hills Rain Gauge near Talofofo, Guam	13°22'37.8"	-144°44'16.1"	111	precipitation, in.	15 min	USGS	USGS	USGS	USGS	WERI, UOG					Steven Anthony	808-690-9601