

Kaloko Fishpond Water Quality Sampling

Date: 9/21/2011 Start time: 10:30am

End time: 1:00pm Ocean Tide height: _____ Rising/Flood

Personnel: _____ D. Gross, M. Hayes

Water Quality Parameters recorded with _____ YSI 6600

UTM coordinates			Water Quality Parameters										
POINT_ID	X	Y	Pond depth (m)	sonde depth (m)	Temp	Conductivity (mS/cm3)	Salinity (ppt)	pH	Turbidity (NTU)	Chlorophyll a (ug/L)	D.O. Sat	(% D.O. (mg/L)	Pressure (mm Hg)
F17	181960	2179940	surface	0.00	25.35	25.24	15.36	8.11	0.20	14.80	141.40	10.67	762.50
			mid	0.85	25.19	26.04	15.90	8.25	1.20	34.20	163.00	12.29	762.50
			bottom	1.80	24.80	26.36	16.13	8.16	25.40	40.60	157.40	11.98	762.50
G6	181980	2179720	surface	0.00	25.96	29.97	18.85	8.19	0.30	5.80	132.80	9.69	762.30
			mid										
			bottom										
G18	181980	2179960	surface	0.00	22.72	22.70	13.66	7.40	-1.20	2.70	90.50	7.20	762.60
			mid	0.45	23.82	23.26	14.11	7.66	-0.60	4.00	92.60	7.30	762.60
			bottom	0.80	20.92	23.59	14.30	7.35	1.00	7.10	82.80	6.81	762.60
Q3	182180	2179660	surface	0.00	19.94	22.02	13.23	7.32	-1.40	1.80	81.20	6.85	761.90
			mid										
			bottom	0.50	19.24	26.85	16.45	7.46	-3.10	0.00	109.30	9.15	761.90
O6	182140	2179720	surface	0.00	22.28	20.40	12.11	7.63	-1.10	1.50	110.50	8.83	762.20
			mid	0.55	26.25	35.85	22.45	8.28	2.60	17.90	186.50	13.61	762.20
			bottom	1.10	28.40	37.12	23.45	8.34	-3.90	0.60	95.00	6.48	762.30
M6	182100	2179720	surface	0.00	22.20	22.80	13.70	7.61	-1.20	3.10	101.50	8.60	762.40
			mid	0.60	24.18	27.54	17.16	8.00	1.40	10.00	132.50	10.12	762.40
			bottom	1.10	28.42	37.38	23.58	8.32	1.60	31.90	182.10	12.39	762.40
Spring	181993	2179955	surface										
			mid										
			bottom										
Q3A	182181	2179651	surface										
			mid										
			bottom										
J10	182040	2179800	surface	0.00	25.67	28.60	17.61	8.31	0.70	33.00	158.50	11.72	762.70
			mid	1.50	28.19	37.48	23.66	8.25	1.60	51.50	151.30	10.30	762.70
			bottom	2.90	27.35	38.96	24.74	8.22	0.90	16.90	147.10	101.50	762.70

Note:

UTM coordinates (X, Y) and Location points (POINT_ID) data from shapefiles located in

T:\GIS\KAHO\Natural_Resources\Projects\Water_Quality\Kaloko_Fishpond_WQ_2011\

kaloko_sampling_stations2011

kaloko_sampling_stations2011.shp created by merging the following Nutrient Flux project shapefiles located in:

T:\Gis_Data_&Shapefiles\Natural_Resources\Nutrient_Flux_Project_2004-05\

Kaloko_Sampling_Stations_12-14-04.shp

Kaloko_sampling_station_J10_1.shp

POINT_ID	X	Y	ALGAE	DEPTH__M__	DEPTH__FT__	CONCENTRAT	SUBSTRATE	BOTTOM_TYP
F17	181960	2179940	?	-2.07	-6.8			silty
G6	181980	2179720	no	0	0			slag area
G18	181980	2179960	no	-0.95	-3.1	none	none	very silty
Q3	182180	2179660	no	-0.15	-0.5	none	none	thick silt on a'a rocks
O6	182140	2179720	no	-1.13	-3.7	none	none	silt
M6	182100	2179720	yes	-0.8	-2.62	concentrated	rocks, oysters,	
Spring	181993	2179955	no	0	0			
Q3A	182181	2179651		0	0			
J10	182040	2179800	yes	-2.5	-8.2	patchy	rocks	silt

NOTES

South of Q3 on other side of wall
silt on big rock