	WETLAND CONDITION CODES WATERBIRD SURVEY	DATASHEET	WEATHER CODES		
Water Level (WL)	Human Impact (HI)	Rainfall (RF)	Wind		
0 <b>-</b> dry	0 = Indirect (little garbage, few people)	0 - no rain	0 = no wind, < 1 mph		
1 - lower than normal	1 = moderate	1 - mist or fog	1 = smoke drifts, 1-3 mph		
2= normal	2 - heavy (many people present;	2 - drizzle	2 - wind felt on face, 4-7 mph		
3 - higher than normal	e.g., wading, boating, fishing, etc)	3 - light rain	3 = leaves and twigs rustle, 8-12 mph		
Vegetation Cover (VC)	Shoreline Condition of Tidal Wetlands (SC)	4 - heavy rain	4 = dust raises, branches stir, 13-18 mph		
0 - open water (<25% veg)	0 - water at high tide mark N/A-not applicable	5 - snow or hall	5 = small trees sway, >19 mph		
1 = 26-50% veg cover	1 - water 25 ft from high tide mark				
2 = 51-75% veg cover	2 - water 50 ft from high tide mark	Cloud Cover (CC) = Estimate to the nearest 10%			
3 -> 75% cover	3 - water >50 ft from high tide mark				

REMINDERS: If site it not accessible, include wetland name and write 'no access'

Observers:

3/27/2024

If no birds observed, fill out top portion and write 'no birds'

**KEEP A COPY FOR YOUR RECORDS** 

Island: O'ahu Subadult includes juveniles and chicks

Wetland Name	US DC		DS 1 DS 2			3 2 ES 1					ES 2													
	WL	VC	НІ	SC	WL	VC	HI	SC	WL	VC	н	SC	WL	VC	НІ	SC	WL	VC	НІ	SC	WL	VC	НІ	SC
Condition	2	0	0	NA	2	0	0	NA	2	0	0	NA	2	1	0	NA	2	0	0	1	2	0	0	1
Weather	CC	RF	Wind		CC	RF	Wind		СС	RF	Wind		CC	RF	Wind		CC	RF	Wind		CC	RF	Wind	
weather	100%	1	1		50%	0	2		70%	0	2		70%	0	2		100%	2	3		80%	0	2	
Time	Sta		Sto	ор	Sta	art		ор	Sta	art	St	ор	Sta		St	ор	Sta			ор	Sta		Sto	ор
	94	16	95	51	95	57	10	002	92	24	92	29	91	18	92	23	90	8(	9	13	10	17	10	22
COOT adult																								
subadult																								
GALLINULE/MOORHE N adult																								
subadult																								
STILT adult																								
subadult																								
KOLOA adult																								
subadult																								
Koloa/Mallard Hybrid													1 loa	ifing,	6 fora	ging								
Mallard																								
(domestic/feral) Other Domestic																								
<u>Duck</u> Black-cr. Night																								
Heron																								
Cattle Egret																								
Pacific Golden Plover						1 for	aging			1 for	aging													
Ruddy Turnstone																								
Sanderling																								
Wandering Tattler																								
Northern Pintail																								
Mallard																								
(migratorv) Lesser scaup																								
Comments																								
Comments																					_		20-	-
																					l K	ev. Al	ıg 201	1

Observer/s:									
Date: 3/27/2024 Site	e Name:	Upstream Site		Time: 946					
WEATHER CONDITIONS									
NOW	Past 2	24 Hrs		Has there been a heavy rain					
Storm (heavy rain)		Storm (heavy rain)		in the past 7 days No					
Rain (steady rain)		Rain (steady rain)							
✓ Showers (intermittent)		Showers (intermittent)		Wind Speed: 1-3 mph					
☐ Clear/sunny		Clear/sunny		Air Temp: 75 °F					
100% Cloud Cover	50%	Cloud Cover							
WATER QUALITY									
Observed Turbidity/Sedimentat	ion:	V	Nate	er level:					
On bottom.				dry					
Water Color: Clear.			$\checkmark$	wet					
Estimated Depth: < 1"				standing water					
Visibility: To bottom.			<b>✓</b>	flowing water					
Tide (if applicable): N/A				sheen visible					
Notes:									
SPECIES OBSERVATIONS									
Fish Kill? No #Dead Fis	h: 0								
Fish Breathing Stress/Gulping?	No								
Fish Abnormal Behavior? No									
Notes:									
Species Observed #	of indiv	Behavior		Notes/Observations					

#### **PHOTOGRAPHS**



Photograph #1: Upstream Site looking upstream.



Photograph #2: Upstream Site looking downstream.

Observer/s:	I								
Date: 3/27/2024 Site	Time: 957								
WEATHER CONDITIONS									
NOW	Past 24 Hrs	Has there been a heavy rain							
Storm (heavy rain)	Storm (heavy rain)	in the past 7 days No							
Rain (steady rain)	Rain (steady rain)								
Showers (intermittent)	Showers (intermitten								
Clear/sunny	☐ Clear/sunny	Air Temp: 75 °F							
50% Cloud Cover	50% Cloud Cover								
WATER QUALITY  Observed Turbidity/Sedimentation On bottom.	on:	Water level:  dry							
Water Color: Clear.		✓ wet							
Estimated Depth: ~ 2-3"		standing water							
Visibility: To bottom.		✓ flowing water							
Tide (if applicable): N/A		sheen visible							
Notes:									
SPECIES OBSERVATIONS									
Fish Kill? No #Dead Fish	: 0								
Fish Breathing Stress/Gulping?	No								
Fish Abnormal Behavior? No									
Notes:									
·	f indiv Behavior	Notes/Observations							
Pacific golden plover	1 Foraging	In streambed.							

#### **PHOTOGRAPHS**



Photograph #1: Discharge Site looking upstream.



Photograph #2: Discharge Site looking downstream.

Wattle present but not reaching channel edges.

Observer/s:			
Date: 3/27/2024 Si	te Name:	Time: 924	
WEATHER CONDITIONS			
NOW Storm (heavy rain) Rain (steady rain)		24 Hrs Storm (heavy rain) Rain (steady rain)	Has there been a heavy rain in the past 7 days No
Showers (intermittent) Clear/sunny 70% Cloud Cover		Showers (intermittent) Clear/sunny Cloud Cover	Wind Speed: 4-7 mph Air Temp: 75 °F
WATER QUALITY			
Observed Turbidity/Sedimenta On bottom.  Water Color: Clear. Estimated Depth: ~ 3-5" Visibility: To bottom. Tide (if applicable): N/A  Notes:	ation:	Wa	standing water
SPECIES OBSERVATIONS			
Fish Kill? No #Dead F	ish: 0		
Fish Breathing Stress/Gulping?	No		
Fish Abnormal Behavior? N	o		
Notes:			
Species Observed #	f of indiv	Behavior	Notes/Observations
unknown fish species	500	Foraging	In streambed.
Pacific golden plover	1	Foraging	In streambed.

### **PHOTOGRAPHS**



Photograph: Downstream Site #1 looking upstream.

Observer/s:									
Date: 3/27/2024 Site Name: Downstream Site #2 Time: 918									
WEATHER CONDITIONS									
NOW	Past 2	24 Hrs	Has there been a heavy rain						
Storm (heavy rain)		Storm (heavy rain)	in the past 7 days No						
Rain (steady rain)		Rain (steady rain)							
☑ Showers (intermittent)		Showers (intermittent)	Wind Speed: 4-7 mph						
Clear/sunny		Clear/sunny	Air Temp: 75 °F						
70% Cloud Cover	50%	Cloud Cover							
WATER QUALITY  Observed Turbidity/Sedimen	tation:		Water level:						
Throughout stream wa			dry						
Water Color: Clear.			wet						
Estimated Depth: > 5' in	deep porti	on of channel.	standing water						
Visibility: ~ 1' in deep portion			✓ flowing water						
Tide (if applicable): N/A			sheen visible						
Notes:									
SPECIES OBSERVATIONS									
Fish Kill? No #Dead	l Fish: 0								
Fish Breathing Stress/Gulping	g? No								
Fish Abnormal Behavior? No									
Notes:									
Species Observed	# of indiv	Behavior	Notes/Observations						
unknown fish species	200	Foraging	In streambed.						
koloa/mallard hybrid	koloa/mallard hybrid 1 Loafing In streambed.								
koloa/mallard hybrid	6	Foraging	In streambed.						

### **PHOTOGRAPHS**



Photograph: Downstream Site #2 looking downstream.

Observer/s:								
Date: 3/27/2024 Site	e Name:	Time: 908						
WEATHER CONDITIONS								
NOW Storm (heavy rain) Rain (steady rain)	Past 2	24 Hrs Storm (heavy rain) Rain (steady rain)	Has there been a heavy rain in the past 7 days No					
Showers (intermittent) Clear/sunny 100% Cloud Cover	50%	Showers (intermittent) Clear/sunny Cloud Cover	Wind Speed: 8-12 mph Air Temp: 75 °F					
WATER QUALITY								
Observed Turbidity/Sedimentat Throughout water column Water Color: Green. Estimated Depth: > 5' Visibility: ~ 1.5' Tide (if applicable): .21' Fallin	ı.	Wa C	standing water					
Notes:								
SPECIES OBSERVATIONS								
Fish Kill? No #Dead Fish	h: 0							
Fish Breathing Stress/Gulping?	No							
Fish Abnormal Behavior? No								
Notes:								
Species Observed #	of indiv	Behavior	Notes/Observations					
unknown fish species	4	Foraging	In streambed.					
i								

### **PHOTOGRAPHS**



Photograph: Estuary Site #1 looking upstream.

Observer/s:								
Date: 3/27/2024 Site N	Time: 1017							
WEATHER CONDITIONS								
NOW  Storm (heavy rain)	Past 24 Hrs  Storm (heavy rain)	Has there been a heavy rain in the past 7 days No						
Rain (steady rain)	Rain (steady rain)	in the past 7 days 140						
Showers (intermittent)	Showers (intermittent)	Wind Speed: 4-7 mph						
☐ Clear/sunny	☐ Clear/sunny	Air Temp: 75 °F						
80% Cloud Cover	50% Cloud Cover							
WATER QUALITY								
Observed Turbidity/Sedimentation	n: Wate	er level:						
Throughout water column.  Water Color: Greenish brown.		dry wet						
Estimated Depth: > 5'		standing water						
Visibility: ~ 1'		flowing water						
Tide (if applicable): .01' Falling		sheen visible						
Notes:								
SPECIES OBSERVATIONS								
Fish Kill? No #Dead Fish:	0							
Fish Breathing Stress/Gulping?	No							
Fish Abnormal Behavior? No								
Notes:								
Species Observed # of	indiv Behavior	Notes/Observations						
unknown fish species	1 Foraging	In streambed.						
zebra dove	1 Transitioning	Flew out.						

#### **PHOTOGRAPHS**



Photograph #1: Estuary Site #2 looking upstream.



Photograph #2: Estuary Site #2 looking downstream.