Observer/s:				
Date: <u>01/06/2025</u> Site	e Name: <u>Upstream Site</u>	Time: <u>0826</u>		
WEATHER CONDITIONS				
NOW	Past 24 Hours	Has there been a heavy rain in the past 7 days?		
☐ storm (heavy rain)	\square storm (heavy rain)	☐ yes ⊠ no		
\square rain (steady rain)	\square rain (steady rain)			
☐ showers (intermittent)	\square showers (intermittent)			
30 % cloud cover	30 % cloud cover or less			
⊠ clear/sunny	□ clear/sunny			
Observed Turbidity/Sedimentation: Water Color: N/A Estimated Depth: N/A Visibility: N/A Tide (if applicable): N/A		□ sheen visible		
Notes: Fallen tree still in streambed. No water				
Fish Breathing Stress/Gulping $\ oxtimes$ N	d Fish <u>0</u> one			

			•
Species	# of	Behavior	Notes/Observations
Observed	individuals		
Jungle Fowl	1	Loafing	Calling from the vegetation above the stream.
White-rumped	1	Loafing	Calling from the vegetation above the stream.
shama			
Warbling	4	Foraging	Foraging in the trees above the stream.
white-eye			
Rose-ring	3	Flying	Flying above the stream.
parakeet			
Bush warbler	1	Loafing	Calling from the vegetation above the stream.
Cat	1	Loafing	Calling from the vegetation above the stream.

PHOTOGRAPHS



Photograph #

Upstream Site looking upstream.



Photograph # 2:

Upstream Site looking downstream.

Observer/s:				
Date: <u>01/06/2025</u> Sit	e Name:	Discharge Site	Time: <u>0806</u>	
WEATHER CONDITIONS				
NOW	Past 24 Ho	ours	Has there been a heavy rain in the past 7 days?	
☐ storm (heavy rain)	☐ storm	(heavy rain)	☐ yes ☒ no	
☐ rain (steady rain)	☐ rain (s	teady rain)		
☐ showers (intermittent)	☐ showe	rs (intermittent)		
30_% cloud cover	<u>30</u> % clou	d cover or less		
⊠ clear/sunny	☐ clear/s	unny		
WATER QUALITY Water level □ dry ☑ wet □ Observed Turbidity/Sedimentation Water Color: clear Estimated Depth: <1" Visibility: 100% to the bottom Tide (if applicable): N/A	•	ater $oxtimes$ flowing water $oxtime$ iment at the bottom of $oxtimes$		
Notes: Lots of leaf debris, trash. No active discharge				
Fish Breathing Stress/Gulping ⊠ N	d Fish <u>0</u> Ione □ Yes Ione □ Yes			

Species	# of	Behavior	Notes/Observations
Observed	individuals		
Common Myna	2	Foraging	Foraging in the streambed.
White-rumped	1	Loafing	Calling from the vegetation
shama			
Red-Vented	2	Loafing	Calling from vegetation
Bubul			
Pacific Golden	1	Foraging	Foraging in the streambed
Plover			
Rose-ringed	5	Flying	Flying above streambed
Parakeet			
Red-Crested	1	Loafing	Calling from the vegetation
Cardinal			

PHOTOGRAPHS



Photograph # 1:

Discharge Site looking upstream.



Photograph # 2:

Discharge Site looking downstream.

Observer/s:				
Date: <u>01-06-25</u> Site	e Name:	Downstream Site 1	Time: <u>0853</u>	
WEATHER CONDITIONS				
NOW	Past 24 Hou	ırs	Has there been a heavy rain in the past 7 days?	
☐ storm (heavy rain)	☐ storm (l	neavy rain)	☐ yes ⊠ no	
\square rain (steady rain)	☐ rain (ste	ady rain)		
☐ showers (intermittent)	\square showers	s (intermittent)		
30_% cloud cover	<u>30</u> % cloud	cover or less		
⊠ clear/sunny	⊠ clear/su	nny		
Observed Turbidity/Sedimentation Water Color: Clear Estimated Depth: 1-2" Visibility: Clear Tide (if applicable): N/A	: clear, sedim			
Notes: Sediment buildup, bacteria growth (sheen visible), algae growth.				
Fish Breathing Stress/Gulping ⊠ N	d Fish <u>0</u> lone Yes one Yes			

Species	# of	Behavior	Notes/Observations
Observed	individuals		
Pacific golden	1	Foraging	Foraging in the streambed.
plover			
Zebra dove	1	Foraging	Foraging in the streambed.
Zebra dove	1	Flying	Flying above the streambed.
Common Myna	3	Flying	Flying above the streambed
Mallard hybrid	2	Foraging	Foraging in the streambed

PHOTOGRAPHS



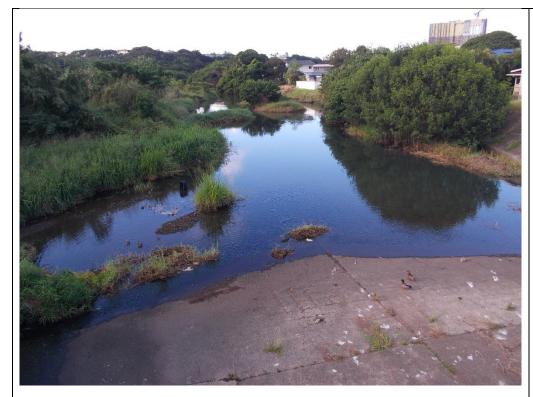
Photograph # 1:

Downstream Site 1 looking upstream.

Observer/s:					
Date: <u>01-06-25</u> Sit	te Name:	Downstream Site 2		Time: _	0905
WEATHER CONDITIONS					
NOW	Past 24 H	ours	Has there bee the past 7 day	•	rain in
☐ storm (heavy rain)	☐ storm	(heavy rain)	☐ yes ⊠ no		
☐ rain (steady rain)	☐ rain (s	teady rain)			
☐ showers (intermittent)	☐ showe	ers (intermittent)			
20_% cloud cover	<u>30</u> % clou	ud cover or less			
⊠ clear/sunny	⊠ clear/s	sunny			
Observed Turbidity/Sedimentation Water Color: light green Estimated Depth: 2-4' Visibility: 1-2' Tide (if applicable): 1.5'	n: Clear, sed		☐ sheen visible		
Notes: Light foam line forming on left side of stream.					
Fish Breathing Stress/Gulping $\ oxtimes$	d Fish <u>0</u> None □ Ye None □ Ye				

Species	# of	Behavior	Notes/Observations
Observed	individuals		
Common mallard	4	Foraging	Foraging in the streambed.
Black-crowned Night Heron	1	Foraging	Foraging in the streambed.
Pacific Golden Plover	1	Foraging	Foraging in the streambed
Zebra dove	3	Foraging	Foraging in the streambed
Spotted dove	2	Flying	Flying above the streambed

PHOTOGRAPHS



Photograph # 1:

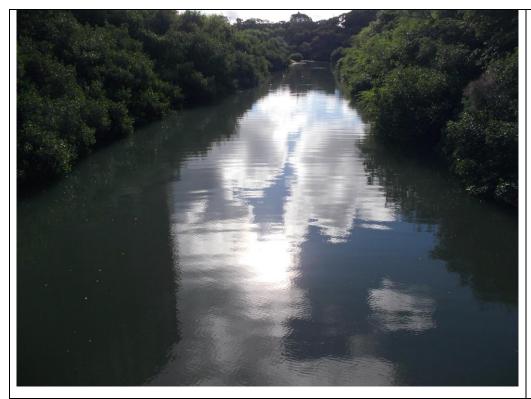
Downstream Site 2 looking downstream.

Observer/s:		_		
Date: <u>01-06-25</u> Site	e Name: <u>Estuary Site 1</u>	Time: <u>0932</u>		
WEATHER CONDITIONS				
NOW	Past 24 Hours	Has there been a heavy rain in the past 7 days?		
☐ storm (heavy rain)	☐ storm (heavy rain)	☐ yes ⊠ no		
☐ rain (steady rain)	☐ rain (steady rain)			
☐ showers (intermittent)	☐ showers (intermittent)			
20% cloud cover	30 % cloud cover or less			
⊠ clear/sunny	⊠ clear/sunny			
WATER QUALITY Water level □ dry □ wet □ standing water ⊠ flowing water □ sheen visible Observed Turbidity/Sedimentation: Cloudy, lighter sediment mixed in water. Water Color: green Estimated Depth: 5-6' Visibility: 2-3' Tide (if applicable): ~0.6'				
Notes: None				
SPECIES OBSERVATIONS Fish Kill? ☐ Yes ☒ No # Dead Fish N/A Fish Breathing Stress/Gulping ☒ None ☐ Yes Fish Abnormal Behavior ☒ None ☐ Yes				

Notes: Construction and traffic noise. Increased human presence along the streambank.

Species	# of	Behavior	Notes/Observations
Observed	individuals		
Common Myna	1	Loafing	Along the streambank in the vegetation.
Common Myna	1	Flying	Flying above the streambank.
Zebra dove	1	Flying	Flying above the streambank.
Red-vented	2	Flying	Flying above the streambank.
bulbul			

PHOTOGRAPHS



Photograph # 1:

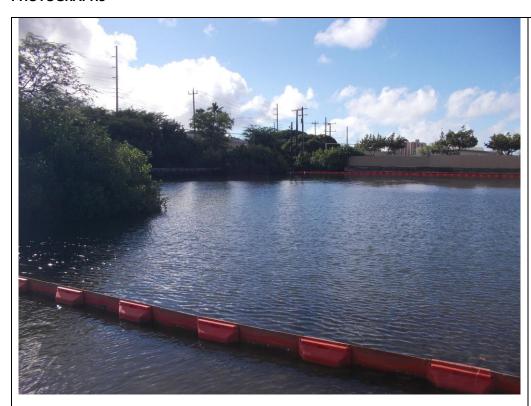
Estuary Site 1 looking upstream.

Observer/s:		_
Date: <u>01-06-25</u> Sit	e Name: Estuary Site 2	Time: <u>0950</u>
WEATHER CONDITIONS		
NOW	Past 24 Hours	Has there been a heavy rain in the past 7 days?
☐ storm (heavy rain)	☐ storm (heavy rain)	☐ yes ⊠ no
☐ rain (steady rain)	☐ rain (steady rain)	
☐ showers (intermittent)	☐ showers (intermittent)	
20 % cloud cover	30 % cloud cover or less	
⊠ clear/sunny	⊠ clear/sunny	
Observed Turbidity/Sedimentation Water Color: Green Estimated Depth: +6' Visibility: 1' Tide (if applicable): 1.5'	standing water ⊠ flowing water : Cloudy, sediment mixed in water	
Notes: N/A		
Fish Breathing Stress/Gulping ⊠ N	d Fish <u>N/A</u> None	

Species	# of	Behavior	Notes/Observations
Observed	individuals		
Mallard Hybrid	1	Flying	Flying above the streambed.
Pacific golden Plover	1	Loafing	Loafing in the vegetation along streambank.
Java Sparrow	3	Foraging	Foraging in the vegetation along streambank.
Common Myna	7	Foraging	Foraging in the vegetation along streambank.
Pacific golden Plover	1	Foraging	Foraging in the vegetation along streambank.
Common Waxbill	17	Foraging	Foraging in the vegetation along streambank.
Red-vented Bulbul	1	Flying	Flying above the streambed

Zebra dove	2	Foraging	Foraging in the vegetation along streambank.
Rock dove	1	Flying	Flying above the streambed.
Cat	1	Loafing	Loafing in the vegetation along streambank.

PHOTOGRAPHS



Photograph # 1:

Estuary Site 2 looking upstream.



Photograph # 2:

Estuary Site 2 looking downstream.

WATERBIRD SURVEY DATASHEET

	WETLAND CONDTION CODES	WEATHER CODES				
Water Level (WL)	Human Impact (HI)	Rainfall (RF)	Wind			
0 = 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 hail 5 = small trees sway, >19 mph				
1 = 26-50% veg cover	1 = water 25 ft from high tide mark	Cloud Cover (CC) = Estimate to the nearest 10%				
2 = 51-75% veg cover	2 = water 50 ft from high tide mark					
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

Date 01-06-25

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	3		DC						DS 1			Г	S 2	
	WL	VC	HI	SC	WL	VC	н	SC	WL	VC	HI	SC	WL	VC	HI	SC
Condition	1	0	0	NA	1	0	0	NA	1	0	0	NA	1	0	0	N/A
Weather	CC	RF	Wind		СС	RF	Wind		СС	RF	Wind		CC	RF	Wind	
	30 0 1 Start Stop		30 0 1 Start			ор	30 0 Start		1 St	ор	20 0 Start		2 Stop			
Time		826	08		080		08			353	08		0905 0910			
COOT adult																
subadult																
GALLINULE/MOORHEN adult																
subadult																
STILT adult																
subadult																
KOLOA adult																
subadult																
										2 (adult.	foraging)			4 (adult.	foraging)	
Koloa/Mallard Hybrid											3 3/			,	3.37	
Mallard (domestic/feral)									<u> </u>							
Other Domestic Duck																
Black-cr. Night Heron														1 (adult,	foraging)	
Cattle Egret																
Pacific Golden Plover					1	(adult flyi	ng/foragin	g)		1 (adult,	foraging)			1 (adult	foraging)	
Ruddy Turnstone														, (====,		
Sanderling																
Wandering Tattler																
Northern Pintail																
Mallard (migratory)																
Lesser scaup																
White fairy tern																
Comments																
	no	waterbird	s/shorebi	rds												
									I						Re	v. Aug 201

WATERBIRD SURVEY DATASHEET

WATERDING SORVET DATASTILLET													
	WETLAND CONDTION CODES		WEATHER CODES										
Water Level (WL)	Human Impact (HI)		Rainfall (RF)	Wind									
0 = 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 app	plicable	5 = snow or hail	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

Date 01-06-25

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KEEP A COPY FOR YOUR RECORDS

<u>Island O'ahu</u> Subadult includes juveniles and chicks

Wetland Name			0.4													
Wetland Hame	14/1		S 1	CC	SC WL VC HI SC				\A/I	VC			14/1	V/C		
Condition	WL 2	VC 0	HI 1	SC N/A	2	0	0	N/A	WL	VC	HI	SC	WL	VC	HI	SC
Weather	CC RF Wind 20 0 2		CC RF Wind 20 0 2		CC	RF	Wind		CC RF Wind							
Time		art 32		ор 37	Start Stop 0950 0955			Start Stop			Start Stop					
COOT adult																
subadult																
GALLINULE/MOORHEN adult																
subadult																
STILT adult																
subadult																
KOLOA adult																
subadult																
Koloa/Mallard Hybrid																
Mallard (domestic/feral)																
Other Domestic Duck																
Black-cr. Night Heron																
Cattle Egret																
Pacific Golden Plover					2 (/	Adult, Ioa	fing/foragi	ng)								
Ruddy Turnstone																
Sanderling																
Wandering Tattler																
Northern Pintail																
Mallard (migratory)																
Lesser scaup																
White Tern																
Comments	No	shorebire	ds/waterbi	irds												
															Rev	. Aug 2017