Observer/s:		
Date: <u>07-28-25</u> Site	e Name: <u>Upstream Site</u>	Time: <u>0812</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
☐ rain (steady rain)	□ rain (steady rain)	
⋈ showers (intermittent)	\square showers (intermittent)	
90 % cloud cover	30 % cloud cover or less	
☐ clear/sunny	☐ clear/sunny	
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	standing water ⊠ flowing water : clear, sediment at bottom of strea	
Notes: N/A		
Fish Breathing Stress/Gulping ⊠ N	d Fish <u>0</u> Jone	

Species	# of	Behavior	Notes/Observations
Observed	individuals		
red-vented	8	Loafing	In the vegetation above the stream.
bulbul			
zebra dove	2	Flying	Flew over the stream.
white-eye	3	Loafing	In the vegetation above the stream.
warbler			
feral cat	1	Loafing	Kitten loafing in the vegetation above the stream.
red-vented	2	Flying	Flew over the stream.
bulbul			

PHOTOGRAPHS



Photograph # 1:

Upstream Site looking upstream.



Photograph # 2:

Upstream Site looking downstream.

Observer/s:		<u></u>			
Date: <u>07-28-25</u> Site	e Name: <u>Discharge Site</u>	Time: <u>0758</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			
☐ rain (steady rain)	oxtimes rain (steady rain)				
	\square showers (intermittent)				
90_% 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: clear, sediment at bottom of the stream Water Color: clear Estimated Depth: 1-3" Visibility: 100% to the bottom Tide (if applicable): N/A					
Notes: N/A					
Fish Breathing Stress/Gulping $\ oxtimes$ N	d Fish <u>0</u> one □ Yes one □ Yes				

Notes: Dogs barking loudly nearby.

Species Observed	# of individuals	Behavior	Notes/Observations
red-vented bulbul	3	Foraging	In the trees above the stream.
red-vented bulbul	2	Loafing	In the trees above the stream.
red-vented bulbul	2	Flying	Flew over the stream.
common myna	4	Flying	Flew over the stream.
zebra dove	1	Loafing	In the trees above the stream.
common myna	2	Loafing	In the dry part of the stream.
white-eye warbler	2	Loafing	In the trees above the stream.

mongoose	2	Loafing	In the trees above the stream. Scraping with each
			other lol

PHOTOGRAPHS



Photograph # 1:

Discharge Site looking upstream.



Photograph # 2:

Discharge Site looking downstream.

Observer/s:							
Date: <u>07-28-25</u> Site	e Name: <u>Downstream Site 1</u>	Time: <u>0732</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					
☐ rain (steady rain)	□ rain (steady rain)						
⋈ showers (intermittent)	\square showers (intermittent)						
<u>100</u> % 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: clear, sediment at bottom Water Color: clear Estimated Depth: 1-3" Visibility: 100% to the bottom Tide (if applicable): N/A							
Notes: N/A	Notes: N/A						
SPECIES OBSERVATIONS Fish Kill? ☐ Yes ☒ No # Dead Fish O Fish Breathing Stress/Gulping ☒ None ☐ Yes Fish Abnormal Behavior ☒ None ☐ Yes Notes: N/A							

Species	# of	Behavior	Notes/Observations
Observed	individuals		
black-crowned	1	Foraging	Hunting in the stream.
night heron			
spotted dove	2	Flying	Flew over the stream.
mosquito fish	~50	Swimming	In the stream.
red-vented	1	Flying	Flew over the stream.
bulbul			
white tern	2	Flying	Flew over the stream.

PHOTOGRAPHS



Photograph # 1:

Downstream Site 1 looking upstream.

Observer/s:		
Date: <u>07-28-25</u>	Site Name: <u>Downstream Site</u>	e 2 Time: <u>0723</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)	
90% cloud cover	30 % cloud cover or less	
☐ clear/sunny	☐ clear/sunny	
Water level	\square standing water $oxtimes$ flowing water in water sediment lightly mixed in wa	
SPECIES OBSERVATIONS Fish Kill? ☐ Yes ☒ No # De Fish Breathing Stress/Gulping ☒	ead Fish <u>0</u> None	
INOTES: IN/W		

Species	# of	Behavior	Notes/Observations
Observed	individuals		
rose-ringed parakeet	5	Flying	Flew over the stream.
black-crowned night heron	3	Loafing	In the stream.
koloa/mallard hybrid	4	Swimming	In the stream.
common myna	2	Flying	Flew over the stream.
spotted dove	1	Flying	Flew over the stream.

PHOTOGRAPHS



Photograph #

Downstream Site 2 looking downstream.

Observer/s:			_		
Date: <u>07-28-25</u> Sit	e Name: _	Estuary Site 1	Time: <u>0700</u>		
WEATHER CONDITIONS					
NOW	Past 24 F	lours	Has there been a heavy rain in the past 7 days?		
☐ storm (heavy rain)	☐ storm	n (heavy rain)	☐ yes ⊠ no		
☐ rain (steady rain)	⊠ rain (steady rain)			
☐ showers (intermittent)	☐ show	ers (intermittent)			
<u>80</u> % cloud cover	<u>30</u> % clc	oud cover or less			
☐ clear/sunny	☐ clear/	sunny			
WATER QUALITY Water level □ dry ⋈ wet □ standing water ⋈ flowing water □ sheen visible Observed Turbidity/Sedimentation: Cloudy, sediment mixed in water. Water Color: Light green to dark green Estimated Depth: 4-6' Visibility: 6" Tide (if applicable): 1.1 ft Notes: N/A					
Fish Breathing Stress/Gulping $\ oxtimes$	d Fish <u>0</u> Jone □ Ye Jone □ Ye				

Notes: Boat docked in the water.

Species	# of	Behavior	Notes/Observations
Observed	individuals		
spotted dove	4	Flying	Flew over the stream.
white tern	7	Flying	Flew over the stream.
rose-ringed	8	Flying	Flew over the stream.
parakeet			
red-vented	1	Flying	Flew over the stream.
bulbul			
common myna	3	Flying	Flew over the stream.
common	3	Flying	Flew over the stream.
waxbill			
cattle egret	1	Flying	Flew over the stream.
spotted dove	1	Loafing	In vegetation above the stream.
rock dove	2	Flying	Flew over the stream.

red-vented	1	Loafing	In vegetation above the stream.	l
bulbul				ĺ

PHOTOGRAPHS



Photograph # 1:

Estuary Site 1 looking upstream.

Observer/s:		
Date: <u>07-28-25</u> Sit	e Name: <u>Estuary Site 2</u>	Time: <u>0711</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)	
80 % cloud cover	30 % cloud cover or less	
☐ clear/sunny	☐ clear/sunny	
Water level □ dry ⋈ wet □ Observed Turbidity/Sedimentation Water Color: clear to light green Estimated Depth: 1-3' Visibility: 100% to bottom Tide (if applicable): 1.1 ft	standing water ⊠ flowing water : clear, sediment on the bottom	□ sheen visible
Notes: N/A		
Fish Breathing Stress/Gulping ⊠ N	d Fish <u>0</u> Ione	

Species Observed	# of individuals	Behavior	Notes/Observations
white-eye warbler	3	Flying	Flew over the stream.
common waxbill	3	Loafing	In vegetation above the stream.
rock dove	8	Flying	Flew over the stream.
tilapia	~20	Swimming	In the stream.
mullet	~10	Swimming	In the stream.
common myna	3	Flying	Flew over the stream.
red-crested cardinal	1	Loafing	In vegetation above the stream.
spotted dove	1	Flying	Flew over the stream.
zebra dove	1	Flying	Flew over the stream.

			<u> </u>
rose-ringed	6	Flying	Flew over the stream.
parakeet			

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	ol					
2 = 51-75% veg cover	2 = water 50 ft from high tide mark	Cloud Cover (CC) = Es	stimate to the nearest 10%				
3 = >75% cover	3 = water >50 ft from high tide mark	•					

	07-28-25	
Date		

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

Observers

Date 01-20-23

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

KEEP A COPY FOR YOUR RECORDS

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

Wetland Name		110					20				30.4		DS 2				
				US DC					WL	VC	OS 1	SC	WL VC HI SC				
Condition	2	0	0	N/A	2	0	0	N/A	2	0	0	N/A	2	0	0	N/A	
Weather	CC 90	RF 1	Wind 1		CC 90	RF 1	Wind 1		CC 100	RF 1	Wind 1		CC 90	RF 1	Wind 1		
Time		tart 812	St 08	op 17		Start 0758		op 03		art 32	St 07	op 37	St 072	art 23	St 072	ор 28	
COOT adult																	
subadult																	
GALLINULE/MOORHEN adult																	
subadult																	
STILT adult																	
subadult																	
KOLOA adult																	
subadult																	
Koloa/Mallard Hybrid														4 (adul	t/loafing)		
Mallard (domestic/feral)																	
Other Domestic Duck																	
Black-cr. Night Heron									1 (adult/foraging)		3 (adult/loafing)						
Cattle Egret																	
Pacific Golden Plover																	
Ruddy Turnstone																	
Sanderling																	
Wandering Tattler																	
Northern Pintail																	
Mallard (migratory)																	
Lesser scaup																	
White tern										2 (adul	ts/flying)						
Comments																	
	no wa	aterbirds/s	horebirds	•	no wa	aterbirds/	shorebirds	5									
															Rev	Aug 2017	

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	claud causa (cc) - 5a	ti				
2 = 51-75% veg cover	2 = water 50 ft from high tide mark	Cloud Cover (CC) = Es	timate 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 07-28-25

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

KEEP A COPY FOR YOUR RECORDS

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

Wetland Name			0.4													
Wetland Wante	147	ES 1			147		S 2	66		V/C				\/C		
Condition	WL 2	VC	HI 1	SC	WL 2	VC	HI 0	SC	WL	VC	HI	SC	WL	VC	HI	SC
Weather	CC 80	RF 0	Wind 1		CC 80	RF	Wind 1		CC	RF	Wind		CC	RF	Wind	
Time		art		op)5	St	art 11	St	op 16	St	art	St	ор	St	art	St	ор
COOT adult			070		01		UI.	10								
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		1 (adu	lt/flying)													
Pacific Golden Plover																
Ruddy Turnstone																
Sanderling																
Wandering Tattler																
Northern Pintail																
Mallard (migratory)																
Lesser scaup																
White Tern		7 (adu	lt/flying)													
Comments																
					'	No water	shorebird/	S								
															Rev	. Aug 2017