

STREAM SURVEY FORM

SURVEY TYPE: RANDOM NONRANDOM OBSERVER: _____

HSA CODE: _____ - _____ - _____ . _____ TEMPERATURE: _____ (°C)

NAME: _____ ELEVATION: _____ (ft.)

DATE: ____ / ____ / ____ TIME: _____ AM TO _____ AM
Mo. Day Yr. (START) PM (STOP) PM

SUBSTRATE TYPE (%):

SEDIMENT _____ SAND _____ GRAVEL _____
COBBLE _____ BOULDERS _____ BEDROCK _____
DETRITUS _____

HABITAT TYPE: SURVEY AREA (" x w" x h"): _____

POOL SIDE POOL PLUNGE POOL RUN RIFFLE CASCADE
NO WATER DIRTY WATER

SPP: SIZE ♂ ♀ ?

Water - murky, parts of the
water, sunny day so
some of the places
are clear water.
canopy covering parts of
stream

COMMENTS:

Random No.: _____, _____

Site No.: _____

STREAM SURVEY FORM

SURVEY TYPE: RANDOM NONRANDOM OBSERVER: _____
HSA CODE: _____ - _____ - _____ . _____ TEMPERATURE: _____ (°C)
NAME: _____ ELEVATION: _____ (ft.)
DATE: _____ / _____ / _____ TIME: _____ AM TO _____ AM
Mo. Day Yr. (START) PM (STOP) PM

SUBSTRATE TYPE (%):

SEDIMENT _____ SAND _____ GRAVEL _____
COBBLE _____ BOULDERS _____ BEDROCK _____
DETRITUS _____

HABITAT TYPE:

SURVEY AREA (l" x w" x h"): _____
POOL SIDE POOL PLUNGE POOL RUN RIFFLE CASCADE
NO WATER DIRTY WATER

SPP: SIZE ♂ ♀ ?

COMMENTS:

Random No.: _____ , _____

Site No.: _____

DIVISION OF AQUATIC RESOURCES
GRH 2/02



STREAM SURVEY FORM

SURVEY TYPE: RANDOM NONRANDOM OBSERVER: _____

HSA CODE: _____ TEMPERATURE: _____ (°C)

NAME: _____ ELEVATION: _____ (ft.)

DATE: 1 / 1 / _____ TIME: _____ AM TO _____ AM
Mo. Day Yr. (START) PM (STOP) PM

SUBSTRATE TYPE (%):

SEDIMENT 78% SAND 0% GRAVEL 5%
COBBLE 5% BOULDERS 10% BEDROCK _____
DETRITUS _____

HABITAT TYPE: SURVEY AREA (" x w" x h"): _____

POOL SIDE POOL PLUNGE POOL RUN RIFFLE CASCADE
NO WATER DIRTY WATER

SPP: SIZE ♂ ♀ ?

Riffle Run
DUPA Water Lot of
~~_____~~
7m
leaves and
very hard
to see

COMMENTS:

Random No.: _____ , _____

Site No.: _____

STREAM SURVEY FORM

SURVEY TYPE: RANDOM NONRANDOM OBSERVER: _____

HSA CODE: _____ - _____ - _____ TEMPERATURE: _____ (°C)

NAME: _____ ELEVATION: _____ (ft.)

DATE: _____ / _____ / _____ TIME: _____ AM TO _____ AM
Mo. Day Yr. (START) PM (STOP) PM

SUBSTRATE TYPE (%):

SEDIMENT _____ SAND _____ GRAVEL _____
COBBLE _____ BOULDERS _____ BEDROCK _____
DETRITUS _____

HABITAT TYPE: SURVEY AREA (l" x w" x h"): _____

POOL SIDE POOL PLUNGE POOL RUN RIFFLE CASCADE
NO WATER DIRTY WATER

SPP: SIZE ♂ ♀ ?

In the run a 'o'opo nahika about
1 1/2 in long. 2 more nahika 1

about 2 in long and the other is about

4-5 in long. both feeding on

whats looks to be cress flies

both staying close together

a notch one comes from behind

about 4 in long

1 nahika 2 in 1 Aopili 1 in

1 nahika 3 in all in a run

Pool nahika about 3 in

COMMENTS:

Random No.: _____ , _____

Site No.: _____

STREAM SURVEY FORM

SURVEY TYPE: RANDOM NONRANDOM OBSERVER: _____

HSA CODE: _____ TEMPERATURE: _____ (°C)

NAME: _____ ELEVATION: _____ (ft.)

DATE: _____ / _____ / _____ TIME: _____ AM TO _____ AM
Mo. Day Yr. (START) PM (STOP) PM

SUBSTRATE TYPE (%):

SEDIMENT _____ SAND _____ GRAVEL _____
COBBLE _____ BOULDERS _____ BEDROCK _____
DETRITUS _____

HABITAT TYPE: SURVEY AREA (l" x w" x h"): _____

POOL SIDE POOL PLUNGE POOL RUN RIFFLE CASCADE
NO WATER DIRTY WATER

SPP: SIZE ♂ ♀ ?

Traced about 1/2 - 1 in long.

COMMENTS:

Random No.: _____, _____

Site No.: _____

STREAM SURVEY FORM

SURVEY TYPE: RANDOM NONRANDOM OBSERVER: _____

HSA CODE: ____ - ____ - ____ . ____ TEMPERATURE: _____ (°C)

NAME: _____ ELEVATION: _____ (ft.)

DATE: ____ / ____ / ____ TIME: ____ AM TO ____ AM
Mo. Day Yr. (START) PM (STOP) PM

SUBSTRATE TYPE (%):

SEDIMENT _____ SAND _____ GRAVEL _____
COBBLE _____ BOULDERS _____ BEDROCK _____
DETritUS _____

HABITAT TYPE: SURVEY AREA (l" x w" x h"): _____

POOL SIDE POOL PLUNGE POOL RUN RIFFLE CASCADE
NO WATER DIRTY WATER

SPP: SIZE ♂ ♀ ?

COMMENTS:

Random No.: _____ , _____

Site No.: _____

Hawaii

Waipio Valley Hiilane

STREAM SURVEY FORM

SURVEY TYPE: RANDOM NONRANDOM

OBSERVER: Thye Hanaiia

HSA CODE: _____ - _____ - _____

TEMPERATURE: _____ (°C)

NAME: _____

ELEVATION: _____ (ft.)

DATE: Jan. 19 / 2006
Mo. Day Yr.

TIME: 2 15

(START)

AM

PM

TO

(STOP)

AM

PM

SUBSTRATE TYPE (%):

SEDIMENT _____

SAND 25%

GRAVEL _____

COBBLE 25%

BOULDERS 50%

BEDROCK _____

DETRITUS _____

HABITAT TYPE:

SURVEY AREA (l" x w" x h"): _____

POOL SIDE POOL

PLUNGE POOL (RUN)

RIFFLE CASCADE

NO WATER

DIRTY WATER

SPP: _____ SIZE

♂

♀

?

16 inches deep

150 paces - from UHC10 Run

COMMENTS:

Random No.: 2, 2

Site No.: 5

STREAM SURVEY FORM

SURVEY TYPE: RANDOM NONRANDOM OBSERVER: _____
HSA CODE: _____ - _____ - _____ . _____ TEMPERATURE: _____ (°C)
NAME: _____ ELEVATION: _____ (ft.)
DATE: _____ / _____ / _____ TIME: _____ AM TO _____ AM
Mo. Day Yr. (START) PM (STOP) PM

SUBSTRATE TYPE (%):
SEDIMENT _____ SAND _____ GRAVEL _____
COBBLE _____ BOULDERS _____ BEDROCK _____
DETRITUS _____

HABITAT TYPE: SURVEY AREA (l" x w" x h"): _____
POOL SIDE POOL PLUNGE POOL RUN RIFFLE CASCADE
NO WATER DIRTY WATER

SPP: SIZE ♂ ♀ ?

COMMENTS:

Random No.: _____ , _____

Site No.: _____

Hawaii I. / Waipio Valley

STREAM SURVEY FORM

SURVEY TYPE: RANDOM NONRANDOM

OBSERVER: _____

HSA CODE: _____

TEMPERATURE: _____ (°C)

NAME: Hilane stream

ELEVATION: _____ (ft.)

DATE: 1 / 1 / _____
Mo. Day Yr.

TIME: 3:11
(START)

TO _____ AM PM
(STOP)

SUBSTRATE TYPE (%):

SEDIMENT _____ SAND _____ GRAVEL _____

COBBLE _____ BOULDERS _____ BEDROCK _____

DETRITUS _____

HABITAT TYPE:

SURVEY AREA (l" x w" x h"): _____

POOL SIDE POOL PLUNGE POOL RUN RIFFLE CASCADE

NO WATER DIRTY WATER

SPP: _____ SIZE _____ ♂ _____ ♀ _____ ?

1 ft 8 in

COMMENTS:

Random No.: 3, 6

Site No.: 7

Hawaii I.; Waipio Valley

STREAM SURVEY FORM

SURVEY TYPE: RANDOM NONRANDOM OBSERVER: _____
HSA CODE: _____ TEMPERATURE: _____ (°C)
NAME: HILAWA STREAM ELEVATION: _____ (ft.)
DATE: 1/1 / 1 / _____ TIME: 2:50 AM TO _____ AM
Mo. Day Yr. (START) PM (STOP) PM

SUBSTRATE TYPE (%):
SEDIMENT _____ SAND _____ GRAVEL 50%
COBBLE _____ BOULDERS 50% BEDROCK _____
DETRITUS _____

HABITAT TYPE: SURVEY AREA (l" x w" x h"): _____
POOL SIDE POOL PLUNGE POOL RUN RIFFLE CASCADE
NO WATER DIRTY WATER

SPP: SIZE ♂ ♀ ?

1 ft Bin

230 paces of Uncle Ron's station

COMMENTS:

Random No.: 8, 5

Site No.: 6



Hawaii Island

Ngitiio

STREAM SURVEY FORM

Hiiawo Stream

SURVEY TYPE: RANDOM NONRANDOM

OBSERVER: True Hawaiian

HSA CODE: _____ TEMPERATURE: _____ (°C)

NAME: _____ ELEVATION: _____ (ft.)

DATE: June 19, 2006 TIME: 1:37 AM TO 1:54 AM
Mo. Day Yr. (START) PM (STOP) PM

SUBSTRATE TYPE (%):

SEDIMENT _____ SAND 50% GRAVEL _____
COBBLE 50% BOULDERS _____ BEDROCK _____
DETRITUS _____

HABITAT TYPE: SURVEY AREA (" x w" x h"): _____

POOL SIDE POOL PLUNGE POOL RUN RIFFLE CASCADE
NO WATER DIRTY WATER

SPP: _____ SIZE _____ ♂ _____ ♀ _____ ?

13 inches DEEP

Nothing in sample

NO GPS - ca 80 paces ex. Ron's
Str.

COMMENTS:

Random No.: 4, 3

Site No.: 3

Hawaii

STREAM SURVEY FORM

Waipioe Hiilawe

SURVEY TYPE: RANDOM NONRANDOM

OBSERVER: True Hawaiian

HSA CODE: _____ TEMPERATURE: _____ (°C)

NAME: _____ ELEVATION: _____ (ft.)

DATE: Jan. 19 / 2006 TIME: 1:55 (START) PM TO 2:10 (STOP) PM

SUBSTRATE TYPE (%):

SEDIMENT _____ SAND _____ GRAVEL _____
COBBLE 50% BOULDERS 50% BEDROCK _____
DETRITUS _____

HABITAT TYPE:

SURVEY AREA (l" x w" x h"): _____

POOL SIDE POOL PLUNGE POOL RUN RIFFLE CASCADE
NO WATER DIRTY WATER

SPP: SIZE ♂ ♀ ?

12 inches deep

130 paces - from Uncle Ron's stations

COMMENTS:

Random No.: 5, 5

Site No.: 4

Hawaii I. Waipio Vol. Hehikane Sfr-

STREAM SURVEY FORM

SURVEY TYPE: RANDOM NONRANDOM

OBSERVER: X-Stream Team

HSA CODE: _____

TEMPERATURE: _____ (°C)

NAME: _____

ELEVATION: _____ (ft.)

DATE: 01191205
Mo. Day Yr.

TIME: 11:40
(START)

AM
PM

TO 12:24
(STOP)

AM
PM

SUBSTRATE TYPE (%):

SEDIMENT 15%

SAND _____

GRAVEL _____

COBBLE _____

BOULDERS 70%

BEDROCK _____

DETRITUS 15

HABITAT TYPE:

SURVEY AREA (" x w" x h"): _____

POOL SIDE POOL

PLUNGE POOL RUN

RIFFLE CASCADE

NO WATER

DIRTY WATER

SPP: _____

SIZE _____

♂

♀

?

5.5 inch.

3 meter = 10 ft

ca. 130 pieces ex. Ron's Station

COMMENTS:

Random No.: 10, 6

Site No.: 1

STREAM SURVEY FORM

SURVEY TYPE: RANDOM NONRANDOM

OBSERVER: Xstream Team

HSA CODE: _____

TEMPERATURE: _____ (°C)

NAME: _____

ELEVATION: _____ (ft.)

DATE: Jan 10, 2006
Mo. Day Yr.

TIME: 12:27
(START) AM PM

TO _____ AM PM
(STOP)

SUBSTRATE TYPE (%):

SEDIMENT _____	SAND _____	GRAVEL <u>10%</u>
COBBLE _____	BOULDERS <u>35</u>	BEDROCK <u>55</u>
	DETRITUS _____	

HABITAT TYPE:

SURVEY AREA (l" x w" x h"): _____

POOL	SIDE POOL	PLUNGE POOL	RUN	RIFFLE	CASCADE
NO WATER		DIRTY WATER			

SPP:	SIZE	♂	♀	<u>5</u>	?
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Bin. depth

WP 76

COMMENTS.

2

Random No.: 25

Site No.: 2