

Stream Name	Hirilawe	
Date	June/18/2007	
Start Time	2:01 am	
GPS reading (0 m)	N 20.10576 W 150.59543	
GPS reading (100 m)		
Observers	Hui Wai	
Comments		

Transect # 1	0 m	1 m	2 m	3 m	4 m	5 m	6 m	7 m	8 m	9 m	10 m	11 m	12 m	13 m
Est. Depth	0.1	0	0.8	0.9	0	0	0.7	0.1	0.1	0.3	0	0	0	0
Water Speed	S	0	M	M	0	0	S	S	S	S	0	0	0	0
Substrate Size	L	L	ML	M	L	M	S	SM	L	S	L	L	L	S
Other maj. feat.	Edge	boulder			boulder	Land					Land	Land	Land	Land

11m 16m 16m 17m

Transect # 1	0 m	1 m	2 m	3 m	4 m	5 m	6 m	7 m	8 m	9 m	10 m	11 m	12 m	13 m
Est. Depth	0.7	0.3	0.3	0										
Water Speed	M	S	S	0										
Substrate Size	S	S	S	L										
Other maj. feat.				land										

Transect # 2	0 m	1 m	2 m	3 m	4 m	5 m	6 m	7 m	8 m	9 m	10 m	11 m	12 m	13 m
Est. Depth	0.35	0.8	1.2	0	0.55	0	0.4	1.35	0.25	0	0	0	0	0
Water Speed	S	M	M	0	S	0	S	F	S	0	0	0	0	0
Substrate Size	SM	L	SM	L	SM	S	S	M	L	SML	SML	SML	SML	SML
Other maj. feat.	Edge			boulder		Land	sediment			Land	"	"	"	"

14m 15m 16m

Transect # 2	0 m	1 m	2 m	3 m	4 m	5 m	6 m	7 m	8 m	9 m	10 m	11 m	12 m	13 m
Est. Depth	0.1	0.4	0.1											
Water Speed	S	S	S											
Substrate Size	L	M	SM											
Other maj. feat.			Edge											

Transect # 3	0 m	1 m	2 m	3 m	4 m	5 m	6 m	7 m	8 m	9 m	10 m	11 m	12 m	13 m
Est. Depth	0.6	0.8	0.8	0	0.1	0.4	1.2	0.5	0.4	1.3	0.5	0.5	0	0.1
Water Speed	S	S	S	0	S	M	0	M	M	M	S	S	0	S
Substrate Size	S	M	M	L	S	L	L	L	L	L	S	S	L	S
Other maj. feat.	Edge			boulder			boulder						Land	

14m 15m 16m

Transect # 3	0 m	1 m	2 m	3 m	4 m	5 m	6 m	7 m	8 m	9 m	10 m	11 m	12 m	13 m
Est. Depth	0.4	1.8	0.6	0.2	0.2									
Water Speed	S	S	S	S	S									
Substrate Size	M	M	S	M	M									
Other maj. feat.					Edge									

Water Speed (fast, medium, slow)

Substrate Size (small, medium, large)

Stream Name	Hi'i'iaupō	Stream Mapping Data Sheet
Date	6/18/07	
Start Time	9:51am	
GPS reading (0 m)	N 20.09939°	
GPS reading (100 m)	W 155.01247°	
Observers	Kai	
Comments		

5.8

Transect # 1	0 m	1 m	2 m	3 m	4 m	5 m	6 m	7 m	8 m	9 m	10 m	11 m	12 m	13 m
Est. Depth	0.3	0.85	0.7	0.7	1.7	1.8	0.2							
Water Speed	S	S	S	S	S	M	S							
Substrate Size	S/M	M	L	L	S/M	L	S							
Other maj. feat.	STREAM BANK						STREAM BANK							

5.1

Transect # 2	0 m	1 m	2 m	3 m	4 m	5 m	6 m	7 m	8 m	9 m	10 m	11 m	12 m	13 m
Est. Depth	0.0	0.3	0.9	0.8	0.7	1.1	0.35	0						
Water Speed	S	S	M/F	M	F	M	S	S						
Substrate Size	S/M	M	SML	SM	LSM	LM	ML	L						
Other maj. feat.	STREAM BANK							STREAM EDGE						

5.1

Transect # 3	0 m	1 m	2 m	3 m	4 m	5 m	6 m	7 m	8 m	9 m	10 m	11 m	12 m	13 m
Est. Depth	0.1	0.35	1.25	0.9	0.6	0.35	0.2							
Water Speed	S	S	S	S/M	M/F	S	S							
Substrate Size	S	L/M	M/L	S/M/L	M/L	M/L	L							
Other maj. feat.	STREAM BANK						Boulders							

5.4

Transect # 4	0 m	1 m	2 m	3 m	4 m	5 m	6 m	7 m	8 m	9 m	10 m	11 m	12 m	13 m
Est. Depth	0.0	0.55	0.8	0.75	1.1	1.3	0.9	0	0.45	0.8				
Water Speed	S	F	M	S	M	S	S	L	S	S				
Substrate Size	L	S/M	S	S	L/M	M/L	S/M/L	0	S/M	S/L				
Other maj. feat.	Stream Bank							Boulders		Stream Bank				

5.4

Transect # 5	0 m	1 m	2 m	3 m	4 m	5 m	6 m	7 m	8 m	9 m	10 m	11 m	12 m	13 m
Est. Depth	0.1	0	0.8	0.7	0.95	0.3	0.25	0.1						
Water Speed	S	Boulder	M/F	M	S	S	S	S						
Substrate Size	M/L	0	M/L	S/M/L	S/M	S/M	S/M	S/M						
Other maj. feat.	Stream Bank	Boulder						Stream Bank						

5.4

Transect # 6	0 m	1 m	2 m	3 m	4 m	5 m	6 m	7 m	8 m	9 m	10 m	11 m	12 m	13 m
Est. Depth	0.1	0.3	1.2	0.9	0.8	0.55	0.1							
Water Speed	S	S	M	M	S	S	S							
Substrate Size	S, M, L	L	M, L	S, M, L	L	S	S							
Other maj. feat.	Stream Bank						Stream Bank							

Water Speed (fast, medium, slow)

Substrate Size (small, medium, large)

Stream Name	Hilawe	Stream Mapping Data Sheet
Date	June 18/2007	
Start Time	11:45 am	
GPS reading (0 m)	N20.10630° W155.59616° (10 meters up)	
GPS reading (100 m)	N 20.10603° W155.59650°	
Observers	Aina / Kanu oka Tina	
Comments		

Transect # 7	0 m	1 m	2 m	3 m	4 m	5 m	6 m	7 m	8 m	9 m	10 m	11 m	12 m	13 m
Est. Depth	1.3	1.25	0.4	1.1	1.6	0.7	0.2	0	0.35	0.3				
Water Speed	S	S	S	M	F	F	M	0	S	S				
Substrate Size	SM	L	SL	L	L	M	L	L	0	M				
Other maj. feat.	Stream Bank						Boulder	rock	mud	Stream Bank				

Transect # 8	0 m	1 m	2 m	3 m	4 m	5 m	6 m	7 m	8 m	9 m	10 m	11 m	12 m	13 m
Est. Depth	0.2	0.1	0.2	1.1	1.2	0.6	0.25							
Water Speed	S	S	F	F	F	M	S							
Substrate Size	L	L	L	L	L	S	M							
Other maj. feat.	Stream Bank						Stream Bank							

Transect # 9	0 m	1 m	2 m	3 m	4 m	5 m	6 m	7 m	8 m	9 m	10 m	11 m	12 m	13 m
Est. Depth	0.1	0.5	0.75	0.6	0.4	0.7	0.9	1.7	0.5	1.3	0.2			
Water Speed	S	F	F	F	F	F	F	F	M	S				
Substrate Size	L	M	S	L	S, M	L	L	S	L	L				
Other maj. feat.	Stream Bank										Stream Bank			

Transect # 10	0 m	1 m	2 m	3 m	4 m	5 m	6 m	7 m	8 m	9 m	10 m	11 m	12 m	13 m
Est. Depth	0.5	0.4	0.55	0	1.0	1.0	0.65	0.55	0.45	0.3	0.2	0.4	0	0.35
Water Speed	S	M	S	0	M	F	F	F	M	M	M	S	0	S
Substrate Size	S	L	L	L	M	L	L	S	S	S	M	L	L	M, L
Other maj. feat.	Stream Bank			Boulder	Boulder								Boulder	Stream Bank

Transect # 11	0 m	1 m	2 m	3 m	4 m	5 m	6 m	7 m	8 m	9 m	10 m	11 m	12 m	13 m	14 m
Est. Depth	0.1	0	0	1.0	0.9	2.5	1.5	1	0	1.5	1.5	0	0	0	0.35
Water Speed	slow	0	0	Fast	F	S	S	M	S	S	S	0	0	0	M
Substrate Size	Small	Large	L	S	L	S	L	S	L	M	M	M	L	L	M
Other maj. feat.	Stream Bank	Boulder	Boulder		Boulder		Boulder	Boulder	Boulder				Boulder	Boulder	Stream Bank

Transect #	0 m	1 m	2 m	3 m	4 m	5 m	6 m	7 m	8 m	9 m	10 m	11 m	12 m	13 m
Est. Depth														
Water Speed														
Substrate Size														
Other maj. feat.														

Water Speed (fast, medium, slow)

Substrate Size (small, medium, large)