

Stream Name	hiilawe	<b>Stream Mapping Data Sheet</b> 
Date	Jan. 19, 2006	
Start Time	2:50 PM	
GPS reading (0 m)		
GPS reading (100 m)		
Observers	Amanda, Nicole, Jordan	
Comments		

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	0.55	1.5			0.20	0.11	0.2	0.35	0.4		0.3	0.4		
Water Speed	M	MF			S	S	S	S	S		S		MS	
Substrate Size	L	M			S	S	SM	S	S		S		M	
Other maj. feat.			Boulder		Bould.						Bld.		Bould.	Bld.

Transect #	40 m	5 m	2 m 16	3 m 17	4 m 18	5 m	6 m	7 m	8 m	9 m	10 m	11 m	12 m	13 m
Est. Depth	0	0.6	1.0	0.3										
Water Speed		S	F	S										
Substrate Size		ML	ML	MS										
Other maj. feat.	Bld.													

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	0.05	1.4	1.3	1.0	0.7	0.4	0.6	0.7	0.9	0.7	0.2			0.05
Water Speed	S	S	S	F	M	S	S	M	M	M	S			S
Substrate Size	ML	ML	ML	ML	MS	ML	L	ML	M	MS	S			ML
Other maj. feat.													Rocks	Rocks

Transect #	40 m	5 m	6 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	0.5	0.3	0.6										
Water Speed	S	M	S	M										
Substrate Size	M	MS	MS	MS										
Other maj. feat.														

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	0.55	0.75	0.7	0.3	1.5	0.75	0.5	0.6	1.0	0.8	0.8		0.2	0.35
Water Speed	S	MF	MF	MF	M	MF	MF	MF	MF	M	S		S	S
Substrate Size	ML	L	L	L	MS	MS	M	M	MS	M	L		MS	MS
Other maj. feat.												Rocks		

	14	15	16	17	18									
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		0.5	0.5		0.3									
Water Speed		MS	S		S									
Substrate Size		M	MS		MS									
Other maj. feat.	Rocks			Rocks										

Water Speed (fast, medium, slow)

Substrate Size (small, medium, large)

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		0.9	1.0	0.8	1.1	0.8	0.2	0.4	0.7			0.9	0.45	0.25	0.5
Water Speed		S	MF	MF	F	F	M	MF	F			M	F	F	F
Substrate Size		L	MS	MS	MS	S	M	MS	MS			M	S	M	MS
Other maj. feat.										Bld	Bld				

Transect #	14 m	13 m	12 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	0.5									
Water Speed				S	MS									
Substrate Size				M	MS									
Other maj. feat.	Bld.	Bld	Bld											

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.														

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.														

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.														

(3)

Water Speed (fast, medium, slow)

Substrate Size (small, medium, large)

Hillawe

Tally	
Date Collected	1/23/2006
Water Speed (0)	<del>    </del>    (7)
Water Speed (Slow)	<del>    </del> (5)
Water Speed (Medium)	<del>    </del>           (13)
Water Speed (Fast)	<del>    </del>           (13)
Substrate Size (Small)	<del>    </del>           (15)
Substrate Size (Medium)	<del>    </del>                     (21)
Substrate Size (Large)	<del>    </del>           (15)

Stream Name	Nopili Hillawe	<b>Stream Mapping Data Sheet</b> 
Date	1/23/2006	
Start Time	1:00 am	
GPS reading (0 m)	N20° 07.943 W155° 36.460	
GPS reading (100 m)		
Observers	Nopili	
Comments		

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Transect # 1	0 m	1 m	2 m	3 m	4 m	5 m	6 m	6.9	8 m	9 m	10 m	11 m	12 m	13 m
Est. Depth	0.4	0	0.9	1.71	1.2	1.65	1.95	0.6						
Water Speed	S	0	F	M	M	F	F	S						
Substrate Size	S/m	L	S/m	S/m	ML	M	S/m	S						
Other maj. feat.	stream edge	Boulder						stream						

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	0.05	0.7	0.8	1.1	0	1.4	1.0							
Water Speed	S	m	F	F	0	F	m							
Substrate Size	S/m	S/m	L	S/m/L	L	m	m							
Other maj. feat.	stream edge				Boulder		stream 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	0.8	1.1	1.05	0.7	1.0	0.2	0.4							
Water Speed	slow	F	F	F	F	F	M							
Substrate Size	S	L	S/M	L	M	L	S							
Other maj. feat.	stream edge					Boulder								

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	0.46	0	1.27	1.1	1.24	1.44	1.0							
Water Speed	S	0	m	m	m	m	m							
Substrate Size	S	L	S/m	m	L	m	m							
Other maj. feat.	stream edge	Boulder			Boulder		stream edge							

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	0.4	0	0	0	0.82	0	0.2	0.1					
Water Speed	0	M	0	F	0	M	0	F	M					
Substrate Size	L	L	L	M	L	S/M	L	M	S					
Other maj. feat.	Boulder		Boulder		Boulder		Boulder		ST.E					

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)

Hirilause Tally May 23, 2006

Date Collected	Feb. 6, 2006	
Water Speed (0)		(5)
Water Speed (Slow)		(16)
Water Speed (Medium)		(12)
Water Speed (Fast)		(20)
Substrate Size (Small)		(24)
Substrate Size (Medium)		(26)
Substrate Size (Large)		(21)