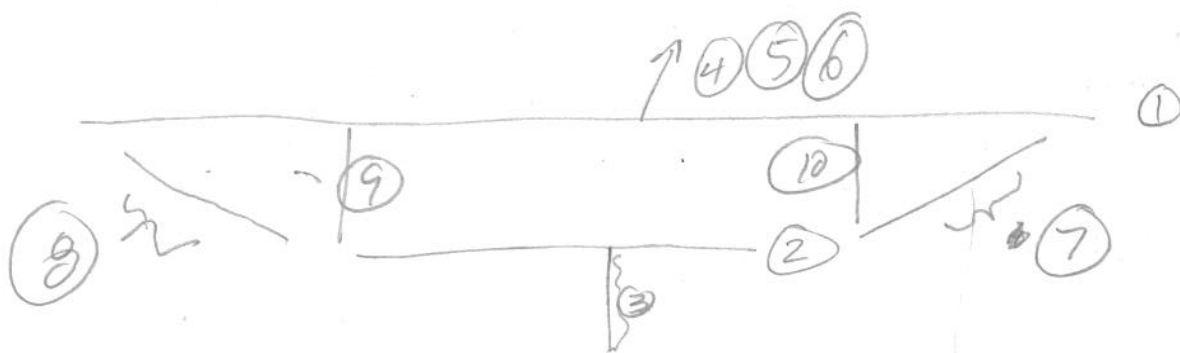


7/14/03



Saving up data

- ① Bank full width
- ② wet width
- ③ max depth
- ④ Distance to next (Range)
- ⑤ Slope (Inclination)
- ⑥ Bearing
- ⑦ slope dist 1 → 2 rt. bank
- ⑧ slope dist lt. bank
- ⑨ vertical slope lt. bank
- ⑩ vertical slope rt. bank

(after 7-10)

Site #	1 (ft)	2 (ft)	3 (m)	4 (ft)	5 (°)	6 (°)	7 (ft)	8 (ft)	9 (ft)	10 (ft)
1	57.39	24.3	17	128.58	90.2	168.0	2.7	22.52	2.67	1.58
2	56.43	16.10	17	383.4	91.4	138.9	3.46	47.74	5.73	3.1
3	61.13	55.65	9 ?	144.65	90.7	154.3	3.27	4.53	1.02	1.21
4	32.0	20.7	1.1	35.01	90.7	181.5	1.53	9.53	2.43	1.04



Site #	bank full width	wet width	R slope dist	L slope dist H.	L vert. height left	R vert. height right	wet depth	distance to next channel	slope (inclination)	bearing	GPS N	GPS W	waypoint
4	32.04m	20.7	1.1m	35.01m	90.7m	181.5m							
5	10.17m	6.93m	1.02m	2.31m	0.8	0.54	1.1m	22.89m	90.1	200.9	20.10510	155.59566	026
* 6	5.51m	3.09m	0.61m	1.69m	0.44m	0.51m	1.3m	37.25m	92.8	159.6	20.10513	155.58710	028
7											20.10457	155.59576	029

Distance Stream of from Road cross

* Was island and we were on the right hand channel.

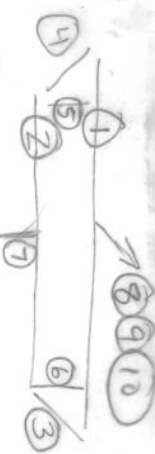
78910



SITE: Lakshya Baidya 7th fl (bridge crossing)
 DATE: July 16, 2003
 COMMENTS:

SITE #	BANK FULL WIDTH 1 (m)	NET WIDTH 2 (m)	RIGHT SLOPE DISTANCE 3 (m)	Left slope Distance 4 (m)	Left vert height 5 (m)	Right vert height 6 (m)	MAX Depth 7 (m)	Inclination to Next (°)	Bearing to Next (°)	Range to Next (m)	GPS N (°)	GPS W (°)
1	2.87	2.32	.40	.75	.56	.33	2.3	90.9	291.3	22.14	20.07862	155.60211
2	5.67	3.54	.55	2.42	.81	.29	1.1	90.9	293.0	27.01	20.08814	155.59604
3	8.76	7.37	.59	1.55	.75	.52	3.3	91.1	246.6	11.88	20.08963	155.59879
4	8.87	6.22	2.31	.77	.82	.54	1.4	92.4	268.2	19.67	20.08996	155.59897
5	5.26	3.60	.82	1.89	.62	.35	.9	92.3	286.9	28.46	20.08987	155.59911
6	9.53	7.87	.53	1.93	.62	.53	2.5	90.0	235.0	20.62	20.08977	155.59944
7	6.19	3.71	0.82	1.56	0.60	0.62	0.7	94.8	200.6	17.42	20.08950	155.59955
8	4.2	3.25	0.53	0.64	0.41	0.38	1.6	91.6	177.5	13.8	20.08969	155.59967
9	6.0	5.07	0.7	0.64	0.34	0.42	1.6	94.2	188.6	4.9	20.08956	155.59976
10	6.38	5.28	0.27	0.70	0.43	0.63	1.7	93.0	173.7	26.1	20.08947	155.59979
11	7.88	7.67	0.48	0.96	0.62	0.51	2.1	93.1	190.3	23.1	20.08926	155.59990
12	5.47	3.32	0.51	1.97	0.55	0.49	3.8	98.0	204.8	8.73	20.08908	155.59984
13	4.19	3.83	0.67	0.60	0.46	0.51	1.3	91.7	281.1	19.33	NR	NR
14	7.61	5.63	1.75	0.77	0.70	0.60	0.9	91.4	282.6	20.35	20.08886	155.60005
15	7.98	6.68	0.57	1.37	0.32	0.48	2.5	89.7	218.3	31.63	20.08894	155.60031
16	4.98	3.30	0.50	0.48	0.56	0.44	0.9	93.0	178.2	53.80	20.08874	155.60049
17	7.61	5.65	2.2	0.43	0.44	0.42	1.5	97.4	196.3	24.91	20.08827	155.60054

LINE WAVE



SITE: Hukalooa downstream of trail cross
 DATE: July 17, 2002 and down stream of trail
 COMMENTS:

Site #	1 (m) BANK FULL WIDTH	2 (m) VERT WIDTH	3 (m) RIGHT SIDE DISTANCE	4 (m) LEFT SIDE DISTANCE	5 (m) LEFT VERT HEIGHT	6 (m) RIGHT VERT HEIGHT	7 (m) MAX DEPTH	8 INCLINATION TO NEXT	9 (m) BEARING TO NEXT	10 (m) RANGE TO NEXT	11 (m) GPS N	12 (m) GPS W	WAYPOINT
1	10.00	9.78	1.23	1.53	0.58	0.88	3.0 (ft)	67.3	63.0	19.28	can't get to that site.		
2	6.18	3.60	2.0	0.75	0.44	0.25	0.2	92.0	187.7	13.6	20.09094	155.59619	45
3	2.97	1.11	0.99	1.23	0.26	0.37	0.3	91.5	223.5	10.74	20.09045	155.59648	46
4		shot thru	MAIN	to next point		below fall/pool		87.8	281.3	80.62			
5*	11.51	11.50	0.43	0.43	0.43	0.43	3.1	94.6	187.8	17.24	20.09032	155.59654	47
6	4.57	2.32	1.13	1.92	0.19	0.41	0.2	93.1	213.4	13.47	20.09027	155.59650	48
7	11.04	11.19	0.51	0.73	0.53	0.37	3.6	103.2	194.2	9.03	20.09011	155.59650	49
8	5.12	0.77	2.38	2.70	0.56	0.36	0.3	90.8	195.2	12.57	20.09006	155.59659	50
9	6.48	3.83	2.24	0.92	0.23	0.47	1.2	92.3	201.2	37.67	20.09009	155.59682	51
10	2.62	1.93	0.34	1.07	0.44	0.35	0.6	90.9	161.1	37.18	20.08974	155.59686	52
11	5.05	3.20	1.31	0.66	0.44	0.58	0.4	90.1	161.0	23.5	20.08934	155.59676	53
12	4.73	2.92	1.51	0.69	0.13	0.44	0.4	90.8	146.9	19.37	20.08921	155.59677	54
13	4.75	1.72	0.71	2.01	0.82	0.29	0.3	90.9	118.7	27.33	20.08924	155.59682	55
14	4.89	2.61	1.23	1.25	0.27	0.38	0.5	90.2	118.3	27.19	no sat. reception		
15	5.28	1.87	2.47	0.82	0.39	0.35	0.4	90.8	134.3	40.92	" "		

* in pool
 2 kinds
 crayfish, swordtail, opae

SITE #	BANKFILL WIDTH (m)	WET WIDTH (m)	RIGHT SIDE SCORE DISTANCE (m)	Left slope Distance (m)	Left Vert distance	Right + Vert distance	MAX depth (ft/km)	Inclination to next	bearing to next	range to next	GPS N	GPS W	WAY POINT
1	8.10	7.64	0.216	0.85	0.39	0.34	1.8	90.5	230.0	27.75	20.10435	155.59567	059
2	9.41	2.93	0.82	5.87	0.94	0.78	2.7	96.2	182.1	19.21	Can't get	GPS	
3	10.10	9.75	0.48	0.35	0.33	0.49	2.0	90.5	162.9	52.67	20.10433	155.59717	060
4	6.75	6.36	0.55	0.71	0.6	0.34	2.3	91.8	139.1	67.43	GPS NO	GPS	
5	9.31	8.22	0.14	0.74	0.52	0.44	1.8	91.4	144.7	31.07	NO	GPS	
6	7.61	5.65	0.92	1.20	0.68	0.47	1.2	96.9	115.8	21.35	20.10246	155.59573	061
7								94.4	96.3	30.73			
8	14.10	10.62	2.50	0.93	0.69	0.46	1.2	End	last point in		Hiilave	Stream @ E bank	



SITE # Hiilave
 DATE: 7-20-03
 Location: upstream

of low water bridge

and other
 Start GPS, 2 days
 20.10457
 155.59576
 supplies

Site # 6
 in cascade
 below tea
 house

GPS
 WAY POINT