

Table 1 Habitat Characteristics of River Siang

Sl. No	Habitat Characteristics	Mebo	Bodak	Ranaghat	Pasighat	Pongging	Rottang
1	Stream Order	First Order	First Order	Second Order	Second Order	Third Order	Third Order
2	Valley Segment	Colluvial	Colluvial	Alluvial	Alluvial	Alluvial	Alluvial
3	Microhabitat Type	Fall with Fast Water	Fall with Fast Water	Cascade, MidChannel Pool	Run Sheet and Riffle	Mainly Run Sheet and Pool	Mainly Run Sheet and Pool
4	Cover Type	Overhanging Vegetation, Turbulence, Turbidity, Undercut bank and Depth Cover	Overhanging Vegetation, Bottom Free Boulders, Undercut bank and Depth Cover	Depth Cover, Over Hanging Vegetation, Bottom free Big Boulders	Depth Cover, Over Hanging Vegetation, Bottom free Big Boulders	Overhanging Vegetation, Depth and Small Woody Debris, Turbidity and Bottom Free Big Boulders	Overhanging Vegetation, Depth and Small Woody Debris and Turbidity
5	Substrate Type	Gravels, Cobbles, Boulders and Bed Rocks	Cobbles, Gravels, Bedrocks and Boulders	Fine Sand, Silt and Clay	Mainly Fine Sand, Cobbles and Gravels	Fine, Sand, Boulder and Bedrocks	Mainly Fine Sand, Bedrock and Boulders
6	Riparian Land Use	Dense Forest and Fishing	Dense Forest and Fishing	Mainly Human Habitation and Fishing	Human Habitation, Fishing and Industries	Human Habitation and Agriculture	Human Habitation And Agriculture
7	Signs of Erosion	Visible	Visible	Visible	Visible	Much Visible	Much Visible
8	Current Velocity (m/s)	5.08	5.01	2.01	1.56	0.87	0.78
9	Soil pH	6.43	6.78	7.00	7.87	7.88	7.97
10	Soil Moisture %	0.32	0.32	0.41	0.42	0.36	0.32
11	Bank Full Width (m)	55	70	150	168	280	358
12	Bank Full Depth (m)	14	13	22	34	28	29
13	Channel Width (m)	56.8	54	90	120	134	145
14	Channel Depth (m)	8	11	14	26	28	22
15	Wetted Width (m)	44-125	56-156	30-350	36-380	49-420	36-440
16	Wetted Depth (m)	10	12	24	26	30	26