Appendix 1

Table I: Rainfall in towns of the Alaknanda Basin, 2008

			Seasonal rainfall %			
Station name	Station altitude in meter	Annual rainfall in cm	Winter	Pre-Monsoon	Monsoon	Post-monsoon
Srinagar	550	92.5	16	17.7	58.8	8.5
Karnprayag	883	147.1	10.5	13.4	15.9	10.2
Okhimath	1578	199.4	8.8	11.3	71.3	8.6
Pauri	1630	130.3	14.8	14.7	61.5	9.0
Joshimath	1875	107.5	15.4	10.3	53.1	12.2

Source: Forest Working Plan, Nainital Working Circle, in The Alaknanda basin (Uttarakhand Himalaya): A Study on Enhancing and Diversifying Livelihood Options in an Ecologically Fragile Mountain Terrain by V.P.Sati, 2009.

Table II: Suspended sediment load (ha.m) at Chauldhoaghat in the Subansiri basin

Years	Total Suspended Sediment in ha.m
1974	3276.03
1975	2363.99
1976	1436.56
1977	626.09
1978	1695.613
1979	1968.89
1980	1223.57
1981	1223.51
1982	827.14
1983	1998.01
1984	889.707
1985	1651.84
1986	653.26
1987	2451.13
1988	1337.99
1989	903.305
1990	518.891
1991	1724.04

(Source: Brahmaputra Board, 2002)

Table III: Sediment load and Suspended sediment concentration in the Alaknanda basin for the year 2004-05

Months	SSC in mg/l (b)	Sediment load 10^6 ton
Jul-04	939	3.24
Aug-04	927	4.505
Sep-04	276	0.731
Oct-04	137	0.247
Nov-04	48	0.024
Dec-04	21	0.009
Jan-05	27	0.012
Feb-05	50	0.011
Mar-05	70	0.02
Apr-05	198	0.084
May-05	418	0.272
Jun-05	608	1.029

(Source: Chakrapani and Saini, 2009; Temporal and spatial variations in water discharge and sediment load in the Alaknanda and Bhagirathi Rivers in Himalaya, India)