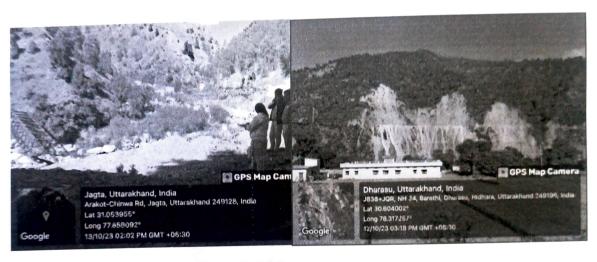
Field Visit Bhagirathi Valley (Rishikesh-Harsil)

A field visit was conducted from 10-14 October, 2023 in the Bhagirathi Valley. There are a total 39 most prominent known landslide locations between Rishikesh to Harsil, along with some locations found in the Yamuna Valley and along state highways. The state highway in Mori Block, Uttarakashi District, has some documented chronic landslides as well. THDC and BRO are now working on 16 out of the 39 landslides locations, while 23 still require work to be started. Information such as slide type, land status, priority level, dimension, and status, were gathered using a comprehensive framework or schema. The Arakot Chinwa landslip is particularly chronic and vulnerable, necessitating rapid treatment as per the field assessment.







S.no	Latitude	Longitude	Chainage	Landmark/Nearby Village	Type of Road	Villages	Type of Land	Status of work /DPR	Type of Slope Failure/Landslide /subsidence	Adjacent Land use	Photos
1	30.679966	78.230343		Banotpalla							
2	31.053546	77.857241	Chainage 3/28	Arakot chinwa	VR	MalanaTok	Reserve Forest		Rock fall and Subsidence		
3	31.054653	77.845286	Chainage 4/18				Revenue Land		Horticulture area cracks are developed around 2 to 2.5 mt rock scar developed. Road become narrow		
4	31.054613	77.84521	Chainage 5/19	Kotigaad Road	VR	Moldi village			Active landslide	Community + Road + Agriculture + Water Body	
5	30.694154	78.463257	Chainage 15.35	Bhatwari			Reserve Forest				
6	30.867991	78.654834	Chainage 55.25	Gagnani		Gagnani			Severe Rock fall	Vegetation dense	S

7	31.008175	78.708426	Chainage 35.120	SUKHI		Sukhi	THDC - 2014		- 1
8	30.755654	78.5715	Chainage 78.6						
9	30.814117	78.620354	Chainage 78.6	Jakhol	Boulder				
10	30.75486	78.56138	Chainage 79.5	laldang					
11	30.742642	78.49241	Chainage 87.70	Natala					
12	30.466424	78.371707	Chainage 98.9						
13	30.603995	78.317286	Chainage km2 1/2	Barethi Dharsau	MDR				
14	30.727029	78.41935	Chaiange 2.8	Manera Ground	MDR	Manera	500 mt Complete Patch	Drainage /stream	म

15	30.694154	78.463257	Chaiange 9 275	Sada Gadhera	VR	sada	Revenue & Private Community Private, Agriculture		Moderate Debris/ muck	water	
16	31.053445	77.855532	Chainage 10/17	Barnali Aarakot Chinwa Bridge					Heavy communities		4
17	30.606373	78.314562	Chainage 53	Sh -16 (Batheti - Banchauri - bhadrigaad)	SH	40 Villages connected		No take up	Active landslide		X
18	30.867991	78.654834	Chaiange 58.5	Tihar							3
19	30.442551	78.383251	Chalange 92.50	Rautli							
20	30.468266	78.373734	Chainage 98	Ojhanautar							-
21	30.284242	78.368357	Chainage 45	Khadi							1

	30.143734	78 289967	Chainage 11	Pathau			THDC	Rock fall boulder	
24	30 165669	78 294738	Chainage 18 26 18 46	Ranipokhti road also damaged		Reserve forest	THDC		
74	30 165973	78 294951	Chainage 18 46	Pater					
25	30.165964	78.294927	Chainage 21.9 to 22.07			Reserve forest		Cohision less, sandy stone type	5-
26	30.284242	78.368357	Chainage 43.5	Khadibander		Private Land + Revenue Land	THDC	Road Shrinking & Co Most priors charonically	ommunity
27	30.264888	78.36882	Chainage 41.16	Jajal	Jajal				of the
28	30.145042	78.285241	Chainage 10.3	Chamba	Chamba	Reserve forest		Big Rock boulder & Active Landslide	-
29	30.1441.28	78 287147	Chainage 10.75	Chamba					
30	30.082898	78.246369	Chainage 6.6	Bhattowala					~~

	ST SERDIA	76 305,666	Chainage 61 77	Chamba				
		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	C. constitution (C.)	Chamba				Lill
	वर्ग यह न्या	TR TOLLAND	Chairage 61	Chamba tunnel	Unilýaligalo			54
			Chainage 82 87	Nathogaad				(Vine
d.	90 多 利的 安克	78 367021	Chainage 56	Haswangao			River Blockage in future and also road Damaged	
7.	90.325867	78.362	Chainage 52	Batoshain				-1-
R	30.814111	78 620354	Chainage 60.200	Helgu	Helgu		Rack boulder	t
	31.053607	77.857404	Chainage 3/28 to B/21	Tikochi	Tikochi		Rock fall Subsidence 2019 august cloud burst & after which soil erosion expedite	
30	31.08 12.26	77 51 27 4 0	Chainage 13.550	Chiwa	Chinwa	Reserve Forest	Landslide effected due to Cloud burst	

39	31.053443	77.855485	Chaninage 10/17	Jagta village	Jagta		Landslide, Drainage problem		
40	30.694154	78.463257	Chainage 9.3			Reserve Forest	Active landslide 2023		
41	30.145	78.285328	Chainage 10.600 to 10.75				Active landslide, loose material, debris fall, mass failure		
42	30.264888	78.36882	Chainage 32				Shrinking zone approx 100 mt		and the second second
43	30.264888	78.36882	Chainage 43.06/ 43.170	Khari Market		Revenue Land		Community	*

Dr. Anju Rawat Environmental Expert Sachin Kumar Q.C. Engineer. Pal Singh Surveyor