

Table S1

SAMPLING PERFORMA FOR FOREST FIRE DATA  
GENERAL DESCRIPTION

Organization		Plot Size:	Date:		Latitude in (D M S)	
Plot no.			Time:		Longitude in (D M S)	
Slope: Flat/ Gentle/ High/ Very High	Aspect N E S W	Elevation (m):	District:	Division:	Range:  Block:	Top Soil condition:  Wet/Dry
Whether fire scar obtained on ground surface (Y/N)- (Photo no.....)		Whether fire scar observed on trees (boles)(Y/N) (Photo no...)  Height of the fire (from the surface)scar on the bole (cm)	Photo No. (litter)	Photo no. (shrub) in the plot central	Photo no. (overview of the plot; centre tree is visible in the photo taken from the plot corners)	Photo no. (canopy cover (vertical to plot centre)
Photo no. Photos describing general fuel arrangements inside the plot (including stories)		General observations by the investigator:				
Canopy closure in percent 10-30 (OPEN) 30-50 (MODERATE) 50-70 (HIGH) 70-80 (VERY HIGH) 80-100 (CLOSED)						

TREES (above 20cm)

S.N.	Tree Name	Bole Girth (CBH) (cm)	Tree Ht. (m)	Canopy diameter (length)(m)	Canopy base height (m)
1					
2					
3					
4					
....					

SHRUBS in the centre of the plot (5m×5m)

Shrub name	No. of individuals	Average Height of shrubs (m)	Average girth of the shrubs (cm)

SURFACE DEAD FINE FUEL SAMPLING (1m×1m plot)

1h Fuel (diameter ≤ 0.64 cm) (Fine fuels)

Quadrat No. (1m×1m)	Wet sample weight (on field) in grams	Fuel bed depth (cm)	Average length (cm)	No. of individuals	Oven dried weight (grams)
1					
2					
3					
4					
5					

10h Fuel (diameter ≤ 2.54 cm)

Quadrat No. (1m×1m)	No. of individuals	Average length (cm)	Wet sample weight (on field) in grams	Oven dried weight (grams)
1				
2				
3				
4				
5				

100h Fuel (diameter  $\leq 7.62$  cm)

Quadrat No. (1m $\times$ 1m)	No. of individuals	Average length (cm)	Wet sample weight (on field) in grams	Oven dried weight (grams)
1				
2				
3				
4				
5				

Litter

Quadrat No. (1m $\times$ 1m)	Wet sample weight (on field) in grams	Oven dried weight (grams)
1		
2		
3		
4		
5		

Grassland

Quadrat No. (1m $\times$ 1m)	Grass name	Wet sample weight (on field) in grams	Height of the grass (m)	Oven dried weight (grams)
1				
2				
3				
4				
5				

Dead Shrubs sample

Quadrat No. (1m $\times$ 1m)	Shrub name (if not possible to identify write type 1 type 2 etc..)	No. of individuals		Average Height of the shrubs (m)	Average girth of the shrubs (cm)	Wet weight of the dead shrubs (grams)	Oven dried weight of dead shrub
		Dead	Live				
1							
2							
3							
4							
5							

1000h Fuel (diameter > 7.62 cm) (Coarse woody debris (CWD))

(Field scientists need to visually see the large size debris and take the samples); More 1m \* 1m samples may be laid down in the field if field scientists feels it appropriate)

Quadrat No. (1m×1m)	SN	Sample length (cm) (till the quadrat boundary)	CBH of small end (cm) (till the quadrat boundary)* *Write diameter if CBH reading is not possible.	CBH of large end (cm) (till the quadrat boundary)* *Write diameter if CBH reading is not possible.	Decay class (1 to 4); 1 is no decay and 4 is very highly decayed

Table S2

24 Hours fire burning statistic for Maltim region of North Sikkim

TIME (UTC)	Hour	Percent burnt area	Burn percent (Open Scrub)	Burn percent (Dense Scrub)	Burn percent (Forest)	Mean elevation (meter)	Mean slope (Degree)
900hrs-270123	1	6.88	4.97	19.12	0.00	2675	35.73
1000hrs-270123	2	24.13	21.43	48.20	0.15	2733	38.61
1100hrs-270123	3	15.05	16.59	12.91	4.42	2616	41.22
1200hrs-270123	4	9.17	10.39	4.45	7.19	2315	39.64
1300hrs-270123	5	7.89	9.63	2.18	2.80	2269	42.96
1400hrs-270123	6	9.17	11.17	3.17	2.18	2280	42.87
1500hrs-270123	7	9.17	11.26	1.74	4.29	2242	38.54
1600hrs-270123	8	5.87	6.29	4.77	4.10	2064	37.22
1700hrs-270123	9	2.75	1.84	1.21	14.93	2094	34.27
1800hrs-270123	10	1.74	1.58	0.54	5.85	2069	36.89
1900hrs-270123	11	3.58	3.45	0.23	11.88	2062	35.44
2000hrs-270123	12	2.02	1.34	1.01	10.76	2145	34.48
2100hrs-270123	13	0.09	0.00	0.01	1.17	3125	40.83
2200hrs-270123	14	0.37	0.00	0.00	4.73	1747	27.91
2300hrs-270123	15	0.46	0.00	0.01	5.89	2835	40.02
0000hrs-280123	16	0.28	0.01	0.00	3.48	1924	31.73
0001hrs-280123	17	0.37	0.00	0.15	4.41	2407	30.07
0002hrs-280123	18	0.09	0.00	0.00	1.18	1739	19.27
0003hrs-280123	19	0.00	0.00	0.00	0.00	1739	30.61
0004hrs-280123	20	0.46	0.06	0.15	4.99	2360	33.47
0005hrs-280123	21	0.09	0.00	0.15	0.87	3152	23.38
0006hrs-280123	22	0.28	0.00	0.00	3.55	2355	21.14
0007hrs-280123	23	0.09	0.00	0.00	1.18	1739	34.00
0008hrs-280123	24	0.00	0.00	0.00	0.00	1739	34.00