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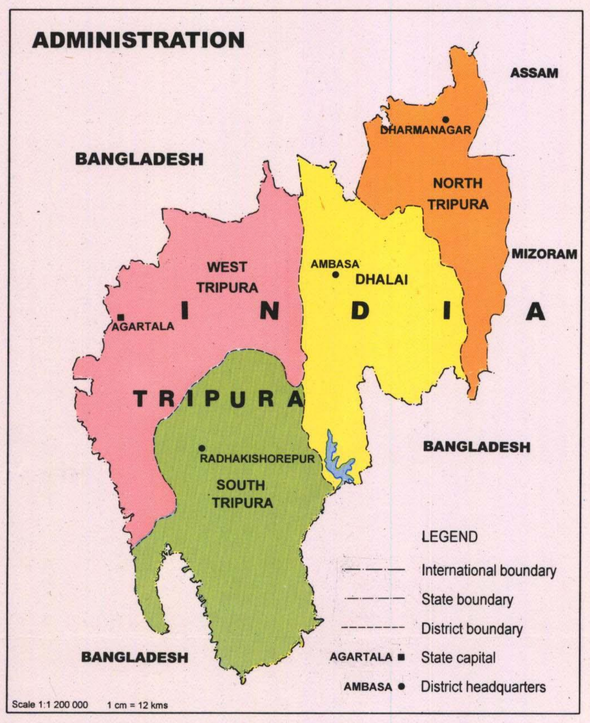
LEGEND

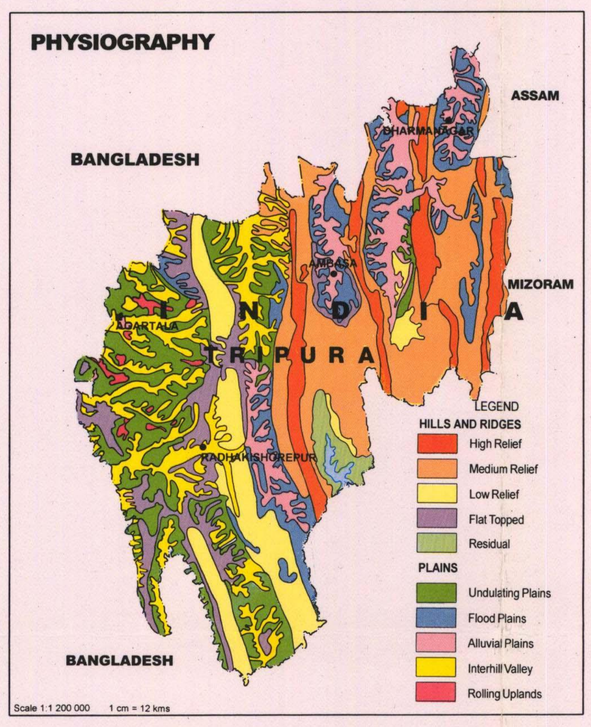
Map Unit	Description	Soil Taxonomy*	Area(in '000 ha) (%)**
1	2	3	4
	SOILS OF HIGH RELIEF STRUCTURAL HILLS (SAND STONES)		
1	Deep, somewhat excessively drained, loamy skeletal soils on very steeply sloping side slopes of high relief structural hills having loamy surface with very severe erosion hazard and moderate stoniness under moderately dense forest: *associated with:* Deep to very deep, well drained, fine loamy soils on steeply sloping ridges with severe erosion hazard under moderately dense forest.	O *Loamy skeletal Typic Dystrochrepts* O *Fine loamy Typic Dystrochrepts*	32.9 (3.1)
2	Deep to very deep, somewhat excessively drained, fine loamy skeletal soils on steeply sloping hill summits having loamy surface with very severe erosion hazard and moderately dense forest with 10-25% jhum cultivation; *associated with:* Deep, somewhat excessively drained, fine loamy soils on side slopes of high relief structural hill with severe erosion hazard and slight stoniness.	O *Fine loamy Typic Udorthents* O *Fine loamy Typic Dystrochrepts*	42.6 (4.1)
3	Deep, well drained, loamy skeletal soils on steeply sloping side slopes of high relief structural hills having loamy surface with very severe erosion hazard and moderate stoniness, under open degraded forest with 25-50% area under jhum cultivation; *associated with:* Deep to very deep well drained, fine loamy soils on moderately steeply sloping hill summit with severe erosion hazard and slight stoniness.	O *Loamy skeletal Typic Dystrochrepts* O *Fine loamy Typic Haplumbrepts* O *Fragmental Lithic Udorthents*	10.9 (1.0)
	SOILS OF MEDIUM RELIEF PARALLEL RIDGES (SHALES AND SILTSTONES)		
4	Deep to very deep, well drained, fine loamy soils on steeply sloping moderately dissected side slopes of ridges having loamy surface with severe erosion hazard under dense forest with 10-25% area under jhum cultivation; *associated with:* Deep, somewhat excessively drained, fine loamy soils on moderately steeply sloping ridge top with moderate erosion hazard and slight stoniness.	O *Fine loamy Typic Hapludults* O *Fine loamy Umbric Dystrochrepts*	63.1 (6.0)
5	Very deep, excessively drained, coarse loamy soils on the slopes of moderately sloping medium relief having loamy surface with severe erosion hazard under moderately dense forest; *associated with:* Deep, well drained, loamy over sandy soils on the moderately sloping side slopes of the hills with moderate erosion hazard.	O *Coarse loamy Typic Udorthents* O *Loamy over sandy Typic Dystrochrepts* O *Fine loamy Typic Dystrochrepts*	20.2 (1.9)
6	Deep, well drained, fine loamy soils on the side slopes of parallel ridges, moderately steeply sloping having loamy surface with severe erosion hazard under moderately dense forest with 10-25% area under jhum cultivation; *associated with:* Moderately deep, well drained coarse loamy over sandy soils on the steeply sloping side slopes of the hills with moderate erosion hazard.	O *Fine Typic Dystrochrepts* O *Coarse loamy over sandy Typic Udorthents* O *Fine loamy Typic Haplumbrepts*	58.8 (5.6)
7	Very deep, well drained, fine loamy soils on the moderately steeply sloping hill top having loamy surface with severe erosion hazard under moderately dense forest with 25-50% area under jhum cultivation; *associated with:* Shallow, well drained, fragmental soils on very steeply sloping parallel ridges, with very severe erosion hazard and severe stoniness.	O *Fine loamy Typic Dystrochrepts* O *Fragmental Lithic Udorthents* O *Fine loamy Typic Haplumbrepts*	39.6 (3.8)
8	Deep to very deep, excessively drained, fine loamy soils on the moderately sloping side slopes of medium relief parallel ridges having loamy surface with severe erosion hazard and slight stoniness under open degraded forest with 10-25% area under jhum cultivation; *associated with:* Deep, well drained, fine loamy soils on moderately sloping hill top with moderate erosion hazard.	O *Fine loamy Typic Dystrochrepts* O *Fine loamy Typic Haplumbrepts* O *Coarse loamy Typic Udorthents*	23.4 (2.2)
	SOILS OF LOW RELIEF STRUCTURAL HILLS AND RIDGES (SHALES)		
9	Deep, somewhat excessively drained, fine loamy soils on the steeply sloping hill top having loamy surface with severe erosion hazard under dense forest; *associated with:* Moderately deep, excessively drained, coarse loamy soils on steeply sloping side slopes of hill with severe erosion hazard and slight stoniness.	O *Fine loamy Typic Dystrochrepts* O *Coarse loamy Typic Udorthents* O *Fine loamy Typic Hapludults*	10.2 (1.0)
10	Deep to very deep, well drained, fine loamy soils on the moderately steeply sloping hill top having loamy surface with moderate erosion hazard under moderately dense forest; *associated with:* Deep, well drained, fine loamy soils on the gently sloping side slopes with modrate erosion hazard.	O *Fine Typic Dystrochrepts* O *Fine loamy Typic Dystrochrepts* O *Fine loamy Typic Paleudults*	31.2 (3.0)
11	Very deep, somewhat excessively drained, coarse loamy soils on moderately steeply sloping hill slopes having loamy surface with severe erosion hazard under moderately dense forest with 10-25% area under jhum cultivation; *associated with:* Very deep, well drained, fine loamy soils on moderately sloping hill top with moderate erosion hazard.	O *Fine loamy Typic Udorthents* O *Fine loamy Typic Haplumbrepts* O *Fine loamy Umbric Dystrochrepts*	3.6 (0.4)
12	Very deep, well drained loamy skeletal soils on steeply sloping side slopes of ridges having loamy surface with moderate erosion hazards and moderate stoniness under dense forest with 25-50% area under jhum cultivation; *associated with:* Deep, well drained, fine loamy soils on moderately sloping side slopes with moderate erosion hazards.	O *Loamy skeletal Umbric Dystrochrepts* O *Fine loamy Typic Dystrochrepts*	24.4 (2.3)
13	Moderately deep, somewhat excessively drained coarse loamy soils on moderately steeply sloping side slopes of ridges having loamy surface with severe erosion hazard under open degraded forest with 25% area under jhum cultivation; *associated with:* Deep, well drained, fine loamy soils on moderately sloping hill tops with moderate erosion hazards.	O *Coarse loamy Typic Udorthents* O *Fine loamy Umbric Dystrochrepts* O *Fine loamy Typic Dystrochrepts*	16.5 (1.6)
14	Deep to very deep, well drained, fine loamy soils on moderately steeply sloping side slopes of low relief hills having loamy surface with severe erosion hazard under open degraded forest with 50-75% area under jhum cultivation; *associated with:* Deep somewhat excessively drained, coarse loamy soils on moderately sloping ridge tops with severe erosion hazard.	O *Fine Typic Dystrochrepts* O *Coarse loamy Typic Udorthents* O *Fine loamy Umbric Dystrochrepts*	0.7 (0.1)
	SOILS OF FLAT TOPPED DENUDATION HILLS		
15	Deep, well drained, fine loamy soils on moderately sloping flat topped denudation hills having clay loam surface with moderate erosion hazard; *associated with:* Deep, well drained, fine loamy soils on gently sloping flat topped denudation hills having clay loam surface with moderate erosion hazard.	O *Fine loamy Typic Kandiudalfs* O *Fine loamy Typic Dystrochrepts* O *Fine loamy Umbric Dystrochrepts*	51.7 (5.0)
16	Deep, well drained, fine loamy soils on moderate to gently sloping flat topped denudation hills having clay loam surface with moderate erosion hazard; *associated with:* Deep, imperfectly drained, fine loamy soils on gently sloping hill top with moderate erosion hazards.	O *Fine loamy Typic Kandiudults* O *Fine loamy Aquic Dystrochrepts* O *Fine Typic Dystrochrepts*	25.4 (2.4)
	SOILS OF LOW LYING RESIDUAL HILLS WITH VALLEY		
17	Deep, well drained, coarse loamy soils on gently sloping low lying residual hills having sandy loam surface with moderate erosion hazard; *associated with:* Very deep, well drained, fine loamy soils on the moderately sloping low lying residual hills with moderate erosion hazards.	O *Coarse loamy Typic Dystrochrepts* O *Fine loamy Typic Hapludalfs* O *Clay skeletal Typic Dystrochrepts*	7.9 (0.8)
18	Deep, well drained, fine loamy soils on moderately sloping low lying residual hills having clay loam surface with moderate erosion hazard; *associated with:* Very deep, imperfectly drained, coarse loamy soils on gently sloping narrow interhill basin under poor to moderate cultivation of paddy.	O *Fine loamy Typic Dystrochrepts* O *Coarse loamy Aquic Udorthents* O *Fine loamy Aquic Dystochrepts*	4.8 (0.5)
	SOILS OF UNDULATING PLAINS WITH LOW MOUNDS AND NARROW VALLEYS		
19	Deep, moderately well drained, fine loamy soils on gently to moderately sloping undulating plains with low mounds having clay loam surface with moderate erosion hazards; with cultivation in patches; *associated with:* Moderately shallow, poorly to imperfectly drained, fine loamy soils on very gently sloping narrow valleys with slight flooding hazard and slight erosion hazard generally under paddy cultivation.	O *Fine loamy Typic Dystrochrepts* O *Fine loamy Typic Epiaquepts* O *Coarse loamy Typic Dystrochrepts*	39.2 (3.7)
20	Deep, well drained, fine loamy soils on gently to moderately sloping undulating plains with low mounds having loamy surface with moderate erosion hazard mostly under moderately dense forest; *associated with:* Very deep, well drained, coarse loamy over sandy soils on side slopes of moderately sloping low mounds, with moderate erosion hazard mostly under forest.	O *Fine Typic Dystrochrepts* O *Coarse loamy over sandy Typic Dystrochrepts* O *Fine loamy Typic Hapludults*	6.0 (0.6)
21	Deep, moderately well drained, fine loamy soils on gently sloping undulating plains with low mounds having loamy surface with moderate erosion hazard; *associated with:* Deep to very deep, poorly to imperfectly drained, fine loamy soils with slight erosion hazards on nearly level narrow valleys under paddy cultivation.	O *Fine loamy Typic Dystrochrepts* O *Fine loamy Aquic Dystrochrepts* O *Fine loamy Oxyaquic Dystrochrepts*	130.0 (12.4)
22	Deep, moderately well drained, fine loamy soils on gently to moderately sloping undulating plains with low mounds having loamy surface with moderate erosion hazard under open forest with 25-50% areas under jhum cultivation; *associated with:* Deep to very deep, imperfectly drained, fine loamy soils with slight erosion hazard on very gently sloping to nearly level narrow valleys under cultivation.	O *Fine loamy Typic Dystrochrepts* O *Fine loamy Oxyaquic Dystrochrepts* O *Coarse loamy Typic Udorthents*	12.0 (1.0)
23	Moderately deep, well drained, fine loamy soils on moderately sloping undulating plains with low mounds having loamy surface with moderate erosion hazard under degraded forest with 50-75% areas under jhum cultivation; *associated with:* Deep to very deep, imperfectly to poorly drained, fine silty over sandy soils on level to nearly level narrow valley under paddy cultivation with slight erosion hazard.	O *Fine Typic Kandiudults* O *Fine silty over sandy Aquic Dystrochrepts* O *Coarse loamy Typic Udorthents*	9.0 (0.8)
24	Very deep, moderately well drained fine loamy soils on gently sloping low lands having loamy surface with moderate erosion hazard under cultivation; *associated with:* Very deep, poorly drained, fine loamy soils on level to nearly level narrow valley with slight erosion hazard mostly under paddy cultivation.	O *Fine loamy Oxyaquic Dystrochrepts* O *Fine loamy Aquic Udorthents*	1.9 (0.2)
25	Very deep, well drained, fine loamy soils on gently sloping low mounds having loamy surface with moderate erosion hazard under cultivation; *associated with:* Very deep, well drained, fine loamy soils on gently sloping low mounds with moderate erosion hazard.	O *Fine loamy Typic Kandiudults* O *Fine loamy Umbric Dystrochrepts* O *Fine loamy Typic Dystrochrepts*	3.5 (0.3)
	SOILS OF INTER HILL VALLEY		
26	Deep, moderately well drained, clayey soils on the upland of gently to very gently sloping interhill valleys having fine loamy surface with moderate to slight erosion hazard; *associated with:* Very deep, imperfectly drained, fine loamy soils on very gently sloping narrow interhill valleys with slight erosion hazard under paddy cultivation.	O *Fine Typic Dystrochrepts* O *Fine loamy Aquic Dystrochrepts* O *Fine loamy Typic Epiaquepts*	26.6 (2.5)
27	Very deep, well drained, fine loamy soils on the upland of gently to very gently sloping interhill valleys having clay loam surface with moderate erosion hazard under moderately dense forest with 10-25% areas under jhum cultivation; *associated with:* Very deep, well drained, fine loamy soils on genly sloping interhill valleys with moderate erosion hazards.	O *Fine loamy Typic Haplumbrepts* O *Fine loamy Typic Dystrochrepts*	19.2 (1.8)
28	Deep, well drained, fine loamy soils on the upland of gently to very gently sloping interhill valleys having coarse loamy surface with moderate erosion hazard; *associated with:* Very deep, poorly drained, fine silty soils on very gently sloping narrow interhill valleys with occasional flooding hazard and slight erosion hazard.	O *Fine loamy Fluventic Umbric Dystrochrepts* O *Fine silty Typic Epiaquepts*	8.3 (0.8)
29	Deep, well drained, fine loamy soils on the upland of gently to very gently sloping interhill valleys having fine loamy surface with moderate erosion hazard; *associated with:* Very deep, well drained, coarse loamy soils on the upland of gently sloping interhill with moderate erosion hazard.	O *Fine loamy Typic Dystrochrepts* O *Coarse loamy Typic Dystrochrepts* O *Fine loamy Typic Hapludalfs*	86.2 (8.2)
30	Deep, well drained, fine loamy soils on the upland of gently to very gently sloping interhill valleys having clay loam surface with moderate erosion hazard; *associated with:* Very deep, well drained, coarse loamy soils on gently sloping interhill valleys with moderate erosion hazard.	O *Fine loamy Typic Dystrochrepts* O *Coarse loamy Typic Dystrochrepts* O *Coarse loamy Typic Udorthents*	6.8 (0.7)
31	Deep, well drained, fine loamy soils on the upland of gently to very gently sloping interhill valleys having clay loam surface with moderate erosion hazard; *associated with:* Very deep, well drained, coarse loamy soils on gently sloping interhill valleys with moderate erosion hazard.	O *Fine loamy Typic Dystrochrepts* O *Coarse loamy Typic Dystrochrepts* O *Fine loamy Typic Hapludults*	10.4 (1.0)
32	Deep, poorly to imperfectly drained, coarse loamy soils on gently to very gently sloping interhill valley having sandy loam surface with moderate erosion hazard and occasional flooding hazard under intensive cultivation; *associated with:* Very deep, well drained, clayey soils on the upland of gently sloping interhill valleys with moderate erosion hazard.	O *Coarse loamy Aquic Udorthents* O *Fine Typic Dystrochrepts*	1.5 (0.1)
33	Deep, imperfectly drained, coarse loamy soils on gently to moderately gently sloping interhill valleys having sandy loam surface with moderate erosion and occasional flooding hazard under intensively cultivated land with 25-50% land under jhum cultivation; *associated with:* Very deep, poorly drained, fine loamy soils on gently sloping interhill valleys with slight erosion and occasional flooding hazard.	O *Coarse loamy Aeric Fluvaquents* O *Fine loamy Aquic Dystrochrepts*	1.0 (0.1)
34	Moderately deep, imperfectly drained, fine loamy soils on gently sloping interhill valleys having clay loam surface with occasional flooding and slight erosion hazard under poorly to moderately cultivated land; *associated with:* Very deep, moderately well drained, coarse loamy soils on gently sloping interhill valleys with occasional flooding hazard and slight erosion hazard.	O *Fine loamy Aquic Dystrochrepts* O *Coarse loamy Fluventic Dystrochrepts*	7.4 (0.7)
	FLOODPLAIN SOILS		
35	Deep, imperfectly to poorly drained, fine loamy soils on very gently sloping alluvial plain having loamy surface with moderate to severe flooding hazard and slight erosion hazard under intensive cultivation; *associated with:* Very deep, very poorly drained, fine loamy soils on gently sloping alluvial plain having loamy surface with moderate to severe flooding hazard.	O *Fine Aeric Epiaquepts* O *Fine loamy Typic Epiquepts*	12.1 (1.1)
36	Deep, imperfectly to poorly drained, fine loamy soils on very gently sloping alluvial plain having loamy surface with moderate to severe flooding hazards and slight erosion hazard under intensive cultivation; *associated with:* Very deep, very poorly drained, fine loamy soils on very gently sloping alluvial plain with moderate to severe flooding hazards.	O *Fine loamy Aeric Epiaquepts* O *Fine loamy Typic Epiaquepts* O *Sandy over loamy Typic Epiaquepts*	29.7 (2.8)
37	Very deep, imperfectly drained, clayey soils developed on very gently sloping alluvial plain having silty clay surface with moderate flooding hazard and slight erosion hazard under intensive cultivation; *associated with:* Very deep, very poorly drained, clayey soils very gently sloping alluvial plain with moderate flooding hazards.	O *Fine loamy Aquic Dystrochrepts* O *Fine Typic Epiaqeupts* O *Fine loamy Aquic Dystrochrepts*	1.9 (0.2)
38	Very deep, imperfectly drained coarse loamy soils on gently sloping alluvial plain having sandy loam surface with occasional flooding hazard and slight erosion hazard under moderate cultivation; *associated with:* Very deep, imperfectly drained fine loamy soils on gently sloping alluvial plain with occasional flooding hazard.	O *Coarse loamy Aeric Epiaquents* O *Fine loamy Aquic Dystrochrepts* O *Typic Udipsamments*	1.0 (0.1)
39	Deep, very poorly drained, clayey soils on very gently sloping floodplain having silty clay surface with severe to very severe flooding hazard and slight erosion hazard under intensive cultivation; *associated with:* Very deep, imperfectly drained, fine silty soils on very gently sloping flood plain with severe to very severe flooding hazard.	O *Fine loamy Typic Epiaquepts* O *Fine loamy over sandy Typic Epiaquepts*	13.2 (1.2)
40	Very deep, very poorly drained, clayey soils on very gently sloping floodplain having clay loam surface with severe flooding hazard and very slight erosion hazard; *associated with:* Very deep, poorly to very poorly drained, fine loamy soils.	O *Fine Typic Epiaquepts* O *Fine loamy Typic Epiaquepts* O *Coarse loamy over sandy Fluvaquentic Dystrochrepts*	32.6 (3.1)
41	Very deep, moderately well to imperfectly drained, fine loamy soils on very gently sloping floodplain having clay loam surface with moderate flooding hazard and very slight erosion hazard under moderate cultivation; *associated with:* Very deep, moderately well drained, clayey soils on very gently sloping flood plain with occasional flooding hazard.	O *Fine Aquic Dystrochrepts* O *Fine Oxyaquic Dystrochrepts* O *Fine Aquic Dystrochrepts*	72.9 (7.0)
42	Very deep, poorly to very poorly drained, fine loamy soils on very gently sloping floodplain having clay loam surface with moderate to severe flooding and very slight erosion hazard under moderate cultivation; *associated with:* Very deep, poorly drained, fine loamy soils on very gently sloping floodplain with moderate to severe flooding hazards.	O *Fine Typic Epiaquepts* O *Fine loamy Aeric Eqiaquepts*	35.9 (3.5)
	SOILS OF ROLLING UPLANDS		
43	Very deep, well drained, fine loamy soils on moderately to gently sloping rolling uplands having clay loam surface with moderate to severe erosion hazard under degraded forest; *associated with:* Very deep, well drained, fine loamy soils on moderately sloping rolling uplands under moderate erosion hazard.	O *Fine loamy Typic Haplumbrepts* O *Fine loamy Pachic Haplumbrepts* O *Fine Typic Dystrochrepts*	7.5 (0.8)
	Waterbodies		5.4 (0.5)

* By and large the mineralogy class is mixed and the soil temperature class is hyperthermic in all the taxonomic names. The first two are major soils and the third one is inclusion

ADMINISTRATION



PHYSIOGRAPHY



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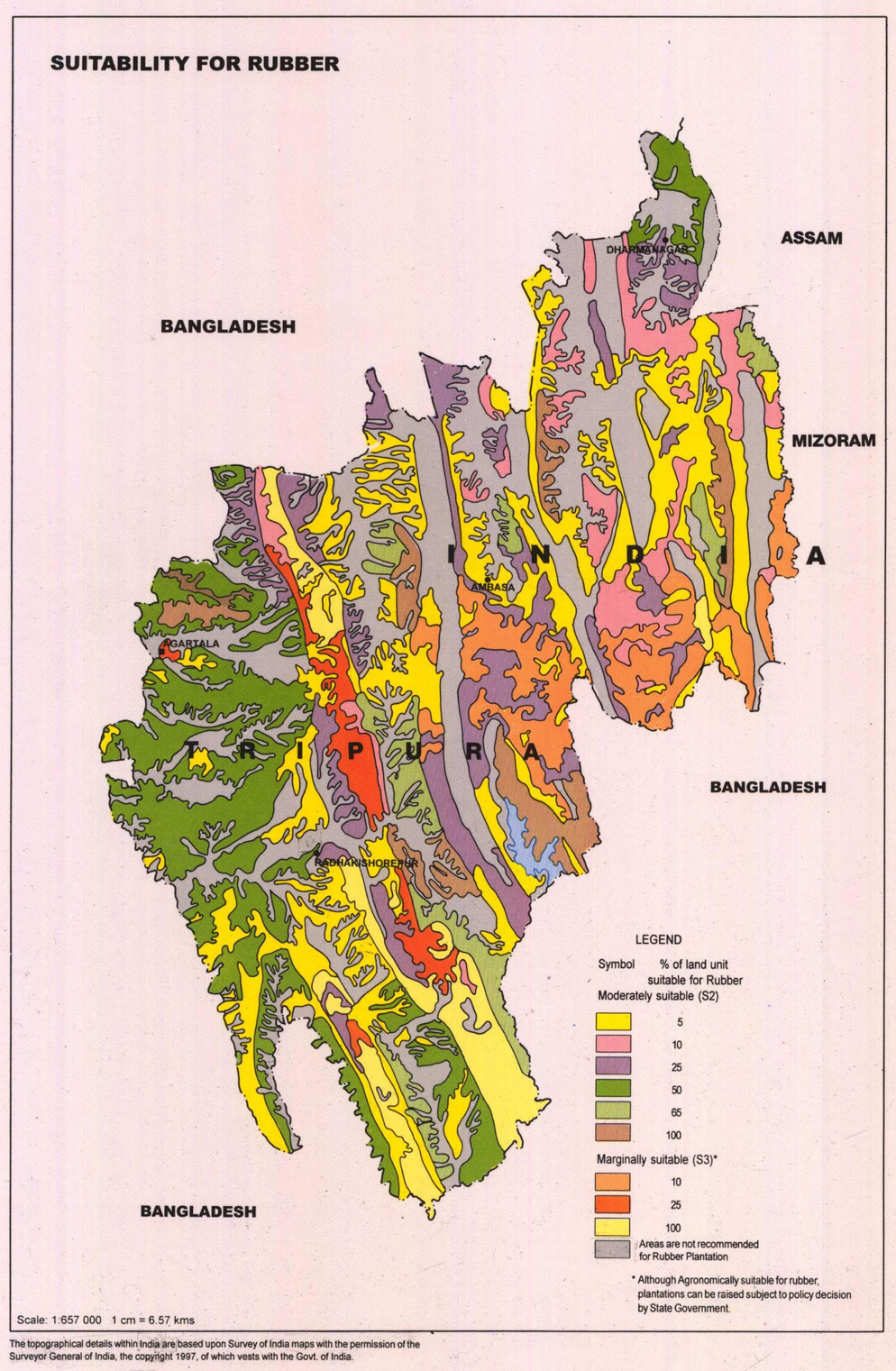
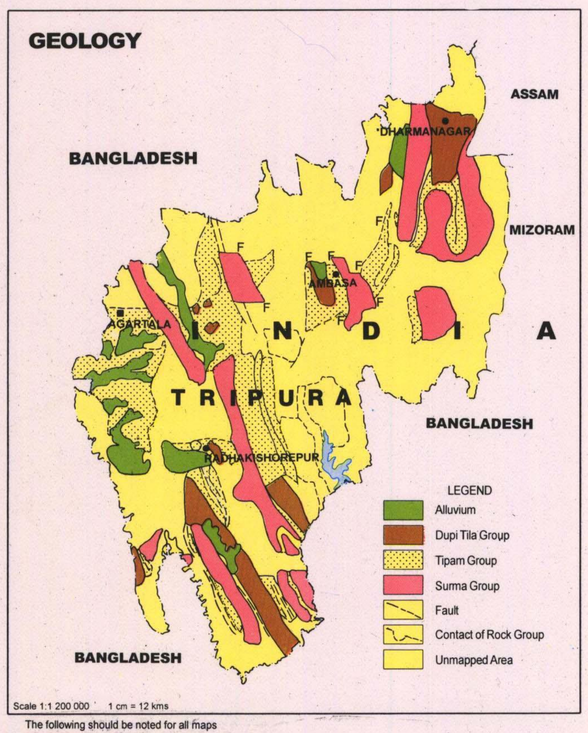
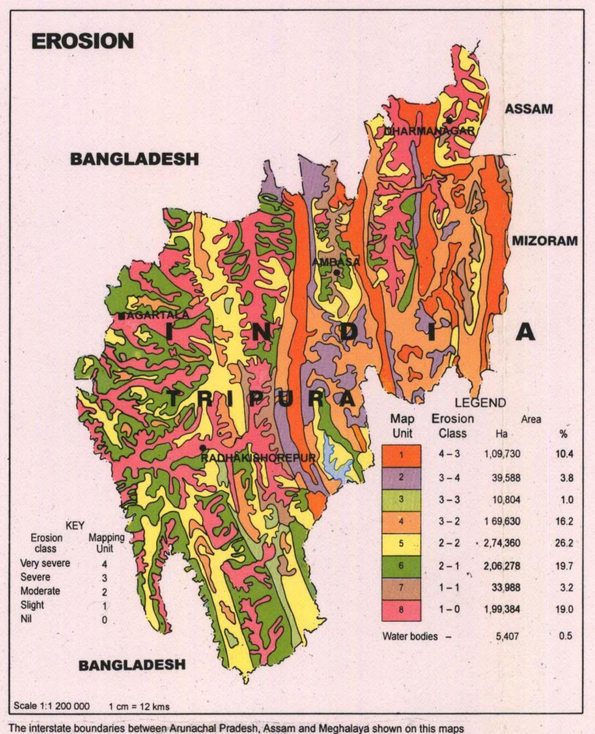


GEOLOGY



EROSION



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