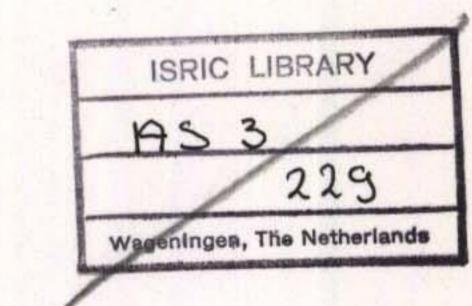
S	hee	t 1	- 10				
		LEGEN	1D				
	Map	Description		Taxonomic nan	ne*	Area '000 ha (%)	
	SOILS OF EASTERN HIMALAYAS (Me) Hills and side slopes (MeC) (Brown forest soils)						
	W001	Shallow, excessively drained, gravelly loamy soils1** occurring	0	Loamy skeletal, Lithic Udorthen		20.5 (0.23)	
	WOOT	on very steep side slopes with gravelly loamy surface and severely eroded, associated with rock outcrops.	0	Rock outcrops			
	W002	Moderately shallow, excessively drained, coarse loamy soils occurring on steep side slopes with gravelly loamy surface, severe erosion and strong rockiness associated with moderately shallow wall drained gravelly	0	Coarse loamy, Typic 'Udorthent Loamy-skeletal, Typic Dystrochr		110.5 (1.24)	
		shallow, well drained, gravelly loamy soils² with loamy surface and moderate erosion Deep, well drained, fine loamy	0	Fine loamy,		20.9	
	W003	soils ² occurring on steep side slopes with gravelly loamy surface, moderate erosion and moderate rockiness, associated with moderately shallow, excessively drained, coarse loamy soils ¹ with loamy surface, severe erosion and	0	Coarse loamy, Typic Udorthent		(0.24)	
	W004	moderate rockiness Moderately shallow, well drained, gravelly loamy soils² occurring on steep side slopes with gravelly	0	Loamy-skeletal, Typic Haplumbr		40.9 (0.46)	
		loamy surface, moderate erosion and moderate rockiness associated with moderately shallow, somewhat excessively drained, gravelly loamy soil with loamy surface, moderate erosion and moderate rockiness	0	Loamy-skeletal, Typic Udorthent	ts		
	W005	Moderately shallow, somewhat excessively drained, coarse loamy soils¹ on gently sloping side slopes with gravelly loamy surface, moderate erosion and slight rockiness	0	Coarse loamy, Typic Udorthent	s	14.5 (0.16)	
		associated with deep, well drained, fine loamy soils2 with loamy surface and slight erosion	0	Fine loamy Fluventic Dystrochrepts			
		OILS OF INDO-GANGETIC lain (Ap) (Terai soils)	ALI	UVIAL PLAIN	I (A)		
	W006	Very deep, imperfectly drained, coarse loamy soils occurring on very gently sloping upper	0	Coarse loamy, Umbric Dystroci	hrepts	75.4 (0.85)	
		piedmont plains with loamy surface and moderate erosion associated with very deep, imper- fectly drained, fine loamy soils ²	0	Fine loamy, Fluventic Dystroc	chrepts		
	W007	Very deep, imperfectly drained, fine loamy soils ² occurring on very gently sloping lower piedmont plain with loamy surface and moderate erosion	0	Fine loamy, Fluventic Eutroc	hrepts	175.6 (1.98)	
		associated with very deep, imperfectly drained, coarse loamy soils¹ Very deep, poorly drained, coarse loamy soils¹ occurring on level to	0	Coarse loamy, Aquic Udifluvent Coarse loamy,		128.8 (1.45)	
	W008	nearly level lower piedmont plain with loamy surface associated with very deep, poorly drained, coarse loamy soils¹	0	Coarse loamy, Typic Fluvaquer		(1.45)	
	W009	Very deep, imperfectly drained, coarse loamy soils¹ occurring on nearly level lower piedmont plain with loamy surface associated with very deep, imper-	0	Coarse loamy, Aquic Udifluven Fine loamy,	ts	48.2 (0.54)	
		fectly drained, fine loamy soils ²		Fluventic Eutroc	chrepts		
	Active Allu	ALLUVIAL PLA vial Plain (AaA) (Flood plain soils Very Deep moderately well)			E0 7	
	W010	Very Deep, moderately well drained, coarse loamy soils occurring on level to nearly level active alluvial plain with loamy surface and moderate flooding	0	Coarse loamy, Aquic Ustifluver	nts	58.7 (0.66)	
	W011	associated with very deep poorly drained, fine loamy soils¹ Very Deep, moderately well drained, fine loamy soils¹ occurring on level to nearly level	0	Fine loamy, Typic Fluvaquer Fine loamy, Typic Ustorthen	*	14.0 (0.16)	
		active alluvial plain with loamy surface and moderate flooding associated with very deep, imperfectly drained, fine soils² Very deep, poorly drained, fine loamy soils¹ occurring on level to	0	Fine, Typic Ustochrep Fine loamy, Typic Haplaquer		8.9 (0.10)	
	W012	nearly level active alluvial plain with loamy surface and moderate flooding Very deep, poorly drained, fine	0	Fine loamy,		11.0	
	W013	loamy soils¹ occurring on level to nearly level active alluvial plain with loamy surface associated with very deep, poorly drained, fine loamy soils²	0	Typic Haplaquer Fine loamy, Typic Haplaquer		(0.12)	
	W014	Very deep, imperfectly drained, fine soils² occurring on level to nearly level active alluvial plain with loamy surface and moderate flooding associated with very deep,	0	Fine, Typic Ustochrep Fine loamy,	ts	29.8 (0.34)	
	W015	moderately well drained, fine loamy soils¹ Very deep, moderately well drained, coarse loamy soils¹ occurring on very gently sloping	0	Coarse loamy, Typic Ustifluvent		62.1 (0.70)	
		active alluvial plain with loamy surface associated with very deep, imperfectly drained, fine loamy soils²	0	Fine loamy, Fluventic Ustoch	repts	100.7	
	W016	Very deep, moderately well drained, fine silty soils¹ occurring on very gently sloping active alluvial plain with loamy surface and moderate erosion associated with very deep, moderately well drained, fine loamy soils²	0	Fine silty, Typic Ustifluvent Fine loamy, Fluventic Ustoch		198.7 (2.24)	
		vial Plain (AaB) (Most recent soil: Very deep, well drained, coarse loamy soils on level to nearly	s) 0	Coarse loamy, Typic Ustorthent	S	88.5 (0.99)	
	W017	level recent alluvial piain with loamy surface associated with very deep, imperfectly drained, fine loamy soils?	0	Fine loamy, Typic Ustochrep	ts	126.0	
	W018	Very deep, poorly drained, coarse loamy soils¹ occurring on level to nearly level recent alluvial plain with loamy surface associated with very deep, imperfectly drained, coarse loamy soils¹	0	Coarse loamy, Typic Fluvaquent Coarse loamy, Aquic Ustifluvent		136.0 (1.53)	
	W019	Very deep, imperfectly drained, fine loamy soils² occurring on level to nearly level recent alluvial plain with loamy surface and moderate flooding associated with very deep, imperfectly drained, coarse loamy soils¹		Fine loamy, Typic Ustochrept Coarse loamy, Typic Ustorthent		130.2 (1.47)	
	W020	Very deep, imperfectly drained, fine loamy soils ² occurring on level to nearly level recent alluvial plain with loamy surface associated with very deep, imperfectly drained, fine loamy soils ¹	0	Fine loamy, Typic Ustochrept Fine loamy, Typic Ustorthent		16.1 (0.18)	
	W021	Very deep, poorly drained, fine soils² occurring on level to nearly level recent alluvial plain with clayey surface and moderate flooding associated with very deep, imper-	0	Fine, Aeric Haplaquep Fine loamy,		121.3 (1.37)	
	W022	Very deep, moderately well drained, coarse loamy soils¹ occurring on level to nearly level recent alluvial plain with loamy surface and moderate flooding	0	Coarse loamy, Aquic Ustifluvent		1.6 (0.02)	
	W023	Very deep, moderately well drained, fine loamy soils occurring on level to nearly level recent alluvial plain with loamy surface associated with very deep, well drained coarse loamy soils!	0	Fine loamy, Typic Ustochrept Coarse loamy, Typic Ustorthont		5.8 (0.07)	
	W024	drained, coarse loamy soils¹ Very deep, imperfectly drained, fine loamy soils² occurring on very gently sloping recent alluvial plain with loamy surface and moderate erosion	0	Typic Ustorthents Fine loamy, Fluventic Ustoch		37.1 (0.42)	
	W025	associated with very deep, imperfectly drained, fine loamy soils² Very deep, imperfectly drained, coarse loamy soils¹ occurring on level to nearly level recent alluvial plain with loamy surface and moderate flooding.	0	Fine loamy, Typic Ustochrept Coarse loamy, Aquic Ustifluvent	Page	35.0 (0.39)	
		moderate flooding associated with very deep, imperfectly drained, fine soils ² Very deep, poorly drained, fine loamy soils ² on level to nearly	0	Fine, Aeric Haplaquep Fine loamy, Aeric Haplaquep		172.8 (1.95)	100
	W026	level recent alluvial plain with loamy surface associated with very deep, moderately well drained, coarse loamy soils¹	0	Coarse loamy, Typic Ustorthents			
	W027	Very deep, moderately well drained, fine loamy soils¹ occurring on level to nearly level recent alluvial plain with loamy surface	0	Fine loamy, Typic Ustifluvent	S	93.0 (1.05)	
		associated with very deep, imper- fectly drained, fine loamy soils ² Very deep, poorly drained, fine silty soils ¹ occurring on level to	0	Fine loamy, Typic Ustochrept Fine silty, Typic Fluvaquent		62.0° (0.70)	
	W028	nearly level recent alluvial plain with loamy surface and moderate erosion associated with very deep, poorly drained, fine loamy soils ² with	0	Fine loamy, Typic Haplaquep			
All Y		slight erosion					



P.O. Box 353 6700 AJ Wageningen The Netherlands EST BERGAL

SOILS

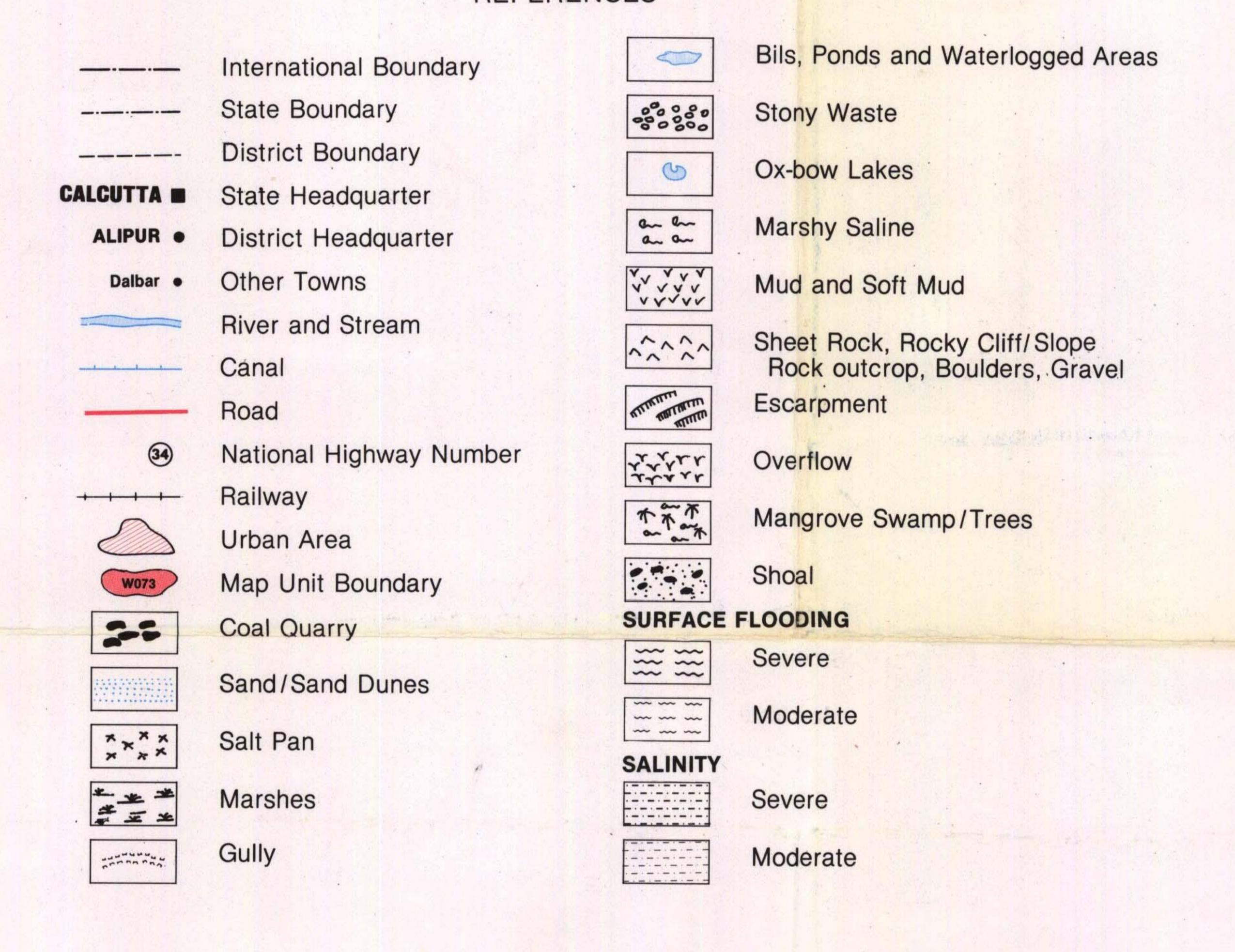


W019 -

Scale 1:500,000 1 cm = 5 km



REFERENCES



HOW TO READ THE SOIL MAP

Soil mapping was done on 1:250,000 scale and the soil map is published on 1:500,000 scale covering the entire state in four sheets. The Sheet Index (given in Sheet 1) provides the details of location of districts in the state.

In order to know the soils of an area, first locate with the help of Sheet index, the respective sheet (1,2,3 or 4) in which the area of one's interest falls. After locating the area on the relevant sheet, see the soil map unit numbers occurring in that area.

For decoding the soil map unit numbers, one may refer to the Legend which provides brief description highlighting soil depth, texture, drainage, slope, erosion, salinity, etc. of the dominant and associated subdominant mapped soils. The Legend also provides taxonomy of soils as per USDA System of Classification for national and international understanding. The area covered by each mapped unit along with its percentage is also given. The dominant soils occupy 50 per cent or more whereas subdominant soils occupy 20 per cent or more but less than 50 per cent area of the unit.

In the preparation of the map, the Methodology adopted and Why & How about the soil resource mapping of different states have been given in NBSS Publications 13 and 23, respectively.

General information on physiography and relief, geology, climate, and agro-ecological sub-regions of the state has been presented on 1:2.1 m scale.

The soil map is accompanied by a summerised version of Soils Bulletin (NBSS Publication 27b) containing salient features of the mapped soils. A detailed account of soils has been given in the explicit version of Soils Bulletin (NBSS Publication 27a) containing detailed description of physical features, climate, physical and chemical soil properties, landform-soil relationship, interpreted information about potential and problems of soils.

SHEET INDEX

