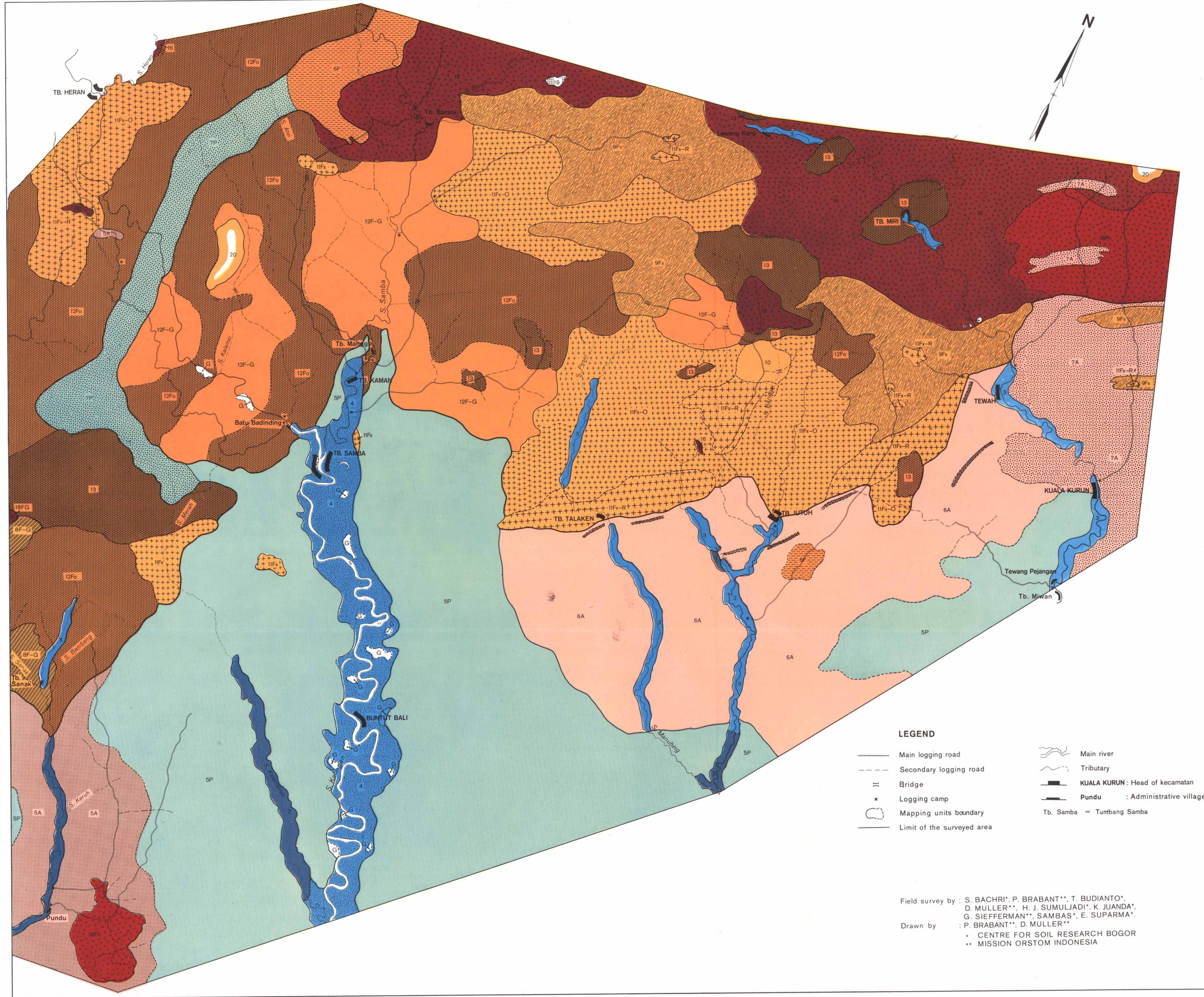


# CENTRAL KALIMANTAN

## RECONNAISSANCE SOIL MAP

DJ.T.-ORSTOM TRANSMIGRATION PROJECT PTA-44



### LEGEND

- Main logging road
- - - Secondary logging road
- II — Bridge
- \* Logging camp
- Mapping units boundary
- Limit of the surveyed area
- Main river
- Tributary
- KUALA KURUN: Head of kecamatan
- Pundu: Administrative village
- Tb. Samba = Tumbang Samba

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Scale 1 : 250,000



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Base : NASA satellite imagery and field survey

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### RECONNAISSANCE SOIL MAP

### LEGEND

GEOMORPHOLOGY	PHYSIOGRAPHY			PARENT MATERIAL	MAPPING UNIT NO.	SYMBOL	SOIL UNITS F.A.O. SYSTEM	
	RELIEF AND DISSECTION	RANGE OF SLOPE	TOPOGRAPHY					
RECENT FLOODPLAIN	FLAT	0 - 1%	swampy depression	PEAT over CLAY, sand	1		dystic HISTOSOL	
			without levee with defluent channels	kaolinite type	2		gleyic FLUVISOL	
			with levee without defluent channels	including muscovite and micaceous clays	3		dystic, gleyic FLUVISOL	
					4		dystic, gleyic FLUVISOL ferralic, dystic CAMBISOL humic gleyic dystic histosol	
SEDIMENTARY PLAIN	UNDULATING	2 - 8%	slightly dissected	coarse textured S A N D S T O N E	5		gleyic PODZOL locally "giant podzol" dystic HISTOSOL gleyic acrisol	
			slightly dissected	medium textured	6		ferric, gleyic, humic ACRISOL + locally petric phase dystic gleyisol gleyic podzol	
			slightly to moderately dissected	fine textured, shale	7		orthic, xanthic FERRALSOL locally petric phase Ferric acrisol	
	ROLLING	8 - 15%	slightly to moderately dissected	SANDSTONE, SHALE, with calcareous banks, and basic rock dikes	8		ferric, gleyic ACRISOL dystic gleyisol gleyic podzol humic ferralsol ferralic cambisol	
			slightly to moderately dissected	with siliceous conglomerates and granitic intrusions	9		orthic, xanthic FERRALSOL ferric, gleyic ACRISOL	
			slightly to moderately dissected		10		ferric, gleyic ACRISOL	
HILLS	HILLOCKY	25 - 35%	dissected	coarse textured with pebbles	11		tropical orthic PODZOL gleyic, ferric acrisol	
			strongly dissected	medium textured with conglomerates	12		ferric ACRISOL tropical orthic podzol	
	HUMMOCKY	15 - 30% locally dissected	locally dissected	with quartz veins and andesitic intrusions	13		humic, xanthic FERRALSOL locally petric phase dystic gleyisol	
			moderately dissected	with siliceous conglomerates and granitic intrusions	14		orthic, humic FERRALSOL ferric cambisol dystic regosol with 2 - 1 clays dominantly PETRIC PHASE	
	HILLOCKY	20 - 35%	dissected	with micaceous, and swelling clays	15		orthic FERRALSOL + with 2 - 1 clays dystic gleyisol	
			strongly dissected		16		orthic FERRALSOL petric phase locally 2 - 1 clays	
	HUMMOCKY	10 - 25%	moderately dissected	GNEISS with amphibole	17		xanthic, orthic FERRALSOL locally lithic phase dystic regosol	
			strongly dissected	MICASCHIST gneiss, phyllite	18		xanthic, orthic FERRALSOL locally lithic phase dystic regosol	
	HILLOCKY	30 - 40%	dissected to strongly dissected	altil coarse GRANITE	19		xanthic FERRALSOL locally hydromorphic gleyic acrisol orthic podzol	
			dissected	ORTHOGRANITE	20		xanthic FERRALSOL + dystic gleyisol	
	ISOLATED HILLS and ROCK DOMES	HILLOCKY	20 - 30%	dissected	GRANITE granodiorite, diorite dikes	21		xanthic, orthic FERRALSOL + dystic gleyisol
				strongly dissected	leucocratic GRANITE	22		xanthic FERRALSOL locally lithic phase dystic regosol
ROLLING to HUMMOCKY		8 - 20%	slightly to moderately dissected	GRANODIORITE quartz diorite, diorite dikes	23		orthic, xanthic FERRALSOL + dystic GLEYISOL	
			moderately dissected	diorite dikes	24		orthic, xanthic FERRALSOL + dystic gleyisol humic ferralsol	
HILLOCKY		20 - 30%	dissected	DIORITE, GABBRO	25		orthic, humic FERRALSOL locally petric, petroferic phase	
			strongly dissected	RHYOLITE tuff rhyolitic	26		humic FERRALSOL dystic, ferralic CAMBISOL tropical ranker, fluvisol	
ROLLING to HUMMOCKY		8 - 15%	moderately dissected	UNDIFFERENTIATED BASIC ROCKS: andesite, gabbro, basalt, amphibolite	27		humic FERRALSOL + with acidic characteristic petric, petroferic phase (dystic gleyisol)	
			dissected	BASALT, ANDESITE	28		humic FERRALSOL dystic cambisol	
HILLOCKY		20 - 30%	dissected	andesite mixed with siliceous rock intrusions, quartzite, apatite	29		xanthic FERRALSOL lithic phase dystic REGOSOL humic ferralsol ferric acrisol	
			strongly dissected		30		humic FERRALSOL + dystic GLEYISOL	
UNDULATING to ROLLING	5 - 15%	slightly to moderately dissected	with apatite veins locally basalt and rhyolite intrusions	31		xanthic ferralsol orthic acrisol humic FERRALSOL + locally petric phase dystic gleyisol		
		moderately dissected		32		humic, xanthic FERRALSOL lithic phase dystic, ferralic CAMBISOL regosol, lithosol		
MOUNTAINS	MOUNTAINOUS to HILLY	> 45%	undifferentiated basic rocks	33		humic, xanthic FERRALSOL lithic phase dystic, ferralic CAMBISOL regosol, lithosol		
			GRANITE, diorite	34		xanthic, humic FERRALSOL lithic phase dystic regosol lithosol, ranker, fluvisol		

### KEY

- Fh humic ferralsol
- Fx xanthic ferralsol
- Fo orthic ferralsol
- Ag gleyic acrisol
- Ah humic acrisol
- Af ferric acrisol
- Bd dystic cambisol
- Bf ferralic cambisol
- Pg gleyic podzol
- Po orthic podzol
- Rd dystic regosol
- U ranker
- M.U. mapping unit
- Gh humic gleyisol
- Gd dystic gleyisol
- Jd dystic fluvisol
- Ag gleyic fluvisol
- Od dystic histosol
- I lithosol
- R river
- C defluent channel
- colluvium
- alluvium
- peat
- granite, diorite
- spite
- basic rocks
- calcareous bank
- quartzite
- petric soils
- gleyic soils