REPUBLIK INDONESIA

DEPARTEMEN TRANSMIGRASI

TEWAH

SOIL MAP / PETA TANAH

CENTRAL KALIMANTAN / KALIMANTAN TENGAH

RÉPUBLIQUE FRANÇAISE

ORSTOM

INSTITUT FRANÇAIS DE RECHERCHE SCIENTIFIQUE POUR LE DÉVELOPPEMENT EN COOPÉRATION

SYMBOL	PARENT MATERIAL AND SOILS DENOMINATION		SOIL DEPTH Cm.	TEXTURE TOP SOIL	TEXTURE SUB SOIL	RELIEF AND DISSECTION	BACKSLOPE
1	**ALLUVIAL MATERIAL** Dystric histosol		> 60	Org.	CL-C	FLAT	0°
2	**ALLUVIAL MATERIAL** Dystric gleyic fluvisol Dystric histosol	% %	> 120 > 60	SaCL Org.	CL CL	FLAT	0° - 1°
3	**ALLUVIAL MATERIAL** Dystric gleyic fluvisol		> 120	SaCL to CL	CL to SiL	FLAT	0° - 1°
4	**SEDIMENTAR DEPOSITS : ALTERNATION OF SHALES AND SANDSTONES** Ferric acrisol Tropical orthic podzol Dystric gleysol	60 % 20 % 20 %	> 120 > 120 > 120	SaL Sa SaCL	SaCL Sa CL	UNDULATING moderately dissected	2° - 8°
5	**SEDIMENTAR DEPOSITS : ALTERNATION OF CALCIC SHALES AND SANDSTONES** Ferric acrisol Xanthic ferralsol Dystric gleysol	50 % 30 % 20 %	> 120 > 120 > 120	LSa SaCL CL	SaCL CL C	UNDULATING Slightly to moderately dissected	2° - 15°
6	**SEDIMENTAR DEPOSITS : ALTERNATION OF SHALES AND SANDSTONES** Ferric acrisol Xanthic ferralsol Dystric gleysol	45 % 40 % 15 %	> 120 > 120 > 120	LSa SaCL CL	SaCL CL C	HILLOCKY to ROLLING	5° - > 25°
7	**SEDIMENTAR DEPOSITS SANDSTONES AND SHALES** Ferric acrisol Tropical podzol Dystric gleysol	± 90 % ± 10 %	> 120 > 120 > 120	SaCL Sa SaCL	CL Sa C	UNDULATING Slightly to moderately dissected	2° - 20°
8	**SEDIMENTAR DEPOSITS SANDSTONES AND SHALES** Ferric acrisol Tropical podzol Dystric gleysol	± 95 % ± 5 %	> 120 > 120 > 120	SaL Sa SaCL	SaCL Sa CL	HILLY strongly dissected	5° - 25° with short slopes up 45°
9	**SEDIMENTAR MUDSTONES CLAYS AND FINE TUFFS** Humic ferralsol Xanthic ferralsol Dystric gleysol	50 % 30 % 20 %	> 120 > 120 > 120	L-CL L-CL CL	SiCL SiCL C	HUMMOCKY moderately dissected	10° - 25°
10	**TERTIARY VOLCANIC AND SEDIMENTARY ROCKS**, Basalts Andesites and Vulcano sedimentar deposits Humic ferralsol Xanthic ferralsol Dystric gleysol	40 % 40 % 20 %	> 120 > 120 > 120	SiC L-CL CL	CL C C	HILLOCKY to ROLLING	5° - 20°
11	**TERTIARY VOLCANIC AND SEDIMENTARY ROCKS**, Basalts Andesites and Vulcano sedimentar deposits Humic ferralsol Xanthic ferralsol Dystric gleysol	40 % 40 % 20 %	> 120 > 120 > 120	SiC L-CL CL	CL C C	HILLOCKY strongly dissected	10° - 25° with short slopes up 45°
12	**TERTIARY** Basalt - Andesites Humic ferralsol Xanthic ferralsol Dystric gleysol	55 % 30 % 15 %	50-> 120 > 120 > 120	SiC SiC CL	CL CL C	HILLY strongly dissected	5° - 45°
13	**VOLCANIC** (Basalts and Andesites) and **METAMORPHIC ROCKS** Humic ferralsol Xanthic ferralsol Dystric gleysol	45 % 40 % 15 %	50-> 120 50-> 120 > 120	SiC SaCL SaCL	CL CL C	HILLY strongly dissected	5° - 45°
14	Strongly metamorphic gneissic rocks Orthic ferralsol Xanthic ferralsol Dystric cambisol Dystric gley and fluvisol	45 % 30 % 20 % 5 %	> 120 > 120 50-> 120 > 120	SaL SaCL SaC SaC	SaC SaC SaC C	HUMMOCKY dissected	25° - 40°
15	Strongly metamorphic rocks Xanthic ferralsol Dystric cambisol Dystric gley and fluvisol	65 % 30 % 5 %	50-> 120 50-> 120 > 120	SiC SaC SaC	CL SaC SaC	MONTAINOUS to HILLY strongly dissected	30° - 45°
16	Strongly metamorphic Schist and Phyllite (Carboniferous-Jurassic) Xanthic ferralsol Dystric cambisol Dystric gleysol Dystric fluvisol	40 % 45 % 5 %	30-> 120 30-> 120 > 120	SiL SaL SaCL	CL CL C-CL	MONTAINOUS to HILLY strongly dissected	45° - 60°
17	**IGNEOUS** and strongly metamorphic rocks (Granodiorite-gneiss) Orthic ferralsol Dystric fluvisol	90-95 % 5-10 %	> 120 > 120	SaCL SaC	SaC SaC	HUMMOCKY dissected	20° - 40°
18	**IGNEOUS** and strongly metamorphic rocks (Granodiorite-gneiss) Orthic ferralsol Dystric fluvisol	90-95 % 5-10 %	> 120 > 120	SaCL SaC	SaC SaC	HILLY strongly dissected	> 45°

KEY FOR TEXTURE

Org = Organic	LSa = Loamy Sand	SiCL = Silty Clay Loam	SiC = Silty Clay
Sa = Sandy	L = Loamy	SiL = Silty Loam	CL = Clay Loam
SaL = Sandy Loam	SaCL = Sandy Clay Loam	SaC = Sandy Clay	C = Clayey

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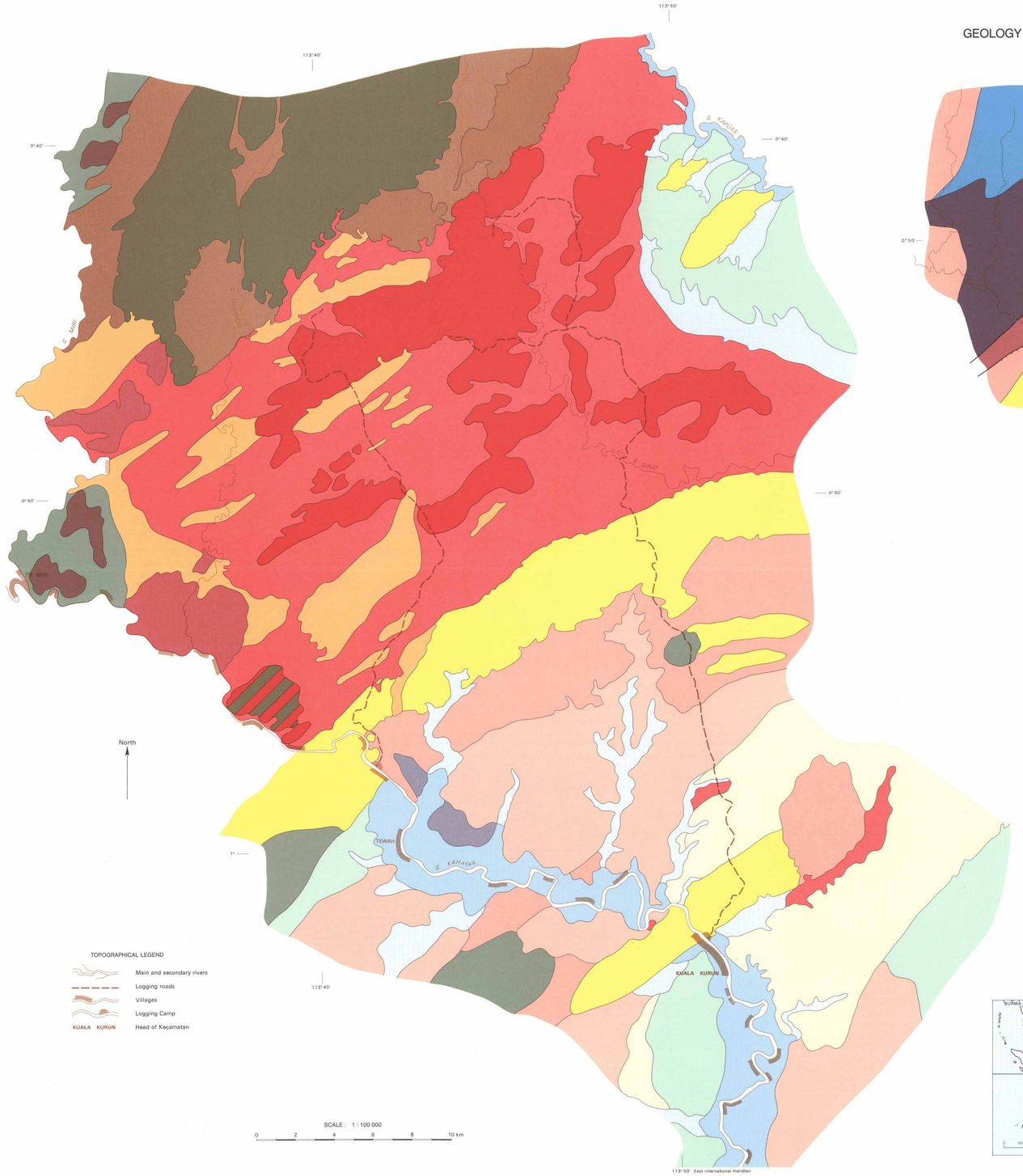
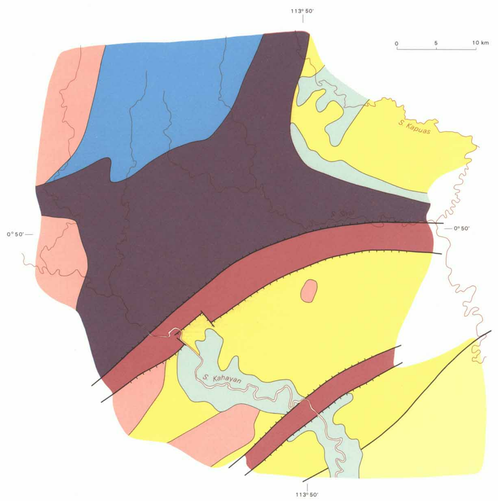
(Adjustement on NASA satellite image from 18 October 1979 D12806X1 LANDSAT E-30 S90 - 0200Z)

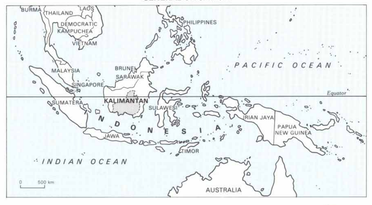


GEOLOGY



SITUATION MAP

GENERAL SITUATION



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