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REPUBLIC OF INDONESIA
MINISTRY OF PUBLIC WORKS
DIRECTORATE GENERAL OF WATER RESOURCES DEVELOPMENT
DIRECTORATE OF PLANNING AND PROGRAMMING

INDONESIA

WATER AND LAND STUDIES

WATER RESOURCES AND POTENTIALLY IRRIGABLE LAND OF D.I. ACEH

FIGURES

AUGUST 1980

BINNIE & PARTNERS (OVERSEAS) LTD.

with

HUNTING TECHNICAL SERVICES LTD.



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LANDFORM	SOILS	PRESENT LAND USE	SUITABILITY
 A UNDIFFERENTIATED RECENT ALLUVIUM	USUALLY FINE - TEXTURED AND SWAMPY. SOMETIMES PEATY SURFACE HORIZON OFTEN HIGH FLOOD RISK	RAIN - FED RICE OR FOREST.	RICE
 M RECENT MEANDER PLAIN. UNEVEN MICROTOPOGRAPHY.	USUALLY MEDIUM - TEXTURED BUT VARIABLE AND LOCALLY SANDY OR GRAVELLY OFTEN HIGH FLOOD RISK.	VARIABLE, USUALLY DRYLAND CROPS, LOCALLY RICE.	VARIABLE, SUITABLE FOR WIDE RANGE OF CROPS AND RICE LOCALLY.
 C COLLUVIAL PLAIN. UNEVEN TOPOGRAPHY OR GENTLY SLOPING.	VARIABLE, USUALLY MEDIUM - TEXTURED. LOW FLOOD RISK.	VARIABLE, LOCALLY RAIN - FED RICE.	WIDE RANGE OF CROPS INCLUDING RICE LOCALLY
 S FRESHWATER SWAMP.	FINE - TEXTURED, PEATY, VERY POORLY DRAINED.	FOREST OR SWAMP GRASS.	RICE AND LIMITED RANGE OF DRYLAND CROPS IF DRAINAGE IS FEASIBLE. FISHPONDS.
 Y NARROW VALLEY FLOOR	VARIABLE SOIL, DRAINAGE AND FLOOD CONDITIONS	VARIABLE	VARIABLE
D TIDAL DELTA	FINE - TEXTURED, SALINE, VERY POORLY DRAINED.	TIDAL FOREST.	CONSERVATION, FISH FARMING, MANGROVE PRODUCTS.
B ₁ RECENT BEACH	SANDY.	SETTLEMENTS, COCONUTS, GRAZING, FOREST.	INTENSIFICATION OF PRESENT USE.
 B ₂ SUBRECENT BEACH PRONOUNCED RIDGE AND SWALE TOPOGRAPHY.	SANDY. LOCALLY FINE-TEXTURED OR PEATY IN SWALES.	AS B ₁ RICE LOCALLY IN SWALES.	INTENSIFICATION OF PRESENT USE.
 B ₃ OLDER BEACH DEPOSITS. UNEVEN MICRO-TOPOGRAPHY.	MAINLY SANDY BUT WITH LOCAL PEAT SURFACE HORIZONS UP TO 90 CM THICK (DEEPER IN P ₂ /B ₃).	MAINLY FOREST, LOCALLY RICE OR DRYLAND CROPS	SEVERE LIMITATIONS OF TEXTURE, PEAT, LOW FERTILITY, DRAINAGE. SUITABILITY VARIABLE, MARGINAL FOR RICE.
 P ₁ SHALLOW PEAT DEPOSITS.	PEAT PROBABLY UP TO 90 CM THICK. VERY POOR DRAINAGE. MODERATE FLOOD RISK	MAINLY FOREST.	MODERATELY SUITABLE FOR RICE AND SELECTED DRYLAND CROPS WITH DRAINAGE.
 P ₂ MEDIUM PEAT DEPOSITS	PEAT DEPTH UNKNOWN, PROBABLY UP TO TWO METRES. VERY POOR DRAINAGE BUT LOW FLOOD RISK.	FOREST.	FOREST. MARGINALLY SUITABLE FOR SELECTED DRYLAND CROPS BUT NOT RECOMMENDED FOR EARLY DEVELOPMENT.
 P ₃ DEEP PEAT DEPOSITS. DOME SHAPED.	PEAT DEPTH UNKNOWN, PROBABLY TWO TO FOUR METRES. NOT SUBJECT TO RIVERINE FLOODS.	FOREST.	FOREST.
 T ₁ ALLUVIAL TERRACE, MEDIUM ELEVATION. LEVEL TO UNDULATING, SOMETIMES VERY STRONGLY DISSECTED.	MAINLY MEDIUM - TEXTURED, LOCALLY SANDY OR GRAVELLY. VERY LOW FERTILITY. SOMETIMES POORLY DRAINED.	SECONDARY FOREST, DRYLAND AND TREE CROPS. LOCALLY OILPALM PLANTATION.	FERTILITY LIMITATION. DRYLAND AND TREE CROPS MARGINAL FOR RICE.
 T ₂ ALLUVIAL TERRACE, LOW ELEVATION. MAINLY LEVEL BUT LOCALLY VERY STRONGLY DISSECTED.	MEDIUM TO FINE - TEXTURED. MODERATE TO POOR DRAINAGE. NOT SUBJECT TO RIVERINE FLOODS	RAIN - FED RICE, FOREST, LOCALLY DRYLAND CROPS AND OIL PALM PLANTATION.	SUITABLE FOR RICE AND WIDE RANGE OF CROPS.
 H HILLS AND MOUNTAINS. MODERATELY TO VERY STEEP.	VARIABLE	MAINLY FOREST.	WHERE TOPOGRAPHY AND SOILS FAVOURABLE, SUITABLE FOR DRYLAND AND TREE CROPS WITH EROSION CONTROL.

LANDFORM ASSOCIATIONS (FOR EXAMPLE H/A, P₂/B₃) INDICATE COMPLEX DISTRIBUTION OF COMPONENT LANDFORMS THAT CANNOT BE DELINEATED ON SMALL SCALE AIR PHOTOGRAPHS

ROAD

