Report No. 108

Report on a Semi-Detailed Soil Survey

of the

PAYA SELANYAU, PAYA PADANG AND PAYA SEPURAU IRRIGATION SCHEME

4th Division

by

Ahmad Haji Ebon
(A.A.O. Soil Survey)

Soil Survey Division
Research Branch

August, 1967.

Dept. of Agriculture
Sarawak

Report on the Semi-Detailed Soil Survey of Paya Selanyau, Paya Padang and Paya Sepurau, Irrigation Scheme, Fourth Division

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Ahmad Haji Ebon,
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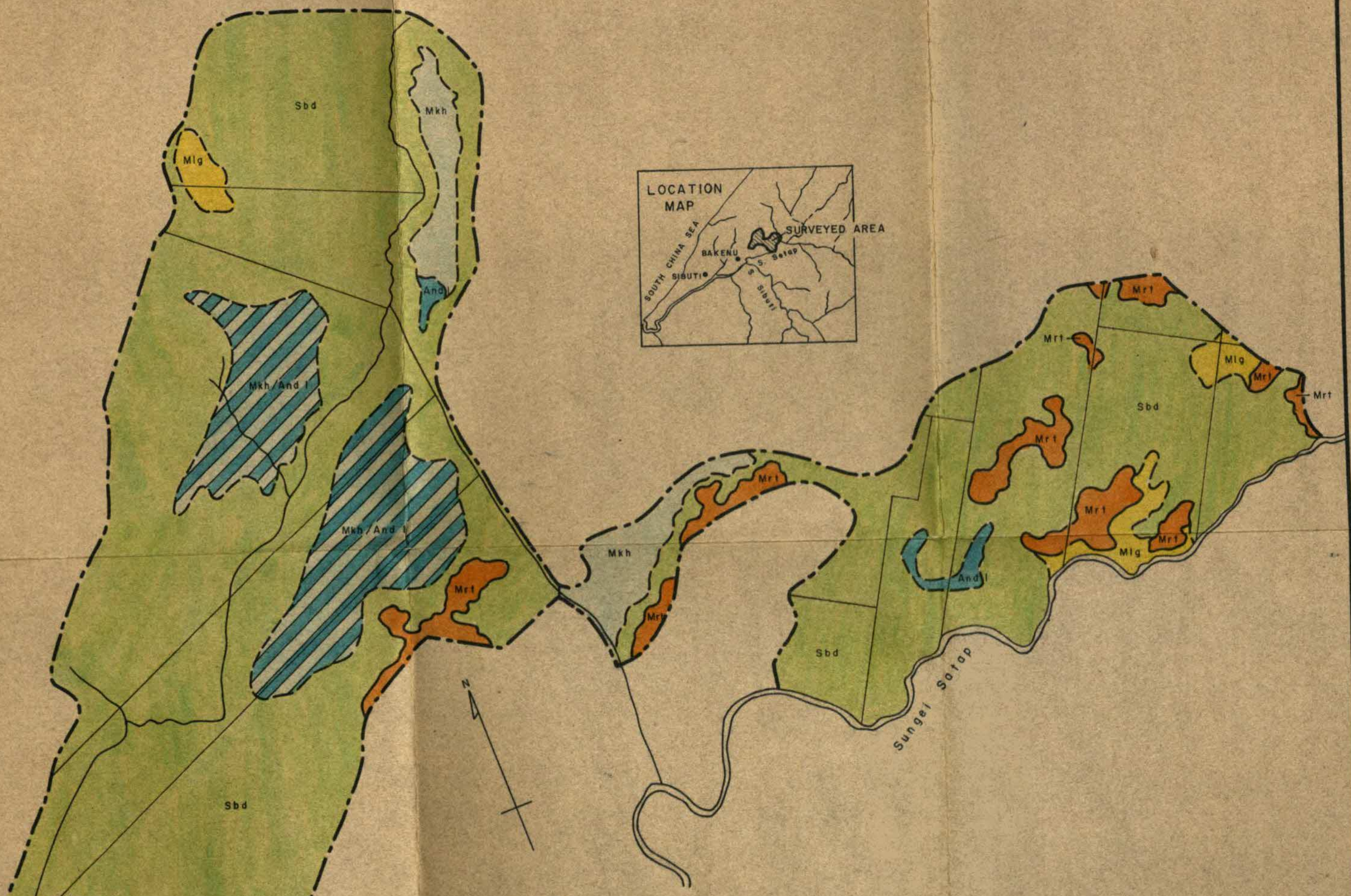
A semi-detailed soil survey of Paya Selanyau, Paya Padang and Paya Sepurau together with the adjacent areas to these 'payas' as shown on the map, was carried out between the 3rd August and 9th August, 1967.

The surveyed showed that, except for the two areas of Anderson 1 (shallow peat) south of Paya Selanyau and west of Paya Padang, the areas are mainly covered with Recent Alluvial soils of the Sebandi Family (peat up to 10 inches deep overlying grey clay). Soils on the isolated hills in Paya Sepurau and several foot-hills along the boundary of the area, belong mainly to a Residual member of the Red-Yellow Podsolic Soil Group namely the Merit Family.

From the soil point of view there are no limitations to padi growing in these 'payas' except for the possible 'hollows' in the Anderson/Mukah areas which could only be used after drainage.

Approximate acreages of the various soil types are shown in the key on the soil map enclosed in the folder of this report.

Semi-Detailed Soil Survey of
PAYA SELANYAU, PAYA PADANG & PAYA SEPURAU
IRRIGATION SCHEME
4th Division



K E Y

ORIGIN	MAPPING UNIT	SOIL FAMILY	APPROX. ACREAGE	CHARACTERISTICS
Residual soil developed on shale	Mrt	Merit	70	Brownish yellow clay loam to clay over reddish yellow clay.
Recent alluvium derived from clay and organic accumulation	Mlg	Malang	30	Reddish brown to brownish yellow clay loam to clay with light grey and reddish brown mottles
	Sbd	Sebandi	1,035	Light grey clay commonly mottled with strong brown and reddish brown.
	Mkh	Mukah	50	Mukah: Light grey clay with 10"-40" peat top soil.
Organic peat	Mkh / And I	Mukah / Anderson I	160	Anderson I: Partially to well decomposed organic accumulation of 40"-80" deep.
	And I	Anderson I	20	

- Survey area boundary
- Definate soil boundary
- Tentative soil boundary
- Rentises
- Drain

Scale 16 Chains to an inch

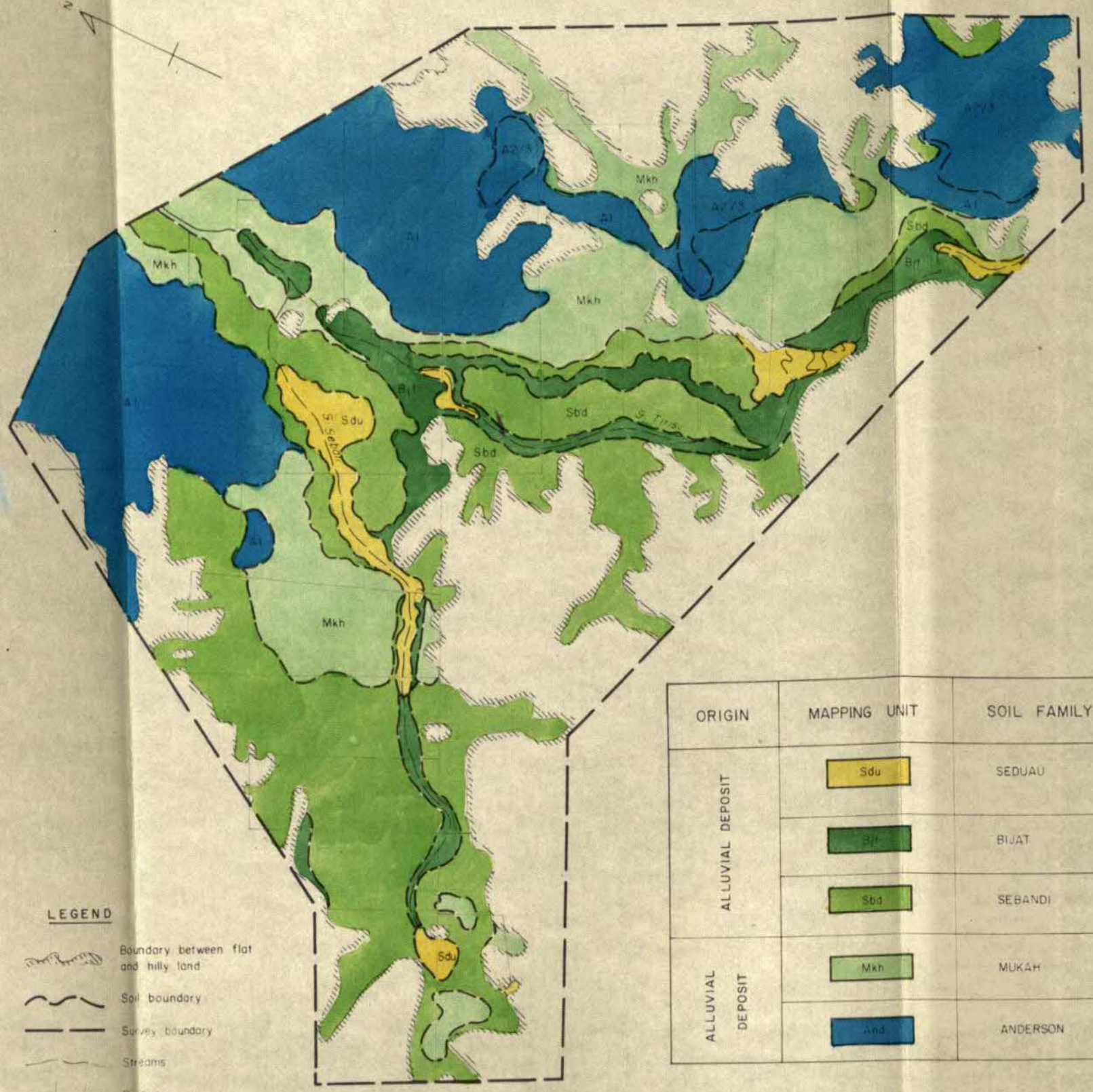
Soil Survey Drawing No. 180 Survey Area No. 108

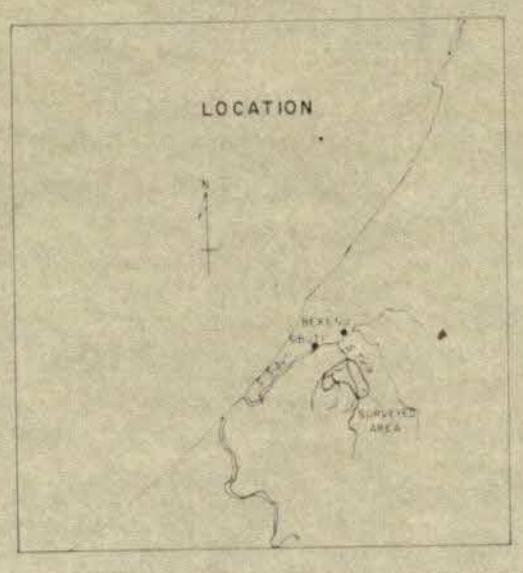
Compiled by: Ahmad Hj. Eban Drawn by: H.B. Hafsah

PAYA LOGAN, P. BERKAJANG, P. SEBALI

Miri District, 4th Division

Map 1
Soils





ORIGIN	MAPPING UNIT	SOIL FAMILY	MAIN SOIL CHARACTERISTICS	APPROX ACREAGES
ALLUVIAL DEPOSIT	Sdu	SEDUAU	Well to imperfectly drained yellow clay loam on clay	65
	Bjt	BIJAT	Poorly drained light grey alluvial clay	145
	Sbd	SEBANDI	Poorly drained light grey clay with peat top soil up to 10 inches thick	500
ALLUVIAL DEPOSIT	Mkh	MUKAH	Poorly drained light grey clay with peat top soil ranging from 10-40" thick.	355
	And	ANDERSON	Peat soil ranging from 40-120". And 1 40-80", And 2 80-120", And 3 120"+	535

LEGEND

- Boundary between flat and hilly land
- Soil boundary
- Survey boundary
- Streams
- Rentises

SCALE 1:20,000

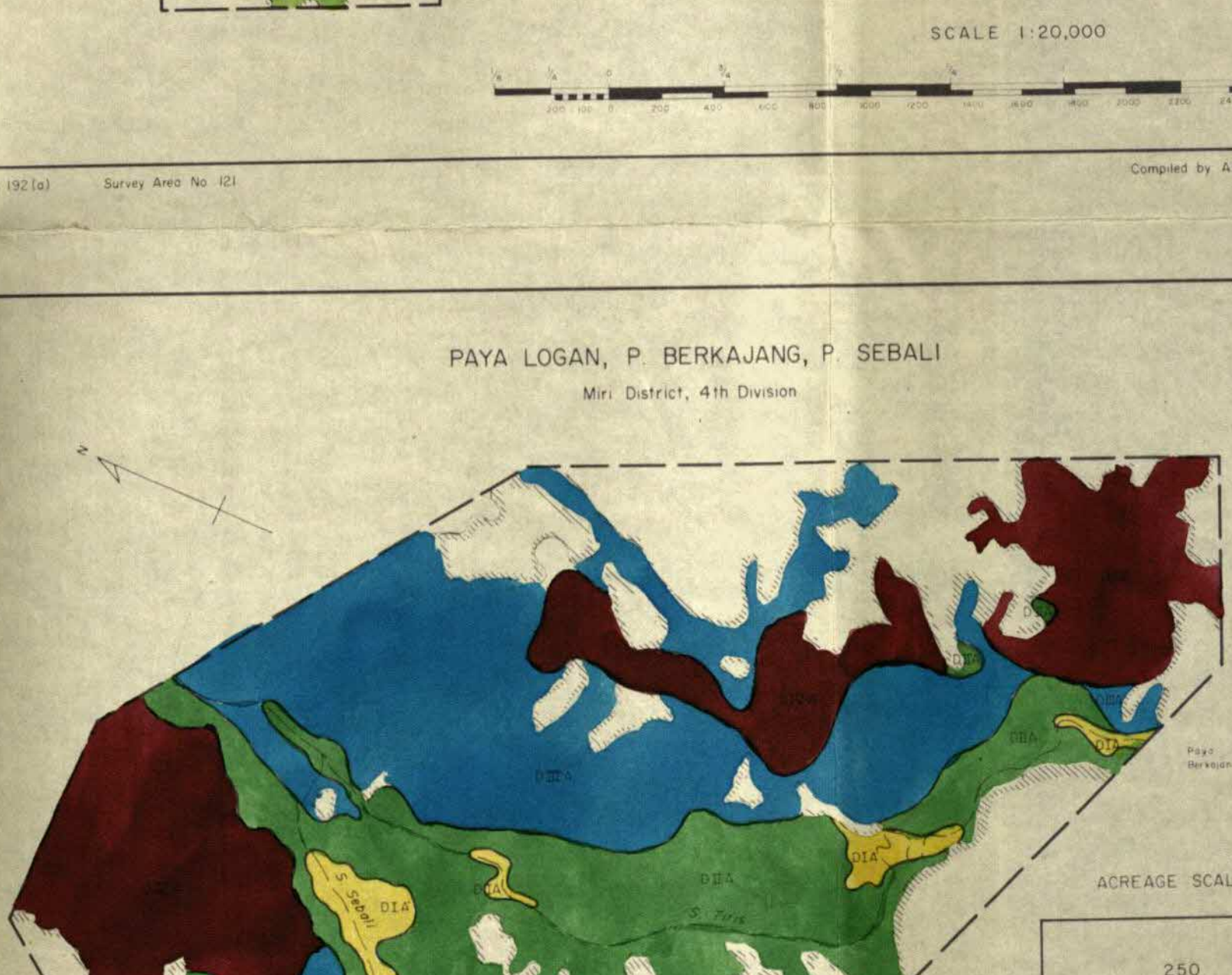
Soil Survey Drawing No 192(a) Survey Area No 121

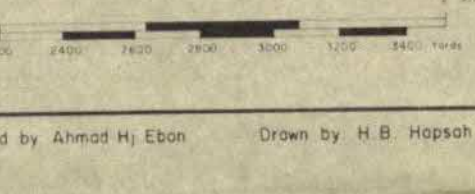
Compiled by Ahmad Hj Eban Drawn by H.B. Hapsah

PAYA LOGAN, P. BERKAJANG, P. SEBALI

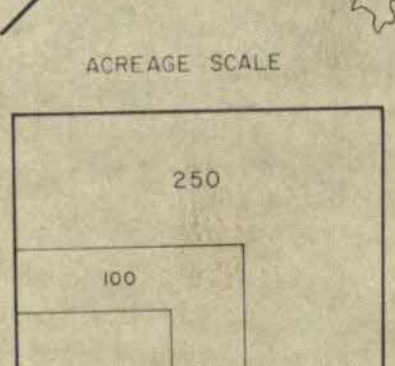
Miri District, 4th Division

Map 2
Drainage Requirement





ACREAGE SCALE



MAPPING SYMBOL	RATING	DRAINAGE REQUIREMENT	APPROX ACREAGES
DIA	CLASS DIA	No drainage improvement required	65
DIIA	CLASS DIIA	Minor drainage improvement required	725
DIIIA	CLASS DIIIA	Moderate drainage improvement required	460
DIVA	CLASS DIVA	Major drainage improvement required	350

LEGEND

- Boundary between flat and hilly land
- Boundary between different drainage requirement
- Survey boundary
- Streams

SCALE 1:20,000

Soil Survey Drawing No 192(b) Survey Area No 121

August, 1968

Compiled by Ahmad Hj Eban Drawn by H B Hapsah

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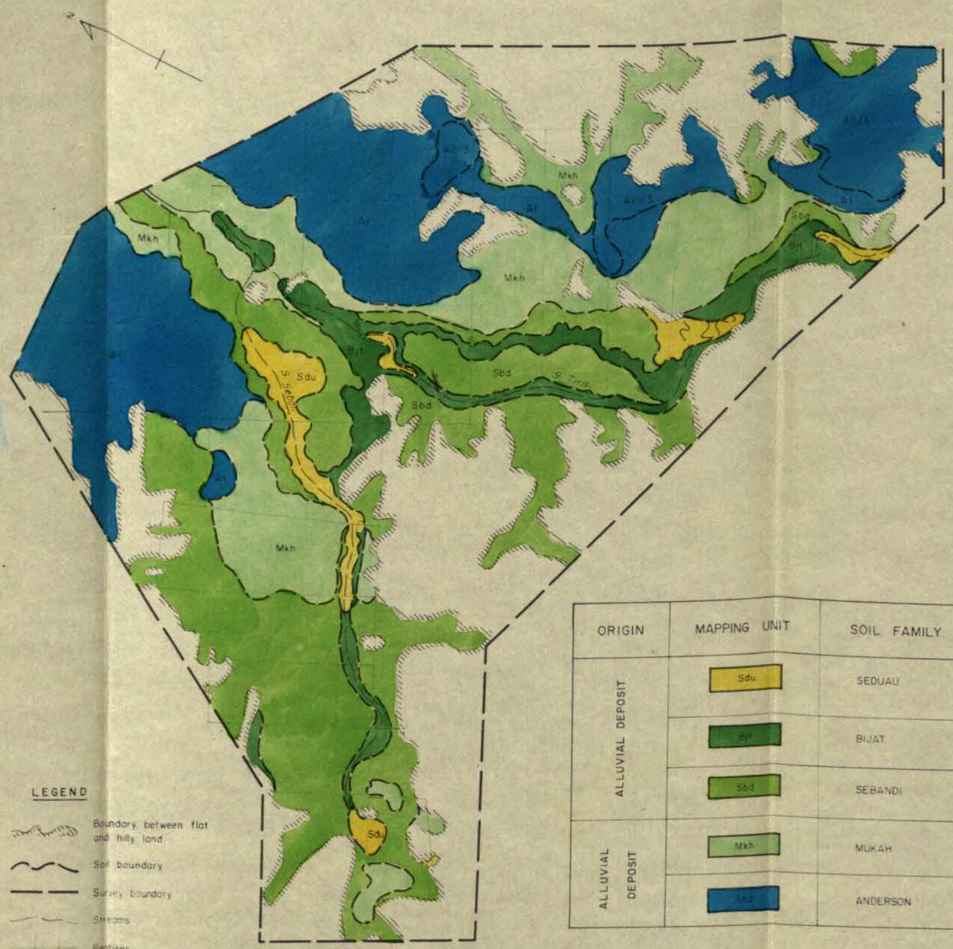
Miri District, 4th Division

Map 1
Soils



LOCATION

ORIGIN	MAPPING UNIT	SOIL FAMILY	MAIN SOIL CHARACTERISTICS	APPROX ACREAGES
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LEGEND

- Boundary between flat and hilly land
- Soil boundary
- Survey boundary
- Streams
- Rentises

SCALE 1:20,000

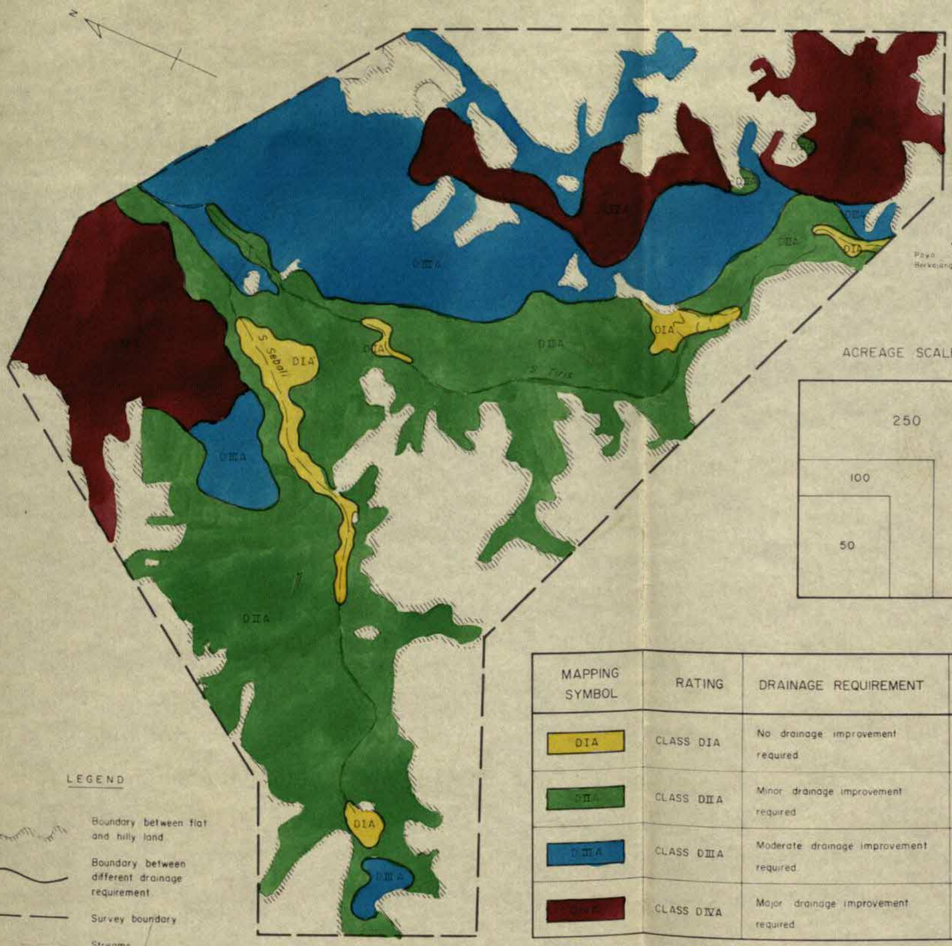
Soil Survey Drawing No. 192 (a) Survey Area No. 121

Compiled by Ahmad Hj. Ebon Drawn by H.B. Hapsah

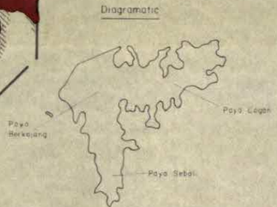
PAYA LOGAN, P. BERKAJANG, P. SEBALI

Miri District, 4th Division

Map 2
Drainage Requirement



Diagramatic



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- Boundary between different drainage requirement
- Survey boundary
- Streams

SCALE 1:20,000

Soil Survey Drawing No. 192(b) Survey Area No. 121

August, 1968

Compiled by Ahmad Hj. Ebon Drawn by H.B. Hapsah

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Miri District, 4th Division

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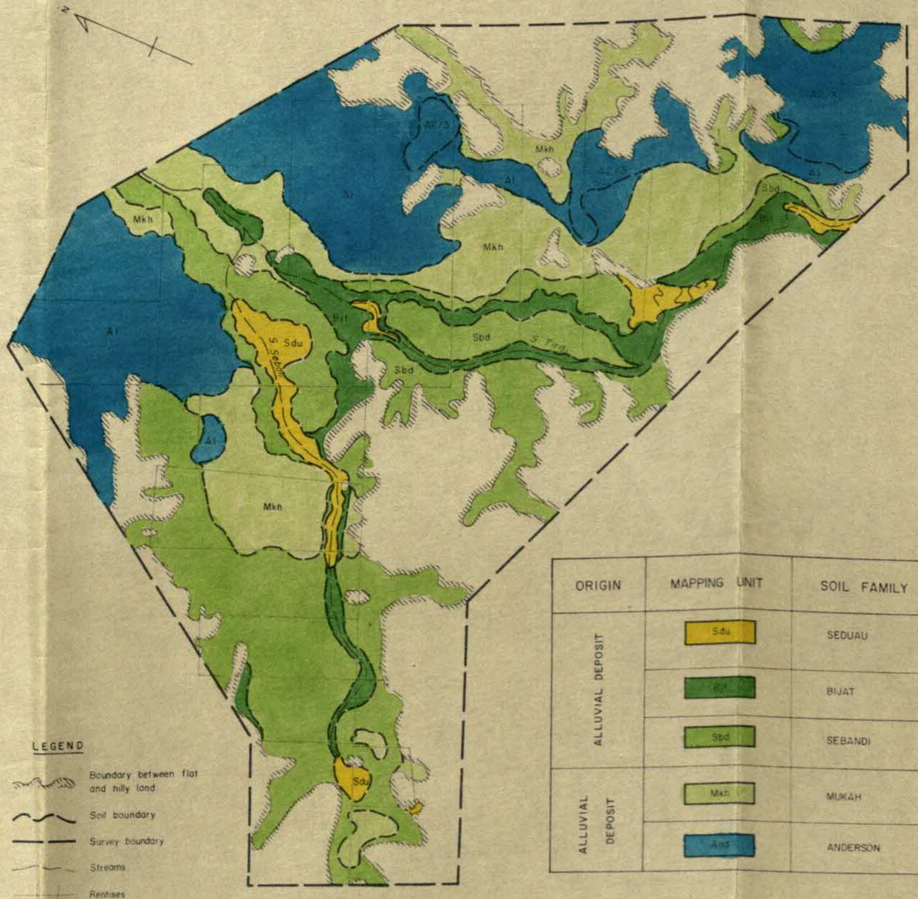

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- Boundary between flat and hilly land
- Soil boundary
- Survey boundary
- Streams
- Rentases

SCALE 1:20,000

Soil Survey Drawing No. 192 (a) Survey Area No. 121

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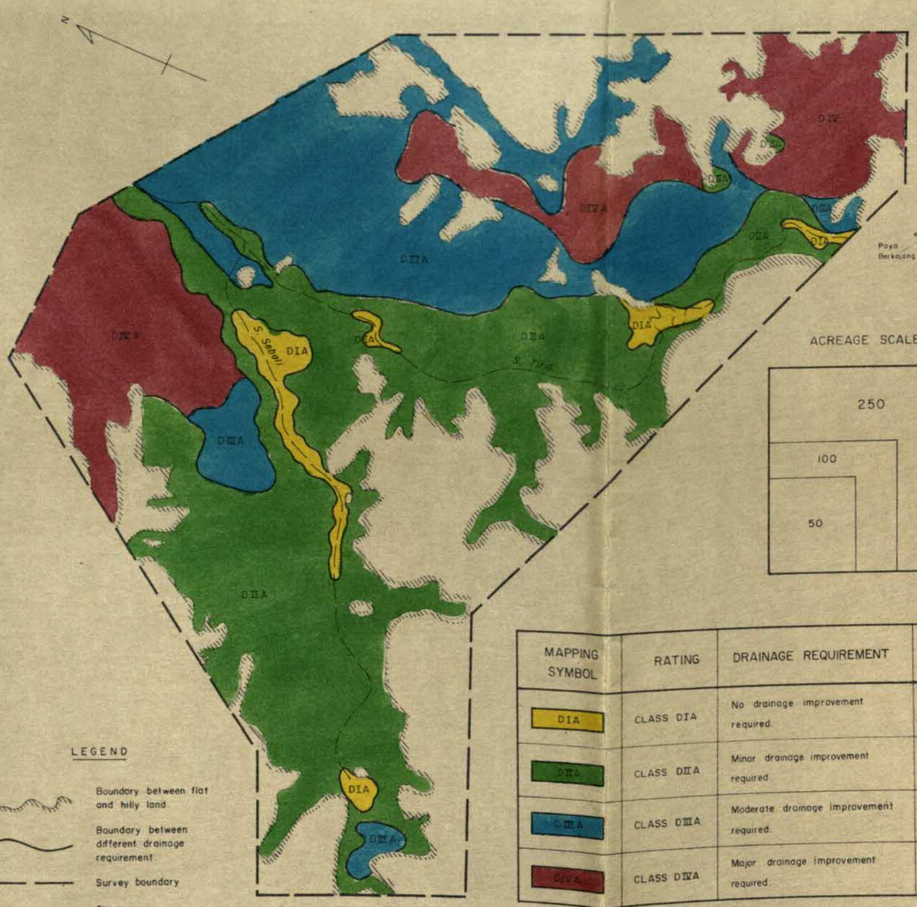
Miri District, 4th Division

Map 2
Drainage Requirement



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