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Report No. 107

Report on a Semi - Detailed Soil Survey
of the
PAYA BUNGAI-MUMMON DRAINAGE SCHEME
4th Division

By
Ahmad Haji Ebon
(Assistant Soil Surveyor)

HUNTING TECHNICAL SERVICES

Report on a Semi-Detailed Soil Survey of Paya Bungai-Mummon Drainage Scheme, Sibuti District, Fourth Division.

by

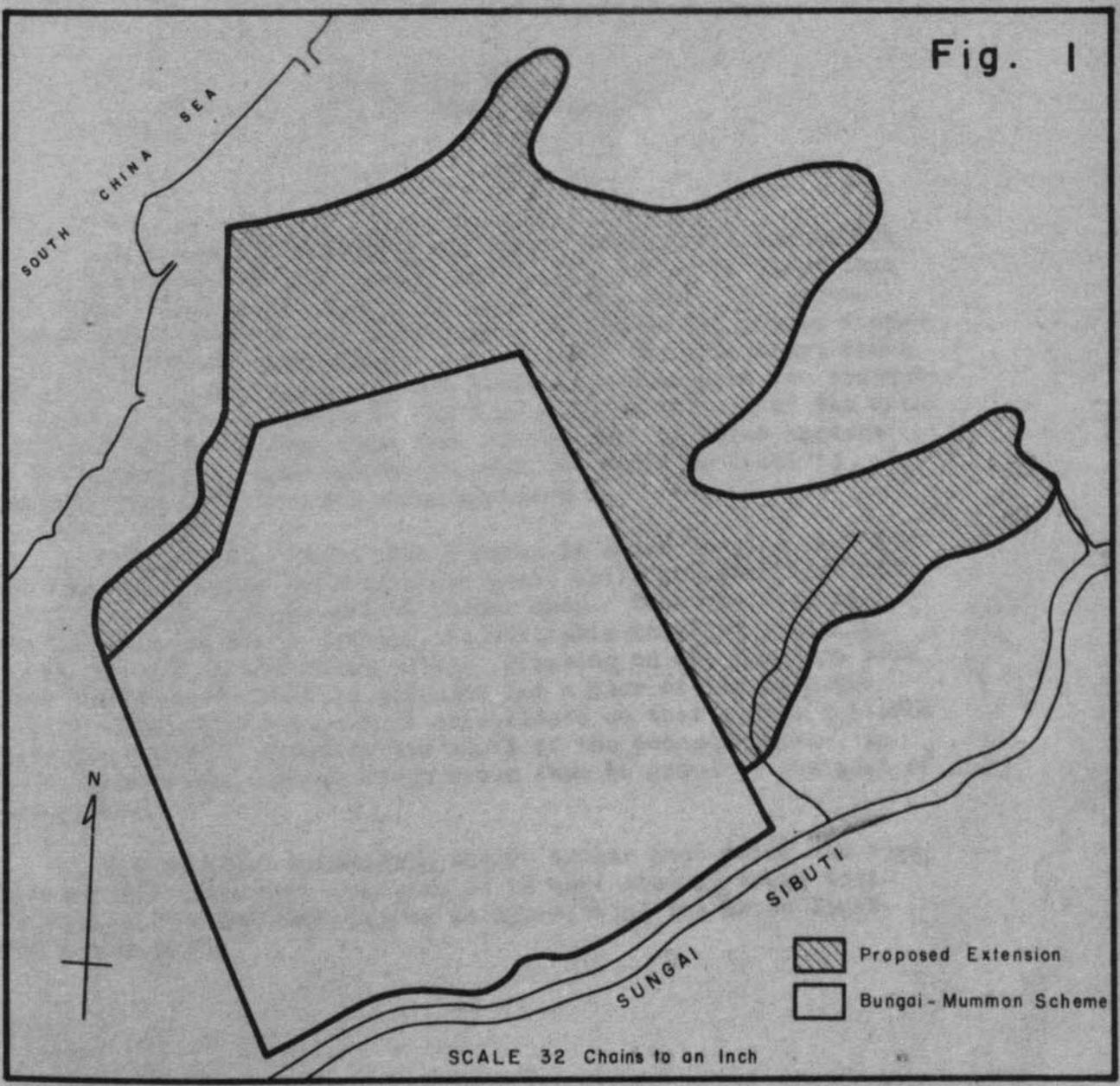
Ahmad Haji Ebon,
(A. A. O. Soil Survey).

A semi-detailed peat depth survey was carried out in the period 3rd August to 9th August, 1967. The survey revealed that except for a very small parcel of land in the east, the scheme area does not contain peat deeper than 80 inches and should therefore be considered suitable for agriculture. In area where there is better soil, Anderson 1 is not normally recommended for coconuts. If there is no restriction in the inclusion of the use of the area northeast of the Scheme, (see Fig. 1) the soil of which appears to be Mukah Family soil at the deepest, it would be ideal to exchange this area to that under Anderson 1.

The soil Map shows that 5 acres is under Bijat soil, 485 acres is under Mukah soil (shallow peat) while the remainder 650 acres is mainly peat around 60 inches deep. Once the area has been drained, it would perhaps, be advisable to start planting of the coconut on the Mukah soils. Planting on the Anderson soil would therefore be best to postpone for a year or two in order to give chance for the peat to consolidate so that a more suitable anchorage could be given to the roots of the coconut palms. In the initial stage, annual crops could then be grown on the peat of this depth.

The boundary indicating the 60 inches peat depth has been inserted for convenience so that it is more clearly shown that the bulk of the Anderson 1 area is approaching the depth limit with Anderson 2.

Fig. 1



SOUTH CHINA SEA

SUNGAI SIBUTI

- Proposed Extension
- Bungai - Mummon Scheme

SCALE 32 Chains to an Inch

Report on a Semi-Detailed Soil Survey of Paya Bungai-Mummon
Drainage Scheme, Sibuti District, Fourth Division.

by

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(A. A. O. Soil Survey).

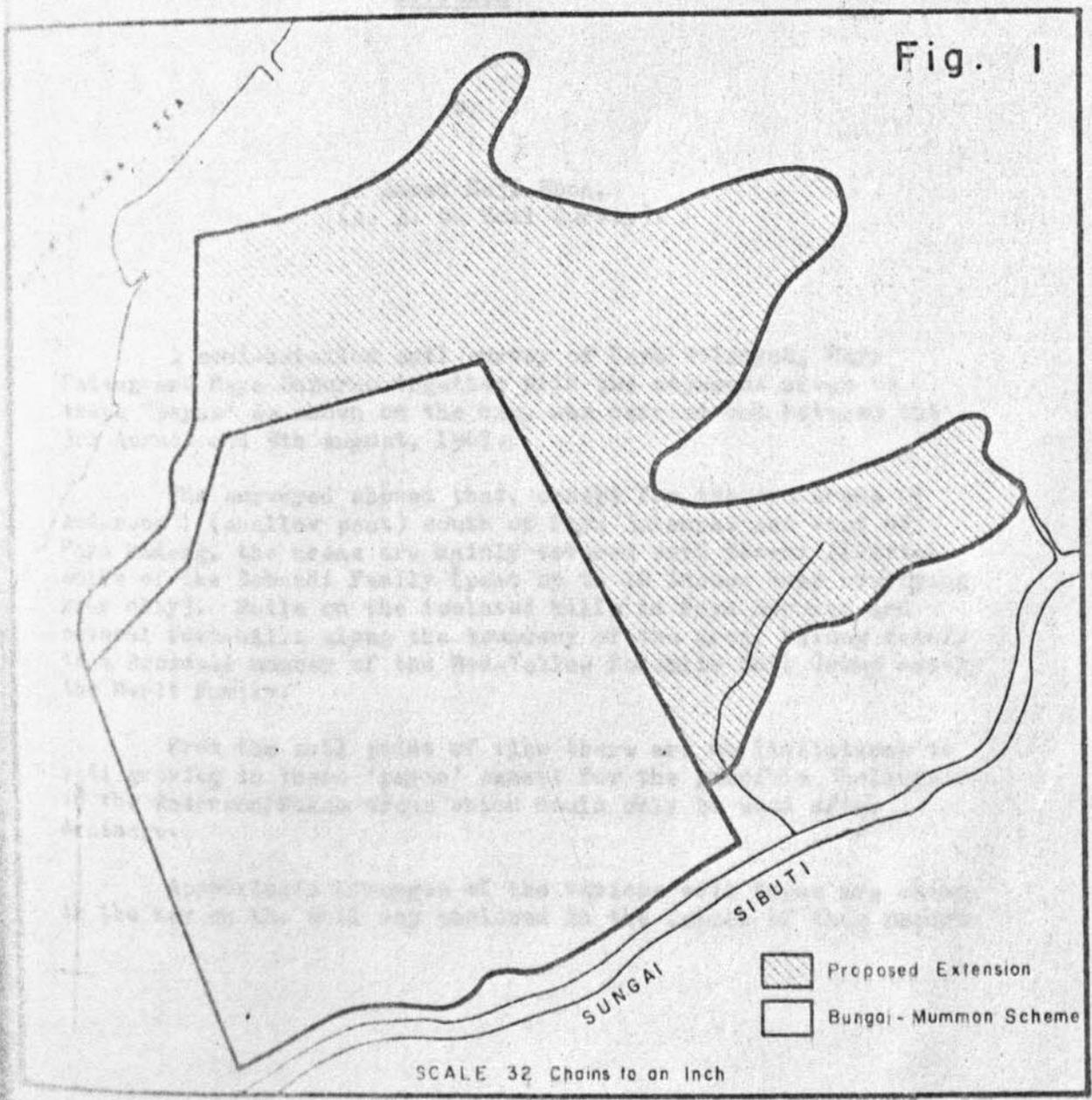
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REPORT ON THE PROPOSED BUNGAI- MUMMON CANAL SCHEME
PART II. THE CANAL, INCLUDING THE BUNGAI- MUMMON SCHEME
BY
SIR J. H. ...

Fig. 1



SCALE 32 Chains to an Inch

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

by

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

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 Podsollic Soil Group namely the Merit Family.

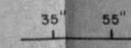
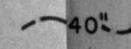
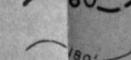
From the soil point of view there are no limitations to padi growing in these 'payas' except for the possible 'hollows' in the Anderson/Mukah areas which could only be used after drainage.

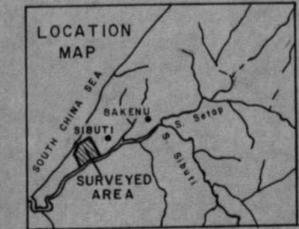
Approximate acreages of the various soil types are shown in the key on the soil map enclosed in the folder of this report.

Semi - Detailed Soil ' Map
of
PAYA BUNGAI - MUMMON DRAINAGE SCHEME
4th Division

KEY

ORIGIN	MAPPING UNIT	SOIL FAMILY	APPROX. ACREAGE	CHARACTERISTICS
Recent alluvium derived from clay and organic accumulation.	Bjt	Bijat	5	Pale brown to light grey clay mottled with strong brown in the upper horizon.
	Mkh	Mukah	485	Pale brown to light grey clay with peat topsoil 10" - 40" deep.
Organic peat.	And 1	Anderson 1	645	Dark brown partially decomposed organic matter 40" - 80" deep.
	And 2	Anderson 2	5	Peat 80" - 120" deep.

 Renti with recorded peat depths in inches.
 Tentative boundaries indicating peat depths.
 Contour lines.



Scale 8 Chains to an Inch

Compiled by: Ahmad HJ. Ebon Drawn by: H.B. Hafshah

