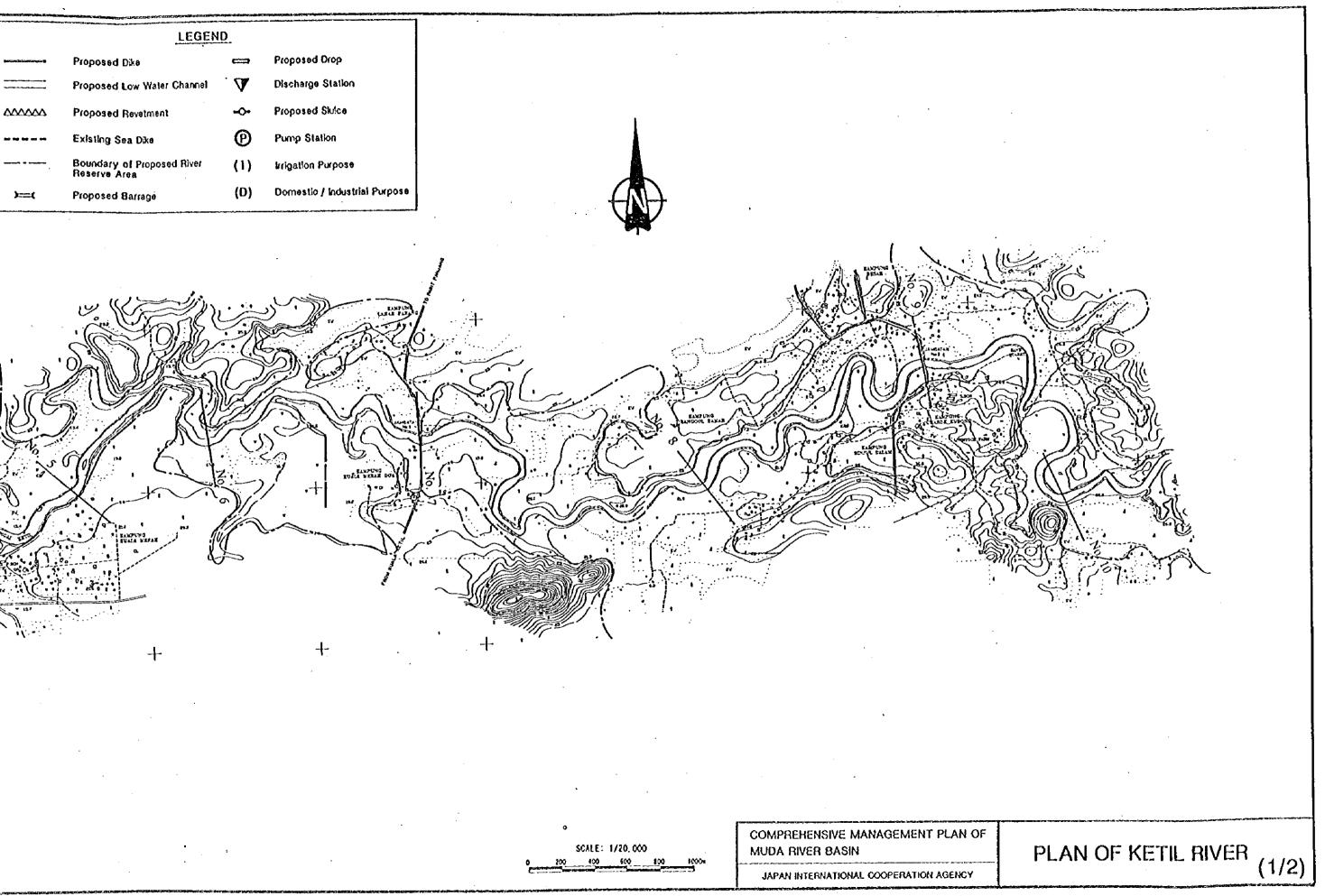
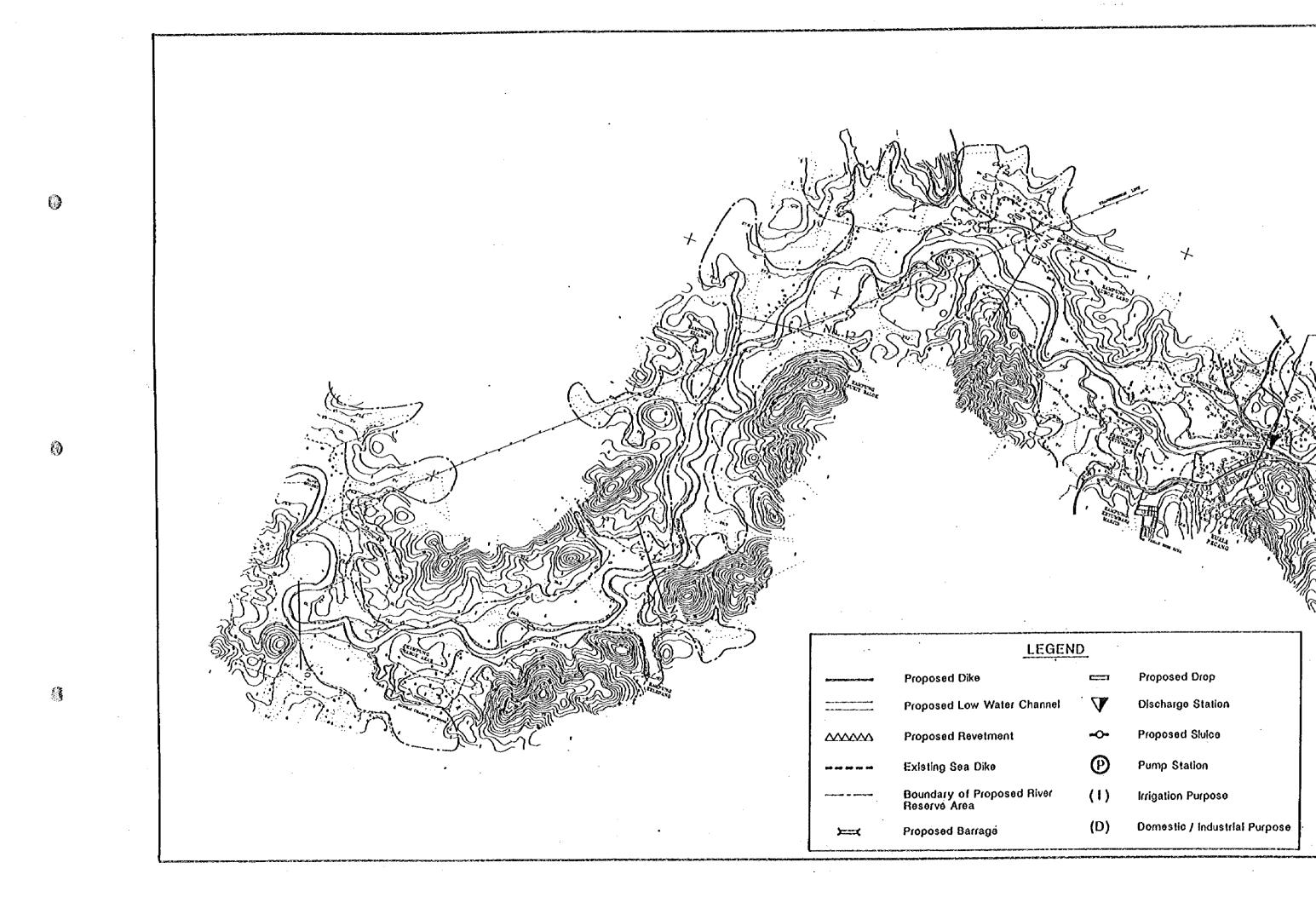
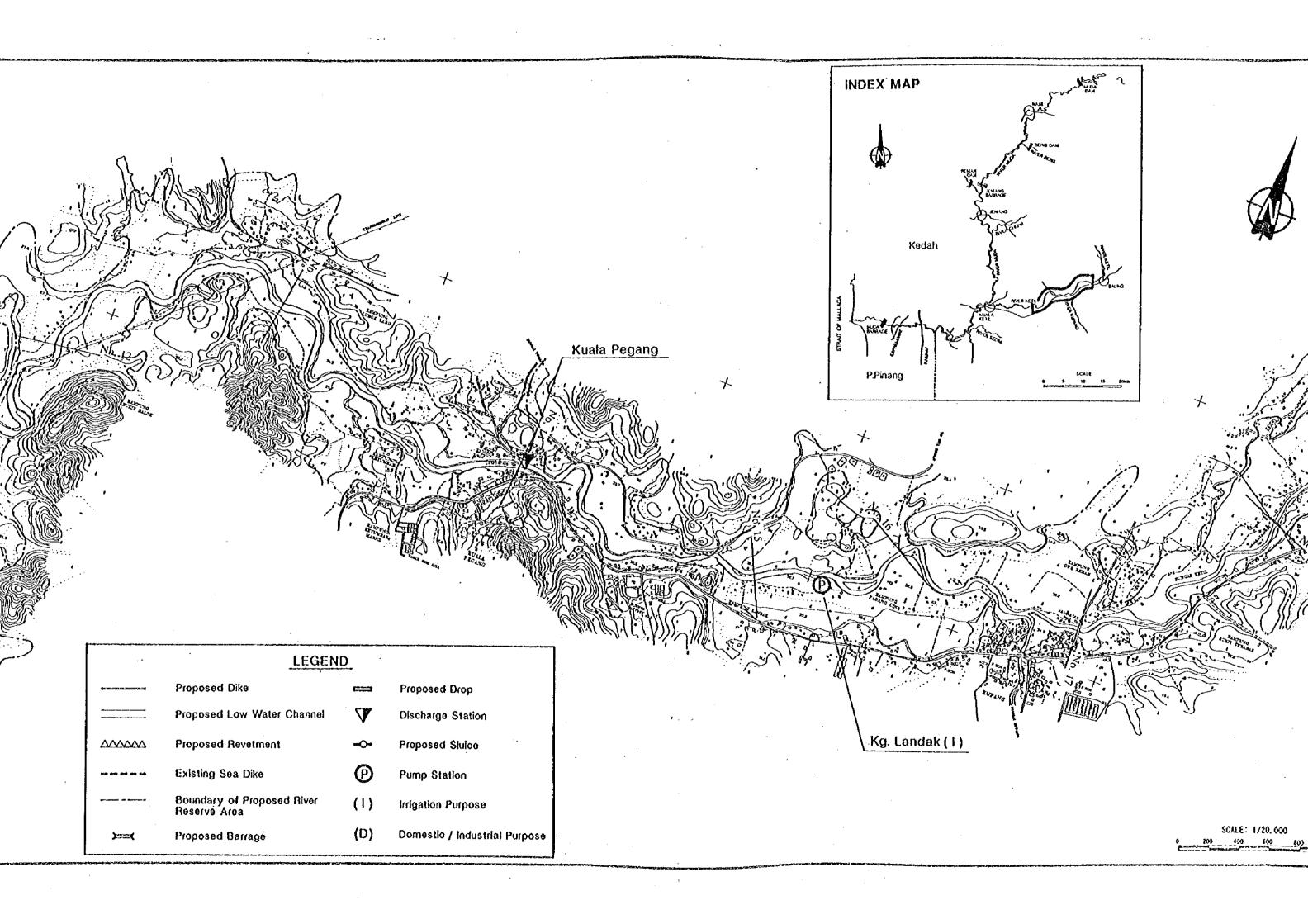
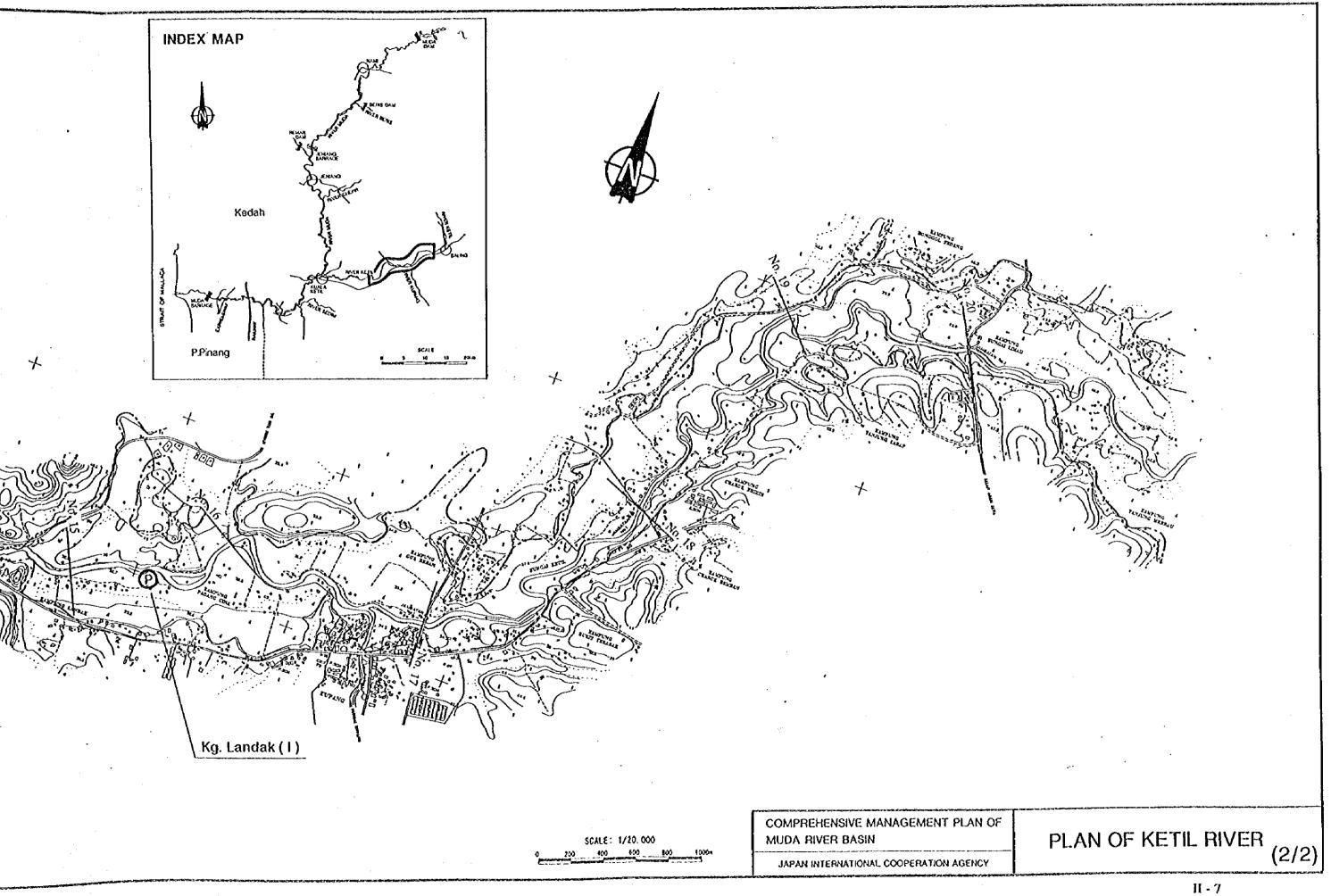


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LABORATORY TEST RESULTS REPORT (RIVER SEDIMENT SURVEY)

Project:
The River Sediment Survey
For
The Study on Comprehensive
Management Plan Of Muda River Basin
in Malaysia

Section One - Report.

Client:
JICA Study Team.
CTI Engineering Co Ltd.
In association with
INA Corporation.

Contractor. Pembinaan Jitu Padat. 282, Jalan Kangar, Perlis, 01000 Kangar, Perlis.

River Sediment Survey for The Study on Comprehensive Management Plan of Muda River Basin

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- 2.0 Site location.
- 3.0 Investigation Objectives.
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Section ii - Attachments.

- Attachment 1 Location Map
- Attachment 2 Results of River Bed Sampling
 - a) Sieve Analysis / Hydrometer test
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- Attachment 3 Results of Bed Load Sampling
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- Attachment 4 Photos.

River Sediment Survey for The Study on Comprehensive Management Plan of Muda River Basin

Report

on

Collection of Samples and Test Results

for

The River Sediment Survey

for

The Study On Comprehensive Management Plan Of Muda River Basin In Malaysia.

1.0 Introduction.

This report presents the test results carried out on the samples for the River Sediment Survey For The Study On Comprehensive Management Plan Of Muda River Basin In Malaysia.

2.0 Site Location.

As called for in the specification we were required to do:

- a) River Bed Material Survey
- b) Bed Load Survey

The site is as per Figure 1

3.0 Investigation Objectives.

The JICA objectives of the investigation are mainly to determine:

- a) the distribution of particle sizes
- b) the specific gravity of river bed materials and

River Sediment Survey for The Study on Comprehensive Management Plan of Muda River Basin

c) the relationship between the water discharge and the sediment transport caused by the tractive form of flowing water

Only results of item (a) and (b) are presented in this report.

4.0 Scope of Work.

Total

In order to accomplished the stated objectives the following works were carried ie.

a) 30 sampling sites along the river channels of Muda River and its major tributaries were selected namely:-

Name of River	Number of Sampling Sites
Muda River	15
Sedim River	2
Karangan River	2
Ketil River	5
Kupang River	2
Chepir River	2
Beris River	2

All samples collected were supervised by the JICA Study team.

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On the whole, quantity of each sample collected were not less than 1 kg.

Particle size analysis (sieve analysis) and specific gravity test was carried on the sample collected.

For fine sample (i.e more than 20% of the particles in weight pass the 75um sieve (200 sieve), hydrometer test was carried out

Report Pg 3
Pembinaan Jitu Padat. Civil Engineering Contractor.

5.0 Results.

5.1 River Bed Materials

5.1.1 Location

Refer Attachment 1

5.1.2 Results Sheets

See Attachment Two

5.2 Bed Load Materials

5.2.1 Location

Refer Attachment 1

5.2.2 Results Sheet

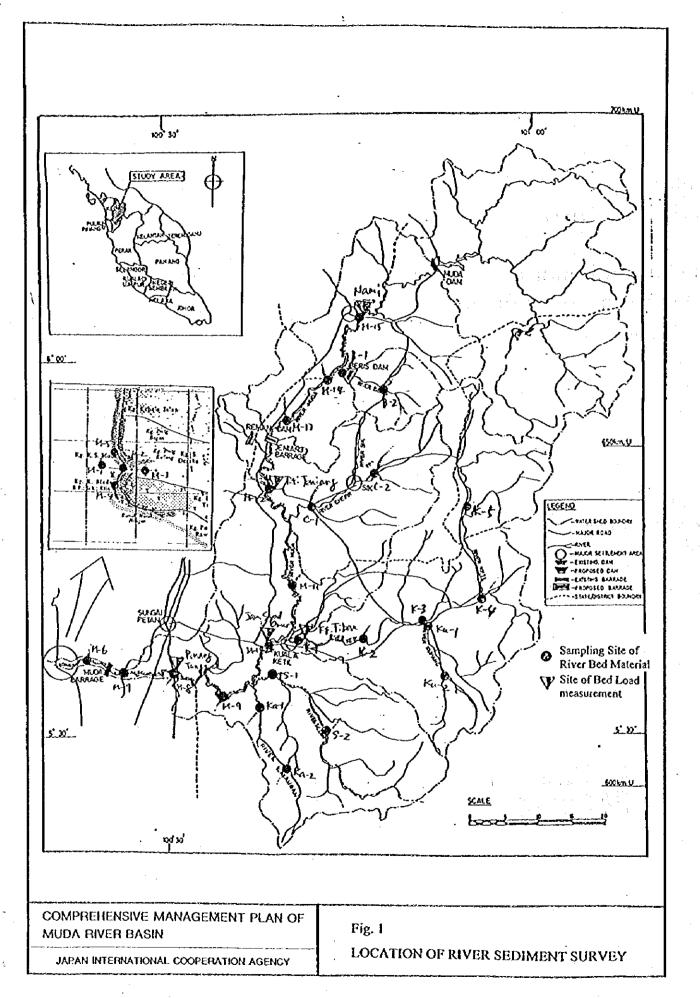
The results is divided up into 5 locations

- i.e a) Pinang Tunggal
 - b) Jambatan Syed Omar
 - c) Kampung Tiban
 - d) Jeniang
 - e) Nami

Refer Attachment Three

6.0 Photos.

Refer Attachment Four.



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Project: The River Sediment Survey For

The Study on Comprehensive Management Plan Of Muda River Basin in Malaysia

Section Two - Attachment.
Attachment One:
Location Map.
Attachment Two:
River Bed Sampling Results.
a. Sieve Analysis / Hydrometer test.
b. Sppecific Gravity test.
Attacement Three:
Bed Load Sampling Results.
a. Sieve Analysis.
Attachment Four:

Client:
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INA Corporation.

a. Photos.

Contractor. Pembinaan Jitu Padat. 282, Jalan Kangar, 01000 Kangar, Perlis.