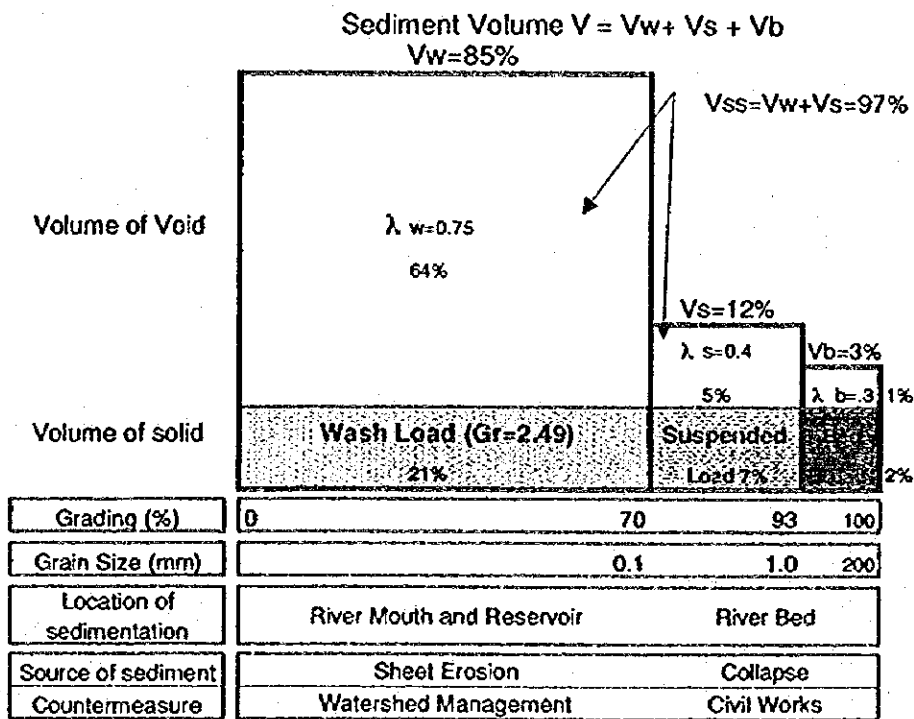


SECTOR E

FIGURES

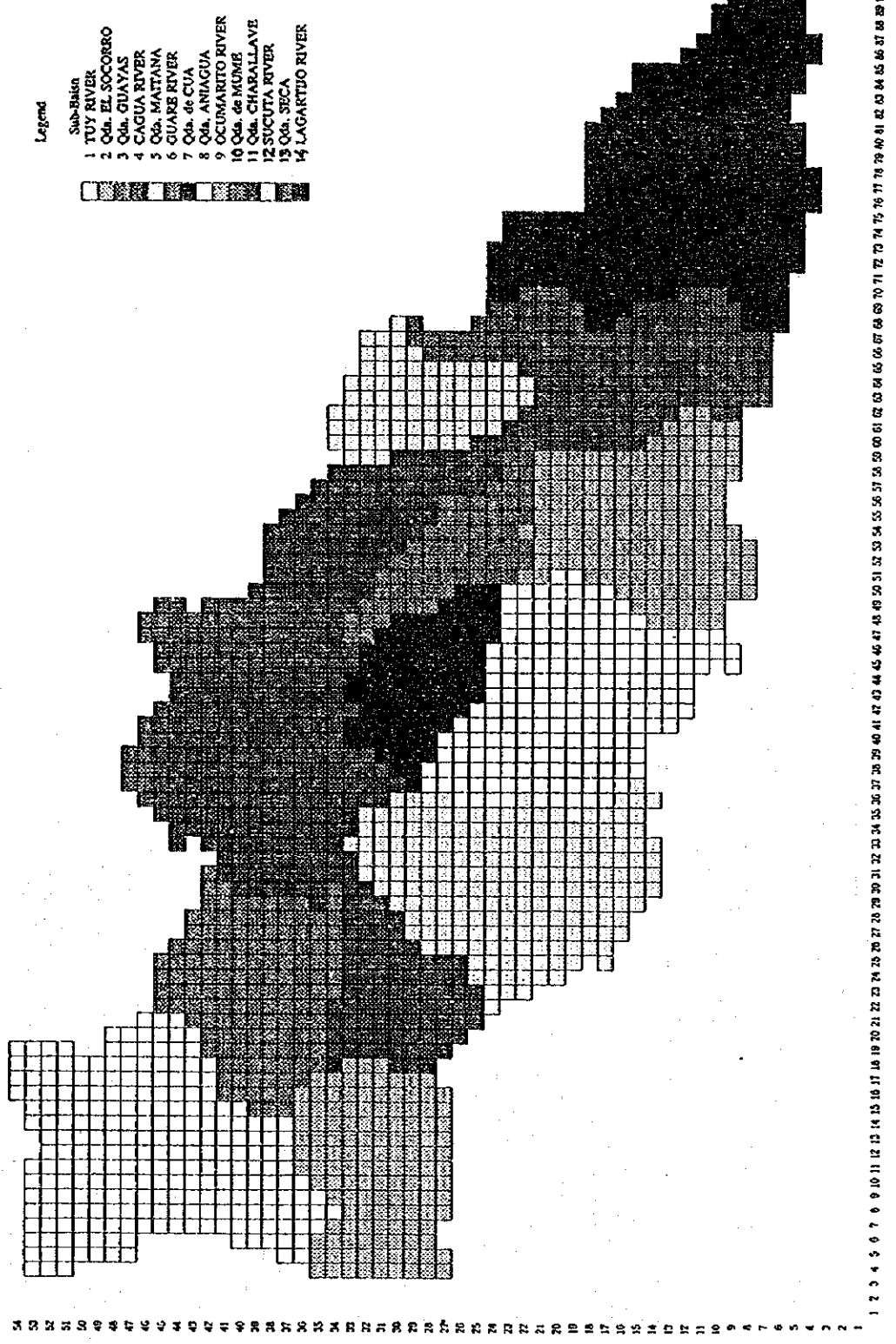




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Fig. 1.2-1 Diagram of Suspended Solid

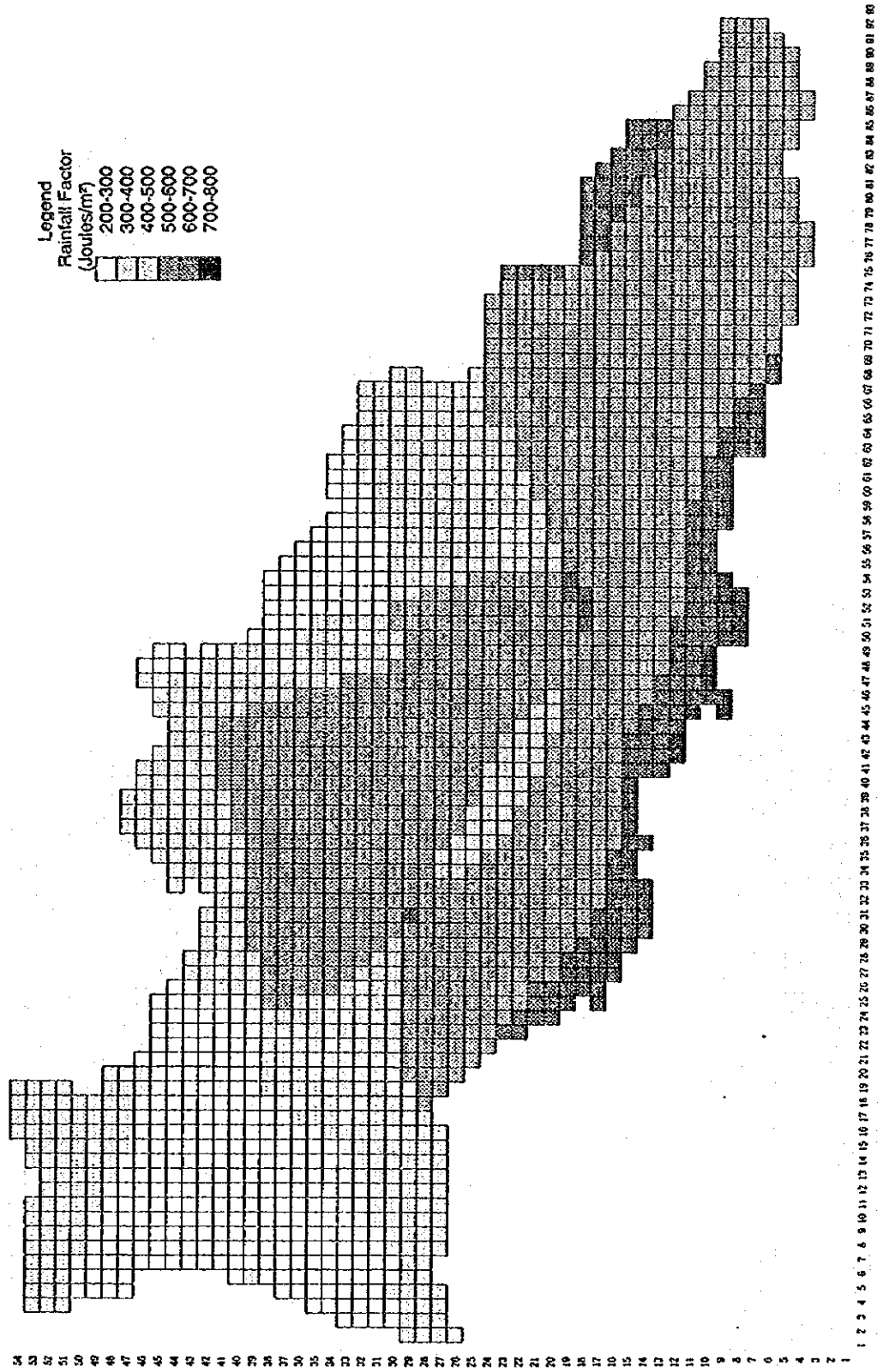


- Legend
- Sub-Basin
- 1 TUY RIVER
 - 2 Oda. EL SOCORRO
 - 3 Oda. GUAYAS
 - 4 CAGUA RIVER
 - 5 Oda. MAITANA
 - 6 GUARE RIVER
 - 7 Oda. de CUA
 - 8 Oda. ANIAGUA
 - 9 OCUMARITO RIVER
 - 10 Oda. de MOME
 - 11 Oda. CHARALLAVE
 - 12 SUCUTA RIVER
 - 13 Oda. SECA
 - 14 LAGARTIJO RIVER

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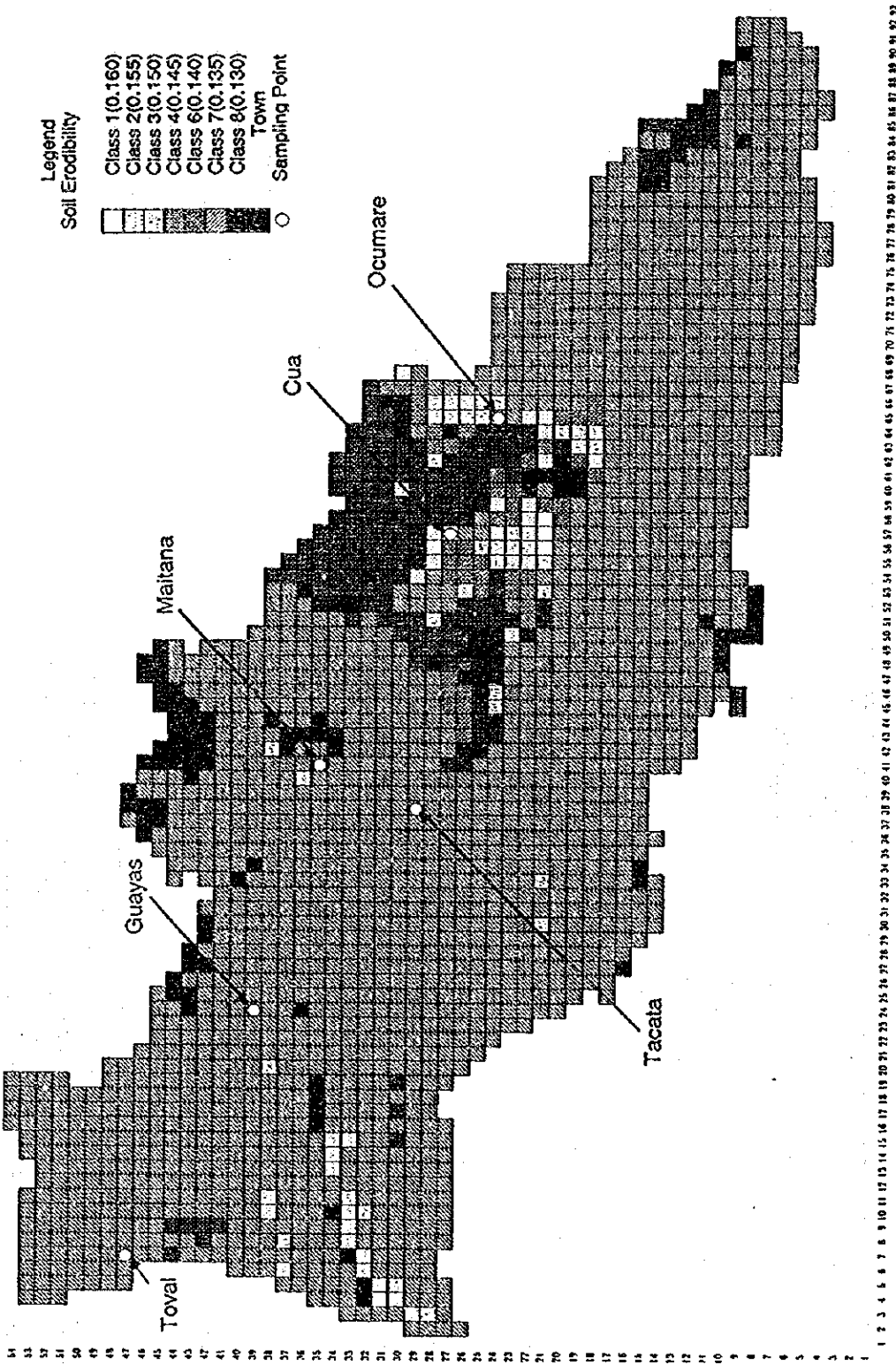
Fig. 1.3-1 Tributaries by 1x1 km Mesh



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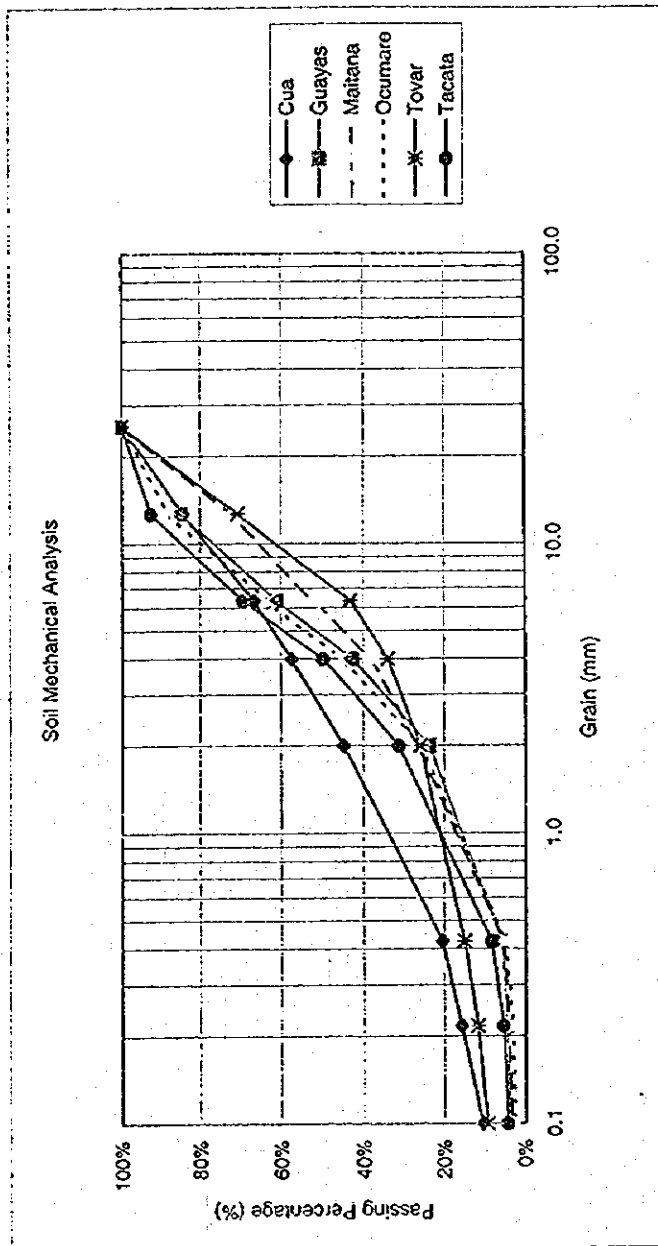
Fig. 1.3-2 Rainfall Factor by 1x1 km Mesh



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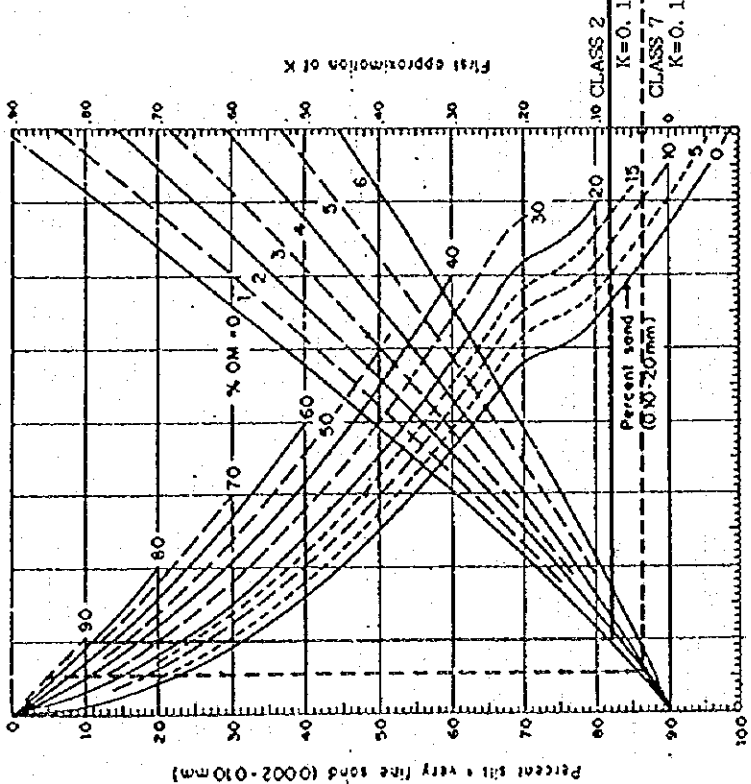
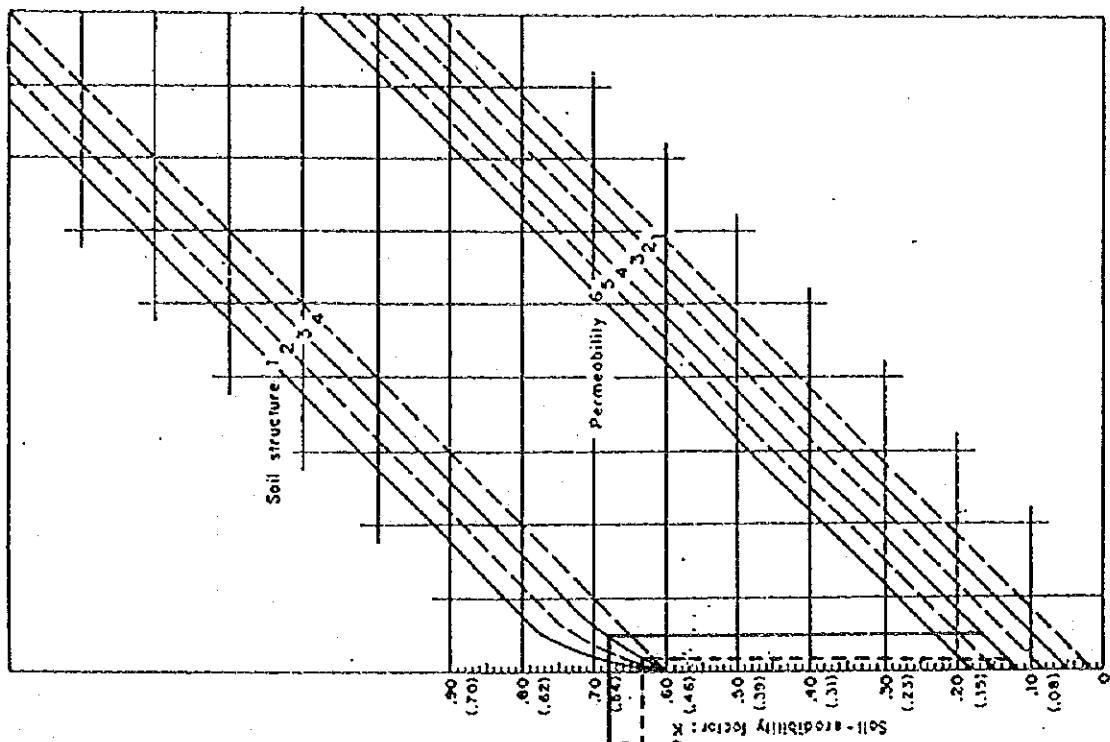
Fig. 1.3-3 Soil Erodibility Factor by 1x1km Mesh



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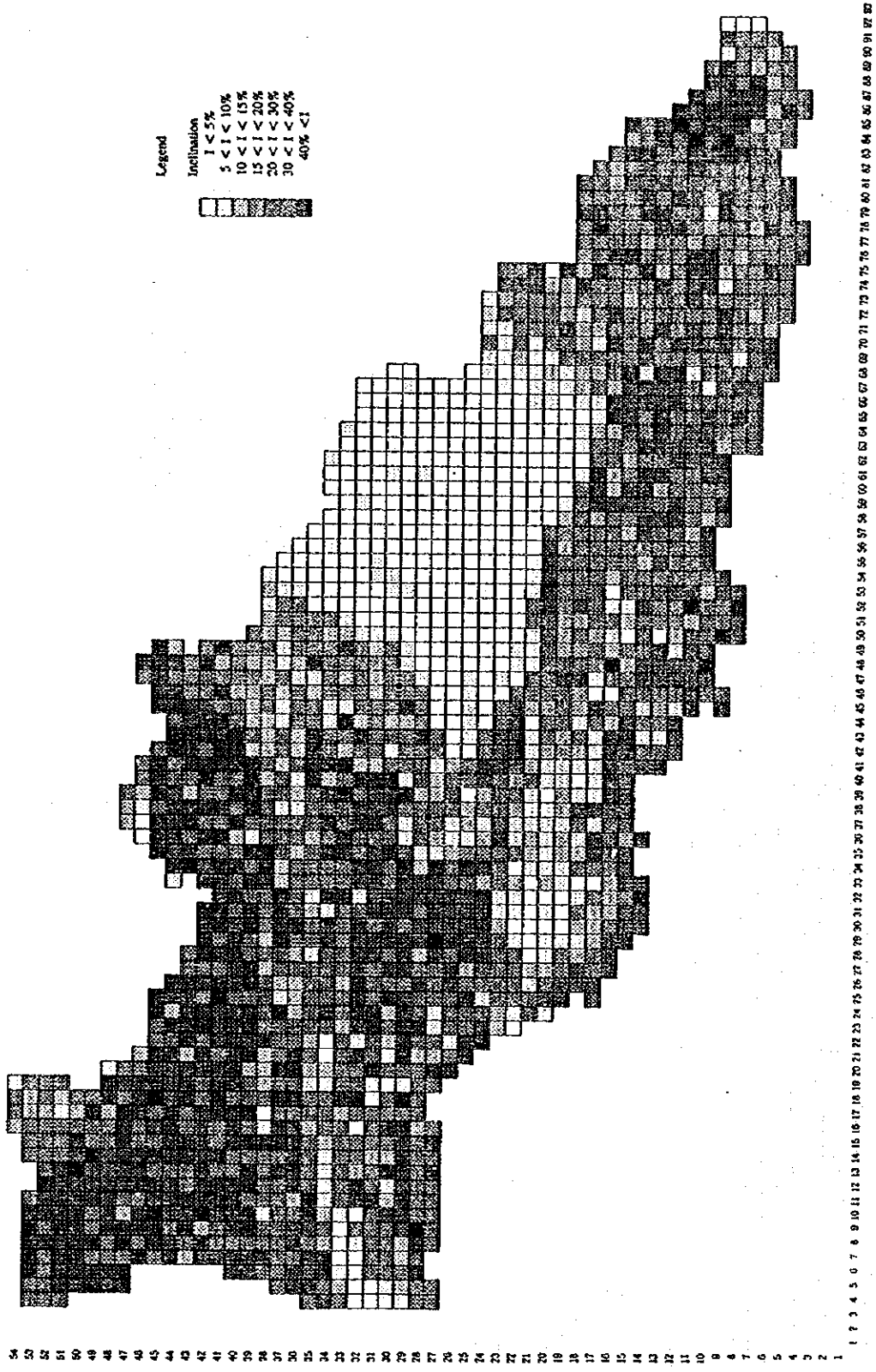
Fig. 1.3-4 Result of soil Mechanical Analysis



SOIL-ERODIBILITY NOMOGRAPH
(METRIC SYSTEM)

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Fig. 1.3-5 Soil-Erodibility Nomograph



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Fig. 1.3-6 Inclination by 1x1km Mesh



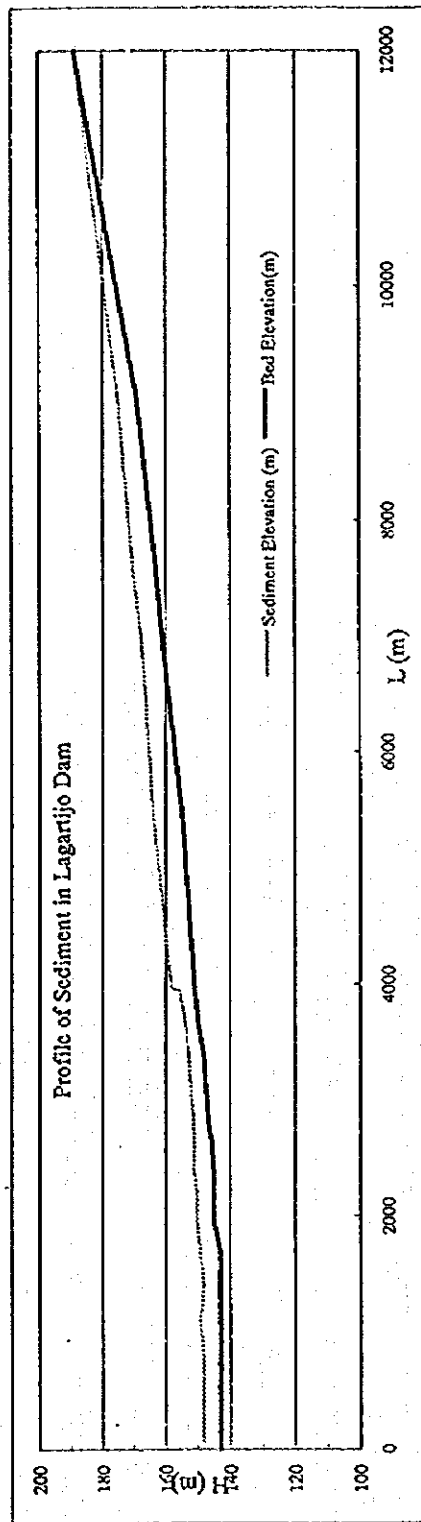
Legend
Land Use

- Forest
- Bush
- Sab. Abierta
- Sab. Chaparro
- Sab. Bosque
- Grass
- Agricultor
- Town

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Fig. 1.3-7 Land Use by 1x1km Mesh

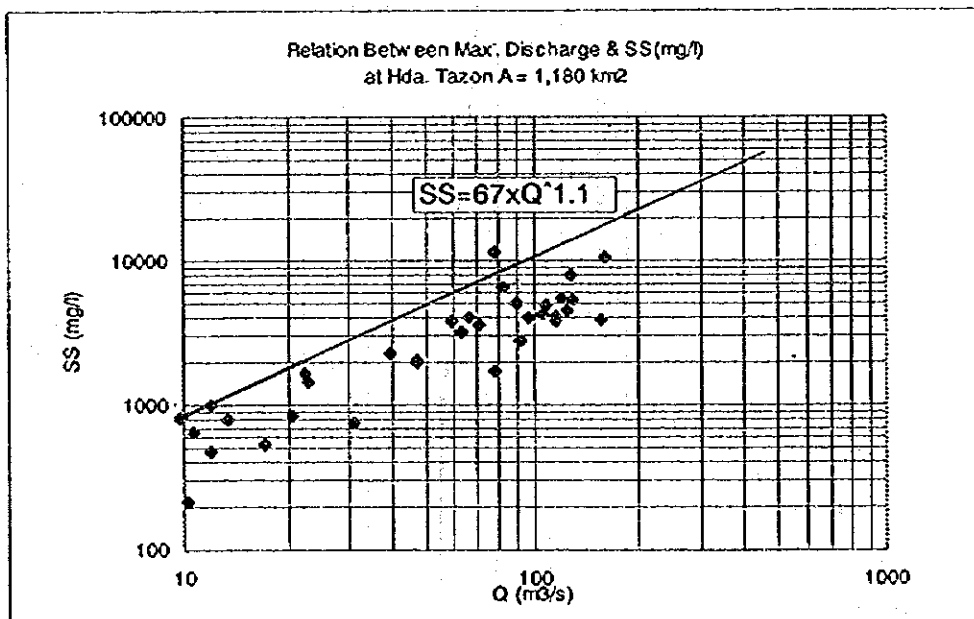
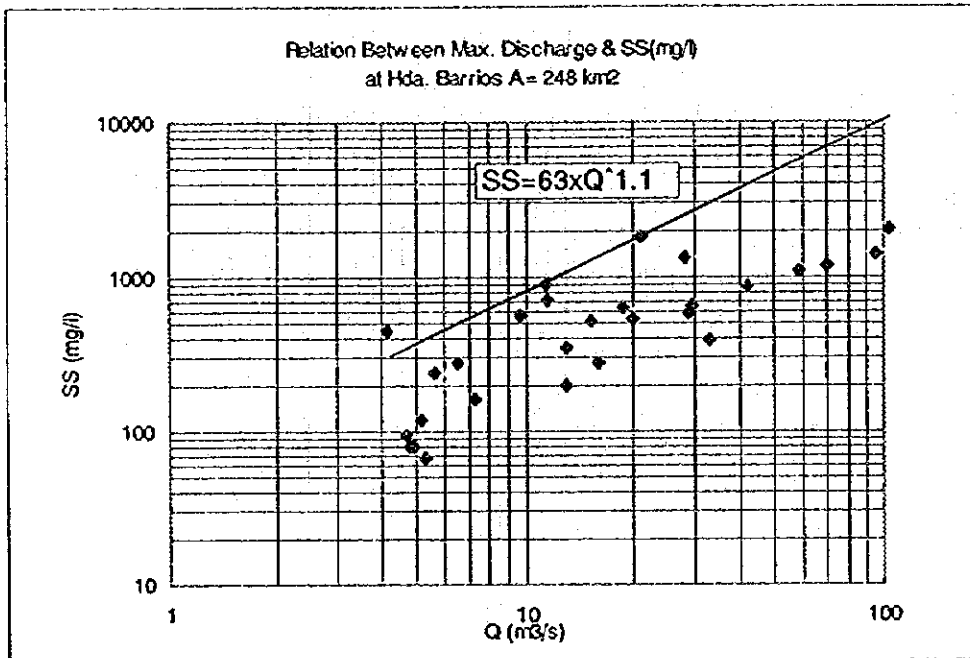


Sediment Volume without Bed Load = Total Volume $\times 97\% = 2,745,600 \times 0.97 = 2,663,230 \text{ m}^3$

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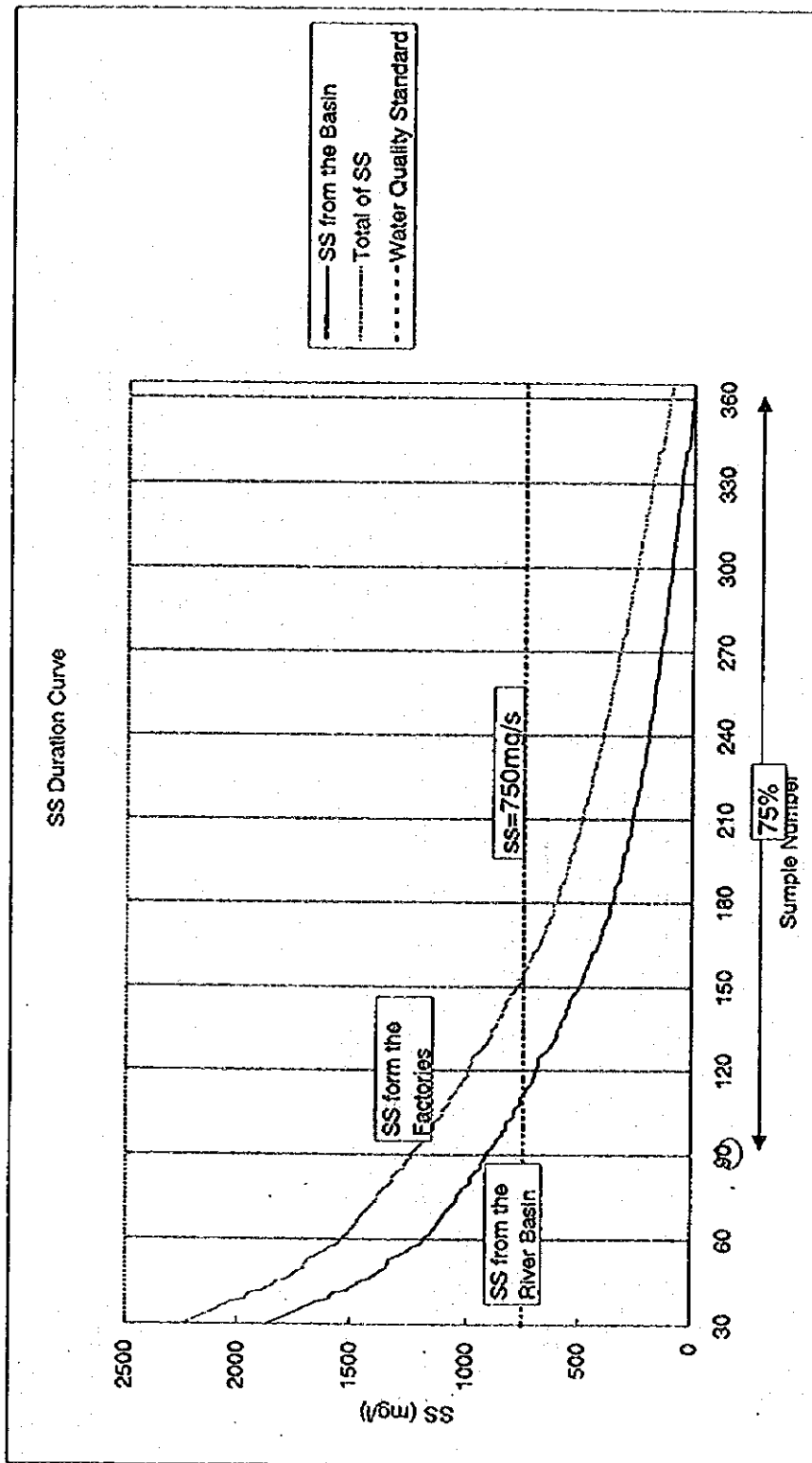
Fig. 1.3-8 Sedimentation Profile in
Lagartijo Reservoir



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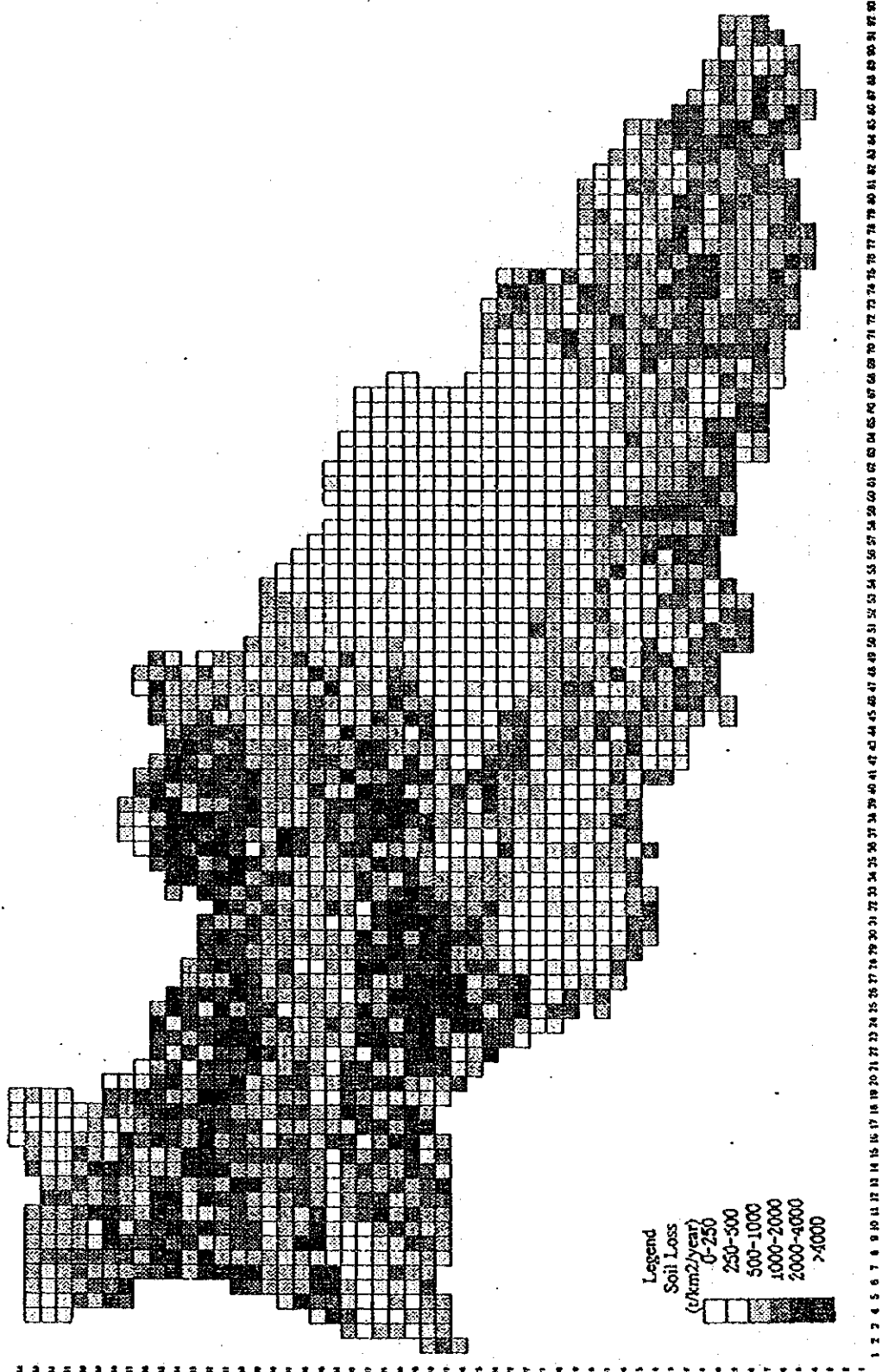
Fig. 1.4-1 Relation between Discharge
and SS



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Fig. 1.5-1 Suspended Solid Duration Curve

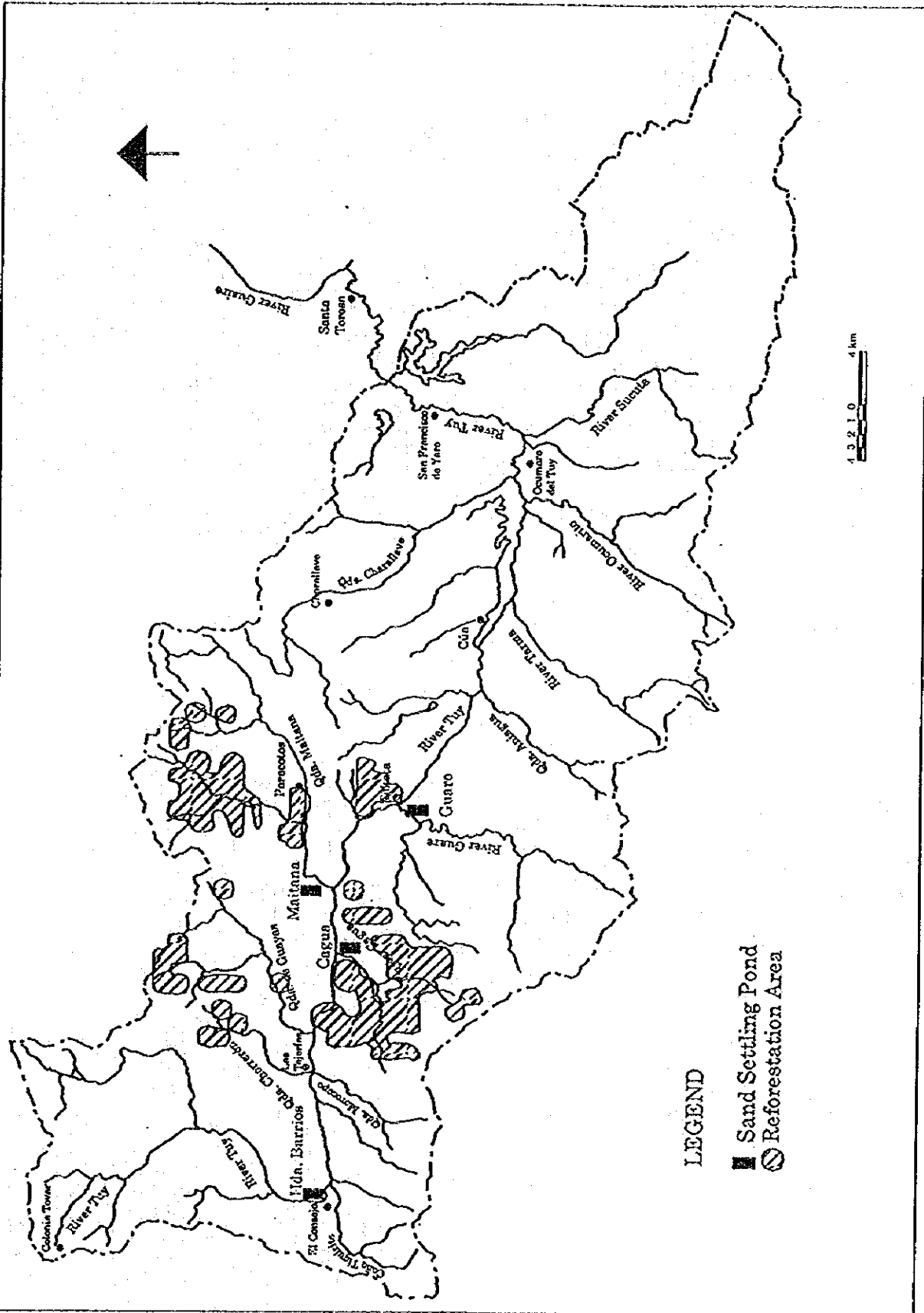


Legend
 Soil Loss
 (t/km²/year)
 0-250
 250-500
 500-1000
 1000-2000
 2000-4000
 >4000

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93

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Fig. 2.2-1 Basin's Erosion by 1x1km Mesh



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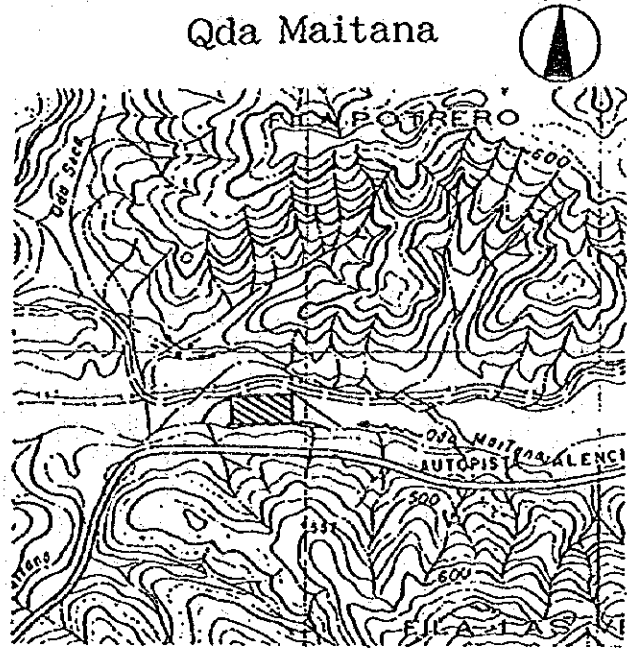
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Fig. 3.3-1 Location of Sand Settling Pond and Reforestation Area

Upper Tuy (Hda. Barrios)



Qda Maitana



Cagua



Guare

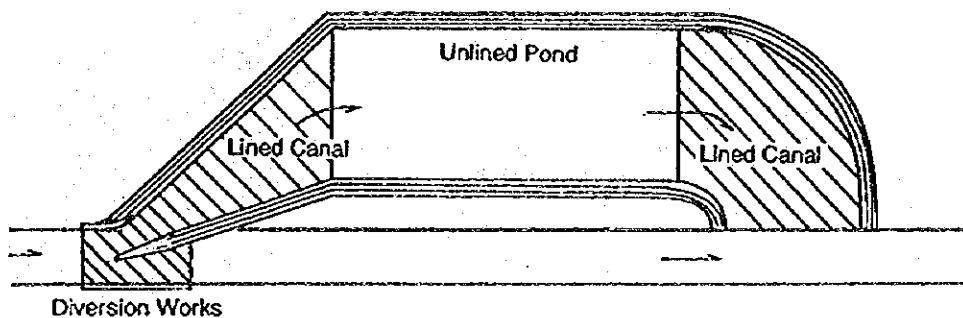


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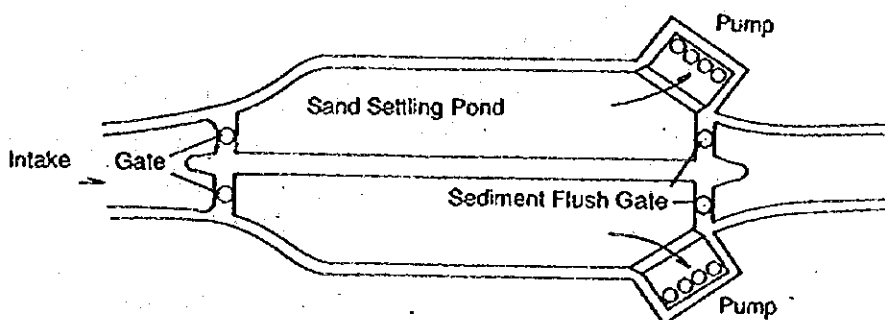
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Fig. 3.3-2 Location of Sand Settling Pond
 on Tributaries

Sand Settling Pond on Tributaries



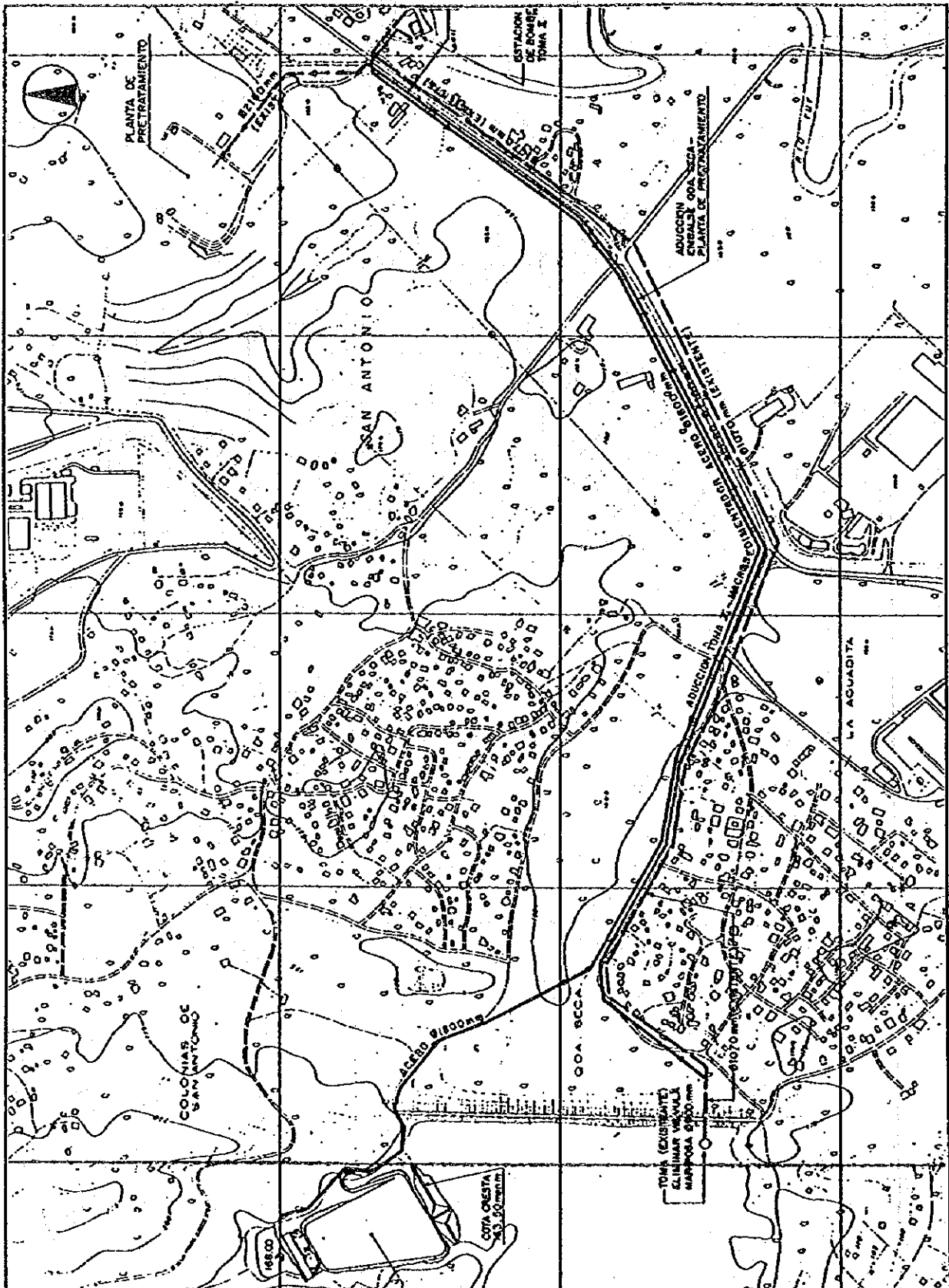
Sand Settling Pond at Intake



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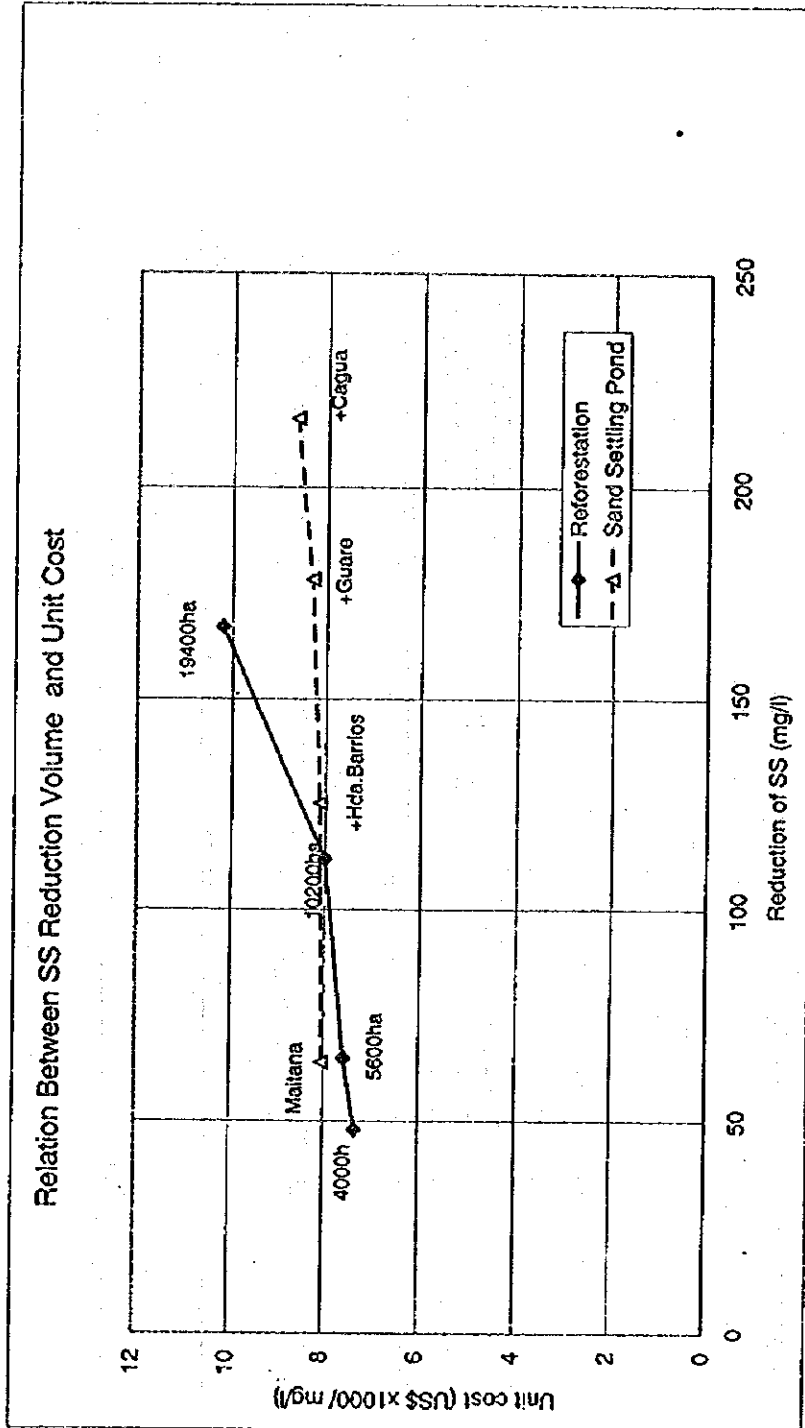
Fig. 3.3-3 Sketch of Sand Settling Pond
on Tributaries and at Intake



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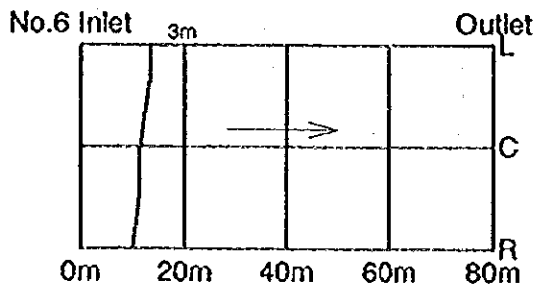
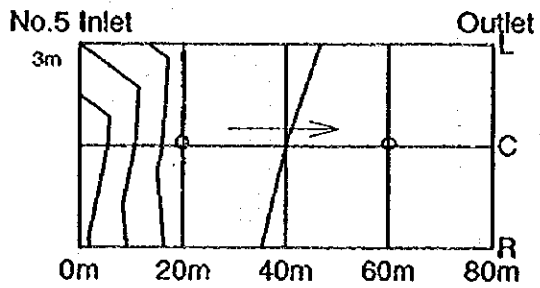
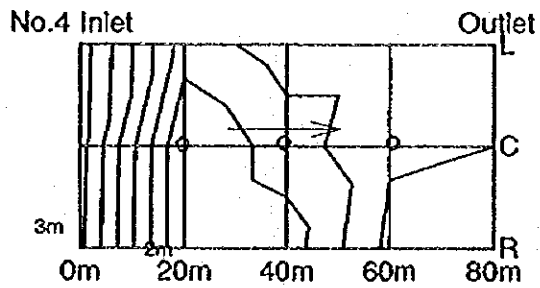
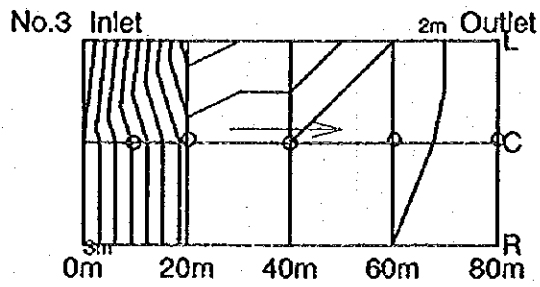
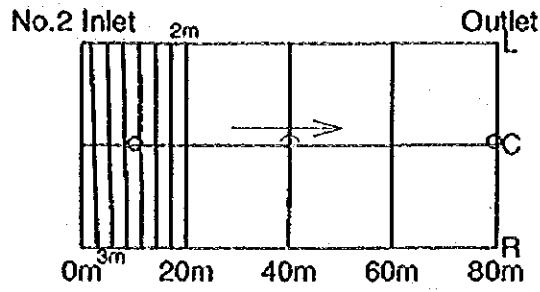
Fig. 3.3-4 Plan of Pipeline from Intake to
 Settling Pond in Qda. Seca



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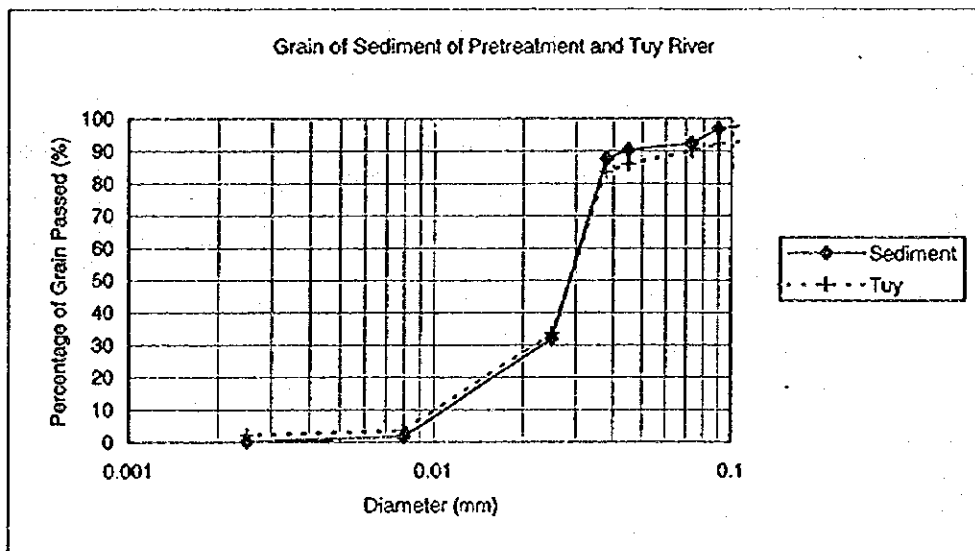
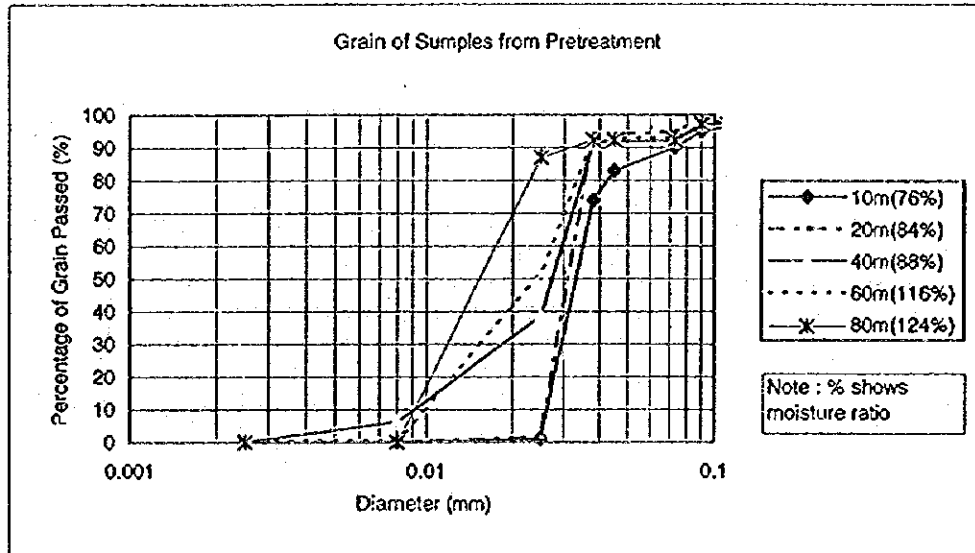
Fig. 3.4-1 Relation between SS Reduction
Volume and Unit Cost



Notes : Pond No.1 was being cleaning.
 :o Is Sampling Point.

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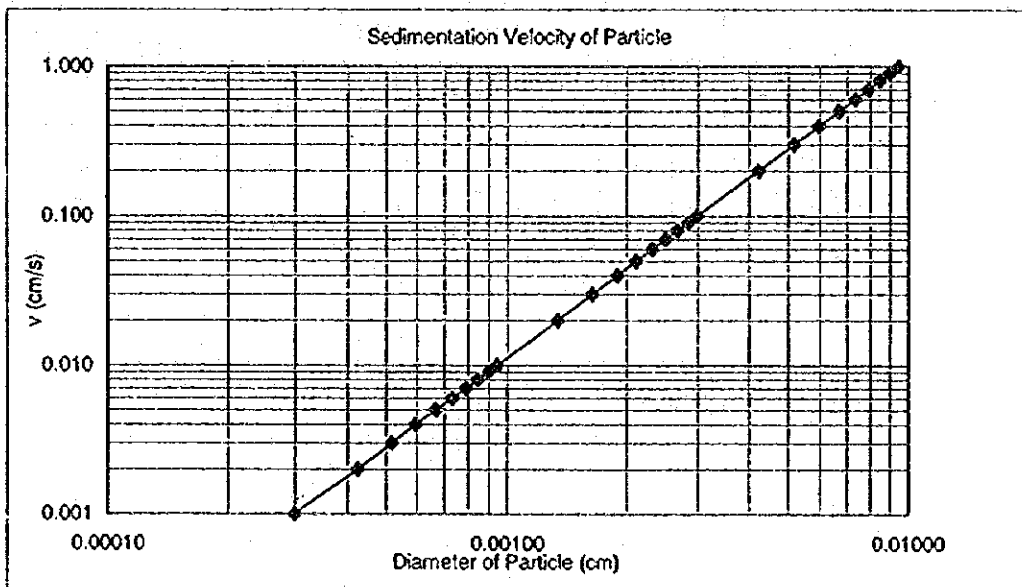
Fig. 4.1-1 Formation of Sediment in
 Pre-treatment Ponds



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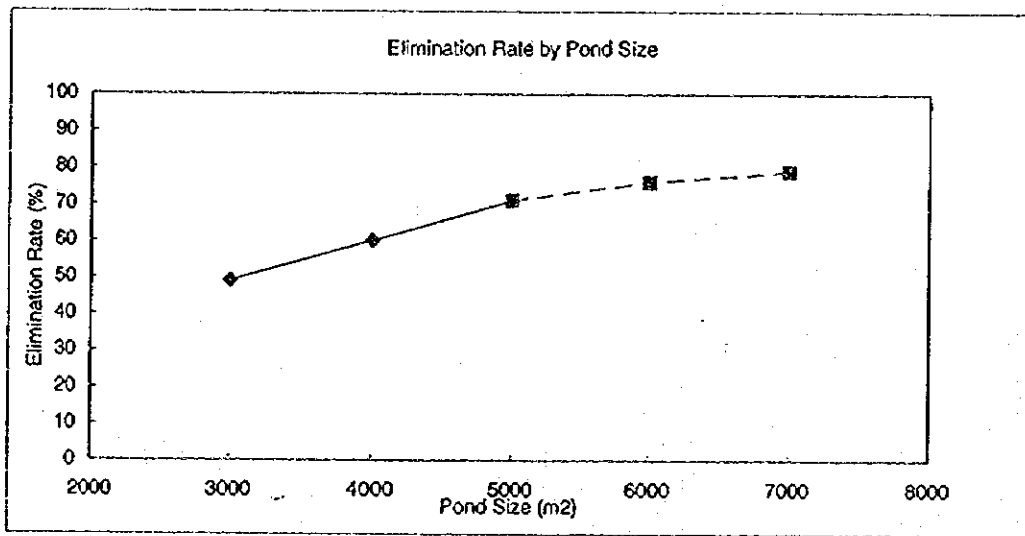
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Fig. 4.1-2 Grain of Samples from Pretreatment



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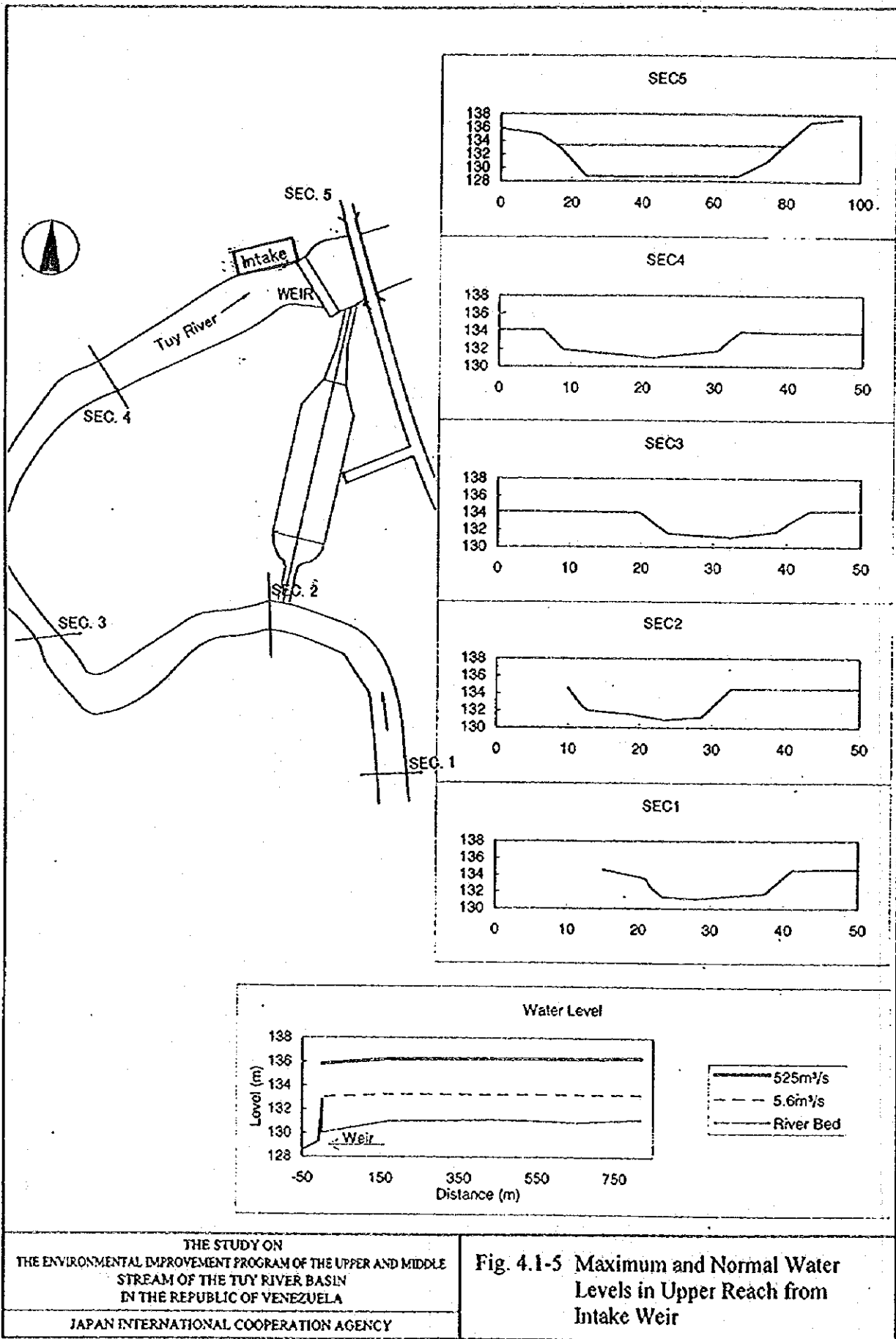
Fig. 4.1-3 Sedimentation Velocity of Particle



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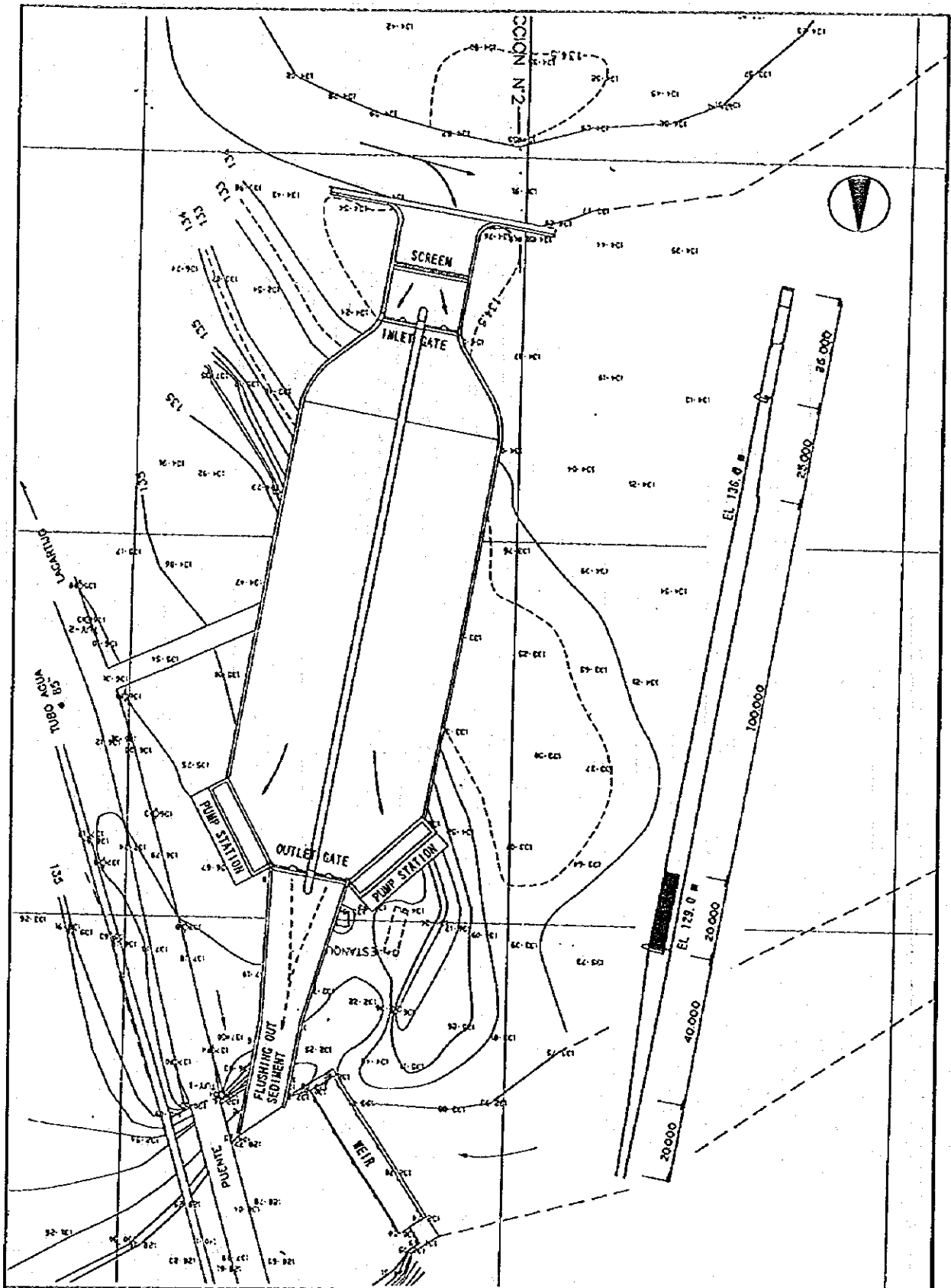
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Fig. 4.1-4 Sediment Elimination Rate by
 Pond Size



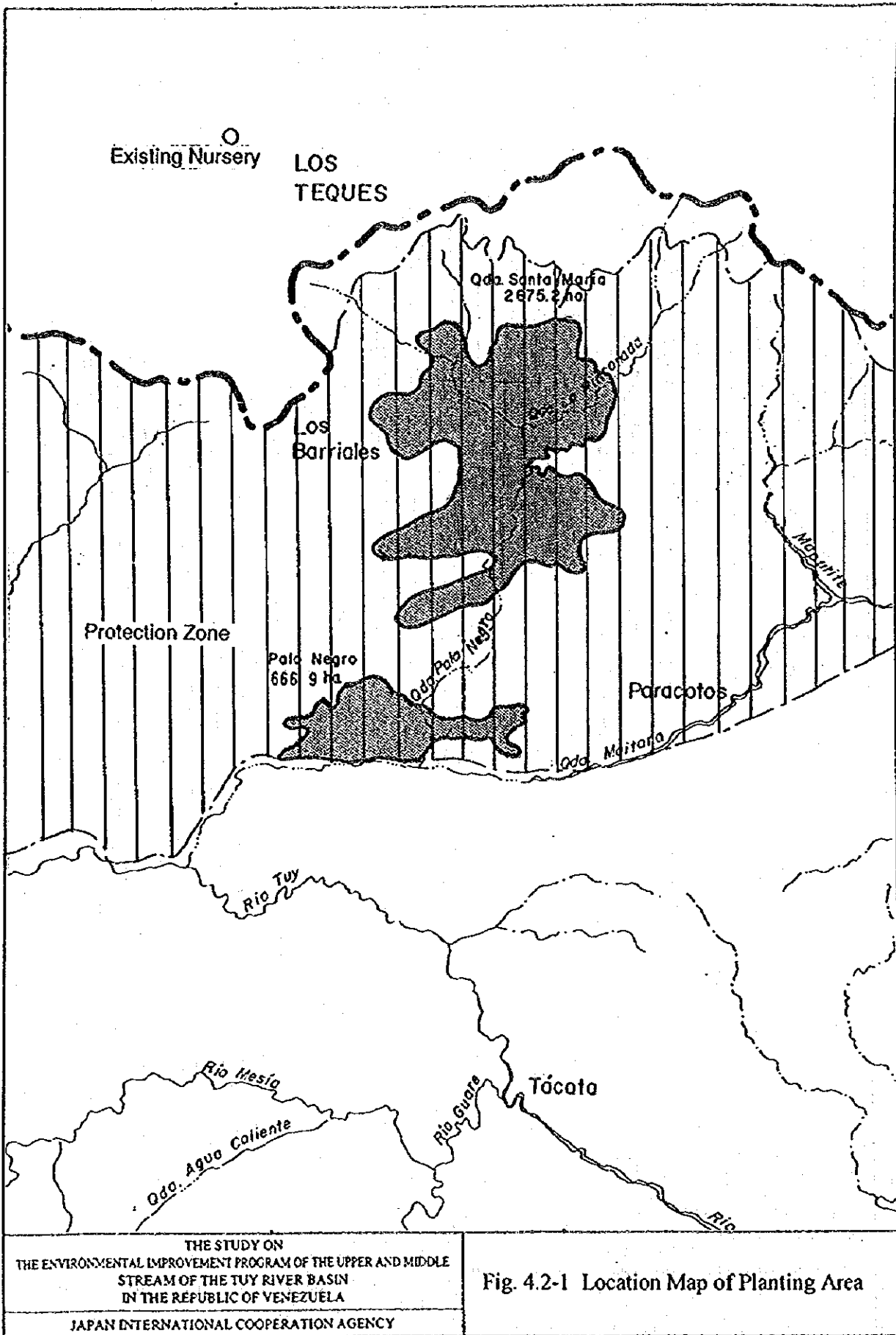
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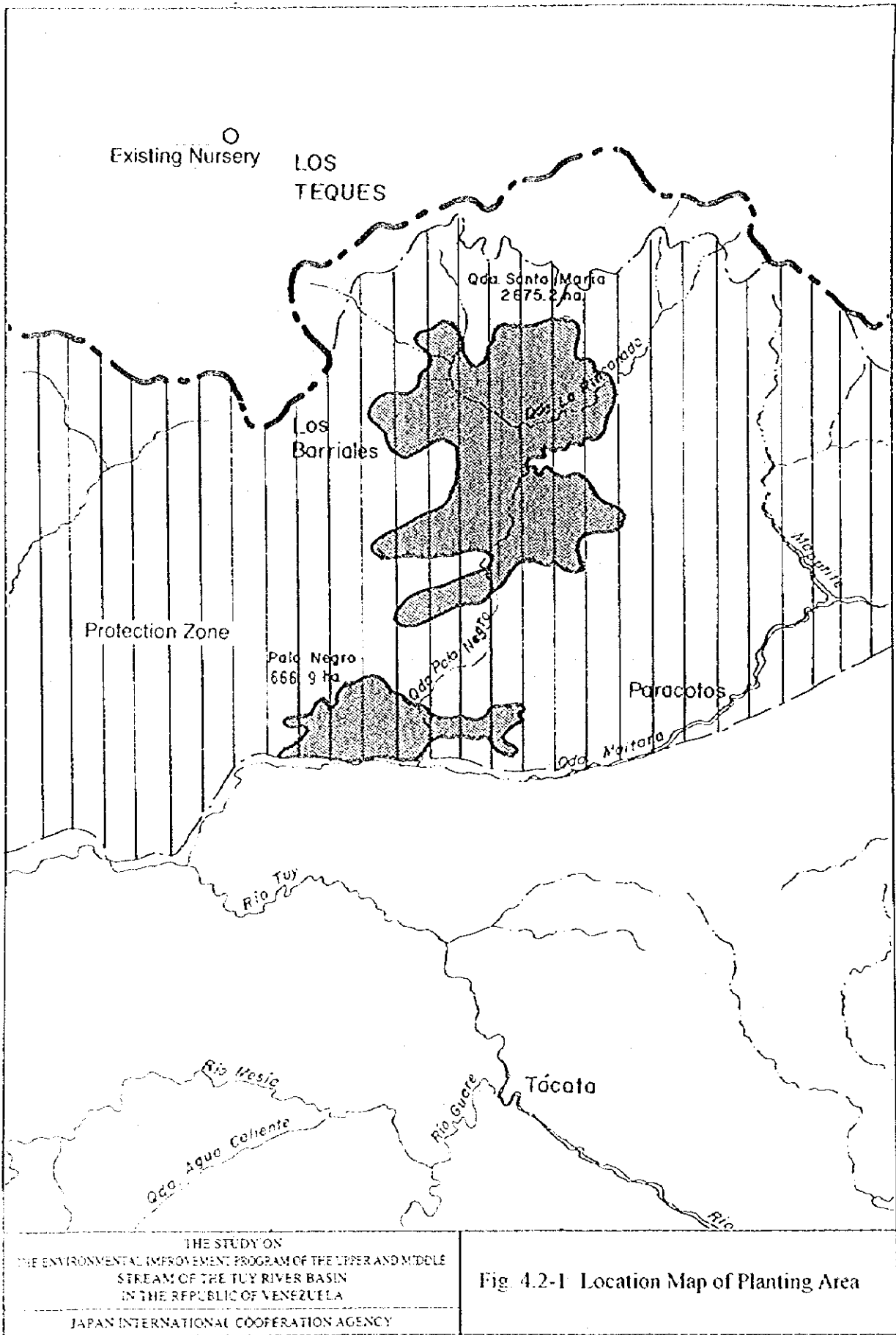
Fig. 4.1-5 Maximum and Normal Water Levels in Upper Reach from Intake Weir

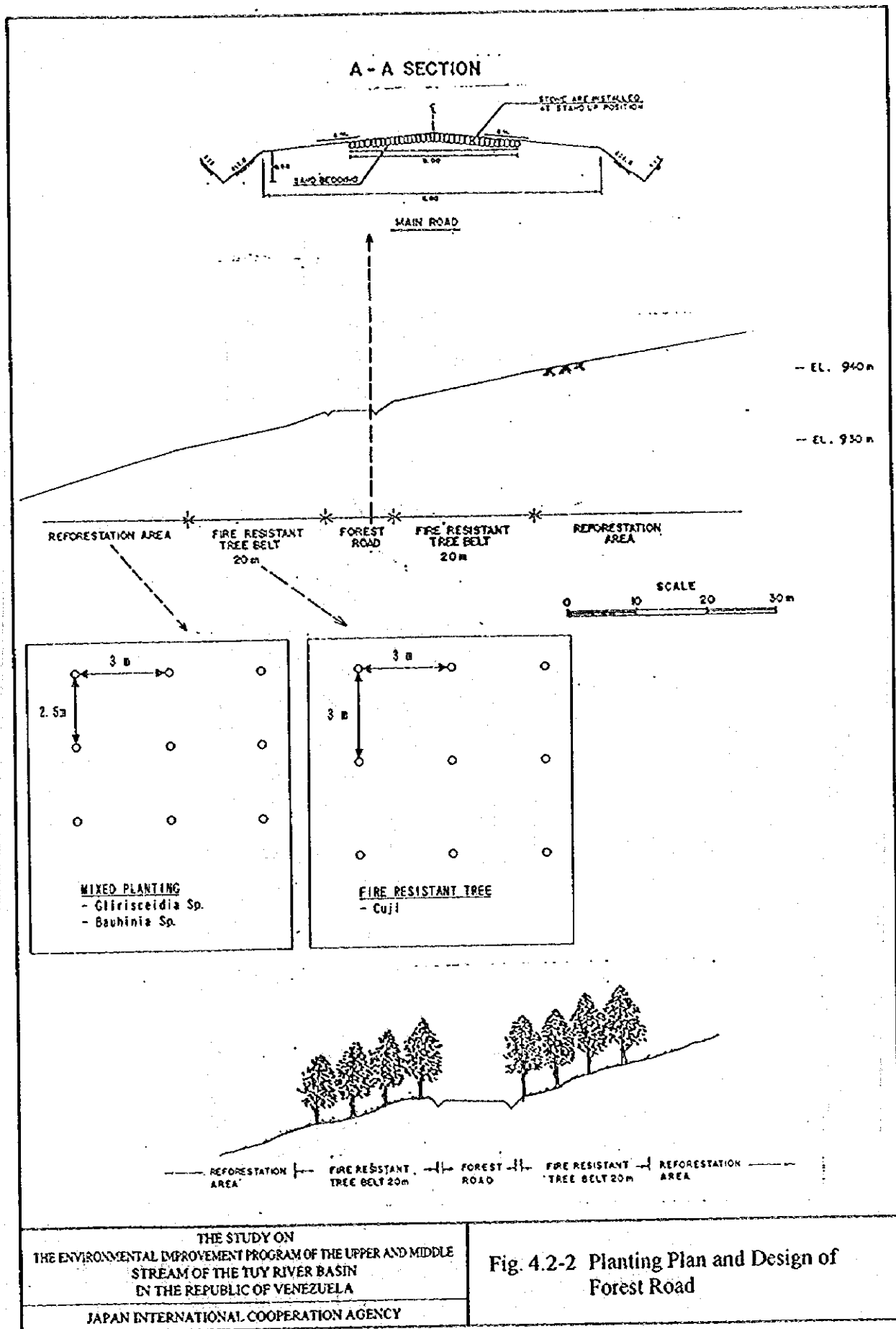


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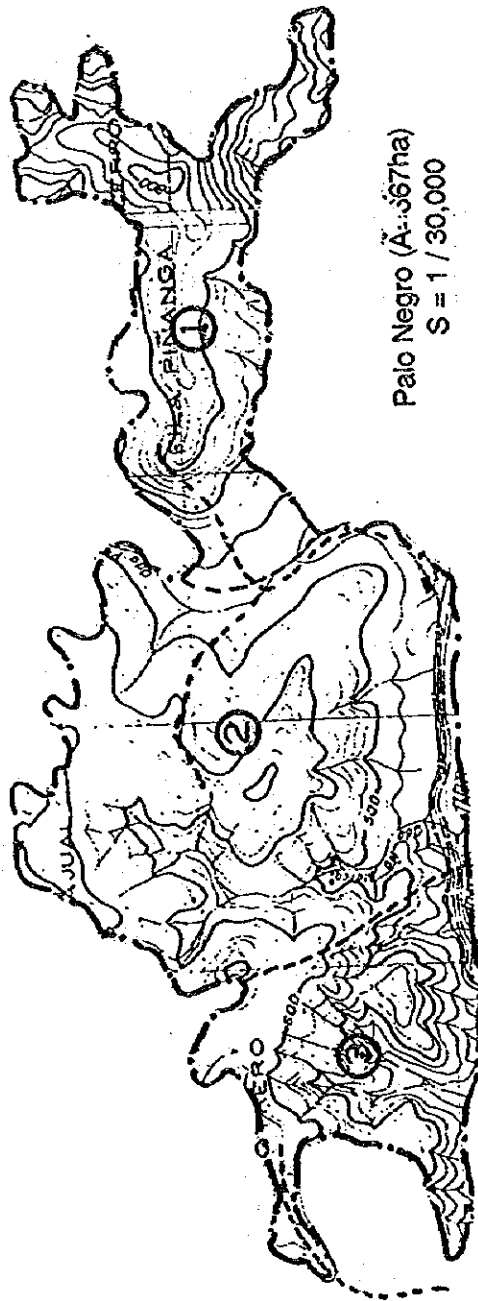
Fig. 4.1-6 Design of the Sand Settling Pond







4

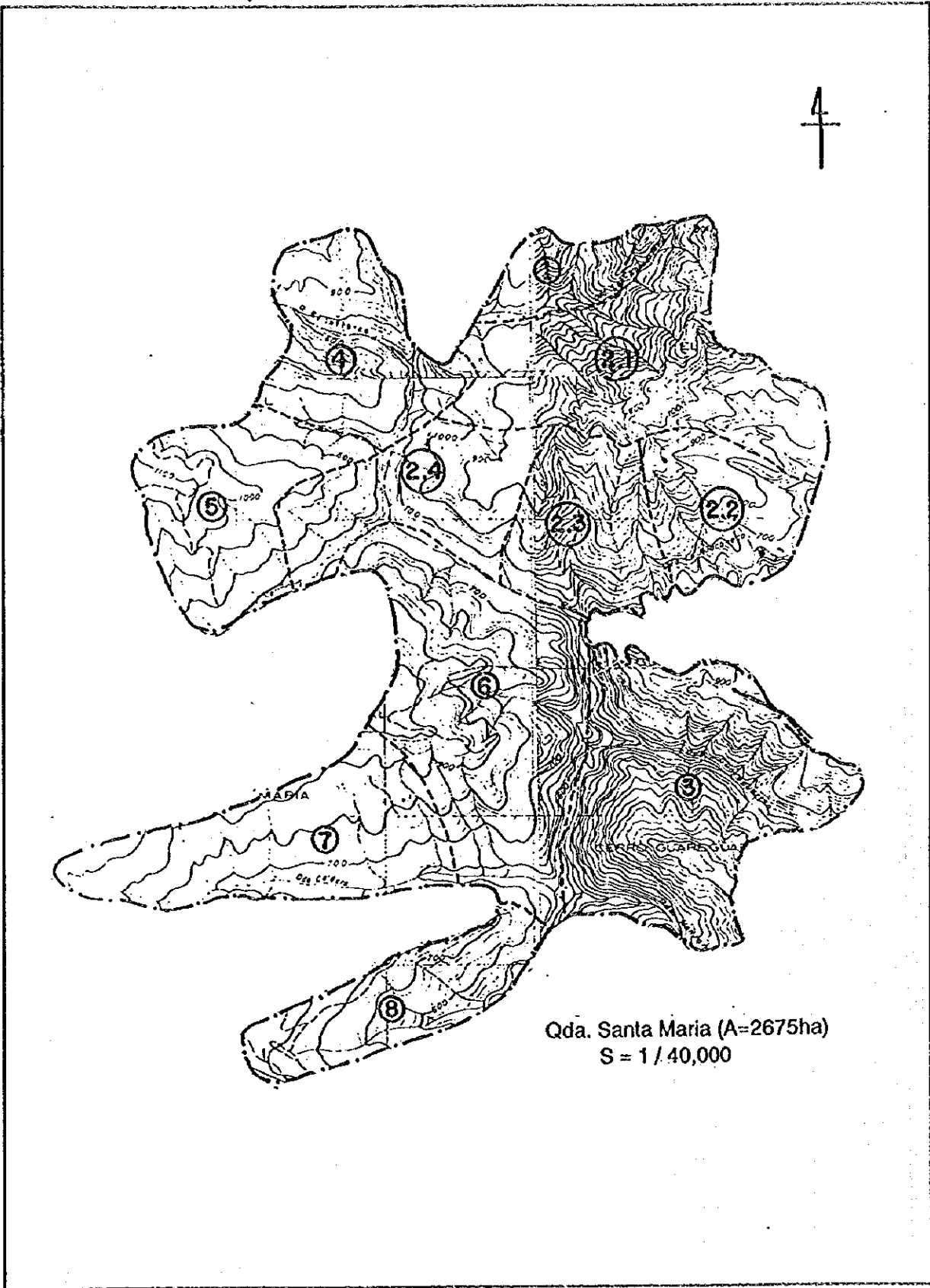


Palo Negro (A: 367ha)
S = 1 / 30,000

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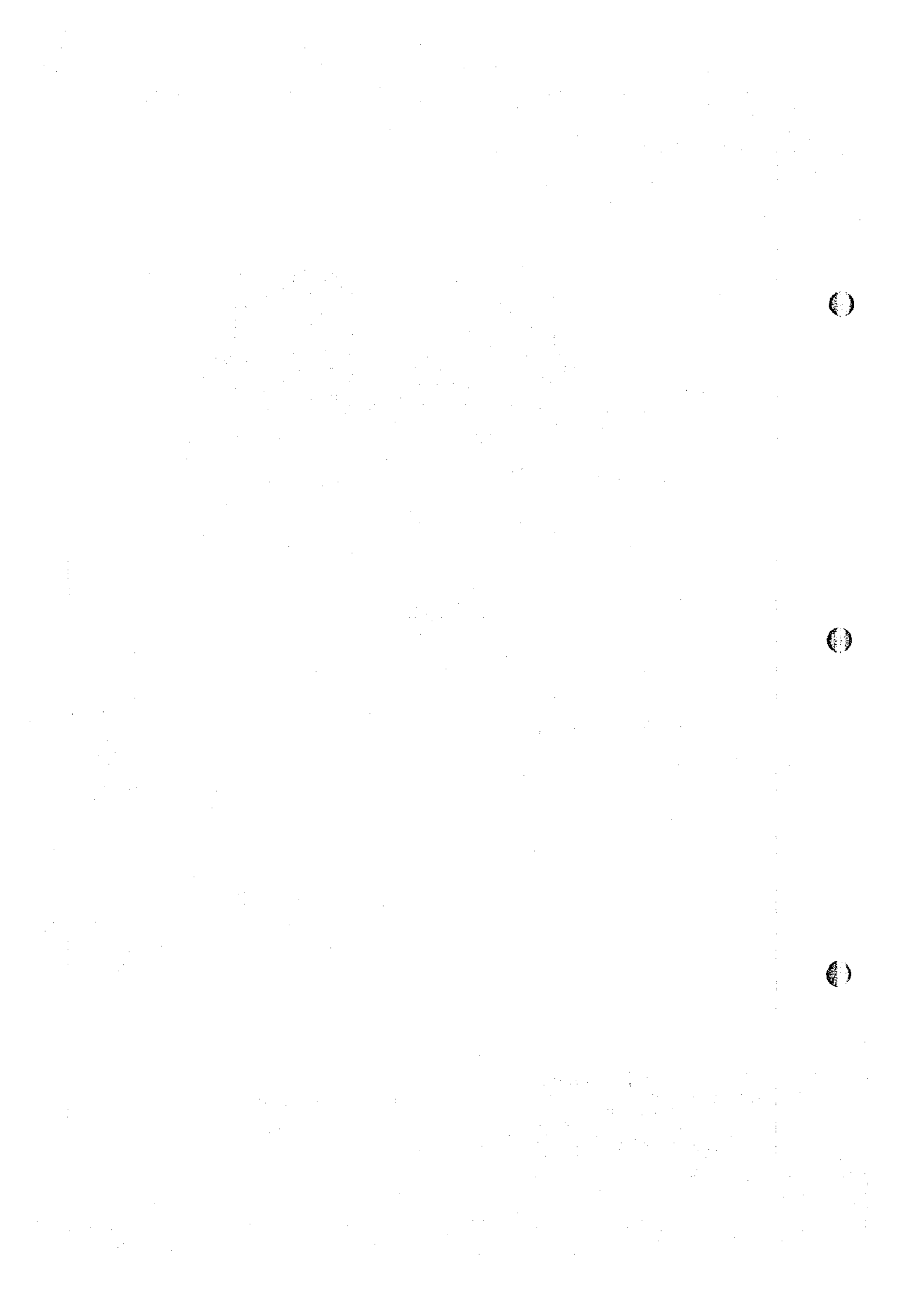
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Fig. 4.2-3 Compartments of Block of
(1/2) Planting Area

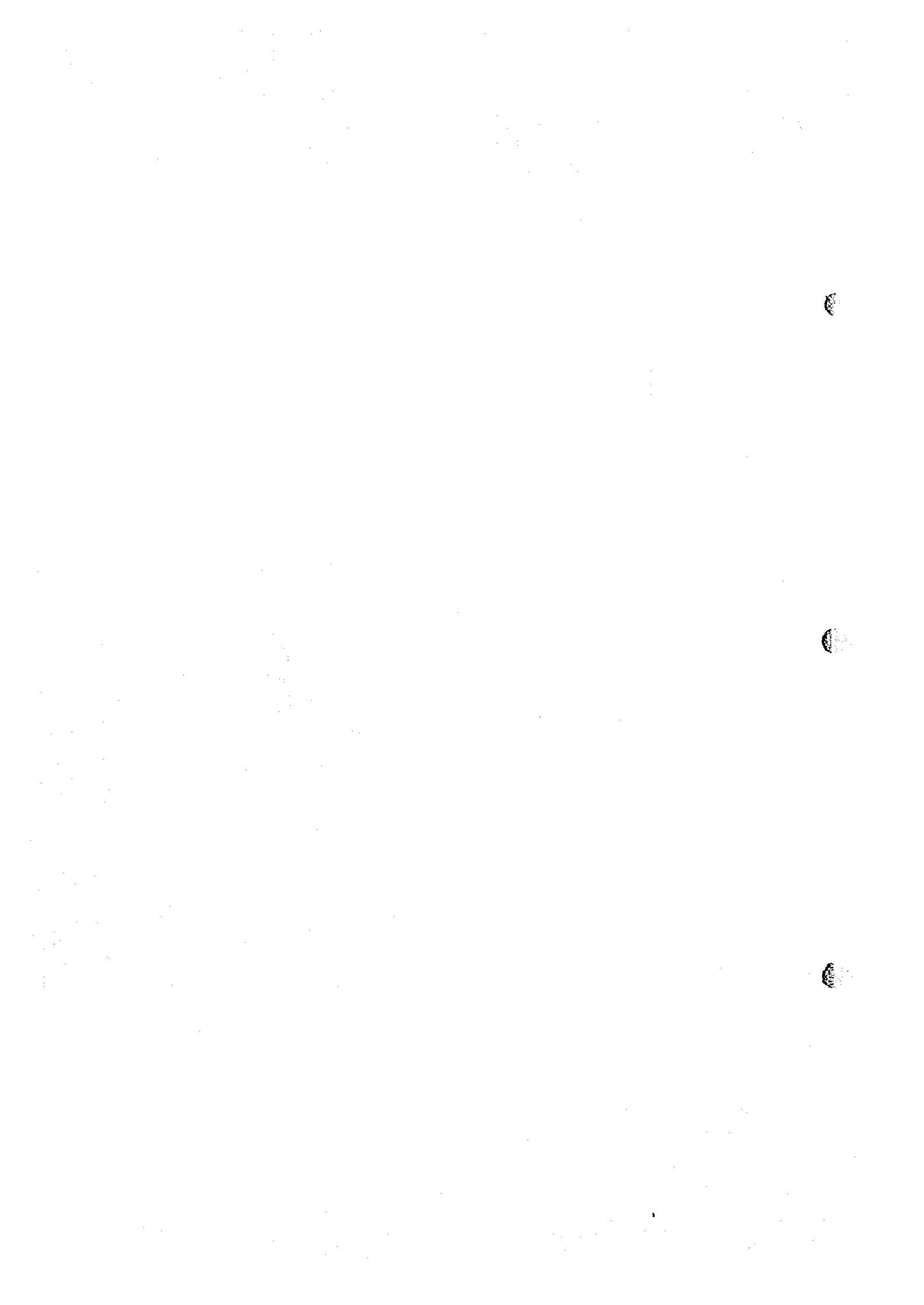


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Fig. 4.2-3 Compartments of Block of
(2/2) Planting Area







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