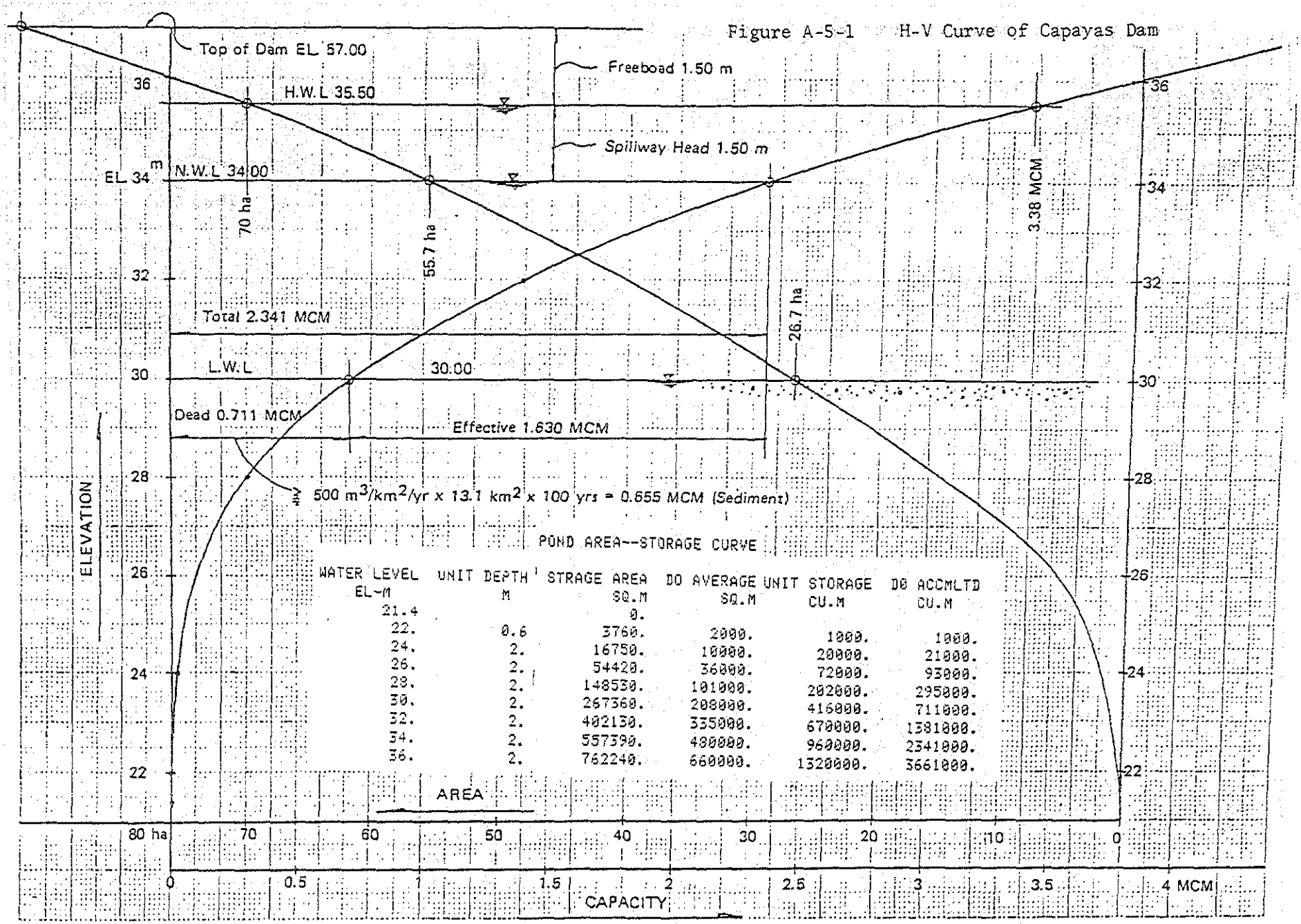
Figure A-5-1 H-V Curve of Capayas Dam



POND AREA--STORAGE CURVE

WATER LEVEL EL-M	UNIT DEPTH M	STRAGE AREA SQ.M	DO AVERAGE SQ.M	UNIT STORAGE CU.M	DO ACCMLTD CU.M
21.4		0.			
22.	0.6	3760.	2000.	1000.	1000.
24.	2.	16750.	10000.	20000.	21000.
26.	2.	54420.	36000.	72000.	93000.
28.	2.	148530.	101000.	202000.	295000.
30.	2.	267360.	208000.	416000.	711000.
32.	2.	402130.	335000.	670000.	1381000.
34.	2.	557390.	480000.	960000.	2341000.
36.	2.	762240.	660000.	1320000.	3661000.

Figure A-5-2. Significant Epicenters Around the Project Area

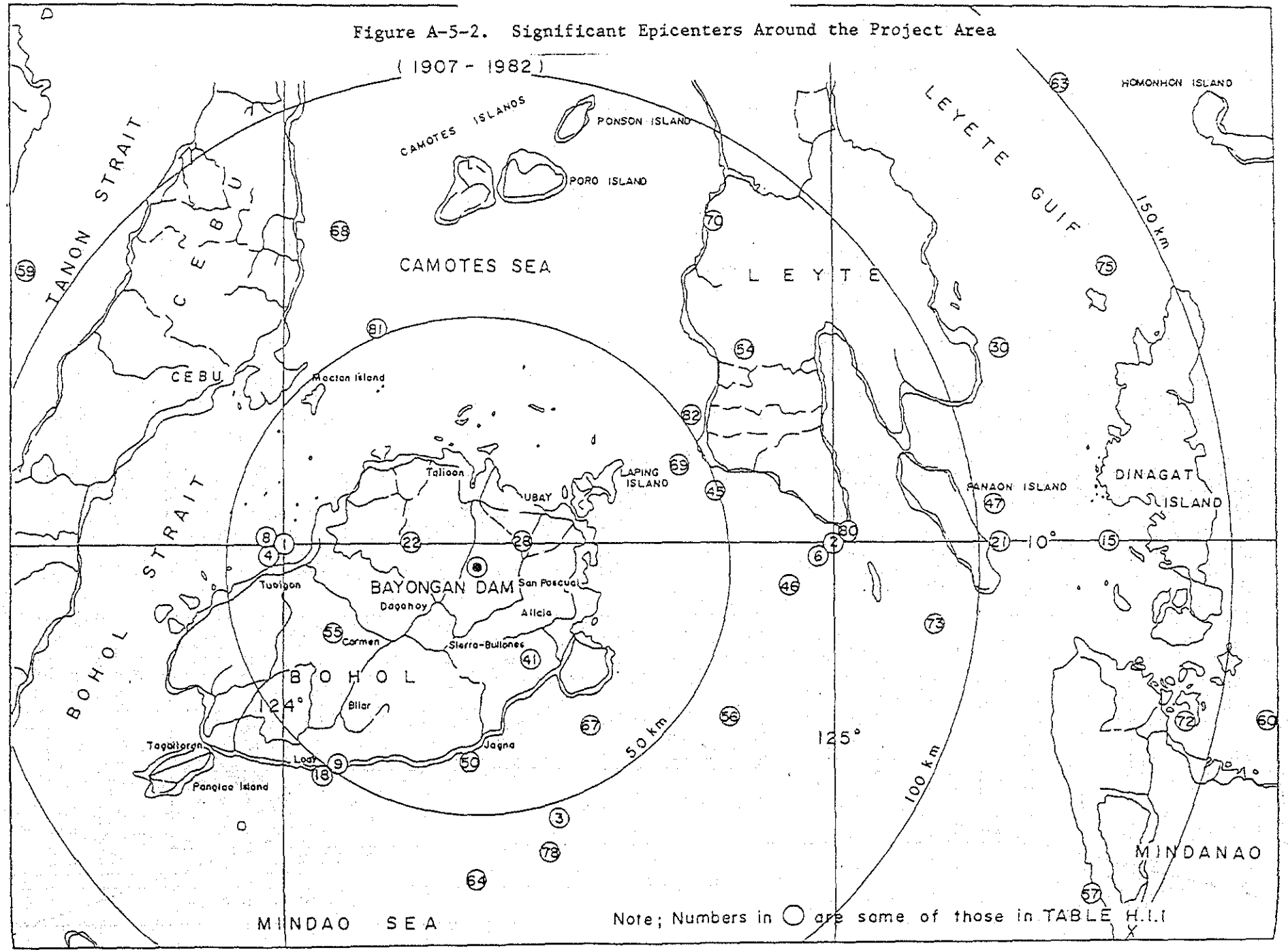


Figure A-5-3 Probability of Earthquakes at Dam Site

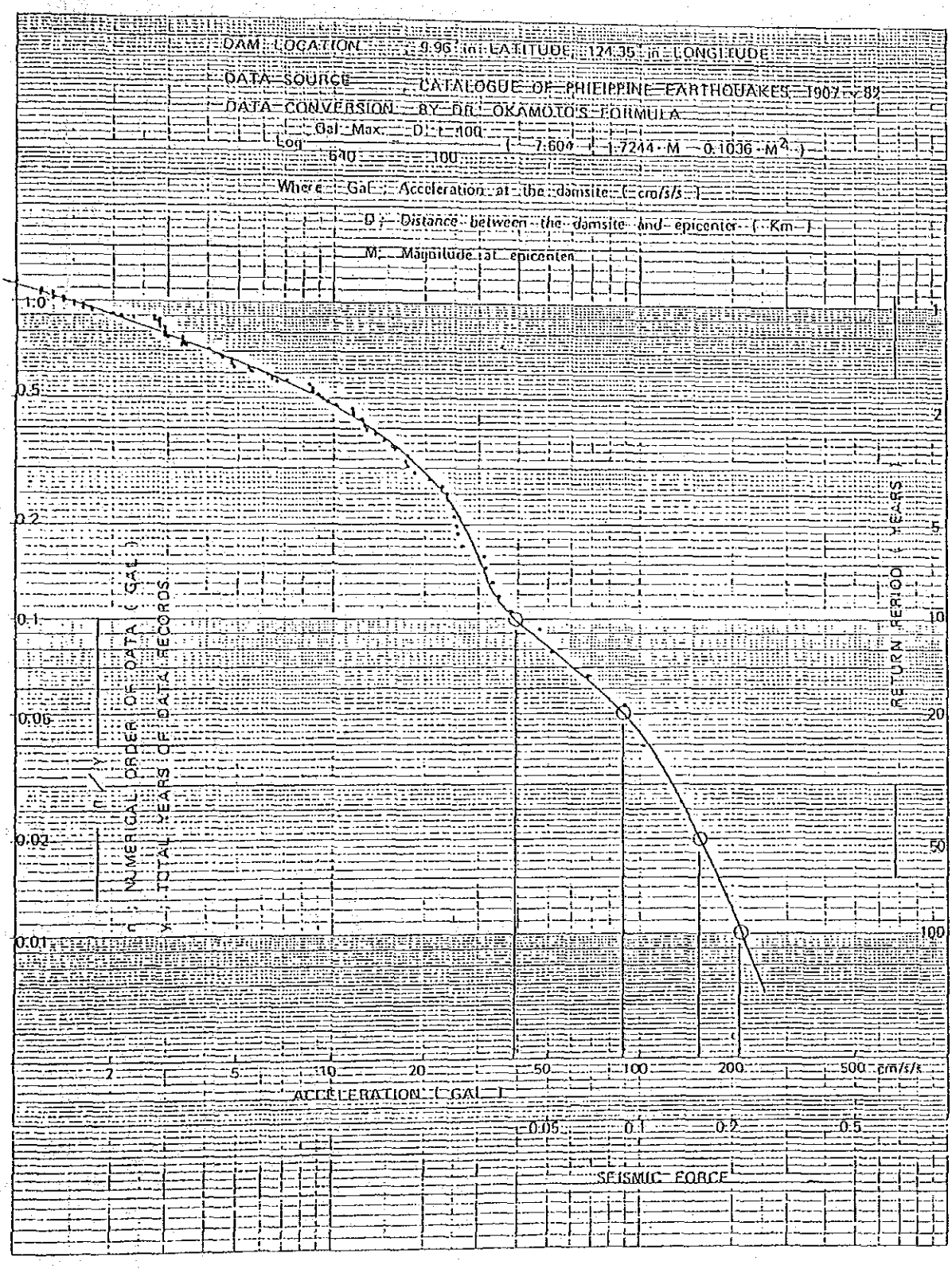


Figure A-5-4. Cropping Pattern by Farm Types

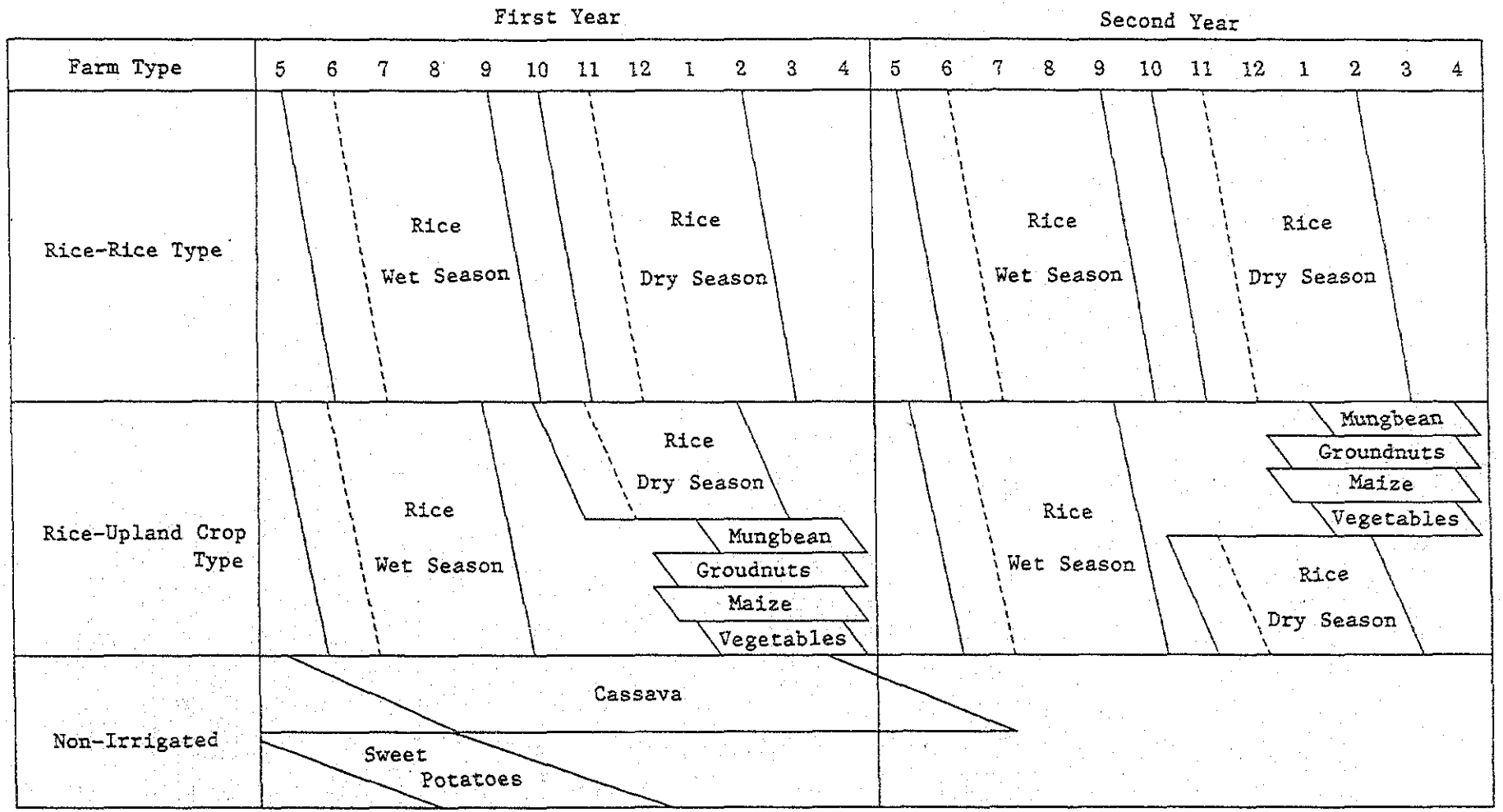
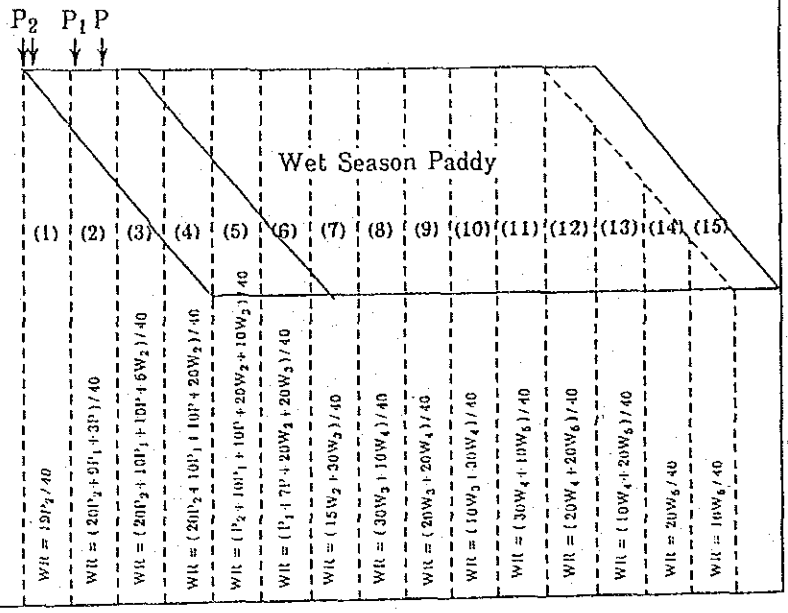


Figure A-5-5. Unit Water Requirement by 10-days of Wet and Dry Season Rice

MONTH	MAY	JUNE	JULY	AUG.	SEP.	OCT.
10-DAY CROP WATER REQUIREMENT (mm)	$W_1 = 76.0$	$W_2 = 67.0$	$W_3 = 65.0$	$W_4 = 66.0$	$W_5 = 58.0$	$W_6 = 58.0$
GROWING STAGE OF PADDY IRRIGATION SCHEDULE CALCULATION OF WEIGHTED CROP WATER REQUIREMENT						

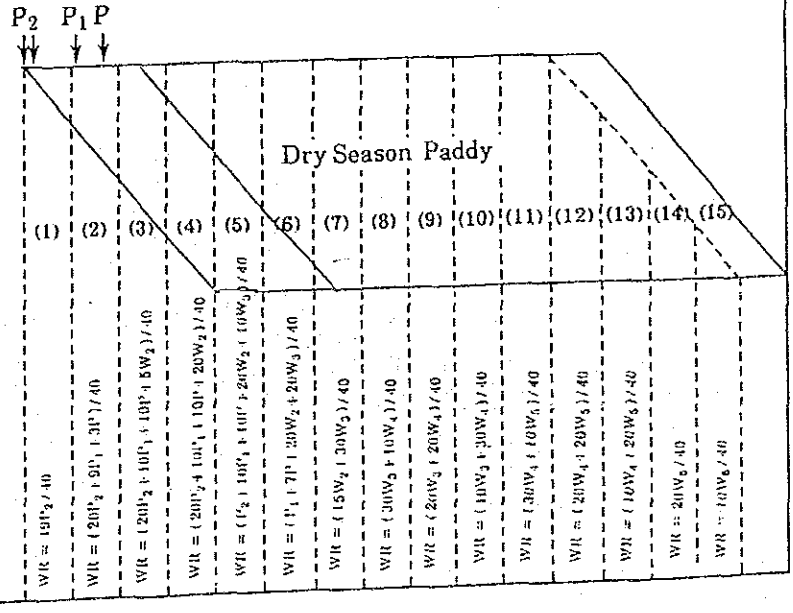
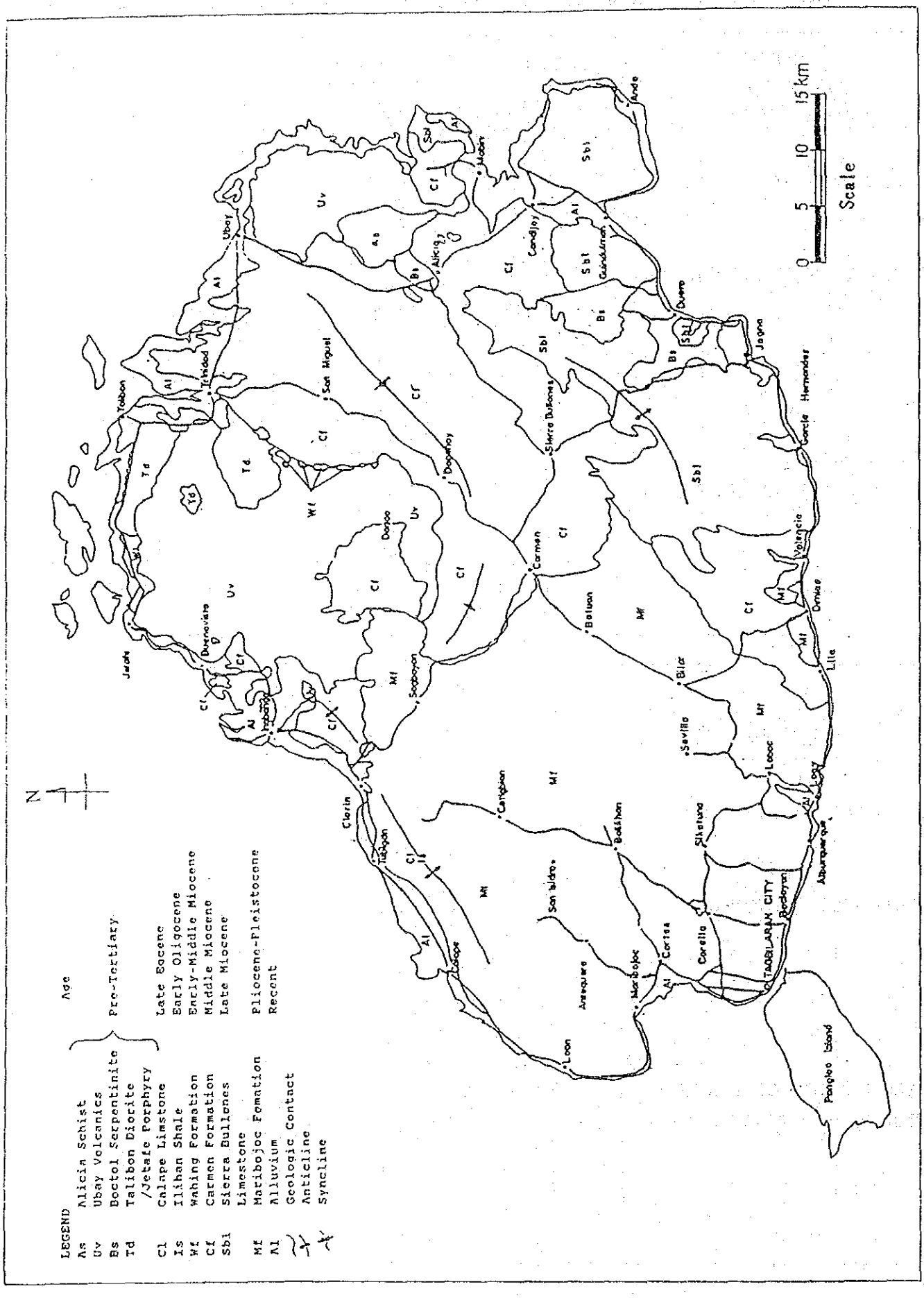
MONTH	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.
10-DAY CROP WATER REQUIREMENT (mm)	$W_1 = 58.0$	$W_2 = 59.0$	$W_3 = 54.0$	$W_4 = 63.0$	$W_5 = 60.0$	$W_6 = 69.0$
GROWING STAGE OF PADDY IRRIGATION SCHEDULE CALCULATION OF WEIGHTED CROP WATER REQUIREMENT						

Figure A-5-6 COMPARISON OF THE GEOLOGIC AGE AND GEOLOGICAL MAP



Quote from "Biostratigraphic studies in Bohol Island"

Figure A-5-7 Geology and Site Investigation Map at Dam Site and reservoir Area

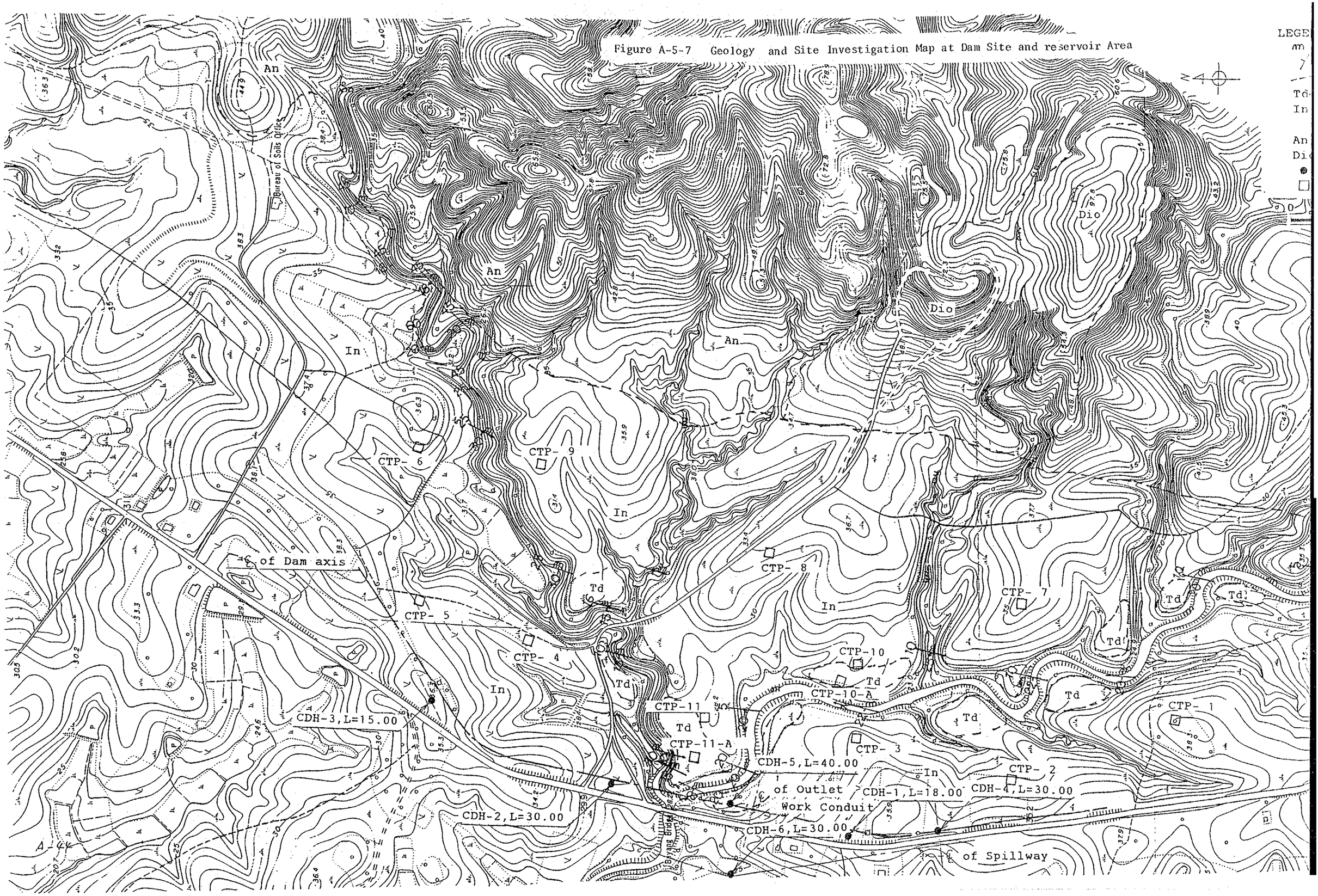


Figure A-5-7 Geology and Site Investigation Map at Dam Site and reservoir Area

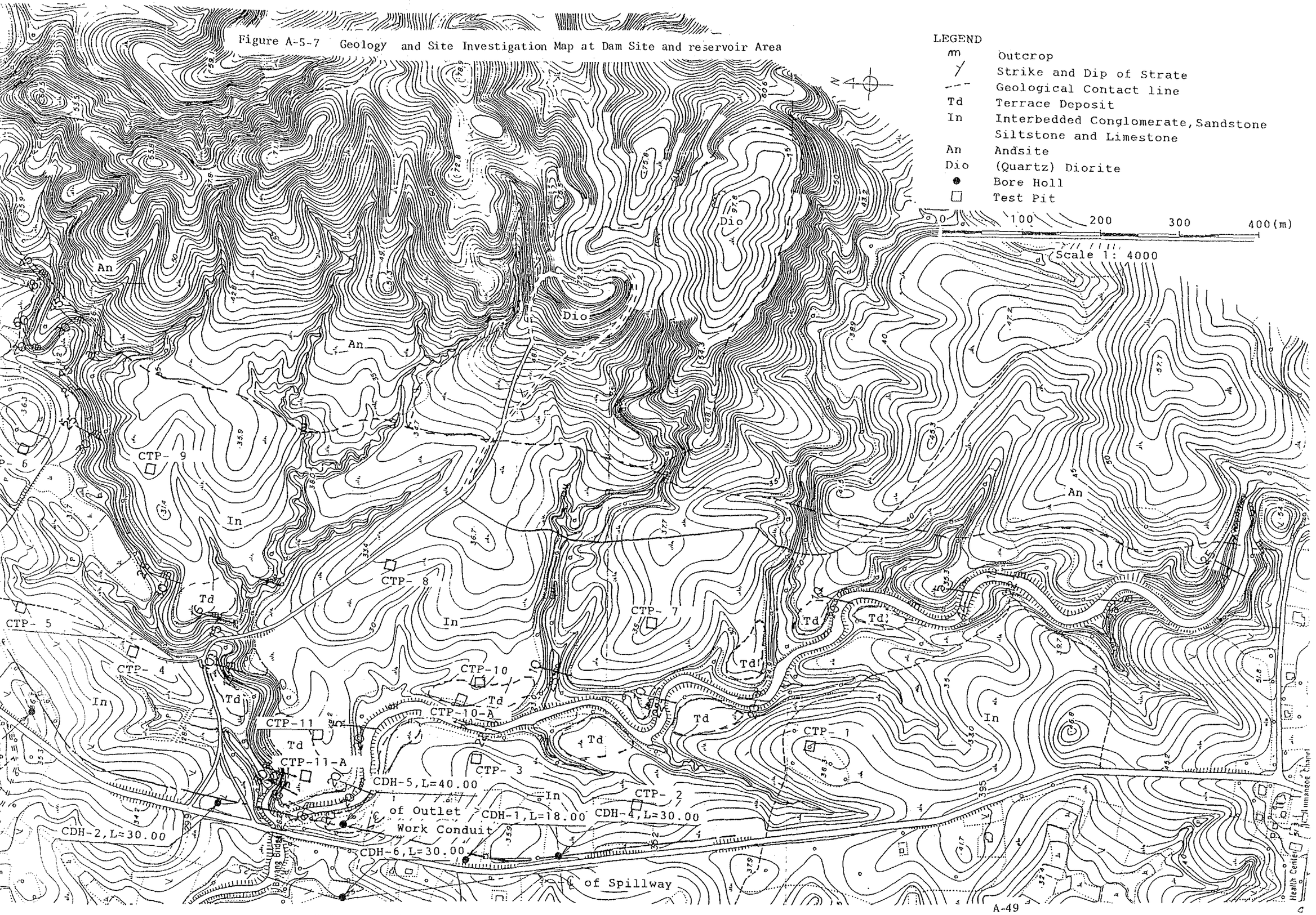
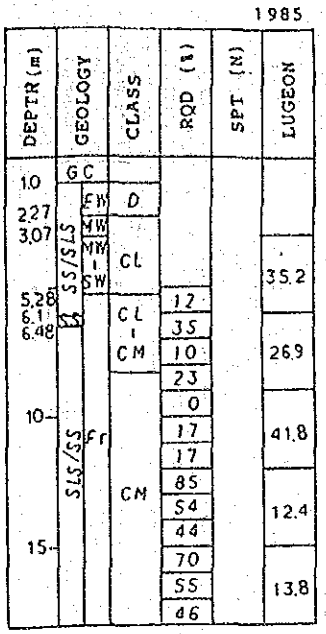
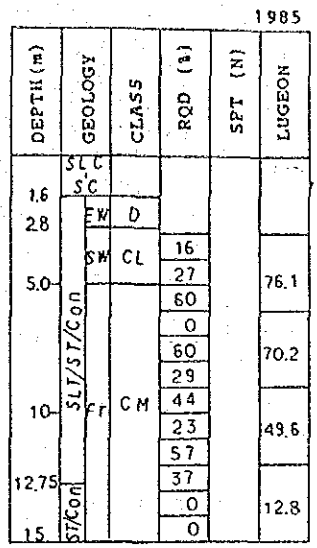


Figure A-5-8 Borehole Log Book at Capayas Dam Site

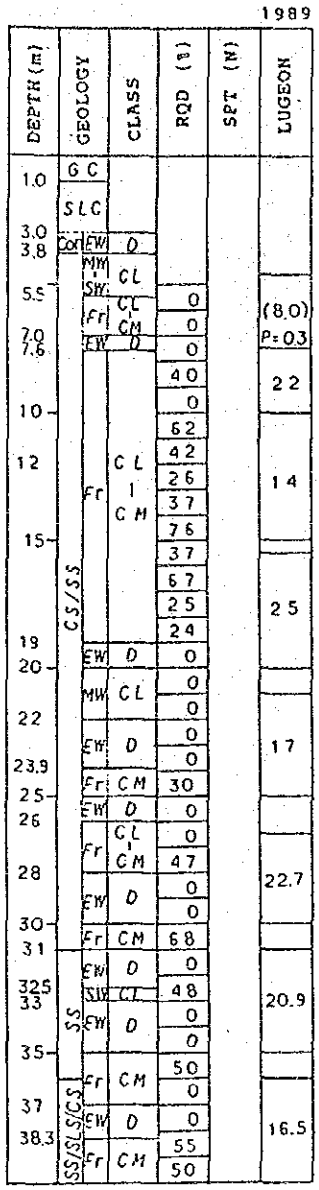
BOREHOLE: CDH-1
EL 33.07



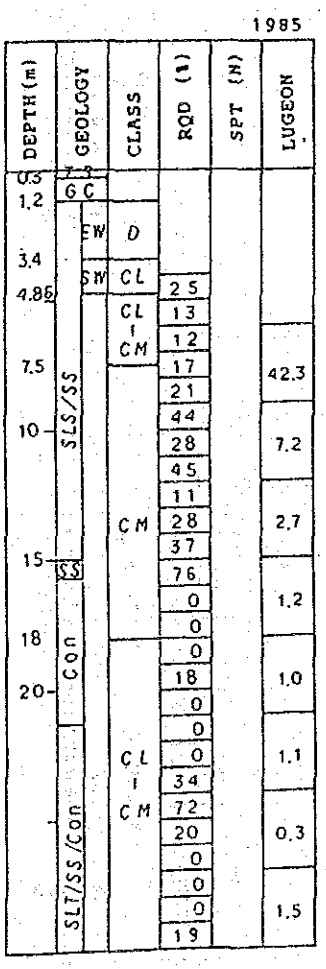
BOREHOLE: CDH-3
EL 34.98



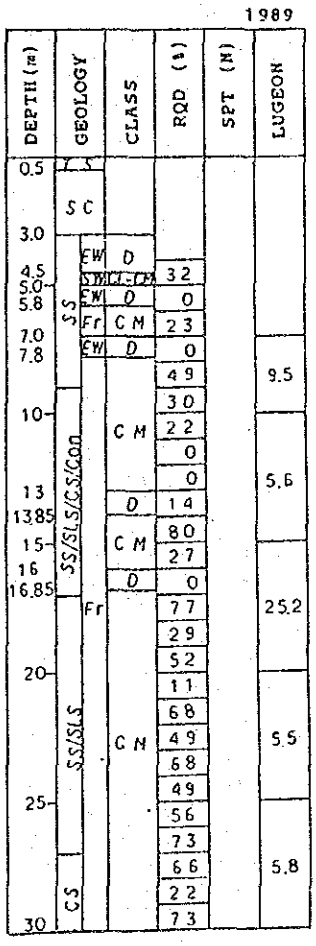
BOREHOLE: CDH-5
EL 25.80



BOREHOLE: CDH-2
EL 28.00



BOREHOLE: CDH-4
EL 33.50



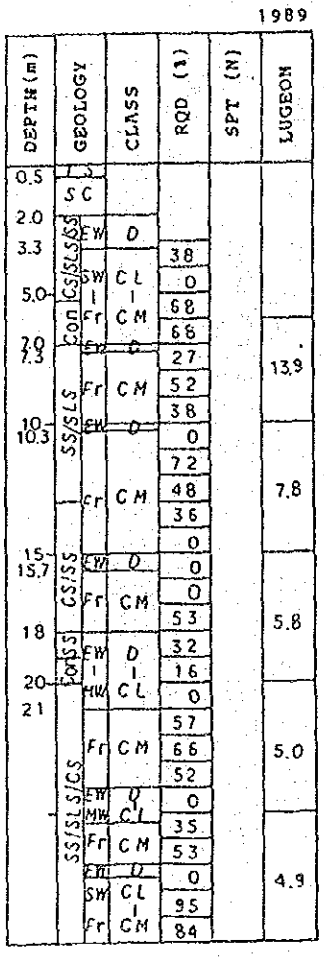
LEGEND:

- TS - Top Soil
- GC - Gravely Clay
- SC - Sandy Clay
- SLC - Silty Clay
- Con - Conglomerate
- SS - Sandstone
- SLS - Siltstone
- CS - Claystone
- EW - Extremely Weathered
- MW - Moderately Weathered
- SW - Slightly Weathered
- Fr - Fresh Rock
- / : interbedded

BOREHOLE LOGGINGS

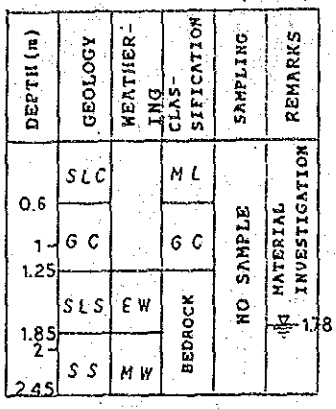
AT CAPAYAS DAMSITE

BOREHOLE: CDH-6
EL 25.00



TEST PIT LOGGINGS AT CAPAYAS DAMSITE

TEST PIT NO. CTP- 1



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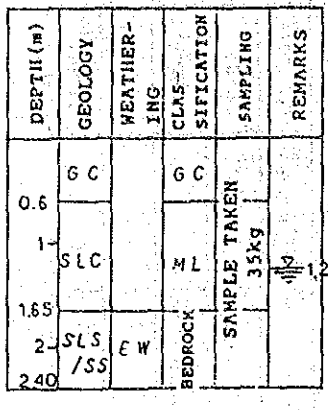

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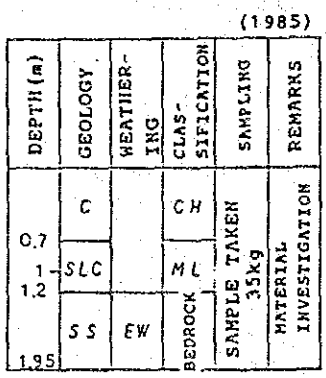

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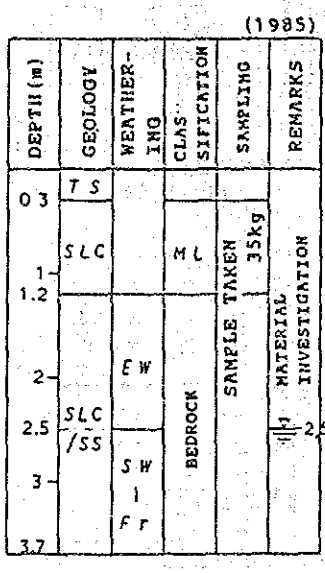

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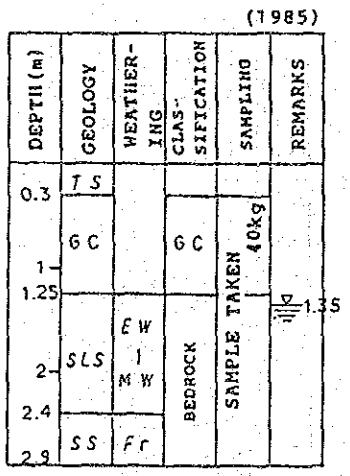

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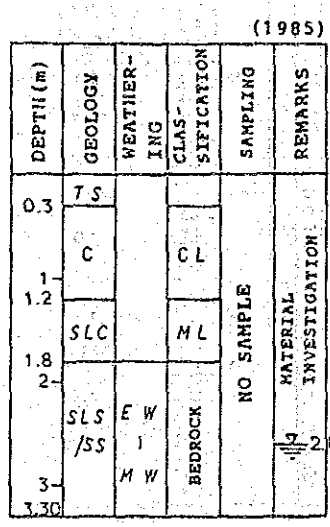
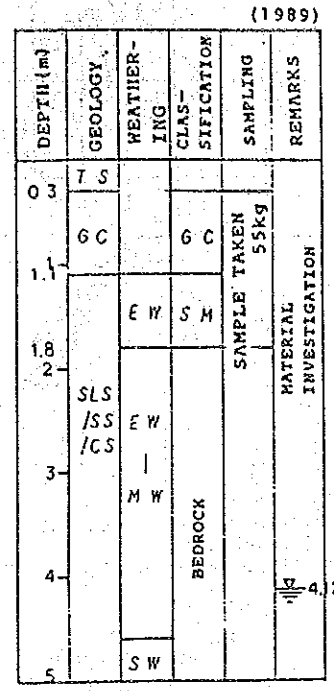


TEST PIT LOGGINGS AT CAPAYAS DAMSITE

TEST PIT NO. CTP- 7



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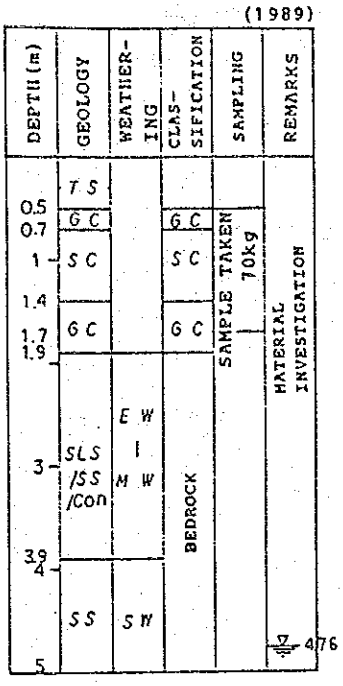

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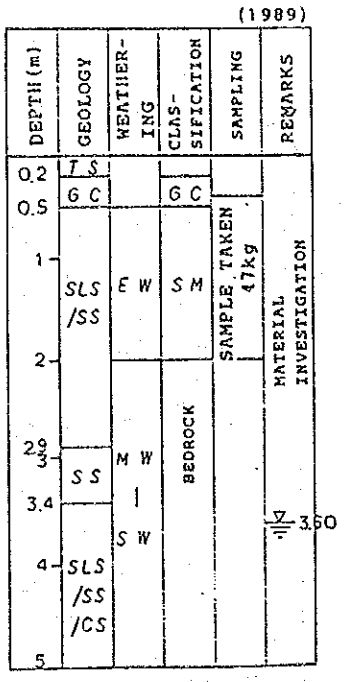

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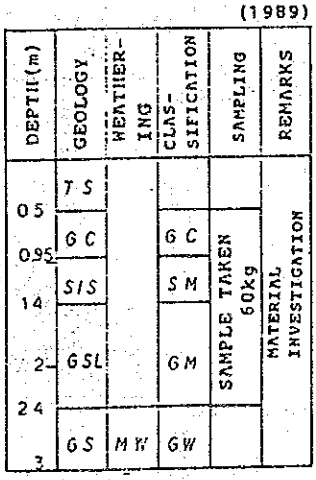

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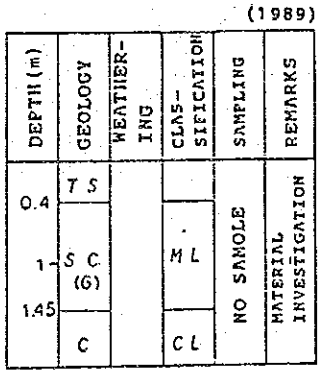

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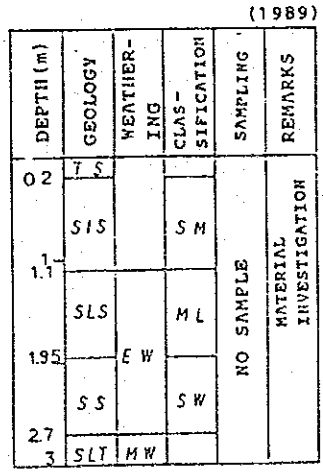

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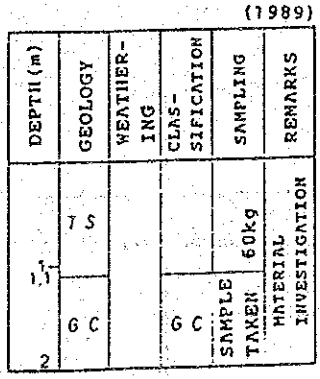

LEGEND:

TS	- Top Soil	EW - Extremely Weathered
G	- Gravel	MW - Moderately Weathered
GS	- Sandy Gravel	SW - Slightly Weathered
GSL	- Silty Gravel	Fr - Fresh Rock
GC	- Clayey Gravel	/ : Interbedded
SIS	- Silty Sand	
SC	- Clayey Sand	
SLC	- Silty Clay	
Com	- Conglomerate	
SS	- Sandstone	
SLS	- Siltstone	
CS	- Claystone	

Figure A-5-9. THE LOCATION OF THE BORROW AREA AND QUARRY SITE

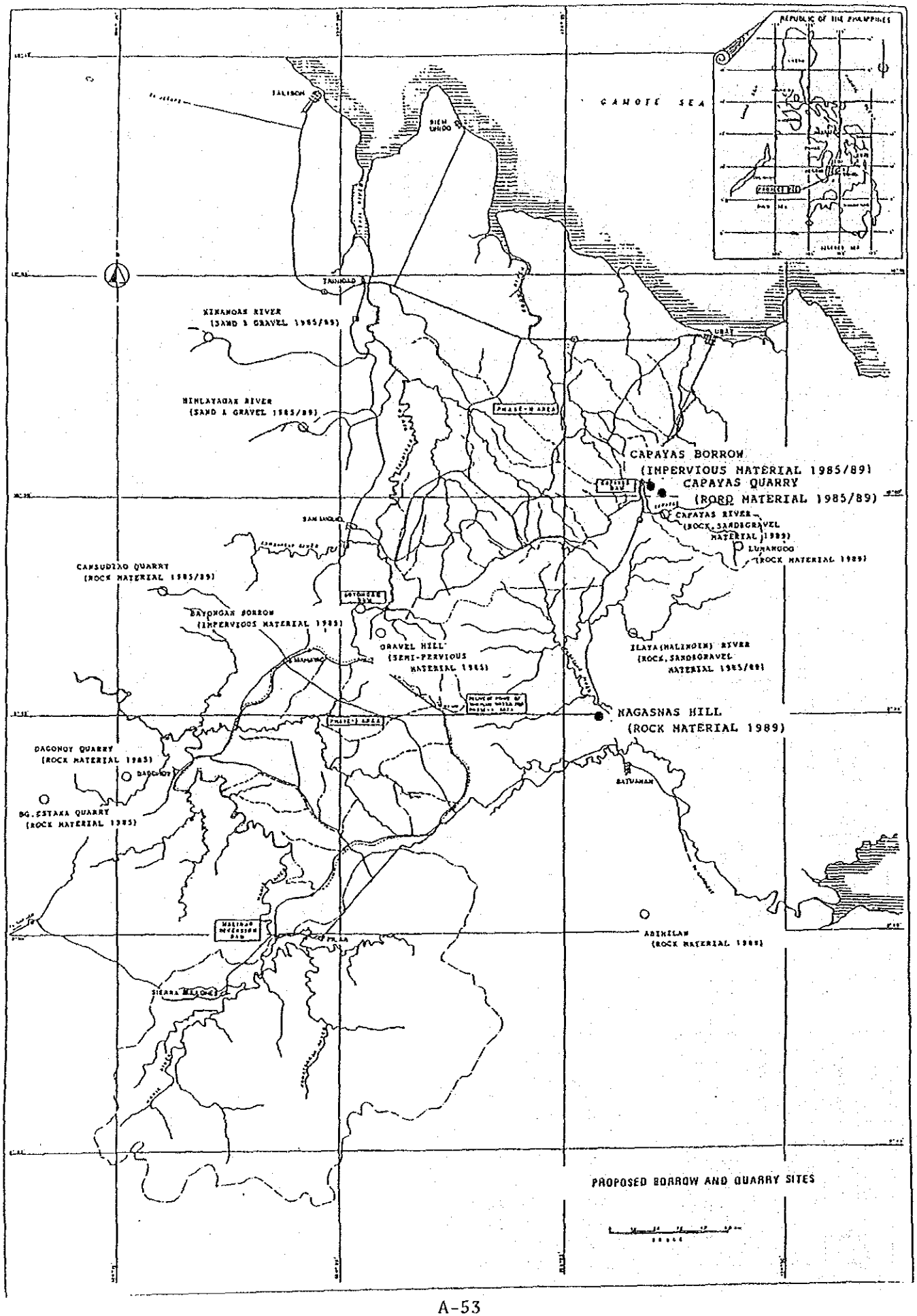

Figure A-5-10 Flood Water Balance

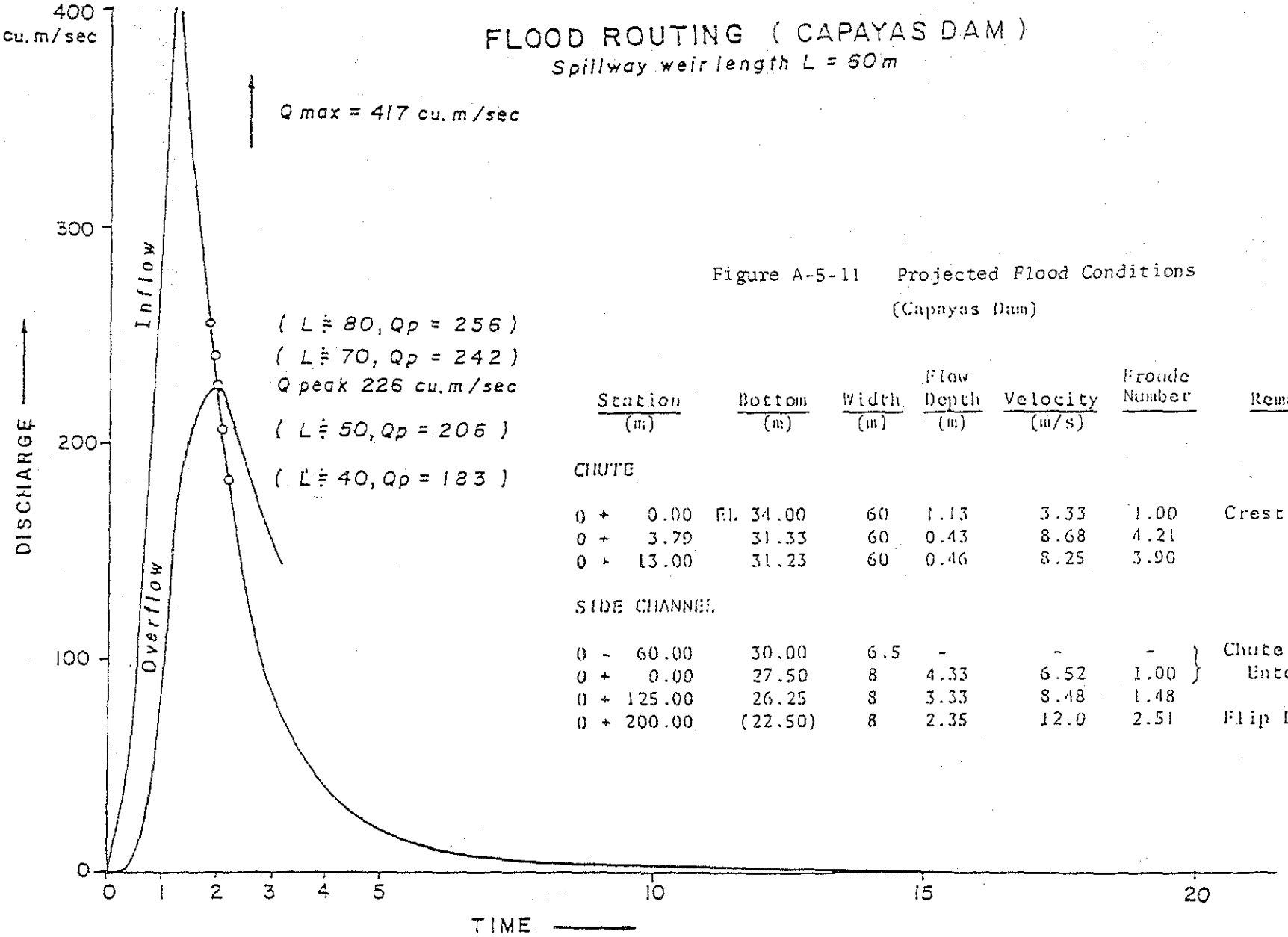

Figure A-5-11 Projected Flood Conditions
(Capayas Dam)

Station (m)	Bottom (m)	Width (m)	Flow Depth (m)	Velocity (m/s)	Froude Number	Remarks
CHUTE						
0 + 0.00	El. 34.00	60	1.13	3.33	1.00	Crest
0 + 3.79	31.33	60	0.43	8.68	4.21	
0 + 13.00	31.23	60	0.46	8.25	3.90	
SIDE CHANNEL						
0 - 60.00	30.00	6.5	-	-	-	Chute Entered
0 + 0.00	27.50	8	4.33	6.52	1.00	Chute Entered
0 + 125.00	26.25	8	3.33	8.48	1.48	
0 + 200.00	(22.50)	8	2.35	12.0	2.51	Flip Bucket

Figure A-5-12. DISCHARGE CAPACITY OF INTAKE CONDUIT