

THE REPUBLIC OF THE PHILIPPINES
DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS

THE MASTER PLAN STUDY
ON
THE SMALL WATER IMPOUNDING
MANAGEMENT (SWIM) PROJECTS

DATA BOOK

MARCH 1990

JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

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DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS**

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LOCATION MAP OF QUALIFIED
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SWIM PROJECT PROFILE

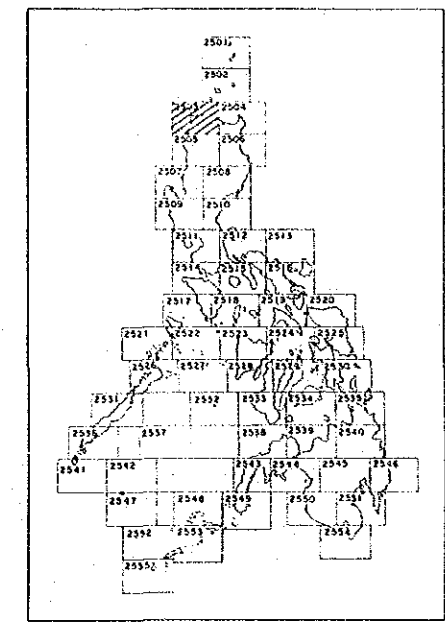
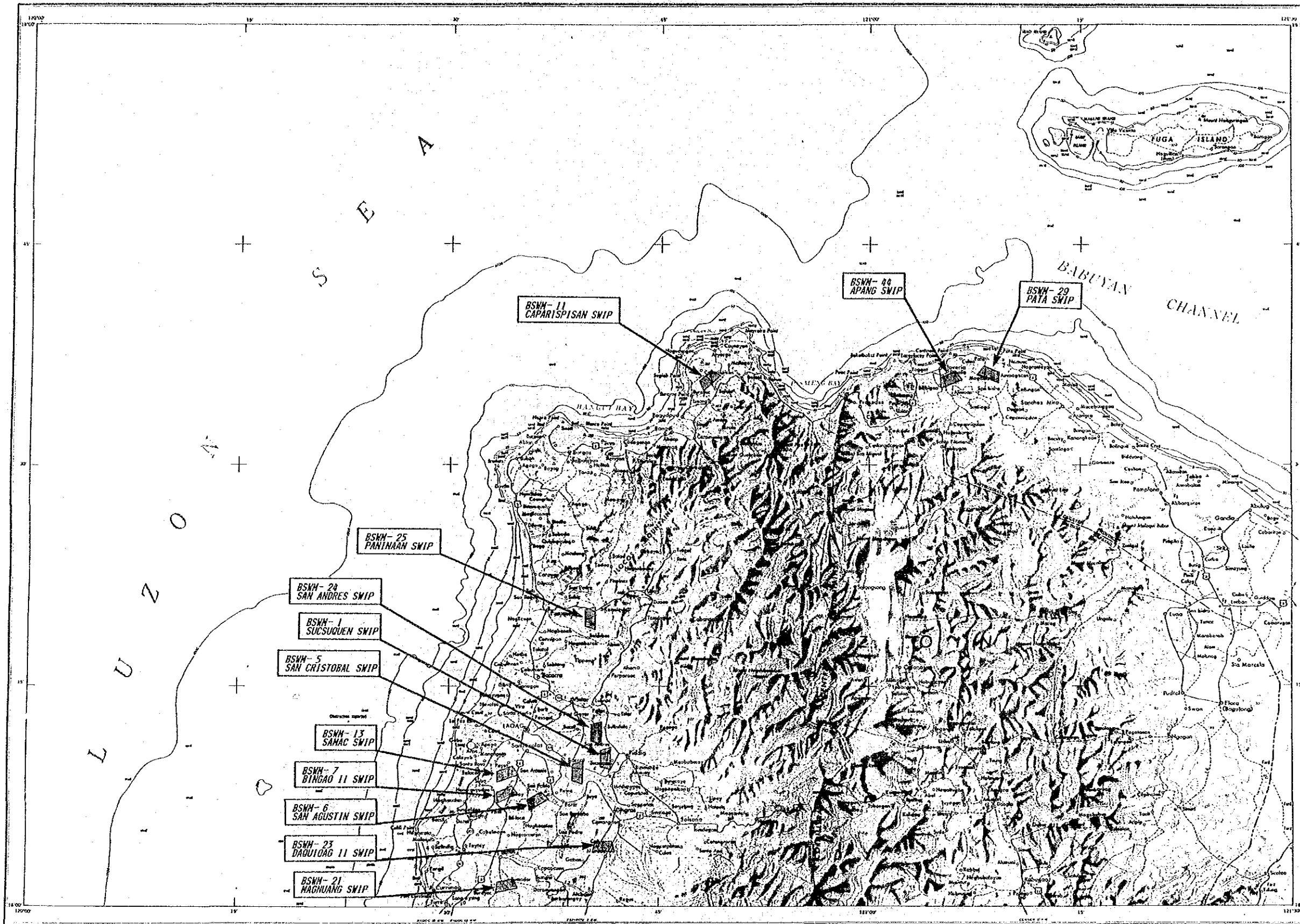
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**LOCATION MAP OF QUALIFIED
SWIM PROJECTS**



- LEGEND:**
- : proposed SWIM projects by DPWH
 - : proposed SWIM projects by NIA
 - : proposed SWIM projects by BSNW
 - DPWH : Department of Public Works and Highways
 - NIA : National Irrigation Administration
 - BSNW : Bureau of Soils and Water Management

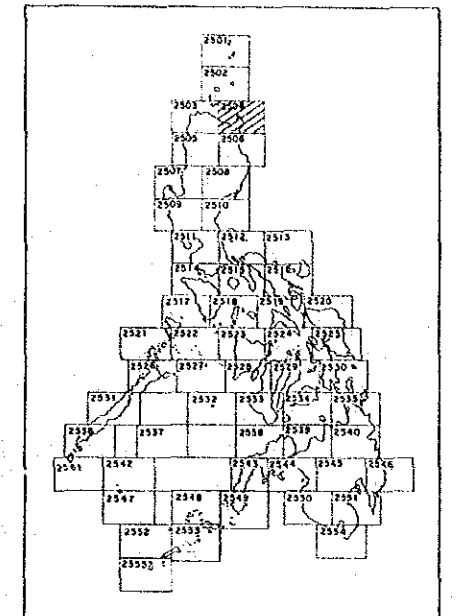
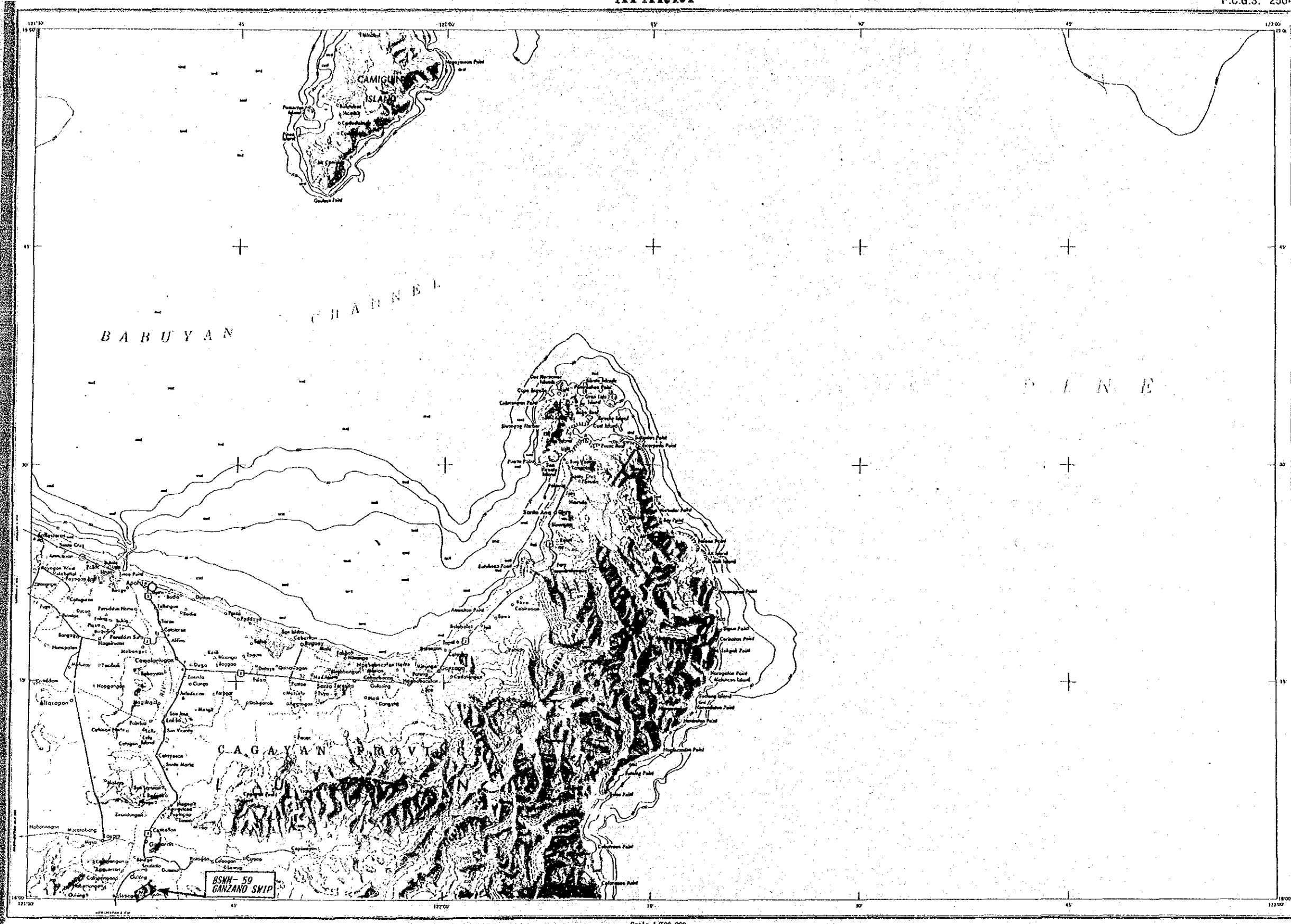
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0 5 10 15 20 25 30 Kilometers




0 5 10 15 20 25 30 Statute Miles

TRANSVERSE MERCATOR PROJECTION
 CLARKE SPHEROID 1866 LUZON DATUM
 ELEVATIONS IN METERS ABOVE MEAN SEA LEVEL
 INTERVAL OF APPROXIMATE CONTOURS 100 METERS

Fig.1 Location Map of Qualified SWIM Projects (1/34)



LEGEND:

-  : proposed SWIM projects by DPMI
-  : proposed SWIM projects by NIA
-  : proposed SWIM projects by BSWM
- DPMI : Department of Public Works and Highways
- NIA : National Irrigation Administration
- BSWM : Bureau of Soils and Water Management

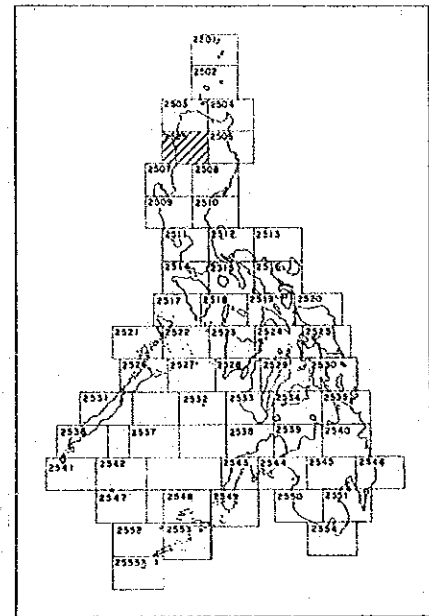
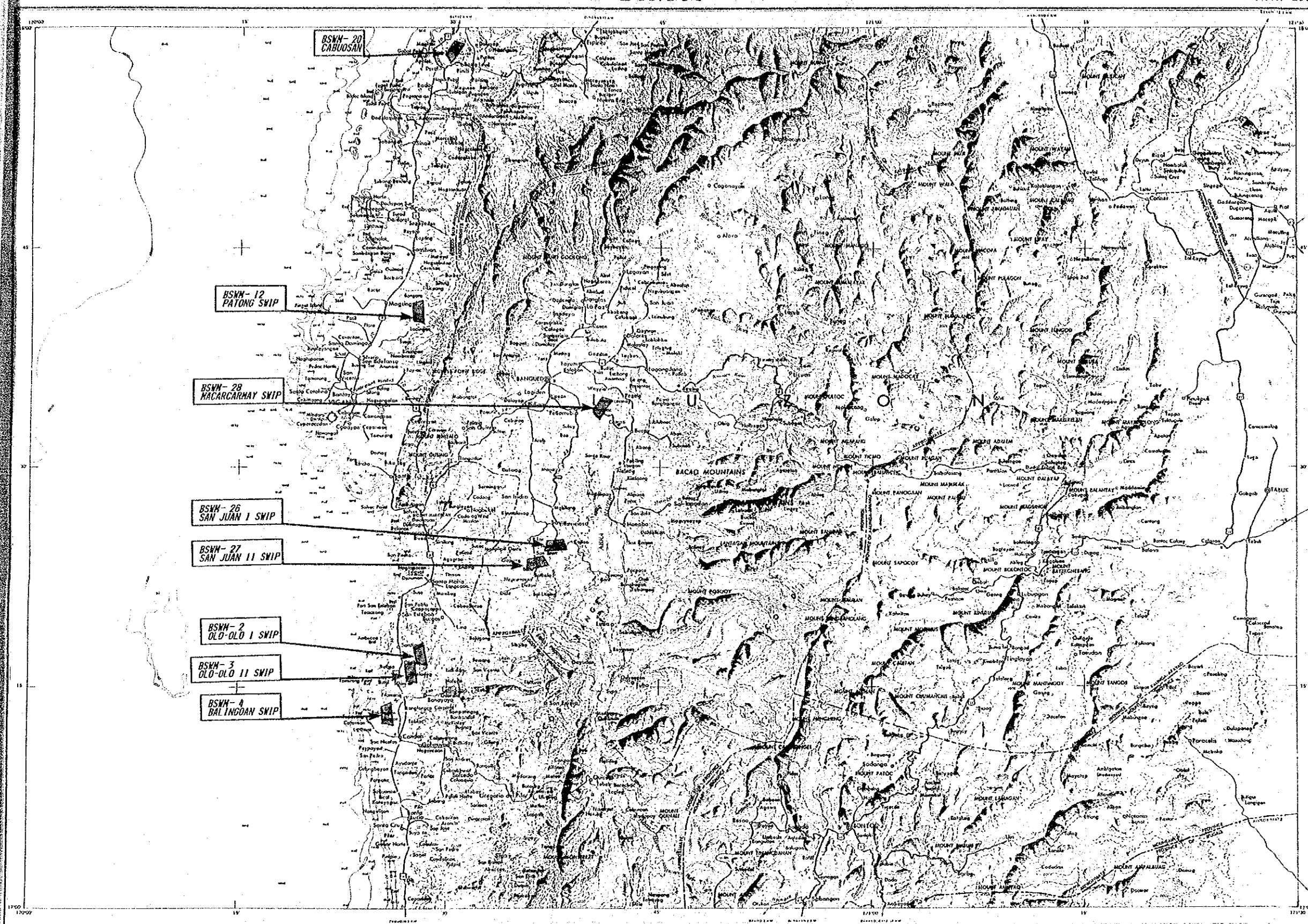
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TRANSVERSE MERCATOR PROJECTION
 CLAUDE SHERWELL 1966 LUZON DATUM
 ELEVATIONS IN METERS ABOVE MEAN SEA LEVEL
 INTERVAL OF APPROXIMATE CONTOURS 100 METERS

Fig.2 Location Map of Qualified SWIM Projects (2/34)

BONTOC

P.C.G.S. 2505

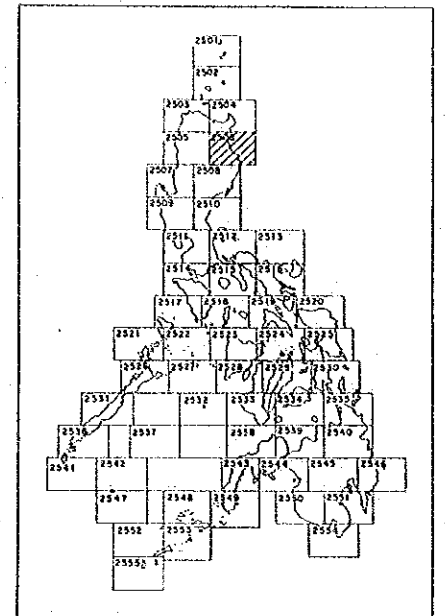
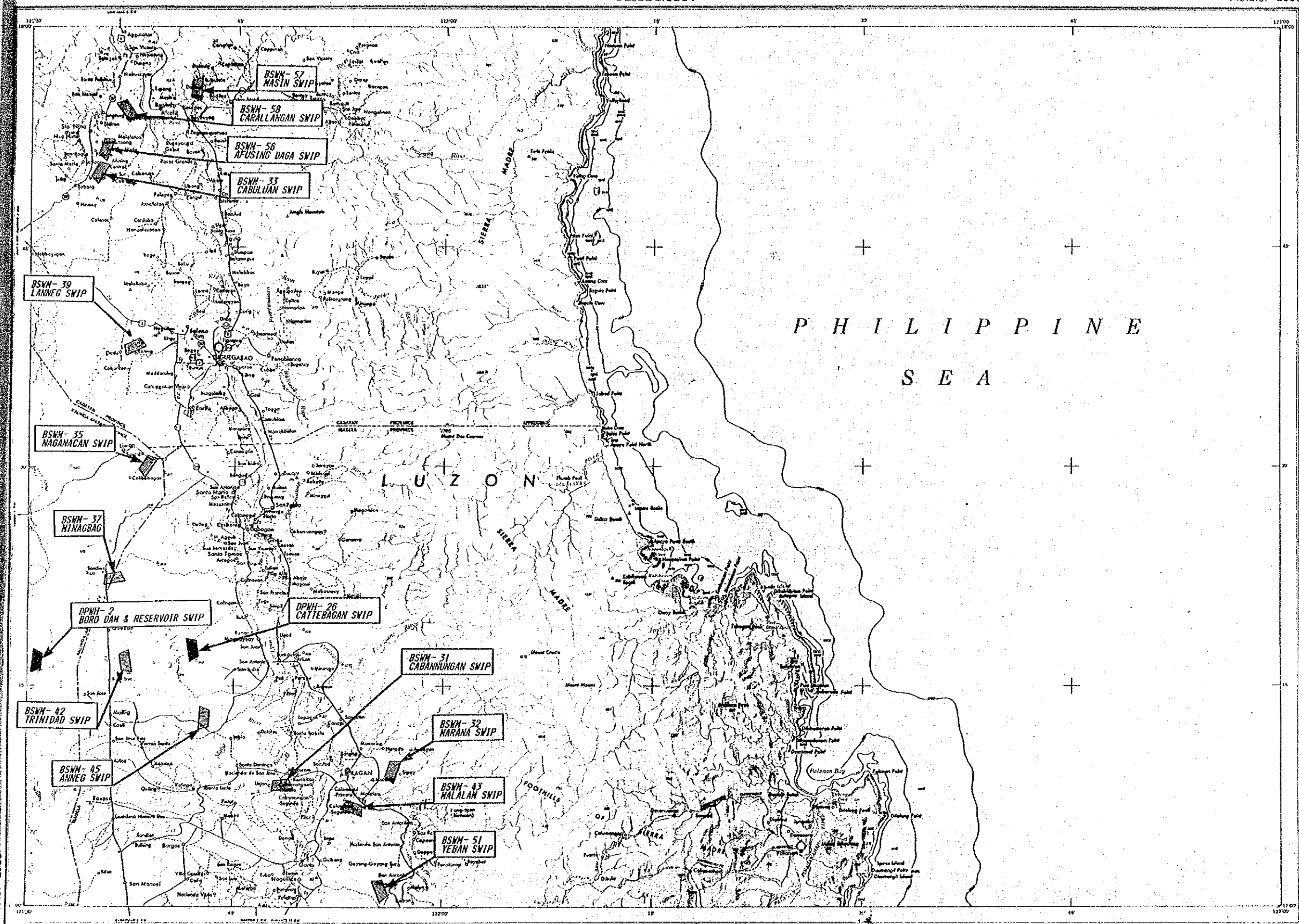





- LEGEND:**
-  : proposed SWIM projects by DPWH
 -  : proposed SWIM projects by NIA
 -  : proposed SWIM projects by BSN
- DPWH : Department of Public Works and Highways
N I A : National Irrigation Administration
BSN : Bureau of Soils and Water Management

Scale 1/500,000

TRANSVERSE MERCATOR PROJECTION
CLARKE SPHEROID 1866 LUZON DATUM
ELEVATIONS IN METERS ABOVE MEAN SEA LEVEL
INTERVAL OF APPROXIMATE CONTOURS 100 METERS

Fig. 3 Location Map of Qualified SWIM Projects (3/34)



- LEGEND:**
-  : proposed SWIM projects by DPWH
 -  : proposed SWIM projects by NIA
 -  : proposed SWIM projects by BSN
 - DPWH : Department of Public Works and Highways
 - NIA : National Irrigation Administration
 - BSN : Bureau of Soils and Water Management

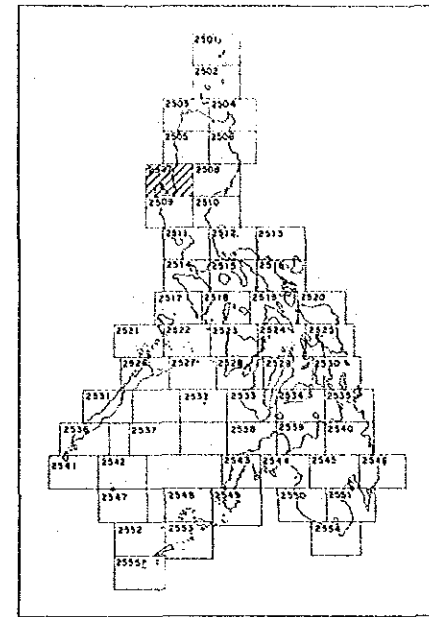
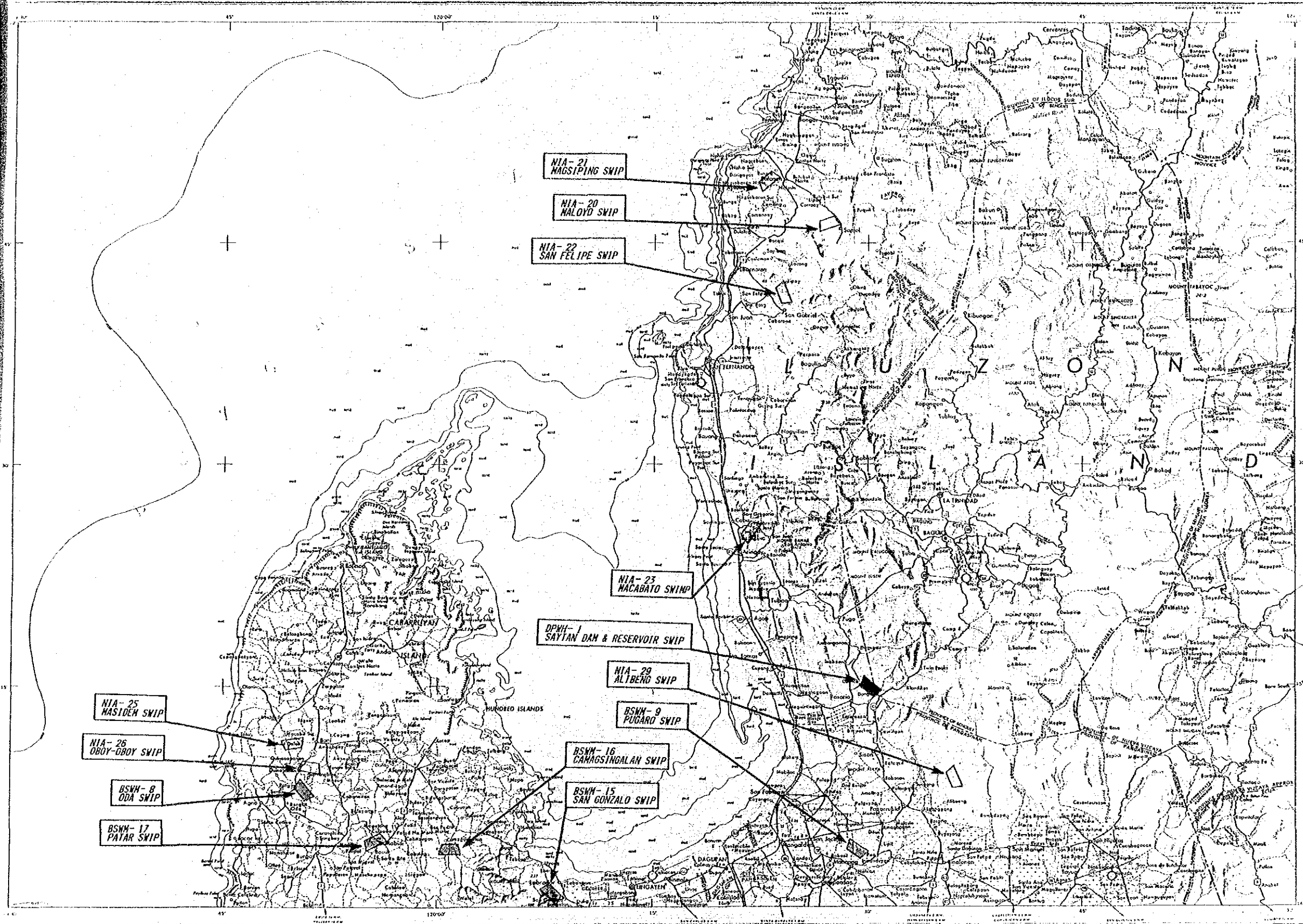
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

TRANSVERSE MERCATOR PROJECTION
 CLARKE SPHEROID 1865 LUZON DATUM
 ELEVATIONS IN METERS ABOVE MEAN SEA LEVEL
 INTERVAL OF APPROXIMATE CONTOURS 100 METERS

Fig.4 Location Map of Qualified SWIM Projects (4/34)

DAGUPAN CITY

P.C.G.S. 2507



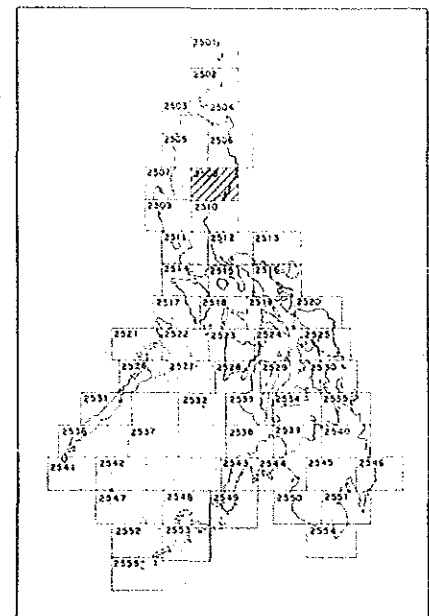
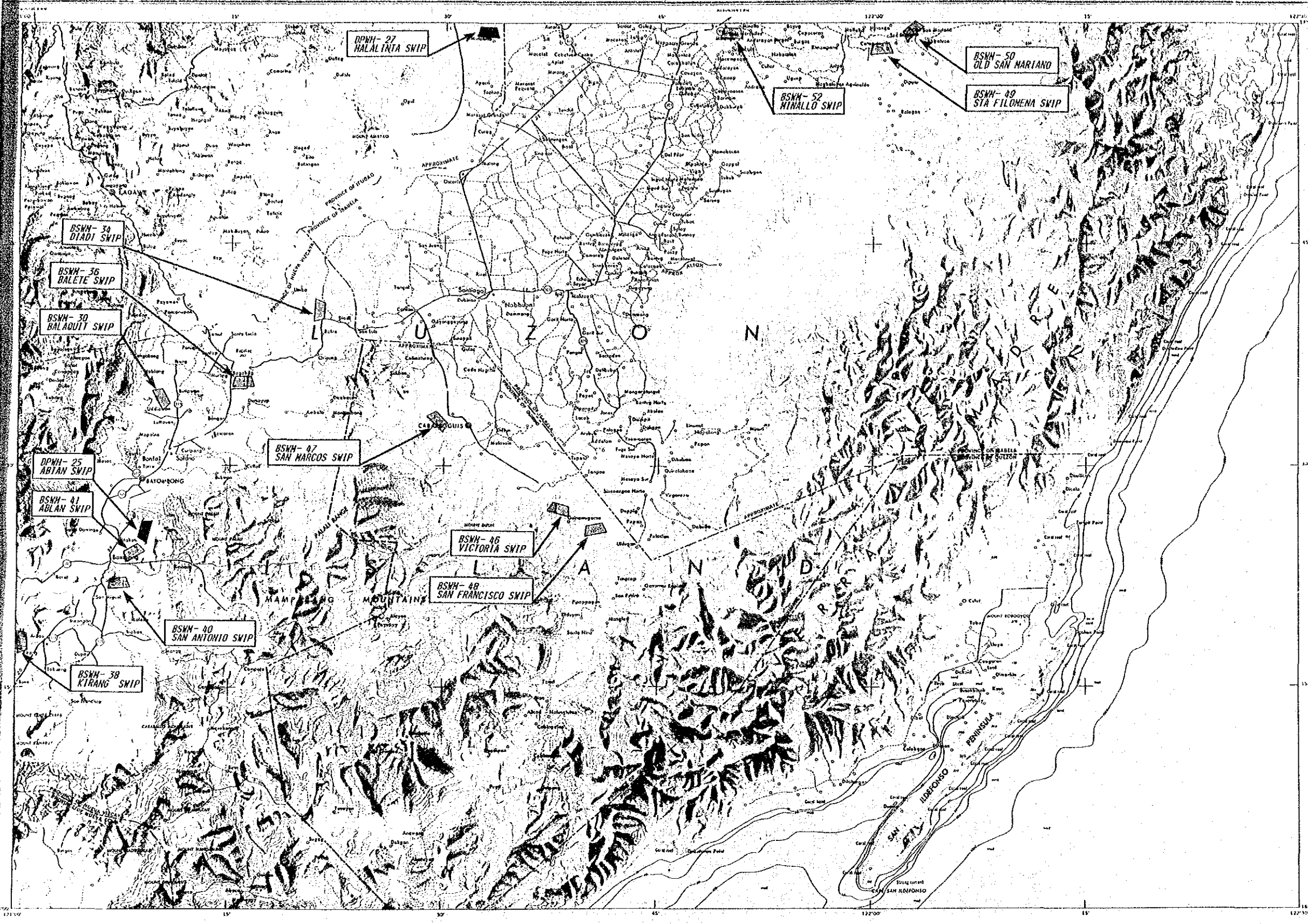
- LEGEND:**
-  : proposed SWIM projects by DPHW
 -  : proposed SWIM projects by NIA
 -  : proposed SWIM projects by BSMW
 - DPWH : Department of Public Works and Highways
 - NIA : National Irrigation Administration
 - BSMW : Bureau of Soils and Water Management

Scale 1/500,000
 TRANSVERSE MERCATOR PROJECTION
 CLARKE SPHEROID 1866 LUZON DATUM
 ELEVATIONS IN METERS ABOVE MEAN SEA LEVEL
 INTERVALS OF APPROXIMATE CONTOURS 100 METERS

Fig. 5 Location Map of Qualified SWIM Projects (5/34)

SOLANO

PCGS 2508



- LEGEND:**
- : proposed SWIM projects by DPWH
 - : proposed SWIM projects by NIA
 - : proposed SWIM projects by BSMW
- DPWH : Department of Public Works and Highways
 N I A : National Irrigation Administration
 BSMW : Bureau of Soils and Water Management

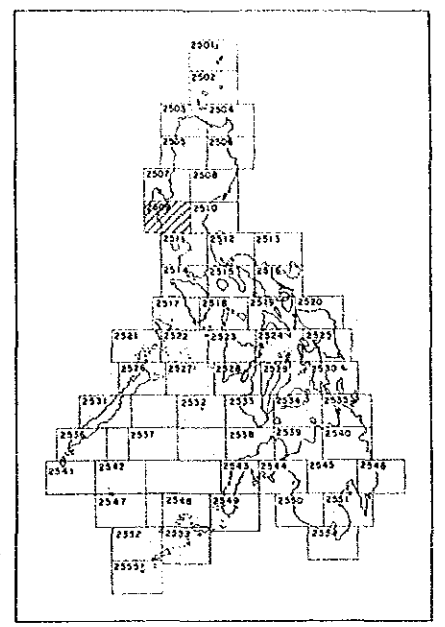
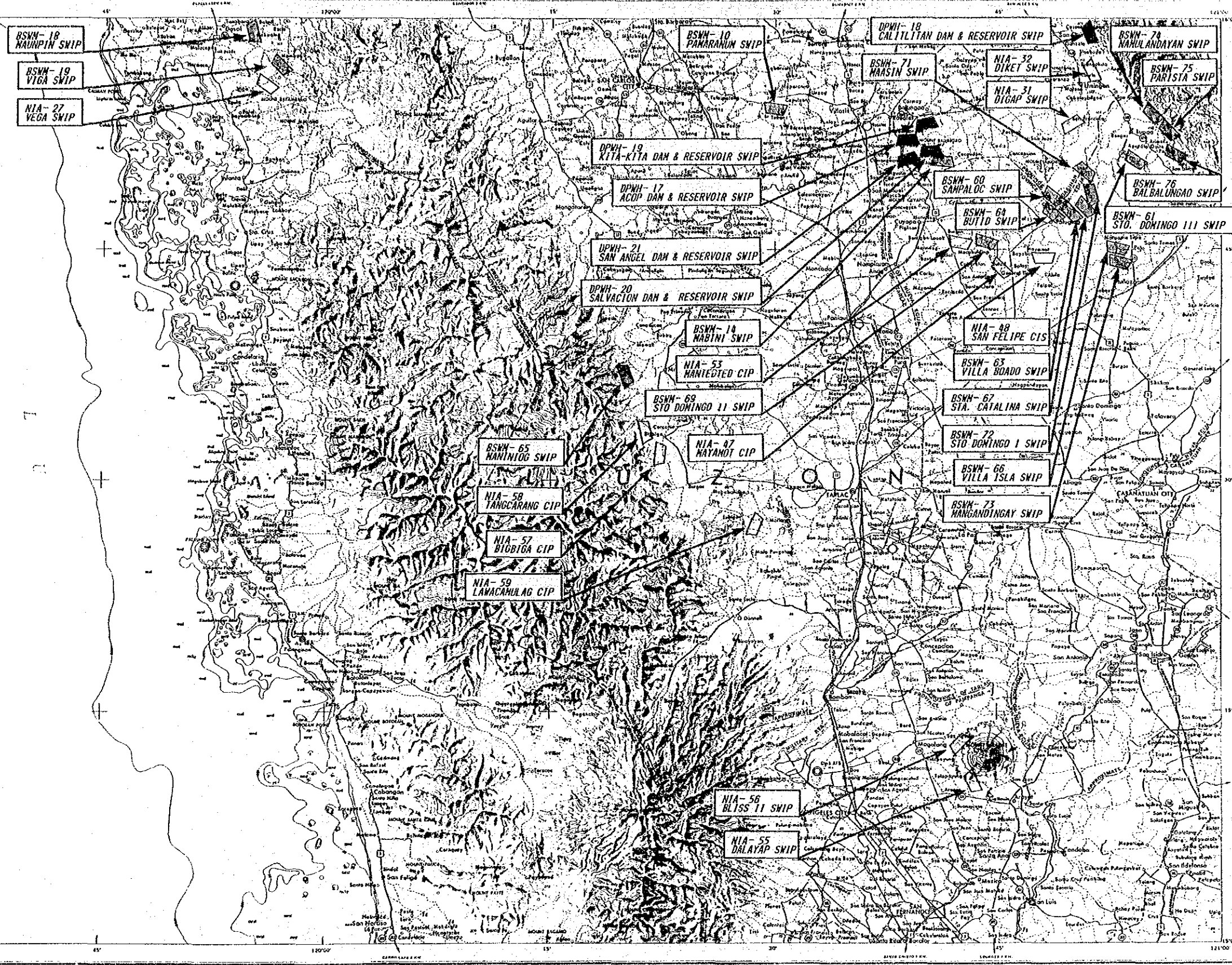
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TRANSVERSE MERCATOR PROJECTION
 CLARKE SPHEROID 1866 LUZON DATUM
 ELEVATIONS IN METERS ABOVE MEAN SEA LEVEL
 INTERVAL OF APPROXIMATE CONTOURS 100 METERS




Fig. 6 Location Map of Qualified SWIM Projects (6/34)

TARLAC

P.C.G.S. 2509



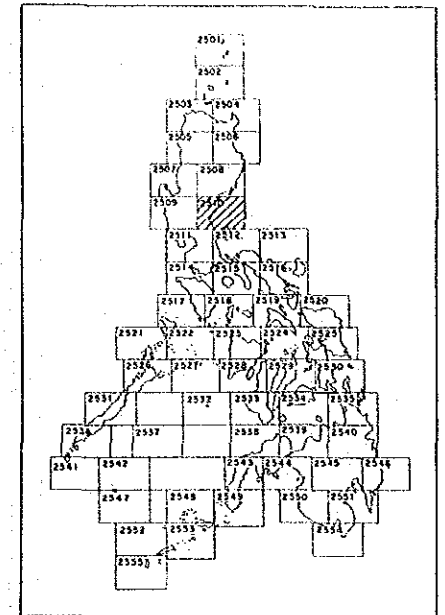
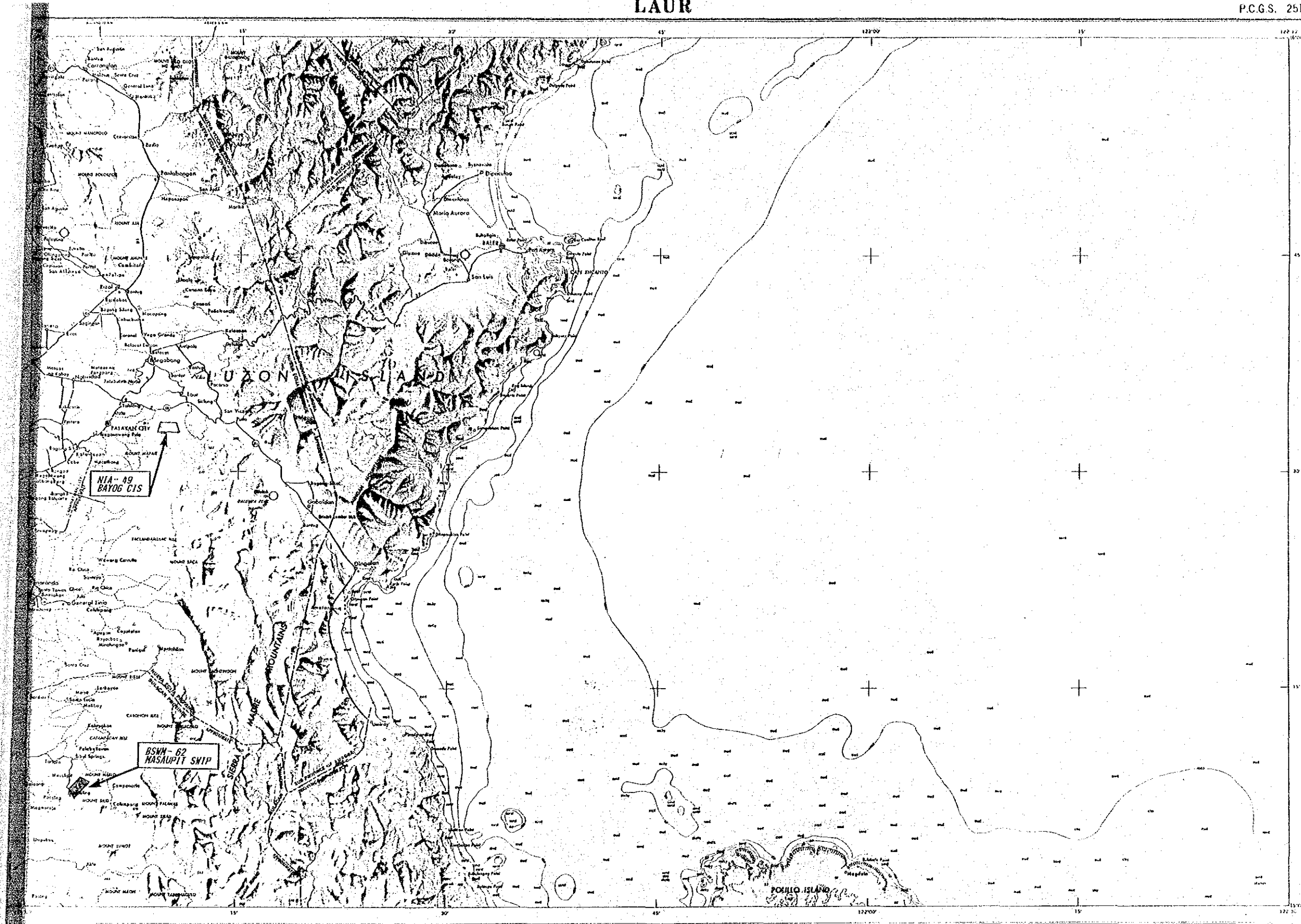
LEGEND:

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-  : proposed SWIM projects by NIA
-  : proposed SWIM projects by BSNM
- DPH : Department of Public Works and Highways
- N I A : National Irrigation Administration
- BSNM : Bureau of Soils and Water Management




Scale 1/500,000

TRANSVERSE MERCATOR PROJECTION
CLARKE SPHEROID 1866 LUZON DATUM
ELEVATIONS IN METERS ABOVE MEAN SEA LEVEL
INTERVAL OF APPROXIMATE CONTOURS 100 METERS

Fig. 7 Location Map of Qualified SWIM Projects (7/34)



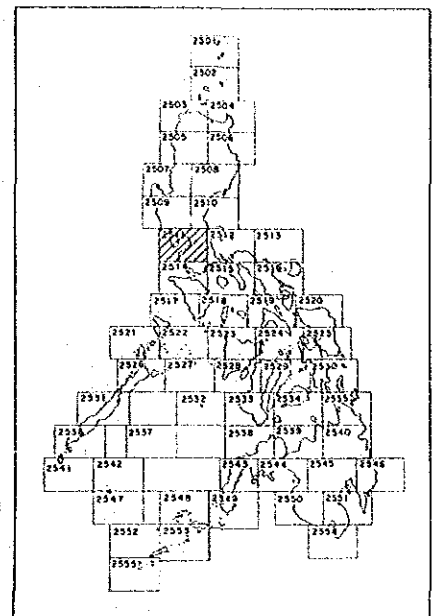
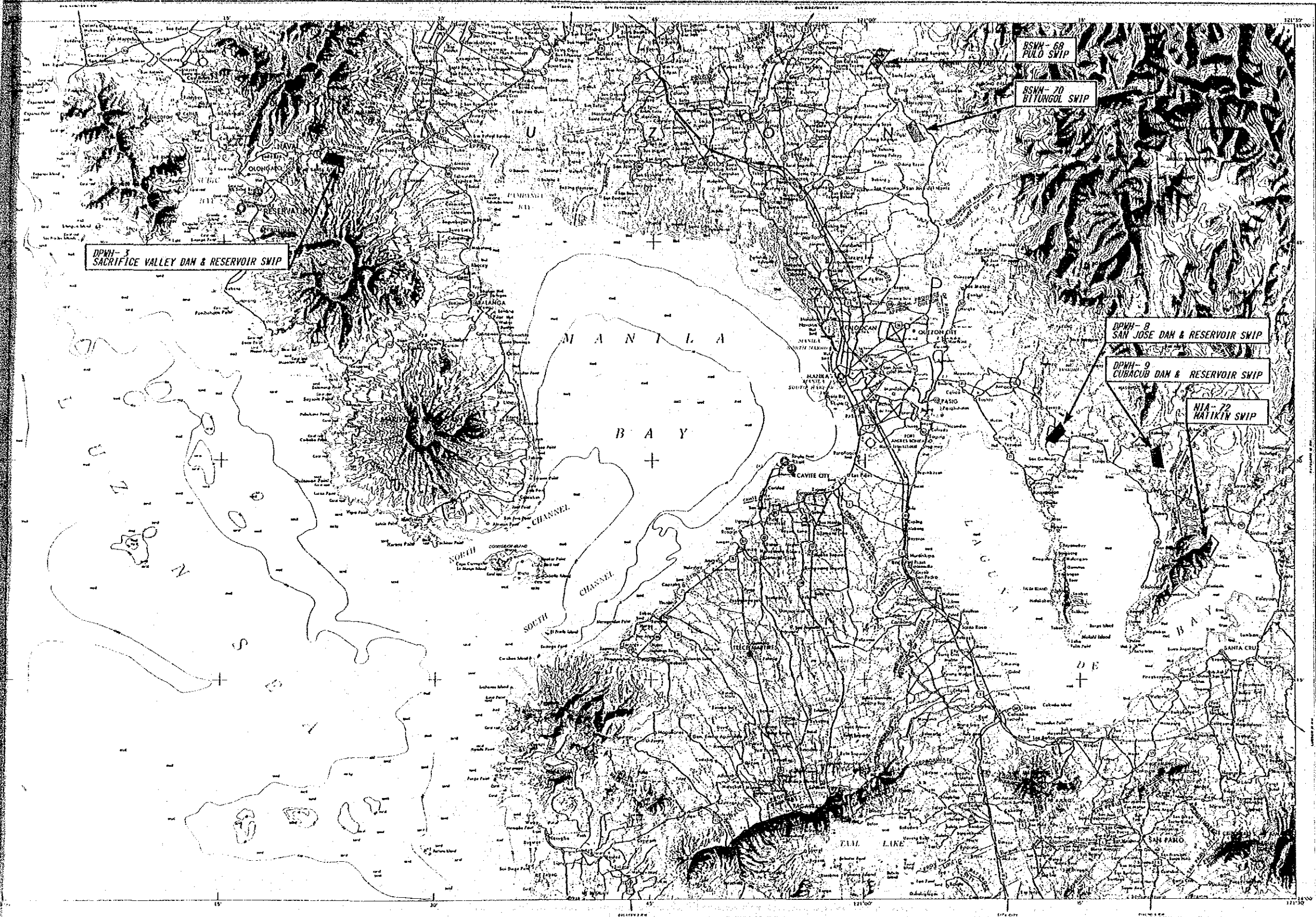
LEGEND:




-  : proposed SWIM projects by DPMH
-  : proposed SWIM projects by NIA
-  : proposed SWIM projects by BSNM
- DPMH : Department of Public Works and Highways
- NIA : National Irrigation Administration
- BSNM : Bureau of Soils and Water Management

Scale 1/500,000
 0 5 10 15 20 25 30 Kilometers
 0 5 10 15 20 Statute Miles

TRANSVERSE MERCATOR PROJECTION
 CLARKE SPHEROID 1866 LUZON DATUM
 ELEVATIONS IN METERS ABOVE MEAN SEA LEVEL
 INTERVAL OF APPROXIMATE CONTOURS 100 METERS

Fig.8 Location Map of Qualified SWIM Projects (8/34)

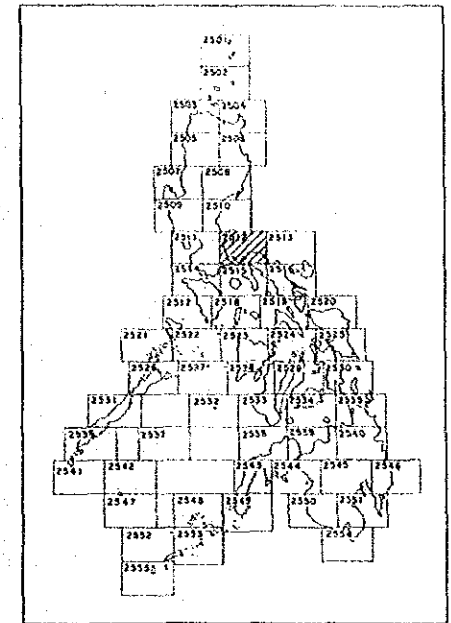


- LEGEND:**
-  : proposed SWIM projects by DPWH
 -  : proposed SWIM projects by NIA
 -  : proposed SWIM projects by BSWM
 - DPWH : Department of Public Works and Highways
 - NIA : National Irrigation Administration
 - BSWM : Bureau of Soils and Water Management




Scale 1/500,000

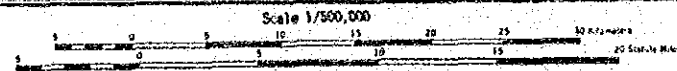
TRANSVERSE MERCATOR PROJECTION
 CLAUDE SPHEROID 1966 LUZON DATUM
 ELEVATIONS IN METERS ABOVE MEAN SEA LEVEL
 INTERVAL OF APPROXIMATE CONTOURS 100 METERS

Fig. 9 Location Map of Qualified SWIM Projects (9/34)



LEGEND:

-  : proposed SWIM projects by DPMH
-  : proposed SWIM projects by NIA
-  : proposed SWIM projects by BSMH
- DPWH : Department of Public Works and Highways
- NIA : National Irrigation Administration
- BSWM : Bureau of Soils and Water Management

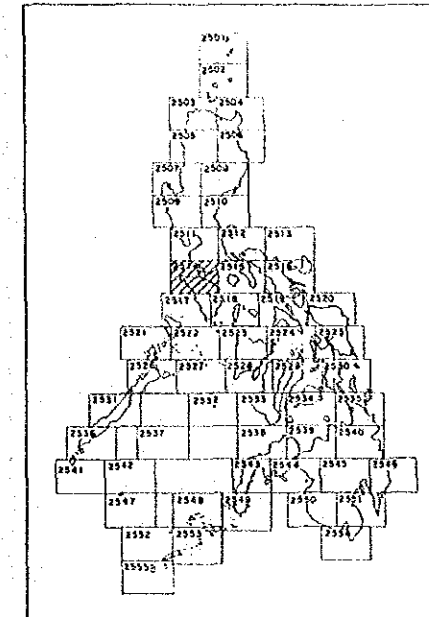
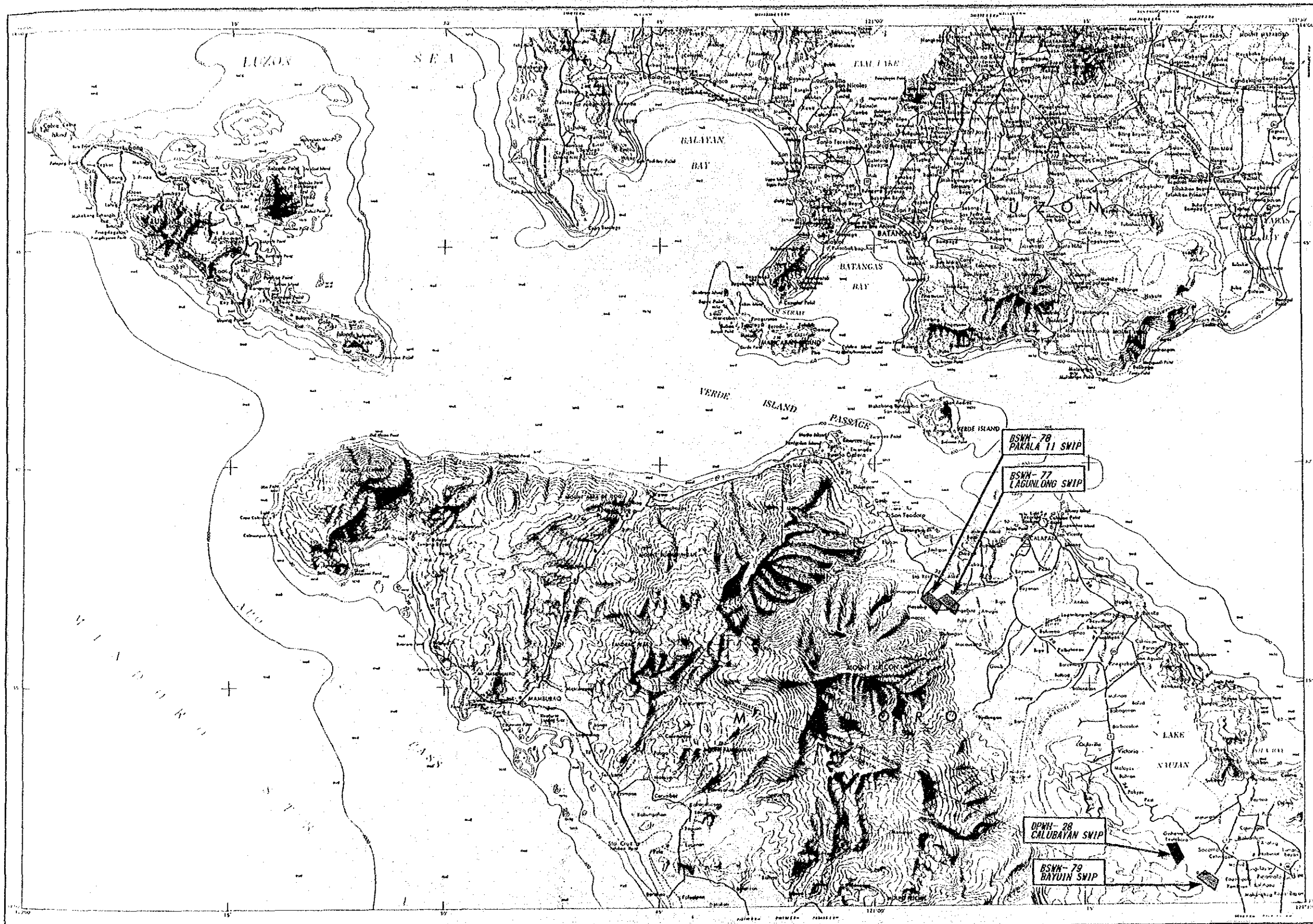





TRANSVERSE MERCATOR PROJECTION
 CLARKE SPHEROID 1866 LUZON DATUM
 ELEVATIONS IN METERS ABOVE MEAN SEA LEVEL
 INTERVAL OF APPROXIMATE CONTOURS 100 METERS

Fig. 10 Location Map of Qualified SWIM Projects (10/84)

BATANGAS

P.C.G.S. 2514



- LEGEND:**
-  : proposed SWIM projects by DPWH
 -  : proposed SWIM projects by NIA
 -  : proposed SWIM projects by BSM
 - DPWH : Department of Public Works and Highways
 - N I A : National Irrigation Administration
 - BSWN : Bureau of Soils and Water Management

Scale 1/500,000

TRANSVERSE MERCATOR PROJECTION
 CLARKE SPHEROID 1866 LUZON DATUM
 ELEVATIONS IN METERS ABOVE MEAN SEA LEVEL
 INTERVAL OF APPROXIMATE CONTOURS 100 METERS

Fig. 11 Location Map of Qualified SWIM Projects (11/34)