

FIGURES

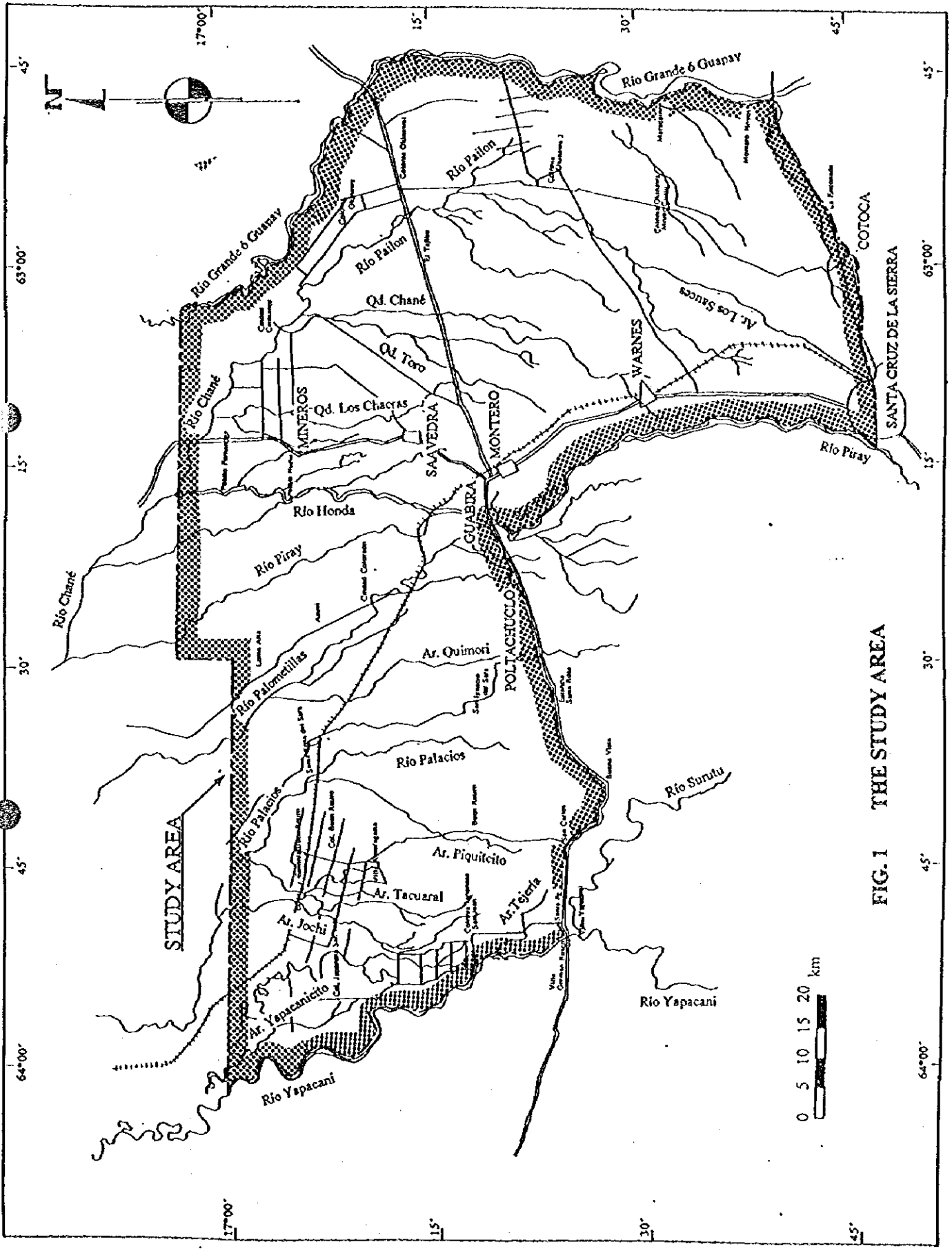


FIG. I THE STUDY AREA

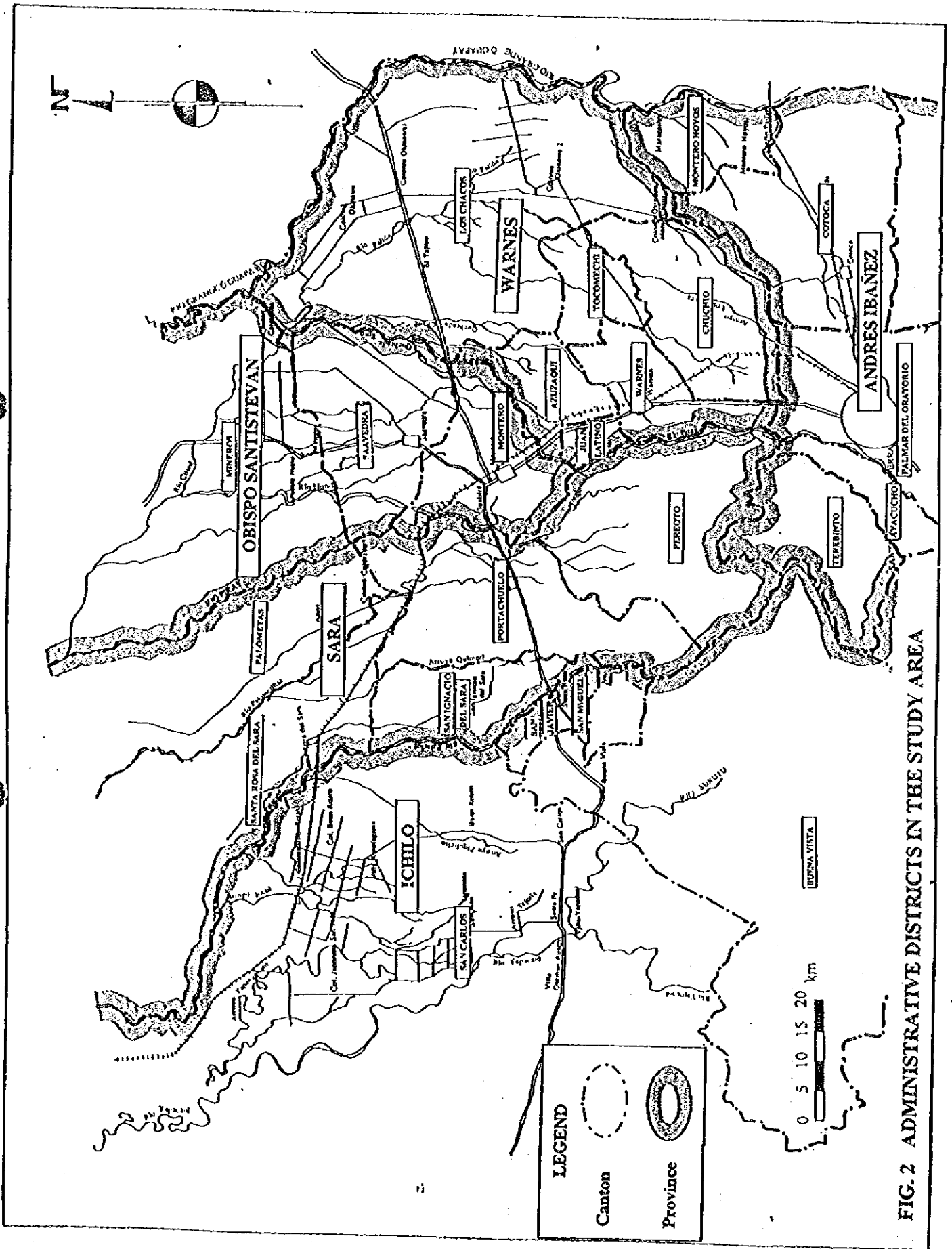


FIG. 2 ADMINISTRATIVE DISTRICTS IN THE STUDY AREA

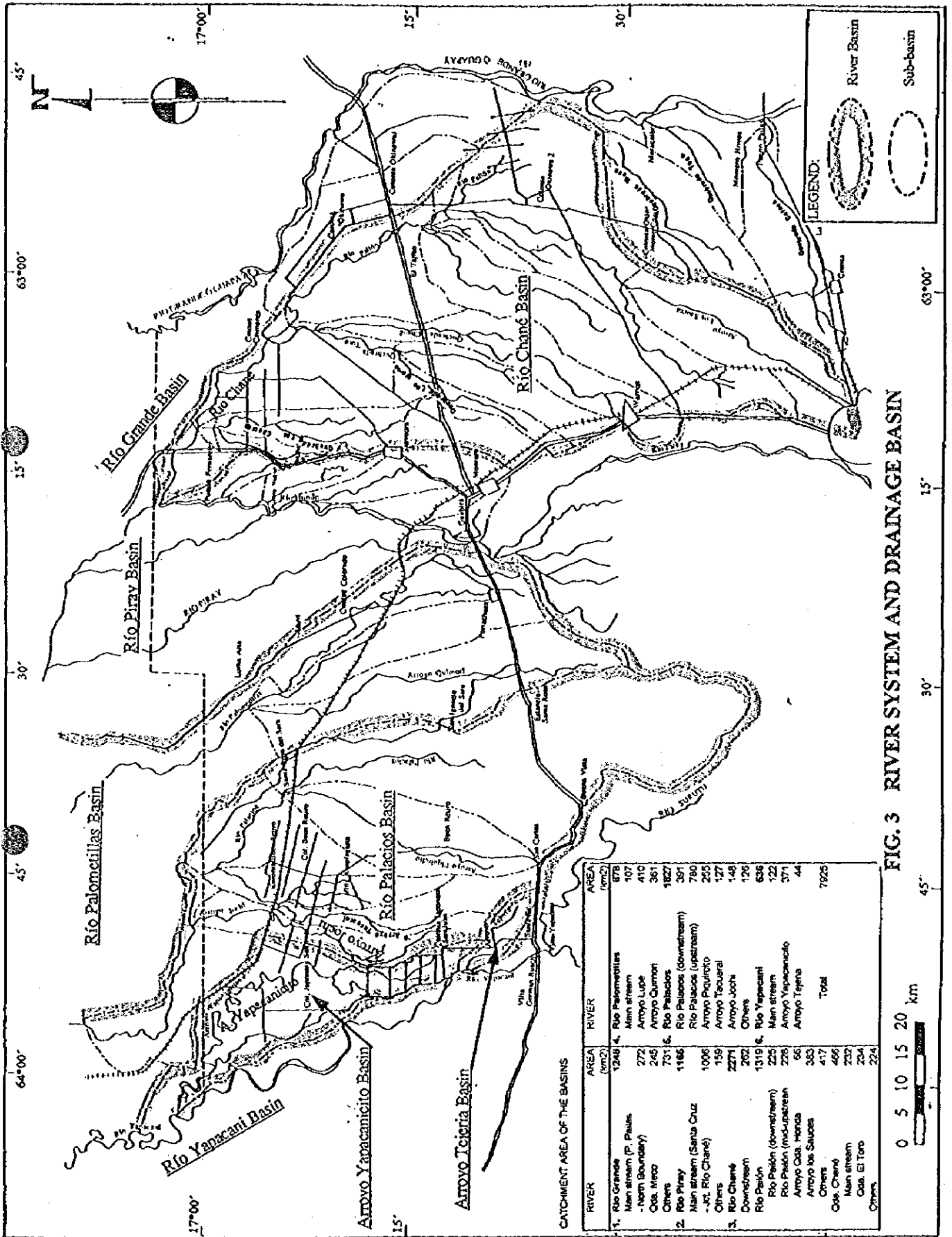


FIG. 3 RIVER SYSTEM AND DRAINAGE BASIN

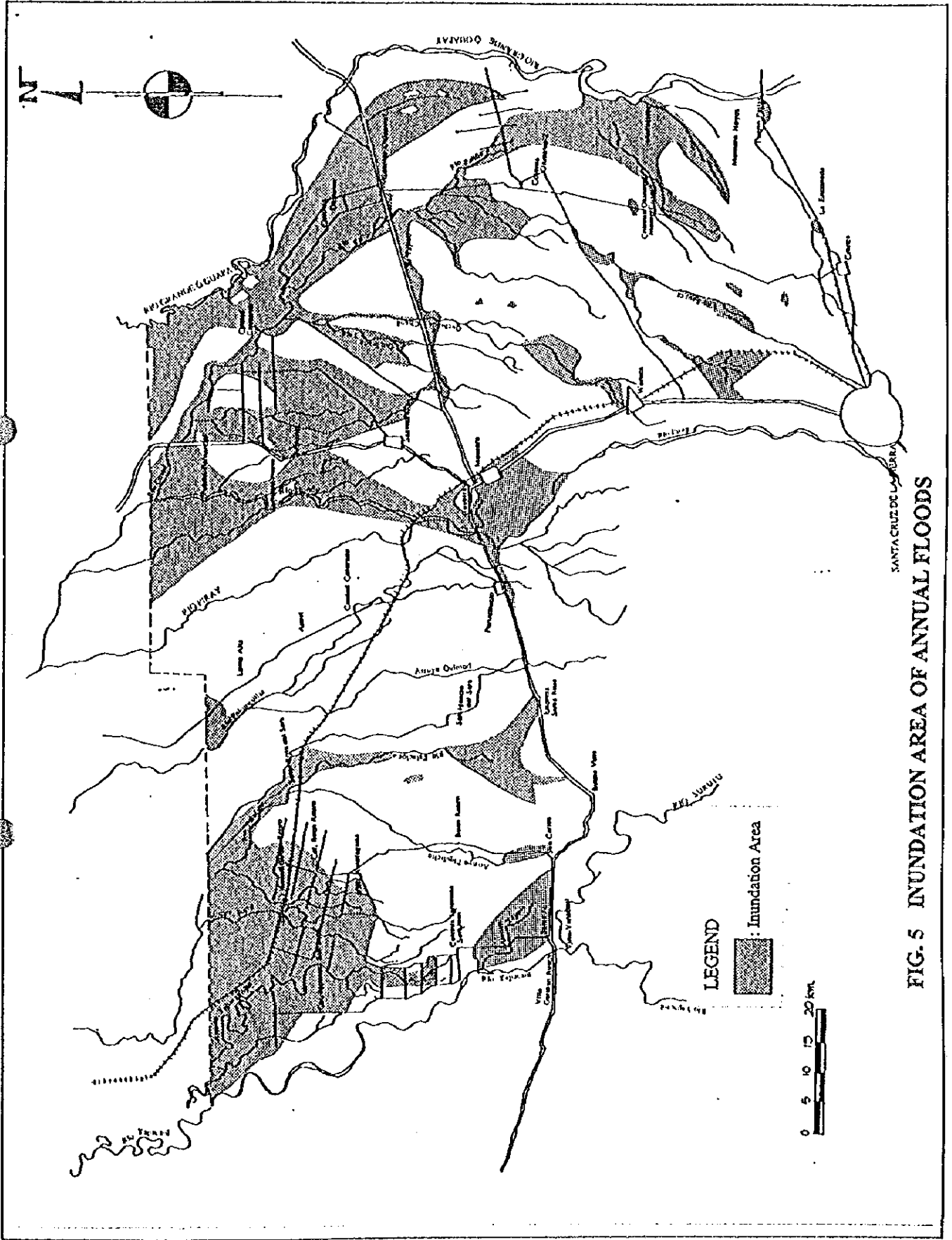
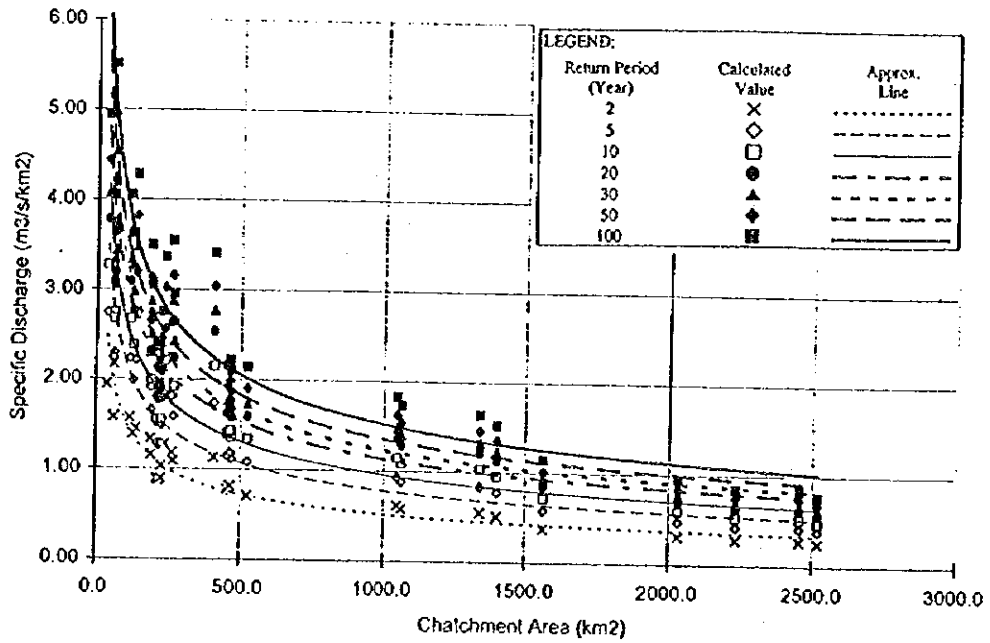


FIG. 5 INUNDATION AREA OF ANNUAL FLOODS

SPECIFIC DISCHARGE OF THE RIO CHANE BASIN



SPECIFIC DISCHARGE OF THE ARROYO YAPACANICITO-JOCHI-TACUARAL-TEJERIA BASINS

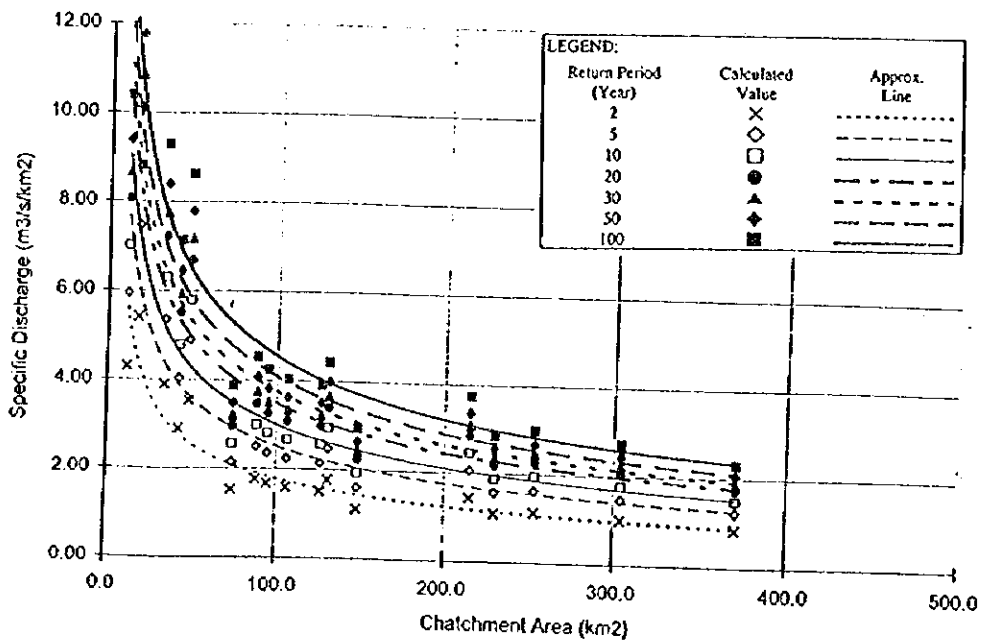
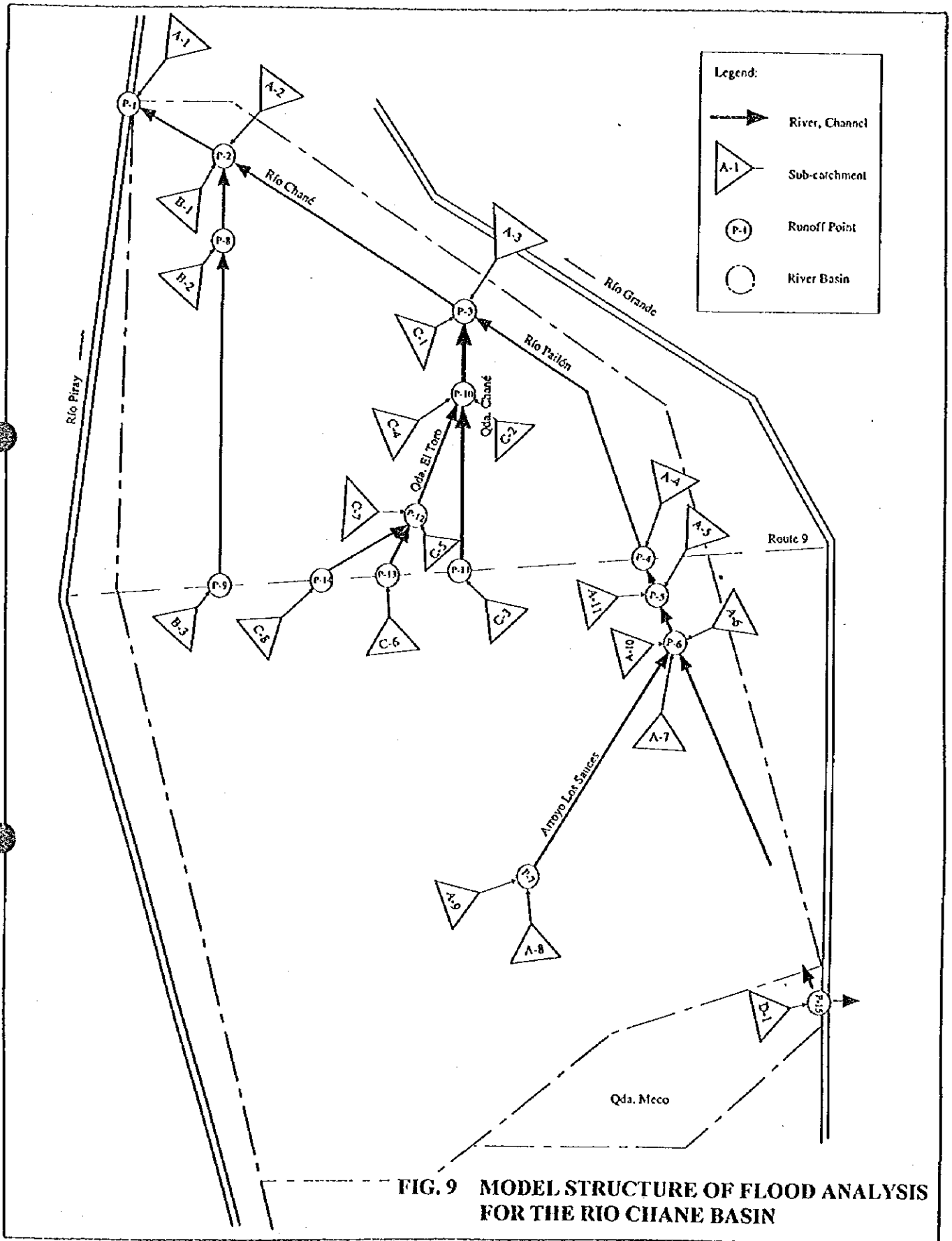


FIG. 8 SPECIFIC DISCHARGES OF THE RIO CHANE BASIN AND ARROYO YAPACANICITO-JOCHI-TACUARAL-TEJERIA BASINS



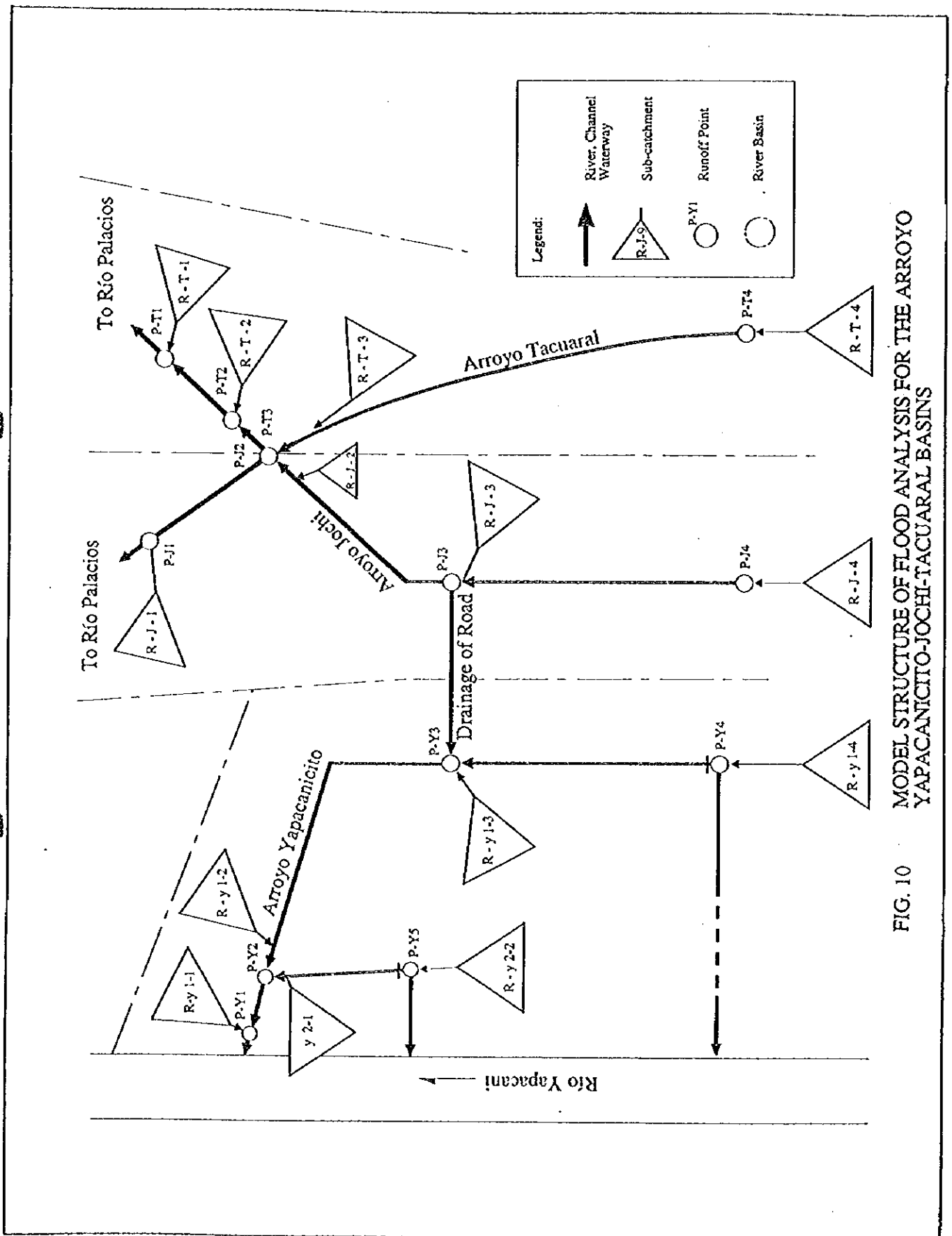
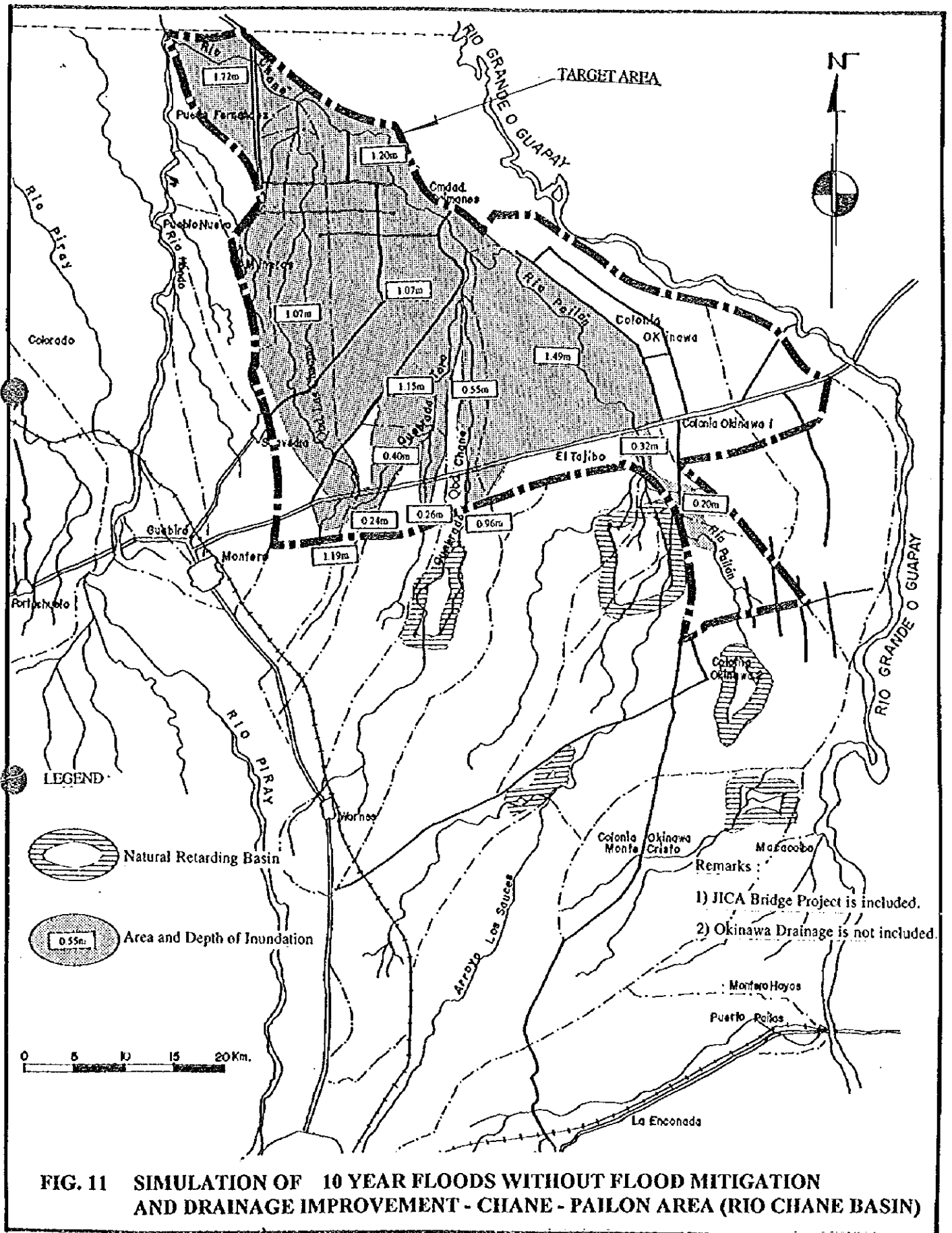


FIG. 10 MODEL STRUCTURE OF FLOOD ANALYSIS FOR THE ARROYO YAPACANICITO-JOCHI-TACUARAL BASINS



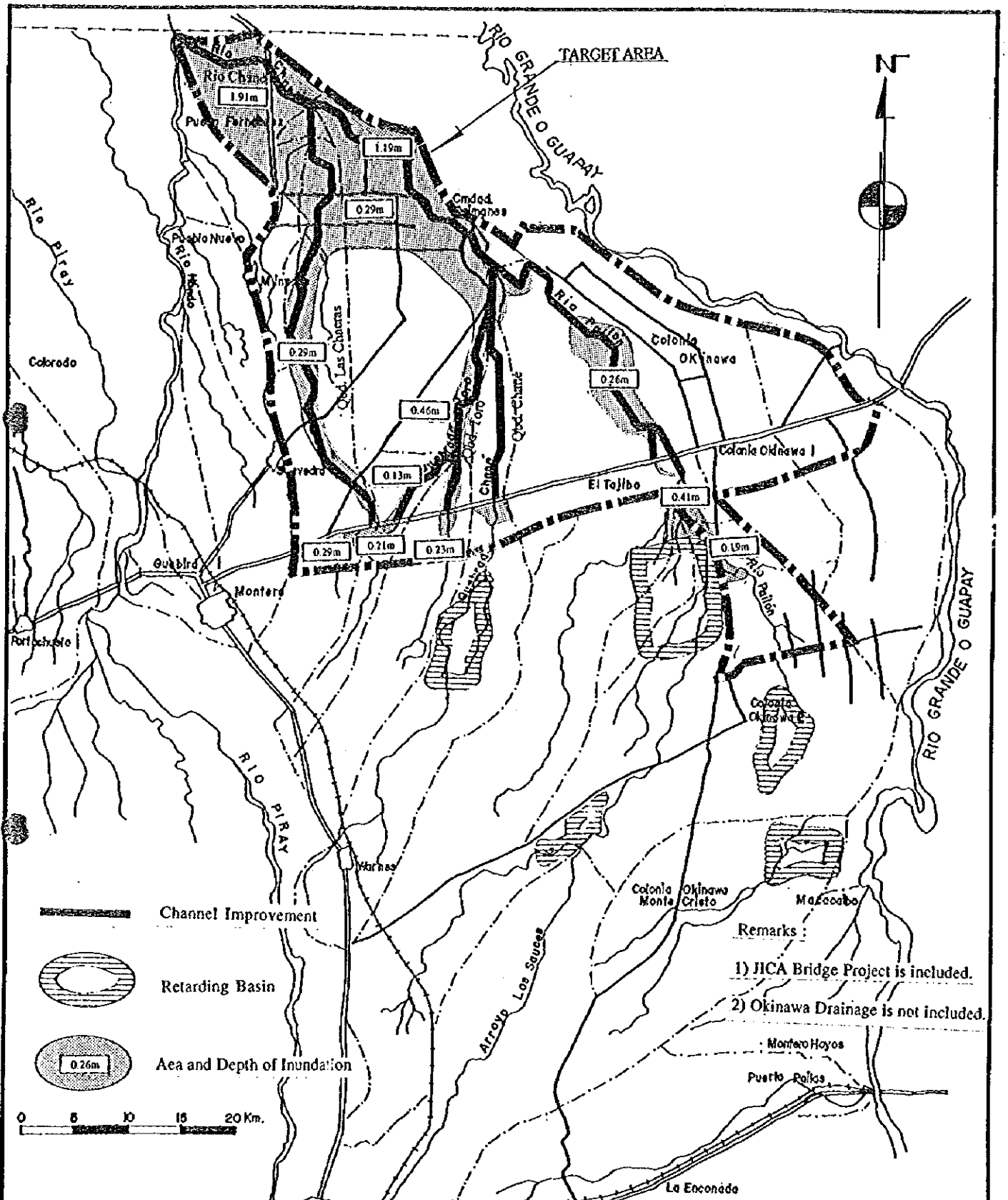


FIG. 12 SIMULATION OF 10 YEAR FLOODS WITH FLOOD MITIGATION AND DRAINAGE IMPROVEMENT - CHANE - PAILON AREA (RIO CHANE BASIN : ALTERNATIVE I)

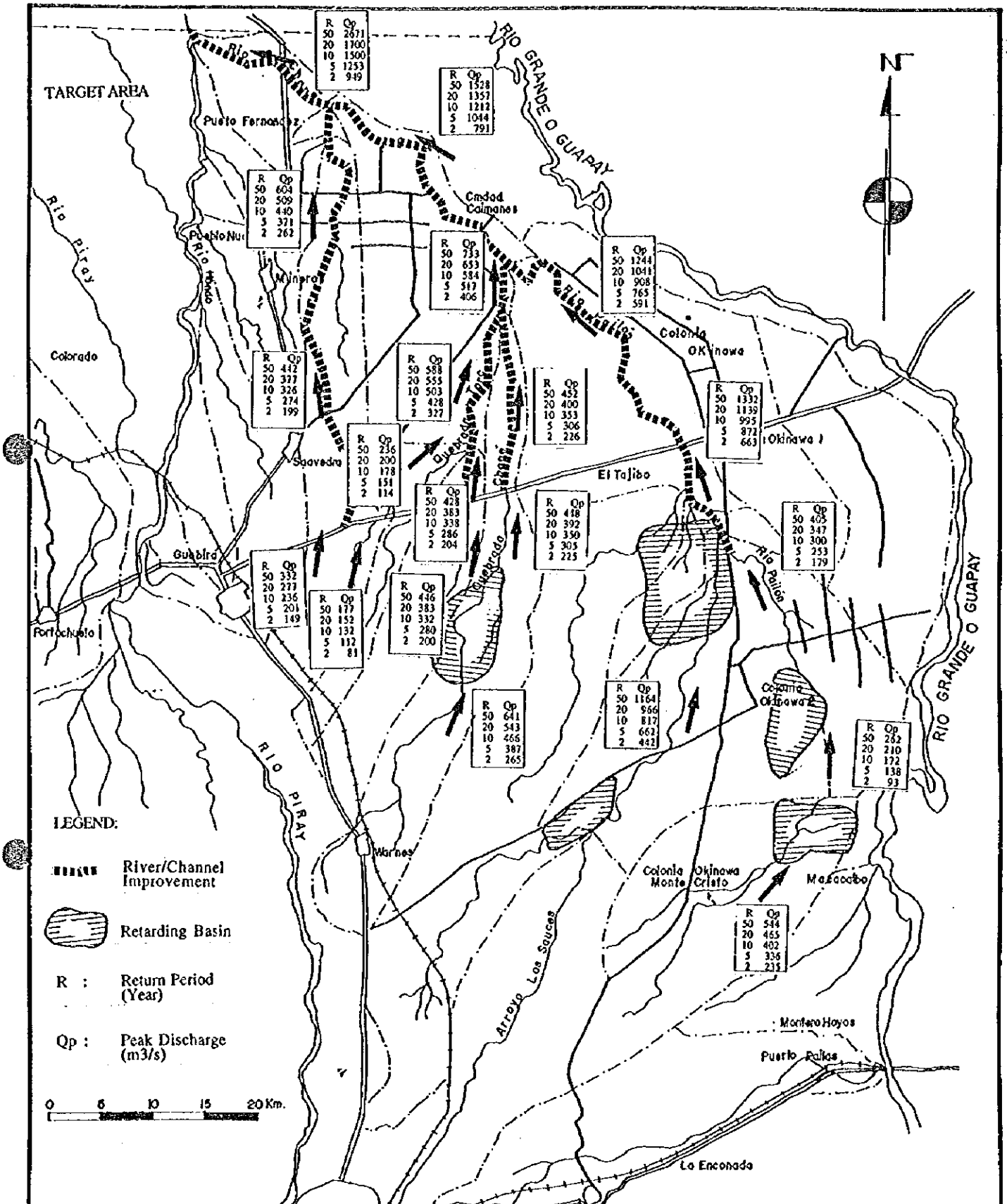
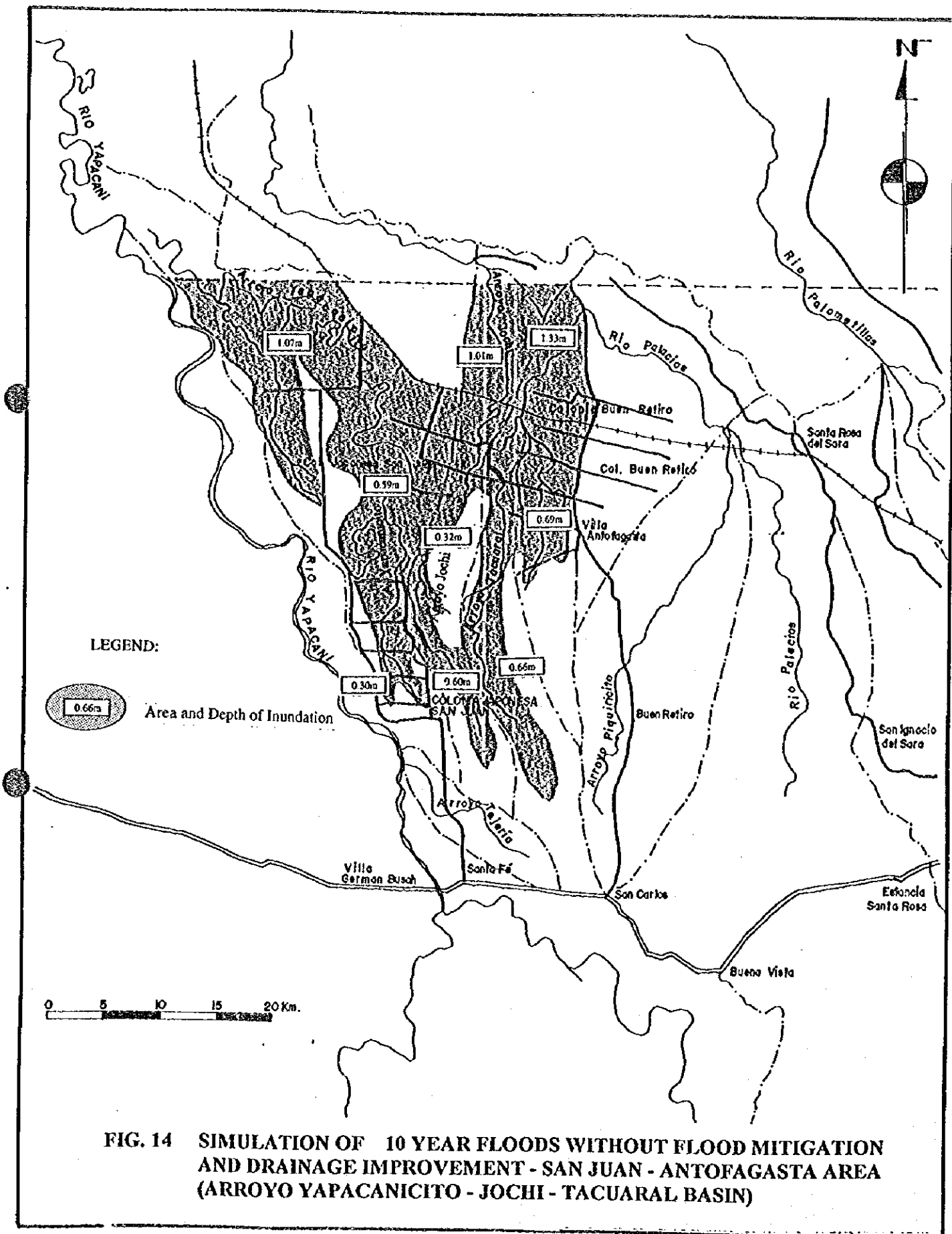


FIG. 13 PEAK DISCHARGE BY HYDRAULIC SIMULATION FOR CHIANE - PAILON AREA : ALTERNATIVE I (RIO CHIANE BASIN)



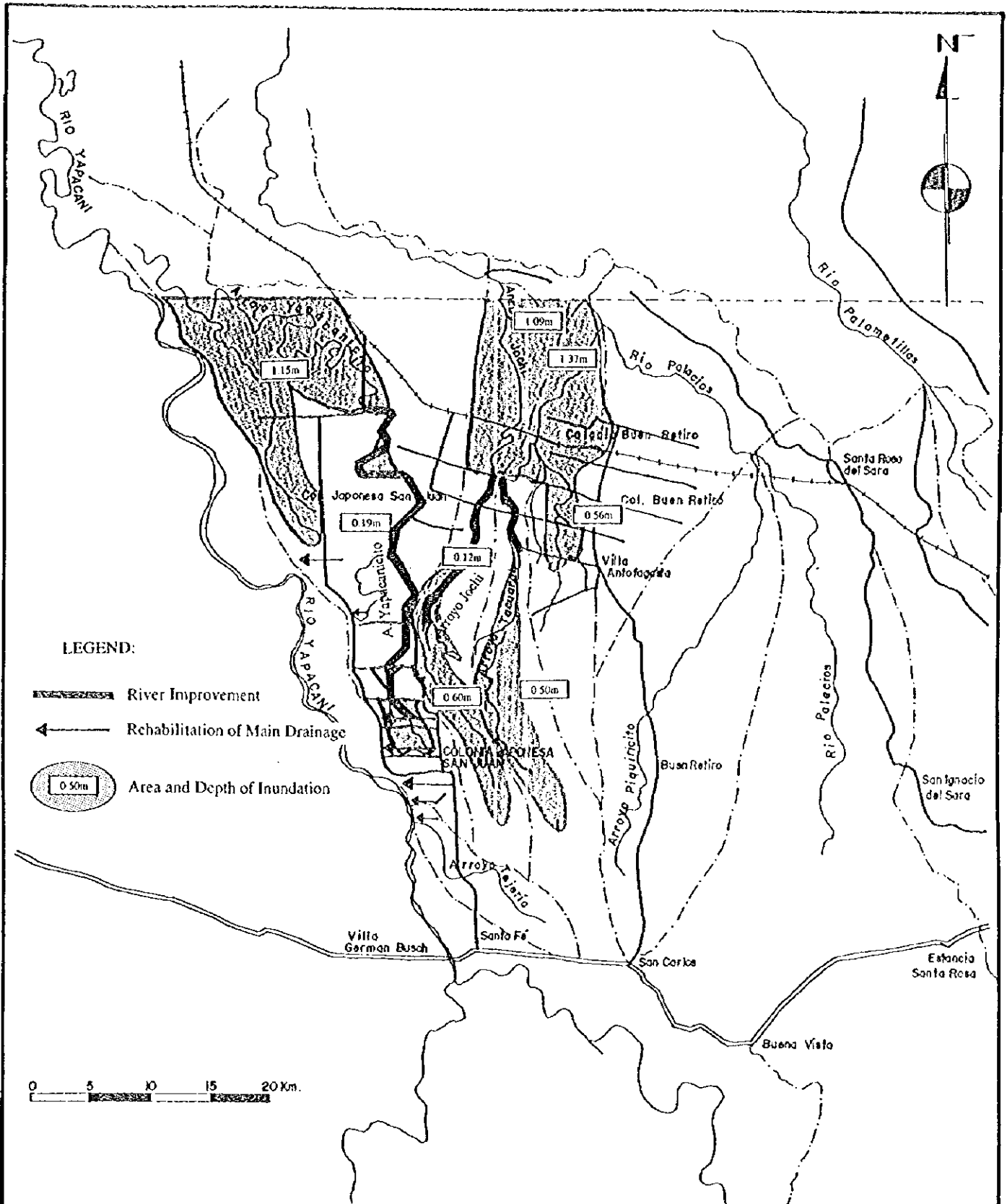


FIG. 15 SIMULATION OF 10 YEAR FLOODS WITHOUT FLOOD MITIGATION AND DRAINAGE IMPROVEMENT - SAN JUAN - ANTOFAGASTA AREA (ARROYO YAPACANICITO - JOCHI - TACUARAL BASIN)

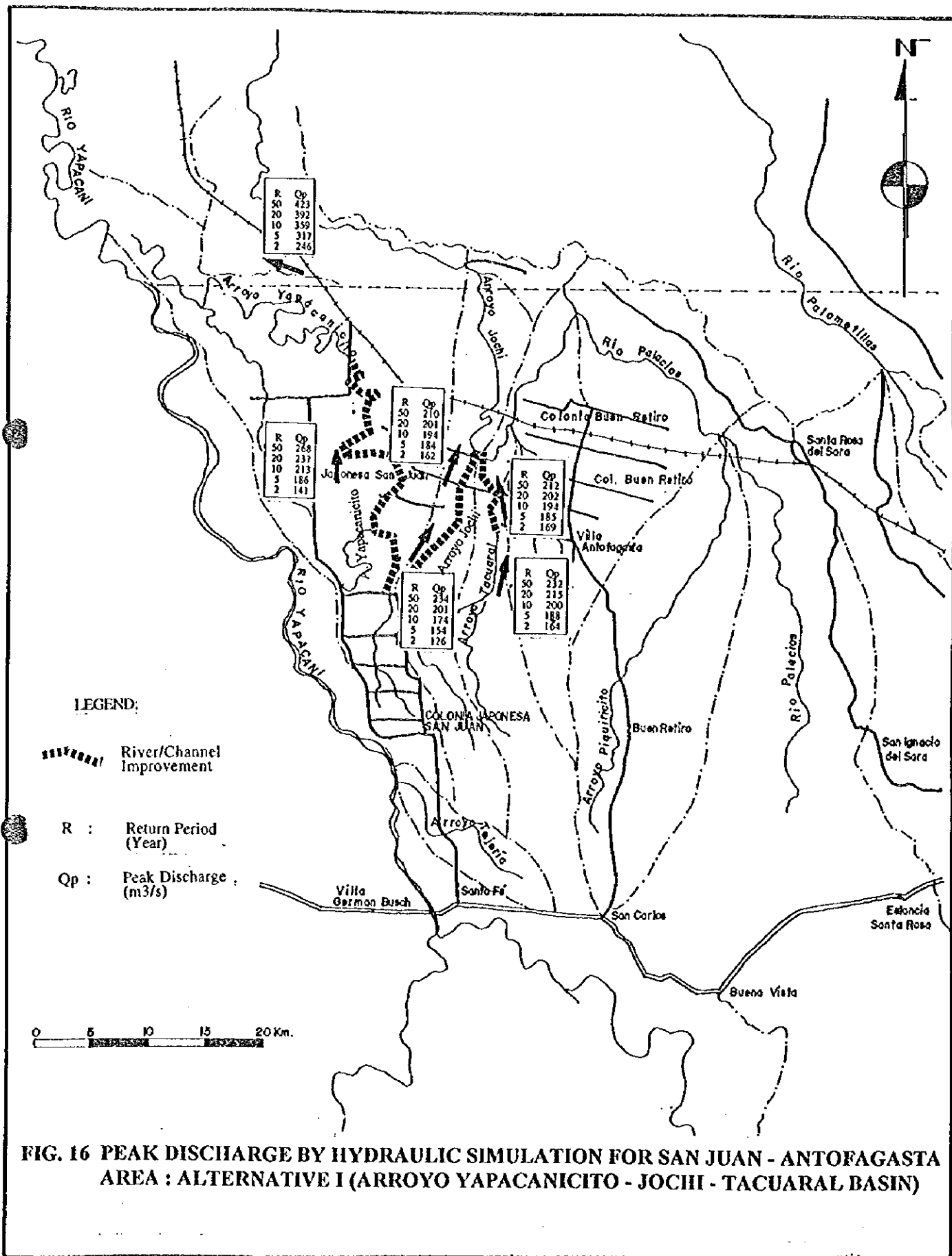


FIG. 16 PEAK DISCHARGE BY HYDRAULIC SIMULATION FOR SAN JUAN - ANTOFAGASTA AREA : ALTERNATIVE I (ARROYO YAPACANICITO - JOCHI - TACUARAL BASIN)

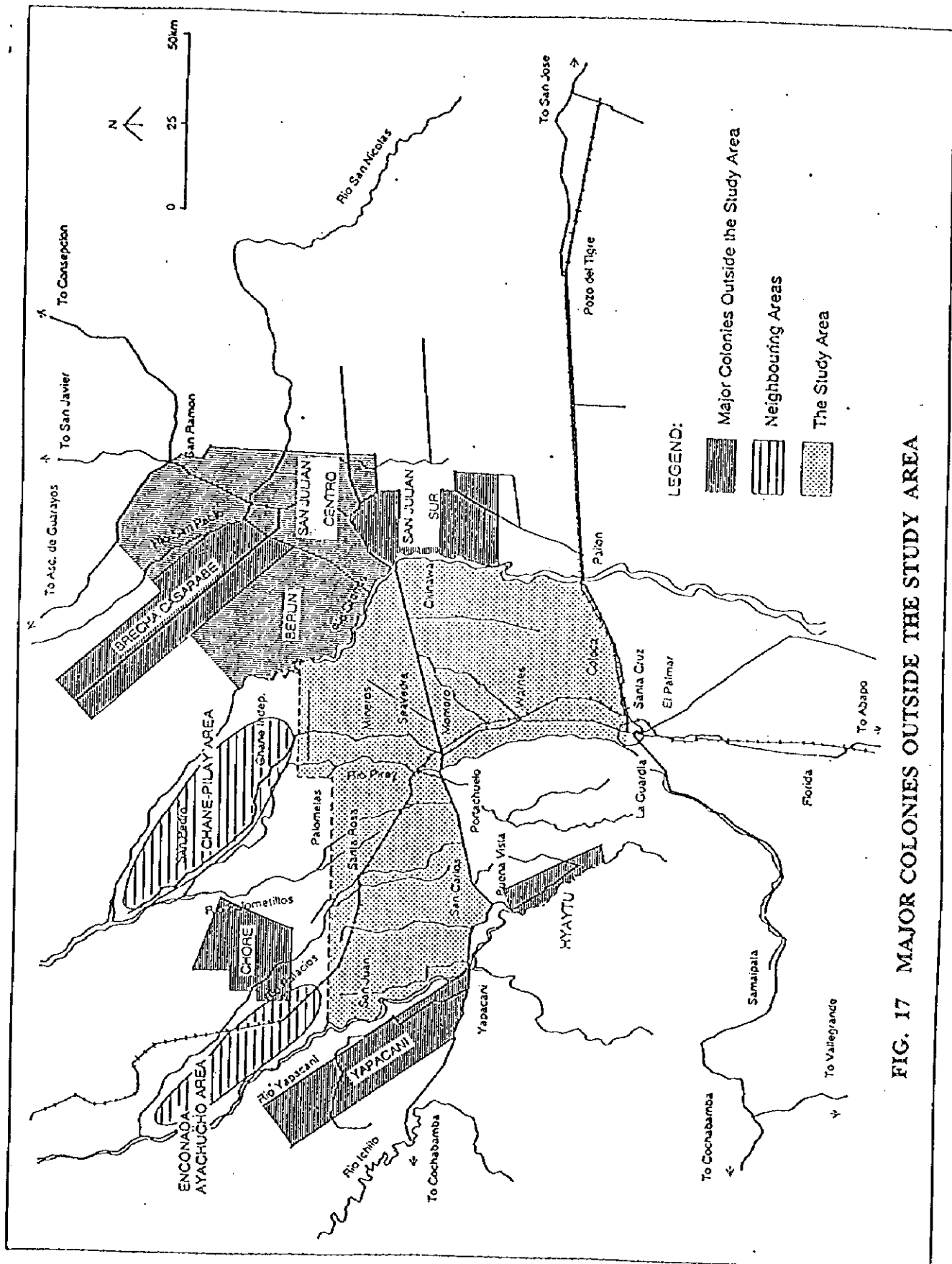


FIG. 17 MAJOR COLONIES OUTSIDE THE STUDY AREA

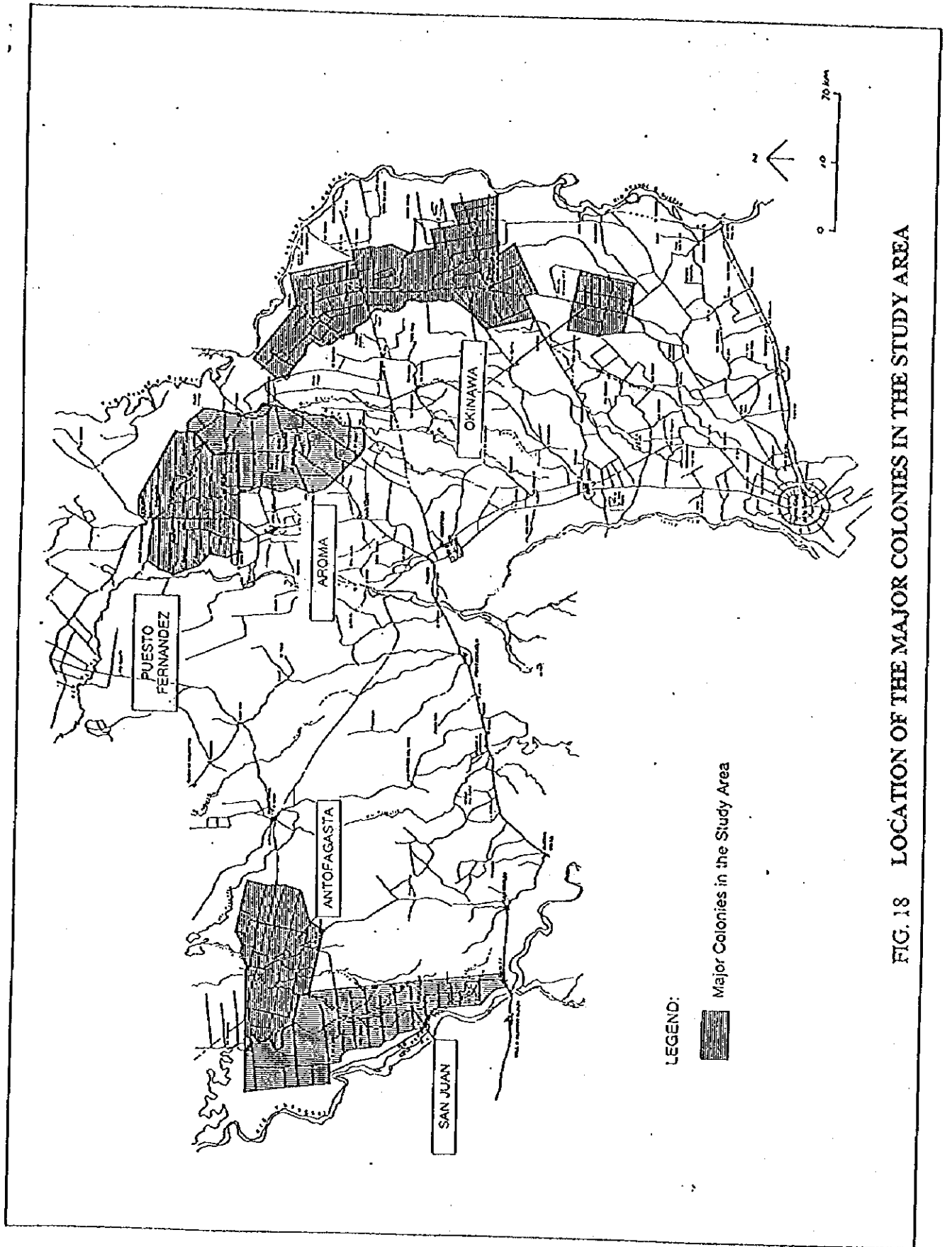


FIG. 18 LOCATION OF THE MAJOR COLONIES IN THE STUDY AREA

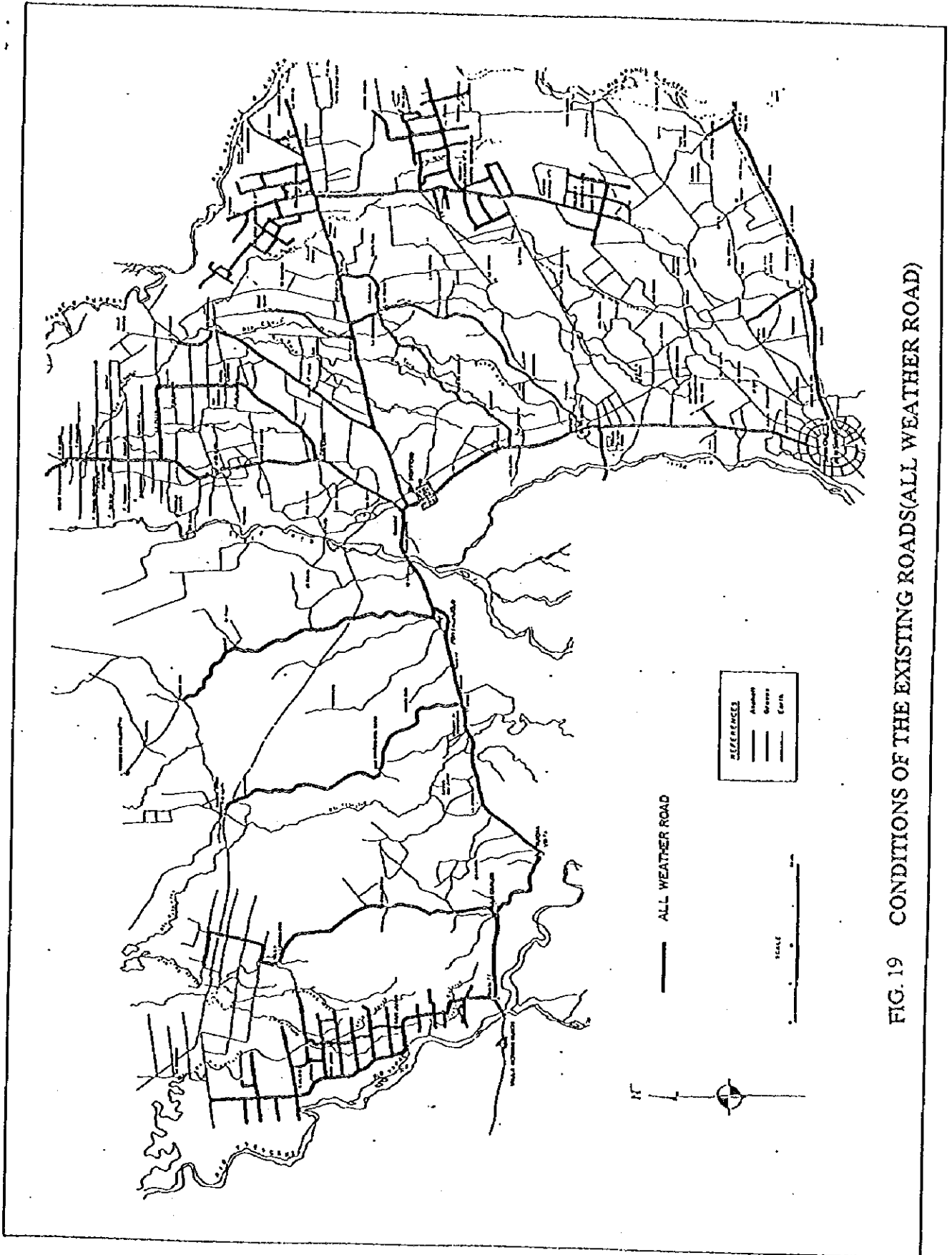


FIG. 19 CONDITIONS OF THE EXISTING ROADS(ALL WEATHER ROAD)

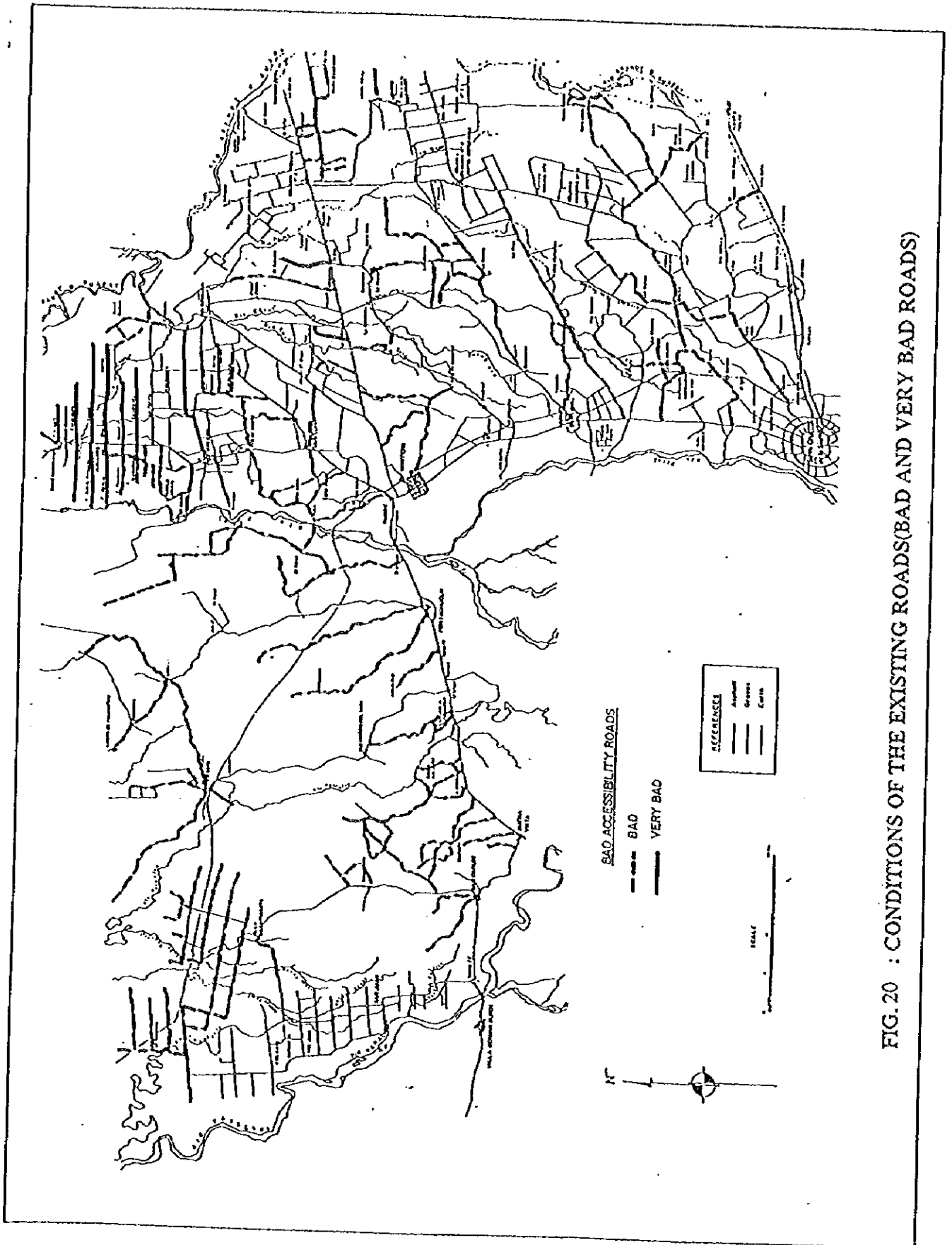


FIG. 20 : CONDITIONS OF THE EXISTING ROADS(BAD AND VERY BAD ROADS)

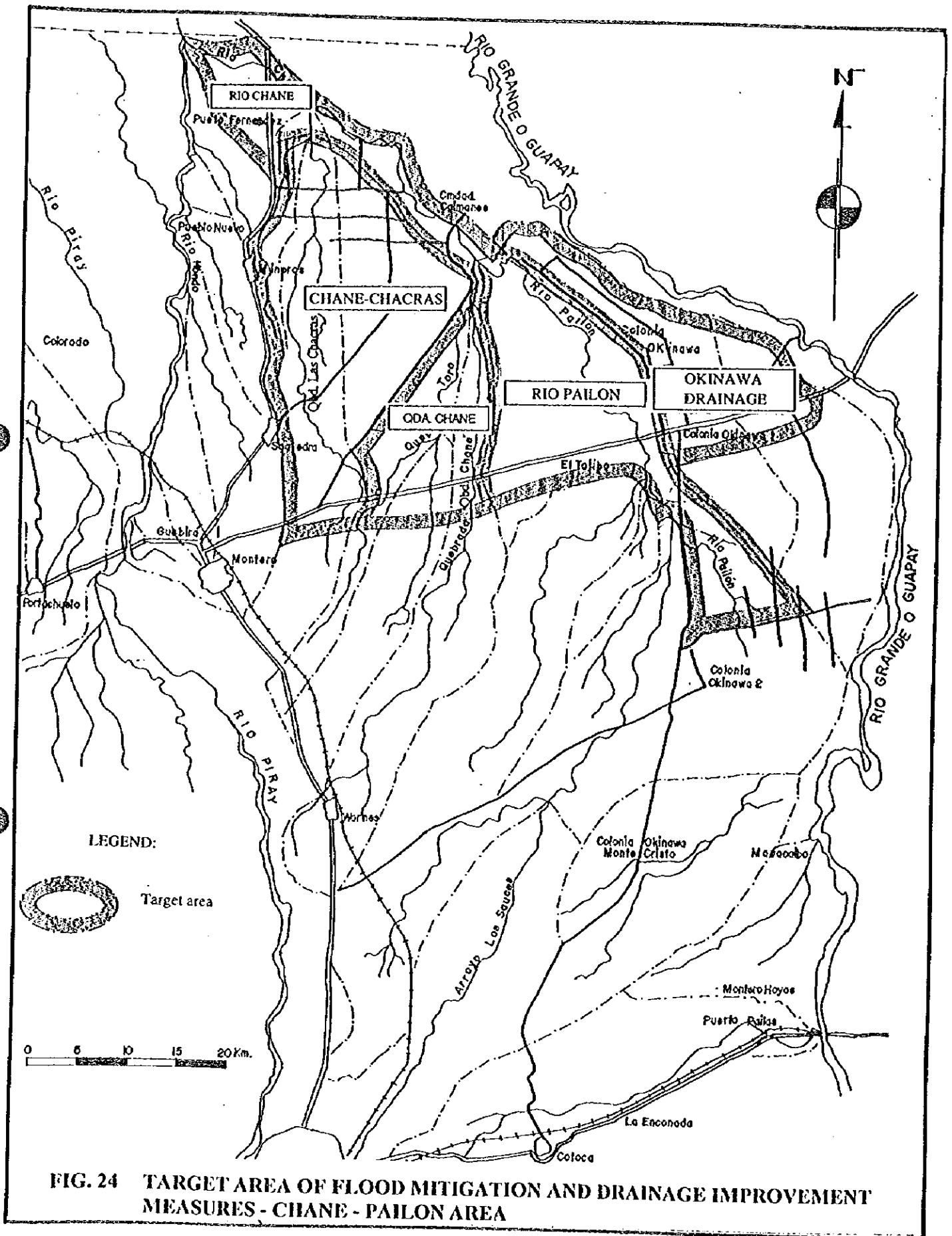


FIG. 24 TARGET AREA OF FLOOD MITIGATION AND DRAINAGE IMPROVEMENT MEASURES - CHANE - PAILON AREA

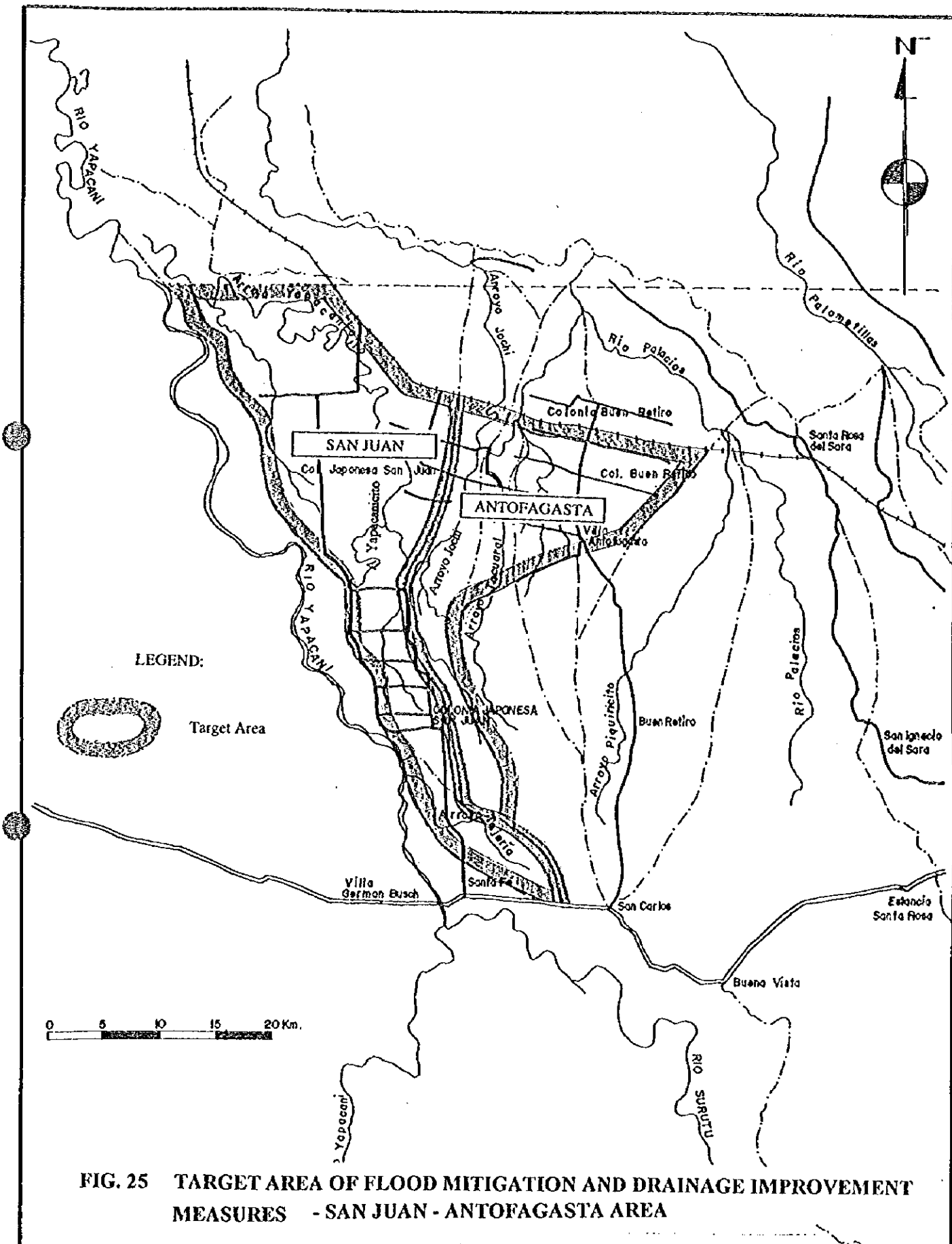


FIG. 25 TARGET AREA OF FLOOD MITIGATION AND DRAINAGE IMPROVEMENT MEASURES - SAN JUAN - ANTOFAGASTA AREA

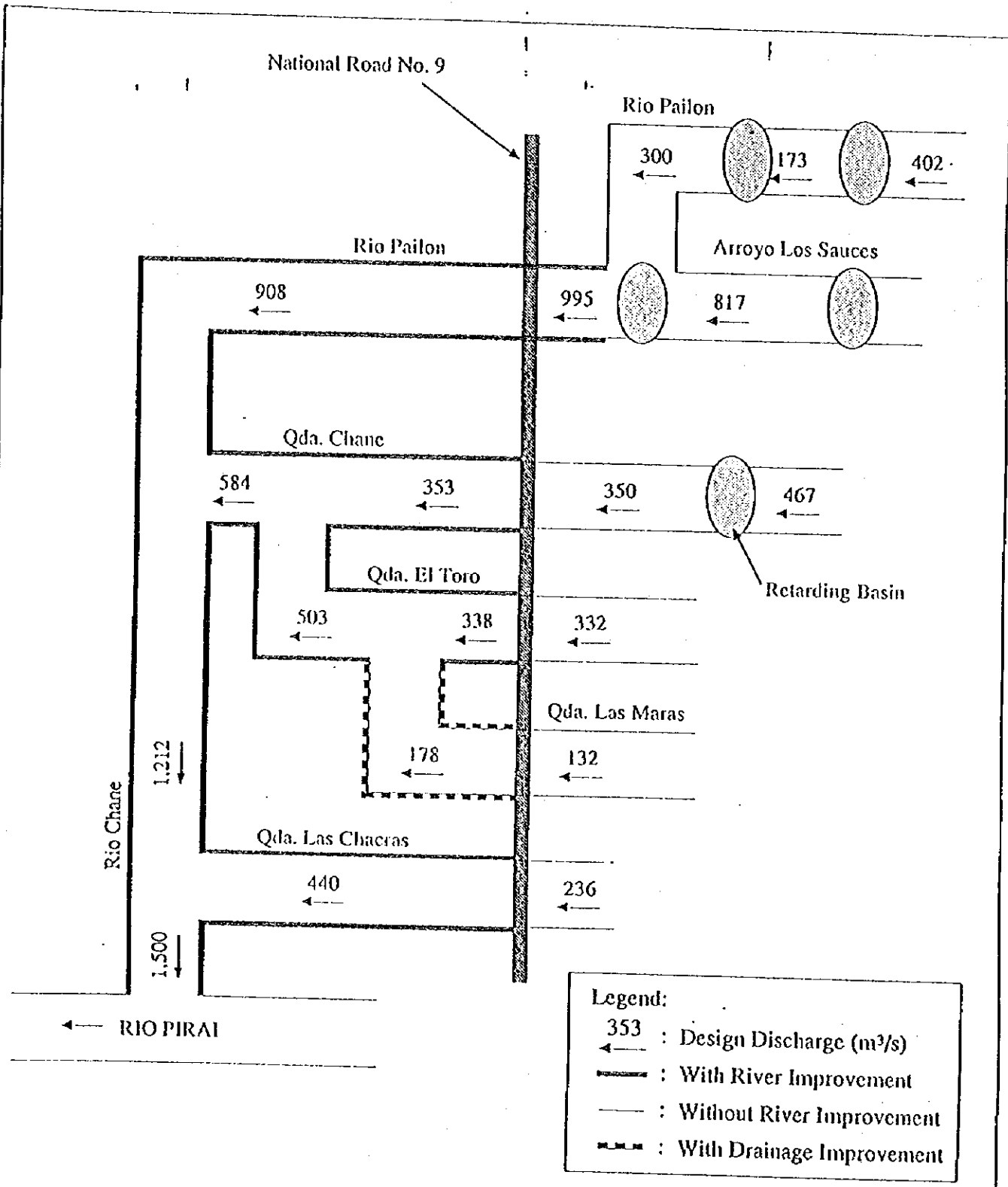
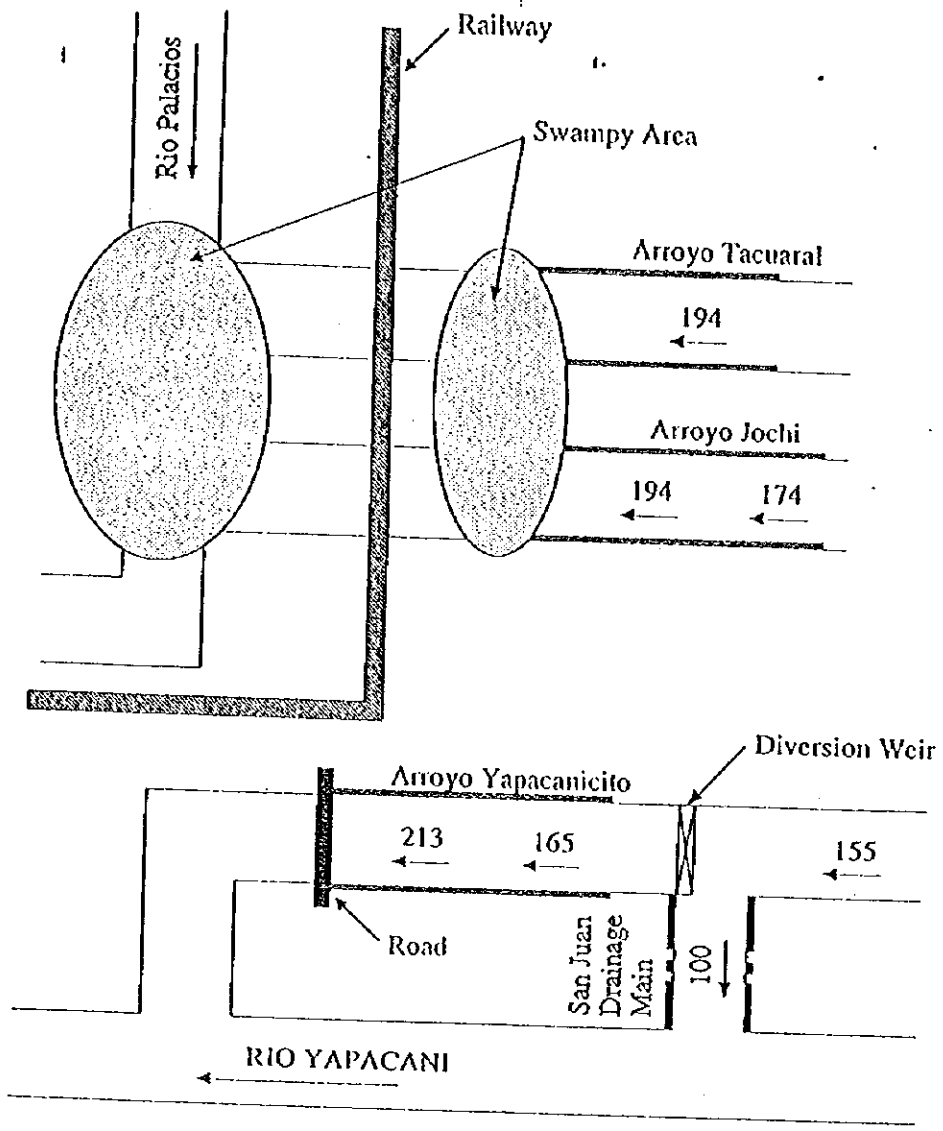


FIG. 26 DESIGN DISCHARGE DISTRIBUTION OF 10-YEAR FLOODS CHANE-PAILON: ALTERNATIVE I



Legend:

213 : Design Discharge (m³/s)

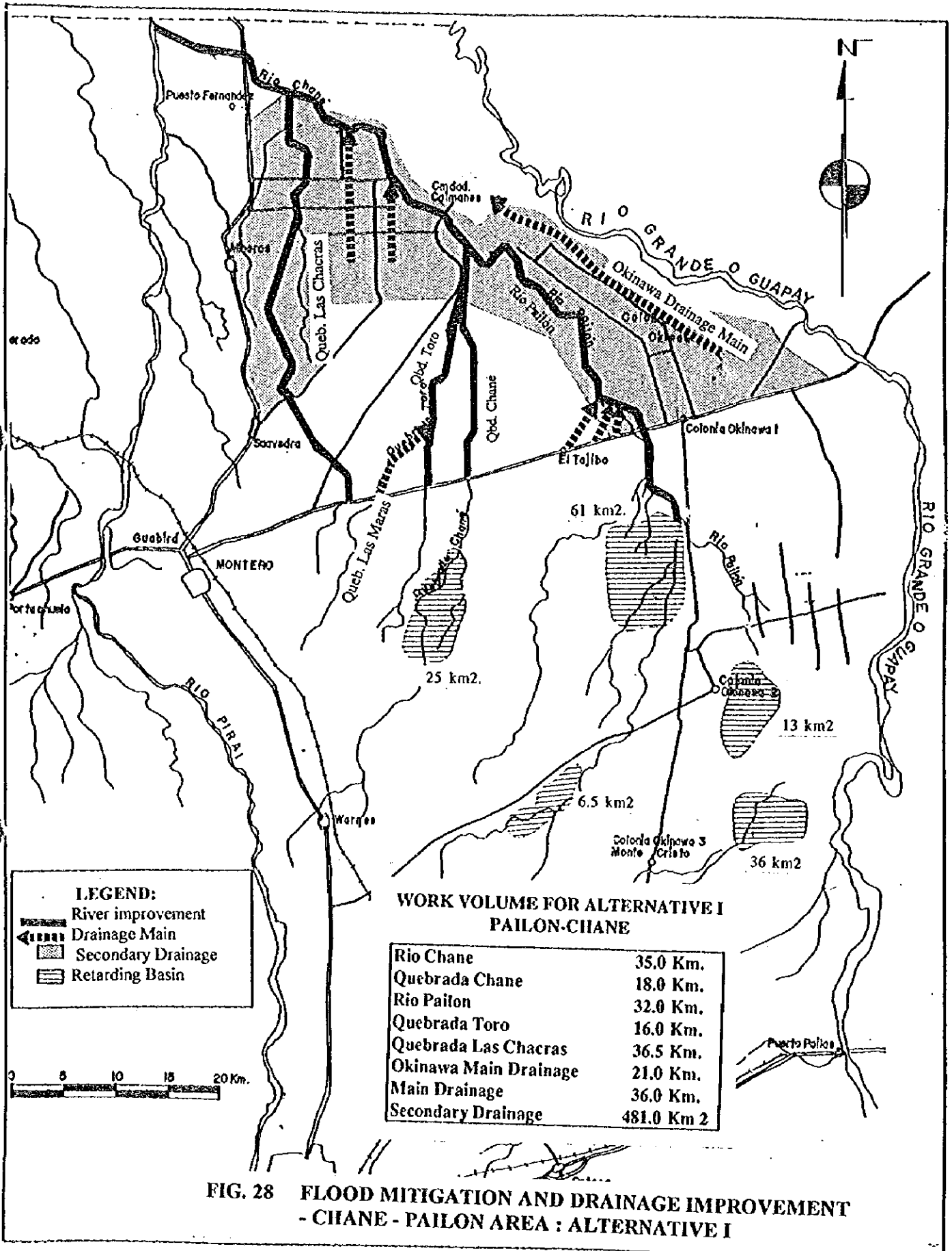
← : Design Discharge (m³/s)

— : With River Improvement

- - - : Without River Improvement

--- : Rehabilitation of Drainage

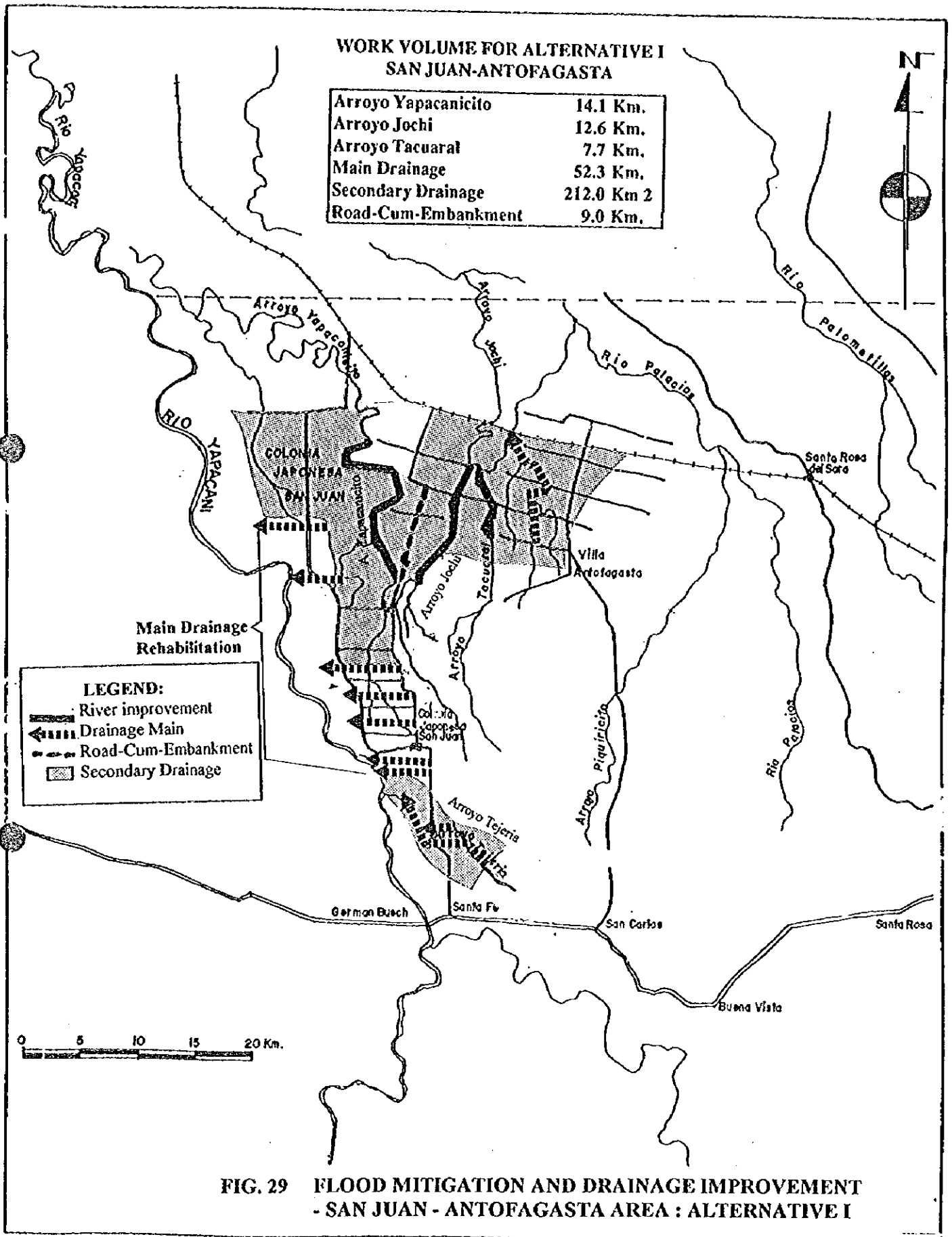
FIG. 27 DESIGN DISCHARGE DISTRIBUTION OF 10-YEAR FLOODS SAN JUAN-ANTOFAGASTA: ALTERNATIVE I



**WORK VOLUME FOR ALTERNATIVE I
PAILON-CHANE**

Rio Chane	35.0 Km.
Quebrada Chane	18.0 Km.
Rio Pailon	32.0 Km.
Quebrada Toro	16.0 Km.
Quebrada Las Chacras	36.5 Km.
Okinawa Main Drainage	21.0 Km.
Main Drainage	36.0 Km.
Secondary Drainage	481.0 Km ²

**FIG. 28 FLOOD MITIGATION AND DRAINAGE IMPROVEMENT
- CHANE - PAILON AREA : ALTERNATIVE I**



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