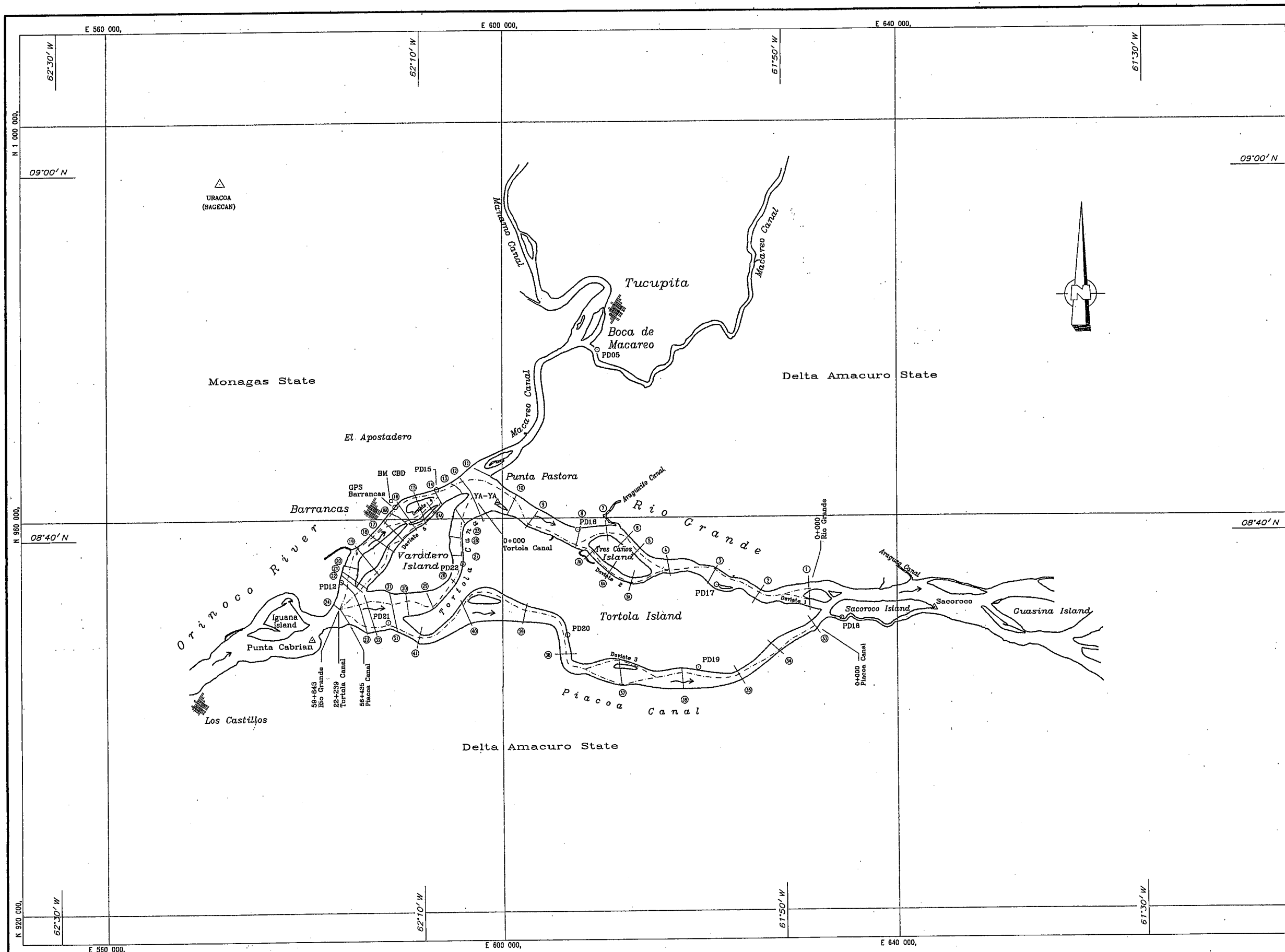
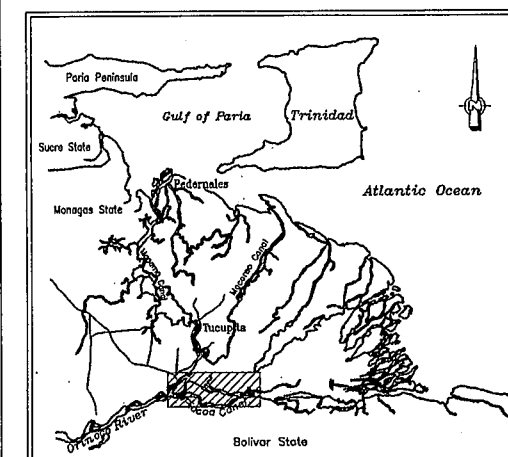


Geographic Location



Study Area

Transversal	
River	Amount of Sections
Rio Grande Canal	25
Deviate 2 - Rio Grande	3
Deviate 5 - Rio Grande	1
Piacoa Canal	11
Tortola Canal	6

Section Description

Coordinates (U.T.M.)

POINT	NORTE	ESTE	ELEVATION
GPS BARRANCAS	981 250,40	589 127,12	9,99
URACOA	994 087,04	571 507,72	6,72
BM-CBD	981 691,78	588 725,79	10,89
BM-MT-12	975 638,88	555 509,12	16,99
PD05	977 095,02	609 624,99	9,07
PD12	953 613,15	583 614,08	13,20
PD15	982 981,98	593 385,25	7,95
PD16	958 828,13	607 831,36	9,12
PD17	953 085,22	621 610,49	7,89
PD18	949 630,33	634 325,35	6,83
PD19	944 694,17	619 756,83	6,98
PD20	948 088,55	608 542,05	10,71
PD21	948 488,77	588 379,19	10,36
PD22	955 377,89	595 994,62	8,04
PUNTA CABRIAN	947 806,12	580 681,02	11,28
SACOROCO	950 548,97	643 747,57	8,22
YA-YA	961 681,28	598 521,71	10,10

Sheet: 1 of 1

LEVANTADO Y DIBUJADO POR:
OCEANOGRÁFICA MERCATOR C.A.

PACIFIC CONSULTANTS INTERNATIONAL
PASCO INTERNATIONAL

JAPAN INTERNATIONAL
COOPERATION AGENCY



Sheet No.

NOTES:

- The Coordinate System is UTM, Zone 20, Datum La Canoa.
- Soundings in meters referenced to mean sea level (M.S.L.)
- Sounding survey was performed in September 1999
- Shore lines along the canals were obtained from 1:100,000 maps.

LEGEND

- △ CARTOGRAFIA NACIONAL POINT
- △ FLUVIOMETER
- BENCH MARK
- PROGRESSIVE
- GPS SUPPORT POINT
- 2.5 DEPTH IN METER
- LONGITUDINAL PROFILE

TITLE:

SOUNDING SURVEY
RIO GRANDE CANAL - ORINOCO RIVER
TORTOLA CANAL-PIACOA CANAL
SECTION LOCATIONS

SCALE 1: 200,000

PROJECT:

STUDY ON INTEGRATED RIVER
IMPROVEMENT OF THE ORINOCO RIVER
IN THE REPUBLIC OF VENEZUELA