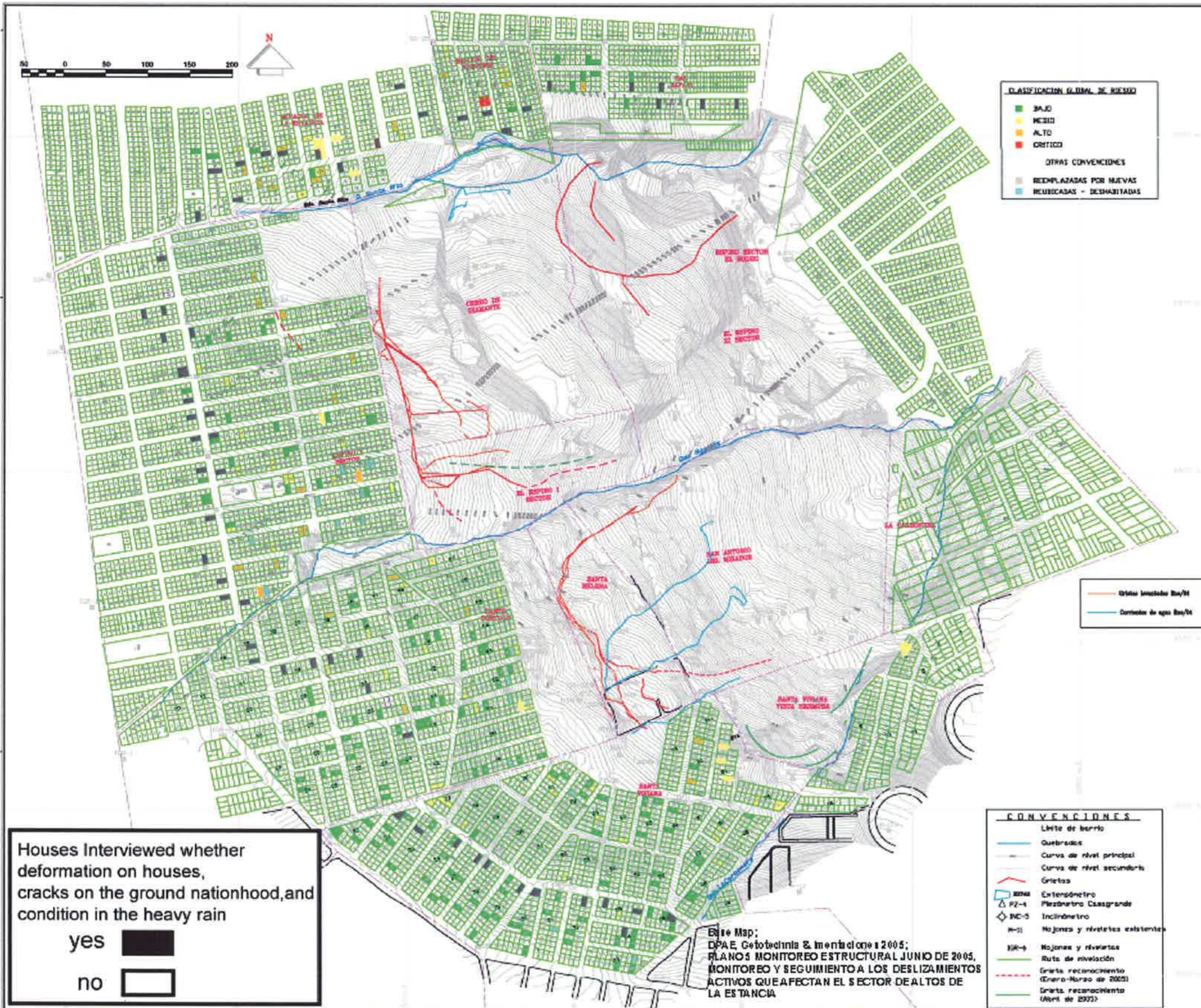


B-1 COMPILATION OF FIGURES ON ALTOS DE LA ESTANCIA



- CLASIFICACION GLOBAL DE RIESGO**
- BAJO
 - MEDIO
 - ALTO
 - CRITICO
- OTRAS CONVENCIONES**
- REEMPLAZADAS POR NUEVAS
 - REUBICADAS - DESHABILITADAS

- Ortorelief
- Contorno de agua

- CONVENCIONES**
- Limite de barrio
 - Quebradas
 - Curvas de nivel principal
 - Curvas de nivel secundario
 - Grietas
 - Extensiómetro
 - PZ-4 Piezometro Casagrande
 - INC-5 Inclinometro
 - M-1 Mojones y niveladas existentes
 - M-2 Mojones y niveladas
 - Ruta de inspección
 - Grieta reconocimiento (Enero-Marzo de 2005)
 - Grieta reconocimiento (Abril de 2005)

Houses Interviewed whether deformation on houses, cracks on the ground nationhood, and condition in the heavy rain

yes

no

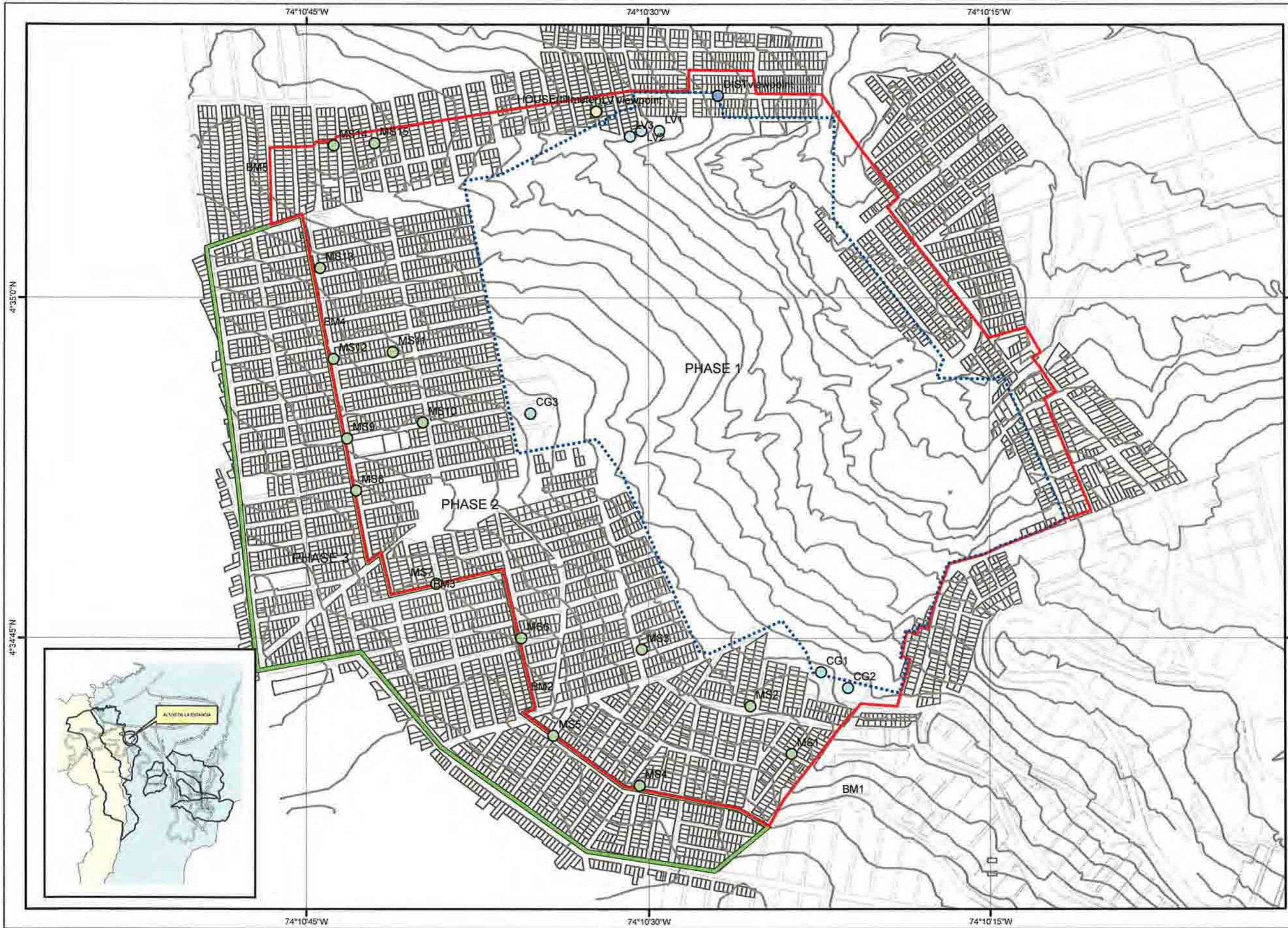
Este Map; DPAA, Geotecnias & Inclinaciones 2005; PLANOS MONITOREO ESTRUCTURAL JUNIO DE 2005, MONITOREO Y SEGUIMIENTO A LOS DESLIZAMIENTOS ACTIVOS QUE AFECTAN EL SECTOR DE ALTOS DE LA ESTANCIA



Projection System Parameters

PCS_CartMAGBOG
 Projection: Transverse_Mercator
 False_Easting: 92334,879000
 False_Northing: 109320,965000
 Central_Meridian: -74,146592
 Scale_Factor: 1,000000
 Latitude_Of_Origin: 4,680486
 Linear Unit: Meter

GCS_CartMAGBOG
 Datum: CGS_CartMAGBOG



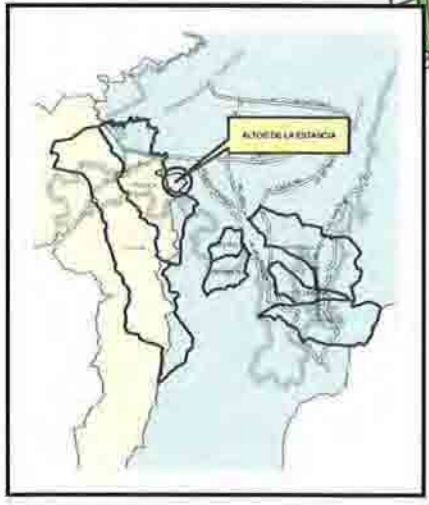
LEGEND

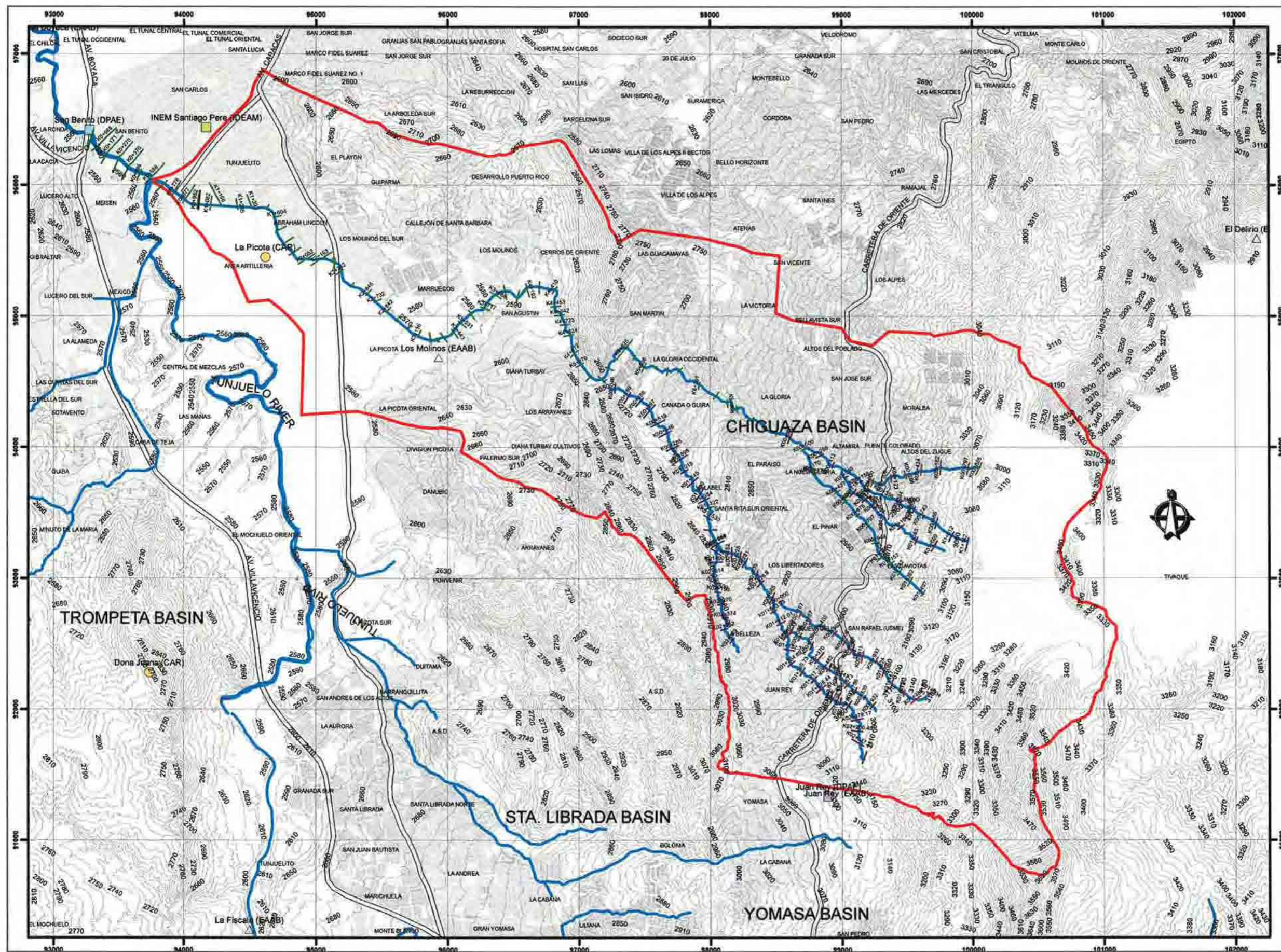
- CLASS**
- CRACK GAUGE
 - DIST VIEWPOINT
 - LV (BENCH MARK)
 - LV VIEWPOINT
 - MOVABLE STAKES
 - TILT METER
 - ⋯ PHASE I
 - ▭ PHASE II
 - ▭ PHASE III
 - CONTOUR LINES 10M

Projection System Parameters:
 PCS: CarMAGBOG
 Projection: Transverse_Mercator
 False_Easting: 92334,879000
 False_Northing: 109320,965000
 Central_Meridian: -74,146592
 Scale_Factor: 1,000000
 Latitude_Of_Origin: 4,680486
 Linear Unit: Meter
 GCS_CarMAGBOG
 Datum: CGS_CarMAGBOG

B-3 MONITORING PLAN BY JICA STUDY

STUDY ON MONITORING AND EARLY WARNING SYSTEM FOR LANDSLIDES AND FLOODS







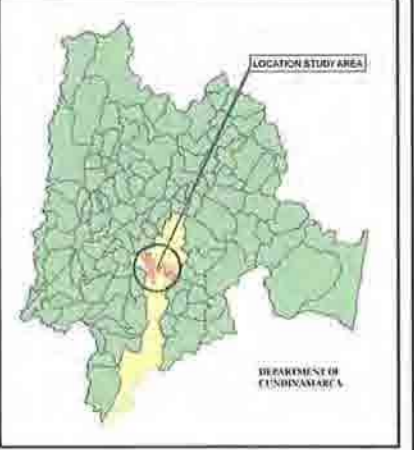
ALCALDIA MAYOR
DE BOGOTÁ D.C.
Secretaría de
Gobierno



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DE SOACHA

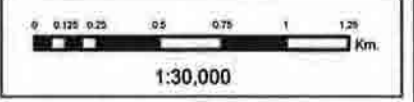


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LEGEND

- CAR Rainfall
- CAR WL/Discharge
- DPAE Rain/WL
- DPAE Rainfall
- ▲ EAAB Rainfall
- △ EAAB WL/Discharge
- IDEAM Rain/Clow
- DPAE Water Level
- LIMIT OF BASIN
- PROPERTIES
- HYDROGRAPHY
- CONTOUR LINES (10m)



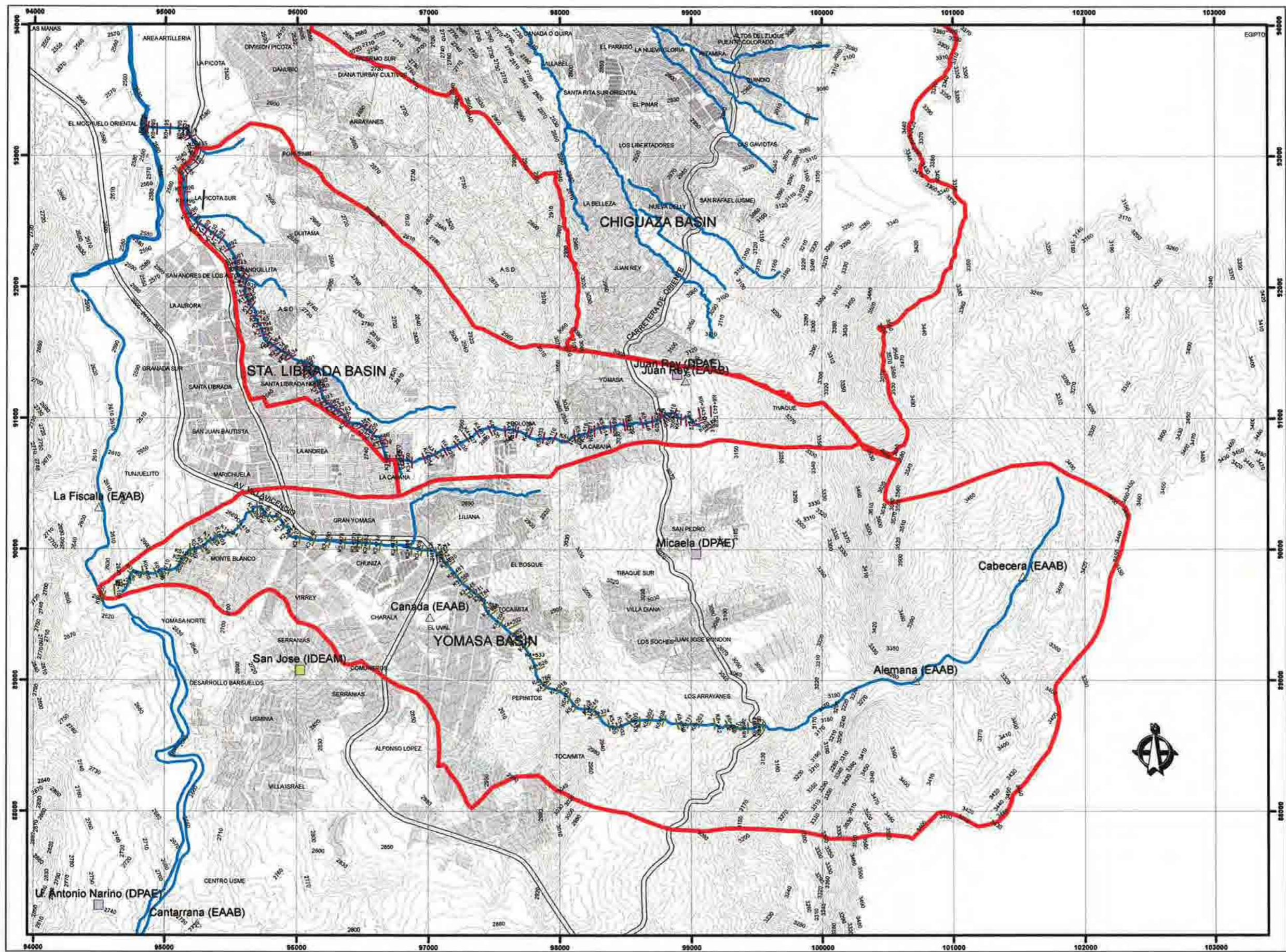
Projection System Parameters

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 False_Northing: 109320.995000
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 Scale_Factor: 1.000000
 Latitude_Of_Origin: 4.680488
 Linear Unit: Meter

GCS_CartMAGBOG
 Datum: CGS_CartMAGBOG

B-4 CATCHMENT OF CHIGUAZA CREEK

STUDY ON MONITORING AND EARLY WARNING
SYSTEM FOR LANDSLIDES AND FLOODS





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Secretaría de
Gobierno



ALCALDÍA MUNICIPAL
DE SOACHA

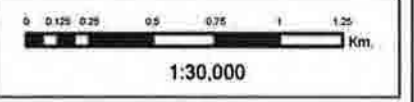


Japan International Cooperation Agency



LEYENDA

- SEC STA LIBRADA
- LIMITE OF BASIN
- STATION**
- CAR Rainfall
- CAR W/Discharge
- DPAE Rainfall
- DPAE Rainfall
- EAAB Rainfall
- ▲ EAAB W/Discharge
- IDEAM Rain/Climate
- DPAE Water Level
- HYDROGRAPHY
- PROPERTIES
- CONTOUR LINES (10m)



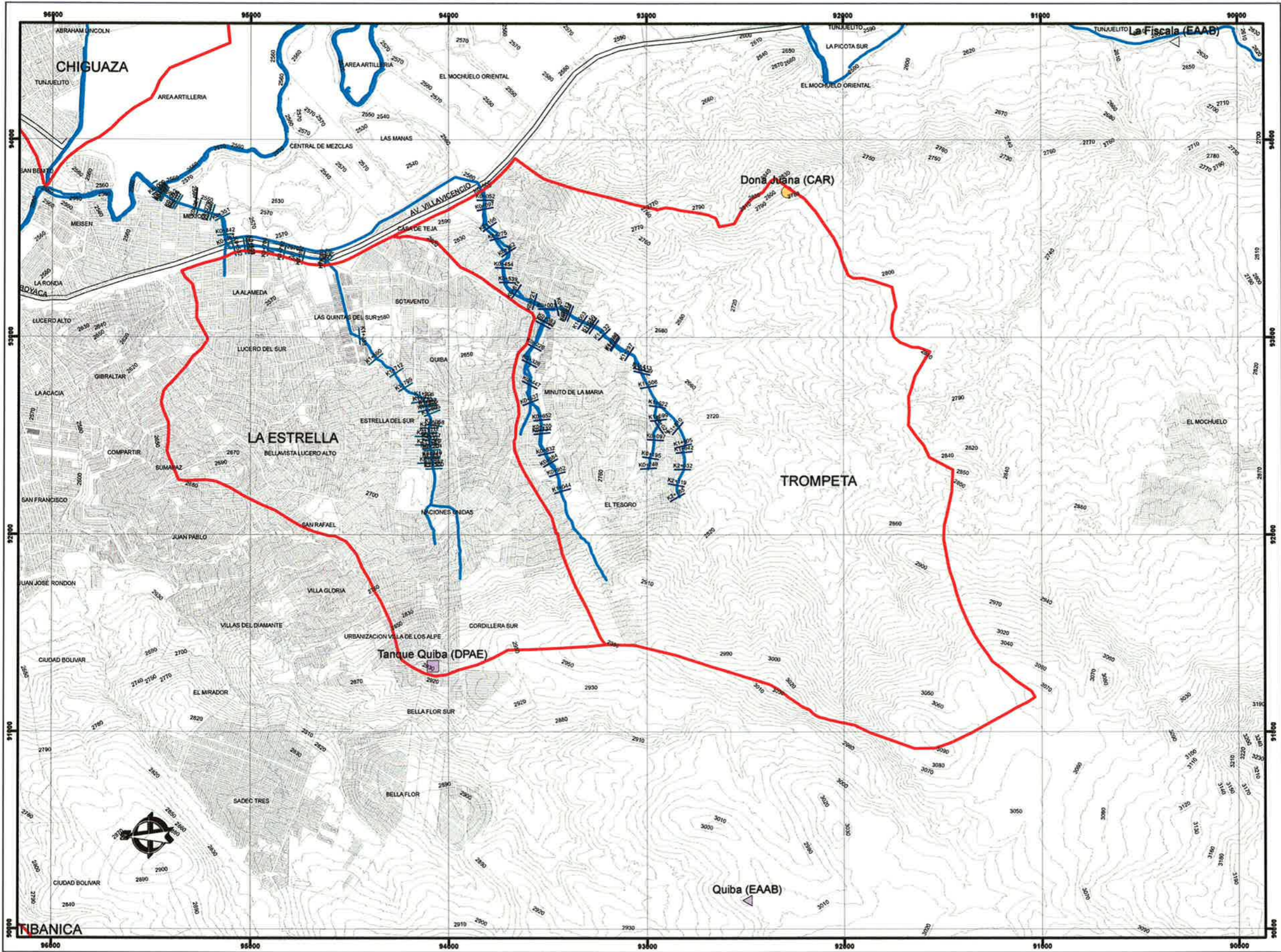
Projection System Parameters

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 Scale_Factor: 1,000000
 Latitude_Of_Origin: 4,680486
 Linear Unit: Meter

GCS_CarMAGBOG
 Datum: CGS_CarMAGBOG

**B-5 CATCHMENT OF SANTA LIBRADA
AND YOMASA CREEKS**

STUDY ON MONITORING AND EARLY WARNING
SYSTEM FOR LANDSLIDES AND FLOODS






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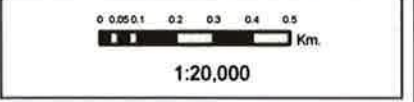


LEYENDA

-  LIMITE OF BASIN
-  HYDROGRAPHY
-  PROPERTIES
-  CONTOUR LINE (10m)

STATION

-  CAR Rainfall
-  CAR W/Discharge
-  DPAE Rain/WL
-  DPAE Rainfall
-  EAAB Rainfall
-  EAAB W/Discharge
-  IDEAM Rain/Clima
-  DPAE Water Level



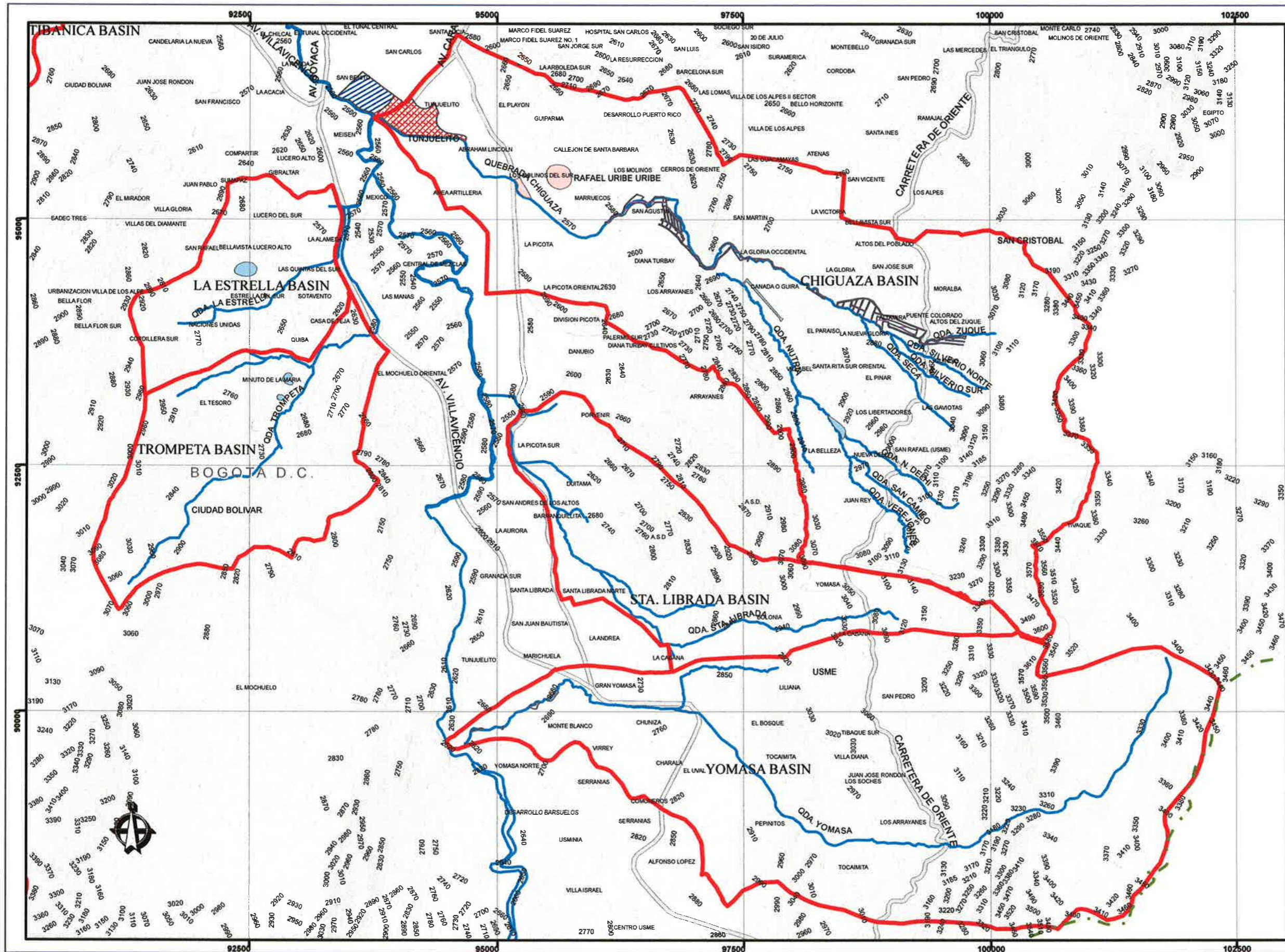
Projection System Parameters

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 Projection: Transverse_Mercator
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 False_Northing: 109320.965000
 Central_Meridian: -74.146592
 Scale_Factor: 1,000000
 Latitude_Of_Origin: 4,680486
 Linear Unit: Meter

GCS_CartMAGBOG
 Datum: CGS_CartMAGBOG

B-6 CATCHMENT OF LA ESTRELLA AND TROMPETA

STUDY ON MONITORING AND EARLY WARNING SYSTEM FOR LANDSLIDES AND FLOODS






LEGEND

FLOOD PER YEAR

YEAR

- 1978
- 1994
- 1997
- 2002
- 2006

 LIMIT OF STUDY AREA
 HIDROGRAPHY
 CONTOUR LINES 10M



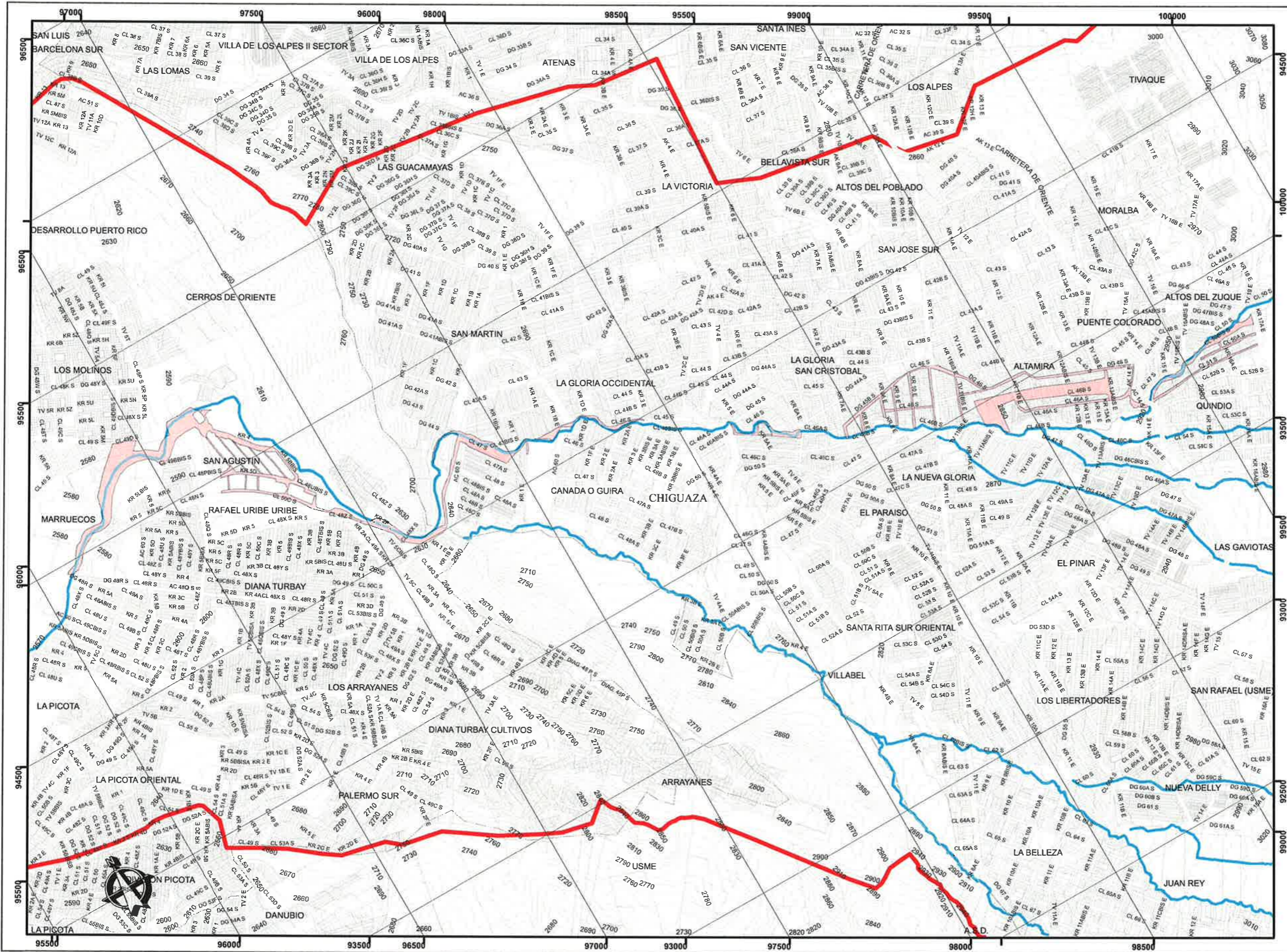
Projection System Parameters

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 Projection: Transverse Mercator
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 False_Northing: 109320.985000
 Central_Meridian: -74.146592
 Scale_Factor: 1.000000
 Latitude_Of_Origin: 4.680486
 Linear Unit: Meter

GCS_CartMAGBOG
 Datum: CGS_CartMAGBOG

B-7 RESULTS OF FLOOD INTERVIEW SURVEY

STUDY ON MONITORING AND EARLY WARNING SYSTEM FOR LANDSLIDES AND FLOODS




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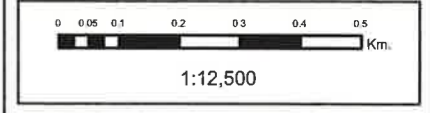

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Legenda

- BASIN LIMIT
- PROPERTIES
- LOCALITY LIMIT
- CONTOUR LINES 10M
- AFFECTED AREA 1994



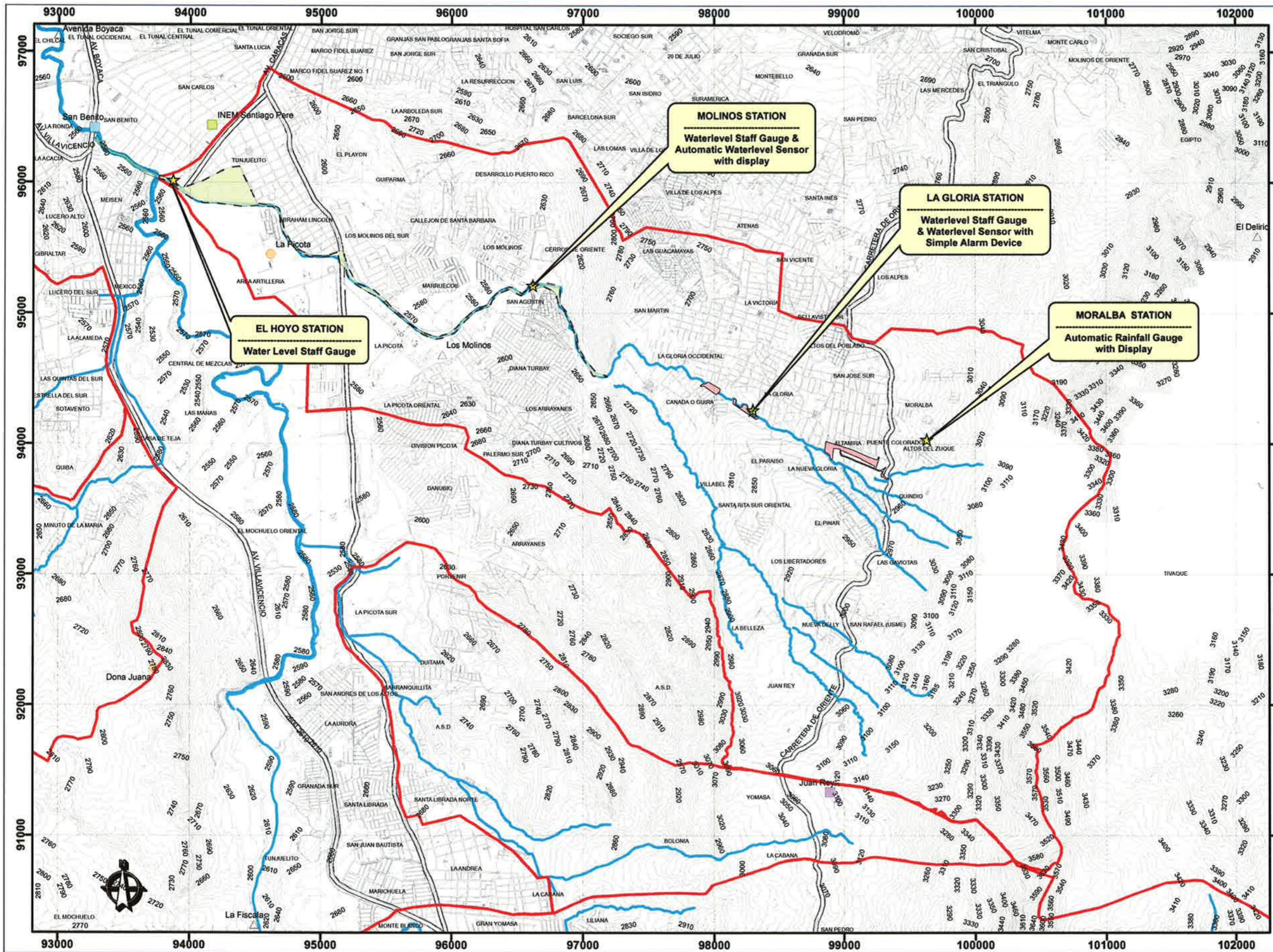
Projection System Parameters

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 Projection: Transverse_Mercator
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 False_Northing: 109320,965000
 Central_Meridian: -74,146592
 Scale_Factor: 1,000000
 Latitude_Of_Origin: 4,680486
 Linear Unit: Meter

GCS_CartMAGBOG
 Datum: CGS_CartMAGBOG

B-8 MAY 19, 1994 AFFECTED AREA

STUDY ON MONITORING AND EARLY WARNING SYSTEM FOR LANDSLIDES AND FLOODS

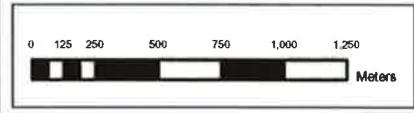


LEGEND

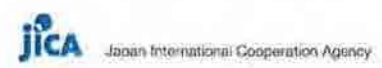
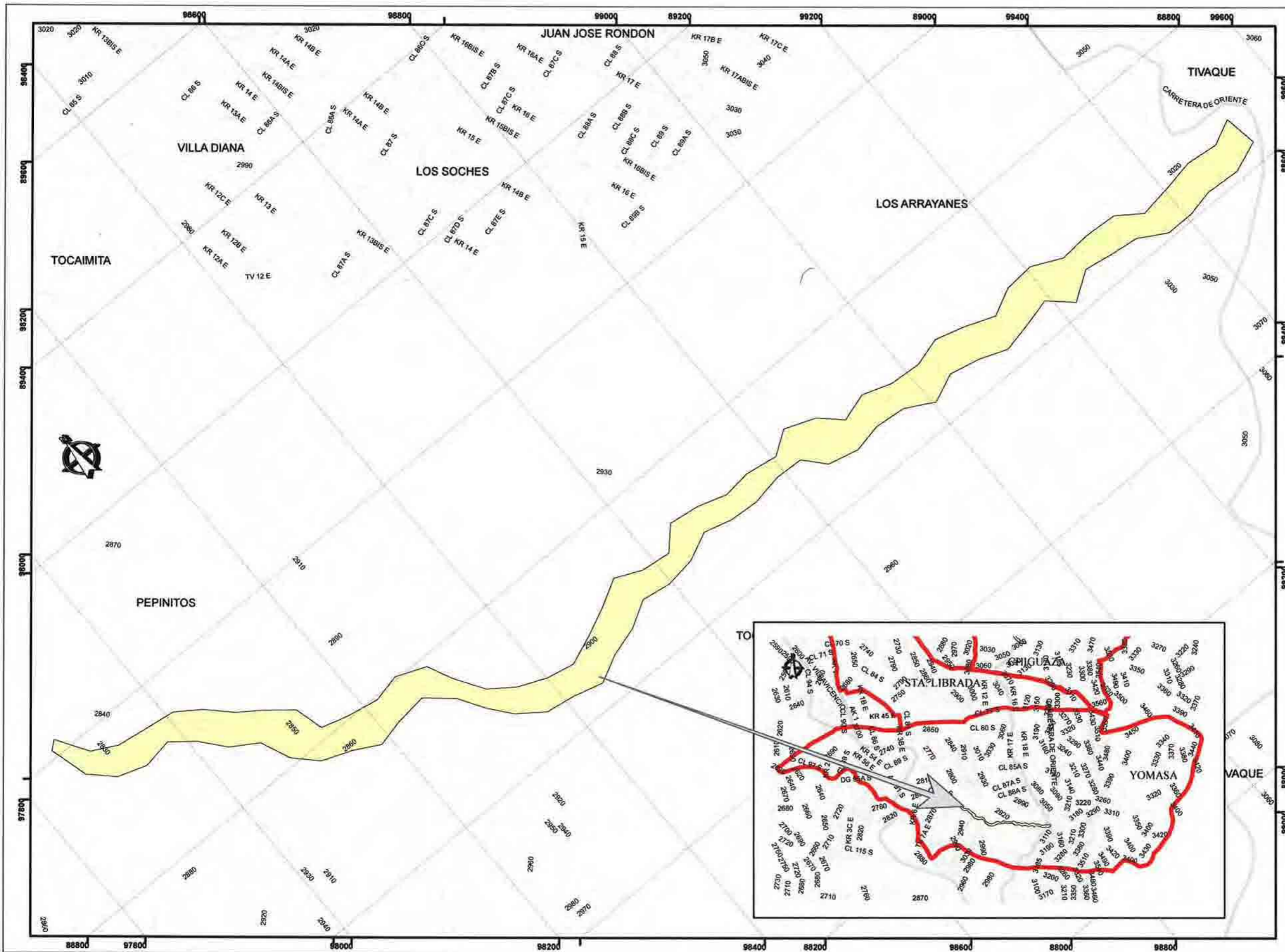
- AFFECTED AREA IF CLOG UP
- CHIGUAZA 25 YEARS
- BASIN STUDY AREA

STATIONS

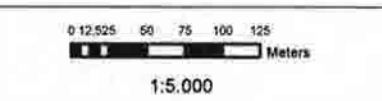
- CAR Rainfall
- CAR WL/Discharge
- DPAE Rain/WL
- DPAE Rainfall
- EAAB Rain/fall
- EAAB WL/Discharge
- IDEAM Rain/Clima
- DPAE Water Level
- HIDROGRAPHY
- CONTOUR LINES (10m.)



Projection System Parameters
 PCS_CarMAGBOG
 Projection: Transverse_Mercator
 False_Easting: 92334,679000
 False_Northing: 109320,965000
 Central_Meridian: -74,146592
 Scale_Factor: 1,000000
 Latitude_Of_Origin: 4,680486
 Linear Unit: Meter
 GCS_CarMAGBOG
 Datum: CGS_CarMAGBOG



- LEGEND**
- CONTOUR LINES 10M
 - PROPERTIES
 - YELLOW ZONE FOR DEBRIS FLOW



Parámetros de Sistema de Proyección

PCS_CartMAGBOG
 Projection: Transverse_Mercator
 False_Easting: 92334.679000
 False_Northing: 109320.965000
 Central_Meridian: -74.146592
 Scale_Factor: 1,000000
 Latitude_Of_Origin: 4,680496
 Linear Unit: Meter

GCS_CartMAGBOG
 Datum: CGS_CartMAGBOG

B-10 YELLOW ZONE FOR FLASH FLOOD IN YOMASA CREEK

STUDY ON MONITORING AND EARLY WARNING SYSTEM FOR LANDSLIDES AND FLOODS