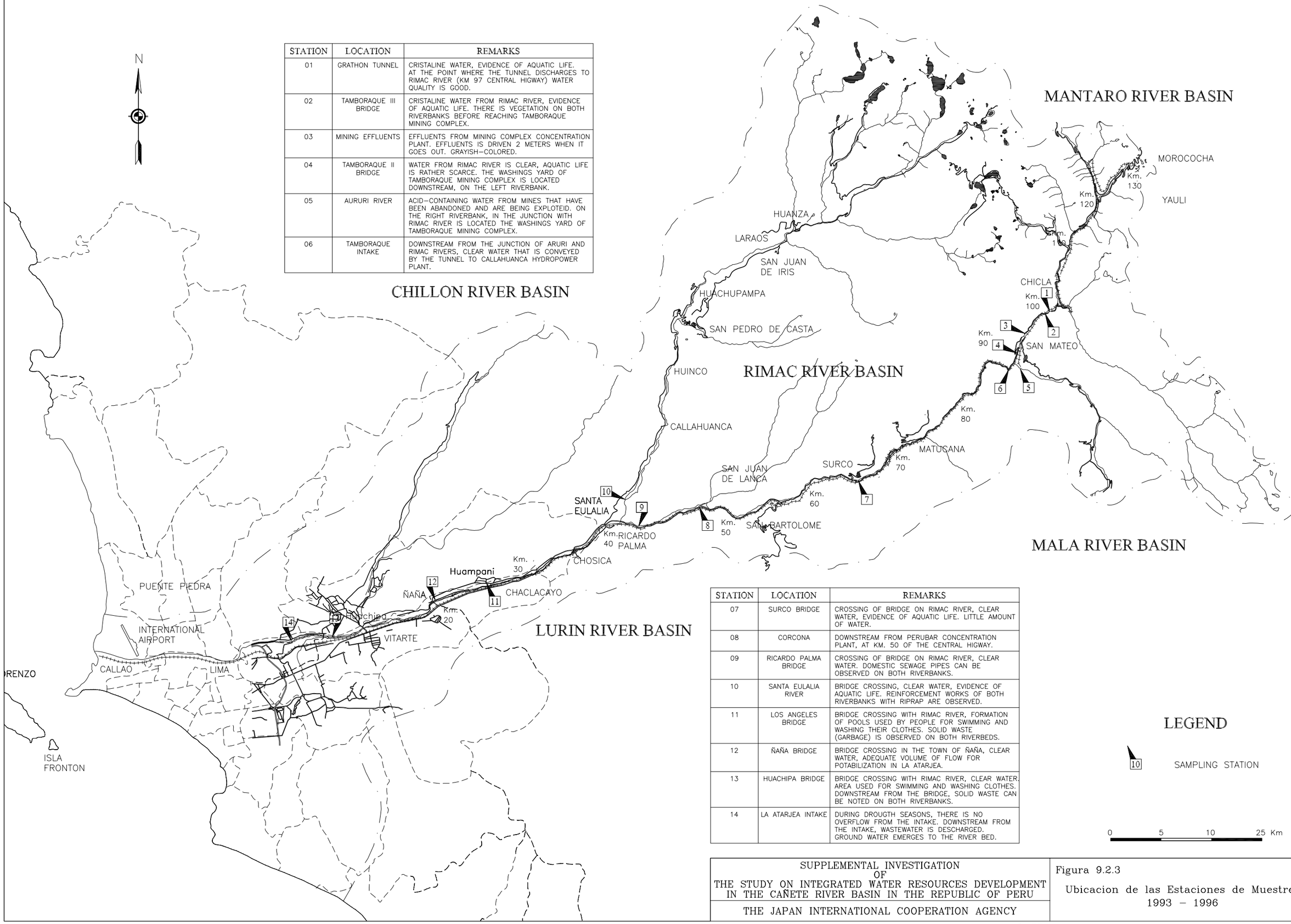
STATION	LOCATION	REMARKS
01	GRATHON TUNNEL	CRISTALINE WATER, EVIDENCE OF AQUATIC LIFE. AT THE POINT WHERE THE TUNNEL DISCHARGES TO RIMAC RIVER (KM 97 CENTRAL HIGWAY) WATER QUALITY IS GOOD.
02	TAMBORAQUE III BRIDGE	CRISTALINE WATER FROM RIMAC RIVER, EVIDENCE OF AQUATIC LIFE. THERE IS VEGETATION ON BOTH RIVERBANKS BEFORE REACHING TAMBORAQUE MINING COMPLEX.
03	MINING EFFLUENTS	EFFLUENTS FROM MINING COMPLEX CONCENTRATION PLANT. EFFLUENTS IS DRIVEN 2 METERS WHEN IT GOES OUT. GRAYISH-COLORED.
04	TAMBORAQUE II BRIDGE	WATER FROM RIMAC RIVER IS CLEAR, AQUATIC LIFE IS RATHER SCARCE. THE WASHINGS YARD OF TAMBORAQUE MINING COMPLEX IS LOCATED DOWNSTREAM, ON THE LEFT RIVERBANK.
05	AURURI RIVER	ACID-CONTAINING WATER FROM MINES THAT HAVE BEEN ABANDONED AND ARE BEING EXPLOTEID. ON THE RIGHT RIVERBANK, IN THE JUNCTION WITH RIMAC RIVER IS LOCATED THE WASHINGS YARD OF TAMBORAQUE MINING COMPLEX.
06	TAMBORAQUE INTAKE	DOWNSTREAM FROM THE JUNCTION OF ARURI AND RIMAC RIVERS, CLEAR WATER THAT IS CONVEYED BY THE TUNNEL TO CALLAHUANCA HYDROPOWER PLANT.



STATION	LOCATION	REMARKS
07	SURCO BRIDGE	CROSSING OF BRIDGE ON RIMAC RIVER, CLEAR WATER, EVIDENCE OF AQUATIC LIFE. LITTLE AMOUNT OF WATER.
08	CORCONA	DOWNSTREAM FROM PERUBAR CONCENTRATION PLANT, AT KM. 50 OF THE CENTRAL HIGWAY.
09	RICARDO PALMA BRIDGE	CROSSING OF BRIDGE ON RIMAC RIVER, CLEAR WATER. DOMESTIC SEWAGE PIPES CAN BE OBSERVED ON BOTH RIVERBANKS.
10	SANTA EULALIA RIVER	BRIDGE CROSSING, CLEAR WATER, EVIDENCE OF AQUATIC LIFE. REINFORCEMENT WORKS OF BOTH RIVERBANKS WITH RIPRAP ARE OBSERVED.
11	LOS ANGELES BRIDGE	BRIDGE CROSSING WITH RIMAC RIVER, FORMATION OF POOLS USED BY PEOPLE FOR SWIMMING AND WASHING THEIR CLOTHES. SOLID WASTE (GARBAGE) IS OBSERVED ON BOTH RIVERBEDS.
12	ÑAÑA BRIDGE	BRIDGE CROSSING IN THE TOWN OF ÑAÑA, CLEAR WATER, ADEQUATE VOLUME OF FLOW FOR POTABILIZATION IN LA ATARJEA.
13	HUACHIPA BRIDGE	BRIDGE CROSSING WITH RIMAC RIVER, CLEAR WATER. AREA USED FOR SWIMMING AND WASHING CLOTHES. DOWNSTREAM FROM THE BRIDGE, SOLID WASTE CAN BE NOTED ON BOTH RIVERBANKS.
14	LA ATARJEA INTAKE	DURING DROUGTH SEASONS, THERE IS NO OVERFLOW FROM THE INTAKE. DOWNSTREAM FROM THE INTAKE, WASTEWATER IS DESCHARGED. GROUND WATER EMERGES TO THE RIVER BED.

LEGEND

10 SAMPLING STATION

0 5 10 25 Km

SUPPLEMENTAL INVESTIGATION
OF
THE STUDY ON INTEGRATED WATER RESOURCES DEVELOPMENT IN THE CAÑETE RIVER BASIN IN THE REPUBLIC OF PERU

THE JAPAN INTERNATIONAL COOPERATION AGENCY

Figura 9.2.3

Ubicacion de las Estaciones de Muestreo
1993 - 1996

STUDY ON INTEGRATED WATER RESOURCES DEVELOPMENT
IN
THE CAÑETE RIVER BASIN IN THE REPUBLIC OF PERU

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Figura 9.3.1
Curva de Duracion de Caudales del Rio Rimac
(Chosica, SENAMHI)
Promedio Mensual 1973 - 1997

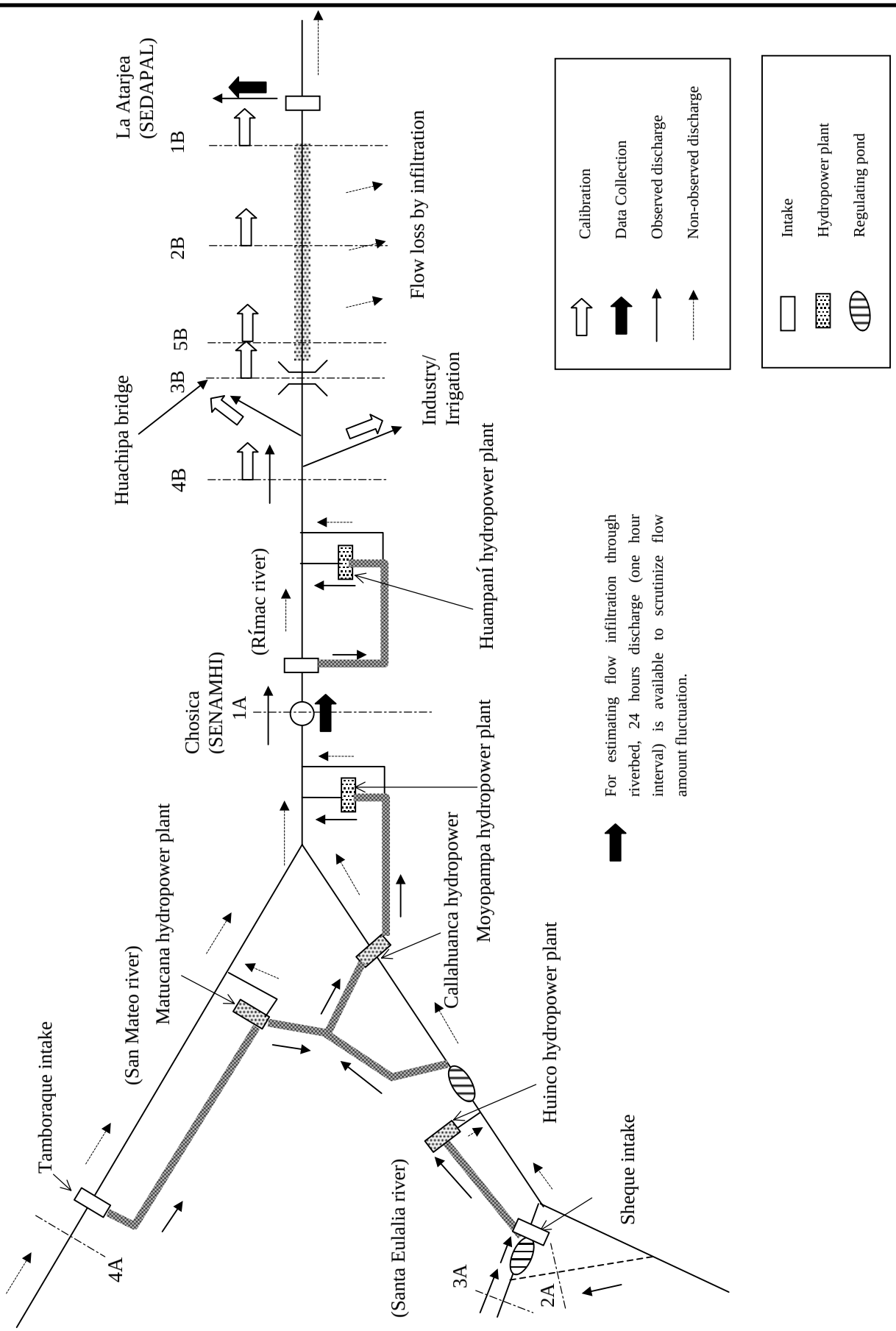

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Figura 9.3.2
Diagrama Esquemático de la Ruta de Conducción de Agua en la Cuenca del Río Rímac

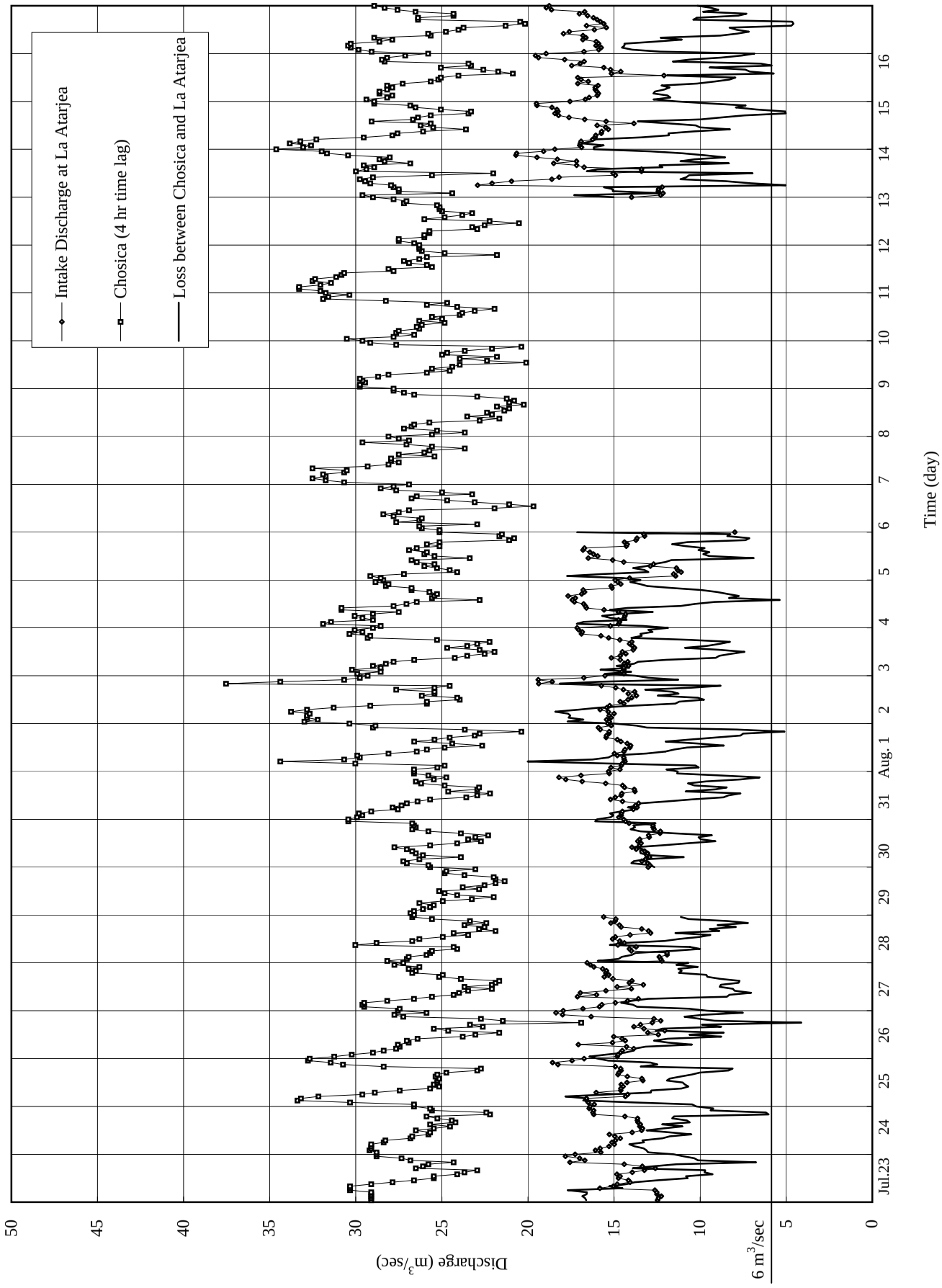

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Figura 9.3.3

Caudales en Chosica y La Atarjea (1/2)

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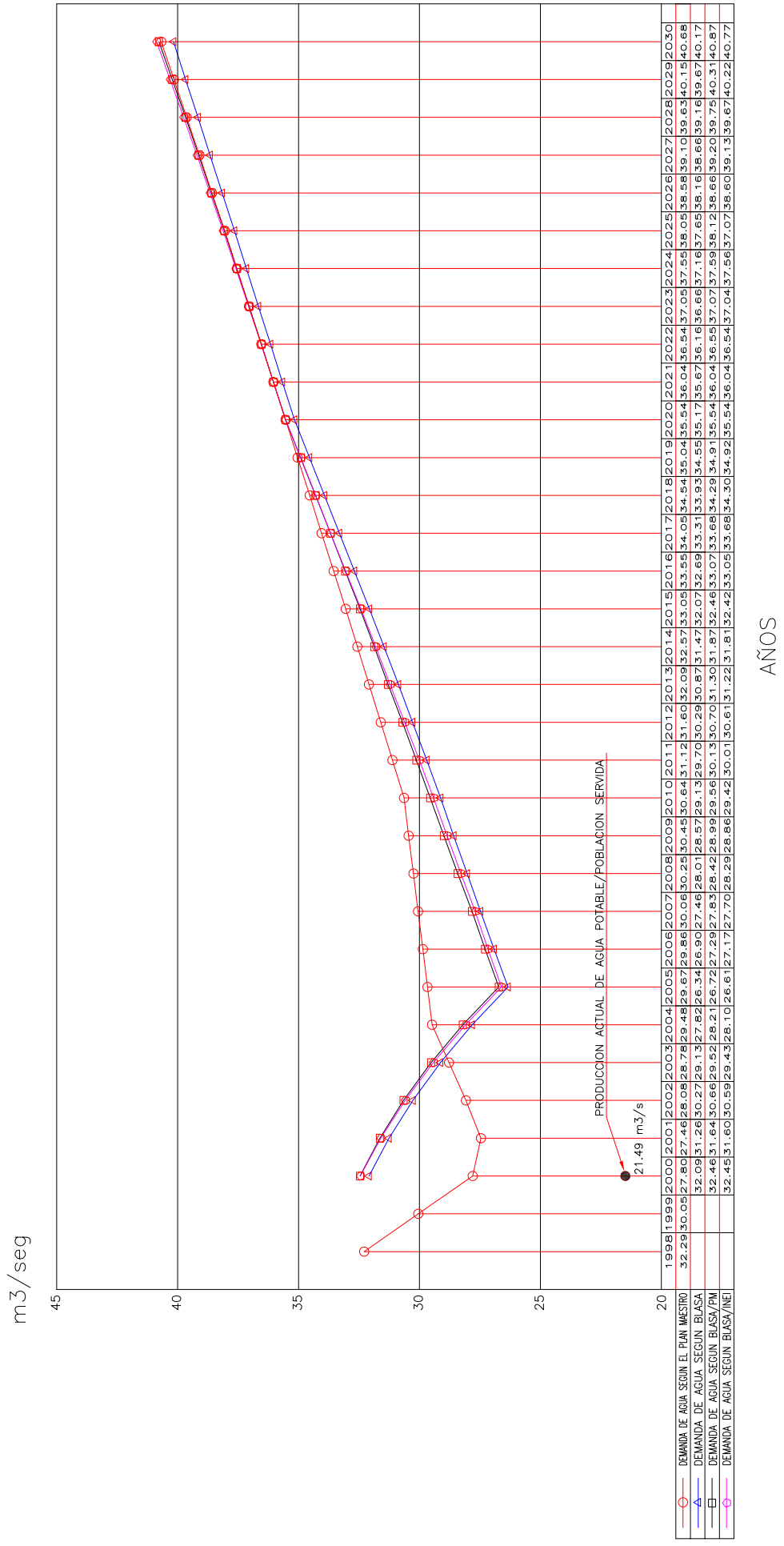
Figura 9.3.3
Caudales en Chosica y La Atarjea (2/2)

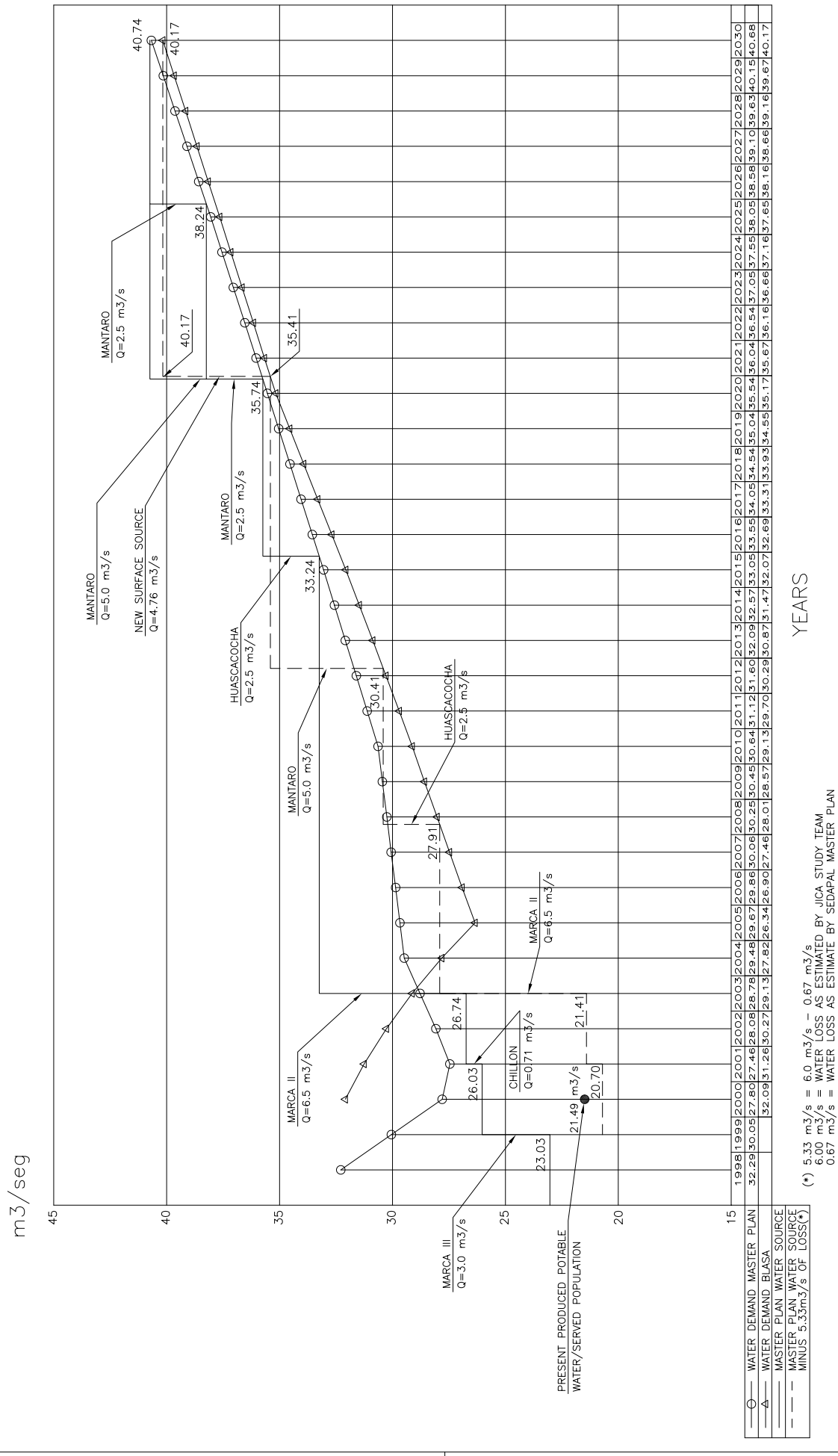


INVESTIGACION SUPLEMENTARIA
DEL
ESTUDIO DEL DESARROLLO INTEGRAL DE LOS RECURSOS HIDRICOS EN LA CUENCA DEL RIO CAÑETE EN LA REPUBLICA DEL PERU

AGENCIA DE COOPERACION INTERNACIONAL DEL JAPON

Figura 9.4.1

Demanda Promedio Diaria de Agua



STUDY ON INTEGRATED WATER RESOURCES DEVELOPMENT IN THE CAÑETE RIVER BASIN IN THE REPUBLIC OF PERU

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Figure 9.4.2

Reviewed Sedapal Proposed Expansion System