

IUPWARE Alumni Event 2018 – Cuenca, Ecuador

Irrigation in the Peruvian Andes

By: Mesías Burga Tarrillo

Cuenca, March 1, 2018

A Brief Presentation of some irrigation cases in the andes of Peru

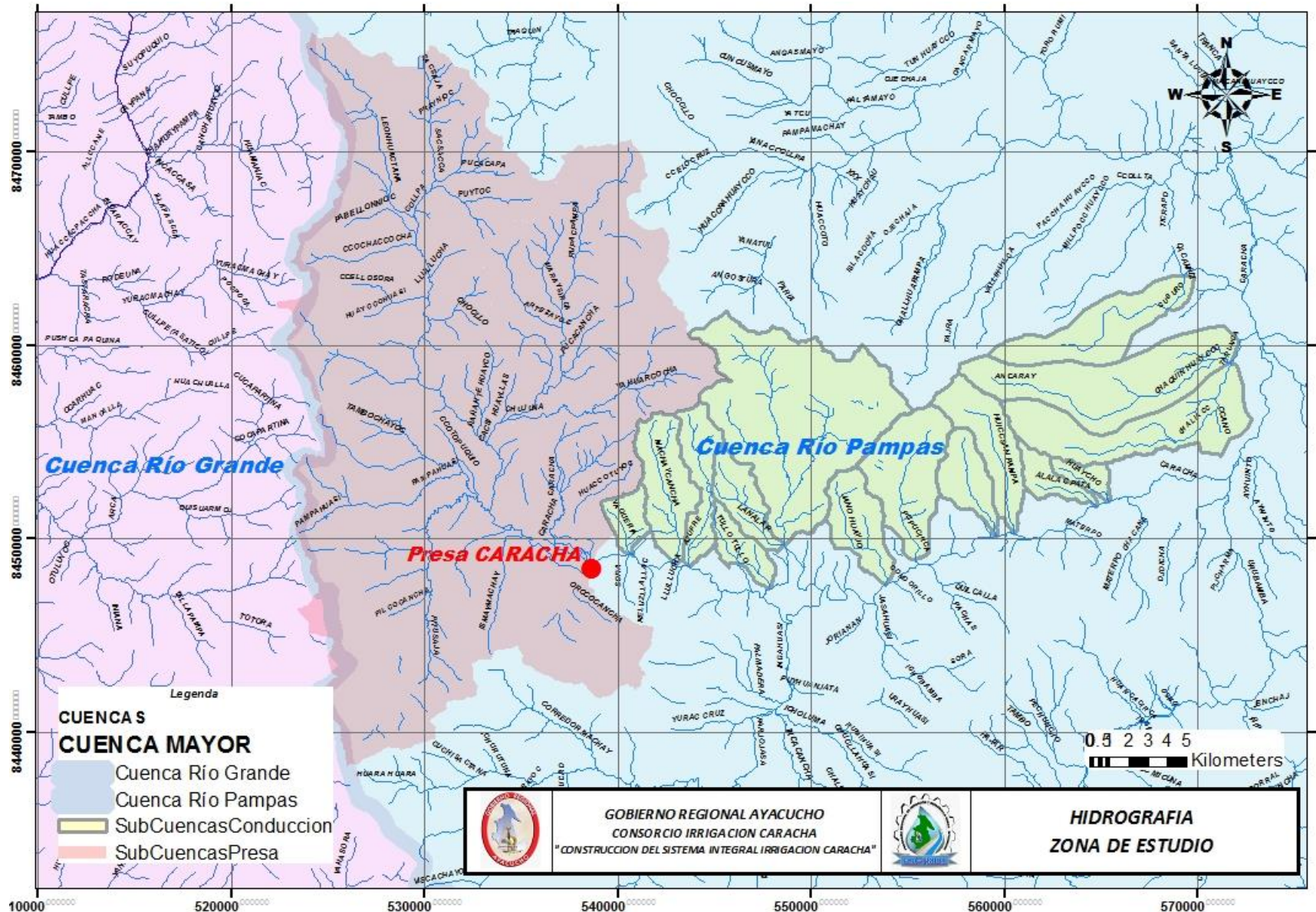
Irrigation water is vital to complement the seasonal climates which bring heavy rains during certain periods of the year, supplying crop deficits during dry spells within the rainy season

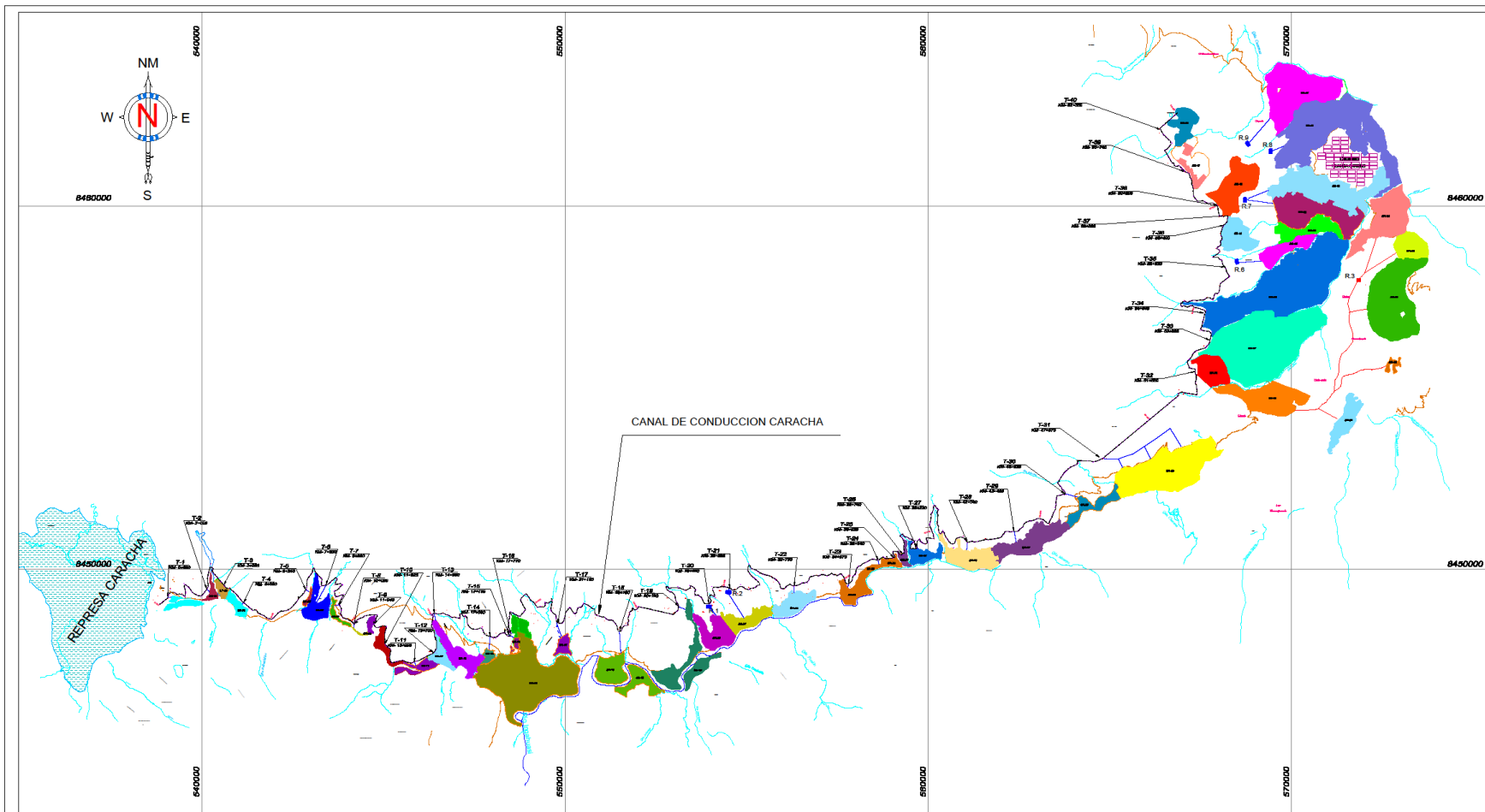
So, a dam is the first hydraulic structure in some irrigation projects, due to storage water during the rainy season, for its use during the dry season.

As part of the Integrated Watershed Management, to achieve a right location of a dam, the following considerations have to be taken into account.

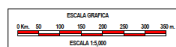
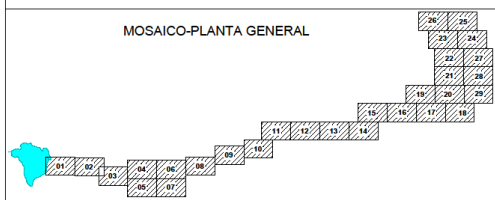
- Capacity of the natural vessel of a dam
- Hydrological offer
- Geological and geotechnical conditions of the nozzle for the dam
 - Erosion in the water basin
- Demand
 - Services to be provided

CASE: CARACHA IRRIGATION





MOSAICO-PLANTA GENERAL

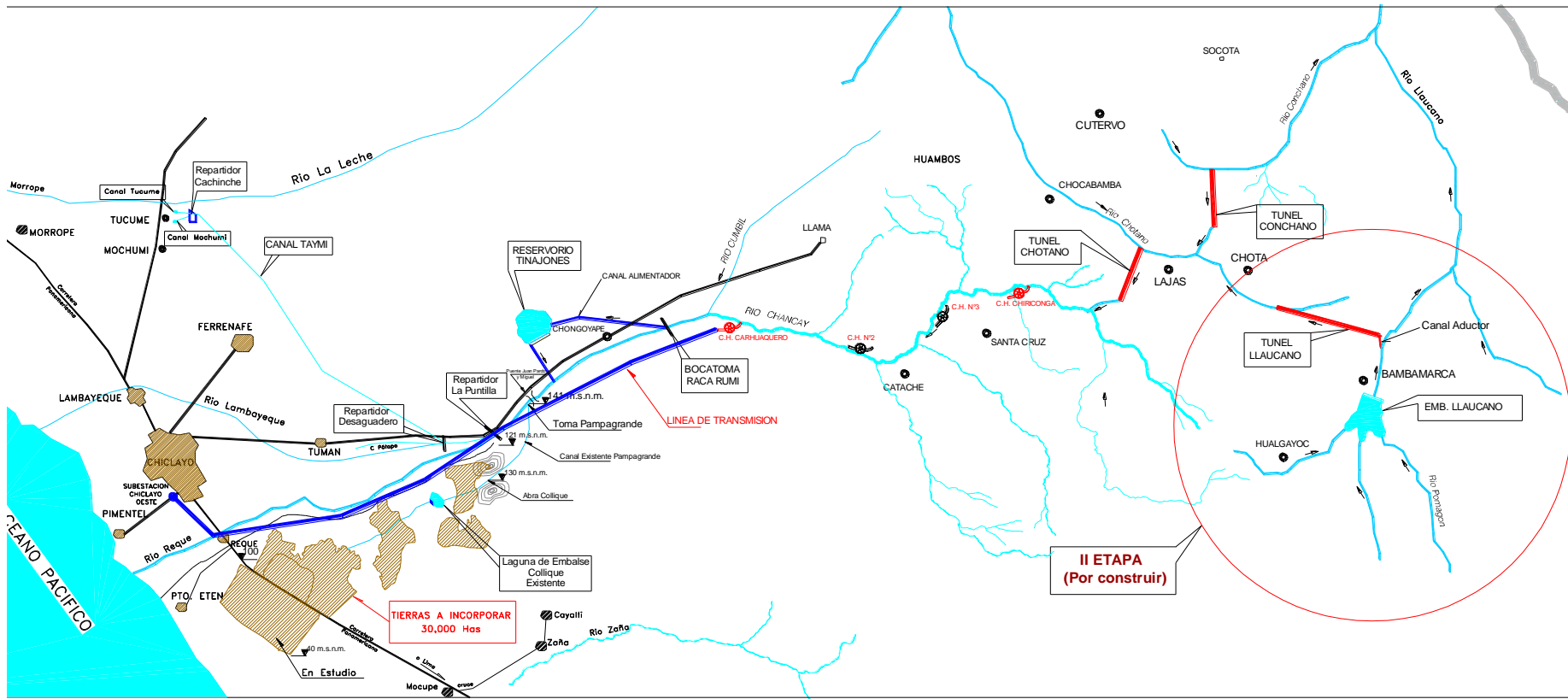


LEYENDA

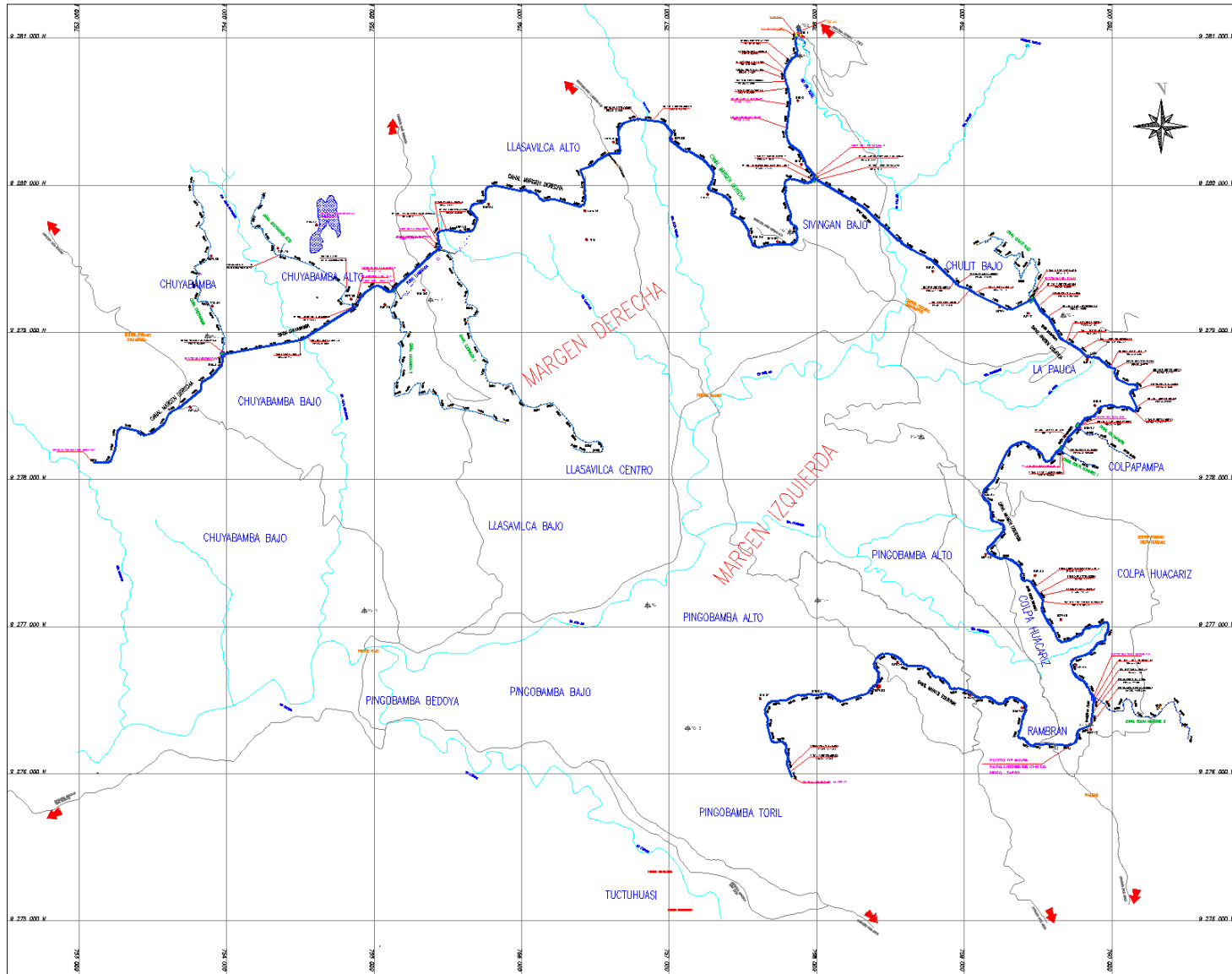
- SECTOR DE RIKO
- T-1 TOMA
- Q QUEBRADA
- R RIO CARACHA
- C CAMINO CARROZABLE
- R - RESERVOIR

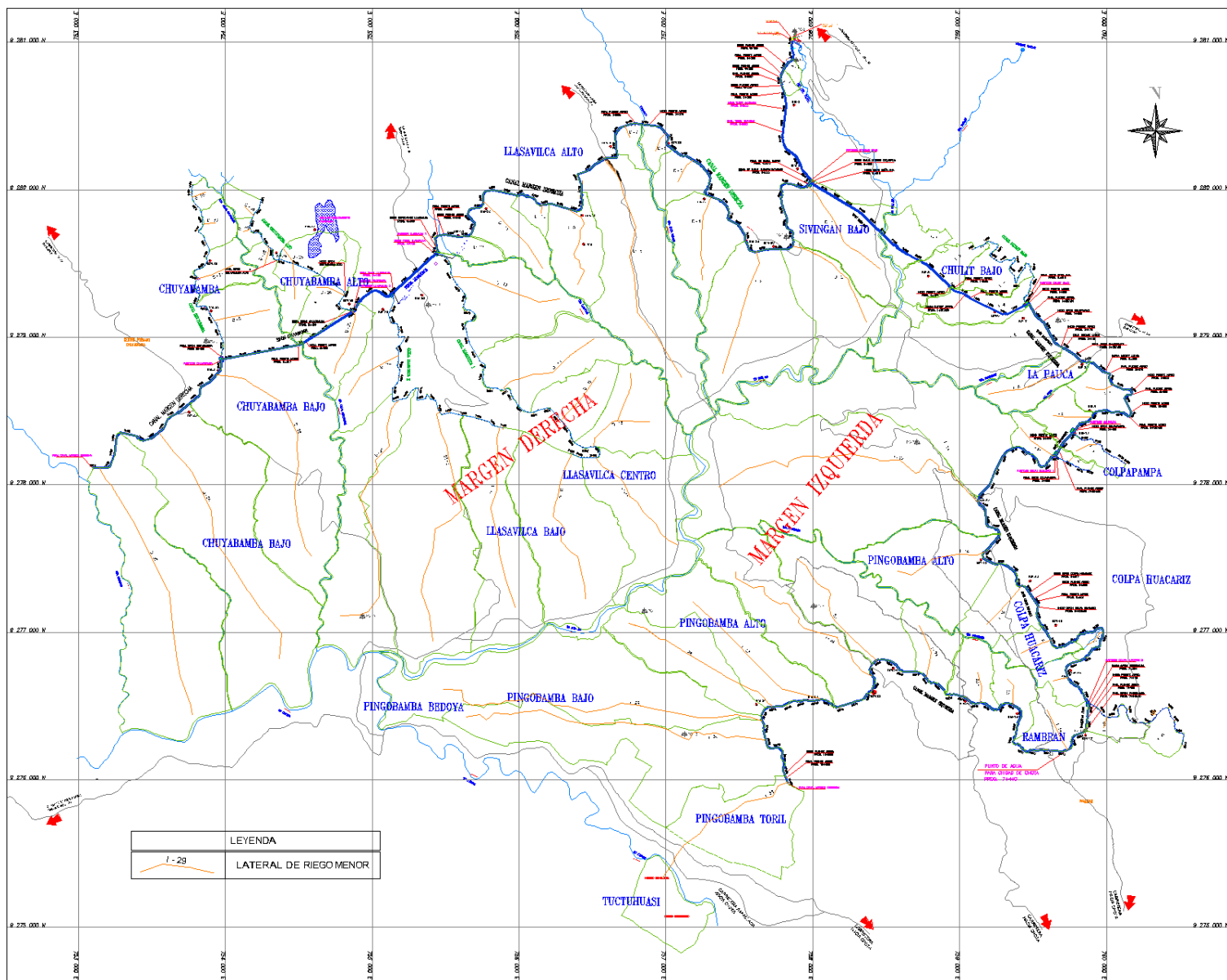
		GOBIERNO REGIONAL DE ATACAMA		
PROGRAMA NACIONAL DE REGADÍOS Y DESARROLLO RURAL, RIEGOS Y PESQUERÍA		CONSORCIO IRRIGACION CARACHA		
ELABORACION DE EXPEDIENTE TECNICO DEL PROYECTO: "CONSTRUCCION DEL SISTEMA INTEGRAL IRRIGACION CARACHA"		SECTORES DE RIEGO		
Fecha: 2018	Departamento: Ingenieria	Provincia: Huamachuco	Orden: 1	Latina: SR-1
Elaborado: J.C. Murillo	Diseño: Ing. A. Ledezma R.	Revisado: Ing. E. Kocaman M.	Supervisión: Ing. R. Rojas	

CASE: TINAJONES IRRIGATION

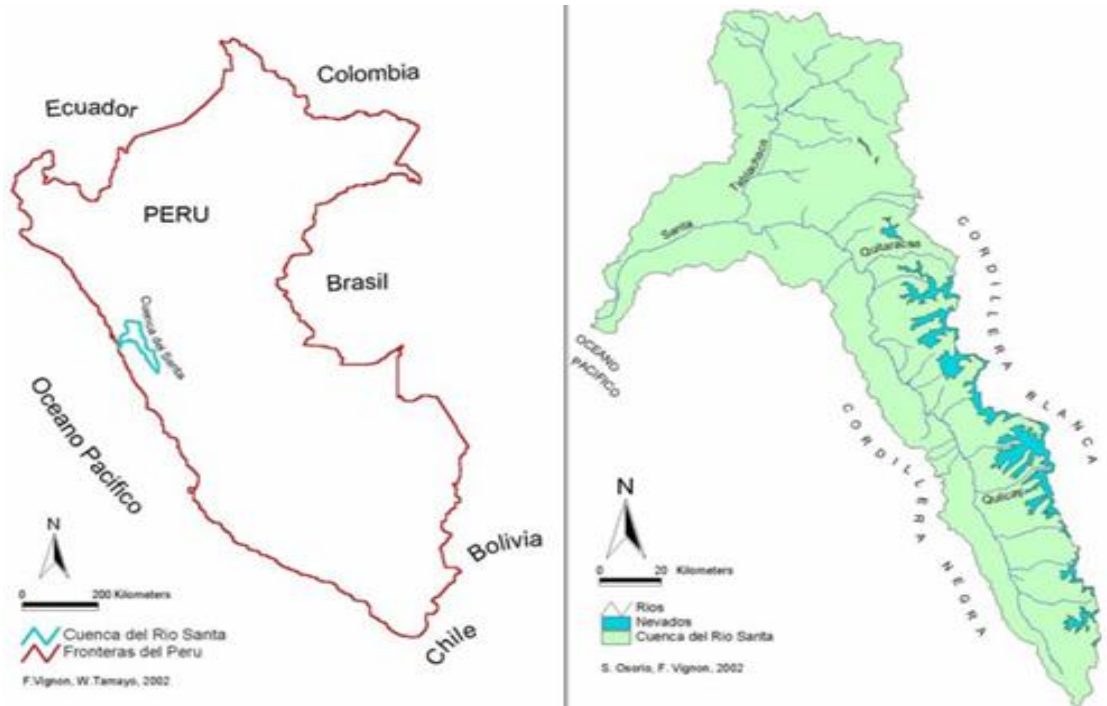


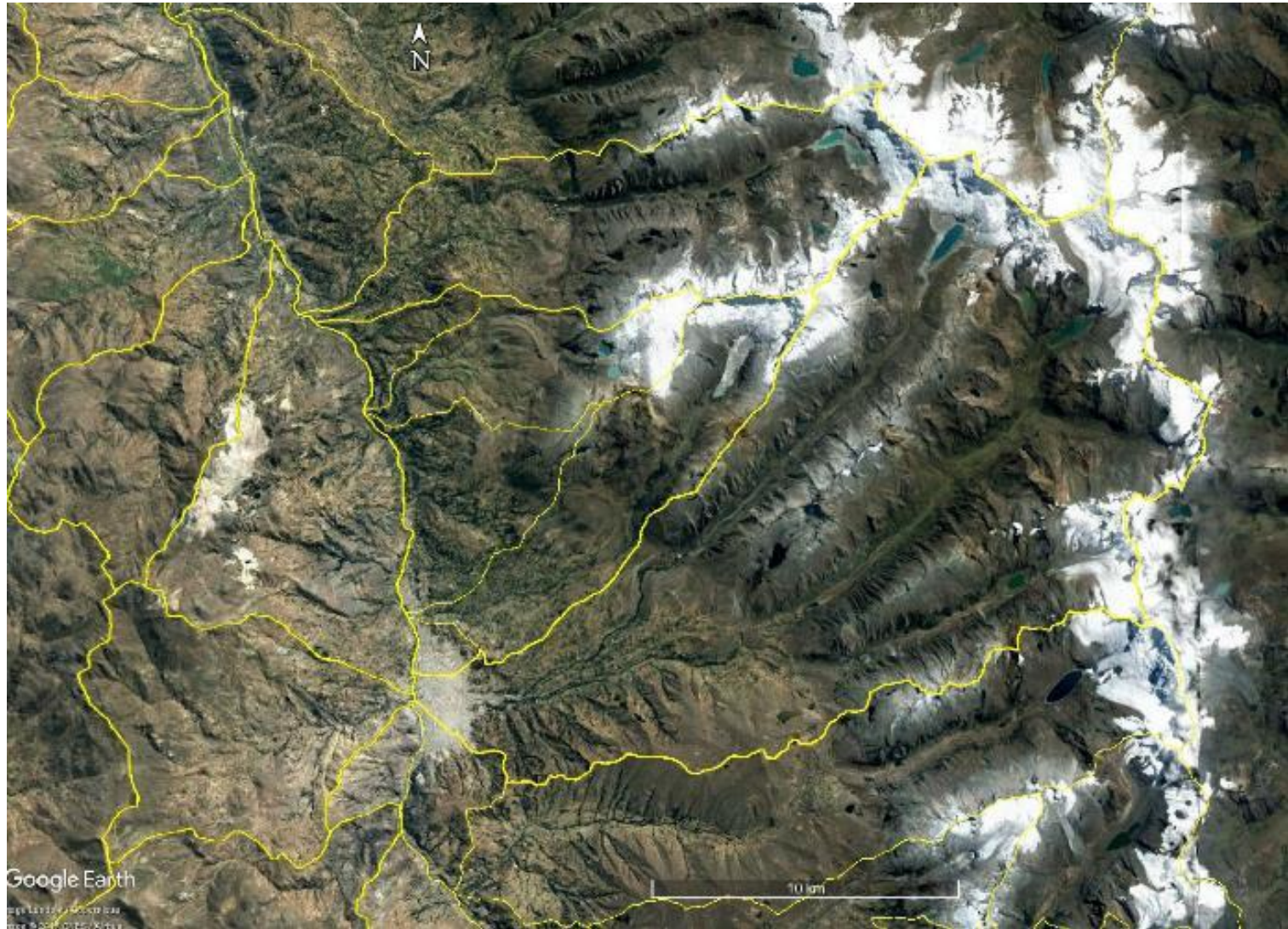
CASE: CHOTA IRRIGATION





CASE: CORDILLERA NEGRA IRRIGATION





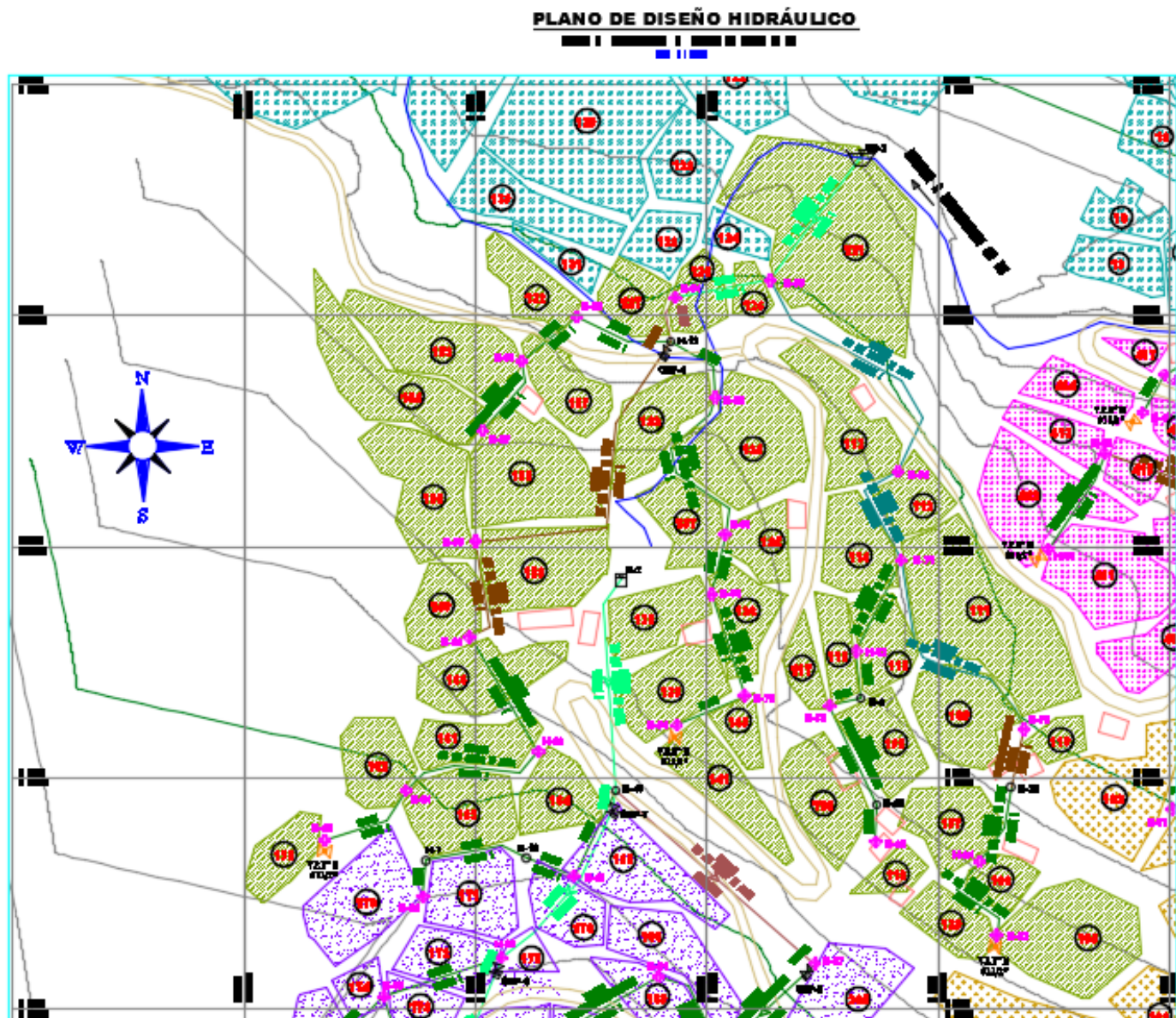
Cordillera Blanca: Snowy mountains

CASE: COSME IRRIGATION





CASE: HUANCARAY IRRIGATION





GRACIAS

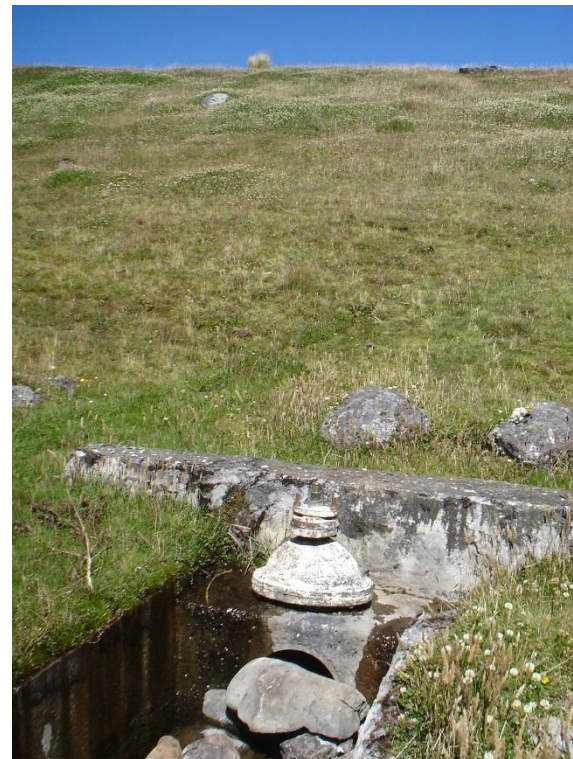




Represa Segundo Tinajones reconstruida
por SINAMOS los años 1970 y 1971

En buenas condiciones
Julio 2007

Localidad: Moran Lirio
Distrito: Hualgayoc
Provincia: Hualgayoc
Región: Cajamarca



ÁREAS IRRIGADAS: SITUACIÓN ACTUAL



PROYECCION DEL EMBALSE CHONTA

