

**Legend**

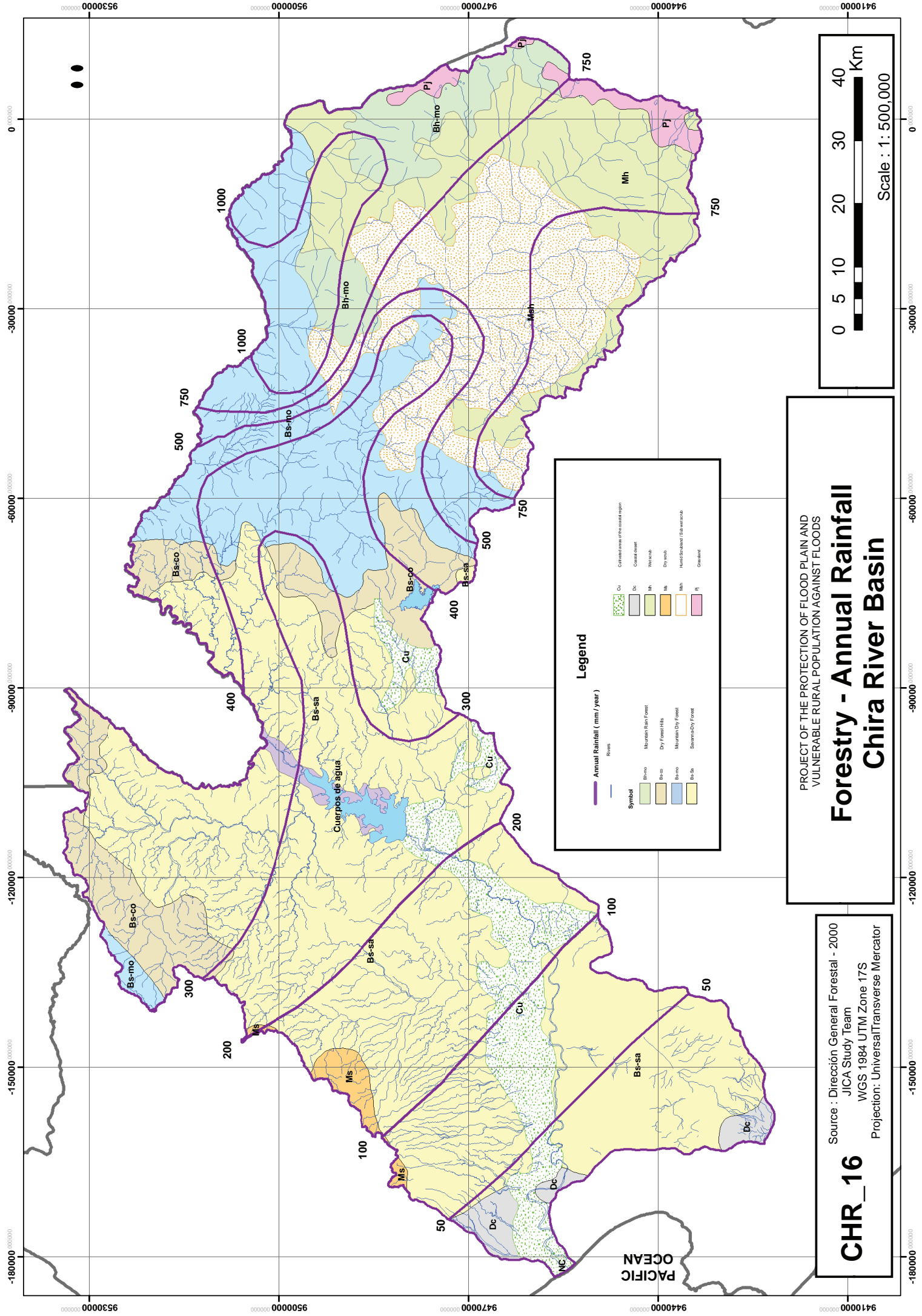
- Basin Limit
- Annual Rainfall ( mm / year )

PROJECT OF THE PROTECTION OF FLOOD PLAIN AND  
VULNERABLE RURAL POPULATION AGAINST FLOODS

## Annual Rainfall - Chira River Basin

**CHR\_15** Source: SENAMHI 65-74  
WGS 1984 UTM Zone 17S  
Projection: Universal Transverse Mercator

Scale : 1 : 500,000



PROJECT OF THE PROTECTION OF FLOOD PLAIN AND  
VULNERABLE RURAL POPULATION AGAINST FLOODS

# Forestry - Annual Rainfall Chira River Basin

**CHR\_16**

Source : Dirección General Forestal - 2000  
JICA Study Team  
WGS 1984 UTM Zone 17S  
Projection: Universal Transverse Mercator

**Legend**

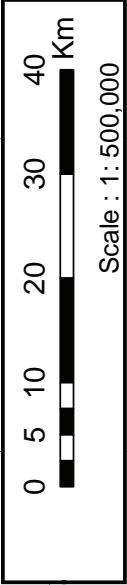
Annual Rainfall (mm/year)

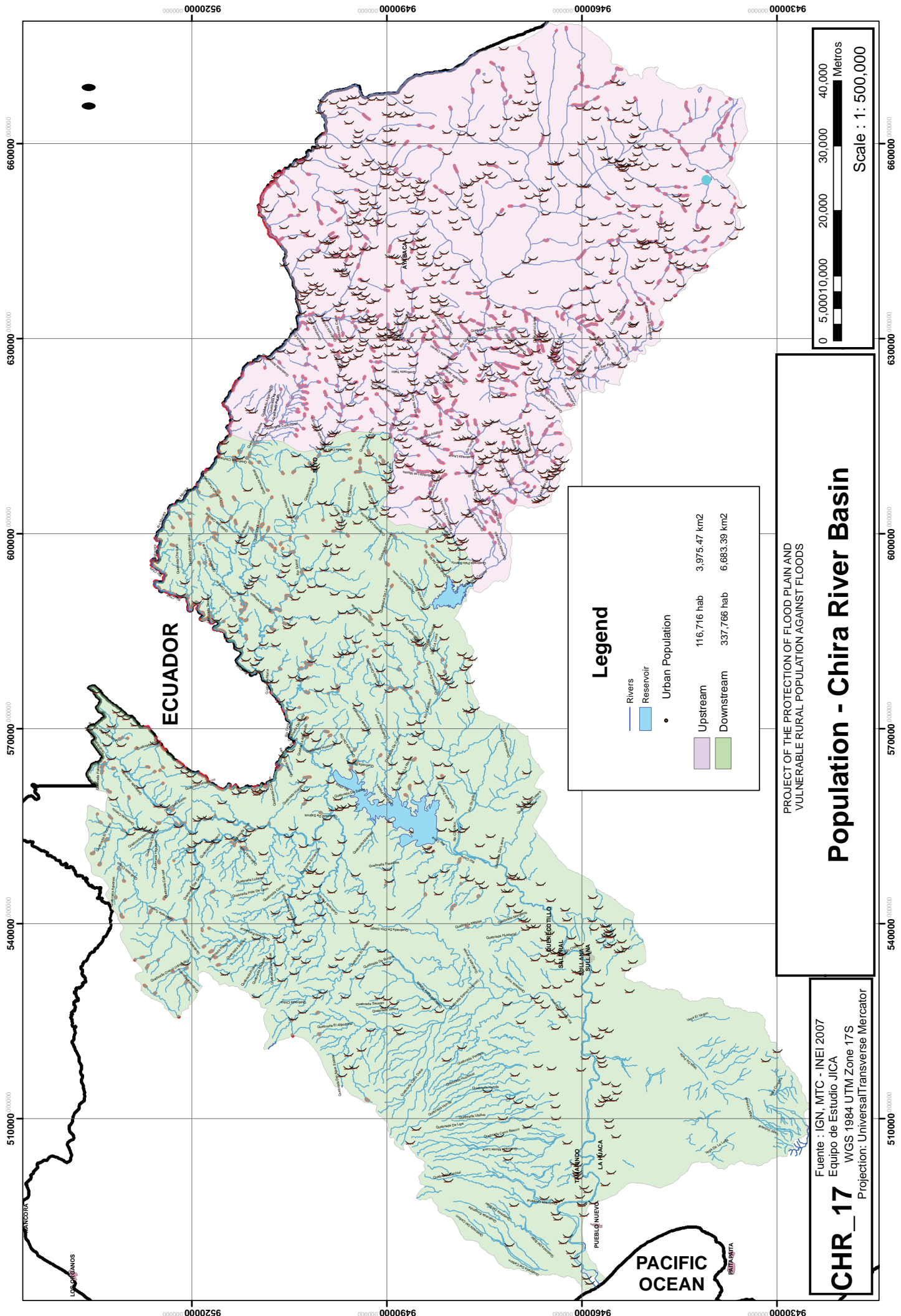
1000	750	500	400	300	200	100	50
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Rivers

Symbol

Green	Mountain Rain Forest	Cu	Coastal desert
Yellow	Dry Forest Hills	Dc	Wetlands
Blue	Mountain Dry Forest	Mh	Dry zone
Orange	Semiarid Dry Forest	Ms	Hard stabilized dunes
Grey		Mh	Coastal

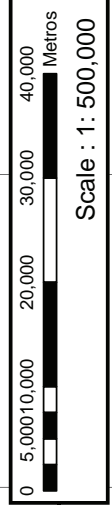




**ECUADOR**

**Legend**

- Rivers
  - Reservoir
  - Urban Population
- |  |            |             |                          |
|--|------------|-------------|--------------------------|
|  | Upstream   | 116,716 hab | 3,975.47 km <sup>2</sup> |
|  | Downstream | 337,766 hab | 6,683.39 km <sup>2</sup> |

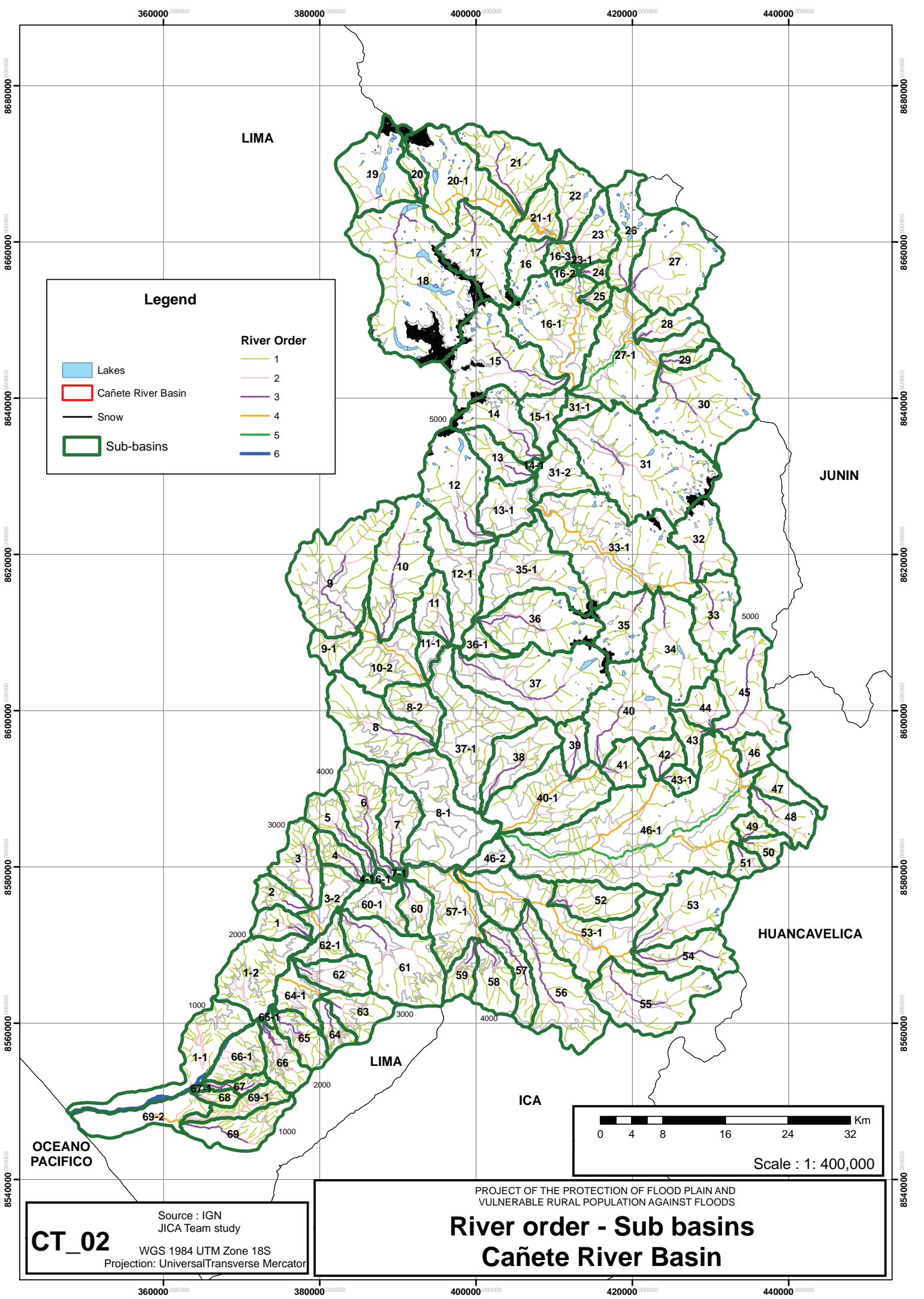


PROJECT OF THE PROTECTION OF FLOOD PLAIN AND  
VULNERABLE RURAL POPULATION AGAINST FLOODS











# Population - Chira River Basin

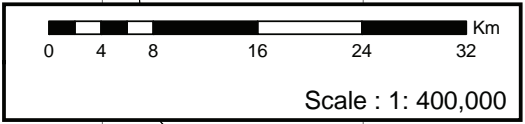
**CHR\_17**  
 Fuente : IGN, MTC - INEI 2007  
 Equipo de Estudio JICA  
 WGS 1984 UTM Zone 17S  
 Projection: Universal Transverse Mercator

**PACIFIC OCEAN**



**Legend**

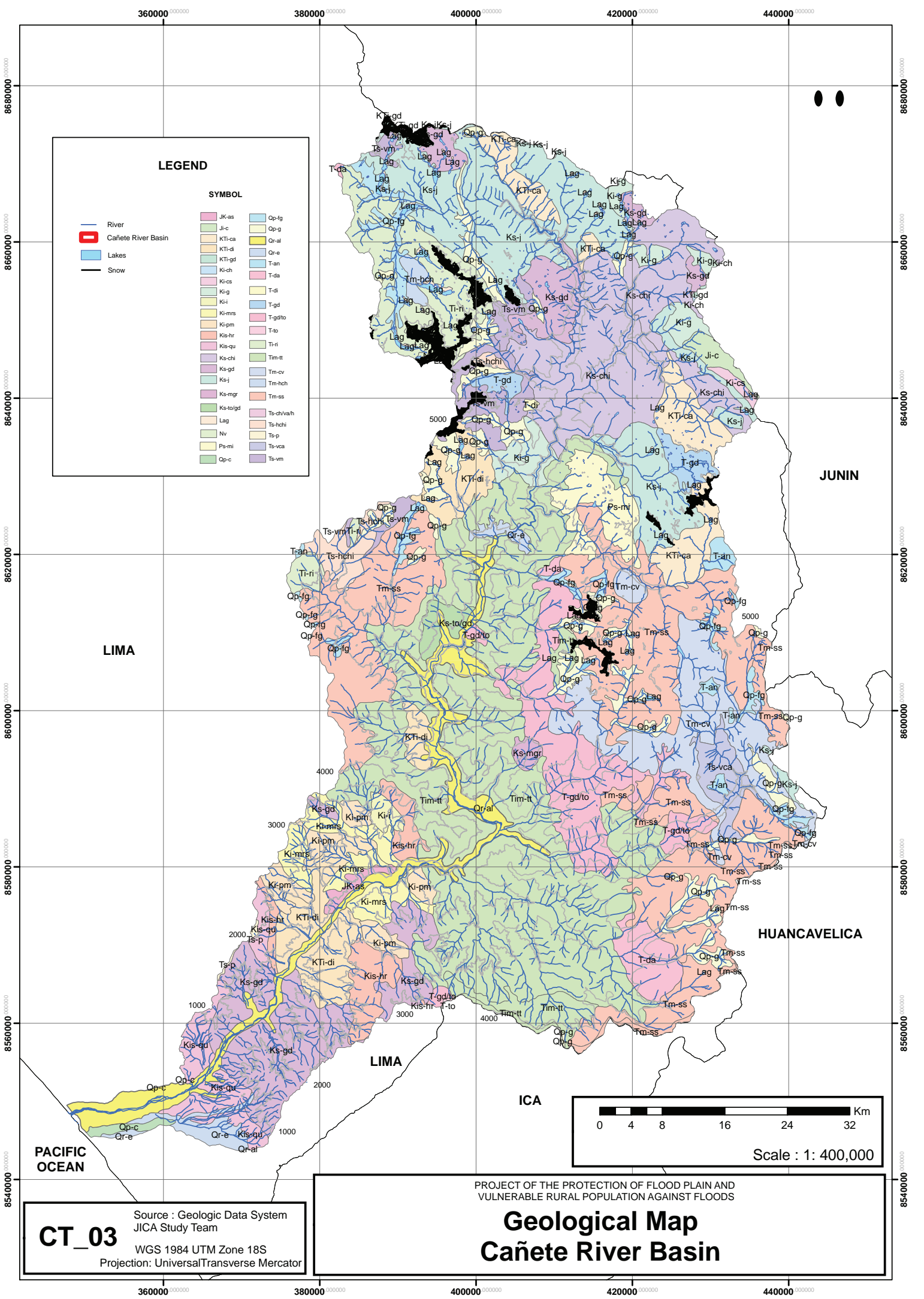
	Lakes		1
	Cañete River Basin		2
	Snow		3
	Sub-basins		4
			5
			6



CT\_02  
 Source : IGN  
 JICA Team study  
 WGS 1984 UTM Zone 18S  
 Projection: Universal Transverse Mercator

PROJECT OF THE PROTECTION OF FLOOD PLAIN AND  
 VULNERABLE RURAL POPULATION AGAINST FLOODS  
**River order - Sub basins**  
**Cañete River Basin**





**LEGEND**

**SYMBOL**

- River
  - Cañete River Basin
  - Lakes
  - Snow
- |          |            |
|----------|------------|
| JK-as    | Qp-fg      |
| Ji-c     | Qp-g       |
| KTI-ca   | Qr-al      |
| KTI-di   | Qr-e       |
| KTI-gd   | T-an       |
| Ki-ch    | T-da       |
| Ki-cs    | T-di       |
| Ki-g     | T-gd       |
| Ki-i     | T-gd/to    |
| Ki-mrs   | T-to       |
| Ki-pm    | Ti-ri      |
| Kis-hr   | Tim-tt     |
| Kis-qu   | Tm-cv      |
| Kis-chi  | Tm-hch     |
| Kis-gd   | Tm-ss      |
| Kis-j    | Ts-ch/va/h |
| Kis-mgr  | Ts-hchi    |
| Ks-to/gd | Ts-p       |
| Lag      | Ts-vca     |
| Lv       | Ts-vm      |
| Ps-mi    |            |
| Qp-c     |            |

LIMA

JUNIN

HUANCABELICA

ICA

LIMA

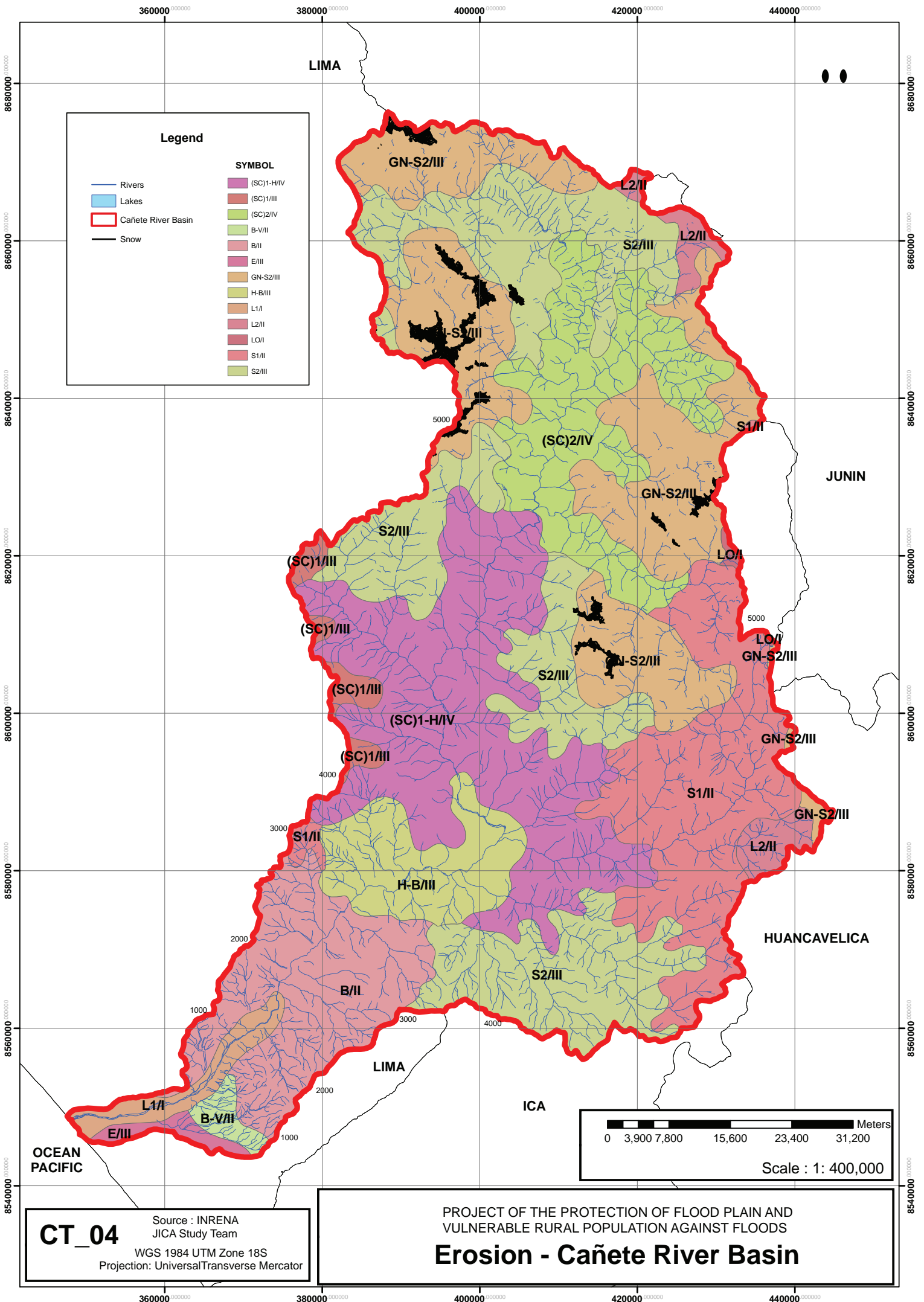


**CT\_03**

Source : Geologic Data System  
 JICA Study Team  
 WGS 1984 UTM Zone 18S  
 Projection: Universal Transverse Mercator

PROJECT OF THE PROTECTION OF FLOOD PLAIN AND  
 VULNERABLE RURAL POPULATION AGAINST FLOODS

**Geological Map  
 Cañete River Basin**

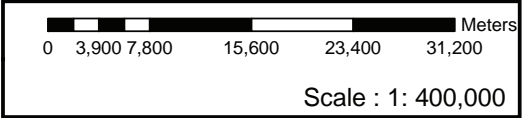


**Legend**

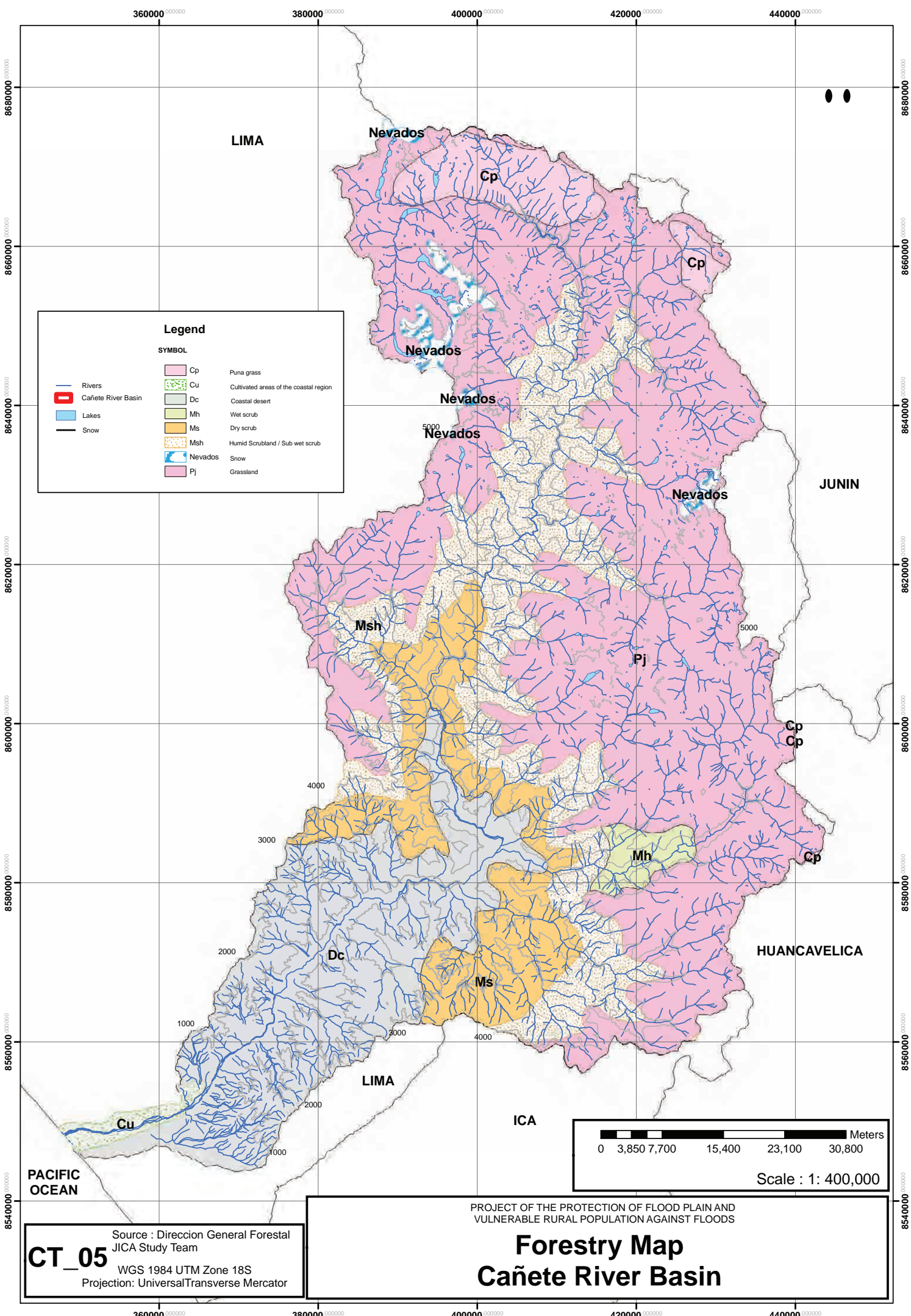
	Rivers		(SC)1-H/IV
	Lakes		(SC)1/III
	Cañete River Basin		(SC)2/IV
	Snow		B-V/II
			B/II
			E/III
			GN-S2/III
			H-B/III
			L1/I
			L2/II
			LO/I
			S1/II
			S2/III

**CT\_04**  
 Source : INRENA  
 JICA Study Team  
 WGS 1984 UTM Zone 18S  
 Projection: Universal Transverse Mercator

PROJECT OF THE PROTECTION OF FLOOD PLAIN AND  
 VULNERABLE RURAL POPULATION AGAINST FLOODS  
**Erosion - Cañete River Basin**







**Legend**

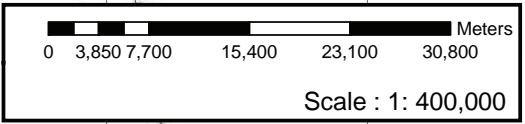
SYMBOL	
	Rivers
	Cañete River Basin
	Lakes
	Snow
	Cp Puna grass
	Cu Cultivated areas of the coastal region
	Dc Coastal desert
	Mh Wet scrub
	Ms Dry scrub
	Msh Humid Scrubland / Sub wet scrub
	Nevados Snow
	Pj Grassland

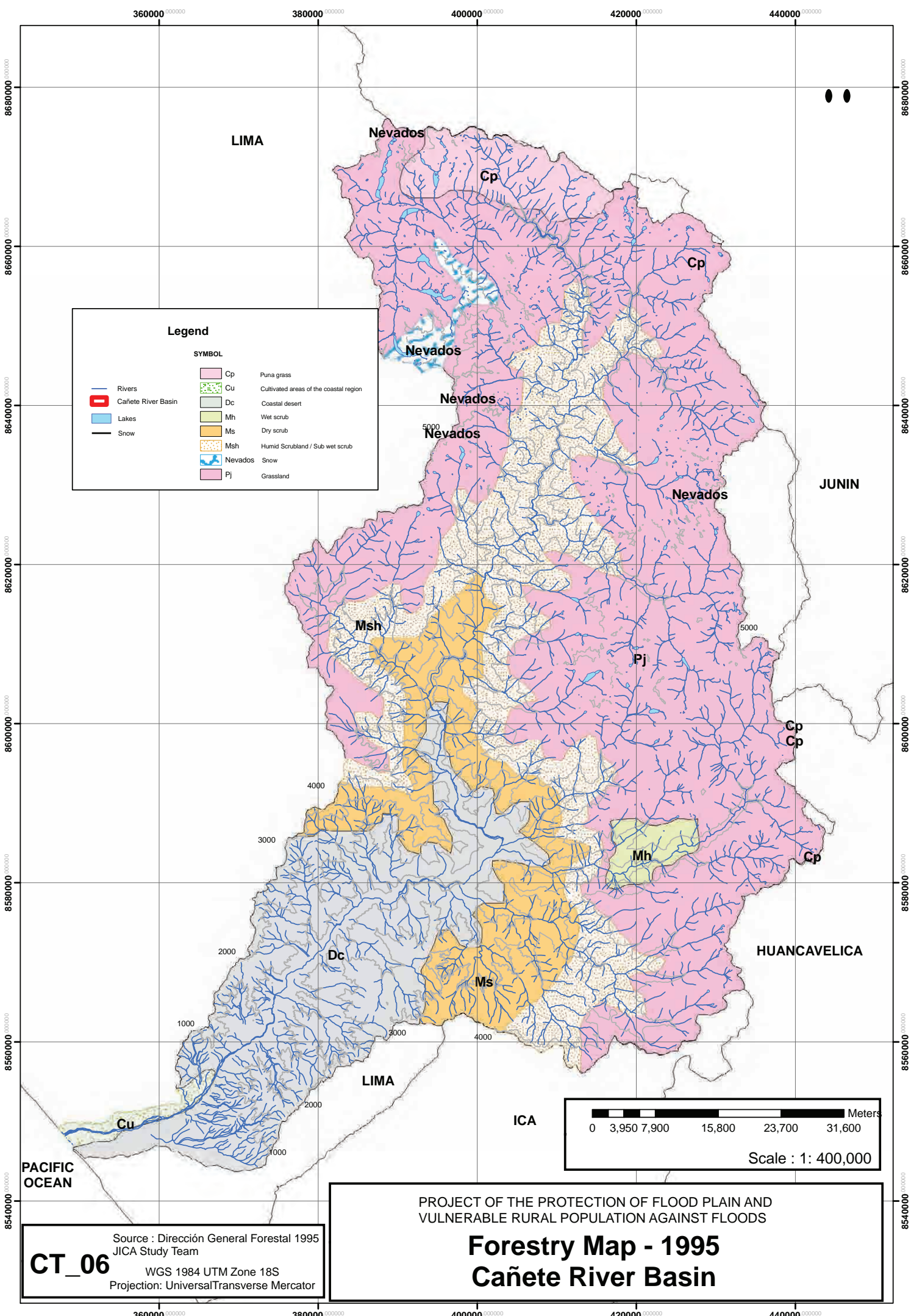
**CT\_05**  
 Source : Direccion General Forestal  
 JICA Study Team  
 WGS 1984 UTM Zone 18S  
 Projection: Universal Transverse Mercator

PROJECT OF THE PROTECTION OF FLOOD PLAIN AND  
 VULNERABLE RURAL POPULATION AGAINST FLOODS

## Forestry Map

# Cañete River Basin





CT\_06  
 Source : Dirección General Forestal 1995  
 JICA Study Team  
 WGS 1984 UTM Zone 18S  
 Projection: UniversalTransverse Mercator

PROJECT OF THE PROTECTION OF FLOOD PLAIN AND  
 VULNERABLE RURAL POPULATION AGAINST FLOODS  
**Forestry Map - 1995**  
**Cañete River Basin**