

**Legend**

- Basin limit
- Rainfall ( mm / year )

AYACUCHO

AREQUIPA

PACIFIC OCEAN

0 5 10 20 30 Km

Scale : 1: 400,000

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

**Annual Rainfall**

**Yauca River Basin**

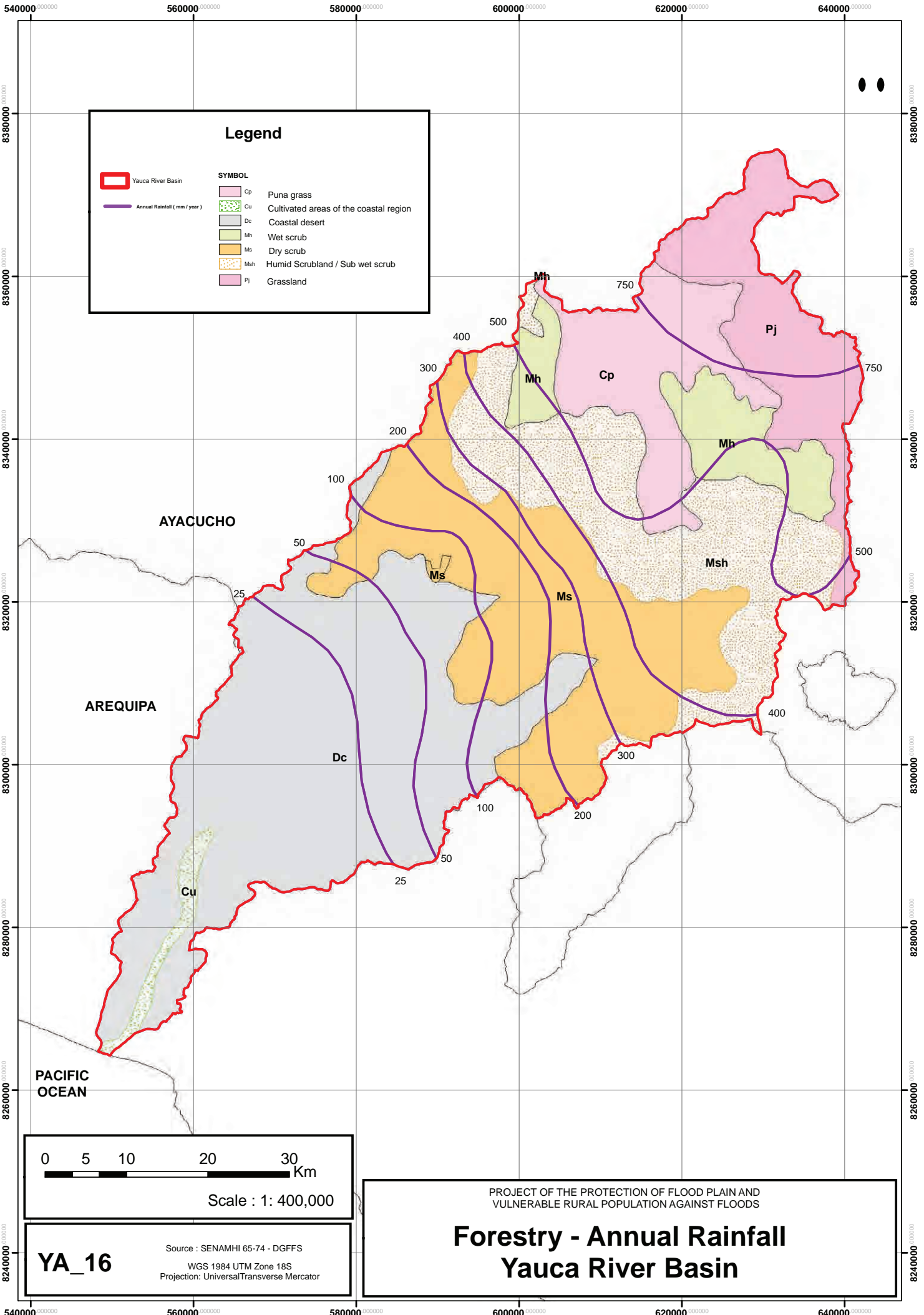
YA\_15

Source : SENAMHI 65-74

WGS 1984 UTM Zone 18S

Projection: Universal Transverse Mercator





**Legend**

Yauca River Basin

— Annual Rainfall (mm / year)

**SYMBOL**

<span style="background-color: #f8cbad; border: 1px solid black; display: inline-block; width: 10px; height: 10px; margin-right: 5px;"></span>	Cp	Puna grass
<span style="background-color: #c7e9c0; border: 1px solid black; display: inline-block; width: 10px; height: 10px; margin-right: 5px;"></span>	Cu	Cultivated areas of the coastal region
<span style="background-color: #d9d9d9; border: 1px solid black; display: inline-block; width: 10px; height: 10px; margin-right: 5px;"></span>	Dc	Coastal desert
<span style="background-color: #c7e9c0; border: 1px solid black; display: inline-block; width: 10px; height: 10px; margin-right: 5px;"></span>	Mh	Wet scrub
<span style="background-color: #f8cbad; border: 1px solid black; display: inline-block; width: 10px; height: 10px; margin-right: 5px;"></span>	Ms	Dry scrub
<span style="background-color: #f8cbad; border: 1px solid black; display: inline-block; width: 10px; height: 10px; border-style: dotted; margin-right: 5px;"></span>	Msh	Humid Scrubland / Sub wet scrub
<span style="background-color: #f8cbad; border: 1px solid black; display: inline-block; width: 10px; height: 10px; margin-right: 5px;"></span>	Pj	Grassland

0 5 10 20 30 Km

Scale : 1: 400,000

**YA\_16**

Source : SENAMHI 65-74 - DGFFS

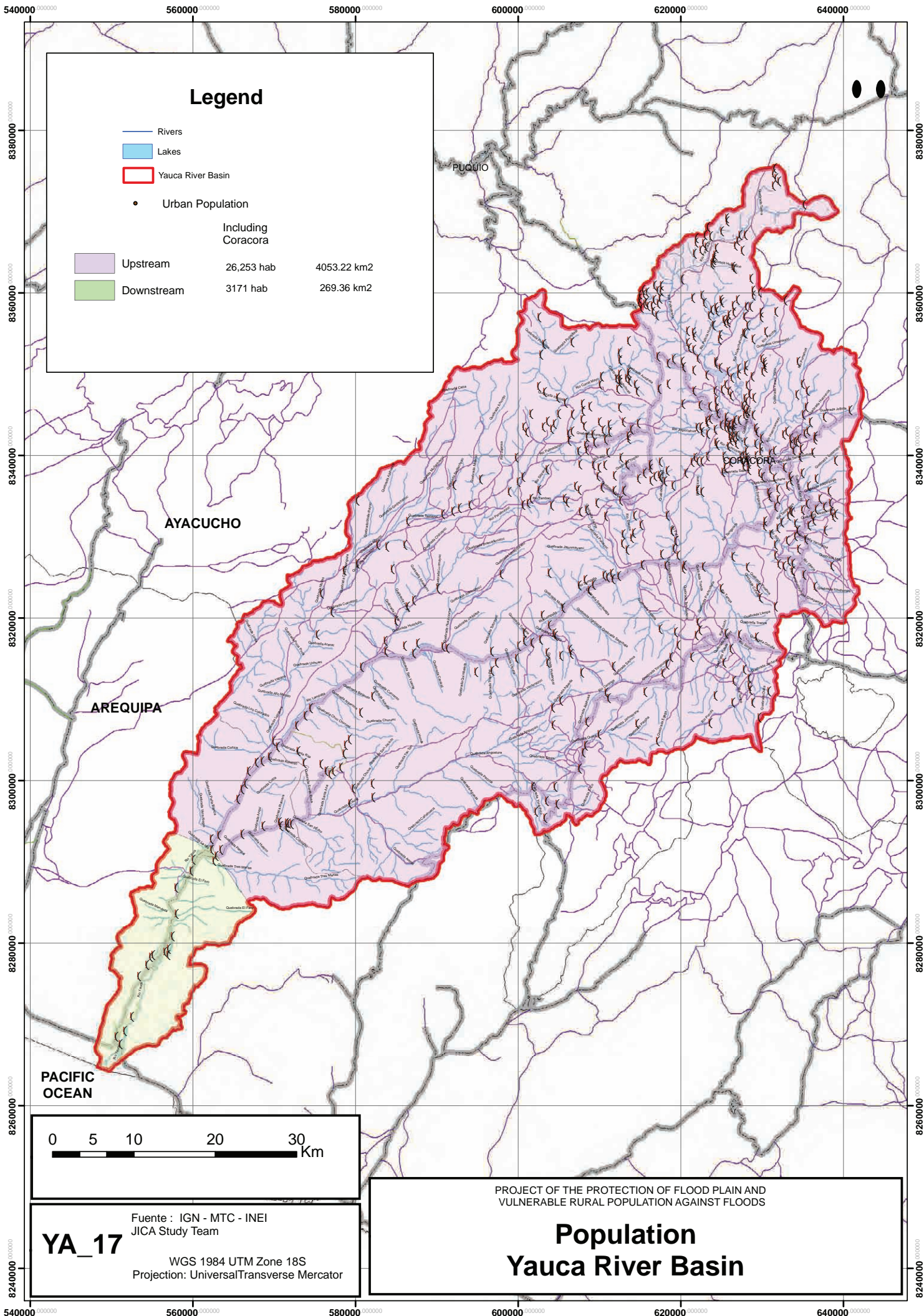
WGS 1984 UTM Zone 18S

Projection: Universal Transverse Mercator

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

**Forestry - Annual Rainfall**

**Yauca River Basin**



### Legend

- Rivers
- Lakes
- Yauca River Basin

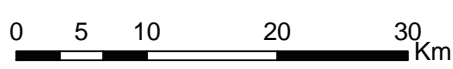
• Urban Population

	Including Coracora	
<span style="color: purple;">■</span> Upstream	26,253 hab	4053.22 km <sup>2</sup>
<span style="color: green;">■</span> Downstream	3171 hab	269.36 km <sup>2</sup>

AYACUCHO

AREQUIPA

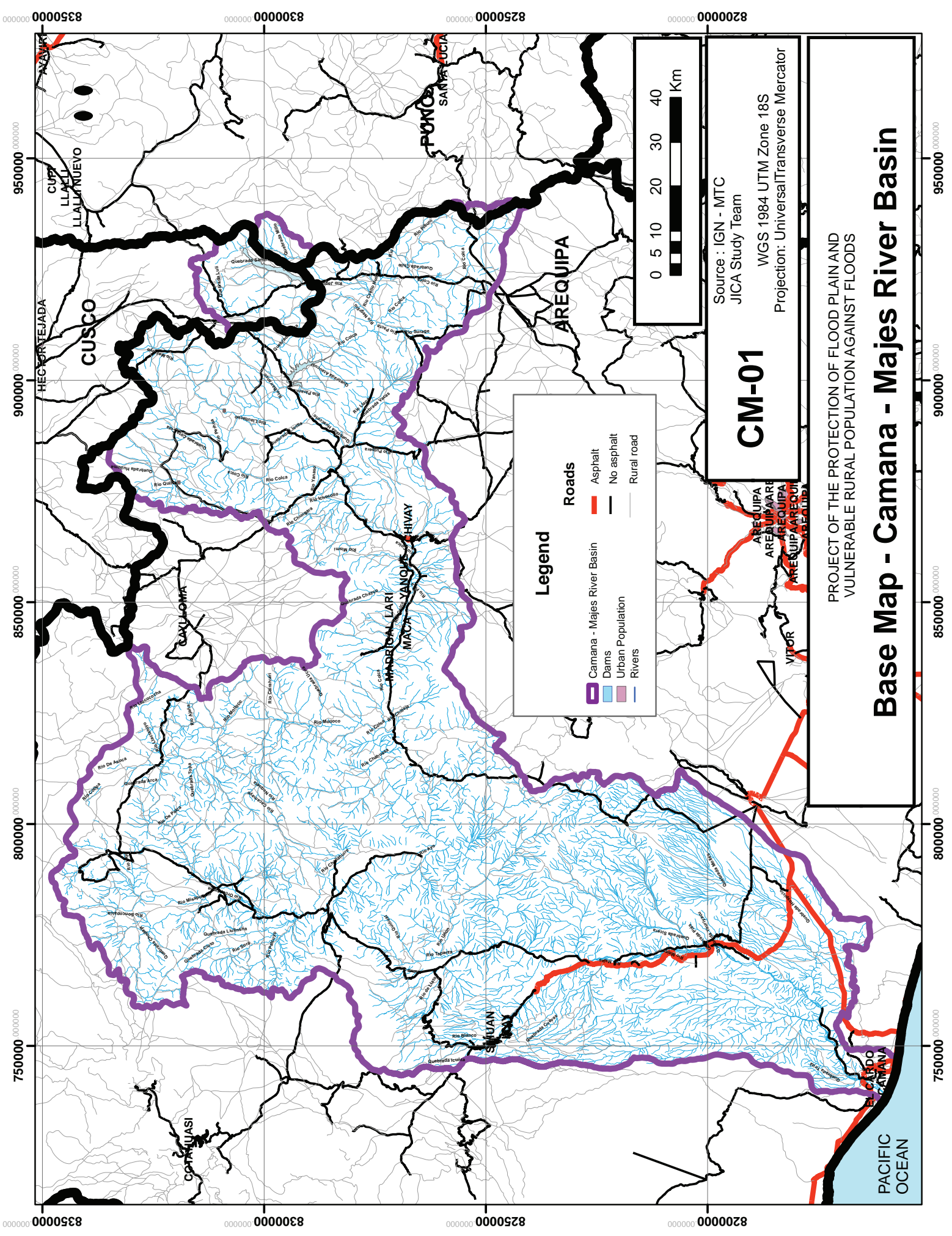
PACIFIC OCEAN



**YA\_17**  
 Fuente : IGN - MTC - INEI  
 JICA Study Team  
 WGS 1984 UTM Zone 18S  
 Projection: UniversalTransverse Mercator

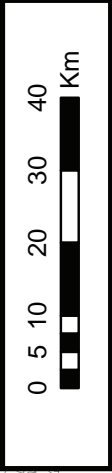
PROJECT OF THE PROTECTION OF FLOOD PLAIN AND  
 VULNERABLE RURAL POPULATION AGAINST FLOODS  
**Population**  
**Yauca River Basin**





**Legend**

- Camana - Majes River Basin
- Dams
- Urban Population
- Rivers
- Roads
  - Asphalt
  - No asphalt
  - Rural road



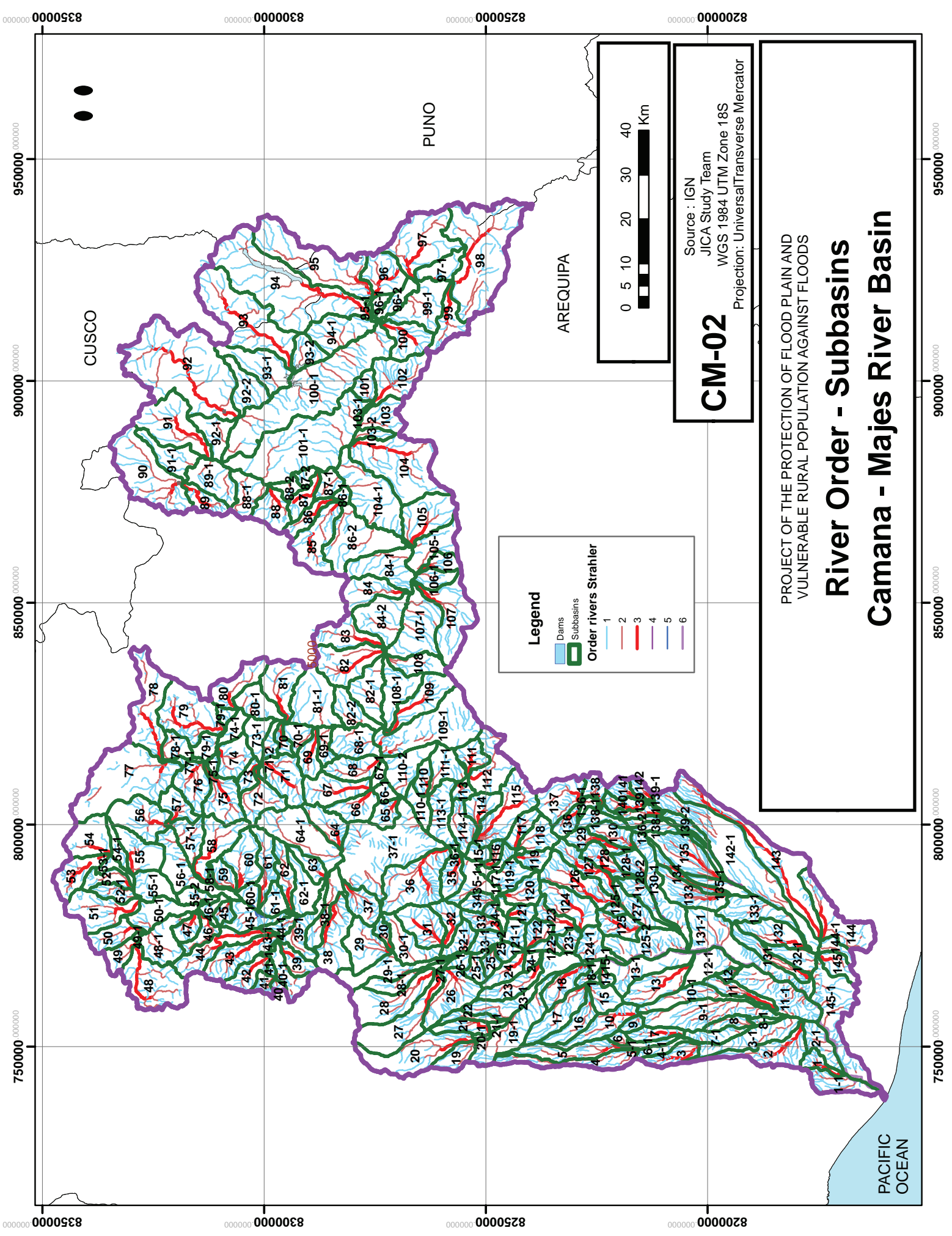
**CM-01**

Source : IGN - MTC  
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

**Base Map - Camana - Majes River Basin**



**Legend**

- Dams
- Subbasins
- Order rivers Strahler**
- 1
- 2
- 3
- 4
- 5
- 6

0 5 10 20 30 40 Km

**CM-02**

Source : IGN  
 JICA Study Team  
 WGS 1984 UTM Zone 18S  
 Projection: UniversalTransverse Mercator

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

**River Order - Subbasins**

**Camana - Majes River Basin**

8350000 8300000 8250000 8200000

8350000 8300000 8250000 8200000

950000 900000 850000 800000 750000

850000 800000 750000

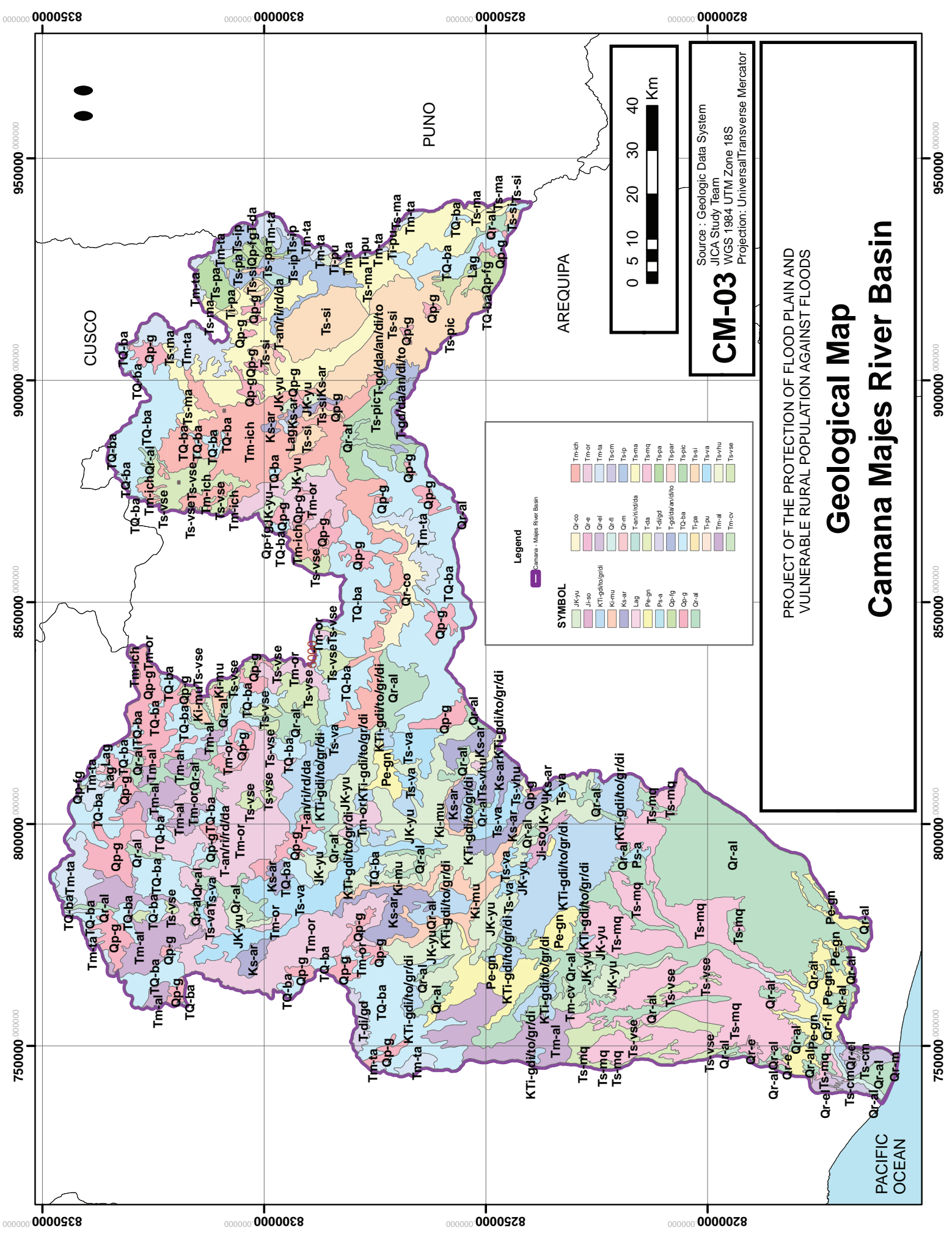
CUSCO

PUNO

AREQUIPA

PACIFIC OCEAN





**CM-03**  
 Source : Geologic Data System  
 JICA Study Team  
 WGS 1984 UTM Zone 18S  
 Projection: Universal Transverse Mercator

**Legend**  
 Camana - Majes River Basin

**SYMBOL**

JK-yu	Qr-co	Tm-ich
Ji-so	Qr-e	Tm-or
KTI-gdi/to/gr/di	Qr-al	Tm-ta
Ki-mu	Qr-li	Ts-cm
Lag	Qr-m	Ts-p
Fam/rir/da	T-da	Ts-ma
Pe-gn	T-dgd	Ts-enq
Ps-a	Qp-g	Ts-pic
Qp-g	Qr-co	Ts-bar
Qr-al	Qr-al	TQ-ba
Ts-vse	Ts-vse	Ti-pa
Ts-vse	Ts-vse	Ti-pu
Ts-vse	Ts-vse	Tm-d
Ts-vse	Ts-vse	Tm-cv

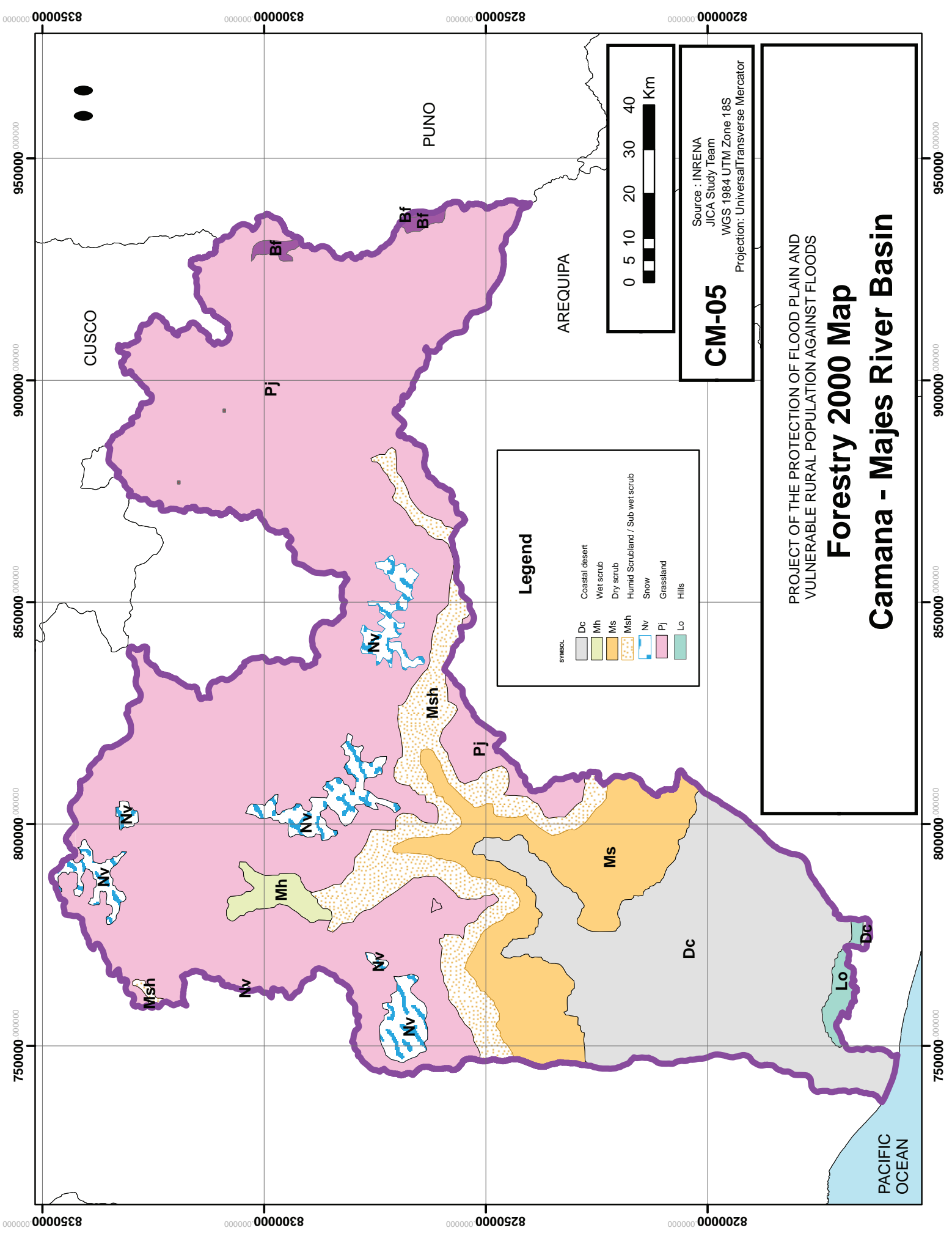
PROJECT OF THE PROTECTION OF FLOOD PLAIN AND  
 VULNERABLE RURAL POPULATION AGAINST FLOODS

# Geological Map

## Camana Majes River Basin

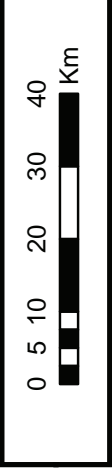






**Legend**

SYMBOL	
Dc	Coastal desert
Mh	Wet scrub
Ms	Dry scrub
Mish	Humid Scrubland / Sub wet scrub
Nv	Snow
Pj	Grassland
Lo	Hills



**CM-05**  
 Source : INRENA  
 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 2000 Map

# Camana - Majes River Basin