



XIIIth International Scientific and Technical Conference
“From Imagery to Map: Digital Photogrammetric Technologies”

23-26 September 2013 - Fontainebleau - France

PROVINCIA R.C.



**“PHOTOMOD SW TO SUPPORT THE STUDIES
FOR THE PRESERVATION AND PROTECTION OF
THE CALABRIA COAST ”**

Dott. Arch. Giuseppe Mezzatesta
(Chief Executive - Reggio Calabria Province)

Dott. Ing. Filippo Campolo
(Director Eurobit)

Italy





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La mappa della pericolosità sismica

Bassa pericolosità Alta pericolosità



The hydrological and seismic risk
affects the entire Italian territory





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CALABRIA

the place where
born the name

” ITALY ”





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Old disasters

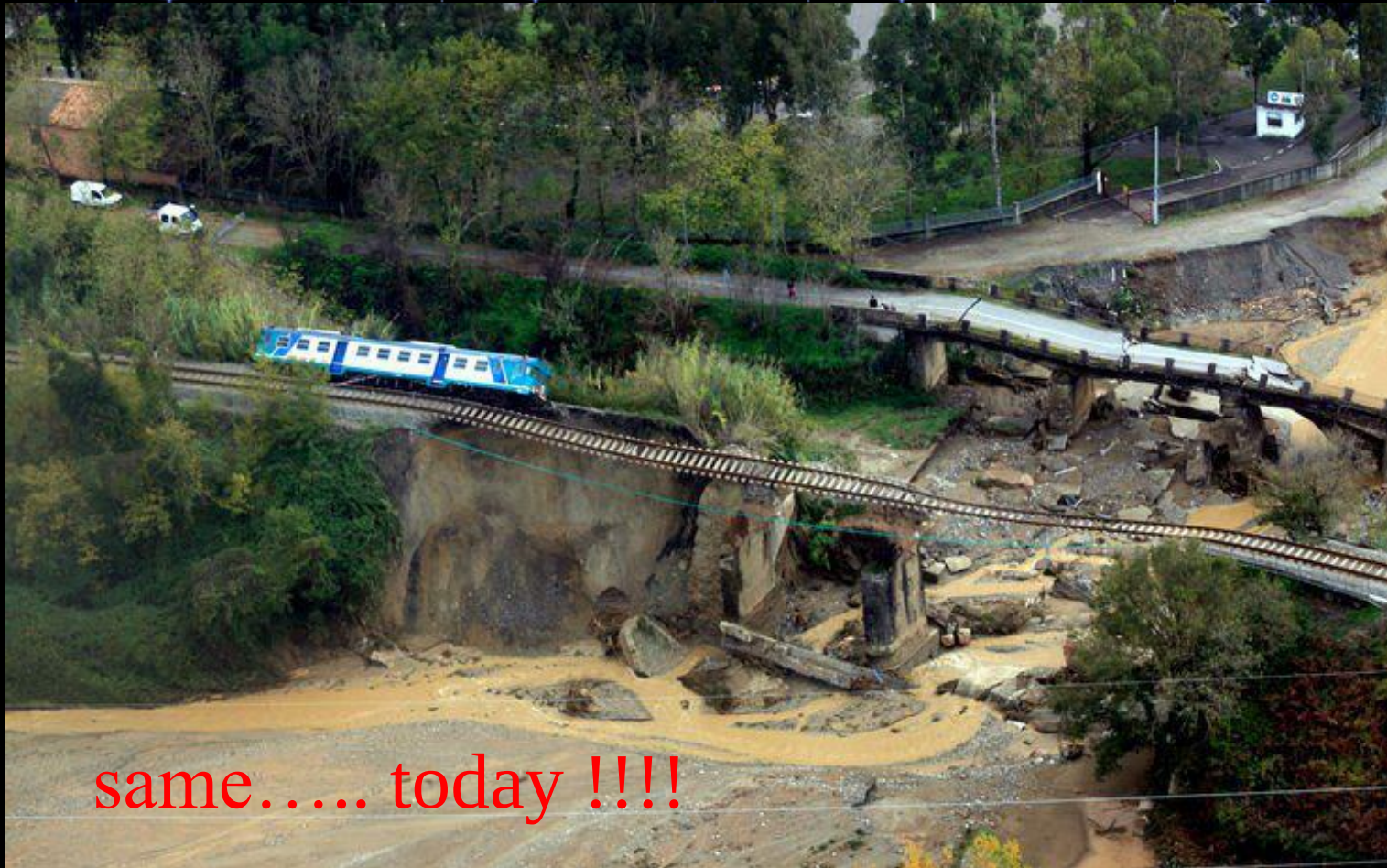
..... are



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same..... today !!!!



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..... and more severe

... for human responsibility





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**Recent
Landslide
Maierato**





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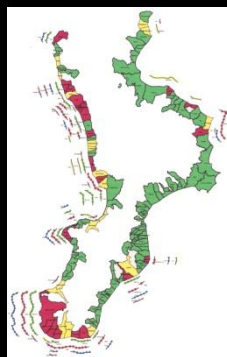
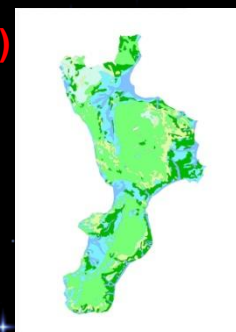
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- more than $\frac{3}{4}$ of the land is "mountainous" (44% mountains, 49% hills, 7% plains)
- there are 877 rivers with a surface area > 0.5 km² that make up the regional hydrographic
- there are 409 urban centers spread throughout all territory
- and 739 Km of beach



In CALABRIA



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The power of sea





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**Crazy
urbanization**





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... and overbuilding along the beach



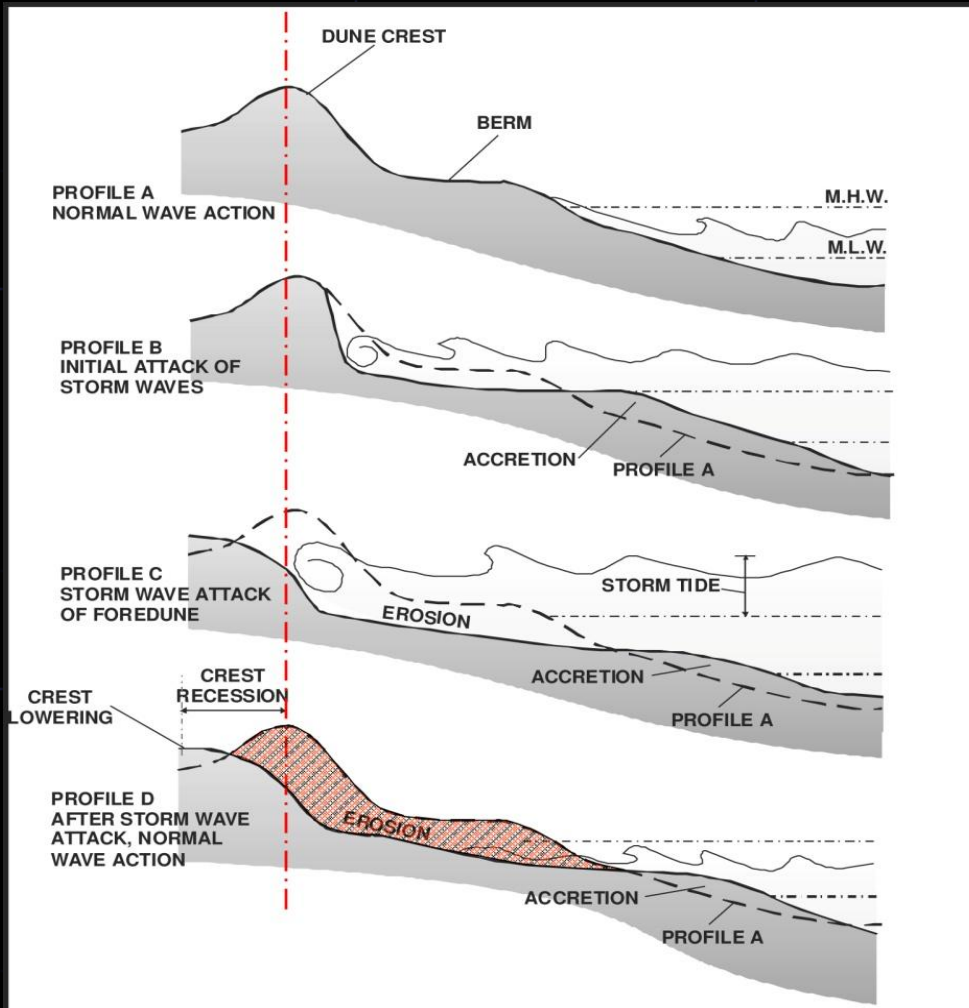
often cause disasters



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Natural
coastal
erosion



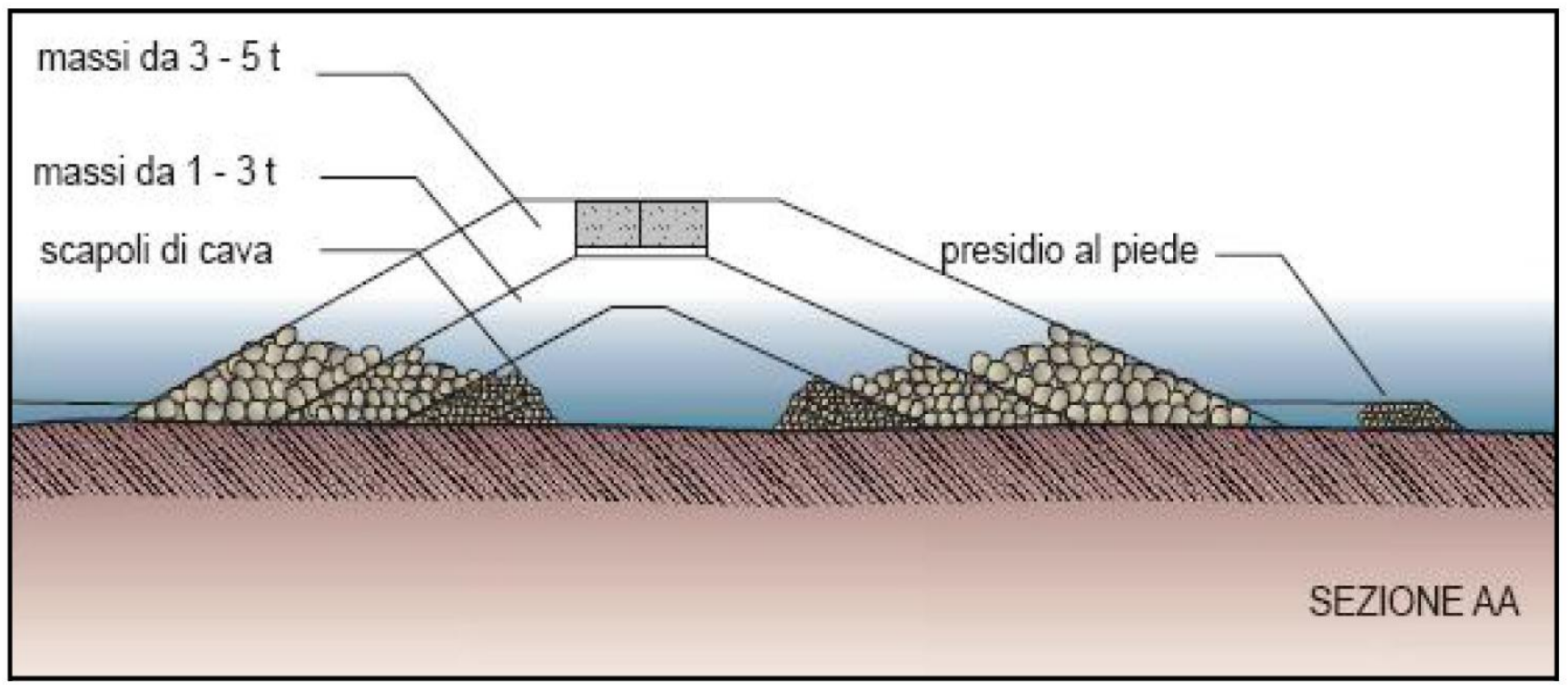
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Breakwater barriers made in relation to coastal dynamics





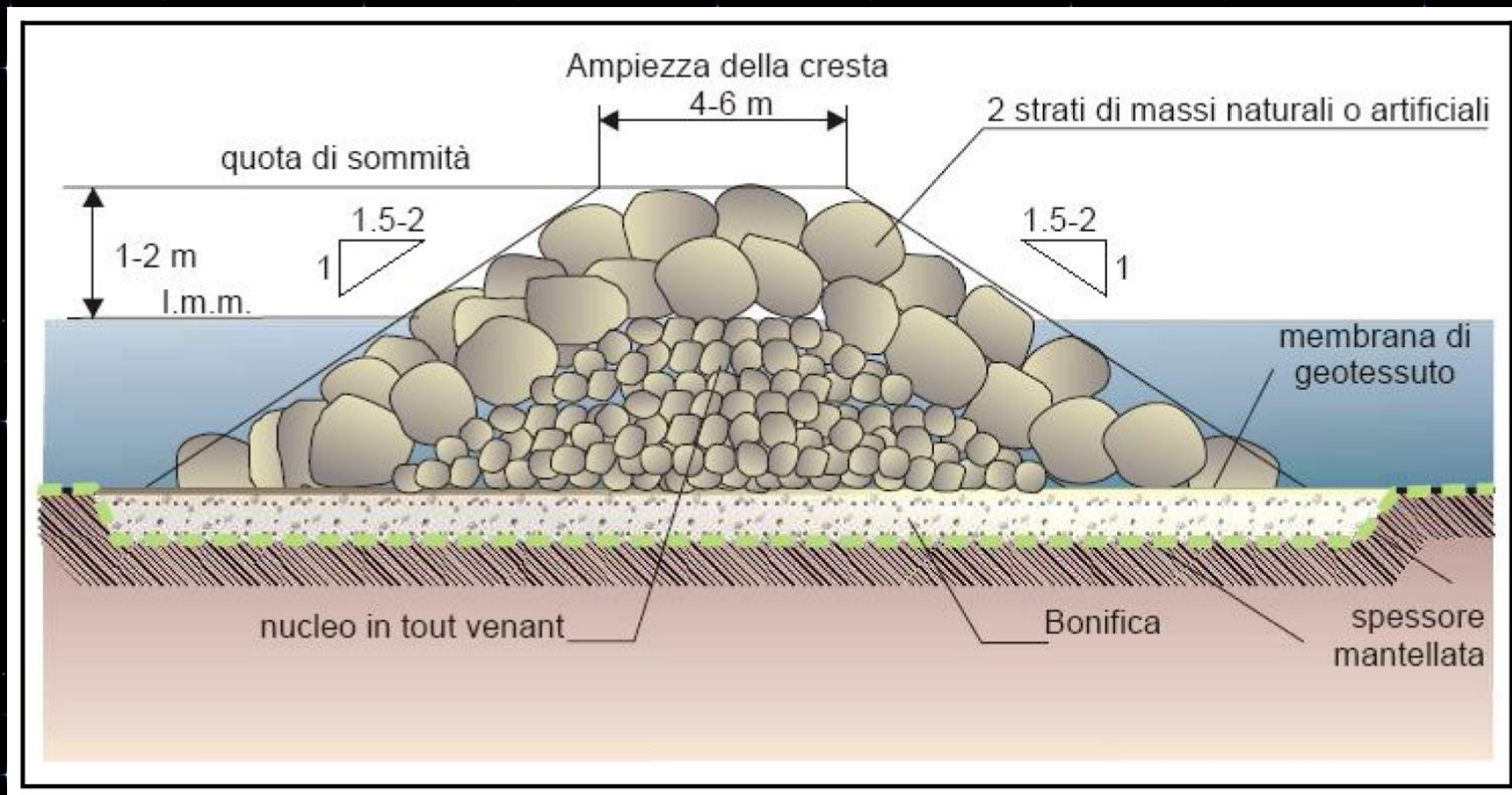
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Construction detail

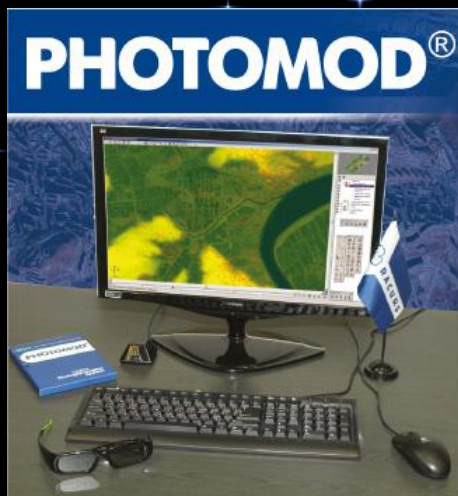
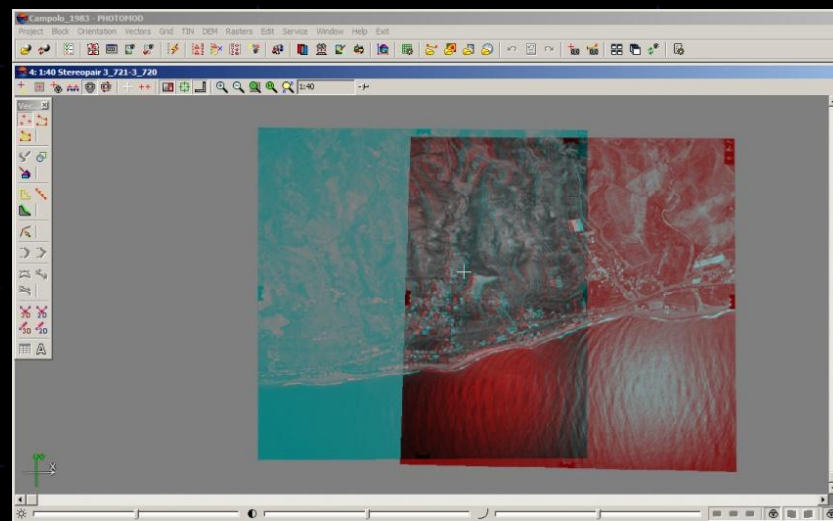
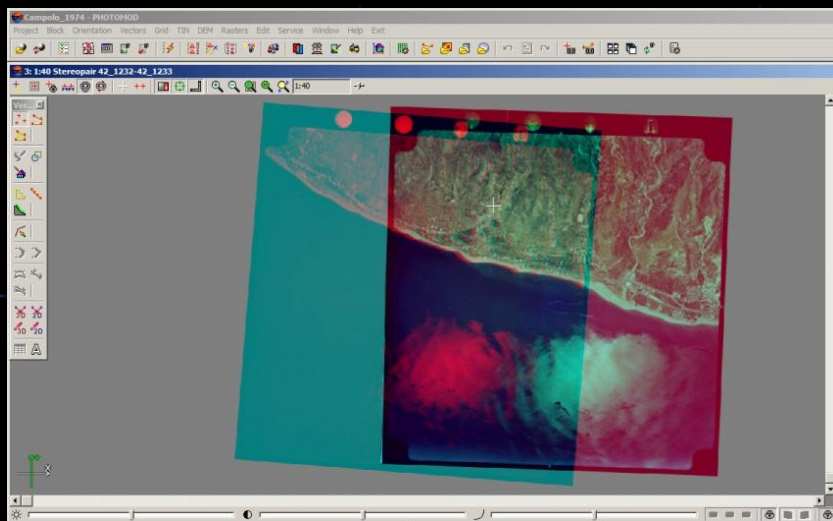




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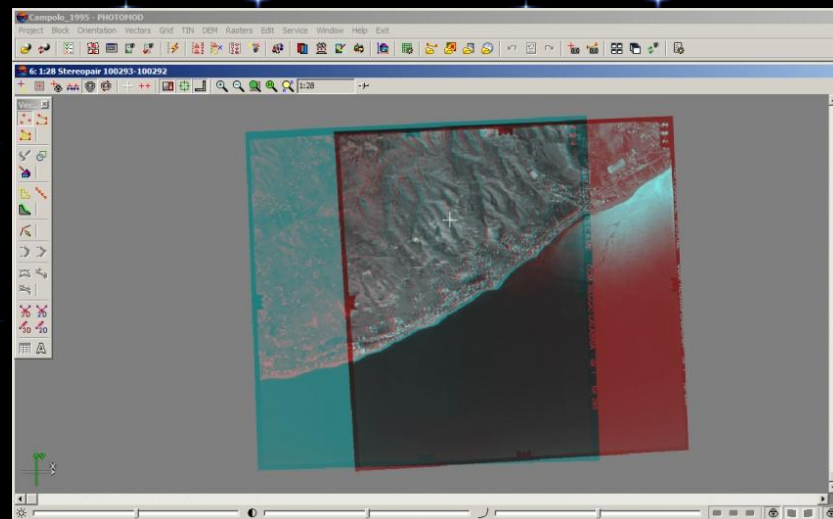
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For the analysis
and studies
of erosion coast
we used

PHOTOMOD





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Operational meetings and works

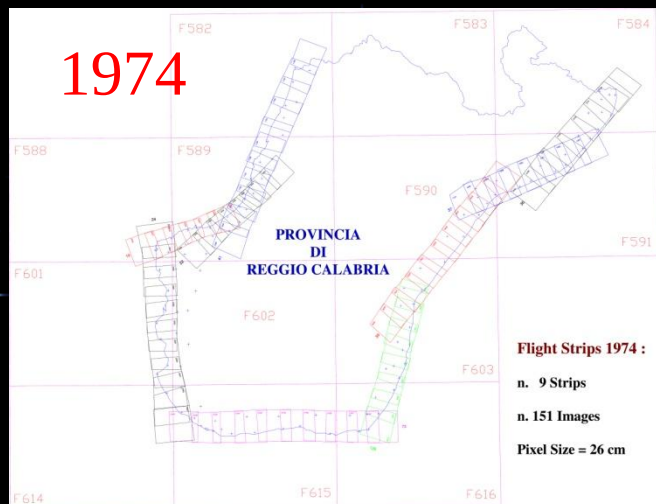


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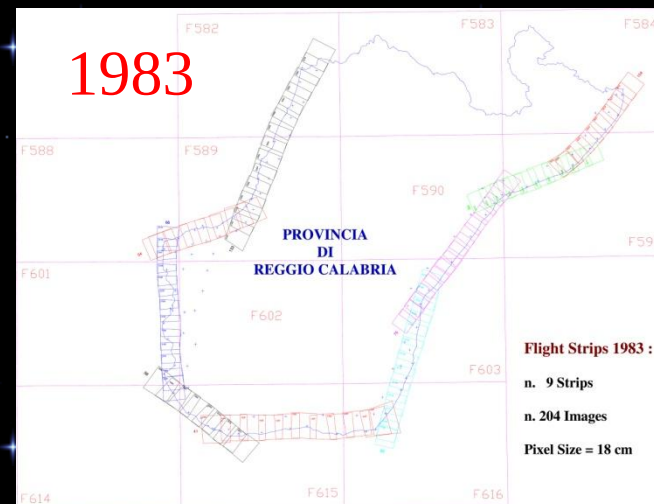
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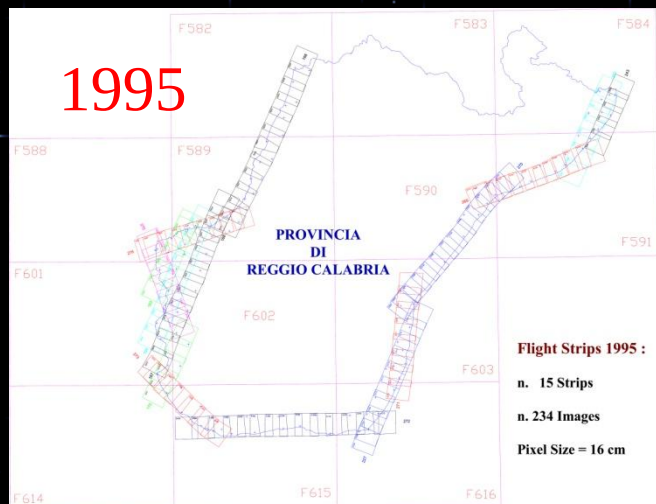
1974



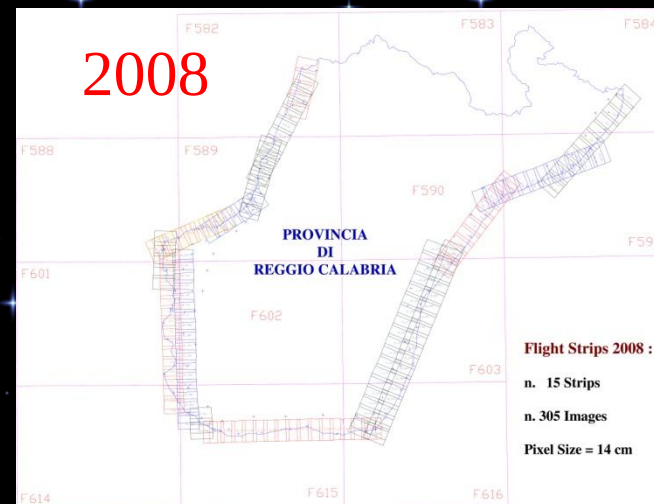
1983



1995



2008



Historical
flights
used



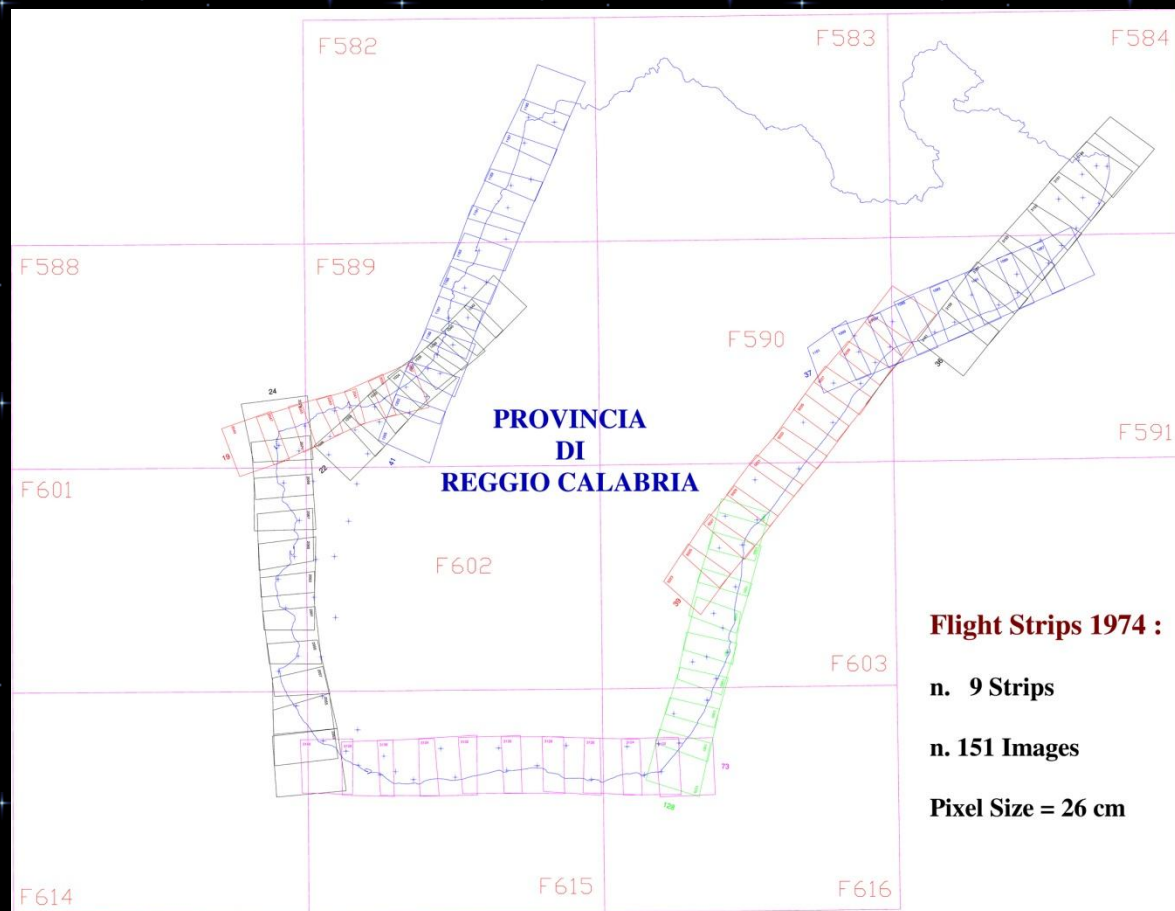
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1974, July





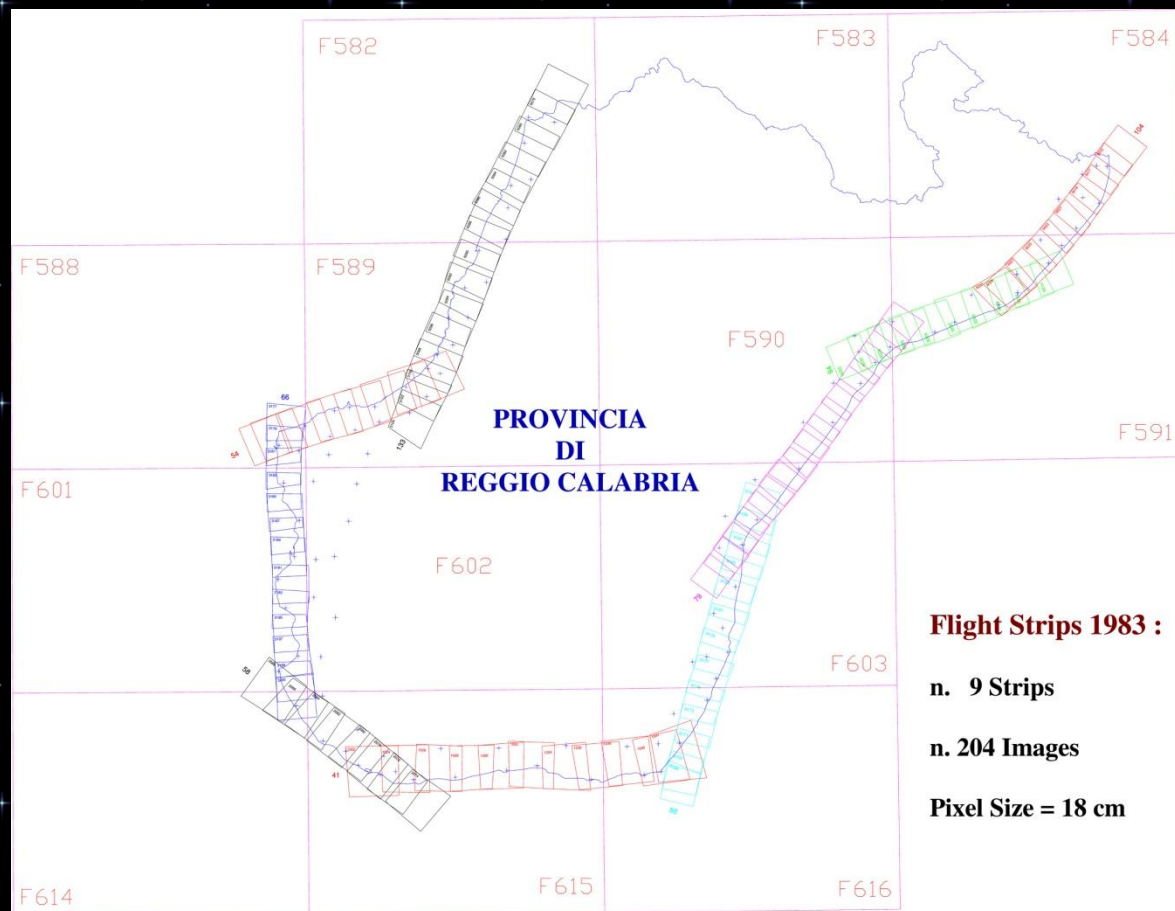
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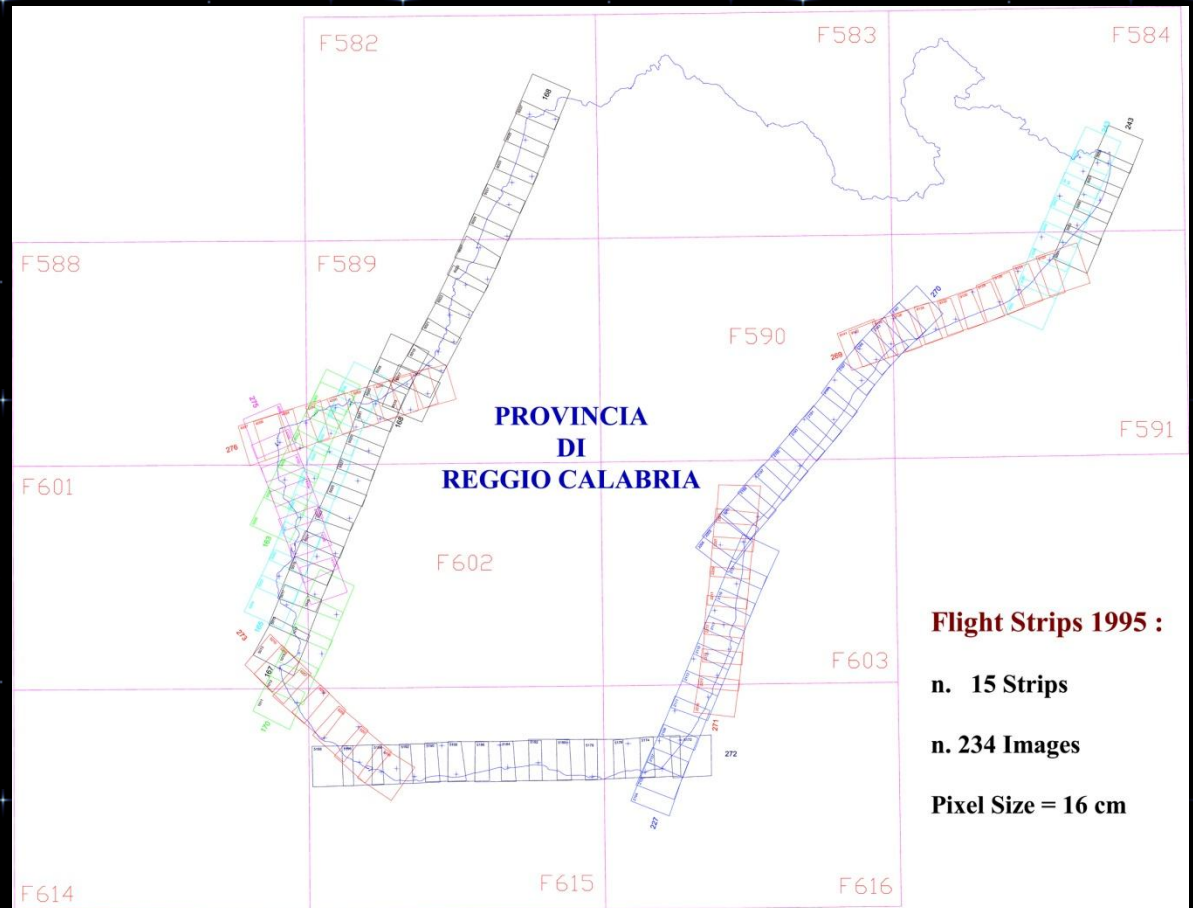
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1983, May



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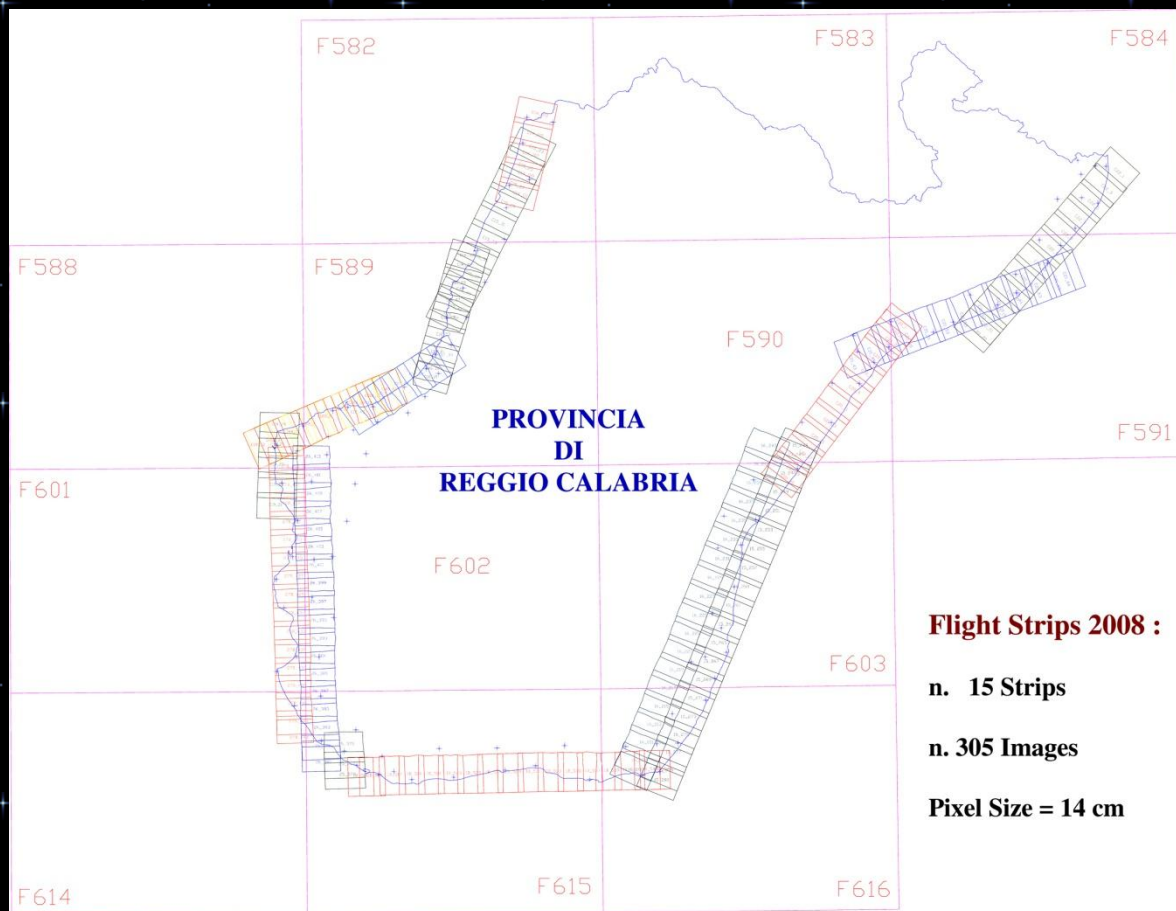
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2008, June



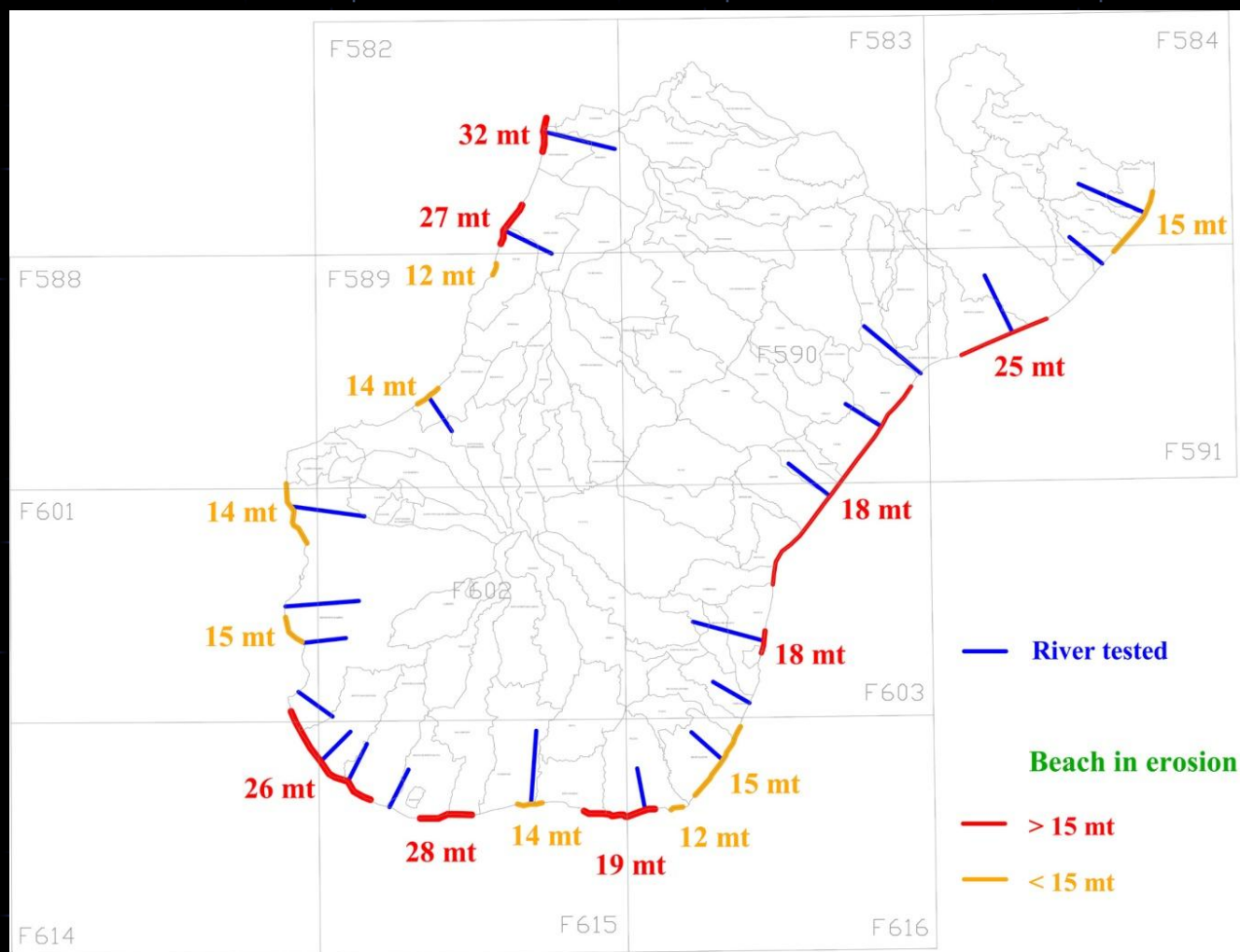


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**Erosion
width
in mt**

**From 1974
to 2008**



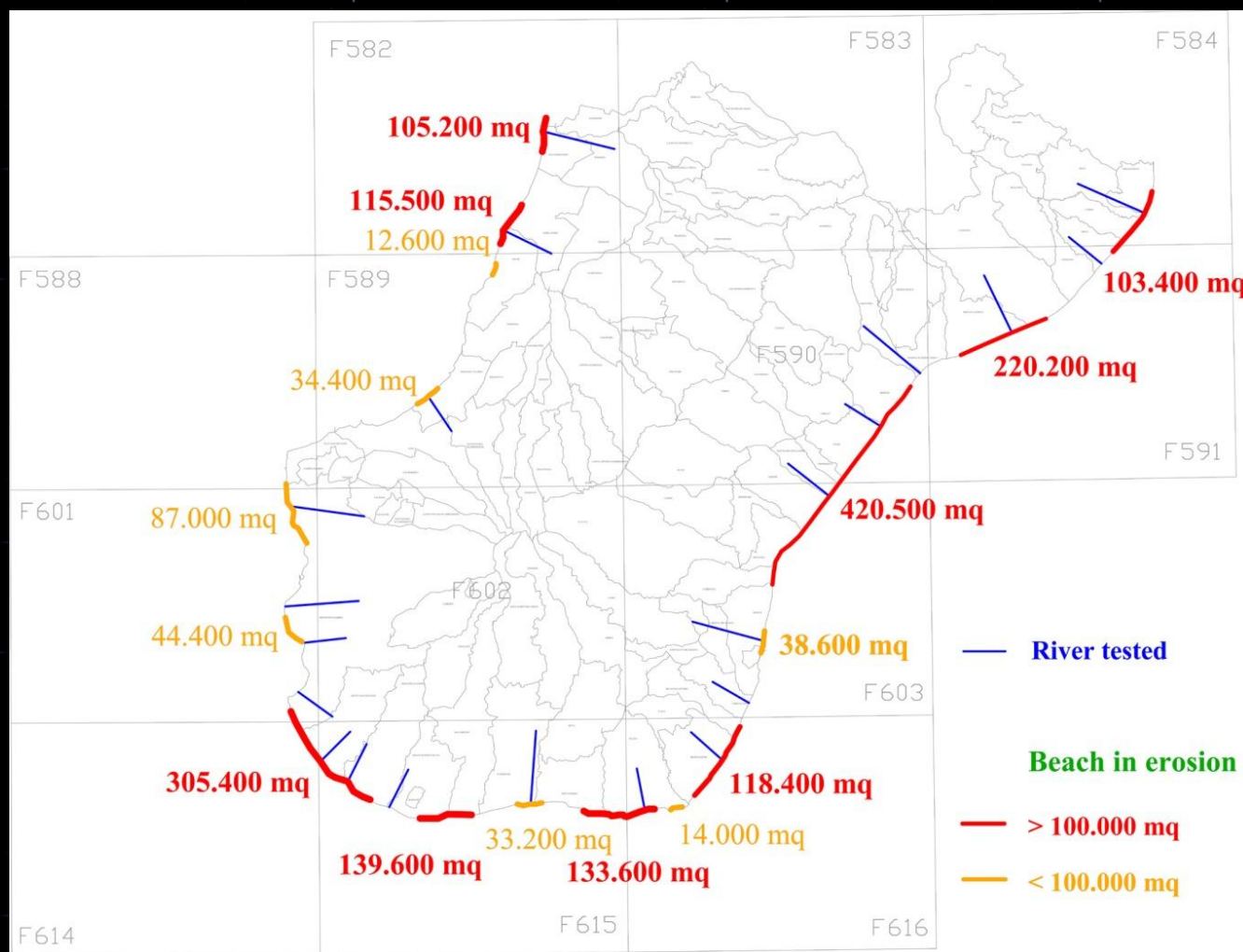


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**Erosion
areas
in mq**

**From 1974
to 2008**



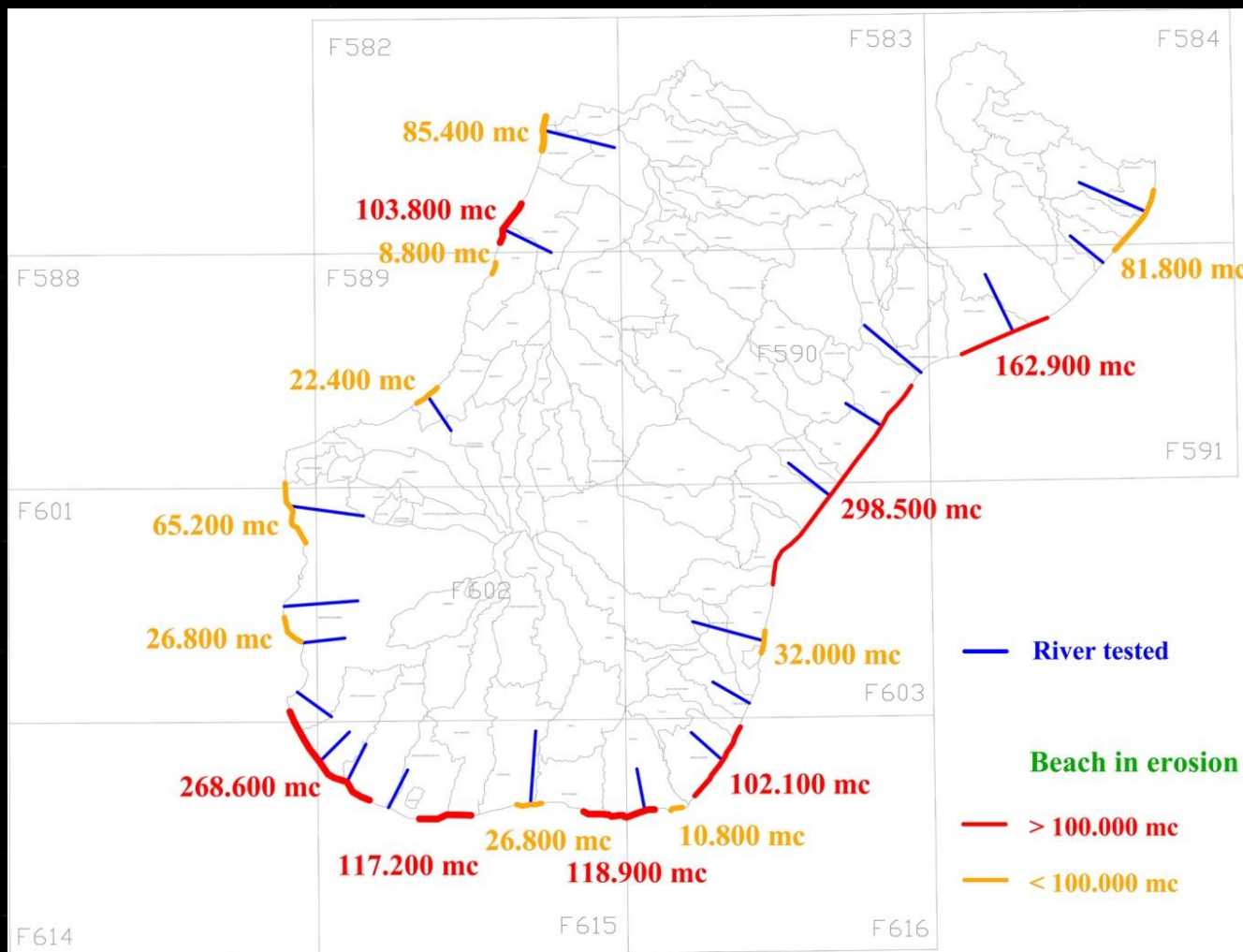


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**Erosion
volumes
in mc**

**From 1974
to 2008**





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Thanks you for attention



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