

# PORT OF LEIXÕES

SECRETARIA DO CONSELHO  
DO ALMIRANTADO  
6.ª Repartição

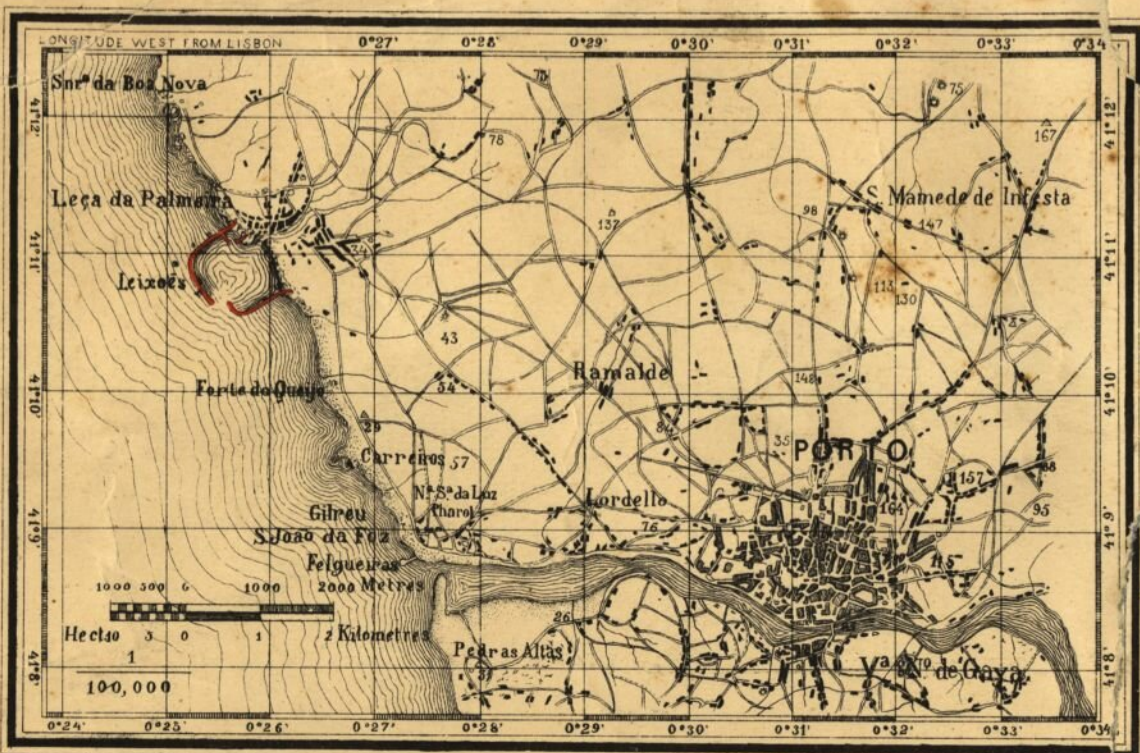
NEW HARBOUR  
(OPORTO, PORTUGAL.)  
HYDROGRAPHICAL CHART PUBLISHED  
BY THE DAILY PAPER

## O Commercio do Porto

According to the topography and soundings made by the Portuguese Government in the harbour  
April 1892; view of the entrance of the port; its situation in relation to the bar of the river Douro and  
the city of Oporto.

-1892-

SCALE 1/2500



Relative position of Leixões Harbour, entrance to River Douro and Oporto

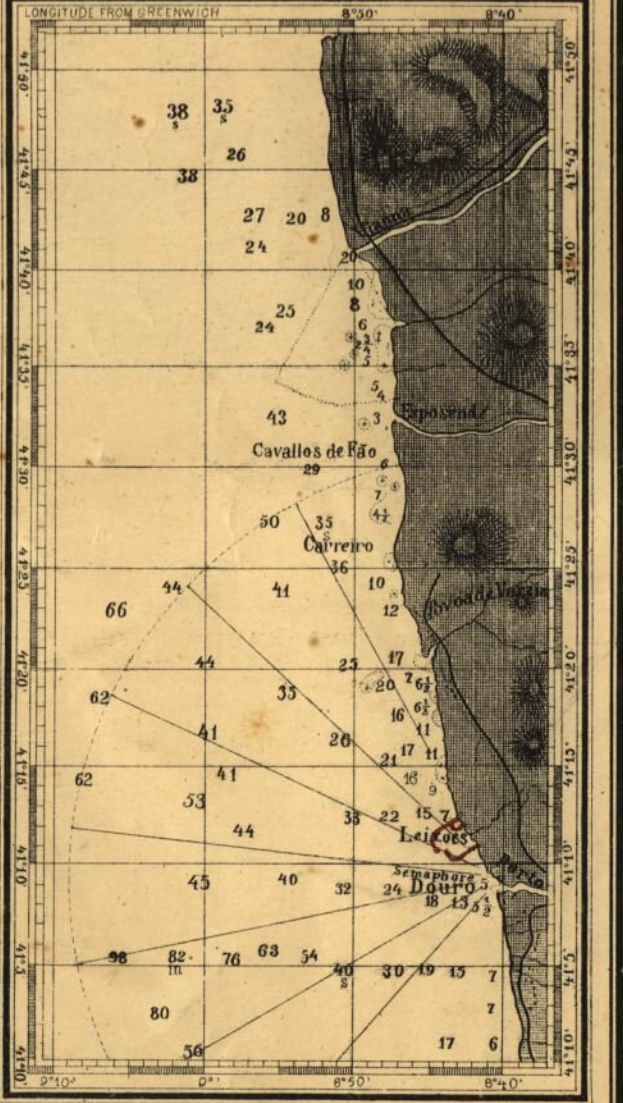


Chart of North Coast of Portugal



The lighthouse at Fox  
(Pharol da Luz) is about  
2,760 metres (1 1/2 nautical miles)  
south of the entrance of the  
port of Leixões. This light is dia-  
phaneous 4th order white, with one flash  
each minute. It is 51' 7" above high water  
and visible from about 18 miles.  
Geographical position of this lighthouse  
(according to the information of the Portuguese  
Admiralty Hydrographic Office):

Latitude... 41° 9' 10" N  
0° 27' 20" E St. Jorge Castle (Lis-  
bon)

Longitude... 8° 40' 35" W Greenwich  
11° 0' 40" W Paris

Spring rise... Maximum 3' 80  
Minimum 2' 30

Neap rise... Maximum 2' 80  
Minimum 0' 70

The soundings in the interior of the basin were made by the Portuguese government in April 1892 & refer to  
the maximum low water or hydrographical zero (1' 9" below the mean level of the sea). They are given in metres  
(numbers in black ink) and in English Fathoms (numbers in red ink).

Nature of the bottom:  
R — rock  
A — sand  
F — fine sand  
A G — coarse sand  
M — mud  
E — broken stone

The port of Leixões was completed and formally handed by the contractors Messrs Daudery, Duparchy & Co. to the Portuguese Government  
in 1889.  
The first transatlantic S. S. "Elba" of the Royal Mail Steam Packet Company entered the Harbour on March 1st 1891. Since which date this  
new Port has been frequented by the steamers of the principal Transatlantic Lines and it has been demonstrated that vessels of the largest  
draught may enter the Harbour with safety at all tides.  
It is intended to construct quays to enable vessels to discharge into railway trucks thus connecting directly with the city of Oporto and the  
railway system of Portugal, Spain, & France via Salamanca &c.  
Bonded warehouses will also be built to afford facilities for forming a Depot for the Export of Produce.  
It will thus readily be seen that the new Harbour has before it a promising future owing to its very advantageous geographical position.

Entrance of the Harbour of Leixões

LITHOGRAPHIA A VAPOR EMILIO BIEL & CA - P.  
Rua da Imperatriz, 10 - Oporto



# IXÕES

AL.)

# do Porto

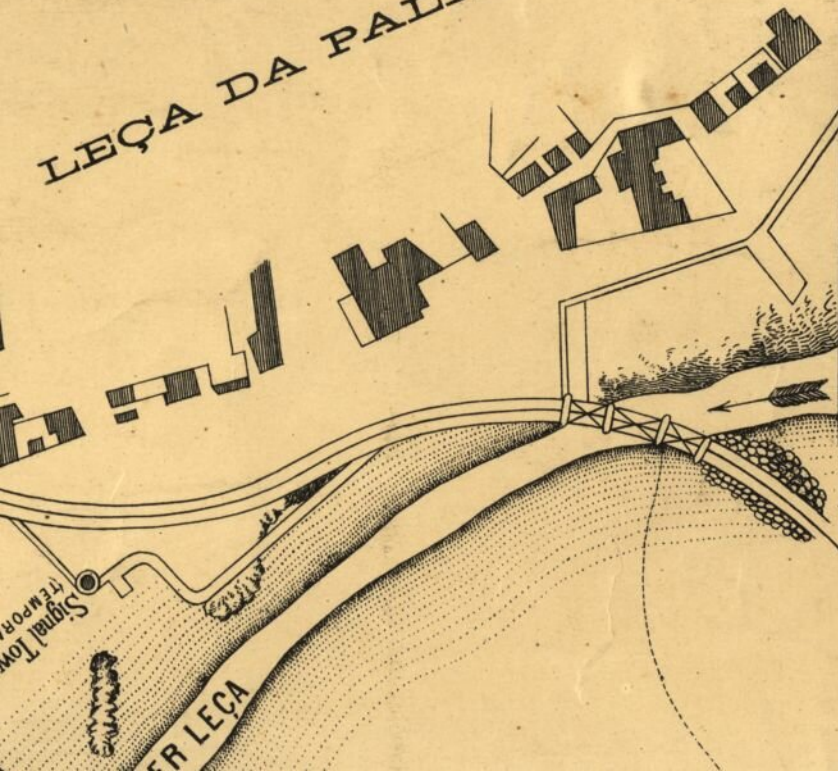
Portuguese Government in the harbour  
up to the bar of the river Douro and

SECRETARIA DO CONSELHO  
DO  
ALMIRANTADO  
~~SECRETARIA~~  
6.ª Repartição

TIRA

41.50  
41.45  
41.40  
41.35  
41.30  
41.25

LEÇA DA PALMEIRA



Signal Tower

LEÇA

4 FT 2 1/2  
4 FT 20  
4 FT 15  
4 FT 10  
4 FT 5  
4 FT 0

RIVER LECH

HIGH WATER

0,79R

+0,35A

+0,20A

+0,93A

,10A

+0,39A

+0,25A

0,25A

+0,05A

0,86A

0,25A

1,82A

0,28A

0,78A

2,17A

1,92A

1 3/4

1 1/8

2,16A

1,97A

1 3/4

2,56A

2,46A

1,86A

0,97A

3,32A

2,95A

0,17A

3,28A

2,75A

0,42A

8A

2 1/8

3,55A

1,33A

0,36A

1/8

2 1/8

3,84A

1,98A

0,87A

0,76A

2 1/8

4,58A

3,65A

1 1/8

2,38A

1,75A

3A

4,55A

2,89A

2,85A

5,05A

3,49A

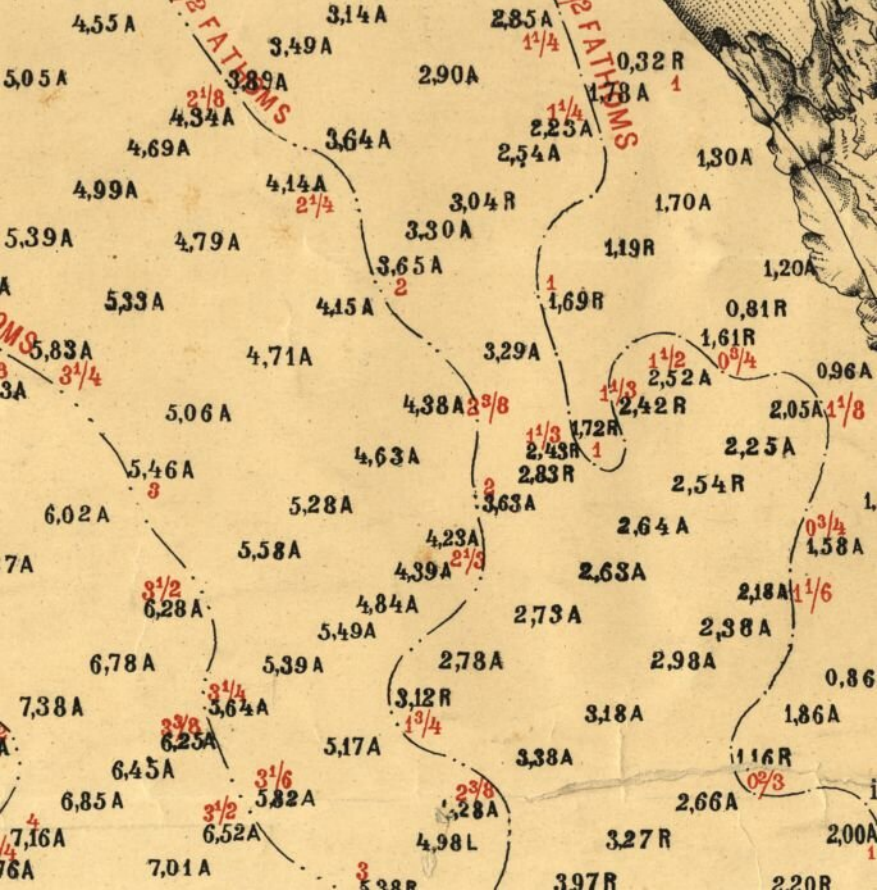
1 1/4

2,90A

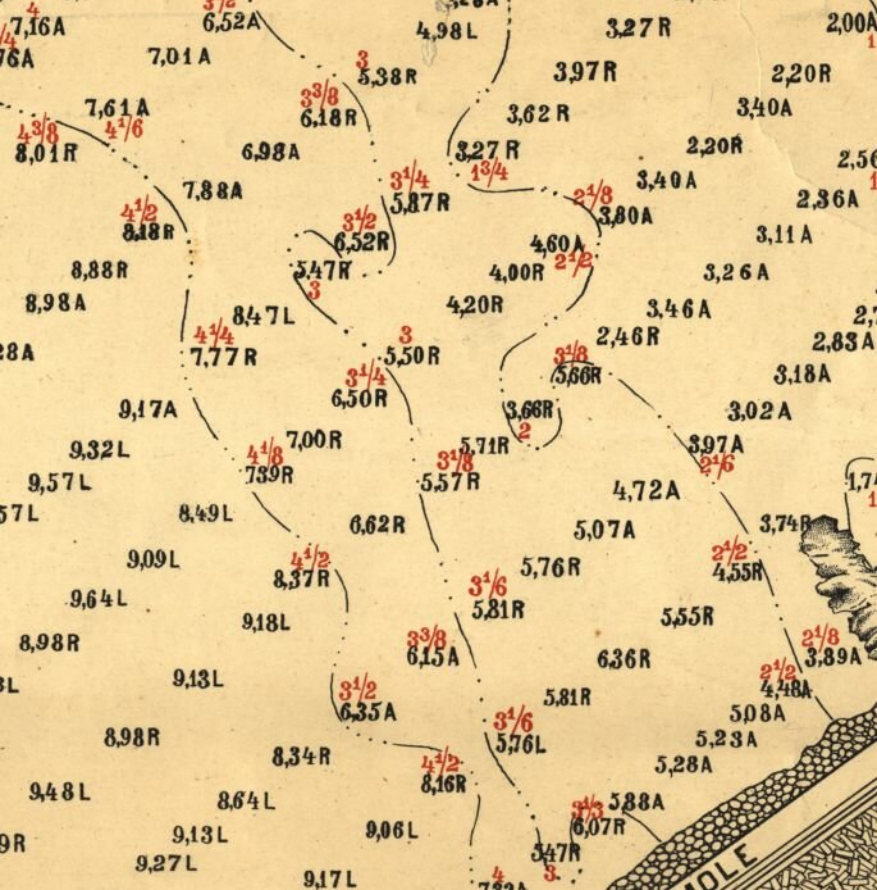
0,32R

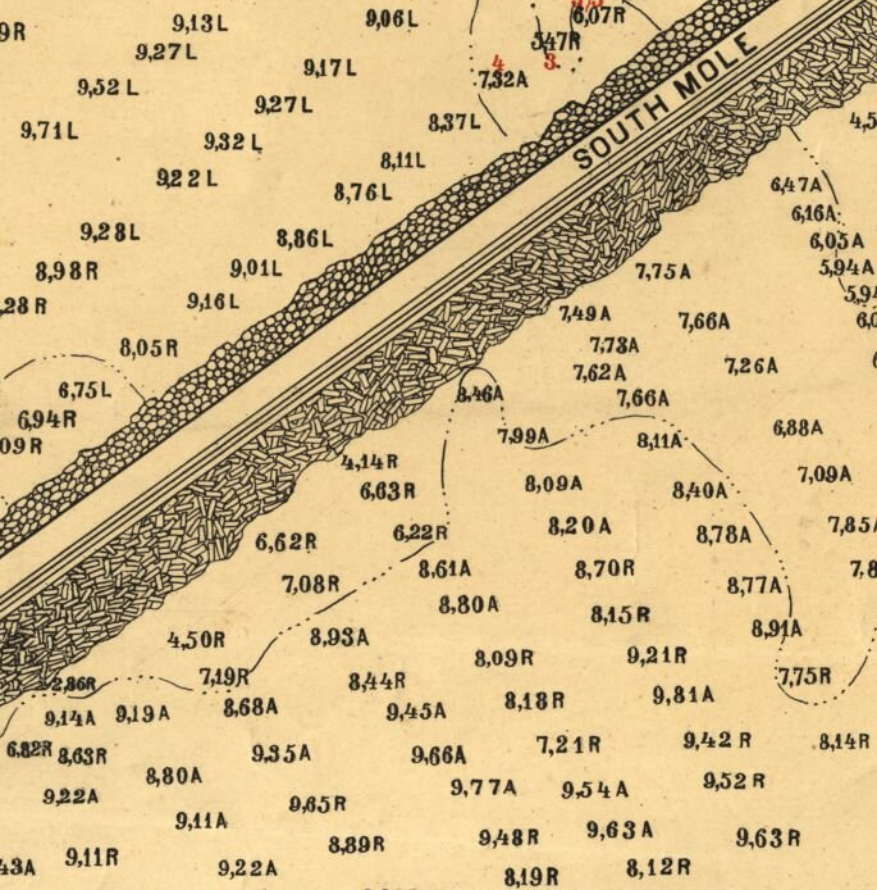
LOW WATER MARK CURVE OF DEPTH OR 2 M OR 1 1/2 FATH

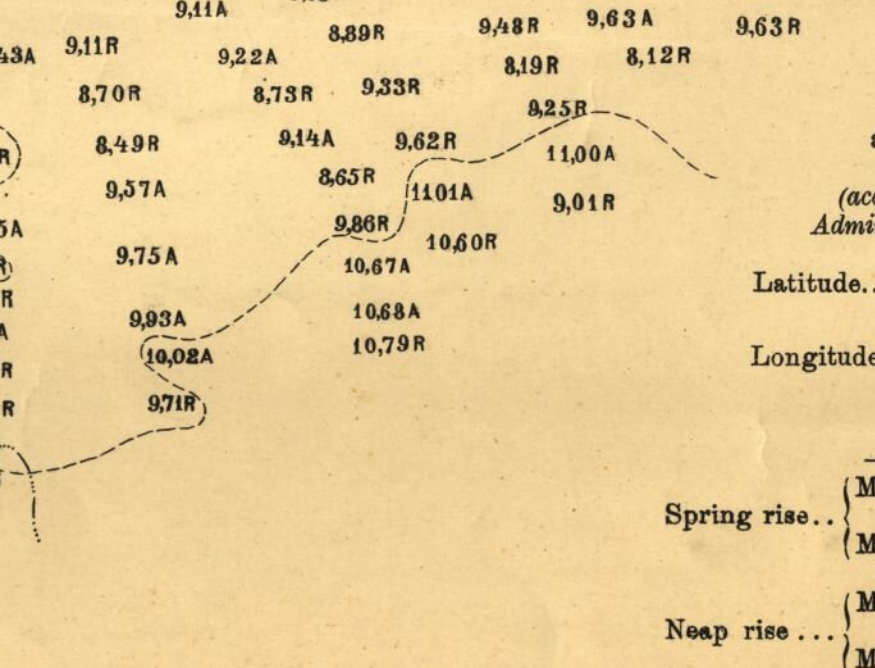
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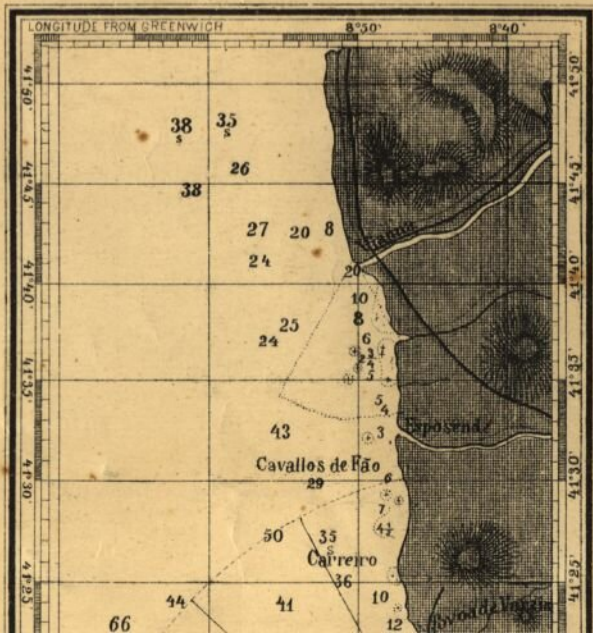
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LITHOGRAPHIA A VAPOR EMIL

*Wm. de la ...*  
*...*  
*...*







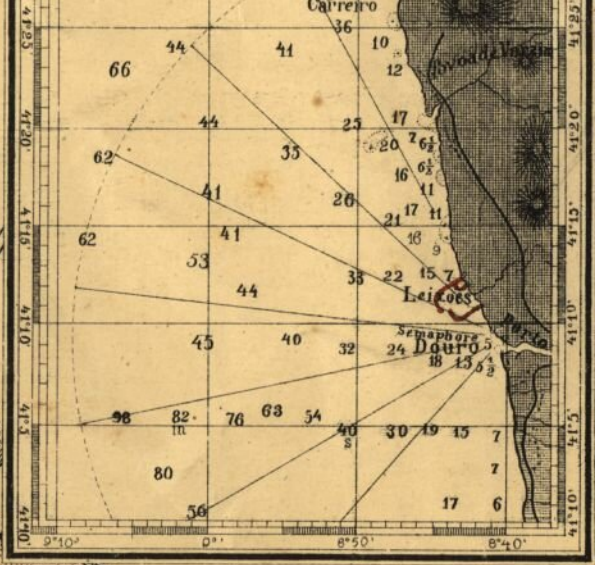
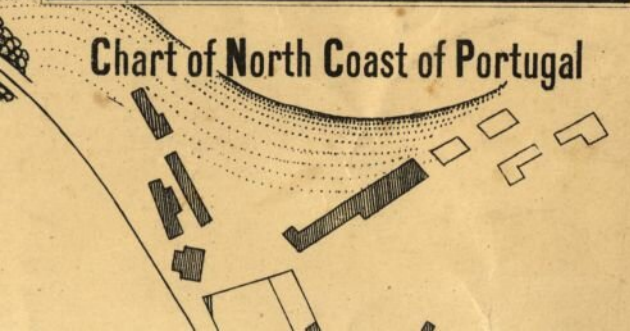


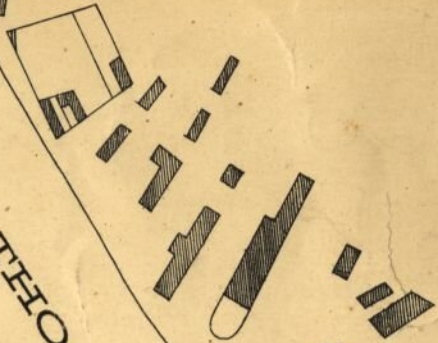
Chart of North Coast of Portugal



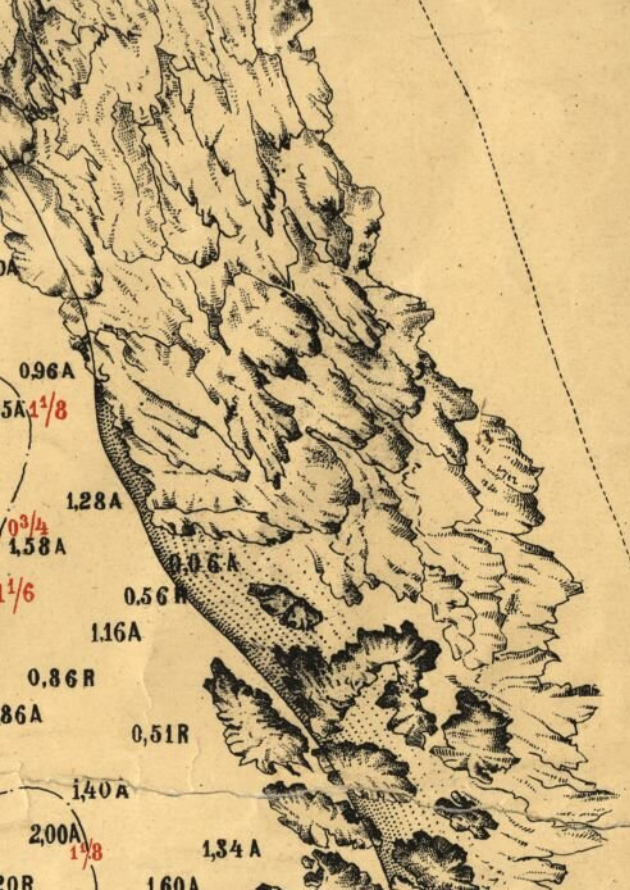


HIGH WATER MARK

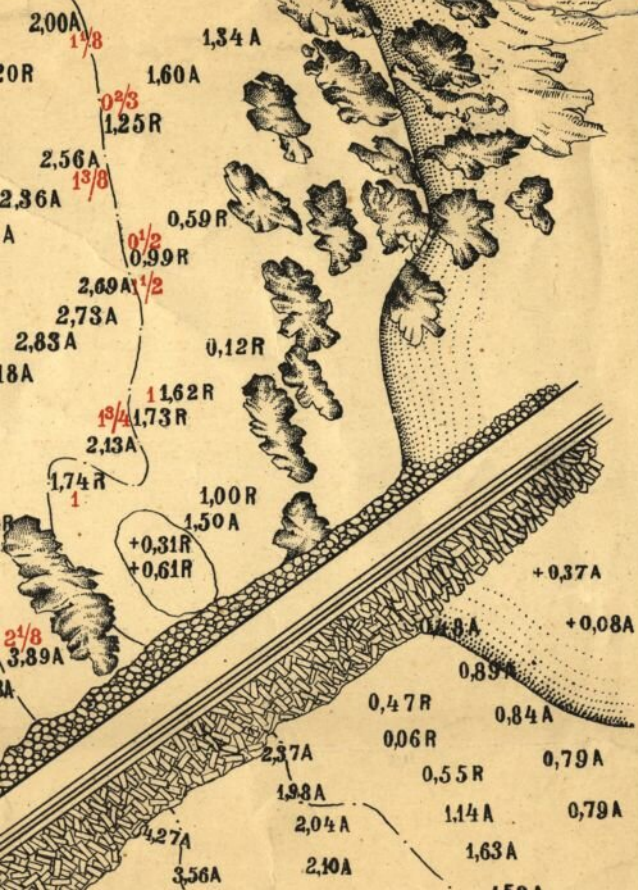
MATHIOSINIOS















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EMILIO BIEL & CA - PC

*its channel*

*Port*