

Declassified E.O. 12356 Section 3.3/NND No. 785021

Part of S. Stefano

10000/142/1227

To: JULY 45

HEADQUARTERS ALLIED COMMISSION
APO 374
TRANSPORTATION SUB COMMISSION

Tel. 290
Ref. AC/24.5/31/Tn6

HRB/evm
27 July 1945

SUBJECT: Report on the Port of Santo Stefano and the Canal
Leading to Montecatini Works at Gibbello Scale
and Facilities for Sea Transport of Phosphate to
Above Works

TO : 1. Mr. H. M. Bassanella, Chief
Ports & Warehouse Division

1. As directed, I proceeded to Santo Stefano in company with
Captain A. Tosi, Division Officer with Shipping Branch, Tn 3/C,
on Tuesday, 24 July 1945, arriving there about noon.

2. We immediately sought out Lt. Sordillo, Captain of the
Port, who was able to give us much information and who accompanied
us on our tour of the Port and the Canal, together with a Signor
Dedolcini, a Port pilot.

3. From information supplied by the Port Captain and the
Pilot and from our own observation, the following notes are
submitted:

Physical Aspects of the Port

A. Santo Stefano lies at the southern end of the Gulf
of Santo Stefano, nestling under the headland named Punta Lividonia
which protects it from south and westwinds.

B. There are two sections of the port named respec-
tively, Porto Vecchio and Porto Nuovo (see attached plan).

C. Porto Vecchio is a small bay sheltered at close
hand by Panchina Pilarella alongside which small schooners can
moor in 12 feet of water; part of this quayside is obstructed by
a sunken vessel marked (2) on plan. Vessels can anchor under the
lee of Panchina Pilarella in 12 fathoms of water and good holding
ground.

D. Port Nuovo, two or three cables to the eastward, is
formed by Rio Acetina in conjunction with the lie of the land,
and here is situated the temporary oil wharf and pipe-line used
for supply to shore installations (inland) of aviation spirit.
(K.B. is aware informed that no tankers have discharged here for

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over a month). This section of the port appeared to be ideal for the purpose in view, as large coasters could be moored stern on to the end of the oil wharf (as indicated on the plan) where they would discharge phosphate into lighters. The berth indicated is well protected at close hand by Molo Acetina with ample depth of water, at least 7 fathoms and good holding ground. Even with winds from a northerly or northeasterly direction, only exceptionally severe gales would interrupt work of discharge.

5. As, however, the lighters would have to be towed some two miles along the coast to enter the canal, rough weather from a northerly quadrant would inevitably hold up operations but we were informed that even during the season of strong northerly winds, i.e. January and February, these blow in strength on an average of only four or five days a month.

6. According to Pilot Pedroncini, it is quite safe and feasible for vessels to anchor and discharge into lighters off the entrance to the canal but, as the water shoals very gradually on this part of the coast, vessels would have to anchor about 1/4 mile offshore in about five to six fathoms water. This, however, would be a small anchorage in fine weather as it would require the tow from the lighters.

7. The canal at Ortonello, which is approximately 1/2 mile in length, appeared to be partially obstructed by a bridge (wood trestle structure) and sunken vessels and the question of regular dredging was also raised. When, in due course, we conferred with the Engineer, Elmer Callegari, of the Montecchini Factory at Ortonello.

8. He informed us that, although these partial obstructions existed and were dredging would be of benefit when the dredger became available, a tug had recently navigated the whole length of the canal without impediment, and he was therefore confident that the canal was in a sufficiently good state to permit resumption of barge traffic. He affirmed that these barges could pass through the wooden bridge previously referred to which had a lifting span.

9. Gear for discharge of coasters - Montecchini dispose of adequate gear, tugs, etc. for discharging phosphates using ships tackle.

10. Labor - (at Porto Santo Stefano) - the Port Captain stated that Despaglia virtually have 52 permanent port workers on their books and in addition can always muster some 4/500 casual laborers for port work.

11. Backpiling - There is space on Piazale Landi for some 700 tons, but this quayside is so badly obstructed by sunken

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vessels (see plan) that nothing can get alongside. Work now in progress of reconstruction of roads and buildings rules out other possible spaces for back piling.

D. Cranes - none.

E. Port Reconstruction - Work on repairs to and reconstruction of piers and moles, particularly Molo Acetina, is in full swing.

F. Harbor Craft

A. Barges - From inspection of the port of Santo Stefano, we proceeded to the Marine Engineering works at canal side at Orbetello, where some twenty barges and two tugs are lying. The barges, of wooden construction, are specially built and designed for use in the canal and are designed to carry approximately 50 tons on a draft of only 4 feet. These barges have a beam of only 14'6".

B. Tugs - One small tug boat, the "Drago", 55 h.p. draft 4'6", of wooden construction appeared to be in fairly good order and we were informed that she would be ready for service in about two weeks' time. Another small tug boat, the "Alcione", 80 h.p. draft 4'6", of steel construction, was merely a rusty shell with deck removed and only the boiler in position, the engines being completely dismantled, parts missing and remainder, including crankshaft, lying in the work shop on shore. I judged that some four to six months would elapse before this tug would be in commission again.

C. Dredger for canal - The dredger was seen to be in a dismantled condition and we were told that some of the main parts had been destroyed and are now being manufactured at Volonica Foundry & Engineering Works.

D. Proceeding to the Factory at Orbetello Scalo, we met Signor Goldengelo, the works manager, with whom we discussed the over-all position. We informed him that apparently his firm is very behind-hand with its repair program in respect of tugs, dredgers and barges. Signor Goldengelo admitted that they were behind and explained that with respect to the barges, there was a great lack of skilled carpenters. I pointed out that I had seen carpenters at work at Santo Stefano repairing salvaged war-owners but he replied that there were only five all told engaged in that work. There were, however, shipwrights and slip-way facilities on the island of Giglio some 12 miles away where he proposed to send a number of the barges for repair.

E. With regard to tugs, he stated that he hoped to obtain the release of the "Bellino" from S.O.I.C. Leghorn where she is

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at present but that they would require three tugs for the service, two for towing a two way service in the canal, the third, which they hoped to obtain on loan by intervention of Allied Commission, would be required for attendance on lighterage at the anchorage point of discharge of steamer.

8. We were informed that the rate of acceptance of tonnage at the factory berth on canal, where the discharge from lighter to storage shed is effected by chain bucket type elevator, is 500 tons per day and this, of course, would limit the maximum rate of discharge from steamer. Working three gangs into lighters, the Captain of the Port stated that this rate could be accomplished working some 9 hours, i.e. a rate of 150 tons per gang per 8 hour shift.

9. With regard to the dredger, the Manager stated that every effort would be made to obtain materials and get her re-commissioned for dredging. He was, however, able to give an assurance that, without dredging, the canal is at the present time navigable by tug towing loaded barges. A sketch of the canal course is attached.

10. Recommendations:

A. That Messrs. Montecatini be informed that they must expedite their repairs and arrangements for getting their floating plant (i.e. tugs, barges and dredger) into service and should inform this Division as soon as they are able to give a firm date of completion of sufficient craft (at least 3 tugs and 15 barges) to justify commencement of the service, by which time it may be possible to obtain the services of another tug through intervention of Director of Harbor Craft.

B. The number of barges which can be put into service by Montecatini, some 20 in all, is sufficient for the requirement of the service. In any case, it would be extremely difficult to find other barges which would be of suitable size and design for the canal.

A. C. Allman

A. C. ALLMAN
Ports Branch

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100-111

FROM: DIRECTOR OF MARINE (Maritime)

TO: 1. P.O. 111, 111

Date: 5/24/63

Ref: 50,2121

SUBJECT: REMOVAL OF MARINE SUPPLY OF MARINE

Applying to MAR/1117 of 12th Dec. 1961.

Present capacity of Port is as follows:

1. There is four 1/2 horsepower of 200/300 mm (diameter 1.5 m, max.) simultaneously and more to North Harbour jetties by tying off 5/8 inch and using more pieces to punch jetties.

2. Commercial operations cannot be carried out in North Harbour for the time being. No cement allowed but in the condition of the harbour, for now they must attempt to jetties on account of lack of bollards etc.

3. With the placing of mooring-buoys a 700/1000 tonnage with a maximum draught of 10 m. could be accommodated. Port is almost empty and at least two are required.

4. At the only jetties which could be used by lighters (Lanchester (Colombo)), an iron pontoon is now moored and in which is installed rigging for hoisting tugs. This pontoon should be moved.

5. To anchor ships moored in the harbour at least 10 lighters ("gallegantes") and two iron would be required to operate between the ship and Colombo jetties.

6. No tug is in the harbour, one of which is listed, which would be sufficient to handle 1000 tons.

7. The Montserrat Co. has 27 in No. 1 lighters (15-20 tons) which require refitting before they may be used.

8. Since by the Harbour Works Labour Act a provision for ship construction, which has to be taken from other provision besides. Oak and pine wood, barrel packing, pitch, zinc-coated metal and are automatically loading.

5/2/50

3. With the planing of mooring-buoys a 7000/3000 tonne with a maximum draught of 6 mts. could be accommodated. Port is without buoys and at least two are required.

4. At the only jetty which could be used by lighters (Barro Colorado), an area between 10 and 15 mts. in which is installed piping for unloading tankers. This position should be moved.

5. To unload ships anchored in the harbour at least 16 lighters ("pillegantes") and two "gas" would be required to operate between the ship and Colon jetty.

6. Two tugs are in the harbour, one of which is listed, which would be sufficient to handle foreign traffic.

7. The Montecristi Co. has 27 in No. lighters (45-60 tons) which require refitting before they may be used.

8. Santo Domingo Harbour lacks labour and materials for ship construction, which has to be taken from other maritime centres. Oak and pine wood, barrel packing, pitch, rim-painted nails and tar are noticeably lacking.

FOR CHIEF OF STAFF.

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TRANSLATION

- 1) Name of Port : Porto S. Stefano.
- 2) N° of anchorage berths available :
In the New Port it is impossible to anchor any vessels to the quays, because all of them are unusable and furthermore mooring posts and rings are missing.
- 3) N° and type of alongside berths available, giving minimum draft at each berth :
See N° 2.
- 4) Details of quays for submarines and lighters, giving minimum draft at each berth :
The only quay of the Old Port gives anchorage for three or four submarines at a time, each of capacity 200 to 300 tons with a maximum draft of 1 to 1.5 meters. The hull of a small sunken and partly floating submarine occupies a good part of the quay. By removing the above mentioned submarine it would be possible to use another 40 meters of thereabouts, where two more submarines might be anchored.
- 5) N° of heliport berths alongside and anchorage :
Actually there are 4 heliport berths. By removing the aforementioned sunken submarine two more berths would become available.
- 6) Number, type and capacity of warehouses for transit cargo :
As a consequence of the well known accidents on this Port, all the warehouses in the Port Area and thereabouts have been destroyed.
- 7) Local facilities :
 - a) N° and types of tugs :
At the moment the two following tugs are anchored in this Port :
British tug "LADY JANE"
Italian tug "CORADDO"
 - b) N° and types of lighters/barges :
There are none.
 - c) N° types and capacities of cranes and how operated :
i) Static :
ii) Mobile :
The Port has never had cranes or other mechanical lifting means.
 - d) Particulars of cargo handling gear available :
There is none.
 - e) Details of other gear available :
See letter d.
 - f) Details of any gear required which you cannot obtain locally :
It is not possible to give precise particulars about cargo handling gear available, as there is no actual Port traffic and thus no way to control the deficiencies.
 - g) Electric power :
Electric power is actually working with a nominal voltage of 220 volts.

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6) Number, type and capacity of warehouses (or transit sheds)
As a consequence of the well known attacks on this Port, all the warehouses in the Port Area and thereabouts have been destroyed.

7) Local facilities:

a) No. and types of tugs:

At the moment the two following tugs are anchored in this Port:

British tug "LADY JANE"

Italian tug "DRAGO"

b) No. and types of lighters/barges:

There are none.

c) No. types and capacities of cranes and how operated:

1) Static:

11) Mobile:

The Port has never had cranes or other mechanical lifting means.

d) Particulars of cargo handling gear available:

There is none.

e) Details of other gear available:

See letter d

f) Details of any gear required which you cannot obtain locally:

It is not possible to give precise particulars about cargo handling gear available, as there is no actual Port traffic and thus no way to control the deficiencies.

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g) Electric power:

Electric power is actually working with a nominal voltage of 220 volts, effective 160/100.

h) Details of wrecks of constructions, stating facility with which they can be removed and the extent of their effect on the operation of the port. What local personnel and facilities are available for repair and maintenance of Port:

From plan of the Port attached hereto, the wrecks and mills that obstruct the Port are visible (see No 15, 16, 17, 18, 19,). The labour to remove them might be entrusted to a Maritime Salvage Firm endowed with the necessary equipment. There is in this town a Salvage Company which owns a pontoon with pumps, divers and technical personnel sufficient to remove all the wrecks in the Port. Furthermore there are two Cooperatives of building constructors which could arrange the maintenance of the Port.

i) Conditions of quays and roads:

The quays and roads have suffered very heavy damage. Following can be seen from the attached plan.

Porte Nuevo Mala Ceting:

This pier has been hit on two points for a total length of about 70 meters. It has suffered a level lowering of about 1 meter on its whole length, caused by the large number of bombs exploded nearby.

Quays/.....

Manchima, Sede Celeste :

This quay has been almost totally destroyed, apart from a length of about 70 meters which are in fairly good conditions. For this length the depth reaches a maximum of 2.70 meters. At the present moment it is exclusively used by a local American unit which has anchored the iron pontoons on which the pipes of the pipeline run for unloading fuel.

Manchima, Sede :

This quay has been partly destroyed and partly lowered on a level of one meter.

Pennelle del Porto Arturo :

Has been entirely destroyed and sunk.

Melette di discesa della Darsena del Valle :

Interrupted on the points on the length of about 20 meters. The planking has been completely carried off.

Manchima della Darsena del Valle :

Almost entirely destroyed.

Reade :

The average length of the roads in the Port area is about 300 meters. They are at the moment, in very bad condition owing to the great number of holes caused by bombs.

10) Condition of rail clearance from Port Area :

The development of the rail network was of about 300 meters. At the moment it is completely out of use.

11) Estimated daily rail clearance :

See No 10.

12) Estimated immediate daily discharge capacity through port, with existing facilities and available draft :

Keeping in mind that at the present moment it is only possible to unload by scoopers, for each vessel 60 tons goods daily or thereabout can be unloaded.

13) Estimated daily discharge capacity through port, after suitable repairs have been effected.

When the necessary repairs to the Port have been effected and the obstructing wrecks removed, it will be possible to unload 800 to 1000 tons of mixed goods for each vessel, whilst this amount would have to be reduced by half, for baled goods.

R. OFFICE CONSULTANTS BAKING

PORTO S. STEFANO

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parte, essendo affiancato alla banchina, ne occupa un buon tratto. Rinnuovando il predetto molo si utilizzerebbero altri 40 mtr. circa di banchina ove potrebbe essere eretti altri due Motorvelleri.

5) N° dei posti d'ormeggio lungo la banchina e ancoraggi attuali per Motorvelleri n° 4, rinnovando lo scalo affiancato di cui al n° 4 si potrebbe disporre di altri due ormeggi.

6) N° tipo e capacità dei magazzini per carichi in transito. In seguito ai noti bombardamenti subiti da questo Porto tutti i magazzini di deposito merci esistenti nell'ambito Portuale e vicinante sono andati distrutti.

7) Attrezzature locali

a) N° e tipo di rimorchiatori: Attualmente sono dislocati in questo Porto i seguenti rimorchiatori:

Rimorchiatore Inglese **ALAN JAMES**

" " Italiano **ARMANDO**

b) N° e tipo di chiatte e moli: Non si dispone di chiatte e moli.

c) N° tipo e capacità delle gru - loro funzionamenti: Il Porto non ha mai avuto grù e altri mezzi necessari al sollevamento.

d) Particolari circa l'attrezzatura meccanica per movimento carichi non esiste alcuna attrezzatura meccanica per movimento carichi.

e) Dettagli circa altre attrezzature meccaniche: Vedi lettera d)

f) Dettagli circa ogni attrezzatura meccanica che non potesse essere sul luogo: Non è possibile fornire dati in merito non essendo in attuale alcun traffico Portuale e per tanto non si possono rilevare deficienze di mezzi.

g) Energia Elettrica: L'energia elettrica attualmente è in opera con voltaggio nominale di 220 volts, effettivo 160/180.

8) Dettagli circa relitti ed estralenti, attrezzature con le quali essi possono essere rimossi. Portata del loro effetto sulle operazioni del Porto. Qualc personale del luogo e attrezzature sono disponibili per riparare e provvedere alla manutenzione del Porto. Dalla pianta del Porto alligata si possono rilevare i relitti e gli scavi effettuati nel Porto nonché quelli che danno intralcio al traffico Portuale (vedi n° 15-16-17-18-19-). Per la rimozione degli stessi si potrebbe affidare il lavoro ad una Ditta di recupero Marittimi dotata di mezzi necessari. In questa sede esiste una Compagnia di Ricupero dotata di pontone con bigo, ponte di scaricamento, palombari e personale tecnico sufficienti per rimuovere tutti i relitti esistenti nel Porto. Esistono inoltre 2 Cooperative di Contrattori edili attrezzate per provvedere alla manutenzione del Porto.

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9) Stato delle banchine e delle strade: Le banchine hanno subito forti danni. Della pianta alligata si può rilevare quanto di esso è stato preso in considerazione.

Porto Nuovo Golo D'Arina: Il predetto solo è stato colpito in due punti per una lunghezza complessiva di circa 70 m. Le scorie sono per tutto la sua lunghezza, a causa del rilevante scavo di ben 10 metri nelle vicinanze, ha subito un abbassamento di circa 1 m.

Banchina Area Colombo: La predetta banchina è stata tutta distrutta tranne un breve tratto di circa 70 m. che risulta in diverse parti. In corrispondenza di tale tratto i danni risultano essere un massimo di m. 2,70. Attualmente è utilizzato esclusivamente dal Comando Aeronautico per servizio di carburante eventuale, grazie a pontoni in ferro sui quali corrono i tubi del pipeline.

Banchina Gaddi: La predetta banchina è stata in parte distrutta ed in parte ha subito un abbassamento di circa 1 m.

Pennello del Porto Arturo: Il predetto pennello è stato completamente distrutto e rovesciato.

Molotto di difesa della base del Valle: Interrotto in due punti per una lunghezza di circa 20 m. La testata è completamente separata.

Banchina della base del Valle: Quasi tutta distrutta.

Strada: La lunghezza complessiva delle strade nella zona Portuale è di m. 100 circa. Attualmente sono in pessime condizioni di viabilità per le numerose buche provocate da scoppi di bombe.

Condizioni per la cabotaggio: L'armamento della zona del Porto, lo sviluppo della rete ferroviaria di questo Porto era di circa 100 m. Attualmente tutta la rete è inutilizzabile.

10) Armamento ferroviario che si presume possa ancora essere giornaliero: Vedi al n° (10)

11) Presunta capacità immediata di servizio giornaliero attraverso il Porto mediante l'interferenza esistente e le risorse disponibili: Tenendo presente che attualmente è possibile effettuare operazioni di sbarco soltanto con Motocicli, per ogni motore si possono calcolare circa 60 Tonn. di aerei da poter sbarcare giornalmente.

12) Presunta capacità di servizio giornaliero attraverso il Porto dopo aver effettuato la necessaria ripulitura: Dopo aver effettuato le necessarie ripuliture alle opere Portuali e ricorsi i relitti che danno intralcio al traffico Portuale, per ogni Fiume si possono calcolare circa 800/1000 Tonn. di aerei alla rinfusa da poter sbarcare giornalmente, mentre invece per aerei imbarcati la predetta cifra andrebbe ridotta a circa 100 Tonn.

13)

parte ha subito un abbassamento di circa 1 mtr. Tunnello del Porto Arturo: Il predetto tunnello è stato completamente distrutto e sommerso. Muletto di difesa della Dorsina del Valle: Interrotto in due punti per una lunghezza di circa 20 mtr. La testata è completamente asportata.

Banchina della Dorsina del Valle: Quasi tutta distrutta. Strada: La lunghezza complessiva della strada nella zona Portuale è di mtr. 500 circa. Attualmente sono in pessime condizioni di viabilità per le numerose buche provocate da scoppi di bombe. Condizioni per lo esistente Ferrovuario della zona del Porto: Lo sviluppo della rete ferroviaria di questo Porto era di circa 300 mtr. Attualmente tutta la rete è inutilizzabile.

Manutenzione ferroviaria che si presume possa avvenire giornalmente: Vedi al n° (10).

Presunta capacità immediata di scarico giornaliero attraverso il Porto mediante l'attrezzatura esistente e le macchine disponibili: Tenendo presente che attualmente è possibile effettuare operazioni di scarico soltanto con Motorizzatori, per ogni munito di peso calcolare circa 60 Tonn. di merce da poter scaricare giornalmente.

Presunta capacità di scarico giornaliero attraverso il Porto dopo aver effettuato le necessarie riparazioni: Dopo aver effettuato le necessarie riparazioni alle opere Portuali e rimossi i relitti che danno intralcio al traffico Portuale, per ogni Portuale si possono calcolare 800/1000 Tonn. di merce alla rinfusa da potersi scaricare giornalmente, mentre invece per merce imballata la predetta cifra andrebbe ridotta a circa la metà.

Porto S. Stefano, 5 Febbraio 1945

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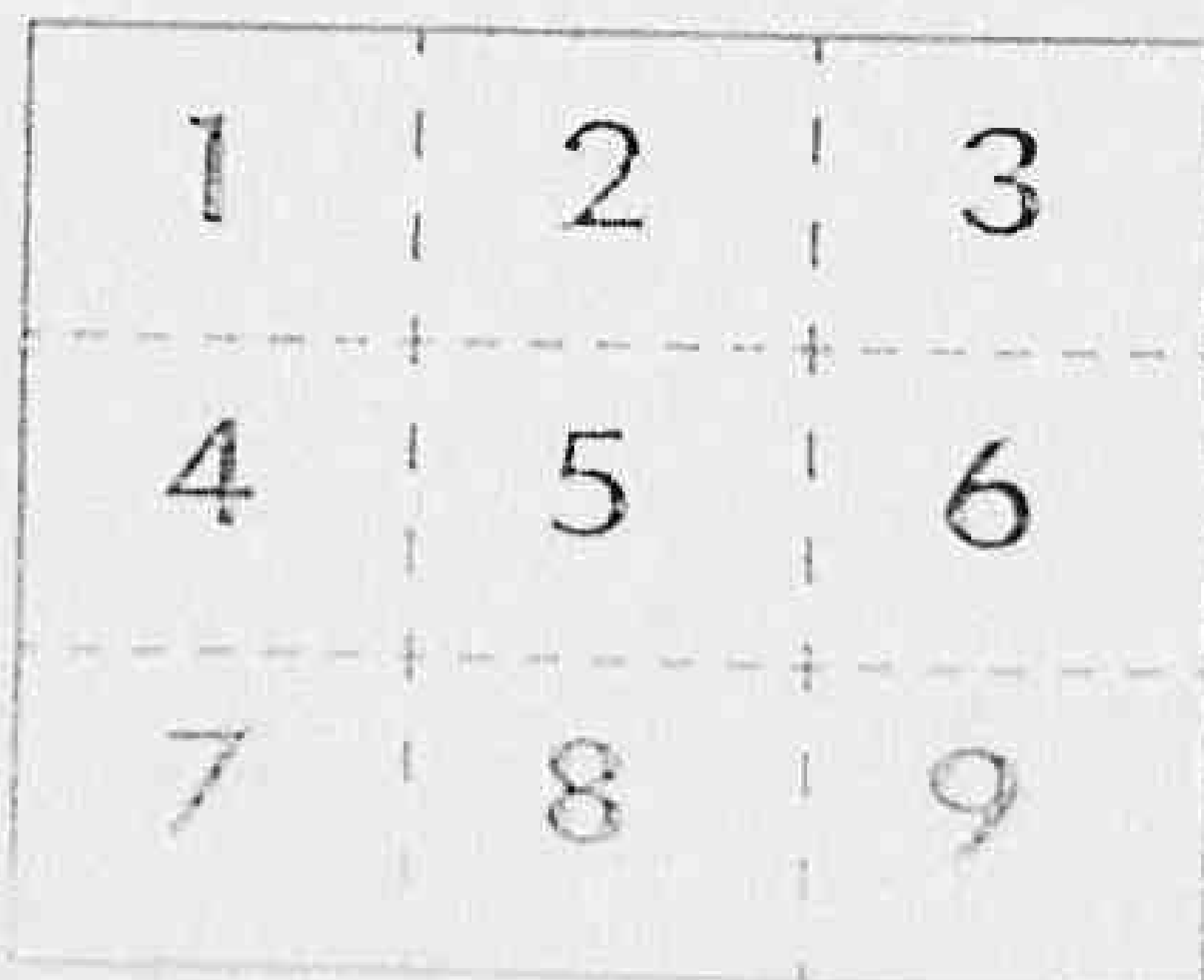
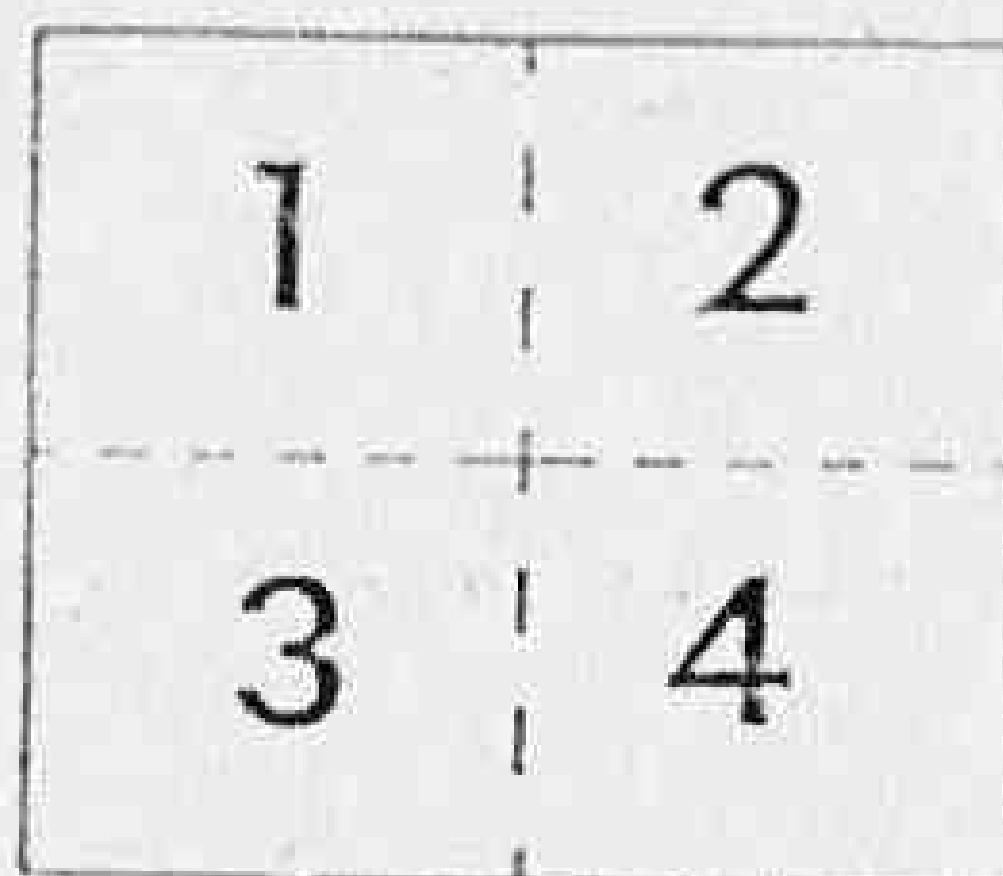
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CONFERMAZIONE

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PIAZZALE

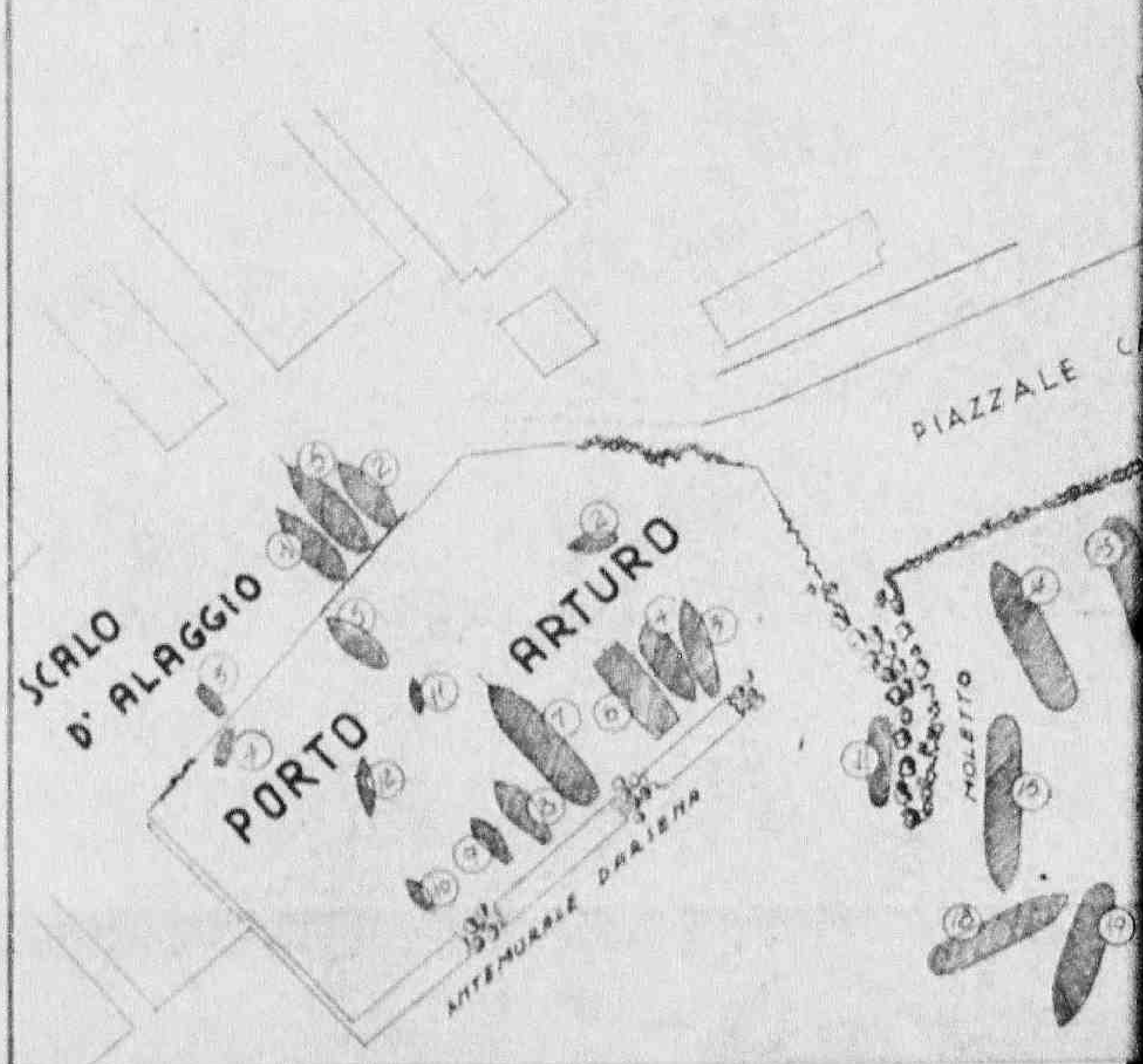
SCALO
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ANTENNALE DRAIENA

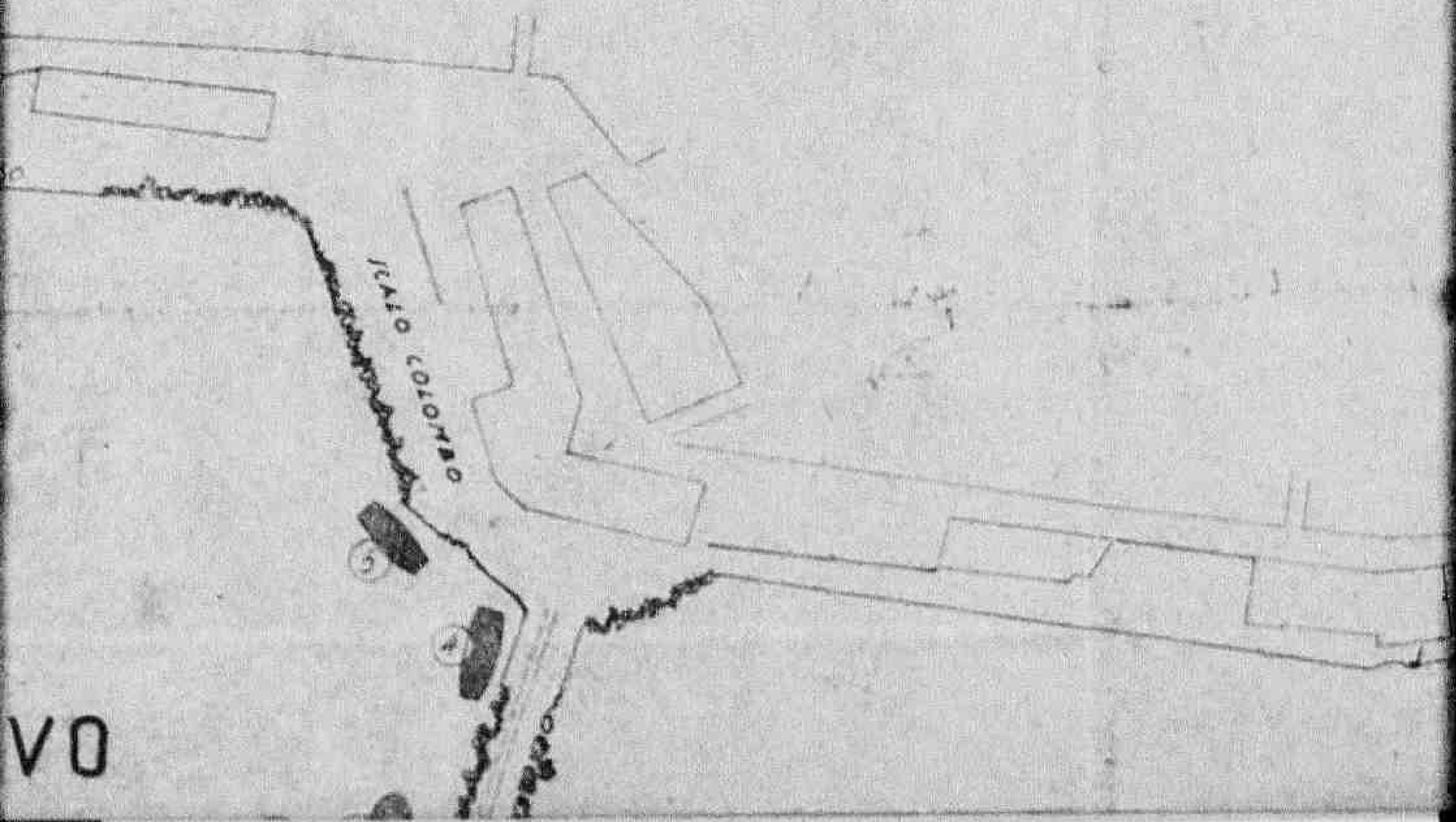


TO S STEFANO



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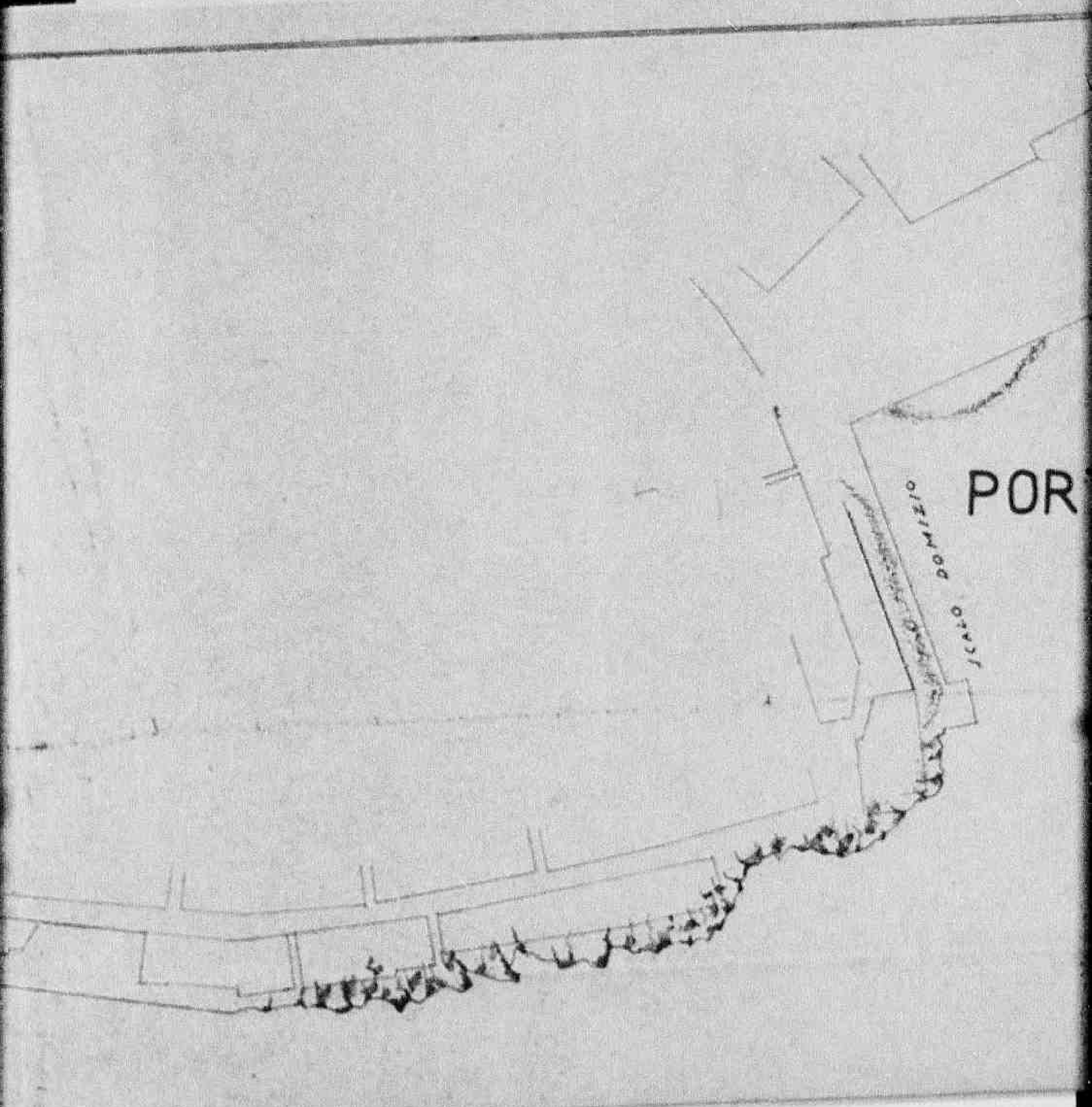
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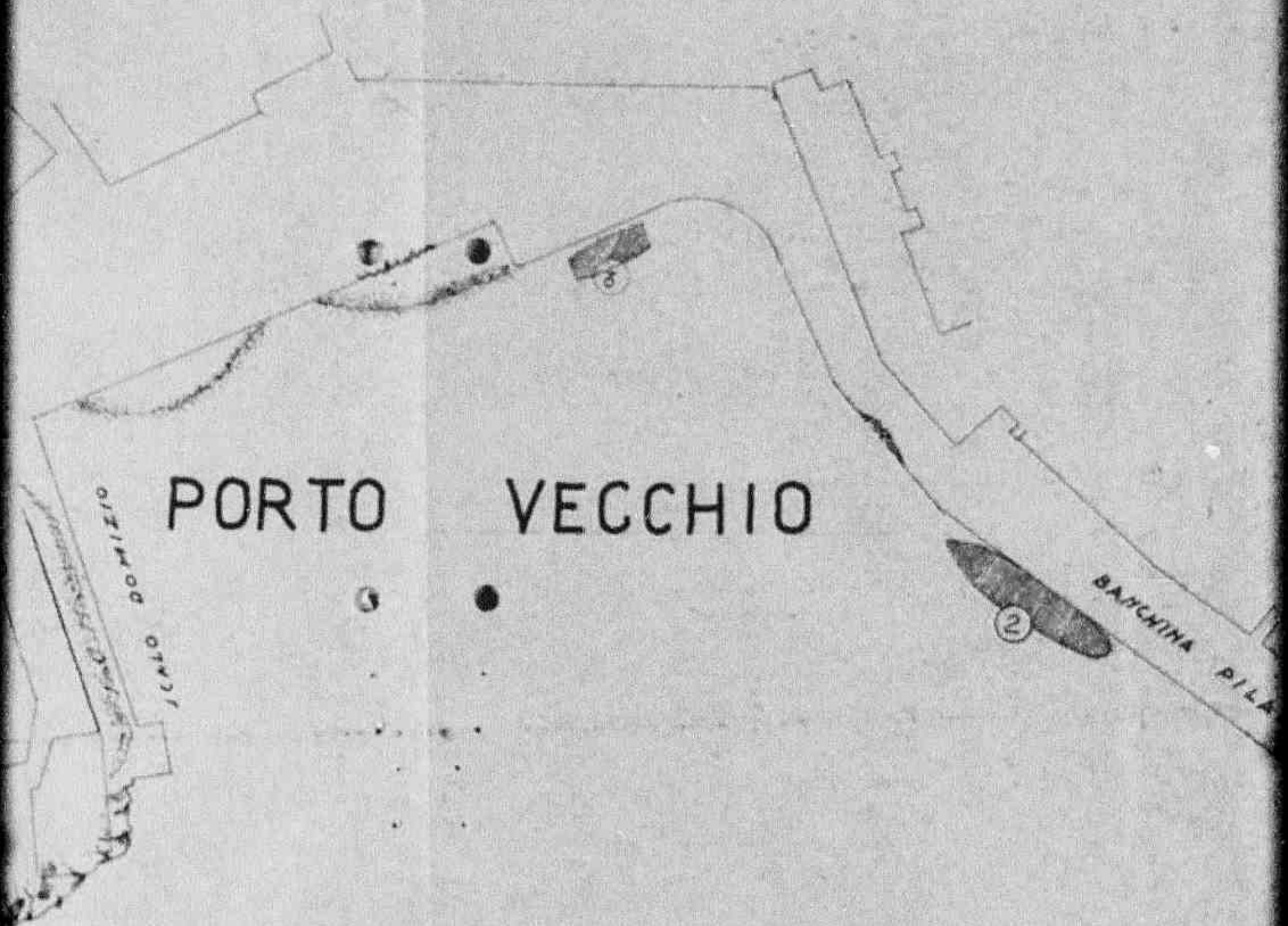
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PORTO VECCHIO



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CCHIO



BATCHINA PILARELLA



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ORAS

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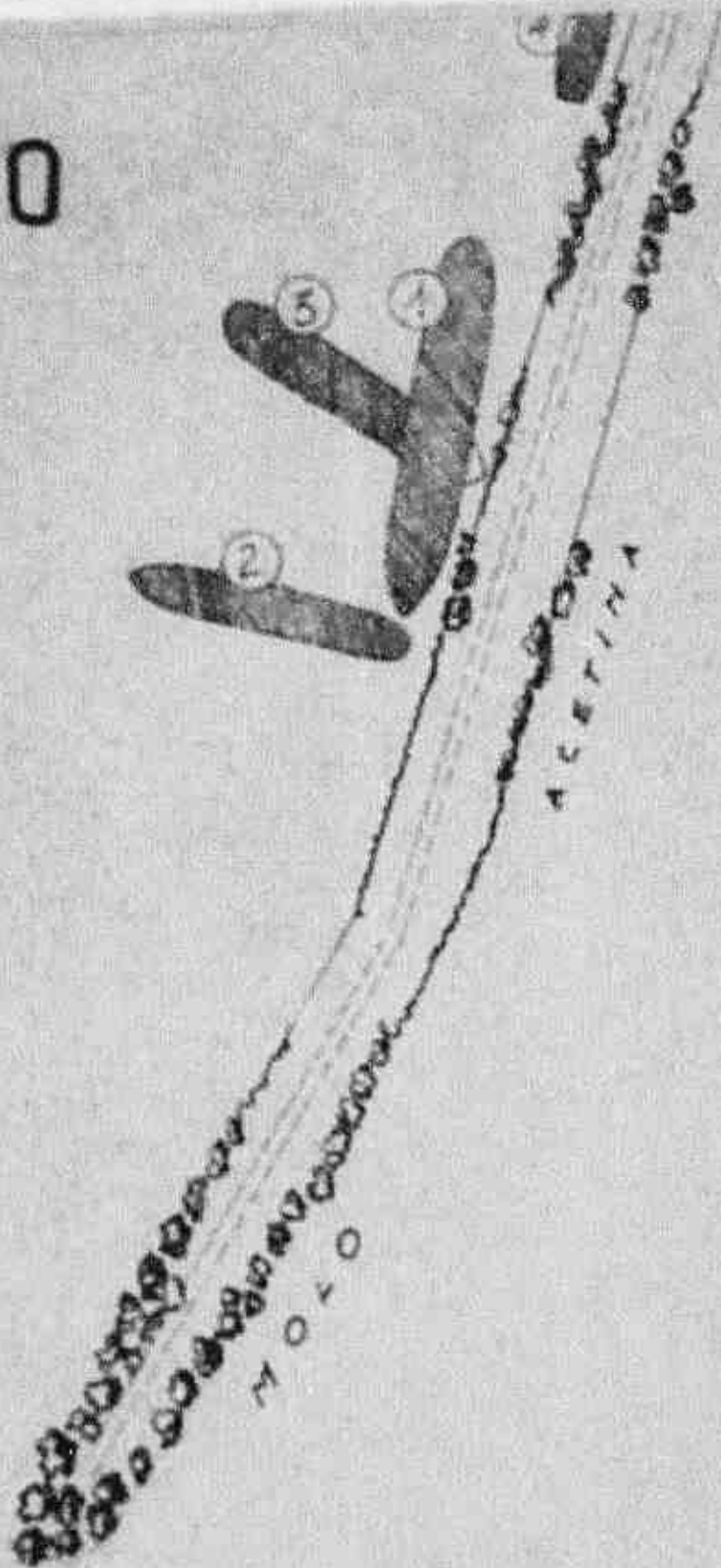
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PORTO NUOVO

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NUOVO



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MOLETTO
CAPITANERIA DI POATO



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