

PART II - SECTION A - DESCRIPTION OF THE FORT

18 May 45.

1. HISTORY OF THE FORT

1879 a Battery of M.L Guns was established at Macaulay Point at the same time guns were mounted at Finlayson Point and Brothers Island.

For some time in the 90s Fort Macaulay was manned by personnel of the R.M.A who were later relieved by the R.G.A.

On 5 Nov 1898 the 5th (BC) Coast Regiment Cdn Artillery used the new Six inch H.P Guns in firing practice.

About 1906 Fort Macaulay was taken over from the R.G.A. by the R.C.G.A.

On 2 August 14, the Fort was manned by No. 2 Coy, 5 Regt C.G.A. under Major, H.H Woolison and he continuously manned this Battery until the end of the Great War of 1914 - 1918.

In 1926 the 12 Pdrs. guns from Fort Duntze Head were moved to a new position in front of the 6" guns. This was to facilitate the annual gun practice carried out on the 6" and 12 pdr of the 5 (BC) Coast Bde. C.E.A.

Soon after the Great War the 6" Disappearing guns were replaced by 6" Q.F. Guns taken off H.M.C.S Rainbow.

About 1936 these guns were again replaced by 6" MK VII B.L.

On 26 Aug 39 Fort Macaulay was manned by personnel of the 2nd A.A Bty RCA attached to 5 (BC) Coast Bde. RCA NPAM, Major G. Paulin RCA in Command, later changed C.A.S.F. On 15 Sep 40 the 60th Coast Heavy Battery RCA (AF) took over the Fort (Major R.E.A Diespecker, E.D. RCA) in Command.

On 11 June 1940 the 12 Pr Guns were moved to Duntze Head Fort.

Subsequent Battery Commanders have been Major A.L Foreman, Major R.R Ward and Major W.R Cross.

On 30 Apr 45 word was received from NDHQ that this Battery would cease to perform an Operational Role thus ending 2074 days of service in World War II without having to fire a shot in anger.

W.R. Cross
(W.R Cross) Major RCA
Officer Commanding
60th Coast Battery RCA CA

3. DETAILS OF GUNS AND MOUNTINGS (6 - inch)

MACAULAY BATTERY

17 May 45

Section letter and number -	F/1	F/2
Registered numbers Guns	1339	1027
Mountings	A2043	A2042
Marks Guns	B.L. 6" Mk VII Wire	
Mountings	Mk II C.P.	
Date of Manufacture Guns	E.O.C. 1901	R.G.F. 1899
Mountings	R.C.W. 1909	R.C.W. 1909
Limits of Elevation F.C.	16°09' (6crh 14,400 yds) (2crh 11,400 yds)	16° 17' (6crh 14,700 yds) (2crh 11,700 yds)
Limits of Depression	5° 48'	3° 55'
Blast Angles - Guns are far enough apart to eliminate effect of blast.		
Shell, Wave Angle - 6 degrees		
Height above M.S.L.	48.96 feet	48.96 feet
Wear (1" from commencement of rifling)	0.027	0.0405
M.V.'s (Calibration June, 1939)	2551.5 f.s.	2543.75 f.s.
Distance between guns	98.45 yards	
Fuca Grid Co-ordinates	273583.80 - 151704.00	273681.20 - 151688.64

(False Datums see Page 68)

(See Co-ord list marked "Secret" Page 69)

NOTE: "See plan in front pocket"

W.R. Cross
 (W.R. Cross) Major, RCA, CA.,
 Officer Commanding,
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36

FORT RECORD BOOK
60TH COAST BATTERY, RCA-(CA)
MACAULAY BATTERY

DETAILS OF 6-Pdr. GUN AND MOUNTINGS

MACAULAY BATTERY

17 May 45

Registered Number	Gun 502		
Registered Number	Mounting 97		
Mark	Gun	Ordnance Q.F. 6-pdr.	Mk. I
	Mounting		Mk. I
Date of Manufacture	Gun 1890		
	Mounting 1917		
Limit of Elevation	24° 16'		
Limit of Depression	4° 9'		
Blast Angle	Blast not dangerous at any angle.		
Shell wave Angle	Negligible		
Height above M.S.L.			
Wear	1" from C. or R. Mean .010 inches		
M.V.			
Mounting Tested	9 Nov 39 with 3 rounds		
Cartridges Q.F. with shot	6-pdr. Cordite W.S. C. Mk XLII W/L Lot no. W.A.C. 253 D.A.Q. 15 Feb 38 8 ozs. 11½ drams. Primer No. 2 Mk. VII		
Horizontal	Recoil 4 inch	Runout Normal	
25° 16' Elevation	Recoil 4 inch	Runout Normal	
38° 24' Depression	Recoil 4 inch	Runout Normal	

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PART I SECTION G DETAILS OF EQUIPMENT

MACAULAY BATTERY

17 May 45

1. DETAILS OF RANGE-FINDERS (See also page 4)

Nature - Depression

Height above M.S.E. - 74.47 feet

Mark - V

Registered number - 37

Guns Served - F/1 F/2

Displacement of guns - F/1 - 229.3 feet

F/2 - 288.7 feet

Bearing from guns --- F/1 - 33° 41' 01.7"

F/2 - 325° 08' 08.7" ?

Limits of bearing and range - Bearing 360°, Arc of Fire 100°- 283° Range - 1800 yds. to 14,400 yds. including plus or minus 600 yds.

Means of passing target data - Dial Mechanical E. Mk I

No means of passing bearings

Secondary Means - Range Indicator Dial

Observation post in which installed - B.C. Post Macaulay Fort.

DATUMS

BROTCHIE LEDGE

ALBERT HEAD

Range

2283.0 yards

6748.4 yards

Bearing

129° 52' 23.0"

234° 00' 42.2"

(See Co-ord list marked "Secret" page 69)

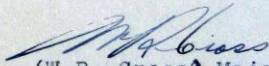
W.R. Cross
(W.R. Cross) Major, RCA, CA.,
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17 May 45

PART I. SECTION E. ----- OPERATIONS

1. Macaulay Battery acts as an examination and close defence Battery in conjunction with the other batteries, including Albert Head, when the latter is employed as a C.D. Battery. The object of the Battery in a C.D. and examination role is to defend the approaches to Victoria Harbour against attacking vessels and prevent unidentified craft from passing the Examination Line.

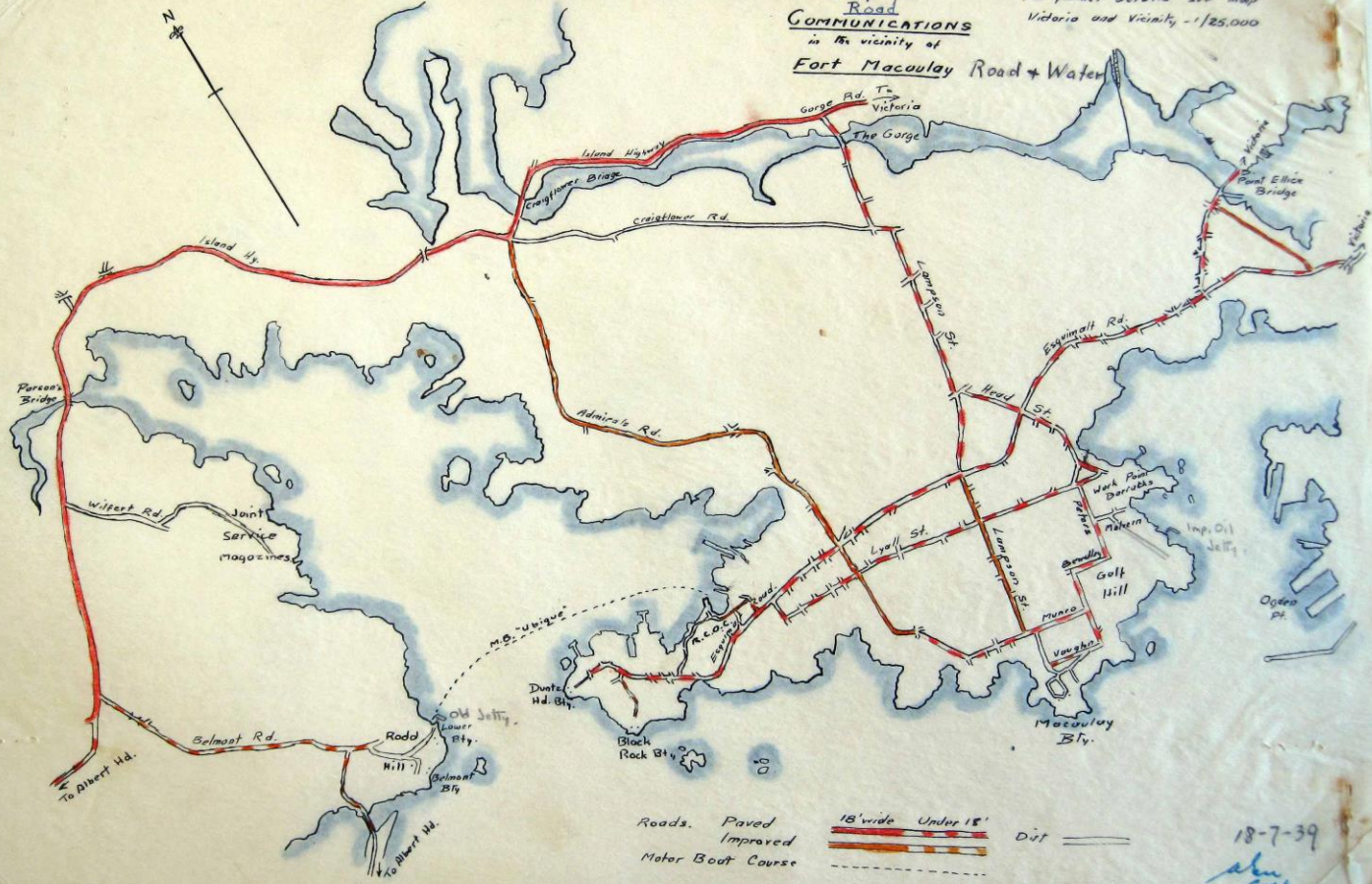
The Battery has a maximum range with two 6in. B.L. of 14000X and with one 6 pdr. Hotchkiss (mounted separately as a "stopping gun") a maximum range of 8900X.


(W.R. Cross) Major, RCA, CA.,
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PART I Section D 6

Map of Road COMMUNICATIONS in the vicinity of Fort Macaulay Road & Water

For further details see map Victoria and Vicinity - 1/25,000



Roads. Paved
 Improved
 Motor Boat Course
 18' wide
 Under 18'
 Dirt

18-7-39
 A. C. E. C. L.

PART I

SECTION B

ARMAMENT

S/L

17 May 45

3. No. 10 - Saxe Point

Nature - 1 - 60 in. concentrated beam

Arc of fire - Bearing 101° to 276°

Effective range - 7500 to 14000 yds depending on atmosphere conditions.

Dead Water - Behind Albert Head, bearing $234^{\circ} 42''$?


No. 11 - Harrison Point

Nature - 1 - 60" concentrated beam

Arc of fire - Bearing 94.5° to 269°

Effective range - 7500 to 14000 yds. depending on atmospheric conditions

Dead Water - Behind Albert Head, bearing $234^{\circ} 42''$?


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PART I

SECTION B

ARMAMENT

MACAULAY BATTERY

17 May 45

7

1. RANGEFINDERS (See also Part I Sec. G1)

Nature - Depression Mk V


Arc of fire - $112^{\circ} 40.5'$ to $281^{\circ} 27.5'$

Effective Accuracy limit - 2970 yards. 4000 yards for every 100 feet in height. X

Extreme range 14,400 yards

Mirage is often great, causing large errors in range-finding.

Dead Water - There is a small amount of dead water behind Albert Head
at a bearing of $233^{\circ} 30'$


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8

PART I

SECTION B

ARMAMENT

MACAULAY BATTERY

17 May 45

2. GUNS

MACAULAY BATTERY

Nature - 2 - 6 inch B.L. Mk. VII Guns on C.P. Mk II Mountings.

Arcs of Fire - Seawards F/1 115° to 300°

F/2 77° to 298°

Both guns can traverse through 360° and may be used for landwards firing.

Auto Sight Limits - Cruiser 3,450 yards

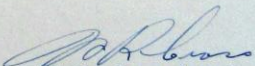
Destroyer 2,400 yards

Submarine 2,100 yards

Dead Water - Behind Albert Head (bearing $234^{\circ} 00' 42''$)

Behind Beacon Hill (bearing $115^{\circ} 00' 00''$)

1 - 6 pdr. Q.F. used for stopping rounds - Maximum range 6000 yards.


(W.R. Cross) Major, RCA, CA.,
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60th Coast Battery, RCA, CA.

VICTORIA AND ESQUIMALT FORTRESS
PREFACE

8 Jun 45

5

THE Victoria and Esquimalt Fortress is situated on the South coast of Vancouver Island, in the immediate vicinity of Victoria, and covers the coast line from Church Hill on the eastern shore of Beecher Bay to Discovery Island.

It consists of the following Forts manned by the 5th (BC) Coast Regt RCA CA:

Fort Christopher Point	(8 in U.S)	At Christopher Point West of Race Rocks.
Fort Mary Hill	3(6 in)	At Mary Hill just West of William Head.
Fort Albert Head	3(9-2in)	At Albert Head between William Head and Esquimalt Harbour.
Fort Belmont.	(6 PR Twin)	At Rod Hill on the West shore of the entrance to Esquimalt Harbour.
Fort Duntze Head.	(6 PR Twin)	At Duntze Head on the East shore of entrance to Esquimalt Harbour.
Fort Black Rock.	(12 PR)	At Black Rock on east shore Esquimalt harbour.
Fort Macaulay.	2(6 in)	At Macaulay, Sailor Point between Esquimalt and Vic harbour,
Fort Golf Hill	(12 PR)	At Golf Hill between Esq. and Vic harbour, just East of Fort Macaulay.
Fort Ogden Point.	(12 PR)	On West end of Ogden Pt Dock, just inside of Breakwater.

The Fire Commander's Post is situated at Triangular Mt.

The 2 6-in batteries fill a close defence roll and the 9-2 in battery at Albert Head and the 8 in Bty at Christopher Point in counter-bombardment. The light guns of the inner Defences are a safe guard against M.T.R attacks on the entrance to the harbour.

The two Batteries, Mary Hill and Macaulay, are examination Batteries, working in conjunction with the Naval Examination Vessels and the two War Ports Signal Stations at Church Hill and Discovery Island.

All Works are armed with Bren guns against air attack, these being manned by Detachments from the Batteries.

All Works are connected by good second class roads and communication is kept up by radio and telephone, undersea cable being used between the Forts, Defence Electric lights are installed for each Battery and manned by S/L Detachments.

The Defence Electric Lights are distributed as follows:

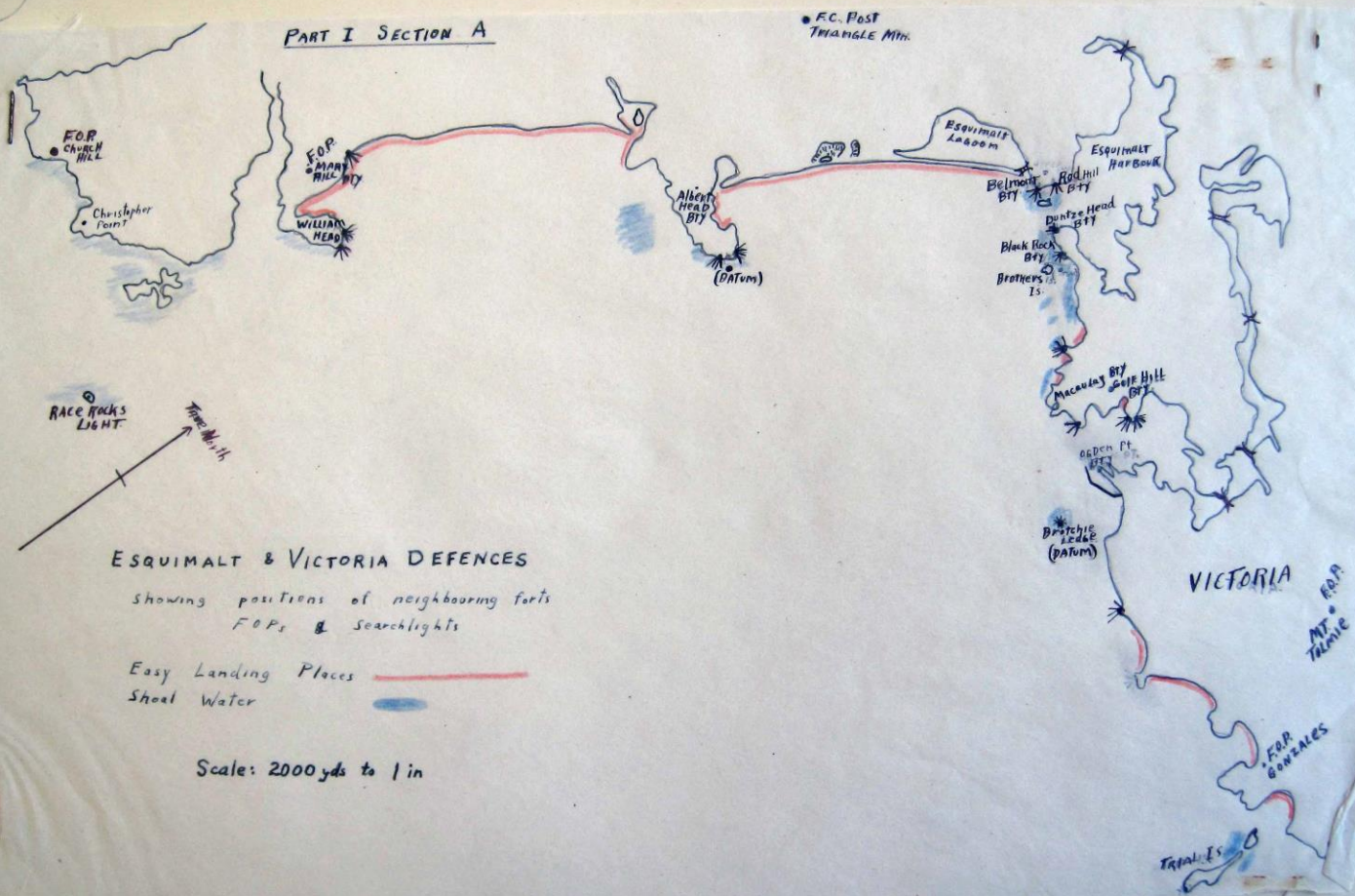
William Head	2	McLaughlin Point	2
Parry Bay	1	Holland Point	2
Albert Head	2	Clover Point	2
Rodd Hill	2	Saxe Point	1
Duntze Head	2	Harrison Point	1

The purpose of the Fortress is to defend the R.C.N Base, Government Drydock, and the Ordnance Stores, etc., in the harbour of Esquimalt and the commercial port of Victoria. Also in conjunction with U.S Defences, to guard the St of Juan de Fuca which is the gateway to other Western Canadian and American Ports.

W.R. Cross
(W.R. Cross) Major RCA
Officer Commanding
60th Coast Battery RCA.

4

PART I SECTION A



17 May ~~AE~~ 1945

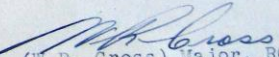
MACAULAY BATTERY

P R E F A C E

Macaulay Battery is a low-sited earthwork at Macaulay or Sailor Point at the entrance to Victoria Harbour. Its armament consists of two 6-inch B.L. Mk. VII guns on C.P. Mk. II mountings 48.96 feet above mean sea level. There is also a 6 pdr. gun between the two 6-inch guns, and slightly nearer to the sea, which is used to fire stopping shots required in the Examination Service.

The Battery is surrounded by a barbed wire entanglement. In the area outside the fort are a number of frame buildings used as barrack rooms, messes, etc., and a galvanized iron shed. A concrete wireless transmitting station is sited at the north end of the parade ground. The whole area is surrounded by an unclimbable steel fence. (See plan).

Macaulay Battery is a close defence battery and serves as one of the examination batteries for the fortress.


(W.R. Cross) Major, RCA, CA.,
Officer Commanding,
60th Coast Battery, RCA, CA.

Part 1

 Chart

Duntze Head.

Sections

Subsections

SALT LAGOON

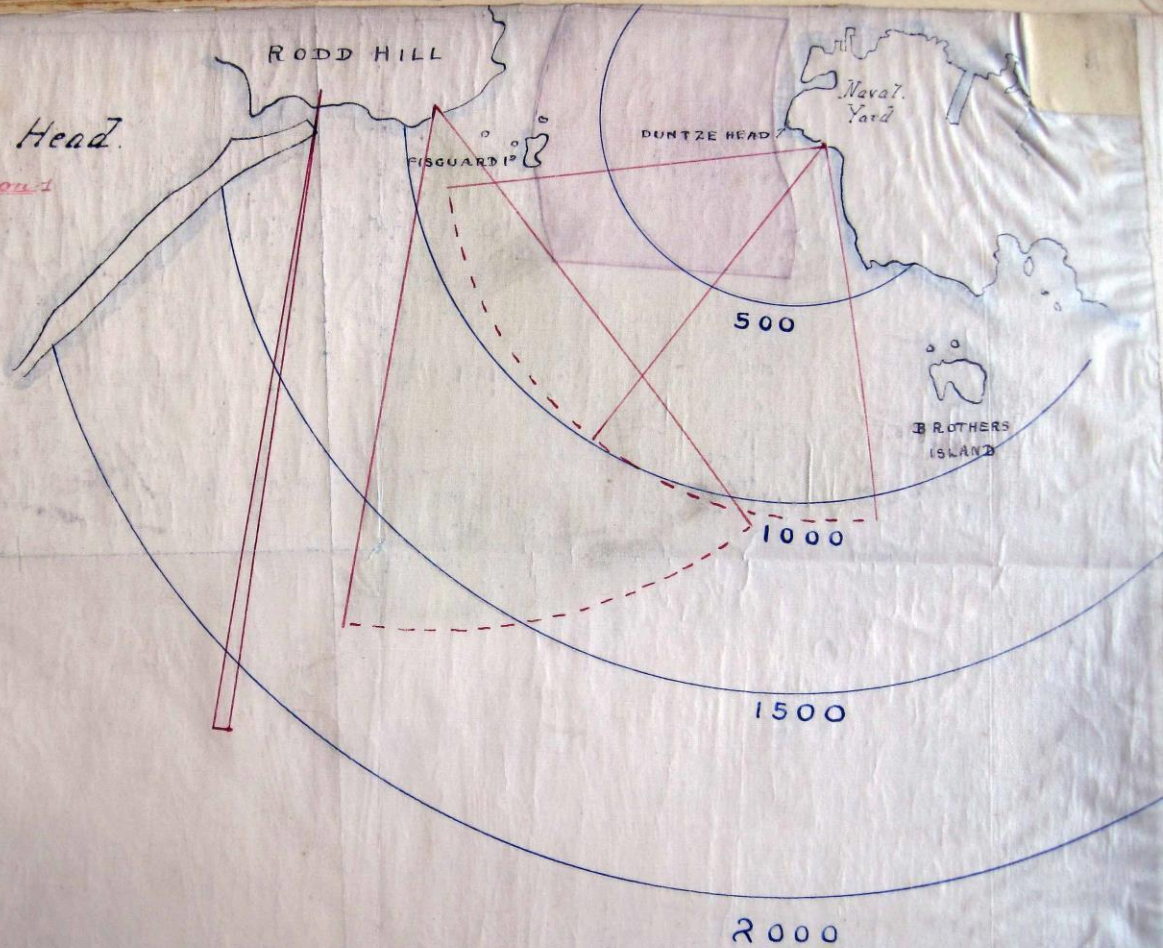
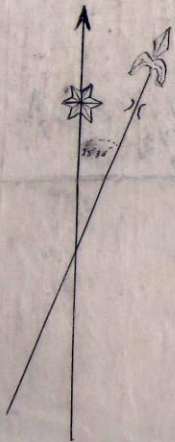
RODD HILL

FISGUARDI P.

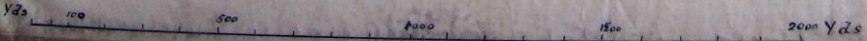
DUNTZE HEAD

Naval Yard

BROTHERS ISLAND



Scale Six Inches to One Statute Mile



Mine Field Red.
Electric Light Yellow

Section 1

Part 1

Sub Section 1

1

FIRE COMMAND CHART

