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THE ELECTROLYTIC ZINC COMPANY OF AUSTRALASIA, LIMITED.
West Coast Department

GEOLOGICAL DEPARTMENT

F I R S T

Report.

on

PINNACLES

Silver - Lead - Zinc

North Floman

Graham Hall

June, 1947

BP1

P. 5

TCR 02-4793

882002

THE ELECTROLYTIC ZINC COMPANY OF AUSTRALASIA, LIMITED.
West Coast Department.

MEMORANDUM FOR:

Mr. F. G. Burns. *Supt*
ROSEBERY. *Ez.*

"PINNACLES" LEAD-ZINC.

Attached please find ^{*second*} first Report on the above.

Copies have been made for:-

The Managing Director.

File Copies (2) ✓

G.H.

Rosebery, 28.7.47.

THE ELECTROLYTIC ZINC COMPANY OF AUSTRALASIA LIMITED.
West Coast Department.

PINNACLES - SILVER LEAD ZINC

S U M M A R Y

The Pinnacles was visited on the 12th - 14th May, to ascertain if the mineralised zone warranted further testing.

To permit access, a three mile foot track has been cut from Chester to the Pinnacles, and the Pinnacles workings, which were badly overgrown, have been partly cleared.

A preliminary survey and geological examination have been made. Results indicate that the southern most exposure, a 25 ft. wide ore formation carrying silver lead zinc ore, deserves exploration. Two drill holes and two trenches or costeans have been laid out for this purpose.

Although a pack or sledge track could be put through from Chester, it is thought that a better graded, if not shorter, track could be put through from a point on the Emu Bay Railway line where it crosses Eobo Creek. At the present time this track is being cleared.

Rosebery, 23.6.'47.

Locality Map

Scale: 4 miles = 1"



5 cm

T I T L E

The Pinnacles area is covered by a Special Prospector's Licence issued to F. G. Burns of The Electrolytic Zinc Company of Australasia, Limited, Rosebery, in respect of 11,520 acres of land (more or less) in the County of Montagu, vicinity of North Pieman, which licence will be in force until the 15th day of October, 1947.

Not Transferable.

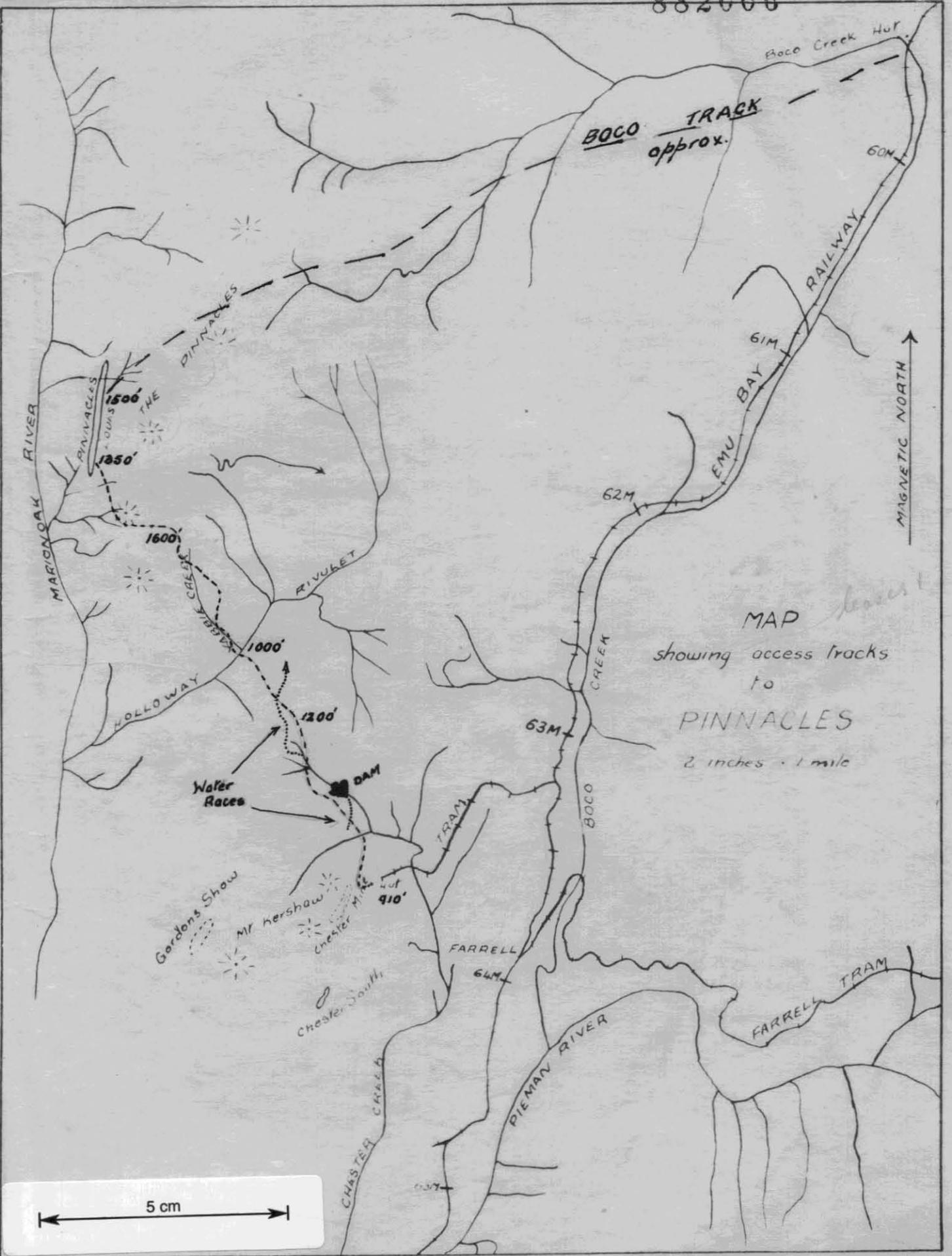
This Licence is issued subject to the following conditions:-

1. That the Licensee shall commence and continue investigational work on the claim during the full period of six months as from the date of this Licence (15.4.47), the commencing number of men to be employed being two.
2. That a Statement of Expenditure verified by a Statutory Declaration and accompanied by a full Report of prospecting operations shall be lodged with the Director of Mines at the end of each calendar month as from the date of this Licence.

Special Prospector's Licence

Commencing at a point 1 chain East of the 65 Mile-stone on the Emu Bay Railway thence 480 chains North thence 240 chains West thence 480 chains South thence 240 chains East to point of commencement.

The area embraced by this Licence is exclusive of private property, reserves, mining tenements held or marked out prior to the date of marking out of this Special Prospector's Licence and any other occupied Crown land.



MAP *Leaves*
 showing access tracks
 to
 PINNACLES
 2 inches = 1 mile

CHESTER-PINNACLES TRACK.

To permit access, a 3-mile foot-track has been cut from Chester to the Pinnacles: (See Plate A-2).

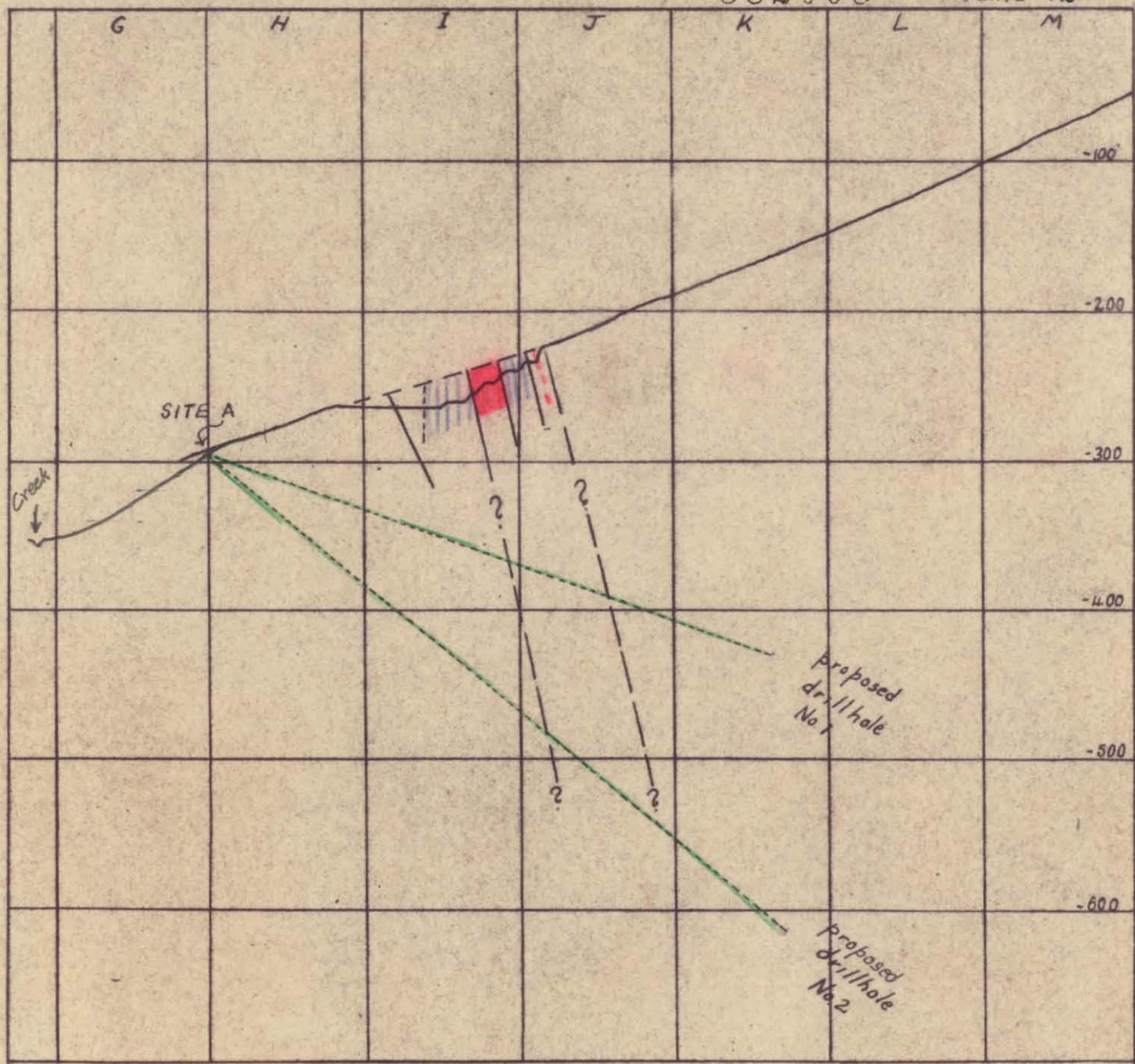
The hut at the Chester Mine lies one mile westerly of a point on the Emu Bay Railway one mile northerly from Farrell Siding. It is reached from this point by a formed track, originally an ore tramline.

A 2-man party, working from the hut, has cut a 3-mile foot-track to the Pinnacles. Thirty-year old tracks are completely overgrown and, in places, entirely obliterated.

From the hut, the track follows up the old Chester Mine inclined haulage for 100 yards. Leaving the haulage, the track proceeds northerly for a half-mile through timber, across a water-race, to a button-grass plain. This plain, 300 ft. above the Chester hut, forms the divide between Chester Creek and Hollway Rivulet. The track proceeds northerly, to the west of a dam (1) near head of Chester Creek, for one mile, following the remains of a timber-tram that comes in from the north-east side of the dam to a point on Hollway Rivulet 200 ft. below the button-grass plain.

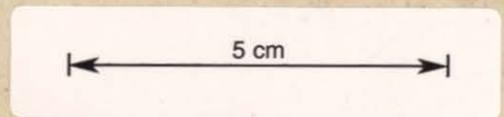
Across Hollway Rivulet a new track has been cut through timber and undergrowth for one mile to a button-grass plain 600 ft. higher than Hollway Rivulet, that lies just easterly of the southern-most "Pinnacle". Thence the track crosses a saddle in the Pinnacles Ridge and makes down a button-grass slope in a north-westerly direction, reaching the south end of the Pinnacles workings, at 250 ft. lower elevation, in a half-mile. The total distance from Chester is three miles.

(1) Dam was fed by a water-race from Hollway Rivulet. A timber-tram crosses this water-race a quarter of a mile from Hollway Rivulet.



PINNACLES LEAD-ZINC DEPOSIT
 CROSS SECTION AA LOOKING NORTHERLY
 (see Plate A061.)

Mineralised zones
 Sheared rock
 Proposed work (5/47)



THE PINNACLES WORKINGS.(See Plates A.3 and A α 1)

The Pinnacles was visited on 12th-14th May to ascertain if the mineralised zone warranted further testing. Three groups of workings occur over a 3,000 ft. length.

South Workings:

Best exposure was seen at the southern end in Block I-13 where a deep trench reveals a 23-ft. thickness of silicified and brecciated rock, well pyritised and carrying appreciable amounts of sphalerite and galena, especially on the footwall side. Lode channel is well defined and dips at 77° East. Host rock is a little altered, fine grained siliceous rock also dipping easterly. Adjacent to the lode, however, this rock is sheared and the cleavage dips steeply to the west. Traces of sulphide minerals are also to be seen in similar rock at the eastern end of the trench. No effort seems to have been made to test this lode along its strike or in depth. As shown on the maps herewith, two costeans and two decline drill-holes have been ~~laid out~~ ^{proposed} for this purpose.

This occurrence is located on a button-grass slope of 20° gradient, devoid of outcrops and covered with peat.

Central (Thomas) Workings:

These lie 1,500 ft. to 2,000 ft. further north, and at the same elevation. They are completely overgrown. Thomas Adit is caved at about 80 ft. in, before the ore horizon is reached. Shafts are full of water to within a few feet of the surface. At least until surface workings have been cleared, no opinion of the ore occurrence can be formed.

North (Brown) Workings:

These lie 500 ft. to 900 ft. still further north and 100 ft. to 200 ft. higher. Although vegetation blocked Brown Adit, a number of trenches were cleared and examined. Siliceous formations 10 ft. thick dip easterly at 85° in cutting at shaft in Block J-41 and in deep trenches in Block J-42. Formation is well defined but not so well mineralised as in the southern workings. Rock type is similar. Proceeding northwards the strike of the beds curves westward and dip decreases progressively from 85° to 52°. Exact structure remains to be resolved but it is thought that the beds may lie on a fold.

Before further work is performed, it will be necessary to establish a camp in the vicinity and to clear an access track suitable for packing supplies.

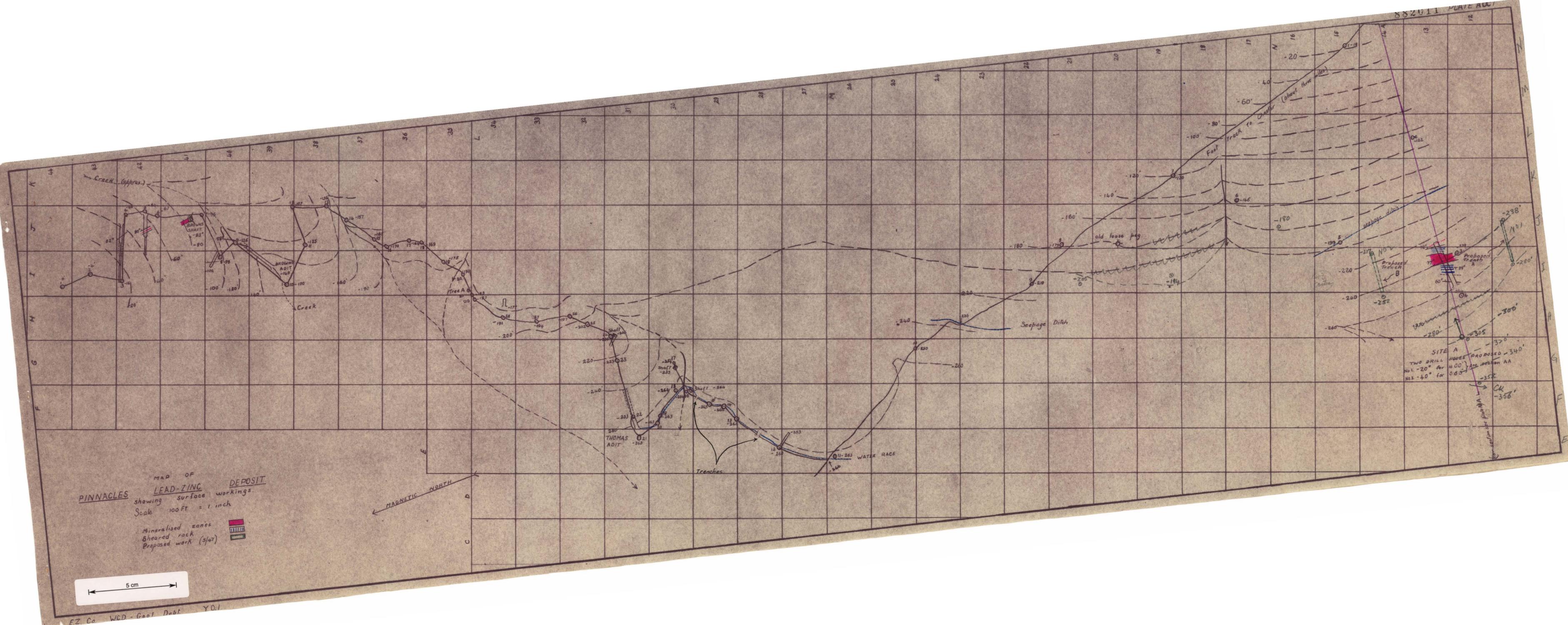
BOCO-PINNACLES TRACK:

Although a pack or sledge track can be put through from Chester, it is thought that a better graded - though not a shorter track - could be made from a point on the Emu Bay Railway where it crosses Boco Creek. For this purpose, two men are now working and, up to 30.6.47, two and a half miles of the approximate four miles of this track had been cleared. Indications are that the topography will lend itself to track formation more easily than in the case of the Chester-Pinnacles Track, though there is a much thicker growth of vegetation and some swampy ground. Bad weather and the short winter days are limiting progress.

ANALYSIS OF WORK PERFORMED TO 30.6.47:

From 10.3.47 to 14.5.47 -
2 men working on Chester-Pinnacles Track.
From 15.5.47 to 30.6.47 -
2 men working on Boco-Pinnacles Track.

	<u>Number of man- shifts.</u>	
Clearing track to Chester Hut from E.B.R. Taking in Gear, Repairing Hut	9	
<u>Chester-Pinnacles Track:</u>		
Reconnaissance	8	
Track-cutting : 3 miles	<u>30</u>	47
<u>Pinnacles Workings:</u>		
Clearing (incomplete)	10	
Chaining for Survey	<u>3</u>	13
<u>Boco-Pinnacles Track:</u>		
Moving gear from Chester to Boco	6	
Reconnaissance	10	
Track-cutting (incomplete)	<u>44</u>	60
<u>Total</u>		<u>120</u>



MAP OF
PINNACLES LEAD-ZINC DEPOSIT
 Showing surface workings.
 Scale 100 Ft = 1 inch

Mineralised zones
 Sheared rock
 Proposed work (3/47)

5 cm