

GROM FILE

To

P. Taggart

Date

March 26, 1979

From

J. G. Simpson

Subject

Proposed New Orthophoto Maps
Faro - Swim Area

006343

As discussed, we have put together a requirement for additional 1:5,000 and 1:2,000 scale mapping to facilitate further exploration and development work in the Faro-Swim area. This has been discussed with Denis Gregoire and Daryl Hanson at some length, and input from potential bidders has been used to formulate the proposal. Note that the 1:5,000 mapping, i.e. cartographic work, will cost about \$600 per square mile, 1:2,000 at approximately \$2,750 per square mile. It was considered that additional direct plotting at 1:1,000 (\$5,000 per square mile) would be unnecessary for the proposed pit area in that sufficient accuracy would be maintained by enlarging the 1:2,000 series.

The proposal, rough budget and index maps are enclosed for your information, and we would welcome any suggestions, particularly as they affect usage by Engineering Planning and Production groups in the development of the newly acquired orebodies.

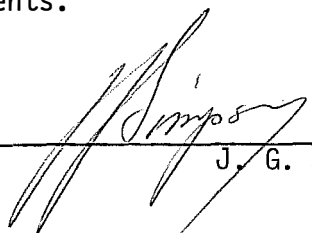
The index layout has been designed to give maximum single map coverage to potential open pit areas and to fit within the existing 1":1,000' and 1":2,000' topo base to facilitate filing and transfer of data where appropriate. Map sheet sizes have been designed for easy handling and storage in existing cabinets.

Clearly, the proposed mapping is partly required by Exploration Department and partly for the proposed "Feasibility Development Group". It is suggested that the enclosed budget be written up as an A.F.E. to be funded 50/50 by both departments.

As tenders should be submitted soon to ensure optimum service and targeting should commence in May, your early attention to this subject would be appreciated. As all future work and development would be based on the proposed mapping, it seems essential that this is sufficiently accurate and detailed to cover all foreseeable requirements.

JGS/ck
Encl.

c.c. J. Oik
D. Gregoire
S. Buziak



J. G. Simpson

RECEIVED
MAR 23 1979

CYPRUS ANVIL

Dear Sirs:

Re: Proposed Topographic Maps
Anvil Area, Yukon Territory

Index maps, showing required new line or orthophoto mapping on scales of 1:5,000 and 1:2,000, are enclosed for your consideration. The following requirements will be specified in any subsequent contract.

1. Targets

For internal triangulation control - 300-400 targets to be set out by client on contractor's advice, at client's cost.

2. Aerial Photography

1:20,000 and 1:10,000 over areas covered by index maps on roughly east-west flight lines to provide optimum coverage of control targets. Timing - August, 1979.

3. Surveying

Internal triangulation control survey and tie-ins to primary N.T.S. control and U.T.M. grid to be carried out by contractor. An additional requirement for ten claims to be taken to legal survey status could be carried out at the same time, for which Dominion Land Surveyor supervision is mandatory.

4. Map Specification

(a) 1:5,000

- (i) Total 175 square miles, of which approximately 100 square miles to be plotted in 1979, balance on request.
- (ii) Number of sheets - 17 divided into EAST and WEST halves, 10 to be plotted in 1979.
- (iii) Orientation of north-south as per index sheets.
- (iv) Contour interval - 3 metres.
- (v) Quote per sheet or per square mile for both orthophoto with contour overlay and line plot with identification of all internal control targets and numerous other location targets.

(vi) Vertical accuracy: \pm 1 metre; Horizontal accuracy: 1 in 1,000.

(vii) Sheet size (half sheet) not including margins: 24"x37" (61 cm x 94 cm).

(b) 1:2,000

(i) Total 6.5 square miles, all in 1979.

(ii) Orientation as per index sheets.

(iii) Number of sheets - 7 all in 1979.

(iv) Contour interval - 2 metres.

(v) Quote for line map plus target identification and orthophoto contour overlay and print.

(vi) Vertical accuracy: 0.5 metre; Horizontal accuracy: 1 in 2,000.

(vii) Fine line contour to allow for potential enlargement to 1:1,000.

(viii) Sheet size not including margins: 30"x31" (76 cm x 79 cm).

Your written tender for this work is invited and we would be pleased to discuss details and suggested modifications before final submission of bids.

Yours truly,

CYPRUS ANVIL MINING CORPORATION

J. G. Simpson
Exploration Manager

JGS/ck
Encl.

PROPOSED TOPOGRAPHIC SURVEYS

COST ESTIMATE

Salaries (3 men x 2 months + supervision)	\$ 15,000
Materials (target sheeting)	3,000
Air Photography	10,000
Surveying (contracted): (a) triangulation	20,000
(b) legal surveys (10 claims)	20,000
Helicopter (target set-outs - 100 hours @ \$300)	30,000
Orthophoto plotting: (a) 1:5,000, 10 sheets (of 17)*	60,000
(b) 1:2,000, 7 sheets	20,000
Vehicle and Camp Support	7,000
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	\$185,000
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* The additional 7 sheets would be commissioned as required by Exploration in 1980.