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E.L. 9/66

TYNDALL AREA

REVISED WORK PROGRAM AND BUDGET FOR 1984/85

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SUMMARY

Recent assaying results from old Henty Fault Zone drill hole HFZ 5 were unexpectedly encouraging. They included a 3.5m (true width) intersection of 9.4 g/t gold and 7.3 g/t silver. As a result, exploration interest has been re-focussed on the Henty Fault Zone prospect and the proposed program for 1984-85 has had to be revised.

The amended work program comprises:

- (1) Re-assaying, data compilation and 1200m of diamond drilling at Henty Fault Zone.
- (2) Geological mapping and 250m of diamond drilling at Read East.
- (3) Data compilation and 350m of diamond drilling at White Spur.
- (4) Data compilation, limited mapping and 300m of drilling at Basin Lake.
- (5) Data compilation, mapping and sampling at West Sedgwick.
- (6) Dipole-dipole I.P. survey at North Huxley.
- (7) Mapping and detailed sampling at South Huxley.
- (8) 600m of ground-supported diamond drilling at Jukes Proprietary.
- (9) Mapping and detailed sampling in the Garfield/Currie divide and upstream of the Flannigans Flat alluvial gold workings.
- (10) Limited gridding, mapping, bedrock geochemistry and ground EM in the vicinity of the Snake Spur costean.

This program is expected to cost \$475,400.

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APPENDIX 1 Budget Proposal 1984/85

FIGURE 1 Work Proposed 1984/85 and Proposed Reduced E.L. 1:50,000

1. INTRODUCTION

At the time when the Area Retention report (Roberts, 1984) was written, six samples from Henty Fault Zone drill hole HFZ 5 were at Genalysis in Perth for gold analysis. The resultant gold assays turned out to be unexpectedly high grade and showed that HFZ 5 had intersected an auriferous siliceous zone including 3.5m (true width) of 9.4 g/t Au and 7.3 g/t Ag. As a result, the work program proposed for E.L. 9/66 has been amended to allow for follow-up of this most encouraging result.

The revised program has been designed so that the longer term objectives of the previous proposal can still be achieved i.e. so that a first pass drilling program can be completed on all prospect areas by the end of 1985-86. A somewhat enlarged budget is required to allow this aim to be achieved.

2. PROPOSED WORK PROGRAM 1984-85

This program differs from the previous proposal in that:

- (1) 1200m of additional drilling and minor ground surveys are proposed for Henty Fault Zone.
- (2) Only one drill hole is now proposed for White Spur (vs. two recommended previously).
- (3) The drilling and ground work at Beatrice has been postponed until 1985/86.
- (4) A deeper drill hole is now recommended at Jukes Proprietary (600m vs. 300m previously).

- (5) Helicopter support will be confined to ground surveys south of Queenstown and at Rolleston. All of the drilling should therefore be ground supported.

The amended program is expected to cost \$475,400 (Appendix 1).

Figure 1 illustrates the geographic spread of work proposed on the E.L. The scheduling of the work program is illustrated in Table 1. In detail:

2.1. Henty Fault Zone

Three phases of exploration are proposed for Henty Fault Zone, this financial year:

- (1) Re-assessment. This phase should be completed by mid-July. It should include extensive gold assaying of prospective rock types in the previous drill holes, as well as re-logging of some of the holes. A detailed work proposal should then be drawn up in the latter part of July.
- (2) Ground Surveys. These should be carried out as early as weather conditions permit and should include some geologic mapping and detailed bedrock sampling over the gold zone along strike from the drilled area.
- (3) Diamond Drilling. Three to four holes, totalling 1200m, are proposed here. Provision has been made in the budget for each drill hole to include a "second cut" of the gold zone by means of uncontrolled wedges. This work should be ground-supported and completed prior to December, this year.

TABLE 1 - SCHEDULE OF WORK, E.L. 9/66, 1984/85

	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE
<u>PROSPECT</u>												
HENTY FAULT ZONE		----- Compilation/ Drill Proposal	----- Drilling (1200m) Ground Surveys							----- Reporting		
READ EAST		----- Compilation	----- Mapping	----- Drill Proposal	----- Drilling (250m)					----- Reporting		
WHITE SPUR		----- Compilation	----- Drill Proposal	----- Drilling (350m)						----- Reporting		
SELINA		---Compilation---				Gridding Rolleston		----- Mapping Anomaly Zone * EM survey *				
BASIN LAKE		-Compilation/check-- mapping	Drill Proposal		----- Drilling (300m)							----- Drill recommendations
WEST SEDGWICK		--Compilation--						----- Mapping				----- Drill recommendations
JUKES PTY.								----- Drilling (600m)			----- Reporting	
HUXLEY					----- Gridding bedrock sampling *			----- I.P. survey, stream sed. * sampling, mapping			----- Reporting	
GARFIELD				----- Stream sed. rock chip sampling * Garfield/Flannigans (?)			----- Snake Spur grid- Snake Spur E.M. * ding *				----- Reporting	
								----- Follow-up sampling Garfield/ Flannigans *				

* Helicopter - supported work

2.2 Read East

Some mapping and data compilation is required before a drilling proposal can be made. One drill hole of 250m is recommended. It should be drilled with ground support during the August-December period this year. If possible, the hole should be surveyed with down-hole EM equipment to test for mineralization around the hole.

2.3 White Spur

Some data compilation is required here before a drilling proposal can be drawn up. One drill hole of 350m is recommended. It should be drilled with ground support during the August-December period this year. If possible, the hole should be surveyed with down-hole EM equipment to test for mineralization around the hole.

2.4 Selina

- (1) Geologic mapping should be undertaken around the Selina Anomaly Zone to determine its potential for volcanogenic massive sulfides.
- (2) A 5-10 line km, deep-looking ground EM survey should be carried out around the northern shores of Lake Rolleston to test for high grade copper-precious metals mineralization beneath the glacials. This work should be undertaken with helicopter support in January, 1985.

2.5 Basin Lake

- (1) A considerable amount of data has been accumulated on this area over the years. It should be

compiled onto standard sheets. During the course of this work, some check mapping may be required. This work should identify drilling targets for both the 1984/85 and 1985/86 seasons.

- (2) One drillhole should be completed to follow up the BL4 massive sulfide intersection. A 300m hole is suggested to be carried out with ground support in November-December, this year.
- (3) The Howards silver zone probably persists into the Basin Lake area under glacials. A small research program is suggested on this target type to assess if other such zones host orebodies elsewhere, and, if so, what means are available to search for them.

2.6 West Sedgwick

A program of data compilation and mapping is proposed for 1984/85. The mapping should involve rock chip sampling of all prospective lithologies for gold mineralization.

2.7 Huxley

- (1) North Huxley. Minor extensions to the grid are proposed both to the north and south; these should be bedrock sampled. Selected parts of the new grid should then be covered by dipole-dipole IP to test for lead-zinc mineralization. A total of 15 line km. of I.P. is proposed, to be carried out in December-January.

- (2) South Huxley. Further stream sediment and rock chip sampling, and mapping is required in this area to test its gold potential. This work should be carried out also in December-January, possibly in several stages, if follow-up work is required.

2.8 Jukes Proprietary

Some potential exists here for a moderate to large tonnage copper-gold deposit, of which the existing drill hole intersections and underground openings represent only the uppermost part. One 600m drill hole is proposed to test for such a large body at depth beneath the old workings. This hole should be drilled with ground support in January. Such a hole can be collared on the existing access road, thus obviating the need for helicopter support.

2.9 Garfield

- (1) A program of comprehensive rock chip sampling and stream sediment coverage is proposed for the pyritic schist zone in the Garfield/Currie divide. Stream samples should be obtained from trap sites. It is proposed that this work be undertaken in November, using helicopter support into one or more fly camps. In this way, if significantly encouraging results are obtained, there will be time to reorganize the summer work to allow for more detailed ground surveys in January/February.
- (2) Mapping, rock chip and stream sediment sampling should be carried out in the Flannigans area to check for the source of the alluvial gold.

This should be undertaken in summer with helicopter support.

- (3) Gridding should be carried out in the vicinity of the Snake Spur costean over the Owen Conglomerate-volcanics contact area. Lines should be 200m apart and cover approximately 1.5km of the contact. The grids should be bedrock sampled where glacials are absent and covered by ground EM. All of this program should be carried out in January-February, 1985.

3. REFERENCE

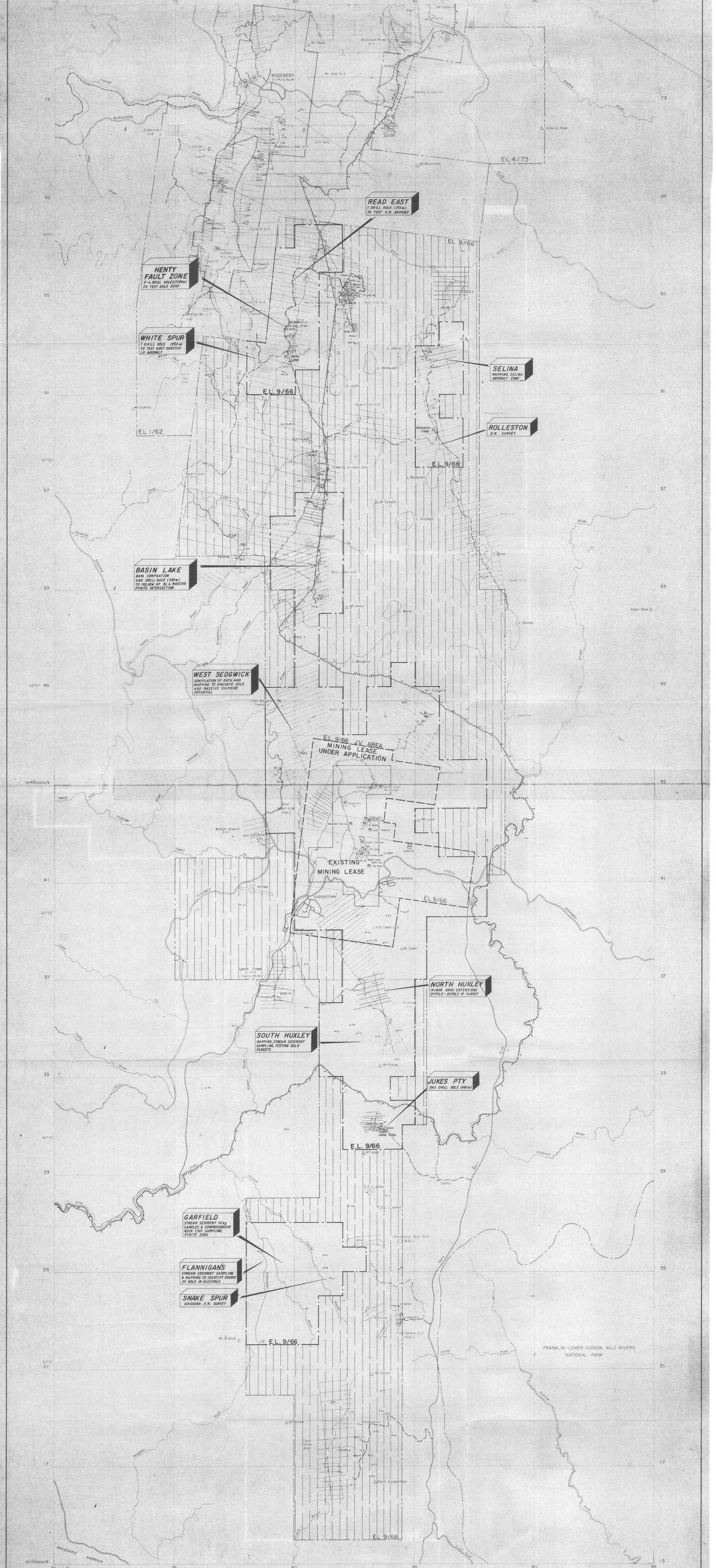
Roberts, P.A., 1984: "E.L. 9.66, Tyndall Area, Area Retention and Work Program Proposals for 1984/85." May, 1984.

APPENDIX 1

TYNDALL E.L. 9/66 - 1984/85 BUDGET

TYNDALL E.L. 9/66 - 1984/85 BUDGET

	\$
1. <u>GEOLOGY</u>	110,100
Salaries + Wages \$58,100	
On Costs \$17,400	
Transport/Miscellaneous (includes helicopter) \$10,300	
Outside Contractors-petrology, drafting, geological contractor \$14,300	
Other-travel, stores \$10,000	
2. <u>GEOPHYSICS</u>	65,300
Outside Contractors - EM, IP, Mitre \$46,600	
Transport (helicopter) \$17,700	
Stores \$1,000	
3. <u>GEOCHEMISTRY</u>	49,300
Outside Contractors-stream samplers, bedrock samplers, consultant \$13,200	
Analysis-\$12,000	
Transport (helicopter) \$23,600	
Stores \$500	
4. <u>DRILLING</u>	185,400
Outside Contractors - \$158,500	
Stores \$8,900	
Transport 3,000	
Analysis 15,000	
5. <u>LAND ACQUISITION</u>	3,100
Miscellaneous-E.L. Fee \$3,100	
6. <u>SITE PREPARATION</u>	18,800
Outside Contractors-track cutters, bulldozing \$18,800	
7. <u>SURVEYING</u>	2,600
Outside Contractors \$2,600	
8. <u>INDIRECT M.V.E.</u>	12,000
9. <u>ADMINISTRATION CHARGES</u>	28,800
	<u>475,400</u>



HENTY FAULT ZONE
3-4 DRILL HOLES (200m)
TO TEST GOLD ZONE

READ EAST
1 DRILL HOLE (250m)
TO TEST E.N. ANOMALY

WHITE SPUR
1 DRILL HOLE (250m)
TO TEST WEST HORIZON
I.E. ANOMALY

SELINA
MAPPING SELINA
ANOMALY ZONE

ROLLESTON
E.N. SURVEY

BASIN LAKE
DATA COMPILED
ONE DRILL HOLE (300m)
TO FOLLOW UP ON MASSIVE
PYRITE INTERSECTION

WEST SEDGWICK
COMPILED DATA AND
MAPPING TO EVALUATE GOLD
AND MASSIVE SULPHIDE
POTENTIAL

**EL 9/66 J.V. AREA
MINING LEASE
UNDER APPLICATION**

**EXISTING
MINING LEASE**

NORTH HUXLEY
MINOR GRID EXTENSIONS
DIPOLE-DIPOLE IP SURVEY

SOUTH HUXLEY
MAPPING, STREAM SEDIMENT
SAMPLING, TESTING GOLD
TARGETS

JUKES PTY
ONE DRILL HOLE (600m)

GARFIELD
STREAM SEDIMENT 10 BY
SAMPLES & COMPREHENSIVE
ROCK CHIP SAMPLING,
PYRITE ZONE

FLANNIGAN'S
STREAM SEDIMENT SAMPLING
& MAPPING TO IDENTIFY SOURCE
OF GOLD IN ALLUVIALS

SNAKE SPUR
GROUNDS, E.N. SURVEY

- LEGEND**
- Main Road
 - Vehicular Track
 - River, Creek
 - Railway (abandoned)
 - E.L. Boundary
 - M.L. Boundary
 - △ Prominent Peak
 - Major Mine Working
 - Major Mine Abandoned
 - Old Workings, Mineral Occurrence
 - Alluvial Workings
 - Drill Hole
 - Exploration Camp



**G.F.E.L. - G.O.D.L. J.V.
TYNDALL - E.L. 9/66
WORK PROPOSED 1984/85
AND 012
PROPOSED REDUCED E.L.
DRAWN BY PR. 2-1144
FIG. 1**



GRID DENOTES 5000 MAP SERIES BASED ON 1000METRE INTERVALS OF AUSTRALIAN MAP GRID ZONE 55