

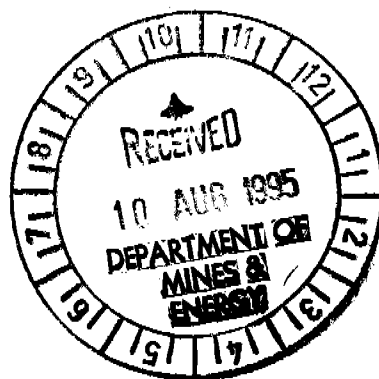


Dominion Mining Limited

EL 8110 - Majestic South Final Report

28.04.93 - 27.04.95

Tipperary 1:100,000 Map Sheet



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January 1995

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2.	EL8110 Fact Geology	1:100,000	37A-Ga8

PLATES

1.	EL8110 Soil Geochemistry: Au (ppb)	1:10,000	137A-Cb12
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APPENDICES

1.	Soil Sample Logs and Assay Results
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1.0 INTRODUCTION

This report covers the exploration on EL 8110 by Dominion Mining.

2.0 LOCATION AND TENURE

EL 8110 is located 170km south of Darwin, approximately 17km SW of Cosmo Howley Mine and 3km south of Plateau Point. It is located on the Fenton 1:50,000 (14/5-1), and Tipperary 1:50,000 (14/5-1V), sheets. See Figure 1 for tenement location.

Access is via the Stuart Highway, Fountain Head Road, Dorat Road, Ooloo Road to Fenton Airfield and then by station tracks to the southwest.

The Licence consisting of one graticular block was granted to Dominion Gold Operations Pty Ltd on 28 April 1992 for a period of two years.

3.0 GEOLOGY

3.1 Regional Geology

The Pine Creek Inlier has been well documented by Needham et al 1980 and Wallace et al in 1985. The Inlier consists of a tightly folded sequence of Lower Proterozoic pelitic to psammitic and tuffaceous sediments. These in turn have been intruded by pre-orogenic dolerite sills and syn to post orogenic granatoids. Greenschist facies metamorphism prevails throughout the central area with an increase in grade to amphibolite facies at granitic contacts.

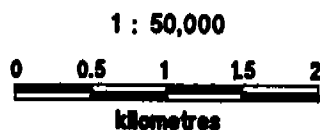
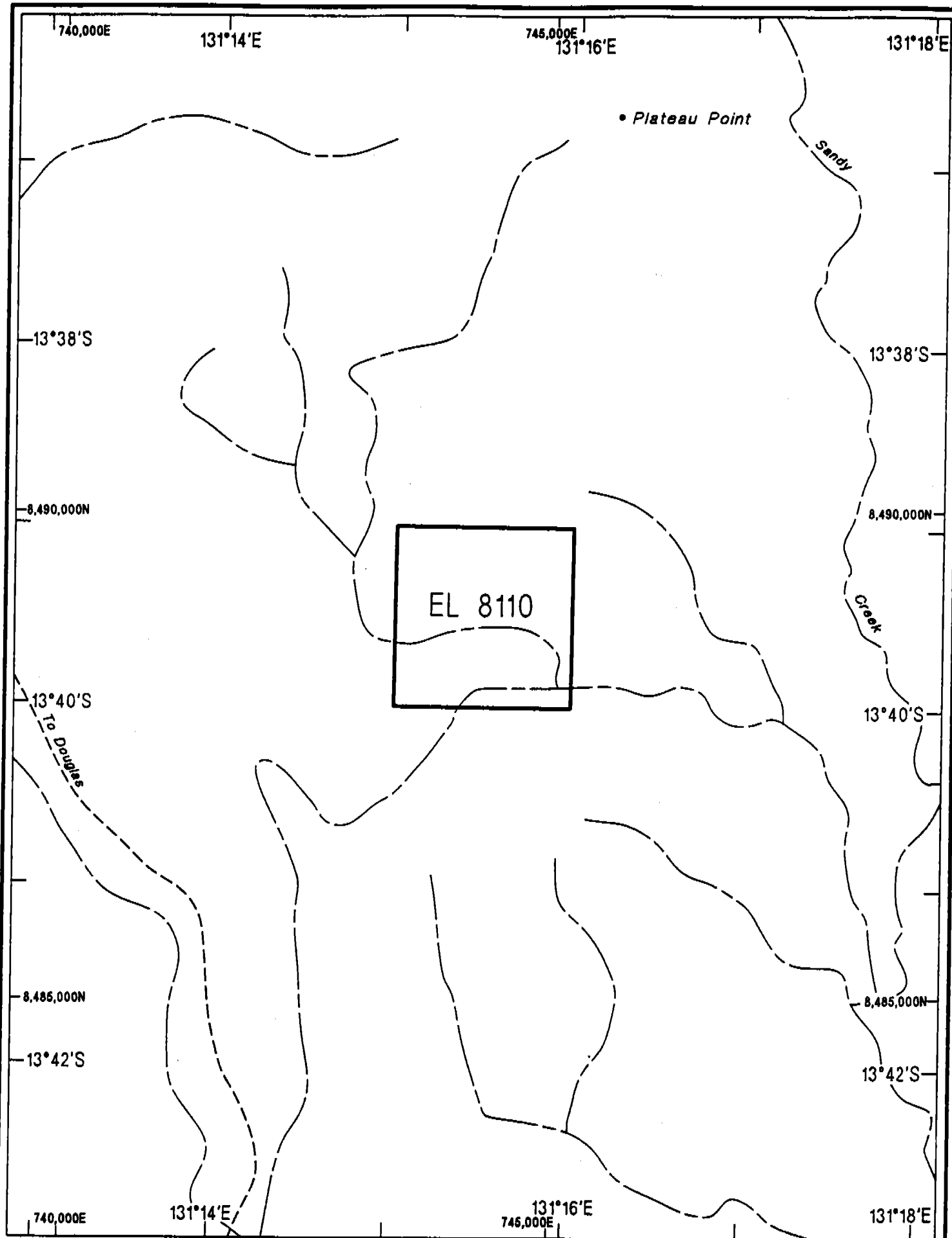
3.2 Local Geology

The eastern parts of the area are underlain by very poorly exposed Fenton Granite, largely concealed with sandy soils and alluvium, and by thin unconformable Cambrian Tyndal Limestone in the extreme southeast corner. The granite is traverse by zones of brecciation, silicification and quartz veining on NNW and NNE trends, which form low ridges with prominent quartz outcrops.

The western areas are a sequence of west facing metasediments stratigraphically ranging from Wildman siltstone (oldest), Koolpin Formation, Gewowie Tuff, Mt Bonnie Formation and Burrell Creek Formation being the youngest in the northwest. Structural complexities and metamorphism make the boundaries difficult to interpret. See Figure 2 for fact geology.

4.0 PREVIOUS EXPLORATION

Carpentaria Exploration obtained the area as part of their Gold Ridge package of tenements but no sampling was carried out in what is now EL 8110.



MAJESTIC SOUTH - EL 8110
TENEMENT LOCATION

PROJECT: GOLD RIDGE **STATE:** N.T.

ORIGINATOR: N.Burn **Date:** May'94 **DRAWN/REVISED:** W.P. May'94

SCALE: 1 : 50,000 **FIGURE No:** 1 **PLAN No:** 137A-Tb3

 **Dominion Mining Limited**



5.0 DOMINION EXPLORATION

Dominions exploration included a program of combined geophysical interpretation, gridding and soil sampling.

5.1 Geophysics

In 1987-88 Dominion acquired a package of multiclient aeromagnetic data. Interpretation of this data was then employed to identify favourable lithological/structural settings for gold mineralisation. A further airborne magnetic/radiometric survey was completed by Aerodata (Oct.1992), for Dominion, covering the area southwest of Cosmo Howley.

5.2 Soil Sampling

In October 1993 a total of 43 samples were collected within the tenement on a 50m by 400m grid spacing as a control. At each sample site a single sample of soil weighing approximately 2 kg was sieved to -2mm and submitted to Amdel Laboratories in Darwin for analysis.

Samples were analysed for gold and arsenic utilising aqua regia with fire assay fusion and AAS finish with detection limits being 1ppb for Au and 5ppm As. See Appendix 1 for soil sampling logs.

6.0 RESULTS

Results were disappointing for the area sampled with a peak response of 14ppb Au. See Plate 1 for sample numbers, locations and results.

7.0 REFERENCES

Bredhauer H. (May 1994)
EL8110 Majestic South Annual Report.
Year One of Tenure from 28 April 1993 to 27 April 1994.
Dominion Mining Limited

Burn, N. December 1993
EL7160 Majestic NT Annual Report
Year Three of Tenure. From 5 December 1992 to 4 December 1993.
Dominion Mining Ltd.

Burn, N. December 1993
EL7013 - Gold Ridge Annual Report
Year 3 of Tenure 20 November 1992 to 19 November 1993
Dominion Mining Ltd

Needham, R.S., Crick, J.H. and Stuart-Smith, P.B. (1980)
*Regional Geology of the Pine Creek Geosyncline. In Proceedings of the
International Uranium Symposium. International Atomic Energy Agency,
Vienna p1-22.*

Wallace, D.A., Stuart-Smith, P.G., Needham, R.S. and Roarty, M.J. (1985)
*The Geology of the McKinlay River Area, Northern Territory, Australia.
Bureau of Mineral Resources. 1:100,000 Geological Sheet 5271*

APPENDIX 1

SOIL SAMPLE LOGS AND ASSAY RESULTS



DOMINION MINING LIMITED

GEOCHEMICAL SAMPLING

Project: GOLD RIDGE / MAJESTIC Prospect: K9 SOUTH Page | of
 Sample Type: SOIL - 2mm Sampler: JA, NW Date: _____
 Laboratory: AMDEL Analytical Methods: AA9

AMG Co-ordinate/ Location	Description	Slope	Sample No. Prefix 46	ppb Analysis ppm			
				Au	Ag		As
8489050N							
744700E	Osa B5	2°E	46502	1			<5
744650E	Osa B5, qz Osk1	2°E	503	1			<5
744600E	Osa B5, qz Osk	0°	504	1			<5
744550E	Osa B8	2°W	505	<1			<5
744500E	Osa B8, qz Osk3	2°W	506	1			<5
744450E	Osa B5	1°W	507	<1			<5
744400E	Osa BAS, qz Osk1	"	508	3			<5
744350E	" " Oal1	"	509	2			<5
744750E	Oal BAS, qz Osk3, Smd1	1°E	510	1	<1		<5
744800E	" "	"	511	1			<5
744830E	" " mr Oal	"	512	2			<5
8489450N							
744700E	Oal BAS	2°E	513	2			<5
744650E	"	2°E	514	<1			<5
744600E	" qz Osk, Smd	2°E	515	<1			25
744550E	Oal BA " "	0°	516	<1	1		15
744500E	Oal BA, qz Osk1	1°S	517	14			5
744450E	" qz1	1°S	518	1			<5
744400E	"	1°S	519	<1			<5
744350E	" Smd, qz Osk	1°W	520	<1			<5
744300E	Oal BAS, qz Osk1	2°W	521	2			5
744900E	Oal BAS	2°W	522	2			<5
744950E	"	"	523	3			<5
745000E	"	"	524	3			<5

Remarks



DOMINION MINING LIMITED

GEOCHEMICAL SAMPLING

Project: _____ Prospect: _____ Page 2 of _____

Sample Type: _____ Sampler: _____ Date: _____

Laboratory: _____ Analytical Methods: _____

AMG Co-ordinate/ Location	Description	Slope	Sample No. Prefix 46	ppb Analysis			ppm
				A _v	A _u		
745050E	" "	"	525	<1	1		<5
745100E	" "	"	526	10			<5
745150E	Osa B, Gdl	1°W	527	2			<5
745200E	" Smd Ssl ± Vsk	0°	528	<1			20
8489850N							
744700E	Osa BR-B8	1°E	529	1			<5
744650E	" qz Osk	2°E	530	1			<5
744600E	Osa B8	1°E	531	2			5
744550E	"	0°	532	7			90
744500E	"	2°NW	533	4			25
744450E	Osa B8 qz Smd Osk	1°NW	534	1	<1		<5
744400E	" " "	"	535	<1			<5
744350E	Osa B5 " " " Oal2	2°N	536	<1			10
744800E	Osa B5 Oal2	1°SW	537	<1			<5
744850E	Osa B5	1°SW	538	<1			<5
744900E	Osa BAS	1°S	539	<1			<5
744950E	"	1°SE	540	<1			5
745050E	Osa B8 Gdl Osk	1°SW	541	<1	1		<5
745100E	Osa BR Gdl	2°W	542	<1			10
745150E	" "	1°S	543	2			40
745200E	Osa B5 Smd Gdl Osk	1°S	544	<1			30
745250E	Osa BAS	1°S	545	<1			20
745300E	"	1°W	546	1			30
745350E	" Smd/Ssl Osk	2°W	547	3			30
745400E	Osa B5 Ssl qz Osk	2°E	548	2			35
745450E	"	2°E	549	1			<5
745500E	Osa BAS	1°N	550	2			55
745550E	Ggt	2°NW	551	<1			<5

Remarks



Project: _____ Prospect: _____ Page 3 of _____
Sample Type: _____ Sampler: _____ Date: _____
Laboratory: _____ Analytical Methods: _____

[illegible]



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Telephone: (089) 322 637 Facsimile: (089) 323 531

Mr. N. Burn
Exploration Division
Dominion Mining Limited
PO Box 37321
WINNELLIE
NT 0821

ANALYSIS REPORT :

Your Reference : 20981

Our Reference : 3DN0973

Samples Received : 18/10/93
Number of Samples : 198

Results Reported : 25/10/93
Report Pages : 1 to 4

This report relates specifically to the samples tested in so far as the samples supplied are truly representative of the sample source.

If you have any enquiries please contact the undersigned quoting our reference as above.

Report Codes:

N.A. -Not Analysed
L.N.R. -Listed But Not Received
I.S. -Insufficient Sample

Gold Ridge

K9 Soil Sampling

Approved Signature:

for

ALAN CIPLYS
Manager - Darwin
AMDEL LABORATORIES LIMITED
A.C.N. 009 076 555

Final

ANALYTICAL REPORT

SAMPLE	Au	AuDpl	As
46502	0.001	--	<5
46503	0.001	--	<5
46504	0.001	--	<5
46505	<0.001	--	<5
46506	0.001	--	<5
46507	<0.001	--	<5
46508	0.003	--	<5
46509	0.002	--	<5
46510	0.001	<0.001	<5
46511	0.001	--	<5
46512	0.002	--	<5
46513	0.002	--	<5
46514	<0.001	--	<5
46515	<0.001	--	25
46516	<0.001	0.001	15
46517	0.014	--	5
46518	0.001	--	<5
46519	<0.001	--	<5
46520	<0.001	--	<5
46521	0.002	--	5
46522	0.002	--	<5
46523	0.003	--	<5
46524	0.003	--	<5
46525	<0.001	0.001	<5
46526	0.010	--	<5
46527	0.002	--	<5
46528	<0.001	--	20
46529	0.001	--	<5
46530	0.001	--	<5
46531	0.002	--	5
46532	0.007	--	90
46533	0.004	--	25
46534	0.001	<0.001	<5
46535	<0.001	--	<5
46536	<0.001	--	10
46537	<0.001	--	<5
46538	<0.001	--	<5
46539	<0.001	--	<5
46540	<0.001	--	5
46541	<0.001	0.001	<5
46542	<0.001	--	10
46543	0.002	--	40
46544	<0.001	--	30
46545	<0.001	--	20
46546	0.001	--	30
46547	0.003	--	30
46548	0.002	--	35
46549	0.001	--	<5
46550	0.002	--	55
46551	<0.001	--	<5
UNITS	ppm	ppm	ppm
DET.LIM	0.001	0.001	5
SCHEME	AA9	AA9	AA9

final

ANALYTICAL REPORT

SAMPLE	Au	AuDp1	As
46552	<0.001	--	<5
46553	<0.001	--	<5
46554			
46555			
46556			
46557			
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46588			
46589			
46590			
46591			
46592			
46593			
46594			
46595			
46596			
46597			
46598			
46599			
46600			
46601			
UNITS	ppm	ppm	ppm
DET.LIM	0.001	0.001	5
SCHEME	AA9	AA9	AA9

