

2.6 HENTY RIVER (R. M. D. Meares)

2.6.1 Introduction

Exploration completed during 1980-81 was restricted to the drilling of D.D.H. HR4 (310.6 m) and D.D.H. HR5 (421.5 m) to test a combined soil geochemical/I.P. chargeability/ground magnetic anomaly associated with the favourable andesite/shale contact on line 10N. D.D.H. HR5 intersected the full thickness of the andesitic sequence, and the only mineralisation encountered was minor veinlet sphalerite in sheared felspar porphyritic andesite lava from 289.5 m to 339.6 m. The source of the I.P. anomaly was minor black shales interbedded with fine grained andesitic tuffs from 339.6 m to 352.2 m. This hole completes the drilling programme to test the andesite/shale contact on the Henty River grid. Minor rock chip geochemical sampling was also completed on the western side of the gorge.

2.6.2 Geochemistry

A suite of 8 rock chip samples were collected from a traverse along creek 24233 between lines 6N and 7N on the western side of the gorge. The only significant values came from small outcrops of fine grained andesitic tuff with shale clasts and galena veins which assayed 0.12% Pb and 0.24% Zn. Relevant assays are tabulated below. Sample locations are shown in Figure 60.

TABLE 9

Henty River Rock Chip Geochemistry 1980-81

Sample No.	Distance Up Ck. From Henty R.	Lithology	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Mn ppm	S%
24477	180 m	Porph.andesite lava	150	50	235	< 2	1400	<0.1
24478	241 m	M.g. andesite lava	105	70	240	< 2	1600	<0.1
24479	256 m	F.g. and.tuff + Gn	110	1200	2400	< 2	2300	0.2
24480	269 m	Altered and.lava+Py	70	30	390	< 2	2400	<0.1
24481	310 m	Porph.andesite lava	60	20	490	< 2	1300	<0.1
24482	490 m	F.g. basalt	135	10	380	< 2	1800	<0.1
24483	614 m	F.g. basalt	240	40	155	< 2	1600	0.2
24484	L9N,2240E	M.g. felsic tuff	60	10	60	< 2	600	<0.1

2.6.3 Diamond Drilling1. Introduction

Two diamond drill holes, HR4 and HR5, were drilled to test a combined soil geochemical/I.P. chargeability/ground magnetic anomaly on line 10N centred at 2575E. This anomaly is associated with the favourable andesite/shale contact which hosted disseminated galena-sphalerite mineralisation in previous D.D.H.'s, HR1, HR2 and HR3 to the south. The soil geochemical anomaly extends down-slope from 2500E to 2575E with strong Zn (up to 1700 ppm) and weaker Cu (to 130 ppm), Pb (to 810 ppm) and Ag (to 3 ppm). The chargeability I.P. anomaly peaks at