



EL 48/2004 MT KERSHAW

ANNUAL REPORT ON EXPLORATION ACTIVITIES TO 23rd OCTOBER 2009

Author: L F Stewart

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1. SUMMARY

This report details exploration work undertaken on EL 48/2004, Mt Kershaw during the period 23 October 2008 to 23 October 2009, the fourth year of tenure.

Work originally planned for the fourth year of the tenement involved mapping of the partial leach soil grid to shed some light on the ambiguous stratigraphy from the Cone Hill to Chester region. This data was then to be incorporated with the partial leach geochemistry and IP data to identify drill targets, which would be completed in calendar 2009.

Due to budget constraints this work was not completed and work on the licence was limited to reviews of historical data with no on-the-ground exploration completed.

2. INTRODUCTION

This report details exploration work undertaken on EL 48/2004, Mt Kershaw during the period 23rd October 2008 to 23rd October 2009, the fourth year of tenure.

Access to the tenement is via the Boco Road off the Murchison highway in the north and via the Chester Mine Track off the Bastyan Dam Rd in the south. A small network of 4WD tracks, developed for logging and mineral exploration, extend from these main access points and provide moderate access to the majority of the area of interest.

MMG's main target on EL 48/2004 is Cambrian Rosebery or Hellyer type Zn-Pb-Cu-Au-rich VHMS mineralisation hosted by the Mount Read Volcanics (MRV). The tenement covers a generally N-S striking section of the MRV including the contact between the Central Volcanic Complex (CVC) and the overlying Southwell Subgroup (or lower Tyndall Group), separated in part by the Hollway Andesite.

3. LAND TENURE

EL 48/2004 Mt Kershaw (15 sq km) was granted to Zinifex Australia Limited on 23 November 2005 for a period of 5 years. The location of the tenement is shown on Figure 1. EL 48/2004 covers ground that fell vacant on the relinquishment of EL 35/2000 and EL 20/2001 (AurionGold) in 2003. The initial license area surrounded ML 20M/2000, held by Hercules Resources, which has subsequently been surrendered.

On July 18th 2008 the name of Zinifex Australia Limited was changed to OZ Minerals Australia Ltd as a result of a corporate merger between Zinifex Ltd and Oxiana Ltd. In June 2009 China Minmetals Non-Ferrous Metals Co Ltd acquired from OZ Minerals Ltd a 100% indirect interest (through its subsidiary Album Investment Pty Ltd) in MMG Australia Limited (previously OZ Minerals Australia Ltd).

Land covered by EL 48/2004 is all crown land designated as State Forest, informal reserves, parts of the Burns Peak and Mt Kershaw Forest Reserves and some HEC land all of which are available for exploration under the Mineral Resources Development Act 1995.

4. REGIONAL GEOLOGY

The basement lithologies in western Tasmania are Precambrian in age, comprising predominantly greenschist facies meta-sediments with minor basalt and dolerite. Higher-grade amphibolite and eclogite facies are also present within the Precambrian. This Precambrian basement is exposed approximately 15km to the east of the Mt Kershaw license (Figure 2).

Cambrian volcanism and sedimentation developed on this Precambrian continental crust, and is subdivided into the Eo-Cambrian tholeiitic Crimson Creek Formation (CCF) and, the mid to late Cambrian predominantly calc-alkaline, Mt Read Volcanics (MRV).

The CCF was deposited in shallow but rapidly subsiding basins (Brown, 1986). The CCF consists of basaltic lavas and volcanoclastics, turbidites, carbonates, chert and minor evaporites. This formation is exposed west of the licence area.

Ultramafic cumulates and volcanic equivalents were thrust onto the CCF in the mid Cambrian (Crawford and Berry 1992). These rocks generate strong magnetic anomalies and outcrop within the Huskisson Syncline, to the west of the licence.

The MRV form a 200km long by 20km wide broadly north-south trending belt adjacent to and in some areas on lapping and intruding the Precambrian basement. The volcanics include intermediate to felsic lavas, sub-volcanic porphyries and granites, volcanoclastics and basement-derived sedimentary rocks. The MRV host six economically significant volcanic hosted massive sulphide deposits. Regional structures that subdivide the MRV are the Rosebery Fault, which transects the western part of the license, and the Henty Fault, which is located 10km east of the licence.

The Mt Kershaw license is located at a regionally significant point within the central part of the MRV, where the main trend changes from north-south to northeast-southwest. The area also coincides with a regional lithological change where lithologies correlated with the Rosebery-Hercules sequence are juxtaposed with lithologies broadly correlated to the Sock Creek and Que-Hellyer sequences.

The major components of the MRV within the Mt Kershaw license area are massive felsic lavas, lava breccias and pumice breccias of the Central Volcanic Complex (CVC) and mixed felsic lavas, andesite and volcanoclastic sediments of the Burns Peak subgroup.

The MRV are overlain by a late Cambrian – early Ordovician marine and fluvial sequence of quartzwacke, polymict sandstones, siltstones, shales and polymict conglomerates (Rosebery Group/Stitt Quartzite to the west of the MRV and Owen Group to the east; Corbett, 2002). Correlates of the Stitt Quartzite underlie the western part of the license, west of the Rosebery Fault.

Cambrian volcanism and sedimentation was followed by predominantly basement derived Ordovician to Devonian age sedimentation, which includes sandstone and

limestone. None of these sequences occur within the licence.

At least two phases of regional compression were associated with the mid Devonian Tabberabberan Orogeny (Keele, 1991). The development of folding, cleavage and regional thrusts in lower Palaeozoic rocks were associated with this event. Fold trends in the licence are N to NE.

Deformation was followed by the extensive intrusion of Devonian to Carboniferous granitoids. The Meredith Granite and associated hornfels aureole outcrop west of the licence area (Brown, 1986). The Devonian granites are associated with carbonate replacement Sn mineralisation at Renison Bell and Mount Bischoff, and the Pb Zn Ag vein deposits of Zeehan and, possibly, the Tullah Fields.

In the Quaternary extensive unconsolidated glacial and fluvio-glacial deposits up to >100m thick accumulated (Augustinius and Nichol, 1999). These deposits now obscure parts of the Palaeozoic geology in the central part of the tenement.

Significant mineralisation known from the licence area comprises the Southern Trenches – Browns Tunnel base metal massive sulphide lenses in the northern part of the license and the historic Chester pyrite mine in the southern part of the license.

5. PREVIOUS EXPLORATION

Historic Exploration

1896 - 1958

The earliest recorded exploration of the license area was the discovery of alluvial gold in the Marionoak River by Tom Strong in 1896 and the discovery of the Pinnacles Lodes by the McGuinness Brothers in the same year. Around the same time F. Kershaw and H. Sanderson discovered the Chester Mine, initially known as Kershaw's Iron Blow, which was worked for copper but was soon abandoned (Reid, 1918). By 1899, development of the Pinnacles Mine area had commenced with the excavation of the Southern Trenches (estimated production 55t @ +10% Zn, +8% Pb, 8g/t Au and 38 g/t Ag), Browns Tunnel (est. prod. 300t @ 2% Zn, 2g/t Au and 44 g/t Ag), and Thomas's Tunnel (est. prod. 50t @ 4% Zn, 7% Pb, 1g/t Au and 240g/t Ag). Difficulties with ore treatment and high water inflow resulted in the Pinnacles area being abandoned by 1918 (Reid 1918).

Between 1908 and 1913 the Mt Lyell Company secured the leases over Chester and an exploration and development program was completed resulting in the mining of 36,000t of pyritic ore at a grade of 37%S (Reid, 1918). A small amount of additional production occurred from 1918-1920 by Cuming Smith and Co (estimated 700t at >25%S).

In 1947, EZ Co. commenced an exploration program across the Pinnacles area comprising 14 shallow diamond drillholes (PP31 – PP59; 1150m) and trial geophysical surveys (SP, ground magnetics and resistivity). EZ concluded that the Pinnacles mineralisation was small in size and low in grade and that no additional work was warranted (Hall, 1947; Cottle, 1949; Cottle, 1950).

EL 4/1959.

Rio Tinto Australia Exploration

1958-1960

Geochemical and geophysical surveys were completed across the Pinnacles and Chester areas. No details of geochemical techniques were documented however two anomalous areas were defined at both the Pinnacles and Chester. Geophysical techniques included Turam and vertical loop EM, gravity and magnetics. No conductive response was observed over the mineralisation at either Chester or the Pinnacles however a clear gravity anomaly was defined at Chester along with a second anomaly to the west of the main Chester mineralisation (Muceniekas; 1959; Boniwell 1959).

EL 5/1963.

Comstaff Pty Ltd; Preussag Aust.

1968-1979

Comstaff explored the Chester – Pinnacles area in two phases. Phase 1 (1968 – 1972) comprised regional stream sediment sampling, grid based soil sampling at the Pinnacles and Chester area (1590 samples), costeaning at Shale Basin, and I.P and ground magnetic surveys at both the Pinnacles and Chester. Two diamond drillholes were completed at the Pinnacles (CP1 – CP2) and one drillhole was completed at Chester (CP3). Best result was from CP3 which returned 2.4m @ 22.3% Zn, 5.2% Pb (Anon, 1969; Anon, 1970; Everett, 1971, Orr and Smith, 1975).

Phase 2 (1974-1976) commenced with the establishment of metric grids at the Pinnacles (EAA grid), Chester (EAD grid) and at East Chester (EAB grid, extending east of EL48/2004). At Chester exploration comprised detailed mapping of the new grid, dipole-dipole I.P, S.P and EM surveys, soil sampling (Ao –A1 horizon, 1735 samples) and eleven diamond drillholes (CP4 (not assayed), CP5-CP6, CP11 and

CP16-CP22). No significant mineralisation was intersected. Soil sampling and costeaning was also completed at East Chester. In the Pinnacles area, detailed mapping of the new EAA grid was followed by a gradient array I.P survey, soil sampling (Ao – A1 horizon, 971 samples) and eight diamond drillholes (CP7-10, CP12-15) from south of Southern Trenches to Thomas's Tunnel. Best result was 8m @ 3% Zn in CP7 and CP9 at Thomas's Tunnel (Orr and Smith, 1975).

An honours thesis on the geology and mineralisation of the Chester-Pinnacles area was completed in 1974 by Stevens.

Preussag Aust. entered into a J.V with Comstaff in 1976 and commenced a program at the Pinnacles comprising geological mapping, costeaning, trial EM and two diamond drillholes at Southern Trenches (PIN1 – PIN2; 409m). Best result was 3.3m @ 2.7% Pb+Zn in PIN2 (Krummei, 1977). At Chester, Preussag completed additional geological mapping and drilled three diamond drillholes (CH1-CH3, 445m). No significant mineralisation was intersected (Perkin, 1977).

Comstaff resumed management of the license in 1977 and completed additional mapping, A horizon soil sampling (937 samples), auger sampling (128 samples) and S.P surveys across the EAA, EAB and EAD grids. Costeans were excavated and ground magnetic surveys were completed on the EAB and EAD grids with I.P surveys completed on the EAA and EAB grids. A Crone EM survey was completed on the EAB grid. On the East Chester grid (EAB) a weakly mineralised zone of siliceous (cherty) tuffs, containing up to 4.55% Zn, 33% Ba and 19.8g/t Ag with minor Pb and Cu was exposed in an access track, and was traced southwards by costeaning. No major sulphide zone was exposed (Hall, 1978). The EAA grid was extended to the north and additional soil sampling and ground magnetic traverses were completed. This work was largely north of EL48/2004 (Hall, 1979).

An honours thesis on the geochemical dispersion patterns in the Pinnacles-Boco area was completed in 1978 by Beamish.

EL 5/1963. Comstaff Pty Ltd; BHP Ltd. 1980-1988

Work during this period initially focused on the east Chester (EAB) area, where additional gridding, mapping, C horizon soil sampling and geophysical surveys (ground magnetics, I.P, S.P) were completed (Hall and Pigott, 1980; Anderson, 1982). This work was followed up with the drilling of four diamond drillholes (EAB1 – EAB4) with the best result from EAB3: 6.2m @ 1.5% Zn from 36.8m (Shaw, 1983). A Dighem III survey was flown over all except the most southern part of EL48/2004 during 1983 (Dvorak, 1983) with no significant anomalies identified.

In 1984 a new grid was established across the Southern Trenches to Browns Tunnel area (EAF grid) and a program of geological mapping, C horizon auger sampling (including Au assays) and a UTEM survey was completed. Fifteen drillholes were drilled in the Browns Tunnel area (ESB1, EAF1-EAF14) to follow up elevated gold values returned from soil and channel sampling. A preliminary resource of 110,000t @ 18.8% Zn, 6.6% Pb, 1.3% Cu, 122 g/t Ag and 4.1g/t Au was calculated, based on intersections from five drillholes (Shaw and Roberts, 1985). An additional four drillholes were completed in the Thomas's Tunnel (EAF15-EAF16) and Southern Trenches areas (EAF17-EAF18). Narrow bands of massive sulphide were intersected in EAF15, EAF16 and EAF18 (Mroczek, 1985).

BHP Minerals entered into a JV with Comstaff and Preussag in 1985 and a program of regional BLEG drainage sampling was completed. Several historic drillholes at the Pinnacles area were surveyed with downhole Sirotem. No significant anomalies were identified however BHP reported difficulties with the Sirotem surveys due to self-response effects (Anon, 1986).

During 1986 - 1988, a significant program of mapping, relogging and data compilation was completed and an extensive UTEM survey across the entire area covered by EL 48/2004 commenced (173 line km). This survey concluded in late 1987 and several weak UTEM responses were identified. These anomalies along with several additional geological targets including the Hollway Pyrite Zone, Chester and West Mt Kershaw areas were followed up with a program of power auger geochemical sampling (811 auger holes for 1127m). No significant anomalies were reported (Anon, 1987). A program of Lead and Sulphur isotope analyses was completed from mineralisation from the Pinnacles, Chester, East Chester and Hollway areas (Anon, 1988).

EL 44/1988. Pasmaenco Ltd, Noranda Ltd, Plutonic Ltd. 1989-2001

The license area initially covered the entire area of EL48/2004 and was explored as the Burns Peak Joint Venture. Initial exploration comprised a compilation and review of all Comstaff/BHP geophysical surveys and open file geophysical data, relogging of historic drillcore, 1:1000 scale mapping at Southern Trenches to Leo's Find, compilation of historic geochemistry and the drilling of four diamond drillholes at Southern Trenches – Browns Tunnel (BPD 62 – BPD 65). DHEM surveys were completed on BPD62 – BPD65 and historic drillholes EAF 9, EAF 11 and EAF14 and trial Mise a la Masse and CSAMT surveys were completed (Rosenhain and Mathison, 1989).

In August 1990, Pasmaenco commenced management of the JV and collected new aeromagnetic and gravity data across the license area. Three additional drillholes were drilled north of Browns Tunnel (BPD66, BPD69 and BPD70), two drillholes north of Leo's Find (BPD71, BPD72) and four drillholes at Mt Kershaw - Chester (BPD67, BPD68, BPD73 and BPD74). Best result was 6m @ 3% Zn+Pb, 0.55g/t Au from BPD66. Petrographic and litho-geochemical data was obtained from selected drillcore samples (including some oxygen isotope data) and minor wacker and rockchip sampling was completed to the east of the Leo's Find area, to the northeast of Chester and in the Mt Kershaw area (Kirsner et al 1991; Lorrigan, 1990). Honours theses were produced by Coutts (1990) on the Hollway Andesite, Reid (1990) on the geology of the Burns Peak – Boco Rd area and Boda (1991) on the geology and structure of the Chester deposit.

During 1992-1993 two diamond drillholes were drilled at the Summit prospect, east of Leo's Find (BPD76, BPD77) and an additional two diamond drillholes were completed at Browns Tunnel (BPD78, BPD79). Best result was 9.0m @ 2.5% Cu in a stringer sulphide zone from BPD78. High grade sulphide clasts were reportedly intersected in BPD77. DHEM surveys were completed on BPD66, BPD69, BPD71-74 and BPD76-77 and litho-geochemistry was conducted, primarily from andesites from the Hollway and Browns Tunnel area in addition to felsic volcanics from Chester. Dipole-dipole IP data was collected at Hollway-Cone Hill and South Kershaw (largely south of EL 48/2004), which identified chargeability anomalies at both areas (Kirsner, 1992; Poltock et al, 1993).

A follow-up hole was drilled at the Summit prospect (BPD80) down dip from BPD77. Three additional diamond drillholes were completed at Browns Tunnel (BPD81, BPD82 and BPD85) and historic drillholes EAF2 and CP7 were extended. Best result was 0.5m @ 17.8% Zn, 8.3% Pb, 2.7% Cu and 15.5 g/t Au from BPD85. Drillhole BPD83 was drilled into the Hollway pyrite zone, which intersected a wide interval of intense silica-pyrite alteration. A Mise-a-la-Masse survey was completed on BPD78 at Browns Tunnel, ground magnetic traverses were completed on the Southern Trenches – Browns Tunnel area and DHEM surveys were completed on BPD78-85. Additional mapping was undertaken at the Cone Hill – Hollway area and MMI soil geochemistry was trialled in the Brown Tunnel to Shale Basin area. No significant anomalies were identified (Poltock and Saxon, 1994; Saxon, 1995).

In 1996, work at Browns Tunnel focused on assessing the potential for a near surface, open pitable resource and five shallow diamond drillholes were completed (BT1 – BT5). Relogging of historic drill core and additional petrography lead to a new geological interpretation and a provisional inferred resource for Lens 1 was calculated (190,000t @ 7.7% Zn, 2.8% Pb, 0.7% Cu, 0.98g/t Au and 48g/t Ag). Regridding of the Brown's Tunnel to Southern Trenches area was followed by ground magnetic traverses, soil sampling (583 samples) and mapping. At Southern Trenches rockchip sampling, trenching (seven trenches ST1 – ST7) and RC drilling (STRC1 – STRC7) was completed (Quayle and Dibben, 1996; Weber et al, 1997). Best result was 13m @ 11.7% Zn, 7.9% Pb, 9g/t Au and 0.6% Cu from STRC5. Additional mapping and rockchip sampling was undertaken at Cone Hill and IP and ground magnetic surveys were completed at Hollway (mainly east of EL48/2004; Quayle and Dibben, 1996). A review of previous data included digitizing previous open file and PasmaInco geochemistry datasets (Weber et al, 1997).

The Brown's Tunnel resource was refined by an additional 11 diamond drillholes (001B – 008B, 011B – 013B) which resulted in an inferred resource of 90,000t @ 7.4% Zn, 1.9% Pb, 0.9g/t Au, 49g/t Au (Edwards et al, 1998). At Southern Trenches an additional four diamond drillholes (009B, 010B, 014B and 015B) resulted in an inferred resource of 10,000t @ 23.4% Zn, 18.3% Pb, 2.1% Cu, 12.1g/t Au and 96g/t Ag (Edwards et al, 1998). Metallurgical testwork indicated that the Southern Trenches and Browns Tunnel mineralisation was suitable for the Rosebery mill. An orientation partial leach soil survey line was completed across Southern Trenches and five additional lines of soil samples were collected for partial leach analysis south of the Southern Trenches / Cone Hill area. Dipole-dipole IP data was also collected from these five lines.

Following a pre-feasibility review, PasmaInco concluded that the Browns Tunnel deposit was un-economic and Hercules Resources entered into an arrangement with PasmaInco. An additional five shallow diamond drillholes were completed at Southern Trenches (STM1 – STM5, also referred to as 016B – 020B), which confirmed the earlier PasmaInco resource. The Southern Trenches to Leo's Find area was then incorporated into ML 20M/2000 (Edwards and Parfrey, 1999; Edwards and Denver, 2000).

The southern part of the license was relinquished and additional partial leach soil sampling was completed to the immediate south of Southern Trenches (538 samples). Several anomalies were identified and a shallow diamond drillhole (STD1) was drilled to test a partial leach anomaly, intersecting minor base metal mineralisation (1.0m @ 2.0% Zn from 76m). An honours thesis on the isotopic systematics of the Southern

Trenches area was submitted (Woolford, 2000). A small program of partial leach soil sampling in the Leo's Find – Summit area (163 samples) was completed during 2001 following which the license was relinquished (McNeill 2001).

EL 21/1998. Pasmaenco Exploration. 1998-1999

The license comprised part of the relinquished part of EL44/1988, predominantly west of the Rosebery Fault in the southwestern part of EL48/2004. Exploration on EL21/1998 was contiguous with exploration on the neighbouring EL44/1988 and comprised a dipole-dipole IP survey and limited partial leach soil sampling (35 samples). No significant anomalies were identified and the license was subsequently relinquished (Parfrey and Simpson, 1999).

EL 35/2000. AurionGold Exploration Pty Ltd. 2001-2003

This license covered the southern part of EL48/2004, south of Cone Hill and west of Chester. Exploration conducted by AurionGold comprised relogging of historic drillholes from the Chester area, compilation of drilling, soil and rockchip data and reprocessing of Pasmaenco IP data. A program of PIMA, XRD and lithochemistry of drillcore samples was also completed (Vicary, 2002). Several recommendations were made however the license was relinquished after AurionGold was taken over by Placer Dome.

EL 20/2001 AurionGold Exploration Pty Ltd. 2001-2003

EL20/2001 covered the northern part of EL48/2004, surrounding ML 20M/2000. Exploration work by AurionGold comprised reprocessing of Pasmaenco IP data (in conjunction with EL35/2000) and the collection of C horizon soil samples in the northeastern part of the license (35 samples). Similarly to EL35/2000, the license was relinquished following a corporate takeover of AurionGold (Vicary, 2003).

EL 48/2004 Zinifex Exploration 2004+

EL48/2004 was granted to continue the focus of exploration close to the Rosebery Mine Lease. A geological compilation of the northern portion of the licence and relogging of historic drilling in this area was conducted by Dr Keith Corbett as documented in Skirka, 2007. Parts of this area were sampled for partial leach analysis (564 samples) and reported in Hicks, 2007. The work by Dr Corbett in 2006 continued into the second year of the licence, and this further work is also described in Hicks, 2007.

The partial leach soil sampling assays illustrated some typical problems with this method, but through this there are 3 areas of anomalous responses. Two of these areas sit over known mineralisation (and have not been recommended for additional follow-up) and the third is on a separate lease. The only recommendation of this work was to extend the sampling to the south, past a single point anomaly on line 5383000mN, which may overly the southern extension of the Burns Peak shear zone.

Hicks,2008, describes a phase of work that included a review and re-interpretation of the historic IP data collected in the 1990's across the entire tenement by Pasmaenco; partial leach soil sampling across new and refurbished gridlines in the southern portion of the licence (809 samples, plus 39 standards and duplicates) and an airborne EM (VTEM) survey.

Results from the soil sampling program indicate that the best anomalies are multi-element features to the south of the Chester deposit in poorly defined Tyndall Group lithologies. IP features are considered coincident with these soil anomalies. The VTEM survey detected an anomalous response in early and mid times adjacent to the Chester deposit, which has support from the IP data and nearby partial leach soil anomalism.

6. WORK COMPLETED 2008-2009 REPORTING PERIOD

Work carried out by OZ Minerals and MMG during this reporting period was confined to a review of the published geology from a variety of sources, dominantly Mount Read Volcanics compilations by the Geological Survey of Tasmania, and previous exploration, by budget constraints imposed by the Global Financial Crisis.

As a result of this data review a zone of permissive geology, untested by drilling, was noted in the Hollway Creek area. This area was selected for future follow-up.

7. CONCLUSIONS and RECOMMENDATIONS

A review of the published geology from a variety of sources, dominantly Mount Read Volcanics compilations by the Geological Survey of Tasmania, and previous exploration identified a zone of permissive geology (Rosebery hanging Wall sequence), untested by drilling, adjacent to and lying east of the Rosebery Fault.

This permissive geology in the Hollway Creek area is considered a drill target and a diamond drill hole will be sited in the area for drilling in 2010.

8. EXPENDITURE

Total expenditure for all work undertaken by OZ Minerals (Exploration) within Mt Kershaw EL 48/2004, for the period ending 23rd October 2009 was **\$24,393**

A detailed expenditure statement is given below.

Personnel	\$24,456.00
Contract Field Support	\$0.00
Geoscience Consultants	\$1,992.00
Track Cutting, Gridding	\$0.00
Geochemical/Assays	-\$9,470.00
Diamond Drilling	\$0
Other Contractors (roadworks)	\$0.00
Stores & Supplies	\$0.00
Vehicles, Plant & Maintenance	\$1,319.00
Land & Environment	\$559.00
Equipment Hire	\$0.00
Depreciation, Office, Sundry	\$3,319.00
Administration Fee 10%	\$2,217.50
Total	\$24,392.50

9. KEYWORDS & LOCALITY

Keywords

Hollway Creek, Chester, geology, geological mapping, Rosebery Fault

Locality

1:250,000 BURNIE SK55-3

1:100,000 SOPHIA 8014

1:25,000 PARSONS 3638;

10. REFERENCES

- Anderson, B.E., 1982. Progress report on Chester-Pinnacles EL 5/63 Part 4. Unpub. Comstaff Pty. Ltd. Report (TCR 83-1903).
- Anon, 1969. Review of 1968-1969 summer exploration programme EL5/63. Unpublished company report. Comstaff Pty. Limited. (TCR 69-0602).
- Anon, 1970. Review of 1969-1970 exploration programme EL5/63. Unpublished company report. Comstaff Pty. Limited. (TCR 70-0706).
- Anon, 1986. EL 5/63, Comstaff JV, NW Tasmania. Report for the Year ended 30 June 1987. Unpub. BHP Pty Ltd. Report (TCR 86-2571).
- Anon, 1987. EL 5/63, Comstaff JV, NW Tasmania. Report for the Year ended 30 June 1987. Unpub. BHP Pty Ltd. Report (TCR 87-2690).
- Anon, 1988. EL 5/63, Comstaff JV, NW Tasmania. Final report on the relinquished area: results of exploration for 1987-1988 and a summary of activities for the period 1963-1988. Unpub. BHP Pty Ltd. Report (TCR 88-2815).
- Augustinius, P.C., and Nichol, S., 1999. Ground-penetrating radar imaging of Pleistocene sediments, Boco Plain, Western Tasmania. *Aust. J. Earth Sci.* 46:275-282.
- Beamish, B.B., 1978. Geochemical dispersion patterns in the Pinnacles-Boco area, Western Tasmania. Unpub. BSc (Hons) thesis, University of Tasmania, Hobart.
- Boda, S.P. 1991. The geology, structural setting and genesis of the Chester Mine, Northwest Tasmania. Unpub. BSc (Hons) thesis, University of Tasmania, Hobart.
- Boniwell, J. 1959. The Pinnacles-Chester area, Tasmania. Part 2 Geophysical Survey. Unpublished company report. Rio Tinto Australian exploration Pty Ltd. (TCR 59-0278A).
- Brown, A.V., 1986. Geology of the Dundas-Mt Lindsay Mt Youngbuck Region. *Geology Survey Tasmania Bull.* 6. Tasmanian Department of Mines, Hobart.
- Corbett, K.D. 2002. Updating the geology of the Mt Read Volcanics belt. *Tasmanian Geological Survey Record* 2002/19. Mineral Resources Tasmania, Hobart.
- Cottle, V. M. 1949. Second report on Pinnacles Silver-Lead-Zinc, North Pieman. Unpublished company report. Electrolytic Zinc Co. of Australasia Limited. (TCR 02-4791).
- Cottle, V. M. 1950 Fourth report on Pinnacles Silver-Lead-Zinc, North Pieman. Unpublished company report. Electrolytic Zinc Co. of Australasia Limited. (TCR 02-4792).
- Coutts, B.P., 1990. The geology, geochemistry and hydrothermal alteration of the Hollway Andesite, Western Tasmania. Unpub. BSc (Hons) thesis, University of Tasmania, Hobart.
- Crawford, A.J., and Berry, R.F., 1992. Tectonic Implications of the Late Proterozoic - Early Palaeozoic Igneous Rock Associations in Western Tasmania. *Tectonophysics*, 214:37-56.

- Dvorak, Z., 1983. DIGHEM III survey of the East Chester, North Pieman and Arthur River Areas, Tasmania. Unpubl. DIGHEM Ltd report for Comstaff Pty (TCR 84-2129).
- Edwards, P.W, Murphy, F.C, and Whitbread, M. 1999. Burns Peak EL44/88. Joint Venture Annual Report November 1997 – 31st December 1998. Unpub. Pasminco Rosebery Mine Report. (TCR 99-4262).
- Edwards, P.W, and Parfrey, O. 1999. Burns Peak EL44/88. Joint Venture Annual Report 1st January 1999 - 31st October 1999. Unpub. Pasminco Rosebery Mine Report. (TCR 99-4394).
- Edwards, P.W, and Denwer, K. 2000. Burns Peak EL44/88. Joint Venture Annual Report 1st November 1999 - 31st October 2000. Unpub. Pasminco Rosebery Mine Report. (TCR 01-4515).
- Everett, M.P. 1971. Chester-Pinnacles regional interim report. September 1971. Unpublished company report. Aust. Anglo American Limited. (TCR 85-2394).
- Hall, G. 1947. First report on Pinnacles Silver-Lead-Zinc, North Pieman. Unpublished company report. Electrolytic Zinc Co. of Australasia Limited. (TCR 02-4793).
- Hall, D.B., 1978. Report on Exploration in EL 5/63, Part 4, in Tasmania, Australia. Unpub. Comstaff Pty Ltd. Report (TCR 85-2439).
- Hall, D.B., 1979. Report on work completed on EAA grid Extensions (EL 5/63 Part 4). Unpub. Comstaff Pty. Ltd. Report (TCR 79-1359).
- Hall, D.B., and Pigott, G.F., 1980. East Chester EAB Grid exploration report for 1980, EL 5/63, Section 4. Unpub. Comstaff Pty Ltd. Report (TCR 80-1413).
- Hicks, D.J., 2007. Mt Kershaw EL 48/2004. Annual Technical Report for the period ending 23rd November 2007. Unpub. Zinifex Exploration Report (BP122).
- Hicks, D.J., 2008. Mt Kershaw EL 48/2004. Annual Technical Report for the period ending 23rd November 2008. Unpub. Zinifex Exploration Report (BP123).
- Keele, R.A., 1991. The Zeehan - Red Hills - Lake Selina Traverse - A Domain Approach to the Analysis of Structural Data. CODES: AMIRA Project P291 - Structure and Mineralisation in Western Tasmania. November 1991.
- Kirsner, L.W., 1992. EL44/88 Burns Peak Annual report for the period November 1991 - October 1992. Unpub. Pasminco Exploration Report T92-15 (TCR 92-3406).
- Kirsner, L.W., Lorrigan, A.N., and Rae, H.C., 1991. EL44/88 Burns Peak Annual report for period November 1990 - October 1991. Unpub. Pasminco Exploration Report T91-13 (TCR 91-3310).
- Krummei, G. 1977. Progress Report on the Pinnacles Area, Comstaff Joint Venture, Tasmania, Australia. Unpublished company report. Preussag Australia Pty. Ltd. (TCR 85-2421).
- Lorrigan, A.N., 1990. EL44/88 Burns Peak Annual Report for the period November 1989 - October 1990. Unpub. Pasminco Exploration Report T90-1 (TCR 90-3203).
- McNeill, A.W. 2001. Burns Peak EL 44/88. Annual and Final Relinquishment Report

- for the period 1st November 2000 – 31st May 2001. Unpub. Pasminco Exploration Report (TCR 01-4567).
- Mroczek, C.R. 1985. Interim report on the EAF15-18 Drilling programme, Chester-Pinnacles EL5/63 Part 4. Unpublished company report. Australian Anglo American Limited. (TCR 85-2382).
- Muceniekas, E. 1959. The Pinnacles-Chester area, Tasmania. Part 1 Geochemical Survey. Unpublished company report. Rio Tinto Australian Exploration Pty Ltd. (TCR 59-0278).
- Orr, D.B and Smith, R.N. 1975. Interim Report to the Department of Mines, Tasmania, September 1975. Unpublished company report. Australian Anglo American Limited. (TCR 75-1124).
- Parfrey, O. and Simpson, K.L. 1999. First Annual and Final Technical Report for the period November 1998-99. Unpub. Pasminco Exploration Report (TCR 00-4414).
- Poltock, R.A., Kirsner, L.W., and Saxon, M.S., 1993. Burns Peak Annual Report for the Period November 1992 - October 1993. Unpub. Pasminco Exploration Report T93-16 (TCR 93-3523).
- Poltock, R.A., and Saxon, M.S., 1994. Burns Peak Annual Report for the Period November 1993-October 1994. Unpub. Pasminco Exploration Report T94-13 (TCR 94-3654).
- Perkin, D.J. 1977. Interim report on the Chester Area. Unpublished company report. Preussag Australia Pty. Ltd. (TCR 85-2396).
- Quayle, P.M. and Dibben, .S.M., 1996. Burns Peak EL 44/88 Joint Venture Annual Report, Period Ending October 1996. Unpub. Pasminco Exploration Report TA-30 (TCR 96-3945).
- Reid, A.M. 1918. The North Pieman and Huskisson and Sterling Valley Mining Fields. Geological Survey Bulletin 28. Department of Mines. Hobart.
- Reid, R.O., 1990. The geology of the Burns Peak – Boco Road Area. Unpub. BSc (Hons) thesis, University of Tasmania, Hobart.
- Rosenhain, A.N. and Mathison, I.J., November 1989. EL44/88 Burns Peak. Annual Report on Exploration Activity. January 1989 - October 1989 (TCR 89-3059).
- Saxon, M.S., 1995. Burns Peak Annual Report for the period November 1994 - October 1995. Unpub. Pasminco Exploration Report T95-19 (TCR95-3803).
- Shaw, R.W.L., 1983. Report to the Mines Department of Tasmania for the period 1st January to 30th June 1983. Summary of work completed, in progress and proposed for EL 5/63. Unpublished Comstaff Pty. Ltd. Report (TCR83-1983).
- Shaw, R.W.L and Roberts, R.H. 1985. Brown Tunnel Resource, Pinnacles EL5/63, Area 4. Unpublished Comstaff Pty. Ltd. Report
- Skirka, M., 2006. Mt Kershaw EL 48/2004. Annual Technical Report for the period ending 23rd November 2006. Unpub. Zinifex Exploration Report (BP120).
- Vicary, M. 2002. 2001-2002 Annual Report, Tasmanian Gold Project, Mt Kershaw

- EL35/2000. Unpub. Auriongold report. (TCR 02-4663).
- Vicary, M. 2003. 2001-2002 Annual Report, Tasmanian Gold Project, Burns Peak EL20/2001. Unpub. Auriongold report. (TCR 03-4839).
- Weber, G.B., Dibben, S.M and Murphy, F.C., 1997. Burns Peak EL 44/88, Joint Venture Annual Report for the Period Ending October 1997. Unpub. Pasminco exploration Report VC 188 (TCR 97-4085).
- Woolford, A. 2000. Geology and Genesis of the Southern Trenches Mineralisation, Burns Peak. Unpub. BSc (Hons) thesis, University of Tasmania, Hobart.