

Suite 1,16 Brodie Hall Drive Bentley, WA, Australia, 6102. PO Box 1067 Technology Park DC Bentley, WA, Australia, 6983. Tel: +61 8 6250 8100 Fax: +61 8 6250 8199

Anglo American Exploration Australia Pty. Ltd. A.C.N. 006 195 982

EL23942 "Glyde" First Annual Report

For the Period 22/01/2004 - 21/01/2005

Volume 1 of 1

| Tenure | |
|--------------|---|
| Holder: | Anglo American Exploration (Australia) Pty Ltd |
| Tenement | |
| Operator: | Anglo American Exploration (Australia) Pty Ltd |
| Compiled By: | Trudi Kennedy |
| Date: | 20 th February 2005 |

Distribution

Department of Business Industry and Resource Development, NT -(1) Anglo American Exploration (Australia) Pty Ltd – Perth Office (2)

This report and its contents are confidential. All rights to the report and its contents (including, without limitation, rights to confidential information and copy right in all works (including photographs, diagrams, charts, maps and graphs) comprised in the report) remain the property of Anglo American Exploration (Australia) Pty Ltd. No part of this report nor of the information contained in it may be disclosed to any person without the consent of Anglo American Exploration (Australia) Pty Ltd. No part of this report nor of the information contained in it may be disclosed to any person without the consent of Anglo American Exploration (Australia) Pty Ltd. No part of this report nor of the information contained in it may be reproduced (including by being stored in any form), transmitted, published or used for any purpose without the consent of Anglo American Exploration (Australia) Pty Ltd.

SUMMARY

Exploration Lease 23942 "Glyde" covers an area of 391km² and is located within the McArthur Basin near the Gulf of Carpentaria, Northern Territory, approximately 70 km south of Borroloola, on the Bauhinia Downs 1:250,000 map sheet. Anglo American Exploration (Australia) Pty Ltd was granted the lease on 22nd January 2004 for a period of six years. The lease now forms part of a regional exploration project that Anglo American Exploration (Australia) Pty Ltd is undertaking within the Batten Trough.

The exploration target is sediment hosted massive sulphide Zn-Pb deposits. Results of previous exploration by Rio Tinto Exploration in the area have confirmed the favourable geological setting and Zn-Pb prospectivity of the subbasin. The sub-basin remains a quality "grassroots" exploration target that Anglo American Exploration (Australia) Pty Ltd intends to test as part of their larger Batten Trough Project.

During the first year of the lease work conducted has comprised of a review of all previous exploration in the Batten Trough dating back over 40 years, reinterpretation of this data and selection of suitable target areas with the potential to host 'world-class' orebodies. This has involved data gathering and review, geoscientific desktop studies, study of drill core from previous exploration, organising ground access and logistical preparation for the next field season.

Keywords

EL23942, Glyde, Middle Proterozoic, McArthur Basin, Batten Trough, Zinc, Lead, Base Metals, Emu Fault Zone, Batten Subgroup, Umbolooga Subgroup, Roper Group, Bukalara Sandstone, Tooganinie Formation, Leila Sandstone, Myrtle Shale, Mara Dolomite Member, Mitchell Yard, Dolomite Member, Barney Creek Formation, Reward Dolomite, Caranbirini Member, Hot Spring Member, Lynott Formation, McArthur River (HYC) Zn-Pb-Ag deposit.

TABLE OF CONTENTS

| TABLE OF CONTENTSII1. INTRODUCTION12. TENURE13. EXPENDITURE24. REGIONAL GEOLOGY25. EXPLORATION RATIONALE36. PREVIOUS EXPLORATION37. EXPLORATION CONDUCTED48. PROPOSED FUTURE EXPLORATION59. CONCLUSION510. REFERENCES5 | SUMMARY |
|--|--------------------------------|
| 1. INTRODUCTION 1 2. TENURE 1 3. EXPENDITURE 2 4. REGIONAL GEOLOGY 2 5. EXPLORATION RATIONALE 3 6. PREVIOUS EXPLORATION 3 7. EXPLORATION CONDUCTED 4 8. PROPOSED FUTURE EXPLORATION 5 9. CONCLUSION 5 10. REFERENCES 5 | FABLE OF CONTENTS |
| 2. TENURE 1 3. EXPENDITURE 2 4. REGIONAL GEOLOGY 2 5. EXPLORATION RATIONALE 3 6. PREVIOUS EXPLORATION 3 7. EXPLORATION CONDUCTED 4 8. PROPOSED FUTURE EXPLORATION 5 9. CONCLUSION 5 10. REFERENCES 5 | 1. INTRODUCTION |
| 3. EXPENDITURE 2 4. REGIONAL GEOLOGY 2 5. EXPLORATION RATIONALE 3 6. PREVIOUS EXPLORATION 3 7. EXPLORATION CONDUCTED 4 8. PROPOSED FUTURE EXPLORATION 5 9. CONCLUSION 5 10. REFERENCES 5 | 2. TENURE |
| 4. REGIONAL GEOLOGY2 5. EXPLORATION RATIONALE3 6. PREVIOUS EXPLORATION3 7. EXPLORATION CONDUCTED4 8. PROPOSED FUTURE EXPLORATION5 9. CONCLUSION5 10. REFERENCES5 | 3. EXPENDITURE |
| 5. EXPLORATION RATIONALE | 4. REGIONAL GEOLOGY2 |
| 6. PREVIOUS EXPLORATION3 7. EXPLORATION CONDUCTED4 8. PROPOSED FUTURE EXPLORATION5 9. CONCLUSION5 10. REFERENCES5 | 5. EXPLORATION RATIONALE |
| 7. EXPLORATION CONDUCTED | 6. PREVIOUS EXPLORATION |
| 8. PROPOSED FUTURE EXPLORATION | 7. EXPLORATION CONDUCTED4 |
| 9. CONCLUSION | 8. PROPOSED FUTURE EXPLORATION |
| 10. REFERENCES | 9. CONCLUSION |
| | 10. REFERENCES |

LIST OF TABLES

Table 1Sub-blocks that comprise EL23942

LIST OF FIGURES

| Figure 1 | Location Pla | n | EL23942_2004_A_02_Tenement_Location_plan.pdf |
|----------|--------------|---------|--|
| Figure 2 | Regional | Geology | EL23942_2004_A_03_Regional_Geology_Map.pdf |
| | Мар | | |

1

LIST OF APPENDICES

| Appendix 1 | Expenditure | EL23942_2004_A_04_Expenditure_ | Reporting.pdf |
|------------|-------------|--------------------------------|---------------|
| | | | |

1. INTRODUCTION

This report outlines the exploration activities conducted on EL23942 "Glyde" during the period 22nd January 2004 to 21st January 2005. Anglo American Exploration (Australia) Pty Ltd (AAEA) was granted the lease on 22nd January 2004 for a period of six years. EL23942 now forms part of a regional exploration project that Anglo American Exploration (Australia) Pty Ltd is undertaking within the McArthur Basin. The other leases within the Project include EL23496, EL23497 and EL23635 held by AAEA and EL7294, EL10103, EL10317, EL10329, EL10316 and EL23676 being explored in Joint Venture with Rio Tinto Exploration Pty Ltd (North Mining Limited).

EL23942 is located approximately 70km south of Borroloola and 25 km east of McArthur River in the Northern Territory on the Bauhinia Downs (SE53-03) 1:250,000 map sheet and the Glyde (6164) 1:100,000 map sheet. The Carpentaria Highway is located to the northwest of the project area and station tracks give access to the lease. Off road vehicle access is difficult in parts due to the rugged terrain.

Results of previous exploration by Rio Tinto Exploration Pty Limited's in the area have confirmed the favourable geological setting and Zn-Pb prospectivity of the sub-basin. The sub-basin remains a quality "grassroots" exploration target that Anglo American Exploration (Australia) Pty Ltd intends to test as part of its larger Batten Trough Project.

2. TENURE

Figure 1 shows the Lease Plan and the table below shows the 119 sub blocks, on the Bauhinia Downs 1:250,000 map sheet, that comprise the lease.

| Block | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Α | В | С | D | Е | F | G | н | J | κ | L | Μ | Ν | 0 | Ρ | Q | R | S | Т | U | V | W | Χ | Y | Ζ |
| 626 | | | | | | Х | Х | Х | | | Х | Х | Х | | | Х | Х | Х | Х | Х | X | Х | Х | Х | Χ |
| 627 | | | | | | | | | | | | | | | | Х | | | | | Χ | | | | |
| 698 | Χ | Х | Х | Х | Х | Х | Х | Х | Х | Х | Х | Х | Х | Х | Х | Х | Х | Х | Х | Х | Χ | Х | Χ | Χ | Χ |
| 699 | Χ | | | | | Х | | | | | Х | | | | | Х | | | | | Χ | | | | |
| 770 | Χ | Х | Х | Х | Х | Х | Х | Х | Х | Х | | Х | Х | Х | Х | | Х | Х | Х | Х | | Х | Χ | Χ | Χ |
| 771 | Χ | Х | Х | Х | Х | Х | Х | Х | Х | Х | Х | Х | Х | Х | Х | Х | Х | Х | Х | Х | Χ | Х | Χ | Χ | Χ |
| 772 | | | | | | | | | | | | | | | | Х | | | | | Χ | | | | |
| 842 | | Х | Х | Х | Х | | Х | Х | Х | Х | | | | Х | Х | | | | | | | | | | |
| 843 | Χ | Х | Х | Х | Х | Х | Х | Х | | | Х | Х | Х | | | | | | | | | | | | |
| 844 | Χ | | | | | | | | | | | | | | | | | | | | | | | | |

Table 1. Sub-blocks that comprise EL23942.

3. EXPENDITURE

Expenditure for the current year is included in Appendix 1.

4. REGIONAL GEOLOGY

EL23942 "Glyde" is located within the Middle Proterozoic McArthur Basin of northern Australia. The Batten Trough is a 70km wide north-trending synsedimentary graben or half-graben that is defined to the east by the Emu Fault Zone. The McArthur Group sediments within the Trough are comprised of the Batten and Umbolooga Subgroups and are approximately 4.5km thick. The onlapping Younger Roper Group sediments obscure the western margin. Generally the Proterozoic rocks have only undergone minor folding and faulting. The basin sediments were generally deposited in shallow water marine to sabka environments.

The following geological descriptions are from the Bauhinia Downs 1:250,000 map sheet (De Ross, G, et al., 1992). The Cambrian Bukalara Sandstone, a fineto very coarse-grained friable sandstone that is thin to very thick bedded, dominates the lease area. In the south of the lease and along drainage systems there are occurrences of Cainozoic gravel, sand, silt and alluvium. The following Proterozoic units represent the Umbolooga Subgroup within the lease. There are small outcrops of the Tooganinie Formation in the centre and southwest portion of the lease. This unit is contains dololutite, stromatolitic dololutite, dolomitic shale and siltstone. A minor outcrop in the southwest of the lease represents the Leila Sandstone. This unit consists of dark grey-weathering dolomitic sandstone: fine- to coarse-grained, poorly sorted, thin- to medium-bedded, commonly crossbedded and rippled. Thin interbeds of sandy dolostone also occur. The Myrtle Shale crops out in the southwest of the lease. It is a thin-bedded to laminated, commonly dolomitic siltstone, shale, dololutite (in places stromatolitic) and finegrained sandstone. Halite casts are also common. There are small outcrops of the Mara Dolomite Member in the centre and the southwest of the lease. This unit is comprised of dololutite, stromatolitic dololutite, dolomitic siltstone, dolarenite and dolomitic breccia. The central west of the lease contains outcrops of the Mitchell Yard Dolomite Member. This is a massive, dark grey, karsticweathering crystalline dololutite. The Barney Creek Formation is represented by a small occurrence in the central eastern portion of the lease. This unit is a thinbedded to laminated, dolomitic, carbonaceous and pyritic shale and siltstone with dololutite and rare breccia and sandstone. Minor outcrops of the Reward Dolomite crop out on the central eastern margin of the lease. This unit consists of dololutite, stromatolitic dololutite, silty dololutite and dolarenite with lesser sandy dolarenite, dolorudite and sandstone; laminated, thin- to massive-bedded, crossbedded, brecciated and slumped.

The Caranbirini Member and Hot Spring Member of the Lynott Formation represent the Batten Subgroup. There are minor occurrences of the Caranbirini Member on the central/eastern margin of the lease. This unit is a thin-bedded dolomitic siltstone and shale (in part carbonaceous and pyritic), with silty dololutite, dololutite, minor fine-grained dolarenite and lenses of slump breccia. The Hot Spring Member crops out in the northeast of the lease as minor occurrences. This is a thin-bedded dolomitic siltstone and silty dololutite with interbeds of fine-grained sandstone, chertified stromatolitic dolostone, dolarenite, sandy dolarenite and dolomitic sandstone.

Government mapped geology is included as Figure 2.

5. EXPLORATION RATIONALE

Previous exploration results by other companies in the area had confirmed the favourable geological setting and Zn-Pb prospectivity of the sub-basin. The target sought is sediment hosted massive sulphide Zn-Pb deposits similar to those that occur at Mt Isa, Century (within the Lawn Hill Formation) or the McArthur River mine. The sub-basin remains a quality "grassroots" exploration target that Anglo American Exploration (Australia) Pty Ltd intends to test as part of their larger Batten Trough Project.

6. PREVIOUS EXPLORATION

A number of companies have conducted base metal and diamond exploration in the Glyde River region. The following is a brief synopsis of the most recent base metal exploration that covers part of the current EL23942. In addition CRA Exploration conducted exploration for diamond deposits.

BHP minerals conducted exportation on a number of leases from 1994 to 1997. The leases included EL9503 (covering the western edge of EL23942), EL9120 (covering the southeast portion of EL23942), EL8629 (including the southern/central portion of EL23942) and EL8133, which covered the majority of the western half of EL23942 and was conducted in joint venture with Ashton Mining. An airborne EM survey was flown but no conductors were identified. As part of this programme EL7575 was also explored. This lease covered the northwest corner of AAEA's current lease. Exploration included airborne EM and ground TEM surveys, rock chip and soil sampling (97 samples over seven lines) with no significant results. A TEM anomaly was tested by one percussion hole (BDP010) however no prospective lithologies were intersected. Stream sediment sampling identified a large low-level Pb anomaly at Little Creek. Soil sampling followed this up along with six RC drill holes (628m) however no elevated geochemistry was revealed in the drill samples.

Ashton Mining and BHP Minerals explored EL7269 during 1991 to 1995. This lease covered the western half of AAEA's current lease. Airborne EM was flown however no targets were defined. Geochemical surveys also failed to identify any significant anomalies.

EL5788 was explored in the early 1990's by a consortium including Quilpie, Top End Resources, Noranda Pty Ltd, Perilya Mines, Lindner, T.P. and MIM Limited. EL5788 only covered the small northern portion of current EL23942. Work on this lease included aeromagnetic and QUESTEM surveys, rock chip and soil sampling. Aeromagnetic surveys defined a number of structures in the Myrtle Sub-basin parallel to the Emu Fault and a number of magnetic responses that required further investigation. Twenty-seven stream sediment surveys were completed and 226 soil samples were collected as follow up. However the lease was relinquished due to lack of significant results.

In 1982 EL2588 (covering the northern portion of EL23942) was explored for base metals by a joint venture of Ashton Mining, The Shell Company of Australia Limited – Minerals, AO Australia, Electrolytic Zinc Company, Penarroya Australia and Preussag Australia. The lease was relinquished due to the extensive cover of Bukalara Sandstone making exploration difficult.

The Shell Company of Australia explored EL2423, covering only a small portion of the southwest corner of EL23942, during 1982. Activities included soil and rock chip sampling for base metals. Exploration confirmed the high background base metal values of the Wollogorang Formation.

Amoco Minerals Australia Company, The Shell Company of Australia – Minerals, CRA Exploration and Kennecott Exploration (Australia) explored the base metal and petroleum/gas potential of a number of leases in the area between 1979 and 1986. EL1331 and EL1330 together covered the whole of current EL23942. Aerial EM and gravity surveys were flown. Drilling for petroleum was also conducted but it was concluded that there was little potential for stratiform base metal ores.

7. EXPLORATION CONDUCTED

Work carried out on EL 23942 since the lease was granted has comprised of a review of all previous exploration in the Batten Trough dating back over 40 years, reinterpretation of this data and selection of suitable target areas with the potential to host 'world-class' orebodies. This has involved data gathering and review, geoscientific desktop studies, study of drill core from previous exploration, organising ground access and logistical preparation for the next field season.

8. PROPOSED FUTURE EXPLORATION

Future work planned on this lease includes compilation of geological data sets, geological mapping and reconnaissance investigations with subsequent regional stream sediment and rock chip sampling and ground TEM surveys; see Appendix 1.

9. CONCLUSION

EL 23942 is being explored for Zn-Pb deposits of the Mt Isa, Century (within the Lawn Hill Formation) or the McArthur River mine type. Work carried out since the lease was granted has comprised of a review of all previous exploration in the Batten Trough dating back over 40 years, reinterpretation of this data and selection of suitable target areas with the potential to host 'world-class' orebodies confirming the prospectivity of the region. Future work planned may include further compilation of geological data sets, geological mapping and reconnaissance investigations with subsequent regional stream sediment and rock chip sampling and ground geophysical surveys.

10. REFERENCES

Bornman, J. C., 1982. Annual & final report on EL2588, Amelia South, N.T. Ashton Mining; Shell Company of Australia; A O Australia; Electrolytic Zinc Company; Penarroya Australia; Preussag Australia. CR1982-0231.

Brown, I. R., Brescianini, R. F., Jones, B., 1997. Annual report for period ending 21-01-1996, Mallapunyah project, ELs 7575, 7577, 7944, 8322 and 8360. BHP Minerals. CR1997-0047.

Bruce, I. N., 1993. ELs 5605, 5649, 5650, 5787, 5788 & 6235, McArthur River regional joint venture NT fifth annual report year ending 12th July 1993. Quilpie; Top End Resources; Noranda Pty Ltd; Perilya Mines; Lindner, T.P; MIM Limited. CR1993-0561.

Carpentaria Exploration Company, 1977. Extract from Progress report for year ending 20-12-72, Amelia Springs. CR1977-0019.

Carpentaria Exploration Company, 1977. Geological logs, Barney Creek. CR1977-0018.

Crase, N. J., 1982. Final Report on exploration, Mallapunyah, N T. Shell Company of Australia. CR1982-0148.

De Ross, G., Pietsch, B.A., Wyche, S., Creaser, P.M., Rivers, C., Rawlings, D.J., Surono, I.R., Jackson, M.J., Muir, M.D., Plumb, K.A., 1992. Bauhinia Downs (SE53-03) 1:250,000 Geological Series. Northern Territory, Department of Mines and Energy.

Lewis, L., Nunn, T. L., 1997. Final report exploration licence 8133 "William Creek" 24th September, 1993 to 23rd September, 1997. Ashton Mining. CR1997-0756.

Logan, R. G., 1994. Relinquishment report ELs 5605, 5649, 5650, 5787, 5788, 5877, 6236. McArthur River, NT. Quilpie Pty Ltd; Noranda Pty Ltd; Perilya Mines NL; Top End Resources; T.P.Lindner; MIM Limited. CR1994-0048.

Murray, W.J., 1975. Progress Report – Coxco Valley, Exploration Licence No 597, Amelia Spring, McArthur, Northern Territory. CR1976-0116.

Nunn, T., 1997. Final Report Glyde River Project, ELs 8642, 9120, 9322 & 9503, McArthur River, NT. BHP Minerals. CR1997-0109.

Nunn, T., 1996. Final report for EL8629 Lancewood Creek north. BHP Minerals. CR1996-0918.

Ong, N., 1995. Relinquishment report EL7269, 18-06-1991 to 17-06-1995. Ashton Mining; BHP Minerals. CR1995-0683.

Paterson, T. A., 1996. Partial relinquishment report for ELs 7575 and 7577 McArthur Basin, NT. BHP Minerals. CR1996-0442.

Thomas, G., 1981. Annual report on exploration for 1980, McArthur River and Glyde River prospect, NT; EL 1330, EL 1331, EL 1332, EL 1943. Amoco Minerals Australia Company; Kennecott Explorations (Australia). CR1981-0028.