



ABN 22 009 593 515

Alexandria Station Gypsum Project

Combined 2021 Annual and Final Technical Report

MINERAL LEASE 30676 (10 December 2020 to 9 December 2021)

100 000 K map sheet - Alexandria 54/1

250 000 K map sheet Ranken SE5316

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Titleholder	Northern Cement Limited (Northern Cement)
Operator (if different from above)	N/A
Tenement Manager/Agent	Austwide Mining Title Management Pty Ltd
Titles/Tenements	ML30676
Mine/Project Name	Alexandria Gypsum Project
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1 Summary

MCC205-208 and MCC983-990 were the original granted titles for the Alexandria Gypsum Project; the titles were subject to Group Reporting – GR151.

Due to changes in legislation, the titles were offered for conversion to a single Mineral Lease. It should be noted that ML30676 was granted over the same area as MCC205-208 and MCC983-990

Upon grant of ML30676 on 10 December 2014, MCC205-208 and MCC983 – 990 lapsed. In a letter dated 18 December 2014 the Department of Mines and Energy notified Northern Cement Limited that Group Reporting for GR151 had ceased.

Application for surrender of ML30676 was lodged with the Department of Industry, Tourism and Trade (DITT) on 7 December 2021. ML30676 was ceased on 9 December 2021.

2 Location

ML30676 (the Alexandria Gypsum Project) is located approximately 260 km east north-east of Tennant Creek on Alexandria Station, NT Portion 0001 Perpetual Pastoral Lease 913. The title covers an area of 228 hectares. The station homestead is situated approximately 8 kilometres east north-east from the extractive site.

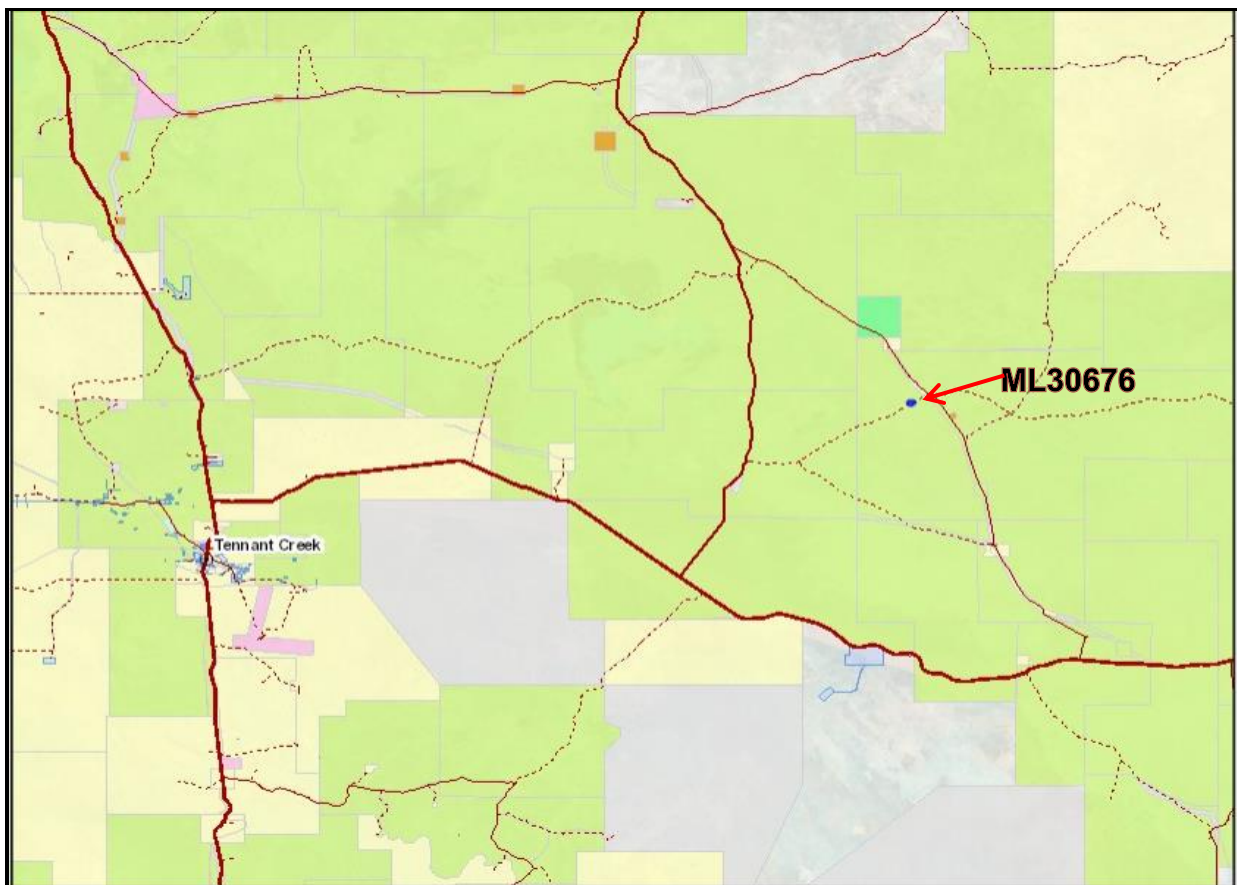


Figure 1: Location Map



Figure 2: Tenement Map

3 Operational Activity

No extractive activity or exploration was carried out on this title during the 2020-2021 reporting period.

The location of the site, market prices and transportation costs in greater part due to load restrictions make it unviable to extract material in the current economic climate.

3.1 Activities for the Reporting Period

Northern Cement did not any extraction of gypsum or exploration within the area of ML30676 during the reporting period.

Care and maintenance activities were conducted by Alexandria Station as part of wholistic station management of the pastoral lease.

3.2 Quantified Gypsum Reserves/Resources

An auger drilling program conducted by LG Nixon and Associates in 1990 estimated reserves to be in the order of approximately 1 Million tonnes.

3.3 Summary of Activities from Grant in 1986 to Cessation in 2021

The original titles MCC205, 206, 207 and 208 were granted to Northern Cement on 9 October 1986. The extraction and screening of gypsum at the site commenced in 1986. The deposit is generally flat lying and about a metre deep, with little or no topsoil cover.

A series of photographs from the 1990 Annual Report for MCC205 to 208 at **Appendix 1**, taken by a Departmental Machinery Inspector shows a front-end loader stockpiling gypsum in preparation for screening and loading into a trailer for removal from the site and transporting to the Northern Cement processing facility in Darwin, where gypsum was milled with cement clinker to manufacture cement.

MCC 983, 984, 985, 986, 987, 988, 989 and 990 were granted to Northern Cement on 18 August 1989 however, available records indicate that no extractive activity was conducted within these titles.

Operations at the site ceased in the mid-1990s. Since that time the stockpile of material at Alexandria remained largely untouched due to the prohibitive freight cost demanded by transport operators resulting from poor road conditions and weight restrictions. Since the cessation of extractive operations Alexandria Station historically conducted care and maintenance of the extractive site as part of wholistic station management.

Following the change to legislation in 2010, on 4 December 2014 the titles were offered for conversion to a single Mineral Lease. On 10 December 2014 Department of Mines and Energy granted ML30676 over the same areas as MCC205-208 and MCC983-990.

On 31 May 2016 the Northern Cement Mataranka Plant Manager visited ML30676 to meet with the Alexandria Station Manager to discuss the possibility of the landowner North Australian Pastoral Company (NAPCO) accepting return of the area to their control. In his email of 31 May 2016, the NAPCO Project Officer indicated that in his opinion the area had effectively self-rehabilitated, and Northern Cement would not be required to rehabilitate disturbance areas. Discussions between parties continued and subsequently, in a letter dated 7 December 2021 NAPCO confirmed that no rehabilitation of the site was required.

On 7 December 2021 Northern Cement lodged application for surrender of ML30676 with the DITT. On 15 December 2021 the department forwarded a notice to Northern Cement advising cessation of the title.

A series of photographs at **Appendix 2**, taken during the Northern Cement 2016 visit shows station pastures and disturbance areas that self-rehabilitated due to the absence of extractive operations and any further disturbance over a period of approximately 25 years.

4 Expenditure

Nil expenditure is proposed as ML30676 ceased on 9 December 2021.

APPENDIX 1 – 1990 SITE PHOTOGRAPHS



Plate 1 – MCC205-208 Extraction of Gypsum



Plate 2 – MCC205-208 Extraction of Gypsum



Plate 3 – MCC205-208 Extraction of Gypsum

APPENDIX 2 – 2016 SITE PHOTOGRAPHS

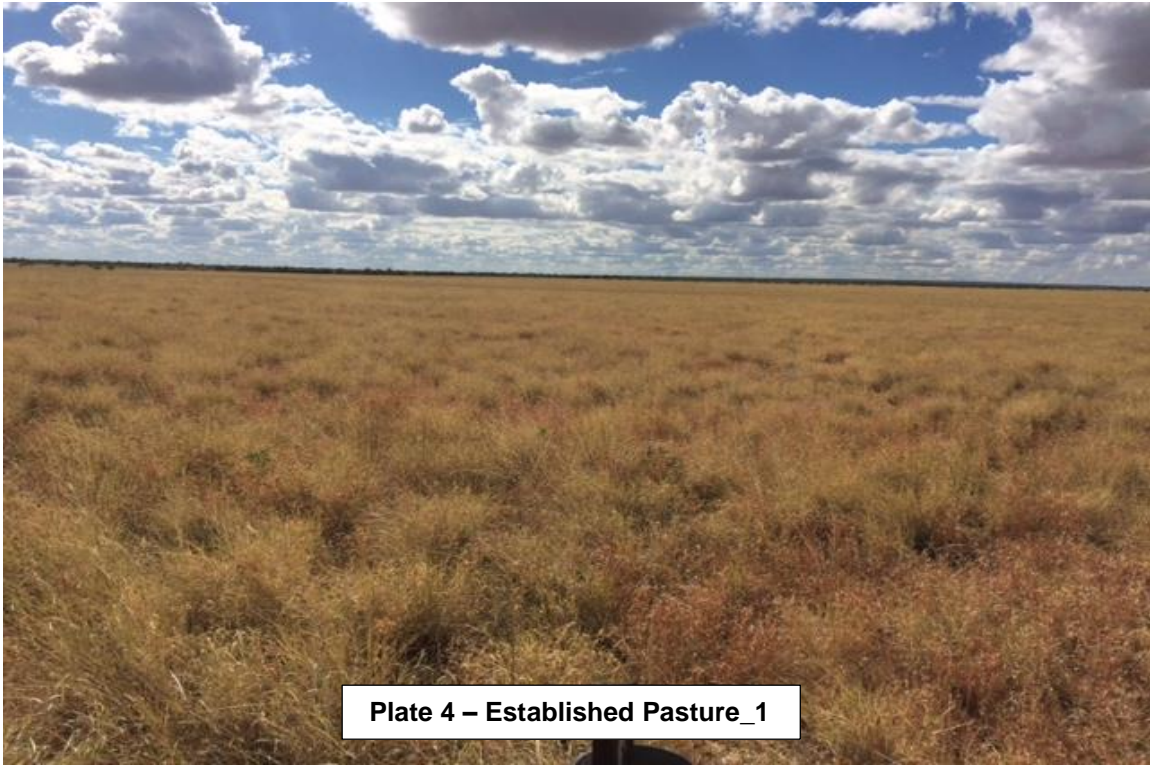


Plate 4 – Established Pasture_1

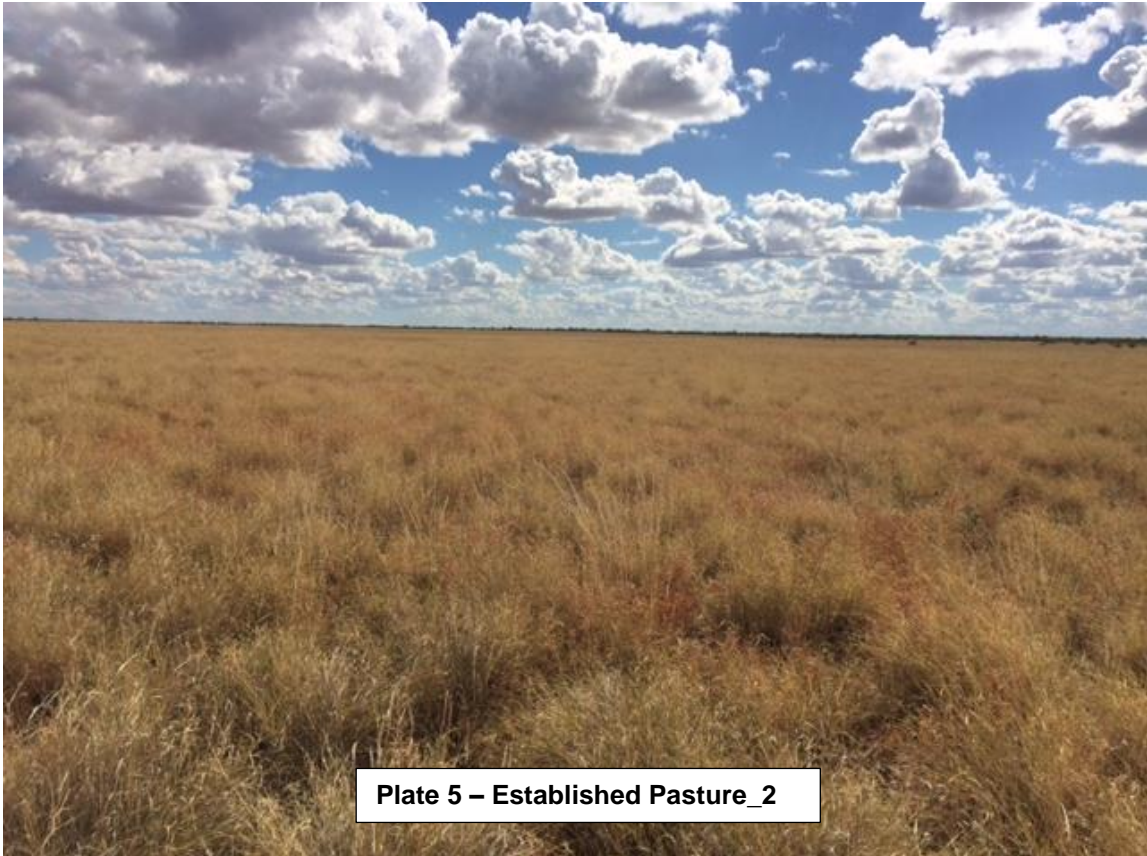
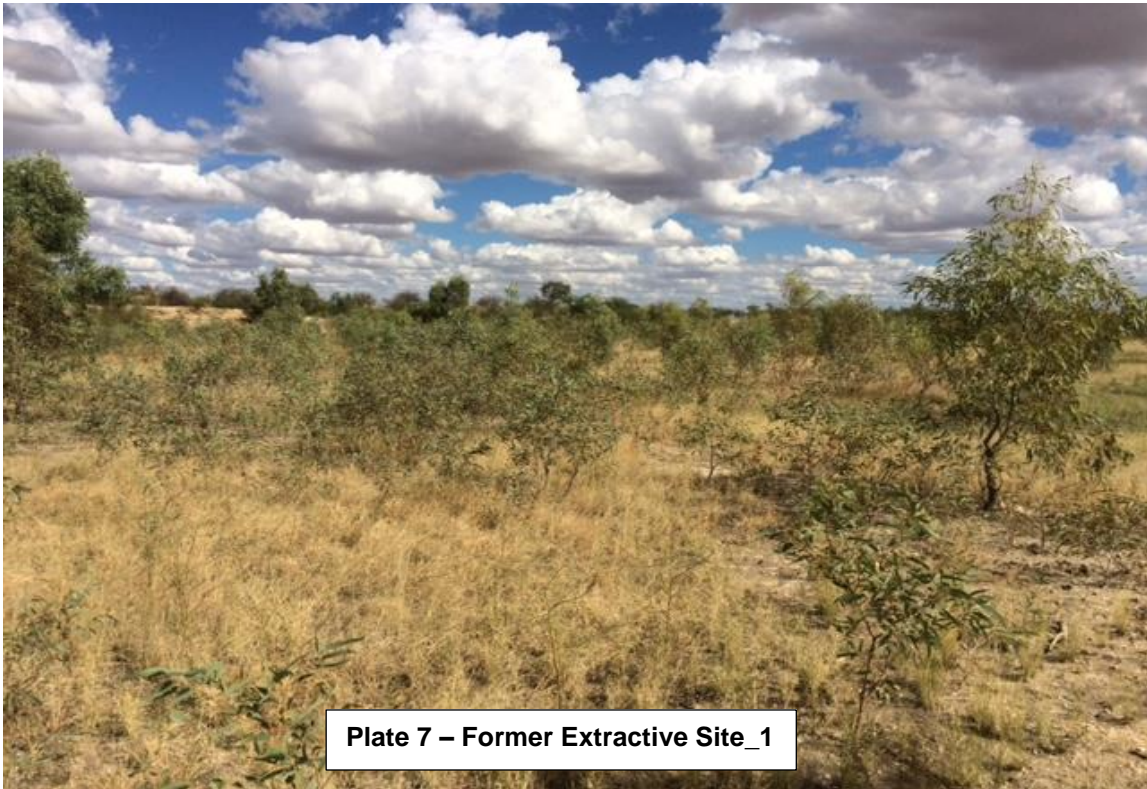


Plate 5 – Established Pasture_2



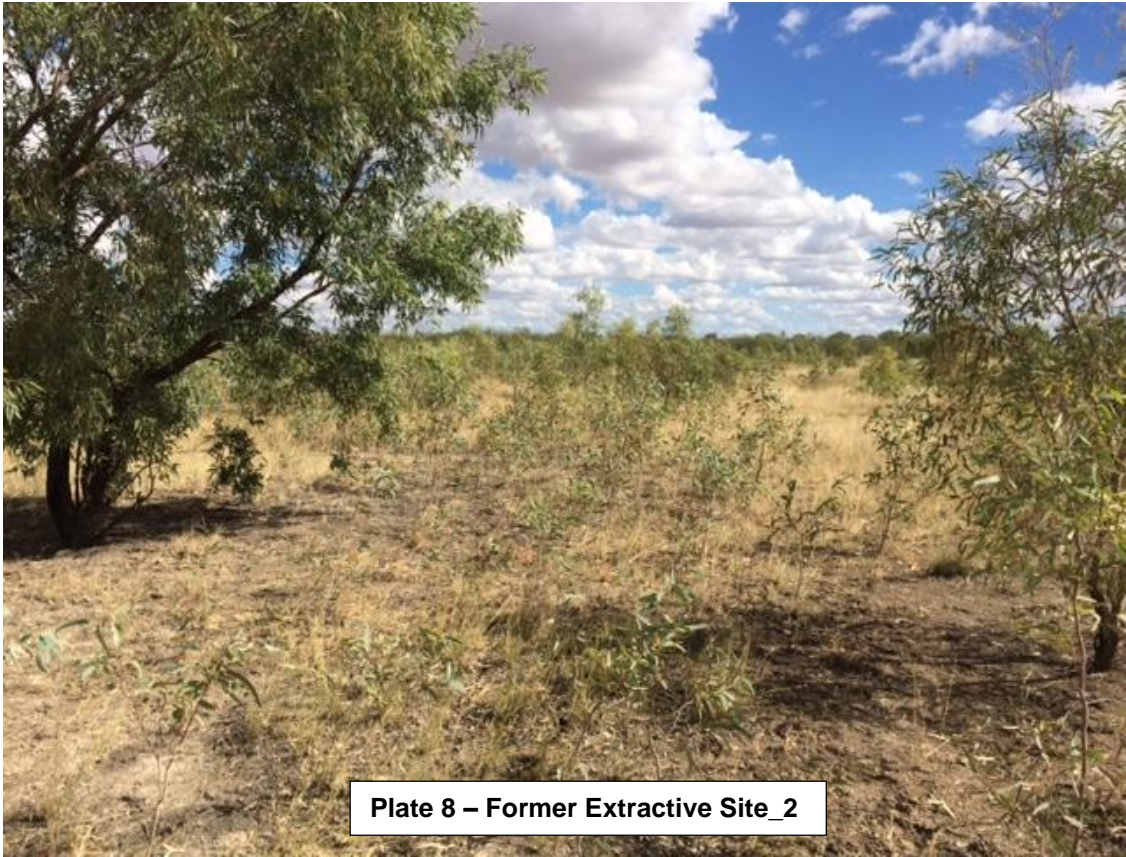


Plate 8 – Former Extractive Site_2

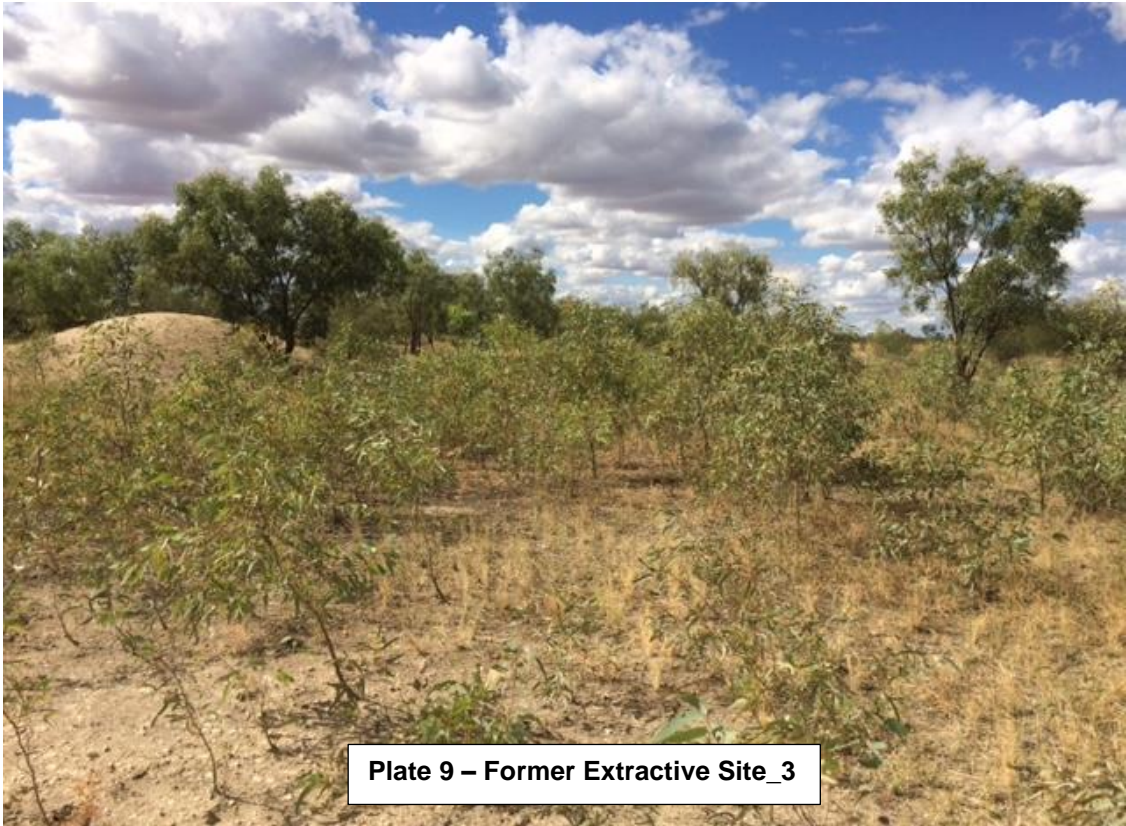


Plate 9 – Former Extractive Site_3