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MIDWEST CORPORATION LIMITED

DETAILS OF BORES AT KOOLANOOKA

JULY 2007

1 BACKGROUND

Midwest Corporation Limited (“Midwest”) owns the land shown with coloured shading in Fig. 1, except for the small area with crimson shading located immediately west of the Koolanooka mine.

Rockwater was engaged to carry out a desk-study to collate data for bores on the land owned by Midwest, and also a saline bore reported to have been installed near Munkton Road by Western Mining Corporation (WMC). This report presents the bore data, which were obtained from Midwest records, data held by Rockwater and information from the Department of Water’s WIN database.

2 BORE LOCATIONS

Bores for which information was obtained are shown in Fig. 1. The four figure numbers given for many of the bores are the last four digits of the WIN Site ID, which are prefixed 2004. These bores were located during a bore census by an officer of the Geological Survey of W.A. Whether the bores still exist, and their status, would need to be verified by a site inspection.

No information has been obtained for the WMC bore near Munkton Road. Midwest records indicate that there is a salt lake at 412909 mE, 6771260 mN; and a “well site or soak site on edge of lake” at 412935 mE, 6771250 mN. Five water samples taken from the latter site had salinities ranging from 43,360 to 60,490 mg/L TDS.

3 BORE DETAILS

The bore details are given in Table 1. No lithological data are available for the bores, but most probably intersect weathered granite and gneiss. The Koolanooka borefield bores appear to be along-strike of the mine, and are likely to intersect metasediments including banded iron formation.

Table 1: Bore Details

Bore No./Name	MGA-E	MGA-N	Date Drilled	Drilled Depth (m)	Status (DoW Records)	Supply (m ³ /d)	Water Level (m bgl)	Water Level Measurement Date	Sal. (mg/L TDS)	pH	Comments
20044552	425089	6775129		19.2					8,580		
20044561	422428	6773295									
20044566	418370	6770618	1930	19.8	Operating	19			1,420	7.1	
20044567	420224	6771556	1943	21.3	Operating	49			1,787		
20044568	419816	6771413	1960	25.6	Operating	44			1,573		
20044569	419459	6770991	1957	31.1		13			1,859		
20044570	420043	6770646	1945	25.0	Operating	22			4,350		
20044571	426924	6772363		11.6					5,720		
20044572	422906	6770357		21.3							
20044574	419750	6768478	1930	24.4	Operating	5			13,300		
20044575	420069	6768449	1943	30.5	Operating	16			2,145		
20044576	420635	6768774		21.3		5					
20044577	421279	6768203		8.2					14,300		
20044578	421202	6767800	1961	27.7	Operating						
20044579	422260	6767851	1959	24.4	Operating	3					
20044580	421538	6767107	1961	30.5		1					
20044581	421688	6767335	1950	30.5		1					
20044582	421913	6767181	1960	30.5		1					
20044583	424330	6766608	1954	24.4	Operating	3			858		
20044598	419772	6770301									
20044599	418752	6770975	1953	33.5		18			1,716		
20044600	418855	6771491	1967	130.0		0					
20044601	419410	6771396	1967	27.4		0					
20044602, KNWD01	420719	6771397	1970	25.9	Operating	22			970	6.0	
20044603	420640	6771105	1970	27.4	Operating	23			715		
20044605	419714	6771179	1970	15.2					820		
20044609	422235	6768395		20.1							
20044610	421526	6767609	1959	36.6	Operating						
20044611	420956	6766657	1967	36.6	Operating				2,890	6.4	No Mill. Water - Salt?
20044612	420990	6767886		34.1	Operating	23					
20044613	420299	6768675		15.8	Operating						
20044614	421810	6768080	1960	23.1							
20044615	422255	6768220	1967	17.7		14			4,460		Dingle Dell Mill
20044617	421194	6768647		14.4					9,700		

Bore No./Name	MGA-E	MGA-N	Date Drilled	Drilled Depth (m)	Status (DoW Records)	Supply (m ³ /d)	Water Level (m bgl)	Water Level Measurement Date	Sal. (mg/L TDS)	pH	Comments
20044619	425977	6770975		5.3	Operating						
20044621	426399	6774104		11.5		23			7,400		
A Moore B, KNWD04	420859	6769531	08-Sep-06								Western side Fallon Rd. High Yield?
20044618, KNWD05	421618	6769368	17-Aug-69	24.4		27			750	6.5	Carslake South. Mill.
BH1	421860	6772756				69	20.83	7/09/2006	1,200	7.4	Midwest Bore
BH10	422130	6773087				108	12.61	7/09/2006	2,800	7.5	Midwest Bore
BH2	421853	6772729				81	21.36	7/09/2006	1,050	7.7	Midwest Bore
BH3	421822	6772620				81	22.80	7/09/2006	870	7.7	Midwest Bore
BH5	421859	6772791				95	18.40		960	7.4	Pump installed. Midwest bore.
BH6	421890	6772821				115	18.20		1,400	7.3	Best bore. Pump installed. Midwest
BH7	422119	6772917					15.24	7/09/2006	1,900	7.4	Midwest Bore
BH9	421983	6772762				69	16.00				Midwest Bore
KNSPRG	426016	6770954	12-Sep-06								
KNWD03	420838	6771307	Oct-1989	36.6							Cnr Munkton Rd and Fallon. Mill.
Koolanooka Spring B	425983	6770760									Pumping, for picnic ground?
Midwest Dam Bore	420747	6771264							1,050		
	422481	6776308									Mill and Well. Operating
	425162	6774576									
	426587	6774080									Mill Operating

The Koolanooka borefield consists of eight bores, BH1, BH2, BH3, BH5, BH6, BH7, BH9 and BH10, located north of the mine. The bores are reported to each yield between 69 and 115 m³/d of water with salinity ranging from 870 to 2,800 mg/L TDS. PH ranges from 7.3 to 7.7.

There are also several low-yielding bores at the corner of Munkton and Fallon Roads that together with the Koolanooka borefield, have in the past met the needs of the Koolanooka mine.

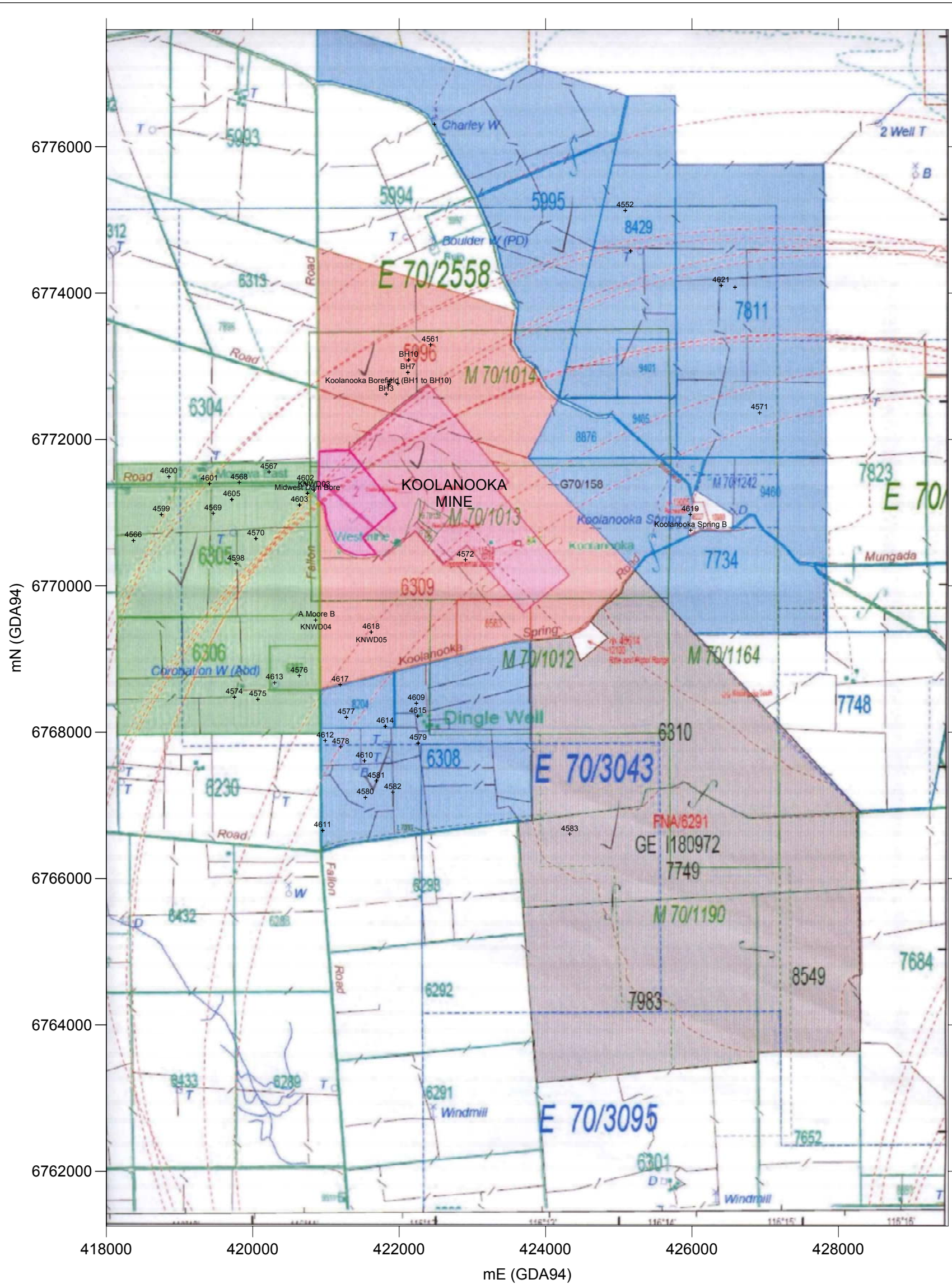
The other bores and wells have been equipped with windmills (when operating), and have provided water for stock and domestic use. Recorded yields range from 1 to 49 m³/d; and salinities 685 to 14,300 mg/L TDS. Bore yields can be limited by the size of the pump installed in the bore, and bores where the salinity exceeds the limit for stock (say, 12,000 mg/L TDS for sheep) are generally abandoned without being completed.

Dated: 19 July 2007

Rockwater Pty Ltd



P H Wharton
Principal Hydrogeologist



koolanooka area map.srf

Figure 1: Bore Locations, Koolanooka

Client: Midwest Corporation Ltd
 Project: Koolanooka Water Supply
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