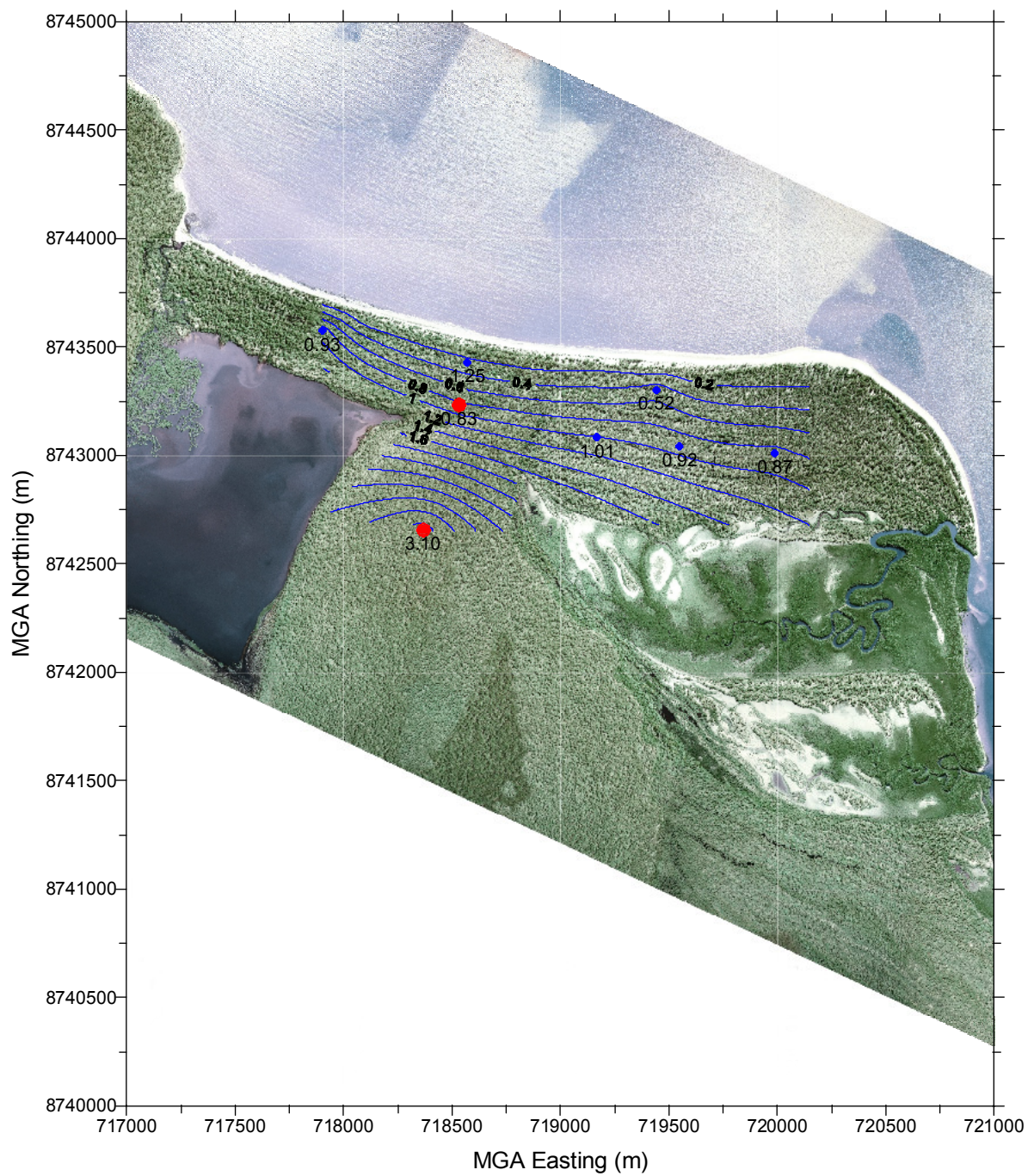
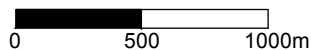




- Site 1 Monitoring Bore
- Site 1 (P) Production Bore
- Groundwater Level mRL



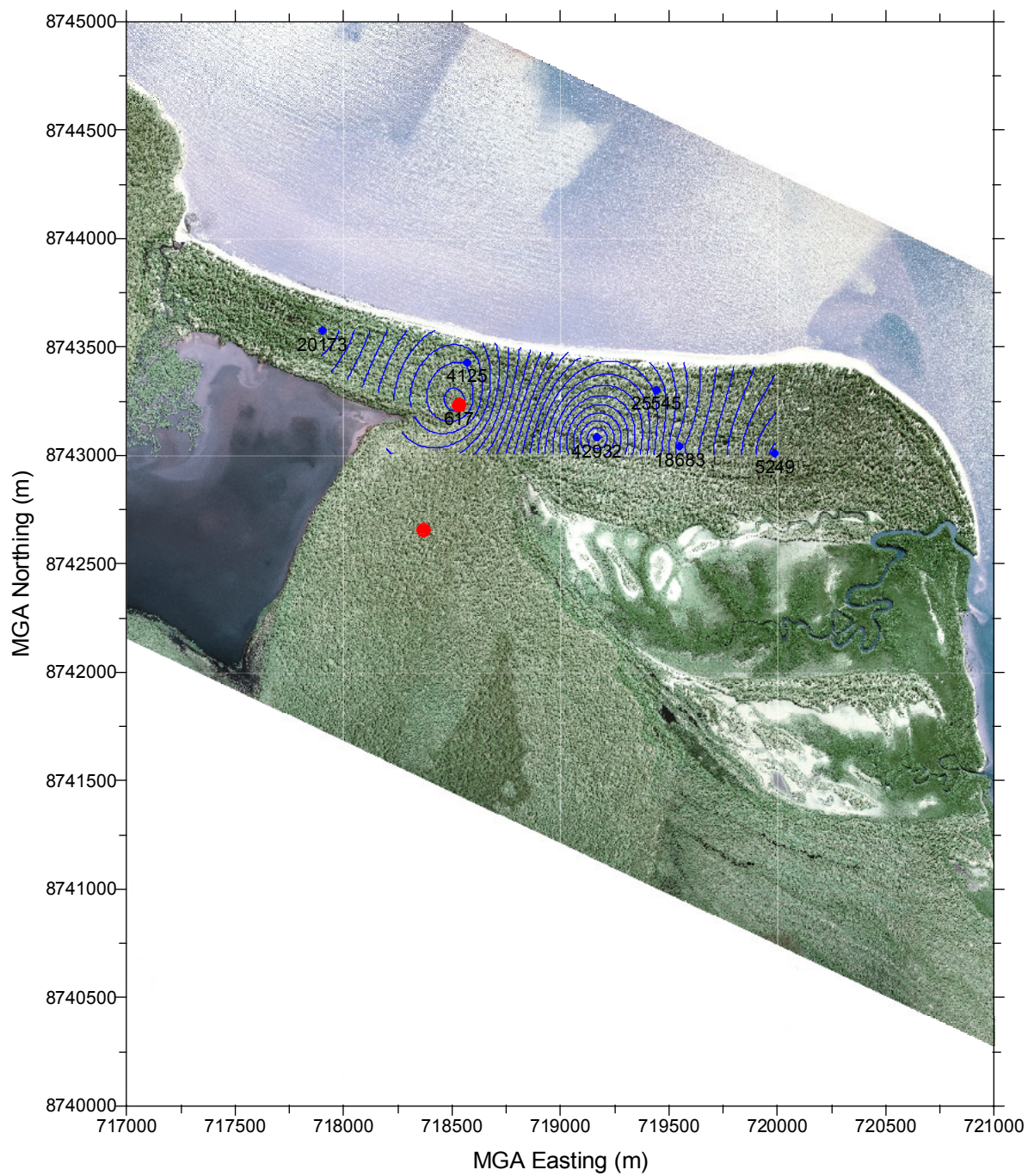
Scale 1 : 30,000
Projection: GDA 94, Zone 52

Job No.	42213700	
Prep. By	CMAC	8 Sept. '05
Chk'd By	RIJV	8 Sept. '05
Revision No.	0	

Matilda Minerals Ltd
ANDRANANGOO CREEK WEST & LETHBRIDGE BAY WEST
MINE DEVELOPMENT EIS GROUNDWATER MODELLING
LETHBRIDGE BAY WEST
GROUNDWATER LEVELS DRY SEASON

Figure 31

URS



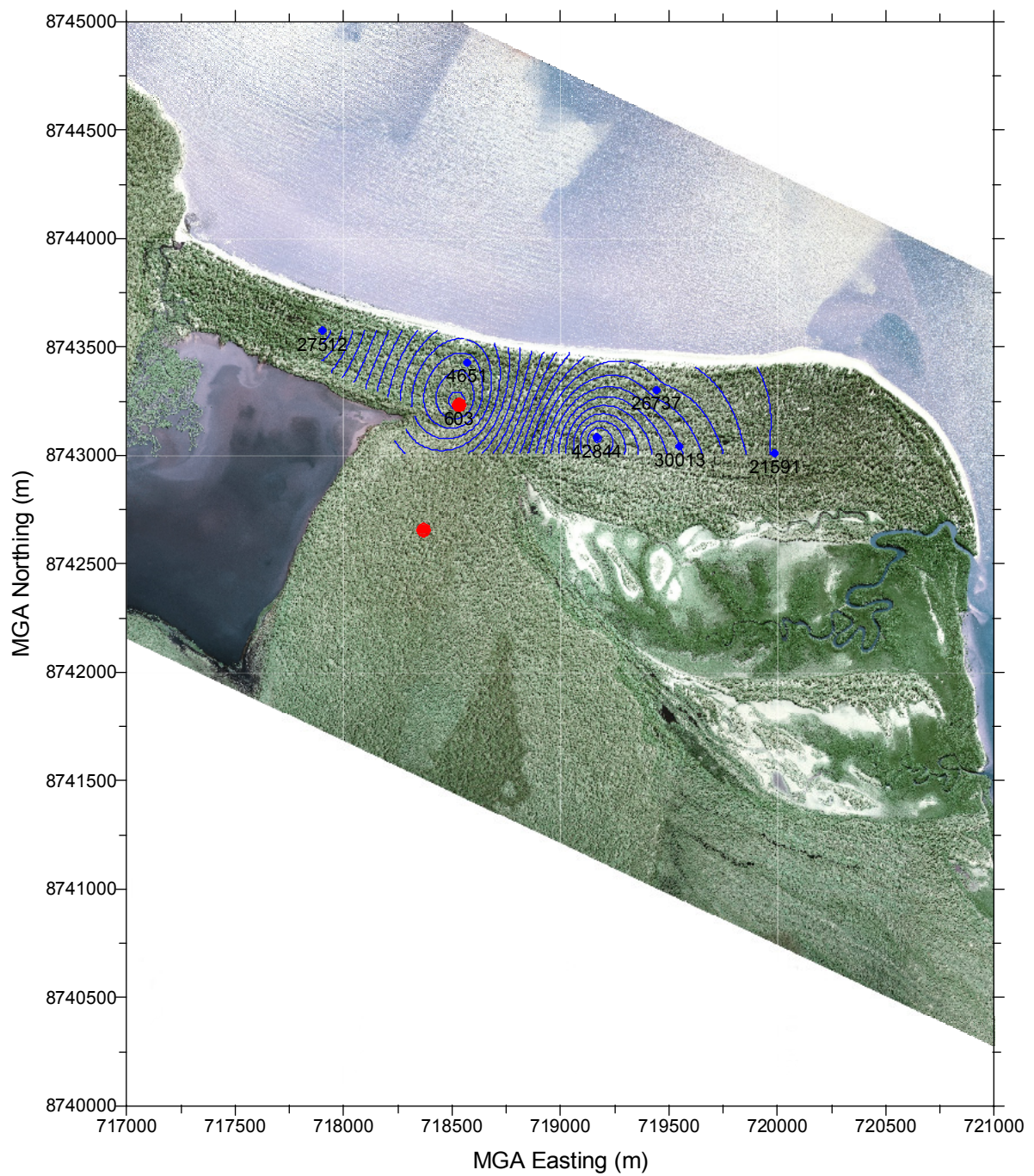
Site 1 Monitoring Bore
 Site 1 (P) Production Bore
 Groundwater Salinity mg/L

0 500 1000m

Scale 1 : 30,000
 Projection: GDA 94, Zone 52

Job No.	42213700		Matilda Minerals Ltd ANDRANANGOO CREEK WEST & LETHBRIDGE BAY WEST MINE DEVELOPMENT EIS GROUNDWATER MODELLING LETHBRIDGE BAY WEST GROUNDWATER SALINITY WATER TABLE	Figure 32
Prep. By	CMAC	8 Sept. '05		
Chk'd By	RIJV	8 Sept. '05		
Revision No.	0			

Figure 32.srf



- Site 1
● Monitoring Bore
- Site 1 (P)
● Production Bore
- Groundwater Salinity mg/L

0 500 1000m

Scale 1 : 30,000
Projection: GDA 94, Zone 52

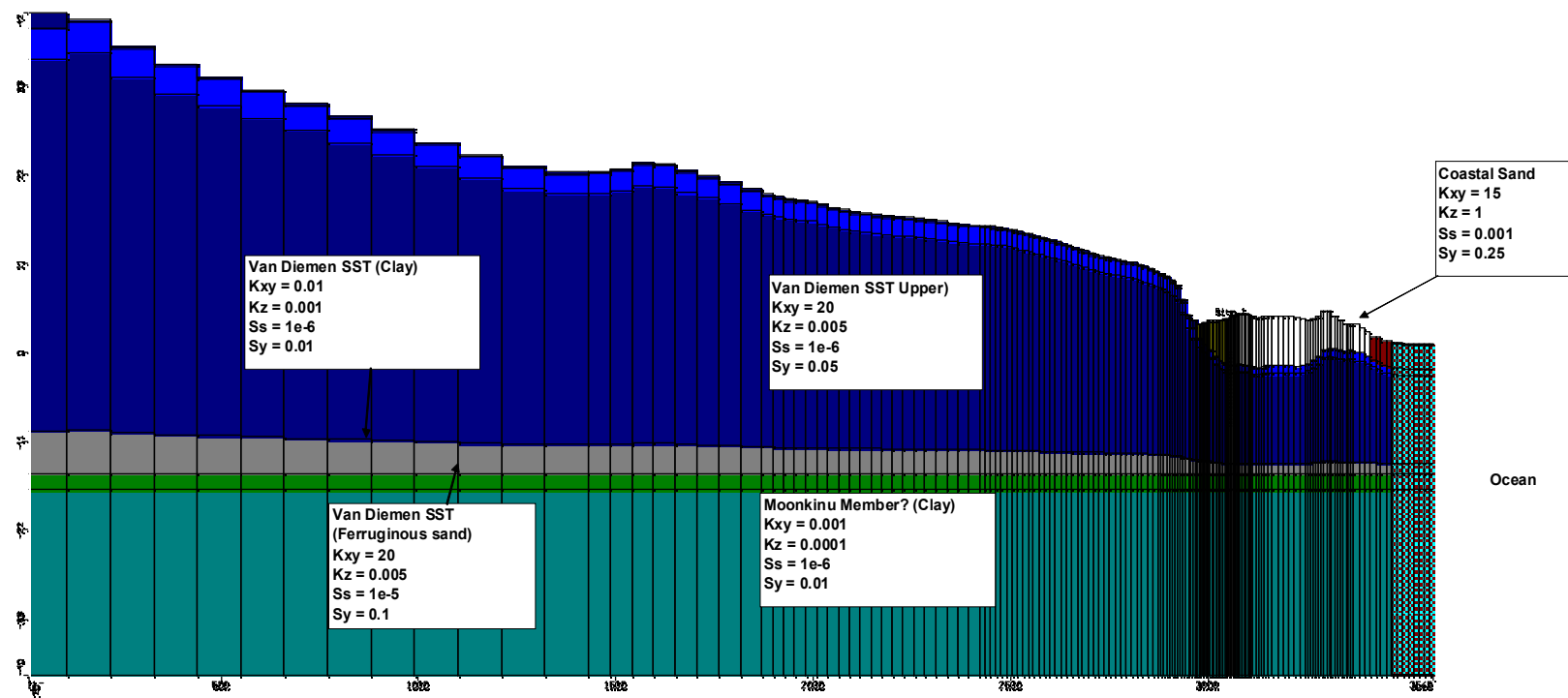
Job No.	42213700	
Prep. By	CMAC	8 Sept. '05
Chk'd By	RIJV	8 Sept. '05
Revision No.	0	

Matilda Minerals Ltd
ANDRANANGOO CREEK WEST & LETHBRIDGE BAY WEST
MINE DEVELOPMENT EIS GROUNDWATER MODELLING
LETHBRIDGE BAY WEST
GROUNDWATER SALINITY 9 mbgl

Figure 33

URS

Figure 33.srf



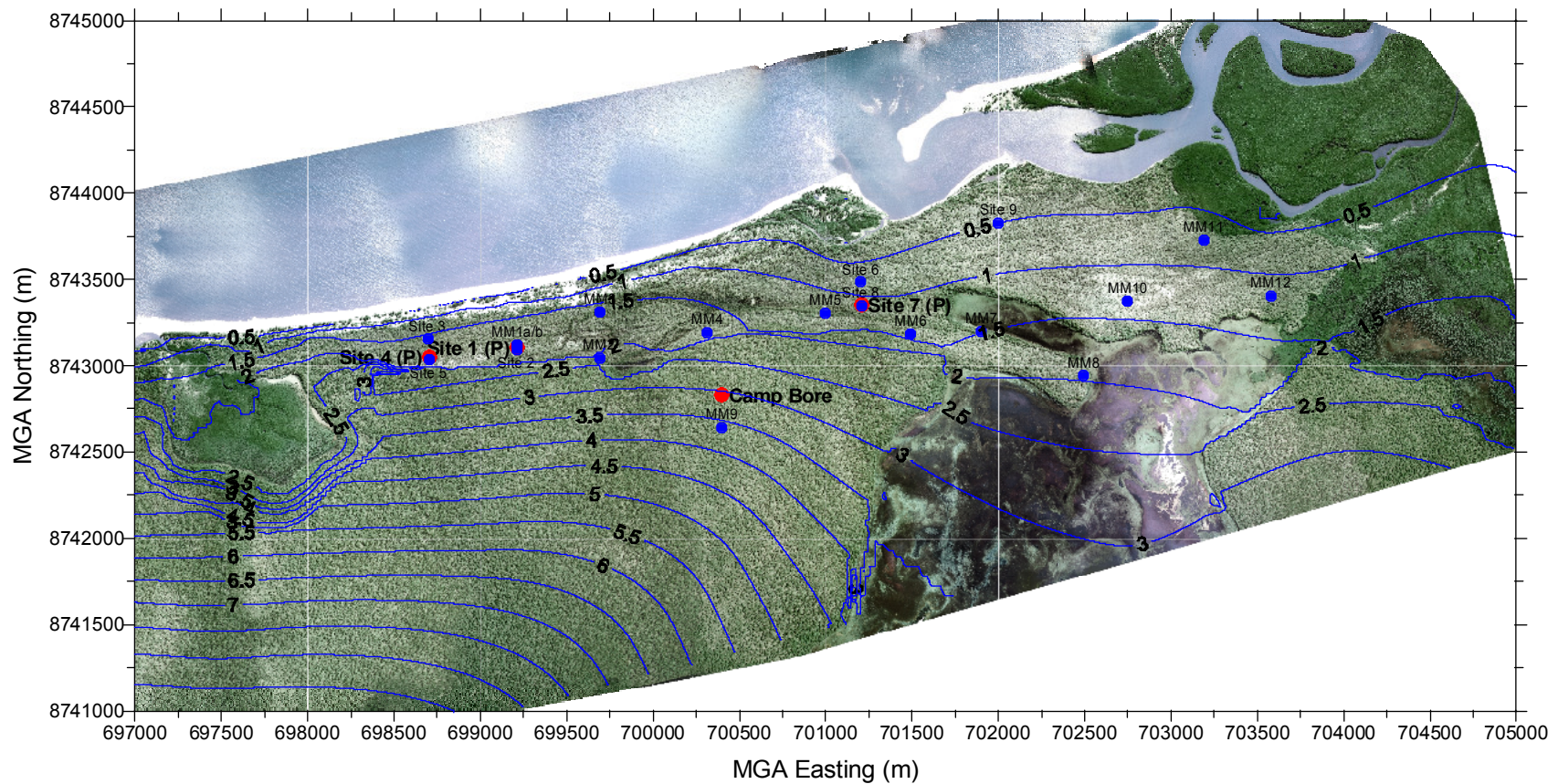
Job No.	42213700	
Prep. By	CMAC	7 Sept. '05
Chk'd By	RIJV	7 Sept. '05
Revision No.	0	

Matilda Minerals Ltd
 ANDRANANGOO CREEK WEST & LETHBRIDGE BAY WEST
 MINE DEVELOPMENT EIS GROUNDWATER MODELLING
ANDRANANGOO CREEK WEST
DISTRIBUTION OF HYDRAULIC PARAMETERS

Figure 34



Figure 34.srf



0 1000 2000m

Scale 1 : 40,000
Projection: GDA 94, Zone 52

- MM2 Monitoring Bore
- Site 1 (P) Production Bore
- Groundwater Level (m RL)

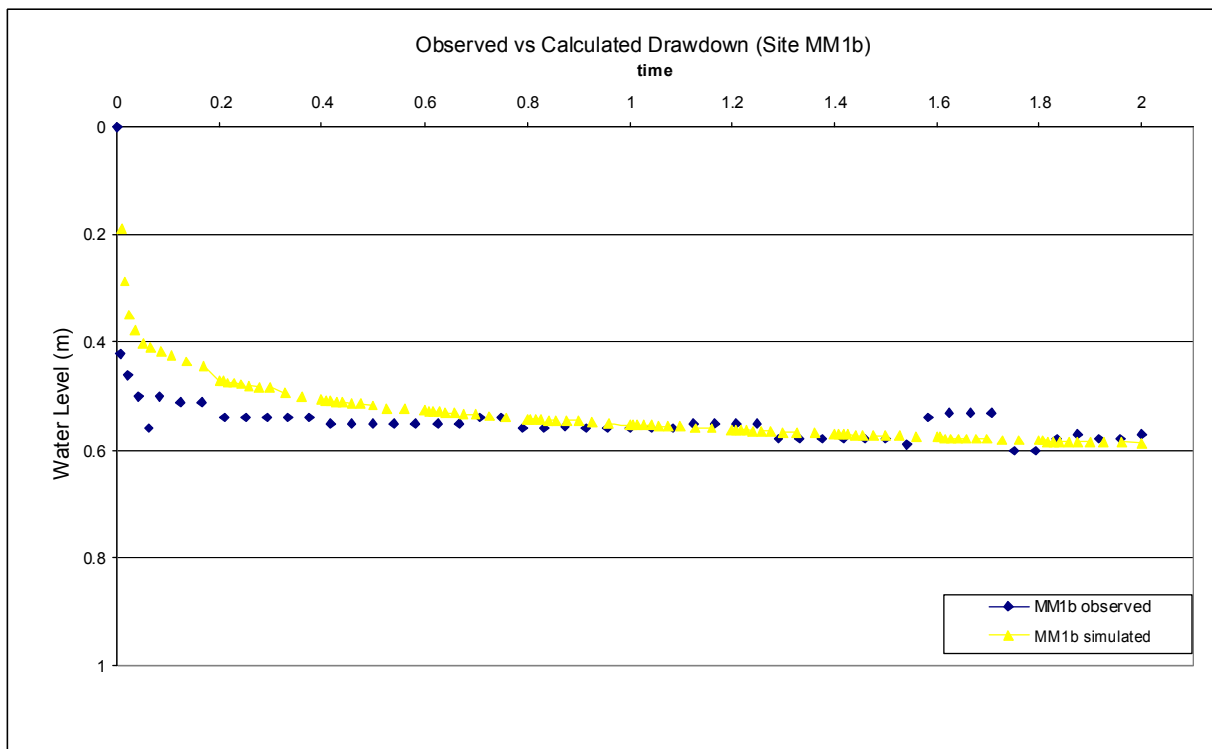
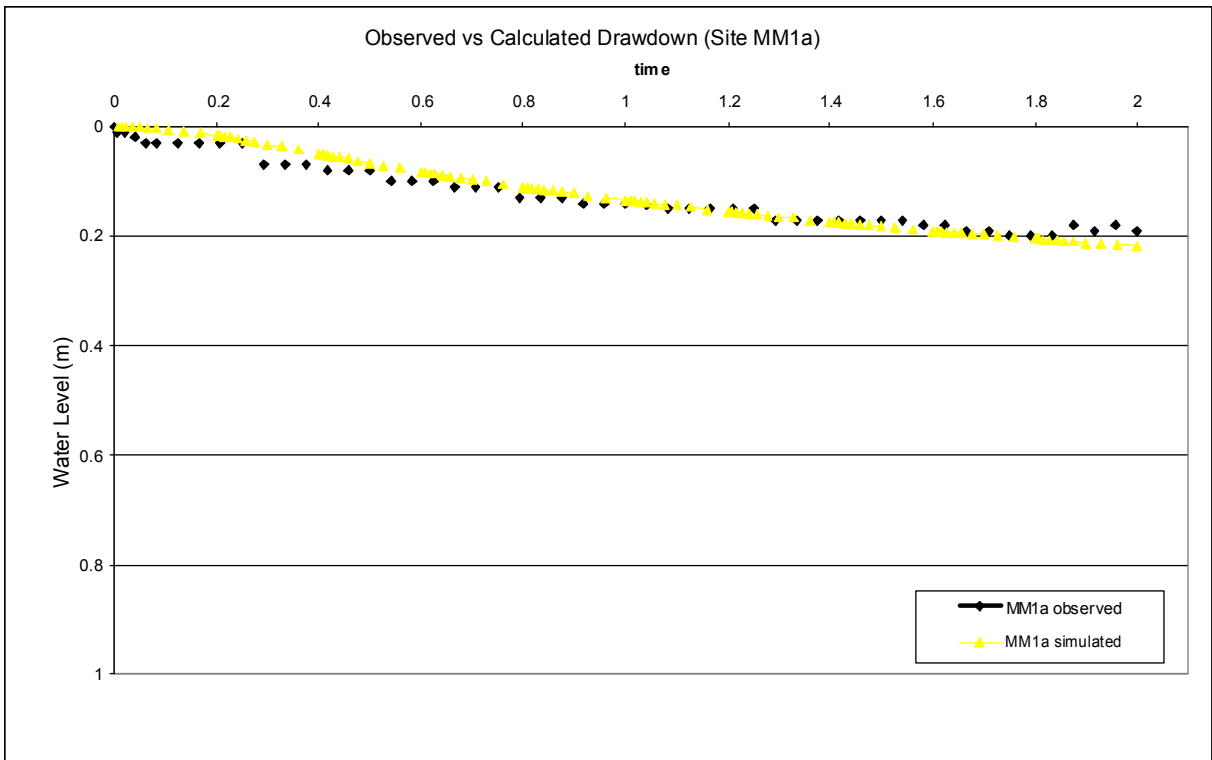
Job No.	42213700	
Prep. By	CMAC	7 Sept. '05
Chk'd By	RIJV	7 Sept. '05
Revision No.	0	

Matilda Minerals Ltd
ANDRANANGOO CREEK WEST & LETHBRIDGE BAY WEST
MINE DEVELOPMENT EIS GROUNDWATER MODELLING
**ANDRANANGOO CREEK WEST
STEADY STATE GROUNDWATER LEVELS**

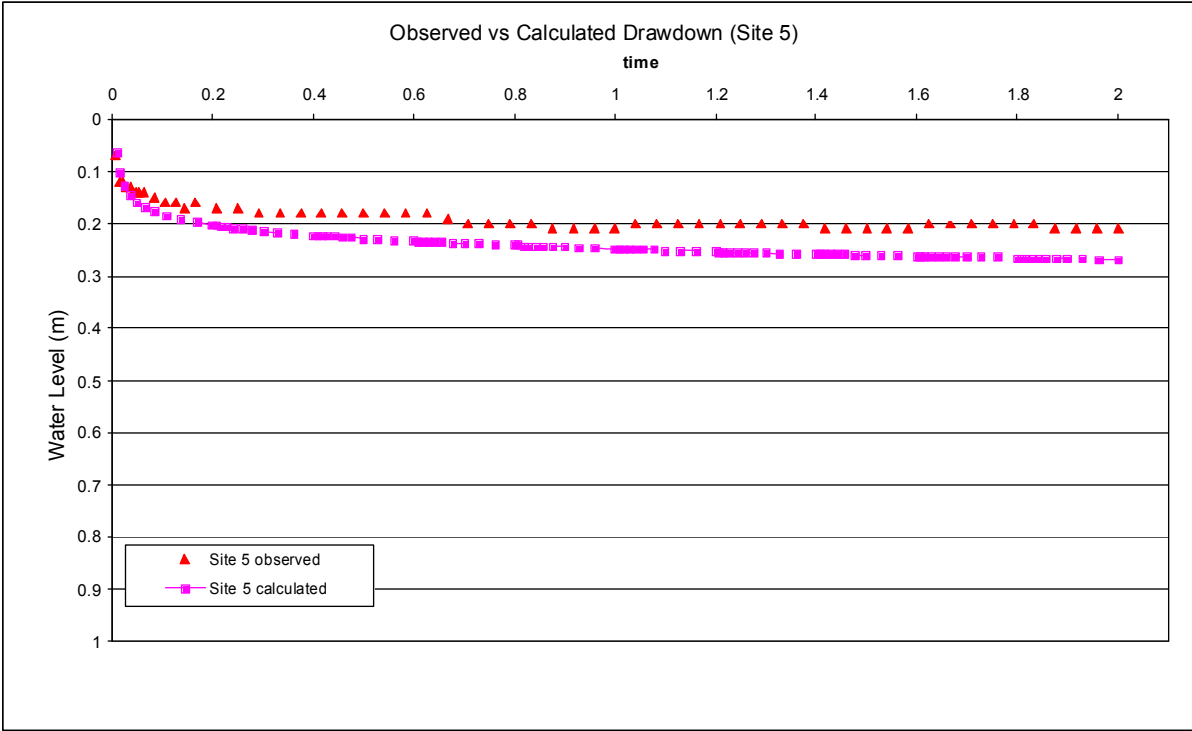
Figure 35

URS

Figure 35.srf



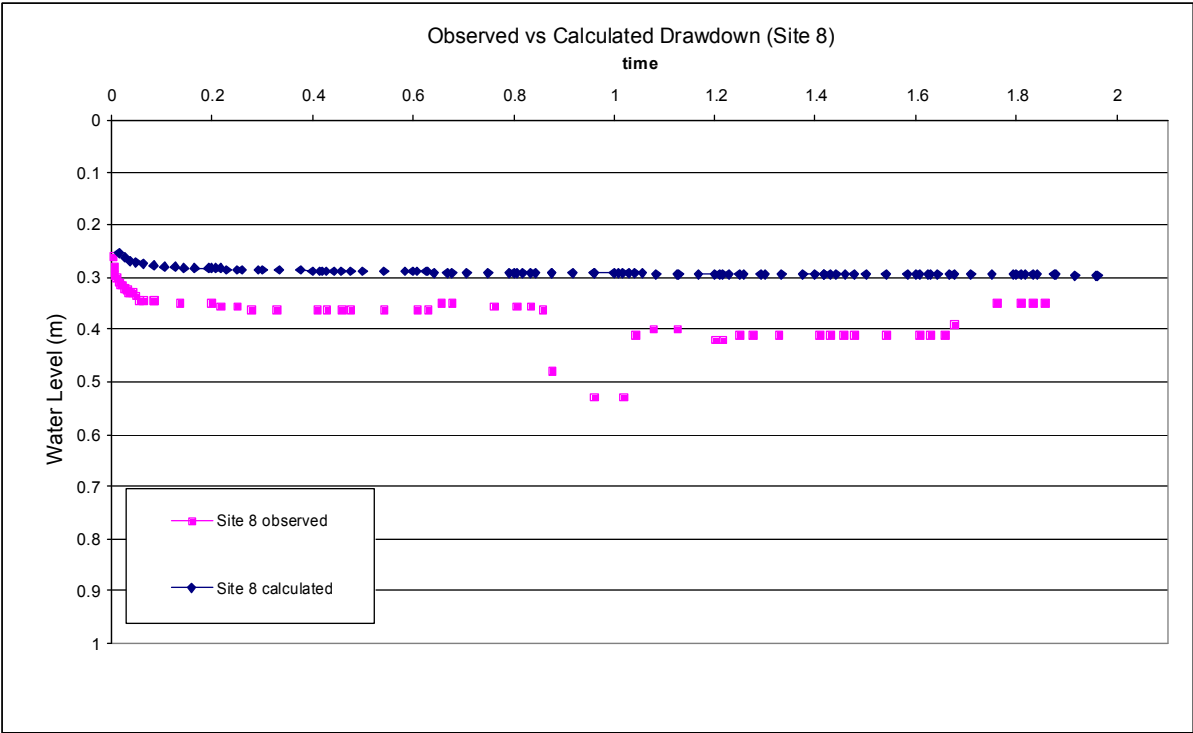
Job No.	42213700	Matilda Minerals Ltd ANDRANANGOO CREEK WEST & LETHBRIDGE BAY WEST MINE DEVELOPMENT EIS GROUNDWATER MODELLING ANDRANANGOO CREEK WEST TRANSIENT CALIBRATION SITE 1(P)	Figure 36	
Prep. By	CMAC 22 Nov '05			
Chk'd By	RIJV 22 Nov '05			
Revision No.	0			



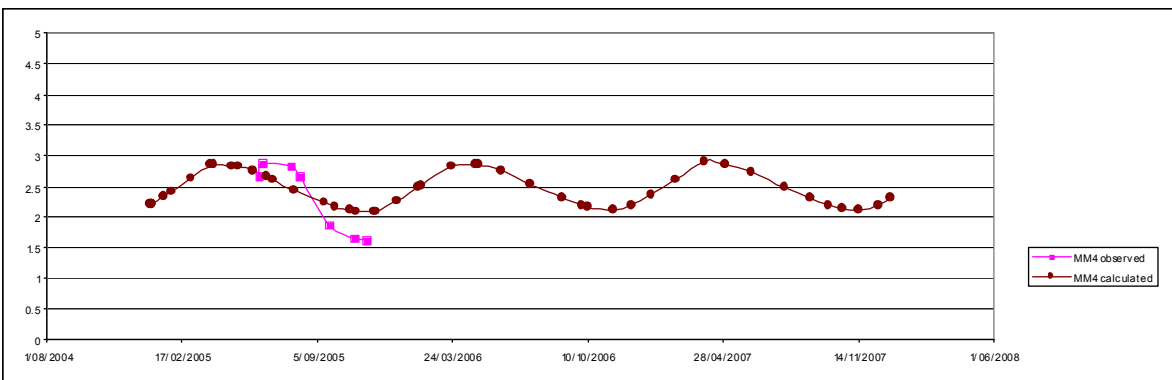
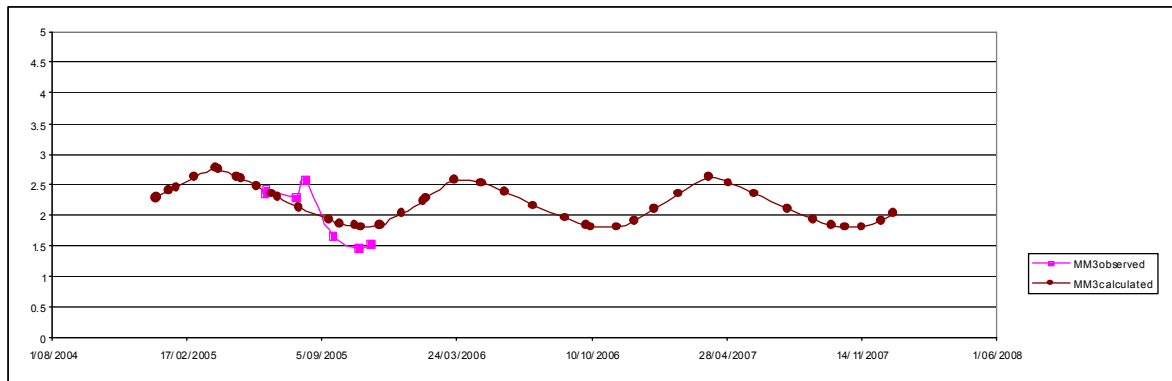
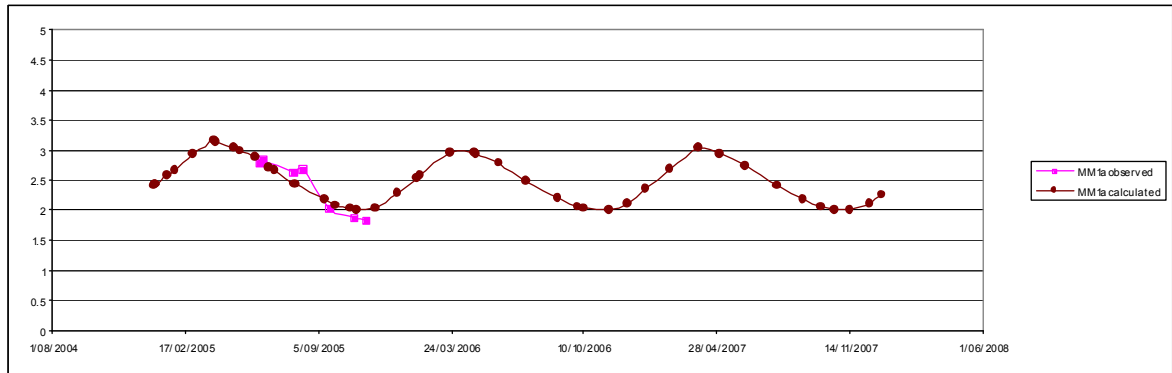
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Job No.	42213700	Matilda Minerals Ltd ANDRANANGOO CREEK WEST & LETHBRIDGE BAY WEST MINE DEVELOPMENT EIS GROUNDWATER MODELLING ANDRANANGOO CREEK WEST TRANSIENT CALIBRATION SITE 4(P)	Figure 37
Prep. By	CMAC 22 Nov '05		URS
Chk'd By	RIJV 22 Nov '05		
Revision No.	0		

Figure 37.srf



Job No.	42213700	Matilda Minerals Ltd ANDRANANGOO CREEK WEST & LETHBRIDGE BAY WEST MINE DEVELOPMENT EIS GROUNDWATER MODELLING ANDRANANGOO CREEK WEST TRANSIENT CALIBRATION SITE 7(P)	Figure 38
Prep. By	CMAC 22 Nov '05		URS
Chk'd By	RIJV 22 Nov '05		
Revision No.	0		

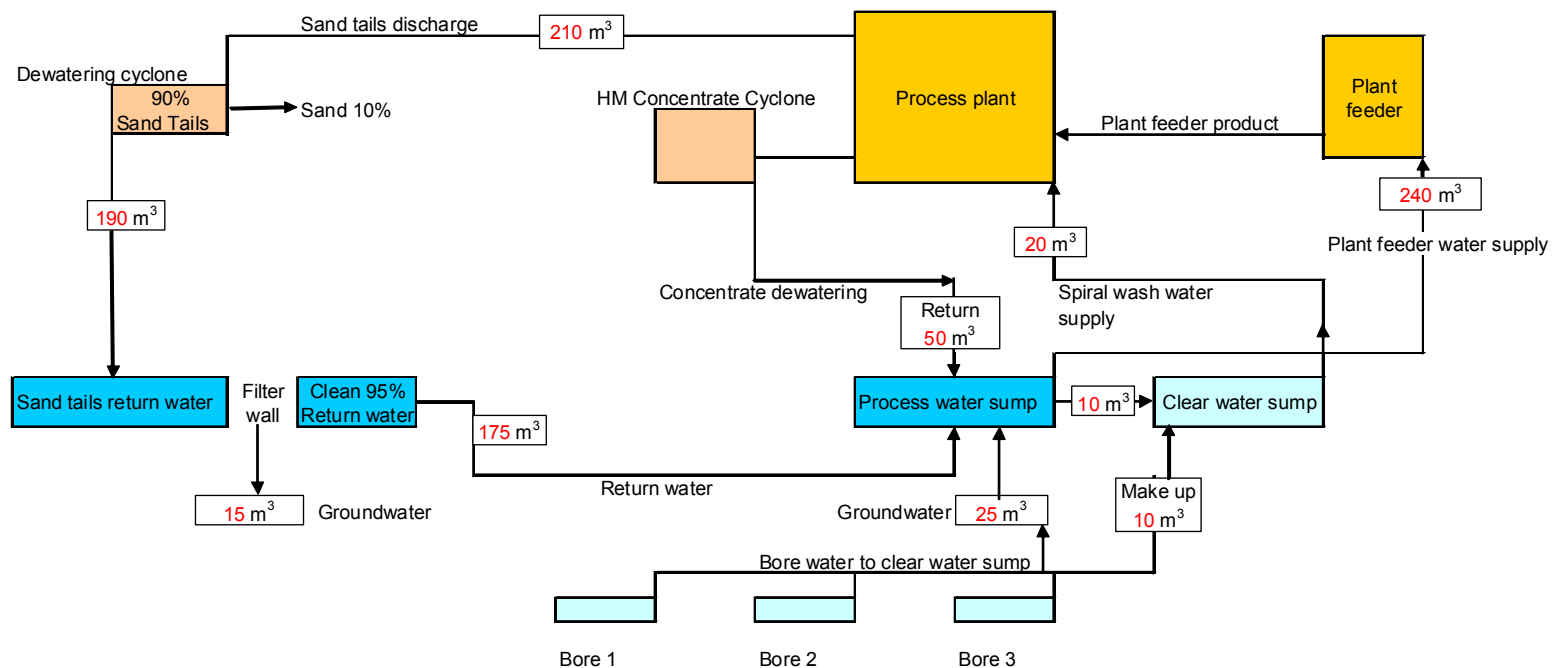


Job No.	42213700	Matilda Minerals Ltd ANDRANANGOO CREEK WEST & LETHBRIDGE BAY WEST MINE DEVELOPMENT EIS GROUNDWATER MODELLING ANDRANANGOO CREEK WEST SEASONAL WATER LEVEL CALIBRATION	Figure 39
Prep. By	CMAC 22 Nov '05		
Chk'd By	RIJV 22 Nov '05		
Revision No.	0		

Matilda Minerals - Tiwi Islands Mineral Sands Project Water Management

	Sand t	Water m3	H/M %	Solids %
Total Feed	100	240	5.0	29
Total Tail	95	210	0.3	31
Conc	4.8			

Equilibrium in a perfect system



Job No.	42213700
Prep. By	CMAC 6 Sep. '05
Chk'd By	RIJV 6 Sep. '05
Revision No.	0

Matilda Minerals Ltd
ANDRNANGOO CREEK WEST & LETHBRIDGE BAY WEST
MINE DEVELOPMENT EIS GROUNDWATER MODELLING

PROCESS WATER BALANCE

Figure 40

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