

Appendix T MARSLAND WATER BALANCE (PRODUCTION, RESTORATION AND STABILIZATION SAMPLING)

			PV size	Surety PV	Flow GPM	Days	PV Needed	Total Days	Total Gal Needed
MINE UNIT 1									
IX Treatment/Reinjection	MU1	IX	95017565	95017565	800	82	3	247	285052695
RO Treatment	MU1	RO	95017565	95017565	500	132	6	792	570105390
Recirculation	MU1	RC	95017565	95017565	800	82	2	165	190035130
STABILIZATION SAMPLING									
MINE UNIT 2									
IX Treatment/Reinjection	MU2	IX	95017565	95017565	220	300	3	900	285052695
RO Treatment	MU2	RO	95017565	95017565	225	293	6	1760	570105390
Recirculation	MU2	RC	95017565	95017565	400	165	2	330	190035130
STABILIZATION SAMPLING									
MINE UNIT 3									
IX Treatment/Reinjection	MU3	IX	95017565	95017565	220	300	3	900	285052695
RO Treatment	MU3	RO	95017565	95017565	225	293	6	1760	570105390
Recirculation	MU3	RC	95017565	95017565	400	165	2	330	190035130
STABILIZATION SAMPLING									
MINE UNIT 4									
IX Treatment/Reinjection	MU4	IX	95017565	95017565	172	384	3	1151	285052695
RO Treatment	MU4	RO	95017565	95017565	250	264	6	1584	570105390
Recirculation	MU4	RC	95017565	95017565	400	165	2	330	190035130
STABILIZATION SAMPLING									
MINE UNIT 5									
IX Treatment/Reinjection	MU5	IX	95017565	95017565	350	189	3	566	285052695
RO Treatment	MU5	RO	95017565	95017565	225	293	6	1760	570105390
Recirculation	MU5	RC	95017565	95017565	400	165	2	330	190035130
STABILIZATION SAMPLING									
MINE UNIT A									
IX Treatment/Reinjection	MUA	IX	95017565	95017565	1000	66	3	198	285052695
RO Treatment	MUA	RO	95017565	95017565	800	82	6	495	570105390
Recirculation	MUA	RC	95017565	95017565	400	165	2	330	190035130
STABILIZATION SAMPLING									
MINE UNIT B									
IX Treatment/Reinjection	MUB	IX	95017565	95017565	1000	66	3	198	285052695
RO Treatment	MUB	RO	95017565	95017565	800	82	6	495	570105390
Recirculation	MUB	RC	95017565	95017565	400	165	2	330	190035130
STABILIZATION SAMPLING									
MINE UNIT C									
IX Treatment/Reinjection	MUC	IX	95017565	95017565	1000	66	3	198	285052695
RO Treatment	MUC	RO	95017565	95017565	800	82	6	495	570105390
Recirculation	MUC	RC	95017565	95017565	400	165	2	330	190035130
STABILIZATION SAMPLING									
MINE UNIT D									
IX Treatment/Reinjection	MUD	IX	95017565	95017565	1000	66	3	198	285052695
RO Treatment	MUD	RO	95017565	95017565	800	82	6	495	570105390
Recirculation	MUD	RC	95017565	95017565	400	165	2	330	190035130
STABILIZATION SAMPLING									
MINE UNIT E									
IX Treatment/Reinjection	MUE	IX	95017565	95017565	1000	66	3	198	285052695
RO Treatment	MUE	RO	95017565	95017565	800	82	6	495	570105390
Recirculation	MUE	RC	95017565	95017565	400	165	2	330	190035130
STABILIZATION SAMPLING									
MINE UNIT F									
IX Treatment/Reinjection	MUF	IX	95017565	95017565	1000	66	3	198	285052695
RO Treatment	MUF	RO	95017565	95017565	800	82	6	495	570105390
Recirculation	MUF	RC	95017565	95017565	400	165	2	330	190035130
STABILIZATION SAMPLING									
Prod Flow									
Prod Bleed 1.2%									
IX Bleed 2.0%									
Mine Unit 1 RO Bleed (30%)									
Mine Unit 2 RO Bleed (30%)									
Mine Unit 3 RO Bleed (30%)									
Mine Unit 4 RO Bleed (30%)									
Mine Unit 5 RO Bleed (30%)									
Mine Unit A RO Bleed (30%)									
Mine Unit B RO Bleed (30%)									
Mine Unit C RO Bleed (30%)									
Mine Unit D RO Bleed (30%)									
Mine Unit E RO Bleed (30%)									
Mine Unit F RO Bleed (30%)									
IX Flow									
RO Flow									
Recirculation Flow									
IX & RO Bleed TO DDW									
Total DW needed capacity									