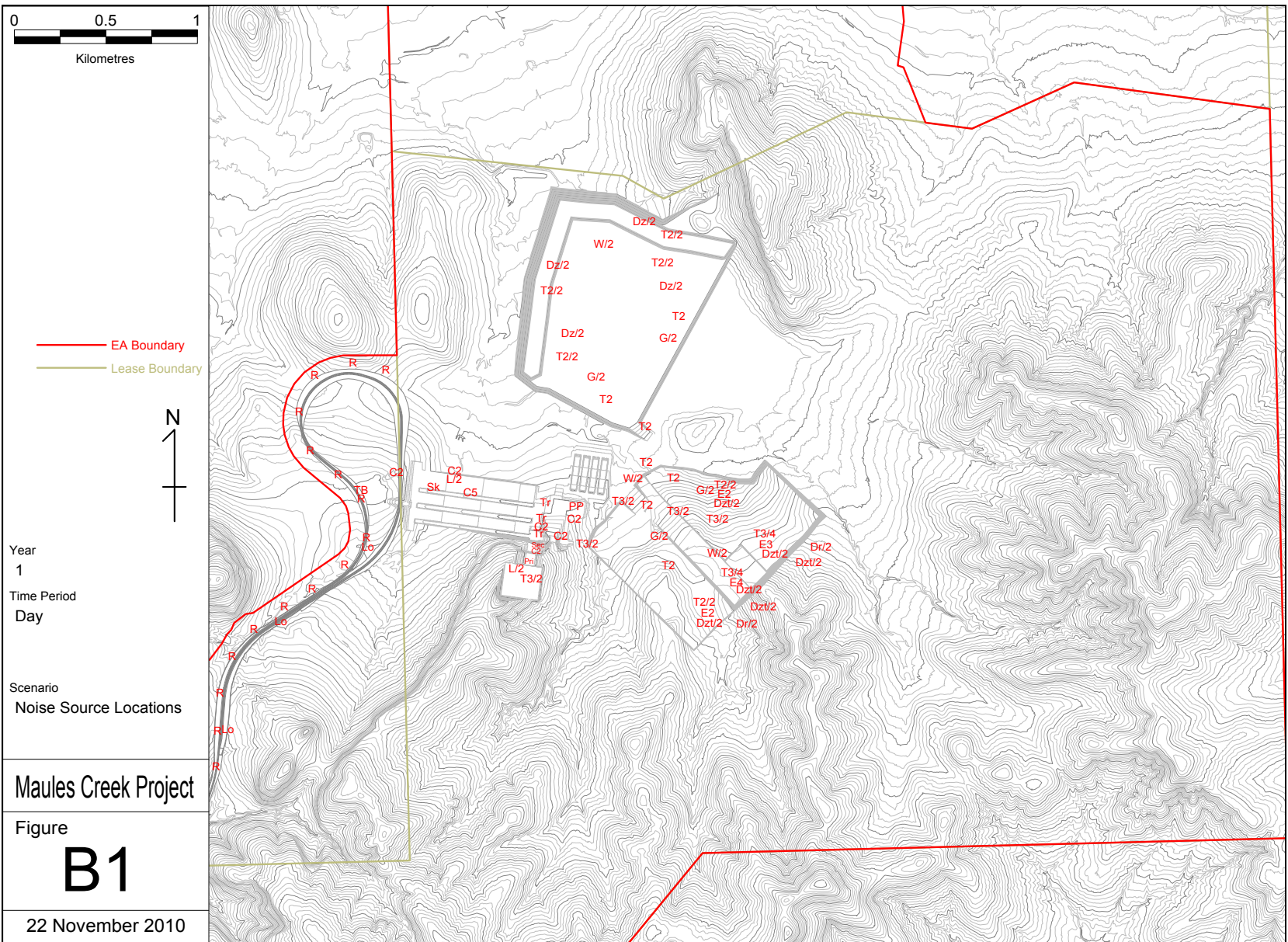
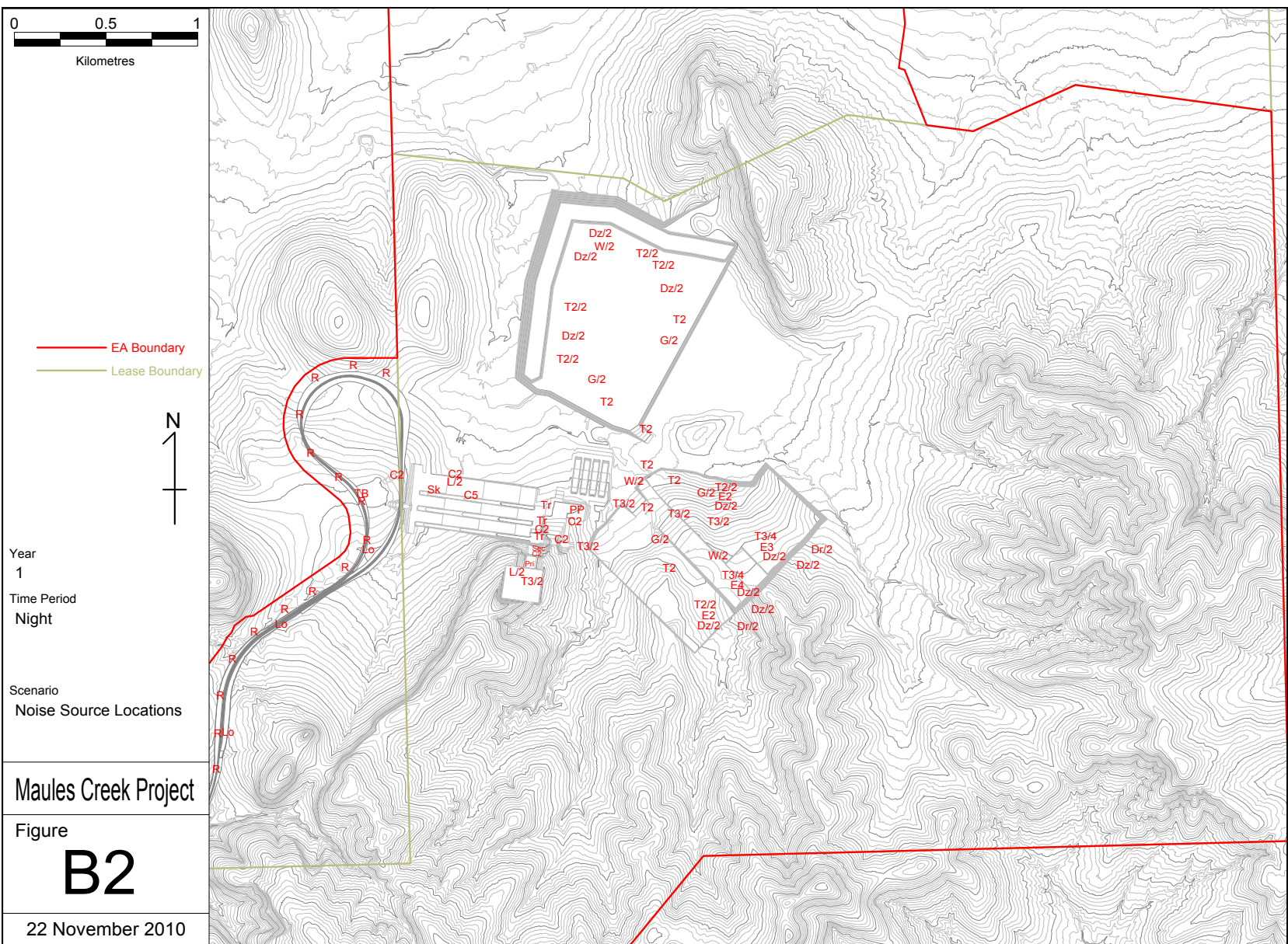


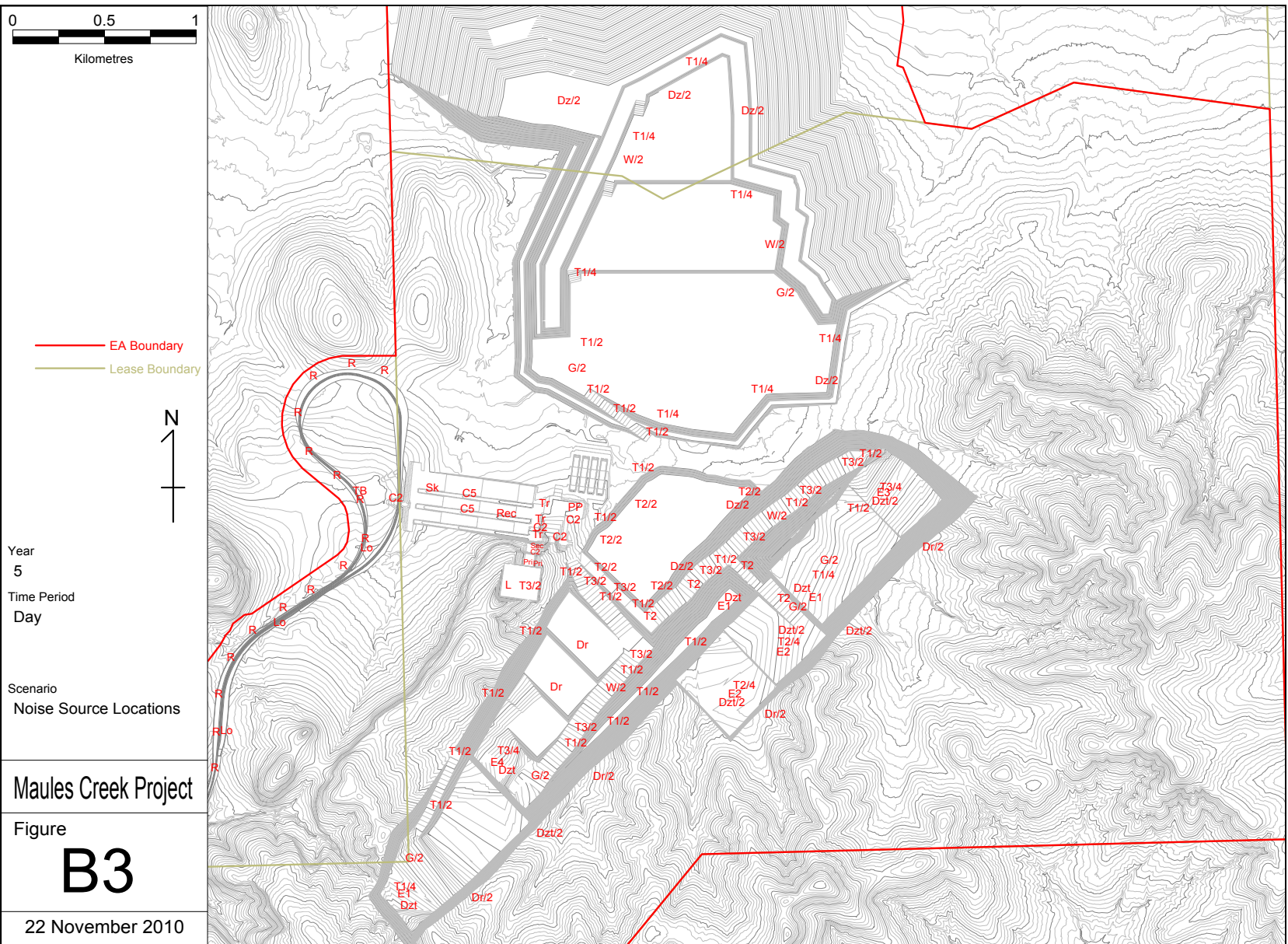


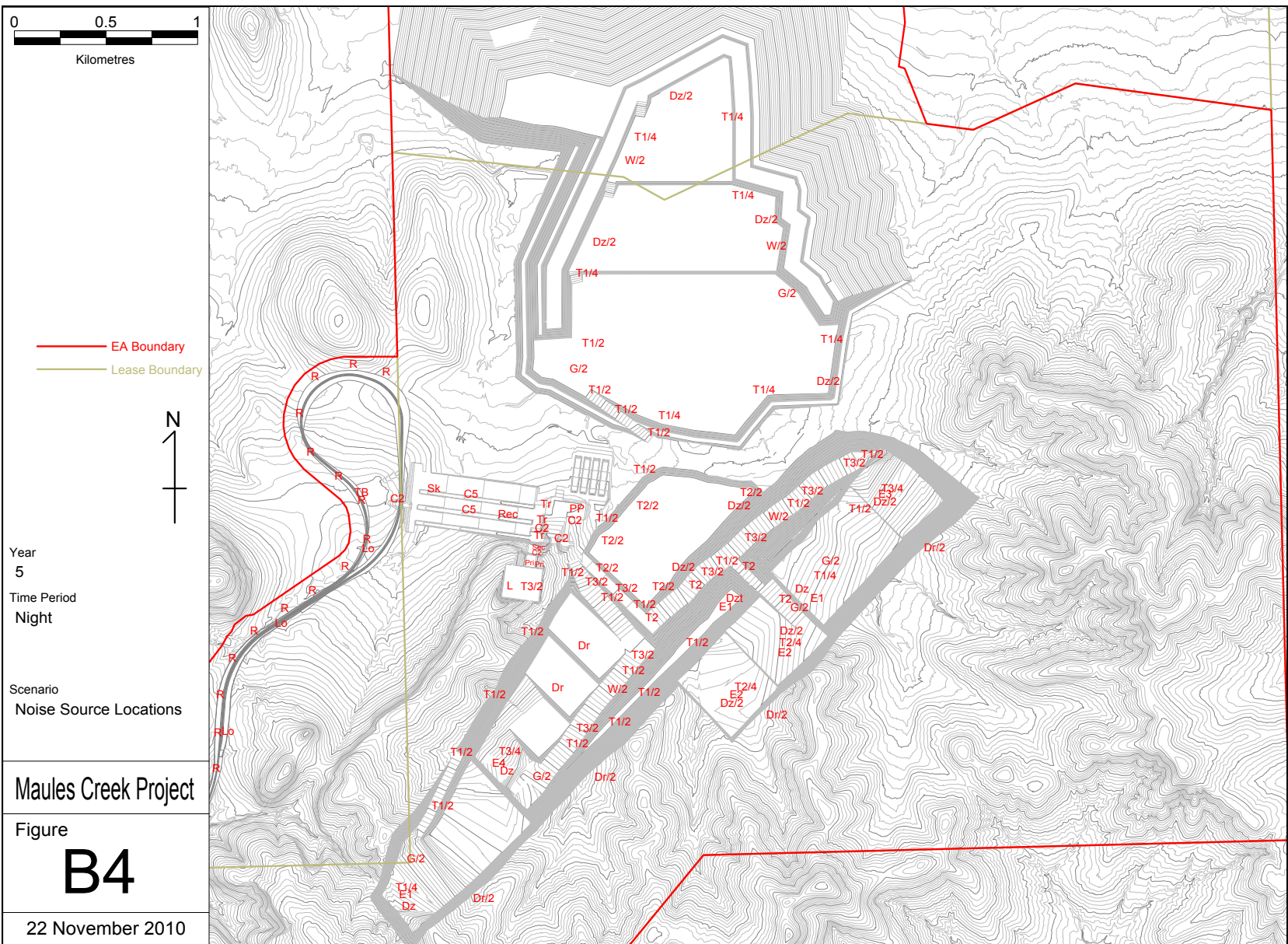
APPENDIX B – NOISE SOURCE LOCATION FIGURES

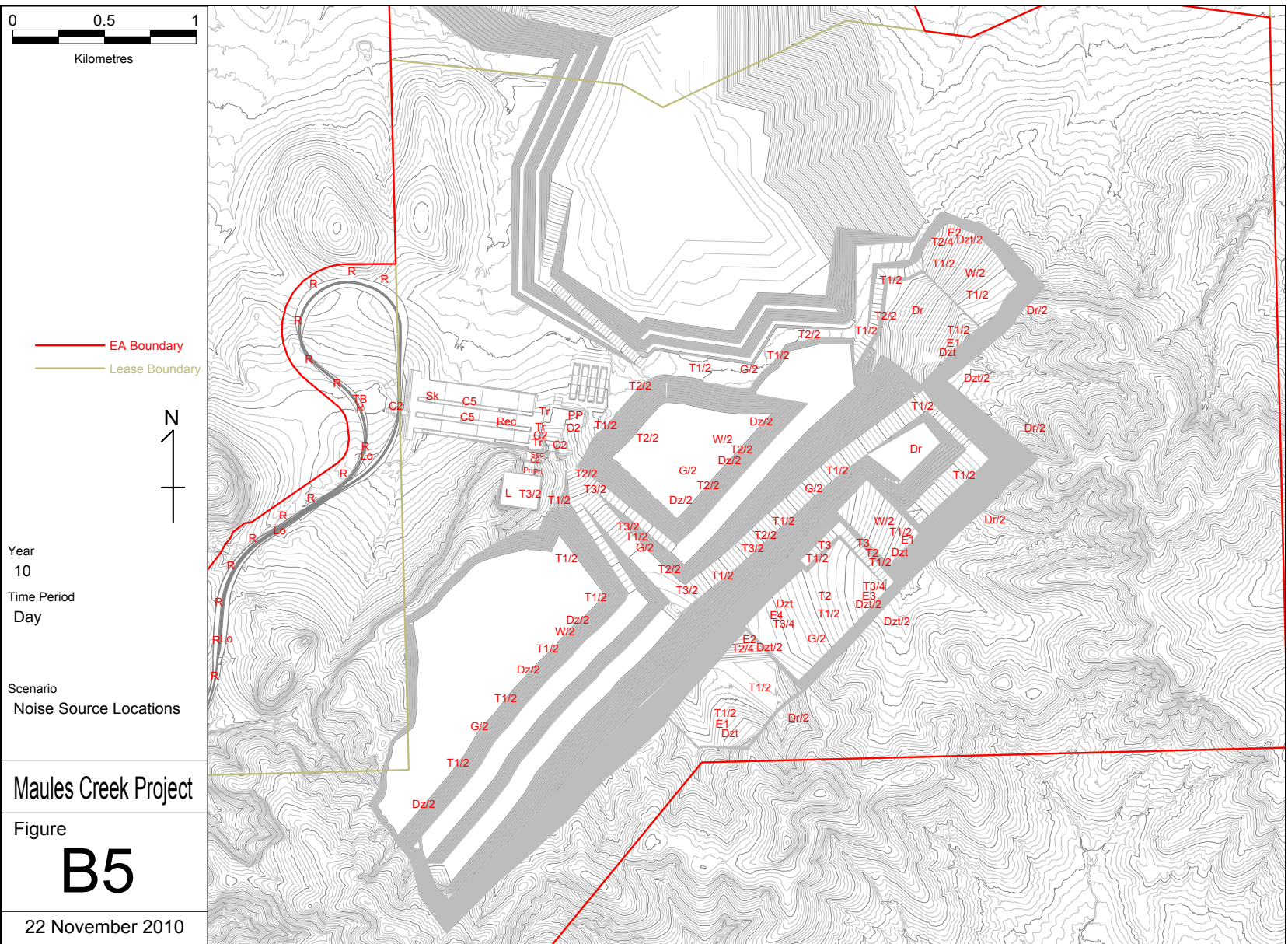
FIGURE	NOISE SOURCE LOCATION FIGURE
B1	Year 1 Day neutral weather conditions
B2	Year 1 Prevailing weather conditions
B3	Year 5 Day neutral weather conditions
B4	Year 5 Prevailing weather conditions
B5	Year 10 Day neutral weather conditions
B6	Year 10 Prevailing weather conditions
B7	Year 15 Day neutral weather conditions
B8	Year 15 Prevailing weather conditions
B9	Year 21 Day neutral weather conditions
B10	Year 21 Prevailing weather conditions
B11	All years Access Road and Rail Spur

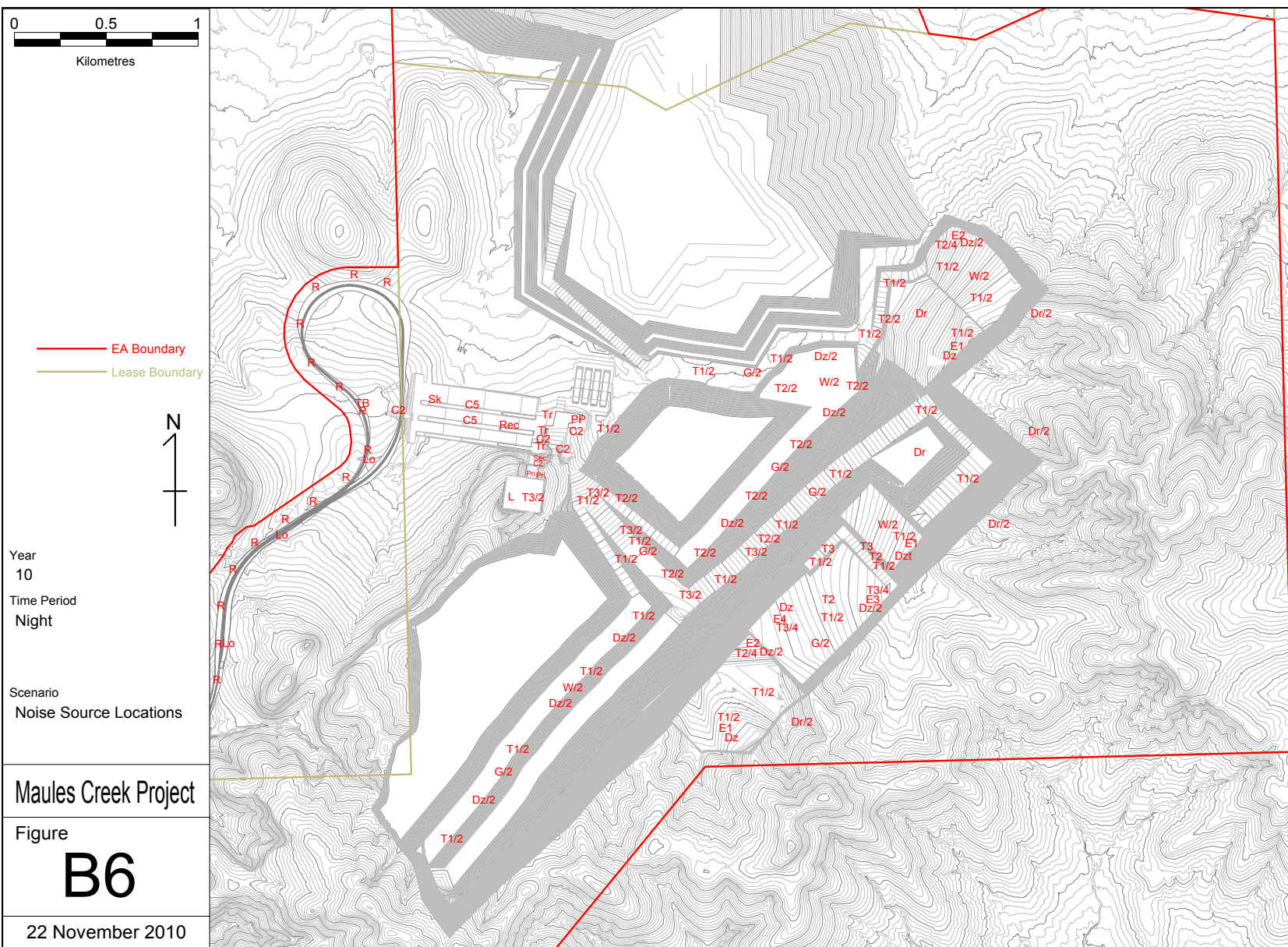


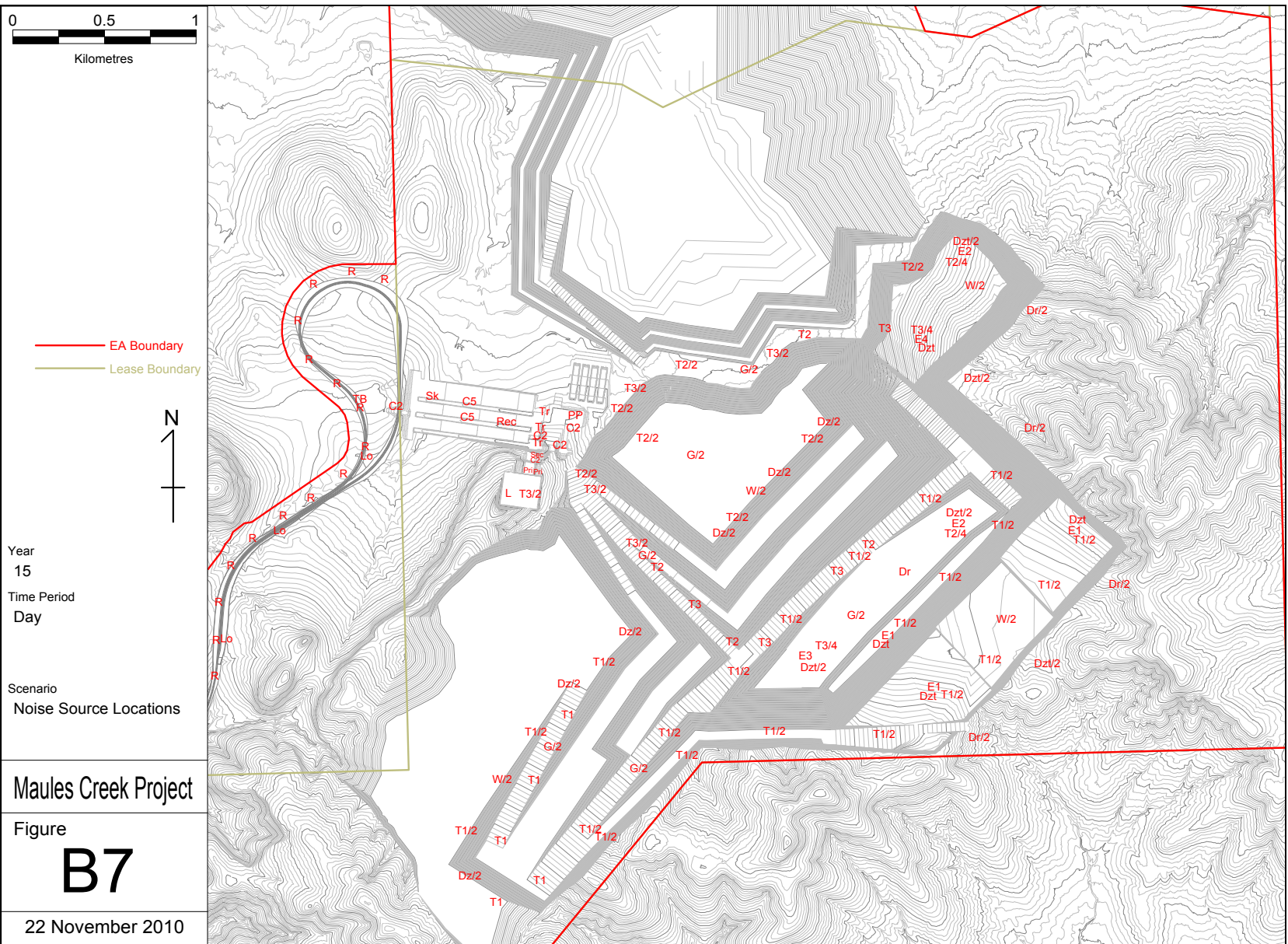


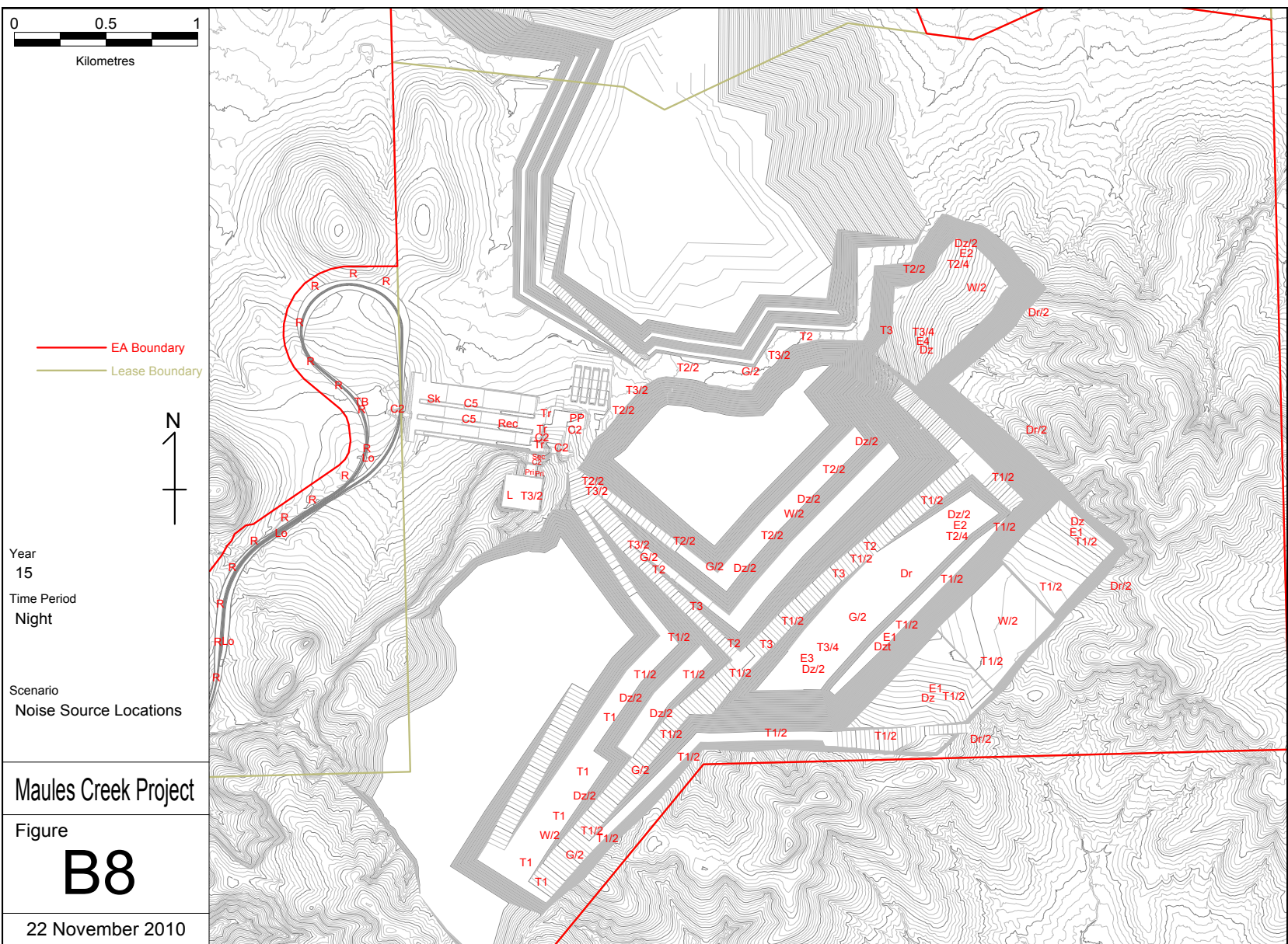


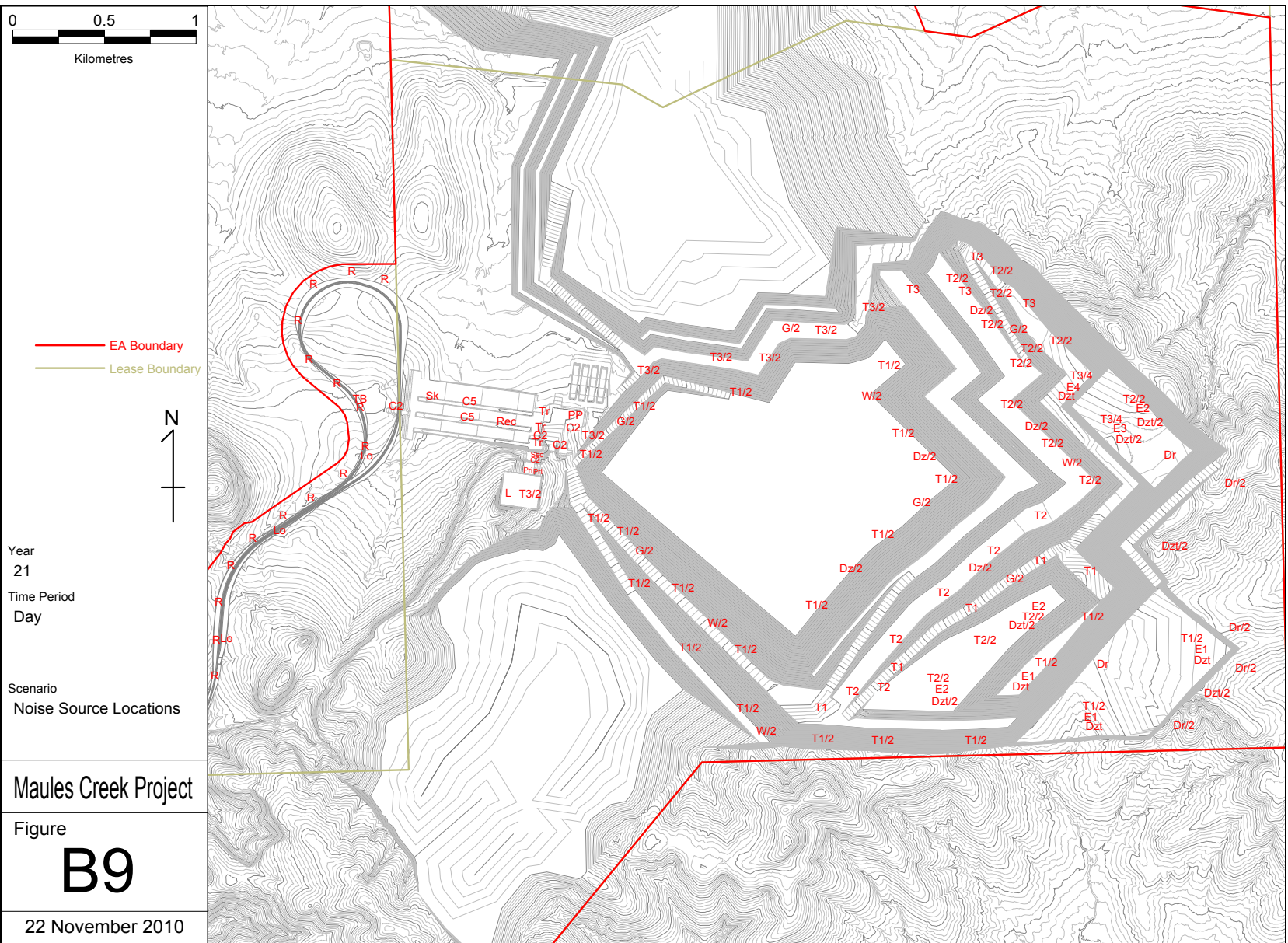


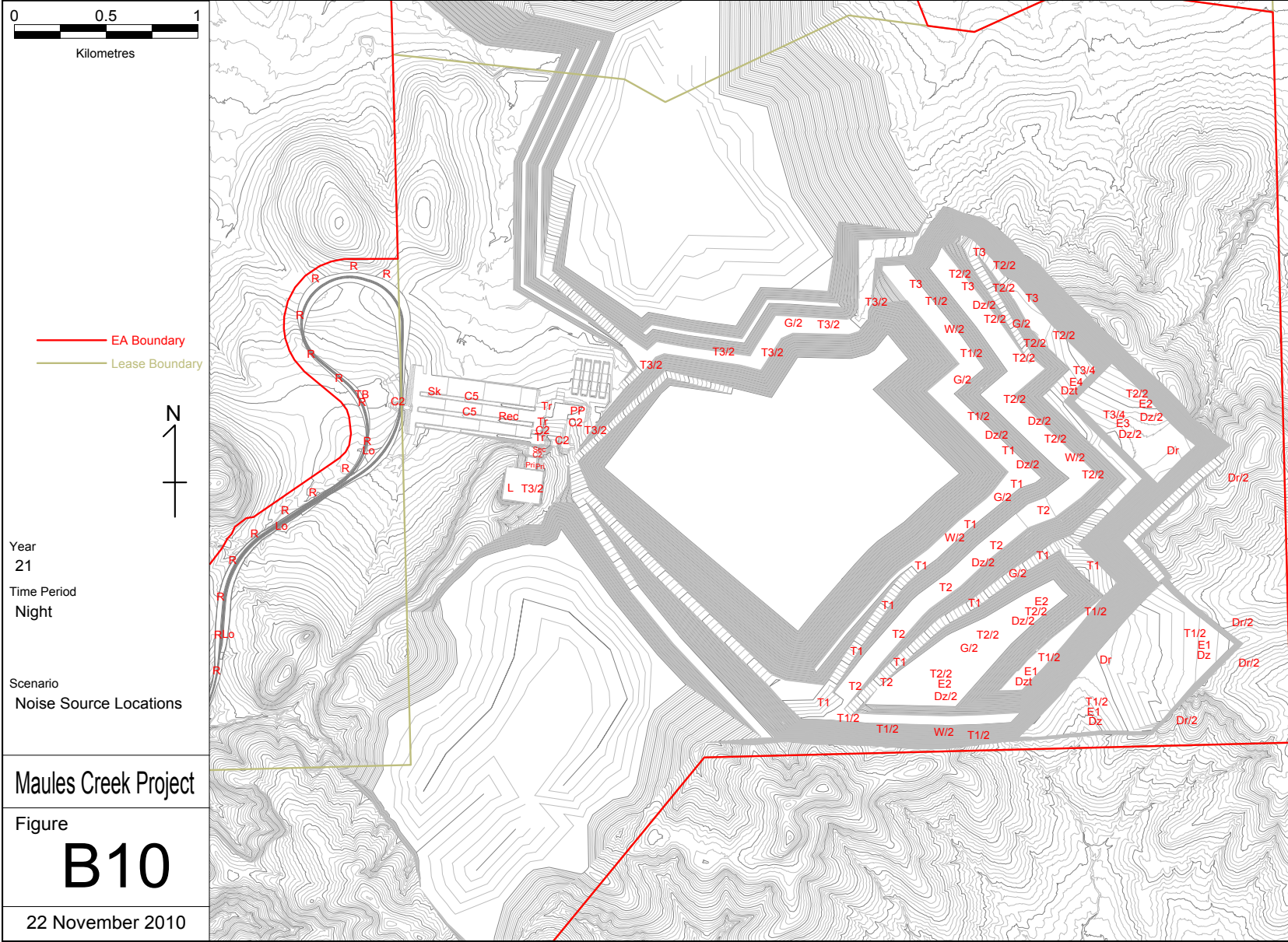


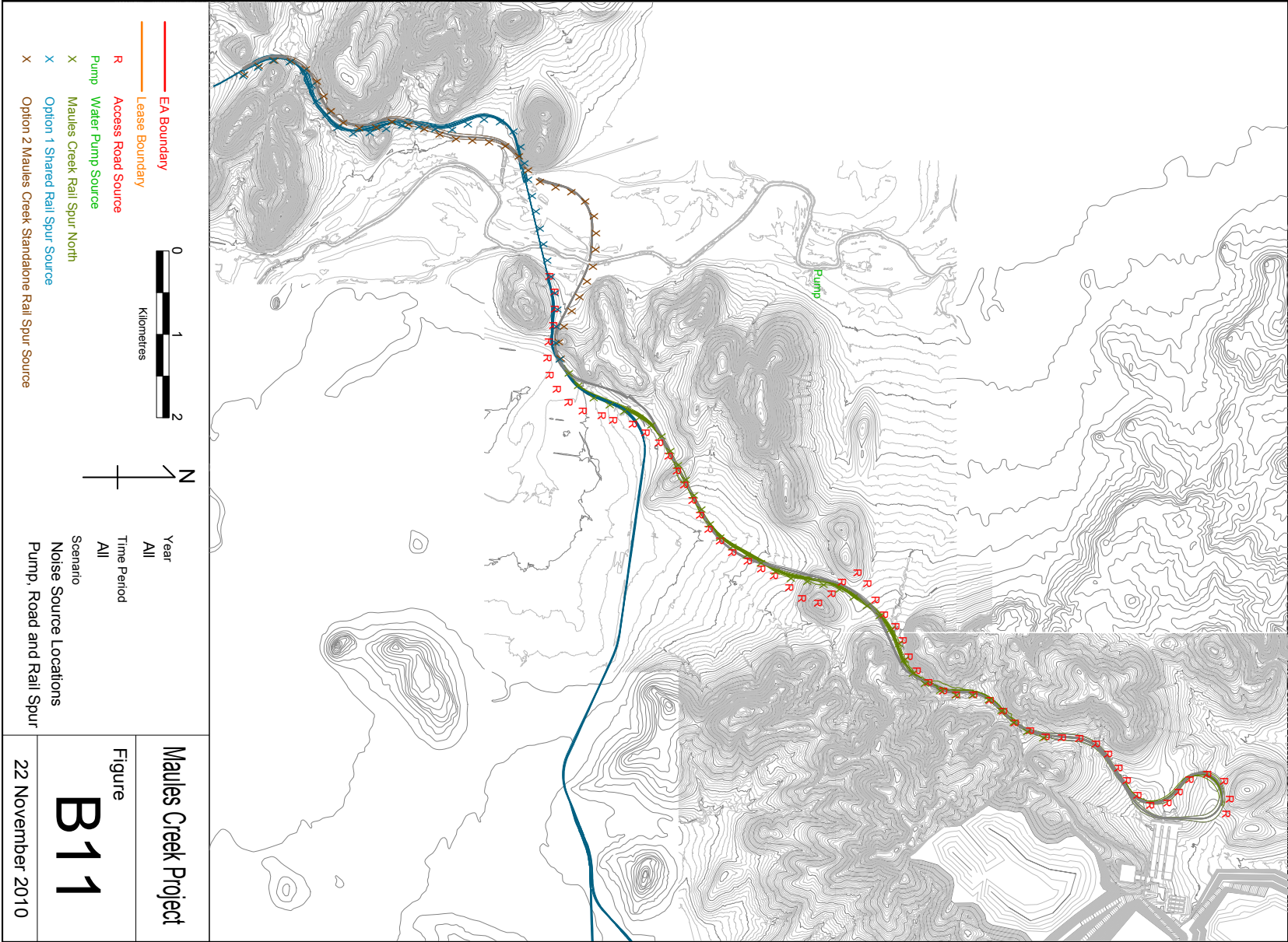












APPENDIX C – PREDICTED NOISE LEVEL TABLES

TABLE	DESCRIPTION
C1	Operational noise levels at residences, LAeq,15min
C2	Operational noise levels over 25% of property areas, LAeq,15min
C3	Operational noise levels over 25% of separate lots, LAeq,15min

Red shading highlights noise levels over 40 dBA.

Blue shading highlights noise levels over 37 dBA.

Green shading highlights noise levels over 35 dBA.

Residences, properties or lots omitted from the tables are predicted to receive less than 35 LAeq,15min during all time periods and weather conditions.

Predicted construction noise levels have been excluded from the tables.

Table C1: Noise Levels at Residences, LAeq,15min

Receiver Residence	Day Neutral					Day Prevailing					Night Prevailing					Night Prevailing + Rail Spur				
	Y1	Y5	Y10	T15	Y21	Y1	Y5	Y10	T15	Y21	Y1	Y5	Y10	T15	Y21	Y1	Y5	Y10	T15	Y21
126	32.7	28.6	21.2	20.3	20.0	45.2	40.0	36.7	36.3	36.0	48.4	42.8	39.6	40.4	40.5	48.4	42.8	39.6	40.5	40.5
134	19.5	19.3	19.7	21.1	18.9	32.5	34.4	34.1	32.3	33.0	33.8	35.8	35.3	33.0	34.4	33.8	35.8	35.3	33.0	34.5
118	29.0	26.6	25.5	24.4	24.0	40.0	38.6	37.2	37.0	36.7	44.0	42.2	40.1	39.6	39.5	44.0	42.2	40.2	39.7	39.6
120	16.6	18.4	18.8	17.9	16.9	22.8	23.2	23.4	23.4	22.9	35.8	36.2	36.0	34.9	34.4	38.9	39.1	39.0	38.5	38.3
108	24.3	23.1	22.6	21.1	21.0	35.4	34.4	34.8	33.6	33.6	39.1	38.7	37.5	36.4	36.4	39.1	38.7	37.6	36.4	36.4
61	30.0	30.0	30.1	30.0	30.0	30.0	30.0	30.1	30.0	30.0	34.4	35.1	34.6	34.4	34.4	43.0	43.1	43.0	43.0	43.0
256	20.9	21.0	21.2	21.0	20.9	20.9	21.0	21.2	21.0	20.9	30.4	31.0	31.2	31.5	30.9	39.9	40.0	40.1	40.1	40.0
259	18.5	18.8	19.0	18.7	18.6	18.5	18.8	19.0	18.7	18.6	27.8	28.8	29.3	29.5	29.0	38.9	39.0	39.1	39.1	39.0
236	12.8	14.5	16.1	14.7	13.3	18.4	18.8	19.4	19.2	18.6	32.9	34.0	33.5	32.6	31.4	35.3	35.9	35.6	35.1	34.5
77	19.8	19.0	17.1	17.3	17.4	31.3	33.4	33.4	31.3	32.2	33.2	35.0	34.6	32.1	33.3	33.2	35.0	34.6	32.2	33.3
82 (Church)	19.2	19.1	19.2	20.8	18.4	32.0	33.8	33.8	32.1	32.5	33.3	35.2	35.0	32.9	34.0	33.3	35.2	35.0	32.9	34.0

Table C2: Noise Levels Over 25% of Properties, LAeq,15min

Receiver Property	Day Neutral					Day Prevailing					Night Prevailing					Night Prevailing + Rail Spur				
	Y1	Y5	Y10	T15	Y21	Y1	Y5	Y10	T15	Y21	Y1	Y5	Y10	T15	Y21	Y1	Y5	Y10	T15	Y21
125-131	35.5	30.8	25.7	24.9	24.7	47.4	42.0	38.6	38.2	38.0	50.0	43.8	40.6	40.8	41.3	50.0	43.8	40.6	40.8	41.3
123-124	30.3	26.6	21.0	20.5	20.5	40.1	39.7	37.3	36.3	37.1	42.9	42.3	39.4	38.1	39.5	42.9	42.3	39.4	38.1	39.5
121-122	27.8	24.4	22.0	20.8	21.0	36.9	37.0	34.4	33.9	34.7	38.9	39.8	36.9	35.4	36.7	39.0	39.8	36.9	35.4	36.7
132-140	28.1	28.6	27.6	28.5	25.2	42.9	42.3	40.6	38.7	39.1	45.0	43.4	43.0	40.8	42.5	45.0	43.4	43.0	40.8	42.5
141-148	25.3	25.9	26.3	25.2	24.5	36.7	37.7	38.4	35.6	36.6	38.5	39.4	40.7	37.2	38.6	38.5	39.4	40.7	37.2	38.6
149-155	27.2	28.0	28.2	26.5	28.2	37.8	39.8	41.1	39.9	41.5	40.1	42.1	43.3	42.3	44.4	40.1	42.1	43.3	42.3	44.4
117-119	33.0	28.7	28.0	26.7	26.3	43.2	40.2	40.0	39.2	38.6	47.9	45.0	43.3	43.0	42.3	47.9	44.9	43.2	42.9	42.3
120	23.7	25.5	25.0	24.5	23.4	28.9	29.5	29.7	29.7	29.0	35.6	36.6	35.7	35.6	35.5	42.4	42.8	42.5	42.5	42.5
117-120	29.4	28.0	26.9	25.9	25.2	39.0	38.1	37.5	37.2	36.7	43.2	42.5	40.9	40.4	39.8	45.2	44.1	42.9	42.7	42.4
106-107	22.6	21.5	21.2	19.6	19.6	33.0	32.7	32.9	31.7	32.1	36.0	36.0	34.8	33.4	33.9	36.1	36.0	34.8	33.5	33.9
110-114	26.8	25.2	24.6	23.3	23.2	37.1	36.1	36.1	35.1	35.0	41.9	40.9	39.7	38.4	38.4	41.9	40.9	39.7	38.4	38.4
115-116	22.3	21.4	20.2	19.1	19.2	32.7	33.2	32.1	30.9	31.6	34.5	36.1	33.8	32.4	33.0	34.5	36.1	33.8	32.4	33.0
108-109	24.7	23.5	23.0	21.8	22.0	34.8	34.1	34.4	33.5	33.3	39.5	38.9	37.7	36.4	36.5	39.5	38.9	37.7	36.4	36.5
240	22.8	23.2	23.3	23.0	22.8	28.7	28.7	28.8	28.7	28.7	34.7	35.4	35.1	35.1	34.8	44.1	44.1	44.2	44.2	44.1
61-66	26.9	27.0	27.0	27.0	27.0	26.9	27.0	27.0	27.0	27.0	32.3	33.4	32.7	32.1	32.1	40.6	40.9	40.7	40.6	40.6
58-66	24.6	24.7	24.7	24.6	24.6	31.0	32.2	32.3	30.7	31.4	33.3	34.2	33.7	32.1	32.9	38.3	38.6	38.4	38.3	38.3
256-263	23.1	23.2	23.3	23.2	23.1	23.1	23.2	23.3	23.2	23.1	29.9	30.9	30.7	30.7	30.4	41.5	41.5	41.5	41.5	41.5

Table C2: Noise Levels Over 25% of Properties, LAeq,15min

Receiver Property	Day Neutral					Day Prevailing					Night Prevailing					Night Prevailing + Rail Spur				
	Y1	Y5	Y10	T15	Y21	Y1	Y5	Y10	T15	Y21	Y1	Y5	Y10	T15	Y21	Y1	Y5	Y10	T15	Y21
266-268	19.1	19.4	19.5	19.3	19.3	19.1	19.4	19.5	19.3	19.3	27.6	29.7	28.9	28.0	27.8	33.9	34.5	34.2	33.9	33
168-170	19.5	21.5	22.0	21.6	24.4	29.6	32.7	33.8	33.1	35.5	33.2	35.2	36.3	35.7	38.3	33.2	35.2	36.3	35.7	38.3
173-174	18.5	20.4	21.3	20.9	24.0	28.1	31.4	32.2	31.7	34.1	31.6	33.8	34.6	34.2	36.8	31.6	33.8	34.6	34.2	36.8
175	18.4	20.1	21.1	20.7	23.8	27.7	31.4	31.8	31.3	33.8	31.1	33.5	34.3	33.6	36.5	31.1	33.5	34.3	33.6	36.5
156-165	20.4	21.8	22.7	21.6	23.1	31.0	32.8	34.1	32.8	34.7	32.5	34.5	36.1	34.5	36.5	32.6	34.5	36.1	34.5	36.5
246-247	18.9	19.2	19.4	19.1	18.9	24.7	24.8	24.8	24.8	24.7	31.0	31.2	30.8	31.0	31.0	39.7	39.7	39.7	39.7	39.7
237-239	12.1	13.4	14.9	13.6	12.6	16.8	17.0	17.6	17.3	16.9	29.1	30.1	29.7	29.7	28.3	34.9	35.2	35.1	35.1	34.8
244-245	11.3	12.6	13.7	12.6	11.8	14.8	15.1	15.6	15.3	15.0	27.4	28.3	28.1	28.2	27.3	35.6	35.7	35.7	35.6	35.6
254-255	14.2	14.8	15.2	14.7	14.6	14.2	14.8	15.2	14.7	14.6	26.1	27.7	27.5	27.6	27.2	40.2	40.2	40.2	40.2	40.2
236	14.4	16.0	17.2	16.0	14.8	19.8	20.1	20.5	20.5	19.9	33.2	34.4	33.7	33.0	31.9	36.4	37.0	36.7	36.3	35.8
227	15.3	17.1	17.8	16.8	15.5	21.0	21.4	21.7	21.7	21.1	34.9	35.7	35.6	33.7	33.5	37.7	38.1	37.9	37.2	37.0
228	12.2	13.7	15.7	14.0	12.7	17.6	17.9	18.7	18.4	17.8	31.9	33.1	32.4	31.6	30.5	34.5	35.2	34.8	34.5	33.9
227-228	14.9	16.7	17.4	16.3	15.1	20.4	20.8	21.2	21.3	20.5	34.6	35.5	35.4	33.5	33.2	37.3	37.8	37.6	36.8	36.6
104	20.7	19.6	19.3	18.2	18.2	30.5	29.6	30.2	29.6	29.1	35.0	34.5	33.8	32.0	32.7	35.0	34.6	33.9	32.1	32.8
70-77	20.1	19.5	17.5	18.3	17.9	32.1	33.7	33.7	31.9	32.3	33.8	35.3	34.9	32.7	33.7	33.8	35.3	34.9	32.8	33.7
82	19.2	19.1	19.1	20.8	18.3	32.0	33.8	33.8	32.1	32.5	33.3	35.1	35.0	32.8	33.9	33.3	35.1	35.0	32.9	34.0
250-251	5.6	7.2	7.4	7.1	7.2	5.6	7.2	7.4	7.1	7.2	16.0	19.4	22.4	21.8	18.7	37.1	37.1	37.1	37.1	37.1