

## **APPENDIX 3.**

# **ARCHAEOLOGICAL SURVEY COVERAGE DATABASE**

### **Key:**

Vegetation: 1 = cleared/grass/crop; 2 = forest/bush/regrowth;

Land Surface: 1 = sheet erosion; 2 = gully erosion; 3 = stream bank erosion; 4 = vegetated; 5 = modified;

Erosion = E, Depositional = D, Uncertain = U;

Detection Limiting Factors: 1 = vegetation; 2 = leaf litter/gravel; 3 = sediment deposition; 4 = other.

# of artefacts: Only relates to sites within present investigation area as recorded during current survey  
(ie. excludes TE 80/C, 154/B and 154/C).

**TASMAN EXTENSION - ARCHAEOLOGICAL SURVEY COVERAGE DATABASE**

Survey Area Number	Slope	Landform Element	Distance to Water (metres)	Vegetation	Land Surface	Rock Outcrop Material	Rock Outcrop Form	Extent of Rock Outcrop (%)	Exposure Type (Horizon)	Erosion/Deposition	Total Sample Area (m <sup>2</sup> )	Surface Visibility (%)	Detection Limiting Factors	Archaeological Visibility %	Ground Disturbance	Effective Survey Coverage (m <sup>2</sup> )	# of Artefacts (open sites)	Artefact Density/m <sup>2</sup> of Effective Survey Coverage	Comments	Survey Unit Area (m <sup>2</sup> )
TE1	gentle	simple slope	>50	1, 2	2, 4, 5	sandstone, conglomerate	boulder, outcrop	<10	A	E	4,500	5	1, 2	5	mod	225	6	0.027	forest regrowth and erosion along transmission line access track	7,973
TE2	level - very gentle	simple slope	>50	2	4, 5				A	E	5,000	55	1, 2	25	low	1250	0	-	access track disturbed by sealed road construction next to Orica facilities	63,587
TE3	gentle	simple slope	>50	2	4	sandstone	boulder	<10	A	E	11,500	20-70	1, 2	15-70	low	2825	0	-	thick vegetation restricts visibility	224,660
TE4	moderate	simple slope	>50	2	4	sandstone, conglomerate	open surface	<10	A	E	2,500	2	1, 2	2	low	50	0	-		13,496
TE5	gentle	spur crest	>50	2	4	sandstone, conglomerate	open surface	<10	A	E	2,000	2	1, 2	2	low	40	0	-		7,486
TE6	level - very gentle	spur crest	>50	2	4	sandstone, conglomerate	open surface	<10	A	E	1,500	2	1, 2	2	low	30	0	-		6,707
TE7	gentle	simple slope	<50	2	4	sandstone, conglomerate	open surface	<10	A	E	4,000	2	1, 2	2	low	80	0	-		39,450
TE8	gentle	drainage depression	<50	2	4	sandstone, conglomerate	open surface	<10	A	E	4,500	2	1, 2	2	low	90	0	-		46,542
TE9	gentle	simple slope	<50	2	4	sandstone, conglomerate	open surface	<10	A	E	4,500	2	1, 2	2	low	90	0	-		26,055
TE10	gentle	drainage depression	<50	2	2, 4	sandstone, conglomerate	open surface	<10	A	E	5,000	2	1, 2	2	low	100	1	0.010		28,704
TE11	level - very gentle	flat	>50	2	4				A	E	800	15	1, 2	15	low	120	0	-	forest regrowth and erosion along access track	17,393
TE12	level - very gentle	simple slope	>50	2	4				A	E	5,200	15	1, 2	15	low	780	0	-		95,551
TE13	moderate	simple slope	>50	1, 2	4	sandstone, conglomerate	boulder	10-50	A	E	2,500	2	1, 2	2	low	50	0	-		28,817
TE14	gentle	drainage depression	<50	2	3, 4	sandstone, conglomerate			A	E	4,500	5	1, 2	5	low	225	0	-		116,764
TE15	moderate	simple slope	>50	1, 2	4, 5	sandstone, conglomerate	boulder	<10	A	E	4,500	20	1, 2	20	low	900	0	-		21,600
TE16	moderate	simple slope	<50	2	4	sandstone, conglomerate	open surface, boulder	<10	A	E	4,500	2	1, 2	2	low	90	0	-	open forest, some boulders, no large trees or shelters	55,203
TE17	gentle	simple slope	>50	2	4	sandstone	outcrop	<10	A	E	19,800	5	1, 2	1	low	198	0	-	area used as dumping ground	77,481
TE18	level - very gentle	flat	>50	2	4	sandstone	outcrop	<10	A	E	13,500	5	1, 2	1	low	135	0	-		92,705
TE19	gentle	drainage depression	<50	2	4	sandstone	outcrop	<10	A	E	2,700	15	1, 2, 3	2	low	54	0	-		5,593
TE20	steep	simple slope	>50	2	4, 5	sandstone	outcrop	10-50	A	E	15,000	15	1, 2	5	low	2250	0	-		153,773
TE21	moderate	drainage depression	<50	2	4	sandstone	outcrop	10-50	A	E	200	15	1, 2, 3	2	low	4	0	-		3,971
TE22	moderate	drainage depression	<50	2	4	sandstone	outcrop	<10	A	E	400	15	1, 2, 3	2	low	8	0	-		2,344
TE23	moderate	ridge crest	>50	1, 2	4, 5	sandstone	scarp, outcrop	10-50	A	E	6,000	15	1, 2	15	low	900	0	-		84,694

**TASMAN EXTENSION - ARCHAEOLOGICAL SURVEY COVERAGE DATABASE**

Survey Area Number	Slope	Landform Element	Distance to Water (metres)	Vegetation	Land Surface	Rock Outcrop Material	Rock Outcrop Form	Extent of Rock Outcrop (%)	Exposure Type (Horizon)	Erosion/Deposition	Total Sample Area (m <sup>2</sup> )	Surface Visibility (%)	Detection Limiting Factors	Archaeological Visibility %	Ground Disturbance	Effective Survey Coverage (m <sup>2</sup> )	# of Artefacts (open sites)	Artefact Density/m <sup>2</sup> of Effective Survey Coverage	Comments	Survey Unit Area (m <sup>2</sup> )
TE24	steep	drainage depression	<50	2	2, 4	sandstone, conglomerate	boulder, outcrop	10-50	A	E	3,000	2	1, 2	2	low	60	0	-		34,121
TE25	steep	simple slope	>50	2	4	sandstone, conglomerate	open surface, boulder, outcrop	10-50	A	E	3,000	2	1, 2	2	low	60	0	-		28,072
TE26	steep	scarp	>50	2	4	sandstone, conglomerate	scarp, boulder	10-50	A	E	1,500	2	1, 2	2	low	30	0	-		16,223
TE27	gentle	spur crest	>50	2	4	sandstone, conglomerate	boulder	10-50	A	E	3,800	2-15	1, 2	2-15	low	180	0	-		33,587
TE28	steep	spur crest	>50	2	4	sandstone, conglomerate	open surface, boulder, outcrop	<10	A	E	1,500	2	1, 2	2	low	30	0	-		11,562
TE29	steep	simple slope	>50	2	4, 5	sandstone, conglomerate	boulder, outcrop, shelter, overhang	10-50	A	E	4,500	2	1, 2	2	low, high	90	1	0.011	high impact along the transmission line access	39,471
TE30	moderate	simple slope	>50	2	4	sandstone, conglomerate	boulder, outcrop, shelter, overhang	<10	A	E	4,500	2	1, 2	2	low	90	0	-		94,049
TE31	moderate	scarp	>50	2	4	sandstone	scarp, outcrop	10-50	A	E	2,000	15	1, 2	15	low	300	0	-		44,438
TE32	level - very gentle	drainage depression	>50	2	4	sandstone	outcrop	<10	A	E	4,000	20	1, 2	5	low	200	0	-		35,239
TE33	steep	drainage depression	<50	2	2, 4	sandstone, conglomerate	boulder, outcrop	<10	A	E	1,500	2	1, 2	2	low	30	0	-		22,777
TE34	level - very gentle	simple slope	>50	2	4				A	E	11,200	15	1, 2	2-5	low	464	1	0.002		168,112
TE35	moderate	drainage depression	<50	1, 2	4, 5	sandstone, conglomerate	boulder, outcrop	<10	A	E	1,200	2	1, 2	2	high	24	0	-		22,964
TE36	steep	drainage depression	<50	1, 2	4, 5	sandstone, conglomerate	boulder, outcrop	<10	A	E	900	2	1, 2	2	high	18	0	-		25,583
TE37	steep	simple slope	>50	1, 2	4	sandstone, conglomerate	boulder, outcrop, shelter, overhang	10-50	A	E	2,250	2	1, 2	2	low - high	45	0	-	high impact along the transmission line access	29,923
TE38	steep	simple slope	<50	2	4	sandstone, conglomerate	boulder, outcrop, shelter, overhang	10-50	A	E	1,200	5	1, 2	5	low	60	0	-		21,808
TE39	steep	drainage depression	<50	2	2	sandstone, conglomerate	boulder, outcrop	>50	A	E	1,800	5	1, 2	5	low	90	0	-		13,802
TE40	level - very gentle	drainage depression	>50	2	4	sandstone	outcrop	<10	A	E	3,500	20	1, 2, 3	5	low	175	0	-		24,339
TE41	moderate	simple slope	>50	2	4	sandstone, conglomerate	boulder, outcrop	10-50	A	E	3,000	2	1, 2	2	low	60	0	-		81,167
TE42	steep	simple slope	<50	2	4	sandstone, conglomerate	boulder, outcrop, overhang	10-50	A	E	1,200	5	1, 2	5	low	60	0	-		7,871
TE43	steep	drainage depression	<50	2	2, 4	sandstone, conglomerate	cliff, scarp, boulder, outcrop, rock shelter, overhang	>50	A	E	1,650	5	1, 2	5	low	83	0	-		18,506

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TE44	steep	simple slope	>50	2	4	sandstone, conglomerate	boulder, outcrop, rock shelter, overhang	10-50	A	E	600	2	1, 2	2	low	12	0	-		7,834
TE45	steep	drainage depression	<50	2	4	sandstone, conglomerate	boulder, outcrop, overhang	>50	A	E	1,500	2	1, 2	2	low	30	0	-		14,580
TE46	steep	simple slope	>50	2	4	sandstone, conglomerate	boulder, outcrop, rock shelter, overhang	10-50	A	E	2,000	2	1, 2	2	low	40	0	-		31,228
TE47	steep	ridge crest	>50	2	4	sandstone, conglomerate	boulder, outcrop, rock shelter, overhang	10-50	A	E	2,800	2	1, 2	2	low	56	0	-		36,724
TE48	gentle	drainage depression	<50	2	4	sandstone	outcrop	<10	A	E	7,200	15	1, 2	5	low	360	0	-		82,916
TE49	level - very gentle	simple slope	<50	2	4				A	E	64	15	1, 2	5	low	320	0	-		204,195
TE50	level - very gentle	simple slope	>50	2	4				A	E	5,400	30	1, 2	15	low	810	3	0.004		165,530
TE51	level - very gentle	flat	>50	2	4	sandstone	outcrop	<10	A	E	14,400	70	1, 2	40	mod	5760	5	0.001		320,188
TE52	level - very gentle	drainage depression	<50	2	3, 4				A	E	600	60	1, 2	10	low	60	0	-	sediment build up, densely vegetated	85,852
TE53	level - very gentle	simple slope	<50	2	4	sandstone	outcrop	<10	A	E	9,000	15	1, 2	5	low	450	9	0.020		284,554
TE54	level - very gentle	simple slope	>50	2	4, 5				A	E	1,200	5	1, 2	5	low	60	0	-		56,882
TE55	level - very gentle	drainage depression	<50	2	3, 4				A	E	1,200	30	1, 2, 3	5	low	60	0	-		35,007
TE56	level - very gentle	simple slope	>50	2	4, 5				A	E	14,700	15-80	1, 2, 3	5-10	mod	810	3	0.004	access track	227,401
TE57	gentle	drainage depression	<50	2	4	sandstone	outcrop	10-50	A	E	4,000	30	1, 2, 3	5	low	200	0	-		109,667
TE58	gentle	drainage depression	<50	2	4	sandstone	outcrop	10-50	A	E	4,000	20	1, 2, 3	5	low	200	0	-		29,460
TE59	gentle	simple slope	>50	2	4, 5				A	E	600	5	1, 2	5	low	30	0	-		25,973
TE60	gentle	drainage depression	<50	2	4	sandstone	outcrop	<10	A	E	5,600	20	1, 2, 3	5	low	280	0	-		57,818
TE61	steep	simple slope	<50	2	4	sandstone	outcrop	10-50	A	E	2,400	20	1, 2	5	low	120	0	-		19,227
TE62	gentle	drainage depression	<50	2	3, 4	sandstone	outcrop	10-50	A	E	2,400	20	1, 2, 3	5	low	120	0	-		21,690
TE63	steep	simple slope	<50	2	4	sandstone	outcrop	10-50	A	E	1,600	20	1, 2	5	low	80	0	-		28,388
TE64	steep	simple slope	<50	2	4	sandstone	scarp, outcrop, rock shelter	10-50	A	E	9,000	15	1, 2	5	low	450	0	-		365,254
TE65	gentle	simple slope	>50	2	4, 5				A	E	1,800	5	1, 2	5	low	90	0	-		23,846
TE66	gentle	simple slope	>50	2	4, 5				A	E	600	5	1, 2	5	low	30	0	-		9,958
TE67	moderate	drainage depression	<50	2	3, 4	sandstone	boulder, outcrop	10-50	A	E	3,000	5	1, 2	5	low	60	0	-		17,803
TE68	gentle	simple slope	>50	2	4, 5				A	E	480	15	1, 2	5	low	24	0	-		23,401
TE69	moderate	drainage depression	<50	2	3, 4	sandstone	boulder, outcrop	10-50	A	E	3,000	80	1, 2, 3	10	low	300	0	-		85,767
TE70	gentle	simple slope	>50	2	4				A	E	4,800	5	1, 2	5	low	240	0	-		125,765
TE71	gentle	drainage depression	<50	2	3, 4				A	E	5,400	5	1, 2, 3	5	low	270	0	-		31,003
TE72	gentle	simple slope	>50	2	4				A	E	1,200	5	1, 2	5	low	60	0	-		65,049



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TE73	moderate	drainage depression	<50	2	2, 4	sandstone	boulder, outcrop	>50	A	E	5,600	2	1, 2	2	low	112	0	-		30,044
TE74	steep	simple slope	>50	2	4	sandstone	boulder, outcrop, rock shelter, overhang	10-50	A	E	2,240	2	1, 2	2	low	45	0	-		18,013
TE75	gentle	scarp	>50	2	4	sandstone	boulder	<10	A	E	2,800	2	1, 2	2	low	56	0	-		19,441
TE76	moderate	scarp	<50	2	4	sandstone	scarp	10-50	A	E	8,800	30	1, 2	5	low	440	0	-		140,432
TE77	steep	simple slope	<50	2	4	sandstone, conglomerate	boulder, outcrop		A	E	2,400	2	1, 2	2	low	48	0	-		51,380
TE78	moderate	simple slope	<50	2	4	sandstone, conglomerate	boulder, outcrop		A	E	900	2	1, 2	2	low	18	0	-		45,494
TE79	steep	simple slope	>50	2	4	sandstone, conglomerate	cliff, scarp, boulder, rock shelter, overhang	10-50	A	E	1,200	2	1, 2	2	low	24	1	0.042		115,445
TE80	gentle	simple slope	>50	2	4	sandstone, conglomerate	boulder, outcrop	10-50	A	E	25,260	2	1, 2	2	low	505	2	0.004		257,077
TE81	moderate	simple slope	>50	2	4	sandstone	boulder	<10	A	E	100	5	1, 2	5	low	5	0	-		14,500
TE82	steep	drainage depression	<50	2	2, 4	sandstone		>50	A	E	1,800	2	1, 2	2	low	36	0	-		18,475
TE83	moderate	simple slope	<50	2	4	sandstone	boulder		A	E	2,000	2	1, 2	2	low	40	0	-		184,485
TE84	moderate	ridge crest	>50	2	4	sandstone, conglomerate	boulder	<10	A	E	6,020	2	1, 2	2	low	120	5	0.042	access track	41,836
TE85	gentle	simple slope	>50	2	4	sandstone, conglomerate	boulder	<10	A	E	10,500	2	1, 2	2	low	210	24	0.114		130,839
TE86	moderate	drainage depression	<50	2	2, 4	sandstone, conglomerate	boulder, outcrop, overhang		A	E	5,580	2	1, 2	2	low	112	0	-		162,342
TE87	moderate	simple slope	<50	2	4	sandstone, conglomerate	boulder, outcrop		A	E	900	2	1, 2	2	low	18	0	-		26,938
TE88	moderate	drainage depression	<50	2	2, 4	sandstone	boulder, outcrop	>50	A	E	6,000	2	1, 2	2	low	120	0	-		129,463
TE89	moderate	drainage depression	<50	2	2, 3, 4	sandstone	boulder, outcrop	10-50	A	E	2,400	2	1, 2	2	low	48	0	-		45,755
TE90	moderate	simple slope	>50	2	4	sandstone	boulder	10-50	A	E	2,800	2	1, 2	2	low	56	0	-		39,850
TE91	moderate	drainage depression	<50	2	2, 4	sandstone, conglomerate	boulder, outcrop	10-50	A	E	600	2	1, 2	2	low	12	0	-		6,566
TE92	moderate	drainage depression	<50	2	4	sandstone, conglomerate	boulder, outcrop		A	E	1,600	5	1, 2	5	low	80	1	0.012		19,429
TE93	steep	drainage depression	<50	2	4	sandstone, conglomerate	cliff, scarp, boulder, outcrop, rock shelter, overhang	10-50	A	E	2,800	2	1	2	low	56	0	-	silicate pebbles	52,721
TE94	moderate	simple slope	<50	2	4	sandstone, conglomerate	open surface, boulder, outcrop		A	E	2,800	2	1, 2	2	low-mod	56	0	-		43,448

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TE95	moderate	spur crest	<50	2	4	sandstone, conglomerate	cliff, scarp, boulder, outcrop, rock shelter, overhang	10-50	A	E	1,400	2	1	2	low	28	0	-	silerete pebbles	29,582
TE96	steep	simple slope	<50	2	4	sandstone, conglomerate	cliff, scarp, boulder, rock shelter, overhang		A	E	9600	2	1, 2	2	low	192	0	-		131,016
TE97	steep	simple slope	>50	2	4	sandstone	boulder, outcrop, rock shelter	10-50	A	E	3,200	2	1, 2	2	low	64	0	-		53,340
TE98	moderate	drainage depression	<50	2	2, 3, 4	sandstone	boulder, outcrop	10-50	A	E	3,200	2	1, 2	2	low	64	0	-		37,862
TE99	gentle	ridge crest	>50	2	4	sandstone	boulder, outcrop	<10	A	E	2,400	2	1, 2	2	low	48	0	-		82,996
TE100	moderate	simple slope	>50	2	4	sandstone	boulder	<10	A	E	1,760	2	1, 2	2	low	35	0	-		26,837
TE101	moderate	simple slope	>50	2	4	sandstone, conglomerate	boulder	<10	A	E	420	2	1, 2	2	low	8	0	-		26,104
TE102	steep	ridge crest	>50	2	4	sandstone	scarp, boulder	<10	A	E	1800	2	1, 2	2	low	36	0	-		32,430
TE103	steep	drainage depression	<50	2	4	sandstone, conglomerate	boulder, rock shelter	10-50	A	E	540	2	1, 2	2	low	11	0	-		8,227
TE104	steep	simple slope	>50	2	4	sandstone, conglomerate	cliff, scarp, boulder, outcrop, rock shelter, overhang	10-50	A	E	5,300	2	1, 2	2	low	106	0	-		134,073
TE105	steep	simple slope	>50	2	4	sandstone, conglomerate	cliff, boulder, outcrop, rock shelter, overhang		A	E	3,000	2	1, 2	2	low	60	0	-		326,197
TE106	moderate	drainage depression	<50	2	2, 3	sandstone	boulder, outcrop	10-50	A	E	1,280	2	1, 2	2	low	26	0	-		5,824
TE107	gentle	simple slope	>50	1, 2	2, 3, 4, 5	sandstone, conglomerate	boulder, outcrop	<10	A	E	6,400	5	1, 2	5	low - high	320	1	0.003	transmission line	51,128
TE108	moderate	drainage depression	<50	2	2, 3, 4	sandstone, conglomerate	boulder, outcrop		A	E	10,800	2	1, 2	2	low	216	0	-		161,670
TE109	gentle	ridge crest	<50	2	4	sandstone, conglomerate	boulder	<10	A	E	1,000	2	1, 2	2	low	20	0	-		9,494
TE110	moderate	simple slope	<50	2	4	sandstone, conglomerate	boulder, outcrop	<10	A	E	2,400	2	1, 2	2	low	48	0	-		115,480
TE111	gentle	ridge crest	>50	2	4	sandstone	scarp, outcrop	10-50	A	E	2,100	20	1, 2	5	low	105	0	-		87,307
TE112	moderate	scarp	<50	2	4	sandstone	scarp	10-50	A	E	1,200	20	1, 2	5	low	60	0	-		75,971
TE113	moderate	scarp	>50	2	4	sandstone	scarp, boulder	10-50	A	E	400	5	1, 2	5	low	20	0	-		34,041
TE114	moderate	drainage depression	<50	2	2, 4	sandstone	outcrop	10-50	A	E	900	20	1, 2, 3	5	low	45	0	-		45,755
TE115	moderate	simple slope	>50	2	4	sandstone, conglomerate	boulder, outcrop	<10	A	E	2,800	2	1, 2	2	low	56	0	-		19,232
TE116	moderate	drainage depression	<50	2	2, 4	sandstone	boulder, outcrop	10-50	A	E	4,500	20	1, 2, 3	5	low	225	0	-		52,813

**TASMAN EXTENSION - ARCHAEOLOGICAL SURVEY COVERAGE DATABASE**

Survey Area Number	Slope	Landform Element	Distance to Water (metres)	Vegetation	Land Surface	Rock Outcrop Material	Rock Outcrop Form	Extent of Rock Outcrop (%)	Exposure Type (Horizon)	Erosion/Deposition	Total Sample Area (m <sup>2</sup> )	Surface Visibility (%)	Detection Limiting Factors	Archaeological Visibility %	Ground Disturbance	Effective Survey Coverage (m <sup>2</sup> )	# of Artefacts (open sites)	Artefact Density/m <sup>2</sup> of Effective Survey Coverage	Comments	Survey Unit Area (m <sup>2</sup> )
TE117	gentle	simple slope	>50	2	4	sandstone	boulder	<10	A	E	2,500	2	1, 2	2	low	50	0	-		34,750
TE118	steep	drainage depression	<50	2	2, 3, 4	sandstone	boulder, outcrop	10-50	A	E	7,000	2	1, 2	2	low	140	0	-		58,390
TE119	moderate	drainage depression	<50	2	2, 4	sandstone, conglomerate	boulder, outcrop	10-50	A	E	800	2	1, 2	2	low	16	0	-		7,641
TE120	moderate	simple slope	>50	2	4	sandstone	boulder	<10	A	E	4,800	2	1, 2	2	low	96	0	-		172,437
TE121	gentle	ridge crest	>50	2	4	sandstone	boulder	<10	A	E	3,400	2	1, 2	2	low	68	0	-		27,391
TE122	moderate	simple slope	>50	2	4	sandstone, conglomerate	boulder	<10	A	E	4,800	2	1, 2	2	low	96	0	-		19,168
TE123	level - very gentle	drainage depression	<50	2	3				A	E	1,200	40	1, 2	10	low	120	0	-		53,209
TE124	level - very gentle	flat	<50	1	4, 5				A	E	3,200	60	1, 2	10	low	320	6	0.019		15,255
TE125	gentle	drainage depression	<50	1	4, 5				A	E	800	70	1, 2, 3	20	mod	160	0	-		4,304
TE126	level - very gentle	flat	<50	1	4, 5				A	E	8,000	40	1, 2	15	mod	1200	9	0.008		42,955
TE127	moderate	simple slope	<50	2	4	sandstone	boulder	<10	A	E	1,600	2	1, 2	2	low	32	0	-		66,049
TE128	moderate	drainage depression	<50	2	2, 4	sandstone	boulder, outcrop	10-50	A	E	4,000	2	1, 2	2	low	80	0	-		52,667
TE129	steep	simple slope	>50	2	4	sandstone	boulder	<10	A	E	2,950	2	1, 2	2	low	59	0	-		122,498
TE130	gentle	spur crest	>50	2	4	sandstone	boulder	<10	A	E	1,620	70	1, 2, 3	20	mod	324	0	-	access track	14,179
TE131	moderate	simple slope	>50	2	4	sandstone	boulder	<10	A	E	4,800	2	1	2	low	96	0	-		54,170
TE132	moderate	ridge crest	>50	2	4	sandstone	boulder	<10	A	E	100	2	1, 2	2	low	2	0	-		8,392
TE133	moderate	ridge crest	>50	2	4, 5	sandstone	outcrop	<10	A	E	2,400	70	1, 2, 3	20	mod	480	0	-		22,770
TE134	gentle	simple slope	>50	2	4	sandstone	outcrop	<10	A	E	1,600	2	1, 2	2	low	80	0	-		34,441
TE135	level - very gentle	ridge crest	<50	1, 2	5				A	E	4,200	70	1, 2, 3	20	mod	840	22	0.026	access track	46,674
TE136	moderate	simple slope	>50	2	4	sandstone	boulder	<10	A	E	100	2	1, 2	2	low	2	0	-		98,499
TE137	gentle	drainage depression	<50	2	3, 4	sandstone	boulder, outcrop	10-50	A	E	1,200	10	1, 2, 3	1	low	12	0	-		34,704
TE138	level - very gentle	simple slope	<50	2	4	sandstone	outcrop	<10	A	E	920	10	1, 2	1	low	9	0	-		47,770
TE139	gentle	ridge crest	>50	2	4	sandstone	boulder, outcrop		A	E	2,400	30	1, 2	5	low	120	0	-		35,334
TE140	gentle	simple slope	<50	2	4	sandstone	boulder, outcrop	<10	A	E	50	5	1, 2	5	low	2	0	-		16,300
TE141	moderate	simple slope	>50	2	4	sandstone	boulder, outcrop	<10	A	E	100	5	1, 2	5	low	5	0	-		23,084
TE142	gentle	ridge crest	>50	2	4	sandstone	boulder	10-50	A	E	50	5	1, 2	5	low	2	0	-		7,661
TE143	moderate	simple slope	>50	2	4	sandstone	boulder, outcrop	<10	A	E	50	5	1, 2	5	low	2	0	-		5,650
TE144	gentle	ridge crest	>50	2	4	sandstone	boulder	10-50	A	E	800	30	1, 2	5	low	40	0	-		10,406
TE145	moderate	simple slope	<50	2	4	sandstone	boulder, outcrop	<10	A	E	400	20	1, 2	5	low	20	0	-		31,071
TE146	moderate	scarp	<50	2	4	sandstone	scarp, outcrop	10-50	A	E	500	5	1, 2	5	low	25	0	-		31,678
TE147	moderate	ridge crest	>50	2	4	sandstone	scarp, boulder	10-50	A	E	1,280	40	1, 2	5	low	64	0	-		12,227

**TASMAN EXTENSION - ARCHAEOLOGICAL SURVEY COVERAGE DATABASE**

Survey Area Number	Slope	Landform Element	Distance to Water (metres)	Vegetation	Land Surface	Rock Outcrop Material	Rock Outcrop Form	Extent of Rock Outcrop (%)	Exposure Type (Horizon)	Erosion/Deposition	Total Sample Area (m <sup>2</sup> )	Surface Visibility (%)	Detection Limiting Factors	Archaeological Visibility %	Ground Disturbance	Effective Survey Coverage (m <sup>2</sup> )	# of Artefacts (open sites)	Artefact Density/m <sup>2</sup> of Effective Survey Coverage	Comments	Survey Unit Area (m <sup>2</sup> )
TE148	moderate	simple slope	>50	2	4	sandstone	scarp		A	E	50	5	1, 2	5	low	2	0	-		227,830
TE149	moderate	drainage depression	>50	2	4	sandstone	scarp		A	E	2,800	30	1, 2	5	low	140	0	-		30,634
TE150	moderate	simple slope	>50	2	4	sandstone	scarp		A	E	600	5	1, 2	5	low	30	0	-		70,126
TE151	moderate	scarp	<50	2	4	sandstone	scarp	<10	A	E	1,200	30	1, 2	5	low	60	0	-		28,492
TE152	moderate	simple slope	>50	2	4	sandstone, conglomerate	boulder, outcrop, rock shelter, overhang	10-50	A	E	2,800	2	1, 2	2	low	56	0	-	regrowth forest	8,849
TE153	gentle	simple slope	>50	2	4	sandstone, conglomerate	boulder		A	E	3,500	5	1, 2	5	low	175	1	0.006		39,437
TE154	moderate	ridge crest	>50	2	4, 5	sandstone, conglomerate	boulder	<10	A	E	1,400	5	1, 2	5	low	70	0	-		16,830
TE155	moderate	simple slope	>50	2	4	sandstone	scarp, outcrop	10-50	A	E	3,000	30	1, 2	10	low	300	0	-		78,003
TE156	gentle	drainage depression	<50	2	4	sandstone	boulder, outcrop	10-50	A	E	1,200	40	1, 2, 3	10	low	120	0	-		7,731
TE157	level - very gentle	ridge crest	>50	1	4, 5	sandstone	outcrop	<10	A	E	2,400	80	1, 2, 3	10	mod	240	43	0.180	access track	25,335
TE158	moderate	ridge crest	>50	2	4	sandstone	scarp, outcrop	10-50	B	E	1,800	70	1, 2	10	low	180	0	-		8,535
TE159	steep	scarp	<50	2	4	sandstone	scarp, outcrop	10-50	A	E	50	5	1, 2	5	low	2	0	-		42,913
TE160	moderate	ridge crest	>50	2	4	sandstone	scarp, outcrop	10-50	A	E	1,800	40	1, 2	10	low	180	0	-		25,753
TE161	moderate	drainage depression	<50	2	2, 4	sandstone	boulder, outcrop	10-50	A	E	3,600	20	1, 2, 3	5	low	180	0	-		57,397
TE162	moderate	scarp	<50	2	4	sandstone	scarp, outcrop	10-50	A	E	1,200	20	1, 2	5	low	60	0	-		162,704
TE163	moderate	drainage depression	<50	2	2, 3, 4	sandstone	boulder, outcrop	10-50	A	E	2,500	2	1, 2	2	low	50	0	-		59,823
TE164	moderate	scarp	<50	2	4	sandstone	scarp, boulder	10-50	A	E	100	5	1, 2	5	low	5	0	-		31,683
TE165	moderate	drainage depression	<50	2	2, 4	sandstone	boulder, outcrop	10-50	A	E	2,100	20	1, 2, 3	5	low	105	0	-		18,456
TE166	moderate	scarp	<50	2	4	sandstone	scarp, boulder	10-50	A	E	1,200	20	1, 2	5	low	60	0	-		48,199
TE167	moderate	ridge crest	>50	2	4	sandstone	scarp, outcrop	10-50	A	E	800	40	1, 2, 3	10	low	80	0	-		20,323
TE168	steep	scarp	>50	2	4	sandstone	scarp, outcrop	10-50	A	E	720	5	1, 2	5	low	36	0	-		57,298
TE169	moderate	simple slope	>50	2	4	sandstone, conglomerate	boulder, outcrop	10-50	A	E	50	2	1, 2	2	low	1	0	-		11,364
TE170	moderate	simple slope	>50	2	4	sandstone	scarp, outcrop	10-50	A	E	50	5	1, 2	5	low	3	0	-		19,024
TE171	gentle	ridge crest	<50	2	4	sandstone	outcrop	10-50	A	E	2,400	20	1, 2	5	low	120	0	-		20,794
TE172	gentle	ridge crest	<50	2	4	sandstone	outcrop	10-50	A	E	1,500	20	1, 2	5	low	75	0	-		84,578
TE173	gentle	ridge crest	>50	2	4	sandstone	boulder, outcrop	<10	A	E	1,600	2	1, 2	2	low	32	0	-		13,509
TE174	moderate	simple slope	<50	2	4	sandstone, conglomerate	boulder	<10	A	E	4,000	2	1, 2	2	low	80	0	-		87,104
TE175	moderate	simple slope	<50	2	4	sandstone, conglomerate	boulder	<10	A	E	1,000	2	1, 2	2	low	20	0	-		15,820

# TASMAN EXTENSION - ARCHAEOLOGICAL SURVEY COVERAGE DATABASE

Survey Area Number	Slope	Landform Element	Distance to Water (metres)	Vegetation	Land Surface	Rock Outcrop Material	Rock Outcrop Form	Extent of Rock Outcrop (%)	Exposure Type (Horizon)	Erosion/Deposition	Total Sample Area (m <sup>2</sup> )	Surface Visibility (%)	Detection Limiting Factors	Archaeological Visibility %	Ground Disturbance	Effective Survey Coverage (m <sup>2</sup> )	# of Artefacts (open sites)	Artefact Density/m <sup>2</sup> of Effective Survey Coverage	Comments	Survey Unit Area (m <sup>2</sup> )
TE176	moderate	drainage depression	<50	2	2, 4	sandstone, conglomerate	boulder, outcrop	10-50	A	E	1,680	2	1, 2	2	low	34	0	-		24,271
TE177	steep	simple slope	>50	2	4	sandstone	scarp, outcrop	10-50	A	E	100	5	1, 2	5	low	5	0	-		19,039
TE178	moderate	simple slope	>50	2	4	sandstone, conglomerate	boulder, outcrop	10-50	A	E	120	2	1, 2	2	low	2	0	-		11,368
TE179	steep	drainage depression	>50	2	4	sandstone	boulder, outcrop	10-50	A	E	100	2	1, 2	2	low	2	0	-		18,136
TE180	moderate	simple slope	>50	2	4	sandstone, conglomerate	boulder, outcrop	10-50	A	E	3,300	2	1, 2	2	low	66	0	-		49,475
TE181	gentle	ridge crest	>50	1	4, 5	sandstone	outcrop	<10	A	E	5,100	70	1, 2, 3	30	mod	1530	9	0.006	transmission line easment	51,636
TE182	moderate	simple slope	>50	2	4, 5	sandstone, conglomerate	open surface, boulder		A	E	6,000	5	1, 2	5	low	300	2	0.007		70,082
TE183	moderate	simple slope	>50	2	4	sandstone	boulder	<10	A	E	3,200	5	1, 2	5	low	160	0	-	two access tracks	50,287
TE184	level-very gentle	ridge crest	>50	2	4	sandstone	boulder	<10	A	E	800	2	1, 2	2	mod	16	0	-	telecommunications tower	2,703
TE185	gentle	ridge crest	<50	1, 2	4, 5	sandstone	outcrop	<10	A	E	3,600	90	1, 2, 3	30	mod	1080	0	-	access track	29,317
TE186	level - very gentle	ridge crest	>50	1, 2	4, 5	sandstone	outcrop	<10	A	E	1,260	90	1, 2, 3	30	mod	378	0	-	access track	6,965
TE187	moderate	simple slope	>50	2	4	sandstone, conglomerate	boulder, outcrop	<10	A	E	6,600	2	1, 2	2	low	132	0	-		193,486
TE188	moderate	simple slope	>50	2	4	sandstone	scarp, boulder, outcrop	10-50	A	E	2,100	60	1, 2	20	low	420	2	0.005		12,988
TE189	steep	simple slope	>50	1, 2	4, 5	sandstone	boulder	<10	A	E	400	2	1, 2	2	low	8	0	-		161,111
TE190	moderate	simple slope	>50	2	4	sandstone	boulder	<10	A	E	200	2	1, 2	2	low	4	0	-		17,611
TE191	steep	drainage depression	<50	2	4	sandstone	boulder, outcrop	10-50	A	E	1,400	2	1, 2	2	low	28	0	-		17,309
TE192	moderate	spur crest	>50	2	4	sandstone	boulder	<10	A	E	200	2	1, 2	2	low	4	0	-		1,685
TE193	moderate	simple slope	<50	2	4	sandstone	boulder	<10	A	E	400	2	1, 2	2	low	8	0	-		15,575
TE194	moderate	drainage depression	<50	2	2	sandstone	boulder, outcrop	10-50	A	E	400	2	1, 2	2	low	8	0	-		4,647
TE195	steep	simple slope	<50	2	4	sandstone	boulder	<10	A	E	120	2	1, 2	2	low	2	0	-		840
TE196	moderate	drainage depression	<50	2	2	sandstone	boulder, outcrop	10-50	A	E	400	2	1, 2	2	low	8	0	-		5,829
TE197	moderate	ridge crest	>50	1, 2	4, 5	sandstone	boulder, outcrop	10-50	A	E	10	2	1, 2	2	low-mod	1	0	-		1,676
TE198	moderate	simple slope	<50	2	4	sandstone	boulder	<10	A	E	10	2	1, 2	2	low	1	0	-		2,585
TE199	moderate	ridge crest	>50	1, 2	4, 5	sandstone	boulder, outcrop	10-50	A	E	1,400	2	1, 2	2	high	28	3	0.107	access track	20,503
TE200	moderate	ridge crest	>50	1, 2	4, 5	sandstone	boulder, outcrop	10-50	A	E	1800	2	1, 2	2	mod	36	0	-		9,070
TE201	moderate	drainage depression	<50	2	2	sandstone	boulder, outcrop	10-50	A	E	400	2	1, 2	2	low	8	0	-		5,561
TE202	moderate	drainage depression	<50	2	2	sandstone	boulder, outcrop, rock shelter	10-50	A	E	400	2	1, 2	2	low	8	0	-		5,814
TE203	steep	simple slope	>50	1, 2	4, 5	sandstone	boulder	10-50	A	E	1,500	2	1, 2	2	low	30	0	-		21,723

**TASMAN EXTENSION - ARCHAEOLOGICAL SURVEY COVERAGE DATABASE**

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TE204	moderate	simple slope	<50	2	4	sandstone	boulder	10-50	A	E	1,800	2	1, 2	2	low	36	0	-		13,222
TE205	steep	drainage depression	<50	2	2, 4	sandstone	boulder, outcrop	10-50	A	E	900	2	1, 2	2	low	18	0	-		10,331
TE206	steep	simple slope	>50	2	4	sandstone	boulder	<10	A	E	900	2	1, 2	2	low	18	0	-		138,683
TE207	steep	drainage depression	<50	2	2, 3, 4	sandstone	boulder, outcrop	10-50	A	E	800	2	1, 2	2	low	16	0	-		10,560
TE208	moderate	drainage depression	<50	2	3, 4	sandstone	boulder, outcrop	10-50	A	E	3,600	5	1, 2	5	low	180	0	-		28,965
TE209	moderate	drainage depression	<50	2	2	sandstone, conglomerate	boulder, outcrop	10-50	A	E	1,680	2	1, 2	2	low	34	0	-		28,412

## **APPENDIX 4.**

### **ABORIGINAL HERITAGE SITE DATA<sup>1</sup>**

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<sup>1</sup> For newly identified sites recording during the present survey, and re-recordings of several previously reported sites. Includes several sites immediately adjacent to the investigation area. Refer to Appendix 2 for OEH site records for all previously recorded sites (including several that could not be relocated within the investigation area).

Site Name	Survey Area	OEH AHIMS #	Site Type / Features	MGA Grid Reference Eastings	MGA Grid Reference Northings	Landform Type	Comments
Mt Sugarloaf (38-4-0440)	86	38-4-0440	Open grinding groove	362862	6359147	drainage depression	Originally recorded by Bluff, 1997. Grid references updated here.
Mt Sugarloaf (38-4-0443)	85	38-4-0443	Open grinding groove	363025	6359489	simple slope	Originally recorded by Bluff, 1997. Not relocated during current survey. Grid reference accuracy uncertain, possibly 35 metres west of reported location.
Mt Sugarloaf (38-4-0444)	86	38-4-0444	Open grinding groove	363006	6359236	drainage depression	Originally recorded by Bluff, 1997. Grid references updated here.
Mt Sugarloaf (38-4-0445)	86	38-4-0445	Open grinding groove	362899	6359189	drainage depression	Originally recorded by Bluff, 1997. Grid references updated here.
Mt Sugarloaf (38-4-0446)	92	38-4-0446	Open grinding groove	362720	6359160	drainage depression	Originally recorded by Bluff, 1997. Grid references updated here.
Mt Sugarloaf (38-4-0447)	92	38-4-0447	Open grinding groove	362609	6359202	drainage depression	Originally recorded by Bluff, 1997. Grid references updated here.
Mt Sugarloaf (38-4-0448)	86	38-4-0448	Open grinding groove	362849	6359087	drainage depression	Originally recorded by Bluff, 1997. Grid references updated here.
Mt Sugarloaf (38-4-0449)	86	38-4-0449	Open grinding groove	362888	6359078	drainage depression	Originally recorded by Bluff, 1997. Grid references updated here.
Mt Sugarloaf (38-4-0450)	188	38-4-0450	Open grinding groove	362305	6358089	simple slope	Originally recorded by Bluff, 1997. Not relocated during current survey. Grid reference accuracy uncertain, may be located at least 200 metres south-east of this grid reference.
Heaton State Forest (38-4-0457)	108	38-4-0457	Open grinding groove	361445	6357899	drainage depression	Originally recorded by Bluff, 1997. Not relocated during current survey. Grid reference accuracy uncertain.
Heaton State Forest (38-4-0486)	86	38-4-0486	Open grinding groove	362977	6359383	drainage depression	Originally recorded by Bluff, 1998. Grid references updated here.
Heaton State Forest (38-4-0487)	86	38-4-0487	Open grinding groove	362975	6359459	drainage depression	Originally recorded by Bluff, 1998. Not relocated during current survey. Grid reference accuracy uncertain.
Heaton State Forest (38-4-0488)	86	38-4-0488	Open grinding groove	362985	6359406	drainage depression	Originally recorded by Bluff, 1998. Grid references updated here.
Sugarloaf Range 1 (38-4-0610)	155	38-4-0610	Open grinding groove	360803	6357686	simple slope	Originally recorded by Bluff, 2000. Grid references updated here. Site type 'grinding grooves' not 'artefacts' as reported on AHIMS.
Mt Sugarloaf (38-4-0618)	-	38-4-0618	Open grinding groove	360765	6359749	drainage depression	Originally recorded by Bluff, 2000. Not reinspected during present survey due to property access restrictions.
Mt Sugarloaf (38-4-0619)	-	38-4-0619	Open grinding groove	360655	6359629	drainage depression	Originally recorded by Bluff, 2000. Not reinspected during present survey due to property access restrictions.
Mt Sugarloaf (38-4-0623)	-	38-4-0623	Open grinding groove	360725	6359699	drainage depression	Originally recorded by Bluff, 2000. Not reinspected during present survey due to property access restrictions.
Mt Sugarloaf 2 (38-4-0624)	-	38-4-0624	Open grinding groove	360695	6359679	drainage depression	Originally recorded by Bluff, 2000. Not reinspected during present survey due to property access restrictions.



Site Name	Survey Area	OEI AHIMS #	Site Type / Features	MGA Grid Reference Eastings	MGA Grid Reference Northings	Landform Type	Comments
Heaton SF (38-4-0869)	-	38-4-0869	Open grinding groove	361143	6357474	drainage depression	Originally recorded by Bluff, 2000. Grid references updated here.
Wallis Creek 1 (38-4-0975)	-	38-4-0975	Open artefact site	362729	6361454	simple slope	Originally recorded by Davies of ERM, 2004. Not reinspected during present survey as outside investigation area by 35 metres.
Tasman Extension 1/A	1	38-4-1386	Open artefact site	363395	6363025	simple slope	
Tasman Extension 1/B	1	38-4-1387	Open artefact site	363529	6362864	simple slope	
Tasman Extension 10/A	10	38-4-1388	Open artefact site	363472	6362509	drainage depression	
Tasman Extension 29/A	29		Open artefact site	363324	6361824	simple slope	
Tasman Extension 32/A	32	38-4-1390	Open grinding groove	363165	6361691	drainage depression	
Tasman Extension 34/A	34	38-4-1391	Open artefact site	362916	6361861	simple slope	
Tasman Extension 39/A	39	38-4-1392	Rockshelter with PAD	363211	6361246	drainage depression	
Tasman Extension 41/A	41	38-4-1393	Open grinding groove	363034	6361176	simple slope	
Tasman Extension 45/A	45	38-4-1394	Open grinding groove	363308	6360957	drainage depression	
Tasman Extension 46/A	-	38-4-1395	Rockshelter with PAD	363366	6360845	simple slope	
Tasman Extension 46/B	-	38-4-1396	Rockshelter with PAD	363372	6360844	simple slope	
Tasman Extension 46/C	-	38-4-1397	Rockshelter with PAD	363377	6360851	simple slope	
Tasman Extension 46/D	-	38-4-1398	Rockshelter with PAD	363405	6360851	simple slope	
Tasman Extension 50/A	50	38-4-1399	Open artefact site	362415	6361701	simple slope	
Tasman Extension 51/A	51	38-4-1400	Open artefact site	361975	6361038	flat	
Tasman Extension 53/A	53	38-4-1401	Open artefact site	361260	6360803	simple slope	
Tasman Extension 53/B	53	38-4-1402	Open artefact site	361402	6360782	simple slope	
Tasman Extension 56/A	56	38-4-1403	Open artefact site	361918	6360705	simple slope	
Tasman Extension 56/B	56	38-4-1404	Open artefact site	361596	6360752	simple slope	
Tasman Extension 57/A	57	38-4-1405	Open grinding groove	362663	6360550	drainage depression	
Tasman Extension 57/B	57	38-4-1406	Open grinding groove	362562	6360628	drainage depression	
Tasman Extension 64/A	64	38-4-1407	Rockshelter with PAD	363105	6360333	simple slope	
Tasman Extension 64/B	64	38-4-1408	Rockshelter with PAD	362860	6360279	simple slope	
Tasman Extension 64/C	64		Rockshelter with PAD	363245	6360677	simple slope	
Tasman Extension 64/D	64	38-4-1410	Rockshelter with PAD	363212	6360571	simple slope	
Tasman Extension 67/A	67	38-4-1411	Open grinding groove	362331	6359973	drainage depression	
Tasman Extension 67/B	67	38-4-1412	Open grinding groove	362303	6360063	drainage depression	
Tasman Extension 71/A	71	38-4-1413	Open grinding groove	362133	6359830	drainage depression	
Tasman Extension 77/A	77	38-4-1414	Rockshelter with PAD	362524	6359657	simple slope	
Tasman Extension 77/B	77	38-4-1415	Rockshelter with PAD	362593	6359662	simple slope	
Tasman Extension 77/C	77	38-4-1416	Rockshelter with PAD	362667	6359764	simple slope	
Tasman Extension 79/A	79	38-4-1417	Open grinding groove	362675	6359376	simple slope	
Tasman Extension 79/B	79	38-4-1418	Open artefact site	362685	6359382	simple slope	
Tasman Extension 79/C	79	38-4-1419	Rockshelter with PAD	362683	6359343	simple slope	
Tasman Extension 79/D	79	38-4-1420	Rockshelter with PAD	362667	6359361	simple slope	
Tasman Extension 80/A	80	38-4-1421	Open artefact site	363024	6359742	simple slope	
Tasman Extension 80/B	-	38-4-1422	Open artefact site	363236	6359651	simple slope	
Tasman Extension 80/C	-	38-4-1423	Open artefact site	363516	6359765	simple slope	
Tasman Extension 84/A	84	38-4-1424	Open artefact site	363374	6359433	ridge crest	
Tasman Extension 85/A	-	38-4-1425	Open artefact site	363360	6358775	simple slope	
Tasman Extension 86/A	86	38-4-1426	Open grinding groove	362980	6359311	drainage depression	
Tasman Extension 86/B	86	38-4-1427	Open grinding groove	362961	6359249	drainage depression	
Tasman Extension 86/C	86	38-4-1428	Open grinding groove	363189	6359216	drainage depression	

Site Name	Survey Area	OEI AHIMS #	Site Type / Features	MGA Grid Reference Eastings	MGA Grid Reference Northings	Landform Type	Comments
Tasman Extension 86/D	86	38-4-1429	Open grinding groove	362937	6359054	drainage depression	
Tasman Extension 88/A	88	38-4-1430	Open grinding groove	362244	6359305	drainage depression	
Tasman Extension 92/A	92	38-4-1431	Open grinding groove and open artefact site	362665	6359180	drainage depression	
Tasman Extension 92/B	92	38-4-1432	Rockshelter with PAD	362807	6359130	drainage depression	
Tasman Extension 96/A	96	38-4-1433	Rockshelter with PAD	362329	6358806	simple slope	
Tasman Extension 96/B	96	38-4-1434	Rockshelter with PAD	362303	6358796	simple slope	
Tasman Extension 96/C	96	38-4-1435	Rockshelter with PAD	362287	6358743	simple slope	
Tasman Extension 104/A	104	38-4-1436	Rockshelter with PAD	362151	6358448	simple slope	
Tasman Extension 104/B	104	38-4-1437	Rockshelter with PAD	362176	6358488	simple slope	
Tasman Extension 104/C	104	38-4-1438	Rockshelter with PAD	362209	6358690	simple slope	
Tasman Extension 107/A	107	38-4-1439	Open artefact site	361718	6358921	simple slope	
Tasman Extension 124/A	124	38-4-1440	Open artefact site	361285	6359435	flat	
Tasman Extension 126/A	126	38-4-1441	Open artefact site	360959	6359845	flat	
Tasman Extension 126/B	126	38-4-1442	Open artefact site	361114	6359646	flat	
Tasman Extension 126/C	126	38-4-1443	Open artefact site	361192	6359529	flat	
Tasman Extension 135/A	135	38-4-1444	Open artefact site	360148	6358428	ridge crest	
Tasman Extension 135/B	135	38-4-1445	Open artefact site	360208	6358669	ridge crest	
Tasman Extension 135/C	135	38-4-1446	Open artefact site	360203	6358757	ridge crest	
Tasman Extension 135/D	135	38-4-1447	Open artefact site	360205	6358813	ridge crest	
Tasman Extension 152/A	-	38-4-1448	Rockshelter with PAD	360554	6357465	simple slope	
Tasman Extension 152/B	-	38-4-1449	Rockshelter with PAD	360521	6357421	simple slope	
Tasman Extension 153/A	153	38-4-1450	Open artefact site	360621	6357539	simple slope	
Tasman Extension 154/A	-	38-4-1451	Open grinding groove	360995	6357422	drainage depression	
Tasman Extension 154/B	-	38-4-1452	Open artefact site	361022	6357171	ridge crest	
Tasman Extension 154/C	-	38-4-1453	Open artefact site	360826	6357349	ridge crest	
Tasman Extension 155/A	-	38-4-1454	Rockshelter with PAD	361172	6357492	simple slope	
Tasman Extension 157/A	157	38-4-1455	Open artefact site	360581	6357706	ridge crest	
Tasman Extension 176/A	176	38-4-1456	Open grinding groove	361700	6358302	drainage depression	
Tasman Extension 178/A	-	38-4-1457	Rockshelter with PAD	361377	6357423	simple slope	
Tasman Extension 181/A	181	38-4-1458	Open artefact site	362283	6358198	ridge crest	
Tasman Extension 181/B	181	38-4-1459	Open artefact site	362054	6357857	ridge crest	
Tasman Extension 181/C	181	38-4-1460	Open artefact site	362116	6357951	ridge crest	
Tasman Extension 182/A	182	38-4-1461	Open artefact site	362265	6358449	simple slope	
Tasman Extension 182/B	182	38-4-1462	Open artefact site	362203	6358308	simple slope	
Tasman Extension 188/A	188	38-4-1463	Open artefact site	362394	6358025	simple slope	
Tasman Extension 199/A	199	38-4-1464	Open artefact site	362577	6357734	ridge crest	
Tasman Extension 200/A	200	38-4-1465	Rockshelter with PAD	362476	6357815	ridge crest	

## SITE NAME: MT SUGARLOAF (#38-4-0440)

Site Type: *Open grinding groove*      MGA Grid Reference: *362862:6359147*  
Date Recorded: *19/9/11*      Topographic Map: *Wallsend 9232-3S*  
Recorder: *Stephen Free*

Landform Element: *Drainage depression*      Vegetation: *Forest*  
Slope: *Moderate*      Ground Disturbance: *Low*  
Distance to Water: *<50*

### Loci A - E:

Rock Type: *Sandstone*  
Rock Form: *Boulder, outcrop*  
Surface Condition: *Stable*  
Disturbance: *Low*  
Type of Disturbance: *Erosion*

### Locus A:

MGA Grid Reference: *362863:6359142*  
Extent of Exposed Rock: *5 x 4.5m*  
Extent of Grooves: *5 x 1m*

### Locus B:

MGA Grid Reference: *362862:6359147*  
Extent of Exposed Rock: *6 x 5m*  
Extent of Grooves: *5 x 4m*

### Locus C:

MGA Grid Reference: *362855:6359137*  
Extent of Exposed Rock: *15 x 3m*  
Extent of Grooves: *1 x 1m*

### Locus D:

MGA Grid Reference: *362840:6359131*  
Extent of Exposed Rock: *10 x 7m*  
Extent of Grooves: *6 x 2m*

### Locus E:

MGA Grid Reference: *362824:6359129*  
Extent of Exposed Rock: *10 x 8m*  
Extent of Grooves: *2 x 1m*

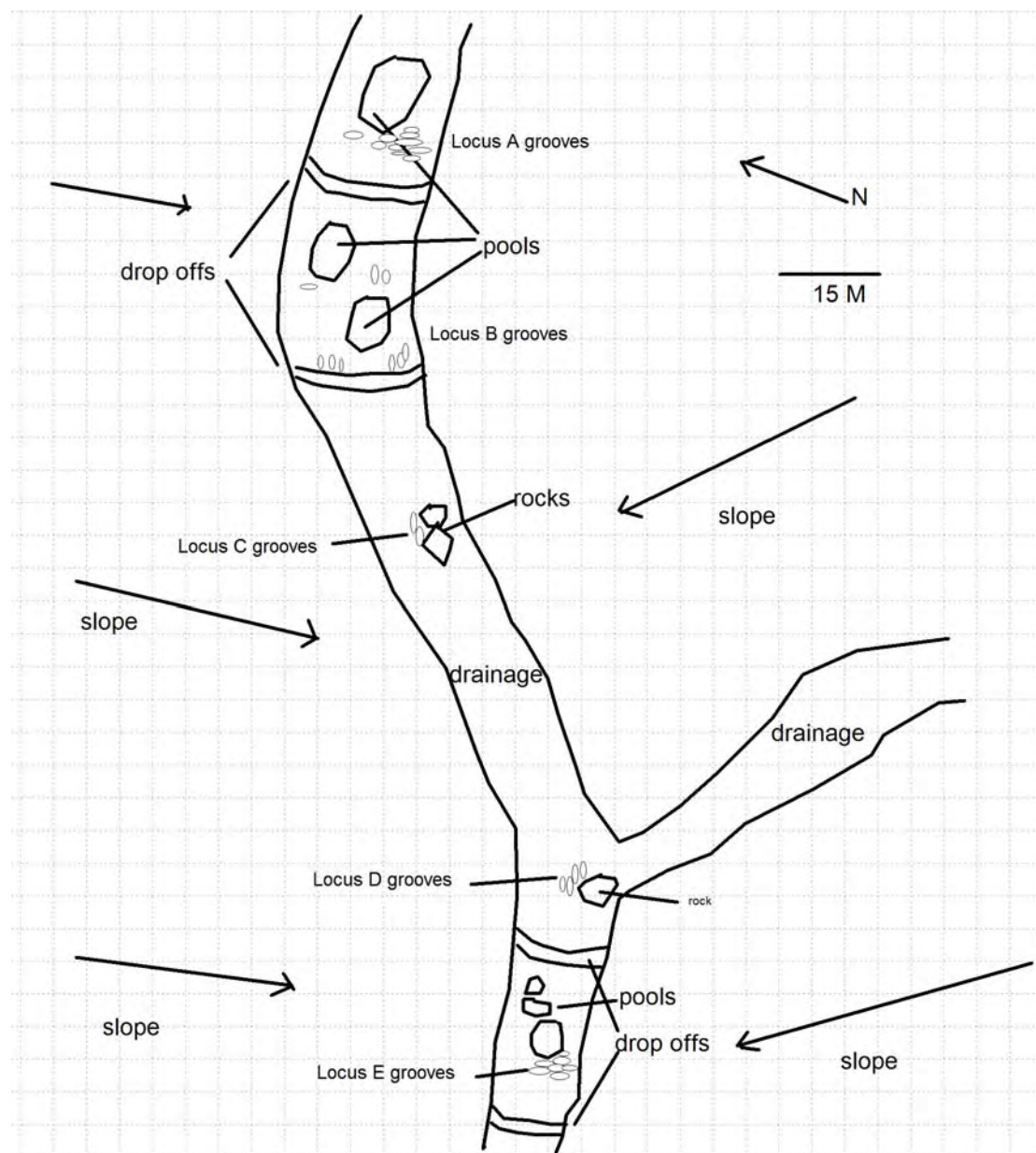
Groove description:

Groove #	Groove Length (mm)	Groove Width (mm)	Groove Depth (mm)	Comments
1	370	90	30	u-shaped; highly probable more grinding grooves beneath moss cover; Locus A
2	340	100	30	u-shaped
3	400	170	50	u-shaped
4	400	70	20	u-shaped
5	350	70	20	u-shaped
6	340	90	10	u-shaped
7	340	100	30	u-shaped
8	320	90	20	u-shaped
9	400	85	15	u-shaped
10	400	70	15	u-shaped
11	400	100	40	u-shaped
12	310	80	20	u-shaped
13	300	50	8	u-shaped
14	280	50	8	u-shaped
15	280	80	5	u-shaped
16	320	90	20	u-shaped
17	300	90	30	u-shaped
18	200	60	5	u-shaped
19	300	60	10	u-shaped; Locus B
20	300	80	15	u-shaped
21	280	80	20	u-shaped
22	300	70	5	u-shaped
23	330	60	5	u-shaped
24	380	80	20	u-shaped
25	300	90	25	u-shaped
26	130	60	10	u-shaped
27	280	70	20	u-shaped
28	240	80	10	u-shaped
29	240	65	10	u-shaped
30	300	100	15	u-shaped
31	380	70	10	u-shaped
32	280	50	8	u-shaped
33	280	60	10	u-shaped
34	350	90	22	u-shaped
35	280	70	10	u-shaped
36	320	70	16	u-shaped
37	260	70	10	u-shaped
38	260	70	15	u-shaped
39	440	70	10	u-shaped; Locus C
40	300	60	8	u-shaped
41	340	70	10	u-shaped
42	320	70	5	u-shaped
43	340	80	5	u-shaped
44	400	90	25	u-shaped
45	320	70	25	u-shaped
46	400	100	30	u-shaped
47	600	50	40	u-shaped; Locus D
48	410	60	30	u-shaped
49	370	50	8	u-shaped
50	300	100	40	u-shaped
51	270	90	30	u-shaped
52	300	90	55	u-shaped

Groove #	Groove Length (mm)	Groove Width (mm)	Groove Depth (mm)	Comments
53	300	90	40	u-shaped
54	300	70	35	u-shaped
55	310	60	60	u-shaped
56	300	70	20	u-shaped
57	300	70	5	u-shaped
58	300	70	7	u-shaped
59	240	60	5	u-shaped
60	300	60	15	u-shaped
61	400	90	40	u-shaped
62	360	80	25	u-shaped
63	450	100	40	u-shaped
64	240	60	10	u-shaped
65	300	60	20	u-shaped
66	360	80	30	u-shaped
67	300	90	20	u-shaped
68	340	100	40	u-shaped
69	330	80	50	u-shaped
70	330	90	35	u-shaped
71	360	70	12	u-shaped
72	300	70	8	u-shaped
73	330	70	15	u-shaped
74	340	80	25	u-shaped; Locus E
75	300	40	4	u-shaped
76	440	150	55	u-shaped
77	400	80	20	u-shaped
78	340	95	35	u-shaped
79	360	110	40	u-shaped
80	330	80	20	u-shaped
81	330	80	30	u-shaped
82	300	120	25	u-shaped
83	250	60	5	u-shaped
84	340	70	6	u-shaped
85	220	90	50	u-shaped
86	200	80	20	u-shaped
87	350	100	10	u-shaped
88	330	90	4	u-shaped
89	120	80	10	u-shaped
90	260	130	10	u-shaped
91	290	130	10	u-shaped
92	350	80	10	u-shaped

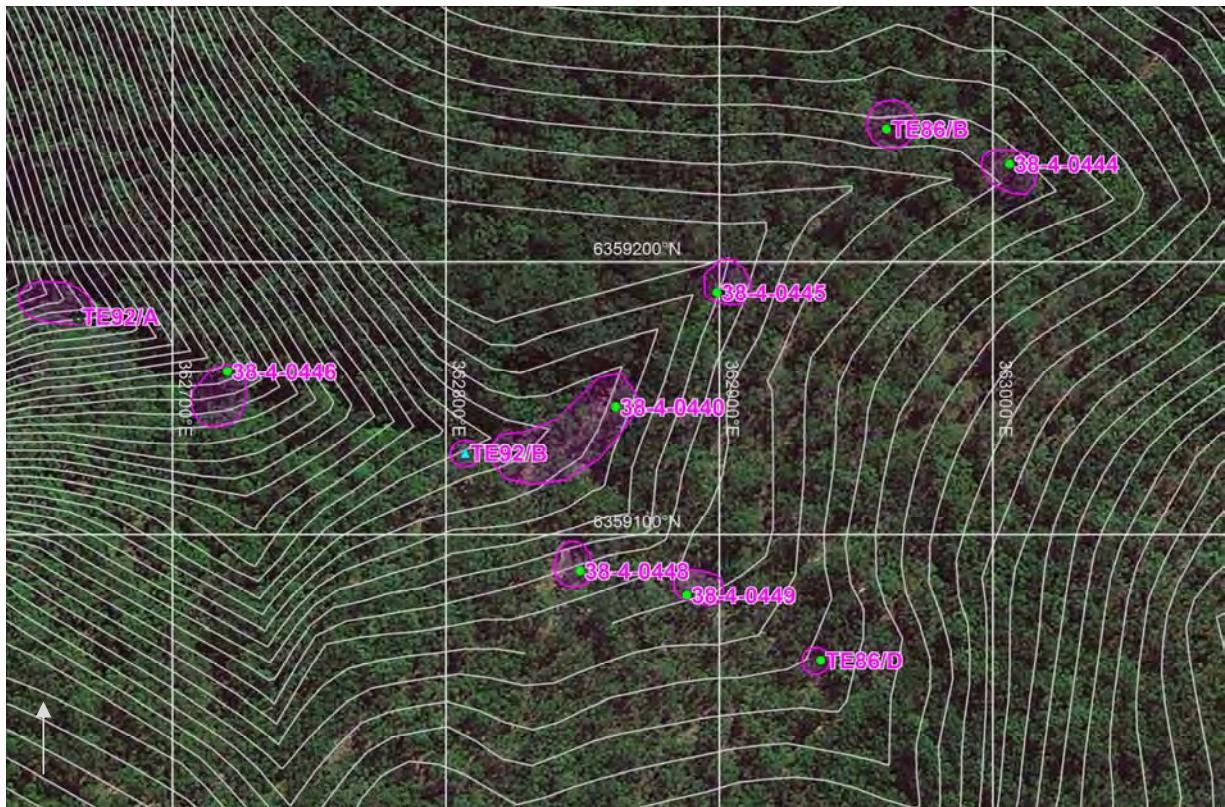
Additional Comments:

- ☐ Extensive grinding groove site extending along c60 metre section of drainage;
- ☐ Recorded in five sub-loci, A - E;
- ☐ Erosion caused by water overflow;
- ☐ Originally recorded by Bluff, 1997;
- ☐ Relocated in survey area TE86;
- ☐ Grid references updated here.
- ☐ Highly probable that more grooves are present under moss cover.





Site Location: #38-4-0440



Photograph: #38-4-0440













## SITE NAME: MT SUGARLOAF (#38-4-0444)

Site Type: *Open grinding groove*      MGA Grid Reference: *363006:6359236*  
 Date Recorded: *20/9/11*      Topographic Map: *Wallsend 9232-3S*  
 Recorder: *Stephen Free*

Landform Element: *Drainage depression*      Vegetation: *Forest*  
 Slope: *Moderate*      Ground Disturbance: *Low*  
 Distance to Water: *<50*

Extent of Exposed Rock: *15 x 3m*  
 Extent of Grooves: *5 x 3m*  
 Rock Type: *Sandstone*  
 Rock Form: *Boulder, outcrop*  
 Surface Condition: *Stable*  
 Disturbance: *Low*  
 Type of Disturbance: *Erosion, weathering*

### Groove description:

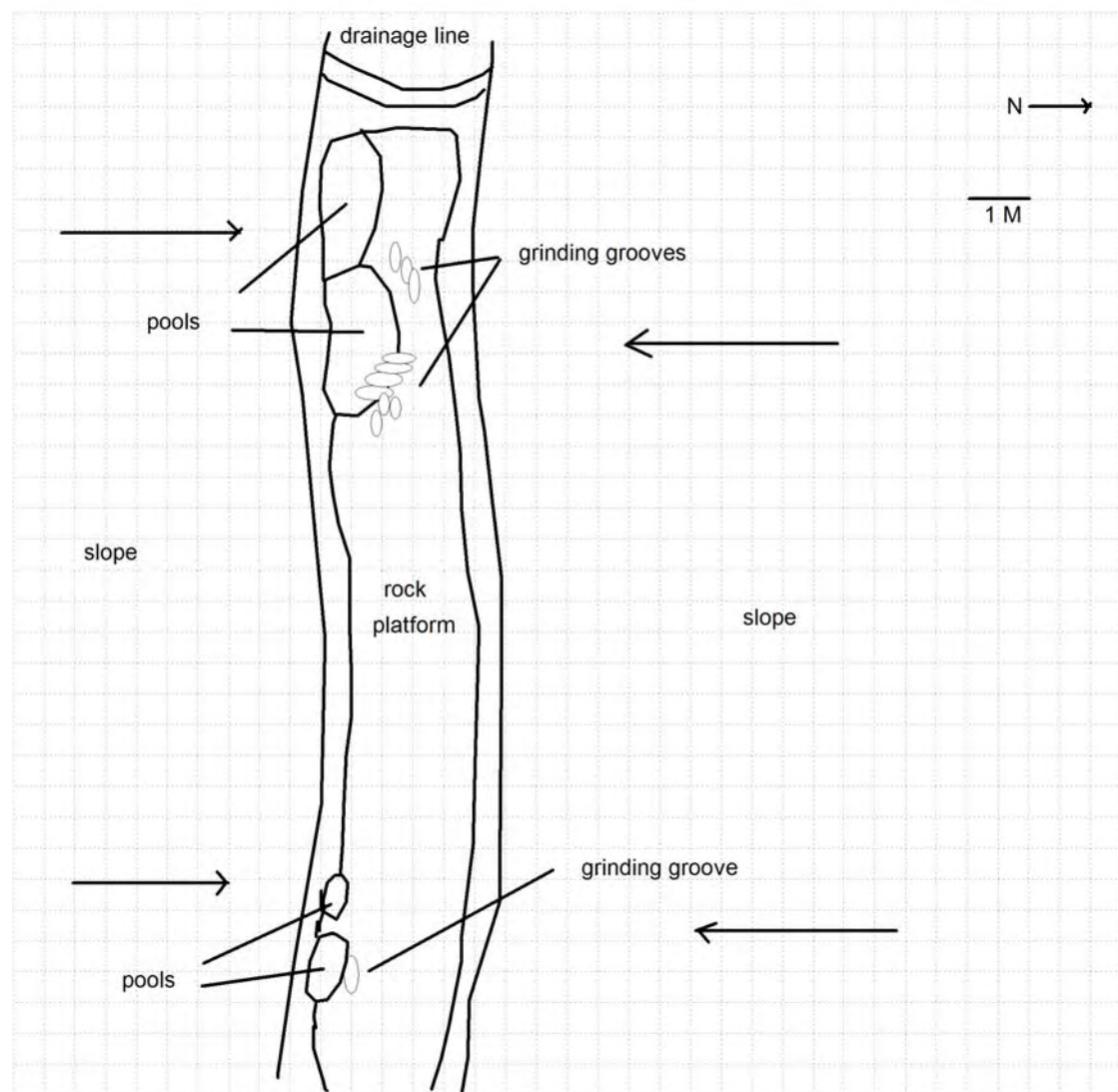
Groove #	Groove Length (mm)	Groove Width (mm)	Groove Depth (mm)	Comments
1	260	90	30	u-shaped
2	400	90	27	u-shaped
3	250	90	40	u-shaped
4	240	90	32	u-shaped
5	190	70	10	u-shaped
6	200	80	30	u-shaped
7	340	90	40	u-shaped
8	190	40	5	u-shaped
9	120	50	5	u-shaped
10	180	40	10	u-shaped
11	270	80	20	u-shaped
12	190	80	15	u-shaped
13	320	80	25	u-shaped
14	320	70	20	u-shaped
15	200	50	5	u-shaped
16	200	70	5	u-shaped
17	220	70	10	u-shaped

### Additional Comments:

- ☐ Erosion caused by water overflow;
- ☐ Originally recorded by Bluff, 1997;
- ☐ Relocated in survey area TE86;
- ☐ Grid references updated here.

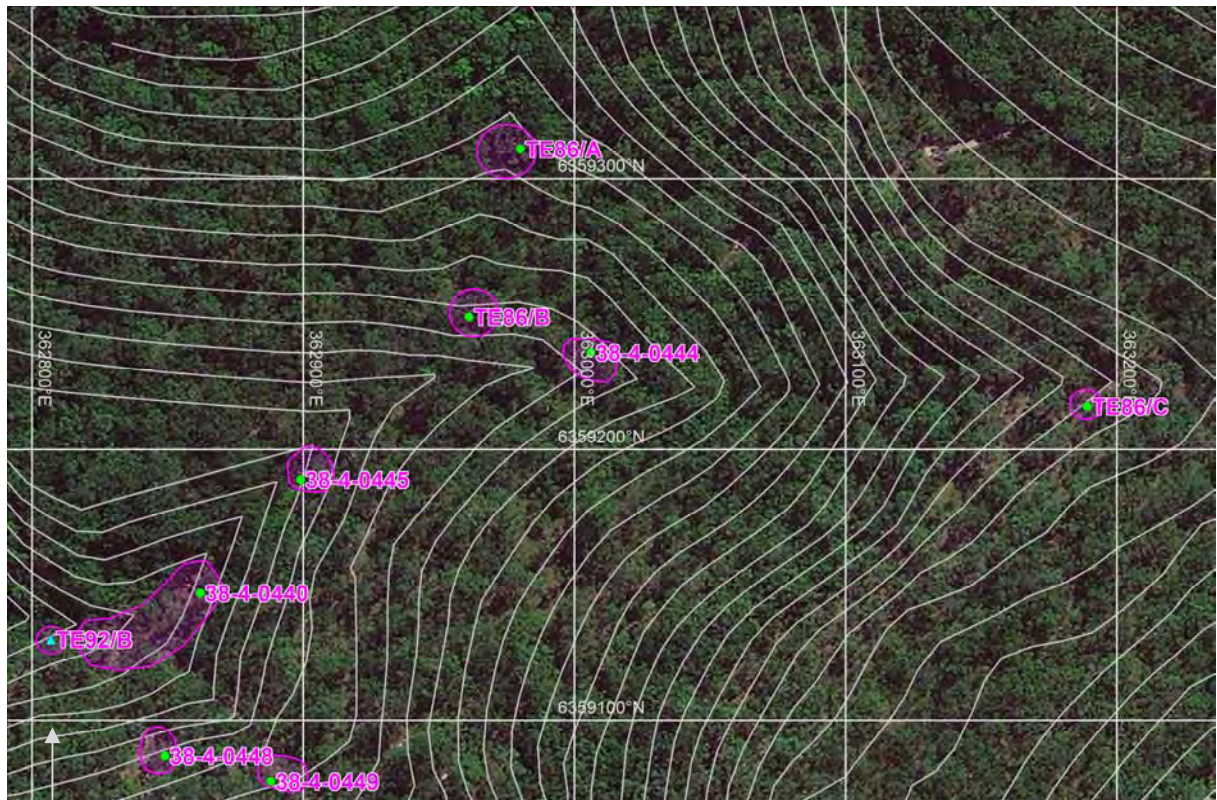


Site Plan: #38-4-0444





Site Location: #38-4-0444



Photograph: #38-4-0444 (inset - grooves)



## SITE NAME: MT SUGARLOAF (#38-4-0445)

Site Type: *Open grinding groove*      MGA Grid Reference: *362899:6359189*  
 Date Recorded: *19/9/11*      Topographic Map: *Wallsend 9232-3S*  
 Recorder: *Stephen Free*

Landform Element: *Drainage depression*      Vegetation: *Forest*  
 Slope: *Moderate*      Ground Disturbance: *Low*  
 Distance to Water: *<50*

Extent of Exposed Rock: *15 x 8m*  
 Extent of Grooves: *5 x 5m*  
 Rock Type: *Sandstone*  
 Rock Form: *Boulder, outcrop*  
 Surface Condition: *Stable*  
 Disturbance: *Low*  
 Type of Disturbance: *Erosion*

### Groove description:

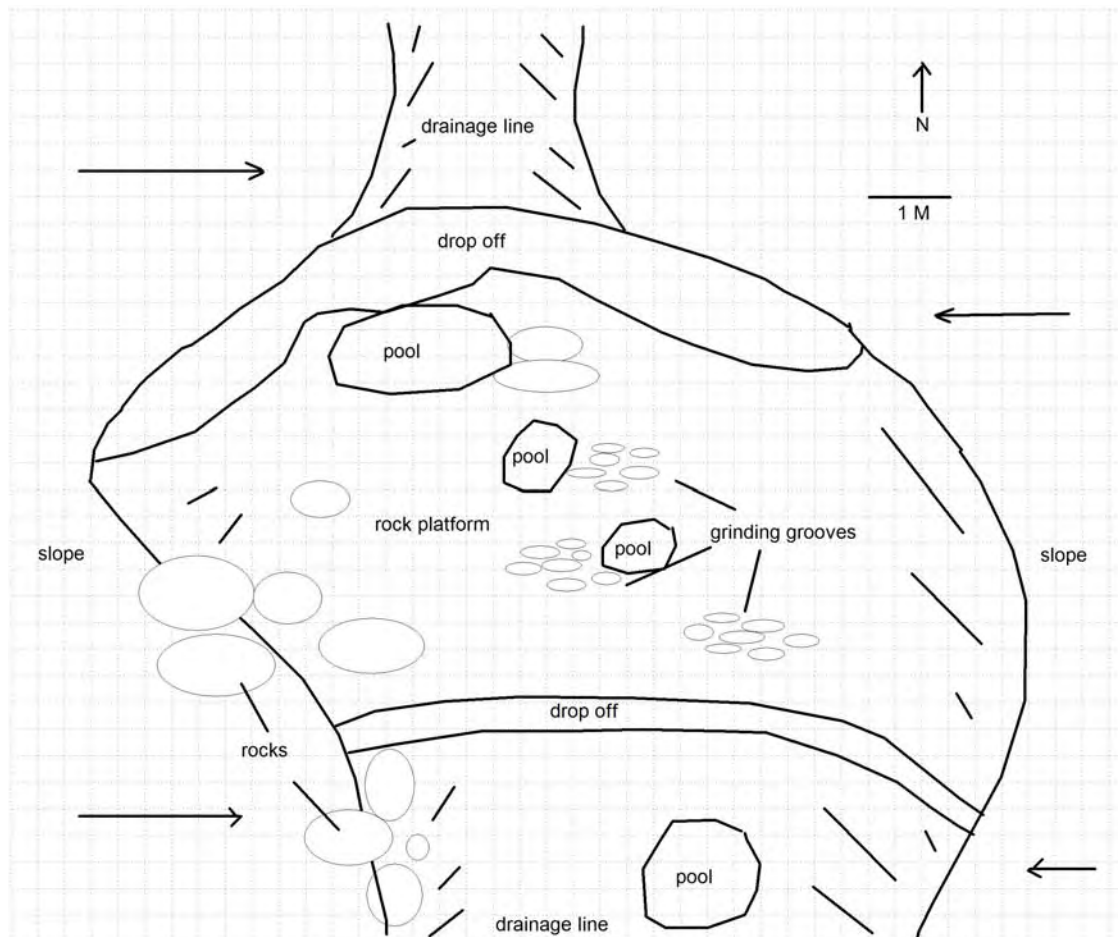
Groove #	Groove Length (mm)	Groove Width (mm)	Groove Depth (mm)	Comments
1	330	100	15	u-shaped
2	290	100	25	u-shaped
3	400	90	25	u-shaped
4	190	50	5	u-shaped
5	240	120	50	u-shaped
6	500	110	40	u-shaped
7	300	120	50	u-shaped
8	350	70	10	u-shaped
9	460	210	45	u-shaped
10	220	100	10	u-shaped
11	390	150	33	u-shaped
12	300	60	5	u-shaped
13	330	120	15	u-shaped
14	340	100	15	u-shaped
15	260	90	40	u-shaped
16	190	60	10	u-shaped
17	270	100	10	u-shaped
18	140	50	80	u-shaped
19	220	90	10	u-shaped
20	240	60	10	u-shaped
21	350	100	11	u-shaped
22	320	100	50	u-shaped
23	250	70	10	u-shaped
24	390	100	10	u-shaped
25	360	70	10	u-shaped
26	360	70	10	u-shaped
27	270	70	10	u-shaped
28	270	140	20	u-shaped



Additional Comments:

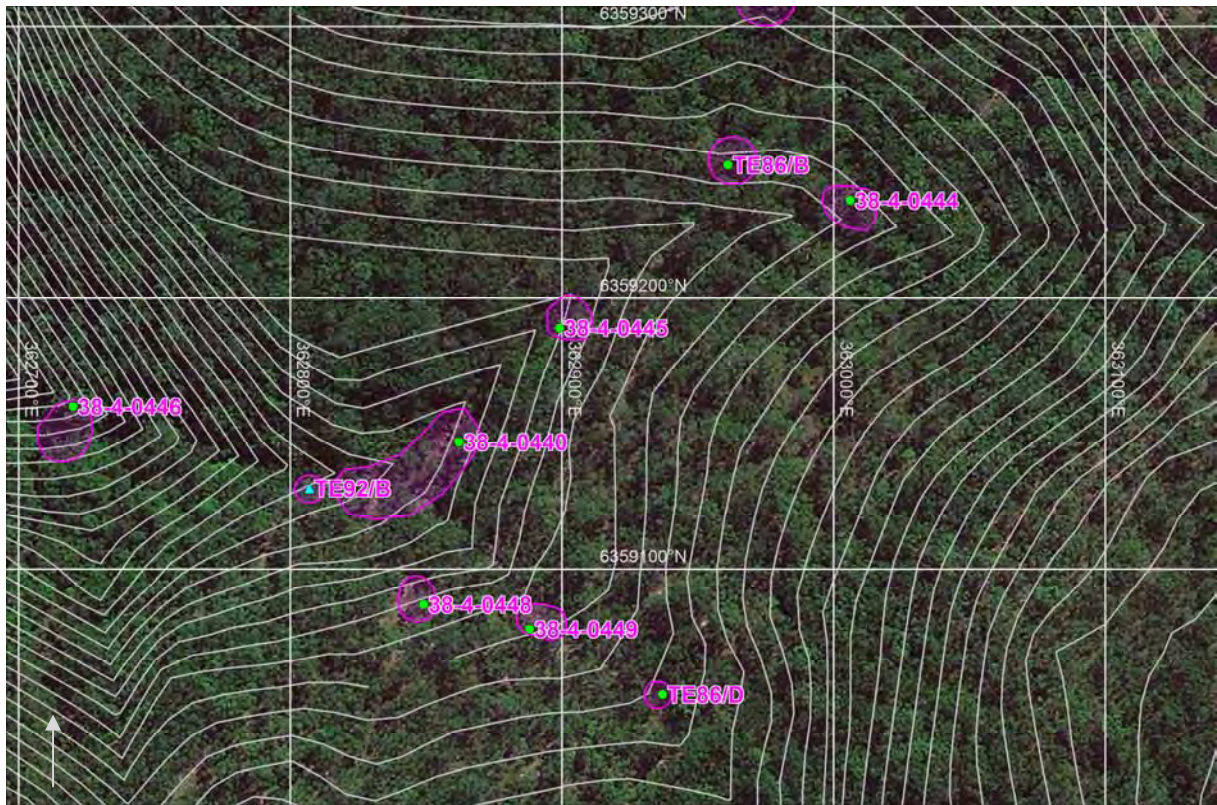
- ❑ Erosion caused by water overflow;
- ❑ Originally recorded by Bluff, 1997;
- ❑ Relocated in survey area TE86;
- ❑ Grid references updated here.

Site Plan: #38-4-0445





Site Location: #38-4-0445



Photograph: #38-4-0445







## SITE NAME: MT SUGARLOAF (#38-4-0446)

Site Type: *Open grinding groove*      MGA Grid Reference: *362720:6359160*  
 Date Recorded: *20/9/11*      Topographic Map: *Wallsend 9232-3S*  
 Recorder: *Stephen Free*

Landform Element: *Drainage depression*      Vegetation: *Forest*  
 Slope: *Moderate*      Ground Disturbance: *Low*  
 Distance to Water: *<50*

Extent of Exposed Rock: *15 x 6m*  
 Extent of Grooves: *10 x 2m*  
 Rock Type: *Sandstone*  
 Rock Form: *Boulder, outcrop*  
 Surface Condition: *Stable*  
 Disturbance: *Low*  
 Type of Disturbance: *Erosion, weathering*

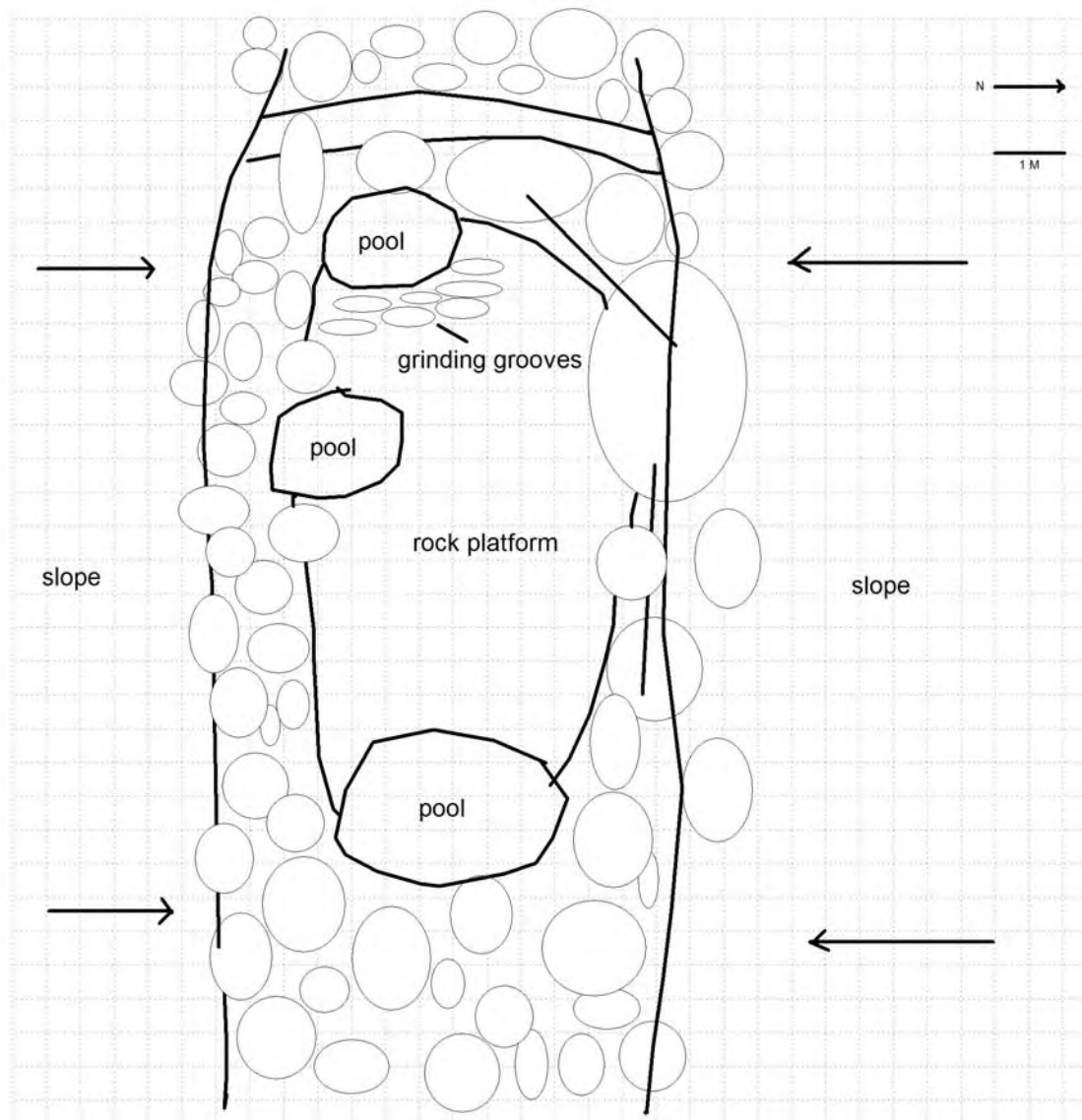
### Groove description:

Groove #	Groove Length (mm)	Groove Width (mm)	Groove Depth (mm)	Comments
1	250	60	10	u-shaped
2	400	80	30	u-shaped
3	330	90	20	u-shaped
4	300	80	10	u-shaped
5	240	50	5	u-shaped
6	230	60	20	u-shaped
7	340	70	20	u-shaped
8	360	60	25	u-shaped
9	190	45	40	u-shaped
10	200	110	40	u-shaped
11	370	90	20	u-shaped
12	340	80	30	u-shaped
13	280	70	10	u-shaped
14	250	80	10	u-shaped
15	400	60	10	u-shaped
16	390	60	15	u-shaped
17	260	60	15	u-shaped
18	320	70	15	u-shaped
19	300	90	15	u-shaped
20	300	70	10	u-shaped
21	250	60	20	u-shaped
22	300	70	30	u-shaped

### Additional Comments:

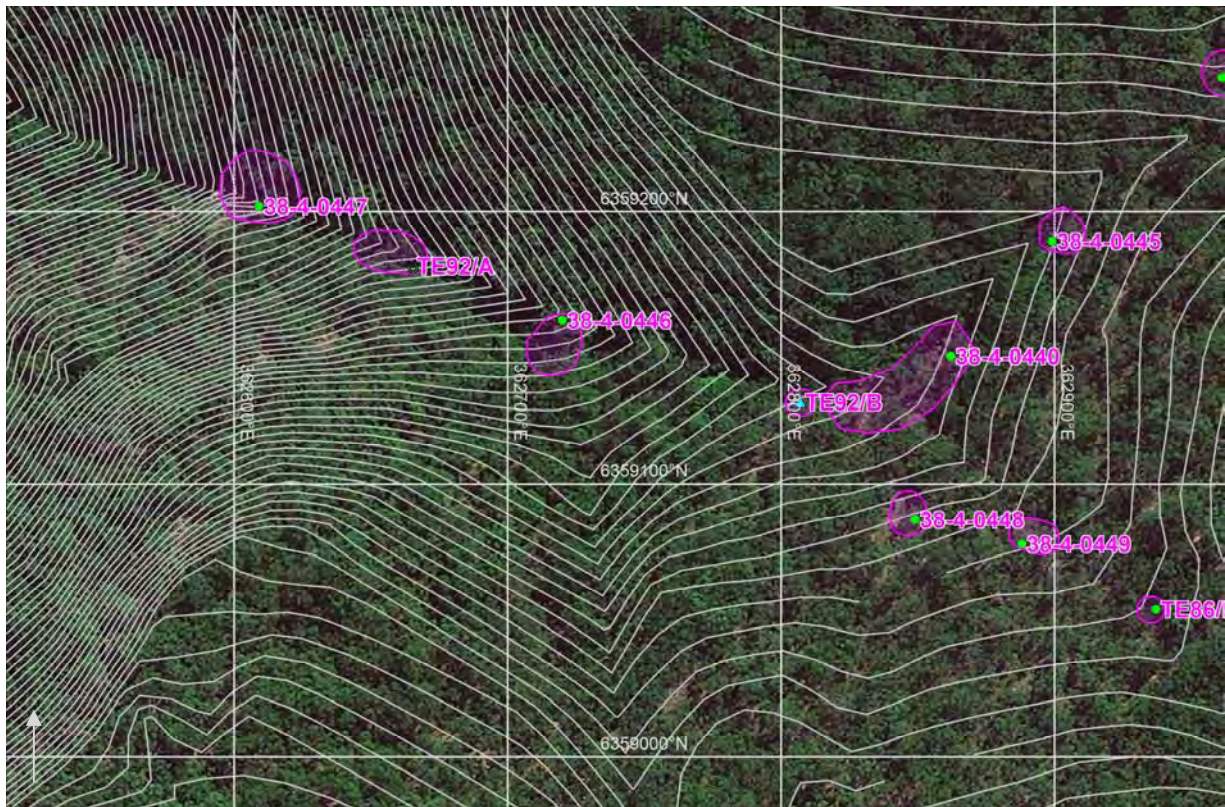
- ☐ Erosion caused by water overflow;
- ☐ Originally recorded by Bluff, 1997;
- ☐ Relocated in survey area TE92;
- ☐ Probably more grinding grooves beneath moss cover
- ☐ Grid references updated here.







Site Location: #38-4-0446



Photograph: #38-4-0446







## SITE NAME: MT SUGARLOAF (#38-4-0447)

Site Type: *Open grinding groove*      MGA Grid Reference: *362609:6359202*  
 Date Recorded: *20/9/11*      Topographic Map: *Wallsend 9232-3S*  
 Recorder: *Stephen Free*

Landform Element: *Drainage depression*      Vegetation: *Forest*  
 Slope: *Moderate*      Ground Disturbance: *Low*  
 Distance to Water: *<50*

### Loci A - E:

Extent of Exposed Rock: *25 x 20m*  
 Extent of Grooves: *12 x 6m*  
 Rock Type: *Sandstone*  
 Rock Form: *Boulder, outcrop*  
 Surface Condition: *Stable*  
 Disturbance: *Low*  
 Type of Disturbance: *Erosion, weathering*

### Groove description:

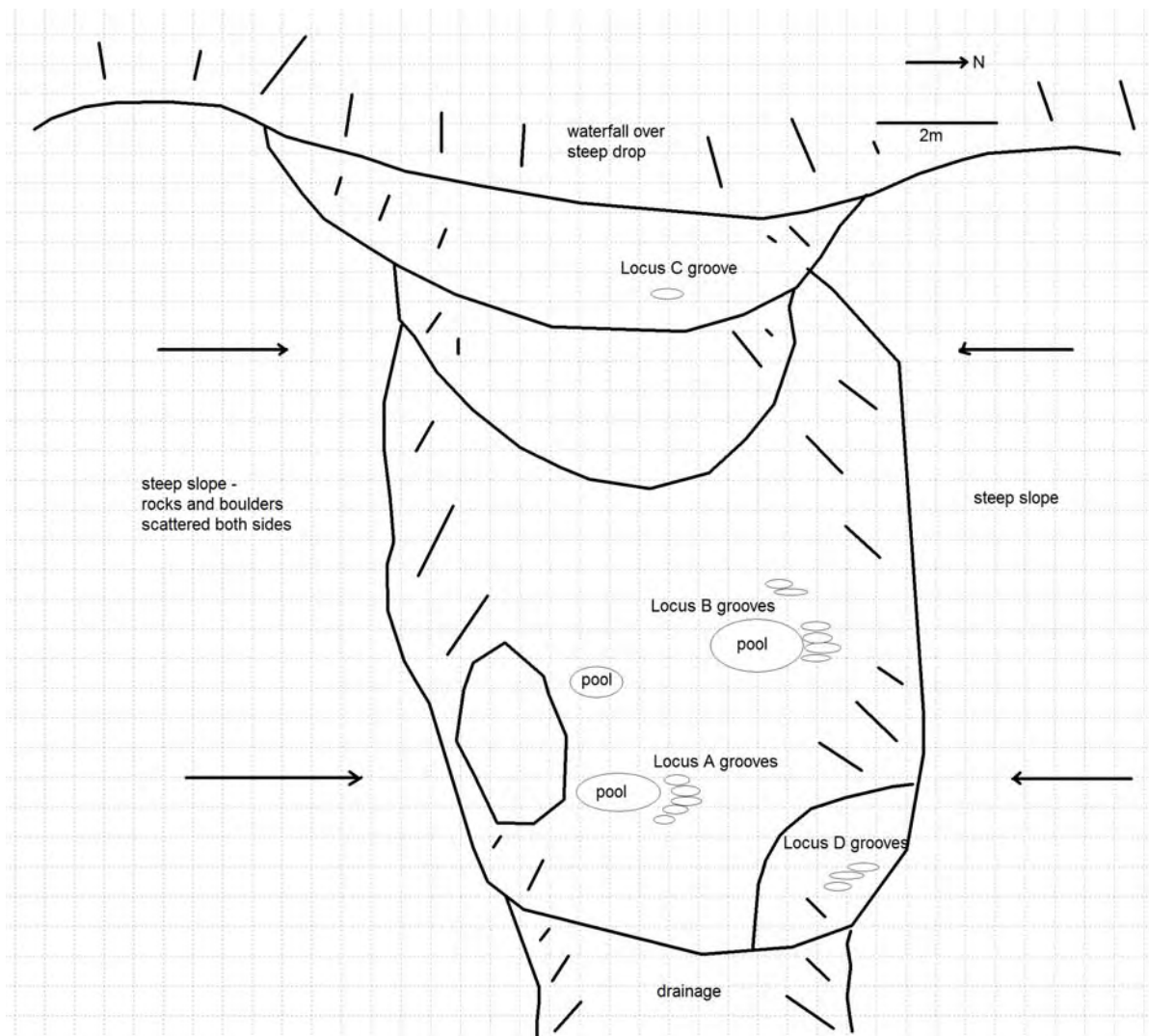
Groove #	Groove Length (mm)	Groove Width (mm)	Groove Depth (mm)	Comments
1	300	90	40	u-shaped; Locus A
2	180	50	10	u-shaped
3	200	70	30	u-shaped
4	100	30	10	u-shaped
5	130	70	3	u-shaped
6	340	100	20	u-shaped; Locus B
7	300	70	5	u-shaped
8	250	90	5	u-shaped
9	260	70	10	u-shaped
10	310	90	20	u-shaped
11	300	50	10	u-shaped
12	250	90	30	u-shaped
13	350	80	30	u-shaped
14	290	80	20	u-shaped
15	300	100	20	u-shaped
16	190	70	20	u-shaped
17	270	80	20	u-shaped
18	190	90	30	u-shaped
19	280	120	50	u-shaped
20	190	70	30	u-shaped
21	360	100	70	u-shaped
22	250	60	10	u-shaped
23	240	60	10	u-shaped
24	310	110	20	u-shaped
25	220	50	10	u-shaped; Locus C
26	380	100	10	u-shaped
27	200	30	20	u-shaped; Locus D
28	200	50	20	u-shaped
29	330	40	20	u-shaped
30	170	50	20	u-shaped; Locus E

Groove #	Groove Length (mm)	Groove Width (mm)	Groove Depth (mm)	Comments
31	340	120	40	u-shaped
32	290	130	50	u-shaped
33	190	60	20	u-shaped
34	280	80	40	u-shaped

Additional Comments:

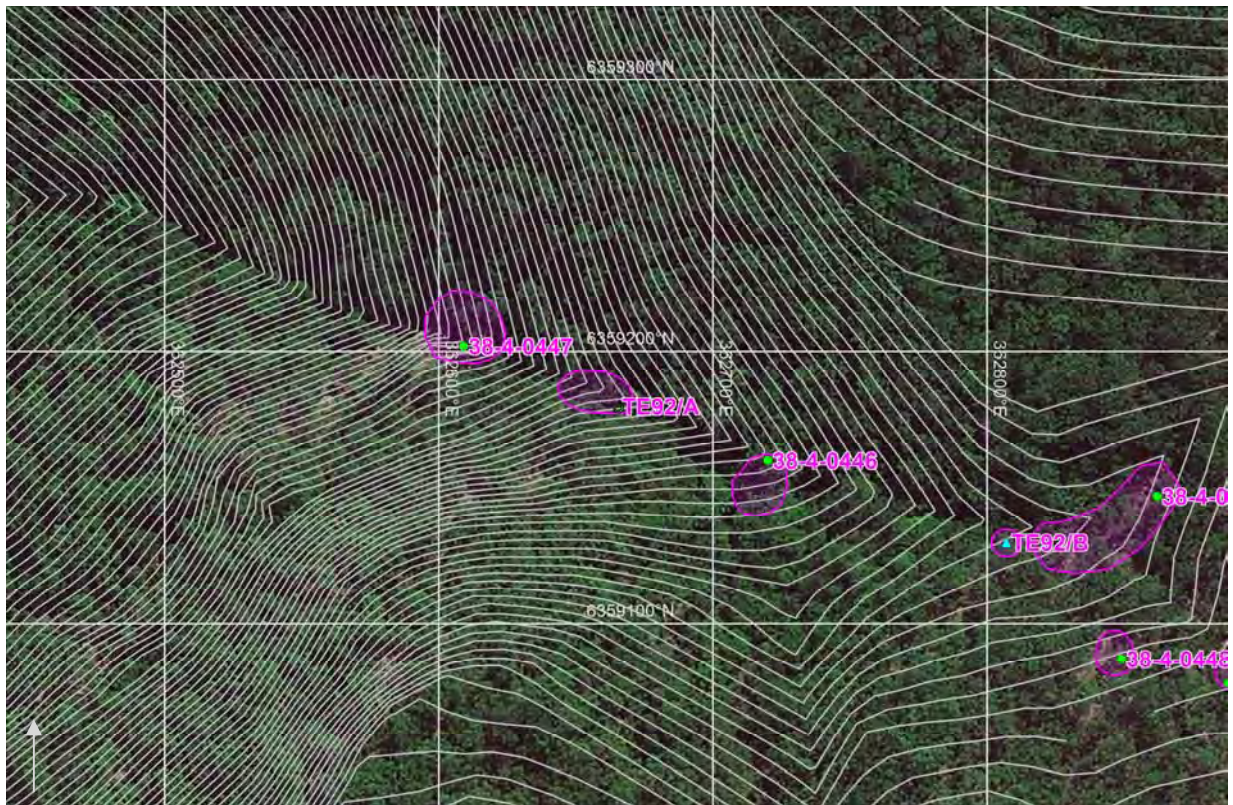
- ☐ Erosion caused by water overflow;
- ☐ Top of steep drop / waterfall;
- ☐ Originally recorded by Bluff, 1997;
- ☐ Relocated in survey area TE92;
- ☐ Grid references updated here;
- ☐ Probable rock engraving, very weathered.

Site Plan: #38-4-0447





Site Location: #38-4-0447



Photograph: #38-4-0447











## SITE NAME: MT SUGARLOAF (#38-4-0448)

Site Type: *Open grinding groove*      MGA Grid Reference: *362849:6359087*  
 Date Recorded: *21/9/11*      Topographic Map: *Wallsend 9232-3S*  
 Recorder: *Stephen Free*

Landform Element: *Drainage depression*      Vegetation: *Forest*  
 Slope: *Moderate*      Ground Disturbance: *Low*  
 Distance to Water: *<50*

### Locus A - E:

Extent of Exposed Rock: *15 x 8m*  
 Extent of Grooves: *2 x 1m*  
 Rock Type: *Sandstone*  
 Rock Form: *Boulder, outcrop*  
 Surface Condition: *Stable*  
 Disturbance: *Low*  
 Type of Disturbance: *Erosion, weathering*

### Groove description:

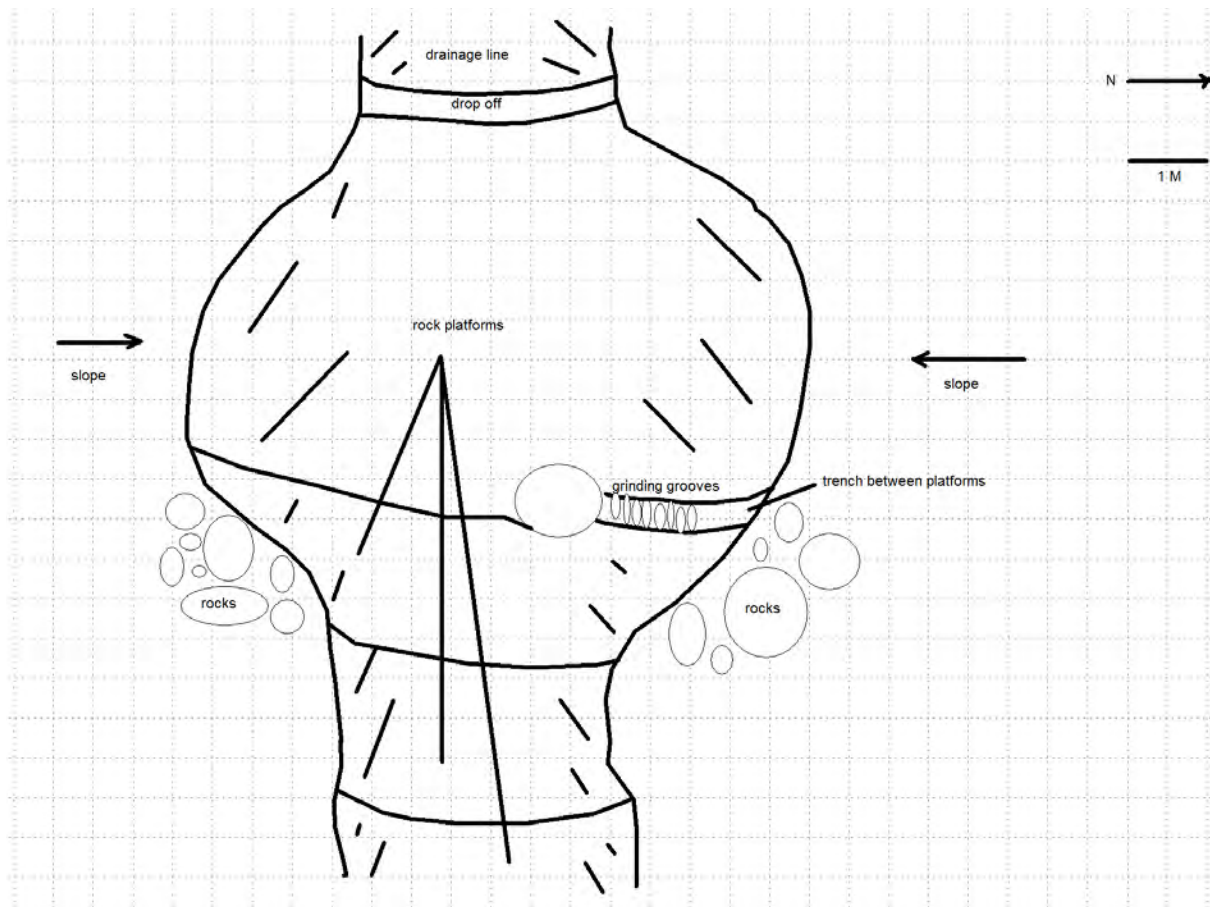
Groove #	Groove Length (mm)	Groove Width (mm)	Groove Depth (mm)	Comments
1	360	90	40	u-shaped
2	330	100	30	u-shaped
3	320	80	40	u-shaped
4	190	60	30	u-shaped
5	300	120	50	u-shaped
6	100	50	10	u-shaped
7	290	100	60	u-shaped
8	380	100	60	u-shaped
9	120	60	20	u-shaped

### Additional Comments:

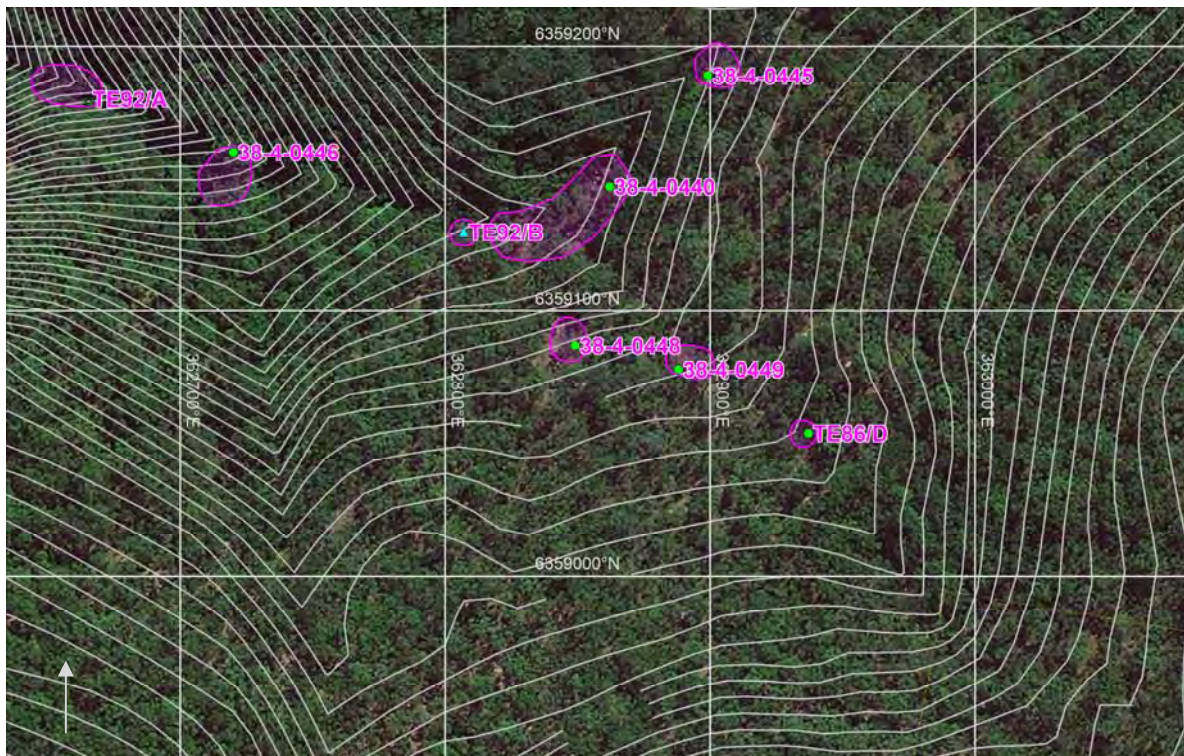
- ☐ Erosion caused by water overflow;
- ☐ Originally recorded by Bluff, 1997;
- ☐ Relocated in survey area TE86;
- ☐ Grid references updated here;
- ☐ Elevation 271m.



# Site Plan: #38-4-0448

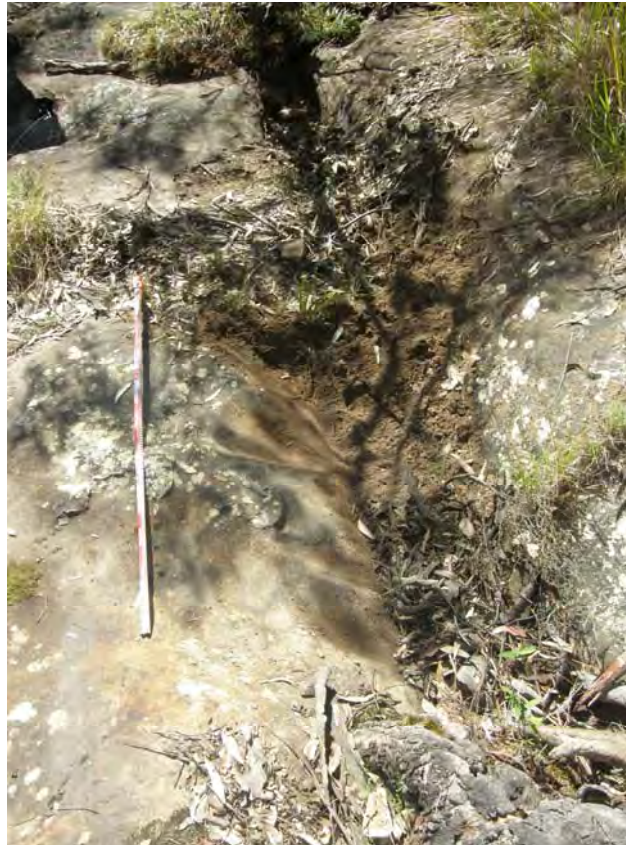


# Site Location: #38-4-0448





Photograph: #38-4-0448



## SITE NAME: MT SUGARLOAF (#38-4-0449)

Site Type: *Open grinding groove*      MGA Grid Reference: *362888:6359078*  
 Date Recorded: *21/9/11*      Topographic Map: *Wallsend 9232-3S*  
 Recorder: *Stephen Free*

Landform Element: *Drainage depression*      Vegetation: *Forest*  
 Slope: *Moderate*      Ground Disturbance: *Low*  
 Distance to Water: *<50*

### Locus A - E:

Extent of Exposed Rock: *15 x 10m*  
 Extent of Grooves: *7 x 3m*  
 Rock Type: *Sandstone*  
 Rock Form: *Boulder, outcrop*  
 Surface Condition: *Stable*  
 Disturbance: *Low*  
 Type of Disturbance: *Erosion, weathering*

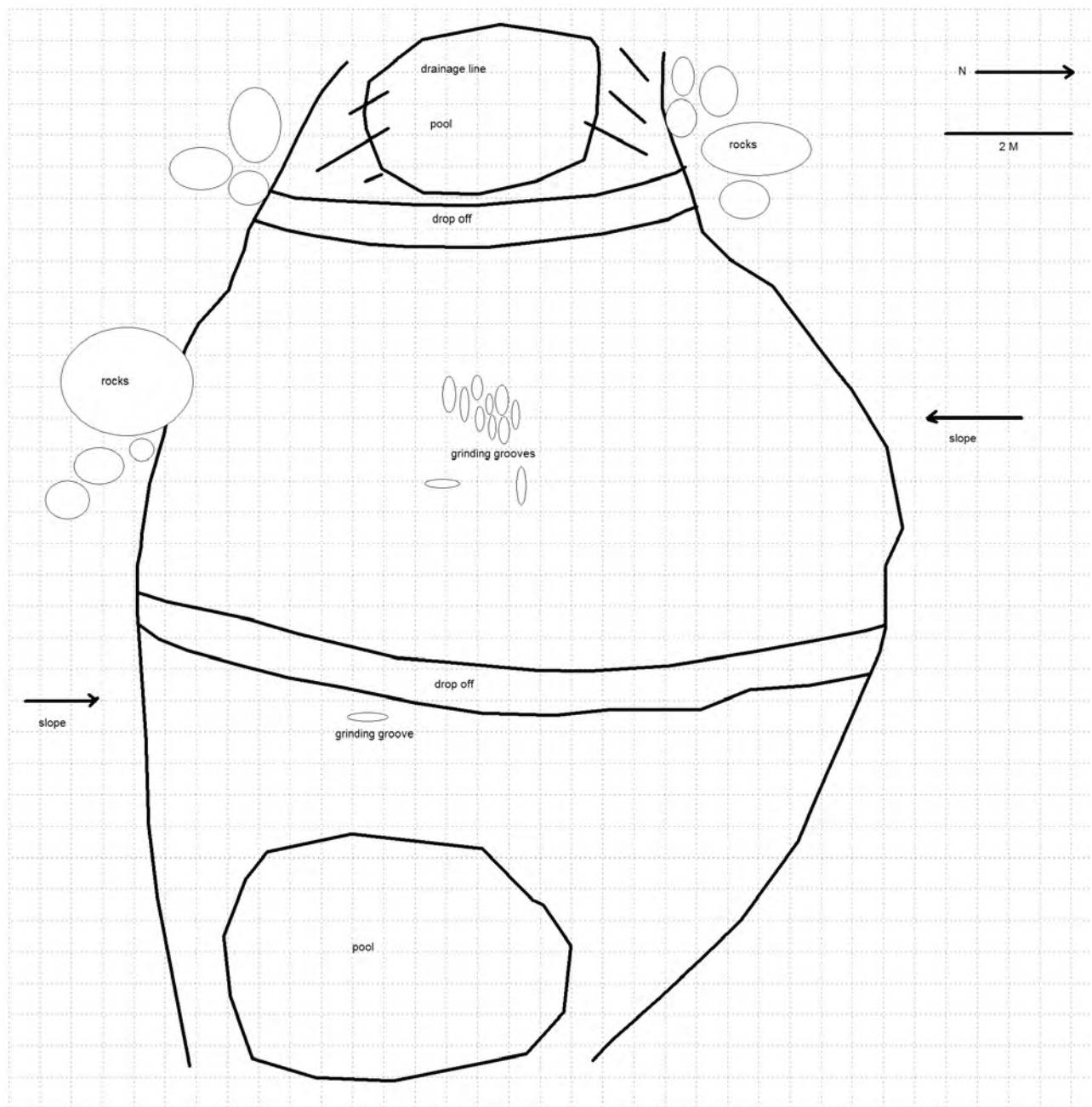
### Groove description:

Groove #	Groove Length (mm)	Groove Width (mm)	Groove Depth (mm)	Comments
1	330	110	30	u-shaped
2	460	130	60	u-shaped
3	360	70	30	u-shaped
4	300	80	30	u-shaped
5	330	90	40	u-shaped
6	290	80	30	u-shaped
7	220	70	30	u-shaped
8	260	40	30	u-shaped
9	350	70	40	u-shaped
10	270	50	20	u-shaped
11	170	50	10	u-shaped
12	150	50	5	u-shaped
13	270	60	20	u-shaped
14	180	50	20	u-shaped

### Additional Comments:

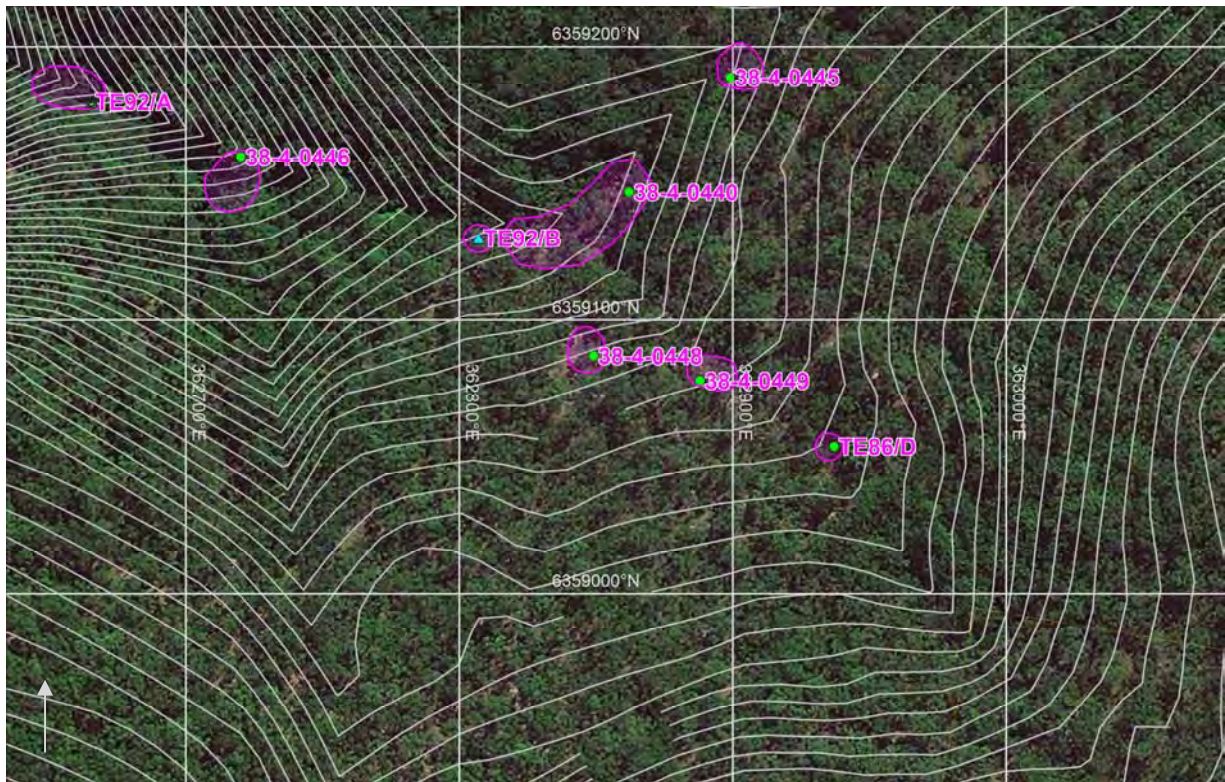
- ☐ Erosion caused by water overflow;
- ☐ Originally recorded by Bluff, 1997;
- ☐ Relocated in survey area TE86;
- ☐ Grid references updated here;
- ☐ Elevation 268m.

Site Plan: #38-4-0449





Site Location: #38-4-0449



Photograph: #38-4-0449







## SITE NAME: HEATON STATE FOREST (#38-4-0486)

Site Type: *Open grinding groove*      MGA Grid Reference: *362977:6359383*  
 Date Recorded: *19/9/11*      Topographic Map: *Wallsend 9232-3S*  
 Recorder: *Stephen Free*

Landform Element: *Drainage depression*      Vegetation: *Forest*  
 Slope: *Moderate*      Ground Disturbance: *Low*  
 Distance to Water: *<50*

Extent of Exposed Rock: *8 x 6m*  
 Extent of Grooves: *1 x 0.5m*  
 Rock Type: *Sandstone*  
 Rock Form: *Boulder, outcrop*  
 Surface Condition: *Stable*  
 Disturbance: *Low*  
 Type of Disturbance: *Erosion*

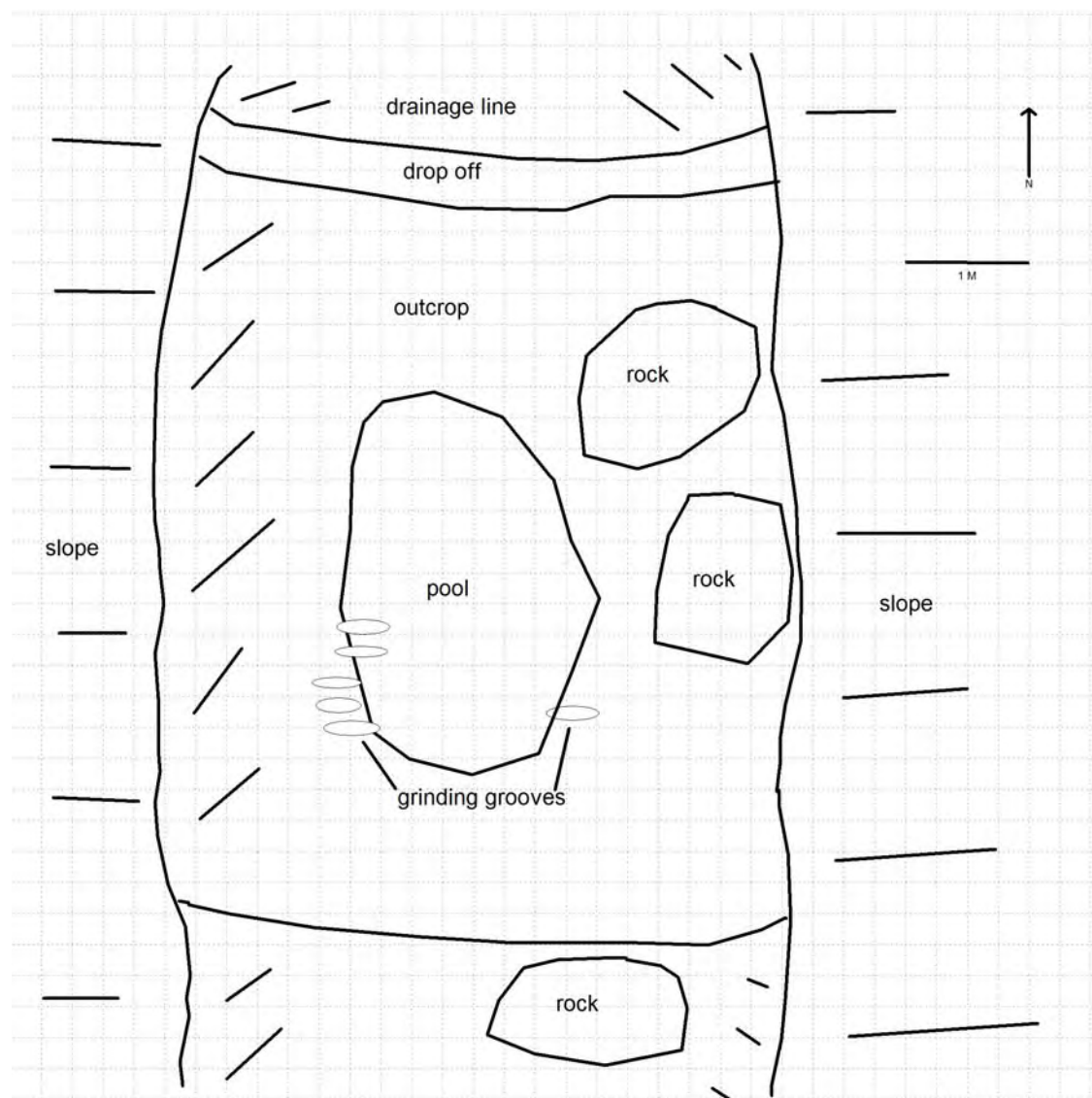
### Groove description:

Groove #	Groove Length (mm)	Groove Width (mm)	Groove Depth (mm)	Comments
1	300	110	32	u-shaped
2	400	80	30	u-shaped
3	390	60	44	u-shaped
4	320	110	23	u-shaped
5	330	90	40	u-shaped
6	220	110	20	u-shaped

### Additional Comments:

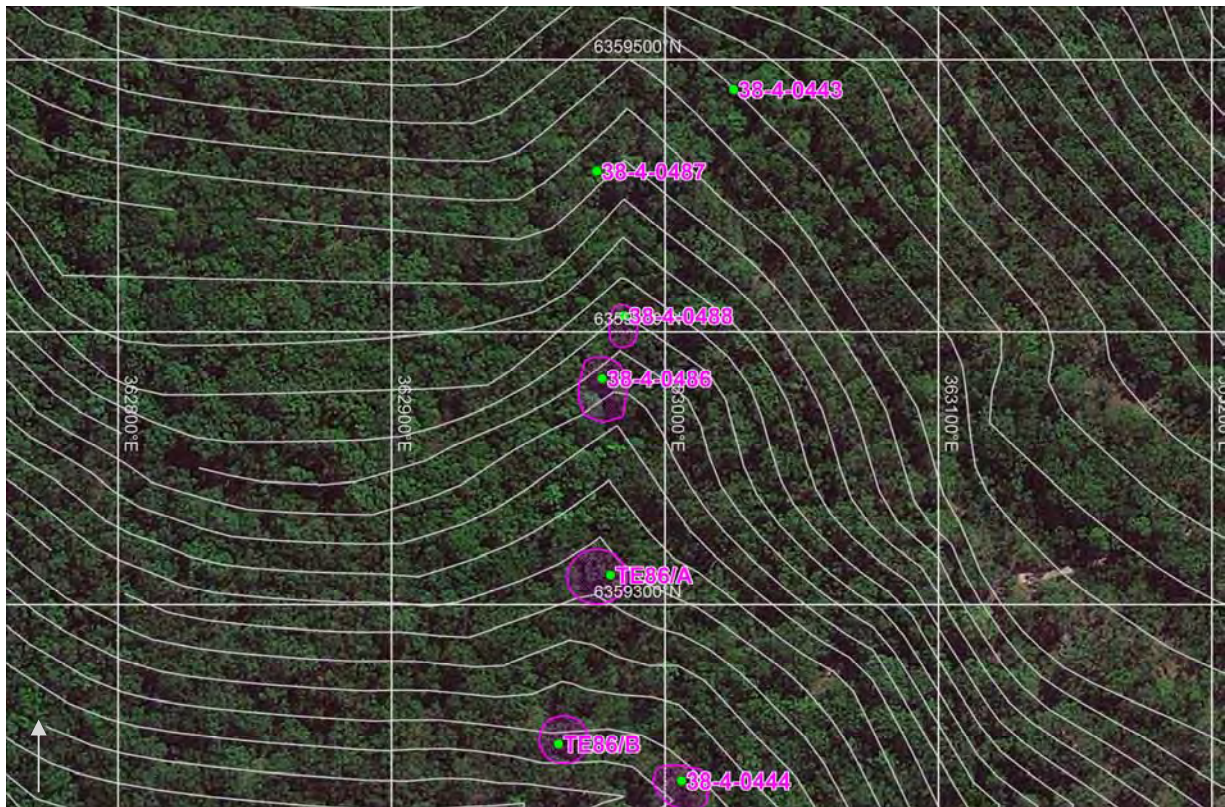
- ☐ Site impacted only by erosion/weathering caused by water overflow;
- ☐ Originally recorded by Bluff, 1998;
- ☐ Relocated in survey area TE86;
- ☐ Grid references updated here.

Site Plan: #38-4-0486





Site Location: #38-4-0486



Photograph: #38-4-0486







## SITE NAME: HEATON STATE FOREST (#38-4-0488)

Site Type: *Open grinding groove*      MGA Grid Reference: *362985:6359406*  
 Date Recorded: *19/9/11*      Topographic Map: *Wallsend 9232-3S*  
 Recorder: *Stephen Free*

Landform Element: *Drainage depression*      Vegetation: *Forest*  
 Slope: *Moderate*      Ground Disturbance: *Low*  
 Distance to Water: *<50*

Extent of Exposed Rock: *10 x 5m*  
 Extent of Grooves: *0.8 x 0.7m*  
 Rock Type: *Sandstone*  
 Rock Form: *Boulder, outcrop*  
 Surface Condition: *Stable*  
 Disturbance: *Low*  
 Type of Disturbance: *Erosion*

### Groove description:

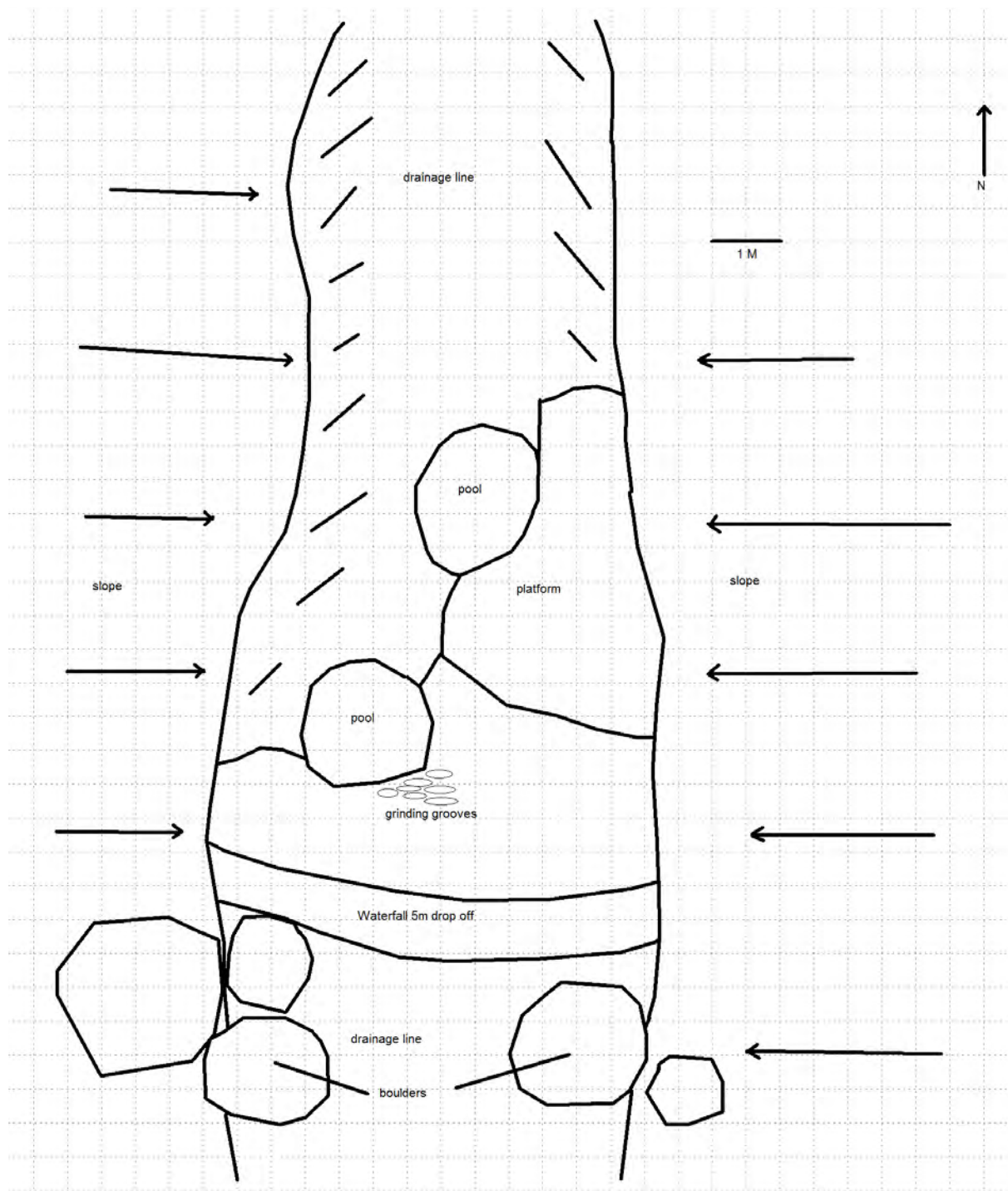
Groove #	Groove Length (mm)	Groove Width (mm)	Groove Depth (mm)	Comments
1	300	70	10	u-shaped
2	200	60	10	u-shaped
3	390	95	25	u-shaped
4	170	60	8	u-shaped
5	300	100	25	u-shaped
6	140	30	8	u-shaped
7	330	80	25	u-shaped

### Additional Comments:

- ☐ Minimal water running over grooves during heavy flow;
- ☐ Originally recorded by Bluff, 1998;
- ☐ Relocated in survey area TE86;
- ☐ Grid references updated here.

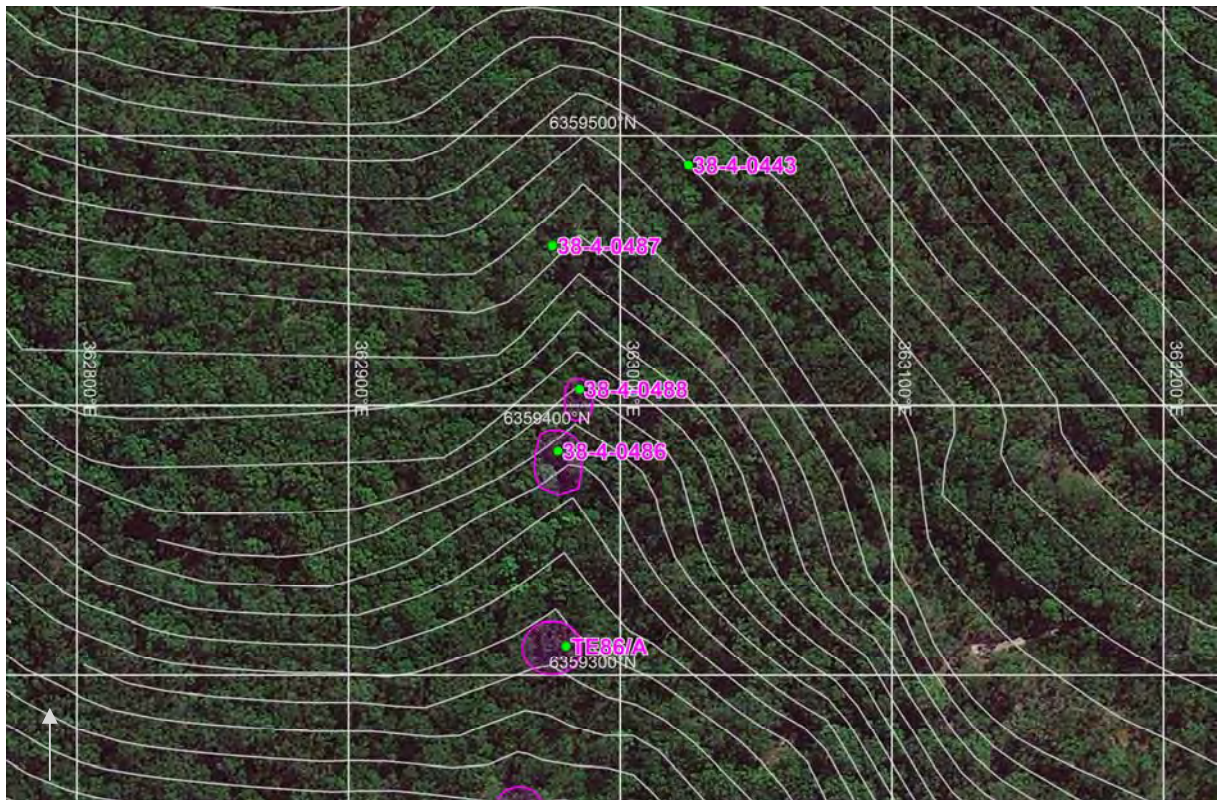


Site Plan: #38-4-0488





Site Location: #38-4-0488



Photograph: #38-4-0488







## SITE NAME: SUGARLOAF RANGE 1 (#38-4-0610)

Site Type: *Open grinding groove*      MGA Grid Reference: *360803:6357686*  
 Date Recorded: *27/9/11*      Topographic Map: *Wallsend 9232-3S*  
 Recorder: *Leigh Bate*

Landform Element: *Drainage depression*      Vegetation: *Forest*  
 Slope: *Gentle*      Ground Disturbance: *Low*  
 Distance to Water: *<50*

Extent of Exposed Rock: *50 x 3m*  
 Extent of Grooves: *12 x 2m*  
 Rock Type: *Sandstone*  
 Rock Form: *Outcrop*  
 Surface Condition: *Weathered*  
 Disturbance: *Low*  
 Type of Disturbance: *Weathering, vegetation*

### Groove description:

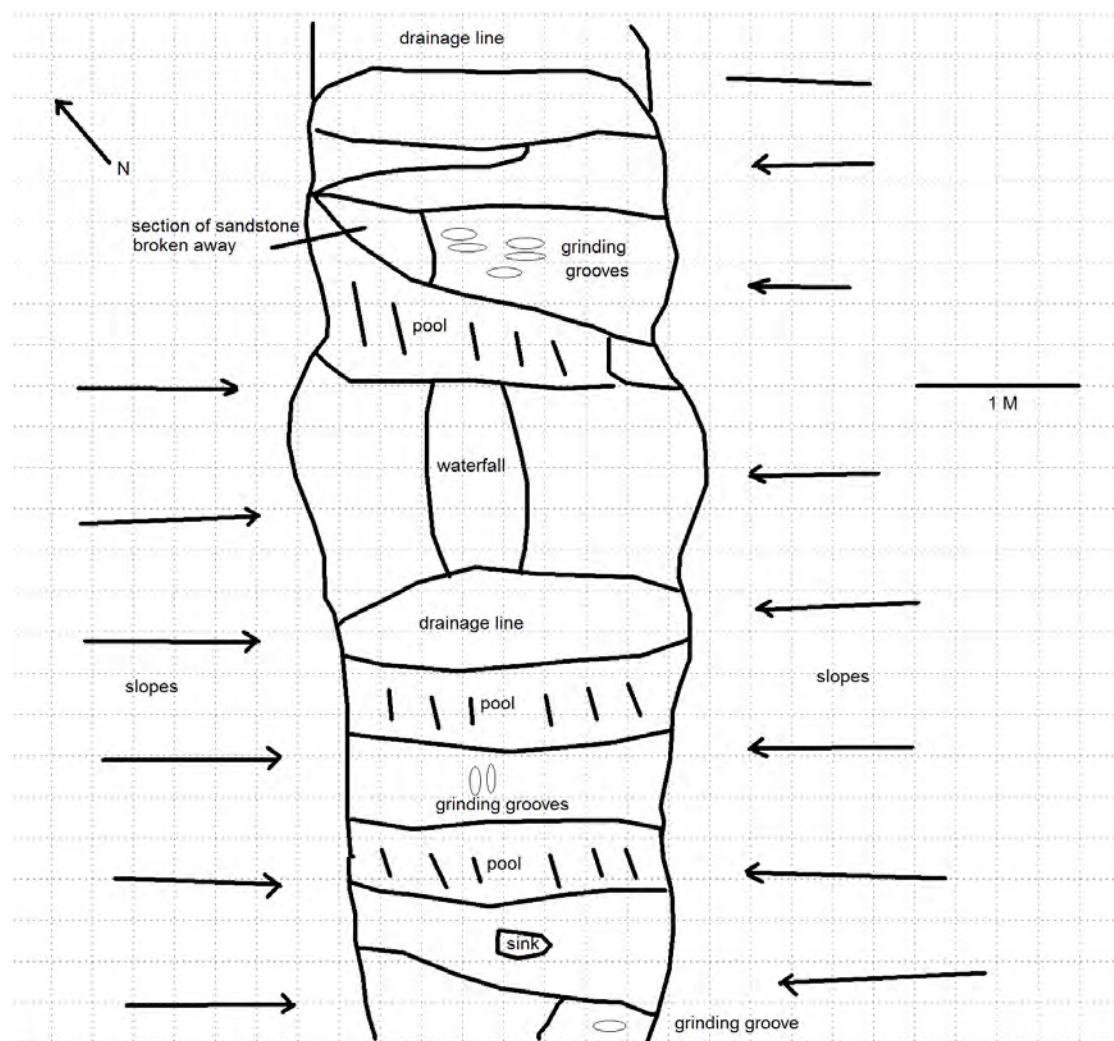
Groove #	Groove Length (mm)	Groove Width (mm)	Groove Depth (mm)	Comments
1	300	70	10	u-shaped
2	290	80	20	u-shaped
3	260	70	10	u-shaped
4	250	80	20	u-shaped
5	150	70	10	u-shaped; end broken
6	270	70	20	u-shaped
7	400	100	30	u-shaped
8	320	70	20	u-shaped
9	150	40	10	u-shaped

### Additional Comments:

- ☐ Originally recorded by Bluff, 2000;
- ☐ Relocated in survey area TE155;
- ☐ Grid references updated here;
- ☐ Site type 'grinding grooves' not 'artefacts' as reported on AHIMS.

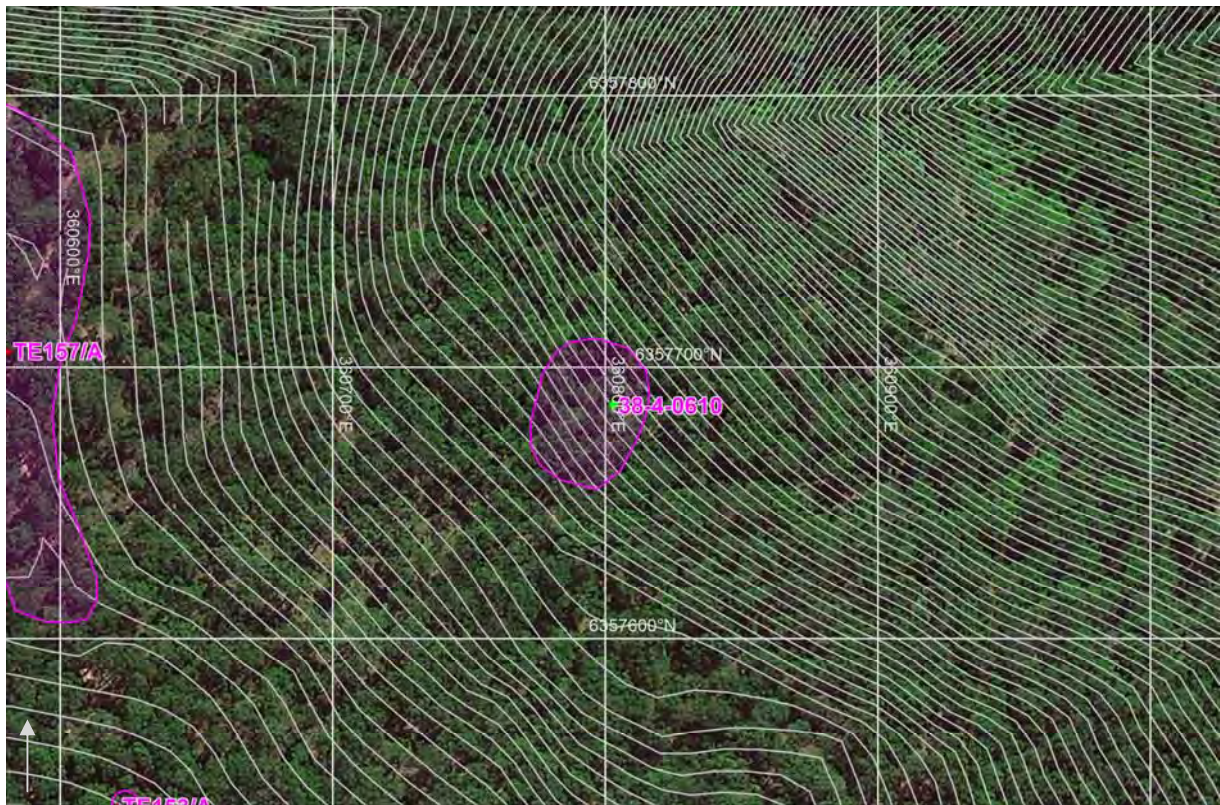


Site Plan: #38-4-0610





Site Location: #38-4-0610



Photograph: #38-4-0610







## SITE NAME: HEATON SF (#38-4-0869)

Site Type: *Open grinding groove*      MGA Grid Reference: *361143:6357474*  
 Date Recorded: *27/9/11*      Topographic Map: *Wallsend 9232-3S*  
 Recorder: *Leigh Bate*

Landform Element: *Drainage depression*      Vegetation: *Forested*  
 Slope: *Moderate*      Ground Disturbance: *Low*  
 Distance to Water: *<50m*

Extent of Exposed Rock: *7 x 5m*  
 Extent of Grooves: *5 x 2m*  
 Rock Type: *Sandstone*  
 Rock Form: *Open surface*  
 Surface Condition: *Weathered*  
 Disturbance: *Low*  
 Type of Disturbance: *Weathering*

### Groove description:

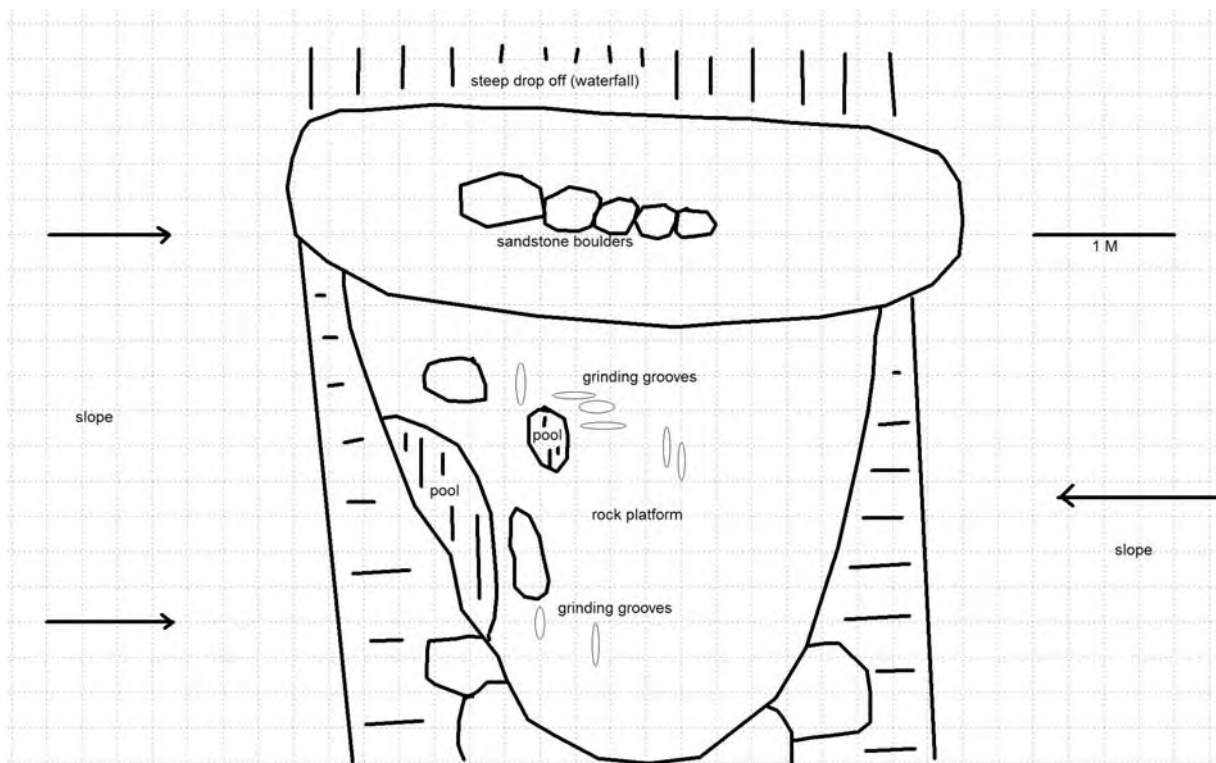
Groove #	Groove Length (mm)	Groove Width (mm)	Groove Depth (mm)	Comments
1	290	90	30	u-shaped
2	280	50	10	u-shaped
3	300	90	30	u-shaped
4	200	70	30	u-shaped
5	230	120	20	u-shaped
6	330	110	40	u-shaped
7	330	230	20	flat
8	230	30	10	u-shaped
9	340	80	20	u-shaped

### Additional Comments:

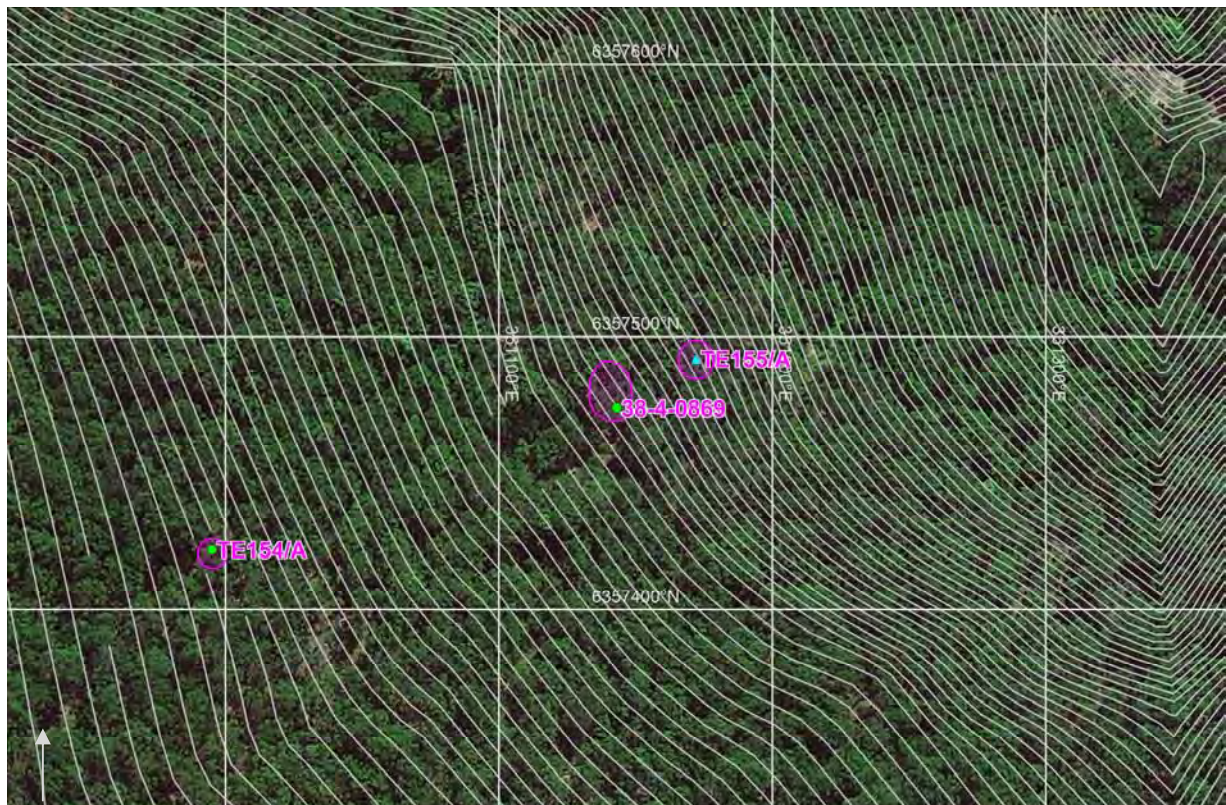
- ☐ Site located outside investigation area;
- ☐ Originally recorded by Bluff, 2000;
- ☐ Grid references updated here.



Site Plan: #38-4-0869



Site Location: #38-4-0869





Photograph: #38-4-0869





## SITE NAME: TASMAN EXTENSION 1/A

Site Type:	Artefact scatter	MGA Grid Reference:	363395:6363025
Date Recorded:	12/9/11	Topographic Map:	Beresfield 9232-3N
Recorder:	Stephen Free		
Landform Element:	Simple slope	Vegetation:	Cleared
Slope:	Gentle	Ground Disturbance:	High
Distance to Water:	>50		

Visible Extent of Surface Exposures: Length (m)	Visible Extent of Surface Exposures: Width (m)	Visible Extent of Evidence: Length (m)	Visible Extent of Evidence: Width (m)	Visible Locus Area (m <sup>2</sup> )	Mean Surface Visibility of Locus (%)	Mean Arch. Visibility of Locus (%)	Effective Locus Area (m <sup>2</sup> )	# of Artefacts	# of Artefacts per m <sup>2</sup> of Effective Locus Area	Sub- Surface Deposit
varies	varies	15	5	75	60%	60%	45	3	0.067	unlikely

### Additional Comments:

- ☐ Artefacts located on transmission line access track;
- ☐ 2 chert lithic fragments, 1 silcrete lithic fragment;
- ☐ High disturbance from vehicles.

Site Location: Tasman Extension 1/A



Photograph: Tasman Extension 1/A





## SITE NAME: TASMAN EXTENSION 1/B

Site Type:	Artefact scatter	MGA Grid Reference:	363529:6362864
Date Recorded:	12/9/11	Topographic Map:	Beresfield 9232-3N
Recorder:	Leigh Bate		
Landform Element:	Simple slope	Vegetation:	Cleared
Slope:	Gentle	Ground Disturbance:	Moderate
Distance to Water:	>50		

Visible Extent of Surface Exposures: Length (m)	Visible Extent of Surface Exposures: Width (m)	Visible Extent of Evidence: Length (m)	Visible Extent of Evidence: Width (m)	Visible Locus Area (m <sup>2</sup> )	Mean Surface Visibility of Locus (%)	Mean Arch. Visibility of Locus (%)	Effective Locus Area (m <sup>2</sup> )	# of Artefacts	# of Artefacts per m <sup>2</sup> of Effective Locus Area	Sub- Surface Deposit
varies	varies	17	3	51	60%	60%	30.6	3	0.098	unlikely

### Additional Comments:

- ☐ Site found along transmission line access track;
- ☐ 2 tuff cores and one tuff flake portion;
- ☐ Moderate disturbance from vehicles.

Site Location: Tasman Extension 1/B



Photograph: Tasman Extension 1/B (inset - tuff core and flake portion)





## SITE NAME: TASMAN EXTENSION 10/A

Site Type:	Isolated artefact	MGA Grid Reference:	363472:6362509
Date Recorded:	12/9/11	Topographic Map:	Beresfield 9232-3N
Recorder:	Stephen Free		
Landform Element:	Drainage depression	Vegetation:	Cleared
Slope:	Gentle	Ground Disturbance:	Moderate
Distance to Water:	<50		

Visible Extent of Surface Exposures: Length (m)	Visible Extent of Surface Exposures: Width (m)	Visible Extent of Evidence: Length (m)	Visible Extent of Evidence: Width (m)	Visible Locus Area (m <sup>2</sup> )	Mean Surface Visibility of Locus (%)	Mean Arch. Visibility of Locus (%)	Effective Locus Area (m <sup>2</sup> )	# of Artefacts	# of Artefacts per m <sup>2</sup> of Effective Locus Area	Sub- Surface Deposit
1	1	1	1	1	90%	90%	0.9	1	1.111	unlikely

### Additional Comments:

- ☐ Found on access track;
- ☐ Tuff flake;
- ☐ Moderate disturbance from vehicles.

Site Location: Tasman Extension 10/A



Photograph: Tasman Extension 10/A (inset - tuff flake)





## SITE NAME: TASMAN EXTENSION 29/A

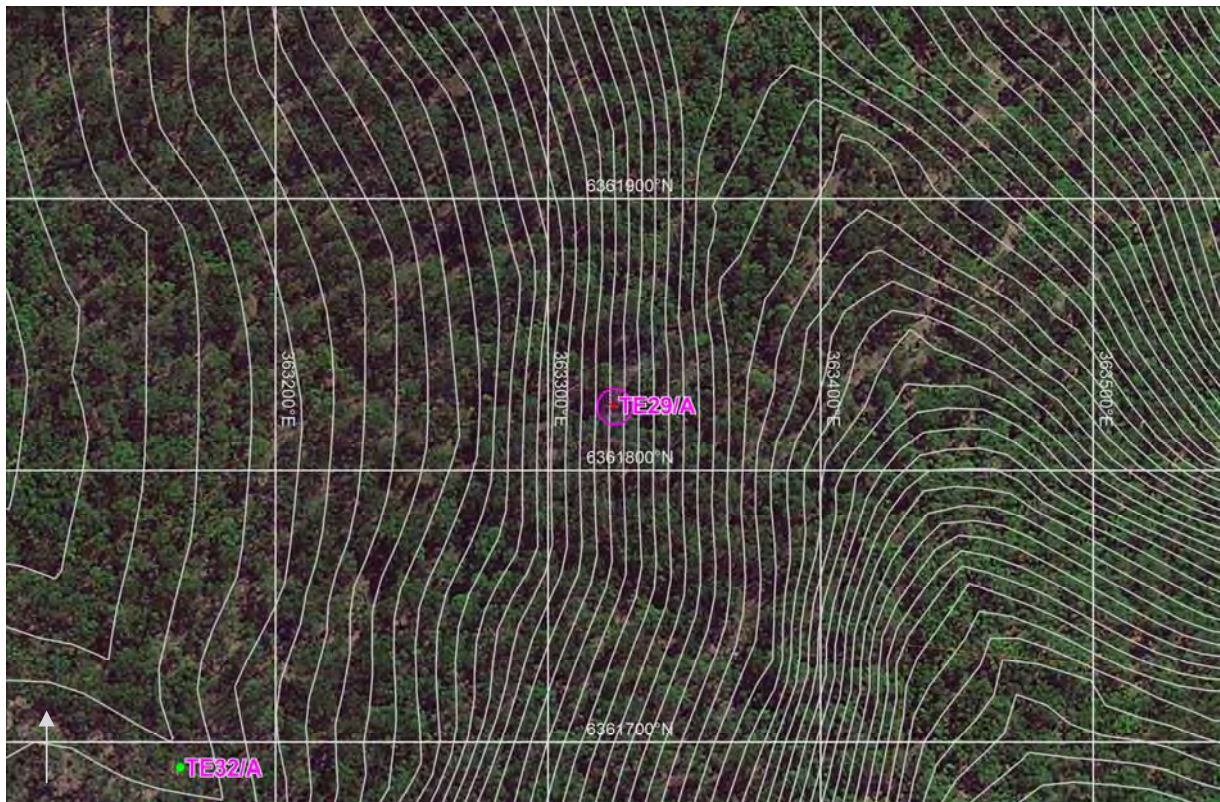
Site Type:	Isolated artefact	MGA Grid Reference:	363324:6361824
Date Recorded:	13/9/11	Topographic Map:	Beresfield 9232-3N
Recorder:	Stephen Free		
Landform Element:	Simple slope	Vegetation:	Forest
Slope:	Steep	Ground Disturbance:	Low
Distance to Water:	>50		

Visible Extent of Surface Exposures: Length (m)	Visible Extent of Surface Exposures: Width (m)	Visible Extent of Evidence: Length (m)	Visible Extent of Evidence: Width (m)	Visible Locus Area (m <sup>2</sup> )	Mean Surface Visibility of Locus (%)	Mean Arch. Visibility of Locus (%)	Effective Locus Area (m <sup>2</sup> )	# of Artefacts	# of Artefacts per m <sup>2</sup> of Effective Locus Area	Sub- Surface Deposit
1	1	1	1	1	10%	10%	0.1	1	10	unlikely

Additional Comments:

- ☐ Low potential;
- ☐ Quartzite flake.

Site Location: Tasman Extension 29/A



Photograph: Tasman Extension 29/A (inset - quartzite flake)





## SITE NAME: TASMAN EXTENSION 32/A

Site Type: *Open grinding groove*      MGA Grid Reference: *363165:6361691*  
 Date Recorded: *13/9/11*      Topographic Map: *Beresfield 9232-3N*  
 Recorder: *Stephen Free*

Landform Element: *Drainage depression*      Vegetation: *Forest*  
 Slope: *Level- very gentle*      Ground Disturbance: *Low*  
 Distance to Water: *<50*

Rock Type: *Sandstone*  
 Rock Form: *Outcrop*  
 Surface Condition: *Stable*  
 Disturbance: *Low*  
 Type of Disturbance:

### Locus A

Extent of Exposed Rock: *1.6 x 0.7m*  
 Extent of Grooves: *0.19 x 0.18m*

### Locus B

Extent of Exposed Rock: *5 x 4m*  
 Extent of Grooves: *0.7 x 0.5m*

### Locus C

Extent of Exposed Rock: *3.5 x 2.5m*  
 Extent of Grooves: *<1 x 1m*

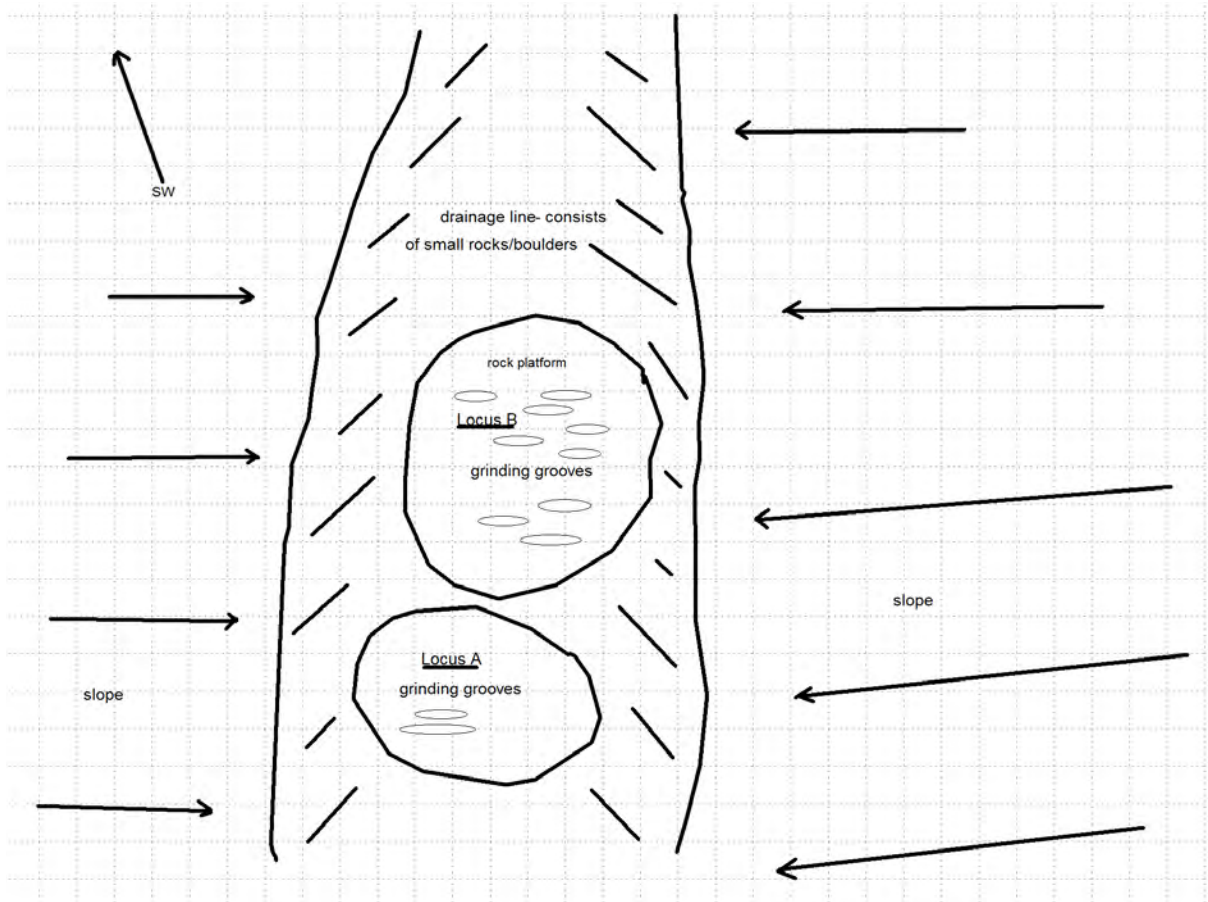
### Groove description:

Groove #	Groove Length (mm)	Groove Width (mm)	Groove Depth (mm)	Comments
1	160	70	30	flat; Locus A
2	150	80	35	flat
3	210	90	40	flat
4	180	60	10	flat
5	200	70	15	Locus B
6	290	70	15	
7	220	70	15	
8	160	70	15	
9	250	70	15	
10	280	130	40	
11	330	110	40	Locus C
12	160	70	20	

### Additional Comments:

- ☐ Three sub-loci adjacent to each other;
- ☐ Grooves 5 - 9 form a series/complex where they overlap to form a pattern.

# Site Plan: Tasman Extension 32/A



## Site Location: Tasman Extension 32/A





Photograph: Tasman Extension 32/A (Inset - grooves, locus B)



## SITE NAME: TASMAN EXTENSION 34/A

Site Type: *Isolated artefact*      MGA Grid Reference: *362916:6361861*  
 Date Recorded: *20/9/11*      Topographic Map: *Beresfield 9232-3N*  
 Recorder: *Leigh Bate*

Landform Element: *Simple slope*      Vegetation: *Cleared*  
 Slope: *Level - very gentle*      Ground Disturbance: *High*  
 Distance to Water: *>50*

Visible Extent of Surface Exposures: Length (m)	Visible Extent of Surface Exposures: Width (m)	Visible Extent of Evidence: Length (m)	Visible Extent of Evidence: Width (m)	Visible Locus Area (m <sup>2</sup> )	Mean Surface Visibility of Locus (%)	Mean Arch. Visibility of Locus (%)	Effective Locus Area (m <sup>2</sup> )	# of Artefacts	# of Artefacts per m <sup>2</sup> of Effective Locus Area	Sub- Surface Deposit
varies	varies	1	1	1	90%	20%	0.2	1	5	possible

### Additional Comments:

- ☐ Artefact located on access track;
- ☐ Silcrete flake portion;
- ☐ Possible sub-surface deposit adjacent to track, but low research potential.



Site Location: Tasman Extension 34/A



Photograph: Tasman Extension 34/A



## SITE NAME: TASMAN EXTENSION 39/A

Site Type:	Rock shelter with PAD	MGA Grid Reference:	363211:6361246
Date Recorded:	14/9/11	Topographic Map:	Wallsend 9232-3S
Recorder:	Stephen Free		

Landform Element:	Drainage depression	Vegetation:	Forested
Slope:	Steep	Ground Disturbance:	Low
Distance to Water:	<50		

Rock Outcrop Material:	Sandstone
Outcrop Type:	Rock shelter
Outcrop Form:	Scarp
Aspect:	
Erosion:	Exfoliation
Surface Condition:	Stable
Soil:	Silt, sand
Disturbance to Deposit:	Low
Causes of Disturbance:	Erosion

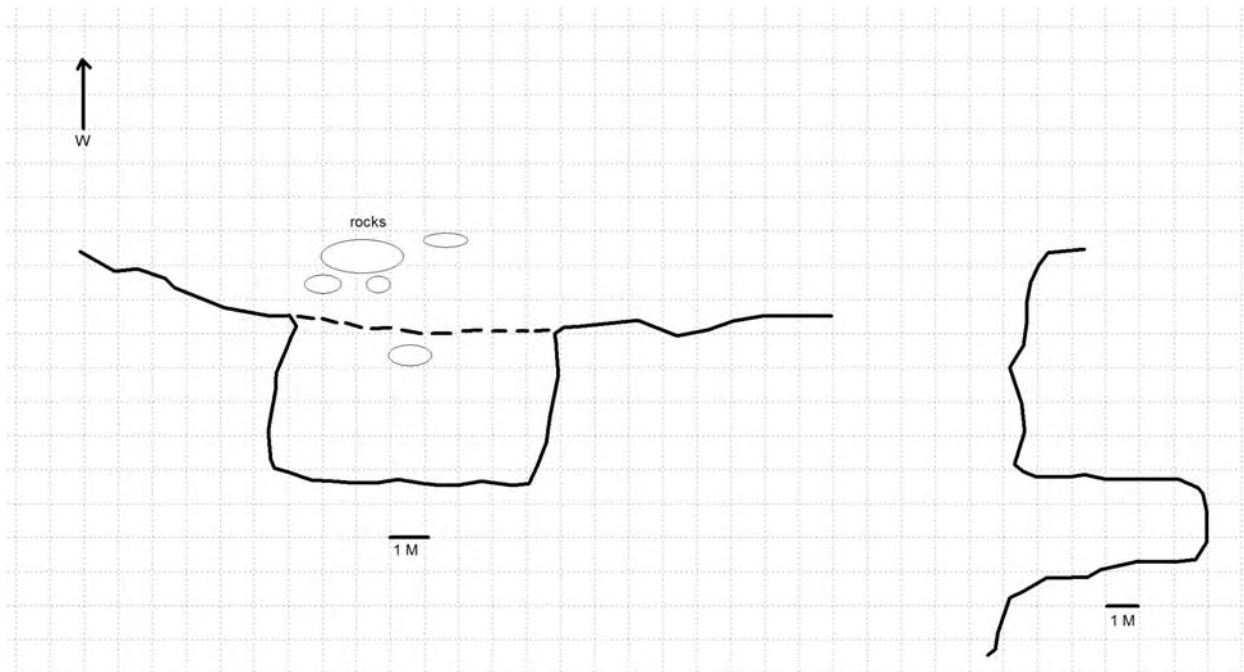
Possible Extent of Potential Archaeological Deposit:	7 x 5m
Possible Depth of Potential Archaeological Deposit:	0.40 metres
# of Artefacts:	0
Visible Extent of Artefacts:	n/a
Archaeological Visibility:	100%
Shelter Floor Area:	7 x 5 metres
Habitable Shelter Area (roof 1+ metres above floor):	

### Additional Comments:

- ☐ Height in centre is 1.5m;
- ☐ Two birds nests on centre ceiling.

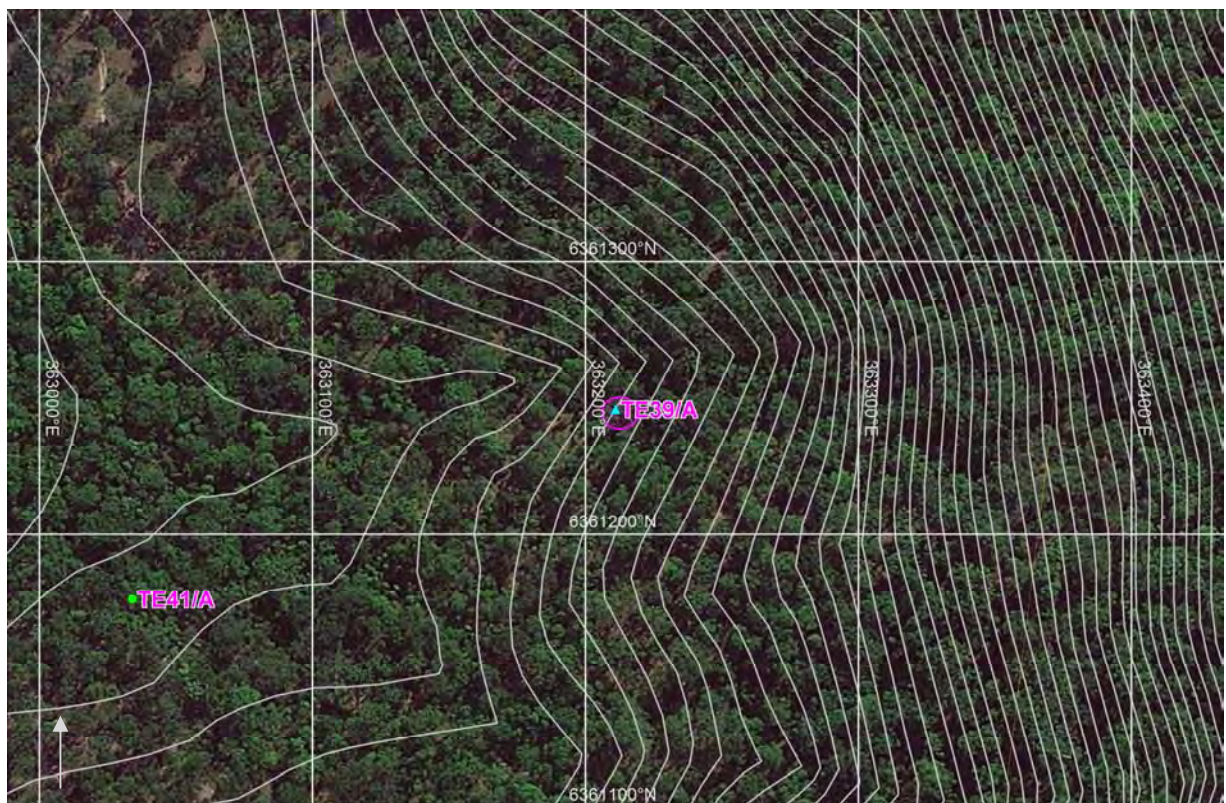


# Site plan and cross-section: Tasman Extension 39/A



KEY: Back wall at floor \_\_\_\_\_ Dripline ..... Deposit/PAD 

## Site Location: Tasman Extension 39/A





Photograph: Tasman Extension 39/A





## SITE NAME: TASMAN EXTENSION 41/A

Site Type: *Open grinding groove*      MGA Grid Reference: *363034:6361176*  
 Date Recorded: *14/9/11*      Topographic Map: *Wallsend 9232-3S*  
 Recorder: *Stephen Free*

Landform Element: *Simple slope*      Vegetation: *Forest*  
 Slope: *Moderate*      Ground Disturbance: *Low*  
 Distance to Water: *>50*

Extent of Exposed Rock: *4 x 3m*  
 Extent of Grooves: *<1 x 1m*  
 Rock Type: *Sandstone*  
 Rock Form: *Outcrop*  
 Surface Condition: *Stable*  
 Disturbance: *Low*  
 Type of Disturbance: *Weathering*

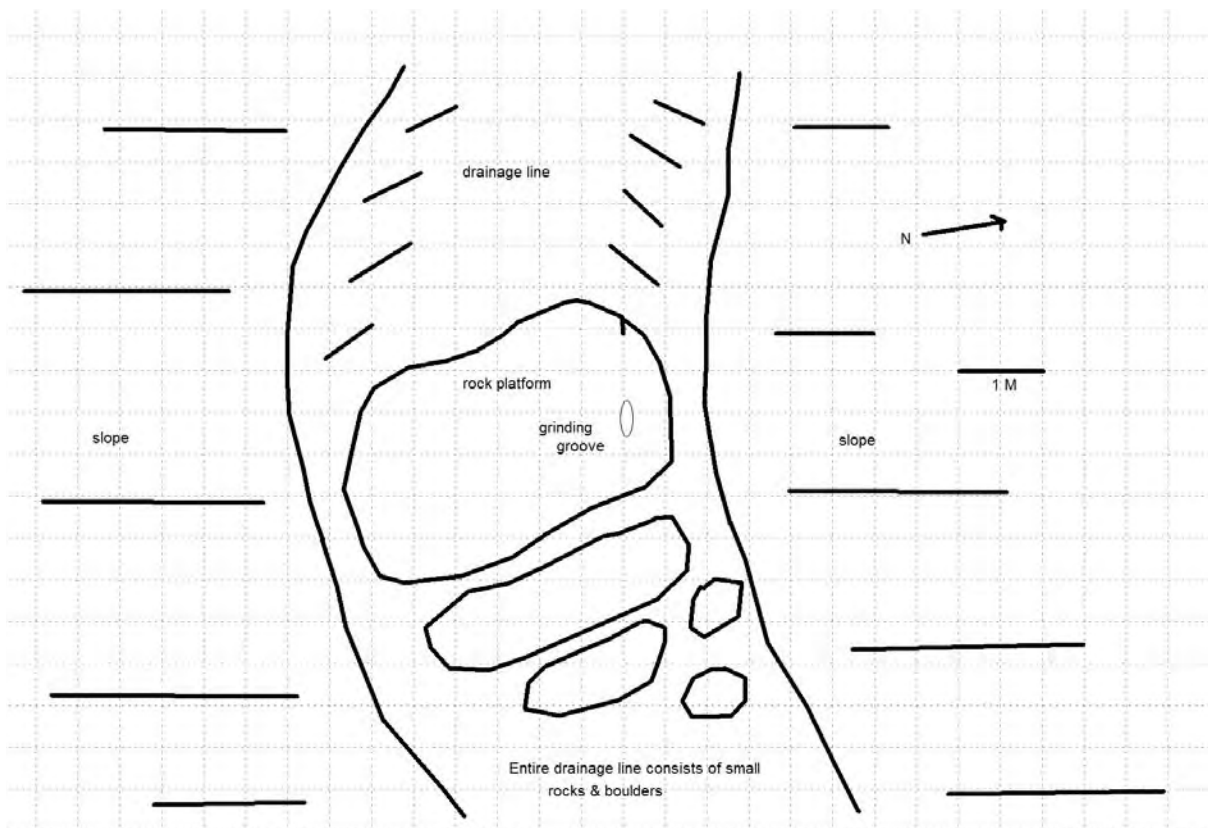
Groove description:

Groove #	Groove Length (mm)	Groove Width (mm)	Groove Depth (mm)	Comments
1	320	163	45	u-shaped

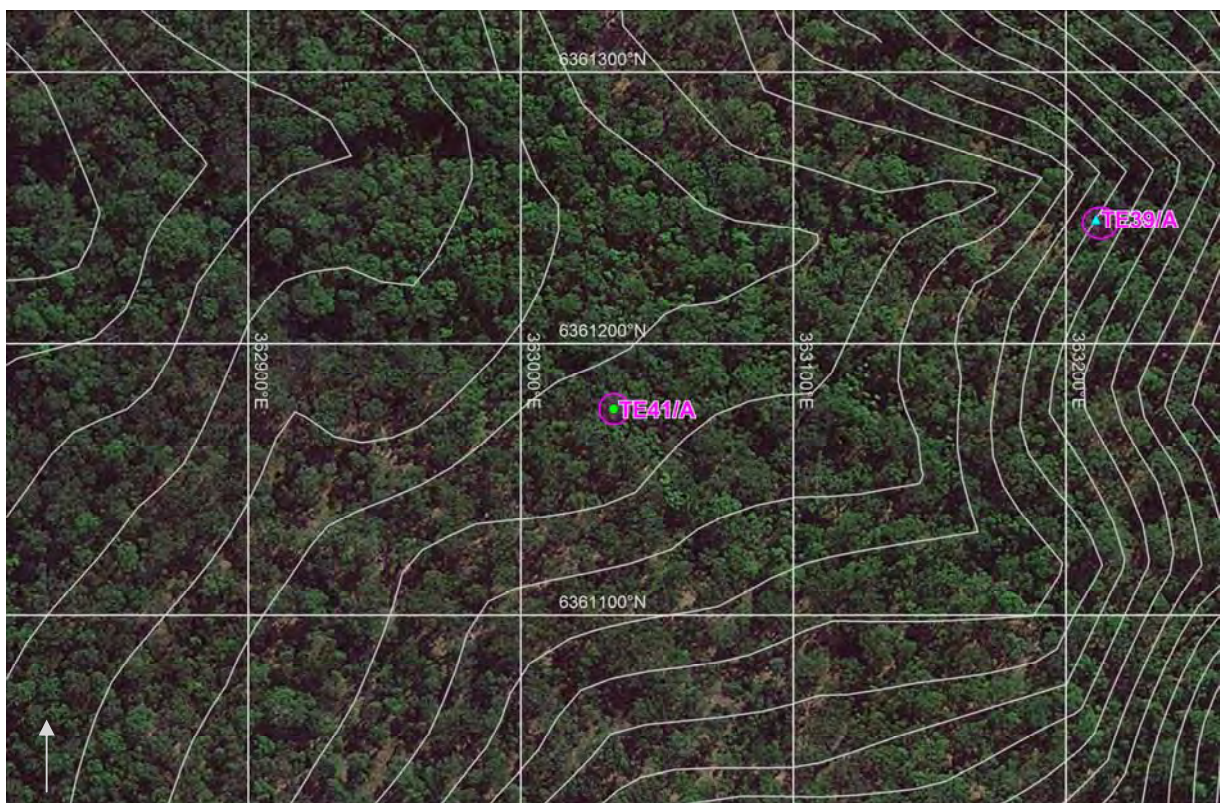
Additional Comments:

- ☐ Impacted by water flow.

# Site Plan: Tasman Extension 41/A



## Site Location: Tasman Extension 41/A





Photograph: Tasman Extension 41/A



## SITE NAME: TASMAN EXTENSION 45/A

Site Type: *Open grinding groove*      MGA Grid Reference: *363308:6360957*  
 Date Recorded: *14/9/11*      Topographic Map: *Wallsend 9232-3S*  
 Recorder: *Stephen Free*

Landform Element: *Drainage depression*      Vegetation: *Forest*  
 Slope: *Steep*      Ground Disturbance: *Low*  
 Distance to Water: *<50*

Extent of Exposed Rock: *5 x 3m*  
 Extent of Grooves: *0.5 x 0.5m*  
 Rock Type: *Sandstone*  
 Rock Form: *Scarp*  
 Surface Condition: *Stable*  
 Disturbance: *Low*  
 Type of Disturbance:

Groove description:

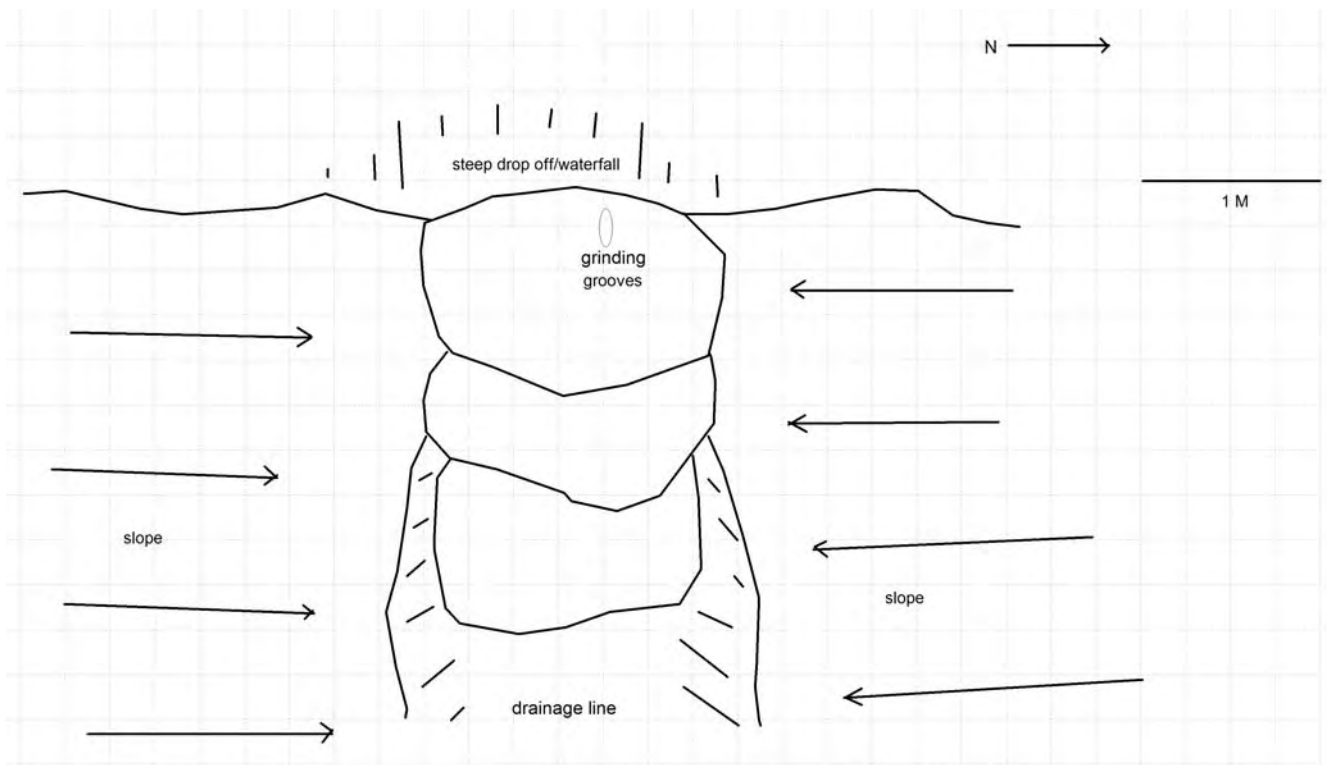
Groove #	Groove Length (mm)	Groove Width (mm)	Groove Depth (mm)	Comments
1	300	90	20	u-shaped

Additional Comments:

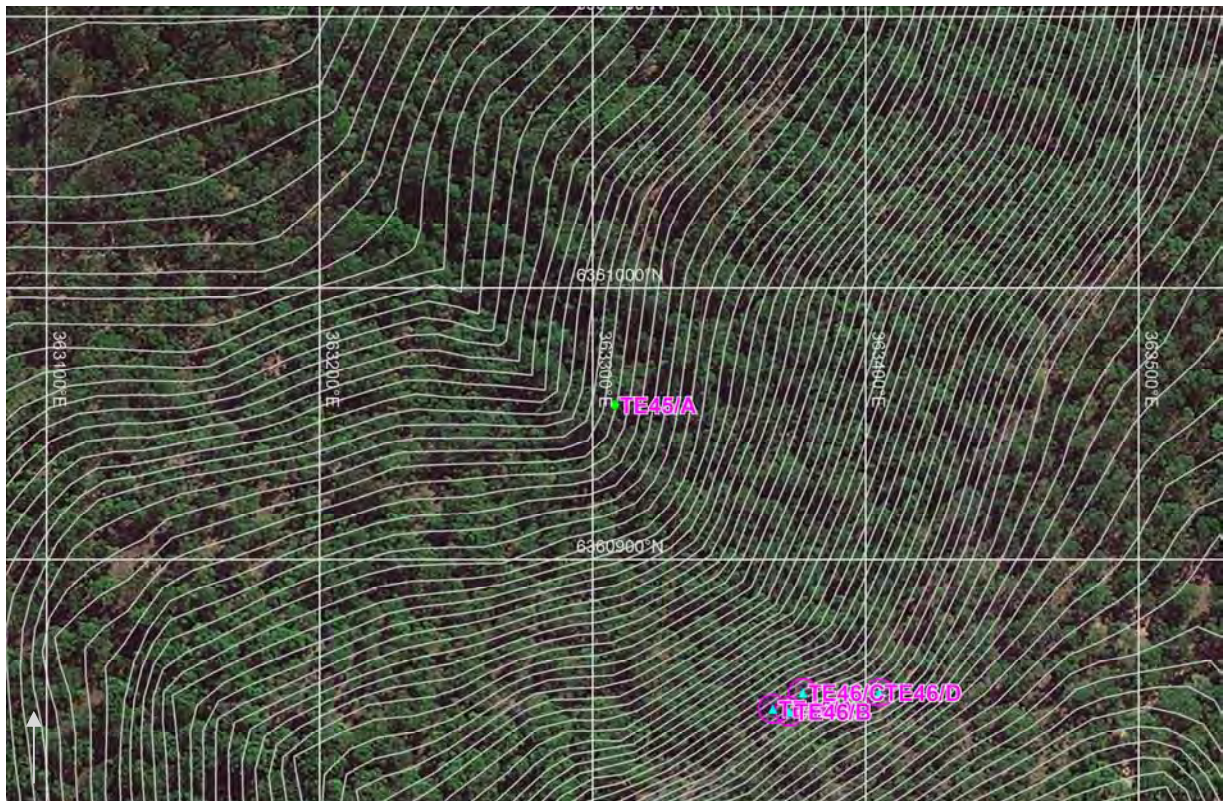
- ☐ Single groove above steep drop.



# Site Plan: Tasman Extension 45/A



# Site Location: Tasman Extension 45/A





Photograph: Tasman Extension 45/A





## SITE NAME: TASMAN EXTENSION 46/A

Site Type:	<i>Rock shelter with PAD</i>	MGA Grid Reference:	<i>363366:6360845</i>
Date Recorded:	<i>15/9/11</i>	Topographic Map:	<i>Wallsend 9232-3S</i>
Recorder:	<i>Stephen Free</i>		

Landform Element:	<i>Simple slope</i>	Vegetation:	<i>Forest</i>
Slope:	<i>Steep</i>	Ground Disturbance:	<i>Low</i>
Distance to Water:	<i>&gt;50</i>		

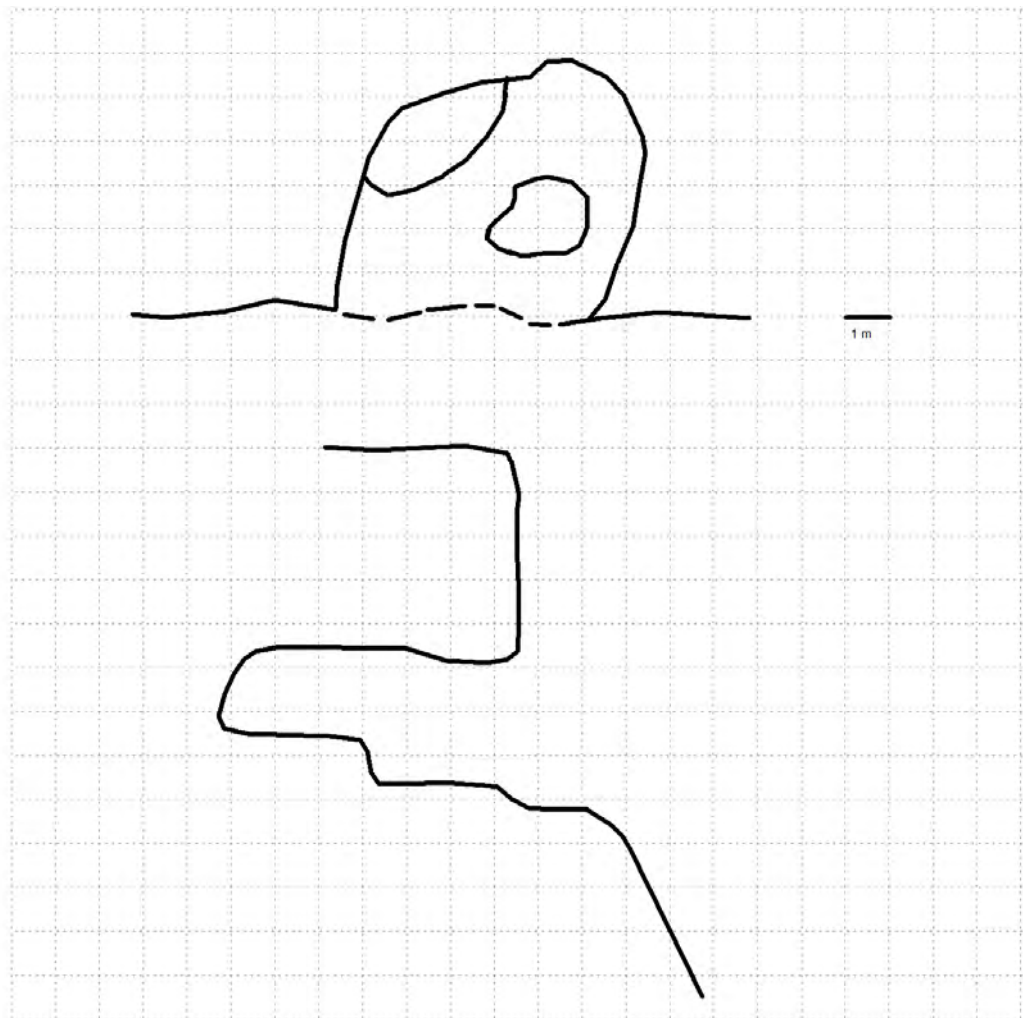
Rock Outcrop Material:	<i>Sandstone</i>
Outcrop Type:	<i>Rock shelter</i>
Outcrop Form:	<i>Cliff</i>
Aspect:	
Erosion:	<i>Cavernous</i>
Surface Condition:	<i>Stable</i>
Soil:	
Disturbance to Deposit:	<i>Low</i>
Causes of Disturbance:	<i>Erosion</i>

Possible Extent of Potential Archaeological Deposit:	<i>7 x 4m</i>
Possible Depth of Potential Archaeological Deposit:	<i>0.20 metres</i>
# of Artefacts:	<i>0</i>
Visible Extent of Artefacts:	<i>n/a</i>
Archaeological Visibility:	<i>100%</i>
Shelter Floor Area:	<i>7 x 5 metres</i>
Habitable Shelter Area (roof 1+ metres above floor):	

### Additional Comments:

- ☐ Split level, height at entrance 2.5m;
- ☐ Marginally east of investigation area.

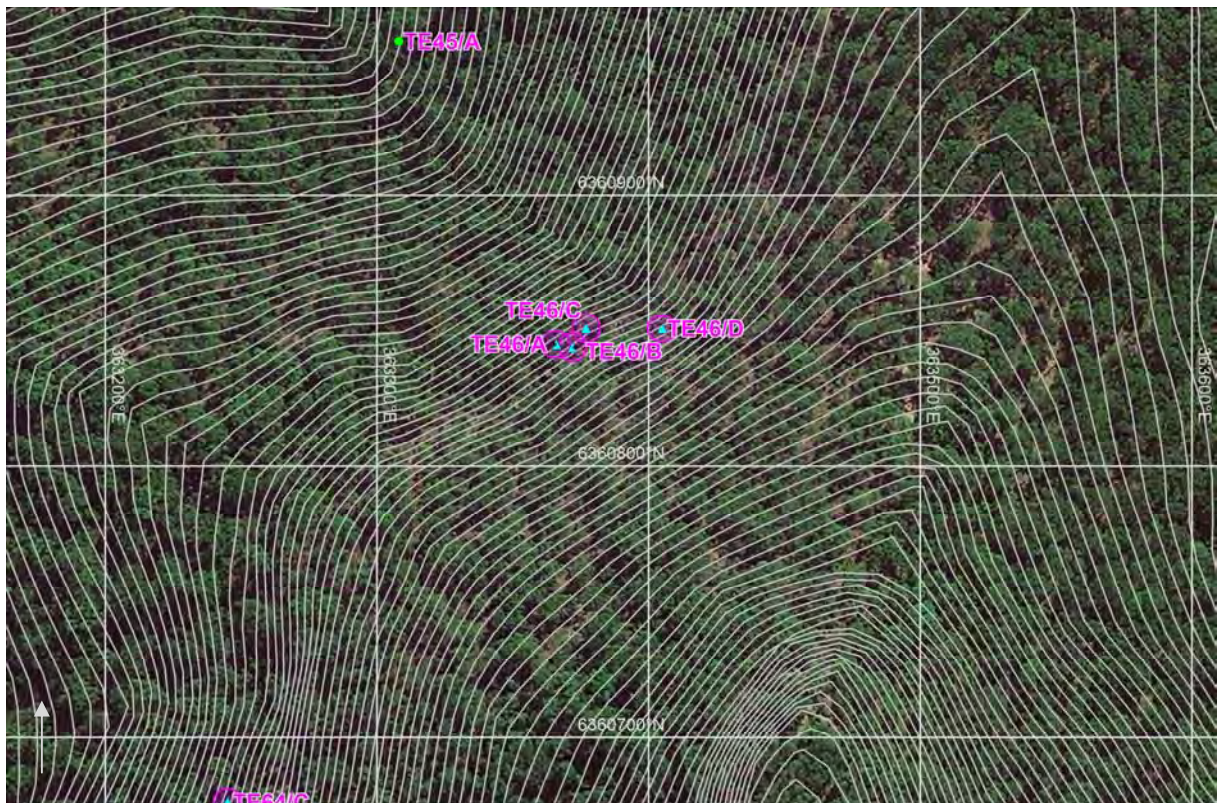
Site plan and cross-section: Tasman Extension 46/A



KEY: Back wall at floor \_\_\_\_\_ Dripline ..... Deposit/PAD 



Site Location: Tasman Extension 46/A



Photograph: Tasman Extension 46/A



## SITE NAME: TASMAN EXTENSION 46/B

Site Type: *Rock shelter with PAD*      MGA Grid Reference: *363372:6360844*  
Date Recorded: *15/9/11*      Topographic Map: *Wallsend 9232-3S*  
Recorder: *Stephen Free*

Landform Element: *Simple slope*      Vegetation: *Forest*  
Slope: *Steep*      Ground Disturbance: *Low*  
Distance to Water: *>50*

Rock Outcrop Material: *Sandstone*  
Outcrop Type: *Rock shelter*  
Outcrop Form: *Scarp*  
Aspect:  
Erosion: *Cavernous*  
Surface Condition: *Stable*  
Soil: *Silt, sand*  
Disturbance to Deposit: *Low*  
Causes of Disturbance: *Erosion*

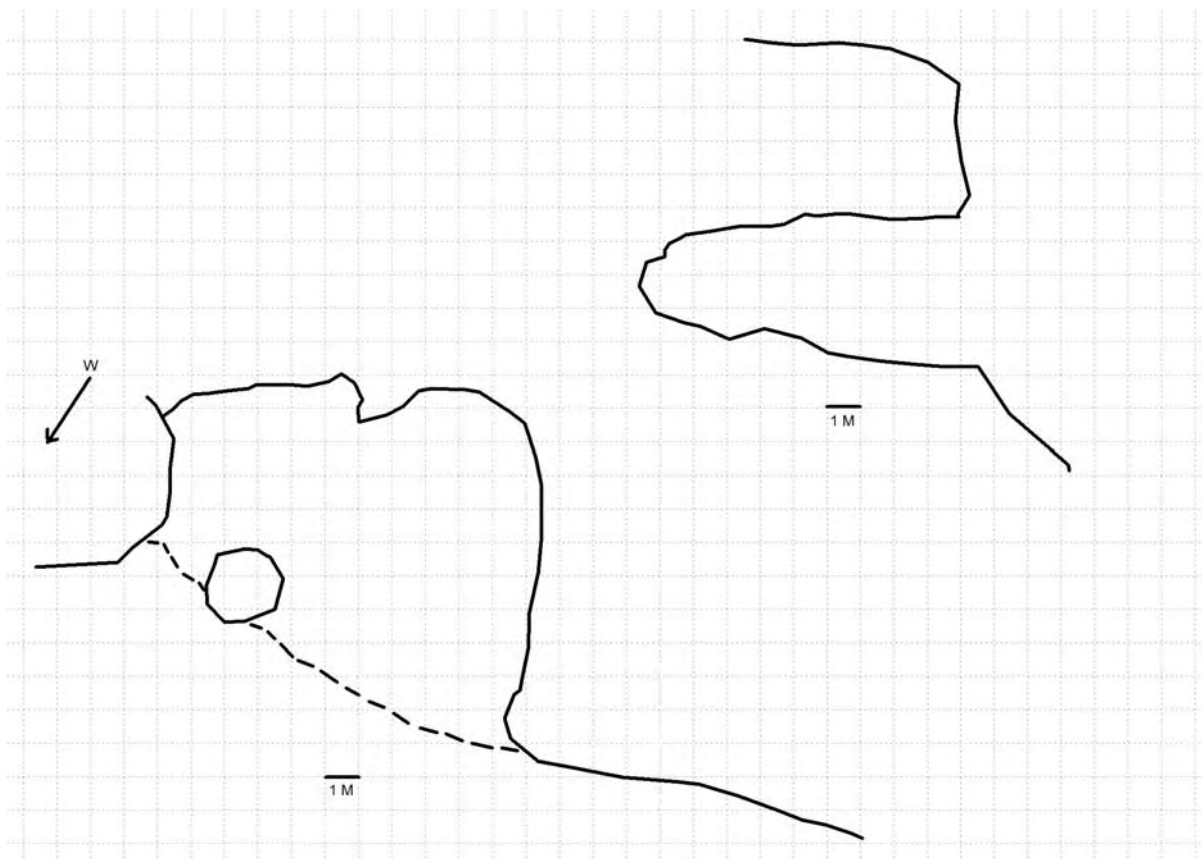
Possible Extent of Potential Archaeological Deposit: *10 x 8m*  
Possible Depth of Potential Archaeological Deposit: *0.20 metres*  
# of Artefacts: *0*  
Visible Extent of Artefacts: *n/a*  
Archaeological Visibility:  
Shelter Floor Area: *12 x 10 metres*  
Habitable Shelter Area (roof 1+ metres above floor):

### Additional Comments:

- ☐ Height at entrance 3 metres;
- ☐ Marginally east of investigation area.

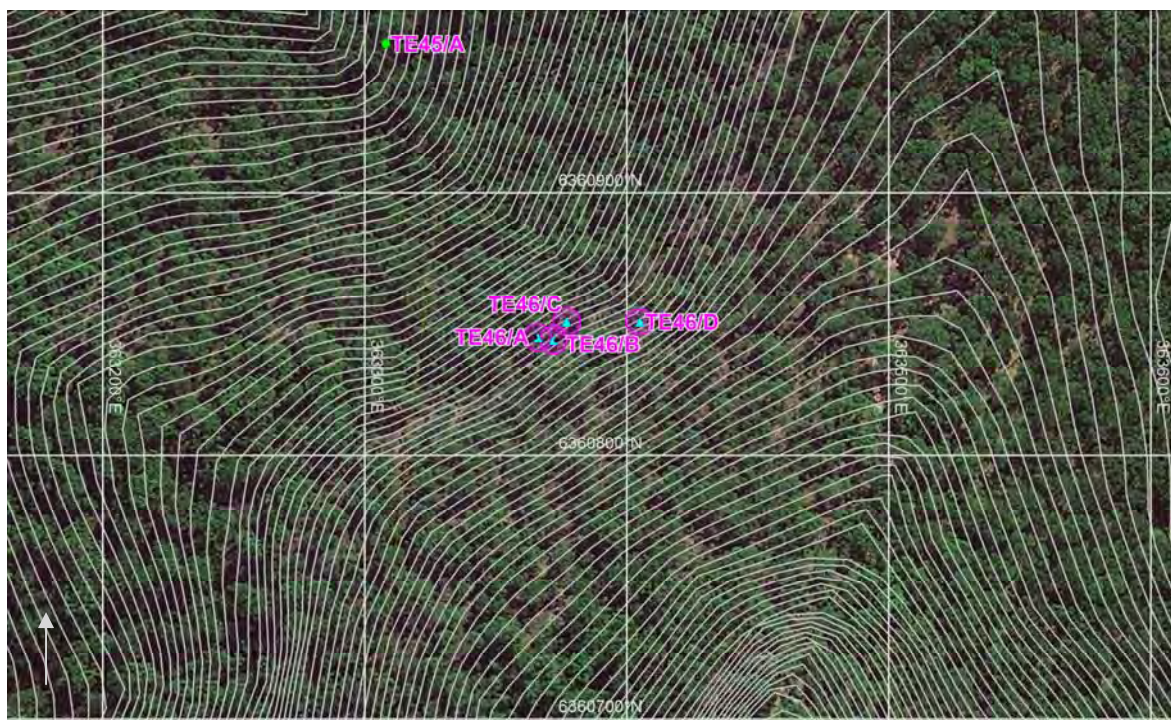


# Site plan and cross-section: Tasman Extension 46/B



KEY: Back wall at floor \_\_\_\_\_ Dripline ..... Deposit/PAD 

## Site Location: Tasman Extension 46/B





Photograph: Tasman Extension 46/B





## SITE NAME: TASMAN EXTENSION 46/C

Site Type:	Rock shelter with PAD	MGA Grid Reference:	363377:6360851
Date Recorded:	15/9/11	Topographic Map:	Wallsend 9232-3S
Recorder:	Stephen Free		

Landform Element:	Simple slope	Vegetation:	Forest
Slope:	Steep	Ground Disturbance:	Low
Distance to Water:	>50		

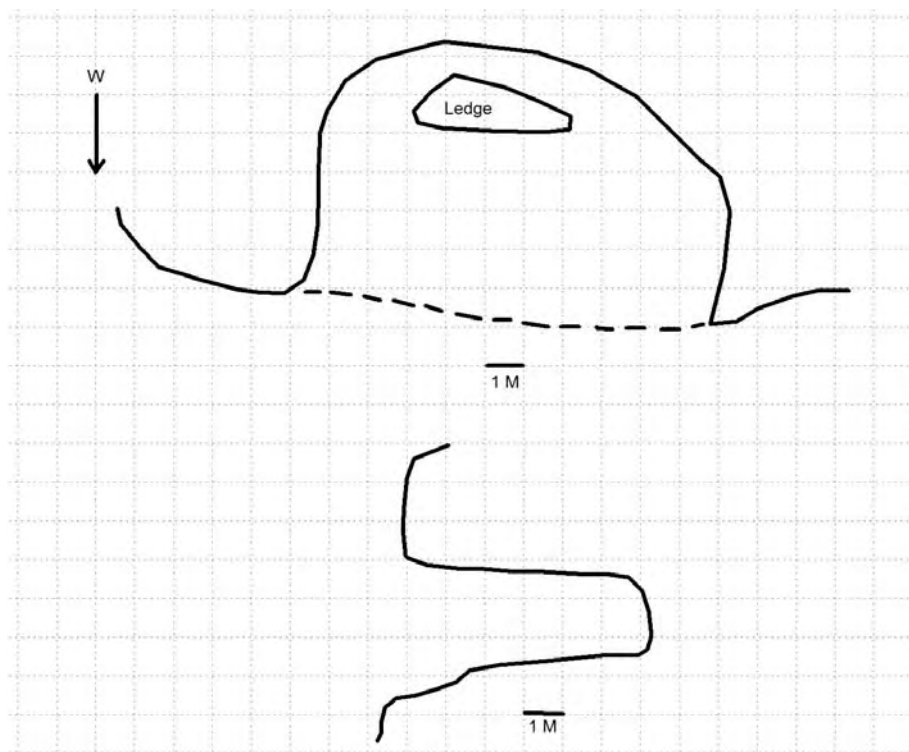
Rock Outcrop Material:	Sandstone
Outcrop Type:	Rock shelter
Outcrop Form:	Scarp
Aspect:	
Erosion:	Cavernous
Surface Condition:	Stable
Soil:	Silt, sand
Disturbance to Deposit:	Low
Causes of Disturbance:	Erosion

Possible Extent of Potential Archaeological Deposit:	5 x 6m
Possible Depth of Potential Archaeological Deposit:	0.5 metres
# of Artefacts:	0
Visible Extent of Artefacts:	-
Archaeological Visibility:	
Shelter Floor Area:	7 x 6 metres
Habitable Shelter Area (roof 1+ metres above floor):	

### Additional Comments:

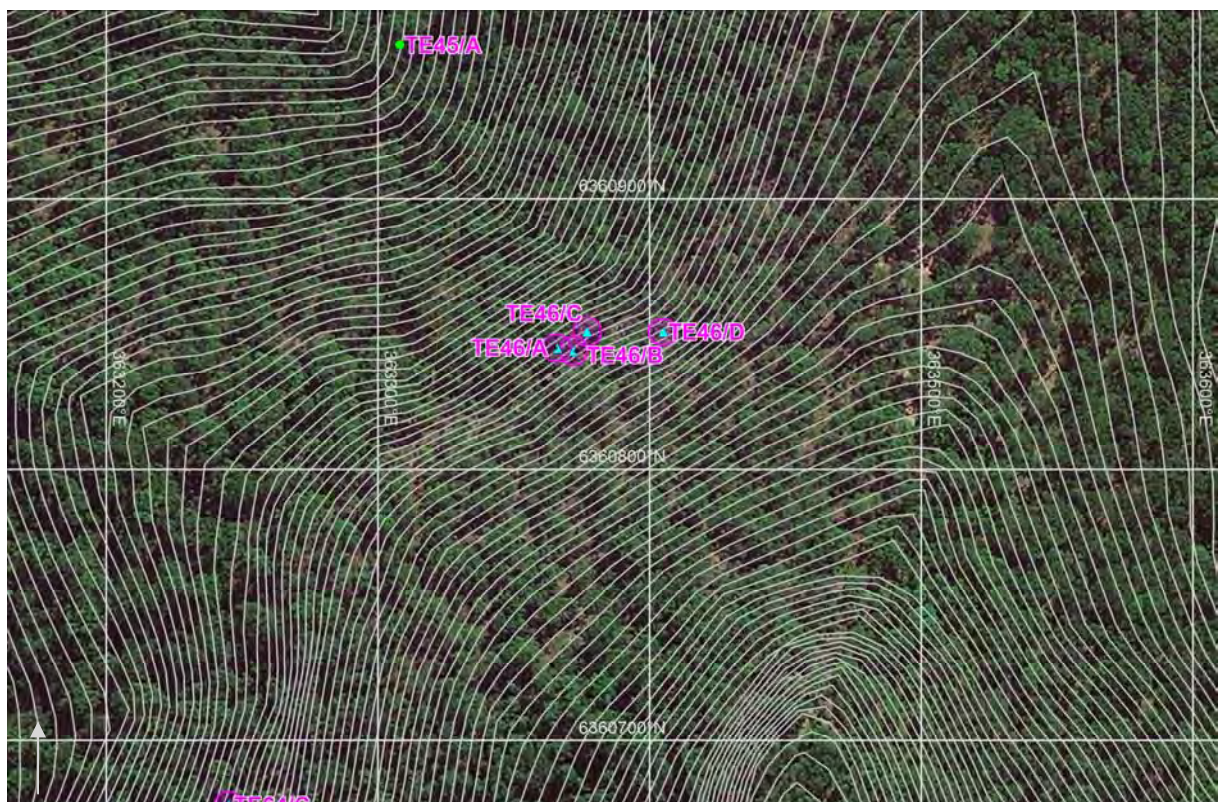
- ☐ Height at entrance 2.5m;
- ☐ Marginally east of investigation area;
- ☐ Nearby overhang.

# Site plan and cross-section: Tasman Extension 46/C



KEY: Back wall at floor \_\_\_\_\_ Dripline ..... Deposit/PAD 

## Site Location: Tasman Extension 46/C





Photograph: Tasman Extension 46/C



## SITE NAME: TASMAN EXTENSION 46/D

Site Type:	Rock shelter with PAD	MGA Grid Reference:	363405:6360851
Date Recorded:	15/9/11	Topographic Map:	Wallsend 9232-3S
Recorder:	Stephen Free		

Landform Element:	Simple slope	Vegetation:	Forest
Slope:	Steep	Ground Disturbance:	Low
Distance to Water:	>50		

Rock Outcrop Material:	Sandstone
Outcrop Type:	Rock shelter
Outcrop Form:	Scarp
Aspect:	
Erosion:	Cavernous
Surface Condition:	Stable
Soil:	Silt, sand
Disturbance to Deposit:	Low
Causes of Disturbance:	Erosion

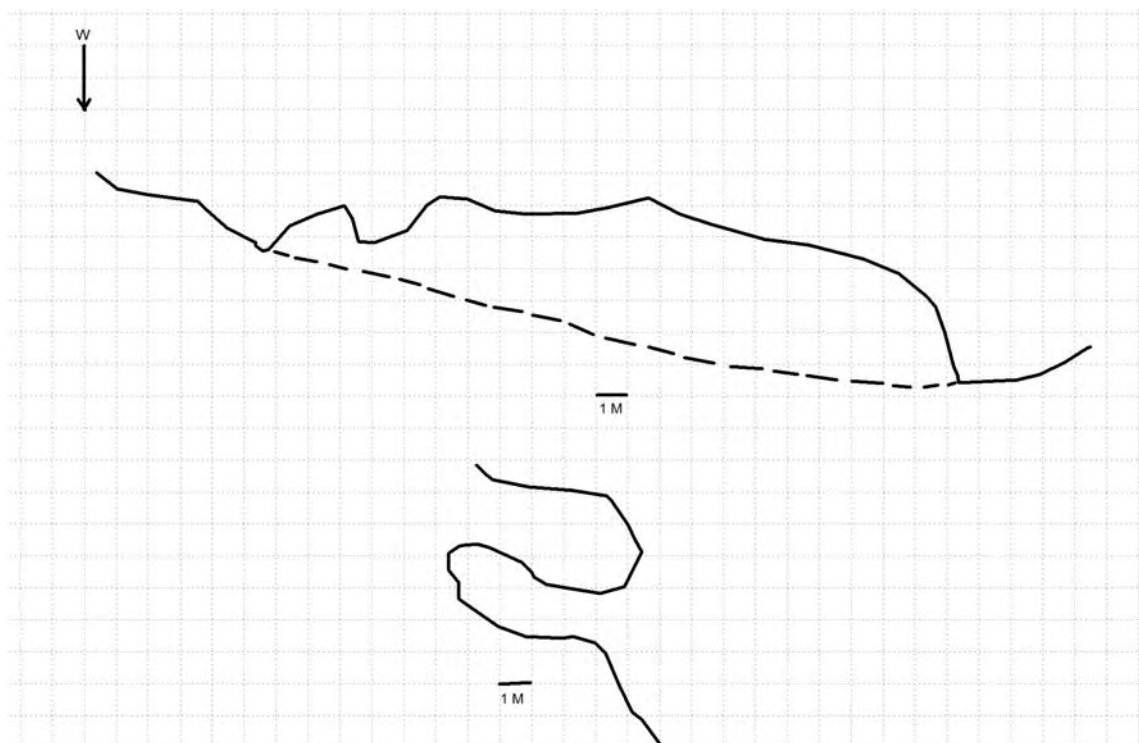
Possible Extent of Potential Archaeological Deposit:	14 x 3m
Possible Depth of Potential Archaeological Deposit:	0.40 metres
# of Artefacts:	0
Visible Extent of Artefacts:	-
Archaeological Visibility:	
Shelter Floor Area:	20 x 5 metres
Habitable Shelter Area (roof 1+ metres above floor):	

Additional Comments:

- ☐ Height 1.5m;
- ☐ Marginally east of investigation area.

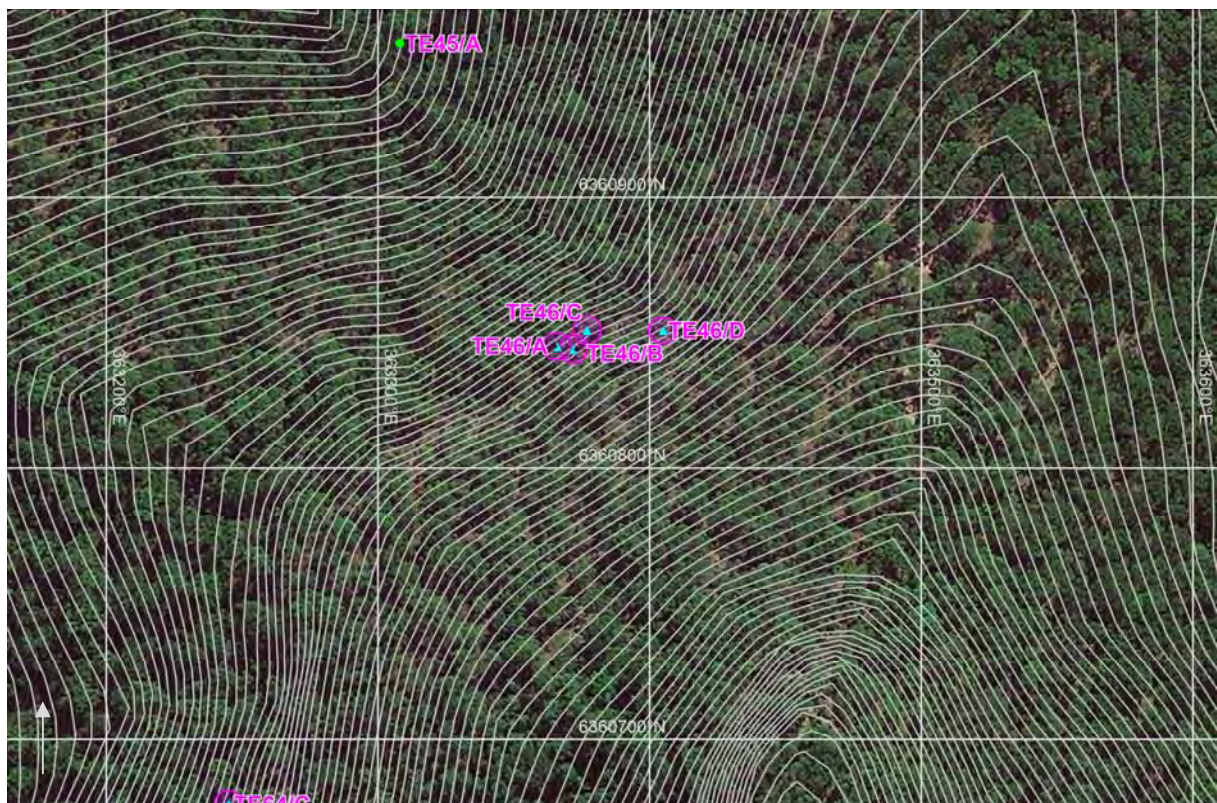


# Site plan and cross-section: Tasman Extension 46/D



KEY: Back wall at floor \_\_\_\_\_ Dripline ..... Deposit/PAD 

## Site Location: Tasman Extension 46/D





Photograph: Tasman Extension 46/D





## SITE NAME: TASMAN EXTENSION 50/A

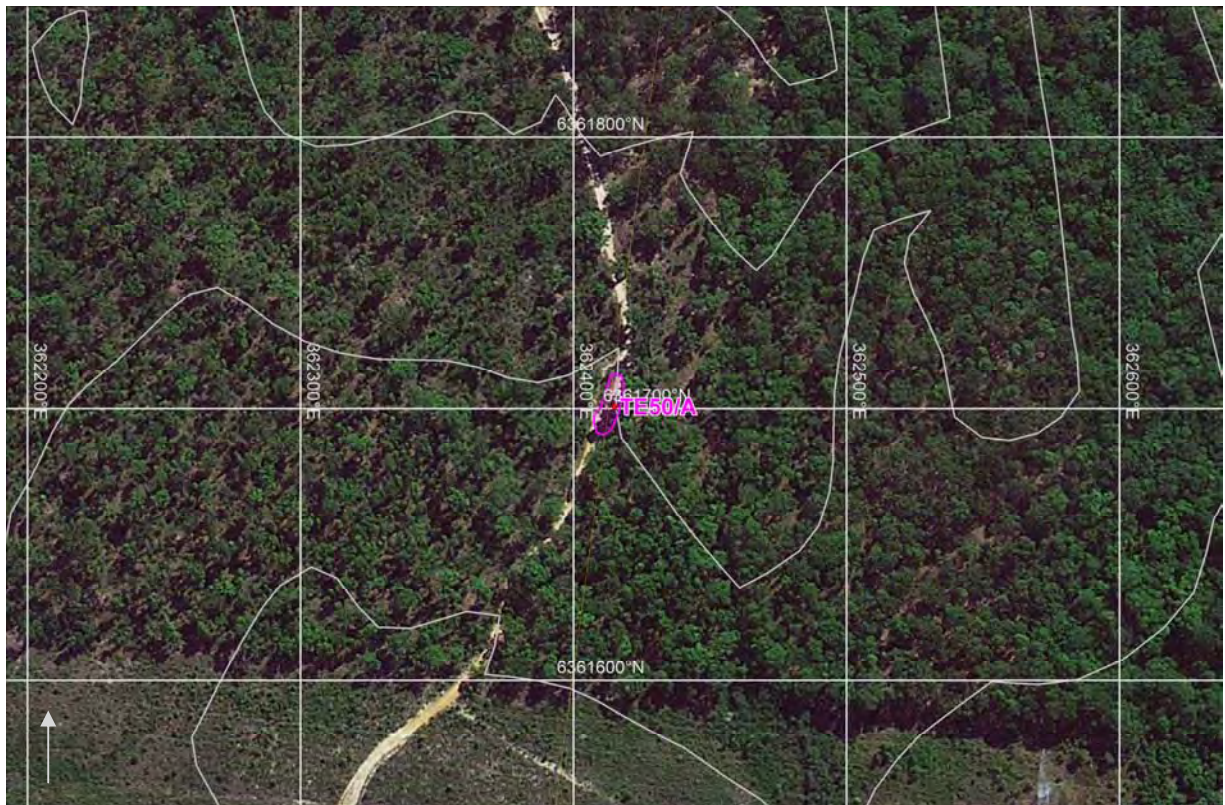
Site Type:	Artefact scatter	MGA Grid Reference:	362415:6361701
Date Recorded:	14/9/11	Topographic Map:	Beresfield 9232-3N
Recorder:	Leigh Bate		
Landform Element:	Simple slope	Vegetation:	Forested
Slope:	Level-very gentle	Ground Disturbance:	High
Distance to Water:	>50		

Visible Extent of Surface Exposures: Length (m)	Visible Extent of Surface Exposures: Width (m)	Visible Extent of Evidence: Length (m)	Visible Extent of Evidence: Width (m)	Visible Locus Area (m <sup>2</sup> )	Mean Surface Visibility of Locus (%)	Mean Arch. Visibility of Locus (%)	Effective Locus Area (m <sup>2</sup> )	# of Artefacts	# of Artefacts per m <sup>2</sup> of Effective Locus Area	Sub- Surface Deposit
varies	varies	16	4	64	80%	80%	51	3	0.058	possible

### Additional Comments:

- ☐ Artefacts located on access track;
- ☐ 2 silcrete flake portions and 1 silcrete core;
- ☐ Possible sub-surface deposit adjacent to track, but low research potential.

Site Location: Tasman Extension 50/A



Photograph: Tasman Extension 50/A (inset - artefacts)





## SITE NAME: TASMAN EXTENSION 51/A

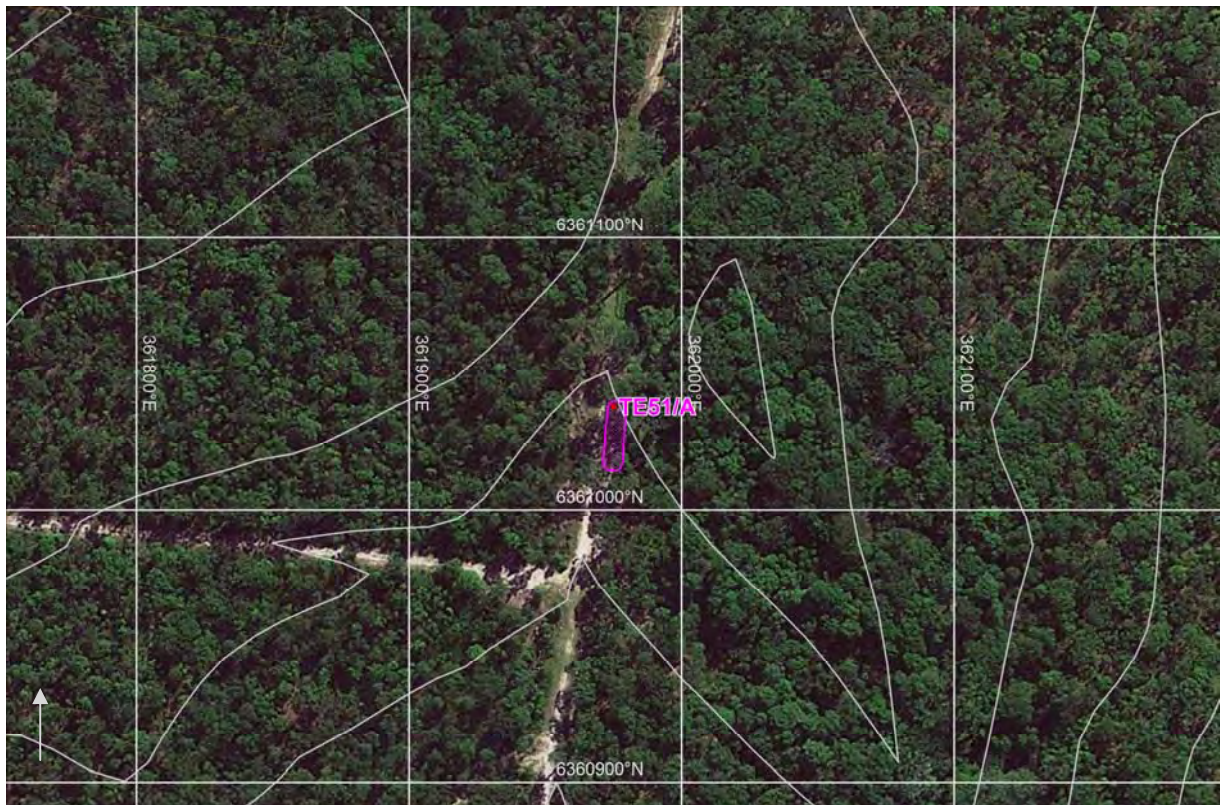
Site Type:	Artefact scatter	MGA Grid Reference:	361975:6361038
Date Recorded:	18/10/11	Topographic Map:	Wallsend 9232-3S
Recorder:	Leigh Bate		
Landform Element:	Flat	Vegetation:	Forested
Slope:	Level-very gentle	Ground Disturbance:	High
Distance to Water:	>50		

Visible Extent of Surface Exposures: Length (m)	Visible Extent of Surface Exposures: Width (m)	Visible Extent of Evidence: Length (m)	Visible Extent of Evidence: Width (m)	Visible Locus Area (m <sup>2</sup> )	Mean Surface Visibility of Locus (%)	Mean Arch. Visibility of Locus (%)	Effective Locus Area (m <sup>2</sup> )	# of Artefacts	# of Artefacts per m <sup>2</sup> of Effective Locus Area	Sub- Surface Deposit
varies	varies	15	3	45	90	30	13.5	5	0.37	possible

### Additional Comments:

- ☐ Site located on access track;
- ☐ 2 silcrete lithic fragments, 1 tuff lithic fragment, 1 silcrete core and 1 tuff flake portion.

Site Location: Tasman Extension 51/A



Photograph: Tasman Extension 51A





## SITE NAME: TASMAN EXTENSION 53/A

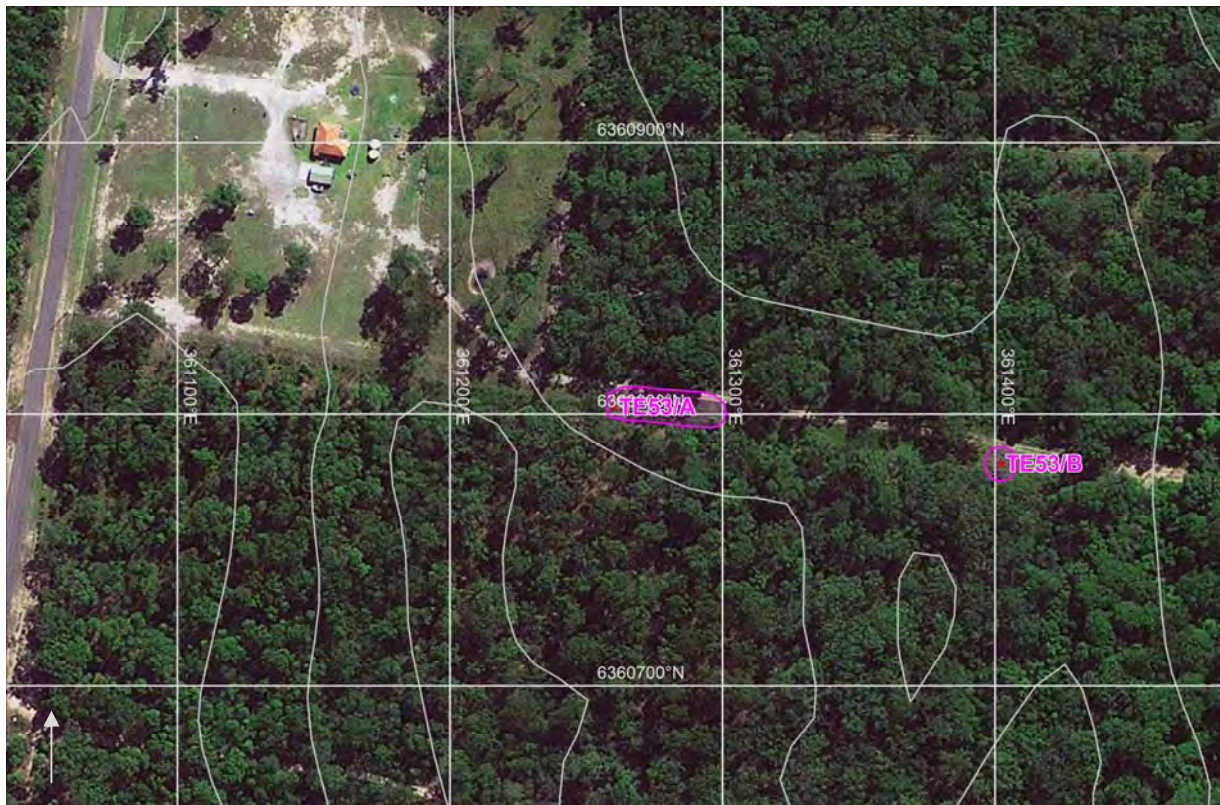
Site Type:	Artefact scatter	MGA Grid Reference:	361260:6360803
Date Recorded:	17/10/11	Topographic Map:	Wallsend 9232-3S
Recorder:	Stephen Free		
Landform Element:	Simple slope	Vegetation:	Forested
Slope:	Level-very gentle	Ground Disturbance:	High
Distance to Water:	>50		

Visible Extent of Surface Exposures: Length (m)	Visible Extent of Surface Exposures: Width (m)	Visible Extent of Evidence: Length (m)	Visible Extent of Evidence: Width (m)	Visible Locus Area (m <sup>2</sup> )	Mean Surface Visibility of Locus (%)	Mean Arch. Visibility of Locus (%)	Effective Locus Area (m <sup>2</sup> )	# of Artefacts	# of Artefacts per m <sup>2</sup> of Effective Locus Area	Sub- Surface Deposit
5	2	5	2	10	75	75	7.5	8	1.067	possible

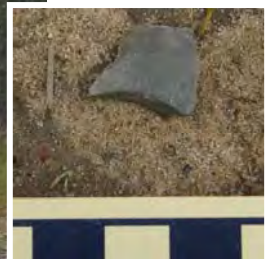
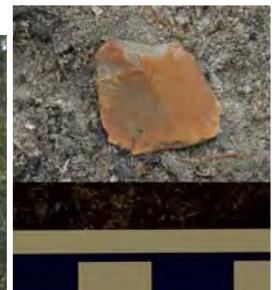
### Additional Comments:

- ☐ Site located on access track;
- ☐ 1 tuff flake, 1 tuff flake portion, 1 silcrete flake and 5 silcrete lithic fragments.

Site Location: Tasman Extension 53/A



Photograph: Tasman Extension 53/A (inset - two artefacts)





## SITE NAME: TASMAN EXTENSION 53/B

Site Type:	Isolated artefact	MGA Grid Reference:	361402:6360782
Date Recorded:	17/10/11	Topographic Map:	Wallsend 9232-3S
Recorder:	Stephen Free		
Landform Element:	Simple slope	Vegetation:	Forested
Slope:	Level-very gentle	Ground Disturbance:	High
Distance to Water:	>50		

Visible Extent of Surface Exposures: Length (m)	Visible Extent of Surface Exposures: Width (m)	Visible Extent of Evidence: Length (m)	Visible Extent of Evidence: Width (m)	Visible Locus Area (m <sup>2</sup> )	Mean Surface Visibility of Locus (%)	Mean Arch. Visibility of Locus (%)	Effective Locus Area (m <sup>2</sup> )	# of Artefacts	# of Artefacts per m <sup>2</sup> of Effective Locus Area	Sub- Surface Deposit
2	1	1	1	1	60	60	0.6	1	1.667	possible

### Additional Comments:

- ☐ Site located on access track;
- ☐ Silcrete flake.

Site Location: Tasman Extension 53/B



Photograph: Tasman Extension 53/B (inset - silcrete flake)





## SITE NAME: TASMAN EXTENSION 56/A

Site Type:	<i>Isolated artefact</i>	MGA Grid Reference:	<i>361918: 6360705</i>
Date Recorded:	<i>18/10/11</i>	Topographic Map:	<i>Wallsend 9232-3S</i>
Recorder:	<i>Leigh Bate</i>		
Landform Element:	<i>Simple slope</i>	Vegetation:	<i>Forested</i>
Slope:	<i>Level-very gentle</i>	Ground Disturbance:	<i>High</i>
Distance to Water:	<i>&gt;50</i>		

Visible Extent of Surface Exposures: Length (m)	Visible Extent of Surface Exposures: Width (m)	Visible Extent of Evidence: Length (m)	Visible Extent of Evidence: Width (m)	Visible Locus Area (m <sup>2</sup> )	Mean Surface Visibility of Locus (%)	Mean Arch. Visibility of Locus (%)	Effective Locus Area (m <sup>2</sup> )	# of Artefacts	# of Artefacts per m <sup>2</sup> of Effective Locus Area	Sub- Surface Deposit
varies	varies	1	1	1	90	30	0.3	1	3.333	possible

### Additional Comments:

- ☐ Site located on access track;
- ☐ Silcrete lithic fragment.

Site Location: Tasman Extension 56/A



Photograph: Tasman Extension 56/A (inset - silcrete lithic fragment)





## SITE NAME: TASMAN EXTENSION 56/B

Site Type:	Artefact scatter	MGA Grid Reference:	361596:6360752
Date Recorded:	17/10/11	Topographic Map:	Wallsend 9232-3S
Recorder:	Stephen Free		
Landform Element:	Simple slope	Vegetation:	Forested
Slope:	Level-very gentle	Ground Disturbance:	High
Distance to Water:	>50		

Visible Extent of Surface Exposures: Length (m)	Visible Extent of Surface Exposures: Width (m)	Visible Extent of Evidence: Length (m)	Visible Extent of Evidence: Width (m)	Visible Locus Area (m <sup>2</sup> )	Mean Surface Visibility of Locus (%)	Mean Arch. Visibility of Locus (%)	Effective Locus Area (m <sup>2</sup> )	# of Artefacts	# of Artefacts per m <sup>2</sup> of Effective Locus Area	Sub- Surface Deposit
2	1	2	1	2	75	75	1.5	2	1.333	possible

### Additional Comments:

- ☐ Site located on access track;
- ☐ 1 tuff core and 1 tuff flake.

Site Location: Tasman Extension 56/B



Photograph: Tasman Extension 56/B (inset - artefacts)





## SITE NAME: TASMAN EXTENSION 57/A

Site Type: *Open grinding groove*      MGA Grid Reference: *362663:6360550*  
 Date Recorded: *15/9/11*      Topographic Map: *Wallsend 9232-3S*  
 Recorder: *Leigh Bate*

Landform Element: *Drainage depression*      Vegetation: *Forest*  
 Slope: *Gentle*      Ground Disturbance: *Low*  
 Distance to Water: *<50*

Extent of Exposed Rock: *8 x 3m*  
 Extent of Grooves: *2 x 2m*  
 Rock Type: *Sandstone*  
 Rock Form: *Open surface*  
 Surface Condition: *Stable*  
 Disturbance: *Low*  
 Type of Disturbance: *Weathering, vegetation*

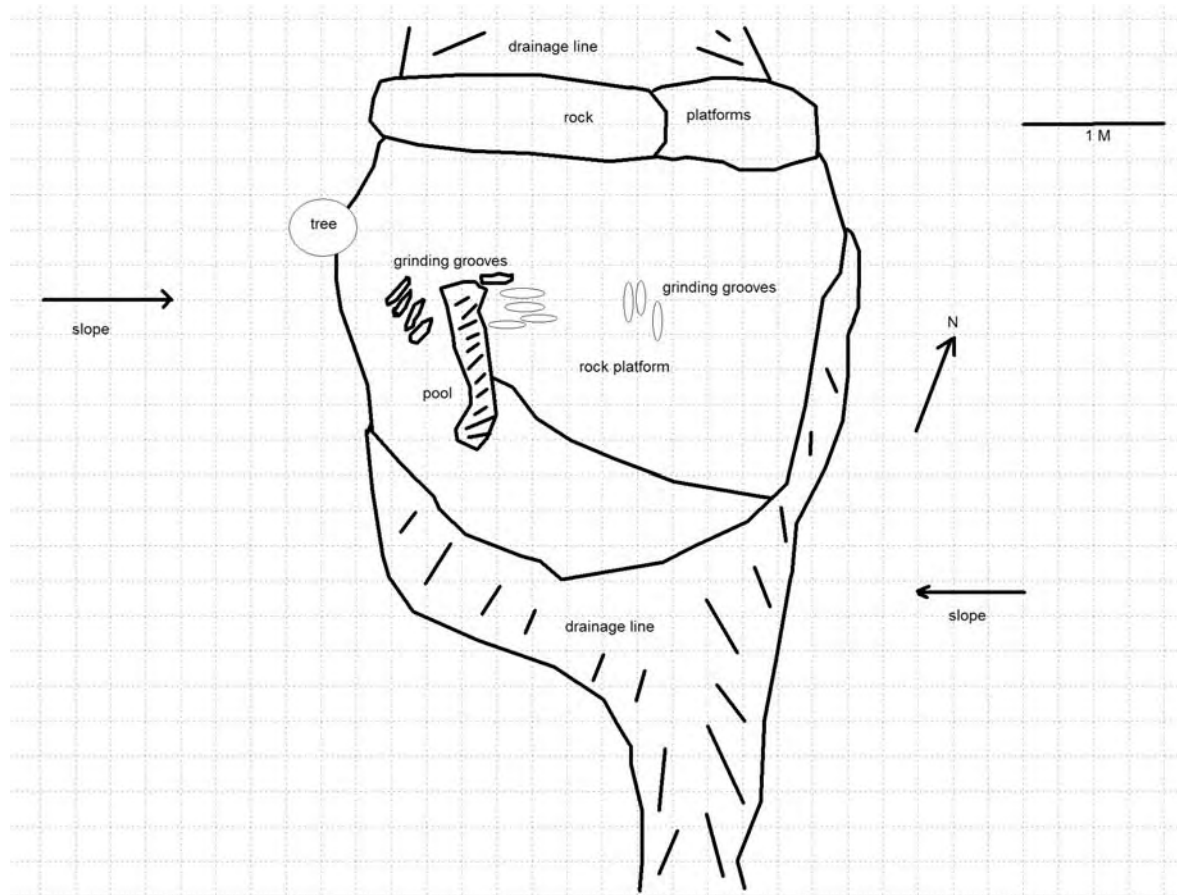
### Groove description:

Groove #	Groove Length (mm)	Groove Width (mm)	Groove Depth (mm)	Comments
1	260	60	20	u-shaped
2	270	80	30	u-shaped
3	300	90	30	u-shaped
4	280	80	50	u-shaped
5	300	90	40	u-shaped
6	260	90	40	u-shaped
7	240	50	40	u-shaped
8	230	80	40	u-shaped
9	290	90	50	u-shaped
10	300	70	30	u-shaped
11	260	80	40	u-shaped

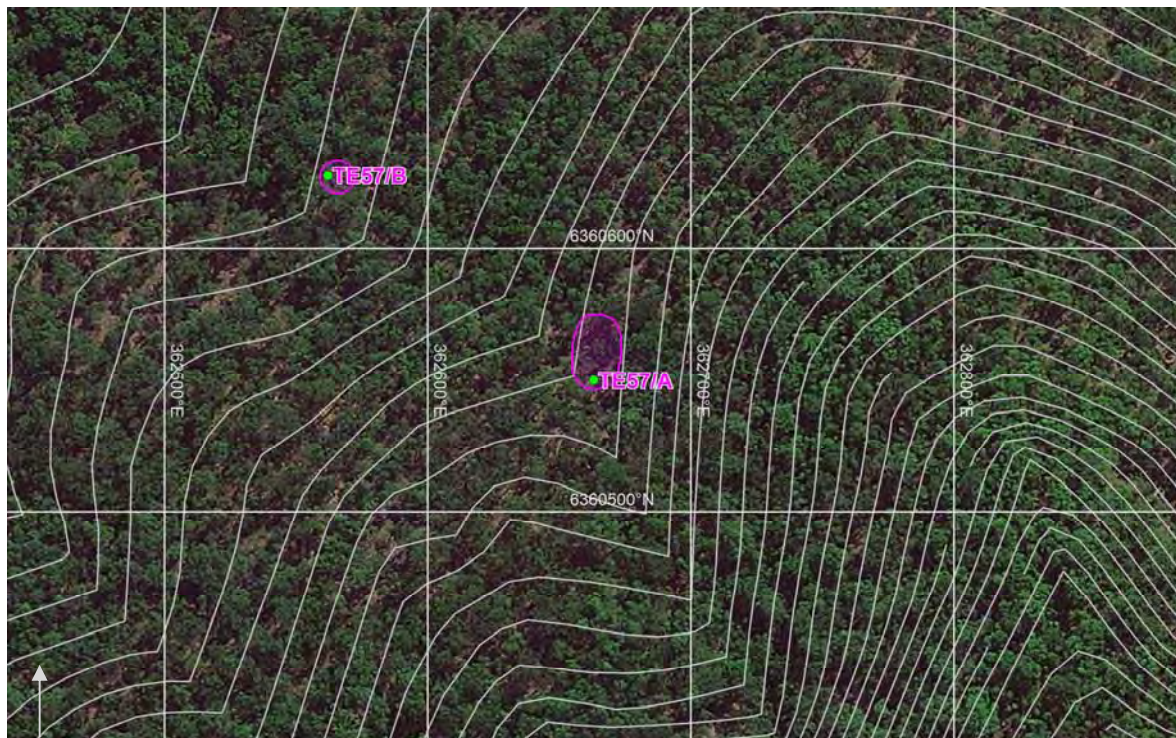
### Additional Comments:

- ☐ 11 grooves in drainage.

# Site Plan: Tasman Extension 57/A



## Site Location: Tasman Extension 57/A





Photograph: Tasman Extension 57/A



## SITE NAME: TASMAN EXTENSION 57/B

Site Type: *Open grinding groove*      MGA Grid Reference: *362562:6360628*  
 Date Recorded: *15/9/11*      Topographic Map: *Wallsend 9232-3S*  
 Recorder: *Leigh Bate*

Landform Element: *Drainage depression*      Vegetation: *Forest*  
 Slope: *Gentle*      Ground Disturbance: *Low*  
 Distance to Water: *<50*

Extent of Exposed Rock: *4 x 3m*  
 Extent of Grooves: *1 x 1m*  
 Rock Type: *Sandstone*  
 Rock Form: *Open surface*  
 Surface Condition: *Weathered*  
 Disturbance: *Low*  
 Type of Disturbance: *Vegetation*

Groove description:

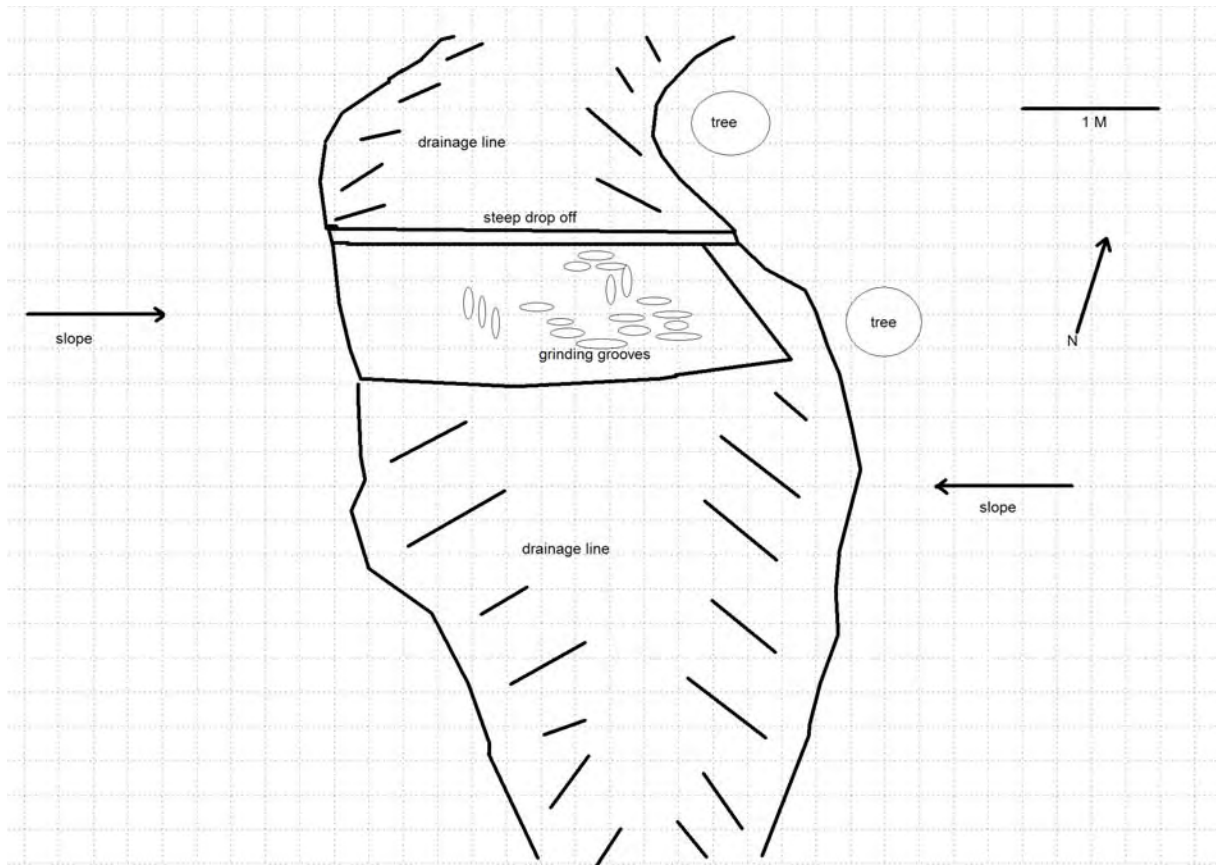
Groove #	Groove Length (mm)	Groove Width (mm)	Groove Depth (mm)	Comments
1	290	90	30	u-shaped
2	290	70	20	u-shaped
3	210	50	20	u-shaped
4	200	70	20	u-shaped
5	260	60	20	u-shaped
6	310	80	20	u-shaped
7	380	100	50	u-shaped
8	270	40	20	u-shaped
9	300	70	30	u-shaped
10	320	100	40	u-shaped
11	240	70	30	u-shaped
12	190	90	40	u-shaped
13	170	40	10	u-shaped
14	230	90	10	u-shaped
15	300	100	40	u-shaped
16	320	100	40	u-shaped
17	250	100	40	u-shaped

Additional Comments:

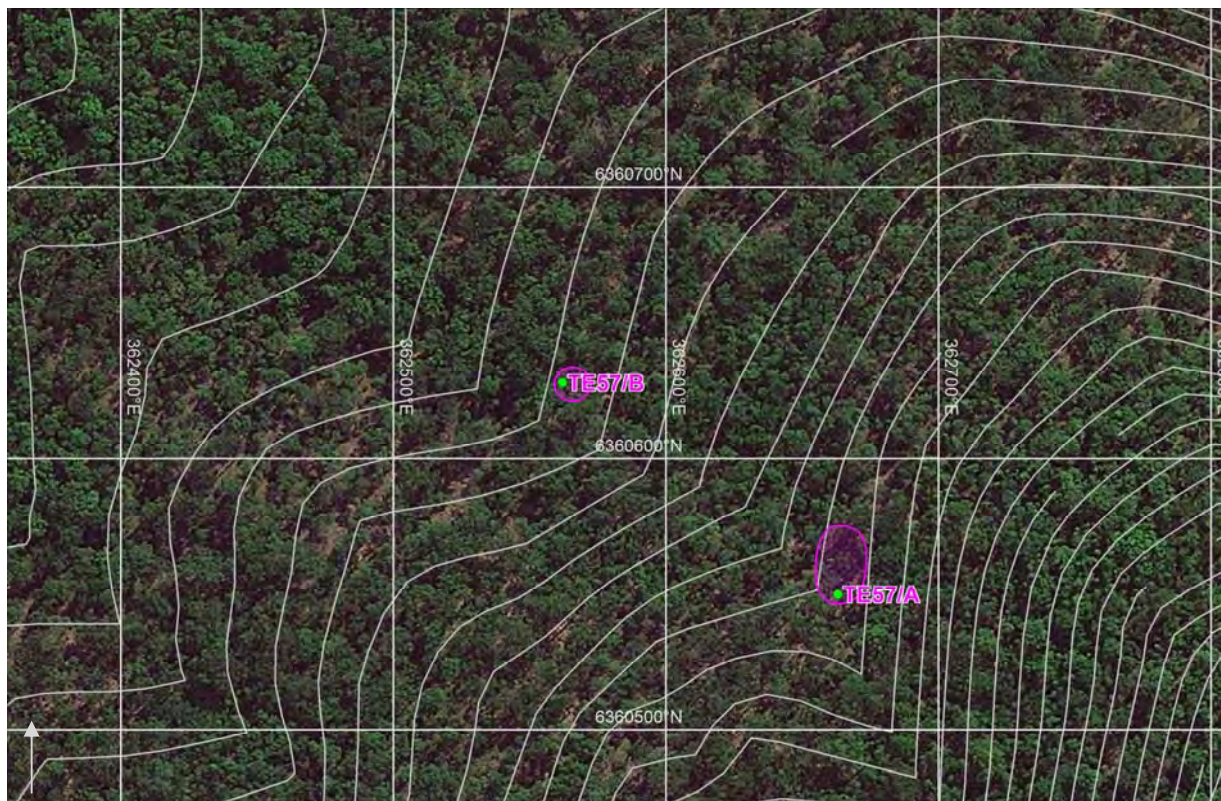
- ☐ 17 grooves in drainage depression.



# Site Plan: Tasman Extension 57/B



## Site Location: Tasman Extension 57/B





Photograph: Tasman Extension 57/B





## SITE NAME: TASMAN EXTENSION 64/A

Site Type: *Rock shelter with PAD* MGA Grid Reference: *363105:6360333*  
Date Recorded: *21/9/11* Topographic Map: *Wallsend 9232-3S*  
Recorder: *Leigh Bate*

Landform Element: *Simple slope* Vegetation: *Cleared*  
Slope: *Moderate* Ground Disturbance: *Low*  
Distance to Water: *>50*

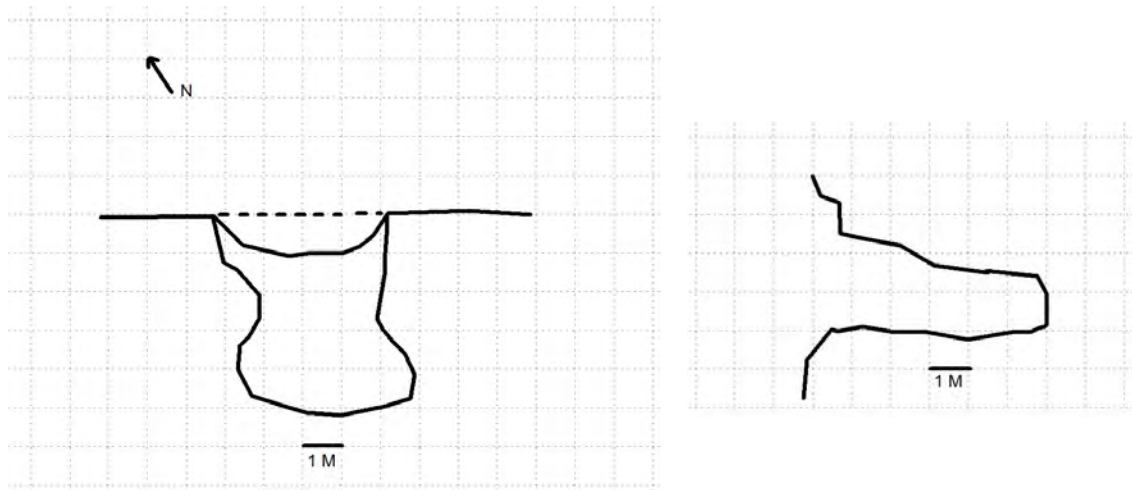
Rock Outcrop Material: *Sandstone*  
Outcrop Type: *Rock shelter*  
Outcrop Form: *Scarp*  
Aspect: *North East*  
Erosion: *Honeycomb*  
Surface Condition: *Exfoliating, exposed/weathered*  
Soil: *Silt, sand, gravel*  
Disturbance to Deposit: *Low*  
Causes of Disturbance: *Erosion*

Possible Extent of Potential Archaeological Deposit: *4 x 1 metres*  
Possible Depth of Potential Archaeological Deposit: *0.15 metres*  
# of Artefacts: *0*  
Visible Extent of Artefacts: *-*  
Archaeological Visibility:  
Shelter Floor Area: *4 x 5 metres*  
Habitable Shelter Area (roof 1+ metres above floor): *4 x 1 metres*

### Additional Comments:

- ☐ 193m above sea level;
- ☐ Very small shelter, low potential.

# Site plan and cross-section: Tasman Extension 64/A



KEY: Back wall at floor \_\_\_\_\_ Dripline ..... Deposit/PAD

## Site Location: Tasman Extension 64/A





Photograph: Tasman Extension 64/A



## SITE NAME: TASMAN EXTENSION 64/B

Site Type: *Rock shelter with PAD*      MGA Grid Reference: *362860:6360279*  
Date Recorded: *21/9/11*      Topographic Map: *Wallsend 9232-3S*  
Recorder: *Leigh Bate*

Landform Element: *Simple slope*      Vegetation: *Cleared*  
Slope: *Moderate*      Ground Disturbance: *Low*  
Distance to Water: *>50*

Rock Outcrop Material: *Sandstone*  
Outcrop Type: *Rock shelter*  
Outcrop Form: *Scarp*  
Aspect: *North East*  
Erosion: *Exfoliation*  
Surface Condition: *Exfoliating*  
Soil: *Silt, sand, gravel*  
Disturbance to Deposit: *Low*  
Causes of Disturbance: *Vegetation*

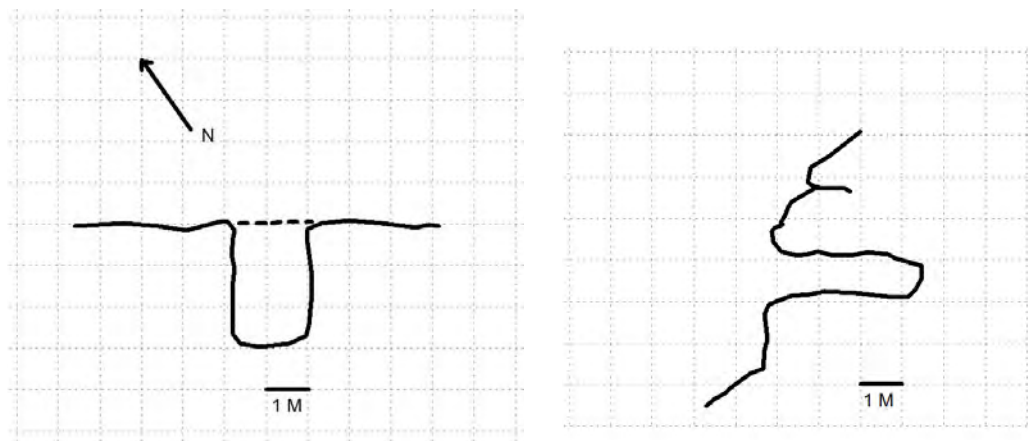
Possible Extent of Potential Archaeological Deposit: *<2 x 2 metres*  
Possible Depth of Potential Archaeological Deposit: *0.10 metres*  
# of Artefacts: *0*  
Visible Extent of Artefacts: *-*  
Archaeological Visibility:  
Shelter Floor Area: *2.6 x 2 metres*  
Habitable Shelter Area (roof 1+ metres above floor): *<2 x 2 metres*

### Additional Comments:

- ☐ 194m above sea level;
- ☐ Very small shelter, low potential.

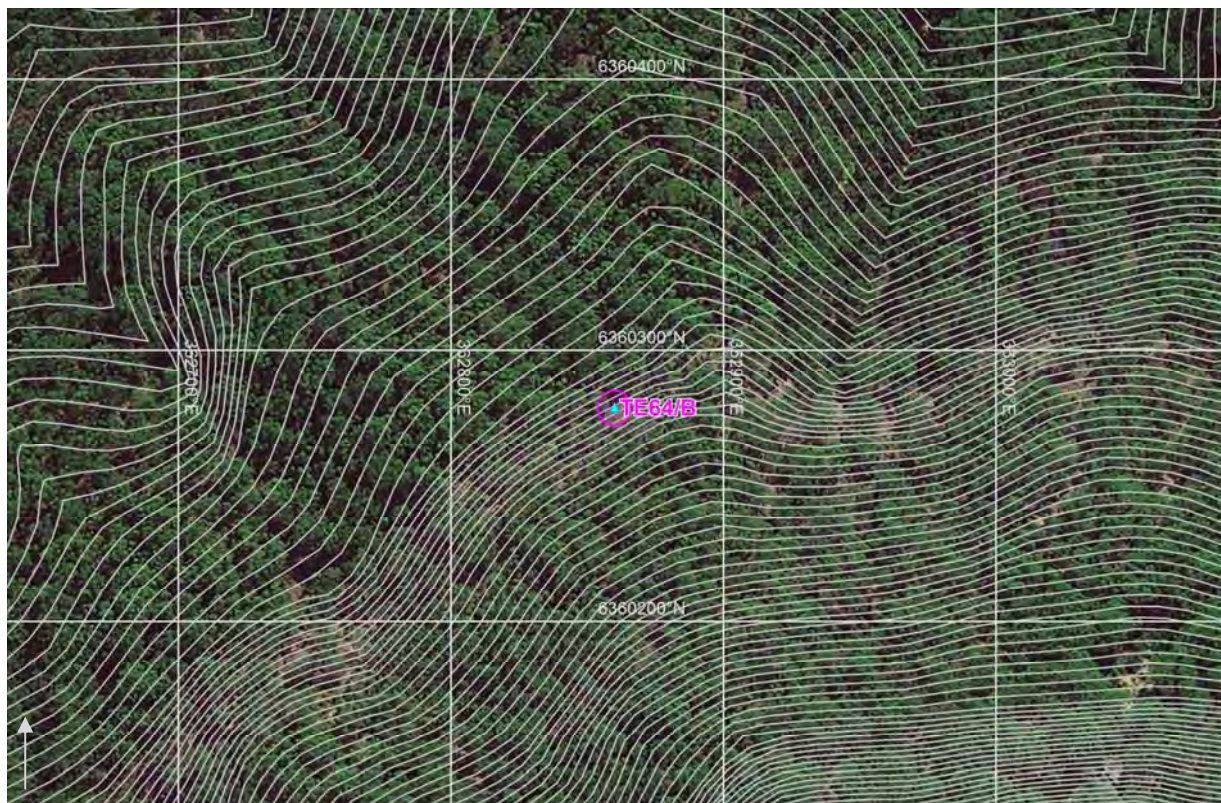


# Site plan and cross-section: Tasman Extension 64/B



KEY: Back wall at floor \_\_\_\_\_ Dripline ..... Deposit/PAD 

## Site Location: Tasman Extension 64/B





Photograph: Tasman Extension 64/B





## SITE NAME: TASMAN EXTENSION 64/C

Site Type:	Rock shelter with PAD	MGA Grid Reference:	363245:6360677
Date Recorded:	15/9/11	Topographic Map:	Wallsend 9232-3S
Recorder:	Stephen Free		

Landform Element:	Simple slope	Vegetation:	Forested
Slope:	Steep	Ground Disturbance:	Low
Distance to Water:	>50		

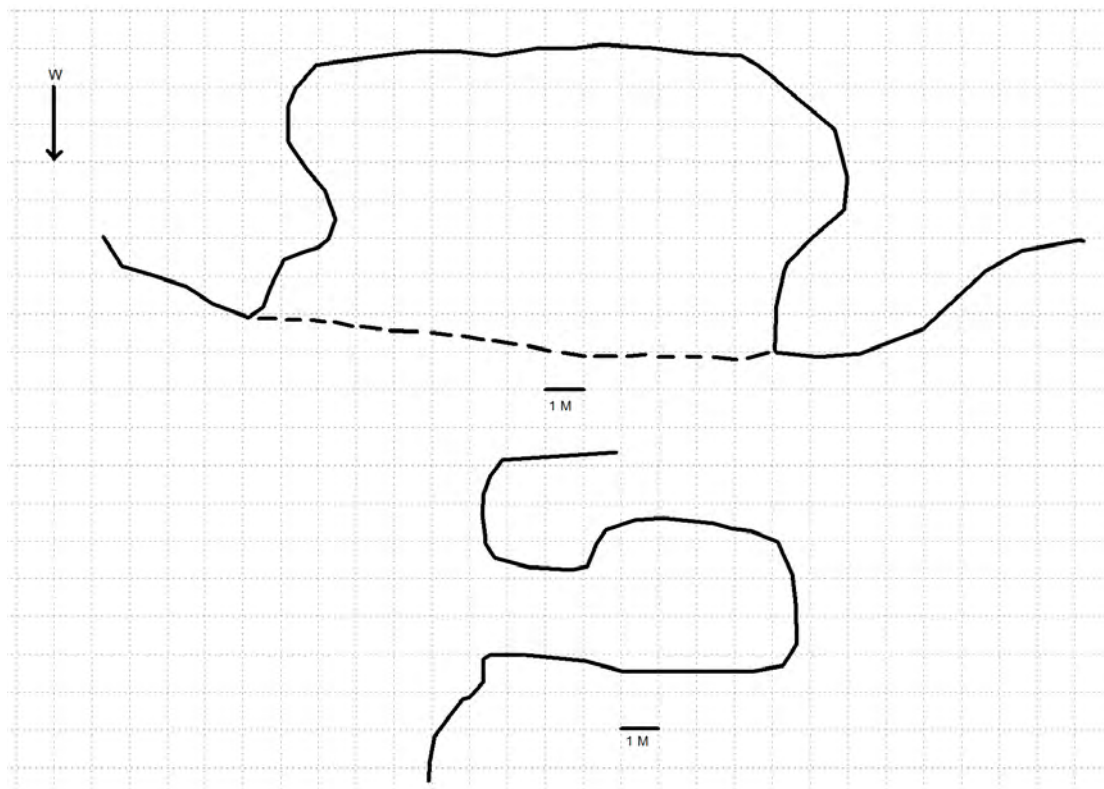
Rock Outcrop Material:	Sandstone
Outcrop Type:	Rock shelter
Outcrop Form:	Cliff
Aspect:	
Erosion:	Cavernous
Surface Condition:	Stable
Soil:	Silt, sand
Disturbance to Deposit:	Low
Causes of Disturbance:	Erosion

Possible Extent of Potential Archaeological Deposit:	12 x 6m
Possible Depth of Potential Archaeological Deposit:	0.20 metres
# of Artefacts:	0
Visible Extent of Artefacts:	n/a
Archaeological Visibility:	
Shelter Floor Area:	13 x 7 metres
Habitable Shelter Area (roof 1+ metres above floor):	

Additional Comments:

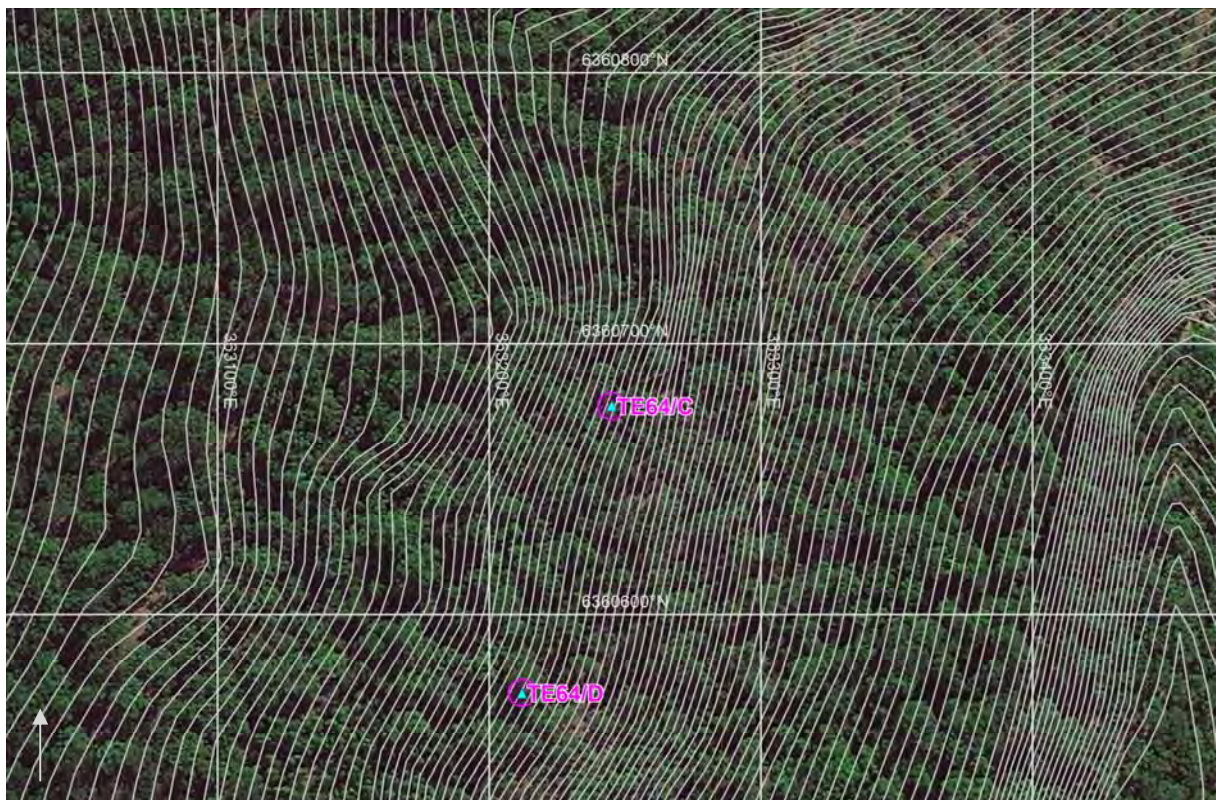
☐ Height 2.8m.

# Site plan and cross-section: Tasman Extension 64/C



KEY: Back wall at floor \_\_\_\_\_ Dripline ..... Deposit/PAD 

Site Location: Tasman Extension 64/C





Photograph: Tasman Extension 64/C



## SITE NAME: TASMAN EXTENSION 64/D

Site Type: *Rock shelter with PAD* MGA Grid Reference: *363212:6360571*  
Date Recorded: *15/9/11* Topographic Map: *Wallsend 9232-3S*  
Recorder: *Stephen Free*

Landform Element: *Simple slope* Vegetation: *Forested*  
Slope: *Steep* Ground Disturbance: *Low*  
Distance to Water: *>50*

Rock Outcrop Material: *Sandstone*  
Outcrop Type: *Rock shelter*  
Outcrop Form: *Cliff*  
Aspect:  
Erosion: *Cavernous*  
Surface Condition: *Stable*  
Soil: *Silt, sand*  
Disturbance to Deposit: *Low*  
Causes of Disturbance: *Erosion*

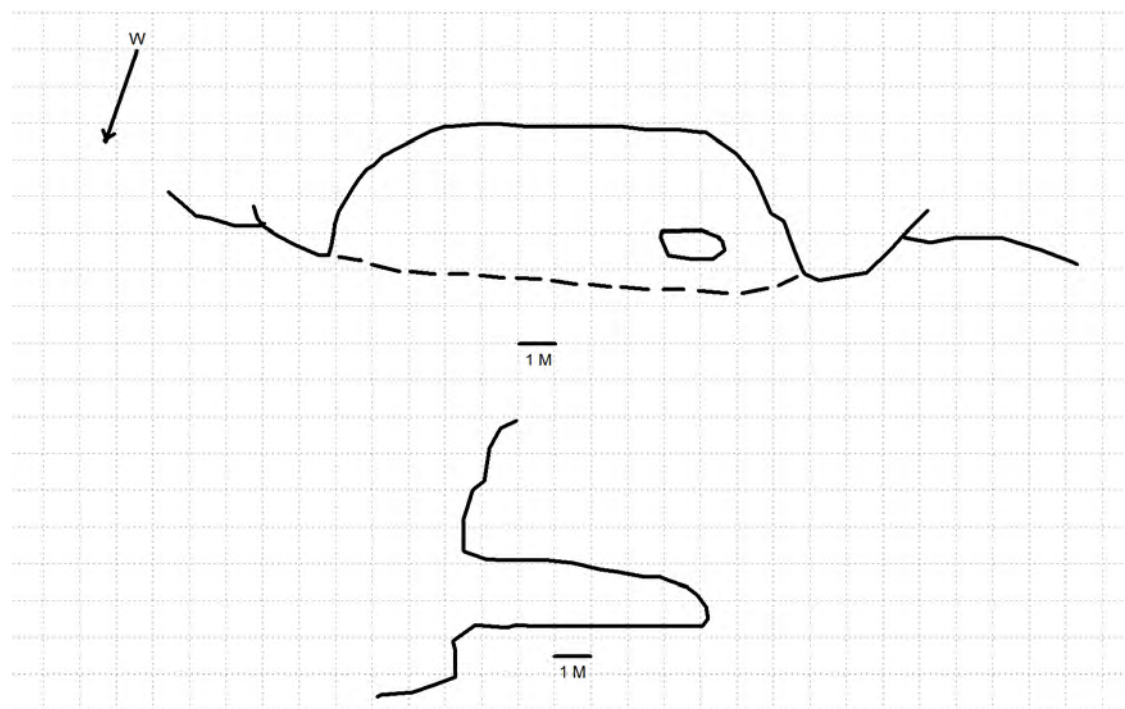
Possible Extent of Potential Archaeological Deposit: *5 x 3m*  
Possible Depth of Potential Archaeological Deposit: *0.20 metres*  
# of Artefacts: *0*  
Visible Extent of Artefacts: *n/a*  
Archaeological Visibility:  
Shelter Floor Area: *10 x 5 metres*  
Habitable Shelter Area (roof 1+ metres above floor):

### Additional Comments:

- ☐ Height at entrance 1.6m;
- ☐ Close to major rock formations.

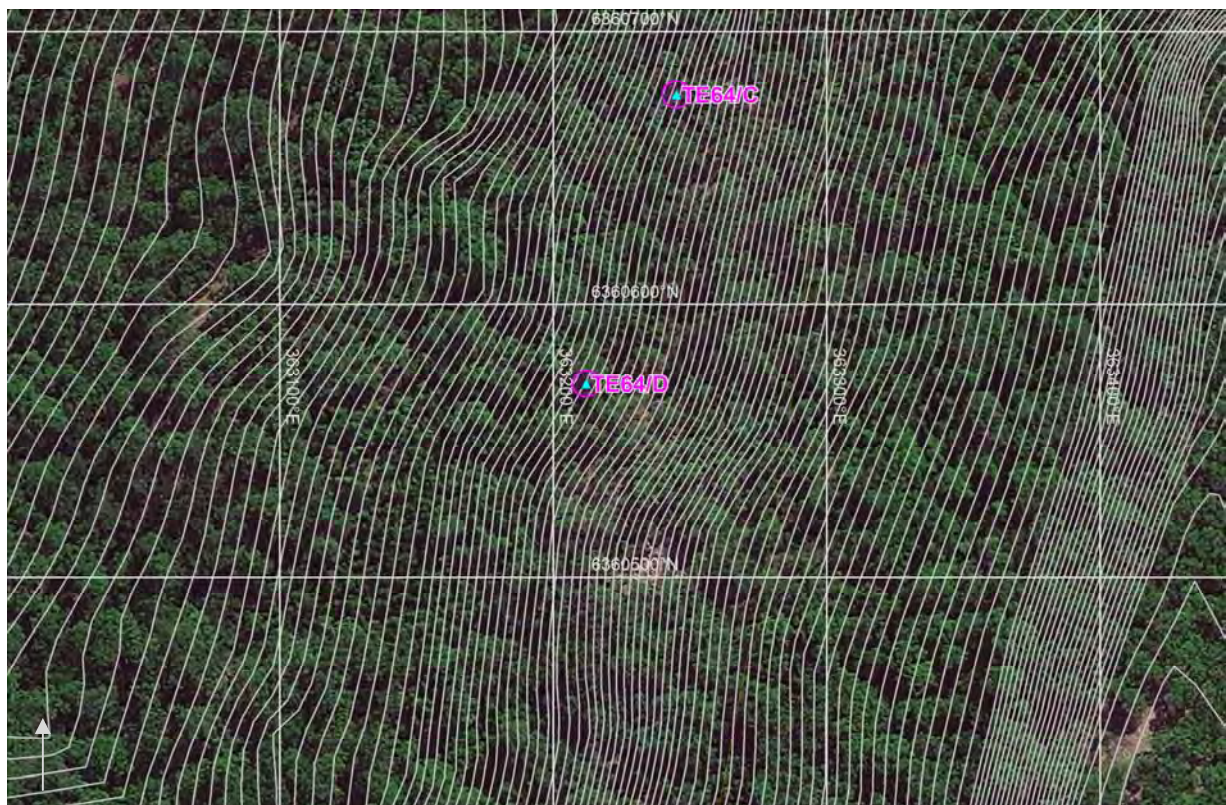


Site plan and cross-section: Tasman Extension 64/D



KEY: Back wall at floor \_\_\_\_\_ Dripline .----- Deposit/PAD 

Site Location: Tasman Extension 64/D





Photograph: Tasman Extension 64/D





## SITE NAME: TASMAN EXTENSION 67/A

Site Type: *Open grinding groove*      MGA Grid Reference: *362331:6359973*  
 Date Recorded: *21/9/11*      Topographic Map: *Wallsend 9232-3S*  
 Recorder: *Leigh Bate*

Landform Element: *Drainage depression*      Vegetation: *Forest*  
 Slope: *Moderate*      Ground Disturbance: *Low*  
 Distance to Water: *<50*

Extent of Exposed Rock: *10 x 2m*  
 Extent of Grooves: *5 x 2m*  
 Rock Type: *Sandstone*  
 Rock Form: *Scarp*  
 Surface Condition: *Weathered*  
 Disturbance: *Low*  
 Type of Disturbance: *Weathering, vegetation*

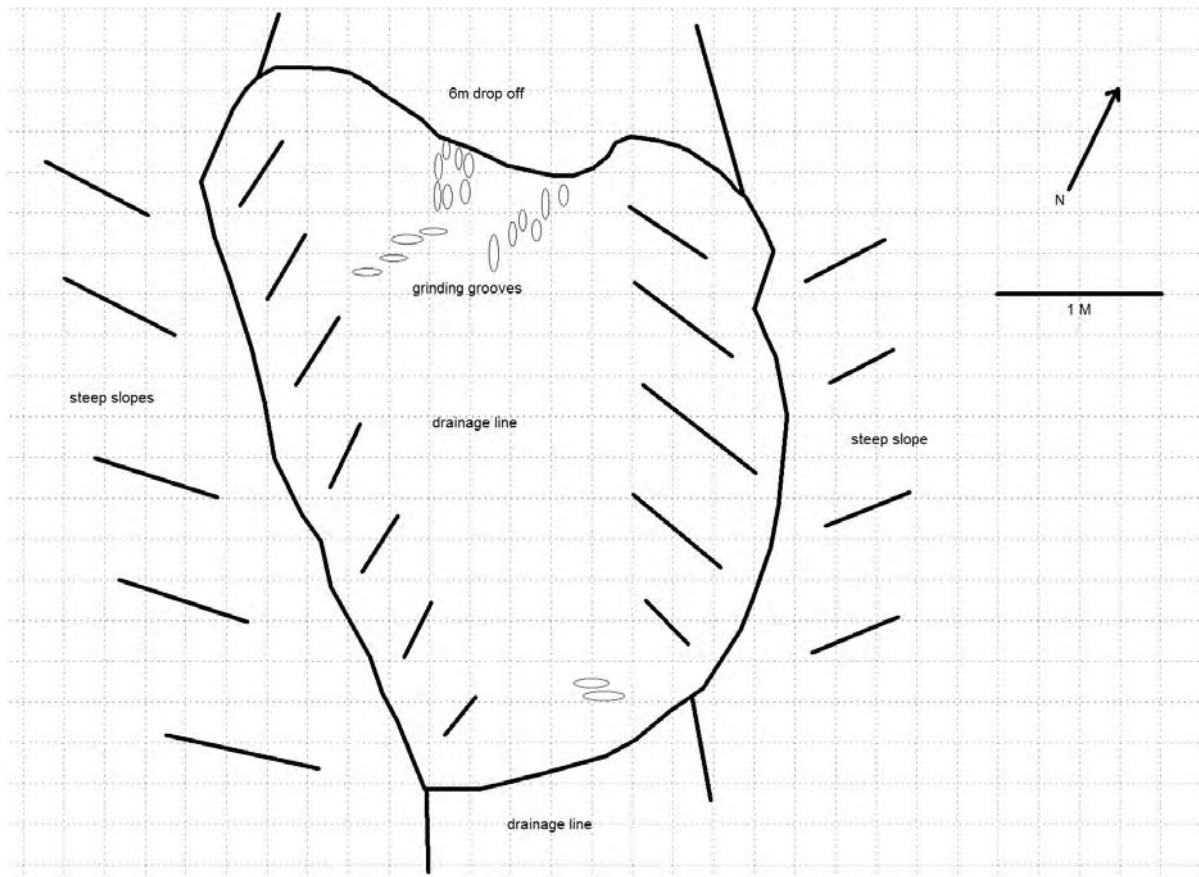
### Groove description:

Groove #	Groove Length (mm)	Groove Width (mm)	Groove Depth (mm)	Comments
1	350	80	30	u-shaped
2	340	100	35	u-shaped
3	40	20	10	u-shaped
4	50	20	10	u-shaped
5	90	50	10	u-shaped
6	230	50	10	u-shaped
7	260	80	20	u-shaped
8	240	70	10	u-shaped
9	230	70	20	u-shaped
10	260	70	20	u-shaped
11	310	90	20	u-shaped
12	350	90	30	u-shaped
13	330	70	20	u-shaped
14	190	60	10	u-shaped
15	270	60	20	u-shaped
16	260	100	10	u-shaped
17	250	80	20	u-shaped

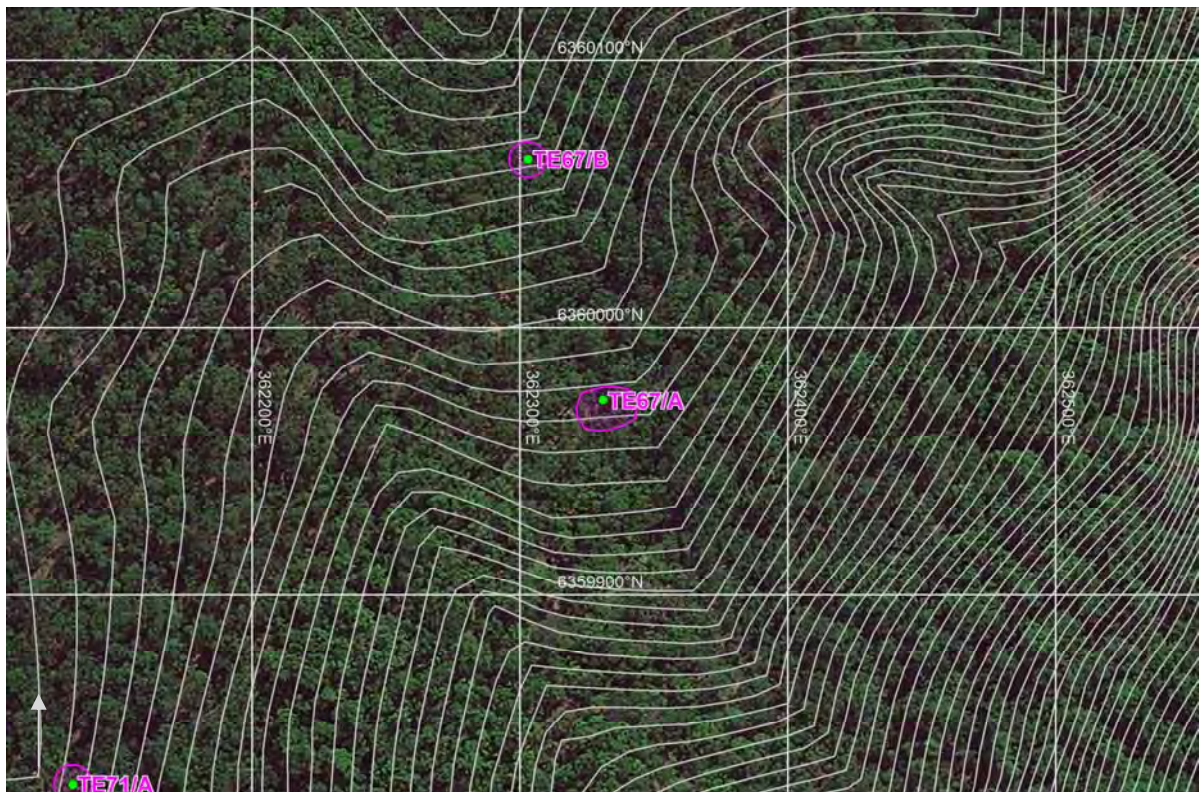
### Additional Comments:

- ☐ 17 grinding grooves in drainage.

# Site Plan: Tasman Extension 67/A



## Site Location: Tasman Extension 67/A





Photograph: Tasman Extension 67/A



## SITE NAME: TASMAN EXTENSION 67/B

Site Type: *Open grinding groove*      MGA Grid Reference: *362303:6360063*  
 Date Recorded: *22/9/11*      Topographic Map: *Wallsend 9232-3S*  
 Recorder: *Leigh Bate*

Landform Element: *Drainage depression*      Vegetation: *Forest*  
 Slope: *Moderate*      Ground Disturbance: *Low*  
 Distance to Water: *<50*

Extent of Exposed Rock: *1 x 1m*  
 Extent of Grooves: *1 x 1m*  
 Rock Type: *Sandstone*  
 Rock Form: *Boulder*  
 Surface Condition: *Exfoliating, weathered*  
 Disturbance: *Low*  
 Type of Disturbance: *Weathering, vegetation*

### Groove description:

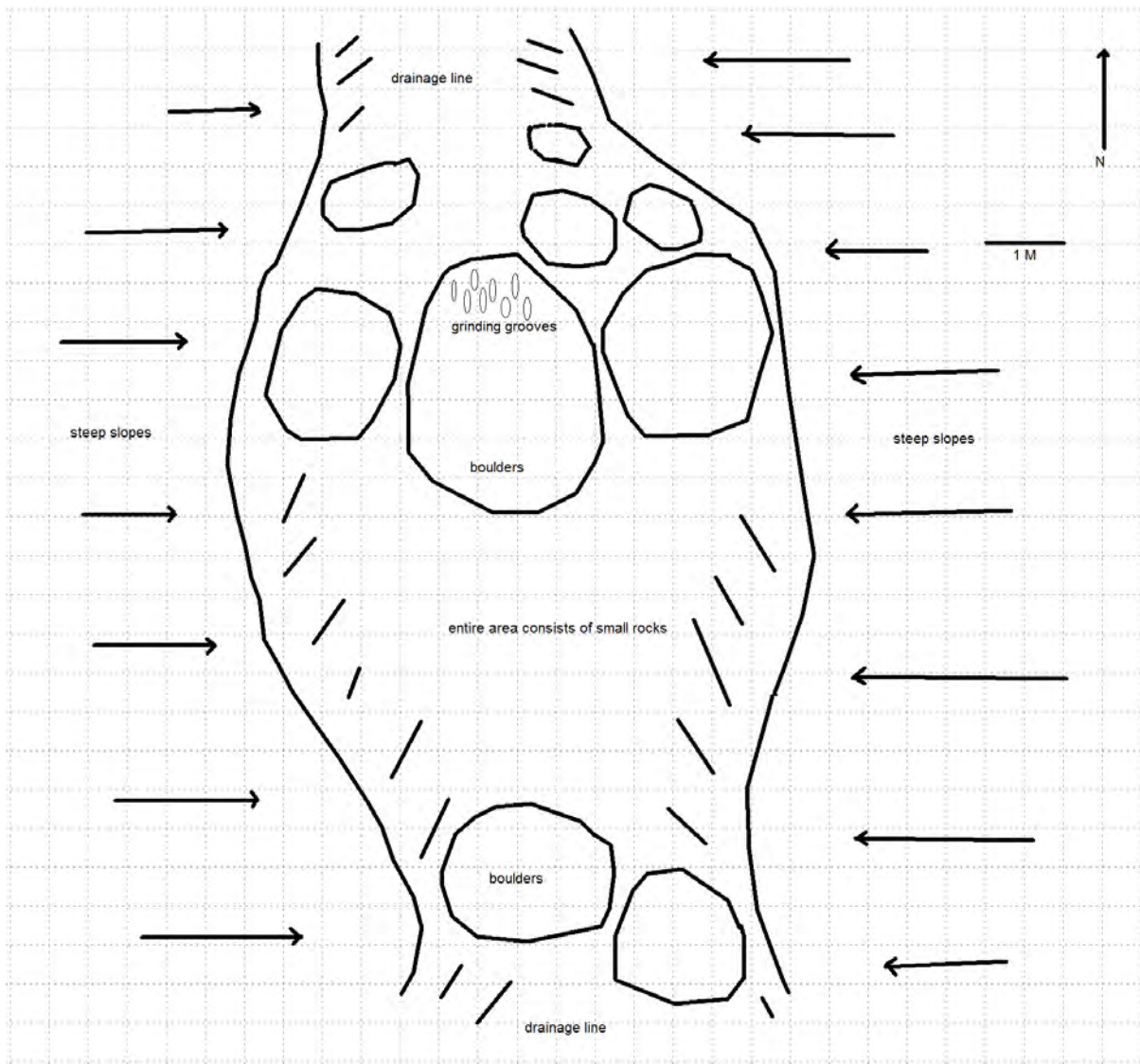
Groove #	Groove Length (mm)	Groove Width (mm)	Groove Depth (mm)	Comments
1	160	40	10	flat
2	105	30	5	flat
3	370	80	5	flat
4	130	30	5	flat
5	270	40	10	u-shaped
6	105	25	5	flat
7	100	20	5	flat

### Additional Comments:

- ☐ 7 grooves in drainage.

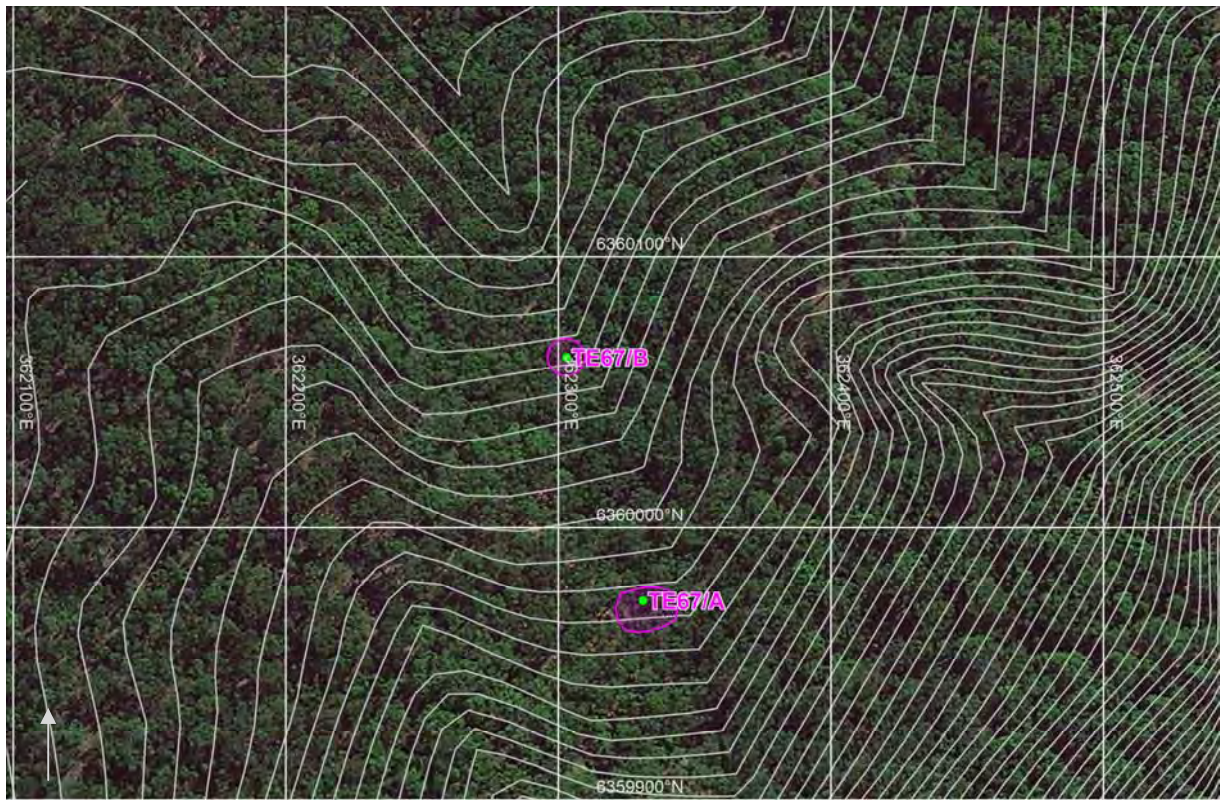


Site Plan: Tasman Extension 67/B





Site Location: Tasman Extension 67/B



Photograph: Tasman Extension 67/B





## SITE NAME: TASMAN EXTENSION 71/A

Site Type: *Open grinding groove*      MGA Grid Reference: *362133:6359830*  
 Date Recorded: *17/10/11*      Topographic Map: *Wallsend 9232-3S*  
 Recorder: *Stephen Free*

Landform Element: *Drainage depression*      Vegetation: *Forested*  
 Slope: *Gentle*      Ground Disturbance: *Low*  
 Distance to Water: *<50*

Extent of Exposed Rock: *2 x 2m*  
 Extent of Grooves: *2 x 2m*  
 Rock Type: *Sandstone*  
 Rock Form: *Outcrop*  
 Surface Condition: *Stable*  
 Disturbance: *Low*  
 Type of Disturbance: *Erosion, weathering*

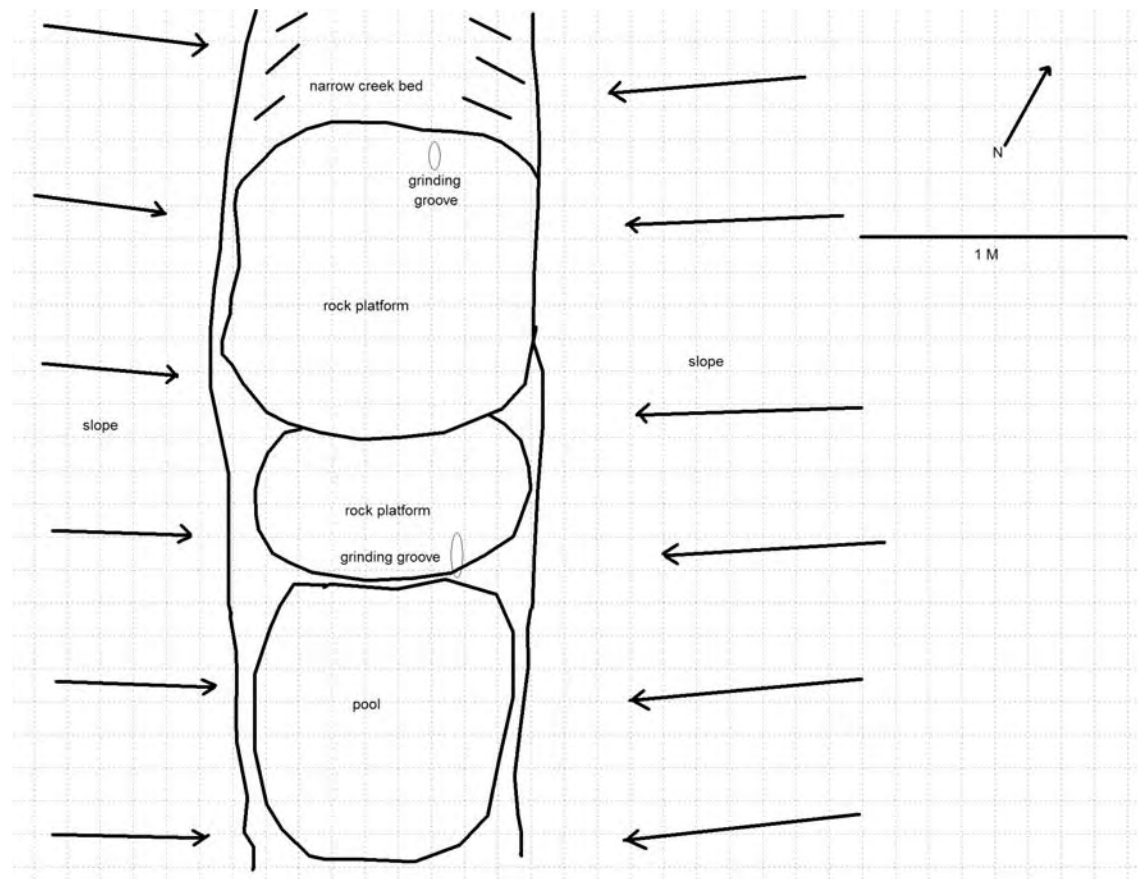
### Groove description:

Groove #	Groove Length (mm)	Groove Width (mm)	Groove Depth (mm)	Comments
1	27	10	20	u-shaped
2	35	14	30	u-shaped

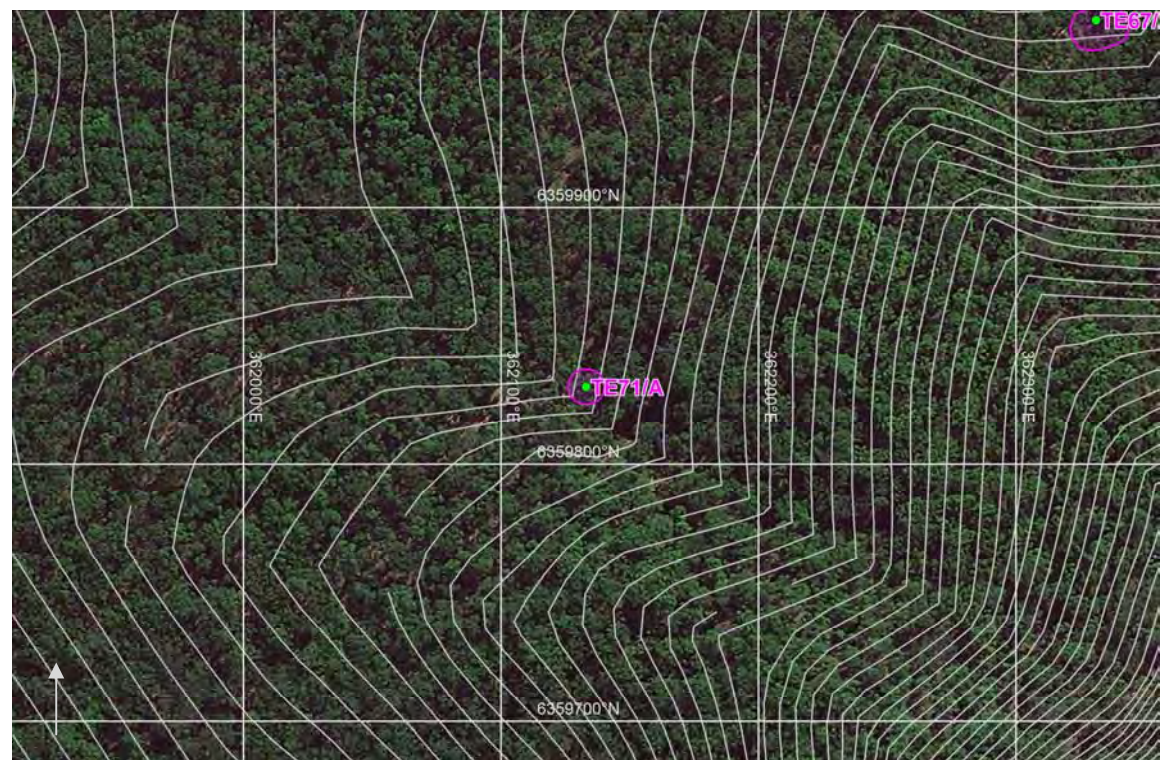
### Additional Comments:

- ☐ Grooves weathered by water overflow;
- ☐ Elevation 103 metres.

# Site Plan: Tasman Extension 71/A



## Site Location: Tasman Extension 71/A





## SITE NAME: TASMAN EXTENSION 77/A

Site Type:	Rock shelter with PAD	MGA Grid Reference:	362524:6359657
Date Recorded:	17/10/11	Topographic Map:	Wallsend 9232-3S
Recorder:	Stephen Free		

Landform Element:	Simple slope	Vegetation:	Forested
Slope:	Steep	Ground Disturbance:	Low
Distance to Water:	>50		

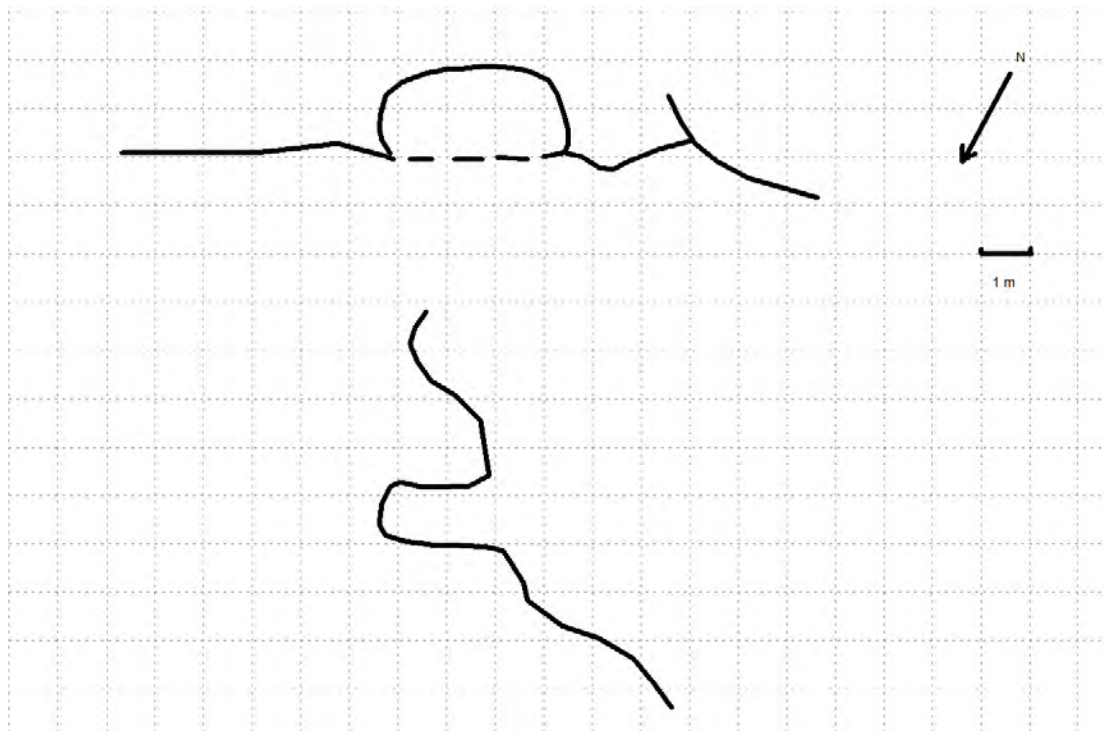
Rock Outcrop Material:	Sandstone
Outcrop Type:	Rock shelter, overhang
Outcrop Form:	Cliff, scarp, boulder
Aspect:	North west
Erosion:	Exfoliation, honeycomb
Surface Condition:	Exfoliating
Soil:	Sand
Disturbance to Deposit:	Low
Causes of Disturbance:	Erosion

Possible Extent of Potential Archaeological Deposit:	2.5 x 1.5m
Possible Depth of Potential Archaeological Deposit:	0.20 metres
# of Artefacts:	0
Visible Extent of Artefacts:	n/a
Archaeological Visibility:	
Shelter Floor Area:	3.3 x 1.8 metres
Habitable Shelter Area (roof 1+ metres above floor):	

### Additional Comments:

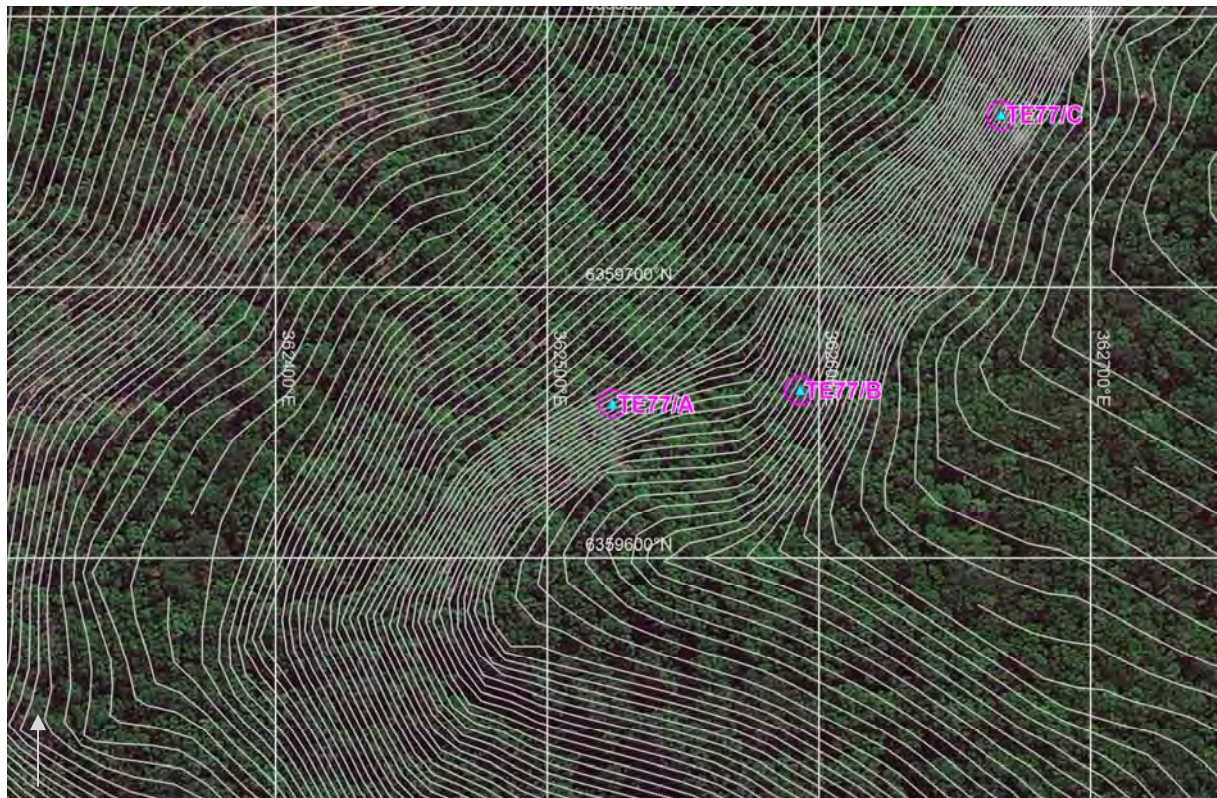
- ☐ Height at entrance 1.1 metres;
- ☐ Height at rear wall 1.3 metres.

# Site plan and cross-section: Tasman Extension 77/A



KEY: Back wall at floor \_\_\_\_\_ Dripline ..... Deposit/PAD

## Site Location: Tasman Extension 77/A





Photograph: Tasman Extension 77/A



## SITE NAME: TASMAN EXTENSION 77/B

Site Type:	Rock shelter with PAD	MGA Grid Reference:	362593:6359662
Date Recorded:	17/10/11	Topographic Map:	Wallsend 9232-3S
Recorder:	Stephen Free		

Landform Element:	Simple slope	Vegetation:	Forested
Slope:	Steep	Ground Disturbance:	Low
Distance to Water:	>50		

Rock Outcrop Material:	Sandstone
Outcrop Type:	Rock shelter
Outcrop Form:	Cliff, scarp, boulder
Aspect:	West
Erosion:	Exfoliation, honeycomb
Surface Condition:	Stable
Soil:	Sand
Disturbance to Deposit:	Low
Causes of Disturbance:	Erosion

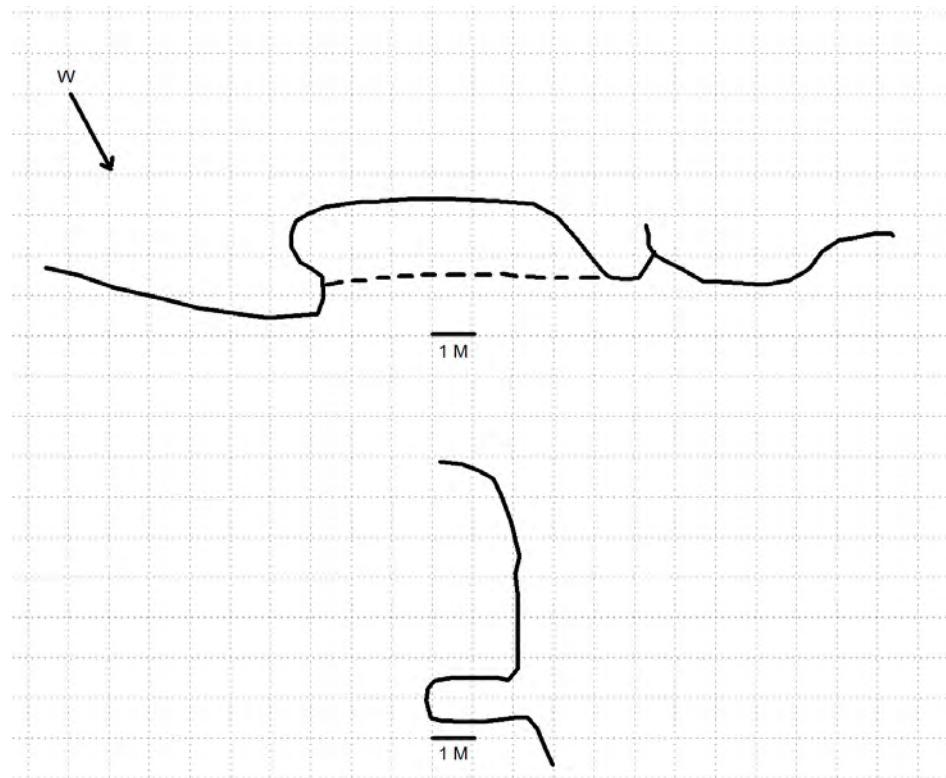
Possible Extent of Potential Archaeological Deposit:	4.8 x 2m
Possible Depth of Potential Archaeological Deposit:	0.15 metres
# of Artefacts:	0
Visible Extent of Artefacts:	n/a
Archaeological Visibility:	
Shelter Floor Area:	5.2 x 2.3 metres
Habitable Shelter Area (roof 1+ metres above floor):	

### Additional Comments:

- ☐ Height at entrance 1.2 metres;
- ☐ Height at rear wall 0.8 metres.

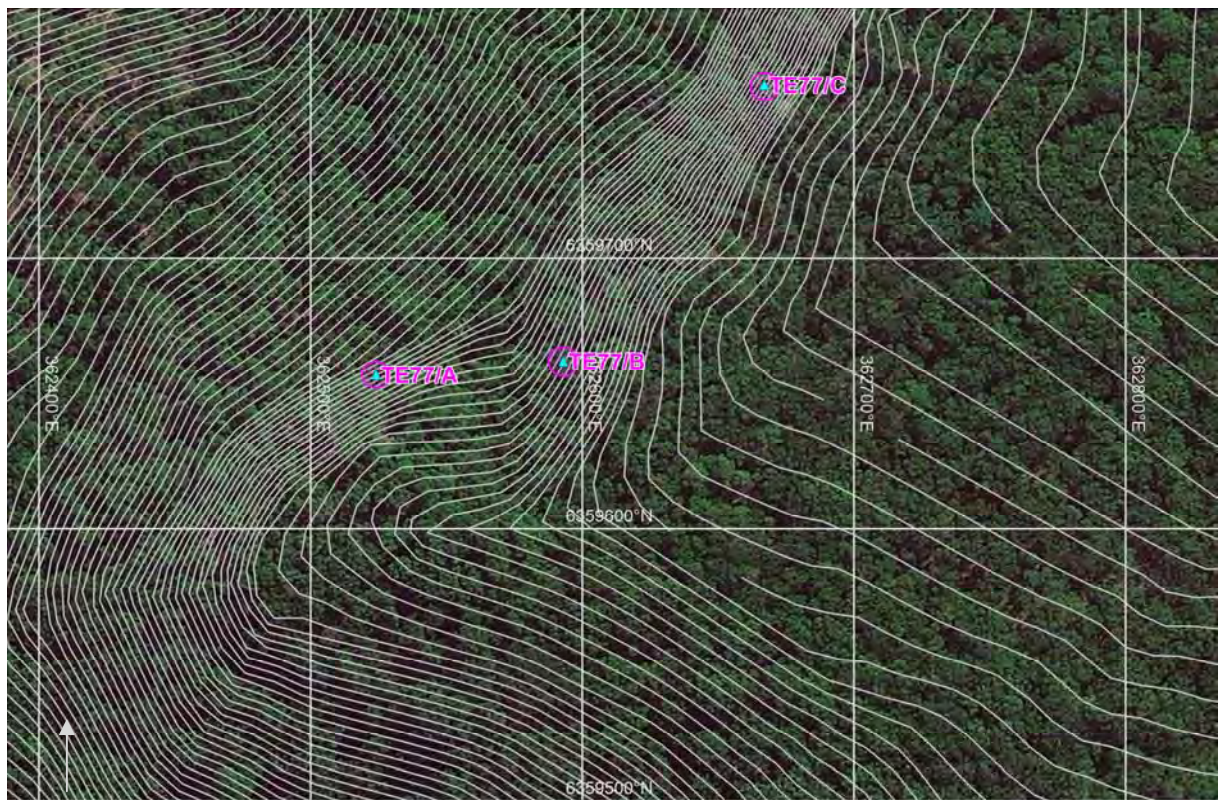


Site plan and cross-section: Tasman Extension 77/B



KEY: Back wall at floor \_\_\_\_\_ Dripline . . . . . Deposit/PAD 

Site Location: Tasman Extension 77/B



Photograph: Tasman Extension 77/B





## SITE NAME: TASMAN EXTENSION 77/C

Site Type:	Rock shelter with PAD	MGA Grid Reference:	362667:6359764
Date Recorded:	17/10/11	Topographic Map:	Wallsend 9232-3S
Recorder:	Stephen Free		

Landform Element:	Simple slope	Vegetation:	Forested
Slope:	Steep	Ground Disturbance:	Low
Distance to Water:	>50		

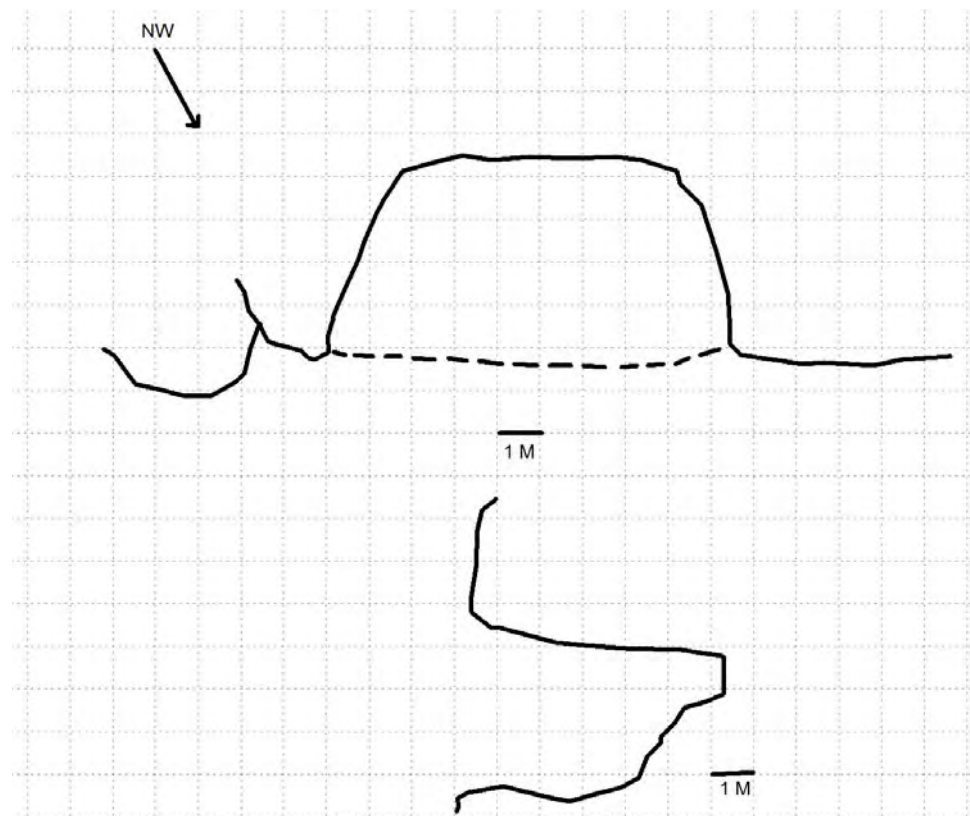
Rock Outcrop Material:	Sandstone
Outcrop Type:	Rock shelter
Outcrop Form:	Cliff, scarp
Aspect:	North west
Erosion:	Exfoliation
Surface Condition:	Stable, exfoliating
Soil:	Sand
Disturbance to Deposit:	Moderate
Causes of Disturbance:	Erosion

Possible Extent of Potential Archaeological Deposit:	8 x 3m
Possible Depth of Potential Archaeological Deposit:	0.20 metres
# of Artefacts:	0
Visible Extent of Artefacts:	n/a
Archaeological Visibility:	
Shelter Floor Area:	9.1 x 6.4 metres
Habitable Shelter Area (roof 1+ metres above floor):	

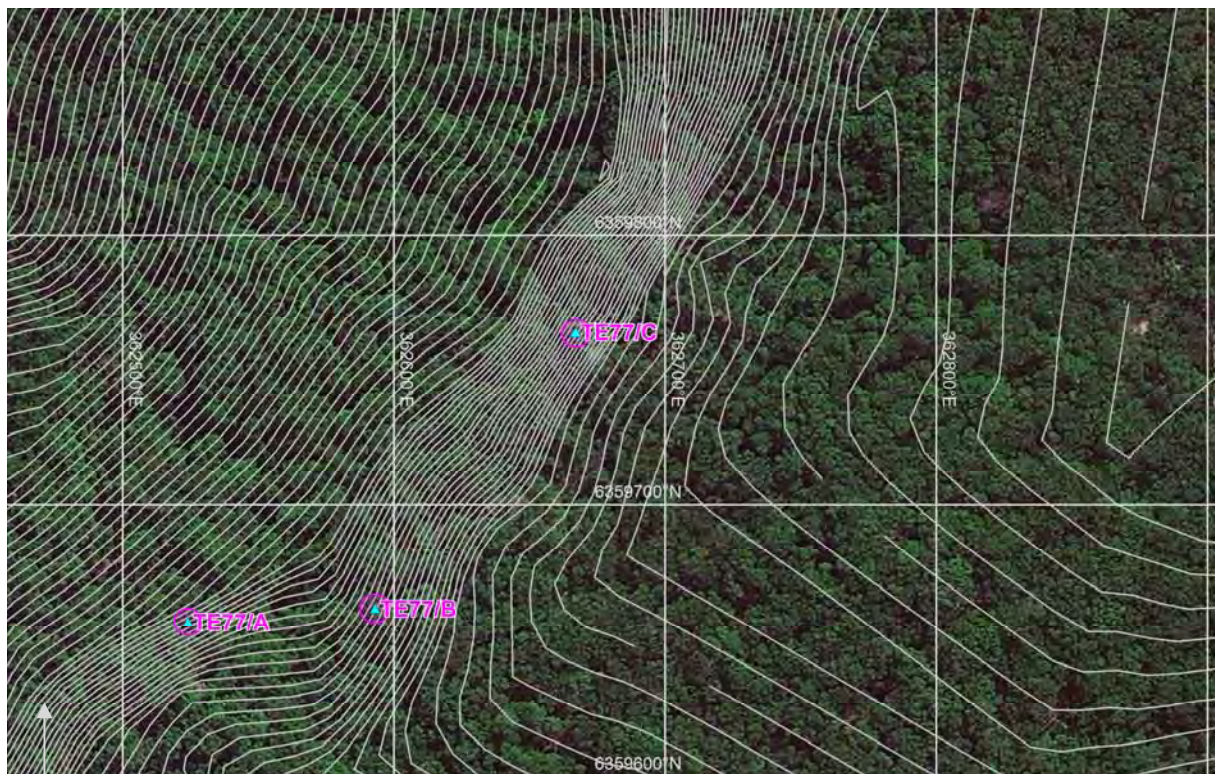
### Additional Comments:

- ☐ Elevation 272 metres;
- ☐ Goat faeces evident.

# Site plan and cross-section: Tasman Extension 77/C



Site Location: Tasman Extension 77/C





Photograph: Tasman Extension 77/C



## SITE NAME: TASMAN EXTENSION 79/A

Site Type: *Open grinding groove*      MGA Grid Reference: *362675:6359376*  
 Date Recorded: *19/9/11*      Topographic Map: *Wallsend 9232-3S*  
 Recorder: *Stephen Free*

Landform Element: *Simple slope*      Vegetation: *Forest*  
 Slope: *Steep*      Ground Disturbance: *Low*  
 Distance to Water: *<50*

Extent of Exposed Rock: *4 x 2m*  
 Extent of Grooves: *0.5 x 0.5m*  
 Rock Type: *Sandstone*  
 Rock Form: *Boulder, outcrop*  
 Surface Condition: *Stable*  
 Disturbance: *Low*  
 Type of Disturbance: *Erosion*

Groove description:

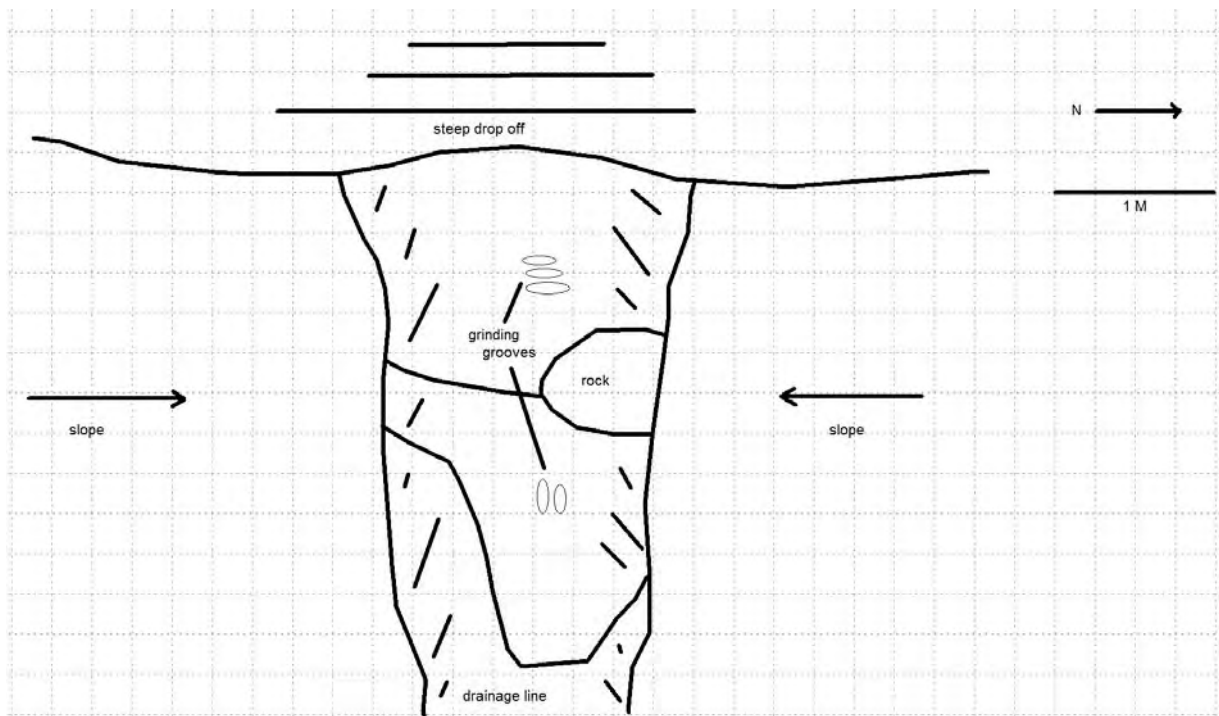
Groove #	Groove Length (mm)	Groove Width (mm)	Groove Depth (mm)	Comments
1	280	70	10	u-shaped
2	340	90	50	u-shaped
3	350	90	30	u-shaped
4	340	100	20	u-shaped
5	230	90	20	u-shaped

Additional Comments:

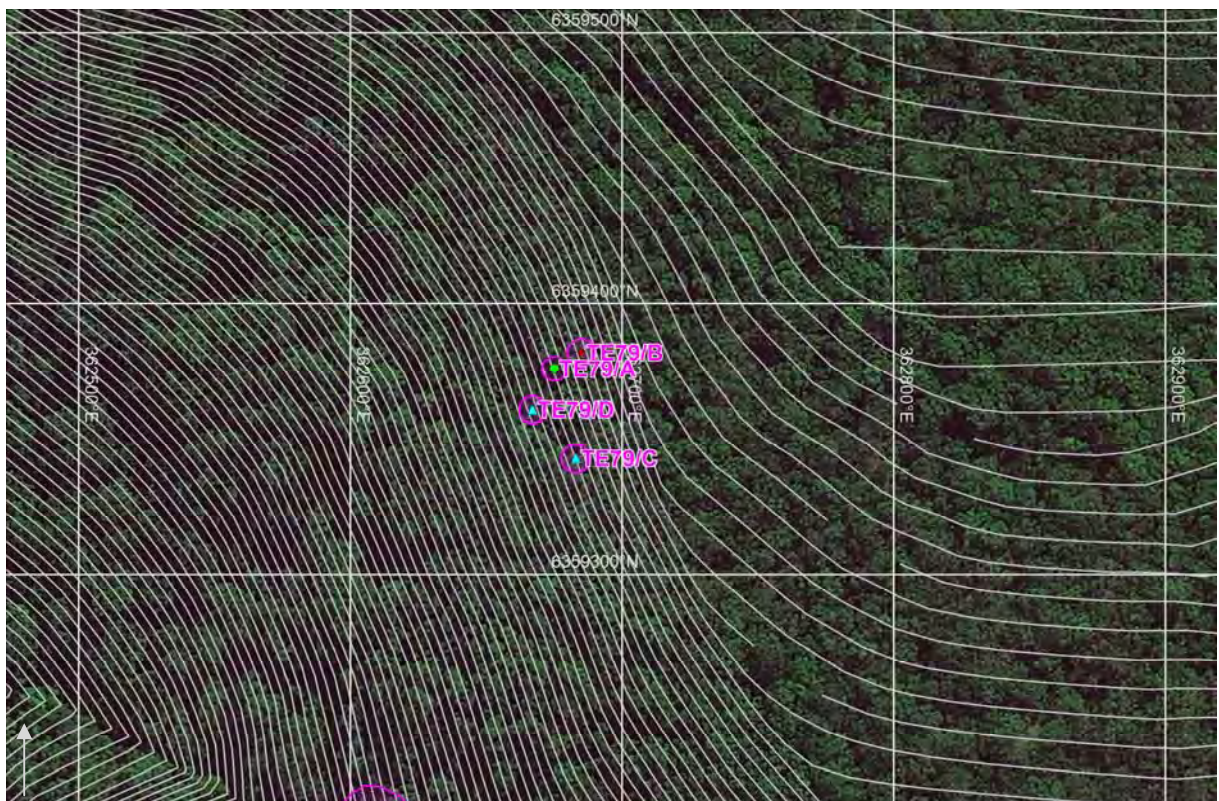
☐ Weathering by water overflow.



# Site Plan: Tasman Extension 79/A



## Site Location: Tasman Extension 79/A





Photograph: Tasman Extension 79/A





## SITE NAME: TASMAN EXTENSION 79/B

Site Type:	Isolated artefact	MGA Grid Reference:	362685:6359382
Date Recorded:	22/9/11	Topographic Map:	Wallsend 9232-3S
Recorder:	Stephen Free		
Landform Element:	Simple slope	Vegetation:	Forest
Slope:	Steep	Ground Disturbance:	Low
Distance to Water:	<50		

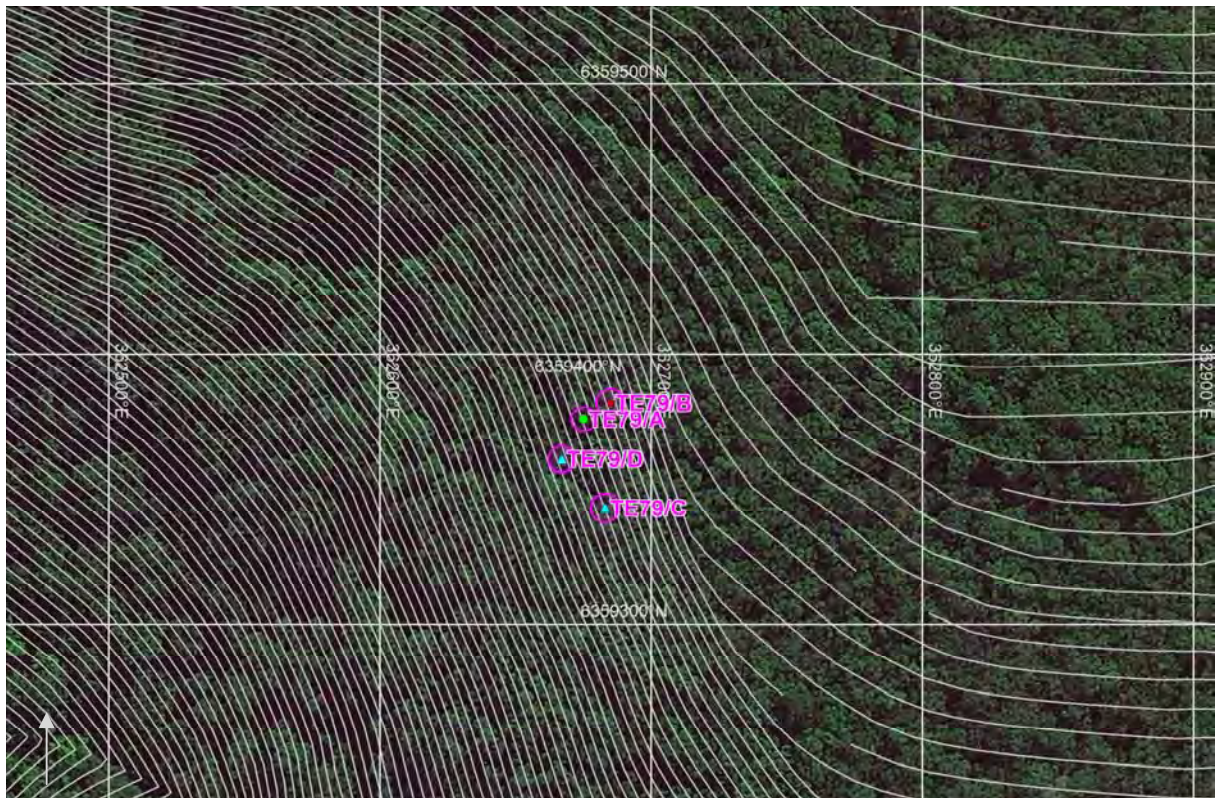
Visible Extent of Surface Exposures: Length (m)	Visible Extent of Surface Exposures: Width (m)	Visible Extent of Evidence: Length (m)	Visible Extent of Evidence: Width (m)	Visible Locus Area (m <sup>2</sup> )	Mean Surface Visibility of Locus (%)	Mean Arch. Visibility of Locus (%)	Effective Locus Area (m <sup>2</sup> )	# of Artefacts	# of Artefacts per m <sup>2</sup> of Effective Locus Area	Sub- Surface Deposit
varies	varies	1	1	1	20%	20%	0.2	1	5	unlikely

### Additional Comments:

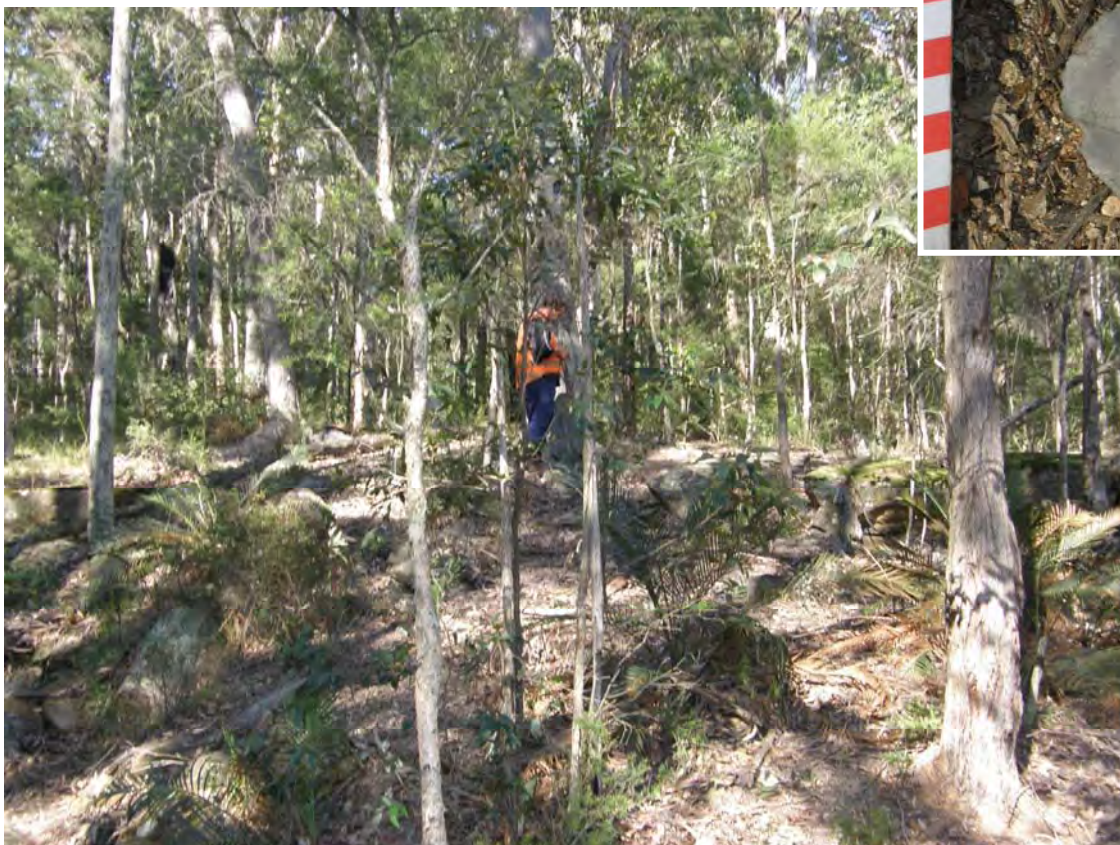
- ☐ Visibility low due to leaf litter;
- ☐ Tuff core;
- ☐ Artefact located 20 metres southeast of grinding grooves (TE79/A) and 30 metres east from two rock shelters (TE79/C and TE79/D);
- ☐ Ground disturbance from logging.



Site Location: Tasman Extension 79/B



Photograph: Tasman Extension 79/B (inset - tuff core)





## SITE NAME: TASMAN EXTENSION 79/C

Site Type:	Rock shelter with PAD	MGA Grid Reference:	362683:6359343
Date Recorded:	22/9/11	Topographic Map:	Wallsend 9232-3S
Recorder:	Stephen Free		

Landform Element:	Simple slope	Vegetation:	Forest
Slope:	Steep	Ground Disturbance:	Low
Distance to Water:	>50		

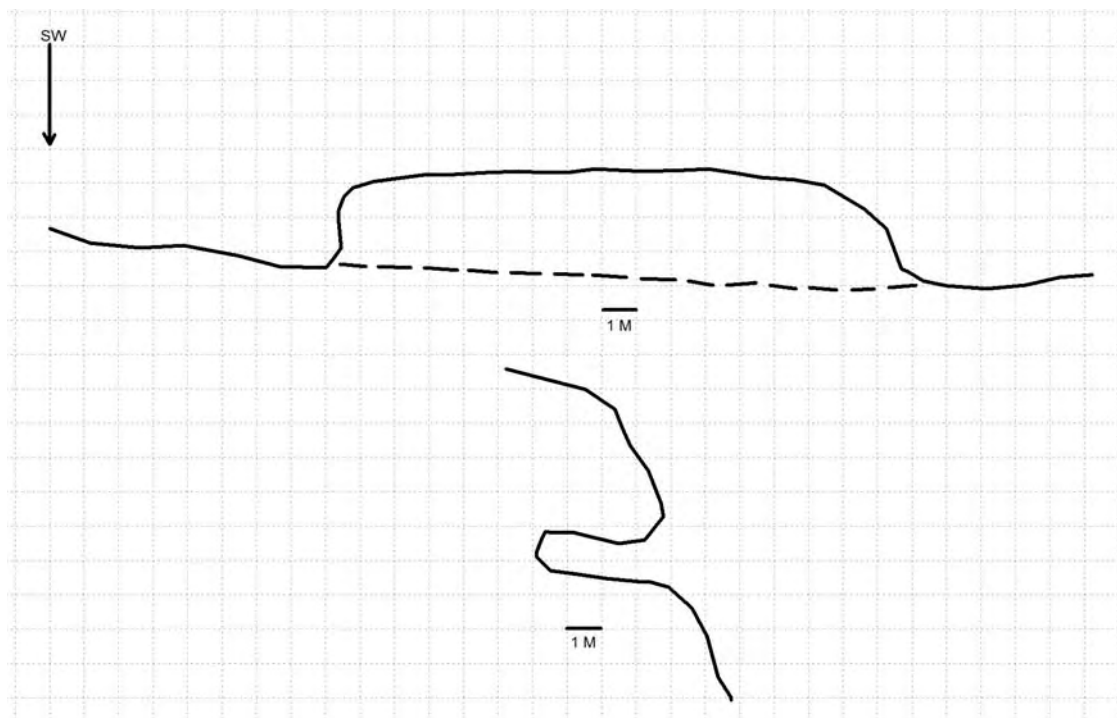
Rock Outcrop Material:	Sandstone
Outcrop Type:	Rock shelter
Outcrop Form:	Cliff, scarp, boulder, outcrop
Aspect:	South west
Erosion:	Exfoliation, cavernous, honeycomb
Surface Condition:	Stable
Soil:	Silt, sand
Disturbance to Deposit:	Low
Causes of Disturbance:	Erosion

Possible Extent of Potential Archaeological Deposit:	1 x 0.5m
Possible Depth of Potential Archaeological Deposit:	0.20 metres
# of Artefacts:	0
Visible Extent of Artefacts:	n/a
Archaeological Visibility:	
Shelter Floor Area:	16 x 2 metres
Habitable Shelter Area (roof 1+ metres above floor):	

Additional Comments:

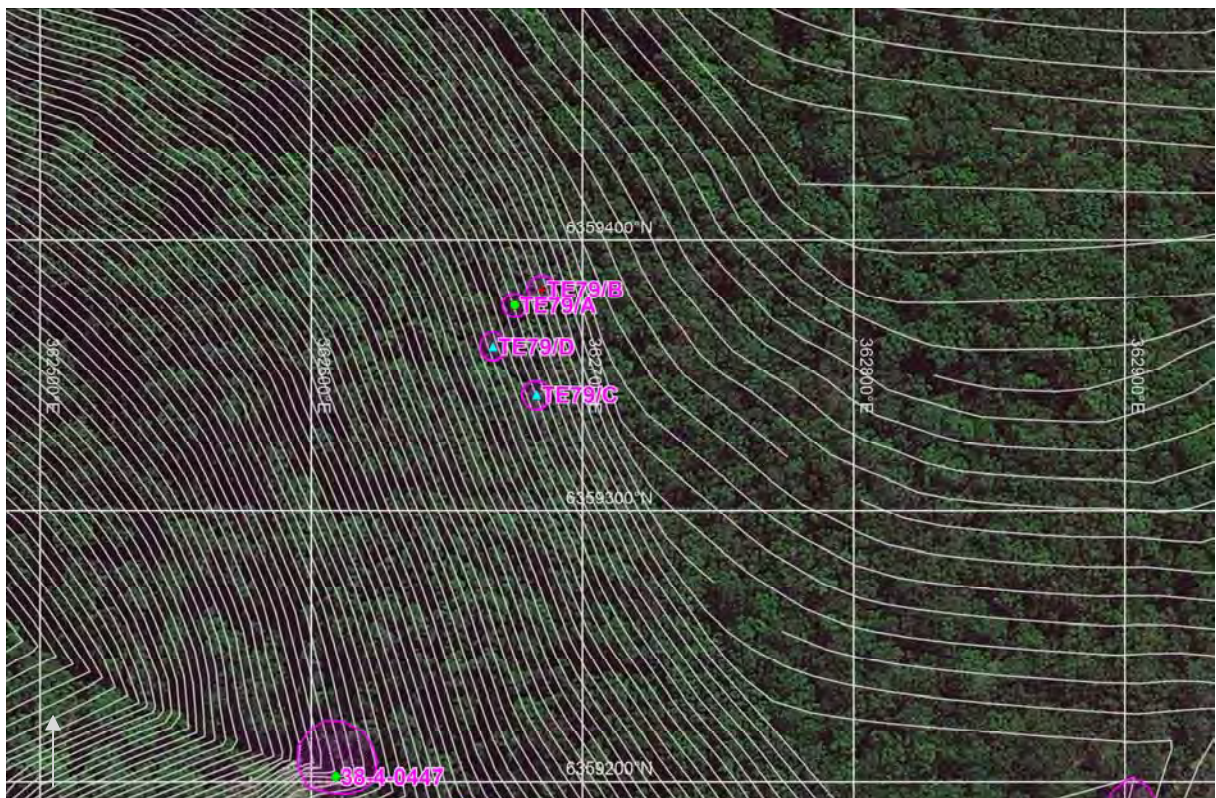
☐ Height at entrance 1 metre.

## Site plan and cross-section: Tasman Extension 79/C



KEY: Back wall at floor \_\_\_\_\_ Dripline ..... Deposit/PAD 

Site Location: Tasman Extension 79/C





Photograph: Tasman Extension 79/C



## SITE NAME: TASMAN EXTENSION 79/D

Site Type:	<i>Rock shelter with PAD</i>	MGA Grid Reference:	<i>362667:6359361</i>
Date Recorded:	<i>22/9/11</i>	Topographic Map:	<i>Wallsend 9232-3S</i>
Recorder:	<i>Stephen Free</i>		

Landform Element:	<i>Simple slope</i>	Vegetation:	<i>Forest</i>
Slope:	<i>Steep</i>	Ground Disturbance:	<i>Low</i>
Distance to Water:	<i>&gt;50</i>		

Rock Outcrop Material:	<i>Sandstone</i>
Outcrop Type:	<i>Rock shelter</i>
Outcrop Form:	<i>Cliff, scarp, boulder, outcrop</i>
Aspect:	<i>South west</i>
Erosion:	<i>Exfoliation, cavernous, honeycomb</i>
Surface Condition:	<i>Stable</i>
Soil:	<i>Silt, sand</i>
Disturbance to Deposit:	<i>Low</i>
Causes of Disturbance:	<i>Erosion</i>

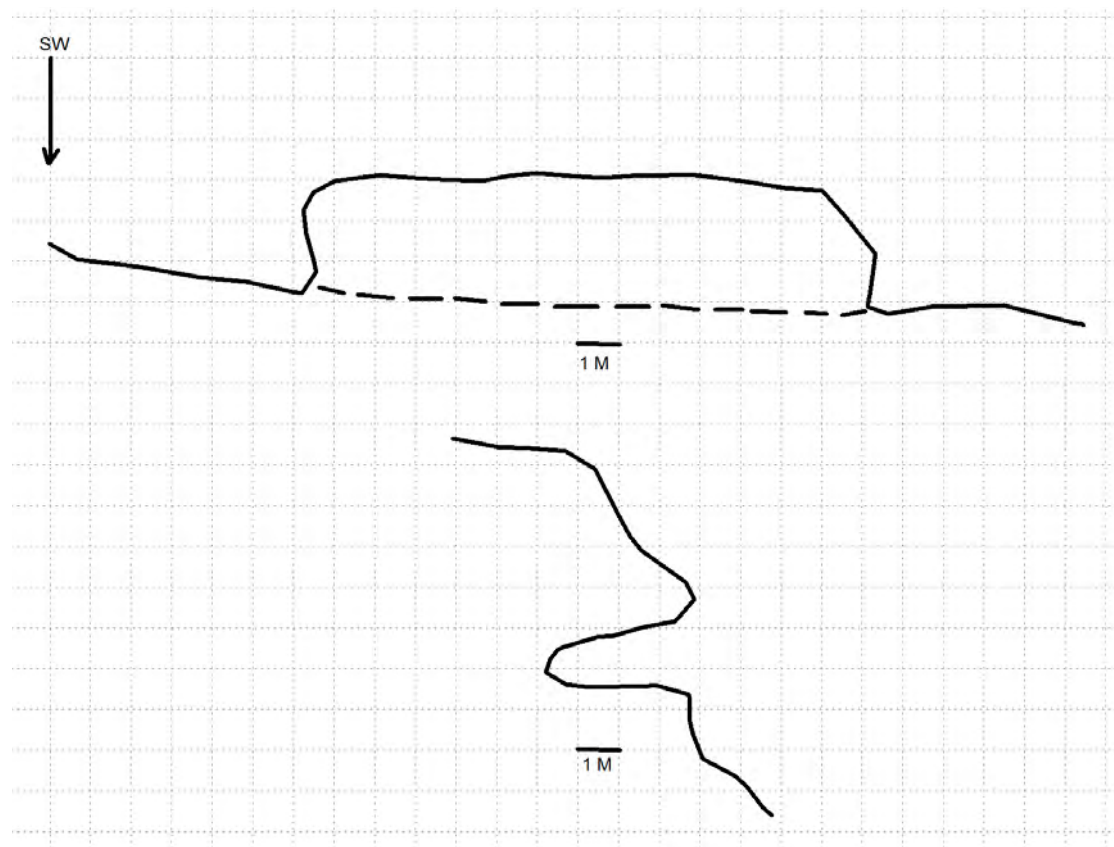
Possible Extent of Potential Archaeological Deposit:	<i>6 x 1.5m</i>
Possible Depth of Potential Archaeological Deposit:	<i>0.30 metres</i>
# of Artefacts:	<i>0</i>
Visible Extent of Artefacts:	<i>n/a</i>
Archaeological Visibility:	
Shelter Floor Area:	<i>12 x 3 metres</i>
Habitable Shelter Area (roof 1+ metres above floor):	

Additional Comments:

- ☐ Height at entrance 1.5 metres.

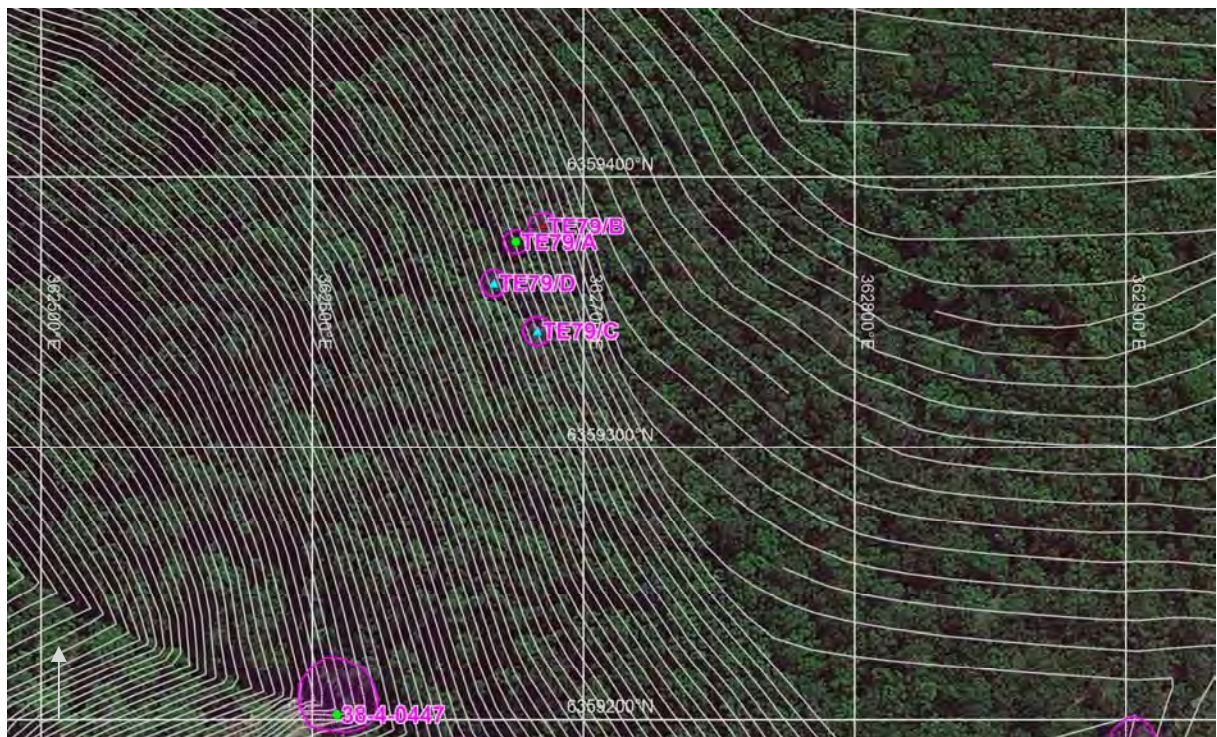


# Site plan and cross-section: Tasman Extension 79/D



KEY: Back wall at floor \_\_\_\_\_ Dripline ..... Deposit/PAD 

Site Location: Tasman Extension 79/D



Photograph: Tasman Extension 79/D





## SITE NAME: TASMAN EXTENSION 80/A

Site Type:	Isolated artefact	MGA Grid Reference:	363024:6359742
Date Recorded:	22/9/11	Topographic Map:	Wallsend 9232-3S
Recorder:	Stephen Free		
Landform Element:	Simple slope	Vegetation:	Forest
Slope:	Gentle	Ground Disturbance:	Moderate
Distance to Water:	>50		

Visible Extent of Surface Exposures: Length (m)	Visible Extent of Surface Exposures: Width (m)	Visible Extent of Evidence: Length (m)	Visible Extent of Evidence: Width (m)	Visible Locus Area (m <sup>2</sup> )	Mean Surface Visibility of Locus (%)	Mean Arch. Visibility of Locus (%)	Effective Locus Area (m <sup>2</sup> )	# of Artefacts	# of Artefacts per m <sup>2</sup> of Effective Locus Area	Sub- Surface Deposit
2	2	1	1	1	80%	80%	0.80	1	1.25	unlikely

### Additional Comments:

- ☐ Artefact located at top of slope on walking track/old fire trail;
- ☐ Tuff flake;
- ☐ Disturbance to artefact from use of track.

Site Location: Tasman Extension 80/A



Photograph: Tasman Extension 80/A (inset - tuff retouched/utilised flake)





## SITE NAME: TASMAN EXTENSION 80/B

Site Type:	Isolated artefact	MGA Grid Reference:	363236:6359651
Date Recorded:	22/9/11	Topographic Map:	Wallsend 9232-3S
Recorder:	Stephen Free		
Landform Element:	Simple slope	Vegetation:	Forest
Slope:	Gentle	Ground Disturbance:	Moderate
Distance to Water:	>50		

Visible Extent of Surface Exposures: Length (m)	Visible Extent of Surface Exposures: Width (m)	Visible Extent of Evidence: Length (m)	Visible Extent of Evidence: Width (m)	Visible Locus Area (m <sup>2</sup> )	Mean Surface Visibility of Locus (%)	Mean Arch. Visibility of Locus (%)	Effective Locus Area (m <sup>2</sup> )	# of Artefacts	# of Artefacts per m <sup>2</sup> of Effective Locus Area	Sub- Surface Deposit
2	2	1	1	1	80%	80%	0.80	1	1.25	unlikely

### Additional Comments:

- ☐ Artefact located on walking track/old fire trail;
- ☐ Tuff flake.

Site Location: Tasman Extension 80/B



Photograph: Tasman Extension 80/B





## SITE NAME: TASMAN EXTENSION 80/C

Site Type:	Isolated artefact	MGA Grid Reference:	363516:6359765
Date Recorded:	28/9/11	Topographic Map:	Wallsend 9232-3S
Recorder:	Leigh Bate		
Landform Element:	Simple slope	Vegetation:	Cleared, forested
Slope:	Gentle	Ground Disturbance:	High
Distance to Water:	>50		

Visible Extent of Surface Exposures: Length (m)	Visible Extent of Surface Exposures: Width (m)	Visible Extent of Evidence: Length (m)	Visible Extent of Evidence: Width (m)	Visible Locus Area (m <sup>2</sup> )	Mean Surface Visibility of Locus (%)	Mean Arch. Visibility of Locus (%)	Effective Locus Area (m <sup>2</sup> )	# of Artefacts	# of Artefacts per m <sup>2</sup> of Effective Locus Area	Sub- Surface Deposit
varies	varies	1	1	1	90	30	0.3	1	3.333	unlikely

### Additional Comments:

- ☐ Site located on access track outside investigation area (Sugarloaf Range Road);
- ☐ Tuff lithic fragment.

Site Location: Tasman Extension 80/C



Photograph: Tasman Extension 80/C (inset - tuff lithic fragment)





## SITE NAME: TASMAN EXTENSION 84/A

Site Type: *Artefact scatter*  
 Date Recorded: *15/9/11*  
 Recorder: *Stephen Free*

MGA Grid Reference: *363374:6359433*  
 Topographic Map: *Wallsend 9232-3S*

Landform Element: *Ridge crest*  
 Slope: *Moderate*  
 Distance to Water: *>50*

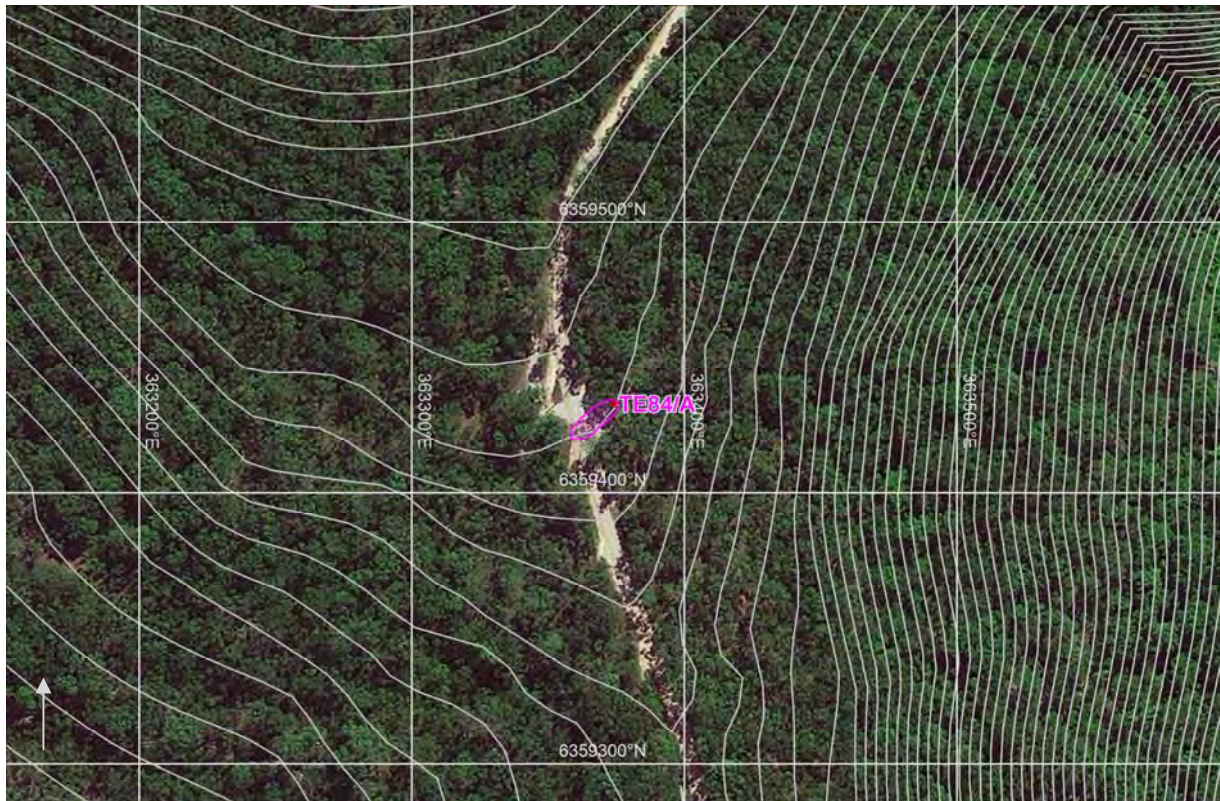
Vegetation: *Forest*  
 Ground Disturbance: *Low*

Visible Extent of Surface Exposures: Length (m)	Visible Extent of Surface Exposures: Width (m)	Visible Extent of Evidence: Length (m)	Visible Extent of Evidence: Width (m)	Visible Locus Area (m <sup>2</sup> )	Mean Surface Visibility of Locus (%)	Mean Arch. Visibility of Locus (%)	Effective Locus Area (m <sup>2</sup> )	# of Artefacts	# of Artefacts per m <sup>2</sup> of Effective Locus Area	Sub- Surface Deposit
2	2	2	2	4	70%	70%	2.8	5	1.786	unlikely

### Additional Comments:

- ☐ Artefacts located on drainage culvert adjacent to Sugarloaf Range Road;
- ☐ Silcrete core, two silcrete lithic fragments, tuff flake and tuff flake portion.

Site Location: Tasman Extension 84/A



Photograph: Tasman Extension 84/A





## SITE NAME: TASMAN EXTENSION 85/A

Site Type: *Artefact scatter*  
 Date Recorded: *28/9/11*  
 Recorder: *Stephen Free*

MGA Grid Reference: *363360:6358775*  
 Topographic Map: *Wallsend 9232-3S*

Landform Element: *Simple slope*  
 Slope: *Gentle*  
 Distance to Water: *>50*

Vegetation: *Cleared*  
 Ground Disturbance: *High*

Visible Extent of Surface Exposures: Length (m)	Visible Extent of Surface Exposures: Width (m)	Visible Extent of Evidence: Length (m)	Visible Extent of Evidence: Width (m)	Visible Locus Area (m <sup>2</sup> )	Mean Surface Visibility of Locus (%)	Mean Arch. Visibility of Locus (%)	Effective Locus Area (m <sup>2</sup> )	# of Artefacts	# of Artefacts per m <sup>2</sup> of Effective Locus Area	Sub- Surface Deposit
25	15	6	3	18	50%	50%	9	24	2.667	unlikely

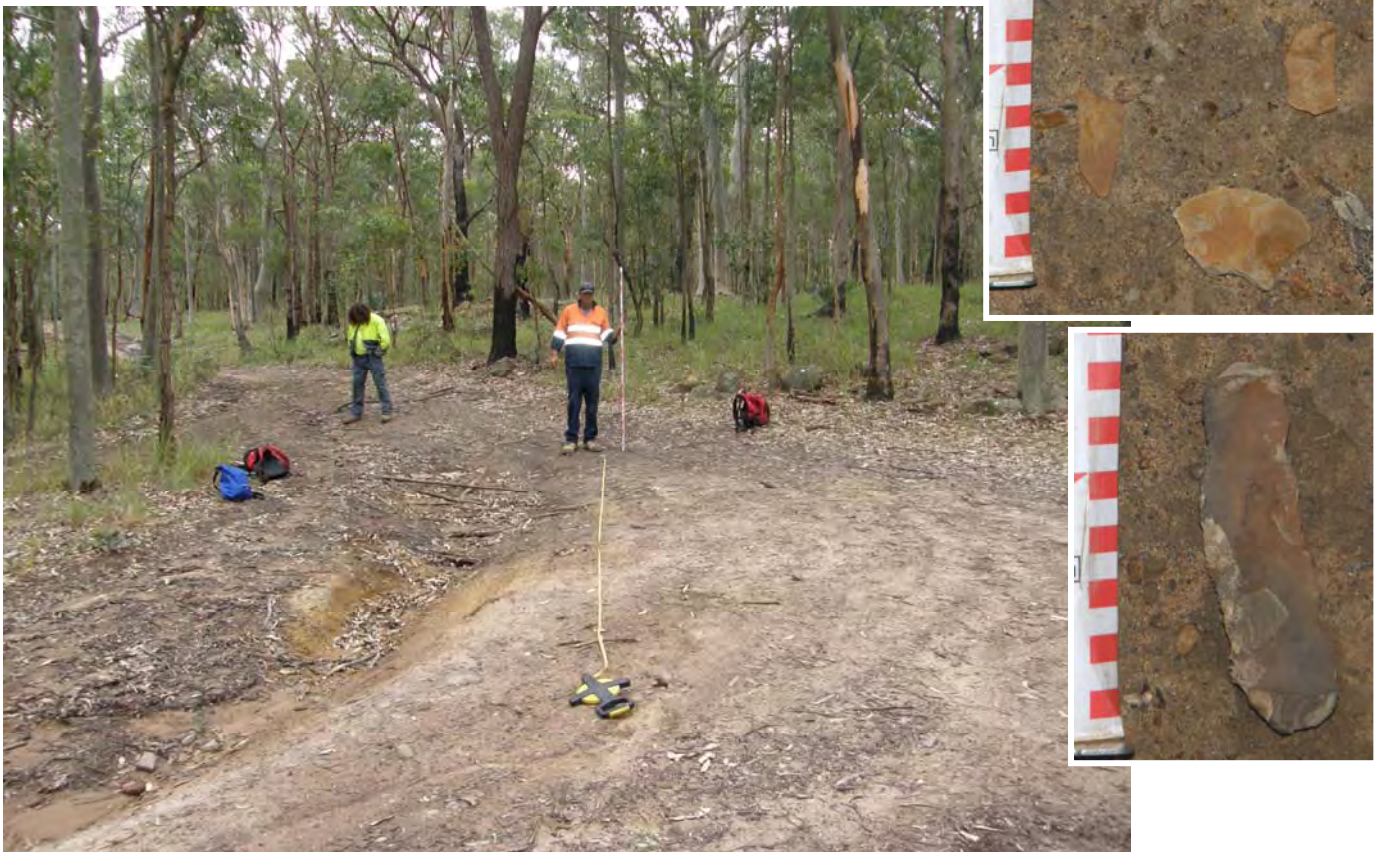
Additional Comments:

- ☐ Artefact scatter located on access track.

Site Location: Tasman Extension 85/A



Photograph: Tasman Extension 85/A





## SITE NAME: TASMAN EXTENSION 86/A

Site Type: *Open grinding groove*      MGA Grid Reference: *362980:6359311*  
 Date Recorded: *19/9/11*      Topographic Map: *Wallsend 9232-3S*  
 Recorder: *Stephen Free*

Landform Element: *Drainage depression*      Vegetation: *Forest*  
 Slope: *Moderate*      Ground Disturbance: *Low*  
 Distance to Water: *<50*

Extent of Exposed Rock: *15 x 6m*  
 Extent of Grooves: *0.66 x 0.5m*  
 Rock Type: *Sandstone*  
 Rock Form: *Boulder, outcrop*  
 Surface Condition: *Stable*  
 Disturbance: *Low*  
 Type of Disturbance: *Erosion*

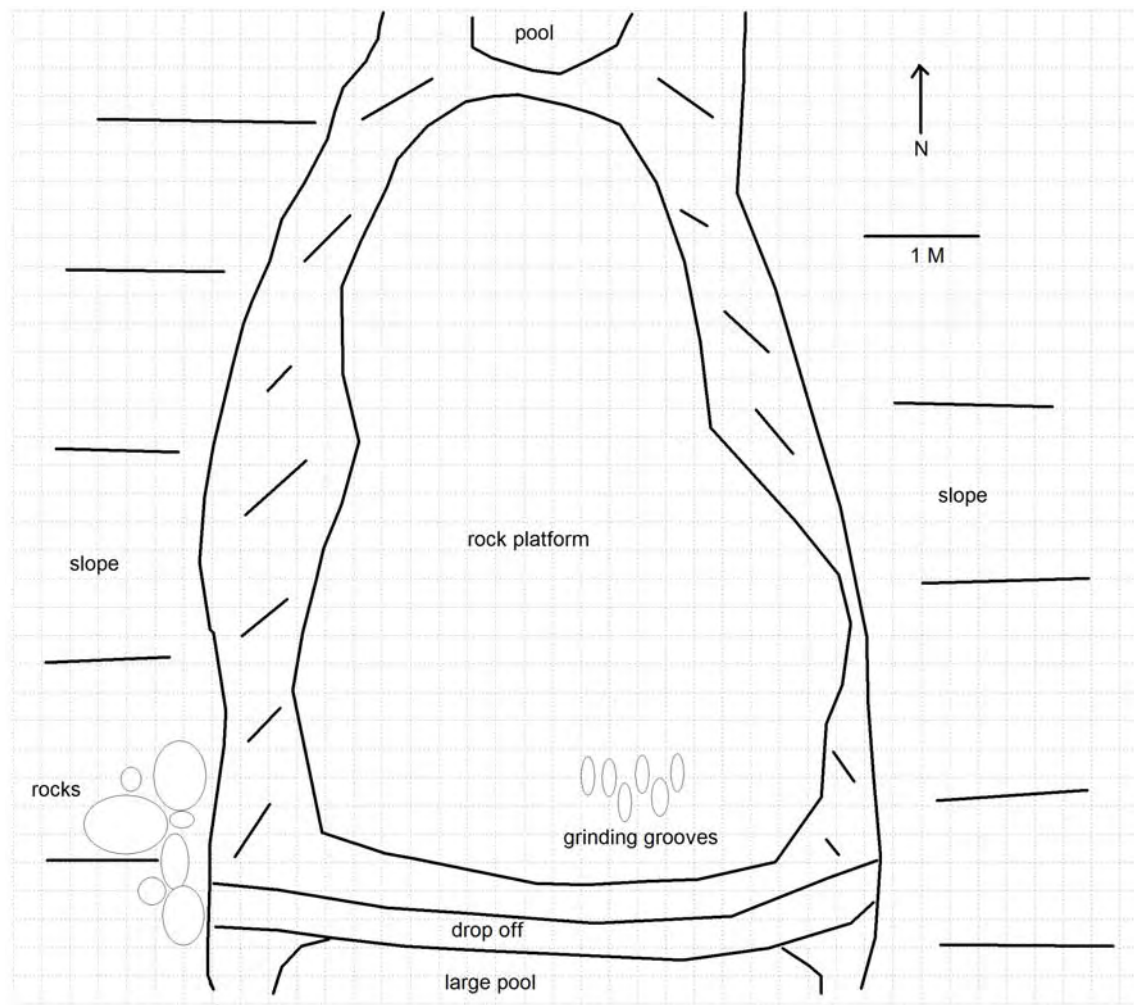
### Groove description:

Groove #	Groove Length (mm)	Groove Width (mm)	Groove Depth (mm)	Comments
1	280	100	20	u-shaped
2	60	60	10	u-shaped
3	60	55	10	u-shaped
4	250	90	25	u-shaped
5	230	100	30	u-shaped
6	280	100	15	u-shaped

### Additional Comments:

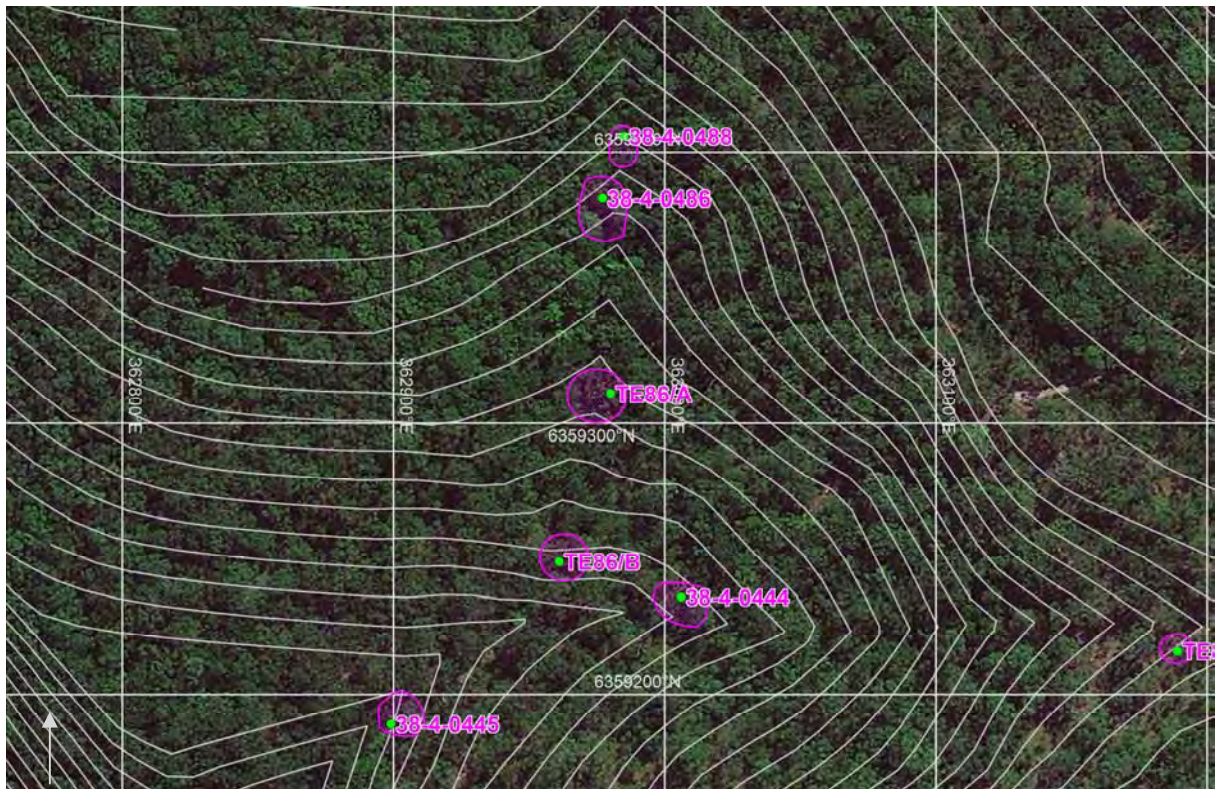
- ☐ Site impacted only by erosion/ weathering caused by water overflow;
- ☐ Two grooves at northern end weathered.

Site Plan: Tasman Extension 86/A





Site Location: Tasman Extension 86/A



Photograph: Tasman Extension 86/A



## SITE NAME: TASMAN EXTENSION 86/B

Site Type: *Open grinding groove*      MGA Grid Reference: *362961:6359249*  
 Date Recorded: *19/9/11*      Topographic Map: *Wallsend 9232-3S*  
 Recorder: *Stephen Free*

Landform Element: *Drainage depression*      Vegetation: *Forest*  
 Slope: *Moderate*      Ground Disturbance: *Low*  
 Distance to Water: *<50*

Extent of Exposed Rock: *12 x 6m*  
 Extent of Grooves: *1.3 x 0.4m*  
 Rock Type: *Sandstone*  
 Rock Form: *Boulder, outcrop*  
 Surface Condition: *Stable*  
 Disturbance: *Low*  
 Type of Disturbance: *Erosion*

### Groove description:

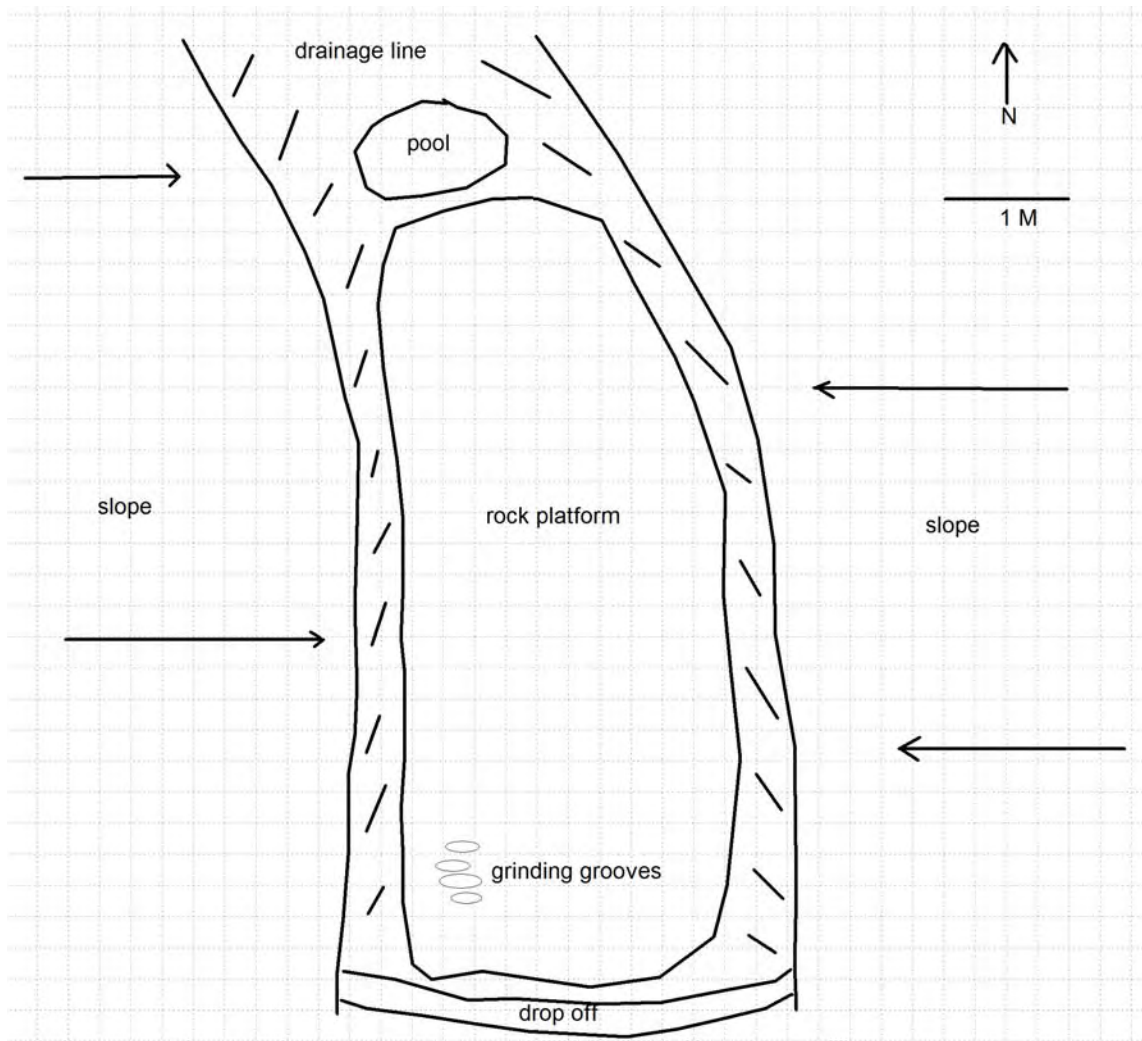
Groove #	Groove Length (mm)	Groove Width (mm)	Groove Depth (mm)	Comments
1	270	70	10	u-shaped
2	330	70	30	u-shaped
3	250	80	20	u-shaped
4	250	70	10	u-shaped

### Additional Comments:

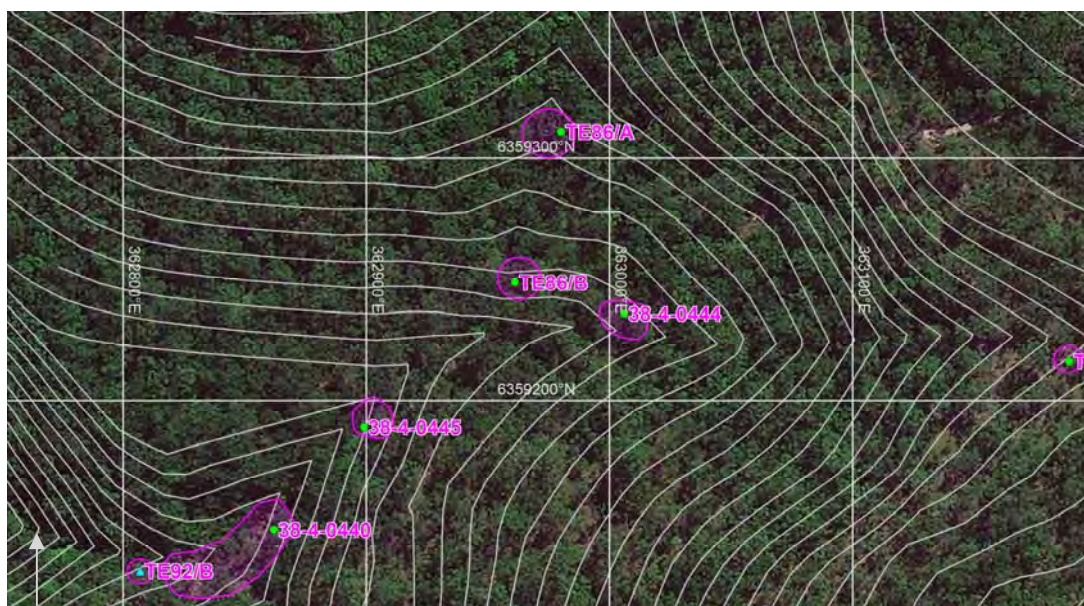
- ☐ Erosion to site caused only by water overflow.



# Site Plan: Tasman Extension 86/B



## Site Location: Tasman Extension 86/B





Photograph: Tasman Extension 86/B





## SITE NAME: TASMAN EXTENSION 86/C

Site Type: *Open grinding groove*      MGA Grid Reference: *363189:6359216*  
 Date Recorded: *20/9/11*      Topographic Map: *Wallsend 9232-3S*  
 Recorder: *Stephen Free*

Landform Element: *Drainage depression*      Vegetation: *Forest*  
 Slope: *Moderate*      Ground Disturbance: *Low*  
 Distance to Water: *<50*

Extent of Exposed Rock: *3 x 2m*  
 Extent of Grooves: *0.4 x 0.3m*  
 Rock Type: *Sandstone*  
 Rock Form: *Boulder, outcrop*  
 Surface Condition: *Stable*  
 Disturbance: *Low*  
 Type of Disturbance: *Erosion, weathering*

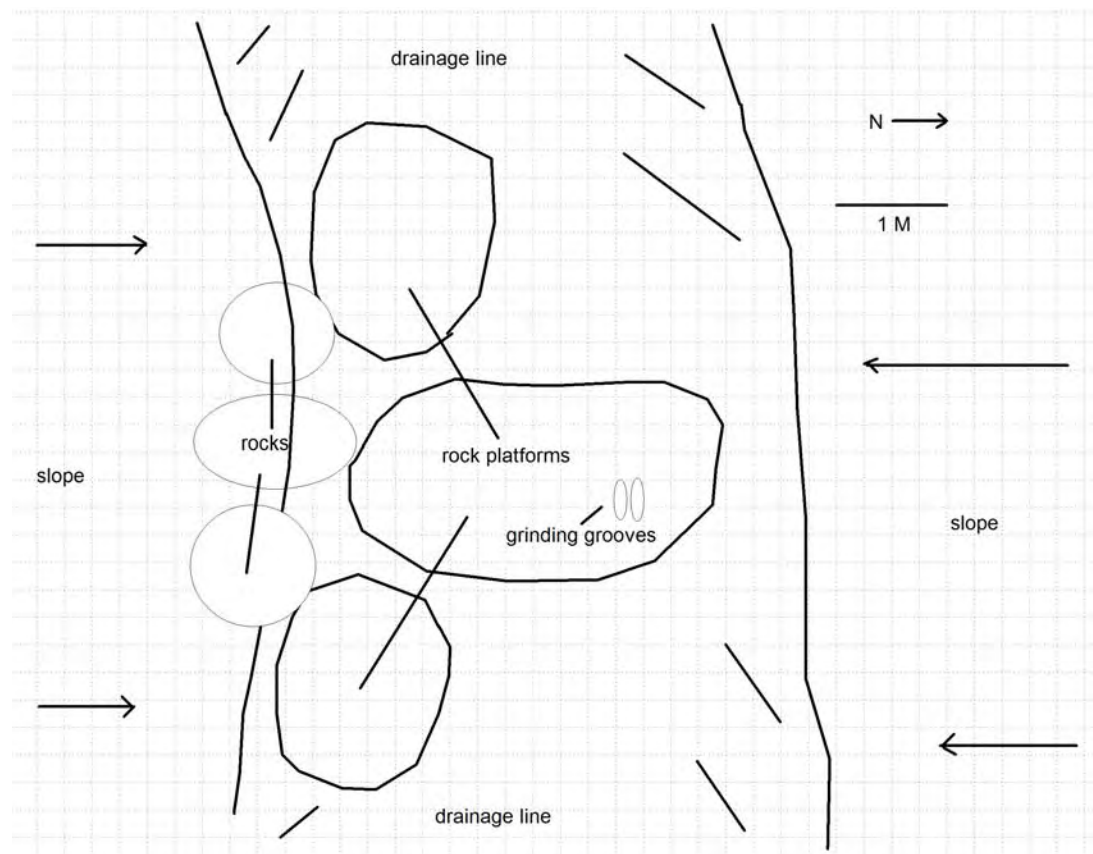
### Groove description:

Groove #	Groove Length (mm)	Groove Width (mm)	Groove Depth (mm)	Comments
1	240	90	12	u-shaped
2	230	80	20	u-shaped

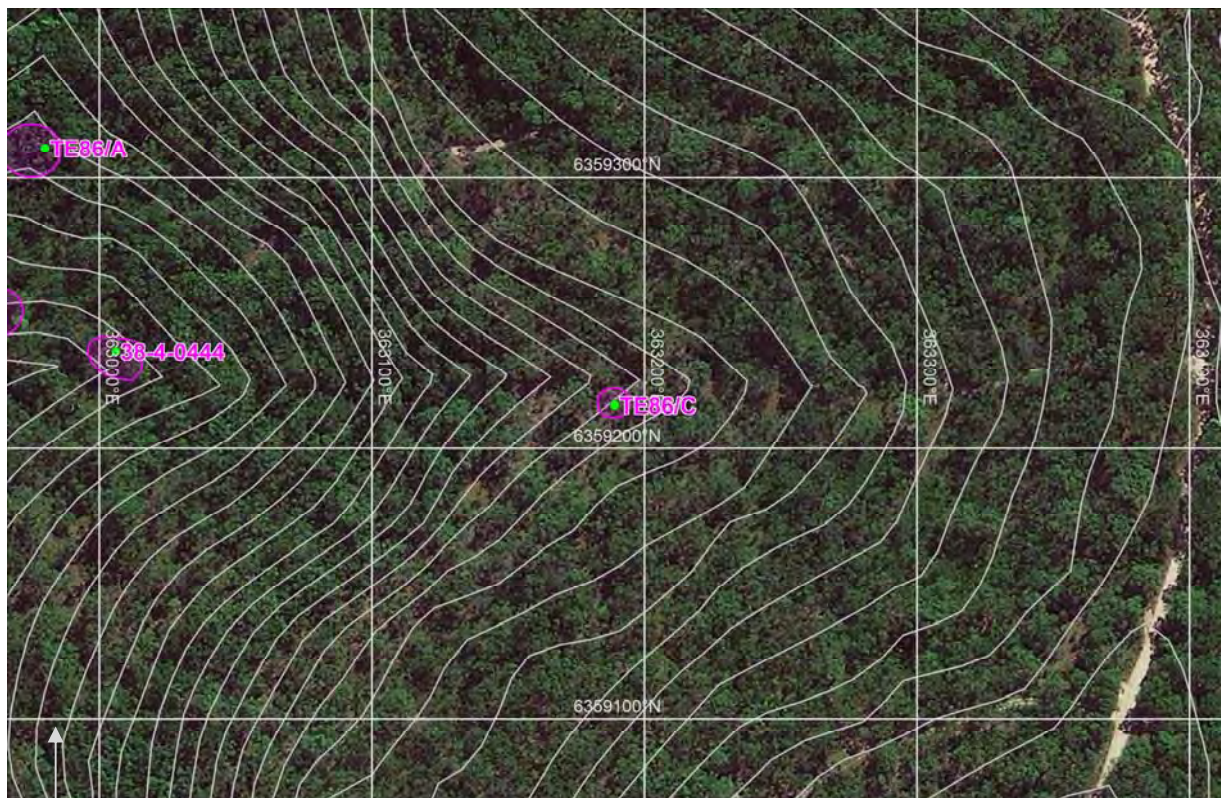
### Additional Comments:

- ☐ Two grooves, weathered by water overflow.

# Site Plan: Tasman Extension 86/C



## Site Location: Tasman Extension 86/C





Photograph: Tasman Extension 86/C



## SITE NAME: TASMAN EXTENSION 86/D

Site Type: *Open grinding groove*      MGA Grid Reference: *362937:6359054*  
 Date Recorded: *21/9/11*      Topographic Map: *Wallsend 9232-3S*  
 Recorder: *Stephen Free*

Landform Element: *Drainage depression*      Vegetation: *Forest*  
 Slope: *Moderate*      Ground Disturbance: *Low*  
 Distance to Water: *<50*

### Locus A - E:

Extent of Exposed Rock: *5 x 4m*  
 Extent of Grooves: *0.3 x 0.2m*  
 Rock Type: *Sandstone*  
 Rock Form: *Boulder, outcrop*  
 Surface Condition: *Stable*  
 Disturbance: *Low*  
 Type of Disturbance: *Erosion, weathering*

### Groove description:

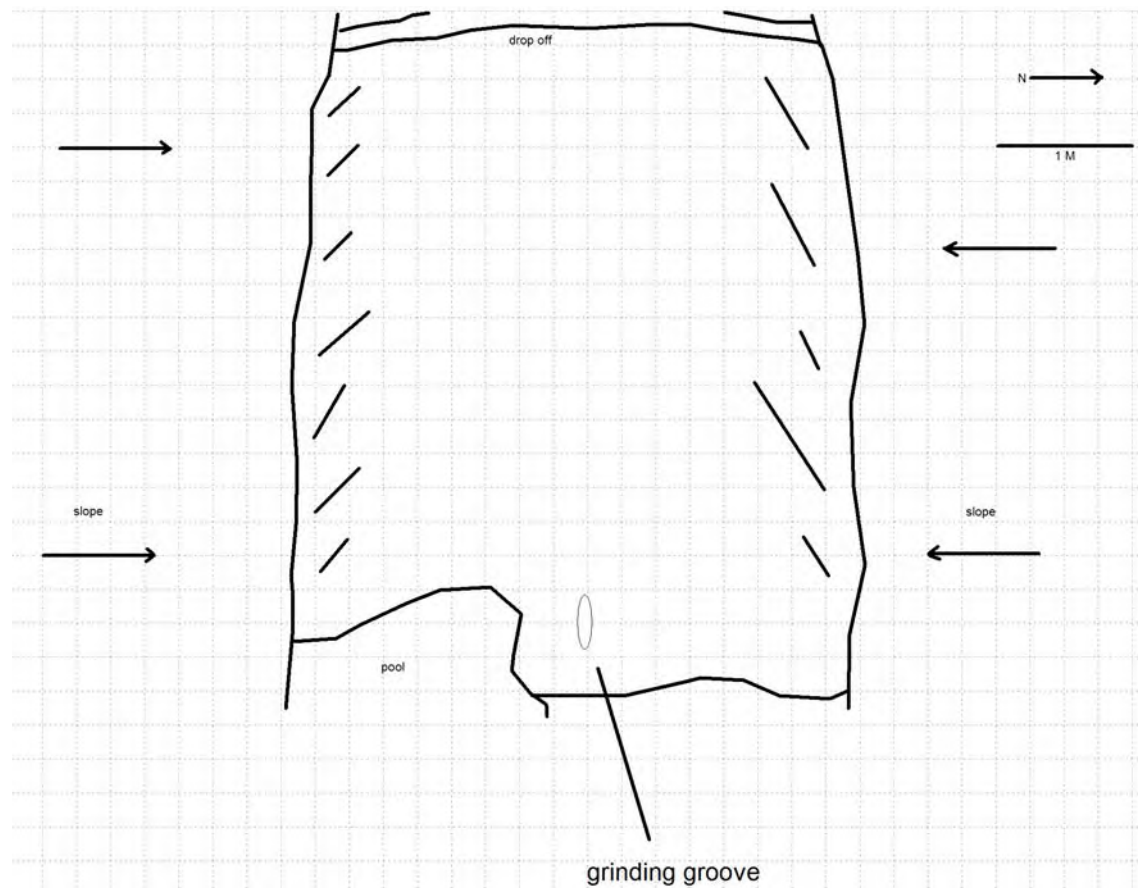
Groove #	Groove Length (mm)	Groove Width (mm)	Groove Depth (mm)	Comments
1	180	70	10	u-shaped

### Additional Comments:

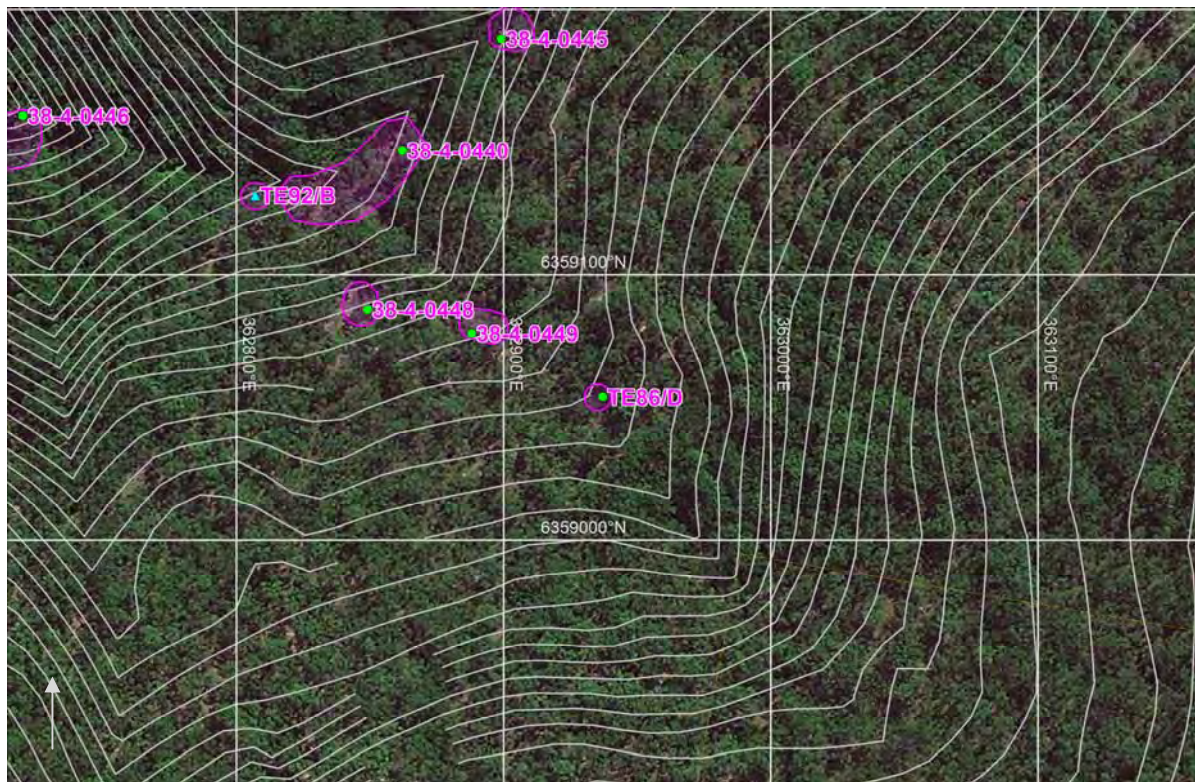
- ☐ Weathering from wind and rain;
- ☐ Elevation 186m.



# Site Plan: Tasman Extension 86/D



## Site Location: Tasman Extension 86/D





Photograph: Tasman Extension 86/D





## SITE NAME: TASMAN EXTENSION 88/A

Site Type: *Open grinding groove*      MGA Grid Reference: *362244:6359305*  
 Date Recorded: *18/10/11*      Topographic Map: *Wallsend 9232-3S*  
 Recorder: *Stephen Free*

Landform Element: *Drainage depression*      Vegetation: *Forested*  
 Slope: *Moderate*      Ground Disturbance: *Low*  
 Distance to Water: *<50*

Extent of Exposed Rock: *2 x 0.7m (locus A), 1 x 0.7m (locus B)*  
 Extent of Grooves: *0.8 x 0.3m (locus A), 0.5 x 0.3m (locus B)*  
 Rock Type: *Sandstone*  
 Rock Form: *Outcrop*  
 Surface Condition: *Stable*  
 Disturbance: *Low*  
 Type of Disturbance: *Weathering*

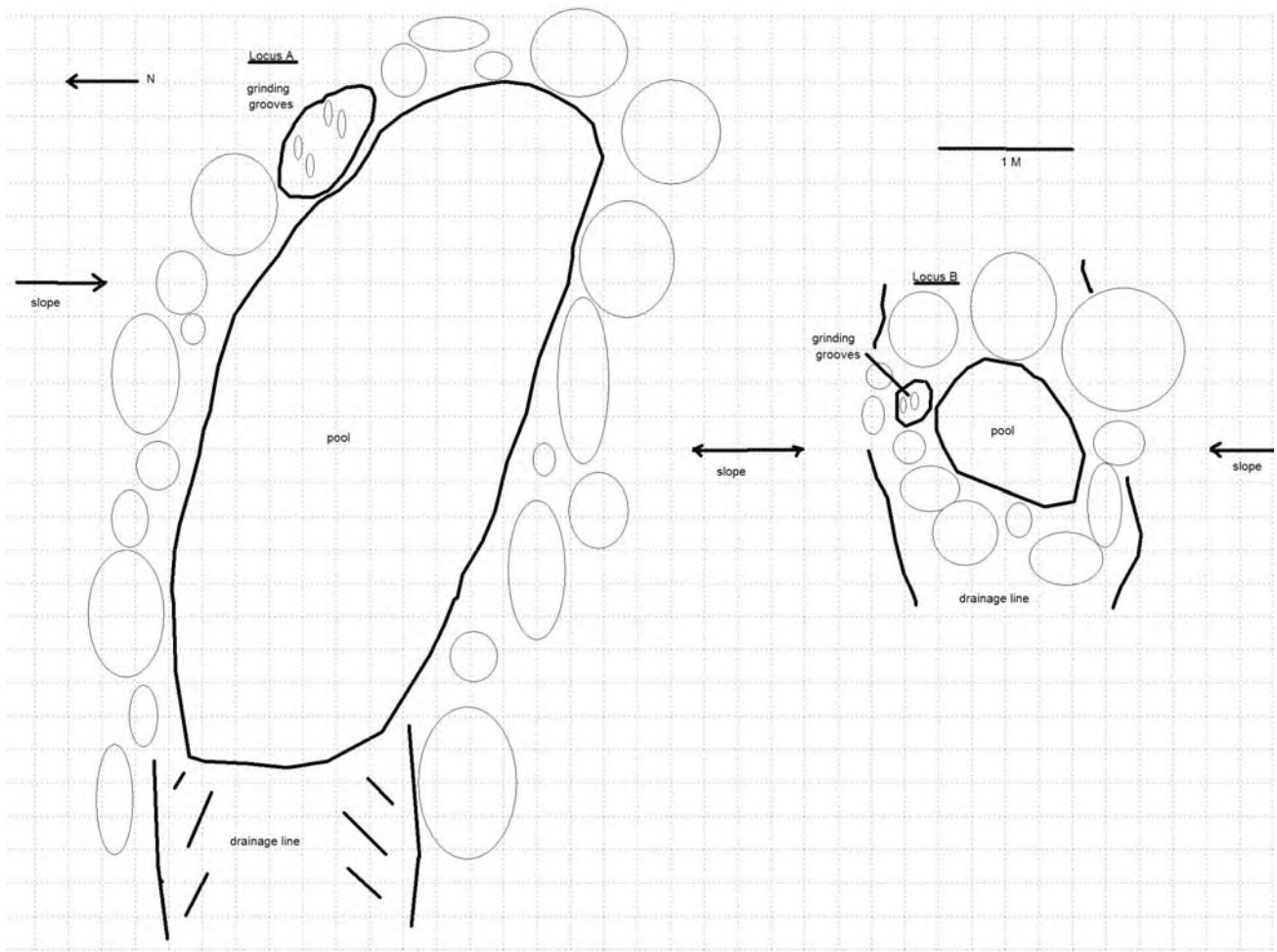
### Groove description:

Groove #	Groove Length (mm)	Groove Width (mm)	Groove Depth (mm)	Comments
1	300	110	25	u-shaped; locus A; MGA 362244:6359305
2	250	100	15	u-shaped
3	240	120	15	u-shaped
4	290	120	15	u-shaped
5	400	100	10	u-shaped; locus B; MGA 362280:6359297
6	460	100	10	u-shaped

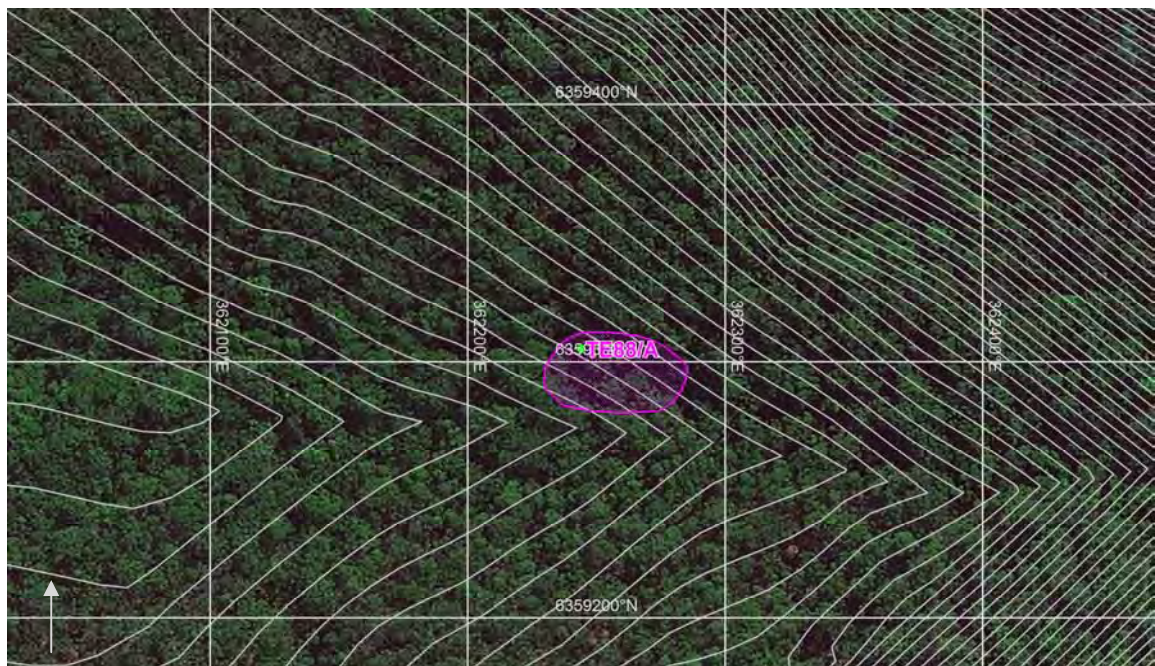
### Additional Comments:

- ☐ Two separate clusters of grooves (loci A and B), 35 metres apart;
- ☐ Grooves weathered by water overflow;
- ☐ Elevation 97m.

## Site Plan: Tasman Extension 88/A



## Site Location: Tasman Extension 88/A





Photograph: Tasman Extension 88/A



## SITE NAME: TASMAN EXTENSION 92/A

Site Type: *Open grinding groove and open artefact*      MGA Grid Reference: *362665:6359180*  
 Date Recorded: *20/9/11*      Topographic Map: *Wallsend 9232-3S*  
 Recorder: *Stephen Free*  
  
 Landform Element: *Drainage depression*      Vegetation: *Forest*  
 Slope: *Moderate*      Ground Disturbance: *Low*  
 Distance to Water: *<50*

Visible Extent of Surface Exposures: Length (m)	Visible Extent of Surface Exposures: Width (m)	Visible Extent of Evidence: Length (m)	Visible Extent of Evidence: Width (m)	Visible Locus Area (m <sup>2</sup> )	Mean Surface Visibility of Locus (%)	Mean Arch. Visibility of Locus (%)	Effective Locus Area (m <sup>2</sup> )	# of Artefacts	# of Artefacts per m <sup>2</sup> of Effective Locus Area	Sub- Surface Deposit
varies	varies	1	1	1	100%	100%	1.0	1	1.0	unlikely

### Locus A - E:

Extent of Exposed Rock: *5 x 4m*  
 Extent of Grooves: *5 x 4m*  
 Rock Type: *Sandstone*  
 Rock Form: *Boulder, outcrop*  
 Surface Condition: *Stable*  
 Disturbance: *Low*  
 Type of Disturbance: *Erosion, weathering*

### Groove description:

Groove #	Groove Length (mm)	Groove Width (mm)	Groove Depth (mm)	Comments
1	360	100	35	u-shaped
2	300	140	20	u-shaped
3	250	60	40	u-shaped
4	300	80	25	u-shaped
5	300	90	20	u-shaped
6	300	80	15	u-shaped
7	360	90	30	u-shaped
8	300	70	20	u-shaped
9	300	70	10	u-shaped
10	340	90	15	u-shaped
11	330	90	15	u-shaped
12	260	90	20	u-shaped
13	360	80	60	u-shaped
14	260	80	15	u-shaped
15	240	90	20	u-shaped
16	250	70	10	u-shaped
17	300	70	90	u-shaped
18	300	100	20	u-shaped
19	200	90	30	u-shaped
20	220	100	30	u-shaped

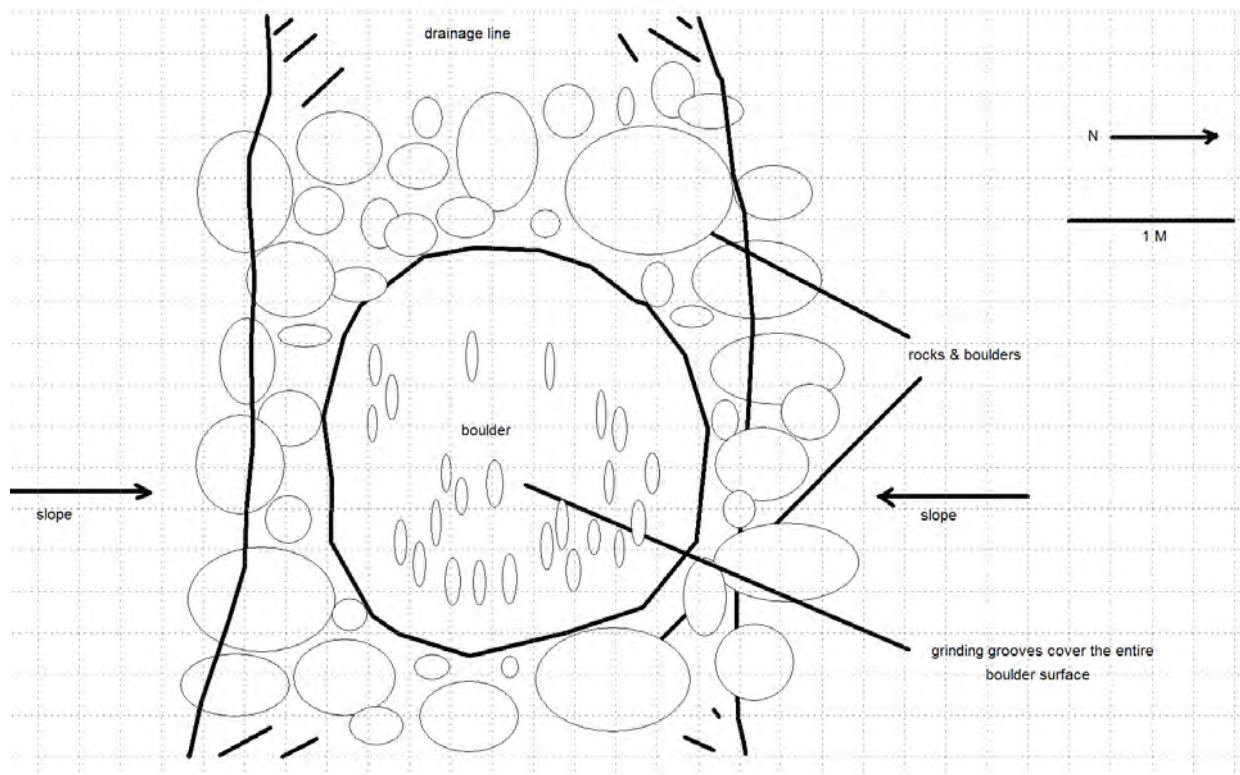


Groove #	Groove Length (mm)	Groove Width (mm)	Groove Depth (mm)	Comments
21	250	60	5	u-shaped
22	370	90	25	u-shaped
23	360	95	30	u-shaped
24	280	90	30	u-shaped
25	280	90	10	u-shaped
26	300	120	40	u-shaped
27	300	90	20	u-shaped
28	300	90	25	u-shaped
29	200	100	20	u-shaped
30	300	100	40	u-shaped
31	300	90	30	u-shaped
32	300	90	30	u-shaped
33	200	80	35	u-shaped
34	220	70	35	u-shaped
35	260	60	16	u-shaped

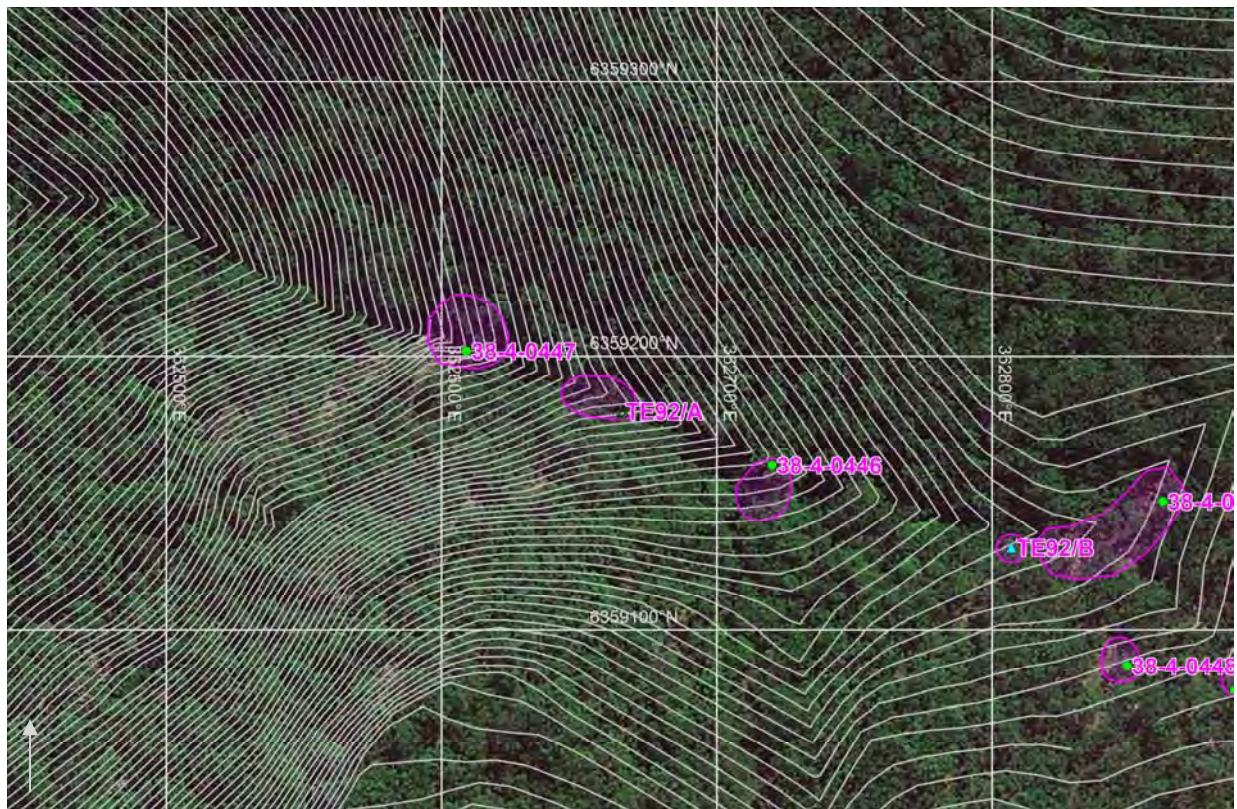
Additional Comments:

- ☐ Weathering caused by wind and rain;
- ☐ Grooves located on surface of large boulder;
- ☐ Hatchet blank located among sandstone boulders on grinding groove platform, 10 metres from groove complex.

# Site Plan: Tasman Extension 92/A



## Site Location: Tasman Extension 92/A





Photograph: Tasman Extension 92/A









## SITE NAME: TASMAN EXTENSION 92/B

Site Type:	<i>Rock shelter with PAD</i>	MGA Grid Reference:	<i>362807:6359130</i>
Date Recorded:	<i>21/9/11</i>	Topographic Map:	<i>Wallsend 9232-3S</i>
Recorder:	<i>Stephen Free</i>		

Landform Element:	<i>Drainage depression</i>	Vegetation:	<i>Forest</i>
Slope:	<i>Moderate</i>	Ground Disturbance:	<i>Low</i>
Distance to Water:	<i>&lt;50</i>		

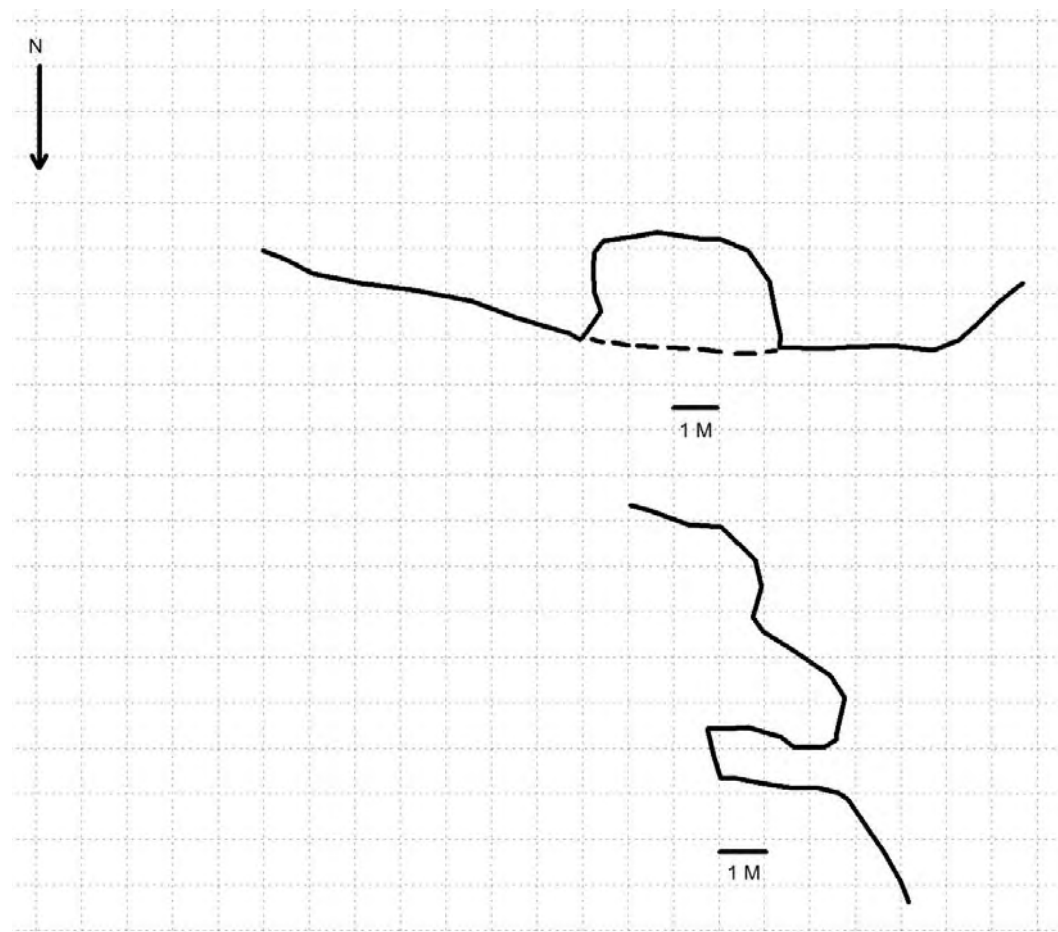
Rock Outcrop Material:	<i>Sandstone</i>
Outcrop Type:	<i>Rock shelter</i>
Outcrop Form:	<i>Scarp, boulder, outcrop</i>
Aspect:	<i>North</i>
Erosion:	<i>Exfoliation, cavernous</i>
Surface Condition:	<i>Stable</i>
Soil:	<i>Silt, sand</i>
Disturbance to Deposit:	<i>Low</i>
Causes of Disturbance:	<i>Erosion</i>

Possible Extent of Potential Archaeological Deposit:	<i>3 x 2m</i>
Possible Depth of Potential Archaeological Deposit:	<i>0.30 metres</i>
# of Artefacts:	<i>0</i>
Visible Extent of Artefacts:	<i>n/a</i>
Archaeological Visibility:	
Shelter Floor Area:	<i>3 x 2 metres</i>
Habitable Shelter Area (roof 1+ metres above floor):	

Additional Comments:

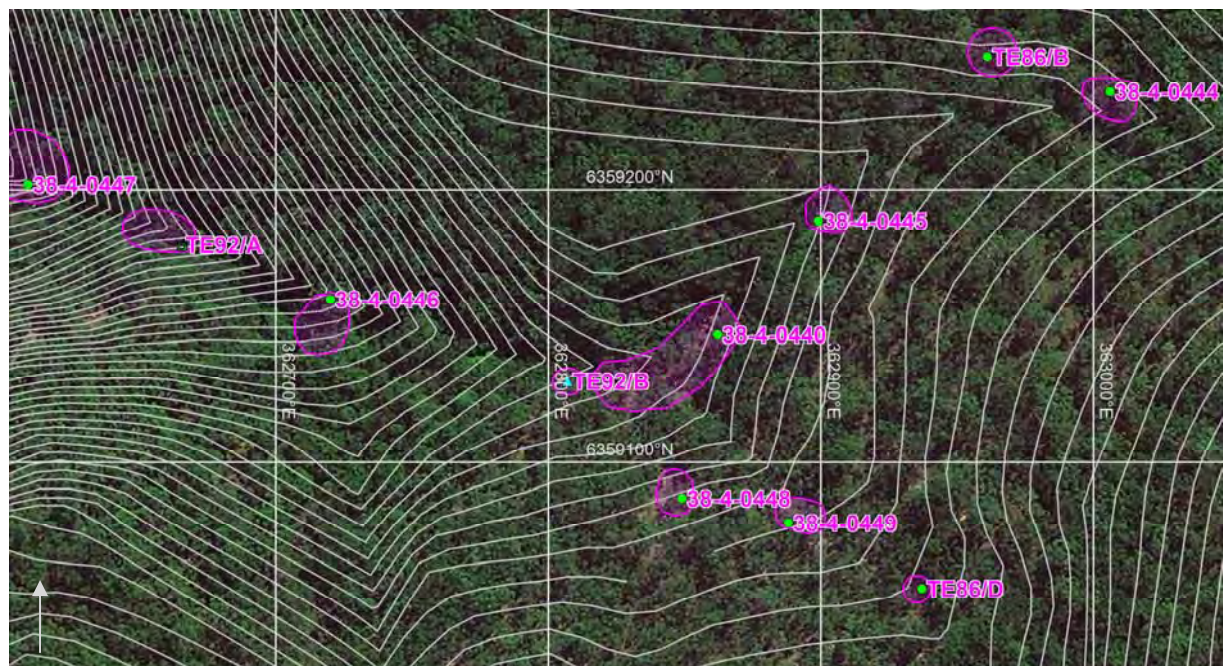
- ☐ Height at entrance 1 metre;
- ☐ Low, small shelter, low potential.

# Site plan and cross-section: Tasman Extension 92/B



KEY: Back wall at floor \_\_\_\_\_ Dripline ..... Deposit/PAD 

Site Location: Tasman Extension 92/B





Photograph: Tasman Extension 92/B



## SITE NAME: TASMAN EXTENSION 96/A

Site Type:	Rock shelter with PAD	MGA Grid Reference:	362329:6358806
Date Recorded:	21/9/11	Topographic Map:	Wallsend 9232-3S
Recorder:	Stephen Free		

Landform Element:	Simple slope	Vegetation:	Forest
Slope:	Steep	Ground Disturbance:	Low
Distance to Water:	>50		

Rock Outcrop Material:	Sandstone
Outcrop Type:	Rock shelter
Outcrop Form:	Scarp, boulder, outcrop
Aspect:	South west
Erosion:	Exfoliation, cavernous
Surface Condition:	Stable
Soil:	Silt, sand
Disturbance to Deposit:	Low
Causes of Disturbance:	Erosion

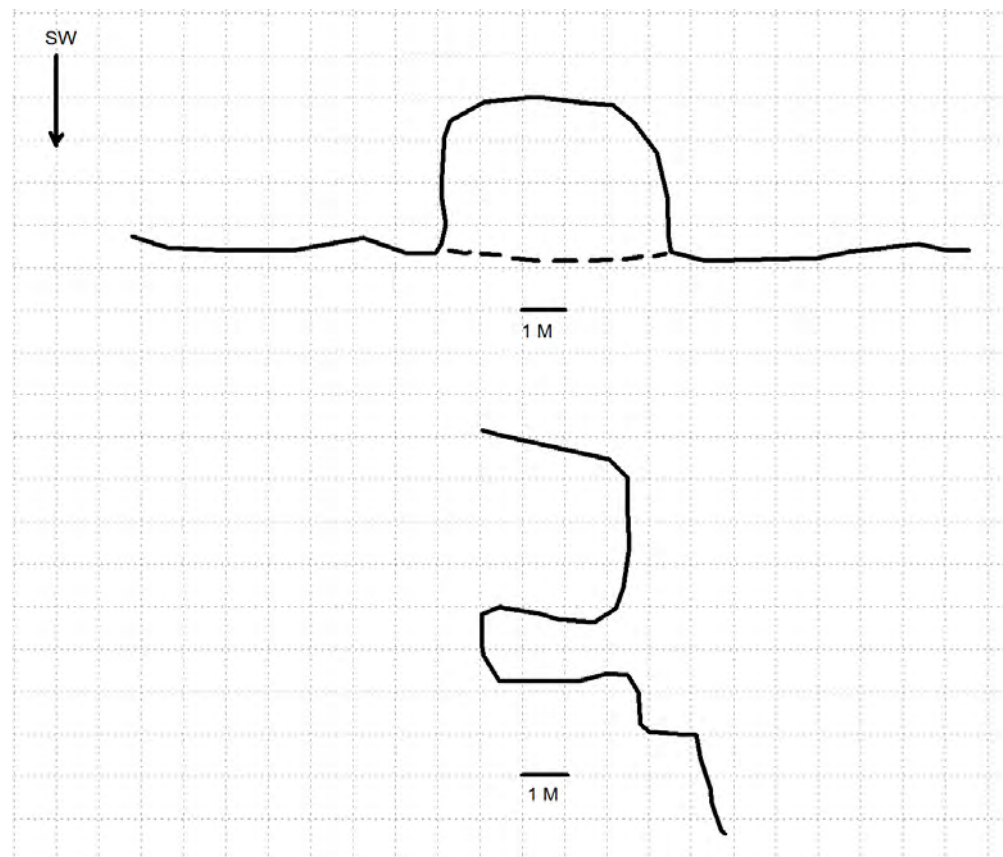
Possible Extent of Potential Archaeological Deposit:	4 x 3m
Possible Depth of Potential Archaeological Deposit:	0.50 metres
# of Artefacts:	0
Visible Extent of Artefacts:	n/a
Archaeological Visibility:	
Shelter Floor Area:	4 x 3 metres
Habitable Shelter Area (roof 1+ metres above floor):	

### Additional Comments:

- ☐ Height at entrance 1.4m;
- ☐ Low, small shelter, low potential.

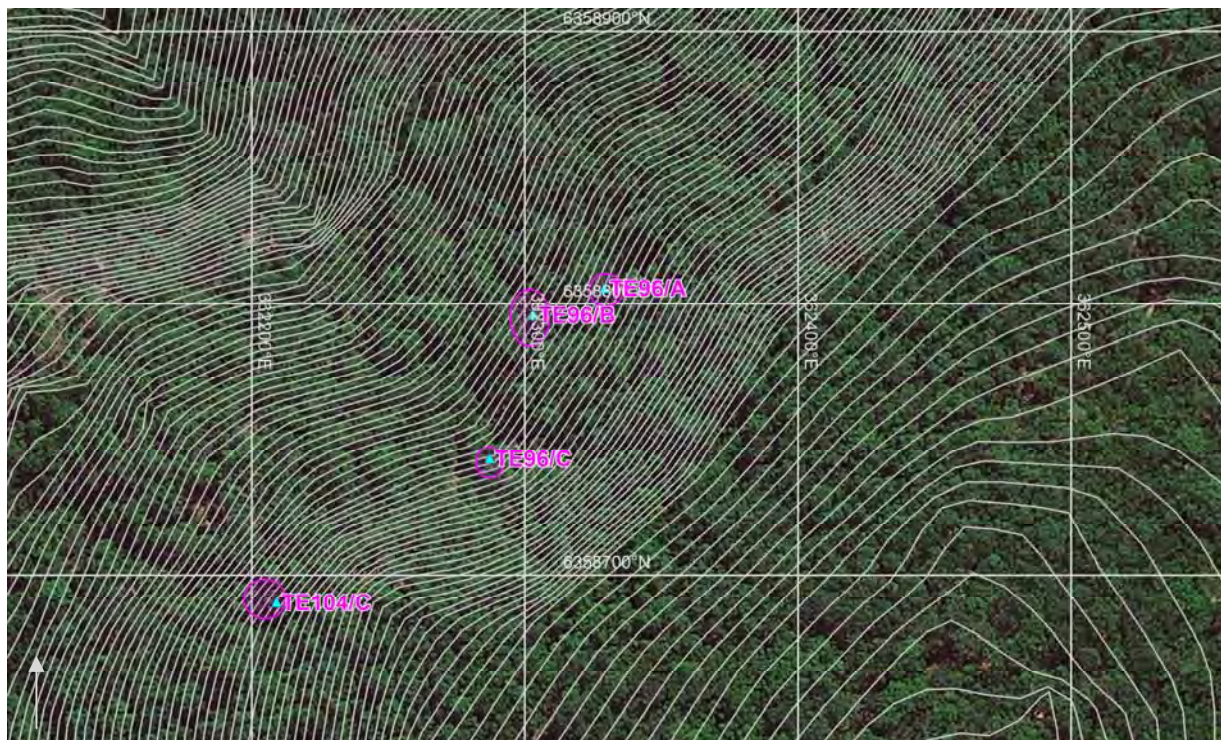


Site plan and cross-section: Tasman Extension 96/A



KEY: Back wall at floor \_\_\_\_\_ Dripline \_\_\_\_\_ Deposit/PAD 

Site Location: Tasman Extension 96/A





Photograph: Tasman Extension 96/A





## SITE NAME: TASMAN EXTENSION 96/B

Site Type:	Rock shelter with PAD	MGA Grid Reference:	362303:6358796
Date Recorded:	21/9/11	Topographic Map:	Wallsend 9232-3S
Recorder:	Stephen Free		

Landform Element:	Simple slope	Vegetation:	Forest
Slope:	Steep	Ground Disturbance:	Low
Distance to Water:	>50		

Rock Outcrop Material:	Sandstone
Outcrop Type:	Rock shelter
Outcrop Form:	Scarp, boulder
Aspect:	South west
Erosion:	Exfoliation, cavernous, honeycomb
Surface Condition:	Stable
Soil:	Silt, sand
Disturbance to Deposit:	Low
Causes of Disturbance:	Erosion

Possible Depth of Potential Archaeological Deposit:	1.5 metres
# of Artefacts:	0
Visible Extent of Artefacts:	n/a
Archaeological Visibility:	
Habitable Shelter Area (roof 1+ metres above floor):	

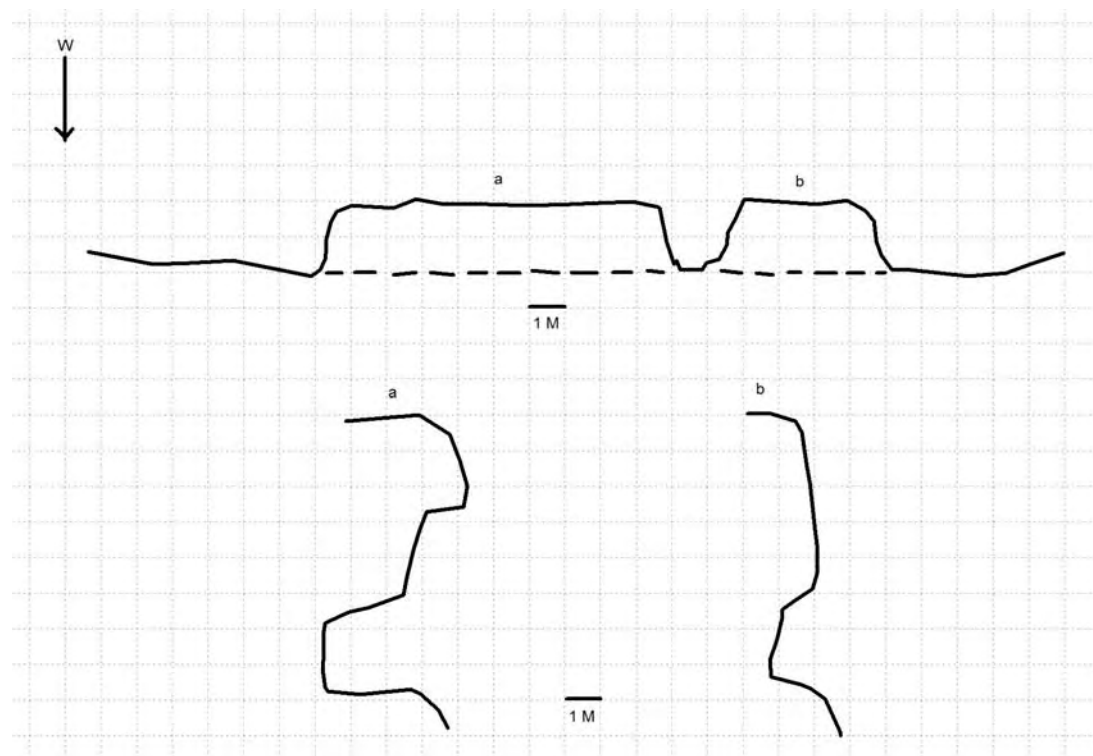
Shelter (a)	
Possible Extent of Potential Archaeological Deposit:	10 x 1.5m
Shelter Floor Area:	10 x 1.5 metres

Shelter (b)	
Possible Extent of Potential Archaeological Deposit:	4.2 x 1.5m
Shelter Floor Area	4.2 x 1.5 metres

### Additional Comments:

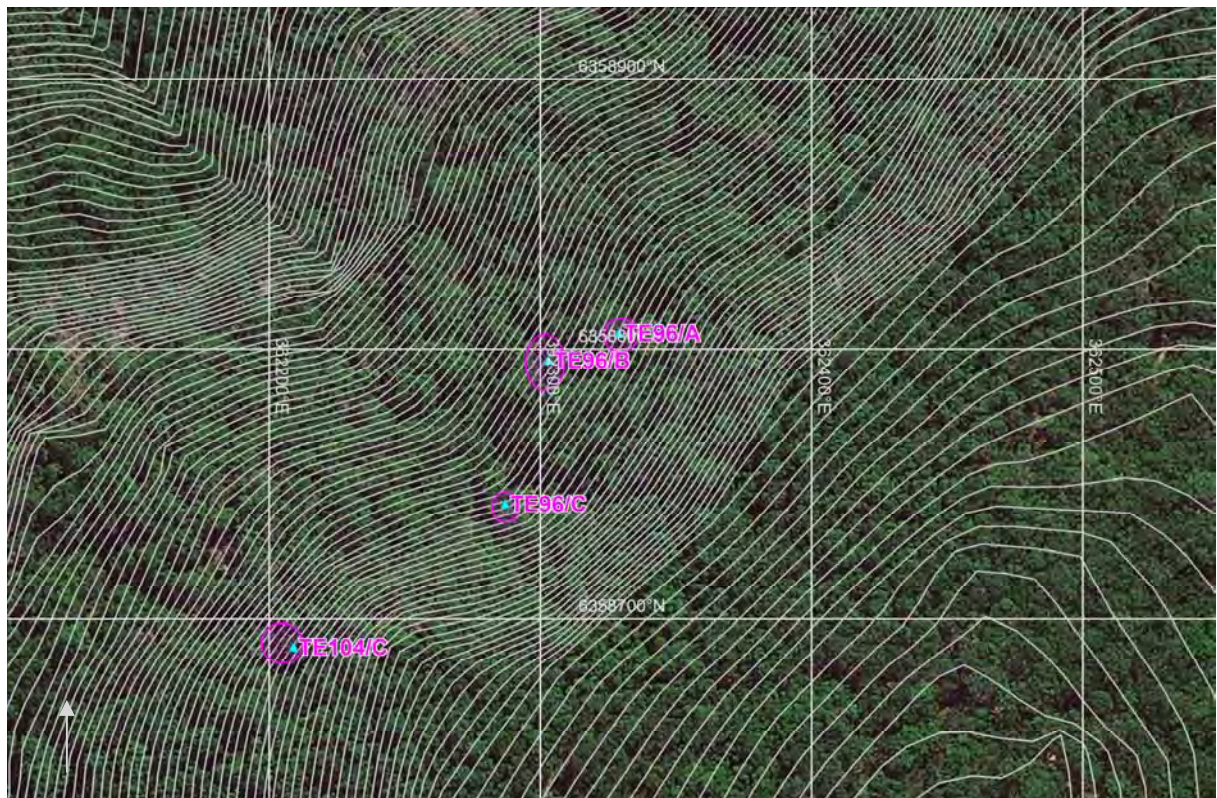
- ☐ Two adjacent rock shelters (a) and (b), 0.5m apart;
- ☐ Height at entrance (a) 2.5m, and (b) 3.5m.

# Site plan and cross-section: Tasman Extension 96/B



KEY: Back wall at floor \_\_\_\_\_ Dripline ..... Deposit/PAD

Site Location: Tasman Extension 96/B





Photograph: Tasman Extension 96/B



## SITE NAME: TASMAN EXTENSION 96/C

Site Type: *Rock shelter with PAD* MGA Grid Reference: *362287:6358743*  
Date Recorded: *21/9/11* Topographic Map: *Wallsend 9232-3S*  
Recorder: *Stephen Free*

Landform Element: *Simple slope* Vegetation: *Forest*  
Slope: *Steep* Ground Disturbance: *Low*  
Distance to Water: *>50*

Rock Outcrop Material: *Sandstone*  
Outcrop Type: *Rock shelter*  
Outcrop Form: *Scarp*  
Aspect: *West*  
Erosion: *Exfoliation, cavernous, honeycomb*  
Surface Condition: *Stable*  
Soil: *Silt, sand*  
Disturbance to Deposit: *Low*  
Causes of Disturbance: *Erosion*

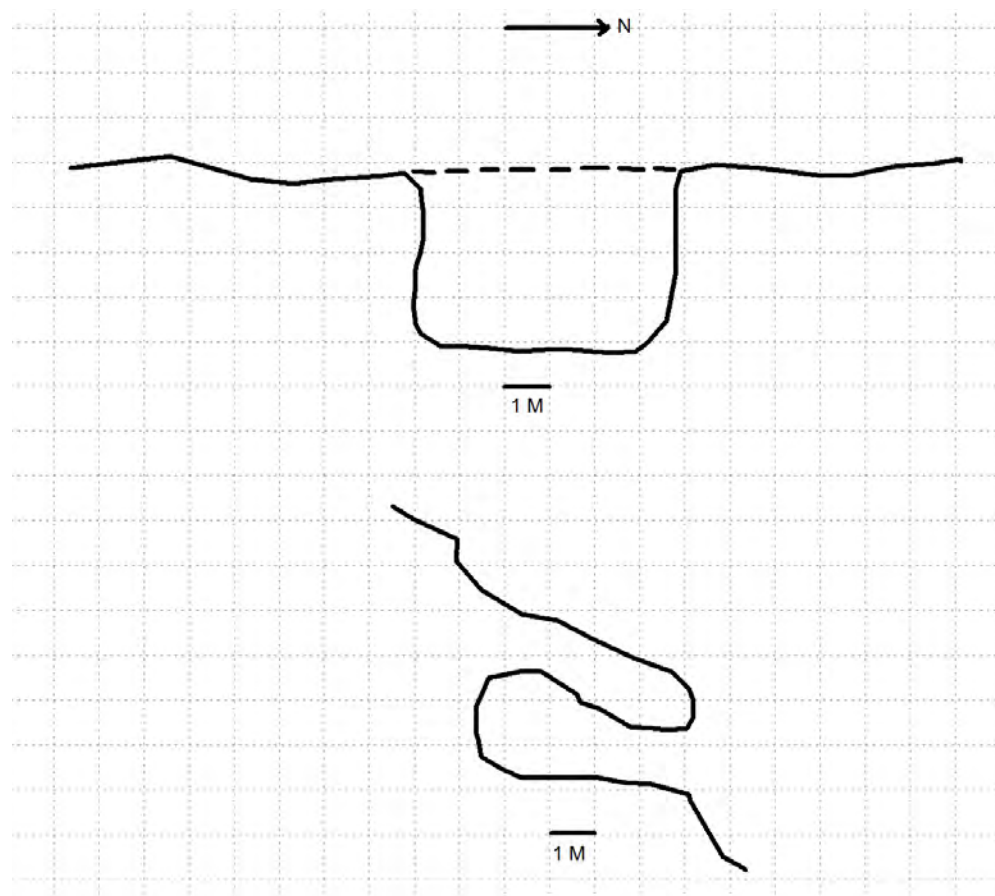
Possible Extent of Potential Archaeological Deposit: *5 x 4m*  
Possible Depth of Potential Archaeological Deposit: *0.7 metres*  
# of Artefacts: *0*  
Visible Extent of Artefacts: *n/a*  
Archaeological Visibility:  
Shelter Floor Area: *5 x 4 metres*  
Habitable Shelter Area (roof 1+ metres above floor):

Additional Comments:

☐ Height at entrance 1.5 metres.

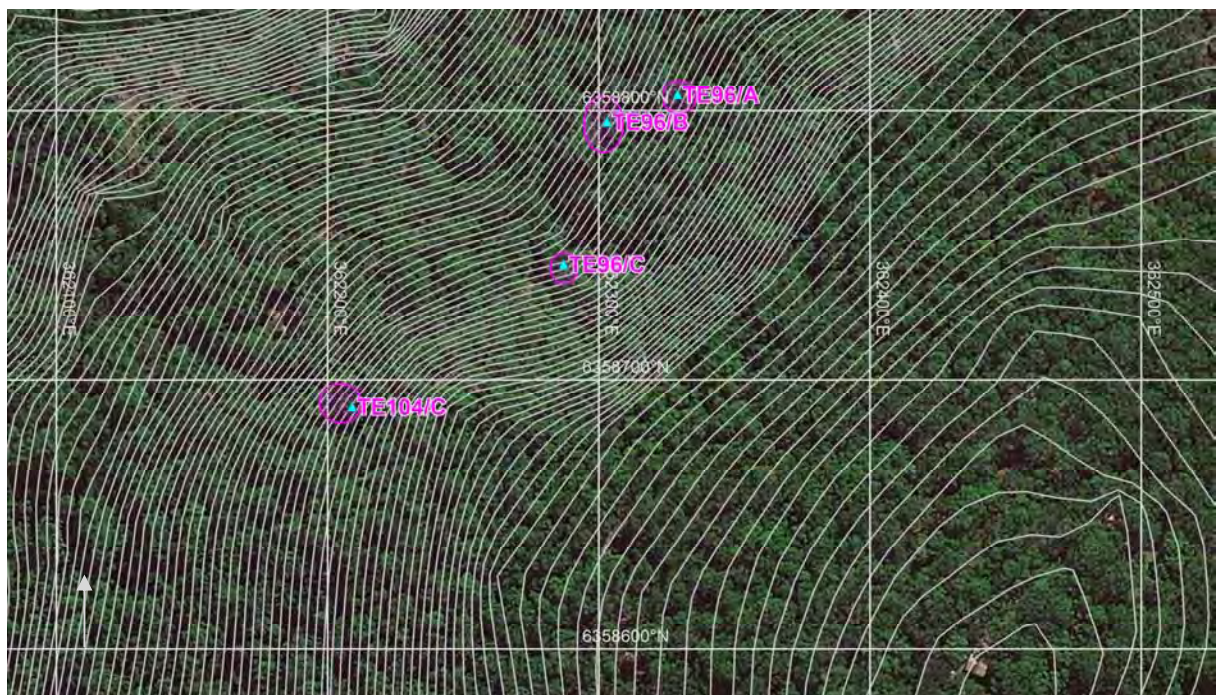


# Site plan and cross-section: Tasman Extension 96/C



KEY: Back wall at floor \_\_\_\_\_ Dripline ..... Deposit/PAD

Site Location: Tasman Extension 96/C



Photograph: Tasman Extension 96/C





## SITE NAME: TASMAN EXTENSION 104/A

Site Type:	Rock shelter with PAD	MGA Grid Reference:	362151:6358448
Date Recorded:	22/9/11	Topographic Map:	Wallsend 9232-3S
Recorder:	Stephen Free		

Landform Element:	Simple slope	Vegetation:	Forest
Slope:	Steep	Ground Disturbance:	Low
Distance to Water:	>50		

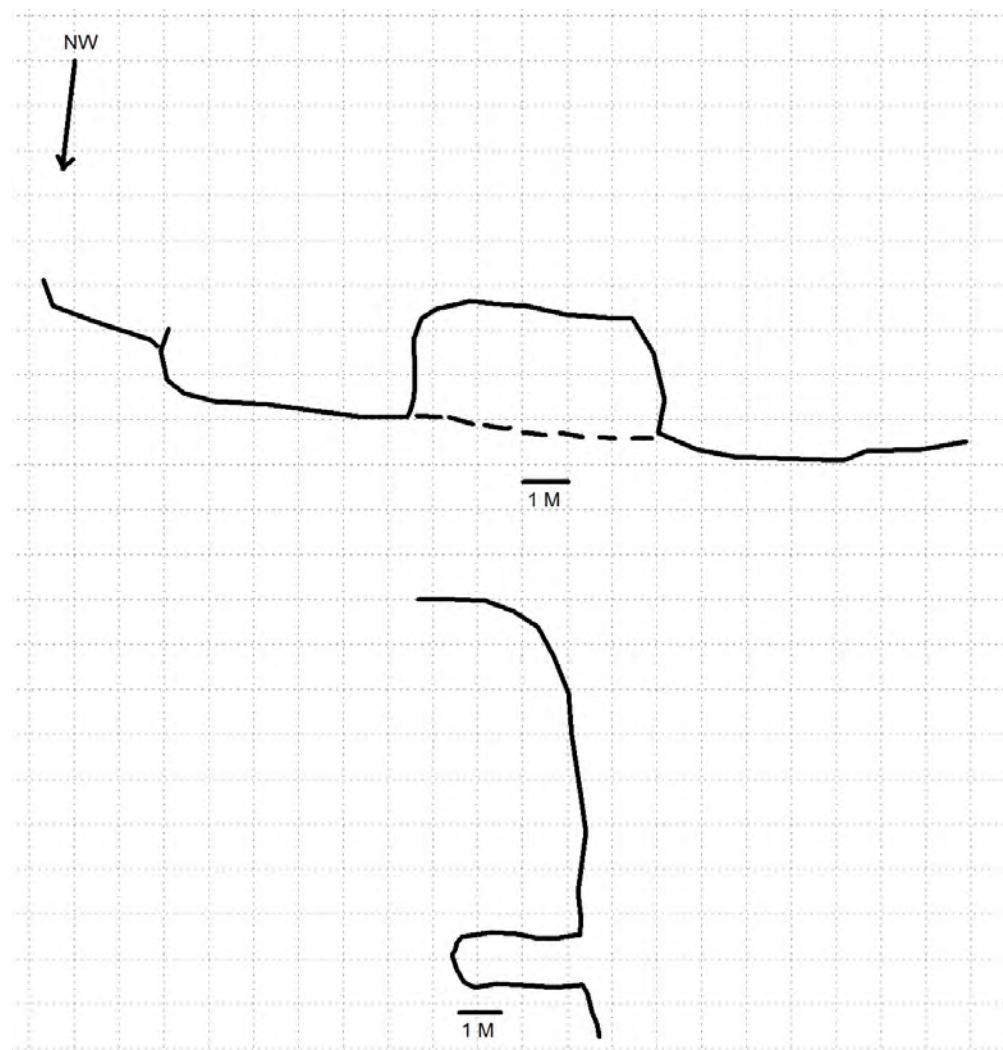
Rock Outcrop Material:	Sandstone
Outcrop Type:	Rock shelter
Outcrop Form:	Cliff, scarp, boulder, outcrop
Aspect:	North west
Erosion:	Exfoliation, cavernous, honeycomb
Surface Condition:	Stable
Soil:	Silt, sand
Disturbance to Deposit:	Low
Causes of Disturbance:	Erosion

Possible Extent of Potential Archaeological Deposit:	4 x 2.5m
Possible Depth of Potential Archaeological Deposit:	0.50 metres
# of Artefacts:	0
Visible Extent of Artefacts:	n/a
Archaeological Visibility:	
Shelter Floor Area:	4 x 2.5 metres
Habitable Shelter Area (roof 1+ metres above floor):	

### Additional Comments:

- ☐ Height at entrance 1.2 metres;
- ☐ Natural weathering, 0.5m build-up of eroded sandstone.

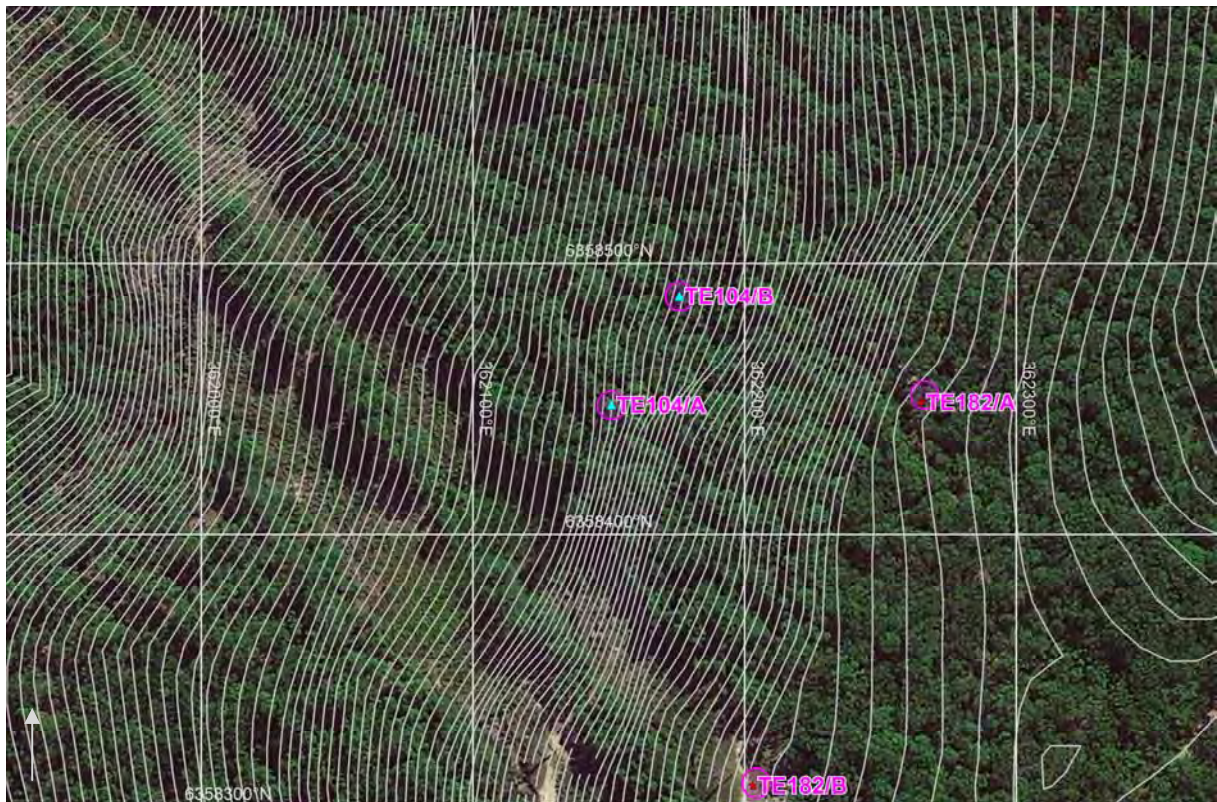
Site plan and cross-section: Tasman Extension 104/A



KEY: Back wall at floor \_\_\_\_\_ Dripline ..... Deposit/PAD 



Site Location: Tasman Extension 104/A



Photograph: Tasman Extension 104/A



## SITE NAME: TASMAN EXTENSION 104/B

Site Type:	Rock shelter with PAD	MGA Grid Reference:	362176:6358488
Date Recorded:	22/9/11	Topographic Map:	Wallsend 9232-3S
Recorder:	Stephen Free		

Landform Element:	Simple slope	Vegetation:	Forest
Slope:	Steep	Ground Disturbance:	Low
Distance to Water:	>50		

Rock Outcrop Material:	Sandstone
Outcrop Type:	Rock shelter
Outcrop Form:	Cliff, boulder, outcrop
Aspect:	North west
Erosion:	Exfoliation, cavernous
Surface Condition:	Stable
Soil:	Silt, sand
Disturbance to Deposit:	Low
Causes of Disturbance:	Erosion

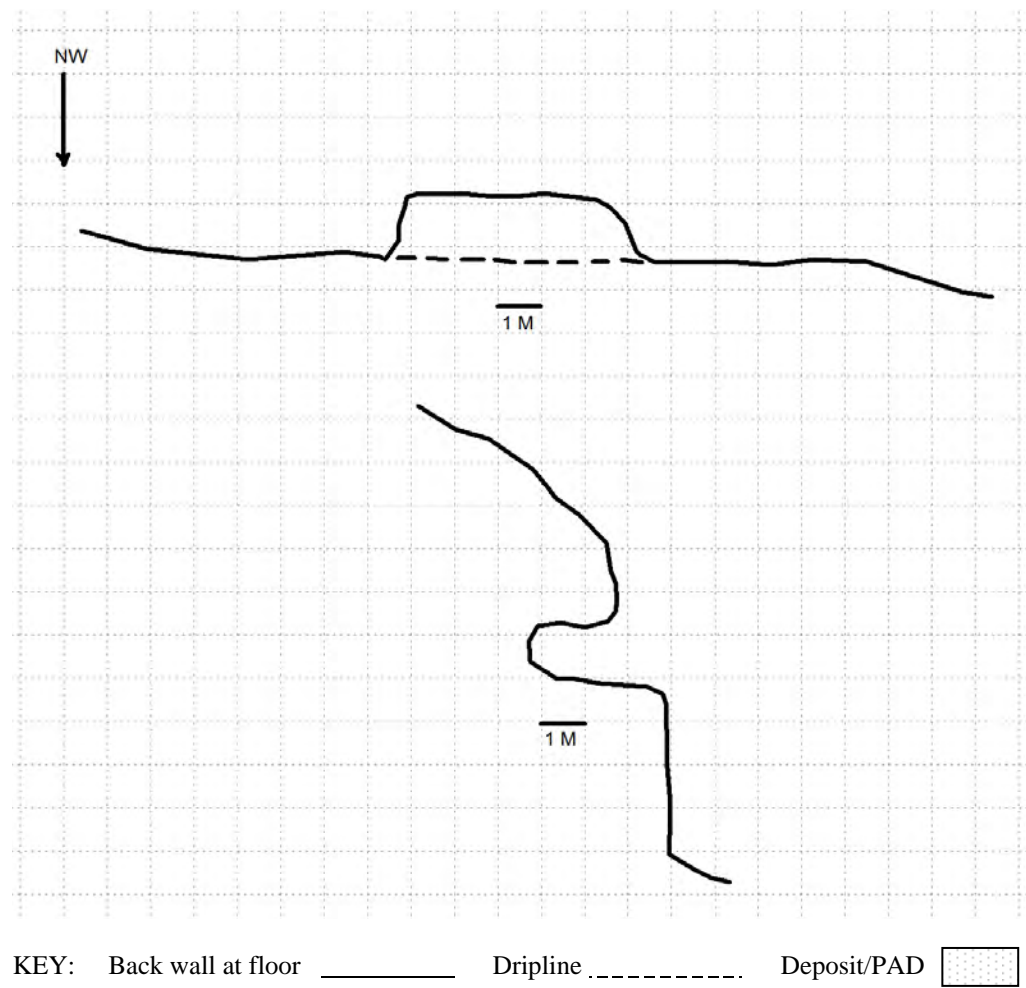
Possible Extent of Potential Archaeological Deposit:	4 x 1.5m
Possible Depth of Potential Archaeological Deposit:	0.40 metres
# of Artefacts:	0
Visible Extent of Artefacts:	n/a
Archaeological Visibility:	
Shelter Floor Area:	4 x 1.5 metres
Habitable Shelter Area (roof 1+ metres above floor):	

Additional Comments:

- ☐ Height at entrance 1.5 metres.

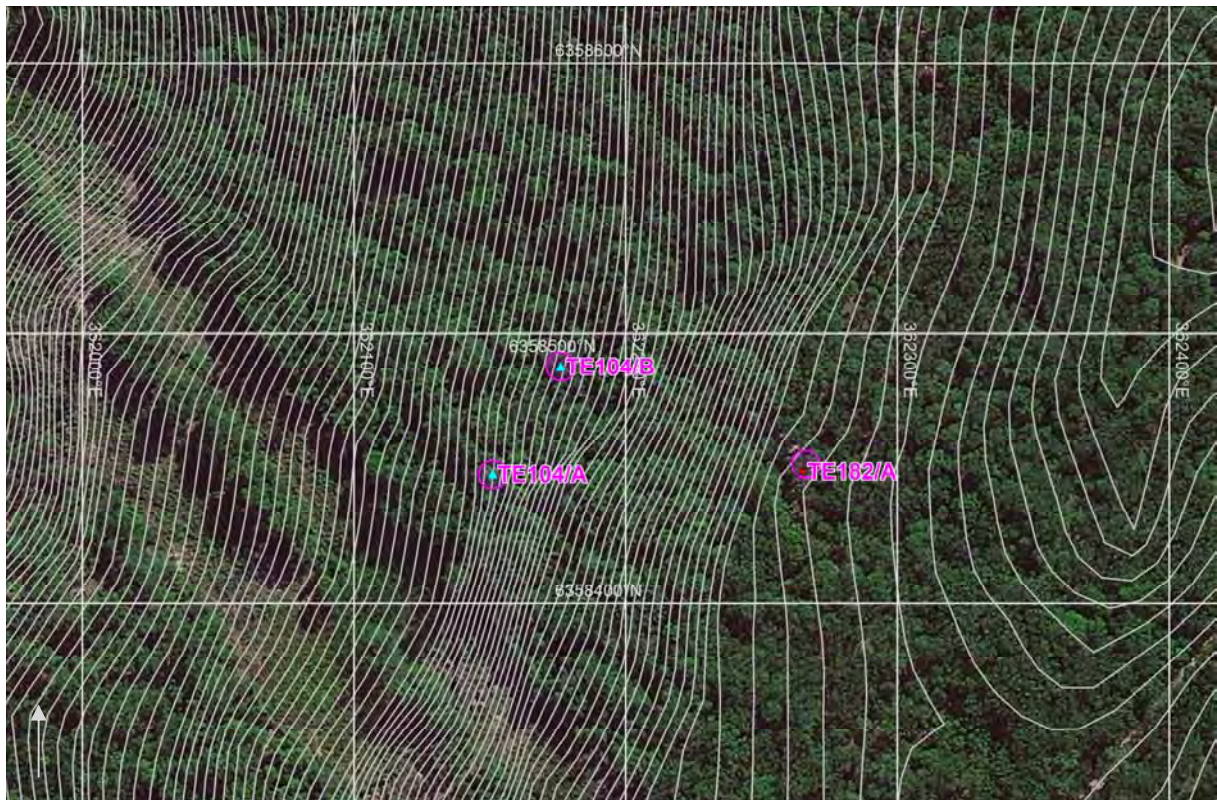


Site plan and cross-section: Tasman Extension 104/B





Site Location: Tasman Extension 104/B



Photograph: Tasman Extension 104/B





## SITE NAME: TASMAN EXTENSION 104/C

Site Type: *Rock shelter with PAD* MGA Grid Reference: *362209:6358690*  
Date Recorded: *22/9/11* Topographic Map: *Wallsend 9232-3S*  
Recorder: *Stephen Free*

Landform Element: *Simple slope* Vegetation: *Forest*  
Slope: *Steep* Ground Disturbance: *Low*  
Distance to Water: *>50*

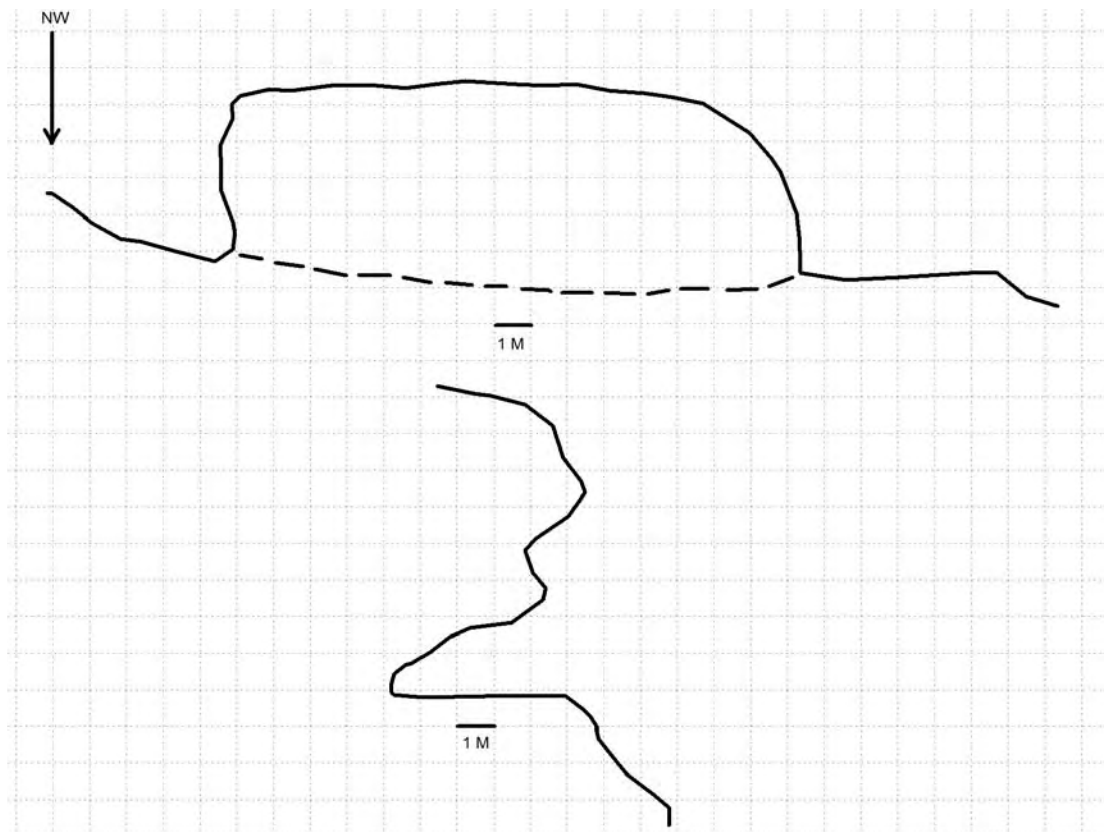
Rock Outcrop Material: *Sandstone*  
Outcrop Type: *Rock shelter*  
Outcrop Form: *Cliff, scarp, boulder, outcrop*  
Aspect: *North west*  
Erosion: *Exfoliation, cavernous*  
Surface Condition: *Stable*  
Soil: *Silt, sand*  
Disturbance to Deposit: *Low*  
Causes of Disturbance: *Erosion*

Possible Extent of Potential Archaeological Deposit: *15 x 4m*  
Possible Depth of Potential Archaeological Deposit: *0.30 metres*  
# of Artefacts: *0*  
Visible Extent of Artefacts: *n/a*  
Archaeological Visibility:  
Shelter Floor Area: *15 x 5 metres*  
Habitable Shelter Area (roof 1+ metres above floor):

Additional Comments:

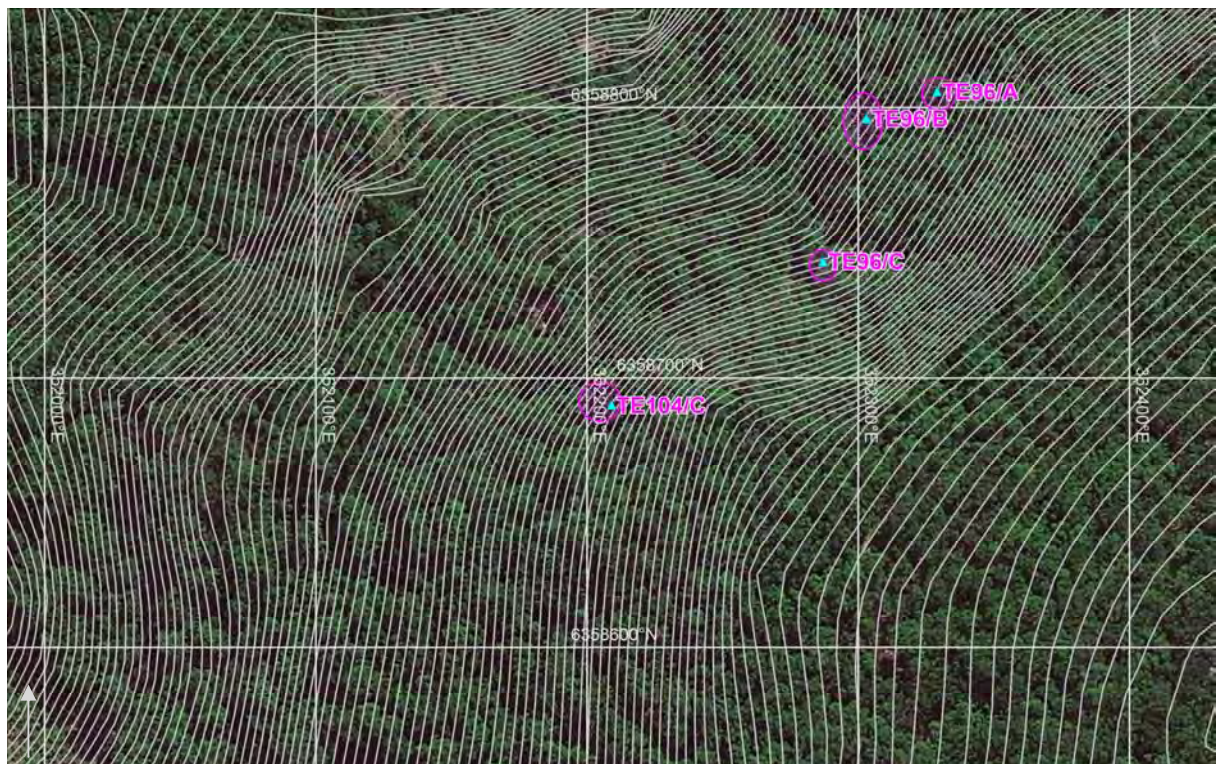
☐ Height at entrance 2 metres.

# Site plan and cross-section: Tasman Extension 104/C



KEY: Back wall at floor \_\_\_\_\_ Dripline ..... Deposit/PAD

Site Location: Tasman Extension 104/C





Photograph: Tasman Extension 104/C



## SITE NAME: TASMAN EXTENSION 107/A

Site Type:	Isolated artefact	MGA Grid Reference:	361718:6358921
Date Recorded:	27/9/11	Topographic Map:	Wallsend 9232-3S
Recorder:	Stephen Free		
Landform Element:	Simple slope	Vegetation:	Cleared
Slope:	Gentle	Ground Disturbance:	High
Distance to Water:	>50		

Visible Extent of Surface Exposures: Length (m)	Visible Extent of Surface Exposures: Width (m)	Visible Extent of Evidence: Length (m)	Visible Extent of Evidence: Width (m)	Visible Locus Area (m <sup>2</sup> )	Mean Surface Visibility of Locus (%)	Mean Arch. Visibility of Locus (%)	Effective Locus Area (m <sup>2</sup> )	# of Artefacts	# of Artefacts per m <sup>2</sup> of Effective Locus Area	Sub- Surface Deposit
1	1	1	1	1	10%	10%	0.10	1	10	unlikely

### Additional Comments:

- ☐ Artefact located under transmission line on unused track;
- ☐ Silcrete flake.



Site Location: Tasman Extension 107/A



Photograph: Tasman Extension 107/A



## SITE NAME: TASMAN EXTENSION 124/A

Site Type: *Artefact scatter*      MGA Grid Reference: *361285:6359435*  
 Date Recorded: *23/9/11*      Topographic Map: *Wallsend 9232-3S*  
 Recorder: *Leigh Bate*

Landform Element: *Flat*      Vegetation: *Cleared*  
 Slope: *Level - very gentle*      Ground Disturbance: *High*  
 Distance to Water: *>50*

Visible Extent of Surface Exposures: Length (m)	Visible Extent of Surface Exposures: Width (m)	Visible Extent of Evidence: Length (m)	Visible Extent of Evidence: Width (m)	Visible Locus Area (m <sup>2</sup> )	Mean Surface Visibility of Locus (%)	Mean Arch. Visibility of Locus (%)	Effective Locus Area (m <sup>2</sup> )	# of Artefacts	# of Artefacts per m <sup>2</sup> of Effective Locus Area	Sub- Surface Deposit
varies	varies	110	10	1100	80%	30%	330	6	0.018	possible

### Additional Comments:

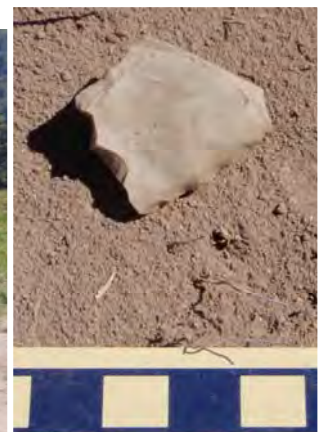
- ☐ Within transmission line easement;
- ☐ 2 tuff flake portions, 1 tuff retouched flake, 1 silcrete flake portion and 2 silcrete flakes.



Site Location: Tasman Extension 124/A



Photograph: Tasman Extension 124/A (inset - retouched tuff flake)



## SITE NAME: TASMAN EXTENSION 126/A

Site Type: *Artefact scatter*      MGA Grid Reference: *360959:6359845*  
 Date Recorded: *23/9/11*      Topographic Map: *Wallsend 9232-3S*  
 Recorder: *Leigh Bate*

Landform Element: *Flat*      Vegetation: *Cleared*  
 Slope: *Level - very gentle*      Ground Disturbance: *High*  
 Distance to Water: *>50*

Visible Extent of Surface Exposures: Length (m)	Visible Extent of Surface Exposures: Width (m)	Visible Extent of Evidence: Length (m)	Visible Extent of Evidence: Width (m)	Visible Locus Area (m <sup>2</sup> )	Mean Surface Visibility of Locus (%)	Mean Arch. Visibility of Locus (%)	Effective Locus Area (m <sup>2</sup> )	# of Artefacts	# of Artefacts per m <sup>2</sup> of Effective Locus Area	Sub- Surface Deposit
varies	varies	100	30	3000	40%	10%	300	5	0.017	unlikely

### Additional Comments:

- ☐ Artefacts located within powerline easement;
- ☐ Tuff cobbles (tabular) present;
- ☐ 2 tuff flakes, 1 tuff core, 1 silcrete flake portion and 1 silcrete lithic fragment.



Site Location: Tasman Extension 126/A



Photograph: Tasman Extension 126/A (inset - tuff artefact)



## SITE NAME: TASMAN EXTENSION 126/B

Site Type: *Artefact scatter*      MGA Grid Reference: *361114:6359646*  
 Date Recorded: *23/9/11*      Topographic Map: *Wallsend 9232-3S*  
 Recorder: *Leigh Bate*

Landform Element: *Flat*      Vegetation: *Cleared*  
 Slope: *Level - very gentle*      Ground Disturbance: *High*  
 Distance to Water: *>50*

Visible Extent of Surface Exposures: Length (m)	Visible Extent of Surface Exposures: Width (m)	Visible Extent of Evidence: Length (m)	Visible Extent of Evidence: Width (m)	Visible Locus Area (m <sup>2</sup> )	Mean Surface Visibility of Locus (%)	Mean Arch. Visibility of Locus (%)	Effective Locus Area (m <sup>2</sup> )	# of Artefacts	# of Artefacts per m <sup>2</sup> of Effective Locus Area	Sub- Surface Deposit
varies	varies	40	5	200	40%	10%	20	2	0.100	possible

### Additional Comments:

- ☐ Disturbance caused by construction of transmission line;
- ☐ Silcrete core and silcrete flake.



Site Location: Tasman Extension 126/B



Photograph: Tasman Extension 126/B



## SITE NAME: TASMAN EXTENSION 126/C

Site Type: *Artefact scatter*      MGA Grid Reference: *361192:6359529*  
 Date Recorded: *23/9/11*      Topographic Map: *Wallsend 9232-3S*  
 Recorder: *Leigh Bate*

Landform Element: *Flat*      Vegetation: *Cleared*  
 Slope: *Level - very gentle*      Ground Disturbance: *High*  
 Distance to Water: *>50*

Visible Extent of Surface Exposures: Length (m)	Visible Extent of Surface Exposures: Width (m)	Visible Extent of Evidence: Length (m)	Visible Extent of Evidence: Width (m)	Visible Locus Area (m <sup>2</sup> )	Mean Surface Visibility of Locus (%)	Mean Arch. Visibility of Locus (%)	Effective Locus Area (m <sup>2</sup> )	# of Artefacts	# of Artefacts per m <sup>2</sup> of Effective Locus Area	Sub- Surface Deposit
varies	varies	4	2	8	80%	30%	2.4	2	0.833	possible

### Additional Comments:

- ☐ Disturbance caused by construction of transmission line;
- ☐ 2 tuff flakes.



Site Location: Tasman Extension 126/C



Photograph: Tasman Extension 126/C (inset - tuff flake)



## SITE NAME: TASMAN EXTENSION 135/A

Site Type:	Artefact scatter	MGA Grid Reference:	360148:6358428
Date Recorded:	19/10/11	Topographic Map:	Wallsend 9232-3S
Recorder:	Leigh Bate		
Landform Element:	Ridge crest	Vegetation:	Cleared
Slope:	Level-very gentle	Ground Disturbance:	High
Distance to Water:	<50		

Visible Extent of Surface Exposures: Length (m)	Visible Extent of Surface Exposures: Width (m)	Visible Extent of Evidence: Length (m)	Visible Extent of Evidence: Width (m)	Visible Locus Area (m <sup>2</sup> )	Mean Surface Visibility of Locus (%)	Mean Arch. Visibility of Locus (%)	Effective Locus Area (m <sup>2</sup> )	# of Artefacts	# of Artefacts per m <sup>2</sup> of Effective Locus Area	Sub- Surface Deposit
varies	varies	10	4	40	70	20	8	19	2.375	possible

Additional Comments:

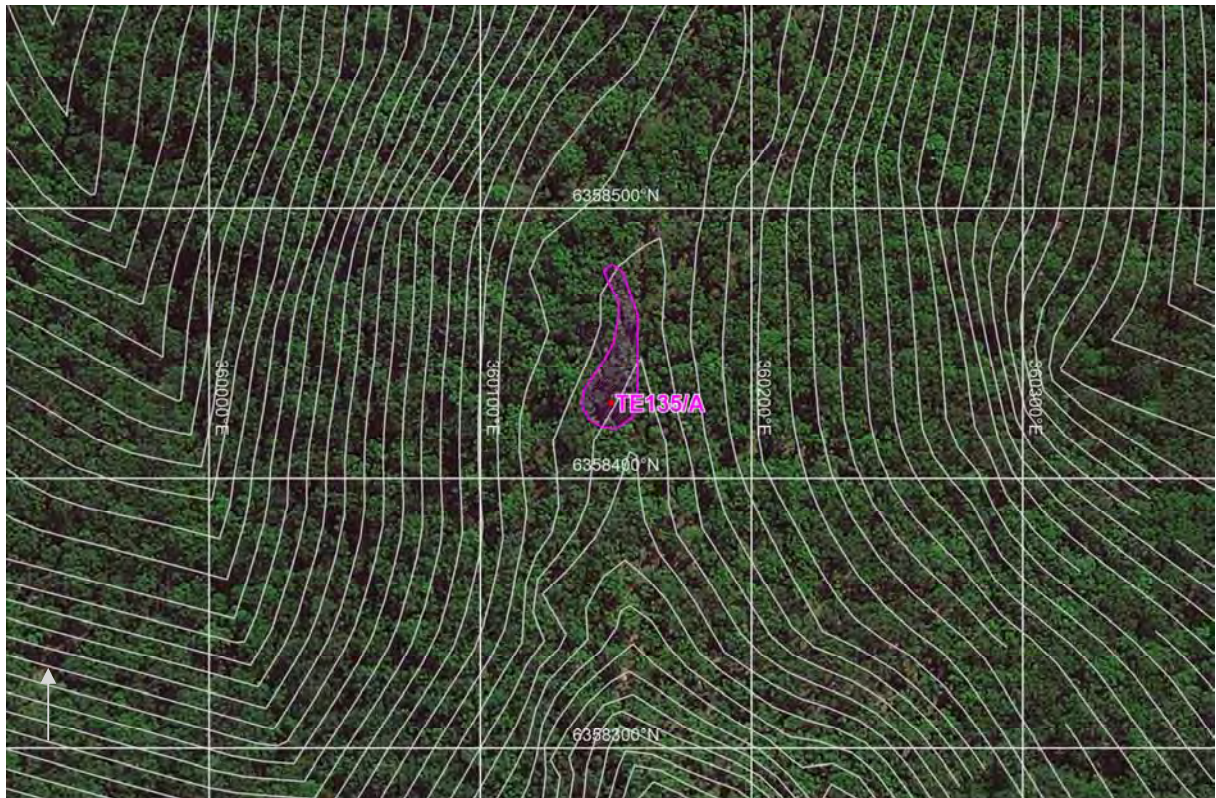
- ☐ Located on drill pad/access track.

Lithic Items:

Lithic Item Type						
Stone Material	flake	flake - distal	flake - medial	lithic fragment	blade core	Total
silcrete	4	2	2	8	1	17
tuff				2		2
<b>Total</b>	<b>4</b>	<b>2</b>	<b>2</b>	<b>10</b>	<b>1</b>	<b>19</b>



Site Location: Tasman Extension 135/A



Photograph: Tasman Extension 135/A



## SITE NAME: TASMAN EXTENSION 135/B

Site Type:	Isolated artefact	MGA Grid Reference:	360208:6358669
Date Recorded:	19/10/11	Topographic Map:	Wallsend 9232-3S
Recorder:	Leigh Bate		
Landform Element:	Ridge crest	Vegetation:	Cleared
Slope:	Level-very gentle	Ground Disturbance:	High
Distance to Water:	<50		

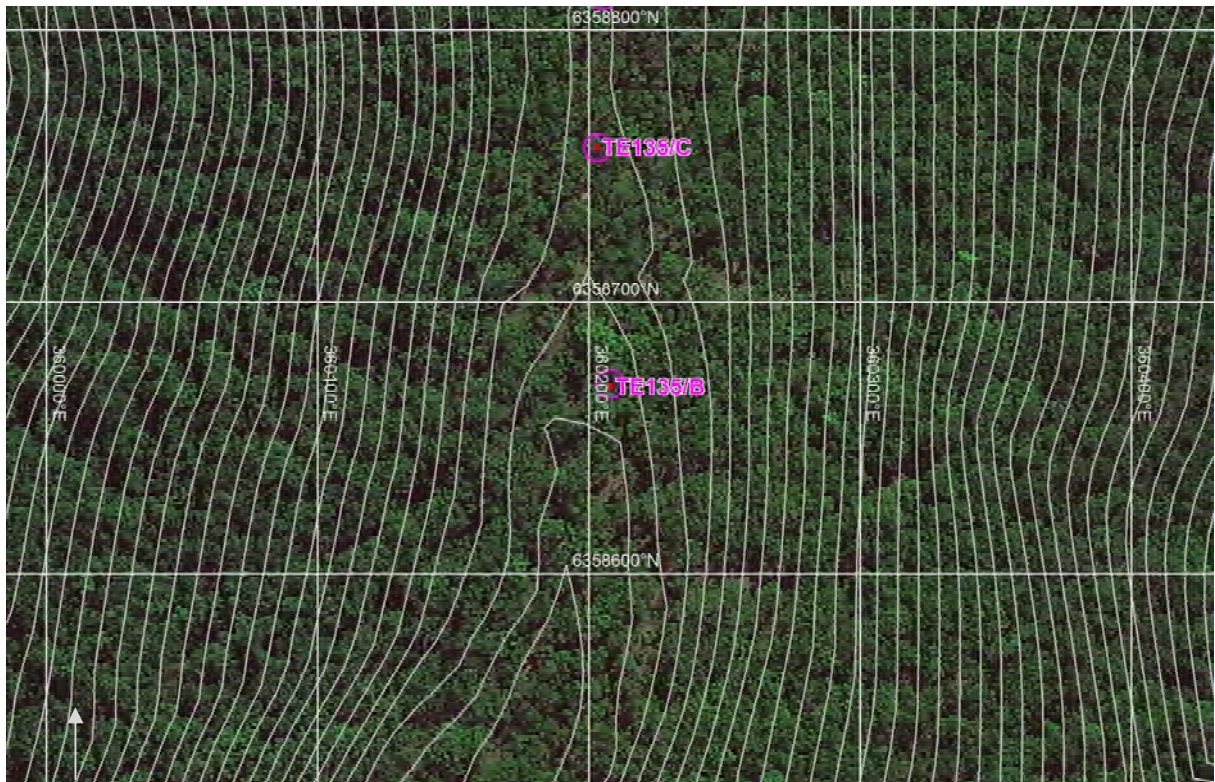
Visible Extent of Surface Exposures: Length (m)	Visible Extent of Surface Exposures: Width (m)	Visible Extent of Evidence: Length (m)	Visible Extent of Evidence: Width (m)	Visible Locus Area (m <sup>2</sup> )	Mean Surface Visibility of Locus (%)	Mean Arch. Visibility of Locus (%)	Effective Locus Area (m <sup>2</sup> )	# of Artefacts	# of Artefacts per m <sup>2</sup> of Effective Locus Area	Sub- Surface Deposit
varies	varies	1	1	1	70	20	0.2	1	5.00	unlikely

### Additional Comments:

- ☐ Site located on access track;
- ☐ Tuff flake.



Site Location: Tasman Extension 135/B



Photograph: Tasman Extension 135/B (inset - tuff flake)



## SITE NAME: TASMAN EXTENSION 135/C

Site Type: *Isolated artefact*      MGA Grid Reference: *360203:6358757*  
 Date Recorded: *19/10/11*      Topographic Map: *Wallsend 9232-3S*  
 Recorder: *Leigh Bate*

Landform Element: *Ridge crest*      Vegetation: *Cleared*  
 Slope: *Level-very gentle*      Ground Disturbance: *High*  
 Distance to Water: *<50*

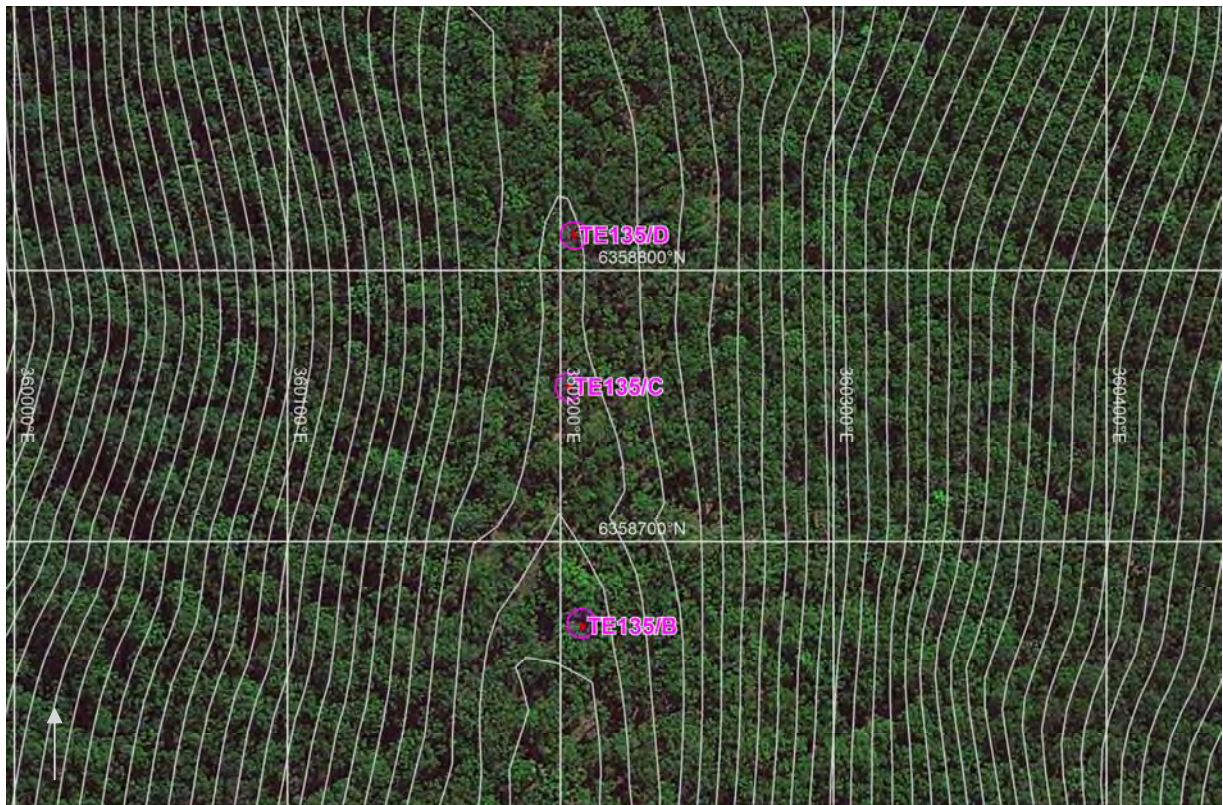
Visible Extent of Surface Exposures: Length (m)	Visible Extent of Surface Exposures: Width (m)	Visible Extent of Evidence: Length (m)	Visible Extent of Evidence: Width (m)	Visible Locus Area (m <sup>2</sup> )	Mean Surface Visibility of Locus (%)	Mean Arch. Visibility of Locus (%)	Effective Locus Area (m <sup>2</sup> )	# of Artefacts	# of Artefacts per m <sup>2</sup> of Effective Locus Area	Sub- Surface Deposit
varies	varies	1	1	1	70	20	0.2	1	5.00	unlikely

### Additional Comments:

- ☐ Site located on access track;
- ☐ Tuff core.



Site Location: Tasman Extension 135/C



Photograph: Tasman Extension 135/C (inset - tuff core)



## SITE NAME: TASMAN EXTENSION 135/D

Site Type: *Isolated artefact*      MGA Grid Reference: *360205:6358813*  
 Date Recorded: *19/10/11*      Topographic Map: *Wallsend 9232-3S*  
 Recorder: *Leigh Bate*

Landform Element: *Ridge crest*      Vegetation: *Cleared*  
 Slope: *Level-very gentle*      Ground Disturbance: *High*  
 Distance to Water: *<50*

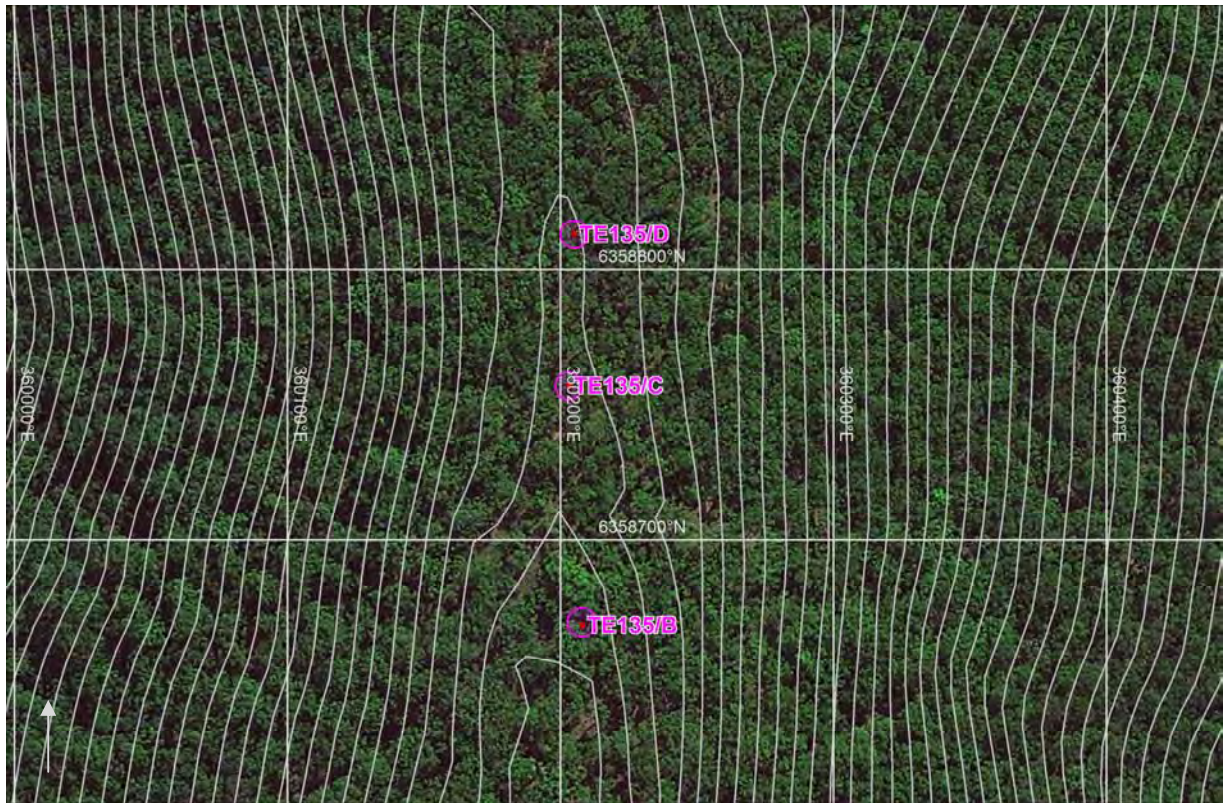
Visible Extent of Surface Exposures: Length (m)	Visible Extent of Surface Exposures: Width (m)	Visible Extent of Evidence: Length (m)	Visible Extent of Evidence: Width (m)	Visible Locus Area (m <sup>2</sup> )	Mean Surface Visibility of Locus (%)	Mean Arch. Visibility of Locus (%)	Effective Locus Area (m <sup>2</sup> )	# of Artefacts	# of Artefacts per m <sup>2</sup> of Effective Locus Area	Sub- Surface Deposit
varies	varies	1	1	1	70	20	0.2	1	5.00	unlikely

### Additional Comments:

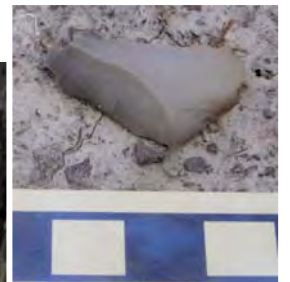
- ☐ Site located on access track;
- ☐ Tuff lithic fragment.



Site Location: Tasman Extension 135/D



Photograph: Tasman Extension 135/D (inset - tuff lithic fragment)



## SITE NAME: TASMAN EXTENSION 152/A

Site Type:	Rock shelter with PAD	MGA Grid Reference:	360554:6357465
Date Recorded:	23/9/11	Topographic Map:	Wallsend 9232-3S
Recorder:	Stephen Free		

Landform Element:	Simple slope	Vegetation:	Forested
Slope:	Moderate	Ground Disturbance:	Low
Distance to Water:	>50		

Rock Outcrop Material:	Sandstone
Outcrop Type:	Rock shelter
Outcrop Form:	Scarp, boulder, outcrop
Aspect:	West
Erosion:	Exfoliation, cavernous, honeycomb
Surface Condition:	Stable
Soil:	Silt, sand
Disturbance to Deposit:	Low
Causes of Disturbance:	Erosion

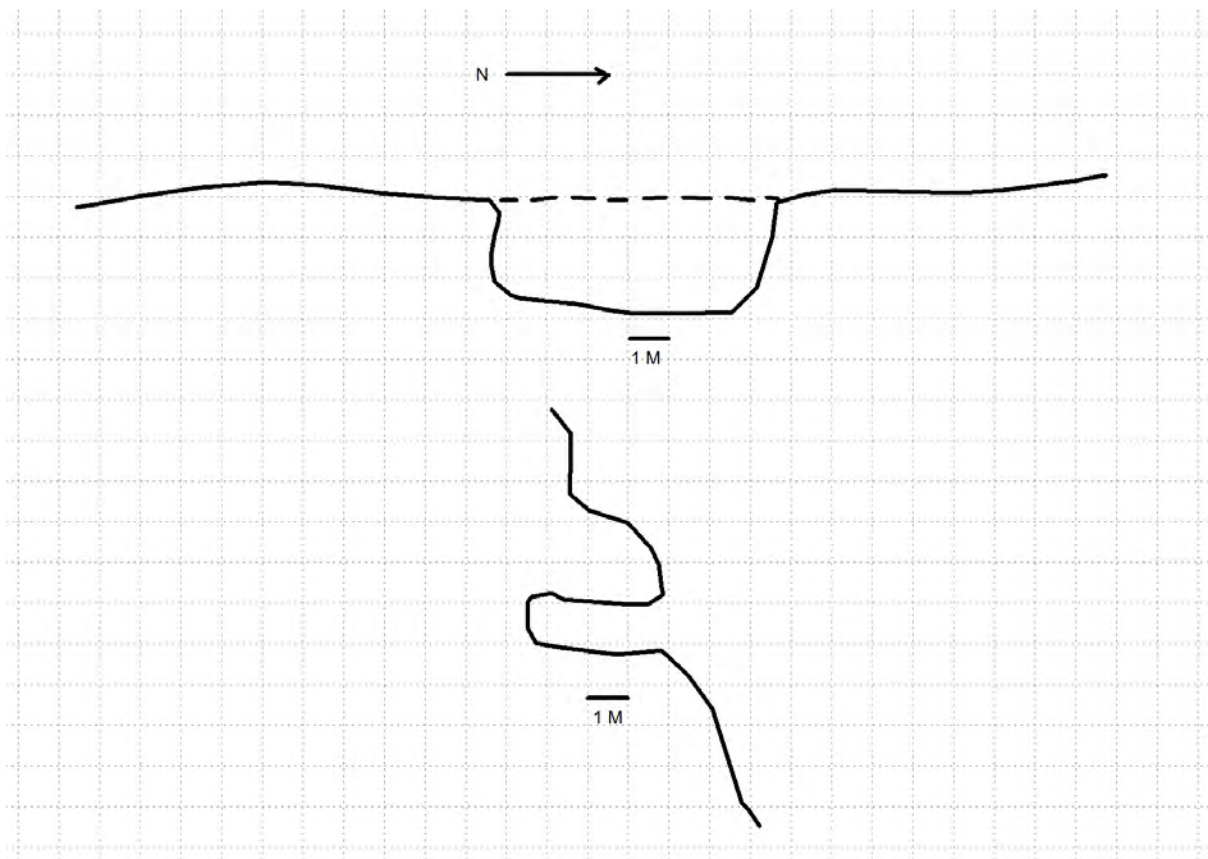
Possible Extent of Potential Archaeological Deposit:	4.4 x 2.5m
Possible Depth of Potential Archaeological Deposit:	0.05 metres
# of Artefacts:	0
Visible Extent of Artefacts:	n/a
Archaeological Visibility:	
Shelter Floor Area:	4.6 x 2.6 metres
Habitable Shelter Area (roof 1+ metres above floor):	

### Additional Comments:

- ☐ Height at entrance 0.9 metres;
- ☐ Shelter marginally south of investigation area.

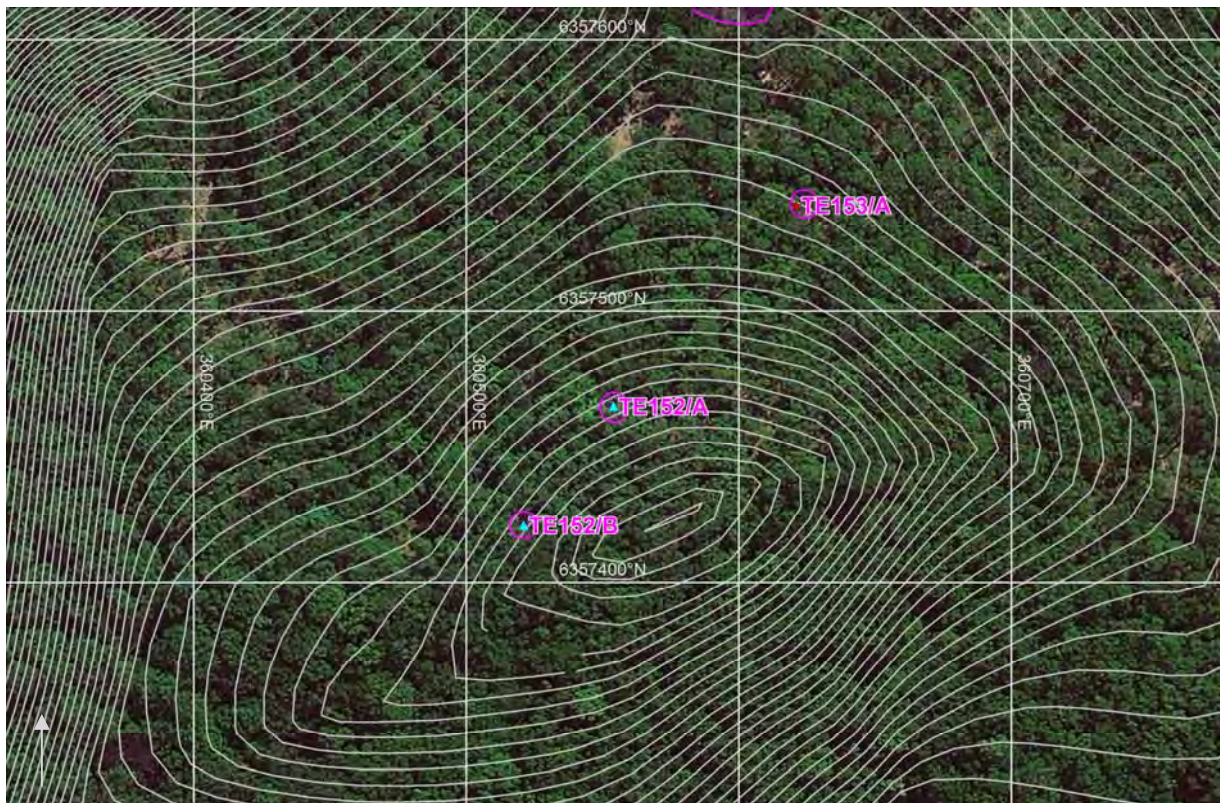


Site plan and cross-section: Tasman Extension 152/A



KEY: Back wall at floor \_\_\_\_\_ Dripline ..... Deposit/PAD 

Site Location: Tasman Extension 152/A



Photograph: Tasman Extension 152/A





## SITE NAME: TASMAN EXTENSION 152/B

Site Type: *Rock shelter with PAD*      MGA Grid Reference: *360521:6357421*  
Date Recorded: *23/9/11*      Topographic Map: *Wallsend 9232-3S*  
Recorder: *Stephen Free*

Landform Element: *Simple slope*      Vegetation: *Forested*  
Slope: *Moderate*      Ground Disturbance: *Low*  
Distance to Water: *>50*

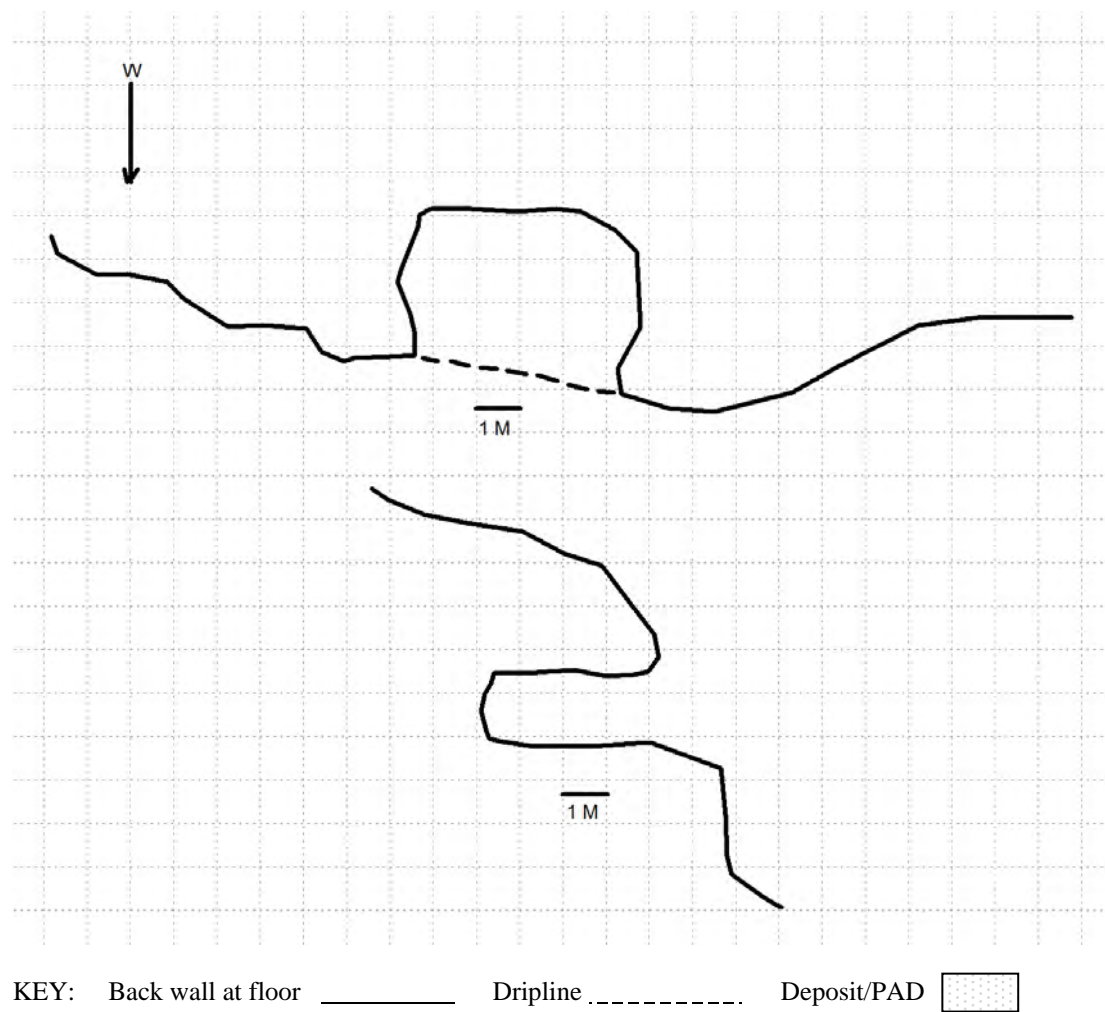
Rock Outcrop Material: *Sandstone*  
Outcrop Type: *Rock shelter*  
Outcrop Form: *Scarp, boulder, outcrop*  
Aspect: *West*  
Erosion: *Exfoliation, cavernous, honeycomb*  
Surface Condition: *Stable*  
Soil: *Silt, sand*  
Disturbance to Deposit: *Low*  
Causes of Disturbance: *Erosion*

Possible Extent of Potential Archaeological Deposit: *4 x 3m*  
Possible Depth of Potential Archaeological Deposit: *0.4 metres*  
# of Artefacts: *0*  
Visible Extent of Artefacts: *n/a*  
Archaeological Visibility:  
Shelter Floor Area: *4 x 3.5 metres*  
Habitable Shelter Area (roof 1+ metres above floor):

### Additional Comments:

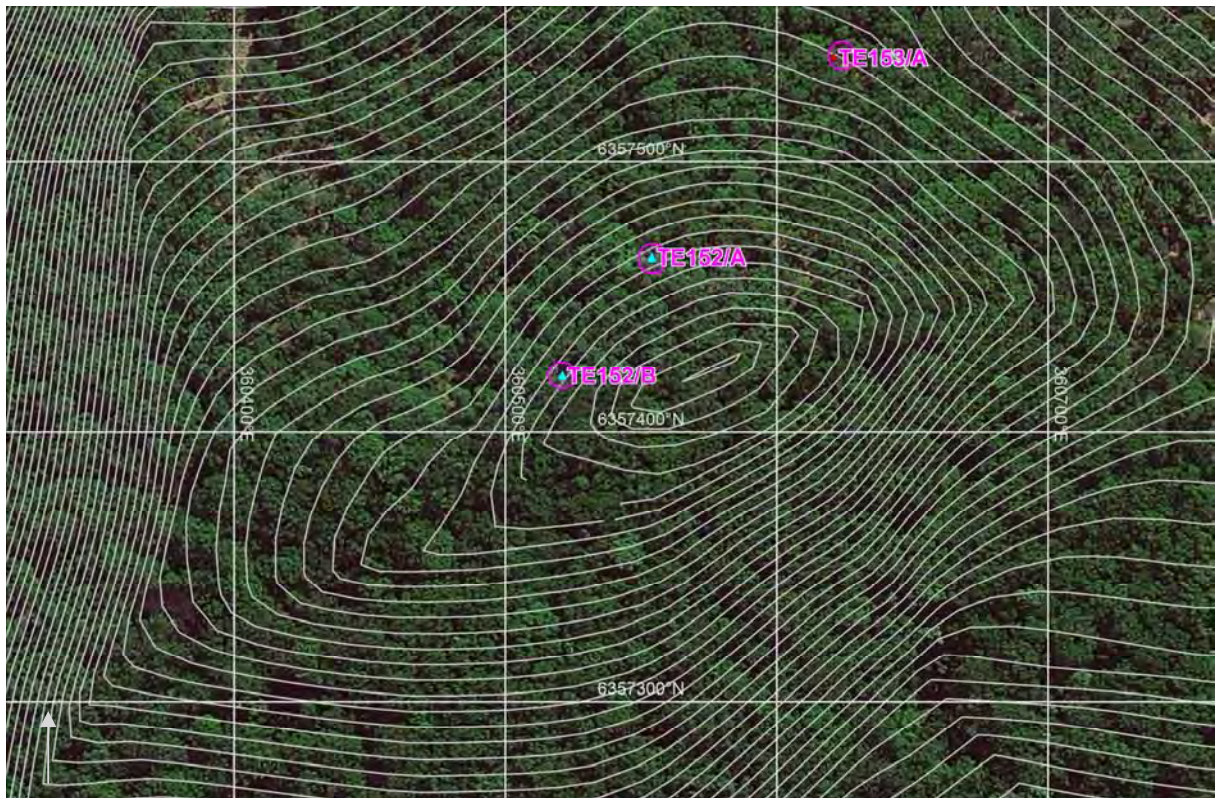
- ☐ Height at entrance 1.5 metres;
- ☐ Shelter marginally south of investigation area;
- ☐ Goat scats and footprints inside shelter.

Site plan and cross-section: Tasman Extension 152/B





Site Location: Tasman Extension 152/B



Photograph: Tasman Extension 152/B



## SITE NAME: TASMAN EXTENSION 153/A

Site Type:	Isolated artefact	MGA Grid Reference:	360621:6357539
Date Recorded:	23/9/11	Topographic Map:	Wallsend 9232-3S
Recorder:	Stephen Free		
Landform Element:	Simple slope	Vegetation:	Forest
Slope:	Gentle	Ground Disturbance:	Moderate
Distance to Water:	>50		

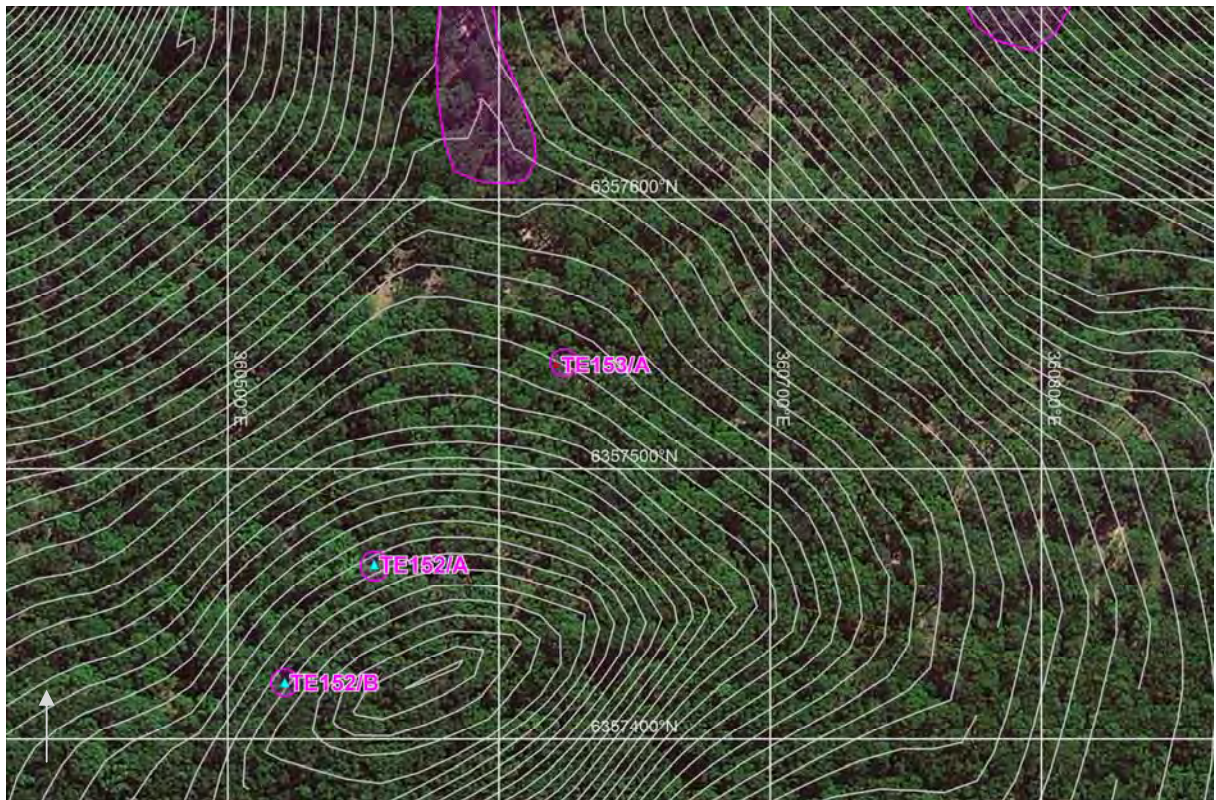
Visible Extent of Surface Exposures: Length (m)	Visible Extent of Surface Exposures: Width (m)	Visible Extent of Evidence: Length (m)	Visible Extent of Evidence: Width (m)	Visible Locus Area (m <sup>2</sup> )	Mean Surface Visibility of Locus (%)	Mean Arch. Visibility of Locus (%)	Effective Locus Area (m <sup>2</sup> )	# of Artefacts	# of Artefacts per m <sup>2</sup> of Effective Locus Area	Sub- Surface Deposit
1	1	1	1	1	80%	80%	0.80	1	1.25	unlikely

### Additional Comments:

- ☐ Artefact located on access track;
- ☐ Tuff flake;
- ☐ Recent engraved figures on a nearby outcrop MGA: 360523:6357508.



Site Location: Tasman Extension 153/A



Photograph: Tasman Extension 153/A



## SITE NAME: TASMAN EXTENSION 154/A

Site Type: *Open grinding groove*      MGA Grid Reference: *360995:6357422*  
 Date Recorded: *27/9/11*      Topographic Map: *Wallsend 9232-3S*  
 Recorder: *Leigh Bate*

Landform Element: *Drainage depression*      Vegetation: *Forested*  
 Slope: *Moderate*      Ground Disturbance: *Low*  
 Distance to Water: *<50m*

Extent of Exposed Rock: *2 x 2m*  
 Extent of Grooves: *2 x 2m*  
 Rock Type: *Sandstone*  
 Rock Form: *Outcrop*  
 Surface Condition: *Weathered*  
 Disturbance: *Low*  
 Type of Disturbance: *Weathering*

### Groove description:

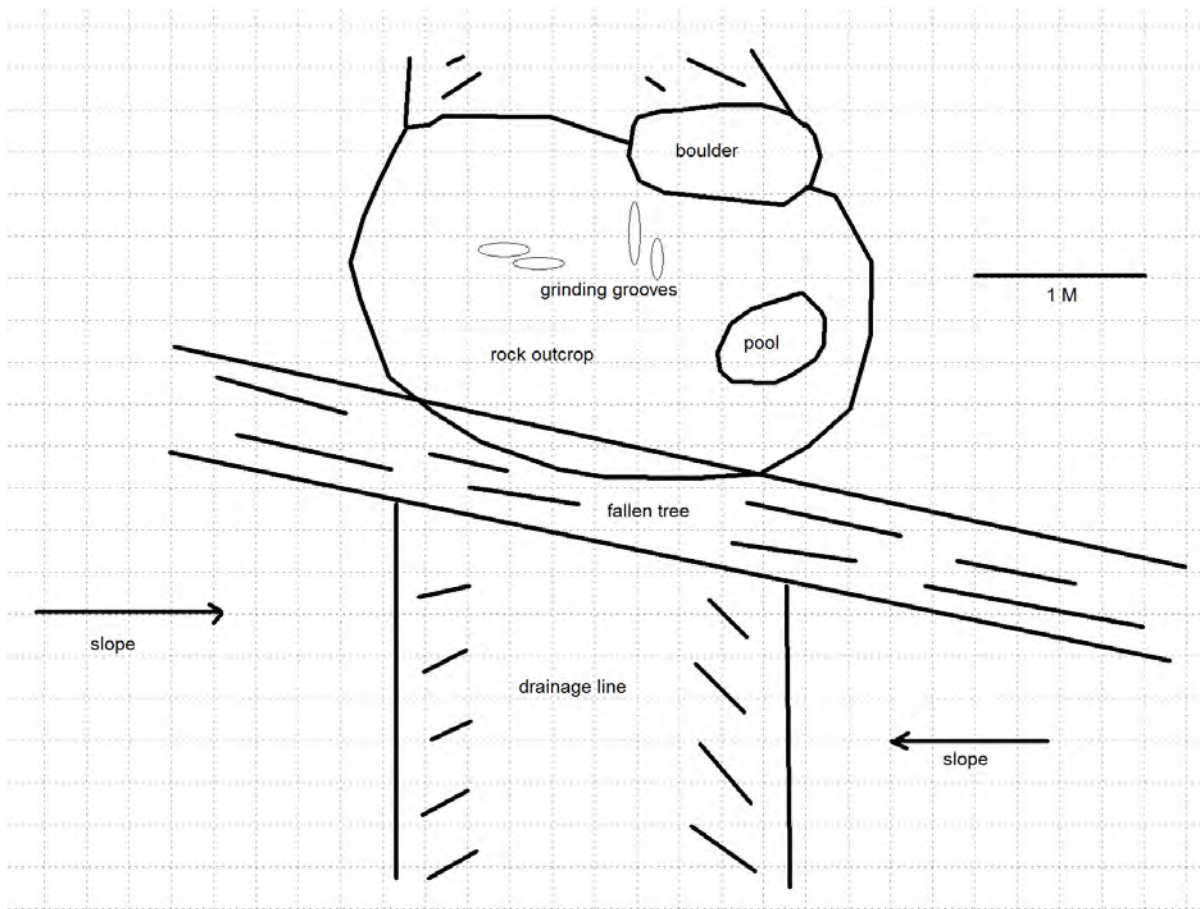
Groove #	Groove Length (mm)	Groove Width (mm)	Groove Depth (mm)	Comments
1	260	50	10	u-shaped
2	200	40	10	u-shaped
3	170	80	30	u-shaped
4	150	70	30	u-shaped

### Additional Comments:

- ☐ Site located outside investigation area.

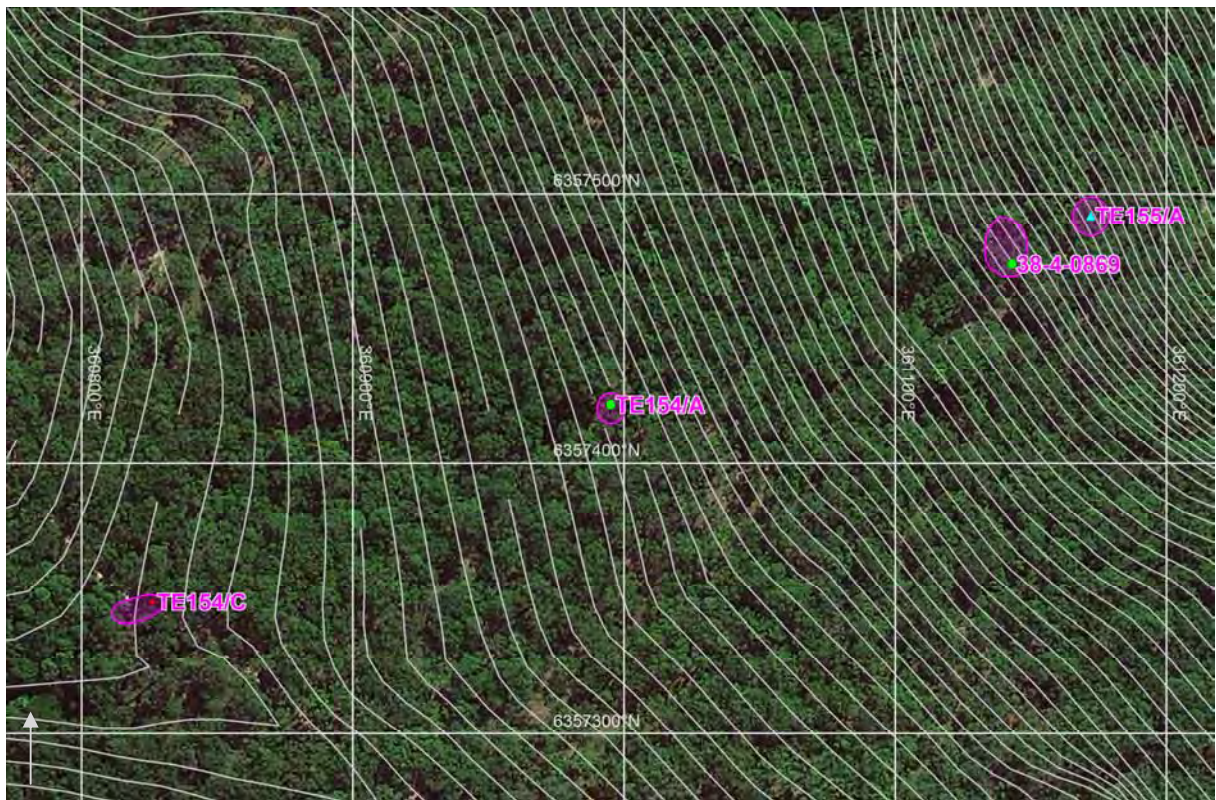


Site Plan: Tasman Extension 154/A





Site Location: Tasman Extension 154/A



Photograph: Tasman Extension154/A





## SITE NAME: TASMAN EXTENSION 154/B

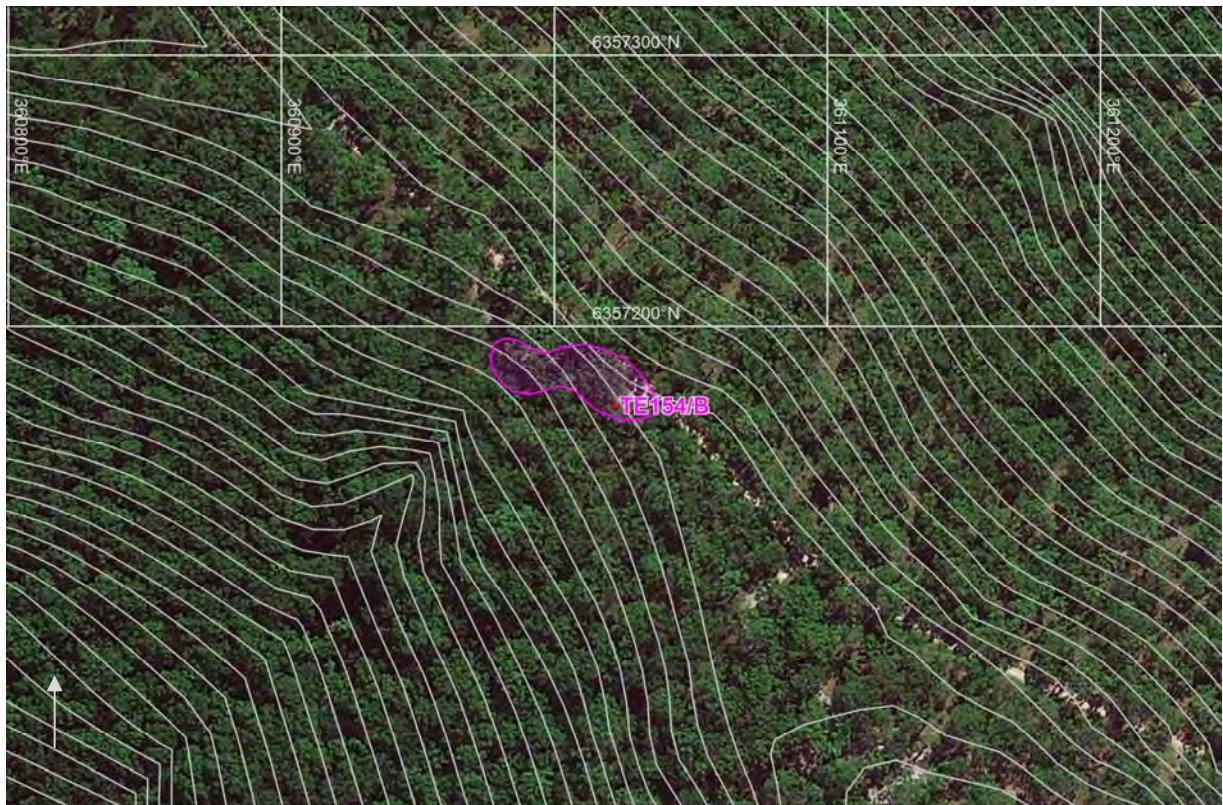
Site Type:	Artefact scatter	MGA Grid Reference:	361022:6357171
Date Recorded:	27/9/11	Topographic Map:	Wallsend 9232-3S
Recorder:	Leigh Bate		
Landform Element:	Ridge crest	Vegetation:	Cleared, forested
Slope:	Gentle	Ground Disturbance:	High
Distance to Water:	>50		

Visible Extent of Surface Exposures: Length (m)	Visible Extent of Surface Exposures: Width (m)	Visible Extent of Evidence: Length (m)	Visible Extent of Evidence: Width (m)	Visible Locus Area (m <sup>2</sup> )	Mean Surface Visibility of Locus (%)	Mean Arch. Visibility of Locus (%)	Effective Locus Area (m <sup>2</sup> )	# of Artefacts	# of Artefacts per m <sup>2</sup> of Effective Locus Area	Sub- Surface Deposit
varies	varies	30	30	900	80	30	270	10	0.037	unlikely

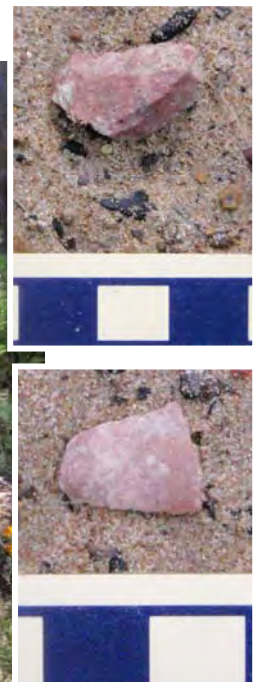
### Additional Comments:

- ☐ Site located on access track outside investigation area;
- ☐ 5 silcrete lithic fragments, 1 quartz lithic fragment, 3 silcrete flake portions, 1 silcrete utilised blade portion.

Site Location: Tasman Extension 154/B



Photograph: Tasman Extension 154/B (inset - silcrete artefacts)





## SITE NAME: TASMAN EXTENSION 154/C

Site Type:	Artefact scatter	MGA Grid Reference:	360826:6357349
Date Recorded:	28/9/11	Topographic Map:	Wallsend 9232-3S
Recorder:	Leigh Bate		
Landform Element:	Ridge crest	Vegetation:	Cleared, forested
Slope:	Gentle	Ground Disturbance:	High
Distance to Water:	>50		

Visible Extent of Surface Exposures: Length (m)	Visible Extent of Surface Exposures: Width (m)	Visible Extent of Evidence: Length (m)	Visible Extent of Evidence: Width (m)	Visible Locus Area (m <sup>2</sup> )	Mean Surface Visibility of Locus (%)	Mean Arch. Visibility of Locus (%)	Effective Locus Area (m <sup>2</sup> )	# of Artefacts	# of Artefacts per m <sup>2</sup> of Effective Locus Area	Sub- Surface Deposit
varies	varies	10	3	30	80	30	9	3	0.333	unlikely

### Additional Comments:

- ☐ Site located on access track outside investigation area;
- ☐ 2 tuff lithic fragments, 1 silcrete lithic fragment.

Site Location: Tasman Extension 154/C



Photograph: Tasman Extension 154/C (inset - tuff lithic fragment)





## SITE NAME: TASMAN EXTENSION 155/A

Site Type: *Rock shelter with PAD* MGA Grid Reference: *361172:6357492*  
Date Recorded: *27/9/11* Topographic Map: *Wallsend 9232-3S*  
Recorder: *Leigh Bate*

Landform Element: *Simple slope* Vegetation: *Forested*  
Slope: *Moderate* Ground Disturbance: *Low*  
Distance to Water: *>50*

Rock Outcrop Material: *Sandstone*  
Outcrop Type: *Rock shelter*  
Outcrop Form: *Scarp*  
Aspect: *North*  
Erosion: *Exfoliation*  
Surface Condition: *Exfoliating, exposed/weathered*  
Soil: *Silt, sand, gravel*  
Disturbance to Deposit: *Low*  
Causes of Disturbance: *vegetation*

Possible Extent of Potential Archaeological Deposit:

Possible Depth of Potential Archaeological Deposit:

# of Artefacts: *0*

Visible Extent of Artefacts: *n/a*

Archaeological Visibility:

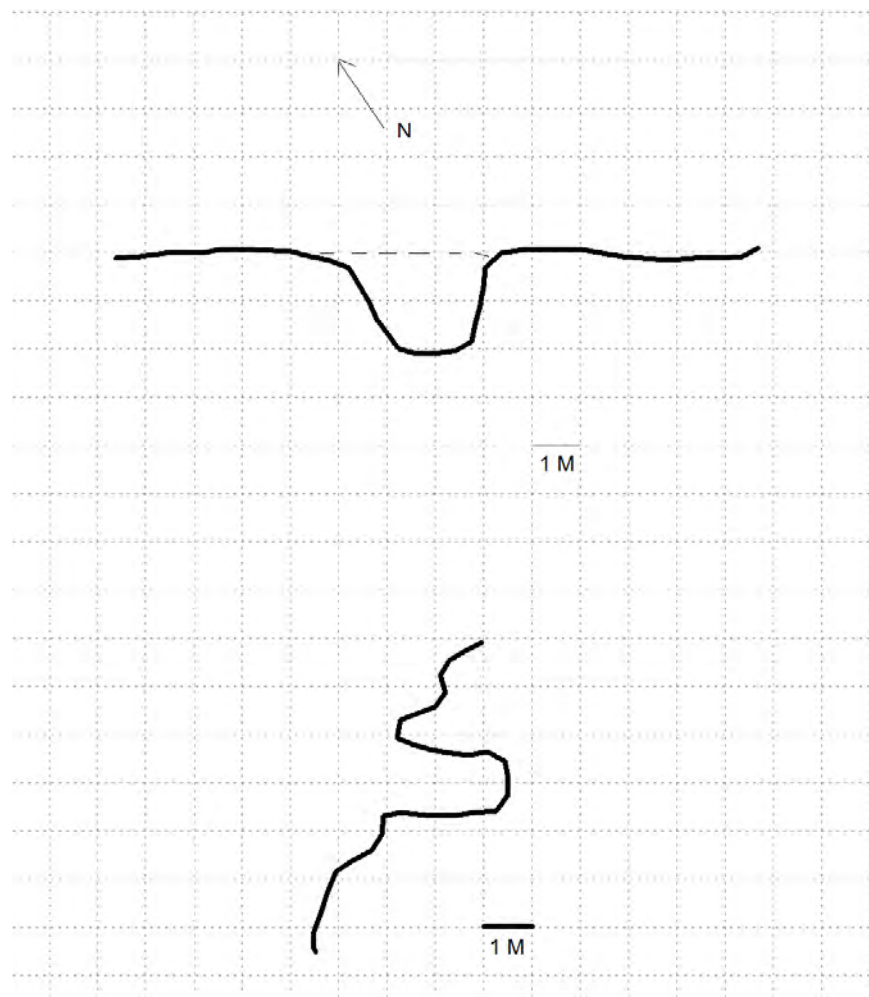
Shelter Floor Area: *3.9 x 2 metres*

Habitable Shelter Area (roof 1+ metres above floor):

Additional Comments:

- ☐ Grinding groove site 20 metres west of shelter, within drainage line;
- ☐ Site located outside of investigation area.

Site plan and cross-section: Tasman Extension 155/A



KEY: Back wall at floor \_\_\_\_\_ Dripline ..... Deposit/PAD 



Site Location: Tasman Extension 155/A



Photograph: Tasman Extension 155/A



## SITE NAME: TASMAN EXTENSION 157/A

Site Type: *Artefact scatter*  
 Date Recorded: *27/9/11*  
 Recorder: *Leigh Bate*

MGA Grid Reference: *360581:6357706*  
 Topographic Map: *Wallsend 9232-3S*

Landform Element: *Ridge crest*  
 Slope: *Level-very gentle*  
 Distance to Water: *>50*

Vegetation: *Cleared*  
 Ground Disturbance: *High*

Visible Extent of Surface Exposures: Length (m)	Visible Extent of Surface Exposures: Width (m)	Visible Extent of Evidence: Length (m)	Visible Extent of Evidence: Width (m)	Visible Locus Area (m <sup>2</sup> )	Mean Surface Visibility of Locus (%)	Mean Arch. Visibility of Locus (%)	Effective Locus Area (m <sup>2</sup> )	# of Artefacts	# of Artefacts per m <sup>2</sup> of Effective Locus Area	Sub- Surface Deposit
varies	varies	180	5	900	90	40	360	46	0.119	possible

### Additional Comments:

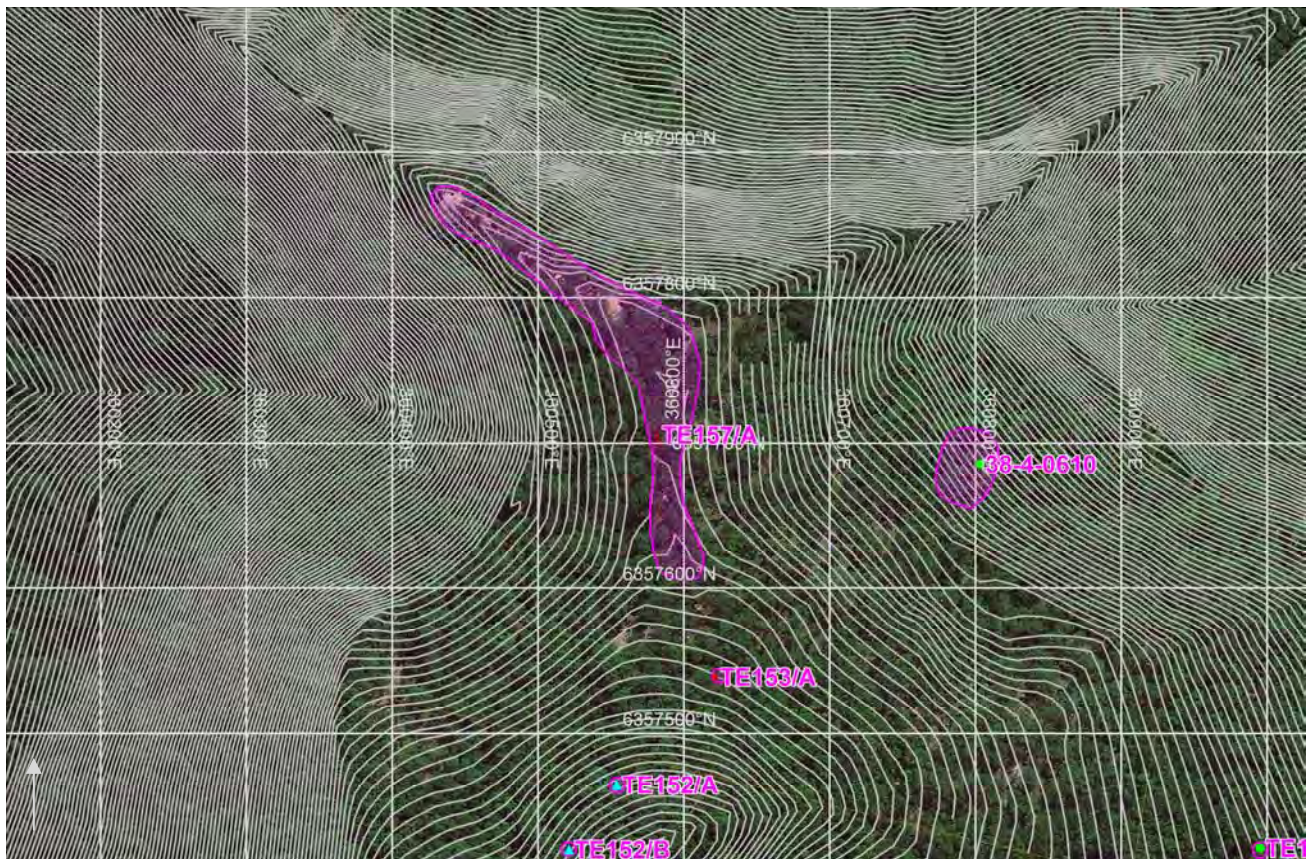
- ☐ Site located on vehicle track near Summit Point picnic area;
- ☐ GPS coordinates start 360549:6357784, end 360584:6357627;
- ☐ Total of 46 artefacts.

### Lithic Items:

Lithic Item Type												
Stone Material	blade - medial	core	flake	flake - distal	flake - longit-udinal	flake - medial	flake - proximal	geometric microlith	hammer-stone	lithic fragment	utilised blade - proximal	Total
basic volcanic										4		4
silcrete	1		1	3	1	2	3	1		12	1	25
tuff		3			1	2	3			4		13
volcanic									1			1
<b>Total</b>	<b>1</b>	<b>3</b>	<b>1</b>	<b>3</b>	<b>2</b>	<b>4</b>	<b>6</b>	<b>1</b>	<b>1</b>	<b>20</b>	<b>1</b>	<b>43</b>



Site Location: Tasman Extension 157/A



Photograph: Tasman Extension 157/A





Photograph: Tasman Extension 157/A (inset - hammerstone and geometric microlith)





## SITE NAME: TASMAN EXTENSION 176/A

Site Type: *Open grinding groove*      MGA Grid Reference: *361700:6358302*  
 Date Recorded: *27/9/11*      Topographic Map: *Wallsend 9232-3S*  
 Recorder: *Stephen Free*

Landform Element: *Drainage depression*      Vegetation: *Forest*  
 Slope: *Moderate*      Ground Disturbance: *Low*  
 Distance to Water: *<50*

Extent of Exposed Rock: *20 x 4m*  
 Extent of Grooves:  
 Rock Type: *Sandstone*  
 Rock Form: *Outcrop*  
 Surface Condition: *Stable*  
 Disturbance: *Low*  
 Type of Disturbance: *Erosion, weathering*

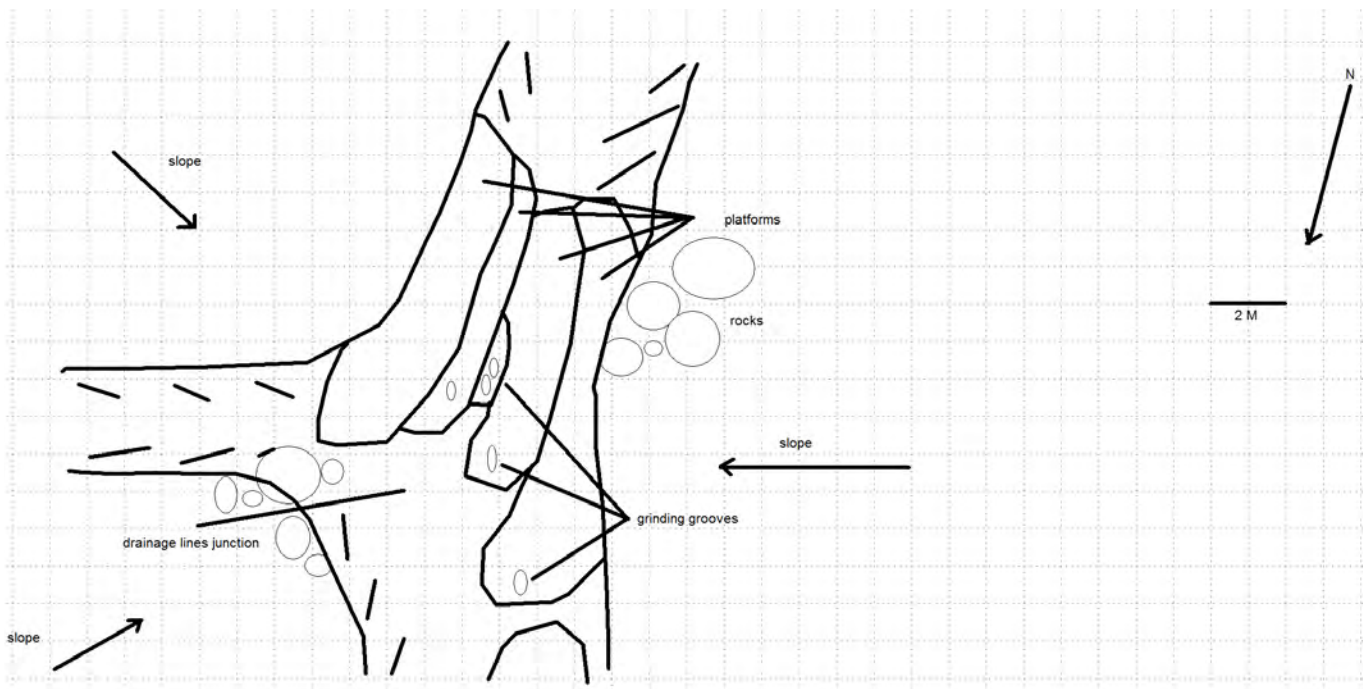
### Groove description:

Groove #	Groove Length (mm)	Groove Width (mm)	Groove Depth (mm)	Comments
1	330	70	10	u-shaped
2	280	130	40	u-shaped
3	150	60	5	u-shaped
4	70	40	10	u-shaped
5	330	80	10	u-shaped
6	200	50	5	u-shaped

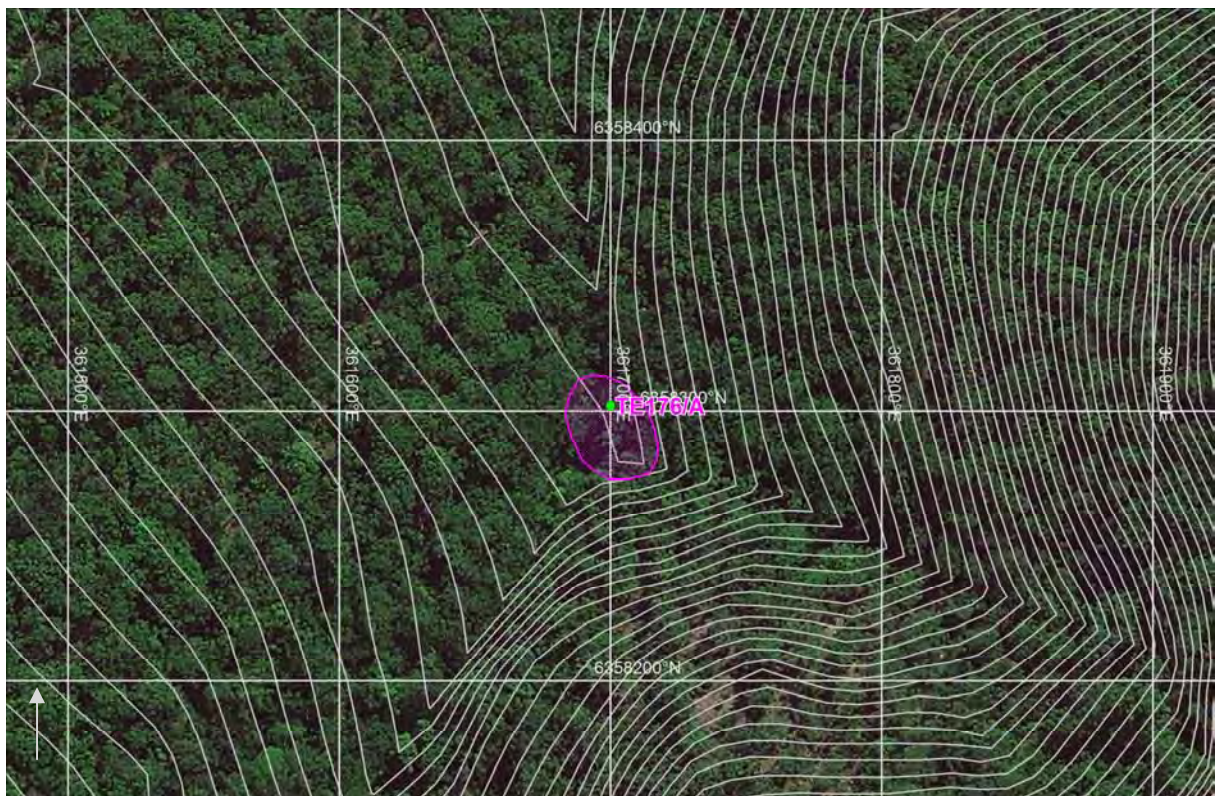
### Additional Comments:

- ☐ Grooves impacted by water overflow;
- ☐ Elevation 114m.

# Site Plan: Tasman Extension 176/A

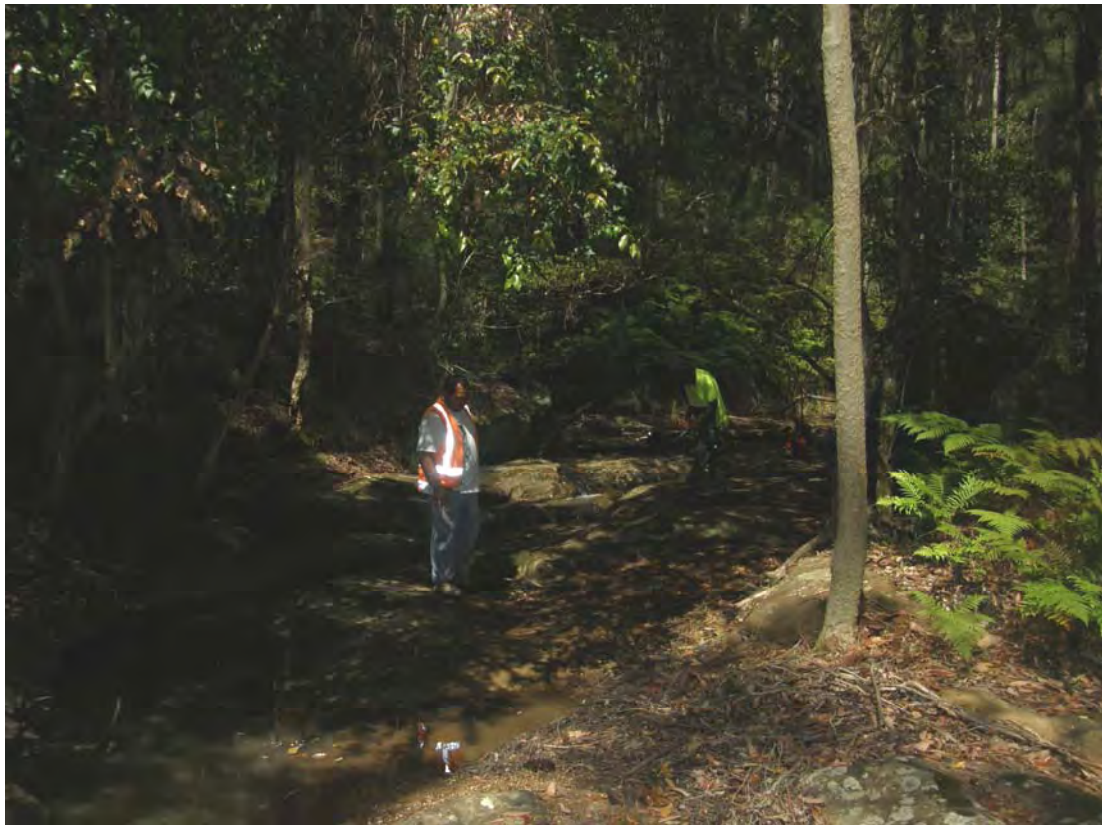


## Site Location: Tasman Extension 176/A





Photograph: Tasman Extension 176/A



## SITE NAME: TASMAN EXTENSION 178/A

Site Type: *Rock shelter with PAD*      MGA Grid Reference: *361377:6357423*  
Date Recorded: *28/9/11*      Topographic Map: *Wallsend 9232-3S*  
Recorder: *Stephen Free*

Landform Element: *Simple slope*      Vegetation: *Forested*  
Slope: *Moderate*      Ground Disturbance: *Low*  
Distance to Water: *>50*

Rock Outcrop Material: *Sandstone*  
Outcrop Type: *Rock shelter*  
Outcrop Form: *Scarp, boulder*  
Aspect: *West*  
Erosion: *Exfoliation, cavernous, honeycomb*  
Surface Condition: *Stable*  
Soil: *Silt, sand*  
Disturbance to Deposit: *Low*  
Causes of Disturbance: *Erosion*

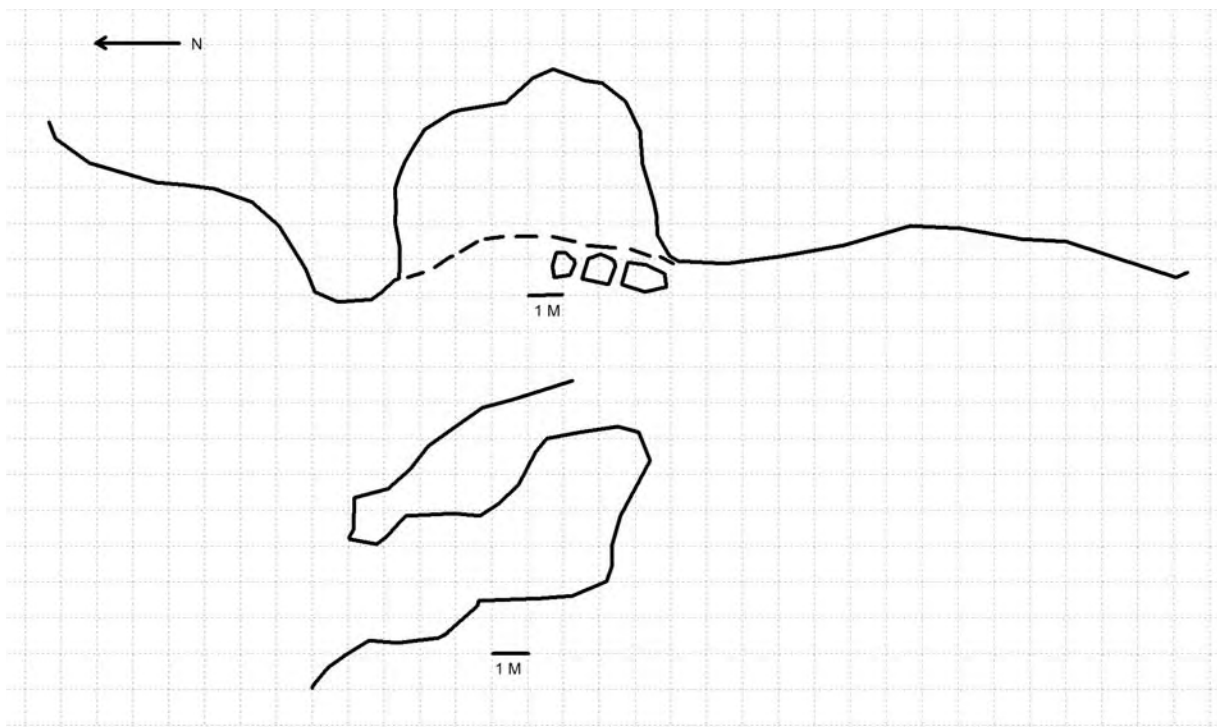
Possible Extent of Potential Archaeological Deposit: *7 x 5m*  
Possible Depth of Potential Archaeological Deposit: *0.40 metres*  
# of Artefacts: *0*  
Visible Extent of Artefacts: *n/a*  
Archaeological Visibility:  
Shelter Floor Area: *7 x 6 metres*  
Habitable Shelter Area (roof 1+ metres above floor):

### Additional Comments:

- ☐ Height at entrance 4 metres;
- ☐ Floor steeply from rear to front;
- ☐ Shelter marginally south of investigation area;
- ☐ Goat scats and footprints inside shelter.

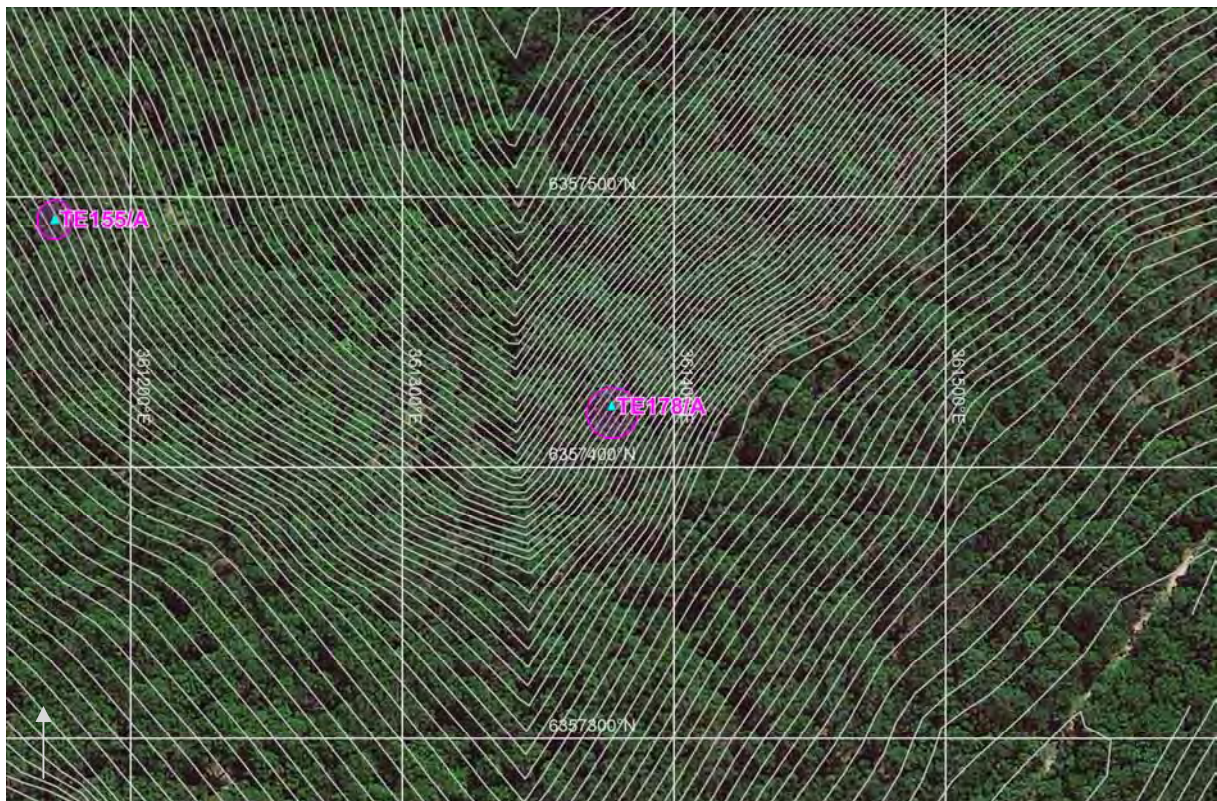


# Site plan and cross-section: Tasman Extension 178/A



KEY: Back wall at floor \_\_\_\_\_ Dripline ..... Deposit/PAD 

## Site Location: Tasman Extension 178/A





Photograph: Tasman Extension 178/A





## SITE NAME: TASMAN EXTENSION 181/A

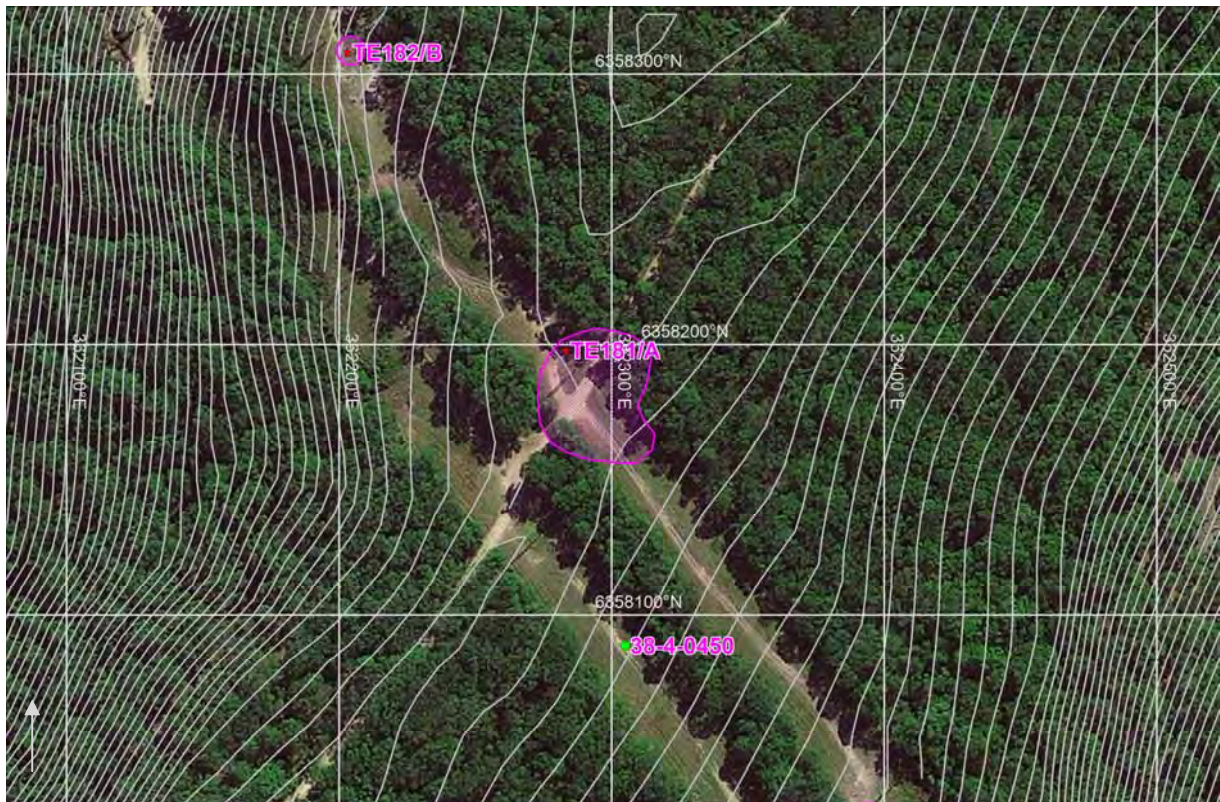
Site Type:	Artefact scatter	MGA Grid Reference:	362283:6358198
Date Recorded:	19/9/11	Topographic Map:	Wallsend 9232-3S
Recorder:	Leigh Bate		
Landform Element:	Ridge crest	Vegetation:	Cleared
Slope:	Gentle	Ground Disturbance:	Moderate
Distance to Water:	>50		

Visible Extent of Surface Exposures: Length (m)	Visible Extent of Surface Exposures: Width (m)	Visible Extent of Evidence: Length (m)	Visible Extent of Evidence: Width (m)	Visible Locus Area (m <sup>2</sup> )	Mean Surface Visibility of Locus (%)	Mean Arch. Visibility of Locus (%)	Effective Locus Area (m <sup>2</sup> )	# of Artefacts	# of Artefacts per m <sup>2</sup> of Effective Locus Area	Sub- Surface Deposit
60	15	60	15	900	80%	40%	360	6	0.017	unlikely

### Additional Comments:

- ☐ Artefact located on verges of Sugarloaf Range Road;
- ☐ 2 silcrete lithic fragments, 2 tuff flake portions, 1 tuff core and 1 tuff lithic fragment.

Site Location: Tasman Extension 181/A



Photograph: Tasman Extension 181/A (inset - tuff flake)





## SITE NAME: TASMAN EXTENSION 181/B

Site Type:	<i>Isolated artefact</i>	MGA Grid Reference:	<i>362054:6357857</i>
Date Recorded:	<i>19/9/11</i>	Topographic Map:	<i>Wallsend 9232-3S</i>
Recorder:	<i>Leigh Bate</i>		
Landform Element:	<i>Ridge crest</i>	Vegetation:	<i>Cleared</i>
Slope:	<i>Gentle</i>	Ground Disturbance:	<i>Moderate</i>
Distance to Water:	<i>&gt;50</i>		

Visible Extent of Surface Exposures: Length (m)	Visible Extent of Surface Exposures: Width (m)	Visible Extent of Evidence: Length (m)	Visible Extent of Evidence: Width (m)	Visible Locus Area (m <sup>2</sup> )	Mean Surface Visibility of Locus (%)	Mean Arch. Visibility of Locus (%)	Effective Locus Area (m <sup>2</sup> )	# of Artefacts	# of Artefacts per m <sup>2</sup> of Effective Locus Area	Sub- Surface Deposit
varies	varies	1	1	1	80%	20%	0.2	1	5	unlikely

### Additional Comments:

- ☐ Artefact located on verge of Sugarloaf Range Road;
- ☐ Silcrete core.

Site Location: Tasman Extension 181/B



Photograph: Tasman Extension 181/B





## SITE NAME: TASMAN EXTENSION 181/C

Site Type: *Artefact scatter*  
 Date Recorded: *20/9/11*  
 Recorder: *Leigh Bate*

MGA Grid Reference: *362116:6357951*  
 Topographic Map: *Wallsend 9232-3S*

Landform Element: *Ridge crest*  
 Slope: *Gentle*  
 Distance to Water: *>50*

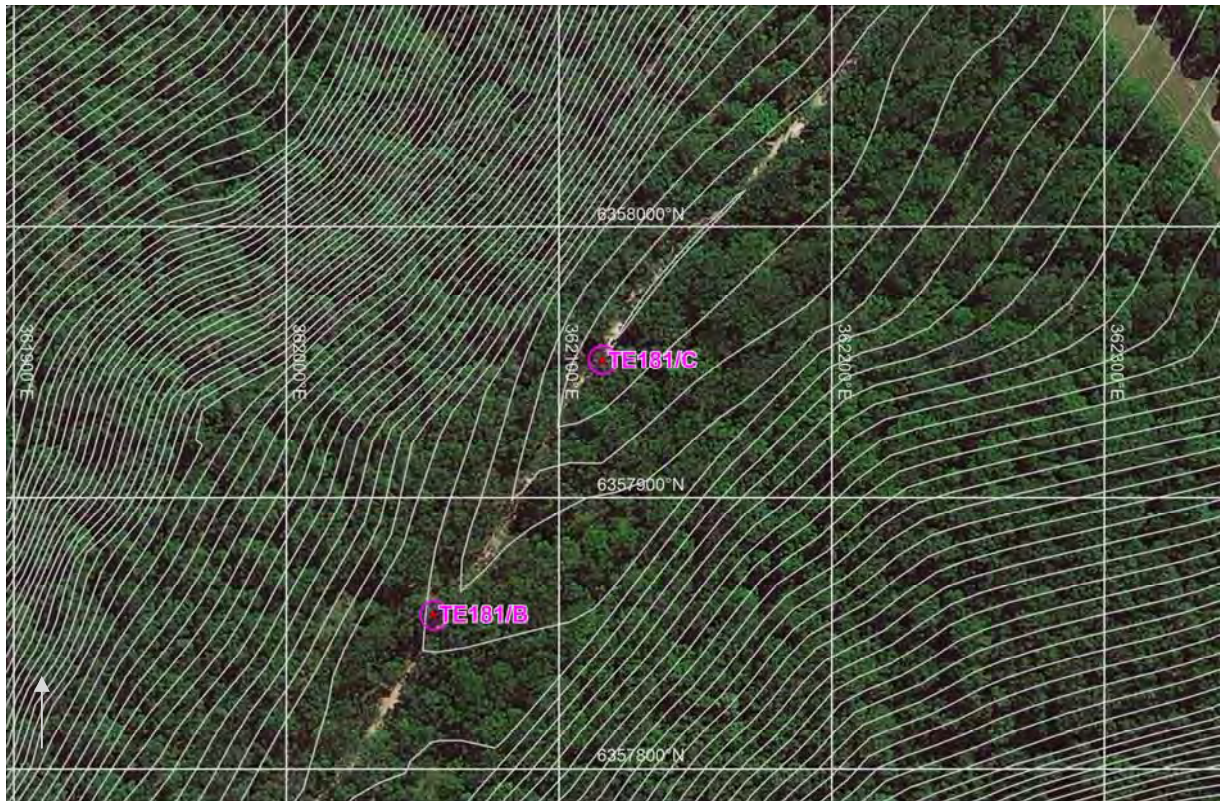
Vegetation: *Cleared*  
 Ground Disturbance: *Moderate*

Visible Extent of Surface Exposures: Length (m)	Visible Extent of Surface Exposures: Width (m)	Visible Extent of Evidence: Length (m)	Visible Extent of Evidence: Width (m)	Visible Locus Area (m <sup>2</sup> )	Mean Surface Visibility of Locus (%)	Mean Arch. Visibility of Locus (%)	Effective Locus Area (m <sup>2</sup> )	# of Artefacts	# of Artefacts per m <sup>2</sup> of Effective Locus Area	Sub- Surface Deposit
varies	varies	4	2	8	90%	20%	1.6	2	1.25	unlikely

### Additional Comments:

- ☐ Artefacts located on verge of Sugarloaf Range Road;
- ☐ 1 silcrete and 1 tuff flake portion.

Site Location: Tasman Extension 181/C



Photograph: Tasman Extension 181/C





## SITE NAME: TASMAN EXTENSION 182/A

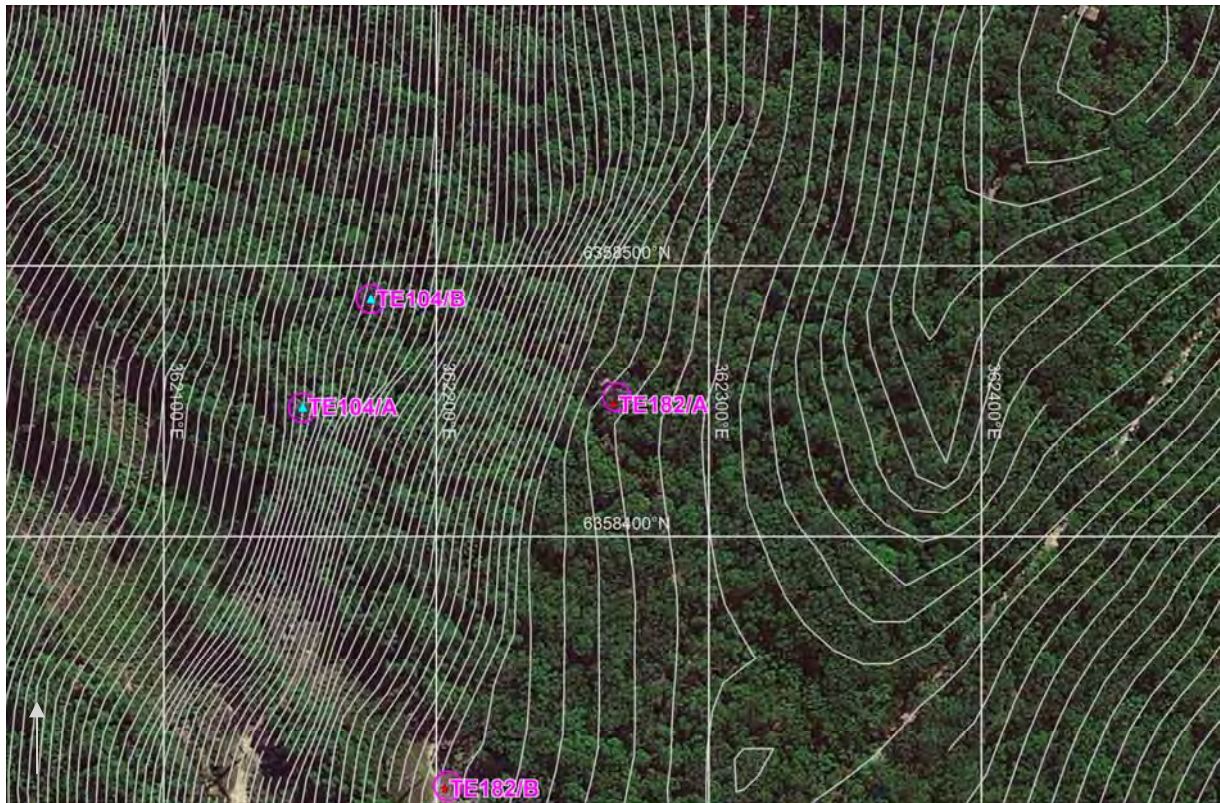
Site Type:	Isolated artefact	MGA Grid Reference:	362265:6358449
Date Recorded:	22/9/11	Topographic Map:	Wallsend 9232-3S
Recorder:	Stephen Free		
Landform Element:	Simple slope	Vegetation:	Cleared
Slope:	Moderate	Ground Disturbance:	Moderate
Distance to Water:	>50		

Visible Extent of Surface Exposures: Length (m)	Visible Extent of Surface Exposures: Width (m)	Visible Extent of Evidence: Length (m)	Visible Extent of Evidence: Width (m)	Visible Locus Area (m <sup>2</sup> )	Mean Surface Visibility of Locus (%)	Mean Arch. Visibility of Locus (%)	Effective Locus Area (m <sup>2</sup> )	# of Artefacts	# of Artefacts per m <sup>2</sup> of Effective Locus Area	Sub- Surface Deposit
20	10	1	1	1	85%	85%	0.85	1	1.176	unlikely

### Additional Comments:

- ☐ Disturbance caused by historical campsite;
- ☐ Artefact located at exposure caused by campsite at edge of escarpment;
- ☐ Silcrete flake portion.

Site Location: Tasman Extension 182/A



Photograph: Tasman Extension 182/A





## SITE NAME: TASMAN EXTENSION 182/B

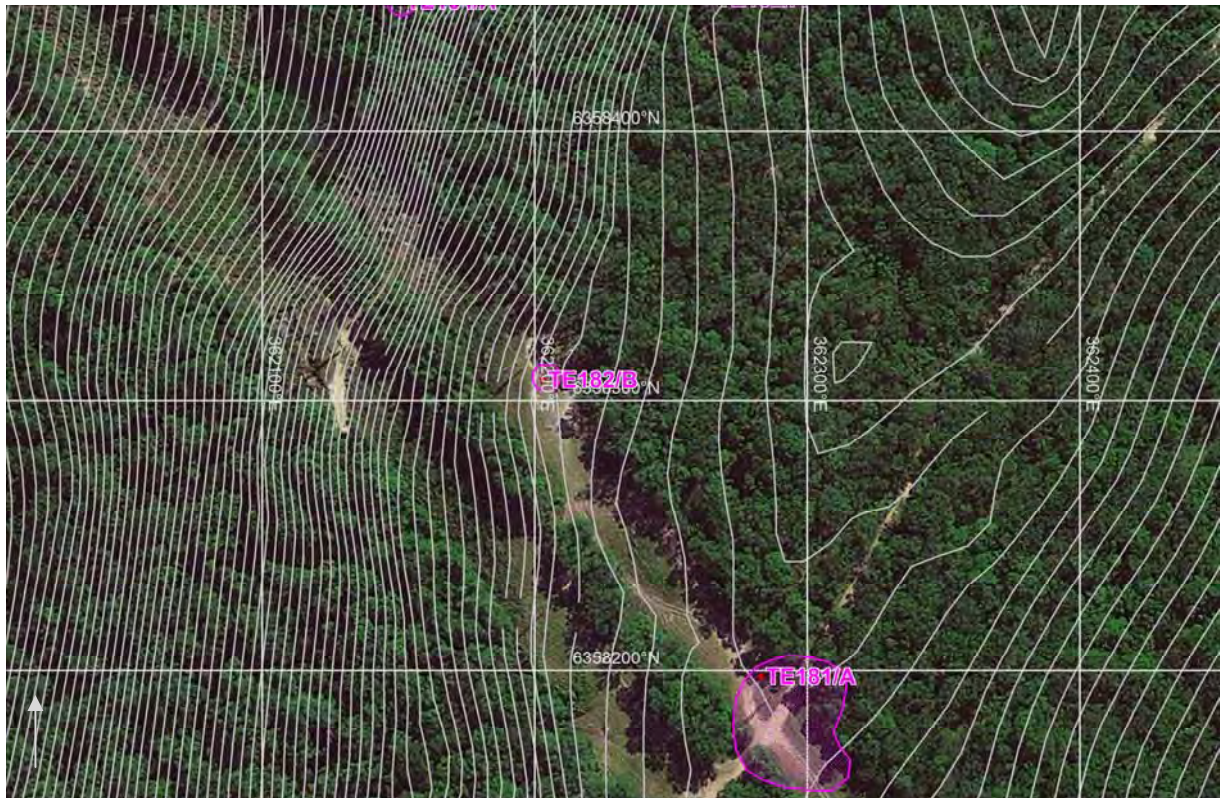
Site Type:	Isolated artefact	MGA Grid Reference:	362203:6358308
Date Recorded:	22/9/11	Topographic Map:	Wallsend 9232-3S
Recorder:	Stephen Free		
Landform Element:	Simple slope	Vegetation:	Cleared
Slope:	Moderate	Ground Disturbance:	High
Distance to Water:	>50		

Visible Extent of Surface Exposures: Length (m)	Visible Extent of Surface Exposures: Width (m)	Visible Extent of Evidence: Length (m)	Visible Extent of Evidence: Width (m)	Visible Locus Area (m <sup>2</sup> )	Mean Surface Visibility of Locus (%)	Mean Arch. Visibility of Locus (%)	Effective Locus Area (m <sup>2</sup> )	# of Artefacts	# of Artefacts per m <sup>2</sup> of Effective Locus Area	Sub- Surface Deposit
2	1	1	1	1	25%	25%	0.25	1	4	unlikely

### Additional Comments:

- ☐ Artefact located on access track under transmission line;
- ☐ Silcrete flake portion;
- ☐ Ground disturbance is high due to access track maintenance.

Site Location: Tasman Extension 182/B



Photograph: Tasman Extension 182/B





## SITE NAME: TASMAN EXTENSION 188/A

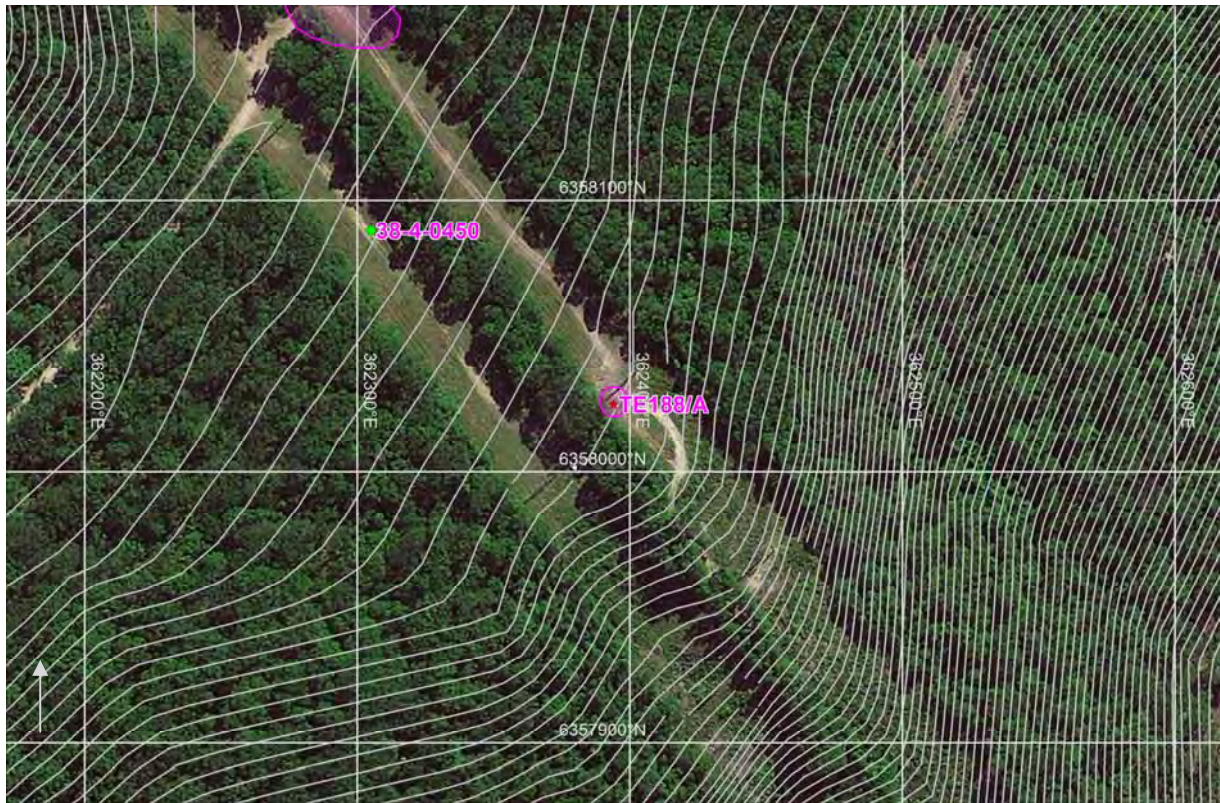
Site Type:	Artefact scatter	MGA Grid Reference:	362394:6358025
Date Recorded:	19/9/11	Topographic Map:	Wallsend 9232-3S
Recorder:	Leigh Bate		
Landform Element:	Simple slope	Vegetation:	Cleared
Slope:	Moderate	Ground Disturbance:	Moderate
Distance to Water:	>50		

Visible Extent of Surface Exposures: Length (m)	Visible Extent of Surface Exposures: Width (m)	Visible Extent of Evidence: Length (m)	Visible Extent of Evidence: Width (m)	Visible Locus Area (m <sup>2</sup> )	Mean Surface Visibility of Locus (%)	Mean Arch. Visibility of Locus (%)	Effective Locus Area (m <sup>2</sup> )	# of Artefacts	# of Artefacts per m <sup>2</sup> of Effective Locus Area	Sub- Surface Deposit
5	5	2	2	4	70%	30%	1.2	2	1.667	unlikely

### Additional Comments:

- ☐ Artefacts located on access track in power easement;
- ☐ Tuff core and silcrete flake portion.

Site Location: Tasman Extension 188/A



Photograph: Tasman Extension 188/A (inset - tuff core)





## SITE NAME: TASMAN EXTENSION 199/A

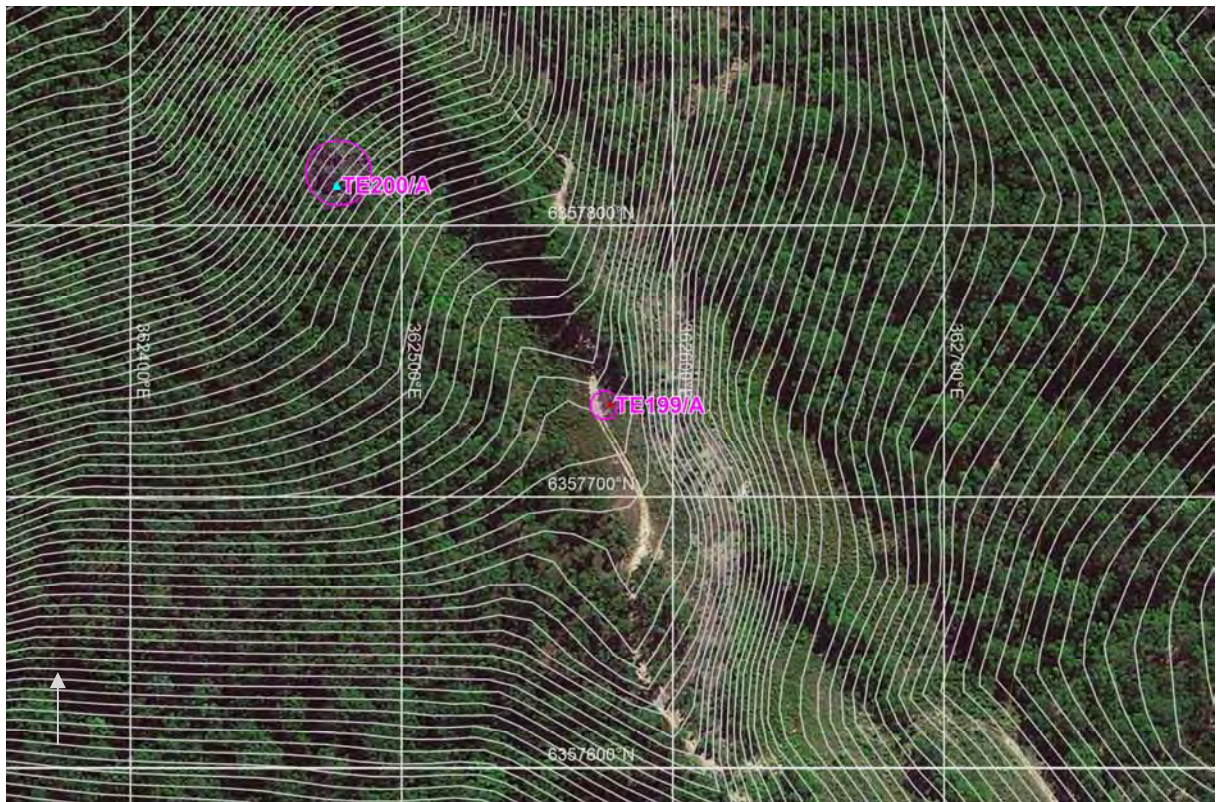
Site Type:	Artefact scatter	MGA Grid Reference:	362577:6357734
Date Recorded:	20/10/11	Topographic Map:	Wallsend 9232-3S
Recorder:	Stephen Free		
Landform Element:	Ridge crest	Vegetation:	Cleared
Slope:	Moderate	Ground Disturbance:	High
Distance to Water:	>50		

Visible Extent of Surface Exposures: Length (m)	Visible Extent of Surface Exposures: Width (m)	Visible Extent of Evidence: Length (m)	Visible Extent of Evidence: Width (m)	Visible Locus Area (m <sup>2</sup> )	Mean Surface Visibility of Locus (%)	Mean Arch. Visibility of Locus (%)	Effective Locus Area (m <sup>2</sup> )	# of Artefacts	# of Artefacts per m <sup>2</sup> of Effective Locus Area	Sub- Surface Deposit
4	2	4	2	8	95	95	7.6	3	0.395	unlikely

### Additional Comments:

- ☐ Artefact scatter located on access track under transmission line;
- ☐ Tuff core, tuff retouched flake and quartzite flake portion;
- ☐ Vegetation consists of regrowth forest, grasses and low shrubs.

Site Location: Tasman Extension 199/A



Photograph: Tasman Extension 199/A (inset - artefacts)





## SITE NAME: TASMAN EXTENSION 200/A

Site Type:	<i>Rock shelter with PAD</i>	MGA Grid Reference:	<i>362476:6357815</i>
Date Recorded:	<i>20/10/11</i>	Topographic Map:	<i>Wallsend 9232-3S</i>
Recorder:	<i>Stephen Free</i>		

Landform Element:	<i>Ridge crest</i>	Vegetation:	<i>Forested</i>
Slope:	<i>Moderate</i>	Ground Disturbance:	<i>Low</i>
Distance to Water:	<i>&lt;50</i>		

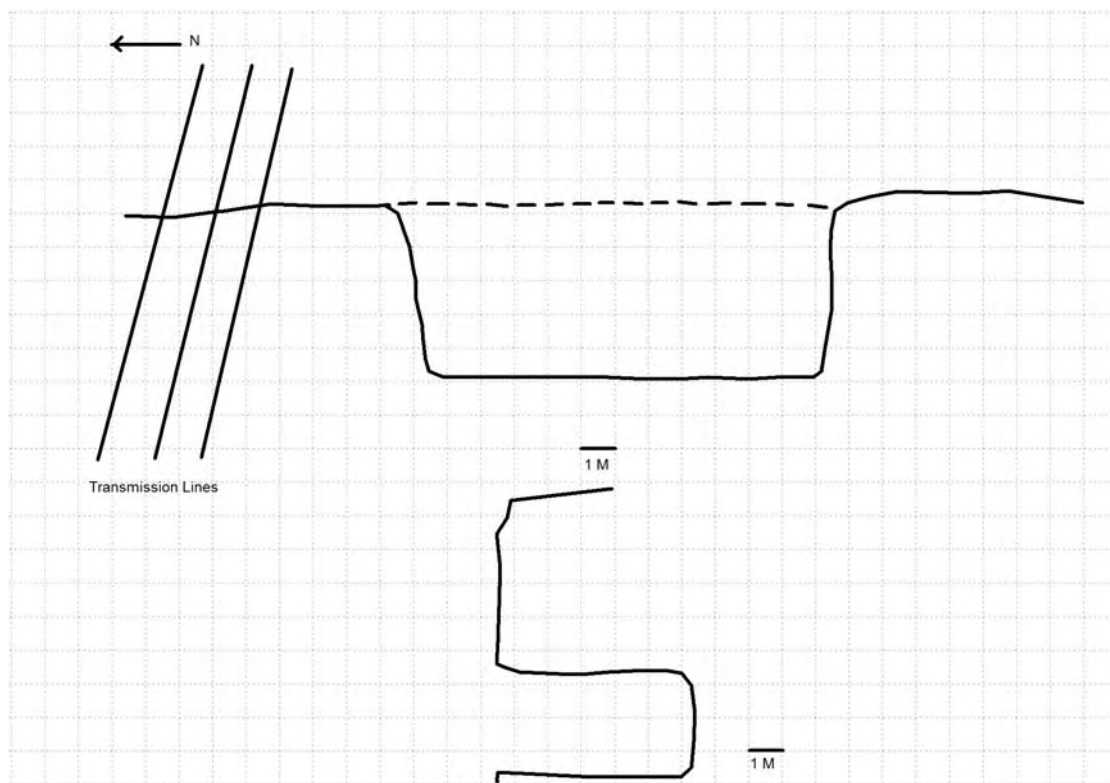
Rock Outcrop Material:	<i>Sandstone</i>
Outcrop Type:	<i>Rock shelter</i>
Outcrop Form:	<i>Cliff, boulder, outcrop</i>
Aspect:	<i>East</i>
Erosion:	<i>Exfoliation</i>
Surface Condition:	<i>Stable</i>
Soil:	<i>Sand</i>
Disturbance to Deposit:	<i>Low</i>
Causes of Disturbance:	<i>Erosion</i>

Possible Extent of Potential Archaeological Deposit:	<i>11 x 2m</i>
Possible Depth of Potential Archaeological Deposit:	<i>0.40 metres</i>
# of Artefacts:	<i>0</i>
Visible Extent of Artefacts:	<i>n/a</i>
Archaeological Visibility:	
Shelter Floor Area:	<i>11 x 5 metres</i>
Habitable Shelter Area (roof 1+ metres above floor):	

### Additional Comments:

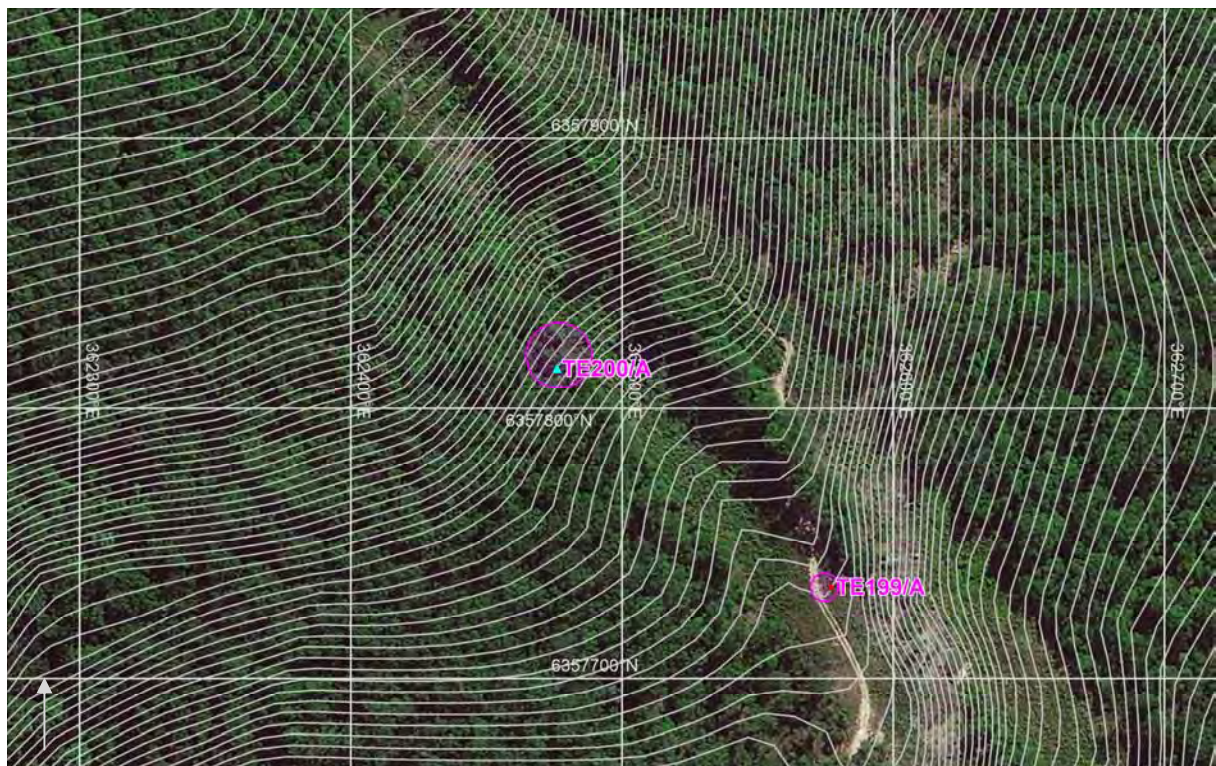
- ☐ Elevation 255 metres;
- ☐ Site located under transmission line;
- ☐ Engravings on wall face, likely historical in origin, possibly dating to construction of the transmission line;
- ☐ Dark staining on face, perhaps highly weathered Aboriginal art;
- ☐ Shelter located above drainage depression;
- ☐ Views over Lake Macquarie and southern Newcastle.

# Site plan and cross-section: Tasman Extension 200/A



KEY: Back wall at floor \_\_\_\_\_ Dripline ..... Deposit/PAD 

## Site Location: Tasman Extension 200/A





Photograph: Tasman Extension 200/A

