

TABLES

Table 1: High Intensity Rainfall Database (HIRDS)
Summary of historic rainfall depth records (mm)

ARI (years)	AEP	Duration (hours)									
		0.17	0.33	0.50	1	2	6	12	24	48	72
1.58	0.633	3mm	5	6	9	13	23	32	43	54	60
2	0.500	4	6	7	10	15	26	36	47	60	67
5	0.200	6	8	10	15	21	36	49	64	80	89
10	0.100	7	10	13	18	26	44	60	78	97	107
20	0.050	9	13	16	22	32	53	72	93	114	125
30	0.033	10	14	18	25	35	59	79	102	125	137
40	0.025	11	16	19	27	38	63	84	109	133	145
50	0.020	12	17	20	28	40	67	89	114	139	152
60	0.017	13	17	21	30	42	69	93	118	144	158
80	0.013	14	19	23	31	45	74	99	126	153	167
100	0.010	14	20	24	34	47	78	103	132	160	174
250	0.004	18	25	30	42	58	94	124	157	189	205

Table Notes:

ARI = Average Recurrence Interval.

AEP = Annual Exceedance Probability.

All rainfall depths are reported in millimetres (mm).

Table 2: High Intensity Rainfall Database (HIRDS)
Summary of historic average rainfall intensity estimates (mm/hr)

ARI (years)	AEP	Duration (hours)									
		0.17	0.33	0.50	1	2	6	12	24	48	72
1.58	0.633	21	15	12	9	7	4	3	2	1	1
2	0.5	24	17	14	10	7	4	3	2	1	1
5	0.2	34	24	20	15	10	6	4	3	2	1
10	0.1	44	31	25	18	13	7	5	3	2	1
20	0.05	54	38	31	22	16	9	6	4	2	2
30	0.033	61	43	35	25	18	10	7	4	3	2
40	0.025	67	47	38	27	19	11	7	5	3	2
50	0.02	71	50	40	28	20	11	7	5	3	2
60	0.017	75	52	42	30	21	12	8	5	3	2
80	0.013	81	56	45	32	22	12	8	5	3	2
100	0.01	86	59	48	34	24	13	9	6	3	2
250	0.004	109	74	60	42	29	16	10	7	4	3

Table Notes:

ARI = Average Recurrence Interval.

AEP = Annual Exceedance Probability.

All average rainfall intensities are reported in units of mm/hr. Such data has been estimated by dividing the measured rainfall depth by the relevant corresponding rainfall duration.

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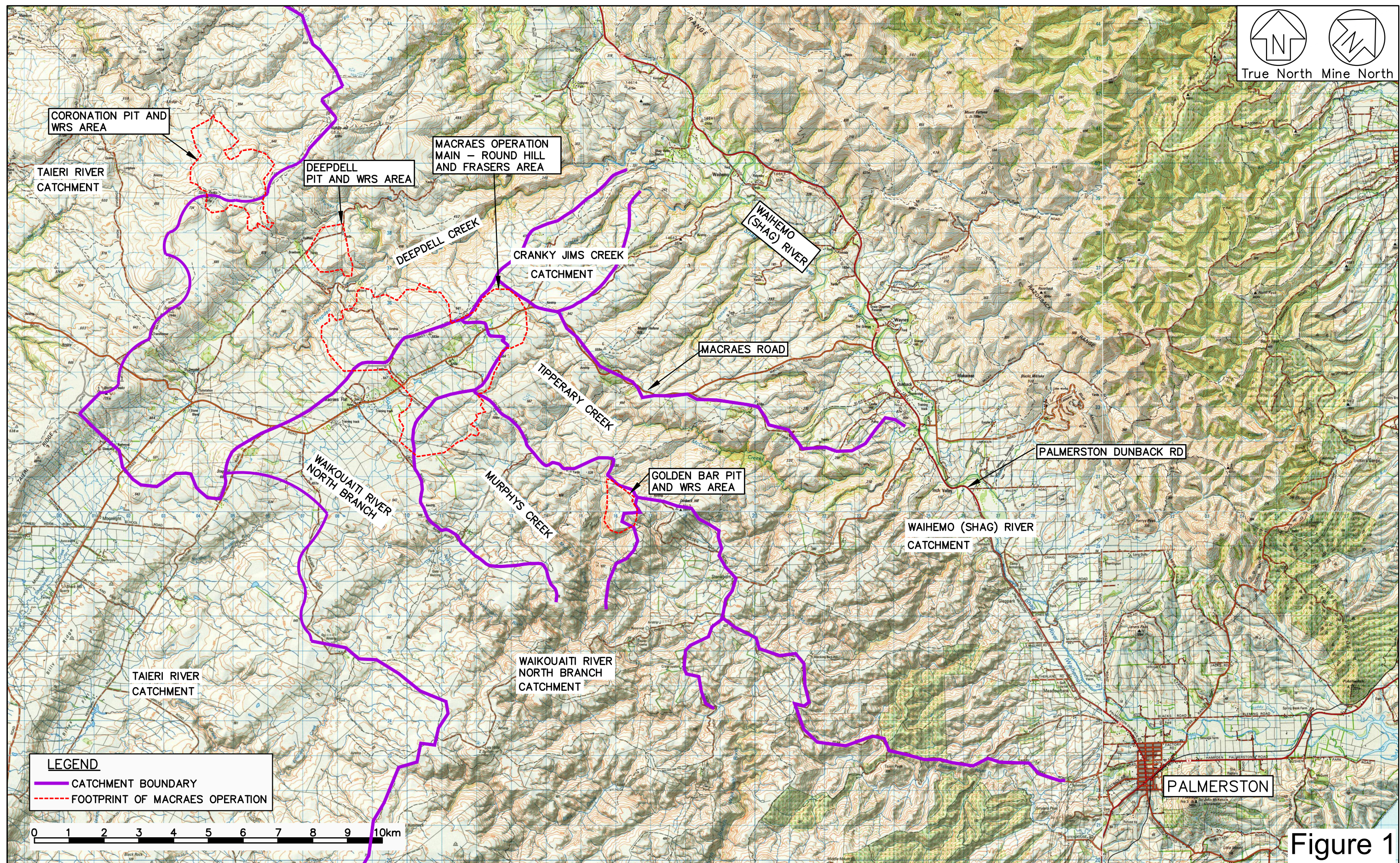


Figure 1

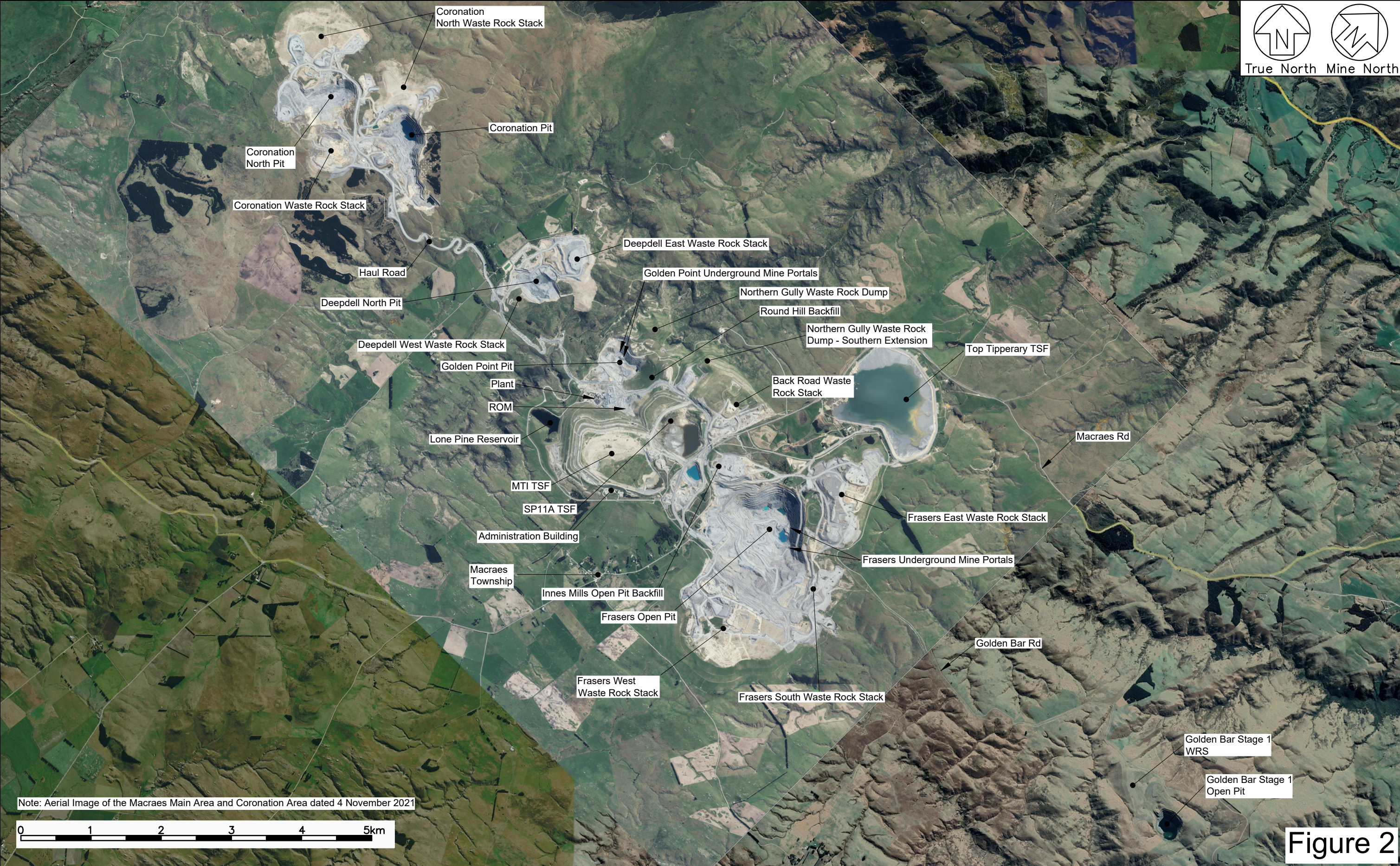


Figure 2



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OCEANA GOLD (NEW ZEALAND) LIMITED
MACRAES OPERATION
MACRAES PHASE 4
Existing Site Layout

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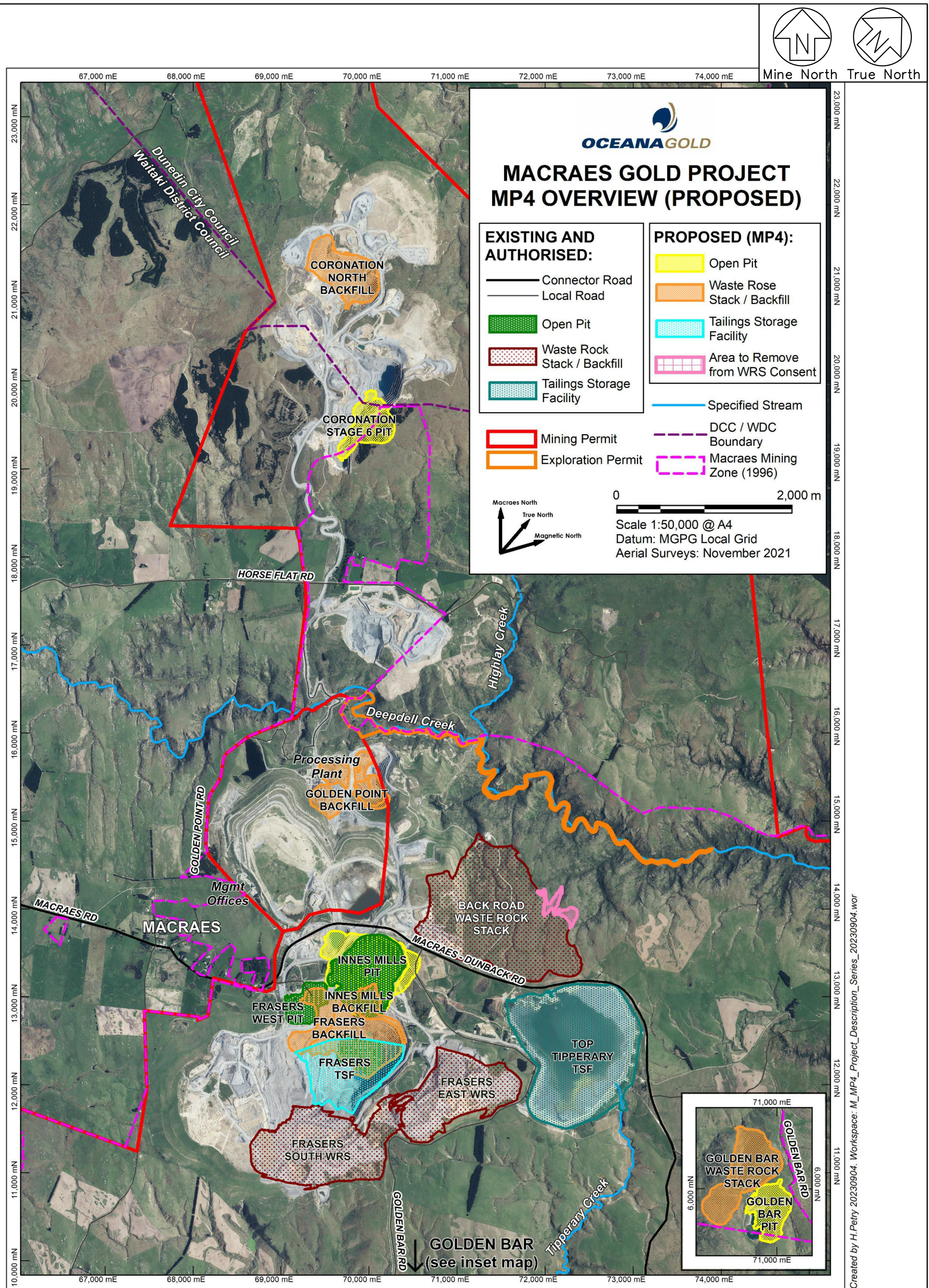


Figure 3