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TECHNICAL SERVICES SECTION



HUNDRED OF KUITPO

WATER WELL SURVEY

SCANNED

N. TAYLOR

Department of Mines and Energy
South Australia —

MICROFILMED

DEPARTMENT OF MINES AND ENERGY
SOUTH AUSTRALIA

GEOLOGICAL SURVEY

HUNDRED OF KUITPO
WATER WELL SURVEY

by

N. TAYLOR

Rept.Bk.No.78/16
G.S. No. 5990
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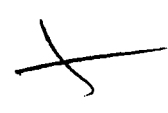
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HUNDRED OF KUITPO
WATER WELL SURVEY

ABSTRACT

A well survey of the hundred of Kuitpo was conducted to accurately locate all wells and update well information. Groundwater is obtained from Quaternary alluvial deposits, Tertiary sands and gravels and Pre-Cambrian slates, phyllites and quartzites. Salinity of the groundwater ranges from 200 to 5,000 mg/l, with supplies up to 90 kl/hour. The main land use is dairying. Pollution around Meadows township has been detected, with nitrate up to 165 mg/l (the World Health Organisation maximum recommended for drinking is 45 mg/l).



INTRODUCTION

The hundred of Kuitpo is situated south east of Adelaide in the southern Mount Lofty Ranges and includes the townships of Kangarilla, Meadows, Echunga and Hahndorf (Fig. 1).

As part of an investigation of groundwater resources in the Adelaide Hills, a water well survey of the hundred was carried out between May 1976 and September 1977. The purpose of the survey was to update and collect new well information, and to accurately locate all wells. A total of 921 water wells were located and in addition there were 33 exploration and foundation test holes.

PHYSICAL FEATURES

Topography

The hundred of Kuitpo is undulating, with areas of alluvial flood plains, but towards the south there are steep hills and valleys.

Climate

The area has warm to hot summers with cold and wet winters. The rainfall statistics (annual and monthly) for Meadows and Mt. Barker are shown in Figs. 2a and 2b.

Surface Hydrology

The Onkaparinga River flows along the western boundary of the northern portion of the hundred, flowing through the Mount Bold Reservoir, north east of Kangarilla. Meadows Creek flows south through the centre of the hundred. Numerous ephemeral creeks flow to either the Meadows Creek or the Onkaparinga River, both of which eventually discharge into the sea. Most farms have dams to supplement their water supplies.

Vegetation

Along the less accessible ridges and gullies natural scrub is predominant. The cleared areas are used for either irrigated pasture, market gardening or orchards. There are large areas of pine forests around the Mount Bold catchment area and approximately one quarter of the southern portion of the hundred is covered by State pine forests.

Land Use

Dairying is the most important aspect of farming in the hundred; with sheep farming and horse and cattle breeding to a lesser extent. The area from Echunga to Hahndorf has been largely subdivided into small farmlets which are used mainly for stock grazing, horse studs, market gardening and orchards.

HYDROGEOLOGY

Aquifers

The main aquifers of the hundred are:-

Quaternary alluvial deposits; Tertiary Sands and gravels and Pre-Cambrian slates, phyllites and quartzites.

<u>Aquifer</u>	<u>Salinity Range</u> (mg/l)	<u>Maximum Yield</u> (kl/hour)
Quaternary alluvial deposits	200 to 3 000	23
Tertiary sands and gravels	200 to 4 000	92
X Pre-Cambrian slates phyllites and quartzites	200 to 5 000	41

Well Construction and Equipment

The older wells were hand dug and lined with timber, whereas later wells were drilled and lined with steel casing. Newer wells being drilled in the hundred and either lined with steel or P.V.C. casing, and have either slotted casing or sand screens fitted where needed.

Most domestic wells are equipped with submersible pumps, while irrigation wells have either turbine or jack pumps and a few have submersibles. The stock wells are equipped with either windmills or jack pumps and these pump into storage tanks.

Pollution

Groundwater samples from wells in the Meadows township area were analysed for nitrate, the results indicating that pollution is occurring (Stadter, 1977). A well in section 3486 gave a nitrate value of 165 mg/l (the recommended World Health Organisation maximum for drinking is 45 mg/l). The school drainage well in section 3486 is suspected of being the cause of the pollution. Also poor drainage in the area is causing septic waste to seep from the ground, running along the roads and eventually into the nearby creek.

RECOMMENDATIONS

Several wells in the Meadows township area were tested for nitrate and it is recommended that further work be carried out in the hundred to determine its extent and any other areas of pollution. Furthermore, it is also recommended that for all new wells drilled in the hundred water samples should be submitted for a nitrate test.

NT:FdeA
17/2/78

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REFERENCE.

Stadter, M., 1976. Groundwater Survey, Town Water supply
for Meadows, Macclesfield, Echunga and Kangarilla.
R.B. 77/19 (unpub.).

APPENDIX I

WATER WELL DETAIL SHEETS

Hd. Kuitpo

Northern Portion

State No.	Date	Depth m	S.W.L. m	Salinity mg/l	pH	Supply m ³ /day	Use	Water Cut m	Casing	
									Dia. mm	Depth m
446000101	7-11-61	86.86	30.48	1391		218	General	47.25	152	46.79
446000102	18-11-76	152.40					General		152	
446000501	10-11-76	85.34		2545	7.4	87	Irrigation	30.48	152	6.09
446000502	10-11-76	121.90		1135	7.7	145	Stock	67.05	152	24.38
446000601	7-10-76	36.57	0.00	4850	7.5	44	Stock		114	
446000602	7-10-76	27.40	3.42	3660	8.1		Not in use		127	
446000901	9-11-76	4.57	1.10	2335	7.3	5	Stock		Well	
446001001	12-10-76	63.44		490	7.9	218	Stock		152	45.72
446001002	4-06-73		flowing	530	7.0				Spring	
446001003	12-10-76		1.04	640	7.3		Not in use		Well	
446001201	7-10-76		0.00	166	8.0		Not in use		Well	
446001202										
446001701	6-10-76	57.91		384	7.4	436	irrigation		152	56.38
446001901	13-10-76	60.96		1135	7.5	65		48.76	152	
446001902	13-10-76	95.10	57.25	1200	7.9		Observation		152	
446002201	26-08-76			1905	8.3	87			Spring	
446002202	4-07-77			117	6.1				Spring	
446002203	22-08-77			186	8.1				Spring	
446002201	12-05-76	9.25	6.45	275	7.4		not in use		Well	
446009801	29-05-41	48.76		1048		273				24.38
446009802	13-05-76	130.06		1360	7.1	436	irrigation		152	43.54
446010801	9-05-77	5.00	4.00	1000	7.4		domestic		Well	
446011401	22-11-76		0.20				not in use		152	
446011601	18-11-76	82.30		605	7.3				152	
446011701	18-11-76	93.26		2235	7.6	397	irrigation	64.00	152	49.63
446011702	16-01-62	79.25	48.76	3470		273	abandoned	35.05	152	43.38
446011703	23-10-61	68.58	30.48	3541			abandoned			
446011801	16-07-52	74.67	33.52	1799		22				
446011901	18-11-76	85.30		1710	7.1	173	stock		152	
446012001	9-01-33	45.72		2282						
446012201	18-11-76			3240	7.5	432	irrigation		152	
446012501	18-11-76			2335	7.4		irrigation		152	
446012701	1933	44.19		2197		27		39.62		
446013601	30-11-76	42.98		4110	7.2	153	stock		152	
446013701	5-02-40	60.96		3571						
446013702	2-40	60.96		2732						
446014001	28-06-76	50.00	11.79	455	7.7		not in use		152	30.48
446014201	5-10-76	12.19	1.31	840	7.7	16			152	12.19



State No.	Date	Depth m	S.W.L. m	Salinity mg/l	pH	Supply m ³ /day	Use	Water Cut m	Casing	
									Dia. mm	Depth m
446014301	6-10-76	11.28	flowing	1050	7.5	33			127	6.09
446014401	6-10-76	35.05	flowing	645	7.3	567	irrigation	2.13	152	35.05
446014402	6-10-76	18.29		2115	7.7	33	stock		127	6.09
446014601	21-05-52	11.58	6.09	1642					Well	
446014602	17-05-66	91.44		1715	5.8	327		14.32	152	50.59
446014603	29-11-76		0.50	207	7.3		not in use		Well	
446015201	25-11-76	76.10		2145	7.6	994	irrigation		127	30.48
446015301	28-05-52	27.43	4.26	2899		87				
446015302	25-11-76			2180	7.3		irrigation		152	
446015401	25-11-76	76.20		2545	7.1	648	irrigation		152	33.52
446015402	4-02-56			3270					creek	
446015403	25-11-76			2420	7.7	125	irrigation		152	
446015404	25-11-76	91.44		2410	8.0	994	irrigation		152	36.57
446015501	12-05-76	57.90	12.00	1920	7.0	164	general	35.66	152	35.66
446015601	12-05-76	60.65		1420	7.1	160	general	50.29	127	48.76
446015602	20-08-68	48.15	18.28	1645	6.5	24		30.48	152	24.38
446015603	2-06-76	60.96		1100	7.7	109	domestic		152	42.67
446015604	12-05-76			1050	7.8	120				
446015701	12-05-76	112.77		2240	7.3	927	irrigation		203	
446015702	12-05-76	70.10					irrigation		152	70.10
446015801	25-05-76	78.33		1475	7.0	1309	irrigation	45.70	152	45.72
446015901	20-05-76	41.14		1540	7.0	327		18.28	152	35.96
446016001	1-12-76			1470	8.2		stock		152	
446016201	1-12-76	82.30		1440	8.0	1200	irrigation		152	
446016301	6-37	27.73	16.76	2685		98		21.94		
446016501	12-36	37.79	6.40	1716		87		33.83		
446016601	5-10-76	56-69		665	8.2	436	irrigation		152	66.14
446016603	30-05-66	99.36								
446016701	5-10-76	101.60		630	7.5	305		69.49	152	100.58
446016801	5-10-76	87.50		585	8.2	131		27.50	152	69.96
446017101	31-05-76	121.92		1040	7.4				152	6.09
446017701	2-12-76	70.10	flowing	1575	6.8	432	irrigation	11.82	152	60.96
446017702	2-12-76	6.10	0.75	1775	6.6				well	
446017801	11-05-72			1570	6.5					
446018401	3-01-61	91.44		500		33	abandoned			
446018501	27-07-73						abandoned			
446019101	8-12-76	83.82		1925	7.3	295	irrigation		152	
446019102	8-12-76	24.38		1570	8.0	218	stock		152	
446019201	1-12-76	76.20		1380	7.7	546	stock	76.20	152	24.38
446019301	1-12-76		0.00	590	9.3		stock		127	

State No.	Date	Depth m	S.W.L. m	Salinity mg/l	pH	Supply m ³ /day	Use	Water Cut m	Casing	
									Dia. mm	Depth m
446019701	16-11-76	18.28	13.10	1170	6.5	55			152	
446019702	16-11-76	21.64	13.25	450	6.6	1157			203	15.85
446019703		157.10	47.00			164	abandoned	133		
446019901	16-11-76	54.86		645	7.1	44			152	54.86
446020001	18-11-76	77.42		5000	6.5	218	stock		102	
446020101	29-01-35	27.73		137						
446020102	25-07-50	14.02	6.09	4767		33		12.19	152	
446020103	22-11-55	36.57	2.75	4890						
446020601	29-01-75	1.20	0.6	767	6.4		not in use			
446030801	24-11-76			1570	7.1		stock			
446031101	26-11-76		13.50	1510	6.7		not in use		152	
446031301	25-11-76	113.39		3380	7.4	109	stock		152	18.28
446031401	21-05-52	94.49		3384		218	not in use	91.44	152	36.57
446031402	21-05-52			2970		22				
446032001	26-11-76		0.50	2209	7.0		not in use		152	
446032002	26-11-76	54.82	0.00	2175	6.8	44	stock		152	
446032003	26-11-76	60.96				164	abandoned			
446032801	21-12-76			2970	6.6	200	stock		152	
446032802	21-12-76	115.82		2515	8.0	345	irrigation		152	
446033701	0-12-59	10.66	9.14	6606						
446033801	25-11-76	86.26		1800	7.8	87	stock	85.34	152	77.11
446033901	24-11-76	143.26	8.50	649		44	not in use	91.44	102	
446033902	24-11-76	6.278		1780	7.3	713	irrigation		152	27.43
446033903	24-11-76	147.52	37.00	1245	8.2		not in use		102	147.52
446033904	24-11-76	103.63		1230	7.1	327	irrigation		152	
446034001		91.44	76.20	828		218		30.48	152	
446034002									152	
446034201	22-06-64	83.21	33.52	1593		327		44.19	203	23.77
446034301	5-01-77			380	7.6	216			152	
446034501	25-11-76	67.06		1750	7.2	164	stock	17.37		
446034601	13-10-76	54.86	47.07						152	
446034701	13-10-76	25.91		dry			abandoned			
446034901	7-10-76	44.20		1305	6.8	22	stock		102	
446034902	7-10-76			2970	7.5				152	
446035501	10-02-77	60.96		640	7.0	124		30.48	152	28.80
446035701	8-04-33	9.75	5.48	943						
446035702	10-02-77	96.01		2360	7.7	570		82.29	152	84.73
446035703	10-02-77			249	7.1		stock		102	
446036001	9-02-77		1.00	2740	7.9		stock		well	

State No.	Date	Depth m	S.W.L. m	Salinity mg/l	pH	Supply m ³ /day	Use	Water Cut m	Casing	
									Dia. mm	Depth m
446036301	9-02-77	79.25	0.00	2056		218		6.09	203	44.55
446036801	13-10-76			1000	8.7		irrigation		152	
446036901	11-05-76	91.44		3580	6.5	164	stock		152	
446036902	10-05-76	64.00	9.71	850	6.9				127	
446036903	11-05-76	137.16	17.72	1840	6.6				152	54.86
446037001	20-05-76	81.07		1700	7.1				152	64.00
446037201	9-02-77	85.30	0.00	1500	7.5	346				
446037202	9-02-77	128.02	0.00	1460	8.0	280	not in use		203	
446037203	9-02-77	60.96		1820	6.8	280	dairy			
446037301	20-05-76	96.01		1650	6.9	218	stock		152	
446037302	20-05-76	41.14		560	6.9				152	30.48
446037401	10-02-77	84.13	35.00	450	7.3	173			152	
446037402	10-02-77	182.88		1255	6.8	280	stock		152	
446037601	8-12-76	109.73	0.00	615	5.1	436			152	45.72
446037602	8-12-76	41.77					abandoned			
446037603	8-12-76	27.43		293	5.4	56	stock		152	25.90
446038001	9-03-71	33.52		1570	7.0	164		18.28	102	
446038301	8-02-77	107.90		3455	6.5	99		18.28	152	48.76
446038302	2-02-60	92.35	20.42	3313		131		21.33		
446038501	19-08-74	91.44		1230	6.7	982		48.77	152	44.80
446038502	7-01-74	137.14		1385	8.6	109	stock		152	76.20
446038801	14-12-76	106.68	0.00	1620	5.5	155	stock		152	
446038802	9-03-71	152.40					abandoned		152	
446038803	9-03-71	152.40	124.70			76	abandoned		152	
446038804	11-12-71	60.96	37.18	555	7.0	786	irrigation	37.18	152	54.86
446039001	14-12-76	129.54		1440	6.8	173	stock		152	
446039002	14-12-76			890	6.4		stock		152	
446039101	8-02-77	50.44		2460	7.7	70	stock	28.04	152	
446039102	8-02-77	104.54	2.00	2420	7.4	393			127	76.81
446039103	8-02-77	50.29								
446039104	8-02-77	91.44		3240	7.4	648	irrigation		152	
446039201	13-12-76	60.96		1670	5.1		stock		152	
446039202	13-12-76	106.68		445	6.3	546			152	18.28
446039203	22-12-72	112.16	0.61	985	7.0	131		39.62	152	3.81
446039204	13-12-76		0.00	1040	6.9		irrigation		152	
446039301	19-07-62	38.10				327				
446039501	18-11-65	109.72	28.04	3300		720				
446039502	16-12-65	109.72	51.81	1700	6.1	982				
446039601	9-12-76	56.00		595	6.4	109			152	36.57

State No.	Date	Depth m	S.W.L. m	Salinity mg/l	pH	Supply m ³ /day	Use	Water Cut m	Casing	
									Dia. mm	Depth m
446039602	9-03-71	91.44	15.24	585	7.0	218			152	91.44
446039701										
446039702	9-03-71	99.06	95.86	1070	7.0	185	stock		102	
446040201	24-04-69	48.76	12.19	3030	7.0	218		36.57		
446040301	10-09-75	57.91	15.24	1265	7.4	48		39.62	152	39.62
446040401	2-37	27.43		316		109				
446040501	14-12-76	44.19	8.25	288	7.2	218	domestic	7.62	203	2.13
446040502	13-12-76			760	6.5				spring	
446040503	13-12-76			645	6.8				spring	
446040504	13-12-76			830	7.2				spring	
446040701	25-03-76	76.20		1230	7.2				152	30.48
446041001	2-12-76	76.20	0.00	1320	6.5	436	unequipped	48.76	203	24.38
446041201		48.76								
446041202	6-12-76	54.86				216	not in use		152	
446041203	6-12-76	67.06		1570	7.3	82	stock		152	
446041204	6-12-76	21.34	0.00	1360	8.1				well	
446041205	6-12-76			1565	6.4				spring	
446041206	6-12-76	36.58	0.00	1455	6.9		stock		152	36.58
446041301	6-04-66	54.86	5.53	885	5.5	87	not in use	54.86	152	
446041302	6-04-66	76.20	12.09	2085	6.7	436		57.91	152	6.09
446041401	7-12-76	137.14		3000	7.7	273	stock	51.82	152	
446041402	7-12-76	158.49		2020	7.1	346			102	73.15
446041501	2-12-76	83.82		1510	7.6	281	stock		152	
446041502	2-12-76	60.96		2545	7.2	821	irrigation		152	
446041601	2-12-76	27.43		1415	7.6	173	irrigation		152	
446041602	2-12-76	27.43		2270	7.4		stock		152	
446041602	2-12-76	48.77					abandoned		152	
446041604	2-12-76			1440	7.6		irrigation		152	
446041605	2-12-76	121.92		1680	7.3		stock		152	
446042101	8-12-76	91.44		1590	7.8		stock		152	
446042201	8-12-76	91.44	1.10	2970	8.0	65	stock	91.44	152	
446042202	15-01-73	76.20	45.72	1870	7.0	131	irrigation	57.91	152	60.96
446042203	18-01-77	80.00		2110	7.9	218	irrigation	70.00	152	54.00
446042301	29-03-77	67.10	13.70	2620	7.4	545		63.00	152	63.70
446042401	19-12-74	76.20	9.14	1980	7.2	218	irrigation	32.20	152	32.00
446042501	2-02-77		3.55	301	7.2		stock		well	
446042801	26-01-77		2.00	1530	7.6				well	
446042901	11-01-77			1745	8.7	56	stock		152	
446043001	13-01-77	73.15		2335	7.5	218			152	18.28

State No.	Date	Depth m	S.W.L. m	Salinity mg/l	pH	Supply m ³ /day	Use	Water Cut m	Casing	
									Dia. mm	Depth m
446043002	23-03-71	76.20	4.87	1900	7.5	131	irrigation		152	
446043401	6-11-69	106.68	36.57	2355	7.0	436	irrigation		152	60.96
446043401	6-11-69	106.68	21.33	2355	6.0	327	irrigation		152	76.20
446043502	30-04-70	30.93					foundation			
446043503	14-05-70	36.83					foundation			
446043504							foundation			
446043601	11-01-77	42.67	0.00	2085	7.0		stock		152	
446043701	16-12-76	51.82	0.00	2190	6.8	109	not in use	30.48	203	
446043702	16-12-76	112.78		3660	6.9	655	irrigation	91.44	152	64.00
446044101	24-02-49			1873					creek	
446044301	27-10-69	98.14	42.67	290	6.5	22	stock		152	
446044401	7-05-76	121.92	5.48	935	7.5	131			203	27.43
446044501	27-07-73	59.40					domestic			
446044601	7-10-76	17.07		645	7.0	40		13.71	127	16.46
446044602	7-10-76	7.62		Dry			abandoned		well	
446044603	7-10-76	67.05		1305	8.7		irrigation		152	
446044702										
446044801	7-10-76			640	7.2				152	
446044901	28-10-69	45.72	30.48	700	6.5	82	stock		127	
446045201	7-10-76	64.01		3520	7.8	65	stock		102	
446045202	18-07-73	7.62	6.10	670	6.0					
446045401	7-10-76			4430	8.7				152	
446045601	7-10-76	30.48		2325	8.1	76			152	
446045701	7-10-76	39.92	flowing	4430	8.0	393	irrigation	1.52	152	
446045801	28-10-69	5.18	0.00	6215	7.0	55	not in use		well	
446045802	27-10-69			5685	7.5				spring	
446046001	12-10-76	6.10	0.00	2500	7.5	22	stock		well	
446046201	7-10-76			3170	6.5				152	
446046301	12-10-76	6.10	1.00	3520	8.3		not in use		well	
446046401	6-10-76	34.44		1295	7.7	98			152	
446046701	7-10-76	36.58		800	7.5	393			152	
446046702	7-10-76	114.30	11.88	1500	7.5	327			152	36.57
446046801	7-10-76	60-96		845	7.8	76			152	
446047501	12-10-76		2.00	259	7.1		not in use		well	
446048101	28-01-77	56.00	15.25	2270	7.1	764	stock	48.00	152	36.00
446048201	26-01-77	76.20		1000	7.3	218	irrigation		127	
446048301	26-01-77			2360	7.2		irrigation		152	
446048302	26-01-77		3.25	865	7.7		not in use		152	
446048401	7-12-65	82.29	39.62	405	6.7	55				

State No.	Date	Depth m	S.W.L. m	Salinity mg/l	pH	Supply m ³ /day	Use	Water Cut m	Casing	
									Dia. mm	Depth m
446048501	11-01-77	25.91	22.86	1745	7.3	43	stock		102	
446048601	12-01-77	60.96		1960	6.9	120		26.51	152	58.57
446048701	18-06-76	4.60	1.20	740	6.5		domestic		well	
446048801	2-03-53	152.40		1042		65		91.44	152	
446048901	17-01-77	152.40		830	7.8	56	stock	29.87	152	36.58
446048902	25-08-60	71.93	44.19	755		44		64.92	127	
446049001	12-01-77			1295	6.9	82	stock		152	
446049701	11-01-77	91.44		2050	6.6	112	stock			
446049801	11-01-77	60.96		1070	7.7	218			152	17.00
446050101	10-01-77		2.10	1805	6.2		not in use		well	
446050301	10-01-77			1805	6.4		not in use			
446051501	25-5-76	50.48		870	7.5				152	
446051801	27-07-73	12.19	0.00				abandoned		well	
446052301	5-04-32			1099						
446052302	27-12-73	73.15	9.14	700		281	domestic		152	
446052401	16-06-71	43.58	27.73	145	6.0	27	domestic		152	
446052801	17-03-58	9.14		2927						
446053901	16-11-76	131.06		181	6.8	112	irrigation		152	
446054301	22-11-71	54.86		1715	7.0					
446055001	19-03-34	10.36		2216						
446055002	16-11-34	21.64		2401						
446055003	24-04-34			443						
446055101	10-06-64	33.52	3.04	1700		33		13.71	152	11.58
446055601	1-12-76			2840	7.4		irrigation		152	
446056201	19-12-31		9.14	2175					mine	
446056202	5-01-77			545	7.2	56	stock		152	
446056301	5-01-77			435	6.8	216	stock		152	
446056401	5-01-77			384	7.1	65	stock			
446057201	14-03-34	9.14	8.12	345						
446057202	3-03-70	73.15		955	7.0	436		18.28		
446057601	5-01-77					78	stock		152	
446060201	1-07-76	121.92		980	8.4	655			152	60.96
446060701	17-05-54	28.34	11.27	1299				28.04		
446060801	5-03-63	18.89	13.71	3541		22		13.71		
446061801	5-03-63	36.57		1200		22				
446064201	14-12-76	78.03		1455	7.8	65	stock		102	
446064202	15-12-76	91.44		2740	8.0	1091	irrigation	76.20	152	19.50
446064401	8-04-33	144.63		1015				14.02		
446064402	10-02-77	109.73	36.58	2250	6.4	242	irrigation		152	60.96

State No.	Date	Depth m	S.W.L. m	Salinity mg/l	pH	Supply m ³ /day	Use	Water Cut m	Casing	
									Dia. mm	Depth m
446064501	10-02-77	91.44		1455	7.1	864	irrigation		152	91.44
446065901	17-07-59	3.04		100					well	
446065902	11-05-76	121.61	15.74	3300	6.4				152	6.09
446068101	10-02-77	60.96		1080	6.6	109		60.35	152	
446068601	2-03-77	67.00	26.00	705	7.3	22		40.00	152	39.30
446069201	26-01-77	60.24		2280	7.4	382	irrigation		127	
446070801	17-05-65	54.55	20.52	1830	6.1	546		28.95	152	54.55
446070802	17-05-66	84.73	19.68	115	5.8	196		69.19	152	32.91
446070901	12-05-76	4.90	0.90	790	7.3				well	
446070902	12-05-76			910	7.2	131				
446070903	1-06-76			1435	7.2				152	
446071601	7-02-49	54.86	48.15	1863		33		48.15		
446071901	10-02-77	82.30		197	7.3	280	stock		152	
446072002									well	
446072003	23-09-76	91.44		1210	8.1	764			152	
446072801	28-06-76	39.62	flowing	2475	7.2				203	
446073001	15-01-65	99.06	22.86	1355		546			152	67.05
446073002	25-11-76	91.44		1715	7.5	33				
446073501										
446073502	16-11-76	54.86		309	5.9	65	domestic		152	54.86
446073801	15-06-71	106.68	6.09	1170	6.0	218	stock		102	39.62
446073802										
446074501	15-11-76	137.16		500	6.5	131	not in use	106.68	152	
446074502	10-07-73	10.06	1.22						well	
446074701	25-07-50	91.44		5266		382	abandoned			
446074702	10-07-73	3.66	flowing			11			well	
446075001	31-07-69	18.69					foundation			
446075002	31-03-69	61.92					foundation			
446075003	13-03-69	44.14					foundation			
446075004	6-08-68	60.96					foundation			
446075005	1-07-69	19.40					foundation			
446075006	17-07-69	17.88					foundation			
446075007	11-07-69	16.61					foundation			
446075008	7-07-69	23.72					foundation			
446075101	28-02-69	25.95					foundation			
446075108	21-02-69	31.09					foundation			
446075103	15-10-71	12.29					foundation			
446075104	21-10-71	15.24					foundation			
446075401	10-11-76	30.48		975	7.4	218	irrigation	15.20	152	18.28
446075501	10-11-76	3.66	0.00	645	7.2		not in use		well	

State No.	Date	Depth m	S.W.L. m	Salinity mg/l	pH	Supply m ³ /day	Use	Water Cut m	Casing	
									Dia. mm	Depth m
446075502	10-11-76	103.63		880	7.5	200	irrigation		152	12.19
446075601	10-11-76	76.20		1715		131	not in use	57.91	152	
446075801	15-06-71	32.61	9.14	645	7.0	131	irrigation		152	
446075802										
446075901	10-11-76	6.10	0.00	950	7.5		stock		well	
446075902	10-11-76	60.96	16.95	1440	7.2	273	irrigation		152	21.33
446076001	11-11-76	15.24	0.00	1040	7.7				152	15.24
446076002	11-11-76	23.17	14.45	1655	7.3	43	stock		152	5.48
446076201	10-11-76	84.43		1170	7.5	218	stock	82.29	203	3.65
446076202	1-07-75	80.77	30.48	3431			abandoned	42.67	152	
446076301	9-11-76	33.20		1670	7.8	44	stock		152	
446076302	9-11-76	3.66	0.50	3960	7.3	22	stock		well	
446077301	23-06-76		6.11	3450	7.1	655			152	
446077401	7-01-74	100.58	1.82	1785		327			152	27.43
446078301	11-01-77			950	7.2		stock		152	
446079401	22-09-76	6.10	5.30	580	7.7	22			well	
446079402	23-09-76		2.26	1505	7.6		stock		102	
446079501	23-09-76		2.86	675	7.9		unequipped		152	
446079502	23-09-76		0.53	980	7.7		stock		well	
446079601	24-09-76		flowing	1091					mine	
446079602	23-09-76	39.62	flowing	1745	6.7	218		6.70	152	24.38
446079801	22-09-76	1.00	0.00	1070	7.5		stock		spring	
446080001	25-10-76		0.00	1070	7.6				spring	
446080401	23-11-76		0.75	1060	7.4	432	irrigation		203	
446081001	3-07-73	45.72		5285	7.0	22		43.89	102	15.54
446081201	29-05-73	29.90	flowing	3100	7.5	76		15.24	152	6.09
446081202	9-11-76	4.57	0.00	2000	7.9				well	
446081203		4.57	1.00				abandoned		well	
446081301	25-07-50	7.01	3.65	1130		11				
446081302	9-11-76	36.58		1055		164	not in use		152	36.57
446081303	9-11-76	45.72		1475	7.5	982	stock		152	
446081304	9-11-76			2020	7.2		general		152	
446081305	9-11-76			1215	7.6		stock		152	
446081501	22-09-76			590	7.0		stock			
446081601	12-11-76	61.00	15.25	3035	7.3	164			152	6.09
446081602	10-07-73	60.96	21.33	8825		164	abandoned	24.38		
446081901	26-05-76	121.92				982			152	6.09
446082301	12-11-76			5200	7.5				creek	
446082302	12-11-76		0.50	5500	7.3		not in use		well	
446082501	9-11-76	38.82	3.25	3380	7.2	65	irrigation		152	6.09

State No.	Date	Depth m	S.W.L. m	Salinity mg/l	pH	Supply m ³ /day	Use	Water Cut m	Casing	
									Dia. mm	Depth m
446082601	9-11-76	97.54	15.24	1385	7.7	164	stock		152	45.72
446083301	17-01-66			2085	6.7				spring	
446083302	21-05-52	57.91		1328		30				
446083303	2-01-62	60.96	36.57	1428						
446083901	8-11-76	18.29	3.15	1410	6.7	216	Observation Bore		152	
446083902	8-11-76	76.81		2480	7.6	994	irrigation		152	
446084001	8-11-76	60.96		1410	7.5	1309			152	58.52
446084002	8-11-76	9.75		1565	7.5				well	
446084101	8-10-76	67.06		720	7.9	436		60.96	152	36.57
446084501	9-11-76	67.06	15.25	665	7.2	216	unequipped		152	18.28
446085401	17-06-75		1.35				observation bore			
446085402	17-06-75	24.00	0.85				observation bore		203	24.00
446086801	16-11-76			450	6.8		irrigation		152	
446087101	7-07-75						creek			
446087102	6-10-76	7.62	4.50	377	7.2	55	stock		well	
446087201	7-11-47	99.97	21.33	1345		218	abandoned	21.33	152	67.05
446087202	13-10-76	91.44	flowing	1325	8.3	218	irrigation		152	
446087301	21-09-76		flowing	715	7.5				152	
446087302	8-10-76			1235	7.8		stock		102	
446087401	4-07-73			1385	7.0			60.96	152	
446087501	14-10-76	91.44		1625	7.8	76	general	60.96	127	59.99
446087502	31-01-61	30.48	15.24			22		19.20	152	
446087503	16-01-76	39.62		658	7.4	1091			152	
446087504	22-09-76		16.10	800	7.4		domestic		152	
446087601	21-09-76	100.89	13.71	1150	9.3	327			152	85.34
446087701	22-09-76			197	7.4		domestic		152	
446087901	15-10-73	61.26				33			152	61.26
446087902	16-11-76	79.25		1130	7.2	86	irrigation		152	
446088001										
446089101	13-01-77	50.59		1415	7.0	1080	irrigation	23.77	152	26.82
446095401	22-09-76	72.54	3.50	1420	7.8			39.01		
446095402	22-09-76			775	8.3		irrigation			
446095403	21-09-76	19.81	18.22	825	7.8	109		12.19	152	
446095404	21-09-76	36.57		775	8.7		irrigation		152	
446095501	22-09-76	27.43	5.35	815	7.2	218		10.66	152	6.09
446095502	22-09-76	33.50		585	7.6	11	general	30.00		
446095503	26-08-76			610	8.2		domestic			
446095504										
446095601	24-02-77	40.00	1.20	755	7.8	240	irrigation	32.00	152	13.00
446095701	22-11-76	18.29	0.00	915	7.7	112	stock		152	

State No.	Date	Depth m	S.W.L. m	Salinity mg/l	pH	Supply m ³ /day	Use	Water Cut m	Casing Dia. mm	Depth m
446095801	22-11-76	21.34	1.45	1120	7.8	112	irrigation	15.24	152	9.75
446096001	23-11-76	60.96		1210	7.8	1080	irrigation		152	
446096201										
446105801	21-09-76	27.43	19.15	545	8.1	65	stock		152	18.28
446163501	13-10-76	68.58		1050	8.2	218			152	2.43
446163502	13-10-76	35.97	dry				abandoned		127	
446163601	21-09-76	2.44	0.79	163	7.3				well	
446163602	21-09-76						stock		152	
446163701	22-05-73	33.58		700	7.0	16			152	6.09
446163801	21-05-46	81.99	48.15			55	domestic	48.15	127	78.33
446163802	5-10-76			1185	8.2					
446163803	5-10-76	31.10	5.48	1180	7.6	98		25.90		
446163804	7-07-75						observation		creek	
446164002	17-02-77	9.14	1.00	4850	7.4		stock		well	
446164003	17-02-77	10.70	10.30							
446164201	27-01-77			1295	7.7		stock		well	
446164202	27-01-77						not in use		203	
446164203	27-01-77			755	7.4	136	stock			
446164801	23-01-75	30.58	1.83	2315	6.8	655	general			
446332001	18-04-66	22.25	5.48	1200	6.7	1964		5.48	203	6.09
446332002	3-09-66	9.14		1200	7.0	655	observation bore	6.09	152	9.14
446332501	13-08-75	95.34	18.29	1510	7.8	1637		73.15	152	53.34
446332601	5-04-38	6.09		1163					well	
446332801	20-10-40	5.48	0.30	2903					well	
446332802	23-12-76			1325	7.9		irrigation			
446332901	23-12-76	115.82	5.25	865	6.6	78	unequipped		152	
446332902	23-12-76	152.40		660	7.2	6	not in use		152	
446342001	23-03-54	27.43	7.62	1485		327		25.90	152	27.12
446342201	16-07-52	30.48	7.62	2629		55		7.62		
446342301	18-11-76	18.29	5.25	4500	7.8		stock		152	
446342401	16-07-52	38.10	9.15	2456		55				
446345001	27-12-67	60.96		1320	7.0	382		45.72	152	60.96
446346701	18-11-76			2740	7.5	109	stock		well	
446346702	18-11-76	79.55	0.00	2450	7.2	562	irrigation	28.95	152	30.37
446347101	28-10-46	60.96	6.09	2588		491		30.48	152	30.48
446347102	24-04-54			3756					spring	
446347201	10-04-64			9710					creek	
446347202	10-04-64		0.00	3215					spring	
446347203	10-04-64	30.48	1.82	2255		109		9.14	127	21.33
446347204	1-09-60	79.24	24.74	3213		33	abandoned	70.10	nil	

State No.	Date	Depth m	S.W.L. m	Salinity mg/l	pH	Supply m ³ /day	Use	Water Cut m	Casing	
									Dia. mm	Depth m
446347205	9-09-60	67.05	60.96	1499			abandoned	60.96	nil	
446347206	5-07-74	12.19					abandoned		well	
446347301	20-01-77	30.48		2900	7.1	112	stock		152	
446347302	20-01-77			4110	7.2		stock		spring	
446347401	21-05-52	35.05	6.09	1694		273				
446347501	21-05-52	53.34	3.35	1899		764				
446347701										
446348101	16-07-52	33.53		2570		273				30.48
446348102	11-05-76	85.35		496	7.2	65	general		152	67.05
446347801	28-06-76	27.43		2840	7.2				152	24.38
446348501	23-06-76	53.50		1905	7.1		general		152	12.20
446348502	23-06-76	34.30	7.23	870	7.8		general		152	
446348503	24-06-76	60.96		595	7.4	436			152	51.81
446348801	30-06-76			465	7.8	218			152	27.43
446348901	31-05-60	64.00		757		185				
446349201	24-06-76	51.81	13.38			164	not in use		152	30.48
446349301	29-06-76	42.06		1070	7.5	55		36.57	152	28.65
446349901	18-04-63	38.10	18.89	2313		1528			203	
446353001	25-11-76	121.92		660	8.5	1080	irrigation		152	106.68
446353401	15-09-75	91.44		1760	7.1	327	irrigation	76.20	152	
446380901	12-05-76	73.15		990	7.4	142			152	
446381101	26-05-76	92.96		1550	7.4	327		86.87	152	6.09
446381102	26-05-76	88.39	29.00	980	7.3	196			203	6.09
446381201	26-01-77	33.22	2.50	1645	7.5	382		28.95		
446381202	20-10-71	45.72		1645	7.0	818	general	various from		
								10.97	203	21.48
446381203	25-01-77	91.44		1010	7.5	1080	foundation			
446381204	25-01-77	91.44		1010	7.5	1080	irrigation	45.72	152	9.14
446381205	26-01-77			1725	8.3		garden		well	
446381301	22-12-76		47.60	1470	7.0		irrigation		152	
446381701	16-12-76	45.72		1775	7.1				152	
446381702	16-02-53			2228		218			152	
446381703	16-02-53	24.38				98				
446381901	25-01-77	67.06	0.00	1750	7.2	218			152	nil
446381902	24-01-77	5.79	0.25	1365	7.7		stock			
446381903				735	7.4		irrigation			
446381904	24-01-77	3.05	0.25	1080	7.3		stock		well	
446382001	26-01-77	60.96	1.25	775	7.9	382	irrigation		152	9.14

State No.	Date	Depth m	S.W.L. m	Salinity mg/l	pH	Supply m ³ /day	Use	Water Cut m	Casing	
									Dia. mm	Depth m
446382101	6-11-69	114.30	54.86			98	abandoned	18.28	203	15.85
446382102	17-01-77	83.82		1325	8.0	327	irrigation	60.96	203	60.96
446382201	21-01-77	91.44	39.62	1620	6.8	1080	irrigation		152	
446382202	12-01-77	45.72	12.19	1530	6.9	1080	irrigation	50.29	152	
446382203	12-01-77	91.44	36.60	1715	7.4	200	irrigation		152	
446382601	18-02-37	21.94	1.82	1659		109			127	20.47
446382801	8-02-37	42.98	14.63	1487		55		39.01		
446382802	16-12-76	33.48		905	7.3	2730	irrigation		152	
446382803	13-01-77	121.90		1745	7.1	199	general			
446382804	16-12-76			1885	7.9	163	stock		152	
446382805	10-01-77			2235	7.3		stock		152	
446382901	13-01-77			4140	7.3		stock			
446383401	8-07-59	99.97	27.43	1100		327		32.00	203	85.34
446383402	30-11-76						irrigation		152	
446384201	10-01-58	82.30	27.43	1257		218			152	45.72
446384701	7-04-66	91.44	6.55	1455	5.8	55	abandoned		152	not
446384702	5-01-77					1080	irrigation		152	
446384801	4-01-77	106.68		580	8.4	65	general	51.82	152	51.82
446384901	22-12-76			2235	6.6		irrigation		152	
446385201	24-03-32			679						
446385202	7-01-77	17.07		645	8.4	216	irrigation		152	17.07
446385203	7-01-77	70.10		450	7.8	165	stock			54.86
446385401	8-02-77	47.85		1690	7.5	86		15.24	152	47.85
446385402	23-01-68	30.48		2155	7.0	87				
446385501	8-02-77		0.00	2970	7.6	56				
446385601	7-02-57			1357		109				
446385701	4-05-76	67.05		1020	7.3	327	stock		152	
446385801	10-02-32	51.82		574						
446385802	4-05-76	152.40		1300	7.1	142	stock		152	73.15
446385803	4-05-76	106.68	12.19	575	7.4	87	general		152	30.48
446385804	4-05-76									
446385901	2-06-76	91.44				109			152	
446385902	2-06-76	94.79		945	7.3				203	12.19
446385903	2-06-76	76.20		1120	7.9				152	
446386001	15-03-35	73.15	24.38	1046		218				
446386002	1-07-76						not in use			
446386201	18-03-55	24.38	10.66	757		22	not in use	15.24	127	14.63
446386202	19-09-66	91.44		1255		131	not in use			
446386203	7-05-76	3.65					filled in		well	
446386204	7-05-76	76.20		1150	7.7	1637			152	15.24
446386301	5-05-76	48.76	7.62	1480	7.2	327			152	27.43

State No.	Date	Depth m	S.W.L. m	Salinity mg/l	pH	Supply m ³ /day	Use	Water Cut m	Casing	
									Dia. mm	Depth m
446386302	5-05-76	44.19				382	not in use		152	27.43
446386501	10-03-55	121.92	10.66	1457		382	not in use	103.63	152	102.41
446386601	17-05-66	121.92		800	6.7	327			203	6.09
446386602	19-05-66	83.82				1091		18.28	178	4.87
446386603	1-06-76		12.80	960	7.4		unequipped		178	
446386701	2-06-76	85.34		2615	7.2	131				
446386702	2-06-76	85.34					not in use			
446386801	1-06-76	73.15		755	7.4				152	24.38
446386902	26-05-76	68.58				436		18.28	152	
446387001	7-05-76	92.05					not in use		152	36.57
446387101	22-12-76		0.00	2515	7.0	216	unequipped		152	
446387102	22-12-76		0.00	1835	6.1		unequipped		203	
446387302	25-07-50	3.04	1.52	900		5			well	
446387303	25-07-50	70.10		2530		218	not in use	63.39	152	60.96
446387304	7-02-77			1055						
446387401	17-12-59			2173					creek	
446387402	11-05-76	47.55	20.87	1810	6.7	22			well	
446387403	10-03-71	106.68	33.52	1770	7.0	218	irrigation	45.11	203	4.57
446387501	5-05-76	30.48		1420	7.1	382	general	21.33	152	12.80
446387502	5-05-76	37.79		1300	7.3	55	general		152	27.43
446387503	20-05-76	73.15		1230	7.9	109	general		152	
446387504	5-05-76	4.50	1.70	1870	7.3	65	stock		well	
446387601	11-04-57	43.59	10.05	435		109	general	42.06	152	8.58
446387602	26-05-76	12.70	11.85	930	7.2	11	general		well	
446387603	5-12-56	10.21	4.57	271					well	
446387604	6-12-56	10.21	2.74	200					well	
446387605	10-05-76	58.52		960	7.2	546	irrigation	54.86	152	24.53
446387606	21-05-76	10.20	3.05	585	7.7				well	
446387607	21-05-76	9.40	4.00	425	7.4				well	
446387608	25-05-76	14.25	11.40	685	7.4				well	
446387609	25-05-76	32.00	8.20	1180	7.5				152	
446387610	14-02-77	40.20	10.00	530	7.5	164	general	38.00	152	24.25
446387701	26-05-76	30.48		810	7.3				152	
446387702	20-05-76	121.92		620	7.5		irrigation		152	66.05
446387703	26-05-76	91.44		960	7.5		irrigation		152	
446387901	10-03-71	60.96		1070	7.5	273	general		203	
446387902	13-05-76	30.48		990	7.2	55	general		152	
446387903	13-05-76	36.57		1510	7.2		general		152	24.38
446387904	13-05-76			990	7.7		domestic		152	
446387905	13-05-76	51.81	16.25	1020	7.6	109	domestic		152	30.48

State No.	Date	Depth m	S.W.L. m	Salinity mg/l	pH	Supply m ³ /day	Use	Water Cut m	Casing Dia. mm	Depth m
446387906	13-05-76	45.72	17.59	935	7.7		domestic		152	30.48
446387907	13-05-76	17.06	14.47	910	7.4		general		well	
446387908	13-05-76	10.32	8.70	2170	7.2				well	
446387909	2-06-76	76.20		1050	8.1	546			203	
446388001	10-05-76	60.96		1540	7.3	295	irrigation		152	
446388003	10-05-76	60.96		2200	7.1	546	irrigation		203	
446388004	5-05-76	44.19		1360	7.2	284	general		152	32.30
446388005	5-05-76	36.51		1360	7.2				152	
446388201	12-01-67									
446388203	13-05-76		17.85	1730	7.3		unequipped		152	
446388301	-01-62	86.86		1499		327		42.67		
446388302	31-05-76	94.48		1010	7.3	436	irrigation	25.90	152	15.24
446388303	26-05-76	97.53		655	7.4	436			152	6.09
446388304	31-05-76	121.92		810	7.5	327			152	6.09
446388401	31-05-76	121.92		1030	7.7	655			152	28.65
446388501	13-05-76	60.96		1810	7.1				203	
446388701	20-05-76	85.34		1050	7.0	491				
446388702	14-04-71	91.44		770	7.0	327	general		203	
446389201	6-12-66	62.48		1320	6.7	1091		60.35	152	9.75
446389301	9-12-74	91.40	30.50	1450	7.0	218	general			
446389401	15-12-76	51.82	0.25	1040	7.2	130	stock		203	
446389501	10-04-58	51.81		1000		273				
446389601	12-05-76	60.96		960	7.3	327			152	
446389602	1-12-76			1385	9.1	346	stock		152	
446389801	1-12-76	47.85		1945	7.8	164	domestic		152	
446389802	1-12-76	42.67		2030	8.5	546	irrigation	25.90	152	24.23
446389803	1-12-76			2530	8.2		irrigation		152	
446389901	1-03-60	42.36		1782		164		36.57	203	18.28
446389902	1-12-76	39.93		1565	7.5	648	irrigation	23.47	152	27.43
446390001	25-06-40	19.81		2515						
446390002	12-09-34	23.16		2308						
446390003	22-03-54	76.20	11.88	1673		546				
446390004	26-10-54			1473						
446390006	30-11-76			1130	7.2		irrigation		creek	
446390007	22-11-76	36.58		3660	7.4	136	stock		152	6.10
446390101	6-11-61	94.18	0.61	2827		327		48.76	152	52.73
446390102	-01-62			2313					creek	
446390201	1-12-76		0.00	2335	7.4		stock		152	
446390301	1-12-76	67.06		2705	7.7	216	stock		152	
446390401	8-12-76	60.96		1180	7.5	497	irrigation	53.34	152	22.25

State No.	Date	Depth m	S.W.L. m	Salinity mg/l	pH	Supply m ³ /day	Use	Water Cut m	Casing	
									Dia. mm	Depth m
446390402	8-12-76	39.62		1130	7.1	86	stock		152	
446390403	8-12-76	51.82		1435	7.3	86	stock		152	
446390601	19-01-77			1180	7.5		stock		152	
446390801	28-01-66	60.96	6.09	2285	6.7	1528		54.86	152	59.13
446390802	20-01-77		1.00	775	7.3		unequipped		152	
446390901	26-03-68	76.20	25.60	1715	7.0	982		60.96	152	
446390902	19-01-77	34.44				399	irrigation		152	12.19
446391001	19-01-77	34.14				399	irrigation		152	6.10
446391101	19-01-77	24.08		705	7.7	200	irrigation		152	6.10
446391102	18-01-77	60.96	1.20	1070	7.8	86	stock		102	
446391103	19-01-77		2.30	1315	7.3		domestic		well	
446391201	17-10-66	68.58	8.53	645	7.0	655		51.81	152	17.67
446391202	20-01-77	33.53		865	7.2	200	stock		152	
446391301	19-07-62	36.58				327	abandoned		152	
446391302	8-12-76	36.58		1815	7.1	327	irrigation			
446391303	1-12-76					216	irrigation		152	
446391501	18-01-77	75.20	22.86	1565	7.5	600			152	60.96
446391601	18-01-77		1.15	765	8.0		not in use		well	
446391602	18-01-77		1.10	590	7.6		domestic		well	
446391603	18-01-77						abandoned		well	
446391604	18-01-77		1.50	605	7.3		domestic		well	
446391605	18-01-77			690	7.5		domestic		well	
446391606	18-04-77	44.00	10.00	615	7.8	22	domestic	28.70	152	5.00
446391701	18-01-77	51.82		1765	6.9	55			152	
446391702	18-01-77		2.85	109	7.5		unequipped		152	
446391703	25-05-77	67.00	21.00	1130	7.2	100		58.50	152	61.50
446391801							foundation			
446391802							foundation			
446391901	5-01-77	82.30	26.00	805	7.4	266	irrigation		152	51.82
446392001	13-03-58	87.47	51.81	1573		218				
446392002	18-01-77			820	7.7		stock		152	
446392101	18-01-77						abandoned		152	
446392201	5-01-77	48.71	1.25	800	7.9	112	irrigation		152	9.14
446393201	2-12-76	36.58				216	irrigation		152	
446416301	18-04-68			1515	7.0				spring	
446416302	18-04-68			4285	7.0				spring	
446416303	16-12-76	11.57		106	6.4				well	
446416801	23-11-76	15.24	1.10	1870	6.7		not in use		152	
446416901	24-11-76	6.10	0.00	1850	6.6		not in use		well	
446416902	24-11-76			1265	7.6		general		102	

State No.	Date	Depth m	S.W.L. m	Salinity mg/l	pH	Supply m ³ /day	Use	Water Cut m	Casing	
									Dia. mm	Depth m
446417401	22-11-76			2480	7.3	2730	irrigation		127	
446417501	22-11-76	106.68	0.00	2520	8.1	1964	irrigation		203	38.40
446423101	21-05-70	24.48					foundation			
446423102	27-05-70	24.38					foundation			
446423201	25-01-77	67.05		1425	7.4	982	irrigation	57.91	152	9.14
446423301	9-02-49	30.78	4.42	3187		76		28.65	127	3.04
446423302	5-02-53	39.62				218			152	
446423303	6-07-70	12.19	flowing	1900	7.0	218			127	12.19
446423304	16-12-75	48.46	2.25	1120	7.1	546	observation foundation	46.32	152	5.02
446423305										
446423306	26-01-77			1675	7.6				mine	
446423401	2-02-77	6.10	0.00	1505	7.9		stock		well	
446423402	1-02-77	5.49	2.65	54	7.4		not in use		well	
446423403	24-11-49	9.14		1599		2		7.62	well	
446423404	17-02-53	13.41							well	
446423405	17-02-53	46.63	4.57	1685		404				
446423406	25-01-77	51.81		2095	7.0	218	stock foundation			
446423407										
446423408	1-02-77	54.82		3240	6.9	389			152	
446423409	29-03-61	50.29	4.26	2782		26	drainage	13.71	152	13.71
446423410	26-01-77			2335	7.6				spring	
446423411	25-01-77		0.25	2015	7.4		not in use		well	
446423412	25-01-77		1.10	2515	7.3		not in use		well	
446423501	6-02-53	68.58	21.33	1956		218		53.34		
446423502	6-02-53	116.43				6				
446423503	6-02-53									
446423504	1-02-77	100.58					abandoned			
446423505	15-04-53	27.43	0.91	1514	7.0	218				
446423506	6-11-69	77.72	0.00	2155	7.0	327	irrigation		203	48.76
446423701	28-11-75	91.00	26.00	740	7.9	382			152	58.00
446423702	19-01-77	91.44		1130	7.4		stock		152	

State No.	Date	Depth m	S.W.L. m	Salinity mg/l	pH	Supply m ³ /day	Use	Water Cut m	Casing	
									Dia. mm	Depth m
446052001	1-07-76	137		925	7.9	660	irrigation			
446052101	1-07-76	40.53	6.09	620	8.0	2200	Dairy	10.66 ^M	152	40.00
446052102	11-02-57			885			creek			
446052103	1-07-76			620	7.9					
446059001	30-05-40	31.09	14.63	3246						
446084201	22-06-76			735	7.4		domestic			
446345201	30-06-76								152	
446345202	30-06-76	45.72		1415	7.0		domestic		152	30.48
446345203	30-06-76	27.43		1775	7.0		domestic		152	6.09
446345204	30-06-76	54.84		2410	6.9		domestic		102	48.76
446347801	16-10-52			1742		22				
446347802	21-06-76	60.96		870	7.4	382	irrigation		203	
446348001	7-04-64	60.96		885				48.76	152	
446348002	22-06-76	30.48	9.43	860	7.6		domestic		152	30.48
446348003	22-06-76		5.91	810	7.3				152	
446348004	22-06-76	9.14	4.87	830	7.3	82	domestic		well	
446348005	22-06-76	20.11	5.47	770	7.3	55	domestic		152	
446348006	23-06-76			1055	7.5		domestic			
446348007	23-06-76	8.70	6.50	615	7.6		domestic		well	
446348008	23-06-76	9.80	4.60	575	7.4		stock		well	
446348009	23-06-76	48.76	23.00	1050	7.2	55			152	36.57
446348010	23-06-76								152	
446348601	19-08-60	53.34	9.14	528		131	drainage	12.80	152	31.70
446348602	9-04-58	9.75	6.70	571					well	
446348603	17-04-40	11.43	5.33	970						
446348604	23-06-76			1220	8.0		domestic			
446348605	23-06-76		8.25	730	8.7				152	
446348606	24-06-76	30.48		885	7.7	2200	domestic		152	27.43
446348607	24-06-76	60.96		625	7.5	327	domestic		152	
446348608	28-06-76			595	7.3		lawns			
446348609	29-06-76	19.81		780	7.3	55			152	18.28
446349101	30-06-76	10.97	4.57	570	6.9				well	
446349102	24-06-76	115.82		333	7.7	82			152	
446349103	16-09-58	15.24	7.62	471						
446349104	29-06-76	24.38		247	7.9	87	garden		152	
446349105	5-03-51	12.19	4.57	500		11				
446349106	30-06-76	6.60	0.20	480	7.4		stock		well	
446349107	24-06-76	39.01		353	7.6	55	domestic		152	38.10

State No.	Date	Depth m	S.W.L. m	Salinity mg/l	pH	Supply m ³ /day	Use	Water Cut m	Casing	
									Dia. mm	Depth m
446349108	29-06-76			306	7.7		domestic		well	
446349109	29-06-76	62.00	flowing	580	7.7		stock		203	
447349110	Jan '76			375					well	
446349111	1-07-76	27.43	3.77	730	7.6		domestic		152	24.38
446349112	1-07-76	52.42		330	7.7	65			152	1.52

Hd. Kuitpo

Southern Portion

State No.	Date	Depth m	S.W.L. m	Salinity mg/l	pH	Supply m ³ /day	Use	Water Cut m	Casing	
									Dia. mm	Depth m
446002101	25-08-77	24.38	2.20	1500	6.8	87	general		well	
446002102										
446002301	25-08-77	131.06	flowing	1590	7.1	327	unequipped		152	121.92
446002401	14-07-77	82.30	flowing	2880	7.0	109	unequipped		152	24.38
446002501	14-07-77	85.34	flowing	1715	6.9	764	irrigation		152	6.10
446002601	13-07-77	30.48	flowing	1325	6.7	327			152	
446002601	13-07-77						not in use			
446002701	13-07-77	84.34		1860	6.9			48.76	203	4.57
446003101	18-03-60	27.43		157			not in use			
446003102	8-08-77						not in use		152	
446003103	8-08-77						not in use			
446003104	8-08-77						not in use		152	
446003401	4-08-77	8.55	0.23	364	7.1		general		well	
446003402	18-03-60	36.57		2830		49				
446003403	4-08-77	6.02	0.13	950	6.6		not in use		well	
446003404	10-08-77	6.20	1.05	3170	6.8		stock		well	
446PT3501	4-08-77	5.40	0.40	322	7.1		stock		well	
446003601	9-08-77	121.92				44	not in use		152	
446003901	9-08-77	25.33	18.65	197	6.7		unequipped		152	
446004001	12-01-77	10.36	5.18	300		2			well	
446004002	3-08-77	86.86		2390	6.9	382		28.95		39.62
446004101	2-08-77	3.90	1.35	1255	7.3				well	
446004102	2-08-77	3.65	0.90	1355	7.3		general		well	
446004201	4-08-77	5.65	0.00	980	6.6				well	
446004501	13-07-77	134.11		1440	6.9	218	irrigation	44.19	152	21.33
446005201	4-08-77	60.96		304	6.7	11	general		152	18.28
446005501	29-01-75	81.69	41.72	1650	6.8	164		72.84	152	29.66
446005502	29-01-75			2140	7.1		irrigation		152	
446005901	14-07-77	70.10		1340	7.4	1091	irrigation	28.95	152	60.24
446005902	14-07-77	42.67		2450	6.9	764	irrigation	15.24	152	30.48
446006001	28-06-77	31.08		1390	6.9	49	general	15.85	152	29.87
446006501	13-07-77			2450	6.4				152	
446007101	21-06-77	24.38	flowing	1990	7.0		unequipped		152	18.28
446007201	8-05-52	31.39	6.24	1744		262		27.43	127	15.24
446007301	15-06-77	4.15	0.67	1670	7.7		general		well	
446007302	15-06-77	3.30	0.00	1440	7.5		not in use		well	
446007303	15-06-77	6.90	0.00	890	7.4		not in use		well	
446007401	16-06-77	60.96	flowing	2115	7.2	546	general		152	12.19
446007601	16-05-77	122.00		1490	7.9		abandoned	36.00	nil	

State No.	Date	Depth m	S.W.L. m	Salinity mg/l	pH	Supply m ³ /day	Use	Water Cut m	Casing	
									Dia. mm	Depth m
446007602	19-05-77	90.50		2170	7.7	295	irrigation	75.00	152	23.50
446007701	20-12-61	75.59	8.53	2665		196		67.05	152	45.72
446008401	17-06-77	152.40	4.33	186	7.6	65	general		152	
446009901	20-07-77	82.90	flowing	1940	6.7	109	general	6.09	152	30.48
446009903	12-06-74	9.75	0.00	530	6.0		not in use		well	
446009904	8-02-66	41.75	0.30	1635						
446010201	2-02-60	39.62	33.52	7811					nil	
446010202	13-07-77			1610	8.0	436			152	
446011101	28-07-77	4.88	0.00	137	6.9				well	
446020801	27-07-77	76.20		760	6.8	546	general	24.38	152	27.33
446020801	27-07-77		5.63	312	7.0		unequipped		152	
446021101	27-01-77	136.24		1060	7.4		irrigation	7.62	152	
446021501	26-10-76	53.40		1010	8.0	545	irrigation	52.50	125	30.60
446022001	25-07-52	12.19	9.14	100					well	
446022002	29-01-75	79.30	2.00	445	6.0	436	general	73.15	152	76.30
446022003	29-01-75	73.80	2.00				abandoned		152	73.80
446022201	9-07-57	52.42		2230					152	30.48
446022202	12-12-61	82.29	0.00	1155		1309				
446022203	3-08-77	4.95	0.00	216	7.0		general		well	
446022401	21-05-52		7.62	273		87			well	
446022402	1-06-53	100.58	flowing	528		109		79.24	152	89.61
446023701	24-06-77			1590	7.0					
446023801	24-06-77									
446023901	28-06-77			1575	7.5				152	
446023902	28-06-77	73.15		2620	6.4	306			152	
446024001	28-06-77	32.00		2580	7.0	153		7.62	152	30.68
446024101	31-05-76	97.53	45.72	2970	6.7	982	irrigation		152	97.53
446024301	28-06-77	46.93		1740	7.2	436		39.62	152	26.92
446024901	26-07-77	8.60	5.95	390	7.6	22	not in use		well	
446024902	26-07-77	60.96		535	6.9	546	irrigation		152	
446024903	27-07-77	8.85	0.75	333	7.7		general		well	
446025301	25-08-77	3.00	0.24	1515	6.4		not in use		well	
446025601	29-06-77	67.06		1630	8.3		general		152	
446025901	22-06-77	91.44	36.02	570	7.7	131	stock		152	
446025902	11-07-77	59.43	9.27	4500	6.7	273	irrigation		152	34.74
446026001	4-07-77	54.86		1985	6.7	185	general			
446027001	29-06-77			1730			abandoned			
446027002	29-06-77			1673			abandoned			
446027003	29-06-77			1385	7.2		general		152	
446028701	25-08-77	123.80	6.94	455	9.2	273	unequipped	101.00	152	103.70

State No.	Date	Depth m	S.W.L. m	Salinity mg/l	pH	Supply m ³ /day	Use	Water Cut m	Casing	
									Dia. mm	Depth m
446029101	11-07-77	110.84					exploration			
446029102	22-05-63	113.99					exploration			
446029103	6-07-77		flowing	150	8.0	109	general		mine	
446029201	12-03-63	119.48					exploration			
446029501	12-03-37	86.56	10.36	1587						
446029502	3-02-39	86.86	67.05	2059						
446029503	5-12-38	7.01		2800						
446029505	12-07-77	5.00	0.00	2970	6.7		not in use		well	
446033601	1-11-60			86					well	
446051901	30-06-76	31.70	5.60	530	7.7	65	domestic		spring	
446051902	30-06-77	31.09	4.05	252	7.7	65	domestic		152	31.69
446051903	30-06-76	28.96	3.53	825	7.5	65	domestic		152	31.08
446051904	28-01-77	44.80		3660	7.7	164	unequipped	38.00	152	28.95
446051905	8-08-77	6.60	0.20	270	7.0		not in use		152	42.60
446052201	11-08-32	41.45		1331				39.62	well	
446052901	9-08-77	4.65	0.00	181	6.1		stock		well	
446053001	4-08-77	94.48		403	7.2	109	stock		152	
446053002	4-08-77	155.44	1.60	485	7.9	196	unequipped		152	79.24
446054401	25-02-57	45.72		1042		76		36.57	203	9.44
446054402	8-08-77	106.68		625	7.3	764	irrigation		152	
446054403	8-08-77	67.06	flowing	312	7.4	327	irrigation		152	
446054404	5-07-74	21.34							152	
446054501	29-08-60			843		218				
446054701	27-07-77	6.80	4.80	223	7.6				well	
446055201	24-01-52	18.28	7.62	3756					well	
446055301	23-06-77	67.05		179	6.8	218	general	15.24	152	22.86
446055501	24-06-77	97.54	35.18	2450	7.2	1091	irrigation	83.51	152	48.76
446056901	24-06-77	97.54		2175	6.7	436	irrigation		152	
446057701	12-07-77	76.20		1505	7.0	218	general		152	
446057901	27-03-63	76.20		dry			abandoned		152	
446057902	16-06-77	90.40	54.10			11	not in use		152	
446057903	3-02-64	68.88	19.50	1142		109		24.38	152	31.59
446057904	27-03-63	48.15		1501		131				
446057905	16-06-77	4.12	0.00	4430	7.0		stock		well	
446058001	16-06-77	57.17	49.80	620	7.0	1462	not in use	28.95	152	20.42
446058002	16-06-77	73.13	46.85	1240	7.1	109	unequipped	58.82	152	
446058003	16-06-77	39.25	0.84	1365	7.4		not in use		102	
446058101	3-04-62	77.72	22.86	471		1091	irrigation	28.95	152	4.92
446058301	8-10-64	53.64					exploration			

State No.	Date	Depth m	S.W.L. m	Salinity mg/l	pH	Supply m ³ /day	Use	Water Cut m	Casing	
									Dia. mm	Depth m
446058302	5-12-64	51.81					exploration			
446058303	21-06-77	88.39	0.00	327	7.5	404	stock	30.48	152	30.27
446058501	16-06-77	76.20		1180	7.3		general		203	
446058601	23-06-77	70.10		179	7.0	109	general		152	
446058701	20-06-77	88.39	4.40	186	7.8		exploration		102	
446058702	22-01-64	97.53					exploration			
446058703	20-06-77		flowing	184	7.8		general			
446058801	21-06-77	91.44		142	7.4		general		152	
446062901	5-07-77	55.47	9.37	4500	6.6	153		13.71	152	53.64
446063001	22-06-77			2300	7.7				152	
446063101	23-06-77	94.48		2235	7.3	153	general		152	92.96
446063501	23-06-77	54.86	16.65				not in use		152	
446065301	5-08-77		4.78	720	6.6				152	
446066601	5-07-77		20.78	2360	4.8		unequipped			
446066703	29-01-75	152.50				327	not in use		203	
446067001	6-07-77		flowing	114	7.5	76	springs			
446067002	6-07-77	122.00		135	6.2	55	domestic		152	45.80
446067201	29-01-75	33.60	6.10			109	not in use		152	
446067202	29-06-77	125.40		755	6.7	1528	irrigation		152	125.40
446067203	29-06-77	109.80		231	6.2	764	irrigation		203	17.10
446067204	29-06-77	146.30	8.00	420	8.9	1309	unequipped		152	91.44
446067205	29-06-77	91.44		399	6.5	1964	irrigation		152	60.96
446067701	4-04-68	91.44	0.00	345	6.0	655	irrigation	42.67	152	73.15
446068401	27-06-74	80.47		1200	7.5	491	irrigation		152	
446069101	29-01-75	66.20	12.20			760	irrigation		152	12.20
446071401	5-07-77	83.82	flowing	291	7.3		not in use	81.68	203	
446072201	5-07-77			192	6.7	164	irrigation		152	24.40
446076401	3-08-77	2.73	0.30	192	7.2		general		well	
446076402	6-12-76	137.00	4.50	660	7.8	875		90.00	152	38.70
446078801	12-07-77	21.56	17.40	675	7.0		unequipped		152	
446079101	12-07-77		flowing	980	7.0		not in use		152	
446079102	12-07-77	2.60	0.00	1130	6.9		general		well	
446079201	12-07-77		4.60	231	7.1		general		152	
446079301	-31	45.72				76		32.30		
446079302	12-07-77			1355	6.9		irrigation		152	
446082901	29-01-75	27.50	5.80	850	7.2	11			152	
446083601	13-07-77			4270	7.2	436			152	
446086601	24-01-52	4.52	1.21	2313					well	
446086602	24-11-52	6.09	1.21	1142					well	
446086603	24-01-52	9.14	4.57	871					well	

State No.	Date	Depth m	S.W.L. m	Salinity mg/l	pH	Supply m ³ /day	Use	Water Cut m	Casing	
									Dia. mm	Depth m
446186801	4-04-60			2528					spring	
446339901	5-07-77	122.00	2.70	1295	7.6		unequipped		203	122.00
446340001	10-03-53	13.71					foundation		102	
446340002	18-03-53						foundation		102	
446340003	25-03-53	13.71					foundation		102	
446340004	30-03-53	13.71					foundation		102	
446340005	5-07-77	84.00	0.80	1280	7.6		unequipped		152	
446340006	29-06-77			1560	7.0	546	irrigation		152	24.40
446340502	5-07-74	18.28	1.00	725	6.3	262	not in use		well	
446340601	4-04-60			2128					creek	
446340602	4-04-60			1499					creek	
446340603	4-04-60			1771					creek	
446340801	5-07-74	64.01	0.00	2565	7.1	982	irrigation		152	32.00
446340901	17-05-73	5.20	2.40	1020		22			well	
446340902	27-07-77	10.42	0.65	860	7.3	55	general		well	
446341001	28-07-77	60.96					not in use		127	
446341002	28-07-77	76.20	0.00	1655	6.8	218	irrigation		203	
446341003	28-07-77	54.86	flowing	2530	6.7	196	irrigation		152	
446341201	28-07-77	76.20	flowing	1775	6.5		unequipped		152	54.86
446341202	25-08-77	101.68	0.87	2405	6.8	382	irrigation		152	0.91
446341701	24-07-53	51.90	12.19	885		30	general	39.01	127	51.90
446343301	5-07-74	38.10					stock		152	
446343302	2-08-77	53.34	0.00	720	7.4		unequipped		152	53.34
446343303	25-08-77	55.10	0.00	545	7.0	33	stock		well	
446343501	21-05-52	12.19	9.14	4084		33				
446344001	4-08-77	59.74	flowing	775	7.5	1982	irrigation		152	
446344101	4-08-77	4.18	0.70	301			stock		well	
446344201	5-08-77	93.87					not in use		152	
446344401	3-08-77	90.83		480	7.1				152	15.24
446344402	3-08-77						not in use		152	6.09
446345401	27-07-77	7.50	3.75	218	7.2		general		well	
446345601	25-08-77	91.44	31.34	2900	6.4	218	general	7.62	152	29.26
446346801	10-08-77	18.68		1680	6.7	33	general		127	15.24
446346802	27-07-77	7.55	2.80	207	7.4		general		well	
446346803										
446346804	10-08-77	94.48		935	7.1	349	irrigation	54.86	152	91.44
446346805	28-07-77	98.76		1850	7.1	65	general		152	
446346901	28-07-77	7.90	3.17	2420	6.8		general		well	
446346902	27-07-77			1835	7.3		irrigation		152	
446346903	27-07-77						not in use		152	

State No.	Date	Depth m	S.W.L. m	Salinity mg/l	pH	Supply m ³ /day	Use	Water Cut m	Casing	
									Dia. mm	Depth m
446346904	28-07-77	4.10	1.00	1710	7.4		not in use		well	
446350201	11-07-77		flowing	1730	6.8		unequipped		152	
446351001	18-12-64			370					spring	
446351002	21-04-60			2028						
446351003	26-07-77	92.04	0.00	1990	7.0	327	general	84.73	152	36.88
446360301	23-06-77	33.00	flowing	1805	7.1	131	general	28.00	152	16.70
446360302	22-06-77	2.50	0.55	2335	7.2		general		well	
446360303	29-06-77	4.75	0.02	1860	7.5		not in use		well	
446360601	27-07-77			1960	7.3		general		152	14.63
446360701	1-12-59	69.18	9.44	2061		196	irrigation	13.71	152	40.68

APPENDIX II

HYDROGEOLOGICAL REPORTS

Hd. KUITPO
Hydrogeological Reports

SECTION	REPORT BOOK	AUTHOR
1	53/114	C. Bleys
2	53/114	C. Bleys
Pt. Sec. 5	47/35	R.K. Johns
14	116/115	R.W. Segnit
10	116/115	R.W. Segnit
20	116/115	R.W. Segnit
21	62/99	C. Bleys
23	62/99	C. Bleys
25	58/153	C. Bleys
27	64/18	E.R. Hillwood
34	56/21	E.P. D. O'Driscoll
45	62/27	E.R. Hillwood
52	66/17	E.R. Hillwood
55	35/115	J.B.A. McKellar
59	49/143	C. Bleys
60	12/237	R.W. Segnit
62	61/1	C. Bleys
63	61/1	C. Bleys
64	61/1	C. Bleys
65	63/56	R.G. Shepherd
66	61/1	C. Bleys
67	61/1	C. Bleys
Pt. 67	51/98	C. Bleys
68	62/99	C. Bleys
70	61/1	C. Bleys
71	56/59	R.G. Shepherd
Pt. 73	54/34	C. Bleys
76	56/59	R.G. Shepherd
77	49/131	C. Bleys
78	49/131	C. Bleys
82	58/127	C. Bleys
83	58/127	C. Bleys
84	12/207	J.R. Lockhart
93	67/4	C. Bleys
95	13/179	R.W. Segnit
Pt. 98	16/207	R.W. Segnit
99	61/1	C. Bleys
101	49/130	C. Bleys
102	50/135	C. Bleys
120	13/127	R.W. Segnit
123	53/114	C. Bleys
137	16/165	R.W. Segnit
145	20/63	R.W. Segnit
147	15/271	R.W. Segnit
148	15/271	R.W. Segnit
149	15/271	R.W. Segnit
150	15/271	R.W. Segnit
151	15/271	R.W. Segnit
152	15/271	R.W. Segnit
153	15/271	R.W. Segnit
154	15/271	R.W. Segnit
154	35/81	J.B.A. McKellar
155	15/271	R.W. Segnit
156	15/271	R.W. Segnit
157	15/271	R.W. Segnit
158	15/271	R.W. Segnit

159	15/271	R.W. Segnit
160	15/271	R.W. Segnit
161	15/271	R.W. Segnit
162	15/271	R.W. Segnit
163	15/271	R.W. Segnit
164	14/111	R.W. Segnit
168	15/89	R.W. Segnit
177	46/97	R.K. Johns
178	46/97	R.K. Johns
177	20/63	R.W. Segnit
178	20/63	R.W. Segnit
195	46/85	E.P.D. O'Driscoll
196	22/17	K.R. Miles
199	48/111	C. Bleys
Pt. 201	15/13	R.W. Segnit
208	15/89	R.W. Segnit
220	34/45	M. Solomon
225	73/113	S.R. Barnett
225	48/97	C. Bleys
240	48/115	R.G. Shepherd
Pt. 241	49/91	E.D.P. O'Driscoll
242	49/143	C. Bleys
Pt. 249	51/5	E.P.D. O'Driscoll
255	13/149	R.W. Segnit
255	12/207	J.R. Lockhart
257	12/207	J.R. Lockhart
Pt. 259	58/127	C. Bleys
263	56/59	R.G. Shepherd
295	54/16	P.G. Miller
295	16/159	R.W. Segnit
300	49/130	C. Bleys
306	47/93	C. Bleys
311	72/28	P.C. Smith
314	23/195	R.W. Segnit
317	34/45	M. Solomon
329	43/29	W. Johnson
333	44/23	W. Johnson
333	46/15	C. Bleys
336	61/1	C. Bleys
337	1/196/199	H.Y.L. Brown
338	1/196/199	H.Y.L. Brown
339	1/196/199	H.Y.L. Brown
339	12/203	J.R. Lockhart
339	12/281	R.W. Segnit
344	10/139	R.L. Jack
345	12/225	R.W. Segnit
346	72/196	P.C. Smith
347	63/97	E.R. Hillwood
355	57/51	C. Bleys
363	48/63	C. Bleys
370	49/17	E.P.D. O'Driscoll
372	62/36	E.R. Hillwood
374	56/2	E.P.D. O'Driscoll
376	60/77	C. Bleys
Pt. 385	72/150	P.C. Smith
391	17/65	R.W. Segnit
394	71/167	M.B. Cobb
395	42/18	R.G. Shepherd
396	54/130	C. Bleys
396 B	54/130	C. Bleys
397	64/107	E.R. Hillwood

415	55/22	E.P.D. O'Driscoll
416	55/22	E.P.D. O'Driscoll
420	51/59	C. Bleys
422	63/139	E.R. Hillwood
430	53/170	C. Bleys
433	56/97	C. Bleys
437	43/42	W. Johnson
438	56/97	C. Bleys
441	20/207	R.W. Segnit
446	69/105	G.T. Roberts
458	47/35	R.K. Johns
459 E	47/35	R.K. Johns
468	58/46	T.M. Steel
478	54/130	C. Bleys
484	60/65	R.G. Shepherd
489	50/85	C. Bleys
491	56/99	C. Bleys
497	56/99	C. Bleys
498	60/127	E.R. Hillwood
499	60/127	E.R. Hillwood
504	60/127	E.R. Hillwood
506	51/59	C. Bleys
508	51/59	C. Bleys
509	51/59	C. Bleys
519	50/97	E.P.D. O'Driscoll
523	13/33	R.W. Segnit
525	116/115	R.W. Segnit
529	73/35	A.P. Williams
530	73/35	A.P. Williams
536	47/93	C. Bleys
542	52/105	C. Bleys
543	48/33	C. Bleys
544	44/27	W. Johnson
545	44/27	W. Johnson
546	44/27	W. Johnson
544	66/42	T.J. Mount
545	66/42	T.J. Mount
546	66/42	T.J. Mount
552	13/67	R.W. Segnit
553	49/24	C. Bleys
567	51/59	C. Bleys
569	59/13	C. Bleys
579	56/120	R.G. Shepherd
580	56/122	R.G. Shepherd
581	54/34	C. Bleys
586	63/45	E.R. Hillwood
612	56/58	R.G. Shepherd
613	56/58	R.G. Shepherd
614	56/58	R.G. Shepherd
615	56/58	R.G. Shepherd
616	56/58	R.G. Shepherd
617	56/58	R.G. Shepherd
618	56/58	R.G. Shepherd
620	60/77	C. Bleys
623	60/77	C. Bleys
627	49/92	E.R.D. O'Driscoll
628	49/92	E.R.D. O'Driscoll
629	49/92	E.R.D. O'Driscoll
633	49/92	E.R.D. O'Driscoll
642	71/46	M.A. Cobb
643	59/57	C. Bleys

658	53/117	C. Bleys
659	53/117	C. Bleys
660	53/117	C. Bleys
670	49/44	G.J. Crawford
676	67/31	R.G. Shepherd
680	70/184	J.D. Waterhouse
691	39/69	E.R.D. O'Driscoll
730	50/16	R.G. Shepherd
731	50/16	R.G. Shepherd
732	50/16	R.G. Shepherd
735	67/46	P.G. Thomas
742	44/44	E.P.D. O'Driscoll
744	71/119	M.A. Cobb
745	71/119	M.A. Cobb
747	71/119	M.A. Cobb
748	71/119	M.A. Cobb
744	71/116	M.A. Cobb
745	71/116	M.A. Cobb
747	71/116	M.A. Cobb
748	71/116	M.A. Cobb
753	44/44	E.P.D. O'Driscoll
753	20/58	R.W. Segnit
758	49/41	G.J. Crawford
766	48/109	C. Bleys
772	50/192	C. Bleys
789	48/43	T.M. Steel
793	12/201	J.R. Lockhart
794	50/2	C. Bleys
795	73/45	F. Carosone
796	45/120	E.P.D. O'Driscoll
815	60/32	R.G. Shepherd
816	41/121	E.P.D. O'Driscoll
836	49/130	C. Bleys
837	64/82	E.R. Hillwood
pt. 959	73/107	D.C. Smith
955	66/39	A.A. Gibson
956	50/2	C. Bleys
1639	15/89	R.W. Segnit
1643	19/21	R.W. Segnit
1644	46/98	E.P.D. O'Driscoll
1648	74/65	J.D. Waterhouse
1867	49/68	C. Bleys
3319	50/118	E.P.D. O'Driscoll
3320	63/90	C. Bleys
3321	48/109	C. Bleys
3323	48/23	C. Bleys
3327	53/63	C. Bleys
3328	53/63	C. Bleys
3404	51/98	C. Bleys
3405	51/98	C. Bleys
3906	51/98	C. Bleys
3406	50/131	C. Bleys
3407	50/131	C. Bleys
3407	51/98	C. Bleys
3409	73/128	A.F. Williams
3417	34/45	M. Solomon
3440	66/17	E.R. Hillwood
3443	66/17	E.R. Hillwood
3456	51/5	C. Bleys
3467	46/75	W. Johnson
3468	46/75	W. Johnson
3969	46/75	W. Johnson
3468	65/89	E.R. Hillwood

3469	65/89	E.R. Hillwood
3470	59/148	C. Bleys
3476	46/75	W. Johnson
3974	50/117	E.P.D. O'Driscoll
3475	50/117	E.P.D. O'Driscoll
3478	51/125	C. Bleys
3479	51/125	C. Bleys
3480	51/125	C. Bleys
3486	51/101	C. Bleys
3486	47/79	R.K. Johns
3489	42/84	W. Johnson
3491	30/85	G.W. Cochrane
3501	67/4	C. Bleys
3502	67/4	C. Bleys
3510	49/68	C. Bleys
3604	56/59	R.G. Shepherd
3607	45/81	R.G. Shepherd
3812	72/17	M.A. Cobb
3820	62/91	E.R. Hillwood
3821	59/114	R.G. Shepherd
3822 A	20/143	R.W. Sprigg
3828	15/277	R.W. Segnit
3828	67/90	P.R. Bowden
3828	60/114	E.R. Hillwood
3847	60/6	R.G. Shepherd
3849	60/131	E.R. Hillwood
3852	13/51	R.W. Segnit
3853	48/63	C. Bleys
3854	54/89	E.P.D. O'Driscoll
3855	54/89	E.P.D. O'Driscoll
3857	13/31	R.W. Segnit
3859	61/64	R.G. Shepherd
3863	55/31	E.P.D. O'Driscoll
3864	55/31	E.P.D. O'Driscoll
3874	66/117	A.A. Gibson
3876	43/99	W. Johnson
3879	50/178	C. Bleys
3880	71/50	M.A. Cobb
3882	11/91	J.R. Lockhart
3883	21/281	K.R. Miles
3884	46/85	E.P.D. O'Driscoll
3885	11/91	J.R. Lockhart
3887	55/2	E.P.D. O'Driscoll
3892	55/2	E.P.D. O'Driscoll
3893	55/2	E.P.D. O'Driscoll
3895	46/95	E.P.D. O'Driscoll
3900	20/63	R.W. Segnit
3900	46/97	R.K. Johns
3906	73/47	F. Carosone
3912	73/62	A.F. Williams
3913	63/91	J.A.C. Painter
3916	62/29	E.R. Hillwood
3918	62/91	E.R. Hillwood
4178	16/65	R.W. Segnit
4231	62/29	E.R. Hillwood
4232	62/91	E.R. Hillwood
4233	72/17	M.A. Cobb
4234	26/85	T.A. Barnes
4235	43/42	W. Johnson
4237	42/13	W. Johnson

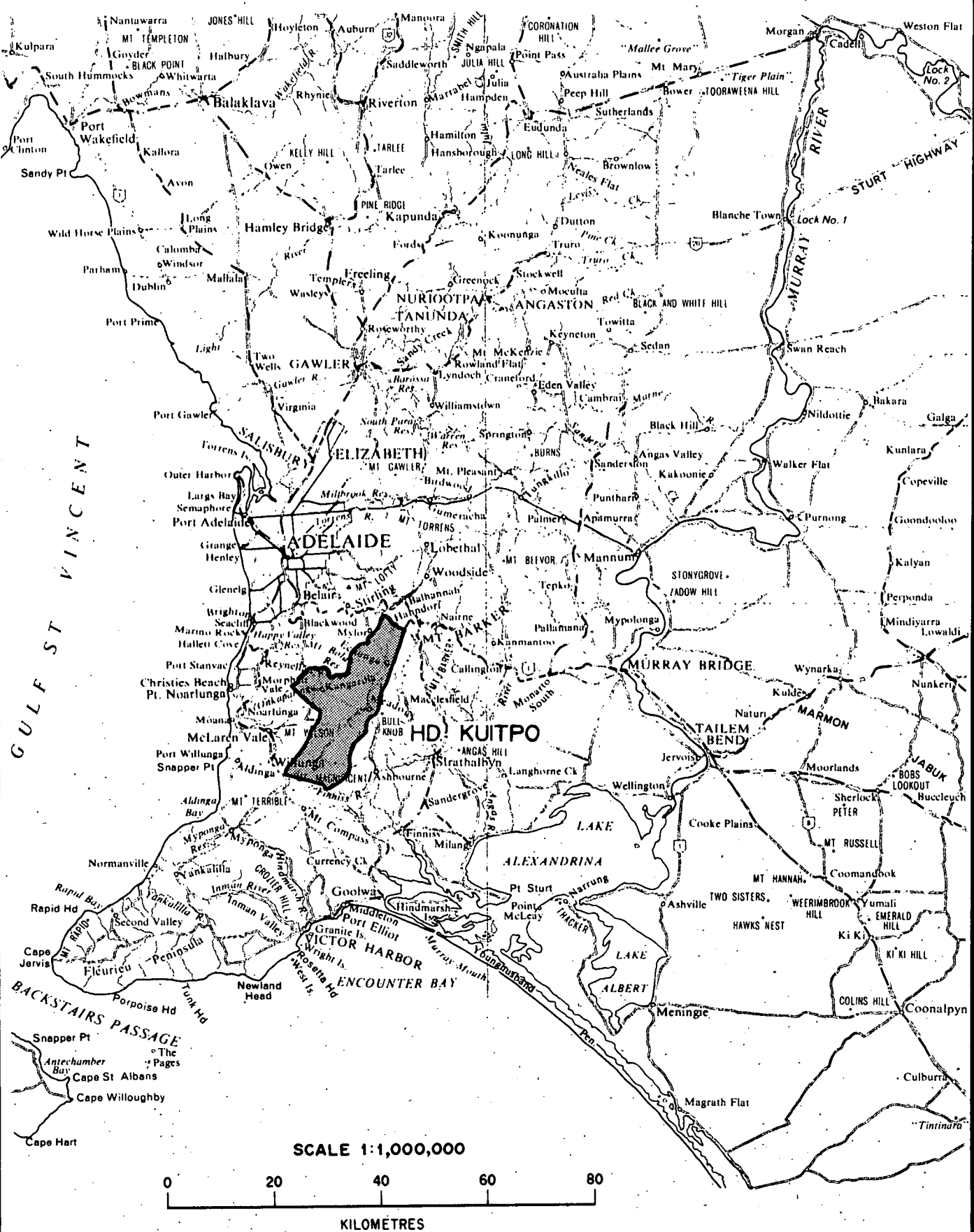
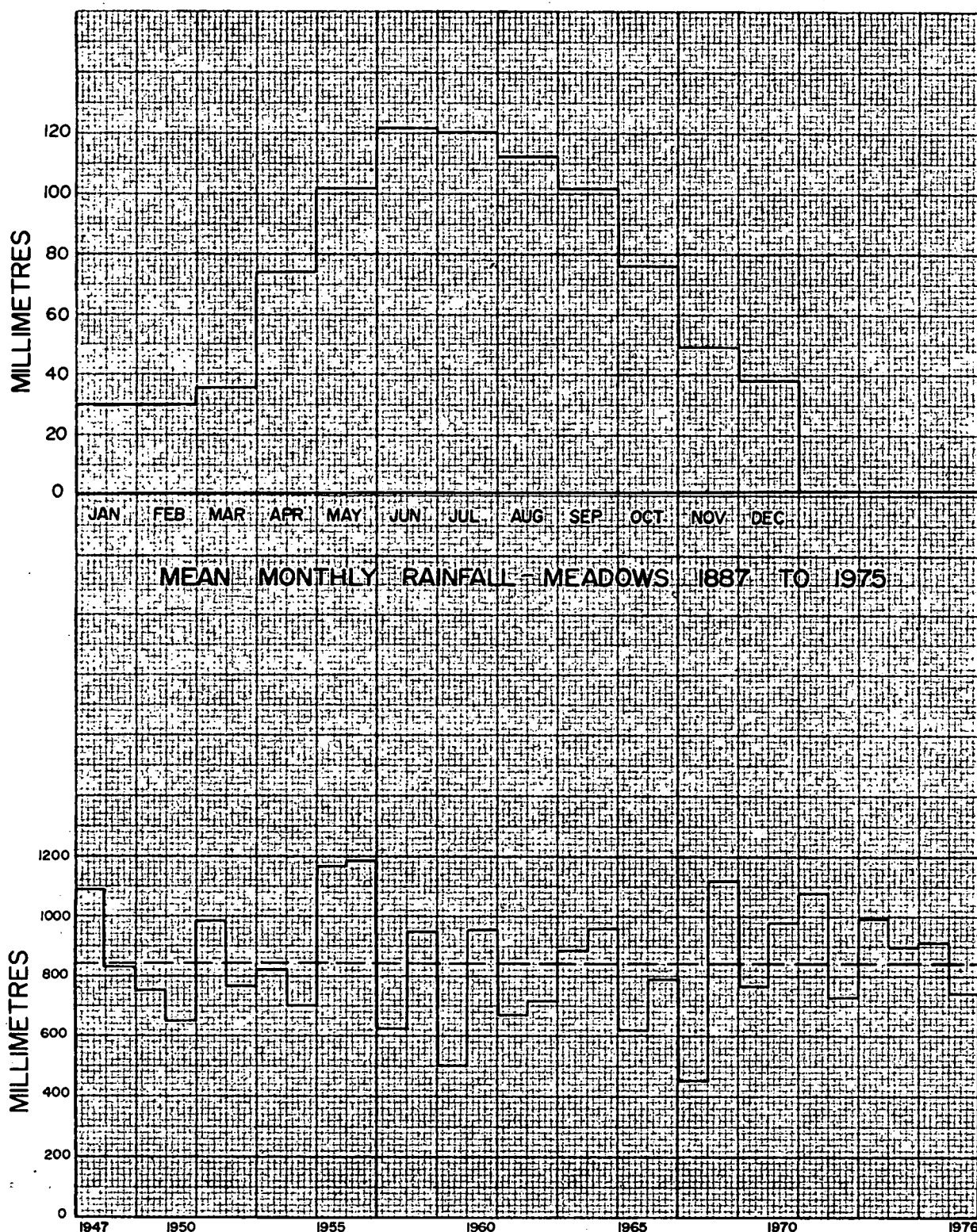


FIG. I

ENGINEERING DIVISION	DEPARTMENT OF MINES - SOUTH AUSTRALIA	SCALE 1 : 1,000,000
COMPILED. N.T.	HD. KUITPO WATER WELL SURVEY	DATE: DEC 1977
DRN. M.R. CKD.	LOCALITY PLAN	PLAN NUMBER
		S 13176



841 mm
AVERAGE
ANNUAL
RAINFALL

ANNUAL RAINFALL - MEADOWS 1947 TO 1976

FIG 2a

ENGINEERING DIVISION

DEPARTMENT OF MINES - SOUTH AUSTRALIA

Scale:

Compiled: N.T.

HD. KUITPO WATER WELL SURVEY

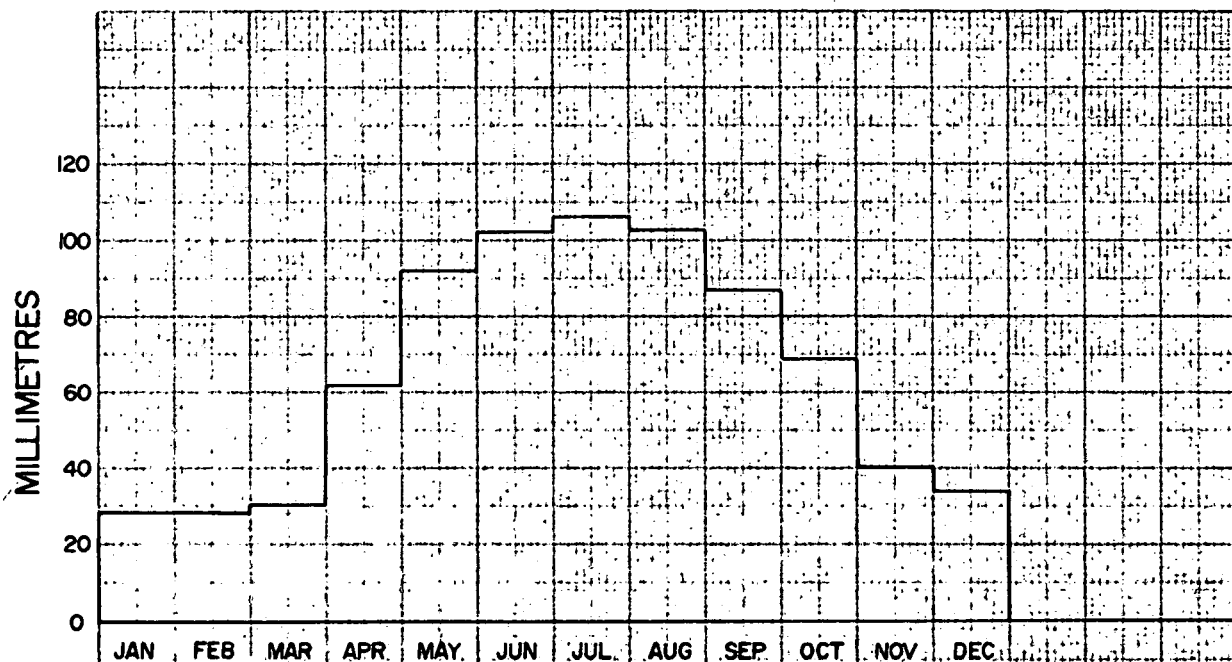
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Drn. M.R. Ckd.

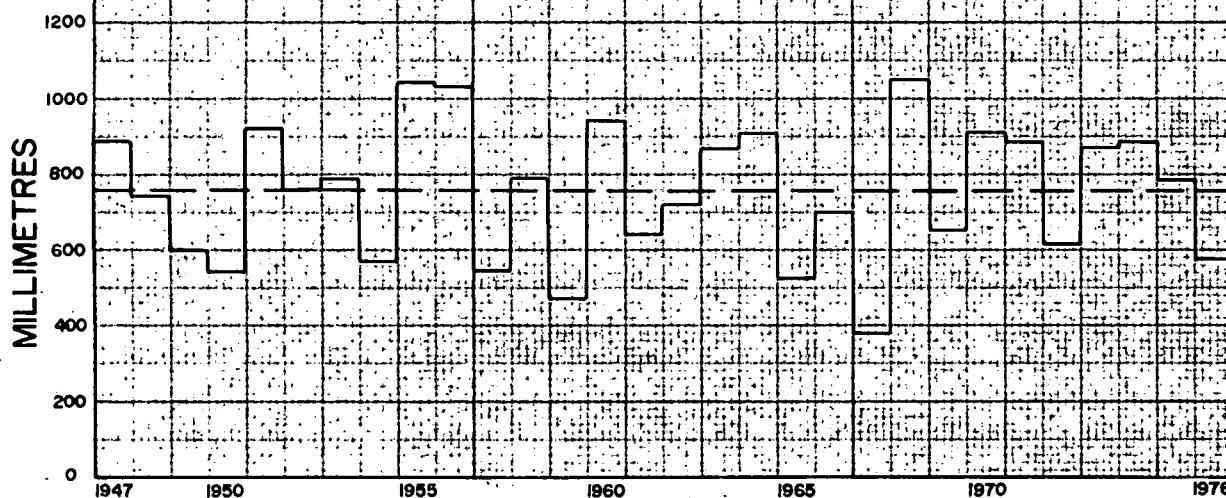
RAINFALL STATISTICS
MEADOWS POST OFFICE

Drg. No.

S 13178



MEAN MONTHLY RAINFALL - MT. BARKER 1861 TO 1975



757 mm
AVERAGE
ANNUAL
RAINFALL

ANNUAL RAINFALL - MT. BARKER 1947 TO 1976

FIG 2b

ENGINEERING DIVISION

DEPARTMENT OF MINES - SOUTH AUSTRALIA

Scale:

Compiled: N.T.

HD. KUITPO WATER WELL SURVEY

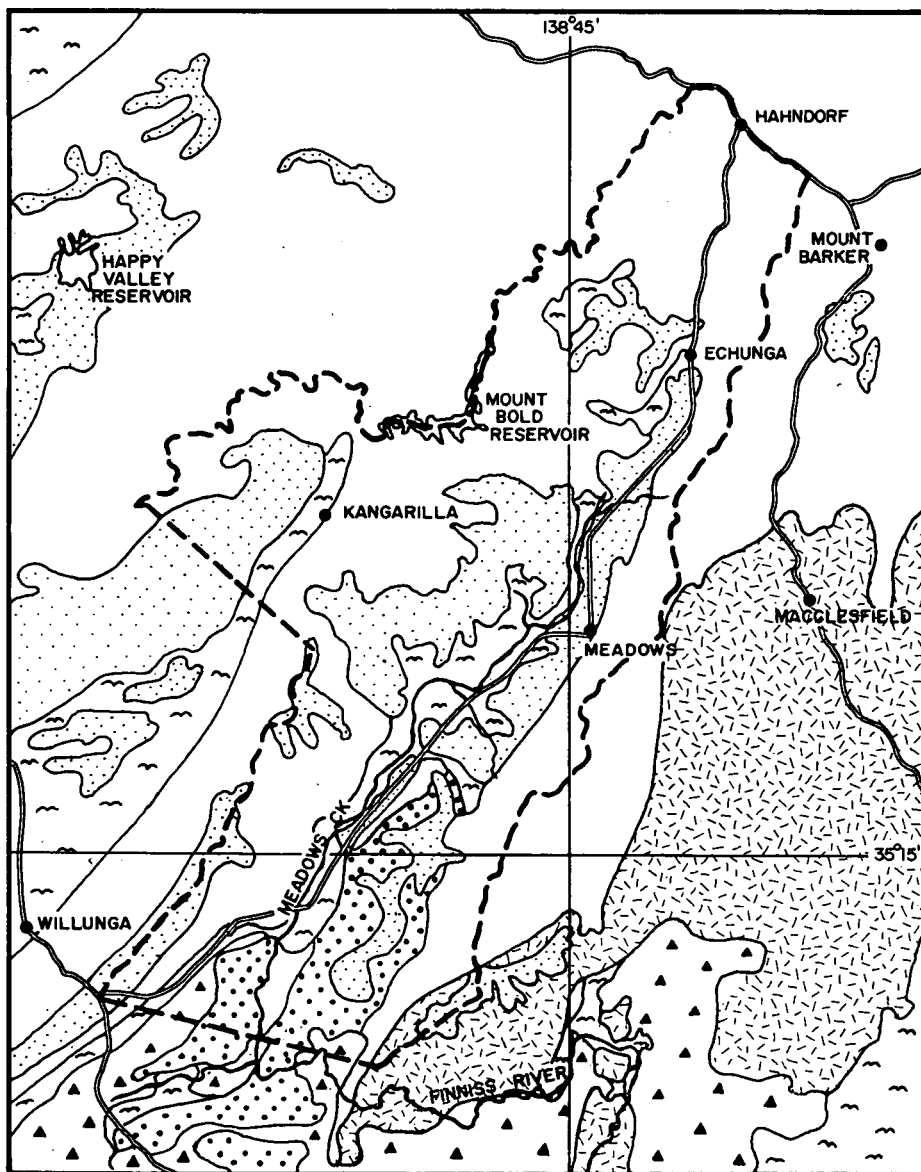
Date: DEC 1977

Drn. M.R. Ckd.

RAINFALL STATISTICS
MT. BARKER POST OFFICE

Drg. No.

S 13177



SCALE



KILOMETRES

- | | | |
|--------------|--|--|
| QUATERNARY | | Undifferentiated outwash, clays and alluvium |
| TERTIARY | | Mottled laterised freshwater sands and gravels |
| PERMIAN | | Glacial fluvioglacial deposits of silts and sands with boulders |
| CAMBRIAN | | Undifferentiated metasediments, mainly arkoses, greywacke and phyllite with minor limestones |
| ADELAIDEAN | | Undifferentiated metasediments, mainly of tillite, shale, quartzite and dolomite |
| CARPENTARIAN | | BAROSSA COMPLEX - Schists and gneisses |
| | | Geological boundary |
| | | Hundred boundary |
| | | Main road |

FIG 3

ENGINEERING DIVISION

DEPARTMENT OF MINES - SOUTH AUSTRALIA

SCALE: 1 : 250,000

COMPILED: N.T.

HD. KUITPO WATER WELL SURVEY

DATE: DEC 1977

DRN: M.R. CKD.

REGIONAL GEOLOGY

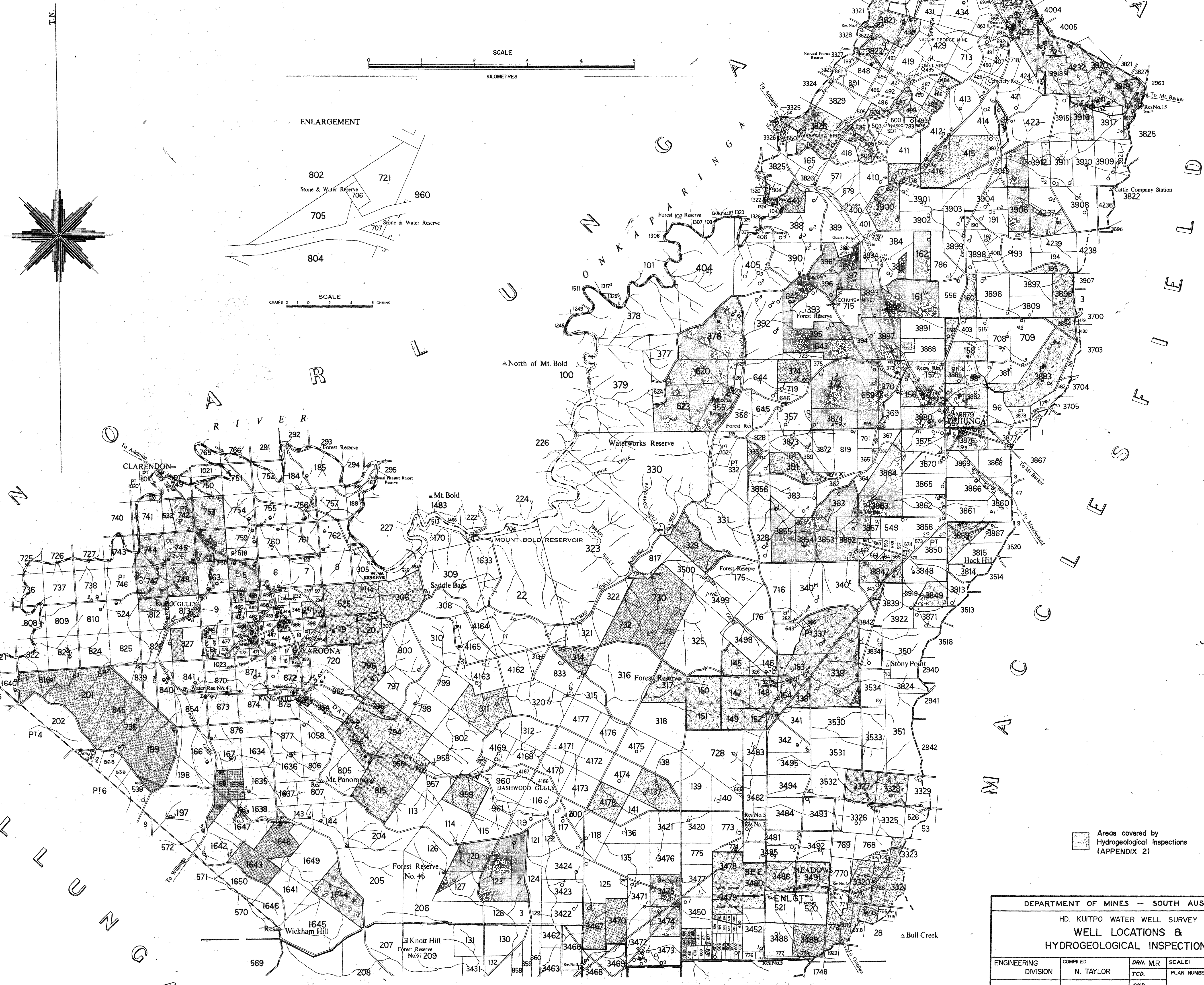
PLAN NUMBER:

S 13188

KUITPO

C^o ADELAIDE

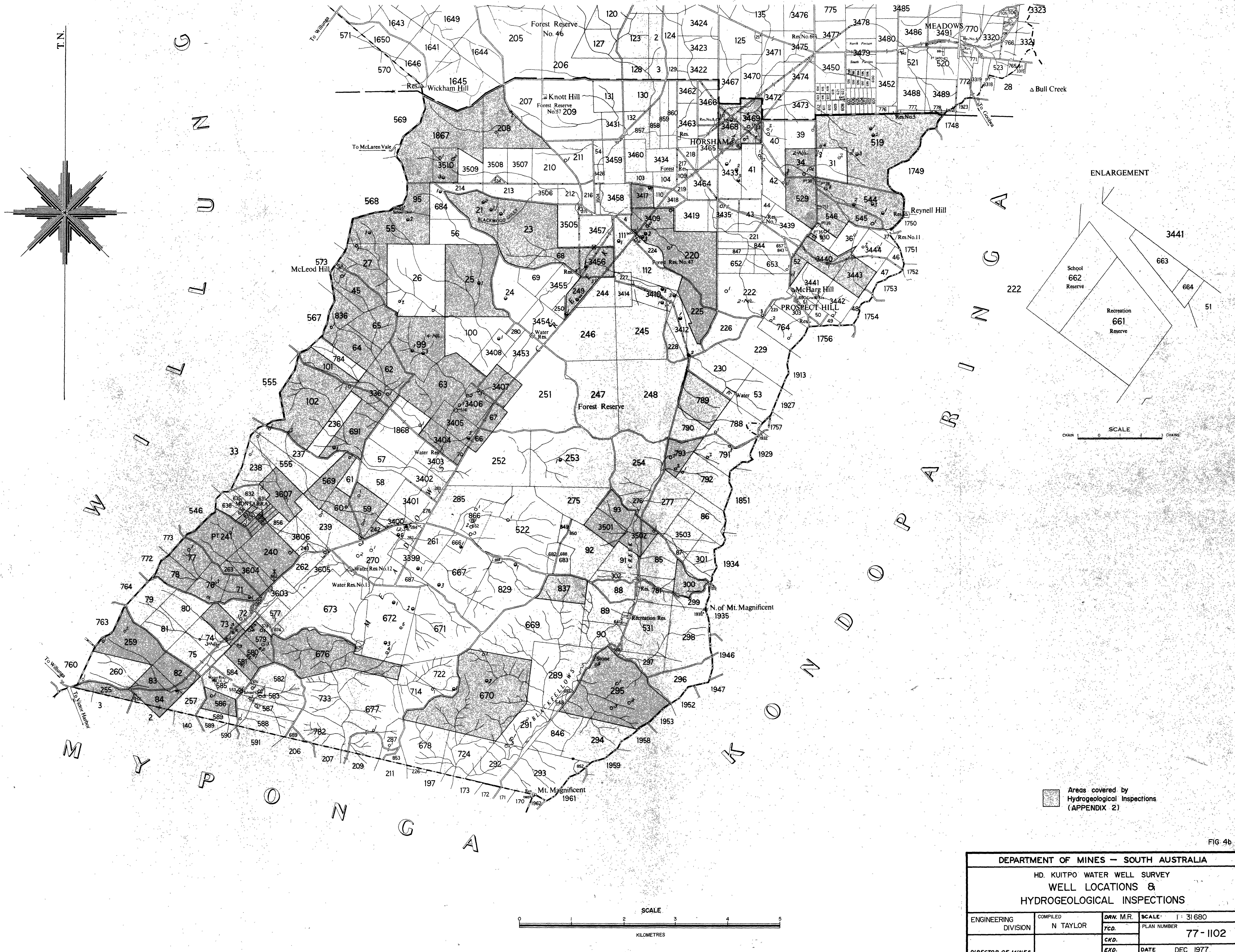
NORTHERN PORTION



KUITPO

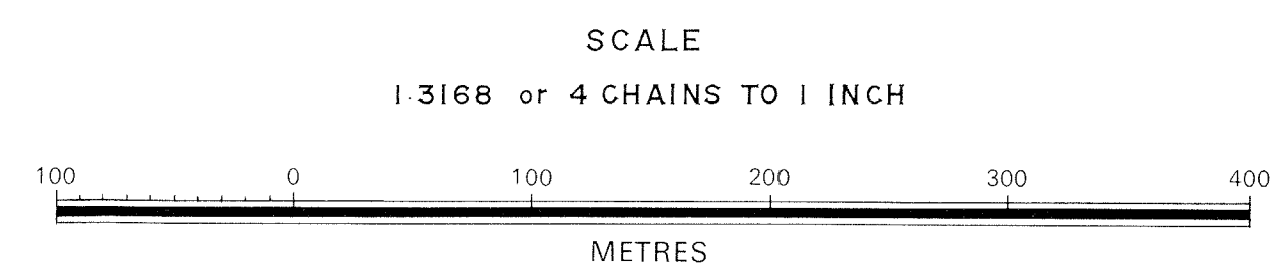
C^O ADELAIDE

SOUTHERN PORTION



DEPARTMENT OF MINES — SOUTH AUSTRALIA			
HD. KUITPO WATER WELL SURVEY			
WELL LOCATIONS & HYDROGEOLOGICAL INSPECTIONS			
ENGINEERING DIVISION	COMPILED N TAYLOR	DRW. M.R. TCD.	SCALE 1: 31680
		CKD.	PLAN NUMBER 77-1102
		EXD.	DATE DEC 1977

FIG 4b



DEPARTMENT OF MINES — SOUTH AUSTRALIA			
TOWNSHIP OF MEADOWS			
HUNDRED OF KUITPO			
BORE LOCATION PLAN			
		Fig. 4 ^c	
Dnn.		SCALE:	
Tcd.		78-137	
Ckd.		DATE:	
Exd.			
Director of Mines			