Ravensworth 3:Sediment Particle Size Analysis, colour,pH														
spit	colour	pH	bag g	sample	sample	<.25	<.5	<1.0	<2.0	>2.0	%<.25	%<.50	%<1.0	%<2.0
				undried g	dried g	g	g	g	g	g				
3a	10yr4/2	7	1907	250	241	126	51	37	24	399	52	21	15	10
3b	10yr4/2	7.5	1862	250	234	136	46	32	17	309	58	20	14	7
4a	10yr3/2	8.5	1577	250	235	151	40	29	13	243	64	17	12	6
4b	10yr3/2	9	1913	250	234	140	45	30	15	284	60	19	13	6
5a	10yr3/2	9	1611	250	234	138	45	29	18	268	59	19	12	8
5b	10yr3/2	9	1917	250	233	153	41	22	14	409	66	18	9	6
6a	10yr3/2	10	1994	250	234	141	45	25	20	433	60	19	11	9
6b	10yr3/2	10	2235	250	234	133	46	38	14	476	57	20	16	6
7a	10yr3/2	10	1691	250	235	130	43	34	25	388	55	18	14	11
7b	10yr3/2	10	1749	250	233	138	45	30	17	370	59	19	13	7
8a	10yr3/1	10	1710	250	232	151	41	23	15	359	65	18	10	6
8b	10yr3/1	10	1647	250	234	144	42	26	16	332	62	18	11	7
9a	10yr3/1	10	1601	250	233	137	41	29	21	334	59	18	12	9
9b	10yr3/1	10	1600	250	236	137	43	31	20	298	58	13	13	8
10a	7.5yr3/1	10	1768	250	240	143	43	31	21	394	60	18	13	9
10b	7.5yr3/1	10	1755	250	231	141	41	30	20	427	61	18	13	9
11a	7.5yr3/1	10	1654	250	233	142	42	29	18	322	61	18	12	8
11b	7.5yr3/1	10	1528	250	241	142	42	30	20	294	59	17	12	8
12a	7.5yr3/1	10	1545	250	231	140	40	29	19	243	61	17	13	8
12b	7.5yr3/1	10	1723	250	238	143	42	29	20	228	60	18	12	8
13a	10yr3/1	10	1260	250	234	143	41	28	18	180	61	18	12	8
13b	7.5yr3/1	10	1690	250	235	142	41	28	20	251	60	17	12	9
14a	7.5yr3/1	10	1738	250	232	141	41	28	19	295	61	18	12	8
14b	7.5yr3/1	10	1770	250	230	140	39	29	18	320	61	17	13	8
15a	5yr3/1	10	1884	250	230	139	41	28	18	351	60	18	12	8
15b	7.5yr3/1	10	1769	250	230	141	41	28	19	221	61	18	12	8
16a	7.5yr3/1	10	1653	250	228	139	39	28	19	224	61	17	12	8

16b	7.5yr3/1	10	1778	250	230	139	40	28	20	304	60	17	12	9
17a	7.5yr3/1	10	1453	250	234	140	43	30	17	208	60	18	13	7
17b	7.5yr3/1	10	1710	250	231	141	38	28	21	286	61	16	12	9
18a	7.5yr3/1	10	1440	250	231	138	41	29	18	226	60	18	13	8
18b	7.5yr3/1	10	1691	250	232	141	41	27	19	255	61	18	12	8
19a	7.5yr3/1	10	1680	250	232	141	40	28	20	258	61	17	12	9
19b	7.5yr3/1	10	1601	250	232	141	40	27	20	267	61	17	12	9
20a	7.5yr3/1	10	1529	250	234	141	40	28	19	234	60	17	12	8
20b	7.5yr3/1	10	1646	250	235	141	40	30	21	273	60	17	13	9
21a	7.5yr3/2	10	1692	250	235	142	40	28	20	228	60	17	12	9
21b	7.5yr3/2	10	1869	250	235	143	39	27	19	257	61	17	11	8
22a	7.5yr3/2	10	1358	250	235	140	44	29	16	238	60	19	12	7
22b	7.5yr3/2	10	1444	250	231	143	40	29	17	302	62	17	13	7
23a	7.5yr3/2	10	2023	250	230	144	38	27	18	387	63	17	12	8
23b	7.5yr3/2	10	2129	250	229	145	38	27	15	355	63	17	12	7
24a	7.5yr3/2	10	1753	250	234	148	38	27	17	261	63	16	12	7
24b	7.5yr3/2	10	1762	250	228	144	38	27	16	262	63	17	12	7
25a	7.5yr3/2	10	1554	250	229	147	39	28	17	241	64	17	12	7
25b	7.5yr3/2	10	1577	250	229	143	38	28	16	285	62	17	12	7
26a	7.5yr3/2	10	1624	250	229	142	38	28	16	237	62	17	12	7
26b	7.5yr3/2	10	1829	250	231	145	39	28	14	287	63	17	12	6
27a	7.5yr3/2	10	1730	250	231	145	39	28	14	269	63	17	12	6
27b	7.5yr3/2	10	1964	250	234	145	40	28	15	335	62	17	12	6
28a	7.5yr3/2	10	1644	250	233	143	40	29	16	282	61	17	12	7
28b	7.5yr3/2	10	1705	250	226	139	39	29	16	315	62	17	13	7
29a	10yr4/1	8.5	1592	250	233	95	48	60	32	564	41	21	26	14
29a >2m	5yr7/2	8.5		250										
29b	10yr4/1	8.5	1424	250	228	84	44	54	44	687	37	19	24	19
29b>2m	5y6/2	8.5		250										
base (fine)	2.5y5/2	8.5	3777	250										

	Table 6.2										
spit	mag sus (unconverted)		capsule g	Mag sus(converted)		mag sus (unconverted)		capsule g	Mag sus(converted)		
	high freq	low freq		high freq	low freq	high freq	low freq		high freq	low freq	
3a	228	239	9.64	236.47	247.90	17a	215	228	7.89	272.26	288.72
3b	237	252	9.76	242.90	258.30	17b	202	215	7.40	272.68	290.23
4a	251	266	9.39	267.45	283.40	18a	186	197	6.85	271.53	287.59
4b	224	239	7.96	281.58	300.40	18b	206	218	7.61	270.38	286.13
5a	274	292	9.37	292.33	311.50	19a	199	212	7.56	263.23	280.42
5b	263	278	8.98	292.87	309.60	19b	206	218	7.79	264.20	279.59
6a	287	304	9.74	294.72	312.20	20a	181	226	6.83	264.85	330.70
6b	252	269	8.40	299.93	320.20	20b	214	191	8.19	261.20	233.13
7a	279	298	9.30	299.97	320.40	21a	179	189	6.92	258.60	273.04
7b	257	274	8.86	290.17	309.40	21b	189	199	7.22	261.59	275.43
8a	267	284	9.05	295.19	314.00	22a	188	199	7.46	252.01	266.76
8b	228	243	7.84	291.00	310.10	22b	190	201	7.48	253.98	268.68
9a	257	272	8.75	293.65	310.80	23a	195	205	7.75	251.45	264.35
9b	233	245	8.28	281.50	296.00	23b	196	207	7.77	251.96	266.10
10a	194	240	8.08	240.19	297.10	24a	188	199	7.48	251.10	265.79
10b	233	246	8.27	281.67	297.40	24b	168	178	6.67	251.69	266.67
11a	242	257	8.68	278.67	295.90	25a	185	197	7.66	241.51	257.18
11b	220	236	8.12	271.10	290.80	25b	161	173	6.11	263.37	283.00
12a	226	238	8.07	280.22	295.10	26a	179	189	7.53	237.56	250.83
12b	220	232	7.95	276.63	291.70	26b	174	183	7.31	237.77	250.07
13a	219	232	7.83	279.66	296.30	27a	194	207	8.26	234.75	250.48
13b	215	227	7.95	270.58	285.70	27b	170	180	7.14	237.86	251.85
14a	203	215	7.65	265.50	281.20	28a	177	188	7.66	231.01	245.37
14b	237	251	8.56	276.74	293.10	28b	172	183	7.88	218.25	232.20
15a	204	217	7.64	267.09	284.10	29a	87	91	8.61	100.96	105.60

15b	203	218	7.44	272.81	293.00	29a>2m	48	50	9.86	48.66	50.69
16a	194	206	7.36	263.73	280.00	29b	59	62	8.89	88.34	69.70
16b	209	221	7.96	262.63	277.70	29b>2m	18	18	9.33	19.28	19.28
						base(fine)	20	20	7.97	25.08	25.08

RED	Spit	colour	pH	mag sus. (unconverted)		capsule	Mag sus (converted)	
				high freq.	low freq.	grams	high freq.	low freq.
	6b			294	320	9.145	321	350
	8a			364	377	7.605	479	496
	9a			529	562	7.985	662	704
	11a			352	376	7.72	456	487
	12a	2.5yr3/4	10	315	334	6.425	490	520
	14a			290	305	8.765	331	348
	19b			163	177	8.665	188	204
	20a	7.5yr4/1	10	419	441	8.085	518	545
	21b	2.5yr4/1	8.5	459	483	7.745	593	624
	22b			111	117	8.695	128	135
	25a			150	161	7.915	190	203
	27b	2.5yr3/4	9	138	148	7.015	197	211
RED/BROWN								
	Spit	colour	pH	mag sus (unconverted)		capsule	mag sus (converted)	
				high freq.	low freq.	grams	high freq.	low freq.
	3a	2.5yr3/4	7	455	483	7.665	594	630
	4b			689	721	7.785	885	926
	5a	5yr3/3	9	445	468	8.285	537	565
	10a	5yr4/4	9	463	483	8.645	536	559
	13a	5yr4/3	10	512	553	7.055	726	784
	16a			96	98	5.815	165	169

	17b			556	585	7.995	695	732
	18b	2.5yr3/4	10	428	440	8.335	513	528
	23a	2.5yr3/3	10	447	467	7.565	591	617
	25b			658	690	7.535	873	916
	26a	5yr3/3	10	462	483	8.285	558	583
	28a	2.5yr3/2	9	591	608	7.145	827	851
BROWN	Spit	colour	pH	mag sus (unconverted)		capsule	mag sus (converted)	
				high freq.	low freq.	grams	high freq.	low freq.
	5b	5yr3/1	9	302	317	8.985	336	353
	7a	5yr3/1	9	802	845	9.185	873	920
	7b	5yr3/3	9	344	367	8.005	430	458
	8b	2.5yr3/4	9	311	335	7.455	417	449
	15a	5yr3/3	10	453	475	8.415	538	564
	15b	5yr3/3	10	490	507	7.985	614	635
	18b	2.5yr3/4	10	355	381	7.765	457	491
	20a	7.5yr4/1	10	144	153	7.035	205	217
	24a	5yr3/2	9	451	469	8.065	559	582
	27a	2.5yr3/1	10	273	298	8.685	314	343
	27b	7.5yr3/2	9	295	423	8.615	459	491
	28a	5yr3/2	9	463	489	9.155	506	534

Appendix 6 Table 6.4 Ravensworth 3 Clay Ball Baking Experiment

ball no.	temp	hours	colour	pH	weight g.	xhf	xlf	XHF	XLF
		heated							
1	600	2	5yr/5/1	6	8.731	21	23	24	26
2	600	4	7.5yr5/6	6	8.194	23	23	28	28
3	600	6	7.5yr5/6	6	9.995	24	28	24	28
4	600	8	7.5yr6/6	6	9.591	21	23	22	24
5	600	10	2.5yr4/8	6	8.825	24	27	27	31
6	1000	2	2.5yr4/8	8.5	9.255	17	18	18	19
7	1000	4	2.5yr4/8	7.5	8.485	15	15	18	18
8	1000	6	2.5yr4/8	8	8.825	14	16	16	18
9	1000	8	2.5yr4/8	8.5	9.025	12	13	13	14
10	1000	10	2.5yr4/8	7.5	8.665	12	13	14	15

Appendix 6 Table 6.5 Ravensworth 3 Magnetic Susceptibility by Particle Size Fraction

Spit	<.25mm					<.5mm					<1.0mm					<2.0mm				
	grams	xhf	xlf	Xhf	Xlf	grams	xhf	xlf	Xhf	Xlf	grams	xhf	xlf	Xhf	Xlf	grams	xhf	xlf	Xhf	Xlf
3a	8.39	156	168	186	200	8.66	220	233	254	269	8.58	273	287	318	335	7.57	348	369	460	488
3b	8.2	146	164	178	200	8.89	251	273	282	307	8.06	334	361	415	448	7.69	370	406	481	528
4a	7.7	166	177	216	230	8.65	294	210	340	243	8.38	352	372	420	444	7.41	386	409	521	552
4b	7.31	181	190	248	260	8.56	300	314	351	367	8.25	389	405	472	491	7.43	404	421	544	567
5a	7.43	204	205	275	276	8	323	329	404	412	8.46	401	410	474	485	7.2	396	404	550	562
5b	7.44	189	202	254	272	9	348	368	387	409	8.25	365	385	443	467	7.71	400	422	519	548
6a	7.54	192	204	255	271	8.93	356	375	399	420	8.13	381	400	469	492	7.14	390	410	547	575
6b	7.5	198	206	264	275	8.32	316	328	380	394	7.33	386	301	527	411	7.43	403	419	543	564
7a	7.43	185	197	249	265	8.19	326	344	398	420	6.93	355	374	513	540	6.8	388	409	571	602
7b	7.51	190	203	253	270	8.03	306	322	381	401	7.6	354	373	466	491	7.18	385	405	537	564
8a	7.29	179	191	246	262	8.55	300	315	351	369	7.59	355	373	468	492	6.87	378	395	551	575
8b	6.84	165	175	241	256	8.04	296	313	368	390	7.73	362	382	469	494	7.71	389	407	505	528
9a	6.71	163	170	243	254	7.73	303	316	392	409	7.57	352	367	465	485	6.26	375	391	600	625
9b	6.09	175	149	288	245	7.37	326	306	443	415	7.65	399	382	522	500	7.21	421	405	584	562
10a	6.32	145	153	230	242	8.07	288	305	357	378	7.92	335	353	423	446	7.56	391	411	518	544
10b	6.79	155	165	228	243	8.18	297	314	363	384	8.01	334	363	417	453	7.18	391	414	545	577
11a	6.54	151	161	231	246	8.26	301	318	365	385	7.67	347	365	453	476	6.99	374	393	535	563
11b	6.25	144	155	231	248	8.23	295	314	359	382	7.98	340	360	426	451	6.76	354	370	524	548
12a	6.45	159	160	247	248	8.11	298	305	368	376	7.57	363	375	480	496	7.26	398	410	549	565
12b	6.57	149	158	227	241	8.11	303	321	374	396	8.02	358	378	447	472	7.1	368	389	519	548
13a	6.18	167	150	270	243	8.07	302	293	374	363	7.56	372	363	492	480	7.08	398	392	563	554
13b	6.58	150	159	228	242	7.83	284	301	363	385	7.85	343	361	437	460	6.97	363	398	521	571
14a	5.99	134	144	224	241	7.75	327	356	422	460	8.27	293	310	355	375	8.1	351	371	434	458
14b	6.08	140	151	230	249	7.91	298	314	377	397	8.28	325	342	393	413	7.04	360	378	512	537
15a	6.28	146	155	233	247	8.11	274	291	338	359	7.49	339	357	453	477	7.41	377	397	509	536
15b	6.23	143	153	230	246	7.8	280	296	359	380	7.56	314	359	416	475	7.11	358	377	504	531

16a	6.07	145	154	239	254	8.34	287	303	344	364	7.51	320	337	426	449	7.01	353	371	504	530
16b	6.16	144	154	234	250	8.22	288	305	351	371	7.5	327	345	436	460	6.47	312	327	483	506
17a	5.84	133	142	228	243	8.08	285	299	353	370	7.46	333	350	447	469	7.38	354	371	480	503
17b	6.03	141	151	234	251	8.75	266	283	304	370	7.22	319	337	442	467	6.91	336	354	487	513
18a	6.18	145	153	235	248	8.09	275	289	340	357	7.53	321	337	427	448	7.05	346	363	491	515
18b	6.1	143	152	235	249	7.81	286	302	366	387	7.67	338	355	441	463	7.09	334	351	471	495
19a	5.93	138	148	233	250	8.31	261	275	314	331	7.36	312	329	424	447	6.71	314	330	468	492
19b	5.95	137	146	230	246	8.18	261	275	319	336	7.97	331	347	416	436	7.11	340	357	479	502
20a	6.47	147	159	227	246	7.59	268	285	353	376	7.67	311	329	406	429	6.58	289	305	440	464
20b	5.98	139	148	233	248	7.13	264	278	371	390	7.21	293	313	407	434	6.63	290	304	438	459
21a	6.16	145	149	236	242	7.25	256	269	353	371	8.26	297	305	360	369	6.75	296	302	439	448
21b	7.34	170	180	232	245	8.37	269	283	322	338	7.22	302	319	419	442	7.34	321	340	438	464
22a	5.98	152	145	254	243	7.72	238	252	308	327	7.13	283	297	397	417	6.73	292	307	434	457
22b	6.21	144	156	232	251	7.19	261	274	363	381	6.85	287	302	419	441	6.65	274	289	412	435
23a	6.66	164	169	246	254	7.31	265	274	363	375	7.07	294	304	416	430	6.92	299	316	432	457
23b	6.44	156	166	242	258	7.55	265	282	351	373	7.65	294	310	385	405	6.8	285	300	419	441
24a	6.13	147	158	240	258	7.55	262	278	347	368	7.29	282	298	387	409	6.94	281	296	405	427
24b	6.61	162	172	245	260	8.14	258	273	317	335	7.34	267	283	364	385	7.3	272	288	373	394
25a	6.37	151	161	237	253	8.26	262	273	317	331	8.52	259	275	304	323	7.01	262	276	374	394
25b	6.8	161	171	237	252	8.23	260	275	316	334	8.01	276	290	345	362	7.18	267	282	372	393
26a	6.6	161	173	244	262	7.84	226	276	288	352	7.46	253	266	339	356	7.22	279	295	386	409
26b	7.14	172	182	241	255	7.67	254	268	331	349	8.28	274	290	331	350	7.59	296	311	390	410
27a	6.73	164	174	244	259	7.12	228	241	320	339	7.89	267	282	339	358	6.84	262	276	383	404
27b	6.56	157	167	239	255	8.11	222	261	274	322	7.88	251	266	318	337	6.81	248	261	364	383
28a	6.3	147	157	234	249	7.83	278	296	355	378	7.4	242	256	327	346	6.84	234	248	342	363
28b	6.61	149	157	226	238	8.28	223	220	269	266	7.82	224	237	286	303	6.61	214	226	324	342
29a	6.97	74	84	106	121	8.25	86	97	104	118	7.72	88	98	114	127	7.36	79	89	107	121
29b	7.69	90	82	117	107	11.8	66	69	55.9	58	7.95	56	61	70.4	76.7	6.99	38	39	54.4	55.8
base	8.21	22	23	27	28	7.78	16	17	20.6	22	8.58	19	20	22.2	23.3	8.02	18	18	22.5	22.5

Ravensworth 3								
spits	gross weight	gross weight	>22mm	>22mm	>11mm <22mm	>11mm <22mm	<11mm >2mm	<11mm >2mm
	Square A	Square B	Square A	Square B	Square A	Square B	Square A	Square B
1	75500	56000	72	62	818	460	12270	5490
2	86600	126200	148	604	1076	982	8100	13560
3	62200	37400	94	164	606	2266	8970	3430
4	60600	66200	92	456	770	2118	6690	9050
5	54000	64200	386	718	1732	2370	3670	8000
6	68200	70400	576	666	2416	1970	9800	10800
7	64600	79200	614	806	2086	2448	8400	6850
8	62600	67000	888	528	2092	1864	9000	7710
9	62200	61200	674	756	2574	2044	8340	9100
10	59000	72600	1125	864	2881	2104	10740	9500
11	30600	58600	799	606	1527	1814	9840	7210
12	41600	41200	888	548	2554	1537	10800	6600
13	47800	55600	346	386	1244	1410	5600	6150
14	53400	53200	430	370	1228	1382	6400	5850
15	48400	60600	428	432	1190	1658	5540	7880
16	48000	53400	450	356	1236	1648	5550	5550
17	52400	56800	398	538	1310	1220	6600	5750
18	33400	73400	722	342	586	1550	6400	8000
19	55600	54400	275	270	945	956	4430	5730
20	68400	62000	514	372	1490	1370	3650	7370
21	52400	56000	242	146	946	844	6100	5180
22	49000	46800	374	334	864	1058	4900	6360
23	53200	59800	290	310	788	1266	5550	6780
24	44600	43400	218	228	726	1002	4400	6300
25	63600	48800	520	286	884	754	6580	4550
26	47200	39200	166	520	632	1400	5650	9700

27	55000	49650	370	362	992	1074	4630	7250
28	40830	64200	158	384	428	1064	4740	8630
29	58200	44600	198	156	694	800	9580	6600

Site Name	Location	recorder	Record Date	Site Type	Zone
PARDOE &MARTIN 2001					
1.1	Murrumbudgee	SM	23/4/01	mound	55
2.1	Murrumbudgee	SM	23/4/01	mound	55
3.1	Murrumbudgee	SM	23/4/01	mound	55
3.2	Murrumbudgee	SM	23/4/01	mound	55
3.3	Murrumbudgee	SM	23/4/01	mound	55
3.4	Murrumbudgee	SM	23/4/01	mound	55
Fire Trail	Murrumbudgee	SM	23/4/01	mound	55
4.1	Murrumbudgee	SM	23/4/01	mound	55
4.1	Murrumbudgee	SM	23/4/01	burial	55
5.1	Murrumbudgee	SM	27/4/01	mound	55
5.1	Murrumbudgee	SM	27/4/01	burial	55
5.2	Murrumbudgee	SM	27/4/01	mound	55
6.1	Murrumbudgee	SM	27/4/01	mound	55
6.2	Murrumbudgee	SM	27/4/01	mound	55
midden	Murrumbudgee	CP	4/28/01	midden	55H
1.1c	Toopuntal 1	SM	22/4/01	mound	55
1.1a	Toopuntal	SM	22/4/01	mound	55
1.1a	Toopuntal	SM	22/4/01	burial	55
1.1b	Toopuntal	SM	22/4/01	mound	55
1.2	Toopuntal 2	SM	22/4/01	mound	55
1.3	Toopuntal 3	SM	22/4/01	mound	55
1.4	Toopuntal 4	SM	22/4/01	mound	55
2.1 (T6)	Toopuntal 6	SM	22/4/01	open site	55
3.1	Toopuntal 8	CP	22/4/01	oven	55
3.1	Toopuntal 8	CP	22/4/01	oven	55
3.2	Toopuntal 9	SM	22/4/01	artefact	55
4.1	Toopuntal 10	SM	22/4/01	mound	55
Toopuntal 11	Toopuntal 11	SM	22/4/01	mound	55
Toopuntal 11	Toopuntal 11	SM	22/4/01	mound	55
5.1	Toopuntal 12	SM	22/4/01	mound	55
5.1	Toopuntal 12	SM	22/4/01	mound	55
5.2	Toopuntal 13	SM	22/4/01	mound	55
5.3	Toopuntal 14	SM	22/4/01	mound	55
5.4	Toopuntal 15	SM	22/4/01	mound	55
5.5	Toopuntal 16	SM	22/4/01	mound	55
5.6	Toopuntal 17	SM	22/4/01	mound	55
T7	Toopuntul	JGW	4/23/01	hearth	55H
Nap Nap 1.1 (NN3)	Nap Nap 3	SM,GW	19/4/01	mound	55
Nap Nap 1.1 (NN3)	Nap Nap	SM,GW	19/4/01	oven	55
Nap Nap 1.1 (NN3)	Nap Nap	SM,GW	19/4/01	oven	55
Nap Nap 2.1 (NN4)	Nap Nap	SM,GW	19/4/01	mound	54
Nap Nap 2.2	Nap Nap	SM,GW	19/4/01	mound	54
Nap Nap 3.2 (NN5)	Nap Nap	SM,GW	19/4/01	oven	54
Nap Nap 3.2 (NN5)	Nap Nap	SM,GW	19/4/01	oven	54
Nap Nap 3.2 (NN5)	Nap Nap	SM,GW	19/4/01	oven	54
Nap Nap 4.1 (NN6)	Nap Nap	SM	20/4/01	mound	55
Nap Nap 4.2 (NN7)	Nap Nap	SM	20/4/01	mound	55
Nap Nap 4.3 (NN8)	Nap Nap	SM	20/4/01	open site	55

Nap Nap 4.4 (NN9)	Nap Nap	SM	20/4/01	mound	55
Nap Nap 4.5 (NN10)	Nap Nap	SM	20/4/01	open site	55
Nap Nap 4.5 (NN10)	Nap Nap	SM	20/4/01	open site	55
Nap Nap 4.6 (NN11)	Nap Nap	SM	20/4/01	oven	55
Nap Nap 4.6 (NN11)	Nap Nap	SM	20/4/01	open site	55
Nap Nap 4.7 (NN12)	Nap Nap	SM	20/4/01	mound	55
Nap Nap 4.7 (NN12)	Nap Nap	SM	20/4/01	mound	55
Nap Nap 4.7 (NN12)	Nap Nap	SM	20/4/01	mound	55
Nap Nap 13 (NN13)	Nap Nap	SM	20/4/01	mound	54
Nap Nap 5.2 (NN15)	Nap Nap	SM	20/4/01	open site	54
Nap Nap 6.1 (NN16)	Nap Nap	SM	20/4/01	oven	55
Nap Nap 7.1 (NN17)	Nap Nap	SM	20/4/01	mound	55
Nap Nap 7.1 (NN17)	Nap Nap	SM	20/4/01	burial	55
Ibotson SandHills	Jellalabad	CP	4/28/01	open site	55H
Ibotson SandHills	Jellalabad	CP	4/28/01	open site	55H
Ibotson SandHills	Jellalabad	CP	4/28/01	open site	55H
Ibotson SandHills	Jellalabad	CP	4/28/01	open site	55H
Ibotson SandHills	Jellalabad	CP	4/28/01	hearth	55H
1.1	Yerrimbool	SM	27/4/01	open site	55
Isolated Find	Yerrimbool	SM	27/4/01	artefact	55
1.2	Yerrimbool	SM	27/4/01	oven	55
3.1	Yerrimbool	SM	27/4/01	mound	55
3.1	Yerrimbool	SM	27/4/01	mound	55
3.1	Yerrimbool	SM	27/4/01	oven	55
3.1	Yerrimbool	SM	27/4/01	mound	55
3.1	Yerrimbool	SM	27/4/01	oven	55
3.1	Yerrimbool	SM	27/4/01	mound	55
3.1	Yerrimbool	SM	27/4/01	mound	55
3.1	Yerrimbool	SM	27/4/01	mound	55
3.1	Yerrimbool	SM	27/4/01	mound	55
3.1	Yerrimbool	SM	27/4/01	oven	55
3.1	Yerrimbool	SM	27/4/01	mound	55
3.1	Yerrimbool	SM	27/4/01	mound	55
3.1	Yerrimbool	SM	27/4/01	mound	55
3.1	Yerrimbool	SM	27/4/01	mound	55
3.1	Yerrimbool	SM	27/4/01	mound	55
PWT 1.1	Pevensy West/ Toogimbie	SM	15/4/01	open site	55
PWT 1.1	Pevensy West/ Toogimbie	SM	15/4/01	burial	55
PWT 1.1	Pevensy West/ Toogimbie	SM	15/4/01	burial	55
PWT 1.1	Pevensy West/ Toogimbie	SM	15/4/01	oven	55
PW/T 1.2	Pevensy West/ Toogimbie	SM	15/4/01	open site	55
PW/T 1.2	Pevensy West/ Toogimbie	SM	15/4/01	burial	55
PWT 1.3	Pevensy West/ Toogimbie	SM	15/4/01	open site	55
PWT 1.6	Pevensy West/ Toogimbie	SM	16/4/01	midden	55
PWT 1.8	Pevensy West/ Toogimbie	SM	16/4/01	midden	55
PWT 1.9	Pevensy West/ Toogimbie	SM	16/4/01	mound	55
PWT 1.10	Pevensy West/ Toogimbie	SM	16/4/01	midden	55
PWT 1.11	Pevensy West/ Toogimbie	CP	16/4/01	open site	55
PW/T 1.12	Pevensy West/ Toogimbie	CP	16/4/01	open site	55
PWT 1.13	Pevensy West/ Toogimbie	CP	16/4/01	mound	55
PW/T 1.14	Pevensy West/ Toogimbie	CP	16/4/01	mound	55
PW/T 1.15	Pevensy West/ Toogimbie	CP	16/4/01	mound	55

PW/T 1.16	Pevensy West/ Toogimbie	SM	16/4/01	mound	55
PW/T 1.17	Pevensy West/ Toogimbie	SM	16/4/01	mound	55
Maude TSR 1	Maude TSR	SM	30/4/01	open site	55
Maude TSR 1	Maude TSR	SM	30/4/01	burial	55
woolshed mounds 1	Waimea Downs		4/15/01	mound	55H
woolshed mounds 1	Waimea Downs	CP	4/15/01	burial	55H
woolshed mounds 1	Waimea Downs	CP	4/15/01	burial	55H
woolshed mounds 2	Waimea Downs	CP	4/15/01	mound	55H
woolshed mounds 2	Waimea Downs	CP	4/15/01	isolated artefact	55H
isolated artefact	Waimea Downs	CP	4/15/01	isolated artefact	55H
woolshed mounds 3	Waimea Downs	CP	4/15/01	burial	55H
woolshed mounds 3	Waimea Downs	CP	4/15/01	mound	55H
mound	Toogimbie Stn	CP	4/15/01	mound	55H
		CP	4/15/01	burial	55H
w side lake near shed	Waimea Downs	CP	4/15/01	mound	55H
4-5 burials covered by Gubba	Waimea Downs	CP	4/15/01	burial	55H
Pevensey West 1 burial 1	Pevensey	CP	4/16/01	burial	55H
Pevensey West 1 burial 2	Pevensey	CP	4/16/01	burial	55H
Pevensey West 1	Pevensey	CP	4/16/01	isolated artefact	55H
Pevensey West 2 burial 1	Pevensey	CP	4/16/01	burial	55H
Pevensey West 2 burial 2	Pevensey	CP	4/16/01	burial	55H
Pevensey West 2 burial 3	Pevensey	CP	4/16/01	burial	55H
Pevensey West 2 burial 4	Pevensey	CP	4/16/01	burial	55H
Pevensey West 2 burial 5	Pevensey	CP	4/16/01	burial	55H
Pevensey West 3	Pevensey	CP	4/16/01	n end mound	55H
Pevensey West 1 burial 3	Pevensey	CP	4/16/01	burial	55H
Pevensey West 4	Pevensey	CP	4/16/01	open site	55H
Pevensey West 1	Pevensey	CP	4/17/01	open site	55H
1.1	Goolparle 1.1	SM	28/4/01	burial	54
2.1	Goolparle 2.1	SM	28/4/01	midden	54
2.2	Goolparle 2.2	SM	28/4/01	midden	54
2.3	Goolparle 2.3	SM	28/4/01	midden	54
2.5	Goolparle 2.5	SM	28/4/01	mound	54
2.7	Goolparle 2.7	SM	28/4/01	midden	54
2.8	Goolparle 2.8	SM	28/4/01	midden	54
Goolparle 3.1	Goolparle 3.1	SM	28/4/01	oven	54
1.2	Auley 1.2	SM	25/4/01	open site	54
sample 3	Goolparle	JGW	4/29/01	shell midden	54H
sample 3	Goolparle	JGW	4/29/01	shell midden	54H
sample 3	Goolparle	JGW	4/29/01	shell midden	54H
	Goolparle	CP	4/29/01	dinner	54H

				camp	
	Goolparle	CP	4/29/01	mound	54H
	Goolparle	CP	4/29/01	dinner camp	54H
	Goolparle	CP	4/29/01	dinner camp	54H
	Goolparle	CP	4/29/01	dinner camp	54H
	Goolparle	CP	4/29/01	dinner camp	54H
	Yanga Nature Reserve	CP	4/27/01	open site	54H
	Yanga Nature Reserve	CP	4/27/01	open site	54H
	Yanga Nature Reserve	CP	4/27/01	isolated artefact	54H
1.1	Yanga Nature Reserve 1.1	SM	26/4/01	mound	54
1.2	Yanga Nature Reserve 1.2	SM	26/4/01	mound	54
1.2	Yanga Nature Reserve 1.2	SM	26/4/01	hearth	54
1.2	Yanga Nature Reserve 1.2	SM	26/4/01	hearth	54
1.2	Yanga Nature Reserve 1.2	SM	26/4/01	oven	54
1.2	Yanga Nature Reserve 1.2	SM	26/4/01	oven	54
1.3	Yanga Nature Reserve 1.3	SM	26/4/01	open site	54
2.1	Yanga Nature Reserve 2.1	SM	26/4/01	mound	54
Fenced site 1	Yanga Nature Reserve Fenced site	SM	26/4/01	mound	54
Fenced site 1	Yanga Nature Reserve Fenced site	SM	26/4/01	burial	54
Fenced site 1	Yanga Nature Reserve Fenced site	SM	26/4/01	open site	54
Fenced site 2	Yanga Nature Reserve Fenced site	SM	26/4/01	mound	54
3.1	Yanga Nature Reserve	SM	26/4/01	mound	54
3.2	Yanga Nature Reserve	SM	26/4/01	mound	54
3.3	Yanga Nature Reserve	SM	26/4/01	open site	54
1	Near Barman SF	JGW	4/19/01	mound	55H
2	Near Barman SF	JGW	4/19/01	mound	55H
mound 3	Near Barman SF	JGW	4/19/01	mound	55H
mound 4	Near Barman SF	JGW	4/19/01	mound	55H
mound 5	Near Barman SF	JGW	4/19/01	mound	55H
mound 6	Near Barman SF	JGW	4/19/01	mound	55H
mound 7	Near Barman SF	JGW	4/19/01	mound	55H
mound 8	Near Barman SF	JGW	4/19/01	mound	55H
mound 9	Near Barman SF	JGW	4/19/01	mound	55H
mound 10	Near Barman SF	JGW	4/19/01	mound	55H
Old Galah 1	Old Galah	SM,HJ, SM	18/4/01	open site	55
Old Galah 1	Old Galah	SM,HJ, SM	18/4/01	oven	55
Old Galah 1	Old Galah	SM,HJ, SM	18/4/01	oven	55
Old Galah 1	Old Galah	SM,HJ, SM	18/4/01	oven	55
Old Galah 2	Old Galah	SM,HJ, SM	18/4/01	open site	55
Old Galah 2	Old Galah	SM,HJ, SM	18/4/01	hearth	55
Old Galah 2	Old Galah	SM,HJ, SM	18/4/01	hearth	55
Old Galah 3	Old Galah	SM,HJ, SM	18/4/01	hearth	55
Old Galah 3	Old Galah	SM,HJ, SM	18/4/01	open site	55
Old Galah 3	Old Galah	SM,HJ, SM	18/4/01	open site	55
Old Galah 3	Old Galah	SM,HJ, SM	18/4/01	open site	55
Old Galah 3	Old Galah	SM,HJ, SM	18/4/01	open site	55

Old Galah 4	Old Galah	SM,HJ, SM	18/4/01	hearth	55
Old Galah 4	Old Galah	SM,HJ, SM	18/4/01	hearth	55
Old Galah 4	Old Galah	SM,HJ, SM	18/4/01	hearth	55
3.1	Berangerine 3	SM	5/3/01	hearth	55
4.1	Berangerine 4	SM	5/3/01	open site	55
4.1	Berangerine 4	SM	5/3/01	oven	55
sample 4	Berangerine	CP	5/3/01	hearth	55H
	S Burrabogie Stn	CP	4/18/01	soak	55H
SB 1.1	South Burrabogie	SM	17/4/01	mound	55
SB 1.2	South Burrabogie	SM	17/4/01	mound	55
SB 1.3	South Burrabogie	SM	17/4/01	open site	55
SB 1.3	South Burrabogie	SM	17/4/01	open site	55
SB 1.3	South Burrabogie	SM	17/4/01	open site	55
SB 1.3	South Burrabogie	SM	17/4/01	open site	55
SB 1.3	South Burrabogie	SM	17/4/01	open site	55
SB 2	South Burrabogie	SM	17/4/01	open site	55
SB 2	South Burrabogie	SM	17/4/01	oven	55
SB 3	South Burrabogie	SM	17/4/01	oven	55
SB 3	South Burrabogie	SM	17/4/01	oven	55
SB 3	South Burrabogie	SM	17/4/01	oven	55
SB 3	South Burrabogie	SM	17/4/01	oven	55
SB 3	South Burrabogie	SM	17/4/01	oven	55
SB 3	South Burrabogie	SM	17/4/01	oven	55
SB 3	South Burrabogie	SM	17/4/01	oven	55
SB 3	South Burrabogie	SM	17/4/01	oven	55
SB 3	South Burrabogie	SM	17/4/01	oven	55
SB 3	South Burrabogie	SM	17/4/01	oven	55
SB 3	South Burrabogie	SM	17/4/01	oven	55
SB 3	South Burrabogie	SM	17/4/01	oven	55
SB 3	South Burrabogie	SM	17/4/01	oven	55
SB 3	South Burrabogie	SM	17/4/01	oven	55
SB 3	South Burrabogie	SM	17/4/01	oven	55
SB 3	South Burrabogie	SM	17/4/01	oven	55
SB 3	South Burrabogie	SM	17/4/01	oven	55
SB 3	South Burrabogie	SM	17/4/01	oven	55
SB 3	South Burrabogie	SM	17/4/01	oven	55
SB 3	South Burrabogie	SM	17/4/01	oven	55
	16 Mile Gums	CP	4/18/01	hearth	55H
	16 Mile Gums	CP	4/18/01	hearth	55H
	16 Mile Gums	CP	4/18/01	hearth	55H
	16 Mile Gums	CP	4/18/01	hearth	55H
	16 Mile Gums	CP	4/18/01	hearth	55H
sample 4	G-C TSR	JGW	5/5/01	open camp site	55H
sample 4, mound 1	G-C TSR	JGW	5/5/01	mound	55H
sample 4, mound 2	G-C TSR	JGW	5/5/01	mound	55H
sample 4, mound 4	G-C TSR	JGW	5/5/01	mound	55H
sample 4, mound 3	G-C TSR	JGW	5/5/01	mound	55H
sample 5	G-C TSR	CP	5/5/01	open site	55H
MARTIN 1995-2000	-	-	-	-	-
	Norwood 1	SM JGW BB	9/20/2000	midden	55

	Ita Lake 3	SM JGW BB	9/20/2000	burials	55
	Ita Lake 1	SM JGW BB	9/20/2000	mounds	55
	Ita Lake 2	SM JGW BB	9/20/2000	ashy deposit	55
	Ita Lake 4	SM JGW BB	9/20/2000	artefacts	55
	McFarlanes SF 1.1	SM IW BB	1995-2000	ashy deposit	55
	McFarlanes SF 1.2	SM IW BB	1995-2000	mounds	55
	McFarlanes SF 2.1	SM IW BB	1995-2000	ashy deposit	55
	McFarlanes SF 2.2	SM IW BB	1995-2000	mounds	55
	St Pauls 1.1	SM JGW BB	9/19/2000	burials	55
	St Pauls 1.2	SM JGW BB	9/19/2000	burials	55
	St Pauls 1.3	SM JGW BB	9/19/2000	mound	55
	St Pauls 1.4	SM JGW BB	9/19/2000	burial	55
	St Pauls 2.1a	SM JGW BB	9/19/2000	mound	55
	St Pauls 2.1b	SM JGW BB	9/19/2000	mound	55
	St Pauls 3.1	SM JGW BB	9/19/2000	mound	55
	St Pauls 3.2	SM JGW BB	9/19/2000	mound	55
	St Pauls 3.3	SM JGW BB	9/19/2000	burials	55
	St Pauls 4.1	SM JGW BB	9/19/2000	mound	55
	St Pauls 4.2	SM JGW BB	9/19/2000	mound	55
	St Pauls 5.1	SM JGW BB	9/19/2000	mound	55
	St Pauls 5.2	SM JGW BB	9/19/2000	burial	55
	St Pauls 5.3	SM JGW BB	9/19/2000	mound	55
	St Pauls 6.1	SM JGW BB	9/19/2000	3 mounds	55
	St Pauls 6.2	SM JGW BB	9/19/2000	2 mounds	55
	St Pauls 7	SM JGW BB	9/19/2000	mound	55
	St Pauls 8	SM JGW BB	9/19/2000	burial	55
	Jeraly South 1	SM JL	1995-2000	mound	55
	Jeraly South 2.1	SM JL	1995-2000	mound	55
	Jeraly South 2.2	SM JL	1995-2000	mound	55
	Jeraly South 2.3	SM JL	1995-2000	mound	55

	Jeraly South 2.4	SM JL	1995-2000	mound	55
	Jeraly South 2.5	SM JL	1995-2000	mound	55
	Jeraly South 2.6	SM JL	1995-2000	mound	55
	Jeraly South 2.7	SM JL	1995-2000	mound	55
	Jeraly South 2.8	SM JL	1995-2000	mound	55
	Jeraly South 2.9	SM JL	1995-2000	mound	55
	Waimea Downs west corner 1.1	SM JGW BB	9/19/2000	mound	55
	Waimea Downs west corner 1.2	SM JGW BB	9/19/2000	burial	55
	Waimea Downs west corner 2.1	SM JGW BB	9/19/2000	mound	55
	Waimea Downs west corner 2.2	SM JGW BB	9/19/2000	burial	55
	Waimea Downs west corner 3	SM JGW BB	9/19/2000	mound	55
	Maude Tip 1.1	SM IW BB	1995-2000	mound	55
	Maude Tip 1.2	SM IW BB	1995-2000	burial	55
	Maude Bridge 1	SM BB	2000	mound	55
	Maude Cattleyards 1.1	SM BB	2000	burials	55
	Maude Cattleyards 1.2	SM BB	2000	mound	55
	Tchelery H.S 1	SM IW BB	1995-2000	4 mounds	55
	Tchelery 1.1	SM IW BB	1995-2000	mound	55
	Tchelery 2	SM IW BB	1995-2000	mound	55
	Tchelery 3	SM IW BB	1995-2000	mound	55
	Tchelery 1.4	SM IW BB	1995-2000	mound	55
	Tchelery 1.8	SM IW BB	1995-2000	mound	55
	Tchelery 1.7	SM IW BB	1995-2000	mound	55
	Tchelery 1.5, 1.6	SM IW BB	1995-2000	2 mounds	55
	Tchelery 5	SM IW BB	1995-2000	mound	55
	Tchelery 6 ????	SM IW BB	1995-2000	artefacts	
	Tchelery 6 ????	SM IW BB	1995-2000	ovens	55
	Tchelery 1.9	SM IW BB	1995-2000	burials	
	Dry Lake 12	SM JL	1995-2000	mound	55
	Dry Lake 11.1	SM JL	1995-2000	ovens	55
	Dry Lake 11.2	SM JL	1995-2000	artefacts	55
	Dry Lake 11.3	SM JL	1995-	burials	55

			2000		
	Rav ensworth 1	SM BB	1999-2000	mound	55
	Rav ensworth 2	SM BB	1999-2000	mound	55
	Rav ensworth 3	SM BB	1999-2000	mound	55
	Rav ensworth 4	SM BB	1999-2000	mound	55
	Rav ensworth 5	SM BB	1999-2000	mound	55
	Ravensworth 6	SM BB	1999-2000	3 mounds	55
	Ravensworth 7	SM BB	1999-2000	mounds	55
	Ravensworth 8	SM BB	1999-2000	burials	55
	Ravensworth 9	SM BB	1999-2000	2 mounds	55
	Ravensworth 10	SM BB	1999-2000	mound	55
	Rav ensworth 11	SM BB	1999-2000	mound	55
	Rav ensworth 12	SM BB	1999-2000	artefacts	55
	Ravensworth : The Mount 2	SM BB	1999-2000	2 mounds	55
	Baldon Irrigation 1	SM IW BB	1995-2000	mound	55
	Baldon Irrigation 2	SM IW BB	1995-2000	mound	55
	Baldon Irrigation 3	SM IW BB	1995-2000	mound	55
	Baldon 1	SM IW BB	1995-2000	mound	55
	Baldon 2	SM IW BB	1995-2000	mound	55
	Baldon 3	SM IW BB	1995-2000	mound	55
	Baldon 4	SM IW BB	1995-2000	6 mounds	55
	Baldon 5	SM IW BB	1995-2000	mound	55
	Baldon 6	SM IW BB	1995-2000	10 mounds	55
	Baldon 7	SM IW BB	1995-2000	7 mounds	55
	Baldon 8-10	SM IW BB	1995-2000	6 mounds	55
	Baldon boxswamp	SM IW BB	1995-2000	2 ovens	
	Baldon boxswamp tank	SM IW BB	1995-2000	2 mounds	
	Baldon boxswamp tank	SM IW BB	1995-2000	8 ovens	
	Kerri East 5.1	SM IW BB	1995-2000	mound	55
	Kerri East 5.2	SM IW BB	1995-2000	burial cluster	55
	Kerri East 6	SM IW BB	1995-	3 mounds	55

			2000		
	Kerri East 7.1	SM IW BB	1995-2000	4 mounds	55
	Kerri East 7.2	SM IW BB	1995-2000	burials	55
	Kerri East 8.1	SM IW BB	1995-2000	mound	55
	Kerri East 8.1	SM IW BB	1995-2000	oven	
	Kerri East 8.2	SM IW BB	1995-2000	burials	55
	Kerri East 9.2	SM IW BB	1995-2000	burials	55
	Kerri East 9.1	SM IW BB	1995-2000	mound	55
	Kerri East ; Lintots Swamp 1	SM IW BB	1995-2000	2 mounds	55
	Kerri East :Lintots Swamp 2	SM IW BB	1995-2000	4 mounds	55
	Kerri East : Lintots Swamp 3	SM IW BB	1995-2000	6 mounds	55
	Kerri East : Lintots Swamp 4	SM IW BB	1995-2000	4 mounds	55
	Kerri East : Lintots Swamp 5	SM IW BB	1995-2000	mound	55
	Kerri East : Lintots Swamp 6	SM IW BB	1995-2000	mound	55
	Kerri East : Lintots Swamp 7	SM IW BB	1995-2000	mound	55
	Kerri East : Lintots Swamp 8	SM IW BB	1995-2000	mound	55
	Kerri East: Lintots Swamp 9	SM IW BB	1995-2000	mound	55
	Old Kerri Kerri 1	SM IW BB	1995-2000	17 mounds	55
	Illilwara Reserve 1.1	SM IW BB	1995-2000	4 mounds	55
	Illilwara Reserve 1.2	SM IW BB	1995-2000	midden	55
	Illilwara Reserve 1.3	SM IW BB	1995-2000	burials	55
	Illilwara Reserve 2	SM IW BB	1995-2000	midden	55
	Illilwara Reserve 3	SM IW BB	1995-2000	7mounds	55
	Mirrool Creek 1	SM IW BB	1995-2000	artefacts	55
	Mirrool Creek 1	SM IW BB	1995-2000	ovens	55
	Wongalea Road 1	SM IW BB	1995-2000	artefacts	55
	Wongalea Road 1	SM IW BB	1995-2000	ovens	55
	One Tree 1.1	SM IW BB	1995-2000	artefacts	55
	One Tree 1.2	SM IW BB	1995-2000	burial	55
	One Tree 2	SM IW BB	1995-2000	artefacts	55
	Quandong Tank 1	SM IW BB	1995-	artefacts	55

			2000		
	Pimpara Creek 1.1	SM IW BB	1995-2000	mound	55
	Pimpara Creek 2	SM IW BB	1995-2000	artefacts	55
	Sidonia Road (approximate location)	SM IW BB	1995-2000	artefacts	55
	Gre Gre	SM IW BB	1995-2000	2 mounds	
	Gre Gre	SM IW BB	1995-2000	midden	
	Uara Creek TSR 1	SM IW BB	1995-2000	3 burials	
	Uara Creek TSR 2	SM IW BB	1995-2000	4 small mounds	
	Walgrove	SM IW BB	1995-2000	ovens	
	Walgrove	SM IW BB	1995-2000	artefacts	
	Gundaline OS-1	SM BB	1999-2000		
	Gundaline OS-1	SM BB	1999-2000		
	Gundaline HS-2	SM BB	1999-2000		
	Gundaline HS-1	SM BB	1999-2000		
	Gundaline HS-1	SM BB	1999-2000		
	Newmarket TSR	SM BB	1999-2000		
NPWS AHIMS					
	Barman Stock Reserve	Klaver1990		20 mounds	
47-3-0013	Dry Lake Burial;	Johnston, H.	01/23/97	Burial/s	54
47-4-0005	Dry Lake;	Bonhomme, T.	04/02/91	Burial/s	54
47-4-0013	Dry Lake Burial;	Johnston, H.	01/23/97	Burial/s	54
47-4-0013	Dry Lake Burial;	Johnston, H.	01/23/97	Midden	54
47-6-0004	Yanga Lake burial site	Morris, G.	01/15/80	Burial/s	54
47-6-0005	Balranald Island Burial	Morris, G.	02/15/80	Burial/s	54
47-6-0006	Balranald;Balranald Burial Grounds;			Burial/s	54
47-6-0008	Balranald;Balranald Mission;	Williams, K.	01/07/91	Midden	54
47-6-0016	Muhti Muhti Reserve Midden;	Bonhomme, T.	05/02/91	Midden	54
47-6-0017	Holmdale 1;	Bonhomme, T.		Burial/s	54
47-6-0018	Holmdale 2;	Bonhomme, T.	05/02/91	Burial/s	54
47-6-0019	Yanga Oven Mound;	Deveson, T.	09/10/88	Mound (Oven)	54
47-6-0024	Yanga Creek 1;YC-1;	Edmonds, V.	09/03/97	Midden	54

47-6-0025	Yanga Creek Midden 2;YCM-2;	Edmonds, V.	09/04/97	Midden	54
47-6-0031	Binbinette 2;Binbinette Station;	Edmonds, V.	07/02/01	Midden	54
47-6-0033	North Berambong 1;North Berambong;	Edmonds, V.	07/02/01	Open Camp Site	54
47-6-0034	Binbinette 1;Binbinette;	Edmonds, V.	07/02/01	Open Camp Site	54
48-1-0001	Nimming Creek;"Moatfield";			Burial/s	55
48-1-0001	Nimming Creek;"Moatfield";			Open Camp Site	55
48-1-0002	Nap Nap Station;			Burial/s	55
48-1-0002	Nap Nap Station;			Open Camp Site	55
48-1-0004	Maude;			Burial/s	55
48-1-0012	Torrie Plain;	Bonhomme, T.	04/02/91	Burial/s	55
48-1-0013	Hay Site;	Blair, R.		Burial/s	55
48-1-0014	Tory Plains 2	Walshe, K.	07/08/02	Burial/s	55
48-1-0015	Nap Nap 2	Walshe, K.	-06/24/06	Burial/s	55
-				mound	
48-1-0016	Back oaks Ravensworth	Johnston, H.	12/16/01	Burial/s	55
48-1-0018	Back oaks Ravensworth	Johnston, H.	12/16/01	Burial/s	55
48-1-0019	Waimea Downs 5	Meredith, S.	07/27/02	Burial/s	55
48-1-0020	Waimea Downs 2	Meredith, S.	07/26/02	Burial/s	55
48-2-0001	Binghams Lane;	Brickhill, J.	08/07/95	Burial/s	55
48-3-0004	Uardry Stock Reserve;Uardry Travelling Stock;	Klaver, J.	12/14/93	Mound (Oven)	55
48-3-0005	Uardry Stock Reserve;Uardry Travelling Stock;	Klaver, J.	12/14/94	Midden	55
48-3-0006	Uardry Stock Reserve_4;Uardry Travelling Stock_4;	Klaver, J.	12/15/94	Mound (Oven)	55
48-3-0007	Uardry Stock Reserve_5;Uardry MQavelling Stock_5;	Klaver, J.	12/15/93	Mound (Oven)	55
48-3-0008	Uardry Stock Reserve_7;Uardry Travelling Stock_7;	Klaver, J.	12/15/93	Mound (Oven)	55
48-3-0009	Uardry Stock Reserve_8;Uardry Travelling Stock_8;	Klaver, J.	12/15/93	Mound (Oven)	55
48-3-0010	Uardry Stock Reserve_9;Uardry Travelling Stock_9;	Klaver, J.	12/15/93	Midden	55
48-3-0010	Uardry Stock Reserve_9;Uardry Travelling Stock_9;	Klaver, J.	12/15/93	Mound (Oven)	55
48-3-0011	Uardry Stock Reserve_10;Uardry Travelling Stock_10;	Klaver, J.	12/15/93	Midden	55

48-3-0011	Uardry Stock Reserve_10;Uardry Travelling Stock_10;	Klaver, J.	12/15/93	Mound (Oven)	55
48-3-0012	Uardry Stock Reserve_11;Uardry Travelling Stock_11;	Klaver, J.	12/15/93	Midden	55
48-3-0012	Uardry Stock Reserve_11;Uardry Travelling Stock_11;	Klaver, J.	12/15/93	Mound (Oven)	55
48-3-0013	Uardry Stock Reserve_12;Uardry Travelling Stock_12;	Klaver, J.	12/15/93	Mound (Oven)	55
48-3-0016	Uardry Stock Reserve_15;Uardry Travelling Stock_15;	Klaver, J.	12/15/93	Mound (Oven)	55
48-3-0017	Uardry Stock Reserve_16;Uardry Travelling Stock_16;	Klaver, J.	12/15/93	Mound (Oven)	55
48-3-0020	Cooey Point Lagoon 1;Cooey Point Lagoon Reserve;	Klaver, J.	12/18/93	Mound (Oven)	55
48-3-0021	Cooey Point Lagoon 1;Cooey Point Lagoon Reserve;	Klaver, J.	12/18/93	Mound (Oven)	55
48-3-0022	Cooey Point Lagoon 2;Cooey Point Lagoon Reserve;	Klaver, J.	12/18/93	Midden	55
48-3-0023	Cooey Point Lagoon 3;Cooey Point Lagoon Reserve;	Klaver, J.	12/18/93	Midden	55
48-3-0024	Cooey Point Lagoon 4;Cooey Point Lagoon Reserve;	Klaver, J.	12/18/93	Midden	55
48-3-0025	Cooey Point Lagoon 5;Cooey Point Lagoon Reserve;	Klaver, J.	12/18/93	Midden	55
48-3-0026	Cooey Point Lagoon 6;Cooey Point Lagoon Reserve;	Klaver, J.	12/18/93	Mound (Oven)	55
48-3-0027	Cooey Point Lagoon 7;Cooey Point Lagoon Reserve;	Klaver, J.	12/18/93	Mound (Oven)	55
48-3-0028	Cooey Point Lagoon 8;Cooey Point Lagoon Reserve;	Klaver, J.	12/18/93	Mound (Oven)	55
48-3-0029	Cooey Point Lagoon 9;Cooey Point Lagoon Reserve;	Klaver, J.	12/18/93	Mound (Oven)	55
48-3-0030	Cooey Point Lagoon 10;Cooey Point Lagoon Reserve;	Klaver, J.	12/18/93	Mound (Oven)	55
48-3-0031	Cooey Point Lagoon 11;Cooey Point Lagoon Reserve;	Klaver, J.	12/18/93	Mound (Oven)	55
48-3-0032	Cooey Point Lagoon 13;Cooey Point Lagoon Reserve;	Klaver, J.	12/18/93	Mound (Oven)	55

48-3-0033	Cooey Point Lagoon 13;Cooey Point Lagoon Reserve;	Klaver, J.	12/18/93	Mound (Oven)	55
48-3-0034	Cooey Point Lagoon 14;Cooey Point Lagoon Reserve;	Klaver, J.	12/18/93	Mound (Oven)	55
48-3-0035	Cooey Point Lagoon 15;Cooey Point Lagoon Reserve;	Klaver, J.	12/18/93	Mound (Oven)	55
48-3-0037	Cooey Point Lagoon 17;Cooey Point Lagoon Reserve;	Klaver, J.	12/18/93	Mound (Oven)	55
48-3-0038	Cooey Point Lagoon 18;Cooey Point Lagoon Reserve;	Klaver, J.	12/18/93	Mound (Oven)	55
48-3-0039	Cooey Point Lagoon 19;Cooey Point Lagoon Reserve;	Klaver, J.	12/18/93	Mound (Oven)	55
48-3-0040	Cooey Point Lagoon 20;Cooey Point Lagoon Reserve;	Klaver, J.	12/18/93	Mound (Oven)	55
48-3-0041	Cooey Point Lagoon 21;Cooey Point Lagoon Reserve;	Klaver, J.	12/18/93	Mound (Oven)	55
48-3-0042	Cooey Point Lagoon 22;Cooey Point Lagoon Reserve;	Klaver, J.	12/18/93	Mound (Oven)	55
48-3-0043	Cooey Point Lagoon 23;Cooey Point Lagoon Reserve;	Klaver, J.	12/18/93	Mound (Oven)	55
48-3-0044	Cooey Point Lagoon 24;Cooey Point Lagoon Reserve;	Klaver, J.	12/18/93	Mound (Oven)	55
48-3-0045	Cooey Point Lagoon 25;Cooey Point Lagoon Reserve;	Klaver, J.	12/18/93	Mound (Oven)	55
48-3-0046	Cooey Point Lagoon 26;Cooey Point Lagoon Reserve;	Klaver, J.	12/18/93	Mound (Oven)	55
48-3-0047	Cooey Point Lagoon 27;Cooey Point Lagoon Reserve;	Klaver, J.	12/18/93	Mound (Oven)	55
48-3-0048	Cooey Point Lagoon 28;Cooey Point Lagoon Reserve;	Klaver, J.	12/18/93	Mound (Oven)	55
48-3-0049	Cooey Point Lagoon 29;Cooey Point Lagoon Reserve;	Klaver, J.	12/18/93	Mound (Oven)	55
48-3-0050	Cooey Point Lagoon 30;Cooey Point Lagoon Reserve;	Klaver, J.	12/18/93	Mound (Oven)	55
48-3-0051	Cooey Point Lagoon 31;Cooey Point Lagoon Reserve;	Klaver, J.	12/18/93	Mound (Oven)	55
48-3-0052	Cooey Point Lagoon 32;Cooey Point Lagoon Reserve;	Klaver, J.	12/18/93	Mound (Oven)	55
48-3-0053	Cooey Point Lagoon 33;Cooey Point Lagoon	Klaver, J.	12/18/93	Mound (Oven)	55

	Reserve;				
48-3-0054	Cooey Point Lagoon 34;Cooey Point Lagoon Reserve;	Klaver, J.	12/18/93	Mound (Oven)	55
48-3-0055	Cooey Point Lagoon 35;Cooey Point Lagoon Reserve;	Klaver, J.	12/18/93	Mound (Oven)	55
48-3-0056	Cooey Point Lagoon 36;Cooey Point Lagoon Reserve;	Klaver, J.	12/18/93	Mound (Oven)	55
48-3-0059	Cooey Point Lagoon 39;Cooey Point Lagoon Reserve;	Klaver, J.	12/18/93	Mound (Oven)	55
48-3-0062	Cooey Point Lagoon 42;Cooey Point Lagoon Reserve;	Klaver, J.	12/18/93	Mound (Oven)	55
48-4-0001	Jeraly Station;			Burial/s	55
48-4-0002	Tchelery Station;Moulamein;			Midden	55
48-4-0003	Toogimbie;			Burial/s	55
48-4-0004	Glenhope;Tooginbie Tank;			Open Camp Site	55
48-4-0007	Kerri East Gravesite;	Gray, B.	04/11/96	Burial/s	55
48-4-0008	Tchelery Mound 1-3;	Littleton, J.	10/29/97	Mound (Oven)	55
48-4-0009	Jeraly North;	Littleton, J.	11/13/97	Burial/s	55
48-4-0010	Kerri East 1;	Littleton, J.	12/15/97	Burial/s	55
48-4-0011	Dry Lake 10;	Littleton, J.	03/22/98	Burial/s	55
48-4-0012	Dry Lake TSR4;	Johnston, H.	04/23/97	Burial/s	55
48-4-0013	Kerrie East #4;	Littleton, J.	05/13/99	Burial/s	55
48-4-0014	Tchelery / Abercrombie Creek;	Littleton, J.	05/13/99	Burial/s	55
48-4-0015	Tchelery #4;	Littleton, J.	05/13/99	Burial/s	55
48-4-0016	Jeraly North 2;	Littleton, J.	11/02/98	Burial/s	55
48-4-0017	Dry Lake West;	Littleton, J.	10/30/97	Burial/s	55
48-4-0017	Dry Lake West;	Littleton, J.	10/30/97	Mound (Oven)	55
48-4-0018	Kerri East Woolshed 1;	Littleton, J.	05/26/99	Burial/s	55
48-4-0018	Kerri East Woolshed 1;	Littleton, J.	05/26/99	Mound (Oven)	55
48-4-0019	Kerri East Woolshed 2;	Littleton, J.	05/26/99	Burial/s	55
48-4-0019	Kerri East Woolshed 2;	Littleton, J.	05/26/99	Mound (Oven)	55
48-4-0019	Kerri East Woolshed 2;	Littleton, J.	05/26/99	Open Camp Site	55
48-4-0020	Woolamie TSR 2;	Littleton, J.	12/19/99	Burial/s	55
48-4-0020	Woolamie TSR 2;	Littleton, J.	12/19/99	Mound (Oven)	55
48-4-0021	Woolamie TSR 1;	Littleton, J.	12/19/99	Burial/s	55
48-4-0021	Woolamie TSR 1;	Littleton, J.	12/19/99	Mound (Oven)	55
48-4-0022	Waimea Downs Road 2;	Littleton, J.	12/14/99	Burial/s	55
48-4-0022	Waimea Downs Road 2;	Littleton, J.	12/14/99	Mound (Oven)	55
48-4-0023	Waimea Downs Road 1;	Littleton, J.	12/14/99	Burial/s	55
48-4-0023	Waimea Downs Road 1;	Littleton, J.	12/14/99	Mound	55

				(Oven)	
48-4-0024	Toog 20-21;Toogimbie;	Littleton, J.;Baulch, L.	02/10/00	Open Camp Site	55
48-4-0025	TOOG 22-23;TOOGIMBIE;	Littleton, J.;Baulch, L.	02/10/00	Open Camp Site	55
48-4-0026	TOOG 24;Toogimbee;	Littleton, J.;Baulch, L.	02/10/00	Open Camp Site	55
48-4-0027	TOOG 25-27, 49;TOOGIMBIE;	Littleton, J.;Baulch, L.	02/11/00	Open Camp Site	55
48-4-0028	TOOG 28;TOOGIMBIE;	Littleton, J.;Baulch, L.	02/11/00	Open Camp Site	55
48-4-0029	TOOG 29-31;TOOGIMBIE;	Littleton, J.;Baulch, L.	02/11/00	Open Camp Site	55
48-4-0030	TOOG 32-33;TOOGIMBIE;	Littleton, J.;Baulch, L.	02/02/00	Open Camp Site	55
48-4-0031	TOOG 37-38;TOOGIMBIE;	Littleton, J.;Baulch, L.	02/11/00	Open Camp Site	55
48-4-0032	TOOG 65-70;TOOGIMBIE;	Littleton, J.;Baulch, L.	02/10/00	Open Camp Site	55
48-4-0033	TOOG 63-64;TOOGIMBIE;	Littleton, J.;Baulch, L.	02/10/00	Open Camp Site	55
48-4-0034	TOOG 61-62;TOOGIMBIE;	Littleton, J.;Baulch, L.	02/10/00	Open Camp Site	55
48-4-0035	TOOG 60;TOOGIMBIE;	Littleton, J.;Baulch, L.	02/10/00	Open Camp Site	55
48-4-0036	TOOG 58;TOOGIMBIE;	Littleton, J.;Baulch, L.	02/10/00	Open Camp Site	55
48-4-0037	TOOG 57;TOOGIMBIE;	Littleton, J.;Baulch, L.	02/14/00	Open Camp Site	55
48-4-0038	TOOG 56;TOOGIMBIE;	Littleton, J.;Baulch, L.	02/14/00	Open Camp Site	55
48-4-0039	TOOG 54,59;TOOGIMBIE;	Littleton, J.;Baulch, L.	02/10/00	Open Camp Site	55
48-4-0040	TOOG 53;TOOGIMBIE;	Littleton, J.;Baulch, L.	02/10/00	Open Camp Site	55
48-4-0041	TOOG 52, 55;TOOGIMBIE;	Littleton, J.;Baulch, L.	02/14/00	Open Camp Site	55
48-4-0042	TOOG 50;TOOGIMBIE;	Littleton, J.;Baulch, L.	02/11/01	Open Camp Site	55
48-4-0043	TOOG 40-41;TOOGIMBIE;	Littleton, J.;Baulch, L.	02/11/00	Open Camp Site	55

48-4-0044	TOOG 71;TOOGIMBIE;	Littleton, J.;Baulch, L.	02/10/00	Open Camp Site	55
48-4-0045	TOOG 72-73;TOOGIMBIE;	Littleton, J.;Baulch, L.	02/10/00	Open Camp Site	55
48-4-0046	TOOG 74-75;TOOGIMBIE;	Littleton, J.;Baulch, L.	02/10/00	Open Camp Site	55
48-4-0047	TOOG 76;TOOGIMBIE;	Littleton, J.;Baulch, L.	02/10/00	Open Camp Site	55
48-4-0048	TOOG 77;TOOGIMBIE;	Littleton, J.;Baulch, L.	02/10/00	Open Camp Site	55
48-4-0049	PTOOG 78;TOOGIMBIE;	Littleton, J.;Baulch, L.	02/10/00	Open Camp Site	55
48-4-0050	TOOG 79;TOOGIMBIE;	Littleton, J.;Baulch, L.	02/10/00	Open Camp Site	55
48-4-0051	TOOG 80;TOOGIMBIE;	Littleton, J.;Baulch, L.	02/10/00	Open Camp Site	55
48-4-0052	TOOG 12-13;	Littleton, J.	02/09/00	Mound (Oven)	55
48-4-0053	TOOG 9-11;	Littleton, J.	02/09/00	Mound (Oven)	55
48-4-0054	TOOG 14-20;	Littleton, J.	02/10/00	Burial/s	55
48-4-0054	TOOG 14-20;	Littleton, J.	02/10/00	Mound (Oven)	55
48-4-0055	TOOG 1-2;	Littleton, J.	02/09/00	Burial/s	55
48-4-0055	TOOG 1-2;	Littleton, J.	02/09/00	Mound (Oven)	55
48-4-0056	TOOG 6-8;	Littleton, J.	02/09/00	Mound (Oven)	55
48-4-0057	TOOG 3-4;	Littleton, J.	02/09/00	Mound (Oven)	55
48-4-0062	Waimea Downs 2;Waimea Downs;	Meredith, S.	01/13/02	Mound (Oven)	55
48-4-0063	Glen hope 3;Ravensworth;	Meredith, S.	01/13/02	Mound (Oven)	55
48-4-0064	Glen Hope 2;Ravensworth;	Meredith, S.	01/13/02	Mound (Oven)	55
48-4-0065	Snake Mound;Ravensworth;	Meredith, S.	01/13/02	Mound (Oven)	55
48-4-0066	Rookery 1;Ravensworth;	Meredith, S.	01/13/02	Mound (Oven)	55
48-4-0067	Back Oaks 5;Ravensworth;	Meredith, S.	12/05/02	Mound (Oven)	55
48-4-0068	Back Oaks 4;Ravensworth;	Meredith, S.	12/05/02	Mound (Oven)	55
48-4-0069	Back Oaks 3;Ravensworth;	Meredith, S.	12/05/01	Burial/s	55
48-4-0069	Back Oaks 3;Ravensworth;	Meredith, S.	12/05/01	Mound (Oven)	55
48-4-0070	Pethers 3,4&5;Ravensworth;	Meredith, S.	12/05/01	Mound (Oven)	55
48-4-0071	Pump site 1;Ravensworth;	Meredith, S.	12/05/01	Mound (Oven)	55

48-4-0072	Pethers 2;Ravensworth;	Meredith, S.	12/05/01	Mound (Oven)	55
48-4-0073	Pethers 1;Ravensworth;	Meredith, S.	12/16/01	Mound (Oven)	55
48-4-0074	Toogimbie S/E;Toogimbie;	Meredith, S.	12/17/01	Burial/s	55
48-4-0074	Toogimbie S/E;Toogimbie;	Meredith, S.	12/17/01	Mound (Oven)	55
48-4-0075	Back Baldon;Baldon;	Meredith, S.	01/22/02	Burial/s	55
48-4-0075	Back Baldon;Baldon;	Meredith, S.	01/22/02	Mound (Oven)	55
48-4-0076	Back Oaks 2;Ravensworth;	Meredith, S.	12/05/01	Open Camp Site	55
48-4-0077	Ravensworth Mounds 1-5;Ravenworth Station;	Johnston, H.	11/19/01	Mound (Oven)	55
48-4-0078	Back Baldon;Baldon;	Meredith, S.	01/22/02	Burial/s	55
48-4-0078	Back Baldon;Baldon;	Meredith, S.	01/22/02	Mound (Oven)	55
48-4-0079	The Mount Ravensworth	Meredith, S.	12/05/02	Mound (Oven)	55
48-4-0080	Back Oaks Ravensworth	Woods, J.	12/05/01	Burial/s	55
48-4-0080	Back Oaks Ravensworth	Woods, J.	12/05/01	Mound (Oven)	55
48-4-0081	Fiddlers Creek Ravensworth	Meredith, S.	12/05/02	Mound (Oven)	55
48-4-0082	Black Creek Ravensworth	Meredith, S.	12/05/02	Open Camp Site	55
48-5-0003	Hay			Burial/s	55
48-5-0003	Hay			Open Camp Site	55
48-5-0007	Mungadal;Murrumbidgee River;			Open Camp Site	55
48-5-0009	Mungadal;Murrumbidgee River;			Midden	55
48-5-0010	Mungadal;Murrumbidge River;			Midden	55
48-5-0011	South Bank Murrumbidgee;Mungadal;			Midden	55
48-5-0013	North Bank Murrumbidgee;Waradgery;			Midden	55
48-5-0014	North Bank Murrumbidgee;Tongul;			Midden	55
48-5-0015	North Bank Murrumbidgee;			Midden	55
48-5-0016	North Bank Murrumbidgee;			Midden	55
48-5-0017	North Bank Murrumbidgee;			Midden	55
48-5-0018	North Bank Murrumbidgee;			Midden	55
48-5-0019	Benduck;			Midden	55
48-5-0021	D-B#21;Booroorban;	McIntyre, S.	11/09/89	Open Camp Site	55
48-5-0022	D-B#22;Boorooban;	George, I.	11/09/89	Open Camp Site	55
48-5-0024	River Farm 1;	Martin, S.	04/11/90	Midden	55
48-5-0024	River Farm 1;	Martin, S.	04/11/90	Open Camp Site	55
48-5-0028	TOOG 34-36;TOOGIMBIE;	Littleton, J.;Baulch,	02/11/00	Open Camp Site	55

		L.			
48-5-0029	TOOG 39;Toogimbie;	Littleton, J.	02/11/00	Open Camp Site	55
48-5-0030	TOOG 42-49;TOOGIMBIE;	Littleton, J.;Baulch, L.	02/11/01	Burial/s	55
48-5-0030	TOOG 42-49;TOOGIMBIE;	Littleton, J.;Baulch, L.	02/11/01	Mound (Oven)	55
48-5-0030	TOOG 42-49;TOOGIMBIE;	Littleton, J.;Baulch, L.	02/11/01	Open Camp Site	55
48-5-0031	TOOG 47;TOOGIMBIE;	Littleton, J.;Baulch, L.	02/11/00	Open Camp Site	55
48-5-0032	TOOG 48;TOOGIMBIE;	Littleton, J.;Baulch, L.	02/12/00	Open Camp Site	55
48-6-0001	Gum Creek;			Mound (Oven)	55
48-6-0002	Mulberrygong;Mul 2;			Open Camp Site	55
48-6-0003	Lyre Barry;LB 1;			Open Camp Site	55
48-6-0004	Gum Creek Tank;GCT 1;			Open Camp Site	55
48-6-0005	Lyre Barry;LB 2;			Open Camp Site	55
48-6-0006	Mulberrygong;Mul 1;			Open Camp Site	55
48-6-0007	Wahwoon;Wah 1;			Open Camp Site	55
49-1-0001	Tarnook;Palmyra Tank;			Mound (Oven)	55
49-1-0002	Wyvern;Wyvern 1;			Open Camp Site	55
49-1-0003	Dare Road Dune Site Benerembah Channel;	Witter, D.	02/07/90	Open Camp Site	55
49-4-0012	The Dry Lake;H.DP:S2;Darlington Point;	Witter, D.	10/15/86	Open Camp Site	55
49-4-0013	Box Creek;H-DP:S1;	Witter, D.	10/12/86	Open Camp Site	55
49-4-0026	GOP-HS-1 Gundaline Old Pines Paddock	Kelton, J.	01/22/03	Open Camp Site	55
49-4-0030	GWR-HS-1 Gundaline West Rays Paddock	Kelton, J.	01/20/03	Open Camp Site	55
49-4-0034	GM-HS-2 Gundaline Martins Paddock	Kelton, J.	01/21/03	Open Camp Site	55
49-4-0035	GM-HS-1 Gundaline Martins Paddock	Kelton, J.	01/21/03	Open Camp Site	55
49-4-0037	GWR-HS-2 Gundaline	Kelton, J.	01/20/03	Open Camp Site	55

49-4-0038	G-OS-1 Gundaline	Kelton, J.	07/02/02	Open Camp Site	55
49-4-0039	G-HS-5	Kelton, J.	07/03/02	Open Camp Site	55
49-4-0040	G-HS-4	Kelton, J.	07/02/02	Open Camp Site	55
49-4-0041	G-HS-3	Kelton, J.	07/02/02	Open Camp Site	55
49-4-0042	G-HS-2	Kelton, J.	07/02/02	Open Camp Site	55
49-4-0043	G-HS-1	Kelton, J.	06/30/02	Open Camp Site	55
49-4-0048	G-OS-2	Kelton, J.	07/03/02	Open Camp Site	55
49-4-0049	G-OS-2	Kelton, J.	07/03/02	Open Camp Site	55
49-4-0050	G-OS-3	Kelton, J.	07/02/02	Open Camp Site	55
41-6-0009	Old Gunbar 1;	Gollan, K.	02/16/86	Open Camp Site	55

Table7.2.1: Distribution of Archaeological Material and Minor Landforms

Major Landform	Minor landform	Mound	Ashy deposit	Midden	Ovens	Artefacts	Burials
Murrumbidgee River East	Levee	common		common	common	Low density	
	Billabong levee	common			common	rare	
	Backswamp	rare			rare		
	Edge of floodplain	rare			common	Low density	
	Floodplain high	rare			rare	rare	
	Floodplain creek levee	rare			rare	rare	
Murrumbidgee River Hay	Levee	common		common	common	Low density	Small clusters
	Billabong levee	common			common		
	Backswamp	rare			rare		
	Edge of floodplain	rare			common		
	Floodplain high	rare			rare		
	Floodplain creek	rare			rare		
Lowbidgee	Levee	common		common	common	common	common
	Billabong levee	common			common	common	
	Backswamp	common					
	Edge of floodplain	common			common	common	common
	Floodplain high	common			common	common	common
	Distributary levee	common					common
	Palaeochannel levee	common			common	common	common
Lachlan river	River Levee	common	common	common	common	common	common
	Billabong levee	?	?	?	?	?	?
	Backswamp	common					
	Edge of floodplain	rare					
	Floodplain high						
	Lake inlet creek levee	common	common			common	
	Open Lake lunette					common	common
	Palaeochannel levee	rare			common	common	

Table 7.2.2

Major Landform	Minor landform	Mounds	Middens	Ovens	Artefacts	Burials
The Hay Plain North West	Swamp edge	small	none	rare	Low density	rare
	Source bordering dune	none	none	common	common	common
	Palaeochannel levee & creek	small	none	rare	rare	none
The Hay Plain North-East	Palaeochannel levee	none	none	common	common	rare
	Swamp lunette	none	none	common	common	none
	Source bordering dune	none	none	common	common	none
Hay Plain South East	Swamp lunette	none	none	common	common	rare
	Palaeochannel levee	rare	none	common	common	rare
	'spring'	small	none	common	common	rare
Hay Plain South West	Lake lunette	common	none	none	common	common
	Lake edge	common	none	none	common	common
	Swamp edge	common	none	none	common	common
	Palaeochannel levee	common	none	none	common	common
	Raised palaeochannel Ridge beside swamps	common	none	common	common	common

Table 7.2.3 Mound and Ashy Deposit Surface Contents

SITE COMPLEX	SITE TYPE	MUSSEL	FISH	YABBIE	BIRD	RODENT	SMALL MARSUPIAL	LARGE MARSUPIAL	EMU
TCHELERY 1-7	MOUND	X	X	X	X	X	X	X	X
TCHELERY H.S.1-4	MOUND	X	X	X	X	X	X	X	X
DRY LAKE 1-10	MOUND	X	X	X	X	X		X	
KERRI EAST 10	MOUND	X			X				X
KERRI EAST 5	MOUND	X	X	X	X	X	X	X	
LINTOSS SWAMP	MOUND	X	X	X	X	X		X	
BALDON 4	MOUND	X		X	X		X	X	
BALDON 3	MOUND	X			X	X	X	X	X
JERALY S. 2	MOUND	X	X	X	X	X	X	X	
ILLIWARA	MOUND	X							
GRE GRE 1	MOUND	X							
ITA LAKE 2	ASHY DEPOSIT	X	X	X	X		X	X	
MCFARLANES SF 2	ASHY DEPOSIT	X		X	X		X	X	

SURVEY UNIT	LAND ZONE	LAND UNIT	LANDFORM	SOIL TYPE	VEGETATION	SIZE	EXPOS.	VISIB.	BG	SITE TYPES	WINDOWS
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WINDOW NO.	GPS LOCATION	SIZE	MOUNDS	OVENS	BURIALS	HISTORIC	GRIND. EQ.	STONE TYPE	BONE TOOLS	FAUNAL	EXPOS.	VISIB.	BG
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WINDOW	SAMPLE NO.	AREA M	GPS E			RECORDER:..........................DATE..............NOTES..				
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NO.	MATERIAL	L	W	T	SQRT	ARTEFACT TYPE	CORTEX	RETOUCH/USE	PLATFORM	TERMINAT.
					L X W	Core, Flake, Block, Tool...	%	scalar/step/cus/U	(F/B &U/BIF)	(F/H/P/A)
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Table 8.1.1 Balme & Beck 1996 data						
MOUND	LENGTH	WIDTH	HEIGHT	W/L	W/T	W/L x W/T
mo 1	12.0	8.00	0.24	0.67	33.33	22.22
sw 1	16.1	15.10	0.28	0.94	53.93	50.58
wi 1	21.0	14.00	0.43	0.67	32.56	21.71
wc 1	70.0	45.00	0.40	0.64	112.50	72.32
wc 2	18.0	15.00	0.30	0.83	50.00	41.67
sw 2	24.3	13.50	0.55	0.56	24.55	13.64
wc 3	9.0	9.00	0.30	1.00	30.00	30.00
sw 3	19.5	17.00	0.38	0.87	44.74	39.00
sw 4	15.3	12.30	0.28	0.80	43.93	35.32
wc 4	14.0	12.00	0.45	0.86	26.67	22.86
sw 5	5.5	5.30	0.40	0.96	13.25	12.77
wc 5	11.8	10.50	0.40	0.89	26.25	23.36
sw 6	6.5	5.50	0.20	0.85	27.50	23.27
wc 6	15.1	12.00	0.37	0.79	32.43	25.77
sw 7	6.7	6.50	0.25	0.97	26.00	25.22
wc 7	16.3	12.00	0.60	0.74	20.00	14.72
sw 8	6.0	4.30	0.20	0.72	21.50	15.41
wc 8	15.0	13.00	0.40	0.87	32.50	28.17
sw 9	14.0	12.30	0.20	0.88	61.50	54.03
wc 9	22.0	17.50	0.40	0.80	43.75	34.80
sw 10	12.0	11.30	0.25	0.94	45.20	42.56
wc 10	13.0	12.00	0.40	0.92	30.00	27.69
sw 11	9.6	6.90	0.15	0.72	46.00	33.24
wc 11	22.0	19.00	0.50	0.86	38.00	32.82
wc 12	6.5	6.50	0.20	1.00	32.50	32.50
sw 12	13.5	11.00	0.30	0.81	36.67	29.88
sw 13	10.0	9.00	0.23	0.90	39.13	35.22
wc 13	15.0	12.00	0.55	0.80	21.82	17.45
14	10.0	9.60	0.30	0.96	32.00	30.72
15	12.7	12.00	0.45	0.94	26.67	25.20
16	13.0	11.20	0.52	0.86	21.54	18.56
17	18.5	15.80	0.63	0.85	25.08	21.42
18	11.9	10.50	0.69	0.88	15.22	13.43
19	16.7	14.30	0.63	0.86	22.70	19.44
20	15.4	13.50	0.52	0.88	25.96	22.76
21	14.6	14.50	0.64	0.99	22.66	22.50
22	12.2	11.80	0.57	0.97	20.70	20.02
23	9.3	7.30	0.60	0.78	12.17	9.55
24	16.6	13.80	0.76	0.83	18.16	15.10
25	10.8	10.20	0.49	0.94	20.82	19.66
26	15.1	13.10	0.47	0.87	27.87	24.18
28	14.7	13.80	0.60	0.94	23.00	21.59
29	13.5	11.00	0.50	0.81	22.00	17.93
30	8.8	8.00	0.37	0.91	21.62	19.66
31	13.0	7.20	0.30	0.55	24.00	13.29
32	13.8	8.50	0.45	0.62	18.89	11.63
33	12.0	8.40	0.50	0.70	16.80	11.76
34	11.6	9.30	0.30	0.80	31.00	24.85
35	11.0	10.00	0.20	0.91	50.00	45.45
36	5.4	3.90	0.15	0.72	26.00	18.78
36	13.4	12.50	0.40	0.93	31.25	29.15
37	25.2	18.00	0.30	0.71	60.00	42.86
38	3.3	2.70	0.25	0.82	10.80	8.84
39	12.0	10.80	0.30	0.90	36.00	32.40
40	9.6	9.45	0.30	0.98	31.50	31.01
41	15.6	14.70	0.35	0.94	42.00	39.58
42	11.6	7.60	0.40	0.66	19.00	12.45
43	7.5	5.70	0.28	0.76	20.36	15.47
44	11.0	10.80	0.35	0.98	30.86	30.30

45	4.5	3.90	0.15	0.87	26.00	22.53	
46	8.0	8.00	0.40	1.00	20.00	20.00	
47	7.1	6.70	0.35	0.94	19.14	18.06	
mean	13.7	11.23	0.39			25.94	
median	13.0	11.00	0.40				
mode	12.0	12.00	0.40				
Bonhomme 1990 data						Edmonds & Long 1998	
L	W	T	w/L	W/T	W/L x W/T	L	W
12.00	12.00	0.50	1.00	24.00	24.00	16.00	14.00
12.00	10.00	0.50	0.83	20.00	16.67	18.50	18.00
17.00	10.00	0.50	0.59	20.00	11.76	16.00	14.00
30.00	25.00	0.50	0.83	50.00	41.67	17.70	17.00
20.00	18.00	0.60	0.90	30.00	27.00	43.00	30.00
16.00	13.00	0.30	0.81	43.33	35.21	34.00	27.00
28.00	21.00	0.40	0.75	52.50	39.38	37.00	28.00
25.00	21.00	0.40	0.84	52.50	44.10	17.00	16.00
25.00	25.00	0.40	1.00	62.50	62.50	12.20	11.20
25.00	23.00	0.40	0.92	57.50	52.90	18.00	17.80
7.00	5.60	0.10	0.80	56.00	44.80	16.80	14.40
9.60	9.60	0.20	1.00	48.00	48.00	20.00	16.00
10.40	8.40	0.50	0.81	16.80	13.57	16.70	15.90
8.00	6.00	0.20	0.75	30.00	22.50	14.40	13.10
12.00	10.00	0.30	0.83	33.33	27.78	16.80	14.40
13.00	12.00	0.25	0.92	48.00	44.31	18.40	13.10
34.60	33.00	0.70	0.95	47.14	44.96	16.80	14.40
33.60	32.30	0.50	0.96	64.60	62.10	18.40	14.30
15.20	6.40	0.68	0.42	9.41	3.96	13.00	7.00
13.00	9.00	0.50	0.69	18.00	12.46	15.20	15.00
8.00	7.20	0.40	0.90	18.00	16.20	15.30	14.70
14.50	14.00	0.50	0.97	28.00	27.03	14.90	11.70
14.00	13.00	0.60	0.93	21.67	20.12	11.00	8.00
12.00	8.00	0.30	0.67	26.67	17.78	12.10	9.50
20.00	13.00	0.60	0.65	21.67	14.08	17.50	8.50
23.00	16.00	0.50	0.70	32.00	22.26	11.00	10.00
10.00	9.00	0.40	0.90	22.50	20.25	16.40	13.70
10.70	9.60	0.40	0.90	24.00	21.53	14.20	13.20
10.00	9.00	0.25	0.90	36.00	32.40	75.00	50.00
12.50	11.00	0.40	0.88	27.50	24.20	25.00	20.00
10.50	10.50	0.40	1.00	26.25	26.25	12.10	10.20
18.00	14.00	0.50	0.78	28.00	21.78	19.00	10.00
14.00	13.00	0.40	0.93	32.50	30.18	18.00	16.00
13.60	12.00	0.30	0.88	40.00	35.29	5.00	3.00
14.00	10.00	0.40	0.71	25.00	17.86	35.00	20.00
11.00	11.00	0.50	1.00	22.00	22.00	12.00	10.00
11.00	10.00	0.30	0.91	33.33	30.30	10.60	4.00
12.00	10.00	0.30	0.83	33.33	27.78	11.40	10.50
8.00	6.00	0.20	0.75	30.00	22.50	12.70	9.90
10.00	8.00	0.30	0.80	26.67	21.33	13.90	10.50
28.00	25.00	0.60	0.89	41.67	37.20	14.00	12.10
12.20	11.00	0.20	0.90	55.00	49.59	10.90	10.80
13.00	11.40	0.20	0.88	57.00	49.98	6.00	6.00
13.00	10.60	0.20	0.82	53.00	43.22	7.70	7.60
17.50	16.00	0.28	0.91	57.14	52.24	5.90	5.80
12.00	10.00	0.15	0.83	66.67	55.56	9.50	8.40
34.00	29.00	0.70	0.85	41.43	35.34	11.60	8.80
33.00	20.50	0.43	0.62	47.67	29.62	9.50	6.40
15.00	13.00	0.23	0.87	56.52	48.99	9.50	6.90
18.00	17.70	0.30	0.98	59.00	58.02	20.90	16.70
37.40	15.00	0.30	0.40	50.00	20.05	16.00	14.50
12.90	9.60	0.35	0.74	27.43	20.41	10.60	9.10

16.20	10.70	0.25	0.66	42.80	28.27	17.12	13.60
16.20	10.70	0.25	0.66	42.80	28.27	15.15	13.10
19.70	11.30	0.30	0.57	37.67	21.61	16.00	16.00
14.60	14.00	0.30	0.96	46.67	44.75		
15.50	11.60	0.25	0.75	46.40	34.73		
16.69	13.54	0.38			31.73		
14.00	11.30	0.40					
12.00	10.00	0.50					
cooey point lagoon :298:							
Klaver 1995	L	W	T	W/L	W/T	W/L x W/T	
	5.00	5.00					
	16.00	11.00					
	16.00	10.00					
	10.00	10.00					
	18.00	15.00	deflated				
	9.00	7.00	deflated				
	5.00	5.00	deflated				
	11.00	10.00	o				
	8.00	8.00	deflated				
	11.00	8.00	deflated				
	7.00	7.00					
	6.00	6.00					
	10.00	10.00	deflated				
	17.00	9.00					
	16.00	16.00					
	15.00	15.00					
	8.00	8.00	deflated				
	10.00	10.00	deflated				
	8.00	8.00					
	13.00	10.00					
	7.00	7.00	o				
	3.00	3.00	deflated				
	9.00	9.00					
	17.00	17.00	deflated				
	11.00	8.00	deflated				
	3.00	3.00					
	14.00	14.00					
	26.00	21.00	deflated				
	12.00	11.00	deflated				
	18.00	15.00	deflated				
	23.00	8.00					
	14.00	14.00					
	20.00	20.00	deflated				
	6.00	6.00	deflated				
	24.00	21.00	0.80	0.88	26.25	22.97	
	23.00	22.00	0.50	0.96	44.00	42.09	
	11.00	11.00	0.15	1.00	73.33	73.33	
	12.00	9.00	0.30	0.75	30.00	22.50	
	27.00	24.00	0.35	0.89	68.57	60.95	
	18.00	17.00	0.40	0.94	42.50	40.14	
	31.00	27.00	0.30	0.87	90.00	78.39	
	18.00	10.00	0.50	0.56	20.00	11.11	
	8.00	7.00	0.30	0.88	23.33	20.42	
	8.00	8.00	0.10	1.00	80.00	80.00	
	18.00	10.00	0.20	0.56	50.00	27.78	
	9.00	8.00	0.12	0.89	66.67	59.26	
	20.00	20.00	0.30	1.00	66.67	66.67	
	9.00	9.00	0.20	1.00	45.00	45.00	
	11.00	11.00	0.50	1.00	22.00	22.00	
	14.00	12.00	0.30	0.86	40.00	34.29	

mean N=15	16.31	14.13	0.33			44.18	
	16.00						
	18.00						
n=51							
mean	13.26	11.40					
median	11.50	10.00					
mode	18.00	10.00					
Klaver 1995 Uardry data							
L	W	T	W/L	W/T	W/L x W/T		
13.00	12.00	0.10	0.92	120.00	110.8		
16.00	10.00	0.08	0.63	125.00	78.1		
21.00	17.00	0.40	0.81	42.50	34.4		
33.00	16.00	0.20	0.48	80.00	38.8		
8.00	7.00	0.15	0.88	46.67	40.8		
12.00	11.00	0.15	0.92	73.33	67.2		
16.00	14.00	0.08	0.88	175.00	153.1		
8.00	8.00	0.15	1.00	53.33	53.3		
9.00	7.00	0.12	0.78	58.33	45.4		
10.00	8.00	0.12	0.80	66.67	53.3		
17.00	17.00	0.12	1.00	141.67	141.7		
15.00	14.00	0.50	0.93	28.00	26.1		
7.00	6.00	0.12	0.86	50.00	42.9		
4.00	4.00	0.12	1.00	33.33	33.3		
4.00	4.00	0.12	1.00	33.33	33.3		
4.00	4.00	0.12	1.00	33.33	33.3		
4.00	4.00	0.12	1.00	33.33	33.3		
4.00	3.00	0.08	0.75	37.50	28.1		
12.00	10.00	0.13	0.83	76.92	64.1		
6.00	6.00	0.10	1.00	60.00	60.0		
17.00	15.00	0.60	0.88	25.00	22.1		
8.00	8.00	0.14	1.00	57.14	57.1		
19.00	10.00	0.20	0.53	50.00	26.3	n=22	
		0.17			55.5		
11.00	10.00	11.61	9.35				
18.00	15.00						
13.00	9.00						
12.00	10.00						
13.00	12.00						
16.00	10.00						
21.00	17.00						
33.00	16.00						
8.00	7.00						
12.00	11.00						
16.00	14.00						
8.00	8.00						
9.00	7.00						
10.00	8.00						
17.00	17.00						
15.00	14.00						
7.00	6.00						
4.00	4.00						
4.00	4.00						
4.00	4.00						
4.00	4.00						
4.00	3.00						
12.00	10.00						
6.00	6.00						
17.00	15.00						

8.00	8.00						
19.00	10.00						
11.89	9.59	n=26					

Table 8.1.2 Hay Plain SW					
length	width	height	W/L	W/T	W/L x W/T
20.00	17.00	0.20	0.85	85.00	72.25
40.00	37.00	0.50	0.93	74.00	68.45
57.00	52.00	0.80	0.91	65.00	59.30
66.00	45.00	1.21	0.68	37.19	25.36
112.00	70.00	1.50	0.63	46.67	29.17
29.00	28.60	0.45	0.99	63.56	62.68
43.60	35.60	0.70	0.82	50.86	41.53
120.00	60.00	0.40	0.50	150.00	75.00
36.00	36.00	0.30	1.00	120.00	120.00
16.00	16.00	0.20	1.00	80.00	80.00
80.00	45.00	0.50	0.56	90.00	50.63
60.00	30.00	0.50	0.50	60.00	30.00
40.00	30.00	0.30	0.75	100.00	75.00
200.00	100.00	0.90	0.50	111.11	55.56
130.00	80.00	1.86	0.62	43.01	26.47
34.00	18.00	1.01	0.53	17.82	9.44
55.00	45.00	1.32	0.82	34.09	27.89
67.00	35.00	1.25	0.52	28.00	14.63
18.00	18.00	0.80	1.00	22.50	22.50
26.00	20.00	0.40	0.77	50.00	38.46
45.00	45.00	0.30	1.00	150.00	150.00
70.00	53.00	1.00	0.76	53.00	40.13
120.00	107.00	2.50	0.89	42.80	38.16
70.00	60.00	1.00	0.86	60.00	51.43
35.00	35.00	0.70	1.00	50.00	50.00
10.00	10.00	0.30	1.00	33.33	33.33
50.00	50.00	0.60	1.00	83.33	83.33
51.00	49.00	0.60	0.96	81.67	78.46
85.00	75.00	1.25	0.88	60.00	52.94
60.00	60.00	1.00	1.00	60.00	60.00
20.00	18.00	0.30	0.90	60.00	54.00
30.00	29.00	0.50	0.97	58.00	56.07
60.00	45.00	0.50	0.75	90.00	67.50
70.00	69.00	0.70	0.99	98.57	97.16
70.00	52.00	0.40	0.74	130.00	96.57
90.00	75.00	1.40	0.83	53.57	44.64
96.00	92.00	0.80	0.96	115.00	110.21
45.00	45.00	0.75	1.00	60.00	60.00
65.00	65.00	1.00	1.00	65.00	65.00
33.00	30.00	0.50	0.91	60.00	54.55
40.00	40.00	1.00	1.00	40.00	40.00
38.00	37.00	1.00	0.97	37.00	36.03
35.00	35.00	1.00	1.00	35.00	35.00
40.00	20.00	0.80	0.50	25.00	12.50
20.00	20.00	0.50	1.00	40.00	40.00
39.00	39.00	1.00	1.00	39.00	39.00
42.00	38.00	1.00	0.90	38.00	34.38
48.00	47.00	1.20	0.98	39.17	38.35
61.00	50.00	1.20	0.82	41.67	34.15
53.00	48.00	1.20	0.91	40.00	36.23
40.00	31.00	0.60	0.78	51.67	40.04
33.00	29.00	0.50	0.88	58.00	50.97
56.00	56.00	1.00	1.00	56.00	56.00
82.00	58.00	1.20	0.71	48.33	34.19

50.00	43.00	0.80	0.86	53.75	46.23
40.00	29.00	0.50	0.73	58.00	42.05
30.00	30.00	0.80	1.00	37.50	37.50
40.00	40.00	1.00	1.00	40.00	40.00
50.00	50.00	1.00	1.00	50.00	50.00
30.00	30.00	0.40	1.00	75.00	75.00
67.00	67.00	1.00	1.00	67.00	67.00
56.00	43.00	0.75	0.77	57.33	44.02
80.00	35.00	1.50	0.44	23.33	10.21
110.00	86.00	1.00	0.78	86.00	67.24
12.00	12.00	0.50	1.00	24.00	24.00
54.00	46.00	0.70	0.85	65.71	55.98
70.00	70.00	1.00	1.00	70.00	70.00
40.00	40.00	1.00	1.00	40.00	40.00
21.00	20.00	1.00	0.95	20.00	19.05
50.00	50.00	0.75	1.00	66.67	66.67
50.00	36.00	0.50	0.72	72.00	51.84
11.50	7.50	0.30	0.65	25.00	16.30
44.00	38.00	1.20	0.86	31.67	27.35
80.00	70.00	1.50	0.88	46.67	40.83
18.00	14.00	0.75	0.78	18.67	14.52
40.00	35.00	0.50	0.88	70.00	61.25
60.00	55.00	0.75	0.92	73.33	67.22
20.00	20.00	0.40	1.00	50.00	50.00
45.00	30.00	0.60	0.67	50.00	33.33
20.00	15.00	0.30	0.75	50.00	37.50
53.00	43.02	0.81			50.12
Lowbidgee					
28.00	25.00	0.31	0.89	80.65	72.00
34.00	32.00	0.20	0.94	160.00	150.59
30.00	27.00	0.90	0.90	30.00	27.00
55.00	40.00	0.74	0.73	54.05	39.31
43.00	35.00	0.80	0.81	43.75	35.61
32.00	30.00	0.25	0.94	120.00	112.50
33.00	24.00	0.25	0.73	96.00	69.82
55.00	53.00	0.69	0.96	76.81	74.02
40.00	39.00	0.24	0.98	162.50	158.44
11.00	10.00	0.10	0.91	100.00	90.91
18.00	14.00	0.15	0.78	93.33	72.59
38.00	37.00	0.33	0.97	112.12	109.17
20.00	20.00	0.25	1.00	80.00	80.00
26.00	24.00	0.30	0.92	80.00	73.85
23.00	23.00	0.20	1.00	115.00	115.00
35.00	33.00	0.50	0.94	66.00	62.23
30.00	24.00	0.30	0.80	80.00	64.00
6.00	6.00	0.10	1.00	60.00	60.00
13.00	12.00	0.50	0.92	24.00	22.15
15.00	15.00	0.30	1.00	50.00	50.00
25.00	25.00	0.30	1.00	83.33	83.33
16.00	15.00	0.15	0.94	100.00	93.75
80.00	73.00	0.50	0.91	146.00	133.23
50.00	47.00	0.70	0.94	67.14	63.11
62.00	43.00	0.50	0.69	86.00	59.65
57.00	38.00	0.60	0.67	63.33	42.22
76.00	62.00	1.20	0.82	51.67	42.15
34.00	25.00	0.75	0.74	33.33	24.51
50.00	48.00	0.50	0.96	96.00	92.16
13.00	13.00	0.15	1.00	86.67	86.67
15.00	10.00	0.15	0.67	66.67	44.44

13.00	3.00	0.15	0.23	20.00	4.62
11.00	10.00	0.15	0.91	66.67	60.61
13.00	13.00	0.20	1.00	65.00	65.00
20.00	20.00	0.30	1.00	66.67	66.67
20.00	20.00	0.50	1.00	40.00	40.00
31.67	27.44	0.39			70.59
Murrum east					
35.00	10.00	0.30	0.29	33.33	9.52
8.00	8.00	0.25	1.00	32.00	32.00
3.00	3.00	0.05	1.00	60.00	60.00
5.00	4.00	0.20	0.80	20.00	16.00
17.00	5.00	0.30	0.29	16.67	4.90
13.00	13.00	0.25	1.00	52.00	52.00
8.00	8.00	0.30	1.00	26.67	26.67
1.50	1.50	0.15	1.00	10.00	10.00
8.00	8.00	0.30	1.00	26.67	26.67
6.00	4.00	0.10	0.67	40.00	26.67
8.00	8.00	0.15	1.00	53.33	53.33
7.00	7.00	0.15	1.00	46.67	46.67
24.00	21.00	0.80	0.88	26.25	22.97
23.00	22.00	0.50	0.96	44.00	42.09
11.00	11.00	0.15	1.00	73.33	73.33
12.00	9.00	0.30	0.75	30.00	22.50
27.00	24.00	0.35	0.89	68.57	60.95
18.00	17.00	0.40	0.94	42.50	40.14
31.00	27.00	0.30	0.87	90.00	78.39
18.00	10.00	0.50	0.56	20.00	11.11
8.00	7.00	0.30	0.88	23.33	20.42
8.00	8.00	0.10	1.00	80.00	80.00
18.00	10.00	0.20	0.56	50.00	27.78
9.00	8.00	0.12	0.89	66.67	59.26
20.00	20.00	0.30	1.00	66.67	66.67
9.00	9.00	0.20	1.00	45.00	45.00
11.00	11.00	0.50	1.00	22.00	22.00
14.00	12.00	0.30	0.86	40.00	34.29
13.00	12.00	0.10	0.92	120.00	110.8
16.00	10.00	0.08	0.63	125.00	78.1
21.00	17.00	0.40	0.81	42.50	34.4
33.00	16.00	0.20	0.48	80.00	38.8
8.00	7.00	0.15	0.88	46.67	40.8
12.00	11.00	0.15	0.92	73.33	67.2
16.00	14.00	0.08	0.88	175.00	153.1
8.00	8.00	0.15	1.00	53.33	53.3
9.00	7.00	0.12	0.78	58.33	45.4
10.00	8.00	0.12	0.80	66.67	53.3
17.00	17.00	0.12	1.00	141.67	141.7
15.00	14.00	0.50	0.93	28.00	26.1
7.00	6.00	0.12	0.86	50.00	42.9
4.00	4.00	0.12	1.00	33.33	33.3
4.00	4.00	0.12	1.00	33.33	33.3
4.00	4.00	0.12	1.00	33.33	33.3
4.00	4.00	0.12	1.00	33.33	33.3
4.00	3.00	0.08	0.75	37.50	28.1
12.00	10.00	0.13	0.83	76.92	64.1
6.00	6.00	0.10	1.00	60.00	60.0
17.00	15.00	0.60	0.88	25.00	22.1
8.00	8.00	0.14	1.00	57.14	57.1
19.00	10.00	0.20	0.53	50.00	26.3
12.70	10.21	0.23			50.87

Hay Plain NW					
15.00	12.00	0.20	0.02	12.00	48.00
10.00	10.00	0.10	0.01	10.00	100.00
15.00	15.00	0.30	0.02	15.00	50.00
5.00	5.00	0.05	0.01	5.00	100.00
20.00	20.00	0.50	0.03	20.00	40.00
20.00	20.00	0.50	0.03	20.00	40.00
10.00	10.00	0.50	0.05	10.00	20.00
8.00	8.00	0.20	0.03	8.00	40.00
10.00	10.00	0.20	0.02	10.00	50.00
10.00	10.00	0.30	0.03	10.00	33.33
20.00	15.00	0.30	0.02	15.00	37.50
6.00	6.00	0.05	0.01	6.00	120.00
15.00	10.00	0.20	0.02	10.00	33.33
15.00	12.00	0.50	0.04	12.00	19.20
10.00	10.00	0.60	0.06	10.00	16.67
5.00	5.00	0.10	0.02	5.00	50.00
30.00	20.00	0.30	0.02	20.00	44.44
20.00	15.00	0.30	0.02	15.00	37.50
15.00	8.00	0.20	0.03	8.00	21.33
3.00	3.00	0.05	0.02	3.00	60.00
20.00	20.00	0.50	0.03	20.00	40.00
10.00	10.00	0.20	0.02	10.00	50.00
8.00	8.00	0.30	0.04	8.00	26.67
15.00	15.00	0.30	0.02	15.00	50.00
10.00	10.00	0.50	0.05	10.00	20.00
15.00	10.00	0.30	0.03	10.00	22.22
20.00	20.00	0.30	0.02	20.00	66.67
9.00	9.00	0.05	0.01	9.00	180.00
9.00	9.00	0.10	0.01	9.00	90.00
9.00	9.00	0.10	0.01	9.00	90.00
8.00	8.00	0.05	0.01	8.00	160.00
6.00	6.00	0.05	0.01	6.00	120.00
5.00	5.00	0.03	0.01	5.00	166.67
14.00	13.00	0.15	0.01	13.00	80.48
5.00	5.00	0.05	0.01	5.00	100.00
4.00	4.00	0.03	0.01	4.00	133.33
13.00	13.00	0.65	0.05	13.00	20.00
13.00	11.00	0.30	0.03	11.00	31.03
6.00	6.00	0.05	0.01	6.00	120.00
11.82	10.64	0.24			64.83

APPENDIX 8.2 LANGUAGE GROUP BOUNDARIES

i. Mathi Mathi

The earliest records indicate that Mathi Mathi was a relatively small group focussed around the bottom of the Murrumbidgee near the junction of the Murrumbidgee and Murray. The Wathi Wathi were immediately to the north along the Murrumbidgee and taking in Yanga Lake and Tala Lake, meeting near the present day town of Balranald. It is probable that these two groups with almost identical languages amalgamated in the historic period to form one group based at Balranald and stations in the area, and now known as Mathi Mathi or Muthi Muthi (Martin 2000b).

One of the earliest and most detailed records of the groups around the lower Murrumbidgee and Murray comes from George Augustus Robinson, the Chief Protector of the Port Phillip (Victorian) Aborigines. In 1846 he travelled to Swan Hill, across to the Wakool and Edwards rivers, to Lake Yanga near current day Balranald, Lake Tala to the north-east of Balranald, back down the Murrumbidgee and along the Murray to Mt Dispersion near Euston, and on down the Murray to its mouth. Robinson's journal entry of the 1/6/1846 says of Lake Tala and Lake Yanga:

> The natives of these lakes are called the Watte Watte. The Mutte Mutte are lower down by the junction of the Murrumbidgee [with the Murray]. Watty Watty and Mutte Mutte same language, difference in name. Mutte Mutte and Watte Watte is the negative of the language, ie. no. Waradjure is spoken to the junction of the Lachlan. The Tar.te Tar.te tribe at Benane below junction of Murrumbidgee. Tin.ne Tin.ne [at] junction Edward. Kine.ne. Kine.ne [at] junction of Murrumbidgee with Murray. Tribe at Gunbower are the Baraber Baraber. Chy Chy at Hog's speaks Kine.ne Kine.ne. Moroobilic and Moyerer billik at Wool Shed. Chy Chy [at] Hog's language is Kini Kini, extend up Wakool. (Clark 2000:31).

Robinson's 1846 expedition report for the same time records:

> The natives of Tala were an assemblage of tribes, the males of the locality were forty, those of Garngher [Yanga] one hundred and twenty; the lake natives are designated Watte Watte, the junction of the Murrumbidgee [with the Murray] Mutte Mutte and Kinene Kinene: Wayradgere is understood at the Lachlan; at Benarne are the Tarte Tarte and on the Murray Tindinne, Bareber Bareber the Edward and Wakool 'Eunungung' are the reed natives. Myal are those belonging to the bush who use the boomerang (Clark 2000:31).

The entry for the following day (2/5/1846) adds:

> Walked round the lake [Tala] ... went through the camp about 300 natives altogether, men, women, and children, very civil. Walgerre, Tala, Yanga, and other blacks present. Saw women fishing for shells... (Clark:32);

The Walgerre mentioned above refers to Lake Waljeers on the Lachlan downstream from Booligal. Robinson's information confirmed that of Mitchell's Wiradjuri speaking guide Piper in 1836, who had implied that there was a distinct change in language below the junction of the Lachlan and Murrumbidgee. To Piper, the people below the junction spoke 'Irish' and he could only communicate with them through another Wiradjuri who was living there and understood this very different language (Mitchell 1839:Vol II:77). Piper could easily talk with the people at Lake Waljeers and further down the Lachlan, but this may have

been because the Yita Yita spoke Wiradjuri as well as their own language, as they were surrounded on two sides by Wiradjuri and the related Ngiyampaa- Wangaaypuwan language speakers. Robinson said that Wiradjuri was spoken as far down the Lachlan as its junction with the Murrumbidgee, however he did not actually visit the Lachlan.

The missionary Goodwin travelling in 1854 also placed the Mathi Mathi near the junction of the Murrumbidgee and Murray:

> I find the natives most numerous between the junction of the Murrumbidgee with the Murray, and the South Australian boundary...At the junction of the Murrumbidgee ... is the Muttee Muttee tribe, numbering from 100 to 150 individuals. Next the Taatee Taatee tribe 200 to 250, the Kulkyne tribe about 150, and a tribe on or near the boundary about 100. The first four tribes occupy both sides of the river, but at and below the junction of the Darling the north bank of the Murray is occupied by the Junction blacks, the Ana Branch blacks, the Lake Victoria and the Rufus blacks, each tribe numbering from 100 to 200 individuals ... (Goodwin in Massola 1970).

A.L.P Cameron said that the Mathi Mathi were located in between the Ta-Tathi on the west and the Wathi Wathi on the east and did not cross the Murray. The Wathi-Wathi were located from about Balranald to the junction of the Lachlan with the Murrumbidgee where they joined the Ithi Ithi [Yita Yita](Cameron 1899a). He also said that adjoining the Wiradjuri in order down the Murrumbidgee and then the Murray were the 'Ithi-ithi, Wathi-wathi, Muthi-muthi, Ta-tathi, and Keramin. These tribes spoke different languages, but a man of any one of them usually speaks two or three, and understands more'. His main informant was Makogo from the Wathi Wathi (Cameron 1885). In 1905 Cameron states that the Muthi Muthi joined the Ta-tattie in the west and the Wathi Wathi on the east. He disagrees with R. H. Mathews and says they did not cross the Murray except at the invitation of the N'Gerget people (1905:6). Cameron describes the Wathi Wathi as 'a small tribe extending from about Balranald to the junction of the Lachlan, and occupying both sides of the Murrumbidgee. They joined the Eetha Eetha [Yita Yita] on the east and the Buraburaba on the south' (1905:6).

Mathews (1902) states that between Swan Hill and Wentworth 'are several small tribes, such as the Watti-watti, Latyu-latyu, Muti -muti, Nyerri-nyerri, Darti-darti and some others'.

Stone (1911) gives the language of the Lake Boga people (to the south of the Murray near Swan Hill) as Wamba [Wemba Wemba]. He lists names for groups surrounding this area, including Moorta Moorta at Reedy Lake to the east of Lake Boga. Tindale (1974) accepted this as a valid variation of Mathi Mathi and said this is part of their territory. However, Reedy Lake is separated from Mathi Mathi by numerous groups and is not likely to have been Mathi Mathi at all. On Tindale's map Mathi Mathi do not go anywhere near Reedy Lake, perhaps because Tindale did not know the location of this lake.
Radcliffe Brown described Waka Waka or Wakaua as occupying the area on the Murray 'about the junction of the Murrumbidgee' (A. R. Brown 1918: 249-250). 'Mati-mati, or Mataua, from its word for 'No' (mati), formerly occupied a part of the Murrumbidgee above the Waka-waka' (ibid.). He also supplied a generalised map. In his later publication Radcliffe Brown included the Kerinma [Keramin], Laitju-Laitju, Tati-Tati, Waka-Waka, Mati-Mati, Wati-Wati, Wamba-Wamba and Baraba-Baraba under the umbrella of Wati-Wati type social organization. He stated that these tribes on the Murray River and some way up the Murrumbidgee were named in most instances by the reduplication of the word 'No', and that some of them and possibly all of them had matrilineal moieties Makwara and Kilpara (same as Paakantyi). At least some of these groups had the Makwara and Kilpara further divided

into 'matrilineal totemic clans', and Brown's analysis of Cameron's work led him to strongly suggest that the kinship system was of the Aranda Type (Radcliffe Brown 1930:226).
Beveridge, who was living near Swan Hill from 1845 until 1868, gave only a general description of the people living from Moama to Wentworth including the Baraba Baraba, the Watty Watty, the Waiky Waiky, the Litchy Litchy, and the Darty Darty, and the Yairy Yairy tribes (Beveridge 1883).
R. H. Mathews recorded a myth describing the formation of the rocky bar across the river about four kilometres below Balranald. He was told the story by Wathi Wathi people, which possibly suggests that the area was Wathi Wathi (Mathews 1908).
Crown Lands Commissioner MacDonald reported from Euston in 1850 that the Murray, Murrumbidgee and Lachlan people stayed on the river frontages while a group called the Barreti who spoke the Darling River language inhabited the mallee country in between these rivers and the Darling. Hercus (1989) shows that the Barreti are the Paakantyi dialect group Paarintyi or scrub people. This indicates that the Mathi Mathi and Wathi Wathi did not use country too far from the Murrumbidgee.

ii. Yita Yita and Nari Nari

While at Lake Tala i n 1846 Robinson did not mention the Yita Yita, but pointed out that a different language, Wiradjuri, was spoken on the Lachlan, and also mentioned that people from Walgerre, probably Lake Waljeers, were visiting Lake Tala (Clark 2000). Lake Waljeers may have been either Yita Yita or Wiradjuri, as it is near the boundary of these two groups, but according to Cameron was Yita Yita.
Cameron (1899a) said the Ithi Ithi [Yita Yita] were located at the junction of the Lachlan with the Murrumbidgee where they joined the Wathi Wathi. Cameron (1885) said the Ithi Ithi were between the Wiradjuri and Wathi-wathi. Cameron 1905 is more specific and says the Eetha Eetha or Ithi Ithi 'occupied country along both sides of the Lachlan, but principally on the north, from Booligal to the junction of the Murrumbidgee' (Cameron 1905:7).
Mathews (1902) said that the Itha-itha [Yita Yita] met on their south-west the Watti-watti, Latyu-latyu, Muti -muti, Nyerri-nyerri, Darti-darti .

Linguistic analysis by Luise Hercus of language collected in 1860 indicated that the Yita Yita language was found at Tin Tin north-west of Balranald, Prungle further to the west, and two places north west from Prungle (Hercus 1989). We can also add the name of Ita Lake on the southern bank of the Lachlan just east of Oxley. This lake is likely to have been named after Yita Yita people (or conversely, the people may have been named after the lake, which is an exceptionally large and ecologically diverse feature for this area). Place names for the Lower Lachlan between Oxley and Booligal also indicate that this area was Yita Yita and not Ngiyampaa or Wiradjuri:

- Tellan Gerran [now spelt Thelangerin] -the Bunyip's camp or home
- Loocooroonook – Deep Water. The name of a deep waterhole in the Lachlan where the Bunyip lived
- Corrong-nook[now just Corrong] – Cold Water...cold deep water hole in the Lachlan River [a sign of the rainbow serpent] (Anon. 1903:206)

These words probably all have the same root for cold/deep, and the last two have the Yita Yita word for water – ***nook*** or ***nguk-*** which is derived from the Paakantyi ***nguku*** rather than the Ngiyampaa/Wiradjuri ***kali*** word for water (Hercus 1998).

The Kirby family history indicates that Nari Nari were located to the south of Oxley on the Lachlan, and Yita Yita mainly on the northern side. The apical ancestors of the Kirby family are Clara Walters who was born near Oxley on the north side of the river and was known as Yita Yita of the nai nai or curlew meat, and Jerry Kirby who was born at Juanbong five miles south of Oxley on the east bank of the river and was Nari Nari of the eaglehawk meat (Charlie Kirby interview with Tindale 1938). However, Juanbong is not located in this position on current maps. Jerry was born in the 1840's soon after the initial pastoral annexation of the area, and Clara was born in the 1860's (Tindale 1938 and Death Certificates). The Births, Deaths & Marriages information supports the close association of Jerry and Clara with Oxley on the lower Lachlan River. According to his Death Certificate Jerry was born in approximately 1842 at Tourong Station, County Waljeers. This name is not on the current map as a station, but the parish of Toorong is immediately downstream from Oxley, and County Waljeers includes Oxley and some distance either side and heading upstream to Lake Waljeers between Oxley and Booligal. Jerry died in 1920 at Gum Point, Oxley, and was buried on Geramy Station which is on the downstream side of Oxley (DC). This accords with family oral history recorded in the Donaldson 1996 where Len (Bashie) Kirby says that his grandfather Jerry was buried at Oxley under a tree which was marked by Charlie Kirby. Jerry and Clara were married in approximately 1875 at Tupra Station, Oxley, (Jerry's DC), which is currently situated about 6 km upstream from Oxley. Juanbong is shown on the Balranald Shire map as being immediately downstream from Oxley, thus the locations of Geramy, Juanbong and Tourong were probably originally all the same station on the downstream side of Oxley. Other evidence form the location of Yita Yita includes Charlie Kirby's well known and often published quote 'I'm a Yita Yita black and I come from the Lachlan where they talk backwards' (referring to the fact that Yita Yita was markedly different language to its neighbours), and the few Yita Yita words he recorded (Hercus 1989, Donaldson 1996).
Charlie Kirby also gave information to other people who visited Menindee Mission. Stanner's (1934) information probably came from Charlie Kirby as he was the only one from this country at Menindee (Martin 2000b, 2001). This information was rather sweeping but indicated that the line between Booligal and Hay was the boundary between Wiradjuri and Yita Yita. Other Yita Yita boundaries included Paakantyi to the west and north, Wongaibon (Ngiyampaa) to the north, and Wiradjuri to the east and northeast. Stanner's informant described Yita Yita, Mathi Mathi, Wathi Wathi and Nari Nari as 'mixed', presumably describing an historic period amalgamation of these groups. John Park (1934), also writing from Menindee, added that Nari Nari were found along the Murrumbidgee from Narrandera [too far east] to about the Lachlan-Murrumbidgee junction and south towards the Edwards River. The Baraba occupied the country between the Edwards and Murray Rivers.

Cameron (1885:347) said that the ' Wathi-wathi tribe is also called Narinari', and in 1905 he does not list Nari Nari in his description of tribes of the area (Cameron 1905). However, they seem to be two different groups as discussed by Tindale (1974), which belong to different sub-groups of the 'Kulin' language (Hercus 1989).

iii. PeRepa PeRepa & Wemba Wemba

PerepaPerepa is a Kulin language closely related to Wemba Wemba and Nari Nari, but these languages differ substantially from the Wathi Wathi-Mathi Mathi group of Kulin.
The boundary evidence indicates that the PerepaPerepa occupied a part of the Hay Plain in the Tchelery-Dry Lake- Booroorban areas. The PerepaPerepa occupied land from Mathoura between Deniliquin and Moama on the south to Jerilderie or Narandera (sic) on the east, to Moulamein, and Dry Lake/Tchelery(Howitt 1996 [1904]).

Tindale (1974) defined a boundary between the Wiradjuri and the PerepaPerepa running from Gunbower in the southeast through Conargo to Coleambally, west to Eurolie and southwest to beyond Kerang. Cameron states that the 'Buraburaba' is located along the north bank of the Murray and included Denilquin and Moulamein. He suggests they have the same social organization as the Wiradjuri, but admits he knows 'very little about them' (Cameron 1905:8).

Place names collected from 'an intelligent tracker from the Deniliquin district of the Barabwick(h)a tribe' also indicate the boundary of the PerepaPerepa as including Deniliquin, part of the Wakool, Moulamein, Barratta, Wanganella, Warbreccan, Boonook, plus other less well known names. Tchelery and Kerri Kerri on the Hay Plain are also included, Tchelery meaning gum on Boree trees (*Acacia pendula*), and Kerri Kerri a hawk (Norris 1899). WembaWemba is located on the western side of the PerepaPerepa, and Robinson also includes a small group Kine Kine to the west of Wemba Wemba, which he describes as located on the Murrumbidgee-Murray junction next to Mathi Mathi (Robinson in Clark 2000:31). Robinson also refers to 'Tin.ne Tin.ne [at] junction Edward' which were probably Wemba Wemba.

iv. ***Wiradjuri***

Cameron (1899b) said that Ngiyampaa occupy Mossgiel and Ivanhoe and that Wiradjuri occupied Booligal on the Lachlan, swinging up to Orange or Bathurst, a point 50-60 miles north of Condobolin to Narrandera on the Murrumbidgee (Cameron 1905:3). According to Mathews, the Murrumbidgee River between Jugiong and Hay was occupied by the southern portion of the Wiradjuri language group, who extended to the Murray. Mathews mentioned that this southern group of Wiradjuri differed in some respects from the northern group (Mathews 1897:112).

Howitt named the Wiradjuri about Narrandera as the prickly lizard (*narrandera*) group. He also said the Wiradjuri were bounded to the south-west by the Baraba-Baraba [PeRepa PeRepa] (Howitt 1904). Tindale (1974) placed the Nari Nari to the west of the Wiradjuri, and situates the boundary between Carrathool and Hay

Appendix 8.3 Landscape Stories

ii. How the Nankeen makes the Reeds grow *(Yitha-yitha story)* (Mathews 1908)

> The Nankeen crane, called by the natives *Warwollee*, is a nocturnal bird of a dull reddish colour, and spends the day sitting among the branches of trees bounding waterholes and lagoons. When the Murrumbidgee River is in high flood in the summer months, and the waters spread out on either side over the low-lying lands and swamps, *Warwollee* is in great glee and utters his discordant calls during the evening at frequent intervals. The aborigines believe that the rapid growth and great height of some reeds, due to the warmth of the sun upon the flooded lands, is caused by the noise made by these birds. In prehistoric times, *Warwollee* was a great magician and went about among the swamps and other moist places where reeds grow, stretching them upward by pulling them with his bill. The joints which we see in reeds and rushes were caused by *Warwollee*, and indicate the places where he used to catch them, when hauling them higher and higher out of the ground.

iii. How the People got Fire and Origin of the Treeless Plains –(*Wathi Wati/Nari Nari story*).

> ... the earth was originally peopled by a race much more powerful, especially in the arts magic ...The Wathi Wathi call them Bookoomuri
>
> Two Bookoomuri, Korambin (a water rat) and Pandawinda (codfish), were the sole possessors of fire, which they jealously guarded in an open space among the reed-beds of the Murray River.
>
> Many efforts were made by other Bookoomuri, and by the present race, to obtain a spark of it, but without success, till one day Karigari (a hawk), who of course had originally been a Bookoomuri, discovered Koorambin and Pandawinda in the act of cooking mussels, which they had obtained from the river. He flew up to such a height that they could not see him, and then caused a strong wind to blow the fire among the dry reeds. This was, however, extinguished. He then sent a wind from the opposite direction, and eventually a whirlywind, which scattered the fire in every direction, causing a conflagration which set the whole of the reed-beds on fire, and extending to the forests, laid waste large tracts of country, upon which trees have never since grown, so that where there were once forests we find now immense bare plains (Cameron 1885:368)

iv. Bustards of the Great Yam Plains –(*Wemba Wemba*) (Beveridge 1865:23-24)

> ...a wicked old bustard, who lived before the sun shone on the earth, and who used to kill and feed upon his own species, dwelling upon the margin of a nice plain, where delicious yams grew in abundance, and to which plain bustards used to come from all quarters to feed upon the milky roots... At last two young bustards...returned home just when the bustards where at their wit's end...laid their wise heads together ... they were to get, if possible, on to the great yam plains unperceived by the wicked old bird. One was to hide in the tall yam stalks, and the other was to pretend to feed, and afterwards to sleep...at a signal they were to fall upon him and slay him... they succeeded...they suddenly soared away...and became the two stars that always point to the southern cross...and gratitude is to them as the fragrance of the myall is to the nostrils of the yam feeding bustards .

v. The Nankeen Crane and the Crow (J.E. Miller from Alf Morgan in 1905 for R.H. Mathews). Miller describes Morgan as 'an old [man] who came from near

Moama, whose native name is Mootarin of the Botowra tribe, he says his language is Uta Uta [Yota Yota]and his animal the ground goanna'. The Nankeen's name was Tarmah. The Crow's name was Tungemah.

In the old times the Nankeen Crane who was then a blackfellow was a fisherman and lived about lagoons and swamps. He was a very bad fellow and killed a great many other blackfellows. Up to the time he was visited by the Crow, who was then also a blackfellow, the Nankeen had never been beaten or outwitted by any other blackfellow, he was a very cunning fellow. On the edge of one of the lagoons where the Nankeen lived was a large hollow log, the log was in the water one end a few feet from edge and the other end further out in deeper water and nearly covered. The water ran through the hollow of the log. This place was a great haunt of the Nankeen, fish used to swim into this log. Whenever the Nankeen was visited by another blackfellow, or could induce another blackfellow to this spot he used to point out to him the fish in the log and get him to go into the log at the end nearest the bank and pass through ostensibly to drive the fish out so that the Nankeen standing on the end of the log furtherest in the water could spear the fish as it passed out at the end, but he used to allow the fish to go and as the blackfellow passed out at the end of the log speared him in the back as the black fellow invariably crawled through the log and out at the end face downwards. Nankeen killed a great many blackfellows in this way. The other blacks did not know what had become of those who had gone to the lagoon and disappeared. A blackfellow would often go to the lagoon to get mussels, or crayfish or to dig for 'yelkur' or 'yelkah', a weed or vegetable which grew in the water and had a tuber like a small turnip at the bottom. So many of the blackfellows who were known to have gone to the lagoon were missing that the other blacks became very suspicious of the Nankeen and suspected he had something to do with their disappearance.

The Crow was a very clever fellow and the other blacks placed great reliance in him. They told him about so many blackfellows having gone to the lagoon and being missing and asked him to go down to the lagoon and see Nankeen and endeavour to ascertain what had become of their mates. The Crow readily agreed to comply with their request, he got his jag-spear and went to the lagoon he saw Nankeen and had a yarn with him. After yarning for a time Nankeen said to the Crow 'there's a big fish in that log" pointing to the hollow log previously described "if you will go in and hunt him out I will stand on the end of the log and spear him as he comes out", Crow said "you go in and hunt him out and I'll spear him", Nankeen said , "no you might miss him, you had better go into the log", Crow said "alright I'll go in". Crow suspected some trick and made up his mind to be on his guard. Retaining his jag-spear he entered the log at the end nearest the edge of the water going in face downwards, there was a catfish in the log which swam out when he (Crow) entered and he noticed that it went right out at the end of the log without being speared. Crow then turned face upwards and passed thus through the rest of the log. On emerging at the other end he saw through the water Nankeen standing on the end of the log, he saw him raise his spear and drive it through it through the water at his breast, the Crow turned his body quickly and threw out one arm allowing the spear to pass between his ribs and his arm and then closed his arm on it. The Nankeen felt the spear quiver and remain fast as if it had struck Crow's body and he believed he had speared Crow, he drew him right out of the log with his spear and through the water to the bank or edge of the lagoon. When Crow found he was on the edge of the water he sprang up with his jag-spear which he still held he speared Nankeen, who was in front of him, in the back of the head, and Nankeen fell forward dead. The Crow left his jag-spear in the Nankeen's head, and the jag-spear is the long white feather all Nankeen Cranes have in the back of their heads to this day.

The Nankeen Crane frequents lagoons, billabongs or swamps at the present day, and can often be seen on logs watching for crawfish and shrimps, if he cannot see any about the log he turns his head on one side and allows the long white feather on the back of his head to dip into the water, the feather attracts the crawfish and they seize the feather and

when the Nankeen feels that the crawfish has taken a grip he gently lifts the feather by turning his head and raising it and as the crawfish reaches the surface hanging on to the feather he seizes it with his bill (letter to R. H. Mathews from J. E. Miller, 9th Oct 1905).

vi. Origin of the Bar in the Murrumbidgee River at Balranald - *(Wathi-Wathi)* (Mathews 1908). This is recorded in the AHIMS register from oral history as a fish trap.

About two miles below the town of Balranald, there is a low rocky bar across the bed of the Murrumbidgee River, which is only visible in dry weather when the stream is low. The aboriginal name of this bar is *Bangonjee-butthu*. Its formation is accounted for by the following native legend. A large tribe of blacks were camped on the edge of a sandhill in the locality, and one hot summer afternoon a number of little boys went into the river for a bathe, and all of them got drowned. The river was in partial flood at the time and the bodies were not recovered; but in the course of some months, when the water subsided, the bar became visible, and the natives believed that it was composed of the bodies of their children.

vii. The Eaglehawk at Lake Yanga – (*Mathi Mathi/Wathi Wathi*)

This story is a version of the widespread Eaglehawk and Crow story. In this the Eaglehawk punishes the Crow for breaking laws by burning him, and then spearing and drowning him. The crow returned as a bird, grew feathers and was black, his eyes were white from the smoke of the fire. This happened at a small lake between the Wakool and Yanga Lake, Balranald. The Eaglehawk used to camp in a huge tree by Yanga Lake, and stole a child from the caps there. He put the child high up in the tree, but the child was rescued by the Brown Tree Creeper who dropped his fire stick into the pipe of the tree. The tree burnt down and fell into the lake, and is now seen as the ridge that divides the lake in two when the water is low (Hercus 1971:137).

viii. The Rainbow Serpent on the Lachlan. Several recorded Yita Yita words from the Lower Lachlan near Oxley indicate that the deep waterholes were home to the 'bunyip' or rainbow serpent (Anon. 1903:206):

- Tellan Gerran (Thelangerin) -the Bunyip's camp or home
- Loocooroonook – Deep Water. The name of a deep waterhole in the Lachlan where the Bunyip lived
- Corrong-nook – Cold Water...cold deep water hole in the Lachlan River (a sign of the rainbow serpent)