

NERDDC / SENRAC RESEARCH PROJECT

**Origin, Evolution and Controls of Permian  
Reservoir Sandstones in the Southern Cooper  
Basin, South Australia**

**APPENDICES**

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National Centre for Petroleum Geology & Geophysics (NCPGG)/  
Department of Geology & Geophysics

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# NERDDC PROJECT 1175:

## APPENDIX A: SAMPLE INDEX

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The Appendix lists the core and ditch samples collected during the 1987-1991 research phase of NERDDC project 1175. Each sample was numbered, enabling identification of well name, depth, sample type, stratigraphic interval, and principal analyst(s). All depth listings refer to driller's depth.

The following abbreviations are in use for identifying the principal analyst(s) responsible for sample collection and processing:

AS	Alan Sansome (Honours)
AT	Allan Thomas (Masters)
DA	David Alsop (Masters)
JE	John Eleftheriou (Masters)
JSR	Jörg Schulz-Rojahn (Ph.D.)
NL	Nick Lemon (NCPGG staff)
SP	Sally Phillips (NCPGG staff)

All research results are stored at the National Centre for Petroleum Geology & Geophysics (NCPGG), Adelaide, and are available for inspection. Results from laboratory analyses have been summarised into a Dbase III Plus database, available on request from the NCPGG.

Sample Number	Well Name	Depth (ft. dr.)	Sample Type	Formation	Analyst
CB-0001	Big Lake-3	8235'	Core	Epsilon	SP
CB-0002	Big Lake-3	8248' 6"	Core	Epsilon	SP
CB-0003	Big Lake-3	8251'	Core	Epsilon	SP
CB-0004	Big Lake-3	8257' 4"	Core	Epsilon	SP
CB-0005	Big Lake-3	8265' 10"	Core	Epsilon	SP
CB-0006	Big Lake-3	8270' 6"	Core	Epsilon	SP
CB-0007	Big Lake-3	8274' 10"	Core	Epsilon	SP
CB-0008	Big Lake-3	9860' 6"	Core	Patchawarra	SP
CB-0009	Kirby-1	8935'	Core	Toolachee	JSR
CB-0010	Kirby-1	8939'	Core	Toolachee	JSR
CB-0011	Kirby-1	8945'	Core	Toolachee	JSR
CB-0012	Kirby-1	8949'	Core	Toolachee	JSR
CB-0013	Kirby-1	8953' 6"	Core	Toolachee	JSR
CB-0014	Kirby-1	8959'	Core	Toolachee	JSR
CB-0015	Kirby-1	9703'	Core	Epsilon	JSR
CB-0016	Kirby-1	9714' 3"	Core	Epsilon	JSR
CB-0017	Kirby-1	9718' 3"	Core	Epsilon	JSR
CB-0018	Kirby-1	9730' 10"	Core	Epsilon	JSR
CB-0019	Big Lake-31	9492'	Core	Patchawarra	SP
CB-0020	Big Lake-31	9500'	Core	Patchawarra	SP
CB-0021	Big Lake-31	9505'	Core	Patchawarra	SP
CB-0022	Big Lake-31	9961' 4"	Core	Tirrawarra	SP
CB-0023	Big Lake-31	9989' 3"	Core	Tirrawarra	SP
CB-0024	Big Lake-31	10195'	Core	Tirrawarra	SP
CB-0025	Big Lake-31	10206' 6"	Core	Tirrawarra	SP
CB-0026	Big Lake-31	10221' 6"	Core	Tirrawarra	SP
CB-0027	Big Lake-27	9146' 6"	Core	Patchawarra	SP
CB-0028	Big Lake-27	9154'	Core	Patchawarra	SP
CB-0029	Big Lake-27	9156' 9"	Core	Patchawarra	SP
CB-0030	Big Lake-27	9492' 6"	Core	Tirrawarra	SP
CB-0031	Big Lake-27	9494'	Core	Tirrawarra	SP
CB-0032	Big Lake-27	9500'	Core	Tirrawarra	SP
CB-0033	Big Lake-27	9504' 2"	Core	Tirrawarra	SP
CB-0034	Big Lake-27	9505' 2"	Core	Tirrawarra	SP
CB-0035	Burley-1	8791' 1"	Core	Toolachee	JSR
CB-0036	Burley-1	8794' 7"	Core	Toolachee	JSR
CB-0037	Burley-1	8799' 5"	Core	Toolachee	JSR
CB-0038	Burley-1	8807'	Core	Toolachee	JSR
CB-0039	Burley-1	8815' 10"	Core	Toolachee	JSR
CB-0040	Burley-1	8850' 9"	Core	Toolachee	JSR
CB-0041	Burley-1	8864' 11"	Core	Toolachee	JSR
CB-0042	Burley-1	8867' 1"	Core	Toolachee	JSR
CB-0043	Burley-1	8875' 10"	Core	Toolachee	JSR
CB-0044	Burley-1	11952' 2"	Core	Merrimelia	JSR
CB-0045	Burley-1	11955' 8"	Core	Merrimelia	JSR

CB-0046	Burley-1	11956' 2"	Core	Merrimelia	JSR
CB-0047	Burley-1	11957'	Core	Merrimelia	JSR
CB-0048	Burley-1	11961'	Core	Merrimelia	JSR
CB-0049	Burley-1	11968' 8"	Core	Merrimelia	JSR
CB-0050	Burley-1	11972' 10"	Core	Merrimelia	JSR
CB-0051	Burley-2	9197' 11"	Core	Toolachee	JSR/SP
CB-0052	Burley-2	9218' 2"	Core	Toolachee	JSR/SP
CB-0053	Burley-2	9224' 4"	Core	Toolachee	JSR/SP
CB-0054	Burley-2	10204' 3"	Core	Epsilon	JSR/SP
CB-0055	Burley-2	10205' 9"	Core	Epsilon	JSR/SP
CB-0056	Burley-2	10208' 9"	Core	Epsilon	JSR/SP
CB-0057	Burley-2	10211' 2"	Core	Epsilon	JSR/SP
CB-0058	Burley-2	11383' 6"	Core	Patchawarra	JSR/SP
CB-0059	Burley-2	11401' 8"	Core	Patchawarra	JSR/SP
CB-0060	Kirby-1	9717'	Core	Epsilon	JSR
CB-0061	Big Lake-3	8232' 9"	Core	Epsilon	SP
CB-0062	Big Lake-3	8241' 8"	Core	Epsilon	SP
CB-0063	Big Lake-31	9480' 9"	Core	Turr. Congl.	SP
CB-0064	Big Lake-5	9399' 10"	Core	Turr. Congl.	SP
CB-0065	Big Lake-5	9401' 4"	Core	Turr. Congl.	SP
CB-0066	Big Lake-5	9407'	Core	Turr. Congl.	SP
CB-0067	Big Lake-5	9411' 2"	Core	Turr. Congl.	SP
CB-0068	Big Lake-5	9415' 7"	Core	Turr. Congl.	SP
CB-0069	Big Lake-5	9417' 5"	Core	Turr. Congl.	SP
CB-0070	Big Lake-5	9417' 10"	Core	Turr. Congl.	SP
CB-0071	Big Lake-5	9427'	Core	Turr. Congl.	SP
CB-0072	Big Lake-5	9429'	Core	Turr. Congl.	SP
CB-0073	Big Lake-5	9430'	Core	Turr. Congl.	SP
CB-0074	Big Lake-29	9325'	Core	Patchawarra	SP
CB-0075	Big Lake-29	9661' 8"	Core	Turr. Congl.	SP
CB-0076	Big Lake-29	9664' 2"	Core	Turr. Congl.	SP
CB-0077	Big Lake-29	9666'	Core	Turr. Congl.	SP
CB-0078	Big Lake-34	9326' 6"	Core	Patchawarra	SP
CB-0079	Big Lake-34	9339' 2"	Core	Patchawarra	SP
CB-0080	Big Lake-35	9208' 6"	Core	Patchawarra	SP
CB-0081	Big Lake-35	9217' 3"	Core	Patchawarra	SP
CB-0082	Big Lake-35	9227'	Core	Patchawarra	SP
CB-0083	Della-3	6638' 10"	Core	Toolachee	JSR
CB-0084	Della-3	6644' 6"	Core	Toolachee	JSR
CB-0085	Della-3	6653' 3"	Core	Toolachee	JSR
CB-0086	Della-3	6657' 3"	Core	Toolachee	JSR
CB-0087	Della-3	6681' 11"	Core	Toolachee	JSR
CB-0088	Della-3	6682' 3"	Core	Toolachee	JSR
CB-0089	Della-3	6683' 5"	Core	Toolachee	JSR
CB-0090	Della-3	6688' 2"	Core	Toolachee	JSR
CB-0091	Della-3	6690' 3"	Core	Toolachee	JSR
CB-0092	Della-3	6697' 11"	Core	Toolachee	JSR
CB-0093	Della-3	6698' 9"	Core	Toolachee	JSR
CB-0094	Della-3	6706' 9"	Core	Toolachee	JSR



CB-0095	Della-3	6712' 4"	Core	Toolachee	JSR
CB-0096	Della-3	6712' 9"	Core	Toolachee	JSR
CB-0097	Della-3	6723'	Core	Toolachee	JSR
CB-0098	Della-3	6732' 10"	Core	Toolachee	JSR
CB-0099	Yapeni-1	6839' 3"	Core	Epsilon	JSR
CB-0100	Yapeni-1	6840' 7"	Core	Epsilon	JSR
CB-0101	Yapeni-1	6848' 6"	Core	Epsilon	JSR
CB-0102	Yapeni-1	6851' 3"	Core	Epsilon	JSR
CB-0103	Pando-2	5807'	Core	Epsilon	JSR
CB-0104	Pando-2	5814' 10"	Core	Epsilon	JSR
CB-0105	Pando-2	5819' 11"	Core	Epsilon	JSR
CB-0106	Murteree-C1	6093' 10"	Core	Toolachee	JSR
CB-0107	Murteree-C1	6095' 5"	Core	Toolachee	JSR
CB-0108	Murteree-C1	6098' 4"	Core	Toolachee	JSR
CB-0109	Murteree-C1	6116' 4"	Core	Toolachee	JSR
CB-0110	Lake Hope-1	6683' 6"	Core	Epsilon	JSR
CB-0111	Lake Hope-1	6693' 8"	Core	Epsilon	JSR
CB-0112	Lake Hope-1	6694' 9"	Core	Epsilon	JSR
CB-0113	Big Lake-1	7645'	Core	Toolachee	SP
CB-0114	Big Lake-1	7650'	Core	Toolachee	SP
CB-0115	Big Lake-1	7659'	Core	Toolachee	SP
CB-0116	Big Lake-1	7669'	Core	Toolachee	SP
CB-0117	Big Lake-1	7687' 6"	Core	Toolachee	SP
CB-0118	Big Lake-1	7702'	Core	Toolachee	SP
CB-0119	Big Lake-1	7707'	Core	Toolachee	SP
CB-0120	Big Lake-1	7709' 6"	Core	Toolachee	SP
CB-0121	Big Lake-1	7713' 9"	Core	Toolachee	SP
CB-0122	Big Lake-1	7724'	Core	Toolachee	SP
CB-0123	Big Lake-1	7730'	Core	Toolachee	SP
CB-0124	Big Lake-1	7738' 6"	Core	Toolachee	SP
CB-0125	Big Lake-1	7741'	Core	Toolachee	SP
CB-0126	Big Lake-1	7744' 6"	Core	Toolachee	SP
CB-0127	Big Lake-1	7751' 6"	Core	Toolachee	SP
CB-0128	Big Lake-1	7754'	Core	Toolachee	SP
CB-0129	Big Lake-1	7758' 10"	Core	Toolachee	SP
CB-0130	Big Lake-1	7768' 11"	Core	Toolachee	SP
CB-0131	Big Lake-1	7771' 6"	Core	Toolachee	SP
CB-0132	Big Lake-1	7774'	Core	Toolachee	SP
CB-0133	Big Lake-1	7794'	Core	Toolachee	SP
CB-0134	Big Lake-1	7798'	Core	Toolachee	SP
CB-0135	Big Lake-1	7808' 2"	Core	Toolachee	SP
CB-0136	Big Lake-1	8605' 7"	Core	Epsilon	SP
CB-0137	Big Lake-1	8613' 8"	Core	Epsilon	SP
CB-0138	Big Lake-1	8632'	Core	Epsilon	SP
CB-0139	Big Lake-1	8640'	Core	Epsilon	SP
CB-0140	Pando North-1	6102'	Core	Epsilon	JSR
CB-0141	Pando North-1	6107' 6"	Core	Epsilon	JSR
CB-0142	Pando North-1	6114' 10"	Core	Epsilon	JSR
CB-0143	Pando North-1	6118' 2"	Core	Epsilon	JSR

CB-0144	Big Lake-2	7457'	Core	Toolachee	SP
CB-0145	Big Lake-2	7470' 2"	Core	Toolachee	SP
CB-0146	Big Lake-2	7476' 10"	Core	Toolachee	SP
CB-0147	Big Lake-2	7483' 2"	Core	Toolachee	SP
CB-0148	Big Lake-2	7484' 7"	Core	Toolachee	SP
CB-0149	Big Lake-2	7489' 6"	Core	Toolachee	SP
CB-0150	Big Lake-2	7562'	Core	Toolachee	SP
CB-0151	Big Lake-2	7569' 5"	Core	Toolachee	SP
CB-0152	Big Lake-2	7580' 1"	Core	Toolachee	SP
CB-0153	Big Lake-2	7595'	Core	Toolachee	SP
CB-0154	Big Lake-2	7607'	Core	Toolachee	SP
CB-0155	Big Lake-2	7615' 8"	Core	Toolachee	SP
CB-0156	Big Lake-2	7618' 8"	Core	Toolachee	SP
CB-0157	Big Lake-2	7630' 3"	Core	Toolachee	SP
CB-0158	Big Lake-2	7647' 8"	Core	Toolachee	SP
CB-0159	Big Lake-2	7659' 1"	Core	Toolachee	SP
CB-0160	Big Lake-2	7672' 1"	Core	Toolachee	SP
CB-0161	Big Lake-2	7682'	Core	Toolachee	SP
CB-0162	Toolachee-3	7345' 3"	Core	Patchawarra	DA
CB-0163	Toolachee-3	7380' 5"	Core	Patchawarra	DA
CB-0164	Toolachee-3	7396'	Core	Patchawarra	DA
CB-0165	Toolachee-3	7410' 7"	Core	Patchawarra	DA
CB-0166	Toolachee-3	7418' 6"	Core	Patchawarra	DA
CB-0167	Toolachee-3	7428'	Core	Patchawarra	DA
CB-0168	Toolachee-3	7437' 9"	Core	Patchawarra	DA
CB-0169	Toolachee-3	7438' 3"	Core	Patchawarra	DA
CB-0170	Toolachee-3	7442' 5"	Core	Patchawarra	DA
CB-0171	Toolachee-3	7445' 6"	Core	Patchawarra	DA
CB-0172	Toolachee-3	7457' 3"	Core	Patchawarra	DA
CB-0173	Toolachee-3	7461' 4"	Core	Patchawarra	DA
CB-0174	Wanoocha-1	5815'	Core	Epsilon	JSR
CB-0175	Wanoocha-1	5818' 2"	Core	Epsilon	JSR
CB-0176	Wanoocha-1	5818' 5"	Core	Epsilon	JSR
CB-0177	Wanoocha-1	5838' 5"	Core	Epsilon	JSR
CB-0178	Wanoocha-1	5841' 7.5"	Core	Epsilon	JSR
CB-0179	Wanoocha-1	6179' 2.5"	Core	Patchawarra	JSR
CB-0180	Wanoocha-1	6200' 11"	Core	Patchawarra	JSR
CB-0181	Wanoocha-1	6216' 8"	Core	Patchawarra	JSR
CB-0182	Wanoocha-1	6218' 5"	Core	Patchawarra	JSR
CB-0183	Dullingari-1	6905' 9"	Core	Toolachee	JSR
CB-0184	Dullingari-1	6910' 11"	Core	Toolachee	JSR
CB-0185	Dullingari-1	77205' 3"	Core	Toolachee	JSR
CB-0186	Murteree-1	593' 11"	Core	Toolachee	JSR
CB-0187	Murteree-1	593' 3"	Core	Toolachee	JSR
CB-0188	Murteree-1	593' 4"	Core	Toolachee	JSR
CB-0189	Murteree-1	596' 3"	Core	Toolachee	JSR
CB-0190	Murteree-1	596' 9"	Core	Toolachee	JSR
CB-0191	Murteree-1	5978' 7.5"	Core	Toolachee	JSR
CB-0192	Murteree-1	5981' 9.5"	Core	Toolachee	JSR

CB-0193	Boxwood-1	5687' 5"	Core	Epsilon	JSR
CB-0194	Boxwood-1	5691' 3"	Core	Epsilon	JSR
CB-0195	Tarwonga-2	7306'	Core	Epsilon	JSR
CB-0196	Tarwonga-2	7324'	Core	Epsilon	JSR
CB-0197	Tarwonga-2	7330' 5"	Core	Epsilon	JSR
CB-0198	Dirkala-2	6196' 10"	Core	Epsilon	JSR
CB-0199	Dirkala-2	6201' 11"	Core	Epsilon	JSR
CB-0200	Dirkala-2	6213' 6.5"	Core	Epsilon	JSR
CB-0201	Moomba-6	8258' 2"	Core	Toolachee	AT
CB-0202	Moomba-6	8267' 4"	Core	Toolachee	AT
CB-0203	Moomba-6	8287' 4"	Core	Toolachee	AT
CB-0204	Moomba-6	8315' 10"	Core	Daralingie	AT
CB-0205	Moomba-6	8339' 4"	Core	Daralingie	AT
CB-0206	Moomba-6	8340' 7"	Core	Daralingie	AT
CB-0207	Moomba-6	8355' 9"	Core	Daralingie	AT
CB-0208	Moomba-6	8356' 6"	Core	Daralingie	AT
CB-0209	Moomba-6	8357' 1"	Core	Daralingie	AT
CB-0210	Moomba-6	8370'	Core	Daralingie	AT
CB-0211	Moomba-6	8386'	Core	Daralingie	AT
CB-0212	Daralingie-1	6369' 2"	Core	Toolachee	SP
CB-0213	Daralingie-1	6376' 6"	Core	Toolachee	SP
CB-0214	Daralingie-1	6381' 5"	Core	Toolachee	SP
CB-0215	Daralingie-1	6389' 6"	Core	Toolachee	SP
CB-0216	Daralingie-1	6394' 6"	Core	Toolachee	SP
CB-0217	Daralingie-1	6400' 2"	Core	Toolachee	SP
CB-0218	Daralingie-1	6405' 9"	Core	Toolachee	SP
CB-0219	Daralingie-1	6410'	Core	Toolachee	SP
CB-0220	Daralingie-1	6410' 10"	Core	Toolachee	SP
CB-0221	Daralingie-1	6416'	Core	Toolachee	SP
CB-0222	Daralingie-1	6424' 2"	Core	Toolachee	SP
CB-0223	Daralingie-1	6432' 9"	Core	Toolachee	SP
CB-0224	Daralingie-1	6437' 6"	Core	Toolachee	SP
CB-0225	Daralingie-1	6442' 9"	Core	Toolachee	SP
CB-0226	Daralingie-1	6464' 8"	Core	Toolachee	SP
CB-0227	Daralingie-19	7426' 1"	Core	Patchawarra	AS
CB-0228	Daralingie-19	7428' 4"	Core	Patchawarra	AS
CB-0229	Daralingie-19	7433'	Core	Patchawarra	AS
CB-0230	Daralingie-19	7434' 4.5"	Core	Patchawarra	AS
CB-0231	Daralingie-22	7449' 7"	Core	Patchawarra	AS
CB-0232	Daralingie-22	7462' 7"	Core	Patchawarra	AS
CB-0233	Daralingie-22	7464' 10.5"	Core	Patchawarra	AS
CB-0234	Kerna-1	7664' 3"	Core	Epsilon	JSR
CB-0235	Kerna-1	7671' 7.5"	Core	Epsilon	JSR
CB-0236	Kerna-1	7683' 11"	Core	Epsilon	JSR
CB-0237	Kerna-1	7686' 9.5"	Core	Epsilon	JSR
CB-0238	Kerna-1	7689' 3.5"	Core	Epsilon	JSR
CB-0239	Kerna-1	7691' 8"	Core	Epsilon	JSR
CB-0240	Coochilara-1	7553' 2"	Core	Epsilon	JSR
CB-0241	Coochilara-1	7555' 11"	Core	Epsilon	JSR

CB-0242	Moomba-6	8058	5'	Core	Toolachee	AT
CB-0243	Moomba-6	8065	6'	Core	Toolachee	AT
CB-0244	Moomba-6	8068		Core	Toolachee	AT
CB-0245	Moomba-6	8071	5'	Core	Toolachee	AT
CB-0246	Moomba-6	8078		Core	Toolachee	AT
CB-0247	Moomba-6	8078	1'	Core	Toolachee	AT
CB-0248	Moomba-6	8084	4'	Core	Toolachee	AT
CB-0249	Moomba-6	8099	7'	Core	Toolachee	AT
CB-0250	Moomba-6	8107		Core	Toolachee	AT
CB-0251	Moomba-6	8114	2'	Core	Toolachee	AT
CB-0252	Moomba-6	8152		Core	Toolachee	AT
CB-0253	Moomba-6	8154		Core	Toolachee	AT
CB-0254	Moomba-6	8155	6'	Core	Toolachee	AT
CB-0255	Moomba-6	8161	6'	Core	Toolachee	AT
CB-0256	Moomba-6	8164	4'	Core	Toolachee	AT
CB-0257	Moomba-6	8177	1'	Core	Toolachee	AT
CB-0258	Moomba-6	8202	9'	Core	Toolachee	AT
CB-0259	Moomba-6	8215	9'	Core	Toolachee	AT
CB-0260	Moomba-6	8221	8'	Core	Toolachee	AT
CB-0261	Moomba-6	8230		Core	Toolachee	AT
CB-0262	Moomba-6	8234	9'	Core	Toolachee	AT
CB-0263	Moomba-6	8236		Core	Toolachee	AT
CB-0264	Moomba-6	8249		Core	Toolachee	AT
CB-0265	Moomba-6	8251	3'	Core	Toolachee	AT
CB-0266	Moomba-6	9026	4'	Core	Patchawarra	AT
CB-0267	Moomba-6	9038	11'	Core	Patchawarra	AT
CB-0268	Moomba-6	9047		Core	Patchawarra	AT
CB-0269	Moomba-6	9056		Core	Patchawarra	AT
CB-0270	Strzelecki-15	6296	6'	Core	Toolachee	JE
CB-0271	Strzelecki-15	6296	11'	Core	Toolachee	JE
CB-0272	Strzelecki-15	6306	4'	Core	Toolachee	JE
CB-0273	Strzelecki-15	6332	11'	Core	Murteree	JE
CB-0274	Strzelecki-15	6281	6'	Core	Toolachee	JE
CB-0275	Mudlalee-1	5874	6'	Core	Toolachee	JSR
CB-0276	Mudlalee-1	5875	11 5'	Core	Toolachee	JSR
CB-0277	Mudlalee-1	5876	5'	Core	Toolachee	JSR
CB-0278	Mudlalee-1	5887	10'	Core	Toolachee	JSR
CB-0279	Mudlalee-1	5899	2 5'	Core	Toolachee	JSR
CB-0280	Spencer-1	6198	2'	Core	Toolachee	JSR
CB-0281	Spencer-1	6207		Core	Toolachee	JSR
CB-0282	Spencer-1	6212	5'	Core	Toolachee	JSR
CB-0283	Spencer-1	6217	11'	Core	Toolachee	JSR
CB-0284	Spencer-1	6222	2 5'	Core	Toolachee	JSR
CB-0285	Spencer-1	6223	8 5'	Core	Toolachee	JSR
CB-0286	Spencer-1	6228	4'	Core	Toolachee	JSR
CB-0287	Strzelecki-16	6235	2'	Core	Toolachee	JE
CB-0288	Strzelecki-16	6249	9'	Core	Toolachee	JE
CB-0289	Strzelecki-16	6252	6'	Core	Toolachee	JE
CB-0290	Strzelecki-16	6273	9'	Core	Toolachee	JE

CB-0291	Strzelecki-5	6066	Core	Toolachee	JE
CB-0292	Strzelecki-5	6080	Core	Toolachee	JE
CB-0293	Strzelecki-5	6090	Core	Toolachee	JE
CB-0294	Strzelecki-2	6122' 8"	Core	Toolachee	JE
CB-0295	Strzelecki-2	6141' 8"	Core	Toolachee	JE
CB-0296	Strzelecki-2	6182' 8"	Core	Toolachee	JE
CB-0297	Strzelecki-10	6227	Core	Toolachee	JE
CB-0298	Strzelecki-10	6336' 10"	Core	Toolachee	JE
CB-0299	Daralingie-9	7286' 6"	Core	Patchawarra	AS
CB-0300	Daralingie-9	7278' 4"	Core	Patchawarra	AS
CB-0301	Daralingie-9	7261' 3"	Core	Patchawarra	AS
CB-0302	Marana-1	6324	Core	Toolachee	JE
CB-0303	Marana-1	6327' 9"	Core	Toolachee	JE
CB-0304	Marana-1	6328	Core	Toolachee	JE
CB-0305	Marana-1	6337	Core	Toolachee	JE
CB-0306	Kidman-1	6601' 3"	Core	Toolachee	JE
CB-0307	Kidman-1	6601' 6"	Core	Toolachee	JE
CB-0308	Kidman-1	6603	Core	Toolachee	JE
CB-0309	Kidman-1	6608' 6"	Core	Toolachee	JE
CB-0310	Kidman-2	6677' 6"	Core	Toolachee	JE
CB-0311	Pira-2	7140' 5"	Core	Toolachee	JE
CB-0312	Pira-2	7158' 9"	Core	Toolachee	JE
CB-0313	Toolachee-3	7198	Core	Patchawarra	DA
CB-0314	Toolachee-3	7204' 11"	Core	Patchawarra	DA
CB-0315	Toolachee-3	7211	Core	Patchawarra	DA
CB-0316	Toolachee-3	7220' 3"	Core	Patchawarra	DA
CB-0317	Toolachee-3	7226' 1"	Core	Patchawarra	DA
CB-0318	Toolachee-3	7232	Core	Patchawarra	DA
CB-0319	Toolachee-3	7244' 7"	Core	Patchawarra	DA
CB-0320	Toolachee-3	7252	Core	Patchawarra	DA
CB-0321	Toolachee-3	7271	Core	Patchawarra	DA
CB-0322	Toolachee-3	7284' 4"	Core	Patchawarra	DA
CB-0323	Toolachee-3	7299	Core	Patchawarra	DA
CB-0324	Toolachee-3	7302	Core	Patchawarra	DA
CB-0325	Toolachee-3	7313' 10"	Core	Patchawarra	DA
CB-0326	Toolachee-3	7327' 3"	Core	Patchawarra	DA
CB-0327	Toolachee-3	7334' 6"	Core	Patchawarra	DA
CB-0328	Toolachee-3	7340	Core	Patchawarra	DA
CB-0329	Kidman-1	7331' 10"	Core	Patchawarra	JE
CB-0330	Kidman-1	7361	Core	Patchawarra	JE
CB-0331	Marabooka-1	6407	Core	Patchawarra	JE
CB-0332	Marabooka-1	6418' 8"	Core	Patchawarra	JE
CB-0333	Marabooka-1	6424' 2"	Core	Patchawarra	JE
CB-0334	Marabooka-1	6429' 10"	Core	Patchawarra	JE
CB-0335	Marabooka-1	6458' 9"	Core	Patchawarra	JE
CB-0336	Marabooka-1	6479' 4"	Core	Patchawarra	JE
CB-0337	Pira-2	8269	Core	Patchawarra	JE
CB-0338	Pira-2	8272' 2"	Core	Patchawarra	JE
CB-0339	Pira-2	8283' 10"	Core	Patchawarra	JE

CB-0340	Pira-2	8283	11'	Core	Patchawarra	JE
CB-0341	Toolachee-1	6491	7'	Core	Epsilon	DA
CB-0342	Toolachee-1	6891	3'	Core	Patchawarra	DA
CB-0343	Toolachee-1	6899	3'	Core	Patchawarra	DA
CB-0344	Toolachee-1	6905		Core	Patchawarra	DA
CB-0345	Toolachee-1	6911		Core	Patchawarra	DA
CB-0346	Toolachee-1	6914	6'	Core	Patchawarra	DA
CB-0347	Toolachee-1	6917	9'	Core	Patchawarra	DA
CB-0348	Toolachee-1	6949	11'	Core	Patchawarra	DA
CB-0349	Toolachee-1	6952	9'	Core	Patchawarra	DA
CB-0350	Toolachee-1	6958	10'	Core	Patchawarra	DA
CB-0351	Toolachee-15	7364	7'	Core	Patchawarra	DA
CB-0352	Toolachee-15	7367	3'	Core	Patchawarra	DA
CB-0353	Toolachee-15	7370	2'	Core	Patchawarra	DA
CB-0354	Toolachee-15	7377		Core	Patchawarra	DA
CB-0355	Toolachee-15	7382	3'	Core	Patchawarra	DA
CB-0356	Moomba-1	7606		Core	Toolachee	AT
CB-0357	Moomba-1	7612	2'	Core	Toolachee	AT
CB-0358	Moomba-1	7623	7'	Core	Toolachee	AT
CB-0359	Moomba-1	7645	7'	Core	Toolachee	AT
CB-0360	Moomba-1	7647	9'	Core	Toolachee	AT
CB-0361	Moomba-1	7805	7'	Core	Toolachee	AT
CB-0362	Moomba-1	7807	7'	Core	Toolachee	AT
CB-0363	Moomba-1	7818		Core	Toolachee	AT
CB-0364	Moomba-1	7831	8'	Core	Toolachee	AT
CB-0365	Moomba-1	7849		Core	Toolachee	AT
CB-0366	Moomba-1	7861	2'	Core	Toolachee	AT
CB-0367	Moomba-1	7891	2'	Core	Toolachee	AT
CB-0368	Moomba-1	7894	10'	Core	Toolachee	AT
CB-0369	Moomba-1	7899	2'	Core	Toolachee	AT
CB-0370	Moomba-1	7931		Core	Toolachee	AT
CB-0371	Moomba-1	7976	2'	Core	Daralingie	AT
CB-0372	Moomba-1	7989	5'	Core	Daralingie	AT
CB-0373	Moomba-1	7998	11'	Core	Daralingie	AT
CB-0374	Moomba-1	8011	6'	Core	Daralingie	AT
CB-0375	Moomba-1	8688	7'	Core	Murteree	AT
CB-0376	Moomba-1	8698	9'	Core	Murteree	AT
CB-0377	Moomba-1	9195	8'	Core	Patchawarra	AT
CB-0378	Moomba-1	9201	8'	Core	Patchawarra	AT
CB-0379	Moomba-1	9212	8'	Core	Patchawarra	AT
CB-0380	Moomba-1	9221	3'	Core	Patchawarra	AT
CB-0381	Moomba-1	9240	3'	Core	Patchawarra	AT
CB-0382	Moomba-6	8029		Core	Toolachee	AT
CB-0383	Toolachee-5	7307	4'	Core	Patchawarra	DA
CB-0384	Toolachee-5	7313		Core	Patchawarra	DA
CB-0385	Toolachee-5	7343		Core	Patchawarra	DA
CB-0386	Toolachee-5	7357	6'	Core	Patchawarra	DA
CB-0387	Toolachee-5	7363		Core	Patchawarra	DA
CB-0388	Toolachee-5	7385	4'	Core	Patchawarra	DA

CB-0389	Toolachee-5	7393	9'	Core	Patchawarra	DA
CB-0390	Moomba-3	7755		Core	Toolachee	AT
CB-0391	Moomba-3	7785	10'	Core	Toolachee	AT
CB-0392	Moomba-3	7880	11	Core	Toolachee	AT
CB-0393	Moomba-3	7892	2'	Core	Toolachee	AT
CB-0394	Moomba-3	7912	9'	Core	Toolachee	AT
CB-0395	Moomba-3	7923		Core	Toolachee	AT
CB-0396	Moomba-3	7924	11'	Core	Toolachee	AT
CB-0397	Moomba-3	7931	8'	Core	Toolachee	AT
CB-0398	Moomba-3	7950	10'	Core	Toolachee	AT
CB-0399	Moomba-3	7967		Core	Toolachee	AT
CB-0400	Moomba-3	7982		Core	Toolachee	AT
CB-0401	Moomba-3	7998	4'	Core	Toolachee	AT
CB-0402	Moomba-3	8007	9'	Core	Toolachee	AT
CB-0403	Moomba-3	8010	10'	Core	Toolachee	AT
CB-0404	Moomba-3	8016	4'	Core	Toolachee	AT
CB-0405	Moomba-3	8045	5'	Core	Daralingie	AT
CB-0406	Moomba-3	8051	3'	Core	Daralingie	AT
CB-0407	Moomba-3	8054		Core	Daralingie	AT
CB-0408	Moomba-3	8084	2'	Core	Daralingie	AT
CB-0409	Moomba-3	8086	9'	Core	Daralingie	AT
CB-0410	Moomba-3	8099	6'	Core	Daralingie	AT
CB-0411	Toolachee-5	7226		Core	Patchawarra	DA
CB-0412	Toolachee-5	7247	3'	Core	Patchawarra	DA
CB-0413	Toolachee-5	7247	8'	Core	Patchawarra	DA
CB-0414	Toolachee-5	7265		Core	Patchawarra	DA
CB-0415	Toolachee-5	7271	9'	Core	Patchawarra	DA
CB-0416	Toolachee-5	7277	3'	Core	Patchawarra	DA
CB-0417	Toolachee-12	7183	5'	Core	Patchawarra	DA
CB-0418	Toolachee-12	7194	4'	Core	Patchawarra	DA
CB-0419	Toolachee-12	7200	2'	Core	Patchawarra	DA
CB-0420	Toolachee-12	7205	2'	Core	Patchawarra	DA
CB-0421	Toolachee-12	7208	3'	Core	Patchawarra	DA
CB-0422	Toolachee-18	7314	6'	Core	Patchawarra	DA
CB-0423	Toolachee-18	7321	4'	Core	Patchawarra	DA
CB-0424	Toolachee-18	7324	4'	Core	Patchawarra	DA
CB-0425	Toolachee-18	7327	3'	Core	Patchawarra	DA
CB-0426	Toolachee-18	7328	10'	Core	Patchawarra	DA
CB-0427	Toolachee-18	7329	1'	Core	Patchawarra	DA
CB-0428	Toolachee-18	7331	7'	Core	Patchawarra	DA
CB-0429	Toolachee-18	7332	6'	Core	Patchawarra	DA
CB-0430	Toolachee-8	7331		Core	Patchawarra	DA
CB-0431	Toolachee-8	7340		Core	Patchawarra	DA
CB-0432	Toolachee-8	7351	8'	Core	Patchawarra	DA
CB-0433	Toolachee-8	7381	9'	Core	Patchawarra	DA
CB-0434	Toolachee-8	7390		Core	Patchawarra	DA
CB-0435	Toolachee-9	7296		Core	Patchawarra	DA
CB-0436	Toolachee-9	7298	10'	Core	Patchawarra	DA
CB-0437	Toolachee-9	7302	9'	Core	Patchawarra	DA



CB-0438	Toolachee-9	7304	5'	Core	Patchawarra	DA
CB-0439	Toolachee-9	7314		Core	Patchawarra	DA
CB-0440	Toolachee-9	7319		Core	Patchawarra	DA
CB-0441	Toolachee-19	7613	2.5'	Core	Patchawarra	DA
CB-0442	Toolachee-19	7619	5'	Core	Patchawarra	DA
CB-0443	Toolachee-19	7626	5'	Core	Patchawarra	DA
CB-0444	Toolachee-19	7630	3'	Core	Patchawarra	DA
CB-0445	Toolachee-19	7637	2.5'	Core	Patchawarra	DA
CB-0446	Toolachee-19	7639	5'	Core	Patchawarra	DA
CB-0447	Toolachee-21	7349	2'	Core	Patchawarra	DA
CB-0448	Toolachee-21	7364	8'	Core	Patchawarra	DA
CB-0449	Toolachee-21	7369	8'	Core	Patchawarra	DA
CB-0450	Toolachee-21	7375		Core	Patchawarra	DA
CB-0451	Moomba-5	8060	3'	Core	Toolachee	AT
CB-0452	Moomba-5	8062		Core	Toolachee	AT
CB-0453	Moomba-5	8080		Core	Toolachee	AT
CB-0454	Moomba-5	8084	6'	Core	Toolachee	AT
CB-0455	Moomba-5	8109	7'	Core	Daralingie	AT
CB-0456	Moomba-5	8226	10'	Core	Daralingie	AT
CB-0457	Moomba-5	8232		Core	Daralingie	AT
CB-0458	Strzelecki-1	6309		Core	Toolachee	JE
CB-0459	Strzelecki-1	6309	10'	Core	Toolachee	JE
CB-0460	Strzelecki-1	6330	6'	Core	Toolachee	JE
CB-0461	Strzelecki-1	6343	6'	Core	Toolachee	JE
CB-0462	Strzelecki-1	6344		Core	Toolachee	JE
CB-0463	Strzelecki-1	6360	5'	Core	Toolachee	JE
CB-0464	Strzelecki-1	6360	8'	Core	Toolachee	JE
CB-0465	Strzelecki-1	6360	11'	Core	Toolachee	JE
CB-0466	Strzelecki-1	6361	4'	Core	Toolachee	JE
CB-0467	Strzelecki-1	6362		Core	Toolachee	JE
CB-0468	Strzelecki-1	6362	6'	Core	Toolachee	JE
CB-0469	Strzelecki-1	6363	6'	Core	Toolachee	JE
CB-0470	Strzelecki-1	6364	3'	Core	Toolachee	JE
CB-0471	Strzelecki-1	6366	2'	Core	Toolachee	JE
CB-0472	Strzelecki-1	6414	6'	Core	Toolachee	JE
CB-0473	Strzelecki-1	6417	1'	Core	Toolachee	JE
CB-0474	Strzelecki-1	6422	8'	Core	Toolachee	JE
CB-0475	Strzelecki-1	6425		Core	Toolachee	JE
CB-0476	Kerna-1	8118	6'	Core	Patchawarra	JE
CB-0477	Kerna-1	8119	10'	Core	Patchawarra	JE
CB-0478	Kerna-1	8121	9'	Core	Patchawarra	JE
CB-0479	Kerna-1	8129		Core	Patchawarra	JE
CB-0480	Kerna-1	8131	4'	Core	Patchawarra	JE
CB-0481	Kerna-1	8131	10'	Core	Patchawarra	JE
CB-0482	Kerna-1	8132	1'	Core	Patchawarra	JE
CB-0483	Dilchee-1	8289	2'	Core	Patchawarra	JE
CB-0484	Dilchee-1	8292		Core	Patchawarra	JE
CB-0485	Dilchee-1	8293	6'	Core	Patchawarra	JE
CB-0486	Dilchee-1	8296		Core	Patchawarra	JE



CB-0487	Dilchee-1	8296'	7"	Core	Patchawarra	JE
CB-0488	Coochilara-1	7981'		Core	Patchawarra	JE
CB-0489	Coochilara-1	7986'	3"	Core	Patchawarra	JE
CB-0490	Coochilara-1	7995'	5"	Core	Patchawarra	JE
CB-0491	Strzelecki-1	6532'	6"	Core	Patchawarra	JE
CB-0492	Strzelecki-1	6535'		Core	Patchawarra	JE
CB-0493	Strzelecki-1	6538'	10"	Core	Patchawarra	JE
CB-0494	Strzelecki-1	6556'	5"	Core	Patchawarra	JE
CB-0495	Strzelecki-1	6562'	11"	Core	Patchawarra	JE
CB-0496	Strzelecki-1	6565'		Core	Patchawarra	JE
CB-0497	Strzelecki-1	6568'		Core	Patchawarra	JE
CB-0498	Strzelecki-1	6571'	4"	Core	Patchawarra	JE
CB-0499	Strzelecki-1	6571'	6"	Core	Patchawarra	JE
CB-0500	Strzelecki-1	6572'	7"	Core	Patchawarra	JE
CB-0501	Strzelecki-1	6573'	4"	Core	Patchawarra	JE
CB-0502	Strzelecki-1	6575'	4"	Core	Patchawarra	JE
CB-0503	Strzelecki-1	6579'	10"	Core	Patchawarra	JE
CB-0504	Strzelecki-1	6584'	1"	Core	Patchawarra	JE
CB-0505	Strzelecki-1	6588'		Core	Patchawarra	JE
CB-0506	Moomba-4	7829'	1"	Core	Toolachee	AT
CB-0507	Moomba-4	7834'	3"	Core	Toolachee	AT
CB-0508	Moomba-4	7888'	10"	Core	Toolachee	AT
CB-0509	Moomba-4	7890'	10"	Core	Toolachee	AT
CB-0510	Moomba-4	7929'		Core	Toolachee	AT
CB-0511	Moomba-4	7936'	11"	Core	Toolachee	AT
CB-0512	Moomba-4	7967'	4"	Core	Toolachee	AT
CB-0513	Moomba-4	7968'	8"	Core	Toolachee	AT
CB-0514	Moomba-4	7991'	1"	Core	Toolachee	AT
CB-0515	Moomba-4	7992'	9"	Core	Toolachee	AT
CB-0516	Moomba-7	8052'	6"	Core	Toolachee	AT
CB-0517	Moomba-7	8059'		Core	Toolachee	AT
CB-0518	Moomba-7	8062'		Core	Toolachee	AT
CB-0519	Moomba-7	8064'		Core	Toolachee	AT
CB-0520	Moomba-7	8078'		Core	Toolachee	AT
CB-0521	Moomba-7	8123'	4"	Core	Toolachee	AT
CB-0522	Moomba-7	8125'		Core	Toolachee	AT
CB-0523	Moomba-7	8156'	6"	Core	Toolachee	AT
CB-0524	Moomba-7	8172'	4"	Core	Toolachee	AT
CB-0525	Moomba-7	8189'		Core	Toolachee	AT
CB-0526	Moomba-7	8191'		Core	Toolachee	AT
CB-0527	Toolachee-6	7355'		Core	Patchawarra	DA
CB-0528	Toolachee-6	7397'		Core	Patchawarra	DA
CB-0529	Toolachee-6	7413'	6"	Core	Patchawarra	DA
CB-0530	Toolachee-6	7420'		Core	Patchawarra	DA
CB-0531	Toolachee-6	7473'	4"	Core	Patchawarra	DA
CB-0532	Toolachee-6	7556'	11"	Core	Patchawarra	DA
CB-0533	Toolachee-6	7589'		Core	Patchawarra	DA
CB-0534	Toolachee-6	7634'		Core	Patchawarra	DA
CB-0535	Toolachee-6	7638'		Core	Patchawarra	DA

CB-0536	Toolachee-6	7641	2'	Core	Patchawarra	DA
CB-0537	Moomba-8	7766	4'	Core	Toolachee	DA
CB-0538	Moomba-8	7774	3'	Core	Toolachee	AT
CB-0539	Moomba-8	7781	3'	Core	Toolachee	AT
CB-0540	Moomba-8	7800	10'	Core	Toolachee	AT
CB-0541	Moomba-8	7811	3'	Core	Toolachee	AT
CB-0542	Moomba-8	7822		Core	Toolachee	AT
CB-0543	Moomba-8	7850		Core	Toolachee	AT
CB-0544	Moomba-8	7867	6'	Core	Toolachee	AT
CB-0545	Moomba-8	7882	3'	Core	Daralingie	AT
CB-0546	Moomba-8	7890		Core	Daralingie	AT
CB-0547	Moomba-8	7913	6'	Core	Daralingie	AT
CB-0548	Moomba-8	7918	6'	Core	Daralingie	AT
CB-0549	Moomba-8	7941	2'	Core	Daralingie	AT
CB-0550	Toolachee-1	6051		Core	Toolachee	DA
CB-0551	Toolachee-1	6056		Core	Toolachee	DA
CB-0552	Toolachee-1	6063		Core	Toolachee	DA
CB-0553	Toolachee-1	6071	8'	Core	Toolachee	DA
CB-0554	Toolachee-1	6484	1'	Core	Epsilon	DA
CB-0555	Toolachee-34	6874	8'	Core	Epsilon	DA
CB-0556	Toolachee-34	6882		Core	Epsilon	DA
CB-0557	Toolachee-34	6893	3'	Core	Epsilon	DA
CB-0558	Toolachee-34	6896		Core	Epsilon	DA
CB-0559	Toolachee-34	6908	6'	Core	Epsilon	DA
CB-0560	Toolachee-32	6761	6'	Core	Epsilon	DA
CL-0561	Toolachee-32	6774		Core	Epsilon	DA
CB-0562	Toolachee-32	6783	2'	Core	Epsilon	DA
CB-0563	Toolachee-32	6786		Core	Epsilon	DA
CB-0564	Munkarie-2	6847	3'	Core	Epsilon	DA
CB-0565	Munkarie-2	6863	2'	Core	Epsilon	DA
CB-0566	Munkarie-2	6879		Core	Epsilon	DA
CB-0567	Munkarie-2	6893		Core	Epsilon	DA
CB-0568	Munkarie-2	6894	2'	Core	Epsilon	DA
CB-0569	Munkarie-2	6908	4'	Core	Epsilon	DA
CB-0570	Munkarie-2	7240	4'	Core	Patchawarra	DA
CB-0571	Munkarie-2	7258		Core	Patchawarra	DA
CB-0572	Munkarie-2	7277		Core	Patchawarra	DA
CB-0573	Brumby-1	7371		Core	Patchawarra	DA
CB-0574	Brumby-1	7404	3'	Core	Patchawarra	DA
CB-0575	Brumby-1	7411		Core	Patchawarra	DA
CB-0576	Brumby-1	7459	6'	Core	Patchawarra	DA
CB-0577	Brumby-1	7489	7'	Core	Patchawarra	DA
CB-0578	Moomba-9	7696		Core	Toolachee	AT
CB-0579	Moomba-9	7781		Core	Toolachee	AT
CB-0580	Moomba-9	7788		Core	Toolachee	AT
CB-0581	Moomba-9	7805		Core	Toolachee	AT
CB-0582	Moomba-9	7820		Core	Toolachee	AT
CB-0583	Moomba-9	7823	8"	Core	Toolachee	AT
CB-0584	Moomba-9	7824	6"	Core	Toolachee	AT

CB-0585	Moomba-9	7849	Core	Toolachee	AT
CB-0586	Moomba-9	7852	Core	Toolachee	AT
CB-0587	Moomba-9	7860 2'	Core	Toolachee	AT
CB-0588	Moomba-9	7869	Core	Toolachee	AT
CB-0589	Moomba-9	7870	Core	Toolachee	AT
CB-0590	Moomba-9	7878	Core	Toolachee	AT
CB-0591	Moomba-9	7906 3'	Core	Daralingie	AT
CB-0592	Moomba-9	7918 3'	Core	Daralingie	AT
CB-0593	Moomba-9	7970	Core	Daralingie	AT
CB-0594	Moomba-9	7975	Core	Daralingie	AT
CB-0595	Moomba-10	7728 4'	Core	Toolachee	AT
CB-0596	Moomba-10	7757 6'	Core	Toolachee	AT
CB-0597	Moomba-10	7775	Core	Toolachee	AT
CB-0598	Moomba-10	7780	Core	Toolachee	AT
CB-0599	Moomba-10	7802	Core	Toolachee	AT
CB-0600	Moomba-10	7821	Core	Toolachee	AT
CB-0601	Moomba-10	7843	Core	Toolachee	AT
CB-0602	Moomba-52	7844	Core	Toolachee	AT
CB-0603	Moomba-52	7852 4'	Core	Toolachee	AT
CB-0604	Moomba-52	7881 5'	Core	Toolachee	AT
CB-0605	Moomba-52	7905 1'	Core	Toolachee	AT
CB-0606	Moomba-53	7818	Core	Toolachee	AT
CB-0607	Moomba-53	7837	Core	Toolachee	AT
CB-0608	Moomba-53	7856 10'	Core	Toolachee	AT
CB-0609	Moomba-53	7864 10'	Core	Toolachee	AT
CB-0610	Moomba-53	7976 1'	Core	Daralingie	AT
CB-0611	Strzelecki-10	6270	Cuttings	Toolachee	JE
CB-0612	Strzelecki-10	6250	Cuttings	Toolachee	JE
CB-0613	Strzelecki-10	6180	Cuttings	Nappamerrri	JE
CB-0614	Strzelecki-10	6370	Cuttings	Toolachee	JE
CB-0615	Strzelecki-10	6600	Cuttings	Patchawarra	JE
CB-0616	Strzelecki-10	6670	Cuttings	Tirrawarra	JE
CB-0617	Strzelecki-10	6720	Cuttings	Tirrawarra	JE
CB-0618	Strzelecki-10	6780	Cuttings	Tirrawarra	JE
CB-0619	Strzelecki-10	6820	Cuttings	Merrimelia	JE
CB-0620	Strzelecki-10	6900	Cuttings	Merrimelia	JE
CB-0621	Kidman-1	6360	Cuttings	Nappamerrri	JE
CB-0622	Kidman-1	6410	Cuttings	Toolachee	JE
CB-0623	Kidman-1	6490	Cuttings	Toolachee	JE
CB-0624	Kidman-1	6560	Cuttings	Toolachee	JE
CB-0625	Kidman-1	6710	Cuttings	Toolachee	JE
CB-0626	Kidman-1	6750	Cuttings	Toolachee	JE
CB-0627	Kidman-1	6890	Cuttings	Epsilon	JE
CB-0628	Kidman-1	7025	Cuttings	Epsilon	JE
CB-0629	Kidman-1	7050	Cuttings	Epsilon	JE
CB-0630	Kidman-1	7220	Cuttings	Patchawarra	JE
CB-0631	Kidman-1	7400	Cuttings	Patchawarra	JE
CB-0632	Kidman-1	7460	Cuttings	Patchawarra	JE
CB-0633	Kidman-1	7550	Cuttings	Patchawarra	JE

CB-0634	Toolachee-1	5860	Cuttings	Nappamerri	DA
CB-0635	Toolachee-1	5990	Cuttings	Toolachee	DA
CB-0636	Toolachee-1	6220	Cuttings	Toolachee	DA
CB-0637	Toolachee-1	6270	Cuttings	Daralingie	DA
CB-0638	Toolachee-1	6670	Cuttings	Epsilon	DA
CB-0639	Toolachee-1	6850	Cuttings	Patchawarra	DA
CB-0640	Toolachee-3	6020	Cuttings	Nappamerri	DA
CB-0641	Toolachee-3	6170	Cuttings	Toolachee	DA
CB-0642	Toolachee-3	6320	Cuttings	Toolachee	DA
CB-0643	Toolachee-3	6410	Cuttings	Toolachee	DA
CB-0644	Toolachee-3	6510	Cuttings	Roseneath	DA
CB-0645	Toolachee-3	6750	Cuttings	Epsilon	DA
CB-0646	Toolachee-3	6960	Cuttings	Epsilon	DA
CB-0647	Toolachee East-1	6200	Cuttings	Nappamerri	DA
CB-0648	Toolachee East-1	6440	Cuttings	Toolachee	DA
CB-0649	Toolachee East-1	6660	Cuttings	Toolachee	DA
CB-0650	Toolachee East-1	6790	Cuttings	Toolachee	DA
CB-0651	Toolachee East-1	6840	Cuttings	Daralingie	DA
CB-0652	Toolachee East-1	6910	Cuttings	Daralingie	DA
CB-0653	Toolachee East-1	7210	Cuttings	Epsilon	DA
CB-0654	Toolachee East-1	7400	Cuttings	Epsilon	DA
CB-0655	Toolachee East-1	7630	Cuttings	Patchawarra	DA
CB-0656	Toolachee East-1	7790	Cuttings	Patchawarra	DA
CB-0657	Toolachee East-1	7960	Cuttings	Patchawarra	DA
CB-0658	Toolachee East-1	8300	Cuttings	Patchawarra	DA
CB-0659	Moomba-7	7720	Cuttings	Nappamerri	AT
CB-0660	Moomba-7	7910	Cuttings	Toolachee	AT
CB-0661	Moomba-7	7970	Cuttings	Toolachee	AT
CB-0662	Moomba-7	8230	Cuttings	Daralingie	AT
CB-0663	Moomba-7	8290	Cuttings	Daralingie	AT
CB-0664	Moomba-7	8380	Cuttings	Daralingie	AT
CB-0665	Moomba-7	8420	Cuttings	Daralingie	AT
CB-0666	Moomba-7	8620	Cuttings	Epsilon	AT
CB-0667	Moomba-7	8690	Cuttings	Epsilon	AT
CB-0668	Moomba-7	8860	Cuttings	Epsilon	AT
CB-0669	Moomba-7	9150	Cuttings	Patchawarra	AT
CB-0670	Moomba-7	9470	Cuttings	Patchawarra	AT
CB-0671	Moomba-7	9490	Cuttings	Patchawarra	AT
CB-0672	Moomba-7	9650	Cuttings	Patchawarra	AT
CB-0673	Moomba-7	9750	Cuttings	Patchawarra	AT
CB-0674	Moomba-57	7650	Cuttings	Nappamerri	AT
CB-0675	Moomba-57	7750	Cuttings	Toolachee	AT
CB-0676	Moomba-57	7840	Cuttings	Toolachee	AT
CB-0677	Moomba-57	7920	Cuttings	Toolachee	AT
CB-0678	Moomba-57	8040	Cuttings	Toolachee	AT
CB-0679	Moomba-57	8160	Cuttings	Daralingie	AT
CB-0680	Moomba-57	8230	Cuttings	Daralingie	AT
CB-0681	Moomba-57	8350	Cuttings	Daralingie	AT
CB-0682	Moomba-57	8640	Cuttings	Epsilon	AT

CB-0683	Moomba 57	8720	Cuttings	Epsilon	AT
CB-0684	Moomba 57	8930	Cuttings	Epsilon	AT
CB-0685	Moomba 57	9190	Cuttings	Patchawarra	AT
CB-0686	Moomba 57	9260	Cuttings	Patchawarra	AT
CB-0687	Moomba 57	9670	Cuttings	Patchawarra	AT
CB-0688	Moomba 57	9740	Cuttings	Patchawarra	AT
CB-0689	Moomba 57	10000	Cuttings	Patchawarra	AT
CB-0690	Moomba 57	10050	Cuttings	Tirrawarra	AT
CB-0691	Moomba 57	10200	Cuttings	Tirrawarra	AT
CB-0692	Wancoocha 2	5530-40	Cuttings	Murteree	JSR
CB-0693	Wancoocha 2	5620-30	Cuttings	Patchawarra	JSR
CB-0694	Wancoocha 2	5690-700	Cuttings	Patchawarra	JSR
CB-0695	Wancoocha 2	5710-20	Cuttings	Patchawarra	JSR
CB-0696	Wancoocha 2	5730-40	Cuttings	Patchawarra	JSR
CB-0697	Wancoocha 2	5750-60	Cuttings	Pre-Permian	JSR
CB-0698	Wancoocha 4	5600-10	Cuttings	Murteree	JSR
CB-0699	Wancoocha 4	5690-700	Cuttings	Patchawarra	JSR
CB-0700	Wancoocha 4	5760-70	Cuttings	Patchawarra	JSR
CB-0701	Wancoocha 4	5770-80	Cuttings	Patchawarra	JSR
CB-0702	Wancoocha 4	5780-90	Cuttings	Patchawarra	JSR
CB-0703	Wancoocha 4	5790-800	Cuttings	Patchawarra	JSR
CB-0704	Wancoocha 4	5800-10	Cuttings	Patchawarra	JSR
CB-0705	Wancoocha 4	5840-50	Cuttings	Pre-Permian	JSR
CB-0706	Kirby-1	8640-50	Cuttings	Nappamerri	JSR
CB-0707	Kirby-1	8770-80	Cuttings	Toolachee	JSR
CB-0708	Kirby-1	9050-60	Cuttings	Toolachee	JSR
CB-0709	Kirby-1	9250-60	Cuttings	Roseneath	JSR
CB-0710	Kirby-1	9430-40	Cuttings	Epsilon	JSR
CB-0711	Kirby-1	9580-90	Cuttings	Epsilon	JSR
CB-0712	Kirby-1	9690-700	Cuttings	Epsilon	JSR
CB-0713	Kirby-1	9780-90	Cuttings	Epsilon	JSR
CB-0714	Kirby-1	9860-70	Cuttings	Epsilon	JSR
CB-0715	Kirby-1	9970-80	Cuttings	Murteree	JSR
CB-0716	Kirby-1	10190-200	Cuttings	Patchawarra	JSR
CB-0717	Kirby-1	10440-50	Cuttings	Patchawarra	JSR
CB-0718	Kirby-1	10570-80	Cuttings	Patchawarra	JSR
CB-0719	Kirby-1	10710-20	Cuttings	Patchawarra	JSR
CB-0720	Kirby-1	11260-70	Cuttings	Patchawarra	JSR
CB-0721	Kirby-1	11610-20	Cuttings	Patchawarra	JSR
CB-0722	Kirby-1	12160-70	Cuttings	Patchawarra	JSR
CB-0723	Kirby-1	12400-10	Cuttings	Tirrawarra	JSR
CB-0724	Dullingari-18	6740-50	Cuttings	Nappamerri	JSR
CB-0725	Dullingari-18	6900-10	Cuttings	Toolachee	JSR
CB-0726	Dullingari-18	7050-60	Cuttings	Toolachee	JSR
CB-0727	Dullingari-18	7180-90	Cuttings	Daralingie	JSR
CB-0728	Dullingari-18	7380-90	Cuttings	Epsilon	JSR
CB-0729	Dullingari-18	7540-50	Cuttings	Epsilon	JSR
CB-0730	Dullingari-18	7760-70	Cuttings	Patchawarra	JSR
CB-0731	Dullingari-18	7810-20	Cuttings	Patchawarra	JSR

CB-0732	Dullingari-18	8110-20	Cuttings	Patchawarra	JSR
CB-0733	Dullingari-18	8390-400	Cuttings	Patchawarra	JSR
CB-0734	Dullingari-39	7020-30	Cuttings	Nappamerri	JSR
CB-0735	Dullingari-39	7080-90	Cuttings	Toolachee	JSR
CB-0736	Dullingari-39	7160-70	Cuttings	Toolachee	JSR
CB-0737	Dullingari-39	7300-10	Cuttings	Toolachee	JSR
CB-0738	Dullingari-39	7450-60	Cuttings	Daralingie	JSR
CB-0739	Dullingari-39	7680-90	Cuttings	Epsilon	JSR
CB-0740	Dullingari-39	7830-40	Cuttings	Epsilon	JSR
CB-0741	Dullingari-39	8020-30	Cuttings	Patchawarra	JSR
CB-0742	Dullingari-39	8130-40	Cuttings	Patchawarra	JSR
CB-0743	Dullingari-39	8180-90	Cuttings	Patchawarra	JSR
CB-0744	Dullingari-39	8370-80	Cuttings	Patchawarra	JSR
CB-0745	Dullingari-18	7847-2	Core	Patchawarra	JSR
CB-0746	Dullingari-18	7857-6	Core	Patchawarra	JSR
CB-0747	Dullingari-18	7869-7	Core	Patchawarra	JSR
CB-0748	Dullingari-18	7872	Core	Patchawarra	JSR
CB-0749	Dullingari-18	7890-5	Core	Patchawarra	JSR
CB-0750	Dullingari-18	7896-7	Core	Patchawarra	JSR
CB-0751	Daralingie-2	6370	Cuttings	Nappamerri	JSR
CB-0752	Daralingie-2	6550	Cuttings	Toolachee	JSR
CB-0753	Daralingie-2	6650	Cuttings	Daralingie	JSR
CB-0754	Daralingie-2	6850	Cuttings	Epsilon	JSR
CB-0755	Daralingie-2	7040	Cuttings	Epsilon	JSR
CB-0756	Daralingie-2	7440	Cuttings	Patchawarra	JSR
CB-0757	Daralingie-2	7640	Cuttings	Patch/Merr	JSR
CB-0758	Daralingie-2	7800	Cuttings	Pre-Permian	JSR
CB-0759	Daralingie-1	6308	Cuttings	Nappamerri	JSR
CB-0760	Daralingie-1	6520	Cuttings	Daralingie	JSR
CB-0761	Daralingie-1	6670	Cuttings	Epsilon	JSR
CB-0762	Daralingie-1	6830	Cuttings	Epsilon	JSR
CB-0763	Daralingie-1	6970	Cuttings	Patchawarra	JSR
CB-0764	Daralingie-1	7025-30	Cuttings	Patchawarra	JSR
CB-0765	Daralingie-1	7080	Cuttings	Patchawarra	JSR
CB-0766	Daralingie-1	7110	Cuttings	Patchawarra	JSR
CB-0767	Daralingie-1	7170	Cuttings	Merrimelia	JSR
CB-0768	Daralingie-1	7360	Cuttings	Pre-Permian	JSR
CB-0769	Big Lake-26	7370-80	Cuttings	Nappamerri	SP
CB-0770	Big Lake-26	7460-70	Cuttings	Toolachee	SP
CB-0771	Big Lake-26	7520-30	Cuttings	Toolachee	SP
CB-0772	Big Lake-26	7590-600	Cuttings	Toolachee	SP
CB-0773	Big Lake-26	7640-50	Cuttings	Toolachee	SP
CB-0774	Big Lake-26	7680-90	Cuttings	Daralingie	SP
CB-0775	Big Lake-26	7740-50	Cuttings	Daralingie	SP
CB-0776	Big Lake-26	7800-10	Cuttings	Roseneath	SP
CB-0777	Big Lake-26	7890-900	Cuttings	Epsilon	SP
CB-0778	Big Lake-26	7940-50	Cuttings	Epsilon	SP
CB-0779	Big Lake-26	7980-90	Cuttings	Epsilon	SP
CB-0780	Big Lake-26	8120-30	Cuttings	Epsilon	SP

CB-0781	Big Lake-26	8150-60	Cuttings	Murteree	SP
CB-0782	Big Lake-26	8290-300	Cuttings	Murteree	SP
CB-0783	Big Lake-26	8320-30	Cuttings	Patchawarra	SP
CB-0784	Big Lake-26	8350-60	Cuttings	Patchawarra	SP
CB-0785	Big Lake-26	8400-10	Cuttings	Patchawarra	SP
CB-0786	Big Lake-26	8520-30	Cuttings	Patchawarra	SI
CB-0787*	Big Lake-26	8780-90	Cuttings	Patchawarra	SP
CB-0789	Big Lake-26	8900-10	Cuttings	Patchawarra	SP
CB-0790	Big Lake-26	9150-60	Cuttings	Patchawarra	SP
CB-0791	Big Lake-26	9320-30	Cuttings	Patchawarra	SP
CB-0792	Big Lake-26	9450-60	Cuttings	Tirrawarra	SP
CB-0793	Big Lake-26	9650-60	Cuttings	Merrimelia	SP
CB-0794	Big Lake-33	7520-7530	Cuttings	Nappamern	SP
CB-0795	Big Lake-33	7590-600	Cuttings	Toolachee	SP
CB-0796	Big Lake-33	7660-70	Cuttings	Toolachee	SP
CB-0797	Big Lake-33	7780-90	Cuttings	Toolachee	SP
CB-0798	Big Lake-33	7800-10	Cuttings	Toolachee	SP
CB-0799	Big Lake-33	7940-50	Cuttings	Daralingie	SP
CB-0800	Big Lake-33	8040-50	Cuttings	Daralingie	SP
CB-0801	Big Lake-33	8070-80	Cuttings	Roseneath	SP
CB-0802	Big Lake-33	8140-50	Cuttings	Roseneath	SP
CB-0803	Big Lake-33	8230-40	Cuttings	Roseneath	SP
CB-0804	Big Lake-33	8250-60	Cuttings	Epsilon	SP
CB-0805	Big Lake-33	8300-10	Cuttings	Epsilon	SP
CB-0806	Big Lake-33	8410-20	Cuttings	Epsilon	SP
CB-0807	Big Lake-33	8460-70	Cuttings	Epsilon	SP
CB-0808	Big Lake-33	8500-10	Cuttings	Epsilon	SP
CB-0809	Big Lake-33	8550-60	Cuttings	Murteree	SP
CB-0810	Big Lake-33	8690-700	Cuttings	Murteree	SP
CB-0811	Big Lake-33	8720-30	Cuttings	Patchawarra	SP
CB-0812	Big Lake-33	8750-60	Cuttings	Patchawarra	SP
CB-0813	Big Lake-33	8800-10	Cuttings	Patchawarra	SP
CB-0814	Big Lake-33	8950-60	Cuttings	Patchawarra	SP
CB-0815	Big Lake-33	9150-60	Cuttings	Patchawarra	SP
CB-0816	Big Lake-33	9320-30	Cuttings	Patchawarra	SP
CB-0817	Big Lake-33	9590-600	Cuttings	Patchawarra	SP
CB-0818	Big Lake-33	9770-80	Cuttings	Patchawarra	SP
CB-0819	Big Lake-33	10060-70	Cuttings	Tirrawarra	SP
CB-0820	Burley-2	8680-90	Cuttings	Nappamern	SP
CB-0821	Burley-2	8820-30	Cuttings	Toolachee	SP
CB-0822	Burley-2	8910-20	Cuttings	Toolachee	SP
CB-0823	Burley-2	8950-60	Cuttings	Toolachee	SP
CB-0824	Burley-2	9040-50	Cuttings	Toolachee	SP
CB-0825	Burley-2	9080-90	Cuttings	Toolachee	SP
CB-0826	Burley-2	9140-50	Cuttings	Toolachee	SP
CB-0827	Burley-2	9190-200	Cuttings	Toolachee	SP
CB-0828	Burley-2	9280-90	Cuttings	Toolachee	SP
CB-0829	Burley-2	9320-40	Cuttings	Daralingie	SP
CB-0830	Burley-2	9450-60	Cuttings	Daralingie	SP



CB-0831	Burley-2	9530-40	Cuttings	Daralingie	SP
CB-0832	Burley-2	9590-600	Cuttings	Roseneath	SP
CB-0833	Burley-2	9730-40	Cuttings	Roseneath	SP
CB-0834	Burley-2	9760-70	Cuttings	Epsilon	SP
CB-0835	Burley-2	9910-20	Cuttings	Epsilon	SP
CB-0836	Burley-2	9990-10000	Cuttings	Epsilon	SP
CB-0837	Burley-2	10100-10	Cuttings	Epsilon	SP
CB-0838	Burley-2	10200-10	Cuttings	Epsilon	SP
CB-0839	Burley-2	10230-40	Cuttings	Murteree	SP
CB-0840	Burley-2	10440-50	Cuttings	Murteree	SP
CB-0841	Burley-2	10510-20	Cuttings	Patchawarra	SP
CB-0842	Burley-2	10670-80	Cuttings	Patchawarra	SP
CB-0843	Burley-2	10800-10	Cuttings	Patchawarra	SP
CB-0844	Burley-2	11060-70	Cuttings	Patchawarra	SP
CB-0845	Burley-2	11380-90	Cuttings	Patchawarra	SP
CB-0846	Burley-2	11600-10	Cuttings	Patchawarra	SP
CB-0847	Burley-2	11730-40	Cuttings	Tirrawarra	SP
CB-0848	Burley-2	11980-90	Cuttings	Merrimelia	SP
CB-0849	Namur-1	6890-920	Cuttings	Nappamerri	NL
CB-0850	Namur-1	6940-60	Cuttings	Toolachee	NL
CB-0851	Namur-1	7200-10	Cuttings	Patchawarra	NL
CB-0852	Namur-1	7260-300	Cuttings	Patchawarra	NL
CB-0853	Marabooka-1	6290-320	Cuttings	Nappamerri	NL
CB-0854	Marabooka-1	6350-70	Cuttings	Toolachee	NL
CB-0855	Marabooka-1	6380-90	Cuttings	Toolachee	NL
CB-0856	Marabooka-1	6510-30	Cuttings	Toolachee	NL
CB-0857	Marabooka-1	6540-50	Cuttings	Patchawarra	NL
CB-0858	Marabooka-1	6600-20	Cuttings	Patchawarra	NL
CB-0859	Yalcumma-1	7250-80	Cuttings	Nappamerri	NL
CB-0860	Yalcumma-1	7420-40	Cuttings	Toolachee	NL
CB-0861	Yalcumma-1	7610-20	Cuttings	Toolachee	NL
CB-0862	Yalcumma-1	7800-10	Cuttings	Toolachee	NL
CB-0863	Yalcumma-1	7890-900	Cuttings	Toolachee	NL
CB-0864	Yalcumma-1	8140-60	Cuttings	Epsilon	NL
CB-0865	Yalcumma-1	8420-30	Cuttings	Epsilon	NL
CB-0866	Yalcumma-1	8660-80	Cuttings	Patchawarra	NL
CB-0867	Yalcumma-1	8730-50	Cuttings	Patchawarra	NL
CB-0868	Yalcumma-1	8860-80	Cuttings	Patchawarra	NL
CB-0869	Yalcumma-1	9070-100	Cuttings	Patchawarra	NL
CB-0870	Yalcumma-1	9120-30	Cuttings	Patchawarra	NL
CB-0871	Yalcumma-1	9270-90	Cuttings	Patchawarra	NL
CB-0872	Yalcumma-1	9670-90	Cuttings	Pre-Permian	NL
CB-0873	Three Queens-1	7310-30	Cuttings	Nappamerri	NL
CB-0874	Three Queens-1	7420-30	Cuttings	Toolachee	NL
CB-0875	Three Queens-1	7460-70	Cuttings	Toolachee	NL
CB-0876	Three Queens-1	7620-40	Cuttings	Toolachee	NL
CB-0877	Three Queens-1	7820-40	Cuttings	Daralingie	NL
CB-0878	Three Queens-1	7840-60	Cuttings	Daralingie	NL
CB-0879	Three Queens-1	8090-110	Cuttings	Epsilon	NL



CB-0880	Three Queens-1	8310-30	Cuttings	Epsilon	NL
CB-0881	Three Queens-1	8570-90	Cuttings	Patchawarra	NL
CB-0882	Three Queens-1	8760-70	Cuttings	Patchawarra	NL
CB-0883	Three Queens-1	8770-90	Cuttings	Patchawarra	NL
CB-0884	Three Queens-1	8860-80	Cuttings	Patchawarra	NL
CB-0885	Three Queens-1	9160-80	Cuttings	Patchawarra	NL
CB-0886	Three Queens-1	9310-30	Cuttings	Patchawarra	NL
CB-0887	Dulligari-18	7896-10	Core	Patchawarra	JSR

\* Sample number CB-0788 not allocated

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## APPENDIX B: ANALYTICAL RESEARCH TECHNIQUES

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Appendix B provides a summary of the laboratory methods used to characterise each sample. Full descriptions of study results are enclosed in Appendices C- J. For further details, the reader is referred to the work of Alsop (1990), Eleftheriou (1990), Sansome (1988), Stuart et al. (1990) and Thomas (1990) [reference list].

### Abbreviations:

TS	Thin-section petrography
XRD	X-ray diffraction
SEM	Scanning electron microscopy
CL	Cathodoluminescence
ISOT	Oxygen- and carbon isotope chemistry
EMP	Electron microprobe chemistry
QCM	Quantitative clay mineralogy

SAMPLE NUMBER	TS	XRD	SEM	CL	ISOT.	EMP	QCM
CB-0001	X	X	X	.	.	.	.
CB-0002	X	X	X	.	.	.	X
CB-0003	X	X	X	.	.	.	.
CB-0004	X	X	X	.	.	.	.
CB-0005	X	X	X	.	.	.	.
CB-0006	X	X	X	.	.	.	X
CB-0007	X	X	X	.	.	.	X
CB-0008	X	X	X	.	.	X	.
CB-0009	X	X	X	.	.	.	.
CB-0010	X	X	X	.	.	.	.
CB-0011	X	X	X	.	.	.	.
CB-0012	X	X	X	X	.	.	X
CB-0013	X	X	X	.	.	.	.
CB-0014	X	X	X	.	.	.	.
CB-0015	X	X	X	.	.	X	.
CB-0016	X	X	X	.	.	.	.
CB-0017	X	X	X	.	.	.	.
CB-0018	X	X	X	.	.	.	.
CB-0019	X	X	X	.	.	.	X
CB-0020	X	X	X	.	X	X	.
CB-0021	X	X	X	.	.	.	.
CB-0022	X	X	X	.	.	.	.
CB-0023	X	.	X	.	.	.	.
CB-0024	X	X	X	.	.	.	.
CB-0025	X	X	X	.	.	.	.
CB-0026	X	X	X	.	.	.	.
CB-0027	X	X	X	.	.	.	.
CB-0028	X	X	X	.	.	.	.
CB-0029	X	X	X	.	.	.	.
CB-0030	X	X	X	.	.	.	.
CB-0031	X	.	X	.	.	.	.
CB-0032	X	X	X	.	.	.	.
CB-0033	X	.	X	.	.	.	.
CB-0034	X	X	X	.	.	.	.
CB-0035	X	X	X	.	.	.	.
CB-0036	X	X	X	.	.	.	X
CB-0037	X	X	X	.	.	.	.
CB-0038	X	X	X	.	.	.	.
CB-0039	X	X	X	.	.	.	.
CB-0040	X	X	X	.	.	.	.

CB-0041	X	X	X	.	.	.	.	.
CB-0042	X	X	X	.	.	.	.	.
CB-0043	X	X	X	X	.	.	.	.
CB-0044	X	X	X	.	.	.	.	.
CB-0045	X	X	.	.	.	.	.	.
CB-0046	X	.	.	.	.	.	.	.
CB-0047	X	X	.	.	.	.	.	.
CB-0048	X	X	X	.	.	.	.	.
CB-0049	X	X	X	.	.	.	.	.
CB-0050	X	.	X	.	.	.	.	.
CB-0051	X	X	X	.	.	.	.	.
CB-0052	X	X	X	X	.	.	.	.
CB-0053	X	X	X	.	.	.	.	.
CB-0054	X	X	X	.	.	.	.	.
CB-0055	X	X	X	.	.	.	.	.
CB-0056	X	X	X	.	.	.	.	.
CB-0057	X	X	X	.	.	.	.	.
CB-0058	X	X	X	.	.	.	.	X
CB-0059	X	X	X	.	.	.	.	X
CB-0060	X	X	X	.	.	.	.	X
CB-0061	X	X	X	.	.	.	.	X
CB-0062	X	X	X	.	X	X	.	.
CB-0063	X	X	X	.	.	.	.	.
CB-0064	X	X	X	.	.	.	.	.
CB-0065	X	X	X	.	.	.	.	.
CB-0066	X	X	X	.	.	.	.	.
CB-0067	X	X	X	.	.	.	.	X
CB-0068	X	X	X	.	.	.	.	.
CB-0069	X	X	X	.	.	.	.	.
CB-0070	X	X	X	.	.	.	.	.
CB-0071	X	X	X	.	.	.	.	.
CB-0072	X	X	X	.	.	.	.	.
CB-0073	X	X	X	.	.	.	.	.
CB-0074	X	X	X	.	.	.	.	.
CB-0075	X	X	X	.	X	X	.	.
CB-0076	X	X	X	.	.	.	.	.
CB-0077	X	X	X	.	.	.	.	X
CB-0078	X	X	X	.	.	.	.	.
CB-0079	X	X	X	.	.	.	.	X
CB-0080	X	X	X	.	.	.	.	.
CB-0081	X	X	X	.	.	.	.	.
CB-0082	X	X	X	.	.	.	.	.
CB-0083	X	X	X	.	.	.	.	.
CB-0084	X	X	X	.	.	.	.	.

CB-0085	X	X	X	.	X	X	.
CB-0086	X	X	X	.	.	.	.
CB-0087	X	X	X	.	.	.	.
CB-0088	X	X	X	.	.	.	.
CB-0089	X	X	X	.	.	.	.
CB-0090	X	X	X	.	.	.	.
CB-0091	X	X	X	.	.	.	.
CB-0097	X	X	X	.	.	.	.
CB-0093	X	X	X	X	.	.	.
CB-0094	X	X	X	.	.	.	.
CB-0095	X	X	X	X	.	.	.
CB-0096	X	X	X	.	.	.	.
CB-0097	X	X	X	X	.	.	.
CB-0098	X	X	X	.	.	.	.
CB-0099	X	X	X	.	.	.	.
CB-0100	X	X	X	.	.	.	.
CB-0101	X	X	X	.	.	.	.
CB-0102	X	X	X	.	.	.	.
CB-0103	X	X	X	.	.	.	.
CB-0104	X	X	X	X	.	.	.
CB-0105	X	X	X	.	X	.	.
CB-0106	X	X	X	X	.	.	.
CB-0107	X	X	X	.	.	.	.
CB-0108	X	X	X	.	.	.	.
CB-0109	X	X	X	X	.	.	.
CB-0110	X	X	X	.	.	.	.
CB-0111	X	X	X	X	.	.	.
CB-0112	X	X	X	.	.	.	.
CB-0113	X	X	X	.	.	.	.
CB-0114	X	X	X	.	.	.	.
CB-0115	X	X	X	.	.	.	.
CB-0116	X	X	X	.	.	.	X
CB-0117	X	X	X	X	.	.	X
CB-0118	X	X	X	.	.	.	.
CB-0119	X	X	X	.	.	.	.
CB-0120	X	X	X	.	X	X	.
CB-0121	X	X	X	.	.	.	.
CB-0122	X	X	X	.	.	.	.
CB-0123	X	X	X	.	.	.	.
CB-0124	X	X	X	.	.	.	.
CB-0125	X	X	X	.	.	.	.
CB-0126	X	X	X	.	.	.	X
CB-0127	X	X	X	.	.	.	.
CB-0128	X	X	X	.	.	.	.

CB-0129	X	X	X	.	.	.	.
CB-0130	X	X	X	.	.	.	.
CB-0131	X	X	X	.	.	.	X
CB-0132	X	X	X	.	.	.	.
CB-0133	X	X	X	.	.	.	.
CB-0134	X	X	X	.	.	.	X
CB-0135	X	X	X	.	.	.	.
CB-0136	X	X	X	.	.	.	X
CB-0137	X	X	X	.	.	.	.
CB-0138	X	X	X	.	.	.	.
CB-0139	X	X	X	.	.	.	.
CB-0140	X	X	X	.	X	.	.
CB-0141	X	X	X	.	.	.	.
CB-0142	X	X	X	.	.	.	.
CB-0143	X	X	X	.	.	.	.
CB-0144	X	X	X	.	.	.	.
CB-0145	X	X	X	.	.	.	.
CB-0146	X	X	X	.	.	.	.
CB-0147	X	X	X	.	.	.	.
CB-0148	X	X	X	.	.	.	.
CB-0149	X	X	X	.	.	.	X
CB-0150	X	X	X	.	.	.	.
CB-0151	X	X	X	.	.	.	.
CB-0152	X	X	X	.	.	.	.
CB-0153	X	X	X	.	.	.	.
CB-0154	X	X	X	.	.	.	.
CB-0155	X	X	X	.	.	.	.
CB-0156	X	X	X	.	.	.	.
CB-0157	X	X	X	.	.	.	.
CB-0158	X	X	X	.	.	.	.
CB-0159	X	X	X	.	.	.	X
CB-0160	X	X	X	.	.	.	.
CB-0161	X	X	X	.	.	.	.
CB-0162	X	X	X	.	.	.	X
CB-0163	X	X	X	.	.	.	.
CB-0164	X	X	X	.	.	.	.
CB-0165	X	X	X	.	.	.	.
CB-0166	X	X	X	.	.	.	.
CB-0167	X	X	X	X	.	.	.
CB-0168	X	X	X	.	.	.	X
CB-0169	X	X	X	.	.	.	.
CB-0170	X	X	X	.	.	.	.
CB-0171	X	X	X	.	.	.	.
CB-0172	X	X	X	.	.	.	.

CB-0173	X	X	X	.	.	.	.
CB-0174	X	X	X	.	.	.	.
CB-0175	X	X	X	.	.	.	.
CB-0176	X	X	X	.	.	X	.
CB-0177	X	X	X	.	.	.	.
CB-0178	X	X	X	.	.	.	.
CB-0179	X	X	X	.	.	.	.
CB-0180	X	X	X	X	.	.	X
CB-0181	X	X	X	.	.	.	.
CB-0182	X	X	X	X	.	.	.
CB-0183	X	X	X	X	.	.	.
CB-0184	X	X	X	X	.	.	.
CB-0185	X	X	X	.	.	.	.
CB-0186	X	X	X	.	.	.	.
CB-0187	X	X	X	X	.	.	.
CB-0188	X	X	X	.	.	.	.
CB-0189T	X	X	X	.	X	X	.
CB-0189B	X	X	X	.	X	.	.
CB-0190	X	X	X	.	.	.	.
CB-0191	X	X	X	.	.	.	.
CB-0192	X	X	X	.	.	.	.
CB-0193	X	X	X	X	.	.	.
CB-0194	X	X	X	.	.	.	.
CB-0195	X	X	X	X	.	.	.
CB-0196	X	X	X	.	.	.	.
CB-0197	X	X	X	.	.	.	.
CB-0198	X	X	X	.	.	.	.
CB-0199	X	X	X	.	.	.	.
CB-0200	X	X	X	.	.	.	.
CB-0201	X	X	X	X	.	.	.
CB-0202	X	X	X	.	.	.	X
CB-0203	X	X	X	.	.	.	.
CB-0204	X	X	X	.	.	.	.
CB-0205	X	X	X	.	.	.	X
CB-0206	X	X	X	.	.	.	.
CB-0207	X	X	X	.	.	.	.
CB-0208	X	X	X	.	.	.	.
CB-0209	X	X	X	.	.	.	X
CB-0210	X	X	X	.	.	.	.
CB-0211	X	X	X	.	.	.	.
CB-0212	X	X	X	.	.	.	.
CB-0213	X	X	X	.	.	.	.
CB-0214	X	X	X	.	.	.	.
CB-0215	X	X	X	.	.	.	.

CB-0216	X	X	X	.	.	.	.
CB-0217	X	X	X	.	.	.	.
CB-0218	X	X	X	.	.	.	X
CB-0219	X	X	X	.	.	.	.
CB-0220	X	X	X	.	.	.	.
CB-0221	X	X	X	.	.	.	.
CB-0222	X	X	X	.	.	.	.
CB-0223	X	X	X	.	.	.	.
CB-0224	X	X	X	.	.	.	.
CB-0225	X	X	X	.	.	.	.
CB-0226	X	X	X	.	.	.	X
CB-0227	X	X	X	.	.	.	.
CB-0228	X	X	X	.	.	.	.
CB-0229	X	X	X	.	.	.	.
CB-0230	X	X	X	.	.	.	.
CB-0231	X	X	X	.	.	.	.
CB-0232	X	X	X	.	.	.	.
CB-0233	X	X	X	.	.	.	X
CB-0234	X	X	X	.	.	.	.
CB-0235	X	X	X	.	.	.	.
CB-0236	X	X	X	.	.	.	X
CB-0237	X	X	X	.	.	.	.
CB-0238	X	X	X	.	.	.	.
CB-0239	X	X	X	.	.	.	.
CB-0240	X	X	X	X	.	.	.
CB-0241	X	X	X	.	.	.	.
CB-0242	X	X	X	.	.	.	.
CB-0243	X	X	X	.	.	.	.
CB-0244	X	X	X	.	.	.	.
CB-0245	X	X	X	X	.	.	.
CB-0246	X	X	X	.	.	.	.
CB-0247	X	X	X	.	.	.	.
CB-0248	X	X	X	.	.	.	.
CB-0249	X	X	X	.	.	.	.
CB-0250	X	X	X	.	.	.	.
CB-0251	X	X	X	.	.	.	.
CB-0252	X	X	X	.	.	.	.
CB-0253	X	X	X	.	.	.	.
CB-0254	X	X	X	X	.	.	.
CB-0255	X	X	X	.	.	.	.
CB-0256	X	X	X	.	.	.	.
CB-0257	X	X	X	.	.	.	.
CB-0258	X	X	X	.	X	.	.
CB-0259	X	X	X	.	.	.	.



CB-0260	X	X	X	.	.	.	.
CB-0261	X	X	X	.	.	.	.
CB-0262	X	X	X	.	.	.	.
CB-0263	X	X	X	.	.	.	.
CB-0264	X	X	X	.	.	.	.
CB-0265	X	X	X	.	.	.	.
CB-0266	X	X	X	X	.	.	.
CB-0267	X	X	X	.	.	.	.
CB-0268	X	X	X	.	.	.	.
CB-0269	X	X	X	.	.	.	.
CB-0270	X	X	X	.	.	.	.
CB-0271	X	X	X	.	.	.	.
CB-0272	X	X	X	.	.	.	.
CB-0273	X	X	X	.	.	.	.
CB-0274	X	X	X	.	X	.	.
CB-0275	X	X	X	.	.	.	.
CB-0276	X	X	X	.	.	.	.
CB-0277	X	X	X	X	.	.	.
CB-0278	X	X	X	X	.	.	.
CB-0279	X	X	X	.	.	.	.
CB-0280	X	X	X	.	.	.	.
CB-0281	X	X	X	.	.	.	.
CB-0282	X	X	X	.	.	.	.
CB-0283	X	X	X	X	.	.	.
CB-0284	X	X	X	X	.	.	.
CB-0285	X	X	X	.	.	.	.
CB-0286	X	X	X	.	.	.	.
CB-0287	X	X	X	X	.	.	.
CB-0288	X	X	X	.	.	.	.
CB-0289	X	X	X	.	.	.	.
CB-0290	X	X	X	.	.	.	.
CB-0291	X	X	X	.	.	.	.
CB-0292	X	X	X	.	.	.	.
CB-0293	X	X	X	.	.	.	.
CB-0294	X	X	X	.	.	.	.
CB-0295	X	X	X	X	.	.	.
CB-0296	X	X	X	X	.	.	.
CB-0297	X	X	X	.	.	.	.
CB-0298	X	X	X	.	.	.	X
CB-0299	X	X	X	.	.	.	.
CB-0300	X	X	X	.	.	.	.
CB-0301	X	X	X	.	.	.	.
CB-0302	X	X	X	.	.	.	X
CB-0303	X	X	X	.	.	.	.

CB-0304	.	.	.	.	.	.	.
CB-0305	X	X	X	.	.	.	.
CB-0306	.	.	.	.	.	.	.
CB-0307	X	X	X	.	.	.	.
CB-0308	X	X	X	X	.	.	.
CB-0309	X	X	X	.	.	X	X
CB-0310	X	X	X	.	.	.	.
CB-0311	X	X	X	.	.	.	.
CB-0312	X	X	X	.	.	.	.
CB-0313	X	X	X	.	.	.	.
CB-0314	X	X	X	.	.	.	.
CB-0315	X	X	X	.	X	X	.
CB-0316	X	X	X	.	.	.	.
CB-0317	X	X	X	.	X	.	.
CB-0318	X	X	X	.	.	.	.
CB-0319	X	X	X	.	.	.	.
CB-0320	X	X	X	.	.	.	.
CB-0321	X	X	X	.	.	.	.
CB-0322	X	X	X	X	.	.	.
CB-0323	X	X	X	.	.	.	.
CB-0324	X	X	X	.	.	.	.
CB-0325	X	X	X	.	.	.	.
CB-0326	X	X	X	.	.	.	.
CB-0327	X	X	X	.	.	.	.
CB-0328	X	X	X	X	.	.	.
CB-0329	X	X	X	.	.	.	.
CB-0330	X	X	X	.	.	.	.
CB-0331	X	X	X	.	.	.	.
CB-0332	X	X	X	.	.	.	.
CB-0333	X	X	X	.	.	.	.
CB-0334	X	X	X	.	.	.	.
CB-0335	X	X	X	.	.	.	.
CB-0336	X	X	X	.	.	.	.
CB-0337	X	X	X	.	.	.	.
CB-0338	X	X	X	.	.	.	.
CB-0339	X	X	X	.	.	.	.
CB-0340	X	X	X	.	.	.	.
CB-0341	X	X	X	.	.	.	.
CB-0342	X	X	X	X	.	.	.
CB-0343	X	X	X	X	.	.	.
CB-0344	X	X	X	.	.	.	.
CB-0345	X	X	X	.	X	.	.
CB-0346	X	X	X	.	X	.	.
CB-0347	X	X	X	.	.	.	.

CB-0348	X	X	X	.	.	.	.
CB-0349	X	X	X	.	.	.	.
CB-0350	X	X	X	.	.	.	.
CB-0351	X	X	X	.	.	.	.
CB-0352	X	X	X	.	.	.	.
CB-0353	X	X	X	.	.	.	.
CB-0354	X	X	X	.	.	.	.
CB-0355	X	X	X	.	.	.	.
CB-0356	X	X	X	.	.	.	.
CB-0357	X	X	X	.	.	.	.
CB-0358	X	X	X	.	.	.	.
CB-0359	X	X	X	.	.	.	.
CB-0360	X	X	X	.	.	.	.
CB-0361	X	X	X	.	.	.	.
CB-0362	X	X	X	.	.	.	.
CB-0363	X	X	X	.	.	.	.
CB-0364	X	X	X	.	.	.	.
CB-0365	X	X	X	.	.	.	.
CB-0366	X	X	X	.	.	.	.
CB-0367	X	X	X	.	.	.	.
CB-0368	X	X	X	.	.	.	.
CB-0369	X	X	X	.	.	.	.
CB-0370	X	X	X	.	.	.	.
CB-0371	X	X	X	.	.	.	.
CB-0372	X	X	.	.	.	.	.
CB-0373	X	X	X	.	.	.	.
CB-0374	X	X	X	.	.	.	.
CB-0375	X	X	X	.	.	.	.
CB-0376	X	X	X	.	.	.	.
CB-0377	X	X	X	.	.	.	.
CB-0378	X	X	X	.	.	.	.
CB-0379	X	X	X	.	.	.	.
CB-0380	X	X	X	.	.	.	.
CB-0381	X	X	X	.	.	.	.
CB-0382	X	X	X	.	.	.	.
CB-0383	X	X	X	.	.	.	.
CB-0384	X	X	X	.	.	.	.
CB-0385	X	X	X	.	.	.	.
CB-0386	X	X	X	.	.	.	.
CB-0387	X	X	X	.	.	.	.
CB-0388	X	X	X	.	.	.	.
CB-0389	X	X	X	.	.	.	.
CB-0390	X	X	X	.	.	.	.
CB-0391	X	X	X	.	.	.	.

CB-0392	X	X	X	X	.	.	.
CB-0393	X	X	X	.	.	.	.
CB-0394	X	X	X	X	.	.	.
CB-0395	X	X	X	.	.	.	.
CB-0396	X	X	X	.	.	.	.
CB-0397	X	X	X	.	.	.	.
CB-0398	X	X	X	.	X	.	.
CB-0399	X	X	X	.	.	.	.
CB-0400	X	X	X	.	.	.	.
CB-0401	X	X	X	X	.	.	.
CB-0402	X	X	X	.	.	.	.
CB-0403	X	X	X	.	.	.	.
CB-0404	X	X	X	.	X	X	.
CB-0405	X	X	X	.	.	.	.
CB-0406	X	X	X	.	.	.	.
CB-0407	X	X	X	.	.	.	.
CB-0408	X	X	X	.	.	.	.
CB-0409	X	X	X	.	.	.	.
CB-0410	X	X	X	.	X	.	.
CB-0411	X	X	X	.	.	.	.
CB-0412	X	X	X	.	.	.	.
CB-0413	X	.	.	.	.	.	.
CB-0414	X	X	X	.	.	.	.
CB-0415	X	X	X	.	X	.	.
CB-0416	X	X	X	.	.	.	.
CB-0417	X	.	.	.	.	.	.
CB-0418	X	X	X	.	.	.	.
CB-0419	X	X	X	.	.	.	.
CB-0420	X	X	X	.	.	.	.
CB-0421	X	X	X	.	.	.	.
CB-0422	X	X	X	.	.	.	.
CB-0423	X	X	X	.	.	.	.
CB-0424	X	X	X	.	.	.	.
CB-0425	X	X	X	.	.	.	.
CB-0426	X	X	X	.	.	.	.
CB-0427	X	X	X	.	.	.	.
CB-0428	X	X	X	.	.	.	.
CB-0429	X	X	X	.	.	.	.
CB-0430	X	X	X	.	.	.	.
CB-0431	X	X	X	.	.	.	.
CB-0432	X	X	X	.	.	.	.
CB-0433	X	X	X	.	.	.	.
CB-0434	X	X	X	.	.	.	.
CB-0435	X	X	X	.	.	.	.

CB-0436	X	X	X	-	-	-	-
CB-0437	X	X	X	-	-	-	-
CB-0438	X	X	X	-	-	-	-
CB-0439	X	X	X	-	-	-	-
CB-0440	X	X	X	X	-	-	-
CB-0441	X	X	X	-	-	-	-
CB-0442	X	X	X	-	-	-	-
CB-0443	X	X	X	-	-	-	-
CB-0444	X	X	X	-	-	-	-
CB-0445	X	X	X	-	-	-	-
CB-0446	X	X	X	X	-	-	-
CB-0447	X	X	X	-	-	-	-
CB-0448	X	X	X	-	-	-	-
CB-0449	X	X	X	-	-	-	-
CB-0450	X	X	X	-	-	-	-
CB-0451	X	X	X	-	-	-	-
CB-0452	X	X	X	-	-	-	-
CB-0453	X	X	X	-	-	-	-
CB-0454	X	X	X	-	-	-	-
CB-0455	X	X	X	-	-	-	-
CB-0456	X	X	X	X	-	-	-
CB-0457	X	X	X	-	-	-	-
CB-0458	X	X	X	-	X	X	-
CB-0459	X	X	X	-	-	-	-
CB-0460	X	X	X	-	-	-	-
CB-0461	X	X	X	-	-	-	-
CB-0462	X	X	X	X	-	-	-
CB-0463	X	X	X	-	-	-	-
CB-0464	X	X	X	X	-	-	-
CB-0465	X	X	X	-	-	-	-
CB-0466	X	X	X	-	-	-	-
CB-0467	X	X	X	-	-	-	-
CB-0468	X	X	X	-	-	-	-
CB-0469	X	X	X	-	-	-	-
CB-0470	X	X	X	-	-	-	-
CB-0471	X	X	X	-	-	-	-
CB-0472	X	X	X	-	-	-	-
CB-0473	X	X	X	-	-	-	-
CB-0474	X	X	X	-	-	-	-
CB-0475	X	X	X	X	-	-	-
CB-0476	X	X	X	-	-	X	-
CB-0477	X	X	X	-	-	-	-
CB-0478	X	X	X	-	-	-	-
CB-0479	X	X	X	-	-	-	-

CB-0480	X	X	X	.	.	.	.
CB-0481	X	X	X	.	.	.	.
CB-0482	X	X	X	.	.	.	.
CB-0483	X	X	X	.	.	.	.
CB-0484	X	X	X	.	.	.	.
CB-0485	X	X	X	.	.	.	.
CB-0486	X	X	X	.	X	.	.
CB-0487	X	X	X	.	.	.	.
CB-0488	X	X	X	.	.	.	.
CB-0489	X	X	X	.	.	.	.
CB-0490	X	X	X	.	.	.	.
CB-0491	X	X	X	X	.	.	.
CB-0492	X	X	X	.	.	.	.
CB-0493	X	X	X	.	X	.	.
CB-0494	X	X	X	.	X	.	.
CB-0495	X	X	X	.	X	.	.
CB-0496	X	X	X	.	.	.	.
CB-0497	X	X	X	.	X	.	.
CB-0498	X	X	X	.	.	.	.
CB-0499	X	X	X	.	.	.	.
CB-0500	X	X	X	.	.	.	.
CB-0501	X	X	X	X	.	.	.
CB-0502	X	X	X	.	.	.	.
CB-0503	X	X	X	.	.	.	.
CB-0504	X	X	X	.	.	.	.
CB-0505	X	X	X	X	.	.	.
CB-0506	X	X	X	.	.	.	.
CB-0507	X	X	X	.	.	.	.
CB-0508	X	X	X	.	.	.	.
CB-0509	X	X	X	.	.	.	.
CB-0510	X	X	X	X	.	.	.
CB-0511	X	X	X	.	.	.	.
CB-0512	X	X	X	X	.	.	.
CB-0513	X	X	X	.	.	.	.
CB-0514	X	X	X	.	.	.	.
CB-0515	X	X	X	.	.	.	.
CB-0516	X	X	X	.	.	.	.
CB-0517	X	X	X	.	.	.	.
CB-0518	X	X	X	.	.	.	.
CB-0519	X	X	X	.	.	.	.
CB-0520	X	X	X	.	X	X	.
CB-0521	X	X	X	.	.	.	.
CB-0522	X	X	X	.	.	.	.
CB-0523	X	X	X	.	.	.	.

CB-0524	X	X	X	X	.	.	.
CB-0525	X	X	X	.	.	.	
CB-0526	X	X	X	.	.	.	
CB-0527	X	X	X	.	.	.	
CB-0528	X	X	X	.	.	.	
CB-0529	X	X	X	.	X	.	
CB-0530	X	X	X	.	.	.	
CB-0531	X	X	X	.	.	.	
CB-0532	X	X	X	.	.	.	
CB-0533	X	X	X	.	.	.	
CB-0534	X	X	X	.	.	.	
CB-0535	X	X	X	X	.	.	
CB-0536	X	X	X	.	X	.	
CB-0537	X	X	X	.	.	.	
CB-0538	X	X	X	.	.	.	
CB-0539	X	X	X	X	.	.	
CB-0540	X	X	X	X	.	.	
CB-0541	X	X	X	.	.	.	
CB-0542	X	X	X	.	.	.	
CB-0543	X	X	X	.	.	.	
CB-0544	X	X	X	.	.	.	
CB-0545	X	X	X	.	.	.	
CB-0546	X	X	X	.	.	.	
CB-0547	X	X	X	.	.	.	
CB-0548	X	X	X	.	.	.	
CB-0549	X	X	X	.	.	.	
CB-0550	X	X	X	.	.	.	
CB-0551	X	X	X	.	X	.	
CB-0552	X	X	X	.	.	.	
CB-0553	X	X	X	.	.	.	
CB-0554	X	X	X	.	X	.	
CB-0555	X	X	X	.	.	.	
CB-0556	X	X	X	.	X	.	
CB-0557	X	X	X	X	.	.	
CB-0558	X	X	X	.	X	X	
CB-0559	X	X	X	.	.	.	
CB-0560	X	X	X	.	.	.	
CB-0561	X	X	X	.	.	.	
CB-0562	X	X	X	.	.	.	
CB-0563	X	X	X	.	.	.	
CB-0564	X	X	X	.	.	.	
CB-0565	X	X	X	.	.	.	
CB-0566	X	X	X	.	.	.	
CB-0567	X	X	X	.	X	.	

CB-0568	X	X	X	.	.	.	.
CB-0569	X	X	X	.	.	.	.
CB-0570	X	X	X	.	.	.	.
CB-0571	X	X	X	.	X	.	.
CB-0572	X	X	X	.	.	.	.
CB-0573	X	X	X	.	.	.	.
CB-0574	X	X	X	.	X	.	.
CB-0575	X	X	X	.	.	.	.
CB-0576	X	X	X	.	.	.	.
CB-0577	X	X	X	.	.	.	.
CB-0578	X	X	X	.	.	X	.
CB-0579	X	X	X	.	.	.	.
CB-0580	X	X	X	.	.	.	.
CB-0581	X	X	X	.	.	.	.
CB-0582	X	X	X	.	.	.	.
CB-0583	X	X	X	.	.	.	.
CB-0584	X	X	X	.	.	.	.
CB-0585	X	X	X	.	.	.	.
CB-0586	X	X	X	.	.	.	.
CB-0587	X	X	X	.	.	.	.
CB-0588	X	X	X	.	.	.	.
CB-0589	X	X	X	X	.	.	.
CB-0590	X	X	X	.	.	.	.
CB-0591	X	X	X	.	.	X	.
CB-0592	X	X	X	.	.	.	.
CB-0593	X	X	X	.	.	.	.
CB-0594	X	X	X	X	.	.	.
CB-0595	X	X	X	.	.	.	.
CB-0596	X	X	X	.	.	.	.
CB-0597	X	X	X	X	.	.	.
CB-0598	X	X	X	.	.	.	.
CB-0599	X	X	X	.	.	.	.
CB-0600	X	X	X	.	.	.	.
CB-0601	X	X	X	.	.	.	.
CB-0602	X	X	X	.	.	.	.
CB-0603	X	X	X	.	.	.	.
CB-0604	X	X	X	X	.	.	.
CB-0605	X	X	X	.	.	.	.
CB-0606	X	X	X	.	.	.	.
CB-0607	X	X	X	.	.	.	.
CB-0608	X	X	X	.	.	.	.
CB-0609	X	X	X	.	.	.	.
CB-0610	X	X	X	.	.	.	.
CB-0611	X	X	.	.	.	.	.



CB-0612	X	X	.	X	.	.	.	.	.	.	.
CB-0613	X	X	.	X	.	.	.	.	.	.	.
CB-0614	X	X	.	.	.	.	.	.	.	.	.
CB-0615	X	X	.	X	.	.	.	.	.	.	.
CB-0616	X	X	.	.	.	.	.	.	.	.	.
CB-0617	X	X	.	.	.	.	.	.	.	.	.
CB-0618	X	X	.	X	.	.	.	.	.	.	.
CB-0619	X	X	.	.	.	.	.	.	.	.	.
CB-0620	X	X	.	.	.	.	.	.	.	.	.
CB-0621	X	X	.	X	.	.	.	.	.	.	.
CB-0622	X	X	.	X	.	.	.	.	.	.	.
CB-0623	X	X	.	.	.	.	.	.	.	.	.
CB-0624	X	X	.	.	.	.	.	.	.	.	.
CB-0625	X	X	.	.	.	.	.	.	.	.	.
CB-0626	X	X	.	X	.	.	.	.	.	.	.
CB-0627	X	X	.	X	.	.	.	.	.	.	.
CB-0628	X	X	.	.	.	.	.	.	.	.	.
CB-0629	X	X	.	.	.	.	.	.	.	.	.
CB-0630	X	X	.	X	.	.	.	.	.	.	.
CB-0631	X	X	.	.	.	.	.	.	.	.	.
CB-0632	X	X	.	.	.	.	.	.	.	.	.
CB-0633	X	X	.	.	.	.	.	.	.	.	.
CB-0634	X	X	.	.	.	.	.	.	.	.	.
CB-0635	X	X	.	.	.	.	.	.	.	.	.
CB-0636	X	X	.	.	.	.	.	.	.	.	.
CB-0637	X	X	.	.	.	.	.	.	.	.	.
CB-0638	X	X	.	.	.	.	.	.	.	.	.
CB-0639	X	X	.	.	.	.	.	.	.	.	.
CB-0640	X	X	.	.	.	.	.	.	.	.	.
CB-0641	X	X	.	.	.	.	.	.	.	.	.
CB-0642	X	X	.	.	.	.	.	.	.	.	.
CB-0643	X	X	.	.	.	.	.	.	.	.	.
CB-0644	X	X	.	.	.	.	.	.	.	.	.
CB-0645	X	X	.	.	.	.	.	.	.	.	.
CB-0646	X	X	.	.	.	.	.	.	.	.	.
CB-0647	X	X	.	.	.	.	.	.	.	.	.
CB-0648	X	X	.	.	.	.	.	.	.	.	.
CB-0649	X	X	.	.	.	.	.	.	.	.	.
CB-0650	X	X	.	.	.	.	.	.	.	.	.
CB-0651	X	X	.	.	.	.	.	.	.	.	.
CB-0652	X	X	.	.	.	.	.	.	.	.	.
CB-0653	X	X	.	.	.	.	.	.	.	.	.
CB-0654	X	X	.	.	.	.	.	.	.	.	.
CB-0655	X	X	.	.	.	.	.	.	.	.	.

CB-0656	X	X	-	-	-	-	-	-
CB-0657	X	X	-	-	-	-	-	-
CB-0658	X	X	-	-	-	-	-	-
CB-0659	X	X	-	-	-	-	-	-
CB-0660	X	X	-	-	-	-	-	-
CB-0661	X	X	-	-	-	-	-	-
CB-0662	X	X	-	-	-	-	-	-
CB-0663	X	X	-	-	-	-	-	-
CB-0664	X	X	-	-	-	-	-	-
CB-0665	X	X	-	-	-	-	-	-
CB-0666	X	X	-	-	-	-	-	-
CB-0667	X	X	-	-	-	-	-	-
CB-0668	X	X	-	-	-	-	-	-
CB-0669	X	X	-	-	-	-	-	-
CB-0670	X	X	-	-	-	-	-	-
CB-0671	X	X	-	-	-	-	-	-
CB-0672	X	X	-	-	-	-	-	-
CB-0673	X	X	-	-	-	-	-	-
CB-0674	X	X	-	X	-	-	-	-
CB-0675	X	X	-	-	-	-	-	-
CB-0676	X	X	-	X	-	-	-	-
CB-0677	X	X	-	X	-	-	-	-
CB-0678	X	X	-	-	-	-	-	-
CB-0679	X	X	-	-	-	-	-	-
CB-0680	X	X	-	-	-	-	-	-
CB-0681	X	X	-	-	-	-	-	-
CB-0682	X	X	-	X	-	-	-	-
CB-0683	X	X	-	X	-	-	-	-
CB-0684	X	X	-	-	-	-	-	-
CB-0685	X	X	-	-	-	-	-	-
CB-0686	X	X	-	-	-	-	-	-
CB-0687	X	X	-	X	-	-	-	-
CB-0688	X	X	-	-	-	-	-	-
CB-0689	X	X	-	X	-	-	-	-
CB-0690	X	X	-	X	-	-	-	-
CB-0691	X	X	-	-	-	-	X	-
CB-0692	X	X	-	-	-	-	-	-
CB-0693	X	X	-	X	-	-	-	-
CB-0694	X	X	X	-	-	-	-	-
CB-0695	X	X	X	X	-	-	-	-
CB-0696	X	X	-	X	-	-	-	-
CB-0697	X	X	-	X	-	-	-	-
CB-0698	X	X	-	-	-	-	-	-
CB-0699	X	X	-	X	-	-	-	-

CB-0700	X	X	.	.	.	.	.
CB-0701	X	X	.	.	.	.	.
CB-0702	X	X	.	X	.	.	.
CB-0703	X	X	.	X	.	.	.
CB-0704	X	X	.	X	.	.	.
CB-0705	X	X	.	X	.	.	.
CB-0706	X	X	.	X	.	.	.
CB-0707	X	X	X	X	.	.	.
CB-0708	X	X	.	X	.	.	.
CB-0709	X	X	.	.	.	.	.
CB-0710	X	X	.	.	.	.	.
CB-0711	X	X	.	X	.	.	.
CB-0712	X	X	.	.	.	.	.
CB-0713	X	X	.	X	.	.	.
CB-0714	X	X	.	X	.	.	.
CB-0715	X	X	.	.	.	.	.
CB-0716	X	X	.	X	.	.	.
CB-0717	X	X	.	X	.	.	.
CB-0718	X	X	X	.	.	.	.
CB-0719	X	X	.	X	.	.	.
CB-0720	X	X	.	X	.	.	.
CB-0721	X	X	.	.	.	X	.
CB-0722	X	X	.	.	.	.	.
CB-0723	X	X	.	X	.	.	.
CB-0724	X	X	.	.	.	.	.
CB-0725	X	X	.	X	.	.	.
CB-0726	X	X	.	.	.	.	.
CB-0727	X	X	.	X	.	.	.
CB-0728	X	X	.	X	.	.	.
CB-0729	X	X	.	.	.	.	.
CB-0730	X	X	.	X	.	.	.
CB-0731	X	X	.	.	.	.	.
CB-0732	X	X	.	.	.	.	.
CB-0733	X	X	.	.	.	.	.
CB-0734	X	X	.	.	.	.	.
CB-0735	X	X	.	X	.	.	.
CB-0736	X	X	.	.	.	.	.
CB-0737	X	X	.	X	.	.	.
CB-0738	X	X	.	.	.	.	.
CB-0739	X	X	.	X	.	.	.
CB-0740	X	X	.	.	.	.	.
CB-0741	X	X	.	X	.	.	.
CB-0742	X	X	.	.	.	.	.
CB-0743	X	X	.	.	.	.	.

CB-0744	X	X	.	X	.	.	.
CB-0745	X	X	X	X	.	.	.
CB-0746	X	X	X	X	.	.	.
CB-0747	X	X	X	.	.	.	.
CB-0748	X	X	X	.	.	.	.
CB-0749	X	X	X	X	.	.	.
CB-0750	X	X	X	.	.	.	.
CB-0751	X	X	.	.	.	.	.
CB-0752	X	X	.	X	.	.	.
CB-0753	X	X	.	X	.	.	.
CB-0754	X	X	.	.	.	.	.
CB-0755	X	X	.	.	.	.	.
CB-0756	X	X	.	X	.	.	.
CB-0757	X	X	.	X	.	.	.
CB-0758	X	X	.	.	.	.	.
CB-0759	X	X	.	.	.	.	.
CB-0760	X	X	.	.	.	.	.
CB-0761	X	X	.	X	.	.	.
CB-0762	X	X	.	.	.	.	.
CB-0763	X	X	.	.	.	.	.
CB-0764	X	X	.	.	.	.	.
CB-0765	X	X	.	X	.	.	.
CB-0766	X	X	.	X	.	.	.
CB-0767	X	X	.	.	.	.	.
CB-0768	X	X	.	X	.	.	.
CB-0769	X	X	.	.	.	.	.
CB-0770	X	X	.	X	.	.	.
CB-0771	X	X	.	.	.	.	.
CB-0772	X	X	.	.	.	.	.
CB-0773	X	X	.	X	.	.	.
CB-0774	X	X	.	.	.	.	.
CB-0775	X	X	.	X	.	.	.
CB-0776	X	X	.	.	.	.	.
CB-0777	X	X	.	.	.	.	.
CB-0778	X	X	.	X	.	.	.
CB-0779	X	X	.	.	.	.	.
CB-0780	X	X	.	X	.	.	.
CB-0781	X	X	.	.	.	.	.
CB-0782	X	X	.	.	.	.	.
CB-0783	X	X	.	.	.	.	.
CB-0784	X	X	.	X	.	.	.
CB-0785	X	X	.	.	.	.	.
CB-0786	X	X	.	X	.	.	.
CB-0787*	X	X	.	.	.	.	.

CB-0789	X	X	X						
CB-0790	X	X	X						
CB-0791	X	X		X					
CB-0792	X	X							
CB-0793	X	X							
CB-0794	X	X							
CB-0795	X	X		X					
CB-0796	X	X							
CB-0797	X	X							
CB-0798	X	X		X					
CB-0799	X	X		X					
CB-0800	X	X							
CB-0801	X	X							
CB-0802	X	X							
CB-0803	X	X							
CB-0804	X	X		X					
CB-0805	X	X							
CB-0806	X	X							
CB-0807	X	X							
CB-0808	X	X		X					
CB-0809	X	X							
CB-0810	X	X							
CB-0811	X	X							
CB-0812	X	X							
CB-0813	X	X		X					
CB-0814	X	X							
CB-0815	X	X							
CB-0816	X	X		X					
CB-0817	X	X							
CB-0818	X	X		X					
CB-0819	X	X							
CB-0820	X	X							
CB-0821	X	X							
CB-0822	X	X		X					
CB-0823	X	X							
CB-0824	X	X		X					
CB-0825	X	X							
CB-0826	X	X		X					
CB-0827	X	X							
CB-0828	X	X							
CB-0829	X	X							
CB-0830	X	X							
CB-0831	X	X		X					
CB-0832	X	X							

CB-0833	X	X	.	.	.	.	.	.
CB-0834	X	X	.	X	.	.	.	.
CB-0835	X	X	.	.	.	.	.	.
CB-0836	X	X	.	.	.	.	.	.
CB-0837	X	X	.	X	.	.	.	.
CB-0838	X	X	.	.	.	.	.	.
CB-0839	X	X	.	.	.	.	.	.
CB-0840	X	X	.	.	.	.	.	.
CB-0841	X	X	.	.	.	.	.	.
CB-0842	X	X	.	X	.	.	.	.
CB-0843	X	X	.	.	.	.	.	.
CB-0844	X	X	.	.	.	.	.	.
CB-0845	X	X	.	X	.	.	.	.
CB-0846	X	X	.	X	.	.	.	.
CB-0847	X	X	.	.	.	.	.	.
CB-0848	X	X	.	.	.	.	.	.
CB-0849	X	X	.	X	.	.	.	.
CB-0850	X	X	.	.	.	.	.	.
CB-0851	X	X	.	.	.	.	.	.
CB-0852	X	X	.	X	.	.	.	.
CB-0853	X	X	.	.	.	.	.	.
CB-0854	X	X	.	.	.	.	.	.
CB-0855	X	X	.	.	.	.	.	.
CB-0856	X	X	.	.	.	.	.	.
CB-0857	X	X	.	.	.	.	.	.
CB-0858	X	X	.	X	.	.	.	.
CB-0859	X	X	.	.	.	.	.	.
CB-0860	X	X	.	X	.	.	.	.
CB-0861	X	X	.	X	.	.	.	.
CB-0862	X	X	.	X	.	.	.	.
CB-0863	X	X	.	.	.	.	.	.
CB-0864	X	X	.	.	.	.	.	.
CB-0865	X	X	.	.	.	.	.	.
CB-0866	X	X	.	.	.	.	.	.
CB-0867	X	X	.	.	.	.	.	.
CB-0868	X	X	.	.	.	.	.	.
CB-0869	X	X	.	X	.	.	.	.
CB-0870	X	X	.	X	.	.	.	.
CB-0871	X	X	.	.	.	.	.	.
CB-0872	X	X	.	.	.	.	.	.
CB-0873	X	X	.	.	.	.	.	.
CB-0874	X	X	.	.	.	.	.	.
CB-0875	X	X	.	.	.	.	.	.
CB-0876	X	X	.	X	.	.	.	.

CB-0877	X	X	-	X	-	-	-
CB-0878	X	X	-	-	-	-	-
CB-0879	X	X	-	-	-	-	-
CB-0880	X	X	-	-	-	-	-
CB-0881	X	X	-	-	-	-	-
CB-0882	X	X	-	-	-	-	-
CB-0883	X	X	-	X	-	-	-
CB-0884	X	X	-	X	-	-	-
CB-0885	X	X	-	X	-	-	-
CB-0886	X	X	-	-	-	-	-
CB-0887	X	X	X	-	-	-	-

\* Sample number CB-0788 not allocated

# NERDDC PROJECT 1175:

## APPENDIX C: SEDIMENTARY AND TEXTURAL DATA

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Appendix C summarises sedimentary and textural data of the core samples collected during NERDDC Project 1175, including lithology, average grain size and sorting.

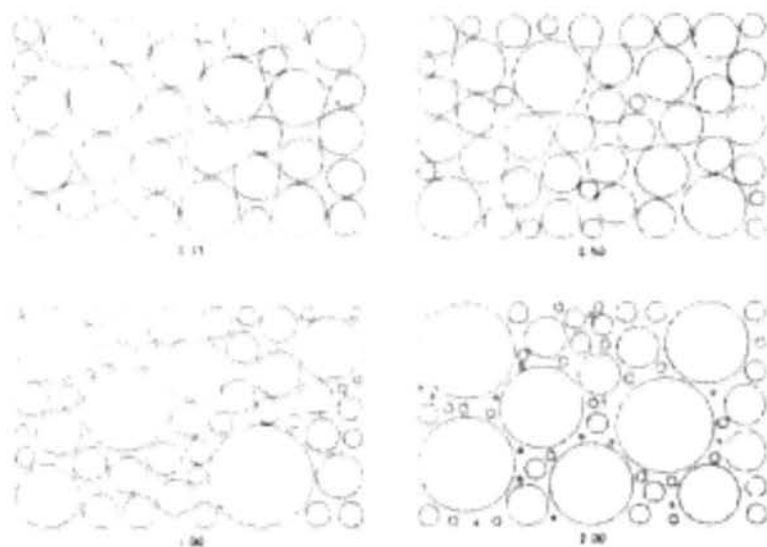
Mean grain diameter was determined by visual examination of samples in hand specimen and in thin section using the conventional Udden-Wentworth Scale (Tucker, 1981; see overleaf).

Average sorting was determined with the optical microscope using comparison charts for sorting by Pettijohn et al. (1972). The phi ( $\phi$ ) scale was adopted (see overleaf).



Comparison chart for sorting and sorting classes  
(from Pettijohn, Potter, and Siever, 1972)

SORTING IMAGES



DIAMETER RANGE MILLIMETERS	PERCENTAGE DISTRIBUTION	CLASSIFICATION	
0.25	0.00	very well sorted	WELL SORTED
0.50	0.25	well sorted	
1.00	0.50	moderately sorted	POORLY SORTED
2.00	1.00	poorly sorted	
4.00	2.00	very poorly sorted	

after Folk, 1953, p. 104-105

# Grain Size Scales for Sediments

The grain size scales are based on the work of the International Geotechnical Society (IGS) and the International Society for Soil Mechanics and Foundation Engineering (ISSMFE) and are based on the work of the International Geotechnical Society (IGS) and the International Society for Soil Mechanics and Foundation Engineering (ISSMFE).

The grain size scales are based on the work of the International Geotechnical Society (IGS) and the International Society for Soil Mechanics and Foundation Engineering (ISSMFE) and are based on the work of the International Geotechnical Society (IGS) and the International Society for Soil Mechanics and Foundation Engineering (ISSMFE).

Grain Size	mm	mm	mm	mm	Grain Size Class
Gravel	75	75	75	75	Gravel
Coarse Sand	4.75	4.75	4.75	4.75	Coarse Sand
Medium Sand	2.5	2.5	2.5	2.5	Medium Sand
Fine Sand	0.425	0.425	0.425	0.425	Fine Sand
Silt	0.075	0.075	0.075	0.075	Silt
Clay	0.0075	0.0075	0.0075	0.0075	Clay

Sample Number	Lithology	Grain size	Mean grain diameter (mm)	Grain sorting	Phi scale
CB-0001	Siltstone	Very fine	0.05	Moderate-poor	1
CB-0002	Siltstone	Very fine	<0.01	Poor	1.5
CB-0003	Sandstone	Medium	0.3	Poor	1.8
CB-0004	Siltstone	Very fine	<0.01	-	N.A.
CB-0005	Sandstone	Fine-medium	0.25	Well-moderate	0.5
CB-0006	Sandstone	Fine-medium	0.25	Moderate	0.6
CB-0007	Sandstone	Fine	0.15	Poor	1.3
CB-0008	Sandstone	Very coarse	1.2	Very poor	2
CB-0009	Sandstone	Coarse	0.9	Very poor	2
CB-0010	Sandstone	Fine	0.2	Poor	1.8
CB-0011	Sandstone	Fine-medium	0.25	Poor	1.7
CB-0012	Sandstone	Medium	0.4	Poor	1.4
CB-0013	Sandstone	Medium	0.4	Poor	1.3
CB-0014	Sandstone	Fine	0.15	Poor	1.6
CB-0015	Sandstone	Very coarse	1.1	Very poor	2
CB-0016	Sandstone	Fine	0.2	Well-moderate	0.5
CB-0017	Sandstone	Fine	0.2	Well-moderate	0.5
CB-0018	Sandstone	Medium	0.3	Well-moderate	0.5
CB-0019	Sandstone	Fine	0.15	Poor	1.2
CB-0020	Sandstone	Very fine	0.1	Moderate	0.6
CB-0021	Sandstone	Very fine	0.1	Moderate	0.7
CB-0022	Sandstone	Medium	0.3	Well-moderate	0.5
CB-0023	Sandstone	Medium	0.4	Well-moderate	0.5
CB-0024	Congl.	V.coarse-granular	2	Very poor	2
CB-0025	Sandstone	Medium	0.4	Well-moderate	0.5
CB-0026	Sandstone	Medium-coarse	0.5	Well-moderate	0.5
CB-0027	Sandstone	Coarse	0.6	Very poor	2
CB-0028	Sandstone	Fine	0.2	Poor	1.3
CB-0029	Sandstone	Fine-medium	0.25	Poor	1.5
CB-0030	Sandstone	Coarse	0.7	Moderate	0.6
CB-0031	Sandstone	Medium	0.4	Well-moderate	0.5
CB-0032	Sandstone	Medium	0.3	Well-moderate	0.5
CB-0033	Sandstone	Coarse	0.8	Poor	1.7
CB-0034	Sandstone	Medium-coarse	0.5	Well	0.4
CB-0035	Sandstone	Fine-medium	0.2-0.25	Moderate-poor	0.5-1.4
CB-0036	Sandstone	Medium	0.4	Poor	1.4
CB-0037	Siltstone	Very fine	0.05	Poor	1.3
CB-0038	Sandstone	Fine	0.15	Poor	1.7
CB-0039	Shale	Very fine	<0.001	-	N.A.

CB-0040	Siltstone	Very fine	0.05	Poor	1.5
CB-0041	Sandstone	Fine	0.17	Well	0.4
CB-0042	Sandstone	Fine	0.18	Moderate	0.7
CB-0043	Sandstone	Medium	0.4	Poor	1.4
CB-0044	Congl.	Coarse	0.6	Poor	1.8
CB-0045	Shale/coal	Very fine	<0.001	.	N.A.
CB-0046	Shale/coal	Very fine	<0.001	.	N.A.
CB-0047	Shale/coal	Very fine	<0.001	.	N.A.
CB-0048	Siltstone	Very fine	<0.01	Poor	1.7
CB-0049	Sandstone	Fine-medium	0.25	Moderate	0.6
CB-0050	Sandstone	Fine	0.2	Poor	1.1
CB-0051	Sandstone	Fine	0.2	Well	0.4
CB-0052	Sandstone	Medium	0.3	Moderate-poor	1
CB-0053	Siltstone	Very fine	<0.01	Poor	1.6
CB-0054	Sandstone	Fine	0.18	Moderate	0.6
CB-0055	Sandstone	Fine	0.17	Moderate	0.7
CB-0056	Sandstone	Very fine	0.1	Well-moderate	0.5
CB-0057	Siltstone	Very fine	0.05	Well	0.4
CB-0058	Sandstone	Medium	0.35	Fair	N.A.
CB-0059	Sandstone	Very fine	0.08	Poor	1.5
CB-0060	Siltstone	Very fine	<0.01	Poor	1.5
CB-0061	Siltstone	Very fine	0.05	Moderate-poor	1
CB-0062	Siltstone	Very fine	0.04	Poor	1.1
CB-0063	Siltstone	Very fine	0.04	Poor	1.2
CB-0064	Sandstone	Very coarse	1.2	Very poor	2
CB-0065	Sandstone	Granular	2.2	Very poor	2
CB-0066	Sandstone	Very coarse	1.4	Poor	1.8
CB-0067	Sandstone	Granular	2.2	Very poor	2
CB-0068	Sandstone	Medium-coarse	0.5	Poor	1.7
CB-0069	Sandstone	Very coarse	1.1	Very poor	2
CB-0070	Sandstone	Very coarse	1.2	Poor	1.9
CB-0071	Sandstone	Coarse	0.6	Poor	1.7
CB-0072	Sandstone	V.coarse-granular	2	Very poor	2
CB-0073	Sandstone	Granular	2.2	Poor	N.A.
CB-0074	Siltstone	Very fine	<0.05	Poor	1.7
CB-0075	Sandstone	V.coarse granular	2	Very poor	2
CB-0076	Sandstone	Granular	2.5	Very poor	2
CB-0077	Sandstone	Very coarse	1.8	Very poor	2
CB-0078	Siltstone	Very fine	0.05	Well	N.A.
CB-0079	Sandstone	Very fine	0.1	Moderate	0.7
CB-0080	Sandstone	Medium	0.3	Moderate	0.8
CB-0081	Sandstone	Fine	0.2	Well-moderate	0.5
CB-0082	Sandstone	Fine-medium	0.25	Moderate	0.8
CB-0083	Sandstone	Very fine-fine	0.15	Poor	1.6

CB-0084	Shale	Very fine	<0.001	Well	N.A.
CB-0085	Sandstone	Very fine-fine	0.1-0.2	Moderate	N.A.
CB-0086	Sandstone	Fine	0.2	Poor	1.3
CB-0087	Sandstone	Fine	0.2	Well	0.4
CB-0088	Sandstone	Medium	0.4	Poor	1.2
CB-0089	Sandstone	Medium-coarse	0.5	Poor	1.7
CB-0090	Sandstone	Fine-medium	0.15-0.4	Well-poor	0.4-1.9
CB-0091	Siltstone	Very fine	0.01	Well	N.A.
CB-0092	Sandstone	Medium	0.3	Moderate	0.6
CB-0093	Sandstone	Medium	0.4	Poor	1.8
CB-0094	Sandstone	Fine	0.12	Moderate	0.7
CB-0095	Sandstone	Granular	3	Very poor	2
CB-0096	Sandstone	Medium	0.4	Poor	1.6
CB-0097	Sandstone	Medium-coarse	0.5	Moderate	0.9
CB-0098	Shale	Very fine	<0.001	Well	N.A.
CB-0099	Shale	Very fine	<0.001	Well	N.A.
CB-0100	Sandstone	Fine	0.25	Well	0.4
CB-0101	Sandstone	Fine	0.2	Well-moderate	0.5
CB-0102	Sandstone	Very fine	0.1	Well	0.4
CB-0103	Shale	Very fine	<0.001	Moderate	N.A.
CB-0104	Sandstone	Very fine	0.12	Well	0.4
CB-0105	Sandstone	Very fine-medium	0.1-0.3	Poor	1.9
CB-0106	Sandstone	Medium	0.4	Poor	1.5
CB-0107	Sandstone	Medium	0.3	Well-moderate	0.4-0.7
CB-0108	Shale	Very fine	<0.001	Well	N.A.
CB-0109	Sandstone	Very coarse	1.5	Very poor	2
CB-0110	Shale	Very fine	<0.001	Well	N.A.
CB-0111	Sandstone	Very fine	0.07	Well	0.4
CB-0112	Siltstone	Very fine	0.02	Poor	1.8
CB-0113	Siltstone	Very fine	0.06	Poor	1.1
CB-0114	Sandstone	Medium-coarse	0.5	Poor	1.9
CB-0115	Sandstone	Medium	0.3	Moderate	0.8
CB-0116	Sandstone	Medium-coarse	0.5	Moderate	0.6
CB-0117	Sandstone	Medium	0.3	Poor	1.6
CB-0118	Sandstone	Coarse	0.7	Poor	1.2
CB-0119	Sandstone	Fine	0.2	Moderate-poor	1
CB-0120	Sandstone	Fine	0.15	Poor	1.3
CB-0121	Sandstone	Coarse	0.7	Very poor	2
CB-0122	Sandstone	Fine	0.2	Moderate	0.6
CB-0123	Sandstone	Very fine	0.08	Poor	1.3
CB-0124	Sandstone	Medium	0.4	Moderate	0.6
CB-0125	Sandstone	Fine-medium	0.25	Poor	1.5
CB-0126	Sandstone	Fine	0.15	Poor	1.3
CB-0127	Sandstone	Medium	0.3	Moderate	0.7

CB-0128	Sandstone	Very fine	1.2	Poor	1.8
CB-0129	Sandstone	Very coarse	1.8	Poor	1.7
CB-0130	Sandstone	Very fine	0.08	Poor	1.5
CB-0131	Sandstone	Fine	0.15	Poor	1.6
CB-0132	Sandstone	Very fine	0.1	Moderate	0.8
CB-0133	Sandstone	Fine	0.15	Poor	1.6
CB-0134	Sandstone	Fine	0.2	Moderate	0.8
CB-0135	Sandstone	Fine	0.17	Poor	1.4
CB-0136	Sandstone	Fine	0.15	Poor	1.5
CB-0137	Sandstone	Fine	0.18	Well	0.45
CB-0138	Sandstone	Very fine	0.1	Well-moderate	0.5
CB-0139	Siltstone	Very fine	0.05	Moderate	0.9
CB-0140	Sandstone	Fine	0.2	Poor	1.7
CB-0141	Sandstone	Very fine	0.1	Well-moderate	0.5
CB-0142	Shale	Very fine	<0.001	Well	N.A.
CB-0143	Silt/sandstone	Very fine-medium	<0.01-0.3	Poor	1.9
CB-0144	Sandstone	Medium	0.4	Moderate	0.7
CB-0145	Sandstone	Fine-medium	0.25	Poor	1.3
CB-0146	Siltstone	Very fine	0.05	Moderate	0.8
CB-0147	Sandstone	Fine	0.2	Well-moderate	0.5
CB-0148	Sandstone	Medium	0.3	Moderate	0.6
CB-0149	Siltstone	Very fine	0.02	Poor	1.5
CB-0150	Sandstone	Very coarse	1.2	Very poor	2
CB-0151	Sandstone	Coarse	0.8	Poor	1.4
CB-0152	Sandstone	Medium	0.3	Poor	1.2
CB-0153	Sandstone	Medium	0.4	Moderate	0.8
CB-0154	Sandstone	Coarse	0.7	Moderate	0.9
CB-0155	Sandstone	Fine	0.2	Well-moderate	0.5
CB-0156	Sandstone	Medium	0.3	Poor	1.3
CB-0157	Sandstone	Very coarse	1.1	Poor	1.8
CB-0158	Sandstone	Fine-medium	0.25	Moderate	0.65
CB-0159	Sandstone	Very fine	0.08	Moderate	0.8
CB-0160	Sandstone	Fine	0.2	Moderate	0.8
CB-0161	Sandstone	Medium	0.3	Moderate	0.8
CB-0162	Sandstone	Medium	0.4	Well-moderate	0.5
CB-0163	Sandstone	Fine	0.2	Poor	1.7
CB-0164	Siltstone	Very fine	0.04	Poor	1.7
CB-0165	Sandstone	Very fine	0.1	Well-moderate	0.5
CB-0166	Sandstone	Fine	0.2	Well	0.45
CB-0167	Sandstone	Medium	0.3	Moderate	0.9
CB-0168	Sandstone	Fine-medium	0.25	Moderate	0.7
CB-0169	Sandstone	Very fine	0.1	Poor	1.2
CB-0170	Sandstone	Very fine	0.1	Poor	1.2
CB-0171	Siltstone	Very fine	0.03	Poor	1.3

CB-0172	Siltstone	Very fine	0.05	Well-moderate	0.5
CB-0173	Sandstone	Fine	0.2	Moderate	0.9
CB-0174	Shale	Very fine	<0.001	Fair	N.A.
CB-0175	Siltstone	Very fine	0.04	Poor	1.6
CB-0176	Siltstone	Very fine	0.05	Moderate	0.7
CB-0177	Siltstone	Very fine	0.04	Poor	1.7
CB-0178	Shale/silt	Very fine	<0.01	Well	N.A.
CB-0179	Shale	Very fine	<0.001	Well	N.A.
CB-0180	Sandstone	Fine	0.18	Well-moderate	0.5
CB-0181	Sandstone	Very fine	0.1	Well	0.3
CB-0182	Sandstone	Very fine-fine	0.125	Moderate-poor	1
CB-0183	Sandstone	Fine	0.15	Poor	1.3
CB-0184	Sandstone	Fine	0.17	Poor	1.4
CB-0185	Sandstone	Very fine	0.1	Poor	1.7
CB-0186	Sandstone	Fine	0.15	Moderate	0.7
CB-0187	Sandstone	Fine	0.15	Moderate	0.7
CB-0188	Sandstone	Fine	0.17	Moderate	0.7
CB-0189T	Sandstone	Very coarse	1.5	Poor	1.5
CB-0189L	Silt	Very fine	<0.01	Well	N.A.
CB-0190	Sandstone	Fine	0.15	Poor	1.7
CB-0191	Sandstone	Fine	0.2	Moderate	0.7
CB-0192	Sandstone	Medium	0.4	Moderate	0.8
CB-0193	Sandstone	Very fine	0.1	Moderate	0.7
CB-0194	Shale/silt	Very fine	<0.01	Fair	N.A.
CB-0195	Sandstone	Fine	0.15	Moderate	0.8
CB-0196	Sandstone	Fine	0.18	Moderate	0.7
CB-0197	Sandstone	Fine	0.2	Moderate-poor	0.5-1.7
CB-0198	Sandstone	Very coarse	1.8	Well	0.4
CB-0199	Sandstone	Fine	0.15	Well-moderate	0.5
CB-0200	Shale/silt	Very fine	<0.01	Well	N.A.
CB-0201	Sandstone	Medium-coarse	0.4-0.8	Moderate-poor	0.7-1.1
CB-0202	Sandstone	Fine-medium	0.25	Poor	1.2
CB-0203	Sandstone	Fine	0.2	Poor	1.4
CB-0204	Siltstone	Very fine	0.05	Poor	1.9
CB-0205	Sandstone	Medium	0.4	Moderate	0.7
CB-0206	Sandstone	Medium	0.3	Poor	1.6
CB-0207	Sandstone	Fine	0.15	Poor	1.7
CB-0208	Sandstone	Very fine	0.08	Poor	1.8
CB-0209	Sandstone	Very fine	0.1	Poor	1.8
CB-0210	Sandstone	Very fine	0.1	Very poor	2
CB-0211	Sandstone	Fine	0.15	Moderate	0.8
CB-0212	Sandstone	Very fine	0.1	Moderate	0.8
CB-0213	Sandstone	Fine-medium	0.25	Moderate	0.9
CB-0214	Sandstone	Coarse-v.coarse	1	Very poor	2

CB-0215	Sandstone	Medium	0.3	Moderate-poor	1
CB-0216	Sandstone	Coarse	0.6	Poor	1.9
CB-0217	Sandstone	Medium	0.3	Poor	1.4
CB-0218	Sandstone	Fine	0.2	Poor	1.6
CB-0219	Sandstone	Coarse	0.8	Very poor	2
CB-0220	Sandstone	Coarse	0.7	Poor	1.9
CB-0221	Sandstone	Medium	0.4	Moderate-poor	1
CB-0222	Sandstone	Coarse	0.7	Poor	1.7
CB-0223	Sandstone	Coarse	0.6	Poor	1.9
CB-0224	Sandstone	Very coarse	1.8	Very poor	2
CB-0225	Siltstone	Very fine	0.05	Poor	1.8
CB-0226	Siltstone	Very fine	0.01	Poor	1.7
CB-0227	Sandstone	Fine	0.18	Moderate	0.7
CB-0228	Sandstone	Fine-medium	0.25	Poor	1.2
CB-0229	Sandstone	Fine-medium	0.25	Poor	1.4
CB-0230	Sandstone	Medium	0.35	Well	0.4
CB-0231	Sandstone	Fine	0.15	Poor	1.4
CB-0232	Sandstone	Fine	0.2	Poor	1.5
CB-0233	Sandstone	Medium-coarse	0.5	Poor	1.4
CB-0234	Sandstone	Fine	0.15	Moderate	0.6
CB-0235	Sandstone	Very fine	0.08	Moderate	0.7
CB-0236	Sandstone	Fine	0.15	Moderate	0.6
CB-0237	Sandstone	Fine	0.15	Moderate	0.7
CB-0238	Sandstone	Fine	0.15	Poor	1.4
CB-0239	Shale	Very fine	<0.001	Fair	N.A.
CB-0240	Sandstone	Fine	0.25	Well-moderate	0.5
CB-0241	Shale	Very fine	<0.001	Fair	N.A.
CB-0242	Sandstone	Fine	0.15	Poor	1.9
CB-0243	Sandstone	Very fine	0.1	Poor	1.3
CB-0244	Sandstone	Fine	0.2	Poor	1.7
CB-0245	Sandstone	Coarse-v.coarse	1	Poor	1.9
CB-0246	Sandstone	Fine	0.2	Moderate	0.7
CB-0247	Siltstone	Very fine	0.03	Poor	1.9
CB-0248	Sandstone	Fine	0.2	Poor	1.8
CB-0249	Silt/sandstone	Very fine	0.05-0.1	Very poor	2
CB-0250	Siltstone	Very fine	0.02	Poor	1.8
CB-0251	Siltstone	Very fine	0.05	Poor	1.7
CB-0252	Sandstone	Coarse	0.55	Very poor	2
CB-0253	Sandstone	Medium	0.3	Poor	1.4
CB-0254	Sandstone	Fine-medium	0.25	Moderate-poor	0.8-1.5
CB-0255	Sandstone	Medium	0.3	Poor	1.6
CB-0256	Sandstone	Medium	0.3	Poor	1.4
CB-0257	Sandstone	Very fine	0.07	Poor	1.3
CB-0258	Sandstone	Fine	0.15	Poor	1.3



CB-0259	Sandstone	Medium	0.3	Very poor	2
CB-0260	Sandstone	Fine	0.2	Poor	1.5
CB-0261	Sandstone	Fine-medium	0.2-0.3	Poor	1.5
CB-0262	Sandstone	Medium	0.3	Moderate	0.8
CB-0263	Sandstone	Medium-coarse	0.5	Poor	1.2
CB-0264	Sandstone	Medium-coarse	0.5	Poor	1.9
CB-0265	Sandstone	Coarse	0.6	Poor	1.9
CB-0266	Sandstone	Fine	0.2	Moderate	0.7
CB-0267	Siltstone	Very fine	0.04	Moderate	0.8
CB-0268	Sandstone	Very fine	0.07	Poor	1.9
CB-0269	Silt/sandstone	Very fine-fine	0.05-0.2	Poor	1.2-1.7
CB-0270	Sandstone	Medium	0.3	Poor	1.5
CB-0271	Sandstone	Medium	0.3	Moderate	0.8
CB-0272	Sandstone	Medium	0.4	Moderate-poor	1
CB-0273	Siltstone	Very fine	<0.02	Poor	1.8
CB-0274	Sandstone	Very fine	0.1	Moderate	0.7
CB-0275	Shale/silt	Very fine	<0.01	-	N.A.
CB-0276	Sandstone	Very fine	0.2	Moderate	0.7
CB-0277	Sandstone	Fine	0.15	Well	0.4
CB-0278	Sandstone	Very fine	0.12	Well-moderate	0.5
CB-0279	Sandstone	Fine	0.15	Well-moderate	0.5
CB-0280	Shale	Very fine	<0.001	-	N.A.
CB-0281	Sandstone	Fine-medium	0.25	Moderate	0.6
CB-0282	Sandstone	Fine	0.2	Well-moderate	0.5
CB-0283	Sandstone	Medium-coarse	0.5	Poor	1.2
CB-0284	Sandstone	Granular	2.3	Very poor	2
CB-0285	Sandstone	Coarse	0.6	Moderate-poor	1
CB-0286	Shale	Very fine	<0.001	-	N.A.
CB-0287	Sandstone	Medium	0.3	Poor	1.7
CB-0288	Sandstone	Very fine	0.08	Moderate	0.7
CB-0289	Sandstone	Very fine	0.1	Poor	1.2
CB-0290	Sandstone	Fine	0.15	Moderate	0.9
CB-0291	Siltstone	Very fine	0.02	Poor	1.9
CB-0292	Sandstone	Fine	0.2	Poor	1.7
CB-0293	Sandstone	Fine	0.2	Poor	1.5
CB-0294	Sandstone	Very fine	0.1	Moderate	0.6
CB-0295	Siltstone	Very fine	0.01	Poor	1.9
CB-0296	Sandstone	Medium	0.3	Moderate	0.8
CB-0297	Sandstone	Medium	0.4	Moderate	0.7
CB-0298	Sandstone	Fine	0.15	Poor	1.7
CB-0299	Sandstone	Medium	0.3	Poor	1.8
CB-0300	Sandstone	Fine-medium	0.25	Poor	1.8
CB-0301	Sandstone	Coarse	0.7	Poor	1.8
CB-0302	Sandstone	Coarse	0.7	Poor	1.4

CB-0303	Siltstone	Very fine	0.05	Poor	1.7
CB-0304	(PLUG)	-	-	-	N.A.
CB-0305	Sandstone	Granular	2.8	Very poor	2
CB-0306	(FLUG)	-	-	-	N.A.
CB-0307	Sandstone	Medium	0.4	Moderate	0.9
CB-0308	Sandstone	Coarse	0.6	Moderate-poor	1
CB-0309	Sandstone	Medium	0.3	Moderate	0.7
CB-0310	Sandstone	Medium	0.3	Moderate	0.9
CB-0311	Sandstone	Fine	0.2	Moderate	0.55
CB-0312	Siltstone	Very fine	0.05	Well	0.4
CB-0313	Sandstone	Very fine	0.1	Poor	1.2
CB-0314	Sandstone	Fine	0.15	Moderate	0.9
CB-0315	Sandstone	Medium	0.4	Poor	1.2
CB-0316	Siltstone	Very fine	0.04	Poor	1.8
CB-0317	Siltstone	Very fine	0.03	Poor	1.8
CB-0318	Sandstone	Fine	0.15	Poor	1.3
CB-0319	Sandstone	Very fine	0.1	Poor	1.4
CB-0320	Sandstone	Very fine	0.08	Poor	1.2
CB-0321	Sandstone	Medium	0.3	Poor	1.3
CB-0322	Sandstone	Medium	0.35	Well-moderate	0.5
CB-0323	Sandstone	Medium-coarse	0.5	Very poor	2
CB-0324	Sandstone	Fine	0.15	Moderate-poor	1
CB-0325	Sandstone	Fine-medium	0.25	Moderate	0.9
CB-0326	Sandstone	Very fine	0.1	Poor	1.2
CB-0327	Sandstone	Fine	0.2	Moderate	0.9
CB-0328	Sandstone	Fine-medium	0.25	Moderate	0.7
CB-0329	Sandstone	Granular	2.5	Very poor	2
CB-0330	Sandstone	Very fine	0.1	Poor	1.6
CB-0331	Siltstone	Very fine	0.05	Poor	1.7
CB-0332	Siltstone	Very fine	0.02	Poor	1.8
CB-0333	Siltstone	Very fine	0.02	Poor	1.9
CB-0334	Sandstone	Very fine	0.1	Moderate	0.8
CB-0335	Sandstone	Very fine	0.1	Moderate	0.7
CB-0336	Sandstone	Fine	0.2	Poor	1.5
CB-0337	Sandstone	Fine	0.15	Poor	1.5
CB-0338	Sandstone	Fine	0.15	Poor	1.7
CB-0339	Sandstone	Medium-coarse	0.5	Poor	1.8
CB-0340	Sandstone	Medium-coarse	0.5	Poor	1.6
CB-0341	Siltstone	Very fine	0.03	Poor	1.7
CB-0342	Sandstone	Medium	0.3	Moderate	0.7
CB-0343	Sandstone	Fine	0.2	Moderate	0.8
CB-0344	Sandstone	Medium	0.4	Poor	1.9
CB-0345	Sandstone	Very fine	0.1	Poor	1.6
CB-0346	Sandstone	Fine	0.2	Moderate	0.7

CB-0347	Sandstone	Very fine	0.1	Poor	1.7
CB-0348	Sandstone	Medium	0.4	Very poor	2
CB-0349	Sandstone	Medium	0.3	Well	0.3
CB-0350	Sandstone	Fine	0.15	Poor	1.6
CB-0351	Sandstone	Fine	0.15	Moderate	0.7
CB-0352	Sandstone	Fine	0.15	Poor	1.1
CB-0353	Sandstone	Fine-medium	0.25	Moderate	0.8
CB-0354	Sandstone	Fine-medium	0.25	Well	0.4
CB-0355	Sandstone	Coarse-v.coarse	1	Poor	1.9
CB-0356	Sandstone	Fine	0.18	Well	0.4
CB-0357	Sandstone	Very fine	0.1	Poor	1.2
CB-0358	Sandstone	Fine	0.15	Moderate	0.7
CB-0359	Sandstone	Fine	0.15	Poor	1.3
CB-0360	Siltstone	Very fine	0.02	Poor	1.7
CB-0361	Sandstone	Coarse-v.coarse	1	Poor	1.9
CB-0362	Sandstone	Medium	0.35	Poor	1.3
CB-0363	Sandstone	Very fine	0.1	Moderate	0.9
CB-0364	Sandstone	Very fine	0.1	Poor	1.7
CB-0365	Sandstone	Fine-medium	0.25	Poor	1.7
CB-0366	Sandstone	Fine	0.2	Poor	1.3
CB-0367	Sandstone	Fine	0.15	Poor	1.3
CB-0368	Sandstone	Coarse	0.8	Moderate	0.9
CB-0369	Sandstone	Granular	2.5	Very poor	2
CB-0370	Siltstone	Very fine	0.05	Well	0.4
CB-0371	Sandstone	Very fine	0.08	Moderate	0.8
CB-0372	Coal	-	-	-	N.A.
CB-0373	Sandstone	Very fine	0.1	Poor	1.6
CB-0374	Sandstone	Fine	0.15	Poor	1.5
CB-0375	Siltstone	Very fine	0.001	Poor	1.7
CB-0376	Siltstone	Very fine	<0.01	Poor	1.8
CB-0377	Sandstone	Fine	0.15	Poor	1.1
CB-0378	Sandstone	Fine-medium	0.25	Moderate	0.9
CB-0379	Sandstone	Very fine	0.12	Well-moderate	0.5
CB-0380	Sandstone	Fine	0.15	Moderate	0.8
CB-0381	Siltstone	Very fine	0.1	Moderate	0.7
CB-0382	Sandstone	Fine	0.2	Well	0.4
CB-0383	Sandstone	Fine	0.15	Moderate	0.7
CB-0384	Siltstone	Very fine	0.0125	Moderate	0.6
CB-0385	Sandstone	Medium	0.3	Moderate	0.7
CB-0386	Sandstone	Medium	0.3	Poor	1.2
CB-0387	Sandstone	Medium	0.4	Moderate	0.9
CB-0388	Sandstone	Fine-medium	0.25	Moderate	0.8
CB-0389	Sandstone	Medium	0.4	Well	0.4
CB-0390	Sandstone	Fine	0.15	Moderate	0.8

CB-0391	Siltstone	Very fine	0.05	Moderate	0.7
CB-0392	Sandstone	Medium	0.4	Moderate	0.8
CB-0393	Sandstone	Medium	0.3	Moderate	0.6
CB-0394	Sandstone	Medium	0.35	Well	0.4
CB-0395	Sandstone	Very fine	0.08	Moderate	0.7
CB-0396	Sandstone	Fine	0.2	Well	0.4
CB-0397	Sandstone	Medium	0.35	Moderate	0.75
CB-0398	Sandstone	Fine-medium	0.25	Moderate	0.6
CB-0399	Sandstone	Fine-medium	0.25	Moderate	0.7
CB-0400	Sandstone	Very coarse	1.2	Poor	1.8
CB-0401	Sandstone	Fine	0.15	Poor	1.2
CB-0402	Siltstone	Very fine	0.03	Poor	1.4
CB-0403	Sandstone	Very fine	0.1	Well	0.4
CB-0404	Sandstone	Very coarse	1.8	Well	0.4
CB-0405	Sandstone	Medium	0.35	Poor	1.4
CB-0406	Sandstone	Medium	0.4	Moderate	0.7
CB-0407	Sandstone	Fine-medium	0.25	Poor	1.4
CB-0408	Sandstone	Fine-medium	0.25	Moderate	0.7
CB-0409	Sandstone	Fine	0.15	Moderate	0.8
CB-0410	Sandstone	Fine	0.17	Poor	1.5
CB-0411	Sandstone	Very fine	0.1	Moderate	0.7
CB-0412	Sandstone	Fine	0.17	Well-moderate	0.5
CB-0413	Coal	-	-	-	N.A.
CB-0414	Sandstone	Fine	0.15	Poor	1.2
CB-0415	Sandstone	Very fine	0.1	Moderate	0.9
CB-0416	Sandstone	Fine	0.15	Moderate	0.9
CB-0417	Coal	-	-	-	N.A.
CB-0418	Sandstone	Fine	0.15	Moderate	0.7
CB-0419	Sandstone	Fine	0.15	Poor	1.2
CB-0420	Sandstone	Medium	0.4	Poor	1.5
CB-0421	Sandstone	Very fine	0.1	Moderate	0.7
CB-0422	Sandstone	Medium	0.4	Poor	1.3
CB-0423	Sandstone	Medium-coarse	0.5	Well	0.4
CB-0424	Sandstone	Coarse	0.8	Very poor	2
CB-0425	Sandstone	Very coarse	1.1	Poor	1.9
CB-0426	Sandstone	Granular	2.2	Poor	2
CB-0427	Siltstone	Very fine	<0.01	Well-moderate	0.5
CB-0428	Sandstone	Medium	0.4	Well	0.4
CB-0429	Sandstone	Coarse	0.6	Very poor	2
CB-0430	Sandstone	Fine	0.15	Moderate	0.7
CB-0431	Sandstone	Fine-medium	0.25	Moderate	0.8
CB-0432	Sandstone	Fine-medium	0.15-0.4	Poor	1.8
CB-0433	Sandstone	Fine	0.15	Poor	1.5
CB-0434	Sandstone	Fine-medium	0.25	Moderate	0.6

CB-0435	Sandstone	Very fine	0.1	Poor	1.2
CB-0436	Sandstone	Fine	0.2	Moderate	0.7
CB-0437	Sandstone	Medium-coarse	0.5	Poor	1.7
CB-0438	Sandstone	Medium-coarse	0.5	Poor	1.2
CB-0439	Sandstone	Medium	0.45	Moderate	0.8
CB-0440	Sandstone	Medium	0.4	Moderate	0.75
CB-0441	Sandstone	Medium	0.3	Moderate	0.6
CB-0442	Sandstone	Medium	0.35	Well	0.4
CB-0443	Sandstone	Coarse	0.7	Poor	1.3
CB-0444	Sandstone	Medium-coarse	0.5	Moderate	0.7
CB-0445	Sandstone	Medium-coarse	0.5	Moderate-poor	1
CB-0446	Sandstone	Coarse	0.7	Moderate	0.6
CB-0447	Sandstone	Fine	0.15	Moderate	0.7
CB-0448	Sandstone	Fine	0.15	Poor	1.5
CB-0449	Sandstone	Fine	0.15	Moderate	0.75
CB-0450	Sandstone	Medium	0.3	Moderate	0.6
CB-0451	Sandstone	Fine-medium	0.25	Moderate	0.65
CB-0452	Sandstone	Fine	0.2	Poor	1.7
CB-0453	Sandstone	Fine-medium	0.25	Moderate	0.55
CB-0454	Sandstone	Coarse	0.55	Poor	1.8
CB-0455	Sandstone	Very fine	0.1	Moderate	0.8
CB-0456	Sandstone	Fine	0.2	Well-moderate	0.5
CB-0457	Sandstone	Medium	0.35	Moderate	0.7
CB-0458	Sandstone	Medium	0.3	Poor	1.2
CB-0459	Sandstone	Medium	0.45	Moderate	0.55
CB-0460	Sandstone	Fine	0.2	Poor	1.3
CB-0461	Sandstone	Coarse	0.95	Very poor	2
CB-0462	Sandstone	Coarse	0.7	Moderate-poor	1
CB-0463	Sandstone	Medium	0.4	Poor	1.5
CB-0464	Sandstone	Coarse	0.55	Poor	1.6
CB-0465	Sandstone	Medium	0.3	Moderate	0.6
CB-0466	Sandstone	Medium	0.45	Poor	1.2
CB-0467	Sandstone	Medium	0.4	Moderate	0.7
CB-0468	Sandstone	Fine-medium	0.25	Poor	1.2
CB-0469	Sandstone	Coarse	0.55	Moderate	0.7
CB-0470	Sandstone	Coarse	0.6	Poor	1.8
CB-0471	Sandstone	Medium	0.4	Poor	1.3
CB-0472	Sandstone	Medium	0.4	Poor	1.9
CB-0473	Sandstone	Medium-coarse	0.5	Moderate	0.7
CB-0474	Sandstone	Very coarse	1.5	Very poor	2
CB-0475	Sandstone	Very coarse	1.3	Very poor	2
CB-0476	Sandstone	Fine	0.15	Well-moderate	0.4-1
CB-0477	Sandstone	Fine	0.2	Moderate	0.7
CB-0478	Sandstone	Very fine	0.1	Well	0.4

CB-0479	Sandstone	Fine	0.2	Poor	1.5
CB-0480	Sandstone	Fine coarse	0.2-1.0	Poor	1.9
CB-0481	Sandstone	Very coarse	1.5	Very poor	2
CB-0482	Sandstone	Fine	0.2	Moderate	0.7
CB-0483	Sandstone	Fine	0.15	Moderate	0.8
CB-0484	Sandstone	Fine-medium	0.25	Poor	1.4
CB-0485	Sandstone	Medium	0.3	Poor	1.7
CB-0486	Sandstone	Medium	0.3	Well-moderate	0.5
CB-0487	Sandstone	Coarse	0.8	Poor	1.9
CB-0488	Sandstone	Coarse	0.9	Moderate	0.7
CB-0489	Sandstone	Very fine	0.1	Poor	1.2
CB-0490	Sandstone	Fine-medium	0.25	Moderate	0.8
CB-0491	Sandstone	Fine	0.2	Moderate	0.9
CB-0492	Sandstone	Fine-medium	0.25	Moderate	0.75
CB-0493	Sandstone	Fine	0.15	Moderate	0.8
CB-0494	Sandstone	Very fine	0.1	Poor	1.6
CB-0495	Sandstone	Very fine	0.1	Moderate	0.7
CB-0496	Sandstone	Coarse	0.7	Very poor	2
CB-0497	Sandstone	Fine	0.2	Moderate	0.7
CB-0498	Sandstone	Fine	0.2	Poor	1.5
CB-0499	Sandstone	Fine-medium	0.25	Moderate	0.8
CB-0500	Sandstone	Medium	0.3	Moderate	0.7
CB-0501	Sandstone	Fine-medium	0.25	Moderate	0.6
CB-0502	Sandstone	Medium	0.4	Moderate	0.7
CB-0503	Sandstone	Fine	0.2	Moderate	0.7
CB-0504	Sandstone	Fine	0.2	Moderate	0.8
CB-0505	Sandstone	Medium	0.35	Moderate	0.7
CB-0506	Sandstone	Very fine-medium	0.1-0.25	Poor	1.3
CB-0507	Sandstone	Fine	0.15	Poor	1.4
CB-0508	Sandstone	Fine	0.15	Moderate	0.8
CB-0509	Sandstone	Fine	0.15	Moderate	0.7
CB-0510	Siltstone	Very fine	<0.01	Poor	1.9
CB-0511	Sandstone	Medium	0.3	Well	0.4
CB-0512	Sandstone	Medium	0.4	Moderate	0.7
CB-0513	Sandstone	Fine	0.15	Well-moderate	0.5
CB-0514	Sandstone	Fine-medium	0.25	Moderate	0.8
CB-0515	Sandstone	Medium-coarse	0.5	Poor	1.4
CB-0516	Sandstone	Fine	0.2	Moderate	0.7
CB-0517	Sandstone	Medium	0.3	Moderate-poor	1
CB-0518	Sandstone	Medium	0.3	Moderate	0.7
CB-0519	Sandstone	Medium	0.27	Moderate	0.6
CB-0520	Sandstone	Medium	0.4	Moderate	N.A.
CB-0521	Sandstone	Fine	0.15	Poor	1.2
CB-0522	Sandstone	Fine-medium	0.25	Moderate	0.6

CB-0523	Sandstone	Fine	0.15	Poor	1.5
CB-0524	Sandstone	Fine	0.15	Moderate	0.7
CB-0525	Sandstone	Medium	0.27	Poor	1.4
CB-0526	Sandstone	Medium-coarse	0.5	Poor	1.7
CB-0527	Sandstone	Very fine	0.1	Moderate	0.8
CB-0528	Sandstone	Fine	0.15	Poor	1.4
CB-0529	Siltstone	Very fine	<0.02	Moderate	0.6
CB-0530	Sandstone	Fine	0.15	Moderate	0.6
CB-0531	Sandstone	Coarse	0.7	Very poor	2
CB-0532	Sandstone	Granular	2.2	Poor	1.7
CB-0533	Sandstone	Coarse	0.8	Moderate	0.8
CB-0534	Sandstone	Medium	0.3	Well	0.4
CB-0535	Sandstone	Medium	0.4	Moderate	0.7
CB-0536	Sandstone	Coarse	0.7	Moderate	0.8
CB-0537	Sandstone	Medium	0.4	Moderate	0.6
CB-0538	Sandstone	Fine	0.15	Well-moderate	0.5
CB-0539	Sandstone	Fine-medium	0.25	Moderate	0.7
CB-0540	Sandstone	Medium	0.3	Moderate	0.7
CB-0541	Sandstone	Very fine	0.1	Poor	1.4
CB-0542	Sandstone	Medium	0.4	Poor	1.5
CB-0543	Sandstone	Fine	0.2	Well-moderate	0.5
CB-0544	Sandstone	Fine-medium	0.25	Moderate	0.7
CB-0545	Sandstone	Fine	0.2	Poor	1.5
CB-0546	Sandstone	Fine-medium	0.25	Poor	1.2
CB-0547	Sandstone	Medium	0.3	Poor	1.4
CB-0548	Sandstone	Medium	0.3	Well	0.4
CB-0549	Sandstone	Very fine	0.1	Moderate	0.8
CB-0550	Sandstone	Medium-coarse	0.5	Well	0.45
CB-0551	Sandstone	Coarse	0.7	Poor	1.8
CB-0552	Sandstone	Coarse	0.6	Poor	1.2
CB-0553	Sandstone	Fine	0.15	Poor	1.9
CB-0554	Siltstone	Very fine	0.05	Well-moderate	0.5
CB-0555	Sandstone	Very fine	0.1	Well-moderate	0.5
CB-0556	Sandstone	Fine	0.2	Moderate	0.6
CB-0557	Sandstone	Fine	0.15	Well	0.4
CB-0558	Sandstone	Very fine	0.1	Poor	1.8
CB-0559	Sandstone	Fine	0.15	Poor	1.8
CB-0560	Sandstone	Very fine	0.1	Moderate	0.6
CB-0561	Sandstone	Fine	0.15	Poor	1.7
CB-0562	Siltstone	Very fine	0.01	Poor	1.6
CB-0563	Sandstone	Fine	0.2	Moderate	0.7
CB-0564	Sandstone	Very fine	0.12	Poor	1.2
CB-0565	Sandstone	Fine	0.2	Well	0.45
CB-0566	Sandstone	Fine	0.2	Moderate	0.6

CB-0567	Sandstone	Fine-medium	0.25	Well	0.45
CB-0568	Sandstone	Fine-medium	0.25	Well	0.45
CB-0569	Sandstone	Fine	0.18	Moderate	0.8
CB-0570	Sandstone	Very fine	0.08	Poor	1.3
CB-0571	Sandstone	Very fine	0.1	Moderate	0.7
CB-0572	Sandstone	Fine	0.2	Moderate	0.7
CB-0573	Sandstone	Medium	0.4	Poor	1.2
CB-0574	Sandstone	Very coarse	1.2	Moderate	0.9
CB-0575	Sandstone	Very fine	0.1	Moderate	0.6
CB-0576	Sandstone	Very fine-medium	<0.1-0.3	Poor	1.8
CB-0577	Sandstone	Coarse	0.8	Poor	1.4
CB-0578	Sandstone	Fine	0.15	Poor	1.3
CB-0579	Sandstone	Medium	0.4	Moderate	0.7
CB-0580	Sandstone	Medium-coarse	0.5	Poor	1.7
CB-0581	Sandstone	Fine-medium	0.25	Moderate	0.7
CB-0582	Sandstone	Medium	0.4	Moderate	0.8
CB-0583	Sandstone	Coarse	0.7	Poor	1.4
CB-0584	Sandstone	Fine	0.23	Moderate	0.7
CB-0585	Sandstone	Coarse	0.8	Poor	1.8
CB-0586	Sandstone	Coarse	0.65	Well	0.45
CB-0587	Sandstone	Coarse	0.6	Poor	1.3
CB-0588	Sandstone	Medium	0.4	Moderate	0.7
CB-0589	Sandstone	Coarse	0.6	Poor	1.8
CB-0590	Sandstone	Medium	0.35	Moderate-poor	1
CB-0591	Sandstone	Coarse	0.7	Well-moderate	0.5
CB-0592	Sandstone	Medium-coarse	0.5	Moderate	0.7
CB-0593	Sandstone	Fine-medium	0.25	Moderate	0.7
CB-0594	Sandstone	Fine-medium	0.25	Moderate	0.6
CB-0595	Sandstone	Coarse	0.7	Moderate	0.8
CB-0596	Sandstone	Medium	0.3	Well	0.45
CB-0597	Sandstone	Fine-medium	0.25	Well	0.4
CB-0598	Sandstone	Medium	0.3	Well	0.4
CB-0599	Sandstone	Medium	0.45	Moderate	0.7
CB-0600	Sandstone	Coarse	0.8	Poor	1.8
CB-0601	Sandstone	Medium	0.4	Poor	1.7
CB-0602	Sandstone	Medium-coarse	0.5	Poor	1.9
CB-0603	Sandstone	Fine-medium	0.25	Well-moderate	0.5
CB-0604	Sandstone	Coarse-v.coarse	1	Poor	1.9
CB-0605	Sandstone	Medium	0.35	Poor	1.4
CB-0606	Sandstone	Fine	0.15	Poor	1.2
CB-0607	Sandstone	Fine-medium	0.25	Moderate	0.6
CB-0608	Sandstone	Coarse	0.7	Very poor	2
CB-0609	Sandstone	Coarse	0.6	Poor	1.9
CB-0610	Sandstone	Fine	0.15	Poor	1.5



CB-0745	Sandstone	Fine	0.2	Moderate	0.8
CB-0746	Sandstone	Fine-medium	0.25	Moderate	0.7
CB-0747	Sandstone	Fine	0.18	Poor	1.6
CB-0748	Sandstone	Fine-medium	0.25	Poor	1.6
CB-0749	Sandstone	Medium	0.27	Poor	1.5
CB-0750	Sandstone	Medium	0.3	Poor	1.8
CB-0887	Sandstone	Fine-medium	0.25	Moderate	0.8

- Sample number CB-0788 not allocated

# **NERDDC PROJECT 1175:**

## **APPENDIX D: CORE ANALYSES / POROSITY TYPES**

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Appendix D lists the core plugs which correspond to the location of samples collected during NERDDC Project 1175. Ambient core porosity (%) and core permeability (md) are shown, including cation exchange capacity (CEC) (meq/100g) and grain density (DENS) (gm/cc) where available.

Appendix D further provides information on the relative abundance of macroporosity observed in this section. Criteria for the identification of primary and secondary porosity are described in section 5.3.1 of the main text. Microporosity is estimated from the abundance of clay (chiefly kaolin) seen in this section; for kaolin abundances the reader is referred to Appendix L and the work of Alsop (1990), Thomas (1990) and Eleftheriou (1990).

Sample Number	$\phi$ (%)	K (md)	CEC	DENS	Primary porosity	Secondary porosity
CB-0001	-	-	-	-	Absent	Absent
CB-0002	-	-	-	-	Absent	Absent
CB-0003	-	-	-	-	Minor	?Trace
CB-0004	-	-	-	-	-	-
CB-0005	-	-	-	-	Minor	?Trace
CB-0006	-	-	-	-	Absent	Absent
CB-0007	-	-	-	-	Absent	Absent
CB-0008	-	-	-	-	Absent	Absent
CB-0009	8.9	2.9	-	-	Absent	?Trace
CB-0010	1.5	0.024	-	-	Absent	Absent
CB-0011	9.7	0.6	-	-	Absent	Absent
CB-0012	8.5	1.84	-	-	Minor	Trace
CB-0013	8.2	4.1	-	-	Minor	Minor
CB-0014	7.1	0.176	-	-	Absent	Absent
CB-0015	4.4	0.1	-	-	Trace	Absent
CB-0016	3.5	0.1	-	-	Absent	Absent
CB-0017	3.5	0.1	-	-	Absent	Absent
CB-0018	4.1	0.1	-	-	?Trace	Absent
CB-0019	-	-	-	-	Absent	Absent
CB-0020	-	-	-	-	Absent	Absent
CB-0021	-	-	-	-	Absent	Absent
CB-0022	-	-	-	-	Trace	Trace
CB-0023	-	-	-	-	Absent	?Trace
CB-0024	-	-	-	-	Absent	Absent
CB-0025	-	-	-	-	?	?
CB-0026	-	-	-	-	?	Absent
CB-0027	-	-	-	-	?	?
CB-0028	-	-	-	-	?	?
CB-0029	-	-	-	-	?	Absent
CB-0030	-	-	-	-	Trace	?Minor
CB-0031	-	-	-	-	Absent	?Minor
CB-0032	-	-	-	-	Trace	?Abundant
CB-0033	-	-	-	-	Trace	Minor
CB-0034	-	-	-	-	Trace	?Trace
CB-0035	7.4	0	-	-	Absent	Absent
CB-0036	7.8	0.5	-	-	Absent	Absent
CB-0037	0.9	0.023	-	-	Absent	Absent
CB-0038	1.4	0.027	-	-	Absent	Absent
CB-0039	-	-	-	-	-	-
CB-0040	0.2	0.018	-	-	Absent	Absent
CB-0041	11.8	2.3	-	-	Absent	Absent
CB-0042	5.6	0.1	-	-	Absent	Absent
CB-0043	3.8	0.06	-	-	Absent	Absent
CB-0044	1	0.034	-	-	Absent	Absent
CB-0045	-	-	-	-	Absent	Absent

CB-0046	-	-	-	-	Absent	Absent
CB-0047	-	-	-	-	Absent	Absent
CB-0048	0.4	0.055	-	-	Absent	Absent
CB-0049	0.9	0.017	-	-	Absent	Absent
CB-0050	0.9	0.022	-	-	Absent	Absent
CB-0051	2.8	0.073	-	-	Absent	Absent
CB-0052	0.9	0.009	-	-	?Trace	Absent
CB-0053	0.2	0.03	-	-	Absent	Absent
CB-0054	3.9	48 (F)	-	-	Absent	Absent
CB-0055	2.2	0.099	-	-	Absent	Absent
CB-0056	2.9	4.7	-	-	Absent	Absent
CB-0057	2.1	0.13	-	-	Absent	Absent
CB-0058	4.1	0.33	-	-	Absent	Absent
CB-0059	-	-	-	-	Absent	Absent
CB-0060	-	-	-	-	Absent	Absent
CB-0061	-	-	-	-	Absent	Absent
CB-0062	-	-	-	-	Absent	Absent
CB-0063	-	-	-	-	Absent	Absent
CB-0064	-	-	-	-	Absent	Absent
CB-0065	2.4	2	-	-	Absent	Absent
CB-0066	9.5	2.6	-	-	?Trace	Absent
CB-0067	7.3	2.8	-	-	Absent	Absent
CB-0068	-	-	-	-	Absent	Absent
CB-0069	1.2	0	-	-	Absent	Absent
CB-0070	3.7	0.1	-	-	Absent	Absent
CB-0071	4.1	0.3	-	-	Absent	Absent
CB-0072	2.4	0.2	-	-	Absent	Absent
CB-0073	4.1	0.3	-	-	Absent	Absent
CB-0074	-	-	-	-	Absent	Absent
CB-0075	-	-	-	-	Absent	Absent
CB-0076	-	-	-	-	Absent	Absent
CB-0077	-	-	-	-	?Trace	?Trace
CB-0078	0.7	0	-	-	-	-
CB-0079	0.9	0	-	-	Absent	Absent
CB-0080	-	-	-	-	Trace	?Trace
CB-0081	-	-	-	-	Absent	Absent
CB-0082	-	-	-	-	Trace	Absent
CB-0083	-	-	-	-	?	Absent
CB-0084	-	-	-	-	-	-
CB-0085	14.1	0.5	-	2.34	Absent	Absent
CB-0086	-	-	-	-	?Trace	?Absent
CB-0087	-	-	-	-	Minor	Absent
CB-0088	-	-	-	-	Abundant	?
CB-0089	-	-	-	-	V.abundant	Absent
CB-0090	-	-	-	-	Minor	?
CB-0091	-	-	-	-	-	-
CB-0092	-	-	-	-	V.abundant	?Absent
CB-0093	-	-	-	-	?Trace	Absent
CB-0094	-	-	-	-	?Trace	?Absent
CB-0095	-	-	-	-	Trace	?Minor

CB-0098	-	-	-	-	-	-
CB-0099	-	-	-	-	-	-
CB-0100	22.5	303	-	2.66	V.abundant	Absent
CB-0101	21.2	396	-	2.67	V.abundant	Absent
CB-0102	10.5	1.7	-	2.69	Minor	Trace
CB-0103	-	-	-	-	-	-
CB-0104	23.7	303	-	2.04	V.abundant	Absent
CB-0105	-	-	-	-	Absent	Absent
CB-0106	17.8	56.6	-	2.19	V.abundant	Absent
CB-0107	13.8	10.3	-	2.29	Abundant	Absent
CB-0108	-	-	-	-	-	-
CB-0109	8	FRAC	-	2.45	Absent	Absent
CB-0110	-	-	-	-	-	-
CB-0111	13.6	0.147	-	2.32	?Absent	Absent
CB-0112	-	-	-	-	Absent	Absent
CB-0113	1.1	0	-	-	Absent	Absent
CB-0114	4.6	0	-	-	Absent	Absent
CB-0115	12.5	1.7	-	-	Trace	Absent
CB-0116	13	13.2	-	-	Abundant	Minor
CB-0117	-	-	-	-	Abundant	?Abundant
CB-0118	-	-	-	-	Abundant	?Abundant
CB-0119	6.7	0.1	-	-	Absent	Absent
CB-0120	4	0	-	-	Absent	Absent
CB-0121	10.9	6.1	-	-	Minor	?Minor
CB-0122	-	-	-	-	Absent	Absent
CB-0123	5	0	-	-	Absent	Absent
CB-0124	-	-	-	-	Abundant	?Abundant
CB-0125	5.2	0	-	-	Absent	Absent
CB-0126	0.9	-	-	-	Absent	Absent
CB-0127	10.7	0.7	-	-	Absent	Absent
CB-0128	9.9	4.5	-	-	Absent	?Minor
CB-0129	4.3	0.1	-	-	Absent	?Minor
CB-0130	2.7	0	-	-	Absent	Absent
CB-0131	-	-	-	-	Absent	Absent
CB-0132	4.4	0	-	-	Absent	Absent
CB-0133	6.2	0.1	-	-	Absent	Absent
CB-0134	-	-	-	-	Absent	Absent
CB-0135	-	-	-	-	Absent	Absent
CB-0136	3.6	0	-	-	Absent	Absent
CB-0137	-	-	-	-	Absent	?Trace
CB-0138	3.8	0	-	-	Absent	Absent
CB-0139	2.6	0.1	-	-	Absent	Absent
CB-0140	-	-	-	-	Absent	Absent
CB-0141	-	-	-	-	Abundant	Trace
CB-0142	-	-	-	-	-	-
CB-0143	-	-	-	-	Absent	Absent
CB-0144	-	-	-	-	Abundant	Abundant
CB-0145	-	-	-	-	Absent	Absent
CB-0146	-	-	-	-	Absent	Absent
CB-0147	-	-	-	-	Absent	Absent
CB-0148	9.7	0.7	-	-	Absent	Absent

CB-0149	0.9	-	-	-	Absent	Absent
CB-0150	-	-	-	-	Abundant	Minor
CB-0151	-	-	-	-	Abundant	Minor
CB-0152	-	-	-	-	Absent	Minor
CB-0153	4.3	0	-	-	Absent	Absent
CB-0154	17	124	-	-	Abundant	Abundant
CB-0155	-	-	-	-	Absent	Absent
CB-0156	-	-	-	-	Absent	?Trace
CB-0157	7.7	0.6	-	-	Absent	Absent
CB-0158	-	-	-	-	Absent	Absent
CB-0159	4.2	0	-	-	Absent	Absent
CB-0160	4.2	0	-	-	Absent	Absent
CB-0161	-	-	-	-	Absent	?Trace
CB-0162	19.6	89	-	2.66	Abundant	?
CB-0163	-	-	-	-	Absent	?Trace
CB-0164	-	-	-	-	Absent	?Trace
CB-0165	10.7	0	-	-	Absent	Absent
CB-0166	3.2	0	-	-	Absent	?Trace
CB-0167	14.2	15.5	-	-	Abundant	Abundant
CB-0168	-	-	-	-	Absent	?Minor
CB-0169	-	-	-	-	Absent	Absent
CB-0170	-	-	-	-	Absent	Absent
CB-0171	-	-	-	-	Absent	Absent
CB-0172	-	-	-	-	Absent	Absent
CB-0173	13.5	3.1	-	-	Absent	Absent
CB-0174	-	-	-	-	-	-
CB-0175	8.5	0.04	-	2.56	Absent	Absent
CB-0176	5.5	0.016	-	3.08	Absent	Absent
CB-0177	-	-	-	-	Absent	Absent
CB-0178	-	-	-	-	-	-
CB-0179	-	-	-	-	-	-
CB-0180	16.3	61	-	2.28	V.abundant	Absent
CB-0181	-	-	-	-	?Trace	Absent
CB-0182	-	-	-	-	?Minor	Absent
CB-0183	9.4	0.176	-	2.49	Absent	Absent
CB-0184	7.3	0.062	-	2.58	Absent	Absent
CB-0185	-	-	-	-	Absent	Absent
CB-0186	11.2	0.52	-	-	Trace	Absent
CB-0187	8.95	0.31	-	-	Absent	Absent
CB-0188	-	-	-	-	Absent	?Trace
CB-0189	-	-	-	-	Absent	Absent
CB-0190	12.9	0.3	-	-	Absent	Absent
CB-0191	15.15	0.5	-	-	Minor	Absent
CB-0192	15.95	215	-	-	V.abundant	Absent
CB-0193	10	0.1	-	2.56	Absent	Absent
CB-0194	-	-	-	-	-	-
CB-0195	11.4	2.6	-	2.68	Trace	Absent
CB-0196	12	1.4	-	2.68	Trace	Absent
CB-0197	10.1	0.184	-	2.66	Absent	Absent
CB-0198	17.9	31	-	2.66	Abundant	?Minor
CB-0199	17.2	18	-	2.67	Abundant	?

CB-0200	-	-	-	-	-	-
CB-0201	12.2	3	-	2.38	Abundant	Minor
CB-0202	-	-	-	-	Absent	?
CB-0203	-	-	-	-	Absent	Absent
CB-0204	-	-	-	-	Absent	Absent
CB-0205	-	-	-	-	Absent	?
CB-0206	-	-	-	-	Absent	Absent
CB-0207	2.8	0.1	-	2.5	Absent	Absent
CB-0208	-	-	-	-	Absent	Absent
CB-0209	-	-	-	-	Absent	Absent
CB-0210	-	-	-	-	Absent	?Trace
CB-0211	-	-	-	-	Abundant	?Abundant
CB-0212	11.7	7.7	-	-	Absent	Absent
CB-0213	15.7	13.5	-	-	V.abundant	?Trace
CB-0214	6.4	0.5	-	-	Absent	?Trace
CB-0215	13.1	212	-	-	V.abundant	Minor
CB-0216	19.5	666	-	-	Abundant	Minor
CB-0217	14.9	11.5	-	-	V.abundant	Trace
CB-0218	-	-	-	-	Absent	Absent
CB-0219	18.5	66.1	-	-	V.abundant	Minor
CB-0220	18.6	74.1	-	-	V.abundant	Minor
CB-0221	12.8	17.3	-	-	V.abundant	Minor
CB-0222	12.4	8.1	-	-	Minor	?Trace
CB-0223	16.2	76.1	-	-	V.abundant	Minor
CB-0224	20.3	134	-	-	V.abundant	Minor
CB-0225	-	-	-	-	Absent	Absent
CB-0226	2.8	0	-	-	Absent	Absent
CB-0227	11.5	0.186	-	-	Absent	Absent
CB-0228	10.5	0.29	-	-	Absent	Absent
CB-0229	13.6	4.6	-	-	Minor	?
CB-0230	-	-	-	-	Abundant	?
CB-0231	12.6	0.305	-	-	Trace	Absent
CB-0232	11.2	2.4	-	-	Minor	Absent
CB-0233	15.6	46	-	-	Abundant	Absent
CB-0234	11.6	0.44	-	2.69	Trace	Absent
CB-0235	7.5	0.14	-	2.7	Absent	Absent
CB-0236	11.1	0.83	-	2.66	Trace	Trace
CB-0237	7.1	0.07	-	2.71	Absent	Absent
CB-0238	-	-	-	-	Absent	Absent
CB-0239	-	-	-	-	-	-
CB-0240	6.8	0.1	-	-	Absent	Absent
CB-0241	-	-	-	-	-	-
CB-0242	8	0.1	-	2.53	Absent	Absent
CB-0243	10.8	0.1	-	2.42	Absent	Absent
CB-0244	-	-	-	-	Trace	Absent
CB-0245	-	-	-	-	Absent	Absent
CB-0246	-	-	-	-	?	?
CB-0247	-	-	-	-	?	?
CB-0248	-	-	-	-	Absent	Absent
CB-0249	-	-	-	-	Absent	Absent
CB-0250	-	-	-	-	?	?

CB-0251	-	-	-	-	?	?
CB-0252	5.5	0.8	-	-	??	?
CB-0253	11.3	0.4	-	2.41	?	?
CB-0254	-	-	-	-	Trace	Absent
CB-0255	-	-	-	-	?	?
CB-0256	12.6	3.3	-	-	?	?
CB-0257	-	-	-	-	-	-
CB-0258	6	0.1	-	2.56	Absent	Absent
CB-0259	9.7	0.3	-	2.46	?	?
CB-0260	10.1	0.1	-	2.52	?	?
CB-0261	10.9	0.8	-	2.43	Absent	?Trace
CB-0262	12.4	2.9	-	2.38	?	?
CB-0263	15.7	109	-	2.29	V.abundant	Minor
CB-0264	10.2	5.1	-	2.42	?	?
CB-0265	13.9	5.7	-	2.38	?	?
CB-0266	-	-	-	2.43	V.abundant	Minor
CB-0267	-	-	-	-	-	-
CB-0268	4.2	0.1	-	-	?	?
CB-0269	4.2	0.1	-	2.62	Absent	Absent
CB-0270	17.1	15	-	-	Abundant	Absent
CB-0271	16.1	57	-	-	V.abundant	Abundant
CB-0272	-	-	-	-	?Trace	Absent
CB-0273	-	-	-	-	Absent	Absent
CB-0274	-	-	-	-	Absent	Absent
CB-0275	-	-	-	-	Absent	Absent
CB-0276	-	-	-	-	Absent	?Trace
CB-0277	11.4	1.37	-	2.35	Absent	Absent
CB-0278	4.3	0.036	-	2.55	Trace	Absent
CB-0279	8.9	3.6	-	2.42	Trace	Absent
CB-0280	-	-	-	-	-	-
CB-0281	14.8	2.61	-	2.26	Minor	?
CB-0282	18	252	-	2.18	V.abundant	?
CB-0283	19.4	569	-	2.14	V.abundant	?
CB-0284	-	-	-	-	-	-
CB-0285	15.9	325	-	2.22	V.abundant	Absent
CB-0286	-	-	-	-	Absent	Absent
CB-0287	13.2	46 (F)	-	-	Absent	Absent
CB-0288	-	-	-	-	Absent	Absent
CB-0289	17.6	12.8	-	-	?	?
CB-0290	10.7	1.2	-	-	Minor	Minor
CB-0291	-	-	-	-	Absent	Absent
CB-0292	14.6	0.7	-	-	Minor	Absent
CB-0293	10.9	0.4	-	-	Trace	?
CB-0294	12.6	0.5	-	2.45	?	Absent
CB-0295	-	-	-	-	Absent	Absent
CB-0296	14.6	16.4	-	2.28	V.abundant	Minor
CB-0297	-	-	-	-	V.abundant	?Minor
CB-0298	-	-	-	-	Absent	Absent
CB-0299	22.5	452	-	-	V.abundant	?
CB-0300	13.3	5.5	-	-	?Minor	?
CB-0301	22.6	761	-	-	V.abundant	?



CB-0302	10.8	11	-	-	Minor	Absent
CB-0303	-	-	-	-	Absent	Absent
CB-0304	-	-	-	-	-	-
CB-0305	9.7	0.1	-	-	Minor	?
CB-0306	-	-	-	-	-	-
CB-0307	15.3	81	-	-	V.abundant	?Minor
CB-0308	-	-	-	-	V.abundant	?
CB-0309	12.8	80	-	-	V.abundant	?Minor
CB-0310	-	-	-	-	Abundant	Absent
CB-0311	10.4	0.4	-	-	?	?
CB-0312	-	-	-	-	?Abundant	Absent
CB-0313	10.5	0	-	2.69	Absent	Absent
CB-0314	11.9	0.5	-	-	Trace	Absent
CB-0315	-	-	-	-	Abundant	Minor
CB-0316	3.5	0	-	-	Absent	Absent
CB-0317	6	0.38	-	-	Absent	Absent
CB-0318	5	0.2	-	-	Trace	Absent
CB-0319	6	0.3	-	-	Minor	?Trace
CB-0320	8.8	0	-	-	Absent	Absent
CB-0321	11.8	0.5	-	-	?Absent	Absent
CB-0322	19.9	720	-	-	V.abundant	Absent
CB-0323	15.9	20.3	-	-	Abundant	Absent
CB-0324	11.3	11.9	-	-	?Minor	?Absent
CB-0325	15.4	4.5	-	-	?Minor	Minor
CB-0326	7	0	-	2.71	Abundant	?
CB-0327	10.8	0.7	-	2.66	?Absent	?Absent
CB-0328	13.5	4.6	-	-	-	-
CB-0329	9	2.5	-	-	?	?
CB-0330	9.7	0.1	-	-	Absent	Absent
CB-0331	-	-	-	-	Absent	Absent
CB-0332	-	-	-	-	-	-
CB-0333	-	-	-	-	Absent	Absent
CB-0334	-	-	-	-	Minor	Absent
CB-0335	-	-	-	-	Abundant	Absent
CB-0336	-	-	-	-	Abundant	Absent
CB-0337	2	0	-	-	Absent	Absent
CB-0338	7	0.1	-	-	Absent	Absent
CB-0339	-	-	-	-	Absent	Absent
CB-0340	6.5	0.1	-	-	Minor	?
CB-0341	-	-	-	-	Absent	Absent
CB-0342	-	-	-	-	V.abundant	Absent
CB-0343	20	63	-	-	V.abundant	?Minor
CB-0344	-	-	-	-	V.abundant	Minor
CB-0345	7.9	0.1	-	-	Absent	Absent
CB-0346	15.5	14.6	-	-	Abundant	Minor
CB-0347	-	-	-	-	V.abundant	Absent
CB-0348	11.9	0.4	-	-	?	?
CB-0349	-	-	-	-	V.abundant	?Minor
CB-0350	7.5	1.59	-	-	Minor	Absent
CB-0351	-	-	-	2.64	Abundant	Absent
CB-0352	9.8	0.11	-	2.58	?Trace	Absent

CB-0353	15.6	42	-	2.64	Abundant	Absent
CB-0354	17.5	262	-	2.65	V.abundant	Absent
CB-0355	14.3	64	-	2.62	V.abundant	Absent
CB-0356	8.3	2.97	-	2.46	Minor	Absent
CB-0357	6.2	0.01	-	2.53	Absent	Absent
CB-0358	2.9	0.01	-	2.91	Absent	?Trace
CB-0359	3.6	0	-	3.22	Absent	Absent
CB-0360	0.8	0	-	2.55	Absent	Absent
CB-0361	9.4	6.2	-	-	Minor	?
CB-0362	13.8	8.6	-	-	Abundant	Absent
CB-0363	6.5	0.4	-	-	?Trace	Absent
CB-0364	4.3	0.1	-	-	Absent	Absent
CB-0365	3.9	0.02	-	2.58	Absent	Absent
CB-0366	-	-	-	-	Trace	Absent
CB-0367	8	0.15	-	2.5	Absent	?
CB-0368	-	-	-	-	V.abundant	Minor
CB-0369	11.9	118	-	-	Minor	?
CB-0370	3.2	0.1	-	-	-	-
CB-0371	5.7	0.01	-	2.77	?Trace	Absent
CB-0372	-	-	-	-	Absent	Absent
CB-0373	2.9	0.02	-	2.64	Absent	Absent
CB-0374	7.1	0	-	2.5	Absent	Absent
CB-0375	-	-	-	-	Absent	Absent
CB-0376	0.6	0	-	3.42	Absent	Absent
CB-0377	2.7	0	-	2.79	Absent	Absent
CB-0378	3.6	0	-	2.58	Absent	Absent
CB-0379	3.4	0	-	2.56	?	?
CB-0380	-	-	-	-	?	?
CB-0381	2.3	0	-	2.63	Absent	Absent
CB-0382	7.1	0.55	-	2.47	Absent	Absent
CB-0383	9.2	0	-	-	?	?Minor
CB-0384	10.7	0.5	-	-	?Abundant	?
CB-0385	9.1	0.58	-	-	Minor	Trace
CB-0386	10.1	0.5	-	-	Absent	?Trace
CB-0387	-	-	-	-	Abundant	Absent
CB-0388	12.7	0.5	-	-	?Trace	Absent
CB-0389	-	-	-	-	V.abundant	Trace
CB-0390	4.2	0.01	-	2.82	?Trace	Trace
CB-0391	3.4	0.01	-	2.83	Absent	Trace
CB-0392	7.2	0.2	-	2.46	?Trace	?
CB-0393	9.4	3.21	-	2.41	Minor	Absent
CB-0394	7.9	3.93	-	2.44	?Trace	Absent
CB-0395	5	0.01	-	2.53	?	Absent
CB-0396	6.7	0.18	-	2.5	Absent	Absent
CB-0397	8	0.8	-	2.61	Trace	Absent
CB-0398	8.7	1.86	-	2.49	Trace	?
CB-0399	13.1	2.2	-	-	Trace	??
CB-0400	8.9	9.4	-	2.42	Trace	?Abundant
CB-0401	5.5	0.01	-	2.47	Absent	Absent
CB-0402	-	-	-	-	Absent	Absent
CB-0403	6.1	0.03	-	2.46	?Trace	?

CB-0404	11.6	9.34	-	2.37	Abundant	?Minor
CB-0405	5.3	0.08	-	2.51	Absent	??
CB-0406	3.9	0.01	-	2.61	Absent	?Trace
CB-0407	7.4	0.03	-	2.48	Absent	?Trace
CB-0408	10.8	2.79	-	2.38	Absent	Absent
CB-0409	8.1	0.04	-	2.46	Absent	Absent
CB-0410	1.2	0	-	3	Absent	?Absent
CB-0411	11.3	0.5	-	-	?Trace	Trace
CB-0412	7.6	2.88	-	-	Trace	Absent
CB-0413	8.6	0	-	-	-	-
CB-0414	11	0.5	-	-	Absent	Absent
CB-0415	0.2	0.03	-	-	Trace	Trace
CB-0416	10.1	0.5	-	-	Trace	Trace
CB-0417	-	-	-	-	-	-
CB-0418	7.9	0.2	-	2.67	Trace	Absent
CB-0419	10.1	0.24	-	2.7	Trace	Absent
CB-0420	15.7	80	-	2.66	V.abundant	Absent
CB-0421	3.8	0.03	-	2.68	?Trace	Absent
CB-0422	13.2	8.6	-	2.64	Trace	Absent
CB-0423	19.9	565	-	2.64	V.abundant	?Minor
CB-0424	9.1	0.93	-	2.64	?	?
CB-0425	-	-	-	2.65	Abundant	?
CB-0426	9.2	0.51	-	2.64	?Minor	?
CB-0427	-	-	-	-	?Absent	?Absent
CB-0428	16.5	51	-	2.64	V.abundant	?Minor
CB-0429	17.9	127	-	2.64	V.abundant	Absent
CB-0430	11.9	0.5	-	2.7	?Trace	Absent
CB-0431	14.7	1.6	-	2.73	Minor	Absent
CB-0432	8.2	0	-	2.64	?Trace	Absent
CB-0433	-	-	-	-	?Trace	Trace
CB-0434	11.7	0.5	-	2.65	Absent	Absent
CB-0435	3.1	0	-	2.69	Absent	Absent
CB-0436	7.7	0.07	-	2.71	?Trace	Absent
CB-0437	12.7	5.3	-	2.67	Minor	Absent
CB-0438	-	-	-	2.65	Abundant	?Minor
CB-0439	18.3	189	-	2.67	V.abundant	?
CB-0440	1.6	0	-	2.62	?Trace	?
CB-0441	9.9	0.28	-	2.64	Absent	Absent
CB-0442	14.4	37.5	-	2.64	?	?
CB-0443	14.3	44	-	2.64	Abundant	Absent
CB-0444	10.2	0.65	-	2.64	Absent	Absent
CB-0445	6.4	0.39	-	2.64	?	?
CB-0446	10.2	2.6	-	2.64	Trace	Absent
CB-0447	-	-	-	-	?Trace	Trace
CB-0448	6.1	0.02	-	2.68	Absent	Absent
CB-0449	8.4	0.06	-	2.67	Absent	Absent
CB-0450	9.8	0.45	-	2.66	Trace	Trace
CB-0451	7.4	0.1	-	2.47	?	?
CB-0452	8.4	0.7	-	2.44	Absent	Absent
CB-0453	10.5	0.1	-	2.36	Trace	?Trace
CB-0454	11.3	0.4	-	2.37	Trace	?

CB-0455	6.1	0.1	-	2.55	?	?
CB-0456	0.8	0.1	-	2.48	Absent	Absent
CB-0457	4.3	0.1	-	2.5	Trace	Absent
CB-0458	11.3	2.4	-	-	Trace	?Trace
CB-0459	12.2	4.2	-	-	Minor	Absent
CB-0460	11.8	1.4	-	-	Minor	Absent
CB-0461	12.1	16	-	-	Abundant	Absent
CB-0462	15	140	-	-	V.abundant	Absent
CB-0463	-	-	-	-	Abundant	Absent
CB-0464	14.1	1.3	-	-	Minor	?Minor
CB-0465	-	-	-	-	Abundant	Absent
CB-0466	-	-	-	-	?	?
CB-0467	14.1	132	-	-	V.abundant	Absent
CB-0468	-	-	-	-	Trace	Absent
CB-0469	13.8	35	-	-	V.abundant	?
CB-0470	14.5	250	-	-	V.abundant	Absent
CB-0471	15.8	380	-	-	V.abundant	Absent
CB-0472	16.9	334	-	-	V.abundant	?
CB-0473	19.2	773	-	-	V.abundant	Absent
CB-0474	18.3	52	-	-	Abundant	Absent
CB-0475	15.5	212	-	-	V.abundant	?
CB-0476	3.4	0.1	-	-	Absent	Absent
CB-0477	5.1	0.1	-	-	Absent	Absent
CB-0478	6.6	0.2	-	-	Absent	Absent
CB-0479	6.8	0.2	-	-	Absent	Absent
CB-0480	6.4	1	-	-	Trace	Absent
CB-0481	-	-	-	-	Absent	Absent
CB-0482	6.4	1.2	-	-	Minor	Absent
CB-0483	7.1	0.1	-	-	Absent	Absent
CB-0484	6.2	0.2	-	-	?Absent	?
CB-0485	5.8	0.2	-	-	Absent	Absent
CB-0486	6.7	0.8	-	-	Absent	Absent
CB-0487	6.5	1.6	-	-	Trace	Absent
CB-0488	-	-	-	-	Abundant	Absent
CB-0489	5.8	0.1	-	-	?	Absent
CB-0490	6.6	0.1	-	-	Absent	Absent
CB-0491	-	-	-	-	Trace	Absent
CB-0492	-	-	-	-	Abundant	Absent
CB-0493	12.7	1.4	-	-	Absent	Trace
CB-0494	5.5	1.2	-	-	Absent	Absent
CB-0495	-	-	-	-	Absent	Absent
CB-0496	-	-	-	-	Absent	Absent
CB-0497	-	-	-	-	Absent	Absent
CB-0498	-	-	-	-	-	-
CB-0499	-	-	-	-	Minor/Ab.?	Absent
CB-0500	14.4	31	-	-	Abundant	Absent
CB-0501	-	-	-	-	Abundant	Absent
CB-0502	13.8	50	-	-	Abundant	Absent
CB-0503	11.9	2.7	-	-	Trace	Absent
CB-0504	15	44	-	-	V.abundant	?
CB-0505	13.6	1.2	-	-	Minor	Absent

CB-0506	-	-	-	-	?	?
CB-0507	-	-	-	-	?	?
CB-0508	9.6	0.1	-	2.45	Absent	Absent
CB-0509	9.9	0.4	-	2.45	Absent	Absent
CB-0510	10.5	0.89	-	2.32	Absent	Absent
CB-0511	10.4	5.8	-	2.41	Minor	Trace
CB-0512	9.4	5.62	-	2.41	Minor	Absent
CB-0513	11.8	0.67	-	2.36	Absent	Absent
CB-0514	6.9	0.72	-	2.49	?	Absent
CB-0515	11.9	6.3	-	2.36	Trace	Absent
CB-0516	4.6	0.26	-	2.5	Absent	Absent
CB-0517	6.4	2.1	-	2.42	Trace	Absent
CB-0518	6.1	2.41	-	2.47	?	Absent
CB-0519	6.3	0.63	-	2.39	?Absent	Absent
CB-0520	6.3	1.21	-	2.52	-	-
CB-0521	7.3	0.7	-	2.45	?Absent	Absent
CB-0522	8.8	0.3	-	2.53	Trace	Absent
CB-0523	3.1	0.3	-	2.64	Absent	Absent
CB-0524	8.9	0.3	-	2.41	Absent	Absent
CB-0525	5.8	1.1	-	2.44	?	Absent
CB-0526	9.6	4.6	-	2.56	Minor	Absent
CB-0527	11	1.6	-	-	Trace	Absent
CB-0528	8.4	0	-	-	Absent	Absent
CB-0529	-	-	-	-	Absent	Absent
CB-0530	7.9	0	-	-	Absent	Absent
CB-0531	19.3	69.8	-	-	Abundant	?Absent
CB-0532	22.4	6077	-	-	Abundant	?
CB-0533	17.6	221	-	-	V.abundant	Absent
CB-0534	13	5.2	-	-	Trace	Absent
CB-0535	14.3	18.5	-	-	Abundant	Absent
CB-0536	16.4	103	-	-	Abundant	Absent
CB-0537	-	-	-	2.35	Abundant	Absent
CB-0538	7.4	0.2	3.4	2.45	Absent	Absent
CB-0539	9.7	2.1	3.3	2.38	Trace	Absent
CB-0540	15.3	70	3.2	2.24	V.abundant	Absent
CB-0541	5.9	0.1	5.3	2.51	Absent	Absent
CB-0542	8.8	0.2	-	2.43	Trace	Absent
CB-0543	20.6	345	2.3	2.09	V.abundant	Absent
CB-0544	10.9	0.4	-	2.37	Absent	Absent
CB-0545	9.7	0.1	-	2.4	Absent	Absent
CB-0546	10.8	0.2	-	2.4	Absent	Absent
CB-0547	9.3	0.1	-	2.42	Absent	Absent
CB-0548	14.2	11	-	2.28	Abundant	Absent
CB-0549	3.9	0.1	-	2.47	Absent	Absent
CB-0550	20.4	292	-	-	V.abundant	?
CB-0551	22	236	-	-	V.abundant	Absent
CB-0552	19.4	298	-	-	V.abundant	?
CB-0553	-	-	-	-	Absent	Absent
CB-0554	-	-	-	-	Absent	?
CB-0555	10.3	0.2	-	2.68	Absent	Absent
CB-0556	12.3	0.9	-	2.68	Trace	Absent

CB-0557	10.3	22	-	2.66	Abundant	?Absent
CB-0558	7.1	0	-	2.78	Absent	?
CB-0559	8.9	0	-	2.7	Absent	Absent
CB-0560	11	1.5	-	2.67	Trace	Absent
CB-0561	7.2	1.5	-	2.7	Trace	Absent
CB-0562	-	-	-	-	Absent	Absent
CB-0563	-	-	-	2.60	Absent	Absent
CB-0564	10.4	1	-	2.67	Absent	Absent
CB-0565	16.2	13.3	-	2.68	Abundant	Absent
CB-0566	17.7	53.9	-	2.68	Abundant	Absent
CB-0567	12.8	34.9	-	2.69	V abundant	Absent
CB-0568	15.3	21.6	-	2.68	V abundant	Absent
CB-0569	-	-	-	-	Absent	?Trace
CB-0570	6.2	1	-	-	Absent	?Trace
CB-0571	9.5	1	-	-	Absent	Absent
CB-0572	15.2	23.2	-	-	?Abundant	Absent
CB-0573	19.1	133	-	2.68	Abundant	Absent
CB-0574	16.2	17.3	-	2.65	Abundant	Absent
CB-0575	-	-	-	-	Absent	Absent
CB-0576	-	-	-	2.66	Absent	Absent
CB-0577	17.6	439	-	2.67	V abundant	?
CB-0578	4.2	0.01	-	2.67	Absent	Absent
CB-0579	-	-	-	-	Abundant	Absent
CB-0580	11.3	1.12	-	2.36	Trace	Absent
CB-0581	-	-	-	-	?Trace	?Trace
CB-0582	9.2	7.8	-	-	Minor	Absent
CB-0583	11.8	0.6	-	-	?	?Trace
CB-0584	14	26	-	-	Abundant	Trace
CB-0585	19	4380	-	-	Abundant	?Trace
CB-0586	13.3	20.3	-	2.3	V abundant	?
CB-0587	10.3	1.4	-	-	Minor	Absent
CB-0588	11.4	0.49	-	2.36	Trace	Absent
CB-0589	15.2	10	-	-	Minor	Absent
CB-0590	9.7	0.9	-	-	Absent	Absent
CB-0591	8	0.57	-	2.47	Absent	Absent
CB-0592	4	0.01	-	2.55	?Trace	Absent
CB-0593	11.8	1.4	-	-	Minor	Absent
CB-0594	-	-	-	2.4	Abundant	Absent
CB-0595	10.9	0.5	-	2.35	Absent	Absent
CB-0596	-	-	-	2.19	Minor	Absent
CB-0597	18.1	434	-	2.32	V abundant	?
CB-0598	13.6	100	-	2.22	V abundant	Absent
CB-0599	14	53.4	-	2.22	V abundant	Absent
CB-0600	13.1	0.5	-	2.3	Minor	Absent
CB-0601	12.3	0.5	-	2.33	Absent	Absent
CB-0602	8.8	2.42	1.7	2.41	Trace	?Trace
CB-0603	8.9	0.76	-	2.41	Trace	Absent
CB-0604	11.9	30	-	-	Abundant	?
CB-0605	11.6	5.3	-	-	Minor	Absent
CB-0606	8.3	3.2	-	2.43	Trace	?
CB-0607	7.8	0.15	-	2.45	Absent	?

CB-0608	9.9	5.1	-	2.38	Minor	Absent
CB-0609	9.8	1.7	-	2.39	Trace	?
CB-0610	5.6	0	-	-	Absent	Absent
CB-0745	8.9	0.4	-	-	Absent	Absent
CB-0746	13	7.1	-	-	Minor	Absent
CB-0747	5.1	16 (F)	-	-	Absent	Absent
CB-0748	9.9	1	-	-	Trace	Absent
CB-0749	9.7	1.2	-	-	Trace	?
CB-0750	14	18 (F)	-	-	Minor	Absent
CB-0887	11.7	1.98	-	2.34	Trace	?

# NERDDC PROJECT 1175:

## APPENDIX E:

### X-RAY DIFFRACTION RESULTS

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Appendix E lists the X-ray diffraction results obtained for both core and ditch samples during NERDDC Project 1175.

Abbreviations used:

QZ = Quartz	KAO = Kaolinite
DI = Dickite	ILL = Illite/Muscovite
ANK = Ankerite	CAL = Calcite
DOL = Dolomite	FeD = Fe-Folomite
MSID = Mg-Siderite	SID = Siderite
CHL = Chlorite/Clinochlore	PYR = Pyrophyllite
I/K = Illite/kaolin ratio	
D = Dominant	CD = Co-dominant
SD = Sub-dominant	M = Minor
T = Trace	

Illite/kaolin ratios were calculated by measuring the height of the illite/muscovite peak at approximately 10 Å and the height of the kaolin peak at 7 Å, then applying the formula:

$$2 \times \text{illite peak height (mm)}$$

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$$\text{kaolin peak height (mm)}$$



## SAMPLE

NUMBER QZ KAO DI ILL ANK CAL DOL FeD MSID SID CHL PYR I/K

CB-0001	D	-	CD	CD						M	-	-	3
CB-0002	D	M		SD						T	-	-	2
CB-0003	D	T	-	T						SD	-	-	1.4
CB-0004	D	M		SD							-	-	1.6
CB-0005	D	M		T							-	-	0.5
CB-0006	D	-	M	T						T	-	-	0.9
CB-0007	D	SD		M							-	-	1
CB-0008	CD		CD	T						M	-	-	0.2
CB-0009	D	-	M	T							-	-	0.7
CB-0010	D		M	T							-	-	0.9
CB-0011	D		M	T							-	-	0.8
CB-0012	D		M	T						M	-	-	0.3
CB-0013	D		M	T							-	-	0.5
CB-0014	D	M	-	M						M	-	-	1.5
CB-0015	D	M	T	T						M	-	-	0.1
CB-0016	D	-	M	T						T	-	-	0.5
CB-0017	D	M		M						T	-	-	1.7
CB-0018	D	-	M	T							-	-	0.3
CB-0019	D	M	-	SD							-	-	4
CB-0020	D	M	-	M						SD	-	-	2.2
CB-0021	D	M		SD							-	-	3.5
CB-0022	D	T	-	T						M	-	-	0.7
CB-0023	-	-	-	-							-	-	-
CB-0024	D	SD		T						T	-	-	0.3
CB-0025	-	-	-	-							-	-	-
CB-0026	D	T	-	T						T	T	-	1.1
CB-0027	D	T	-	T						T	T	-	2
CB-0028	-	SD	-	T						T	-	-	1
CB-0029	D	-	M	T							-	-	0.8
CB-0030	D	-	-	M							-	-	0
CB-0031	-	-	-	-							-	-	-
CB-0032	D	-	-	T						M	-	-	0
CB-0033	-	-	-	-							-	-	-
CB-0034	D	-	-	M						M	-	-	0
CB-0035	D	-	M	M							M	-	0.9
CB-0036	D	-	M	T							M	-	0.4
CB-0037	D	T	-	T							T	-	1.3
CB-0038	D	T	-	T							T	-	1.9
CB-0039	D	T	-	T						SD	-	-	2.5
CB-0040	D	M	-	M							-	-	1.5
CB-0041	D	M	-	M							T	-	1.1
CB-0042	D	-	M	T							T	-	0.8
CB-0043	D	-	M	T							T	-	0.3
CB-0044	D	-	-	T		M					SD	-	0
CB-0045	D	-	-	M						M	M	-	0

CB-0046										
CB-0047	D			T					T	0
CB-0048	D			M					M	0
CB-0049										
CB-0050										
CB-0051	D			T	T					0.9
CB-0052	D			M	T				M	0.2
CB-0053	D	M			M				M	2.6
CB-0054	D			M	T				T	0.3
CB-0055	D	T			T				T	1.1
CB-0056	D	T			M				T	7
CB-0057	D				M				M	0
CB-0058	D				T				M	0
CB-0059	D				M				M	0
CB-0060	D	M			M					2.8
CB-0061	CD	M			M				CD	1.7
CB-0062	M	T			T				D	24
CB-0063	D	T			SD				M	2.7
CB-0064	D			SD	T					1.1
CB-0065	D			SD	T				T	1
CB-0066	D			SD	T				M	1.1
CB-0067	D			SD	T				M	0.1
CB-0068	D			CD	T				M	0.1
CB-0069	D	M		M	T					0.2
CB-0070	D			SD	T				T	0
CB-0071	D			M	T				M	0.1
CB-0072	D			M	T				M	0.1
CB-0073	D			M	T				T	0.1
CB-0074	D	M			M				SD	1.2
CB-0075	D	M			M				M	2.1
CB-0076	D			SD	M				M	0.9
CB-0077	D			M	M				T	0.8
CB-0078	D			M	M				T	3.3
CB-0079	D	M			M				M	1.7
CB-0080	D			M	M				T	1.5
CB-0081	D	T		M	M				T	0.9
CB-0082	D			M	M				M	1
CB-0083	D	SD			SD				M	1.4
CB-0084	D	SD			SD				M	1.6
CB-0085	D	M		T	M				CD	1.8
CB-0086	D			M	T				T	0.6
CB-0087	D			SD	M				T	0.4
CB-0088	D			SD	M				T	0.5
CB-0089	D			SD	M				T	0.4
CB-0090	D			SD	M				M	1.4
CB-0091	D	SD			SD				M	1.5
CB-0092	D			M	T				M	0.7
CB-0093	D			SD	M				T	0.9
CB-0094	D			SD	M				M	0.9

CB-0095	F		CD	M					M		0.3
CB-0096	D		CD	M					M		0.5
CB-0097	D		CD	M					T		0.3
CB-0098	D	?M		M					T		0.9
CB-0099	D	M		M							2.3
CB-0100	D	?T		T							0
CB-0101	D	M		M					?T		1.2
CB-0102	D	M		M					T		1.9
CB-0103	D	M		M					M		2.3
CB-0104	D	SD		M					T		0.7
CB-0105	D	SD		SD					M		2.2
CB-0106	D		SD	M					T		0.7
CB-0107	D		SD	M					?T		0.6
CB-0108	D	?SD		M							0.8
CB-0109	D		?M	M					T		0.9
CB-0110	D	M		SD					M		3.2
CB-0111	D	SD		SD					T		1.9
CB-0112	F	M		SD					M		2.4
CB-0113	D	M		M							2.3
CB-0114	D	M		M							3
CB-0115	D		M	T							0.4
CB-0116	D		M	T							0.6
CB-0117	D		M	T							1
CB-0118	D		T								0
CB-0119	D	T		T							1.3
CB-0120	D	T		T					SD		2.7
CB-0121	D		M	T							0.4
CB-0122	D	T		T					CD		1.9
CB-0123	D	M		M							1.9
CB-0124	D		T	T					T		0.6
CB-0125	D		T	T							1.3
CB-0126	D	M		M							2.1
CB-0127	D		M	T							0.7
CB-0128	D		T	T							0.2
CB-0129	D		T	T					SD		0.6
CB-0130	D	T		T					SD		1.4
CB-0131	D	M		M							1.9
CB-0132	D	M		T					T		1.1
CB-0133	D	T		T					M		1.3
CB-0134	D		M	T					T		1.1
CB-0135	D	M		M					SD ?		1.1
CB-0136	D	M		M					M		2.3
CB-0137	D		T	T					M		1.2
CB-0138	D	M		T					T		0.8
CB-0139	D	M		M							1.9
CB-0140	D	M		M	CD				M		1.9
CB-0141	D	M		M					?T		1.4
CB-0142	D	SD		CD					M		2.9
CB-0143	D	M	?T	M					CD		1.6

CB-0144	D	-	T	T	-	-	-	-	-	-	0.7
CB-0145	D	M	-	M	-	-	-	-	CD	-	1.3
CB-0146	D	M	-	M	-	-	-	-	CD	-	1.4
CB-0147	D	M	-	M	-	-	-	-	T	-	1
CB-0148	D	M	-	M	-	-	-	-	CD	-	2.3
CB-0149	D	M	-	M	-	-	-	-	-	-	1.7
CB-0150	D	-	M	T	-	-	-	-	-	-	0.4
CB-0151	D	-	T	T	-	-	-	-	-	-	0.6
CB-0152	D	-	T	T	-	-	SD	-	SD	-	1
CB-0153	D	M	-	T	-	-	-	-	-	-	1
CB-0154	D	-	M	T	-	-	-	-	-	-	0.5
CB-0155	D	-	M	M	-	-	-	-	SD	-	2
CB-0156	D	-	M	M	-	-	-	-	-	-	1.6
CB-0157	D	-	M	T	-	-	-	-	-	-	0.8
CB-0158	D	-	M	T	-	-	-	-	-	-	0.8
CB-0159	D	M	-	M	-	-	-	-	SD	-	2.4
CB-0160	D	T	-	T	-	-	-	-	SD	-	2.3
CB-0161	D	-	M	T	-	-	-	-	-	-	1.2
CB-0162	D	-	SD	M	-	-	-	-	-	-	0.2
CB-0163	D	SD	-	SD	-	-	-	-	SD	-	1.5
CB-0164	D	SD	-	SD	M	-	-	-	SD	-	1.1
CB-0165	D	SD	-	SD	-	-	-	-	SD	-	1.3
CB-0166	D	-	SD	M	-	-	-	-	M	-	0.8
CB-0167	D	-	SD	-	-	-	-	-	-	-	0
CB-0168	D	SD	-	SD	-	-	-	-	SD	-	0.8
CB-0169	D	SD	-	SD	-	-	-	-	SD	-	1
CB-0170	D	SD	-	SD	-	-	-	-	SD	-	1.2
CB-0171	D	SD	-	SD	-	-	-	-	SD	-	0.8
CB-0172	D	SD	-	SD	-	-	-	-	SD	-	1.7
CB-0173	D	-	SD	M	-	-	-	-	-	-	0.7
CB-0174	D	SD	-	CD	-	-	-	-	M	-	3.6
CB-0175	D	M	-	M	CD	-	-	-	SD	-	2.3
CB-0176	D	M	-	M	T	-	-	-	CD	-	2.6
CB-0177	D	M	-	SD	-	-	-	-	CD	-	2.9
CB-0178	D	M	-	SD	-	-	-	-	CD	-	2.9
CB-0179	D	M	-	M	-	-	-	-	M	-	2.6
CB-0180	D	7M	-	T	-	-	-	-	7T	-	1
CB-0181	D	7M	-	7T	-	-	-	-	-	-	0.5
CB-0182	D	7M	-	M	-	-	-	-	-	-	1.1
CB-0183	D	SD	7T	SD	-	-	-	-	CD	7T	1.8
CB-0184	D	-	SD	SD	-	-	M	-	M	-	2.2
CB-0185	D	SD	-	SD	-	-	-	-	M	-	2.4
CB-0186	D	M	-	M	-	-	-	-	T	-	2.8
CB-0187	D	SD	-	SD	-	-	-	-	CD	-	2.4
CB-0188	D	M	-	M	-	-	-	-	CD	-	2
CB-0189T	D	M	-	M	-	-	-	-	CD	-	2.1
CB-0189L	T	7T	-	T	-	-	-	-	D	-	0.9
CB-0190	D	M	-	M	-	-	-	-	CD	-	2.6
CB-0191	D	-	M	M	-	-	-	-	T	-	0.8

CB-0192	D		CD	M	SD					SD		0.4
CB-0193	D	M		SD	SD					SD		2.9
CB-0194	D	SD		CD						M		2.7
CB-0195	D		SD	M						T		0.7
CB-0196	D		SD	M						M		0.7
CB-0197	D		CD	M						SD		0.3
CB-0198	D	M		M						CD		2.3
CB-0199	D	M		M						T		2.4
CB-0200	D	SD		CD						CD		3.8
CB-0201	D		M*	M								1
CB-0202	D	M		M						M		2.3
CB-0203	D	M		M								3
CB-0204	D	M		M						M		2.6
CB-0205	D		M	M								1
CB-0206	D	M		M						M		2.3
CB-0207	D	M		M						M		3.1
CB-0208	D	M		M						M		2.4
CB-0209	D	M		M						M		2.6
CB-0210	D	M		M						M		4.5
CB-0211	D		M	M						M		0.8
CB-0212	D	M		M	T					SD		1.4
CB-0213	D		M*	M								2.3
CB-0214	D	M		T								0.4
CB-0215	D		M							M		0
CB-0216	D		M									0
CB-0217	D		M	T								0.7
CB-0218	D	M		M	T							1.3
CB-0219	D		M	T								1
CB-0220	D		M	T								0.5
CB-0221	D		M	T						T		0.2
CB-0222	D		T	T								0.9
CB-0223	D		M	T						T		0.5
CB-0224	D		M	T								0.3
CB-0225	D	M		M								0.4
CB-0226	D	M		M						M		2.4
CB-0227	D	M		T								0.7
CB-0228	D	M	M	M						M		1.2
CB-0229	D		M	T						T	TT	3.2
CB-0230	D		SD	T						T		0.1
CB-0231	D		T	T						T		1.4
CB-0232	D			T	T							0.4
CB-0233	D	M	T	SD			TT			CD		2.6
CB-0234	D		SD	M						SD		1.3
CB-0235	D	SD		SD						M		1.4
CB-0236	D		SD	M						TT		0.5
CB-0237	D	SD	TT	M						SD		0.7
CB-0238	D	SD		SD						M		1.7
CB-0239	D	M		SD						SD		3.4
CB-0240	D		SD	M						M		0.5

CB-0241	D	M		SD						M		3.6
CB-0242	D	M		M						M		1.9
CB-0243	D		M	M						M		1.5
CB-0244	D		7M	M						M		1.9
CB-0245	D		M	M						M		0.5
CB-0246	D	M		M						M		2
CB-0247	D	M*		M						SD		2
CB-0248	D	M		M						M		1.8
CB-0249	D	M		M								2.2
CB-0250	D	M		M						SD		1.8
CB-0251	D	M		M								0.2
CB-0252	D		M	M						M		2.1
CB-0253	D		M	M			7	M		M		0.7
CB-0254	D		M	M								0.2
CB-0255	D		M	M								2.1
CB-0256	D		M	M						M		0.5
CB-0257	D	M		M						4		3.4
CB-0258	D		M	M						SD		2
CB-0259	D		M	M						M		1.1
CB-0260	D		7M	M						M		2
CB-0261	D		M	M								0.9
CB-0262	D		M	M								0.9
CB-0263	D		M	M						M		0.8
CB-0264	D		M	M						M		1.2
CB-0265	D		M	M						M		1.5
CB-0266	D		M	M						M		1
CB-0267	D	M		M						M		2.5
CB-0268	D	M		M						M		3.3
CB-0269	D	M		M						M		1
CB-0270	D		M	T								0.5
CB-0271	D		T	T								0.5
CB-0272	D		M	T								0.6
CB-0273	CD	M*		M						M		4.5
CB-0274	D	SD		SD						T		1
CB-0275	D	M		M	7T					CD		2.1
CB-0276	D	SD		M						CD		1
CB-0277	D		M	M						T		1.6
CB-0278	D		M	T						M		0.4
CB-0279	D		M	M						M		0.7
CB-0280	D	M		SD						T		3.9
CB-0281	D	M		T						T		0.9
CB-0282	D		M	T						T		1
CB-0283	D		M	T						7T		0.8
CB-0284	D		SD	T						T		0.4
CB-0285	D		M	T						T		0.3
CB-0286	D	M		SD						T		0.3
CB-0287	D		M	M								0.6
CB-0288	D	M		M								1.8
CB-0289	D		M	M								2.9

CB-0290	D		M	M								1
CB-0291	D	M		M					M			1.4
CB-0292	D		M	M								1
CB-0293	D		M	T								0.9
CB-0294	D		M	M					M			1.7
CB-0295	D	M*		M								1.9
CB-0296	D		M	T								1.4
CB-0297	D		M	T								0.9
CB-0298	D	M*		M					M			1.3
CB-0299	D		M	M					M			0.4
CB-0300	D		M	M					T			0.3
CB-0301	D		M	M					M			0.2
CB-0302	D		M	M								0.6
CB-0303	D	M*		M								2.7
CB-0304												
CB-0305	D		M	T								0.3
CB-0306												
CB-0307	D		M	T								0.2
CB-0308	D		T	T								0.2
CB-0309	D		M*	T								1.1
CB-0310	D		M	M								1.5
CB-0311	D		T	T								1.7
CB-0312	D	M		M								1.7
CB-0313	D	SD		SD					SD			1.6
CB-0314	D		SD	SD					SD			1.7
CB-0315	D		SD	SD					SD			0.8
CB-0316	D	SD		SD					SD			2.2
CB-0317	D	SD		SD					CD			2.8
CB-0318	D	SD		SD					SD			1.9
CB-0319	D	SD		SD					SD			1.5
CL 0320	D	SD		SD								1.8
CB-0321	D		CD	M					M			0.8
CB-0322	D		SD									0
CB-0323	D		SD	M								0.3
CB-0324	D	SD		SD								1
CB-0325	D		SD	M					M			0.7
CB-0326	D	SD		SD					SD			0.9
CB-0327	D		SD	M								0.7
CB-0328	D		SD									0
CB-0329	D		M	T								0.8
CB-0330	D	M		M								0.9
CB-0331	D	SD		M					T			1.3
CB-0332	D	M		M					S			2
CB-0333	D	M		M					T			1.5
CB-0334	D	M*		T*								1
CB-0335	D		T	T								2
CB-0336	D		M*	M								2.2
CB-0337	D	M		M					T			1.1
CB-0338	D	7M		M					T			1.4

CB-0339	D		7T*	M				T		0.7
CB-0340	D		M	T						0.3
CB-0341	D	SD		SD				SD		1.7
CB-0342	D		SD	M				M		1.1
CB-0343	D		SD	SD				M		1.6
CB-0344	D		SD	M				M		0.9
CB-0345	D		SD	SD				SD		1.5
CB-0346	D		SD	SD				M		1.3
CB-0347	D	SD		SD				SD		1.3
CB-0348	D		SD	M				M		0.8
CB-0349	D		SD	M				M		0.8
CB-0350	D	SD		SD				SD		1.2
CB-0351	D		SD	M				M		1
CB-0352	D	SD		SD				SD		0.9
CB-0353	D		SD	M				M		0.9
CB-0354	D		SD	M				M		0.5
CB-0355	D		SD	M						0.3
CB-0356	D		M	M				M		1
CB-0357	D	M		M				M		1.5
CB-0358	D	M		M				SD		2.4
CB-0359	D	M		M				M		1.7
CB-0360	D	M		M				M		3.1
CB-0361	D		M	M				M		1.1
CB-0362	D		M	M				M		0.3
CB-0363	D		M	M				M		1
CB-0364	D	M		M				M		2.5
CB-0365	D	M		M				CD		1.9
CB-0366	D	M		M				M		1.3
CB-0367	D	M		M				SD		2.8
CB-0368	D		M	M				M		0.4
CB-0369	D		M	M						0.2
CB-0370	D	M		M				M		2.8
CB-0371	D		M	M				M		1.9
CB-0372	D	M		M				M		2.4
CB-0373	D	M		M				M		4
CB-0374	D	M		M				M		2.6
CB-0375	D	M		M				M		5
CB-0376	D	M		M				M		1.7
CB-0377	D	M		M				M		1.2
CB-0378	D		M	M				M		0.4
CB-0379	D		M	M				M		0.8
CB-0380	D	M		M				M		1.8
CB-0381	L	M		M				M		3.1
CB-0382	D		M	M				M		3.5
CB-0383	D	SD		SD				SD		2
CB-0384	D	SD		SD				SD		1.9
CB-0385	D		SD	M				T		0
CB-0386	D	SD		SD				M		0.8
CB-0387	D		SD	M				M		0.6



CB-0388	D	-	SD	SD	-	-	-	-	M	-	0.6
CB-0389	D	-	SD	-	-	-	-	-	-	-	0
CB-0390	D	M	-	M	-	-	-	-	M	-	3
CB-0391	D	M	-	M	-	-	-	-	M	-	4.7
CB-0392	D	-	M	M	-	-	-	-	M	-	7
CB-0393	D	-	M	M	-	-	-	-	M	-	1.1
CB-0394	L	-	M	M	-	-	M	-	-	-	0.5
CB-0395	D	M	-	M	-	-	-	-	-	-	2.2
CB-0396	D	M	-	M	-	-	-	-	M	-	3.3
CB-0397	D	-	M	M	-	-	-	-	M	-	1.7
CB-0398	D	-	M	M	-	-	-	-	M	-	1.6
CB-0399	D	-	M	M	-	-	-	-	M	-	1.3
CB-0400	D	-	M	M	-	SD	-	-	?M	-	0.8
CB-0401	D	M	-	M	-	-	-	-	-	-	2.7
CB-0402	D	M	-	M	-	-	-	-	SD	-	3
CB-0403	D	M	-	M	-	-	-	-	M	-	2.7
CB-0404	D	-	M	M	M	-	-	-	-	-	1.1
CB-0405	D	-	M	M	-	-	-	-	M	-	1.7
CB-0406	D	-	M	M	-	-	-	-	SD	-	1.3
CB-0407	D	-	M	M	-	-	-	-	M	-	1.9
CB-0408	D	-	M	M	-	-	-	-	M	-	2.4
CB-0409	D	-	M	M	-	-	-	-	M	-	1.9
CB-0410	D	M	-	M	-	-	-	-	CD	-	4.5
CB-0411	D	SD	-	SD	-	-	-	-	SD	-	1.7
CB-0412	D	-	SD	SD	-	-	-	-	SD	-	1.5
CB-0413	-	-	-	-	-	-	-	-	-	-	-
CB-0414	D	M	T	M	-	-	-	-	SD	-	1.4
CB-0415	D	SD	-	SD	-	-	-	-	SD	-	1.5
CB-0416	D	-	SD	SD	-	-	-	-	SD	-	1.2
CB-0417	-	-	-	-	-	-	-	-	-	-	-
CB-0418	D	SD	-	SD	-	-	-	-	SD	-	1.1
CB-0419	D	-	M*	T	-	-	-	-	SD	-	0.9
CB-0420	D	-	SD	SD	-	-	-	-	SD	-	1.9
CB-0421	D	SD	-	SD	-	-	-	-	M	-	1.48*
CB-0422	D	-	SD	-	-	-	-	-	-	-	0
CB-0423	D	-	SD	-	-	-	-	-	-	-	0
CB-0424	D	-	SD	M	-	-	-	-	SD	-	0.1
CB-0425	D	-	SD	-	-	-	-	-	-	-	0
CB-0426	D	-	SD	-	-	-	-	-	-	-	0
CB-0427	D	SD	-	SD	-	-	-	-	SD	-	3
CB-0428	D	-	SD	M	-	-	-	-	-	-	0.4
CB-0429	D	-	SD	M	-	-	-	-	M	-	0.4
CB-0430	D	T*	M*	M	-	-	-	-	SD	-	1.8
CB-0431	D	-	SD	SD	-	-	-	-	SD	-	1.3
CB-0432	D	SD*	T*	SD	-	-	-	-	SD	-	1.4
CB-0433	D	-	SD	SD	-	-	-	-	SD	-	1.6
CB-0434	D	M*	T*	M	-	-	-	-	M	-	2.1
CB-0435	D	SD	-	SD	-	-	-	-	SD	-	3.2
CB-0436	D	-	SD	SD	-	-	-	-	SD	-	1.3

CB-0437	D		M	M						SD		1.9
CB-0438	D		SD	M						SD		0.6
CB-0439	D		M	T								1
CB-0440	D		M	T						M		1.2
CB-0441	D	SD		SD								1
CB-0442	D		SD	M								0.3
CB-0443	D		SD									0
CB-0444	D		SD	M						SD		0.3
CB-0445	D		SD	M								0.3
CB-0446	D		SD									0
CB-0447	D	SD		SD						SD		2.2
CB-0448	D	SL		SD						SD		2.3
CB-0449	D	SD		SD						SD		1.1
CB-0450	D		SD							M		0
CB-0451	D		M	M						M		0.6
CB-0452	D		M	M						M		0.9
CB-0453	D		M	M						M		1.2
CB-0454	D		M	M						M		1.2
CB-0455	D		M	M						M		1.7
CB-0456	D		M	M						M		1.6
CB-0457	D		M*	M						M		1.6
CB-0458	D	M		T						M		0.3
CB-0459	D		M	T								0.3
CB-0460	D		M	M						T		1.4
CB-0461	D		M	T								0.5
CB-0462	D		T	T								0.8
CB-0463	D		T	T								1
CB-0464	D		T	T								2
CB-0465	D		M*	T								1.7
CB-0466	D		M	M								1.1
CB-0467	D		T	T								0.8
CB-0468	D		M	M						T		1.2
CB-0469	D		T	T								0.3
CB-0470	D		M	T						SD		1.2
CB-0471	D		T	T						T		1.3
CB-0472	D		M	T								0.7
CB-0473	D		M	T								0.7
CB-0474	D		M	T								0.2
CB-0475	D		M	M								0.8
CB-0476	D		M	M						M		1.6
CB-0477	D	M		M						M		3.3
CB-0478	D	M*	TT*	M								1.7
CB-0479	D		M	M						T		1.5
CB-0480	D	M		SD						M		2.9
CB-0481	D		M	M								0.7
CB-0482	D		M	M						T		0.8
CB-0483	D		M*	M						T		2.1
CB-0484	D		M	T								1.3
CB-0485	D		M	M						M		1.2

CB-0486	D	M	-	M	-	-	-	-	-	T	-	-	1
CB-0487	D	-	-	M	M	-	-	-	-	T	-	-	0.6
CB-0488	D	-	-	M	M	-	-	-	-	T	-	-	0.5
CB-0489	D	?M	-	-	M	-	-	-	-	M	-	-	2.2
CB-0490	D	-	-	M	M	-	-	-	-	M	-	-	1.8
CB-0491	D	-	-	M	T	-	-	-	-	T	-	-	0.6
CB-0492	D	-	-	M	-	-	-	-	-	T	-	-	1.3
CB-0493	D	M	-	-	M	-	-	-	-	M	-	-	1.5
CB-0494	D	M	-	-	M	-	-	-	-	M	-	-	1.8
CB-0495	D	M	-	-	M	-	-	-	-	M	-	-	0.9
CB-0496	D	M	-	-	M	-	-	-	-	T	-	-	1
CB-0497	D	M	-	-	T	-	-	-	-	M	-	-	0.6
CB-0498	D	-	-	SD	M	-	-	-	-	-	-	-	1.2
CB-0499	D	-	-	SD	T	-	-	-	-	-	-	-	0.3
CB-0500	D	-	-	SD	T	-	-	-	-	-	-	-	0.3
CB-0501	D	-	-	M	T	-	-	-	-	-	-	-	0.3
CB-0502	D	-	-	M	T	-	-	-	-	-	-	-	0.2
CB-0503	D	-	-	M	T	-	-	-	-	-	-	-	0.4
CB-0504	D	-	-	M	T	-	-	-	-	-	-	-	0.2
CB-0505	D	-	-	T	T	-	-	-	-	-	-	-	0.2
CB-0506	D	-	-	M	M	-	-	-	-	M	-	-	1.4
CB-0507	D	M	-	-	M	-	-	-	-	-	-	-	1.3
CB-0508	D	-	-	M	M	-	-	-	-	M	-	-	1.4
CB-0509	D	-	-	M	M	-	-	-	-	M	-	-	1.6
CB-0510	D	M*	-	?T*	M	-	-	-	-	M	-	-	2.2
CB-0511	D	-	-	M	M	-	-	-	-	M	-	-	1.3
CB-0512	D	-	-	M	M	-	-	-	-	M	-	-	1
CB-0513	D	-	-	M	M	-	-	-	-	M	-	-	1.1
CB-0514	D	-	-	M	M	-	-	-	-	M	-	-	1.1
CB-0515	D	-	-	M	M	-	-	-	-	M	-	-	0.6
CB-0516	D	-	-	M	M	-	-	-	-	M	-	-	1
CB-0517	D	-	-	M	M	-	-	-	-	-	-	-	0.9
CB-0518	D	-	-	M	M	-	-	-	-	-	-	-	0.6
CB-0519	D	-	-	M	M	-	-	-	-	-	-	-	0.8
CB-0520	D	-	-	M	M	-	-	-	-	M	-	-	1.2
CB-0521	D	-	-	M	M	-	-	-	-	M	-	-	0.9
CB-0522	D	-	-	M	M	-	-	-	-	M	-	-	1.1
CB-0523	D	-	-	?M	M	-	-	-	-	M	-	-	1.6
CB-0524	D	-	-	M*	M	-	-	-	-	M	-	-	2.1
CB-0525	D	-	-	M*	M	-	-	-	-	-	-	-	2.2
CB-0526	D	-	-	M	M	-	-	-	-	-	-	-	0.9
CB-0527	D	SD	-	-	SD	-	-	-	-	M	-	-	1.5
CB-0528	D	SD	-	-	SD	-	-	-	-	SD	-	-	1.9
CB-0529	D	SD	-	-	SD	-	-	-	-	CD	-	-	2.1
CB-0530	D	SD	-	-	SD	-	-	-	-	M	-	-	1.6
CB-0531	D	-	-	SD	M	-	-	-	-	M	-	-	0.8
CB-0532	D	-	-	SD	-	-	-	-	-	-	-	-	0
CB-0533	D	-	-	SD	-	-	-	-	-	-	-	-	0
CB-0534	D	-	-	SD	-	-	-	-	-	-	-	-	0



CB-0584	D	M	TT*	M	.	.	.	.	.	M	.	.	2.1
CB-0585	D	.	M	M	.	.	.	.	.	.	.	.	0.6
CB-0586	D	.	M	M	.	.	.	.	.	.	.	.	1
CB-0587	D	.	M	M	.	.	.	.	.	.	.	.	1.5
CB-0588	D	.	M	M	.	.	.	.	.	.	.	.	1.6
CB-0589	D	.	M	M	.	.	.	.	.	.	.	.	1.2
CB-0590	D	M*	T*	M	.	.	.	.	.	M	.	.	2.4
CB-0591	D	.	M	M	.	.	.	.	.	SD	.	.	1.1
CB-0592	D	.	M	M	.	.	.	.	.	M	.	.	1.1
CB-0593	D	.	M	M	.	.	.	.	.	.	.	.	1.4
CB-0594	D	.	M	M	.	.	.	.	.	.	.	.	1.7
CB-0595	D	.	M	M	.	.	.	.	.	.	.	.	1.3
CB-0596	D	.	M	M	.	.	.	.	.	M	.	.	2.1
CB-0597	D	M	.	M	.	.	.	.	.	.	.	.	0.7
CB-0598	D	.	M	M	.	.	.	.	.	.	.	.	1.7
CB-0599	D	.	M	M	.	.	.	.	.	M	.	.	0.6
CB-0600	D	.	M	M	.	.	.	.	.	.	.	.	1.9
CB-0601	D	M	.	M	.	.	.	.	.	M	.	.	0.4
CB-0602	D	.	M	M	.	.	.	.	.	.	.	.	1.6
CB-0603	D	.	M	M	.	.	.	.	.	.	.	.	0.9
CB-0604	D	.	M	M	.	.	.	.	.	M	.	.	1
CB-0605	D	.	M	M	.	.	.	.	.	.	.	.	1.4
CB-0606	D	.	T	M	.	.	.	.	.	M	.	.	1.4
CB-0607	D	M*	T*	M	.	.	.	.	.	M	.	.	1
CB-0608	D	.	M	M	.	.	.	.	.	.	.	.	3.1
CB-0609	D	.	M*	M	.	.	.	.	.	.	.	.	2.7
CB-0610	D	M*	TT*	M	.	.	.	.	.	M	.	.	0.8
CB-0611	D	.	M	M	.	.	.	.	.	T	.	.	1.2
CB-0612	D	.	M	M	.	.	.	.	.	M	.	.	2
CB-0613	D	.	M	M	.	.	.	.	.	.	.	.	0.7
CB-0614	D	.	M	M	.	.	.	.	.	.	.	.	1.4
CB-0615	D	M	.	M	.	.	.	.	.	M	.	.	1.6
CB-0616	D	.	M	M	.	.	.	.	.	.	.	.	1.7
CB-0617	D	.	M	M	.	.	.	.	.	.	.	.	1
CB-0618	D	T	T	T	.	.	.	.	.	T	.	.	2
CB-0619	D	T	.	T	.	.	.	.	.	T	.	.	1.6
CB-0620	D	T	TT	T	.	.	.	.	.	T	.	.	3.7
CB-0621	D	M	.	SD	.	.	.	.	.	M	.	.	2.4
CB-0622	D	T	.	M	.	.	.	.	.	T	.	.	0.6
CB-0623	D	M	.	M	.	.	.	.	.	T	.	.	2.4
CB-0624	D	T	.	T	.	.	.	.	.	.	.	.	1.6
CB-0625	D	T	.	T	.	.	.	.	.	CD	.	.	2
CB-0626	D	T	.	T	.	.	.	.	.	M	.	.	3.1
CB-0627	D	M	.	SD	.	.	.	.	.	T	.	.	2
CB-0628	D	T*	TT*	T	.	.	.	.	.	T	.	.	2.9
CB-0629	D	M*	.	M	.	.	.	.	.	T	.	.	3.2
CB-0630	D	M*	TT*	M	.	.	.	.	.	M	.	.	1
CB-0631	D	.	TT	T	.	.	.	.	.	T	.	.	1.1
CB-0632	D	.	T	T	.	.	.	.	.	T	.	.	1.1

CB-0633	D	.	T	T	.	.	.	.	.	.	.	0.5
CB-0634	D	M*	.	T	.	.	.	.	.	.	.	1
CB-0635	D	M*	7T*	M	.	.	.	.	.	M	.	1.5
CB-0636	D	M	.	M	.	.	.	.	.	M	.	1.5
CB-0637	D	M	.	M	.	.	.	.	.	T	.	1.6
CB-0638	D	M	.	M	.	.	.	.	.	T	.	2.3
CB-0639	D	M	.	M	.	.	.	.	.	M	.	1.9
CB-0640	D	M	.	M	.	.	.	.	.	SD	.	2.1
CB-0641	D	M	.	SD	.	.	.	.	.	M	.	1.9
CB-0642	D	M	.	T	.	.	.	.	.	T	.	1
CB-0643	D	M*	.	T	.	.	.	.	.	T	.	1.4
CB-0644	D	M	.	M	.	.	.	.	.	M	.	2.5
CB-0645	D	M*	T*	M	.	.	.	.	.	M	.	2.5
CB-0646	D	M	.	M	.	.	.	.	.	M	.	2.3
CB-0647	D	M	.	M	.	M	.	.	.	T	.	1.4
CB-0648	D	M	.	M	.	T	.	.	.	T	.	1.4
CB-0649	D	M	7T	T	.	.	.	.	.	T	.	1.2
CB-0650	D	M	.	T	.	.	.	.	.	T	.	1.6
CB-0651	D	M	.	T	.	.	.	.	.	T	.	1.6
CB-0652	D	M	.	T	.	.	.	.	.	T	.	1.7
CB-0653	D	M	T	M	.	.	.	.	.	M	.	3.4
CB-0654	D	M	.	M	.	M	.	.	.	M	.	2.8
CB-0655	D	M	.	M	.	.	.	.	.	SD	.	2.8
CB-0656	D	M*	.	M	.	.	.	.	.	M	.	1.9
CB-0657	D	M	.	M	.	.	.	.	.	T	.	1.4
CB-0658	D	T*	T*	T	.	.	.	.	.	T	.	0.9
CB-0659	D	M	.	M	.	.	.	.	.	M	.	1.6
CB-0660	D	M	.	M	.	.	.	.	.	M	.	1.1
CB-0661	D	M	.	M	.	.	.	.	.	M	.	1.4
CB-0662	D	M*	7M*	M	.	.	.	.	.	M	.	1.3
CB-0663	D	M	.	M	.	.	.	.	.	M	.	1.5
CB-0664	D	M	.	M	.	.	.	.	.	M	.	1.6
CB-0665	D	M*	7T*	M	.	.	.	.	.	M	.	1.1
CB-0666	D	M	.	M	.	.	.	.	.	M	.	1.6
CB-0667	D	M	.	M	.	.	.	.	.	M	.	1.8
CB-0668	D	M	.	M	.	.	.	.	.	M	.	1.3
CB-0669	D	M	.	M	.	.	.	.	.	.	.	2
CB-0670	D	M	.	M	.	.	.	.	.	M	.	1.8
CB-0671	D	M*	.	M	.	.	.	.	.	M	.	1.5
CB-0672	D	M	.	M	.	.	.	.	.	.	.	2
CB-0673	D	M	.	M	.	.	.	.	.	M	.	2
CB-0674	D	M	7M	M	.	.	.	.	.	M	.	1.7
CB-0675	D	M	.	M	.	.	.	.	.	M	.	0
CB-0676	D	M	.	K'	.	.	.	.	.	M	.	1.6
CB-0677	D	M	.	M	.	.	.	.	.	M	.	1.3
CB-0678	D	M	.	M	.	.	.	.	.	M	.	2.3
CB-0679	D	M	.	M	.	.	.	.	.	M	.	1.7
CB-0680	D	M	.	M	.	.	.	.	.	M	.	2.7
CB-0681	D	M	.	M	.	.	.	.	.	M	.	3.3

CB-0682	D	M	.	M	.	.	.	.	.	M	.	.	2.2
CB-0683	D	M	.	M	.	.	.	.	.	M	.	.	2.3
CB-0684	D	M	.	M	.	.	.	.	.	M	.	.	2.7
CB-0685	D	M	.	M	.	.	.	.	.	M	.	.	3.8
CB-0686	D	M	.	M	.	.	.	.	.	M	.	.	3.1
CB-0687	D	M	.	M	.	.	.	.	.	M	.	.	2.4
CB-0688	D	M	.	M	.	.	.	.	.	M	.	.	2.3
CB-0689	D	M	.	M	.	.	.	.	.	M	.	.	2.4
CB-0690	D	M	.	M	.	.	.	.	.	M	.	.	1.9
CB-0691	D	M	.	M	.	.	.	.	.	.	.	.	4.8
CB-0692	D	M	.	M	.	.	.	.	.	CD	.	.	1.8
CB-0693	D	M	.	M	.	TT	.	.	.	M	.	.	2.5
CB-0694	D	TA	.	M	.	.	.	.	T	M	.	.	2.1
CB-0695	D	M	TT	.	.	.	.	.	T	M	.	.	1.6
CB-0696	D	M	.	T	.	.	.	.	.	T	.	.	2
CB-0697	D	.	.	T	.	.	.	.	.	T	.	.	1
CB-0698	D	M	.	M	.	T	.	.	.	SD	.	.	2.7
CB-0699	D	M	.	M	.	.	.	.	.	M	.	.	2.5
CB-0700	D	M	.	M	.	M	.	.	.	M	.	.	2
CB-0701	D	M	.	M	.	.	.	.	.	T	.	.	1.2
CB-0702	D	M	.	T	.	.	.	.	.	T	.	.	1
CB-0703	D	M	.	M	.	.	.	.	.	T	.	.	1.2
CB-0704	D	M	.	M	.	.	.	.	.	M	.	.	1.3
CB-0705	D	.	M	M	.	.	.	.	.	M	.	.	1.2
CB-0706	D	M	.	M	.	T	.	.	.	M	.	.	1.8
CB-0707	D	T	.	T	.	.	.	.	.	T	.	.	1.5
CB-0708	D	.	M	M	.	.	.	.	.	T	.	.	1.2
CB-0709	D	M	.	SD	.	.	.	.	.	M	.	.	3.2
CB-0710	D	M	.	M	.	.	.	.	.	M	.	.	2.5
CB-0711	D	M	.	M	.	.	.	.	.	M	.	.	1
CB-0712	D	M	.	T	.	.	.	.	.	M	.	.	1
CB-0713	D	.	M	M	.	.	.	.	.	T	.	.	2
CB-0714	D	M	.	M	.	TT	.	.	.	M	.	.	3.4
CB-0715	D	M	.	SD	.	.	.	.	.	M	.	.	3.7
CB-0716	D	.	M	M	.	.	.	.	.	M	.	.	2.2
CB-0717	D	.	M	T	.	.	.	.	.	T	.	.	1
CB-0718	D	.	T	T	.	.	.	.	.	T	.	.	2.1
CB-0719	D	M	.	T	.	.	.	.	.	M	.	.	0.5
CB-0720	D	.	T	T	.	.	.	.	.	M	.	.	2.2
CB-0721	D	M	.	M	.	SD	.	.	.	T	TA	.	1.9
CB-0722	D	.	.	T	.	TT	.	.	.	.	M	.	1.5
CB-0723	D	TT	.	T	.	.	.	.	.	.	TT	.	4
CB-0724	D	M	.	M	.	T	.	.	.	M	.	.	2.8
CB-0725	D	M	.	M	.	T	.	.	.	CD	.	.	2.3
CB-0726	D	TT	.	M	.	.	.	M	.	M	.	.	2.8
CB-0727	D	M	.	M	.	TTT	.	.	.	M	.	.	2
CB-0728	D	M	.	M	.	T	.	.	.	M	.	.	2.3
CB-0729	D	M	.	M	.	.	.	.	.	M	.	.	2.3
CB-0730	D	M	.	M	.	.	.	.	.	M	.	.	1.9

CB-0731	D	M	.	M	.	.	.	.	.	.	M	.	.	2.8
CB-0732	D	TM	.	M	.	.	.	.	.	.	M	.	.	1.3
CB-0733	D	M	.	M	.	.	.	.	.	.	T	.	.	1.7
CB-0734	D	M	.	M	.	.	.	.	.	.	M	.	.	1.8
CB-0735	D	M	.	M	.	.	.	.	.	.	M	.	.	3.4
CB-0736	D	M	.	M	.	.	.	.	.	.	M	.	.	2.3
CB-0737	D	M	.	M	.	.	.	.	.	.	M	.	.	1.6
CB-0738	D	M	.	M	.	.	.	.	.	.	M	.	.	1.8
CB-0739	D	TM	.	M	.	.	.	.	.	.	M	.	.	1.7
CB-0740	D	M	.	M	.	.	.	.	.	.	.	.	.	2.6
CB-0741	D	M	.	M	.	.	.	.	.	.	M	.	.	2.3
CB-0742	D	M	.	M	.	.	.	.	.	.	.	.	.	2.3
CB-0743	D	M	.	M	.	.	.	.	.	.	M	TT	.	1.1
CB-0744	D	.	M	T	.	.	.	.	.	.	T	.	.	0.9
CB-0745	D	M	.	M	.	.	.	.	.	.	SD	.	.	1.3
CB-0746	D	.	M	T	.	.	.	.	.	.	SD	.	.	0.4
CB-0747	D	.	CD	M	.	.	.	.	.	.	SD	.	.	0.3
CB-0748	D	.	M	T	.	.	.	.	.	.	M	.	.	0.8
CB-0749	D	.	SD	M	.	.	.	.	.	.	M	.	.	0.6
CB-0750	D	.	M	T	.	.	.	.	.	.	M	.	.	0.5
CB-0751	D	T	.	SD	.	.	.	.	.	.	SD	.	.	12
CB-0752	D	M	TT	.	T	.	.	.	.	.	TT	.	.	0
CB-0753	D	M	.	M	.	.	.	.	.	.	M	.	.	1.6
CB-0754	D	M	.	T	.	.	.	.	.	.	M	.	.	1.5
CB-0755	D	M	.	M	.	.	.	.	.	.	M	.	.	1.3
CB-0756	D	.	M	M	.	.	.	.	.	.	T	.	.	1.1
CB-0757	D	T	.	M	.	.	.	.	.	.	.	.	.	4.8
CB-0758	D	T	.	T	.	.	.	.	.	.	M	.	.	2
CB-0759	D	.	M	T	TT	.	.	.	.	.	M	.	.	0.9
CB-0760	D	M	TT	M	.	T	.	.	.	.	M	.	.	2
CB-0761	D	M	.	M	.	T	.	.	.	.	M	.	.	1.6
CB-0762	D	M	.	M	.	.	.	.	.	.	M	.	.	1.2
CB-0763	D	M	.	M	.	.	.	.	.	.	M	.	.	2.3
CB-0764	D	T	.	T	.	.	.	.	.	.	M	.	.	1.7
CB-0765	D	M	.	M	.	.	.	.	.	.	M	.	.	2.8
CB-0766	D	M	.	M	.	.	.	.	.	.	M	.	.	2.3
CB-0767	D	.	M	T	.	.	.	.	.	.	T	.	.	1.1
CB-0768	D	.	TT	T	.	.	.	.	.	.	M	.	.	1.8
CB-0769	D	M	.	M	.	.	.	.	.	.	M	.	.	1.9
CB-0770	D	T	.	T	.	.	.	.	.	.	M	.	.	1.5
CB-0771	D	T	.	T	.	.	.	.	.	.	M	.	.	1.1
CB-0772	D	T	.	T	.	.	.	.	.	.	T	.	.	1.1
CB-0773	D	T	.	T	.	.	.	.	.	.	T	.	.	1.6
CB-0774	D	T	.	T	.	.	.	.	.	.	T	.	.	1
CB-0775	D	T	.	T	.	.	.	.	.	.	T	.	.	2.5
CB-0776	D	T	.	T	.	.	.	.	.	.	T	.	.	2.7
CB-0777	D	T	.	T	.	.	.	.	.	.	T	.	.	1.8
CB-0778	D	T	.	T	.	.	.	.	.	.	T	.	.	2.2
CB-0779	D	T	.	M	.	.	.	.	.	.	T	.	.	4.9







CB-0879	D	T	-	T	-	-	-	-	-	T	-	-	2.3
CB-0880	D	T	-	T	-	-	-	-	-	T	-	-	2.6
CB-0881	D	M	-	M	-	-	-	-	-	T	-	-	2.4
CB-0882	D	T	-	T	-	-	-	-	-	T	-	-	1.6
CB-0883	D	T	-	T	-	-	-	-	-	T	-	-	1
CB-0884	D	-	TT	T	-	-	-	-	-	T	-	-	1.3
CB-0885	D	T	-	T	-	-	-	-	-	M	-	-	1.4
CB-0886	D	-	TT	T	-	-	-	-	-	-	-	-	0.6
CB-0887	D	-	SD	T	-	-	-	-	-	M	-	-	0.6

\* Interpretation modified by author

\*\* Sample name for CB-0766 not shown

# **NERDDC PROJECT 1175:**

## **APPENDIX F: ELECTRON MICROPROBE RESULTS**

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Appendix F summarises the elemental composition of carbonates and clays in a number of samples collected during NERDDC Project 1175. Electron microprobe results were obtained by Dr. S.E. Phillips (NCPGG, unpubl.data)

All figures are expressed as weight percent (not normalised). Back-scattered micrograph images are stored at the NCPGG, and are available for inspection on request.

## A. SIDERITE

SAMPLE NUMBER	DESCRIPTION	CaO (wt.%)	MgO (wt.%)	FeO (wt.%)	MnO (wt.%)
CB-0008	Spar	-	0.26	67.23	0.37
	"	-	0.12	60.3	0.43
	"	-	0.17	60.06	0.66
	Spar rim	-	0.24	67.18	0.68
CB-0015	Spar	-	6.36	51.31	0.4
	"	-	6.15	52.1	0.67
	"	-	6.27	51.94	0.58
CB-0020	Micrite	-	0.77	58.06	0.55
	"	0.57	1.41	57.7	0.86
	"	0.22	1.59	56.41	0.72
	Microspar	0.8	2.32	55.28	0.72
	"	0.49	1.58	57.61	0.71
	"	0.54	1.66	56.59	0.65
	Microspar rim	1.03	12.33	43.3	0.4
	"	0.69	10.99	44.37	0.44
"	0.96	11.68	43.26	0.37	
-B-0062	Micrite & microspar rim	0.22	12.65	41.09	0.88
	"	0.29	13.07	42.45	1.03
	"	0.34	12.97	41.72	0.4
	"	-	18.17	37.29	0.26
	"	0.23	14.45	39.29	1.21
	"	0.74	13.46	39.22	0.32
	Conc	0.47	0.31	56.18	0.99
	"	0.55	0.17	56.34	1.35
"	0.59	0.29	52.97	2.43	
CB-0075	Spare conc	0.19	0.24	60.72	0.34
	"	-	0.29	60.34	0.78
	"	-	-	59.83	0.5
	"	-	0.21	60.4	0.8
	"	0.1	0.26	60.91	0.48
CB-0085	Spar	0.08	3.21	56.32	0.61
	"	0.14	4.17	55.45	0.44
	"	0.08	4.2	55.17	0.56
	Micrite (dark)	0.53	5.28	52.76	0.64
	"	0.67	7.44	50.02	0.58
	"	0.55	5.25	51.82	0.59
	Micrite (light)	0.39	3.16	55.4	0.76

		0.43	2.71	55.79	0.78
		0.32	2.56	57.09	0.71
CB-0120	Micrite	0.27	3.92	54.42	0.79
	"	0.22	3.63	51.47	0.94
	"	0.16	4.57	52.02	0.68
	"	0.21	3.64	54.89	0.68
	"	-	1.84	58.6	0.61
	"	0.16	2.6	56.07	0.68
	Spar	-	1.5	58.65	0.65
	"	0.08	1.59	58.39	0.64
	"	-	0.98	59.24	0.61
	"	-	0.71	59.53	0.75
	"	-	0.67	59.5	0.55
"	-	1.15	58.94	0.69	
CB-0176	Micrite	0.42	0.66	55.11	1.31
	"	0.81	0.44	50.56	4.75
	"	1	0.45	51.45	6.44
	Spar	0.42	0.64	57.07	0.68
	"	0.51	0.69	56.09	0.85
	" (1st rim)	0.99	5.3	49.92	0.7
	" (1st rim, light)	0.89	7.23	47.53	0.62
	" (2nd rim, light)	0.28	4.87	53.09	0.62
	" (2nd rim, light)	0.62	4.25	53.07	0.8
	" (3rd rim, dark)	0.95	6.45	47.58	0.88
	" (3rd rim, dark)	0.99	7.01	46.49	0.98
	" (3rd rim, dark)	0.79	6.08	47.5	1.13
	" (3rd rim, dark)	0.68	4.5	51	1.51
" (3rd rim, dark)	0.57	4.87	50.67	1.33	
CB-0189T	Spar	0.15	3.01	54.35	1.32
	"	0.07	2.52	54.89	1.47
	"	-	1.48	56.86	1.14
	Spar	0.07	1.96	55.37	0.97
	"	0.12	2.27	55.47	1.25
	"	0.25	2.8	54.38	1.16
	Spar (dark)	0.25	6.62	49.11	0.41
	"	0.27	9.94	43.51	0.47
	"	0.2	5.44	49.91	0.43
	Micrite	0.37	4.11	52.83	1.04
	"	0.31	3.09	50.77	0.73
"	0.25	3.19	53.81	1.06	
CB-0315	Light spar core	0.81	1.79	55.67	0.57
	"	0.19	0.32	58.23	0.76
	Dark spar rim	0.16	9.02	45.8	0.37
	"	0.17	9.1	47.81	0.42
	"	1.37	7.05	47.05	0.64

CB-0458	Spar	-	1.77	56.34	1.72
	"	0.15	5.56	51.28	0.89
	"	-	6.48	50.74	0.9
	Spar 2	-	0.66	54.8	2.3
	"	0.27	6.21	50.66	0.78
	"	-	3.54	54.49	1.31
CB-0476	Dark micrite	-	8.31	43.84	0.37
	"	0.12	8.56	48.34	0.47
	"	0.16	8.03	49.5	0.54
	Light micrite	0.29	6.61	59.46	0.31
	"	0.34	0.75	59.06	0.64
	"	0.4	1.11	58.07	0.58
	Light spar	0.3	0.91	58.51	0.44
	"	0.33	0.82	58.23	0.47
	Dark spar	0.39	1.31	57.02	0.48
	"	0.11	8.36	49.35	0.43
	"	-	6.56	52.06	0.53
	"	-	9.33	47.53	0.34
CB-0520	Spar	-	7.59	49.68	0.32
	"	-	7.23	50.1	0.57
	"	-	7.4	49.52	0.99
	Micrite	-	2.17	57.41	0.53
	"	-	1.58	57.95	0.61
	"	-	1.9	57.11	0.45
	"	0.1	6.94	50.21	0.53
	"	0.16	2.19	56.5	0.37
	"	0.17	3.93	54.13	0.52
	Spar	-	8.39	48.73	0.54
	"	0.07	7.96	48.72	0.48
	"	-	7.4	50.19	0.49
CB-0558	Micrite	0.72	4.51	51.57	0.82
	"	1.27	1.12	52.76	2.19
	"	0.95	0.81	53.82	2.12
	"	0.84	1.56	54.48	1.96
	"	1.02	3.93	50.9	1.49
	"	0.32	0.92	56.43	1.27
	"	0.46	10.99	44.35	0.57
	"	0.65	1.79	54.3	0.84
	"	0.41	12.32	42.64	0.39
	"	0.87	4.76	50.24	1.14
CB-0578	Spar (dark)	0.19	7.19	48.53	0.46
	"	0.17	7.59	48.85	0.44
	"	0.88	9.77	44.66	0.46
	Spar (light)	0.72	8.3	47.13	0.23
	"	0.45	8.19	46.85	0.38
	"	0.77	6.57	49.61	0.4

	Spur (light core)	0.51	5.93	50.14	0.4
	"	0.46	5.91	49.7	0.42
	Spur (dark rim)	0.78	9.01	45.65	0.5
	"	0.81	8.46	46.72	0.59
CB-0591	Spur	0.25	6.58	49.82	0.63
	"	0.69	7.39	49.09	0.61
	"	0.67	7.17	49.36	0.39
CB-0691	Spur	-	0.19	58.6	0.48
	"	-	0.91	56.97	0.96
	"	-	0.38	57.34	0.92



**B. ANKERITE & DOLOMITE**

SAMPLE NUMBER	DESCRIPTION	CaO (wt.%)	MgO (wt.%)	FeO (wt.%)	MnO (wt.%)
CB-0404	Spar	29.96	16.43	6.38	-
	"	30.57	17.15	5.75	-
	"	30.37	15.77	7.54	-
	"	29.66	16.54	6.74	-
	"	28.91	12.73	11.77	0.13
	"	30.35	16.39	7.07	0.12
	"	28.55	12.09	13.08	-
CB-0578	Micrite	27.39	7.81	18	0.19
	"	27.59	7.67	18.02	0.25
	"	27.66	7.62	18.23	0.23
	Spar	31.97	15.21	6.72	-
	"	32.06	15.42	6.51	-
	"	31.64	14.7	6.91	-
	"	31.86	15.89	5.88	-
	"	31.4	15.92	6.05	-
	"	29.76	16.18	7.28	-
	Micrite	29.12	15.64	6.76	-
	"	27.16	14.38	6.04	-
	"	30.67	15.68	6.18	-
	CB-0721	Micrite	29.2	10.5	11.32
"		27.01	10.45	11.68	0.38
"		28.42	12.3	10.34	0.17
Spar		32.04	14.92	6.8	-
"		31.15	14.63	6.96	-
"		32.39	14.91	6.46	-
"		28.09	8.46	15.27	2.38
"		28.31	9.63	16.05	0.78
"		26.24	9.61	14.46	0.97

*C. CLINOCHLORE*

SAMPLE NUMBER	SiO <sub>2</sub>	Al <sub>2</sub> O <sub>3</sub> (weight % oxide)	FeO	MgO
CB-0057	27.1	30	19.2	8.1
	21.9	23.3	30.2	5.5
	22.2	26.9	30.7	6.3
	24.8	26.9	21.8	6.9
	22.7	26.3	24.5	6
CB-0058	22.1	22.2	26.3	8.4
	23.8	23.1	28.5	9
	23.5	23	26.1	8.5

*D. PYROPHYLLITE*

SAMPLE NUMBER	Al <sub>2</sub> O <sub>3</sub>	MgO	Na <sub>2</sub> O (weight % oxide)	K <sub>2</sub> O	FeO
CB-0058	29.2	0.2	0.4	-	-
	29.7	0.3	0.5	-	-
	29.4	0.3	0.3	0.1	-
	28.7	0.2	0.8	1	0.1
	29.5	0.2	0.4	0.1	-
	29.4	0.2	0.4	-	-
	29.7	0.4	0.5	0.2	-
	30	0.3	0.4	0.1	-

**NERDDC PROJECT 1175:**

**APPENDIX G:  
QUANTITATIVE CLAY MINERALOGY**

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Appendix G lists the quantitative clay mineralogy of 33 samples of variable lithology. The work was undertaken by Dr. S.E. Phillips of the NCYGG (unpubl. data).

NAME	QUART	NET WT	SHRINK	MOCA	COMPR (MOCA/TITLE)	SHRINK	COMPR (SHRINK/SHRINK)	PROPS	CREDIT	TOTAL
23 2	7	16	3	49	bread pan suggests title	10	head letter present, no d'chite	0	0	77
23 6	21	10	3	57	substantly sharp pan, suggests picture	14	d'chite present, no head letter	0	0	71
23 7	6	13	2	44	sharp pan, bread base, suggests picture	20	head letter present, no d'chite	0	0	70
23 12	22	10	7	33	sharp pan suggests title	26	d'chite present, no head letter	0	0	60
23 19	7	12	2	54	bread pan suggests title	29	head letter present, no d'chite	0	0	52
23 26	21	14	0	53	sharp pan suggests title	11	d'chite present, no head letter	0	14	50
23 30	15	1	0	37	bread pan suggests title	0	not present	11	11	104
23 35	10	12	3	45	sharp pan suggests title	30	head letter present, no d'chite	0	0	67
23 41	6	10	21	43	sharp pan, bread base, suggests picture	21	head letter present, no d'chite	0	0	73
23 47	3	6	0	36	very bread pan, suggests letter-identified	47	d'chite present, no head letter	0	3	75
23 57	3	6	0	47	very bread pan, suggests letter-identified	0	head letter present, no d'chite	0	15	91
23 70	21	21	0	34	sharp pan, bread base, suggests picture	30	d'chite present, no head letter	0	0	71
23 116	20	10	1	31	sharp pan suggests title	37	d'chite present, no head letter	0	0	64
23 117	20	21	1	26	sharp pan suggests title	31	head letter present, no d'chite	0	0	67
23 126	6	13	2	43	sharp pan, bread base, suggests picture	25	head letter present, no d'chite	0	0	72
23 131	10	12	3	45	sharp pan, bread base, suggests picture	30	d'chite present, no head letter	0	0	70
23 134	22	10	2	47	sharp pan, bread base, suggests picture	25	head letter present, no d'chite	0	0	66
23 136	0	12	3	35	sharp pan, bread base, suggests picture	41	head letter present, no d'chite	0	0	65
23 149	10	17	2	34	bread pan suggests title	23	head letter present, no d'chite	0	0	62
23 157	10	15	10	43	sharp pan, bread base, suggests picture	40	d'chite present, no head letter	0	0	67
23 162	10	11	1	10	sharp pan suggests title	40	head letter present, no d'chite	0	0	72
23 165	0	7	3	10	sharp pan, bread base, suggests picture	20	head letter and d'chite present	0	0	71
23 168	10	10	2	52	sharp pan, bread base, suggests picture	25	head letter and d'chite present	0	0	70
23 200	22	71	20	37	sharp pan suggests title	14	head letter and d'chite present	0	0	64
23 205	2	12	3	37	sharp pan, bread base, suggests picture	16	head letter present, no d'chite	0	0	66
23 209	15	14	2	37	sharp pan, bread base, suggests picture	42	head letter present, no d'chite	0	0	66
23 210	5	7	2	30	sharp pan, bread base, suggests picture	30	head letter present, no d'chite	0	0	70
23 226	12	12	1	44	sharp pan suggests title	10	d'chite present, no head letter	0	0	67
23 231	17	10	2	21	sharp pan, bread base, suggests picture	21	head letter and d'chite present	0	0	71
23 236	14	17	2	34	sharp pan suggests title	53	head letter and d'chite present	0	0	70
23 250	11	9	2	30	sharp pan suggests title	37	d'chite present, no head letter	0	0	64
23 267	10	13	2	36	sharp pan suggests title	30	d'chite present, no head letter	0	4	60
23 269	14	10	0	31	sharp pan suggests title	30	d'chite present, no head letter	0	0	60

WELL NO	WELL NAME	DEPTH (ft. bgs)	SLUR (gals)	PERCENT	NO. OF	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	TOTAL
CB 2	DIG LANE 01	0290' 00"	+2	1.80	0.80	0.70	0.80	0.70	0.47	0.47	44.77	25.20	0.81	5				79.84	
CB 6	DIG LANE 01	0270' 00"	+10	2.05	0.80	0.55	0.80	1.27	0.75	0.75	51.52	26.52	1.01	4				87.91	
CB 7	DIG LANE 01	0271' 00"	+2	1.74	0.80	0.71	0.81	0.44	0.75	0.44	45.41	27.00	0.74	4				86.79	
CB 12	WSPR 1 / CORE 1	0401' 00"	+10	1.74	0.74	0.60	0.87	1.17	1.13	0.70	43.77	27.52	1.01	14				79.34	
CB 16	DIG LANE 01 / CORE 1	0402' 00"	+2	1.74	0.80	0.66	0.87	1.00	0.74	0.74	49.00	31.25	1.07	11				98.50	
CB 26	WSPR 1 / CORE 1	0774' 00"	+10	1.30	0.80	0.70	0.81	1.34	0.75	0.75	47.00	26.26	1.01	5				81.00	
CB 30	WSPR 2 / CORE 4	11201' 00"	+10	1.75	0.80	0.70	0.70	1.10	0.74	0.74	49.00	26.40	1.01	5				81.00	
CB 60	WSPR 1 / CORE 2	0712' 00"	+10	2.30	0.80	0.61	0.80	1.52	0.80	0.80	46.00	26.40	0.80	4				81.00	
CB 61	DIG LANE 01	0712' 00"	+2	14.30	0.60	0.61	0.74	1.30	1.30	1.30	40.00	24.75	2.30	17				98.71	
CB 67	DIG LANE 01 / CORE 1	0411' 00"	+10	1.70	0.80	0.72	0.81	1.01	0.74	0.74	45.70	24.00	0.74	4				81.00	
CB 77	DIG LANE 01 / CORE 2	0406' 00"	+20	1.70	0.80	0.70	0.81	0.72	0.70	0.70	46.00	24.75	0.71	12				87.50	
CB 79	DIG LANE 04 / CORE 1	0130' 00"	+10	1.40	0.70	0.52	0.87	1.30	0.77	0.77	30.00	18.00	1.40	4				66.10	
CB 79	DIG LANE 04 / CORE 1	0130' 00"	+10	0.70	0.81	0.71	0.81	1.00	0.70	0.70	30.00	24.74	0.81	7				82.71	
CB 116	DIG LANE 1 / CORE 1	2007' 00"	+10	0.70	0.81	0.51	0.87	2.04	0.70	0.70	40.00	24.75	0.81	4				78.51	
CB 117	DIG LANE 1 / CORE 2	2007' 00"	+10	0.70	0.81	0.51	0.87	0.81	0.77	0.77	40.00	20.70	0.70	4				65.90	
CB 126	DIG LANE 1 / CORE 2	2704' 00"	+2	1.74	0.81	0.66	0.81	0.70	0.74	0.74	40.00	20.41	0.81	4				66.70	
CB 131	DIG LANE 1 / CORE 2	2771' 00"	+2	1.74	0.81	0.65	0.81	0.70	0.74	0.74	40.00	20.41	0.81	4				66.70	
CB 131	DIG LANE 1 / CORE 2	2771' 00"	+10	1.70	0.81	0.65	0.81	0.80	0.74	0.74	40.00	20.41	0.81	4				66.70	
CB 134	DIG LANE 1 / CORE 2	2770' 00"	+10	1.70	0.81	0.65	0.81	0.80	0.74	0.74	40.00	20.41	0.81	4				66.70	
CB 134	DIG LANE 1 / CORE 2	2770' 00"	+2	1.01	0.81	0.70	0.80	1.01	0.70	0.70	40.00	20.41	0.80	4				65.51	
CB 136	DIG LANE 1 / CORE 2	2007' 00"	+2	1.71	0.81	0.80	0.81	1.31	0.70	0.70	40.00	20.41	0.80	4				65.51	
CB 140	DIG LANE 2 / CORE 1	2100' 00"	+2	10.74	0.71	0.52	0.72	1.34	2.15	2.15	44.00	24.34	1.71	0				67.00	
CB 140	DIG LANE 2 / CORE 0	2100' 01"	+2	10.74	0.71	0.52	0.72	1.34	2.15	2.15	44.00	24.34	1.71	0				67.00	
CB 142	WELLSIDE 01 / CORE 2	2101' 01"	+10	0.80	0.81	0.71	0.81	1.01	0.74	0.74	40.00	20.51	0.81	1				74.71	
CB 142	WELLSIDE 01 / CORE 2	2101' 01"	+10	1.40	0.81	0.80	0.81	1.00	0.70	0.70	44.21	21.41	0.71	4				80.40	
CB 160	WELLSIDE 01 / CORE 2	2102' 00"	+10	1.71	0.81	0.71	0.81	1.21	0.70	0.70	40.00	20.50	0.80	0				65.70	
CB 160	WELLSIDE 01 / CORE 2	2102' 00"	+10	1.71	0.81	0.71	0.81	1.21	0.70	0.70	40.00	20.50	0.80	0				65.70	
CB 200	WSPR 01 / CORE 0	0307' 00"	+10	11.51	0.70	0.71	0.77	1.17	1.70	1.70	30.70	21.00	1.70	4				61.00	
CB 200	WSPR 01 / CORE 0	0307' 00"	+10	1.41	0.81	0.70	0.81	1.00	0.77	0.77	44.00	27.50	0.80	0				61.00	
CB 201	WSPR 01 / CORE 7	0120' 01"	+10	1.71	0.81	0.71	0.81	1.21	0.74	0.74	40.77	27.11	0.80	4				81.20	
CB 201	WSPR 01 / CORE 7	0120' 01"	+10	1.71	0.81	0.71	0.81	1.21	0.74	0.74	40.77	27.11	0.80	4				81.20	
CB 210	WELLSIDE 01 / CORE 1	0401' 00"	+10	1.80	0.81	1.01	0.81	1.01	0.74	0.74	40.00	20.77	1.00	4				80.50	
CB 210	WELLSIDE 01 / CORE 1	0401' 00"	+10	1.74	0.87	0.72	0.70	1.10	0.74	0.74	40.00	20.77	1.00	4				80.50	
CB 210	WELLSIDE 01 / CORE 2	0404' 00"	+10	1.70	0.81	0.60	0.81	2.07	0.71	0.71	40.24	27.41	0.81	1				79.70	
CB 212	WELLSIDE 22 / CORE 1	2104' 00.3"	+10	1.70	0.81	0.60	0.81	2.07	0.71	0.71	40.24	27.41	0.81	1				79.70	
CB 216	WSPR 01 / CORE 1	2007' 11"	+10	1.20	0.81	0.64	0.74	1.00	0.70	0.70	31.71	20.41	1.11	5				69.11	
CB 216	WSPR 01 / CORE 1	2007' 11"	+10	1.00	0.81	0.60	0.81	1.00	0.74	0.74	47.07	27.51	0.81	4				81.00	
CB 210	WELLSIDE 10 / CORE 2	0330' 00"	+10	1.00	0.81	0.60	0.81	1.00	0.80	0.80	45.07	27.00	0.81	4				81.00	
CB 202	WSPR 01 / CORE 1	0324' 00"	+10	1.00	0.81	0.60	0.81	1.00	0.80	0.80	45.07	27.00	0.81	4				81.00	
CB 100	WSPR 01 / CORE 1	0400' 00"	+10	1.71	0.81	0.60	0.81	1.21	0.74	0.74	40.00	27.74	0.74	11				81.70	

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## APPENDIX H:

### $O^{18}/O^{16}$ AND $C^{13}/C^{12}$ ISOTOPE RESULTS

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Appendix H lists oxygen and carbon isotope results of 35 carbonate-cemented clastics as determined by J. Schulz-Rojahn in conjunction with Dr. K. Turnbull (this study).

The database includes:

- Sample origin (sample number, well, depth, formation)
- Carbonate type(s), as identified from XRD traces
- Sample weight (in mg)
- Reaction time with phosphoric acid (in hours)
- Volume of  $CO_2$  released (%)
- Total yield (%)
- $\delta^{13}C$  and  $\delta^{18}O$  results (‰, relative to PDB)

SAMPLE NUMBER	WELL NAME	DEPTH (FLK)	FORMATION	CARBONATE TYPE	WEIGHT (mg)	TIME (hours)	VOL. CO <sub>2</sub> (%)	YIELD (%)	C-43 (PDB)	O-18 (PDB)	COMMENTS
CB-0020	Big Lake-31	930' 6"	Packsworn	Siderite	43.1	24	3.61	43	-6.05	-22.14	-
CB-0062	Big Lake-3	841' 6"	Epikon	Siderite	33.7	20	3.75	58	-3.05	-16.83	2 compositions *
CB-0075	Big Lake-29	966' 6"	Packsworn	Siderite	44.9	24	3.16	36	-2.67	-17.7	-
CB-0083	Della-3	6657' 3"	Tonoloway	Siderite	33.8	23	2.1	32	-3	-15.38	2 compositions *
CB-0105	Panda-2	5819' 11"	Epikon	Siderite	63.7	21	1.01	8	-10.95	-17.35	Various types *
CB-0120	Big Lake-1	770' 6"	Tonoloway	Siderite	41.8	19	2.05	25	-1.3	-14.73	-
CB-0140	Panda North-1	6102' 6"	Epikon	Asterite & siderite	37.7 52	22 22	2.11 3.24	29 32	-11.1 -10.96	-17.00 -17.19	- Rare
CB-0188B	Manana-1	5963' 6"	Tonoloway	Siderite	34.1	21	5.99	91	-1.65	-16.33	-
CB-0188T	Manana-1	5963' 6"	Tonoloway	Siderite	66.8	22	2.4	18	-2.65	-16.11	-
CB-0228	Manana-6	8209' 9"	Tonoloway	Siderite	134.9	28	6.28	22.3	-1.81	-14.94	-
CB-0274	Sensuichi-15	6281' 6"	Tonoloway	Siderite	155	20	0.55	1.7	-2.91	-16.74	-
CB-0315	Tonoloway-3	7211'	Packsworn	Siderite	257.2	25	3.6	6.8	-4.75	-18.62	-
CB-0317	Tonoloway-3	7226' 1"	Packsworn	Siderite	15.5	22	1.33	41.1	-0.4	-17.36	-
CB-0343	Tonoloway-1	6911'	Packsworn	Siderite	211	22	1.61	3.7	-3.88	-17.6	-
CB-0346	Tonoloway-1	6914' 6"	Packsworn	Siderite	257	29	1.57	2.1	-3.88	-17.11	-

CB-0398	Muskele-3	7930 10"	Trotzacher	Siderite	224.5	24	2.19	4.7	-5.7	-18.91	-
CB-0404	Muskele-3	8016 4"	Trotzacher	Antonie	80.1	25	0.84	5.1	-11.32	-20.7	-
CB-0410	Muskele-3	8099 6"	Darwinite	Siderite	36.8	19	4	49.6	-8.45	-20.45	-
CB-0415	Trotzacher-5	7271 9"	Pachowern	Siderite	33.8 162.2	17 26	0.27 1.29	3.8	-5.45	-17.39	-
								3.8	-3.35	-17.69	Rema
CB-0428	Serulochi-1	6309	Trotzacher	Siderite	49.7	19	1.25	11.9	-4.72	-17.39	-
CB-0436	Dilche-1	8296	Pachowern	Siderite	91.7 381.9	19 26	0.3 1.46	1.6	-5.34	-19.29	-
								1.8	-5.54	-18.87	Rema
CB-0485	Serulochi-1	6358 10"	Pachowern	Siderite	152.8	16	2.32	7.3	-1.46	-15.04	-
CB-0494	Serulochi-1	6558 5"	Pachowern	Siderite	61.9	19	0.99	7.7	-2.35	-15.48	-
CB-0495	Serulochi-1	6562 11"	Pachowern	Siderite	48.5	18	2.62	26	-0.56	-14.6	-
CB-0497	Serulochi-1	6568	Pachowern	Siderite	93.1	19	7.05	36.3	-1.04	-13.98	-
CB-0520	Muskele-7	8078	Trotzacher	Siderite	59.5	25	1.14	9.2	-3.26	-17.58	-
CB-0529	Trotzacher-6	7417 6"	Pachowern	Siderite	16.1	24	0.57	17.1	-0.16	-17.08	-
CB-0536	Trotzacher-6	7641 2"	Pachowern	Siderite	303.4	16	1.68	2.7	-8.33	-26.15	-
CB-0551	Trotzacher-1	6026	Trotzacher	Siderite	377.1	28	0.62	8.8	-6.88	-17.42	-
CB-0554	Trotzacher-1	6484 1"	Epilite	Siderite	22.1	23	1.46	31.8	-3.41	-16.12	-
CB-0556	Trotzacher-34	6882	Epilite	Siderite	354.3	27	1.51	2.1	-5.45	-17.21	-
CB-0558	Trotzacher-34	6896	Epilite	Siderite	16.4	18	0.76	22.7	-2.4	-16.09	-



CB-0567	Markala-2	68FT	Spikes	Sidewalk	218.6	16	1.31	2.9	-4.57	-18.25	-
CB-0571	Markala-2	725F	Packdown	Sidewalk	326.7	28	4.38	6.4	-3.67	-17.41	-
CB-0574	Beavly-1	740F J	Packdown	Sidewalk	104.5	23	2.72	12.5	-3.2	-18.47	-

\* Based on NED

# NERDDC PROJECT 1175:

## APPENDIX I:

### SAMPLE CORRELATION WITH VITRINITE REFLECTANCE DATA

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Appendix I provides an estimate of the thermal sediment maturity ( $R_{\text{max}}$ , %) of clastics that were collected in the present investigation. Vitrinite reflectance measurements were derived from well completion reports and consultant reports, courtesy of the Cooper Basin Consortium Group of Companies.

Estimation of vitrinite reflectivity at any given depth was determined by constructing a curve of best fit through available data points and extrapolating back to the depth interval selected. For samples that were derived from wells for which no vitrinite reflectance data is available, reflectance measurements were derived from nearby wells; the distance to such wells is indicated.

VITRINITE REFLECTANCE, COOPER/EROMANGA BASINS  
- TO DECEMBER 1989 -

ADRA Downs 1	EPSILON 2	MOOLAMPAH 1	THREE QUEENS 1
ALUNA 1	EPSILON 3	MOOLON 1	THURASIRA 1
ANDRES 2	FLY LAKE 1	MOOMBA 2	THURRA 1
ARONA 1	FLY LAKE 2	MOOMBA 3	TICALARA 1
ARRABURY 1	FLY LAKE 3	MOOMBA 18	TICALARA 2
ARRABURY 2	FLY LAKE 4	MOOMBA 27	TILPARE A 1
BAGUND 1	FLY LAKE 5	MOOMBA SOUTH 1	TINDUPI 1
BALLERA 1	GARAJUNG 1	MOORAN 1	TINDUPI 2
BAMATTA 1	GEYSALPA 1	MOORAN 2	TINDUPI 3
BANCOOLOO 1	GIGGALPA 2	MORNEY 1	TRINAWARRA 1
BARROLLA EAST 1	GIGGALPA 3	MT HOWETT 1	TRINAWARRA 2
BATTUNGA 1	GIGGALPA 15	MT HOWETT 2	TRINAWARRA 3
BARTULAH 1	GIGGALPA 16	MUDERA 1	TRINAWARRA 4
BEANBUSH 1	GULPEPPES 1	MUGLALES 2	TRINAWARRA 5
BEHAI 1	BOYDER 1	MUGRANGS 1	TRINAWARRA 11
BEUDOOTA 1	GRAHAM 1	MULAPULA 1	TRINAWARRA NORTH 1
BIG LAKE 1	GURRA 1	MULGA 1	TIAM 1
BIG LAKE 2	GURRA 1	MULGA 2	TOOLACHES 1
BIG LAKE 4	HOOLEY 1	MUNDI 1	TOOLACHES 2
BODALA 1	HUNE 1	MUNDAH 1	TOOLACHES 3
BOLDREWOOD 1	INGELLA 1	MUNMARE 1	TOOLACHES 4
BORWOOD 1	INNAMICCA 1	MUNMARE 4	TOOLACHES 11
BORWOOD 2	INNAMICCA 2	MUNMARE SOUTH 1	TOOLACHES 23
BROLGA 1	INNAMICCA 3	MURTEREE 1	TOOLACHES 26
BRUMBY 2	JACK LAKE 1	MURTEREE 2	TOOLACHES 28
BRUMBY 4	JACKSON 1	MUTEROO 1	TOPWEE 1
BULCAMPOLA 1	JACKSON 2	NACCOWLAH 1	WACKETT 1
BUNDEE 1	JACKSON SOUTH 1	NACCOWLAH EAST 1	WALLILLIE 1
BURKE 2	KALANNA 1	NACCOWLAH SOUTH 1	WANGCOONA 1
BURKE 5	KARLLA 1	NACCOWLAH WEST 1	WANGCOONA 2
BURLEY 1	KARMONA EAST 1	NAPPACOOCHES 2	WANGCOONA 4
BURLEY 2	KARWIN 1	NARYLOO 1	WANTANA 1
BURRANA 1	KERNA 1	NA KALLA 1	WAREENA 1
BYLOE 1	KEETO 1	NOCABURRA 1	WARRE EAST 1
CARNEY 1	KELOR 1	NULLA 1	WATSON NORTH 1
CHALLAN 1	KERLAMURRA 1	NANGEROO 1	WATSON SOUTH 1
CHARO 1	KERNIT 1	ORIENTON 1	WAKATARRA 1
CHERRI 1	KERNA 1	PACKSADDLE 1	WEENA 1
CHILCARRIE 1	KERNA 4	PACKSADDLE 2	WELLCOME LAKE 1
CHOONOO 1	KOSMAN 2	PACKSADDLE 3	WEMYS 1
COORONG 1	KOSMAN NORTH 2	PADULLA 1	WINDO 1
COOCHLAAL 1	KREY 1	PANDEBURRA 1	WILLS 1
COOK 1	KRIBARRICK 1	PANCO NORTH 1	WILLS EAST 1
COOK NORTH 1	KOSAR 1	PANING 1	WILPINE 1
COONATE 1	KOONCHERA 1	PAPYRUS 1	WILSON 1
COONATE 2	KUDORKE 1	PAULON 1	WINNA 1
COOROO 1	KUMBARIE 1	PELLETA 1	WIPPO 1
COOROO NORTH 1	KURUNDA 1	PERITA 1	WINNA 1
COORWOOD 1	KUTYO 1	PERITY 1	WIRRAWINE 1
COYAN 1	LAKE HOPE 1	PHE NORTH 1	WITCHETTY 1
CUDGARAN 1	LAMDA 1	PINA 1	WOLGOLLA 1
CURALLE 1	LANDINA 1	PINTARA NORTH 1	WOLGOLLA 2
CUTTAPINE 1	LIMESTONE CREEK 1	RA 1	WOPPAH 1
DAER 1	LIMESTONE CREEK 4	POCORINE 1	WOOLINA 1
DARALUNG 1	LELEPTAR 1	RAOONA 1	WOOLOO 1
DARALUNG 4	LEPERA 1	RICHE 1	WUROONE 1
DARALUNG 6	LYGAS 1	ROSEBATH 1	YALCUMMA 1
DELLA 1	MACADAM 1	SIGNS 1	YANGA 1
DELLA 7	MANOOLA 1	SPECTRE 1	YAWO 1
DELLA 8	MARABOOKA 1	SPENCER 2	YANTA 1
DIEN 1	MARAKU 1	SPENCER 3	YAPEN 1
DILCHEE 1	MARRADONG 1	STRAITHMOUNT 1	
DINDERS 1	MERRAS 1	STRZELECH 1	
DINKALA 1	MIRDLIA 1	STRZELECH 3	
DOONKALLA 1	MIRSLAY 1	STRZELECH 4	
DULLINGAR 1	MLECOO 1	STRZELECH 5	
DULLINGAR 4	MIRIDA 1	STURT 1	
DULLINGAR 10	MIRRI 1	STURT 2	
DULLINGAR 11	MIRRIEJA 5	TALLIA 1	
DULLINGAR 20	MIRRIEJA 6	TALOLA 1	
DULLINGAR 41	MIRRIEJA 7	TANGAR NORTH 1	
DULLINGAR NORTH 1	MIRRIEJA 8	TARFALLA 1	
DURCOON 1	MIRRIEJA 10	TARWONGA 1	
DURHAM Downs 1	MILFORD 1	TAU 1	
DURHAM Downs 2	MMA 1	TERRAPEPRA 1	
EPSILON 1	MINGANA 1	TERRAPEPRA SOUTH 1	

SAMPLE NUMBER	WELL NAME	DEPTH RANGE	ESTIMATED Rv max. %	COMMENTS
CB-0001/7	Big Lake-3	8235-8135	1.50-1.55	-
CB-0008	Big Lake-3	9860	2.64	-
CB-0009/14	Kirby-1	8935-8959	1.89	-
CB-0015/18	Kirby-1	9703-9731	2.32	-
CB-0019/21	Big Lake-31	9492-9505	2.37	Extrap. from Big Lake-3 (distance: 1.7 km)
CB-0022/26	Big Lake-31	9961-10221	2.65 - 7 2.85	Extrap. from Big Lake-3 (distance: 1.7 km)
CB-0027/29	Big Lake-27	9146-9157	2.64	Extrap. from Big Lake-1 (distance: 1.1 km)
CB-0030/34	Big Lake-27	9492-9505	3.12	Extrap. from Big Lake-1 (distance: 1.1 km)
CB-0035/43	Burley-1	8791-8873	2.81-2.81	-
CB-0044/50	Burley-1	11952-973	6.0-6.5	-
CB-0051/53	Burley-2	9197-9224	3.28-3.29	-
CB-0054/57	Burley-2	10204-211	4.25	-
CB-0058/59	Burley-2	11383-401	7 6.25	-
CB-0060	Kirby-1	9717	2.32	-
CB-0061/62	Big Lake-3	8232-8241	1.5	-
CB-0063	Big Lake-31	9480	2.37	Extrap. from Big Lake-3 (distance: 1.7 km)
CB-0064/73	Big Lake-5	9399-9430	2.32-2.34	Extrap. from Big Lake-3 (distance: 2.5 km)
CB-0074	Big Lake-29	9325	1.72 or: 2.3	Extrap. from Big Lake-4 (distance: 4.6 km) Extrap. from Big Lake-3 (distance: 3.8 km)

CB-0075/77	Big Lake-29	9661-9666	2.02 or: 2.57	Extrap. from Big Lake-4 (distance: 4.6 km) Extrap. from Big Lake-3 (distance: 3.8 km)
CB-0078/79	Big Lake-34	9326-9339	2.3	Extrap. from Big Lake-3 (distance: 0.9 km)
CB-0080/82	Big Lake-35	9208-9227	2.21 or: 2.67	Extrap. from Big Lake-3 (distance: 1.4 km) Extrap. from Big Lake-1 (distance: 1.9 km)
CB-0083/98	Della-3	6638-6732	1.20-1.23 or: 1.20-1.21	Extrap. from Della-1 (distance: 5 km) Extrap. from Wilpinnie-1 (distance: 5.3 km)
CB-0099/102	Yapeni-1	6839-6851	0.81-0.83	-
CB-0103/105	Pando-2	5807-5819	0.65	Extrap. from P.North-1 (distance: 5 km)
CB-0106/109	Munero-C1	6093-6116	0.71 or: 0.6	Extrap. from Goyder-1 (distance: 6.4 km) Extrap. from Kalanna-1 (distance: 5.4 km)
CB-0110/112	Lake Hope-1	6683-6694	6.66	-
CB-0113/135	Big Lake-1	7645-7796	1.64-1.72	-
CB-0136/138	Big Lake-1	8605-8640	2.22-2.23	-
CB-0140/143	Pando North-1	6102-6118	0.58	Extrap. from Yapeni-1 (distance: 10 km)
CB-0144/161	Big Lake-2	7457-7682	1.02-1.17	Extrap. from Big Lake-3 (distance: 2.8 km)
CB-0162/173	Tuolachee-3	7345-7461	1.03-1.08	-
CB-0174/178	Wencoocha-1	5815-5841	0.64-0.65	-
CB-0179/182	Wencoocha-1	6179-6218	0.66-0.67	-
CB-0183/184	Dellingari-1	6905-6910	0.94	-
CP-0185	Dellingari-1	77205	1.02	-

CB-0186/192	Murree-1	5932-5981	0.76-0.77	-
CB-0193/194	Boswood-1	5687-5691	0.67	-
CB-0195/197	Tarwonga-2	7306-7330	1.1 or: 1.07	Extrap. from Tarwonga-1 (distance: 1.4 km) Extrap. from Mundi-1 (distance: 2.5 km)
CB-0198/200	Dirkale-2	6196-6213	0.65	Extrap. from Dirkale-1 (distance: 1.1 km)
CB-0201/211	Moomba-6	8258-8386	1.32-1.40	Extrap. from Moomba-27 (distance: 2 km)
CB-0212/226	Daralingie-1	6369-6464	0.84-0.85	-
CB-0227/230	Daralingie-19	7426-7434	0.95+ or: 0.94	Extrap. from Daralingie-5 (distance: 4.2 km) Extrap. from Daralingie-1 (distance: 4.5 km)
CB-0231/233	Daralingie-22	7449-7464	0.94+	Extrap. from Daralingie-1 (distance: 2.5 km)
CB-0234/239	Kerna-1	7664-7691	1.20-1.21	-
CB-0240/241	Coochilara-1	7553-7555	1.21	-
CB-0242/251	Moomba-6	8058-8114	1.28-1.30	Extrap. from Moomba-27 (distance: 2 km)
CB-0252/263	Moomba-6	8152-8236	1.32-1.35	Extrap. from Moomba-27 (distance: 2 km)
CB-0264/265	Moomba-6	8249-8251	1.37	Extrap. from Moomba-27 (distance: 2 km)
CB-0266/269	Moomba-6	9026-9056	1.78	Extrap. from Moomba-27 (distance: 2 km)
CB-0270/274	Sarszecki-15	6296-6281	0.88	Extrap. from Perenty-1 (distance: 3 km)
CB-0275/279	Mudlake-1	5874-5899	0.89-0.90	Extrap. from Mudlake-2 (distance: 2.5 km)
CB-0280/286	Spencer-1	6198-6228	0.75-0.76 or: 0.70-0.71	Extrap. from Spencer-3 (distance: 2.6 km) Extrap. from Minteroo-1

					(distance: 4.4 km)
CB-0287/290	Szasałeczki-16	6235-6273	0.95-0.96		Extrap. from Szasałeczki-5 (distance: 1 km)
CB-0291/293	Szasałeczki-5	6066-6090	0.88-0.89	-	
CB-0294/296	Szasałeczki-2	6122-6182	0.91-0.93	-	
CB-0297/298	Szasałeczki-10	6227-6336	0.95		Extrap. from Perenty-1 (distance: 1.7 km)
CB-0299/301	Daralingie-9	7261-7286	7 0.98-1.0		Extrap. from Daralingie-5 (distance: 2 km)
CB-0302/305	Marana-1	6324-6337	0.98 or: 0.92-0.93		Extrap. from Szasałeczki-3 (distance: 2.5 km) Extrap. from Perenty-1 (distance: 5 km)
CB-0306/309	Kidman-1	6601-6608	0.9 or: 0.94		Extrap. from Coochilara-1 (distance: 2.4 km) Extrap. from Kidman-2 (distance: 3.5 km)
CB-0310	Kidman-2	6677	0.95	-	
CB-0311/312	Pira-2	7140-7158	1.03		Extrap. from Pira-1 (distance: 1.1 km)
CB-0313/328	Toolechee-3	7198-7340	<1.0-1.03	-	
CB-0329/330	Kidman-1	7331-7361	1.05-1.06 or: 1.09		Extrap. from Coochilara-1 (distance: 2.4 km) Extrap. from Kidman-2 (distance: 3.5 km)
CB-0331/336	Marabooka-1	6407-6479	1.16-1.17 or: 1.04-1.05		Extrap. from Madera-1 (distance: 4.5 km) Extrap. from Szasałeczki-1 (distance: 5.4 km)
CB-0337/340	Pira-2	8269-8283	1.33		Extrap. from Pira-1 (distance: 1.1 km)
CB-0341	Toolechee-1	6491	0.91	-	
CB-0342/350	Toolechee-1	6891-6958	7 1.03-1.04	-	
CB-0351/355	Toolechee-15	7364-7382	1.1+		Extrap. from Toolechee-1

			or: 1.21	(distance: 1.2 km) Estrap. from Toolachee-26 (distance: 1.1 km)
CB-0356/360	Moomba-1	7606-7647	1.14-1.15	Estrap. from Moomba-3 (distance: 5.6 km)
CB-0361/369	Moomba-1	7805-7899	1.19-1.24	Estrap. from Moomba-3 (distance: 5.6 km)
CB-0370/374	Moomba-1	7931-8011	1.26-1.28	Estrap. from Moomba-3 (distance: 5.6 km)
CB-0365/376	Moomba-1	8688-8698	1.66	Estrap. from Moomba-3 (distance: 5.6 km)
CB-0377/381	Moomba-1	9195-9240	2.08-2.14	Estrap. from Moomba-3 (distance: 5.6 km)
CB-0382	Moomba-6	8029	1.27	Estrap. from Moomba-27 (distance: 2 km)
CB-0383/389	Toolachee-5	7307-7393	1.13-1.22	Estrap. from Toolachee-23 (distance: 2.2 km)
CB-0390/391	Moomba-3	7755-7785	1.19-1.2	-
CB-0392/410	Moomba-3	7880-8099	1.22-1.30	-
CB-0411/416	Toolachee-5	7226-7277	1.12-1.21	Estrap. from Toolachee-23 (distance: 2.2 km)
CB-0417/421	Toolachee-12	7183-7208	1.13	Estrap. from Toolachee-26 (distance: 1.1 km)
CB-0422/429	Toolachee-18	7314-7332	1.1+ or: 1.02	Estrap. from Toolachee-1 (distance: 1.9 km) Estrap. from Toolachee-3 (distance: 2.3 km)
CB-0430/434	Toolachee-8	7331-7390	1.07-1.09	-
CB-0435/440	Toolachee-9	7296-7319	1.29-1.30	-
CB-0441/446	Toolachee-19	7613-7639	1.21	Estrap. from Toolachee-30 (distance: 2.3 km)
CB-0447/450	Toolachee-21	7349-7375	1.11 or: 1.08	Estrap. from Toolachee-23 (distance: 4.4 km) Estrap. from Toolachee-9



					(distance: 4.6 km)
CB-0451/454	Moombe-5	8060-8084	1.28-1.30		Extrap. from Moombe-26 (distance: 7.5 km)
CB-0455/457	Moombe-5	8169-8232	1.33-1.35		Extrap. from Moombe-26 (distance: 7.5 km)
CB-0458/471	Szaszlecki-1	6309-6366	1.02-1.025		-
CB-0472/475	Szaszlecki-1	6414-6425	1.035		-
CB-0476/482	Kerna-1	8118-8132	1.38		-
CB-0483/487	Dichee-1	8289-8296	0.89		-
CB-0488/490	Coochilara-1	7981-7995	1.35		-
CB-0491/505	Szaszlecki-1	6532-6588	1.035-1.05		-
CB-506/515	Moombe-4	7829-7992	1.04-1.12 or: 1.2-1.37		Extrap. from M. South-1 (distance: 5 km) Extrap. from Big Lake-3 (distance: 6.4 km)
CB-0516/520	Moombe-7	8052-8078	1.28-1.29		Extrap. from Moombe-3 (distance: 11.1 km)
CB-0521/526	Moombe-7	8123-8191	1.30-1.36		Extrap. from Moombe-3 (distance: 11.1 km)
CB-0527/531	Toolachee-6	7355-7473	1.19-1.24		Extrap. from Toolachee-1 (distance: 1.5 km)
CB-0532/536	Toolachee-6	7556-7641	1.29-1.31+		Extrap. from Toolachee-1 (distance: 1.5 km)
CB-0537/549	Moombe-8	7766-7941	1.20-1.27 or: 1.18-1.21		Extrap. from Moombe-27 (distance: 8.5 km) Extrap. from Moombe-3 (distance: 8.4 km)
CB-0550/553	Toolachee-1	6051-6071	0.76		-
CB-0554	Toolachee-1	6484	0.91		-
CB-0555/559	Toolachee-34	6874-6908	0.94-0.95		Extrap. from Toolachee-8 (distance: 1.2 km)
CB-0560/563	Toolachee-32	6761-6786	0.99		Extrap. from Toolachee-1

				(distance: 1.1 km)
CB-0564/772	Munkarie-2	6847-7277	1.0-1.2 or: 1.07-1.17	Eastrop. from Munkarie-4 (distance: 1 km) Eastrop. from Munkarie-1 (distance: 1.1 km)
CB-0573/577	Brumby-1	7371-7489	1.09-1.12	Eastrop. from Brumby-3 (distance: 2 km)
CB-0578/594	Moombe-9	7696-7975	1.20-1.27	Eastrop. from Moombe-3 (distance: 5 km)
CB-0595/601	Moombe-10	7728-7843	1.44-1.49	Eastrop. from Moombe-2 (distance: 5 km)
CB-602/605	Moombe-52	7844-7905	1.18-1.22	Eastrop. from Moombe-3 (distance: 5 km)
CB-0606/610	Moombe-53	7818-7976	1.18-1.22	Eastrop. from Moombe-3 (distance: 5 km)
CB-0611/614	Srzelecki-10	6270-6370	0.75-1.0	Eastrop. from Perenty-1 (distance: 1.7 km)
CB-0615/620	Srzelecki-10	6600-6900	1.0+	Eastrop. from Perenty-1 (distance: 1.7 km)
CB-0621/627	Kidman-1	6360-6870	0.75-1.0	Eastrop. from Coochilars-1 (distance: 2.4 km)
CB-0628/633	Kidman-1	7025-7550	1.0-1.25	Eastrop. from Coochilars-1 (distance: 2.4 km)
CB-0634/635	Toolachee-1	5860-5990	0.5-0.75	-
CB-0636/638	Toolachee-1	6220-6670	0.75-1.0	-
CB-0639	Toolachee-1	6850	1.0-1.25	-
CB-0640	Toolachee-3	6020	1.0-1.25	-
CB-0641/646	Toolachee-3	6170-6750	0.75-1.0	-
CB-0647	Tool. East-1	6200	0.75-1.0	Eastrop. from Toolachee-9 (distance: 1.7 km)
CB-0648/653	Tool. East-1	6440-7210	1.0-1.25	Eastrop. from Toolachee-9 (distance: 1.7 km)

CB-0653/656	Tool. East-1	7400-7790	1.25-1.50	Extrap. from Toolachee-9 (distance: 1.7 km)
CB-0657/658	Tool. East-1	7960-8300	1.50+	Extrap. from Toolachee-9 (distance: 1.7 km)
CB-0659/660	Moombe-7	7720-7910	1.0-1.25	Extrap. from Moombe-3 (distance: 11.2 km)
CB-0661/665	Moombe-7	7970-8420	1.25-1.50	Extrap. from Moombe-3 (distance: 11.2 km)
CB-0666/667	Moombe-7	8620-8690	1.50-1.75	Extrap. from Moombe-3 (distance: 11.2 km)
CB-0668	Moombe-7	8690	1.75-2.0	Extrap. from Moombe-3 (distance: 11.2 km)
CB-0669	Moombe-7	8860	2.0-2.25	Extrap. from Moombe-3 (distance: 11.2 km)
CB-0670/672	Moombe-7	9470-9650	2.25-2.50	Extrap. from Moombe-3 (distance: 11.2 km)
CB-0673	Moombe-7	9750	2.5-2.75	Extrap. from Moombe-3 (distance: 11.2 km)
CB-0674/675	Moombe-57	7650-7750	1.50-1.75	Extrap. from Big Lake-1 (distance: 5.7 km)
CB-0676/679	Moombe-57	7840-8160	1.75-2.0	Extrap. from Big Lake-1 (distance: 5.7 km)
CB-0680/681	Moombe-57	8230-8350	2.0-2.25	Extrap. from Big Lake-1 (distance: 5.7 km)
CB-0682/684	Moombe-57	8640-8910	2.25-2.50	Extrap. from Big Lake-1 (distance: 5.7 km)
CB-0685/686	Moombe-57	9190-9260	2.50-2.75	Extrap. from Big Lake-1 (distance: 5.7 km)
CB-0687	Moombe-57	9670	3.0-3.25	Extrap. from Big Lake-1 (distance: 5.7 km)
CB-0688/691	Moombe-57	9740-10200	3.25+	Extrap. from Big Lake-1 (distance: 5.7 km)
CB-0692/697	Wencoochee-2	5530-5760	0.50-0.75+	-

CB-0696/705	Wancoocha-4	5600-5850	0.50-0.75+	Extrap. from Wancoocha-2 (distance: 500 m)
CB-0706/708	Kirby-1	8640-9060	1.75-2.0	-
CB-0709	Kirby-1	9260	2.0-2.25	-
CB-0710/715	Kirby-1	9430-9980	2.25-2.50	-
CB-0716	Kirby-1	10300	2.50-2.75	-
CB-0717	Kirby-1	10450	2.75-3.0	-
CB-0718/719	Kirby-1	10570-720	3.0-3.25	-
CB-0720	Kirby-1	11270	3.50-3.75	-
CB-0721	Kirby-1	11620	4.0-4.25	-
CB-0722	Kirby-1	12170	4.75-5.0	-
CB-0723	Kirby-1	12410	5.0+	-
CB-0724/726	Dullingari-18	6740-7060	0.75-1.0	Extrap. from Dullingari-1 (distance: 1.7 km)
CB-0727/729	Dullingari-18	7180-7550	1.0-1.25	Extrap. from Dullingari-1 (distance: 1.7 km)
CB-0730/731	Dullingari-18	7760-7820	1.25-1.50	Extrap. from Dullingari-1 (distance: 1.7 km)
CB-0732/733	Dullingari-18	8110-8400	1.50-1.75	Extrap. from Dullingari-1 (distance: 1.7 km)
CB-0734/736	Dullingari-39	7020-7460	1.0-1.25	Extrap. from Dull.North-1 (distance: 4.3 km)
CB-0739/743	Dullingari-39	7680-8190	1.25-1.50	Extrap. from Dull.North-1 (distance: 4.3 km)
CB-0744	Dullingari-39	8380	1.50-1.75	Extrap. from Dull.North-1 (distance: 4.3 km)
CB-0745/750	Dullingari-18	7847-7896	1.29-1.34	Extrap. from Dullingari-1 (distance: 1.7 km)
CB-0751/755	Derslingie-2	6370-7340	0.75-1.0	Extrap. from Derslingie-5 (distance: 1.5 km)

CB-0756/758	Daralingie-2	7440-7800	1.0+	Extrap. from Daralingie-5 (distance: 1.5 km)
CB-0759/768	Daralingie-1	6308-7360	0.75-1.0	-
CB-0769/776	Big Lake-26	7380-7810	1.0-1.25	Extrap. from Big Lake-3 (distance: 1.8 km)
CB-0771/781	Big Lake-26	7890-8160	1.25-1.50	Extrap. from Big Lake-3 (distance: 1.8 km)
CB-0782/786	Big Lake-26	8290-8530	1.50-1.75	Extrap. from Big Lake-3 (distance: 1.8 km)
CB-0787/789	Big Lake-26	8780-8910	1.75-2.0	Extrap. from Big Lake-3 (distance: 1.8 km)
CB-0790	Big Lake-26	9160	2.0-2.25	Extrap. from Big Lake-3 (distance: 1.8 km)
CB-0791/793	Big Lake-26	9330-9660	2.25-2.50	Extrap. from Big Lake-3 (distance: 1.8 km)
CB-0794/796	Big Lake-33	7530-7670	0.75-1.0	Extrap. from Big Lake-4 (distance: 2.5 km)
CB-0797/808	Big Lake-33	7790-8510	1.0-1.25	Extrap. from Big Lake-4 (distance: 2.5 km)
CB-0809/814	Big Lake-33	8500-8960	1.25-1.50	Extrap. from Big Lake-4 (distance: 2.5 km)
CB-0815/816	Big Lake-33	9160-9330	1.50-1.75	Extrap. from Big Lake-4 (distance: 2.5 km)
CB-0817/819	Big Lake-33	9600-10070	1.75-2.0	Extrap. from Big Lake-4 (distance: 2.5 km)
CB-0820/823	Burley-2	8690-8960	3.0-3.25	-
CB-0824/829	Burley-2	9050-9340	3.25-3.50	-
CB-0830/832	Burley-2	9460-9600	3.50-3.75	-
CB-0833/835	Burley-2	9730-9920	3.75-4.0	-
CB-0836/837	Burley-2	10000-110	4.0-4.25	-
CB-0838/839	Burley-2	10210-240	4.25-4.50	-

CB-0840/841	Burley-2	10450-520	4.50-4.75	-
CB-0842	Burley-2	10680	4.75-5.0	-
CB-0843	Burley-2	10810	5.25-5.5	-
CB-0844	Burley-2	11070	5.5-5.75	-
CB-0845	Burley-2	11390	6.0-6.25	-
CB-0846	Burley-2	11610	7.65-6.75	-
CB-0847/848	Burley-2	11740-990	7.675+	-
CB-0849/852	Namus-1	6920-7300	1.25-1.50	-
CB-0853/858	Marabooka-1	6720-6620	1.0-1.25	Extrap. from Madera-1 (distance: 5.5 km)
CB-0859/863	Yalcumma-1	7280-7900	0.75-1.0	-
CB-0863/868	Yalcumma-1	8160-8880	1.0-1.25	-
CB-0869/872	Yalcumma-1	9100-9690	1.25-1.50+	-
CB-0873/875	3 Queens-1	7330-7470	1.0-1.25	-
CB-0876/879	3 Queens-1	7640-8110	1.25-1.50	-
CB-0880/884	3 Queens-1	8310-8880	1.50-1.75	-
CB-0885/886	3 Queens-1	9160-9330	1.75-2.0	-
CB-0887	Dullingari-18	7896	1.34	-

# **NERDDC PROJECT 1175:**

## **APPENDIX J:**

### **CORE LOGGING SHEETS**

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Cores selected for study were logged on a 1cm:1foot scale, noting sedimentary features, broad variations in grain size, grain sorting, and differences in sediment colour. An assessment of visual porosity trends was made and the location of core plugs noted. The majority of samples collected was taken at locations where core plug data is available; in many cases, new core analyses were carried out where porosity/permeability data did not already exist.

Symbols and abbreviations used are listed overleaf.

For additional information pertaining to cores logged during NERDDC project 1175 refer to Alsop (1990), Eleftheriou (1990), Phillips (NCPGG, unpubl.), Sansome (1989), and Thomas (1990).

# Reference Sheet for logging forms

NO	DEL	DEPTH IN FEET	LITHOLOGY		LITHOFACIES	NOTES	MOISTURE %	COR. LOG	SOLIDITY	RECORDED	CORRECTED	P.C.S.
			CLD	SAND								

## LITHOFACIES

Gc	scour, gravel base
Gm	massive
Gn	horizontal bedding
Sb	bioturbated
Sd	soft sed deformed
Se	erosional scour
Sg	graded bedding
Sh	horizontal laminar
Sl	low angle crossbed
Sm	massive sand
Sp	planar crossbed
Sr	ripple mark
St	trough crossbed
Sx	crossbedded
Su/Fs	wave rippled, interlaminated

Fb	bioturbated
Fd	deformed laminae
Fg	graded bedding
F1	fine laminated
Fa	fine massive
Fr	ripple mark
Fac	laminated to massive
Fv	starved ripples

## FILL PATTERNS

	sandstone
	siltstone
	shale
	silty sand
	carb shale
	gravel
	coal
	scour base

Pug location  
 Sample location/pug  
 0199 Sample number

## POROSITY

-	trace
1	poor (1-5%)
2	fair (5-10%)
3	good (10-15%)
4	excellent (15%)

## ABBREVIATIONS

a	arenite	gr	grey	sh	shale
ark	arkose	gr	green	s/s	sand
brn	brown	l	lithic	s	stone
blk	black	l	light	s	sub
blsh	bluish	lan	laminated	v	very
brsh	brownish	a, sd	mid	v, f	very
carb	carbonaceous	pch	patch		fine
c	coal	q	quartz	wh	whit
dk	dark	rdsh	reddish	ish	
		slw	stone		

## MISCELLANEOUS

**SORTING** varies from  $\sigma = 0.2$  (left) to  $\sigma = 1.2$  (right)  
**ROUNDNES** varies from 0.1 (angular, left) to 0.9 (well rounded, right)  
**SPHERICITY** varies from low 0.3 (left) to high 0.9 (right)  
**POROSITY**  $\mu$  in %  
**PERMEABILITY**  $k$  in millidarcies  
**DEPTH** from drill core markers

## SEDIMENTARY STRUCTURES

ripple cross lamination  
 climbing ripples  
 ripple marks  
 planar crossbeds  
 trough crossbeds  
 organic stringers  
 intraclasts  
 low angle crossbeds  
 load casts  
 sediment deformation  
 microfaulting  
 stylolites  
 fine laminations  
 convolute bedding  
 channel structure  
 degrading feature  
 trails and burrows  
 slump roots



DEPTH (FT. DR.)	LITHOLOGY & GRAIN SIZE SH LVF F M I C V L G	PALAEO- ENVIRONMENT	COLOUR	SORT.	VIS. G	CORE	
						G (%)	K (mil)
5687	TOP OF CORE						
0193	(Ss) (Ss)	DISTRIBUTARY MOUTH BAR	LT. GREY TO BROWN	.....	.....	10	0.1
5690	(fL, Fb, Fg)	PRODELTA SHALES	BLACK TO BLACK- GREY, OCC. RED- BROWN			--	--
0194	(fL, Fb, Fg)						
5695	(fL, Fb, Fg)						
5700							
	BASE OF CORE						
5705							

C

AN. DEL.	DEPTH IN FEET	LITHO. UNIT		LITHOFACIES	NOTES	BLOCK TYPE	COLOR	SORT	RECORDED	SPV'S	COR. #
		CLD	SAND								
	87.00				START CORE 1						
	91				SAMPLE 35 "		lt				2
	92			S1	angular quartz and rounded, spherical siltstone & shale clasts 0.5-5cm		gr				
	93										3
	94			S1							
	95				SAMPLE 36 "						
	96			Sr	clasts to 5cm						
	96			S1							1
	97			C	coal stringers & small pinkish clasts approx 1cm up to 15cm, all aligned on flat axis & are rounded		blk				
	98			Fv			lt				1
	99			F1			gr				1
	100				SAMPLE 37 "						
	101			S1							1
	102			Sr							
	103			Fb							
	103			S1							
	104			F1							1
	104			S1			gr				
	105			F1							
	106			S1			sh				
	106			F1			gr				
	107			Sr	Large decentering slump		lt				2
	107			S1			gr				
	108			F1							
	108			F1	mud clasts 1cm long		sh				2
	109			Fv			gr				
	110										
	111			Sr			gr				2
	112			S1b	mud clast		lt				
	112			Fv			gr				
	113			Fv			sh				
	113			F1			gr				
	114			Sr	to Fv						2

AP- COR.	DEPTH #	LITHO LOG:	LITHO STRUC:	LITHOFACIES	NOTES	FRACON TYPE	COL-OR	SHDRY	RECHARD SP-ABLE	RECHY. %
	15				siderite blotches		brn			1
	16			Sl.	siderite elongated parallel to lignine mud clasts 2.5 cm long		brn			
	17				Fl. starved ripples(?)		brn			
	18			Sl.	siderite in pockets					1
	1810				END CORE 1					



BURLEY 1 / TOLACHEK / CORE 2 / 8648'-8678' / PAGE 2 OF 2

DEPTH METER	LITHO LOG	LITHO SYMBOL	LITHOFACIES		NOTES	MOISTURE TYPE	COLOR	GRAIN SIZE	SPECIAL TESTS	CORR. NO.
			SUB	GRAVEL						
75					fractured sandstone		v lt gy			1
76					Ex, siderite		lt gy		SAMPLE 43 n	
77					F1		lt gy			1
78					DIG CORE 2					



NO. OF CORRECTIONS	DEPTH IN FEET	TYPE OF LOG	LOG STRUCTURE	LITHOFACIES	NOTES	WEDGE TYPE	CORRECTION	STORY	RECORDED SAMPLES	EST. #
#/ft	FT	RED	SAND	GRAVEL						
					START CORE 1					
	918									
	97			S1	core fractured and disrupted			lt gr med gr		2
	99									3
	919				Sh, crumpled shale lens passes into stylolite			lt gr		3
					END CORE 1					
					START CORE 2					
	921				rounded silt & shale clast to 1cm					2
	19			F1	SAMPLE S2 =			sh gr		
	922									1
	21									
	22			F1				blk sh gr blk		
	23				some coal lenses					
	24				SAMPLE S3 =					1
	25			F1						
	26				med clasts, average 0.5cm			blk		
	922				END CORE 2					

DEPTH FEET	LITHOLOGY	STRUCTURE	LITHOFACIES	NOTES	BLOCK TYPE	COLOR	SHINY	SOUND	SPLIT	TEST. #
				START CORE 3						
10200				Fractured		lt				3
201			F1			gy				
202										
203			F1							
204			Sr	SAMPLE 54 =						
205				SAMPLE 55 =						
206			Sr							
207			Sr	devestering has disturbed bedding. Red clasts to 6cm, mostly elongate.						2
208			Srd	SAMPLE 56 =						
209			Sr							
210			Sr							
211			F1	SAMPLE 57 =		gy				1
212			Sr			lt				
				END CORE 3						

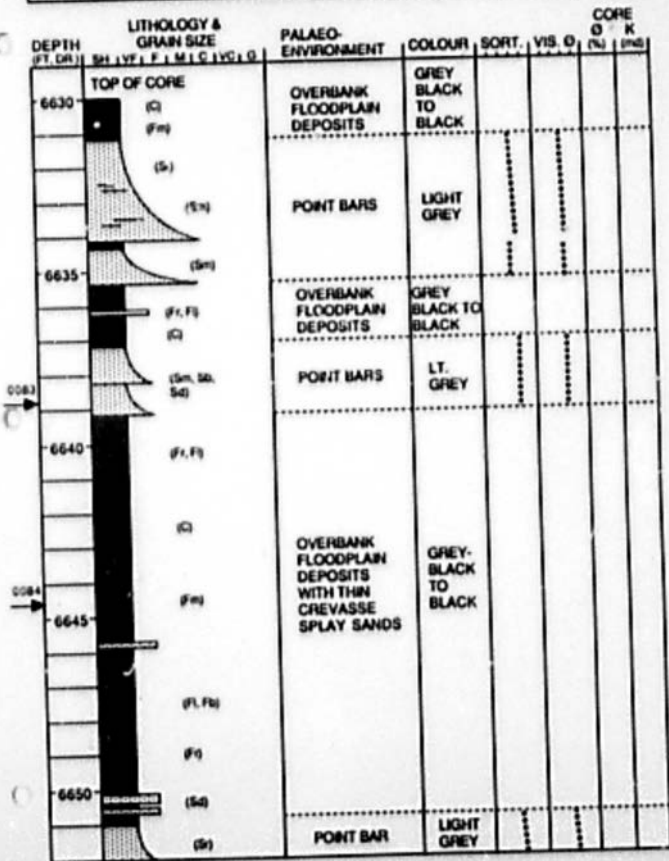


AP NO.	Z DEPTH Ft.	LITHO LOG:	STRUCT	LITHOFACIES			NOTES	SOUND TYPE	COLOR	SIPPY	DIP SPHER	R.
				SLD	SND	GRVEL						
	1376						START CORE 4	l.s.	lt			2
	1376					Sn			gy			
	1377		X									
	1378					Sn	very light, crossbedding outlined by stylolites.	sub	ark			1
	1379					Sx	Strongly fractured and recrystallised					
	1380					Sn						
	1381		X									
	1382							sub	lt			
	1382					Sn, abundant cementation		ark	gy			1
	1383						SAMPLE 58 =					
	1384											
	1385		X									
	1386					Sn						
	1386					F1	undifferentiated	shl				1
	1387					Fa	anthracitic coal	sil				
	1388					C		coal	blk			
	1388					Fa	undifferentiated, small burrows fractured, abundant siderite	shl				
	1389											
	1390		X									
	1391					F1	fractured		blk			
	1391					Fa	mud rip up clasts	sil	blk			1
	1392					Fa			gy			
	1392					F1	siltier more clay					
	1393								dk			
	1394						soft sediment deformation, numerous mud rip up clasts		gy			1
	1395					Fsc						
	1396					Su/Fv						
	1396					Su/Fv						
	1397											
	1397					Fa						
	1398					F1						1
	1398					Fsc						
	1399						soft sediment deformation					
	1400					F1						
	1400					F1			gy			

NO. DEL.	DEPTH IN FEET	LITHO LOG	LITHO STRUCT	LITHO/FACIES		NOTES	WATER TYPE	COLOR	SIGHT	SAMPLING METHOD	SMT. #
				CLAY	GRAVEL						
	11400				Fa						
	403				F1	SAMPLE SP #					1
	402				Fcc	Fine laminated silt and mud		dk gy			
	403				F1	mud clast 5cm long		dk gy			
	404				Fa						
	11405				F1						1
					Fa	END CORE 4					







DEPTH (FT. COR)	LITHOLOGY & GRAIN SIZE					PALAEO- ENVIRONMENT	COLOUR	SORT.	VIS. Ø	CORE	
	SH	VP	F	M	C					Ø (%)	K (mm)
6683					(S)	POINT BARS	LIGHT GREY / BUFF			14.1	0.5
6655					(S)						
6646					(S, Ss)						
6660					(S)						
6660					(Ss)						
					(Sm)				14.4	4.5	
					(S)					14.4	4.2
					(Gm)					15.8	3.3
6665					(C)	OVERBANK FLOODPLAIN DEPOSITS	GREY BLACK TO BLACK				
					(C)						
					(F, Fb)						
6670					(C)						
					(Fm, FL, Fb)						
					(C)						



DEPTH (FT. DR)	LITHOLOGY & GRAIN SIZE										PALAEO- ENVIRONMENT	COLOUR	SORT.	VIS. $\emptyset$	CORE	
	SH	LY	F	M	C	VC	O	G	K	(%)					(mm)	
6690	TOP OF CORE										FLUVIAL POINT BARS	LT. GREY	.....	.....	---	---
0081	(Fl. F) (Sr) (Sr. Ss)															
	(Sm)															
	(Gm)															
6695	(Sl. Sr)															
	(Gms)															
0082											OVERBANK FLOODPLAIN DEPOSITS	MED. GREY	.....	.....	---	---
6700	(Fr. Fd. Fb)															
	BASE OF CORE															









DEPTH (FT. DR.)	LITHOLOGY & GRAN SIZE		PALAEO- ENVIRONMENT	COLOUR	SORT.	VIS. G	CORE	
	SH	LV, F, M, C, LV, G					Q (%)	K (IN)
0196	TOP CORE	(Sm)	? CHANNEL	RED GREY/ WHITE			17.9	31
		(C) Fl, Fr, Fg	DELTA PLAIN MARSH SEDIMENTS	BLACK GREY- BLACK				
6200		(Sm, Sx)	PROXIMAL DISTRIBUTARY MOUTHBAR SHORELINE DEPOSIT	LT. GREY TO BUFF GREY			21	81
0199		(Sm, Sx)					17.2	18
6205		(Sx, Ss)					20.8	98
6210		(Fr, Fb, Fg)	PRODELTA SHALES AND SILTS	GREY BLACK				
0200		(Fr, Fb, Fg)						
6215		(Fr, Fb, Fg)						



DEPTH (FT. DR)	LITHOLOGY & GRAIN SIZE										PALAEO- ENVIRONMENT	COLOUR	SORT.	VIS. D	CORE		
	SH	VF	F	M	C	VC	G	D	K	(%)					(mg)		
6901	TOP OF CORE										OVBANK FLOODPLAIN DEPOSITS	BLACK					
	fL, Ff																
0183 6905	(Ss, Sr)										POINT BAR SEQUENCE	DOM. LT. GREY			9.4	0.18	
	(Ss, Sr)																
	fF, Ff																
	(Ss, Sr)										OVERBANK FLOODPLAIN DEPOSITS	BLACK					
	fL, Sr																
6910	(Ss, Sr)										POINT BAR	LT. BROWN			7.3	0.06	
	BASE OF CORE																

DEPTH (FT. OR)	LITHOLOGY & GRAIN SIZE										PALAEO- ENVIRONMENT	COLOUR	SORT.	VIS. Ø	CORE	
	SH	VF	F	M	C	VC	Ø	(%)	(me)							
7200	TOP OF CORE															
7205											POINT BAR	DARK GREY	.....	.....	---	---
7210											FLOODPLAIN DEPOSITS	BLACK TO GREY- BLACK				
	BASE OF CORE															

DEPTH (FT DR)	LITHOLOGY & GRAIN SIZE S <sub>H</sub>   V <sub>F</sub>   F <sub>1</sub>   M <sub>1</sub>   C <sub>1</sub>   V <sub>1</sub>   G <sub>1</sub>   D	PALAEO- ENVIRONMENT	COLOUR	SORT.	VIS. G	CORE	
						G (%)	K (10 <sup>-2</sup> )
7840	TOP OF CORE	OVERBANK FLOODPLAIN DEPOSIT ICREVASSE SPLAY	GREY - BLK/ GREY	:	:	4.6	0.02
	(FL Fg) (Sr. Sg) (FL Fg) (Sr)						
7845	(Sr. Sg) Frac.	ACTIVE CHANNEL SEQUENCE (POINT BARS)	LT. GREY TO GREY- RED	:	:	9.7	1.5
	(Sr. Sg)						
7745	(Sr. Sg)						
	(Sr. Sg, Ss)						
	(Sr. Sg)						
7850	(Sr. Sg)						
	(Sr. Sg)						
	(Ss)	OVERBANK FLOODPLAIN DEPOSITS	BLACK- BLK- GREY	:	:	8.5	0.5
	(Ss, Sr)						
7855	(Qms, Sm, Sl, Sr)						
	(Sm, Sg)						
7745	(Frac. Fd, Fb, Fg)						
7860	BASE OF CORE					11.9	1.39
						13	7.1

DEPTH (FT. OR)	LITHOLOGY & GRAIN SIZE SH   VF   F   M   C   VC   O	PALAEO- ENVIRONMENT	COLOUR	SORT.	VIS. O	CORE	
						O (%)	K (mil)
-7860	TOP OF CORE						
	(Sr. Sh. Sst. Sst)					5.3	0.2
	(S)						
-7865	(Sm, Sr)					6.7	0.2
	(Sm)	ACTIVE CHANNEL SEQUENCE/ STACKED CHANNEL SANDS	LT. GREY TO GREY BLACK			8.8	0.4
	(S)					5.1	(16) 0.4
-7870	(Frac)					7	0.4
	(Sl. S)						
	(Ss, Sr)					9.9	1
	(Sm)					9.4	1.2
	(Sm, Sr, S)					8.2	0.5
	(Co. Co. Sr. Sm)					5.1	0.5
-7875	(F)	VERT. ACCRETION	BLACK				
	(Sm)	STACKED CHANNEL SANDS	LT. GREY			9.3	0.8
	(S)					8.6	1.1
-7880	(Frac. F)	OVERBANK FLOODPLAIN DEPOSITS	BLACK TO BLACK- GREY				
	(FL, Fb, Fr, Fd)						



DEPTH (FT. DR)	LITHOLOGY & GRAIN SIZE				PALAEO- ENVIRONMENT	COLOUR	SORT.	VIS. D	CORE		
	SH	VF	F	M.I.C (V) G					G (%)	K (mm)	
7885					OVERBANK FLOODPLAIN DEPOSITS (VERTICAL ACCRETION)	BLACK- GREY					
7890											
				(Ss, Sl)							
				(Ss, Sl) (Ss, Sl)					8.1 (7)	6.0 0.09	
				(Sl)	STACKED CHANNEL SANDS (POINT BARS) (LATERAL ACCRETION)	LIGHT GREY			9.7	1.2	
0748				(Sl, Ss)						9.5	1.1
7895				(Ss, Sl, Sl, Ss)						12.7	4.1
				(Ss, Sl, Sl, Ss)						14.4	18
				(Sl, Sl)						13.3	5.4
				(Frac. T)						15.3	28.8
				(Ss, Sl)				8	0.5		
7900				(Cl)							
					OVERBANK FLOODPLAIN DEPOSITS	BLACK- GREY					
				(Fr, Fb, Fnc)							

DEPTH (FT. DR.)	LITHOLOGY & GRAIN SIZE										LITHOFACIES/ NOTES	COLOUR	SORT.	VIS. Ø	CORE		
	SH	VF	F	M	C	LV	LV	LV	LV	LV					Ø (IN)	K (IN)	
7906	(Fr, Fb) (Sst, Fr, Sr, Fb, Ss) (Fr, Fb)										OVERBANK FLOODPLAIN DEPOSITS, INCL. 7 CREVASSE SPILL SANDS	BLACK TO GREY-BLACK					
7910	(Ss) (Sm) (Sh, Sr, Ss, Ss)										CHANNEL POINT BARS	LT. GREY			5	0.2	
7915	(C) (Fb, Fr, F, Fss) (Sm, Ss, Sr)										OVERBANK FLOODPLAIN DEPOSITS	BLACK TO GREY-BLACK			6.1	0.5	
7920	(C) (Sm, Ss, Sr)										CHANNEL POINT BAR	LT. GREY			2.4	0.5	
	BASE OF CORE																

DEPTH (FT. OR)	LITHOLOGY & GRAIN SIZE					PALAEO- ENVIRONMENT	COLOUR	SORT.	VIS. @	CORE			
	SH	VP	F	M.I.C	LYC					G	Ø (in)	K (in)	
	TOP OF CORE										6.4	0.36	
7663											11.6	0.4	
0234											8.3	0.25	
7665					(Sr, Ss)	DISTRIBUTARY MOUTH BAR					10.8	0.25	
					(Ss, Sr, Ss)						8.9	0.14	
					(Ss)						9.6	0.17	
7670					(Ss)						8.7	0.14	
					(Sl, Sr, Ss) (Fl, Fr)						7.1	0.12	
3.5					(Ss, Sr, Ss)		SANDS: LIGHT GREY TO LIGHT- BROWN GREY; SHALY INTER- VALS: BLACK				7.5	0.14	
					(Ss, Sr, Ss)						6	0.03	
					Fr						6.1	0.09	
7675					(Sl, Ss, Sr) (Fr)								
					(Ss, Ss, Sr) (Sr, Ss, Sr)	? DISTRIBUTARY CHANNEL FILL							
					(Ss, Ss)								
7680					(Ss, Ss)						8.8	0.2	
					(Ss, Ss)						11	0.75	
					(Ss)						9.2	0.98	
0236					(Ss)					11.1	0.83		
					(Ss, Ss, Ss)					11.5	0.31		

DEPTH (FT. DR)	LITHOLOGY & GRAIN SIZE										PALAEO- ENVIRONMENT	COLOUR	SORT.	VIS. Ø	CORE	
	Sst	Vf	F	M	C	VG	G	Ø (%)	K (mm)							
7686	[Lithology: (Sl, Sm, Ss)]										7 DISTRIBUTARY CHANNEL FILL	LIGHT- GREY TO LIGHT BROWN GREY			10	0.27
0227	[Lithology: (Sl, Ss)]														7.1	0.07
7690	[Lithology: (Sl, Ss, Sb, Sg)]										MOUTH BARDELTA FRONT				8.2	0.18
0228	[Lithology: (Sl, Ss, Sb, Sg)]															
7695	[Lithology: (Fr, Fl, Fb)]										PRODELTA SHALES	BLACK				
0238	[Lithology: (Fb, Fr, Fl, Fd)]															
BASE OF CORE																

AN. DEL.	DEPTH	LITHO LOG / STRUCT.	LITHOFACIES			NOTES	ROCK TYPE	COLOR	MOIST.	FIELD SPHER.	SPHER.	C.W.T. #
			MUD	SAND	GRAVEL							
	32.5					START CORE 1						1
	33					Sh, flaggy, fractured	gr					
	34					Ss	gn					1
	35											
	35					SAMPLE 9 =						
	36					coaly wisps max clast size 14m						
	37					Ss						1
	38											
	39					S1 Sr						2
	40					S1						
	41					FL/S1 max clast size 17m						1
	42					Sb/Fb						
	43					Sh						
	44					Sr						1
	45											
	45					mud clasts						
	46					St						
	47											
	48											1
	49											
	49					SAMPLE 12 =						
	50											
	51											
	52											
	53											
	53					SAMPLE 13 =						1
	54											
	54					Ss, visible quartz overgrowths						
	55											
	56					Fl, very well laminated						

NO.	DEPTN	LITHO STRUC		LITHOFACIES	NOTES	FRESH TYPE	COLOR	SORT	PACKED	UNPACKED	CORR.
		FLD	SAND								
58				F1, very well laminated sed repetition 5-15cm scale		dk grn					-
59				possible siderite F1	SAMPLE 14 =						-
60				SL/F1							-
61				Fa	sands:br-gr shale:gr						-
62				Sr			blk				-
63				minor coa			gr				-
64				Sb			br- gr				-
65				Fb							-
66				SL/F1							-
67				Sr							-
68				F1			dk gr				-
69				well laminated							-
END CORE 1											

AP DEL	DEPTH IN FEET	LITHOLOGY		LITHOFACIES	NOTES	ROCK TYPE	CONJUR	BIURTY	CORROD SPACES	EST. %
		SLT	SAND							
	9700			Sr	START CORE 1					3
	01			Ss clay filled pores						
	02			F1 mud clasts						
	03			S s fractured	SAMPLE 15 =					4
	04			Fvb						
	05			fractured, shale stringers						
	06			mud & siltstone clasts						
	07									
	08									
	09			Fv						
	9710									
	11									
	12									
	13			Sr, elongate mud clasts						3
				0.5 to 3m long	SAMPLE 16					2
	14			fine sand & shale laminae. Shale =						
	15			bioturbated, contact bioturbated						
	16			Fv						
	16			mud clasts	burrows within shale					
	17			burrows	beds are compressed					
	17			Fvb	& infilled with silt					
	18			Fv starved ripples	SAMPLE 17 =					
	19			Sx, stylolites contain some						2
				shale or coal						
	9720									
	21			F1						
	21			Sx, well rounded fine s/s clasts						
				to 3m. Clay filled pores.						
	22			carbonaceous mud, coal in thin						
	23			beds. No sand visible.						
	23			Some vertical calcitic mineralization						
	24			in mud beds.						
	9730			Sx						2

DEPTH	LOG	STRAT	LITHO/FACIES	NOTES	LOG TYPE	COLOR	SOFT	MOIST	SPHER	EST. #
ft	INCH	SOFT	GRAVEL							
26			Su/Fv							1
26			Ss							
27			F1							
28			Ssd							
29				fractured sands						2
30			Ss	Ss silty shale in blocks to 2m						
31			C	SAMPLE 12 = interbedded silt & mud, numerous fractures in the mud						
32				interbedded silt & mud, numerous fractures in the mud						
33				interbedded silt & mud with some sand; Fb, F1 & C						
34				well has vertical siderite veins, shale laminae have vertical fractures		sh				
35										
36			Su/Fv	a few fractures associated with areas of disturbance		sh				1
36			Srs							
37			F1							
37				END CORE 2						



DEPTH (FT. DR.)	LITHOLOGY & GRAIN SIZE										PALAEO- ENVIRONMENT	COLOUR	SORT.	VIS. Ø	CORE		
	S1	VF	F	M	C	YG	G	Ø (in)	K (in)								
6681	TOP OF CORE										INTER- DISTRIBUTARY AREA/ DELTA MARSH	GREY- BLACK TO BLACK					
	(Fl. Fb)																
0110	→ (F)																
6685	(Fl. Fb)																
	(Fl. Fb)																
	(Fl. Fb. Fd)																
6690	(Frac)										DISTRIBUTARY MOUTH BAR	WHITE GREY			13.6	0.15	
	(Sr. Ss. Sl. Sd)																
0111	→ (Sd. Ss)																
	(Sr. Sd. Ss)																
0112	→ (Gm)										PRODELTA SHALES	GREY- BLACK TO BLACK					
6695																	
	(Fm) ↑																
	(Frac) ↓																
	(Fm) ↓																
6700											BASE OF CORE						





DEPTH (FT. OR)	LITHOLOGY & GRAIN SIZE						PALAEO- ENVIRONMENT	COLOUR	SORT.	VIS. G	CORE		
	SH	LV	F	M	C	LYS					LY	G	G (%)
5730	TOP CORE						POINT BAR DEPOSIT	RED-BROWN				11.2	0.52
0186	(Fl. Fb. Fd)												
0187	(Sm. Sa)												
5735	(Fm)						OVERBANK FLOODPLAIN DEPOSITS WITH THIN CREVASSE SPLAY SANDS	BROWN/ GREY-BLACK					
	(Sl. Sd)												
	(Fb. Fg)												
	(C)												
5740	(Fb)												
	(C)												
	(Fr. Fd)						POINT BAR	LT. BROWN					
5745	(Sa. Sb)												
	(Fr. Fb. Fd)						OVERBANK FLOODPLAIN DEPOSIT	GREY-BLACK TO BLACK					
5750	(C. Fm. Fg)												

DEPTH (FT. OR)	LITHOLOGY & GRAIN SIZE		LITHOFACIES/ NOTES	COLOUR	SORT.	VIS. Ø	CORE	
	SH	VF, F, M, C, V, G					Ø	K (ms)
5755		(C)	OVERBANK FLOODPLAIN DEPOSITS WITH ? CREVASSE SPRAY SANDS	GREY- BLACK TO BLACK				
		(Fr, Fb, Fg)						
		(F)						
		(Fr, Fb)						
		(S)						
5760		(Fr)	POINT BAR SEQUENCE/ ? CREVASSE SPRAY SANDS	LT. BROWN TO GREY			9.05	0.24
		(S)						
		(Fr, Fd)						
0189		(Sb)						
		(Fm)						
0190		(Sx, Sb)	OVERBANK FLOODPLAIN DEPOSITS	GREY TO BLACK			1.9	0.3
5765		(Sm)						
		(C)						
		(Fb, Fr, Fd)						
		(Fm)						
5770		(c, Fr, Fd)						
		(C)						

DEPTH (FT DR)	LITHOLOGY & GRAIN SIZE SH   VF   F   M   C   VC   G	PALAEO- ENVIRONMENT	COLOUR	SORT.	VIS. G	CORE	
						D (%)	K (ms)
	(G) Fb, Ft, Ft (Sr, Ss)	OVERBANK FLOODPLAIN DEPOSITS	GREY- BLACK TO BLACK				
	(Sx, Sm)					9.05	0.62
	(Sx)					11.6	0.68
01						15.1	4.5
						13.3	2.5
						7.45	0.44
5780		POINT BAR DEPOSITS	LT. GREY			13.3	3.7
						14.9	12.6
01						16	215
						14.6	48
						14.1	9.8
						16	35
5785	BASE OF CORE						

















DEPTH (FT. DR)	LITHOLOGY & GRAIN SIZE			PALAEO- ENVIRONMENT	COLOUR	SORT.	VIS. Ø	CORE Ø K	
	SH	VP	F, M, I, C, VC, G					(%)	(IND)
	TOP CORE								
7305			(Ss, Sa)					9.9	0.25
0199			(Ss, Sa)					11.6	0.68
			(Ss, Sa)					11.4	2.6
			(Ss, Sa)					10.9	0.58
			(Ss, Sa)					11.4	1.5
			(Ss, Sa)					11.6	
7310			(Ss, Sa)					11	0.73
			(Ss, Sa)					12	2.5
			(Ss, Sa)	?	GREY BROWN TO GREY PINK			11.2	8.2
			(Ss, Sa)					11.6	0.82
			(Ss, Sa)					11	0.75
7315			(Ss, Sa)					10.6	0.5
			(Ss, Sa)					11.2	0.2
			(Ss, Sa)					12	3.9
			(Ss, Sa)					10.4	1
			(Ss, Sa)					12	1.7
7320			(Ss, Sa)					10.6	1.15
			(Ss, Sa)					11.4	1.5
			(Ss, Sa)					11.2	1.2
			(Ss, Sa)					12.2	1.5
0198			(Ss, Sa)					12	1.4



DEPTH (FT. DR.)	LITHOLOGY & GRAIN SIZE					PALAEO- ENVIRONMENT	COLOUR	SORT.	VIS. G.	CORE	
	SH	LY	F.	M.C.	LYG.					(%)	(mm)
5791-	TOP OF CORE										
					(Fb)						
					(C)						
					(Fr, Fb)						
5795-											
					(C)						
					(Fr, Fb)						
5800-					(C)	DELTA MARSH SEDIMENTS	BLACK TO BLACK- GREY				
					(fm, FL, Fb, Fr)						
5805-											
					(fm, FL, Fb, Fr)						
					(C)						
					(Fr, Fb)						
5810-											
					(fm, FL, Fb)						







DEPTH (FT. DR)	LITHOLOGY & GRAIN SIZE					PALAEO- ENVIRONMENT	COLOUR	SORT.	VIS. G	CORE	
	SH	LY	F	M.C	LYG					G	K
6160	TOP OF CORE										
					(Fl, Fb)						
					(fm, Ff)						
6165											
6170					(Fl, Fb, Fr, Fm)	OVERBANK FLOODPLAIN DEPOSITS	BLACK TO GREY- BLACK				
					(fm, Fd, Ff)						
					(Fl, Fb, Fr, Fm)						
6175					(C)						
6179					(fm, Fr, Fb, Fd)						
6180					(Sh, Br, Ss)	CREVASSE SPILL	GREY				

DEPTH (FT. DR.)	LITHOLOGY & GRAIN SIZE							PALAEO- ENVIRONMENT	COLOUR	SORT.	VIS. O	CORE	
	SH	VF	F	M	C	VC	G					O (%)	K (mils)
							(C)						
6185							(Fb, Fd, Fl, Fr)	OVERBANK FLOODPLAIN DEPOSITS WITH THIN CREVASSE SPRAY SANDS	GREY BLACK TO BLACK	***	***	14.9	1.8
							(Sh, Sr)						
							(Ssf, Fc, Fr, Ff)						
6190							(Sr, Ss)						
							(Ss, Sr)						
6195							(Ss, Sr)	POINT BAR SANDS	LT. GREY TO GREY BROWN				
							(Sr)						
							(Ss)					17.6	22
							(Sr, Ss)						
6200												16.1	15
6180							(Ss, Ss, Ss, Sr)					18.3	81
							(C) Coal with dull luster	OVERBANK	BLACK- BROWN				



DEPTH (FT. DR.)	LITHOLOGY & GRAIN SIZE										LITHOFACIES/ NOTES	COLOUR	SORT.	VIS. Ø	CORE	
	SP	LV	F	M	C	LV	G	Ø	K	(%)					(mm)	
	TOP CORE														17.1	0.63
											(Sm, Sx)				15.7	59
															16.2	241
															19.8	150
6830											(Sm, Sx)				21.2	270
															19.3	315
															15.8	101
											(Sm, Sx)				20.6	176
															20.5	99
6835															17.3	318
															15.2	38
											(C)					
6840											DELTA MARSH	BLACK				
															22.5	303
															20.7	236
															20.5	174
											(Sm, Sx)				15.5	74
											DISTRIBUTARY MOUTH BAR	LIGHT GREY TO RED BROWN			20	113
6845															17.7	87
															18.2	83
											(Sx, Sx)					



# **NERDDC PROJECT 1175:**

## **APPENDIX K: POROSITY-PERMEABILITY DATABASE**

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This Appendix lists the porosity-permeability data used for statistical investigation of the reservoir character in the Cooper/Eromanga Basins (Chapter 5; section 5.2). The data was obtained from the Cooper Basin Consortium Group of Companies and the South Australian Department of Mines & Energy (SADME).

All porosity-permeability measurements were obtained under ambient laboratory conditions. Depth references (in feet KB) are approximate only. The code '999' in either the porosity or permeability column signifies that no data was available at that location. 'Zero' permeability refers to permeability measurements of less than 0.001 md (column width restrictions).



Well	KB (R.)	Formation	Depth (R KB)	Purity (%)	Permeability (md)
Andre-1 (Santos)	113.06	Tirrawarra	-10125	9	0.5
			-10127	7.3	0.58
			-10128	7.9	2.4
			-10132	7.3	0.7
			-10136	6.2	0.097
			-10138	7.9	0.1
			-10140	7.1	0.07
			-10143	7.2	0.21
			-10145	9.7	1
			-10148	11	1
-10150	11.3	0.86			
Andre-2 (Santos)	155.17	Pachawarra	-9628	10.5	0.74
			-9629	7.5	0.16
			-9631	8.8	0.24
			-9632	9.9	0.77
			-9633	10.5	0.49
			-9634	9	0.24
			-9635	7.3	0.48
			-9636	11.4	0.58
			-9637	11.5	0.92
			-9640	0.3	0.029
			-9641	5.4	0.33
			-9643	8	0.073
			-9644	6.6	0.078
			-9646	5.9	0.017
			-9650	5.7	44
			-9651	5.9	0.085
			-9653	4.2	0.022
			-9660	10.4	0.83
			-9661	11.3	1.7
			-9662	11.9	3.6
-9663	9.9	7.5			
-9664	8	0.091			
-9665	10.4	0.42			
-9667	9.6	0.3			
-9668	10.1	1.4			
-9669	8.9	0.2			
-9670	10	0.45			
Andre-2 (SADME)	155.17	Pachawarra	-9636	9.7	0.672
			-9638	10.3	0.531
			-9639.5	7.3	0.075
			-9640	10.4	0.357
			-9640.5	11.6	0.825
			-9642	11.4	1.24
			-9643	3.8	0.002
			-9643.5	1.7	0.001
			-9646.5	7.5	0.026
			-9648	8	0.549

			-9649	5.1	0.036
			-9649.5	1.1	0.001
			-9658.5	4.8	0.015
			-9659.5	4.8	0.211
			-9661.5	11.8	1.02
			-9663	11.1	0.746
			-9664	10.8	0.624
			-9665	10.5	0.49
			-9667.5	8.7	0.135
			-9668.5	10.2	0.428
Beanbush-1	164.23	Pookowanna	-8715	9.6	2.2
(Sanco)			-8717	5.2	0.15
			-8719	1.9	0.1
			-8721	2.5	0.017
			-8723	3.4	0.025
			-8724	13.4	0.3
			-8726	8.8	0.07
			-8728	5.1	0.13
			-8730	10.4	0.3
			-8731	4.8	580
			-8732	14.4	134
			-8733	16.1	292
			-8734	14.2	1025
			-8735	12.8	1880
			-8736	9.5	166
			-8737	11.3	536
			-8738	13.9	853
			-8739	11.7	287
			-8740	0.5	0.014
			-8742	0.8	0.16
			-8743	6.6	1.4
			-8744	5.2	0.27
Beanbush-1	164.23	Pookowanna	-8715	8.4	0.286
(SADME)			-8715	8.7	0.215
			-8719	2.8	0.014
			-8721	3.1	0.05
			-8722	3.3	0.081
			-8723	3.4	0.019
			-8724	7.8	0.142
			-8725	10.5	1.7
			-8725	8.2	0.109
			-8726	8.9	0.093
			-8727	11.5	0.308
			-8728	1.4	0.007
			-8729	9.4	0.196
			-8730	15.7	779
			-8731	15.5	731
			-8732	14.4	423
			-8733	15.1	352
			-8735	13.3	1130
			-8737	15.8	3790
			-8737	12.1	2540
			-8739	12.5	671

			-7744	13.3	65
Beanbush-1 (Santos)	164.23	Troxelachor	-10606	7.6	1.6
			-16606.5	10.5	3
			-10608	7.6	0.6
			-10609	7.5	0.4
			-10610	8.2	0.5
			-10611	8.2	0.3
Beanbush-1 (Santos)	164.23	Paichawarra	-10850	6	0.2
			-10851	7.9	0.5
			-10851	7	0.5
			-10852	9.1	0.5
			-10874	2.7	0.607
Big Lake-1 (Santos)	121	Troxelachor	-7657	12.2	1.4
			-7658	12.8	2
			-7659	13.7	3.4
			-7660	14.7	2.8
			-7661	13.2	17.5
			-7662	16.3	7.9
			-7663	10.8	1.3
			-7664	14.6	2.5
			-7665	12.4	2.9
			-7666	8.95	0
			-7667	14.1	2.7
			-7668	14	3.5
			-7669	14.5	8.1
			-7670	11.8	6
			-7686	18.1	314
			-7687	12.6	6.4
			-7688	17.3	79
			-7689	11.3	1.8
			-7690	10.7	3.4
			-7691	20.7	24.2
			-7692	15.7	6.6
			-7693	16.5	11.4
			-7694	14.7	6.4
			-7695	12.4	1.6
			-7698	17	208
			-7699	7.25	0
-7700	18.1	132			
-7701	15.5	26.7			
-7702	12.9	47.4			
-7703	13.6	7.1			
-7712	13	6.2			
-7713	14.8	6.2			
-7714	8.9	1.5			
-7715	12.8	4.1			
-7716	10.7	6.1			
-7722	10.7	1.7			
-7723	12.2	0.5			
-7724	10.6	0.5			
-7725	12.1	1.5			
-7726	12	0.5			

			-7735	12.6	2.1
			-7736	15.1	4.4
			-7737	15	5.3
			-7738	14.5	14.8
			-7739	16.9	36.6
			-7740	11.2	0.5
			-7741	8.61	0
			-7746	15.5	7.8
			-7747	10.9	0.5
			-7748	11.2	1.5
			-7749	10.4	1.5
			-7750	13.6	1.6
			-7751	12.8	1.7
			-7752	12.7	1.3
			-7753	7.43	0
			-7754	13.9	7.8
			-7759	14.3	15.9
			-7760	11.1	2.4
			-7761	14.2	1.7
			-7800	10.2	0.5
			-7801	9.6	0
			-7802	7.55	0
			-7803	10.6	0.5
			-7804	11.9	0.5
			-7805	10.6	0.5
Big Lake-1 (NCPOG)	121	Toolachee	-7645	1.1	0.011
			-7650	4.6	0.03
			-7659	12.5	1.72
			-7669	13	13.2
			-7707	6.7	0.055
			-7709	4	0.032
			-7713	10.9	6.09
			-7737	5	0.036
			-7741	5.2	0.18
			-7744	0.9	999
			-7751	10.7	0.659
			-7754	9.9	4.54
			-7756	4.3	0.108
			-7768	2.7	0.021
			-7771	0.8	0.021
			-7774	4.4	0.034
			-7794	6.2	0.061
Big Lake-1 (SADME)	121	Daralingie	-7830	5.4	0.02
			-7831.5	6.7	0.05
			-7832.5	6.6	0.08
			-7833	7	0.05
			-7833.5	7.6	0.08
			-7834	7.5	0.07
			-7835.5	8.3	0.1
			-7839.5	10.2	0.18
			-7840.5	7.4	0.8
			-7841	3.7	0.1

Big Lake-1 (Santos)	121	Pachawarra	-8612	6.43	0
			-8613	9.38	3.5
			-8615	6.83	0
Big Lake-1 (NCPGG)	121	Pachawarra	-8605	3.6	0.033
			-8632	3.8	0.034
			-8640	2.6	0.056
Big Lake-2 (Santos)	121	Toolachee	-7453.9	9.6	0.55
			-7454	12	1.9
			-7454.8	11.2	1.04
			-7455	12.6	2
			-7455.8	11.5	0.79
			-7456	13.6	2.3
			-7457	15	18.4
			-7457	13	51.65
			-7458	8.8	0.5
			-7459	14.8	15.9
			-7460	10.5	5.8
			-7461	16.9	187
			-7461.9	11.6	7.63
			-7462	11.3	1.4
			-7463	12.1	4.1
			-7464	16	174
			-7464.5	13.7	127.7
			-7465	12	1.5
			-7466	11.6	1.8
			-7466.7	11	3.36
			-7467	13.1	4.6
			-7468	9.7	0.5
			-7469	11.9	2.3
			-7469.8	13.5	33.01
			-7470	13.9	5
			-7471	18.5	245
			-7472	15.1	36.3
			-7472	17.3	280.2
			-7473	19.1	290
			-7473	13.6	33.76
			-7475	12	5.93
			-7480	5.4	0.01
-7483	10.8	0.5			
-7483.1	7.9	0.05			
-7483.8	8.7	0.11			
-7484	10.7	0.5			
-7551	17.7	196			
-7552	19.1	291			
-7553	20.8	378			
-7554	18.9	407			
-7554.3	15	369.7			
-7555	20.3	38.7			
-7556	16.6	25.9			
-7556	16	77.12			
-7557	18.3	194			
-7557.9	17.8	299.96			
-7558	21.6	467			

-7559	20	865
-7560	16.9	312
-7561.9	16	510.51
-7566	15.6	31.8
-7567	18.4	104
-7568	12.7	1.8
-7569	13.8	16
-7569	13.7	78.32
-7570	13.1	0.5
-7570.9	6.8	0.01
-7571	12.9	0.5
-7572	12.9	2.4
-7573	13	1.7
-7573	11.1	2.42
-7574	12.7	1.6
-7575	10.2	0.5
-7575.9	3.7	0.29
-7576	12.8	2.3
-7577	13.7	4
-7577.3	9.7	0.26
-7578	14.7	13.2
-7578.1	11.4	0.6
-7579	11.2	0.5
-7580	15.3	23.5
-7580	8.9	0.1
-7581	16.4	20.3
-7581.1	11.5	4.87
-7582	18.9	344
-7583	20.1	193
-7584	8.7	0.5
-7584.1	17.3	370.65
-7585	4.4	0
-7586	12.1	6.8
-7587	13.1	3.3
-7587	8.6	0.8
-7588	15.8	10.7
-7589	19.9	160
-7590	18.5	259
-7590.1	11.8	18.18
-7591	17.3	122
-7592	15.5	52.19
-7599	11.4	0.5
-7600	18.1	109
-7601	15.1	11.5
-7602	16.2	13.4
-7603	999	20.3
-7604	13.6	10.3
-7605	17.1	42.2
-7606	19.6	309
-7607	17.5	91
-7608	14.9	15.3
-7611	9.2	0.5
-7611.8	7.6	0.05
-7612	7.9	0
-7613	9.4	0

-7615	7.4	0
-7616.4	8.1	0.02
-7617.7	1.6	0
-7618.7	8.9	0.14
-7619.1	8.1	0.12
-7620	13.8	2.5
-7620.6	12.2	1.7
-7621	18.2	78
-7621	14.7	18.42
-7622	16.6	14.2
-7623	13.4	6.9
-7624	21.3	257
-7625	16.2	21.3
-7626	17.3	65.7
-7628	13.7	30
-7628	16.4	321.93
-7629	12.5	4.8
-7629.3	13.3	14.51
-7630	11.8	3.2
-7633	17.5	23.9
-7634	11.4	0.5
-7635	20.5	194
-7636	16.1	110
-7636.8	16.4	95.55
-7637	20	222
-7638	18.3	131
-7639	19.9	287
-7640	11.1	4.1
-7647.3	7.2	0.02
-7649	6.1	0.01
-7672	3.9	0
-7673.8	8.4	0.07
-7677	11.2	0.5
-7677.1	9	0.05
-7678	5.9	0
-7678	7.2	0.04
-7679.1	6.7	0.11
-7680.6	6.6	0.03
-7681.1	8	0.09
-7682	11.9	0.1
-7682	9.1	0.14
-7683.7	9.9	0.36
-7684	11.2	1.5
-7461.3	10.2	0.77
-7462.5	12	1.47
-7463.5	12.2	1.11
-7464.5	13.5	54.52
-7469.5	12.3	9.06
-7473	14.4	151.12
-7475	11.6	5.22
-7478.5	14	36.03
-7480.5	18.1	306.56
-7481.5	14	40.39
-7482.5	12.6	7.4

Big Lake-2      121      Toolachee  
(SADME)

			-7495.5	5.7	0.02
			-7498.5	8.4	0.09
			-7499.5	9.2	0.31
			-7500.5	19.1	481.96
			-7562	17	103.75
			-7564	18.6	340.13
			-7565	16.5	575.7
			-7572	14.2	92.13
			-7574	7.4	0.05
			-7576	11.9	3.71
			-7580.5	10.6	0.6
			-7581	11.8	1.07
			-7583	9.5	0.38
			-7584	12.4	7.2
			-7587	18	407.76
			-7590	9.3	1.86
			-7593	12.4	20.12
			-7595	16.2	60.29
			-7613	8.4	0.13
			-7617	8.4	0.03
			-7618.5	1.7	0
			-7619	9.6	0.32
			-7619.5	8.8	0.36
			-7621	12.9	7.19
			-7621.5	15.4	21.93
			-7629	18.1	533.74
			-7629.5	14.9	29.23
			-7637	17.7	131.67
			-7648	7.7	0.07
			-7649.5	6.5	0.02
			-7673	9	0.19
			-7676	9.7	0.19
			-7677	7.8	0.12
			-7678	7.2	0.47
			-7679.5	7.3	0.12
			-7680	8.6	0.3
			-7681	9.8	0.32
			-7682.5	10.6	0.62
Big Lake-2 (NCPGG)	121	Toulache	-7548	9.7	0.742
			-7549	0.9	999
			-7562	8.3	1.12
			-7595	4.3	0.04
			-7607	17	124
			-7630	7.7	0.598
			-7659	4.2	0.023
			-7672	4.2	0.028
Big Lake-3 (Sannon)	139	Epnikon	-8251	14.7	5
			-8251.4	12.8	2.84
			-8253	11.3	0.5
			-8253.7	7.6	0.02
			-8254	8.1	0.01
			-8255	11	0.5
			-8255.2	10	0.14



			-8256.1	8.4	0.06
			-8256.7	9.5	0.06
			-8257.6	7.8	0.03
			-8258.3	7.4	0.31
			-8261.2	6.6	0.01
			-8264	17.4	48.4
			-8264	14.5	47.74
			-8265	13.8	3.3
			-8265	12.8	8.92
			-8266	14.6	5.9
			-8266	12.4	2.98
			-8267.05	13.9	40.84
			-8267.9	15.1	18.21
			-8268	17.4	60.5
			-8268.9	12.9	2.74
			-8269	15.8	8.1
			-8270	9.6	0
			-8271.8	7.7	0.37
			-9653	7.1	1.2
Big Lake-3 (SADME)	139	Epsilon	-8259.5	13.2	3.58
			-8261.5	8.4	0.09
			-8262	8.8	0.05
			-8263	10.7	0.57
			-8264	9	0.25
			-8264.5	10	0.24
			-8265.5	8.6	0.07
			-8266.5	8.3	0.09
			-8269	7.1	0.03
			-8272	16	52.67
			-8273	13.1	10.09
			-8274	12.9	3.56
			-8275	14.4	46.29
			-8276	14.5	12.71
			-8280	8.2	0.07
Big Lake-4 (Santon)	128	Tirrawarra	-9790	6	0
			-9791	6	0
			-9792	4.9	0
			-9794	5.3	0
			-9795	5.6	0
			-9796	6.3	0
			-9797	5.2	0
			-9798	0.8	0
			-9799	6.1	0
			-9808	2.5	0
			-9809	5.4	0
			-9810	5.7	0
			-9811	4.3	0
			-9812	5.3	0
			-9813	6.1	0
Big Lake-5 (Santon)	138	Tier.Congl.	-9395	11.1	1.8
			-9396	6.4	0.82
			-9398	8	0.96

			-9399	5.2	0.83
			-9403	5.1	0.1
			-9407	9.7	1.2
			-9408	8.9	1.4
			-9409	9	1.1
			-9420	10.5	0.4
			-9421	10	0.64
			-9422	7.9	0.7
			-9424	7.3	0.47
			-9425	6.1	0.11
			-9426	7.1	0.3
Big Lake-5 (NCPOG)	136	Tirr.Congl.	-9401	2.4	2.03
			-9407	9.5	2.6
			-9411	7.3	2.78
			-9417	1.2	0.039
			-9417	3.7	0.102
			-9427	4.1	0.296
			-9429	2.4	0.21
-9430	3.1	0.826			
Big Lake-5 (Santon)	136	Tirrawarra	-9555	7.3	0.69
			-9560	9.4	0.34
			-9565	7.2	0.27
			-9570	7.4	0.57
			-9574	9.8	0.23
-9577	4.4	0.23			
Big Lake-27 (Santon)	142.72	Pachawarra	-8866.333	6.4	0.44
			-8867.25	6	0.22
			-8868.333	6.2	0.23
			-8869	5.3	0.22
			-8870.167	8.1	0.22
			-8871.167	5.7	0.22
			-8873.792	5.6	0.64
			-8874.75	5.3	0.46
			-8875.75	5.6	0.44
			-8877.167	7.2	0.47
			-8878	5.3	0.22
			-8880.333	3.4	0.24
			-8881.25	5.4	0.23
			-8882.083	5.4	0.23
			-8883.667	5.5	0.23
			-8884.083	5.3	0.63
			-8884.833	6.8	0.23
-8885.625	4.8	2.1			
-8886.375	4	0.23			
-9129	1.1	0.39			
-9130	4.9	0.5			
-9134	6.4	0.36			
-9136	5	0.23			
-9137	2.2	0.23			
-9138	2.9	0.22			
-9141	5.2	0.23			
-9143	2.4	0.22			

			-9144	2.7	0.22
			-9146	5.8	0.23
			-9148	5.9	0.75
			-9150	4.2	0.22
			-9150	1	0.22
			-9153.5	7.1	0.22
			-9156	5.9	0.22
			-9157	4.6	0.22
			-9158	6.6	0.22
			-9159	5.4	0.22
			-9160	4	2.6
			-9161	2.2	0.96
			-9162	2	0.22
Big Lake-27 (SADMI)	142.72	Pachawarra	-9161	3.6	0.017
			-9163	5.8	0.072
			-9166	2.9	0.052
			-9167	3.5	0.13
Big Lake-27 (SADMI)	142.72	Turrwarra	-9482	3.5	0.041
			-9483	4.8	0.025
			-9487	4.8	0.017
			-9488	4.5	0.033
			-9489	6.1	0.53
			-9490.5	4.7	0.38
			-9491.5	4.5	0.36
			-9494	5.1	0.25
			-9495	4.7	0.35
			-9498	6.5	0.63
			-9499	7.7	0.137
			-9501.5	6	0.083
			-9502	5	0.027
			-9505.5	7.4	1.3
			-9507	5.9	0.06
			-9508	6.5	0.028
Big Lake-27 (Santos)	142.72	Turrwarra	-9481	1.7	0.21
			-9481.667	3.1	0.36
			-9482.667	5.5	0.19
			-9483.667	7.1	0.23
			-9487.667	4.4	0.23
			-9490.5	4.9	0.68
			-9492.833	5.8	0.23
			-9494.083	3.2	0.22
			-9496.333	5.2	0.23
			-9497.417	7.5	0.22
			-9498.5	10.3	0.23
			-9499.5	5.2	0.22
			-9501.167	9.6	0.18
			-9502.25	5.7	0.23
			-9503.25	6.2	0.23
			-9504.583	4.8	0.23
			-9507.083	5.8	0.22
			-9507.833	6.4	0.23
			-9509.5	7.1	0.22

			-9510.5	7.5	0.38
			-9511.667	5.2	0.51
Big Lake-29 (Santon)	126.74	Pachawarra	-9302	2.7	0.641
			-9303	4.2	0.044
			-9304	5.2	0.036
			-9306	4	0.14
			-9307	2.4	0.02
			-9310	2.6	0.034
			-9312	4.3	0.062
			-9315	1.6	2
			-9660.292	6.1	2.6
			-9661.25	5.5	16
			-9664.25	8.3	5.3
			-9665	4.8	0.4
			-9667.583	10.7	16
Big Lake-29 (SADME)	126.74	Pachawarra	-9318	0.4	0.054
			-9322	0.5	0.053
			-9666	3.5	4.4
			-9670	5.2	3.5
			-9671	6.4	3.5
			-9672	7.7	6.8
Big Lake-31 (SADME)	151.76	Titrawarra	-9962	8.8	0.565
			-9965.5	8.9	0.433
			-9971.5	7.5	0.198
			-9980	8.7	0.499
			-9981	7.3	0.184
			-9984	9.2	0.675
-9987.5	9.9	0.638			
Big Lake-31 (Santon)	151.76	Titrawarra	-9961.9	8.8	0.49
			-9963.7	7.3	2.7
			-9965.75	8.1	0.32
			-9966.875	8.5	0.71
			-9969.917	8.1	1.1
			-9972.16	6.9	0.75
			-9974.5	5.8	0.3
			-9975.75	3.2	0.029
			-9978.25	8.5	0.6
			-9980.2	8.7	2
			-9982.2	7.4	0.25
			-9983.7	8.9	0.58
			-9985.9	7.4	0.31
-9987.66	9.4	1.6			
-9990.4	9.3	0.9			
Big Lake-31 (Santon)	151.76	Titrawarra	-10190	2.9	0.63
			-10194	8.1	0.51
			-10194	8.8	0.76
			-10195	1.4	0.8
			-10198	1.6	0.014
			-10204	3	4
-10206	3.5	17			

			-10207	0.6	0.059
			-10209	1.1	0.55
			-10211	7.5	0.91
			-10212	4.3	0.082
			-10214	7.6	0.64
			-10216	9	1.7
			-10217	8	1.2
			-10218	9	1.4
			-10220	6.4	1.5
			-10221	5.7	0.22
Big Lake-31	151.76	Terrawarra	-10202	2.6	0.014
(SADME)			-10205	2.1	0.23
			-10216	8.2	0.396
Big Lake-32	132.28	Terrawarra	-9362.5	14.7	8
(SADME)			-9364	12.1	2.13
			-9369.5	11.9	2.74
			-9376	11.7	2.78
			-9385	14.5	6.3
			-9387	14	3.87
			-9394	11.5	1.1
			-9399	12.3	3.32
			-9410	15.4	21.9
			-9411.5	11	1.16
Big Lake-32	133.28	Terrawarra	-9356	6.2	132
(Santon)			-9357	9	1.5
			-9359	7.5	0.75
			-9360	6.5	0.48
			-9361	1.7	0.08
			-9363	9.3	0.71
			-9365	13.1	12
			-9366	5.5	7.8
			-9368	12	11
			-9369	7.2	0.31
			-9370	5.5	0.31
			-9372	13.6	7.6
			-9373	12.9	4.9
			-9374	7.1	0.2
			-9375	11.4	2.4
			-9377	13.6	7.7
			-9377	11.4	5
			-9379	5.5	3.1
			-9380	11.8	6
			-9381	9.8	1.6
			-9382	11.3	3.1
			-9387	13.1	6.3
			-9389	11.3	8.3
			-9390	12.5	5.1
			-9391	4.2	4.8
			-9392	13.7	6.9
			-9395	13.1	4.4
			-9397	10	3.4
			-9399	11.2	3.9

			-9401	10.7	2.4
			-9402	11.5	3.9
			-9404	9	1.6
			-9406	9.5	1.3
			-9407	12.2	4.9
			-9409	11.2	2.3
			-9410	13.8	12
			-9411	4.3	0.39
			-9413	14.2	9.2
			-9415	5.9	1.3
<b>Big Lake-33</b>	<b>140.61</b>	<b>Tirrawarra</b>	-10075	6	0.1
<b>(Santox)</b>			-10076	5.5	0.05
			-10078	2.4	0.02
			-10082	9.3	0.13
			-10085	6.8	0.05
			-10086	7.1	0.18
			-10088	8.4	0.08
			-10088	7.7	0.11
			-10090	8.2	0.14
			-10091	5.9	0.03
			-10093	2.9	0.02
			-10098	1.6	0.01
			-10100	3.2	0.01
			-10101	3.8	0.05
<b>Big Lake-34</b>	<b>139.78</b>	<b>Pachawarra</b>	-9339	0.9	0.013
<b>(NCPGG)</b>			-9326	0.7	0.013
<b>Big Lake-34</b>	<b>139.78</b>	<b>Tirrawarra</b>	-9806	5.4	78
<b>(Santox)</b>			-9808	6.5	999
			-9811	5.1	0.07
			-9812	6.8	1.2
			-9814	8.7	2.1
			-9816	8.1	999
			-9817	5.5	1.9
			-9818	6.8	8.1
			-9820	7.6	1.1
			-9822	9.7	2.7
			-9825	5.7	0.45
			-9827	4.5	0.47
			-9829	7.8	0.99
			-9830	8.7	1.2
<b>Big Lake-35</b>	<b>162.08</b>	<b>Pachawarra</b>	-9215	7.5	0.201
<b>(SADME)</b>			-9216	5.9	0.158
			-9217	5.7	0.025
			-9218	5.9	0.085
			-9220	7.6	0.106
			-9221	7.5	0.077
			-9221.5	7.3	0.92
			-9224	9.1	0.23
			-9225.5	7.8	0.177
			-9226.5	7.9	0.096

Big Lake-35 (Santos)	162.08	Pachawarra	-9204	5.9	0.089
			-9205	7.1	0.097
			-9207	7	0.6
			-9209	6.5	0.53
			-9211	5.2	0.033
			-9213	7.1	0.64
			-9214	7.3	1.1
			-9216	6.7	0.068
			-9220	7.9	0.17
			-9223	8.3	0.21
			-9224	6.9	0.069
			-9225	6.3	0.796
			-9228	7	0.31
-9229	9.1	0.47			
Big Lake-35 (Santos)	162.08	Tirrawarra	-9601	10.4	42
			-9603	7.8	4.2
			-9604	14.9	38
			-9606	10.6	32
			-9607	10.6	2.3
			-9608	13.8	5.8
			-9612	9.1	1.2
			-9613	6.2	90
			-9615	11.5	30
			-9616	3	1.8
			-9618	12.7	5.2
			-9620	10.9	1.2
			-9621	11.9	1.7
-9623	12	2.5			
-9625	11.7	2.9			
Big Lake-45 (Santos)	142.36	Toolachee	-7806	3.7	2
			-7806	8.9	0.14
			-7807	10.1	0.33
			-7808	10.5	0.45
			-7809	10.4	1.5
			-7810	10	0.49
			-7811	11.1	1.7
			-7812	10.8	1.3
			-7813	10.4	0.96
			-7813	15.4	147
			-7814	8.8	1.06
			-7824	7.9	0.08
			-7825	8	0.06
			-7826	6.9	0.07
			-7827	9.8	0.27
			-7828	9.4	0.41
-7829	8.4	0.17			
-7829	9.6	0.53			
-7830	8.8	82			
-7833	7	0.04			
-7835	0.1	0			
-7837	8.2	0.1			
-7838	7.7	0.12			
-7839	8.8	0.15			

			-7840	8.4	0.07
			-7841	0.2	0.01
			-7841	9.1	0.13
			-7842	9.1	0.18
			-7843	6.3	0.07
			-7844	0.1	0.01
			-7845	10.8	1.1
			-7846	9.8	0.59
			-7848	10.6	1.2
			-7849	10.4	1.2
			-7850	11	1.8
			-7851	9.6	0.75
			-7852	8	0.23
			-7853	13.2	25
			-7854	12.6	10
			-7855	12.8	18
			-7856	12.6	13
			-7857	13.1	32
			-7858	13.2	44
			-7859	14.1	213
Bonwood-2 (Saxon)	109.69	Pachawarra	-5687	10	0.1
Brulga-1 (Saxon)	128	Pachawarra	-8937	8.71	0
			-8938	12	1.5
			-8939	10.5	0.5
			-8940	13.1	2.6
			-8941	14.2	7.2
			-8942	13.5	5.6
			-9300	12.6	1.9
			-9301	13	2.8
			-9302	12.1	1.5
			-9303	14.8	5.2
			-9304	14.9	9.1
			-9305	16.3	8.3
			-9306	12.8	1.5
			-9307	15.4	10.3
			-9308	16.1	16.3
			-9309	17.7	37.3
			-9310	18.6	49.1
			-9311	13.8	6.6
			-9312	14.7	10.6
			-9313	14.6	5
			-9314	15.6	7.5
			-9315	13.1	1.6
			-9316	13.8	1.9
			-9317	12.6	0.5
			-9318	9.82	0
			-9319	10.4	0.5
			-9320	12.9	1.5
			-9321	11.9	1.6
			-9322	12.7	1.7
			-9323	13.5	1.7
			-9324	16.6	22.5



			-9325	16.5	27.8
			-9326	9.35	0
			-9343	9.86	0
			-9344	11.3	0.5
			-9349	11.6	0.5
			-9350	9.67	0
			-9353	7.46	0
			-9328	3.91	0
			-9329	5.71	0
			-9530	5.46	0
			-9531	3.95	0
			-9532	6.58	0
			-9533	6.1	0
			-9534	8.4	0
			-9535	8.65	0
			-9536	8.87	0
			-9537	7.95	0
			-9538	7.31	0
			-9539	6.25	0
			-9540	4.16	0
			-9541	0	0
			-9542	0.87	0
			-9543	11	2.8
			-9544	9.17	0
			-9545	10.8	0.5
			-9546	8.4	0
			-9547	10	0.5
			-9548	10.3	0.5
			-9549	9.06	0
			-9552	6.58	0
			-9553	8.65	0
			-9554	10.1	0.5
			-9555	10.5	0.5
			-9556	5.1	0
			-9576	0.97	0
			-9577	9.24	0
			-9578	7.44	0
			-9579	8.63	0
			-9580	11.7	0.5
			-9581	12.9	2.3
			-9582	12.3	1.6
			-9583	11.9	0.5
			-9584	11.4	3.1
			-9585	10.8	0.5
			-9586	13	2
			-9587	10.7	0.5
			-9588	12.2	0.5
			-9605	1.6	0
			-9606	2.67	0
			-9607	6.51	0
			-9608	7.9	0
			-9609	9.87	0
			-9610	11.6	0.5
			-9611	9.34	0
Bicolga-1 (Sanon)	128	Tutawarra			

-9612	11.5	0.5
-9613	10.6	0.5
-9614	11.4	0.5
-9615	9.18	0
-9616	8.84	0
-9617	10.5	0.5
-9618	8.84	0
-9619	8.84	0
-9620	9.6	4.5
-9621	12.7	5.8
-9622	6.1	0
-9626	12.9	1.7
-9628	11.9	6.8
-9629	11.4	0.5
-9643	8.73	0
-9644	11.3	0.5
-9645	12.3	0.5
-9646	15.2	54.6
-9647	14	2.4
-9648	10.1	2.1
-9649	12.6	1.6
-9650	11.9	1.5
-9651	12	1.9
-9652	10.9	0.5
-9653	13.1	1.4
-9654	10.9	0.5
-9655	11.1	0.5
-9656	13.9	5.9
-9657	14.3	2.8
-9658	7.4	0
-9659	8.13	0
-9660	10.6	0.5
-9661	8.11	1.5
-9662	5.21	0
-9663	7.71	0
-9664	8.76	0
-9665	5.23	0
-9666	9.11	0
-9667	8.77	0
-9668	11.3	0.5
-9669	5.39	0
-9670	8.76	0
-5028	12.7	0.08
-5029	13.8	15
-5030	15.8	0.69
-5031	12.8	0.84
-5032	17.4	0.58
-5033	16.5	0.19
-5034	17.5	0.7
-5036	15.1	0.07
-5037	16.7	0.28
-5039	16.7	0.12
-5039	8.1	0.11
-5042	9.9	0.03

Burke-I  
(Santos)

286

Marta

			-5044	7.8	0.06
			-5045	1.3	0.09
			-5048	9.9	13
			-5050	8.6	0.27
			-5051	9.6	0.09
			-5055	12.5	0.09
			-5057	7.1	0.07
			-5058	6.2	0.03
			-5060	10.1	0.12
			-5062	9.4	0.08
			-5064	11.6	0.06
			-5066	9.7	0.02
			-5069	9.1	0
			-5070	12.7	5.2
			-5071	10.8	1.7
			-5073	10.1	0.34
			-5077	8.7	0.9
			-5078	11.3	0.81
			-5080	11.4	1.3
			-5081	9.1	0.07
			-5084	11	0.26
			-5087	8	0.04
			-5088	13.2	0.16
			-7911	5.47	0
			-7912	16.1	0.5
			-7914	9.75	0
			-8000	10.3	0.5
			-8001	12.4	0.5
			-8002	12.1	1.3
			-8003	12	1.5
			-8004	14.9	5.7
			-8005	15.3	34.1
			-8006	14.2	4.1
			-8007	15.3	36.4
			-8008	12.5	1.6
			-8009	8.95	0
			-8010	9.75	0
			-8011	11.7	0.5
			-8012	12.7	0.5
			-8013	9.4	0
			-8014	12.4	1.5
			-8015	13.8	5
			-8016	11.2	1.4
			-8017	10.5	1.4
			-8018	12	2
			-8019	17.2	344
			-8020	9.76	0
			-8021	17.8	273
			-8022	14.5	39.5
			-8024	8.46	0
			-8025	11.3	0.5
			-8026	11.7	1.4
			-8027	11.9	1.3
			-8028	12.8	3.1
Burke-1 (Santos)	286	Pachawarra			

			-8029	11.3	0.5
			-8031	3.34	0
Burke-3 (Santon)	299	Pachawarra	-8016	2.9	1
			-8017	8.7	2.4
			-8018	8	3.1
			-8022	7.4	2.5
			-8023	7	5
			-8031	2.6	1
			-8035	4.9	1
			-8036	6.2	1
			-8038	4.5	1
			-8039	5.9	1
			-8040	5.2	1
			-8041	7.7	1
			-8042	8.8	1
			-8043	8.4	1
			-8044	12.4	1
			-8045	8.4	1
			-8046	9.8	1
			-8047	8.8	1
			-8048	6.9	1
			-8049	7.6	1
			-8050	11.7	47
Burke-4 (Santon)	287	Pachawarra	-8066	9.4	1.6
			-8067	8.7	4.5
			-8068	10	5.9
			-8069	8.1	0.3
			-8070	7.5	0.6
			-8071	8.5	0.7
			-8072	10.8	2.1
			-8073	10.3	3.8
			-8074	13.2	250
			-8075	13.2	81
			-8076	12.2	91
			-8077	6	0.2
			-8079	9.9	0.6
			-8080	10.1	0.8
			-8081	10.9	2.3
			-8082	9.7	1.4
			-8083	10	2.3
			-8084	10.7	4.5
			-8085	9.4	3.1
			-8086	10.2	2.7
			-8087	8.2	1.2
			-8088	11.2	6.9
			-8089	10.2	7.3
			-8090	3.1	0.1
			-8091	5.5	0.2
			-8099	5.9	0.2
			-8100	6.6	0.3
			-8101	7.5	0.3
			-8102	7.9	0.2
			-8103	7.6	0.3

			-8105	8.5	0.5
			-8106	8.5	0.4
			-8108	6.5	0.4
			-8109	7.1	2.2
Burley-1 (Santon)	173	Toolachee	-8791	7.4	0.001
			-8793	9.2	1.2
			-8795	7.8	0.5
			-8863	11.3	2.1
			-8866	11.8	2.3
			-8870	10.4	1.6
			-8873	14.5	1.9
Burley-1 (NCPGG)	173	Toolachee	-8799	0.9	0.023
			-8807	1.4	0.027
			-8851	0.2	0.018
			-8867	5.6	0.139
			-8875	3.8	0.057
Burley-1 (NCPGG)	173	Merrimelia	-11952	1	0.034
			-11960	0.4	0.055
			-11969	0.9	0.017
			-11972	0.9	0.022
			-11974	2.95	0
Burley-2 (Santon)	179.75	Toolachee	-9196	3.7	0.042
			-9197	2.2	0.018
			-9198	2.8	0.073
			-9198	3.9	0.037
			-9218	0.9	0.009
Burley-2 (NCPGG)	179.75	Toolachee	-9224	0.2	0.032
Burley-2 (Santon)	179.75	Epsilon	-10200	3.9	0.98
			-10201	4.7	0.093
			-10202	3.4	0.15
			-10204	3.9	48
			-10205	3.5	0.091
			-10206	2.2	0.099
			-10206	1.4	0.011
			-10207	1.8	0.49
			-10208	2.9	4.7
			-10209	2.2	0.017
			-10211	2.1	0.13
Burley-2 (Santon)	179.75	Pachawarra	-11375	3	0.072
			-11378	3.9	0.28
			-11379	1.1	0.024
			-11381	3.8	0.037
			-11383	4.1	0.33
			-11384	4.3	0.034
			-11386	1.6	0.046
			-11388	2.7	0.022
			-11392	0.3	0.013

			-11393	0.7	3.5
			-11394	0.3	0.019
			-11401	0.2	0.022
			-11402	0.04	0.017
Coochilara-1 (Santos)	259.9	Epsilon	-7553	6.8	0.1
			-7554	6.9	0.1
			-7555	7.3	0.1
			-7557	5.1	0.1
			-7558	3.7	0.1
			-7981	5.9	0.1
			-7982	8.6	54
			-7986	5.8	0.1
			-7995	6.6	0.1
Coochilara-1 (Santos)	259.9	Pachawarra	-8000	4.7	0.1
			-8007	4.6	0.1
Coxmatie-1 (Santos)	155	Toolachee	-9354	1.4	0.4
			-9355	6.5	0.2
			-9356	8.7	0.2
			-9357	72	0.3
			-9358	8.9	0.2
			-9359	5.2	0.1
			-9360	10.2	0.3
			-9361	7.1	0.1
			-9362	3.8	0.2
			-9363	9.0	0.2
			-9364	3.4	0.1
			-9365	8.9	0.1
			-9366	11.7	0.3
			-9367	10.9	0.3
			-9368	10.9	0.6
			-9369	10.9	0.9
			-9370	12.7	0.7
			-9371	10.6	0.6
			-9372	3.7	0.2
			-9373	10.7	0.3
			-9374	9.6	0.6
			-9375	8.4	0.2
			-9376	5.8	0.4
			-9377	8.3	0.2
			-9378	2.5	0.1
Corkwood-1 (Santos)	314.97	Marta	-4500	15.3	7.2
			-4501	15.2	23
			-4504	17.6	27
			-4505	15.1	23
			-4506	14.3	11
			-4507	15.7	2.5
			-4509	13.5	2.4
			-4510	12.4	4.2
			-4511	12	7.3
			-4512	12.2	6

Corkwood 1 (Samos)	314.97	Burkhead	-5495	9.7	0.12
			-5496	10.9	0.11
			-5497	8.6	0.13
			-5498	14.9	2.6
			-5499	16.6	4.4
			-5500	16.2	4.6
			-5501	15.4	6.7
			-5502	10.2	1.3
			-5504	18.1	2.7
			-5505	17.2	5.6
			-5507	16.2	5.1
			-5508	15.9	2.5
			-5509	15.4	1.8
			-5510	17.6	17
			-5521	12.1	1.2
			-5522	13.5	0.79
			-5523	13.9	0.5
			-5534	7.9	17
-5535	15.1	69			
-5537	15.6	90			
-5538	16.7	91			
Corkwood-1 (SADME)	314.97	Burkhead	-5495	12.2	0.243
			-5497	11.5	0.198
			-5498	11.5	0.223
			-5499	16.6	3.6
			-5500	17.1	5.2
			-5501	15.9	7.5
			-5503	20.3	26.3
			-5505	17.8	11.5
			-5507	16	4.1
			-5507.5	17.2	4.7
			-5508	16.6	4.1
			-5509	17.3	4.7
			-5510	18.3	145
			-5511	17.4	8.5
			-5512	13.9	0.036
			-5513	2.4	0.024
			-5514	3.9	1.7
			-5516	8.5	0.231
			-5517	9.3	0.215
			-5519	3.7	0.037
			-5521	12.4	0.658
			-5522	13.6	0.557
			-5523	12.7	0.471
			-5524	13.7	0.411
			-5525	8.1	0.1
			-5527	6	0.079
			-5528	4.6	0.043
			-5528	9.7	0.655
-5529	6.1	0.108			
-5530	5.1	0.018			
-5531	8.1	0.021			
-5532	7.3	0.052			
-5533	8.4	0.105			

			-5534	11.3	0.595
			-5535	7.7	20.2
Cuttapirrie-1 (Santon)	125.05	Basal Juv.	-7867	8.9	18.3
			-7905	7.8	13.8
			-7951	6.7	32
			-7963	9.3	25.9
			-7967	9.5	32.8
			-8025	8.5	25
			-8029	11	32.4
Cuttapirrie-1 (Santon)	125.05	Nappamerri	-8594	10.3	27.8
Cuttapirrie-1 (Santon)	125.05	Pachrawarra	-9392	10.3	29.7
Daralingie-1 (Santon)	105	Toxolachet	-6380	17.4	33
			-6404	16.5	20
			-6435	19.8	70
			-6438	15.4	27
Daralingie-1 (NCPGG)	105	Toxolachet	-6369	11.1	7.66
			-6376	15.7	13.5
			-6381	6.4	0.527
			-6389	13.1	212
			-6394	19.5	666
			-6400	14.9	11.5
			-6410	18.5	66.1
			-6411	18.6	74.1
			-6416	12.8	17.3
			-6424	12.4	8.1
			-6432	16.2	76.1
			-6437	20.3	134
			-6465	2.8	0.019
Daralingie-1 (Santon)	105	Merrimelia	-7170	6.3	0.1
			-7171	9.9	0.8
			-7172	9.5	0.3
			-7173	11.2	0.1
			-7174	11.7	0.7
			-7177	15.3	1.6
			-7178	15.2	2.4
			-7179	13.3	0.1
			-7180	12.8	10
			-7181	12.2	0.8
			-7182	7.4	0.1
			-7183	12.7	0.7
			-7184	10.7	0.5
			-7185	7.7	1.4
			-7186	14.3	0.5
			-7187	9.6	0.4
			-7188	12.3	0.1
			-7189	9.8	0.1
			-7190	11.8	0.8



			-7191	10.3	0.3
			-7192	8.4	0.1
			-7193	8.6	0.1
			-7194	8.5	0.3
			-7195	8.6	0.4
			-7196	1.9	0.1
Daralingie 2	91	Pochawarra	-7240	5.2	0.1
(Samson)			-7241	12.4	0.1
			-7242	13.4	0.1
			-7243	12.9	0.1
			-7244	9.7	0.1
			-7245	10.3	0.1
			-7246	11.8	0.1
			-7247	13.3	0.2
			-7248	9.7	0.1
			-7253	8.6	0.1
			-7254	10.1	0.1
			-7255	9.5	0.1
			-7301	6.9	0.1
			-7302	9.6	0.2
			-7303	9.2	0.2
			-7304	9	0.2
			-7311	9.1	0.1
			-7315	10.6	0.1
			-7316	7.3	0.1
			-7321	7.8	0.1
			-7329	8.1	0.1
			-7330	12.5	0.1
			-7336	8.8	0.1
			-7337	9.3	0.1
			-7338	9.2	0.1
			-7339	7.6	0.1
			-7340	7.6	0.1
			-7354	14.6	0.1
			-7355	13.8	0.1
			-7356	17	0.1
			-7357	14.6	0.1
			-7364	8.8	0.1
			-7365	11.8	1.3
			-7366	14.8	0.4
			-7367	8.8	0.1
			-7368	12.9	0.3
			-7369	12.8	0.5
			-7370	12.8	0.1
			-7371	15.3	0.3
			-7372	12	0.1
			-7373	14.3	0.2
			-7374	16.6	1.1
			-7375	15.3	1.6
			-7376	12.5	0.8
			-7378	16.2	1.6
			-7379	15.4	21
			-7379	16.9	26
			-7380	14.7	57

-7381	14.7	0.8
-7382	17.8	7.7
-7383	10.5	0.1
-7384	13.7	0.9
-7385	14.8	2.3
-7386	11.5	1.3
-7387	13.3	1.9
-7388	10.9	4.3
-7390	14.6	3.4
-7391	14.8	1.6
-7392	15.7	2.3
-7404	13	0.1
-7405	13	0.1
-7406	17	0.3
-7407	15.5	0.5
-7408	13.7	0.9
-7409	12.4	0.1
-7410	14.8	1
-7411	13.7	0.4
-7412	14.3	0.3
-7413	17.1	0.9
-7414	17.9	0.2
-7415	14.9	0.3
-7416	17.6	1.1
-7417	17.9	1.4
-7418	13.7	0.1
-7419	19.4	1.4
-7420	19.3	3.4
-7421	17.9	1.3
-7422	16.8	3.7
-7423	17	1
-7424	17.4	0.5
-7425	16.2	2.2
-7426	15.4	0.7
-7427	16.8	0.7
-7428	15.4	0.7
-7429	16.8	0.3
-7430	16.5	0.1
-7431	14.4	1
-7432	13.8	0.1
-7433	14.5	0.1
-7434	15.1	1.6
-7435	15.8	1.9
-7442	14.6	0.3
-7443	15.4	0.4
-7444	14.9	1
-7445	13.3	0.3
-7446	14.3	0.9
-7447	12.9	0.2
-7448	13.7	0.9
-7450	15	1.2
-7451	16.3	1.6
-7452	16.6	1.2
-7457	9.7	0.3
-7472	11.1	0.1

			-7475	11.5	0.1
			-7476	11.1	0.1
			-7478	12	0.1
			-7532	11.3	0.2
Daralingie-3 (Santon)	92	Pachawarra	-7232	5.4	0
			-7237	6.3	0
			-7249	8.4	0
			-7321	10.9	0.5
			-7322	11.2	0.5
			-7323	8.9	0
			-7324	8.7	0
			-7339	8.2	0
			-7343	8.8	0
			-7344	7.8	0
			-7345	8.6	0
			-7351	9.3	0
			-7352	4.7	0
Daralingie-4 (Santon)	109.41	Pachawarra	-7383	10.6	0.27
			-7384	9.1	0.15
			-7385	9.2	0.14
			-7385	10.5	0.26
			-7387	4.3	0.22
			-7288	12.3	0.66
			-7389	12	0.61
			-7390	13.6	1.4
			-7391	12.7	1
Daralingie-7 (SADME)	110.1	Pachawarra	-7264	10.5	0.311
			-7265	10.9	0.35
			-7266	9.7	0.188
			-7267.5	12.9	0.471
			-7268.5	12.4	0.379
			-7269.5	10.9	0.24
			-7270.5	11.4	0.778
			-7279	17.5	50
			-7289	14.1	3.5
			-7289.5	17	80
			-7293	17.1	27.8
			-7298.5	12.2	1.5
-7302	13.8	14.4			
-7304.5	12.3	3.1			
Daralingie-7 (Santon)	110.1	Pachawarra	-7257	11.8	0.33
			-7258	11.7	0.28
			-7259	10.9	0.15
			-7260	10.9	0.14
			-7261	12	0.28
			-7262	12.1	0.29
			-7263	10.5	0.15
			-7264	13.1	4.8
			-7266	12.6	3.2
			-7267	0.2	0.22
			-7268	5.2	0.05



-7263	10.2	0.11
-7264	0.9	0.02
-7265	9.6	0.12
-7266	11.4	0.21
-7267	13.3	0.43
-7268	12.9	0.9
-7269	14.2	0.5
-7270	12.1	0.35
-7271	13	0.15
-7272	9.8	0.23
-7273	10.1	1.8
-7274	16	17
-7274	16.9	43
-7276	9.9	90
-7277	17.2	23
-7278	13.3	5.5
-7279	17.1	52
-7280	17.8	319
-7282	14.5	6.9
-7282	15.2	49
-7283	20.2	361
-7284	17.9	91
-7285	19.9	442
-7286	22	425
-7287	22.5	452
-7288	19.9	617
-7288	1	0.01
-7289	9.8	0.07
-7290	13.1	0.32
-7291	13.8	0.48
-7292	13.5	0.47
-7294	13.7	0.31
-7295	11.5	0.31
-7296	13.4	0.68
-7297	13.9	0.49
-7298	12.6	0.63
-7299	14.5	1.3
-7299	12.7	0.4
-7300	15.5	6.2
-7301	9	33
-7355	2	0.39
-7357	2.5	0.01
-7359	1	0.01
-7360	4.4	0.1
-7362	5.2	0.04
-7364	8.1	0.04
-7366	9.5	0.09
-7368	9.9	0.79
-7369	6.2	0.05
-7370	11.1	0.19
-7371	10.1	0.2
-7372	11.9	6.6
-7373	16.2	29
-7374	12.4	0.92

Daralingie-15 111.34 Patchawarra  
(Santon)

			-7376	12.3	3
			-7377	15.2	43
			-7378	16.4	50
			-7379	11	0.42
			-7380	17.1	18
			-7380	14	35
			-7382	14.1	1.2
			-7382	11.1	0.59
			-7395	3.4	0.03
			-7400	3	0.03
			-7401	10.2	0.08
			-7403	11.4	0.15
			-7403	10.1	0.08
			-7404	10.8	0.12
			-7405	6.2	0.05
			-7407	10.6	0.13
			-7409	8.4	0.11
			-7426	11.5	0.19
Daralingie-19	88.94	Pachawarra	-7427	6.1	0.02
(Santos)			-7428	10.5	0.29
			-7429	14.6	8
			-7430	14.6	6.1
			-7432	11.3	1.5
			-7433	13.6	4.6
			-7434	11.1	6.2
			-7445	6.9	0.01
			-7452	7.7	0.03
			-7453	7.6	0.02
			-7456	8.3	0.03
			-7457	8.5	0.03
			-7460	8.3	0.02
			-7462	8.6	0.03
			-7467	10.1	0.48
Daralingie-22	126.79	Pachawarra	-7469	12.6	0.3
(Santos)			-7451	9.3	0.06
			-7452	12.3	0.24
			-7454	10.7	0.34
			-7455	9.3	1.8
			-7456	11.8	1.2
			-7458	11.6	1.5
			-7459	11.7	0.34
			-7461	12.2	1.2
			-7462	11.2	2.4
			-7463	10.1	0.59
			-7464	15.6	46
			-7466	12.2	4.6
			-7467	14.2	159
			-7468	1.9	144
			-7470	16.5	123
			-7471	15	64
			-7472	17.3	153
			-7474	16.4	78
			-7475	16.5	77

			-7476	11.6	0.96
			-7478	11.9	10.3
			-7479	13.5	4
			-7480	14.1	18
			-7482	11.3	0.68
			-7483	10.3	0.61
			-7484	11.4	1.6
			-7484	13.7	3.3
			-7485	13.4	4.2
Della-1	204.8	Hutton	-5627	15	100
(Santon)			-5631	14	415
			-5636	14	750
			-5639	12	420
			-5642	9	3000
			-5645	10	1200
			-5647.5	25	5200
			-5650	12	1250
Della-1	204.8	Toxolachet	-6429	9	0
(Santon)			-6430	9	0.14
			-6442	9	0.1
			-6443	9	0.17
			-6452	10.1	0.6
			-6453	9	0.1
			-6459	10.7	0.31
			-6461	8	0.4
			-6462	10.7	0.52
			-6464	10.1	1
			-6549	19	115
			-6550	20.5	380
			-6550.5	12.4	8
			-6551	20.4	530
			-6551.6	15.6	850
			-6552	22	509
			-6553	15	16
			-6566	9.3	0.25
			-6568	9	0.9
			-6570	10	7.2
			-6572	9	1.6
			-6574	15	7.2
			-6576	15	25
			-6577	17	1.5
			-6579	6	25
			-6581	15.2	13
			-6617.75	9.6	0.9
			-6619	9.5	0.45
			-6620	11	3
			-6621	17	1.4
			-6623	12	4
			-6624	9.2	16
			-6626	14	26
			-6626.8	14	48
Della-1	204.8	Puchawarra	-6732.3	12	0.92

(Santon)			-6733.7	9	3.4
			-6736.8	13	70
			-6738.3	13	62
			-6740.8	13	11
			-6741.8	12	6
			-6742.8	14	3.9
			-6744.8	12	18
			-6747.8	12	0.9
			-6749.8	14	3.4
			-6650.7	9	0.001
			-6752.6	14	32
			-6755.6	14	102
			-6757.4	14	150
			-6760	12	24
			-6762	6	0.2
Della-2 (Santon)	148.6	Nappameri	-6446	11.6	1.7
			-6454	10.6	2.2
			-6458	7.7	2.2
			-6465	10.4	2.2
			-6470	11.2	2.6
			-6472	11.2	3.5
Della-2 (Santon)	148.6	Tcolachee	-6532	11.1	0.1
			-6532.8	11.2	2.7
			-6534	11.6	3.1
			-6537	8.9	3.1
			-6538	12	3.1
			-6542	17.1	3.5
			-6543	9.5	3.5
			-6545	13.5	4
			-6546	15.5	2.5
			-6546.6	13.6	4.7
			-6547	15.5	11
			-6548	17.2	8.3
			-6549	13.1	4.2
			-6551	14	113
			-6551	13.1	125
			-6552	12.5	4
			-6553	16.2	18
			-6554	13.6	5.5
			-6555	10.6	2.1
			-6555.6	11.8	0.53
			-6556	9.2	11
			-6558	9.3	3.35
			-6558	10.1	2.6
			-6559	11.2	9
			-6560	13.2	11
			-6561	10.9	5.5
			-6561	16.3	55
			-6562	12.1	4.7
			-6564	12.3	25
			-6567	18.7	49
			-6568	18.5	210
			-6568	16.8	256



-6569	10.4	41
-6571	14.8	5.1
-6572	11.2	26
-6573	14.2	3.45
-6579	7.2	0
-6615	7.6	76
-6615.8	8.6	2.6
-6616	6.2	0.1
-6617	11.4	2.65
-6619	5.5	3.3
-6620	8.8	2.2
-6621	4.7	2.22
-6623	10	14.3
-6624	10.4	32
-6625	8.6	13.6
-6627	11.2	2.15
-6629	9.5	2.6
-6630	9.7	2.34
-6632	7.1	2.22
-6632	6.7	36
-6633	8.5	2.34
-6634	5.6	2.6
-6635	6.8	0.7
-6637	11.5	0.5
-6637.5	14.2	2.22
-6640	8.6	2.22
-6640	7.8	0.1
-6642	9	2.22
-6644	11.1	1.92
-6644	10.7	5.8
-6645	5.4	0.1
-6646	18.9	11.6
-6647	15	15.4
-6648	12.6	5.3
-6649	15.3	28.5
-6652	10.6	1.86
-6654	8	2.22
-6655	9	1.62
-6656	7.7	0.1
-6676	8.4	4.4
-6677	13	38
-6677.5	12.8	5
-6678	15	85
-6711	13.6	1.3
-6712	12.6	130
-6713	8.1	5.5
-6714	12.5	0.1
-6716	14.4	110
-6716	11.2	13
-6717	10.9	0.7
-6718	13.2	38
-6719	13.2	12.6

Della-3  
(Janon)

221.7

Tuolachee

-6653	14.1	0.5
-6659	14.4	0.5

			-6661	14.4	4.2
			-6662	15.8	3.3
			-6683	19.8	37.9
			-6710	16.2	12.8
			-6714	19.9	67.4
			-6718	17.6	53.2
			-6723	20.8	184
			-6725	27.7	138
			-6728	16.7	106
			-6441	11.7	0.5
			-6450	14.9	0.5
			-6452	13.6	0.5
			-6456	13.6	0.5
			-6457	14.7	0.5
			-6459	14.2	0.5
			-6466	14.6	0.5
			-6480	15.9	1.5
			-6510	14.5	0.5
			-6511	15.5	1.3
			-6512	15.1	1.2
			-6513	17.8	3.7
			-6524	14	0.5
			-6525	19	10
			-6526	22.4	85.8
			-6527	22.1	103
			-6528	24.3	277
			-6529	25.1	358
			-6530	24.1	291
			-6538	10.1	0.5
			-6540	14.9	0.6
			-6541	14.8	2.6
			-6542	15.4	1.6
			-6543	16.1	1
			-6544	17.9	16.8
			-6545	17	10
			-6546	18.3	32.9
			-6547	19.2	8
			-6548	18.6	11
			-6549	20	10.5
			-6550	19.7	6
			-6551	19.1	7.8
			-6552	16.1	2.3
			-6552.5	19.9	7.5
			-6563	12.6	0.5
			-6564	12.2	0.5
			-6565	12.2	0.5
			-6566	12.8	0.5
			-6567	13.6	0.5
			-6568	15.3	1.4
			-6569	13.4	0.5
			-6570	15.6	0.5
			-6571	14.7	1.5
			-6572	15.9	1.5
			-6573	14.5	1.4
Della-4	196.5	Troisachon			
(Santos)					

-6575	15	0.5
-6577	14.5	1.6
-6578	15.1	2.7
-6580	13.3	0.5
-6581	15.6	1.2
-6582	10.8	0
-6583	15.3	1.8
-6584	15.4	1.4
-6585	15.2	2.6
-6586	18.7	65.1
-6587	23.9	778
-6588	20.1	339
-6589	18.1	40.2
-6590	22.9	228
-6591	25.3	400
-6592	21.8	314
-6593	18.6	128
-6594	17.2	662
-6595	14.2	4.1
-6596	15.4	2
-6597	15.4	1.3
-6598	12.1	0.5
-6599	16.2	1.3
-6600	16.4	1.6
-6601	16.1	2.2
-6602	17	3.8
-6603	16.6	7.7
-6604	17.4	4.4
-6605	13.2	1.6
-6606	16.1	3.7
-6607	15	1.7
-6608	15.7	2.8
-6609	20.7	26.9
-6610	15.3	5.6
-6683	13.7	1.5
-6687	14.7	1.9
-6690	17.1	26.3
Della-4 (SADME)	196.5	Toolachee
-6530	6.2	999
-6532	4.7	999
-6533	9.2	999
-6536	13.4	999
-6538	14.8	999
-6541	12.3	999
-6544	13	999
-6547	16.3	999
-6549.5	4.4	999
-6553.5	5	999
-6554	5.2	999
-6556	5.4	999
-6558	8.2	999
-6560	10.3	999
-6563	10.6	999
-6566	10.8	999
-6568.5	10.6	999

			-6572	11.3	999
			-6574	13.8	999
			-6577	11.2	999
			-6580	13.8	999
			-6584	18.2	999
			-6588	17.4	999
			-6590	9.6	999
Della-Sa	165.2	Toulocher	-6265	11	0.5
(Sannon)			-6266	12.3	0.5
			-6267	15.4	16.4
			-6268	15.7	18.3
			-6269	14.6	3.9
			-6270	16.2	57.9
			-6271	6.6	0
			-6272	18.4	107
			-6273	17.9	54
			-6274	16.3	85.5
			-6275	14	2.9
			-6276	13.3	2.8
			-6304	16.1	13.6
			-6305	17.4	7.4
			-6306	11.4	0.5
			-6307	14.8	2
			-6308	20.3	167
			-6309	20.9	376
			-6310	18.6	12.4
			-6311	16.2	3.3
			-6312	20.6	406
			-6313	22.9	535
			-6314	20.1	257
			-6315	19.2	242
			-6316	20.6	186
			-6317	21.7	185
			-6318	23.5	371
			-6319	18.8	39.5
			-6320	22.8	255
			-6321	23.9	730
			-6322	20.6	310
			-6323	21.1	157
			-6324	20	281
			-6325	22.4	722
			-6326	19.2	227
			-6327	16.3	192
			-6330	19.1	500
			-6331	16.6	7.2
			-6332	15.4	5.3
			-6342	22	287
			-6344	21	335
			-6346	22	540
			-6360	14.8	2
			-6363	12.2	0.5
			-6364	16.5	7.6
			-6365	15.1	2.9
			-6366	14.2	2.2



			-6569	19.7	171
			-6570	19.8	86.6
			-6571	19.4	104
			-6572	16.7	9.2
			-6573	18	101
			-6574	17	17.3
			-6575	14.5	4.9
			-6576	15.4	5.2
			-6578	11.7	6.5
			-6579	12.5	0.5
			-6580	13.5	1.5
			-6581	12.3	0.5
			-6582	13.4	1.6
			-6583	11.8	0.5
			-6584	14.4	1.2
			-6585	14.4	1.8
			-6586	13.5	1.7
			-6587	12.8	1.7
			-6588	13.2	2.4
			-6589	13.9	2.9
			-6602	14.1	1.8
			-6603	14.8	3.1
			-6604	12.7	0.5
			-6605	24.2	774
			-6618	19.6	23.1
			-6619	19.5	47.9
			-6620	20.5	92.8
			-6621	20.8	139
			-6622	20.3	49.6
			-6623	13.5	1.2
			-6624	15	2.3
			-6625	18.4	286
			-6626	21.3	904
			-6627	17.8	13.2
			-6638	12.1	6.6
			-6639	15.1	4.5
			-6640	18.6	195
			-6641	20.5	281
			-6642	22.3	500
			-6643	16.8	19.8
			-6651	16.2	2.2
			-8245	10.1	5.6
			-8246	11.8	13
			-8247	8.2	0.54
			-8248	8.1	0.46
			-8249	8.2	0.78
			-8251	5	0.87
			-8252	6.5	0.26
			-8253	7.7	0.21
			-8287	6.7	0.17
			-8289	7.1	0.09
			-8290	6.3	0.27
			-8292	6.2	0.16
			-8293	5.8	0.18
Dichee-1 (Santon)	265.37	Pachawarra			

			-8294	4.3	0.63
			-8295	6.7	0.83
			-8296	6.5	1.6
Dirkale-1 (Santon)	96.66	Birk/Hutton Sst.	-5330	21.5	280
			-5332	23.2	415
			-5333	25.1	652
			-5334	26.5	1209
			-5335	24.3	388
			-5336	25.6	833
			-5337	19.4	105
			-5344	22.6	164
			-5345	17.6	8.9
			-5347	8.9	0.072
			-5348	4.1	0.013
			-5353	23.6	295
			-5353.8	25.2	392
			-5356	18	15
			-5357	17.8	21
			-5358	18.9	32
			-5361	21.7	162
			-5365	20.6	181
-5368	23	575			
-5374	24.9	873			
-5377	24.8	952			
-5381	24.3	796			
-5384	23.2	865			
-5388	24.8	2308			
Dullingari-1 (Santon)	300.3	Cretaceous	-1400	35	34
		Meoga	-5506	21	479
		Toolachee	-7200	9	3
Dullingari-1 (NCPOG)	300.3	Toolachee	-6911	7.3	0.062
			-6906	9.4	0.176
Dullingari-2 (Santon)	312	Toolachee	-7141	10.3	0.5
			-7142	10.5	0.5
			-7143	9.87	0
			-7144	14	5.5
			-7145	15.6	84.8
			-7146	13.9	13.7
			-7147	14.8	12.3
			-7148	11.5	6.3
-7149	12.8	2.2			
Dullingari-11 (Santon)	277	Murta	-4966	10.7	0.18
			-4967	13.6	1.2
			-4968	11.5	0.13
			-4969	11.1	0.02
			-4971	11.3	0.43
			-4972	12.3	0.13
			-4973	10.9	0.09
-4975	9	0.04			
-4977	10.4	0.13			

			-4978	11.1	0.09
			-4979	11.6	0.11
			-4980	16.9	0.08
Dulligari-16	285	Toolachee	-7019	13	29
(Santon)			-7021	13.6	52.6
			-7021	12.4	68
			-7023	14.3	54
			-7025	12.1	54
			-7031	5.9	15
			-7032.5	5.5	0.19
			-7034	6.8	0.11
			-7036.5	9.2	290
			-7039	15.7	290
			-7041	11.1	1.1
			-7041	19	300
			-7045	14.2	260
			-7046	8.4	0.94
			-7047	12.9	97
			-7048	96	0.39
			-7049	10.3	1.7
			-7050	16	65
			-7051	11.6	20
			-7052	15.1	77
			-7052	12.7	58
			-7054	16.7	79
			-7056	14.8	220
			-7057	17.5	270
			-7958.5	16	19
			-7059	13.1	130
			-7060	14.6	7
			-7062	13.4	5.6
			-7067	6.2	0.09
			-7071	4.9	1.6
			-7073	8.1	0.24
			-7074	8.5	0.2
			-7076	9.1	0.31
			-7077.5	7.9	0.16
Dulligari-16	285	Toolachee	-7030	14.5	110
(SADME)			-7032	12.6	26
			-7034	14.5	213
			-7040	6.7	0.062
			-7052	9.1	2.9
			-7053	11.5	165
			-7060	8.7	0.845
			-7061.5	14.5	152
			-7062.5	12	7.9
			-7063	14.1	111
			-7064.5	13.8	192
			-7072.5	12.2	19.7
			-7085	6.4	0.067
			-7088.5	8.8	0.265
			-7090	7.3	1.6



Dullingari-16 (Santon)	285	Pachawarra	-8200	3.5	0.04
			-8200.5	3.2	0.94
			-8201.5	4.7	0.04
			-8203	3.4	0.02
			-8203.5	6	0.27
			-8204.5	6.3	0.14
			-8206	6.7	0.27
			-8206	7.2	0.12
			-8207	6.8	0.31
			-8208.5	8	0.18
			-8209.5	8.8	0.41
			-8210	3.5	0.13
			-8212	7.1	0.15
			-8212	8	0.51
			-8214	11.7	0.34
			-8214	13.7	7.8
Dullingari-17 (Santon)	303	Pachawarra	-8054	9.1	0.1
			-8055	9.7	1.6
			-8056	7.8	0.6
			-8058	11.9	5.7
			-8059	15.2	11
			-8060	13.1	12
			-8066	5.9	0.1
			-8067	5.1	0.2
			-8068	6.2	0.2
			-8069	7.6	0.2
			-8070	7.4	0.09
			-8072	8.4	0.3
			-8074	8.6	0.2
			-8074	10.2	1.7
			-8075	8.8	0.17
			-8076	9.1	0.6
			-8078	9	0.2
			-8079	7.8	0.2
			-8080	9.2	0.3
			-8082	4.3	0.07
			-8084	3.9	0.03
			-8086	3.8	0.3
			-8087	6.9	0.1
			-8088	7.3	0.1
			-8089	11.3	0.3
			-8090	8.6	3.1
-8091	8	6.			
-8092	11.4	0.7			
-8093	6.7	0.08			
-8094	8.7	2.3			
-8095	10.4	0.5			
-8096	11.6	0.8			
-8097	8.4	0.3			
-8098	5.5	0.3			
-8100	12.9	23			
-8102	11.7	0.2			
-8103	14.6	4.5			
-8106	11.5	0.2			

-8108	13.7	0.8
-8109	10.5	0.3
-8110	8.3	0.2
-8111	1.4	0.04
-8115	13.7	0.5
-8116	12.6	0.5
-8117	6.6	0.3
-8118	11.1	0.6
-8119	5	0.04
-8120	10.9	0.6
-8121	11	1.4
-8122	9.6	0.9
-8123	10.8	4
-8124	10.6	1.4
-8125	13.6	3.3
-8126	12.4	0.8
-8126	12.9	0.3
-8127	10.1	0.2
-8128	9.6	0.2
-8129	11.2	0.6
-8130	12.2	1.4
-8131	13	3.5
-8132	11.4	0.4
-8232	7.5	0.1
-8234	9.9	0.5
-8235	10.9	0.4
-8236	4.5	0.2
-8238	9	0.2
-8239	3.9	0.1
-8240	4.3	0.2
-8241	7.9	0.2
-8243	9.5	0.7
-8246	9.5	0.2
-8247	10.6	0.4
-8249	9	0.6
-8250	3.8	0.06
-8252	10.8	1.1
-8253	11.4	2.8
-8259	7.8	0.4
-8260	6.4	0.2
-8262	7.8	0.2
-8264	10	1.1
-8265	10.7	1
-8266	10.5	3.1
-8267	11	9.3
-8268	11.6	3.9
-8270	10	2.1
-8271	11.3	3.4
-8386	4.7	0.07
-8387	5.7	0.08
-8388	6	0.1
-8389	5.9	0.2
-8390	5.6	0.07
-8391	3.5	0.06
-8392	5.6	0.1

			-8394	5.1	0.1
			-8395	4.8	0.06
			-8396	6.6	0.3
			-8396	6.5	0.1
			-8398	5.4	0.1
			-8400	5.7	0.09
			-8401	2.9	0.1
			-8403	5.6	0.1
			-8404	6.9	0.1
			-8405	6.7	0.1
			-8406	5.5	0.1
			-8407	6.2	0.5
			-8408	4.9	0.1
			-8410	7	0.4
			-8428	5.3	0.01
			-8430	6.2	0.1
			-8431	8.8	0.6
			-8433	8.1	0.3
			-8433	8.3	0.8
			-8434	8.3	1.7
			-8436	9.1	0.7
			-8284	2.6	0.04
Dullngai-19	5.8	Pachawatta	-8286	10.4	2.6
(Santos)			-8287	9.1	2.1
			-8288	11.2	6.5
			-8289	5	0.2
			-8290	10.4	7.8
			-8291	12	7.6
			-8292	10.1	4.1
			-8294	11	9.7
			-8295	13.9	58
			-8296	6.7	4.7
			-8297	9.1	0.4
			-8298	6.6	0.8
			-8305	7.2	0.09
			-8306	3.7	0.06
			-8307	7	0.1
			-8308	9.9	0.2
			-8309	5.2	0.08
			-8310	7.2	0.2
			-8311	5.9	0.1
			-8312	4.8	0.09
			-8313	9	0.5
			-8314	9.1	0.5
			-8315	10.5	1.6
			-8316	9.9	0.8
			-8317	8.9	0.4
			-8318	0.7	0.02
			-8319	8.9	0.3
			-8320	8.3	0.2
			-8321	9.1	0.6
			-8322	9.7	0.7
			-8323	7.8	0.2
			-8325	10.8	0.3

			-8326	6.3	0.1
			-8382	11.8	1.6
			-8390	7.4	0.2
Dullingar-23 (Samos)	316	Pachawarra	-8243	5.3	0.81
			-8244	4.2	0.92
			-8245	4.4	0.86
			-8247	4.6	0.84
			-8247	5.4	0.68
			-8249	6.4	1.2
			-8250.5	10.2	1.8
			-8251	10.5	1.6
			-8053	10.3	1.2
			-8054	9.2	1.4
			-8059	5	0.5
			-8061	4	0.9
			-8062	5	1.1
			-8064	6.2	1.3
			-8064	9	1.5
			-8065	10.2	1.7
			-8066	9	1.6
			-8067	8	1.7
			-8068	11.5	1.6
			-8069	6.5	1.4
			-8075	4.5	0.89
			-8075	5.2	1.1
			-8076	4.4	1.1
			-8077	5.5	1
			-8078	6	1
			-8079	6.5	1.9
			-8080	5.8	1.1
			-8081.5	8.7	8.3
			-8082	10	49
			-8083	13.9	97
			-8084	15.4	111
			-8085	13	54
			-8085	14.4	50
-8087	15.8	48			
-8088	13.4	240			
-8089	14.3	62			
Dullingar-23 (SADMI)	316	Pachawarra	-8245	4.8	0.027
			-8251	9.3	0.409
			-8253	8	0.336
			-8265	4.3	0.032
			-8268	7	0.202
			-8269	8.6	1.04
			-8272	6.8	0.282
			-8283	6.2	0.154
			-8283	13.6	21
			-8287	12.9	20.3
			-8288	14.2	114
			-8289	14.2	54
			-8291	13.3	20.3
-8292.5	13.1	18.4			

Dullingari-24 (Santos)	307	Paichawarra	-8200	5.8	0.81
			-8201	6.4	0.79
			-8202	6.6	0.85
			-8203	6.8	0.96
			-8204	7.1	0.82
			-8204.5	6.4	1
			-8205	6.7	1.2
			-8206	5.3	1.1
			-8206	6.7	1.8
			-8206.5	7.3	0.99
			-8207.5	5.8	1.1
			-8208.5	7.1	1
			-8209	9.4	1.1
			-8210	6.5	1
			-8211	7.5	1.1
			-8211	7.9	1.2
			-8212	7.9	0.82
-8213.5	12.5	42			
-8215	13.7	15			
Dullingari-25 (Santos)	291	Paichawarra	-8162	8.4	0.31
			-8163	6.8	0.38
			-8175.5	8.5	0.36
			-8176	8.2	0.38
			-8177	7.6	0.23
			-8178.5	9.1	0.23
			-8179	9	0
			-8180.5	10.8	0.33
			-8182	9.2	0.34
			-8182.5	10.8	2.7
			-8183.5	9.8	2.4
			-8184.5	9.8	28
			-8186.5	1.4	0.33
-8187.5	7.9	0.44			
Dullingari-44 (Santos)	29: 22	Toolachee	-7256	9.9	0.18
			-7258	10.6	0.28
			-7259	11	0.54
			-7261	12.5	13
			-7262.5	12.6	25
			-7265	9.7	30
			-7267	11.8	4.9
			-7268.5	13.2	22
			-7270	11.4	2.5
			-7273	13.1	81
			-7274	13	27
			-7274.5	12.3	4.1
			-7282	15.2	237
			-7283	12.6	8.6
			-7283	12.9	43
-7286.5	14.4	139			
-7288	13.7	41			
-7290	13.4	23			

Dulligari	268	Pachawarra	-8148.5	7.6	0.1
North-1			-8149.5	8.1	0.1
(Sanson)			-8150	8.3	0.1
			-8151	9.8	0.4
			-8152	9	0.9
			-8153	9.3	0.3
			-8155	9.5	0.7
			-8156	9.3	0.3
			-8156.5	9.9	0.4
			-8158	8.9	0.2
			-8158.5	10.3	10.5
			-8160	9.2	0.2
			-8160.5	10.1	0.4
			-8161	10.3	0.6
			-8163	11.8	5.5
			-8163.5	11.6	3.4
			-8164	14.1	8.2
			-8165.5	16.5	194
			-8167	14.6	144
			-8167.5	14	69
			-8168	15.4	269
			-8170	11	2.1
			-8170.5	12.8	11
			-8171.5	15.3	36
			-8172	14.6	17
			-8173.5	15.5	82
			-8174	17.6	124
			-8175	16.7	206
			-8298	4.2	0
			-8301.5	6.4	0.43
			-8305	10	0.12
			-8577	8.2	1.3
			-8588.5	2.8	0.07
			-8590.5	2.7	0.04
			-8592.5	2.3	3.6
			-8593.5	2.2	0.04
			-8594.5	3.5	0.06
			-8595.5	4.5	0.09
			-8596.5	4.7	0.08
			-8597.5	5.7	0.13
			-8598.5	5.9	0.09
			-8599.5	5.6	0.1
			-8603.5	5.3	0.12
			-8601.5	5	0.1
			-8602	5.1	0.1
			-8604	5.1	0.12
			-8604.5	5	0.12
			-8605.5	4.7	0.1
			-8606.5	4.6	0.1
			-8608	4	0.07
			-8612.5	4.5	0.04
			-8613.5	4.4	0.05
			-8614.5	5	0.06
			-8615.5	4	0.05
			-8617.5	4.1	0.1

			-8618.5	4.9	0.08
			-8619.5	4.3	0.08
			-8620.5	5.3	0.09
			-8621.5	5.6	0.12
			-8622.5	5.1	0.12
			-8623.5	4.8	0.08
			-8625	4.4	0.09
			-8625.5	4.1	0.09
			-8626	3.8	0.06
			-8627.5	6.9	0.26
			-8628.5	8.1	0.3
			-8629	7.6	9
Dullingeri North-2 (Santon)	233	Pachawatta	-8307	3	1
			-8308	6.8	0.99
			-8309	6.2	0.78
			-8310	4.4	0.72
			-8311	3.9	0.82
			-8312.5	3.7	0.69
			-8314	5.4	0.6
			-8315	3.6	0.84
			-8362	10.2	1.2
			-8362.5	10.4	1.6
			-8363.5	8	246
			-8366	2.1	0.23
			-8367	4.4	0.63
			-8387	8.7	6.6
			-8388	10.4	4
			-8389	9.1	3.9
			-8389	8.5	4.6
			-8390	10.4	7.2
			-8391	13.4	9.2
Dullingeri North-3 (Santon)	288	Pachawatta	-8528	3.8	0.22
			-8529	3.4	0.22
			-8530	4.2	0.22
			-8531	6.2	0.64
			-8532.5	6.5	0.22
			-8534	8.9	0.32
			-8534.5	7.9	0
			-8536	4.8	67
			-8536.5	7.5	0.22
			-8537	5.1	0.45
			-8538	12.3	11
			-8545	3.8	0.56
			-8546	5	0.31
Fly Lake-2 (Santon)	132	Pachawatta	-8812	9.3	0.5
			-8822	7.05	0
			-8835	9.7	0.5
			-8836	13.9	4.53
			-8837	14.7	12
			-8838	14.8	5
			-8839	13.7	4.2
			-8840	15.9	10.7

-8841	14.3	16
-8842	6.8	0
-8843	14.2	3.4
-8844	14	2.64
-8845	8.7	0.5
-8851	v	0.5
-8876	6.1	0
-8877	8.2	0
-8878	11.7	0.5
-8879	10.7	0.5
-8880	10.4	0.5
-8882	14.1	2.08
-8883	16.1	51
-8884	15.5	5.06
-8885	16.5	19.4
-8886	12.2	1.49
-8887	15.7	8.12
-8888	12.5	1
-8889	13.4	12.2
-8890	11.5	1.66
-8892	7.7	0
-8893	7.2	0
-8894	13.8	1.32
-8895	12.4	1.64
-8896	10.8	0.5
-8897	9.1	0.5
-8899	9.2	0.5
-8909	11.7	1
-8912	13.9	1.74
-8913	15	6.7
-8914	13.2	2.33
-8915	13.7	3.05
-9014	16.2	159
-9015	13.6	12.3
-9021	11.6	1.4
-9022	12.7	1.8
-9023	13.8	3.3
-9024	10.3	0.5
-9025	12.8	2.3
-9026	10.5	0.5
-9027	11.9	2.8
-9028	10.4	1.6
-9029	13.3	4.7
-9030	10.7	3.1
-9031	15.1	41.2
-9032	13.3	3.1
-9033	10.4	3.1
-9034	10	0.5
-9035	12.2	2.7
-9036	12.8	3.5
-9037	15.5	195
-9038	16.7	11.8
-9044	16.3	17.1
-9048	12	4.7
-9202	8.55	0.5



			-9216	3.38	0
			-9217	7.97	0
			-9218	9.32	0
			-9219	9.3	0
			-9220	8.86	0
			-9221	11.6	0.5
			-9222	12	1.9
			-9223	10.7	0.5
			-9224	10.1	0.5
			-9225	9.78	0.5
			-9226	8.95	0
			-9227	9.44	0.5
			-9228	7.67	0
			-9229	1.75	0
			-9230	6.83	0
			-9231	8.8	0
			-9232	9.09	1.4
			-9233	9.28	0.5
			-9234	11.6	2.3
			-9235	11	2.6
			-9236	11.3	2
			-9237	13.3	4.7
			-9238	10.1	2.3
			-9239	12.5	1.9
			-9240	11.6	2.9
			-9241	13.3	6.4
			-9242	12.6	5.8
			-9243	10	4
			-9244	8.98	0.5
			-9280	11.5	2.1
			-9281	14.3	7.7
			-9282	17.4	37.8
			-9283	15.7	19.2
			-9284	17.3	51.6
			-9285	15.6	4.5
			-9286	6.5	0
			-9297	13.1	0.5
			-9313	6.36	0
			-9320	5.12	0
			-9333	5.67	0
			-9396	4.9	0
			-9407	7.35	0
			-9478	11.7	1.7
			-9520	5.56	0
			-9534	10.4	3.5
			-9535	10.1	0.5
			-9536	9.46	0.5
			-9537	8.26	0
			-9538	10.5	0.5
			-9539	11.3	0.5
			-9540	10	0.5
			-9541	9.36	0
			-9542	9.14	0.5
			-9543	11.1	0.5
Fly Lake-2 (Samon)	132	Terrawarra			

			-9544	10	0.5
			-9545	9.6	0.5
			-9546	9	3.4
			-9547	11.4	1.8
			-9548	12.7	7.8
			-9549	8.82	2.5
			-9550	9.41	1.6
			-9551	9.86	2.8
			-9552	7.8	0
			-9553	14.1	7.7
			-9554	14.8	70
			-9555	16.4	87.6
			-9556	15.7	68.3
			-9557	13.7	71.0
			-9558	11.6	16.4
			-9559	8.6	1.6
			-9560	8.44	2.2
			-9561	13	33.7
			-9562	11.4	5.1
			-9563	10.2	12.3
			-9564	8.13	0
			-9565	10.9	2.5
			-9566	9.93	1.3
			-9567	14.4	46.8
			-9568	14	61.9
			-9569	10.9	12.8
			-9570	7.1	0
			-9571	6.8	0
			-9572	4.85	0
			-9573	3.04	0
			-9585	7.54	0
			-9586	8.1	1.6
			-9587	12.3	2.9
			-9588	12.6	2.4
			-9589	10.5	2.4
			-9590	13.5	3.7
			-9591	11	2.7
			-9592	12.2	2.4
			-9593	13.8	6.6
			-9594	15.6	7.7
			-9595	8.32	0.5
			-9596	12.2	4.7
			-9599	12.9	7.7
Fly Lake-2 (Santon)	132	Merrim itia	-9602	11.7	3.3
			-8693	7.24	0
Fly Lake-3 (Santon)	122	Epsilon	-8697	7.72	0
			-8702	4.95	0
			-8719	9.97	0
			-8722	5.94	0
			-8730	5.86	0
			-8765	5.09	2.4
Fly Lake-3 (Santon)	122	Pachawarra	-8768	6.85	0

-8791	8.09	0
-8794	10	0
-9154	10.7	0.5
-9185	11.9	0.5
-9186	8.26	0
-9187	11.9	0.5
-9188	10.8	0.5
-9189	11.7	0.5
-9190	11.1	0.5
-9191	10.3	0.5
-9192	11.7	0.5
-9193	4.83	0
-9194	9.68	0
-9195	10.8	0.5
-9196	10.7	0.5
-9197	10.4	0.5
-9198	9.42	0
-9201	9.84	0
-9203	8.68	0
-9310	8.9	0
-9320	1.72	0
-9325	6.59	0
-9331	8.79	0
-9333	7.17	0
-9334	4.9	0
-9343	8.72	0
-9361	10.4	3.4
-9362	10.1	1.5
-9363	11.9	1.8
-9423	12.2	5
-9424	11.7	0.5
-9425	7.94	0
-9426	7.7	0
-9452	8.35	0
-9453	7.39	0
-9454	9.09	0
-9455	1.89	0
-9456	10.5	0.5
-9457	9.36	0
-9469	10.4	0.5
-9470	10.9	0.5
-9471	13.2	0.5
-9472	11.7	1.5
-9475	10.6	0.5
-9476	10.1	0.5
-9477	9.47	0
-9488	8.34	0
-9491	7.52	0
-9492	8.63	0
-9493	14.7	8.7
-9494	12.6	2.3
-9495	14	12.3
-9496	13.9	4.2
-9497	13.4	6.6
-9498	17.5	13.6

-9499	16.6	95.8
-9500	13.8	14.7
-9501	16	80.2
-9502	13.9	12.1
-9503	9.28	0
-9504	6.44	0
-9532	5.72	0
-9537	6.91	0
-9538	8.21	0
-9539	6.02	0
-9540	5.9	0
-9543	9.57	0
-9548	2.98	0
-9550	5.93	0
-9551	4.54	0
-9552	7.62	0
-9553	8.81	0
-9554	11.1	0.5
-9555	11.6	0.1
-9556	13.3	2.1
-9557	13.4	4.5
-9558	13.6	3.4
-9559	12.5	5.2
-9560	12.3	8.8
-9561	11.2	18.2
9562	9.15	1.5
-9563	8.12	0
-9565	8.5	0
-9566	10.5	0.5
-9572	2.58	0
-9581	8.09	0
-9582	7.73	0
-9583	10.1	0.5
-9584	10	0.5
-9585	9.4	0
-9586	11.8	0.5
-9587	11.3	0.5
-9588	10.7	0.5
-9589	12.8	2.1
-9590	12.6	2.6
-9591	13.6	1.9
-9592	14.5	2.4
-9594	11.2	6.1

Fly Lake-4  
(SADME)

113

Murta

-5881	13.2	0.295
-5882	2.3	0.002
-5883	9.4	0.072
-5884	4.6	0.031
-5885	8.6	0.015
-5886	19	0.418
-5887	12.3	0.024
-5888	19.9	1.1
-5890	15.4	0.09
-5891	20.2	0.673
-5891	12	0.02

			-5892	11.3	0.022
			-5893	14.9	0.155
			-5894	11	0.141
			-5894	10.4	0.023
			-5896	10.6	0.034
			-5897	9.5	0.05
			-5897	9.1	0.013
			-5899	11.4	0.024
			-5900	11.6	0.03
			-5901	11.9	0.566
			-5902	20.6	12
			-5903	20.2	15.9
			-5904	18.9	10.7
			-5905	8.2	0.049
			-5906	9.8	0.045
			-5908	11.4	0.023
			-5909	14	0.081
			-5910	13.6	0.063
			-5910	11.9	0.861
			-5911	7.9	0.067
			-5912	9	0.052
			-5913	12.6	0.154
			-5914	15.9	0.148
			-5915	8.2	0.039
			-5916	11.6	0.026
			-5918	10.8	0.024
			-5919	9.5	0.034
			-5921	12.1	0.465
			-5922	11.6	0.092
			-5923	14.5	0.077
			-5924	11.6	0.027
			-5925	14.9	0.097
			-5926	16.5	0.22
			-5927	14.2	0.068
			-5927	10.9	0.008
			-5928	9.8	0.007
			-5929	15.5	0.127
			-5930	11.8	0.044
			-5901	11.3	0.97
			-5902	19.5	5.1
			-5903	20.7	11
			-5904	11.6	4.5
			-5905	19.1	9.5
Fly Lake-4 (Sannon)	113	Murta	-8864	11.1	0.43
			-8865	11.1	0.63
			-8866	15.1	2.2
			-8867	16.4	38
			-8868	13.9	43
			-8869	13.4	11
			-8870	15.8	11
			-8871	14.8	6.6
			-8872	15.2	39
			-8873	16	51



			-9428	5.7	0.16
			-9429	7.9	1
			-9430	6.2	0.58
			-9431	10.6	2.6
			-9432	13.2	5
			-9442	6.4	0.091
			-9443	11.7	0.74
			-9444	12.5	0.95
			-9445	12.3	1.7
			-9446	11.6	1.2
			-9447	8.8	0.26
			-9448	12.4	1.7
			-9449	10.8	1.7
			-9450	10.7	0.71
			-9451	12.2	1.5
			-9452	11	0.44
			-9453	8.2	1
			-9454	12.2	0.36
			-9455	12.5	1.9
			-9456	12.4	1
			-9457	7.8	0.12
			-9458	12.8	1.5
			-9459	12	1.5
			-9460	12.8	1.9
			-9461	12.3	3.1
			-9462	9.9	3
			-9463	10.3	1.1
			-9464	12	1.2
			-9465	8.1	1.4
			-9466	7.5	0.85
			-9467	10	2.9
			-9468	12	3.7
			-9469	10.3	1.1
			-9470	11.8	2.6
			-9471	11.1	2.1
			-9472	4.4	0.55
			-9473	7.4	1.3
			-9373	9.3	1.4
			-9376	8.7	0.36
			-9380	9.9	0.67
			-9381	10.4	0.63
			-9382	11.2	1.2
			-9383	10.4	0.83
			-9384	16	101
			-9385	13.8	1
			-9385.66	13.1	1.2
			-9386.5	13.8	45
			-9387.5	14.1	25
			-9388	16.1	154
			-9389.5	13.6	6.9
			-9390.5	11	1
			-9391	14.4	34
			-9391	14.7	21
			-9392	13.4	13
Fly Lake-6 (Sanion)	115.14	Tutawarra			

			-9394	15.3	12
			-9395	9.4	0.23
			-9396	8.9	1.2
			-9397	15.5	31.3
			-9398	9.9	2.1
			-9400	10.5	10
			-9400.9	14	54
			-9401	10.4	1.8
Gidgealpa-3	124	Patchawarra	-7324	18.4	108
(Santon)			-7323	18.1	26
			-7324	9.5	0.9
Gidgealpa-16	116.4	Tootlachet	-6878	17.7	167
(Santon)			-6879	18.4	166
			-6880	11.9	2.1
Gidgealpa-16	116.4	Tutawarra	-7231	15.1	21
(Santon)			-7232	14.2	4.6
			-7233	10.4	0.1
			-7235	5.6	0.4
			-7236	10.9	0.1
			-7237	12.4	0.1
			-7238	10	0.2
			-7239.5	12.6	0.6
			-7240	13	1.1
			-7241	13.1	1.1
			-7242	13.4	2.1
			-7243	14	3.3
			-7244	12.5	0.3
			-7245	15.7	4.4
			-7246	12.6	1.8
			-7247	13.6	1.9
			-7248	9.8	0.4
			-7249	15.3	2.2
			-7250	14.7	2.9
			-7252	8.3	0.1
			-7253	7.4	0.1
			-7254	11.4	0.1
			-7255	10.4	0.1
			-7256	14.7	5.8
			-7257	16.6	13
			-7258	16.1	19.7
			-7259	15	16.8
			-7260	14.8	77
			-7261	16.3	21
			-7262	16.8	41
			-7263	12	94
			-7264	17.6	164
			-7265	11.6	14
			-7266	15.4	11
			-7267	14.6	20
			-7268	12.5	6
			-7269	15.8	55
			-7270	12.8	11



			-7271	14.1	8.8
			-7272	6.7	0.1
			-7273	15.1	30
			-7274	15.4	33
			-7275	15.7	19
			-7276	12	1.6
			-7277	14.5	5.1
			-7278	12.4	1.7
			-7279	10.2	0.3
			-7280	12.7	1.1
			-7281	5.5	0.4
			-7282	6.6	0.1
			-7283	13	4.9
			-7284	10.1	1
			-7285	6.5	0.1
			-7286	15.8	17
			-7287	14.8	16
			-7288	11.2	1.1
			-7289	9.5	0.4
Gidgalpa-16 (SADME)	116.4	Turtawarra	-7243.5	10.5	0.376
			-7244.5	9.6	0.482
			-7245	11.6	1.2
			-7246	10.6	0.516
			-7250.5	13.3	2.8
			-7253	15.5	8.2
			-7256	10.4	1.1
			-7258.5	9.8	0.09
			-7259.5	6.7	0.103
			-7260	7	0.079
			-7261	8.6	0.137
			-7262.5	9.3	3.5
			-7271	17	63.8
			-7282.5	14.9	12.1
			-7289	6.4	0.507
Innamincka-1 (Santos)	392	Cret./Jur.	-1010	34.7	999
			-4033	12.4	999
			-4036	13.4	999
			-4039	13.6	999
			-4041	13.3	999
			-4550	20.4	999
			-4553	22.7	999
			-4557	19.8	999
			-5064	19.4	999
			-5073	21.4	999
			-5069	23	999
			-5571	17.7	999
			-5574	18.9	999
			-5575	21.3	999
			-5577	18.5	999
			-5577.5	19.4	999
Innamincka-1 (Santos)	392	Nappanorei	-6088	7.7	999

Innamincla-1 (Santon)	392	Pachawarra	-6824	3.6	999
			-6827	6.2	999
			-6831	5.7	999
			-6833	7.1	999
			-6836	6.8	999
			-6837	4.1	999
			-6898	9	999
			-6899	11.5	999
			-7001	3.1	999
Jack Lake-1 (Santon)	109.58	Pachawarra	-8673	11.3	2.5
			-8678	2.6	1
			-8681	3.7	1
			-8682	8.9	1
			-8683	7.8	1
			-8685	9.8	1
			-8686	11.8	2
			-8687	8.3	2
			-8688	10.5	3
			-8689	7.3	2
			-8690	10.6	2.6
			-8691	10	3.6
			-8692	10	2.7
			-8693	9.3	2.6
			-8694	14.5	12.3
			-8695	9.4	2.6
			-8697	15.3	15
			-8698	15.2	31
			-8699	7.8	1
			-8701	10.1	1.9
			-8702	8	1
			-8703	10.2	2.6
			-8704	10.3	1
			-8705	11	2.5
			-8706	6.5	1.5
			-8714	11.2	2.6
			-8715	11.4	4.2
			-8716	10.7	2
			-8717	10.8	2.7
			-8718	12.7	3.3
			-8719	9.8	4.2
			-8720	13	36
-8721	13.3	34			
-8722	10.4	3.2			
-8726	11.4	2.5			
-9765	1.9	1			
-9766	10.5	2.2			
-9768	12.9	7.1			
-9766	16	6.7			
-9771	16.3	8.4			
-9772	16.6	15.8			
-9773	17.8	10.1			
-9775	16.2	17.7			
-9776	13.6	7.4			

			-9778	9.8	7.1
			-9779	12.4	7
			-9781	13.5	6.2
			-9782	14.8	6.4
			-9784	12.4	5
			-9785	11.8	6.5
Jack Lake-1 (SADME)	109.58	Pachawarra	-8704	14.3	42.2
			-8705.5	11	4.99
			-8705.5	9.2	0.311
			-8710	8.9	0.259
			-8711	9.3	0.223
			-8712	11.1	0.799
			-8713	10.2	0.374
			-8715	0.7	0
			-8717	4.2	0.056
			-8718.5	7.1	0.052
			-8721	9.7	0.519
			-8724	9.3	0.373
			-8725	9.7	0.326
			-8728	11.5	4.41
			-8729	10.7	0.847
Kerna-1 (Santon)	285.49	Epsilon	-7663	6.4	0.36
			-7664	11.6	0.44
			-7665	8.3	0.25
			-7666	10.8	0.25
			-7667	8.9	0.14
			-7668	9.6	0.17
			-7669	8.7	0.14
			-7670	7.1	0.12
			-7671	7.5	0.14
			-7672	6	0.03
			-7673	6.1	0.289
			-7680	8.6	0.19
			-7681	11.1	0.75
			-7682	9.2	0.98
			-7683	11.1	0.83
			-7684	11.5	0.31
			-7685	10	0.27
-7686	7.1	0.07			
-7687	8.2	0.16			
-7687	1.1	0.077			
Kerna-1 (Santon)	285.49	Pachawarra	-8116	5.4	0.18
			-8117	5.2	2.9
			-8118	3.4	0.14
			-8119	4.6	0.12
			-8120	5.1	0.12
			-8121	3.9	0.22
			-8122	6.6	0.18
			-8123	6.7	0.45
			-8125	5.8	0.13
			-8126	7.6	0.31
-8127	7.5	0.29			

			-8128	6.6	0.33
			-8129	6.8	0.19
			-8130	7.2	0.84
			-8131	6.4	1
			-8132	6.4	1.2
Kidman-2 (Sanico)	255	Toulache	-6651	10.6	0.1
			-6652	13.5	3
			-6653	14.6	21
			-6654	16.8	159
			-6655	16.1	57
			-6656	14	9.3
			-6658	13.9	3.3
			-6659	17.4	176
			-6661	14.8	21
			-6662	15.4	19
			-6663	15.5	37
			-6665	15.8	324
			-6666	13.7	8.5
			-6667	18	184
			-6668	15.3	13
			-6670	14	143
			-6671	12.9	1.6
			-6672	12.6	12
			-6673	15.6	197
			-6675	13.1	23
-6676	10.3	0.1			
-6677	12.7	2.4			
-6678	15.2	12			
-6679	16.3	45			
-6680	14	9.6			
-6687	10.7	0.1			
-6688	10.5	0.1			
-6689	7.9	0.1			
-6690	5.9	0.1			
Kidman-2 (SADMI)	255	Toulache	-6650.5	12.1	1.37
			-6655	14	15.2
			-6657.5	16.9	237
			-6659.5	16	92.8
			-6664	16.7	321
			-6666	14.3	169
			-6670.5	9.6	0.324
			-6672.5	16	382
			-6674	12.4	1.62
			-6675.5	11.9	1.54
			-6676.5	16.3	72.5
			-6678.5	15.5	135
			-6680	14.1	19.2
			-6686.5	7.6	0.039
			-6688.5	9.5	0.218
Kidman-2 (Sanico)	255	Epsilon	-6980	8.7	0.8
			-6981	8.4	0.1
			-6984	4.4	0.1

			-6985	1.2	0.1
			-6987	7.2	0.7
			-6990	6.2	0.1
			-6991	5.9	0.1
			-6793	4.8	0.1
Kirby-1 (Santos)	334.91	Toolachee	-8935	8.9	2.9
			-8937	9	0.1
			-8938	10.3	5.7
			-8940	6.7	0.3
			-8943	6.5	3.8
			-8946	9.7	0.6
			-8951	7.9	0.6
			-8954	8.2	4.1
Kirby-1 (NCPGG)	334.91	Toolachee	-8959	7.1	0.176
			-8949	8.5	1.84
			-8939	1.5	0.024
Kirby-1 (Santos)	334.91	Epsilon	-9699	2.6	0.1
			-9700	3.2	0.1
			-9702	4.4	0.1
			-9709	3.3	0.1
			-9710	3	0.1
			-9716	3.5	0.1
			-9717	3.5	0.1
			-9729	4.1	0.1
Kudriche-1 (Santos)	141	Toolachee	-9321	15.5	8.8
			-9322	13.6	2.9
			-9323	12.1	5.1
			-9324	14.3	1.8
			-9325	13	0.5
			-9326	16.9	7.5
			-9327	14.4	1.5
			-9328	16.3	22.7
			-9329	15.2	6.1
			-9330	13.2	0.5
			-9331	14.4	4.5
			-9332	16.3	15.4
			-9333	17.6	34.4
			-9334	18.7	84.2
			-9335	15.6	3.2
			-9336	13.9	6.3
			-9337	16.4	14.2
			-9338	16	48.6
-9339	15.2	6.8			
-9340	14.7	98.5			
-9341	13.7	2.4			
-9342	9.6	0.5			
Kudriche-1 (Santos)	141	Pachawarra	-9819	8.74	0
			-9820	3.24	0
			-9821	4.69	0
			-9822	4.17	0

			-9823	7.94	0
			-9824	7.6	0
			-9825	8.19	0
			-9826	7.1	0
			-9827	12.8	8.65
			-9828	12.7	0.5
			-9829	9.03	0
			-9830	8.7	0
			-9831	13.3	2.1
			-9832	12.8	1.8
			-9833	13.4	3.9
			-9834	14.9	6.95
			-9835	12.3	0.5
			-9836	12.7	1.1
			-9837	10.8	0.5
			-9838	12.6	0.5
			-9844	7.2	0
			-9852	8.45	0
			-9853	7.99	0
			-10077	11.4	0.5
			-10082	8.3	0
			-10084	4.36	0
			-10086	10.8	0.5
			-10094	9.5	0
			-10095	8.34	0
			-10099	10.9	0.5
			-10100	13.7	0.5
			-10101	13.7	0.5
			-10102	14.9	0.5
			-10103	12.9	0.5
			-10104	11.6	0.5
			-10105	15.3	1.1
			-10106	12.7	0.5
			-10107	13.9	0.5
			-10108	14.9	1.2
			-10109	10.7	0
			-10110	15	0.5
			-10111	12.1	0.5
			-10112	11.1	0.5
			-10113	14.5	0.5
			-10114	15.9	0.5
			-10115	15.7	1.2
			-10116	13.9	0.5
			-10117	14.4	0.5
			-10118	13.7	0.5
			-10119	15.9	0.5
			-10120	9.5	0
			-10121	14.5	0.5
			-10122	16.1	0.5
			-10123	16	1.4
			-10123.5	14	1.5
			-10124	14.4	1.8
			-10125	14.3	0.5
			-10126	15.1	1.8
Kulnake-1 (Santon)	141	7Tirrawarra			

-10127	15.6	1.5
-10128	12.2	0.5
-10129	14.6	1.6
-10130	14	2.8
-10131	12.6	0.5
-10132	15.3	1.4
-10133	11.7	1.3
-10134	16.1	1.6
-10135	11	0.5
-10136	13.3	0.5
-10137	14.5	1.4
-10138	13	1.4
-10139	12.1	0.5
-10140	11.2	0.5
-10141	12.1	0.5
-10142	10.1	0
-10143	14.4	0.5
-10144	17.1	1.3
-10145	14.1	0.5
-10146	12.9	0.5
-10147	12.8	0.5
-10148	12.8	0.5
-10149	14.3	0.5
-10150	17.1	0.5
-10151	16.8	0.5
-10152	16	0.5
-10153	12.1	0.5
-10154	14.4	1.4
-10155	14.9	2.6
-10156	15.5	0.5
-10157	12.8	0.5
-10161	14.4	0.5
-10162	14.3	0.5
-10163	11.4	0.5
-10164	12.4	0.5
-10165	14.6	0.5
-10166	7.25	0
-10167	14.1	0.5
-10168	11.4	0.5
-10169	13.4	1.6
-10170	14	0.5
-10171	16	1.3
-10172	15.9	1.5
-10173	14.8	1.4
-10174	9.9	0
-10175	13.8	1.3
-10176	12.4	1.2
-10177	14.2	1
-10178	10.1	1.1
-10179	8.9	0
-10180	11.7	0.5
-10181	11.5	0.5
-10182	11.1	0.5
-10186	8.1	0
-10187	6.14	0

			-10188	11.1	0.5
Lake Hope-1 (Santon)	52	Epsilon	-6693	13.6	0.147
Lake Hope-1 (Santon)	52	Pachawarra	-6980	11.5	0.1
Marsilea-1 (Santon)	293.31	Pachawarra	-7859	2.4	0.009
			-7860	10	1.6
			-7861	8.1	0.93
			-7862	8.9	1.3
			-7863	9.4	2
			-7863.8	10.8	3.2
			-7865	8.7	1.3
			-7873	3.3	0.009
			-7874	3.2	0.009
			-7875	4	0.014
			-7877	6	0.038
			-7878	5.5	0.025
			-7879	7	0.083
			-7880	4.5	0.034
			-7881	7.3	0.125
			-7882	7.1	0.133
			-7882.5	6.3	0.078
			-7884	8.2	0.358
McKinlay-1 (Santon)	140.39	Cretaceous	-2911	16	0.038
			-2913	16.4	0.025
			-2916	16.6	0.14
			-2918	12.8	0.051
			-2922	16.7	0.4
			-2924	18	0.035
			-2928	25.9	2.6
			-2930	4.3	0.015
			-2934	20.7	0.035
			-2936	19.7	2
			-2939	18.7	0.015
			-2942	19.8	0.013
			-2946	20.2	0.01
			-2948	19.7	0.042
			-2950	18.6	0.21
			-2957	21.1	0.008
			-2960	19.1	0.054
			-2962	19.2	0.28
			-2963	18.1	0.004
			-2969	23.2	0.005
McKinlay-1 (Santon)	140.39	Namur	-4086	18.8	10
			-4088	25	6.4
			-4089	21.1	0.61
			-4090	18.5	24
			-4091	21.9	53
			-4093	19.3	10.6
			-4094	9.4	0.01





			-7366	10.65	999
			-7366	10.61	999
			-7367	10.56	999
			-7368	10.34	999
			-7389	3.7C	999
			-7390	2.57	999
			-7391	2.8	999
			-7392	2.04	999
			-7393	2.19	999
			-7394	9.63	999
Merrimelia-5	134	Tociacher	-7395	9.1	999
(Santos)			-7397	10.02	999
			-7398	11.41	999
			-7399	11.48	999
			-7400	9.91	999
			-7401	11.55	999
			-7402	11.62	999
			-7403	10.55	999
			-7410	8.25	999
			-7412	5.29	999
			-7416	10.02	999
			-7417	12.07	999
			-7418	10.5	999
			-7422	8.32	999
			-7425	8.47	999
			-7425	10.33	999
			-7426	10.12	999
			-7426	9.84	999
			-7428	8.23	999
			-7429	9.92	999
			-7430	8.37	999
			-7432	13.88	999
			-7433	12.03	999
			-7433	13.56	999
			-7434	14.54	999
			-7434	14.02	999
			-7435	14.75	999
			-7360	7.9	0.35
			-7364	7.4	0.23
			-7367	10.5	1.55
			-7368	12.1	2.2
			-7390	0.9	0
			-7396	12.6	0.28
			-7402	10.5	1.2
			-7411	6.5	0.15
			-7414	12.7	0.25
			-7418	8.8	0.46
			-7434	10.6	16.5
			-7439	8.38	999
			-7440	5.85	999
			-7441	9.43	999
			-7442	5.04	999
			-7443	7.29	999
			-7444	11.14	999

			-7445	10.93	999
			-7446	10.93	999
			-7446	12.37	999
			-7447	10.48	999
			-7448	11.94	999
			-7448	5.63	999
			-7449	11	999
			-7449	13.11	999
			-7453	13.6	3.26
			-7456	22.6	0.29
			-7486	14	34
Merrimelia-5 (Santon)	134	Toxolachee	-7450	12.98	999
			-7450	11.03	999
			-7451	11.69	999
			-7451.5	11.21	999
			-7452	12.63	999
			-7452.5	11.37	999
			-7453	12	999
			-7454	7.27	999
			-7454.5	10.95	999
			-7455	11.62	999
			-7455.5	14.16	999
			-7456	13.22	999
			-7457	12.92	999
			-7458	12.55	999
Merrimelia-5 (Santon)	134	Tirrawarra	-7638	22.5	34
			-7692	20.8	60
			-7697	12.2	11
			-7700	10.5	0.65
			-7705	13	1.5
			-771C	12.1	5.2
Merrimelia-5 (Santon)	134	Tirrawarra	-7686	13.18	999
			-7687	12.22	999
			-7687	18.34	999
			-7688	14.81	999
			-7688	13.58	999
			-7689	18.64	999
			-7690	12.34	999
			-7690	11.64	999
			-7690	9.95	999
			-7691	8.81	999
			-7692	11.55	999
			-7692	14.59	999
			-7693	17.32	999
			-7693	19.75	999
			-7694	11.69	999
			-7694.5	14.23	999
			-7695	18.1	999
			-7695	17.29	999
			-7696	16.8	999
			-7696	21.18	999
			-7697	14.61	999

			-7697	9.6	999
			-7698	9.74	999
			-7698	10.54	999
			-7699	8.71	999
			-7699	11.3	999
			-7700	11.71	999
			-7700	11.71	999
			-7701	11.12	999
			-7701	12.86	999
			-7702	11.42	999
			-7702	11.5	999
			-7703	11.89	999
			-7704	7.17	999
			-7704	12.07	999
			-7705	12.07	999
			-7705	13.11	999
			-7705	12.99	999
			-7706	11.48	999
			-7706	11.62	999
			-7708	10.91	999
			-7709	11.89	999
			-7710	11.51	999
			-7711	11.71	999
			-7711	11.51	999
			-7711.5	11.51	999
			-7712	11.82	999
			-7712	13.84	999
Merrimack 6	132	Murta/Namur	-5154	20.4	27
(Sanson)			-5155	17.4	0.92
			-5155	17.6	1.5
			-5156	20.2	1.3
			-5157	11.5	0.33
			-5158	17.8	0.34
			-5158	17.8	1.1
			-5159	14.7	0.29
			-5160	17.9	0.74
			-5161	17.7	0.74
			-5161.5	15.3	1.4
			-5163	13.8	0.041
			-5163	15.3	0.47
			-5165	14.2	0.14
			5166	14.7	0.14
			-5167	12.2	0.12
			-5168	11.3	0.03
			-5169	15	0.13
			-5170	16.6	0.37
			-5171	10	0.061
			-5173	11.8	0.015
			-5174	18.1	0.071
			-5175	13.3	0.01
			-5178	16.6	0.11
			-5180	9.9	0.06
			-5181	11.6	0.3
			-5183	12.5	0.41

-5184	13.9	0.18
-5185	12.8	0.18
-5186	14.1	0.036
-5187	13.7	0.03
-5190	13.4	0.56
-5190	8.8	0.092
-5192	17	0.29
-5195	11.1	0.38
-5196	11.7	0.61
-5198	11	0.1
-5199	11	0.22
-5201	11.2	0.03
-5204	11.5	0.04
-5206	11.5	0.3
-5208	11	0.13
-5221	10.4	0.22
-5229	9.1	0.061
-5234	16.1	0.11
-5238	17.3	0.26
-5240	19.1	6.6
-5241	15.9	7.6
-5242	15.4	2.8
-5243	16.7	3.7
-5245	21.6	11
-5246	16.6	3
-5247	20	2.9
-5248	20.5	237
-5249	21.2	189
-5250	21.8	233
-5251	20.4	269
-5252	21.4	221
-5253	21.3	165
-5255	20.1	279
-5256	22.2	263
-5257	18.9	102
-5258	19.8	212
-5259	22.3	364
-5260	22.6	320
-5261	20.6	200
-5263	23.6	149
-5264	21.3	201
-5265	20.3	538
-5266	20.2	318
-5268	20.6	493
-5269	19.9	291
-5271	21.3	164
-5272	19	112
-5273	18.8	0.96
-5274	18.4	39
-5275	21.5	647
-5276	21.8	537
-5277	24.3	442
-5278	21.1	460
-5279	22	565
-5280	21.6	320

			-5282	21.2	363
			-5283	23	331
			-5284	23.4	149
			-5285	22	211
			-5286	18.7	99
			-5288	21.8	181
			-5288	21.4	163
			-5289	19.5	224
			-5290	19.8	461
			-5291	22.6	920
			-5292	20.9	176
			-5294	22.6	411
			-5295	19.4	383
			-5296	19.2	372
			-5297	22	274
			-5299	19.4	313
			-5300	24.4	250
			-5301	21.9	258
			-5302	20.4	289
			-5303	19.1	257
			-5305	16	0.6
			-5306	17.6	9.2
			-5307	21.1	225
			-5308	15.8	376
			-5310	21.3	200
			-5311	23.9	265
			-5312	18.3	247
			-5314	22.5	337
			-5315	22.3	534
			-5316	22.1	509
			-5318	20.9	506
			-5319	21.7	532
Merrimack-6	132	Nappameri	-6970	4.2	0.069
(Sanion)			-6972	7.1	0.12
			-6973	7.1	0.12
			-6974	5.5	0.04
			-6976	8.4	0.18
			-6977	8.9	0.18
			-6979	6.9	0.15
			-6980	8.5	0.18
			-6981	7.3	0.069
			-6983	7.9	0.15
			-6984	9.6	0.31
			-6985	11.4	0.38
			-6986	9.3	0.38
			-6987	9.3	0.25
			-6989	9	0.23
			-6990	8.3	0.12
			-6992	10.1	0.34
			-6993	11.1	0.93
			-6994	13.7	5.6
			-6995	10.3	2
			-6996	13	1.5
			-6998	11.1	0.55

			-6999	19.1	164
			-7001	17.7	95
			-7002	12.2	6.2
			-7004	18.6	68
			-7005	17.3	97
			-7007	8.4	0.29
			-7008	9.1	0.15
			-7009	13	3.9
			-7011	21.7	36.3
			-7012	21.5	446
			-7014	17.2	39
			-7015	13.8	2.4
			-7017	22.3	481
			-7018	12.1	103
			-7019	16.3	35
			-7020	22.6	271
			-7022	18.1	193
			-7023	20.8	296
			-7025	10.3	0.46
			-7026	9.3	0.39
			-7028	9.2	0.81
			-7029	12.3	3.1
Merrimelia-7 (Santos)	147.7	asad Jurassic	-6989	11.9	39.9
			-6998	5.4	1
			-6999	6.4	1
Merrimelia-7 (Santos)	147.7	Nappameri	-7000	6.7	1
			-7001	7.4	1
			-7002	7.6	1
			-7003	8.3	1
			-7005	7.4	1
			-7008	5.4	1
			-7009	3	1
			-7022	8	1
			-7024	7	1
			-7025	6	1
			-7027	6.9	1
			-7029	8.7	1
			-7030	7.4	1
			-7031	6.6	1
			-7032	6.6	1
			-7034	8	1
			-7035	8.5	1
			-7064	22.3	31.3
			-7066	15.1	10
			-7067	17.7	43.7
			-7068	17.1	11.3
			-7069	17.4	97.1
			-7071	20	60.9
			-7073	7.4	1
			-7074	7.2	1
			-7076	8.8	1
			-7077	9.6	1
			-7079	9.8	1

			-7081	12.7	1
			-7082	13	1
			-7083	9.5	1
			-7085	10.7	1
			-7087	12.3	1
			-7088	9	1
			-7090	10	1
			-7107	15.6	5.8
			-7108	14.2	7.5
			-7109	11.7	1
Merrimelia-7 (SADME)	147.7	Nappamerri	-7072.5	14.4	28.1
			-7077.5	18.2	84.4
			-7079	17	35.7
			-7081.5	6.5	0.036
			-7084.5	10.2	0.087
			-7087	8	0.041
			-7088.5	10.2	0.267
			-7090.5	8.6	0.068
			-7092	4.7	0
			-7093	8.6	0.088
			-7096.5	7.8	0.051
			-7097	6.4	0.003
			-7097.5	6.8	0.23
			-7115.5	16.1	13.6
			-7119.5	3.4	0
Merrimelia-8 (Santon)	153.86	Namur	-5259	14.4	1
			-5260	15.9	12.5
			-5262	18.6	11.8
			-5263	16.9	20
			-5268	17.6	7.7
			-5270	19.1	450
			-5272	17.1	3640
			-5274	20.2	387
			-5276	21.3	695
			-5278	20.7	1309
Merrimelia-8 (Santon)	153.86	Hanson	-6153	15	221
			-6159	13	21
			-6161	12.9	4.1
			-6163	11.4	2.4
			-6165	20.7	1555
			-6171	19.9	316
			-6174	20.6	631
			-6180	21	659
			-6183	21.8	541
			-6187	17.8	332
			-6191	18.4	36
			-6195	17.9	320
Merrimelia-8 (Santon)	153.86	Nappamerri	-7054	11	1
			-7056	9.2	1.3
			-7059	12.9	4.3
			-7060	10.2	2.3



			-7062	10.7	1.3
			-7063	17	8.5
			-7066	15	5.4
			-7069	13.4	6.7
			-7085	10	1
			-7087	20.3	538
			-7089	17.1	516
			-7094	8.8	1
			-7099	13.3	4.3
			-7101	12.4	3.6
			-7103	11.5	2.7
			-7110	7.7	1
			-7130	5.9	1
			-7131	5.2	1
Merrimelia-15	142.85	Nappamerri	-7066	9.5	0.148
(Santon)			-7067	7.7	0.05
			-7069	9	0.085
			-7071	9.1	0.07
			-7073	9.2	0.088
			-7075	9.3	0.31
			-7077	7.8	0.053
			-7078	7.9	0.056
			-7080	9.4	0.14
			-7083	8	0.098
			-7084	9.3	0.16
			-7086	8	0.076
			-7088	11.4	2.8
			-7089	9.1	0.22
			-7091	11	2.5
			-7093	7.7	0.059
			-7095	11.2	3.8
			-7097	6.2	0.076
			-7097	8.3	0.19
			-7099	9.6	0.13
			-7100	8.5	0.087
			-7102	7.7	0.5
			-7103	9.9	0.25
			-7105	7.7	0.058
			-7107	9.6	0.12
			-7108	10	0.16
			-7109	3	0.014
			-7111	8.5	0.12
			-7111	14.4	73
			-7115	13.2	27
			-7117	16.5	78
			-7120	17.1	766
			-7125	11.9	1.5
			-7127	14	6.4
			-7129	14.2	9.1
			-7131	13.3	3.7
			-7136	9.8	0.53
Moomba-1	123	Toolachee	-7604	8.9	0.4
(Santon)			-7608	7.8	0.1

			-7631	5.4	0.3
			-7805	9.4	6.2
			-7806	12.4	25
			-7807	11.9	19
			-7808	13.8	8.6
			-7809	13.6	15
			-7814	5.8	0.1
			-7815	4.5	0.3
			-7816	5.4	0.1
			-7817	5.8	0.1
			-7818	6.5	0.4
			-7819	7.1	0.1
			-7820	6.3	0.6
			-7821	6.2	0.4
			-7822	5.6	0.1
			-7823	7.5	0.8
			-7824	8	0.6
			-7825	6.1	0.6
			-7826	5.8	0.3
			-7827	9	0.1
			-7828	8.1	0.6
			-7829	8.8	0.8
			-7832	4.3	0.1
			-7833	4.9	0.1
			-7834	6	0.1
			-7835	7.2	0.6
			-7836	7.5	0.4
			-7837	8.9	0.3
			-7838	9.1	0.6
			-7839	9.1	0.1
			-7840	7.1	0.7
			-7841	9.4	0.4
			-7842	7.4	0.3
			-7843	10.8	0.1
			-7844	6.9	0.1
			-7845	9.5	1
			-7846	9.5	0.6
			-7847	10.3	0.7
			-7848	9.4	0.8
Moomba-1 (NCPGG)	123	Tuolachee	-7606	8.3	2.97
			-7612	6.2	0.013
			-7623	2.9	0.005
			-7645	3.6	0.001
			-7647	0.8	0.001
Moomba-1 (NCPGG)	123	Daralingie	-7849	3.9	0.015
			-7891	8	0.154
			-7976	5.7	0.013
Moomba-1 (Santos)	123	Daralingie	-7856	5.6	0.1
			-7857	8	0.6
			-7858	8	1.7
			-7859	9.9	1
			-7860	3.9	0.1



-7877	9.5	0.4
-7878	8.1	0.3
-7879	9	1.2
-7880	5.9	0.4
-7881	5.5	0.4
-7882	12.2	1.2
-7883	12	0.1
-7884	11.8	2.5
-7885	9.3	1.9
-7886	12	2.2
-7887	12.6	1.7
-7888	11.6	3.4
-7889	11.3	1.3
-7890	13.6	2
-7891	11.6	1.3
-7892	10.8	1.2
-7893	8.1	2
-7894	11	0.8
-7911	11.2	1
-7912	8.6	1
-7913	12.4	3.6
-7925	4.1	0.6
-7926	9.6	0.7
-7927	9.3	0.3
-7928	7.8	1.9
-7929	10.3	1.9
-7930	8	0.8
-7931	8.8	0.8
-7932	12.5	0.7
-7944	9.1	0.7
-7945	8.8	0.7
-7946	8.1	0.7
-7949	6.7	0.7
-7950	9	0.7
-7951	9.6	0.8
-7952	8.8	6.9
-7966	15.7	4.9
-7967	13.1	2.2
-7968	9.7	1
-7969	10.4	0.8
-7977	10.9	0.1
-7978	9.2	1.6
-7979	11.2	0.8
-7980	10.6	1.6
-7981	10.5	1.6
-7982	10.9	1.2
-7983	11.1	--
-7986	12.8	1.7
-7987	10.9	2.5
-8002	7.8	0.7
-8003	8	0.3
-8006	4.8	0.1
-8007	0.1	0.1
-8008	5.7	0.1
-8009	1.5	5.1

			-8010	3.7	0.3
			-8014	3.8	1.6
			-8015	10.8	0.8
			-8016	9.3	1.3
			-8017	6.6	0.3
			-8018	6.5	0.1
			-8019	8.2	0.1
			-8020	8.5	0.1
			-8021	10.5	0.3
			-8022	9.6	0.3
			-8023	5.2	0.3
			-8024	8.4	0.1
			-8025	7.5	0.1
			-8054	8.8	0.7
			-8078	4.6	0.1
			-8079	9.9	0.3
			-8080	9.5	1
			-8081	2.3	0.1
			-8082	7.9	0.1
			-8083	11.5	0.8
			-8084	12.7	1
			-8085	13.2	0.8
			-8086	9.7	0.3
			-8087	1.5	0.1
			-8088	7.1	0.1
			-8091	7.1	0.1
			-8096	6.5	0.7
			-8099	7.3	4.5
Moomba-3 (NCPGG)	152	Toolachee	-7755	4.2	0.005
			-7786	3.4	0.004
			-7881	7.2	0.201
			-7892	9.4	3.21
			-7912	7.9	3.93
			-7924	6.7	0.181
			-7923	5	0.013
			-7951	8.7	1.86
			-7982	8.9	9.4
			-7998	5.5	0.009
			-8011	6.1	0.03
			-8016	1.6	9.34
			-8045	5.3	0.084
			-8051	3.9	0.013
			-8054	7.4	0.027
			-8083	10.8	2.79
			-8086	8.1	0.035
			-8099	1.2	0.003
Moomba-4 (Santos)	120	Toolachee	-7832	4.9	0.1
			-7833	6.9	0.1
			-7887	7.6	0.1
			-7888	8.5	0.3
			-7889	9.6	0.1
			-7890	9.3	0.1
			-7891	9.9	0.4



			-8057	9.8	0.1
			-8058	6.6	0.1
			-8059	7.4	0.1
			-8060	9.7	0.3
			-8061	8.4	0.7
			-8062	9	0.1
			-8075	5.1	0.1
			-8076	5.1	0.3
			-8077	6.4	0.1
			-8078	8.3	0.1
			-8079	10.5	0.1
			-8080	10.9	1.3
			-8081	9.2	0.3
			-8082	11.5	3.4
			-8083	10.4	0.3
			-8084	11.3	0.4
			-8085	9.1	0.1
			-8086	9.3	0.7
			-8087	7.4	1
			-8103	16.3	8
			-8104	10.7	11
			-8105	16	6.5
			-8106	9.8	0.4
			-8107	11.6	16.3
			-8108	6.7	0.1
			-8109	5	1
			-8120	6	0.1
			-8168	5.8	0.1
			-8169	6.1	0.1
			-8170	5.6	0.1
			-8171	4.4	0.1
			-8172	4.3	0.1
			-8217	5.4	0.1
			-8220	6.6	0.1
			-8223	6.8	0.1
			-8224	4.2	0.1
			-8225	5.8	0.1
			-8227	6.8	0.1
			-8229	5.1	0.1
			-8230	6.2	0.1
			-8231	4.3	0.1
			-8028	7.2	0.1
			-8029	6.9	0.3
			-8033	9.1	0.3
			-8034	9	0.5
			-8058	8	0.1
			-8059	10.4	0.7
			-8060	8.6	0.1
			-8061	6.1	0.1
			-8062	6.1	0.1
			-8063	10.7	0.3
			-8064	6.8	0.1
			-8065	9.6	0.4
			-8066	10.8	0.1
Moxomba 6 (Santos)	166	Tuolachee			

-8067	10.1	2.2
-8068	11.6	1.6
-8081	13.4	1
-8082	12	1.9
-8086	13.4	3
-8152	9.5	0.3
-8153	10.5	0.3
-8154	11.3	0.4
-8156	10.9	2.7
-8157	12.6	10
-8158	13.2	25
-8159	12.3	3.5
-8160	10.6	1.1
-8162	12.7	1.9
-8163	12.2	1.8
-8164	12.6	3.3
-8166	10.7	0.7
-8202	6	0.1
-8213	6.2	0.1
-8214	8.6	0.3
-8215	9	0.3
-8216	9.7	0.3
-8217	8.9	0.1
-8218	8.1	0.4
-8219	9.8	1.4
-8220	11.4	0.3
-8221	10.4	0.1
-8222	10.1	0.1
-8230	10.9	0.8
-8231	10.3	0.1
-8232	10.1	0.3
-8233	11.9	1.4
-8234	12.4	2.9
-8235	12.8	26
-8236	15.7	109
-8237	16.3	24
-8247	10.1	0.4
-8248	11.3	0.1
-8249	10.2	5.1
-8250	9.4	0.4
-8251	13.9	5.7
-8252	13.6	1.3
-8253	10.5	1.9
-8254	10.1	2.4
-8255	12.2	3.2
-8256	12.7	1.6
-8257	11.9	1
-8258	12.2	3
-8259	12.2	1.6
-8260	6.1	1.1
-8265	4.9	0.1
-8273	8.7	0.5
-8324	8.7	0.3
-8325	9.3	0.3
-8326	9.4	0.3



			-8327	9.3	1.1
			-8328	6.1	0.3
			-8329	9.2	0.8
			-8330	10.6	0.4
			-8331	10.9	0.4
			-8332	10.9	0.3
			-8333	9.9	0.5
			-8334	8.7	0.3
			-8335	9.9	0.3
			-8336	10.7	0.7
			-8337	10.2	0.3
			-8338	9.9	0.3
Moxamba 6 (NCPGG)		Toolachee	-8287	5.6	0.031
			-8152	7.7	4.19
			-8068	10.3	0.963
Moxamba 6 (Santos)	166	Daralingie	-8354	4.3	0.1
			-8355	4	0.1
			-7356	2.8	0.1
			-1384	6.2	0.1
			4385	9.6	0.8
Moxamba 6 (NCPGG)	166	Daralingie	-5355	3.9	0.019
Moxamba 6 (Santos)	166	Pachawarra	-9024	19.8	10
			-9025	16.4	88
			-9026	12.2	4.6
			-9027	13.9	1.4
			-9028	7.3	0.4
			-9052	5.5	0.4
			-9053	4.4	0.1
			-9054	4.2	0.1
Moxamba-7 (Santos)	138	Toolachee	-8044	3.1	0.1
			-8045	4.9	0.1
			-8046	6.8	0.3
			-8047	7.5	0.3
			-8049	7.8	0.1
			-8050	6.2	0.3
			-8051	7.7	0.1
			-8052	7.2	0.1
			-8054	7.9	0.3
			-8055	10.6	0.5
			-8056	10.9	0.8
			-8057	9.9	0.7
			-8058	10.8	1.4
			-8059	10.5	1.6
			-8060	9.4	1
			-8061	8.7	0.8
			-8062	6.8	0.5
			-8063	7.4	0.5
			-8064	8.5	0.4
			-8065	9.1	0.4

			-8066	9.9	0.4
			-8067	10	0.8
			-8068	9.4	1
			-8069	8.5	1.1
			-8070	9.6	0.8
			-8071	8.4	0.5
			-8072	8.6	0.8
			-8073	9	1.1
			-8074	11	1.9
			-8075	9.7	1
			-8076	10.3	2.1
			-8077	10.4	1.6
			-8078	9.8	1.3
			-8096	5.6	0.5
			-8101	9.3	1.3
			-8102	12.2	4.6
			-8103	10.7	2.1
			-8122	8.1	0.8
			-8123	7.3	0.7
			-8124	5.3	0.3
			-8125	8.8	0.4
			-8126	8.4	0.5
			-8154	4.3	0.3
			-8155	4.6	0.7
			-8156	3.1	0.3
			-8169	5.9	0.4
			-8170	7.4	0.5
			-8171	3.5	1.1
			-8172	8.9	0.3
			-8173	8.1	0.4
			-8183	4.5	0.1
			-8184	7.4	6.6
			-8195	8	2.2
			-8186	6.3	0.5
			-8187	6.3	1.3
			-8188	4.8	2.2
			-8189	5.8	1.1
			-8190	8.4	2.4
			-8191	9.6	4.6
			-7765	12.8	61
			-7766	12	3.1
			-7773	8.8	0.1
			-7774	7.4	0.1
			-7775	8.1	0.1
			-7776	9.1	0.4
			-7777	8.6	0.3
			-7778	9.1	0.2
			-7779	9.5	0.5
			-7780	8.2	0.1
			-7781	9.3	0.2
			-7782	8	0.5
			-7783	12.6	0.7
			-7784	11.2	21
			-7785	14.4	81
Moxomba-4 (Santon)	115	Tuolachee			



-7870	7.5	0.1
-7871	5.3	0.1
-7872	12.3	0.5
-7873	13.4	1
-7874	10.5	0.3
-7875	12.6	1.2
-7876	7	0.2
-7880	6.2	0.1
-7881	10.1	0.1
-7882	9.7	0.1
-7883	6.3	0.1
-7884	7.7	0.1
-7885	8.3	0.1
-7886	10.6	0.1
-7887	11.3	0.2
-7888	8.4	0.1
-7889	9	0.1
-7890	10.8	0.2
-7891	8.5	0.1
-7892	9	0.1
-7893	11.4	0.1
-7894	10.4	0.2
-7895	11.1	0.2
-7896	8	0.1
-7897	7.6	0.1
-7898	6.9	0.1
-7899	6.5	0.2
-7900	4.2	0.1
-7901	7.2	0.1
-7908	9.4	0.1
-7909	7.4	0.1
-7910	8.4	0.1
-7911	8.2	0.1
-7912	11.4	0.1
-7913	9.3	0.1
-7914	7.7	0.1
-7915	9.1	0.3
-7916	10.6	0.4
-7917	16.2	37
-7918	14.2	11
-7919	12.1	2.9
-7920	17	54
-7921	14.4	8
-7922	9.9	0.1
-7923	5.6	0.1
-7924	7.8	0.1
-7925	7.4	0.1
-7939	7	0.1
-7940	3.7	0.1
-7941	3.9	0.1
-7942	2.9	0.1
-7943	3.2	0.1
-7944	4	0.1

Muomba-9 132 Toolachee -7776 8.3 0.6

(Sanion)

-7777	5.3	1.1
-7776	8.5	0.1
-7779	9.9	1.5
-7780	10.4	1.5
-7781	9.9	2.6
-7782	9.7	1.1
-7783	10.5	2
-7784	11.4	2
-7785	6.2	4.4
-7786	7.1	4.8
-7787	10.6	1.4
-7787	8.3	3.6
-7811	8.2	0.1
-7813	8.6	0.3
-7814	10.1	1
-7816	12.7	4.3
-7817	8.8	1
-7819	12.2	3.3
-7820	9.2	7.8
-7822	10.5	3.3
-7823	11.8	0.6
-7836	8.9	0.3
-7840	9.7	0.7
-7841	10.7	1.5
-7843	13.7	2.1
-7844	14	26
-7849	19	438
-7851	16.9	22
-7853	14.9	3.9
-7854	11.1	2.2
-7856	11.9	1
-7857	8.4	2.3
-7859	10.2	3.3
-7860	10.3	1.4
-7862	10.4	0.6
-7863	14.2	1.8
-7864	9.9	1
-7865	8.3	1.5
-7867	10.7	1.1
-7868	9.2	0.9
-7869	11.1	4.8
-7870	15.2	10
-7877	9.4	0.3
-7878	9.7	0.9
-7879	12.6	0.6
-7880	11.6	1.3
-7881	14.3	3.1
-7882	11.5	1.4
-7907	6.9	0.9
-7908	9.3	1.3
-7909	12.7	1.1
-7910	13.1	3.7
-7968	6.4	0.3
-7969	10.1	0.7
-7971	11.8	1.4

			-7972	8.1	0.6
			-7973	12.5	2.7
			-7974	12.3	3.1
Mocamba-9 (NCPGG)	132	Toolachee	-7696	4.2	0.007
			-7788	11.3	1.12
			-7852	13.3	20.3
			-7869	11.4	0.488
			-7906	8	0.573
			-7918	4	0.007
			-7975	9.8	1.13
Mocamba-10 (Santos)	131.6	Toolachee	-7613	10.5	0.5
			-7611	6.6	0
			-7615	6.9	0
			-7725	12.1	0.5
			-7726	10.7	0.5
			-7726.5	11.1	0.5
			-7727	10.9	0.5
			-7728	7.4	0
			-7729	9.1	0
			-7730	9	0
			-7732	7.5	0
			-7734	8.3	0
			-7737	10.3	1.5
			-7739	12.9	5.1
			-7756	11.9	6.5
			-7757	17.8	130
			-7758	11.9	0.5
			-7759	13.6	34.9
			-7760	17	25.5
			-7761	15.5	56.6
			-7762	19.4	342
			-7763	9.1	0
			-7768	10.8	0.5
			-7768	12.7	5.2
			-7769	12	2.3
			-7769	11.6	2.57
			-7770	12.9	3.44
			-7771	13.2	4.4
			-7772	13.4	36.3
			-7773	15.5	97
			-7773	13.7	25.8
			-7774	15.8	64.6
			-7775	17.3	371
			-7775	17.5	434
			-7776	13	63.4
			-7776	9.8	0.9
			-7777	12.1	41.6
			-7778	13.4	4.3
			-7778	10.7	5.55
			-7779	17.2	92.8
			-7780	14.4	205
			-7780	13.6	100
			-7784	1	0

			-7786	1	0
			-7787	5	0
			-7789	3.4	0
			-7791	4.4	0.01
			-7792	6.1	0
			-7792	8.9	0.02
			-7794	8.8	0
			-7795	9.3	0.96
			-7796	14.4	3.2
			-7796	10.6	1.36
			-7798	13.2	3.1
			-7798	11.2	3.77
			-7799	13.4	1.5
			-7800	15.3	23
			-7800	12.6	6.69
			-7801	16.8	95
			-7802	13.3	53.4
			-7814	9.2	0
			-7815	7.3	0
			-7817	11.2	0.5
			-7819	7.5	0
			-7820	13.1	0.5
			-7821	13.7	718
			-7822	12	3.6
			-7823	17.2	26.7
			-7824	16.1	99.4
			-7825	14.1	2.4
			-7826	13.5	2.9
			-7827	9.8	4.2
			-7828	14.2	2.3
			-7829	13.7	2.1
			-7830	11.7	1.8
			-7839	5.6	0
			-7841	10.4	0.5
			-7842	12.3	0.5
			-7843	11.6	0.5
			-7844	12.8	0.5
			-7770	12.3	999
			-7771	13.4	999
			-7774	14.2	999
			-7776	18.1	999
			-7777	10.4	999
			-7778	12.4	999
			-7779	11.3	999
			-7781	14.2	999
			-7785	1.1	999
			-7787	1	999
			-7788	5.3	999
			-7790	3.5	999
			-7792	4.8	999
			-7793	6.5	999
			-7794	9.5	999
			-7796	9.6	999
			-7797	10.8	999
Moomba-10	131.6	Toolachee			
(SADME)					

			-7799	11.7	999
			-7801	13.2	999
			-7803	14	999
Moomba-15 (Santos)	145	Daralingie	-8120	2.5	0.1
			-8154	2.2	0.1
			-8164	6.4	0.1
			-8169	6.5	0.2
			-8170	3.1	0.9
			-8172	4.3	0.2
Moomba-18 (Santos)	121.6	Daralingie	-8202	2.6	0.1
			-8203	19.6	185
			-8204	19.1	414
			-8205	16.9	70
			-8206	16.2	145
			-8207	18.7	226
			-8208	12.9	4.4
			-8209	10.4	0.9
			-8210	9.8	0.3
			-8211	8	0.3
			-8223	10.5	0.4
			-8224	13.2	0.4
			-8225	10.1	2.3
			-8226	6	0.2
			-8227	4.3	0.1
			-8228	10.4	0.5
			-8229	9.4	0.3
			-8230	6.1	0.1
Moomba-19 (Santos)	119.14	Daralingie	-8161	1	0.1
			-8161	999	0.1
			-8162	13.5	0.53
			-8162	999	157
			-8164	23.8	421
			-8164	999	671
			-8164	21.3	560
			-8164	999	816
			-8165	21.3	439
			-8165	999	781
			-8165	21.4	648
			-8165	999	1262
			-8166	22.6	280
			-8166	999	704
			-8167	21.5	174
			-8167	999	691
			-8167	21.7	331
			-8167	999	682
			-8168	19	31
			-8168	999	131
			-8168	15.9	9.1
			-8168	999	38
			-8169	14.6	2.8
			-8169	999	8.8
			-8169	15	1.2



			-8169	999	5
			-8169	13.9	0.98
			-8169	999	3.3
			-8170	.1.8	0.13
			-8171	11.1	0.1
			-8171	999	0.34
			-8171	9.6	0.1
			-8171	999	0.24
			-8172	8.8	0.1
			-8172	999	0.1
			-8172	9.7	0.1
			-8172	999	0.12
			-8182	4.6	0.1
			-8183	11.5	0.63
			-8183	999	1.1
			-8183	11.2	0.46
			-8183	999	0.94
			-8184	11.4	0.13
			-8184	999	0.67
			-8185	10.5	0.1
			-8185	999	0.58
			-8186	9.3	0.1
			-8186	999	0.34
			-8186	9.3	0.1
			-8186	999	0.3
			-8188	8.9	0.1
			-8188	999	0.68
			-8188	10.5	0.1
			-8188	999	0.52
			-8189	11.7	0.1
			-8189	999	0.26
			-8190	9.5	0.1
			-8190	999	0.29
			-8190	8.8	0.1
			-8192	8.1	0.1
			-8192	999	0.2
Moxomba-26 (Santos)	133	Pachawarra	-9341	5.2	2.6
			-9343	3	0.1
			-9345	2.2	0.1
			-9349	2.4	0.1
			-9355	2.2	0.1
			-9378	6.9	0.1
			-9379	6.1	42
Moxomba-27 (Santos)	176	Daralingie	-9699	5.3	0.1
			-9700	6.5	0.1
			-9701	7.6	0.1
			-9702	8.2	0.1
			-9703	7.6	0.1
			-9704	4.8	0.1
			-9737	3.2	0.1
			-9739	6.8	0.1
			-9741	5.4	0.1
			-9743	4.9	0.1

			-9747	7.7	0.1
Mocomba-45 (Santos)	137	Duralingie	-8151	19.5	60
			-8152	15.2	73
			-8153	18.8	122
			-8154	17.9	141
			-8155	20.4	365
			-8156	16.4	12
			-8157	12.8	4
			-8158	10.7	0.1
			-8159	8.1	0.04
			-8160	8.5	0.03
			-8161	3.6	0.01
			-8162	4	0.01
			-8163	2.9	0.01
			-8173	9.8	0.1
			-8174	9.2	0.4
			-8175	13.3	17
			-8176	14.8	12
			-8177	11	0.1
			-8178	8	0.07
			-8179	8.7	0.07
-8180	3.7	0.01			
-8181	3.4	0.01			
-8182	4.3	0.01			
Mocomba-45 (SADME)	137	Duralingie	-8153.5	19.1	179
			-8154.5	18.1	173
			-8156	18	127
			-8157	20	440
			-8157.5	19.2	186
			-8158	12	1.44
			-8158.5	13.2	4.62
			-8161.5	9.8	0.293
			-8166	5.4	0.221
			-8174	9.6	0.407
			-8175.5	12.5	7.09
			-8177	12.9	6.25
			-8177.5	13.5	10.2
			-8178	10	1.18
			-8179.5	9.2	0.616
Mocomba-46 (Santos)	141	Duralingie	-8046	17.3	102
			-8047	16.8	107
			-8048	20.7	340
			-8049	14.9	46
			-8050	19.2	159
			-8051	18.8	178
			-8052	19.8	247
			-8053	3.3	0.1
			-8054	9.5	0.3
			-8055	8.3	0.07
			-8056	5.5	0.05
			-8057	5.1	0.05
			-8058	2	0.02

			-8059	2.9	0.02
			-8069	16.9	30
			-8070	11.3	1.3
			-8071	13.7	0.05
			-8072	10	0.4
			-8073	10.2	0.3
			-8074	3.7	0.09
			-8075	1.2	0.09
			-8076	3	0.04
			-8077	3.3	0.03
			-8078	4.6	0.04
			-8079	1.8	0.02
Moomba-47	146	Daralingie	-8225	8.8	2.26
(Santos)			-8226	14.6	59
			-8226	13.8	15
			-8226	17.4	148
			-8228	16.8	121
			-8228	16.7	108
			-8229	16.4	97
			-8229	18.7	137
			-8230	16.3	40
			-8230	13.7	9.9
			-8231	12.3	23.5
			-8231	1.2	0.61
			-8232	11.4	0.9
			-8233	8.6	1.16
			-8233	7.6	1.13
			-8234	9.3	1.08
			-8234	7.7	0.32
			-8235	7.7	0.14
			-8236	5.1	0
			-8238	4.8	0.01
			-8239	4.9	0.01
			-8241	1.2	0
			-8242	0.6	0
			-8244	0.6	0
			-8245	3.6	0.01
			-8247	4.2	0.01
			-8247	11.1	0.3
			-8248	9.2	0.64
			-8249	6.3	0.03
			-8249	8.7	0.16
			-8250	4.8	0.02
			-8251	9.4	0.11
			-8252	8.6	0.19
			-8253	7.1	0.02
			-8253	8.1	2.1
			-8254	7.4	0.03
			-8255	6	0.01
			-8257	1.3	0
Moomba-47	146	Daralingie	-8225.5	9.1	999
(SADME)			-8226.5	14.2	999
			-8228	17.3	999



-7836	2.9	0.39
-7837	11	0.47
-7838	10.2	0.82
-7839	10.3	0.35
-7840	9.7	1.4
-7841	9.3	1.8
-7842	8.8	0.19
-7843	10.6	0.62
-7844	9.9	3.9
-7845	10.5	5.7
-7846	11.3	5.7
-7847	10.9	4.3
-7848	11.4	3
-7849	13.4	22
-7850	10.6	0.66
-7851	9.4	0.15
-7852	5.5	0.06
-7855	8.2	0.06
-7857	8.6	0.04
-7858	9.2	0.18
-7859	9.6	0.22
-7860	9.2	0.17
-7861	9.2	0.09
-7862	6.2	0.09
-7863	7.7	0.47
-7864	9.5	0.77
-7866	9.7	0.22
-7867	8.9	0.02
-7874	6.8	0.6
-7875	10.6	15
-7876	11.8	15
-7878	11.2	44
-7879	11.5	33
-7880	12	28
-7881	11.9	30
-7890	4.6	0.01
-7892	9.7	0.31
-7893	9.8	0.29
-7894	10.3	0.47
-7895	10.4	0.71
-7897	10.1	0.5
-7898	8	1.3
-7899	11	3.4
-7900	10.6	5.9
-7901	11.6	4.3
-7903	12	11
-7905	11.6	5.3
-7906	11.7	14
-7907	9.2	32
-7908	9.1	0.44
-7912	1.6	0.04
-7913	4.6	0.03
-7914	4.6	0.02
-7916	7.4	0.04
-7917	7.1	0.04

			-7918	7.9	0.06
			-7920	8.1	0.05
			-7926	10	0.47
			-7927	8.5	1.8
Mxomba-52 (SADME)	156.23	Toolachee	-7845.5	9.6	4.52
			-7848	8.8	2.42
			-7848.5	10.4	3.58
			-7850.5	8.3	2.63
			-7851	12.3	4.77
			-7855	8.8	2.3
			-7856.5	8.9	0.763
			-7869	7.4	1.409
			-7874	10	2.55
			-7877.5	11.2	1.58
			-7885.5	10.4	6.26
			-7887	10.9	6.93
			-7913	10.5	1.9
			-7914.5	11.5	4.5
			-7916.5	9.4	3.61
			-7922	9.2	3.66
			-7928	5.9	0.311
			-7930	5.5	0.276
			-7932	7.2	0.505
Mxomba-53 (Santon)	170.86	Toolachee	-7811	3.2	0.01
			-7813	3.4	0.01
			-7815	5.6	0.11
			-7816	6.6	2.1
			-7817	7	0.11
			-7818	8.3	3.2
			-7819	5.5	0.13
			-7823	5.4	0.01
			-7824	7.2	0.06
			-7826	7.2	0.05
			-7827	8.2	0.1
			-7828	8.3	0.11
			-7829	8.2	0.14
			-7830	11.8	0.22
			-7832	10.3	5.4
			-7833	9	0.6
			-7834	9.1	0.23
			-7835	7.7	0.06
			-7836	9.4	0.4
			-7837	7.8	0.15
-7843	4.6	0.06			
-7846	7.7	3.21			
-7847	9.2	0.57			
-7848	10.1	0.91			
-7849	9.7	0.66			
-7850	10.7	7.3			
-7851	12.2	11			
-7852	9.8	10			
-7853	8.8	0.25			
-7854	10.7	2.1			

			-7856	12.7	13
			-7857	9.9	5.1
			-7858	11.6	5.2
			-7859	13	10
			-7860	9.4	0.27
			-7861	7.5	0.92
			-7862	9.4	0.5
			-7863	11.7	41
			-7864	9.8	1.7
			-7865	9.7	0.44
			-7866	3	0.02
			-7869	4.7	0.05
			-7944	6.9	0.05
			-7946	6.3	0.06
			-7947	7.6	0.1
			-7948	8	0.08
			-7949	8.3	0.1
Moomba-53	170.86	Tooslachter	-7836	9.7	1.09
(SADME)			-7837.5	8.9	2.53
			-7840	6.8	0.783
			-7855	9.3	3.6
			-7855.5	9.8	1.65
			-7856.5	10.3	2.19
			-7857.5	11.2	9.4
			-7858	8.8	6.03
			-7859.5	9.2	2
			-7864.5	11.5	10.2
			-7867.5	12.5	629
			-7869	11.6	25.8
Moomba-53	170.86	7Daralingie	-7950	6.9	0.1
(Sanson)			-7952	2	0.03
			-7953	5.7	0.04
			-7954	6.9	0.06
			-7956	7.2	0.06
			-7957	5.7	0.03
			-7959	2.4	0.03
			-7960	7	0.07
			-7961	6.7	0.08
			-7963	7.1	0.14
			-7968	2.3	0.03
			-7975	7.6	0.11
			-7977	4	0.04
			-7978	8.7	0.12
			-7979	9.7	0.22
			-7981	8.2	0.17
			-7982	7.5	0.08
			-7984	5.2	0.05
			-7986	9.2	0.43
			-7987	10.2	0.19
			-7988	8.1	0.15
			-7989	9.7	0.26
			-7990	7.2	0.27
			-7991	9.8	0.26

			-7992	9.6	0.27
			-7993	7.7	0.13
			-7994	9.1	0.19
			-7995	9.6	0.24
			-7997	9	0.21
			-7998	5.9	0.04
			-7999	5.9	0.04
Mcoomba-53 (SADME)	170.9	Daralingie	-7952.5	7.7	0.464
			-7955	7.2	0.409
			-7967	8.8	0.436
			-7983	9.5	0.413
			-7984	8.8	0.952
			-7986.5	9.3	0.542
			-7992.5	9.5	0.969
			-7995	10.3	1.29
			-7997	10.3	1.38
			-8000	10.1	1.34
			-8003	9.1	0.652
Mcoomba North-1 (Santon)	183.13	Toxolachee	-8141	11.1	2.1
			-8143	11.4	7.3
			-8144	11	2.8
			-8146	9.8	2.5
			-8147	6.6	0.13
			-8148	10.4	1.6
			-8150	10.6	2
			-8152	11.3	4.3
			-8154	12.3	4.2
			-8156	12.9	9.1
			-8158	12.5	7.6
			-8159	13.1	8.6
			-8161	13.3	7.4
			-8162	12.9	16
			-8164	14.3	22
			-8166	12	5.6
			-8167	11	2.5
			-8168	12.1	4.6
			-8168	10.4	1.8
Mcoomba South-1 (Santon)	119.66	Pachawarra	-9818	2.6	0.06
Moorari-1 (Santon)	142	Epsilon	-8917	8.5	1.8
			-8927	71	1.6
			-8934	8.6	1.4
			-8937	11.2	1.4
Moorari-1 (Santon)	142	Pachawarra	-9243	8.6	1.6
			-9244	12.8	2.6
			-9245	11.7	1.6
			-9247	11.1	3.9
			-9247.66	4	1
			-9255	8.7	2.5



			-9257	11.3	2.6
			-9264	12.2	2.9
			-9266	13.2	2.5
			-9268	14.6	2.5
			-9269	12.4	2.5
			-9270	13.1	2.1
			-9271	16.5	1.6
			-9272	10.1	1.6
Moxori-1 (Santon)	142	Tietawarta	-9595	11.5	3.4
			-9596	16.1	2.5
			-9597	12.6	2.1
			-9598	15.1	3.2
			-9599	15.6	1.8
			-9600	10.9	4.8
			-9601	14.8	3.7
			-9602	15.2	0.5
			-9603	16.2	0.1
			-9604	12	2.8
			-9605	12.2	1.6
			-9606	13	1.8
			-9607	11.9	2.5
			-9608	9.9	4
			-9609	11.9	2.3
			-9610	3.9	1.6
			-9611	3.1	0.3
			-9612	7.4	7.4
			-9613	5.4	2.9
			-9614	7.3	0.5
			-9615	7.5	4.6
			-9616	20.5	2.8
			-9617	13.7	2.3
			-9618	10.3	1.1
			-9619	9.7	0.3
			-9620	10.5	5.2
			-9624	10.7	0.6
			-9625	14	2.1
			-9626	14.4	2.8
			-9627	12.6	2.2
			-9628	9.6	3.6
			-9629	15.9	9.3
			-9630	6.9	2.6
			-9631	16.6	4
			-9632	6.4	1.9
			-9633	13.2	4.3
			-9634	11.1	2.5
			-9635	16	4.3
			-9636	15.2	5
			-9637	16.5	5.5
Moxori-5 (Santon)	155	Birkhead	-7060	12.7	0.343
			-7062	10.7	0.158
			-7064	14.1	0.305
			-7065	10.7	0.384
			-7066	9.7	0.089

			-7070	11.7	0.038
			-7072	6.1	0.006
			-7073	9.3	0.045
			-7074	11.3	0.163
Moorari-5	155	Tirrawarra	-9458.6	6.6	0.08
(Santon)			-9460	10.7	0.44
			-9461	12.5	1.5
			-9462	11.3	1.3
			-9463	11.9	0.79
			-9464	10	0.32
			-9465	11.3	0.91
			-9467	4	0.14
			-9468	7.6	0.45
			-9468.2	8.5	0.52
			-9473	7.6	0.34
			-9475	12.5	2.1
			-9476	14.9	5.9
			-9477	13	2.5
			-9478	11.5	0.9
			-9479	14	2.3
			-9480	12.4	2.3
			-9481	13.2	3.2
			-9488	15.7	13.3
			-9506	14.3	3.8
			-9507	12.7	2.4
			-9508	13.9	9.4
			-9509	14.9	27
			-9509.8	14.1	11
			-9510	9.7	0.43
			-9512	11.9	0.38
			-9513	10.9	12
			-9514	9.1	3.9
			-9515	7.7	1.5
			-9516	6	0.43
			-9517	10.7	0.25
			-9518	9.2	132
			-9519	12.1	2.9
			-9520	12.5	2
			-9521	7	0.37
			-9522	13.3	3
			-9523	13.6	1.8
			-9524	13.2	1.3
			-9525	10.1	0.66
			-9526	7.6	0.15
			-9527	10.5	1.9
			-9528	8.1	0.15
			-9530	12.1	1.5
			-9532	12.8	2.6
			-9533	12.6	3.4
			-9534	9.3	0.94
			-9535	10.8	1
			-9537	8.4	0.79
			-9538	10.5	1.2
			-9539	13.9	3.4

			-9540	14.7	8.4
			-9541	12.8	8.1
			-9542	9.3	0.22
			-9543	9.6	0.5
			-9544	11.5	0.44
			-9545	11.7	0.4
			-9546	11.3	19
			-9547	9.2	2.1
			-9549	8.9	0.33
			-9550	9.2	0.24
			-9551	9.8	1.6
			-9552	10.7	0.44
			-9553	10.6	1.1
			-9554	12.6	2.3
Madera i	146.81	Namur	-4962	17.9	1.9
(Santos)			-4963	17.8	4.4
			-4964	17.2	8.4
			-4965	18.4	27
			-4966	16.6	32
			-4967	14.2	0.65
			-4968	16.8	3.2
			-4969	16.1	1.7
			-4970	20.1	15
			-4971	18.2	2.6
			-4972	17.8	2.3
			-4973	13.7	0.97
			-4974	18.7	12
			-4975	18.5	3.4
			-4976	17.7	2.8
			-4977	16.4	2.2
			-4978	16.2	1.7
			-4979	15.8	2.8
			-4980	19.7	68
			-4981	18.9	6.9
			-4982	20.8	45
			-4983	19.9	47
			-4984	20.4	142
			-4985	19.9	50
			-4986	19.7	46
			-4987	18.4	51
			-4988	20.3	67
			-4989	19.6	78
			-4990	21	134
			-4991	20.9	86
			-4992	21	96
			-4993	20	89
			-4994	19.7	48
			-4995	20.6	90
			-4996	21.4	105
			-4997	20.7	103
			-4998	19	73
			-4999	21.6	133
			-5000	20.4	31
			-5001	21.3	36

			-5002	20.2	82
			-5003	20.3	56
			-5004	19.1	126
			-5005	14.6	38
			-5006	18.2	540
			-5007	19.5	156
			-5008	18.3	508
			-5009	18.7	491
			-5010	17.9	405
			-5011	19.5	154
			-5012	21	407
			-5013	22.1	685
			-5014	22	260
			-5015	18.9	472
Mudera-1 (Santos)	146.81	Pachawarra	-7004	3.4	0.002
			-7022	5.5	0.054
			-7033	7.4	17
			-7034	11	28
			-7036	7.8	5.2
			-7068	15	90
			-7069	15.5	109
			-7070	15.6	50
			-7071	15.8	236
			-7072	11.5	1.2
			-7073	10.4	0.32
			-7074	11.1	1.4
			-7075	13.2	11
			-7076	12.3	6.9
			-7077	13.9	2.2
			-7078	14.9	45
			-7079	13	1.3
			-7080	5.4	5
			-7081	12.4	22
Mudlake-2 (Santos)	202	Moxga	-5142	19.6	13.2
			-5152.5	17.3	23.2
			-5158	9.3	0.1
			-5162	11.5	204
			-5162.6	12.7	20.1
Mudrangie-1 (Santos)	146	Epsilon	-9060	12.1	0.2
			-9061	9.6	0.4
Mudrangie-1 (Santos)	146	Epsilon	-9058	4.4	999
			-9059	11.2	999
			-9060	10.4	999
			-9062	6.6	999
			-9063	6.1	999
			-9089	9.9	999
			-9089.5	9.2	999
			-9090	6.8	999
			-9090.5	8.6	999
			-9091	6.5	999
			-9091.5	6.3	999

			-9106	7.5	999
			-9107	4.3	999
			-9109	4.2	999
Mudrangie-1 (Santon)	146	Pachawarra	-9332	6.2	0.1
			-9337	7.5	0.1
			-9338	7.7	0.1
			-9340	5.4	0.1
			-9341	7.8	1
			-9345	4.4	0.1
			-9331	6.5	999
			-9331.66	7.6	999
			-9332	8.7	999
			-9332.5	5.3	999
			-9334	6.3	999
			-9336	6.6	999
			-9337	9	999
			-9337.5	7.9	999
			-9338	9.1	999
			-9338.5	8.3	999
			-9339	8.2	999
			-9340	9.3	999
			-9340.5	9.8	999
			-9341	10	999
			-9341.5	10.1	999
			-9342	9.9	999
			-9343.66	9.2	999
			-9344	8.8	999
			-9346	7.5	999
			-9347.5	5.7	999
			-9350	8	999
			-9335	9.8	999
			-9336	9.3	999
			-9337	10.6	999
			-9337.66	11.4	999
			-9338	9.4	999
			-9545	9.6	999
Mudrangie-1 (Santon)	146	Pachawarra	-9537	12.1	1.8
			-9540	15.6	2.9
			-9544	11.2	0.1
			-9545	11.4	0.1
Mudrangie-1 (Santon)	146	Tirrawarra	-10121	8.7	999
			-10122	10.6	999
			-10123	10.7	999
			-10124	11	999
			-10125	11.5	999
			-10126	10.8	999
			-10127	9.8	999
			-10128	11.6	999
			-10129	10.9	999
			-10130	12.1	999
			-10131	11.8	999
			-10132	11.9	999

			-10133	11.6	999
			-10134	8.4	999
			-10135	11	999
			-10136	10.3	999
			-10137	10.8	999
			-10138	12.6	999
			-10139	10.4	999
			-10140	11.6	999
			-10141	12.3	999
			-10142	11.1	999
			-10143	10.1	999
			-10144	10.8	999
			-10145	11.4	999
			-10146	11.5	999
			-10147	10.3	999
			-10148	10.5	999
			-10151	8.2	999
			-10152	8.1	999
			-10153	9.8	999
			-10154	8	999
			-10155	7.7	999
			-10156	8.5	999
			-10157	8.5	999
			-10158	7.9	999
			-10159	10.1	999
Munkari-1	294	Pachawarra	-7218	8.4	0.1
(Santon)			-7219	12.2	0.7
			-7220	10.8	0.7
			-7221	11.8	0.1
			-7222	12.4	0.4
			-7223	10.4	0.1
			-7224	14.5	9.3
			-7225	20.3	74
			-7225	17.8	7.3
			-7226	19.4	81
			-7227	14.8	27
			-7228	9.4	1
Munkari-4	304.60	Epsikon	-6791	11.9	1.4
(Santon)			-6793	11.4	1.5
			-6794	11.5	1.8
			-6795	11.2	0.69
			-6796	12.1	1.9
			-6797	11.7	1.5
			-6797	11.6	1.9
			-6799	12.3	2.9
			-6800	10.2	0.6
			-6801	11.6	1.8
			-6802	12.6	3.8
			-6803	11.9	1.8
			-6804	11.4	1.4
			-6805	11.6	1.3
			-6806	14.6	8.2
			-6807	13.4	4

-6808	16.7	67
-6810	14.4	64
-6811	10.3	2.4
-6812	7.3	0.022
-6812.66	7.7	2
-6813.5	7	0.057
-6814.66	5	0.036
-6815	0.5	0.006
-6817	5.2	0.02
-6818	6.8	0.04
-6819	2.1	0.019
-6820	1	0.35
-6821	4.6	0.041
-6822	7.5	0.64
-6823	8.5	0.22
-6824	5.7	0.014
-6825	7.7	0.063
-6827	6.9	0.02
-6827.25	7.6	0.036
-6828	3.1	0.011
-6829	2.4	0.008
-6830	6.6	0.035
-6831	7.1	0.022
-6832	4.1	0.021
-6833	4.2	0.029
-6834	2.1	0.006
-6835	6.3	0.017
-6836	6.8	0.05
-6837	5.7	0.019
-6838	6	0.021
-6839	5.7	0.023
-6840	5.3	0.022
-6841	3.4	0.015
-6842	6.7	0.04
-6843	6.3	0.065
-6844	5.4	0.017
-6845	0.7	0.008

Murree-1 (Sanon)	148	Toolack
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-5925	11.2	0.52
-5926	8.95	0.31
-5951	6.5	0.18
-5956	9.05	0.24
-5959	12.9	0.3
-5973	9.05	0.62
-5974	11.2	0.68
-5975.5	15.15	4.5
-5976	13.3	2.5
-5977	7.45	0.44
-5978	13.3	3.7
-5579	14.9	12.6
-5580	15.95	215
-5580	14.6	48
-5982	14.15	9.8
-5983	16	35

Murrese-1	148	Toxolachee	-6093	17.8	56.6
(NCPGG)			-6095	13.8	10.3
			-6116	8	999
Nappacoongee-2	301.38	Winton	-2013	20.9	999
(Santon)			-3016	26.8	999
			-3026	27.3	999
			-3092	9.3	999
			-3195	11	999
			-4012	24.6	999
			-4025	26.8	999
			-4052	28.1	999
			-4303	25.8	999
			-4309	26.9	999
			-4362	24.8	999
			-4473	22.7	999
			-4478	10.2	999
			-4500	6.1	999
			-4517	24.9	999
			-4553	20.3	999
			-4595	25.4	999
			-4659	24.5	999
			-4736	29.2	999
			-4781	17.2	999
			-4814	6.7	999
			-4823	11.8	999
			-4848	19.1	999
			-4910	20.7	999
			-4971	27.1	999
			-5009	35.8	999
			-5072	12.7	999
			-5320	21.4	999
			-5320	21.4	999
			-5321	24.1	999
			-5323	25.9	999
			-5325	23.6	999
			-5375	24.1	999
			-5377	27.9	999
			-5378	21.2	999
			-5379	31.5	999
			-5380	29.4	999
			-5381	36.8	999
			-5387	38.9	999
			-5388	35.8	999
			-5390	15.7	999
			-5396	13.3	999
			-5540	18.5	999
			-5684	19.9	999
Nappacoongee-2	301.38	Birkhead	-5352	7.9	0.043
(SADME)			-5353	11.3	1.5
			-5355	9.9	0.282
			-5356	15.5	472
			-5357	14.9	91
			-5358	15.4	109



			-5359	6.3	0.164
			-5360	5.5	0.128
			-5363	13	301
			-5366	12.5	289
			-5366	8.3	14.3
			-5367	9.4	3
			-5368	5.4	0.492
			-5369	6.7	0.096
			-5369	6.9	0.04
			-5370	7.1	0.041
Nugaroo-1	116.68	Namur	-4142	23.5	119
(Santos)			-4143	22.8	54
			-4144	19.4	35
			-4145	23.7	334
			-4147	12.5	0.53
			-4150	17	15
			-4152	19	16
			-4154	12.8	3.7
			-4156	20.7	227
			-4158	18.3	889
			-4161	11.3	0.057
			-4164	14.6	26
			-4166	23.6	769
			-4167	23.7	403
			-4169	22.6	450
			-4171	24.8	951
			-4173	22	465
			-4175	24.2	415
			-4177	24.5	521
			-4181	14.2	2.9
			-4185	22.6	325
			-4187	16.4	5.4
Packsaddle-1	442	Pachawarra	-8952	16	4.3
(Santos)			-8954	21.2	1.2
			-8962	18.1	7.3
			-8968	18.3	8.6
			-9760	24.3	0.8
			-9878	14.6	0.1
Packsaddle-2	310	Terawarra	-8576	12.5	2.7
(Santos)			-8577	10.9	0.7
			-8578	11.3	1.6
			-8579	8.1	0.1
			-8580	11.6	1.1
			-8581	11.1	2.4
			-8582	12	1
			-8583	11.5	2.1
			-8584	11.7	3.3
			-8585	10.1	0.1
			-8586	11.4	1.7
			-8587	11.2	1.8
			-8588	14.3	4.7
			-8589	14.2	4.6

Pöytäsalin-3 (Sanson)	437.09	Merrimelia	-7202	8.8	0.4
			-7203	6.7	0.06
			-7204	9.2	0.1
			-7206	9.6	0.52
			-7207	9	0.45
Pelketa-1 (Sanson)	182	Pachawarra	-7074	6.1	0.1
			-7076	4.4	0.1
			-7083	4.6	0.1
			-7086	5.9	0.1
			-7090	5	0.1
			-7091	6.4	0.1
Pinna-1 (Sanson)	114	Pachawarra	-6379	15.4	2.5
			-6356	16	13
			-6388	15.9	5.8
			-6390	16.1	15
			-6393	13.9	12
			-6395	14.2	2
			-6397	14	1.2
			-7728	9	0.122
			-7730	5.3	0.123
			-7731	5.4	0.17
			-7732	13.4	2.85
			-7733	12	0.871
			-7734	8.4	0.226
			-7735	11.5	0.529
			-7736	11.6	0.511
			-7737	11.9	0.4
			-7738	9.7	0.497
			-7740	11.6	0.914
			-7742	9.3	0.092
			-7743	12.3	1.026
			-7745	11.7	0.386
			-7746	10.9	0.617
			-7748	11.2	0.433
-7749	11.7	6.08			
-7750	11.9	1.811			
-7751	10.8	4.539			
-7753	9.3	0.214			
-7755	12	0.581			
-7756	10.6	0.775			
-7757	10.8	2.15			
-7758	6.7	0.134			
-7759	6.6	0.142			
-7760	6.3	0.048			
-7761	6.8	0.089			
-7765	10.1	0.155			
-7767	10	0.441			
Suzalecki-1 (Sanson)	201	Tuolachee	-6299	4	0
			-6302	11.3	0.28
			-6306	18.1	1.8

			-6308	14.6	5
			-6309	11.3	2.4
			-6310	12.2	4.2
			-6329	10.7	0.1
			-6329.8	11.8	1.4
			-6332	12	0.9
			-6333	10.7	0.1
			-6333.8	11.2	0.62
			-6341	7.4	0.1
			-6341.5	10.3	0.5
			-6345	12.3	166
			-6346	12.1	16
			-6347	15	140
			-6352	14.4	16
			-6359	15	32
			-6360	14.1	1.3
			-6363	8.7	0.1
			-6364	13.8	35
			-6366	14.5	250
			-6367	15.8	380
			-6369	14	700
			-6371	15.6	220
			-6376	9.9	240
			-6400	11.9	3.1
			-6401	15	1.9
			-6403	13.4	4.5
			-6405	17.3	1.4
			-6406	14.9	4.6
			-6407	15.5	1.4
			-6409	15.4	4.9
			-6410	17.9	3.2
			-6412	15.4	41
			-6413	18.7	95
			-6415	15.7	94
			-6416	18	158
			-6418	23.2	623
			-6418	17	780
			-6420	19.4	610
			-6420	12.9	35
			-6422	10.6	19
			-6423	18.3	52
			-6425	15.4	150
			-6426	15.5	212
			-6428	6.3	2.7
Srzelecki-1	201	Tzolachee	-6336	10.6	1.05
(SADME)			-6346	9.8	1.33
			-6369.5	13.4	132
			-6412	11.7	3.58
			-6420.5	15.5	334
			-6424	16.3	773
			-6432	10.4	20
Srzelecki-1	201	Puchawarra	-6531	12	2.5
(Santon)			-6532	13.3	1

		-6534	11.7	8.6	
		-6535	13.0	5	
		-6537	3.2	0.1	
		-6539	12.7	1.4	
		-6540	14	0.7	
		-6541	14.2	0.3	
		-6543	12.2	2	
		-6545	10.6	1.7	
		-6556	6	0.1	
		-6557	5.5	1.2	
		-6571	1.5	8	
		-6572	13.7	1.6	
		-6573	14.4	31	
		-6574	14.2	12	
		-6575	13.8	50	
		-6576	13	48	
		-6577	15.8	6.5	
		-6579	11.9	2.7	
		-6581	14.6	8.6	
		-6582	14	12	
		-6585	18.3	21	
		-6585	15	44	
		-6586	14.7	90	
		-6587	13.6	1.2	
Strzelecki-2	187.2	Tuolachee	-6120	12.3	0.5
(Sanon)			-6121	12.3	0.5
			-6122	11.7	0.5
			-6123	12.6	0.5
			-6124	14.9	0.5
			-6142	13.1	0.5
			-6170	12.4	0.5
			-6171	10.3	0.5
			-6172	12	1.6
			-6173	13.7	3.2
			-6174	14.6	2.8
			-6175	13.2	3.1
			-6176	13	1.5
			-6177	13.5	2.7
			-6178	11.4	0.5
			-6179	14.5	4.8
			-6180	16	12.1
			-6181	13.9	3.2
			-6182	17.5	58
			-6183	14.6	16.4
			-6184	12.8	9.1
			-6185	14.7	8.5
			-6186	14.1	6.2
			-6187	13.5	3.6
			-6188	13.1	0.5
			-6191	11.1	0.5
			-6192	14.7	8.5
			-6210	14.1	2.3
			-6212	13.3	0.5
			-6213	13.2	0.5

			-6214	14.3	2
			-6215	17.2	8.7
			-6216	18.3	8.6
			-6217	17.6	3.7
			-6218	15.7	1.9
			-6220	20	117
			-6221	20	62.6
			-6222	12.9	3.7
			-5539	11.5	147
			-5540	14.7	273
			-5541	13.1	215
			-5542	16.4	45
			-5543	12.5	127
			-5544	13.1	334
			-5545	14.2	729
			-5546	15.1	234
			-5547	14.5	333
			-5548	13.6	25
			-5550	12.2	110
			-5552	13.3	59
			-5554	16.6	240
			-5555	16.6	215
			-5556	20.8	135
			-5557	16	633
			-5558	16.3	286
			-5559	15.4	200
			-5561	15.8	1599
			-5562	16.4	211
			-5563	16.5	194
			-5564	17	782
			-5565	17.6	357
			-5566	17.1	558
			-5567	16.5	90
			-5568	17.2	367
			-5569	16.6	122
			-5570	18.5	613
			-5579	18.5	303
			-5580	17.6	362
			-5581	18.1	469
			-5582	19.5	1582
			-5583	19.5	827
			-5584	14	1480
			-5585	17.2	289
			-5586	17.4	218
			-5587	19.4	135
			-5588	18.7	247
			-5589	18.9	150
			-5590	18.2	165
			-5591	20.2	216
			-5592	17	131
			-5593	18	116
			-5594	19.8	193
			-5595	14.6	469
			-5596	15.6	274

Suzelecki-3 196 Hutton  
(Sannon)

			-5597	13.3	111
			-5598	14.1	288
			-5599	17	441
			-5600	13.4	142
			-5601	13.5	119
			-5602	16.4	78
			-5603	15.6	88
			-5604	14.2	314
			-5605	17.2	301
			-5606	14.6	261
			-5607	18.4	861
			-5608	16.2	240
Suzalecki-3	196	Toolachee	-6118	14.4	44
(Santon)			-6119	15.9	44
			-6121	14	8
			-6122	17	22
			-6124	11.3	0.8
			-6150	10.9	14
			-6154	12.1	1
			-6159	14.7	76
			-6160	17.3	149
			-6161	12	20
			-6162	10.2	5.2
			-6163	8.9	3.7
			-6164	15	64
			-6165	15.8	12
			-6166	17.1	121
			-6167	18.3	69
			-6168	12.1	1.3
Suzalecki-3	196	Toolachee	-6126.5	12.7	71.6
(SADME)			-6132.5	10.9	2.05
			-6158.5	12.3	1.8
			-6168.5	17.7	194
			-6170.5	17.4	1995
			-6172	9.7	23.6
			-6173.5	10.8	15.9
			-6175.5	18.3	229
Suzalecki-4	232	Namur	-6683	16.9	12
(Santon)			-6684	17.9	0.19
			-6685	17.8	15
			-6686	17.3	64
			-6687	19.7	43
			-6688	19.4	97
			-6689	19.3	85
			-6690	18.7	88
			-6691	18.4	177
			-6692	15.2	187
			-6693	18.1	198
			-6694	18.4	76
			-6696	17	35
			-6699	15.8	13
			-6701	18.5	21

			-4712	24.2	139
			-4714	19.8	175
			-4716	20.4	640
			-4717	19.6	1077
			-4719	21.4	399
			-4721	17.6	173
			-4723	20.6	587
			-4725	17.3	201
			-4727	16.8	91
			-4728	22.2	135
			-4730	22.5	149
			-4733	20.5	171
			-4736	19.9	252
			-4739	20.2	168
			-4741	18.6	314
			-4743	16.8	62
			-4745	18.3	210
Srzelecki-4	232	Marta/Namur	-4660	14	0.134
(SADME)			-4661	18	4.3
			-4662	17.3	23.7
			-4663	17.7	17.4
			-4664	17.1	4.3
			-4666	15.8	1.2
			-4667	17.9	0.311
			-4668	16.1	0.555
			-4669	15.2	0.725
			-4671	11.7	3
			-4673	13.5	0.521
			-4674	12.1	0.329
			-4678	8.6	0.02
			-4679	10.9	0.912
			-4680	9.8	0.415
			-4682	16.6	12
			-4682	14.4	4.7
			-4686	18.6	57
			-4687	18.1	52
			-4688	20	144
			-4690	19	314
			-4694	18.9	439
			-4694	19.8	68
			-4695	19.4	60
			-4699	18	35.7
			-4701	17.7	24.3
			-4702	17.8	29.2
			-4703	13.4	2.4
			-4704	13.5	0.939
			-4705	13.7	0.943
			-4 07	8.7	0.184
			-4709	7.1	0.388
			-4712	20.9	1130
			-4714	20.3	506
			-4716	19.7	783
			-4718	20.3	913
			-4719	21.4	1350

		-4720	19.9	750	
		-4721	17.8	417	
		-4723	18.3	311	
		-4725	22.4	369	
		-4726	20.3	372	
		-4727	16.8	183	
		-4729	20.4	179	
		-4729	20.6	248	
		-4731	19.4	148	
		-4732	19.2	156	
		-4733	21	231	
		-4734	17.6	176	
		-4736	19.1	231	
		-9476	20.1	230	
		-4739	18.9	156	
		-4740	19.4	200	
		-4741	19.9	189	
		-4742	21.7	298	
		-4743	19.9	206	
		-4744	19.2	16	
		-4745	18.7	32.1	
		-4747	14.6	35.7	
		-4748	10.2	1.3	
		-4749	11.8	0.077	
		-4750	15.4	0.279	
		-4751	13.6	0.148	
		-4752	10.8	0.011	
Suzelcki-4	232	Birkhead/Huron	-5488	10.2	0.016
(SADME)			-5489	4.9	0.054
			-5491	11.4	0.041
			-5492	13.2	0.225
			-5495	9.4	0.17
			-5496	10.3	0.221
			-5497	8.3	0.613
			-5498	8.5	0.115
			-5501	8.5	0.039
			-5502	6.6	0.025
			-5503	10.9	0.172
			-5503	6.9	0.016
			-5504	12.6	6.4
			-5505	14.3	15.3
			-5506	6.6	0.029
			-5512	5.1	0.046
			-5512	10.1	0.041
			-5513	4.1	0.169
			-5514	5.6	0.242
			-5517	9.2	0.192
			-5520	6	0.014
			-5521	5.8	0.011
			-5521.5	9.8	0.573
			-5522	12.3	0.439
			-5523	15.9	87
			-5523.5	17.6	388
			-5534	20	7620





-5553	20.2	2101
-5554	16.9	484
-5555	14.6	154
-5556	15.8	517
-5557	19.2	396
-5558	19.6	465
-5559	20	303
-5560	19.2	2309
-5561	17.3	1975
-5566	17.4	1357
-5567	15.8	1889
-5568	13.5	196
-5569	13.3	606
-5570	14.5	466
-5571	17	699
-5572	16.9	3865
-5572	16.9	3865
-5573	14.7	902
-5574	16.8	1299
-5575	12.7	938
-5576	17.8	901
-5577	16	1326
-5578	18	306
-5579	17.6	668
-5580	17.9	1621
-5582	17	711
-5583	15.7	764
-5586	12.5	487
-5587	17.3	483
-5588	12.6	135
-5589	14.4	150
-5591	13.3	613
-5592	12.8	387
-5593	14.8	621
-5595	11.8	815
-5596	14.8	418
-5597	15	271
-5598	13.9	361
-5599	13.3	1094
-5600	14.4	551
-5601	17.1	1043
-5602	15.6	1731
-5603	18.5	133
-5604	14	410
-5605	14.5	4414
-5606	14.6	349
-5607	13.6	696
-5608	15	790
-5609	13.9	1214
-5610	16.4	941
-5611	14.5	965
-5612	15.1	388
-5613	14.8	908
-5614	16	416
-5615	14.1	403

			-5618	13.6	750
Strzelecki-5 (Santos)	207.67	Namur	-4632	10.3	0.29
			-4634	10.8	0.14
			-4636	9.7	0.14
			-4637	17.1	0.78
			-4638	8.0	9.6
			-4639	10.2	0.15
			-4640	12.8	0.048
			-4641	11.9	0.039
			-4642	12.7	0.16
			-4643	12.5	0.28
			-4644	13.2	0.42
			-4645	14.9	0.37
			-4647	13.3	0.019
			-4648	13.2	0.21
			-4649	15.1	0.053
			-4650	7.8	0.27
			-4652	22.7	698
			-4653	9.7	0.017
			-4654	9.7	0.038
			-4656	12	1
-4657	15.7	6.5			
-4658	20.1	143			
-4660	20.3	84			
-4662	13.3	134			
-4663	8.3	0.058			
-4664	20.2	356			
-4665	18.6	222			
Strzelecki-5 (Santos)	207.67	Hutton	-5480	9.6	0.86
			-5481	16.5	1.3
			-5482	15.9	0.67
			-5483	11.6	0.4
			-5484	16.3	0.43
			-5485	14.8	0.06
			-5486	9.3	0.05
			-5487	11.3	0.16
			-5488	9.2	0.04
			-5489	7.6	0.02
			-5490	6.3	0.03
			-5491	17.2	0.11
			-5493	15.1	0.06
			-5494	7.8	0.01
			-5495	7.9	0.07
			-5496	13.1	0.29
			-5498	8.6	0.06
			-5499	11.9	0.08
			-5500	6.4	0.2
			-5501	7.3	0.69
-5502	7.5	0.79			
-5503	4.1	0.22			
-5503	16.1	0.8			
-5505	7.8	0.05			
-5506	7.5	0.02			

-5507	6.7	0.04
-5508	5	0.03
-5509	7.3	0.39
-5510	6.2	0.61
-5511	6.9	0.03
-5512	7.1	0.03
-5513	4.3	0.03
-5514	5.1	0.02
-5515	5.8	0.03
-5516	7.5	0.01
-5517	6.8	0.01
-5518	9.1	0.07
-5519	5.9	0.03
-5519	7.7	0.02
-5520	7.7	0.04
-5521	7.2	0.03
-5522	8.4	0.05
-5524	5.9	0.02
-5525	6.2	0.14
-5526	13.3	0.02
-5527	4.9	0.03
-5528	21.4	1750
-5529	20.5	553
-5530	19.9	20800
-5531	17.9	8900
-5532	12.6	39
-5533	6.6	0.06
-5534	10.6	4.4
-5535	14.6	61
-5536	15.7	0.58
-5538	15.1	69
-5540	13.4	38
-5541	14.4	49
-5542	13.9	75
-5543	15.6	108
-5544	19.5	1450
-5545	19.3	1080
-5456	18.1	358
-5458	15.4	1170
-5459	22.4	2460
-5550	21.6	4330
-5551	21.7	827

Suzelock' 5      207.67      Toolachee  
(Santos)

-6073	4	0.01
-6074	9.1	0.03
-6075	11.6	0.12
-6076	7.1	0.04
-6077	5.9	0.06
-6079	10.7	0.11
-6080	14.6	0.74
-6081	11.8	9.5
-6082	13.1	108
-6084	16.5	0.09
-6085	7.9	0.15
-6086	9.2	0.68

			-6087	12.6	0.26
			-6088	9.2	0.28
			-6089	4.8	0.33
			-6090	10.9	0.38
			-6090	9.9	0.18
			-6092	4	0.08
			-6097	9.3	0.13
			-6098	17.1	534
			-6099	16.5	455
			-6100	19.4	243
			-6101	17.4	403
			-6102	19.5	2660
			-6103	17.1	6820
			-6104	16.3	223
			-6105	8.7	0.5
			-6106	10.1	0.83
			-6107	13.6	27
			-6111	5.4	0.14
			-6112	9.5	0.52
			-6114	15.1	321
			-6294	15.9	75
Suziecki-10	217	Toxolachee	-6304	11.9	1.4
(Santos)			-6306	12	2.3
			-6308	13.7	2.4
			-6309	13.8	2.1
			-6311	16.9	71
			-6312	14.3	40
			-6314	13.8	14
			-6316	11.6	8
			-6317	12.8	7.8
			-6322	12.2	6.9
			-6325	15.7	56
			-6326	14.2	123
			-6339	12.3	2
			-6344	16	6.7
			-6388	13.1	0.64
			-6394	17.6	11
			-6395	16.1	42
			-6396	15.7	38
			-6397	15.7	36
			-6398	17.3	104
			-6399	20.3	53
			-6401	19.7	312
			-6402	20.4	274
			-6403	6.7	0.23
			-6428	12.8	36
			-6429	18.3	9.2
			-6430	10.5	28
			-6303	16.4	113
Suziecki-10	217	Toxolachee	-6316	9	0.495
(SADME)			-6319.5	12.3	2.97
			-6322.5	16.4	114
			-6623.5	14.8	149

			-6327	12.9	25.4
			-6334	12.9	4.57
			-6334.5	15.4	276
			-6335.5	14	56.1
			-6349	12.5	1.49
			-6353	12.8	8.36
			-6364.5	12.3	1.66
			-6370	15.9	29.6
			-6371	14.7	15.2
			-6374.5	17.4	452
			-6378.5	17.8	395
			-6379.5	15.3	137
			-6404.5	13.1	3.9
			-6405.5	14.1	10
Surzelecki-15	200	Toolachee	-6284	10.4	0.1
(Santon)			-6288	12.2	0.29
			-6289	11.8	0.3
			-6290	12.3	0.23
			-6291	12.3	0.49
			-6292	13.1	1
			-6293	15	102
			-6294	13.1	26
			-6295	19.1	159
			-6296	17.1	15
			-6297	16.1	57
			-6298	16.3	82
			-6299	18.4	64
			-6300	12.4	3.7
			-6301	17.9	93
			-6302	16.8	258
			-6303	15.9	29
			-6304	16.6	178
			-6305	14.4	80
			-6305.5	13	8.4
Surzelecki-15	200	Toolachee	-6284.5	8.3	0.427
(SADME)			-6292.5	9.2	0.883
			-6292.5	16.2	292
			-6300	13.3	6.31
			-6303	13.5	32.9
			-6305	12.7	28
Surzelecki-16	221	Toolachee	-6220	10.7	1.8
(Santon)			-6221	11.2	0.71
			-6222	10.9	0.37
			-6223	12	4.5
			-6224	12.8	5.9
			-6225	11.9	2.2
			-6226	11	2
			-6227	12.1	5.9
			-6228	13.3	24
			-6229	12.1	5.9
			-6230	13.5	25
			-6231	13.4	19

			-6232	12.8	11
			-6233	10.7	1
			-6234	11.3	3.6
			-6235	13.2	46
			-6236	14.3	65
			-6237	12.7	18
			-6238	15.9	205
			-6239	11.5	1.5
			-6240	13.8	16
			-6241	12.6	43
			-6242	13	7
			-6243	9.6	1
			-6244	11	1.1
			-6245	8	0.54
			-6248	3	0.02
			-6249	10.8	0.18
			-6251	14.5	8.3
			-6252	17.6	12.8
			-6253	17.8	12.1
			-6273	11.3	0.23
			-6274	10.7	1.2
Szaztecki-16	221	Toolachee	-6229.5	9.2	0.733
(SADME)			-6231.5	13.7	7.7
			-6233.5	11.6	3.61
			-6236.5	12.8	9.8
			-6241	12	3.61
			-6242.5	12.6	10.6
			-6245	15.4	126
			-6247.5	11.7	3.85
			-6250.5	9.5	5.21
Tiptone-A1	131	Toolachee	-5961	13.5	2.2
(Sanson)			-5962	13.4	2.1
			-5963	14.1	3.8
			-5964	12.6	3.5
			-5965	15.3	4.1
			-5966	11.9	2.8
			-5967	13.2	2
			-5968	14.4	21.6
			-5970	11.9	0.5
			-6011	18.7	49.5
			-6012	19.4	302
			-6013	15.8	8.9
			-6014	19.4	276
			-6015	18.6	446
			-6016	18	338
			-6017	19.7	427
			-6018	17.9	173
			-6019	17.5	346
			-6020	19.6	392
			-6021	20.8	596
			-6028	18	225
			-6029	18.2	89.9
			-6032	20	656

			-6033	20.6	315
			-6034	21.5	767
			-6035	21.3	278
			-6036	24.6	500
			-6037	21.3	541
			-6038	20.1	451
			-6039	23	553
			-6040	21	392
			-6041	19.1	312
			-6042	23.3	972
			-6043	21	211
Tirrawarra-8 (SADME)	129	Tirrawarra	-9567	12.3	102
			-9568	13	112
			-9570	10.2	5.1
			-9571	10.9	6.9
			-9572	13.5	73
			-9573	14.8	103
			-9574	9.7	32.7
			-9575	9.8	1.3
			-9577	11.2	0.69
			-9578	11.8	0.683
			-9579	11.4	0.885
			-9580	10.1	0.317
			-9581	9.2	0.245
			-9582	10.5	0.234
			-9583	10.5	0.248
			-9584.5	10.8	0.995
			-9586	11	0.543
			-9587	11	0.676
			-9589	10.5	0.276
			-9590	10.9	0.666
			-9592	10.1	0.997
			-9592.5	10.6	0.411
			-9593	9.6	0.583
			-9594	9.1	0.271
			-9595	7.6	0.186
			-9596	8.9	0.205
			-9597	9.7	1.3
			-9598	9.5	0.219
			-9599	9.5	0.259
			-9602	9.5	0.267
			-9603	9.9	0.28
			-9605	9.9	0.387
			-9607	10.3	0.772
			-9608	10	0.58
			-9610	8.7	0.807
			-9611	9.7	0.844
			-9613	5.5	0.133
			-9614	14.8	52
			-9615	16.1	196
			-9617	12	4.3
Tuolachee-1 (Samsu)	194	Tuolachee	-6051	20.4	292
			-6055	22	236



			-6063	19.4	298
Toolachee-1 (NCPGG)	194	Epsilon	-6991	8.9	0.346
			-6911	7.9	0.058
			-6914	14.6	15.5
			-6917	6	0.112
			-6958	7.5	1.59
Toolachee-1 (Santon)	194	Pachawarra	-6890	17.2	6
			-6891	10.3	0.1
			-6892	21.5	384
			-6893	10.4	0.1
			-6894	15.4	15
			-6895	11.9	0.2
			-6896	11.3	0.2
			-6897	4	0.1
			-6898	10.7	0.1
			-6899	20	63
			-6900	18.4	32
			-6901	20.9	76
			-6902	18.4	32
			-6903	13.5	1.2
			-6904	16.2	5.3
			-6906	12.1	0.3
			-6907	16.1	10
-6908	7.5	0.1			
-6950	11.9	0.4			
-6951	19.2	69			
-6952	14.1	4.9			
-6953	11.1	0.4			
-6954	13.9	0.3			
-6955	14.3	111			
Toolachee-1 (NCPGG)	194	Pachawarra	-6911	7.9	0.058
			-6914.5	14.6	15.5
			-6917	6	0.112
			-6958	7.5	1.59
Toolachee-2 (Santon)	237	Pachawarra	-6970	4	0.1
			-6975	4.3	0.1
			-6998	8.6	0.1
			-7006	6.3	0.1
			-7012	8.7	0.1
			-7022	8.8	0.1
			-7055	11.9	0.8
			-7060	14	1.8
			-7065	14.1	4.3
			-7070	11.5	0.3
-7075	12	7.5			
Toolachee-3 (Santon)	217.5	Pachawarra	-7198	10.5	0
			-7200	11.9	0.5
			-7201	5.7	0
			-7202	10.5	0.5
			-7203	12.2	0.5

-7204	12.9	0.5
-7205	11.9	2
-7206	12.5	1.1
-7207	11.5	1.5
-7207	10.1	0.96
-7208	14.2	4.7
-7209	19.8	167
-7210	23.4	43.5
-7211	14	2.1
-7211	10.3	1.5
-7213	11.7	0.5
-7217	9	0
-7226	6.3	0.05
-7251	5.6	0
-7257	8.8	0
-7253	3.7	0
-7265	12.7	0.8
-7266	11.9	1.4
-7267	14.1	1.7
-7268	14	4.9
-7270	14.1	6.9
-7271	11.8	0.5
-7272	10.4	4.2
-7274	18.8	136
-7275	21.9	146
-7276	13.9	140
-7278	14.5	7.4
-7278.9	13.4	23.4
-7279	22.6	352
-7280	18.9	321
-7282	19	172
-7283	17.4	35.3
-7284	19.9	720
-7285	17	38.9
-7288	22.9	220
-7289	18.2	110
-7290	15.9	20.3
-7298	9.7	0
-7300	10.1	0
-7301	11.3	11.9
-7302	8.5	0
-7303	7.8	0.14
-7303.75	11	0
-7304	13.3	2.6
-7305	16.3	5.3
-7306	13.9	2.9
-7307	14.3	2.8
-7308	12.8	3.2
-7309	17.6	22
-7310	12.7	6.2
-7311	11.4	2.7
-7311.083	14.3	3.2
-7311.3	12.5	2.8
-7313	14.8	6.9
-7314	15.4	4.6

			-7329	8.2	0.06
			-7329.3	11.6	0.5
			-7330	12.9	0.5
			-7331	14.9	1.3
			-7332	14.3	1.4
			-7333	13.8	1.8
			-7335	13.7	1.4
			-7336	15.5	4.6
			-7337	13.9	5.2
			-7338	14.9	11
			-7338.4	16.1	20
			-7339	19.8	34.4
			-7340	13.5	4.6
			-7341	22.1	328
			-7342	18.6	66.3
			-7344	17.9	65.6
			-7345	19.6	89
			-7347	6.9	0
			-7393	4.7	0
			-7410	10.7	0
			-7411	11.9	0
			-7412	10	0
			-7413	10.7	0
			-7413.9	7.3	0
			-7414	12.3	0.5
			-7417	11	1
			-7417.9	12.1	1.7
			-7418	3.2	0
			-7419	8.1	0
			-7421	12.6	1
			-7422	12.8	2.1
			-7423	13.5	2.2
			-7424	13.7	2.4
			-7425	10.8	0.5
			-7426	18.2	154
			-7426.9	17.6	180
			-7427	14.2	15.5
			-7428	12.1	3.6
			-7456	10.1	0
			-7457	9.5	0
			-7459	11.6	0
			-7461	13.5	3.1
			-7462	13.1	2.6
			-7463	14.1	7
			-7464	13.7	4.8
			-7465	15.5	15.8
			-7466	17.1	36.2
			-7467	15.5	6.1
Toolachee-3	217.5	Pachawarra	-7244	6	0.282
(NCPGG)			-7232	5.1	0.02
			-7226	0.6	0.3
			-7220	3.5	0.014
			-7380	5.7	0.115
			-7443	8	0.059

			-7437	1.5	0.01
Toxolachee-3 (SADME)	217.5	Paichawarra	-7204	0.2	999
			-7206	6.5	999
			-7208	8.3	999
			-7210	5.9	999
			-7212	6.9	999
			-7214	9.8	999
			-7215	10.2	999
			-7218	9.5	999
			-7222	12.2	999
			-7224	6.7	999
			-7335	2.8	999
			-7337.5	7.3	999
			-7339.5	8.7	999
			-7342	8	999
			-7344.5	11.3	999
			-7347	15.3	999
			-7349	15.8	999
-7352	18.9	999			
-7355	15.8	999			
-7357	0.6	999			
Toxolachee-4 (Santos)	207.7	Paichawarra	-7161	12.2	0
			-7206	9.5	0
			-7216	11.8	1.5
			-7217	13.7	1.1
			-7218	12	1.5
			-7219	10.2	0.9
			-7222	11.3	0
			-7224	10.3	1.2
			-7225	12.1	3
			-7226	15.2	11.7
			-7232	10.4	0.5
			-7233	10.2	0.5
			-7235	11.8	0.5
			-7237	11.1	1.1
			-7240	6.1	0
			-7243	12.6	1.4
			-7245	12	1.5
			-7257	10	0.5
			-7259	11.2	0.5
			-7261	13.4	1.1
			-7263	11.6	1.3
			-7265	16	11.1
			-7267	12.6	2.5
-7269	9.1	0			
-7271	11.7	0			
-7273	12.3	2.1			
-7275	20.1	236			
-7277	15.3	17.4			
-7278	15.9	40.6			
Toxolachee-5 (Santos)	195.82	Paichawarra	-7226	11.3	0.5
			-7227	6.3	0

-7229	9.3	0.5
-7229.04	6	0.09
-7230	10.8	0.5
-7233	5.2	0
-7238	10.8	0.5
-7241	7.9	0
-7242	10.6	0.5
-7243	11.1	0.5
-7243	7.8	0.29
-7244	10.1	0.5
-7245	10.8	0.5
-7246	10.3	0.5
-7247	8.6	0
-7251	7.1	0
-7261	9.4	0.5
-7261	7.3	0.09
-7263	10	0.5
-7264	8.7	0
-7264	8.4	0.21
-7265	9.8	0.5
-7265	11	0.5
-7267	10.1	0.5
-7268	10.3	0.5
-7271	9.1	0
-7276	6.9	0
-7277	10.1	0.5
-7278	9	0.5
-7279	4.5	0
-7289	6.5	0
-7302	8.1	0
-7305	8.5	0
-7306	8.3	0
-7307	9.2	0
-7308	6.6	0
-7313	10.7	0.5
-7319	7.2	0
-7334	10.6	0.5
-7335	11	0.5
-7335.5	10.1	0.5
-7337	9.1	0
-7338	11.8	0.5
-7338	8.5	0.11
-7339	10.6	0.5
-7339	9.5	0.2
-7340	11.4	0.5
-7341	11.5	0.5
-7341	9.8	0
-7342	12.6	0.5
-7343	8.9	0.33
-7343	9.1	0.58
-7343.5	11.8	0.5
-7344	10.4	0.5
-7344.03	9.6	0.43
-7351	9.9	0
-7352	9.9	0

			-7353	10.1	0.5
			-7354	8.7	0
			-7355	8	0
			-7356	10.5	0.5
			-7356	8.3	0.17
			-7357	10.1	0.5
			-7358	9.2	0
			-7359	12.3	2.12
			-7360	13.4	1.17
			-7361	12	2.94
			-7361	9.3	2
			-7362	12.6	1.92
			-7363	15.4	6.57
			-7364	12.1	1.85
			-7381	10.9	0.5
			-7382	8.5	0
			-7382	6.4	0.08
			-7383	9.5	0
			-7384	13.3	0.5
			-7384	8.6	0.19
			-7385	12.7	0.5
			-7386	14	0.5
			-7387	11.6	0.5
			-7388	11.1	3.5
			-7389	14.8	1.4
			-7390	13.7	1.61
			-7391	14.1	1.51
			-7392	12.3	0.5
			-7392	8.5	0.19
			-7393	14.3	1.46
			-7394	13.6	0.5
			-7395	18.5	10.1
			-7396	15.2	4.36
			-7396	10.6	5
			-7396	15	67
			-7397	16.7	3.65
			-7398	12.4	1.7
			-7247	7.6	2.88
			-7271	6.2	0.028
Toolachee-5 (NCPOG)	195.82	Pachewarra	-7345	7.5	0
			-7352	9.9	0.5
			-7355	11	1.6
			-7369	8.9	0
			-7398	8.3	0
			-7420	7.9	0
			-7441	6.4	0
			-7462	8.8	0
			-7463	12.3	0.5
			-7464	10.8	0.5
			-7465	12.9	1.5
			-7467	16.8	17.1
			-7468	19	43.2
			-7468	17.1	71
Toolachee-6 (Saxton)	238	Pachewarra			

-7469	18.7	24
-7470	17.5	13.9
-7471	20.1	60.5
-7472	16.3	5.3
-7473	19.3	69.8
-7474	18.9	35.4
-7475	13.4	3.4
-7485	7.1	0
-7513	7.6	0
-7546	18.6	376
-7547	9.5	53.5
-7548	9.2	8.4
-7549	14.6	97
-7551	14.5	107
-7552	20.1	211
-7552	16.6	77
-7552	20.2	86.2
-7553	16.2	50.8
-7554	13.9	6
-7555	14.9	14.1
-7556	22.4	6077
-7557	21.5	309
-7558	21.4	241
-7559	18.5	125
-7577	9.3	1.6
-7578	18	30.9
-7579	17.6	188
-7581	17.8	229
-7581.5	20.7	297
-7582	16.8	112
-7586	21.6	712
-7587	18.7	251
-7588	17.3	64.5
-7589	17.6	221
-7590	15.8	58.2
-7591	13.9	6.8
-7592	9.2	0
-7593	14.5	4.1
-7594	10.5	0.5
-7595	11.3	0.5
-7596	13.5	1.2
-7597	14.5	2.1
-7598	12	0.5
-7599	12.5	0.5
-7600	10.6	0.5
-7601	13.7	0.5
-7602	10.2	0.5
-7603	12.1	0.5
-7604	9.9	1.5
-7605	6.4	0
-7606	3.3	0
-7606.05	8.9	7.2
-7607	13.9	2.8
-7608	10.4	0.5
-7608	7.7	0.1

-7609	13.7	2.3
-7609	10	1.9
-7610	13.1	3.6
-7611	12.1	1.4
-7612	12.7	1.3
-7613	7.4	0
-7614	9	1.5
-7615	14.9	5.4
-7616	15.4	13.2
-7617	14	7.4
-7618	4.6	0
-7619	13.5	12
-7620	17.7	41.5
-7620	13.2	33
-7621	16.2	17.1
-7622	16.8	53.6
-7623	16.6	15
-7624	14.9	13.3
-7625	9.3	1.6
-7626	14.8	7.6
-7627	14.8	11.5
-7628	14.5	9.9
-7629	15.4	6.8
-7630	12.8	1.7
-7631	15.4	4.8
-7632	16.1	5.4
-7633	12.5	1.6
-7634	13	5.2
-7635	15.7	12.3
-7636	14.7	19.4
-7637	11.5	5.4
-7638	14.3	18.5
-7639	14	7.9
-7640	14.8	10.4
-7641	16.4	10.6
-7642	12.9	18.5
-7643	2.3	0
-7644	3	0
-7645	1.6	0

Tuolachee-7 222.45 Pachawarra  
(Samoa)

-7348	15.7	13.2
-7350	19.4	357
-7351	17.7	217
-7372	10.8	0.5
-7373	11.6	0.5
-7374	11.8	0.5
-7375	10.8	0.5
-7376	11	0.5
-7377	9.4	0
-7379	12	0.5
-7381	15.4	6.4
-7383	16.6	2.7
-7385	13	2.4
-7387	12.4	0.5
-7389	13.8	2.4





Toolachee-9 (SADME)	242.82	Pachawarra	-7303	6.3	999
			-7304	0.5	999
			-7305	3.2	999
			-7306.5	4.4	999
			-7308	8.1	999
			-7309	8.3	999
			-7311	8.3	999
			-7312.5	11.1	999
			-7314	10.9	999
			-7315	9.6	999
			-7316	12.9	999
			-7317	12.4	999
			-7319	13.6	999
			-7320	16.4	999
			-7322	17.4	999
			-7323	19.2	999
			-7325	17.7	999
-7326	5.4	999			
-7327	0.6	999			
-7328	1.8	999			
Toolachee-12 (Santon)	180	Pachawarra	-7190	8.7	0.16
			-7192	9	0.36
			-7194	7.9	0.2
			-7195	11.8	0.25
			-7197	9.7	0.24
			-7198	12	1
			-7199	10	0.42
			-7200	10.1	0.24
			-7201	8.3	0.13
			-7204	19.2	199
			-7205	13.7	80
			-7206	15.4	30
			-7207	12.7	2.2
-7208	3.8	0.03			
Toolachee-14 (Santon)	236	Pachawarra	-7380	5.9	0.02
			-7382	3.8	0.03
Toolachee-15 (Santon)	200	Pachawarra	-7363	9.4	0.11
			-7364	11.1	0.53
			-7365	11.6	1.32
			-7366	4.6	0.18
			-7367	9.8	0.11
			-7368	2.7	0.01
			-7369	18.8	49
			-7370	15.6	42
			-7371	4.9	0.4
			-7372	10.6	0.66
			-7373	14.1	2.22
			-7374	16.9	187
			-7375	20.4	628
-7376	9.8	0.7			
-7377	17.5	262			
-7378	16	54			

			-7379	20.8	569
			-7380	19.5	505
			-7381	20.6	999
			-7381	15.3	336
			-7382	17.6	999
			-7382	14.3	64
			-7383	15.7	999
			-7383	16.6	120
			-7384	17.9	999
			-7384	15.1	262
			-7385	17.3	95
			-7385	17.3	999
			-7386	17.7	107.2
			-7386	16.2	999
			-7387	10	0.23
			-7388	3.7	0.15
Toolachee-15	200	Pachawarra	-7367	7.6	0.02
(NCPGG)					
Toolachee-18	207	Pachawarra	-7309	20.1	239
(Santon)			-7310	19.8	181
			-7311	18.9	195
			-7312	17.8	124
			-7313	13.6	15
			-7314	13.2	8.6
			-7315	13	6.8
			-7316	13.1	11
			-7317	11.7	3
			-7318	11.8	0.73
			-7319	11	1.5
			-7319	14.7	123
			-7321	19.9	565
			-7322	12.7	45
			-7322	14.3	74
			-7323	9.1	0.93
			-7325	15.3	43
			-7326	14.4	13
			-7326	13.7	452
			-7327	10.7	1.3
			-7328	9.2	0.51
			-7329	15	157
			-7329	14.4	34
			-7331	16.5	51
			-7332	17.9	127
			-7333	15.7	74
			-7334	11.3	5.5
			-7335	10.8	5.1
			-7335	11	2.4
			-7336	12.8	11
Toolachee-19	262	Pachawarra	-7613	11.6	0.53
(Santon)			-7614	12.2	1.1
			-7615	10.8	0.2
			-7616	12	1.7

			-7617	9.9	0.26
			-7618	8.4	0.98
			-7619	14.4	31
			-7620	12.2	6.4
			-7621	12.3	8.2
			-7622	12.1	4.1
			-7623	10.7	1.6
			-7624	8.5	0.21
			-7625	4.6	0.06
			-7626	14.3	44
			-7627	14.1	11
			-7628	12.3	5.2
			-7629	9.3	0.81
			-7630	10.2	0.65
			-7631	5.3	0.39
			-7632	12.8	6.6
			-7633	13.6	14
			-7634	10	1.3
			-7635	12.5	2.3
			-7636	12.9	11
			-7637	6.4	0.39
			-7638	12.4	12
			-7639	10.2	2.6
Tuxtlachee-19	262	Pachawarra	-7621.5	10.8	0.613
(SADME)			-7622.5	10.6	2.39
			-7624	8.3	0.08
			-7624.5	10.4	1
			-7625.5	10.1	0.257
			-7627.5	15.4	60.2
			-7628.5	14.1	26.4
			-7629.5	14.4	29.7
			-7636	11.6	4.42
			-7641	12.3	6.21
			-7641.5	10.1	1.03
			-7643.5	13.6	10.6
			-7644.5	13.5	10.5
			-7645.5	8.1	0.4
			-7646	14.7	41.4
Tuxtlachee-21	212.09	Pachawarra	-7365	6.1	0.02
(Santos)			-7366	6.6	0.07
			-7369	8.4	0.06
			-7372	9.5	0.17
			-7376	9.8	0.45
Wancococha-1	123	Epsilon	-5818	8.5	0.04
(NCPGG)			-5818.5	5.5	0.016
Wancococha-1	123	Pachawarra	-6197	14.9	1.8
(Santos)			-6207	17.6	22
			-6209	16.1	15
			-6211	16.3	61
Wancococha-1	123	Pachawarra	-6199	16.1	13.7

## (NCPGG)

Wancocha-3 (SADME)	88.28	Pachawarra	-5786.5	9.2	0.036
			-5788.5	10.5	0.261
			-5790.5	9.1	0.045
			-5793	14.9	1.5
			-5794.5	14.5	1.5
			-5795	10.2	0.204
			-5796	13.2	7
			-5797.5	17.2	14.4
			-5799.5	19.1	24.8
			-5800.5	17.5	12.4
			-5802	20.3	64
			-5803	17	13.3
			-5804	20.3	74
			-5805	19.6	105
			-5806	19.3	78
			-5807	19	62
			-5810	20.1	440
			-5810.5	14.9	150
			-5811.5	19.8	239
			-5812	18.3	260
-5813.5	19.9	739			
-5816	11.3	0.067			
-5817	9.9	0.209			
-5820.5	7.2	0.03			
Wancocha-4 (Sanson)	105.05	Birkhead	-5113	20.5	116
			-5114	16.3	22
			-5115	22.1	588
			-5118	20.5	326
			-5119	20.6	404
			-5121	24.3	1427
			-5125	25	1567
			-5126	23.9	1408
			-5128	22.4	839
			-5138	7.2	0.005
Wancocha-4 (SADME)	105.05	Birkhead	-5113	22.7	207
			-5114	23.3	273
			-5115	22.5	377
			-5116	25.1	519
			-5117	24.6	631
			-5119	24.5	568
			-5121	25.4	976
			-5122	24.4	610
			-5125	25.4	718
			-5126	23.6	764
			-5128	23	569
			-5129	21.4	565
			-5135	12.1	0.024
-5137	13.8	0.064			
-5138	9.9	0.051			
-5139	14.7	0.009			

Wantana-1 (Santon)	163.76	Toolachee	-8292	10.8	0.63
			-8293	9.2	0.56
			-8294	9.1	0.97
			-8295	12	2.5
			-8296	10.2	0.78
			-8297	9.2	0.26
			-8298	12.2	1.7
			-8299	8.8	1
			-8300	10.6	5
			-8310	11.4	4.8
			-8302	10.3	3.7
			-8303	10.9	2.1
			-8304	8.6	0.53
			-8305	8.7	1.3
			-8307	8.9	0.52
			-8308	10.8	1.6
			-8309	9.4	1
			-8310	10.9	2.3
			-8311	10.2	1.7
			-8312	9.8	2.2
-8313	10.1	0.62			
-8314	11.6	3.7			
-8315	10.2	0.89			
-8316	4.2	0.065			
Wantana-1 (Santon)	163.76	Pachawarra	-8793	4.7	0.065
			-8802	4.7	0.08
			-8805	3.4	0.045
			-8817	3	0.05
			-8818	6.5	0.075
			-8819	6.9	0.1
-8820	7.6	0.14			
Wantana-1 (Santon)	163.76	Merrimelia	-9064	8.5	0.35
			-9069	9.4	2.8
			-9070	11.7	1.4
			-9073	10.9	2.9
			-9075	11.4	1.6
			-9078	11.9	2.7
			-9081	10.4	1.2
			-9084	8.6	0.38
			-9086	8.7	0.19
			-9087	8.9	0.37
			-9092	9.6	1.1
-9096	11.5	1.4			
Wilpinnie-1 (Santon)	259.65	Murra	-4690	10	0.1
			-4693	16.2	0.2
			-4696	18.5	0.1
			-4707	13.2	0.5
			-4715	11.6	0.1
Wilpinnie-1 (Santon)	259.65	Pachawarra	-7061	11	1.1
			-7061	11.6	3.8
			-7063	11.2	1.9

-7064	10.7	0.7
-7065	11.1	1.2
-7065	7.7	11.1
-7066	8.1	641
-7067	3.7	0.02
-7101	6.2	0.12
-7107	7.8	0.39
-7108	9.9	4.2
-7109	12.9	0.69
-7110	10.7	7.8
-7111	9.9	0.29
-7112	10.4	1.1
-7113	3.5	0.02
-7113	10.9	3.4
-7114	9.4	0.27
-7116	10.4	0.62
-7442	11.9	3.3
-7483	10.8	1.6
-7484	11.4	2.5
-7485	10.7	1.4
-7486	11.1	2.6
-7487	12	4.9
-7488	11.9	3.2
-7489	11.5	2.2
-7490	11.4	1.9
-7491	9.6	1.1
-7492	10.3	1
-7493	11.7	2.2
-7494	11.7	2.9
-7495	11.4	6.4
-7496	10.8	1.6
-7497	11.3	1.5
-7498	11.2	1.7
-7499	10.4	1.2
-7500	8.9	0.7
-7501	8.9	0.5
-7502	7.1	0.3
-7503	6.9	0.4
-7504	7.9	1.8
-7505	7.3	2.6
-7506	7.5	0.5
-7507	7.4	0.4

Woolkine-1 134 Terranera  
(Saxon)

-9947	9.5	0.35
-9948	9.8	0.54
-9951	9	0.22
-9951	1.5	0.01
-9953	4.2	0.042
-9954	2.3	0.01
-9961	4	0.047
-9964	8.1	0.027
-9967	6.3	0.072
-9968	7.3	0.17
-9969	9.9	1
-9971	8.1	0.11

Yapını-1 (Satan)	100	Epsilon			
			-6826	17.1	0.63
			-6827	15.7	59
			-6828	16.2	241
			-6829	19.8	150
			-6830	21.2	270
			-6831	19.3	315
			-6832	15.8	101
			-6833	20.6	176
			-6834	20.5	99
			-6835	17.3	318
			-6837	15.2	38
			-6840	22.5	303
			-6841	20.7	236
			-6842	20.5	174
			-6843	15.5	74
			-6844	20	113
			-6845	17.7	87
			-6845	18.2	83
			-6846	18.3	117
			-6847	18.8	113
			-6848	21.2	396
			-6849	14.8	3.4
			-6950	10.5	1.7



# NERDDC PROJECT 1175:

## APPENDIX L: POINT COUNT DATA

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### Abbreviations:

n	Number of samples
DQZ	Detrital quartz
CI	'Chert' fragments
QOG	Quartz overgrowths
SRF	Sedimentary rock fragments
VRF	Volcanic rock fragments
KAO	Kaolin clay
ILL	Illite/muscovite
CL	Chlorite/chlinochlore
PYR	Pyrophyllite
CSP	Carbonate spar
MIC	Micrite
O/B	Organic matter/bitumen
PP	Primary porosity
SP	Secondary porosity

Sample  
No.

	a	DQZ	CH	QOG	SRF	VRF	KAO	ILL	CL	PYR	CSP	MIC	GB	PT	SP
CB-0009	1000	66.7	6.8	77.4	0.1	0	6.1	77.6	0	0	0.1	0.5	1.4	0	772.1
CB-0010	700	47	3	720.4	0.5	0.9	6.5	716	0	70.14	0.56	1.3	3	0	0
CB-0011	500	64	0.9	718.1	1.9	0	6.4	73.4	70.4	0	0.4	0	1.5	0	0
CB-0012	1000	54	0.5	723	0.2	0	3	73.2	70.1	0	5.7	0	0.2	2	0.5
CB-0013	500	66.1	1	715	1.2	0	2.8	72.2	70.4	0	0	0	1	1	7
CB-0014	700	32.8	0.5	711.4	1.8	0	7.65	712.3	0	0	0.3	19.8	4.3	0	0
CB-0015	600	62.3	1.5	723.7	2	0	1.4	70.4	70.2	0	0.7	0	2.7	0.7	0
CB-0016	500	57.2	0	79	0.2	0	1.2	76.8	0	0	3	1	1.6	0	0
CB-0017	500	64.6	0.4	720	0	0	3.2	72.8	0	0	3.4	0.6	4.2	0	0
CB-0018	500	58.6	6.25	78.9	0	0	8.6	72.3	70.4	70.2	0	0	6.2	70.5	0
CB-0019	1000	49.5	1.4	79.6	0	70.5	8.1	718	5.3	7<0.1	0	1.2	1.5	0	0
CB-0036	500	55.3	3.8	79.4	2.8	0	2.35	73.6	3.6	0	0	0	1.6	0	0
CB-0037	500	52	0.2	73.9	0	0	1.4	729.9	0	0	0	8.5	3.3	0	0
CB-0038	500	47.1	1	77.8	1.4	0	2.2	725.7	72.2	0	1.6	3.4	5.2	0	0
CB-0040	500	31.7	0	<1	0	0	0	754.4	71.4	0	0	1.2	11.4	0	0
CB-0041	500	55.6	0	718	3.4	0	5.2	710.2	1.2	0	0.8	0	0.6	0	0
CB-0042	500	55.9	0	716.6	1.6	0	7.4	715.2	0	0	0	0	1.6	0	0
CB-0043	700	51.3	0.3	731.5	3.2	0	6	73.4	71.28	0	0	0	0.8	0	0
CB-0051	500	58.15	0.8	718.6	2.4	0	3.8	711.4	0	0	0	0	1.6	0	0
CB-0052	1047	58.5	1.5	725.2	0	0	4.8	72.4	0	70.3	0	0	7.4	70.5	0
CB-0053	200	37.8	0	72	0	0	4	724.5	0	10.5	21	0	0	0	0
CB-0054	500	54.3	0.8	721.2	2.3	0	9.2	74.15	71.9	0	0	0.2	3.5	0	0
CB-0055	500	57.8	0	715.2	1.4	0	4.2	713.8	71.6	0	0	0	2.8	0	0
CB-0057	500	48.8	0	713.2	0	0	0.2	729.3	77.5	0	0	0	1	0	0
CB-0058	1000	50.4	2	728.9	2.5	0	0	72.4	72.2	5.9	0	0.7	0	0	0
CB-0059	500	46	0.2	77.4	2.2	0	2.8	723.4	77	70.4	2.4	3.6	0	0	0

CB-0085	1014	32.8	1.4	75.2	0	0.2	6.5	79.2	0	0	32.6	7.5	0.9	0	0
CB-0088	1000	57.6	3	711.3	4.7	0	10	72.7	0	0	1	0.4	0.7	5.3	7
CB-0093	428	58.4	1.8	712.6	5.4	0	7.3	74.7	0	0	0.5	0	8.9	0.9	0
CB-0095	400	53.7	1	711.5	8	0	4.3	72.8	0	0	2	3.5	6.7	2.5	70.7
CB-0096	540	51.1	0.19	717.2	0.5	0	8	75	0	0	0	0.7	1.6	10.7	70.7
CB-0101	414	61.8	0	712.8	0.5	0	4.4	76.3	0	0	0.25	0	0.7	8.3	7
CB-0105	404	50.5	0	72	0	0	6.2	714.3	0	0	15.6	0	6.7	0	0
CB-0107	400	52.7	0	715.2	0	0	17.9	76.2	0	0	0	0	6.5	4.5	0
CB-0140	401	41.14	1.25	77.23	2.7	0	1	75.7	0	0	28.7	8.5	1.5	0	0
CB-0141	422	62.56	0	721.5	2.1	0	1.4	76.4	0	0	2.1	0.5	0	3.1	0.4
CB-0143	407	18.4	0.25	0	0	0	0	71.5	0	0	0	62.7	17.2	0	0
CB-0176	101	13.5	0	70.5	0	0	1	71	0	0	31	54	0	0	0
CB-0180	509	55.6	0	720.8	0	0	8.5	76.3	0	0	0.5	0.2	0	5	0
CB-0181	308	49.7	0.3	728.2	0	0	0.3	70.3	0	0	0.3	0	20.1	70.3	0
CB-0184	511	40.7	0	712.9	1.56	0	7	717.2	0	0	8.8	10.4	0	0	0
CB-0188	400	44.25	0	75.75	6	0	5.25	79.75	0	0	26.8	0	0.5	0	71
CB-0193	398	31.15	0.25	71.8	0.5	0	3	72.76	0	0	11.8	46.7	0.75	0	0
CB-0195	406	51.5	0.25	717	1.2	0	6.7	716	0	0	4.2	0	1.2	0.8	0
CB-0234	400	47.75	0	721.75	1.5	0	6.5	717.25	0	0	3	0.25	0.75	1	0
CB-0240	415	53.25	0	713.5	1.2	0.2	9.7	77	0	0	0.25	11.6	2.65	0	0
CB-0277	413	52.78	0	716	0.97	0	5.6	713.1	0	0	0	0	6.5	0	0
CB-0278	414	55.79	1.7	725.8	1	0	7.3	72.4	0	0	0.24	1.7	3.9	2	0
CB-0281	419	53.22	0	713.12	0.2	0	11.6	77.15	0	0	0.8	0	0.5	0.7	77
CB-0282	406	58.12	0.24	712.56	3.7	0	9.11	74.18	0	0	0	0	0.24	8.3	77
CB-0745	401	58.09	0.8	714.7	2	0	10.5	77	0	0	2.2	1.2	3	0	0
CB-0746	405	61.74	0.25	711.35	0	0	14	71.23	0	0	7.7	0	0	2.7	0
CB-0747	403	59.3	3.5	710.6	1	0	8.9	713.4	0	0	1.7	0.75	0.75	0	0
CB-0748	405	49.38	5.7	717.5	0.75	0	13.3	78.15	0	0	2	0	2.7	0.5	0
CB-0749	413	52.78	3.6	717	2.2	0	10.5	77.26	0	0	2	0.7	3.4	0.25	7
CB-0750	401	62.59	3.7	712.2	1.7	0	10.22	73.74	0	0	1.75	0	0	3.5	0