Paleodrainage and fault development in the southern Perth Basin, Western Australia during and after the breakup of Gondwana from 3D modelling of the Bunbury Basalt

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Appendix A1 Bunbury Basalt sample locations.

Appendix B1 Interactive 3D Model of the Bunbury Basalt.

Appendix B2 Bunbury Basalt 3D model.

Appendix A1 Bunbury Basalt sample locations.

Object ID	General Context	Easting	Northing	GL	EOH	Top (m)	Base (m)	Thickness (m)
1269	Cowaramup CL7A	373699	6251327	112.5	1671.0	80.0	132.0	52
1272	Cowaramup CL8A1	381380	6251487	156.4	1447.5	175.0	214.0	39
1301	Cowaramup Line CL5A	359958	6250734	185.2	1504.0	180.0	190.0	10
1406	Quindalup Q6	368813	6275907	45.0	1117.6	31.0	104.0	73
1436	Busselton Shallow BN3D	380361	6289951	38.3	80.8	69.0	80.7	>12
1450	BUSSELTON SHALLOW BN8D	378315	6284165	65.1	53.0	48.0	53.0	>5
1465	BUSSELTON SHALLOW BN13D	373995	6278759	59.8	69.0	39.0	69.0	>30
1541	Bunbury Shallow BS13A	379991	6301036	24.1	114.0	84.0	114.0	>30
1545	BUNBURY SHALLOW BY4A	375980	6308345	11.0	87.0	30.0	50.0	20
1554	BUNBURY SHALLOW BY8A	376279	6301638	26.8	106.0	13.0	80.0	67
1561	BUNBURY SHALLOW BY3A [WEST]	373593	6312291	5.0	100.0	5.0	27.0	22
1563	BUNBURY SHALLOW BY11B	376446	6313683	8.0	114.4	41.0	89.0	48
1567	Bunbury Shallow BS2A	379619	6313138	6.1	98.0	5.0	27.0	22
1599	Bunbury Shallow BS27D	380139	6294248	37.7	87.0	72.0	87.0	>15
1600	BUNBURY WITTENOOM ST	373039	6311548	16.4	37.9	2.0	22.9	21
1607	BUNBURY TECHNICAL SCHOOL	374839	6307348	24.2	62.2	2.4	50.0	48
1621	Eaton Townsite 4--83	379939	6311398	14.5	211.8	75.0	92.0	17
1633	BOYANUP TWS 23408	381658	6294932	38.9	222.5	109.7	178.6	69
1668	612 - COLLIE RIVER BASIN EATON NO 3	384889	6295304	79.8	998.0	305.0	360.0	48
7704632	KARRIDALE LINE KL6A1 [1 IN PIPE]	373139	6216948	104.9	1605.1	22.0	122.0	100
7704666	KARRIDALE LINE KL7A1 [1 IN PIPE]	382155	6216223	123.3	1682.0	232.0	261.0	29
8526285	Boyanup Townsite 2--87	381339	6294548	39.9	126.0	94.0	126.0	32
8526288	Boyanup Townsite 1--87	381839	6295048	37.0	177.0	112.0	177.0	65
8532330	SCOTT COASTAL PLAIN SC14A	354151	6202642	25.2	84.7	80.0	84.7	>60
11828238	DONNYBROOK - BLACKWOOD PLATEAU DNB-1D	382565	6291149	64.1	170.0	165.0	170.0	5
11828290	DONNYBROOK - BLACKWOOD PLATEAU DNB-2D	385527	6287272	55.4	300.0	291.0	300.0	>9
20004387	Dew 1	356015	6200531	27.3	138.0	60.0	83.0	23
20004392	Scott River No 3	352418	6206205	21.7	190.4	91.0	104.0	13
20005213	610 - BUSSELTON COAST BASIN NO 3 ABBA RIVER	357509	6267277	37.0	466.0	57.6	64.0	6
20009836	607 - WARREN RIVER BASIN WARREN NO 1	400607	6173128	24.2	24.7	14.9	24.7	>10
20009838	UKNWN4	395078	6171020	45.9	96.0	86.0	96.0	>10
20010006	Birnie	367323	6226642	51.0	26.0	24.0	26.0	>2
20010691	609 - BLACKWOOD RIVER BASIN DDH JW1	376655	6259984	132.0	76.2	71.8	76.2	4.42
20010692	609 - BLACKWOOD RIVER BASIN DDH JW2	376487	6259674	129.0	75.7	64.9	75.7	10.79
20010875	610 - BUSSELTON COAST BASIN BORE - BUSQUETS	374158	6282447	41.0	18.3	9.1	13.7	>5
20010937	610 - BUSSELTON COAST BASIN NO 2 WESTRALIAN SANDS	375735	6281021	64.3	207.3	46.0	104.9	58.83
20010938	610 - BUSSELTON COAST BASIN NO 1	375197	6280545	58.0	211.8	31.7	109.7	78.03
20010939	610 - BUSSELTON COAST BASIN YOGANUP EXTENDED NO 3	376234	6281659	66.1	244.0	40.0	124.0	84
20011008	610 - BUSSELTON COAST BASIN DIGESTER BORE	380505	6287489	77.7	83.2	83.2	83.2	>0
20011381	610 - BUSSELTON COAST BASIN BORE 2018	366664	6277982	37.7	22.3	17.4	22.3	4.88
20011490	610 - BUSSELTON COAST BASIN YOGANUP NO 1	371065	6275645	55.1	278.9	48.8	78.0	29
20011491	610 - BUSSELTON COAST BASIN YOGANUP NO 2	370845	6275585	54.0	110.0	38.4	79.3	41
20012231	612 - COLLIE RIVER BASIN BORE	383981	6310342	16.1	31.1	7.3	8.2	1

Object ID	General Context	Easting	Northing	GL	EOH	Top (m)	Base (m)	Thickness (m)
20012428	611 - PRESTON RIVER BASIN BUNBURY BREWERY B2-1	372950	6312529	17.0	34.1	3.7	33.2	>30
20012432	611 - PRESTON RIVER BASIN BUTTER FACTORY B2-5 ARTEESIAN	373203	6311978	7.0	29.4	4.4	23.8	19
20012433	611 - PRESTON RIVER BASIN NO 1 TOWN WELL SUPPLY B2-6	373032	6311800	11.0	44.8	7.3	29.9	23
20012435	611 - PRESTON RIVER BASIN BUNBURY NO 1 B2-8 ARTESIAN	373373	6311738	8.0	9.1	3.1	9.1	
20012446	611 - PRESTON RIVER BASIN BUNBURY NORTH SHORE BORE B3-2	374379	6312384	2.6	18.3	8.8	15.9	>7
20012447	611 - PRESTON RIVER BASIN BUNBURY NORTH SHORE BORE B3-3	374429	6312391	1.9	18.3	8.8	15.9	>7
20012448	611 - PRESTON RIVER BASIN BUNBURY POWERHOUSE NO 4	374746	6312296	9.9	26.1	12.5	17.7	5
20012449	611 - PRESTON RIVER BASIN QUARANTINE STATION B3-5-BUNBURY 1	374959	6312249	5.0	27.4	18.0	27.4	>9
20012450	611 - PRESTON RIVER BASIN SEC 3 - BUNBURY 2	374888	6312319	8.7	37.6	19.8	37.6	>18
20012451	611 - PRESTON RIVER SEC 2 - BUNBURY	375087	6312404	0.0	61.6	19.8	61.6	>42
20012452	611 - PRESTON RIVER BASIN NO 1 BUNBURY POWER STATION-BUNB 2	375378	6312893	2.9	61.3	14.0	61.3	>47
20012453	611 - PRESTON RIVER BASIN MILL POINT B3-9- BUNBURY 2	375847	6312709	7.0	21.1	16.5	21.1	>5
20012506	611 - PRESTON RIVER BASIN BUNBURY 2 DENNINGS C3-32	375914	6310931	4.0	15.2	15.2	15.2	>0
20012508	611 - PRESTON RIVER BASIN BUNBURY 2 DENNING C3-33	375922	6310528	5.3	39.6	15.2	18.3	3
20012512	611 - PRESTON RIVER BASIN BUNBURY 2 C3-46	375417	6310051	6.2	15.2	12.2	15.2	>3
20012513	611 - PRESTON RIVER BASIN BUNBURY 2 C3-45	375741	6310347	5.2	34.8	17.4	34.4	>17
20012514	611 - PRESTON RIVER BASIN BUNBURY 2 NO. 4 C3-44	375392	6310295	4.5	12.2	12.2	12.2	>0
20012519	611 - PRESTON RIVER BASIN BUNBURY 2 C3-42	375392	6310350	5.1	12.2	9.1	12.2	>3
20012549	611 - PRESTON RIVER BASIN BUNBURY 2 PRESTON RIVER C4-31	376264	6310580	6.7	38.5	37.8	38.5	>1
20012628	611 - PRESTON RIVER BASIN BUNBURY TEST BORE NO. 4 D2-53	374333	6308711	5.4	38.1	11.6	12.2	1
20012651	612 - COLLIE RIVER BASIN LA PORTE NO 1	381935	6317459	0.3	229.8	103.6	139.6	36
20012655	612 - COLLIE RIVER BASIN LA PORTE NO 5	379484	6314665	2.8	213.4	120.1	131.7	12
20012656	612 - COLLIE RIVER BASIN EATON NO. 1	379663	6313096	6.7	228.6	172.2	186.8	14.63
20012665	611 - PRESTON RIVER BASIN SANDRIDGE PARK C3-47A	375323	6309987	8.9	36.0	14.0	33.5	>20
20012721	612 - COLLIE RIVER BASIN EATON NO 2	379625	6313128	6.7	213.4	177.4	189.0	12
20012722	611 - PRESTON RIVER BASIN 129 CABLE (1956) LTD	374480	6312416	2.5	39.9	10.6	22.0	11
20012726	611 - PRESTON RIVER BASIN 178 HIGH SCHOOL	372670	6311570	31.0	57.6	20.7	44.2	23
20012888	611 - PRESTON RIVER BASIN 364	374953	6308748	14.0	8.2	4.3	8.2	3.96
20012957	612 - COLLIE RIVER BASIN NO. 6 LA PORTE	379593	6314896	-0.2	161.5	64.0	133.5	69
20012968	611 - PRESTON RIVER LAND BORE 1	375086	6312247	5.0	21.3	18.3	21.3	>3
20012969	611 - PRESTON RIVER BASIN LAND BORE 2	375450	6311784	9.0	21.3	15.9	21.3	>5
20012970	611 - PRESTON RIVER BASIN LAND BORE 3	375747	6312353	7.0	16.5	15.5	16.5	>1
20012971	611 - PRESTON RIVER BASIN LAND BORE 4	375559	6312106	0.0	17.4	15.2	17.4	>2
20012972	611 - PRESTON RIVER BASIN LAND BORE 5	375880	6312167	5.0	18.6	15.9	18.6	>3
20012973	611 - PRESTON RIVER BASIN LAND BORE 6	375507	6311931	0.0	14.2	12.2	14.2	>2
20012975	611 - PRESTON RIVER BASIN LAND BORE 8	375207	6312137	6.0	16.3	14.9	16.3	>1
20012976	611 - PRESTON RIVER BASIN LAND BORE 9	375544	6311991	0.0	13.4	11.9	13.4	>2
20012977	611 - PRESTON RIVER BASIN LAND BORE 10	375453	6311876	5.0	14.3	13.1	14.3	>1
20012978	611 - PRESTON RIVER BASIN OFF SHORE BORE 1	374389	6312755	0.0	13.0	12.6	13.0	>0
20012979	611 - PRESTON RIVER BASIN OFF SHORE BORE 2	374350	6312679	0.0	13.1	12.2	13.1	>1
20012980	611 - PRESTON RIVER BASIN OFF SHORE NO. 3	374436	6312612	0.0	12.9	12.2	12.9	>1
20012981	611 - PRESTON RIVER BASIN OFF SHORE NO. 4	374400	6312669	0.0	16.2	13.7	16.2	>2
20012982	Harbours & Rivers Offshore bore 5	374091	6312820	0.0	17.1	14.6	15.2	>1
20012983	611 - PRESTON RIVER BASIN OFF SHORE BORE NO. 6	374518	6312692	0.0	15.2	10.7	15.2	>5
20012984	611 - PRESTON RIVER BASIN OFF SHORE BORE NO. 7	374208	6312702	0.0	14.3	11.3	14.3	>3

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20013013	VITTORIA SEC POWERHOUSE 1-69 SOUTH	375453	6312705	5.9	79.7	17.4	62.5	45
20013014	611 - PRESTON RIVER BASIN SEC POWERHOUSE 2-69 NORTH	375504	6312814	7.0	81.4	16.8	65.8	49
20013018	USHER ARTESIAN BORE NO 2	374165	6306670	6.6	79.9	75.0	75.6	
20013021	612 - COLLIE RIVER BASIN EATON NO 3	379663	6313094	6.7	518.0	54.0	61.3	7
20013029	611 - PRESTON RIVER BASIN CABLE (1956) LTD	374461	6312358	4.0	38.7	15.2	26.8	12
20013034	611 - PRESTON RIVER BASIN CABLE SANDS NO 4	374425	6312348	3.4	44.2	9.6	19.8	10
20013049	611 - PRESTON RIVER BASIN HAY PARK 1	373816	6307655	4.6	56.4	9.1	12.2	3
20013050	611 - PRESTON RIVER BASIN 5 MGR - 2 - 75	374770	6307405	27.5	66.5	9.1	51.5	42
20013051	COLLEGE GROVE 5 MGR - 1 - 75	374559	6307407	19.3	52.7	6.1	39.6	34
20013073	611 - PRESTON RIVER BASIN MELALEUCA PARK	375412	6308490	13.0	55.5	7.6	44.8	37
20013077	COLLEGE GROVE RING ROAD 5 MGR NO. 3	375022	6307397	20.8	89.3	9.8	51.5	42
20013087	612 - COLLIE RIVER BASIN AUSTRALIND 1-78 PROD	380515	6318416	8.4	158.0	74.0	74.2	0.2
20013124	611 - PRESTON RIVER BASIN BORE	374611	6308005	7.3	13.2	13.2	13.2	>0
20013260	VITTORIA BUNBURY PORT AUTHORITY PROD NO 1	375055	6312196	5.0	55.7	10.6	21.7	
20013279	611 - PRESTON RIVER BASIN BUNBURY COLLEGE ADV EDUC	374954	6307300	22.7	96.0	17.6	67.0	49
20013287	LESCHENAULT BORE NO 1	376819	6314365	5.0	95.0	48.9	60.8	11.93
20013289	612 - COLLIE RIVER BASIN EFFLUENT TREATMENT AREA	379894	6315716	1.8	58.0	58.0	58.0	>0
20013294	611 - PRESTON RIVER BASIN REPLACEMENT BORE NO 5	374455	6312327	4.4	45.5	14.0	25.5	12
20013298	Koppers Timber Preservation Bore No 1 (replacement)	380527	6307955	14.0	8.2	7.3	8.2	1
20013302	PICTON EAST BORE NO 1 (REPLACEMENT)	380698	6307793	19.0	31.1	7.3	8.2	0.9
20013310	Malatesta	380389	6308548	18.3	56.3	8.6	10.9	2
20013311	CAREY PARK COMPANY	374808	6308392	11.0	55.0	2.5	43.0	40.5
20013335	EAST BUNBURY COMPANY	375968	6309638	10.9	59.0	3.9	46.5	43
20013737	611 - PRESTON RIVER BASIN SUNNY WEST BOYANUP	382007	6294334	40.0	264.9	126.2	211.5	85
20013742	611 - PRESTON RIVER BASIN BUNBURY PRISON	376110	6305365	16.6	73.2	18.0	61.0	43
20013866	COLLEGE GROVE VEGETABLE GARDEN BORE	376373	6305320	25.0	87.7	24.5	77.2	52.7
20013960	GELORUP PRIVATE	373295	6300910	32.8	29.0	9.0	18.0	9
20013973	GELORUP BORE NO 1	375246	6303119	24.0	92.0	4.4	74.0	69.6
20014184	MYALUP COMPANY	381437	6339869	8.1	118.9	118.3	118.4	0.15
23017608	Blackwood Plateau 24A Nj/02	382297	6245995	157.4	196.0	185.0	193.0	>8
23017635	Blackwood Plateau 36C BA/03	371253	6216840	101.4	184.0	51.0	67.0	16
23017648	Blackwood Plateau 44B BE03	369683	6238576	103.1	207.0	66.0	78.0	12
23033304	SW Health Campus PB1	374283	6307368	6.8	90.5	13.8	14.0	>0
23039120	Tucker Tuck-PB1	367871	6275924	42.0	150.2	42.3	67.8	26
49741294	294	393216	6178606	96.9	11.5	11.0	11.5	-
49741295	295	393323	6178741	93.7	11.5	11.0	11.5	-
49741296	296	393340	6178754	89.8	13.5	13.0	13.5	-
49741297	297	393363	6178936	97.5	12.0	11.0	12.0	-
497412501	2501	393205	6179294	92.9	11.5	11.0	11.5	-
510402415	2415	360504	6199296	24.4	17.5	16.0	17.5	-
510403687	3687	355440	6201420	22.0	43.5	42.0	43.5	-
510403695	3695	356018	6201044	27.0	39.0	38.0	39.0	-
510403734	3734	354910	6200396	24.7	45.0	44.0	45.0	-
510404617	4617	356239	6201212	24.5	39.5	39.0	39.5	-
510404619	4619	356324	6201102	29.5	41.7	41.0	41.7	-

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52647RS0189	RS0189	375133	6301601	23.0	13.5	9.0	13.5	>4.5
52647RS0190	RS0190	375318	6301604	24.0	6.0	4.5	6.0	-
52647RS0191	RS0191	375419	6301608	25.0	6.0	4.5	6.0	-
52647RS0192	RS0192	375528	6301604	25.0	9.0	7.5	9.0	-
52647RS0193	RS0193	375629	6301604	24.0	10.5	7.5	10.5	-
52647RS0194	RS0194	375730	6301605	24.0	15.0	9.0	15.0	>6
52647RS0195	RS0195	375837	6301605	24.0	12.0	10.5	12.0	-
52647RS0196	RS0196	375938	6301608	27.0	16.5	15.0	16.5	-
52647RS0197	RS0197	376058	6301612	30.0	13.5	12.0	13.5	-
52647RS0198	RS0198	376159	6301612	28.0	22.5	21.0	22.5	-
52647RS0199	RS0199	376260	6301614	27.0	16.5	15.0	16.5	-
52647RS0200	RS0200	376359	6301616	28.0	18.0	15.0	18.0	-
52647RS0211	RS0211	375317	6303282	22.0	9.0	4.5	9.0	>4.5
52647RS0212	RS0212	375706	6303290	21.0	10.5	4.5	10.5	>6
52647RS0213	RS0213	375909	6303290	21.0	10.5	9.0	10.5	-
52647RS0214	RS0214	376131	6303302	21.0	15.0	12.0	15.0	-
52647RS0215	RS0215	376378	6303302	20.0	18.0	16.5	18.0	-
52647RS0220	RS0220	375691	6304957	20.0	18.0	16.5	18.0	-
52647RS0221	RS0221	375787	6304986	20.0	19.5	16.5	19.5	-
52647RS0222	RS0222	375887	6304989	22.0	22.5	21.0	22.5	-
52647RS0223	RS0223	376090	6304977	22.0	18.0	16.5	18.0	-
52647RS0224	RS0224	376287	6304957	22.0	16.5	13.5	16.5	-
5.32E+12	91357584	375840	6191350	42.2	15.0	13.0	15.0	-
5.32E+12	91407580	375800	6191400	42.1	9.0	6.0	9.0	-
5.32E+12	91457588	375880	6191450	42.0	10.0	9.0	10.0	-
5.32E+12	91507584	375840	6191500	42.5	9.0	8.0	9.0	-
5.32E+12	91507588	375880	6191500	42.3	10.0	8.0	9.0	-
5.32E+12	91607564	375640	6191600	42.5	9.0	8.0	9.0	-
5.32E+12	91707552	375520	6191700	42.3	17.0	16.0	17.0	-
5.32E+12	91707556	375565	6191700	42.6	18.0	17.0	18.0	-
5.32E+12	91707568	375680	6191700	43.3	24.0	21.0	24.0	-
5.32E+12	91807544	375440	6191800	42.3	17.3	16.0	17.0	-
56365KB-100	KB-100	375396	6301504	10.0	10.0	8.0	10.0	-
56365KB-200	KB-200	375390	6301403	10.0	15.0	13.0	15.0	-
61971TS0407	TS0407	361207	6267465	53.0	15.0	14.0	15.0	-
6243210637	10637	359826	6267438	38.0	30.0	29.0	30.0	-
6243213607	13607	361453	6267243	61.0	15.0	14.0	15.0	-
6256111061	11061	357911	6197989	29.0	37.0	36.0	37.0	-
6256111063	11063	357763	6197800	30.0	34.0	33.0	34.0	-
6256111067	11067	357695	6197323	32.0	46.0	43.0	44.0	-
6256111069	11069	357412	6198453	26.9	31.0	30.0	31.0	-
6256111073	11073	356727	6198428	24.4	27.0	26.0	27.0	-
6256111074	11074	356486	6198351	19.7	22.0	20.0	22.0	-
6256111075	11075	356395	6198249	21.4	27.0	25.0	27.0	-
6256111076	11076	356362	6198228	21.7	26.0	25.0	26.0	-

Object ID	General Context	Easting	Northing	GL	EOH	Top (m)	Base (m)	Thickness (m)
6256111504	11504	349871	6201637	20.0	21.0	18.0	19.0	-
6256111513	11513	348483	6202249	19.0	14.0	13.0	14.0	-
6256111514	11514	348439	6202060	13.0	21.0	11.0	12.0	-
6256111521	11521	347503	6202701	30.0	23.0	20.0	21.0	-
6256111522	11522	347640	6202482	25.0	20.0	19.0	20.0	-
68753CV060	CV060	366891	6278140	22.0	9.0	6.0	9.0	-
68753CV061	CV061	366948	6278078	22.0	3.0	1.5	3.0	-
68753CV063	CV063	366430	6278362	22.0	24.0	22.5	24.0	-
68753CV064	CV064	366315	6278362	22.0	24.0	22.5	24.0	-
68753CV066	CV066	366144	6278999	22.0	19.0	18.0	19.0	-
68753CV067	CV067	366144	6278888	22.0	22.5	18.0	22.5	>4.5
68753CV068	CV068	366144	6278777	22.0	21.0	19.5	21.0	-
68753CV069	CV069	366144	6278665	22.0	24.0	21.0	24.0	-
68753CV070	CV070	366144	6278554	22.0	24.0	22.5	24.0	-
68753CV071	CV071	366157	6278443	22.0	24.0	22.5	24.0	-
68753CV072	CV072	366081	6279057	22.0	21.0	18.0	21.0	-
68753CV073	CV073	366025	6279114	22.0	19.5	18.0	19.5	-
68753CV074	CV074	365969	6279172	22.0	18.0	16.5	18.0	-
68753YX7326	YX7326	374072	6282333	39.7	9.0	7.0	8.0	-
68753YX7330	YX7330	374035	6282366	39.4	21.0	20.0	21.0	-
68753YX7339	YX7339	374016	6282249	41.4	7.0	6.0	7.0	-
68753YX7341	YX7341	373951	6282174	40.6	6.0	5.0	6.0	-
70912AP313	AP313	350483	6260527	79.5	9.0	4.0	5.0	-
70912AP315	AP315	350489	6260604	77.5	9.0	6.0	7.0	-
70912CS1159	CS1159	361217	6278653	19.3	12.0	0.0	1.0	-
70912TW1212	TW1212	368181	6278280	34.2	17.0	16.0	17.0	-
70912TW1255	TW1255	367713	6278043	35.9	21.0	20.0	21.0	-
70912TW1260	TW1260	367691	6277994	36.1	18.0	15.0	18.0	-
70912TW1261	TW1261	367677	6278008	36.0	17.0	15.0	17.0	-
70912TW1262	TW1262	367663	6278022	35.4	17.0	15.0	17.0	-
70912TW1263	TW1263	367649	6278036	34.9	16.0	15.0	16.0	-
70912TW1265	TW1265	367642	6277973	35.6	10.0	9.0	10.0	-
70912TW1682	TW1682	367375	6278243	33.2	7.0	6.0	7.0	-
70912TW1683	TW1683	367319	6278300	32.9	9.0	6.0	9.0	-
70912YX7583	YX7583	375508	6282148	43.4	12.0	11.0	12.0	-
70912YX7584	YX7584	375485	6282168	43.0	12.0	10.0	12.0	-
70912YX7585	YX7585	375570	6282196	43.2	12.0	10.0	12.0	-
70912YX7587	YX7587	375592	6282176	43.6	12.0	11.0	12.0	-
70912YX7589	YX7589	375615	6282157	44.3	14.0	13.0	14.0	-
70912YX7591	YX7591	375596	6282272	42.7	12.0	11.0	12.0	-
70912YX7592	YX7592	375608	6282263	42.9	12.0	11.0	12.0	-
70912YX7593	YX7593	375649	6282127	44.4	14.0	13.0	14.0	-
70912YX7595	YX7595	375694	6282088	46.4	17.0	16.0	17.0	-
70912YX7598	YX7598	375106	6282142	41.9	8.0	7.0	8.0	-
71681GB024	GB024	352859	6212040	31.2	25.0	24.0	25.0	-

Object ID	General Context	Easting	Northing	GL	EOH	Top (m)	Base (m)	Thickness (m)
71681GB098	GB098	353161	6209998	27.2	10.0	9.0	10.0	-
71681GB110	GB110	352801	6209520	24.8	9.0	8.0	9.0	-
75398TS1049	TS1049	366521	6271383	56.1	13.0	11.0	15.0	-
75398TS1157	TS1157	360540	6266838	40.0	6.0	23.0	24.0	-
79307TS1163	TS1163	360088	6267247	40.3	18.0	17.0	18.0	-
79307TS1164	TS1164	360110	6267316	43.1	15.0	10.0	15.0	5
79307TS1165	TS1165	360056	6267368	41.2	15.0	14.0	15.0	-
87174CV056	CV056	366661	6278362	22.0	24.0	21.0	22.5	-
87174CV063	CV063	366430	6278362	22.0	24.0	22.5	24.0	-
87174CV064	CV064	366315	6278362	22.0	24.0	22.5	24.0	-
87174CV066	CV066	366144	6278999	22.0	19.0	18.0	19.0	-
87174CV067	CV067	366144	6278888	22.0	22.5	18.0	22.5	>4.5
87174CV068	CV068	366144	6278777	22.0	21.0	19.5	21.0	-
87174CV069	CV069	366144	6278665	22.0	24.0	19.5	24.0	>4.5
87174CV070	CV070	366144	6278554	22.0	24.0	21.0	24.0	-
87174CV071	CV071	366157	6278443	22.0	24.0	21.0	24.0	-
87174CV072	CV072	366081	6279057	22.0	21.0	18.0	21.0	-
87174CV073	CV073	366025	6279114	22.0	19.5	18.0	19.5	-
87174CV074	CV074	365969	6279172	22.0	18.0	15.0	18.0	-
87174CV226	CV226	366622	6279280	22.0	27.0	21.0	24.0	-
87174CV228	CV228	366705	6279144	22.0	27.0	21.0	22.5	-
87174CV232	CV232	367085	6279350	22.0	21.0	16.5	19.5	-
87174TR044	TR044	369499	6276332	35.0	12.0	9.0	12.0	-
87174TR091	TR091	369436	6276382	35.0	12.0	10.0	12.0	-
87174TR157	TR157	369686	6276182	35.0	5.3	5.0	6.0	-
87174TR158	TR158	369747	6276133	35.0	9.0	2.0	9.0	>7
87174TW2036	TW2036	365644	6277436	32.4	18.0	12.0	13.0	-
87174TW2038	TW2038	365560	6277522	31.5	18.0	13.0	14.0	-
87174WY1285	WY1285	367516	6276490	38.1	12.0	11.0	12.0	-
87174WY1286	WY1286	367497	6276525	37.8	11.0	10.0	11.0	-
87174WY1287	WY1287	367477	6276560	37.9	11.0	10.0	11.0	-
87174WY1289	WY1289	367438	6276630	37.7	11.0	10.0	11.0	-
87174WY1290	WY1290	367419	6276665	37.6	10.0	9.0	10.0	-
87174WY1291	WY1291	367399	6276700	37.4	10.0	9.0	10.0	-
87174WY1292	WY1292	367380	6276735	37.2	9.0	8.0	9.0	-
BHP Minerals Pty Ltd SR25	BHP Minerals Pty Ltd SR25	350320	6203084	10.1	84.5	84.0	84.5	-
BHP Minerals Pty Ltd SR26	BHP Minerals Pty Ltd SR26	354368	6205860	21.0	77.5	77.0	77.5	-
BHP Minerals Pty Ltd SR27	BHP Minerals Pty Ltd SR27	357788	6209764	32.9	93.5	93.0	93.5	-
BHP Minerals Pty Ltd SR28	BHP Minerals Pty Ltd SR28	355011	6208951	28.0	74.5	74.0	74.5	-
BHP Minerals Pty Ltd SR29	BHP Minerals Pty Ltd SR29	353370	6209172	25.5	92.5	92.0	92.5	-
BHP Minerals Pty Ltd SR30	BHP Minerals Pty Ltd SR30	353340	6211082	31.0	86.5	86.0	86.5	-
BHP Minerals Pty Ltd SR31	BHP Minerals Pty Ltd SR31	353283	6213084	38.8	101.0	91.0	101.0	>10
BHP Minerals Pty Ltd SR38	BHP Minerals Pty Ltd SR38	354048	6201818	49.9	88.5	88.0	88.5	-
BHP Minerals Pty Ltd SR5	BHP Minerals Pty Ltd SR5	352230	6208476	21.8	115.5	115.0	115.5	-
BHP Minerals Pty Ltd SR6	BHP Minerals Pty Ltd SR6	354394	6205860	21.0	85.5	85.0	85.5	-

Object ID	General Context	Easting	Northing	GL	EOH	Top (m)	Base (m)	Thickness (m)
BHP Minerals Pty Ltd SR7	BHP Minerals Pty Ltd SR7	356911	6208549	28.0	102.5	102.0	102.5	-
BHP Minerals Pty Ltd SR8	BHP Minerals Pty Ltd SR8	357569	6207296	23.0	89.5	89.0	89.5	-
BHP Minerals Pty Ltd SR9	BHP Minerals Pty Ltd SR9	355431	6206647	21.2	83.5	83.0	83.5	-
Bunbury City No. 2	Bunbury City No. 2	374188	6306694	8.2	93.5	75.0	75.6	>1
Bunbury Port Authority PB1	Bunbury Port Authority PB1	375358	6312829	5.8	86.5	10.6	21.7	11
Bunbury Regional Prison No 2	Bunbury Regional Prison No 2	376178	6305414	14.4	88.5	24.5	77.2	53
Bunbury trotting club U1	Bunbury trotting club U1	374799	6308368	14.0	222.5	2.5	43.0	41
Cable Sands gwin GPB1	Cable Sands gwin GPB1	379181	6286509	48.0	92.0	50.0	92.0	42
Calm	Calm	376742	6314450	10.0	81.4	48.9	60.8	12
Canebreak 1	Canebreak 1	359150	6205447	27.9	1000.0	45.0	150.0	105
Capel Farms JASPB1	Capel Farms JASPB1	356740	6266150	41.2	92.0	84.0	92.0	8
CSR Ready Mix PB1	CSR Ready Mix PB1	377056	6308184	11.3	52.7	22.0	22.5	1
Dixon PB1	Dixon PB1	374293	6303631	19.7	38.1	12.8	36.6	24
Donnybrook DDB7	Donnybrook DDB7	390159	6282343	126.4	607.5	143.0	193.0	50
Donnybrook DDB8	Donnybrook DDB8	390005	6262347	254.6	556.0	174.0	230.3	56.3
Glen Iris Pilot AQWEST	Glen Iris Pilot AQWEST	377780	6309600	9.2	80.8	230.0	295.0	65
Johnson PB1	Johnson PB1	362771	6267003	65.7	1447.5	29.0	36.4	>7
PM, JA & RE Johnson Deep	PM, JA & RE Johnson Deep	361800	6267400	61.8	76.9	37.0	76.9	40
PM, JA & RE Johnson PJPB1	PM, JA & RE Johnson PJPB1	361803	6267348	67.0	295.0	25.7	41.5	16
SW Health Campus No.1	SW Health Campus No.1	374100	6306863	4.7	14.4	13.8	14.4	1
Tech 1 (West) AQWEST	Tech 1 (West) AQWEST	374577	6307431	23.5	41.0	5.0	41.0	36
Tucker Tuck-PB2	Tucker Tuck-PB2	367800	6275900	43.0	60.0	49.0	60.0	11
UKNWN1	UKNWN1	380505	6277982	106.7	22.3	17.4	22.3	>5
UKNWN2	UKNWN2	373199	6300898	40.8	18.0	9.0	18.0	9
UKNWN3	UKNWN3	375224	6303131	24.0	7.4	4.4	7.4	3

Appendix B1

Interactive 3D Model of the Bunbury Basalt

This 3D Model of the Bunbury Basalt allows the user to change views, toggling layers and querying elevation and XY/Lat–Long coordinates. This page provides information on how to use the model; for information on how it was created, please refer to the main journal article.

To zoom-in, rotate and pan the model

By using the toolbars directly above the 3D model [ ], the left icon allows you to change what viewing mode to use. Alternatively, pressing and holding *Ctrl* or *Alt*, and pressing and holding the left mouse button allows you to pan, and using the mouse wheel allows you to zoom.

To toggle layers on and off

Layers may be found in the model tree. Adobe Reader or Acrobat has the model tree closed by default. To open it, click on the model tree icon in the model toolbar

, which will open the model tree.

Expand the model to the view below, and then use the tick icons on each layer to turn it on or off. Unfortunately the horizons could not be renamed.

- Horizon = Top Bunbury Channel
- Horizon-2 = Base Bunbury Channel
- Horizon-3 = Top Donnybrook Channel
- Horizon-4 = Base Donnybrook Channel

Querying elevation and position

Unfortunately, PDF's are not in-built with an identify tool. As such, querying will have to be done visually, by contrasting elevation colours to the legend on this page, and estimating its XY coordinates using the gridlines (increments of 10,000 m) or tickmarks for Lat–Long coordinates, and comparing it to the coordinate values on this page.

The user is discouraged to use the measurement tool, as: (a) it tends to be imprecise, and; (b) since a vertical exaggeration of 15 was used, all vertical components will be amplified 15 times.