

00036	1/1/14	D Briggs, T Brown	Outcrop in trackside (track R), ca. 50 metres below trig point	1599502	5407548	413	Outcrop	Sandstone	Well-bedded, yellow-brown medium-grained sandstone in band ca. 1 metre thick; gently folded	54	130			
00037	1/1/14	D Briggs	Scree and in situ rock on lower slope of valley	1599426	5407526		Outcrop					Y	Warepan	Location approximate; needs checking
00038	1/1/14	D Briggs	Outcrop on trackside	1599430	5407037		Outcrop					Y	Warepan	Location approximate; needs checking
00039	1/1/14	D Briggs	Outcrop on trackside	1599480	5407231		Outcrop					Y	Warepan	Location approximate; needs checking
00040	1/1/14	I Ladds		1598967	5407105							Y		Location approximate; needs checking
00041	1/1/14	I Ladds		1599101	5407340							Y		Location approximate; needs checking
00042	1/1/14	I Ladds		1599116	5407597							Y		Location approximate; needs checking
00043	1/1/14	I Ladds		1599230	5407520							Y		Location approximate; needs checking
00044	1/1/14	I Ladds		1599447	5407486							Y		Location approximate; needs checking
00045	1/1/14	I Ladds		1599532	5407375							Y		Location approximate; needs checking
00046	1/1/14	I Ladds		1599582	5407290							Y		Location approximate; needs checking
00047	1/1/14	I Ladds		1599512	5407171							Y		Location approximate; needs checking
00048	1/1/14	I Ladds		1599524	5406982							Y		Location approximate; needs checking
00049	10/1/14	I Ladds	Outcrops, scree and boulders in lower section of Gully A	1600300	5407920		Scree	Siltstone	Siltstones, sandstones and rare conglomerates			Y		General area; co-ordinates indicative
00050	14/4/15	D Briggs	Scree at head of Gully A	1600301	5407493		Scree	Siltstone	Siltstones, sandstones and rare conglomerates					
00051	14/4/15	E Fordyce and others	Scree and boulder fields in upper part of Gully A	1600452	5408038	321	Scree	Siltstone	Siltstone and sandstone with some tuff/volcanics and occasional conglomerate; brachiopods and A punctifera			Y	Kaihikuan	General area; co-ordinates indicative
00052	14/4/15	E Fordyce and others	Scree and boulder fields in upper part of Gully A	1600260	5407767	235	Scree		Brachiopods					
00053	14/4/15	E Fordyce and others	Scree and boulder fields in upper part of Gully A	1600340	5407727	243	Scree							
00054	14/4/15	E Fordyce and others	Scree and boulder fields in upper part of Gully A	1600565	5407656	269	Scree							
00055	10/7/15	D Toole and others	Scree and blockfields in Grandfather's Gully	1599208	5407577	308	Blockfield		Monotis, plant fragments, bivalve and M problematiuca			Y		

00056	10/7/15	D Toole and others	Scree and blockfields in Grandfather's Gully	1599228	5407543	314	Blockfield		Monotis and plant fragments			Y		
00057	10/7/15	D Toole and others	Scree and blockfields in Grandfather's Gully	1599161	5407412	333	Blockfield		Thickly packed Monotis in large blocks			Y		
00058	10/7/15	D Toole and others	Scree and blockfields in Grandfather's Gully	1599163	5407383	334	Blockfield	Conglomerate	Band of conglomerate with Monotis bed below			Y		
00059	10/7/15	D Toole and others	Scree and blockfields in Grandfather's Gully	1599220	5407354	346	Blockfield	Sandstone	Coarse grained sandstone with small quartz fragments			Y		
00060	10/7/15	D Toole and others	Scree and blockfields in Grandfather's Gully	1599229	5407333	353	Blockfield	Sandstone	Monotis shell in coarse sandstone			Y		
00061	15/8/15	T Brown, I Ladds	Bedrock outcrop by the road near the stream junction	1600013	5407865	219	Outcrop							
00062	15/8/15	T Brown, I Ladds	Rock outcrop, containing in situ M problematica	1599934	5407564	252	Outcrop					Y		
00063	15/8/15	T Brown, I Ladds	Rock outcrop, containing in situ M problematica	1599914	5407499	264	Outcrop					Y		
00064	15/8/15	T Brown, I Ladds	Large boulder, showing unusual notches, beside stream	1600074	5407750	226	Boulder					Y		Dinosaur tail trail markings in boulder
00065	15/8/15	T Brown, I Ladds	Boulder	1600042	5407735	226	Boulder							
00066	15/8/15	T Brown	"Cave" Entrance outcrop.	1599980	5407436	261	Outcrop	Siltstone						Complex folding
00067	15/8/15	T Brown	Rock outcrop	1600001	5407451	262	Outcrop	Sandstone	Coarse-grained sandstone			Y		Contains larger clasts
00068	15/8/15	T Brown	Rock outcrop	1600044	5407450	294	Outcrop	Sandstone	Medium-grained sandstone, with clasts					
00069	15/8/15	T Brown	Scree	1600096	5407641	280	Scree	Sandstone				Y		Previously <i>Athyris wreyi</i>
00070	15/8/15	T Brown	Ridge between Gully C and 88 Valley Stream	1600120	5407682	277	Outcrop	Siltstone	Siltstone (thin bands)					
00071	22/8/15	M Davies	Scree and boulder fields in middle section of Gully A	1600422	5408165	293	Scree	Siltstone	Siltstone and sandstone with some tuff/volcanics and occasional conglomerate; <i>Rhynchonella zealandica</i>			Y	Kaihikuan	General area; co-ordinates indicative
00072	22/8/15	E Fordyce	Scree and boulder fields in middle section of Gully A	1600513	5407928	293	Scree		<i>Alipunctifera kaihikuana</i> , <i>Daonella apteryx</i>					
00073	22/8/15	K Bourne	Scree and boulder fields in middle section of Gully A	1600451	5408034	322	Scree		<i>Alipunctifera kaihikuana</i>					
00074	22/8/15	D Briggs	Scree and boulder fields in middle section of Gully A	1600422	5408165	347	Scree		<i>Rhynchonella zealandica</i>					
00075	22/8/15	E Fordyce	Scree and boulder fields in middle section of Gully A	1600672	5408026	410	Scree		<i>Alipunctifera kaihikuana</i>					
00076	22/8/15	E Fordyce and others	Scree and boulder fields in middle section of Gully A	1600679	5408025	404	Scree		<i>Daonella apteryx</i> - 5-6 samples each containing 1-4 shells					
00077	22/8/15	E Fordyce	Scree and boulder fields in middle section of Gully A	1600701	5407995	408	Scree		Plant fragment (twig from land plant)					

00078	11/1/16	D Briggs	Section by creek	1599863	5407948		Outcrop	Sandstone	Fine-grained sandstone, with nodules	60	152			
00079	11/1/16	I Ladds	Scree slope	1599943	5407953	220	Scree					Y		
00080	11/1/16	T Brown	Rock outcrop above scree	1599949	5407958	232	Outcrop	Sandstone	Fine-grained sandstone, with nodules					Calcareous cavity nearby
00081	11/1/16	D Briggs	Rock outcrop above track	1600014	5407903		Outcrop		Fine-grained, bedded sandstone with abundant manticula	59	142			
00082	11/1/16	T Brown	Rock outcrop in problematica bed	1599913	5407482		Outcrop					Y		West limb of syncline
00083	11/1/16	D Briggs	Rock outcrop on spur	1599936	5407507	265	Outcrop	Sandstone	Medium-grained sandstone	69	302	Y		East limb of syncline
00084	31/1/16	M Davies	Adjacent 88 Valley Stream, part of the driveable stretch	1599936	5407914	203	Scree	Siltstone	fine-grained			Y	Otamitan	rare ammonite fragments
00085	31/1/16	M Davies	Through gate from parked car, near and heading for Gully A	1600185	5407888	221	Blockfield	Siltstone	fine-grained siltstone, some medium grained sandstone included, also in loose boulders			Y	Otamitan	boulder field, scattered, single boulders
00086	31/1/16	M Davies	Through gate from parked car, heading to Gully A, over hill	1600255	5407924	230	Blockfield	Siltstone	fine-grained siltstone, some medium grained sandstone included, also in loose boulders			Y	Otamitan	boulder field, scattered, single boulders
00087	31/1/16	M Davies	On quad bike track first junction heading up Gully A	1600516	5407939	299	Scree	Siltstone	mostly siltstone with some sandstone included			Y		scree with boulder field starting within metres above
00088	31/1/16	M Davies	Lower section of Gully A	1600356	5407963	240	Outcrop	Siltstone	crumbly, disintegrates with hammer blows			N		crumbly, disintegrates in small slivers
00089	31/1/16	M Davies	middle section heading up Gully A	1600606	5407938	335	Blockfield	Other	Siltstone, medium grained sandstone, rare conglomerates			Y		contains rare fossils
00090	31/1/16	M Davies	Bedrock middle section Gully A	1600620	5407908	354	Outcrop	Siltstone				N		no fossils seen, tried three spots on bedrock
00091	31/1/16	M Davies	Bedrock middle section Gully A	1600645	5407914	358	Outcrop	Siltstone				N		no fossils seen, tried three spots on bedrock
00092	31/1/16	M Davies	Bedrock middle section Gully A	1600687	5407946	371	Outcrop	Siltstone				N	Kaihikuan	no fossils seen, tried three spots on bedrock
00093	31/1/16	M Davies	Scree near top of Gully A	1600776	5407942	410	Scree	Siltstone	Mostly siltstone but also containing porphyries, granite, rare epidote and rare fossils			Y	Kaihikuan	
00094	31/1/16	M Davies	Scree near top of Gully A	1600676	5408022	400	Scree	Siltstone	mostly siltstone but also containing fossils - see fossil section			Y		
00095	31/1/16	M Davies	Heading down from Gully A, north of gully A, on quad trails	1600502	5408107	361	Outcrop	Siltstone	2 - 3 m high and 2-3 m long			Y		one single fossil found here so far
00096	21/2/16	T Brown	Waypoint	1599521	5406990	278	Outcrop		In situ Monotis			Y		
00097	21/2/16	T Brown	Waypoint	1599594	5407011	318	Outcrop	Sandstone	Unfossiliferous medium/coarse sandstone			N		
00098	21/2/16	T Brown	Waypoint	1599569	5407034	319		Breccia	Fine Breccia/ coarse sandstone (quartz grains)					
00099	21/2/16	T Brown	Waypoint	1599618	5407075		Outcrop	Sandstone	Unfossiliferous medium/coarse sandstone			N	Etalian	
00100	21/2/16	T Brown	Waypoint	1599600	5407134		Outcrop	Sandstone	Gull or fault exposed in cutting; Nautiloid fragments found on 19/12/16	84	270	Y	Kaihikuan	Strike = 180-360 degrees magnetic
00101	21/2/16	T Brown	Waypoint	1599604	5407221	369	Outcrop	Sandstone	Gull or fault exposed in cutting			N		

00102	21/2/16	T Brown	Waypoint	1599556	5407373	379	Isolated boulder	Conglomerate					N		
00103	21/2/16	T Brown	Waypoint	1599524	5407381	379	Scree		Northern limit of Monotis				Y		
00104	21/2/16	T Brown	Waypoint	1599454	5407425	388	Outcrop		In situ Monotis				Y		
00105	21/2/16	T Brown	Waypoint	1599514	5407222	377		Conglomerate							
00106	29/4/16	D Briggs	Small outcrop above track, 10 m W of gate	1599171	5407395		Outcrop	Sandstone	Fine grey-cream sandstone with Monotis	57	140	Y	Warepan	Location approximate; needs checking	
00107	29/4/16	D Briggs	Scree below track, 10 m W of gate	1599161	5407365		Scree	Sandstone	Fine grey-cream sandstone with Monotis			Y	Warepan	Location approximate; needs checking	
00108	29/4/16	D Briggs	Loose boulders above track, close to fenceline	1599196	5407390		Scree	Sandstone	Fine-medium, cream sandstone containing plant fragments			Y	Warepan	Location approximate; needs checking	
00109	29/4/16	D Briggs, I Ladds	Scree near top of Grandfather's Gully	1599426	5407526		Scree	Sandstone	Grey-cream sandstone with Monotis			Y	Warepan	Location approximate; needs checking	
00110	29/4/16	D Briggs, I Ladds	Scree on N side of Grandfather's Gully, adjacent to fence	1599340	5407558		Scree	Sandstone	Dark, silty sandstone with Manticula			Y	Otamitan	Location approximate; needs checking	
00111	29/4/16	I Ladds	Loose scree beside track	1599102	5407149		Scree	Conglomerate	Sandstone and conglomerate containing rare fossils			Y	Otapirian	Location approximate; needs checking	
00112	29/4/16	D Briggs	Scree above track	1599170	5407129		Scree	Sandstone	Dark grey fine sandstone			Y	Otapirian	Location approximate; needs checking	
00113	29/4/16	D Briggs	Top of scree, close to outcrops on ridgeline	1599180	5407132		Scree	Sandstone	Dark grey fine sandstone			Y	Otapirian	Location approximate; needs checking	
00114	29/4/16	D Briggs	Scree on east facing slope, west side of syncline, above track	1599263	5407145		Scree					Y		Location approximate; needs checking	
00115	11/7/16	D Briggs, I Ladds	50 metres E of side gully with trees	1600299	5407748		Scree	Siltstone	Fine grained, shaley siltstone scree			Y			
00116	11/7/16	D Briggs, I Ladds	Stream junction, Gully B	1600521	5407642		Outcrop	Conglomerate	Conglomerate bed, with scree at base of slope	57	140	Y			
00117	11/7/16	D Briggs, I Ladds	Top of ridge	1600612	5407580		Other		Evidence of faultline, trending 40-220 degrees at ca 75 degree angle			N			
00118	11/7/16	D Briggs, I Ladds	Scree on W side of valley	1600480	5407546		Scree	Shale	Shaley scree suggesting line of fault			N			
00119	11/7/16	D Briggs, I Ladds	Cutting beside track	1600452	5407588		Outcrop					Y			
00120	11/7/16	D Briggs, I Ladds	Outcrop beside track	1600403	5407639		Outcrop	Conglomerate	Outcrop of conglomerate showing bedding junction with siltstone						
00121	16/7/16	D Briggs/T Brown	Rock outcrop ca 50m upslope from track	1600118	5407733	247	Outcrop	Sandstone	Grey medium sandstone	70	310	Y	Otamitan	Dip angle approximate; needs remeasuring	
00122	16/7/16	D Briggs/T Brown	50m upslope from 00098	1600124	5407670	285	Outcrop	Other	Sequence, running upslope, of iron-rich nodular, ?tuffaceous grey sandstone; fine-bedded brown shale with rare pebbles/nodules; gritstone			N			
00123	16/7/16	D Briggs/T Brown		1600128	5407642	298	Outcrop	Sandstone	Dark grey, fine-medium sandstone with bivalves and small brachiopods			Y	Otamitan		
00124	16/7/16	D Briggs/T Brown		1600133	5407639	307	Outcrop	Sandstone	Medium-coarse sandstone/gritstone with occasional problematica	75	310	Y	Otamitan		

00125	16/7/16	D Briggs/T Brown	Hilltop between 88 Stream and Gully C	1600128	5407611	321	Outcrop	Gritstone	Granular gritstone with occasional, small-pebble sized clasts; small brachiopods and problematica			Y	Otamitan	
00126	16/7/16	D Briggs/T Brown	Scree beside river, Gully C, opposite shale bands on east side of stream	1600139	5407493	273	Scree	Siltstone	Shaley scree with fine sandstone and siltstone, often nodular			Y	Otamitan	
00127	16/7/16	D Briggs/T Brown	Ca. 70 m upslope above Gully C	1600156	5407613	297	Outcrop							Dip angle and direction approximate
00128	16/7/16	D Briggs/T Brown	Cutting on saddle to small knoll above Gully B	1600227	5407753	233	Outcrop	Sandstone	Fault, infilled with vertically aligned, crushed rock; fault runs 40-220 degrees, at angle of 74 degrees	74	310			
00129	21/7/16	D Briggs, T Brown	Outcrop in small stream on W	1600565	5407554		Outcrop	Sandstone	Cream sandstone in ?Triassic rocks, close to 88 Fault, indicating extension from saddle on knoll to E					
00130	21/7/16	D Briggs	Small area of scree ca 10 metres above track, to S side of outcrop	1600603	5407575	299	Scree	Sandstone	Fine sandstone/siltstone blocks containing brachiopod <i>Daonella apteryx</i>)			Y		
00131	21/7/16	D Briggs, I Ladds	Conglomerate beds beside track	1600538	5407640	268	Outcrop	Conglomerate	Bedded conglomerate, showing clear dip, interbedded with sandstones. Occasional fossils, many weathered	79	140	Y		
00132	21/7/16	D Briggs	Outcrops and scree on W side of ridge near mouth of Gully B	1600193	5407783	285	Outcrop	Sandstone	Medium sandstone-gritstone with occasional fossils, cut by minor fault; northward gives way to scree including fossils (<i>M problematica</i> , ? <i>Athyris wreyi</i>)			Y		
00133	21/7/16	D Briggs	Track at top of shaley scree on S side of valley	1600334	5407673	279	Scree	Gritstone	Dark grey brecciated gritstone, with numerous weathering pits on surface, containing anthozoa (cf 00116)			Y		
00134	21/7/16	I Ladds	Loose material in sheep track	1600452	5407625	378	Scree	Sandstone	Fine sandstone, containing <i>Trigonia</i>			Y		Location, altitude possibly inaccurate
00135	21/7/16	I Ladds	Loose rock and boulders in scree and rockfield	1600192	5407899	233	Scree	Siltstone	Mixed siltstone and sandstone scree with abundant <i>M problematica</i>			Y		
00136	11/9/16	I Ladds, D Briggs, T Brown	Loose rock and boulders in scree and rockfield	1600204	5407902	237	Scree	Siltstone	Siltstone and coarse sandstone, richly fossiliferous			Y		
00137	11/9/16	I Ladds, D Briggs, T Brown	Loose rock and boulders in scree and rockfield	1600201	5407928	245	Scree	Sandstone	Coarse/medium sandstone			Y		
00138	11/9/16	I Ladds, D Briggs, T Brown	Loose rock and boulders in scree and rockfield	1600278	5408048	265	Scree	Sandstone	Mixed siltstone and sandstone with rare fossils			Y		
00139	11/9/16	I Ladds, D Briggs, T Brown	Loose rock and boulders in scree and rockfield	1600296	5408027	255	Blockfield	Sandstone	Siltstone and sandstone, becoming less fossiliferous; <i>M problematica</i> absent			Y		
00140	11/9/16	D Briggs, T Brown	Outcrop of shaley siltstone on W side of gully	1600267	5408075	278	Outcrop	Siltstone	Shaley siltstone, with 1 metre thick bed of gravelly conglomerate, on west side	69	270	N		

00141	11/9/16	D Briggs, T Brown	Outcrop of shaley siltstone on W side of gully	1600281	5408126	294	Outcrop	Siltstone	Shaley siltstone, with 1 metre thick bed of gravelly conglomerate, on west side	63	280	N		
00142	11/9/16	D Briggs, T Brown	Outcrop of shaley siltstone on W side of gully	1600294	5408138	307	Outcrop	Siltstone	Shaley siltstone, with 1 metre thick bed of gravelly conglomerate, on east side	65	280	N		
00143	11/9/16	D Briggs, T Brown	Outcrop of sandstone and siltstone at top of gully, below track	1600294	5408138	324	Outcrop	Sandstone	Sandstone and siltstone	65	270	N		
00144	11/9/16	D Briggs, T Brown	Sections in track at top of gully	1600236	5408158	323	Cutting	Sandstone	Weathered sandstone and siltstone; jointed; bedding indeterminate			N		
00145	11/9/16	D Briggs, T Brown	Outcrop on east side of gully	1600346	5408176	341	Outcrop	Sandstone	Pink sandstone; bedding indeterminate	65	300	N		Dip and strike possibly inaccurate
00146	11/9/16	D Briggs, T Brown	Outcrop on east side of gully	1600356	5408147	326	Outcrop	Siltstone	Thinly bedded/jointed siltstone and pink sandstone; possibly abutting against Highfield fault; bedding indeterminate			N		
00147	11/9/16	D Briggs	Outcrop at Poplar Corner	1600120	5407864	219	Outcrop	Siltstone	Bedded siltstone and fine sandstone, with abundant M problematica as shell beds	54	120	Y		
00148	16/10/16	D Briggs, I Ladds	Scree in track beside Gully C	1600282	5407661	264	Scree	Sandstone	Fine-medium grained sandstone with small pebbles - cf Anthozoa-bearing rocks			N		
00149	16/10/16	D Briggs, I Ladds	Faultline on ridge by Gully C	1600227	5407753	233	Blockfield	Sandstone	Faultline on ridge; M problematica in track to W of fault; Mysidoptera riceae? To east.			Y		
00150	16/10/16	D Briggs, I Ladds		1600271	5407623	277	Outcrop	Conglomerate	Conglomerate in medium sandstone matrix, roughly bedded.	62	230	N		Dip and strike approximate
00151	16/10/16	D Briggs, I Ladds		1600266	5407523	285	Scree	Sandstone	Scree with mix of coarse and fine sandstone and siltstone clasts.			Y		
00152	16/10/16	D Briggs, I Ladds	Cutting on saddle behind water tanks	1600254	5407357	332	Cutting	Sandstone	Broken crush zone of fault; to west = jointed \fine sandstone/siltstone; to east = fine-medium sandstone, weathering to pink, showing bedding lines. 10 metres east along track = clasts of Permian limestone.			N		Fault trends 215 degrees
00153	16/10/16	D Briggs, I Ladds	Limestone outcrop beside track	1600266	5407232	353	Outcrop	Limestone	Limestone outcrop, ca. 25 metres deep (measured along track)	87	360	N		
00154	16/10/16	D Briggs, I Ladds	Fault in Permian rocks	1600269	5407220	350	Cutting	Sandstone	Fault in Permian sandstone	83	300	N		Fault trends 30 degrees
00155	16/10/16	D Briggs, I Ladds	Permian outcrop	1600403	5406852	421	Outcrop	Sandstone	Well-bedded, fine-medium sandstone	49	90	N		
00156	16/10/16	D Briggs, I Ladds	Small saddle in ridgeline	1600074	5407266	353	Other		Possible faultline of Highfield fault			N		
00157	16/10/16	D Briggs, I Ladds	Small saddle in ridgeline	1600079	5407221	362	Other		Possible faultline of 88 fault			N		
00158	16/10/16	D Briggs, I Ladds	Permian outcrop beside track	1599944	5407005	307	Outcrop	Limestone	Limestone outcrop, marking southern edge of band			N		
00159	16/10/16	D Briggs, I Ladds	Gatepost beside small side-creek	1599802	5406990	254	Other		Marks line of 88 Fault?			N		

00160	16/10/16	D Briggs, I Ladds	Scree above side-creek	1599792	5407022	258	Scree	Sandstone	Mix of fine-medium sandstone and siltstone			Y		
00161	16/10/16	D Briggs, I Ladds	Scree beside track	1599825	5407102	261	Scree	Sandstone	Mix of fine-medium sandstone and siltstone			Y		
00162	16/10/16	D Briggs, I Ladds	Scree beside track	1599831	5407116	255	Scree	Sandstone	Mix of medium-coarse sandstone, conglomerate			Y		
00163	16/10/16	D Briggs, I Ladds	Scree beside track	1599831	5407192	250	Scree	Gritstone	Coarse gritstone and sandstone clasts			Y		
00164	16/10/16	D Briggs, I Ladds	Outcrop on knoll below track	1599849	5407321	280	Outcrop	Sandstone	Fine grey sandstone, with prolific <i>Manticala problematica</i> along bedding plane	71	280	Y		
00165	16/10/16	D Briggs, I Ladds	Outcrop beside track	1599856	5407361	247	Outcrop	Sandstone	Fine grey sandstone, with prolific <i>Manticala problematica</i> along bedding plane	73	280	Y		
00166	16/10/16	D Briggs, I Ladds	Loose debris on track	1599865	5407370	247	Blockfield	Sandstone	Loose sandstone clast containing <i>H. limaeformis</i> ?			Y		
00167	22/11/16	I Ladds, T Brown	Scree near gateposts at end of paddocks	1599840	5408014		Scree	Sandstone	Sandstone scree containing numerous small brachiopods			Y		
00168	22/11/16	I Ladds, T Brown	Scree on western face	1599852	5408020		Scree	Sandstone	Sandstone scree containing numerous small brachiopods			Y		
00169	22/11/16	I Ladds, T Brown	Scree on western face	1599936	5408121		Scree	Sandstone	Sandstone scree containing numerous small brachiopods			Y		
00170	22/11/16	I Ladds, T Brown	Scree on western face	1599976	5408200		Scree	Sandstone	Sandstone scree containing numerous small brachiopods			Y		
00171	3/12/16	I Ladds, D Briggs, T Brown		1599883	5408055	229	Outcrop	Sandstone	Fine grey-green sandstone, concretionary, fossiliferous	50	120	Y		
00172	3/12/16	I Ladds, D Briggs, T Brown	Scree below track	1599942	5408130	241	Scree	Sandstone	Grey-green sandstone containing succulate and punbctate brachiopods.			Y		Large concretion (70 x 50cm) above track
00173	3/12/16	I Ladds, D Briggs, T Brown	Scree beside track	1599999	5408178	261	Scree	Sandstone	Fine grey-cream sandstone and siltstone, with ovvasional bands of coarse sanstone, gritstone; rare fossils			Y		
00174	3/12/16	I Ladds, D Briggs, T Brown	Scree beside track	1600017	5408184	265	Scree	Sandstone	Continuation of previous site; Sandstones and siltstones, containing gastropods and bivalves; 5m along track grey siltstone with fragment of zoophycos? And red sandstone with abundant small bivalves			Y		Includes fragments of long, straight tube-like shells. Gastropods? Or Coral?
00175	3/12/16	I Ladds, D Briggs, T Brown	Area of broken and folded bedrock, exposed in outcrops in side of track	1600317	5408169	324	Outcrop	Siltstone	Shattered and folded creamy siltstone and fine sandstone, breaking down to fine scree.			N		
00176	3/12/16	I Ladds, D Briggs, T Brown	Area of broken and folded bedrock, exposed in outcrops in side of track	1600124	5408147	338	Outcrop	Sandstone	Grey, shattered and folded fine sandstone and siltstone			N		

00177	3/12/16	I Ladds, D Briggs, T Brown	Outcrop on flank of Fault Gully	1600116	5408124	347	Outcrop	Gritstone	Bedded gritstone and coarse sandstone, with minor siltstone. Reddish with pebbles 2-4 mm.	45	120	N		
00178	3/12/16	I Ladds, D Briggs, T Brown	Outcrop on flank of Fault Gully	1600136	5408022	330	Outcrop	Sandstone	Grey, fine-medium sandstone with abundant M. Problematica; massive, strongly jointed.	52	115	Y		
00179	3/12/16	I Ladds, D Briggs, T Brown	Scree below saddle at top of Fault Gully	1600316	5408170	324	Scree	Siltstone	Creamy broken siltstone, finely broken, with fine pebbly conglomerate blocks containing Anthozoa			Y		
00180	3/12/16	I Ladds, D Briggs, T Brown	Outcrop on track side	1600362	5408177	340	Outcrop	Conglomerate	Conglomerate band in fine-medium sandstone	80	305	N		
00181	3/12/16	I Ladds, D Briggs, T Brown	Scree beside track	1600362	5408179	339	Scree	Sandstone	Fine sandstone, finely broken; larger blocks of medium-coarse sandstone, with rare fossils			Y		
00182	3/12/16	I Ladds, D Briggs, T Brown	Loose block on track	1600535	5408256	348	Isolated boulder	Siltstone	Siltstone containing single bivalve (?Daonella); on slope below blocks of coarse sandstone and breccia			Y		
00183	3/12/16	I Ladds, D Briggs, T Brown	Outcrop in broken sandstone and conglomerate	1600445	5408215	325	Outcrop	Sandstone	Pink medium-coarse sandstone in well-bedded block, weathered	57	55	N		Dip measurements uncertain
00184	3/12/16	I Ladds, D Briggs, T Brown	Isolated boulder on track	1599991	5408290	220	Isolated boulder	Sandstone	Crinoid colony in block of sandstone			Y		
00185	3/12/16	I Ladds, D Briggs, T Brown	Scattered blocks on track at base of scree area	1599849	5408018	212	Blockfield	Sandstone	Sandstone and siltstone, containing ?Oretian fossils			Y		
00186	3/12/16	T Brown	Rock outcrop showing apparent fault	1599956	5408085	275	Outcrop	Siltstone	Narrow (ca 20cm) fault in compact creamy siltstone and fine sandstone; striking at 30 degrees	80	120	N		Dip angle approximate
00187	19/12/16	D Briggs, I Ladds	Cutting in track side	1599439	5406989	350	Cutting	Siltstone	Monotis-rich grey siltstone and fine sandstone, showing steep dip, overturned	56	90	Y		Overtuned
00188	19/12/16	D Briggs, I Ladds	Cutting in track side, 20 m west of previous	1599433	5407003		Cutting	Siltstone	Clean, massive siltstone with abundant large, coarsely ridged Monotis	62	90	Y		
00189	19/12/16	D Briggs, I Ladds	Cutting at bend in track	1599473	5406943		Cutting	Sandstone	Crystalline grey, hard sandstone			N		
00190	19/12/16	D Briggs, I Ladds	Loose material in soil above spring	1599490	5406953		Cutting	Gritstone	Gritstone in loose material in soil			N		
00191	19/12/16	D Briggs, I Ladds	Outcrop above stream	1599510	5406972		Outcrop	Sandstone	Coarse grey, compact sandstone and gritstone; below = slaty large block of shaly sandstone/gritstone; associated with scatter of boulders containing abundant Monotis			Y		
00192	19/12/16	D Briggs, I Ladds	Scattered boulders on surface above stream	1599547	5406994		Blockfield	Sandstone	Sandstone boulders containing abundant Monotis			Y		

00193	19/12/16	D Briggs, I Ladds	Scattered boulders and cuttings in trackside	1599523	5407058		Blockfield	Sandstone	Sandstone containing abundant Monotis			Y		
00194	19/12/16	D Briggs, I Ladds	Scattered boulders and cuttings in trackside	1599507	5407119		Blockfield	Sandstone	Sandstone containing abundant Monotis			Y		
00195	19/12/16	D Briggs, I Ladds	Loose debris 20 metres N of willows in gully floor	1599519	5407176	328	Blockfield	Sandstone	Coarse sandstone boulders containing abundant Monotis of different size and type, plus other bivalves, brachiopods and wood			Y		
00196	19/12/16	D Briggs, I Ladds	Scattered boulders on west side of gully	1599499	5407110		Blockfield	Sandstone	Boulders of cream, coarse sandstone and conglomerate, with rare medium boulders containing sandstone			Y		
00197	19/12/16	D Briggs, I Ladds	50 metres above willows in gully floor	1599544	5407189		Blockfield	Conglomerate	Conglomerate boulders, with rarer boulder of green-grey sandstone, containing Monotis			Y		
00198	19/12/16	D Briggs, I Ladds	West side of gully	1599539	5407215		Blockfield	Sandstone	Cream, medium-coarse sandstone boulders, with occasional boulders of conglomerate; Monotis absent			N		
00199	19/12/16	D Briggs, I Ladds	Ridge above Ram Gully, between trees	1599477	5407204		Outcrop	Sandstone	Creamy grey sandstone containing abundant, large Monotis			Y		
00200	19/12/16	D Briggs, I Ladds	Cutting on track below ridgeline	1599518	5407217		Cutting	Conglomerate	Conglomerate bed containing rounded pebbles < 8cm diameter, in pink sandstone outcrop; steeply dipping	79	290	N		
00201	19/12/16	D Briggs, I Ladds	Cutting beside track	1599543	5407260		Cutting	Sandstone	Pink-cream sandstone and shaly siltstone, containing common Monotis			Y		
00202	19/12/16	D Briggs, I Ladds	20 m north-west of gull	1599595	5407234		Cutting	Gritstone	Massive gritstone	87	240	N		
00203	19/12/16	D Briggs, I Ladds	Boulder beside track	1599567	5407293		Isolated boulder	Sandstone	Creamy-pink sandstone with Monotis			Y		
00204	9/1/17	D Briggs, I Ladds. T Brown	Scree beside track	1599861	5407923	213	Scree	Sandstone	Mix of sandstone, siltstone and coarse gritstone with rare problematica and small brachiopods			Y		
00205	9/1/17	D Briggs, I Ladds. T Brown	Scree	1599843	5407909	216	Scree	Gritstone	Coarse grey gritstone and pebbly conglomerate with Oxycolpella wreyi?			Y		
00206	9/1/17	D Briggs, I Ladds. T Brown	Scree	1599792	5407889	241	Scree	Sandstone	Very mixed sandstone, siltstone and gritstone with abundant problematica plus gastropods, anthozoa, crinoid and small bivalve			Y		
00207	9/1/17	D Briggs, I Ladds. T Brown	Scree	1599810	5407879	249	Scree	Sandstone	Mix of sandstone, siltstone and rarer gritstone with abundant problematica			Y		
00208	9/1/17	D Briggs, I Ladds. T Brown	Scree	1599810	5407872	251	Scree	Sandstone	Mix of sandstone, siltstone and rarer gritstone with abundant problematica, plus single Oretia coxi			Y		

00209	9/1/17	D Briggs, I Ladds. T Brown	Outcrop in trackside	1599860	5407879	240	Outcrop	Siltstone	Creamy-grey finely bedded siltstone	70	140	N		
00210	9/1/17	D Briggs, I Ladds. T Brown	Outcrop 10 metres north of previous site	1599900	5407870	238	Outcrop	Siltstone	Grey, fine-bedded siltstone, overlain by massive yellow gritstone > 2m thick; nearby = small brachiopod fragment, Oxycolpella??	56	120	Y		
00211	9/1/17	D Briggs, I Ladds. T Brown	Outcrop 10 metres north of previous site	1599936	5407868	236	Outcrop	Siltstone	Creamy grey, finely bedded siltstone, overlain by massive coarse sandstone with abundant problematica, in distinct fossil beds	61	120	Y		
00212	9/1/17	D Briggs, I Ladds. T Brown	Pebbles on track	1600008	5407853	235	Other	Sandstone	Sandstone containing Hokonui limaeformis			Y		
00213	9/1/17	D Briggs, I Ladds. T Brown	Scree	1600074	5407885	224	Scree	Sandstone	Sandstone with abundant problematica plus bivalves and Mysidoptera riceae			Y		
00214	9/1/17	D Briggs, I Ladds. T Brown	Extensive outcrop above Poplar Corner	1600065	5407891	230	Outcrop	Sandstone	Massive grey sandstone	57	120	N		
00215	9/1/17	D Briggs, I Ladds. T Brown	Continuation of previous outcrop	1600045	5407956	230	Outcrop	Sandstone	Massive grey sandstone with beds of fine-bedded siltstone and problematica in fossil beds, plus 1 Oxycolpella wreyi	57	120	Y		
00216	9/1/17	D Briggs, I Ladds. T Brown	Coarse scree below rock outcrops	1599940	5407943	207	Outcrop	Sandstone	Grey sandstone scree, containing 5 specimens of Maortrignia sp.			Y		
00217	14/3/17	D Briggs	Small outcrop and boulders	1599831	5407272		Outcrop	Sandstone	Shellbed with Manicula problematica and ?worm casts	71	270	Y		
00218	30/4/17	D Briggs	Outcrop of shaly mudstone	1600132	5407664		Outcrop	Mudstone	Bedded, shaly mudstone					
00219	30/4/17	D Briggs	Rock face on outcrop of sandstone	1600129	5407633	297	Outcrop	Sandstone	Brown, medium-coarse sandstone, massively bedded with indistinct shell beds			Y		Same as site 00123
00220	30/4/17	D Briggs	Steep face of sandstone and conglomerate outcrop	1600119	5407631	300	Outcrop	Conglomerate	Dark grey, pebbly conglomerate, <1cm	76	270	N		Matches conglomerate in Fault Gully, site 00140-00142; continues south along slope
00221	30/4/17	D Briggs	Continuation of gravel bed	1600065	5407584	290	Outcrop	Gritstone	Dark grey-brown conglomerate and gritty sandstone, pebbles <0.5cm			N		
00222	30/4/17	D Briggs	Outcrop at end of small spur	1600052	5407584	281	Outcrop	Sandstone	Brown-pink, medium sandstone	77	295	N		
00223	30/4/17	D Briggs	Scree halfway down slope	1600036	5407581	265	Scree	Sandstone	Grey-pink, medium-coarse sandstone with Manicula problematica			Y	Otamitan	
00224	30/4/17	D Briggs	Outcrop or large boulder	1600038	5407571	274	Outcrop	Sandstone	Yellow-brown, weathered sandstone-gritstone, containing bivalve and brachiopods			Y		
00225	30/4/17	D Briggs	Outcrop below saddle	1600018	5407421	290	Outcrop	Sandstone	Massively bedded, fine sandstone	89	300	N		
00226	30/4/17	D Briggs	Outcrop on south side of saddle	1600005	5407428	281	Outcrop	Sandstone	Coarse, pink-yellow sandstone, grading to gritstone/fine breccia	79	270	N		

00227	30/4/17	D Briggs	Outcrop halfway down slope	1599997	5407448	266	Outcrop	Sandstone	Coarse, gritty sandstone with large, very rounded granite pebbles, <10cm	75	290	N		
00228	9/7/17	D Briggs	Section on W side of Ram Gully, below powerlines	1599300	5407162	315	Outcrop	Siltstone	Grey, blocky siltstone; no clear bedding			N	Otapirian	
00229	9/7/17	D Briggs	Scree/blockfield near head of Ram Gully	1599478	5407260	354	Blockfield	Conglomerate	Conglomerate, pebbles < 10 cm length; mean ca. 2 cm; pinky-grey sandstone matrix			N	Otapirian	
00230	9/7/17	D Briggs	Cutting below pylon, on N side of Ram Gully	1599558	5407374	374	Cutting	Conglomerate	Very pebbly conglomerate; well rounded sandstone and siltstone pebbles.	60	170	N	Otapirian	Dip approximate; based on pebble orientation and hints of bedding
00231	9/7/17	D Briggs	Large, vertical outcrop on NE side of Ram Gully	1599541	5407283	384	Outcrop	Conglomerate	Coarse conglomerate, pebbles < 20cm; mean ca 2 cm; in med-course, grey sandstone matrix; skimming face of outcrop	80	110	N	Otapirian	Probably overturned
00232	9/7/17	D Briggs	Cutting through sequence of sandstones and weathered shales	1599639	5407158	381	Outcrop	Sandstone	Medium-coarse grey sandstone, well bedded with weathered shaly partings and beds up to 50 cm deep	50	270	N		Continues west for 16 metres, becoming gritier and more interbedded
00233	9/7/17	D Briggs	Cutting beside track	1599607	5407112	368	Cutting	Sandstone	Section through 'gulls'			N		Gulls may be weathered shale bands (see sites 100. 101)
00234	9/7/17	D Briggs	Cutting beside track	1599599	5407130	371	Cutting	Sandstone	Fine grey sandstone, with wide, bedded separations (< 1 metre) of yellow, iron-rich clay/shale	75	100	N		
00235	9/7/17	D Briggs	Cutting beside track	1599608	5407216	384	Cutting	Sandstone	Fine-medium, grey sandstone; fractured. 7 metres west shows 'gulls'/shaley beds.	80	290	N		
00236	9/7/17	D Briggs	Cutting beside track	1599607	5407344	381	Outcrop		Gritstone, pebbly conglomerate; pebbles < 1 cm.	80	110	N	Otapirian	
00237	9/7/17	D Briggs, A Ladds	Line of cobbles across hillside, above Ram Gully Saddle	1599579	5407294		Isolated boulder	Sandstone	Deeply weathered grey sandstone, with thick iron-rich rind; rich in Otamitan fossils, including brachiopods			Y	Otamitan	Oucrop trends 170-350 degrees
00238	9/7/17	D Briggs, A Ladds	Top of knoll above Ram Gully saddle	1599536	5407364		Outcrop	Sandstone	Abundant plant remains in grey iron-rich fine sandstone			Y	Otapirian	
00239	9/7/17	D Briggs, A Ladds	Boulder on track near top of Grandfather's Gully	1599449	5407406		Isolated boulder	Conglomerate	Conglomerate, in loose boulders			N	Warepan	
00240	9/7/17	D Briggs, A Ladds	Scree on south face of Ram Hill	1599078	5407065		Scree	Sandstone	Fine-medium grey sandstone, containing Monotis and other fossils			Y		
00241	10/7/17	D Briggs, A Ladds	Small area of scree on E side of Ram Gully	1599335	5407112		Scree	Sandstone	Fine sandstone scree, containing abundant Monotis			Y	Warepan	
00242	10/7/17	D Briggs, A Ladds	Small outcrop on south-east side of Ram Gully	1599321	5406984		Outcrop	Conglomerate	Conglomerate, in small outcrop (or possibly large, buried boulder); mean = 1cm; < 10 cm, matrix coarse sandstone			N	Otapirian	
00243	10/7/17	D Briggs, A Ladds	Road cutting	1599176	5406830		Cutting		Fault in ?Permian sandstone/siltstone; trending N/S ap[prox (across road)			N	Early Triassic	

00244	10/7/17	D Briggs, A Ladds	Road cutting	1599080	5407016		Cutting		Conglomerate bed, pebbles ca. 1-5 cm in med-coarse sandstone matrix, below sandstone layers	11	60	N	Otapirian
00245	23/7/17	D Briggs	Scree above Boundary Gully	1599583	5407253	381	Scree	Gritstone	Coarse, blocky, grey gritstone				Otapirian
00246	23/7/17	D Briggs	Line of brachiopod bed	1599597	5407313	395	Isolated boulder	Gritstone	Weathered brown gritstone with abundant brachiopods			Y	Otamitan
00247	23/7/17	D Briggs	Line of brachiopod bed	1599592	5407307	394	Isolated boulder	Gritstone	Weathered brown gritstone with abundant brachiopods			Y	Otamitan
00248	23/7/17	D Briggs	Line of brachiopod bed	1599606	5407346	381	Isolated boulder	Gritstone	Weathered brown gritstone with abundant brachiopods			Y	Otamitan
00249	23/7/17	D Briggs	Small scraping above track	1599576	5407307	388	Isolated boulder	Gritstone	Weathered brown gritstone with abundant brachiopods			Y	Otamitan
00250	23/7/17	M Davies	Small boulder at top of Boundary Gully, 5 metres below track	1599581	5407285		Blockfield	Gritstone	Weathered brown gritstone with abundant brachiopods				
00251	23/7/17	D Briggs	Isolated boulder beside track	1599439	5407405	383	Isolated boulder	Conglomerate	Conglomerate between Warepan and Otapirian				Otapirian
00252	23/7/17	D Briggs	Conglomerate between Warepan and Otapiirian	1599366	5407395	375	Isolated boulder	Conglomerate	Conglomerate in large boulder; slope above contains cream sandstone with plant fragments			Y	Otapirian
00253	23/7/17	D Briggs	Conglomerate between Warepan and Otapiirian	1599268	5407444	360	Isolated boulder	Conglomerate	Conglomerate in small boulder; slope above contains cream sandstone, grading from coarse to fine upslope				Otapirian
00254	23/7/17	D Briggs	Conglomerate between Warepan and Otapiirian	1599255	5407444	362	Blockfield	Conglomerate	Weathered conglomerate and sandstones in large boulders				Otapirian
00255	23/7/17	D Briggs	Section in Otapirian	1599229	5407427	365	Cutting	Sandstone	Creamy sandstone, in situ?	84	170		Otapirian
00256	23/7/17	D Briggs	Boulder pile near gate	1599187	5407401	350	Blockfield	Conglomerate	Creamy sandstone containing Monotis shellbed; nearby boulders of conglomerate with pebbles < 5cm of sandstone and ?granite			Y	Warepan
00257	23/7/17	D Briggs	Scree on west side of Ram Gully	1599254	5407268	325	Scree	Sandstone	Grey sandstone with Maoritrigonia fragments			Y	Otapirian
00258	10/9/17	D Briggs, I Ladds, T Aldridge	Scree on west side of Fault Gully	1600211	5407908	243	Scree	Sandstone	Griity grey sandstone/pebbly conglomerate, rich with shells			Y	Otamitan
00259	10/9/17	D Briggs, I Ladds, T Aldridge	Scree on west side of Fault Gully	1600245	5407986	251	Scree	Sandstone	Yellow-brown, white flecked medium sandstone, with abundant fossils			Y	Otamitan
00260	10/9/17	D Briggs, I Ladds, T Aldridge	Scree on west side of Fault Gully	1600254	5408206	253	Scree	Sandstone	Grey sandstone, with abundant fossils			Y	Otamitan
00261	10/9/17	D Briggs, I Ladds, T Aldridge	Scree on west side of Fault Gully	1600228	5407957	250	Scree	Sandstone	Grey fine-grained sandstone			Y	Otamitan
00262	18/10/17	D Briggs, I Ladds, T Aldridge	Base Grandfather's Gully, 150 below poplar tree	1599188	5407591		Scree	Sandstone	Yellow and grey medium-coarse sandstone, with pebbly conglomerate and gritstone boulders, and fine yellow (Otapirian) sandstone			Y	

00263	18/10/17	D Briggs, I Ladds, T Aldridge	50 m SW of poplar tree in Grandfather's Gully	1599247	5407551		Cutting	Sandstone	Angular blocks of yellowish sandstone with small gastropod and plant material and M problematica			Y	Otamitan	
00264	18/10/17	D Briggs, I Ladds, T Aldridge	Higher track above secondary gully, N of Grandfather's Gully	1599278	5407646		Isolated boulder	Gritstone	Disturbed beds of mudstone and sandstone; on track nearby block of sandy gritstone with ?M problematica			Y	Otamitan	
00265	18/10/17	D Briggs, I Ladds, T Aldridge	30 metres south of gate on higher track	1599520	5407829		Cutting	Gritstone	Dark grey pebbly gritstone, weathering yellowish with small gastropod and brachiopod (Terebratulid?)			Y		
00266	18/10/17	D Briggs, I Ladds, T Aldridge	100 metres along track from 00265, 30 m above track	1599558	5407759		Isolated boulder	Sandstone	Block of medium grey sandstone with bivalve			Y		
00267	18/10/17	D Briggs, I Ladds, T Aldridge	15 metres upslope of 00266; outcrop - possibly not in situ; and associated loose boulders	1599542	5407748		Outcrop	Sandstone	Hard grey medium sandstone, weathering pink. On slope to E blocks of fine-coarse sandstone, with unidentified fossils	50	100	Y		
00268	18/10/17	D Briggs, I Ladds, T Aldridge	Outcrop in side of track	1599651	5407655		Outcrop	Sandstone	Grey fine sandstone and siltstone, weathering cream, with M problematica	40	130	Y	Otamitan	Check co-ordinates
00269	18/10/17	D Briggs, I Ladds, T Aldridge	Outcrops in side of track	1599685	5407748		Outcrop	Sandstone	Yellowish fine sandstone/siltstone with M problematica and Athyrids			Y	Otamitan	
00270	18/10/17	D Briggs, I Ladds, T Aldridge	Outcrop at corner of track	1599824	5407719		Outcrop	Mudstone	Interbedded mudstones and fine sandstones	35	120	N		
00271	18/10/17	D Briggs, I Ladds, T Aldridge	Rocky outcrop above track	1599766	5407690		Outcrop	Sandstone	Coarse creamy sandstone, with large iron-rich nodules and Athyrid specimens	41	120	Y		
00272	18/10/17	D Briggs, I Ladds, T Aldridge	Outcrop beside track	1599790	5407665		Outcrop	Sandstone	Hard yellowish coarse sandstone, showing strong bedding	60	120	N		
00273	18/10/17	D Briggs, I Ladds, T Aldridge	Outcrop beside track	1599761	5407648		Outcrop	Sandstone	Interbedded hard creamy sandstone, and weathered, orange marly sands/clays	60	110	N		
00274	18/10/17	D Briggs, I Ladds, T Aldridge	Outcrop beside track	1599754	5407603		Outcrop	Sandstone	Equal portions of interbedded sandstone and cream, marly mudstone; very weathered	55	120	N		
00275	18/10/17	D Briggs, I Ladds, T Aldridge	Outcrop beside track, near junction	1599694	5407556		Outcrop	Sandstone	Grey weathered fine sandstone	72	130	N		
00276	18/10/17	D Briggs, I Ladds, T Aldridge	Scree on N flank of small secondary gully at head of Grandfather's Gully	1599415	5407545		Scree	Sandstone	Very mixed scree of fine-medium sandstone with abundant fossils; shows marked difference from coarse creamy sandstone on coarser screes to east			Y	Otamitan	

00277	9/11/17	D Briggs, T Aldridge	Blocky scree beside gate	1599676	5407904	261	Scree	Siltstone	Mainly yellow siltstone with occasional gritty blocks containing abundant small ribbed brachiopods (Terebratulids?) and larger winged brachiopods (?), plus Maoritrigonia			Y		
00278	9/11/17	D Briggs, T Aldridge	Coarse angular scree beside track	1599812	5407869	254	Scree	Sandstone	Mantacula, abundant, in scree; mainly elongate, flattened forms			Y	Otamitan	
00279	9/11/17	D Briggs, T Aldridge	Scree, immediately west of assumed Highfield fault	1600235	5407807	231	Scree	Sandstone	Fine grey sandstone scree with Mantacula and possible zoophycos (photo)			Y	Otamitan	
00280	9/11/17	D Briggs, T Aldridge	Outcrop beside track	1600265	5407758	229	Outcrop	Sandstone	Fine, grey-green sandstone	40	120	N		
00281	9/11/17	D Briggs, T Aldridge	Boulders in base of Gully A stream	1600490	5407702	261	Stream/gully bed	Gritstone	Richly fossiliferous gritstone with shell fragments including Spiriferina. Rhynchonella, Mentzeliopsis spinosa and Alipunctifera			Y	Kaihikuan	
00282	9/11/17	D Briggs, T Aldridge	Track above Gully B, near corner with stream	1600636	5407539	299	Outcrop	Gritstone	Poor outcrop of tufaceous sandstone/siltstone, unfossiliferous			N		
00283	9/11/17	D Briggs, T Aldridge	Small stone on corner of track	1600455	5407602	304	Isolated boulder	Sandstone	Gritty coarse sandstone with small shell fragments and Maoritrigonia					
00284	3/12/17	D Briggs, T Aldridge, T Brown		1600295	5407213		Outcrop	Siltstone	Grey-green siltstone and fine sandstone, breaking easily into angular fragments. Poorly bedded.	56	95	N		Dip uncertain.
00285	3/12/17	D Briggs, T Aldridge, T Brown	Scree at side of track on N side of Gully C	1600360	5407139	376	Scree	Sandstone	Fine-medium grey sandstone and siltstone, weathering to cream patina. Blocks of medium sandstone include trace fossils.			Y		Zoophycos?
00286	3/12/17	D Briggs, T Aldridge, T Brown	Near corner of track in Gully C	1600403	5406864	425	Outcrop	Sandstone	Well-bedded grey fine sandstone and siltstone, with shaly partings.	49	120	N		Dip uncertain
00287	3/12/17	D Briggs, T Aldridge, T Brown	Track on W side of Gully C	1600084	5407246	354	Cutting	Sandstone	Pink, coarse sandstone and gritstone; soft, weathered.			Y		
00288	3/12/17	D Briggs, T Aldridge, T Brown	Track below iron nodule site on Pig Hill	1600162	5407599	274	Scree	Sandstone	Grey-cream coarse sandstone and gritstone, with abundant fossil cavities.			Y		
00289	18/3/18	D Briggs, I Ladds, T Aldridge, M Davis	Track above Punawai Quarry, east side	1601567	5408217	249	Scree	Sandstone	Grey fine-medium sandstone and siltstone containing abundant fossils	60	130	Y	Kaihikuan	Direction approximate
00290	18/3/18	D Briggs, I Ladds, T Aldridge, M Davis	Track above Punawai Quarry, towards top of ridge	1601001	5408075	425	Outcrop	Sandstone	This (7cm) sandstone bed in grey siltstone	60	140		Kaihikuan	Direction approximate
00291	18/3/18	D Briggs, I Ladds, T Aldridge, M Davis	Track above Punawai Quarry, near col	1600990	5408041		Outcrop	Conglomerate	Conglomerate bed (ca. 2.5 m thick) above siltstone beds; pebbles < 30 cm; mean ca. 3 cm, including pink granite and coarse sandstone	52	100		Kaihikuan	Direction approximate

00292	18/3/18	D Briggs, I Ladds, T Aldridge, M Davis	Col near top of Gully A	1600836	5407982		Outcrop	Conglomerate	Conglomerate bed, outcropping at top of Gully A				Kaihikuan	
00293	18/3/18	D Briggs, I Ladds, T Aldridge, M Davis		1600845	5407912		Isolated boulder	Sandstone	Dark grey, fine sandstone containing fossil fragments, including anthozoa				Kaihikuan	
00294	18/3/18	D Briggs, I Ladds, T Aldridge, M Davis		1600745	5408018	440	Isolated boulder	Sandstone	Grey-cream medium-fine sandstone with fossils			Y	Kaihikuan	
00295	18/3/18	D Briggs, I Ladds, T Aldridge, M Davis		1600822	5407986	453	Cutting	Conglomerate	Conglomerate				Kaihikuan	
00296	18/3/18	D Briggs, I Ladds, T Aldridge, M Davis	Col at top of Gully B, west side	1600936	5407777	443	Outcrop	Mudstone	Line of fault shown by presence of limestone and, nearby, broken siltstones and mudstones, heavily impregnated with huelendite	65	180		Kaihikuan	Dip measured 20 m north; Direction approximate
00297	18/3/18	D Briggs, I Ladds, T Aldridge, M Davis	Fenceline on Punawai ridge	1600984	5407874	452	Other	Conglomerate	Conglomerate block exposed in soil				Kaihikuan	
00298	18/3/18	D Briggs, I Ladds, T Aldridge, M Davis	Punawai Ridge, below fenceline	1601146	5408129	396	Isolated boulder	Sandstone	Dark grey fine sandstone, containing large Alipunctifera			Y	Kaihikuan	
00299	18/3/18	D Briggs, I Ladds, T Aldridge, M Davis	Track above Punawai Quarry, east side	1601143	5408131	396	Scree	Sandstone	Sandstone containing small brachiopods			Y	Kaihikuan	
00300	18/3/18	D Briggs, I Ladds, T Aldridge, M Davis	Track above Punawai Quarry, east side	1601386	5408200		Scree	Sandstone	Sandstone containing small brachiopods			Y	Kaihikuan	
00301	21/4/18	I Ladds, D Briggs	Track beside wood at corner with 88 Valley	1599664	5406986	287	Scree	Breccia	Mix of materials including fine grey sandstone, breccia containing dark fragments and conglomerate showing bedding				Otamitan	
00302	21/4/18	D Briggs	Fine scree at base of slope	1599731	5407004		Scree	Sandstone	Fine grey sandstone blocks in scree				Otamitan	
00303	21/4/18	I Ladds	Scree beside track	1599839	5407149	258	Scree	Sandstone	Fine sandstone with abundant fossils				Otamitan	
00304	21/4/18	I Ladds, D Briggs	Scree above track	1599840	5407331	267	Scree	Sandstone	Fine sandstone with common fossils	80	290		Otamitan	
00305	21/4/18	D Briggs	Outcrop on W side of 88 Valley	1599770	5407159		Outcrop	Sandstone	Fine-medium sandstone exposed in clear face; occasional casts of M problematic	70	270		Otamitan	

00306	21/4/18	I Ladds	Scree 20 m south of site 00304	1599840	5407139		Scree	Sandstone	Nautiloid fragment in fine sandstone block in scree						
00307	21/4/18	M Davis	Scree on E side of Boundar Gully	1599572	5407181		Scree	Sandstone	Nautiloids in scree						
00308	21/4/18	M Davis	Scree in gully above willow trees	1599570	5407128		Scree	Sandstone	Brachiopod in scree						
00309	27/5/18	I Ladds, T Aldridge, T Brown	Conglomerate in situ in road cutting	1599518	5407223	374	Cutting	Conglomerate	Conglomerate in road cutting						
00310	27/5/18	I Ladds, T Aldridge, T Brown	Conglomerate at boundary of Warepan/Otapirian	1599373	5407393	375	Outcrop	Conglomerate	Conglomerate in situ						
00311	27/5/18	I Ladds, T Aldridge, T Brown	Rock removed for analysis	1599615	5407342	382	Outcrop		Rock removed for analysis				Y		
00312	27/5/18	I Ladds, T Aldridge, T Brown	Transition from gritstone to fine sandstone west of 88 Valley River; fine sandstone is uphill	1599663	5407220	355	Outcrop	Sandstone	Transition from coarse gritstone to fine sandstone						
00313	27/5/18	I Ladds, T Aldridge, T Brown	Fossil in scree	1599677	5407185	336	Scree	Sandstone	Green tuffaceous sandstone with ?Oxycolpella and ?Athyris						
00314	27/5/18	I Ladds, T Aldridge, T Brown	M problematica in situ	1599703	5407210	326	Outcrop	Sandstone	M problematica in situ				Y		
00315	27/5/18	I Ladds, T Aldridge, T Brown	M problematica	1599792	5407286	300	Outcrop	Sandstone	M problematica in situ				Y		
00316	27/5/18	I Ladds, T Aldridge, T Brown		1599696	5407197	333	Scree	Gritstone	Coarse gritstone with large fragment of wood				Y		
00317	30/6/18	D Briggs. T Brown	Conglomerate outcop, head of Ram Gully	1599551	5407292	387	Outcrop	Conglomerate	Conglomerate beds, ca. 0.5 m thick, clasts < 20cm, mean = 2cm; overlying fine-medium grey sandstone; grades in 3 metres to cream medium sandstone	80	290			Otapirian	Same as site 00231
00318	30/6/18	D Briggs. T Brown	Track on W side Boundary Gully	1599517	5407373	375	Cutting	Conglomerate	Coarse conglomerate; clasts < 10cm, mean = 2cm;					Otapirian	
00319	30/6/18	D Briggs. T Brown	Outcrop and boulders above track	1599495	5407214	374	Outcrop	Conglomerate	Conglomerate grades west (downwards) within 20 metres to medium-fine conglomerate (< 1cm; mean 0.5cm)	79	285			Otapirian	
00320	30/6/18	D Briggs. T Brown	Track on W side Boundary Gully	1599534	5407239	380	Cutting	Sandstone	Cream medium-fine sandstone, rich in Monotis	78	290			Warepan	
00321	30/6/18	D Briggs. T Brown	Boulder train above track at head of Boundary Gully	1599590	5407283	392	Blockfield	Sandstone	Coarse grey sandstone; hard, blocky; < 3 metres deep					Otamitan	
00322	30/6/18	D Briggs. T Brown	Second boulder train at head of Boundary Gully	1599597	5407269	390	Blockfield	Breccia	Fine breccia in grey sandstone matrix; clasts < 1cm, mean ca. 3mm; < 5 metres deep					Otamitan	
00323	30/6/18	D Briggs. T Brown	Outcrop and boulder train above track at head of Boundary Gully	1599611	5407257	393	Outcrop	Gritstone	Pink gritstone with occasional large clasts; angular, quartz, ?feldspar, dark ?amphiboles; weathered.	72	270			Otamitan	

00324	30/6/18	D Briggs. T Brown	Outcrop and cuttings beside track	1599600	5407235	388	Cutting	Gritstone	Gritstone transitions into interbedded sequence of sandstones				Otamitan	
00325	30/6/18	D Briggs. T Brown	Sequence through cuttings beside track	1599606	5407217	387	Cutting	Sandstone	Soft, fine yellow sandstone, shaly, interbedded with harder grey sandstone and weathered, soft gritty clays; each bed 20-40 cm deep; ca. 15 sets of beds in total, continuing for 20 metres.				Otamitan	
00326	30/6/18	D Briggs. T Brown	Continued sequence on track east of saddle	1599632	5407168	383	Cutting	Sandstone	Interbedded sequence of weathered, coarse grey sandstones and soft gritstones, with green fragments of weathering ?biotite.	57	265		Otamitan	
00327	30/6/18	D Briggs. T Brown	Continuation of sequence on track	1599632	5407153	382	Cutting	Sandstone	Coarse grey sandstone and gritstone with shaly partings; ? Wood fragments and fragments of dark ?volcanic debris				Otamitan	
00328	30/6/18	D Briggs. T Brown	Cutting at corner of track	1599652	5407137	372	Cutting	Sandstone	Sequence transitions into shaly, weathered sandstone and gritstone				Otamitan	
00329	30/6/18	D Briggs. T Brown	Outcrop ca. 10 metres below corner of track	1599632	5407096	353	Outcrop	Sandstone	Medium grey sandstone; bedding indistinct; jointed and fissured	82	100		Otamitan	Overturbed?
00330	30/6/18	D Briggs. T Brown	Scree, 20 metres below outcrop	1599632	5407085	349	Scree	Sandstone	Grey medium sandstone with brachiopods				Otamitan	
00331	30/6/18	D Briggs. T Brown	Outcrop half way down slope on W side of 88 Valley	1599615	5407071	344	Outcrop	Sandstone	Hard, compact grey coarse sandstone; angular grains of quartz and small ?biotite fragments. Fossil traces and fragments.	68	260		Otamitan	
00332	30/6/18	D Briggs. T Brown	Small outcrop beside scree	1599632	5407027	326	Outcrop	Sandstone	Medium grey sandstone and fine gritstone.				Otamitan	
00333	30/6/18	D Briggs. T Brown	Outcrop in track above 88 Stream	1599712	5406984	286	Outcrop	Sandstone	Hard, compact, fine grey sandstone; fossil fragments.	80	290		Otamitan	
00334	30/6/18	D Briggs. T Brown	Outcrop above track	1599740	5407092	303	Outcrop	Sandstone	Hard grey, fine grey sandstone; weak bedding; deformed.				Otamitan	
00335	30/6/18	D Briggs. T Brown	Boulder half way up slope	1599693	5407147	343	Isolated boulder	Sandstone	Fine grey sandstone with abundant M problematica.				Otamitan	
00336	30/6/18	D Briggs. T Brown	Isolated boulder beside track	1599626	5407041	329	Isolated boulder	Conglomerate	Large conglomerate boulders at edge of track; possibly displaced				Otamitan	Co-ordinates unreliable
00337	30/6/18	D Briggs. T Brown	Outcrop on lower slopes above track	1599615	5407071	344	Outcrop	Sandstone	Grey, coarse sandstone; bedding indistinct				Otamitan	Co-ordinates unreliable
00338	N/A	I Ladds	North face of Cat Hill, just above middle track	1599814	5407863		Scree	Gritstone						
00339	N/A	I Ladds	Gully C, loose material above track, west wall	1600278	5407616		Scree	Gritstone						
00340	11/8/18	I Ladds, D Briggs, T Brown, T Aldreidge	Corner of field beside water butt, Poplar Tree corner	1599872	5408171	197	Scree	Sandstone	Fine grey sandstone, ?tuffaceous, with abundant small brachiopods including Spriferina and fine-ribbed bivalves (?Halobia), small round bivalves (cf Unionites), ?Oxycolpella wreyi and Retzia morganii			Y	Oretian	

00341	11/8/18	D Briggs	Scree beside fence, ca. 20 metres above stream, foot of Fault Gully	1600189	5407892	262	Scree	Sandstone	Ammonite in sandstone block			Y	Otamitan	
00342	11/8/18	I Ladds, D Briggs, T Brown, T Aldridge	Fine scree above first side gully on W side of Faulty Gully	1600252	5408045	262	Scree	Sandstone	Blocks of coarse gritstone and fine conglomerate amidst sandstone scree; gritstone weathered, with pebbles < 2 cm, mean = 3-4 mm; weathered shell fragments of ?M problematica			Y	Otamitan	
00343	11/8/18	D Briggs, T Brown	Fine-grained sandstone scree on northern flank of first side gully	1600243	5408070	273	Scree	Sandstone	Rare blocks of gritstone/conglomerate amidst sandstone scree; rare M problematica			Y	Otamitan	Implies second gritstone bed upslope (to west of main bed)
00344	11/8/18	D Briggs, T Brown	Scree near base of side gully	1600241	5408082	278	Scree	Sandstone	Common M problematica in gritstone and grey fine sandstone			Y	Otamitan	
00345	11/8/18	D Briggs, T Brown	Small outcrop to W of gritstone band	1600246	5408721	302	Outcrop	Siltstone	Compact grey siltstone; indistinct, nearly vertical bedding; runs parallel to gritstone bed and can be followed for ca. 40 m up gully.					
00346	11/8/18	D Briggs, T Brown	Outcrop near gateway on track at head of Fault Gully	1600209	5408159	316	Outcrop	Siltstone	Weathered grey-green siltstones, indistinct bedding, weathering to creamy-red soft shale. Continues E for ca. 15 m.	73	270			
00347	11/8/18	D Briggs, T Brown	Cutting on north side of track at head of Fault Gully	1600224	5408153	329	Cutting	Conglomerate	Wedge of conglomerate within siltstone beds; pebbles < 6cm in matrix of angular quartz grit.					
00348	11/8/18	D Briggs, T Brown	Fine scree at top of Fault Gully, below main saddle.	1600318	5408168	325	Scree	Sandstone	Grey fine sandstone and siltstone, weathering cream. Includes fragment with branching hole: ? Crinoid.			Y		Specimen taken for mould
00349	11/8/18	D Briggs, T Brown	Small blocks set amid scree, 2-3 metres W of larger outcrops, at head of Fault Gully	1600364	5408177	346	Outcrop	Conglomerate	Coarse conglomerate with rounded pebbles < 10 cm length (mean ca. 3cm); includes pink granites, set in angular sandy matrix. To W becomes finer - fine sandstone with white ?heulandite in veins				Kaihikuan	
00350	11/8/18	D Briggs, T Brown	Outcrop on W-facing flank at head of Fault Gully	1600360	5408144	329	Outcrop	Sandstone	Grey fine sandstone, fissured but with apparently clear bedding; weathers pink.	68	270		Kaihikuan	
00351	11/8/18	D Briggs, T Brown	Loose blocks on hillside above track, on western face of Fault Gully	1600192	5408125	311	Isolated boulder	Gritstone	Greyish gritstone with sub-rounded quartz grains and small pebbles.					
00352	11/8/18	D Briggs, T Brown	Scree beside track on western face of Fault Gully	1600169	5408014	303	Scree	Sandstone	Rare M problematica in fine grey sandstone			Y	Otamitan	
00353	11/8/18	I Ladds, D Briggs, T Brown, T Aldridge	Scree beside track on western face of Fault Gully	1600175	5407995	295	Scree	Sandstone	Prolific M problematica beds in blocks in scree.			Y	Otamitan	

00354	11/8/18	I Ladds, D Briggs, T Brown, T Aldridge	Coarse boldery scree on western face of Fault Gully	1600225	5407972	260	Scree	Sandstone	Common Manticula prproblematica, plus Oretia coxi and Oxycolpella manzavanoides			Y		
00355	11/8/18	I Ladds, T Aldridge	Scree half way up base of Fault Gully (Tony's site B)	1600335	5408072		Scree	Sandstone						
00356	11/8/18	I Ladds, T Aldridge	Scree near head of Fault Gully (Tony's site C)	1600358	5408110		Scree	Sandstone						
00357	15/9/18	I Ladds, D Briggs, T Brown, T Aldridge	Scree at base of slope	1599330	5407543	346	Scree	Sandstone	Medium-coarse grey sandstone with abundant fossils			Y	Otamitan	
00358	15/9/18	I Ladds, D Briggs, T Brown, T Aldridge	Rock outcrop on side of Grandfather's Gully	1599360	5407564	369	Outcrop	Sandstone	Coarse grey-pink sandstone with M. problematica and ?Oxycolpella	61	125	Y	Otamitan	
00359	15/9/18	I Ladds, D Briggs, T Brown, T Aldridge	Scree near base of side gully in Grandfather's Gully	1599393	5407538	361	Scree	Sandstone	Medium, hard grey sandstone with mix of fossils including Hokunuia and Oretia.			Y		
00360	15/9/18	I Ladds, D Briggs, T Brown, T Aldridge	Large blocks at top of scree in main side gully to Grandfather's Gully	1599422	5407542	380	Scree	Sandstone	Yellow, coarse sandstone-gritstone in large blocks in top of screee; contains rare M. problematica and wood fragment.			Y	Otamitan	
00361	15/9/18	I Ladds, D Briggs, T Brown, T Aldridge	Fine area of scree half way up gully on side of Grandfather's Gully	1599403	5407551	370	Scree	Sandstone	Fine scree containing medium sandstone with M. problematica, including inflated varieties and juveniles, and piece of ammonite.			Y	Otamitan	
00362	15/9/18	I Ladds, D Briggs, T Brown, T Aldridge	Small outcrop near top of side gully	1599505	5407553	410	Outcrop	Gritstone	Yellow gritstone with shaly beds and conglomerate.	48	120			
00363	15/9/18	D Briggs	Scattered blocks aroud pine trees on Cat Hill	1599407	5407661	412	Isolated boulder	Sandstone	Cream coarse sandstone/fine gritstone with abundant fossils			Y		
00364	15/9/18	I Ladds, D Briggs, T Brown, T Aldridge	Small outcrop on E flank of Cat Gill	1599538	5407544	383	Outcrop	Sandstone	Medium cream-grey sandstone with clear bedding face.	49	130			
00365	15/9/18	M Davis	Nautiloid Bed in gully on flank of Boundary Gully	1599575	5407196	363	Scree	Mudstone	Mudstone in scree conbtaining nautiloid fragments			Y		Sample
00366	15/9/18	M Davis	Not described	1599303	5407248	343	Scree	Mudstone	Fossiliferous mudstone with Clavigera			Y		Sample
00367	15/9/18	M Davis	Not described	1599279	5407207	332	Scree	Mudstone	Fossiliferous mudstone, with conglomerate.			Y		Sample
00368	15/9/18	M Davis	Not described	1599259	5407165	325	Scree	Mudstone	Not described			Y		Sample
00369	15/9/18	D Briggs, M Davies	Blockfield below crest of Cat Hill, 50 m SW of pylon	1599579	5407697	404	Blockfield	Gritstone	Yellow, very fossiliferous gritstone and grey medium sandstone with abindant fossils			Y		Sample

00370	15/9/18	I Ladds, D Briggs, T Brown, T Aldridge	Outcrop on knoll on north side of Cat Hill	1599771	5407700	373	Outcrop	Sandstone	Pink-cream sandstone, massive; concretions	40	120			
00371	15/9/18	I Ladds, D Briggs, T Brown, T Aldridge	Scree on east flank of Cat Hill	1599551	5407509	375	Scree	Gritstone	Grey gritstone containing Clavigera sp.			Y		
00372	15/9/18	T Brown	Rock face on E flank of Cat Hill	1599557	5407518	373	Outcrop	Gritstone	Grey-cream gritstone	35	130			
00373	24/11/18	D Briggs, T Aldridge	Scree on lower track, above Steam at end of Gully B/C	1600241	5407813	230	Scree	Sandstone	Fine grey sandstone with abundant fossils			Y	Otamitan	
00374	24/11/18	D Briggs, T Aldridge	Scree beside lower track, above outlet stream from Gully B/C	1600254	5407779	230	Scree	Gritstone	Weathered brown gritstone, subangular grains < 2mm, containing abundant fossil casts			Y		
00375	24/11/18	D Briggs, T Aldridge	Scree beyond corner, between previous two sites, on lower track	1600247	5407798	230	Scree	Sandstone	Compact grey sandstone with abundant moderate size shell fragments of ?bivalves; seems to form distinct bed extending up to upper track			Y		Samples (Ian, Dave)
00376	24/11/18	D Briggs, T Aldridge	Scree above lower track, 10 metres from site 0377	1600260	5407772	231	Scree	Gritstone	Fine scree containing large blocks (<50 cm) of varied lithology: gritstone, coarse grey sandstone and siltstone. Coarser materials contain abundant fragments and cavities of bivalves.			Y		Sample (Tony)
00377	24/11/18	D Briggs, T Aldridge	Rock outcrop, above lower track near junction of Gully B and Gully A	1600267	5407756	233	Outcrop	Siltstone	Unfossiliferous grey siltstone, weathering brown, showing distinct bedding surfaces	31	330			
00378	24/11/18	D Briggs, T Aldridge	Scree 20 mebelow small bluff above lower track, in Gully B main stream	1600314	5407759	235	Scree	Sandstone	Coarse grey sandstone/gritstone; compact; no fossils					
00379	24/11/18	D Briggs, T Aldridge	Scree above lower track, in Gully B main stream	1600333	5407750	238	Scree	Siltstone	Grey siltstone and coarse sandstone with rare brachiopods			Y		
00380	24/11/18	D Briggs, T Aldridge	Scree beside stream in Gully B - N branch	1600613	5407638	282	Scree	Siltstone	Scree 20m below rock outcrop in Gully B right branch, containing fine clasts of grey siltstone and occasional gritty conglomerates with common Maoritrigonia			Y	Kaihikuan	
00381	24/11/18	D Briggs, T Aldridge	Rock outcrop on north flank of Gully B - N branch	1600613	5407658	290	Outcrop	Siltstone	Grey siltstone showing apparent bedding	84	215			
00382	24/11/18	D Briggs, T Aldridge	Stream bed, Gully B north branch	1600596	5407646	273	Stream/gully bed	Sandstone	Grey sandstone with abundant moderate shell fragments, including Maoritrigonia and Mentzeliopsis etc			Y	Kaihikuan	
00383	24/11/18	T Brown	Outcrop, upper shoulder, N side of Pig Hill	1600119	5407632	279	Outcrop	Sandstone	Grey sandstone	80	300		Otamitan	Equates with site 124; dips need checking
00384	24/11/18	T Brown	South side of knoll on Pig Hill	1600134	5407604	309	Outcrop	Sandstone	Grey, strongly bedded sandstone	65	330			
00385	24/11/18	I Ladds, M Davis	Lower end, Gully C	1600624	5407597.8		Scree	Sandstone	Medium grey sandstone containing Oretia coxi			Y		

00386	24/11/18	I Ladds, M Davis	Small flat half way up Gully C, on E side, at foot of slope	1600202	5407508.4		Scree	Sandstone	Samples of Terebratulidae and Daonella			Y		
00387	24/11/18	I Ladds, M Davis	Halfway up slope in scree, between creek and track east of Gully C	1600234	5407520.7		Scree	Sandstone	Sample of Maoritrigonia			Y		
00388	24/11/18	T Aldridge	Top of Gully B below Bush Gut	1600624	5407597.8		Outcrop	Sandstone	Sandstone outcrop with good specimen of Maoritrigonia			Y		
00389	24/11/18	I Ladds, M Davis	Bed of Gully B, N branch, near small waterfall	1600569	5407652	270	Stream/gully bed	Sandstone	Mix of sandstone and conglomerate blocks containing abundant mix of fossils			Y		
00390	24/11/18	T Aldridge	Cutting beside track on W face of Gully C, north branch	1600583	5407734		Cutting	Sandstone	Grey-green sandstone and gritstone, with apparent dip into Gully C (i.e. ca. 75 degrees East)			Y		
00391	17/5/19	D Briggs	Scree on side-track on N edge of Grandfather's Gully	1599208	5407577	305	Scree	Sandstone	Medium grey sandstone and conglomerate blocks, plus some of fine-medium yellow-brown well-sorted sandstone (Otapiriab?) with abundant Monotis			Y	Warepan	
00392	17/5/19	D Briggs	Scree in base of Grandfather's Gully	1599160	5407399	334	Blockfield	Sandstone	Abundant Monotis (Endomonotis and Infaltomonotis?) in medium grey sandstone. Fossils fade out ca 5 m above track, towards fence line.			Y	Warepan	
00393	17/5/19	D Briggs	Saddle on N side of Boundary Gully	1599578	5407301	391	Isolated boulder	Sandstone	Loose blocks marking bed of darkly weathered coarse sandstone/gritstone, locally rich in brachiopods. Some samples show calcareous core of crystalline limestone.			Y	Warepan	
00394	17/5/19	D Briggs		1599230	5407425	357	Outcrop	Sandstone	Yellowish fine-medium, sandstone with plant fragments			Y	Otapirian	
00395	17/5/19	D Briggs	Blockfield on saddle above Boundary Gully	1599609	5407304	398	Outcrop	Sandstone	Coarse sandstone, with clear bedding planes, at downstream end of blockfield; may be in-situ or locally tumbled. Contains ca. 20 cm bed of dark, weathered coarse sandstone/gritstone. Can be traced N to next two sites.	70	270		Otamitan	
00396	17/5/19	D Briggs	Small outcrop on N slope from saddle above Boundary Gully	1599657	5407416	370	Outcrop	Gritstone	Continuation of beds above; gritstone/breccia/conglomerate; particles typically 3-4 mm, with larger, often angular clasts to 2 cm; indistinct bedding; can be traced downslope to next site.				Otamitan	
00397	17/5/19	D Briggs	Outcrop above track, near seepage on N side of saddle above Boundary Gully	1599686	5407660	340	Outcrop	Conglomerate	Breccia/conglomerate continues down spur in form of tumbled rocks; above track shows in-situ section, banked against brown shaly siltstone, showing clear bedding.	85	290		Otamitan	
00398	17/5/19	T Brown	West ridge above Boundary Gully	1599605	5407263	396	Outcrop	Sandstone	Coarse sandstone/gritstone outcrop.	75	270		Otamitan	

00399	17/5/19	T Brown	Outcrop at edge of track along top of Boudary Gully, from saddle	1599596	5407242	280	Outcrop	Sandstone	Coarse sandstone/gritstone outcropping as clear face, running NNW.	85	280		Otamitan
00400	17/5/19	T Brown	Isolated boulders in blockfield on W side of saddle.	1599591	5407304	399	Isolated boulder	Gritstone	Dark, weathered, soft sandstone/gritstone, lacking fossils; bed continues parallel and downslop (W) of sandstone/gritstone bed, upslope of thin fossiliferous band.				Otamitan
00401	17/5/19	T Brown	Isolated boulders in blockfield on W side of saddle.	1599604	5407309	400	Isolated boulder	Gritstone	Isolated boulder of soft, weathered sandstone/gritstone, lacking fossils, surrounded by harder sandstone (as in outcrop)				Otamitan
00402	17/5/19	M Davies	Blockfield above track on N side of Grandfather's Gully	1599230	5407425		Blockfield	Sandstone	Fine-medium yellowish granular sandstone, well-sorted, with plant fossils			Y	Otapirian
00403	17/5/19	M Davies	Blockfield below pylon, on N flank of saddle	1599532	5407409		Blockfield	Sandstone	Medium grey sandstone with abundant Monotis			Y	Warepan
00404	17/5/19	M Davies	Blockfield below pylon, on N flank of saddle	1599538	5407423		Blockfield	Sandstone	Medium grey sandstone with abundant Monotis			Y	Warepan
00405	17/5/19	M Davies	Blockfield below pylon, on N flank of saddle	1599519	5407419		Blockfield	Sandstone	Fine-medium yellowish granular sandstone, well-sorted, with plant fossils			Y	Otapirian
00406	17/5/19	M Davies	Outcrop between south and middle gullies, east flank of Cat Hill	1599560	5407553		Outcrop	Sandstone	Grey medium sandstone, exposed in degraded outcrop (in-situ?)				
00407	17/5/19	M Davies	Scree on flank of southernmost gully, on east flank of Cat Hill	1599518	5407573		Scree	Sandstone	Grey compact coarse sandstone, with clasts of grey gritstone and yellowish (Otapirian) medium sandstone				