

					Lithology			Fabric	
Hole ID	Depth_From	Depth_To	Wthg	STRAT	Lith1	Lith2	Lith2pc	Colour	Gsize
Hole ID/Site ID	Depth from	Depth To	Weathering	Stratigraphic Unit	Primary Lith	Secondary Lith	must be <50%	lith colour	grain size
MB11-004	0.00	5.80	mw	Ogv	Sst	Sms	30	brgy	
MB11-004	5.80	7.00	fr	Sst	Sst	Sms	20	gy	FDfgmg
MB11-004	7.00	8.00	fr	Sst	Sst	Sms	20	gy	FDfgmg
MB11-004	8.00	9.00	fr	Sst	Sst	Sms	20	gy	FDfgmg
MB11-004	9.00	10.00	fr	Sst	Sst	Sms	20	gy	FDfgmg
MB11-004	10.00	11.00	fr	Sst	Sst	Sms	20	gy	FDfgmg
MB11-004	11.00	12.00	fr	Sst	Sst	Sms	20	gy	FDfgmg
MB11-004	12.00	13.00	fr	Sst	Sst	Sms	20	gy	FDfgmg
MB11-004	13.00	14.00	fr	Sst	Sst	Sms	20	gy	FDfgmg
MB11-004	14.00	15.00	fr	Sst	Sst	Sms	20	gy	FDfgmg
MB11-004	15.00	16.00	fr	Sst	Sst	Sms	20	gy	FDfgmg
MB11-004	16.00	17.00	fr	Sst	Sst	Sms	20	gy	FDfgmg
MB11-004	17.00	18.00	fr	Sst	Sst	Sms	20	gy	FDfgmg
MB11-004	18.00	19.00	fr	Sst	Sst	Sms	20	gy	FDfgmg
MB11-004	19.00	20.00	fr	Sst	Sst	Sms	20	gy	FDfgmg
MB11-004	20.00	21.00	fr	Sst	Sst	Sms	20	gy	FDfgmg
MB11-004	21.00	22.00	fr	Sst	Sst	Sms	20	gy	FDfgmg
MB11-004	22.00	23.00	fr	Sst	Sst	Sms	20	gy	FDfgmg
MB11-004	23.00	24.00	fr	Sst	Sst	Sms	20	gy	FDfgmg

					Lithology			Fabric	
Hole ID	Depth_From	Depth_To	Wthg	STRAT	Lith1	Lith2	Lith2pc	Colour	Gsize
Hole ID/Site ID	Depth from	Depth To	Weathering	Stratigraphic Unit	Primary Lith	Secondary Lith	must be <50%	lith colour	grain size
MB11-004	24.00	25.00	fr	Sst	Sst	Sms	20	gy	FDfgmg
MB11-004	25.00	26.00	fr	Sst	Sst	Sms	20	gy	FDfgmg
MB11-004	26.00	27.00	fr	Sst	Sst	Sms	20	gy	FDfgmg
MB11-004	27.00	28.00	fr	Sst	Sst	Sms	20	gy	FDfgmg
MB11-004	28.00	29.00	fr	Sst	Sst	Sms	20	gy	FDfgmg
MB11-004	29.00	30.20	fr	Sst	Sst	Sms	20	gy	FDfgmg
MB11-004	30.20	31.00	fr	Sms	Sms			Lgygn	vf
MB11-004	31.00	32.00	fr	Sms	Sms			Lgygn	vf
MB11-004	32.00	33.00	fr	Sms	Sms			Lgygn	vf
MB11-004	33.00	34.00	fr	Sms	Sms			Lgygn	vf
MB11-004	34.00	35.00	fr	Sms	Sms			Lgygn	vf
MB11-004	35.00	36.00	fr	Sms	Sms			Lgygn	vf
MB11-004	36.00	37.00	fr	Sms	Sms			Lgygn	vf
MB11-004	37.00	38.60	fr	Sms	Sms			Lgygn	vf
MB11-004	38.60	39.00	fr	Sst	Sst	Sms	10	gy	HOfgcg
MB11-004	39.00	40.00	fr	Sst	Sst	Sms	10	gy	HOfgcg
MB11-004	40.00	41.00	fr	Sst	Sst	Sms	10	gy	HOfgcg
MB11-004	41.00	42.00	fr	Sst	Sst	Sms	10	gy	HOfgcg
MB11-004	42.00	43.00	fr	Sst	Sst	Sms	10	gy	HOfgcg
MB11-004	43.00	44.00	fr	Sst	Sst	Sms	10	gy	HOfgcg
MB11-004	44.00	45.00	fr	Sst	Sst	Sms	10	gy	HOfgcg
MB11-004	45.00	46.00	fr	SlS	SlS			Dgy	vf
MB11-004	46.00	47.30	fr	SlS	SlS			Dgy	vf

					Lithology			Fabric	
Hole ID	Depth_From	Depth_To	Wthg	STRAT	Lith1	Lith2	Lith2pc	Colour	Gsize
Hole ID/Site ID	Depth from	Depth To	Weathering	Stratigraphic Unit	Primary Lith	Secondary Lith	must be <50%	lith colour	grain size
MB11-004	47.30	48.00	fr	Sst	Sst			Lgy	FDpbmg
MB11-004	48.00	49.00	fr	Sst	Sst			Lgy	FDpbmg
MB11-004	49.00	50.05	fr	Sst	Sst			Lgy	FDpbmg
MB11-004	50.05	51.00	fr	Sst	Sst	Sms	30	gy	pbfg
MB11-004	51.00	52.00	fr	Sst	Sst	Sms	30	gy	pbfg
MB11-004	52.00	53.00	fr	Sst	Sst	Sms	30	gy	pbfg
MB11-004	53.00	54.00	fr	Sst	Sst	Sms	30	gy	pbfg
MB11-004	54.00	55.00	fr	Sst	Sst	Sms	30	gy	pbfg
MB11-004	55.00	56.00	fr	Sst	Sst	Sms	30	gy	pbfg
MB11-004	56.00	57.00	fr	Sst	Sst	Sms	30	gy	pbfg
MB11-004	57.00	58.00	fr	Sst	Sst	Sms	30	gy	pbfg
MB11-004	58.00	59.00	fr	Sst	Sst	Sms	30	gy	pbfg
MB11-004	59.00	60.00	fr	Sst	Sst	Sms	30	gy	pbfg
MB11-004	60.00	61.00	fr	Sst	Sst	Sms	30	gy	pbfg
MB11-004	61.00	62.00	fr	Sst	Sst	Sms	30	gy	pbfg
MB11-004	62.00	63.00	fr	Sst	Sst	Sms	30	gy	pbfg
MB11-004	63.00	64.00	fr	Sst	Sst	Sms	30	gy	pbfg
MB11-004	64.00	65.00	fr	Sst	Sst	Sms	30	gy	pbfg

					Lithology			Fabric	
Hole ID	Depth_From	Depth_To	Wthg	STRAT	Lith1	Lith2	Lith2pc	Colour	Gsize
Hole ID/Site ID	Depth from	Depth To	Weathering	Stratigraphic Unit	Primary Lith	Secondary Lith	must be <50%	lith colour	grain size
MB11-004	65.00	66.00	fr	Sst	Sst	Sms	30	gy	pbfg
MB11-004	66.00	67.00	fr	Sst	Sst	Sms	30	gy	pbfg
MB11-004	67.00	68.00	fr	Sst	Sst	Sms	30	gy	pbfg
MB11-004	68.00	69.00	fr	Sst	Sst	Sms	30	gy	pbfg
MB11-004	69.00	70.00	fr	Sst	Sst	Sms	30	gy	pbfg
MB11-004	70.00	71.00	fr	Sst	Sst	Sms	30	gy	pbfg
MB11-004	71.00	72.00	fr	Sst	Sst	Sms	30	gy	pbfg
MB11-004	72.00	73.00	fr	Sst	Sst	Sms	30	gy	pbfg
MB11-004	73.00	74.00	fr	Sst	Sst	Sms	30	gy	pbfg
MB11-004	74.00	75.00	fr	Sst	Sst	Sms	30	gy	pbfg
MB11-004	75.00	76.00	fr	Sst	Sst	Sms	30	gy	pbfg
MB11-004	76.00	77.00	fr	Sst	Sst	Sms	30	gy	pbfg
MB11-004	77.00	78.00	fr	Sst	Sst	Sms	30	gy	pbfg
MB11-004	78.00	79.00	fr	Sst	Sst	Sms	30	gy	pbfg
MB11-004	79.00	80.00	fr	Sst	Sst			Lgy	HOpbmg
MB11-004	80.00	81.10	fr	Sst	Sst			Lgy	HOpbmg
MB11-004	81.10	82.00	fr	Zbx	Sst	Sms	25	Lgy	vfmng
MB11-004	82.00	83.60	fr	Zbx	Sst	Sms	25	Lgy	vfmng
MB11-004	83.60	84.00	fr	Sst	Sst			Lgy	HOcg
MB11-004	84.00	85.50	fr	Sst	Sst			Lgy	HOcg
MB11-004	85.50	87.00	fr	SlS	SlS	Sms	25	gy	vffg

					Lithology			Fabric	
Hole ID	Depth_From	Depth_To	Wthg	STRAT	Lith1	Lith2	Lith2pc	Colour	Gsize
Hole ID/Site ID	Depth from	Depth To	Weathering	Stratigraphic Unit	Primary Lith	Secondary Lith	must be <50%	lith colour	grain size
MB11-004	87.00	88.00	fr	Sls	Sls	Sms	25	gy	vffg
MB11-004	88.00	89.00	fr	Sls	Sls	Sms	25	gy	vffg
MB11-004	89.00	90.00	fr	Sls	Sls	Sms	25	gy	vffg
MB11-004	90.00	91.00	fr	Sls	Sls	Sms	25	gy	vffg
MB11-004	91.00	92.00	fr	Sls	Sls	Sms	25	gy	vffg
MB11-004	92.00	93.00	fr	Sls	Sls	Sms	25	gy	vffg
MB11-004	93.00	94.00	fr	Sls	Sls	Sms	25	gy	vffg
MB11-004	94.00	95.00	fr	Sls	Sls	Sms	25	gy	vffg
MB11-004	95.00	96.00	fr	Sls	Sls	Sms	25	gy	vffg
MB11-004	96.00	97.00	fr	Sls	Sls	Sms	25	gy	vffg
MB11-004	97.00	98.00	fr	Sls	Sls	Sms	25	gy	vffg
MB11-004	98.00	99.00	fr	Sls	Sls	Sms	25	gy	vffg
MB11-004	99.00	100.00	fr	Sls	Sls	Sms	25	gy	vffg
MB11-004	100.00	101.00	fr	Sls	Sls	Sms	25	gy	vffg
MB11-004	101.00	102.00	fr	Sms	Sms	Sst	20	Lgygn	vfmng
MB11-004	102.00	103.00	fr	Sms	Sms	Sst	20	Lgygn	vfmng
MB11-004	103.00	104.00	fr	Sms	Sms	Sst	20	Lgygn	vfmng
MB11-004	104.00	105.00	fr	Sms	Sms	Sst	20	Lgygn	vfmng
MB11-004	105.00	106.00	fr	Sms	Sms	Sst	20	Lgygn	vfmng
MB11-004	106.00	107.00	fr	Sms	Sms	Sst	20	Lgygn	vfmng
MB11-004	107.00	108.00	fr	Sms	Sms	Sst	20	Lgygn	vfmng
MB11-004	108.00	109.00	fr	Sms	Sms	Sst	20	Lgygn	vfmng
MB11-004	109.00	110.00	fr	Sms	Sms	Sst	20	Lgygn	vfmng
MB11-004	110.00	111.00	fr	Sms	Sms	Sst	20	Lgygn	vfmng
MB11-004	111.00	112.00	fr	Sms	Sms	Sst	20	Lgygn	vfmng

					Lithology			Fabric	
Hole ID	Depth_From	Depth_To	Wthg	STRAT	Lith1	Lith2	Lith2pc	Colour	Gsize
Hole ID/Site ID	Depth from	Depth To	Weathering	Stratigraphic Unit	Primary Lith	Secondary Lith	must be <50%	lith colour	grain size
MB11-004	112.00	113.00	fr	Sms	Sms	Sst	20	Lgygn	vfmg
MB11-004	113.00	114.00	fr	Sms	Sms	Sst	20	Lgygn	vfmg
MB11-004	114.00	115.00	fr	Sms	Sms	Sst	20	Lgygn	vfmg
MB11-004	115.00	116.00	fr	Sms	Sms	Sst	20	Lgygn	vfmg
MB11-004	116.00	117.00	fr	Sms	Sms	Sst	20	Lgygn	vfmg
MB11-004	117.00	118.00	fr	Xsz	Sms			gy	vf
MB11-004	118.00	119.00	fr	Xsz	Sms			gy	vf
MB11-004	119.00	120.39	fr	Xsz	Sms			gy	vf

Hole ID	Depth_From	Depth_To	Texture	Comments
Hole ID/Site ID	Depth from	Depth To	texture	Comments regarding geology
MB11-004	0.00	5.80		colluvium + cg lithic arinite and fissile mudstone, moderate to strong weathering
MB11-004	5.80	7.00	bed	Unit is dominated by sub-lithic arinite (f-mg, poorly sorted, sub-angular, crudley bedded. isolated layers contain large bulish rounded qtz grains while others have up to 20% lithic frags and minor flds grains) with minor interbeds of light grey to black sms (moderately bedded to finely laminated, weakly folded) up to 40cm thick.
MB11-004	7.00	8.00	bed	Unit is weakly deformed with faulting/shearing occuring in the ductile sms layers.
MB11-004	8.00	9.00	bed	Graded bedding in some sst indicates younging is downhole.
MB11-004	9.00	10.00	bed	Weak qtz/cb veining with trace spl and barite throughout pre-dates faulting/shearing
MB11-004	10.00	11.00	bed	
MB11-004	11.00	12.00	bed	
MB11-004	12.00	13.00	bed	
MB11-004	13.00	14.00	bed	
MB11-004	14.00	15.00	bed	
MB11-004	15.00	16.00	bed	
MB11-004	16.00	17.00	bed	
MB11-004	17.00	18.00	bed	
MB11-004	18.00	19.00	bed	
MB11-004	19.00	20.00	bed	
MB11-004	20.00	21.00	bed	
MB11-004	21.00	22.00	bed	
MB11-004	22.00	23.00	bed	
MB11-004	23.00	24.00	bed	

Hole ID	Depth_From	Depth_To	Texture	Comments
Hole ID/Site ID	Depth from	Depth To	texture	Comments regarding geology
MB11-004	24.00	25.00	bed	<p>Light greenish-grey crude-finely bedded mudstone with some zones of reddish sms (possibly un-oxidised narchilla Fm). Very fine qtz/crb/sid veinlets throughout and chl veinlets/infill in areas of micro-fracturing/brecciation.</p> <p>crude interbeds of fine and coarse grained calcareous quartzarenite with large bluish qtz grains and minor dk gy sms interbeds</p> <p>fine grained massive limestone with minor interbeds of mg sandy limestone with moderate cb veining throughout.</p>
MB11-004	25.00	26.00	bed	
MB11-004	26.00	27.00	bed	
MB11-004	27.00	28.00	bed	
MB11-004	28.00	29.00	bed	
MB11-004	29.00	30.20	bed	
MB11-004	30.20	31.00	lay	
MB11-004	31.00	32.00	lay	
MB11-004	32.00	33.00	lay	
MB11-004	33.00	34.00	lay	
MB11-004	34.00	35.00	lay	
MB11-004	35.00	36.00	lay	
MB11-004	36.00	37.00	lay	
MB11-004	37.00	38.60	lay	
MB11-004	38.60	39.00	vkb	
MB11-004	39.00	40.00	vkb	
MB11-004	40.00	41.00	vkb	
MB11-004	41.00	42.00	vkb	
MB11-004	42.00	43.00	vkb	
MB11-004	43.00	44.00	vkb	
MB11-004	44.00	45.00	vkb	
MB11-004	45.00	46.00	mas	
MB11-004	46.00	47.30	mas	



Hole ID	Depth_From	Depth_To	Texture	Comments
Hole ID/Site ID	Depth from	Depth To	texture	Comments regarding geology
MB11-004	47.30	48.00	mas	(Yusezyu Fm) massive beds of lithic arinite with $\leq 20\%$ flds grains $\leq 15\%$ crb frags, large bluish qtz grains, grading from pebble conglomerate to mg downhole (younging). 2 distinct spl veins ~7cm thick @ 47.35 and 49.9m, 2nd is light orange in colour (spl rich?). Sharp lower contact at 50°
MB11-004	48.00	49.00	mas	
MB11-004	49.00	50.05	mas	
MB11-004	50.05	51.00	bed	interbedded variable sst* and light greenish grey to dark grey mudstone. Unit has been mod-strongly faulted/sheared with weak qtz/cb veining throughout. Qtz veins in sst predate faulting/shearing. * homogenous mg well rounded and sorted quartzarinite; moderately calcareous fg, massive; vcg, poorly sorted, dk gy lithic arinite with lge bluish rounded qtz grains; Lgyf-mg sublithic arinite Occasional late stage spl/gln/cpy veins
MB11-004	51.00	52.00	bed	
MB11-004	52.00	53.00	bed	
MB11-004	53.00	54.00	bed	
MB11-004	54.00	55.00	bed	
MB11-004	55.00	56.00	bed	
MB11-004	56.00	57.00	bed	
MB11-004	57.00	58.00	bed	
MB11-004	58.00	59.00	bed	
MB11-004	59.00	60.00	bed	
MB11-004	60.00	61.00	bed	
MB11-004	61.00	62.00	bed	
MB11-004	62.00	63.00	bed	
MB11-004	63.00	64.00	bed	
MB11-004	64.00	65.00	bed	

Hole ID	Depth_From	Depth_To	Texture	Comments
Hole ID/Site ID	Depth from	Depth To	texture	Comments regarding geology
MB11-004	65.00	66.00	bed	70.3-72.3m ~1.5m core loss
MB11-004	66.00	67.00	bed	
MB11-004	67.00	68.00	bed	
MB11-004	68.00	69.00	bed	
MB11-004	69.00	70.00	bed	
MB11-004	70.00	71.00	bed	
MB11-004	71.00	72.00	bed	
MB11-004	72.00	73.00	bed	
MB11-004	73.00	74.00	bed	
MB11-004	74.00	75.00	bed	
MB11-004	75.00	76.00	bed	
MB11-004	76.00	77.00	bed	
MB11-004	77.00	78.00	bed	
MB11-004	78.00	79.00	bed	
MB11-004	79.00	80.00	mas	Sharp lower contact @ 20°TCA massive, poorly sorted, sub angular lithic aranit ewith large crb and flda grains and rounded bluish qtz veins
MB11-004	80.00	81.10	mas	Sharp lower contact @ 20° TCA angular fault breccia with m-cg lithic aranite matrix and large clasts (up to 1cm) angular clasts of sms, sst and qtz frags.
MB11-004	81.10	82.00		Sharp lower contact @ 30°
MB11-004	82.00	83.60		
MB11-004	83.60	84.00	mas	Quartzaranite with intense pervasive silicification
MB11-004	84.00	85.50	mas	Lower contact faulted Light grey limestone with interbeds of dk gy/black graphitic mudstone/marl and minor variable sst. Moderate cb veins throughout which have been offest/brecciated bu shearing/faulting which has affeccted the entire unit
MB11-004	85.50	87.00	bed	

Hole ID	Depth_From	Depth_To	Texture	Comments
Hole ID/Site ID	Depth from	Depth To	texture	Comments regarding geology
MB11-004	87.00	88.00	bed	Where sms is dominant faulting/shearing is more intense. Breccia zones occur where sls or sst are dominant with sms infill/matrix.
MB11-004	88.00	89.00	bed	
MB11-004	89.00	90.00	bed	
MB11-004	90.00	91.00	bed	
MB11-004	91.00	92.00	bed	
MB11-004	92.00	93.00	bed	
MB11-004	93.00	94.00	bed	
MB11-004	94.00	95.00	bed	
MB11-004	95.00	96.00	bed	
MB11-004	96.00	97.00	bed	
MB11-004	97.00	98.00	bed	
MB11-004	98.00	99.00	bed	
MB11-004	99.00	100.00	bed	
MB11-004	100.00	101.00	bed	Lower contact fault zone, 15cm thick with healed gouge and breccia. Faulted/sheared light greenish-grey mudstone with interbedas of variable sst. Wk-mod qtz/cb veining with minor spl from 102.7-102m
MB11-004	101.00	102.00	lay	
MB11-004	102.00	103.00	lay	
MB11-004	103.00	104.00	lay	
MB11-004	104.00	105.00	lay	
MB11-004	105.00	106.00	lay	
MB11-004	106.00	107.00	lay	
MB11-004	107.00	108.00	lay	
MB11-004	108.00	109.00	lay	
MB11-004	109.00	110.00	lay	
MB11-004	110.00	111.00	lay	
MB11-004	111.00	112.00	lay	

Hole ID	Depth_From	Depth_To	Texture	Comments
Hole ID/Site ID	Depth from	Depth To	texture	Comments regarding geology
MB11-004	112.00	113.00	lay	114m 20cm of vuggy qtz veins Ductile shear zone in light grey-green and black sms with minor py. Shear strength is variable, but consistant at ~60°TCA  EOH
MB11-004	113.00	114.00	lay	
MB11-004	114.00	115.00	lay	
MB11-004	115.00	116.00	lay	
MB11-004	116.00	117.00	lay	
MB11-004	117.00	118.00		
MB11-004	118.00	119.00		
MB11-004	119.00	120.39		