

Down Hole Structural Log - Frontier Resources								Structure Code		
Hole_ID	At	Core angle (LCA)	Structure_Type	Comments	Azimuth (True)	Dip	Struc_ID	Face	Facing	
SWD002	1.25	20	Fr					Ft	Fault	
SWD002	3.20	15	Fr					Sh	shear	
SWD002	4.30	70	Vn	bulky qtz vein				Vn	vein	
SWD002	7.80	40	Vn	bulky qtz vein				Fo	Foliation	
SWD002	8.40	61	Fr					Fr	fracture	
SWD002	8.50	30	Fr					Jt	Joint	
SWD002	8.70	26	Vn	vuggy-dirty qtz vein				Bd	Bedding	
SWD002	9.40	21	Fr					Fold	Fold	
SWD002	9.80	25	Fr					con	contact	
SWD002	10.70	35	Fo					lay	layering	
SWD002	13.50	30	Fr					bnd	banding	
SWD002	14.70	25	Fr					Ln	Lineation	
SWD002	16.45	36	Fr					CATA	Cataclasite	
SWD002	17.10	75	Vn	bulky qtz vein				Slick	Slickensides	
SWD002	17.40	55	Fr	fracture contact with qtz vein				Pu	Puggy seam	
SWD002	17.90	75	Vn	qtz vein				Cl	Cleavage	
SWD002	19.70	15	Fr							
SWD002	19.85	31	Vn	bulky qtz vein				Structure Codes for Structure Sheet 2005		
SWD002	21.00	70	Fr					ID	Code	Definition
SWD002	22.30	80	Vn	bulky/milky qtz vein				1	s0	bedding
SWD002	22.40	80	Vn	bulky/milky qtz vein				2	sX	cleavage; undefined generation
SWD002	24.30	21	Fr	fracture fill with py+ga				3	j	joints
SWD002	24.81	35	Fr					4	f	faults
SWD002	25.70	20	Fr					5	h	fold hinge (format is plunge dir, plunge angle)
SWD002	25.75	50	Vn	qtz+ga vein				6	N	north
SWD002	27.15	50	Fr					7	S	south
SWD002	27.30	36	Fr					8	E	east
SWD002	29.00		Sh	sheared/brecciated zone				9	W	west
SWD002	30.05	40	Fr					10	stria	stria
SWD002	30.50	15	Fr					11	kb	kink band
SWD002	30.71	48	Vn	cb+qtz vein				12	b	banding
SWD002	31.15	30	Vn	cb+qtz vein				13	fol	foliation
SWD002	34.68	61	Fr					14	slickensides	slickensides
SWD002	34.90	45	Fr					15	vn	vein
SWD002	35.15	45	Fr					16	frac	fracture
SWD002	35.25	34	Vn	cb+qtz vein						
SWD002	36.20	15	Vn	qtz vein						
SWD002	38.50	20	Vn	bulky/milky qtz vein						
SWD002	40.20	40	Sh	sheared/brecciated structure						
SWD002	41.30	20	Fr							
SWD002	41.85	24	Fr							
SWD002	42.80	10	Vn	1cm bulky qtz vein						
SWD002	43.15	41	Vn	cb vein						
SWD002	45.90	30	Vn	8mm cb vein						

Frontier Resources Ltd			Drill Core Recovery & RQD Log				
Hole_ID	From	To	Interval	Measured	Recovery%	Lengths>10cm	RQD %
SWD002	0	1.6	1.6	1.24	77.50	0.23	14.38
SWD002	1.6	3.1	1.5	1.5	100.00	0.22	14.67
SWD002	3.1	4.6	1.5	1.5	100.00	0.3	20.00
SWD002	4.6	6.1	1.5	0.25	16.67	0	0.00
SWD002	6.1	7.6	1.5	0	0.00	0	0.00
SWD002	7.6	9.1	1.5	1.54	102.67	0.31	20.67
SWD002	9.1	10.6	1.5	1.26	84.00	0.4	26.67
SWD002	10.6	12.1	1.5	1.37	91.33	0	0.00
SWD002	12.1	13.6	1.5	1.6	106.67	0	0.00
SWD002	13.6	15.1	1.5	0.96	64.00	0	0.00
SWD002	15.1	16.6	1.5	0.9	60.00	0	0.00
SWD002	16.6	18.1	1.5	1.45	96.67	0	0.00
SWD002	18.1	19.6	1.5	1.4	93.33	0	0.00
SWD002	19.6	21.1	1.5	1.43	95.33	0.23	15.33
SWD002	21.1	22.6	1.5	1.4	93.33	0.22	14.67
SWD002	22.6	24.1	1.5	1.42	94.67	0.12	8.00
SWD002	24.1	25.6	1.5	1.3	86.67	0.5	33.33
SWD002	25.6	27.1	1.5	1.1	73.33	0	0.00
SWD002	27.1	28.6	1.5	1.35	90.00	0.37	24.67
SWD002	28.6	30.1	1.5	1.29	86.00	0.2	13.33
SWD002	30.1	31.6	1.5	1.5	100.00	0.91	60.67
SWD002	31.6	33.1	1.5	1.05	70.00	0.15	10.00
SWD002	33.1	34.45	1.35	1.25	92.59	0	0.00
SWD002	34.45	36.1	1.65	1.5	90.91	0.8	48.48
SWD002	36.1	38.6	2.5	1.02	40.80	0.12	4.80
SWD002	38.6	40.1	1.5	1.65	110.00	0.74	49.33
SWD002	40.1	41.6	1.5	1.3	86.67	0.59	39.33
SWD002	41.6	43.1	1.5	1.43	95.33	0.7	46.67
SWD002	43.1	44.52	1.42	1.45	102.11	0.14	9.86
SWD002	44.52	46.1	1.58	1.6	101.27	0.44	27.85
SWD002	46.1	47.6	1.5	1.35	90.00	0.68	45.33
SWD002	47.6	49.1	1.5	1.5	100.00	0.66	44.00
SWD002	49.1	50.6	1.5	1.57	104.67	1	66.67
SWD002	50.6	52.1	1.5	1.5	100.00	1.04	69.33
SWD002	52.1	53.6	1.5	1.55	103.33	0.78	52.00
SWD002	53.6	55.1	1.5	1.45	96.67	0.4	26.67
SWD002	55.1	56.6	1.5	1.55	103.33	0.68	45.33
SWD002	56.6	58.1	1.5	1.5	100.00	0.4	26.67
SWD002	58.1	59.6	1.5	1.5	100.00	0.33	22.00
SWD002	59.6	60.1	0.5	1.45	290.00	0.69	138.00
SWD002	60.1	61.6	1.5	1.5	100.00	0.15	10.00
SWD002	61.6	63.1	1.5	1.34	89.33	0.84	56.00
SWD002	63.1	66.1	3	2.93	97.67	0.82	27.33
SWD002	66.1	69.1	3	3	100.00	1.3	43.33
SWD002	69.1	72.1	3	2.95	98.33	0.61	20.33
SWD002	72.1	75.1	3	3	100.00	0.31	10.33
SWD002	75.1	78.1	3	3	100.00	0.35	11.67
SWD002	78.1	81.1	3	3	100.00	0.19	6.33
SWD002	81.1	84.1	3	3.07	102.33	1.07	35.67
SWD002	84.1	87.1	3	3.1	103.33	1.15	38.33
SWD002	87.1	90.1	3	3	100.00	2.15	71.67
SWD002	90.1	93.1	3	3	100.00	1.08	36.00
SWD002	93.1	96.1	3	2.95	98.33	1.03	34.33
SWD002	96.1	99.1	3	3.03	101.00	1.55	51.67

SWD002	99.1	102.1	3	2.95	98.33	2.64	88.00
SWD002	102.1	105.1	3	2.97	99.00	1.93	64.33
SWD002	105.1	108.1	3	2.93	97.67	2.13	71.00
SWD002	108.1	111.1	3	3	100.00	2.46	82.00
SWD002	111.1	114.1	3	3	100.00	2.5	83.33
SWD002	114.1	117.1	3	3	100.00	1.25	41.67
SWD002	117.1	120.1	3	2.95	98.33	2.28	76.00
SWD002	120.1	123.1	3	3.05	101.67	2.62	87.33
SWD002	123.1	126.1	3	2.98	99.33	2.2	73.33
SWD002	126.1	129.1	3	3.12	104.00	2.06	68.67
SWD002	129.1	132.1	3	3.13	104.33	2.32	77.33
SWD002	132.1	135.1	3	3	100.00	2.83	94.33
SWD002	135.1	138.1	3	3	100.00	2.34	78.00
SWD002	138.1	141.1	3	2.95	98.33	2.2	73.33
SWD002	141.1	144.1	3	3	100.00	1.86	62.00
SWD002	144.1	147.1	3	3.06	102.00	2.12	70.67
SWD002	147.1	150.1	3	3	100.00	2.04	68.00
SWD002	150.1	153.1	3	3	100.00	1.5	50.00
SWD002	153.1	156.1	3	2.93	97.67	1.82	60.67
SWD002	156.1	159.1	3	3.05	101.67	1.96	65.33
SWD002	159.1	162.1	3	3	100.00	2.44	81.33
SWD002	162.1	165.1	3	3.02	100.67	2.74	91.33
SWD002	165.1	168.1	3	3	100.00	2.51	83.67
SWD002	168.1	171.1	3	3	100.00	2.4	80.00
SWD002	171.1	174.1	3	3	100.00	2.08	69.33
SWD002	174.1	177.1	3	3	100.00	0.97	32.33
SWD002	177.1	180.1	3	2.95	98.33	1.06	35.33
SWD002	180.1	183.1	3	3.05	101.67	2.28	76.00
SWD002	183.1	186.1	3	3	100.00	1.22	40.67
SWD002	186.1	189.1	3	3	100.00	2.36	78.67
SWD002	189.1	192.1	3	2.95	98.33	1.45	48.33
SWD002	192.1	195.1	3	3	100.00	2.32	77.33
SWD002	195.1	198.1	3	3	100.00	0.98	32.67
SWD002	198.1	201.1	3	3.1	103.33	2.34	78.00
SWD002	201.1	204.1	3	3	100.00	2.65	88.33
SWD002	204.1	207.1	3	2.97	99.00	2.64	88.00
SWD002	207.1	210.1	3	2.98	99.33	2.62	87.33
SWD002	210.1	213.1	3	2.96	98.67	1.78	59.33
SWD002	213.1	216.1	3	3	100.00	0.98	32.67
SWD002	216.1	219.1	3	3.1	103.33	2.31	77.00
SWD002	219.1	222.1	3	3	100.00	2.34	78.00
SWD002	222.1	225.1	3	3	100.00	2.01	67.00
SWD002	225.1	228.1	3	3	100.00	2.64	88.00
SWD002	228.1	231.1	3	3	100.00	2.46	82.00
SWD002	231.1	234.1	3	3	100.00	2.06	68.67
SWD002	234.1	237.1	3	3	100.00	1.97	65.67
SWD002	237.1	240.1	3	3	100.00	2.44	81.33
SWD002	240.1	243.1	3	3.02	100.67	1.99	66.33
SWD002	243.1	246.1	3	3	100.00	1.06	35.33
SWD002	246.1	249.1	3	3	100.00	1.78	59.33
SWD002	249.1	252.1	3	3	100.00	2.15	71.67
SWD002	252.1	255.1	3	3	100.00	2.64	88.00
SWD002	255.1	258.1	3	3	100.00	2.78	92.67
SWD002	258.1	261.1	3	3	100.00	2.45	81.67
SWD002	261.1	264.1	3	2.99	99.67	1.53	51.00
SWD002	264.1	267.1	3	3	100.00	1.25	41.67

SWD002	267.1	270.1	3	2.95	98.33	1.91	63.67
SWD002	270.1	273.1	3	3	100.00	0.92	30.67
SWD002	273.1	276.1	3	3	100.00	2.08	69.33
SWD002	276.1	279.1	3	3	100.00	2.14	71.33
SWD002							
SWD002							

SMRV Lithology, Alteration and Mineralisation Look Up Table

Geol Code	Text	Lith Code	Lithology
Ocs	Ordovician Conglomerate		Clastic
Os	Ordovician quartz sandstone	Sh	shale
Osh	Ordovician Shale and siltstones (pyritic)	Lmst	limestone
Ctvc	Volcaniclastic Conglomerate (Cambro-Ordovician?)	Mdst	mudstone
Ctvl	Lithic bearing quartz crystal-rich felsic volcaniclastic sandstone (often rounded)	Slst	siltstone
Ctqvs	Quartz crystal-rich felsic volcaniclastic sandstone	Sst	sandstone
Ccb	Basalt	SSst	siliciclastic sandstone
Ccd	Dolerite	Congl	conglomerate
Csh	Shale	ESst	epiclastic sandstone
Cvl	Limestone	Vmdst	volcaniclastic mudstone
Cve	Epiclastic Sandstones	VSlst	felsic volcaniclastic siltstone
Cvslt	Felsic volcaniclastic siltstone	VSst	felsic volcaniclastic sandstone
Cvst	Felsic quartz-phyric volcaniclastic sandstone	VTSst	felsic volcaniclastic sandstone, thin bedded
Cvls	Felsic quartz-phyric lithic volcaniclastic sandstone, undifferentiated	VQXSst	felsic quartz-crystal-rich volcaniclastic sandstone
Cvb	Felsic volcaniclastic breccia, undifferentiated	VFQSst	feldspar-quartz-phyric felsic volcaniclastic sandstone
Cveb	Polymict Lithic Volcaniclastic Sandstone and Breccia; commonly sulphide clast bearing	VQFSst	quartz-feldspar-phyric felsic volcaniclastic sandstone
Cvebs	Polymict Lithic Volcaniclastic Sandstone, commonly sulphide clast bearing	VPSst	felsic pumiceous volcaniclastic sandstone
Cvebb	Polymict Breccia, commonly sulphide clast bearing	VLSt	felsic lithic volcaniclastic sandstone
Cflq	Quartz porphyritic lava	VLLSst	felsic lapilli lithic volcaniclastic sandstone
Cfl	Quartz-feldspar-(biotite) porphyritic lava	VBLSst	felsic block lithic volcaniclastic sandstone
Cv	Felsic volcaniclastics, variably quartz and feldspar phyric / crystal bearing	VQQLSst	felsic quartz-crystal-rich lithic volcaniclastic sandstone
Cu	Cambrian undifferentiated felsic volcanic	VPLLSst	polymict lapilli lithic volcaniclastic sandstone
FALT	Fault	VPBLSst	polymict block lithic volcaniclastic sandstone
QVN	Quartz vein (+/- chlorite, carbonate & sulphides)	VCPLSst	polymict carbonate clast-bearing lithic volcaniclastic sandstone
MEX	Chert / Exhalative	VMPLSst	polymict MS clast-bearing lithic volcaniclastic sandstone
MSSX	Massive base metal sulphide	VB	volcanic breccia (undifferentiated)
SMSX	Semi-massive sulphide	VH	felsic monomict volcanic breccia (hyaloclastite?)
DSX	Disseminated Sulfide	VLB	felsic lapilli volcanic breccia
SiSX	Pervasive silica-sulphide	VQLB	felsic quartz-crystal-rich lapilli volcanic breccia
Si	Pervasive silica alteration	VBB	felsic block volcanic breccia
Jsp	jasper / red / brown pervassive silica	VQQB	felsic quartz-crystal-rich block volcanic breccia
Cb	Carbonate alteration	VPLB	polymict lapilli volcanic breccia
Ch	Chlorite alteration	VPBB	polymict block volcanic breccia
Ser	Sericite alteration	VCPB	polymict carbonate clast-bearing volcaniclastic breccia
OX	Oxidised, including FeO	VMPB	polymict MS clast-bearing volcaniclastic breccia
Ab	pink Albitic alteration	VC	volcaniclastic conglomerate
KSP	Potassium Feldspar (/Hematite?) Alteration		Coherent Rocks
		LQR	quartz-phyric rhyolitic porphyry (/lava)
		LQFR	quartz-feldspar-phyric rhyolitic porphyry (/lava)
		LQFBD	quartz-feldspar-biotite-phyric dacite porphyry (/lava)
		LQFHD	quartz-feldspar-hornblende-phyric dacite porphyry (/lava)
		LB	basalt
		IB	dolerite
		IG	granite
			Undifferentiated
		UR	felsic volcanic (undifferentiated)
		URQQ	quartz-crystal-rich felsic volcanic (undifferentiated)
		URQ	quartz-phyric felsic volcanics
		UFQR	feldspar-quartz-phyric felsic volcanics
		UQFR	quartz-feldspar-phyric felsic volcanics
		UB	mafic (undifferentiated)
			Other
		FALT	fault
			Mineralisation and Alteration
		QVN	quartz veining
		SQV	sulphide-bearing quartz vein
		MEX	Chert / Exhalative
		MSSX	massive sulphide
		SMSX	semi-massive sulphide
		DSX	disseminated sulphides
		SiSX	Pervasive silica-sulphide
		Ch	chlorite
		Ser	sericite
		Si	silica - pervassive
		KSP	Pink Potassium feldspar (/Hm) alteration
		Ab	pink Albitic alteration
		Fk	Fuchsite
		Cb	Carbonate
		OX	Oxidised, including FeO
		SiI-Hm	pervassive silica hematite
		Jsp	jasper / red / brown pervassive silica

Frontier Resources Ltd				Down hole assay data							
Project	Prospect	Hole_ID	From	To	Spl_id	Au_ppm	Ag_ppm	Cu_ppm	Pb_ppm	Zn_ppm	Lab Batch
SMRV	V19	SWD002	48	49	434001	<0.01	1	16	345	821	20080502
SMRV	V19	SWD002	49	50	434002	<0.01	1	11	511	1165	20080502
SMRV	V19	SWD002	50	51	434003	0.01	1	7	411	1265	20080502
SMRV	V19	SWD002	51	52	434004	<0.01	<1	5	150	1260	20080502
SMRV	V19	SWD002	79.7	82	434059	<0.01	1	15	978	1108	20080502
SMRV	V19	SWD002	82	84	434060	<0.01	1	8	247	674	20080502
SMRV	V19	SWD002	84	86	434061	<0.01	2	8	2785	886	20080502
SMRV	V19	SWD002	86	88	434062	<0.01	1	82	1049	1805	20080502
SMRV	V19	SWD002	88	90	434063	<0.01	1	5	226	429	20080502
SMRV	V19	SWD002	90	92	434005	<0.01	1	16	668	1066	20080502
SMRV	V19	SWD002	92	94	434006	0.02	1	31	240	682	20080502
SMRV	V19	SWD002	94	96	434007	<0.01	1	18	234	707	20080502
SMRV	V19	SWD002	96	98	434008	<0.01	1	19	269	623	20080502
SMRV	V19	SWD002	98	99	434009	0.01	3	85	2152	745	20080502
SMRV	V19	SWD002	99	100	434010	<0.01	1	25	433	588	20080502
SMRV	V19	SWD002	100	101	434011	0.01	1	18	65	471	20080502
SMRV	V19	SWD002	101	102	434012	<0.01	<1	25	92	464	20080502
SMRV	V19	SWD002	102	103	434013	0.02	3	175	4535	2647	20080502
SMRV	V19	SWD002	103	104	434014	0.01	1	17	691	1017	20080502
SMRV	V19	SWD002	104	105	434015	<0.01	1	40	623	1300	20080502
SMRV	V19	SWD002	105	106	434016	<0.01	1	7	469	619	20080502
SMRV	V19	SWD002	106	108	434017	<0.01	1	7	138	525	20080502
SMRV	V19	SWD002	108	110	434018	<0.01	<1	30	116	819	20080502
SMRV	V19	SWD002	110	112	434019	<0.01	1	34	1552	1939	20080502
SMRV	V19	SWD002	112	114	434020	<0.01	2	33	892	1076	20080502
SMRV	V19	SWD002	114	116	434021	<0.01	1	18	189	567	20080502
SMRV	V19	SWD002	116	118	434022	<0.01	1	13	76	285	20080502
SMRV	V19	SWD002	118	120	434023	0.01	1	10	89	449	20080502
SMRV	V19	SWD002	120	122	434024	0.01	1	13	306	798	20080502
SMRV	V19	SWD002	122	124	434025	<0.01	1	12	140	606	20080502
SMRV	V19	SWD002	124	125	434026	<0.01	1	10	155	720	20080502
SMRV	V19	SWD002	125	126	434027	0.01	2	25	549	683	20080502
SMRV	V19	SWD002	126	127	434028	<0.01	2	47	1575	1375	20080502
SMRV	V19	SWD002	127	128	434029	<0.01	1	32	607	984	20080502
SMRV	V19	SWD002	128	130	434030	<0.01	1	56	657	2040	20080502
SMRV	V19	SWD002	130	132	434031	<0.01	1	37	250	1463	20080502
SMRV	V19	SWD002	132	134	434032	<0.01	1	28	203	559	20080502
SMRV	V19	SWD002	134	136	434033	0.03	3	212	2277	6381	20080502
SMRV	V19	SWD002	136	138	434034	0.02	3	156	4670	5333	20080502
SMRV	V19	SWD002	138	140	434035	0.01	2	129	1621	3181	20080502
SMRV	V19	SWD002	140	142	434036	0.01	1	17	1214	1308	20080502
SMRV	V19	SWD002	142	144	434037	<0.01	1	8	1105	854	20080502
SMRV	V19	SWD002	144	146	434038	<0.01	1	30	699	844	20080502
SMRV	V19	SWD002	146	148	434039	<0.01	2	34	400	818	20080502
SMRV	V19	SWD002	148	150	434040	<0.01	1	14	521	639	20080502
SMRV	V19	SWD002	150	152	434041	<0.01	1	10	509	968	20080502
SMRV	V19	SWD002	152	154	434042	0.02	3	83	1668	5193	20080502
SMRV	V19	SWD002	154	156	434043	0.01	2	23	1376	1166	20080502
SMRV	V19	SWD002	156	158	434044	<0.01	1	9	293	653	20080502
SMRV	V19	SWD002	158	160	434045	<0.01	1	7	581	707	20080502
SMRV	V19	SWD002	160	162	434046	<0.01	1	15	768	1161	20080502
SMRV	V19	SWD002	162	164	434047	<0.01	2	9	268	538	20080502
SMRV	V19	SWD002	164	166	434048	<0.01	1	8	74	504	20080502
SMRV	V19	SWD002	166	168	434049	0.01	6	24	4988	2429	20080502
SMRV	V19	SWD002	168	170	434050	<0.01	2	16	728	1095	20080502
SMRV	V19	SWD002	170	171	434051	0.01	2	31	1487	2150	20080502
SMRV	V19	SWD002	171	172	434052	0.01	2	22	1002	2045	20080502
SMRV	V19	SWD002	172	173	434053	0.01	2	41	2661	2201	20080502
SMRV	V19	SWD002	173	174	434054	0.02	2	39	1763	2126	20080502
SMRV	V19	SWD002	174	175	434055	0.02	3	29	2149	1998	20080502
SMRV	V19	SWD002	175	176	434056	0.08	8	222	6399	4560	20080502
SMRV	V19	SWD002	176	177	434057	0.01	2	28	1136	1101	20080502
SMRV	V19	SWD002	177	178	434058	<0.01	1	6	279	622	20080502