Ann Altstatt AURA field 2001 data

SITE	FORMATION	FM	FM2	LITHOLOGY	LITH	K	LOGK	NOTES
S-1	Tyonek	Tkt	S4	shale	SH	0.59	-0.229147988	
S-1	Tyonek	Tkt	S4	shale	SH	0.44	-0.356547324	
S-1	Tyonek	Tkt	S4	shale	SH	0.59	-0.229147988	
S-1	Tyonek	Tkt	S4	shale	SH	0.46	-0.337242168	
S-1	Tyonek	Tkt	S4	shale	SH	0.41	-0.387216143	
S-1	Tyonek	Tkt	S4	shale	SH	0.44	-0.356547324	
S-1	Tyonek	Tkt	S4	conglomerate	CG	0.43	-0.366531544	coarse
S-1	Tyonek	Tkt	S4	conglomerate	CG	0.23	-0.638272164	coarse
S-1	Tyonek	Tkt	S4	conglomerate	CG	0.12	-0.920818754	coarse
S-1	Tyonek	Tkt	S4	conglomerate	CG	0.22	-0.657577319	coarse
S-1	Tyonek	Tkt	S4	conglomerate	CG	0.51	-0.292429824	coarse
S-1	Tyonek	Tkt	S4	conglomerate	CG	0.34	-0.468521083	coarse
S-1	Tyonek	Tkt	S4	conglomerate	CG	0.28	-0.552841969	coarse
S-1	Tyonek	Tkt	S4	conglomerate	CG	0.3	-0.522878745	coarse
S-1	Tyonek	Tkt	S4	mudstone	MS	0.36	-0.443697499	green
S-1	Tyonek	Tkt	S4	mudstone	MS	0.5	-0.301029996	green
S-1	Tyonek	Tkt	S4	mudstone	MS	0.43	-0.366531544	green
S-1	Tyonek	Tkt	S4	mudstone	MS	0.35	-0.455931956	green
S-1	Tyonek	Tkt	S4	mudstone	MS	0.48	-0.318758763	green
S-1	Tyonek	Tkt	S4	mudstone	MS	0.38	-0.420216403	green
S-1	Tyonek	Tkt	S4	mudstone	MS	0.48	-0.318758763	green
S-1	Tyonek	Tkt	S4	mudstone	MS	0.38	-0.420216403	green
S-1	Tyonek	Tkt	S4	mudstone	MS	0.41	-0.387216143	green
S-1	Tyonek	Tkt	S4	mudstone	MS	0.48	-0.318758763	green
S-1	Tyonek	Tkt	S4	mudstone	MS	0.38	-0.420216403	green
S-1	Tyonek	Tkt	S4	mudstone	MS	0.48	-0.318758763	green
S-1	Tyonek	Tkt	S4	conglomerate	CG	0.23	-0.638272164	finer grain
S-1	Tyonek	Tkt	S4	conglomerate	CG	0.23	-0.638272164	finer grain
S-1	Tyonek	Tkt	S4	conglomerate	CG	0.25	-0.602059991	finer grain
S-1	Tyonek	Tkt	S4	conglomerate	CG	0.24	-0.619788758	finer grain
S-1	Tyonek	Tkt	S4	conglomerate	CG	0.25	-0.602059991	finer grain
S-1	Tyonek	Tkt	S4	conglomerate	CG	0.27	-0.568636236	finer grain
S-1	Tyonek	Tkt	S4	conglomerate	CG	0.24	-0.619788758	finer grain
S-1	Tyonek	Tkt	S4	conglomerate	CG	0.26	-0.585026652	finer grain
S-1	Tyonek	Tkt	S4	conglomerate	CG	0.28	-0.552841969	finer grain
S-1	Tyonek	Tkt	S4	mudstone	MS	0.48	-0.318758763	purple
S-1	Tyonek	Tkt	S4	mudstone	MS	0.54	-0.26760624	purple
S-1	Tyonek	Tkt	S4	mudstone	MS	0.55	-0.259637311	purple
S-1	Tyonek	Tkt	S4	mudstone	MS	0.49	-0.30980392	purple
S-1	Tyonek	Tkt	S4	mudstone	MS	0.4	-0.397940009	purple
S-1	Tyonek	Tkt	S4	mudstone	MS	0.32	-0.494850022	purple
S-1	Tyonek	Tkt	S4	mudstone	MS	0.4	-0.397940009	purple
S-1	Tyonek	Tkt	S4	mudstone	MS	0.44	-0.356547324	purple
S-1	Tyonek	Tkt	S4	mudstone	MS	0.4	-0.397940009	purple
S-1	Tyonek	Tkt	S4	mudstone	MS	0.35	-0.455931956	purple
S-1	Tyonek	Tkt	S4	mudstone	MS	0.54	-0.26760624	purple
S-2	Jr meta	JPzm	M5	greenschist	GS	0.08	-1.096910013	orange/black
S-2	Jr meta	JPzm	M5	greenschist	GS	0.06	-1.22184875	orange/black
S-2	Jr meta	JPzm	M5	greenschist	GS	0.05	-1.301029996	orange/black
S-2	Jr meta	JPzm	M5	greenschist	GS	0.06	-1.22184875	orange/black
S-2	Jr meta	JPzm	M5	greenschist	GS	0.06	-1.22184875	orange/black
S-2	Jr meta	JPzm	M5	greenschist	GS	0.09	-1.045757491	orange/black
S-2	Jr meta	JPzm	M5	greenschist	GS	0.08	-1.096910013	orange/black
S-2	Jr meta	JPzm	M5	greenschist	GS	0.11	-0.958607315	orange/black
S-2	Jr meta	JPzm	M5	greenschist	GS	0.49	-0.30980392	black/green
S-2	Jr meta	JPzm	M5	greenschist	GS	0.43	-0.366531544	black/green
S-2	Jr meta	JPzm	M5	greenschist	GS	0.5	-0.301029996	black/green
S-2	Jr meta	JPzm	M5	greenschist	GS	0.42	-0.37675071	black/green
S-2	Jr meta	JPzm	M5	greenschist	GS	0.44	-0.356547324	black/green

S-2	Jr meta	JPzm	M5	greenschist	GS	0.4	-0.397940009	black/green
S-2	Jr meta	JPzm	M5	greenschist	GS	0.35	-0.455931956	black/green
S-2	Jr meta	JPzm	M5	greenschist	GS	0.34	-0.468521083	black/green
S-2	Jr meta	JPzm	M5	greenschist	GS	0.53	-0.27572413	black/green
S-2	Jr meta	JPzm	M5	greenschist	GS	0.35	-0.455931956	black/green
S-2	Jr meta	JPzm	M5	greenschist	GS	0.23	-0.638272164	black/green
S-2	Jr meta	JPzm	M5	greenschist	GS	0.25	-0.602059991	black/green
S-2	Jr meta	JPzm	M5	greenschist	GS	0.45	-0.346787486	black/green
S-2	Jr meta	JPzm	M5	greenschist	GS	0.38	-0.420216403	black/green
S-2	Jr meta	JPzm	M5	greenschist	GS	0.32	-0.494850022	black/green
S-2	Jr meta	JPzm	M5	greenschist	GS	0.36	-0.443697499	black/green
S-2	Jr meta	JPzm	M5	greenschist	GS	0.31	-0.508638306	black/green
S-2	Jr meta	JPzm	M5	greenschist	GS	0.49	-0.30980392	black/green
S-2	Jr meta	JPzm	M5	greenschist	GS	0.34	-0.468521083	black/green
S-2	Jr meta	JPzm	M5	greenschist	GS	0.52	-0.283996656	black/green
S-2	Jr meta	JPzm	M5	greenschist	GS	0.36	-0.443697499	black/green
S-2	Jr meta	JPzm	M5	greenschist	GS	0.54	-0.26760624	black/green
S-3	Jr meta	JPzm	M5	greenschist	GS	0.3	-0.522878745	
S-3	Jr meta	JPzm	M5	greenschist	GS	0.31	-0.508638306	
S-3	Jr meta	JPzm	M5	greenschist	GS	0.44	-0.356547324	
S-3	Jr meta	JPzm	M5	greenschist	GS	0.25	-0.602059991	
S-3	Jr meta	JPzm	M5	greenschist	GS	0.42	-0.37675071	
S-3	Jr meta	JPzm	M5	greenschist	GS	0.45	-0.346787486	
S-3	Jr meta	JPzm	M5	greenschist	GS	0.53	-0.27572413	
S-3	Jr meta	JPzm	M5	greenschist	GS	0.45	-0.346787486	
S-3	Jr meta	JPzm	M5	greenschist	GS	0.38	-0.420216403	
S-3	Jr meta	JPzm	M5	greenschist	GS	0.3	-0.522878745	
S-3	Jr meta	JPzm	M5	greenschist	GS	0.36	-0.443697499	
S-3	Jr meta	JPzm	M5	greenschist	GS	0.45	-0.346787486	
S-3	Jr meta	JPzm	M5	marble	MB	0.01	-2	
S-3	Jr meta	JPzm	M5	marble	MB	0.001	-3	
S-3	McHugh	KTrm	M3	meta melange	ME	0.46	-0.337242168	
S-3	McHugh	KTrm	M3	meta melange	ME	0.38	-0.420216403	
S-3	McHugh	KTrm	M3	meta melange	ME	0.56	-0.251811973	
S-3	McHugh	KTrm	M3	meta melange	ME	0.28	-0.552841969	
S-3	McHugh	KTrm	M3	meta melange	ME	0.19	-0.721246399	
S-3	McHugh	KTrm	M3	meta melange	ME	0.09	-1.045757491	
S-3	McHugh	KTrm	M3	meta melange	ME	0.05	-1.301029996	
S-3	McHugh	KTrm	M3	meta melange	ME	0.62	-0.207608311	
S-3	McHugh	KTrm	M3	meta melange	ME	0.56	-0.251811973	
S-3	McHugh	KTrm	M3	meta melange	ME	0.6	-0.22184875	
S-3	McHugh	KTrm	M3	meta melange	ME	0.48	-0.318758763	
S-3	McHugh	KTrm	M3	meta melange	ME	0.56	-0.251811973	
S-3	McHugh	KTrm	M3	meta melange	ME	0.57	-0.244125144	
TA-1	McHugh	KTrm	M3	quartzite	QZ	0.28	-0.552841969	
TA-1	McHugh	KTrm	M3	quartzite	QZ	0.21	-0.677780705	
TA-1	McHugh	KTrm	M3	quartzite	QZ	0.08	-1.096910013	
TA-1	McHugh	KTrm	M3	quartzite	QZ	0.26	-0.585026652	
TA-1	McHugh	KTrm	M3	quartzite	QZ	0.26	-0.585026652	
TA-1	McHugh	KTrm	M3	quartzite	QZ	0.37	-0.431798276	
TA-1	McHugh	KTrm	M3	quartzite	QZ	0.16	-0.795880017	
TA-1	McHugh	KTrm	M3	quartzite	QZ	0.19	-0.721246399	
TA-1	McHugh	KTrm	M3	quartzite	QZ	0.21	-0.677780705	
TA-1	McHugh	KTrm	M3	quartzite	QZ	0.25	-0.602059991	
TA-1	McHugh	KTrm	M3	quartzite	QZ	0.23	-0.638272164	
TA-1	McHugh	KTrm	M3	quartzite	QZ	0.13	-0.886056648	
TA-1	McHugh	KTrm	M3	quartzite	QZ	0.15	-0.823908741	
TA-1	McHugh	KTrm	M3	quartzite (boulder)	QZ	0.19	-0.721246399	
TA-1	McHugh	KTrm	M3	quartzite (boulder)	QZ	0.18	-0.744727495	
TA-1	McHugh	KTrm	M3	quartzite (boulder)	QZ	0.23	-0.638272164	
TA-1	McHugh	KTrm	M3	quartzite (boulder)	QZ	0.21	-0.677780705	
TA-1	McHugh	KTrm	M3	quartzite (boulder)	QZ	0.22	-0.657577319	

TA-1	McHugh	KTrm	M3	quartzite (boulder)	QZ	0.27	-0.568636236	
TA-1	McHugh	KTrm	M3	quartzite (boulder)	QZ	0.15	-0.823908741	
TA-1	McHugh	KTrm	M3	quartzite (boulder)	QZ	0.24	-0.619788758	
TA-1	McHugh	KTrm	M3	meta turbidite	ME	0.57	-0.244125144	meta turbidite
TA-1	McHugh	KTrm	M3	meta turbidite	ME	0.3	-0.522878745	
TA-1	McHugh	KTrm	M3	meta turbidite	ME	0.1	-1	
TA-1	McHugh	KTrm	M3	meta turbidite	ME	0.26	-0.585026652	
TA-2	Valdez	Kvs	M1	turbidites	TB	0.13	-0.886056648	
TA-2	Valdez	Kvs	M1	turbidites	TB	0.17	-0.769551079	
TA-2	Valdez	Kvs	M1	turbidites	TB	0.2	-0.698970004	
TA-2	Valdez	Kvs	M1	turbidites	TB	0.19	-0.721246399	
TA-2	Valdez	Kvs	M1	turbidites	TB	0.21	-0.677780705	
TA-2	Valdez	Kvs	M1	turbidites	TB	0.23	-0.638272164	
TA-2	Valdez	Kvs	M1	turbidites	TB	0.23	-0.638272164	
TA-2	Valdez	Kvs	M1	turbidites	TB	0.34	-0.468521083	
TA-2	Valdez	Kvs	M1	turbidites	TB	0.27	-0.568636236	
TA-2	Valdez	Kvs	M1	turbidites	TB	0.31	-0.508638306	
TA-2	Valdez	Kvs	M1	turbidites	TB	0.15	-0.823908741	
TA-2	Valdez	Kvs	M1	turbidites	TB	0.21	-0.677780705	
TA-2	Valdez	Kvs	M1	turbidites	TB	0.25	-0.602059991	
TA-2	Valdez	Kvs	M1	turbidites	TB	0.05	-1.301029996	
TA-2	Valdez	Kvs	M1	turbidites	TB	0.33	-0.48148606	
TA-2	Valdez	Kvs	M1	turbidites	TB	0.29	-0.537602002	
TA-2	Valdez	Kvs	M1	turbidites	TB	0.23	-0.638272164	
TA-2	Valdez	Kvs	M1	turbidites	TB	0.37	-0.431798276	
LSR	Granite	TKg	IF1	granite	GR	11.9	1.075546961	very coarse grain
LSR	Granite	TKg	IF1	granite	GR	6.09	0.784617293	very coarse grain
LSR	Granite	TKg	IF1	granite	GR	5.73	0.758154622	very coarse grain
LSR	Granite	TKg	IF1	granite	GR	4.58	0.660865478	very coarse grain
LSR	Granite	TKg	IF1	granite	GR	4.77	0.678518379	very coarse grain
LSR	Granite	TKg	IF1	granite	GR	6.44	0.808885867	very coarse grain
LSR	Granite	TKg	IF1	granite	GR	6.99	0.844477176	very coarse grain
LSR	Granite	TKg	IF1	granite	GR	9.22	0.964730921	very coarse grain
LSR	Granite	TKg	IF1	granite	GR	6.01	0.778874472	very coarse grain
LSR	Granite	TKg	IF1	granite	GR	8.3	0.919078092	very coarse grain
LSR	Granite	TKg	IF1	granite	GR	5.94	0.773786445	very coarse grain
LSR	Granite	TKg	IF1	granite	GR	6.29	0.798650645	very coarse grain
LSR	Granite	TKg	IF1	granite	GR	10.1	1.004321374	very coarse grain
LSR	Granite	TKg	IF1	granite	GR	8.12	0.909556029	very coarse grain
LSR	Granite	TKg	IF1	granite	GR	9.49	0.977266212	very coarse grain
LSR	Granite	TKg	IF1	granite	GR	6.57	0.81756537	very coarse grain
LSR	Granite	TKg	IF1	granite	GR	8.05	0.90579588	very coarse grain
LSR	Granite	TKg	IF1	granite	GR	7.01	0.845718018	very coarse grain
LSR	Granite	TKg	IF1	granite	GR	10.9	1.037426498	very coarse grain
LSR	Granite	TKg	IF1	granite	GR	5.26	0.720985744	very coarse grain
LSR	Granite	TKg	IF1	granite	GR	3.27	0.514547753	very coarse grain
LSR	Granite	TKg	IF1	granite	GR	8.76	0.942504106	very coarse grain
LSR	Granite	TKg	IF1	granite	GR	8.16	0.911690159	very coarse grain
LSR	Granite	TKg	IF1	granite	GR	9.95	0.997823081	very coarse grain
LSR	Granite	TKg	IF1	granite	GR	10.6	1.025305865	medium grain
LSR	Granite	TKg	IF1	granite	GR	10.1	1.004321374	medium grain
LSR	Granite	TKg	IF1	granite	GR	8.25	0.916453949	medium grain
LSR	Granite	TKg	IF1	granite	GR	16.6	1.220108088	medium grain
LSR	Granite	TKg	IF1	granite	GR	40.9	1.611723308	medium grain
LSR	Granite	TKg	IF1	granite	GR	31	1.491361694	medium grain
LSR	Granite	TKg	IF1	granite	GR	12	1.079181246	medium grain
LSR	Granite	TKg	IF1	granite	GR	14.5	1.161368002	medium grain
LSR	Granite	TKg	IF1	granite	GR	12.3	1.089905111	medium grain
LSR	Granite	TKg	IF1	granite	GR	8.91	0.949877704	medium grain
LSR	Granite	TKg	IF1	granite	GR	7.66	0.88422877	medium grain
LSR	Granite	TKg	IF1	granite	GR	4.42	0.645422269	medium grain
LSR	Granite	TKg	IF1	granite	GR	0.66	-0.180456064	fine grain

LSR	Granite	TKg	IF1	granite	GR	0.89	-0.050609993	fine grain
LSR	Granite	TKg	IF1	granite	GR	1.98	0.29666519	fine grain
LSR	Arkose Ridge	Tar	SA	conglomerate	CG	1.07	0.029383778	
LSR	Arkose Ridge	Tar	SA	conglomerate	CG	0.95	-0.022276395	
LSR	Arkose Ridge	Tar	SA	conglomerate	CG	1.66	0.220108088	
LSR	Arkose Ridge	Tar	SA	conglomerate	CG	0.25	-0.602059991	
LSR	Arkose Ridge	Tar	SA	conglomerate	CG	0.35	-0.455931956	
LSR	Arkose Ridge	Tar	SA	conglomerate	CG	0.38	-0.420216403	
LSR	Arkose Ridge	Tar	SA	conglomerate	CG	2.11	0.324282455	
LSR	Arkose Ridge	Tar	SA	conglomerate	CG	1.99	0.298853076	
LSR	Arkose Ridge	Tar	SA	conglomerate	CG	0.34	-0.468521083	
LSR	Arkose Ridge	Tar	SA	conglomerate	CG	3.58	0.553883027	
LSR	Arkose Ridge	Tar	SA	conglomerate	CG	4.39	0.64246452	
LSR	Arkose Ridge	Tar	SA	conglomerate	CG	3.09	0.489958479	
LSR	Arkose Ridge	Tar	SA	conglomerate	CG	4.94	0.693726949	
LSR	Amphibolite	Mzsa	M4	amphibolite (base	AM	34.3	1.53529412	
LSR	Amphibolite	Mzsa	M4	amphibolite (base	AM	6.23	0.794488047	
LSR	Amphibolite	Mzsa	M4	amphibolite (base	AM	55	1.740362689	
LSR	Amphibolite	Mzsa	M4	amphibolite (base	AM	83.4	1.921166051	
LSR	Amphibolite	Mzsa	M4	amphibolite (base	AM	71.9	1.85672889	
LSR	Jr meta	JPzm	M5	gniess	GN	0.38	-0.420216403	
LSR	Jr meta	JPzm	M5	gniess	GN	0.27	-0.568636236	
LSR	Jr meta	JPzm	M5	gniess	GN	0.23	-0.638272164	
LSR	Jr meta	JPzm	M5	gniess	GN	0.21	-0.677780705	
LSR	Wishbone	Tw	S8	conglomerate?	CG	0.24	-0.619788758	?
LSR	Wishbone	Tw	S8	conglomerate?	CG	0.31	-0.508638306	
LSR	Wishbone	Tw	S8	conglomerate?	CG	0.38	-0.420216403	
LSR	Wishbone	Tw	S8	conglomerate?	CG	0.33	-0.48148606	
LSR	Wishbone	Tw	S8	conglomerate?	CG	0.32	-0.494850022	
LSR	Wishbone	Tw	S8	conglomerate?	CG	0.3	-0.522878745	
LSR	Wishbone	Tw	S8	conglomerate?	CG	0.24	-0.619788758	
LSR	Wishbone	Tw	S8	conglomerate?	CG	0.21	-0.677780705	
LSR	Wishbone	Tw	S8	conglomerate?	CG	0.29	-0.537602002	
LSR	Wishbone	Tw	S8	conglomerate?	CG	0.25	-0.602059991	
LSR	Wishbone	Tw	S8	conglomerate?	CG	0.17	-0.769551079	
LSR	Wishbone	Tw	S8	conglomerate?	CG	0.27	-0.568636236	
GC	Granite	TKg	IF1	granite	GR	6.29	0.798650645	very coarse grain
GC	Granite	TKg	IF1	granite	GR	4.33	0.636487896	very coarse grain
GC	Granite	TKg	IF1	granite	GR	8.14	0.910624405	very coarse grain
GC	Granite	TKg	IF1	granite	GR	2.58	0.411619706	very coarse grain
GC	Granite	TKg	IF1	granite	GR	2.46	0.390935107	very coarse grain
GC	Granite	TKg	IF1	granite	GR	2.68	0.428134794	very coarse grain
GC	Granite	TKg	IF1	granite	GR	21	1.322219295	med grained
GC	Granite	TKg	IF1	granite	GR	23	1.361727836	med grained
GC	Granite	TKg	IF1	granite	GR	19.6	1.292256071	med grained
GC	Granite	TKg	IF1	granite	GR	1.03	0.012837225	med grain granitic w/red stain
GC	Granite	TKg	IF1	granite	GR	1.23	0.089905111	med grain granitic w/red stain
GC	Granite	TKg	IF1	granite	GR	1.68	0.225309282	med grain granitic w/red stain
GC	Granite	TKg	IF1	granite	GR	0.38	-0.420216403	med grain granitic w/red stain
GC	Granite	TKg	IF1	granite	GR	0.33	-0.48148606	med grain granitic w/red stain
GC	Granite	TKg	IF1	granite	GR	0.55	-0.259637311	med grain granitic w/red stain
GC	Granite	TKg	IF1	granite	GR	5.94	0.773786445	med grain granitic w/red stain
GC	Granite	TKg	IF1	granite	GR	3.56	0.551449998	med grain granitic w/red stain
GC	Granite	TKg	IF1	granite	GR	3.32	0.521138084	med grain granitic w/red stain
GC	Granite	TKg	IF1	granite	GR	4.5	0.653212514	med grain granitic w/red stain
GC	Granite	TKg	IF1	granite	GR	2	0.301029996	med grain granitic w/red stain
GC	Granite	TKg	IF1	granite	GR	2.62	0.418301291	med grain granitic w/red stain
GC	Granite	TKg	IF1	granite	GR	6.71	0.82672252	med grain granitic w/red stain
GC	Granite	TKg	IF1	granite	GR	1.77	0.247973266	med grain granitic w/red stain
GC	Granite	TKg	IF1	granite	GR	10	1	med grain granitic w/red stain
GC	Granite	TKg	IF1	granite	GR	0.59	-0.229147988	med grain granitic w/red stain
GC	Granite	TKg	IF1	granite	GR	0.2	-0.698970004	med grain granitic w/red stain

GC	Granite	TKg	IF1	granite	GR	0.25	-0.602059991	med grain granitic w/red stain
GC	Granite	TKg	IF1	granite	GR	0.08	-1.096910013	med grain granitic w/red stain
GC	Granite	TKg	IF1	granite	GR	0.01	-2	med grain granitic w/red stain
GC	Granite	TKg	IF1	granite	GR	0.08	-1.096910013	med grain granitic w/red stain
GC	Arkose Ridge	Tar	SA	Arkose Ridge Fm	SS	0.64	-0.193820026	
GC	Arkose Ridge	Tar	SA	Arkose Ridge Fm	SS	0.86	-0.065501549	
GC	Arkose Ridge	Tar	SA	Arkose Ridge Fm	SS	0.27	-0.568636236	
GC	Arkose Ridge	Tar	SA	Arkose Ridge Fm	SS	0.35	-0.455931956	
GC	Arkose Ridge	Tar	SA	Arkose Ridge Fm	SS	0.56	-0.251811973	
GC	Arkose Ridge	Tar	SA	Arkose Ridge Fm	SS	0.64	-0.193820026	
GC	Arkose Ridge	Tar	SA	Arkose Ridge Fm	SS	0.97	-0.013228266	
GC	Arkose Ridge	Tar	SA	Arkose Ridge Fm	SS	0.53	-0.27572413	
GC	Arkose Ridge	Tar	SA	Arkose Ridge Fm	SS	0.39	-0.408935393	
GC	Arkose Ridge	Tar	SA	Arkose Ridge Fm	SS	0.5	-0.301029996	
GC	Arkose Ridge	Tar	SA	Arkose Ridge Fm	SS	0.25	-0.602059991	
GC	Arkose Ridge	Tar	SA	Arkose Ridge Fm	SS	0.37	-0.431798276	
GC	Arkose Ridge	Tar	SA	Arkose Ridge Fm	SS	0.44	-0.356547324	
GC	Volcs felsic	Tv	SA	felsic volcaninc	VF	0.14	-0.853871964	
GC	Volcs felsic	Tv	SA	felsic volcaninc	VF	0.12	-0.920818754	
GC	Volcs felsic	Tv	SA	felsic volcaninc	VF	0.18	-0.744727495	
GC	Jr meta	JPzm	M5	greenschist	GS	13.2	1.120573931	dark metamorphic w/lt viens
GC	Jr meta	JPzm	M5	greenschist	GS	17	1.230448921	dark metamorphic w/lt viens
GC	Jr meta	JPzm	M5	greenschist	GS	18.6	1.269512944	dark metamorphic w/lt viens
GC	Jr meta	JPzm	M5	gniess	GN	3.79	0.57863921	
GC	Jr meta	JPzm	M5	gniess	GN	4.42	0.645422269	
GC	Jr meta	JPzm	M5	gniess	GN	3.74	0.572871602	
GC	Jr meta	JPzm	M5	gniess	GN	3.39	0.530199698	
GC	Jr meta	JPzm	M5	gniess	GN	5	0.698970004	
GC	Jr meta	JPzm	M5	gniess	GN	2.49	0.396199347	
GC	Jr meta	JPzm	M5	gniess	GN	2.44	0.387389826	
GC	Jr meta	JPzm	M5	gniess	GN	2.4	0.380211242	
GC	Jr meta	JPzm	M5	gniess	GN	3.62	0.558708571	granitic gneiss
GC	Jr meta	JPzm	M5	gniess	GN	9.79	0.990782692	granitic gneiss
GC	Jr meta	JPzm	M5	gniess	GN	10.4	1.017033339	granitic gneiss
GC	Jr meta	JPzm	M5	gniess	GN	9.12	0.959994838	granitic gneiss
GC	Jr meta	JPzm	M5	meta greywakce	MGW	1.94	0.28780173	coarse grain
GC	Jr meta	JPzm	M5	meta greywakce	MGW	1.5	0.176091259	coarse grain
GC	Jr meta	JPzm	M5	meta greywakce	MGW	1.57	0.195899652	coarse grain
GC	Jr meta	JPzm	M5	meta greywakce	MGW	1.9	0.278753601	coarse grain
GC	Jr meta	JPzm	M5	meta greywakce	MGW	1.17	0.068185862	coarse grain
GC	Jr meta	JPzm	M5	meta greywakce	MGW	1.37	0.136720567	coarse grain
GC	Volcs dark	Jmu	IM2	dark volcanic	VD	46	1.662757832	fine grain
GC	Volcs dark	Jmu	IM2	dark volcanic	VD	49.4	1.693726949	
GC	Volcs dark	Jmu	IM2	dark volcanic	VD	36.8	1.565847819	
GC	Volcs dark	Jmu	IM2	diorite	DR	11.8	1.071882007	
GC	Volcs dark	Jmu	IM2	diorite	DR	12.8	1.10720997	
GC	Volcs dark	Jmu	IM2	diorite	DR	10.6	1.025305865	
GC	Volcs dark	Jmu	IM2	diorite	DR	13	1.113943352	
GC	Matanuska	Km	SB	shale	SH	0.18	-0.744727495	
GC	Matanuska	Km	SB	shale	SH	0.67	-0.173925197	
GC	Matanuska	Km	SB	shale	SH	0.59	-0.229147988	
GC	Matanuska	Km	SB	shale	SH	0.4	-0.397940009	
GC	Matanuska	Km	SB	shale	SH	0.26	-0.585026652	
GC	Matanuska	Km	SB	shale	SH	0.27	-0.568636236	
MC	Granite	TKg	IF1	granite	GR	2.75	0.439332694	med grain
MC	Granite	TKg	IF1	granite	GR	3.13	0.495544338	med grain
MC	Granite	TKg	IF1	granite	GR	2.98	0.474216264	med grain
MC	Granite	TKg	IF1	granite	GR	8.23	0.915399835	med grain
MC	Granite	TKg	IF1	granite	GR	4.25	0.62838893	med grain
MC	Granite	TKg	IF1	granite	GR	1.79	0.252853031	med grain
MC	Granite	TKgd	IF2	granodiorite	GRD	33.5	1.525044807	med grain
MC	Granite	TKgd	IF2	granodiorite	GRD	23.5	1.371067862	med grain

MC	Granite	TKgd	IF2	granodiorite	GRD	25.5	1.40654018	med grain
MC	Granite	TKgd	IF2	granodiorite	GRD	45.9	1.661812686	med grain
MC	Granite	TKgd	IF2	granodiorite	GRD	37.9	1.57863921	med grain
MC	Granite	TKgd	IF2	granodiorite	GRD	39.9	1.600972896	med grain
MC	Chickaloon	Tc	S9	mudstone?	MS	0.15	-0.823908741	
MC	Chickaloon	Tc	S9	mudstone?	MS	0.15	-0.823908741	
MC	Chickaloon	Tc	S9	mudstone?	MS	0.23	-0.638272164	
MC	Chickaloon	Tc	S9	mudstone?	MS	0.3	-0.522878745	
MC	Chickaloon	Tc	S9	mudstone?	MS	0.23	-0.638272164	
MC	Chickaloon	Tc	S9	mudstone?	MS	0.36	-0.443697499	
MNC-1	Beluga	Tkb	S3	lignite	C	0.02	-1.698970004	
MNC-1	Beluga	Tkb	S3		C	0.01	-2	
MNC-1	Beluga	Tkb	S3		C	0.01	-2	
MNC-1	Beluga	Tkb	S3		C	0.01	-2	
MNC-1	Beluga	Tkb	S3		C	0.03	-1.522878745	
MNC-1	Beluga	Tkb	S3		C	0.01	-2	
MNC-1	Beluga	Tkb	S3		C	0.01	-2	
MNC-1	Beluga	Tkb	S3		C	0.01	-2	
MNC-1	Beluga	Tkb	S3		C	0.02	-1.698970004	
MNC-1	Beluga	Tkb	S3		C	0.03	-1.522878745	
MNC-1	Beluga	Tkb	S3		C	0.02	-1.698970004	
MNC-1	Beluga	Tkb	S3	shale	SH	0.14	-0.853871964	
MNC-1	Beluga	Tkb	S3		SH	0.08	-1.096910013	
MNC-1	Beluga	Tkb	S3		SH	0.16	-0.795880017	
MNC-1	Beluga	Tkb	S3		SH	0.09	-1.045757491	
MNC-1	Beluga	Tkb	S3		SH	0.15	-0.823908741	
MNC-1	Beluga	Tkb	S3		SH	0.14	-0.853871964	
MNC-1	Beluga	Tkb	S3		SH	0.11	-0.958607315	
MNC-2	Beluga	Tkb	S3	upper shale	SH	0.06	-1.22184875	
MNC-2	Beluga	Tkb	S3		SH	0.13	-0.886056648	
MNC-2	Beluga	Tkb	S3		SH	0.13	-0.886056648	
MNC-2	Beluga	Tkb	S3		SH	0.08	-1.096910013	
MNC-2	Beluga	Tkb	S3		SH	0.14	-0.853871964	
MNC-2	Beluga	Tkb	S3		SH	0.17	-0.769551079	
MNC-2	Beluga	Tkb	S3	sandstone	SS	0.24	-0.619788758	
MNC-2	Beluga	Tkb	S3		SS	0.22	-0.657577319	
MNC-2	Beluga	Tkb	S3		SS	0.24	-0.619788758	
MNC-2	Beluga	Tkb	S3		SS	0.21	-0.677780705	
MNC-2	Beluga	Tkb	S3		SS	0.2	-0.698970004	
MNC-2	Beluga	Tkb	S3		SS	0.21	-0.677780705	
MNC-2	Beluga	Tkb	S3	lower shale	SH	0.14	-0.853871964	
MNC-2	Beluga	Tkb	S3		SH	0.13	-0.886056648	
MNC-2	Beluga	Tkb	S3		SH	0.13	-0.886056648	
MNC-2	Beluga	Tkb	S3		SH	0.15	-0.823908741	
MNC-2	Beluga	Tkb	S3		SH	0.13	-0.886056648	
MNC-4	Beluga	Tkb	S3	large ss boulder	SS	0.17	-0.769551079	
MNC-4	Beluga	Tkb	S3		SS	0.18	-0.744727495	
MNC-4	Beluga	Tkb	S3	(sand stone lense	SS	0.16	-0.795880017	
MNC-4	Beluga	Tkb	S3	wothin beluga fm)	SS	0.15	-0.823908741	
MNC-4	Beluga	Tkb	S3		SS	0.14	-0.853871964	
MNC-4	Beluga	Tkb	S3		SS	0.15	-0.823908741	
MNC-4	Beluga	Tkb	S3		SS	0.2	-0.698970004	
MNC-4	Beluga	Tkb	S3		SS	0.25	-0.602059991	
MNC-4	Beluga	Tkb	S3		SS	0.2	-0.698970004	
MNC-4	Beluga	Tkb	S3		SS	0.16	-0.795880017	
MNC-4	Beluga	Tkb	S3	large ss boulder	SS	0.22	-0.657577319	
MNC-4	Beluga	Tkb	S3		SS	0.14	-0.853871964	
MNC-4	Beluga	Tkb	S3		SS	0.16	-0.795880017	
MNC-4	Beluga	Tkb	S3		SS	0.18	-0.744727495	
MNC-4	Beluga	Tkb	S3		SS	0.14	-0.853871964	
MNC-4	Beluga	Tkb	S3		SS	0.13	-0.886056648	
MNC-4	Beluga	Tkb	S3	large ss boulder	SS	0.21	-0.677780705	

MNC-4	Beluga	Tkb	S3		SS	0.2	-0.698970004
MNC-4	Beluga	Tkb	S3		SS	0.25	-0.602059991
MNC-4	Beluga	Tkb	S3		SS	0.17	-0.769551079
MNC-4	Beluga	Tkb	S3		SS	0.17	-0.769551079
MNC-4	Beluga	Tkb	S3		SS	0.18	-0.744727495
MNC-4	Beluga	Tkb	S3		SS	0.21	-0.677780705
MNC-4	Beluga	Tkb	S3		SS	0.15	-0.823908741
MNC-4	Beluga	Tkb	S3		SS	0.16	-0.795880017
MNC-4	Beluga	Tkb	S3		SS	0.19	-0.721246399
MNC-4	Beluga	Tkb	S3	large ss boulder	SS	0.17	-0.769551079
MNC-4	Beluga	Tkb	S3		SS	0.21	-0.677780705
MNC-4	Beluga	Tkb	S3		SS	0.19	-0.721246399
MNC-4	Beluga	Tkb	S3		SS	0.16	-0.795880017
MNC-4	Beluga	Tkb	S3		SS	0.13	-0.886056648
MNC-4	Beluga	Tkb	S3		SS	0.12	-0.920818754
MNC-4	Beluga	Tkb	S3		SS	0.17	-0.769551079
MNC-4	Beluga	Tkb	S3		SS	0.15	-0.823908741
MNC-4	Beluga	Tkb	S3		SS	0.17	-0.769551079
MNC-4	Beluga	Tkb	S3		SS	0.23	-0.638272164
MNC-4	Beluga	Tkb	S3	large ss boulder	SS	0.13	-0.886056648
MNC-4	Beluga	Tkb	S3		SS	0.1	-1
MNC-4	Beluga	Tkb	S3		SS	0.18	-0.744727495
MNC-4	Beluga	Tkb	S3		SS	0.13	-0.886056648
MNC-4	Beluga	Tkb	S3		SS	0.13	-0.886056648
MNC-4	Beluga	Tkb	S3		SS	0.15	-0.823908741
MNC-4	Beluga	Tkb	S3		SS	0.21	-0.677780705
MNC-4	Beluga	Tkb	S3		SS	0.11	-0.958607315
MNC-4	Beluga	Tkb	S3		SS	0.13	-0.886056648
MNC-4	Beluga	Tkb	S3		SS	0.18	-0.744727495
MNC-5	Beluga	Tkb	S3	massive grey grey	GW	0.18	-0.744727495
MNC-5	Beluga	Tkb	S3		GW	0.15	-0.823908741
MNC-5	Beluga	Tkb	S3		GW	0.16	-0.795880017
MNC-5	Beluga	Tkb	S3		GW	0.21	-0.677780705
MNC-5	Beluga	Tkb	S3		GW	0.18	-0.744727495
MNC-5	Beluga	Tkb	S3		GW	0.17	-0.769551079
MNC-5	Beluga	Tkb	S3		GW	0.16	-0.795880017
MNC-5	Beluga	Tkb	S3		GW	0.19	-0.721246399
MNC-5	Beluga	Tkb	S3		GW	0.2	-0.698970004
MNC-5	Beluga	Tkb	S3		GW	0.2	-0.698970004
MNC-5	Beluga	Tkb	S3		GW	0.19	-0.721246399
MNC-5	Beluga	Tkb	S3		GW	0.16	-0.795880017
MNC-5	Beluga	Tkb	S3		GW	0.16	-0.795880017
MNC-6a	Beluga	Tkb	S3	sandstone	SS	0.22	-0.657577319
MNC-6a	Beluga	Tkb	S3	lignite	C	0.05	-1.301029996
MNC-6a	Beluga	Tkb	S3	ss lense	SS	0.22	-0.657577319
MNC-6a	Beluga	Tkb	S3	orange	SS	0.83	-0.080921908
MNC-6a	Beluga	Tkb	S3	sandstone	SS	0.25	-0.602059991
MNC-6a	Beluga	Tkb	S3	lignite	C	0.08	-1.096910013
MNC-6a	Beluga	Tkb	S3	sandstone	SS	0.21	-0.677780705
MNC-6a	Beluga	Tkb	S3	orange	SS	0.4	-0.397940009
MNC-6a	Beluga	Tkb	S3	sandstone	SS	0.22	-0.657577319
MNC-6a	Beluga	Tkb	S3	lignite	C	0.12	-0.920818754
MNC-6a	Beluga	Tkb	S3	sandstone	SS	0.21	-0.677780705
MNC-6a	Beluga	Tkb	S3	orange	SS	0.86	-0.065501549
MNC-6a	Beluga	Tkb	S3	sandstone	SS	0.26	-0.585026652
MNC-6a	Beluga	Tkb	S3	lignite	C	0.11	-0.958607315
MNC-6a	Beluga	Tkb	S3	sandstone	SS	0.17	-0.769551079
MNC-6a	Beluga	Tkb	S3	orange	SS	0.83	-0.080921908
MNC-6a	Beluga	Tkb	S3	sandstone	SS	0.22	-0.657577319
MNC-6a	Beluga	Tkb	S3	lignite	C	0.09	-1.045757491
MNC-6a	Beluga	Tkb	S3	ss lense	SS	0.23	-0.638272164
MNC-6a	Beluga	Tkb	S3	orange	SS	0.68	-0.167491087

MNC-6a	Beluga	Tkb	S3	sandstone	SS	0.19	-0.721246399
MNC-6a	Beluga	Tkb	S3	sandstone	SS	0.22	-0.657577319
MNC-6a	Beluga	Tkb	S3	lignite	C	0.08	-1.096910013
MNC-6a	Beluga	Tkb	S3	orange	SS	0.78	-0.107905397
MNC-6a	Beluga	Tkb	S3	sandstone	SS	0.16	-0.795880017
MNC-6a	Beluga	Tkb	S3	sandstone	SS	0.2	-0.698970004
MNC-6a	Beluga	Tkb	S3	sandstone	SS	0.28	-0.552841969
MNC-6a	Beluga	Tkb	S3	sandstone	SS	0.23	-0.638272164
MNC-6b	Beluga	Tkb	S3	sandstone	SS	0.22	-0.657577319
MNC-6b	Beluga	Tkb	S3	sandstone	SS	0.12	-0.920818754
MNC-6b	Beluga	Tkb	S3	mudstone	MS	0.56	-0.251811973
MNC-6b	Beluga	Tkb	S3	sandstone	SS	0.12	-0.920818754
MNC-6b	Beluga	Tkb	S3	lignite	C	0.09	-1.045757491
MNC-6b	Beluga	Tkb	S3	mudstone	MS	0.47	-0.327902142
MNC-6b	Beluga	Tkb	S3	sandstone	SS	0.19	-0.721246399
MNC-6b	Beluga	Tkb	S3	sandstone	SS	0.13	-0.886056648
MNC-6b	Beluga	Tkb	S3	sandstone	SS	0.11	-0.958607315
MNC-6b	Beluga	Tkb	S3	orange siained ss	SS	0.73	-0.13667714
MNC-6b	Beluga	Tkb	S3	lignite	C	0.06	-1.22184875
MNC-6b	Beluga	Tkb	S3	sandstone	SS	0.18	-0.744727495
MNC-6b	Beluga	Tkb	S3	mudstone	MS	0.52	-0.283996656
MNC-6b	Beluga	Tkb	S3	lignite	C	0.1	-1
MNC-6b	Beluga	Tkb	S3	sandstone	SS	0.15	-0.823908741
MNC-6b	Beluga	Tkb	S3	sandstone	SS	0.14	-0.853871964
MNC-6b	Beluga	Tkb	S3	sandstone	SS	0.14	-0.853871964
MNC-6b	Beluga	Tkb	S3	sandstone	SS	0.19	-0.721246399
MNC-6b	Beluga	Tkb	S3	mudstone	MS	0.52	-0.283996656
MNC-6b	Beluga	Tkb	S3	sandstone	SS	0.25	-0.602059991
MNC-6b	Beluga	Tkb	S3	sandstone	SS	0.19	-0.721246399
MNC-6b	Beluga	Tkb	S3	sandstone	SS	0.22	-0.657577319
MNC-6b	Beluga	Tkb	S3	sandstone	SS	0.13	-0.886056648
MNC-6b	Beluga	Tkb	S3	sandstone	SS	0.15	-0.823908741
MNC-6b	Beluga	Tkb	S3	sandstone	SS	0.17	-0.769551079
MNC-6b	Beluga	Tkb	S3	sandstone	SS	0.13	-0.886056648
MNC-6b	Beluga	Tkb	S3	sandstone	SS	0.14	-0.853871964
MNC-6b	Beluga	Tkb	S3	sandstone	SS	0.15	-0.823908741
MNC-6b	Beluga	Tkb	S3	sandstone	SS	0.15	-0.823908741
MNC-6b	Beluga	Tkb	S3	sandstone	SS	0.2	-0.698970004
MNC-6b	Beluga	Tkb	S3	sandstone	SS	0.17	-0.769551079
SF-2a	Beluga	Tkb	S3	ss lense	SS	0.14	-0.853871964
SF-2a	Beluga	Tkb	S3	ss lense	SS	0.17	-0.769551079
SF-2a	Beluga	Tkb	S3	comglomerate	CG	0.1	-1
SF-2a	Beluga	Tkb	S3	comglomerate	CG	0.11	-0.958607315
SF-2a	Beluga	Tkb	S3	comglomerate	CG	0.12	-0.920818754
SF-2a	Beluga	Tkb	S3	comglomerate	CG	0.1	-1
SF-2a	Beluga	Tkb	S3	comglomerate	CG	0.07	-1.15490196
SF-2a	Beluga	Tkb	S3	comglomerate	CG	0.1	-1
SF-2a	Beluga	Tkb	S3	comglomerate	CG	0.07	-1.15490196
SF-2a	Beluga	Tkb	S3	ss lense	SS	0.14	-0.853871964
SF-2a	Beluga	Tkb	S3	comglomerate	CG	0.09	-1.045757491
SF-2a	Beluga	Tkb	S3	comglomerate	CG	0.1	-1
SF-2b	Beluga	Tkb	S3	sandstone lens	SS	0.09	-1.045757491
SF-2b	Beluga	Tkb	S3	sandstone lens	SS	0.08	-1.096910013
SF-2b	Beluga	Tkb	S3	conglomerate	CG	0.05	-1.301029996
SF-2b	Beluga	Tkb	S3	conglomerate	CG	0.1	-1
SF-2b	Beluga	Tkb	S3	sandstone lens	SS	0.09	-1.045757491
SF-2b	Beluga	Tkb	S3	conglomerate	CG	0.05	-1.301029996
SF-2b	Beluga	Tkb	S3	conglomerate	CG	0.08	-1.096910013
SF-2b	Beluga	Tkb	S3	sandstone lens	SS	0.13	-0.886056648
SF-2b	Beluga	Tkb	S3	conglomerate	CG	0.09	-1.045757491
SF-2b	Beluga	Tkb	S3	conglomerate	CG	0.08	-1.096910013
SF-2b	Beluga	Tkb	S3	sandstone lens	SS	0.15	-0.823908741

SF-2b	Beluga	Tkb	S3	conglomerate	CG	0.08	-1.096910013
SF-2b	Beluga	Tkb	S3	conglomerate	CG	0.05	-1.301029996
SF-2b	Beluga	Tkb	S3	sandstone lens	SS	0.13	-0.886056648
SF-2b	Beluga	Tkb	S3	conglomerate	CG	0.09	-1.045757491
SF-2b	Beluga	Tkb	S3	conglomerate	CG	0.07	-1.15490196
SF-2b	Beluga	Tkb	S3	sandstone lens	SS	0.13	-0.886056648
SF-2b	Beluga	Tkb	S3	conglomerate	CG	0.05	-1.301029996
SF-2b	Beluga	Tkb	S3	conglomerate	CG	0.07	-1.15490196
SF-2b	Beluga	Tkb	S3	sandstone lens	SS	0.12	-0.920818754
SF-2b	Beluga	Tkb	S3	conglomerate	CG	0.08	-1.096910013
SF-2b	Beluga	Tkb	S3	conglomerate	CG	0.07	-1.15490196
SF-2b	Beluga	Tkb	S3	conglomerate	CG	0.06	-1.22184875
SF-2b	Beluga	Tkb	S3	conglomerate	CG	0.07	-1.15490196
SF-2b	Beluga	Tkb	S3	conglomerate	CG	0.04	-1.397940009
SF-4a	Beluga	Tkb	S3	sandstone	SS	0.18	-0.744727495
SF-4a	Beluga	Tkb	S3	conglomerate	CG	0.12	-0.920818754
SF-4a	Beluga	Tkb	S3	sandstone	SS	0.18	-0.744727495
SF-4a	Beluga	Tkb	S3	conglomerate	CG	0.14	-0.853871964
SF-4a	Beluga	Tkb	S3	sandstone	SS	0.18	-0.744727495
SF-4a	Beluga	Tkb	S3	conglomerate	CG	0.15	-0.823908741
SF-4a	Beluga	Tkb	S3	sandstone	SS	0.2	-0.698970004
SF-4a	Beluga	Tkb	S3	conglomerate	CG	0.1	-1
SF-4a	Beluga	Tkb	S3	sandstone	SS	0.14	-0.853871964
SF-4a	Beluga	Tkb	S3	sandstone	SS	0.18	-0.744727495
SF-4a	Beluga	Tkb	S3	conglomerate	CG	0.15	-0.823908741
SF-4a	Beluga	Tkb	S3	sandstone	SS	0.15	-0.823908741
SF-4a	Beluga	Tkb	S3	sandstone	SS	0.17	-0.769551079
SF-4a	Beluga	Tkb	S3	conglomerate	CG	0.1	-1
SF-4b	Beluga	Tkb	S3	sandstone	SS	0.14	-0.853871964
SF-4b	Beluga	Tkb	S3	conglomerate	CG	0.04	-1.397940009
SF-4b	Beluga	Tkb	S3	sandstone	SS	0.09	-1.045757491
SF-4b	Beluga	Tkb	S3	sandstone	SS	0.12	-0.920818754
SF-4b	Beluga	Tkb	S3	sandstone	SS	0.15	-0.823908741
SF-4b	Beluga	Tkb	S3	conglomerate	CG	0.09	-1.045757491
SF-4b	Beluga	Tkb	S3	sandstone	SS	0.09	-1.045757491
SF-4b	Beluga	Tkb	S3	conglomerate	CG	0.04	-1.397940009
SF-4b	Beluga	Tkb	S3	sandstone	SS	0.17	-0.769551079
SF-4b	Beluga	Tkb	S3	conglomerate	CG	0.03	-1.522878745
SF-4b	Beluga	Tkb	S3	sandstone	SS	0.09	-1.045757491
SF-4b	Beluga	Tkb	S3	sandstone	SS	0.14	-0.853871964
SF-4b	Beluga	Tkb	S3	sandstone	SS	0.14	-0.853871964
SF-4b	Beluga	Tkb	S3	conglomerate	CG	0.08	-1.096910013
SF-4b	Beluga	Tkb	S3	sandstone	SS	0.09	-1.045757491
SF-4b	Beluga	Tkb	S3	sandstone	SS	0.1	-1
SF-4b	Beluga	Tkb	S3	conglomerate	CG	0.05	-1.301029996
SF-4b	Beluga	Tkb	S3	sandstone	SS	0.12	-0.920818754
SF-4b	Beluga	Tkb	S3	sandstone	SS	0.12	-0.920818754
SF-4b	Beluga	Tkb	S3	sandstone	SS	0.1	-1
SF-4b	Beluga	Tkb	S3	conglomerate	CG	0.05	-1.301029996
SF-4b	Beluga	Tkb	S3	sandstone	SS	0.12	-0.920818754
SF-4b	Beluga	Tkb	S3	sandstone	SS	0.12	-0.920818754
SF-4b	Beluga	Tkb	S3	sandstone	SS	0.17	-0.769551079
SF-4b	Beluga	Tkb	S3	conglomerate	CG	0.07	-1.15490196
SF-4b	Beluga	Tkb	S3	conglomerate	CG	0.07	-1.15490196
SF-4b	Beluga	Tkb	S3	sandstone	SS	0.1	-1
SF-4b	Beluga	Tkb	S3	sandstone	SS	0.09	-1.045757491
SF-4b	Beluga	Tkb	S3	sandstone	SS	0.14	-0.853871964
SF-4b	Beluga	Tkb	S3	conglomerate	CG	0.06	-1.22184875
SF-4b	Beluga	Tkb	S3	sandstone	SS	0.12	-0.920818754
SF-4b	Beluga	Tkb	S3	sandstone	SS	0.1	-1
SF-4b	Beluga	Tkb	S3	sandstone	SS	0.1	-1
DC-1	Beluga	Tkb	S3	lignite	C	0.06	-1.22184875

DC-1	Beluga	Tkb	S3		C	0.02	-1.698970004
DC-1	Beluga	Tkb	S3		C	0.06	-1.22184875
DC-1	Beluga	Tkb	S3		C	0.02	-1.698970004
DC-1	Beluga	Tkb	S3	orange stained ss	SS	0.29	-0.537602002
DC-1	Beluga	Tkb	S3		SS	0.21	-0.677780705
DC-1	Beluga	Tkb	S3		SS	0.26	-0.585026652
DC-1	Beluga	Tkb	S3		SS	0.21	-0.677780705
DC-1	Beluga	Tkb	S3		SS	0.23	-0.638272164
DC-1	Beluga	Tkb	S3	mudstone	MS	0.11	-0.958607315
DC-1	Beluga	Tkb	S3		MS	0.11	-0.958607315
DC-1	Beluga	Tkb	S3	(orange stained)	SS	0.2	-0.698970004
DC-1	Beluga	Tkb	S3		MS	0.1	-1
DC-1	Beluga	Tkb	S3		MS	0.13	-0.886056648
DC-1	Beluga	Tkb	S3		MS	0.12	-0.920818754
CG-1a	Sterling	Tks	S2	sandstone	SS	1.86	0.269512944
CG-1a	Sterling	Tks	S2	sandstone	SS	2.48	0.394451681
CG-1a	Sterling	Tks	S2	sandstone	SS	2.29	0.359835482
CG-1a	Sterling	Tks	S2	sandstone	SS	1.76	0.245512668
CG-1a	Sterling	Tks	S2	sandstone	SS	1.66	0.220108088
CG-1a	Sterling	Tks	S2	sandstone	SS	2.22	0.346352974
CG-1a	Sterling	Tks	S2	sandstone	SS	1.67	0.222716471
CG-1a	Sterling	Tks	S2	sandstone	SS	1.73	0.238046103
CG-1a	Sterling	Tks	S2	sandstone	SS	1.49	0.173186268
CG-1a	Sterling	Tks	S2	sandstone	SS	1.54	0.187520721
CG-1a	Sterling	Tks	S2	sandstone	SS	1.17	0.068185862
CG-1a	Sterling	Tks	S2	sandstone	SS	1.84	0.264817823
CG-1a	Sterling	Tks	S2	sandstone	SS	2.25	0.352182518
CG-1a	Sterling	Tks	S2	sandstone	SS	2.04	0.309630167
CG-1b	Sterling	Tks	S2	organic rich	OR	0.98	-0.008773924
CG-1b	Sterling	Tks	S2	sandstone	SS	1.54	0.187520721
CG-1b	Sterling	Tks	S2	sandstone	SS	1.25	0.096910013
CG-1b	Sterling	Tks	S2	sandstone	SS	1.56	0.193124598
CG-1b	Sterling	Tks	S2	sandstone	SS	4.27	0.630427875
CG-1b	Sterling	Tks	S2	sandstone	SS	1.53	0.184691431
CG-1b	Sterling	Tks	S2	sandstone	SS	1.94	0.28780173
CG-1b	Sterling	Tks	S2	sandstone	SS	1.61	0.206825876
CG-1b	Sterling	Tks	S2	orange stained ss	SS	0.42	-0.37675071
CG-1b	Sterling	Tks	S2	organic rich	SS	0.94	-0.026872146
CG-1b	Sterling	Tks	S2	organic rich	SS	0.76	-0.119186408
CG-1b	Sterling	Tks	S2	sandstone	SS	2.38	0.376576957
CG-1b	Sterling	Tks	S2	sandstone	SS	1.2	0.079181246
CG-1b	Sterling	Tks	S2	sandstone	SS	1.09	0.037426498
CG-1b	Sterling	Tks	S2	sandstone	SS	1.04	0.017033339
CG-1b	Sterling	Tks	S2	sandstone	SS	1.38	0.139879086
CG-1b	Sterling	Tks	S2	organic rich	SS	0.54	-0.26760624
CG-1b	Sterling	Tks	S2	organic rich	SS	0.3	-0.522878745
CG-1b	Sterling	Tks	S2	sandstone	SS	1.8	0.255272505
CG-1b	Sterling	Tks	S2	sandstone	SS	1.47	0.167317335
CG-1b	Sterling	Tks	S2	organic rich	SS	0.64	-0.193820026
CG-1b	Sterling	Tks	S2	sandstone	SS	1.77	0.247973266
CG-2a	Sterling	Tks	S2	beach cobbles	BC	0.18	-0.744727495
CG-2a	Sterling	Tks	S2	beach cobbles	BC	0.61	-0.214670165
CG-2a	Sterling	Tks	S2	beach cobbles	BC	0.48	-0.318758763
CG-2a	Sterling	Tks	S2	beach cobbles	BC	0.5	-0.301029996
CG-2a	Sterling	Tks	S2	beach cobbles	BC	1.25	0.096910013
CG-2a	Sterling	Tks	S2	beach cobbles	BC	0.11	-0.958607315
CG-2a	Sterling	Tks	S2	beach cobbles	BC	0.23	-0.638272164
CG-2a	Sterling	Tks	S2	beach cobbles	BC	0.31	-0.508638306
CG-2a	Sterling	Tks	S2	beach cobbles	BC	0.19	-0.721246399
CG-2a	Sterling	Tks	S2	beach cobbles	BC	0.05	-1.301029996
CG-2a	Sterling	Tks	S2	beach cobbles	BC	0.22	-0.657577319
CG-2a	Sterling	Tks	S2	beach cobbles	BC	15.5	1.190331698

CG-2a	Sterling	Tks	S2	beach cobbles	BC	5.19	0.715167358
CG-2a	Sterling	Tks	S2	beach cobbles	BC	0.39	-0.408935393
CG-2a	Sterling	Tks	S2	beach cobbles	BC	0.25	-0.602059991
CG-2a	Sterling	Tks	S2	beach cobbles	BC	0.18	-0.744727495
CG-2a	Sterling	Tks	S2	beach cobbles	BC	0.11	-0.958607315
CG-2a	Sterling	Tks	S2	beach cobbles	BC	3.74	0.572871602
CG-2a	Sterling	Tks	S2	beach cobbles	BC	0.3	-0.522878745
CG-2a	Sterling	Tks	S2	beach cobbles	BC	35.9	1.555094449
CG-2a	Sterling	Tks	S2	beach cobbles	BC	0.35	-0.455931956
CG-2a	Sterling	Tks	S2	beach cobbles	BC	0.2	-0.698970004
CG-2a	Sterling	Tks	S2	beach cobbles	BC	0.7	-0.15490196
CG-2a	Sterling	Tks	S2	beach cobbles	BC	23.6	1.372912003
CG-2a	Sterling	Tks	S2	beach cobbles	BC	0.37	-0.431798276
CG-2a	Sterling	Tks	S2	beach cobbles	BC	0.15	-0.823908741
CG-2a	Sterling	Tks	S2	beach cobbles	BC	0.7	-0.15490196
CG-2a	Sterling	Tks	S2	beach cobbles	BC	0.45	-0.346787486
CG-2a	Sterling	Tks	S2	beach cobbles	BC	0.7	-0.15490196
CG-2a	Sterling	Tks	S2	beach cobbles	BC	1.4	0.146128036
CG-2a	Sterling	Tks	S2	beach cobbles	BC	14.9	1.173186268
CG-2a	Sterling	Tks	S2	beach cobbles	BC	1.87	0.271841607
CG-2a	Sterling	Tks	S2	beach cobbles	BC	4.14	0.617000341
CG-2a	Sterling	Tks	S2	beach cobbles	BC	0.4	-0.397940009
CG-2b	Sterling	Tks	S2	sandstone	SS	1.02	0.008600172
CG-2b	Sterling	Tks	S2	sandstone	SS	1.06	0.025305865
CG-2b	Sterling	Tks	S2	sandstone	SS	6.55	0.8162413
CG-2b	Sterling	Tks	S2	sandstone	SS	1.82	0.260071388
CG-2b	Sterling	Tks	S2	sandstone	SS	1.96	0.292256071
CG-2b	Sterling	Tks	S2	sandstone	SS	1.3	0.113943352
CG-2b	Sterling	Tks	S2	sandstone	SS	1.71	0.23299611
CG-2b	Sterling	Tks	S2	sandstone	SS	2.12	0.326335861
CG-2b	Sterling	Tks	S2	sandstone	SS	2.3	0.361727836
CG-2b	Sterling	Tks	S2	sandstone	SS	2.33	0.367355921
CG-2b	Sterling	Tks	S2	sandstone	SS	2.54	0.404833717
CG-2b	Sterling	Tks	S2	sandstone	SS	2.57	0.409933123
CG-2b	Sterling	Tks	S2	sandstone	SS	2.78	0.444044796
CG-2b	Sterling	Tks	S2	sandstone	SS	2.63	0.419955748
CG-2b	Sterling	Tks	S2	sandstone	SS	3.1	0.491361694
CG-2b	Sterling	Tks	S2	sandstone	SS	2.39	0.378397901
CG-2b	Sterling	Tks	S2	sandstone	SS	2.8	0.447158031
CG-2b	Sterling	Tks	S2	sandstone	SS	1.9	0.278753601
CG-2b	Sterling	Tks	S2	sandstone	SS	2.04	0.309630167
CG-2b	Sterling	Tks	S2	sandstone	SS	1.88	0.274157849
CG-2b	Sterling	Tks	S2	sandstone	SS	2.17	0.336459734
CG-2b	Sterling	Tks	S2	sandstone	SS	1.85	0.267171728
CG-2b	Sterling	Tks	S2	sandstone	SS	1.42	0.152288344
CG-2b	Sterling	Tks	S2	sandstone	SS	1.91	0.281033367
CG-2b	Sterling	Tks	S2	sandstone	SS	2.45	0.389166084
CG-2b	Sterling	Tks	S2	sandstone	SS	2.4	0.380211242
CG-2b	Sterling	Tks	S2	sandstone	SS	1.9	0.278753601
CG-2b	Sterling	Tks	S2	sandstone	SS	2.07	0.315970345
CG-2b	Sterling	Tks	S2	sandstone	SS	3.42	0.534026106
CG-2b	Sterling	Tks	S2	sandstone	SS	1.81	0.257678575
CG-2b	Sterling	Tks	S2	sandstone	SS	1.84	0.264817823
CG-2b	Sterling	Tks	S2	sandstone	SS	1.51	0.178976947
CG-2b	Sterling	Tks	S2	sandstone	SS	3.43	0.53529412
CG-2b	Sterling	Tks	S2	sandstone	SS	1.89	0.276461804
CG-2b	Sterling	Tks	S2	sandstone	SS	2.33	0.367355921
CG-2b	Sterling	Tks	S2	sandstone	SS	1.67	0.222716471
CG-2b	Sterling	Tks	S2	sandstone	SS	2.23	0.348304863
CG-2b	Sterling	Tks	S2	sandstone	SS	1.35	0.130333768
CG-2b	Sterling	Tks	S2	sandstone	SS	2.9	0.462397998
CG-2b	Sterling	Tks	S2	sandstone	SS	1.63	0.212187604

CG-2b	Sterling	Tks	S2	sandstone	SS	1.92	0.283301229
CG-2b	Sterling	Tks	S2	sandstone	SS	2.32	0.365487985
CG-2b	Sterling	Tks	S2	sandstone	SS	3.96	0.597695186
CG-2b	Sterling	Tks	S2	sandstone	SS	3.01	0.478566496
CG-2b	Sterling	Tks	S2	sandstone	SS	2.33	0.367355921
CG-2b	Sterling	Tks	S2	sandstone	SS	3.4	0.531478917
CG-3a	Sterling	Tks	S2	sandstone	SS	0.24	-0.619788758
CG-3a	Sterling	Tks	S2	sandstone	SS	0.26	-0.585026652
CG-3a	Sterling	Tks	S2	sandstone	SS	0.22	-0.657577319
CG-3a	Sterling	Tks	S2	sandstone	SS	0.27	-0.568636236
CG-3a	Sterling	Tks	S2	sandstone	SS	0.22	-0.657577319
CG-3a	Sterling	Tks	S2	sandstone	SS	0.22	-0.657577319
CG-3a	Sterling	Tks	S2	coal	C	0.16	-0.795880017
CG-3a	Sterling	Tks	S2	sandstone	SS	0.44	-0.356547324
CG-3a	Sterling	Tks	S2	sandstone	SS	0.36	-0.443697499
CG-3b	Sterling	Tks	S2	organic rich	SS	0.12	-0.920818754
CG-3b	Sterling	Tks	S2	organic rich	SS	0.04	-1.397940009
CG-3b	Sterling	Tks	S2	organic rich	SS	0.02	-1.698970004
CG-3b	Sterling	Tks	S2	organic rich	SS	0.19	-0.721246399
CG-3b	Sterling	Tks	S2	sandstone	SS	0.32	-0.494850022
CG-4a	Sterling	Tks	S2	sandstone	SS	0.45	-0.346787486
CG-4a	Sterling	Tks	S2	sandstone	SS	0.36	-0.443697499
CG-4a	Sterling	Tks	S2	orange stained sa	SS	0.31	-0.508638306
CG-4a	Sterling	Tks	S2	sandstone	SS	0.49	-0.30980392
CG-4a	Sterling	Tks	S2	sandstone	SS	0.34	-0.468521083
CG-4a	Sterling	Tks	S2	sandstone	SS	0.22	-0.657577319
CG-4a	Sterling	Tks	S2	sandstone	SS	0.37	-0.431798276
CG-4a	Sterling	Tks	S2	sandstone	SS	0.29	-0.537602002
CG-4a	Sterling	Tks	S2	sandstone	SS	0.35	-0.455931956
CG-4a	Sterling	Tks	S2	sandstone	SS	0.4	-0.397940009
CG-4a	Sterling	Tks	S2	sandstone	SS	0.3	-0.522878745
CG-4a	Sterling	Tks	S2	sandstone	SS	0.46	-0.337242168
CG-4a	Sterling	Tks	S2	sandstone	SS	0.48	-0.318758763
CG-4a	Sterling	Tks	S2	orange stained sa	SS	0.38	-0.420216403
CG-4a	Sterling	Tks	S2	sandstone	SS	0.42	-0.37675071
CG-4a	Sterling	Tks	S2	sandstone	SS	0.41	-0.387216143
CG-4a	Sterling	Tks	S2	sandstone	SS	0.44	-0.356547324
CG-4a	Sterling	Tks	S2	orange stained sa	SS	0.36	-0.443697499
CG-4a	Sterling	Tks	S2	orange stained sa	SS	0.37	-0.431798276
CG-4a	Sterling	Tks	S2	sandstone	SS	0.37	-0.431798276
CG-4a	Sterling	Tks	S2	sandstone	SS	0.43	-0.366531544
CG-4a	Sterling	Tks	S2	orange stained sa	SS	0.36	-0.443697499
CG-4a	Sterling	Tks	S2	sandstone	SS	0.28	-0.552841969
CG-4a	Sterling	Tks	S2	sandstone	SS	0.38	-0.420216403
CG-4a	Sterling	Tks	S2	sandstone	SS	0.31	-0.508638306
CG-4a	Sterling	Tks	S2	coal	C	0.18	-0.744727495
CG-4a	Sterling	Tks	S2	sandstone	SS	0.33	-0.48148606
CG-4a	Sterling	Tks	S2	orange stained sa	SS	0.32	-0.494850022
CG-4a	Sterling	Tks	S2	sandstone	SS	0.37	-0.431798276
CG-4a	Sterling	Tks	S2	coal	C	0.19	-0.721246399
CG-4a	Sterling	Tks	S2	sandstone	SS	0.32	-0.494850022
CG-4a	Sterling	Tks	S2	coal	C	0.23	-0.638272164
CG-4a	Sterling	Tks	S2	orange stained sa	SS	0.3	-0.522878745
CG-4a	Sterling	Tks	S2	sandstone	SS	0.33	-0.48148606
CG-4a	Sterling	Tks	S2	grey silt	GS	0.24	-0.619788758
CG-4a	Sterling	Tks	S2	sandstone	SS	0.35	-0.455931956
CG-4a	Sterling	Tks	S2	sandstone	SS	0.41	-0.387216143
CG-4a	Sterling	Tks	S2	sandstone	SS	0.32	-0.494850022
CG-4a	Sterling	Tks	S2	sandstone	SS	0.23	-0.638272164
CG-4a	Sterling	Tks	S2	sandstone	SS	0.31	-0.508638306
CG-4a	Sterling	Tks	S2	sandstone	SS	0.39	-0.408935393
CG-4a	Sterling	Tks	S2	sandstone	SS	0.28	-0.552841969

CG-4a	Sterling	Tks	S2	sandstone	SS	0.31	-0.508638306
CG-4a	Sterling	Tks	S2	coal	C	0.28	-0.552841969
CG-4a	Sterling	Tks	S2	sandstone	SS	0.25	-0.602059991
CG-4a	Sterling	Tks	S2	orange stained sa	SS	0.39	-0.408935393
CG-4a	Sterling	Tks	S2	sandstone	SS	0.41	-0.387216143
CG-4a	Sterling	Tks	S2	sandstone	SS	0.4	-0.397940009
CG-4a	Sterling	Tks	S2	sandstone	SS	0.32	-0.494850022
CG-4a	Sterling	Tks	S2	sandstone	SS	0.35	-0.455931956
CG-4a	Sterling	Tks	S2	orange stained sa	SS	0.27	-0.568636236
CG-4a	Sterling	Tks	S2	sandstone	SS	0.4	-0.397940009
CG-4a	Sterling	Tks	S2	sandstone	SS	0.42	-0.37675071
CG-4a	Sterling	Tks	S2	fine laminated ss	SS	0.51	-0.292429824
CG-4a	Sterling	Tks	S2	sandstone	SS	0.41	-0.387216143
CG-4a	Sterling	Tks	S2	sandstone	SS	0.48	-0.318758763
CG-4a	Sterling	Tks	S2	sandstone	SS	0.36	-0.443697499
CG-4a	Sterling	Tks	S2	fine laminated ss	SS	0.53	-0.27572413
CG-4a	Sterling	Tks	S2	sandstone	SS	0.44	-0.356547324
CG-4a	Sterling	Tks	S2	fine laminated ss	SS	0.83	-0.080921908
CG-4a	Sterling	Tks	S2	sandstone	SS	0.42	-0.37675071
CG-4a	Sterling	Tks	S2	sandstone	SS	0.37	-0.431798276
CG-4a	Sterling	Tks	S2	sandstone	SS	0.47	-0.327902142
CG-4a	Sterling	Tks	S2	sandstone	SS	0.37	-0.431798276
CG-4a	Sterling	Tks	S2	fine laminated ss	SS	0.64	-0.193820026
CG-4a	Sterling	Tks	S2	fine laminated ss	SS	0.64	-0.193820026
CG-4a	Sterling	Tks	S2	sandstone	SS	0.45	-0.346787486
CG-4a	Sterling	Tks	S2	orange stained sa	SS	0.32	-0.494850022
CG-4a	Sterling	Tks	S2	fine laminated ss	SS	0.6	-0.22184875
CG-4a	Sterling	Tks	S2	orange stained sa	SS	0.38	-0.420216403
CG-4a	Sterling	Tks	S2	fine laminated ss	SS	0.57	-0.244125144
CG-4a	Sterling	Tks	S2	sandstone	SS	0.42	-0.37675071
CG-4a	Sterling	Tks	S2	orange stained sa	SS	0.24	-0.619788758
CG-4a	Sterling	Tks	S2	orange stained sa	SS	0.33	-0.48148606
CG-4a	Sterling	Tks	S2	fine laminated ss	SS	0.68	-0.167491087
CG-4a	Sterling	Tks	S2	sandstone	SS	0.33	-0.48148606
CG-4a	Sterling	Tks	S2	coal	C	0.23	-0.638272164
CG-4a	Sterling	Tks	S2	sandstone	SS	0.35	-0.455931956
CG-4a	Sterling	Tks	S2	orange stained sa	SS	0.29	-0.537602002
CG-4a	Sterling	Tks	S2	sandstone	SS	0.37	-0.431798276
CG-4a	Sterling	Tks	S2	orange stained sa	SS	0.4	-0.397940009
CG-4a	Sterling	Tks	S2	sandstone	SS	0.41	-0.387216143
CG-4a	Sterling	Tks	S2	sandstone	SS	0.34	-0.468521083
CG-4a	Sterling	Tks	S2	sandstone	SS	0.42	-0.37675071
CG-4a	Sterling	Tks	S2	sandstone	SS	0.52	-0.283996656
CG-4a	Sterling	Tks	S2	sandstone	SS	0.35	-0.455931956
CG-4a	Sterling	Tks	S2	sandstone	SS	0.37	-0.431798276
CG-4a	Sterling	Tks	S2	fine laminated ss	SS	0.68	-0.167491087
CG-4a	Sterling	Tks	S2	orange stained sa	SS	0.29	-0.537602002
CG-4a	Sterling	Tks	S2	sandstone	SS	0.38	-0.420216403
CG-4a	Sterling	Tks	S2	sandstone	SS	0.48	-0.318758763
CG-4a	Sterling	Tks	S2	sandstone	SS	0.43	-0.366531544
CG-4a	Sterling	Tks	S2	sandstone	SS	0.37	-0.431798276
CG-4a	Sterling	Tks	S2	sandstone	SS	0.41	-0.387216143
CG-4a	Sterling	Tks	S2	sandstone	SS	0.55	-0.259637311
CG-4b	Sterling	Tks	S2	sandstone	SS	0.32	-0.494850022
CG-4b	Sterling	Tks	S2	sandstone	SS	0.34	-0.468521083
CG-4b	Sterling	Tks	S2	sandstone	SS	0.35	-0.455931956
CG-4b	Sterling	Tks	S2	sandstone	SS	0.35	-0.455931956
CG-4b	Sterling	Tks	S2	coal	C	0.21	-0.677780705
CG-4b	Sterling	Tks	S2	sandstone	SS	0.33	-0.48148606
CG-4b	Sterling	Tks	S2	sandstone	SS	0.4	-0.397940009
CG-4b	Sterling	Tks	S2	sandstone	SS	0.4	-0.397940009
CG-4b	Sterling	Tks	S2	sandstone	SS	0.3	-0.522878745

CG-4b	Sterling	Tks	S2	sandstone	SS	0.34	-0.468521083
CG-4b	Sterling	Tks	S2	sandstone	SS	0.46	-0.337242168
CG-4b	Sterling	Tks	S2	sandstone	SS	0.33	-0.48148606
CG-4b	Sterling	Tks	S2	sandstone	SS	0.43	-0.366531544
CG-4b	Sterling	Tks	S2	coal	C	0.21	-0.677780705
CG-4b	Sterling	Tks	S2	coal	C	0.19	-0.721246399
CG-4b	Sterling	Tks	S2	sandstone	SS	0.43	-0.366531544
CG-4b	Sterling	Tks	S2	sandstone	SS	0.31	-0.508638306
CG-4b	Sterling	Tks	S2	sandstone	SS	0.41	-0.387216143
CG-4b	Sterling	Tks	S2	sandstone	SS	0.39	-0.408935393
CG-4b	Sterling	Tks	S2	sandstone	SS	0.33	-0.48148606
CG-4b	Sterling	Tks	S2	sandstone	SS	0.34	-0.468521083
CG-4b	Sterling	Tks	S2	sandstone	SS	0.38	-0.420216403
CG-4b	Sterling	Tks	S2	sandstone	SS	0.34	-0.468521083
CG-4b	Sterling	Tks	S2	sandstone	SS	0.31	-0.508638306
CG-4b	Sterling	Tks	S2	sandstone	SS	0.35	-0.455931956
CG-5a	Sterling	Tks	S2	cross-bedded san	SS	1.69	0.227886705
CG-5a	Sterling	Tks	S2	cross-bedded san	SS	1.4	0.146128036
CG-5a	Sterling	Tks	S2	cross-bedded san	SS	2.43	0.385606274
CG-5a	Sterling	Tks	S2	cross-bedded san	SS	0.94	-0.026872146
CG-5a	Sterling	Tks	S2	cross-bedded san	SS	1.47	0.167317335
CG-5a	Sterling	Tks	S2	cross-bedded san	SS	1.5	0.176091259
CG-5a	Sterling	Tks	S2	cross-bedded san	SS	1.6	0.204119983
CG-5a	Sterling	Tks	S2	cross-bedded san	SS	1.38	0.139879086
CG-5a	Sterling	Tks	S2	cross-bedded san	SS	1.34	0.127104798
CG-5a	Sterling	Tks	S2	cross-bedded san	SS	1.2	0.079181246
CG-5a	Sterling	Tks	S2	cross-bedded san	SS	1.71	0.23299611
CG-5a	Sterling	Tks	S2	cross-bedded san	SS	1.51	0.178976947
CG-5a	Sterling	Tks	S2	cross-bedded san	SS	1.84	0.264817823
CG-5a	Sterling	Tks	S2	massive sandston	MS	3.34	0.523746467
CG-5b	Sterling	Tks	S2	cross-bedded san	SS	1.42	0.152288344
CG-5b	Sterling	Tks	S2	massive sandston	MS	2.48	0.394451681
CG-5b	Sterling	Tks	S2	massive sandston	MS	2.26	0.354108439
CG-5b	Sterling	Tks	S2	massive sandston	MS	3.28	0.515873844
CG-5b	Sterling	Tks	S2	massive sandston	MS	3.04	0.482873584
CG-5b	Sterling	Tks	S2	massive sandston	MS	4.04	0.606381365
CG-5b	Sterling	Tks	S2	massive sandston	MS	3.48	0.541579244
CG-5b	Sterling	Tks	S2	massive sandston	MS	2.55	0.40654018
CG-5b	Sterling	Tks	S2	massive sandston	MS	2.14	0.330413773
CG-5b	Sterling	Tks	S2	massive sandston	MS	3.83	0.583198774
CG-5b	Sterling	Tks	S2	massive sandston	MS	2.7	0.431363764
CG-5b	Sterling	Tks	S2	massive sandston	MS	3.9	0.591064607
CG-5b	Sterling	Tks	S2	massive sandston	MS	3.48	0.541579244
CG-5b	Sterling	Tks	S2	massive sandston	MS	3.37	0.527629901
CG-5b	Sterling	Tks	S2	massive sandston	MS	3.08	0.488550717
CG-5b	Sterling	Tks	S2	massive sandston	MS	3.93	0.59439255
CG-5b	Sterling	Tks	S2	cross-bedded san	SS	1.72	0.235528447
CG-5b	Sterling	Tks	S2	cross-bedded san	SS	1.6	0.204119983
CG-5b	Sterling	Tks	S2	cross-bedded san	SS	1.31	0.117271296
CG-5b	Sterling	Tks	S2	cross-bedded san	SS	1.17	0.068185862
CG-5b	Sterling	Tks	S2	cross-bedded san	SS	1.41	0.149219113
N-1a	Sterling	Tks	S2	sandstone	SS	0.81	-0.091514981
N-1a	Sterling	Tks	S2	sandstone	SS	0.67	-0.173925197
N-1a	Sterling	Tks	S2	sandstone	SS	0.63	-0.200659451
N-1a	Sterling	Tks	S2	sandstone	SS	0.68	-0.167491087
N-1a	Sterling	Tks	S2	sandstone	SS	1.01	0.004321374
N-1a	Sterling	Tks	S2	sandstone	SS	0.92	-0.036212173
N-1a	Sterling	Tks	S2	sandstone	SS	1.43	0.155336037
N-1a	Sterling	Tks	S2	sandstone	SS	0.71	-0.148741651
N-1a	Sterling	Tks	S2	sandstone	SS	0.76	-0.119186408
N-1a	Sterling	Tks	S2	sandstone	SS	0.7	-0.15490196
N-1a	Sterling	Tks	S2	sandstone	SS	1.44	0.158362492

N-1a	Sterling	Tks	S2	sandstone	SS	0.67	-0.173925197
N-1a	Sterling	Tks	S2	sandstone	SS	1.67	0.222716471
N-1a	Sterling	Tks	S2	sandstone	SS	0.86	-0.065501549
N-1a	Sterling	Tks	S2	sandstone	SS	0.68	-0.167491087
N-1a	Sterling	Tks	S2	sandstone	SS	0.77	-0.113509275
N-1b	Sterling	Tks	S2	sandstone	SS	0.57	-0.244125144
N-1b	Sterling	Tks	S2	sandstone	SS	0.58	-0.236572006
N-1b	Sterling	Tks	S2	sandstone	SS	0.56	-0.251811973
N-1b	Sterling	Tks	S2	sandstone	SS	0.53	-0.27572413
N-1b	Sterling	Tks	S2	sandstone	SS	0.42	-0.37675071
N-1b	Sterling	Tks	S2	sandstone	SS	0.36	-0.443697499
N-1b	Sterling	Tks	S2	sandstone	SS	0.43	-0.366531544
N-1b	Sterling	Tks	S2	sandstone	SS	0.65	-0.187086643
N-1b	Sterling	Tks	S2	sandstone	SS	0.54	-0.26760624
N-1b	Sterling	Tks	S2	sandstone	SS	0.56	-0.251811973
N-1b	Sterling	Tks	S2	sandstone	SS	0.68	-0.167491087
N-1b	Sterling	Tks	S2	sandstone	SS	0.75	-0.124938737
N-1b	Sterling	Tks	S2	sandstone	SS	0.96	-0.017728767
N-1b	Sterling	Tks	S2	sandstone	SS	0.74	-0.13076828
N-1b	Sterling	Tks	S2	sandstone	SS	0.89	-0.050609993
N-1b	Sterling	Tks	S2	sandstone	SS	0.63	-0.200659451
N-1b	Sterling	Tks	S2	sandstone	SS	0.47	-0.327902142