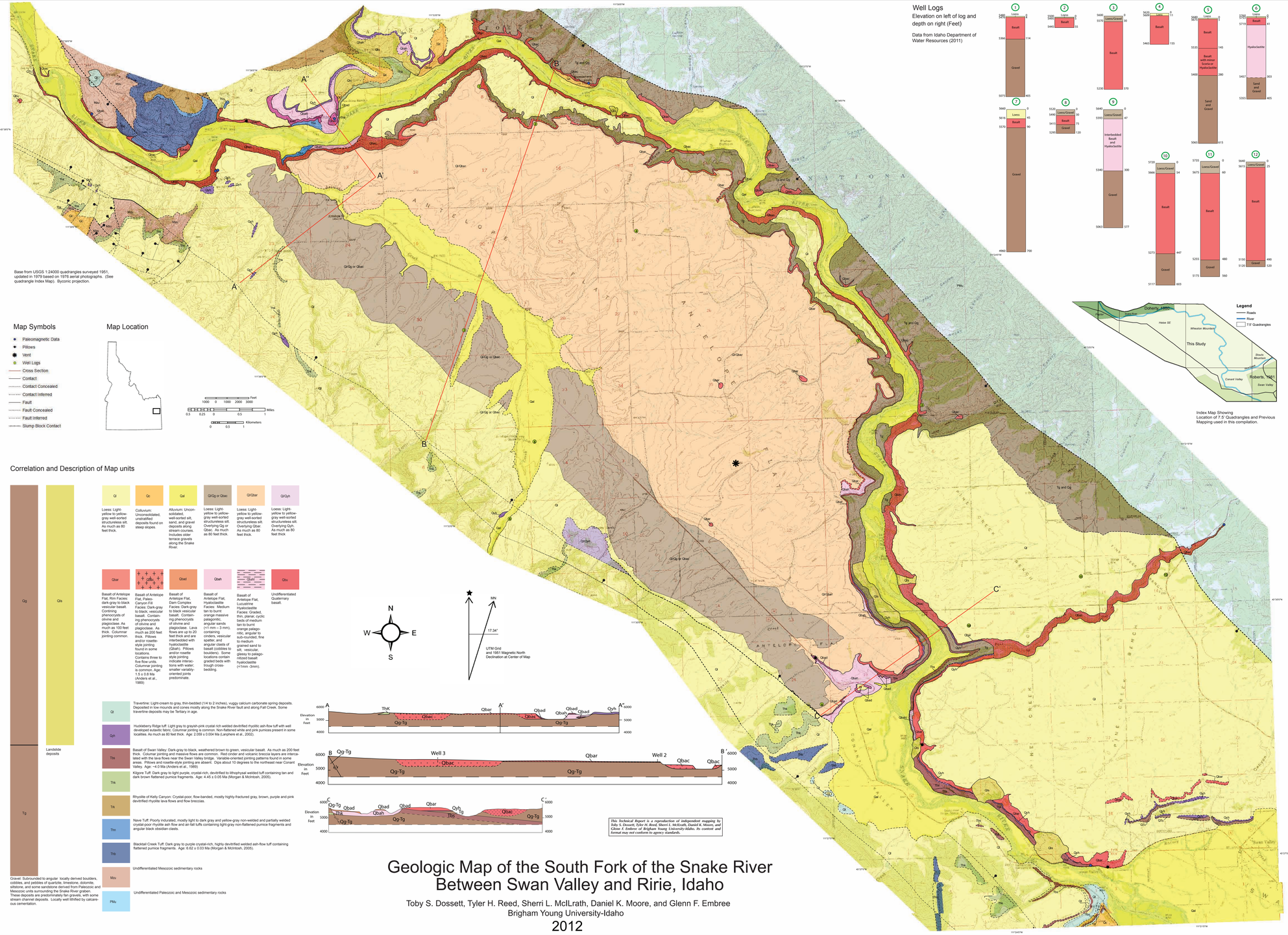


Correlation and Description of Map units

Well Logs

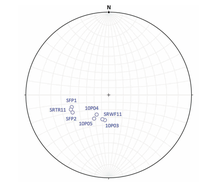
Elevation on left of log and depth on right (Feet)

Data from Idaho Department of Water Resources (2011)

Paleomagnetic Data

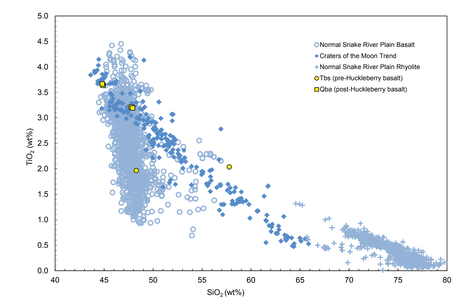
Data are from Phillips (2012)

Sample	10P03	10P04	10P05	SFP1	SFP2	SRTR11	SRWF11
Dec	189	212	212	252.03	244.33	249.14	194.77
Inc	-56	-59	-53	-39.60	-38.28	-37.74	-56.42
α_{95}	4.4	2.9	3.4	8	2.9	5.8	2.8
N	8	8	8	5/8	9	6/8	7/8
K	160	373	269	93	314	136	467
Polarity	R	R	R	R	R	R	R
Unit	Qba	Qba	Qba	Qba	Qba	Qba	Qba
LAT	43.60570	43.44888	43.51983	43.59069	43.59052	43.60137	43.60248
LONG	-111.50861	-111.37948	-111.33704	-111.61077	-111.61140	-111.57774	-111.64388



Compositional Data

Sample	SR-Pre H	SR-13	SR-Post H	SF-1	SR-6	SR-12
Latitude	43.48673	43.44961	43.48673	43.59074	43.52014	43.60559
Longitude	-111.43408	-111.38670	-111.43408	-111.61040	-111.33696	-111.51073
Location	Dam Complex	Swan V Bridge	Dam Complex	Clark Ranch	Pine Crk Pass	East of Snake R
Unit	Tbs	Tbs	Qba	Qba	Qba	Qba
SiO2	48.29	57.77	47.77	47.90	44.88	44.82
TiO2	1.97	2.04	3.21	3.19	3.64	3.67
Al2O3	14.99	15.54	14.69	14.76	14.75	14.70
FeO*	12.61	8.93	13.99	13.57	15.39	15.48
MnO	0.20	0.13	0.21	0.20	0.23	0.23
MgO	9.06	3.48	6.53	6.67	7.11	7.00
CaO	10.27	7.53	9.76	9.88	9.60	9.67
Na2O	2.06	2.94	2.53	2.53	2.70	2.67
K2O	0.27	1.25	0.66	0.68	0.64	0.67
P2O5	0.30	0.40	0.64	0.61	1.06	1.09
Analytical Total	99.83	99.44	100.69	100.47	99.64	98.73
Normalized Total	100.00	100.00	100.00	100.00	100.00	100.00
Ga	17	20	19	19	19	19
Sc	31	26	30	30	28	28
V	247	209	294	285	294	295
Cr	492	45	164	164	141	147
Ni	120	20	60	61	69	72
Cu	33	22	40	41	22	24
Zn	111	104	133	124	135	141
Rb	3	17	9	9	6	8
Sr	268	352	295	297	279	285
Y	26	39	39	37	44	45
Ba	291	732	394	434	560	501
La	22	39	33	34	47	47
Ce	38	61	58	53	73	86
Nd	26	37	37	37	47	50
Sm	3	4	4	4	5	5
Zr	118	255	266	252	295	298
Nb	11	21	28	26	33	33
Pb	4	10	5	5	7	6
Th	0	3	0	0	1	1
U	0	0	0	0	1	0



Geologic Map of the South Fork of the Snake River Between Swan Valley and Ririe, Idaho

Toby S. Dossett, Tyler H. Reed, Sherri L. McILrath, Daniel K. Moore, and Glenn F. Embree
Brigham Young University-Idaho

2012

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