

Article

# Supplementary Document: Gridded Snow Water Equivalent Reconstruction for Utah Using Forest Inventory and Analysis Tree-Ring Data

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**Table S1.** Summary statistics for snow course reconstructions using all tree-ring data over the calibration period (1930-1989).

Snow course station	Name	Number of parameters	model R <sup>2</sup>	model R <sup>2</sup> a	model R <sup>2</sup> cv
09j01	King's Cabin–Upper	6	0.522	0.483	0.391
09j03	Paradise Park *	4	0.589	0.558	0.502
09j05	Mosby Mountain	6	0.575	0.526	0.454
09l01	Lasal Mountain-Lower *	9	0.578	0.500	0.397
09m01	Buckboard Flat	2	0.473	0.468	0.415
10j01	Hole-in-Rock *	4	0.459	0.423	0.349
10j04	Hewinta G.S. *	3	0.272	0.229	0.169
10j08	Trial Lake *	4	0.455	0.414	0.363
10j10	Lakefork #1 *	7	0.707	0.667	0.593
10k01	Indian Canyon *	3	0.536	0.539	0.471
11h03	Tony Grove R.S.	2	0.256	0.229	0.174
11h07	Garden City Summit	3	0.311	0.279	0.214
11h12	Monte Cristo R.S. *	5	0.370	0.308	0.223
11j04	Smith & Morehouse	5	0.514	0.472	0.394
11j06	Redden Mind-Lower *	5	0.542	0.518	0.444
11j08	Strawberry Divide *	3	0.490	0.461	0.390
11j10	Mill D-South Fork *	4	0.384	0.383	0.248
11j15	Parley's Canyon Summit	6	0.448	0.415	0.262
11j16	Silver Lake-Brighton	3	0.506	0.489	0.434
11j21	Timpanogos Divide *	6	0.672	0.631	0.558
11j22	Hobble Creek Summit *	6	0.513	0.468	0.335
11j23	Daniels-Strawberry *	3	0.471	0.471	0.399
11j24	Beaver Creek R.S. *	4	0.548	0.517	0.469
11j25	Soapstone R.S. *	7	0.555	0.495	0.414
11k03	Mammoth-Cottonwood	2	0.421	0.400	0.356
11k05	Huntington-Horseshoe *	5	0.542	0.500	0.408
11k09	Seeley Creek	4	0.493	0.463	0.394
11k10	G.B.R.C. Meadows *	8	0.605	0.545	0.452
11l02	Gooseberry R.S. *	2	0.460	0.443	0.409
11l03	Fish Lake	3	0.547	0.524	0.481
12l06	Kimberley Mine *	2	0.597	0.584	0.556

12l07	Big Flat *	6	0.591	0.556	0.449
12l08	Otter Lake	2	0.511	0.541	0.451
12m03	Webster Flat	2	0.487	0.484	0.431
12m04	Duck Creek R.S.	2	0.438	0.417	0.379
12m05	Harris Flat **	3	0.421	0.390	0.332
12m07	Panguitch Lake	2	0.493	0.490	0.447
12m11	Yankee Reservoir *	8	0.594	0.522	0.399
<b>Mean</b>		<b>4</b>	<b>0.487</b>	<b>0.463</b>	<b>0.395</b>

\* Indicates significance at the 0.05 level. \*\* Indicates significance at the 0.1 level.

**Table S2:** Summary statistics for snow course reconstructions using only ITRDB and WADR tree-ring data over the calibration period (1930-1989).

Snow course station	Name	Number of parameters	model R <sup>2</sup>	model R <sup>2a</sup>	model R <sup>2cv</sup>
09j01	King's Cabin-Upper	6	0.498	0.444	0.362
09j03	Paradise Park	2	0.541	0.524	0.484
09j05	Mosby Mountain	5	0.574	0.534	0.475
09l01	Lasal Mountain-Lower	2	0.41	0.389	0.332
09m01	Buckboard Flat	2	0.473	0.47	0.415
10j01	Hole-in-Rock	3	0.377	0.343	0.298
10j04	Hewinta G.S.	2	0.181	0.15	0.09
10j08	Trial Lake	2	0.374	0.351	0.312
10j10	Lakefork #1	4	0.586	0.576	0.493
10k01	Indian Canyon	2	0.46	0.45	0.403
11h03	Tony Grove R.S.	2	0.207	0.178	0.12
11h07	Garden City Summit	3	0.311	0.274	0.214
11h12	Monte Cristo R.S.	2	0.252	0.229	0.171
11j04	Smith & Morehouse	8	0.517	0.441	0.321
11j06	Redden Mind-Lower	2	0.415	0.421	0.364
11j08	Strawberry Divide	2	0.375	0.352	0.297
11j10	Mill D-South Fork	3	0.232	0.187	0.132
11j15	Parley's Canyon Summit	6	0.448	0.381	0.262
11j16	Silver Lake-Brighton	6	0.466	0.405	0.311
11j21	Timpanogos Divide	3	0.576	0.551	0.497
11j22	Hobble Creek Summit	2	0.338	0.353	0.265
11j23	Daniels-Strawberry	2	0.421	0.4	0.363
11j24	Beaver Creek R.S.	2	0.363	0.387	0.295
11j25	Soapstone R.S.	3	0.376	0.356	0.296
11k03	Mammoth-Cottonwood	2	0.421	0.4	0.356
11k05	Huntington-Horseshoe	3	0.452	0.422	0.369
11k09	Seeley Creek	4	0.463	0.423	0.365
11k10	G.B.R.C. Meadows	4	0.453	0.414	0.337

11102	Gooseberry R.S.	3	0.404	0.373	0.317
11103	Fish Lake	9	0.623	0.552	0.449
12106	Kimberley Mine	4	0.495	0.455	0.401
12107	Big Flat	5	0.541	0.499	0.42
12108	Otter Lake	2	0.413	0.416	0.351
12m03	Webster Flat	2	0.487	0.47	0.431
12m04	Duck Creek R.S.	2	0.438	0.416	0.379
12m05	Harris Flat	2	0.391	0.37	0.328
12m07	Panguitch Lake	2	0.423	0.415	0.35
12m11	Yankee Reservoir	3	0.481	0.45	0.366
<b>Mean</b>		<b>3</b>	<b>0.427</b>	<b>0.401</b>	<b>0.336</b>



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