Safety is your responsibility!
Research rivers carefully!
Assess your skills properly!
Respect your limitations!
Maintain your equipment!
Consider your team!
Confirm team procedures!
Have fun!

The Down River Report

For Optimal Hyperlink Performance, Download PDF Report to your Computer

THE RIVER NIGHT SKY
4/29-full Moon; 5/6-Eta Aquariid shower 50/hr; 5/7-¾ Moon; 5/15-new Moon; 5/21-¼ Moon; 5/29-full Moon; 6/6-¾ Moon; 6/13-new Moon; 6/20-¼ Moon; 6/28-full Moon

NRCS Forecast Table 2018 Runoff 1 May 2018 Data Updated Early Each Month January - May

NOAA River Basin Forecast Centers

NRCS Water and Climate Update May 10, 2018 (Updated mid-day Thursdays)

NRCS SWE Map West US

NRCS WYTD Map West US

NRCS Snow-to-Flow(beta) | 6-10 Day Outlook | 8-14 Day Outlook | Three Month Outlooks | 4=WW Raster Hydrograph | 5=WW Daily Averages

Hyper-matrix (River/Weather/Snowpack Hyperlinks)

Underlined Rivers Hyperlink to USGS WaterWatch Detailed Statistical Analysis	5/1 Tue	5/2 Wed	5/3 Thu	5/4 Fri	5/5 Sat	5/6 Sun	5/7 Mon	5/8 Tue	5/9 Wed	5/10 Thu	5/11 Fri	5/12 Sat	5/13 Sun	5/14 Mon	5/15 Tue	5/16 06:29	Underlined states=>WW Map Underlined basins=>NRCS Map Underlined rivers=>Dreamgraphs	Too Low / Runnable / Serious!	Today's Historic Median	Today's Percent of Median	Two week change	Yesterday's two week up or down %	Two Week Trend units/day
Colorado; North to South 114 Snotel Sites@10188'	838 6.0 30 46 36.3	824 45.5 28 43 33.3	862 47.0 26 41 32.2	903 4.5 27 51 37.9	871 2.6 31 58 43.4	828 1.3 35 60 46.8	784 .7 38 61 48.5	741 .8 37 61 47.8	684 2.2 37 62 48.7	641 3.8 39 64 51.2	586 1.1 39 59 49.0	546 1.5 40 59 48.6	498 2.6 35 56 44.1	467 .7 32 56 42.8	448 2.8 33 59 45.2	Swe" Precip" MinF MaxF AvgF	Colorado	AWA Dream USGS	NRCS Forecast 2018 Runoff		-389.7	-86.9%	-33.75 0.88
Green River,Upper 13@8682'	117 110 110	109 109 116	120 109 103	121 109 87			109 107 103	91 106 91	85 106 89	80 106 90	78 107 90	80 108 88	86 112 90	85 112 87	87 112 81	86 112 75	Green River,Upper		Spring Creek Divide 9000' 21.9" -5.4" 98%				-2.84 | 0.11
Green,Lodore(III+,IV)Rs	1768	1792	1752	1747	1748	1766	1761	1788	1743	1750	1747	1851	1904	1831	1782	1180	Green,Lodore(III+,IV)Rs		2010	59%	14	1%	5.2
Green,Echo Park(Jensen)(III+,IV)	8185	8678	7897	7135	6857	6675	6697	7459	8474	9038	9692	9813	10436	10242	9745	9500	Green,Echo Park(Jensen)(III+,IV)		10500	90%	1560	19%	209.7
Yampa and White 20@9222'	74 84 114	75 84 107	76 84 96	82 87 88			71 84 81	68 84 98	65 83 108	62 83 106	58 83 106	56 83 118	54 82 116	52 82 110	52 81 101	50 81 92	Yampa and White		Rabbit Ears 9400' 9.9" -9.5" 51%				-1.87 | -0.20
White,Rangely(II)	883	811	773	747	680	701	839	1011	1193	1251	1340	1477	1384	1322	1203	1130	White,Rangely(II)		1419	80%	319	36%	52.5
Yampa,Cross Mtn(IV,V)	5076	4331	3812	3758	3582	3722	4449	5349	5759	6344	6474	6993	6699	6328	6144	5570	Yampa,Cross Mtn(IV,V)		6010	93%	1068	121%	221.7
Yampa,Deerlodge(III,,III+)	6814	6493	5520	4939	4777	4514	5071	6277	6989	7796	8095	8610	8715	8286	7989	7630	Yampa,Deerlodge(III,,III+)		7420	103%	1175	17%	243.1
N Platte 12@9766'	87 99 53	87 99 54	89 100 57	95 104 58			86 101 48	83 100 60	80 99 64	76 99 93	71 99 93	68 98 105	64 98 122	66 97 129	65 97 123	62 96 113	N Platte		Tower 10500' 32.8" -11.3" 66%				-1.90 | -0.21
N Platte,Northgate(II,IV-)	536	561	571	580	581	533	569	651	692	752	788	853	977	1025	997	949	N Platte,Northgate(II,IV-)		841	113%	461	86%	36.8
Colorado 31@10059'	72 85 91	71 85 85	73 85 81	77 88 72			75 88 68	74 87 72	72 87 89	70 86 90	67 86 90	65 86 110	64 85 112	63 85 107	62 84 92	61 84 89	Colorado,Headwaters		Berthoud Summit 11300' 10.4" -5.6" 54%				-0.77 | -0.05
Eagle,Avon(Dowd Chute)(III,IV,V)	597	502	473	420	436	507	642	830	1064	1151	1384	1393	1406	1297	1200	1300	Eagle,Avon(Redcliff)(III,IV,V)		995	131%	603	101%	78.9
Eagle,Gypsum(II,III+)	795	715	688	611	599	653	774	914	1206	1295	1595	1659	1667	1518	1374	1520	Eagle,Gypsum(II,III+)		1140	133%	579	73%	81.0
Roaring Fk,Cemetary(II,III)	893	845	813	745	697	789	963	1075	1489	1486	1805	1784	1678	1682	1699	1960	Roaring Fk,Cemetary(II,III)		1930	102%	805	90%	87.1
Blue,Blue River CG(II+,III,IV-)Đ	100	101	101	101	101	101	101	101	101	101	101	101	101	101	158	203	Blue,Blue River CG(II+,III,IV-)Đ		193	105%	58	57%	1.4
Blue,Green Mtn(III)Đ	143	145	147	148	146	146	146	146	147	146	147	144	143	146	147	148	Blue,Green Mtn(III)Đ		337	44%	4	3%	0.0
Colorado,Pumphouse(II+,III)	740	708	686	685	681	687	659	704	809	896	1020	1291	1342	1274	1085	1010	Colorado,Pumphouse(II+,III)		1390	73%	344	47%	46.8
Colorado,Shoshone[Dotsero](III-,IV,V)	2274	2156	2056	1967	1933	2004	2217	2454	2942	3202	3599	3926	4083	3981	3630	3470	Colorado,Shoshone[Dotsero](III-,IV,V)		4079	85%	1356	60%	166.2
Colorado,Ruby-Horsethief(I,II+)	3993	4093	3971	3882	3609	3253	3367	3951	4644	5750	6345	7420	8148	8262	8140	7860	Colorado,Ruby-Horsethief(I,II+)		12300	64%	4146	104%	369.8
Colorado,Westwater(III+,IV+)	3993	4093	3971	3882	3609	3253	3367	3951	4644	5750	6345	7420	8148	8262	8140	7860	Colorado,Westwater(III+,IV+)		12300	64%	4146	104%	369.8
Gunnison 16@10353'	41 61 58	41 61 51	42 61 47	44 62 46			39 62 45	38 61 46	33 61 53	32 61 55	30 61 55	29 61 61	28 60 61	27 60 58	27 60 59	25 60 47	Gunnison		Schofield Pass 10700' 14.8" -9.8" 56%				-1.19 | -0.07
Taylor,Lower(Almont)(II,III+)	205	201	199	201	199	213	224	231	262	271	291	287	304	294	286	289	Taylor,Lower(II,III+)		458	63%	80	39%	8.6
Gunnison[Gunnison](II,III)	541	475	414	370	382	488	597	672	912	940	1101	999	979	990		995	Gunnison[Gunnison](II,III)		1460	68%			56.9
Gunnison, Gorge(III,IV)Đ	603	604	604	605	604	605	605	604	603	604	604	604	605	849	808	601	Gunnison, Gorge[Tunnel](III,IV)Đ		2220	27%	205	34%	10.4
Gunnison,Delta(II-,III-)	1015	954	950	919	868	913	1031	1149	1354	1392	1487	1917	1853	1886	1780	1280	Gunnison,Delta(II-,III-)		4050	32%	765	75%	80.7
Arkansas 9@10722'	45 66 131	44 66 128	46 62 130	43 64 122			38 63 141	59* 66 158	56* 66 178	37 66 199	34 67 199	38* 67 218	39* 67 234	39* 67 243	39* 72* 232	40* 71* 240	Arkansas		Fremont Pass 11400' 16.7" -3.2" 92%				-0.97 | 0.13
Arkansas,Numbers(III,IV)	501	502	494	514	609	687	774	856	997	1073	1212	1262	1362	1410	1515	1650	Arkansas,Numbers(III,IV)		540	306%	1014	203%	81.0
Arkansas,Browns(III,IV-)	541	551	538	531	610	700	760	855	992	1077	1236	1270	1366	1406	1450	1590	Arkansas,Browns(III,IV-)		690	230%	909	168%	76.6
Arkansas,Gorge(III,IV)	591	596	605	588	585	676	745	841	971	1134	1271	1396	1409	1494	1503	1550	Arkansas,Parkdale(Gorge)((III,IV)		836	185%	912	154%	79.4
S Platte 22@10226'	79 96 63	77 96 68	82 98 523	86 101 116			83 100 51	81 99 52	78 99 56	76 98 59	72 98 59	69 97 98	65 97 118	64 97 159	63 96 119	62 96 82	S Platte		Hoosier Pass 11400' 9.6" -5.8" 81%				-1.24 | -0.05
S Platte,Union Chutes(III)Đ	38	52	295	119	61	49	47	50	41	41	40	34	35	46	50	69	S Platte,Union Chutes(III)Đ		194	36%	12	31%	-6.0
S Platte,Confluence Pk(II,III)Đ	53	116	1043	90	10	8	6	6	6	6	7	6	5	255	11	7	S Platte,Confluence Pk(II,III)Đ		188	3.60E-02	-42	-80%	-17.8
NF S Platte,Bailey[1](IV,V)Đ	205	198	164	120	123	128	135	178	260	263	281	277	280	272	263	274	NF S Platte,Bailey[1](IV,V)Đ				58	28%	10.5
Bear Ck[1](III,IV,V)	21	24	62	57	50	49	48	45	44	38	38	38	37	40	43	37	Bear Ck[1](III,IV,V)				22	108%	0.0
Clear Ck,Golden(III,IV,V)	140	148	181	153	147	150	143	158	198	233	305	360	413	417	392	410	Clear Ck,Golden(III,IV,V)		225	182%	251	179%	21.6
Boulder Ck, Lower(II,III,IV,V)	50	84	249	138	112	93	92	92	112	144	211	307	371	421	270	151	Boulder Ck, Lower(II,III,IV,V)		144	105%	220	443%	18.8
Poudre,Rock Report(feet)[3]	1.40	1.40	1.70	1.70	1.70	1.90	2.00	2.25	2.80	2.90	3.25	3.50	3.75				Poudre,Rock Report(feet)[3]				-1	-100%	0.20
Poudre,Lower[1](II,III,IV,V)	269	251	311	325	364	427	497	545	695	784	1066	1455	1726	1604	1422	1490	Poudre,Lower[1](II,III,IV,V)				1153	428%	110.0
W San Juan Mtns 18@10405'	14 45 55	15 45 46	19 48 45	21 48 40			14 48 41	14 48 39	11 47 50	11 47 48	10 48 48	9 47 51	8* 47 51	7* 47 49	5 47 43	5 47 42	W San Juan Mtns		Molas Lake 10500' 0" 0" 0%				-0.77 | 0.08
Piedra(III,IV,V)	406	332	299	262	270	318	351	404	551	559	653	571	533	481	448	480	Piedra(III,IV,V)		1170	41%	43	11%	19.4
Animas,Silverton(IV,V)																Rat	Animas,Silverton(IV,V)		566				
Animas,Durango(III,III+)	623	530	459	382	369	413	559	768	1243	1332	1677	1441	1391	1279	1191	1300	Animas,Durango(III,III+)		2020	64%	568	91%	85.0
San Juan,Archuletta(II)Đ	747	679	679	678	678	678	649	536	515	432	428	398	393	397	398	391	San Juan,Archuletta(II)Đ		750	52%	-349	-47%	-28.8
San Juan,Bluff,UT(II,III)	889	939	1060	928	920	827	711	638	620	644	787	1109	1329	1236	1169	1080	San Juan,Bluff,UT(II,III)		3580	30%	280	32%	17.7
Dolores,McPhee[1](II+,III,IV)Đ	40.8	40.9	40.9	40.9	40.9	40.9	41.3	40.6	40.1	40.1	40.1	40.3	40.6	40.7	40.3	40.1	Dolores,McPhee[1](II+,III,IV)Đ				0	-1%	0.0
Doloras,[Placerville][Stateline](IV)	121	130	135	137	138	134	119	103	110	152	229	261	292	262	256	239	Doloras,[Placerville][Stateline](IV)		1160	21%	135	112%	11.9
Arizona 39 Snotel Sites@8104'	. 4.3 33 57 42.3	1. 6.1 30 44 35.1	2.2 5.9 28 54 39.8	1.7 .2 36 63 48.7	3.2 .1 41 70 55.2	3.3 .4 46 73 58.6	3.3 .0 49 73 59.2	3.1 .0 49 77 61.6	3.2 .2 53 77 62.6	3.4 .3 49 75 62.1	3.5 .6 48 69 58.4	3.4 .4 46 63 52.7	3.4 .5 40 63 50.3	3.2 .1 39 65 51.6	3.3 .1 40 69 53.9	Swe" Precip" MinF MaxF AvgF	Arizona	AWA Dream USGS	NRCS Forecast 2018 Runoff		3.3	0.0%	0.13 0.96
Verde River Basin	* 32 56	* 30* 61	* 41* 73	* 37* 76			* 37 73	* 37 68	* 37 65	* 37 61	* 36 *	* 37 56	* 36 57	* 37 60	* 36 58	* 36 58	Verde River Basin		Mormon Mtn Summit 8500' 0" 0" *%				0.00 | 0.21
Verde,Camp Verde(I-V)	57	62	71	70	66	61	56	53	51	48	46	42	42	45	42	39	Verde,Camp Verde(I-V)		94	41%	-15	-27%	-2.0
Verde,Abv Horseshoe Reservoir(I-III)	102	115	127	136	138	134	126	118	111	105	100	97	93	91	91	97	Verde,Abv Horseshoe Reservoir(I-III)		131	74%	-11	-11%	-2.6
Salt-White Mtns	* 29 15	* 29 15	* 29 15	* 34* 15			* 28* 16	* 28* 16	* 30 16	* 30 16	* 30 *	* 30 16	* 30 17	* 30 16	* 30 18	* 30 18	Salt-White Mtns		Hannagan Meadows 9020' 0.3" .3" *%				0.00 | 0.03
Salt(III,IV)	106			112	110	113	111	108	104	100	100	101	99	95	95	92	Salt(III,IV)		520	18%	-12	-11%	-1.3
California(SNOTEL only) 75 Snotel Sites@7075'	281 1.6 30 46 36.4	276 .2 29 51 39.9	265 .5 32 59 45.1	247 .1 37 62 48.9	229 .1 39 60 49.2	215 .1 41 59 49.8	198 .0 37 66 52.0	180 .0 41 68 53.9	161 .0 40 59 49.3	144 .0 36 59 47.1	131 .5 31 48 39.3	125 2.3 31 49 38.5	122 2.7 35 53 43.0	117 2.6 36 56 44.5	110 2.2 36 56 44.4	Swe" Precip" MinF MaxF AvgF	California	AWA Dream USGS	NRCS Forecast 2018 Runoff		-171.3	-155.6%	-13.67 -0.02
Lake Tahoe	41 98 *	41 98 *	38 98 *	45* 98 *			20 97 *	14 97 *	8 97 *	4 96 *	0 96 *	0 96 *	0 96 *	1 97 *	0 97 *	0 97 *	Lake Tahoe		Echo Peak 7653' 0" -7.5" 0%				-3.56 | -0.13
Idaho 82 Snotel Sites@7111'	1293 7.2 30 47 36.9	1285 1.6 30 54 40.9	1258 1.8 33 60 45.7	1213 1.5 38 64 49.9	1156 1.6 40 64 51.0	1104 7.2 41 69 53.0	1040 3.5 39 60 48.5	986 1.6 38 68 51.9	936 9.2 40 62 49.7	898 6.1 35 55 43.6	871 16.9 34 46 38.5	866 18.3 35 52 42.6	845 4.9 36 57 44.9	810 3.8 37 64 49.6	772 4.3 39 66 51.2	Swe" Precip" MinF MaxF AvgF	Idaho	AWA Dream USGS	NRCS Forecast 2018 Runoff		-520.7	-67.4%	-40.43 0.23
Bruneau(II+,IV+)	569	512	460	421	414	460	548	657	702	757	763	723	652	590	562	523	Bruneau(II+,IV+)		1120	47%	-7	-1%	15.7
Snake,Hell's Canyon(III,IV)Rs	21342	21515	21713	22018	21047	21083	20780	16323	17491	19055	17213	16479	15935	17995	24210	23000	Snake,Hell's Canyon(III,IV)Rs		---		2869	13%	-253.3
Clearwater 16@5429'	141 122 161	141 122 140	141 122 127	139 125 132			138 124 246	136 121 227	137 120 253	134 121 299	135 121 299	137 121 194	136 121 183	134 120 169	133 120 185	132 119 205	Clearwater		Lolo Pass 5240' 13.6" -14.5" 149%				-0.51 | -0.17
Lochsa(II-IV+)	9307	8604	8410	9742	12384	14653	19074	17271	18990	20891	17890	14885	14899	15107	16658	19200	Lochsa(II-IV+)		9530	201%	7351	79%	615.7
Selway,Paradise(IV-,V)(feet)																	Selway,Paradise(IV-,V)(feet)				0		
Selway,Selway Falls(IV-,V)	13678	12200	11403	12919	16720	20141	26146	23906	26888	31232	25202	20308	19816	19688	22224	26400	Selway,Selway Falls(IV-,V)		12600	210%	8546	62%	802.6
Salmon 22@7418'	107 102 227	109 102 194	110 102 174	117 105 176			100 101 234	97 100 247	94 100 263	93 100 276	93 100 276	96 100 237	96 101 207	96 101 191	95 100 169	93 100 169	Salmon		Deadwood Summit 6860' 25.1" -12.7" 86%				-1.17 | -0.18
SF Salmon(III-V)	1836	1692	1670	1799	2086	2418	2819	2901	3114	3147	2725	2350	2274	2262	2371	2660	SF Salmon(III-V)		1630	163%	535	29%	57.3
MF Salmon,Lodge(III,IV,IV+)	5438	5083	5357	6063	7170	7974	9203	9693	10132	10433	9074	7699	6962	6870	7175	7800	MF Salmon,Lodge(III,IV,IV+)		4170	187%	1737	32%	175.0
MF Salmon,Lodge(III,IV,IV+)(feet)	4.95	4.78	4.91	5.23	5.70	6.03	6.50	6.68	6.83	6.94	6.45	5.92	5.62	5.58	5.71	5.96	MF Salmon,Lodge(III,IV,IV+)(feet)		4170		0.76	15%	0.1
MF Salmon,Mouth(III,IV,IV+)	10431	9317	9083	9624	11449	13534	16540	17714	18169	19474	17478	14526	12543	11949	12363	13500	MF Salmon,Mouth(III,IV,IV+)		7760	174%	1932	19%	349.4
Panther Ck, Cobalt(III)	303	262	252	289	369	503	682	747	842	857	780	623	532	518	547	661	Panther Ck, Cobalt(III)		447	148%			
M Salmon,Shoup(III,IV)	7200	6357	5707	5567	6231	7422	9001	10478	11599	12791	12910	11707	10471	9579	9176	9500	M Salmon,Shoup(III,IV)		5390	176%	1976	27%	410.4
M Salmon,Corn Ck(III,IV)	17934	15936	15042	15480	18049	21460	26223	28939	30610	33122	31169	26857	23546	22046	22085	23661	M Salmon,Corn Ck(III,IV)		13150		4151	23%	788.6
M Salmon,White Bird(III,IV)	37321	32521	29697	30191	34791	41646	50527	55263	59860	65515	62747	54868	49711	46655	47282	49600	M Salmon,White Bird(III,IV)		30100	165%	9961	27%	1765.2
Henrys Teton 8@7683'	120 110 *	122 110 *	123 110 *	124 110 *			119 110 *	116 108 *	113 107 *	110 107 *	108 108 *	107 108 *	107 108 *	107 108 *	107 107 *	106 106 *	Henrys Teton		Grand Targhee 9260' 48.2" 48.2" 108%				-1.16 | -0.19
Montana 90 Snotel Sites	1991 11.2 31 47 36.2	1945 3.4 29 51 38.8	1924 3.5 32 57 43.9	1881 2.1 36 62 47.4	1823 1.9 38 60 46.4	1774 6.4 38 68 49.5	1711 4.0 37 56 44.9	1655 5.3 36 63 47.9	1587 18.7 37 61 47.3	1534 20.2 35 55 42.6	1483 27.6 33 44 37.0	1477 10.7 32 51 39.9	1452 8.1 34 57 43.6	1421 6.9 36 63 47.2	1384 7.1 38 68 51.2	Swe" Precip" MinF MaxF AvgF	Montana	AWA Dream USGS	NRCS Forecast 2018 Runoff		-607.5	-43.9%	-46.40 0.30
Flathead	161 130 222	160 129 197	160 130 181	173 130 195			151 128 305	149 127 318	142* 127 329	141* 128 309	139* 128 309	139* 128 255	136* 128 216	134* 128 221	132* 127 227	130* 127 230	Flathead		Noisy Basin 6040' 60.6" -9.2" 150%				-2.32 | -0.18
MF Flathead(III+,IV+)	10835	9825	9559	11600	14640	16003	18447	20372	21884	21313	20479	17299	15723	16308	18341	20600	MF Flathead(III+,IV+)		8940	230%	7505	69%	630.8
Smith	143 114 249	144 114 222	143 114 196	147 115 163			123 112 265	117 112 284	110 111 296	107 113 380	99 115 380	98 116 512	96 115 425	95 116 364	93 116 315	89 116 326	Smith		Spur Park 8100' 23.9" -4.7" 115%				-4.13 | 0.08
Smith(II)	892	808	754	763	816	921	1179	1285	1343	1879	2317	2177	1869	1600	1458	1430	Smith(II)		438	326%	565	63%	94.7
Nevada(SNOTEL only)	105 3.4 28 44 35.4	107 1.8 30 48 38.2	104 .5 33 57 44.9	94.2 .4 39 63 51.0	83.6 .1 43 65 54.0	73.6 .0 44 66 55.6	62.6 .0 42 66 54.2	51.9 .2 43 70 57.6	41.4 .2 46 66 56.3	34.6 .4 40 62 51.0	30.6 8.7 30 45 37.2	30.6 15.1 29 43 35.4	33.5 15.2 34 46 38.7	35.7 5.3 35 51 42.1	34.6 4.6 37 54 44.6	Swe" Precip" MinF MaxF AvgF	Nevada	AWA Dream USGS	NRCS Forecast 2018 Runoff		-70.7	-204.3%	-6.38 -0.23
Lake Tahoe	41 98 *	41 98 *	38 98 *	45* 98 *			20 97 *	14 97 *	8 97 *	4 96 *	0 96 *	0 96 *	0 96 *	1 97 *	0 97 *	0 97 *	Lake Tahoe		Echo Peak 7653' 0" -7.5" 0%				-3.56 | -0.13
New Mexico 27 Snotel Sites	5.3 .3 39 55 45.6	5.5 3.0 32 50 38.4	6. 1.5 30 46 35.8	5.8 1.6 34 56 42.7	5.8 1.4 39 63 49.3	5.6 .7 45 65 53.3	5.6 .6 49 68 56.0	5.1 .3 49 70 57.4	4.7 .2 48 71 58.1	4. .6 50 71 58.8	3.4 .3 52 67 57.0	2.5 .2 48 66 55.0	1.9 .3 44 63 51.6	1.5 .2 43 63 51.2	1.3 .1 45 65 52.4	Swe" Precip" MinF MaxF AvgF	New Mexico	AWA Dream USGS	NRCS Forecast 2018 Runoff		-4.0	-307.7%	-0.35 1.03
San Francisco,Glenwood(II,III)	22.0	20.7	20.9	22.4	22.8	22.1	22.7	22.5	23.0	23.2	23.3	24.3	23.2	24.6	25.1	21.6	San Francisco,Glenwood(II,III)		31	70%	3	14%	0.2
San Francisco,Clifton(II+)	26.6	25.4	29.0	28.7	25.7	24.3	26.5	25.1	24.0	21.3	20.4	15.2	15.9	15.7	17.2	15.7	San Francisco,Clifton(II+)		72	22%		-35%	-1.0
Gila, Datile Volcanic Field	* 41 35	* 41 35	* 38 35	* 39 33			* * 34	* * 32	* 41 29	* 41 27	* 41 27	* 41 36	* 41 35	* 41 34	* 41 31	* 40 30	Gila		Silver Creek Divide 9000' 0" 0" *%				0.00 | 0.04
Gila,Wilderness Run(II,III)	45.8	45.0	43.9	43.8	42.2	41.4	39.2	37.3	33.4	31.9	32.7	30.4	28.7	27.7	25.3	23.5	Gila,Wilderness Run(II,III)		87	27%	-21	-45%	-1.5
Gila, Middle Box(II,III+)	46	47	46	44	44	41	38	35	33	31	38	39	38	33	34	28	Gila, Middle Box(II,III+)		88	32%	-13	-27%	-1.0
Chama	0 46 69	0 46 69	2 46 67	2 46 66			0 47 82	0 47 83	0 47 74	0 46 76	0 47 76	0 46 64	0 46 64	0* 46 74	0* 46 97	0* 46 103	Chama		Chamita 8400' 0" 0" *%				-0.05 | 0.01
Chama, El Vado(I,II,III)Đ			598	639	701	701	700	700	699	699	698	698	696	755	819	813	Chama, El Vado(I,II,III)Đ		792	103%			10.3
Rio Grande 16@10765'	14 51 26	13 51 24	17 52 23	20* 54* 27			13 53 22	12 53 20	9 53 20	8 53 22	8* 52 22	6* 52 23	2* 52 25	1* 52 33	1* 52 36	1* 53 35	Rio Grande		Wolf Creek Summit 11000' -M " -11.9" *%				-1.05 | 0.02
NF Rio Grande, Wagon Wheel(II)[1]	942	876	792	732	699	609	766	1018	1438	1625	1719	1515	1253	1242	1318	1440	NF Rio Grande, Wagon Wheel(II)[1]				377	40%	57.3
Rio Grande, Birds of Prey(II,III)	107	104	105	119	116	117	112	101	104	111	123	132	190	235	237	223	Rio Grande, Birds of Prey(II,III)		540	41%	130	121%	7.7
Rio Grande, Lw Box(III,IV)	237	226	232	243	249	239	241	238	232	234	238	258	257	319	340	349	Rio Grande, Lw Box(III,IV)		1240	28%	103	44%	5.1
Oregon 81 Snotel Sites	558 1.2 31 47 37.9	545 1.8 33 59 45.4	523 1.4 38 65 50.9	494 .7 41 65 51.9	465 1.0 44 65 53.1	441 4.8 42 61 50.1	418 .9 40 65 51.6	396 11.8 43 70 53.8	370 5.8 41 56 47.5	350 11.2 36 49 41.6	335 7.6 33 47 39.9	327 .8 38 61 48.9	305 .5 41 67 54.0	278 1.1 43 70 55.9	252 12.5 44 69 54.7	Swe" Precip" MinF MaxF AvgF	Oregon	AWA Dream USGS	NRCS Forecast 2018 Runoff		-306.8	-122.0%	-21.86 0.44
Deschutes, Lower(III,III+)	5277	5207	4960	4854	4965	5100	5195	5185	5350	5387	5395	5231	5157	5122	5094	5050	Deschutes, Lower(III,III+)		6300	80%	-183	-3%	9.7
Grande Ronde(II,III,+)	6904	6391	6064	6118	6678	7352	7877	7842	8968	9162	8114	7208	6838	6780	6889	6900	Grande Ronde(II,III,+)		6700	103%	-15	0%	69.6
John Day 13@5462'	2* 87 71	2* 87 61	1* 86 53	3* 86 51			4* 86 59	6* 85 61	7* 87 58	48* 86 70	25* 85 70	100* 86 58	* 86 54	* 85 50	* 85 46	* 85 44	John Day		Arbuckle Mtn 5770' 0" 0" *%				4.82 | -0.11
John Day(II,III)	3287	2855	2516	2361	2361	2516	2750	2690	2707	3195	2864	2557	2225	2059	1927	1870	John Day(II,III)		4270	44%	-1360	-41%	-43.4
Owyhee 8@6518'	15* 85 28	17* 85 29	16* 85 31	14* 84 31			0* 83 26	0* 83 26	2* 83 25	1* 83 23	0* 82 23	3* 83 22	6* 84 19	5* 85 20	2* 85 23	2* 85 23	Owyhee		South Mtn. 6500' 0.1" .1" *%				-1.04 | -0.10
Owyhee(II-V)	516	512	530	531	503	458	440	415	385	364	336	311	293	290	298	292	Owyhee(II-V)		1250	23%	-218	-42%	-20.2
Rogue,Umpqua 12@5268'	50 80 94	49 80 89	47 80 84	53* 79 81			40 79 80	38 79 76	36 79 73	33 79 74	31 78 74	31 78 72	29 78 72	28 78 70	27 78 70	27 78 69	Rogue,Umpqua		Summit Lake 5610' 26.7" -8.4" 65%				-1.80 | -0.16
Illinois(IV,V)	924	865	823	809	795	784	754	717	699	662	614	580	557	540	528	555	Illinois(IV,V)		799	69%	-396	-43%	-27.9
Rogue(II+,III,IV)	4886	4596	4325	4157	4075	4109	4101	4034	3981	3888	3807	3805	3767	3729	3616	3500	Rogue(II+,III,IV)		5050	69%	-1270	-26%	-70.2
Utah 128 Snotel Sites	357 20.2 26 45 33.8	364 52.9 29 41 33.9	399 3.4 31 49 38.6	369 .3 31 58 44.4	332 .0 36 62 49.4	298 .2 42 65 53.6	245 .2 42 65 53.3	217 .1 40 66 52.9	185 .3 45 68 56.0	156 2.2 43 63 52.2	140 41.0 35 51 42.6	146 21.0 31 47 38.5	146 7.0 30 52 39.9	142 10.1 33 55 42.5	139 2.9 35 59 46.5	Swe" Rain" MinF MaxF AvgF	Utah	AWA Dream USGS	NRCS Forecast 2018 Runoff		-217.9	-156.9%	-21.20 0.37
Dirty Devil	0* 64 54	2 66 57	8 69 52	6 69 145			2* 68 75	0* 68 69	2* 68 60	3* 67 60	6* 67 60	0* 67 48	0* 67 41	* 67 36	* 67 35	* 66 29	Dirty Devil		Dills Camp 9228' 0" 0" *%				-0.09 | 0.12
Muddy Ck(I,II,III)	19.47	21.05	19.84	19.39	20.09	22.26	23.60	25.00	29.27	31.63	34.14	35.14	32.73	30.92	29.82	29.00	Muddy Ck(I,II,III)		82	35%			
Dirty Devil(I,I+)	29.53	30.78	36.98	111.72	83.47	62.07	51.24	39.71	31.33	23.23	17.50	14.77	13.45	11.50	10.06	11.00	Dirty Devil(I,I+)		47	23%	-19	-66%	-3.8
Escalante	3 54 42	5 57 62	16 60 58	19 62 38			10* 61 39	12* 61 44	18* 60 47	26* 60 40	30* 60 40	46* 60 38	67* 60 39	200* 60 38	* 59 21	* 60 31	Escalante		Clayton Springs 10049' 0" 0" *%				7.25 | 0.25
Escalante(II,III)	2.49	2.82	2.79	2.44	2.53	2.31	2.27	2.15	2.07	2.04	1.96	1.96	1.95	1.96	1.95	1.95	Escalante(II,III)		6	31%	-1	-22%	-0.1
Green River,Lower 11@	64 82 85	67 82 89	75 85 92	75* 83* 91			69 84 100	66* 83 87	64* 83 76	60* 82 70	58* 82 70	65* 87 69	65* 89 75	62* 88 77	62* 88 76	62* 88 77	Green River,Lower		Indian Creek 9425' 14.4" -5.8" 69%				-0.42 | 0.39
Green,Flaming Gorge(I,II,III)Rs	1768	1792	1752	1747	1748	1766	1761	1788	1743	1750	1747	1851	1904	1831	1782	1180	Green,Flaming Gorge(I,II,III)Rs		2010	59%	14	1%	5.2
Green,Lodore(III+,IV)Rs	1768	1792	1752	1747	1748	1766	1761	1788	1743	1750	1747	1851	1904	1831	1782	1180	Green,Lodore(III+,IV)Rs		2010	59%	14	1%	5.2
Green,Echo Park[Jensen](III+,IV)	8185	8678	7897	7135	6857	6675	6697	7459	8474	9038	9692	9813	10436	10242	9745	9500	Green,Echo Park[Jensen](III+,IV)		10500	90%	1560	19%	209.7
Green,Deso Gray(II+,III)	6835	7576	8163	8611	8721	7873	7154	6828	6534	6720	7803	8961	9688	10149	10643	11100	Green,Deso Gray(II+,III)		12900	86%	3808	56%	162.3
Green,Labyrinth(I)	6542	6983	8043	8566	9180	9301	8258	7498	7156	6874	6986	8091	9453	10465	11025	11500	Green,Labyrinth(I)		12000	96%	4483	69%	160.3
Green,Stillwater(I)	6542	6983	8043	8566	9180	9301	8258	7498	7156	6874	6986	8091	9453	10465	11025	11500	Green,Stillwater(I)		12000	96%	4483	69%	160.3
Colorado,Potash(I)	3477	3990	4190	4046	3951	3736	3358	3375	3904	4626	5829	6527	7741	8459	8520	8430	Colorado,Potash(I)		16200	52%	5043	145%	349.1
Colorado,Cataract(IV,V)	10019	10974	12233	12613	13130	13037	11616	10873	11060	11499	12815	14618	17194	18924	19545	19930	Colorado,Cataract(IV,V)		28200		9526	95%	509.4
Washington	2108 2.6 35 48 40.5	2075 1.1 36 59 46.5	2033 .8 41 63 50.5	1978 .6 40 59 47.8	1919 2.0 41 60 49.5	1868 8.5 44 63 50.6	1812 1.0 43 62 50.4	1750 14.0 44 67 52.8	1688 18.7 39 51 44.5	1636 19.9 36 46 39.8	1604 2.6 36 52 43.4	1566 1.1 41 64 52.0	1514 .3 46 70 57.3	1451 .5 50 72 59.3	1375 1.1 48 71 58.2	Swe" Precip" MinF MaxF AvgF	Washington	AWA Dream USGS	NRCS Forecast 2018 Runoff		-733.0	-53.3%	-52.33 0.73
Wenatchee Headwaters	118 114 *	119 114 *	121 113 *	113 113 *			119 113 *	118* 113 *	117* 113 *	117* 113 *	117* 113 *	117* 113 *	116* 113 *	113* 112 *	111* 112 *	108* 112 *	Wenatchee		Stevens Pass 3950' 25.6" -19.2" 127%				-0.29 | -0.10
Wyoming 89 Snotel Sites	1326 11.3 25 45 33.2	1326 7.1 26 48 35.2	1322 5.3 27 51 38.0	1300 5.0 30 57 43.3	1254 1.9 35 60 46.2	1202 2.1 37 64 49.4	1143 .8 36 62 48.8	1080 .8 34 60 46.4	1021 4.8 36 64 49.1	963 5.7 36 57 45.4	919 26.6 33 47 38.7	916 28.4 33 48 38.6	911 4.5 31 53 40.1	875 7.0 31 54 41.1	822 7.9 31 60 45.2	Swe" Precip" MinF MaxF AvgF	Wyoming	AWA Dream USGS	NRCS Forecast 2018 Runoff		-504.6	-61.4%	-40.82 0.29
Bighorn(I+)	7610	7611	7611	7610	7606	7606	7610	7610	7611	7605	7612	7612	7611	7612	7791	8130	Bighorn(I+)		2870	283%	181	2%	4.6
Snake	126 111 264	124 111 217	128 111 184	125 108 192			119 110 233	113 108 253	109 108 274	106 108 293	104 108 293	105 109 285	107 110 286	107 109 245	107 109 233	107 109 231	Snake		Lewis Lake Divide 7850' 31.3" -12" 124%				-1.65 | -0.12
Snake,Alpine Canyon(III)	11099	10013	9508	9957	11152	12578	14627	16973	18608	19500	20394	19977	19299	17777	17598	17600	Snake,Alpine Canyon(III)		7630	231%	6499	59%	809.5
Green River,Upper 13@8682'	117 110 *	109 109 *	120 109 *	121 109 *			109 107 *	91 106 *	85 106 *	80 106 *	78 107 *	80 108 *	86 112 *	85 112 *	87 112 *	86 112 *	Green River,Upper		Spring Creek Divide 9000' 21.9" -5.4" 98%				-2.84 | 0.11
Texas																	Texas	AWA USGS					
Rio Grande,Rio Grande Village(I-III)	61	60	58	57	59	60	57	54	52	53	52	52	51	51	49	50	Rio Grande,Rio Grande Village(I-III)		148	34%	-12	-19%	-0.9
Grand Canyon Rs		May 2017 8,000 14,000	Jun 2017 9,000 17,000	Jul 2017 9,500 17,500	Aug 2017 10,000 18,000	Sep 2017 8,500 14,500	Oct 2017 7,300 13,000	Nov 2017 8,030 13,700	Dec 2017 7,300 14,000	Jan 2018 9,100 16,850	Feb 2018 10,500 13,900	Mar 2018 7,200 16,000	Apr 2018 8,650 15,000	May 2018 7,900 14,250 Bug Flow!	Jun 2018 8,850 16,450 Bug Flow!	Jul 2018 10,180 18,180 Bug Flow!	Grand Canyon, Lee's FerryRs		Bureau of Reclamation Glen Canyon Dam Operations Report May 10, 2018(Updated mid-month)				
Grand Canyon Rs														Bug Flow Experiment Document	Bug Flow Experiment Document	Bug Flow Experiment Document	Grand Canyon,Abv Diamond CkRs		Mar 2018 7,200 16,000	Apr 2018 8,650 15,000	May 2018 7,900 14,250 Bug Flow!	Jun 2018 8,850 16,450 Bug Flow!	Jul 2018 10,180 18,180 Bug Flow!

Start Time: 6:29:22 AM End: 7:19:25 AM Elapsed time: 50.05 Hyperlinks: 1698

The Down River Report summarizes the two most recent weeks of weather, snowpack and river flow data of interest to Western River runners(California and Washington only minimally represented). The data is color coded to optimize rapid assimilation of the information. Historical comparisons of snow pack and flows are included. With little imagination, the data permits near future empirical predictions of flows across the Western US. Runnability determinations are based on in-depth research and personal experience. Enhancements to the report are nearly daily with many features planned for future releases. Feedback is welcomed and will be properly acknowledged.

Increase in flow	>0%	>10%	>20%	>30%	from previous day or long term average
Decrease in flow	>0%	>10%	>20%	>30%	

"Runnability" is based on extensive research of published/online sources and personal experience. "Runnability" has not yet been completely automated and determinations are still evolving. Feedback is welcomed. The color codes in three columns attempts to express as broad a range of status as possible. Black indicates too low. Green indicates runnable. Red indicates to high for average fun; or flows considered unsafe except for true experts or the suicidal. If you wonder if you are a true expert or want to be, this is not the right time to roll the dice; or, it is the right time if you are suicidal. Combinations of colors express fringes of runnable. A special status of "Too Low-Runnable" with an "S" means "scratchy or self-support or sucks" depending on who your are. While many people have considered it a desparate act to have fun(probably), but I or others have had delightful times on almost all of the rivers denoted "S" at the current low flow.

The Hyper-matrix is a matrix of hyper links designed to provide instant access to the best available on-line information concerning the river on which a link appears.

Data Hyperlinks and acknowledgements: ☼, Gaging location weather from weather.gov; A, American Whitewater Association; G, United States Geological Survery; Q, State Division of Water Resources(Colorado Division of Water Resources); N, NOAA River Forecast Hydrograph; @, All About Rivers, Brad Goettemoeller; R, Rafting the West-Will Hansen; W, Whitewater Campsites-Will Hansen; X, GPX waypoints downloadable into handheld GPS, mostly from Rivermaps(contact me if you need assistence); C, SouthWest Paddler-Marc W. McCord; T, CA Creeks-Bill Tuthill; P, Poudre Rock Report; I, Idaho Power; F, US Forest Service; O, Official website where information, permits and maps may be obtained; M,Miscellaneous map, guide or trip report of significance; D, Guidebook or map available from Downriver Equipment; V, Various other sources of information; $, Rafting in Colorado website; K, Canoe and Kayak Magazine; B, RiverBrain website; (R), Regulations (e.g. Poudre Paddle, "Waterlines March 2013", Comparing Regulations on Page 5).

Snotel data from high-country and headwaters is summarized by state for the last two weeks. Blue colors are Snotel water values and red colors are Snotel temperature values that contribute to the understanding and forecasting of rising or dropping down distance flows. The top line left value is total inches of water in the snow pack for all Snotel sites in the state. The right top line value is total inches of rain falling on all snotel sites on a date. The middle line left value is the average minimum temperature and the right value is the average maximum temperature for all snotel sites in the state. The bottom line value is the average average temperature for all Snotel sites in the state. Accessment of these values permit determination of thermal(if snow water content is present) versus rainfall runoff events(monsoonal generally).

Higher resolution Snotel data for specific river basin areas are percentages relative to average for the snow water equivalent and precipitation in the current water year. The snow water equivalent(SWE, pronounced "swee") is the number of inches of water in the snow pack. The water year begins on October 1st. * indicates that greater than 50% of the snotel sites in the basin are not reporting, essentially insufficient data to properly determine the SWE.

All daily river flow data except the current date are averages reported in CFS unless otherwise noted(feet; Selway,Paradise,MF Salmon,Lodge,Poudre Rock Report). The current data is the instantaneous flow at the time indicated. River flow was sourced from the USGS unless noted [1]Colorado Division of Water Resources, [2]US Forest Service, [3]Poudre Rock Report. Colorado rivers are catagorized north to south(west to east) to help, as possible, assist the analysis of weather systems that either add rain or temperature to runoff events.

Suffix symbol Đ indicates that a dam upstream strongly controls the flow. Suffix symbol Rs indicates an upstream dam with a ramping release scheduled according to hydroelectric demands.
The Hyper-matrix is a matrix of hyper links designed to provide instant access to best available on-line information concerning the river on which a link appears.

Grateful for feedback and support from: Chris Shackleton at Dreamflows.com; Beau Uriona NRCS SLC-Utah Data Collection Office; Rashawn Tama NRCS Portland-Water and Climate Center; Susan Novak Behery BOR Durango-Western Colorado Area Office; Carter Freericks DRE; Cori Peter DRE; Zach Svoboda DRE; Peg Young; Alisa Mast USGS; Andrew Halperin; Logan Gill and many other.

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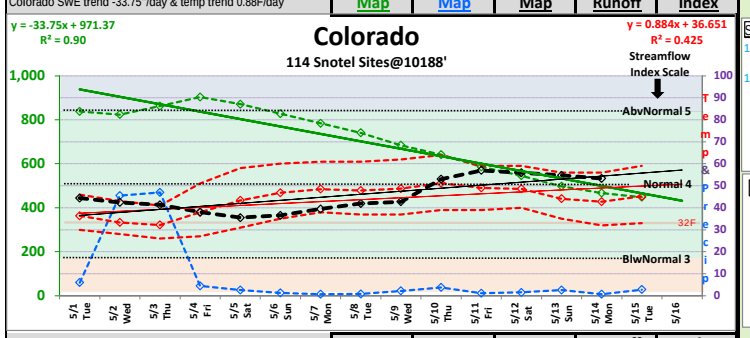
The Down River Report Graphs

For Optimal Hyperlink Performance, Download PDF Report to your Computer

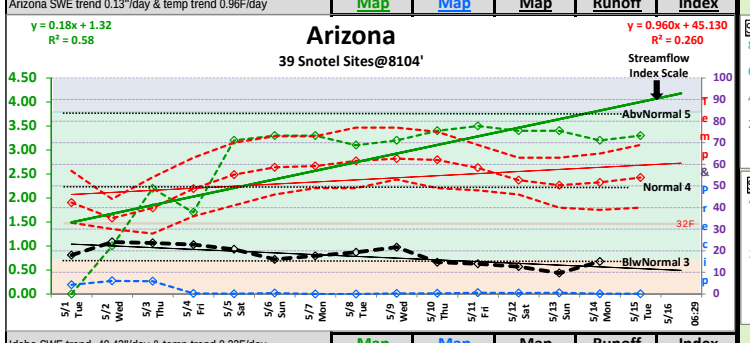
Two Week SNOTEL Plots by State of

Streamflow Index with Trendline(associated base layer and hyperlinks),
Temperatures(Min, Average with Trendline, Max), Precipitation and SWE with Trendline

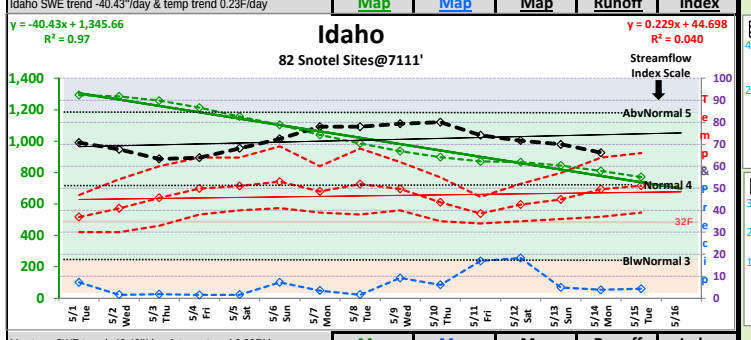
Colorado SWE trend -33.75"/day & temp trend 0.88F/day | Map | Map | Map | Runoff | Index



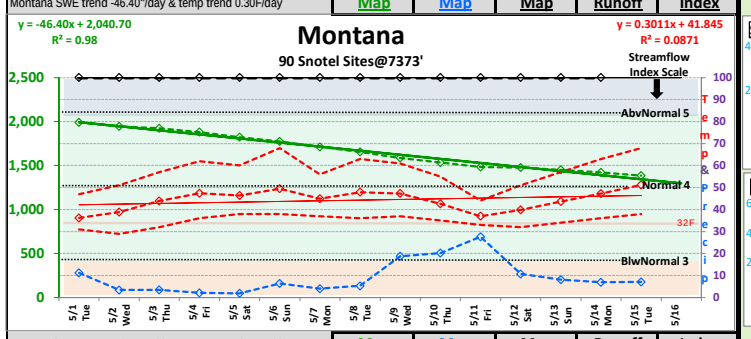
Arizona SWE trend 0.13"/day & temp trend 0.96F/day | Map | Map | Map | Runoff | Index



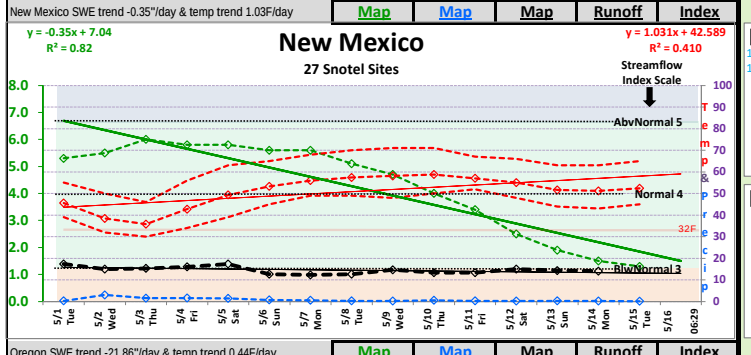
Idaho SWE trend -40.43"/day & temp trend 0.23F/day | Map | Map | Map | Runoff | Index



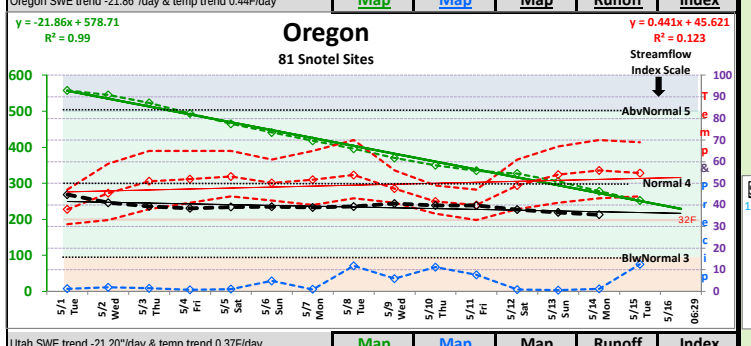
Montana SWE trend -46.40"/day & temp trend 0.30F/day | Map | Map | Map | Runoff | Index



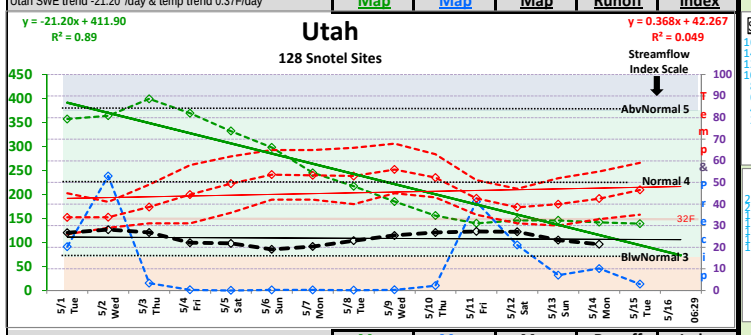
New Mexico SWE trend -0.35"/day & temp trend 1.03F/day | Map | Map | Map | Runoff | Index



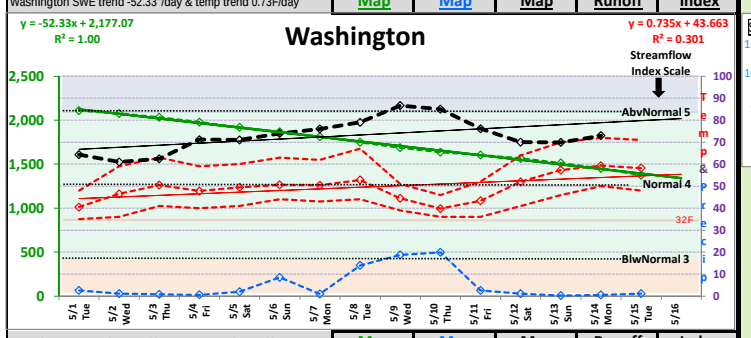
Oregon SWE trend -21.86"/day & temp trend 0.44F/day | Map | Map | Map | Runoff | Index



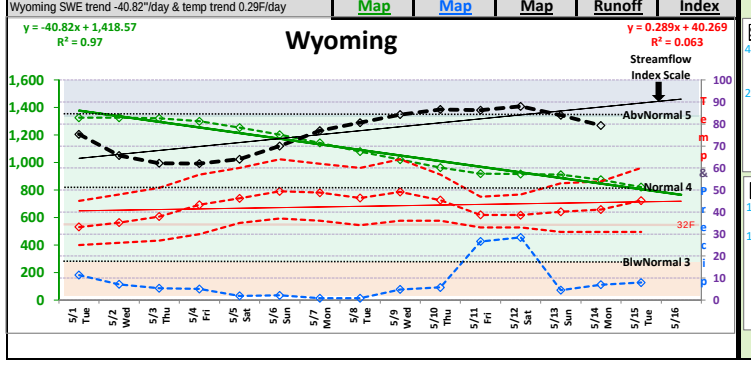
Utah SWE trend -21.20"/day & temp trend 0.37F/day | Map | Map | Map | Runoff | Index



Washington SWE trend -52.33"/day & temp trend 0.73F/day | Map | Map | Map | Runoff | Index



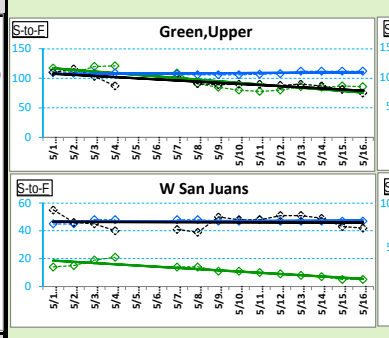
Wyoming SWE trend -40.82"/day & temp trend 0.29F/day | Map | Map | Map | Runoff | Index

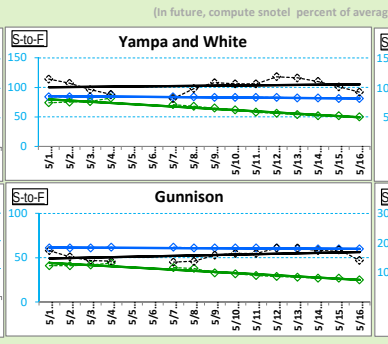


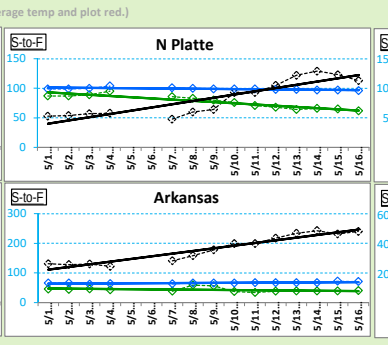
Two Week SNOTEL and USGS Plots by Basin of Percent of Average

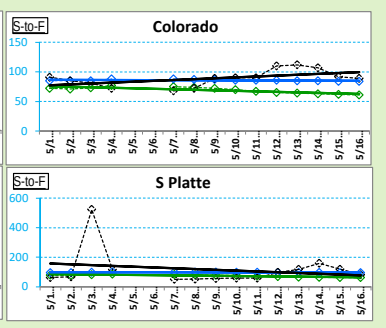
Precipitation with Trend Line, SWE with Trend Line and 'Select Rivers' with Trendline

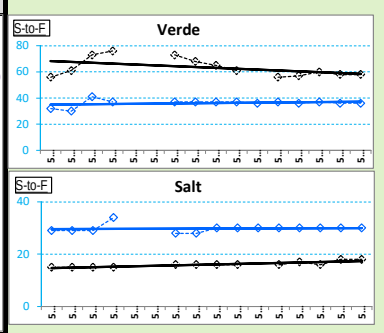
(In future, compute snotel percent of average temp and plot red.)

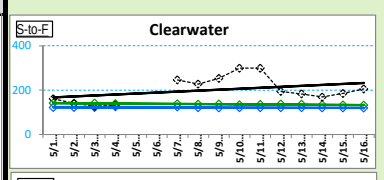


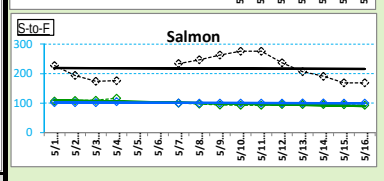


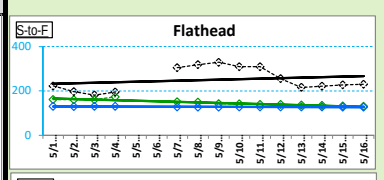


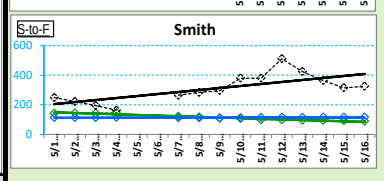


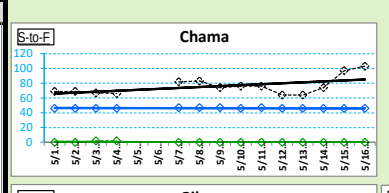


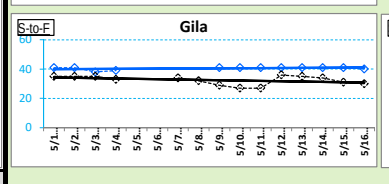


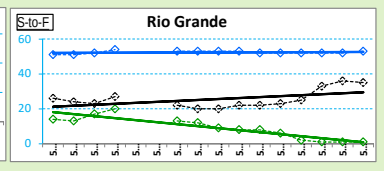


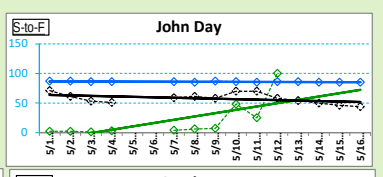


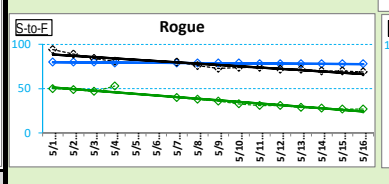


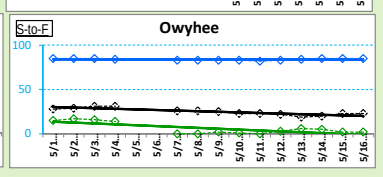


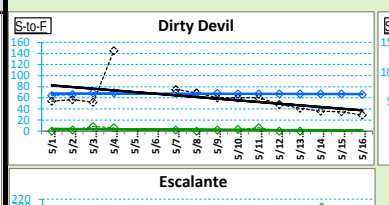


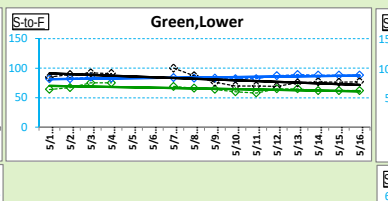


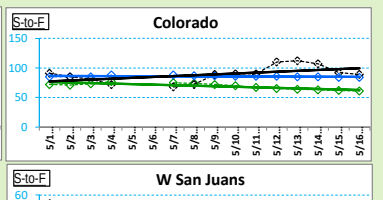


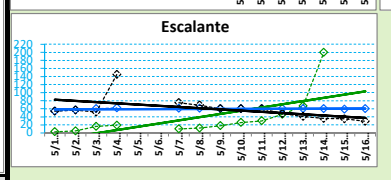


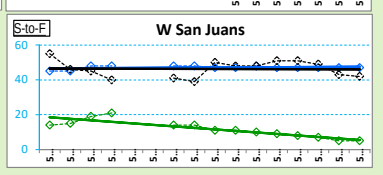


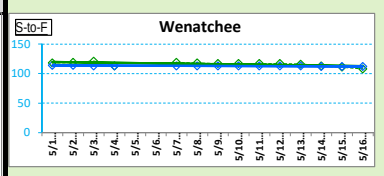


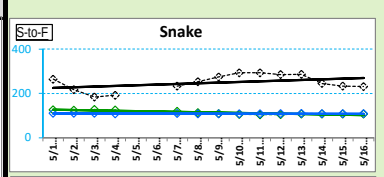


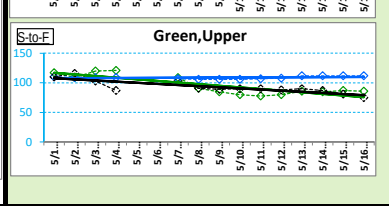












EXPERIMENTAL(magenta data fabricated)

Temperatures(Min, Average with Trendline, Max), Temperatures(Average Min, Average, Max)
Precipitation and SWE with Trendline