

January precipitation was well below normal over most of Western Colorado. This led to February 1st snowpacks, as a percent of average, that dropped anywhere from 10% to 15%. The exception was the headwaters of the San Juan above Navajo, where precipitation was near average and the snowpack increased 5% to 10%. Forecasts for the April through July 2007 runoff generally dropped 5% to 20% from those issued January 1st.

APRIL - JULY VOLUME FORECASTS



	INSIDE
Summary	1
Upper Colorado Mainstem	2
Gunnison and Dolores Rivers	3
Green River	4
San Juan River	5
Specific Site Forecasts	6
Flood Control Forecasts	11
Res. Monthly Infl. Forecasts	12
EOM Reservoir Contents	13
Monthly Streamflows	14
Precipitation Maps	16,17
Additional Information	18

UPPER COLORADO MAINSTEM

January precipitation came in well below normal while the snowpack as a percent of average dropped 15% over the Upper Colorado headwaters and 12% over the Roaring Fork Basin. This led to drops of 5% to 15% of average in the April through July runoff. Forecasts now range from 65% to 99% of average.

April-July streamflow forecasts for the Upper Colorado Mainstem are as follows:



BASIN CONDITIONS - FEBRUARY 1, 2007



* Percent usable capacity, not percent average contents.

Specific site forecasts are listed beginning on page 6.

GUNNISON AND DOLORES RIVERS

Precipitation was much below average for the month of January, continuing the dry winter conditions after an extremely wet fall. The snow water equivalent values dropped about 10% between January 1st and February 1st. As a result, the April through July streamflow forecasts also dropped 10%, on average, and now range between 75% and 100% of average.

April-July streamflow forecasts for the Gunnison and Dolores Rivers are as follows:



BASIN CONDITIONS - FEBRUARY 1, 2007



* Percent usable capacity, not percent average contents.

Specific site forecasts are listed beginning on page 7.

GREEN RIVER

The Green River Basin continues to be drier than average. Basin wide, forecasts are in the below to much below average category. Portions of the Eastern Uinta basin are in slightly better shape, but remain in the below average range.

April-July streamflow forecasts for the Green River are as follows:





* Percent usable capacity, not percent average contents.

Specific site forecasts are listed beginning on page 8.

SAN JUAN RIVER

January precipitation was much below average except above Navajo Reservoir where monthly precipitation was 91% of average. February 1 snow water equivalents were below average at 84% for the entire basin. The forecasts for April through July runoff range from 23% of average at Recapture Creek near Blanding to 95% at Vallecito Reservoir.

April-July streamflow forecasts for the San Juan Basin are as follows:



BASIN CONDITIONS - FEBRUARY 1, 2007



* Percent usable capacity, not percent average contents.

Specific site forecasts are listed beginning on page 10.

Specific Site Forecasts

Upper Colorado Mainstem: April through July volume (kaf) forecasts (except where noted).

Stream	Station	Most	Percent	Reas.	Reas.
		Probable	Avg.	Max	Min
COLORADO	LAKE GRANBY, GRANBY, NR	220	98	275	170
	DOTSERO, NR	1350	94	1780	980
	GLENWOOD SPRINGS, BLO	2000	93	2650	1350
	CAMEO, NR	2200	91	3120	1280
	CISCO, NR	4000	86	6290	1710
WILLOW CK	WILLOW CK RES, GRANBY, NR	48	94	65	34
FRASER	WINTER PARK	19	95	25	13.3
WILLIAMS FORK	WILLIAMS FORK RES, PARSHALL, N	87	92	113	66
MUDDY CK	WOLFORD MTN RES, BLO	39	65	60	24
BLUE	DILLON RES	165	99	215	123
	GREEN MTN RES	275	98	365	200
EAGLE	GYPSUM, BLO	300	90	405	210
FRYING PAN	RUEDI RES, BASALT, NR	125	89	165	90
ROARING FORK	GLENWOOD SPRINGS	620	87	830	440
PLATEAU CK	CAMEO, NR	75	65	158	10
MILL CK	MOAB, NR, SHELEY TUN, AT	3.1	62	5.1	1.7

Specific Site Forecasts

Gunnison and Dolores Basins: April through July volume (kaf) forecasts (except where noted).

Stream	Station	Most	Percent	Reas.	Reas.
		Probable	Avg.	Max	Min
TAYLOR	TAYLOR PARK RES	88	85	115	64
	ALMONT	138	84	194	82
EAST	ALMONT	160	83	220	111
GUNNISON	GUNNISON, NR	320	82	445	215
TOMICHI CK	GUNNISON	71	88	124	36
LAKE FORK	GATEVIEW	123	98	167	86
GUNNISON	MORROW POINT RES	675	86	1000	415
	CRYSTAL RES	760	83	1170	450
MUDDY CK	★ PAONIA RES, BARDINE, NR	84	84	134	48
NF GUNNISON	SOMERSET, NR	250	82	370	160
SURFACE CK	CEDAREDGE	14	82	21	8.9
UNCOMPAHGRE	RIDGWAY RES	92	90	133	61
	COLONA	120	86	190	70
	DELTA	98	84	179	47
GUNNISON	GRAND JUNCTION, NR	1300	83	2120	480
DOLORES	DOLORES	210	79	330	122
	MCPHEE RES	250	78	395	147
	CISCO, NR	460	75	800	120
SAN MIGUEL	PLACERVILLE, NR	109	83	165	67

 \star = March - June forecast period.

Green River Basin: April through July volume (kaf) forecasts (except where noted).

Stream	Station	Most	Percent	Reas.	Reas.
		Probable	Avg.	Max	Min
GREEN	DANIEL, NR, WARREN BRIDGE, AT	205	77	260	156
	GREEN RIVER, WY, NR	595	68	870	370
	GREEN RIVER, UT	2100	66	3480	780
PINE CK	FREMONT LK, ABV	82	79	98	67
NEW FORK	BIG PINEY, NR	280	71	395	186
BIG SANDY	FARSON, NR	40	69	57	27
BLACKS FORK	ROBERTSON, NR	79	83	111	53
EF SMITHS FORK	ROBERTSON, NR	24	77	36	14.6
HAMS FORK	FRONTIER, NR, POLE CK, BLO	40	62	65	21
	VIVA NAUGHTON RES	52	58	87	26
YAMPA	STAGECOACH RSVR, ABV	20	69	33	11
	STEAMBOAT SPRINGS	200	71	270	139
	MAYBELL, NR	690	70	955	470
ELK	MILNER, NR	250	77	345	171
ELKHEAD CK	ELKHEAD, NR	27	69	41	15.7
	MAYNARD GULCH, BLO	44	75	73	15.2
FORTIFICATION CK	FORTIFICATION, NR	5	67	10.4	2.3
LITTLE SNAKE	SLATER, NR	115	72	161	77
	DIXON, NR	205	62	315	119
	LILY, NR	220	60	350	119

★= March - June forecast period.

Stream Station		Most	Percent	Reas.	Reas.
		Probable	Avg.	Max	Min
BIG BRUSH CK	VERNAL, NR, RED FLEET RES, ABV	18	86	28	10.1
ASHLEY CK	VERNAL, NR	43	83	66	25
WF DUCHESNE	HANNA, NR	15	62	23	8.9
ROCK CK	UPPER STILLWATER RES	65	79	88	45
	MOUNTAIN HOME, NR	70	79	96	48
DUCHESNE	TABIONA, NR	66	63	100	39
	DUCHESNE, NR, KNIGHT DIV, ABV	130	69	188	82
	MYTON	160	60	320	55
	RANDLETT, NR	200	62	395	70
STRAWBERRY	SOLDIER SPRINGS, NR	36	61	65	15.7
	DUCHESNE, NR	66	54	121	28
CURRANT CK	CURRANT CK RES	16	64	34	4.8
LAKE FORK	MOON LAKE RES, MTN HOME, NR	55	81	75	38
YELLOWSTONE	ALTONAH, NR	49	79	71	31
WHITEROCKS	WHITEROCKS, NR	46	82	70	27
WHITE	MEEKER, NR	220	76	310	146
	WATSON, NR	230	75	370	153
GOOSEBERRY CK	SCOFIELD, NR	7.8	66	12.3	4.3
PRICE	SCOFIELD RES, SCOFIELD, NR	30	65	52	8.3
WHITE	BLO TABBYUNE CK, SOLDIER SUMMI	8.6	49	16.5	3.3
HUNTINGTON CK	ELECTRIC LAKE	10.2	65	17.7	4.7
	HUNTINGTON, NR	34	69	56	12.1
SEELEY CK	JOES VLY RES, ORANGEVILLE, NR	40	69	62	23
FERRON CK	FERRON, NR	28	72	42	16.8
SEVEN MILE CK	FISH LAKE, NR	5.8	83	8.8	3.4
MUDDY CK	EMERY, NR	15	75	23	8.5

Green River Basin continued: April through July volume (kaf) forecasts (except where noted).

San Juan River Basin: April through July volume (kaf) forecasts (except where noted).

Stream		Station	Most	Percent	Reas.	Reas.
			Probable	Avg.	Max	Min
SAN JUAN		PAGOSA SPRINGS	205	91	295	87
		CARRACAS, NR	360	89	555	215
		FARMINGTON	1030	85	1470	455
		BLUFF, NR	1060	86	1680	440
RIO BLANCO		PAGOSA SPRINGS, NR, BLANCO DAM	50	94	69	35
NAVAJO	CHROMO, NR, OSO DIV DAM, BLO		65	94	95	42
PIEDRA	EDRA ARBOLES, NR		210	91	340	118
LOS PINOS		VALLECITO RES, BAYFIELD, NR	195	95	275	132
ANIMAS		DURANGO	400	91	575	265
FLORIDA		LEMON RES, DURANGO, NR	52	90	70	38
LA PLATA		HESPERUS	16	64	26	9.2
MANCOS		MANCOS, NR	25	62	46	6
SOUTH CK	*	LLOYD'S RSVR NR MONTICELLO, AB	0.32	24	0.99	0.05
RECAPTURE CK	*	BLANDING, NR, JOHNSON CK, BLO	1.4	23	4.1	0.26

 \star = March - July forecast period.

FLOOD CONTROL FORECASTS



NOTE: Colorado River flood control forecasts account for a smaller set of upstream adjustments than water supply forecast points.



Blue Mesa Reservoir Inflow

Reservoir Monthly Inflow Forecasts

2007 Forecast
2006 Observed
30 Year Average



Flaming Gorge Reservoir Inflow



Vallecito Reservoir Inflow



Fontenelle Reservoir Inflow



Navajo Reservoir Inflow







END OF MONTH RESERVOIR CONTENTS



Percent	of	Usable	Capacity
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RESERVOIR	Reservoir	Usable	EOM Usable	Percent Usable
(vol. in 1000 ac-ft)	status	Capacity	Contents	Capacity
Fontenelle	1,4	344.8	151.7	44
Flaming Gorge	1,4	3749	3109.2	83
Strawberry	1,4	1105.9	928	84
Starvation	1,4	165.3	141.8	86
Lake Granby	2,4	490.3	283.9	58
Dillon	2,4	254	241	95
Green Mountain	2,4	146.9	86.6	59
Taylor Park	2,4	106.2	78.3	74
Blue Mesa	2,4	829.5	524.8	63
Ridgway	2,4	83.2	77.8	94
McPhee	2,4	381.1	274.8	72
Vallecito	3,4	125.4	76.1	61
Navajo	3,4	1696	1546.5	91
Lake Powell	4	24322	11703.4	48

1 = Green River reservoir status

- 2 = Upper Colorado River reservoir status
- 3 = San Juan River reservoir status
- 4 = Combined reservoir status

MONTHLY STREAMFLOWS



Roaring Fork - Glenwood Springs:







* Data Not Available

Colorado - Cisco, nr:













Monthly Precipitation for January 2007



Seasonal Precipitation, October 2006 - January 2007

Additional Information

Water supply forecasts take into consideration present hydrometeorological conditions and use average basin temperatures and precipitation for the forecast period. As the forecast season progresses, a greater portion of the future hydrologic and climatic uncertainty becomes known and monthly forecasts become more accurate.

Volume forecasts represent adjusted flows; that is, observed flows with upstream water use taken into account. Adjusted flows will closely approximate natural or unimpaired flows. However, not all upstream diversions or impoundments are measured or quantifiable. For specific adjustments used with each forecast point, consult the Guide to Water Supply Forecasting.

The Water Supply Outlook is issued monthly January through May by the Colorado Basin River Forecast Center, National Weather Service. It represents a coordinated effort between the National Weather Service, Natural Resources Conservation Service, Bureau of Reclamation, U.S. Geological Survey and local water district managers.

DEFINITIONS:

Acre-Foot:

The volume equal to one acre covered one foot deep (43,560 cubic feet). Average:

The arithmetic mean. The sum of the values divided by the number of values. Categories:

Much above Average	Above Average	Near Average	Below Average	Much Below Average-
Greater than 130%	111-130%	90-110%	70-89%	Less than 70%

Forecast Period:

The period from April 1 through July 31. Median:

The middle value. One half of the observed values are higher and half of the values are lower than this.

Most Probable Forecast:

Given the current hydrometeorological conditions to date, this is the best estimate of what the runoff volume will be this season. Reasonable Maximum Forecast:

Given the current hydrometeorological conditions, the seasonal runoff that has a ten percent (10%) chance of being exceeded. Reasonable Minimum Forecast:

Given the current hydrometeorological conditions, the seasonal runoff that has a ninety percent (90%) chance of being exceeded. Water Year:

The period from October 1 through September 30.

NOTE: Data used in this report are provisional and are subject to revision.

For more information, or to be included on the mailing list, please contact: Colorado Basin River Forecast Center, National Weather Service 2442 West North Temple, Salt Lake City, UT 84116