

Natural Resources Conservation Service

Montana Water Supply Outlook Report June 1, 2012



Picture: Madison Plateau SNOTEL Site near West Yellowstone

Water Supply Outlook Report and Federal - State - Private Cooperative Snow Surveys

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How forecasts are made

Most of the annual streamflow in the Western United States originates as snowfall that has accumulated high in the mountains during winter and early spring. As the snowpack accumulates, hydrologists estimate the runoff that will occur when it melts. Predictions are based on careful measurements of snow water equivalent at selected index points. Precipitation, temperature, soil moisture and antecedent streamflow data are combined with snowpack data to prepare runoff forecasts. Streamflow forecasts are coordinated by Natural Resources Conservation Service and National Weather Service hydrologists. This report presents a comprehensive picture of water supply conditions for areas dependent upon surface runoff. It includes selected streamflow forecasts, summarized snowpack and precipitation data, reservoir storage data, and narratives describing current conditions.

Snowpack data are obtained by using a combination of manual and automated SNOTEL measurement methods. Manual readings of snow depth and water equivalent are taken at locations called snow courses on a monthly or semi-monthly schedule during the winter. In addition, snow water equivalent, precipitation and temperature are monitored on a daily basis and transmitted via meteor burst telemetry to central data collection facilities. Both monthly and daily data are used to project snowmelt runoff.

Forecast uncertainty originates from two sources: (1) uncertainty of future hydrologic and climatic conditions, and (2) error in the forecasting procedure. To express the uncertainty in the most probable forecast, four additional forecasts are provided. The actual streamflow can be expected to exceed the most probable forecast 50% of the time. Similarly, the actual streamflow volume can be expected to exceed the 90% forecast volume 90% of the time. The same is true for the 70%, 30%, and 10% forecasts. Generally, the 90% and 70% forecasts reflect drier than normal hydrologic and climatic conditions; the 30% and 10% forecasts reflect wetter than normal conditions. As the forecast season progresses, a greater portion of the future hydrologic and climatic uncertainty will become known and the additional forecasts will move closer to the most probable forecast.

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Montana Water Supply Outlook Report as of June 1, 2012

Mountain snowmelt during May was near normal for the majority of the month with the exceptions at the beginning and the end. A cold spell with some snowfall at the beginning of the month helped sustain snowpack levels in most river basins across the state. Specifically, a storm at the end of May deposited as much as three inches of snow water equivalent in the Bridger mountain range. Lesser accumulations fell elsewhere across the state during that storm, which ultimately increased snowpack percent of average. These late season snowstorms are quite common, but can be hard to forecast. Predicting timing and severity of these storms are particularly difficult, and cannot be relied upon for streamflow forecasting. As a result streamflow forecasts changed little on June 1 from May 1 with some relief in the Tongue and Powder.

Snowpack

During the month of May snowpack recovered the 15 percent loss from April. In some locations significant snowpack is holding out later than normal but not to the same levels as last year. According to SNOTEL data the Flathead River basin has retained nearly 60 percent of its peak snowpack this year, while the Mission Valley has nearly 80 percent of its 2012 snowpack. Provided the right weather conditions, this is enough snow to yield additional streamflow peaks from snowmelt. Conversely southern Montana is below average with most low and mid-elevation snowpacks entirely melted out.

	• • • -	LAST YEAR	MAY
RIVER BASIN	AVERAGE %	OF AVERAGE %	6 CHANGE
COLUMBIA	121	237	. +21
KOOTENAI	145	249	. +16
FLATHEAD	133	235	. +32
UPPER CLARK FORK	96	240	. +16
BITTERROOT	76	207	8
LOWER CLARK FORK	121	288	. +14
MISSOURI	85	261	. +12
MISSOURI HEADWATERS	76	240	. +б
JEFFERSON	64	228	. 0
MADISON	78	218	. 0
GALLATIN	81	244	. +1
MISSOURI MAINSTEM	109	328	. +27
HEADWATERS MAINSTEM	82	300	. +10
SMITH-JUDITH-MUSSELSHELL	109	386	. +21
SUN-TETON-MARIAS	118	273	. +32
MILK (Bearpaw Mtns)			·
ST. MARY	126	170	. +6
ST. MARY & MILK	133	167	. +14
YELLOWSTONE	76	268	. +7
UPPER YELLOWSTONE	90	222	. +12
LOWER YELLOWSTONE	52	305	7
STATE-WIDE	103	243	. +17

Precipitation

May mountain and valley precipitation across the state was 95 percent of average and 56 percent of last year, while the water year precipitation was 104 percent of average and 79 percent of last year. West of the Continental Divide, May mountain and valley precipitation was 95 percent of average and 81 percent of last year and the water year precipitation was 108 percent of average and 85 percent of last year. East of the Divide, May mountain and valley precipitation was 95 percent of average and 49 percent of average and 101 percent of average and 75 percent of last year.

RIVER BASIN	MAY % OF AVERAGE	WATER YEAR % OF AVERAGE
MISSOURI JEFFERSON MADISON GALLATIN MISSOURI MAINSTEM SMITH-JUDITH-MUSSELSHEL SUN-TETON-MARIAS MILK ST. MARY YELLOWSTONE UPPER YELLOWSTONE	104 97 89 101 96 99 89 102 102 112 112 95 112 112 112 113 113 113 113 113 113 113	115 109 102 107 109 107 109 107 109 107 109 101 105 105 105 107 105 107 103 104 107 113 100 147 127 97 100 95
STATEWIDE	95	104

Reservoirs

State-wide reservoir storage was 106 percent of average and 101 percent of last year. Reservoir storage west of the divide was 117 percent of average and 148 percent of last year. East of the Divide, reservoir storage was 102 percent of average and 89 percent of last year.

RIVER BASIN	% OF .	AVERAGE	% OF L	AST YEAR
COLUMBIA KOOTENAI FLATHEAD UPPER CLARK FORK BITTERROOT LOWER CLARK FORK	· · · · · · · · · · · · · · · · · · ·	117		79 76 80 115 96 104
MISSOURI JEFFERSON MADISON GALLATIN MISSOURI MAINSTEM SMITH-JUDITH-MUSSELSHELL SUN-TETON-MARIAS MILK	· · · · · · · · · · · · · · · · · · ·	102	· · · · · · · · · · · · · · · · · · ·	115 106 94 104 116 125 112 131
ST. MARY YELLOWSTONE UPPER YELLOWSTONE LOWER YELLOWSTONE STATEWIDE	· · · · · · · · · · · · · · · · · · ·	146		86 113 106 113 105

Streamflow

State-wide, streamflows are forecast to be 93 percent of average. West of the divide streamflows are forecast to be 102 percent of average and east of the divide are forecast to be 85 percent of average.

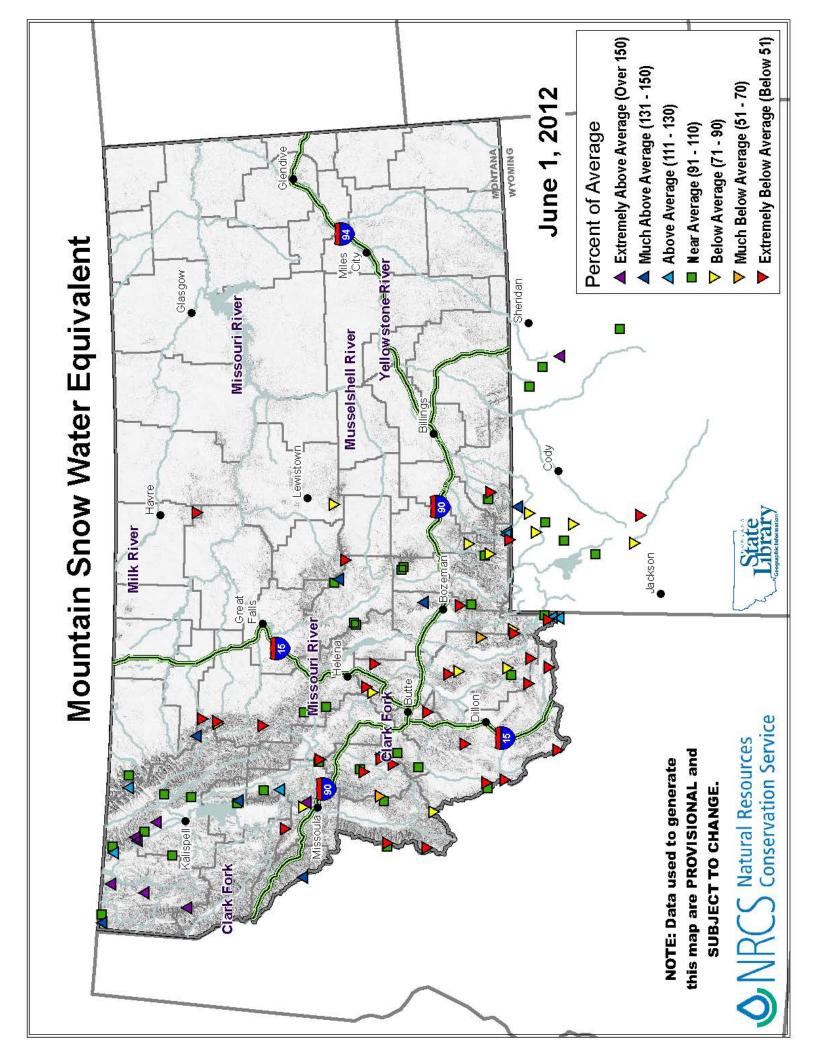
Following are streamflow forecasts for the period June 1 through July 31. THE FIGURES IN THE TABLE BELOW ARE AN AVERAGE OF ALL FORECASTS WITHIN THE PARTICULAR BASIN AT THE 50 PERCENT EXCEEDANCE ONLY. FOR FORECASTS ABOVE AND BELOW THE 50 PERCENT EXCEEDANCE, LOOK TO THE SPECIFIC BASIN REPORTS. The figures below are the combined averages of the individual forecast points within the particular basin. Specific forecast probabilities are available in each individual River Basin Report.

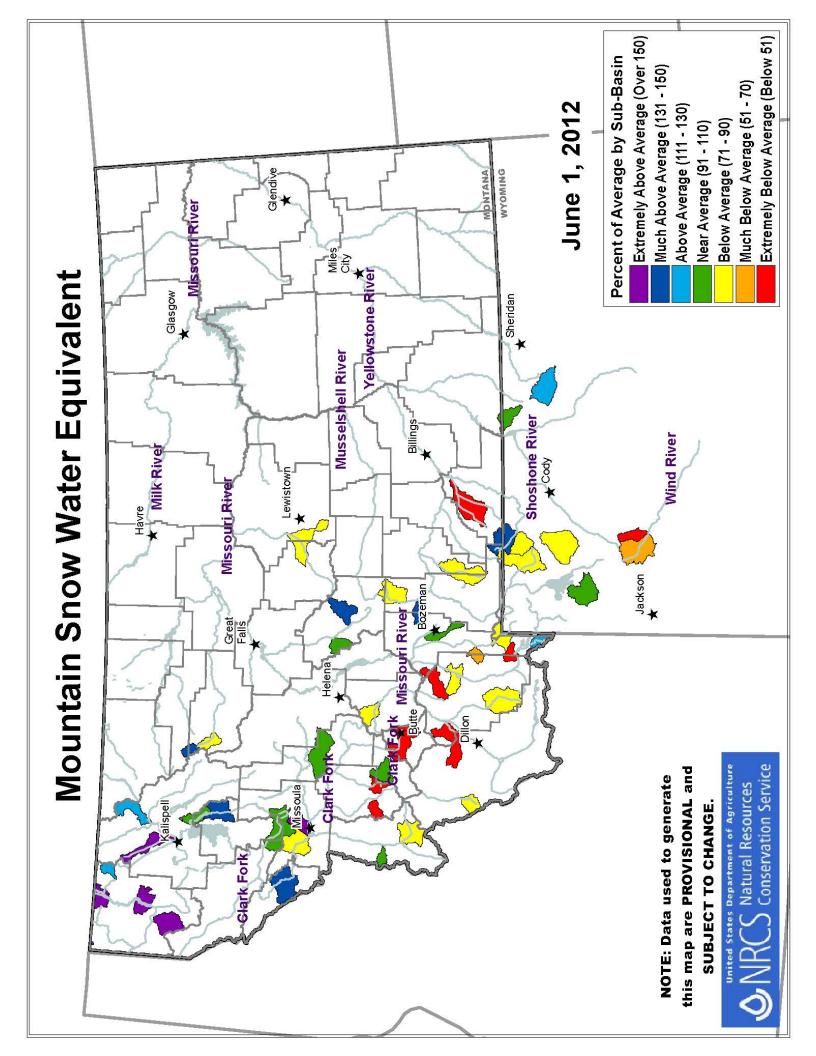
	JU	NE-JULY	JUNE-JULY
	TH	IS YEAR	LAST YEAR
RIVER BASIN %	OF	AVERAGE	% OF AVERAGE
COLUMBIA	•••	99	188
KOOTENAI	• • •	121	168
FLATHEAD		110	200
UPPER CLARK FORK		83	194
BITTERROOT		88	162
LOWER CLARK FORK		93	183
MISSOURI		80	191
JEFFERSON		48	183
MADISON		90	149
GALLATIN		89	156
MISSOURI MAINSTEM		78	173
SMITH-JUDITH-MUSSELSHELL		94	251
SUN-TETON-MARIAS		99	194
MILK		104	193
ST. MARY		116	155
YELLOWSTONE		85	200
UPPER YELLOWSTONE		96	170
LOWER YELLOWSTONE		74	231
STATE-WIDE		90	190

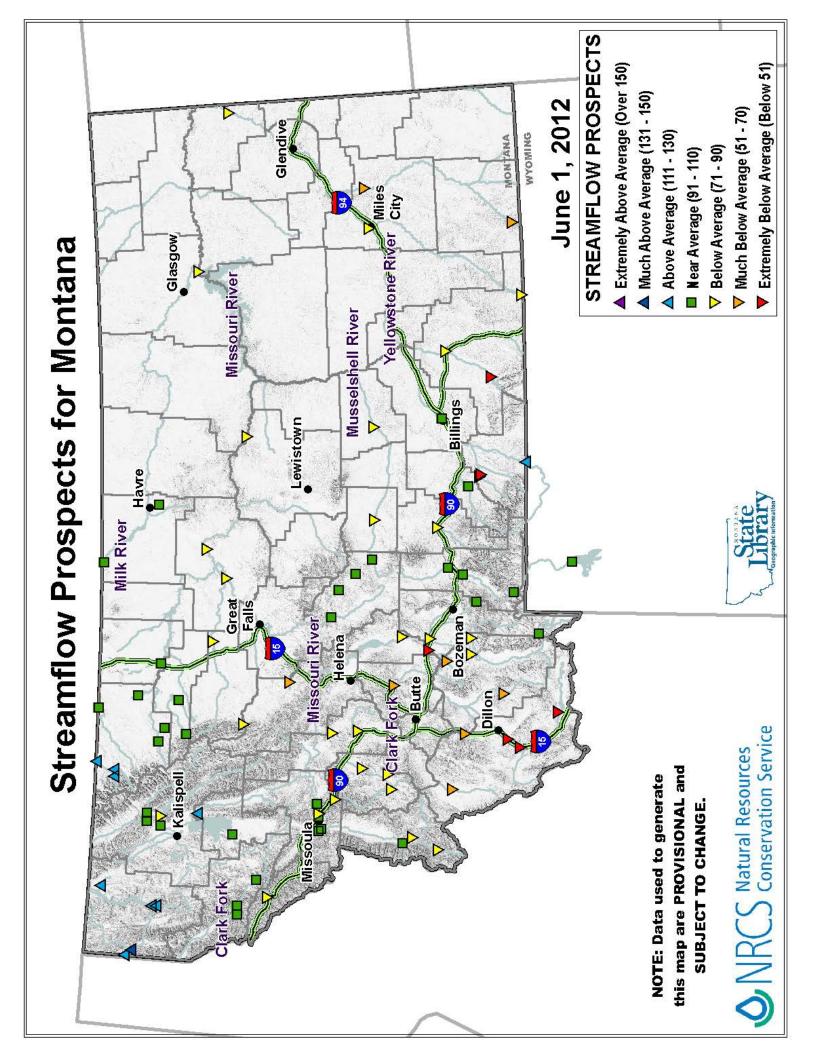
NOTE: The JUNE-JULY LAST YEAR % OF AVERAGE column above is what was forecast last year at this same time, NOT what actually occurred.

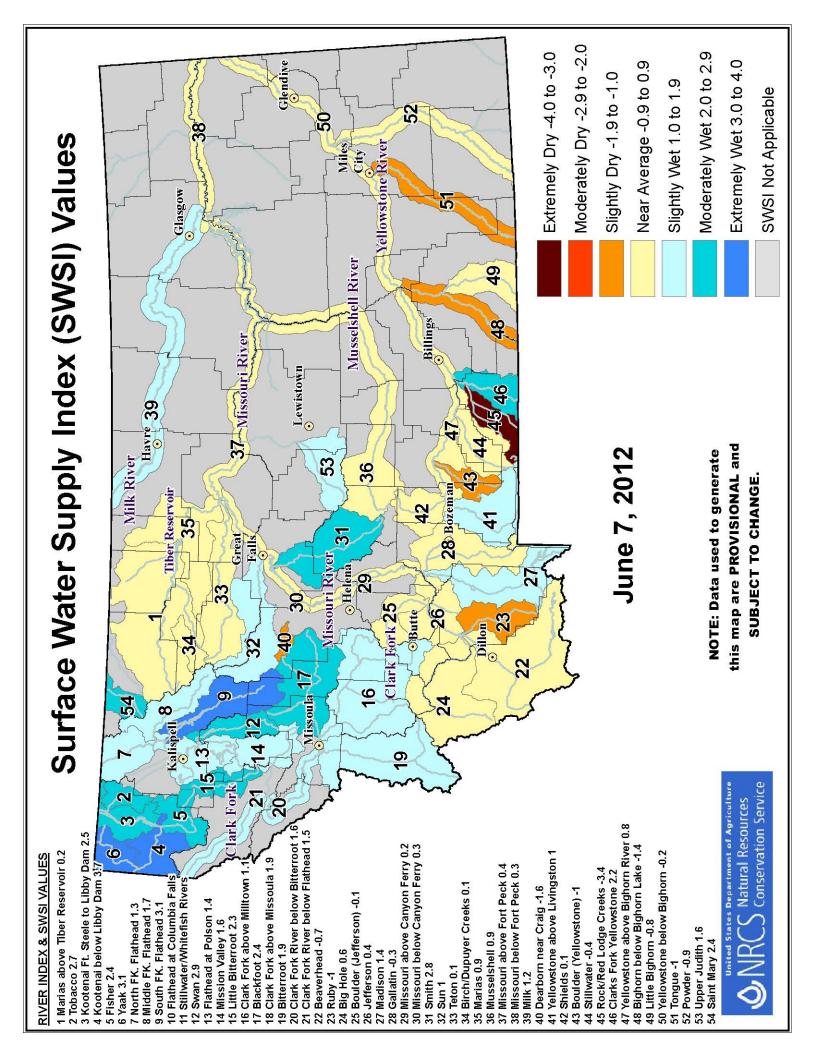
Surface Water Supply Index The Surface Water Supply Index (SWSI) is a measure of available surface water availability for the spring and summer months. Water users that rely on mountain precipitation can use the index to evaluate seasonal surface water supplies. The SWSI accounts for mountain snowpack, mountain precipitation, streamflow, reservoir storage, and soil moisture.

	SWSI RATI	NG SURFACE WATER CONDITION
	+3.0 to +	4.0 Extremely Wet
	+2.0 to +	-
	+1.0 to +	-
	-1.0 to +	1.0 Near Average
	-1.0 to -	
	-2.0 to -	3.0 Moderately Dry
	-3.0 to -	4.0 Extremely Dry
	Test Veen	
This Year SWSI	Last Year SWSI	Basin
SWST	SW2T	Basin
+2.7	+3.4	Tobacco River
+2.5	+2.4	Kootenai Ft. Steele to Libby Dam
+3.7		Kootenai River below Libby Dam
+2.4	+3.8	Fisher River
+3.1	+3.2	Yaak River
+1.3	+3.8	North Fork Flathead River
+1.7	+3.8	Middle Fork Flathead River
+3.1	+3.8	South Fork Flathead River
+2.0 +2.9	+3.2 +3.9	Flathead River at Columbia Falls Swan River
+2.9	+3.9	Swan River Flathead River at Polson
+1.4	+3.0	Mission Valley
+2.3		Little Bitterroot River
+1.1	+3.5	Clark Fork River above Milltown
+1.5		Clark Fork above Missoula
+2.4	+4.0	Blackfoot River
+1.9	+2.5	Bitterroot River
+1.6	+3.2	Clark Fork River below Bitterroot River
+1.5	+3.6	Clark Fork River below Flathead River
-0.7	+2.3	Beaverhead River
-1.0	+2.4	Ruby River
+0.6 -0.1	+3.7 +3.0	Big Hole River Boulder River (Jefferson)
+0.4	+3.0	Jefferson River
+1.4	+2.8	Madison River
-0.3	+3.4	Gallatin River
+0.2	+3.3	Missouri River above Canyon Ferry
+0.3	+3.1	Missouri River below Canyon Ferry
+2.8		Smith River
+1.0	+3.2	Sun River
+0.1	+2.3	Teton River
+0.1	+3.3	Birch/Dupuyer Creeks
+1.6 +0.2	+3.4	Upper Judith River Marias River above Tiber
+0.2	+3.9	Marias River below Tiber
+0.9	+3.8	Musselshell River
+0.4	+2.3	Missouri River above Ft. Peck
+0.3	+3.9	Missouri River below Ft. Peck
+2.4	+3.3	St. Mary River
+1.2	+3.9	Milk River
-1.6	+2.8	Dearborn River near Craig
+1.0	+3.7	Yellowstone River above Livingston
+0.1	+3.8	Shields River
-1.0	+3.6	Boulder River (Yellowstone)
-0.4 -3.4	+3.8 +3.8	Stillwater River Rock/Red Lodge Creeks
+2.2	+3.0	Clarks Fork River
+2.2	+3.7	Yellowstone River above Bighorn River
-1.4	+4.0	Bighorn River below Bighorn Lake
-0.8	+3.8	Little Bighorn River
-0.2	+3.8	Yellowstone River below Bighorn River
-1.0	+3.9	Tongue River
-0.9	+4.0	Powder River









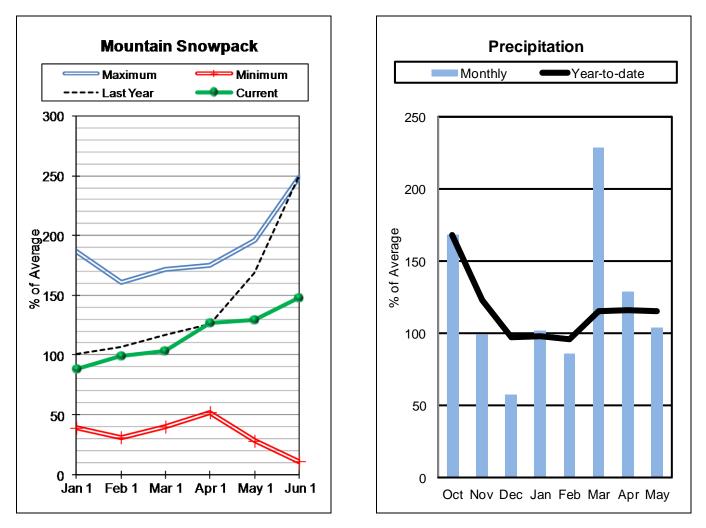
B A S I N S U M M A R Y O F S N O W C O U R S E D A T A

JUNE 2012

SNOW COURSE	ELEVATION		SNOW DEPTH		LAST YEAR	AVERAGE 71-00
ALBRO LAKE SNOTEL	8300	6/01/12		3.0	28.4	13.4
BADGER PASS SNOTEL	6900	6/01/12	60	31.6	49.3	22.9
BANFIELD MTN SNOTE	L 5600	6/01/12	16	7.0	15.1	2.9
BARKER LAKES SNOTE	L 8250	6/01/12	27	8.6	25.6	9.5
BASIN CREEK SNOTEL	7180	6/01/12	1	.8	8.1	4.1
BEAGLE SPGS SNOTEL	8850	6/01/12	0		9.3	1.4
BEAVER CREEK SNOTE	 7850	6/01/12	12	3.8	21.2	8.6
BISSON CREEK SNOTE	4920	6/01/12	0	.0	.0	.0
BLACK BEAR SNOTEL	7950	6/01/12	65	32.6	53.9	26.1
BLACK PINE SNOTEL	7100	6/01/12	0	.0	8.1	1.9
BLACKTAIL MTN SNOT	EL 5650	6/01/12	0	.0	9.2	
BLOODY DICK SNOTEL	7550	6/01/12	0	.0	8.9	1.0
BOULDER MTN SNOTEL	7950	6/01/12	27	8.6	27.2	9.2
BOX CANYON SNOTEL	6700	6/01/12	0	.0	.0	.0
BOXELDER CREEK	5100	5/29/12	6	2.4	.0	.2
BRACKETT CR SNOTEL	7320	6/01/12	19	7.4	28.1	5.1
BURNT MTN SNOTEL	5880	6/01/12	0	.0	.0	.0
CALVERT CR SNOTEL	6430	6/01/12	0	.0	.0	.0
CARROT BASIN SNOTE	9000	6/01/12	42	18.5	35.7	24.2
CHICKEN CREEK	4060	5/31/12	0	.0	.0	.0
CLOVER MDW SNOTEL	8800	6/01/12	26	9.9	22.9	11.3
COLE CREEK SNOTEL	7850	6/01/12	5	1.8	25.2	11.0
COMBINATION SNOTEL	5600	6/01/12	0	.0	.0	.0
COPPER BOTTOM SNOT	EL 5200	6/01/12	0	.0	.0	.0
COPPER CAMP SNOTEL	6950	6/01/12	48	28.6	48.7	
CRYSTAL LAKE SNOTE	L 6050	6/01/12	1	.6	15.6	.7
DAISY PEAK SNOTEL	7600	6/01/12	0	.0	14.7	3.4
DALY CREEK SNOTEL	5780	6/01/12	0	.0	.0	.0
DARKHORSE LK. SNOTI	EL 8700	6/01/12	56	23.8	46.4	26.3
DEADMAN CR SNOTEL	6450	6/01/12	0	.0	3.0	.0
DISCOVERY BASIN	7050	5/31/12	1	.5	10.7	2.4
DIVIDE SNOTEL	7800	6/01/12	0	.0	6.5	2.7
DUPUYER CREEK SNOT	EL 5750	6/01/12	0	.0	5.9	.4
EMERY CREEK SNOTEL	4350	6/01/12	0	.0	.0	.0
FISHER CREEK SNOTE	L 9100	6/01/12	80		53.9	
FLATTOP MTN SNOTEL	6300	6/01/12	104	46.1	62.0	36.5
FROHNER MDWS SNOTE		6/01/12	0	.0	.7	.7
GARVER CREEK SNOTE		6/01/12	0	.0	.0	.0
GRAVE CRK SNOTEL	4300	6/01/12	0	.0	8.7	.0
HAND CREEK SNOTEL	5030	6/01/12	0	.0	.0	.0
HAWKINS LAKE SNOTE		6/01/12	50	23.8	40.4	17.8
HELL ROARING DIVID		5/31/12	42	21.1	41.4	10.8
HERRIG JUNCTION	4850	5/31/12	20	9.6	26.8	5.4
HOODOO BASIN SNOTE		6/01/12	79	39.8	53.8	28.4
KRAFT CREEK SNOTEL	4750	6/01/12	0	.0	.0	.0
LAKEVIEW RDG. SNOT		6/01/12	0	.0	4.1	.3
LEMHI RIDGE SNOTEL	8100	6/01/12	0	.0	13.0	1.4
LICK CREEK SNOTEL	6860	6/01/12	0	.0	10.0	.5
LONE MOUNTAIN SNOT		6/01/12	17	6.5	30.8	11.8
LOWER TWIN SNOTEL	7900	6/01/12	30	11.4	23.4	13.0
LUBRECHT SNOTEL	4680	6/01/12	0	.0	.0	.0
MADISON PLT SNOTEL	7750	6/01/12	24	10.9	32.0	9.0
MANY GLACIER SNOTE		6/01/12	0	.0	.0	.0
MONUMENT PK SNOTEL	8850	6/01/12	28	12.5	30.3	15.9
MOSS PEAK SNOTEL	6780	6/01/12	93	44.8	63.7	31.0
MT LOCKHART SNOTEL	6400	6/01/12	15 11	8.0	27.6	9.6
MULE CREEK SNOTEL	8300	6/01/12	11	3.5	19.4	9.3

SNOW COURSE	ELEVATION	DATE	SNOW DEPTH	WATER CONTENT	LAST YEAR	AVERAGE 71-00
N.E. ENTRANCE SNOTE	L 7350	6/01/12	0	.0	.0	.4
NEVADA RIDGE SNOTEL	7020	6/01/12	5	3.1	19.2	3.4
NEZ PERCE CMP SNOTE	L 5650	6/01/12	0	.0	4.3	.3
N.F. ELK CR SNOTEL	6250	6/01/12	0	.0	3.1	.6
NF JOCKO SNOTEL	6330	6/01/12	52	29.4	53.5	26.4
NOISY BASIN SNOTEL	6040	6/01/12		31.3	69.7	30.1
PETERSON MDW SNOTEL	7200	6/01/12	0	.0	11.4	2.7
PICKFOOT CRK SNOTEL	6650	6/01/12	0	.0	4.2	.0
PIKE CREEK SNOTEL	5930	6/01/12	0	.0	13.5	
PLACER BASIN SNOTEL	8830	6/01/12	25	10.8	34.1	14.6
POORMAN CR SNOTEL	5100	6/01/12		17.9	44.5	11.1
PORCUPINE SNOTEL	6500	6/01/12	0	.0	.0	.0
RED MOUNTAIN	6000	5/31/12	17	8.3	19.7	4.1
ROCKER PEAK SNOTEL	8000	6/01/12	25	9.0	23.1	11.7
ROCKY BOY SNOTEL	4700	6/01/12	0	.0	.0	.2
SACAJAWEA SNOTEL	6550	6/01/12	2	1.2	9.7	.0
SADDLE MTN SNOTEL	7900	6/01/12	32	12.4	33.2	16.3
S.F. SHIELDS SNOTEL	8100	6/01/12	27	11.1	27.2	12.3
SHORT CREEK SNOTEL	7000	6/01/12	0	.0	.0	.0
SHOWER FALLS SNOTEL	8100	6/01/12	48	20.0	37.0	20.5
SKALKAHO SNOTEL	7260	6/01/12	18	7.5	25.1	14.6
SLEEPING WOMAN SNTL	6150	6/01/12	0	.0	12.1	1.2
SPUR PARK SNOTEL	8100	6/01/12	47	20.9	36.8	14.2
STAHL PEAK SNOTEL	6030	6/01/12	78	36.3	57.4	28.0
STRYKER BASIN	6180	5/31/12	59	30.1	46.8	19.4
STUART MOUNTAIN SNT	L 7400	6/01/12	57	27.7	46.2	17.0
TAYLOR ROAD	4080	5/29/12	3	.8	.0	.2
TEPEE CREEK SNOTEL	8000	6/01/12	0	.0	8.6	5.2
TIZER BASIN SNOTEL	6840	6/01/12	0	.0	5.8	.3
TV MOUNTAIN	6800	5/31/12	12	4.8	18.8	6.8
TWELVEMILE SNOTEL	5600	6/01/12	0	.0	.0	.4
TWIN LAKES SNOTEL	6400	6/01/12	42	24.5	38.8	22.3
WALDRON SNOTEL	5600	6/01/12	0	.0	5.3	.1
WARM SPRINGS SNOTEL	7800	6/01/12	49	20.6	32.5	17.0
WEST YELL'ST SNOTEL	6700	6/01/12	0	.0	.0	.0
WHISKEY CREEK SNOTE	L 6800	6/01/12	0	.0	13.4	1.2
WHITE MILL SNOTEL	8700	6/01/12	48	20.5	35.1	18.0
WOOD CREEK SNOTEL	5960	6/01/12	0	.0	9.6	.5

Kootenai River Basin in Montana



Snowpack conditions in the Kootenai River Basin as of June 1 were well above average. Snow water content was 145 percent of average and 58 percent of last year. Snowpack in the Kootenai in Canada was well above average. Snow water content was 153 percent of average and 100 percent of last year.

Mountain precipitation during May was 109 percent of average and 90 percent of last year. Valley precipitation during May was 70 percent of average and 113 percent of last year. Mountain and valley water year precipitation, beginning October 1, 2011, was 115 percent of average and 88 percent of last year.

Lake Koocanusa storage at the end of May was 128 percent of average and 169 percent of average.

Assuming average precipitation, June through July streamflows are forecast to average 121 percent.

Surface Water Supply Index (SWSI) was +2.7 in the Tobacco River; +2.5 in the Kootenai Ft. Steele to Libby Dam; +3.7 in the Kootenai River below Libby Dam; +2.4 in the Fisher River; and +3.1 in the Yaak River.

KOOTENAI RIVER BASIN in Montana

Streamflow Forecasts - June 1, 2012

		<<=====	Drier ====	== Future Co	onditions ==	===== Wetter	=====>>		
Forecast Point	Forecast Period	======= 90% (1000AF)	70% (1000AF)	= Chance Of H 50 (1000AF)	Exceeding * =)% (% AVG.)	30% (1000AF)	10% (1000AF)	30-Yr Avg. (1000AF)	
Tobacco R nr Eureka	JUN-JUL JUN-SEP	60 73	71 86	 78 95	126 125	85 104	96 117	62 76	
Libby Reservoir Inflow (1,2)	JUN-JUL	3320	3760	3960	115	4160	4600	3440	
	JUN-SEP	4340	4890	5140	116	5390	5940	4440	
Fisher River nr Libby	JUN-JUL	57	69	77	113	85	97	68	
	JUN-SEP	72	86	95	113	104	118	84	
Yaak River nr Troy	JUN-JUL	146	172	190	132	210	235	144	
	JUN-SEP	172	200	220	133	240	270	166	
Kootenai R at Leonia (1,2)	JUN-JUL	3760	4350	4620	118	4890	5480	3920	
	JUN-SEP	4920	5640	5970	119	6300	7020	5000	

 JUN-SEP
 4920
 D040
 JUN-SEP

 KOOTENAI RIVER BASIN in Montana
 KOOTENAI RIVER BASIN in Montana

 KOOTENAI RIVER BASIN in Montana
 Watershed Snowpack Analysis - June 1, 2012

Reservoir Storage (100	(O AF) - EIIC	i or may		1	watershed Showpad	K Analysis -	June 1, 2	012
Reservoir	Usable Capacity		able Stora Last Year	age *** Avg	Watershed	Number of Data Sites		r as % of Average
LAKE KOOCANUSA	5748.0	4090.0	2421.0	3193.1	KOOTENAY in CANADA	5	100	153
					KOOTENAI MAINTSTEM	4	60	157
					TOBACCO	2	55	130
					FISHER	1	0	0
					YAAK	3	53	147
					KOOTENAI in MONTANA	9	58	145
					KOOTENAI ab BONNERS FE	RRY 14	76	148

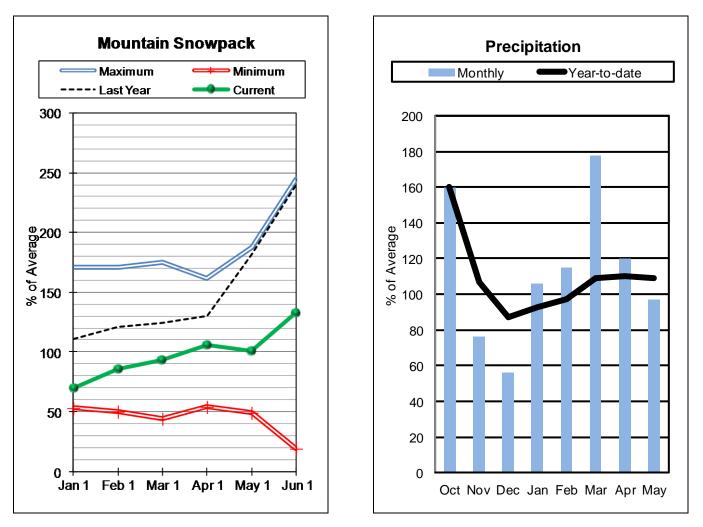
. * 90%, 70%, 50%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

The average is computed for the 1971-2000 base period.

(1) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.

(2) - The value is natural volume - actual volume may be affected by upstream water management.
 (3) - Median value used in place of average.

Flathead River Basin



Snowpack conditions in the Flathead River Basin were well above average on June 1. Snow water content was 133 percent of average and 54 percent of last year. Snowpack in the Flathead of Canada was well above average. Snow water content was 253 percent of average and 58 percent of last year.

Mountain precipitation during May was 98 percent of average and 86 percent of last year. Valley precipitation during May was 77 percent of average and 96 percent of last year. Mountain and valley water year precipitation, beginning October 1, 2011, was 109 percent of average and 82 percent of last year.

Hungry Horse Reservoir storage at the end of May was 119 percent of average and 175 percent of last year. Flathead Lake storage at the end of May was 93 percent of average and 92 percent of last year.

Assuming average precipitation, June through July streamflows are forecast to average 110 percent.

Surface Water Supply Index (SWSI) was +1.3 in the North Fork Flathead River; +1.7 in the Middle Fork Flathead River; +3.1 in the South Fork Flathead River; +2.0 in the Flathead River at Columbia Falls; +2.9 in the Swan River; +1.4 in the Flathead River at Polson; +1.6 in the Mission Valley; +2.3 in the Little Bitterroot River.

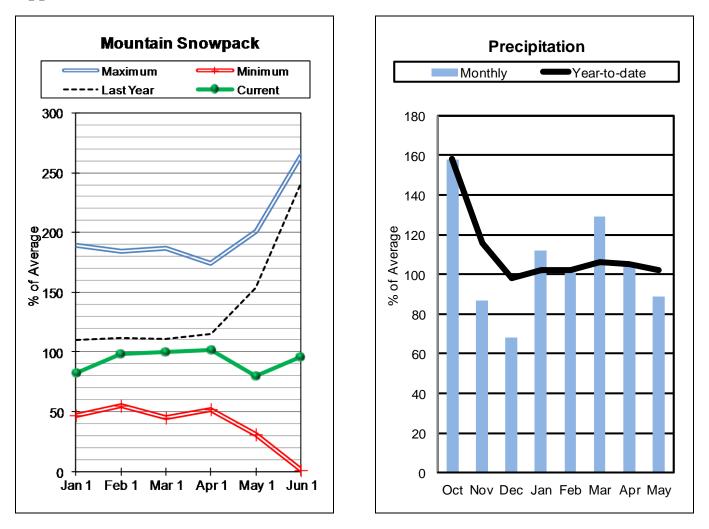
FLATHEAD RIVER BASIN										
Streamflow Forecasts - June 1, 2012										
		<<===== Drier ===== Future Conditions ====== Wetter ====>>								
Forecast Point	Forecast	=======	======================================							
	Period	90%	70%	50)%	30%	10%	30-Yr Avg.		
		(1000AF)	(1000AF) (1000AF) (1000AF) (% AVG.) (1000AF) (1000AF)							
NF Flathead R nr Columbia Falls	JUN-JUL	680	785	=====================================	104	========= 935	1040	830		
	JUN-SEP	805	930	1010	101	1100	1220	1000		
						ļ				
MF Flathead R nr West Glacier	JUN-JUL	665	780	860 860	104	940	1050 1220	825 975		
	JUN-SEP	800	925	1 1010	104	1090	1220	975		
SF Flathead R nr Hungry Horse	JUN-JUL	620	690	740	114	790	860	650		
	JUN-SEP	695	770	825	113	880	955	730		
Numero Neuro Deservos in Tufles (1.0)		550	705	0.05	0.4	0.05	1000	0.50		
Hungry Horse Reservoir Inflow (1,2)	JUN-JUL JUN-SEP	550 645	725 835	805 920	84 84	885 1010	1060 1190	960 1090		
	0011 021	015	000		01	1010	1190	2000		
Flathead R at Columbia Falls (2)	JUN-JUL	2100	2430	2650	99	2870	3200	2690		
	JUN-SEP	2550	2910	3160	100	3410	3770	3160		
Ashley Ck nr Marion (2)	JUN-JUL	0.5	1.3	1.7	108	2.2	2.9	1.6		
Ability of in Marion (2)	JUN-SEP	0.1	0.5	1.2	110	2.0	3.1	1.1		
				İ		İ				
Swan R nr Bigfork	JUN-JUL	300	330	350	115	370	400	305		
	JUN-SEP	380	415	440	114	465	500	385		
Flathead Lake Inflow (1,2)	JUN-JUL	2260	2810	 3060	99	3310	3860	3100		
	JUN-SEP	2710	3350	3630	100	3920	4550	3620		
Mill Ck ab Bassoo Ck nr Niarada	JUN-JUL JUN-SEP	0.8 1.1	1.1 1.5	1.4 1.7	108 107	1.6 2.0	1.9 2.3	1.3		
	JUN-SEP	1.1	1.5	1./	107	2.0	2.5	1.0		
South Crow Ck nr Ronan	JUN-JUL	6.0	7.0	7.7	120	8.4	9.4	6.4		
	JUN-SEP	7.3	8.5	9.3	119	10.1	11.3	7.8		
Minnieu Charus Cha Temphium	JUN-JUL	16.9	18.6	19.7	113	21	23	17.4		
Mission Ck nr St. Ignatius	JUN-SEP	21	23	25	113	21	23	22		
	SON DEF	21	22	25	110	2/	27	22		
Sf Jocko R nr Arlee	JUN-JUL	17.2	19.4	21	127	23	25	16.5		
	JUN-SEP	22	24	26	128	28	30	20		
NF Jocko R bl Tabor Feeder Canal	JUN-JUL	16.7	18.5	 19.7	133	21	23	14.8		
M SOCKO K DI TADOI FEEDEL CANAL	JUN-SEP	18.5	21	22	133	21	25	16.6		
				İ		ĺ				

				 ==========				
	HEAD RIVER BASIN			FLATHEAD RIVER BASIN				
Reservoir Storage		l of May			Watershed Snowpack	-		012
	Usable		able Stora		 	Number		r as % of
Reservoir	Capacity	This Year	Last Year	Avg	Watershed	of Data Sites		Average
CAMAS (4)	45.2	40.1	28.9	31.2	NF FLATHEAD in CANADA	1	58	253
LOWER JOCKO LAKE	6.4	5.3	4.0	3.5	NF FLATHEAD in MONTANA	6	58	140
MISSION VALLEY (8)	100.0	79.6	46.2	68.7	MIDDLE FORK FLATHEAD	3	62	131
HUNGRY HORSE	3451.0	3067.0	1749.0	2588.0	SOUTH FORK FLATHEAD	2	45	104
FLATHEAD LAKE	1791.0	1391.0	1506.0	1499.2	STILLWATER-WHITEFISH	5	53	171
					SWAN	4	56	121
					MISSION VALLEY	2	61	145
					LITTLE BITTERROOT-ASHLE	Y 0	0	0
					JOCKO	4	47	120
					FLATHEAD in MONTANA	19	54	133
					FLATHEAD RIVER BASIN	20	54	136
					•			

* 90%, 70%, 50%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

The average is computed for the $1971\mathchar`-2000$ base period.

Upper Clark Fork River Basin



Snowpack conditions in the Upper Clark Fork River Basin were near average on June 1. Snow water content was 96 percent of average and 43 percent of last year.

Mountain precipitation during May was 93 percent of average and 73 percent of last year. Valley precipitation during May was 62 percent of average and 70 percent of last year. Mountain and valley water year precipitation, beginning October 1, 2011, was 102 percent of average and 83 percent of last year.

East Fork Rock Creek storage was 131 percent of average and 104 percent of last year; and Nevada Creek storage was 101 percent of average and 97 percent of last year.

Assuming average precipitation, June through July streamflows are forecast to average 83 percent.

Surface Water Supply Index (SWSI) was +1.1 in the Clark Fork River above Milltown; and +2.4 in the Blackfoot River.

UPPER CLARK FORK RIVER BASIN Streamflow Forecasts - June 1, 2012

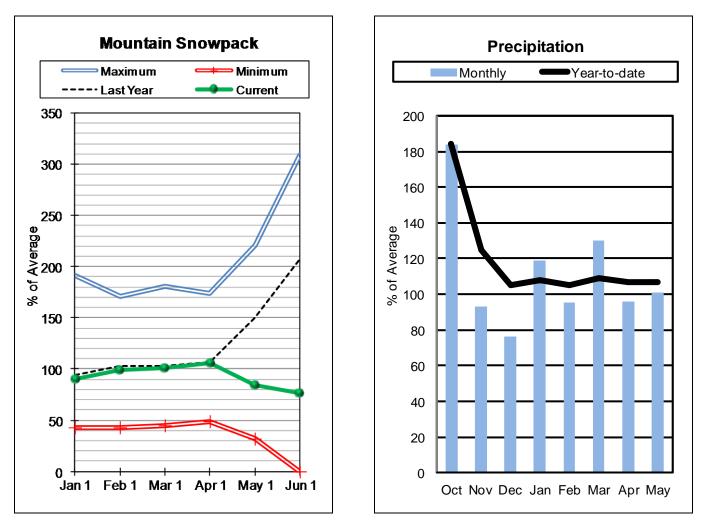
	Streamflow Forecasts - June 1, 2012								
						===== Wetter	=====>>		
Forecast Point	Forecast			= Chance Of E	xceeding * =		i		
	Period	90%	70%	50		30%	10%	30-Yr Avg.	
		(1000AF)	(1000AF)	(1000AF)		(1000AF)	(1000AF)	(1000AF)	
Little Blackfoot R nr Garrison		11.8	20	=====================================	======================================	32	======== 40	32	
Little Blackloot K nr Garrison	JUN-JUL JUN-SEP	15.5	20	26 32	81 82	32 39	40	32 39	
	JUN-SEP	10.5	25	32	02	39	49	39	
Flint Ck nr Southern Cross	JUN-JUL	2.7	4.9	6.4	83	7.9	10.1	7.7	
	JUN-SEP	3.4	6.4	8.4	82	10.4	13.4	10.2	
				İ	İ				
Flint Ck bl Boulder Ck	JUN-JUL	15.3	23	29	88	35	43	33	
	JUN-SEP	24	35	42	88	49	60	48	
			1 0	0.1	4.0	2 0		4.2	
Lower Willow Ck Reservoir Inflow (2)	JUN-JUL JUN-SEP	0.2	1.2 1.6	2.1	49 49	3.0 3.6	4.4 5.2	4.3 5.3	
	JUN-SEP	0.0	1.0	2.0	49	5.0	5.2	5.5	
MF Rock Ck nr Philipsburg	JUN-JUL	20	28	33	85	38	46	39	
··· ···· ··· ··· ··· ··· ··· ··· ··· ·	JUN-SEP	26	34	40	85	46	54	47	
				İ	i				
Rock Ck nr Clinton	JUN-JUL	76	107	127	86	147	178	148	
	JUN-SEP	99	134	157	86	180	215	183	
Clark Fork R ab Milltown	JUN-JUL JUN-SEP	137 192	210 280	260 340	83 83	310 400	385 490	315 410	
	JUN-SEP	192	280	340 	83	400	490	410	
Nevada Ck nr Helmville	JUN-JUL	3.0	4.4	5.4	77	6.4	7.8	7.0	
nevada on hi heimviile	JUN-SEP	3.8	5.4	6.5	77	7.6	9.2	8.5	
Blackfoot R nr Bonner	JUN-JUL	320	365	395	104	425	470	380	
	JUN-SEP	405	450	485	103	520	565	470	
		105							
Clark Fork R ab Missoula	JUN-JUL	485	585	655	94	725	825	695	
	JUN-SEP	625	745	825	94	905	1030	880	
				 =====================================					

UPPER CLARK Reservoir Storage (1	UPPER CLARK FORK RIVER BASIN Watershed Snowpack Analysis - June 1, 2012							
Reservoir	Usable Capacity 	*** Usak This Year	ole Storag Last Year	ge *** Avg	Watershed E	Number of ata Sites		r as % of ======= Average
EAST FORK ROCK CREEK	15.6	13.8	13.3	10.5	CLARK FORK ab FLINT CREE	к 5	39	92
GEORGETOWN LAKE	31.0	30.1		28.1	FLINT CREEK	4	2	7
LOWER WILLOW CREEK		NO REPOR	RΤ		ROCK CREEK	2	21	43
NEVADA CREEK	12.6	11.2	11.5	11.1	CLARK FORK ab BLACKFOOT	10	31	74
					BLACKFOOT	6	52	127
					UPPER CLARK FORK BASIN	15	43	96

-----· * 90%, 70%, 50%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

The average is computed for the 1971-2000 base period.

Bitterroot River Basin



Snowpack conditions in the Bitterroot River Basin were well below average on June 1. Snow water content was 76 percent of average and 37 percent of last year.

Mountain precipitation during May was 106 percent of average and 88 percent of last year. Valley precipitation during May was 67 percent of average and 46 percent of last year. Mountain and valley water year precipitation, beginning October 1, 2011, was 107 percent of average and 89 percent of last year.

Painted Rocks Lake storage was 106 percent of average and 98 percent of last year and Como storage was 112 percent of average and 135 percent of last year.

Assuming near average precipitation, June through July streamflows are forecast to average 88 percent.

Surface Water Supply Index (SWSI) was +1.9 in the Bitterroot River.

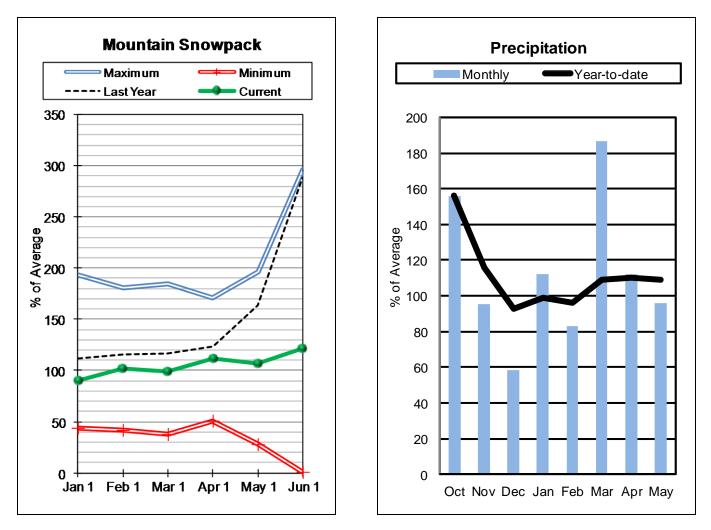
		BIT	TERROOT RIV	ER BASIN						
		Streamflow	/ Forecasts	- June 1, 201	2					
		<<======	Drier ====	== Future Co	onditions ==	===== Wetter	====>>			
Forecast Point	Forecast	========		= Chance Of E	Exceeding * =					
	Period	90%	90% 70% 50% 30% 10%							
		(1000AF)	(1000AF)	(1000AF)	(% AVG.)	(1000AF)	(1000AF)	(1000AF)		
WF Bitterroot R nr Conner (2)	JUN-JUL	37	45	51	74	57	65	69		
	JUN-SEP	41	53	61	74	69	81	82		
Bitterroot R nr Darby	JUN-JUL	157	178	193	80	210	230	240		
	JUN-SEP	194	220	240	81	260	285	295		
Como Reservoir Inflow (2)	JUN-JUL	29	37	42	105	47	55	40		
	JUN-SEP	32	40	46	105	52	60	44		
Bitterroot R nr Missoula	JUN-JUL	510	585	640	93	695	770	690		
	JUN-SEP	605	690	750	94	810	895	800		
	OT RIVER BASI				FTERROOT RIVER					
Reservoir Storage (1	000 AF) - End	of May			Watershed Sr	nowpack Analys	is - June 1	, 2012		
			.e Storage *			Numbe		Year as % of		
		-1 1				-				

Reservoir	Capacity	This	Last		Watershed	of		
	l.	Year	Year	Avg		Data Sites	Last Yr	Average
PAINTED ROCKS LAKE	31.7	32.4	33.1	30.5	WEST FORK BITTERROOT	2	33	75
СОМО	34.9	34.7	25.7	30.9	EAST SIDE BITTERROOT	3	34	64
					WEST SIDE BITTERROOT	3	42	89
					BITTERROOT RIVER BASIN	ı 7	37	76

| _____ * 90%, 70%, 50%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

The average is computed for the 1971-2000 base period.

Lower Clark Fork River Basin



Snowpack conditions in the Lower Clark Fork River Basin were well above average on June 1. Snow water content was 121 percent of average and 42 percent of last year.

Mountain precipitation during May was 102 percent of average and 90 percent of last year. Valley precipitation during May was 71 percent of average and 84 percent of last year. Mountain and valley water year precipitation, beginning October 1, 2011, was 109 percent of average and 86 percent of last year.

Storage at the end of May in Noxon Rapids was 105 percent of average and 101 percent of last year.

Assuming average precipitation, June through July streamflows are forecast to average 105 percent.

Surface Water Supply Index (SWSI) was +1.6 in the Clark Fork River below Bitterroot River and +1.5 in the Clark Fork River below Flathead River.

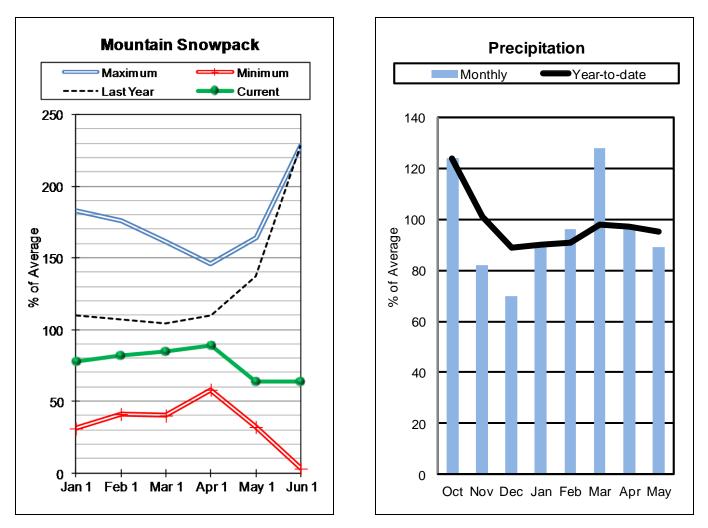
LOWER CLARK FORK RIVER BASIN Streamflow Forecasts - June 1, 2012										
Develope Defect	<pre><<===== Drier ===== Future Conditions ====== Wetter ====>> </pre>									

Forecast Point	Forecast			Ohem	an Of E	xceeding * :				
Forecast Point	Period	90%	70%	== Chan	50 E			=====)%	10%	30-Yr Avg.
	reriou	(1000AF)	(1000AF)	(1	.000AF)	(% AVG.))0AF)	(1000AF)	(1000AF)
		============	=======================================	= =====	=======	============	========	======	(1000111)	=============
Clark Fork R bl Missoula	JUN-JUL	1030	1190	1	1300	94	1	410	1570	1380
	JUN-SEP	1270	1460	i i	1580	94	i 1'	700	1890	1680
				i			İ			
Clark Fork R at St. Regis (1)	JUN-JUL	980	1280	i	1420	80	1!	560	1860	1770
	JUN-SEP	1330	1670	i i	1830	85	19	990	2330	2160
Clark Fork R nr Plains (1,2)	JUN-JUL	3670	4360	1	4680	92		000	5690	5100
	JUN-SEP	4530	5360		5740	94	6	120	6950	6090
Thompson R nr Thompson Falls	JUN-JUL	63	74		81	99		88	99	82
	JUN-SEP	84	97		106	98	-	115	128	108
Prospect Ck at Thompson Falls	JUN-JUL	35	38		41	100		44	47	41
Prospect CK at Inompson Fails	JUN-SEP	43	30 47		50	100		44 53	47 57	41 50
	UON SEF	-15	17		50	100		55	57	50
Clark Fork at Whitehorse Rpds (1,2)	JUN-JUL	4190	4940		5280	94	 5(520	6370	5620
ciain foin ac infochorbe npab (1/2)	JUN-SEP	5240	6140		6540	97		940	7840	6750
							, ==========			
LOWER CLARK F	ORK RIVER B.	ASIN				LOWER	CLARK FO	ORK RI	VER BASIN	
Reservoir Storage (100	0 AF) - End	of May				Watershed Si	nowpack A	Analys	sis - June	L, 2012
	Usable		le Storage '	***				Numbe	er This	Year as % of
Reservoir	Capacity	This	Last		Water	shed		of .		
		Year		Avg				ata Si		Yr Average
										1.01
NOXON RAPIDS	335.0	328.8	326.8 33	13.6	LOWER	CLARK FORK	BASIN	8	42	121
				1						

. * 90%, 70%, 50%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

The average is computed for the 1971-2000 base period.

Jefferson River Basin



Snowpack conditions in the Jefferson River Basin were well below average on June 1. Snow water content was 64 percent of average and 28 percent of last year.

Mountain precipitation during May was 92 percent of average and 61 percent of last year. Valley precipitation during May was 46 percent of average and 52 percent of last year. Mountain and valley water year precipitation, beginning October 1, 2011, was 95 percent of average and 79 percent of last year.

Lima storage was 118 percent of average and 111 percent of last year; Clark Canyon storage was 96 percent of average and 91 percent of last year; Ruby River storage was 99 percent of average and 97 percent of last year.

Assuming average precipitation, June through July streamflows are forecast to average 48 percent.

Surface Water Supply Index (SWSI) was -0.7 in the Beaverhead River; -1.0 in the Ruby River; +0.6 in the Big Hole River; -0.1 in the Boulder River; and +0.4 in the Jefferson River near Three Forks.

JEFFERSON RIVER BASIN Streamflow Forecasts - June 1, 2012											
<<===== Drier ===== Future Conditions ====== Wetter ====>>											
Forecast Point	Forecast Period	======= 90% (1000AF)	70% (1000AF))%	30% (1000AF)	10% (1000AF)	30-Yr Avg. (1000AF)			
Lima Reservoir Inflow (2)	JUN-JUL	5.4	13.5	19.0	49	25	33	39			
	JUN-SEP	5.4	15.9	23	49	30	41	47			
Clark Canyon Reservoir Inflow (2)	JUN-JUL	-23.0	-14.0	3.8	8	22	48	51			
	JUN-SEP	-18.0	-2.4	18.0	24	38	68	76			
Beaverhead R at Barretts (2)	JUN-JUL	-15.0	-1.1	15.0	21	41	79	71			
	JUN-SEP	-10.0	4.0	37	36	70	120	103			
Ruby R Reservoir Inflow (2)	JUN-JUL	14.1	23	29	63	35	44	46			
	JUN-SEP	24	34	42	68	49	60	62			

14.7

17.3

175

205

119

139

18.2

21

3.5

4.0

101

130

30

35

220

260

191

230

23

27

5.6

6.9

179

225

56

56

68

68

49

50

64

63

52

53

48

50

45

53

265

315

265

320

28

33

7.7

9.8

255

320

68

79

330

395

370

455

34

42

10.8

14.0

370

460

54

63

325

380

390

465

36

43

10.8

13.1

370

450

JEFFERSON RIVER BASIN JEFFERSON RIVER BASIN Reservoir Storage (1000 AF) - End of May Watershed Snowpack Analysis - June 1, 2012 _____ Number Usable | *** Usable Storage *** This Year as % of Reservoir Capacity This Last Watershed of _____ Year Year Avg Data Sites Last Yr Average | 77.8 70.3 65.8 BEAVERHEAD 8 23 LIMA 84.0 58 CLARK CANYON 155.5 171.1 161.2 RUBY 255.6 5 30 60 RUBY RIVER 38.8 37.5 38.6 37.9 BIGHOLE 8 34 73 BOULDER 3 31 59 JEFFERSON RIVER BASIN 19 28 64

* 90%, 70%, 50%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

The average is computed for the 1971-2000 base period.

(1) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.

(2) - The value is natural volume - actual volume may be affected by upstream water management.
 (3) - Median value used in place of average.

JUN-JUL

JUN-SEP

JUN-JUL

JUN-SEP

JUN-JUL

JUN-SEP

JUN-JUL

JUN-SEP

JUN-JUL

JUN-SEP

JUN-JUL

JUN-SEP

6.0 7.0

108

124

14.0

5.0

11.4

11.6

0.4

0.8

-14.0

-9.0

Big Hole R at Wisdom

Big Hole R nr Melrose

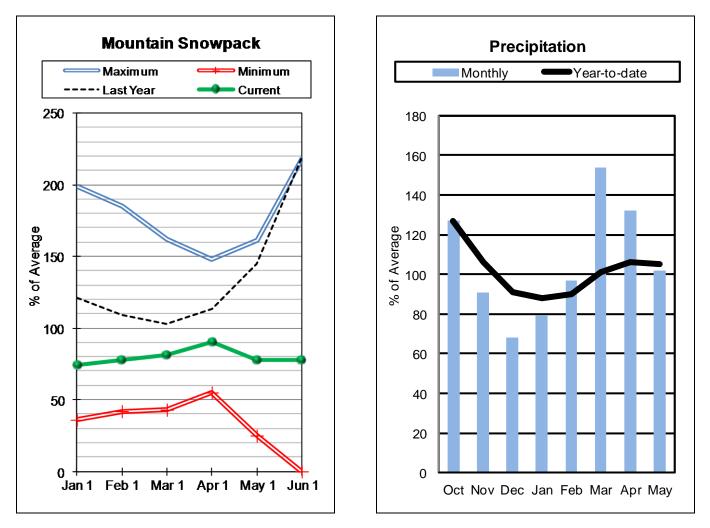
Boulder R nr Boulder

Jefferson R nr Twin Bridges (2)

Willow Ck Reservoir Inflow (2)

Jefferson R nr Three Forks (2)

Madison River Basin



Snowpack conditions in the Madison River Basin were well below average on June 1. Snow water content was 78 percent of average and 36 percent of last year.

Mountain and valley precipitation during May was 102 percent of average and 67 percent of last year. Mountain and valley water year precipitation, beginning October 1, 2011, was 105 percent of average and 85 percent of last year.

Ennis Lake storage at the end of May was 98 percent of average and 107 percent of last year and Hebgen Lake storage was 116 percent of average and 123 percent of last year.

Assuming average precipitation, June through July streamflows are forecast to average 90 percent.

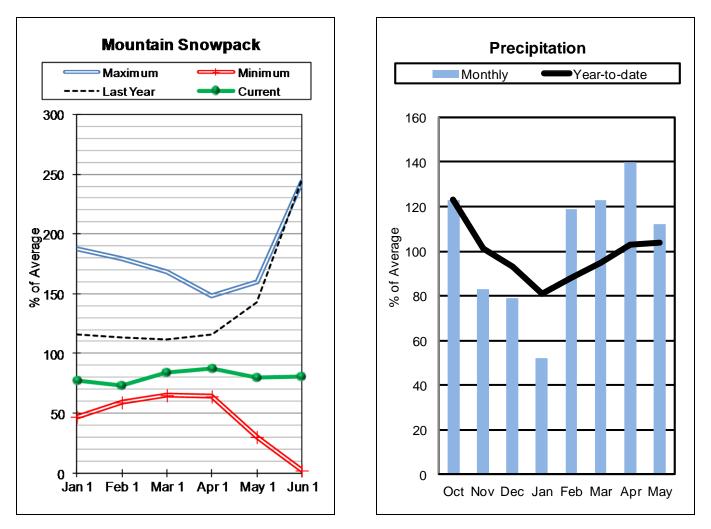
Surface Water Supply Index (SWSI) was +1.4 for the Madison River.

			ADISON RIVE								
		Streamflo	w Forecasts	- Ju	ne 1, 2012						
				=====							
		<<=====	= Drier ===	===	Future Cond	litions ==		Wetter	====>>		
Forecast Point	Forecast			== Ch		ceeding * =					
	Period	90%	70%		50%			30%	10%		Yr Avg.
		(1000AF)	(1000AF)	ļ	(1000AF) (% AVG.)	(10	000AF)	(1000AF)	(1000AF)
				= = = =			======			=====	
Hebgen Reservoir Inflow (2)	JUN-JUL	141	167		184	92		200	225		200
	JUN-SEP	240	270		290	94		310	340		310
Ennis Reservoir Inflow (2)	JUN-JUL	260	300		325	87		350	390		375
	JUN-SEP	385	435		470	87		505	555		540
	N RIVER BASIN						ADISON				
Reservoir Storage (1	000 AF) - End	of May			Wa	atershed Sr	lowpack	Analys	is - June	1, 201	.2
				====							
	Usable		le Storage	* * *				Numbe	r This	Year	as % of
Reservoir	Capacity	This	Last		Watersh	ned		of	====	======	
		Year	Year	Avg			I	Data Si	tes Last	Yr	Average
				=====	=========			======		======	
ENNIS LAKE	41.0	34.7	32.5	35.3	MADISON	I abv HEBGE	IN LAKE	4	44		120
HEBGEN LAKE	377.5	366.1	297.0 3	14.7	MADISON	1 blw HEBGE	EN LAKE	7	31		61
					MADISON	I RIVER BAS	SIN	11	36		78
					1						

* 90%, 70%, 50%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

The average is computed for the 1971-2000 base period.

Gallatin River Basin



Snowpack conditions in the Gallatin River Basin were below average on June 1. Snow water content was 81 percent of average and 33 percent of last year.

Mountain precipitation during May was 119 percent of average and 101 percent of last year. Valley precipitation during May was 70 percent of average and 81 percent of last year. Mountain and valley water year precipitation, beginning October 1, 2011, was 104 percent of average and 87 percent of last year.

Middle Creek storage was 129 percent of average and 124 percent of last year.

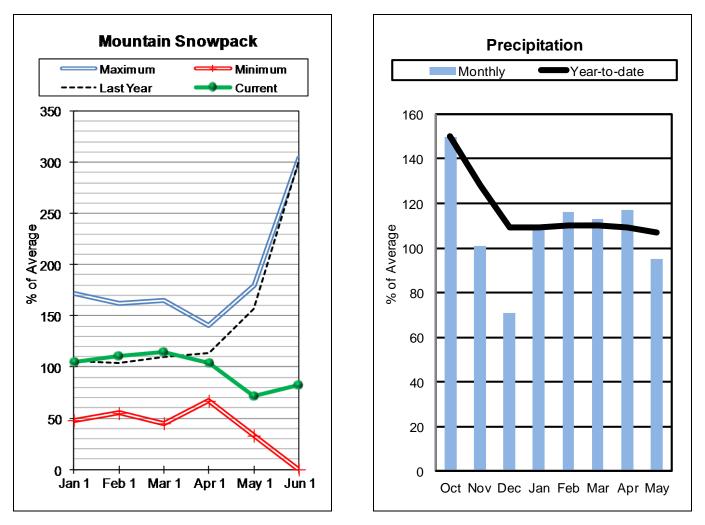
Assuming average precipitation, June through July streamflows are forecast to average 89 percent.

Surface Water Supply Index (SWSI) was -0.3 for the Gallatin River.

			ALLATIN RI							
		Streamflow	w Forecast	s - Ju	ine 1, 2012					
				=====						
		<<======	= Drier ==		Future Condition	ns ======	= Wetter	=====>>		
Forecast Point	Forecast			=== Ch	ance Of Exceedin	1g * =====				
	Period	90%	70%		50%		30%	10%		Yr Avg.
		(1000AF)	(1000AF)		(1000AF) (% AVG		(1000AF)	(1000AF)	(1000AF)
				== ===		1				
Gallatin R nr Gateway	JUN-JUL	192	225		250 88		275	310		285
	JUN-SEP	245	285		315 88	3	345	385		360
Hyalite Reservoir Inflow (2)	JUN-JUL	11.5	13.0		14.0 94		15.0	16.5		14.9
Hyalice Reservoir Inclow (2)	JUN-SEP	13.9	15.8		17.1 95		18.4	20		14.9
	JUN-SEP	13.9	15.8		17.1 95		18.4	20		18.0
Gallatin R at Logan	JUN-JUL	151	205		240 86	5	275	330		280
oarraorn it ao bogan	JUN-SEP	188	260		305 85		350	420		360
	0011 021	100	200		505 05		550	120		500
GALLATI	N RIVER BASIN					GALLAT	IN RIVER	BASIN		
Reservoir Storage (1	000 AF) - End	of May			Watersh	ned Snowpa	ck Analys	is - June	1, 201	.2
				=====						
	Usable		le Storage	* * *			Numbe	r This	Year	as % of
Reservoir	Capacity	This	Last		Watershed		of	====		
		Year	Year	Avg			Data Si	tes Last	Yr	Average
				=====	= = = = = = = = = = = = = = = = = = =					
MIDDLE CREEK	10.2	9.8	7.9	7.6	UPPER GALLAT	TIN	3	33		65
					HYALITE		2	43		95
							0	23		1.00
					BRIDGER		2	23		169
					 GALLATIN RIV	TED DACTN	7	33		81
					GALLATIN RIV	GR DASIN	1	22		01
					I					

* 90%, 70%, 50%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

The average is computed for the 1971-2000 base period.



Snowpack conditions in the Headwaters Missouri Mainstem River Basin were below average on June 1. Snow water content was 82 percent of average and 27 percent of last year.

Mountain precipitation during May was 98 percent of average and 73 percent of last year. Valley precipitation during May was 93 percent of average and 40 percent of last year. Mountain and valley water year precipitation, beginning October 1, 2011, was 107 percent of average and 76 percent of last year.

Canyon Ferry Lake storage was 108 percent of average and 128 percent of last year; Helena Valley storage was 88 percent of average and 77 percent of last year; Lake Helena storage was 76 percent of average and 101 percent of last year; Hauser & Helena storage was 119 percent of average and 100 percent of last year; Holter Lake storage was 102 percent of average and 99 percent of last year; and Fort Peck Lake storage was 100 percent of average and 84 percent of last year.

Assuming average precipitation, June through July streamflows are forecast to average 78 percent.

Surface Water Supply Index (SWSI) was +0.2 in the Missouri River above Canyon Ferry; +0.3 in the Missouri River below Canyon Ferry; +0.4 in the Missouri River above Fort Peck; and +0.3 in the Missouri River below Fort Peck.

MISSOURI MAINSTEM RIVER BASIN

Streamflow Forecasts - June 1, 2012										
		<<======	Drier ====	== Future Co	onditions =:	===== Wetter	=====>>			
Forecast Point	Forecast									
	Period	90%	70%	50)	30%	10%	30-Yr Avg.		
		(1000AF)	(1000AF)	(1000AF)	(% AVG.)	(1000AF)	(1000AF)	(1000AF)		
						= = = = = = = = = = = = = = = = = = =				
Missouri R at Toston (2)	JUN-JUL	460	675	825	76	975	1190	1090		
	JUN-SEP	555	855	1060	75	1260	1570	1420		
Dearborn R nr Craig	JUN-JUL	20	34	44	70	54	68	63		
	JUN-SEP	25	41	52	78	63	79	67		
Missouri R at Fort Benton (2)	JUN-JUL	1020	1170	1280	81	1390	1540	1580		
	JUN-SEP	870	1600	1750	81	1900	2390	2170		
Missouri R nr Virgelle (2)	JUN-JUL	895	1250	1490	82	1730	2090	1820		
	JUN-SEP	1210	1680	2000	82	2320	2780	2430		
Missouri R nr Landusky (2)	JUN-JUL	1000	1380	1640	84	1900	2280	1950		
	JUN-SEP	1310	1830	2180	84	2530	3040	2610		
Missouri R bl Fort Peck Dam (2)	JUN-JUL	925	1290	1530	78	1770	2130	1960		
	JUN-SEP	1220	1680	2000	78	2320	2780	2550		
				ļ						
Lake Sakakawea Inflow (2)	JUN-JUL	2510	3640	4410	76	5180	6310	5800		
	JUN-SEP	3470	4540	5500	76	6460	7530	7240		

				I	I			
	I MAINSTEM RIVER BA e (1000 AF) - End c	MISSOURI MAINSTEM RIVER BASIN Watershed Snowpack Analysis - June 1, 2012						
Reservoir	· · · · · · · · · · · · · · · · · · ·	*** Usa This Year	able Stora Last Year	age *** Avg	Watershed	Number of Data Sites	This Yea ====== Last Yr	r as % of Average
CANYON FERRY LAKE	2043.0	1790.0	1403.0	1656.7	HEADWATERS MAINSTEM	5	27	82
HELENA VALLEY	9.2	6.8	8.8	7.7	SMITH-JUDITH-MUSSELSHEI	L 9	28	109
LAKE HELENA	12.7	11.0	10.9	14.4	SUN-TETON-MARIAS	5	36	118

30

0

32

3

MISSOURI MAINSTEM BASIN 21

106

533

109

* 90%, 70%, 50%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

81.9 81.0 81.8 79.8 MILK RIVER BASIN

74.6 74.3 74.0 62.6 MAINSTEM ab FT PECK RES 18

The average is computed for the 1971-2000 base period.

(1) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.

18910.0 15560.0 18426.0 15495.0

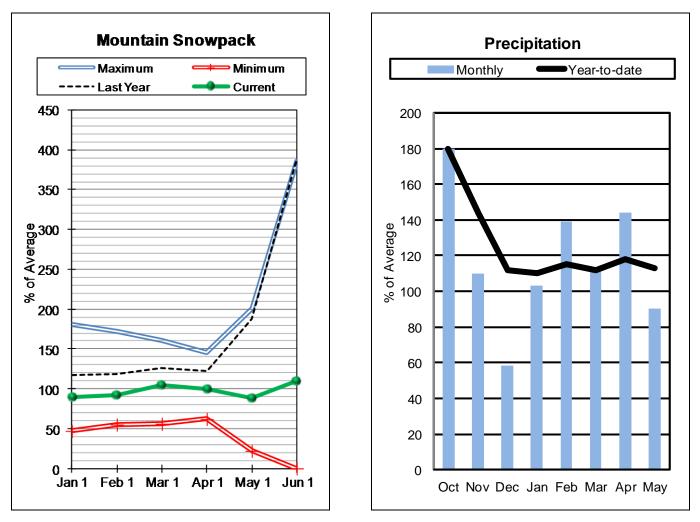
(2) - The value is natural volume - actual volume may be affected by upstream water management.
 (3) - Median value used in place of average.

HAUSER & HELENA

FORT PECK LAKE

HOLTER LAKE

Smith-Judith-Musselshell River Basins



Snowpack conditions in the Smith-Judith-Musselshell River Basins were above average June 1. Snow water content was 109 percent of average and 28 percent of last year. Snow water content in the Smith River Basin was 123 percent of average and 34 percent of last year; the Judith River Basin was 117 percent of average and 31 percent of last year; and the Musselshell Basin River was 17 percent of last year.

Mountain and valley precipitation during May in the Smith-Belts was 103 percent of average and 65 percent of last year; in the Judith was 88 percent of average and 36 percent of last year; and in the Musselshell was 71 percent of average and 27 percent of last year. Mountain and valley water year precipitation for the greater basin, beginning October 1, 2011, was 113 percent of average and 75 percent of last year.

Smith River storage was 114 percent of average and 100 percent of last year; Ackley storage was 124 percent of average and 107 percent of last year; Bair storage was 127 percent of average and 100 percent of last year; Martinsdale storage was 113 percent of average and 103 percent of last year; and Deadman's Basin was 122 percent of average and 92 percent of last year.

Assuming average precipitation, June through July streamflows are forecast to average 94 percent.

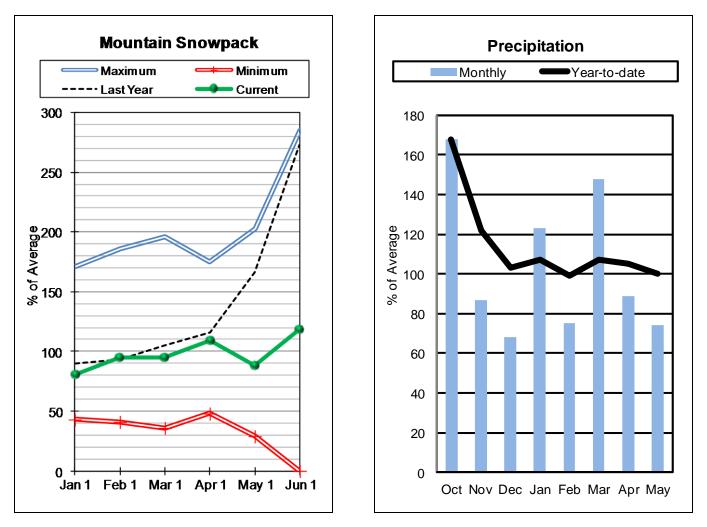
Surface Water Supply Index (SWSI) was +2.8 in the Smith River, +1.6 in the Upper Judith River, and +0.9 in the Musselshell River.

	:			LL RIVER BASI - June 1, 201						
		SCIEANIIIOW	FOLECASUS -	- June I, 201						
		<<=====	Drier =====	== Future Co	onditions ==	===== Wetter	=====>>			
Forecast Point	Forecast Period	90% 70% 50% 30.4r Avg.								
	Period	90% (1000AF)	70% (1000AF)	1 .	(% AVG.)	30% (1000AF)	10% (1000AF)	30-Yr Avg. (1000AF)		
		===========	===========	============	===========	==================	===========	=============		
Sheep Ck nr White Sulphur Springs	JUN-JUL	5.5	7.7	9.2	101	10.7	12.9	9.1		
	JUN-SEP	6.6	9.6	11.6	96	13.6	16.6	12.1		
Smith R bl Eagle Ck (2)	JUN-JUL	41	61	75	100	89	109	75		
Smith R DI Bagie CK (2)	JUN-SEP	41	72	75 91	100	110	137	91		
	OON DEI	15	, 2		100	110	157	21		
NF Musselshell R nr Delpine	JUN-JUL	0.5	1.3	2.4	104	3.6	5.2	2.3		
	JUN-SEP	0.9	2.3	3.3	103	4.3	5.7	3.2		
SF Musselshell R ab Martinsdale	JUN-JUL	5.1	16.4	24	96	32	43	25		
SF MUSSEISHEIT K AD MAICHISUATE	JUN-SEP	5.1 6.9	18.9	24	93	32	43	25		
	0011 021	0.5	1019		23		- /			
Musselshell R at Harlowton (2)	JUN-JUL	0.0	14.2	32	87	50	76	37		
	JUN-SEP	0.0	16.1	34	83	52	78	41		
Musselshall Dave Develop (2)		0.0	17.8	35	75	52	77	47		
Musselshell R nr Roundup (2)	JUN-JUL JUN-SEP	0.0	17.8	35 35	70	52	77	47 50		
	OON DEF	5.0	1,.0	55	,0	52	, ,	50		
	· · · · · · · · · · · · · · · · · · ·									
SMITH-JUDITH-MUSS		SMITH-JUDI	TH-MUSSELSHEL	L RIVER BAS	SINS					

Reservoir Storage (100	Watershed Snowpack Analysis - June 1, 2012							
Reservoir	Usable Capacity 	*** Usak This Year	ole Storag Last Year	ge *** Avg	Watershed	Number of Data Sites	This Yea Last Yr	r as % of Average
SMITH RIVER	10.6	11.6	11.6	10.2	SMITH	6	34	123
ACKLEY LAKE	7.0	6.1	5.7	4.9	HIGHWOOD	0	0	0
BAIR	7.0	7.5	7.5	5.9	JUDITH	4	31	117
MARTINSDALE	23.1	20.5	19.9	18.2	MUSSELSHELL	2	17	0
DEADMAN'S BASIN	72.2	70.4	76.2	57.6	SMITH-JUDITH-MUSSELSHEL	ь 9	28	109

* 90%, 70%, 50%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

The average is computed for the 1971-2000 base period.



Snowpack conditions in the Sun-Teton-Marias River Basins were above average on June 1. Snow water content was 118 percent of average and 36 percent of last year. Snow water content in the Sun River Basin was 79 percent of average and 22 percent of last year; the Teton River Basin was 79 percent of average and 21 percent of last year; and the Marias River Basin was 136 percent of average and 46 percent of last year.

Mountain and valley precipitation during May in the Sun was 97 percent of average and 59 percent of last year; in the Teton was 60 percent of average and 44 percent of last year; and in the Marias was 76 percent of average and 60 percent of last year. Mountain and valley water year precipitation for the greater basin, beginning October 1, 2011, was 100 percent of average and 83 percent of last year.

Gibson storage was 103 percent of average and 124 percent of last year; Pishkun storage was 103 percent of average and 101 percent of last year; Willow Creek storage was 111 percent of average and 99 percent of last year; Lower Two Medicine Lake storage was 102 percent of average and 158 percent of last year; Swift storage was 84 percent of average and 141 percent of last year; Lake Frances storage was 101 percent of average and 84 percent of last year; and Lake Elwell (Tiber) storage was 107 percent of average and 91 percent of last year.

Assuming average precipitation, June through July streamflows are forecast to average 99 percent.

Surface Water Supply Index (SWSI) was +1.0 in the Sun River; +0.1 in the Teton River; +0.1 in the Birch/Dupuyer Creeks; +0.2 in the Marias above Tiber Reservoir.

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SUN-TETON-MARIAS RIVER BASINS Streamflow Forecasts - June 1, 2012

Streamflow Forecasts - June 1, 2012										
		<<======	Drier =====	== Future Co	nditions ==	===== Wetter	:====>>			
Forecast Point	Forecast	========		= Chance Of E	xceeding * :					
	Period	90%	70%	l 50		30%	10% İ	30-Yr Avg.		
		(1000AF)	(1000AF)	(1000AF)	(% AVG.)	(1000AF)	(1000AF)	(1000AF)		
				=====================================		=====================================	,			
Gibson Reservoir Inflow (2)	JUN-JUL	166	198	220	86	240	275	255		
Gibbon Rebervoir inriow (2)	JUN-SEP	197	230	255	84	280	315	305		
	UUN-SEP	197	230	255	04	200	313	305		
Two Medicine R nr Browning (2)	JUN-JUL	70	84	 93	98	102	116	95		
INO MEDICINE R NI BLOWNING (2)										
	JUN-SEP	78	93	104	97	115	130	107		
Badger Ck nr Browning	JUN-JUL	28	38	45	102	52	62	44		
	JUN-SEP	33	45	53	100	61	73	53		
Swift Reservoir Inflow (2)	JUN-JUL	28	34	38	109	42	48	35		
	JUN-SEP	38	46	51	109	56	64	47		
Dupuyer Ck nr Valier	JUN-JUL	0.5	4.0	7.0	108	10.0	14.6	6.5		
	JUN-SEP	0.8	5.4	9.0	108	12.6	18.0	8.3		
				i						
Cut Bank Ck nr Browning	JUN-JUL	27	35	40	95	45	53	42		
eas baint on he browning	JUN-SEP	32	40	46	94	52	60	49		
	0011 021	52	10	1 10		1 32	00			
Marias R nr Shelby (2)	JUN-JUL	82	148	192	105	235	300	183		
Marias R III SHeiby (2)	JUN-SEP	85	159	210	100	235	335	210		
	UUN-SEP	00	109	1 210	100	1 200	222	210		
Matan D was Dutters		1.0	10.4	23	0.5	36	54	27		
Teton R nr Dutton	JUN-JUL		10.4		85					
	JUN-SEP	1.0	13.9	29	83	44	66	35		

SUN-TETON-MARIAS RIVER BASINS SUN-TETON-MARIAS RIVER BASINS Reservoir Storage (1000 AF) - End of May Watershed Snowpack Analysis - June 1, 2012

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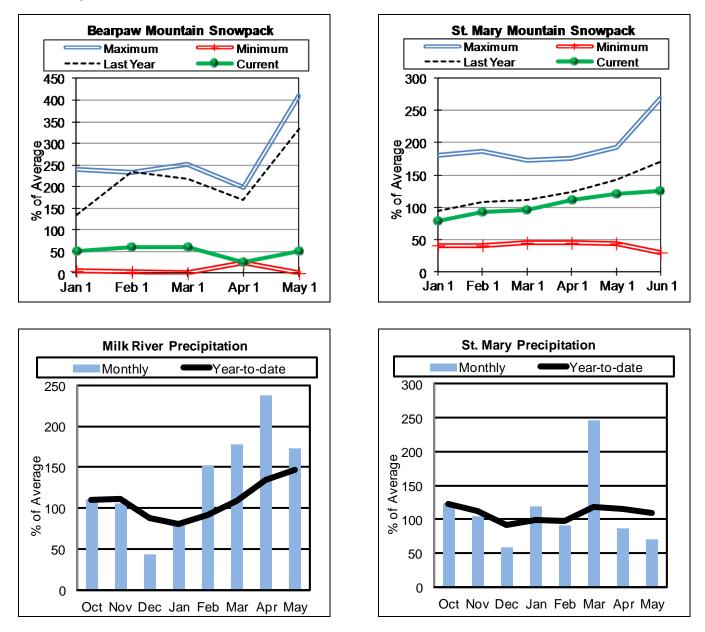
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Reservoir	Usable Capacity 	*** Usa This Year	ble Storag Last Year	ge *** Avg	Watershed	Number of Data Sites	This Year Last Yr	r as % of Average
GIBSON	99.1	92.2	74.6	89.2	SUN	2	22	79
PISHKUN	32.0	31.2	30.8	30.3	TETON	3	21	79
WILLOW CREEK	32.2	31.1	31.5	28.0	MARIAS	2	46	136
LOWER TWO MEDICINE LAKE	11.9	12.5	7.9	12.3	SUN-TETON-MARIAS	5	36	118
FOUR HORNS LAKE	19.2	11.2	11.8	12.7				
SWIFT	30.0	19.7	14.0	23.5				
LAKE FRANCES	112.0	85.1	100.8	83.9				
LAKE ELWELL (TIBER)	1347.0	786.3	868.8	737.7				

------* 90%, 70%, 50%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

The average is computed for the 1971-2000 base period.

St. Mary and Milk River Basins



Snowpack in the Saint Mary River Basin was well above average on June 1. Snow water content was 126 percent of average and 74 percent of last year. The Milk River Basin (Bearpaw Mountains) had little remaining snow as is typically the case on June 1.

Mountain and valley precipitation in the St. Mary River Basin during May was 70 percent of average and 71 percent of last year; and in the Milk River Basin during May was 173 percent of average and 93 percent of last year. Mountain and valley water year precipitation for both basins, beginning October 1, 2011, was 127 percent of average and 95 percent of last year.

Assuming average precipitation, June through July streamflows in the St. Mary are forecast to average 116 percent and the Milk to average 104 percent.

Lake Sherburne storage was 146 percent of average and 170 percent of last year; Fresno storage was 116 percent of average and 93 percent of last year; and Nelson storage was 145 percent of average and 100 percent of last year.

Surface Water Supply Index (SWSI) was +2.4 for the St. Mary and +1.2 for the Milk River.

CH MARY and MILK RIVER DACING

ST. MARY and MILK RIVER BASINS Streamflow Forecasts - June 1, 2012

Streamflow Forecasts - June 1, 2012									
		======================================	Drier ====	== Future Co	onditions =	====== Wetter	=====>>		
Forecast Point	Forecast Period	======= 90% (1000AF)	70% (1000AF)	50 (1000AF)		30% (1000AF)	10% (1000AF)	30-Yr Avg. (1000AF)	
Lake Sherburne Inflow (2)	JUN-JUL JUN-SEP	55 70	63 79	68 68 85	112 109	 73 91	81 100	61 78	
St. Mary R nr Babb (2)	JUN-JUL JUN-SEP	230 285	260 320	280 345	112 110	300 370	330 405	250 315	
St. Mary R at Int'l Boundary (2)	JUN-JUL JUN-SEP	255 320	295 370	325 400	123 116	355 430	395 480	265 345	
Milk R at Western Crossing (3)	JUN-JUL JUN-SEP	1.8 1.1	6.3 7.1	9.3 11.2	98 99	12.4 15.2	16.9 21	9.5 11.3	
Milk R at Eastern Crossing (2,3)	JUN-JUL JUN-SEP	0.5 3.0	7.4 13.2	21 28	108 97	35 43	55 65	19.5 29	
Beaver Ck nr Havre	JUN-JUL	0.1	0.8	4.2	105	7.6	12.5	4.0	
ST. MARY and M Reservoir Storage (100	00 AF) - End				Watershed Si	- RY and MILK RI nowpack Analys	is - June 1	, 2012	
Reservoir	Usable Capacity	This Year	le Storage * Last Year A	** Water vg		Numbe of Data Si	r This ===== tes Last	Year as % of Yr Average	
LAKE SHERBURNE	64.3	50.5	29.7 3	4.6 ST. M	 1ARY	2	74	126	

BEAVER CREEK	NO REPORT				CYPRESS HILLS, CANADA	0	0	0
NELSON	66.8	58.9	58.9	40.6	MILK RIVER BASIN	3	0	533
			ST. MARY & MILK BASINS	5	80	133		

127.0 96.9 103.7 83.5 BEARPAW MOUNTAINS

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533

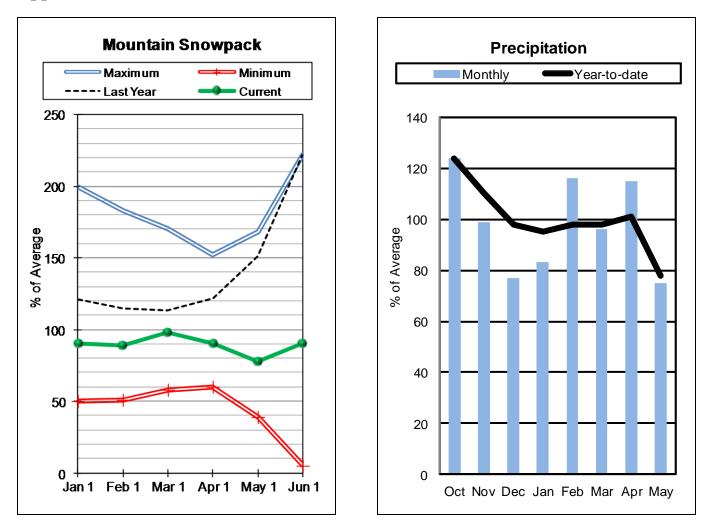
* 90%, 70%, 50%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

The average is computed for the 1971-2000 base period.

The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.
 The value is natural volume - actual volume may be affected by upstream water management.
 - Median value used in place of average.

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Upper Yellowstone River Basin



Snowpack conditions in the Upper Yellowstone River Basin were below average on June 1. Snow water content was 90 percent of average and 40 percent of last year.

Mountain precipitation during May was 107 percent of average and 68 percent of last year. Valley precipitation during May was 74 percent of average and 25 percent of last year. Mountain and valley water year precipitation, beginning October 1, 2011, was 100 percent of average and 74 percent of last year.

Mystic Lake storage was 81 percent of average and 1150 percent of last year and Cooney storage was 95 percent of average and 72 percent of last year.

Assuming average precipitation, June through July streamflows are forecast to average 96 percent.

Surface Water Supply Index (SWSI) was +1.0 in the Yellowstone River above Livingston; +0.1 in the Shields River; -1.0 in the Boulder River; -0.4 in the Stillwater River; -3.4 in the Rock/Red Lodge Creeks; +2.2 in the Clarks Fork River; and +0.8 in the Yellowstone River above Bighorn River.

IIDER VELLOWSTONE RIVER RASIN

UPPER YELLOWSTONE RIVER BASIN Streamflow Forecasts - June 1, 2012

Streamflow Forecasts - June 1, 2012									
			<<===== Drier ===== Future Conditions ====== Wetter ====>>						
		İ					i		
Forecast Point	Forecast								
	Period	90%	70%	50		30%	10%	30-Yr Avg.	
		(1000AF)	(1000AF)		(% AVG.)	(1000AF)	(1000AF)	(1000AF)	
Yellowstone R at Yellowstone Lake	JUN-JUL	395	440	470	97	500	545	485	
	JUN-SEP	545	610	655	94	700	765	695	
				İ		İ			
Yellowstone R at Corwin Springs	JUN-JUL	920	1040	1120	98	1210	1330	1140	
	JUN-SEP	1140	1300	1410	97	1520	1680	1460	
Wallessetana Dist Tissionatan		1020	1180	 1280	98	 1380	1530	1310	
Yellowstone R at Livingston	JUN-JUL JUN-SEP	1030 1290	1490	1280	98 95	1380	1950	1700	
	UON-SEP	1290	1490	1 1020	55	1 1/50	1950	1/00	
Shields R nr Livingston	JUN-JUL	14.0	44	65	94	86	116	69	
	JUN-SEP	17.3	53	78	91	103	139	86	
				İ		ĺ			
Boulder R at Big Timber	JUN-JUL	129	156	175	85	194	220	205	
	JUN-SEP	133	167	190	83	215	245	230	
West Rosebud Ck nr Roscoe (2)	JUN-JUL	42	47	 50	106	 53	58	47	
West Rosebud CK nr Roscoe (2)	JUN-SEP	42 56	47 63	50 67	105	53	58	47 64	
	OON DEI	50	05	0,	105	1 1	70	01	
Stillwater R nr Absarokee (2)	JUN-JUL	285	325	350	96	375	415	365	
	JUN-SEP	345	400	435	95	470	525	460	
Clarks Fk Yellowstone R nr Belfry	JUN-JUL	390	430	455	117	480	520	390	
	JUN-SEP	430	480	515	116	550	600	445	
Cooney Reservoir Inflow (2) (2)	JUN-JUL	2.9	9.1	13.3	58	17.5	24	23	
cooney Reservoir inflow (2) (2)	UON UOL	2.9	<i>J</i> .1	1 13.5	50	1 17.5	27	20	
Cooney Reservoir Inflow (2)	JUN-SEP	8.9	16.4	22	65	27	34	34	
				İ		İ			
Yellowstone R at Billings (2)	JUN-JUL	1760	2130	2380	100	2630	3000	2380	
	JUN-SEP	2560	2670	2990	100	3310	3420	2990	

UPPER YELLOWSTONE RIVER BASIN Watershed Snowpack Analysis - June 1, 2012 UPPER YELLOWSTONE RIVER BASIN
 UPPER TELEDONOTORE KTYCK DASTM
 Watershed Snowpack Analysis - June 1, 2012

 Usable
 *** Usable Storage ***

Reservoir	Capacity	This	Last		Watershed	of		
		Year	Year	Avg	D	ata Sites	Last Yr	Average
MYSTIC LAKE	21.0	4.6	0.4	5.7	YELLOWSTONE ab LIVINGSTO	N 11	41	91
COONEY	27.4	20.5	28.3	21.5	SHIELDS	4	30	113
					BOULDER-STILLWATER	3	36	76
					RED LODGE-ROCK CREEK	2	7	16
					CLARK'S FORK	7	59	109
					UPPER YELLOWSTONE BASIN	23	40	90

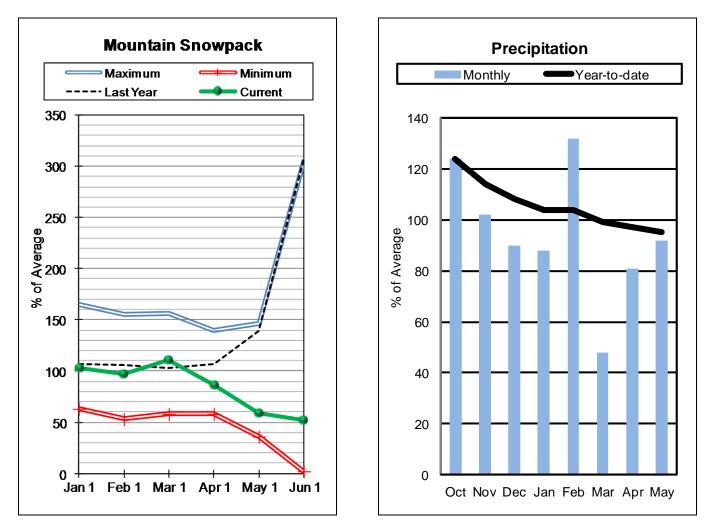
* 90%, 70%, 50%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

The average is computed for the 1971-2000 base period.

(1) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.

(2) - The value is natural volume - actual volume may be affected by upstream water management.
 (3) - Median value used in place of average.

Lower Yellowstone River Basin



Snowpack conditions in the Lower Yellowstone River Basin were well below average on June 1. Snow water content was 52 percent of average and 16 percent of last year.

Mountain and valley precipitation during May was 92 percent of average and 35 percent of last year. Mountain and valley water year precipitation, beginning October 1, 2011, was 95 percent of average and 64 percent of last year.

Bighorn Lake storage was 102 percent of average and 92 percent of last year and Tongue River storage was 169 percent of average and 100 percent of last year.

Assuming average precipitation, June through July streamflows are forecast to average 74 percent.

Surface Water Supply Index (SWSI) was -1.4 in the Bighorn River below Bighorn Lake; -0.8 in the Little Bighorn River; -0.2 in the Yellowstone River below Bighorn River; -1.0 in the Tongue River; and -0.9 in the Powder River.

LOWER YELLOWSTONE RIVER BASIN Streamflow Forecasts - June 1, 2012

Streamflow Forecasts - June 1, 2012										
			<<===== Drier ===== Future Conditions ====== Wetter ====>>							
Forecast Point	Forecast	 ========	======================================							
	Period	90%	70%	50		30%	10%	30-Yr Avg.		
		1 (/	(1000AF)		(% AVG.)		(1000AF)	(1000AF)		
				1	1					
Bighorn R nr St. Xavier (2)	JUN-JUL JUN-SEP	215 146	395 385	520 550	48 44	645 715	825 955	1090 1240		
	JUN-SEP	140	385	550	44	/15	955	1240		
Little Bighorn R nr Hardin	JUN-JUL	28	45	57	85	69	86	67		
-	JUN-SEP	36	56	70	84	84	104	83		
Tongue R nr Dayton (2)	JUN-JUL	28	38	44	76	50	60	58		
	JUN-SEP	31	42	50	70	58	69	71		
Big Goose Ck nr Sheridan	JUN-JUL	17.8	23	27	77	31	36	35		
big coobe ex in biteriaan	JUN-SEP	25	31	35	80	39	45	44		
Little Goose Ck nr Bighorn	JUN-JUL	10.4	13.2	15.1	72	17.0	19.8	21		
	JUN-SEP	15.5	19.4	22	76	25	28	29		
Tonque River Reservoir Inflow (2)	JUN-JUL	44	71	 89	71	107	134	126		
Tongue Kiver Keservorr Infrow (2)	JUN-SEP	46	80	102	67	124	158	153		
Yellowstone R at Miles City (2)	JUN-JUL	2120	2680	3060	85	3440	4000	3600		
	JUN-SEP	3240	3340	3770	85	4180	4300	4450		
Powder R at Moorhead	JUN-JUL	19.0	51	73	70	95	127	105		
Powder R at Moornead	JUN-SEP	26	65	92	72	119	158	128		
	UON-SEP	20	05	52	12	119	100	120		
Powder R nr Locate	JUN-JUL	9.0	52	81	70	110	153	116		
	JUN-SEP	10.0	64	101	72	138	192	141		
		0100	0.55.0	21.40	0.6	2520	41.00	2650		
Yellowstone R nr Sidney (2)	JUN-JUL JUN-SEP	2180 3140	2750 3370	3140 3840	86 86	3530 4310	4100 4540	3650 4460		
	JUN-SEP	3140	3370	3840 	80	4310	4540	4460		
				' ==============	ا =============					
LOWER YELLOWS	STONE RIVER	BASIN			LOWER	YELLOWSTONE F	IVER BASIN			
Reservoir Storage (100	0 AF) - End	of May			Watershed Sr	nowpack Analys	is - June 1	2012		

Reservoir Storage (1000 AF) - End of May					Watershed Snowpack Analysis - June 1, 2012				
Reservoir	Usable Capacity 	*** Usa This Year			Watershed	Number of Data Sites		r as % of Average	
BIGHORN LAKE	1356.0	883.1	956.3	867.1	WIND RIVER (Wyoming)	12	8	26	
TONGUE RIVER	79.1	81.2	81.6	48.0	SHOSHONE RIVER (Wyoming	g) 6	30	59	
					BIGHORN RIVER (Wyoming)	16	26	69	
					LITTLE BIGHORN (Wyoming	g) 2	30	87	
					TONGUE RIVER (Wyoming)	7	15	79	
					POWDER RIVER (Wyoming)	6	0	0	
					LOWER YELLOWSTONE BASIN	J (32	16	52	

j * 90%, 70%, 50%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

The average is computed for the 1971-2000 base period.

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