

FLATHEAD INDIAN IRRIGATION PROJECT WY 2013
RESERVOIR STORAGE

CURRENT DATE: 11/14/2012 11:03 AM
DATE OF STORAGE: 10/31/2012

RESERVOIRS BY BASIN

Mission Valley	Maximum Capacity	Max Usable	Current Usable	Current Storage	Percent Capacity	Percent Usable Capacity	Storage Deficit
TABOR	23483	21,067	520	2,936	13%	2%	20547
MISSION	8135	7,372	287	1,050	13%	4%	7085
McDONALD	8165	8,165	807	807	10%	10%	7358
KICKING HORSE	7190	6,410	1,095	1,875	26%	17%	5315
NINEPIPE	14872	14,036	2,093	2,929	20%	15%	11943
PABLO	28400	27,990	11,323	11,733	41%	40%	16667
TWIN	899	899	434	434	48%	48%	465
	91144	85,939	16,559	21,764	24%	Total Deficit	69,380

Moiese (Mission Valley)

LOWER CROW	803	1	1,104	1,907	238%	na	(1,104)
			1,104			Total Deficit	(1,104)

Jocko Valley

BLACK LAKE	2583	2,533	(47)	3	0%	-2%	2,580
LOWER JOCKO LAKE	6380	6,380	0	0	0%	0%	6,380
	8963	8913	-47	3	0%	Total Deficit	8960

Camas - LBR - Ashley

LITTLE BITTERROOT	26400	24500	17700	19600	74%	72%	6800
HUBBART	12120	12093	4404	4431	37%	36%	7689
UPPER DRY FORK	2810	2397	120	533	19%	5%	2277
LOWER DRY FORK	4090	3224	317	953	25%	10%	3137
	45420	42214	22541	25517	56%	Total Deficit	9937

Date: 11/14/12 11:17 AM

SNOTEL SUMMARY

Green: Mission Valley
 Orange: Jocko Valley
 Blue: Camas - Little Bitterroot

Station Number	Site Name	Elevation (Feet)	Years of Record	Snow Water Equivalent (SWE)						Precipitation, Cumulative to Date						
				Snow Depth (in)	Average	Current	Last Month**	Last Year	% of Last Year	% of Average*	Average	Current	Last Month	Last Year	% of Last Year	% of Average*
667	North Fork Jocko***	6330	90 - 12	13.0	4.7	2.6	0.0	3.5	74.3	55.6	9.7	13.2	0.9	11.7	112.8	136.0
646	Moss Peak	6780	88 - 12	15.0	5.6	2.9	0.0	5.8	50.0	51.7	7.4	7.9	0.4	10.3	76.7	107.3
562	Kraft Creek	4750	81 - 12	4.0	1.1	0.4	0.0	2.0	20.0	36.0	5.4	6.4	1.1	5.6	114.3	119.3
346	Bisson Creek	4920	93 - 12	5.0	0.6	0.5	0.0	1.0	50.0	80.0	3.7	4.4	0.2	6.0	73.3	119.2
901	Stuart Mountain	7400	95 - 12	7.0	3.3	1.9	0.0	3.3	57.6	57.3	5.5	6.7	0.8	7.4	90.5	122.2
783	Sleeping Woman	6150	92 - 12	6.0	1.3	0.6	0.0	1.4	42.9	46.2	4.3	7.3	0.4	5.9	123.7	170.0
1190	Bassoo Lookout	5150	12 - 13									4.6		2.0	230.0	
1165	Ashley Divide	4820	11 - 13									3.6		3.3	109.1	
510	Hand Creek	5035	79 - 12	4.0	1.1	0.7	0.0	0.9	77.8	65.4	3.5	4.8	0.7	4.8	100.0	137.4

Notes: * Percent of average is determined for individual stations for the SNOTEL years of record only.
 ** Last Month as recorded on this summary is the data from 30 days previous to the current date.
 *** North Fork Jocko Snotel used for Mission and Jocko Valley Forecast

SNOW COURSE SUMMARY

Station Number	Site Name	Elevation (Feet)	Years of Record	Snow Water Equivalent (SWE)							
				Last Measured	Snow Depth (in)	SWE	Last Year	Average	% of Last Year	% of Average	
13B04	Fatty Creek	5500	61 - 12		no report						
13B01	Trinkus Lake	6100	49 - 12		no report						
13B05	Upper Holland	6200	48 - 12		no report						
14A19	Ashley Divide	4820	81 - 12		no report						
14A20	Ashley Lake	4000	81 - 12		no report						
14B03	Bassoo Peak	5150	61 - 12		no report						
14A09	Griffin Cr Divide	5150	60 - 12		no report						
14A18	Truman Creek	4060	81 - 12		no report						
14B01	TV Mountain	6800	56 - 12		no report						

CAMAS - LITTLEBITTERROOT - ASHLEY

Snowpack conditions for the Camas - Littlebitterroot area are melted. The Surface Water Supply Index suggests conditions are wet, +2.3. The April - July runoff prediction for Mill Creek near Niarada is 5200 ac-ft. To date we have seen 6579 ac-ft actual stream discharge. Current reservoir storage is 87% of capacity with 39,737 acre-feet total and 36,761 acre-feet usable.

Snow Water Equivalent (SWE)

Station Number	Site Name	Elevation (Feet)	Years of Record	Date Measured	Snow		Last Year	Average	% of Last Year	% of Average
					Depth (in)	SWE				
510	Hand Creek	5035	79 - 12	11/14/12	4	0.7	0.9	1.1	78	65
14B03	Bassoo Peak	5150	61 - 12	no report	0	0	0	0	n/a	
14A19	Ashley Divide	4820	81 - 12	no report	0	0	0	0	n/a	
14A20	Ashley Lake	4000	81 - 12	no report	0	0	0	0	n/a	
14A09	Griffin Cr Divide	5150	60 - 12	no report	0	0	0	0	n/a	
14A18	Truman Creek	4060	81 - 12	no report	0	0	0	0	n/a	
All stations						0.7	0.9	1.1	0	65
Hand Creek						0.7	0.9	1.1	0	65

Mill Creek near Niarada

	Prediction	Average	Actual	Remain
April - July				0
April - September				0

JOCKO VALLEY

Snowpack conditions for the Jocko Valley are 178% of average and 49% of last year. Surface Water Supply Index unavailable, however, generally conditions are slightly wet. The April - July runoff predictions for South Fork Jocko and North Fork Jocko are 37000 ac-ft and 37000 ac-ft, respectively. Current reservoir storage is 87% capacity with 7750 acre-feet usable storage.

Snow Water Equivalent (SWE)

Station Number	Site Name	Elevation (Feet)	Years of Record	Date Measured	Snow		Last Year	Average	% of Last Year	% of Average
					Depth (in)	SWE				
667	North Fork Jocko	6330	90 - 12	no report	13	2.6	3.5	4.7	74	56
901	Stuart Mountain	7400	95 - 12	no report	7	1.9	3.3	3.3	58	57
14801	TV Mountain	6800	56 - 12	no report	0	0	0	0	n/a	
783	Sleeping Woman	6150	92 - 12	no report	6	0.6	1.4	1.30	43	46
All Stations						5.1	8.2	9.3	0	53
North Fork, Stuart, Sleeping Woman						5.1	8.2	9.3	0	53

South Fork Jocko River near Arlee, MT

	Prediction	Average	Actual	Remain
April - July				0
April - September				0

North Fork Jocko River below Tabor Feeder

April - July
April - September

FIIP BASIN SUMMARIES

The Flathead Indian Irrigation Project Basin Summaries include the Mission Valley, Jocko Valley, and Camas. The summary includes the current snowpack, the surface water supply index, and the NRCS Montana State Basin Outlook Report 50 percent chance of exceeding stream runoff predictions for the stream applicable to each basin.

MISSION VALLEY

~~Snowpack conditions are 0% of average and 14% of last year. The surface water supply index suggests conditions are slightly wet, +1.6. The April - July runoff predictions for Mission Creek and South Crow Creek are 26000 ac-ft and 10900 ac-ft, respectively. Current reservoir storage is 91% of capacity with 82,746 acre-feet total and 79,957 acre-feet usable.~~

Snow Water Equivalent (SWE)

Station Number	Site Name	Elevation (Feet)	Years of Record	Snow		SWE	Last Year	Average	% of Last Year	% of Average
				Date Measured	Depth (in)					
646	Moss Peak	6780	88 - 12	11/14/12	15	2.9	5.8	5.6	50	50
667	North Fork Jocko	6330	90 - 12	11/14/12	13	2.6	3.5	4.7	74	74
562	Kraft Creek	4750	81 - 12	11/14/12	4	0.4	2.0	1.1	20	20
346	Bisson Creek	4920	93 - 12	11/14/12	5	0.5	1.0	0.6	50	50
13B04	Fatty Creek	5500	61 - 12	no report	0	0.0	0.0	0.0	n/a	
13B01	Trinkus Lake	6100	49 - 12	no report	0	0.0	0.0	0.0	n/a	
13B05	Upper Holland	6200	48 - 12	no report	0	0.0	0.0	0.0	n/a	
All Stations						6.4	12.3	12.0	0	49
Moss, NFJ, Kraft, Bisson						6.4	12.3	12.0	0	49

Mission Creek above Mission Reservoir

	Prediction	Average	Actual	Remain
April - July				0
April - September				0

South Crow Creek above Pablo Feeder

April - July	0
April - September	0