

Introduction to Timeline

The timeline given below shows the approximate starting and end times of actions and events included in this year's Water Management Plan. It is designed to give a sense of when various actions occur. Dates are approximate and subject to change. Also note actions shown may not occur.










Project Abbreviations

LIB – Libby
HGH – Hungry Horse
LWG – Lower Granite
LGS – Little Goose
LMN – Lower Monumental
IHR – Ice Harbor
MCN – McNary
JDA – John Day
TDA – The Dalles
BON – Bonneville
TMT – Technical Management Team
DWR – Dworshak
PRD – Priest Rapids
ALF – Albeni Falls
GCL – Grand Coulee
RCC – Reservoir Control Center
RFC – River Forecast Center
USBR – US Bureau of Reclamation










ID	Task Name	Start	Finish	Qtr 4, 2010			Qtr 1, 2011			Qtr 2, 2011			Qtr 3, 2011		
				Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	LIB Operate to Minimum Flows / Ramp Rates	Fri 10/1/10	Fri 9/30/11												
2	HGH Operate to Minimum Flows / Ramp Rates	Fri 10/1/10	Fri 9/30/11												
3	TMT Assess Potential of Providing Flow for Chinook Below BON	Fri 10/1/10	Wed 11/10/10												
4	TMT Assess Potential of Providing Flow for Chum Below BON	Fri 10/1/10	Fri 10/1/10												
5	TMT Preliminary Discussions of Flood Control / Refill	Fri 10/1/10	Fri 10/1/10												
6	TMT Albeni Falls Fall / Winter Draw Down Discussions	Fri 10/1/10	Fri 10/1/10												
7	Hanford Reach / Vernita Bar Flows Set (Non-BiOp)	Fri 10/1/10	Fri 10/1/10												
8	TMT Develop Fall / Winter Update	Fri 10/1/10	Fri 10/1/10												
9	DWR Operate at Minimum Outflow	Fri 10/1/10	Fri 9/30/11												
10	PRD Vernita Bar Protection Flows (Non-BiOp)	Fri 10/1/10	Mon 5/9/11												
11	GCL Kokanee Forebay Elevation 1283-1285 ft. (Non-BiOp)	Fri 10/1/10	Mon 11/1/10												
12	JDA Waterfowl Hunting Enhancement (Non-BiOp)	Thu 10/7/10	Mon 1/17/11												
13	MCN Waterfowl Hunting Enhancement (Non-BiOp)	Tue 11/2/10	Mon 1/17/11												
14	LIB Storage May be Used to Support Chum Flows	Tue 11/2/10	Wed 2/23/11												
15	HGH Storage May be Used to Support Chum Flows	Tue 11/2/10	Wed 2/23/11												
16	ALF Storage May be Used to Support Chum Flows	Tue 11/2/10	Wed 2/23/11												
17	GCL Storage May be Used to Support Chum Flows	Tue 11/2/10	Wed 2/23/11												
18	DWR Storage May be Used to Support Chum Flows	Tue 11/2/10	Wed 2/23/11												
19	BON Provide Chum Flows	Tue 11/2/10	Fri 4/22/11												
20	TMT Determine Winter / Spring Chum Flow Levels	Tue 11/2/10	Fri 4/22/11												
21	HEPB Determine Flood Control / Refill Strategies	Wed 12/1/10	Fri 4/15/11												
22	HEPB Determine Flood Control Shifts	Wed 12/1/10	Wed 12/1/10												
23	LIB Operate to Flood Control Curve	Wed 12/1/10	Thu 6/30/11												
24	DWR Operate to Flood Control Curve	Wed 12/1/10	Thu 6/30/11												
25	ALB Operate to Flood Control Curve	Fri 9/10/10	Wed 6/22/11												
26	GCL Operate to Flood Control Curve	Wed 12/1/10	Thu 6/30/11												
27	HGH Operate to Flood Control Curve	Wed 12/1/10	Thu 6/30/11												
28	ARDB Whitefish Flows 45-55 kcfs (non-BiOp)	Tue 12/21/10	Mon 3/28/11												
29	LIB Burbot Flows 6-8 kcfs (non-BiOp)	Sat 1/1/11	Thu 3/3/11												
30	ARDB 1 MAF Flow Augmentation Filling	Sat 1/1/11	Mon 4/25/11												
31	RFC January Final Forecast	Fri 1/7/11	Fri 1/7/11												
32	TMT Preliminary Work on Spring/Summer Update	Sat 1/15/11	Sat 1/15/11												

Project: 2011 WMP Appendix 3 Date: Tue 12/21/10	Task		Milestone		External Tasks	
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33	TMT Begin Discussing Spring Operations	Tue 2/1/11	Tue 3/1/11													
34	TMT Begin Spring Transport Discussions	Tue 2/1/11	Tue 2/1/11													
35	TMT Hanford Reach Operations Discussions (non-BiOp)	Tue 2/1/11	Tue 2/1/11													
36	RFC February Final Forecast	Mon 2/7/11	Mon 2/7/11													
37	USBR Min. Flows from HGH and at Columbia Falls Set	Tue 3/1/11	Tue 3/1/11													
38	BON Spring Creek Hatchery Release from Bon Hatch (non-BiOp)	Tue 3/1/11	Thu 3/10/11													
39	RCC Outlook for Meeting Flow Objectives Prepared	Tue 3/1/11	Tue 3/1/11													
40	RFC March Final Forecast	Sun 3/7/10	Sun 3/7/10													
41	LWG Operate to 1% Peak Efficiency	Fri 4/1/11	Mon 10/31/11													
42	LGS Operate to 1% Peak Efficiency	Fri 4/1/11	Mon 10/31/11													
43	LMN Operate to 1% Peak Efficiency	Fri 4/1/11	Mon 10/31/11													
44	IHR Operate to 1% Peak Efficiency	Fri 4/1/11	Mon 10/31/11													
45	MCN Operate to 1% Peak Efficiency	Fri 4/1/11	Mon 10/31/11													
46	JDA Operate to 1% Peak Efficiency	Fri 4/1/11	Mon 10/31/11													
47	TDA Operate to 1% Peak Efficiency	Fri 4/1/11	Mon 10/31/11													
48	BON Operate to 1% Peak Efficiency	Fri 4/1/11	Mon 10/31/11													
49	JDA Goose Nesting Enhancement (non-BiOp)	Tue 3/15/11	Mon 5/30/11													
50	MCN Protect Nesting Waterfowl (non-BiOp)	Tue 3/15/11	Wed 7/13/11													
51	Juvenile Fish Collection	Tue 3/29/11	Wed 9/28/11													
52	TMT Determine Start Dates for Spring Spill	Fri 4/1/11	Fri 4/1/11													
53	TMT Determine Start Dates for MOP Operations	Fri 4/1/11	Fri 4/1/11													
54	RCC Determine JDA Elevations	Fri 4/1/11	Fri 4/1/11													
55	LIB Start Operational Plan	Fri 4/1/11	Fri 4/1/11													
56	HGH Start Operational Plan	Fri 4/1/11	Fri 4/1/11													
57	Finish Spring/Summer Update	Fri 4/1/11	Fri 4/1/11													
58	TDA Wasco Co. Sampling Tuesdays (non-BiOp)	Fri 4/1/11	Mon 8/29/11													
59	USBR Upper Snake Augmentation Determined	Fri 4/1/11	Fri 4/1/11													
60	PRD Hanford Reach Protection Flows (non-BiOp)	Fri 4/1/11	Tue 6/28/11													
61	ARDB Trout Spawning Flows 15-25 kcfs (non-BiOp)	Fri 4/1/11	Tue 6/28/11													
62	LWG Spring Flow Objective	Sun 4/3/11	Mon 6/20/11													
63	LWG MOP Operation	Mon 4/4/11	Wed 8/31/11													
64	LGS MOP Operation	Tue 4/5/11	Tue 8/30/11													

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65	LMN MOP Operation	Thu 4/7/11	Tue 8/30/11												
66	IHR MOP Operation	Thu 4/7/11	Fri 8/26/11												
67	LWG Spill for Juvenile Fish Operation	Sun 4/3/11	Fri 6/17/11												
68	LGS Spill for Juvenile Fish Operation	Tue 4/5/11	Mon 6/20/11												
69	LMN Spill for Juvenile Fish Operation	Thu 4/7/11	Mon 6/20/11												
70	IHR Spill for Juvenile Fish Operation	Thu 4/7/11	Tue 8/30/11												
71	RFC April Final Forecast	Thu 4/7/11	Thu 4/7/11												
72	TMT Set Flow Objectives / Refill Strategy	Thu 4/7/11	Thu 4/7/11												
73	LIB Be at April 10 Flood Control Elevation	Sun 4/10/11	Sun 4/10/11												
74	GCL Be at April 10 Flood Control Elevation	Sun 4/10/11	Sun 4/10/11												
75	DWR Be at April 10 Flood Control Elevation	Sun 4/10/11	Sun 4/10/11												
76	HGH Be at April 10 Flood Control Elevation	Sun 4/10/11	Sun 4/10/11												
77	ALB Be at April 10 Flood Control Elevation	Sun 4/10/11	Sun 4/10/11												
78	MCN Spring Flow Objective	Sun 4/10/11	Thu 6/30/11												
79	PRD Spring Flow Objective	Sun 4/10/11	Thu 6/30/11												
80	JDA Minimum Irrigation Pool	Sun 4/10/11	Fri 9/30/11												
81	MCN Spill for Juvenile Fish Passage	Sun 4/10/11	Wed 8/31/11												
82	JDA Spill for Juvenile Fish Passage	Sun 4/10/11	Wed 8/31/11												
83	TDA Spill for Juvenile Fish Passage	Sun 4/10/11	Wed 8/31/11												
84	BON Spill for Juvenile Fish Passage	Sun 4/10/11	Wed 8/31/11												
85	HGH Operational Plan Due	Wed 11/17/10	Wed 11/17/10												
86	LIB Operational Plan Due	Tue 5/3/11	Tue 5/3/11												
87	LIB Sturgeon Pulse	Tue 5/3/11	Thu 6/30/11												
88	ARDB 1MAF Flow Augmentation Drafting (non-BiOp)	Tue 5/3/11	Fri 7/29/11												
89	RFC May Final Forecast	Fri 5/6/11	Fri 5/6/11												
90	TMT Determine Volume of Water Available for Sturgeon Pulse	Fri 5/6/11	Fri 5/6/11												
91	RFC June Final Forecast	Tue 6/7/11	Tue 6/7/11												
92	TMT Determine Summer Flow Objective	Tue 6/7/11	Tue 6/7/11												
93	DWR Temperature Modeling and Release Strategy	Wed 6/15/11	Wed 6/15/11												
94	Start Work on Next Years Water Management Plan	Wed 6/15/11	Wed 6/15/11												
95	LWG Summer Flow Objective	Tue 6/21/11	Wed 8/31/11												
96	MCN Determine Summer Transport Date	Fri 6/24/11	Fri 6/24/11												

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97	LIB Refill by June 30	Thu 6/30/11	Thu 6/30/11												
98	GCL Refill by June 30	Thu 6/30/11	Thu 6/30/11												
99	DWR Refill by June 30	Thu 6/30/11	Thu 6/30/11												
100	HGH Refill by June 30	Thu 6/30/11	Thu 6/30/11												
101	ALF Refill by June 30	Thu 6/30/11	Thu 6/30/11												
102	LIB Operate to Meet Summer Flow Objectives	Fri 7/1/11	Wed 8/31/11												
103	GCL Operate to Meet Summer Flow Objectives	Fri 7/1/11	Wed 8/31/11												
104	HGH Operate to Meet Summer Flow Objectives	Fri 7/1/11	Wed 8/31/11												
105	ALF Operate to Meet Summer Flow Objectives	Fri 7/1/11	Wed 8/31/11												
106	DWR Operate to Meet Summer Flow Objectives	Fri 7/1/11	Wed 8/31/11												
107	MCN Summer Flow Objective	Fri 7/1/11	Wed 8/31/11												
108	GCL Operate Banks Lake 5 ft. from Full	Fri 7/1/11	Wed 8/31/11												
109	LIB Bull Trout Releases	Fri 7/1/11	Mon 8/1/11												
110	LIB Libby / Arrow Swap Considered	Fri 7/1/11	Fri 7/1/11												
111	LIB Summer Draft Limit 2439 ft.	Fri 9/30/11	Fri 9/30/11												
112	HGH Summer Draft Limit 3540 ft.	Fri 9/30/11	Fri 9/30/11												
113	GCL Summer Draft Limit 1280 or 1278 ft.	Wed 8/31/11	Wed 8/31/11												
114	DWR Summer Draft Limit 1520 ft.	Tue 9/20/11	Tue 9/20/11												
115	GCL Banks Lake Drafted to 1565 ft.	Wed 8/31/11	Wed 8/31/11												
116	DWR Operate to Minimum Outflow	Thu 9/1/11	Fri 9/30/11												
117	Completion of Next Year's Water Management Plan	Tue 9/20/11	Tue 9/20/11												
118	GCL Kokanee Forebay Elevation 1283 ft. (non-BiOp)	Fri 9/30/11	Fri 9/30/11												

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