

Introduction to Timeline

The time line 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 happen.










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, 2009			Qtr 1, 2010			Qtr 2, 2010			Qtr 3, 2010		
				Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	LIB Operate to Minimum Flows / Ramp Rates	Thu 10/1/09	Thu 9/30/10												
2	HGH Operate to Minimum Flows / Ramp Rates	Thu 10/1/09	Thu 9/30/10												
3	LWG Operate to 1% Peak Efficiency	Thu 10/1/09	Mon 11/30/09												
4	LMN Operate to 1% Peak Efficiency	Thu 10/1/09	Mon 11/30/09												
5	LGS Operate to 1% Peak Efficiency	Thu 10/1/09	Mon 11/30/09												
6	IHR Operate to 1% Peak Efficiency	Thu 10/1/09	Mon 11/30/09												
7	MCN Operate to 1% Peak Efficiency	Thu 10/1/09	Fri 10/30/09												
8	JDA Operate to 1% Peak Efficiency	Thu 10/1/09	Fri 10/30/09												
9	TDA Operate to 1% Peak Efficiency	Thu 10/1/09	Fri 10/30/09												
10	BON Operate to 1% Peak Efficiency	Thu 10/1/09	Fri 10/30/09												
11	TMT Assess Potential of Providing Flow for Chinook Below BON	Thu 10/1/09	Tue 11/10/09												
12	TMT Assess Potential of Providing Flow for Chum Below BON	Thu 10/1/09	Thu 10/1/09												
13	TMT Preliminary Discussions of Flood Control / Refill	Thu 10/1/09	Thu 10/1/09												
14	TMT Albeni Falls Fall / Winter Draw Down Discussions	Thu 10/1/09	Thu 10/1/09												
15	Hanford Reach / Vernita Bar Flows Set (Non-BiOp)	Thu 10/1/09	Thu 10/1/09												
16	TMT Develop Fall / Winter Update	Thu 10/1/09	Thu 10/1/09												
17	DWR Operate at Minimum Outflow	Thu 10/1/09	Tue 6/29/10												
18	PRD Vernita Bar Protection Flows (Non-BiOp)	Thu 10/1/09	Fri 5/14/10												
19	GCL Kokanee Forebay Elevation 1283-1285 ft. (Non-BiOp)	Thu 10/1/09	Fri 10/30/09												
20	JDA Waterfowl Hunting Enhancement (Non-BiOp)	Wed 10/7/09	Wed 1/20/10												
21	MCN Waterfowl Hunting Enhancement (Non-BiOp)	Mon 11/2/09	Wed 1/20/10												
22	LIB Storage May be Used to Support Chum Flows	Mon 11/2/09	Fri 2/26/10												
23	HGH Storage May be Used to Support Chum Flows	Mon 11/2/09	Fri 2/26/10												
24	ALF Storage May be Used to Support Chum Flows	Mon 11/2/09	Fri 2/26/10												
25	GCL Storage May be Used to Support Chum Flows	Mon 11/2/09	Fri 2/26/10												
26	DWR Storage May be Used to Support Chum Flows	Mon 11/2/09	Fri 2/26/10												
27	BON Provide Chum Flows	Mon 11/2/09	Thu 4/29/10												
28	TMT Determine Winter / Spring Chum Flow Levels	Mon 11/2/09	Thu 4/29/10												
29	RCC Determine Flood Control / Refill Strategies	Tue 11/17/09	Tue 11/17/09												
30	RCC Determine and Flood Control Shifts	Tue 12/1/09	Tue 12/1/09												
31	LIB Operate to Flood Control Curve	Tue 12/1/09	Tue 6/29/10												
32	DWR Operate to Flood Control Curve	Tue 12/1/09	Tue 6/29/10												

Project: 2010 WMP Appendix 3 Date: Mon 12/21/09	Task		Milestone		External Tasks	
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				Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	
33	ALB Operate to Flood Control Curve	Tue 12/1/09	Tue 6/29/10													
34	GCL Operate to Flood Control Curve	Tue 11/17/09	Tue 6/15/10													
35	HGH Operate to Flood Control Curve	Tue 12/1/09	Tue 6/29/10													
36	ARDB Whitefish Flows 45-55 kcfs (non-BiOp)	Mon 12/21/09	Wed 3/31/10													
37	LIB Burbot Flows 6-8 kcfs (non-BiOp)	Fri 1/1/10	Mon 3/8/10													
38	ARDB 1 MAF Flow Augmentation Filling	Fri 1/1/10	Fri 4/30/10													
39	RFC January Final Forecast	Fri 1/8/10	Fri 1/8/10													
40	TMT Preliminary Work on Spring/Summer Update	Fri 1/15/10	Fri 1/15/10													
41	TMT Begin Discussing Spring Operations	Mon 2/1/10	Mon 2/1/10													
42	TMT Begin Spring Transport Discussions	Mon 2/1/10	Mon 2/1/10													
43	TMT Hanford Reach Operations Discussions (non-BiOp)	Mon 2/1/10	Mon 2/1/10													
44	RFC February Final Forecast	Mon 2/8/10	Mon 2/8/10													
45	USBR Min. Flows from HGH and at Columbia Falls	Mon 3/1/10	Mon 3/1/10													
46	BON Spring Creek Hatchery Release (non-BiOp)	Mon 3/1/10	Wed 3/10/10													
47	RCC Outlook for Meeting Flow Objectives Prepared	Mon 3/1/10	Mon 3/1/10													
48	RFC March Final Forecast	Mon 3/8/10	Mon 3/8/10													
49	LWG Operate to 1% Peak Efficiency	Mon 3/15/10	Thu 9/30/10													
50	LMN Operate to 1% Peak Efficiency	Mon 3/15/10	Thu 9/30/10													
51	LGS Operate to 1% Peak Efficiency	Mon 3/15/10	Thu 9/30/10													
52	IHR Operate to 1% Peak Efficiency	Mon 3/15/10	Thu 9/30/10													
53	MCN Operate to 1% Peak Efficiency	Mon 3/15/10	Thu 9/30/10													
54	JDA Operate to 1% Peak Efficiency	Mon 3/15/10	Thu 9/30/10													
55	TDA Operate to 1% Peak Efficiency	Mon 3/15/10	Thu 9/30/10													
56	BON Operate to 1% Peak Efficiency	Mon 3/15/10	Thu 9/30/10													
57	JDA Goose Nesting Enhancement (non-BiOp)	Mon 3/15/10	Tue 6/1/10													
58	MCN Protect Nesting Waterfowl (non-BiOp)	Mon 3/15/10	Thu 7/15/10													
59	Juvenile Fish Collection	Mon 3/29/10	Thu 9/30/10													
60	TMT Determine Start Dates for Spring Spill	Thu 4/1/10	Thu 4/1/10													
61	TMT Determine Start Dates for MOP Operations	Thu 4/1/10	Thu 4/1/10													
62	RCC Determine JDA Elevations	Thu 4/1/10	Thu 4/1/10													
63	LIB Start Operational Plan	Thu 4/1/10	Thu 4/1/10													
64	HGH Start Operational Plan	Thu 4/1/10	Thu 4/1/10													

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				Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	
65	Finish Spring/Summer Update	Thu 4/1/10	Thu 4/1/10													
66	TDA Wasco Co. Sampling Tuesdays (non-BiOp)	Thu 4/1/10	Tue 8/31/10													
67	USBR Upper Snake Augmentation Determined	Thu 4/1/10	Thu 4/1/10													
68	PRD Hanford Reach Protection Flows (non-BiOp)	Thu 4/1/10	Wed 6/30/10													
69	ARDB Trout Spawning Flows 15-25 kcfs (non-BiOp)	Thu 4/1/10	Wed 6/30/10													
70	LWG Spring Flow Objective	Mon 4/5/10	Mon 6/21/10													
71	LWG MOP Operation	Mon 4/5/10	Thu 9/30/10													
72	LGS MOP Operation	Mon 4/5/10	Tue 8/31/10													
73	LMN MOP Operation	Mon 4/5/10	Tue 8/31/10													
74	LGS MOP Operation	Mon 4/5/10	Tue 8/31/10													
75	LWG Spill for Juvenile Fish Operation	Mon 4/5/10	Mon 6/21/10													
76	LGS Spill for Juvenile Fish Operation	Mon 4/5/10	Mon 6/21/10													
77	LMN Spill for Juvenile Fish Operation	Mon 4/5/10	Mon 6/21/10													
78	IHR Spill for Juvenile Fish Operation	Mon 4/5/10	Tue 8/31/10													
79	RFC April Final Forecast	Wed 4/7/10	Wed 4/7/10													
80	TMT Set Flow Objectives / Refill Strategy	Wed 4/7/10	Wed 4/7/10													
81	LIB Be at April 10 Flood Control Elevation	Mon 4/12/10	Mon 4/12/10													
82	GCL Be at April 10 Flood Control Elevation	Mon 4/12/10	Mon 4/12/10													
83	DWR Be at April 10 Flood Control Elevation	Mon 4/12/10	Mon 4/12/10													
84	HGH Be at April 10 Flood Control Elevation	Mon 4/12/10	Mon 4/12/10													
85	ALB Be at April 10 Flood Control Elevation	Mon 4/12/10	Mon 4/12/10													
86	MCN Spring Flow Objective	Mon 4/12/10	Wed 6/30/10													
87	PRD Spring Flow Objective	Mon 4/12/10	Wed 6/30/10													
88	JDA Minimum Irrigation Pool	Mon 4/12/10	Thu 9/30/10													
89	MCN Spill for Juvenile Fish Passage	Mon 4/12/10	Wed 6/30/10													
90	JDA Spill for Juvenile Fish Passage	Mon 4/12/10	Tue 8/31/10													
91	TDA Spill for Juvenile Fish Passage	Mon 4/12/10	Tue 8/31/10													
92	TDA Spill for Juvenile Fish Passage	Mon 4/12/10	Tue 8/31/10													
93	HGH Operational Plan Due	Tue 11/17/09	Tue 11/17/09													
94	LIB Operational Plan Due	Mon 5/3/10	Mon 5/3/10													
95	LIB Sturgeon Pulse	Mon 5/3/10	Wed 6/30/10													
96	ARDB 1MAF Flow Augmentation Drafting (non-BiOp)	Mon 5/3/10	Thu 7/29/10													

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97	RFC May Final Forecast	Thu 5/6/10	Thu 5/6/10														
98	TMT Determine Volume of Water Available for Sturgeon Pulse	Thu 5/6/10	Thu 5/6/10														
99	RFC June Final Forecast	Mon 6/7/10	Mon 6/7/10														
100	TMT Determine Summer Flow Objective	Mon 6/7/10	Mon 6/7/10														
101	DWR Temperature Modeling and Release Strategy	Tue 6/15/10	Tue 6/15/10														
102	Start Work on Next Years Water Management Plan	Tue 6/15/10	Tue 6/15/10														
103	LWG Summer Flow Objective	Mon 6/21/10	Tue 8/31/10														
104	MCN Determine Summer Transport Date	Thu 6/24/10	Thu 6/24/10														
105	LIB Refill by June 30	Wed 6/30/10	Wed 6/30/10														
106	GCL Refill by June 30	Wed 6/30/10	Wed 6/30/10														
107	DWR Refill by June 30	Wed 6/30/10	Wed 6/30/10														
108	HGH Refill by June 30	Wed 6/30/10	Wed 6/30/10														
109	ALF Refill by June 30	Wed 6/30/10	Wed 6/30/10														
110	LIB Operate to Meet Summer Flow Objectives	Thu 7/1/10	Tue 8/31/10														
111	GCL Operate to Meet Summer Flow Objectives	Thu 7/1/10	Tue 8/31/10														
112	HGH Operate to Meet Summer Flow Objectives	Thu 7/1/10	Tue 8/31/10														
113	ALF Operate to Meet Summer Flow Objectives	Thu 7/1/10	Tue 8/31/10														
114	DWR Operate to Meet Summer Flow Objectives	Thu 7/1/10	Tue 8/31/10														
115	MCN Summer Flow Objective	Thu 7/1/10	Tue 8/31/10														
116	GCL Operate Banks Lake 5 ft. from Full	Thu 7/1/10	Tue 8/31/10														
117	LIB Bull Trout Releases	Thu 7/1/10	Fri 7/30/10														
118	LIB Libby / Arrow Swap Considered	Thu 7/1/10	Thu 7/1/10														
119	LIB Summer Draft Limit 2439 ft.	Tue 8/31/10	Tue 8/31/10														
120	HGH Summer Draft Limit 3540 ft.	Tue 8/31/10	Tue 8/31/10														
121	GCL Summer Draft Limit 1280 or 1278 ft.	Tue 8/31/10	Tue 8/31/10														
122	DWR Summer Draft Limit 1520 ft.	Tue 8/31/10	Tue 8/31/10														
123	GCL Banks Lake Drafted to 1565 ft.	Tue 8/31/10	Tue 8/31/10														
124	DWR Operate to Minimum Outflow	Wed 9/1/10	Thu 9/30/10														
125	Completion of Next Year's Water Management Plan	Mon 9/20/10	Mon 9/20/10														
126	GCL Kokanee Forebay Elevation 1283 ft. (non-BiOp)	Thu 9/30/10	Thu 9/30/10														

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