

## 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

<b>ID</b>	<b>Task Name</b>	<b>Start</b>	<b>Finish</b>
1	LIB Operate to Minimum Flows / Ramp Rates	10/1/14	9/30/15
2	HGH Operate to Minimum Flows / Ramp Rates	10/1/14	9/30/15
3	TMT Assess Potential of Providing Flow for Chinook Below BON	10/1/14	11/30/14
4	TMT Assess Potential of Providing Flow for Chum Below BON	10/1/14	11/30/14
5	TMT Preliminary Discussions of Flood Control / Refill	10/1/14	10/1/14
6	TMT Albeni Falls Fall / Winter Draw Down Discussions	10/1/14	10/1/14
7	Hanford Reach / Vernita Bar Flows Set (Non-BiOp)	10/1/14	10/1/14
8	DWR Operate at Minimum Outflow	10/1/14	9/30/15
9	PRD Vernita Bar Protection Flows (Non-BiOp)	10/1/14	5/9/15
10	MCN Waterfowl Hunting Enhancement (Non-BiOp)	10/1/14	1/31/15
11	LIB Storage May be Used to Support Chum Flows	11/2/14	2/23/15
12	HGH Storage May be Used to Support Chum Flows	11/2/14	2/23/15
13	ALF Storage May be Used to Support Chum Flows	11/2/14	2/23/15
14	GCL Storage May be Used to Support Chum Flows	11/2/14	2/23/15
15	DWR Storage May be Used to Support Chum Flows	11/2/14	2/23/15
16	BON Provide Chum Flows	11/1/14	4/10/15
17	TMT Determine Winter / Spring Chum Flow Levels	10/1/14	4/10/15
18	HEPB Determine Flood Control / Refill Strategies	12/1/14	4/15/15
19	HEPB Determine Flood Control Shifts	12/1/14	4/15/15
20	LIB Operate to Flood Control Curve	12/1/14	6/30/15
21	DWR Operate to Flood Control Curve	12/1/14	6/30/15
22	ALF Operate to Flood Control Curve	9/10/14	6/22/15
23	GCL Operate to Flood Control Curve	12/1/14	6/30/15
24	HGH Operate to Flood Control Curve	12/1/14	6/30/15
25	ARDB Whitefish Flows 45-55 kcfs (non-BiOp)	12/1/14	1/31/15
26	LIB Burbot Flows 6-8 kcfs (non-BiOp)	10/1/14	2/28/15

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27	ARDB 1 MAF Flow Augmentation Filling	1/1/15	4/25/15
28	RFC January Final Forecast	1/8/15	1/8/15
29	TMT Begin Spring Transport Discussions	3/1/15	3/1/15
30	TMT Hanford Reach Operations Discussions (non-BiOp)	2/1/15	2/1/15
31	RFC February Final Forecast	2/6/15	2/6/15
32	USBR Min. Flows from HGH and at Columbia Falls Set	3/1/15	3/1/15
33	BON Spring Creek Hatchery Release from Bon Hatch (non-BiOp)	3/1/15	3/10/15
34	RFC March Final Forecast	3/6/15	3/6/15
35	LWG Operate to 1% Peak Efficiency	4/1/15	10/31/15
36	LGS Operate to 1% Peak Efficiency	4/1/15	10/31/15
37	LMN Operate to 1% Peak Efficiency	4/1/15	10/31/15
38	IHR Operate to 1% Peak Efficiency	4/1/15	10/31/15
39	MCN Operate to 1% Peak Efficiency	4/1/15	10/31/15
40	JDA Operate to 1% Peak Efficiency	4/1/15	10/31/15
41	TDA Operate to 1% Peak Efficiency	4/1/15	10/31/15
42	BON Operate Units in Accordance with the Fish Passage Plan	4/1/15	10/31/15
43	MCN Protect Nesting Waterfowl (non-BiOp)	3/1/15	5/31/15
44	LIB Start Operational Plan	4/1/15	4/1/15
45	HGH Start Operational Plan	4/1/15	4/1/15
46	TDA Wasco Co. Sampling Tuesdays (non-BiOp)	4/1/15	8/29/15
47	USBR Upper Snake Augmentation Determined	4/1/15	4/1/15
48	PRD Hanford Reach Protection Flows (non-BiOp)	4/1/15	6/28/15
49	ARDB Trout Spawning Flows 15-25 kcfs (non-BiOp)	4/1/15	6/28/15
50	LWG Spring Flow Objective	4/3/15	6/20/15
51	LWG MOP Operation	4/3/15	8/31/15
52	LGS MOP Operation	4/3/15	8/31/15
53	LMN MOP Operation	4/3/15	8/31/15

<b>ID</b>	<b>Task Name</b>	<b>Start</b>	<b>Finish</b>
54	IHR MOP Operation	4/3/15	8/31/15
55	LWG Spill for Juvenile Fish Operation	4/3/15	8/31/15
56	LGS Spill for Juvenile Fish Operation	4/3/15	8/31/15
57	LMN Spill for Juvenile Fish Operation	4/3/15	8/31/15
58	IHR Spill for Juvenile Fish Operation	4/3/15	8/31/15
59	RFC April Final Forecast	4/8/15	4/8/15
60	TMT Set Flow Objectives / Refill Strategy	4/7/15	4/7/15
61	LIB Be at April 10 Flood Control Elevation	4/10/15	4/10/15
62	GCL Be at April 10 Flood Control Elevation	4/10/15	4/10/15
63	DWR Be at April 10 Flood Control Elevation	4/10/15	4/10/15
64	HGH Be at April 10 Flood Control Elevation	4/10/15	4/10/15
65	ALB Be at April 10 Flood Control Elevation	4/10/15	4/10/15
66	MCN Spring Flow Objective	4/10/15	6/30/15
67	PRD Spring Flow Objective	4/10/15	6/30/15
68	JDA Minimum Irrigation Pool	4/10/15	9/30/15
69	MCN Spill for Juvenile Fish Passage	4/10/15	8/31/15
70	JDA Spill for Juvenile Fish Passage	4/10/15	8/31/15
71	TDA Spill for Juvenile Fish Passage	4/10/15	8/31/15
72	BON Spill for Juvenile Fish Passage	4/10/15	8/31/15
73	HGH Operational Plan Due	11/17/15	11/17/15
74	LIB Operational Plan Due	5/3/15	5/3/15
75	LIB Sturgeon Pulse	5/15/15	6/30/15
76	ARDB 1MAF Flow Augmentation Drafting (non-BiOp)	5/3/15	7/29/15
77	RFC May Final Forecast	5/7/15	5/7/15
78	TMT Determine Volume of Water Available for Sturgeon Pulse	5/1/15	5/1/15
79	RFC June Final Forecast	6/5/15	6/5/15
80	TMT Determine Summer Flow Objective	6/7/15	6/7/15

<b>ID</b>	<b>Task Name</b>	<b>Start</b>	<b>Finish</b>
81	DWR Temperature Modeling and Release Strategy	6/15/15	6/15/15
82	Start Work on Next Years Water Management Plan	6/15/15	6/15/15
83	LWG Summer Flow Objective	6/21/15	8/31/15
84	LIB Refill by June 30	6/30/15	6/30/15
85	GCL Refill by June 30	6/30/15	6/30/15
86	DWR Refill by June 30	6/30/15	6/30/15
87	HGH Refill by June 30	6/30/15	6/30/15
88	ALF Refill by June 30	6/30/15	6/30/15
89	LIB Operate to Meet Summer Flow Objectives	7/1/15	8/31/15
90	GCL Operate to Meet Summer Flow Objectives	7/1/15	8/31/15
91	HGH Operate to Meet Summer Flow Objectives	7/1/15	8/31/15
92	ALF Operate to Meet Summer Flow Objectives	7/1/15	8/31/15
93	DWR Operate to Meet Summer Flow Objectives	7/1/15	8/31/15
94	MCN Summer Flow Objective	7/1/15	8/31/15
95	GCL Operate Banks Lake 5 ft. from Full	7/1/15	8/31/15
96	LIB Bull Trout Releases	7/1/15	8/1/15
97	LIB Libby / Arrow Swap Considered	7/1/15	7/1/15
98	RFC July Final Forecast	7/8/15	7/8/15
99	DWR Draft to Elevation 1535 feet	8/31/15	8/31/15
100	GCL Summer Draft Limit 1280 or 1278 ft.	8/31/15	8/31/15
101	GCL Banks Lake Drafted to 1565 ft.	8/31/15	8/31/15
102	LIB Draft to 10 Feet from Full *except in lowest 20 <sup>th</sup> percentile water years	9/30/15	9/30/15
103	HGH Summer Draft Limit 3540 ft.	9/30/15	9/30/15
104	DWR Draft to elevation 1520 feet	9/30/15	9/30/15
105	DWR Operate to Minimum Outflow	9/1/15	9/30/15
106	GCL Kokanee Forebay Elevation 1283 ft. (non-BiOp)	9/30/15	9/30/15