

LSJR Feasibility Study

ID	% Complete	Task Name	Predecessors	Successors	Duration	Start	Finish	4																	
								2009		2010		2011		2012		2013		2014		2015		2016		2017	
								H1	H2	H1	H2	H1	H2	H1	H2	H1	H2	H1	H2	H1	H2	H1	H2	H1	H2
1	100%	F1 - START FEASIBILITY STUDY			148 days	Thu 2/19/09	Mon 9/14/09																		
10	100%	F2 - PUBLIC WORKSHOP/SCOPING			156 days	Fri 7/10/09	Mon 2/15/10																		
17	29%	F3 - FEASIBILITY SCOPING MEETING			1231 days	Thu 2/19/09	Thu 11/7/13																		
18	3%	Plan Formulation (Flood Risk Management & Ecosystem Restoration)			1023 days	Mon 7/13/09	Wed 6/12/13																		
19	100%	Sponsor Workshop (WS 1A)		20,21,212	1 day	Mon 7/13/09	Mon 7/13/09																		
20	100%	PDT Field Trip	19		1 day	Tue 9/15/09	Tue 9/15/09																		
21	100%	PDT Plan Formulation Workshop (WS 1B)	19	15,22,246	1 day	Thu 10/15/09	Thu 10/15/09																		
22	0%	PDT Refinement of Problems and Opportunities	21,163,111,121,229,532	23	15 days	Tue 7/10/12	Mon 7/30/12																		
23	0%	Planning Objectives & Constraints Workshop (WS 2)	22	24	1 day	Tue 7/31/12	Tue 7/31/12																		
24	0%	PDT Refinement of Planning Objectives & Constraints	23	25	15 days	Wed 8/1/12	Tue 8/21/12																		
25	0%	Development of Management Measures Workshop (WS 3)	24	26	1 day	Wed 8/22/12	Wed 8/22/12																		
26	0%	PDT Refine Management Measures	25,163	193,194,27	22 days	Fri 8/23/12	Fri 9/21/12																		
27	0%	Screening of Measures & Formulation Strategies Workshop (WS 4)	14,16,26,165,195,229	28	1 day	Tue 12/25/12	Tue 12/25/12																		
28	0%	Development of Preliminary Plans	27,229	29,196,244,214	15 days	Wed 12/26/12	Tue 1/15/13																		
29	0%	Evaluate & Compare Preliminary Plans	28,184,197,244	30,274	15 days	Thu 5/2/13	Wed 5/22/13																		
30	0%	Preparation of Formulation Portion of F3 Document	29,246	255,252SS	15 days	Thu 5/23/13	Wed 6/12/13																		
31	30%	Prepare F3 Report Technical Sections			1167 days	Thu 2/19/09	Sat 8/10/13																		
32	47%	Hydrology Activities			770 days	Mon 6/1/09	Fri 5/11/12																		
33	80%	Develop Hydrology Guidelines (USACE)	4	38,64,74	121 days	Mon 6/1/09	Mon 11/16/09																		
34	29%	Hydrology (WIK Effort)			621 days	Fri 10/23/09	Sat 3/10/12																		
35	100%	SPK Write SOW for WIK	4	40,36	55 days	Fri 10/23/09	Thu 1/7/10																		
36	100%	Contracting Efforts for PBI	35	37	108 days	Fri 1/8/10	Tue 6/8/10																		
37	20%	Oversight of WIK Effort	36	51	445 days	Wed 6/9/10	Tue 2/21/12																		
38	90%	Revise Existing HMS Models - Tribs (WIK)	33	42	136 edays	Tue 6/8/10	Fri 10/22/10																		
39	0%	Receive NOAA Atlas 14 Precip Freq		40FS-30 days	1 day	Mon 2/28/11	Mon 2/28/11																		
40	0%	Develop Trib Storm Centerings and production runs (WIK)	57FF+15 edays,35,39FS-30 days	42,41	258 edays	Tue 1/18/11	Mon 10/3/11																		
41	0%	Hydrologic uncertainty (WIK)	40	42	7 edays	Mon 10/3/11	Mon 10/10/11																		
42	0%	Draft Hydrology Report (WIK)	38,40,41	43,119,120	21 edays	Mon 10/10/11	Mon 10/31/11																		
43	0%	ITR of Draft Hydrology Report (WIK)	42	44	28 edays	Mon 10/31/11	Mon 11/28/11																		
44	0%	Submit Draft Hydrology Report to SPK (WIK)	43	45	0 days	Mon 11/28/11	Mon 11/28/11																		
45	0%	SPK Review Draft Hydrology Report (WIK)	44	46	15 days	Mon 11/28/11	Fri 12/16/11																		
46	0%	Hydrology Report Revisions (WIK)	45	78,47	15 edays	Fri 12/16/11	Sat 12/31/11																		
47	0%	PDT/Sponsor Review of Hydrology Report	46	48	10 days	Mon 1/2/12	Fri 1/13/12																		
48	0%	Revisions to Hydrology Report from PDT/Sponsor Review	47	49	5 days	Mon 1/16/12	Fri 1/20/12																		
49	0%	ATR of Hydrology Report	48	50	21 edays	Fri 1/20/12	Fri 2/10/12																		
50	0%	Revisions to Hydrology Report from ATR	49	51,110	10 days	Mon 2/13/12	Fri 2/24/12																		
51	0%	ATR Backcheck of Hydrology Report Revisions	50,37	84	15 edays	Fri 2/24/12	Sat 3/10/12																		
52	59%	Hydrology (USACE Effort)			595 days	Mon 6/1/09	Sat 9/10/11																		
53	100%	SPK Write SOW - Hydrology	4	54	33 days	Mon 6/1/09	Wed 7/15/09																		
54	100%	A-E Contracting - Hydrology Task Order	53	75,55	55 days	Thu 7/16/09	Wed 9/30/09																		
55	80%	Oversight A-E - Ford Effort	54	73FF	505 days	Thu 10/1/09	Wed 9/7/11																		
56	0%	Receive USGS Regional Skew Study		57FF+22 days	1 day	Fri 1/14/11	Fri 1/14/11																		
57	75%	New Hogan and Farmington Reservoir synthetic outflows (A-E - Ford)	56FF+22 days,4,58FF,62FS-33 days	472 edays	Wed 9/30/09	Tue 2/15/11																			
58	0%	Hydrologic uncertainty (A-E - Ford)	57FF	64	7 edays	Tue 2/8/11	Tue 2/15/11																		
59	25%	Preliminary New Hogan Trial Reoperation Alternative Study (A-E F)			64	217 days	Tue 6/1/10	Thu 3/31/11																	
60	100%	SPK Write SOW - Hydrology	61	19 days	Tue 6/1/10	Fri 6/25/10																			
61	100%	A-E Contracting - Hydrology Task Order	60	62	69 days	Mon 6/28/10	Thu 9/30/10																		
62	0%	Task 1 - Target Rule Curve Lowered to Produce 0.5% Exceedance	61,57FS-33 days	63	45 edays	Fri 12/31/10	Mon 2/14/11																		
63	0%	Task 2 (OPT) - Raise Dam for 200-yr protection downstream (A-E)	62	64	45 edays	Mon 2/14/11	Thu 3/31/11																		
64	0%	Draft Hydrology Report (A-E - Ford)	33,57,59,58,63	65,247,119,120	30 edays	Thu 3/31/11	Sat 4/30/11																		
65	0%	ITR of Draft Hydrology Report (A-E - Ford)	64	66	30 edays	Sat 4/30/11	Mon 5/30/11																		
66	0%	Submit Draft Hydrology Report to SPK (A-E - Ford)	65	67	0 days	Mon 5/30/11	Mon 5/30/11																		
67	0%	SPK Review Draft Hydrology Report (A-E - Ford)	66	68	15 days	Mon 5/30/11	Fri 6/17/11																		
68	0%	Hydrology Report Revisions (A-E - Ford)	67	69	15 edays	Fri 6/17/11	Sat 7/2/11																		
69	0%	PDT/Sponsor Review of Hydrology Report	68	70	10 days	Mon 7/4/11	Fri 7/15/11																		
70	0%	Revisions to Hydrology Report from PDT/Sponsor Review	69	71	5 days	Mon 7/18/11	Fri 7/22/11																		
71	0%	ATR of Hydrology Report	70	72	21 edays	Fri 7/22/11	Fri 8/12/11																		
72	0%	Revisions to Hydrology Report from ATR	71	73	10 days	Mon 8/15/11	Fri 8/26/11																		
73	0%	ATR Backcheck of Hydrology Report Revisions	72,55FF	84	15 edays	Fri 8/26/11	Sat 9/10/11																		
74	50%	CVHS Coordination	33	75	575 days	Tue 11/17/09	Mon 1/30/12																		
75	0%	Receive CVHS LSJR Hydrology			0 days	Tue 1/31/12	Tue 1/31/12																		
76	100%	Define Coincidence Analysis Approach (HL)	54,74	78,247,117,120	119	88 days	Thu 7/15/10	Mon 11/15/10																	
77	0%	F3 Hydrology Report			74 days	Tue 1/31/12	Fri 5/11/12																		
85	16%	Hydraulic Design Activities			855 days	Mon 1/4/10	Fri 4/12/13																		

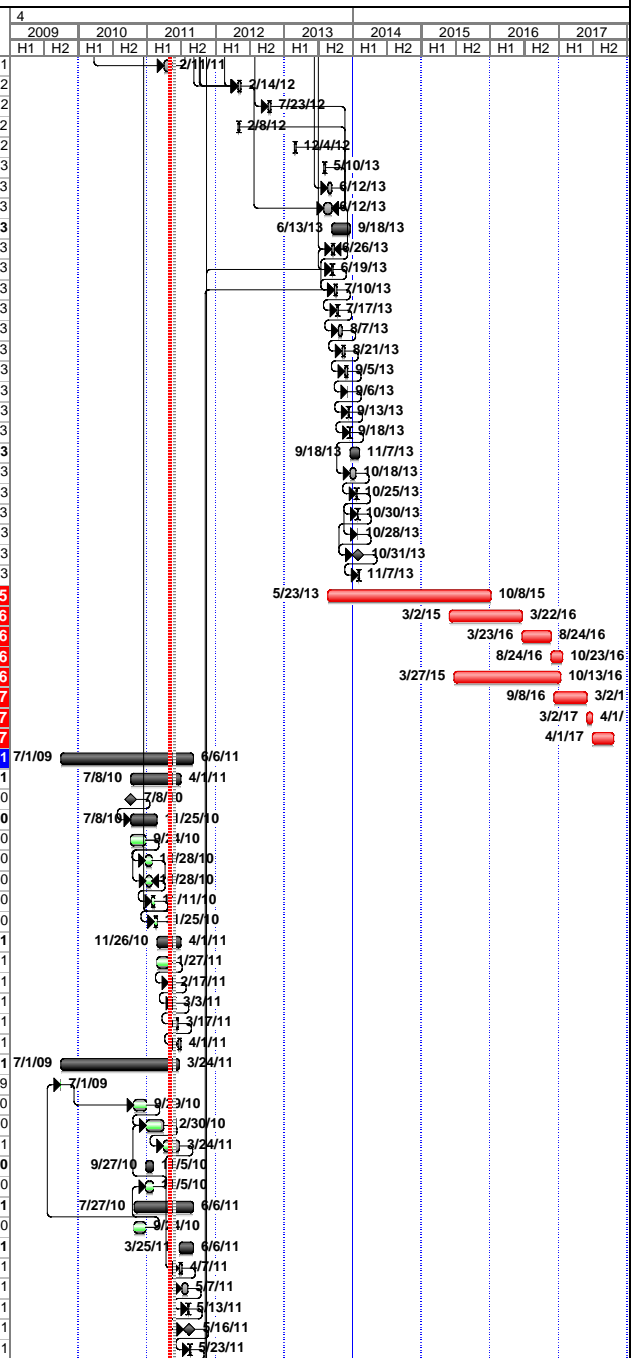
Project: LSJR Feasibility Study Date: Tue 2/22/11

Task: Milestone: Project Summary: External Milestones: Top Level Tasks:

Progress: Summary: External Tasks: Progress:

LSJR Feasibility Study

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								2009	2010	2011	2012	2013	2014	2015	2016	2017				
								H1	H2	H1	H2	H1	H2	H1	H2	H1	H2	H1	H2	
246	0%	Develop Feasibility Scoping Materials		21	30	30 days	Mon 1/3/11	Fri 2/11/11												
247	0%	LiDar and Other Data Storage	75,64,115,136,152	253	11 days	Tue 1/31/12	Tue 2/14/12													
248	0%	Geotechnical GIS and Mapping Activities		253FF	163	253FF	Tue 7/10/12	Mon 7/23/12												
249	0%	Hydrology GIS and Mapping Activities		78SS	253FF	7 days	Tue 1/31/12	Wed 2/8/12												
250	0%	Hydraulic Design GIS and Mapping Activities		145SS	253FF	7 days	Mon 11/26/12	Tue 12/4/12												
251	0%	Economics GIS and Mapping Activities		186SS	253FF	7 days	Thu 5/2/13	Fri 5/10/13												
252	0%	Develop Base Maps for Planning		30SS	253FF	15 days	Thu 5/23/13	Wed 6/12/13												
253	0%	Develop graphics for F3 Report	2FF,248FF,249FF,250FF,251FF,247	255FF	30 days	Thu 5/2/13	Wed 6/12/13													
254	0%	F3 Report/Consolidation			70 days	Thu 6/13/13	Wed 9/18/13													
255	0%	Prepare/Compile/Write F3 report	16,30,78,167,186,199,236,253FF,145	256SS,257	10 days	Thu 6/13/13	Wed 6/26/13													
256	0%	Update PMP for remaining study (F3)		255SS,532	257	5 days	Thu 6/13/13	Wed 6/19/13												
257	0%	PDT/Sponsor Review of F3 Report		255,256,531	258	10 days	Thu 6/27/13	Wed 7/10/13												
258	0%	Revisions to F3 Report from PDT/Sponsor Review		257	259,285	5 days	Thu 7/11/13	Wed 7/17/13												
259	0%	ATR of F3 Report		258	260,333	21 edays	Wed 7/17/13	Wed 8/7/13												
260	0%	Revisions to F3 Report from ATR		259	261	10 days	Thu 8/8/13	Wed 8/21/13												
261	0%	ATR Backcheck of F3 Report Revisions		260	262	15 edays	Wed 8/21/13	Thu 9/5/13												
262	0%	ATR Certification of F3 Report	84,172,191,204,241,261,150	263	1 day	Fri 9/6/13	Fri 9/6/13													
263	0%	Reproduction-printing time of F3 Report		262	264	5 days	Mon 9/9/13	Fri 9/13/13												
264	0%	Send F3 Report to SPD/HQUSACE		263	266	3 days	Mon 9/16/13	Wed 9/18/13												
265	0%	F3 Conference			36 days	Wed 9/18/13	Thu 11/7/13													
266	0%	SPD/HQUSACE Review & Comment on F3 Report		264	267	30 edays	Wed 9/18/13	Fri 10/18/13												
267	0%	Respond to SPD/HQUSACE Comments on F3 Report		266,333	268,269	5 days	Mon 10/21/13	Fri 10/25/13												
268	0%	SPD/HQUSACE Backcheck Revisions to F3 Report		267	270	3 days	Mon 10/28/13	Wed 10/30/13												
269	0%	Dry Run of F3 Conference		267	270	1 day	Mon 10/28/13	Mon 10/28/13												
270	0%	F3 Conference		268,269	271	1 day	Thu 10/31/13	Thu 10/31/13												
271	0%	Preparation of F3 PGM		270	369	5 days	Fri 11/1/13	Thu 11/7/13												
272	0%	F4 - ALTERNATIVE REVIEW CONFERENCE			621 days	Thu 5/23/13	Thu 10/8/15													
387	0%	F4A - ALTERNATIVE FORMULATION BRIEFING (AFB)			277 days	Mon 3/2/15	Tue 3/2/16													
448	0%	F5 - DRAFT FEASIBILITY REPORT/EIS			111 days	Wed 3/23/16	Wed 8/24/16													
462	0%	F6 - FINAL PUBLIC MEETING			42 days	Wed 8/24/16	Sun 10/23/16													
467	0%	F7 - FEASIBILITY REVIEW CONFERENCE (FRC)			405 days	Fri 3/27/15	Thu 10/13/16													
478	0%	F8 - FINAL FEASIBILITY REPORT TO SPD			125 days	Thu 9/8/16	Thu 3/2/17													
495	0%	F9 - DIVISION ENGINEER'S REPORT			21 days	Thu 3/2/17	Sat 4/1/17													
498	0%	CHIEF'S REPORT			80 days	Sat 4/1/17	Sat 7/22/17													
501	77%	PRELIMINARY ANALYSIS - AREAS 1 & 2			504 days	Wed 7/1/09	Mon 6/6/11													
502	88%	Geotechnical Activities - Preliminary Analysis			191 days	Thu 7/8/10	Fri 4/1/11													
503	100%	Contract Task Order Procurement		504	0 days	Thu 7/8/10	Thu 7/8/10													
504	100%	Geotechnical Contract (USACE)	503		100 days	Thu 7/8/10	Thu 11/25/10													
505	100%	Summarize Existing Topographic Information		507,506	78 edays	Thu 7/8/10	Fri 9/24/10													
506	100%	Summarize Existing Geotechnical Information		505	507FF	34 edays	Fri 9/24/10	Thu 10/28/10												
507	100%	Draft Geotech Report (Existing Information Only)		505,506FF	508	30 edays	Tue 9/28/10	Thu 10/28/10												
508	100%	USACE QA Review of Draft Geotech Report		507	509	10 days	Fri 10/29/10	Thu 11/11/10												
509	100%	Finalize Geotech Report		508	152	14 edays	Thu 11/11/10	Thu 11/25/10												
510	44%	Preliminary Analysis Geotechnical Report			91 days	Fri 11/26/10	Fri 4/1/11													
511	100%	PDT/Sponsor Review of Preliminary Analysis Geotechnical Report		512	45 days	Fri 11/26/10	Thu 1/27/11													
512	67%	Revisions to Preliminary Analysis Geotechnical Report from PDT/Sponsor F		511	513	15 days	Fri 1/28/11	Thu 2/17/11												
513	0%	QA/QC of Preliminary Analysis Geotechnical Report		512	514	10 days	Fri 2/18/11	Thu 3/3/11												
514	0%	Revisions to Preliminary Analysis Geotechnical Report from QA/QC		513	515	10 days	Fri 3/4/11	Thu 3/17/11												
515	0%	QA/QC Backcheck of Preliminary Analysis Geotechnical Report Revisions		514	167	15 edays	Thu 3/17/11	Fri 4/1/11												
516	82%	Economics Activities - Preliminary Analysis			452 days	Wed 7/1/09	Thu 3/24/11													
517	100%	Receive Existing Impact Information from Hydraulic Design		524	518	1 day	Wed 7/1/09	Wed 7/1/09												
518	100%	Review Existing Material		517	519	48 days	Mon 7/26/10	Wed 9/29/10												
519	85%	Develop Economic Inventory/Field Work		518,522	520	66 days	Thu 9/30/10	Thu 12/30/10												
520	65%	Economic Valuation		519	526	60 days	Fri 12/31/10	Thu 3/24/11												
521	100%	GIS and Mapping Activities			30 days	Mon 9/27/10	Fri 11/5/10													
522	100%	Develop Graphics for Preliminary Analysis		524	519	30 days	Mon 9/27/10	Fri 11/5/10												
523	27%	Planning Activities - Preliminary Analysis			225 days	Tue 7/27/10	Mon 6/6/11													
524	100%	Preliminary Plan Formulation		517,522	524	44 days	Tue 7/27/10	Fri 9/24/10												
525	0%	Technical Review Strategy Session (TRSS)			52 days	Fri 3/25/11	Mon 6/6/11													
526	0%	Prepare Issues Paper		16,520	527	10 days	Fri 3/25/11	Thu 4/7/11												
527	0%	SPD Review Issues Paper		526	528	30 edays	Thu 4/7/11	Sat 5/7/11												
528	0%	District Response to SPD Review of Issues Paper		527	529	5 days	Mon 5/9/11	Fri 5/13/11												
529	0%	TRSS		528	530	1 day	Mon 5/16/11	Mon 5/16/11												
530	0%	Preparation Of TRSS Project Guidance Memorandum (PGM)		529	531	5 days	Tue 5/17/11	Mon 5/23/11												



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								H1	H2	H1	H2	H1	H2	H1	H2	H1	H2	H1	H2	H1	H2	H1	H2	H1	H2
531	0%	Preparation of TRSS Compliance Memorandum	530	257,532	5 days	Tue 5/24/11	Mon 5/30/11																		
532	0%	Update PMP for remaining study	531	256,22	5 days	Tue 5/31/11	Mon 6/6/11																		