

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% Exceedanc	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:

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ID	% Complete	Task Name	Predecessors	Successors	Duration	Start	Finish	4														
								2009	2010		2011		2012		2013		2014		2015		2016	
								H1	H2	H1	H2	H1	H2	H1	H2	H1	H2	H1	H2	H1	H2	
86	100%	Project Site Visits (for hydraulic conditions/features)			60 days	Mon 2/1/10	Fri 4/23/10															
87	59%	Downstream Boundary Conditions			515 days	Mon 1/4/10	Fri 12/23/11															
88	70%	Develop Approach for Determining Downstream Boundary Conditions (L		89	60 edays	Fri 10/1/10	Tue 11/30/10															
89	0%	Sample Computation (Using Lower Calaveras River Model and availat	88	90	45 days	Tue 11/30/10	Mon 1/31/11															
90	0%	Finalize Approach for Determining Downstream Boundary Conditions (89		30 days	Tue 2/1/11	Mon 3/14/11															
91	62%	Sea Level Rise - (Future Downstream Boundary Conditions)			515 days	Mon 1/4/10	Fri 12/23/11															
92	100%	Review of References relevant to Sea Level Rise		93	30 edays	Mon 1/4/10	Wed 2/3/10															
93	100%	Selection/Analysis of Nearest Tide Stations with Long-Term Recor	92	94	45 edays	Wed 2/3/10	Sat 3/20/10															
94	100%	Determine Effects of Projected Future Sea-Level Rise Based on I	93		60 edays	Sat 3/20/10	Wed 5/19/10															
95	0%	Receive Delta Hydrodynamic Model (from DILFS)		96	1 day	Mon 10/3/11	Mon 10/3/11															
96	0%	Prepare Draft Basis of Study Report	95	97	30 edays	Mon 10/3/11	Wed 11/2/11															
97	0%	ITR of Draft Basis of Study Report	96	98	21 edays	Wed 11/2/11	Wed 11/23/11															
98	0%	SPK/Sponsors Review Draft Basis of Study Report	97	99	15 edays	Wed 11/23/11	Thu 12/8/11															
99	0%	Revisions of Basis of Study Report	98		15 edays	Thu 12/8/11	Fri 12/23/11															
100	0%	Model Development & Application			760 days	Mon 2/1/10	Sat 12/29/12															
101	0%	SPK Write SOW for Model Development & Application (WIK)			60 days	Thu 12/16/10	Wed 3/9/11															
102	0%	Develop SOW for Preliminary Analysis of Tributaries (WIK)		103,131	30 days	Thu 12/16/10	Wed 1/26/11															
103	0%	Develop SOW for F3 Model Development & Application (WIK)	102	131	30 days	Thu 1/27/11	Wed 3/9/11															
104	0%	HEC-RAS Model Development & Application			613 days	Mon 2/1/10	Wed 6/6/12															
105	0%	Oversight and QA/QC of DWR/HDR HEC-RAS Baseline Model			305 days	Mon 2/1/10	Mon 4/4/11															
106	0%	Oversight of DWR/HDR HEC-RAS Baseline Model Developm	115FF		305 days	Mon 2/1/10	Mon 4/4/11															
107	0%	QA/QC of DWR/HDR HEC-RAS Baseline Model Developm	115FF	109	60 days	Mon 1/10/11	Mon 4/4/11															
108	0%	DWR/HDR Baseline HEC-RAS Tributary Model Completion (W	115FF	109,129SS	0 days	Mon 4/4/11	Mon 4/4/11															
109	0%	Incorporate New Data into DWR HEC-RAS Tributary Model (WIK)	108,107	110	60 edays	Mon 4/4/11	Fri 6/3/11															
110	0%	Receive Draft Hydrology Report (WIK)	109,50	111	0 days	Fri 2/24/12	Fri 2/24/12															
111	0%	Prepare Draft Documentation for HEC-RAS Model (WIK)	110	112,22	30 edays	Fri 2/24/12	Sun 3/25/12															
112	0%	ITR of Draft Documentation for HEC-RAS Tributary Model (WIK)	111	113,145	20 edays	Sun 3/25/12	Sat 4/14/12															
113	0%	SPK/Sponsors Review Draft Documentation for HEC-RAS Tributa	112	114	15 days	Mon 4/16/12	Fri 5/4/12															
114	0%	Revisions of HEC-RAS Tributary Model Documentation	113	131,177	15 edays	Fri 5/4/12	Sat 5/19/12															
115	0%	DWR/HDR Baseline HEC-RAS LSJR Model Completion (HL)	FF,106FF,247,108FF		0 days	Mon 4/4/11	Mon 4/4/11															
116	0%	Incorporate New Data into DWR HEC-RAS LSJR Model	115	120,119	22 days	Mon 4/4/11	Tue 5/3/11															
117	0%	Receive Draft Hydrology Report (CVHS)	75	120	0 days	Tue 1/31/12	Tue 1/31/12															
118	0%	Coincidence Analysis			96 days	Mon 10/31/11	Mon 3/12/12															
119	0%	Delta to Tribs	76,64,42,116	145	30 days	Mon 10/31/11	Fri 12/9/11															
120	0%	Delta to Mainstem	75,42,64,116,117	121,145	30 days	Tue 1/31/12	Mon 3/12/12															
121	0%	Prepare Draft Documentation for HEC-RAS LSJR Model	120	122,22	30 edays	Mon 3/12/12	Wed 4/11/12															
122	0%	ITR of Draft Documentation for HEC-RAS LSJR Model	121	123,145	20 edays	Wed 4/11/12	Tue 5/1/12															
123	0%	SPK/Sponsors Review Draft Documentation for HEC-RAS LSJR	122	124	15 days	Wed 5/2/12	Tue 5/22/12															
124	0%	Revisions of HEC-RAS LSJR Model Documentation	123	138,177	15 edays	Tue 5/22/12	Wed 6/6/12															
125	0%	FLO-2D Model Development & Application			760 days	Mon 2/1/10	Sat 12/29/12															
126	0%	Oversight and QA/QC of DWR/HDR FLO-2D Baseline Model D			305 days	Mon 2/1/10	Mon 4/4/11															
127	0%	Oversight of DWR/HDR FLO-2D Baseline Model Developme	136FF		305 days	Mon 2/1/10	Mon 4/4/11															
128	0%	QA/QC of DWR/HDR FLO-2D Baseline Model Development	136FF	130	60 days	Mon 1/10/11	Mon 4/4/11															
129	0%	DWR/HDR Baseline FLO-2D Tributary Model Completion	108SS,136FF	130	0 days	Mon 4/4/11	Mon 4/4/11															
130	0%	Incorporate New Data into DWR FLO-2D Tributary Model (WIK)	129,128	131	60 edays	Mon 4/4/11	Fri 6/3/11															
131	0%	Production Runs (WIK)	130,114,102,103	132	150 edays	Sat 5/19/12	Tue 10/16/12															
132	0%	Prepare Draft Documentation for FLO-2D Tributary Model (WIK)	131	133	20 edays	Tue 10/16/12	Mon 11/5/12															
133	0%	ITR of Draft Documentation for FLO-2D Tributary Model (WIK)	132	134,145	20 edays	Mon 11/5/12	Sun 11/25/12															
134	0%	SPK/Sponsors Review Draft Documentation for FLO-2D Tributary	133	135	15 days	Mon 11/26/12	Fri 12/14/12															
135	0%	Revisions of FLO-2D Tributary Model Documentation (WIK)	134	178	15 edays	Fri 12/14/12	Sat 12/29/12															
136	0%	DWR/HDR Baseline FLO-2D LSJR Model Completion	115SS	FF,127FF,247,129FF	0 days	Mon 4/4/11	Mon 4/4/11															
137	0%	Incorporate New Data into DWR FLO-2D LSJR Model (HL)	136	138	44 days	Mon 4/4/11	Thu 6/2/11															
138	0%	Production Runs (HL)	137,124	139	66 days	Thu 6/7/12	Thu 9/6/12															
139	0%	Prepare Draft Documentation for FLO-2D LSJR Model (HL)	136,138	140	20 edays	Thu 9/6/12	Wed 9/26/12															
140	0%	ITR of Draft Documentation for FLO-2D LSJR Model (HL)	139	141,145	20 edays	Wed 9/26/12	Tue 10/16/12															
141	0%	SPK/Sponsors Review Draft Documentation for FLO-2D LSJR Mc	140	142	15 days	Wed 10/17/12	Tue 11/6/12															
142	0%	Revisions of FLO-2D LSJR Model Documentation (HL)	141	178	15 edays	Tue 11/21/12	Wed 11/21/12															
143	0%	F3 Hydraulics Report			100 days	Mon 11/26/12	Fri 4/12/13															
151	1%	Geotechnical Activities			1022 days	Thu 2/19/09	Fri 1/18/13															
152	8%	Review Existing Geotechnical Data	509	153,247	90 days	Fri 11/26/10	Thu 3/31/11															
153	0%	Identify Data Gaps	152	155,156,160	20 days	Fri 4/11/11	Thu 4/28/11															
154	0%	State Geotechnical Investigations			218 days	Thu 4/28/11	Wed 2/29/12															
155	0%	Oversight State Geotechnical Activities	153	162	120 days	Fri 4/29/11	Thu 10/13/11															
156	0%	Receive ULE- Project Levee Geotechnical Data Report (GDR) - All Sys	153	157	0 days	Thu 4/28/11	Thu 4/28/11															

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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	H1	H2	H1	H2	H1	H2
157	0%	Receive ULE Project Levee Supplemental GDR		156	158	0 days	Wed 8/31/11	Wed 8/31/11																	
158	0%	Receive Geotechnical Evaluation Report (GER) - ULE Project		157	159	0 days	Wed 2/29/12	Wed 2/29/12																	
159	0%	Receive GER- ULE Non Project		158	162	0 days	Wed 2/29/12	Wed 2/29/12																	
160	0%	Prepare SOWs for Task Orders		153	161	5 days	Fri 4/29/11	Thu 5/5/11																	
161	0%	Contract Task Order Procurement for 3 Task Orders (CN 1, 2 & 3)		160	162	44 days	Fri 5/6/11	Wed 7/6/11																	
162	0%	Deterministic Geotechnical Analysis (CN 3)	161,155,159	163	90 edays	Wed 2/29/12	Tue 5/29/12																		
163	0%	Develop Existing Condition Geotech Problem Identification Maps		162	26,164,193,22,248	30 days	Tue 5/29/12	Mon 7/9/12																	
164	0%	Develop Existing Condition Levee Performance (Fragility) Curves		163	167,179	66 days	Tue 7/10/12	Tue 10/9/12																	
165	0%	Develop Levee Design Measures		167,193,27	22 days	Thu 2/19/09	Fri 3/20/09																		
166	0%	F3 Geotechnical Report				73 days	Wed 10/10/12	Fri 1/18/13																	
173	8%	Economics Activities				1073 days	Wed 7/1/09	Sat 8/10/13																	
174	100%	Receive Existing Impact Information from Hydraulic Design		175	1 day	Wed 7/1/09	Wed 7/1/09																		
175	100%	Review Existing Material	7,174	176	33 days	Thu 7/30/09	Mon 9/14/09																		
176	0%	Develop Economic Inventory/Field Work	175,178FS-180 edays	180	132 days	Thu 7/5/12	Fri 1/4/13																		
177	0%	Receive H&H Stage Frequency Data	114,124	180	1 day	Thu 6/7/12	Thu 6/7/12																		
178	0%	Receive H&H Floodplain Information	135,142	180 edays,180,181,182	1 day	Mon 12/31/12	Mon 12/31/12																		
179	0%	Receive Levee Performance Curves	164	180	1 day	Wed 10/10/12	Wed 10/10/12																		
180	0%	Develop HEC FDA Model	176,177,178,179	183	22 days	Mon 1/7/13	Tue 2/5/13																		
181	0%	Develop Damages, Other	178	183	33 days	Tue 1/1/13	Thu 2/14/13																		
182	0%	Develop Damages, Agricultural	178	183	33 days	Tue 1/1/13	Thu 2/14/13																		
183	0%	Develop w/o Project Analysis	180,181,182	184	22 days	Fri 2/15/13	Mon 3/18/13																		
184	0%	Preliminary Benefit Analysis	183,197	186,29	10 days	Thu 4/18/13	Wed 5/1/13																		
185	0%	F3 Economics Report				72 days	Thu 5/2/13	Sat 8/10/13																	
192	0%	Civil Design Activities				220 days	Mon 9/24/12	Sat 7/27/13																	
193	0%	Design of Management Measures - FRM	26,163,165	195	44 days	Mon 9/24/12	Thu 11/22/12																		
194	0%	Design of Management Measures - ER	26	195	44 days	Mon 9/24/12	Thu 11/22/12																		
195	0%	Cost Estimates for Management Measures	193,194	199,27	22 days	Fri 11/23/12	Mon 12/24/12																		
196	0%	Design of Preliminary Plans	28	197,244	44 days	Wed 1/16/13	Mon 3/18/13																		
197	0%	Cost Estimates for Preliminary Plans	196	184,199,29	22 days	Tue 3/19/13	Wed 4/17/13																		
198	0%	F3 Civil Design Report				72 days	Thu 4/18/13	Sat 7/27/13																	
205	28%	Environmental/Cultural Resources/Ecosystem Restoration Activities				1083 days	Mon 6/1/09	Wed 7/24/13																	
206	0%	Cultural Resources				150 days	Thu 9/1/11	Wed 3/28/12																	
207	0%	Cultural Resources Records Search	221SS	236,208,209,210	90 days	Thu 9/1/11	Wed 1/4/12																		
208	0%	Create Historic/Prehistoric Context Study and GIS layers	207,221SS	210	60 days	Thu 1/5/12	Wed 3/28/12																		
209	0%	Cultural Resources Field Survey	207	210	15 days	Thu 1/5/12	Wed 1/25/12																		
210	0%	Cultural Report	207,208,209	236	0 days	Wed 3/28/12	Wed 3/28/12																		
211	100%	Review existing environmental documentation	4	213,212,216,226	130 days	Mon 6/1/09	Fri 11/27/09																		
212	100%	Initiate FWCA Activities (MIPR)	19,211	236,231	66 days	Mon 11/30/09	Mon 3/1/10																		
213	100%	Current list of threatened and endangered species (State and Federal)	211	236,214	10 days	Mon 11/30/09	Fri 12/11/09																		
214	0%	Update list of threatened and endangered species (State and Federal)	213,28	236FF	10 days	Wed 1/16/13	Tue 1/29/13																		
215	48%	Preliminary Without Project Conditions for Environmental Resources				415 days	Thu 1/28/10	Wed 8/31/11																	
216	100%	25% Complete Preliminary Without Project Conditions for Environment	211,16	217	100 days	Thu 1/28/10	Wed 6/16/10																		
217	100%	50% Complete Preliminary Without Project Conditions for Environment	216	218	100 days	Thu 6/17/10	Wed 11/3/10																		
218	0%	75% Complete Preliminary Without Project Conditions for Environment	217	219	100 days	Thu 1/14/10	Wed 3/23/11																		
219	0%	100% Complete Preliminary Without Project Conditions for Environment	218	221	115 days	Thu 3/24/11	Wed 8/31/11																		
220	0%	Refine Without Project Conditions for Environmental Resources				400 days	Thu 9/1/11	Wed 3/13/13																	
221	0%	25% Complete Refine w/ out Project Conditions	219	208SS,222,207SS	100 days	Thu 9/1/11	Wed 1/18/12																		
222	0%	50% Complete Refine w/ out Project Conditions	221	223	100 days	Thu 1/19/12	Wed 6/6/12																		
223	0%	75% Complete Refine w/ out Project Conditions	222	224	100 days	Thu 6/7/12	Wed 10/24/12																		
224	0%	100% Complete Refine w/ out Project Conditions	223	236	100 days	Thu 10/25/12	Wed 3/13/13																		
225	48%	Preliminary Ecosystem Restoration Opportunities				415 days	Thu 1/28/10	Wed 8/31/11																	
226	100%	25% Complete Identify Ecosystem Restoration Opportunities	211,16	227	100 days	Thu 1/28/10	Wed 6/16/10																		
227	100%	50% Complete Identify Ecosystem Restoration Opportunities	226	228	100 days	Thu 6/17/10	Wed 11/3/10																		
228	0%	75% Complete Identify Ecosystem Restoration Opportunities	227	229	100 days	Thu 1/14/10	Wed 3/23/11																		
229	0%	100% Complete Identify Ecosystem Restoration Opportunities	228	22,27,28,231	115 days	Thu 3/24/11	Wed 8/31/11																		
230	0%	Refine Ecosystem Restoration Opportunities				400 days	Thu 9/1/11	Wed 3/13/13																	
231	0%	25% Complete Refine w/ out Project Conditions	212,229	232	100 days	Thu 9/1/11	Wed 1/18/12																		
232	0%	50% Complete Refine w/ out Project Conditions	231	233	100 days	Thu 1/19/12	Wed 6/6/12																		
233	0%	75% Complete Refine w/ out Project Conditions	232	234	100 days	Thu 6/7/12	Wed 10/24/12																		
234	0%	100% Complete Refine w/ out Project Conditions	233	236	100 days	Thu 10/25/12	Wed 3/13/13																		
235	0%	F3 Environmental/Cultural/Ecosystem Report				95 days	Thu 3/14/13	Wed 7/24/13																	
243	0%	Real Estate Activities				15 days	Tue 3/19/13	Mon 4/8/13																	
244	0%	Develop initial real estate cost estimates for preliminary plans	28,196	199,29	15 days	Tue 3/19/13	Mon 4/8/13																		
245	0%	GIS and Mapping Activities				638 days	Mon 1/3/11	Wed 6/12/13																	

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

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
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																		

Project: LSJR Feasibility Study Task Milestone Project Summary External Milestone Split Top Level Tasks
 Date: Tue 2/22/11 Progress Summary External Tasks Progress