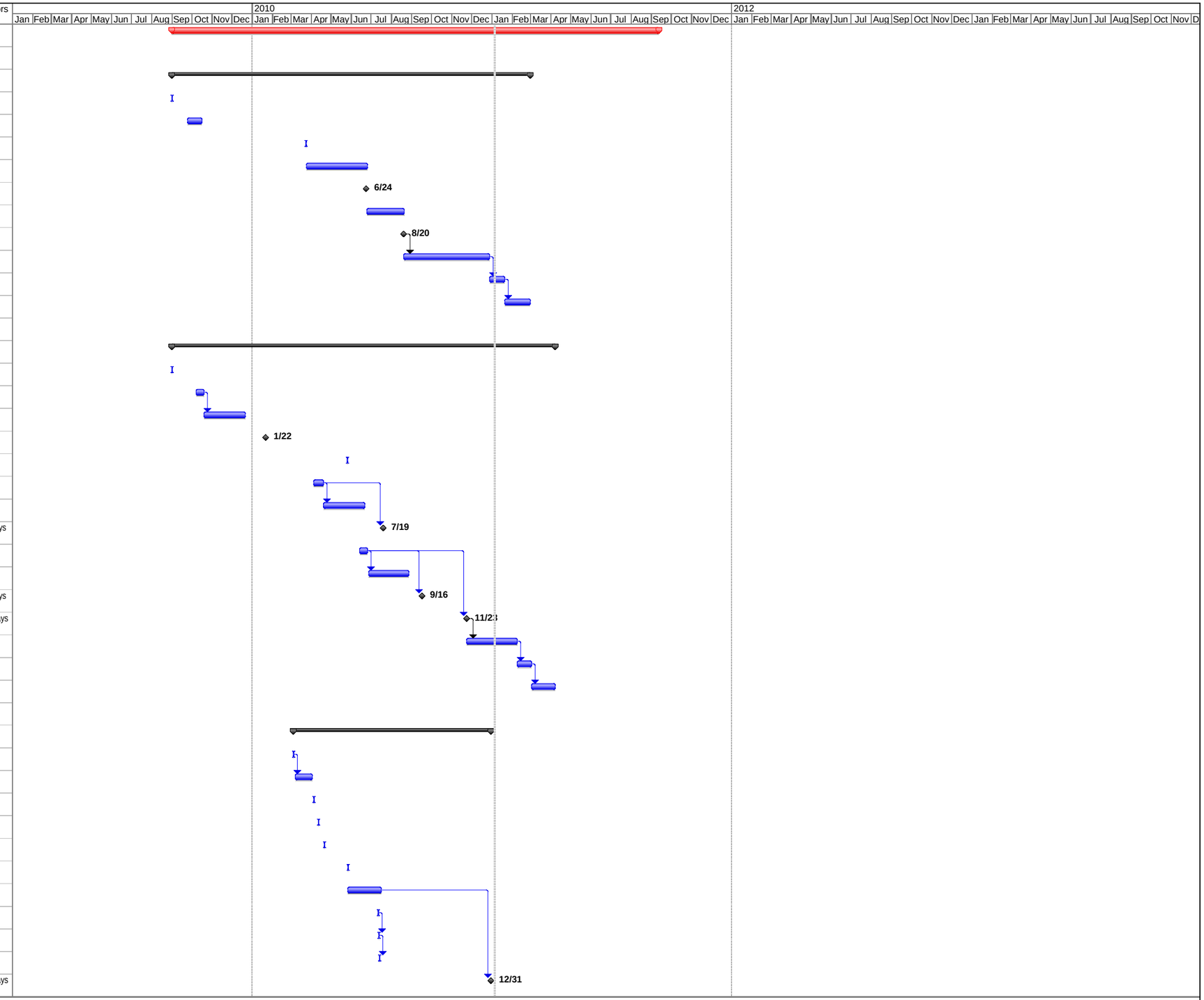
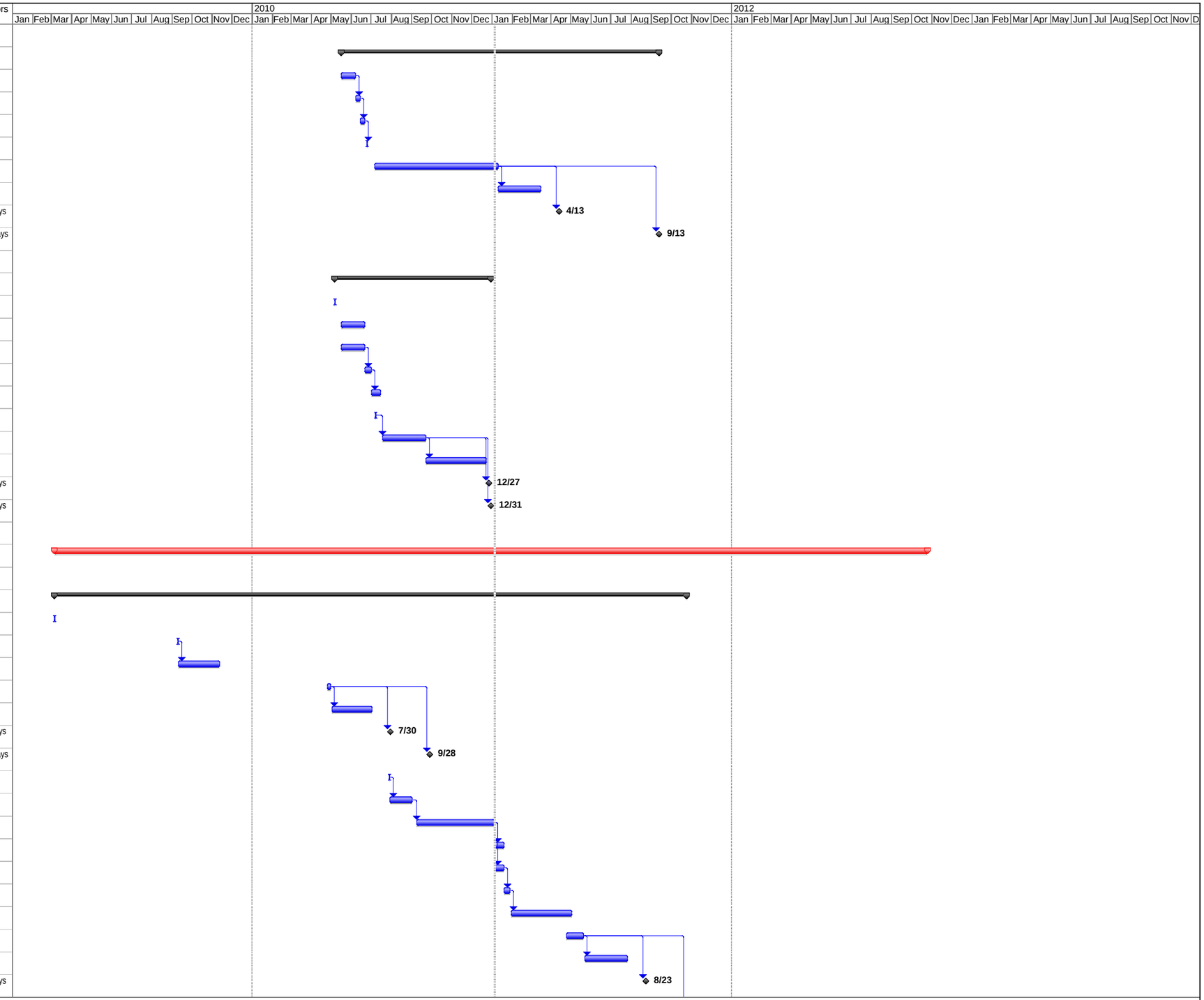
| ID | Task Name | Duration | Start | Finish | Predecessors |
|---|---|---|---|---|---|
| 1 | LOE Process-Guided Programs from RI/FS WP | 521 days | Tue 9/1/09 | Tue 9/13/11 | |
| 2 | | | | | |
| 3 | Fish Tissue | 384 days | Tue 9/1/09 | Mon 2/28/11 | |
| 4 | LOE/QAPP Approval Process | 1 day | Tue 9/1/09 | Tue 9/1/09 | |
| 5 | Field Sampling | 16 days | Fri 9/25/09 | Fri 10/16/09 | |
| 6 | Final Approval of Composites | 1 day | Wed 3/24/10 | Wed 3/24/10 | |
| 7 | Laboratory Analysis & Validation | 67 days | Thu 3/25/10 | Fri 6/25/10 | |
| 8 | Fish Data Submitted (actual) | 0 days | Thu 6/24/10 | Thu 6/24/10 | |
| 9 | Fish Data Summary TM Preparation | 41 days | Fri 6/25/10 | Fri 8/20/10 | |
| 10 | Fish Data Summary TM Submittal | 0 days | Fri 8/20/10 | Fri 8/20/10 | |
| 11 | Fish Data Summary Review | 90 days | Fri 8/20/10 | Tue 12/28/10 | 10 |
| 12 | Fish Data Comment Letter | 15 days | Wed 12/29/10 | Thu 1/20/11 | 11 |
| 13 | Fish Data Summary Report - Final | 26 days | Fri 1/21/11 | Mon 2/28/11 | 12 |
| 14 | | | | | |
| 15 | Surface Water | 412 days | Tue 9/1/09 | Thu 4/7/11 | |
| 16 | LOE/QAPP Approval Process | 1 day | Tue 9/1/09 | Tue 9/1/09 | |
| 17 | Round 1 Sampling | 8 days | Thu 10/8/09 | Mon 10/19/09 | |
| 18 | Laboratory Analysis and Validation | 45 days | Tue 10/20/09 | Mon 12/21/09 | 17 |
| 19 | Round 1 SW Data Submitted (actual) | 0 days | Fri 1/22/10 | Fri 1/22/10 | |
| 20 | Round 1 SW data presentation (actual) | 1 day | Wed 5/26/10 | Wed 5/26/10 | |
| 21 | Round 2 Sampling | 11 days | Mon 4/5/10 | Mon 4/19/10 | |
| 22 | Laboratory Analysis and Validation | 45 days | Tue 4/20/10 | Mon 6/21/10 | 21 |
| 23 | Round 2 SW Data Submital (per SA) | 0 days | Mon 7/19/10 | Mon 7/19/10 | 21FS+65 days |
| 24 | Round 3 Sampling (actual) | 10 days | Mon 6/14/10 | Fri 6/25/10 | |
| 25 | Laboratory Analysis & Validation | 45 days | Mon 6/28/10 | Fri 8/27/10 | 24 |
| 26 | Round 3 SW Data Submittal (per SA) | 0 days | Thu 9/16/10 | Thu 9/16/10 | 24FS+59 days |
| 27 | SW Data Summary TM Submittal | 0 days | Tue 11/23/10 | Tue 11/23/10 | 24FS+107 days |
| 28 | SW Data Summary TM Review | 50 days | Wed 11/24/10 | Tue 2/8/11 | 27 |
| 29 | SW Data  Comment Letter | 15 days | Wed 2/9/11 | Wed 3/2/11 | 28 |
| 30 | SW Data Summary Report - Final | 26 days | Thu 3/3/11 | Thu 4/7/11 | 29 |
| 31 | | | | | |
| 32 | Methods Development Sturgeon Sediment Tox | 212 days | Fri 3/5/10 | Fri 12/31/10 | |
| 33 | Teck submit draft QAPP | 1 day | Fri 3/5/10 | Fri 3/5/10 | |
| 34 | EPA and PP review complete | 20 days | Mon 3/8/10 | Fri 4/2/10 | 33 |
| 35 | Cultural review complete | 1 day | Mon 4/5/10 | Mon 4/5/10 | |
| 36 | Teck submits revised draft | 1 day | Mon 4/12/10 | Mon 4/12/10 | |
| 37 | QAPP approval | 1 day | Wed 4/21/10 | Wed 4/21/10 | |
| 38 | Field work | 1 day | Thu 5/27/10 | Thu 5/27/10 | |
| 39 | Laboratory Testing | 37 days | Thu 5/27/10 | Fri 7/16/10 | |
| 40 | Results and Recommendations TM | 1 day | Mon 7/12/10 | Mon 7/12/10 | |
| 41 | EPA & PP review results, recommendations for full study | 1 day | Tue 7/13/10 | Tue 7/13/10 | 40 |
| 42 | EPA Approval of recommendations for full study | 1 day | Wed 7/14/10 | Wed 7/14/10 | 41 |
| 43 | Final TM with Day 16 water quality data | 0 days | Fri 12/31/10 | Fri 12/31/10 | 39FS+107 days |




Project: UCR_overall_schedule_1_4_1
Date: Wed 1/5/11

Task | Split | Progress | Milestone | Summary | Project Summary | External Tasks | External Milestone | Deadline

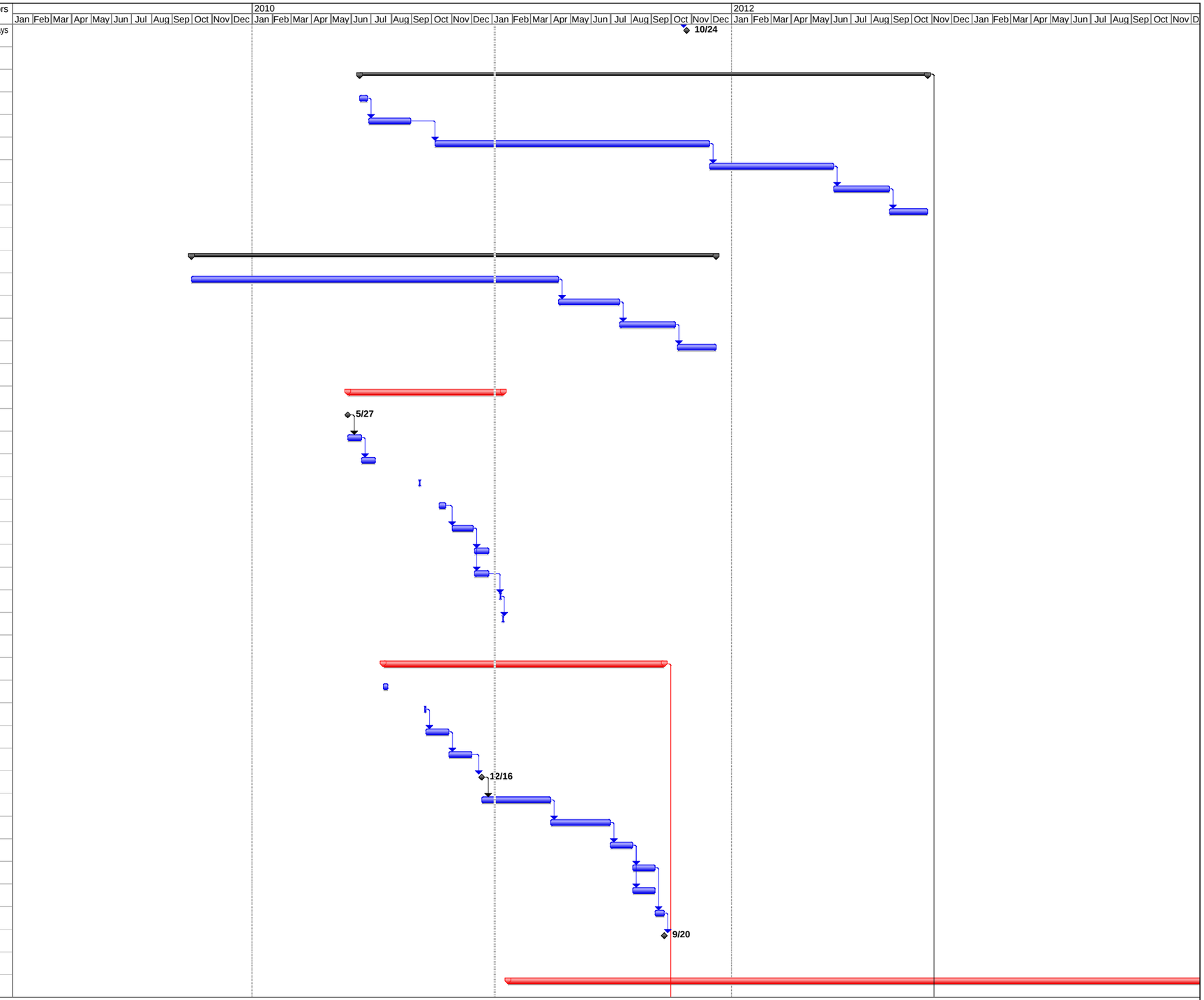
| ID | Task Name | Duration | Start | Finish | Predecessors |
|---|---|---|---|---|---|
| 44 | | | | | |
| 45 | Sturgeon Water Toxicity Testing (USGS) | 337 days | Mon 5/17/10 | Tue 9/13/11 | |
| 46 | Review draft QAPP, collect comments | 16 days | Mon 5/17/10 | Mon 6/7/10 | |
| 47 | EPA comments to USGS | 5 days | Tue 6/8/10 | Mon 6/14/10 | 46 |
| 48 | USGS submits revision | 5 days | Tue 6/15/10 | Mon 6/21/10 | 47 |
| 49 | EPA approves QAPP (amendment may be needed) | 1 day | Fri 6/25/10 | Fri 6/25/10 | 48 |
| 50 | Laboratory Toxicity Studies | 130 days | Wed 7/7/10 | Mon 1/10/11 | |
| 51 | Data Validation, Finalization (per Don/Chris) | 45 days | Tue 1/11/11 | Wed 3/16/11 | 50 |
| 52 | Validated Data Submitted by USGS | 0 days | Wed 4/13/11 | Wed 4/13/11 | 50FS+65 days |
| 53 | Sturgeon SW Toxicity Summary TM submitted | 0 days | Tue 9/13/11 | Tue 9/13/11 | 50FS+107 days |
| 54 | | | | | |
| 55 | Sturgeon Sediment Toxicity Tests (U of S) | 167 days | Fri 5/7/10 | Fri 12/31/10 | |
| 56 | QAPP Approved | 1 day | Fri 5/7/10 | Fri 5/7/10 | |
| 57 | Cultural Review | 26 days | Mon 5/17/10 | Mon 6/21/10 | |
| 58 | Permits | 26 days | Mon 5/17/10 | Mon 6/21/10 | |
| 59 | Field sampling (actual) | 8 days | Tue 6/22/10 | Thu 7/1/10 | 58 |
| 60 | Sediment Equilibration (estimated) | 10 days | Fri 7/2/10 | Thu 7/15/10 | 59 |
| 61 | Egg Reciept | 1 day | Thu 7/8/10 | Thu 7/8/10 | |
| 62 | Laboratory Testing | 48 days | Mon 7/19/10 | Wed 9/22/10 | 61 |
| 63 | Data Validation | 64 days | Thu 9/23/10 | Thu 12/23/10 | 62 |
| 64 | Validated Data Available (per SA) | 0 days | Mon 12/27/10 | Mon 12/27/10 | 62FS+65 days |
| 65 | Sturgeon Toxicity Summary TM Submittal | 0 days | Fri 12/31/10 | Fri 12/31/10 | 62FS+65 days |
| 66 | | | | | |
| 67 | HHRA Work Plan-Guided Programs | 929 days | Fri 3/6/09 | Thu 10/25/12 | |
| 68 | | | | | |
| 69 | Beach Sediment QAPP | 677 days | Fri 3/6/09 | Mon 10/24/11 | |
| 70 | LOE/QAPP Approval Process | 1 day | Fri 3/6/09 | Fri 3/6/09 | |
| 71 | Round 1 Field Work (actual) | 1 day | Thu 9/10/09 | Thu 9/10/09 | |
| 72 | Laboratory Analysis and Validation | 45 days | Fri 9/11/09 | Thu 11/12/09 | 71 |
| 73 | Round 2 Field Work (actual) | 5 days | Mon 4/26/10 | Fri 4/30/10 | |
| 74 | Laboratory Analysis and Validation | 45 days | Mon 5/3/10 | Fri 7/2/10 | 73 |
| 75 | Rounds 1& 2 Beach Data Submittal (per SA) | 0 days | Fri 7/30/10 | Fri 7/30/10 | 73FS+65 days |
| 76 | Round 1 and 2 Data Summary Report submitted | 0 days | Tue 9/28/10 | Tue 9/28/10 | 73FS+107 days |
| 77 | GoTo Meeting with Teck, EPA, PPs re: 2011 beaches | 1 day | Thu 7/29/10 | Thu 7/29/10 | |
| 78 | Cultural Review | 24 days | Fri 7/30/10 | Wed 9/1/10 | 77 |
| 79 | Teck prepares and submits QAPP Amendment #2 (2011 Beac | 80 days | Thu 9/9/10 | Tue 1/4/11 | 78 |
| 80 | EPA review | 10 days | Wed 1/5/11 | Wed 1/19/11 | 79 |
| 81 | PP Review | 10 days | Wed 1/5/11 | Wed 1/19/11 | 79 |
| 82 | EPA Approval determination | 7 days | Thu 1/20/11 | Fri 1/28/11 | 81 |
| 83 | Permits | 65 days | Mon 1/31/11 | Mon 5/2/11 | 82 |
| 84 | Round 3 Field sampling (drawdown) | 20 days | Mon 4/25/11 | Fri 5/20/11 | |
| 85 | Laboratory Analysis and Validation | 45 days | Mon 5/23/11 | Tue 7/26/11 | 84 |
| 86 | Round 3 Beach Data Submittal (per SA) | 0 days | Tue 8/23/11 | Tue 8/23/11 | 84FS+65 days |




Project: UCR_overall_schedule_1_4_1
Date: Wed 1/5/11

Task | Split | Progress | Milestone | Summary | Project Summary | External Tasks | External Milestone | Deadline

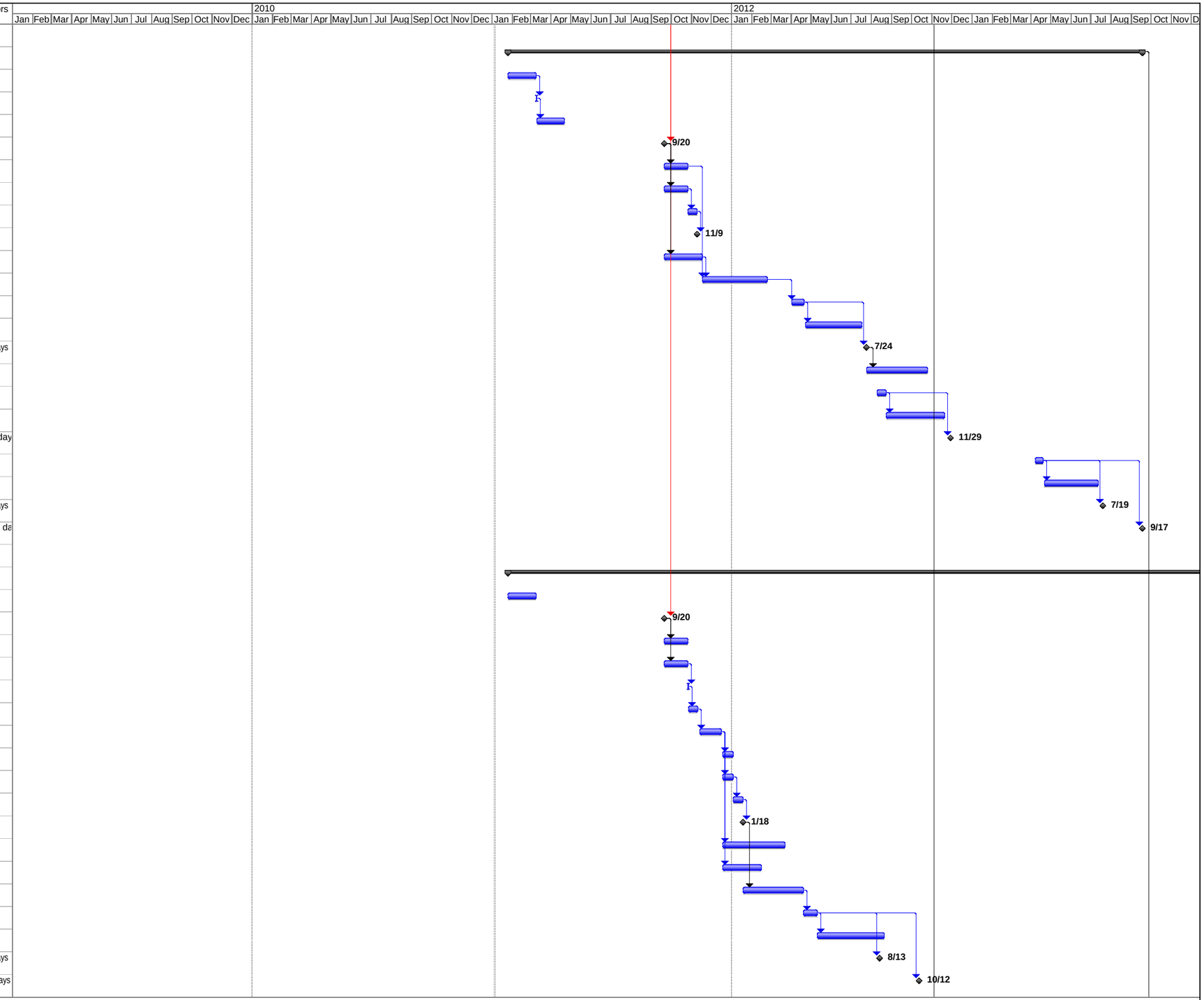
| ID | Task Name | Duration | Start | Finish | Predecessors |
|---|---|---|---|---|---|
| 87 | Beach Data Summary TM Submittal | 0 days | Mon 10/24/11 | Mon 10/24/11 | 84FS+107 days |
| 88 | | | | | |
| 89 | DOI Recreational Use Survey | 598 days | Mon 6/14/10 | Thu 10/25/12 | |
| 90 | Pre-Testing | 10 days | Mon 6/14/10 | Fri 6/25/10 | |
| 91 | Finalize SAP, Survey Instruments | 46 days | Mon 6/28/10 | Mon 8/30/10 | 90 |
| 92 | Implement Survey | 285 days | Thu 10/7/10 | Mon 11/28/11 | 91 |
| 93 | Draft Data Analysis, Summary Report | 130 days | Tue 11/29/11 | Mon 6/4/12 | 92 |
| 94 | EPA & PP & Teck Review | 60 days | Tue 6/5/12 | Tue 8/28/12 | 93 |
| 95 | Final Data Analysis Summary Report | 40 days | Wed 8/29/12 | Thu 10/25/12 | 94 |
| 96 | | | | | |
| 97 | CCT Consumption & Resource Use Survey | 558 days | Thu 10/1/09 | Thu 12/8/11 | |
| 98 | Survey / Interviews | 393 days | Thu 10/1/09 | Tue 4/12/11 | |
| 99 | Draft Data Analysis, Summary Report | 65 days | Wed 4/13/11 | Thu 7/14/11 | 98 |
| 100 | EPA & PP & Teck Review | 60 days | Fri 7/15/11 | Fri 10/7/11 | 99 |
| 101 | Final Data Analysis Summary Report | 40 days | Tue 10/11/11 | Thu 12/8/11 | 100 |
| 102 | | | | | |
| 103 | BERA Work Plan | 164 days | Thu 5/27/10 | Tue 1/18/11 | |
| 104 | Final draft of comment letter and revsed sections to PPs | 0 days | Thu 5/27/10 | Thu 5/27/10 | |
| 105 | PP review of final draft of comment letter and revised sections | 15 days | Thu 5/27/10 | Wed 6/16/10 | 104 |
| 106 | EPA and PPs discuss changes | 15 days | Thu 6/17/10 | Wed 7/7/10 | 105 |
| 107 | Comment letter and revised sections to Teck | 1 day | Mon 9/13/10 | Mon 9/13/10 | |
| 108 | Meeting to discuss comments, Revised Comment Letter Issued | 8 days | Wed 10/13/10 | Fri 10/22/10 | |
| 109 | Teck revision of document (per SA) | 22 days | Tue 11/2/10 | Fri 12/3/10 | 108 |
| 110 | EPA Review | 15 days | Mon 12/6/10 | Mon 12/27/10 | 109 |
| 111 | PP Review | 15 days | Mon 12/6/10 | Mon 12/27/10 | 109 |
| 112 | Approval determination, letter drafted | 1 day | Fri 1/14/11 | Fri 1/14/11 | 111 |
| 113 | Approval letter to Teck | 1 day | Tue 1/18/11 | Tue 1/18/11 | 112 |
| 114 | | | | | |
| 115 | Problem Formulation Tech Memo | 297 days | Tue 7/20/10 | Tue 9/20/11 | |
| 116 | Advance material to PPs (examples, outline) | 5 days | Tue 7/20/10 | Mon 7/26/10 | |
| 117 | EPA / PP Technical Workshop (EPA Seattle) | 2 days | Tue 9/21/10 | Wed 9/22/10 | |
| 118 | EPA prepares Problem Formulation Expansion Plan | 25 days | Thu 9/23/10 | Wed 10/27/10 | 117 |
| 119 | PP Review and Follow-up | 23 days | Thu 10/28/10 | Wed 12/1/10 | 118 |
| 120 | EPA Problem Formulation Expansion Plan to Teck, Discussion | 0 days | Thu 12/16/10 | Thu 12/16/10 | 119 |
| 121 | Teck Submits Expanded Problem Formulation Plan | 71 days | Fri 12/17/10 | Thu 3/31/11 | 120 |
| 122 | EPA, PPs review, develop cmts | 64 days | Fri 4/1/11 | Thu 6/30/11 | 121 |
| 123 | Teck Revision (per SA) | 23 days | Fri 7/1/11 | Wed 8/3/11 | 122 |
| 124 | EPA Review | 23 days | Thu 8/4/11 | Tue 9/6/11 | 123 |
| 125 | PP Review | 23 days | Thu 8/4/11 | Tue 9/6/11 | 123 |
| 126 | Approval determination, letter drafted | 10 days | Wed 9/7/11 | Tue 9/20/11 | 124 |
| 127 | Approval letter to Teck | 0 days | Tue 9/20/11 | Tue 9/20/11 | 126 |
| 128 | | | | | |
| 129 | Problem Formulation - Guided Programs | 1996 days | Wed 1/26/11 | Wed 10/17/18 | |




Project: UCR_overall_schedule_1_4_1
Date: Wed 1/5/11

Task | Split | Progress | Milestone | Summary | Project Summary | External Tasks | External Milestone | Deadline

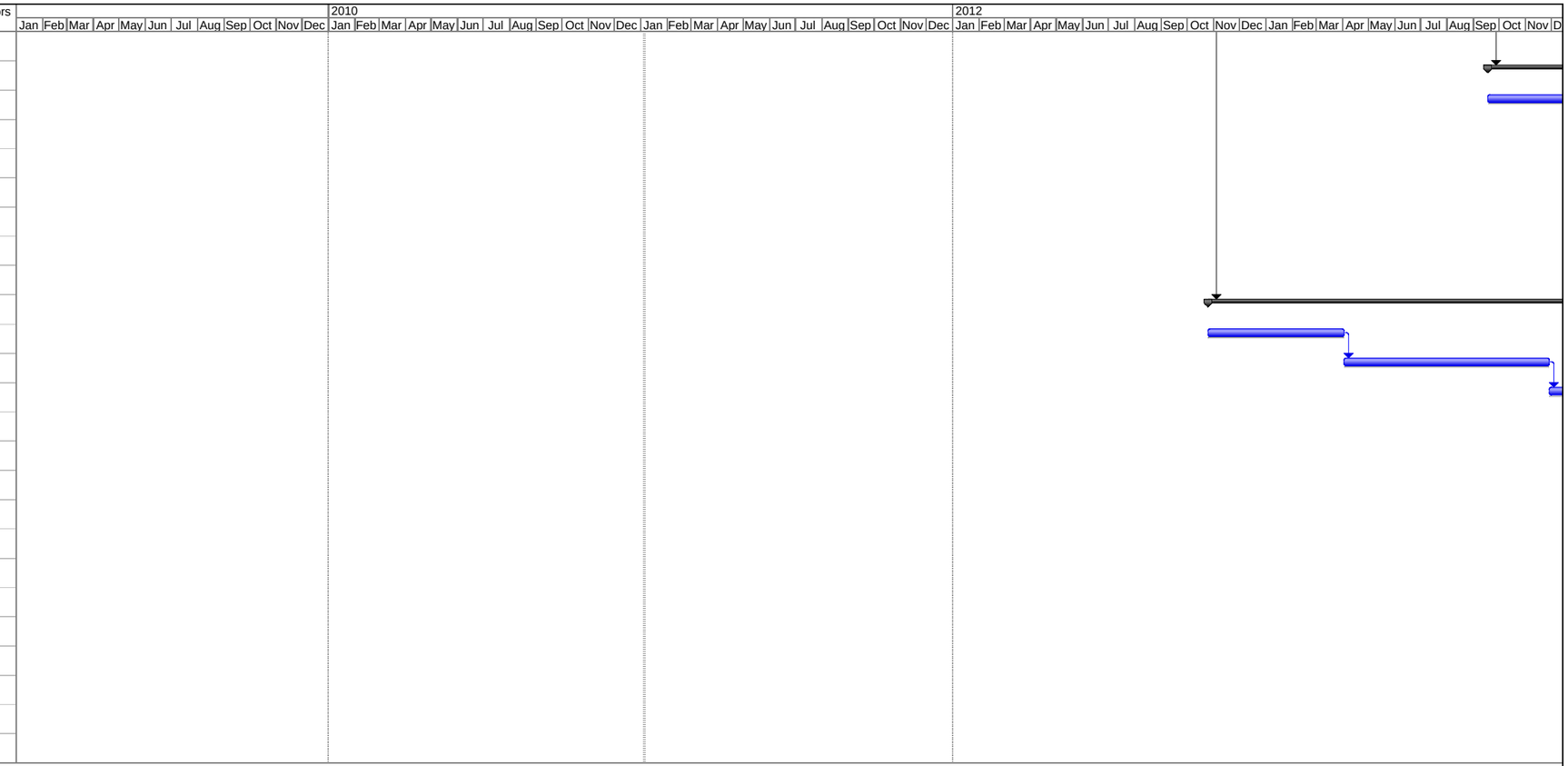
| ID | Task Name | Duration | Start | Finish | Predecessors |
|---|---|---|---|---|---|
| 130 | | | | | |
| 131 | Sediment / Benthic Toxicity QAPP | 670 days | Wed 1/26/11 | Tue 9/17/13 | |
| 132 | Discussions about program can precede outcome of PF | 30 days | Wed 1/26/11 | Wed 3/9/11 | |
| 133 | Pathforward/Expectations Delivered (update of LOE) | 1 day | Thu 3/10/11 | Thu 3/10/11 | 132 |
| 134 | Binning/Batching & Locations TM | 30 days | Fri 3/11/11 | Thu 4/21/11 | 133 |
| 135 | Teck submits draft QAPP | 0 days | Tue 9/20/11 | Tue 9/20/11 | 115 |
| 136 | EPA review | 25 days | Wed 9/21/11 | Wed 10/26/11 | 135 |
| 137 | PP Review | 25 days | Wed 9/21/11 | Wed 10/26/11 | 135 |
| 138 | Approval determination, letter drafted | 10 days | Thu 10/27/11 | Wed 11/9/11 | 137 |
| 139 | Approval letter to Teck | 0 days | Wed 11/9/11 | Wed 11/9/11 | 138 |
| 140 | Cultural Review | 40 days | Wed 9/21/11 | Thu 11/17/11 | 135 |
| 141 | Permits | 65 days | Fri 11/18/11 | Fri 2/24/12 | 140,136 |
| 142 | Field sampling Round 1 (includes methods development) | 15 days | Mon 4/2/12 | Fri 4/20/12 | 141 |
| 143 | Laboratory Analysis | 60 days | Mon 4/23/12 | Tue 7/17/12 | 142 |
| 144 | Data report submittal | 0 days | Tue 7/24/12 | Tue 7/24/12 | 142FS+65 days |
| 145 | Analysis/Discussion | 65 days | Wed 7/25/12 | Thu 10/25/12 | 144 |
| 146 | Field sampling Round 2 | 10 days | Fri 8/10/12 | Thu 8/23/12 | |
| 147 | Laboratory Analysis | 60 days | Fri 8/24/12 | Tue 11/20/12 | 146 |
| 148 | Data report submittal | 0 days | Thu 11/29/12 | Thu 11/29/12 | 146FS+65 day |
| 149 | Field sampling Round 3 | 10 days | Mon 4/8/13 | Fri 4/19/13 | |
| 150 | Laboratory Analysis | 60 days | Mon 4/22/13 | Fri 7/12/13 | 149 |
| 151 | Data Report Submital | 0 days | Fri 7/19/13 | Fri 7/19/13 | 149FS+65 days |
| 152 | Data Summary Report | 0 days | Tue 9/17/13 | Tue 9/17/13 | 149FS+107 da |
| 153 | | | | | |
| 154 | Soil QAPP (Upland Habitat Sampling) | 1996 days | Wed 1/26/11 | Wed 10/17/18 | |
| 155 | Discussions about program can precede outcome | 30 days | Wed 1/26/11 | Wed 3/9/11 | |
| 156 | Teck submits draft QAPP | 0 days | Tue 9/20/11 | Tue 9/20/11 | 115 |
| 157 | EPA Review | 25 days | Wed 9/21/11 | Wed 10/26/11 | 156 |
| 158 | PP Review | 25 days | Wed 9/21/11 | Wed 10/26/11 | 156 |
| 159 | Meeting to Discuss Comments | 1 day | Thu 10/27/11 | Thu 10/27/11 | 158 |
| 160 | Comments Compiled, letter drafted, sent | 10 days | Fri 10/28/11 | Thu 11/10/11 | 159 |
| 161 | Teck Revises, Resubmits QAPP | 23 days | Mon 11/14/11 | Fri 12/16/11 | 160 |
| 162 | EPA Review | 10 days | Mon 12/19/11 | Tue 1/3/12 | 161 |
| 163 | PP Review | 10 days | Mon 12/19/11 | Tue 1/3/12 | 161 |
| 164 | Approval determination, letter drafted | 10 days | Wed 1/4/12 | Wed 1/18/12 | 163 |
| 165 | QAPP Approved | 0 days | Wed 1/18/12 | Wed 1/18/12 | 164 |
| 166 | Access agreements | 65 days | Mon 12/19/11 | Thu 3/22/12 | 161 |
| 167 | Cultural Review | 40 days | Mon 12/19/11 | Wed 2/15/12 | 161 |
| 168 | Permitting | 65 days | Thu 1/19/12 | Thu 4/19/12 | 165 |
| 169 | Field sampling | 15 days | Fri 4/20/12 | Thu 5/10/12 | 168 |
| 170 | Laboratory analysis & validation | 70 days | Fri 5/11/12 | Mon 8/20/12 | 169 |
| 171 | Data Submittal (per SA) | 0 days | Mon 8/13/12 | Mon 8/13/12 | 169FS+65 days |
| 172 | Soil Data Report Submittal | 0 days | Fri 10/12/12 | Fri 10/12/12 | 169FS+107 days |




Project: UCR_overall_schedule_1_4_1
Date: Wed 1/5/11

Task | Split | Progress | Milestone | Summary | Project Summary | External Tasks | External Milestone | Deadline

| ID | Task Name | Duration | Start | Finish | Predecessors |
|---|---|---|---|---|---|
| 173 | | | | | |
| 174 | **Ecological Risk Assessment** | **673 days** | **Wed 9/18/13** | **Fri 4/15/16** | **131** |
| 175 | First Draft - analysis of data gaps | 109 days | Wed 9/18/13 | Mon 2/17/14 | |
| 176 | Develop QAPP to fill data gaps | 172 days | Tue 2/18/14 | Wed 10/15/14 | 175 |
| 177 | Sampling to fill data gaps | 75 days | Thu 10/16/14 | Wed 1/28/15 | 176 |
| 178 | Laboratory Analysis & validation | 120 days | Thu 1/29/15 | Wed 7/15/15 | 177 |
| 179 | Second Draft - ERA | 88 days | Thu 7/16/15 | Mon 11/16/15 | 178 |
| 180 | Approval of Final ERA | 109 days | Tue 11/17/15 | Fri 4/15/16 | 179 |
| 181 | | | | | |
| 182 | **Human Health Risk Assessment** | **673 days** | **Fri 10/26/12** | **Mon 6/1/15** | **89** |
| 183 | First Draft - analysis of data gaps | 109 days | Fri 10/26/12 | Tue 4/2/13 | |
| 184 | Develop QAPP to fill data gaps | 172 days | Wed 4/3/13 | Thu 11/28/13 | 183 |
| 185 | Sampling to fill data gaps | 75 days | Fri 11/29/13 | Thu 3/13/14 | 184 |
| 186 | Laboratory Analysis & validation | 120 days | Fri 3/14/14 | Thu 8/28/14 | 185 |
| 187 | Second Draft - HHRA | 88 days | Fri 8/29/14 | Tue 12/30/14 | 186 |
| 188 | Approval of Final HHRA | 109 days | Wed 12/31/14 | Mon 6/1/15 | 187 |
| 189 | | | | | |
| 190 | **Complete RI** | **653 days** | **Mon 4/18/16** | **Wed 10/17/18** | **174** |
| 191 | Revise CSM | 20 days | Mon 4/18/16 | Fri 5/13/16 | |
| 192 | Assess N&E and F&T | 109 days | Mon 5/16/16 | Thu 10/13/16 | 191 |
| 193 | Sampling to fill data gaps | 75 days | Fri 10/14/16 | Thu 1/26/17 | 192 |
| 194 | Laboratory Analysis & validation | 120 days | Fri 1/27/17 | Thu 7/13/17 | 193 |
| 195 | Write RI Report | 132 days | Fri 7/14/17 | Mon 1/15/18 | 194 |
| 196 | Second Draft | 88 days | Tue 1/16/18 | Thu 5/17/18 | 195 |
| 197 | Approval of Final RI | 109 days | Fri 5/18/18 | Wed 10/17/18 | 196 |

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| ID | Task Name | Duration | Start | Finish | Predecessors |
|---|---|---|---|---|---|
| 87 | Beach Data Summary TM Submittal | 0 days | Mon 10/24/11 | Mon 10/24/11 | 84FS+107 days |
| 88 | | | | | |
| 89 | DOI Recreational Use Survey | 598 days | Mon 6/14/10 | Thu 10/25/12 | |
| 90 | Pre-Testing | 10 days | Mon 6/14/10 | Fri 6/25/10 | |
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| 102 | | | | | |
| 103 | BERA Work Plan | 164 days | Thu 5/27/10 | Tue 1/18/11 | |
| 104 | Final draft of comment letter and revsed sections to PPs | 0 days | Thu 5/27/10 | Thu 5/27/10 | |
| 105 | PP review of final draft of comment letter and revised sections | 15 days | Thu 5/27/10 | Wed 6/16/10 | 104 |
| 106 | EPA and PPs discuss changes | 15 days | Thu 6/17/10 | Wed 7/7/10 | 105 |
| 107 | Comment letter and revised sections to Teck | 1 day | Mon 9/13/10 | Mon 9/13/10 | |
| 108 | Meeting to discuss comments, Revised Comment Letter Issued | 8 days | Wed 10/13/10 | Fri 10/22/10 | |
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| 110 | EPA Review | 15 days | Mon 12/6/10 | Mon 12/27/10 | 109 |
| 111 | PP Review | 15 days | Mon 12/6/10 | Mon 12/27/10 | 109 |
| 112 | Approval determination, letter drafted | 1 day | Fri 1/14/11 | Fri 1/14/11 | 111 |
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| 114 | | | | | |
| 115 | Problem Formulation Tech Memo | 297 days | Tue 7/20/10 | Tue 9/20/11 | |
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| 117 | EPA / PP Technical Workshop (EPA Seattle) | 2 days | Tue 9/21/10 | Wed 9/22/10 | |
| 118 | EPA prepares Problem Formulation Expansion Plan | 25 days | Thu 9/23/10 | Wed 10/27/10 | 117 |
| 119 | PP Review and Follow-up | 23 days | Thu 10/28/10 | Wed 12/1/10 | 118 |
| 120 | EPA Problem Formulation Expansion Plan to Teck, Discussion | 0 days | Thu 12/16/10 | Thu 12/16/10 | 119 |
| 121 | Teck Submits Expanded Problem Formulation Plan | 71 days | Fri 12/17/10 | Thu 3/31/11 | 120 |
| 122 | EPA, PPs review, develop cmts | 64 days | Fri 4/1/11 | Thu 6/30/11 | 121 |
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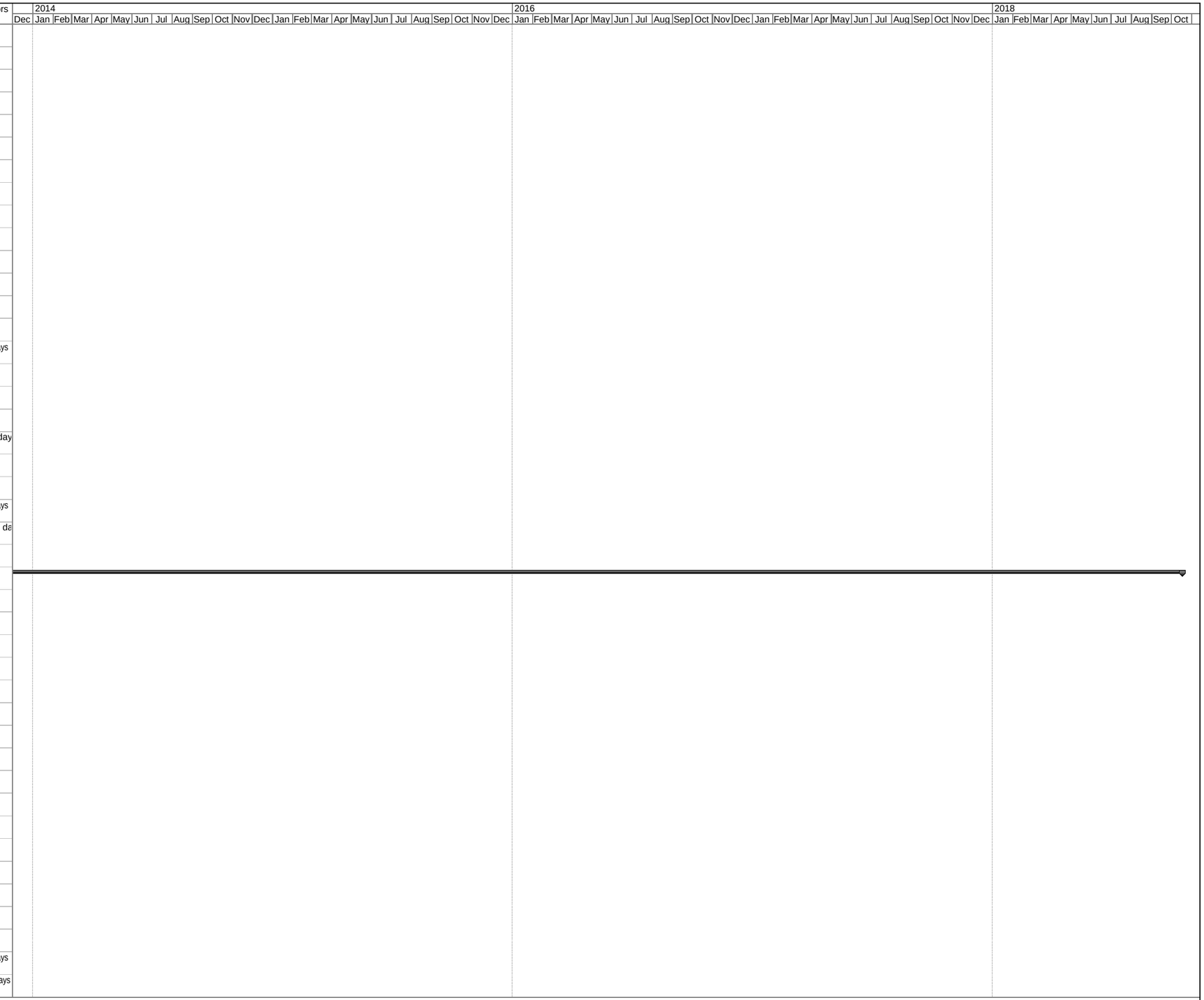
| 124 | EPA Review | 23 days | Thu 8/4/11 | Tue 9/6/11 | 123 |
| 125 | PP Review | 23 days | Thu 8/4/11 | Tue 9/6/11 | 123 |
| 126 | Approval determination, letter drafted | 10 days | Wed 9/7/11 | Tue 9/20/11 | 124 |
| 127 | Approval letter to Teck | 0 days | Tue 9/20/11 | Tue 9/20/11 | 126 |
| 128 | | | | | |
| 129 | Problem Formulation - Guided Programs | 1996 days | Wed 1/26/11 | Wed 10/17/18 | |

Project: UCR_overall_schedule_1_4_1
Date: Wed 1/5/11

Task | Split | Progress | Milestone | Summary | Project Summary | External Tasks | External Milestone | Deadline

| ID | Task Name | Duration | Start | Finish | Predecessors |
|---|---|---|---|---|---|
| 130 | | | | | |
| 131 | Sediment / Benthic Toxicity QAPP | 670 days | Wed 1/26/11 | Tue 9/17/13 | |
| 132 | Discussions about program can precede outcome of PF | 30 days | Wed 1/26/11 | Wed 3/9/11 | |
| 133 | Pathforward/Expectations Delivered (update of LOE) | 1 day | Thu 3/10/11 | Thu 3/10/11 | 132 |
| 134 | Binning/Batching & Locations TM | 30 days | Fri 3/11/11 | Thu 4/21/11 | 133 |
| 135 | Teck submits draft QAPP | 0 days | Tue 9/20/11 | Tue 9/20/11 | 115 |
| 136 | EPA review | 25 days | Wed 9/21/11 | Wed 10/26/11 | 135 |
| 137 | PP Review | 25 days | Wed 9/21/11 | Wed 10/26/11 | 135 |
| 138 | Approval determination, letter drafted | 10 days | Thu 10/27/11 | Wed 11/9/11 | 137 |
| 139 | Approval letter to Teck | 0 days | Wed 11/9/11 | Wed 11/9/11 | 138 |
| 140 | Cultural Review | 40 days | Wed 9/21/11 | Thu 11/17/11 | 135 |
| 141 | Permits | 65 days | Fri 11/18/11 | Fri 2/24/12 | 140,136 |
| 142 | Field sampling Round 1 (includes methods development) | 15 days | Mon 4/2/12 | Fri 4/20/12 | 141 |
| 143 | Laboratory Analysis | 60 days | Mon 4/23/12 | Tue 7/17/12 | 142 |
| 144 | Data report submittal | 0 days | Tue 7/24/12 | Tue 7/24/12 | 142FS+65 days |
| 145 | Analysis/Discussion | 65 days | Wed 7/25/12 | Thu 10/25/12 | 144 |
| 146 | Field sampling Round 2 | 10 days | Fri 8/10/12 | Thu 8/23/12 | |
| 147 | Laboratory Analysis | 60 days | Fri 8/24/12 | Tue 11/20/12 | 146 |
| 148 | Data report submittal | 0 days | Thu 11/29/12 | Thu 11/29/12 | 146FS+65 day |
| 149 | Field sampling Round 3 | 10 days | Mon 4/8/13 | Fri 4/19/13 | |
| 150 | Laboratory Analysis | 60 days | Mon 4/22/13 | Fri 7/12/13 | 149 |
| 151 | Data Report Submital | 0 days | Fri 7/19/13 | Fri 7/19/13 | 149FS+65 days |
| 152 | Data Summary Report | 0 days | Tue 9/17/13 | Tue 9/17/13 | 149FS+107 da |
| 153 | | | | | |
| 154 | Soil QAPP (Upland Habitat Sampling) | 1996 days | Wed 1/26/11 | Wed 10/17/18 | |
| 155 | Discussions about program can precede outcome | 30 days | Wed 1/26/11 | Wed 3/9/11 | |
| 156 | Teck submits draft QAPP | 0 days | Tue 9/20/11 | Tue 9/20/11 | 115 |
| 157 | EPA Review | 25 days | Wed 9/21/11 | Wed 10/26/11 | 156 |
| 158 | PP Review | 25 days | Wed 9/21/11 | Wed 10/26/11 | 156 |
| 159 | Meeting to Discuss Comments | 1 day | Thu 10/27/11 | Thu 10/27/11 | 158 |
| 160 | Comments Compiled, letter drafted, sent | 10 days | Fri 10/28/11 | Thu 11/10/11 | 159 |
| 161 | Teck Revises, Resubmits QAPP | 23 days | Mon 11/14/11 | Fri 12/16/11 | 160 |
| 162 | EPA Review | 10 days | Mon 12/19/11 | Tue 1/3/12 | 161 |
| 163 | PP Review | 10 days | Mon 12/19/11 | Tue 1/3/12 | 161 |
| 164 | Approval determination, letter drafted | 10 days | Wed 1/4/12 | Wed 1/18/12 | 163 |
| 165 | QAPP Approved | 0 days | Wed 1/18/12 | Wed 1/18/12 | 164 |
| 166 | Access agreements | 65 days | Mon 12/19/11 | Thu 3/22/12 | 161 |
| 167 | Cultural Review | 40 days | Mon 12/19/11 | Wed 2/15/12 | 161 |
| 168 | Permitting | 65 days | Thu 1/19/12 | Thu 4/19/12 | 165 |
| 169 | Field sampling | 15 days | Fri 4/20/12 | Thu 5/10/12 | 168 |
| 170 | Laboratory analysis & validation | 70 days | Fri 5/11/12 | Mon 8/20/12 | 169 |
| 171 | Data Submittal (per SA) | 0 days | Mon 8/13/12 | Mon 8/13/12 | 169FS+65 days |
| 172 | Soil Data Report Submittal | 0 days | Fri 10/12/12 | Fri 10/12/12 | 169FS+107 days |

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Date: Wed 1/5/11

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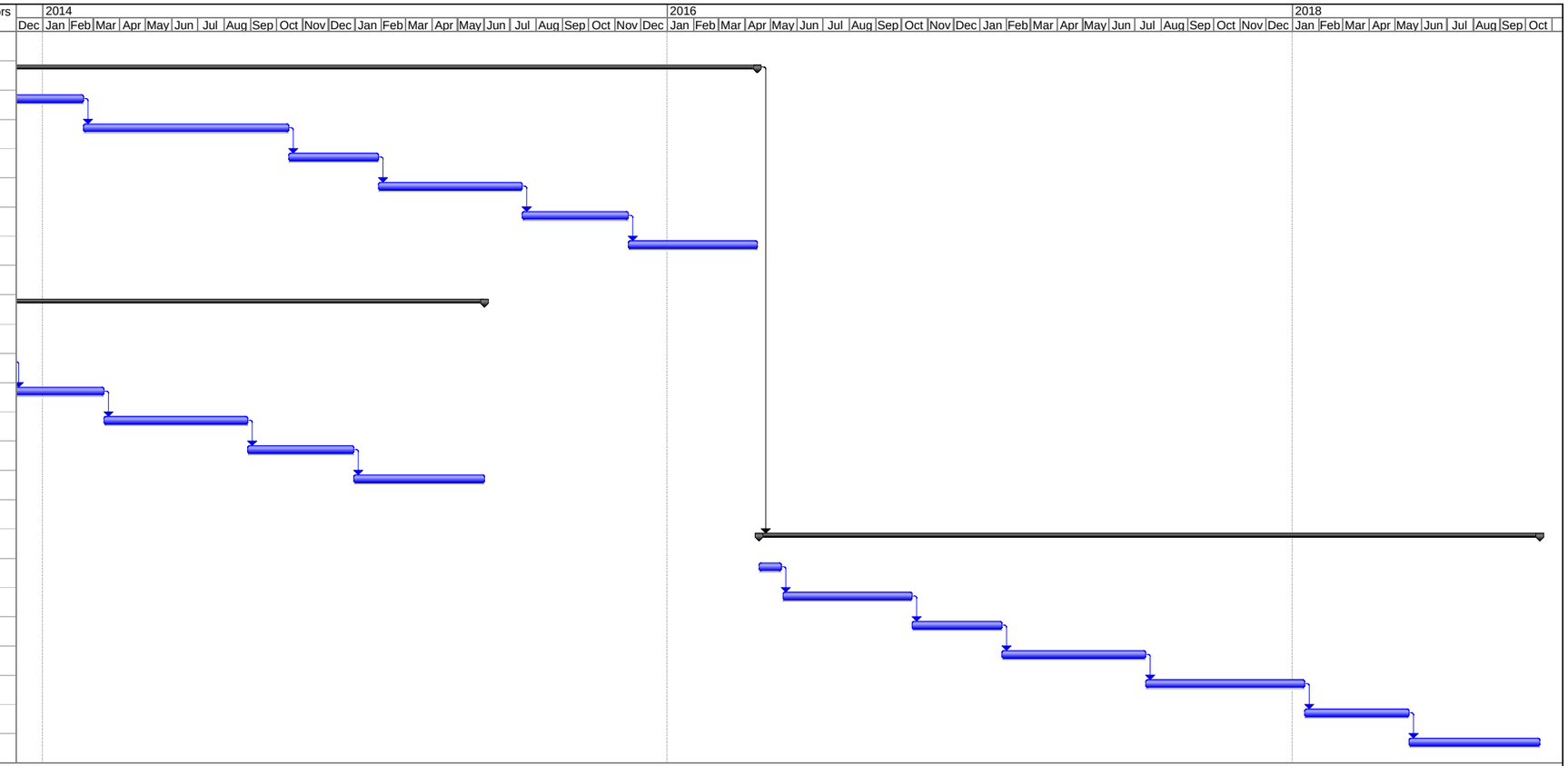
| ID | Task Name | Duration | Start | Finish | Predecessors |
|---|---|---|---|---|---|
| 173 | | | | | |
| 174 | **Ecological Risk Assessment** | **673 days** | **Wed 9/18/13** | **Fri 4/15/16** | **131** |
| 175 | First Draft - analysis of data gaps | 109 days | Wed 9/18/13 | Mon 2/17/14 | |
| 176 | Develop QAPP to fill data gaps | 172 days | Tue 2/18/14 | Wed 10/15/14 | 175 |
| 177 | Sampling to fill data gaps | 75 days | Thu 10/16/14 | Wed 1/28/15 | 176 |
| 178 | Laboratory Analysis & validation | 120 days | Thu 1/29/15 | Wed 7/15/15 | 177 |
| 179 | Second Draft - ERA | 88 days | Thu 7/16/15 | Mon 11/16/15 | 178 |
| 180 | Approval of Final ERA | 109 days | Tue 11/17/15 | Fri 4/15/16 | 179 |
| 181 | | | | | |
| 182 | **Human Health Risk Assessment** | **673 days** | **Fri 10/26/12** | **Mon 6/1/15** | **89** |
| 183 | First Draft - analysis of data gaps | 109 days | Fri 10/26/12 | Tue 4/2/13 | |
| 184 | Develop QAPP to fill data gaps | 172 days | Wed 4/3/13 | Thu 11/28/13 | 183 |
| 185 | Sampling to fill data gaps | 75 days | Fri 11/29/13 | Thu 3/13/14 | 184 |
| 186 | Laboratory Analysis & validation | 120 days | Fri 3/14/14 | Thu 8/28/14 | 185 |
| 187 | Second Draft - HHRA | 88 days | Fri 8/29/14 | Tue 12/30/14 | 186 |
| 188 | Approval of Final HHRA | 109 days | Wed 12/31/14 | Mon 6/1/15 | 187 |
| 189 | | | | | |
| 190 | **Complete RI** | **653 days** | **Mon 4/18/16** | **Wed 10/17/18** | **174** |
| 191 | Revise CSM | 20 days | Mon 4/18/16 | Fri 5/13/16 | |
| 192 | Assess N&E and F&T | 109 days | Mon 5/16/16 | Thu 10/13/16 | 191 |
| 193 | Sampling to fill data gaps | 75 days | Fri 10/14/16 | Thu 1/26/17 | 192 |
| 194 | Laboratory Analysis & validation | 120 days | Fri 1/27/17 | Thu 7/13/17 | 193 |
| 195 | Write RI Report | 132 days | Fri 7/14/17 | Mon 1/15/18 | 194 |
| 196 | Second Draft | 88 days | Tue 1/16/18 | Thu 5/17/18 | 195 |
| 197 | Approval of Final RI | 109 days | Fri 5/18/18 | Wed 10/17/18 | 196 |

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