

### Figure 3. DO TMDL Implementation Plan Schedule

URS Corporation  
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 Lisa\_Hunt@urscorp.com

| ID | Task Name   | Duration        | Start               | Finish              | Predecessors |
|----|---|-----------------|---------------------|---------------------|--------------|
| 1  | <b>Plan of Action</b>   | <b>233 days</b> | <b>Wed 10/10/01</b> | <b>Fri 08/30/02</b> |              |
| 2  | Internal Draft (URS)  | 16 days         | Wed 10/10/01        | Wed 10/31/01        |              |
| 3  | Second Draft (URS)  | 4 days          | Thu 11/01/01        | Tue 11/06/01        | 2            |
| 4  | <i>Steering Committee Review</i>  | 18 days         | Tue 11/20/01        | Thu 12/13/01        | 3            |
| 5  | Public Draft POA (URS)  | 6 days          | Fri 12/14/01        | Fri 12/21/01        | 4            |
| 6  | <i>Steering Committee Review</i>  | 5 days          | Mon 12/24/01        | Fri 12/28/01        | 5            |
| 7  | Revisions (Kevin Wolf)  | 3 days          | Mon 12/31/01        | Wed 01/02/02        | 6            |
| 8  | <i>Stakeholder Review</i>   | 12 days         | Thu 01/03/02        | Fri 01/18/02        | 7            |
| 9  | Revise Schedule (URS)   | 13 days         | Mon 04/01/02        | Wed 04/17/02        | 8            |
| 10 | <i>Steering Committee Review</i>  | 20 days         | Thu 04/18/02        | Wed 05/15/02        | 9            |
| 11 | Revise POA (TMDL Coordinator)   | 20 days         | Mon 08/05/02        | Fri 08/30/02        | 10,19        |
| 12 | <b>Consultant Selection</b>   | <b>165 days</b> | <b>Mon 12/17/01</b> | <b>Fri 08/02/02</b> |              |
| 13 | Prepare RFP(s) for DA Coordinator & IP Consultant (CALFED)              | 95 days         | Mon 12/17/01        | Fri 04/26/02        |              |
| 14 | Steering Committee Review   | 5 days          | Mon 04/29/02        | Fri 05/03/02        | 13           |
| 15 | Distribute RFP(s) (CALFED)  | 5 days          | Mon 05/06/02        | Fri 05/10/02        | 14           |
| 16 | Proposals due(CALFED)   | 15 days         | Mon 05/13/02        | Fri 05/31/02        | 15           |
| 17 | Select Consultant(s) (CALFED)   | 25 days         | Mon 06/03/02        | Fri 07/05/02        | 16           |
| 18 | Apply for Funds (CALFED)  | 25 days         | Mon 06/03/02        | Fri 07/05/02        | 16           |
| 19 | Award Contracts(CALFED)   | 20 days         | Mon 07/08/02        | Fri 08/02/02        | 18           |
| 20 | <b>Develop Conceptual Model</b>   | <b>55 days</b>  | <b>Mon 10/15/01</b> | <b>Fri 12/28/01</b> |              |
| 21 | Develop Conceptual Model (Fred Lee)                                     | 15 days         | Mon 10/15/01        | Fri 11/02/01        |              |
| 22 | Peer Review of Conceptual Model   | 20 days         | Mon 11/05/01        | Fri 11/30/01        | 21           |
| 23 | Finalize Conceptual Model (Fred Lee)                                    | 20 days         | Mon 12/03/01        | Fri 12/28/01        | 22           |
| 24 | <b>2001 Data Synthesis</b>  | <b>193 days</b> | <b>Mon 10/15/01</b> | <b>Wed 07/10/02</b> |              |
| 25 | 2001 Data (through Sept) Available for Input into Database/Models (PIs) | 1 day           | Mon 12/03/01        | Mon 12/03/01        |              |

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|----|--|-----------------|---------------------|---------------------|--------------|
| 26 | Submit all remaining 2001 data (PI's)                                    | 1 day           | Thu 01/31/02        | Thu 01/31/02        |              |
| 27 | Assimilate Existing Data (DWR - IEP database)                            | 160 days        | Mon 10/15/01        | Fri 05/24/02        |              |
| 28 | Submit final draft 2001 Project Reports (PI's)                           | 75 days         | Mon 12/31/01        | Fri 04/12/02        |              |
| 29 | 1st Draft Synthesis Report - 2001 Studies & Data Gaps (Fred Lee)         | 13 days         | Mon 04/01/02        | Wed 04/17/02        |              |
| 30 | Internal Review of Synthesis Report                                      | 5 days          | Thu 04/18/02        | Wed 04/24/02        | 29           |
| 31 | 2nd Draft Synthesis Report - 2001 Studies & Data Gaps (Fred Lee)         | 6 days          | Thu 04/25/02        | Thu 05/02/02        | 30           |
| 32 | Submit Documents to Reviewers (URS)                                      | 3 days          | Fri 05/03/02        | Tue 05/07/02        | 31           |
| 33 | Peer Review of 2000/2001 Studies (URS to organize w/CALFED)              | 24 days         | Wed 05/08/02        | Mon 06/10/02        | 32           |
| 34 | Peer Review Meeting (URS to organize w/CALFED)                           | 2 days          | Tue 06/11/02        | Wed 06/12/02        | 33           |
| 35 | Compile Peer Review Comments (URS)                                       | 10 days         | Thu 06/13/02        | Wed 06/26/02        | 34           |
| 36 | Submit Final Reports of 2001 Studies (PI's/ Fred Lee)                    | 10 days         | Thu 06/27/02        | Wed 07/10/02        | 35           |
| 37 | <b>Data Collection on Sources/Causes &amp; Potential Solutions</b>       | <b>237 days</b> | <b>Mon 04/22/02</b> | <b>Tue 03/18/03</b> |              |
| 38 | Prepare RFP for Directed Actions (Pilot Aeration/Monitoring) (SC/CALFED) | 10 days         | Mon 04/22/02        | Fri 05/03/02        |              |
| 39 | Directed Action Proposals Due (SC/CALFED)                                | 15 days         | Mon 05/06/02        | Fri 05/24/02        | 38           |
| 40 | Review Directed Action Proposals (SC/CALFED)                             | 20 days         | Mon 05/27/02        | Fri 06/21/02        | 39           |
| 41 | Select Data Gaps Proposals (CALFED)                                      | 1 day           | Mon 06/24/02        | Mon 06/24/02        | 40           |
| 42 | Funding Decision on Directed Actions (CALFED/Committees)                 | 1 day           | Tue 06/25/02        | Tue 06/25/02        | 41           |
| 43 | Award Contracts for Data Gaps Directed Actions (CALFED)                  | 40 days         | Wed 06/26/02        | Tue 08/20/02        | 42           |
| 44 | Implement Directed Actions   | 150 days        | Wed 08/21/02        | Tue 03/18/03        | 43           |
| 45 | <b>Technical TMDL Development</b>  | <b>348 days</b> | <b>Mon 10/15/01</b> | <b>Wed 02/12/03</b> |              |
| 46 | Draft Problem Statement (RWQCB)  | 70 days         | Mon 10/15/01        | Fri 01/18/02        |              |
| 47 | Target Analysis (RWQCB)  | 70 days         | Mon 10/15/01        | Fri 01/18/02        |              |
| 48 | Draft Source Assessment (RWQCB)  | 70 days         | Mon 10/15/01        | Fri 01/18/02        |              |
| 49 | Draft Linkage Analysis (RWQCB)   | 70 days         | Mon 10/15/01        | Fri 01/18/02        |              |
| 50 | TAC/SC/Stakeholder Review  | 45 days         | Mon 01/21/02        | Fri 03/22/02        | 49           |

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| ID | Task Name   | Duration        | Start               | Finish              | Predecessors |
|----|---|-----------------|---------------------|---------------------|--------------|
| 51 | Revisions to Analysis (RWQCB)   | 27 days         | Mon 03/25/02        | Tue 04/30/02        | 50           |
| 52 | Submit Documents to Reviewers (URS)                                       | 3 days          | Wed 05/01/02        | Fri 05/03/02        | 51           |
| 53 | Peer Review (URS to organize)   | 26 days         | Mon 05/06/02        | Mon 06/10/02        | 52           |
| 54 | Peer Review Meeting (URS to organize)                                     | 2 days          | Tue 06/11/02        | Wed 06/12/02        | 53           |
| 55 | Compile Peer Review Comments (URS)  | 10 days         | Thu 06/13/02        | Wed 06/26/02        | 54           |
| 56 | Revisions to Analysis (RWQCB)   | 15 days         | Thu 06/27/02        | Wed 07/17/02        | 55           |
| 57 | Verify Source/Linkage Analysis with Hydroqual Model                       | 120 days        | Thu 07/18/02        | Wed 01/01/03        | 56           |
| 58 | Revisions to Analysis (RWQCB)   | 30 days         | Thu 01/02/03        | Wed 02/12/03        | 57           |
| 59 | <b>Alternatives Analysis</b>  | <b>560 days</b> | <b>Wed 11/14/01</b> | <b>Tue 01/06/04</b> |              |
| 60 | Identification of Alternative Solutions (Committees)                      | 40 days         | Wed 11/14/01        | Tue 01/08/02        |              |
| 61 | Public Scoping of Alternatives (TMDL Coordinator)                         | 20 days         | Mon 06/24/02        | Fri 07/19/02        |              |
| 62 | Develop Draft Alternatives Screening Process (Steering Committee)         | 20 days         | Mon 06/24/02        | Fri 07/19/02        |              |
| 63 | Coordinate Alternatives Workshop (TMDL Coordinator)                       | 50 days         | Mon 07/22/02        | Fri 09/27/02        | 62           |
| 64 | Workshop on Preliminary Alternatives/Screening Process (TMDL Coordinator) | 1 day           | Mon 09/30/02        | Mon 09/30/02        | 63           |
| 65 | Identify Additional Data Needs for Alternatives (IP Consultant)           | 20 days         | Tue 10/01/02        | Mon 10/28/02        | 64           |
| 66 | Develop RFPs for Alternatives Directed Actions (IP Consultant)            | 10 days         | Tue 10/29/02        | Mon 11/11/02        | 65           |
| 67 | Alternatives Directed Action Proposals due (IP Consultant to organize)    | 20 days         | Tue 11/12/02        | Mon 12/09/02        | 66           |
| 68 | Review Alternatives Proposals (CALFED, IP Consultant)                     | 30 days         | Tue 12/10/02        | Mon 01/20/03        | 67           |
| 69 | Meet with CALFED to Select Alternatives Proposals (CALFED, IP Consultant) | 1 day           | Tue 01/21/03        | Tue 01/21/03        | 68           |
| 70 | Funding Decision on Alternatives Directed Actions (CALFED/Committees)     | 10 days         | Wed 01/22/03        | Tue 02/04/03        | 69           |
| 71 | Award Contracts for Alternatives Directed Actions (CALFED)                | 40 days         | Wed 02/05/03        | Tue 04/01/03        | 70           |
| 72 | Collect Additional Data on Alternatives (Implement Directed Actions)      | 200 days        | Wed 04/02/03        | Tue 01/06/04        | 71           |
| 73 | <b>Implementation Plan Report</b>   | <b>165 days</b> | <b>Mon 05/06/02</b> | <b>Fri 12/20/02</b> |              |
| 74 | Engineering Analysis (IP Consultant)                                      | 20 days         | Mon 08/05/02        | Fri 08/30/02        | 47,48,53,19  |
| 75 | Economic Analysis (IP Consultant)   | 15 days         | Mon 09/02/02        | Fri 09/20/02        | 74           |

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|----|--|-----------------|---------------------|---------------------|--------------|
| 76 | Environmental Analysis (IP Consultant)                   | 15 days         | Mon 09/02/02        | Fri 09/20/02        | 74           |
| 77 | Responsibility Allocation (Steering Committee)           | 100 days        | Mon 05/06/02        | Fri 09/20/02        |              |
| 78 | Draft Implementation Plan Report (IP Consultant)         | 15 days         | Mon 09/23/02        | Fri 10/11/02        | 77,76        |
| 79 | Committee Review   | 10 days         | Mon 10/14/02        | Fri 10/25/02        | 78           |
| 80 | Revise Implementation Plan Report (IP Consultant)        | 15 days         | Mon 10/28/02        | Fri 11/15/02        | 79           |
| 81 | <i>Stakeholder Review</i>                                | 10 days         | Mon 11/18/02        | Fri 11/29/02        | 80           |
| 82 | Implementation Plan Report to RWQCB (IP Consultant)      | 15 days         | Mon 12/02/02        | Fri 12/20/02        | 81           |
| 83 | <b>Technical TMDL Report</b>                             | <b>90 days</b>  | <b>Thu 02/13/03</b> | <b>Wed 06/18/03</b> | <b>82</b>    |
| 84 | Draft Technical TMDL Report (RWQCB)                      | 40 days         | Thu 02/13/03        | Wed 04/09/03        | 82,58        |
| 85 | Stakeholder Review                                       | 20 days         | Thu 04/10/03        | Wed 05/07/03        | 84           |
| 86 | Technical TMDL Report/Implementation Plan to EPA (RWQCB) | 30 days         | Thu 05/08/03        | Wed 06/18/03        | 85           |
| 87 | <b>Implementation Plan</b>                               | <b>250 days</b> | <b>Wed 01/07/04</b> | <b>Tue 12/21/04</b> |              |
| 88 | Review Data from Alternatives Studies                    | 40 days         | Wed 01/07/04        | Tue 03/02/04        | 72           |
| 89 | In-depth Analysis of Alternatives                        | 80 days         | Wed 03/03/04        | Tue 06/22/04        | 88           |
| 90 | Draft Implementation Plan                                | 60 days         | Wed 06/23/04        | Tue 09/14/04        | 89           |
| 91 | Review   | 30 days         | Wed 09/15/04        | Tue 10/26/04        | 90           |
| 92 | Implementation Plan to RWQCB                             | 40 days         | Wed 10/27/04        | Tue 12/21/04        | 91           |
| 93 | <b>CEQA/NEPA Functional Equivalent Document</b>          | <b>263 days</b> | <b>Thu 06/19/03</b> | <b>Mon 06/21/04</b> |              |
| 94 | Document Preparation/Review                              | 263 days        | Thu 06/19/03        | Mon 06/21/04        | 83           |
| 95 | <b>Basin Plan Amendment</b>                              | <b>210 days</b> | <b>Tue 06/22/04</b> | <b>Mon 04/11/05</b> |              |
| 96 | RWQCB Approval   | 60 days         | Tue 06/22/04        | Mon 09/13/04        | 94           |
| 97 | SWRCB Approval   | 90 days         | Tue 09/14/04        | Mon 01/17/05        | 96           |
| 98 | OAL Approval   | 60 days         | Tue 01/18/05        | Mon 04/11/05        | 97           |