



NORTH COAST INTEGRATED REGIONAL WATER MANAGEMENT PLAN

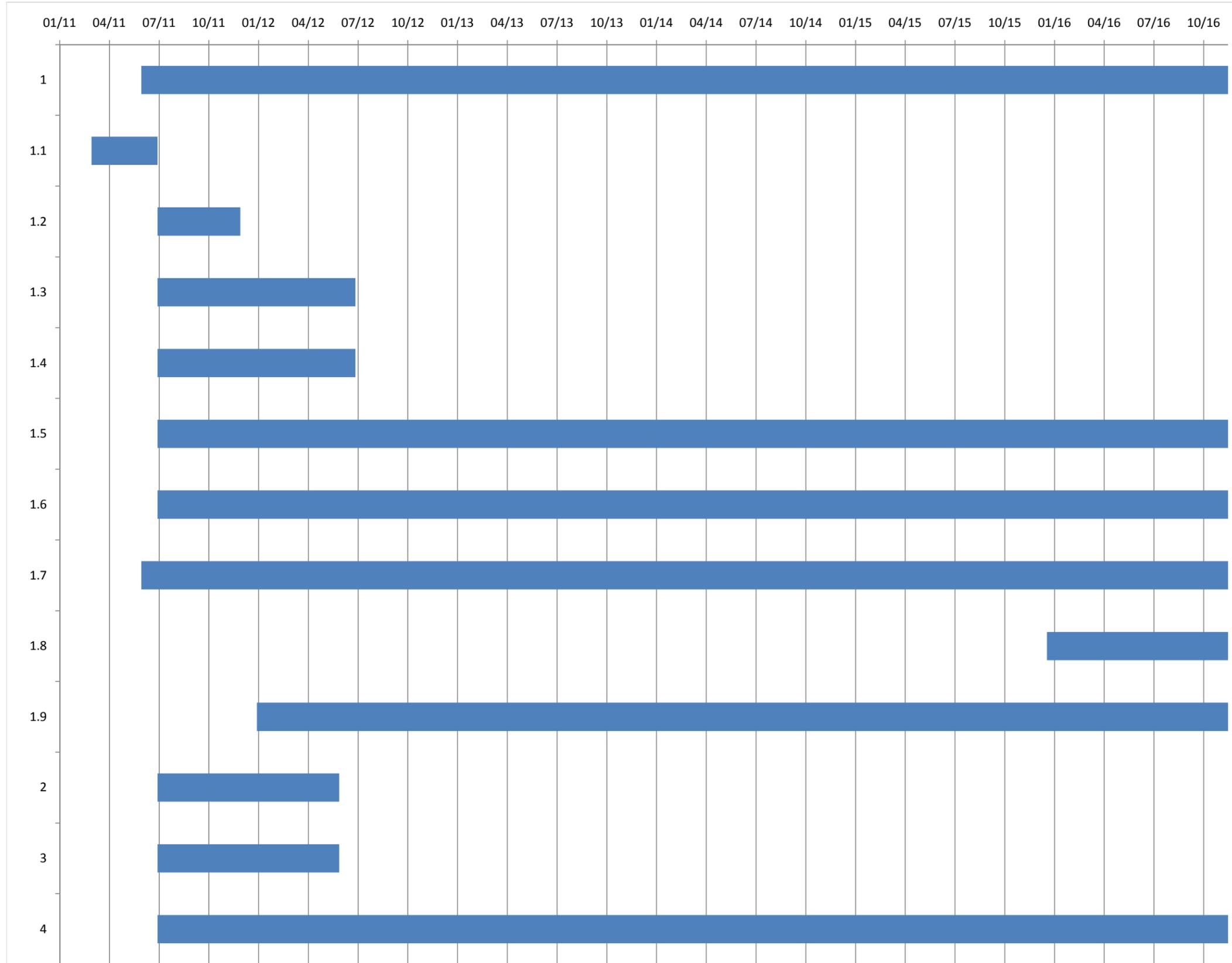
PROPOSITION 84 IMPLEMENTATION GRANT PROPOSAL,
ROUND 1

ATTACHMENT 5:
SCHEDULE

Integrated Regional Water Management Program
Applicant: Humboldt County

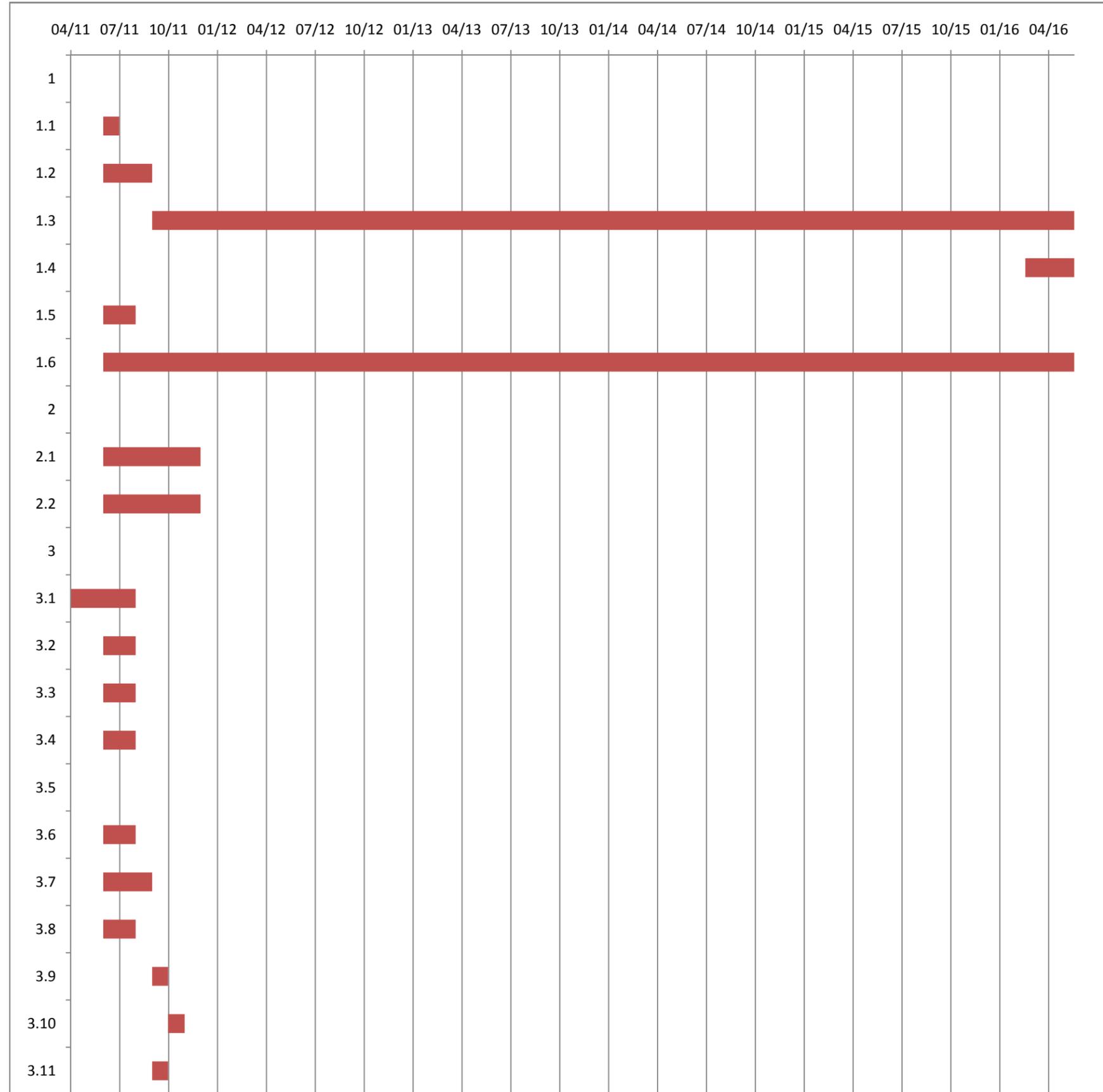


North Coast Integrated Regional Water Management Plan Proposition 84, Round 1 Implementation Grant Regional Administration, County of Humboldt



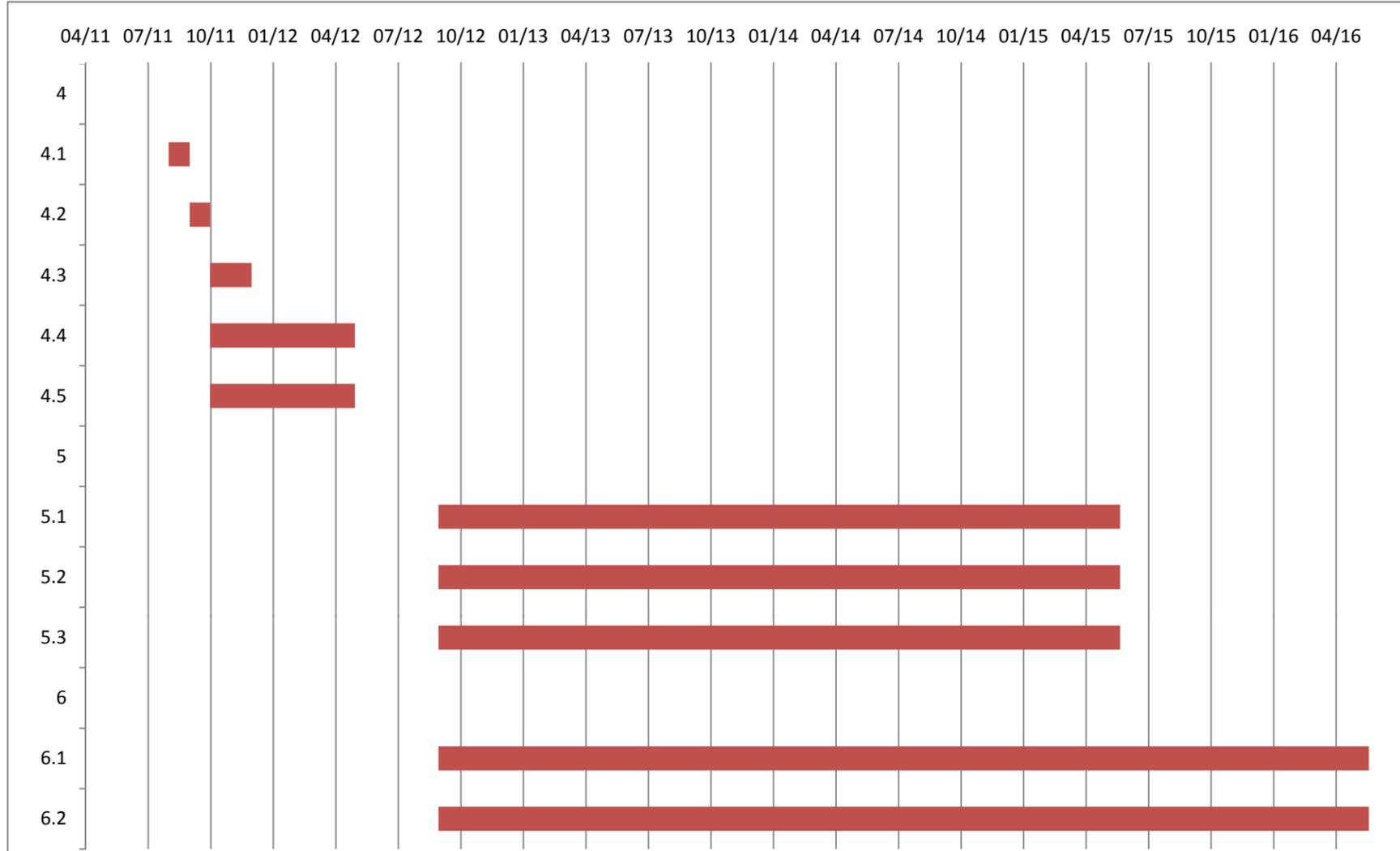
Task #	Work Task Title	Milestone Deliverables	Task Pre-decessor
1	Project Management		
1.1	Contract Development	Final Contract Agreement	
1.2	NCIRWMP Plan Performance Measures and Project Performance Plan Development	Schedule for NCIRWMP Implementation Project Performance documentation delivery to DWR	
1.3	CEQA / NEPA Compliance Documentation Coordination	Schedule for NCIRWMP Implementation Project CEQA/NEPA compliance documentation delivery	
1.4	Permit Documentation Coordination	Schedule for NCIRWMP Prop 84, R1 Implementation Project Permit documentation delivery to DWR	
1.5	Regional Monthly Reports	Regional Monthly Reports	1.6
1.6	NCIRWMP Prop 84, R1 Implementation Project Monthly Report Submittal Coordination	Project Manager Monthly Reports	1.7
1.7	NCIRWMP Prop 84, R1 Implementation Regional and Project Invoice Management	NCIRWMP Prop 84, R1 Implementation Regional and Project Invoices	1.5
1.8	NCIRWMP Prop 84, R1 Implementation Grant Regional Final Report	Final NCIRWMP Prop 84, R1 Implementation Grant Regional Report	1.5
1.9	NCIRWMP Prop 84, R1 Implementation Project Final Report Submittal Coordination	NCIRWMP Prop 84, R1 Implementation Project Final Reports	1.6
2	NCIRWMP Prop 84, R1 Implementation Project Feasibility Studies Deliverable Coordination	Completed Supplemental Feasibility Studies for specific NCIRWMP Implementation projects	
3	NCIRWMP Prop 84, R1 Implementation Project Design Deliverables Coordination	Completed Final Project Design or Construction Specifications for NCIRWMP Implementation projects	
4	NCIRWMP Prop 84, R1 Implementation Project Implementation Deliverables Coordination	Schedule for NCIRWMP Implementation project implementation deliverable submittal	

402 - Ackerman Creek Habitat Restoration, Pinoleville Pomo Nation



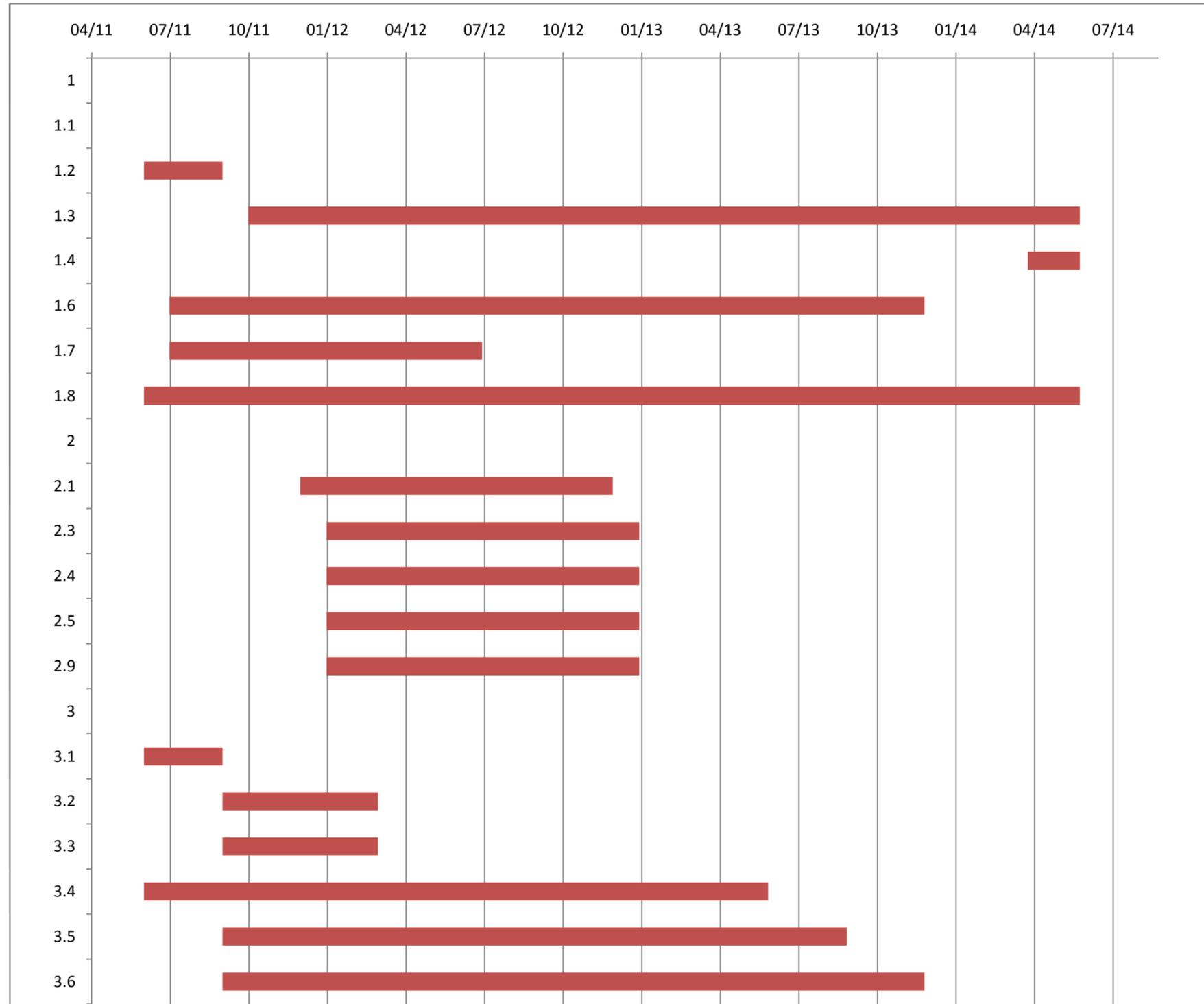
Task #	Work Task Title	Milestone Deliverables	Task Pre-decessor
1 Project Management			
1.1	Contract Management	Sub-Contract Agreement	
1.2	Project Performance Plan Development	Project Performance Plan	
1.3	Quarterly Reports	Quarterly reports	
1.4	Final Report	Final report	
1.5	Environmental Program and VR Program coordination	A list of youth involved	
1.6	Labor Compliance Monitoring	Agreement with Labor Compliance Monitoring company	
2 Environmental Documentation			
2.1	CEQA Development	Prepared CEQA Documentation if required	
2.2	NEPA Development	NRCS letter indicating the plan was developed under nation-wide restoration permit	
3 Planning/Design			
3.1	Assessment: Arundo control	Report on success rate of 8 month pilot Arundo control project	
3.2	Assessment: invasive plant location	Revised map of invasive plant locations	
3.3	Feasibility Study: Current Environmental Education	Report on current projects; Evaluations of existing projects, success, challenges	
3.4	Feasibility Study: Current Youth Projects	A review of current youth projects and environmental and cultural education projects	
3.5	Concept Design	Concept Design	
3.6	60% Design: Creek Restoration Design, Draft Eradication Plan	Creek Restoration Design: Draft Eradication Plan, reports on pilot eradication projects.	
3.7	60% Design: Creek Restoration Design, Draft Planting Plan	Creek Restoration Design: Draft Planting Plan, reports from current restoration projects	
3.8	60% Design: Creek Restoration Design, Youth Training Plan	Draft Youth Training Plan	
3.9	Final Design/ Plans: Restoration Design, Eradication Plan	Final plan for removing invasives	3.6
3.10	Final Design/ Plans: Restoration Design, Planting Plan	Final plan for planting native species	3.7
3.11	Final Design/ Plans: Restoration Design, Youth Training Plan	Final plan for youth training	3.8

402 - Ackerman Creek Habitat Restoration, Pinoleville Pomo Nation



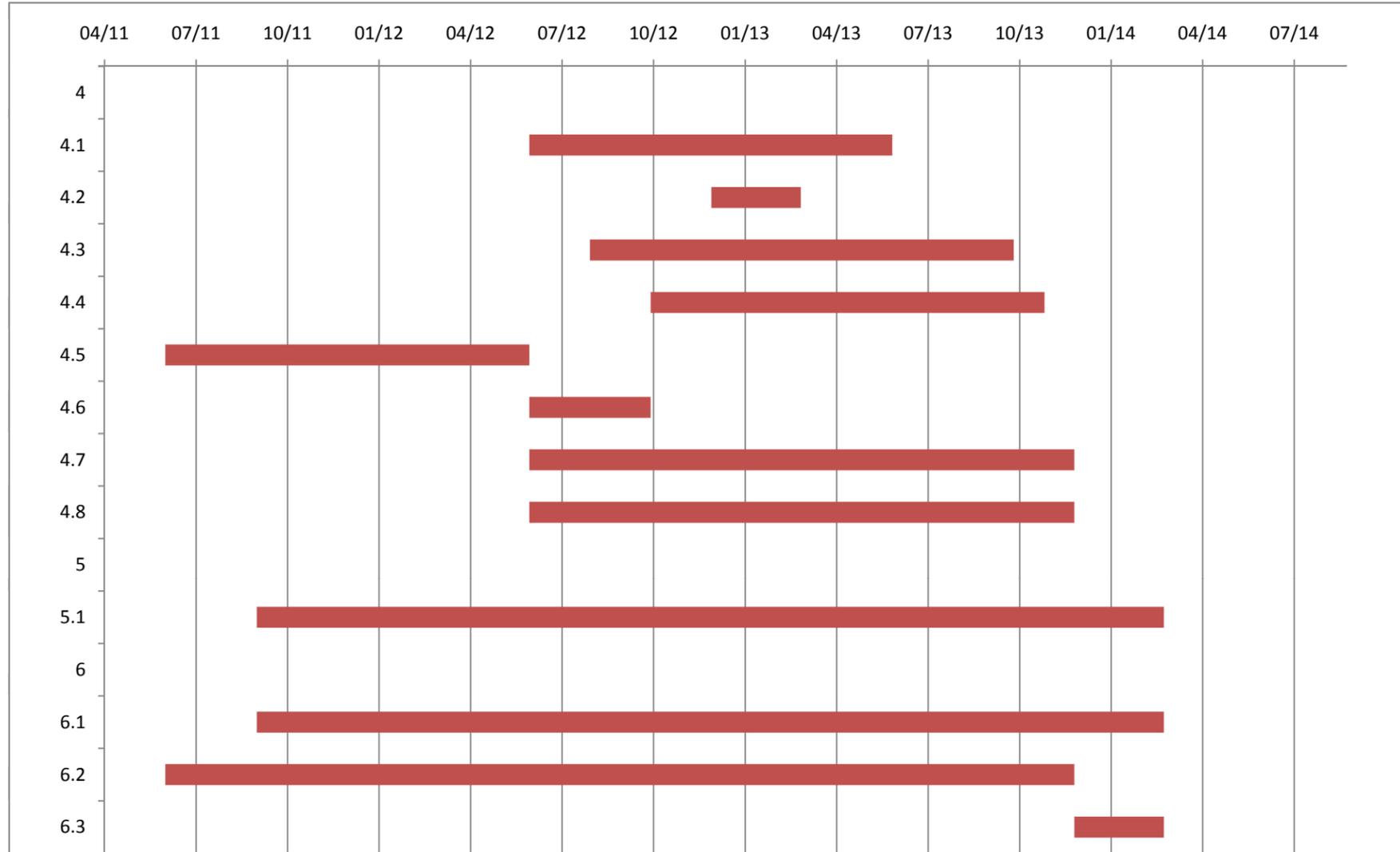
Task #	Work Task Title	Milestone Deliverables	Task Pre-decessor
4 Construction/ Implementation			
4.1	Construction administration	Laborer applications	
4.2	Construction contracting	Signed contracts	
4.3	Invasive removal	Measurements of material removed, areas cleared	3.9
4.4	Re-vegetation	Measurements of plants installed, areas covered	3.10
4.5	Youth training	Surveys of knowledge gained	3.11
5 Project Performance Assessment			
5.1	Invasive plant suppression	Semi-annual Invasive suppression reports	
5.2	Re-vegetation Assessment	Semi-annual Re-vegetation Assessment reports	
5.3	Youth Training impacts	Semi-annual Youth Training reports	
6 Site Repair			
6.1	Invasive plant suppression	Semi-annual reports	
6.2	Re-vegetation Site Repair	Semi-annual reports	

345 - Bodega Bay HU Water Resources Management Project, Gold Ridge Resource Conservation District



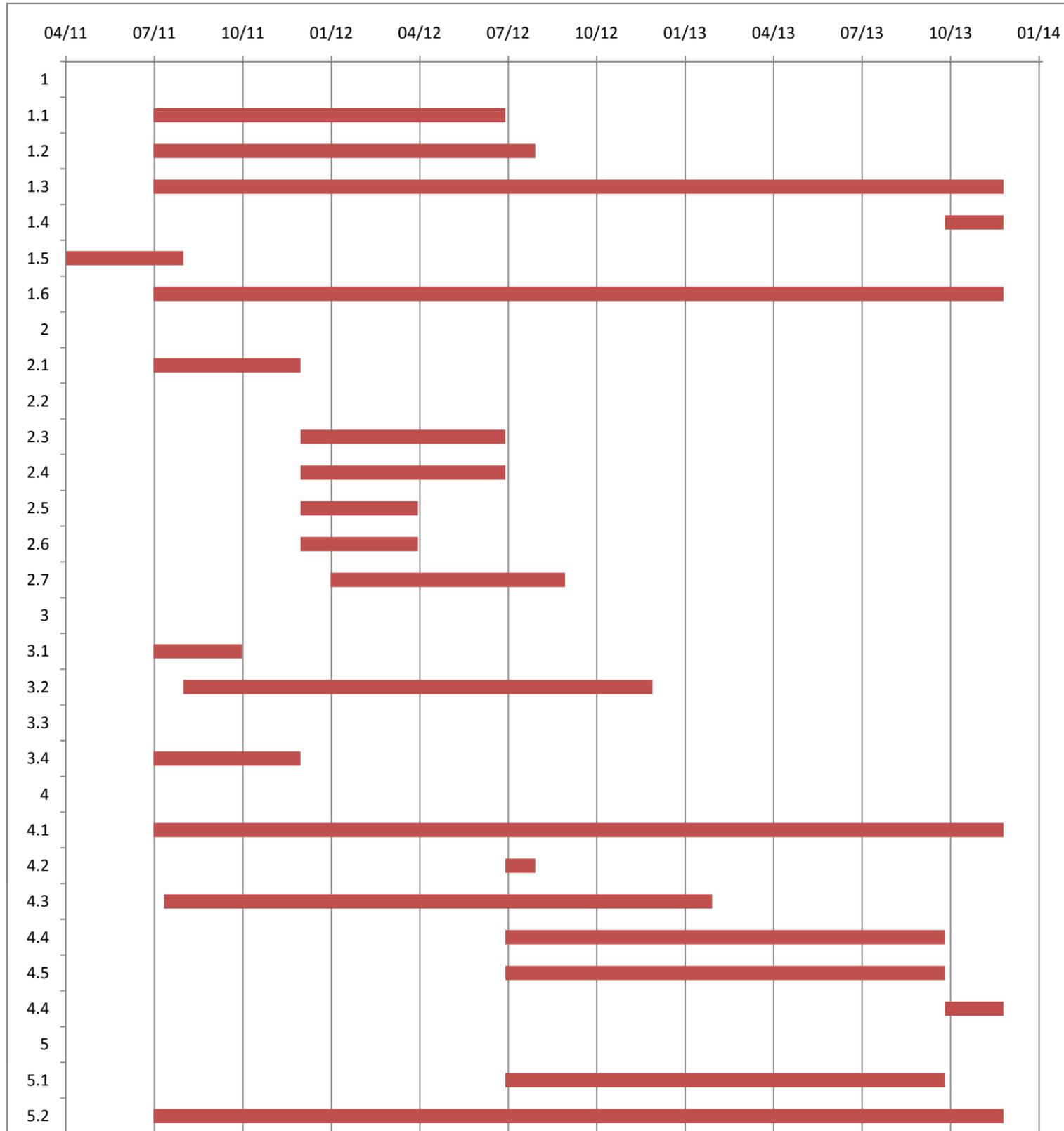
Task #	Work Task Title	Milestone Deliverables	Task Pre-decessor
1 Project Management			
1.1	Contract Management	Sub-Contract Agreement	
1.2	Project Performance Plan Development	Project Performance Plan	
1.3	Quarterly Reports	Quarterly Reports	1.1
1.4	Final Report	Final Report	4.5
1.6	Technical Advisory Committee	Agendas and minutes of TAC meetings	
1.7	Obtain landowner agreements	Signed landowner agreements	
1.8	Labor Compliance Monitoring	Agreement with Labor Compliance Monitoring company	
2 Environmental Documentation			
2.1	CEQA Development	NOE and/or MND	2.1
2.3	Permit Development: DFG 1600	DFG 1600 Agreement	1.2, 1.3, 3.4
2.4	Permit Development: 404	Clean Water Act Section 404 Permit	1.2, 1.3, 3.4
2.5	Permit Development: 401	RWQCB 401 Certification	1.2, 1.3
2.9	Permit Development: Other	County permits: Coastal Development Permit, if required.	1.2, 1.3
3 Planning/ Design			
3.1	Fine Sediment Final Design	Final Project Design and Construction Specifications	
3.2	Instream Habitat Enhancement Survey and Design	Stream Survey; Final LWD plans and maps Specifications	
3.3	Riparian Restoration Final Design	Final planting and fencing plans & maps	
3.4	Bodega Water Company Storage Tank	Final LWD plans and maps Specifications	
3.5	Water Company Infrastructure Upgrades	Map of leaks; Project designs; Water meters installed	
3.6	Agricultural and Rural Residential Rainwater Catchment Tank Design	Project criteria; list of project participants; project designs; landowner agreements	

345 - Bodega Bay HU Water Resources Management Project, Gold Ridge Resource Conservation District



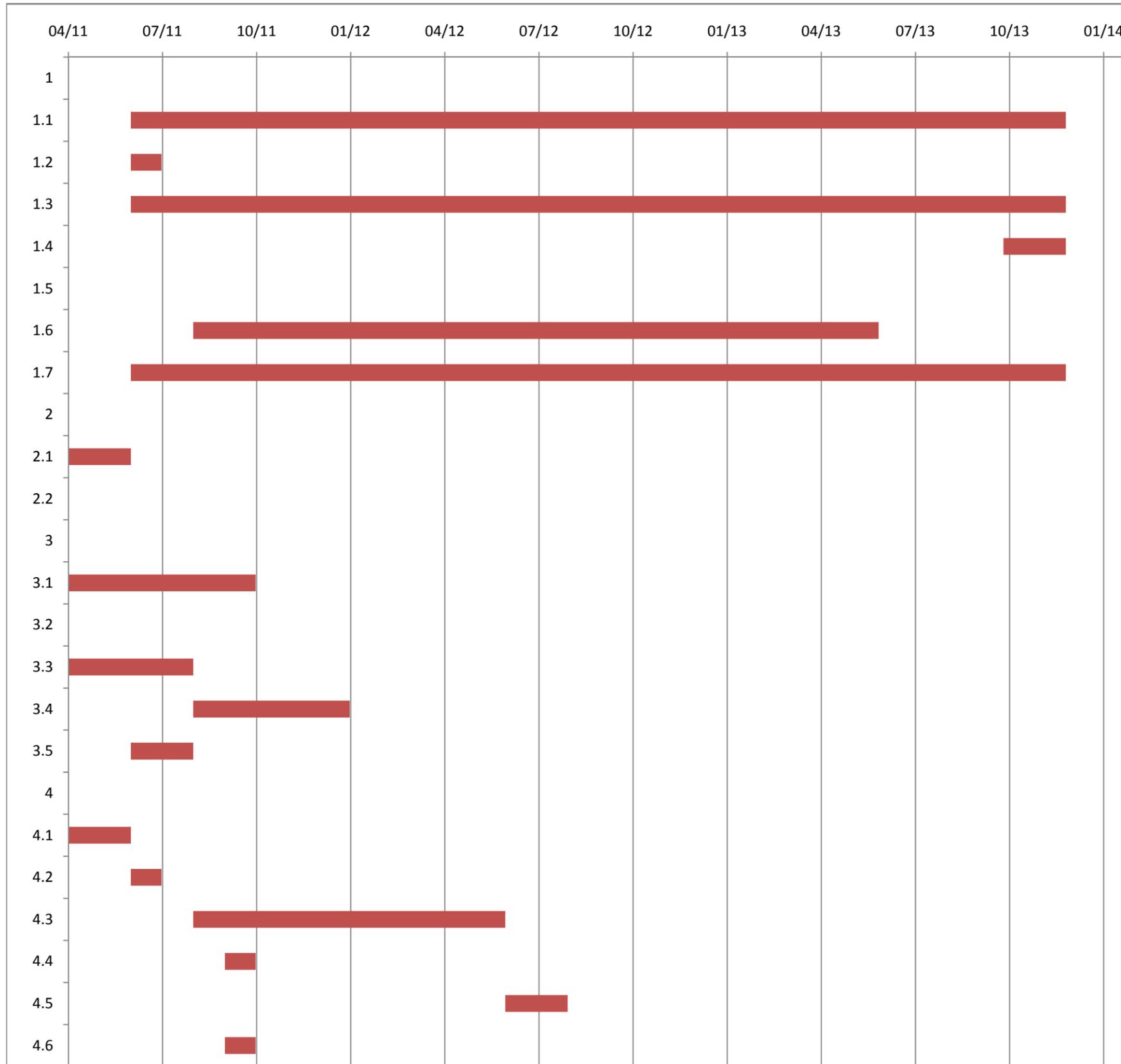
Task #	Work Task Title	Milestone Deliverables	Task Pre-decessor
4 Construction/ Implementation			
4.1	Construction contracting: Advertise and Contract Bidding	Selection of Contractor	3.1, 3.2, 3.3, 3.4,
4.2	Construction contracting: Award	Contract Award	4.1
4.3	Instream Habitat Enhancement	LWD structures installed	3.2
4.4	Riparian Restoration	Revegetation Inspection	3.3
4.5	Water Company Infrastructure Upgrades	Infrastructure Upgrades Complete	3.4
4.6	Bodega Water Company Water Supply Tank	Construction complete	3.5
4.7	Agricultural and Rural Residential Rainwater Catchment Tanks	Construction complete	3.6
4.8	General Construction Inspection and Management	Inspection Reports, Contractor Log, Submittals	4.4
5 Outreach and Education			
5.1	Outreach and Education	Workshop Evaluations; School materials	
6 Project Performance Assessment			
6.1	Photo Monitoring	Project photo documentation	4.2
6.2	Stream flow gauge	Stream flow data collection	4.4
6.3	Post Project Performance	Construction inspection and project closeout report	4.2

292 - Lower Russian River Water Quality Improvement Project, Sotoyome Resource Conservation District



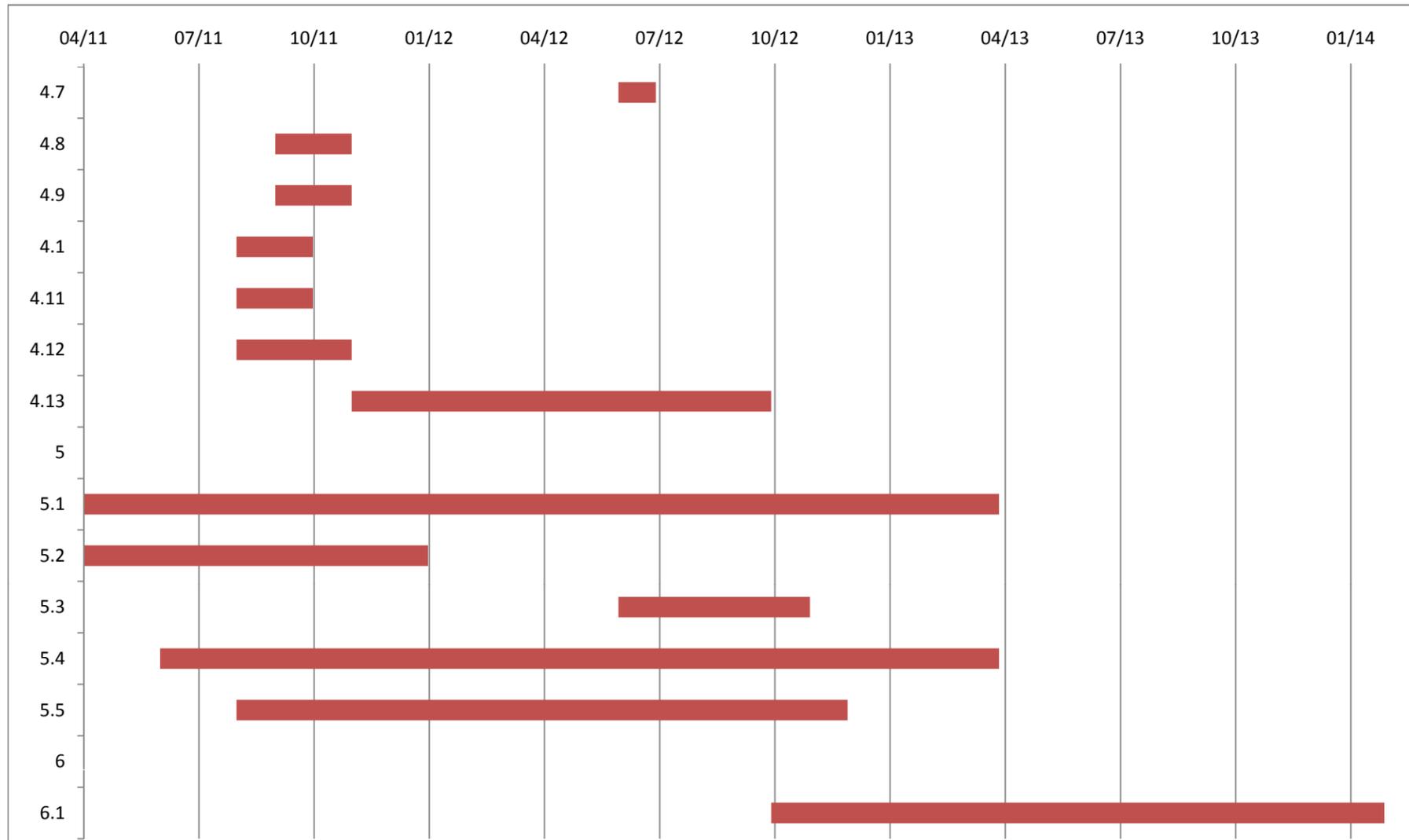
Task #	Work Task Title	Milestone Deliverables	Task Pre-decessor
1 Project Management			
1.1	Contract Management	Subcontract Agreement	4.1
1.2	Project Performance Plan Development	Project Performance Plan	4.1
1.3	Monthly Reports	Monthly reports	1.1
1.4	Final Report	Final report	4.5
1.5	Obtain landowner agreements	Signed landowner agreements	
1.6	Labor Compliance Monitoring	Agreement with Labor Compliance company	
2 Environmental Documentation			
2.1	CEQA Development	Notice of decision; Completed NOE or MND	
2.2	NEPA Development		
2.3	Permit Development: DFG 1600	DFG 1600 Agreement	1.2, 3.4
2.4	Permit Development: 404	Clean Water Act Section 404 Permit	1.2, 3.4
2.5	Permit Development: 401	Obtain a RWQCB 401 Permit	1.2, 1.3
2.6	Permit Development: grading	Grading permit exemption letter	3.3
2.7	Permit Development:pollution prevention	Onsite Septic System Permit- County of Sonoma	4.1
3 Planning/Design			
3.1	Review PWA Austin Creek Sediment Source Assessment	2010 Austin Creek Sediment Source Assessment	
3.2	Septic Evaluation	Failing Septic System Map	2.1
3.3	Preliminary Design	Preliminary Design and specifications	3.1
3.4	Final Design/ Plans	Final design plans and specifications	3.3
4 Construction/ Implementation			
4.1	Construction contracting: Award	Contract Award	
4.2	Mobilization and site preparation	Heavy equipment and materials arrive on site	4.1
4.3	Safe Septic Demonstration	Replacement of failing septic system	4.2
4.4	Construction	Construction complete	4.1, 4.2
4.5	Construction Inspection and Management	Inspection Reports,Contractor Log, Submittals	4.4
4.4	Construction Project Close Out & Demobilization	County Notice of Completion	4.5
5 Project Performance Assessment			
5.1	Photo Documentation	Project photo documentation	4.1, 4.2
5.2	Water Quality Monitoring	A description of method, results and analysis	4.1

364 - Mendocino Jumpstart Integrated Water Plan, Mendocino County Water Agency/Planning Department



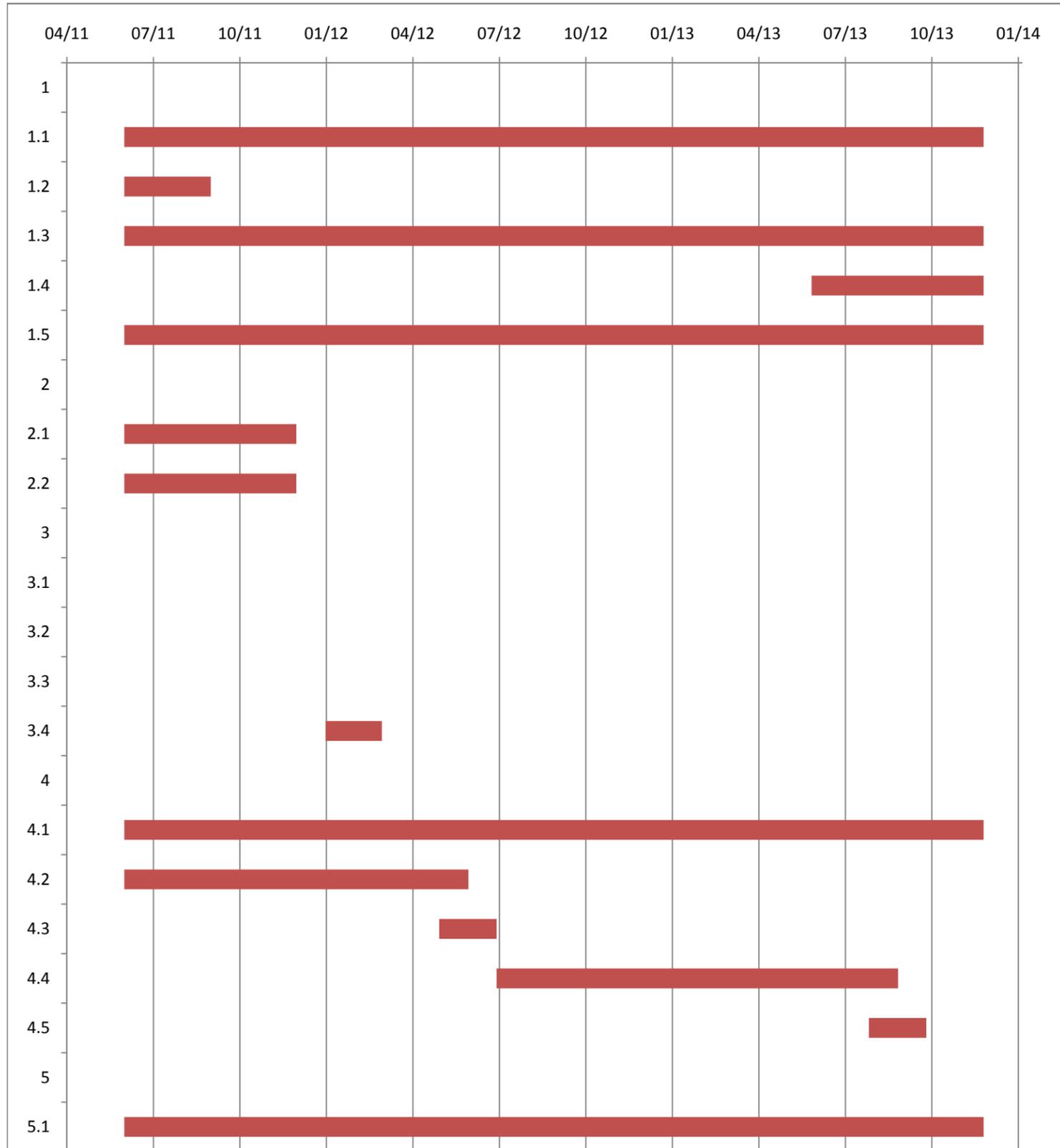
Task #	Work Task Title	Milestone Deliverables	Task Pre-decessor
1	Project Management		
1.1	Contract Management	Signed MOUs; County Board of Supervisors contract approval	
1.2	Project Performance Plan Development	Project Performance Plan	
1.3	Quarterly Reports	Quarterly reports	1.1
1.4	Final Report	Final Report	1.3
1.5	Land purchase/easement		
1.6	Education	Education of approximately 160 students; class lists	1.1
1.7	Labor Compliance Monitoring	Agreement with Labor Compliance Monitoring company	
2	Environmental Documentation		
2.1	CEQA Development	CEQA document	
2.2	Permit Development: DFG 1600	F&G site review	2.1
3	Planning/Design		
3.1	Assessment Studies	Completed Assessment	1.1
3.2	Concept Design (40%)	Plan view designs	
3.3	Detailed Design (60%)	Aerial photograph with treatment layers	3.1
3.4	Construction Design (90%)	Opinion of probable cost; 90% Plans and Specifications	3.2, 3.3
3.5	Final Design/ Plans	Final project design and construction specifications	3.2
4	Construction/ Implementation		
4.1	Construction administration	College and County MOA	1.1
4.2	Construction contracting: Bid Process	Selection of Contractor(s)	4.1
4.3	Construction Contracting: Award	Contract(s) Awarded	4.2
4.4	Mobilization & site preparation: County campus	Construction Initiated	4.3
4.5	Mobilization & site preparation: College campus	Construction Initiated	4.3
4.6	Project Construction: County campus parking lot retrofit	Construction complete	

364 - Mendocino Jumpstart Integrated Water Plan, Mendocino County Water Agency/Planning Department



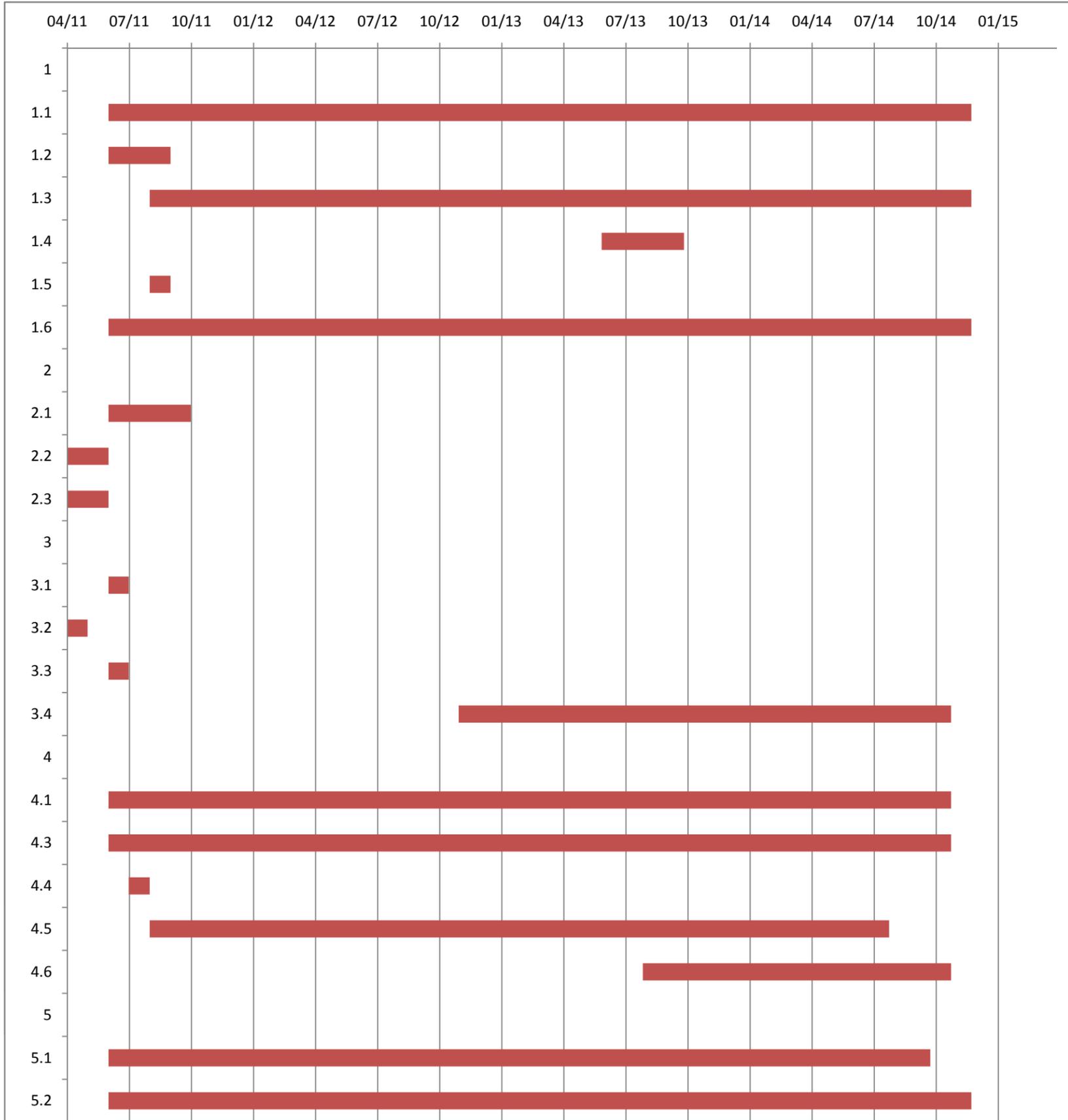
Task #	Work Task Title	Milestone Deliverables	Task Pre-decessor
4.7	Project Construction: College sports fields irrigation recycling	Construction complete	
4.8	Project Construction: County Agriculture Building rainwater	Construction complete	
4.9	Project Construction: County Roundabout turf to xeric conversion	Construction complete	
4.1	Project Construction: College vernal pool construction (College course)	Construction complete	
4.11	Project Construction: College bioswale/wetland construction	Construction complete	
4.12	Project Construction: College rainwater catchment and xeric	Construction complete	
4.13	Demobilization	County Notice of Completion	
5 Project Performance			
5.1	Photo Monitoring	Project photo documentation	1.1
5.2	Turbidity Monitoring	Results included in final report	4.5
5.3	Water Quality Monitoring	Results included in final report	4.5
5.4	Vegetative Monitoring	Results included in final report	4.5
5.5	Public/student Opinion Surveys	Results included in final report	4.5
6 Maintenance			
6.1	Operations and Maintenance (not funded with IRWMP funding)	Maintenance completed	4.5

374 & 376 - Nissa-kah Creek Fish Passage Removal, Hopland Band of Pomo Indians



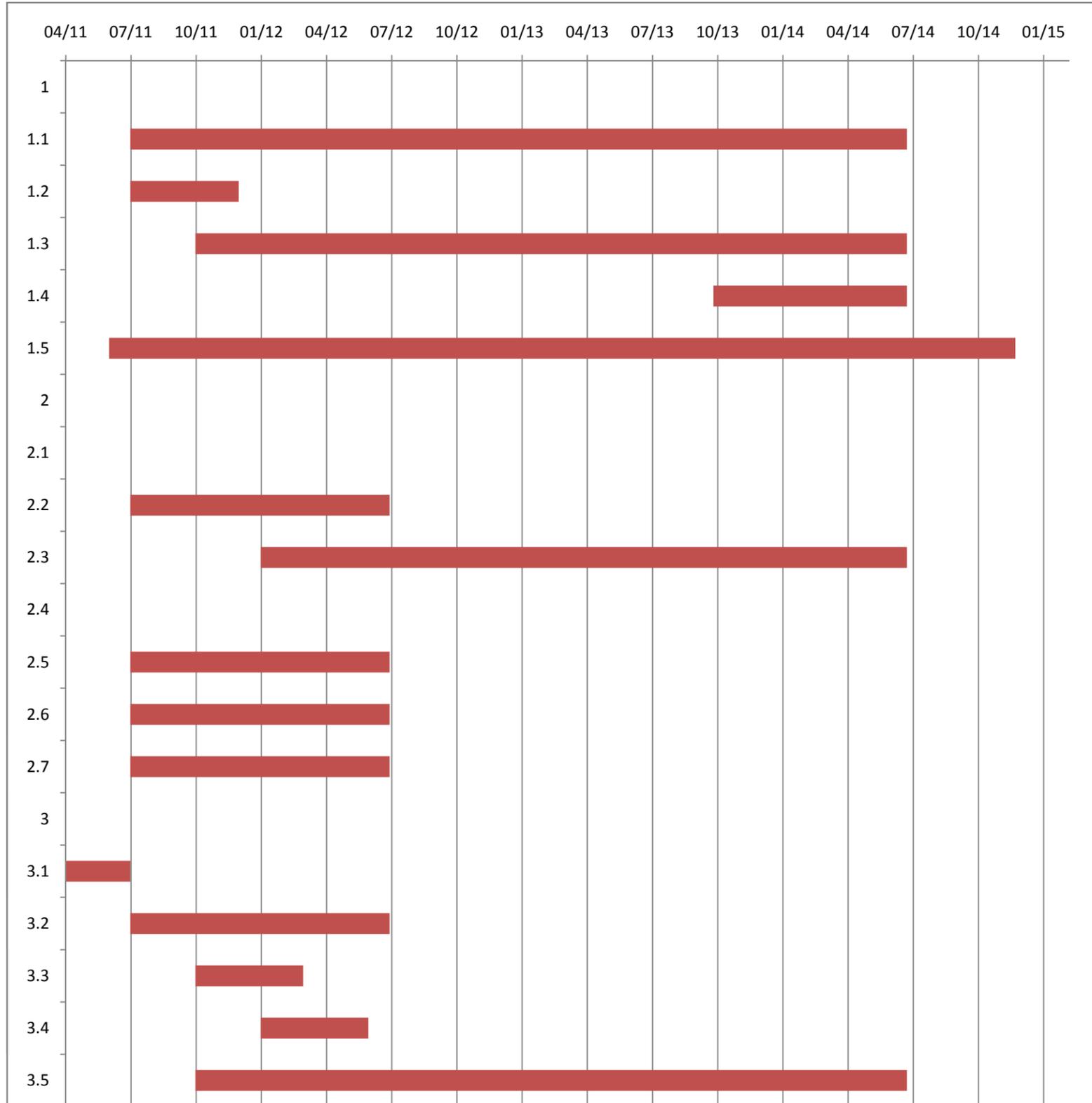
Task #	Work Task Title	Milestone Deliverables	Task Pre-decessor
1 Project Management			
1.1	Contract Management	Contracts signed for: Permitting and Environmental Review; Final Engineering Design; Bidding Assistance; Construction Management.	
1.2	Project Performance Plan Development	Project Performance Plan	
1.3	Quarterly Reports	Quarterly reports	
1.4	Final Report	Final report	1.3
1.5	Labor Compliance Monitoring	Agreement with Labor Compliance Monitoring company	
2 Environmental Documentation			
2.1	CEQA Development	CEQA documentation	
2.2	Permit Development	Hopland Band of Pomo Indians Development Permit; Lake/Streambed Alteration agreement; 401 Permit; Mendocino Co. & CALTRANS Encroachment Permits	
3 Planning/Design			
3.1	Assessment and Feasibility Studies	Assessment and Feasibility Studies (completed)	
3.2	Concept Design	Concept Design (completed)	
3.3	60% Design	60% Design (completed)	
3.4	Final Design/ Plans	Final Project Design and Construction Specifications	3.3
4 Construction/Implementation			
4.1	Construction administration	Inspection Reports, Meeting Minutes, Contractor Log, Submittals	
4.2	Construction contracting	Contract Award	
4.3	Mobilization and site preparation	Site prepared, 'Before' photo documentation	
4.4	Project Construction	Construction complete	
4.5	Demobilization	As-Built and Record Drawings	4.4
5 Project Performance Assessment			
5.1	Photo Documentation	Project photo documentation	

393 - Russian River *Arundo donax* Removal and Riparian Enhancement Program, Sotoyome Resource Conservation District



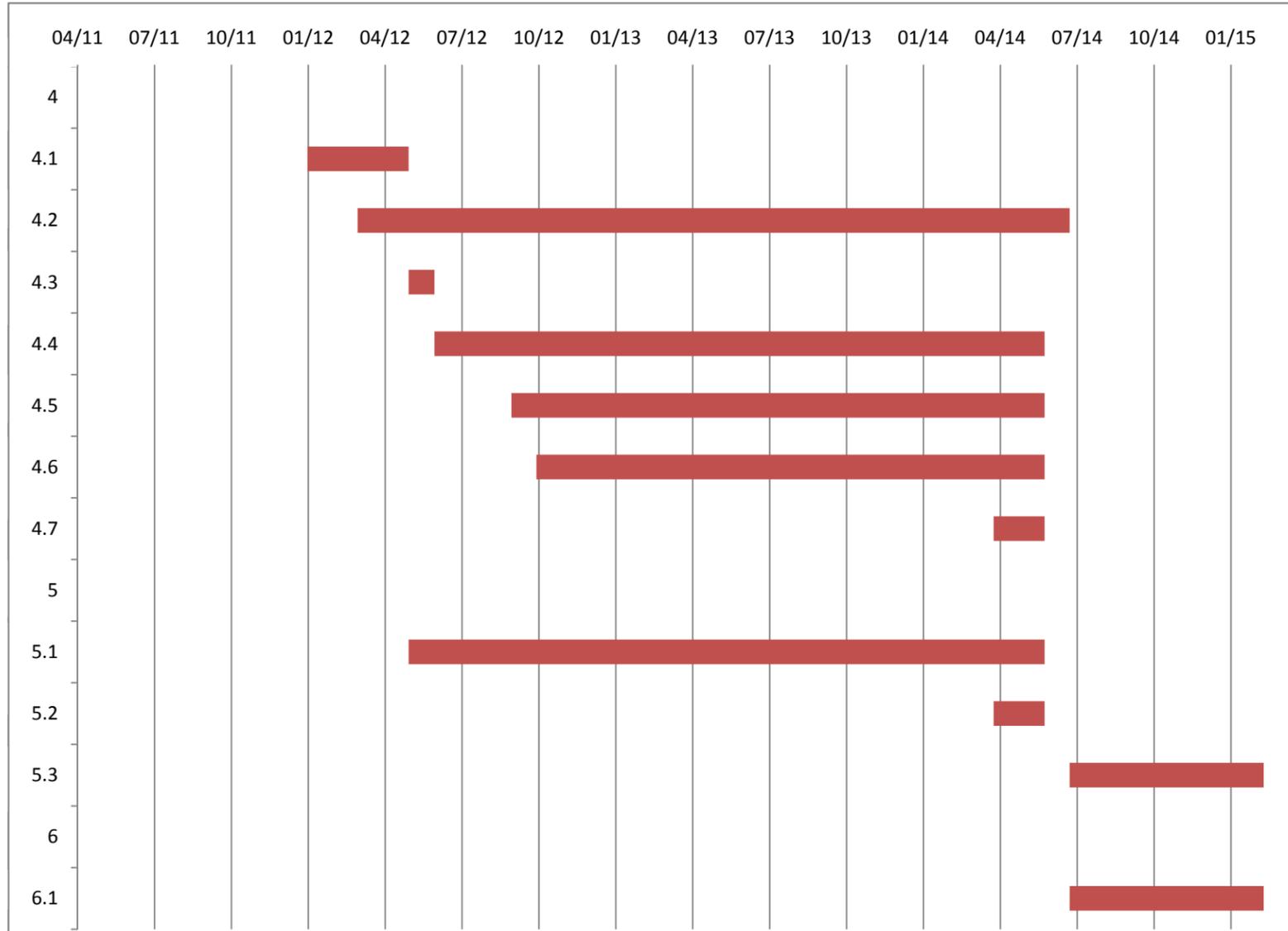
Task #	Work Task Title	Milestone Deliverables	Task Pre-decessor
1 Project Management			
1.1	Contract Management	Invoices or financial reports; Progress reports	
1.2	Project Performance Plan Development	Project Performance Plan	
1.3	Monthly/Quarterly Reports	Monthly reports	1.1 and 1.2.
1.4	Final Report	Final Report	
1.5	Land purchase/easement	Signed and updated Land Access Agreements	
1.6	Labor Compliance Monitoring	Agreement with Labor Compliance Monitoring company	
2 Environmental Documentation			
2.1	CEQA Development	CEQA compliance sheets as described in the Arundo donax Mitigated Negative Declaration	
2.2	Permit Development	Completion of the Mitigated Negative Declaration	
2.3	Permit Development	DFG 1600 permits; 401 Water Quality Permits	
3 Planning/Design			
3.1	Assessment and Feasibility Studies	Updated maps of priority Arunodo Removal areas	
3.2	60% Design	60% Design (complete)	3.1
3.3	Final Design/ Plans	1 Final Design/ Plans: Arundo removal and treatment	3.1 and 3.2
3.4	Final Revegetation Plans	Final Revegetation Plans	3.4
4 Construction/ Implementation			
4.1	Construction administration/Contracting	Selections of contractor(s).	3.4 and 3.5
4.3	Mobilization and site preparation	Provide completed WEAP Forms	3.4, 3.5 and 4.1
4.4	Mechanical and Hand Removal	Reports and assessments	3.4, 3.5 and 4.1
4.5	Herbicide Application	Arundo reports and assessments	3.4, 3.5 and 4.1
4.6	Revegetation	Completed Revegetation plans	4.3, 4.4
5 Project Performance Assessment			
5.1	Project Performance Assessment	Photo documentation	4.3, 4.4 and 4.6
5.2	Site Repair	Final reports	4.3, 4.4 and 4.6

396 - The Copeland Creek Watershed Detention/Recharge, Habitat Restoration, and Steelhead Refugia Project, Sonoma County Water Agency



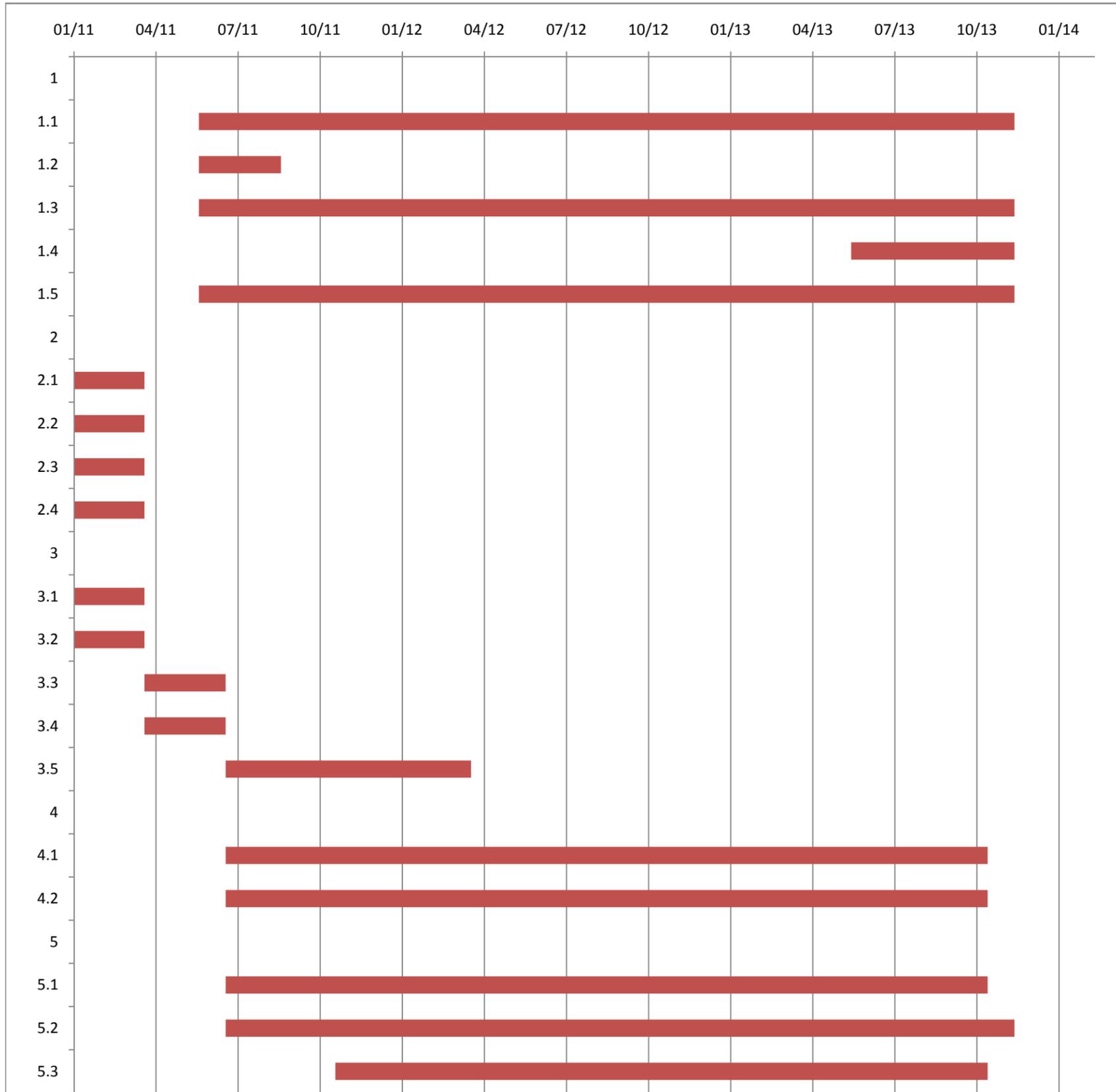
Task #	Work Task Title	Milestone Deliverables	Task Pre-decessor
1 Project Management			
1.1	Contract Management	Consulting Agreements; Contract documents	
1.2	Project Performance Plan Development	Project Performance Plan	
1.3	Quarterly Reports	Quarterly Reports	1.1
1.4	Final Report	Final Report	4.7
1.5	Labor Compliance Monitoring	Agreement with Labor Compliance Monitoring company	
2 Environmental Documentation			
2.1	CEQA Development – habitat enhancement and restoration	Final EIR; Notice of Determination	
2.2	CEQA Development – sediment removal	Final EIR; Notice of Determination	3.1
2.3	CEQA Development – Storm Water Detention Basins	CEQA Documentation	3.4
2.4	Permit Development: habitat enhancement and restoration	NCRWQCB 401 Permit; USACE 404 Permit; CDFG 1602; Agreement of Routine Maintenance Permit	
2.5	Permit Development: sediment removal - NCRWQCB 401 Water Quality /Waste Discharge	NCRWQCB Section 401 Water Quality Certification/Waste Discharge Permit	2.2; 3.1
2.6	Permit Development: sediment removal - USACE Clean Water Act (CWA) Section 404 Permit	U.S. Army Corps of Engineers (USACE) Clean Water Act (CWA) Section 404 Permit	2.2; 3.1
2.7	Permit Development: sediment removal - CDFG 1602 Agreement of Routine Maintenance	California Department of Fish and Game (CDFG) 1602; Agreement of Routine Maintenance (ARM)	2.2; 3.1
3 Planning/Design			
3.1	Design – Habitat Enhancement and Restoration (invasives removal and revegetation)	Habitat Enhancement and Restoration Plan	
3.2	Design – Sediment Basins	Sediment Basin Design	1.1 and 1.2
3.3	Land Surveying – storm water detention basins	Site Topographic Map	1.1 and 1.2
3.4	Geotechnical Evaluation – storm water detention basins	Geotechnical Evaluation of Detention Basins	1.1 and 1.2
3.5	Preliminary Design – storm water detention basins	Preliminary Design and specifications (30% Complete)	1.1 and 1.2

396 - The Copeland Creek Watershed Detention/Recharge, Habitat Restoration, and Steelhead Refugia Project, Sonoma County Water Agency



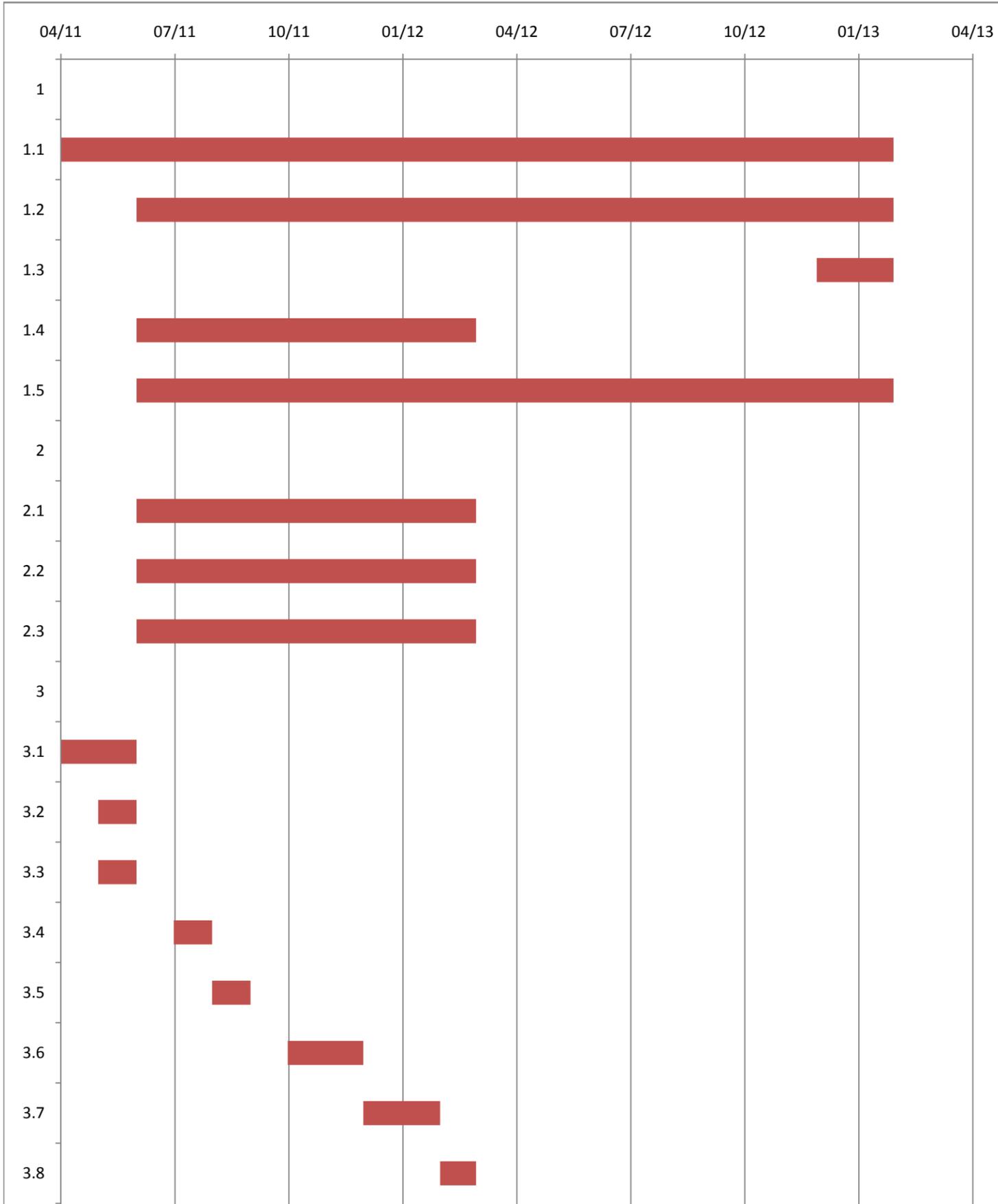
Task #	Work Task Title	Milestone Deliverables	Task Pre-decessor
4	Implementation – Habitat Enhancement and Restoration and Sediment Removal		
4.1	Contracting and Award	Contract awards.	2.6-2.8; 3.1
4.2	Contract administration	Inspection Reports, Contractor Log, Submittals	4.2
4.3	Mobilization and site preparation	Pre-implementation Meeting	4.1
4.4	Implementation – Invasive Species Removal	Invasive Species Removal Inspection	4.3
4.5	Implementation Sediment Removal	Sediment Removal Inspection	4.4
4.6	Implementation - Revegetation	Revegetation Inspection	4.5
4.7	Implementation Project Close Out & Demobilization	As-Built and Record Drawings; Completion Reports	4.6
5	Project Performance		
5.1	Photo Documentation	Project photo documentation	4.1
5.2	Revised Project Performance Plan	Revised Project Performance Plan	4.7
5.3	Post Project Performance Assessment	Completion Reports	4.7
6	Maintenance		
6.1	Operations and Maintenance (not IRWMP funded)	SMP and permits	4.7

289 - Camp Creek Habitat Protection-Road Decommissioning Implementation Project, Karuk Tribe



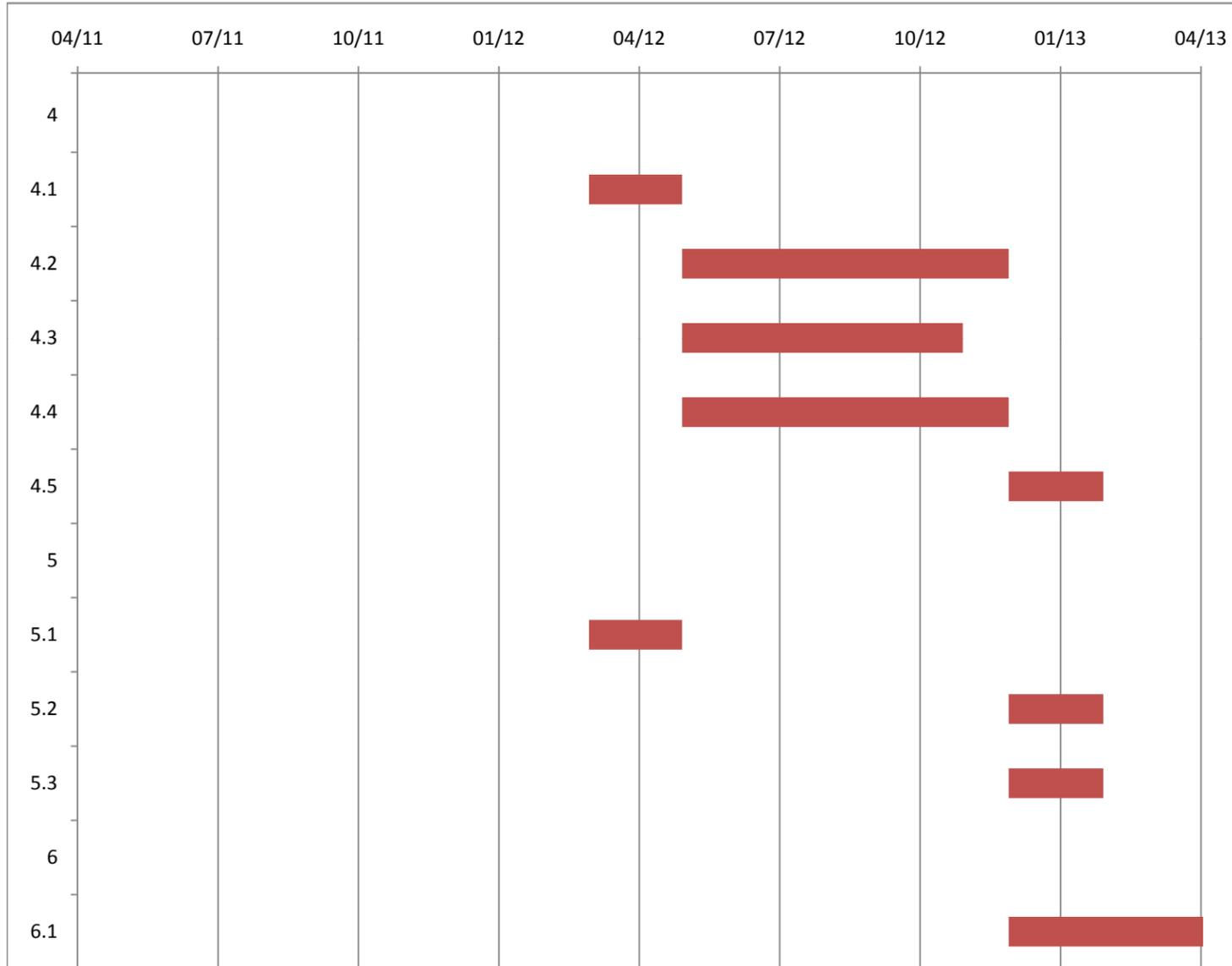
Task #	Work Task Title	Milestone Deliverables	Task Pre-decessor
1 Project Management			
1.1	Contract Management	Agreements; Contract documents	
1.2	Project Performance Plan Development	Project Performance Plan	
1.3	Quarterly Reports	Quarterly Reports	
1.4	Final Report	Final Report	1.4
1.5	Labor Compliance Monitoring	Agreement with Labor Compliance Monitoring company	
2 Environmental Documentation			
2.1	CEQA Development	CEQA Documentation	
2.2	NEPA Development	NEPA Documentation	
2.3	Permit Development: 401/404	Permit: 401/404	
2.4	Permit Development: 1601-1603	Permit: 1601-1603	
3 Planning/Design			
3.1	Assessment and Feasibility Studies	Assessment and Feasibility Studies	
3.2	Concept Design	Concept Design	
3.3	90% Design	Road/Stream Crossing Calculations; 90% Plans and Specifications	
3.4	Final Design/ Plans	Final Road Treatment Logs	3.3
3.5	Tribal/Federal Cooperative Agreement	Signed copy of Cooperative Agreement	
4 Construction/ Implementation			
4.1	Construction administration	Construction completed; Final Report	
4.2	Road Decommissioning	Implementation of road decommissioning design features	3.4
5 Project Performance			
5.1	Photo Documentation	Project photo documentation	4.2
5.2	Project Performance Assessment	Project Performance Assessment Report	4.2
5.3	Post Project Performance Assessment	Project Performance Assessment Report	4.2

311 - Indian Creek Sewer Pipeline Crossing, Happy Camp Sanitary District



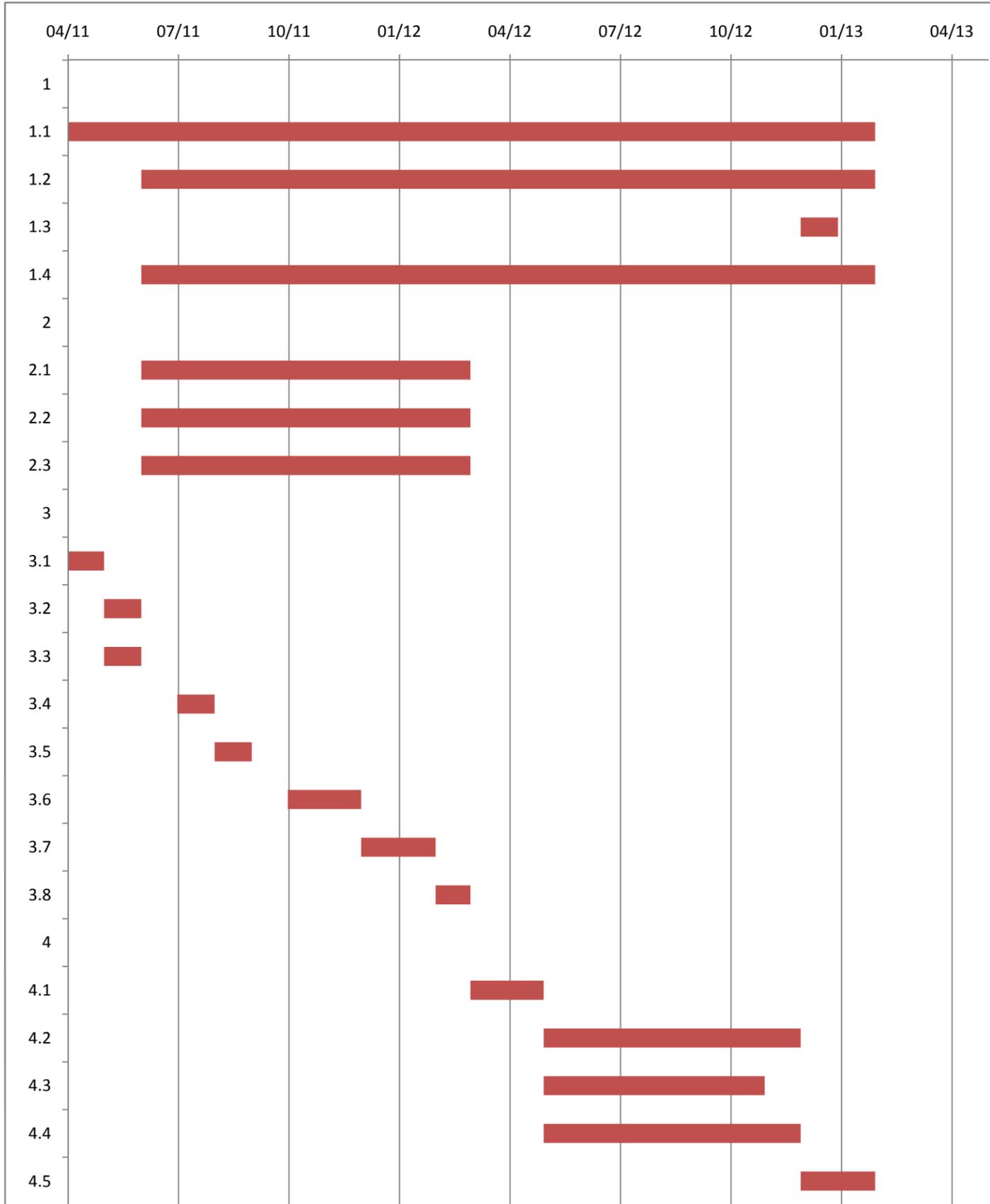
Task #	Work Task Title	Milestone Deliverables	Task Pre-decessor
1 Project Management			
1.1	Project Management	Agreements; Contracts; reports	
1.2	Quarterly Reports	Quarterly reports	
1.3	Final Report	Final Report	4.3
1.4	Land purchase/easement	Caltrans Encroachment Permit; Siskiyou County Encroachment Permit	3.1
1.5	Labor Compliance Monitoring	Agreement with Labor Compliance Monitoring company	
2 Environmental Documentation			
2.1	CEQA Development		3.1
2.2	NEPA Development	Indian Health Service Environmental Review Documentation	3.1
2.3	Permit Development:	Section 404 Permit; Section 401 Permit; USFWS & NMFS & CDFG Threatened/Endangered Species Consultations; CDFG Streambed Alteration Agreement; Executive Order 11988, Floodplain Management Compliance	3.1
3 Planning/Design			
3.1	Planning - Feasibility Study	Final Feasibility Study	
3.2	Ground Design Survey	Topographic Survey	3.1
3.3	Geotechnical Services	Geotechnical Report	3.1
3.4	Preliminary Engineering Design Report	Final Preliminary Engineering Report	3.1, 3.2, & 3.3
3.5	25% Design/Plans	25% Design/Plans	3.4
3.6	90% Design/Plans	90% Design/Plans	3.5
3.7	100% Design/ Plans	100% Design/Plans	3.6
3.8	Other Costs – Legal Review Costs	Legal review of construction contract documents.	3.7

311 - Indian Creek Sewer Pipeline Crossing, Happy Camp Sanitary District



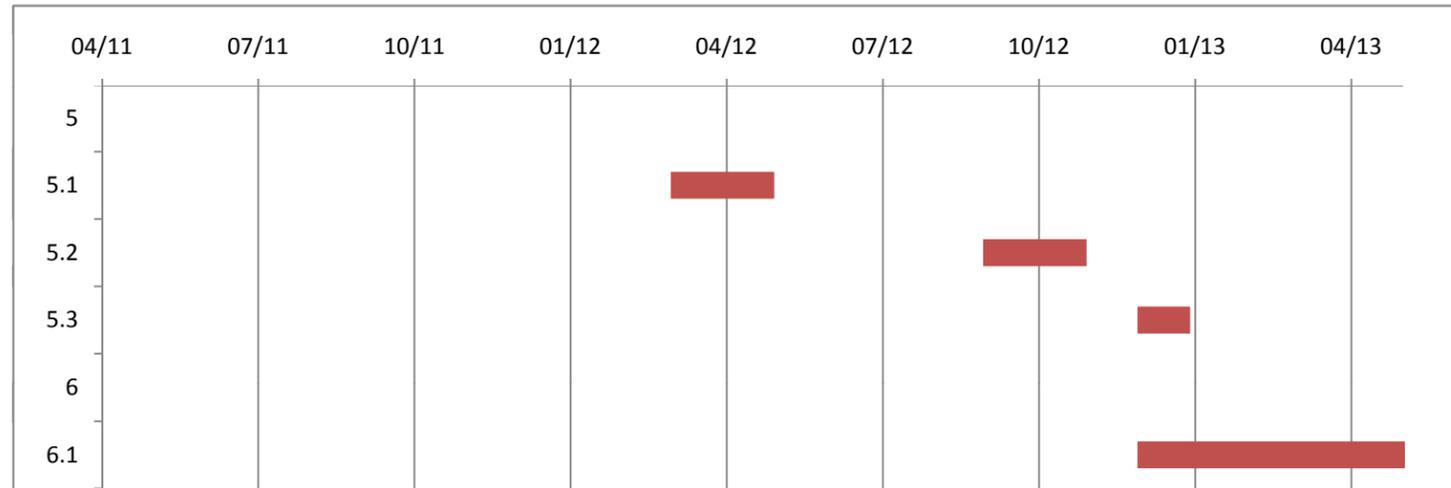
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4 Construction/ Implementation			
4.1	Construction contracting	Sign Agreement (Contract); Issue Notice to Proceed	2.1, 2.2, 2.3, & 3.8
4.2	Construction administration	Process construction payments; Manage and administer contract documents	4.1
4.3	Project Construction	Final inspection; Completion of all final inspection punchlist items; Demobilization	4.1
4.4	Construction Management and Inspection	Construction inspection.	4.1
4.5	Project Closeout	Develop As-Built/Record Drawings	4.3
5 Project Performance			
5.1	Pre-Project Photo Documentation	Pre-Project Photos	4.1
5.2	Post-Project Photo Documentation	Post-Project Photos	4.3
5.3	TERO and Indian Preference Documentation	Documentation of Construction Contractor Compliance with Indian Preference Requirements	4.3
6 Maintenance			
6.1	Conduct Operation and Maintenance (not IRWMP funded)	Ongoing operation and maintenance	4.3

306 - Water Treatment System Upgrade, Happy Camp Community Services District



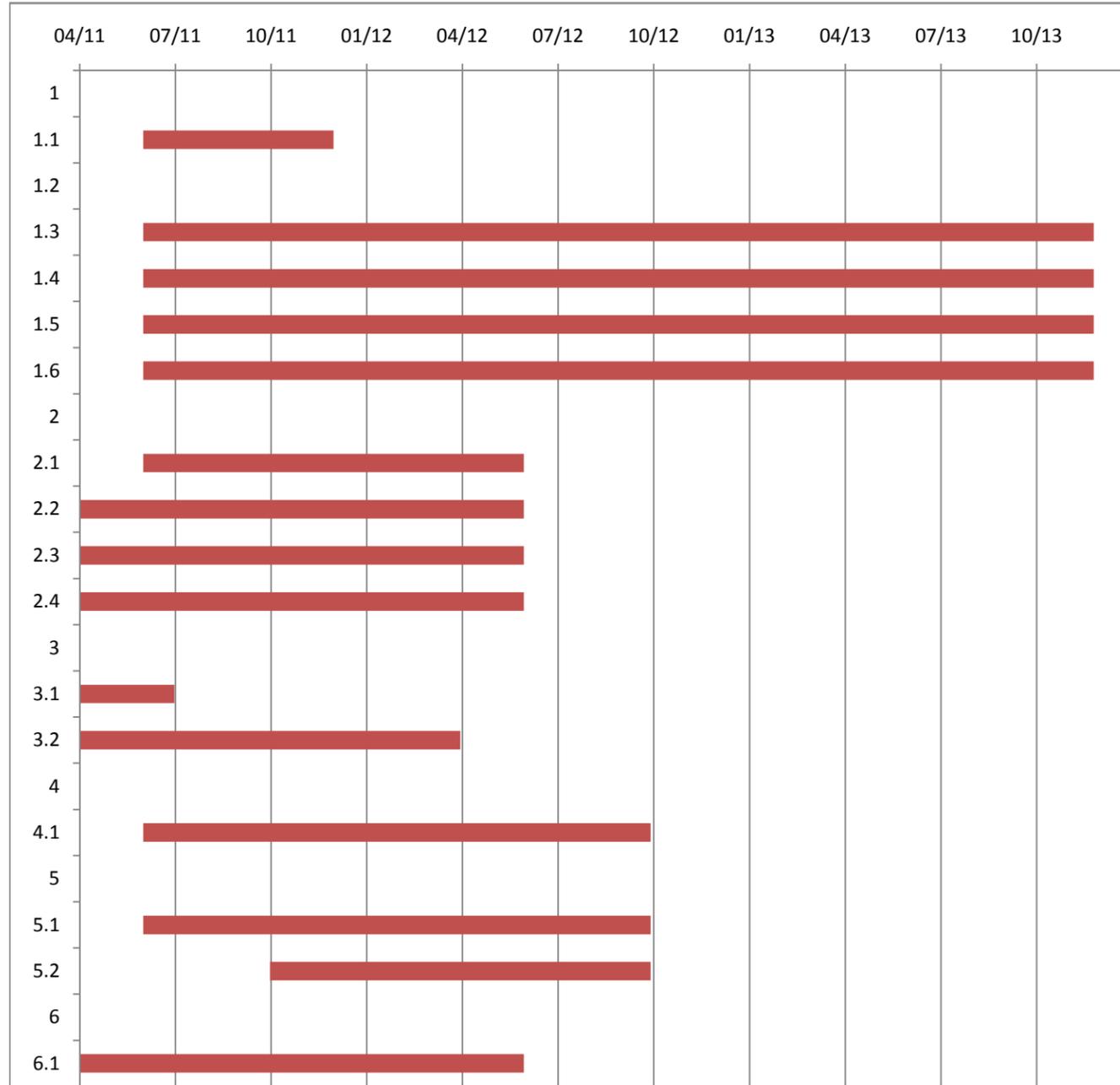
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1 Project Management			
1.1	Project Management	Agreements; Contracts; reports	
1.2	Quarterly Reports	Quarterly reports	
1.3	Final Report	Final Report	4.3
1.4	Labor Compliance Monitoring	Agreement with Labor Compliance Monitoring company	
2 Environmental Documentation			
2.1	CEQA Development	CEQA Documents (complete)	3.1
2.2	NEPA Development	Indian Health Service Environmental Review Documentation	3.1
2.3	Permit Development:	Verify that no permits are required for this project	3.1
3 Planning/Design			
3.1	Planning - Evaluation Study	Final Technical Memorandum	
3.2	Ground Design Survey	Topographic Survey	3.1
3.3	Geotechnical Services	Geotechnical Report	3.1
3.4	Preliminary Engineering Design Report Development	Final Preliminary Engineering Report	3.1, 3.2, & 3.3
3.5	25% Design/Plans Development	25% Design/Plans	3.4
3.6	90% Design/Plans Development	90% Design/Plans	3.5
3.7	100% Design/ Plans Development	100% Design/Plans	3.6
3.8	Other Costs – Legal Review Costs	Legal review of construction contract documents.	3.7
4 Construction/ Implementation			
4.1	Construction contracting	Signed Agreement (Contract); Notice to Proceed	2.1, 2.2, 2.3, & 3.8
4.2	Construction administration	Process construction payments; Manage and administer contract documents	4.1
4.3	Project Construction	Final inspection; Completion of all final inspection punchlist items; Demobilization	4.1
4.4	Construction Management and Inspection	Provide construction inspection.	4.1
4.5	Project Closeout	Develop As-Built/Record Drawings	4.3

306 - Water Treatment System Upgrade, Happy Camp Community Services District



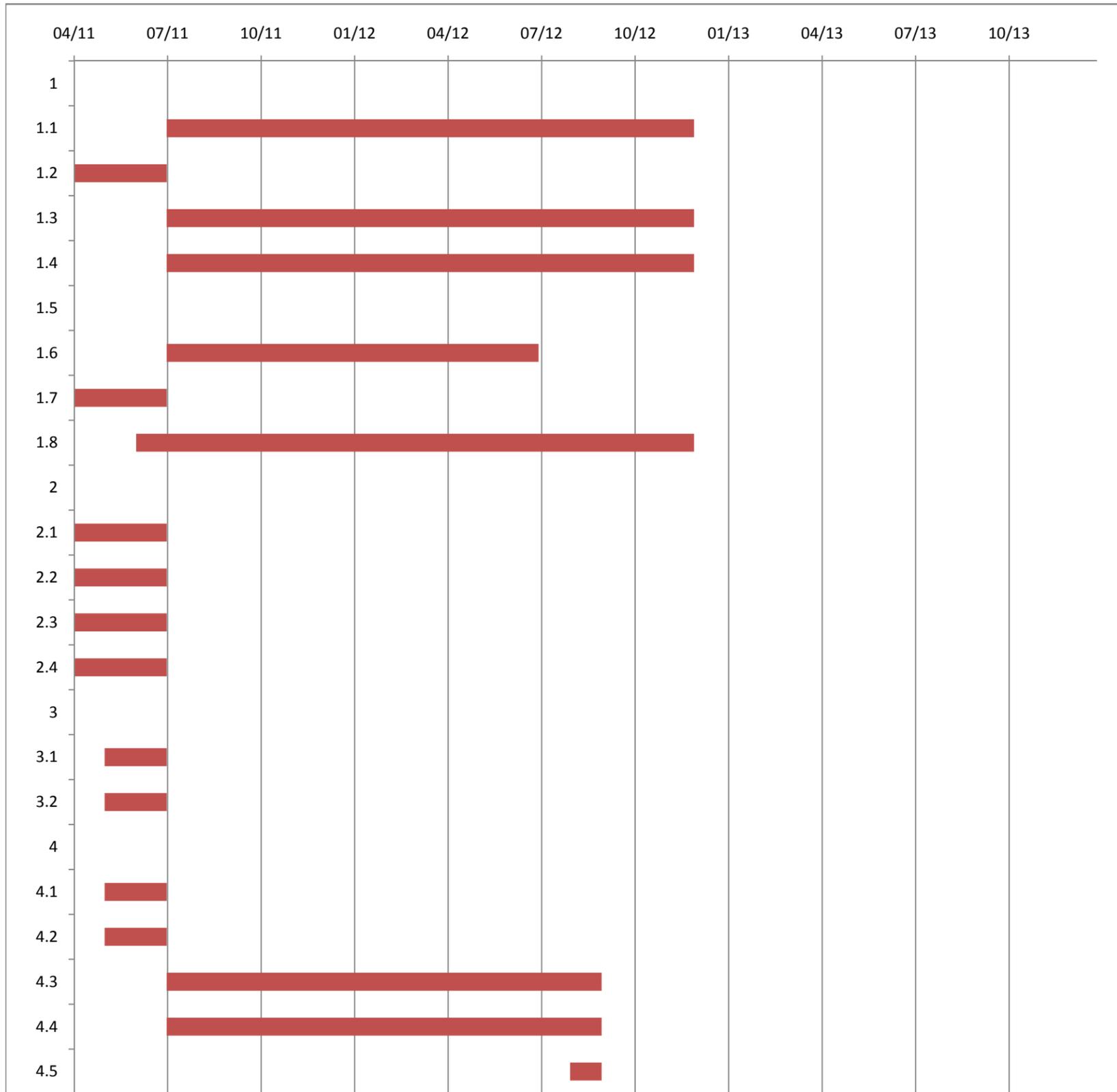
Task #	Work Task Title	Milestone Deliverables	Task Pre-decessor
5	Project Performance Assessment		
5.1	Pre-Project Photo Documentation	Pre-Project Photos	4.1
5.2	Post-Project Photo Documentation	Post-Project Photos	
5.3	TERO and Indian Preference Documentation	Documentation of Construction Contractor Compliance with Indian Preference Requirements	4.3
6	Maintenance		
6.1	Operation and Maintenance (not IRWMP funded)	Ongoing operation and maintenance	4.3

408 - Del Norte Agricultural Enhancement Program, Del Norte Resource Conservation District



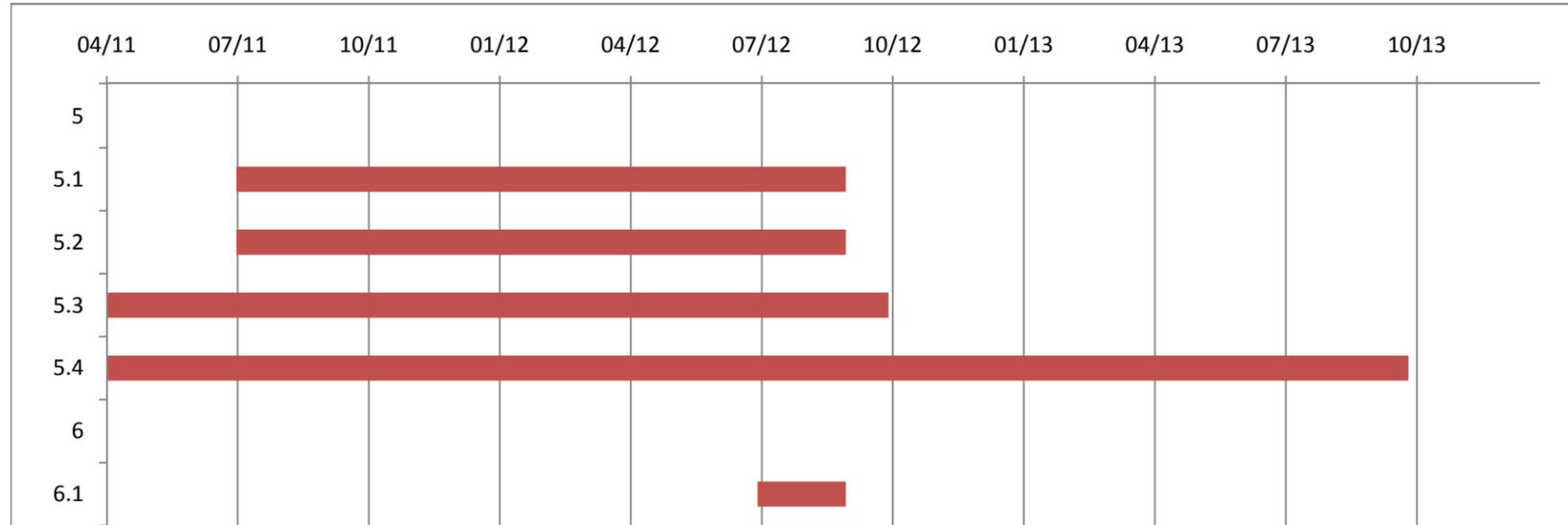
Task #	Work Task Title	Milestone Deliverables	Task Pre-decessor
1 Project Management			
1.1	Contract Management	Sub-Contract Agreement	
1.2	Project Performance Plan Development	Project Performance Plan	
1.3	Quarterly Reports	Financial Progress Summary	
1.4	Final Report	Draft Final Report Final Report	
1.5	Planning and Design Committee	Agendas and minutes meetings	
1.6	Labor Compliance Monitoring	Agreement with Labor Compliance Monitoring company	
2 Environmental Documentation			
2.1	CEQA Development	Notice of Determination	
2.2	NEPA Development	Record of Decision	
2.3	Permit Development: grading	Grading permit, if required	
2.4	Permit Development: Other	County permits: Coastal Development Permit	2.1
3 Planning/Design			
3.1	Preliminary Design	Preliminary Design and specifications	
3.2	Final design, plans & special provision specifications	Landowner/operator approved design plans/access agreements	3.1
4 Construction/ Implementation			
4.1	Project Construction	"As built" plans	3.3
5 Project Performance Assessment			
5.1	Photo Documentation	Project photo documentation	4.1
5.2	Post Project Assessment	Final field inspection form	4.1
6 Maintenance			
6.1	Operations and maintenance (not funded by IRWMP)	None	

352 - Gualala River Sediment Reduction Program, Gualala River Watershed Council



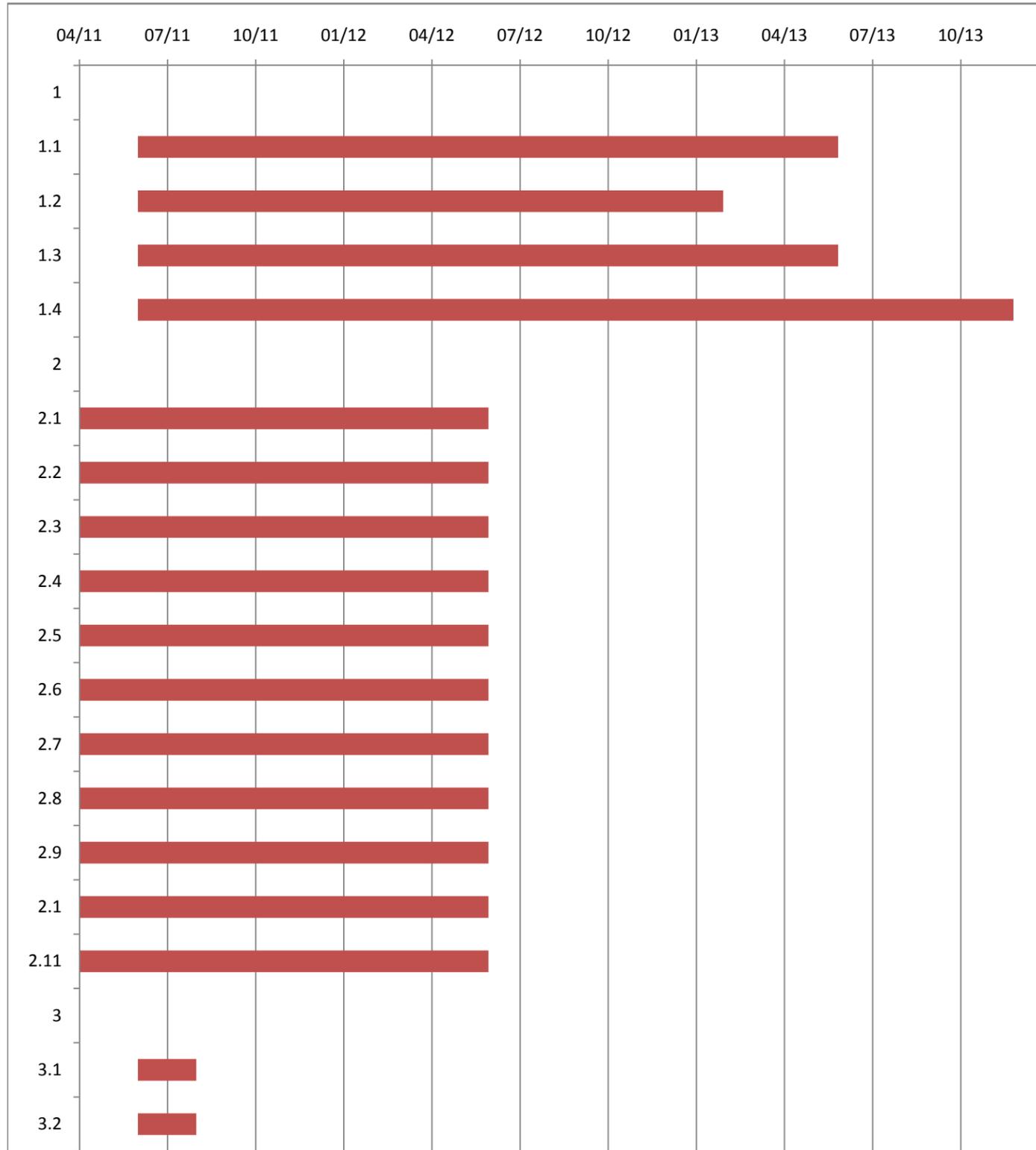
Task #	Work Task Title	Milestone Deliverables	Task Predecessor
1 Project Management			
1.1	Contract Management	Sub-Contract Agreement	
1.2	Project Performance Plan Development	Project Performance Plan	
1.3	Quarterly Reports	Quarterly Reports	1.1
1.4	Final Report	Final Report	4.5
1.5	Land Acquisition		
1.6	Technical Advisory Committee	Conduct at least 2 meetings. Agendas and minutes of TAC meetings	
1.7	Obtain landowner agreements	Signed landowner agreements	
1.8	Labor Compliance Monitoring	Agreement with Labor Compliance Monitoring company	
2 Environmental Documentation			
2.1	CEQA Development	Final environmental documents	
2.2	Permit Development: DFG 1600	DFG 1600 Agreement(Permit need is dependent upon site selection)	1.2, 1.3, 3.4
2.3	Permit Development: 404	Clean Water Act Section 404 Permit issued by the Army Corps of Engineers (COE), if	1.2, 1.3, 3.4
2.4	Permit Development: 401	RWQCB 401 Certification	1.2, 1.3
3 Planning/ Design			
3.1	GRWC 2009 Inventory and Assessment	Review GRWC 2009 Inventory and Assessment	
3.2	Final design, plans and special provision specifications.	Final Project Design and Construction Specifications	
4 Construction/ Implementation			
4.1	Construction contracting: Advertise and Contract Bidding	Selection of Contractor	3.1, 3.2
4.2	Construction contracting: Award	Contract Award	4.1
4.3	Construction	Construction complete	4.2
4.4	Construction Inspection and Management	Inspection Reports, Contractor Log, Submittals	4.2,4.3
4.5	Construction Project Close Out & Demobilization	As-Built database	4.4

352 - Gualala River Sediment Reduction Program, Gualala River Watershed Council



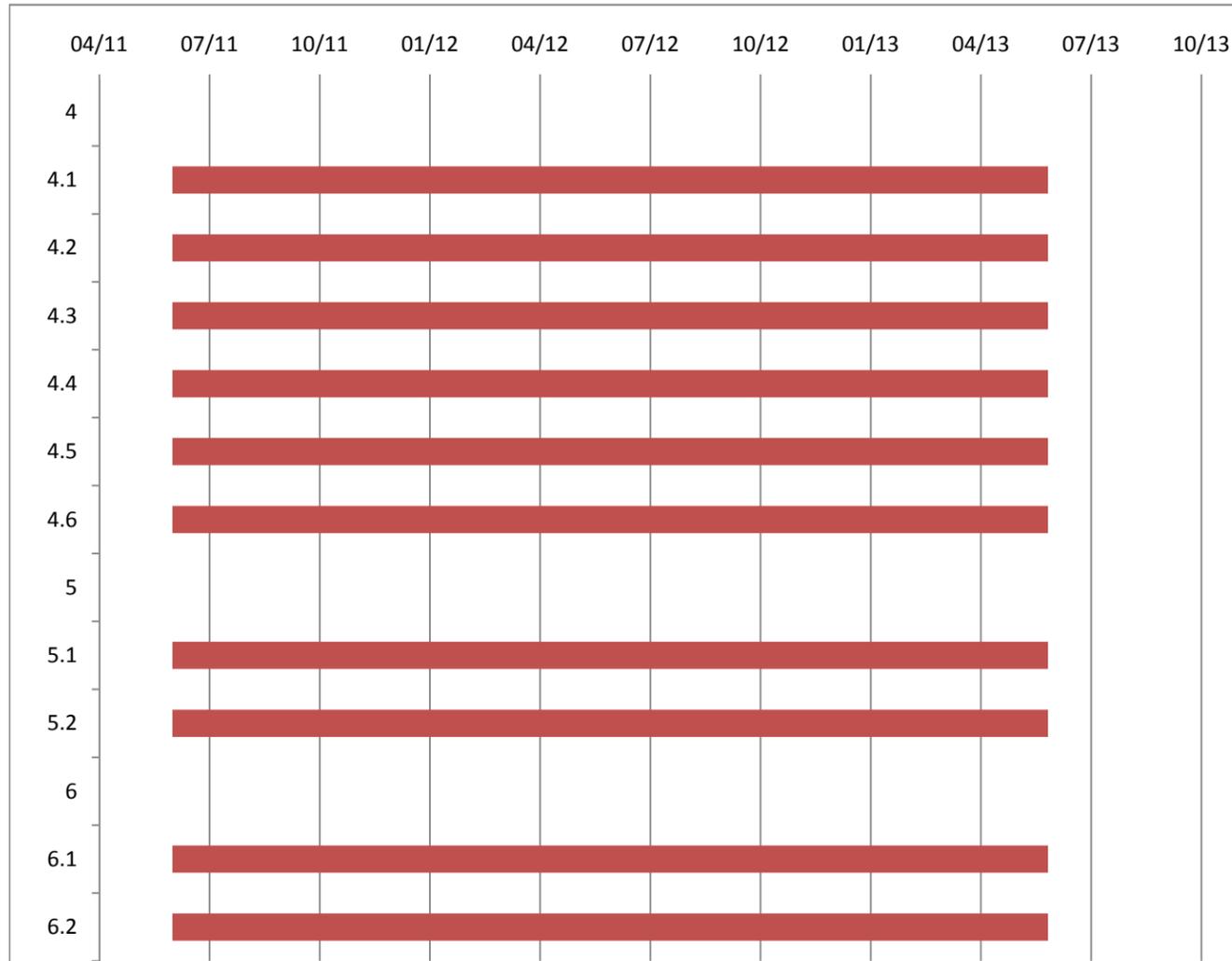
Task #	Work Task Title	Milestone Deliverables	Task Pre-decessor
5 Project Performance Assessment			
5.1	Photo Documentation	Project photo documentation	4.2
5.2	Project Performance Assessment	Project Performance Plan	1.2
5.3	Stream flow gauge	Stream flow data collection	4.2
5.4	Post Project Assessment(not funded by IRWM funding)	Monitoring Report	4.4
6 Site Repair/ Maintenance			
6.1	Landowner Maintenance Program (not funded by IRWM funding)	Landowner Maintenance Program	4.2

444 - Mattole Integrated Watershed Management Initiative, Mattole Restoration Council



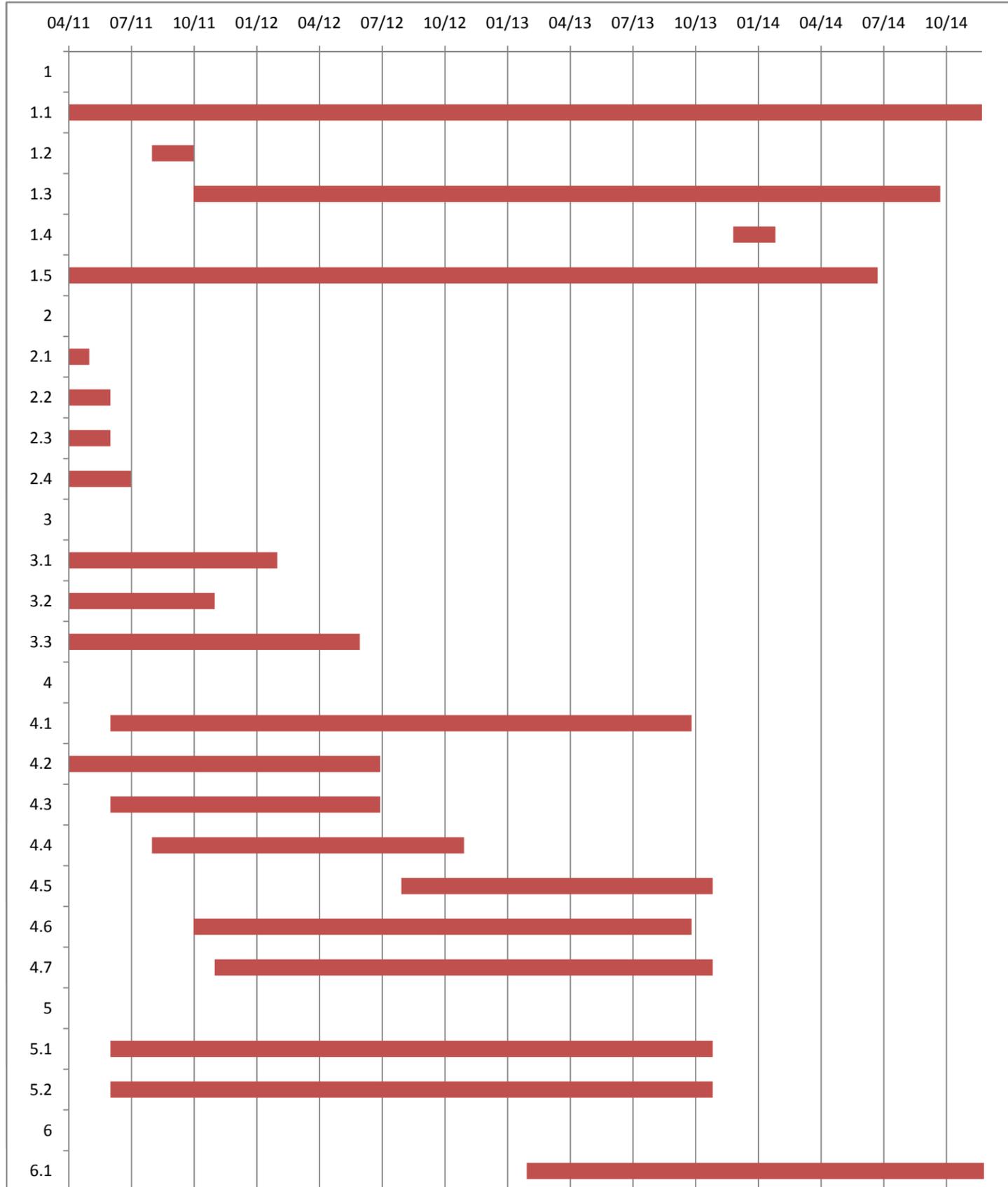
Task #	Work Task Title	Milestone Deliverables	Task Pre-decessor
1 Project Management			
1.1	Contract Management	Sub-agreement; Final report	
1.2	Quarterly Reports	Quarterly reports	
1.3	Final Report	Final report	
1.4	Labor Compliance Monitoring	Agreement with Labor Compliance Monitoring company	
2 Environmental Documentation			
2.1	CEQA Development	CEQA Document	
2.2	NEPA Development	NEPA Document	
2.3	Permit Development: DFG 1600; DFG 1602	Permit: DFG 1600; DFG 1602	
2.4	Permit Development: RWQCB Waste Discharge permit	Permit: RWQCB Waste Discharge permit	
2.5	Permit Development: DFG 5 Year Rearing Plan; DFG CESA MOU	Permit: DFG 5 Year Rearing Plan; DFG CESA MOU	
2.6	Permit Development: SWRCB Small domestic use	Permit: SWRCB Small domestic use	
2.7	Permit Development: County permits	Permit: County permits	
2.8	Permit Development: Botanical/archaeological clearance	Permit: Botanical/archaeological clearance	
2.9	Permit Development: NOAA Section 10	Permit: NOAA Section 10	
2.1	Forbearance recordation fees	Final copies of agreements	
2.11	Property chain of title	Final copies of documents	2.1
3 Planning/Design			
3.1	Land Surveying/ Tank Installation Design	Final Tank Installation Plan	
3.2	Site Design	Completed Site Plans.	

444 - Mattole Integrated Watershed Management Initiative, Mattole Restoration Council



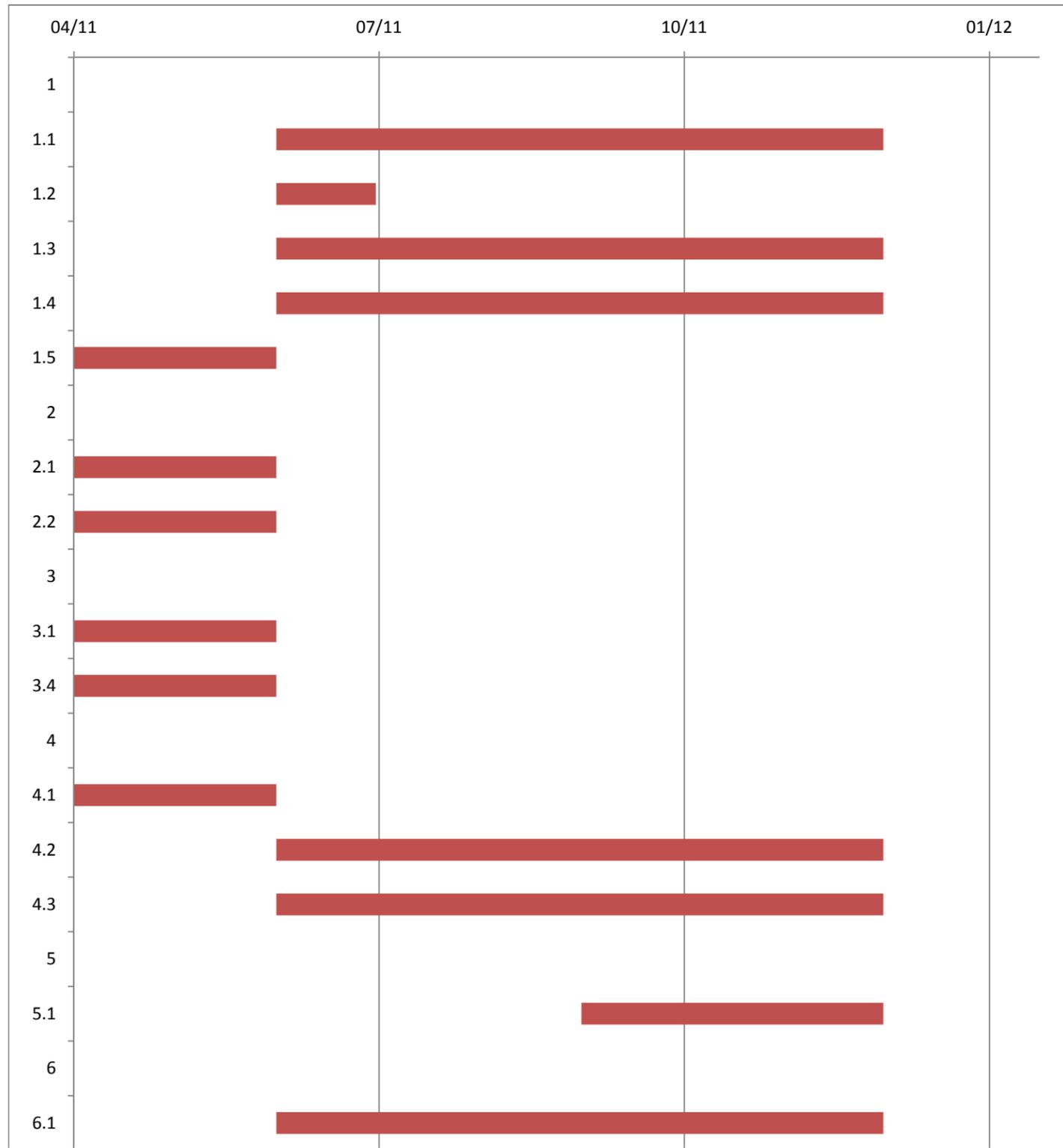
Task #	Work Task Title	Milestone Deliverables	Task Pre-decessor
4 Construction/ Implementation			
4.1	Implementation administration	Administration documentation	
4.2	Streamflow enhancement	Executed forbearance agreements for 6 landowners	2.6
4.3	Riparian planting	Revegetation Assessment Report, Pre- and Post-Project Photo-documentation	
4.4	Bioengineered fence	Photo documentation	
4.5	Recovery rearing	Final report on numbers captured, survival rates, and facility operations	
4.6	Invasive plant removal	Photo documentation	
5 Project Performance Assessment			
5.1	Turbidity monitoring	Two annual turbidity monitoring reports	
5.2	Streamflow and groundwater monitoring	Two annual streamflow monitoring reports	
6 Site Repair			
6.1	Revegetation assessment and site repair	Photo documentation and data from revegetation assessment	
6.2	Water system maintenance and compliance	Photo documentation, data from maintenance visits	

358 - Mendocino Headwaters Integrated Water Quality Enhancement Project, Mendocino County Resource Conservation District



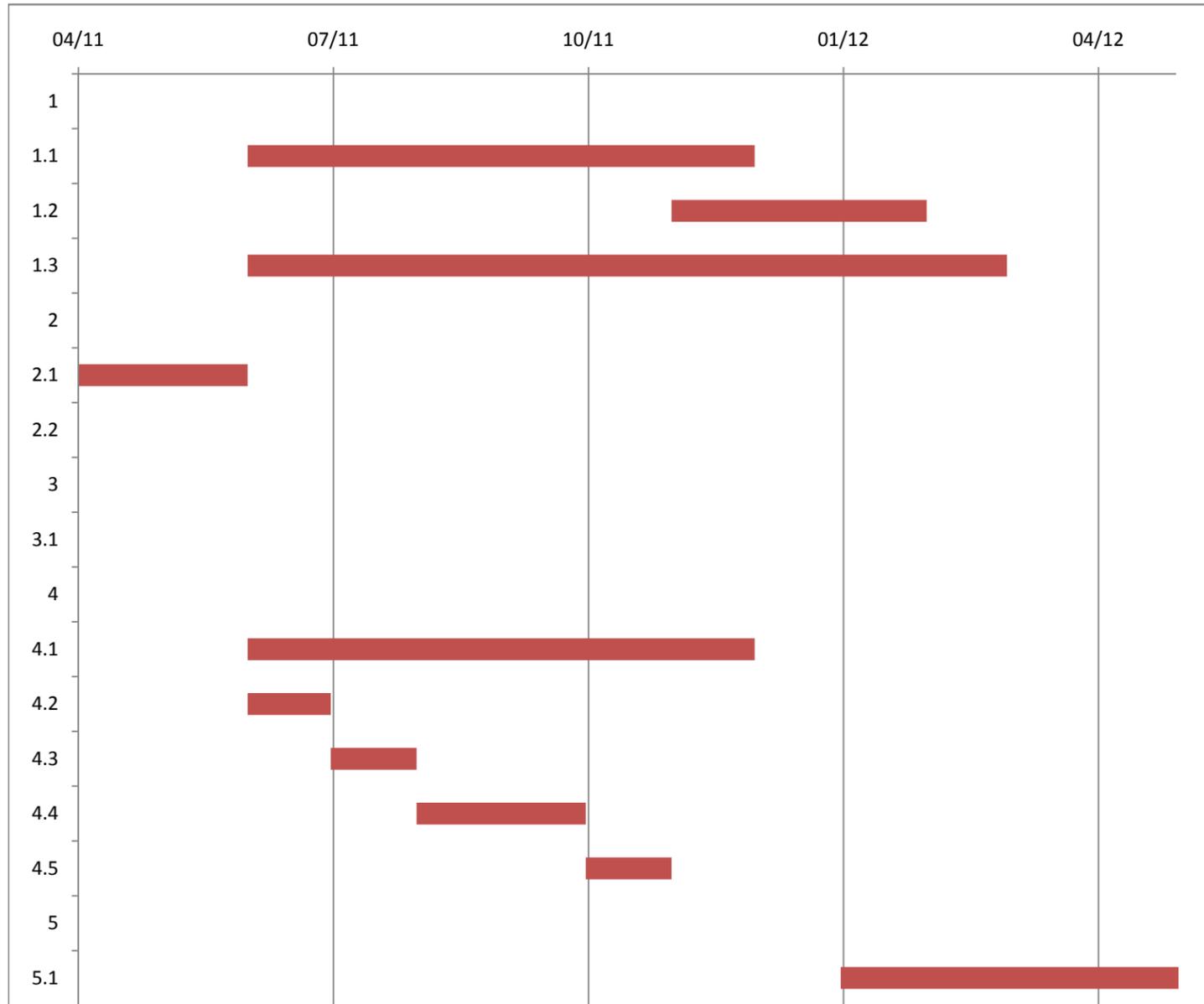
Task #	Work Task Title	Milestone Deliverables	Task Pre-decessor
1 Project Management			
1.1	Contract Management	Copy of agreements with PWA for fish passage restoration and road decommissioning projects; Access and maintenance agreements	
1.2	Project Performance Plan Development	Approved project performance plan	
1.3	Quarterly Reports	Quarterly progress reports	
1.4	Final Report	Final report	1.3
1.5	Labor Compliance Monitoring	Agreement with Labor Compliance Monitoring company	
2 Environmental Documentation			
2.1	CEQA Development	CEQA Documentation	
2.2	Permit Development: 401	Approved Permit: 401	
2.3	Permit Development: 404	Approved Permit: 404	
2.4	Permit Development: 1600	Approved Permit: 1600	2.1
3 Planning/Design			
3.1	Assessment and Feasibility Studies	Completed assessment for road decommissioning; completed assessments for fish passage restoration; site map	
3.2	60% Design	Completed channel analysis for fish passage restoration projects and preliminary bridge designs; Draft road logs; Plans for invasive removal and site revegetation	
3.3	Final Design/ Plans	Detailed road logs and tables with site maps; Final site and 4 bridge designs; Final site design for revegetation with culturally significant species	3.2
4 Construction/ Implementation			
4.1	Construction administration	Work schedule; access agreements; copies of invoices	
4.2	Construction contracting	Copies of subcontracts; Copy of agreement for services with Yokayo Rancheria.	
4.3	Mobilization and site preparation	Project updates; Photo documentation	
4.4	Decommission 3 miles of Road	Project updates; Photo documentation	
4.5	Fish Passage Barrier Removals Yokayo Rancheria Riparian	Project updates; Photo documentation	
4.6	Restoration	Project updates; Photo documentation	
4.7	Demobilization	Project updates; Photo documentation	
5 Project Performance Assessment			
5.1	Photo documentation	Before and after photos for each project site	
5.2	Site Inspection	Project updates; Photo documentation	
6 Maintenance			
6.1	Maintenance Agreement Development	Copies of each maintenance agreement	

355 - Real-Time Weather Data for Irrigation Water Management, Del Norte Resource Conservation District



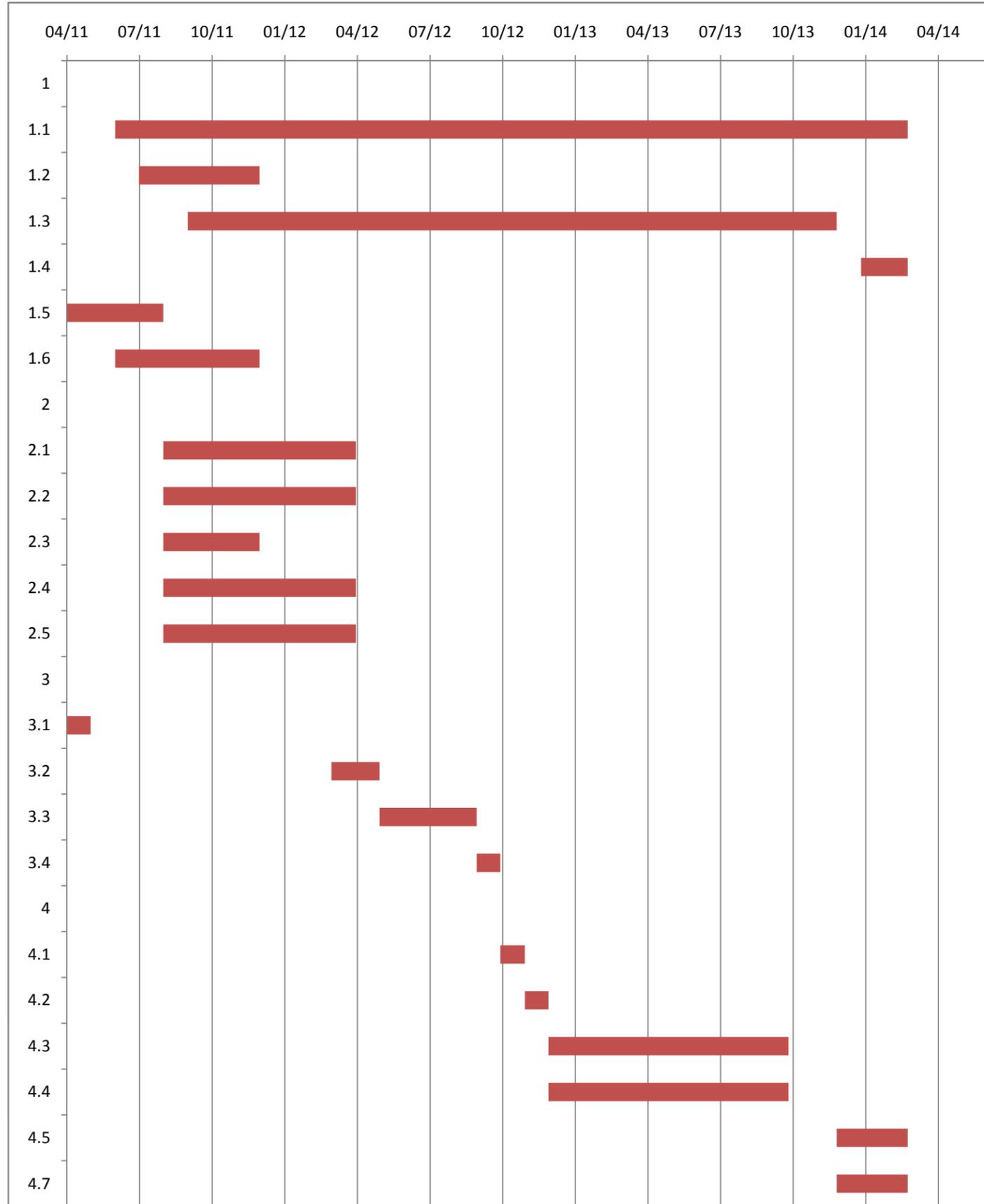
Task #	Work Task Title	Milestone Deliverables	Task Pre-decessor
1 Project Management			
1.1	Contract Management	Sub-Contract Agreement	
1.2	Project Performance Plan Development	Performance Plan	
1.3	Quarterly Reports	Quarterly Reports; Financial Progress Summary	
1.4	Final Report	Final Project Report	1.3
1.5	Obtain cooperative agreement	Cooperative agreement	
2 Environmental Documentation			
2.1	CEQA Development	Notice of Determination	
2.2	NEPA Development	EQIP EA and FONSI January 2010	
3 Planning/Design			
3.1	Assessment and Feasibility Studies	Location Map	
3.4	Final Design/ Plans	CIMIS weather station equipment standard	
4 Construction/ Implementation			
4.1	Mobilization and site preparation	Shipping Receipt	
4.2	Project Construction	Photo of installed station and data sheet from the CIMIS website	
4.3	Implement Use	Meeting agenda, newsletter or documentation of individual analysis	
5 Project Performance Assessment			
5.1	Post Project Assessment	Website activity analysis	
6 Maintenance			
6.1	Maintain data transfer; Calibration and site check	Summary Report from DWR	

441 - Waterfall Gulch Transmission Main, City of Fort Bragg



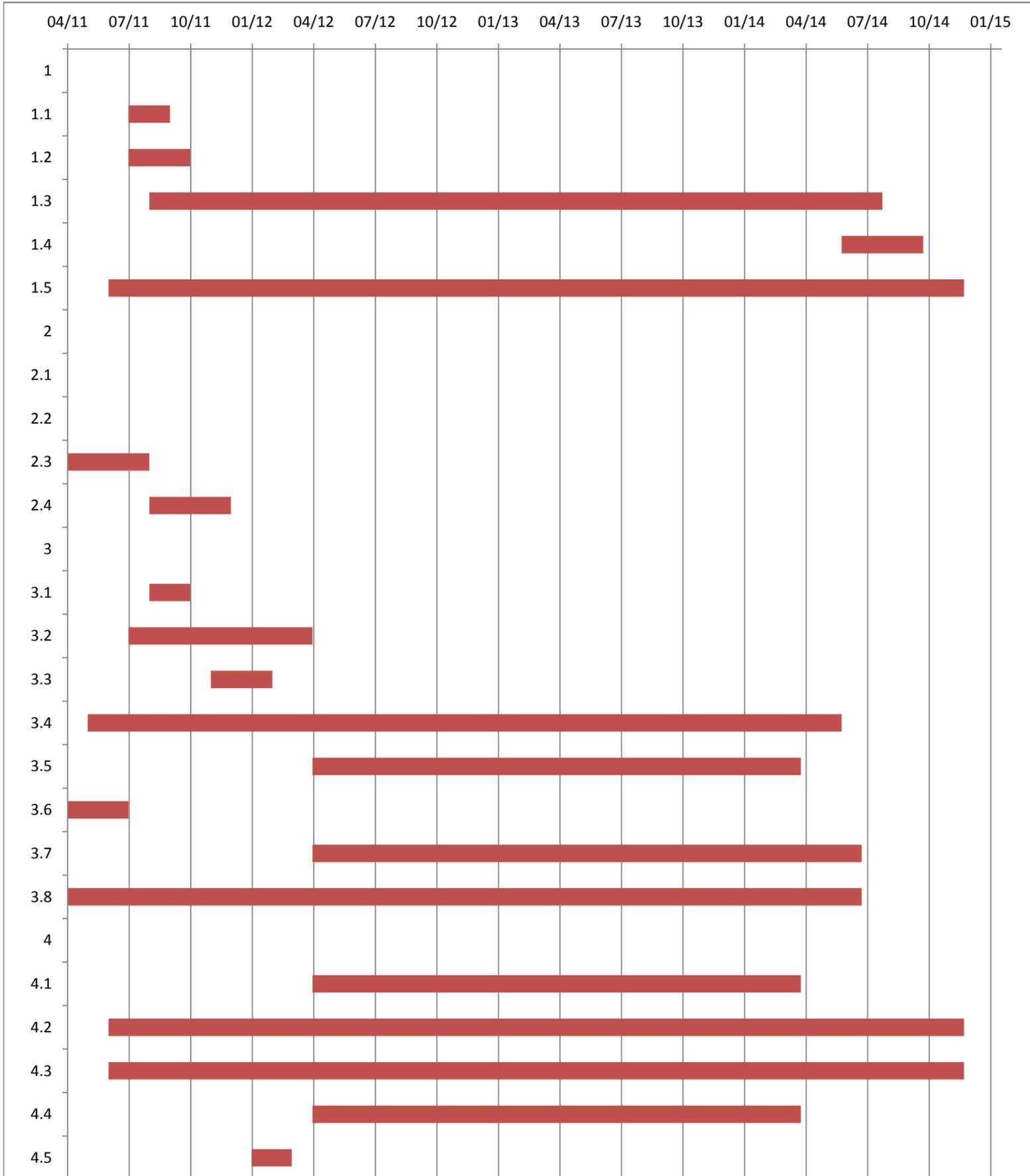
Task #	Work Task Title	Milestone Deliverables	Task Pre-decessor
1 Project Management			
1.1	Quarterly Reports	Quarterly Reports	
1.2	Final Report	Final Report	1.1
1.3	Labor Compliance Monitoring	Labor Compliance Report	
2 Environmental Documentation			
2.1	CEQA Development	CEQA Document	1.2
2.2	Permit Development	Mendocino County Encroachment Permit	2.1
3 Planning/Design			
3.1	Final Design/ Plans	Final Project Design and Construction Specifications	2.3
4 Construction/ Implementation			
4.1	Construction administration	Inspection Reports, Contractor Log, Submittals	3.1
4.2	Construction contracting: Advertise and Contract Bidding	Selection of Contractor	4.1
4.3	Construction contracting: Award	Contract Award	4.2
4.4	Project Construction	Construction complete	4.3
4.5	Demobilization	As-Built and Record Drawings, County Notice of Completion	4.4
5 Maintenance			
5.1	Annual Maintenance (not IRWMP funded)	Maintenance reports	4.5

362 – Blue Lake Fieldbrook Pipeline Support Retrofit, Humboldt Bay Municipal Water District



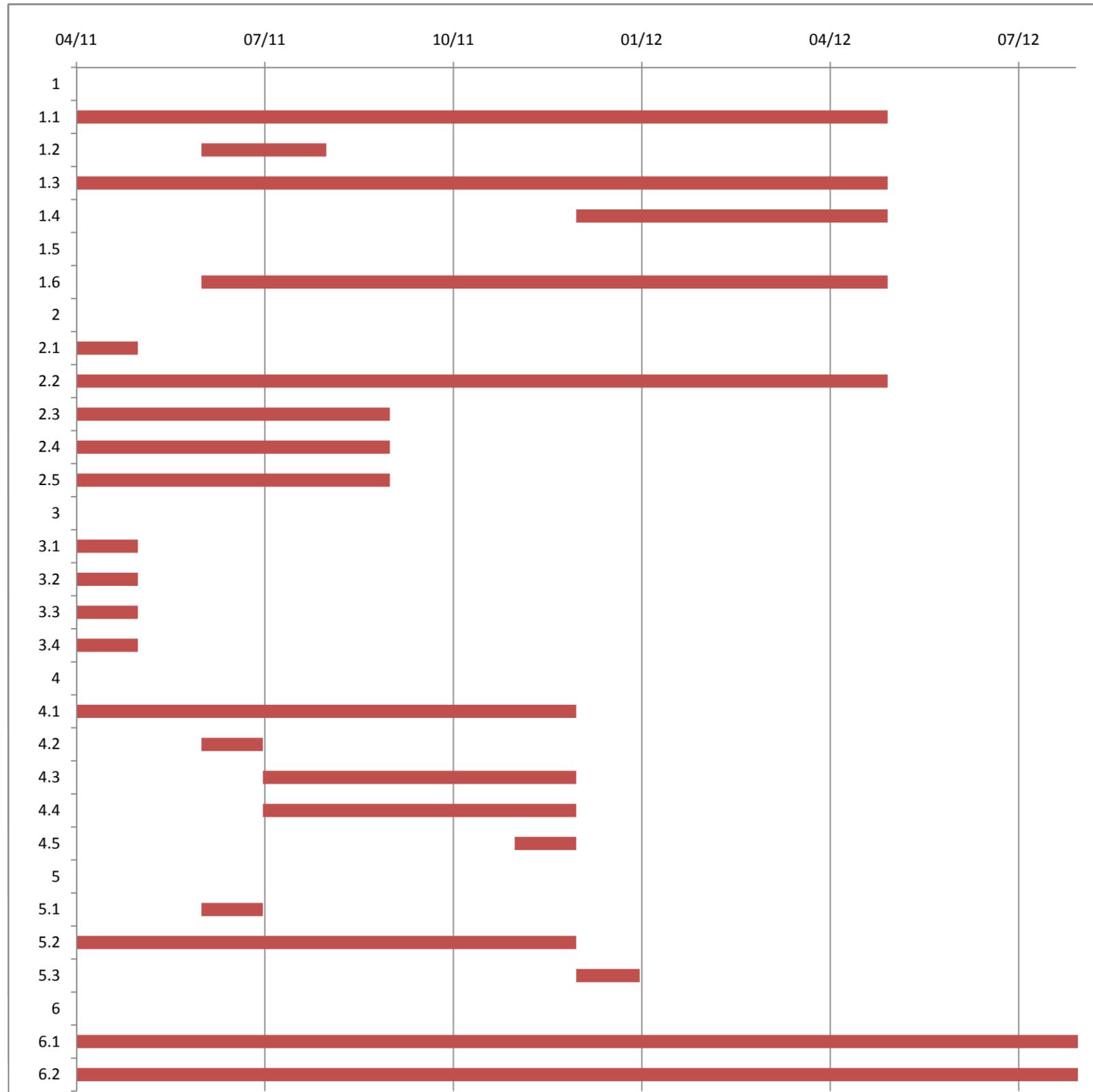
Task #	Work Task Title	Milestone Deliverables	Task Pre-decessor
1 Project Management			
1.1	Contract Management	Correspondence; Agreements	
1.2	Project Performance Plan Development	Project Performance Plan	1.1
1.3	Quarterly Reports	Quarterly Report	1.1
1.4	Final Report	Final Report	4.7
1.5	Land purchase/easement	Executed Easement Agreement filed with Humboldt County Recorder's Office	
1.6	Labor Compliance Monitoring	Agreement with Labor Compliance Monitoring company	
2 Environmental Documentation			
2.1	CEQA Development	Final Negative Declaration; Notice of Determination	1.2
2.2	NEPA Development	Final FONSI; Record of Decision	
2.3	Permit Development: DFG 1600	DFG 1600 Agreement	1.2, 1.3, 3.4
2.4	Permit Development: 404	Clean Water Act Section 404 Permit	1.2, 1.3, 3.4
2.5	Permit Development: 401	RWQCB 401 Certification	1.2, 1.3
3 Planning/Design			
3.1	Assessment and Feasibility Studies	Feasibility study with preferred alternative defined	
3.2	Concept Design		
3.3	90% Design	90% Plans and Specifications	3.2
3.4	Final Design/ Plans	Final Project Design and Construction Specifications	3.3
4 Construction/ Implementation			
4.1	Construction contracting: Advertise and Contract Bidding	Selection of Contractor	3.6, 3.7
4.2	Construction contracting: Award	Contract Award	4.1
4.3	Construction	Construction complete	4.2
4.4	Construction Inspection and Management	Inspection Reports, Contractor Log, Submittals	4.2
4.5	Re-vegetation	Re-vegetation Inspection	4.2, 4.3
4.7	Construction Project Close Out & Demobilization	As-Built and Record Drawings, County Notice of Completion	4.4

405 - Sustainable Forests, Clean Water & Carbon Sequestration Demonstration Project, Redwood Forest Foundation Inc.



Task #	Work Task Title	Milestone Deliverables	Task Pre-decessor
1 Project Management			
1.1	Procure suitable biomass to biochar conversion unit and supporting equipment	Contingency contract	2.1
1.2	Procure Mendocino Air Quality Management Permit for Biochar Unit	Air Quality Permits	1.1
1.3	Quarterly Reports	Quarterly Reports	1.1, 1.2
1.4	Final Report	Final Report	
1.5	Labor Compliance Monitoring	Agreement with Labor Compliance Monitoring company	
2 Planning/Design			
2.1	Technical and Economic Feasibility Analysis	Cost benefit spreadsheet	
2.2	Choose location for Biochar facility to be located	Location selected	
2.3	Choose Acorn Harvesting Orchard Location	Acorn Harvesting Orchard Location	
2.4	Final Design	Final Design	
3 Construction/ Implementation			
3.1	Install biochar conversion unit	Installation contract	1.1
3.2	Recruit and Train Staff	Two staff members hired	1.1, 1.2, 3.1
3.3	Test Run	One ton of biochar created	1.1, 1.2, 3.1
3.4	Forest Thinning	3 BDT of biomass removed from the Usal Redwood Forest	
3.5	Full Production	1,500 lbs of biochar produced in one day	3.1, 3.2, 3.3, 3.4
3.6	Product Sales	One ton of biochar sold	3.3
3.7	Project Replication	One written white paper; Two technical transfer workshops; Five project tours or open houses	
3.8	Outreach/ Education and Marketing	One outreach, education or marketing event per quarter	
4 Project Performance Assessment			
4.1	Monitoring for air quality permit compliance	Compliance with Mendocino Air Quality regulations and permit.	1.1, 1.2, 3.3
4.2	Stream Gauge Monitoring	Documented annual flow each year from 2011-2014; Documented minimum discharge each year from 2012-2014	
4.3	Ecosystem Assessment	Baseline conditions measured; Changes documented	
4.4	Supply and Demand Assessment	Monthly documentation of biochar produced and sold	3.3
4.5	Product Evaluation	One report on biochar purity before commercial sale	1.1, 1.2, 3.3

357 - Hwy 96 Stormceptor, Willow Creek Community Services District



Task #	Work Task Title	Milestone Deliverables	Task Pre-decessor
1 Project Management			
1.1	Contract Management	Sub-contract agreement	
1.2	Project Performance Plan Development	Testing and Project Performance Plan	
1.3	Quarterly Reports	Quarterly reports	
1.4	Final Report	Final report	1.3
1.5	Land purchase/easement	complete	
1.6	Labor Compliance Monitoring	Agreement with Labor Compliance Monitoring company	
2 Environmental Documentation			
2.1	CEQA Development	CEQA final ruling	
2.2	Permit Development: TR0100	Caltrans Encroachment Permit	
2.3	Permit Development: 401	RWQCB 401 Certification	
2.4	Permit Development: NPDES permit	SWPPP; NPDES Permit	
2.5	Permit Development: Grading	Grading Permit	
3 Planning/Design			
3.1	Assessment and Feasibility Studies	Assessment and Feasibility Studies (complete)	
3.2	Concept Design	Concept Design (complete)	
3.3	60% Design	60 % Design Civil Plan Set	
3.4	Final Design/ Plans	Final Civil Plan Set	
4 Construction/ Implementation			
4.1	Construction administration	Contractor Bids	
4.2	Construction contracting	Contract for Work	3.4
4.3	Mobilization and site preparation	Photo documentation	
4.4	Project Construction	Photo documentation	
4.5	Demobilization	Photo documentation	
5 Project Performance Assessment			
5.1	Pre-Construction	Pre-construction test results; Photo report	
5.2	Construction	Test results; Photo report	
5.3	Post-Construction	Test results; Photo report	
6 Maintenance			
6.1	Interceptor (not IRWM funded)	Maintenance schedule	
6.2	Basin (not IRWM funded)	Maintenance schedule	