



# **NORTH COAST RESOURCE PARTNERSHIP**

**2014 IRWM Drought Project Grant Application**

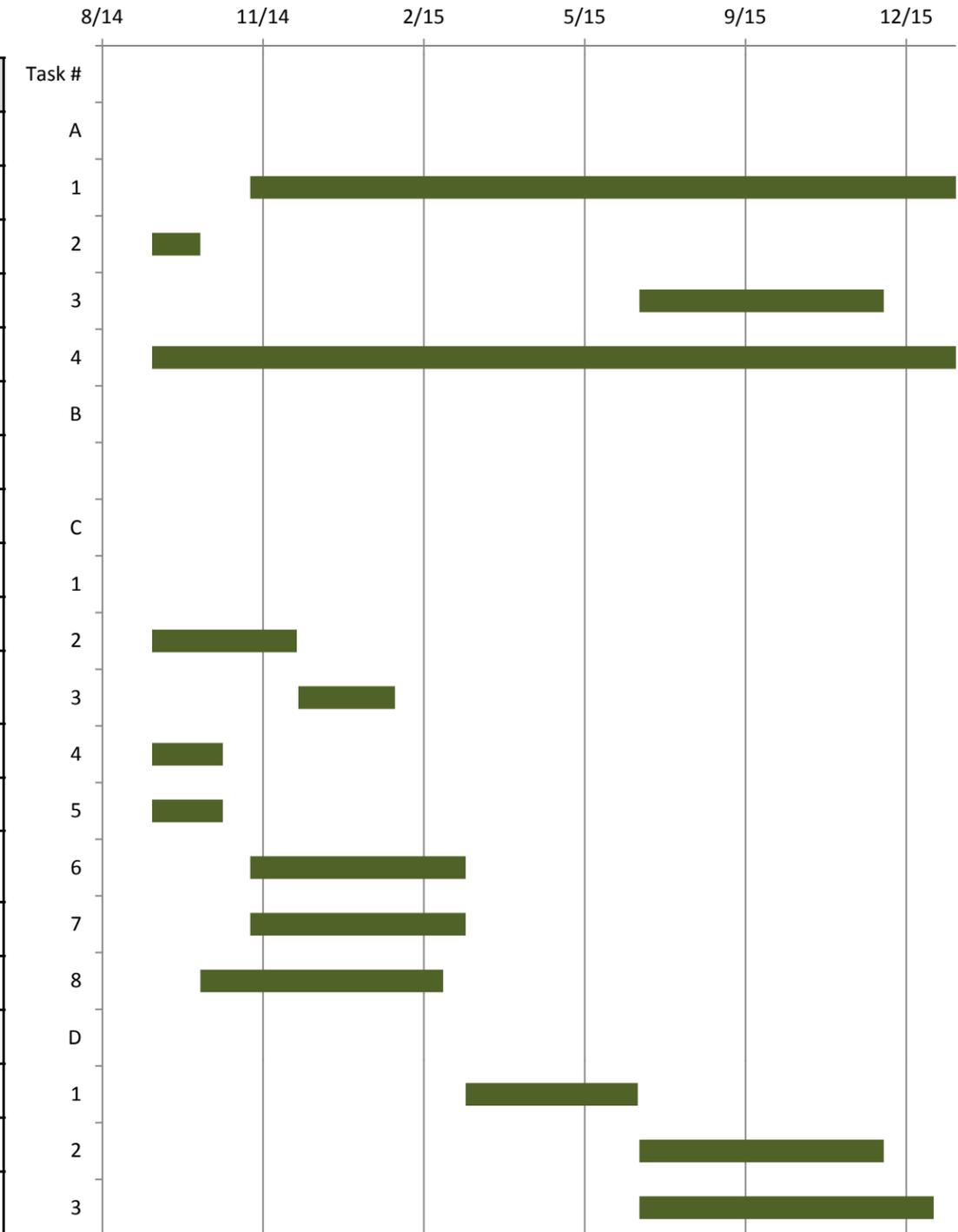
## **ATTACHMENT 6: Schedule**

**Integrated Regional Water Management Program  
Applicant: Humboldt County**

**North Coast Resource Partnership 2014 IRWM Drought Project Grant Application**

**Project Name: Rio Dell and Scotia Community Service District Emergency Water Intertie Project**  
**Organization Name: City of Rio Dell**

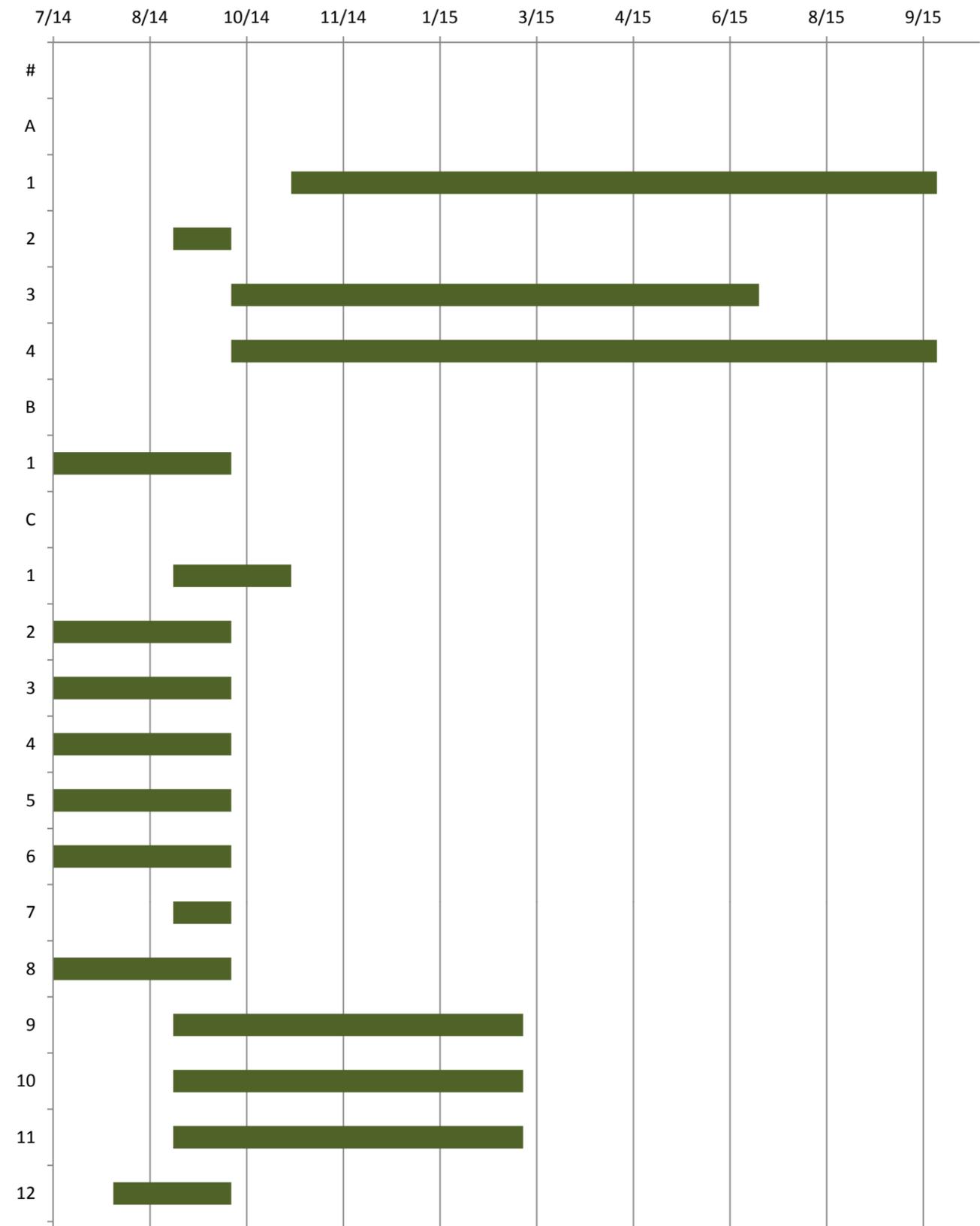
Task #	Major Tasks	Major Deliverables	Current Stage of Completion	Start Date	Completion Date	Pre-decessor
<b>A</b>	<b>Category (a): Direct Project Administration</b>					
1	Administration	Invoices, audited financial statements and other deliverables as required	0%	11/1/14	1/31/16	
2	Monitoring Plan	Final Monitoring Plan	0%	9/1/14	10/1/14	
3	Labor Compliance Program	Submission of Labor Compliance Program	0%	7/1/15	11/30/15	
4	Reporting	Quarterly and Final Reports	0%	9/1/14	1/31/16	
<b>B</b>	<b>Category (b): Land Purchase/Easement</b>					
	n/a		0%			
<b>C</b>	<b>Category (c): Planning/Design/Engineering/Environmental Documentation</b>					
1	Preliminary Alignment Evaluation	Infrastructure Evaluation Memorandum	100%	6/1/06	12/1/06	
2	50% Design Plans, Specifications, and Cost	50% Plans and Specifications	0%	9/1/14	11/30/14	
3	Milestone: Final Design Plans, Specifications and Cost Estimate	Final Project Design and Construction Specifications	0%	12/1/14	1/30/15	
4	Survey	Final Survey Stamped By a Licensed Land Surveyor	0%	9/1/14	10/15/14	
5	Geotechnical Investigation	Final Geotechnical Investigation Stamped by a Licensed Geotechnical Engineer	0%	9/1/14	10/15/14	
6	Milestone: CEQA	Environmental Information Form; Notice of Determination; Letter from lead agency stating there were no legal challenges during public review; Adopted Mitigated Negative Declaration	0%	11/1/14	3/15/15	
7	1600 Permit/State Lands	Approved CDFW 1600 Permit & State Lands Permits	0%	11/1/14	3/15/15	
8	Encroachment Permits	Caltrans Encroachment Permit / NCRA Encroachment Permit	0%	10/1/14	3/1/15	
<b>D</b>	<b>Category (d): Construction/Implementation</b>					
1	Milestone: Pre-Bid period services	Summary of Bids and Contract Award	0%	3/15/15	6/30/15	C.3
2	Milestone: Project Construction	Complete and functional pipe network intertie between Rio Dell and Scotia.	0%	7/1/15	11/30/15	C.3, C.6
3	Construction Management and Project Performance Monitoring.	Summary of construction activities in monthly progress report; Photo documentation, Construction Management Logs; Completed construction administration tasks documented in monthly progress reports. As-Built and Record Drawings	0%	7/1/15	12/31/15	



**North Coast Resource Partnership 2014 IRWM Drought Project Grant Application**

**Project Name: Ukiah Valley-Redwood Valley Water Supply Reliability Intertie and Well Development**  
**Organization Name: City of Ukiah**

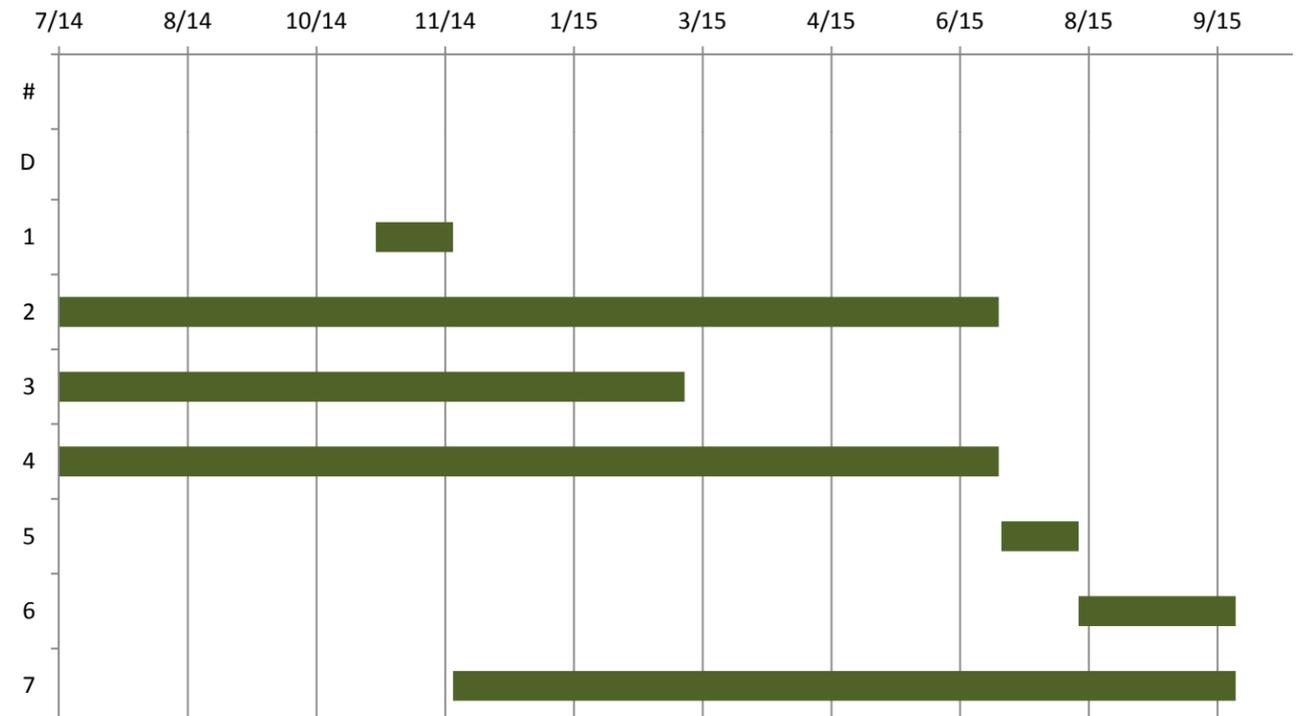
#	Major Tasks	Major Deliverables	Current Stage of Completion	Start Date	Completion Date	Pre-decessor
<b>A</b>	<b>Category (a): Direct Project Administration</b>					
1	Administration	Invoices, audited financial statements and other deliverables as required	0%	11/1/14	10/1/15	
2	Monitoring Plan	Final Monitoring Plan	0%	9/1/14	10/1/14	
3	Labor Compliance Program	Copy of agreement with Labor Compliance Monitoring company	0%	10/1/14	7/1/15	
4	Reporting	Monthly and Final Reports	0%	10/1/14	10/1/15	
<b>B</b>	<b>Category (b): Land Purchase/Easement</b>					
1	City of Ukiah/MCWD & ROGINA/MCWD	Proof of Title Transfer or Easement; Record of Survey; Legal Description of Property	33%	3/1/14	10/1/14	
<b>C</b>	<b>Category (c): Planning/Design/Engineering/Environmental Documentation</b>					
1	90% Design: Interties	90% Plans and Specifications	100%	9/1/14	11/1/14	
2	Milestone: Final Design /Plans - Interties	Final Project Design and Construction Specifications	50%	3/1/14	10/1/14	
3	90% Design: Wells	90% Plans and Specifications	15%	3/1/14	10/1/14	
4	Survey	Final Survey Stamped By a Licensed Land Surveyor	15%	3/1/14	10/1/14	
5	Geotechnical Investigation	Final Geotechnical Investigation Stamped by a Licensed Geotechnical Engineer	15%	3/1/14	10/1/14	
6	Milestone: Final Design /Plans - Wells	Final Project Design and Construction Specifications	15%	4/22/14	10/1/14	
7	Milestone: CEQA - Interties	Environmental Information Form; Letter from lead agency stating there were no legal challenges during public review; Approved and adopted CEQA documentation	0%	9/1/14	10/1/14	
8	Milestone: CEQA - Wells	Environmental Information Form; Letter from lead agency stating there were no legal challenges during public review; Approved and adopted CEQA documentation	0%	6/1/14	10/1/14	
9	Development Permits	Mendocino County Drilling, Building & Grading Permits	0%	9/1/14	3/1/15	
10	DOT Encroachment Permit	DOT Encroachment Permit	0%	9/1/14	3/1/15	
11	City of Ukiah Encroachment Permit	City of Ukiah Encroachment Permit	0%	9/1/14	3/1/15	
12	CDPH Domestic Water Supply Permit Amendment	CDPH Domestic Water Supply Permit Amendment	0%	8/1/14	10/1/14	



**North Coast Resource Partnership 2014 IRWM Drought Project Grant Application**

**Project Name: Ukiah Valley-Redwood Valley Water Supply Reliability Intertie and Well Development**  
**Organization Name: City of Ukiah**

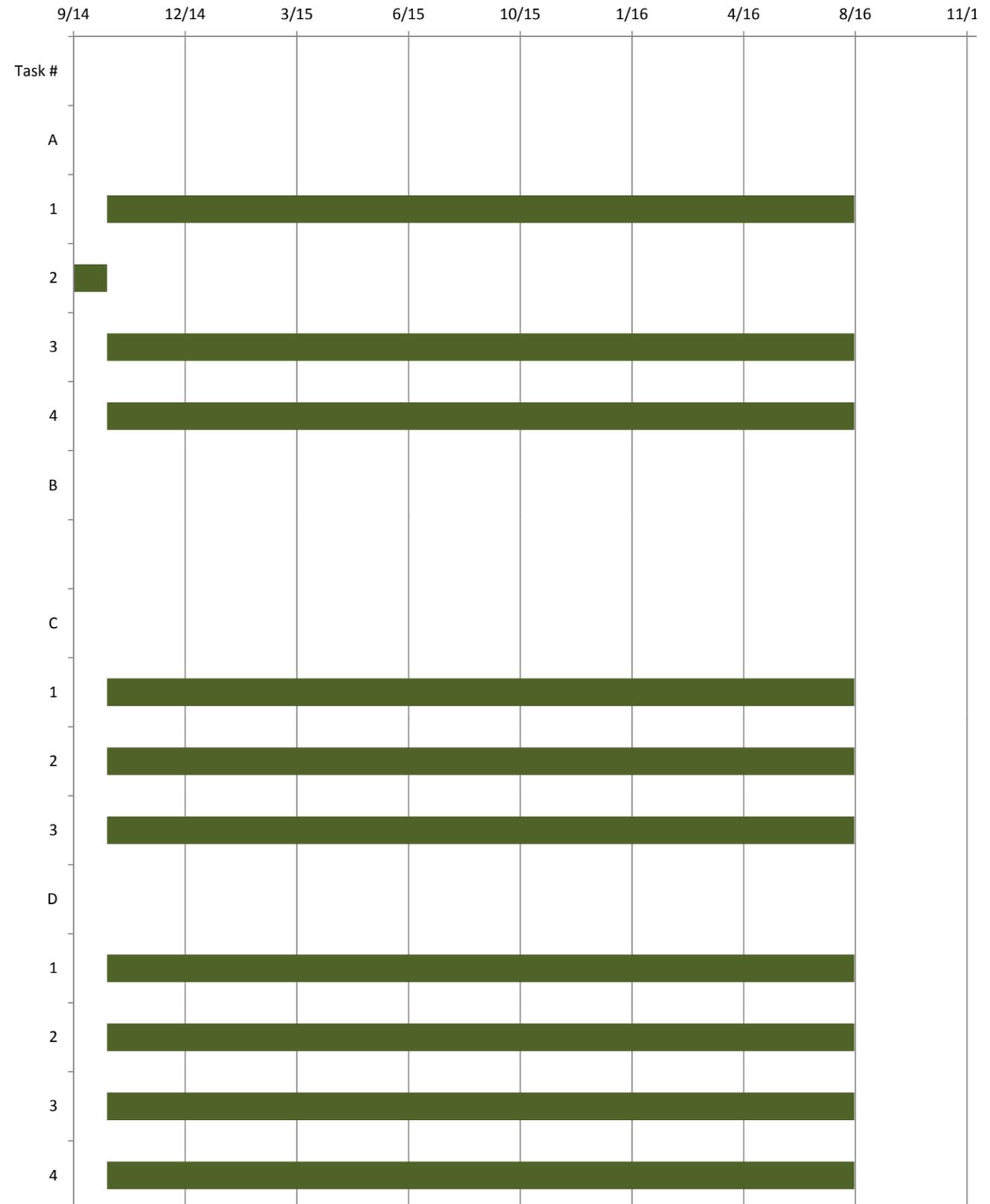
#	Major Tasks	Major Deliverables	Current Stage of Completion	Start Date	Completion Date	Pre-decessor
D	<b>Category (d): Construction/Implementation</b>					
1	Construction Contracting	Summary of Bids and Contract Award	0%	11/1/14	12/1/14	C.2
2	Mobilization and Site Preparation	Summary of site preparation activities in monthly reports; pre-project site photos	0%	1/2/14	7/1/15	
3	Project Construction: Interties	Summary of construction activities in monthly progress report; Photo documentation; Construction completed	10%	5/14/14	3/1/15	C.2, C.7
4	Project Construction: Wells	Summary of construction activities in monthly progress report; Photo documentation; Construction completed	0%	6/1/14	7/1/15	C.3, C.8
5	Milestone: Construction Project Close Out,	As-Built and Record Drawings; Project completion site photos	0%	7/2/15	8/1/15	
6	Project Performance Monitoring	Flow report	0%	8/1/15	10/1/15	
7	Construction Administration	Construction Management Logs; Completed construction administration tasks documented	0%	12/1/14	10/1/15	



**North Coast Resource Partnership 2014 IRWM Drought Project Grant Application**

**Project Name: Sonoma-Mendocino Immediate Drought Relief Project**  
**Organization Name: Sonoma County Water Agency**

Task #	Major Tasks	Major Deliverables	Current Stage of Completion	Start Date	Completion Date	Pre-decessor
<b>A</b>	<b>Category (a): Direct Project Administration</b>					
1	Administration	Invoices, audited financial statements and other deliverables as required	0%	10/1/14	7/31/16	
2	Monitoring Plan	Final Monitoring Plan	0%	9/1/14	10/1/14	
3	Labor Compliance Program	Copy of agreement with Labor Compliance Monitoring company	0%	10/1/14	7/31/16	
4	Reporting	Monthly and Final Reports	0%	10/1/14	7/31/16	
<b>B</b>	<b>Category (b): Land Purchase/Easement</b>					
			0%			
<b>C</b>	<b>Category (c): Planning/Design/Engineering/Environmental Documentation</b>					
1	Program Coordination and planning	Documentation in quarterly and final reports on program coordination efforts, and meetings/conference calls with partners	0%	10/1/14	7/31/16	
2	Partner Outreach and Training	Partner Outreach and Training Materials	0%	10/1/14	7/31/16	
3	Development of Program Marketing and Outreach Materials	Program Marketing and Outreach Materials	0%	10/1/14	7/31/16	
<b>D</b>	<b>Category (d): Construction/Implementation</b>					
1	Implement High-Efficiency Fixture Direct Install Program	Program tracking spreadsheets and reporting on progress in quarterly and final reports	0%	10/1/14	7/31/16	C.1, C.2
2	Implement Turf Replacement Rebate Program (eligibility verification, process rebates)	Program tracking spreadsheets and reporting on progress in quarterly and final reports	0%	10/1/14	7/31/16	C.1, C.2
3	Mentor Partners to Ensure Program is Replicated Region-wide	Training materials; document progress in quarterly and final reports	0%	10/1/14	7/31/16	
4	Milestone: Project Performance - Monitor and Track Program Participation and Success	Program tracking spreadsheets	0%	10/1/14	7/31/16	D.1, D.2

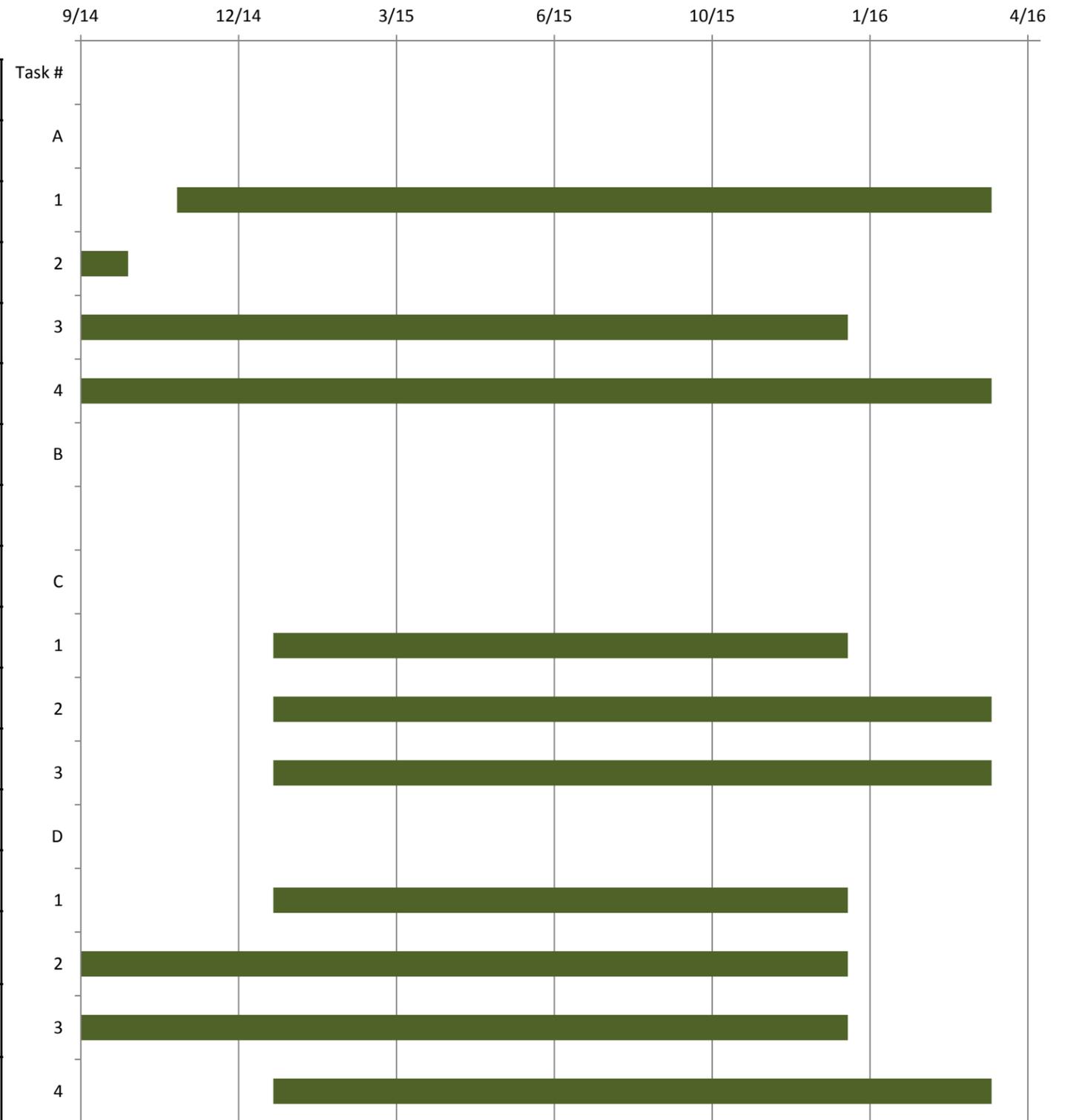


**North Coast Resource Partnership 2014 IRWM Drought Project Grant Application**

**Project Name: Water Meter Project**

**Organization Name: Lewiston Park Mutual Water Company**

Task #	Major Tasks	Major Deliverables	Current Stage of Completion	Start Date	Completion Date	Pre-decessor
<b>A</b>	<b>Category (a): Direct Project Administration</b>					
1	Administration	Invoices, audited financial statements and other deliverables as required	4%	11/1/14	3/31/16	
2	Monitoring Plan	Final Monitoring Plan		9/1/14	10/1/14	
3	Labor Compliance Program	Copy of agreement with Labor Compliance Monitoring company	4%	1/1/14	12/31/15	
4	Reporting	Monthly and Final Reports	0%	1/1/14	3/31/16	
<b>B</b>	<b>Category (b): Land Purchase/Easement</b>					
	Not Applicable		0%			
<b>C</b>	<b>Category (c): Planning/Design/Engineering/Environmental Documentation</b>					
1	Community Outreach and Meetings	Copies of flyers and other community meeting notifications	0%	1/1/15	12/31/15	
2	Milestone: Rate Study	Rate Study	0%	1/1/15	3/31/16	
3	Milestone: Water Audit	Water Audit and new tiered billing schedule	0%	1/1/15	3/31/16	
<b>D</b>	<b>Category (d): Construction/Implementation</b>					
1	Mobilization and Site Preparation	Summary of site preparation activities in monthly reports; pre-project site photos	4%	1/1/15	12/31/15	
2	Milestone: Meter Installation	Summary of installation activities in monthly progress report; Photo documentation; Installation completed	4%	1/1/14	12/31/15	
3	Construction Administration	Installation Management Logs; Installation /implementation administration tasks documented in monthly progress reports	4%	1/1/14	12/31/15	
4	Project Performance Monitoring	Water Audit and annual/monthly well production figures	0%	1/1/15	3/31/16	C.2, C.3

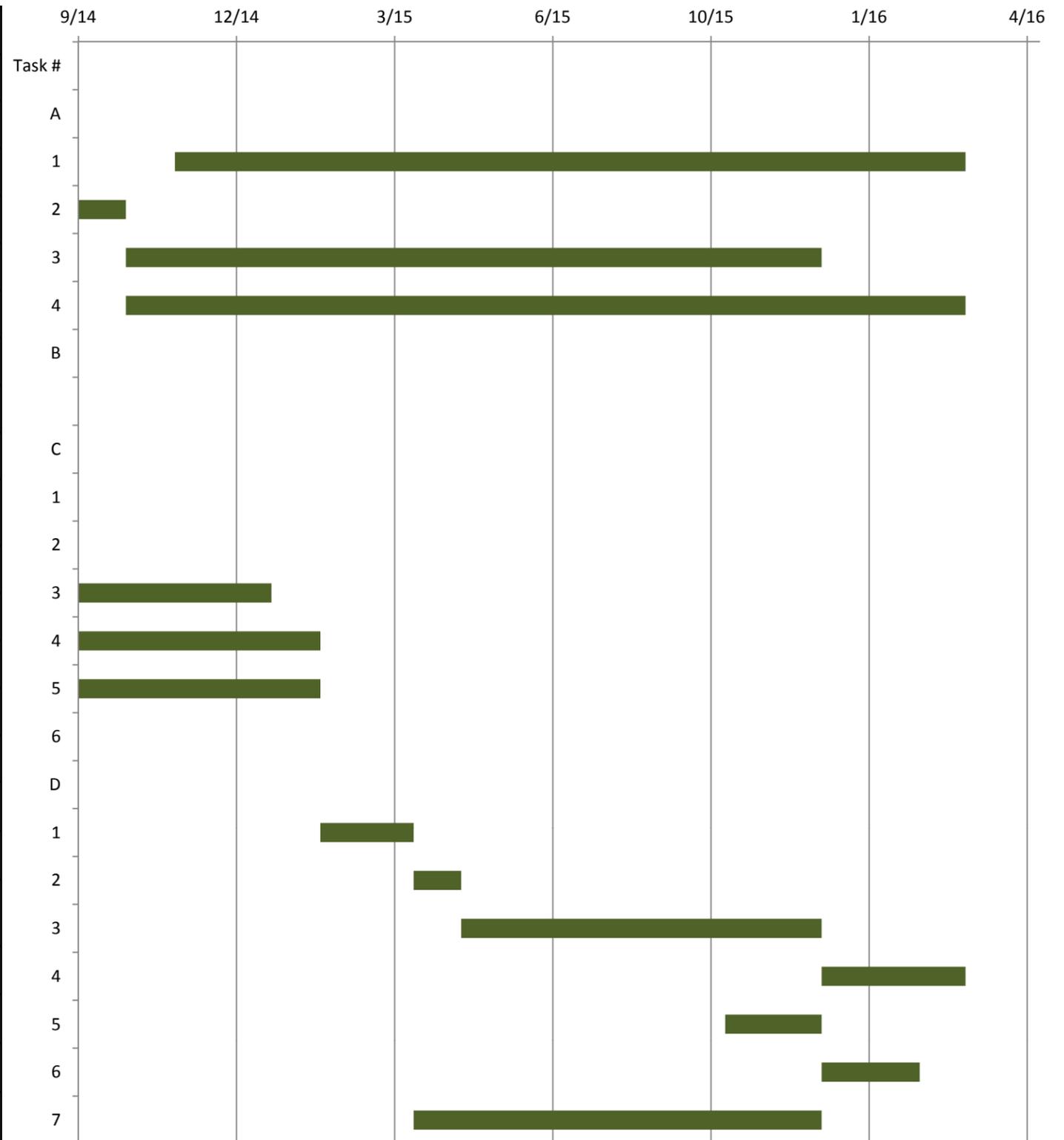


**North Coast Resource Partnership 2014 IRWM Drought Project Grant Application**

**Project Name: Summers Lane Reservoir Project**

**Organization Name: City of Fort Bragg**

Task #	Major Tasks	Major Deliverables	Current Stage of Completion	Start Date	Completion Date	Pre-decessor
<b>A</b>	<b>Category (a): Direct Project Administration</b>					
1	Administration	Invoices, audited financial statements and other deliverables as required	0%	11/1/14	3/15/16	
2	Monitoring Plan	Final Monitoring Plan	0%	9/1/14	10/1/14	
3	Labor Compliance Program	Copy of agreement with Labor Compliance Monitoring company	0%	10/1/14	12/15/15	
4	Reporting	Monthly and Final Reports	0%	10/1/14	3/15/16	
<b>B</b>	<b>Category (b): Land Purchase/Easement</b>					
	N/A		0%			
<b>C</b>	<b>Category (c): Planning/Design/Engineering/Environmental Documentation</b>					
1	Milestone: Final Design /Plans	Final Project Design and Construction Specifications	100%	6/1/09	12/1/09	
2	Milestone: Environmental Documentation	Environmental Information Form; Letter from lead agency stating there were no legal challenges; Approved and adopted CEQA documentation	90%	9/9/13	8/1/14	
3	Right to Divert and Use Water	Right to Divert and Use Water	75%	1/1/14	1/1/15	
4	Timber Harvest Permit	Timber Harvest Permit	25%	9/1/14	2/1/15	
5	DOT Encroachment Permit	DOT Encroachment Permit	0%	9/1/14	2/1/15	
6	Development Permit: Grading	Grading Permit	0%	9/9/13	8/1/14	
<b>D</b>	<b>Category (d): Construction/Implementation</b>					
1	Milestone: Construction	Summary of Bids and Contract Award	0%	2/1/15	4/1/15	C.1, C.2
2	Mobilization and Site Preparation	Summary of site preparation activities in monthly reports; pre-project site photos	0%	4/1/15	5/1/15	
3	Construction	Summary of construction activities in monthly progress report; Photo documentation; Construction completed	0%	5/1/15	12/15/15	C.1, C.2
4	Milestone: Construction Project	As-Built and Record Drawings; Project completion site photos	0%	12/15/15	3/15/16	
5	Re-vegetation	Re-vegetation contract awarded. install irrigation; Completed site repair plan	0%	10/15/15	12/15/15	
6	Project Performance Monitoring	Monthly logs	0%	12/15/15	2/15/16	
7	Construction Management	Construction Management Logs; Completed construction administration tasks documented in monthly progress reports	0%	4/1/15	12/15/15	

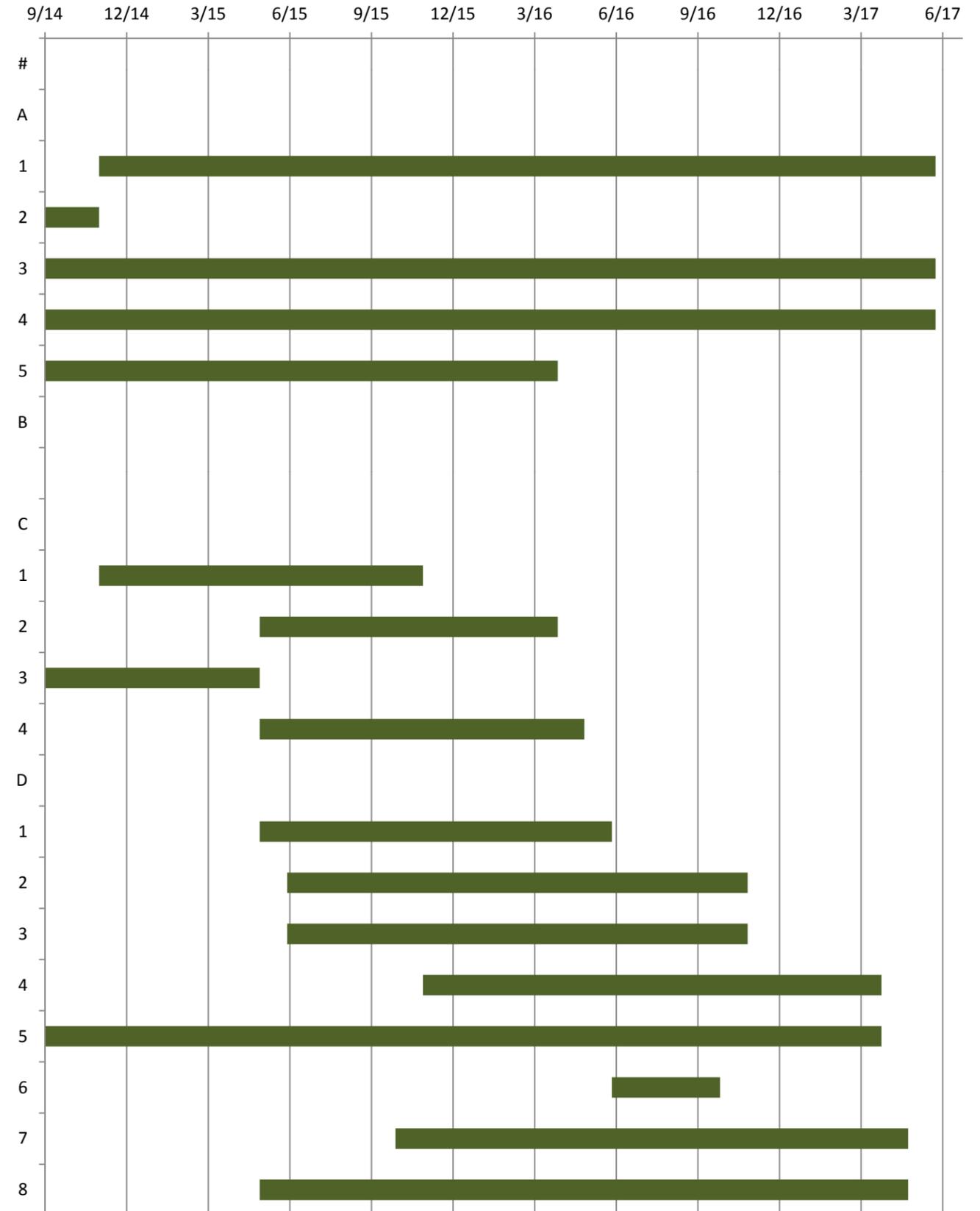


**North Coast Resource Partnership 2014 IRWM Drought Project Grant Application**

**Project Name: The Flow Bank - Protecting Stream Flow in the Gualala River**

**Organization Name: Gualala River Watershed Council**

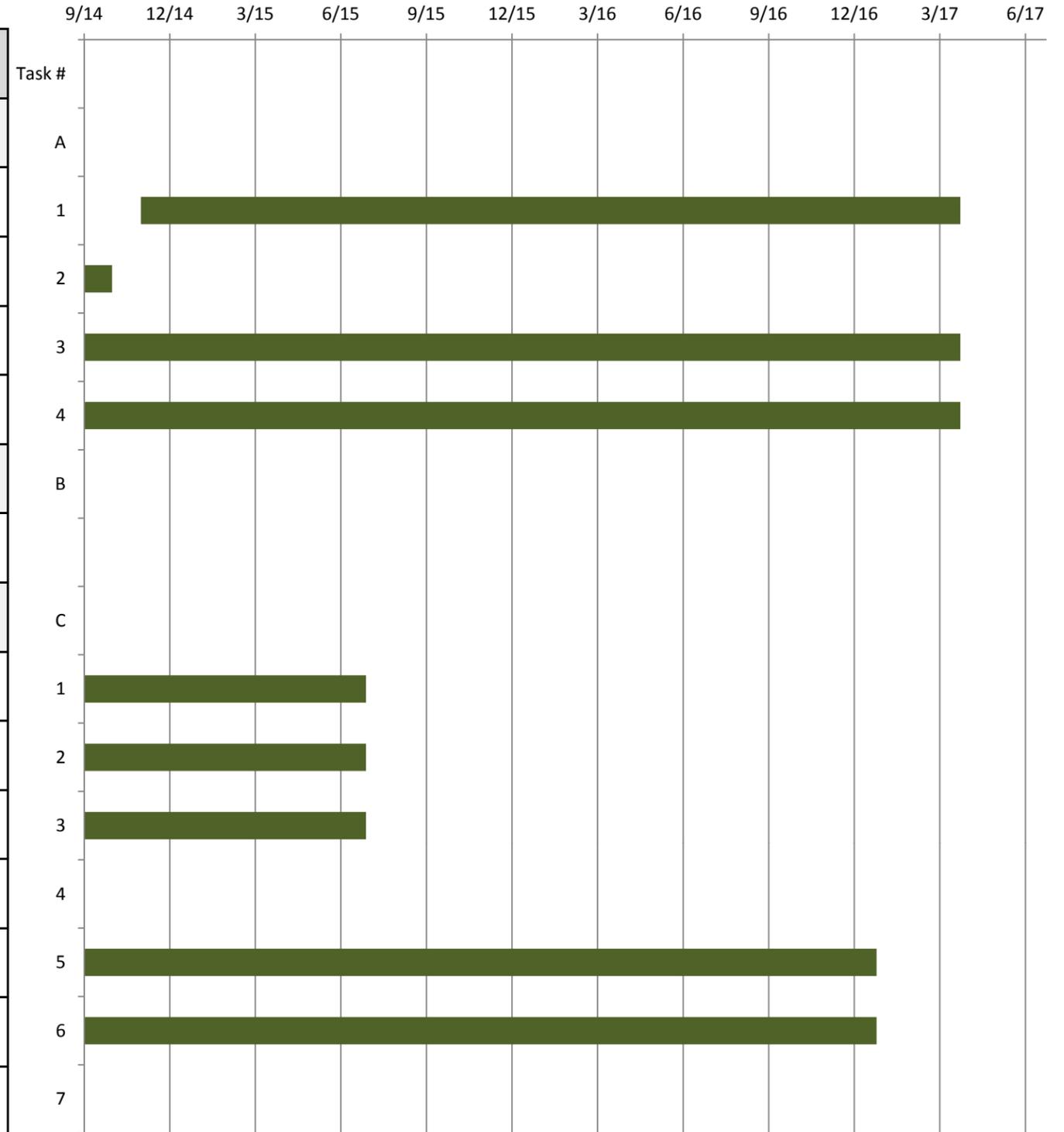
#	Major Tasks	Major Deliverables	Current Stage of Completion	Start Date	Completion Date	Pre-decessor
<b>A</b>	<b>Category (a): Direct Project Administration</b>					
1	Administration	Invoices, audited financial statements and other deliverables as required	0%	11/1/14	6/1/17	
2	Monitoring Plan	Final Monitoring Plan	75%	11/1/12	11/1/14	
3	Labor Compliance Program	Copy of agreement with Labor Compliance Monitoring company	0%	8/1/14	6/1/17	
4	Reporting	Monthly and Final Reports	0%	9/1/14	6/1/17	
5	Landowner Agreements/Contracts	Signed contracts with forbearance agreement	0%	8/1/14	4/1/16	
<b>B</b>	<b>Category (b): Land Purchase/Easement</b>					
			0%			
<b>C</b>	<b>Category (c): Planning/Design/Engineering/Environmental Documentation</b>					
1	Geotechnical /Engineering Planning	Engineering plans for 55,000 gallon tanks stamped by a Licensed Engineer	0%	11/1/14	11/1/15	
2	Milestone: Final Design /Plans	Final Project Design and Construction Specifications	0%	5/1/15	4/1/16	
3	Mendocino County: Coastal Development Permit (CDP)	Mendocino & Sonoma County permits: Coastal Development Permit	2%	8/1/14	5/1/15	
4	Mendocino and Sonoma County: Development Permits	Sonoma & Mendocino County Building & Grading Permits	0%	5/1/15	5/1/16	
<b>D</b>	<b>Category (d): Construction/Implementation</b>					
1	Mobilization and Site Preparation	Summary of site preparation activities in monthly reports; pre-project site photos	0%	5/1/15	6/1/16	
2	Project Construction: Install fifty-five 5,000 gallon rainwater catchment tanks	Summary of construction activities in monthly progress report; Photo documentation; Construction Completion reports.	0%	6/1/15	11/1/16	A.5, C.2
3	Project Construction: Install 7, 55,000 gallon commercial storage and forbearance systems	Summary of construction activities in monthly progress report; Photo documentation; Construction Completion reports.	0%	6/1/15	11/1/16	A.5, C.2
4	Milestone: Construction Project Close Out, Inspection & Demobilization	As-Built and Record Drawings; Project completion site photos	0%	11/1/15	4/1/17	
5	Develop Outreach Workshops and Materials	Outreach fliers and materials, attendance lists, presentation materials, workshop evaluations	25%	8/1/14	4/1/17	
6	Milestone: Landowner Contract Compliance	Landowner water usage annual reports.	0%	6/1/16	10/1/16	
7	Project Performance Monitoring	Temperature, flow and channel monitoring reports.	0%	10/1/15	5/1/17	
8	Construction Contingency		0%	5/1/15	5/1/17	



**North Coast Resource Partnership 2014 IRWM Drought Project Grant Application**

**Project Name: Mattole Flow Program: Storage and Forbearance**  
**Organization Name: Sanctuary Forest Inc.**

Task #	Major Tasks	Major Deliverables	Current Stage of Completion	Start Date	Completion Date	Pre-decessor
<b>A</b>	<b>Category (a): Direct Project Administration</b>					
1	Administration	Invoices, audited financial statements and other deliverables as required	5%	11/1/14	3/31/17	
2	Monitoring Plan	Final Monitoring Plan	50%	6/1/14	10/1/14	
3	Labor Compliance Program	Copy of agreement with Labor Compliance Monitoring company	50%	1/1/10	3/31/17	
4	Reporting	Monthly and Final Reports	5%	3/1/14	3/31/17	
<b>B</b>	<b>Category (b): Land Purchase/Easement</b>					
			0%			
<b>C</b>	<b>Category (c): Planning/Design/Engineering/Environmental Documentation</b>					
1	Milestone: Forbearance Agreements	Copies of 5 Forbearance Agreements	30%	1/1/13	7/1/15	
2	Milestone: Water Management Plans	Copies of 5 Water Management Plans	30%	1/1/13	7/1/15	
3	Milestone: Final Site Design /Plans	Copies of 5 Final Project Design and Construction Specifications	30%	1/1/13	7/1/15	
4	Environmental Documentation: CEQA	Environmental Information Form; Letter from lead agency stating there were no legal challenges; Approved and adopted CEQA-MND documentation	100%	2/1/13	2/1/14	
5	Permit Development: CDFW 1602	CDFW 1602 Agreement	30%	1/1/13	12/31/16	
6	Forbearance recordation (SFI): water rights modifications and small domestic registrations	Final copies of documents	10%	1/1/13	12/31/16	
7	Permit Development- Botanical/archaeological clearance	Final environmental documents	10%	5/15/13	7/1/14	

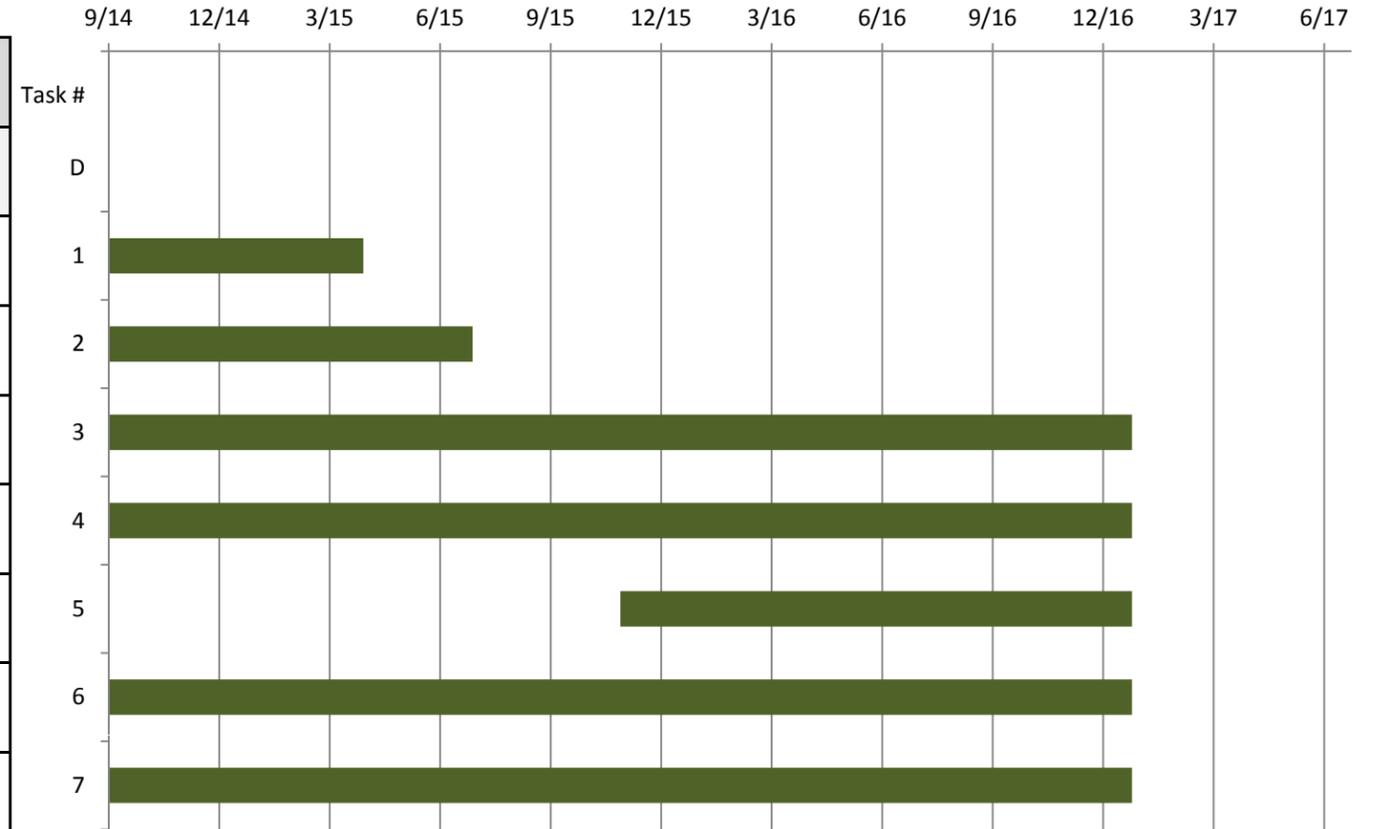


**North Coast Resource Partnership 2014 IRWM Drought Project Grant Application**

**Project Name: Mattole Flow Program: Storage and Forbearance**

**Organization Name: Sanctuary Forest Inc.**

Task #	Major Tasks	Major Deliverables	Current Stage of Completion	Start Date	Completion Date	Pre-decessor
D	<b>Category (d): Construction/Implementation</b>					
1	Construction Contracting	Summary of Bids and Contract Award	20%	4/1/14	4/1/15	C.1, C.2, C.3, C.4
2	Mobilization and Site Preparation	Summary of site preparation activities in monthly reports; pre-project site photos	20%	6/1/14	7/1/15	
3	Project Construction: Water Storage System Installation	Summary of construction activities in monthly progress report; Photo documentation; Construction completed	5%	3/1/14	12/31/16	C.1, C.2, C.3, C.4
4	Project Construction: Pump Intake Screen installation	Summary of construction activities in monthly progress report; Photo documentation; Construction completed	5%	3/1/14	12/31/16	C.1, C.2, C.3, C.4
5	Milestone: Construction Project Close Out, Inspection & Demobilization	As-Built and Record Drawings; Project completion site photos	0%	11/1/15	12/31/16	
6	Milestone: Project Performance Monitoring - Landowner monitoring of forbearance program	Copy of 5 (1 each) annual landowner monitor summary reports. As-Built and Record Drawings; Project completion site photos.	10%	3/1/14	12/31/16	
7	Project Performance Monitoring: Streamflow monitoring for operation of forbearance program	Copy of annual streamflow summary report	10%	3/1/14	12/31/16	

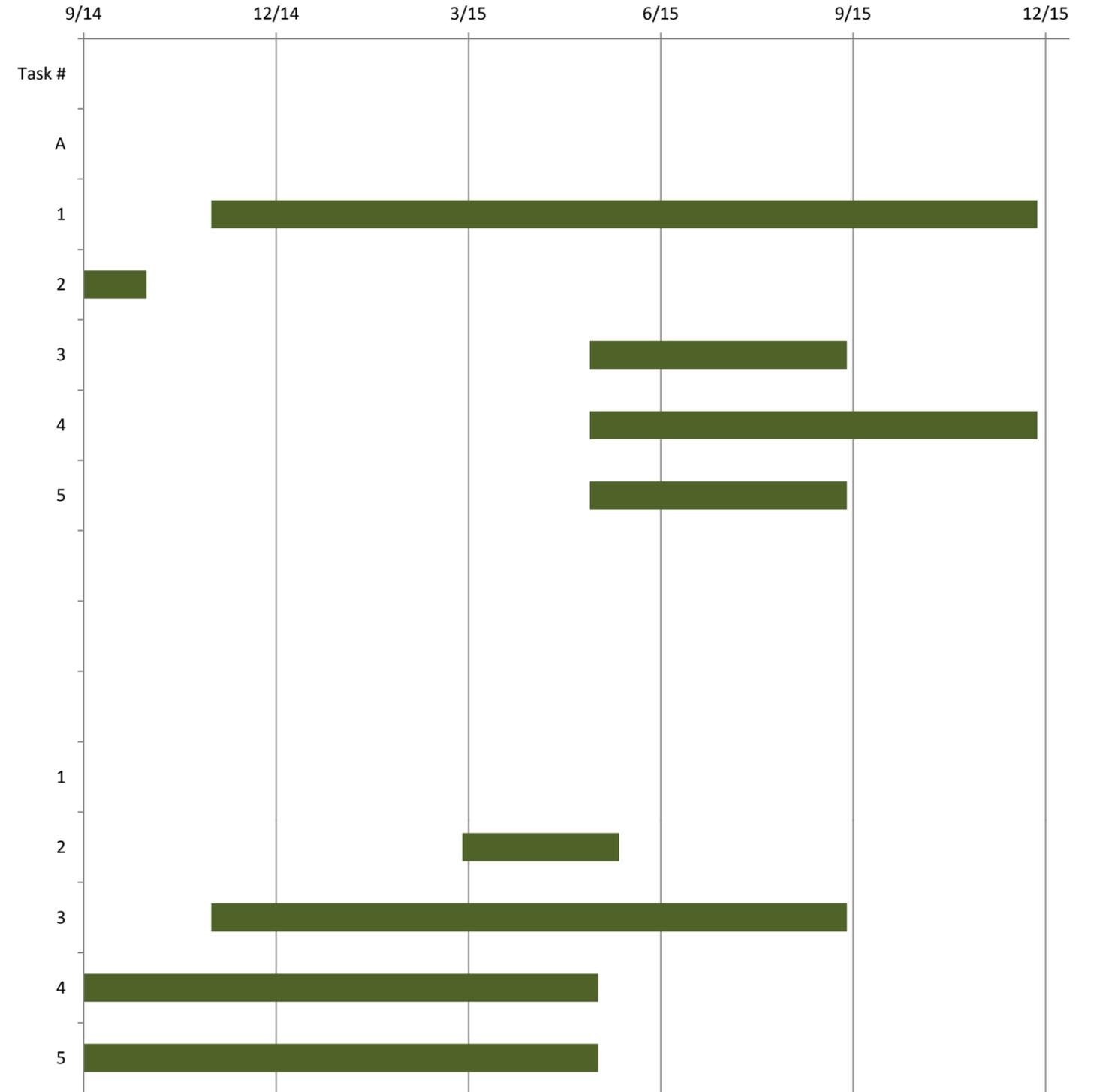


**North Coast Resource Partnership 2014 IRWM Drought Project Grant Application**

**Project Name: Weitchpec Water Station**

**Organization Name: Yurok Tribe**

Task #	Major Tasks	Major Deliverables	Current Stage of Completion	Start Date	Completion Date	Pre-decessor
<b>A</b>	<b>Category (a): Direct Project Administration</b>					
1	Administration	Invoices, audited financial statements and other deliverables as required	0%	11/1/14	12/1/15	
2	Monitoring Plan	Final Monitoring Plan	5%	9/1/14	10/1/14	
3	Labor Compliance Program	Copy of agreement with Labor Compliance Monitoring company	0%	5/1/15	9/1/15	
4	Reporting	Monthly and Final Reports		5/1/15	12/1/15	
5	Tribal Administration/IHS	Invoices with matching funds documented	10%	5/1/15	9/1/15	
	<b>Category (b): Land Purchase/Easement</b>					
			0%			
	<b>Category (c): Planning/Design/Engineering/Environmental Documentation</b>					
1	Engineering Design	Preliminary Engineering Report, Specification, and Cost Estimate for Construction	100%	1/8/14	5/15/14	
2	Telluric Current Groundwater Study	Geotechnical Study	75%	3/1/15	5/15/15	
3	Milestone: Groundwater Management Plan	DWR approved Groundwater Management Plan	0%	11/1/14	9/1/15	
4	NEPA Development	Final FONSI and Record of Decision; NEPA Permit/Site Investigation (2 sites)	100%	5/1/14	5/5/15	
5	Environmental Documentation: CEQA	Environmental Information Form; Letter from lead agency stating there were no legal challenges; Approved and adopted CEQA documentation	0%	4/1/14	5/5/15	

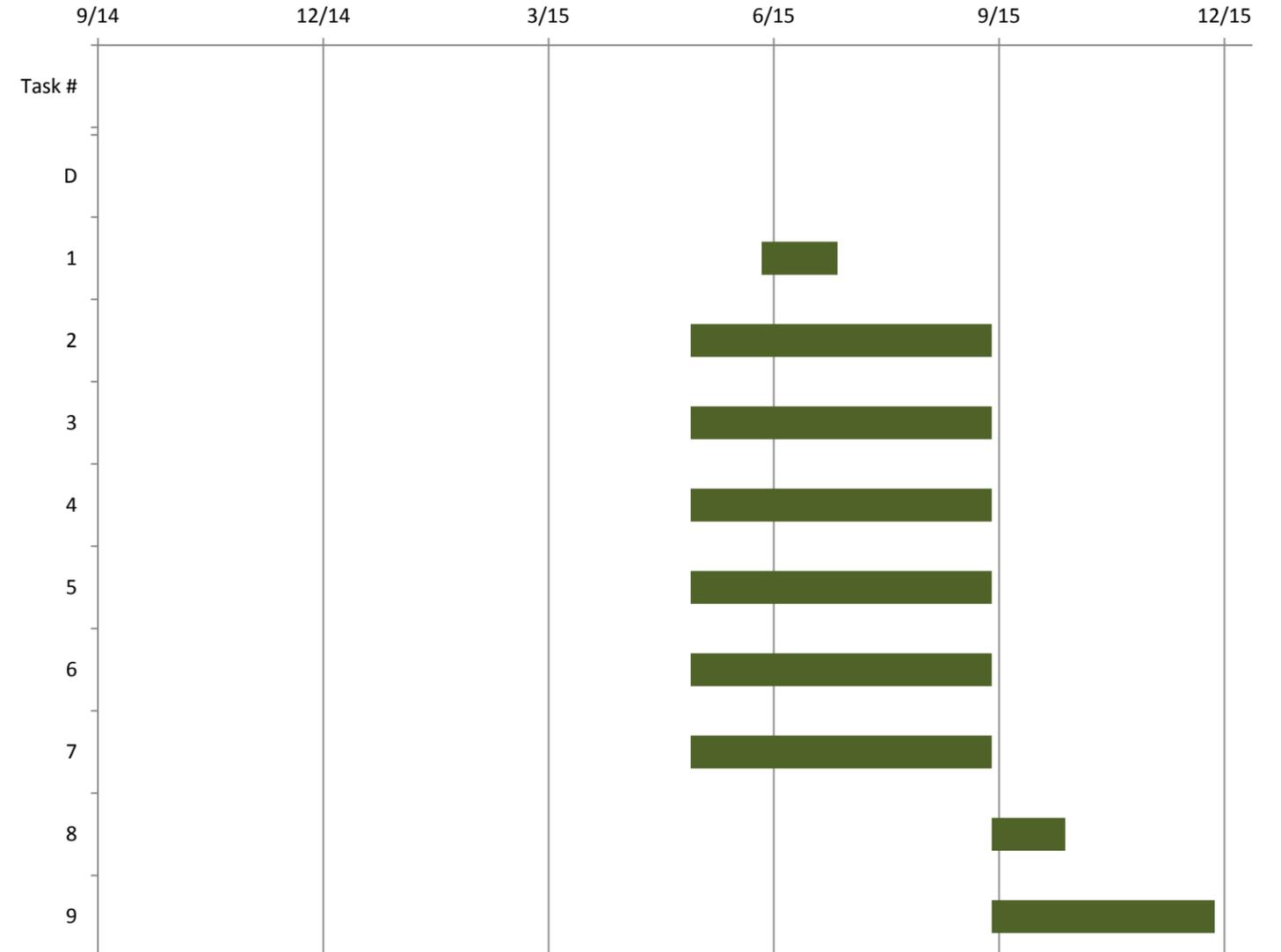


**North Coast Resource Partnership 2014 IRWM Drought Project Grant Application**

**Project Name: Weitchpec Water Station**

**Organization Name: Yurok Tribe**

Task #	Major Tasks	Major Deliverables	Current Stage of Completion	Start Date	Completion Date	Pre-decessor
D	<b>Category (d): Construction/Implementation</b>					
1	Milestone: Construction Contracting	Summary of Bids and Contract Award	0%	5/30/15	6/30/15	A.1, C.1
2	Mobilization and Site Preparation	Summary of site preparation activities in monthly reports; pre-project site photos	0%	5/1/15	9/1/15	
3	Order project equipment and supplies	Summary of site preparation activities in monthly reports	0%	5/1/15	9/1/15	
4	Project Construction	Summary of construction activities in monthly progress report; Photo documentation; Construction completed	0%	5/1/15	9/1/15	A.1, C.1
5	Well Quality Testing	Well Quality Testing Report	0%	5/1/15	9/1/15	
6	Well Disinfection Analysis	Well Disinfection and Bacteriological Analysis Report	0%	5/1/15	9/1/15	
7	Archaeological Monitoring	Archaeological Monitoring Report	0%	5/1/15	9/1/15	
8	Milestone: Construction Project Close Out, Inspection & Demobilization	As-Built and Record Drawings; Project completion site photos	0%	9/1/15	10/1/15	
9	Project Performance Monitoring	Water Station annual reports	0%	9/1/15	12/1/15	

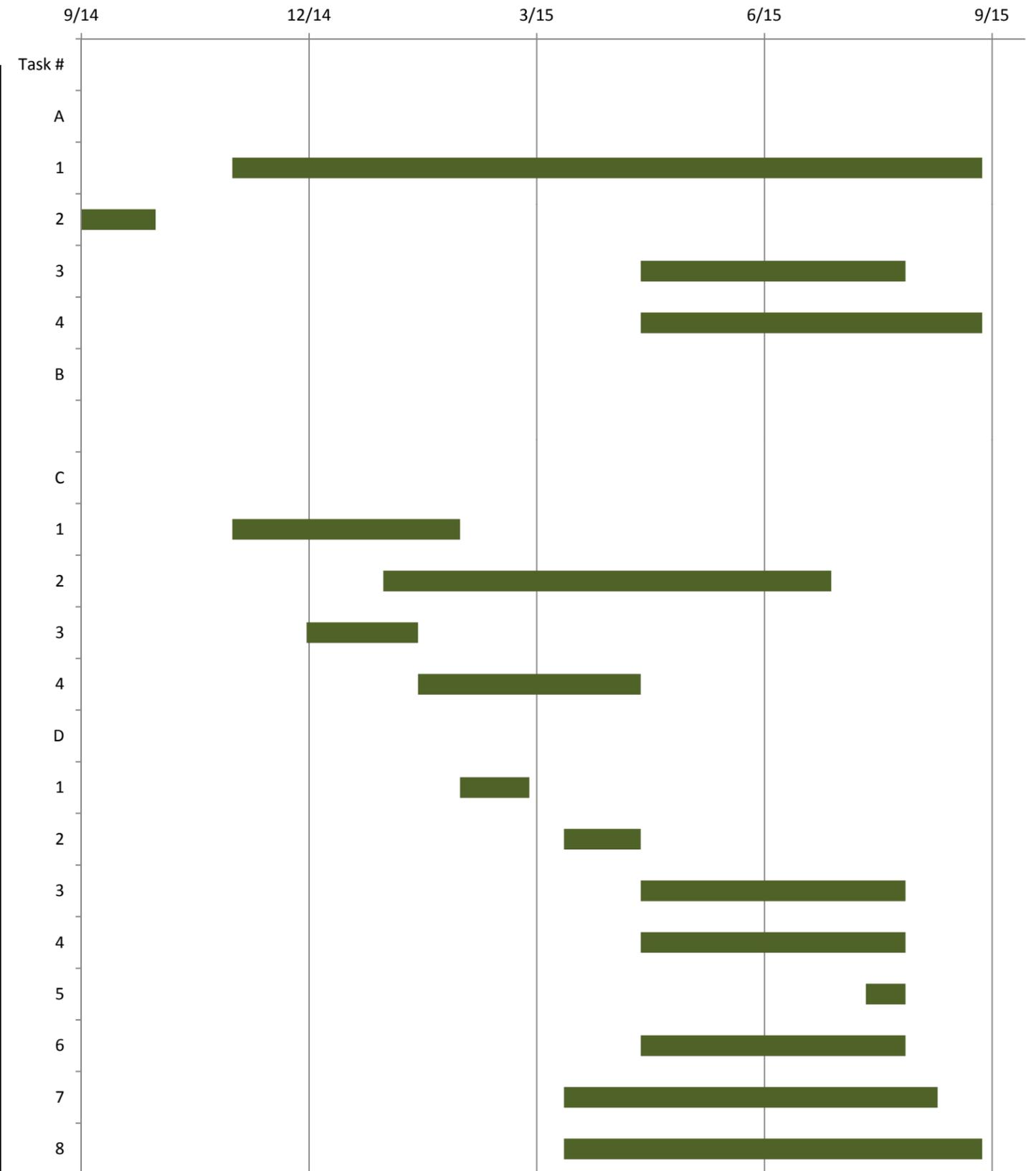


**North Coast Resource Partnership 2014 IRWM Drought Project Grant Application**

**Project Name: Westhaven Community Services District Water Loss Reduction Project**

**Organization Name: Westhaven Community Services District**

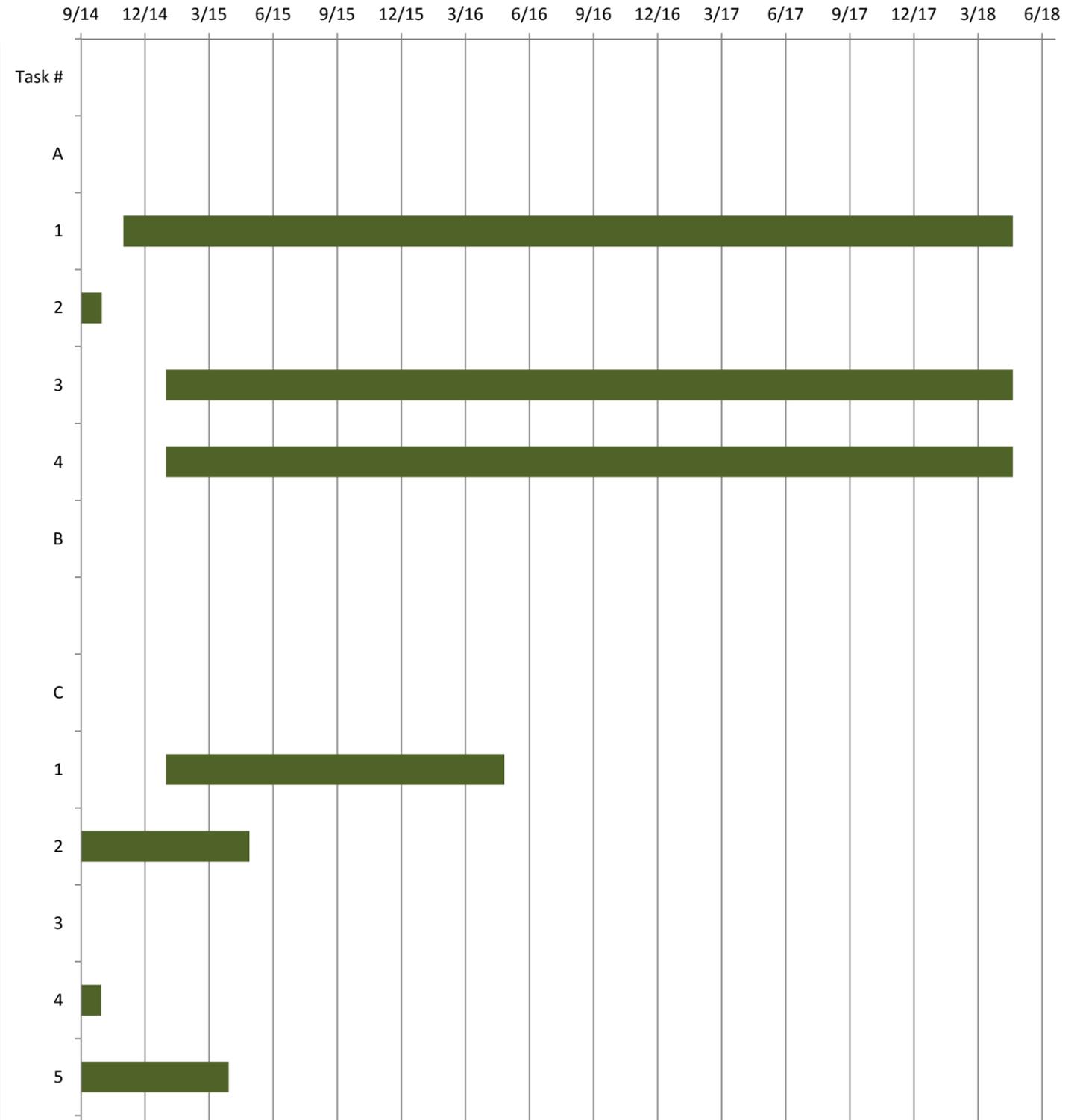
Task #	Major Tasks	Major Deliverables	Current Stage of Completion	Start Date	Completion Date	Pre-decessor
<b>A</b>	<b>Category (a): Direct Project Administration</b>					
1	Administration	Invoices, audited financial statements and other deliverables as required	0%	11/1/14	8/31/15	
2	Monitoring Plan	Final Monitoring Plan	0%	9/1/14	10/1/14	
3	Labor Compliance Program	Copy of agreement with Labor Compliance Monitoring company	0%	4/15/15	7/31/15	
4	Reporting	Monthly and Final Reports	0%	4/15/15	8/31/15	
<b>B</b>	<b>Category (b): Land Purchase/Easement</b>					
<b>C</b>	<b>Category (c): Planning/Design/Engineering/Environmental Documentation</b>					
1	Milestone: Final Design /Plans	Final Project Design and Construction Specifications	0%	11/1/14	2/1/15	
2	Milestone: Environmental Documentation - CEQA	Environmental Information Form; Notice of Exemption Letter from lead agency stating there were no legal challenges	50%	1/1/15	7/1/15	
3	Permit Development: Humboldt County	Humboldt County Encroachment Permit	0%	12/1/14	1/15/15	
4	Coastal Development Permit	Final Coastal Development Permit	0%	1/15/15	4/15/15	
<b>D</b>	<b>Category (d): Construction/Implementation</b>					
1	Milestone: Construction Contracting	Summary of Bids and Contract Award	0%	2/1/15	3/1/15	C.1, C.2
2	Mobilization and Site Preparation	Summary of site preparation activities in monthly reports; pre-project site photos	0%	3/15/15	4/15/15	
3	Project Construction	Summary of construction activities in monthly progress report; Photo documentation; Construction completed	0%	4/15/15	7/31/15	C.1, C.2
4	Materials Testing and Construction Observation	Test results are to be delivered to the County and the District	0%	4/15/15	7/31/15	
5	Milestone: Construction Project Close Out, Inspection	As-Built and Record Drawings; Project completion site photos	0%	7/15/15	7/31/15	
6	Native American Cultural Observer	Native American Cultural Observer Report	0%	4/15/15	7/31/15	
7	Project Performance Monitoring	Monitoring reports and water usage analysis report. The District already performs these	0%	3/15/15	8/13/15	
8	Construction Administration	Construction Management Logs; Completed construction administration tasks documented in monthly progress reports.	0%	3/15/15	8/31/15	



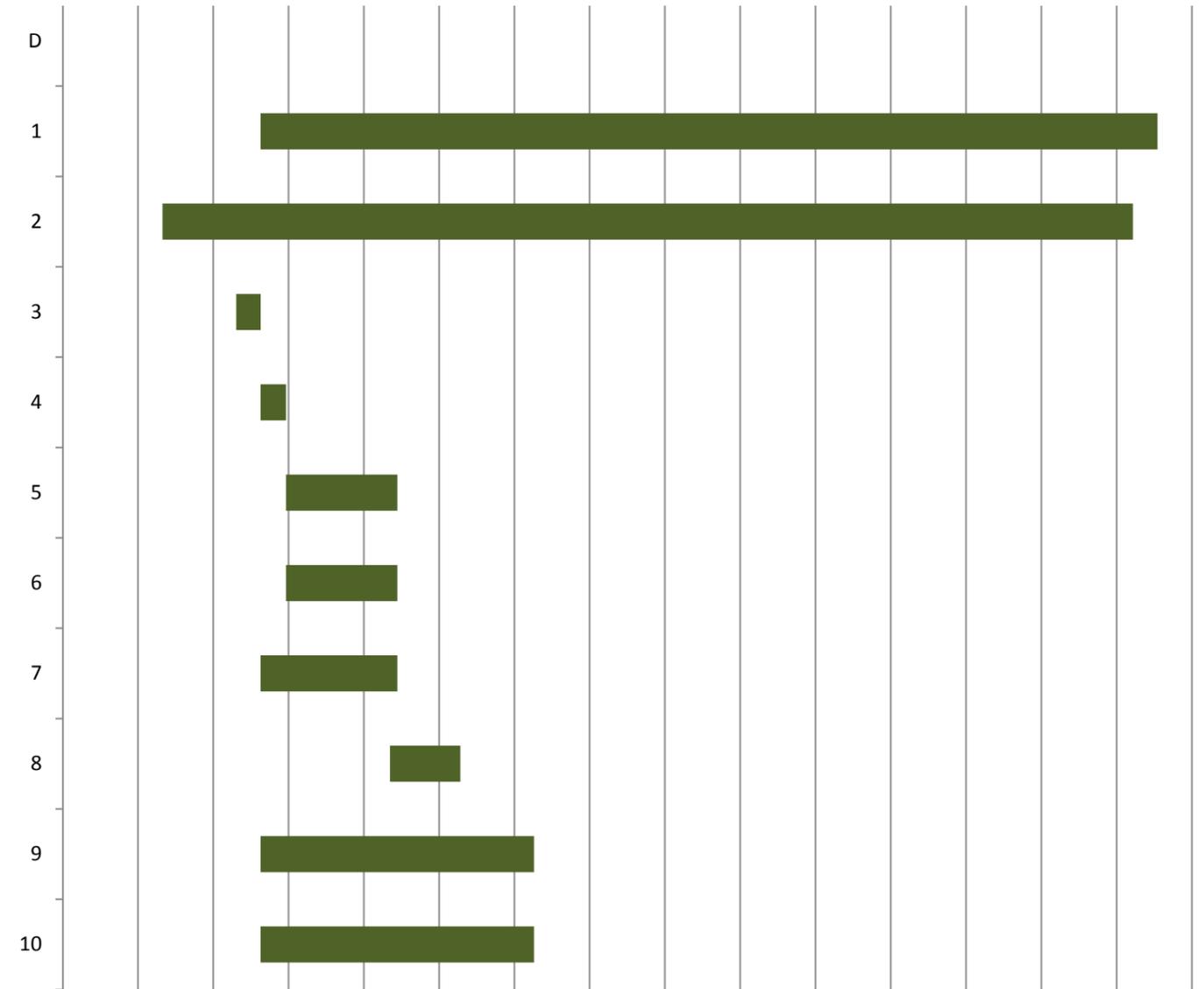
**North Coast Resource Partnership 2014 IRWM Drought Project Grant Application**

**Project Name: Agricultural Water Conservation and Water Supply Reliability Program - Russian and Navarro River Watersheds**  
**Organization Name: Ca. Land Stewardship Institute (CLSI)**

Task #	Major Tasks	Major Deliverables	Current Stage of Completion	Start Date	Completion Date	Pre-decessor
<b>A</b>	<b>Category (a): Direct Project Administration</b>					
1	Administration	Invoices, audited financial statements and other deliverables as required	0%	11/1/14	5/1/18	
2	Monitoring Plan	Final Monitoring Plan	0%	9/1/14	10/1/14	
3	Labor Compliance Program	Copy of agreement with Labor Compliance Monitoring company	0%	1/1/15	5/1/18	
4	Reporting	Monthly and Final Reports	0%	1/1/15	5/1/18	
<b>B</b>	<b>Category (b): Land Purchase/Easement</b>					
			0%			
<b>C</b>	<b>Category (c): Planning/Design/Engineering/Environmental Documentation</b>					
1	Landowner Agreements and Outreach: Soil Moisture Monitoring	Sites selected for instrumentation. Signed Landowner Agreements	0%	1/1/15	5/1/16	
2	Milestone: Final Design /Plans	Final 100% engineering design plans and specifications	0%	6/1/14	5/1/15	
3	Milestone: Environmental Documentation - CEQA	Environmental Information Form; Letter from lead agency stating there were no legal challenge; Approved & adopted CEQA documentation	100%		6/5/13	
4	Salt and Nutrient Plan and Permit	Salt and Nutrient Plan and final permit	70%		9/30/14	
5	Development Permits	Permits	0%		4/1/15	



D Category (d): Construction/Implementation						
1	Workshops and Technical Assistance: monitoring data for water savings	Workshop attendance lists, workshop materials, evaluations	0%	5/1/15	5/1/18	
2	Install soil moisture monitoring instruments	Listing of participating farms, photo documentation	0%	1/1/15	4/1/18	C.1
3	Milestone: Construction Contracting	Summary of Bids and Contract Award	0%	4/1/15	5/1/15	C.2, C.3
4	Mobilization and Site Preparation	Summary of site preparation activities in monthly reports; pre-project site photos	0%	5/1/15	6/1/15	
5	Project Construction: Install pipelines	Summary of construction activities in monthly progress report; Photo documentation; Construction completed	0%	6/1/15	10/15/15	C.2, C.3
6	Project Construction: Install pump station	Summary of construction activities in monthly progress report; Photo documentation; Construction completed	0%	6/1/15	10/15/15	C.2, C.3
7	Project Construction: Construct storage pond	Summary of construction activities in monthly progress report; Photo documentation; Construction completed	0%	5/1/15	10/15/15	C.2, C.3
8	Milestone: Construction Project Close Out, Inspection & Demobilization	As-Built and Record Drawings; Project completion site photos	0%	10/6/15	12/31/15	
9	Project Performance Monitoring	Summary memo on results of project performance monitoring	0%	5/1/15	3/30/16	
10	Construction Administration	Construction Management Logs; Completed construction administration tasks documented in monthly progress reports	0%	5/1/15	3/30/16	

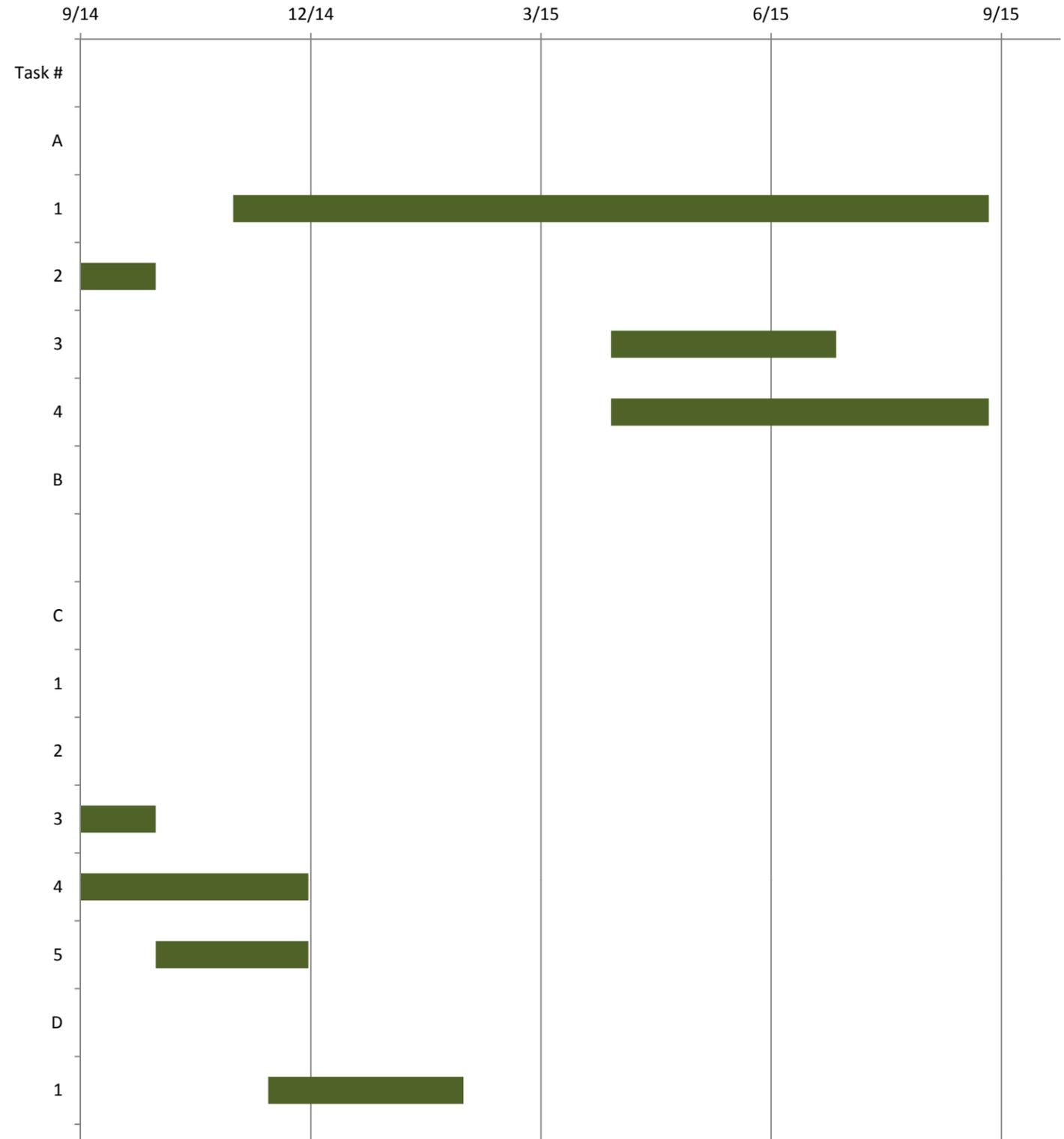


**North Coast Resource Partnership 2014 IRWM Drought Project Grant Application**

**Project Name: Elevated Water Tank Rehabilitation**

**Organization Name: Crescent City**

Task #	Major Tasks	Major Deliverables	Current Stage of Completion	Start Date	Completion Date	Pre-decessor
<b>A</b>	<b>Category (a): Direct Project Administration</b>					
1	Administration	Invoices, audited financial statements and other deliverables as required	0%	11/1/14	8/30/15	
2	Monitoring Plan	Final Monitoring Plan	0%	9/1/14	10/1/14	
3	Labor Compliance Program	Copy of agreement with Labor Compliance Monitoring company	0%	4/1/15	6/30/15	
4	Reporting	Monthly and Final Reports	0%	4/1/15	8/30/15	
<b>B</b>	<b>Category (b): Land Purchase/Easement</b>					
			0%			
<b>C</b>	<b>Category (c): Planning/Design/Engineering/Environmental Documentation</b>					
1	Evaluation, Inspection and Work Scope	Evaluation, Inspection and Work Scope	100%	4/12/13	8/6/13	
2	Geotechnical Investigation	Final Geotechnical Investigation Stamped by a Licensed Geotechnical Engineer	100%	5/11/14	5/30/14	
3	Milestone: Final Design /Plans	Final Project Design and Construction Specifications	0%	7/1/14	10/1/14	
4	Milestone: Environmental Documentation - CEQA	Environmental Information Form; Letter from lead agency stating there were no legal challenges; Approved and adopted CEQA documentation	0%	7/1/14	12/1/14	
5	Development Permits	Del Norte County Building Permit	0%	10/1/14	12/1/14	
<b>D</b>	<b>Category (d): Construction/Implementation</b>					
1	Milestone: Construction Contracting	Summary of Bids and Contract Award	0%	11/15/14	2/1/15	C.3, C.4
2	Mobilization and Site Preparation	Summary of site preparation activities in monthly reports; pre-project site photos	0%	3/15/15	4/1/15	

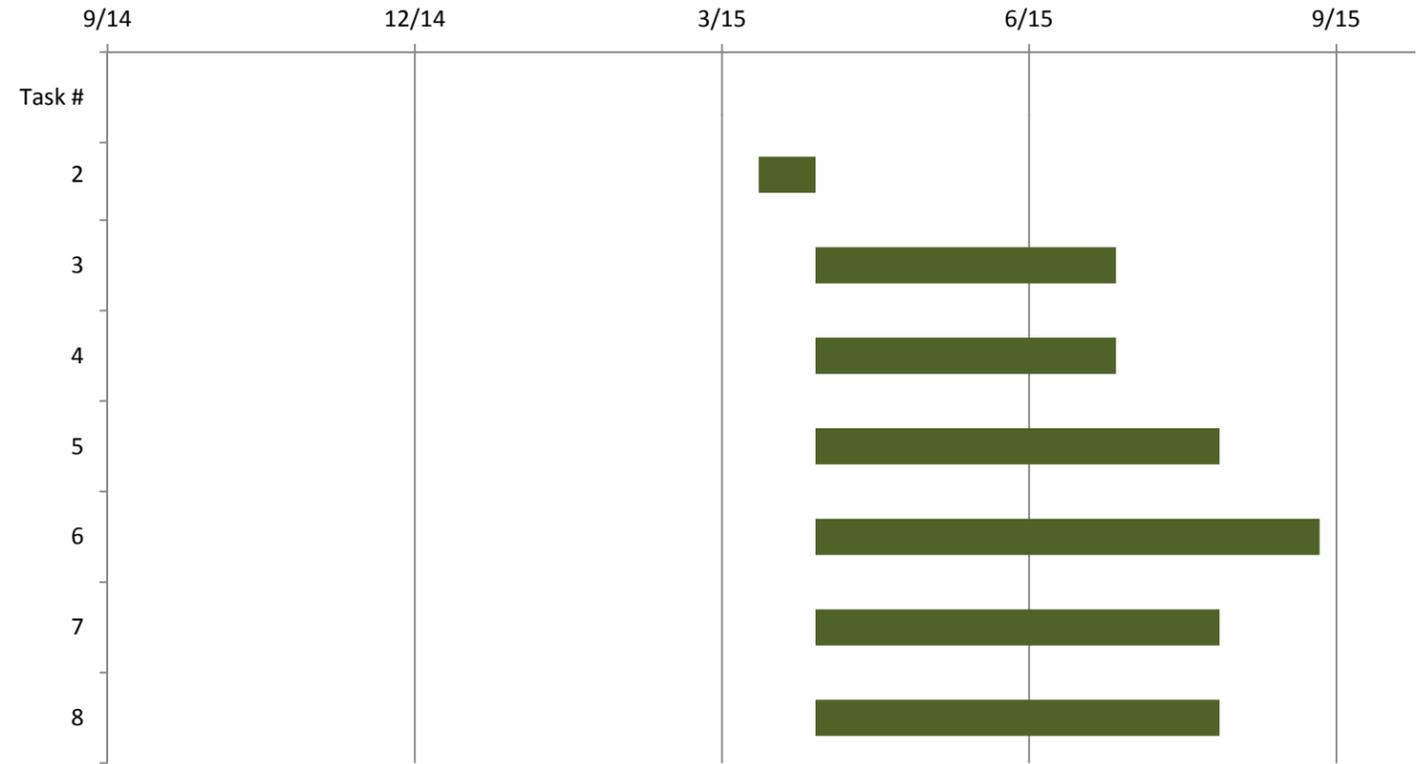


**North Coast Resource Partnership 2014 IRWM Drought Project Grant Application**

**Project Name: Elevated Water Tank Rehabilitation**

**Organization Name: Crescent City**

Task #	Major Tasks	Major Deliverables	Current Stage of Completion	Start Date	Completion Date	Pre-decessor
3	Project Construction: Setup Temporary Pressure Control System; Safety & Code Updates; Preservation & Coatings	Setup temporary Pressure Control System; Safety and Code Updates; Preservation and Coatings; Summary of construction activities in monthly progress report; Photo documentation; Construction completed	0%	4/1/15	6/30/15	C.3, C.4
4	Project Construction: Seismic Upgrade Steel Structure, Foundation and Footings	Summary of construction activities in monthly progress report; Photo documentation; Construction completed	0%	4/1/15	6/30/15	C.3, C.4
5	Milestone: Construction Project Close Out, Inspection & Demobilization	As-Built and Record Drawings; Project completion site photos	0%	4/1/15	7/31/15	
6	Project Performance Monitoring	All monitoring will be documented in an inspection log.	0%	4/1/15	8/30/15	
7	Construction Administration	Construction Management Logs; Completed construction administration tasks documented in monthly progress reports	0%	4/1/15	7/31/15	
8	Contingency	Contingency (10%)	0%	4/1/15	7/31/15	



## **North Coast Resource Partnership 2014 IRWM Drought Project Grant Application**

### **Attachment 6. Schedule Justification**

**Project Name: Rio Dell and Scotia Community Service District Emergency Water Intertie**

**Organization Name: City of Rio Dell**

**Schedule Justification:** Through careful planning based on recent and relevant experience the major task list and project schedule were developed, which are believed to be realistic, reasonable and accomplishable. The proposed task list and schedule for the project was developed from the Rio Dell and Scotia CSD Emergency Intertie Timeline Analysis, included as additional information. This analysis charted the major tasks of the project based on an anticipated funding award date. The table projected assumed durations for each major task and order of anticipated occurrence. The assumed length of time each task would take was based on experience by Rio Dell and its City Engineer, GHD Inc. The City and GHD have a strong background in this type of work as Rio Dell, within the last year, completed construction of its new Waste Water Treatment Plant (WWTP) and Pipeline, which included a section of pipeline which was horizontally directionally drilled(HDD) under the Eel River, similar to this project. As City Engineer GHD (formerly Winzler and Kelly) has lengthy experience in planning, designing and constructing water infrastructure in Rio Dell. Also, as City Engineer GHD assisted Rio Dell in the environmental compliance and permitting phase of the WWTP project. GHD has recently completed a water pipeline HDD project in Meyers Flat, funded by CDPH funds, and planned, design and constructed or is constructing intertie projects between; Eureka and Arcata; the Humboldt Bay Municipal Water District and Arcata; Arcata and McKinleyville, as well as other water pipeline and HDD projects throughout Humboldt County. This recent experience with grant administration, planning, design, environmental compliance, permitting and construction was used to develop a realistic and accomplishable schedule.

Additionally there will not be any schedule delay in hiring a consultant to execute this project as Rio Dell already has a City Engineer under contract through a competitively selected process, who has worked with Rio Dell to identify the project, completed the preliminary alignment evaluation and has experience specifically with this type of water infrastructure work.

Rio Dell is pursuing multiple funding sources to complete project construction including the California Department of Public Health, US Department of Agriculture and Hazard Mitigation funds. As construction is not scheduled to commence until July of 2015 it is anticipated that there is adequate time to acquire funding for the entire project.

**Project Name: Ukiah Valley-Redwood Valley Water Supply Reliability Intertie and Well Development Project**

**Organization Name: City of Ukiah**

**Schedule Justification:** The schedule for this project is realistic as portions of the interties being funded by this grant are partially or fully designed. The remaining design will be of a minimal scale. In addition, all of the interties are in the public right of way or easements are already in place. The intertie connecting RVCWD and CCWD is almost complete and funds expended by RVCWD are part of the non-state match component. The City of Ukiah Well Design is underway for new Well #9. A Categorical Exemption for CEQA was filed with the County Recorder on June 5, 2014. The CEQA component for the intertie portion of the project is anticipated to be minimal and portions of the infrastructure are already in place for CCWD/MCWD, MCWD/COU and COU/WCWD.

**Project Name: Sonoma-Mendocino Immediate Drought Relief Project**

**Organization Name: Sonoma County Water Agency**

**Schedule Justification:** For more than 14 years, the Water Agency has administered water conservation campaigns featuring rebate programs, high efficiency fixture direct installation, and turf removal programs throughout its service area. Since early 2000, the Water Agency has directed turf removal programs for many of the Water Agency's water contractors. Water Agency staff processed applications, worked with homeowners to ensure turf was removed and verified the installation of water efficient plants and irrigation systems before payouts were made. In 2009/2010 (the first year of the high efficiency fixture direct installation program) over 5000 toilets were installed in a period of eight months. The Water Agency's many years of experience and its continual refinement of these programs will ensure the success of the Sonoma Mendocino Immediate Drought Relief Program.

**Project Name: Meter Installation**

**Organization Name: Lewiston Park Mutual Water Company**

**Schedule Justification:** Lewiston Park Mutual Water Company (LPMWC) believes that the schedule of a maximum of 200 days is a realistic time frame for meter installation. The Operations Manager has nearly 15 years of experience in the water industry, including installation of meters; the Operator-in-Training has had seven months of training to date and will be taking the T1/D1 test this fall and is under the direct supervision of the Operations Manager. The incentive for meter installation is high as the peak dry months are at hand. As meters are installed, they are read and will be read every subsequent month to begin the rate study. Meter installation is LPMWC's highest priority.

**Project Name: Summers Lane Reservoir Project****Organization Name: City of Fort Bragg**

**Schedule Justification:** The Project Schedule is both expedited and realistic, responding to Fort Bragg's urgent need for water storage. The Summers Lane Reservoir project has been fully designed and the environmental document (Mitigated Negative Declaration) and grading permit are expected to be approved in late July 2014. In March 2014, a change petition was submitted to the State Water Resources Control Board to authorize storage of water in the new reservoir. The Board is expediting its review of the change petition and it is expected to be issued later this year. The City has reviewed and concurred with the draft conditions of the amended license. Approval of the Timber Harvest Plan and an encroachment permit from the County Department of Transportation will be obtained this fall. If funding is secured, the Project can easily be put out to bid early next year and constructed in an 8 month timeframe.

**Project Name: The Flow Bank - Protecting Stream Flow in the Gualala River****Organization Name: Gualala River Watershed Council**

The Gualala River Watershed Council (GRWC) has 16 years of experience of implementing restoration and monitoring programs within the watershed. GRWC's implementation qualifications and experience include:

- The GRWC worked with Gualala Redwoods, Inc. to install tanks throughout the 30,000 acre property to develop a water diversion forbearance program to lessen low flow water drafting impacts to provide a summertime water supply for road restoration work.
- In partnership with the watershed community created The Flow Bank program and developed a pilot project for five (5) residential rainwater catchment systems. GRWC partner contractors are highly experience in the installation of rain water harvesting tanks and forbearance water tanks and have worked closely with us to develop this program.
- Over the past decade the GRWC has managed and implemented over \$2, 500,000 in construction projects for both upslope and in-stream restoration within the watershed.

Additionally, all project participants have been identified and submitted informal agreements and water use surveys. Formal contracts will be signed upon completion of site visits. No permits are required for the installation of 5,000 gallon tanks. Estimated time for permits requiring a coastal development permit by the Coastal Commission is six months. The one tank in the coastal zone is currently in the permitting process for a larger development project that can be amended to include a 55,000 water storage tank. All other tanks requiring a permit are located outside the coastal zone.

GRWC has long-standing relationships with the project partners and agencies. GRWC has begun collaborative efforts with the Coast Ridge Community Forest and Cal Fire to promote water conservation strategies in the watershed. The Flow Bank Program project builds on GRWC's established network of partners strengthening GRWC's ability to implement this project to a successful completion.

**Project Name: Mattole Flow Program: Storage and Forbearance****Organization Name: Sanctuary Forest Inc.**

**Schedule Justification:** The Mattole Flow Program: Storage and Forbearance project schedule is realistic, reasonable and accomplishable based on 7 years of Sanctuary Forest Inc. experience with what it takes to plan, permit and implement storage and forbearance projects. Preliminary planning with all of the landowners and assessment of their water rights was completed prior to application for California Department of Fish and Wildlife (CDFW) funding. For both the institutional and residential projects, partial CDFW funding has been secured along with the mitigated negative declaration permitting as of June 1, 2014. Archeology and botany review and clearance has also been completed for all of the sites. For the institutional project, site specific planning is almost complete, permitting is in place and implementation is planned for 2014 and 2015. Finalization of design will be completed with input from the California Department of Public Health in July of 2014. Most of the funding is in place from CDFW and the Coastal Conservancy. The IRWM funding along with landowner cost share will provide sufficient funds to finish the project. An implementation subcontractor has been selected and a preliminary materials list prepared. Pre project photo monitoring is also completed.

For the 4 residential landowners, meetings to confirm their commitment to the program were conducted during June of 2014. Preliminary review of water use records and site review needed for preliminary project planning is also complete. Finalization of system design along with forbearance agreements and water management plans will be completed for each landowner during October, 2014 to May, 2015. Also during this time period all permitting will be obtained including application for small domestic water use appropriations needed for water storage. Input from water law attorneys, engineers, CDFW, and the State Water Resources Control Board will be obtained as needed to complete the planning and permitting element of the project. Subcontractor selection and contracts will occur between March and May of 2015. Implementation of all 4 residential systems will occur between May and December of 2015. The completion date on the task schedule of 12/31/16 allows an extra year to cover unexpected delays if needed. Project performance monitoring will occur for each landowner upon system completion and is planned for spring- fall of 2016.

Sanctuary Forest's experience of working with all of the permitting agencies, funders and landowners over the past 7 years to install 18 systems and 1 million gallons of storage has resulted in a standard process for implementation and a good understanding of timelines needed to accomplish goals.

**Project Name: Weitchpec Water Station Project****Organization Name: Yurok Tribe**

**Schedule Justification:** The proposed Weitchpec Water Station Project schedule from May to September of 2015 is based on the task completion estimates provided in the Preliminary Engineering Report developed by Indian Health Services. Tribal staff will continue to work on the project tasks such as finalizing the telluric current groundwater study for exact well location on the parcel, final designs,

and environmental permitting prior to the contract award and approval to use funds. Tribal staff anticipates that each task will be completed in a timely manner. Once funded, the project will consist of ensuring CEQA and NEPA are complete, arranging on-site cultural monitoring, and executing the construction of the well. It is Yurok Tribe's goal to complete the project expeditiously. The Yurok Tribe has prioritized this project for the Yurok people and tribal communities as a way to provide drought relief.

**Project Name: Westhaven Community Services District Water Loss Reduction Project**

**Organization Name: Westhaven Community Services District**

**Schedule Justification:** The Westhaven Community Services District (WCSD) put aside enough money to pay for the planning and design of the WCSD Water Loss Reduction Project. To facilitate the services associated with the engineering and design of the new water line, LACO will provide the following administrative services to the District from July 2014 to October 2015:

- The LACO project team will make itself available to give weekly verbal status reports, prepare monthly invoices, and answer client questions. WCSD assumed a 10-week project timeline, for design, and have budgeted one hour per week for this task.
- An initial project kick-off meeting will be held between LACO and District staff to discuss project scope, identify preferred alternatives, and to address potential issues or concerns held by the involved parties.
- Based on the input collected during the kick-off meeting, LACO will prepare a work plan for the project, detailing the communication protocols, project timeline and the anticipated project check-points, and summarizing background information that can be used in the preparation of the Construction Documents.

**Project Name: Agricultural Water Conservation and Water Supply Reliability Program - Russian and Navarro River Watersheds**

**Organization Name: California Land Stewardship Institute**

**Schedule Justification:** The Agricultural Water Conservation and Water Supply Reliability Program, recycled water project element is currently undergoing final engineering design and final permitting making it ready for construction starting in May 2015 as reflected in the schedule. The schedule for the soil moisture monitoring program is set up to start in January 2015 when growers have time to attend meetings. This schedule allows for a number of months prior to the start of irrigation season in June for the instruments to be installed and data evaluation workshops to start and continue through the irrigation period.

**Project Name: Elevated Water Tank Rehabilitation (Wonder Stump Road)**

**Organization Name: City of Crescent City**

**Schedule Justification:** The proposed Elevated Water Tank Rehabilitation project schedule is realistic as the City of Crescent City has a well developed project plan with no major unknowns. The project scope, including a preliminary design, is well understood and technically straightforward as determined from detailed analysis and preliminary design work. Engineering work is currently underway on the final design package needed for Contractor Bidding to perform the retrofit. In addition, initial CEQA indicates the project will be CEQA exempt under title14 Section 15301 as a minor alteration to an existing structure.

**County of Humboldt Grant Regional Administration**

**Schedule Justification:** The County of Humboldt's Public Works Department Natural Resources Planning (NRP) office brings over 7 years of experience in managing North Coast Integrated Regional Water Management Implementation Grants. To date, the North Coast Resource Partnership (NCRP) staff has worked with the Department of Water Resources (DWR) on three implementation grants (Agreements #4600008534, #4600009197, and #4600009714) with a fourth under development. NCRP staff has worked closely with DWR staff to manage these grants and have held regularly scheduled conference calls to keep track of project status, address concerns, and develop solutions for effective and efficient grant management. Key Humboldt County staff working on this grant includes a Supervising Planner, Administrative Analyst II, and an Environmental Analyst with additional support from the Public Works Deputy Director of Environmental Services, the Department's Business office, and the Director of Public Works.

NCRP staff has developed several templates and grant management materials to provide effective and efficient management including invoice tracking templates, Grants Compliance Manuals, progress report templates, and deliverables tracking. The NRP staff hosts orientations with projects prior to initiation of work to develop a better understanding of grant compliance requirements, reporting and invoicing processes, and other related topics. In August of 2014, NRP staff will be co-hosting orientations for Proposition 84 Round 2 Local Project sponsors. In addition to reviewing, submitting and tracking individual project's progress, the NRP staff also assists projects as needed in successfully completing their project. The budget allotted for the County's management of this grant is sufficient to complete the tasks as described in the Work Plan and to assist in the successful completion of all projects included in this application.

**North Coast Resource Partnership 2014 IRWM Drought Project Grant Application**

**Proposal Schedule**

**Project Name: Regional Management**

**Organization Name: County of Humboldt**

Task #	Major Tasks	Major Deliverables	Start Date	Completion Date
<b>A</b>	<b>Category (a): Direct Project Administration</b>			
1	Contract Coordination	Draft Work Plan, Schedule and Budget for Grant Agreement Final Work Plan Schedule and Budget for Grant Agreement Grant Agreement Amendments Sub-Grantee Agreements	11/1/14	12/1/18
2	Monthly Invoicing and Reporting	Monthly Invoices Monthly Progress Reports	11/1/14	7/1/18
3	Final Report & Invoice	Final Invoice Final Report	7/1/18	12/1/18
4	Project Contract Administration	City of Rio Dell, Rio Dell and Scotia CSD Emergency Water Intertie	11/1/14	1/31/16
5	Project Contract Administration	City of Ukiah, Ukiah Valley-Redwood Valley Water Supply Reliability Intertie and Well Development Project	11/1/14	10/1/15
6	Project Contract Administration	Sonoma County Water Agency, Sonoma-Mendocino Immediate Drought Relief Project	10/1/14	7/31/16
7	Project Contract Administration	Lewiston Park Mututal Water Company, Meter Installation	11/1/14	3/31/16
8	Project Contract Administration	City of Fort Bragg, Summers Lane Reservoir Project	11/1/14	3/15/16
9	Project Contract Administration	Gualala River Watershed Council, The Flow Bank - Protecting Stream Flow in the Gualala River	11/1/14	6/1/17
10	Project Contract Administration	Sanctuary Forest Inc., Mattole Flow Program: Storage and Forbearance	11/1/14	3/31/17
11	Project Contract Administration	Yurok Tribe, Weitchpec Water Station	11/1/14	12/1/15
12	Project Contract Administration	Westhaven Community Services District, Water Loss Reduction Project	11/1/14	8/31/15
13	Project Contract Administration	California Land Stewardship Institute, Agricultural Water Conservation and Water Supply Reliability Program	11/1/14	5/1/18
14	Project Contract Administration	City of Crescent City, Elevated Water Tank Rehabilitation	11/1/14	8/30/15

