

**Gunnison River Basin Selenium Task Force
ACTION PLAN
Working Version -- revised 11-02-09**

Column entitled “Priority for TF attention” is not concerned with how important this item is to the overall mission of the task force. It is rather an identification of the priority of task force actions, e.g., the task force does not need to help the UVWUA pipe laterals in task 1.1 A., but they do have a High priority need to continue lobbying for funding under task 1.2 A.

Objective 1: Pipe laterals & line canals in high selenium loading areas

Priority for TF attention	Id. No.	Task	Responsible party(ies)	Status/ Scheduled Completion Date	Funding
	1.1	Technical/ implementation			
Med	A.	Pipe laterals with NIWQP/Salinity Program funding	UVWUA, BOR	Ongoing	
High	B.	UVWUA Ag Efficiency and System Optimization Study Phase I Phase II Phase III	UVWUA, BOR, NRCS, CRWCD	January 2010 October 2010 2012 or 2013?	•CWCB Planning \$-Phase I •NPS Planning \$-Phase II •USBR Special Project \$ - Phase II and III
Med	C.	Implement canal lining demonstration – EC lateral (0.3 miles)	CRWCD, UVWUA	Winter 2010	SCTF, CRWCD Large Grant
Med	D.	Develop canal lining program where feasible - Selig Canal - EC(2.9 miles)	CRWCD, BOR, UVWUA, NRCS, technical subgroup	January 2010-February 2012?	
Med.	E.	Investigate selenium & salt loading from other areas (e.g., Bostwick Park)	CRWCD, NRCS, BOR		
	1.2	Resources/funding			
Med	A.	Continue Congressional lobbying to fund lateral	CRWCD, UVWUA	Ongoing	WRDA?

			piping			
Med		B.	Research/request other funding sources for lateral piping	Coordinator, BOR, CRWCD	Ongoing	
		C.	Research funding for monitoring WQ benefits	Coordinator, BOR, UVWUA, CRWCD	On-going	CRWCD, USGS, CHRF
Priority for TF attention	Id. No.		Task	Responsible party(ies)	Status/ Scheduled Completion Date	Funding
Med		D.	Research funding for cost-share buy down for piping	Coordinator, BOR, UVWUA, CRWCD	Ongoing	
Low		E.	Request funding in future Salinity Program RFPs for East Side Laterals	UVWUA, BOR	Ongoing	Phase V?
Med		F.	Request funding in future Salinity Program RFPs for projects in other areas.	CRWCD, BOR	Ongoing	CRBSCP

Objective 2: Implement non-ag BMPs

Priority for TF attention	Id. No.		Task	Responsible party(ies)	Status/ Scheduled Completion Date	Funding
	2.1		Technical/ implementation			
----		A.	Complete BMP development and presentation package	Coordinator/BMP Consultant	Complete	319 NPS Secured
Med		B.	Seek incorporation of BMPs into local development requirements	Coordinator	Ongoing	
---		C.	Seek solutions for Devils Thumb Golf Course in cooperation with City of Delta	STF Tech Subcommittee, BLM, City of Delta	In Progress	
Low		D.	Investigate & implement BMP incentive program (Devil's Thumb Residential Development)	Technical committee/City of Delta/Coordinator/Bray & Co		
	2.2		Resources/funding			
---		A.	Fund demonstration projects (e.g., at Pavilion,	CRWCD, 319, BOR	complete	319 NPS Secured

			Olathe)			
		B.	Identify & pursue funding sources to support implementation of BMPs (e.g., for cost sharing)	Task Force & Coordinator		EQIP, Farm Bill, other?

Objective 3: Encourage On-farm efficiency improvements in all high selenium loading areas

Priority for TF attention	Id. No.		Task	Responsible party(ies)	Status/ Scheduled Completion Date	Funding
	3.1		Technical/ implementation			
Low		A. 1	Request NRCS provide information (GIS mapping) areas treated to date by EQIP/old salinity program and acres to be treated in the future	CRWCD, NRCS, DCD	March 2010 Completion Date	CIG & CRWCD Secured
Med.		A. 2	Estimate future salinity/selenium loading reduction potential for east side EQIP projects	NRCS, CRWCD	In Progress	CIG Secured
High		B.	Support EQIP Work Group priorities for salinity reduction on the East Side by providing a GIS map	USGS, BOR, NRCS (check with Dave)	September/October 09	CIG Secured
High		C.	Develop information to support & encourage more sprinklers on east side (see Objective 6)	BOR, CRWCD, UVWUA	In Progress	Syst Opp Study
Low		D.	Review Phyto grant and consider new crops with potential to reduce selenium (including tree farms for ornamental uses and for wood chips, tree planting to remove groundwater as part of wildlife habitat mitigation)	Technical Subgroup/Shavano		
----		E.	Complete 1 st phase of the pond study – quantify seepage rates from ponds located on Mancos Shale	BOR, NRCS	Complete September 2004	
Med.		F.	Prepare a SOW for 2 nd phase of pond study – e.g. extend GIS pond inventory to Delta County, further categorize perched or unperched digitized ponds from phase 1	BOR, NRCS		CRBSCP

Med		G.	Complete evaluation of pond lining technologies for salinity and selenium reduction	Shavano Conservation District, BOR	In progress	CRBSCP or Discretionary Funding
Med		H.	Identify ponds with potential for lining	Shavano Conservation District, BOR	Complete	CRBSCP or Discretionary Funding
	3.2		Resources/funding			
Low		A.	Obtain funding for Phase 2 Pond Studies	Shavano Conservation District, BOR	In progress	Secured CRBSCP
Low		B.	Obtain funding for pond lining technology evaluation	Shavano, BOR	March 2006 (In progress)	CRBSCP
High		C.	Obtain funding to provide cost sharing for sprinkler installation	Task Force	Ongoing	

Objective 4: Increase use of GIS tools and Soils information

Priority for TF attention	Id. No.		Task	Responsible party(ies)	Status/ Scheduled Completion Date	Funding
	4.1		Technical/ implementation			
----		A.	Speed up digitization process by writing letters to State Conservationist from soil conservation districts.	Coordinator	Complete	
Med.		B.	Discuss how we use the GIS and Soils information with the public	Technical Subcommittee	June 2009	
Med.		C.	Provide presentations to increase utilization of GIS tools and soils info (share uses, limits)	NRCS, Soil Conservation Districts, Coordinator	Fall 09	319 NPS Secured
High		D.	Increase use of GIS tools and Soils info by policy makers	Tech subgroup	Fall 09	
	4.2		Resources/funding			
		A.	Obtain funding for planning workshops focused on use of GIS & Soils Info	Coordinator, NRCS, Soil Conservation Districts, CSU CE	Fall 09	CIG Secured
		B.				

		C.				
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Objective 5: Quantify effects of Changing Land Use (Purpose: Use results to determine need for additional control measures and to support adoption of BMPs by local decision makers)

Priority for TF attention	Id. No.		Task	Responsible party(ies)	Status/ Scheduled Completion Date	Funding
	5.1		Technical/ implementation			
High		A.	Develop scope of work for land use study seeking review comments from interested parties	USGS	November 2004 (CFP Grant – study declined)	
Med.		B.	Research assumptions to be used in model	USGS, Champion	Due date needed	
Med		C.	Identify type & location of new development, including septic systems	Counties?	Due date needed	
Med		D.	Incorporate soils information	USGS	Due date needed	
Med		E.	Conduct study	USGS, BOR, others?	Due date needed	
Med		F.	Coordinate with decision support model	USGS, BOR, Task Force	Due date needed	
	5.2		Resources/funding			
High		A.	Identify prospective study partners & funding	USGS, BOR, task forces?	Due date needed	

Objective 6: Public outreach & education

Priority for TF attention	Id. No.		Task	Responsible Party(ies)	Status/ Scheduled Completion Date	Funding
	6.1		Technical/ implementation			
Med		A.	Develop an approach to selenium reduction from a wise water use perspective	USBOR, Coordinator, WWU Council	In Progress	
Low		B.	Form partnerships with others interested in wise water use (WWU Council)	USBOR, Coordinator, WWU Council	In Progress	
Low		C.	Use Meaker demo to educate and promote acceptance of sprinklers (e.g., at CSU Field Days)	CSU, others?	Ongoing	
Med		D.	Develop education & marketing program for BMPs (gather wise water use materials, plan	Coordinator	June 2009	

			and promote workshops, develop cable TV program, etc.)			
High		E.	Involve media in disseminating information	Coordinator, CRWCD	Ongoing	
	6.2		Resources/funding			
Med		A.	Explore funding options for carrying out Wise Water Use Campaign Program	BOR, Coordinator, WWU Council	Fall 2009	CWCB Grants

Objective 7: Monitor project impacts and overall loading and concentration changes in the lower Gunnison Basin

Priority for TF attention	Id. No.		Task	Responsible party(ies)	Status/ Scheduled Completion Date	Funding
	7.1		Technical/ implementation			
Med.		A.	Identify needs/develop monitoring plan	Technical workgroup, WQCD	Winter 08	
Med.		B.	Site specific monitoring programs for individual projects	Technical Workgroup, Coordinator	Ongoing	319 NPS Loutzenhizer;
Med.		C.	Basin monitoring for overall changes	CDPHE, USGS, etc.	In Progress	
	7.2		Resources/funding			
		A.	Explore funding options for monitoring programs	Coordinator, Task Force	Winter 08	319 NPS, other?

Objective 8: Work to develop a long-term & short term fund raising program for Coordinator position

Priority for TF Attention	Id. No.		Task	Responsible party(ies)	Status/ Scheduled Completion Date	Funding
	8.1					
High		A.	Develop membership-based fund raising program	Coordinator/Task Force	In Progress	Membership
Med		B.	Incorporate coordinator support into project grant proposals	Coordinator/Task Force	In Progress	

Objective 9: Complete a watershed plan update for the lower Gunnison Basin/Grand Valley

Priority for TF Attention	Id. No.		Task	Responsible party(ies)	Status/ Scheduled Completion Date	Funding
	9.1					
Low		A.	Obtain funding to carryout a watershed plan update	Coordinator/Task Force	In Progress	319 NPS Secured
High		B.	Carry out watershed plan development with Task Force subcommittee	Coordinator/Task Force	In Progress	