

**TABLE 9-2
ISSUES and PROPOSED ACTION ITEMS**

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#	Action Item	Cross Reference	Location	Issue Category and Location	Subject	Proposed Action Item	Lead Agency	Coordinating Agencies	WRWC Role	5-year Plan Review horizon
	-a-	-b-	-c-	-d-	-e-	-f-	-g-	-h-	-i-	-j-
1	9.1.1.A		TM	Municipal Water Resources, Central Truckee Meadows	Negotiated Settlement (TROA)	The signatory parties are in the process of completing the necessary steps to implement TROA.	TMWA	R,S,W,PL PT		
2	9.1.1.B			Municipal Water Resources, Central Truckee Meadows	Drought Standard	The NNWPC continues to recommend the use of the 9-Year Drought Cycle, and revise it if necessary during the next update of this Plan.	TMWA		X	
3	9.1.1.C			Municipal Water Resources, Central Truckee Meadows	Water Supply Development	TMWA and Washoe County will continue to pursue water supply projects that are economically feasible and that can be implemented to ensure water supplies are available, as future demands require.	TMWA, DWR			
4	9.1.1.D			Municipal Water Resources, Central Truckee Meadows	Climate Change	Participate in Bureau of Reclamation ("BOR") climate change study for the Truckee River watershed expected to commence in 2011.	BOR	TMWA, TRFP, DRI	X	X
5	9.1.1.E			Municipal Water Resources, Central Truckee Meadows	Cloud Seeding Program	Participate in the Desert Research Institute ("DRI") cloud seeding program for the Lake Tahoe basin and the Truckee River basin, and coordinate with DRI's efforts to continue the cloud seeding program statewide.	DRI	TMWA	X	
6	9.1.1.F			Municipal Water Resources, Central Truckee Meadows	Water Resources Planning	Adopt the TMWA 2030 WRP into the 2011 Regional Water Plan	WRWC		X	
7	9.1.2.A		STM	Municipal Water Resources, South Truckee Meadows	Tributary Creek Water Exchange Program	Continue development of the tributary creek water exchange program.	DWR	TMWA, NSE		X
8	9.1.2.B			Municipal Water Resources, South Truckee Meadows	Plan to Mitigate Future Groundwater Level Declines	Continue development of a plan to mitigate future groundwater level declines and potential impacts to domestic wells.	DWR			X
9	9.1.3.A		S/LV	Municipal Water Resources, Stead / Lemmon Valley	Facility and Financing Plan for Distribution System Infrastructure	WCDWR and TMWA should develop a facility and financing plan for the required distribution system infrastructure in Lemmon Valley, including improvements necessary to integrate and utilize the Fish Springs water supplies for existing and future customers.	DWR	TMWA		
10	9.1.4.A		CS	Municipal Water Resources, Cold Springs	Cold Springs Facility Plan	A facility plan needs to be completed for the build-out of approved land uses in the Cold Springs portion of the Truckee Meadows Service Area ("TMSA"), including conjunctive use and system integration options with Utilities Inc.	DWR	UTL, INC		
11	9.1.4.B			Municipal Water Resources, Cold Springs	Cold Springs Comprehensive Water Resource Plan	A comprehensive water resource plan needs to be prepared for Cold Springs and portions of the Long Valley hydrographic basin to estimate the perennial yield for the Water Baseline and the 2030 Regional Water Balance.	DWR			
12	9.1.5.A		SS	Municipal Water Resources, Spanish Springs	Long-Term Groundwater Management Strategy	Develop a long-term groundwater management strategy. Stakeholders include WCDWR, TMWA, the Sky Ranch Water Company, the City of Sparks, domestic well owners, the Red Hawk Golf Course, the Granite, Sha-Neva and Donovan quarry owners and other water rights owners.	DWR	TMWA, OTHERS		
13	9.1.5.B			Municipal Water Resources, Spanish Springs	Long-Term Groundwater Monitoring Strategy	Monitor groundwater pumping and aquifer water levels to avoid long-term over-pumping.	DWR, TMWA	NSE, OTHERS		
14	9.1.5.C			Municipal Water Resources, Spanish Springs	Long-Term Septic to Sewer Conversion	Continue implementing phased conversion of areas with high densities of septic tanks to community sewer system as funding is made available.	DWR			
15	9.1.6.A		LTR	Municipal Water Resources, Lower Truckee River	Water and Wastewater Facility Plan Updates	Update the Water and Wastewater Facility Plans for East Truckee Corridor that includes analysis of the current development proposals and approved development potential within the Truckee Meadows Service Areas boundary	?	WC, Sparks		
16	9.1.6.B			Municipal Water Resources, Lower Truckee River	Storey County Coordination	Coordination with Storey County regarding existing commitments and future potential demands for the entire Tracy Segment hydrographic basin.	?	WC, Sparks		
17	9.1.6.C			Municipal Water Resources, Lower Truckee River	Surface Water Treatment Plant Position Statement	Development of a position statement regarding construction of surface water treatment facilities in the Lower Truckee River.	NNWPC, WRWC		X	
18	9.2.A		ALL	Water Conservation	Base Case Conservation	Continued implementation of conservation measures to achieve Base Case conservation	NNWPC, WRWC		X	

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19	9.3.1.A	9.5.D	TM	Wastewater Management, Central Truckee Meadows	Continue Third Party Review of the 1994 Nutrient TMDL	Continue Third Party review of the 1994 nutrient TMDLs and applicable WQS in coordination with State and Federal regulatory authorities, and the Tribe's water quality and quantity goals, to demonstrate that continued discharge to the Truckee River from TMWRF is an environmentally sound practice.	Reno, Sparks, DWR, TMWA		X	X	
20	9.3.1.B			Wastewater Management, Central Truckee Meadows	Technical support for TMDL Process	Continue technical, modeling and legal work to support the TMDL and WQS review and discussions with NDEP and EPA.	Reno, Sparks, DWR		X	X	
21	9.3.1.C			Wastewater Management, Central Truckee Meadows	Facilitation of Public Outreach and Stakeholder input for TMDL process	Continue working with the Third Parties to facilitate public outreach, in consultation with NDEP and EPA, and obtain input from affected stakeholders at key decision points in the TMDL and WQS review and revision process.	Reno, Sparks, DWR, TMWA		X	X	
22	9.3.1.D	9.5.D		Wastewater Management, Central Truckee Meadows	Expansion of Reclaimed Water Use	Pursue connection of additional reclaimed water users to the existing systems in Sparks and Reno, consistent with regional water quality and water rights considerations, and continue investigating the feasibility of expanded uses of reclaimed water.	Reno, Sparks, DWR				X
23	9.3.1.E			Wastewater Management, Central Truckee Meadows	Disposal Capacity Management Options	Evaluate the merits of regional integrated solutions between TMWRF and STMWRF for the treatment and disposal of wastewater.	Reno, Sparks, DWR				X
24	9.3.2.A		STM	Wastewater Management, South Truckee Meadows	Pursue New Reclaimed Water Uses	Actively pursue a new reclaimed water strategy to continually balance the increasing supply with available storage capacity and demand. Alternative reuse methods should be explored in detail, in coordination with NDEP, such as reclaimed water aquifer storage and recovery ("ASR") and cooling water for energy generation facilities.	Reno, Sparks, DWR		X	X	
25	9.3.2.B			Wastewater Management, South Truckee Meadows	Ozone-Bac Pilot Plant Feasibility Evaluation	In regard to the potential regional implications of reclaimed water ASR and indirect potable reuse, it is recommended that the Reno Stead ozone-BAC pilot plant feasibility evaluation be continued at STMWRF to more fully optimize the technology	Reno, DWR				X
26	9.3.2.C	9.3.1.E		Wastewater Management, South Truckee Meadows	Merits of Regional Integrated Solutions between TMWRF and STMWRF	As discussed in Section 9.3.1.E, evaluate the merits of regional integrated solutions between TMWRF and STMWRF for the treatment and disposal of wastewater, including funding considerations.			X	X	
27	9.3.3.A	9.3.4.A	S/LV	Wastewater Management, Stead / Lemmon Valley	Merits of Regional Integrated Solutions Between RSWRF and CSWRF	Continue to evaluate the merits of regional integrated solutions between RSWRF and CSWRF for the treatment and disposal of wastewater, including funding considerations.	WC, Reno		X		
28	9.3.3.B	9.3.2.A		Wastewater Management, Stead / Lemmon Valley	Proposed Effluent ASR Regulations	Continue to work with NDEP on proposed effluent ASR regulations, including additional groundwater modeling assessments of aquifer storage and recovery capacity for long-term viability, and establishing appropriate water quality standards for the protection of water resources, public health and the environment.	WC, Reno		X	X	
29	9.3.4.A	9.3.3.A	CS	Wastewater Management, Cold Springs	Merits of Regional Integrated Solutions between RSWRF and CSWRF	Continue to evaluate the merits of regional integrated solutions between CSWRF and RSWRF for the treatment and disposal of wastewater, including funding considerations.	WC, Reno		X		
30	9.3.4.B			Wastewater Management, Cold Springs	Update the Existing Groundwater Model for Cold Springs	Update and refine the existing WCDWR groundwater model for Cold Springs to address interrelated groundwater, surface water and wastewater issues.	DWR				
31	9.3.5.A		TS	Wastewater Management, Lower Truckee River	Groundwater And Surface Water Quality Monitoring	As this area of Sparks and Storey County continues to grow, it will be important to monitor groundwater and surface water quality to check for non-point source pollutants entering the Truckee River.					

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32	9.3.5.B		TC	Wastewater Management, Lower Truckee River	Area-Wide Water and Wastewater Strategy	Revisit discussions among Washoe County, PLPT, and the City of Fernley to seek an area-wide water and wastewater strategy for lower Truckee River users.				
33	9.3.6.A		ALL	Septic Systems and Water Quality	Collect Data and Develop Area-Specific Plans to Mitigate High Priority Areas of Nitrate Contamination	Continue to collect data and develop area-specific plans to mitigate high priority areas of nitrate contamination due to high densities of septic systems.	WC, Reno, Sparks	WCDHD	X	X
34	9.4.A		TM	Truckee Meadows NPDES Storm Water Discharge Permit	SWMP Update	SWPCC to work with agency staff, consultants and regulators and prepare a program update per the conditions of the May 2010 Storm Water Discharge Permit.	Reno Sparks, WC		X	X
35	9.4.B			Truckee Meadows NPDES Storm Water Discharge Permit	Future Storm Water WLA Issues	Continued SWPCC communication with NDEP is necessary regarding the anticipated future storm water WLA.	Reno Sparks, WC			
36	9.5.A		TM	Integrated Use of Water Rights	TROA Implementation	Continue the implementation of TROA and related agreements. Compare the water demand and water right recovery estimates to future conditions imposed by TROA and related agreements.	TMWA	TROA Parties		
37	9.5.B			Integrated Use of Water Rights	Water Rights Recovery Program	Continue the water rights recovery program to convert inactive Truckee River water rights to beneficial use and update the water right status and demand projections regularly.	DWR, Reno, Sparks			
38	9.5.C		ALL	Integrated Use of Water Rights	Consolidated Management Of TMWA and WCDWR Water Rights	Finalize and implement recommendations developed from the potential consolidated management of TMWA and WCDWR water rights and water resources.	DWR, TMWA			X
39	9.5.D	9.3.1.A		Integrated Use of Water Rights	Non-Structural Measures	Continue the analysis and development of non-structural measures to improve Truckee River water quality, enable increased TMWRF discharges, and ensure the future sustainability of the river.	DWR, Reno, Sparks	TMWA, TMFP	X	
40	9.5.E		HLV/ LV	Integrated Use of Water Rights	Fish Springs Ranch Water Supplies	Quantify groundwater and surface water resources and determine the feasibility of conjunctive use or other programs, including but not limited to expanded recharge projects, use of Fish Springs Ranch water supplies, and conversion of tributary water rights to M&I water supply and other beneficial uses.	DWR	TMWA		X
41	9.5.F	9.3.1.D 9.3.1.A 9.3.2.B	ALL	Integrated Use of Water Rights	Expand Reclaimed Water Resources benefits	Develop cooperative management strategies among local governments, reclaimed water providers and water purveyors that maximize the benefits of available reclaimed water resources.	DWR, Reno, Sparks		X	
42	9.5.G			Integrated Use of Water Rights	Monitor Plan Area Growth Projections	Monitor existing and future water demand and planning area growth projections, and develop plans to resolve any major discrepancies in consideration of available water resources and geographic constraints.	TMWA, DWR, NNWPC		X	X
43	9.6.A		ALL	Water Resources and Land Use Planning	Strengthen Linkages between TMRP and RWMP	Continue working with TMRPA staff to strengthen appropriate linkages between the Regional Plan and the RWMP.	NNWPCT MRPA		X	X
44	9.6.B			Water Resources and Land Use Planning	Review TMSA Boundaries and Revise Facility Plans	Review areas within the TMSA Boundary for gaps in facility planning and develop a plan to respond to changes in land use and the TMSA that affect current facility plans.	TMWA, DWR, TMRPA		X	X
45	9.6.C			Water Resources and Land Use Planning	Future Water Demands and Wastewater Flows	Coordinate with other entities on the development of a GIS parcel based tool that can be used to estimate potential water demands and wastewater flows based on approved land use.	TMWA, DWR, TMRPA		X	X
46	9.6.D			Water Resources and Land Use Planning	Future Water Demands and Wastewater Flows	Coordinate with local land use planning agencies to address rural groundwater basin imbalances.	TMWA, DWR, TMRPA		X	X

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47	9.7.A		ALL		Public Works and Flood Project Coordination	Local government public works departments and the Flood Project and are expected to discuss and reach consensus concerning funding and other issues involving local drainage programs and the Flood Project.	Reno, Sparks, WC	TRFP		?
48	9.8.A		TM STM SS	Regional Flood Plain Management and Flood Control	Complete JPA Amongst Cooperative Parties	The parties to the Cooperative Agreement are expected to resolve issues and complete the JPA negotiations.	TRFP	Reno , Sparks, WC		X
49	9.8.B			Regional Flood Plain Management and Flood Control	Zones 3 and 4 Storage	Issues regarding flood plain storage in zone boundaries need to be addressed and ordinances to address zones 3 and 4 will be needed.	TRFP	Reno , Sparks, WC		X
50	9.8.C			Regional Flood Plain Management and Flood Control	Flood Plain Management Plan	A Flood Plain Management Plan will need to be developed and submitted to the Corps.	TRFP	Reno , Sparks, WC		X
51	9.8.D			Regional Flood Plain Management and Flood Control	Flood Plain Hydrologic Model	Continue development of a regional hydrologic model.	TRFP	Reno , Sparks, WC		X
52	9.9.1.A		CTM	Groundwater Remediation	PCE in Central Truckee Meadows	Continue CTMRD implementation of the RMP, including treatment, moitoring, source management, outreach and administration.	CTMRD	TMWA, NDEP		
53	9.9.1 B			Groundwater Remediation	Sparks Solvent/Fuel Site (SS/FS)	Sparks Solvent/Fuel Site (SS/FS): Monitor the effects of the new municipal well field to the north of the tank farm for changes in the local hydrodynamics and adjust the remediation strategy as necessary.	CTMRD	TMWA		
54	9.9.1 C			Groundwater Remediation	PCE in Lemmon Valley	PCE in Lemmon Valley: Continue remediation activities	TMWA, NDEP			
55	9.9.2 A		TM	Groundwater Protection	Wellhead Protection	Continue development of WHPPs for systems not covered by approved plans.	DWR			

Locations:
 TM - Truckee Meadows Hydrobasin
 CTM - Central Truckee Meadows
 STM - South Truckee Meadows
 S/LV - Stead/Lemon Valley
 CS - Cold Springs
 SS - Spanish Springs
 LTR - Lower Truckee River
 ALL - All Planning Areas

Agencies:
 TMWA - Truckee Meadows Water Authority
 DWR - Washoe County Department of Water Resources
 Reno - City of Reno
 Sparks - City of Sparks
 WC - Washoe County
 WHDHD - Washoe County District Health Department
 TMRPA - Truckee Meadows Regional planning Agency
 TMFP - Truckee Meadows Flood Project
 BOR - Bureau of Reclamation
 DRI - Desert Research Institute