

CRWD 2010 Watershed Management Plan, Issue Identification Matrix

	Issue/Comment	Source*	Issue New vs. Old	Plan Status	Issue Category from Plan, etc.	Issue Category	Issue Statement
31	No natural stream section downstream of Seminary Pond	City of Lauderdale Local Surface Water Management Plan	OLD	DRAFT	Natural Resources and Water Quality Issues	Ecosystem Health	The land within the District developed in a time when resource protection wasn't a priority. As a result there are a number of opportunities to restore historic resources
352	The Trout Brook System conveys storm water from Como Lake and other areas outside of the City of St. Paul. The Capitol Region Watershed District (CRWD) and the City each own a portion of the system. The CRWD has taken ownership of the system and is responsible for conducting maintenance, creating a management plan for the system, and exploring the possibility of daylighting the system.	St Paul Local Surface Water Management Plan (2006)	Old	Final	Impacts of storm water quality on fish and wildlife resources	Ecosystem Health	The land within the District developed in a time when resource protection wasn't a priority. As a result there are a number of opportunities to restore historic resources
118	Aquatic plants in Como Lake reach nuisance populations and affect boating and aesthetic enjoyment of the lake	Como Lake Strategic Management Plan Report (2002)	Old	Final	Aesthetics	Ecosystem Health	The ecological integrity of many of the District's water resources are degraded to a point where the resources are not providing their original level of function or value
119	Shoreline vegetation around Como Lake	Como Lake Strategic Management Plan Report (2002)	Old	Final	Aesthetics	Ecosystem Health	The ecological integrity of many of the District's water resources has degraded to a point where the resources are not providing their original level of function or value
120	Fisheries management in Como Lake	Como Lake Strategic Management Plan Report (2002)	Old	Final	Natural Resource Issues	Ecosystem Health	The District is in the unique position to be able to identify and support collaborations between various partners/stakeholders with similar projects and programs
121	Aquatic plant populations in Como Lake	Como Lake Strategic Management Plan Report (2002)	Old	Final	Natural Resource Issues	Ecosystem Health	The ecological integrity of many of the District's water resources has degraded to a point where the resources are not providing their original level of function or value
122	Lack of native vegetation along shoreline of Como Lake	Como Lake Strategic Management Plan Report (2002)	Old	Final	Natural Resource Issues	Ecosystem Health	The ecological integrity of many of the District's water resources has degraded to a point where the resources are not providing their original level of function or value
123	Providing habitat/attracting diverse wildlife to Como Lake (fish, birds, and other wildlife)	Como Lake Strategic Management Plan Report (2002)	Old	Final	Natural Resource Issues	Ecosystem Health	The ecological integrity of many of the District's water resources has degraded to a point where the resources are not providing their original level of function or value
156	CRWD should continue restoring and maintaining the shoreline of Lake McCarrons	CRWD Staff Issues Meeting	New	N/A	N/A	Ecosystem Health	The ecological integrity of many of the District's water resources has degraded to a point where the resources are not providing their original level of function or value
224	The Loeb Lake fish population is dominated by panfish which can exhibit heavy predation on zooplankton	DRAFT Loeb Lake Management Plan (2008)	Old	DRAFT	Fish	Ecosystem Health	The District is in the unique position to be able to identify and support collaborations between various partners/stakeholders with similar projects and programs
225	The fish population of Loeb Lake is difficult to predict/manage because of the intense fishing pressure on the lake.	DRAFT Loeb Lake Management Plan (2008)	Old	DRAFT	Fish	Ecosystem Health	The District is in the unique position to be able to identify and support collaborations between various partners/stakeholders with similar projects and programs
226	The number of desirable native submerged plant species in Loeb Lake has declined between 1981 and 2000 which may indicate a decline in water quality and fish habitat.	DRAFT Loeb Lake Management Plan (2008)	Old	DRAFT	Aquatic Plant Diversity	Ecosystem Health	The ecological integrity of many of the District's water resources has degraded to a point where the resources are not providing their original level of function or value
227	The exotic submerged plants curly leaf pondweed and Eurasian water milfoil are present in Loeb Lake, when curly leaf pondweed dies back in early summer, water clarity is reduced and nutrients are released into the water column.	DRAFT Loeb Lake Management Plan (2008)	Old	DRAFT	Aquatic Plant Diversity	Ecosystem Health	The ecological integrity of many of the District's water resources has degraded to a point where the resources are not providing their original level of function or value
245	Decrease in number or size of desirable game fish in Lake McCarrons (largemouth bass, sunfish , crappies)	Lake McCarrons Management Plan (2003)	Old	Final	Lake Quality/Lake Health	Ecosystem Health	The District is in the unique position to be able to identify and support collaborations between various partners/stakeholders with similar projects and programs
246	Aquatic plants reach nuisance populations in Lake McCarrons and affect boating and other lake uses	Lake McCarrons Management Plan (2003)	Old	Final	Lake Quality/Lake Health	Ecosystem Health	The ecological integrity of many of the District's water resources has degraded to a point where the resources are not providing their original level of function or value
247	Eurasian water milfoil is present in Lake McCarrons and there is a desire to prevent the introduction of other exotic species	Lake McCarrons Management Plan (2003)	Old	Final	Lake Quality/Lake Health	Ecosystem Health	The ecological integrity of many of the District's water resources has degraded to a point where the resources are not providing their original level of function or value

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248	There is a desire to increase the diversity of plants and animals in and around Lake McCarrons	Lake McCarrons Management Plan (2003)	Old	Final	Lake Quality/Lake Health	Ecosystem Health	The ecological integrity of many of the District's water resources has degraded to a point where the resources are not providing their original level of function or value
97	Focus on Mississippi River stewardship/restoration	Community Issues Identification Meeting #4 12/11/08	New			Ecosystem Health	The ecological integrity of many of the District's water resources has degraded to a point where the resources are not providing their original level of function or value
269	Effects of habitat degradation: Land use and hydrologic modifications both within and beyond the MNRRA corridor affect physical aquatic habitat quality in MNRRA.	NPS MNRRA Water Resources Information and Issues Overview Report (2006)	Old	DRAFT	Biological Issues	Ecosystem Health	The loss of natural areas has decreased the ability of the watershed to capture, filter and infiltrate rainwater prior to discharging to the District's water resources
270	Effects of poor water quality: Water quality at MNRRA is strongly linked to land use change in the contributing watersheds as well as point source contributions within the corridor. Prominent concerns for aquatic biota include high loads of sediments and nutrients, low transparency, and the presence of bioaccumulative and/or hormone-disrupting contaminants.	NPS MNRRA Water Resources Information and Issues Overview Report (2006)	Old	DRAFT	Biological Issues	Urban Stormwater Management	The pollutant load of stormwater has impacted the quality of water in the District's lakes, wetlands and the Mississippi River
271	Effects of contaminants: Persistent bioaccumulative toxins continue to render the fish unsuitable for human consumption, and may threaten populations of fish-eating birds. Additionally, recent research has suggested a troubling trend of fish feminization in response to hormonally active wastewater compounds. Despite some uncertainty about the biological implications, it is clear that endocrine-disrupting organic wastewater contaminants are widespread in Minnesota surface waters and a matter of growing concern.	NPS MNRRA Water Resources Information and Issues Overview Report (2006)	Old	DRAFT	Biological Issues	Urban Stormwater Management	The pollutant load of stormwater has impacted the quality of water in the District's lakes, wetlands and the Mississippi River
272	Effects of aquatic invasive species: Biological pollutants such as aquatic invasive species have emerged as management priorities relatively recently (zebra mussels, Asian carp, invasive plants)	NPS MNRRA Water Resources Information and Issues Overview Report (2006)	Old	DRAFT	Biological Issues	Ecosystem Health	The ecological integrity of many of the District's water resources has degraded to a point where the resources are not providing their original level of function or value
273	Hydrologic effects: Construction of the lock and dam system, the levee system, and a series of headwater dams has interrupted natural hydrologic features and processes in the Upper Mississippi River. The lock and dams have converted the free-flowing river to a series of 29 slackwater pools. By permanently inundating many bottomlands, the lock and dam system has also eliminated periodic low water levels and altered the extent of land flooded seasonally, a phenomenon implicated in loss of aquatic vegetation in Pool 2 and throughout the Upper Mississippi River (River Resources Forum 2004). The construction of levees, conversely, has removed large portions of the floodplain from contact with normal high waters and reduced flood storage capacity.	NPS MNRRA Water Resources Information and Issues Overview Report (2006)	Old	DRAFT	Effects of River Alteration	Ecosystem Health	The land within the District developed in a time when resource protection wasn't a priority. As a result there are a number of opportunities to restore historic resources
274	Geomorphologic effects: Geomorphic features and processes (sediment transport) have been greatly affected by river alterations (construction of structures, shoreline development, floodplain alterations)	NPS MNRRA Water Resources Information and Issues Overview Report (2006)	Old	DRAFT	Effects of River Alteration	Urban Stormwater Management	The pollutant load of stormwater has impacted the quality of water in the District's lakes, wetlands and the Mississippi River
275	Biological effects: Collectively, these hydrologic and geomorphologic alterations have served to reduce the diversity of habitats, alter patterns of fish passage, and facilitate transport of aquatic invasive species.	NPS MNRRA Water Resources Information and Issues Overview Report (2006)	Old	DRAFT	Effects of River Alteration	Ecosystem Health	The ecological integrity of many of the District's water resources has degraded to a point where the resources are not providing their original level of function or value
276	Because many of the Upper Mississippi River's ecological functions are substantially degraded, ensuring their sustainability will require dedicated restoration efforts.	NPS MNRRA Water Resources Information and Issues Overview Report (2006)	Old	DRAFT	Ecosystem Restoration and Understanding	Ecosystem Health	The ecological integrity of many of the District's water resources has degraded to a point where the resources are not providing their original level of function or value
277	Whole-system restoration efforts: For Pool 2, the River Resources Forum recommended restoring depth diversity in channels and backwaters, protecting and restoring islands, restoring previously filled floodplain areas, managing water levels to improve aquatic vegetation, and restoring connectivity with side channels and backwaters to increase habitat diversity and improve fish passage.	NPS MNRRA Water Resources Information and Issues Overview Report (2006)	Old	DRAFT	Ecosystem Restoration and Understanding	Ecosystem Health	The land within the District developed in a time when resource protection wasn't a priority. As a result there are a number of opportunities to restore historic resources
278	Targeted restoration efforts: Participants in the September 2005 MNRRA water resources scoping workshop, however, noted a high potential for restoration of native biota within the MNRRA corridor. Currently, several efforts are aimed at 1) restoring remaining native plant communities in floodplain and riparian areas and 2) restoring rare and/or endangered fauna.	NPS MNRRA Water Resources Information and Issues Overview Report (2006)	Old	DRAFT	Ecosystem Restoration and Understanding	Ecosystem Health	The ecological integrity of many of the District's water resources has degraded to a point where the resources are not providing their original level of function or value
351	Water quality impacts to the Mississippi River have impacted fish and wildlife resources.	St Paul Local Surface Water Management Plan (2006)	Old	Final	Impacts of storm water quality on fish and wildlife resources	Urban Stormwater Management	The pollutant load of stormwater has impacted the quality of water in the District's lakes, wetlands and the Mississippi River
30	Lack of native vegetation and plant diversity in the Seminary Pond Area	City of Lauderdale Local Surface Water Management Plan	OLD	DRAFT	Natural Resources and Water Quality Issues	Ecosystem Health	The ecological integrity of many of the District's water resources has degraded to a point where the resources are not providing their original level of function or value
158	CRWD does not have a well developed approach to wetland restoration/management	CRWD Staff Issues Meeting	New	N/A	N/A	Ecosystem Health	The ecological integrity of many of the District's water resources has degraded to a point where the resources are not providing their original level of function or value

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209	As a highly urbanized watershed, the Capitol Region wetland resource has had significant pressure placed upon it. Many of the pre-settlement wetlands in this area have been filled for development and wetlands that do remain have all been degraded to some extent such as being partially filled, drained, or overtaken by undesirable plants.	CRWD Watershed Management Plan, 2000-2010	Old	Final	Wetland Restoration and Protection	Ecosystem Health	The ecological integrity of many of the District's water resources has degraded to a point where the resources are not providing their original level of function or value
210	Identification of the wetland functions and values within the watershed. This information is critical to the planning process.	CRWD Watershed Management Plan, 2000-2010	Old	Final	Wetland Restoration and Protection	Ecosystem Health	The ecological integrity of many of the District's water resources has degraded to a point where the resources are not providing their original level of function or value
211	Identify priority waterbodies such as lakes or large wetlands and wetlands tributary to District Lakes.	CRWD Watershed Management Plan, 2000-2010	Old	Final	Wetland Restoration and Protection	Ecosystem Health	#N/A
212	Identify opportunities for wetland restoration or improvement projects.	CRWD Watershed Management Plan, 2000-2010	Old	Final	Wetland Restoration and Protection	Ecosystem Health	The ecological integrity of many of the District's water resources has degraded to a point where the resources are not providing their original level of function or value
213	Improve wetland habitat of the wetlands within the watershed that are severely degraded due to non-native vegetation.	CRWD Watershed Management Plan, 2000-2010	Old	Final	Wetland Restoration and Protection	Ecosystem Health	The ecological integrity of many of the District's water resources has degraded to a point where the resources are not providing their original level of function or value
228	Willow Reserve is overgrown with invasive vegetation.	DRAFT Loeb Lake Management Plan (2008)	Old	DRAFT	Degree of Desired Restoration	Ecosystem Health	The ecological integrity of many of the District's water resources has degraded to a point where the resources are not providing their original level of function or value
229	Given the urban setting of Willow Reserve, restoring the area to "pre-settlement" conditions may prove very difficult and extensive.	DRAFT Loeb Lake Management Plan (2008)	Old	DRAFT	Vegetative and Wildlife Diversity	Ecosystem Health	The ecological integrity of many of the District's water resources has degraded to a point where the resources are not providing their original level of function or value
230	Wetlands in the Willow Reserve are acting as stormwater sediment ponds which has altered the natural hydrology and negatively impacted wetland vegetation.	DRAFT Loeb Lake Management Plan (2008)	Old	DRAFT	Water Quality	Ecosystem Health	The ecological integrity of many of the District's water resources has degraded to a point where the resources are not providing their original level of function or value
236	Within Falcon Heights, the majority of wetlands are not functioning to the extent possible	Falcon Heights Water Resource Management Plan (2008)	OLD	Final	Wetland Restoration and Protection	Ecosystem Health	The ecological integrity of many of the District's water resources has degraded to a point where the resources are not providing their original level of function or value
346	Populations of invasive species in Crosby Farm Regional Park are degrading natural areas in the park (common buckthorn, tartarian honeysuckle, garlic mustard, leafy spurge, Siberian elm, purple loosestrife, reed canary grass)	St Paul Crosby Farm Regional Park Ecological Inventory and Restoration Management Plan (2005)	Old	Final	N/A	Ecosystem Health	The ecological integrity of many of the District's water resources has degraded to a point where the resources are not providing their original level of function or value
23	Bank stabilization of the Mississippi River.	Citizen Advisory Committee Meeting Issues Identification 12/10/08	New			Ecosystem Health	The ecological integrity of many of the District's water resources has degraded to a point where the resources are not providing their original level of function or value
374	Continue/expand on education/outreach to citizens	Technical Advisory Meeting Issues Identification 11/18/08	New			Education and Outreach	Many District residents do not feel a personal connection with water and natural resources and therefore do not have a sense of responsibility or ownership which negatively impacts their ability to change behaviors and increase stewardship
155	To what extent can the CRWD encourage native plantings? Projects should still improve water quality but the CRWD should recognize the importance of the secondary benefits of native vegetation.	CRWD Staff Issues Meeting	New	N/A	N/A	Ecosystem Health	The loss of natural areas has decreased the ability of the watershed to capture, filter and infiltrate rainwater prior to discharging to the District's water resources
372	Relationship between density of development and the health of the ecosystem - density vs. spreading out of development on a site. Looser vs. tighter regulations	Technical Advisory Meeting Issues Identification 11/18/08	New			Ecosystem Health	The loss of natural areas has decreased the ability of the watershed to capture, filter and infiltrate rainwater prior to discharging to the District's water resources
375	CRWD taking lead on demonstration projects that educate the cities	Technical Advisory Meeting Issues Identification 11/18/08	New			Ecosystem Health	There are numerous opportunities that the District needs to be aware of and involved in to achieve its mission
376	Maintenance education for BMPs. CRWD taking a role in the education of and implementation of maintenance	Technical Advisory Meeting Issues Identification 11/18/08	New			Funding and Organization	Future watershed management strategies need to be responsive to emerging issues resulting from climate change, and technological advances

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378	City has green infrastructure policies. Walkability/livability	Technical Advisory Meeting Issues Identification 11/18/08	New			Ecosystem Health	The loss of natural areas has decreased the ability of the watershed to capture, filter and infiltrate rainwater prior to discharging to the District's water resources
379	City or Metro wide focus on green is on transportation, walkable, high quality trans. Pointed out need for green infrastructure on central corridor.	Technical Advisory Meeting Issues Identification 11/18/08	New			Ecosystem Health	The loss of natural areas has decreased the ability of the watershed to capture, filter and infiltrate rainwater prior to discharging to the District's water resources
380	How to facilitate development along the central corridor to accommodate more walking paths, bike paths, green space etc.	Technical Advisory Meeting Issues Identification 11/18/08	New			Ecosystem Health	The loss of natural areas has decreased the ability of the watershed to capture, filter and infiltrate rainwater prior to discharging to the District's water resources
347	Garlic mustard is crowding out native herbaceous plants in Crosby Farm Regional Park.	St Paul Crosby Farm Regional Park Ecological Inventory and Restoration Management Plan (2005)	Old	Final	N/A	Ecosystem Health	The ecological integrity of many of the District's water resources has degraded to a point where the resources are not providing their original level of function or value
348	Degraded natural areas in Crosby Farm Regional Park provide poor quality habitat for native forest wildlife species.	St Paul Crosby Farm Regional Park Ecological Inventory and Restoration Management Plan (2005)	Old	Final	N/A	Ecosystem Health	The ecological integrity of many of the District's water resources has degraded to a point where the resources are not providing their original level of function or value
373	Restoring natural systems; habitat and vegetation within the district	Technical Advisory Meeting Issues Identification 11/18/08	New			Ecosystem Health	The ecological integrity of many of the District's water resources has degraded to a point where the resources are not providing their original level of function or value
203	CRWD should recognize the role of secondary benefits (wildlife habitat, aesthetics, etc) when undertaking projects that improve water quality	CRWD Staff Issues Meeting	New	N/A	N/A	Ecosystem Health	The loss of natural areas has decreased the ability of the watershed to capture, filter and infiltrate rainwater prior to discharging to the District's water resources
157	Is there a way to create a greenway between the Mississippi River and other parts of watershed to reconnect residents to the Mississippi River?	CRWD Staff Issues Meeting	New	N/A	N/A	Ecosystem Health	There is limited connectivity of natural habitat areas in the District which limits movement between the District's resources
377	Connections to the river - getting people to understand their impacts to the River	Technical Advisory Meeting Issues Identification 11/18/08	New			Ecosystem Health	Many District residents do not feel a personal connection with water and natural resources and therefore do not have a sense of responsibility or ownership which negatively impacts their ability to change behaviors and increase stewardship
208	Continuity and ecological integrity of the natural corridor along the Mississippi River Valley. The Mississippi River Corridor natural areas are significant District, regional, and national environmental resources and require coordination and management at all levels of jurisdiction.	CRWD Watershed Management Plan, 2000-2010	Old	Final	Mississippi River Corridor	Ecosystem Health	There is limited connectivity of natural habitat areas in the District which limits movement between the District's resources
219	Regional natural resource restoration planning prior to implementation of specific redevelopment projects	CRWD Watershed Management Plan, 2000-2010	Old	Final	Urban Redevelopment	Ecosystem Health	There is limited connectivity of natural habitat areas in the District which limits movement between the District's resources
126	Determining appropriate recreational uses for Como Lake	Como Lake Strategic Management Plan Report (2002)	Old	Final	Recreation	Ecosystem Health	The District is in the unique position to be able to identify and support collaborations between various partners/stakeholders with similar projects and programs
127	Fish advisories for Como Lake	Como Lake Strategic Management Plan Report (2002)	Old	Final	Recreation	Ecosystem Health	The District is in the unique position to be able to identify and support collaborations between various partners/stakeholders with similar projects and programs
128	Maintaining water level of Como Lake	Como Lake Strategic Management Plan Report (2002)	Old	Final	Recreation	Ecosystem Health	The District is in the unique position to be able to identify and support collaborations between various partners/stakeholders with similar projects and programs
129	Providing habitat/attracting diverse wildlife to Como Lake (fish, birds, and other wildlife) for recreational purposes	Como Lake Strategic Management Plan Report (2002)	Old	Final	Recreation	Ecosystem Health	The ecological integrity of many of the District's water resources has degraded to a point where the resources are not providing their original level of function or value
254	Wakes from large boats on Lake McCarrons cause shoreline erosion and unpleasant conditions on the lake	Lake McCarrons Management Plan (2003)	Old	Final	Recreational Use	Ecosystem Health	The District is in the unique position to be able to identify and support collaborations between various partners/stakeholders with similar projects and programs

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255	Lake McCarrons small size amplifies normal concerns with boat speed, wakes, traffic direction, and congestion	Lake McCarrons Management Plan (2003)	Old	Final	Recreational Use	Ecosystem Health	The District is in the unique position to be able to identify and support collaborations between various partners/stakeholders with similar projects and programs
284	Recreation (Angling): Despite the popularity of the MNRRA corridor with anglers, fish consumption advisories remain in effect. Some fish consumption advisories are related to water-borne contaminants, but others (such as PCBs) are related to contaminants that have accumulated in river bottom sediment over the years and are introduced into the environment only episodically, through sediment re-suspension.	NPS MNRRA Water Resources Information and Issues Overview Report (2006)	Old	DRAFT	Socio-Environmental Issues	Ecosystem Health	The District is in the unique position to be able to identify and support collaborations between various partners/stakeholders with similar projects and programs
285	Recreation (Recreational boating): Following WWII, economic prosperity, increased leisure time and technological advancements led to a rapid growth in recreational boating. Power boating can cause shoreline erosion in some areas on the Mississippi River, but much of Pool 2 (where most of the high-speed boating occurs) is armored with riprap and traffic-related shoreline erosion is not as significant a problem as downriver in the Red Wing area.	NPS MNRRA Water Resources Information and Issues Overview Report (2006)	Old	DRAFT	Socio-Environmental Issues	Ecosystem Health	The District is in the unique position to be able to identify and support collaborations between various partners/stakeholders with similar projects and programs
349	Bluff trails in Crosby Farm Regional Park have become severely degraded and hikers are able to access sensitive, off-trail, erosion-prone areas.	St Paul Crosby Farm Regional Park Ecological Inventory and Restoration Management Plan (2005)	Old	Final	N/A	Ecosystem Health	The loss of natural areas has decreased the ability of the watershed to capture, filter and infiltrate rainwater prior to discharging to the District's water resources
252	Some areas of the Lake McCarrons shoreline are in disrepair (abandoned docks, discarded items)	Lake McCarrons Management Plan (2003)	Old	Final	Recreational Use	Ecosystem Health	The District is in the unique position to be able to identify and support collaborations between various partners/stakeholders with similar projects and programs
206	Crosby Lake is one of a limited number of large District waterbodies and is largely unmanaged. Background and opportunities for managing Crosby Lake and the surrounding park area are not well documented. The area is an important amenity for local residents who use the lake's DNR fishing pier and surrounding park area for a wide variety of passive recreational uses.	CRWD Watershed Management Plan, 2000-2010	Old	Final	Crosby Lake	Ecosystem Health	The ecological integrity of many of the District's water resources has degraded to a point where the resources are not providing their original level of function or value
244	The Ramsey County Park property on S. McCarrons Blvd is isolated and poorly maintained	Lake McCarrons Management Plan (2003)	Old	Final	Other Concerns	Ecosystem Health	The District is in the unique position to be able to identify and support collaborations between various partners/stakeholders with similar projects and programs
115	Help in making the river corridor a place people want to be	Community Issues Identification Meeting #4 12/11/08	New			Education and Outreach	Many District residents do not feel a personal connection with water and natural resources and therefore do not have a sense of responsibility or ownership which negatively impacts their ability to change behaviors and increase stewardship
18	Infiltration is key, as is trying to get citizens to prevent runoff.	Citizen Advisory Committee Meeting Issues Identification 12/10/08	New			Education and Outreach	Many District residents do not feel a personal connection with water and natural resources and therefore do not have a sense of responsibility or ownership which negatively impacts their ability to change behaviors and increase stewardship
1	Somali's are very concerned about water as there is a shortage in Africa and support the efforts of the district. Somali's don't understand the lack of conservation in the Twin Cities	Board of Elders Meeting Dec 15th	New			Education and Outreach	The District's diverse community has a wide range of cultural, social and political relationships with water, community interests, priorities, and opinions of the District's water resources
2	Somali's have a patriarchal community working through the Board and the Board Chair. The Board Chair has appointed two individuals to be involved in the process.	Board of Elders Meeting Dec 15th	New			Education and Outreach	The District's diverse community has a wide range of cultural, social and political relationships with water, community interests, priorities, and opinions of the District's water resources
3	Continue outreach to different cultural groups represented in CRWD.	Citizen Advisory Committee Meeting Issues Identification 12/10/08	New			Education and Outreach	The District's diverse community has a wide range of cultural, social and political relationships with water, community interests, priorities, and opinions of the District's water resources
4	Suggestions: Lawn signs, storm drain stenciling, press releases on nutrients.	Citizen Advisory Committee Meeting Issues Identification 12/10/08	New			Education and Outreach	Many District residents do not feel a personal connection with water and natural resources and therefore do not have a sense of responsibility or ownership which negatively impacts their ability to change behaviors and increase stewardship
5	Basic watershed education: focus on nutrients.	Citizen Advisory Committee Meeting Issues Identification 12/10/08	New			Education and Outreach	Many District residents do not feel a personal connection with water and natural resources and therefore do not have a sense of responsibility or ownership which negatively impacts their ability to change behaviors and increase stewardship
41	When working with the Hispanic groups, are likely to be more receptive than men.	Community Group Individual Meetings, Oct - Dec 08	New			Education and Outreach	The District's diverse community has a wide range of cultural, social and political relationships with water, community interests, priorities, and opinions of the District's water resources

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42	Hispanic men feel that "green/environmental" groups are often telling them what they are doing wrong.	Community Group Individual Meetings, Oct - Dec 08	New			Education and Outreach	The District's diverse community has a wide range of cultural, social and political relationships with water, community interests, priorities, and opinions of the District's water resources
43	In gaining Hispanic involvement, immediately identify what you want from them; number of meetings, type of input, process, etc.	Community Group Individual Meetings, Oct - Dec 08	New			Education and Outreach	The District's diverse community has a wide range of cultural, social and political relationships with water, community interests, priorities, and opinions of the District's water resources
44	The Indigenous community recognized great value in water and often is very supportive of the work of the district, however they want to know they are not being approached to fill a "diversity quota".	Community Group Individual Meetings, Oct - Dec 08	New			Education and Outreach	The District's diverse community has a wide range of cultural, social and political relationships with water, community interests, priorities, and opinions of the District's water resources
45	District should focus efforts on the "younger" group within the African American Community. Have events the draw people in, serving food and keeping presentations to 10-15 minutes with additional information available.	Community Group Individual Meetings, Oct - Dec 08	New			Education and Outreach	The District's diverse community has a wide range of cultural, social and political relationships with water, community interests, priorities, and opinions of the District's water resources
46	Important to identify existing programs and gathering places within the African American Community to introduce the district's messages.	Community Group Individual Meetings, Oct - Dec 08	New			Education and Outreach	The District's diverse community has a wide range of cultural, social and political relationships with water, community interests, priorities, and opinions of the District's water resources
47	Need a 15 second elevator speech to hook people into the district's mission ideas	Community Group Individual Meetings, Oct - Dec 08	New			Education and Outreach	Many District residents do not feel a personal connection with water and natural resources and therefore do not have a sense of responsibility or ownership which negatively impacts their ability to change behaviors and increase stewardship
48	Water quality is not even within the top 10 issues for the African American Community	Community Group Individual Meetings, Oct - Dec 08	New			Education and Outreach	The District's diverse community has a wide range of cultural, social and political relationships with water, community interests, priorities, and opinions of the District's water resources
49	Water is taken for granted and not see as a finite resource.	Community Group Individual Meetings, Oct - Dec 08	New			Education and Outreach	Many District residents do not feel a personal connection with water and natural resources and therefore do not have a sense of responsibility or ownership which negatively impacts their ability to change behaviors and increase stewardship
50	People do not understand or appreciate the cultural or religious relationships that others within the district have with water	Community Group Individual Meetings, Oct - Dec 08	New			Education and Outreach	The District's diverse community has a wide range of cultural, social and political relationships with water, community interests, priorities, and opinions of the District's water resources
51	People would prefer to pay for bottled water because it is perceived as being cleaner and healthier than tap water	Community Group Individual Meetings, Oct - Dec 08	New			Education and Outreach	Many District residents do not feel a personal connection with water and natural resources and therefore do not have a sense of responsibility or ownership which negatively impacts their ability to change behaviors and increase stewardship
53	need a strong and clear education program that will shift people's perceptions of water. Remain consistent in the convictions of the district and be patient.	Community Group Individual Meetings, Oct - Dec 08	New			Education and Outreach	Many District residents do not feel a personal connection with water and natural resources and therefore do not have a sense of responsibility or ownership which negatively impacts their ability to change behaviors and increase stewardship
54	utilize students at Macalester and St. Thomas as interns and volunteers	Community Group Individual Meetings, Oct - Dec 08	New			Education and Outreach	Many District residents do not feel a personal connection with water and natural resources and therefore do not have a sense of responsibility or ownership which negatively impacts their ability to change behaviors and increase stewardship
55	There is a lack of public amenities available to those who need to use water to perform religious rituals.	Community Group Individual Meetings, Oct - Dec 08	New			Education and Outreach	The District's diverse community has a wide range of cultural, social and political relationships with water, community interests, priorities, and opinions of the District's water resources
56	Need to develop a metro-wide education program	Community Issues Identification Meeting #1 12/08/08	New			Education and Outreach	Many District residents do not feel a personal connection with water and natural resources and therefore do not have a sense of responsibility or ownership which negatively impacts their ability to change behaviors and increase stewardship

CRWD 2010 Watershed Management Plan, Issue Identification Matrix

	Issue/Comment	Source*	Issue New vs. Old	Plan Status	Issue Category from Plan, etc.	Issue Category	Issue Statement
59	Collect data on people's perceptions about the Districts water resources; develop a survey	Community Issues Identification Meeting #2 12/09/08	New			Education and Outreach	Many District residents do not feel a personal connection with water and natural resources and therefore do not have a sense of responsibility or ownership which negatively impacts their ability to change behaviors and increase stewardship
60	Give more presentations at K-12 schools for long -term impact on upcoming generations	Community Issues Identification Meeting #2 12/09/08	New			Education and Outreach	Many District residents do not feel a personal connection with water and natural resources and therefore do not have a sense of responsibility or ownership which negatively impacts their ability to change behaviors and increase stewardship
61	Refocus on the Mississippi River; establish connections to make it easier for people to access and appreciate the River	Community Issues Identification Meeting #2 12/09/08	New			Education and Outreach	Many District residents do not feel a personal connection with water and natural resources and therefore do not have a sense of responsibility or ownership which negatively impacts their ability to change behaviors and increase stewardship
62	Host tours of constructed raingardens in the District	Community Issues Identification Meeting #2 12/09/08	New			Education and Outreach	Many District residents do not feel a personal connection with water and natural resources and therefore do not have a sense of responsibility or ownership which negatively impacts their ability to change behaviors and increase stewardship
63	Interpretive Center about the river on the river to promote the river	Community Issues Identification Meeting #2 12/09/08	New			Education and Outreach	Many District residents do not feel a personal connection with water and natural resources and therefore do not have a sense of responsibility or ownership which negatively impacts their ability to change behaviors and increase stewardship
64	Need a spokesperson for the River at CRWD; very visible spokesperson	Community Issues Identification Meeting #2 12/09/08	New			Education and Outreach	Many District residents do not feel a personal connection with water and natural resources and therefore do not have a sense of responsibility or ownership which negatively impacts their ability to change behaviors and increase stewardship
65	Host neighborhood-scale events to establish connections to a particular resource and provide education to people in the neighborhood about their actions impacting said resource	Community Issues Identification Meeting #2 12/09/08	New			Education and Outreach	Many District residents do not feel a personal connection with water and natural resources and therefore do not have a sense of responsibility or ownership which negatively impacts their ability to change behaviors and increase stewardship
66	Highlight historical and cultural stories related to the River to create ownerships	Community Issues Identification Meeting #2 12/09/08	New			Education and Outreach	Many District residents do not feel a personal connection with water and natural resources and therefore do not have a sense of responsibility or ownership which negatively impacts their ability to change behaviors and increase stewardship
67	Promote public art; incorporate images of lakes in mailings and into the CRWD logo	Community Issues Identification Meeting #2 12/09/08	New			Education and Outreach	Many District residents do not feel a personal connection with water and natural resources and therefore do not have a sense of responsibility or ownership which negatively impacts their ability to change behaviors and increase stewardship
68	Sponsor an essay competition/ photo competition in schools with a water resource theme and reward students; publish in CRWD newsletter; create a book, calendar, etc that contain all the entries.	Community Issues Identification Meeting #2 12/09/08	New			Education and Outreach	Many District residents do not feel a personal connection with water and natural resources and therefore do not have a sense of responsibility or ownership which negatively impacts their ability to change behaviors and increase stewardship
69	Create a sense of responsibility in the community to care for the water resources, emphasize that it isn't solely the governments responsibility.	Community Issues Identification Meeting #2 12/09/08	New			Education and Outreach	Many District residents do not feel a personal connection with water and natural resources and therefore do not have a sense of responsibility or ownership which negatively impacts their ability to change behaviors and increase stewardship
76	Tie education efforts in the schools with teaching standards	Community Issues Identification Meeting #3 12/10/08	New			Education and Outreach	Many District residents do not feel a personal connection with water and natural resources and therefore do not have a sense of responsibility or ownership which negatively impacts their ability to change behaviors and increase stewardship
77	Address the implications of "pulses" of education vs. long term development of a higher level of understanding; use education that results in an audience that has the skills to act in the desired manner	Community Issues Identification Meeting #3 12/10/08	New			Education and Outreach	Many District residents do not feel a personal connection with water and natural resources and therefore do not have a sense of responsibility or ownership which negatively impacts their ability to change behaviors and increase stewardship

CRWD 2010 Watershed Management Plan, Issue Identification Matrix

	Issue/Comment	Source*	Issue New vs. Old	Plan Status	Issue Category from Plan, etc.	Issue Category	Issue Statement
78	Understand how the CRWD communities differ in their ideas/values/uses/celebrations of water	Community Issues Identification Meeting #3 12/10/08	New			Education and Outreach	The District's diverse community has a wide range of cultural, social and political relationships with water, community interests, priorities, and opinions of the District's water resources
79	Reach all ages of audiences with education efforts	Community Issues Identification Meeting #3 12/10/08	New			Education and Outreach	The District's diverse community has a wide range of cultural, social and political relationships with water, community interests, priorities, and opinions of the District's water resources
80	Repeat education messages annually such as keeping leaves and grass clippings out of streets	Community Issues Identification Meeting #3 12/10/08	New			Education and Outreach	Many District residents do not feel a personal connection with water and natural resources and therefore do not have a sense of responsibility or ownership which negatively impacts their ability to change behaviors and increase stewardship
81	Need for surveying the district on current level of awareness	Community Issues Identification Meeting #3 12/10/08	New			Education and Outreach	Many District residents do not feel a personal connection with water and natural resources and therefore do not have a sense of responsibility or ownership which negatively impacts their ability to change behaviors and increase stewardship
82	Combine education efforts with monitoring efforts	Community Issues Identification Meeting #3 12/10/08	New			Education and Outreach	Many District residents do not feel a personal connection with water and natural resources and therefore do not have a sense of responsibility or ownership which negatively impacts their ability to change behaviors and increase stewardship
83	Allow for educational efforts to be eligible for stewardship grant programs; organize so that teacher's can utilize the grant program; fund teacher's project more long term	Community Issues Identification Meeting #3 12/10/08	New			Education and Outreach	Many District partners and residents are willing to help the District accomplish its mission if assistance was made available
84	Use public art as a tool for education	Community Issues Identification Meeting #3 12/10/08	New			Education and Outreach	Many District residents do not feel a personal connection with water and natural resources and therefore do not have a sense of responsibility or ownership which negatively impacts their ability to change behaviors and increase stewardship
85	Incorporate educational items in the reconstruction of the Como pool	Community Issues Identification Meeting #3 12/10/08	New			Education and Outreach	Many District residents do not feel a personal connection with water and natural resources and therefore do not have a sense of responsibility or ownership which negatively impacts their ability to change behaviors and increase stewardship
98	Public educational materials in languages other than English to reach a more diverse audience	Community Issues Identification Meeting #4 12/11/08	New			Education and Outreach	The District's diverse community has a wide range of cultural, social and political relationships with water, community interests, priorities, and opinions of the District's water resources
99	Engage youth and partnerships through grant programs	Community Issues Identification Meeting #4 12/11/08	New			Education and Outreach	Many District partners and residents are willing to help the District accomplish its mission if assistance was made available
100	Vine Park Brewery has food-grade barrels that could be used for a rain barrel program	Community Issues Identification Meeting #4 12/11/08	New			Education and Outreach	Many District residents do not feel a personal connection with water and natural resources and therefore do not have a sense of responsibility or ownership which negatively impacts their ability to change behaviors and increase stewardship
101	Address education and stewardship with youth and multicultural communities, working partnerships, subcontract with these communities	Community Issues Identification Meeting #4 12/11/08	New			Education and Outreach	The District's diverse community has a wide range of cultural, social and political relationships with water, community interests, priorities, and opinions of the District's water resources
102	Increase promotion of green roofs, rain gardens, rain barrels, and pervious pavers	Community Issues Identification Meeting #4 12/11/08	New			Education and Outreach	Many District residents do not feel a personal connection with water and natural resources and therefore do not have a sense of responsibility or ownership which negatively impacts their ability to change behaviors and increase stewardship
103	Focus on multi-cultural education/outreach	Community Issues Identification Meeting #4 12/11/08	New			Education and Outreach	The District's diverse community has a wide range of cultural, social and political relationships with water, community interests, priorities, and opinions of the District's water resources

CRWD 2010 Watershed Management Plan, Issue Identification Matrix

	Issue/Comment	Source*	Issue New vs. Old	Plan Status	Issue Category from Plan, etc.	Issue Category	Issue Statement
139	Education and awareness about the watershed and water quality (targeting diverse audiences)	CRWD Five-Year Strategic Plan 2008-2012	Old	Final	Goal	Education and Outreach	The District's diverse community has a wide range of cultural, social and political relationships with water, community interests, priorities, and opinions of the District's water resources
140	Enhance communication to educate the public and raise awareness (develop an education plan that tailors outreach to different communities' interests)	CRWD Five-Year Strategic Plan 2008-2012	Old	Final	Strategy	Education and Outreach	The District's diverse community has a wide range of cultural, social and political relationships with water, community interests, priorities, and opinions of the District's water resources
159	Monitoring data should be used to inform education efforts and to measure the effects of education efforts	CRWD Staff Issues Meeting	New	N/A	N/A	Education and Outreach	Many District residents do not feel a personal connection with water and natural resources and therefore do not have a sense of responsibility or ownership which negatively impacts their ability to change behaviors and increase stewardship
160	CRWD should work to reconnect residents to Mississippi River through educational efforts (e.g. educate the public on the relationship between city streets and the river)	CRWD Staff Issues Meeting	New	N/A	N/A	Education and Outreach	Many District residents do not feel a personal connection with water and natural resources and therefore do not have a sense of responsibility or ownership which negatively impacts their ability to change behaviors and increase stewardship
161	How can the CRWD build on organized groups of citizens to maximize stewardship activities? (e.g. Loeb Lake, Como Lake, Willow Reserve)	CRWD Staff Issues Meeting	New	N/A	N/A	Education and Outreach	The District is in the unique position to be able to identify and support collaborations between various partners/stakeholders with similar projects and programs
162	In order to educate residents and visitors to the watershed about litter issues, the CRWD could use billboards showing how cigarette butts get into Mississippi River via storm sewers when left in the street (potential partners include: City of St. Paul)	CRWD Staff Issues Meeting	New	N/A	N/A	Education and Outreach	Many District residents do not feel a personal connection with water and natural resources and therefore do not have a sense of responsibility or ownership which negatively impacts their ability to change behaviors and increase stewardship
163	CRWD should develop methods/strategies to ensure long term involvement of groups not previously involved with the district in CRWD planning processes. Approach should acknowledge that distribution of ethnic groups varies across watershed (i.e. watershed education efforts typically follow subwatershed boundaries but those boundaries may not apply to ethnic groups)	CRWD Staff Issues Meeting	New	N/A	N/A	Education and Outreach	The District's diverse community has a wide range of cultural, social and political relationships with water, community interests, priorities, and opinions of the District's water resources
164	CRWD staff would like public involvement efforts to reflect population of district	CRWD Staff Issues Meeting	New	N/A	N/A	Education and Outreach	The District's diverse community has a wide range of cultural, social and political relationships with water, community interests, priorities, and opinions of the District's water resources
165	To continue making progress on water quality and other goals, CRWD will have to encourage groups not traditionally reached to change behavior/adopt best management practices	CRWD Staff Issues Meeting	New	N/A	N/A	Education and Outreach	The District's diverse community has a wide range of cultural, social and political relationships with water, community interests, priorities, and opinions of the District's water resources
166	Link BMP monitoring to education program => let people know how effective BMPs are	CRWD Staff Issues Meeting	New	N/A	N/A	Education and Outreach	Monitoring and research data is difficult for the public to access and understand
167	Link education program to other district programs to ensure effectiveness of education efforts, tailor education efforts to level of knowledge of audience	CRWD Staff Issues Meeting	New	N/A	N/A	Education and Outreach	Monitoring and research data are needed to understand the watershed, identify problems and determine appropriate watershed management approaches within the District
168	CRWD should develop a more robust/meaningful volunteer program that empowers volunteers	CRWD Staff Issues Meeting	New	N/A	N/A	Education and Outreach	Many District residents do not feel a personal connection with water and natural resources and therefore do not have a sense of responsibility or ownership which negatively impacts their ability to change behaviors and increase stewardship
169	CRWD should work with Como Lake Golf Course staff to establish management practices to prevent geese in or near water quality ponds on golf course	CRWD Staff Issues Meeting	New	N/A	N/A	Education and Outreach	The pollutant load of stormwater has impacted the quality of water in the District's lakes, wetlands and the Mississippi River
170	CRWD should educate watershed residents/businesses/property managers about water quality problems associated with geese and how to prevent them (e.g. sheep pasture infiltration basin, any open water with grass to the edge)	CRWD Staff Issues Meeting	New	N/A	N/A	Education and Outreach	The pollutant load of stormwater has impacted the quality of water in the District's lakes, wetlands and the Mississippi River
171	CRWD should encourage golf courses to participate in an Audubon Society certification for golf courses that deals with geese and wildlife management	CRWD Staff Issues Meeting	New	N/A	N/A	Education and Outreach	The pollutant load of stormwater has impacted the quality of water in the District's lakes, wetlands and the Mississippi River

CRWD 2010 Watershed Management Plan, Issue Identification Matrix

	Issue/Comment	Source*	Issue New vs. Old	Plan Status	Issue Category from Plan, etc.	Issue Category	Issue Statement
172	CRWD should create a certification program for park management similar to the Audubon Society certification for golf courses	CRWD Staff Issues Meeting	New	N/A	N/A	Education and Outreach	Many District residents do not feel a personal connection with water and natural resources and therefore do not have a sense of responsibility or ownership which negatively impacts their ability to change behaviors and increase stewardship
173	CRWD should work with cities on street maintenance/management (e.g. street sweeping, salting/sanding) and encourage cities to develop a maintenance schedule linked to water quality instead of or in addition to aesthetics	CRWD Staff Issues Meeting	New	N/A	N/A	Education and Outreach	The pollutant load of stormwater has impacted the quality of water in the District's lakes, wetlands and the Mississippi River
214	Educate watershed community on the functions and values of wetlands in the urban setting.	CRWD Watershed Management Plan, 2000-2010	Old	Final	Wetland Restoration and Protection	Education and Outreach	Many District residents do not feel a personal connection with water and natural resources and therefore do not have a sense of responsibility or ownership which negatively impacts their ability to change behaviors and increase stewardship
231	The CRWD Education & Outreach Program has not targeted Loeb Lake users and residents who live nearby.	DRAFT Loeb Lake Management Plan (2008)	Old	DRAFT	Lake and Watershed Education	Education and Outreach	Many District residents do not feel a personal connection with water and natural resources and therefore do not have a sense of responsibility or ownership which negatively impacts their ability to change behaviors and increase stewardship
249	Education is critical to the effective management of Lake McCarrons	Lake McCarrons Management Plan (2003)	Old	Final	Other Concerns	Education and Outreach	Many District residents do not feel a personal connection with water and natural resources and therefore do not have a sense of responsibility or ownership which negatively impacts their ability to change behaviors and increase stewardship
257	There is a lack of public amenities available to those who need to use water to perform religious rituals.	Leo J. Anonymous	New	N/A	Water Related Services	Education and Outreach	The District's diverse community has a wide range of cultural, social and political relationships with water, community interests, priorities, and opinions of the District's water resources
258	The majority of people do not understand or appreciate the cultural or religious relationships that others in society have with water.	Leo J. Anonymous	New	N/A	Education	Education and Outreach	The District's diverse community has a wide range of cultural, social and political relationships with water, community interests, priorities, and opinions of the District's water resources
259	The majority of people prefer to pay for bottled water than to drink tap water because they perceive bottled water as being "cleaner" of "healthier" while it may not be (e.g. Coca Cola botling tap water and selling to customers).	Leo J. Anonymous	New	N/A	Education	Education and Outreach	Many District residents do not feel a personal connection with water and natural resources and therefore do not have a sense of responsibility or ownership which negatively impacts their ability to change behaviors and increase stewardship
261	The most effective way to foster change is to educate people, to remain consistent in one's convictions and to be patient. The CRWD needs to develop a clear and strong education program that will get people to shift their perceptions about water.	Leo J. Anonymous	New	N/A	Education	Education and Outreach	Many District residents do not feel a personal connection with water and natural resources and therefore do not have a sense of responsibility or ownership which negatively impacts their ability to change behaviors and increase stewardship
262	Based on the experience of running a small business in the Mac-Groveland area of St. Paul it is evident that students at Macalester College and St. Thomas (?) are very educated and motivated and would make great interns or volunteers who could help the District with its watershed management activities.	Leo J. Anonymous	New	N/A	Interagency and Partnerships Coordination	Funding and Organization	An effective watershed organization needs to plan for change, growth, and development
279	Public perceptions of water quality: Public perceptions about water quality, right or wrong, that often drive actions by government decision-makers within MNRRA and elsewhere.	NPS MNRRA Water Resources Information and Issues Overview Report (2006)	Old	DRAFT	Socio-Environmental Issues	Education and Outreach	Many District residents do not feel a personal connection with water and natural resources and therefore do not have a sense of responsibility or ownership which negatively impacts their ability to change behaviors and increase stewardship
314	Education/outreach efforts	Ramsey County Groundwater Protection Plan	OLD	WIP		Education and Outreach	Many District residents do not feel a personal connection with water and natural resources and therefore do not have a sense of responsibility or ownership which negatively impacts their ability to change behaviors and increase stewardship
328	Focus on getting people to take responsibility for the resources	Special Board Workshop Issues Identification Process and Update	New			Education and Outreach	Many District residents do not feel a personal connection with water and natural resources and therefore do not have a sense of responsibility or ownership which negatively impacts their ability to change behaviors and increase stewardship
330	How can we change people's behavior so we don't have to spend so much on cleaning up the mess? Make people responsible for their actions	Special Board Workshop Issues Identification Process and Update	New			Education and Outreach	Many District residents do not feel a personal connection with water and natural resources and therefore do not have a sense of responsibility or ownership which negatively impacts their ability to change behaviors and increase stewardship

CRWD 2010 Watershed Management Plan, Issue Identification Matrix

	Issue/Comment	Source*	Issue New vs. Old	Plan Status	Issue Category from Plan, etc.	Issue Category	Issue Statement
95	Develop a recognition program for businesses with stormwater friendly features	Community Issues Identification Meeting #3 12/10/08	New			Education and Outreach	Many District residents do not feel a personal connection with water and natural resources and therefore do not have a sense of responsibility or ownership which negatively impacts their ability to change behaviors and increase stewardship
341	Build a connection with the river	Special Board Workshop Issues Identification Process and Update	New			Education and Outreach	Many District residents do not feel a personal connection with water and natural resources and therefore do not have a sense of responsibility or ownership which negatively impacts their ability to change behaviors and increase stewardship
263	Water, as a finite resource, is taken for granted in the mid-west. Given it's abundance in our region, it is cheap and people don't see the need to practice conservation measures (they waste water).	Leo J. Anonymous	New	N/A	Water Conservation	Education and Outreach	Many District residents do not feel a personal connection with water and natural resources and therefore do not have a sense of responsibility or ownership which negatively impacts their ability to change behaviors and increase stewardship
264	To some people in the watershed district (e.g. those people from other cultural groups) a gallon of water is more valuable than the chance of winning a lottery ticket.	Leo J. Anonymous	New	N/A	Water Conservation	Education and Outreach	Many District residents do not feel a personal connection with water and natural resources and therefore do not have a sense of responsibility or ownership which negatively impacts their ability to change behaviors and increase stewardship
91	Increase internships available at the CRWD; provide paid internships	Community Issues Identification Meeting #3 12/10/08	New			Education and Outreach	An effective watershed organization needs to plan for change, growth, and development
71	Continue funding grant programs	Community Issues Identification Meeting #2 12/09/08	New			Funding and Organization	Many District partners and residents are willing to help the District accomplish its mission if assistance was made available
174	CRWD needs to find funding sources for wetland restoration	CRWD Staff Issues Meeting	New	N/A	N/A	Funding and Organization	Multiple funding mechanisms and outside funding sources are available and need to be utilized by the District to offset financial needs
237	Funding for brownfield redevelopment outside of specific projects	Falcon Heights Water Resource Management Plan (2008)	OLD	Final	Urban Redevelopment	Funding and Organization	Multiple funding mechanisms and outside funding sources are available and need to be utilized by the District to offset financial needs
353	The capital improvement projects outlined within the City's Surface Water Management Plan and the general operating procedures of the City are sufficient to address water resource related concerns. However, the Storm Water Utility Fund, by itself, may not be an adequate funding source to allow for the aggressive implementation of the capital improvement projects.	St Paul Local Surface Water Management Plan (2006)	Old	Final	The adequacy of capital improvement projects to correct problems relating to water quantity, water quality management, fish and wildlife habitat, public waters and wetland management, and recreational opportunities	Funding and Organization	Multiple funding mechanisms and outside funding sources are available and need to be utilized by the District to offset financial needs
354	The City anticipates that there will be increased demand to improve the quality of water within the City and the appearance of storm water retention areas. Additional funding sources will need to be sought to address this demand.	St Paul Local Surface Water Management Plan (2006)	Old	Final	Identification of potential problems which are anticipated to occur within the next twenty years based on growth projections and planned urbanization	Funding and Organization	The District is in the unique position to be able to identify and support collaborations between various partners/stakeholders with similar projects and programs
389	CRWD becoming a funding source for site specific stormwater projects and co-applicant for grants	Technical Advisory Meeting Issues Identification 11/18/08	New			Funding and Organization	The District is in the unique position to be able to identify and support collaborations between various partners/stakeholders with similar projects and programs
390	Look for intercommunity option. Identify opportunities for inter-regional and inter-community cost savings. CRWD is in best position to recognize these opportunities	Technical Advisory Meeting Issues Identification 11/18/08	New			Funding and Organization	The District is in the unique position to be able to identify and support collaborations between various partners/stakeholders with similar projects and programs
391	Partnerships with Cities/agencies on project implementation	Technical Advisory Meeting Issues Identification 11/18/08	New			Funding and Organization	The District is in the unique position to be able to identify and support collaborations between various partners/stakeholders with similar projects and programs

CRWD 2010 Watershed Management Plan, Issue Identification Matrix

	Issue/Comment	Source*	Issue New vs. Old	Plan Status	Issue Category from Plan, etc.	Issue Category	Issue Statement
392	Funding regional BMPs	Technical Advisory Meeting Issues Identification 11/18/08	New			Funding and Organization	The District is in the unique position to be able to identify and support collaborations between various partners/stakeholders with similar projects and programs
393	Acquisition of more park land is a needed of the City. Look for opportunities to combine regional treatment with park land creation	Technical Advisory Meeting Issues Identification 11/18/08	New			Funding and Organization	The District is in the unique position to be able to identify and support collaborations between various partners/stakeholders with similar projects and programs
395	Funding of new BMPS	Technical Advisory Meeting Issues Identification 11/18/08	New			Funding and Organization	The District is in the unique position to be able to identify and support collaborations between various partners/stakeholders with similar projects and programs
106	Maintain ongoing communication with an appointee of each municipality; specifically Lauderdale.	Community Issues Identification Meeting #4 12/11/08	New			Funding and Organization	The District is in the unique position to be able to identify and support collaborations between various partners/stakeholders with similar projects and programs
107	Partner with other WDs to help municipalities that fall within multiple districts	Community Issues Identification Meeting #4 12/11/08	New			Funding and Organization	The District is in the unique position to be able to identify and support collaborations between various partners/stakeholders with similar projects and programs
108	Focus on multi-jurisdictional cooperation/planning	Community Issues Identification Meeting #4 12/11/08	New			Funding and Organization	The District is in the unique position to be able to identify and support collaborations between various partners/stakeholders with similar projects and programs
142	Be a key partner (collaborate with citizens and other entities)	CRWD Five-Year Strategic Plan 2008-2012	Old	Final	Goal	Funding and Organization	The District is in the unique position to be able to identify and support collaborations between various partners/stakeholders with similar projects and programs
144	Develop projects and programs (work with partners to identify highest priority problems and develop projects and programs to strategically address them)	CRWD Five-Year Strategic Plan 2008-2012	Old	Final	Strategy	Funding and Organization	The District is in the unique position to be able to identify and support collaborations between various partners/stakeholders with similar projects and programs
145	Continue to develop and maintain partnerships	CRWD Five-Year Strategic Plan 2008-2012	Old	Final	Strategy	Funding and Organization	The District is in the unique position to be able to identify and support collaborations between various partners/stakeholders with similar projects and programs
189	CRWD lacks financial resources to implement all its programs, need to identify methods/sources for additional funding and/or a way to prioritize projects/programs that develop out of the plan	CRWD Staff Issues Meeting	New	N/A	N/A	Funding and Organization	The District must prioritize programs and projects to ensure that the District's goals are met in the most efficient, and cost effective manner
72	Look for additional partnerships	Community Issues Identification Meeting #2 12/09/08	New			Funding and Organization	The District is in the unique position to be able to identify and support collaborations between various partners/stakeholders with similar projects and programs
143	Strategic projects (select projects that will improve water resources and efficiently use resources)	CRWD Five-Year Strategic Plan 2008-2012	Old	Final	Goal	Funding and Organization	The District must prioritize programs and projects to ensure that the District's goals are met in the most efficient, and cost effective manner
190	CRWD needs clear prioritization criteria for all Grant Programs (how should projects be selected), need to develop criteria for selecting/approving projects that are applying for CRWD grants (e.g. size, need for funding, water quality improvements, innovation, collaboration, etc)	CRWD Staff Issues Meeting	New	N/A	N/A	Funding and Organization	Many District partners and residents are willing to help the District accomplish its mission if assistance was made available
282	The MNRRA corridor faces a number of complex and inter-related water resource issues. Equally evident is that these issues are tended to by many water management organizations with overlapping and/or fragmented jurisdictions and a range of water resource management objectives.	NPS MNRRA Water Resources Information and Issues Overview Report (2006)	Old	DRAFT	Interagency and Partnerships Coordination	Funding and Organization	The District is in the unique position to be able to identify and support collaborations between various partners/stakeholders with similar projects and programs
400	Continue with interagency coordination, regional. Synergy when working with other groups.	Technical Advisory Meeting Issues Identification 11/18/08	New			Funding and Organization	The District is in the unique position to be able to identify and support collaborations between various partners/stakeholders with similar projects and programs

CRWD 2010 Watershed Management Plan, Issue Identification Matrix

	Issue/Comment	Source*	Issue New vs. Old	Plan Status	Issue Category from Plan, etc.	Issue Category	Issue Statement
322	Assist cities with Wellhead Protection Plans	Ramsey County Groundwater Protection Plan	OLD	WIP		Funding and Organization	Within an urbanized area, runoff from impervious surfaces is directed to storm sewers and discharged to surface waters rather than infiltrating into the ground resulting in a loss of recharged groundwater supplies and impacts to receiving waters
414	Developing optimal partnerships for long term. How is it developed and how does it look - structure?	Technical Advisory Meeting Issues Identification 11/18/08	New			Funding and Organization	The District is in the unique position to be able to identify and support collaborations between various partners/stakeholders with similar projects and programs
105	Keep government involvement in the periphery; too many regulatory bodies is complicated and confusing	Community Issues Identification Meeting #4 12/11/08	New			Funding and Organization	The District is in the unique position to be able to identify and support collaborations between various partners/stakeholders with similar projects and programs
191	CRWD should identify its role in wildlife habitat, greening, LID, Green Infrastructure. Should the district more actively promote habitat management, LID, Green Infrastructure? What are the districts goals in regards to wildlife habitat/management?	CRWD Staff Issues Meeting	New	N/A	N/A	Future Trends	The ecological integrity of many of the District's water resources has degraded to a point where the resources are not providing their original level of function or value
6	In 10 years, we won't be able to clean up fast enough to accommodate Pepin TMDL.	Citizen Advisory Committee Meeting Issues Identification 12/10/08	New			Future Trends	The pollutant load of stormwater has impacted the quality of water in the District's lakes, wetlands and the Mississippi River
7	Application for clean water legacy funds 2009-10	Citizen Advisory Committee Meeting Issues Identification 12/10/08	New			Future Trends	Multiple funding mechanisms and outside funding sources are available and need to be utilized by the District to offset financial needs
8	Clarify the District's legal requirement to achieve Pepin TMDL.	Citizen Advisory Committee Meeting Issues Identification 12/10/08	New			Future Trends	The pollutant load of stormwater has impacted the quality of water in the District's lakes, wetlands and the Mississippi River
70	Future trends should include increasing partnerships and collaborations vs. relying on regulations to manage water resources	Community Issues Identification Meeting #2 12/09/08	New			Future Trends	Future watershed management strategies need to be responsive to emerging issues resulting from climate change, and technological advances
86	Address the implications of climate change and adapt practices implemented	Community Issues Identification Meeting #3 12/10/08	New			Future Trends	Future watershed management strategies need to be responsive to emerging issues resulting from climate change, and technological advances
87	Look at cutting edge technologies and types of practices being used in other places	Community Issues Identification Meeting #3 12/10/08	New			Future Trends	Future watershed management strategies need to be responsive to emerging issues resulting from climate change, and technological advances
88	Future trends should include the latest methods of communication, internet, facebook, text messages, etc.	Community Issues Identification Meeting #3 12/10/08	New			Future Trends	Future watershed management strategies need to be responsive to emerging issues resulting from climate change, and technological advances
104	Prepare for Lake Pepin TMDL reductions	Community Issues Identification Meeting #4 12/11/08	New			Future Trends	The pollutant load of stormwater has impacted the quality of water in the District's lakes, wetlands and the Mississippi River
280	Population growth: The Minneapolis-St. Paul metropolitan area is projected to experience significant population growth in the next 25 years. These new regional residents will need places to live, shop, work and recreate. They will consume additional drinking water and will produce additional waste.	NPS MNRRA Water Resources Information and Issues Overview Report (2006)	Old	DRAFT	Socio-Environmental Issues	Future Trends	The District's diverse community has a wide range of cultural, social and political relationships with water, community interests, priorities, and opinions of the District's water resources
331	Create a way for residents to view monitoring online in real-time, something interactive that shows people where water is going above and below ground.	Special Board Workshop Issues Identification Process and Update	New			Future Trends	Future watershed management strategies need to be responsive to emerging issues resulting from climate change, and technological advances

CRWD 2010 Watershed Management Plan, Issue Identification Matrix

	Issue/Comment	Source*	Issue New vs. Old	Plan Status	Issue Category from Plan, etc.	Issue Category	Issue Statement
332	Need to address climate change	Special Board Workshop Issues Identification Process and Update	New			Future Trends	Future watershed management strategies need to be responsive to emerging issues resulting from climate change, and technological advances
381	Use of trees and other practices for stormwater treatment. Engineering soils that can be paved over	Technical Advisory Meeting Issues Identification 11/18/08	New			Future Trends	Future watershed management strategies need to be responsive to emerging issues resulting from climate change, and technological advances
382	Look for strategic opportunities to be proactive on emerging issues- i.e. road salt application	Technical Advisory Meeting Issues Identification 11/18/08	New			Future Trends	Future watershed management strategies need to be responsive to emerging issues resulting from climate change, and technological advances
383	Alternate ways for property owners to keep their sidewalks safe without use of salt	Technical Advisory Meeting Issues Identification 11/18/08	New			Future Trends	Future watershed management strategies need to be responsive to emerging issues resulting from climate change, and technological advances
384	CRWD taking role on researching new technologies and informing cities. Staying on top of future trends	Technical Advisory Meeting Issues Identification 11/18/08	New			Future Trends	Future watershed management strategies need to be responsive to emerging issues resulting from climate change, and technological advances
385	Gray water re-use	Technical Advisory Meeting Issues Identification 11/18/08	New			Future Trends	Future watershed management strategies need to be responsive to emerging issues resulting from climate change, and technological advances
386	Combine CRWD criteria for stormwater with other disciplines (e.g. architecture)	Technical Advisory Meeting Issues Identification 11/18/08	New			Future Trends	Future watershed management strategies need to be responsive to emerging issues resulting from climate change, and technological advances
387	Climate change and the impact that has on standards, sizing, etc.	Technical Advisory Meeting Issues Identification 11/18/08	New			Future Trends	Future watershed management strategies need to be responsive to emerging issues resulting from climate change, and technological advances
388	Sustainability/LEED/Green initiatives	Technical Advisory Meeting Issues Identification 11/18/08	New			Future Trends	Future watershed management strategies need to be responsive to emerging issues resulting from climate change, and technological advances
197	Determine impact and the District's response to the impact of climate change on water resource management	CRWD Staff Issues Meeting	New			Future Trends	Monitoring and research data are needed to understand the watershed, identify problems and determine appropriate watershed management approaches within the District
344	Address the pressure point of the Lake Pepin TMDL	Special Board Workshop Issues Identification Process and Update	New			Future Trends	The pollutant load of stormwater has impacted the quality of water in the District's lakes, wetlands and the Mississippi River
89	Improve the delivery of the monitoring programs information	Community Issues Identification Meeting #3 12/10/08	New			Monitoring and Data Assessment	Monitoring and research data is difficult for the public to access and understand
90	Utilize students for monitoring	Community Issues Identification Meeting #3 12/10/08	New			Monitoring and Data Assessment	Monitoring and research data are needed to understand the watershed, identify problems and determine appropriate watershed management approaches within the District
124	Studying sediments to determine historic levels of nutrients would help establish appropriate expectations and management goals	Como Lake Strategic Management Plan Report (2002)	Old	Final	Water Quality	Monitoring and Data Assessment	Monitoring and research data are needed to understand the watershed, identify problems and determine appropriate watershed management approaches within the District

CRWD 2010 Watershed Management Plan, Issue Identification Matrix

	Issue/Comment	Source*	Issue New vs. Old	Plan Status	Issue Category from Plan, etc.	Issue Category	Issue Statement
141	Perform research and development and share findings	CRWD Five-Year Strategic Plan 2008-2012	Old	Final	Strategy	Monitoring and Data Assessment	Monitoring and research data are needed to understand the watershed, identify problems and determine appropriate watershed management approaches within the District
175	Monitoring data should be used to identify water quality issues within each subwatershed (e.g. the Kittson-Dale subwatershed regularly violates bacteria standards)	CRWD Staff Issues Meeting	New	N/A	N/A	Monitoring and Data Assessment	Monitoring and research data are needed to understand the watershed, identify problems and determine appropriate watershed management approaches within the District
176	CRWD needs additional monitoring equipment in order to effectively monitor the entire watershed	CRWD Staff Issues Meeting	New	N/A	N/A	Monitoring and Data Assessment	Monitoring and research data are needed to understand the watershed, identify problems and determine appropriate watershed management approaches within the District
177	CRWD lacks information on best management practices (BMPs) within the district (who owns BMPs, does the BMP work, is it being maintained, etc)	CRWD Staff Issues Meeting	New	N/A	N/A	Monitoring and Data Assessment	Regular maintenance is critical to the success of stormwater BMPs and is not consistently performed to achieve desired performance
178	CRWD lacks good soil and geologic data for the watershed (information would aid permitting process)	CRWD Staff Issues Meeting	New	N/A	N/A	Monitoring and Data Assessment	Monitoring and research data are needed to understand the watershed, identify problems and determine appropriate watershed management approaches within the District
179	CRWD should conduct a study/survey to map/identify soils and depth to groundwater	CRWD Staff Issues Meeting	New	N/A	N/A	Monitoring and Data Assessment	Monitoring and research data are needed to understand the watershed, identify problems and determine appropriate watershed management approaches within the District
180	CRWD should create central database of potential pollution sources (like Met Council/Dakota County pilot project)	CRWD Staff Issues Meeting	New	N/A	N/A	Monitoring and Data Assessment	Monitoring and research data are needed to understand the watershed, identify problems and determine appropriate watershed management approaches within the District
181	CRWD should develop an approach/program that allows for research and publication/reporting of collected data (especially BMP monitoring => show what works, what doesn't, etc) (potential partners include: university students - may have to at least partially fund their research, professors who have graduate students who need projects)	CRWD Staff Issues Meeting	New	N/A	N/A	Monitoring and Data Assessment	Monitoring and research data is difficult for the public to access and understand
182	CRWD should inventory BMPs installed as part of the Stewardship Grant Program: Are landowners maintaining infrastructure? Is a BMP being maintained at all? Use permit information to identify BMP sites. Good project for a student/intern	CRWD Staff Issues Meeting	New	N/A	N/A	Monitoring and Data Assessment	Monitoring and research data is difficult for the public to access and understand
183	CRWD should link monitoring/research to questions that came up during the SONAR/rule making process	CRWD Staff Issues Meeting	New	N/A	N/A	Monitoring and Data Assessment	Monitoring and research data are needed to understand the watershed, identify problems and determine appropriate watershed management approaches within the District
184	CRWD lacks information about quality of water leaving the bottom of an infiltration trench or other infiltration practices (i.e. is groundwater being contaminated by water leaving streets?)	CRWD Staff Issues Meeting	New	N/A	N/A	Monitoring and Data Assessment	Within an urbanized area, runoff from impervious surfaces is directed to storm sewers and discharged to surface waters rather than infiltrating into the ground resulting in a loss of recharged groundwater supplies and impacts to receiving waters
185	CRWD should tie historical data/quality of lakes to lake goals, review/conduct research as necessary to determine historic water quality (i.e. When possible CRWD should define reasonable goals for water bodies based on historic quality)	CRWD Staff Issues Meeting	New	N/A	N/A	Monitoring and Data Assessment	Monitoring and research data are needed to understand the watershed, identify problems and determine appropriate watershed management approaches within the District
186	CRWD should monitor wetlands in order to know how to manage them	CRWD Staff Issues Meeting	New	N/A	N/A	Monitoring and Data Assessment	Monitoring and research data are needed to understand the watershed, identify problems and determine appropriate watershed management approaches within the District
187	CRWD should define how its wetland program interfaces with cities wetland management programs	CRWD Staff Issues Meeting	New	N/A	N/A	Monitoring and Data Assessment	The District is in the unique position to be able to identify and support collaborations between various partners/stakeholders with similar projects and programs
188	CRWD should develop a citizen wetland monitoring program (could join the Wetland Health Evaluation Program that Hennepin and Dakota Counties use)	CRWD Staff Issues Meeting	New	N/A	N/A	Monitoring and Data Assessment	Monitoring and research data are needed to understand the watershed, identify problems and determine appropriate watershed management approaches within the District
232	The condition of the Loeb Lake shoreline is unknown.	DRAFT Loeb Lake Management Plan (2008)	Old	DRAFT	Shoreline Environment	Monitoring and Data Assessment	The ecological integrity of many of the District's water resources has degraded to a point where the resources are not providing their original level of function or value

CRWD 2010 Watershed Management Plan, Issue Identification Matrix

	Issue/Comment	Source*	Issue New vs. Old	Plan Status	Issue Category from Plan, etc.	Issue Category	Issue Statement
233	Willow Reserve has been designated as a "pressure relief valve" for the St. Paul Storm Sewer System, additional hydrologic and hydraulic information should be obtained before establishing restoration goals.	DRAFT Loeb Lake Management Plan (2008)	Old	DRAFT	Hydrologic Regime and Water Budget	Monitoring and Data Assessment	Monitoring and research data are needed to understand the watershed, identify problems and determine appropriate watershed management approaches within the District
281	Information and understanding: Participants at the 2005 MNRRA Water Resources Scoping Workshop emphasized that much remains to be learned about the Upper Mississippi River in general, and the MNRRA corridor in particular. Within MNRRA, already complex large river processes interact with major tributary inputs and a wide range of human influences, yet ecological research and modeling efforts for this reach of river lag behind those of other Upper Mississippi River pools. Additionally, good baseline data are unavailable for many groups of aquatic biota.	NPS MNRRA Water Resources Information and Issues Overview Report (2006)	Old	DRAFT	Ecosystem Restoration and Understanding	Monitoring and Data Assessment	Monitoring and research data are needed to understand the watershed, identify problems and determine appropriate watershed management approaches within the District
315	Surface water/groundwater interaction: springs, wetlands, streams, and lakes are affected by the interaction between surface water and groundwater.	Ramsey County Groundwater Protection Plan	OLD	WIP		Monitoring and Data Assessment	Monitoring and research data are needed to understand the watershed, identify problems and determine appropriate watershed management approaches within the District
316	"Early Warning" groundwater well monitoring well systems (specific industries)	Ramsey County Groundwater Protection Plan	OLD	WIP		Monitoring and Data Assessment	Monitoring and research data are needed to understand the watershed, identify problems and determine appropriate watershed management approaches within the District
317	Groundwater data acquisition & management (collect baseline water quality data & install continuous water level equipment in some DNR observation wells)	Ramsey County Groundwater Protection Plan	OLD	WIP		Monitoring and Data Assessment	Monitoring and research data are needed to understand the watershed, identify problems and determine appropriate watershed management approaches within the District
318	Groundwater quality baseline monitoring study	Ramsey County Groundwater Protection Plan	OLD	WIP		Monitoring and Data Assessment	Monitoring and research data are needed to understand the watershed, identify problems and determine appropriate watershed management approaches within the District
319	Install automated groundwater level monitoring in observation wells (USGS/grant)	Ramsey County Groundwater Protection Plan	OLD	WIP		Monitoring and Data Assessment	Monitoring and research data are needed to understand the watershed, identify problems and determine appropriate watershed management approaches within the District
333	Need to take a look at Groundwater; know more about our aquifers, how the system operates, conditions of our aquifers	Special Board Workshop Issues Identification Process and Update	New			Monitoring and Data Assessment	Monitoring and research data are needed to understand the watershed, identify problems and determine appropriate watershed management approaches within the District
334	Develop a groundwater monitoring program	Special Board Workshop Issues Identification Process and Update	New			Monitoring and Data Assessment	Monitoring and research data are needed to understand the watershed, identify problems and determine appropriate watershed management approaches within the District
335	Need more information about existing soils and historic soils (contamination sites)	Special Board Workshop Issues Identification Process and Update	New			Monitoring and Data Assessment	Monitoring and research data are needed to understand the watershed, identify problems and determine appropriate watershed management approaches within the District
396	Partner with RCD on research on surface/groundwater interaction (groundwater impacts on surface water features)	Technical Advisory Meeting Issues Identification 11/18/08	New			Monitoring and Data Assessment	Monitoring and research data are needed to understand the watershed, identify problems and determine appropriate watershed management approaches within the District
397	Impact of infiltration on groundwater (monitoring)	Technical Advisory Meeting Issues Identification 11/18/08	New			Monitoring and Data Assessment	Monitoring and research data are needed to understand the watershed, identify problems and determine appropriate watershed management approaches within the District
398	Continue research on new BMPs	Technical Advisory Meeting Issues Identification 11/18/08	New			Monitoring and Data Assessment	Monitoring and research data are needed to understand the watershed, identify problems and determine appropriate watershed management approaches within the District
92	Need to emphasize CRWD efforts and focus on groundwater	Community Issues Identification Meeting #3 12/10/08	New			Monitoring and Data Assessment	Within an urbanized area, runoff from impervious surfaces is directed to storm sewers and discharged to surface waters rather than infiltrating into the ground resulting in a loss of recharged groundwater supplies and impacts to receiving waters
421	Impact of infiltration on groundwater (monitoring)	Technical Advisory Meeting Issues Identification 11/18/08	New			Monitoring and Data Assessment	Monitoring and research data are needed to understand the watershed, identify problems and determine appropriate watershed management approaches within the District

CRWD 2010 Watershed Management Plan, Issue Identification Matrix

	Issue/Comment	Source*	Issue New vs. Old	Plan Status	Issue Category from Plan, etc.	Issue Category	Issue Statement
151	Support regional groundwater efforts and determine CRWD's role	CRWD Five-Year Strategic Plan 2008-2012	Old	Final	Strategy	Monitoring and Data Assessment	Within an urbanized area, runoff from impervious surfaces is directed to storm sewers and discharged to surface waters rather than infiltrating into the ground resulting in a loss of recharged groundwater supplies and impacts to receiving waters
355	The City acknowledges that additional technical and background information is required to efficiently and effectively manage water resources.	St Paul Local Surface Water Management Plan (2006)	Old	Final	The adequacy of existing technical and background information on systems in the City that are used to manage water resources	Monitoring and Data Assessment	Monitoring and research data are needed to understand the watershed, identify problems and determine appropriate watershed management approaches within the District
337	Research water related issues and projects across the country and become a repository for information about water	Special Board Workshop Issues Identification Process and Update	New			Monitoring and Data Assessment	Monitoring and research data is difficult for the public to access and understand
338	develop research papers on specific topics, one paper per year	Special Board Workshop Issues Identification Process and Update	New			Monitoring and Data Assessment	Monitoring and research data is difficult for the public to access and understand
339	Be a center for housing information about demonstration sites, stormwater bmps	Special Board Workshop Issues Identification Process and Update	New			Monitoring and Data Assessment	Monitoring and research data is difficult for the public to access and understand
340	CRWD needs to show results from the constitutional amendment so that more scrutiny will be placed on how monies will be spent	Special Board Workshop Issues Identification Process and Update	New			Urban Stormwater Management	Multiple funding mechanisms and outside funding sources are available and need to be utilized by the District to offset financial needs
412	CRWD could potentially lead implementation of the MS4 requirements	Technical Advisory Meeting Issues Identification 11/18/08	New			Regulations and Enforcement	The District is in the unique position to be able to identify and support collaborations between various partners/stakeholders
413	Someone on the CRWD Staff should become LEED certified	Technical Advisory Meeting Issues Identification 11/18/08	New			Future Trends	An effective watershed organization needs to plan for change, growth, and development
125	Who is responsible for the different aspects of managing Como Lake?	Como Lake Strategic Management Plan Report (2002)	Old	Final	Natural Resource Issues	Commentary	#N/A
215	The Metropolitan Council and City of St. Paul propose to convey the Trout Brook Stormwater System to the District for the future operation and maintenance of the system.	CRWD Watershed Management Plan, 2000-2010	Old	Final	Trout Brook	Old Issue	#N/A
238	Participate in regional natural resource planning prior to redevelopment projects	Falcon Heights Water Resource Management Plan (2008)	OLD	Final	Urban Redevelopment	Ecosystem Health	The loss of natural areas has decreased the ability of the watershed to capture, filter and infiltrate rainwater prior to discharging to the District's water resources
147	Encourage internal growth and development	CRWD Five-Year Strategic Plan 2008-2012	Old	Final	Strategy	Funding and Organization	#N/A
399	Impairments and Assessment Monitoring - ties in with other TMDL and bmp priorities	Technical Advisory Meeting Issues Identification 11/18/08	New			Monitoring and Data Assessment	Monitoring and research data are needed to understand the watershed, identify problems and determine appropriate watershed management approaches within the District
324	Open space in county is protective of groundwater resource	Ramsey County Groundwater Protection Plan	OLD	WIP		Ecosystem Health	The loss of natural areas has decreased the ability of the watershed to capture, filter and infiltrate rainwater prior to discharging to the District's water resources
394	Funding in general ties into TMDLs and BMPs	Technical Advisory Meeting Issues Identification 11/18/08	New			Funding and Organization	Multiple funding mechanisms and outside funding sources are available and need to be utilized by the District to offset financial needs
52	Too many efforts are planned and never implemented. CRWD should write a plan that can and will be implemented	Community Group Individual Meetings, Oct - Dec 08	New			Process, format comment	#N/A
260	A lot of planning efforts end up on the shelf of someone's office without really being implemented. The CRWD should develop a watershed management plan that can be and will be implemented.	Leo J. Anonymous	New	N/A	Education	Process, format comment	#N/A
329	would like Education and Outreach addressed early in the plan, so you don't have to page through to the end of the document	Special Board Workshop Issues Identification Process and Update	New			Process, format comment	#N/A
96	Explore the opportunities to day-light water resources	Community Issues Identification Meeting #3 12/10/08	New			Ecosystem Health	The land within the District developed in a time when resource protection wasn't a priority. As a result there are a number of opportunities to restore historic resources
112	Evaluate the feasibility of day-lighting the historic resources in the District	Community Issues Identification Meeting #4 12/11/08	New			Ecosystem Health	The land within the District developed in a time when resource protection wasn't a priority. As a result there are a number of opportunities to restore historic resources

CRWD 2010 Watershed Management Plan, Issue Identification Matrix

	Issue/Comment	Source*	Issue New vs. Old	Plan Status	Issue Category from Plan, etc.	Issue Category	Issue Statement
152	CRWD lacks a long term vision and management plan for the Trout Brook Storm Sewer; CRWD should encourage residents to see Trout Brook as a resource	CRWD Staff Issues Meeting	New	N/A	N/A	Ecosystem Health	The land within the District developed in a time when resource protection wasn't a priority. As a result there are a number of opportunities to restore historic resources
153	CRWD could day light a portion of the Trout Brook or restore a portion of the stream that is exposed in Arlington/Jackson Park in order to call attention to Trout Brook as a resource (potential partners include: Port Authority, St Paul Regional Water Service)	CRWD Staff Issues Meeting	New	N/A	N/A	Ecosystem Health	The land within the District developed in a time when resource protection wasn't a priority. As a result there are a number of opportunities to restore historic resources
154	CRWD should encourage city to develop comprehensive approach to managing alleys	CRWD Staff Issues Meeting	New	N/A	N/A	Urban Stormwater Management	The District is in the unique position to be able to identify and support collaborations between various partners/stakeholders with similar projects and programs
205	Como Lake is a very important community and regional resource that lacks a strategic plan for future management. The need to include input from all stakeholders, prioritize the issues and associated goals, and identify implementation activities, including institutional and public roles, time frame and funding are key aspects for future management.	CRWD Watershed Management Plan, 2000-2010	Old	Final	Como Lake	Process, format comment	#N/A
265	Water resources at MNRRA are influenced strongly by human land uses occurring within and beyond the corridor boundaries. Much of the land within the MNRRA corridor either is or will soon be developed; land use decisions within the corridor should seek a balance between resource protection, visitor use, and development needs.	NPS MNRRA Water Resources Information and Issues Overview Report (2006)	Old	DRAFT	Land and Water Use and Management	Urban Stormwater Management	#N/A
266	Economic drivers (Commercial navigation): Seven percent of the nation's grain export leaves the Port of St. Paul each year, much of which is loaded on barges at terminals on the Minnesota River. This makes commercial navigation on the Mississippi River an important part of the region's economy.	NPS MNRRA Water Resources Information and Issues Overview Report (2006)	Old	DRAFT	Socio-Environmental Issues	Not within the purview of CRWD	#N/A
267	Economic drivers (Navigation channel maintenance): The U.S. Army Corps of Engineers maintains a nine-foot navigation channel from north Minneapolis to St. Louis. The river's bed load accumulates at predictable places on the river, so periodic channel maintenance dredging occurs at certain locations and not others.	NPS MNRRA Water Resources Information and Issues Overview Report (2006)	Old	DRAFT	Socio-Environmental Issues	Not within the purview of CRWD	#N/A
268	Economic drivers (Riverbank economic development): The last 15 years have seen a tremendous increase in interest in the Mississippi riverfront as a place to live. The public no longer perceives the river as the open sewer it once was, and the desire to live near water has greatly increased the value of riverfront lands. Residential condominium development on the riverfront in Minneapolis and St. Paul has occurred at a rapid pace, and other riverfront residential development projects have been proposed in the suburbs.	NPS MNRRA Water Resources Information and Issues Overview Report (2006)	Old	DRAFT	Socio-Environmental Issues	Not within the purview of CRWD	#N/A
320	Unpermitted dump file review by RCD	Ramsey County Groundwater Protection Plan	OLD	WIP		Urban Stormwater Management	Monitoring and research data are needed to understand the watershed, identify problems and determine appropriate watershed management approaches within the District
408	LGUs appreciate CRWD working on them with the 'cap' on linear projects	Technical Advisory Meeting Issues Identification 11/18/08	New			Regulations and Enforcement	The District needs to maintain clear and effective state-of-the-art rules
19	Don't "lose" goals in previous plans, maintain commitment to achieving goals of previous plans.	Citizen Advisory Committee Meeting Issues Identification 12/10/08	New			Process, format comment	#N/A
323	Document emergency municipal water sharing procedures	Ramsey County Groundwater Protection Plan	OLD	WIP		Not within the purview of CRWD	#N/A
359	It is the position of the City that the goals and policies outlined in the Local Surface Water Management Plan, the contents of the St. Paul Storm Water Annual Report, City ordinances, policies of local watershed districts and watershed management organizations, and the policies of other agencies are adequate to maintain the water level control structures within the City.	St Paul Local Surface Water Management Plan (2006)	Old	Final	The adequacy of programs to maintain water level control structures	Commentary	#N/A
425	Impairments - assessments and inclusion in watershed management plan.	Technical Advisory Meeting Issues Identification 11/18/08	New			Monitoring and Data Assessment	Monitoring and research data are needed to understand the watershed, identify problems and determine appropriate watershed management approaches within the District
12	Ensure provisions in permit for long term maintenance.	Citizen Advisory Committee Meeting Issues Identification 12/10/08	New			Regulations and Enforcement	Coordination with District partners on regulatory issues is needed for more efficient and effective stormwater regulation across all jurisdictions

CRWD 2010 Watershed Management Plan, Issue Identification Matrix

	Issue/Comment	Source*	Issue New vs. Old	Plan Status	Issue Category from Plan, etc.	Issue Category	Issue Statement
13	Maintain inspection/compliance of permitted permanent stormwater controls.	Citizen Advisory Committee Meeting Issues Identification 12/10/08	New			Regulations and Enforcement	Coordination with District partners on regulatory issues is needed for more efficient and effective stormwater regulation across all jurisdictions
14	Consider holding long-term surety to ensure maintenance.	Citizen Advisory Committee Meeting Issues Identification 12/10/08	New			Regulations and Enforcement	Coordination with District partners on regulatory issues is needed for more efficient and effective stormwater regulation across all jurisdictions
15	Consider impact on Mississippi River from chlorinated wastewater from Metro Plant. Strong commitment to rules that make a difference.	Citizen Advisory Committee Meeting Issues Identification 12/10/08	New			Regulations and Enforcement	The pollutant load of stormwater has impacted the quality of water in the District's lakes, wetlands and the Mississippi River
16	Build long-term capacity for inspecting projects (budget and staff) to ensure long-term functionality.	Citizen Advisory Committee Meeting Issues Identification 12/10/08	New			Regulations and Enforcement	Coordination with District partners on regulatory issues is needed for more efficient and effective stormwater regulation across all jurisdictions
57	Member communities should be more active in implementing the District's Rules and Regulations	Community Issues Identification Meeting #1 12/08/08	New			Regulations and Enforcement	Coordination with District partners on regulatory issues is needed for more efficient and effective stormwater regulation across all jurisdictions
109	Increase education about using silt fence adequately and in enough quantity.	Community Issues Identification Meeting #4 12/11/08	New			Regulations and Enforcement	Coordination with District partners on regulatory issues is needed for more efficient and effective stormwater regulation across all jurisdictions
110	Strengthen the road rule so volume can be addressed in public right-of-way	Community Issues Identification Meeting #4 12/11/08	New			Regulations and Enforcement	The District needs to maintain clear and effective state-of-the-art rules
111	Provide incentives and penalties for utilizing or not utilizing BMPs	Community Issues Identification Meeting #4 12/11/08	New			Regulations and Enforcement	Future watershed management strategies need to be responsive to emerging issues resulting from climate change, and technological advances
148	Effective rules and standards	CRWD Five-Year Strategic Plan 2008-2012	Old	Final	Goal	Regulations and Enforcement	The District needs to maintain clear and effective state-of-the-art rules
149	Continually improve rules and guidelines (annually review rules with Technical Advisory Committee)	CRWD Five-Year Strategic Plan 2008-2012	Old	Final	Strategy	Regulations and Enforcement	Coordination with District partners on regulatory issues is needed for more efficient and effective stormwater regulation across all jurisdictions
192	CRWD should continually improve its rules	CRWD Staff Issues Meeting	New	N/A	N/A	Regulations and Enforcement	Coordination with District partners on regulatory issues is needed for more efficient and effective stormwater regulation across all jurisdictions
251	Existing boating rules and regulations are not enforced	Lake McCarrons Management Plan (2003)	Old	Final	Recreational Use	Regulations and Enforcement	The District is in the unique position to be able to identify and support collaborations between various partners/stakeholders with similar projects and programs
253	Enforcement is critical to the effective management of Lake McCarrons	Lake McCarrons Management Plan (2003)	Old	Final	Other Concerns	Regulations and Enforcement	Coordination with District partners on regulatory issues is needed for more efficient and effective stormwater regulation across all jurisdictions
283	Enforcement: Ensuring compliance with land use rules and permit requirements in a rapidly developing metropolitan area is an ongoing concern.	NPS MNRRA Water Resources Information and Issues Overview Report (2006)	Old	DRAFT	Land and Water Use and Management	Regulations and Enforcement	Coordination with District partners on regulatory issues is needed for more efficient and effective stormwater regulation across all jurisdictions
321	Should siting new wells require local review? DNR currently has this responsibility.	Ramsey County Groundwater Protection Plan	OLD	WIP		Commentary	#N/A
336	Consider a stormwater fee or a penalty charge for doing something wrong such as sweeping leaves into the street	Special Board Workshop Issues Identification Process and Update	New			Regulations and Enforcement	Future watershed management strategies need to be responsive to emerging issues resulting from climate change, and technological advances

CRWD 2010 Watershed Management Plan, Issue Identification Matrix

	Issue/Comment	Source*	Issue New vs. Old	Plan Status	Issue Category from Plan, etc.	Issue Category	Issue Statement
356	The City will need to update some of ordinances to be in conformance with the City's Surface Water Management Plan.	St Paul Local Surface Water Management Plan (2006)	Old	Final	Adequacy of existing regulatory controls to manage or mitigate adverse impacts on public waters and wetlands	Regulations and Enforcement	Coordination with District partners on regulatory issues is needed for more efficient and effective stormwater regulation across all jurisdictions
357	The City is required to be in conformance with the NPDES Phase I Program.	St Paul Local Surface Water Management Plan (2006)	Old	Final	Adequacy of existing regulatory controls to manage or mitigate adverse impacts on public waters and wetlands	Regulations and Enforcement	Coordination with District partners on regulatory issues is needed for more efficient and effective stormwater regulation across all jurisdictions
401	Continued coordination with adjacent watersheds, i.e. working with RWMWD on rules.	Technical Advisory Meeting Issues Identification 11/18/08	New			Regulations and Enforcement	Coordination with District partners on regulatory issues is needed for more efficient and effective stormwater regulation across all jurisdictions
402	Bridging surface water resource management with land use management.	Technical Advisory Meeting Issues Identification 11/18/08	New			Regulations and Enforcement	Coordination with District partners on regulatory issues is needed for more efficient and effective stormwater regulation across all jurisdictions
403	Compliance with Non-degradation	Technical Advisory Meeting Issues Identification 11/18/08	New			Regulations and Enforcement	Coordination with District partners on regulatory issues is needed for more efficient and effective stormwater regulation across all jurisdictions
404	Flexibility of regulations & techniques - without flexibility we're locked in. Watershed Rules	Technical Advisory Meeting Issues Identification 11/18/08	New			Regulations and Enforcement	The District needs to maintain clear and effective state-of-the-art rules
405	Continue to look for ways to address volume control	Technical Advisory Meeting Issues Identification 11/18/08	New			Regulations and Enforcement	There are numerous opportunities that the District needs to be aware of and involved in to achieve its mission
406	Clear and efficient regulations.	Technical Advisory Meeting Issues Identification 11/18/08	New			Regulations and Enforcement	The District needs to maintain clear and effective state-of-the-art rules
407	Balance of regulation - there are other environmental/sustainability goals (e.g. LEED practices) that need to be met in addition to surface water	Technical Advisory Meeting Issues Identification 11/18/08	New			Regulations and Enforcement	The District needs to maintain clear and effective state-of-the-art rules
409	Combine CRWD criteria for stormwater with other disciplines (e.g. architecture)	Technical Advisory Meeting Issues Identification 11/18/08	New			Regulations and Enforcement	The District needs to maintain clear and effective state-of-the-art rules
410	We're all in this together. No one agency can forward this agenda without consulting with the others. Mutuality	Technical Advisory Meeting Issues Identification 11/18/08	New			Regulations and Enforcement	Coordination with District partners on regulatory issues is needed for more efficient and effective stormwater regulation across all jurisdictions
342	Need to be more aggressive about stormwater that isn't addressed by TMDL standards	Special Board Workshop Issues Identification Process and Update	New			Regulations and Enforcement	The District needs to maintain clear and effective state-of-the-art rules
343	CRWD needs to take the lead on coordinating load reductions across the cities	Special Board Workshop Issues Identification Process and Update	New			Regulations and Enforcement	The District needs to maintain clear and effective state-of-the-art rules
291	Stormwater Issues: Enforcement of stormwater management activities is difficult, time consuming, and frequently underfunded.	NPS MNRRA Water Resources Information and Issues Overview Report (2006)	Old	DRAFT	Water Quality	Regulations and Enforcement	Coordination with District partners on regulatory issues is needed for more efficient and effective stormwater regulation across all jurisdictions
239	Areas under University of Minnesota jurisdiction are in need of repair to prevent occasional flooding and erosion. Continued cooperation with the U of M is needed to solve these problems	Falcon Heights Water Resource Management Plan (2008)	OLD	Final	University of Minnesota Trolley Path Drainage	Urban Stormwater Management	The quantity of runoff from a highly urbanized area increases the risk of flooding and puts added strain on the infrastructure within the District

CRWD 2010 Watershed Management Plan, Issue Identification Matrix

	Issue/Comment	Source*	Issue New vs. Old	Plan Status	Issue Category from Plan, etc.	Issue Category	Issue Statement
250	More regular trash pick up is needed at the Ramsey County boat ramp at Lake McCarrons	Lake McCarrons Management Plan (2003)	Old	Final	Other Concerns	Urban Stormwater Management	The pollutant load of stormwater has impacted the quality of water in the District's lakes, wetlands and the Mississippi River
73	Go to Falcon Heights and recommend stormwater management practices so that the community could choose what to implement as resources become available	Community Issues Identification Meeting #2 12/09/08	New			Urban Stormwater Management	Coordination with District partners on regulatory issues is needed for more efficient and effective stormwater regulation across all jurisdictions
146	Manage infrastructure (properly monitor and maintain CRWD-owned infrastructure)	CRWD Five-Year Strategic Plan 2008-2012	Old	Final	Strategy	Urban Stormwater Management	The quantity of runoff from a highly urbanized area increases the risk of flooding and puts added strain on the infrastructure within the District
9	Work with partners to do more to improve Crosby Lake area.	Citizen Advisory Committee Meeting Issues Identification 12/10/08	New			Urban Stormwater Management	The ecological integrity of many of the District's water resources has degraded to a point where the resources are not providing their original level of function or value
33	Erosion control needed in the ravine draining into Seminary Pond from Fulham Street	City of Lauderdale Local Surface Water Management Plan	OLD	DRAFT	Natural Resources and Water Quality Issues	Urban Stormwater Management	The pollutant load of stormwater has impacted the quality of water in the District's lakes, wetlands and the Mississippi River
75	Do more in lake management	Community Issues Identification Meeting #2 12/09/08	New			Urban Stormwater Management	The pollutant load of stormwater has impacted the quality of water in the District's lakes, wetlands and the Mississippi River
207	Lake McCarrons has been subject to water quality degradation due to urban impacts. Thermal pollution that impacts lake stratification, increased nutrient loading and two partial winter fish kills are considered undesirable by the community.	CRWD Watershed Management Plan, 2000-2010	Old	Final	Lake McCarrons	Urban Stormwater Management	The pollutant load of stormwater has impacted the quality of water in the District's lakes, wetlands and the Mississippi River
223	Willow Reserve does not have a management plan with specific restoration goals.	DRAFT Loeb Lake Management Plan (2008)	Old	DRAFT	Degree of Desired Restoration	Urban Stormwater Management	The ecological integrity of many of the District's water resources has degraded to a point where the resources are not providing their original level of function or value
345	Bare soils/unstable soils in forested areas of Crosby Farm Regional Park	St Paul Crosby Farm Regional Park Ecological Inventory and Restoration Management Plan (2005)	Old	Final	N/A	Urban Stormwater Management	The pollutant load of stormwater has impacted the quality of water in the District's lakes, wetlands and the Mississippi River
10	Load reduction established through Pepin TMDL process.	Citizen Advisory Committee Meeting Issues Identification 12/10/08	New			Urban Stormwater Management	The pollutant load of stormwater has impacted the quality of water in the District's lakes, wetlands and the Mississippi River
11	Commit to maintaining/achieving water quality standards in all lakes.	Citizen Advisory Committee Meeting Issues Identification 12/10/08	New			Urban Stormwater Management	The pollutant load of stormwater has impacted the quality of water in the District's lakes, wetlands and the Mississippi River
411	TMDLs including BMPs for implementation maintenance etc.	Technical Advisory Meeting Issues Identification 11/18/08	New			Urban Stormwater Management	Regular maintenance is critical to the success of stormwater BMPs and is not consistently performed to achieve desired performance
17	Look for other projects like Arlington-Hamline.	Citizen Advisory Committee Meeting Issues Identification 12/10/08	New			Urban Stormwater Management	There are numerous opportunities that the District needs to be aware of and involved in to achieve its mission
20	Begin cleaning up the water going into the river, e.g. limit to amount of infiltration we can do.	Citizen Advisory Committee Meeting Issues Identification 12/10/08	New			Urban Stormwater Management	#N/A
21	Address pollutant accumulation in raingardens and infiltration basins.	Citizen Advisory Committee Meeting Issues Identification 12/10/08	New			Urban Stormwater Management	The pollutant load of stormwater has impacted the quality of water in the District's lakes, wetlands and the Mississippi River
22	Can't destroy phosphorus, are we just moving the phosphorus to a different spot?	Citizen Advisory Committee Meeting Issues Identification 12/10/08	New			Urban Stormwater Management	The pollutant load of stormwater has impacted the quality of water in the District's lakes, wetlands and the Mississippi River

CRWD 2010 Watershed Management Plan, Issue Identification Matrix

	Issue/Comment	Source*	Issue New vs. Old	Plan Status	Issue Category from Plan, etc.	Issue Category	Issue Statement
24	Sustain commitment to load reductions in Como Lake SMP.	Citizen Advisory Committee Meeting Issues Identification 12/10/08	New			Urban Stormwater Management	Regular maintenance is critical to the success of stormwater BMPs and is not consistently performed to achieve desired performance
25	Complete TMDL format of CLSMP.	Citizen Advisory Committee Meeting Issues Identification 12/10/08	New			Urban Stormwater Management	Regular maintenance is critical to the success of stormwater BMPs and is not consistently performed to achieve desired performance
26	Sustain commitment to BMPs the District has constructed (operation and maintenance)	Citizen Advisory Committee Meeting Issues Identification 12/10/08	New			Urban Stormwater Management	The quantity of runoff from a highly urbanized area increases the risk of flooding and puts added strain on the infrastructure within the District
27	Street sweeping and snow removal, get city to sweep at strategic times.	Citizen Advisory Committee Meeting Issues Identification 12/10/08	New			Urban Stormwater Management	The quantity of runoff from a highly urbanized area increases the risk of flooding and puts added strain on the infrastructure within the District
28	Support for an approach that includes infiltration-less runoff, reduced flows are easier to deal with.	Citizen Advisory Committee Meeting Issues Identification 12/10/08	New			Urban Stormwater Management	The quantity of runoff from a highly urbanized area increases the risk of flooding and puts added strain on the infrastructure within the District
34	Existing conveyance system on Eustis Street between Larpenteur Avenue and Pond 2 needs to be replaced.	City of Lauderdale Local Surface Water Management Plan	OLD	DRAFT	Natural Resources and Water Quality Issues	Urban Stormwater Management	Regular maintenance is critical to the success of stormwater BMPs and is not consistently performed to achieve desired performance
35	Flooding of homes along Pleasant Street, adjacent to Walsh Lake	City of Lauderdale Local Surface Water Management Plan	OLD	DRAFT	Natural Resources and Water Quality Issues	Urban Stormwater Management	Regular maintenance is critical to the success of stormwater BMPs and is not consistently performed to achieve desired performance
58	Need for increased frequency of street sweeping	Community Issues Identification Meeting #1 12/08/08	New			Urban Stormwater Management	#N/A
74	Prioritize Street Sweeping	Community Issues Identification Meeting #2 12/09/08	New			Urban Stormwater Management	There are numerous opportunities that the District needs to be aware of and involved in to achieve its mission
93	Concern with infiltration practices on contaminated sites; need to locate all contaminated sites in the District	Community Issues Identification Meeting #3 12/10/08	New			Urban Stormwater Management	There are numerous opportunities that the District needs to be aware of and involved in to achieve its mission
94	Encourage large businesses to incorporate green/pervious features in parking lots	Community Issues Identification Meeting #3 12/10/08	New			Urban Stormwater Management	There are numerous opportunities that the District needs to be aware of and involved in to achieve its mission
113	Mobile site might be good opportunity for regional treatment; 50 acre site located at Shepard, Otto and 7th	Community Issues Identification Meeting #4 12/11/08	New			Urban Stormwater Management	There are numerous opportunities that the District needs to be aware of and involved in to achieve its mission
193	Identify CRWD role in promoting/implementing Green Infrastructure (to what extent can green infrastructure be used to manage stormwater in the district?)	CRWD Staff Issues Meeting	New	N/A	N/A	Urban Stormwater Management	There are numerous opportunities that the District needs to be aware of and involved in to achieve its mission
194	CRWD should consider developing a Green Alleys Program	CRWD Staff Issues Meeting	New	N/A	N/A	Urban Stormwater Management	There are numerous opportunities that the District needs to be aware of and involved in to achieve its mission
195	CRWD could do a pilot project to create "green" alleys in a 10 block area (install pervious pavers in alleys that pitch to the middle and monitor water/pollutants being taken out of storm sewer system)	CRWD Staff Issues Meeting	New	N/A	N/A	Urban Stormwater Management	Regular maintenance is critical to the success of stormwater BMPs and is not consistently performed to achieve desired performance

CRWD 2010 Watershed Management Plan, Issue Identification Matrix

	Issue/Comment	Source*	Issue New vs. Old	Plan Status	Issue Category from Plan, etc.	Issue Category	Issue Statement
196	CRWD should be involved in stormwater management planning for redevelopment projects like LRT along University Ave, Ford Plant, 3M site	CRWD Staff Issues Meeting	New	N/A	N/A	Urban Stormwater Management	Regular maintenance is critical to the success of stormwater BMPs and is not consistently performed to achieve desired performance
198	BMP Maintenance: We are currently in a growth stage for implementing BMPs (e.g. raingardens) but will quickly turn into a maintenance problem. CRWD needs to consider what is the best way to maintain systems long term? Individual builders maintain infrastructure that they build? One entity maintains infrastructure?	CRWD Staff Issues Meeting	New	N/A	N/A	Urban Stormwater Management	There are numerous opportunities that the District needs to be aware of and involved in to achieve its mission
199	In order to address BMP maintenance could develop a Maintenance Coop => one entity is responsible for maintenance of BMPs	CRWD Staff Issues Meeting	New	N/A	N/A	Urban Stormwater Management	#N/A
216	Redevelopment issues within the District, including population growth and urban revitalization projects, provide a challenge and opportunity to manage water resources in an environmentally proactive manner in partnership with local government and neighborhood community groups.	CRWD Watershed Management Plan, 2000-2010	Old	Final	Urban Redevelopment	Urban Stormwater Management	There are numerous opportunities that the District needs to be aware of and involved in to achieve its mission
217	Leaching of pollutants from periodically flooded areas	CRWD Watershed Management Plan, 2000-2010	Old	Final	Urban Redevelopment	Urban Stormwater Management	#N/A
220	The highly developed nature and minimal use of stormwater best management practices (BMPs) in the District contribute to poor water quality for waterbodies within the District as well as the water flowing to the Mississippi River. In the District, retrofitting and using BMPs in redevelopment is one of the main opportunities the District has to improve water quality including sites such as Gottfried's Pit.	CRWD Watershed Management Plan, 2000-2010	Old	Final	Urban BMPs and Retrofitting	Urban Stormwater Management	The quantity of runoff from a highly urbanized area increases the risk of flooding and puts added strain on the infrastructure within the District
240	Pollutants leaching from periodically flooded areas	Falcon Heights Water Resource Management Plan (2008)	OLD	Final	Urban Redevelopment	Urban Stormwater Management	#N/A
241	Curtiss Field Pond is designed as an infiltration pond, however excess rainfalls can result in flooding of the neighboring park as well as the intersection of Idaho Avenue and Snelling Avenue.	Falcon Heights Water Resource Management Plan (2008)	OLD	Final	Curtiss Field Pond	Urban Stormwater Management	The quantity of runoff from a highly urbanized area increases the risk of flooding and puts added strain on the infrastructure within the District
242	Water sits on Pascal Street from Iowa Avenue to California Avenue because the street is flat. The water is not conveyed to the storm sewer system. Additional study is needed.	Falcon Heights Water Resource Management Plan (2008)	OLD	Final	Pascal Street Drainage	Urban Stormwater Management	The quantity of runoff from a highly urbanized area increases the risk of flooding and puts added strain on the infrastructure within the District
243	The Falcon Heights City Hall parking lot is in need of repair and could be a potential spot for BMP implementation such as pervious pavement, infiltration chambers, and rain gardens.	Falcon Heights Water Resource Management Plan (2008)	OLD	Final	City Hall Parking Lot Reconstruction	Urban Stormwater Management	There are numerous opportunities that the District needs to be aware of and involved in to achieve its mission
325	Stormwater reuse initiative	Ramsey County Groundwater Protection Plan	OLD	WIP		Urban Stormwater Management	There are numerous opportunities that the District needs to be aware of and involved in to achieve its mission
326	Infiltration of stormwater should avoid areas of contaminated soils in order to prevent resulting groundwater contamination.	Ramsey County Groundwater Protection Plan	OLD	WIP		Urban Stormwater Management	Coordination with District partners on regulatory issues is needed for more efficient and effective stormwater regulation across all jurisdictions
358	It is the position of the City that the goals and policies outlined in the Local Surface Water Management Plan, the contents of the St. Paul Storm Water Annual Report, City ordinances, policies of local watershed districts and watershed management organizations, and the policies of other agencies are adequate to maintain the tangible and intrinsic values of natural storage and retention systems within the City.	St Paul Local Surface Water Management Plan (2006)	Old	Final	The adequacy of programs to maintain the tangible and intrinsic values of natural storage and retention systems	Urban Stormwater Management	There are numerous opportunities that the District needs to be aware of and involved in to achieve its mission
415	Redevelopment and retrofit opportunities	Technical Advisory Meeting Issues Identification 11/18/08	New			Urban Stormwater Management	There are numerous opportunities that the District needs to be aware of and involved in to achieve its mission
416	CRWD should develop life-cycle costing of BMPs (new techniques need better understanding of maintenance costs) and provide that information to the Cities	Technical Advisory Meeting Issues Identification 11/18/08	New			Urban Stormwater Management	Coordination with District partners on regulatory issues is needed for more efficient and effective stormwater regulation across all jurisdictions

CRWD 2010 Watershed Management Plan, Issue Identification Matrix

	Issue/Comment	Source*	Issue New vs. Old	Plan Status	Issue Category from Plan, etc.	Issue Category	Issue Statement
417	Continue research on newer BMPs	Technical Advisory Meeting Issues Identification 11/18/08	New			Urban Stormwater Management	Coordination with District partners on regulatory issues is needed for more efficient and effective stormwater regulation across all jurisdictions
418	Recycling stormwater runoff for potable use	Technical Advisory Meeting Issues Identification 11/18/08	New			Urban Stormwater Management	There are numerous opportunities that the District needs to be aware of and involved in to achieve its mission
419	Identifying opportunities for retrofitting using low impact development principals	Technical Advisory Meeting Issues Identification 11/18/08	New			Urban Stormwater Management	There are numerous opportunities that the District needs to be aware of and involved in to achieve its mission
420	Lake Pepin TMDL will be finished up at about the same time as this plan. Include mention of the load allocation that each MS4 will have for the Lake Pepin TMDL	Technical Advisory Meeting Issues Identification 11/18/08	New			Water Quality	The pollutant load of stormwater has impacted the quality of water in the District's lakes, wetlands and the Mississippi River
423	Looking at regional treatment vs. site specific	Technical Advisory Meeting Issues Identification 11/18/08	New			Urban Stormwater Management	There are numerous opportunities that the District needs to be aware of and involved in to achieve its mission
424	Maintenance education for BMPs. CRWD taking a role in the education of and implementation of maintenance	Technical Advisory Meeting Issues Identification 11/18/08	New			Urban Stormwater Management	Regular maintenance is critical to the success of stormwater BMPs and is not consistently performed to achieve desired performance
426	Using surface water as gray water - using stormwater in different ways. Way to combine with other disciplines.	Technical Advisory Meeting Issues Identification 11/18/08	New			Urban Stormwater Management	There are numerous opportunities that the District needs to be aware of and involved in to achieve its mission
37	Protection and improvement of water quality in Lake McCarrons	City of Roseville Local Surface Water Management Plan	OLD	Final		Urban Stormwater Management	The pollutant load of stormwater has impacted the quality of water in the District's lakes, wetlands and the Mississippi River
38	Uncertainty regarding what entity is responsible for the long-term management of Lake McCarrons	City of Roseville Local Surface Water Management Plan	OLD	Final		Urban Stormwater Management	The pollutant load of stormwater has impacted the quality of water in the District's lakes, wetlands and the Mississippi River
114	Focus on existing water impairments	Community Issues Identification Meeting #4 12/11/08	New			Urban Stormwater Management	The pollutant load of stormwater has impacted the quality of water in the District's lakes, wetlands and the Mississippi River
116	Focus on Como Lake TMDL	Community Issues Identification Meeting #4 12/11/08	New			Urban Stormwater Management	The pollutant load of stormwater has impacted the quality of water in the District's lakes, wetlands and the Mississippi River
130	Sediment loading in Como Lake (deltas, soil erosion, impacts on shoreline)	Como Lake Strategic Management Plan Report (2002)	Old	Final	Water Quality	Urban Stormwater Management	The pollutant load of stormwater has impacted the quality of water in the District's lakes, wetlands and the Mississippi River
131	External loading in Como Lake (nutrient inputs/chemical treatment)	Como Lake Strategic Management Plan Report (2002)	Old	Final	Water Quality	Urban Stormwater Management	The pollutant load of stormwater has impacted the quality of water in the District's lakes, wetlands and the Mississippi River
132	Waterfowl feces in Como Lake (feeding issues)	Como Lake Strategic Management Plan Report (2002)	Old	Final	Water Quality	Urban Stormwater Management	The pollutant load of stormwater has impacted the quality of water in the District's lakes, wetlands and the Mississippi River
134	Impact of stormwater on Como Lake	Como Lake Strategic Management Plan Report (2002)	Old	Final	Water Quality	Urban Stormwater Management	The pollutant load of stormwater has impacted the quality of water in the District's lakes, wetlands and the Mississippi River
135	Lack understanding of what is coming into Como Lake, when it enters, and how to treat it	Como Lake Strategic Management Plan Report (2002)	Old	Final	Water Quality	Urban Stormwater Management	The pollutant load of stormwater has impacted the quality of water in the District's lakes, wetlands and the Mississippi River
136	Need to find a better source of water for Como Lake than stormwater (balance water quality with water quantity)	Como Lake Strategic Management Plan Report (2002)	Old	Final	Water Quality	Urban Stormwater Management	The pollutant load of stormwater has impacted the quality of water in the District's lakes, wetlands and the Mississippi River
138	Trash in and around Como Lake	Como Lake Strategic Management Plan Report (2002)	Old	Final	Aesthetics	Urban Stormwater Management	The pollutant load of stormwater has impacted the quality of water in the District's lakes, wetlands and the Mississippi River

CRWD 2010 Watershed Management Plan, Issue Identification Matrix

	Issue/Comment	Source*	Issue New vs. Old	Plan Status	Issue Category from Plan, etc.	Issue Category	Issue Statement
150	Measurably cleaner waters (surface & groundwater)	CRWD Five-Year Strategic Plan 2008-2012	Old	Final	Goal	Urban Stormwater Management	The pollutant load of stormwater has impacted the quality of water in the District's lakes, wetlands and the Mississippi River
200	How will the CRWD meet the TMDL goals established for the Mississippi River, Lake Pepin, and Como Lake?	CRWD Staff Issues Meeting	New	N/A	N/A	Urban Stormwater Management	The pollutant load of stormwater has impacted the quality of water in the District's lakes, wetlands and the Mississippi River
201	Plastic bottles or micro litter (cigarette butts) left in streets are conveyed to the Mississippi River in stormwater	CRWD Staff Issues Meeting	New	N/A	N/A	Urban Stormwater Management	The pollutant load of stormwater has impacted the quality of water in the District's lakes, wetlands and the Mississippi River
202	CRWD should address readily apparent illicit discharges (e.g. dirt in street from industrial businesses), target low hanging fruit that are easy to address via education and partnership	CRWD Staff Issues Meeting	New	N/A	N/A	Urban Stormwater Management	The pollutant load of stormwater has impacted the quality of water in the District's lakes, wetlands and the Mississippi River
221	Watershed activities have the potential to impact both positively and negatively sensitive groundwater resources and should be consistent with county groundwater protection efforts.	CRWD Watershed Management Plan, 2000-2010	Old	Final	Groundwater Quality Protection	Urban Stormwater Management	Within an urbanized area, runoff from impervious surfaces is directed to storm sewers and discharged to surface waters rather than infiltrating into the ground resulting in a loss of recharged groundwater supplies and impacts to receiving waters
222	Water quality impacts to the River and associated regulatory responsibilities. The District is working toward quantifying the extent of watershed urban runoff pollutant loadings to the Mississippi River.	CRWD Watershed Management Plan, 2000-2010	Old	Final	Mississippi River Corridor	Urban Stormwater Management	The pollutant load of stormwater has impacted the quality of water in the District's lakes, wetlands and the Mississippi River
234	The phosphorus budget of Loeb Lake is driven by watershed loading.	DRAFT Loeb Lake Management Plan (2008)	Old	DRAFT	Water Quality	Urban Stormwater Management	The pollutant load of stormwater has impacted the quality of water in the District's lakes, wetlands and the Mississippi River
286	Stormwater Issues: stormwater runoff degrades water quality and can cause impairment of important surface and ground water resources.	NPS MNRRA Water Resources Information and Issues Overview Report (2006)	Old	DRAFT	Water Quality	Urban Stormwater Management	The pollutant load of stormwater has impacted the quality of water in the District's lakes, wetlands and the Mississippi River
287	Stormwater Issues: Nearly all the older storm drains in the Metropolitan Area discharge to rivers with no treatment.	NPS MNRRA Water Resources Information and Issues Overview Report (2006)	Old	DRAFT	Water Quality	Urban Stormwater Management	The pollutant load of stormwater has impacted the quality of water in the District's lakes, wetlands and the Mississippi River
288	Stormwater Issues: Many newer urban storm water systems are being designed to capture sediment, but the rapid increase in impervious surfaces has overwhelmed many of the newer storm water systems	NPS MNRRA Water Resources Information and Issues Overview Report (2006)	Old	DRAFT	Water Quality	Urban Stormwater Management	The pollutant load of stormwater has impacted the quality of water in the District's lakes, wetlands and the Mississippi River
289	Stormwater Issues: MNRRA water resources scoping workshop participants noted that BMPs for trash and litter were still needed	NPS MNRRA Water Resources Information and Issues Overview Report (2006)	Old	DRAFT	Water Quality	Urban Stormwater Management	The pollutant load of stormwater has impacted the quality of water in the District's lakes, wetlands and the Mississippi River
290	Stormwater Issues: Urban and suburban areas continue to develop rapidly, and these construction sites have both high erosion rates (due to vegetation removal) and high delivery rates (due to grading and ditching)	NPS MNRRA Water Resources Information and Issues Overview Report (2006)	Old	DRAFT	Water Quality	Urban Stormwater Management	The pollutant load of stormwater has impacted the quality of water in the District's lakes, wetlands and the Mississippi River
293	Stormwater Issues: Finally, full integration of watershed and stormwater management across federal, state, and local boundaries, as proposed in the recent draft framework for watershed-based permitting, will likely be a lengthy and challenging process.	NPS MNRRA Water Resources Information and Issues Overview Report (2006)	Old	DRAFT	Water Quality	Urban Stormwater Management	Coordination with District partners on regulatory issues is needed for more efficient and effective stormwater regulation across all jurisdictions
294	Impaired waters: The Lake Pepin TMDL study, in particular, is complicated by the large size of its watershed. Since more than half of Minnesota's waters drain into the Mississippi River and Lake Pepin, activities throughout much of the state may be relevant.	NPS MNRRA Water Resources Information and Issues Overview Report (2006)	Old	DRAFT	Water Quality	Urban Stormwater Management	The pollutant load of stormwater has impacted the quality of water in the District's lakes, wetlands and the Mississippi River
295	Wastewater: Wastewater has been an important water quality concern in the MNRRA corridor for the past century, due to continued population growth in the Twin Cities area.	NPS MNRRA Water Resources Information and Issues Overview Report (2006)	Old	DRAFT	Water Quality	Urban Stormwater Management	The pollutant load of stormwater has impacted the quality of water in the District's lakes, wetlands and the Mississippi River
296	Wastewater: Phosphorus loads from wastewater treatment plants, however, become more difficult to control as the population served increases. Phosphorus load limits, or mass caps, may be required to maintain good water quality in receiving waters.	NPS MNRRA Water Resources Information and Issues Overview Report (2006)	Old	DRAFT	Water Quality	Urban Stormwater Management	The pollutant load of stormwater has impacted the quality of water in the District's lakes, wetlands and the Mississippi River
297	Wastewater: Excess nitrates in wastewater effluent can stimulate nuisance algal growth, contribute to hypoxia issues in the lower Mississippi River and Gulf of Mexico, and be toxic in their own right at high enough concentrations. The issue of increasing nitrate concentrations as it relates to wastewater treatment has received little attention to date.	NPS MNRRA Water Resources Information and Issues Overview Report (2006)	Old	DRAFT	Water Quality	Urban Stormwater Management	The pollutant load of stormwater has impacted the quality of water in the District's lakes, wetlands and the Mississippi River
299	Wastewater: Inflow and infiltration of ground and stormwater into sanitary sewer pipes via cracks, leaky joints, or deteriorated manholes results in the unnecessary treatment of clean water by wastewater treatment facilities, and may substantially reduce the wastewater treatment capacity of growing communities	NPS MNRRA Water Resources Information and Issues Overview Report (2006)	Old	DRAFT	Water Quality	Urban Stormwater Management	The pollutant load of stormwater has impacted the quality of water in the District's lakes, wetlands and the Mississippi River
300	Wastewater: New wastewater concerns have also emerged as a result of rapid population growth in the northern suburbs of the Twin Cities. These suburbs are situated outside of the seven-county Twin Cities Metropolitan Area and, as such, are beyond the jurisdiction of the Metropolitan Council. Several river reaches were listed as impaired for fecal coliform bacteria in Minnesota's 2006 impaired waters list.	NPS MNRRA Water Resources Information and Issues Overview Report (2006)	Old	DRAFT	Water Quality	Urban Stormwater Management	The pollutant load of stormwater has impacted the quality of water in the District's lakes, wetlands and the Mississippi River

CRWD 2010 Watershed Management Plan, Issue Identification Matrix

	Issue/Comment	Source*	Issue New vs. Old	Plan Status	Issue Category from Plan, etc.	Issue Category	Issue Statement
301	Contaminants: A variety of surface water contaminants has been detected within the MNRRA corridor due to industrial and municipal wastewater dischargers, stormwater runoff, urban/suburban development, and other sources.	NPS MNRRA Water Resources Information and Issues Overview Report (2006)	Old	DRAFT	Water Quality	Urban Stormwater Management	The pollutant load of stormwater has impacted the quality of water in the District's lakes, wetlands and the Mississippi River
302	Contaminants: In recent years concerns about organic wastewater contaminants with endocrine-disrupting properties have grown. These compounds originate from a broad range of household, industrial, and agricultural-use chemicals, pharmaceuticals, antibiotics, and sterols and hormones, and may adversely affect humans and aquatic biota	NPS MNRRA Water Resources Information and Issues Overview Report (2006)	Old	DRAFT	Water Quality	Urban Stormwater Management	The pollutant load of stormwater has impacted the quality of water in the District's lakes, wetlands and the Mississippi River
303	Contaminants: Participants at the 2005 MNRRA Water Resources Scoping Workshop noted the importance of surface water-ground water interactions in the Twin Cities Metropolitan Area, and the risk of ground water contamination related to human activities on the land surface.	NPS MNRRA Water Resources Information and Issues Overview Report (2006)	Old	DRAFT	Water Quality	Urban Stormwater Management	Within an urbanized area, runoff from impervious surfaces is directed to storm sewers and discharged to surface waters rather than infiltrating into the ground resulting in a loss of recharged groundwater supplies and impacts to receiving waters
304	Contaminants: Elevated levels of PFOS have been detected in the blood, livers, and tissues of fish collected from the Mississippi River near the 3M Cottage Grove plant. Effects of elevated PFC burdens on local biota have not been investigated, but in animal lab toxicity studies high concentrations of PFOS and PFOA have adversely affected the liver and other organs, caused cancer in multiple sites, and caused developmental problems in the offspring of animals exposed to PFCs while pregnant.	NPS MNRRA Water Resources Information and Issues Overview Report (2006)	Old	DRAFT	Water Quality	Urban Stormwater Management	The pollutant load of stormwater has impacted the quality of water in the District's lakes, wetlands and the Mississippi River
327	Find/fund sealing of abandoned wells.	Ramsey County Groundwater Protection Plan	OLD	WIP		Urban Stormwater Management	Within an urbanized area, runoff from impervious surfaces is directed to storm sewers and discharged to surface waters rather than infiltrating into the ground resulting in a loss of recharged groundwater supplies and impacts to receiving waters
350	Excessive erosion of the bluff slopes from storm water runoff and off-trail traffic in Crosby Farm Regional Park. Erosion occurs where storm sewer outlet pipes empty at the top of the bluff slope, where un-piped surface runoff water channelizes and runs into the bluff slope ravines, and where people have repeatedly gone off of the trail on to erosion-prone areas such as sandstone exposures.	St Paul Crosby Farm Regional Park Ecological Inventory and Restoration Management Plan (2005)	Old	Final	N/A	Urban Stormwater Management	The pollutant load of stormwater has impacted the quality of water in the District's lakes, wetlands and the Mississippi River
360	Development in the Como Lake watershed, which includes the City of Roseville and the City of Falcon Heights, has impacted the water quality in Como Lake.	St Paul Local Surface Water Management Plan (2006)	Old	Final	Lake and stream water quality	Urban Stormwater Management	The pollutant load of stormwater has impacted the quality of water in the District's lakes, wetlands and the Mississippi River
362	The water quality of the Mississippi River has been noted as a concern.	St Paul Local Surface Water Management Plan (2006)	Old	Final	Lake and stream water quality	Urban Stormwater Management	The pollutant load of stormwater has impacted the quality of water in the District's lakes, wetlands and the Mississippi River
363	The City anticipates that there will be changes to rules and regulations associated with discharges to the Mississippi River as part of a Total Maximum Daily Load study.	St Paul Local Surface Water Management Plan (2006)	Old	Final	Lake and stream water quality	Urban Stormwater Management	The pollutant load of stormwater has impacted the quality of water in the District's lakes, wetlands and the Mississippi River
364	During significant rainfall events, soil erosion has carried sediment to water bodies within the City. Sediment deposits reduce the depth of water and degrade the quality of water within a basin.	St Paul Local Surface Water Management Plan (2006)	Old	Final	Impacts of soil erosion on water quality and water quantity	Urban Stormwater Management	The pollutant load of stormwater has impacted the quality of water in the District's lakes, wetlands and the Mississippi River
365	Erosion control along the Mississippi River has been noted as a concern.	St Paul Local Surface Water Management Plan (2006)	Old	Final	Impacts of soil erosion on water quality and water quantity	Urban Stormwater Management	The pollutant load of stormwater has impacted the quality of water in the District's lakes, wetlands and the Mississippi River
366	The City of St. Paul is a fully developed urban city. The City is directly tributary to the Mississippi River and discharges storm water directly to the River. In many cases this water is not controlled or treated prior to discharge.	St Paul Local Surface Water Management Plan (2006)	Old	Final	General impact of land use practices and in particular land development and land alteration on water quality and water quantity	Urban Stormwater Management	The pollutant load of stormwater has impacted the quality of water in the District's lakes, wetlands and the Mississippi River
367	The City will work with the watershed districts and water management organizations and other Federal, State, and local agencies to promote groundwater protection within the City.	St Paul Local Surface Water Management Plan (2006)	Old	Final	The adequacy of programs to protect ground water quality	Urban Stormwater Management	Within an urbanized area, runoff from impervious surfaces is directed to storm sewers and discharged to surface waters rather than infiltrating into the ground resulting in a loss of recharged groundwater supplies and impacts to receiving waters
117	Address flooding issues by Gottfried's pit	Community Issues Identification Meeting #4 12/11/08	New			Urban Stormwater Management	The quantity of runoff from a highly urbanized area increases the risk of flooding and puts added strain on the infrastructure within the District
305	River flows and ecological function: A variety of ecosystem processes are supported by variations in flow. The base flow of a river supports numerous ecological processes, and flow variations resulting from droughts and flood events support many more. Biodiversity, habitat, and hydrologic variability, are often affected most by dams and urban development (including water infrastructure).	NPS MNRRA Water Resources Information and Issues Overview Report (2006)	Old	DRAFT	Water Quantity	Urban Stormwater Management	The ecological integrity of many of the District's water resources has degraded to a point where the resources are not providing their original level of function or value

CRWD 2010 Watershed Management Plan, Issue Identification Matrix

	Issue/Comment	Source*	Issue New vs. Old	Plan Status	Issue Category from Plan, etc.	Issue Category	Issue Statement
306	Effects of urbanization: Urbanization (the increase in impervious surfaces within a watershed) leads to increases in runoff and decreases in infiltration	NPS MNRRA Water Resources Information and Issues Overview Report (2006)	Old	DRAFT	Water Quantity	Urban Stormwater Management	Within an urbanized area, runoff from impervious surfaces is directed to storm sewers and discharged to surface waters rather than infiltrating into the ground resulting in a loss of recharged groundwater supplies and impacts to receiving waters
307	Effects of urbanization: Hydrological characteristics are altered by urbanization and its increase in impervious surface cover	NPS MNRRA Water Resources Information and Issues Overview Report (2006)	Old	DRAFT	Water Quantity	Urban Stormwater Management	The quantity of runoff from a highly urbanized area increases the risk of flooding and puts added strain on the infrastructure within the District
308	Effects of urbanization: Urbanization reduces sediment supply and bankfull flows are increased because of increases in impervious cover. The result is increased channel erosion as channel incision and widening occur to accommodate increased bankfull discharge and a reduced sediment budget.	NPS MNRRA Water Resources Information and Issues Overview Report (2006)	Old	DRAFT	Water Quantity	Urban Stormwater Management	The pollutant load of stormwater has impacted the quality of water in the District's lakes, wetlands and the Mississippi River
309	Floods and flood control: Flooding is part of the natural cycle of the Upper Mississippi River system and plays an important role in maintaining ecosystem function and biodiversity.	NPS MNRRA Water Resources Information and Issues Overview Report (2006)	Old	DRAFT	Water Quantity	Urban Stormwater Management	The ecological integrity of many of the District's water resources has degraded to a point where the resources are not providing their original level of function or value
310	Floods and flood control: In heavily modified urban areas levees and flood walls have been constructed to minimize flooding; however, there is now mounting evidence that these structures are increasing flood magnitude and frequency	NPS MNRRA Water Resources Information and Issues Overview Report (2006)	Old	DRAFT	Water Quantity	Urban Stormwater Management	The quantity of runoff from a highly urbanized area increases the risk of flooding and puts added strain on the infrastructure within the District
311	Floods and flood control: Nonstructural flood control presents an opportunity to reduce the frequency and magnitude of extreme events and restore aquatic environments.	NPS MNRRA Water Resources Information and Issues Overview Report (2006)	Old	DRAFT	Water Quantity	Urban Stormwater Management	The quantity of runoff from a highly urbanized area increases the risk of flooding and puts added strain on the infrastructure within the District
312	Drought and drought mitigation: Under extreme low-flow events, the Mississippi River above St. Paul may experience large flow fluctuations from hydropower operations and the operation of reservoir control gates. Such fluctuations during extreme drought conditions exacerbate the already negative impacts on river ecology and water supply.	NPS MNRRA Water Resources Information and Issues Overview Report (2006)	Old	DRAFT	Water Quantity	Urban Stormwater Management	Future watershed management strategies need to be responsive to emerging issues resulting from climate change, and technological advances
313	Sustainability of water supplies: Given the rapid population growth in the Twin Cities Metropolitan Area, projected to increase by one million between 2000 and 2030 (Metropolitan Council 2004), there has been concern over the potential effects of increased ground water withdrawals in the region.	NPS MNRRA Water Resources Information and Issues Overview Report (2006)	Old	DRAFT	Water Quantity	Urban Stormwater Management	Within an urbanized area, runoff from impervious surfaces is directed to storm sewers and discharged to surface waters rather than infiltrating into the ground resulting in a loss of recharged groundwater supplies and impacts to receiving waters
368	Following a storm event in 1997 flood problem areas were identified within the City of St. Paul.	St Paul Local Surface Water Management Plan (2006)	Old	Final	Flooding and storm water rate control concerns within the City	Urban Stormwater Management	The quantity of runoff from a highly urbanized area increases the risk of flooding and puts added strain on the infrastructure within the District
369	Flooding associated with Como Lake and surrounding park.	St Paul Local Surface Water Management Plan (2006)	Old	Final	Flooding and storm water rate control concerns within the City	Urban Stormwater Management	The quantity of runoff from a highly urbanized area increases the risk of flooding and puts added strain on the infrastructure within the District
370	Flooding with at St. Paul's Robie Street between Anita Street and US Highway 52 has occurred during rainfall events. High water may overtop curbs, pool in the Robie/Bancroft intersection, and inundate adjacent homes. This area is fully developed.	St Paul Local Surface Water Management Plan (2006)	Old	Final	Flooding or storm water rate control concerns between the City and adjoining entities	Urban Stormwater Management	The quantity of runoff from a highly urbanized area increases the risk of flooding and puts added strain on the infrastructure within the District
371	The Arlington Pascal (Como 7) flood problem area has been noted as a problem. This area is within a Como Lake sub-watershed roughly bounded by Snelling Avenue on the west, Midway Parkway on the south, Roselawn to the north, and Como Park on the east.	St Paul Local Surface Water Management Plan (2006)	Old	Final	Flooding or storm water rate control concerns between the City and adjoining entities	Urban Stormwater Management	The quantity of runoff from a highly urbanized area increases the risk of flooding and puts added strain on the infrastructure within the District
40	Functionality of Villa Park Wetland System	City of Roseville Local Surface Water Management Plan	OLD	Final		Urban Stormwater Management	The pollutant load of stormwater has impacted the quality of water in the District's lakes, wetlands and the Mississippi River
133	Internal nutrient loading in Como Lake	Como Lake Strategic Management Plan Report (2002)	Old	Final	Water Quality	Urban Stormwater Management	The pollutant load of stormwater has impacted the quality of water in the District's lakes, wetlands and the Mississippi River
137	Undesirable odor on Como Lake (most likely from decaying plant material)	Como Lake Strategic Management Plan Report (2002)	Old	Final	Aesthetics	Urban Stormwater Management	The pollutant load of stormwater has impacted the quality of water in the District's lakes, wetlands and the Mississippi River
204	CRWD should continue to work to reduce phosphorus loads in Villa Park Wetlands (wetlands flow into Lake McCarrons)	CRWD Staff Issues Meeting	New	N/A	N/A	Urban Stormwater Management	The pollutant load of stormwater has impacted the quality of water in the District's lakes, wetlands and the Mississippi River

CRWD 2010 Watershed Management Plan, Issue Identification Matrix

	Issue/Comment	Source*	Issue New vs. Old	Plan Status	Issue Category from Plan, etc.	Issue Category	Issue Statement
235	Filamentous algae blooms on Loeb Lake observed in recent years (potential source = internal loading)	DRAFT Loeb Lake Management Plan (2008)	Old	DRAFT	Water Quality	Urban Stormwater Management	The pollutant load of stormwater has impacted the quality of water in the District's lakes, wetlands and the Mississippi River
256	Excessive algal growth in Lake McCarrons	Lake McCarrons Management Plan (2003)	Old	Final	Lake Quality/Lake Health	Urban Stormwater Management	The pollutant load of stormwater has impacted the quality of water in the District's lakes, wetlands and the Mississippi River
292	Stormwater Issues: While concentrations of most water quality variables in Twin Cities area stormwater were comparable to nationwide stormwater averages, Twin Cities area nutrient and biological oxygen demand levels appear to be higher.	NPS MNRRA Water Resources Information and Issues Overview Report (2006)	Old	DRAFT	Water Quality	Urban Stormwater Management	The pollutant load of stormwater has impacted the quality of water in the District's lakes, wetlands and the Mississippi River
39	Periodic flooding around Godfried's Pit	City of Roseville Local Surface Water Management Plan	OLD	Final		Urban Stormwater Management	The quantity of runoff from a highly urbanized area increases the risk of flooding and puts added strain on the infrastructure within the District
427	Mercury entering water-ensure permitted standards are met	Ce Tempoxcalli	New	N/A	Water	Urban Stormwater Management	The pollutant load of stormwater has impacted the quality of water in the District's lakes, wetlands and the Mississippi River
428	Mercury entering water-accountability of all parties	Ce Tempoxcalli	New	N/A	Water	Urban Stormwater Management	The pollutant load of stormwater has impacted the quality of water in the District's lakes, wetlands and the Mississippi River
429	Mississippi River - work with other states along the river to make consistent standards	Ce Tempoxcalli	New	N/A	Water	Regulations and Enforcement	Coordination with District partners on regulatory issues is needed for more efficient and effective stormwater regulation across all jurisdictions
430	Mississippi River - work with other states along the river to enforce pollution standards consistently	Ce Tempoxcalli	New	N/A	Water	Regulations and Enforcement	Coordination with District partners on regulatory issues is needed for more efficient and effective stormwater regulation across all jurisdictions
431	Lawn care - regulate the application of lawn care chemicals to keep them out of the water	Ce Tempoxcalli	New	N/A	Water	Regulations and Enforcement	Coordination with District partners on regulatory issues is needed for more efficient and effective stormwater regulation across all jurisdictions
432	Lawn care - educate citizens/consumers/public about environmental best practices to change how we feel and what we know about lawns	Ce Tempoxcalli	New	N/A	Water	Education and Outreach	Many District residents do not feel a personal connection with water and natural resources and therefore do not have a sense of responsibility or ownership which negatively impacts their ability to change behaviors and increase stewardship
433	Lawn care - Collaborate with University of Minnesota Extension Center on education of citizens/consumers/public	Ce Tempoxcalli	New	N/A	Water	Education and Outreach	Many District residents do not feel a personal connection with water and natural resources and therefore do not have a sense of responsibility or ownership which negatively impacts their ability to change behaviors and increase stewardship
434	Lawn care - Reduce water usage on lawns	Ce Tempoxcalli	New	N/A	Water	Education and Outreach	Many District residents do not feel a personal connection with water and natural resources and therefore do not have a sense of responsibility or ownership which negatively impacts their ability to change behaviors and increase stewardship
435	Fund involvement/representation of EJ community at TMDL meetings	Ce Tempoxcalli	New	N/A	Water	Education and Outreach	The District's diverse community has a wide range of cultural, social and political relationships with water, community interests, priorities, and opinions of the District's water resources