Program Number	Program Name	Activities	Tasks	Output Measure	Measure	Outcome Action	Aesthetics	Aquatic Life & Rec	Drainage & Conveyance	Drinking Water	Fish & Wildlife	Flood Control	Groundwater Recharge	Irrigation	Lakes	Mining	Soils	Water Quality	Wetlands	Information	Education	Involvement	Assistance	Person/Prop Damage	Other Uses	Fish & Wildlife	AIS	Climate Change	Biosecurity and Collaboration	Water Conservation	Soil Quality	Surficial Groundwater	Timeframe	Milestone	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	10-Year Total	Staff	Budget Sessions	Collab. AGE	Collab. City & County	Collab. State or Fed	Volunteer NGO	Contract Service	Reports Yes	Special Assessment	Fee & Excise	Grants
							Resource Stewardship													Public & Environmental				Human Values				Land Values																													
5	Research & Monitoring	AIS - Citizen	Train, help and maintain a monitoring program that ensures early detection of new AIS and the monitoring of	Budgeted Activity	Annual Report	Action	*	*			*							*									0.2.E							2014-2023	Annual Budget	$ 450	$ 450	$ 459	$ 468	$ 478	$ 487	$ 497	$ 507	$ 517	$ 527	$ 538	$ 4,927	*								*																	
5	Research & Monitoring	AIS - Citizen	Use volunteer-tension to conduct AIS inspections	Number of Volunteers	Annual Report	Action	*	*			*							*									0.2.E							2014-2023	Annual Budget	$ 450	$ 450	$ 459	$ 468	$ 478	$ 487	$ 497	$ 507	$ 517	$ 527	$ 538	$ 4,927	*								*																	
5	Research & Monitoring	AIS Monitoring	Assess current and long-term monitoring of the District's waters for early detection of invasive species	Completed Report	Report to Board	Knowledge	*	*			*							*						1.1			0.2.E							2013	Annual Budget	$ 1,600											$ 1,600	*		*			*																	
5	Research & Monitoring	AIS Monitoring	Monitor locations with a high invasive size	Continued monitoring for presence or AIS	Annual Report	Knowledge	*	*			*							*						1.1			0.2.E							2014	Annual Budget	$ 200											$ 200	*		*			*																	
5	Research & Monitoring	AIS Monitoring	Support incomest research on the baseline biology of AIS, the ecological and economic	Continued monitoring for presence or AIS	Report to Board with budget implications	Knowledge	*	*			*							*						1.1			0.2.E							2014-2017	Annual Budget	$ 5,000	$ 5,000	$ 5,000	$ 5,000								$ 20,000	*																						
5	Research & Monitoring	Biomonitoring	Cross Creek at 175th*	Number of Families	Water Atlas	Knowledge		*										*							4.3	5.1			8.1.1				On-going	Annual Budget	$ 1,275	$ 1,294		$ 1,333	$ 1,353		$ 1,394	$ 1,415		$ 1,436	$ 1,460	$ 11,802			*																						
5	Research & Monitoring	Biomonitoring	Cross Creek at Egret	Number of Families	Water Atlas	Knowledge		*										*							4.3	5.1			8.1.1				On-going	Annual Budget	$ 1,275	$ 1,294		$ 1,333	$ 1,353	$ 1,373		$ 1,415	$ 1,436		$ 1,479	$ 10,959			*																						
5	Research & Monitoring	Biomonitoring	Cross Creek at TH 65*	Number of Families	Water Atlas	Knowledge		*										*							4.3	5.1			8.1.1				On-going	Annual Budget	$ 1,275	$ 1,294		$ 1,333	$ 1,353	$ 1,373		$ 1,415	$ 1,436		$ 1,479	$ 10,959			*																						
5	Research & Monitoring	Biomonitoring	DSI at Andover Blvd*	Number of Families	Water Atlas	Knowledge		*										*							4.3	5.1			8.1.1				On-going	Annual Budget	$ 1,275	$ 1,294		$ 1,333	$ 1,353		$ 1,394	$ 1,415		$ 1,436	$ 1,460	$ 11,882			*																						
5	Research & Monitoring	Biomonitoring	Sand Creek at Olive*	Number of Families	Water Atlas	Knowledge		*										*							4.3	5.1			8.1.1				On-going	Annual Budget	$ 1,275	$ 1,294	$ 1,314		$ -	$ 1,373	$ 1,394		$ 1,436	$ 1,458		$ 9,543			*																						
5	Research & Monitoring	Biomonitoring	Sand Creek at TH 65	Number of Families	Water Atlas	Knowledge		*										*							4.3	5.1			8.1.1				On-going	Annual Budget	$ 1,275	$ 1,294	$ 1,314		$ -	$ 1,373	$ 1,394		$ 1,436	$ 1,458		$ 9,543			*																						
5	Research & Monitoring	Lake Level Monitoring	Lake Level Monitoring	Monitor Crooked Lake	Water Atlas	Knowledge	*	*							*										4.3	5.4	6.2.E	7.2.2	8.1.1				On-going	Annual Budget	$ 200	$ 204	$ 208	$ 212	$ 216	$ 221	$ 225	$ 230	$ 234	$ 239	$ 244	$ 2,454			*																						
5	Research & Monitoring	Lake Level Monitoring	Lake Level Monitoring	Monitor Hare Lake	Water Atlas	Knowledge	*	*							*										4.3	5.4	6.2.E	7.2.2	8.1.1				On-going	Annual Budget	$ 200	$ 204	$ 208	$ 212	$ 216	$ 221	$ 225	$ 230	$ 234	$ 239	$ 244	$ 2,454			*																						
5	Research & Monitoring	Lake Level Monitoring	Lake Level Monitoring	Monitor Lake Sirius	Water Atlas	Knowledge	*	*							*										4.3	5.4	6.2.E	7.2.2	8.1.1				On-going	Annual Budget	$ 200	$ 204	$ 208	$ 212	$ 216	$ 221	$ 225	$ 230	$ 234	$ 239	$ 244	$ 2,454			*																						
5	Research & Monitoring	Lake Water Quality Monitoring	Continue to monitor lake water quality	Monitor Crooked Lake	Water Atlas	Knowledge									*			*						1.1	4.3			8.1.1				On-going	Annual Budget	$ 1,275	$ 1,301		$ 1,354	$ 1,381		$ 1,437	$ 1,466		$ 1,525	$ 9,758			*	*		*																			
5	Research & Monitoring	Lake Water Quality Monitoring	Continue to monitor lake water quality	Monitor Hare Lake	Water Atlas	Knowledge									*			*						1.1	4.3			8.1.1				On-going	Annual Budget	$ 1,250	$ 1,275		$ 1,327	$ 1,354		$ 1,409	$ 1,437		$ 1,495	$ 1,525	$ 11,072			*	*																			
5	Research & Monitoring	Lake Water Quality Monitoring	Continue to monitor lake water quality	Monitor Lake Sirius	Water Atlas	Knowledge									*			*						1.1	4.3			8.1.1				On-going	Annual Budget	$ 1,250		$ 1,301	$ 1,327		$ 1,381	$ 1,409		$ 1,466	$ 1,495		$ 9,629			*	*																			
7	Research & Monitoring	Lake Water Quality Monitoring	Continue to monitor lake water quality	Number of Lakes Monitored	Annual Budget	Knowledge		*	*	*		*	*	*	*	*		*	*					1.2	4.3	5.4		7.2.2	8.2.1				On-going	Annual Budget	$ 850	$ 863	$ 1,095	$ 1,111	$ 1,128	$ 1,145	$ 1,162	$ 1,179	$ 1,197	$ 1,215	$ 1,233	$ 12,177			*	*																			
5	Research & Monitoring	Precipitation Monitoring	Continue to monitor frequency and duration of precipitation events and the effect of heavy rainfall	Budgeted Activity	Water Atlas	Knowledge																		1.1									On-going	Annual Budget	$ 8,490	$ 8,693	$ 9,122	$ 9,342	$ 9,569	$ 9,804	$ 10,046	$10,297	$ 10,556	$ 10,824	$ 11,101	$ 107,863																							
5	Research & Monitoring	Precipitation Monitoring	Identify critical events and conditions that lead to local flooding and water-quality problems	Report		Knowledge																		1.1									2013	Annual Budget	$ 4,000					$ 4,000					$ 4,000	$ 12,000																							
5	Research & Monitoring	Precipitation Monitoring	Ensure that the location of weather stations meets multiple	Budgeted Activity	Water Atlas	Knowledge				-		*	*		*			*	*	39				1.2	4.3			7.2.4	8.1.1				On-going	Annual Budget	$ 750	$ 750	$ 750	$ 750	$ 750	$ 750	$ 750	$ 750	$ 750	$ 750	$ 750	$ 8,250	*		*	*																			
7	Research & Monitoring	Precipitation Monitoring	Coordinate weather data collection activities within the Watershed District and with cooperators	Number of Gages	Annual Report	Knowledge				-		*	*		*			*	*	39				1.2	4.3			7.2.1	8.1.1				On-going	Annual Budget	$ 160	$ 162	$ 163	$ 165	$ 166	$ 168	$ 170	$ 172	$ 173	$ 175	$ 177	$ 1,851	*																						
5	Research & Monitoring	Precipitation Monitoring	Ensure the installation, operation, and maintenance of weather stations	Budgeted Activity	Water Atlas	Knowledge						*												1.2				*	8.1.1				On-going	Annual Budget	$ 575	$ 588	$ 622	$ 647	$ 673	$ 700	$ 728	$ 757	$ 787	$ 818	$ 851	$ 7,755			*																				
5	Research & Monitoring	Precipitation Monitoring	Establish formal weather data collection and management at the sub-watershed level.	Budgeted Activity	Water Atlas	Knowledge						*												1.2				7.2.1	8.1.1				On-going	Annual Budget	$ 850	$ 867	$ 884	$ 902	$ 920	$ 938	$ 957	$ 976	$ 996	$ 1,016	$ 1,036	$ 10,343			*																				
5	Research & Monitoring	Precipitation Monitoring	ACD Office	Number of Measures	Water Atlas	Knowledge						*												1.2				7.2.6	8.1.1				On-going	Annual Budget	$ 575	$ 588	$ 622	$ 647	$ 673	$ 700	$ 728	$ 757	$ 787	$ 818	$ 851	$ 7,755			*	*																			
5	Research & Monitoring	Precipitation Monitoring	Andover Public Works	Number of Measures	Water Atlas	Knowledge						*												1.2				7.2.6	8.1.1				On-going	Annual Budget	$ 575	$ 588	$ 622	$ 647	$ 673	$ 700	$ 728	$ 757	$ 787	$ 818	$ 851	$ 7,755			*			*																	
5	Research & Monitoring	Precipitation Monitoring	Blaine Public Works	Number of Measures	Water Atlas	Knowledge						*												1.2				7.2.6	8.1.1				On-going	Annual Budget	$ 575	$ 588	$ 622	$ 647	$ 673	$ 700	$ 728	$ 757	$ 787	$ 818	$ 851	$ 7,755			*	*																			
5	Research & Monitoring	Precipitation Monitoring	Cross Rapids City Hall	Number of Measures	Water Atlas	Knowledge			*		*	*												1.2		*		7.2.6	8.1.1				On-going	Annual Budget	$ 575	$ 588	$ 622	$ 647	$ 673	$ 700	$ 728	$ 757	$ 787	$ 818	$ 851	$ 7,755			*																				
5	Research & Monitoring	Precipitation Monitoring	Hellman Sod Farm	Number of Measures	Water Atlas	Knowledge			*		*	*												1.2		*		7.2.6	8.1.1				On-going	Annual Budget	$ 560	$ 571	$ 583	$ 594	$ 606	$ 618	$ 631	$ 643	$ 656	$ 669	$ 683	$ 6,814			*																				
5	Research & Monitoring	Precipitation Monitoring	Noelker Natural Gas Substation	Number of Measures	Water Atlas	Knowledge			*		*	*												1.2		*		7.2.6	8.1.1				On-going	Annual Budget	$ 560	$ 571	$ 583	$ 594	$ 606	$ 618	$ 631	$ 643	$ 656	$ 669	$ 683	$ 6,814			*																				
5	Research & Monitoring	Precipitation Monitoring	Springbrook Nature Center	Number of Measures	Water Atlas	Knowledge			*		*	*												1.2		*		7.2.6	8.1.1				On-going	Annual Budget	$ 560	$ 571	$ 583	$ 594	$ 606	$ 618	$ 631	$ 643	$ 656	$ 669	$ 683	$ 6,814			*																				
5	Research & Monitoring	Precipitation Monitoring	Maintain a Watershed District website		Annual Report	Knowledge						*												1.2				7.2.3	8.1.1				On-going	Annual Budget	$ 575	$ 588	$ 622	$ 647	$ 673	$ 700	$ 728	$ 757	$ 787	$ 818	$ 851	$ 7,755			*	*																			
7	Research & Monitoring	Precipitation Monitoring	Design, coordinate and maintain a weather information management system that will meet land and resource management needs of the	Budgeted Activity	Water Atlas	Knowledge				-		*	*		*			*	*	27				1.3	4.3			7.1.2	8.1.1				On-going	Annual Budget	$ 3,500	$ 3,350	$ 3,250	$ 3,315	$ 3,379	$ 4,244	$ 4,510	$ 4,579	$ 4,647	$ 4,716	$ 4,787	$ 47,273	*		*	*																			
5	Research & Monitoring	Precipitation Monitoring	Analysis	Analysis in Water Atlas		Knowledge						*												1.3				7.2.5	8.1.1				On-going	Annual Budget	$ 575	$ 588	$ 622	$ 647	$ 673	$ 700	$ 728	$ 757	$ 787	$ 818	$ 851	$ 7,755			*			*																	
5	Research & Monitoring	Precipitation Monitoring	Evaluate and interpret data	Budgeted Activity	Water Atlas	Knowledge						*												1.3				7.2.3	8.1.1				On-going	Annual Budget	$ 575	$ 588	$ 622	$ 647	$ 673	$ 700	$ 728	$ 757	$ 787	$ 818	$ 851	$ 7,755			*	*																			
5	Research & Monitoring	Precipitation Monitoring	Continue to monitor precipitation and streamflow throughout the watershed to assess the rates and volumes that contribute to local flooding and water-quality	Budgeted Activity	Water Atlas	Knowledge																		1.3									On-going	Annual Budget	$ 2,300	$ 2,392	$ 2,488	$ 2,587	$ 2,691	$ 2,798	$ 2,910	$ 3,187	$ 3,148	$ 3,274	$ 3,405	$ 31,200																							
7	Research & Monitoring	Precipitation Monitoring	Assess the obtaining quantitative precipitation forecasts and assisting with timely flood or high water warnings to expedite damage	Contract for Service	Annual Report	Knowledge																		1.3									2013-2015	Annual Budget	$ 2,000	$ 2,000	$ 2,000																															
7	Research & Monitoring	Precipitation Monitoring	Cooperate with other agencies in the review feasible to sensor	MOA with participating Agencies	Annual Report	Knowledge																		1.3									2013	Annual Budget	$ 2,100					$ 2,100					$ 2,100	$ 6,300																							
5	Research & Monitoring	Reference Wetland	Camp Three Road	Site hydrograph	Water Atlas	Knowledge			*		*	*												1.3		*		7.2.2	8.1.1				On-going	Annual Budget	$ 560	$ 571	$ 583	$ 594	$ 606	$ 618	$ 631	$ 643	$ 656	$ 669	$ 683	$ 6,814			*																				
5	Research & Monitoring	Reference Wetland	Pioneer Park	Site hydrograph	Water Atlas	Knowledge			*		*	*												1.3		*		7.2.2	8.1.1				On-going	Annual Budget	$ 560	$ 571	$ 583	$ 594	$ 606	$ 618	$ 631	$ 643	$ 656	$ 669	$ 683	$ 6,814			*																				
5	Research & Monitoring	Reference Wetland	Sawmwd Wetland	Site hydrograph	Water Atlas	Knowledge			*		*	*												1.3		*		7.2.2	8.1.1				On-going	Annual Budget	$ 560	$ 571	$ 583	$ 594	$ 606	$ 618	$ 631	$ 643	$ 656	$ 669	$ 683	$ 6,814			*																				
5	Research & Monitoring	Reference Wetland Monitoring - Vegetation Transects	Rustler Wetland	Rustler Wetland	Water Atlas	Knowledge					*															*		7.2.2	8.1.1				On-going	Annual Budget	$ 380	$ 388	$ 395	$ 403	$ 411	$ 420	$ 428	$ 437	$ 445	$ 454	$ 463	$ 4,624			*																				
5	Research & Monitoring	Reference Wetland Monitoring - Vegetation Transects	Sawmwd Wetland	Sawmwd Wetland	Water Atlas	Knowledge					*															*		7.2.2	8.1.1				On-going	Annual Budget	$ 380	$ 388	$ 395	$ 403	$ 411	$ 420	$ 428	$ 437	$ 445	$ 454	$ 463	$ 4,624			*																				
7	Research & Monitoring	Riparian Lands	Monitor the implementation and effectiveness of management and protection of riparian areas	Report to Board	Report to Board	Knowledge			*	*	*	*			*			*	*					1.2	4.3	*			8.1.1				2020-2023	Annual Budget								$ 2,700	$ 2,727	$ 2,754	$ 2,782	$ 10,963					*																	
5	Research & Monitoring	Stream - E coli Monitoring - Grab Sampling	Cross Creek at 175th	Levels of E. coli	Water Atlas	Knowledge												*						1.3					8.1.1				On-going	Annual Budget	$ 420	$ 428	$ 437	$ 446	$ 455	$ 464	$ 473	$ 482	$ 492	$ 502	$ 512	$ 5,111			*																				
5	Research & Monitoring	Stream - E coli Monitoring - Grab Sampling	Cross Creek at Cross Hollow	Levels of E. coli	Water Atlas	Knowledge												*						1.3					8.1.1				On-going	Annual Budget	$ 420	$ 428	$ 437	$ 446	$ 455	$ 464	$ 473	$ 482	$ 492	$ 502	$ 512	$ 5,111			*																				
5	Research & Monitoring	Stream - E coli Monitoring - Grab Sampling	Cross Creek at Lexington	Levels of E. coli	Water Atlas	Knowledge												*						1.3					8.1.1				On-going	Annual Budget	$ 420	$ 428	$ 437	$ 446	$ 455	$ 464	$ 473	$ 482	$ 492	$ 502	$ 512	$ 5,111			*																				
5	Research & Monitoring	Stream - E coli Monitoring - Grab Sampling	Cross Creek at Lions Park	Levels of E. coli	Water Atlas	Knowledge												*						1.3					8.1.1				On-going	Annual Budget	$ 420	$ 428	$ 437	$ 446	$ 455	$ 464	$ 473	$ 482	$ 492	$ 502	$ 512	$ 5,111			*																				
5	Research & Monitoring	Stream - E coli Monitoring - Grab Sampling	Cross Creek at Naples	Levels of E. coli	Water Atlas	Knowledge												*						1.3					8.1.1				On-going	Annual Budget	$ 420	$ 428	$ 437	$ 446	$ 455	$ 464	$ 473	$ 482	$ 492	$ 502	$ 512	$ 5,111			*																				
5	Research & Monitoring	Stream - E coli Monitoring - Grab Sampling	Cross Creek at Shakopeeawk	Levels of E. coli	Water Atlas	Knowledge												*						1.3					8.1.1				On-going	Annual Budget	$ 420	$ 428	$ 437	$ 446	$ 455	$ 464	$ 473	$ 482	$ 492	$ 502	$ 512	$ 5,111			*																				
5	Research & Monitoring	Stream - E coli Monitoring - Grab Sampling	Ditch 58 at Andover Blvd	Levels of E. coli	Water Atlas	Knowledge												*						1.3					8.1.1				On-going	Annual Budget	$ 420	$ 428	$ 437	$ 446	$ 455	$ 464	$ 473	$ 482	$ 492	$ 502	$ 512	$ 5,111			*																				
5	Research & Monitoring	Stream - E coli Monitoring - Grab Sampling	Pinesser Creek at 85th St (Bloomington river)	Levels of E. coli	Water Atlas	Knowledge												*						1.3					8.1.1				On-going	Annual Budget	$ 420	$ 428	$ 437	$ 446	$ 455	$ 464	$ 473	$ 482	$ 492	$ 502	$ 512	$ 5,111			*																				
5	Research & Monitoring	Stream - E coli Monitoring - Grab Sampling	Sand Creek at Morningside Cemetery	Levels of E. coli	Water Atlas	Knowledge												*						1.3					8.1.1				On-going	Annual Budget	$ 420	$ 428	$ 437	$ 446	$ 455	$ 464	$ 473	$ 482	$ 492	$ 502	$ 512	$ 5,111			*																				
5	Research & Monitoring	Stream - E coli Monitoring - Grab Sampling	Sand Creek at Outlet of the Lakes	Levels of E. coli	Water Atlas	Knowledge												*						1.3					8.1.1				On-going	Annual Budget	$ 420	$ 428	$ 437	$ 446	$ 455	$ 464	$ 473	$ 482	$ 492	$ 502	$ 512	$ 5,111			*																				
5	Research & Monitoring	Stream - E coli Monitoring - Grab Sampling	Sand Creek at TH 65	Levels of E. coli	Water Atlas	Knowledge												*						1.3					8.1.1				On-going	Annual Budget	$ 420	$ 428	$ 437	$ 446	$ 455	$ 464	$ 473	$ 482	$ 492	$ 502	$ 512	$ 5,111			*																				
5	Research & Monitoring	Stream - E coli Monitoring - Grab Sampling	Sand Creek at Xerxes	Levels of E. coli	Water Atlas	Knowledge												*						1.3					8.1.1				On-going	Annual Budget	$ 420	$ 428	$ 437	$ 446	$ 455	$ 464	$ 473	$ 482	$ 492	$ 502	$ 512	$ 5,111			*																				
5	Research & Monitoring	Stream - E coli Monitoring - Grab Sampling	Springbrook at 79th (Bloomington river)	Levels of E. coli	Water Atlas	Knowledge												*						1.3					8.1.1				On-going	Annual Budget	$ 420	$ 428	$ 437	$ 446	$ 455	$ 464	$ 473	$ 482	$ 492	$ 502	$ 512	$ 5,111			*																				
5	Research & Monitoring	Stream/Hydrology Monitoring - Continuous Stage Monitoring	Pinesser Creek at 85th St (Bloomington river)	Site hydrograph	Water Atlas	Knowledge				*		*						*						1.3				7.1.4	8.1.1	9.1		11.2.7	On-going	Annual Budget	$ 575	$ 584	$ 592	$ 601	$ 610	$ 619	$ 629	$ 638	$ 648	$ 657	$ 667	$ 6,821			*	*																			
5	Research & Monitoring	Stream/Hydrology Monitoring - Continuous Stage Monitoring	Cross Creek at Lions Park	Site hydrograph	Water Atlas	Knowledge				*		*												1.3				7.1.4	8.1.1	9.1		11.2.7	On-going	Annual Budget	$ 575	$ 584	$ 592	$ 601	$ 610	$ 619	$ 629	$ 638	$ 648	$ 657	$ 667	$ 6,821			*	*																			
5	Research & Monitoring	Stream/Hydrology Monitoring - Continuous Stage Monitoring	Cross Creek at Naples	Site hydrograph	Water Atlas	Knowledge				*		*												1.3				7.1.4	8.1.1	9.1		11.2.7	On-going	Annual Budget	$ 575	$ 584	$ 592	$ 601	$ 610	$ 619	$ 629	$ 638	$ 648	$ 657	$ 667	$ 6,821			*	*																			
5	Research & Monitoring	Stream/Hydrology Monitoring - Continuous Stage Monitoring	Ditch 58 at Andover Blvd	Site hydrograph	Water Atlas	Knowledge				*		*												1.3				7.1.4	8.1.1	9.1		11.2.7	On-going	Annual Budget	$ 575	$ 584	$ 592	$ 601	$ 610	$ 619	$ 629	$ 638	$ 648	$ 657	$ 667	$ 6,821			*	*																			
5	Research & Monitoring	Stream/Hydrology Monitoring - Continuous Stage Monitoring	Sand Creek at Morningside Cemetery	Site hydrograph	Water Atlas	Knowledge				*		*												1.3				7.1.4	8.1.1	9.1		11.2.7	On-going	Annual Budget	$ 575	$ 584	$ 592	$ 601	$ 610	$ 619	$ 629	$ 638	$ 648	$ 657	$ 667	$ 6,821			*	*																			

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