Table 5.2. Specific Management Goals Prioritization

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SPECIFIC GOAL	STRESSORS/ FACTORS [†]	KEY ISSUES [‡]	PRIORITY*	SPECIFIC TASKS*	POTENTIAL PROJECT PARTNERS*
eservation and Restoration of parian Habitat					
Establish buffer zones for no development or removal of riparian vegetation	V, LU, WQ	FM, R-FHM, WRM, DG, OSP	Tier I		
Maintain public lands/preserves as public/preserves; maintain easements and lease control	LU, OSM	FM, R-FHM, WRM, DG, OSP	Tier I		
Preserve large contiguous corridors/areas	LU, V	R-FHM, WRM, OSP	Tier I		
Revegetate and restore riparian areas with native species	LU, V	FM, R-FHM, WRM, DG, OSP	Tier II		
Eradicate non-native invasive species	LU, V	FM, R-FHM, DG, OSP	Tier II		
Develop Open Space Management plans for the preserved and restored riparian habitat and, for all areas, implement, and enforce them	LU, V	R-FHM, WRM, OSP, DG	Tier II		
Stream Management and storation					
Allow floodplain flooding to occur	F, SW, G	FM, R-FHM, WRM, DG	Tier I		
Reduce sedimentation	F, G	FM, WRM	Tier I		
Design to accommodate for both geomorphology and flood control	F, G	FM, R-FHM, WRM	Tier I		
Restore floodplain area	LU, F, G	FM, R-FHM, WRM, DG	Tier II		
Restore floodplain habitat	V, G	FM, R-FHM, WRM	Tier II		

Table 5.2. Specific Management Goals Prioritization (Continued)

	SPECIFIC GOAL	STRESSORS/ FACTORS [†]	KEY ISSUES [‡]	PRIORITY*	SPECIFIC TASKS*	POTENTIAL PROJECT PARTNERS*
	Assess areas for implementation of natural aeration mechanisms to enhance DO.	WQ	WRM	Tier II		
	create meanders, riffle-run-pool habitat, add woody debris (must check hydraulics and make certain flood flows are still passed)	F, G	FM, R-FHM, WRM	Tier II		
	Devise strategies to mitigate channelization	F, G	FM, R-FHM, WRM	Tier III		
	eservation and Restoration of land Habitat					
	Preserve large contiguous corridors/areas	V	WRM, OSP	Tier I		
	Restore and revegetate with native species	LU, V	WRM, OSP	Tier II		
	Eradicate invasive, non-native species	LU, V	WRM, OSP	Tier II		
	Preserve more Open Space	V	WRM, OSP	Tier II		
	Buy up easements and replant with native species	LU	WRM, OSP	Tier III		
En	gineering					
	Require new structures to meet design requirements for flow and fish passage		FM, WRM, DG	Tier I		
	Screen diversions where necessary	F	FM, WRM	Tier I		
	Relocate sewer and water pipes that cross stream beds where problematic	F	RM, R- FHM, WRM	Tier I		

Table 5.2. Specific Management Goals Prioritization (Continued)

	SPECIFIC GOAL	STRESSORS/ FACTORS [†]	KEY ISSUES [‡]	PRIORITY*	SPECIFIC TASKS*	POTENTIAL PROJECT PARTNERS*
	Retrofit old bridges and culverts for fish passage and actual flood flow conveyance	F	FM, WRM	Tier II		
	Retrofit old dams for fish passage	F	FM, WRM	Tier III		
	Survey all potential constrictions and measure/cross-check old model dimensions	F	RM, R- FHM, WRM	Tier III		
	Measure and cross-check old model in-stream cross-sections for input into flood model	F	RM, R- FHM, WRM	Tier III		
Be	st Management Practices					
	Local on-site detention: development does not change flow regime; implement and enforce post construction BMPs for stormwater detention	LU, PG	FM, WRM	Tier I		
	Minimize discharge of surface runoff and associated pollutants; prevent further degradation through requiring effective water quality BMPs on future development	WQ	RM, R- FHM, WRM	Tier I		
	Establish vegetative buffers to filter surface runoff water	WQ	RM, R- FHM, WRM	Tier I		
	Use 'Smart Growth" principles	PG	DG	Tier I		
	Add off-stream regional detention for reducing flood flow peaks and peak timing; no net changes	F	FM, WRM	Tier II		

Table 5.2. Specific Management Goals Prioritization (Continued)

	SPECIFIC GOAL	STRESSORS/ FACTORS [†]	KEY ISSUES [‡]	PRIORITY*	SPECIFIC TASKS*	POTENTIAL PROJECT PARTNERS*
	Add additional BMPs/restore areas to bring hydrology back to 'normal' conditions where practicable	F	FM, WRM	Tier II		
	Institute water conservation practices	SW, PG	WRM, PEI	Tier II		
	Livestock fencing/crossings to minimize bank trampling	LU	RM, R- FHM, WRM	Tier III		
	Implement Integrated Pest Management Programs throughout the watershed	WQ	FM, WRM	Tier III		
	Meter all water use	SW	WRM, DG	Tier III		
Ма	pping (GIS)					
	Create a current digital landuse cover with attributes	LU	WRM, DG, OSP	Tier I		
	Map known spawing aread		FM, R-FHM, OSP	Tier I		
	Map known special status species occurences		FM, R-FHM, OSP	Tier I		
	Map canal system, ponds, reservoirs, siphons, aquaducts, channel elevation, and which are still in use	LU, SW	FS, WRM	Tier II		
	Digital map of impacted areas and extent: removed vegetation and eroded areas	LU	FM, R-FHM, WRM, DG, OSP	Tier II		
	Map all water quality/quantity monitoring sites	WQ	FM, WRM	Tier II		
	Map preserves, other Open Space, and potential habitat for preservation or restoration	V	FM, R-FHM, OSP	Tier II		
	Create and maintain a current digital cover of all plan areas and zoning/planned land use	LU	WRM, DG, OSP	Tier III		

Table 5.2. Specific Management Goals Prioritization (Continued)

	SPECIFIC GOAL	STRESSORS/ FACTORS [†]	KEY ISSUES [‡]	PRIORITY*	SPECIFIC TASKS*	POTENTIAL PROJECT PARTNERS*
	Locate and characterize all outfalls digitally	LU, SW	FM, WRM	Tier III		
	Map constrictions (road crossing, culverts), channelized areas, other flow restrictions	F, G	FM, WRM	Tier III		
	Map extent of invasive species: density, area, types	V	FM, R-FHM, OSP	Tier III		
Stu	ıdies					
	Gage streams to determine actual flow and flow pattern and to calibrate hydrologic and hydraulic model	LU, WQ, F, SW	FM, R-FHM, WRM	Tier I		
	Continue BMI studies as improvements are implemented for overall trends assessment (also select appropriate reference site)	WQ	FM, WRM, DG	Tier I		
	Assess all habitat for quality and restoration potential	V	FM, R-FHM, OSP	Tier I		
	Determine impact of land uses on water quality	LU, WQ	FM, WRM, DG	Tier II		
	Institute a long term monitoring study to determine trends and potential impacts of landuse (include flow discharge measurements)	WQ	FM, R-FHM, WRM, DG	Tier II		
	Institute storm event monitoring at several locations	WQ	FM, WRM, DG	Tier II		
	Sediment budget analysis			Tier II		
	Determine which streams have changed from ephemeral to perennial	LU, SW	FM, WRM, DG	Tier III		

Table 5.2. Specific Management Goals Prioritization (Continued)

SPECIFIC GOAL	STRESSORS/ FACTORS [†]	KEY ISSUES [‡]	PRIORITY*	SPECIFIC TASKS*	POTENTIAL PROJECT PARTNERS*
Assess outfalls for water flow and quality during storm events and or irrigation	LU, SW	FM, WRM	Tier III		
Measure water quality of WWTPs for nutrients impact on streams	LU, WQ	FM, WRM	Tier III		
Studies to determine source and extent of potential toxicity problems	LU, WQ	FM, WRM	Tier III		
Determine canal management practices (flows, timing, control)	LU, SW	FM, R-FHM, WRM	Tier III		
Determine stage-discharge relationships to determine pollutant loads when sampling for water quality	WQ	FM, WRM	Tier III		
Update and calibrate DCW Flood Control Manual models – current and projected land use, culverts, crossings, constrictions, other	SW, F	FM, R-FHM, WRM, DG	Tier III		
Define and analyze environmental indicators of significance to the Dry Creek watershed	WQ	FM, WRM, DG	Tier III		
Document eroded areas	LU, V	FM, R-FHM, DG, OSP	Tier III		
erations and Management actices					
Develop funding mechanisms for plan implementation (e.g., interest on grants in trust)	V	OSP	Tier I		
Develop a beaver management plan – document known dam locations	F	FM, WRM, OSP	Tier II		

Table 5.2. Specific Management Goals Prioritization (Continued)

SPECIFIC GOAL	STRESSORS/ FACTORS [†]	KEY ISSUES [‡]	PRIORITY*	SPECIFIC TASKS*	POTENTIAL PROJECT PARTNERS*
Remove fences within the floodplain	F	FM, R-FHM, WRM	Tier II		
Excavate sediment upstream of flow constrictions	F	FM, R-FHM, WRM	Tier III		
Develop Open Space Management plans for all Open Space areas, implement, and enforce them	LU, V	R-FHM, OSP, PEI	Tier III		
Develop a comprehensive habitat management plan for the entire watershed that includes all land uses	V	OSP	Tier III		
ucation and Public					
Signage and public education to minimize recreational channel destruction	LU	FM, R-FHM, PEI	Tier I		
Develop construction and post- construction guidance documents for public works, planners, developers, and permitting agencies on:	LU, WQ, F, SW, G, V, PG	FM, R-FHM, WRM, DG, OSP, PEI	Tier I		
 Landscape Management (chemical, irrigation, and drainage management practices and potential effect on streams) 					

Table 5.2. Specific Management Goals Prioritization (Continued)

SPECIFIC GOAL	STRESSORS/ FACTORS [†]	KEY ISSUES [‡]	PRIORITY*	SPECIFIC TASKS*	POTENTIAL PROJECT PARTNERS*
Develop construction and post- construction guidance documents for public works, planners, developers, and permitting agencies on:	LU, WQ, F, SW, G, V, PG	FM, R-FHM, WRM, DG, OSP, PEI	Tier I		
 Erosion and Stormwater Management (on-site and regional detention and water quality treatment) 					
Develop guidance documents for the general public on Good Stewardship and the Role of Individuals in the Dry Creek Watershed:	LU, WQ, F, SW, G, V, PG	FM, R-FHM, WRM, DG, OSP, PEI	Tier I		
 Chemical, irrigation, and drainage management effects on surface water 					
Develop guidance documents for the general public on Good Stewardship and the Role of Individuals in the Dry Creek Watershed: Bank erosion: riparian vegetation and disturbance (e.g., off road vehicle crossing)	LU, WQ, F, SW, G, V, PG	FM, R-FHM, WRM, DG, OSP, PEI	Tier I		

Table 5.2. Specific Management Goals Prioritization (Continued)

SPECIFIC GOAL	STRESSORS/ FACTORS [†]	KEY ISSUES [‡]	PRIORITY*	SPECIFIC TASKS*	POTENTIAL PROJECT PARTNERS*
Develop guidance documents for the general public on Good Stewardship and the Role of Individuals in the Dry Creek Watershed: • Fish habitat and riparian vegetation with native species	LU, WQ, F, SW, G, V, PG	FM, R-FHM, WRM, DG, OSP, PEI	Tier I		
Educate local nurseries on what plants they may have that are non-native invasive plants	V	FM, R-FHM, OSP, PEI	Tier I		
Education and public involvement for: • Water quality monitoring • wildlife monitoring • education and outreach on good stewardship • habitat mapping • outfall mapping • Open Space maintenance	V	R-FHM, OSP, PEI	Tier I		
Develop construction and post- construction guidance documents for public works, planners, developers, and permitting agencies on:	LU, WQ, F, SW, G, V, PG	FM, R-FHM, WRM, DG, OSP, PEI	Tier II		
 Bank Erosion and Riparian Vegetation (effect of removal and the use of invasive non- native species) 					

Table 5.2. Specific Management Goals Prioritization (Continued)

SPECIFIC GOAL	STRESSORS/ FACTORS [†]	KEY ISSUES [‡]	PRIORITY*	SPECIFIC TASKS*	POTENTIAL PROJECT PARTNERS*
 Prepare guidance for public regarding use of native plant species, identification of invasive non-native species, and appropriate BMPs for land surfaces/revegetation 	V	R-FHM, OSP, PEI	Tier II		
 Educate land owners regarding damaging grazing practices 	y V	FM, R-FHM, OSP, PEI	Tier III		

[†]Stressor/factors are identified as follows: LU = landuse, WQ = water quality, F = flood flow, storage, and conveyance, G= geomorphology, PG = population growth, SW = surface water, and V = vegetation

^{*}Key issues are identified as: FM = Fisheries Management, R-FHM = Riparian and Floodplain Habitat Management, WRM = Water Resources Management, DG = Development and Growth, OSP = Open Space Preservation, and PEI = Public Education and Involvement
*To be identified by the DCWC