

# Appendix 4

# Conservation Actions



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**APPENDIX 4: CONSERVATION ACTIONS**

**Appendix 4. Conservation Action Classification System used in the RI WAP**

This appendix lists the conservation actions, inventory, research and monitoring need categories and codes used in the RI WAP process. Actions listed in Chapter 4 and the Species and Habitat Profiles were prioritized after a review of existing relevant local, state, regional, national and international conservation plans compiled for this WAP effort (Element 4). This table presents the final TRACS actions and codes applied to all RI WAP actions developed to address the threats identified by RI DEM DFW and its partners (Appendix 3) using the NE Lexicon.

Action Level 1	Action Level 2	Action Level 3	Level 2 and 3 Output Measures
Coordination and Administration (Potential High Level Purpose: Administration)	Coordination and Administration		None
		Agency administrative support	None
		Program/project administrative support	None
	Incentives	Incentives	None
Direct Management of Natural Resources (Potential High Level Purposes: Conservation/Management, Recreation)			
	Create new habitat or natural processes		Acres
		Habitat conversion	Acres
		Public fishing lake construction	Acres
		Waterfowl impoundment creation	Acres
	Dam and barrier removal		Structures
		Culvert work	Structures
		Dam notching	Structures
		Dam removal	Structures
		Road crossing removal	Structures
		Obstruction removal	Structures
	Fire management		Acres
		Firebreak	Acres
Fuel reduction		Acres	
Prescribed burning		Acres	
Fish and wildlife habitat structures		Structures	
	Artificial reef development	Structures	
	Hibernacula	Structures	

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Action Level 1	Action Level 2	Action Level 3	Level 2 and 3 Output Measures	
		Nesting habitat improvements	Structures	
		Wildlife escape structures	Structures	
	Grazing/farm management			Acres
		Alley cropping/silvopasture	Acres	
		Farming residue management	Acres	
		Forage use management	Acres	
		Livestock heavy use area establishment	Acres	
		Livestock stream crossing	Acres	
		Nutrient or runoff management system	Acres	
		Riparian fence installation	Acres	
		Waste storage/treatment	Acres	
		Hazard or infrastructure removal		
	Building removal		Acres	
	Degraded land reconstruction		Acres	
	Derelict gear (net/pot) removal		Acres	
	Pavement removal		Acres	
	Pier/dock removal		Acres	
	Shoreline armoring removal		Acres	
	Solid waste removal		Acres	
	Instream modification			Miles
		Channel reconfiguration	Miles	
		Channel structure placement	Miles	
		Nutrient improvement	Miles	
		Spawning by-pass channels	Miles	
		Spawning gravel placement	Miles	
		Streambank stabilization	Miles	
	Invasive species control			Acres
		Animal - biological	Acres	
		Animal - chemical	Acres	
		Animal - mechanical	Acres	
		Plant - biological	Acres	
		Plant - chemical	Acres	
Plant- mechanical		Acres		
Living shorelines			Acres	
	Beach renourishment	Acres		
	Erosion control structures	Acres		
	Sand dune restoration	Acres		

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Action Level 1	Action Level 2	Action Level 3	Level 2 and 3 Output Measures	
	Planting/seeding		Acres	
		Coral	Acres	
		Field border/hedgerow	Acres	
		Food plots	Acres	
		Herbaceous vegetation	Acres	
		Mulching	Acres	
		Plant propagation/nursery	Acres	
		Submerged aquatic vegetation	Acres	
		Trees/shrubs	Acres	
		Vegetation buffer	Acres	
		Woody debris	Acres	
	Vegetation management			Acres
		Chaining		Acres
		Clearing and snagging		Acres
		Dixie harrow/Lawson aerator		Acres
		Forest stand improvement		Acres
		Mowing		Acres
	Water management			Acres
				Number
		Ditch plugs		Number
		Diversion/headgate		Number
		Drainage		Number
		Public fishing lake enhancement		Number
		Spring development		Number
		Tide gate		Number
		Waterfowl impoundment maintenance		Number
	Water control structure		Number	
	Wildlife damage management			Number
				Number
	Data Collection and Analysis (Potential High Level Purposes: Conservation/Management, Recreation)	Wildlife disease management		Interventions
			Interventions	
Database development and management			Databases	
		Database development	Databases	
		Information systems operations and maintenance	Databases	
Research, survey or monitoring - fish and wildlife populations				Projects
			Abundance determination	Projects
		Age, size and sex structure	Projects	
		Baseline inventory	Projects	

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Action Level 1	Action Level 2	Action Level 3	Level 2 and 3 Output Measures	
		Food habits	Projects	
		Genetics	Projects	
		Movement	Projects	
		Population assessment	Projects	
		Reproduction	Projects	
	Research, survey or monitoring - habitat			Projects
		Baseline inventory		Projects
		Monitoring		Projects
	Research, survey or monitoring - utilization			Projects
		Facility usage/inventory		Projects
		Harvest		Projects
	Techniques development			Projects
				Studies
		Artificial propagation studies		Studies
		Educational methods research		Studies
		Habitat restoration methods		Studies
		Fish and wildlife research, survey and management techniques	Studies	
Education (Potential High Level Purposes: Conservation/Management, Recreation)	Educator/Instructor training		Instructors	
		Aquatic resource education (*)	Instructors	
		Hunter education - firearms (*)	Instructors	
		Cumulative number of active instructors (*)	Instructors	
		Cumulative hours of volunteer effort (*)	New field in funding source form.	
	Student training			Students
		Aquatic resource education (*)		Students
		Hunter education - firearms (*)		Students
		Hunter education - Archery in the Schools (*)		Students
		Hunter education - other archery (*)		Students
		Wildlife education		Students
	Facilities and Areas (Potential High Level Purposes: Conservation/Management, Recreation, Administration)			
		Agency support facilities		Sites
Aquatic resource education centers			Sites	
Boating access facilities			Number	

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Action Level 1	Action Level 2	Action Level 3	Level 2 and 3 Output Measures
		Launch ramps (*)	Number
		Docks/piers (*)	Number
		Parking areas (*)	Number
		Parking spaces (*)	Number
		Access roadways (*)	Number
		Restrooms (*)	Number
		Fish cleaning stations (*)	Number
		Shelters (*)	Number
	Boat pump out and dump stations		Number
		Pump out stations (*)	Number
		Dump stations (*)	Number
		Floating restrooms (*)	Number
		Pump out boats (*)	Number
		Gallons of sewage pumped (*)	Number
	Cooperatively managed areas for hunting		Acres
		Government agency	Acres
		Private lands	Acres
	Fish passage facilities		Number
		Counting traps/stations	Number
		Downstream bypass facilities	Number
		Fish ladders	Number
		Fish lifts	Number
		Nature-like fishways	Number
	Fish screening and related facilities		Sites
	Hatcheries		Sites
	Hunter education - archery ranges		Sites
	Hunter education - classrooms		Sites
	Hunter education - firearm shooting ranges		Sites
	Public fishing areas/access		Number
		Carry-down access	Number
		Fishing piers	Number
		Parking areas	Number
		Jetties	Number
		Access roadways	Number
		Restrooms	Number
		Fish cleaning stations	Number

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Action Level 1	Action Level 2	Action Level 3	Level 2 and 3 Output Measures
		Shelters	Number
	Transient boat tie up - primary facilities	Docks/slips (*)	Number
		Moorings (*)	Number
		Gangways (*)	Number
			Number
	Transient boat tie up - secondary facilities	Restrooms (*)	Number
		Fuel stations (*)	Number
		Laundry facilities (*)	Number
			Number
	Wildlife Management Areas		Number
		Boundary designation	Number
		Campgrounds	Number
		Dikes/levees	Number
		Observation structures	Number
		Parking lots	Number
		Roads	Number
		Trails	Number
		Trash collection	Number
Land and Water Rights Acquisition and Protection (Potential High Level Purposes: Conservation/Management, Recreation, Administration)	Land acquisition	Fee title	Acres
		Non-fee title	Acres
	Water rights acquisition	Fee title	Acre feet
		Non-fee title	Acre feet
	Conservation area designation		Acres
Private lands agreements		Acres	
Law Enforcement (Potential High Level Purposes: Conservation/Management, Recreation)	Law enforcement		Cases
Outreach (Potential High Level Purposes: Conservation/Management, Recreation)	Partner/stakeholder engagement		Number
		Government agency	Number
		Non-governmental organization	Number
		Others	Number
	Recruitment and retention activities		Number
		For fishing and boating (SFR outreach and communications)	Number
		For hunting	Number
	WSFR program/subprogram outreach	For wildlife watching	Number
		Number	
		Displays, exhibits, kiosks	Number

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Action Level 1	Action Level 2	Action Level 3	Level 2 and 3 Output Measures
		Presentations, workshops, seminars, conferences	Number
		Outreach research	Number
		Brochures, Fliers	Number
		Public service announcements	Number
		Stories, interviews, news releases	Number
		Trade shows	Number
Planning (Potential High Level Purposes: Conservation/Management, Recreation, Administration)	Land use planning		Plans
	Organizational strategic and CMS planning		Plans
		Organizational strategic and operational planning	Plans
		CMS planning	Plans
	Species and habitat management planning		Plans
		Species management planning	Plans
		Listed species recovery planning	Plans
		Habitat management planning	Plans
	State Wildlife Action planning		SWAPs
	WSFR program/subprogram planning		Plans
Species Re-introduction and Stocking (Potential High Level Purposes: Conservation/Management, Recreation)	Native species restoration		Animals
		Propagation and stocking	Animals
		Rehabilitation	Animals
		Translocation	Animals
	Production and stocking for recreational purposes		Animals
		Forage species	Animals
		Put-and-take	Animals
		Put-grow-and-take	Animals
Technical Assistance (Potential High Level Purposes: Conservation/Management)	Environmental review		Reviews
		Review of proposed projects	Reviews
		Review of proposed policies and plans	Reviews
	Technical assistance		Assists
		With individuals and groups involved in resource management decision making	Assists
		With private landowners	Assists