

Table 2. Resource Management System Planning Guide

Resource Management System	Primary Resource Concerns Refer to the CPA-52 for site-specific resource concerns	Essential Practices These practices must be included in a Resource Management System	Facilitating Practices Practices that may be essential based on site-specific resource concerns
CROP	SOIL	Conservation Crop Rotation (328)	Anionic Polyacrylamide (PAM) Application (450)
	1) Erosion	Residue and Tillage Mgmt (<i>select at least one</i>)	Conservation Cover (327)
	2) Condition	Mulch Till (345)	Contour Buffer Strips (332)
	WATER	No-Till/Strip Till/Direct Seed (329)	Contour Farming (330)
	1) Quantity	Ridge Till (346)	Cover crop (340)
	2) Quality	Seasonal (344)	Crosswind Ridges (588)
	AIR QUALITY	Integrated Pest Management (595) - essential if	Crosswind Trap Strips (589C)
	1) Particulate matter	unmitigated pest suppression activities can	Deep Tillage (324)
	2) Excessive greenhouse gasses	negatively impact identified resources	Field Border (386)
	3) Ozone precursors	Irrigation Water Management (449) - essential if irrigated	Filter Strip (393)
	4) Odors, ammonia	Nutrient Management (590) - essential if soil amendments	Forage and Biomass Planting (512)
	PLANTS	and or nutrients are applied	Forage Harvest Management (511)
	1) Not adapted or suited		Grassed Waterway (412)
	2) Condition		Herbaceous Wind Barriers (603)
	ANIMALS		Irrigation Field Ditch (388)
	1) Fish and wildlife		Irrigation Pipeline (430)
	2) Domestic		Irrigation System, Microirrigation (441)
			Irrigation System, Sprinkler (442)
			Irrigation System, Surface and Subsurface (443)
			Irrigation System, Tailwater Recovery (447)
			Prescribed Grazing (528)
			Salinity and Sodic Soil Management (610)
			Stripcropping (585)
			Structure for Water Control (587)
			Surface Roughening (609)
			Terrace (600)
	Upland Wildlife Habitat Management (645)		
	Vegetative Barrier (601)		
	Wetland Wildlife Habitat Management (644)		
	Windbreak/Shelterbelt Establishment (380)		

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HAY <i>(Permanent)</i>	SOIL	Forage Harvest Management (511)	Fence (382)
	1) Erosion	Integrated Pest Management (595) - essential if	Forage and Biomass Planting (512)
	2) Condition	unmitigated pest suppression activities can	Grade Stabilization Structure (410)
	WATER	negatively impact identified resources	Herbaceous Weed Control (315)
	1) Quantity	Irrigation Water Management (449) - essential if irrigated	Irrigation Field Ditch (388)
	2) Quality	Nutrient Management (590) - essential if soil amendments	Irrigation Pipeline (430)
	AIR	and or nutrients are applied	Irrigation System, Sprinkler (442)
	1) Particulate matter	Prescribed Grazing (528) - essential if grazed	Irrigation System, Surface and Subsurface (443)
	2) Excessive greenhouse gasses		Mulching (484)
	3) Ozone precursors		Pipeline (516)
	4) Odors, ammonia		Range Planting (550)
	PLANTS		Structure for Water Control (587)
	1) Not adapted or suited		Upland Wildlife Habitat Management (645)
	2) Condition		Use Exclusion (472)
	ANIMALS		Water Well (642)
	1) Fish and wildlife		Watering Facility (614)
	2) Domestic		Wetland Wildlife Habitat Management (644)
			Windbreak/Shelterbelt Establishment (380)

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PASTURE (Permanent)	SOIL	Prescribed Grazing (528)	Animal Trails and Walkways (575)
	1) Erosion	Forage Harvest Management (511) - essential if hayed	Brush Management (314)
	2) Condition	Integrated Pest Management (595) - essential if	Fence (382)
	WATER	unmitigated pest suppression activities can	Firebreak (394)
	1) Quantity	negatively impact identified resources	Forage and Biomass Planting (512)
	2) Quality	Irrigation Water Management (449) - essential if irrigated	Grade Stabilization Structure (410)
	AIR	Nutrient Management (590) - essential if soil amendments	Grazing Land Mechanical Treatment (548)
	1) Particulate matter	and or nutrients are applied	Herbaceous Weed Control (315)
	2) Excessive greenhouse gasses		Integrated Pest Management (595)
	3) Ozone precursors		Irrigation Field Ditch (388)
	4) Odors, ammonia		Irrigation Pipeline (430)
	PLANTS		Irrigation System, Sprinkler (442)
	1) Not adapted or suited		Irrigation System, Surface and Subsurface (443)
	2) Condition		Mulching (484)
	ANIMALS		Pipeline (516)
	1) Fish and wildlife		Pond (378)
	2) Domestic		Prescribed Burning (338)
			Range Planting (550)
			Spring Development (574)
			Structure for Water Control (587)
			Upland Wildlife Habitat Management (645)
			Use Exclusion (472)
			Water Well (642)
		Watering Facility (614)	
		Wetland Wildlife Habitat Management (644)	
		Windbreak/Shelterbelt Establishment (380)	

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GRAZED RANGE	SOIL	Fence (382)	Animal Trails and Walkways (575)
	1) Erosion	Prescribed Grazing - (528)	Brush Management (314)
	2) Condition		Fence (382)
	WATER		Firebreak (394)
	1) Quantity		Forest Stand Improvement (666)
	2) Quality		Fuel Break (383)
	AIR		Grade Stabilization Structure (410)
	1) Particulate matter		Grazing Land Mechanical Treatment (548)
	2) Excessive greenhouse gasses		Herbaceous Weed Control (315)
	3) Ozone precursors		Integrated Pest Management (595)
	4) Odors, ammonia		Pipeline (516)
	PLANTS		Pond (378)
	1) Not adapted or suited		Prescribed Burning (338)
	2) Condition		Range Planting (550)
	ANIMALS		Restoration/Mgmt of Rare or Declining Habitats (643)
	1) Fish and wildlife		Riparian Forest Buffer (391)
	2) Domestic		Riparian Herbaceous Cover (390)
			Shallow Water Development/Mgmt for Wildlife (646)
			Spring Development (574)
			Stream Habitat Improvement and Mgmt (395)
			Streambank and Shoreline Protection (580)
	Upland Wildlife Habitat Management (645)		
	Use Exclusion (472)		
	Watering Facility (614)		
	Water Well (642)		
	Wetland Wildlife Habitat Management (644)		
	Windbreak/Shelterbelt Establishment (380)		

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FOREST	SOIL	Forest Stand Improvement (666)	Animal Trails and Walkways (575)
	1) Erosion		Brush Management (314)
	2) Condition		Fence (382)
	WATER		Firebreak (394)
	1) Quantity		Forest Site Preparation (490)
	2) Quality		Forest Slash Treatment (384)
	AIR		Forest Trails and Landings (655)
	1) Particulate matter		Fuel Break (383)
	2) Excessive greenhouse gasses		Herbaceous Weed Control (315)
	3) Ozone precursors		Integrated Pest Management (595)
	4) Odors, ammonia		Nutrient Management (590)
	PLANTS		Pipeline (516)
	1) Not adapted or suited		Pond (378)
	2) Condition		Prescribed Burning (338)
	ANIMALS		Range Planting (550)
	1) Fish and wildlife		Restoration/Mgmt of Rare or Declining Habitats (643)
	2) Domestic		Riparian Forest Buffer (391)
			Riparian Herbaceous Cover (390)
			Shallow Water Development/Mgmt for Wildlife (646)
			Spring Development (574)
			Stream Habitat Improvement and Mgmt (395)
		Streambank and Shoreline Protection (580)	
		Tree/Shrub Establishment (612)	
		Tree/Shrub Pruning (660)	
		Upland Wildlife Habitat Management (645)	
		Use Exclusion (472)	
		Water Well (642)	
		Watering Facility (614)	
		Wetland Wildlife Habitat Management (644)	

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GRAZED FOREST	SOIL	Fence (382)	Animal Trails and Walkways (575)
	1) Erosion	Forest Stand Improvement (666)	Brush Management (314)
	2) Condition	Prescribed Grazing (528)	Firebreak (394)
	WATER		Forest Site Preparation (490)
	1) Quantity		Forest Slash Treatment (384)
	2) Quality		Forest Trails and Landings (655)
	AIR		Fuel Break (383)
	1) Particulate matter		Grazing Land Mechanical Treatment (548)
	2) Excessive greenhouse gasses		Herbaceous Weed Control (315)
	3) Ozone precursors		Integrated Pest Management (595)
	4) Odors, ammonia		Pipeline (516)
	PLANTS		Prescribed Burning (338)
	1) Not adapted or suited		Prescribed Grazing (528)
	2) Condition		Range Planting (550)
	ANIMALS		Restoration/Mgmt of Rare or Declining Habitats (643)
	1) Fish and wildlife		Riparian Forest Buffer (391)
	2) Domestic		Riparian Herbaceous Cover (390)
			Shallow Water Development/Mgmt for Wildlife (646)
			Spring Development (574)
			Stream Habitat Improvement and Mgmt (395)
			Streambank and Shoreline Protection (580)
			Tree/Shrub Establishment (612)
			Tree/Shrub Pruning (660)
		Upland Wildlife Habitat Management (645)	
		Use Exclusion (472)	
		Water Well (642)	
		Watering Facility (614)	
		Wetland Wildlife Habitat Management (644)	

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WILDLIFE	SOIL	Habitat Management (select one practice per site)	Constructed Wetland (656)
	1) Erosion	Early Successional Habitat Devmt/Mgmt. (647)	Brush Management (314)
	2) Condition	Restoration/Mgmt of Rare or Declining Habitats (643)	Dam (402)
	WATER	Shallow Water Development and Management (646)	Dike (356)
	1) Quantity	Upland Wildlife Habitat Management (645)	Fence (382)
	2) Quality	Wetland Wildlife Habitat Management (644)	Fish Pond Management (399)
	AIR		Forest Stand Improvement (666)
	1) Particulate matter		Herbaceous Weed Control (315)
	2) Excessive greenhouse gasses		Integrated Pest Management (595)
	3) Ozone precursors		Pipeline (516)
	4) Odors, ammonia		Pond (378)
	PLANTS		Prescribed Grazing (528)
	1) Not adapted or suited		Spring Development (574)
	2) Condition		Stream Habitat Improvement and Mgmt (395)
	ANIMALS		Streambank and Shoreline Protection (580)
	1) Fish and wildlife		Structure for Water Control (587)
	2) Domestic		Tree/Shrub Establishment (612)
			Use Exclusion (472)
			Watering Facility (614)
			Wetland Creation (658)
		Wetland Enhancement (659)	
		Wetland Restoration (657)	
		Windbreak/Shelterbelt Establishment (380)	
		Windbreak/Shelterbelt Renovation (650)	

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HEADQUARTERS	SOIL		Agrichemical Handling Facility (309)
	1) Erosion		Composting Facility (317)
	2) Condition		Diversion (362)
	WATER		Fence (382)
	1) Quantity		Firebreak (394)
	2) Quality		Heavy Use Area Protection (561)
	AIR		Manure Transfer (634)
	1) Particulate matter		Pond Sealing or Lining, Flexible Memb (521A)
	2) Excessive greenhouse gasses		Pumping Plant (533)
	3) Ozone precursors		Roof Runoff Structure (558)
	4) Odors, ammonia		Sediment Basin (350)
	PLANTS		Use Exclusion (472)
	1) Not adapted or suited		Vegetated Treatment Area (635)
	2) Condition		Waste Storage Facility (313)
	ANIMALS		Waste Treatment Lagoon (359)
	1) Fish and wildlife		Waste Utilization (633)
	2) Domestic		Well Decommissioning (351)
			Windbreak/Shelterbelt Establishment (380)
			Windbreak/Shelterbelt Renovation (650)

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URBAN	SOIL		Brush Management (314)
	1) Erosion		Critical Area Planting (342)
	2) Condition		Diversion (362)
	WATER		Grade Stabilization Structure (410)
	1) Quantity		Grassed Waterways (412)
	2) Quality		Herbaceous Weed Control (315)
	AIR		Integrated Pest Management (595)
	1) Particulate matter		Irrigation Water Management (449)
	2) Excessive greenhouse gasses		Mulching (484)
	3) Ozone precursors		Nutrient Management (590)
	4) Odors, ammonia		Open Channel (582)
	PLANTS		Sediment Basin (350)
	1) Not adapted or suited		Surface Roughening (609)
	2) Condition		Terrace (600)
	ANIMALS		Use Exclusion (472)
	1) Fish and wildlife		
	2) Domestic		