

**TABLE 2: SOUTH DAKOTA CONSERVATION PLANNING GUIDE
RESOURCE MANAGEMENT SYSTEM (RMS) LEVEL CONSERVATION PLANNING**

Land Use	Resource Concern	Primary Practices in South Dakota	Secondary Practices in South Dakota
CROP	SOIL EROSION		
	Sheet and Rill Wind Ephemeral Gully	Conservation Crop Rotation - 328 Residue and Tillage Management (one): Seasonal - 344 No Till/Strip/Direct Seed - 329 Mulch Till - 345 Ridge Till - 346	Conservation Cover - 327 Contour Buffer Strips - 332 Contour Farming - 330 Crosswind Ridges - 589A Crosswind Trap Strips - 589C Field Border - 386 Filter Strip - 393A Grade Stabilization - 410 Herbaceous Wind Barriers - 603
	Classic Gully	Grassed Waterway - 412	Irrigation Water Management - 449
	Irrigation Induced Erosion	Irrigation Water Management - 449	Herbaceous Wind Barriers - 603
	SOIL CONDITION		Irrigation Water Management - 449
	Organic Matter Depletion	Nutrient Management - 590 Conservation Crop Rotation - 328 Residue and Tillage Management (one): No Till/Strip/Direct Seed - 329 Mulch Till - 345 Ridge Till - 346	Pest Management - 595 Riparian Forest Buffer - 391 Soil Salinity Management (non-irrigated) - 571 Stripcropping - 585 Terrace - 600 Water and Sediment Control Basin - 638
	WATER QUANTITY		Windbreak/Shelterbelt Establishment - 380
	Inefficient Water Use on Irrigated Land	Irrigation Water Management - 449	
	WATER QUALITY		
	Harmful Levels of Pesticides In Ground Water	Pest Management - 595	
	Excessive Nutrients and Organics In Ground Water	Nutrient Management - 590	
	Harmful Levels of Pesticides In Surface Water	Pest Management - 595	
	Excessive Nutrients and Organics In Surface Water	Nutrient Management - 590	
	Excessive Suspended Sediment and Turbidity in Surface Water	Conservation Crop Rotation - 328 Residue and Tillage Management (one): No Till/Strip/Direct Seed - 329 Mulch Till - 345 Ridge Till - 346	
	PLANTS CONDITION		
Productivity, Health and Vigor	Nutrient Management - 590		
HAY	PLANTS - CONDITION		Windbreak/Shelterbelt Establishment - 380
	Productivity, Health and Vigor Forage Quality and Palatability	Forage Harvest Management - 511 Nutrient Management - 590 (if needed) Pasture and Hay Planting - 512 (if needed)	
	Noxious and Invasive Plants	Pest Management - 595	

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PASTURE	PLANTS - CONDITION		Animal Trails and Walkways - 575 Fence - 382 Firebreak - 394 Prescribed Burning - 338
	Productivity, Health and Vigor Forage Quality and Palatability	Prescribed Grazing - 528 Nutrient Management - 590 (if needed) Pasture and Hay Planting - 512 (if needed)	
	Noxious and Invasive Plants	Pest Management - 595	
	ANIMALS - DOMESTIC ANIMALS		
	Inadequate Stock Water	<i>One or more of the following water development practices (if needed):</i> Pipeline - 516 Pond - 378 Pumping Plant - 533 Spring Development - 574 Watering Facility - 614 Well - 642	
GRAZED RANGE	PLANTS - CONDITION		Animal Trails and Walkways - 575 Brush Management - 314 Fence - 382 Firebreak - 394 Grazing Land Mechanical Treatment - 548 Prescribed Burning - 338 Range Planting - 550
	Productivity, Health and Vigor Forage Quality and Palatability	Prescribed Grazing - 528	
	Noxious and Invasive Plants	Pest Management - 595	
	ANIMALS - DOMESTIC ANIMALS		
	Inadequate Stock Water	<i>One or more of the following water development practices (if needed):</i> Pipeline - 516 Pond - 378 Pumping Plant - 533 Spring Development - 574 Watering Facility - 614 Well - 642	
FOREST	PLANTS - CONDITION		Firebreak - 394 Forest Harvest Trails and Landings - 655 Forest Site Preparation - 490 Pest Management - 595 Prescribed Burning - 338 Tree/Shrub Establishment - 612 Tree/Shrub Pruning - 660
	Productivity, Health and Vigor	Forest Stand Improvement - 666	

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GRAZED FOREST	PLANTS - CONDITION		Animal Trails and Walkways - 575
	Productivity, Health and Vigor Forage Quality and Palatability	Forest Stand Improvement - 666 Prescribed Grazing - 528	Brush Management - 314 Fence - 382
	Noxious and Invasive Plants	Pest Management - 595	Firebreak - 394
	ANIMALS - DOMESTIC ANIMALS		Forest Harvest Trails and Landings - 655
	Inadequate Stock Water	<i>One or more of the following water development practices (if needed):</i> Pipeline - 516 Pond - 378 Pumping Plant - 533 Spring Development - 574 Watering Facility - 614 Well - 642	Forest Site Preparation - 490 Prescribed Burning - 338 Tree/Shrub Establishment - 612 Tree/Shrub Pruning - 660
WILDLIFE	ANIMALS - FISH & WILDLIFE		Conservation Cover - 327
	Inadequate Food Inadequate Cover/Shelter Inadequate Water Inadequate Space Plant Community Fragmentation	<i>One or more of the following practices as required:</i> Upland Wildlife Habitat Mgmt. - 645 Wetland Wildlife Habitat Mgmt. - 644 Stream Habitat Improvement and Mgmt.- 395	Dam, Multiple Purpose -349 Dike - 356 Early Successional Habitat Development - 647 Fence - 382 Fishpond Management - 399 Hedgerow Planting - 422 Pest Management - 595 Pond - 378 Prescribed Burning - 338 Prescribed Grazing - 528 Restoration & Management of Declining Habitats - 643 Riparian Forest Buffer - 391 Riparian Herbaceous Cover - 390 Shallow Water Management for Wildlife - 646 Spring Development - 574 Streambank and Shoreline Protection - 580 Structure for Water Control - 587 Tree/Shrub Establishment - 612 Use Exclusion - 472 Wetland Creation - 658 Wetland Enhancement - 659 Wetland Restoration - 657 Wildlife Watering Facility - 648 Windbreak/Shelterbelt Establishment - 380 Windbreak/Shelterbelt Renovation - 650

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HEAD - QUARTER S	WATER - WATER QUALITY		Composting Facility - 317
	Excessive Nutrients and Organics In Ground Water	Waste Storage Facility - 313 (if needed)	Diversion - 362
	Excessive Nutrients and Organics In Surface Water		Filter Strip - 393A
	ANIMALS - DOMESTIC ANIMALS		Fence - 382
	Inadequate Shelter	Windbreak/Shelterbelt Establishment - 380 (if needed)	Firebreak - 394 Heavy Use Area Protection - 561 Manure Transfer - 634 Roof Runoff Management - 558 Runoff Management System - 570 Waste Treatment Lagoon - 359 Waste Utilization - 633 Windbreak/Shelterbelt Renovation - 650
URBAN	SOIL - EROSION		Diversion - 362
	Sheet & Rill		Grade Stabilization Structure - 410
	Wind	Critical Area Planting - 342	Open Channel - 582
	Ephemeral Gully		Sediment Basin - 350
	Classic Gully	Grassed Waterway - 412	Terrace - 600
	Streambank	Streambank and Shoreline Protection - 580	