

Table 2. Montana General Effects Data - Conservation Practice Physical Effects (CPPE), Water

Practice Name	Practice Code	Water Quality Degradation	Water Quality Degradation	Water Quality Degradation	Water Quality Degradation	Water Quality Degradation	Water Quality Degradation	Water Quality Degradation	Water Quality Degradation	Water Quality Degradation	Water Quality Degradation	Water Quality Degradation	Water Quality Degradation
		-Pesticides Transported to Surface and Groundwater	-Pesticides Transported to Surface and Groundwater	-Excess Nutrients in Surface and Groundwater	-Excess Nutrients in Surface and Groundwater	-Salts in Surface and Groundwater	-Salts in Surface and Groundwater	-Excess Pathogens and Chemicals from Manure, Bio-solids or Compost Applications	-Excess Pathogens and Chemicals from Manure, Bio-solids or Compost Applications	-Petroleum, Heavy Metals and Other Pollutants Transported to Receiving Waters	-Petroleum, Heavy Metals and Other Pollutants Transported to Receiving Waters	-Excessive Sediment in Surface Water	-Elevated Water Temperature
		-- Pesticides in Surface Water	-- Pesticides in Groundwater	-- Nutrients in Surface water	-- Nutrients in Groundwater	-- Salts in Surface Water	-- Salts in Groundwater	-- Excess Pathogens and Chemicals from Manure, Bio-solids or Compost Applications in Surface Water	-- Excess Pathogens and Chemicals from Manure, Bio-solids or Compost Applications in Groundwater	-- Petroleum, Heavy Metals and Other Pollutants Transported to Surface Water	-- Petroleum, Heavy Metals and Other Pollutants Transported to Groundwater	-- Excessive Sediment in Surface Water	-- Elevated Water Temperature
Access Control	472	1	0	1	1	0	0	1	1	1	1	3	3
Access Road	560	0	0	0	0	0	0	0	0	0	0	1	0
Animal Mortality Facility	316	0	0	2	2	0	0	2	2	0	0	0	0
Brush Management	314	-1	0	0	0	0	1	0	0	0	0	2	0
Composting Facility	317	0	0	2	2	0	0	2	2	0	0	0	0
Conservation Cover	327	2	2	4	4	2	5	2	1	2	0	4	0
Conservation Crop Rotation	328	2	2	2	2	1	2	1	0	0	0	2	0
Cover Crop	340	2	2	2	2	0	2	1	2	0	0	2	0
Critical Area Planting	342	0	0	2	1	0	0	0	0	0	0	4	0
Dam, Diversion	348	0	0	0	0	0	0	0	0	0	0	0	-2
Dike	356	2	2	0	0	2	0	0	0	0	0	0	0
Diversion	362	1	1	0	-1	0	0	1	0	1	0	2	0
Early Successional Habitat Development/Management	647	0	0	0	0	0	0	0	0	0	0	0	-2
Edge-of-Field Water Quality Monitoring-- Data Collection and Evaluation	201	0	0	0	0	0	0	0	0	0	0	0	0
Edge-of-Field Water Quality Monitoring-- System Installation	202	0	0	0	0	0	0	0	0	0	0	0	0
FARMSTEAD ENERGY IMPROVEMENT	374	0	0	0	0	0	0	0	0	0	0	0	-2
Fence	382	0	0	0	0	0	0	1	1	0	0	0	0
Field Border	386	2	2	2	2	0	2	1	0	0	0	2	0
Filter Strip	393	2	1	5	2	1	1	3	1	4	1	5	0
Firebreak	394	0	0	0	0	0	0	0	0	0	0	-1	0
Forage and Biomass Planting	512	2	2	2	1	1	1	1	1	2	1	2	1
Forage Harvest Management	511	2	0	1	0	0	0	1	0	1	0	0	0
Forest Stand Improvement	666	1	1	1	1	1	0	1	1	1	1	0	0
Forest Trails and Landings	655	0	0	1	0	0	0	0	0	0	0	0	0
Grade Stabilization Structure	410	0	0	0	0	0	0	0	0	0	0	2	0
Grassed Waterway	412	2	0	2	0	0	0	1	0	1	0	2	0
Grazing Land Mechanical Treatment	548	0	0	1	0	0	0	2	0	1	0	4	0
Heavy Use Area Protection	561	0	0	1	0	0	0	2	0	0	0	2	0
Herbaceous Weed Control	315	-1	0	0	0	0	0	0	0	0	0	0	0
Herbaceous Wind Barriers	603	1	0	1	0	0	0	0	0	1	0	1	0
Integrated Pest Management	595	5	5	0	0	0	0	0	0	0	0	0	0
Irrigation Land Leveling	464	2	2	2	2	0	2	2	2	1	1	1	0
Irrigation Pipeline	430	0	0	1	0	1	2	1	1	0	1	1	0
Irrigation System, Microirrigation	441	2	2	2	2	0	2	2	1	1	1	1	0
Irrigation System, Surface and Subsurface	443	1	1	1	1	1	1	1	1	1	1	0	0
Irrigation Water Management	449	2	2	2	2	2	2	2	2	2	2	2	0
Livestock Pipeline	516	0	0	0	0	0	0	0	0	0	0	0	0
Mulching	484	2	0	2	-1	1	0	-1	0	1	0	2	0
Nutrient Management	590	0	0	5	5	1	1	1	1	2	2	0	0
Pond	378	0	0	2	-1	0	0	-2	0	0	0	2	0
Pond Sealing or Lining, Bentonite Sealant	521C	0	0	2	2	0	3	0	2	0	1	0	0
Pond Sealing or Lining, Compacted Clay Treatment	521D	0	0	2	2	0	3	0	2	0	1	0	0
Pond Sealing or Lining, Flexible Membrane	521A	0	0	2	2	0	3	0	2	0	1	0	0
Prescribed Burning	338	0	0	2	1	0	0	0	0	1	0	1	0
Prescribed Grazing	528	2	1	2	1	2	1	1	1	1	0	2	1
Pumping Plant	533	0	0	0	0	0	0	0	0	0	0	0	0
Range Planting	550	2	2	2	1	1	1	1	1	2	1	2	1
Residue and Tillage Management, Mulch Till	345	3	0	2	0	0	0	1	0	1	0	2	0
Residue and Tillage Management, No-Till/Strip Till/Direct Seed	329	4	0	3	0	0	0	2	0	2	0	3	0
Restoration and Management of Declining Habitats	643	0	0	0	0	0	0	0	0	0	0	2	2
Riparian Forest Buffer	391	3	1	5	5	1	1	3	1	3	1	5	5
Riparian Herbaceous Cover	390	2	2	5	5	1	1	3	2	2	1	4	2
Roof Runoff Structure	558	0	0	2	2	2	0	2	0	0	0	1	0
Roofs and Cover	367	0	0	0	0	0	0	0	1	1	1	0	0
Seasonal High Tunnel System for Crops	798	0	0	0	0	0	0	0	0	0	0	-1	0
Spring Development	574	0	0	0	0	1	0	0	0	2	0	1	0
Sprinkler System	442	2	2	2	1	2	2	2	1	1	1	1	0
Stormwater Runoff Control	570	0	0	2	0	0	0	0	0	2	0	-4	0
Stream Crossing	578	0	0	-1	0	0	0	-3	0	0	0	2	0
Streambank and Shoreline Protection	580	0	0	1	0	0	0	1	0	0	0	2	1
Structure for Water Control	587	0	0	0	0	0	0	0	0	0	0	1	1
Subsurface Drain	606	2	2	-2	1	-2	2	0	1	0	1	2	0
Tree/Shrub Establishment	612	1	1	1	1	1	1	1	1	1	1	3	1
Tree/Shrub Pruning	660	1	1	1	1	0	0	0	0	0	0	0	0
Tree/Shrub Site Preparation	490	-1	-1	0	0	0	0	0	0	0	0	-1	0
Underground Outlet	620	-1	0	-1	0	0	0	-1	0	1	0	0	0
Upland Wildlife Habitat Management	645	0	0	0	0	0	0	0	0	0	0	2	0
Waste Facility Closure	360	0	0	2	2	0	1	0	2	0	0	0	0
Waste Separation Facility	632	0	0	2	2	2	2	2	2	2	2	0	0
Waste Storage Facility	313	0	0	4	3	2	1	2	2	0	1	0	0
Waste Transfer	634	0	0	2	2	2	2	2	2	0	0	0	0
Water and Sediment Control Basin	638	0	-1	0	-1	0	0	-1	0	-1	-1	4	-2
Water Well	642	0	0	0	0	0	0	-1	0	0	0	0	0
Watering Facility	614	0	0	0	0	1	0	1	-1	1	0	2	1
Well Decommissioning	351	0	2	0	2	0	2	0	2	0	2	0	0
Wetland Enhancement	659	1	1	3	1	1	0	1	0	2	0	2	0
Wetland Restoration	657	1	1	3	1	1	0	1	0	2	0	2	0
Wetland Wildlife Habitat Management	644	0	0	0	0	0	0	1	0	0	0	3	0

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Windbreak/Shelterbelt Establishment	380	3	0	1	1	0	0	0	0	1	0	1	0
Woody Residue Treatment	384	0	0	0	0	0	0	0	0	0	0	1	0