

This classification of ecosystem services is partially adapted from the University of Vermont's EcoValue Project (Troy, A. and M. Wilson. 2006. Mapping ecosystem services: practical challenges and opportunities linking GIS and value transfer. *Ecological Economics* 60: 435-449). Using a technique known as meta-benefits transfer, it links ecosystem services values, derived from peer-reviewed literature, to land use/ land cover types across large landscapes. The Millenium Assessment was used as an initial grouping of these services, from which the UVM project created several finer divisions of services. Divisions 1 and 2 were used to link specific types of services described in the valuation literature, with the groups that were then used to link to specific land use/ land cover types. Since the project focused on non-market valuation surveys, the provisioning group of services described by the Millenium Assessment was not included. Services that were

Millenium Assessment Groups	UVM EcoValue Project Groups	UVM Ecosystem Services Division1	UVM Ecosystem Services Division2	EPA Groups
Cultural	Aesthetic & Recreational	Active Recreation-Non-motorized	Camping	Cultural,Recreation
Cultural	Aesthetic & Recreational	Active Recreation-Non-motorized	Canoeing/Kayaking	Cultural,Recreation
Cultural	Aesthetic & Recreational	Active Recreation-Non-motorized	Hiking	Cultural,Recreation
Cultural	Aesthetic & Recreational	Aesthetics and Passive Recreation	Amenity of Openspace	Cultural,Aesthetic
Cultural	Aesthetic & Recreational	Aesthetics and Passive Recreation	Amenity of Waterfront	Cultural,Aesthetic
Cultural	Aesthetic & Recreational	Aesthetics and Passive Recreation	Picnicking	Cultural,Aesthetic
Cultural	Aesthetic & Recreational	Aesthetics and Passive Recreation	Scenic Viewing/Sightseeing	Cultural,Aesthetic
Cultural	Aesthetic & Recreational	Aesthetics and Passive Recreation	Wildlife/Bird Watching	Cultural,Aesthetic
Cultural	Aesthetic & Recreational	Hunting and Fishing	Big Game Hunting	Cultural,Heritage or Food
Cultural	Aesthetic & Recreational	Hunting and Fishing	Fishing/Angling	Cultural,Heritage or Food
Cultural	Aesthetic & Recreational	Hunting and Fishing	Waterfowl Hunting	Cultural,Heritage or Food
Regulating	Disturbance Mitigation	Wind and Water Controls	Control of Shoreline Erosion	Flood mitigation
Regulating	Disturbance Mitigation	Wind and Water Controls	Flood Control	Flood mitigation
Regulating	Disturbance Mitigation	Wind and Water Controls	Storm Surge Protection	Flood mitigation
Regulating	Gas & Climate Regulation	Air Quality	Air Temperature Cooling from Shade	Air Quality
Regulating	Gas & Climate Regulation	Air Quality	NOX Abatement	Air Quality
Regulating	Gas & Climate Regulation	Air Quality	Particulate Matter Reduction	Air Quality
Regulating	Gas & Climate Regulation	Air Quality	Sulpher and Odor Reduction	Air Quality
Regulating	Gas & Climate Regulation	Climate	GHG Emissions Reduction	Climate Regulation
Regulating	Gas & Climate Regulation	Climate	GHG Storage/Sequestration	Climate Regulation, Primary Production
Supporting	Habitat and Refugium	Avian Habitat	Large Bird-Predators and Scavengers	Habitat/Biodiversity
Supporting	Habitat and Refugium	Avian Habitat	Song Bird	Habitat/Biodiversity
Supporting	Habitat and Refugium	Avian Habitat	Waterfowl	Habitat/Biodiversity
Supporting	Habitat and Refugium	Fish Habitat	Salmon	Habitat/Biodiversity
Supporting	Habitat and Refugium	Fish Habitat	Trout	Habitat/Biodiversity
Supporting	Habitat and Refugium	Land Cover and Biodiversity	Estuarine Habitat	Habitat/Biodiversity
Supporting	Habitat and Refugium	Land Cover and Biodiversity	Forested Wetland Habitat	Habitat/Biodiversity
Supporting	Habitat and Refugium	Land Cover and Biodiversity	Riparian Habitat	Habitat/Biodiversity
Supporting	Habitat and Refugium	Land Cover and Biodiversity	Wetland Habitat	Habitat/Biodiversity
Regulating	Plant & Soil Regulation	Agricultural Maintenance	Biological Pest Control	Disease/Pest Resistance
Regulating	Plant & Soil Regulation	Agricultural Maintenance	Fertilizer and Pesticide Onsite Retention	Habitat/Biodiversity
Regulating	Plant & Soil Regulation	Agricultural Maintenance	Nitrogen Fixation	Soil formation and quality, nutrient cycling
Regulating	Plant & Soil Regulation	Agricultural Maintenance	Plant Nutrient Mineralization and Uptake	Soil formation and quality, nutrient cycling

Regulating	Plant & Soil Regulation	Agricultural Maintenance	Pollination	
Regulating	Plant & Soil Regulation	Agricultural Maintenance	Soil Biodiversity Maintenance	Soil formation and quality, nutrient cycling
Regulating	Plant & Soil Regulation	Agricultural Maintenance	Soil Erosion Control	Soil formation and quality
Regulating	Plant & Soil Regulation	Agricultural Maintenance	SOM Maintenance and Accumulation	Soil formation and quality, nutrient cycling
Regulating	Water Supply & Regulation	Water Quality	Dissolved Oxygen Maintenance	Water Purification
Regulating	Water Supply & Regulation	Water Quality	Inorganic Compounds Abatement	Water Purification
Regulating	Water Supply & Regulation	Water Quality	Pathogen Abatement	Water Purification
Regulating	Water Supply & Regulation	Water Quality	Suspended Solids Abatement	Water Purification
Regulating	Water Supply & Regulation	Water Quality	Toxic Metals Abatement	Water Purification
Regulating	Water Supply & Regulation	Water Supply	Maintenance of Natural Hyrdologic Flows	Water Storage
Regulating	Water Supply & Regulation	Water Supply	Storage of Peak Flows	Water Storage