

**Figure 2. Major Categories of Environmental Resources/
Goods and Services from Wildlife and Forests**

<i>Wildlife and Forest Systems</i>	<i>Resource</i>	<i>Beneficial Product or Service</i>	<i>User Demands Direct or derived?</i>	<i>Location</i>	<i>Typically priced in the market?</i>	<i>Option and existence value significant?</i>	
<p>A vertical bracket on the left side of the table groups the resources into environmental layers. From top to bottom: Air (includes Timber, Mineral Deposits, Range forage, Water); Water (includes Water); Flora (includes Wildlife populations, Habitat, Landforms); Fauna (includes Atmospheric visibility, Biological processes, Carbon sequestration, Oxygen release, Biodiversity); and Soil (includes Carbon sequestration, Oxygen release, Biodiversity).</p>	<i>Timber</i>	<i>Lumber</i>	<i>Derived</i>	<i>Off-site</i>	<i>Yes</i>	<i>No</i>	
	<i>Mineral Deposits</i>	<i>Minerals</i>	<i>Derived</i>	<i>Off-site</i>	<i>Yes</i>	<i>No</i>	
	<i>Range forage</i>	<i>Livestock products</i>	<i>Derived</i>	<i>Off-site</i>	<i>Yes</i>	<i>No</i>	
	<i>Water</i>	<i>Water for downstream use</i>	<i>Direct, derived</i>	<i>Off-site</i>	<i>No</i>	<i>Maybe*</i>	
		<i>Flood protection</i>	<i>Direct</i>	<i>On-site, off-site</i>	<i>No</i>	<i>Maybe*</i>	
		<i>Recreation</i>	<i>Direct, derived</i>	<i>On-site and vicinity</i>	<i>No</i>	<i>Maybe*</i>	
	<i>Wildlife populations</i>						
	<i>Habitat</i>						
	<i>Landforms</i>						
	<i>Ecological continuity</i>		<i>Ecological continuity</i>	<i>Direct</i>	<i>On-site, off-site</i>	<i>No</i>	<i>Yes</i>
	<i>Scenery</i>		<i>Scenery</i>	<i>Direct, derived</i>	<i>On-site and vicinity</i>	<i>No</i>	<i>Maybe*</i>
	<i>Waste assimilation</i>		<i>Waste assimilation</i>		<i>On-site, off-site</i>	<i>No</i>	<i>Maybe*</i>
	<i>Global benefits</i>		<i>Global benefits</i>	<i>Direct, derived</i>	<i>On-site, off-site</i>	<i>No</i>	<i>Maybe*</i>
	<i>Clean air</i>		<i>Clean air</i>	<i>Direct, derived</i>	<i>On-site, off-site</i>	<i>No</i>	<i>Maybe*</i>
	<i>Ecological continuity</i>		<i>Ecological continuity</i>	<i>Direct, derived</i>	<i>On-site, off-site</i>	<i>Yes/No</i>	<i>Yes</i>

*The possibility of significant option and existence value is real, and should be considered in cost/benefit estimation.
Source: Adapted from Peterson and Randall, 1984.