<table>
<thead>
<tr>
<th>Buffer Type*</th>
<th>Buffer Width:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Natural Forest</td>
<td>&gt;100</td>
</tr>
<tr>
<td>Shrub/Sapling</td>
<td>30-100</td>
</tr>
<tr>
<td>Perennial Herb</td>
<td>10-30</td>
</tr>
<tr>
<td>Other</td>
<td>3-10</td>
</tr>
</tbody>
</table>

*If exactly one-half of two buffer types, take half the sum

**Hydrologic Modification**

- Ditch
- Tile Drain
- Dike
- weir/dam Type: __________
- Stormwater inputs/culvert
- Point source (non-stormwater)
- Filling, grading, dredging (of wetland/waterbody or immediate buffers)
- Road bed/railroad
- Dead/dying trees
- Other __________

**Score:** __________

(Score = the number of checked boxes)

**Vegetation Alteration**

- Mowing
- Grazing
- Tree cutting (> 50% canopy removal)
- Brush cutting (mechanized removal of shrubs/saplings)
- Removal of woody debris
- Aquatic weed control (mechanical or herbicide)
- Excessive herbivory (deer, muskrat, geese, carp, etc.)
- Dominant presence (>50% of the vegetation) of exotic or aggressive plant species (see list)
- Evidence of chemical defoliation
- Other __________

**Score:** __________

**Sedimentation**

- Sediment deposits/plumes
- Eroding banks/slopes
- Active/recently active adjacent construction, plowing, heavy grazing, or forest harvesting
- Siltlines on ground or vegetation
- Urban/road stormwater input/culvert
- Dominant presence (>50% of vegetation) of sediment tolerant plants (see list)
- Other __________

**Score:** __________

**Eutrophication**

- Direct discharges from agricultural feedlots, manure pits, etc.
- Direct discharges from septic or sewage treatment systems
- Heavy or moderately heavy formation of algal mats
- Dominant presence (>50% of vegetation) of nutrient tolerant species (e.g., uniform stands of exotic/aggressive species - see list)
- Other (e.g., signs of excess nutrients - methane odor, dead fish, etc.) __________

**Score:** __________

**Dissolved Oxygen**

- Excessive density of aquatic plants or algal mats in water column
- Excessive deposition or dumping of organic waste (e.g., leaves, grass clippings, woody debris, etc.)
- Direct discharges of organic wastewater or material (e.g., milkhouse waste, food-processing waste, other wastewater sources)

**Score:** __________

**Contaminant Toxicity**

- Severe vegetation stress
- Obvious spills, discharges, plumes, odors
- Wildlife impacts (e.g., tumors, abnormalities, etc.)
- Adjacent industrial sites, proximity of railroad
- Other __________

**Score:** __________

**Acidification**

- AMD discharges
- Adjacent mined lands/spoil piles
- Excessively clear water
- Absence of expected biota
- Other (e.g., abnormally low pH measure) __________

**Score:** __________

**Turbidity** (if high conc, check both boxes)

- High concentration of suspended solids in water column
- Moderate concentration of suspended solids in water column

**Score:** __________

**Thermal Alteration** (if high temp, check both boxes)

- Significant increase water temperature
- Moderate increase in water temperature

**Score:** __________

**Salinity**

- Obvious increase in concentration of dissolved salts

**Score:** __________