

Analysis Name: Wetland Preservation

Map and score those wetlands that are intact, but which are not already permanently preserved via ownership by a conservation group or by easement or deed restriction.

Score wetlands as to how many of the desirable factors are present.

Absolute

1. Cannot already be protected
2. Must be a wetland
3. Cannot be developed
4. Cannot be a road
5. Cannot within 50 feet of a building

Relative

1. Is in Biodiversity Conservation Network area (BioNet 1-5)
2. Is forested
3. Connectivity for wildlife
4. Is within in a 100-year floodplain (1pt), 500 year (1/2 pt)
5. Is in a Biological Restoration Initiative (BRI) watershed
6. Is in a Chesapeake Bay Commission Critical Area
7. Is in a Green Infrastructure Hub or Corridor
8. Is in a healthy watershed, as indicated by Stronghold, spawning, cold water or Class III Trout watershed
9. Is in or within 200 feet of a Target Ecological Area (GreenPrint)
10. Is within 200 feet of but not in a stream or wetland
11. Is within 200 feet of but not in protected lands
12. Is not within a residential, commercial or industrial parcel less than a quarter acre
13. Is in commercial open space

Analysis Name: Wetland Restoration

Find those areas that were historically wetlands but are not currently wetlands. Site conditions must indicate that the area was a wetland at one time. Restore the site to a healthy wetland. This does not include wetland creation.

Absolute

1. Must be on very poorly drained, somewhat poorly drained or poorly drained soils as indicated by county SSURGO soils surveys
2. Cannot be a wetland
3. Cannot be forested
4. Cannot be developed
5. Cannot be a road or canopy over a road
6. Cannot within 50 feet of a building
7. Cannot be within a residential, commercial or industrial parcel less than a quarter acre

Relative

1. Is within a 100 year floodplain (1 pt), with 500 year (1/2 pt)
2. Is within 200 feet of a Targeted Ecological Area
3. Is in Biodiversity Conservation Network (BioNet)
4. Is in a Biological Restoration Initiative (BRI) watershed
5. Is in a Chesapeake Bay Commission Critical Area
6. Is within 200 feet of but not in protected lands
7. Is locally impaired for nitrogen, phosphorus or sedimentation
8. Is within 200 feet of but not in a stream or wetland
9. Is in or within 200 feet of a Green Infrastructure Hub or Corridor or within a GI Gap
10. Is in an undeveloped parcel with open space

Analysis Name: Riparian Preservation

Map and score areas near a stream but not in the stream that are contributing positively to stream health. Examples include area that are heavily wooded, or have other woody vegetation near the stream, which prevent erosion.

Absolute

1. Cannot already be protected
2. Cannot be Open Water
3. Must be within 300 feet of a stream or waterbody
4. Cannot be developed
5. Cannot be a road
6. Cannot be within 25 feet of a building Cannot already be in a mitigation project area

Relative

1. Is Forested
2. Is in 100 year Floodplain (1 pt), 500 year Floodplain (1/2 pt)
3. Is in Biodiversity Conservation Network (BioNet)
4. Is in a Biological Restoration Initiative (BRI) watershed
5. Is in a Chesapeake Bay Commission Critical Area
6. Is in a Green Infrastructure Hub or Corridor
7. Is in a healthy watershed as indicated by Stronghold (Spawning, Cold Water, Class III Trout)
8. Is in or within 200 feet of a Target Ecological Area
9. Is in a forest interior dwelling species area
10. Is within 200 feet of but not in Protected Lands
11. Is within 200 feet of a stream or waterbody

Analysis Name: Riparian Restoration

Restore a woody vegetated strip between streams and adjacent non-forested land cover

Absolute

1. Cannot be Open Water
2. Must be in or within 600 feet of a stream or waterbody
3. Cannot be Forested
4. Cannot be developed
5. Cannot be within 25 feet of a building

Relative

1. Is within in a 100-year floodplain (1pt), 500 year (1/2 pt)
2. Is in Biodiversity Conservation Network (BioNet)
3. Is in a Biological Restoration Initiative (BRI) watershed
4. Is in a Chesapeake Bay Commission Critical Area
5. Is in or within 200 feet of a Green Infrastructure Hub or Corridor or within a GI Gap
6. Is in a healthy watershed as indicated by Stronghold (Spawning, Cold Water, Class III Trout)
7. Is in or within 200 feet of a Target Ecological Area
8. Is within 200 feet of but not in Protected Lands
9. is within 200 feet of a stream or waterbody
10. Is locally impaired for nitrogen, phosphorus or sedimentation
11. Is within a Tier II watershed

Analysis Name: Upland Preservation

Map and score those areas where a natural habitat remains, most likely forests or meadows.

Absolute

1. Cannot already be protected
2. Cannot be a wetland
3. Cannot be developed
4. Cannot be open water
5. Cannot be within 25 feet of a building
6. Cannot be a road or canopy over a road

Relative

1. Is forested
2. Is in a Biodiversity Conservation Network
3. Is in a Biological Restoration Initiative (BRI) watershed
4. Is in a Chesapeake Bay Commission Critical Area
5. Is in a Green Infrastructure Hub or Corridor
6. Is in a healthy watershed, as indicated by Stronghold, spawning, cold water or Class III Trout watershed
7. Is in or within 200 feet of a Target Ecological Area (GreenPrint)
8. Is within 200 feet of but not in a stream or wetland
9. Is within 200 feet of but not in protected lands

Analysis Name: Upland Restoration

Map and score those areas where a natural habitat has been degraded, where plantings of native habitat will increase habitat value.

Absolute

1. Cannot be a wetland
2. Cannot be developed as indicated by Chesapeake Conservancy 1 meter land cover for developed
3. Cannot be forested
4. Cannot be in open water
5. cannot be within 25 feet of a building
6. Cannot be a road or canopy over a road

Relative

1. Is in a Biological Restoration Initiative (BRI) watershed
2. Is in a Chesapeake Bay Commission Critical Area
3. Is in or within 200 feet of a Green Infrastructure Hub or Corridor or within a GI Gap
4. Is in or within 200 feet of a Target Ecological Area (GreenPrint)
5. Is locally impaired for nitrogen, phosphorus, or sedimentation
6. is within 200 feet of but not in a stream or waterbody
7. Is within 200 feet of but not in protected lands
8. Is in Biodiversity Conservation Network (BioNet)
9. Is within a Tier II watershed

Analysis Name: Stormwater Infrastructure Preservation

Map and score those natural areas where current landscape condition supports a healthy hydrologic system (e.g., maximum groundwater recharge and/or minimal stormwater runoff).

Absolute

1. Cannot already be protected
2. Cannot be in open water
3. Cannot be developed
4. Cannot be a road or canopy over roads
5. Cannot be within 25 feet of a building

Relative

1. Is a forested area within 200 feet of a high impervious surface area
2. Is in a 100-year or 500-year flood plain
3. Is in a Blue Infrastructure watershed
4. Is in a Chesapeake Bay Critical Area
5. Is in a forested riparian buffer, with 1 point if within 200 feet of stream, 2/3 point if within 400 feet and 1/3 point if within 600 feet of stream
6. Is in a Green Infrastructure Hub or Corridor
7. Is in a Stronghold Watershed (1 point for "1"; ½ point for "2")
8. Is in a Tier II watershed
9. Is in a wetland
10. Is in an area of potential Forest Interior Dwelling Species (FIDS) habitat
11. Is in an area of relatively higher impervious surfaces
12. Is in an impaired stream watershed (as indicated by §303-d)
13. Is in an unprotected Targeted Ecologic Area from GreenPrint
14. Is in well drained soils
15. Is within 100 feet (1 point) or 500 feet (½ point) of an impaired (303-D listed) stream
16. Is within 200 feet of but not in a protected Targeted Ecologic Area from GreenPrint

Analysis Name: Stormwater Infrastructure Restoration

Map and score those areas where the natural hydrologic system is compromised, and which are probably contributing to excessive runoff and inadequate recharge.

Absolute

1. Cannot be a wetland
2. Cannot be forested
3. Cannot be in a floodplain
4. Cannot be in open water
5. Cannot be a road or canopy over a road
6. Cannot be developed
7. Cannot be within 25 feet of a building
8. Cannot be karst topography

Relative

1. Is in a Biological Restoration Initiative (BRI) watershed
2. Is in a Chesapeake Bay Critical Area
3. Is in a Stronghold Watershed (1 point for "1"; ½ point for "2")
4. Is in a Tier II watershed
5. Is in an area of impervious surfaces (10-25%)
6. Is in an impaired stream watershed (as indicated by §303-d)
7. Is in area developed without good stormwater management controls (dev prior to 1985, 1 point; dev between 1985 and 2000, 1/2 point)