

Analysis Name: MD Preserving Healthy Natural Stormwater Infrastructure

Map and score those natural areas where current ground condition supports maximum groundwater recharge and/or minimal stormwater runoff. Permanently preserve those areas.

Absolute

- 1 cannot already be protected
- 2 cannot be open water

Relative

- 1 is a forested area within 200 feet of a high impervious surface area
- 2 is forested
- 3 is in a 100-year (1 point) or 500-year (½ point) flood plain
- 4 is in a Blue Infrastructure watershed
- 5 is in a Chesapeake Bay Commission Critical Area (LDA or RCA only)
- 6 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
- 7 is in a Green Infrastructure “hub” (1 point) or “corridor” (½ point)
- 8 is in a Stronghold Watershed (1 point for “1”; ½ point for “2”)
- 9 is in a Tier II watershed
- 10 is in a wetland
- 11 is in an area of potential Forest Interior Dwelling Species (FIDS) habitat
- 12 is in an area of relatively higher impervious surfaces
- 13 is in an impaired stream watershed (as indicated by §303-d)
- 14 is in an unprotected Targeted Ecologic Area from GreenPrint
- 15 is in well drained soils
- 16 is within 100 feet (1 point) or 500 feet (½ point) of a impaired (303-D listed) stream
- 17 is within 200 feet of but not in a protected Targeted Ecologic Area from GreenPrint

Analysis Name: MD Restoring Degraded/Failing Stormwater Infrastructure Systems

Map and score those areas where the natural hydrologic system is compromised and which are probably contributing to excessive runoff and inadequate recharge. These areas present opportunities to incorporate best management practices and/or TMDL work.

Absolute

- 1 cannot be a wetland
- 2 cannot be developed as indicated by USGS: land cover is commercial, institutional, high or medium density residential, or transportation
- 3 cannot be forested
- 4 cannot be in a floodplain
- 5 cannot be open water

Relative

- 1 is in a Biological Restoration Initiative (BRI) watershed
- 2 is in a Blue Infrastructure watershed
- 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 relatively higher impervious surfaces
- 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 btwn 1985 and 2000, 1/2 point)
- 8 is within 200' (1 point) or within 600' (½ point) of a stream designated for uses II, II or IV

Analysis Name: MD Riparian Zone 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 in a stream, open water, or waterbody
- 3 must be within 600 feet of a stream or waterbody

Relative

- 1 is forested
- 2 is in a 100-year floodplain
- 3 is in a Biodiversity Conservation Network area (BioNet 1, 2, or 3 gets 1 point; BioNet 4,5 or new FIDS gets 1/2 point)
- 4 is in a Biological Restoration Initiative (BRI) watershed
- 5 is in a Blue Infrastructure watershed
- 6 is in a Chesapeake Bay Commission Critical Area (LDA or RCA only)
- 7 is in a Green Infrastructure “hub” (1 point) or “corridor” (½ point)
- 8 is in a healthy watershed, as indicated by Stronghold, spawning, cold water or Class III Trout watershed
- 9 is in a potential wetland migration zone for wetlands, marshes, as indicated by SLAMM
- 10 is in a Wetland of Special State Concern (WSSC)
- 11 is in or within 200 feet of a Target Ecological Area (GreenPrint)
- 12 is within 200 feet of but not in protected lands
- 13 nearness to stream: within 200’ (1 point), 400’ (2/3 point) or 600’ (1/3 point)

Analysis Name: MD Riparian Zone Restoration

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

Absolute

- 1 cannot be forested
- 2 cannot be in a stream, open water, or waterbody
- 3 must be within 600 feet of a stream or waterbody

Relative

- 1 is in a 100-year floodplain
- 2 is in a Biodiversity Conservation Network area (BioNet 1, 2, or 3 gets 1 point; BioNet 4,5 or new FIDS gets 1/2 point)
- 3 is in a Biological Restoration Initiative (BRI) watershed
- 4 is in a Blue Infrastructure watershed
- 5 is in a Chesapeake Bay Commission Critical Area (LDA or RCA only)
- 6 is in a Green Infrastructure "hub" (1 point) or "corridor" (½ point)
- 7 is in a potential wetland migration zone for wetlands, marshes, as indicated by SLAMM
- 8 is in or within 200 feet of a Target Ecological Area (GreenPrint)
- 9 is locally impaired for nitrogen, phosphorus, or sedimentation
- 10 is within 200 feet of but not in a Wetland of Special State Concern
- 11 is within 200 feet of but not in protected lands
- 12 nearness to stream: within 200' (1 point), 400' (2/3 point) or 600' (1/3 point)

Analysis Name: MD Uplands 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 as indicated by USGS: land cover is commercial, institutional, high or medium density residential, or transportation
- 4 cannot be open water

Relative

- 1 is forested
- 2 is in a Biodiversity Conservation Network area (BioNet 1, 2, or 3 gets 1 point; BioNet 4,5 or new FIDS gets 1/2 point)
- 3 is in a Biological Restoration Initiative (BRI) watershed
- 4 is in a Chesapeake Bay Commission Critical Area (LDA or RCA only)
- 5 is in a Green Infrastructure "hub" (1 point) or "corridor" (½ point)
- 6 is in a healthy watershed, as indicated by Stronghold, spawning, cold water or Class III Trout watershed
- 7 is in a potential wetland migration zone for wetlands, marshes, as indicated by SLAMM
- 8 is in a Wetland of Special State Concern (WSSC)
- 9 is within 200 feet of but not in a protected Targeted Ecologic Area from 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

Analysis Name: MD Uplands 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 USGS: land cover is commercial, institutional, high or medium density residential, or transportation
- 3 cannot be forested

Relative

- 1 is in a Biological Restoration Initiative (BRI) watershed
- 2 is in a Blue Infrastructure watershed
- 3 is in a Chesapeake Bay Commission Critical Area (LDA or RCA only)
- 4 is in a Green Infrastructure “hub” (1 point) or “corridor” (½ point)
- 5 is in a potential wetland migration zone for wetlands, marshes, as indicated by SLAMM
- 6 is in or within 200 feet of a Target Ecological Area (GreenPrint)
- 7 is locally impaired for nitrogen, phosphorus, or sedimentation
- 8 is within 200 feet of but not in a stream or waterbody
- 9 is within 200 feet of but not in a Wetland of Special State Concern
- 10 is within 200 feet of but not in protected lands

Analysis Name: MD 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

Relative

- 1 is forested
- 2 is in a 100-year floodplain
- 3 is in a Biodiversity Conservation Network area (BioNet 1, 2, or 3 gets 1 point; BioNet 4,5 or new FIDS gets 1/2 point)
- 4 is in a Biological Restoration Initiative (BRI) watershed
- 5 is in a Blue Infrastructure watershed
- 6 is in a Chesapeake Bay Commission Critical Area (LDA or RCA only)
- 7 is in a Green Infrastructure “hub” (1 point) or “corridor” (½ point)
- 8 is in a healthy watershed, as indicated by Stronghold, spawning, cold water or Class III Trout watershed
- 9 is in a potential wetland migration zone for wetlands, marshes, as indicated by SLAMM
- 10 is in a Wetland of Special State Concern (WSSC)
- 11 is in or within 200 feet of a Target Ecological Area (GreenPrint)
- 12 is within 200 feet of but not in a stream or waterbody
- 13 is within 200 feet of but not in protected lands

Analysis Name: MD 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 cannot be a wetland
- 2 cannot be developed as indicated by USGS: land cover is commercial, institutional, high or medium density residential, or transportation
- 3 cannot be forested
- 4 must be on very poorly drained, somewhat poorly drained or poorly drained soils as indicated by county SSURGO soils surveys

Relative

- 1 is in Biodiversity Conservation Network area (BioNet 4, 5 or new FIDS get ½ point (MD))
- 2 is in a 100-year floodplain
- 3 is in a Biological Restoration Initiative (BRI) watershed
- 4 is in a Blue Infrastructure watershed
- 5 is in a Chesapeake Bay Commission Critical Area (LDA or RCA only)
- 6 is in a Green Infrastructure “gap” area
- 7 is in a potential wetland migration zone for wetlands, marshes, as indicated by SLAMM
- 8 is locally impaired for nitrogen, phosphorus, or sedimentation
- 9 is within 200 feet of but not in a stream or wetland
- 10 is within 200 feet of but not in a Wetland of Special State Concern
- 11 is within 200 feet of but not in protected lands
- 12 is within 200 feet of or in a Green Infrastructure hub or corridor
- 13 is within 200 feet of or in a GreenPrint Target Ecological Area