**LakeConn\_1ha\_LAGOS\_NHD\_Xwalk.csv**

Description: Crosswalk table for linking LAGOS lake connectivity classes to NHD lakes

Location: LivinOnTheEdge/Data

Generated: LakeCat\_LAGOS\_connectivity\_crosswalk.R

Columns

lagoslakei: unique LAGOS lake ID

LakeConnec: lake connectivity class (isolated, headwater, drainage stream, drainage lake/stream)

nhdplusv2\_reachcode: attribute from NHD; used for locating waterbody

nhdplusv2\_comid: unique NHD lake ID

**LakeProtection\_byNARS.csv**

Description: output data file of protected lakes by National Aquatic Resource Survey (NARS) ecoregion

Location: LivinOnTheEdge/Data

Generated: LakeProtectionByStateEcoregion.R

Columns

Ecoregion: ecoregion abbreviation

nLakes: number of lakes >= 1 ha

ProtectedLakes\_gap12\_ctr: number of protected lakes based on lake centroids occurring in strictly protected areas

ProtectedLakes\_gap3\_ctr: number of protected lakes based on lake centroids occurring in multi-use areas

ProtectedLakes\_gap12\_Cat100: number of protected lakes based on full catchments occurring in strictly protected areas

ProtectedLakes\_gap3\_Cat100: number of protected lakes based on full catchments occurring in multi-use areas

unprotected\_lakes: number of lakes with centroids occurring in neither strictly protected nor multi-use areas

PropProtected\_gap12\_ctr: proportion of lakes protected based on lake centroids occurring in strictly protected areas

PropProtected\_gap3\_ctr: proportion of lakes protected based on lake centroids occurring in multi-use areas

PropProtected\_gap12\_Cat100: proportion of lakes protected based on full catchments occurring in strictly protected areas

PropProtected\_gap3\_Cat100: proportion of lakes protected based on full catchments occurring in multi-use areas

PropUnprotected: proportion of lakes with centroids occurring in neither strictly protected nor multi-use areas

**LakeProtection\_byNARS\_perm.csv**

Description: output data file of protected lakes by National Aquatic Resource Survey (NARS) ecoregion; same as LakeProtection\_byNARS.csv, but includes only permanent lakes.

**LakeProtection\_byState.csv**

Description: output data file of protected lakes by US state

Location: LivinOnTheEdge/Data

Generated: LakeProtectionByStateEcoregion.R

Columns

State: state name

nLakes: number of lakes >= 1 ha

Strict\_ctr: number and proportion (in parentheses) of protected lakes based on lake centroids occurring in strictly protected areas

Multi\_ctr: number and proportion (in parentheses) of protected lakes based on lake centroids occurring in multi-use areas

Strict\_Cat100: number and proportion (in parentheses) of protected lakes based on full catchments occurring in strictly protected areas

Mutli\_Cat100: number and proportion (in parentheses) of protected lakes based on full catchments occurring in multi-use areas

Unprotected: number and proportion (in parentheses) of unprotected lakes based on lake centroids occurring in neither strictly protected nor multi-use areas

**LakeProtection\_byState\_perm.csv**

Description: output data file of protected lakes by US state; same as LakeProtection\_byState.csv, but includes only permanent lakes.

**PADUS.csv**

Description: percent lake catchments and watersheds protected based on US Protected Areas Database (v 1.4) (PADUS). See dataset for details: <https://www.usgs.gov/core-science-systems/science-analytics-and-synthesis/gap/pad-us-data-manual>.

GAP status 1: managed for biodiversity – disturbance events proceed or are mimicked (strict protection)

GAP status 2: managed for biodiversity – disturbance events suppressed (strict protection)

GAP status 3: managed for multiple uses – subject to extractive (e.g. mining or logging) or OHV use

GAP status 4: no known mandate for biodiversity protection (may include easements, land trusts, etc., but no permanent legal protection)

Location: LivinOnTheEdge/Data

Generated: by Marc Weber and Ryan Hill of US EPA (LakeCat)

Columns

COMID: unique NHD lake ID

CatAreaSqKm: catchment area, square kilometers

WsAreaSqKm: watershed area, square kilometers

PctNo\_GAP\_StatusCat: percent of catchment under any protection status (GAP 1-4)

PctGAP\_Status1Cat: percent of catchment under GAP status 1 (strict protection)

PctGAP\_Status2Cat: percent of catchment under GAP status 2 (strict protection)

PctGAP\_Status3Cat: percent of catchment under GAP status 3 (multi-use)

PctGAP\_Status4Cat: percent of catchment under GAP status 4 (no permanent protection)

PctNo\_GAP\_StatusWs: percent of watershed under any protection status (GAP 1-4)

PctGAP\_Status1Ws: percent of watershed under GAP status 1 (strict protection)

PctGAP\_Status2Ws: percent of watershed under GAP status 2 (strict protection)

PctGAP\_Status3Ws: percent of watershed under GAP status 3 (multi-use)

PctGAP\_Status4Ws: percent of watershed under GAP status 4 (no permanent protection)