Riparian composition and structure (DP1.20275.001)

Measurement

Assessment of riparian vegetation composition and physical structure at lakes, rivers, and wadeable streams

Collection methodology

Riparian vegetation composition and structure is measured once annually during sampling windows designed to capture peak-greenness (at least 90% NDVI greenness) at lakes, rivers, and wadeable streams. Observations made include dominant riparian vegetation composition, physical bank and vegetation structure characteristics, and presence of human structures or revetments. Observations are made at ten riparian plots equally spaced throughout the 1 km reach at stream and river sites or around the perimeter of the lake at lake sites. Plots are 10 meters wide and 10 meters long at wadeable stream and 10 meters wide and 15 meters long at rivers and lakes, extending from the bank/shore out towards the riparian and adjacent terrestrial systems.

For information about disturbances, land management activities, and other incidents that may impact data at NEON sites, see the Site management and event reporting (DP1.10111.001) data product.

Data package contents

rip_assessment: Riparian Assessment at Aquatic Sites per transect
variables: Description and units for each column of data in data tables
readme: Data product description, issue log, and other metadata about the data product
validation: Description of data validation applied at the points of collection and ingest

Data quality

Observations made in replicate are indicated by the replicateNumber field.

Documentation

NEON Aquatic Sampling Strategy
NEON.DOC.001152vB | 931.8 KiB | PDF

AOS Protocol and Procedure: RIP – Riparian Habitat Assessment
NEON.DOC.003826vF | 1.7 MiB | PDF

NEON User Guide to Riparian Composition and Structure (NEON.DP1.20275)
NEON_riparianCompStruct_userGuide_vC | 1.2 MiB | PDF

NEON User Guide to Riparian Vegetation Percent Cover (NEON.DP1.20191)
NEON_riparianCover_userGuide_vC | 1.1 MiB | PDF

For more information on data product documentation, see:
https://data.neonscience.org/data-products/DP1.20275.001

Citation

To cite data from Riparian composition and structure (DP1.20275.001), see citation here:
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