

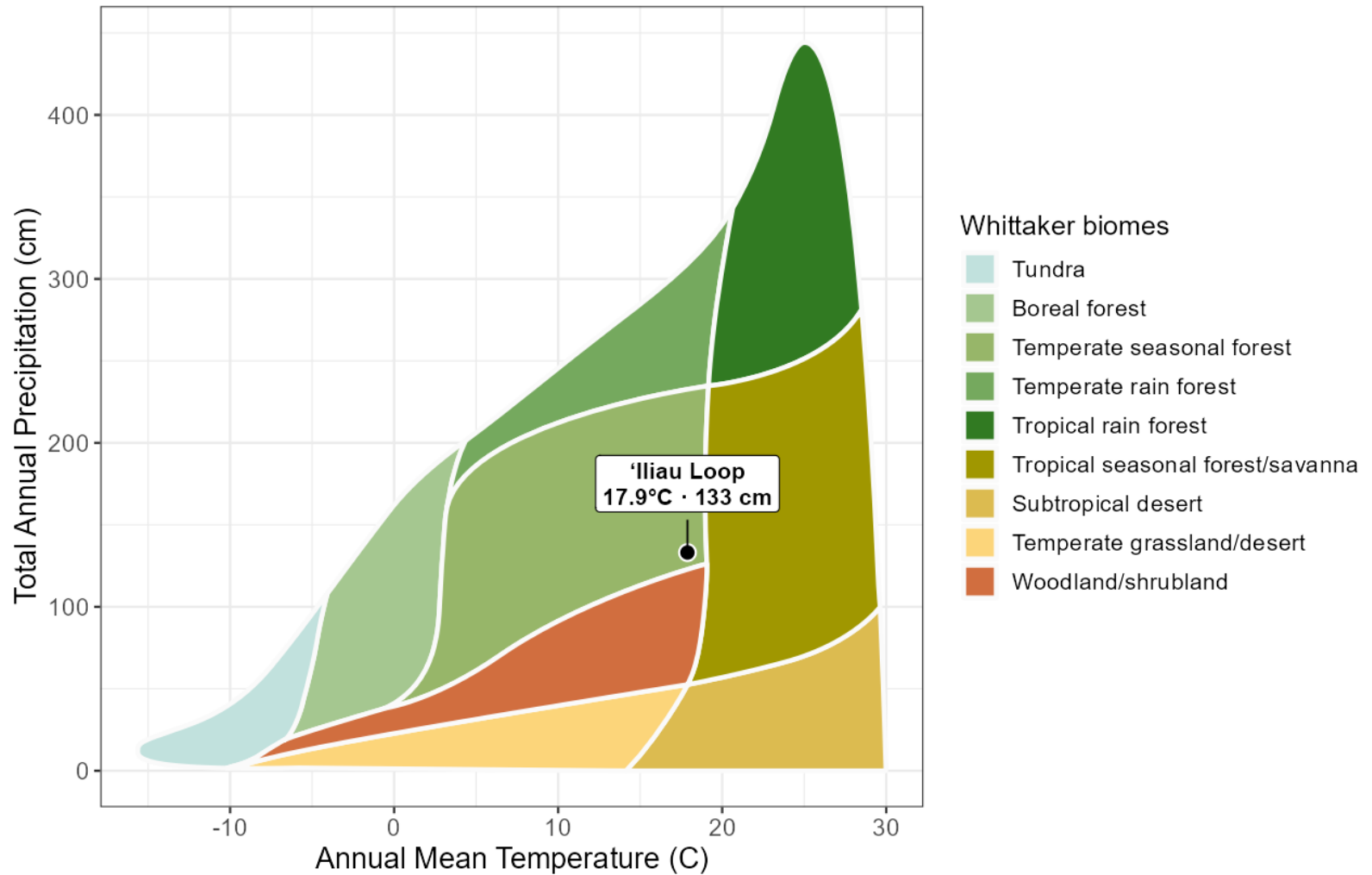
Climate & Site Factors

briefing_book · Report R7 · 'Iliau Loop Trail

Koke'e / Waimea Canyon, Kaua'i · 886 m

'Iliau Loop on the Whittaker diagram

Climate position among the world's biomes (WorldClim 2.1)



A drier, warmer canyon-rim site than Kīpuka Puaulu (17.9 °C / 1331 mm vs 16.2 / 1679). It sits on the Waimea Canyon rim, on the road that climbs from sea level to the Alaka'i rainforests — a steep gradient the 2 km window captures (78–1121 m). Same Whittaker anomaly: a Hawaiian montane site reads 'temperate' because the global scheme sees only temperature and precipitation.

Climate & terrain of the site

temperature	value	precipitation	value
annual mean	17.9 °C	annual total	1331 mm (133 cm)
warmest month	24.3 °C	wettest month	346 mm
coldest month	11.1 °C	driest month	31 mm
annual range	13.2 °C	seasonality (CV)	80 — moderate
seasonality (bio4)	195 — low		

terrain	value
rim (loop-trail centre)	886 m
elevation range, 2 km	78 – 1121 m (canyon to rim)
slope	6°
aspect	66°

Substrate/setting: a dry-to-mesic canyon rim above Waimea Canyon (leeward Kaua'i), part of the silversword-alliance 'iliau's habitat. Climate = WorldClim 2.1 (~1 km, coarse for Kaua'i's steep gradients; the Hawai'i Rainfall Atlas is finer). Elevation from AWS terrain tiles (elevatr).