

## NARROW-LEAFLET COONTIE

*Zamia integrifolia* var. *broomei* Linnaeus f.

**Synonyms:** *Zamia integrifolia* Linnaeus f.;

*Zamia pumila* L.

**Family:** Zamiaceae (zamia)

**FNAI Ranks:** G3G4TNR/S3S4

**Legal Status:** US-none; FL-none



Stems generally erect; older plants rarely multi-stemmed. Scrubby flatwoods at Jenna Unit of Big Bend Wildlife Management Area. Photo by Kelly Anderson.

**Field Description:** Perennial **subshrub**; **Petiole** unarmed; **median leaflets** linear, 5 - 8 mm wide, averaging 18 times as long as wide; **female strobili** 8 - 10 cm long; **foliage** generally erect; older plants rarely multi-stemmed.

**Similar Species:** See Related rare species section.

**Related Rare Species:** Four other varieties of Florida arrowroot (*Zamia integrifolia*) are recognized within Florida, and are mainly separated by the length and width of the leaf blades, length to width ratios of leaves, and the lengths of the female strobili.

**narrow-leaflet coontie**

*Zamia integrifolia var. broomei*

**Habitat:** Dry hammocks, mesic to xeric pinelands.

**Best Survey Season:** Spring-fall; when strobili present.

**Range-wide Distribution:** Endemic to FL: Northwest peninsular FL, primarily in the Suwannee River drainage (Alachua and San Felasco counties).

**Conservation Status:** This variety is endemic to the northern peninsula in association with the Suwannee River. Threatened by forestry operations and fire exclusion.

**Protection and Management:** Apply prescribe fire at the appropriate fire return interval for flatwoods (2 - 4 years) and sandhill (1 -3 years) community types and avoid forestry operations in hardwood hammocks. Control invasive species, avoid ground disturbance, and protect from collection. The root has been harvested locally throughout its range and is still exploited as the result of poaching from the wild.

**References:** Weakley, A. S. and the Southeastern Flora Team 2024.



Female strobili 8 - 10 cm long. Mesic flatwoods at Lafayette Forest Wildlife Management Area. Photo by Kelly Anderson.

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*Zamia integrifolia* var. *broomei*



Median leaflets linear, about 18 times as long as wide, and 5 - 8 mm wide. Restoration sandhill at Lafayette Forest Wildlife Management Area. Photo by Kelly Anderson.



Growing in mesic flatwoods at Lafayette Forest Wildlife and Environmental Management Area. Photo by Kelly Anderson.