

# *Hibiscus diversifolius* subsp. *rivularis* (Bremek. & Oberm.) Exell

## Family:

**Malvaceae**

Exell, A.W. (1961) *Flora Zambesiaca* 1(2): 444.

## Common name:

Hibiscus, Swamp; Swamp Hibiscus

## Stem

Flowers and fruits as a shrub 2-4 m tall.

## Leaves

Leaf blades about 3-10 x 2.5-11 cm, scabrous on both the upper and lower surfaces. Stellate hairs visible on both the upper and lower surfaces. Petioles and twigs clothed with white or pale tortuous and stellate hairs as well as short broad-based spines. Five veins radiate from the base of the leaf blade. Twig bark strong and fibrous when stripped.

## Flowers

Pediceal about 2-5 mm long. Epicalyx segments 7-10, each about 8-15 x 0.5-1 mm. Calyx campanulate, 10-15 mm long, outer surface clothed in stellate hairs and long bristle-like hairs with swollen bases. Petals about 4-5 x 2.5-4 cm. Corolla purplish black towards the centre. Staminal column about 1.5-3 cm long, anther filaments about 1.5 mm long. Ovary clothed in appressed straight white hairs. Stigmas five, resembling pom-poms.

## Fruit

Capsules about 1.5-2 x 1.5 cm, densely clothed with appressed broad-based, yellow bristles and stellate hairs. Calyx and epicalyx persistent at the base of the fruit. Seeds about 3-3.5 mm diam. Embryo boomerang-shaped.

## Seedlings

Cotyledons about 14-16 x 13-15 mm, petiole 5-10 mm long. Cotyledons, petioles and stem hairy. First pair of true leaves cordate, margin toothed and sometimes slightly lobed. At the tenth leaf stage: leaf blade +/- cordate, margin with a few large indistinct lobes and numerous teeth, both the upper and lower surfaces of the leaf blade clothed in simple and stellate hairs, a small raised gland is visible on the midrib on the underside of the leaf blade towards the base of the leaf. Stipules linear, about 1-3 mm long. Stem bark very fibrous when stripped. Seed germination time 11 to 353 days.

## Distribution and Ecology

Occurs in NEQ, this subspecies is thought to be introduced from Africa. Altitudinal range in NEQ from 600-800 m. Usually grows on the edges of crater lakes or in permanently wet situations on the edge of rain forest. Also occurs in Africa. *Hibiscus diversifolius* subsp. *diversifolius* (with yellow flowers) occurs in CEQ region and southwards but is not known to occur in or adjacent to rainforest habitats.

## Synonyms

*Hibiscus rivularis* Bremek. & Oberm., *Annals of the Transvaal Museum* 16(3): 424 (1935).

## RFK Code

3261



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Flower. CC-BY R.L. Jago



Fruit. CC-BY R.L. Jago



Fruit. CC-BY R.L. Jago



Scale bar 10mm. © CSIRO



10th leaf stage. © CSIRO



Cotyledon stage, epigeal germination. © CSIRO

