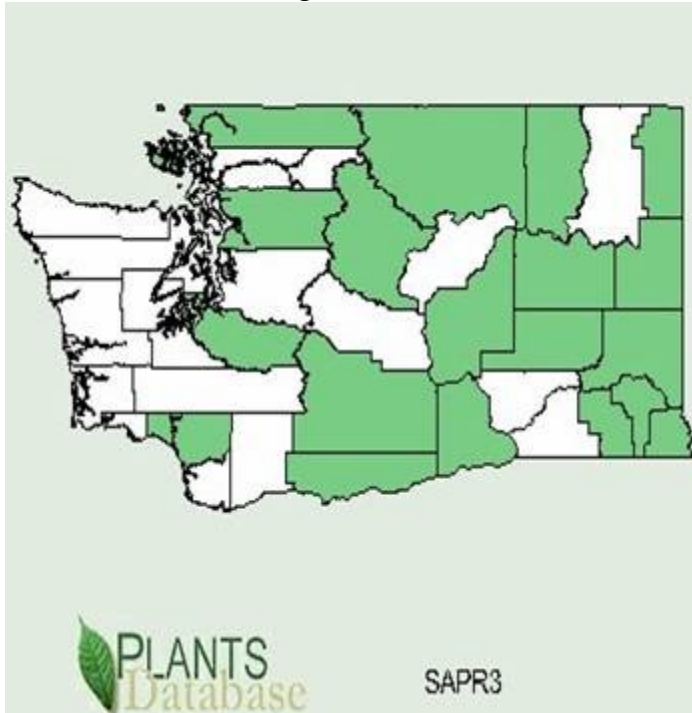


Species (common name, Latin name)

MacKenzie's willow - *Salix Prolixa*

Range

West from Washington to Montana, South to California and North to Alaska.

**Climate, elevation**

Low to moderate elevations. (from 0 - 7000ft in California)

Local occurrence (where, how common)

Along stream in lowlands to lower mountain valleys.

Habitat preferences

Rocky streams and river edges to moist alluvial terraces. Fine textured soils with moderate to high amounts of water.

Plant strategy type/successional stage (stress-tolerator, competitor, weedy/colonizer, seral, late successional)

Early pioneer, often replaces coyote willow (*Salix exigua*).

Associated species

Widely scattered overstory of black cottonwood (*Populus trichocarpa*), or water birch (*Betula occidentalis*). Coyote, Drummon and whiplash willows are also common (*S. exigua*, *drummondiana*, and *lasiandra*). Also redosier dogwood (*cornus stolonifera*), ood's Rose (*Rosa woodsii*) and inland gooseberry (*Ribes setosum*).

May be collected as: (seed, layered, divisions, etc.)

May be propagated as seeds or by cuttings.

Collection restrictions or guidelines

Seed should be collected as soon as fruit ripens. Hardwood cuttings can be propagated easily without the use of rooting hormone.

Seed germination (needs dormancy breaking?)

Seeds do not exhibit any sort of dormancy. Should be planted immediately for best germination rates, or refrigerated in a sealed container for up to a month.

Propagation recommendations (plant seeds, vegetative parts, cuttings, etc.)

Seeds should be used to grow container plants. Cuttings may be planted directly at site or grown in greenhouse. Willow should be established in capillary zone with barriers to prevent rodent or beaver activity.

Soil or medium requirements (inoculum necessary?)

The plant is adapted to a wide variety of soils from coarse textured soils to silt loams.

Installation form (form, potential for successful outcomes, cost)

Most successful when greenhouse grown (80% cutting success), especially for seeds. Seeds should be immediately planted for highest germination rates.

Recommended planting density**Care requirements after installed (water weekly, water once etc.)****Normal rate of growth or spread; lifespan**

Shrub grows from 6 to 30 feet tall. Relatively long lived.

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Compiled by Jack Hebert 5-7-06