Species Datasheet

Datasheet No. G-011.006.005
(family.genus.species)

1.Taxon:

Species: *Cupressus guadalupensis* S. Watson
Subspecies:
Variety:
Cultivar:
Hybrid:

Image file

2. Synonyms:*Callitropsis guadalupensis* (S.Watson) D.P.Little, *Cupressus guadalupensis* var. *guadalupensis, C. macrocarpa* var. *guadalupensis*(S.Watson) Mast., *Hesperocyparis guadalupensis* (S.Watson) Bartel, *Neocupressus guadalupensis* (S.Watson) de Laub.

3. Systematic Position:

Christenhusz *et al.* (2011)

- Class: Equisetopsida C. Agardh
- Subclass: Pinidae Cronquist
- Order: Cupressales Link
- Family:Cupressaceae Gray
- Genus: *Cupressus* L.
- Species: *Cupressus guadalupensis* S. Watson

Bentham and Hooker (1862)
Kingdom: Plantae
Division: Phanerogamia
Class: Gymnospermeae
Ordo: Coniferae
Tribus: Cupressineae
Genus: *Cupressus* L.
Species: *Cupressus guadalupensis* S. Watson

4.Distribution:

Global: Native to Mexico (Baja California, Guadalupe I.), United States (California)

India:

5.Indigenous/Exotic/Endemic;Cultivated/Wild:

6.Threat Status:

IUCN: Endangered

BSI:

7.Habit and Habitat: Evergreen tree (10-20 m tall), along intermittent streams on loamy, sandy, gravelly or rocky soils over sandstone or granite in full sun, the climate is of the Mediterranean type with dry, hot summers and winter rain; with frequent fog on Guadalupe Island.

8.Life Form: Phanerophytes

9.Economic Importance: No uses are known of this species

10. Probable Progenitor of:

11.DNA

C-value	**Methodology**
2C (pg): 23.67 [9]	Feulgen microdensitometry[9]

12.Basic chromosome number(s):x=11[9]

13. Zygotic chromosome number(s):2n=22[9]

14. Gametic chromosome number(s):n=

15.Specialized chromosomes (B chromosomes/Sex chromosomes/Polytene chromosomes/Neocentric chromosomes):

Image file

16.Ploidy level: Diploid [9]

Image file

17.Agametoploidy:

18.Nature of polyploidy (auto, segmental, allo, autoallo):

19.Genomic formula:

20.Aberrant chromosome number(s)(aneuploidy, aneusomaty, polysomaty):

21.Somatic chromosomes:

Karyotype

Chromosome size

NOR chromosome(s)

Degree of asymmetry

Image file

22. Banding pattern(s):

Image file

23.Physical mapping of chromosomes:

In situ hybridization

Image file

Fluorescent in situ hybridization:

Image file

24.Genomic in situ hybridization:

Image file

25. Linkage map:

Image file

26.Chromosome associations:

Female meiosis

Male meiosis

Image file

27.Chromosome distribution at anaphase I:

28. Genetic diversity:

Chromosomal level

Image file

DNA level

29.Any other information (Apomixis; Inversion; Male sterility;Pollen grain mitosis; Pollen stainability;Translocationsetc.):