

*Cactaceae (Cactus Family)*

**Phenology:** flowering late-April to mid-July but can flower as late as November. Mass-flowering of a population 2 to 3 days after the first warm-weather rain.

**Management Responsibility:** Tohono O'odham Nation, BLM (Tucson Field Office), AZ State Land Dept, private.

**Notes:** flowers open approximately 10 a.m. to 5 p.m. for one day; two days, if cool and overcast.

**References:** AGFD, 1994b. Anderson and Van Devender, 1991. Benson, 1982. Kearney and Peebles, 1960. Schmalzel and Francisco, (in prep). Van Devender, 1990.



Robert Belsey

*Echinocactus zonthalonius* var. *nicholii*

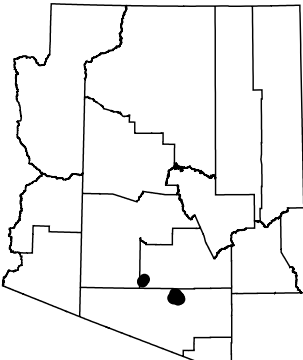


Brooks/TNC

**Habitat:**  
Sonoran  
desertscrub  
with limestone  
derived alluvium,  
2,000-3,600 ft  
(610-1098 m)  
elevation.



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**Range:** Waterman Mountains and  
Vekol Mountains; also found in  
Sierra El Viejo, Sonora, Mexico.