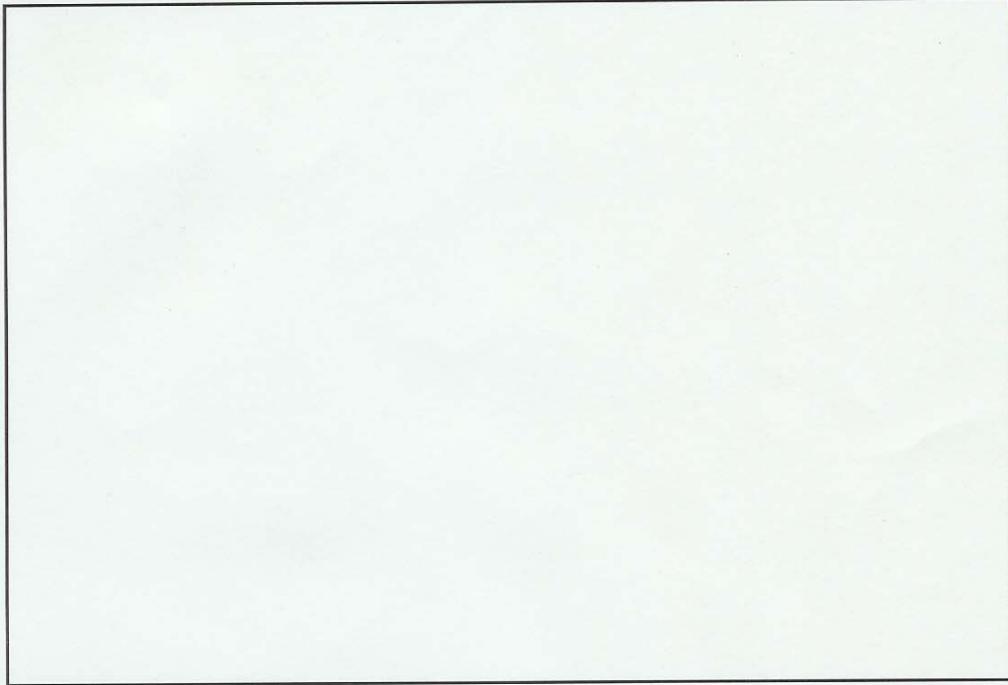


# *Heliotropium ciliatum*

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**Family:** Boraginaceae



**Collection Number:** 73

**Description:** Erect, herbaceous perennial shrub, growing to about 40 cm in height. It is multi-stemmed and the stems are hairy. Leaves are simple, elliptical and margins entire. The inflorescence is a spike of small white flowers. The petals are fused, forming a long tube, and the flower stem characteristically bends backwards at the tip. Fruit is a small round capsule.

**Habitat:** *Heliotropium ciliatum* is widely distributed over the reserve. It grows in coarse sand and may be found on plains, particularly in disturbed ground such as along roadsides and around homesteads. It also grows along dry riverbeds.



**WOLWEDANS HERBARIUM (NRNR)**

**NAME:** *Heliotropium ciliatum*

**Collection No:** 73

**Date:** 30/04/01

**Collector:** Louise Clapham

**Grid ref.:** 2515 Bb

**Locality:** Wolwedans farm, along the perimeter fence of the homestead.

**Habitat:** Open ground, roadsides, by dry riverbeds, disturbed ground.

**Plant features:** An annual herb, upright with simple, elliptical leaves. Inflorescence a spike of tiny white flowers, each fused into a tube. Spike bends backwards in a characteristic curl.

INBRI - Collection Data Form

Collector No. 73 Date 30.04.2001  
 Collector Louise Clapham GPS S  
 Locality (please describe properly, not just grid/gps) Wolwedans E  
farmhouse, perimeter fence. Grid 2515 Bb  
 Altitude                       
 Aspect Slope level Exposure full sun Photo no's                       
 Voucher for                     

DESCRIPTION OF PLANT Please give as much information as possible

Species Heliotropium Perennial/Annual                     

Habit (eg: dwarf shrub) small shrub, herbaceous.

Height ± 40 cm Occurrence (eg: common) Common

Flower/Inflorescence (colour, shape, size, smell, texture) Inflorescence a spike of  
tiny white flowers, petals fused forming a tube.

Leaves (simple/compound, margin, shape, colour, texture, stipules) Simple, elliptical,  
margins entire

Stems and bark (colour, texture, habit - eg: erect stem with yellow peeling papery bark - presence or  
 absence and smell of sap or latex - eg: milky latex with unpleasant smell) Erect shrub,  
Main stem branching repeatedly.

Fruits and seed (presence/absence, shape, colour, edibility and taste if edible, single or clustered,  
 maturity) A small, round capsule.

Roots/Underground organs (shape, texture, colour, size)                     

Other (eg: uses, ecology)                     

Indigenous names and languages

Habitat		Substrate	Soil type	Moisture	Biotic effect
cliff face	riverbank/ streambank	soil ✓	sand ✓		road/railside
mountain/hill peak	seepage area	stony/rocky soil	sandy loam	well-drained ✓	cultivated land
mountain/hill slope	waterfall/ rapids	gravel	loam	seasonally waterlogged	abandoned land
cavine/kloof/ gorge	littoral	termite mound	humus- rich	permanently waterlogged	heavily grazed
talus/scree	unknown	bare rock	loamy clay	moist/damp	garden ✓
dune slope		water	clay	freestanding water	plantation
dune crest	Vegetation	roots	calcrete	running water	recently burnt
interdunal street	desert	other	black turf	mist/fog	disturbed ✓ - other
ridge	shrubland open/closed		salt/brack		other
rocky outcrop	woodland open/closed		gravel ✓		
plain ✓	thornbush savanna		dolomite		
plateau	forest		granite		
valley	grassland ✓		lime		
longa/ditch/gulley	karoo		mica schist		
depression/ pan			quartzite		
tarn			other		
dry bed of river/stream					
foodplain					
estuary/lagoon					
marsh/swamp/ wetland					
river/stream					

FOR HERBARIUM USE ONLY

By ..... date ..... Accession .....

flowering code	fruiting code	voucher	duplicates
mature		genebank	
immature		ethnobotanic	
remains			
absent			