

### Species attributes

Scientific name:	<i>Diuris sp. (Oaklands, D.L. Jones 5380)</i>
NSW status:	Endangered
Commonwealth status:	N/A
Management stream:	Site-managed



Photographer: Matt Cameron

### Overall project status\*



Populations at all sites are on target.



Populations at one or more sites were not monitored this year, but threat management is on target.  
Populations at remaining sites are on target.



Populations at one or more sites were not monitored this year, but threat management is not on target.  
Populations at remaining sites are on target.



Populations at one or more sites are not on target.

\* For SoS priority management sites (may not include all locations where the species occurs in NSW)

### Project summary

Priority management sites:	Oaklands; Urana East; Urana West
Action implementation:	5 of 7 actions were implemented as planned for the financial year (includes species population monitoring actions + other project actions fully or partially implemented)
Total expenditure:	\$1,600 (\$0 cash; \$1,600 in-kind)
Project partners:	Murray Local Land Services; Office of Environment and Heritage; Royal Botanic Garden Melbourne

## Management site 1: Urana West

LGA: Urana

Project partners: Murray Local Land Services; Office of Environment and Heritage

Estimated species population size: 80

### Population status

<b>On target</b>	On target (inferred)	Not on target (inferred)	Not on target	Baseline
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Long term target	Annual target	Index	Monitoring result	Confidence in monitoring	Conducted by
Maintain a stable or increasing population with high emergence rates each year.	A rolling average over 10 years does not show a decline.	Species abundance	Population is stable at approximately 80 individuals.	Moderate	Murray LLS

### Investment

Project participant	Cash	In-kind
Murray Local Land Services	\$0	\$350

### Management actions

*The project actions below (including research and survey actions) are those identified as being required in 2015-16 to secure the species in the wild.*

Threat	Management action	Implemented as planned?
Grazing by domestic stock may limit reproduction in this species and damage habitat.	Strategic grazing by sheep. Maintain 2km stock fence. There is an existing agreement with landholder.	Yes
The species is susceptible to extinction via stochastic processes due to its small known population size.	Re-introduce ex-situ material (e.g. seed) or material collected from other extant populations into existing site/s. Continue maintenance of the population until it is viable and able to persist for long periods without intensive management. Seed has been collected from sites 1 and 3 and plants are being grown. Additional seed collecting is needed. Commence translocation trials.	No (Logistical delays)

## Threat status

*This table includes critical threats that were monitored at this site, this financial year.*

Threat	Annual target	Threat status	Confidence in monitoring
Grazing by domestic stock may limit reproduction in this species and damage habitat.	Ensure that stock grazing does not negatively affect the orchid population.	On target	High

## Site summary

Site on track. Good regeneration of grassland flora through strategic management.

# Management site 2: Urana East

LGA: Urana  
Project partners: Murray Local Land Services; Office of Environment and Heritage  
Estimated species population size: 50

## Population status

On target

On target  
(inferred)

Not on target  
(inferred)

Not on target

Baseline

Long term target	Annual target	Index	Monitoring result	Confidence in monitoring	Conducted by
Increase the population to a sustainable size with high emergence rates each year.	A rolling average over 10 years does not show a decline.	Species abundance	Population is stable at approximately 50 individuals, with emergence at about 90%.	High	Murray LLS

## Investment

Project participant	Cash	In-kind
Office of Environment and Heritage	\$0	\$350

## Site summary

Population still small. Additional site required.

## Management site 3: Oaklands

LGA: Urana

Project partners: Murray Local Land Services; Office of Environment and Heritage; Royal Botanic Garden Melbourne

Estimated species population size: 800

### Population status

<b>On target</b>	On target (inferred)	Not on target (inferred)	Not on target	Baseline
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Long term target	Annual target	Index	Monitoring result	Confidence in monitoring	Conducted by
Maintain a stable, self-sustaining population with high emergence rates each year.	A rolling average over 10 years does not show a decline.	Species abundance	Population is stable at approximately 800 individuals, with emergence rate approximately 70%.	High	Murray LLS

### Investment

Project participant	Cash	In-kind
Office of Environment and Heritage	\$0	\$900

### Management actions

*The project actions below (including research and survey actions) are those identified as being required in 2015-16 to secure the species in the wild.*

Threat	Management action	Implemented as planned?
The species is susceptible to extinction via stochastic processes due to its small known population size.	Collect seed for storage and propagation, trial reintroduction of propagated plants (including installation of water supply).	No (fungal and seed samples were not collected in 2015/16 (for the Environmental Trust funded project) because the contract with Royal Botanic Gardens Melbourne was not initiated until late in the piece.)

### Site summary

Largest known site for the Oaklands *Diuris*. Includes translocated individuals.