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**Results of survey for *Thelymitra epipactoides*
in the Upper South East of South Australia,
5 - 9th September 2009**

**Dr Richard Davies
Consultant Botanist
1999**

**Consultant's report prepared for
South East Region of
Department for Environment & Heritage, South Australia**

Summary

Surveys for nine of the ten priority *Thelymitra epipactoides* locations were undertaken from 5th to 9th September 2009. A GPS was used to locate all previously known populations at these sites and to record the exact location of every individual located.

One hundred and forty three flowering and 25 vegetative individuals of *T. epipactoides* were recorded. The survey also located a further 14 vegetative *Thelymitra* individuals (or individuals in early bud) that may be *T. epipactoides* but were unusual in form or in a too early developmental stage to enable definitive identification. The number of individuals at each site is summarised in Table 1 along with observed and potential threats to each population and a record of time spent searching each specific location. Coordinates for each individual plant are presented in Table 2 along with 1) life stage, 2) height, 3) leaf length and width, 4) condition (whether leaves or inflorescences were partially eaten or diseased), 5) numbers of buds, flowers and fruits, 6) present and potential threats, and 7) whether a DNA sample was taken, for each individual. Every plant was digitally photographed (see DVD provided separately to this report) and each photograph was labelled with the unique “RD plant number” listed in Table 2. Table 3 lists previously known locations which were searched but where *T. epipactoides* was not relocated.

Similar data was provided for *Caladenia colorata* populations on the Lutze HA and Gordon Private Property.

Management recommendations and priorities for each site

Priority 1: Protection of Meningie Town Parkland population

Of the highest priority is the protection and management of the population in the Meningie Town Parkland since it contains half (71) of the 143 flowering plants recorded. This population contained the healthiest plants and the plants with the largest numbers of flowers, some of which were observed to be developing into fruit indicating successful pollination. This population is under threat since it occurs in an area used by the Meningie Motorcycle Club between the 5m wide tracks used for “dirt bike” racing. While the population occurs in relatively intact native vegetation and the bikes are largely confined to the formed tracks, there is evidence of motor bikes being occasionally ridden through the vegetation containing the orchid. Also a couple of mounds of soil were observed to have been dumped in the vegetation increasing the chance of weed spread. It is therefore of the highest priority that DEH commence negotiations with the Coorong Council and the Motorcycle Club to protect this population. Ideally the track should be re-routed way from the area containing the orchid. If this is not possible the areas containing the orchid needs to be fenced off. Given the close proximity to Meningie it is advisable not to signpost the population since the population is potentially threatened by orchid collectors or trampling by the general public. Thus, only key people should be informed as to the whereabouts of this population, and these people need to be instructed to keep the information confidential.

While the native vegetation containing the population is largely weed-free, several highly invasive weed species were observed in close proximity and need to be removed before they spread. Several trees of Aleppo pine (**Pinus halepensis*) need to be removed from immediately adjacent to the population, along with gazania (**Gazania* sp.), perennial veldt grass (**Erharta calycina*) and bridal creeper (**Asparagus asparagoides*) on adjacent road verges and in adjacent bushland.

While there is presently little evidence of grazing of *T. epipactoides* by rabbits and kangaroos at this site, this should continue to be monitored. Any rabbit warrens in the vicinity need to be destroyed.

Priority 2: Management of Potters Scrub (Coorong National Park) populations

Potters Scrub (Coorong National Park) contains the second largest population (32 plants) of *T. epipactoides* found during the current survey, mostly concentrated in one area (see plants with PS13

prefix in Table 2). While the majority of these plants have been caged against rabbits, many of these cages have wire mesh that finishes at ground level and which will not prevent rabbits from digging under the fence. It is therefore recommended that these cages be upgraded so that all have aprons of overlapping mesh which project 30 cm out from each cage along the ground and which are pinned down with 40cm pegs.

Also, the majority of these cages were found to contain the serious environmental weed perennial veldt grass (**Erharta calycina*). While this was removed from all cages by hand pulling at the time of the survey, perennial veldt grass is widespread around this main population and will competitively exclude *T. epipactoides* in the longer term if left uncontrolled. These infestations are still relatively sparse and therefore removal by hand pulling is still practical. This need to be urgently undertaken before this grass becomes widespread and dense, and thus more difficult to control. Priority should be given to its eradication in the vicinity of the main *T. epipactoides* population and around other populations in the park. While bridal creeper rust is widespread in the park, this does not kill this weed but slows down its spread and reduces its vigour. Thus, the control of this serious weed (by digging where it occurs in very close vicinity to *T. epipactoides* plants or by spot spraying elsewhere) is also a high priority near populations.

Priority 3: Spread of bridal creeper rust

While bridal creeper (**Asparagus asparagoides*) in the vicinity of *T. epipactoides* in Potters Scrub (Coorong National Park) and to a lesser extent the Meningie Town Parklands are infected with the biological control agent bridal creeper rust, there was no evidence of rust on the bridal creeper in the vicinity of other populations. Given the ability of bridal creeper to totally outcompete *T. epipactoides*, it is a priority that the rust be introduced onto bridal creeper adjacent to *T. epipactoides* populations on the Mollet and Gordon Private Properties, and in the Sawyer Heritage Agreement Area and Tilley Swamp Conservation Park.

Priority 4: Management of population on Mollet Private Property & in Reedy Well Water Reserve

The Mollet Private Property and adjacent Reedy Well Water Reserve (managed by Coorong Council) contain the third largest population of *T. epipactoides* (19 plants) found during this survey. While the Mollets are actively removing bridal creeper from their land, they are a retired couple with limited resources and therefore require assistance with its total eradication from the block. Also a longer term serious threat to the population is perennial veldt grass which is dense in places, localised occurrences of rabbits (e.g., warren at **COORDINATE REMOVED-CONTACT AUTHOR FOR FURTHER INFO**) and high kangaroo numbers. It is therefore recommended that assistance be provided to eradicate bridal creeper and rabbits from the block, and to remove perennial veldt grass in the general vicinity of *T. epipactoides* plants. Due to the sandy soil this can be best achieved by hand pulling and digging up plants. The caging of some *T. epipactoides* plants may be required in the longer term if rabbit control fails to reduce grazing damage. The culling of some kangaroos should also be considered.

Priority 5: Management of Tilley Swamp Conservation Park populations

The *T. epipactoides* population at Tilley Swamp Conservation Park was the fourth largest found during the survey but was being severely affected by large populations of rabbits which are living in old wombat warrens in the park. The majority of the cages previously constructed to protect *T. epipactoides* plants were found to be without the species and a number had fallen over or were no longer rabbit-proof. The majority of surviving plants had been grazed, with only two individuals having flowers on them. It is recommended that urgent rabbit eradication be undertaken in the general vicinity of *T. epipactoides* plants. In particular, active warrens in the vicinity of populations (e.g., at **COORDINATE REMOVED-CONTACT AUTHOR FOR FURTHER INFO**) which are being only occupied by rabbits and not by wombats (i.e., no wombat scats) need to be ripped and gassed.

The enclosure and the majority of cages set up in this park were found to be inadequate to exclude rabbits. It is therefore recommended that all cages around remaining plants be strengthened with three or four star droppers. These cages and the enclosure need to be upgraded so that all have aprons of overlapping mesh which project 30cm out from each cage along the ground and which are pinned down with 40cm heavy duty tent pegs. The cages also need to be enclosed at the top.

Priority 6: Management of populations on Gordon Private Property and Sawyer Heritage Agreement Area

A number of *T. epipactoides* plants on both these blocks had been significantly damaged by selective grazing by rabbits and/or kangaroos. It is therefore recommended that a program of both caging plants and eradicating rabbits be undertaken. The culling of some kangaroos should also be considered. The eradication of perennial veldt grass and bridal creeper around populations is also a priority. Of concern is the long term decline in *T. epipactoides* numbers on the Sawyer Heritage Agreement Area. A survey by the author in 1986 found 22 flowering plants (Davies, 1992) compared with 7 in 2009.

The DEH database records the *T. epipactoides* populations at sites one and two as occurring in the Lutze (Zellerfield) Heritage Agreement, but these are actually located on the Gordon Private Property and this needs to be corrected.

References

Davies, R (1992). Threatened Plant Species of the Murray Mallee, Mt Lofty Ranges and Kangaroo Island Regions of South Australia. Conservation Council of South Australia Inc, Adelaide. (159 pp)

TABLE 1: SUMMARY OF FINDINGS OF SEPTEMBER 2009 SURVEY BY RICK DAVIES

Species	Date	Site	Site #	Search time (mins)*	# flowering	# vegetative**	Threats***
<i>Thelymitra epipactoides</i>	5/09/2009	Gordon Private Property, Coonalpyn	2	20	3	0	k/r
<i>Thelymitra epipactoides</i>	5/09/2009	Gordon Private Property, Coonalpyn	1	20	0	1?	k/r
<i>Thelymitra epipactoides</i>	5/09/2009	Gordon Private Property, Coonalpyn	5	60	5	0	k/r, v
<i>Thelymitra epipactoides</i>	5/09/2009	Gordon Private Property, Coonalpyn	3	30	4	0	k/r, v
<i>Thelymitra epipactoides</i>	6/09/2009	Sawyer HA, Coonalpyn	7	120	7	7?	k, r, v, b
<i>Thelymitra epipactoides</i>	6/09/2009	Reedy Well WR, Culburra		20	6	0	k, r, v, b
<i>Thelymitra epipactoides</i>	6/09/2009	Mollet Private Property, Culburra		100	19	0	k, r, v, b
<i>Thelymitra epipactoides</i>	6/09/2009	Tintinara Scrub, Tintinara	45	30	0	3?	k, r, v, b
<i>Thelymitra epipactoides</i>	7/09/2009	Tilley Swamp CP		300	3	15	r, k, b
<i>Thelymitra epipactoides</i>	8/09/2009	Potter's Scrub, Coorong NP		255	25	7 (+3?)	v, b, (k, r)
<i>Thelymitra epipactoides</i>	8/09/2009	Meningie Town Parkland, Meningie		150	71	3	m, c, s, b, v, g, a, (k, r)
<i>Thelymitra epipactoides</i>	9/09/2009	Messent CP	41	20	0	0	
<i>Caladenia colorata</i>	5/09/2009	Lutze HA, Coonalpyn	1	20	0	3	k/r, b, v
<i>Caladenia colorata</i>	5/09/2009	Lutze HA, Coonalpyn	2	5	0	0	k/r, b, v
<i>Caladenia colorata</i>	5-6/09/2009	Gordon Private Property, Coonalpyn	13	60	17+	?	k/r, v

* Excluding driving & walking between populations

**Only leaves or very immature flowers present

*** Threats (shown in order decreasing impact): k=kangaroos; r=rabbits; b=bridal creeper; v=perennial veldt grass; g=gazania; a=aleppo pine; m=motor bikes; c=collectors; s=soil dumping;

TABLE 2: DETAILS OF POPULATIONS OBSERVED BY RICK DAVIES DURING SEPTEMBER 2009 SURVEY

Species	Date	Location	DEH plant/site #	RD plant #	Easting	Northing	Life stage	# B	#F	#S	Height (cm)	Leaf length (cm)	Leaf width (cm)	Condition	Photos?	Threats	Comments
<i>T. epipactoides</i>	5/09/2009	Gordon Private Property	Site 2	RD1-1	C.O.*	C.O.*	F		8		40			E	Y	K, R	DNA sample TESE12
<i>T. epipactoides</i>	5/09/2009	Gordon Private Property	Site 3	RD1-2	C.O.*	C.O.*	B/F		8		40			E	Y	K, R	DNA sample TESE10
<i>T. epipactoides</i>	5/09/2009	Gordon Private Property	Site 4	RD1-3	C.O.*	C.O.*	B/F		0		15			E	Y	K, R	DNA sample TESE13
<i>T. epipactoides</i>	5/09/2009	Gordon Private Property	Site 1	RD10	C.O.*	C.O.*	LO				20			N	Y		ID doubtful
<i>T. epipactoides</i>	5/09/2009	Gordon Private Property	Site 5	RD2	C.O.*	C.O.*	B/F		0		20			E	Y	K, R, V	DNA sample TESE17
<i>T. epipactoides</i>	5/09/2009	Gordon Private Property	Site 5	RD3	C.O.*	C.O.*	B/F		2		25			E	Y	K, R, V	
<i>T. epipactoides</i>	5/09/2009	Gordon Private Property	Site 5	RD4	C.O.*	C.O.*	B/F		6		20			N	Y	K, R, V	
<i>T. epipactoides</i>	5/09/2009	Gordon Private Property	Site 5	RD5	C.O.*	C.O.*	B/F		5		30			E	Y	K, R, V	
<i>T. epipactoides</i>	5/09/2009	Gordon Private Property	Site 5	RD6	C.O.*	C.O.*	B/F		7		20			N	Y	K, R, V	
<i>T. epipactoides</i>	5/09/2009	Gordon Private Property	Site 5	RD7	C.O.*	C.O.*	B/F	6			20			E	Y	K, R, V	DNA sample TESE06
<i>T. epipactoides</i>	5/09/2009	Gordon Private Property	Site 3	RD8	C.O.*	C.O.*	B/F		7		30			N	Y	K, R, V	
<i>T. epipactoides</i>	5/09/2009	Gordon Private Property	Site 3	RD9_1	C.O.*	C.O.*	B/F		0		10			E	Y	K, R, V	
<i>T. epipactoides</i>	5/09/2009	Gordon Private Property	Site 3	RD9_2	C.O.*	C.O.*	B/F		0		25			E	Y	K, R, V	
<i>T. epipactoides</i>	5/09/2009	Gordon Private Property	Site 3	RD9_3	C.O.*	C.O.*	B/F		4		27			N	Y	K, R, V	
<i>T. epipactoides</i>	6/09/2009	Sawyer HA	Site 7	RD11	C.O.*	C.O.*	B/F		5		20			E	Y	K, R, V,B	DNA sample TESE19
<i>T. epipactoides</i>	6/09/2009	Sawyer HA, Coonalpyn	Site 7	RD12	C.O.*	C.O.*	B/F		10		40			N	Y	K, R, V,B	DNA sample TESE01
<i>T. epipactoides</i>	6/09/2009	Sawyer HA, Coonalpyn	Site 7	RD13_1	C.O.*	C.O.*	B/F		7		35			N	Y	K, R, V,B	DNA sample TESE05
<i>T. epipactoides</i>	6/09/2009	Sawyer HA, Coonalpyn	Site 7	RD13_2	C.O.*	C.O.*	LO							N	Y	K, R, V,B	ID uncertain
<i>T. epipactoides</i>	6/09/2009	Sawyer HA, Coonalpyn	Site 7	RD13_3	C.O.*	C.O.*	LO							N	Y	K, R, V,B	ID uncertain
<i>T. epipactoides</i>	6/09/2009	Sawyer HA, Coonalpyn	Site 7	RD13_4	C.O.*	C.O.*	LO							N	Y	K, R, V,B	ID uncertain
<i>T. epipactoides</i>	6/09/2009	Sawyer HA, Coonalpyn	Site 7	RD13_5	C.O.*	C.O.*	LO							N	Y	K, R, V,B	ID uncertain

Species	Date	Location	DEH plant/site #	RD plant #	Easting	Northing	Life stage	# B	#F	#S	Height (cm)	Leaf length (cm)	Leaf width (cm)	Condition	Photos?	Threats	Comments
<i>T. epipactoides</i>	6/09/2009	Sawyer HA, Coonalpyn	Site 7	RD13_6	C.O.*	C.O.*	LO							N	Y	K, R, V,B	ID uncertain
<i>T. epipactoides</i>	6/09/2009	Sawyer HA, Coonalpyn	Site 7	RD13_7	C.O.*	C.O.*	LO							N	Y	K, R, V,B	ID uncertain
<i>T. epipactoides</i>	6/09/2009	Sawyer HA, Coonalpyn	Site 7	RD13_8	C.O.*	C.O.*	LO							N	Y	K, R, V,B	ID uncertain
<i>T. epipactoides</i>	6/09/2009	Sawyer HA, Coonalpyn	Site 7	RD14_1	C.O.*	C.O.*	B/F		8		30			E	Y	K, R, V,B	
<i>T. epipactoides</i>	6/09/2009	Sawyer HA, Coonalpyn	Site 7	RD14_2	C.O.*	C.O.*	B/F		4		15			E	Y	K, R, V,B	
<i>T. epipactoides</i>	6/09/2009	Sawyer HA, Coonalpyn	Site 7	RD14_3	C.O.*	C.O.*	B/F		0		20			D, E	Y	K, R, V,B	
<i>T. epipactoides</i>	6/09/2009	Sawyer HA, Coonalpyn	Site 7	RD15	C.O.*	C.O.*	B/F		4		25			E	Y	K, R, V,B	DNA sample TESE02
<i>T. epipactoides</i>	6/09/2009	Reedy Well WR, Culburra		RD16	C.O.*	C.O.*	B/F		11		35			N	Y	K, R, V,B	DNA sample TESE20
<i>T. epipactoides</i>	6/09/2009	Reedy Well WR, Culburra		RD17	C.O.*	C.O.*	B/F		4	1	35			N	Y	K, R, V,B	
<i>T. epipactoides</i>	6/09/2009	Reedy Well WR, Culburra		RD18	C.O.*	C.O.*	B/F		0		18			E	Y	K, R, V,B	
<i>T. epipactoides</i>	6/09/2009	Reedy Well WR, Culburra		RD19_1	C.O.*	C.O.*	B/F		12		18			D, E	Y	K, R, V,B	
<i>T. epipactoides</i>	6/09/2009	Reedy Well WR, Culburra		RD19_2	C.O.*	C.O.*	B/F		14		35			E	Y	K, R, V,B	
<i>T. epipactoides</i>	6/09/2009	Mollet Private Property, Culburra		RD20	C.O.*	C.O.*	B/F		1		30			E	Y	K, R, V,B	DNA sample TESE09
<i>T. epipactoides</i>	6/09/2009	Mollet Private Property, Culburra		RD21	C.O.*	C.O.*	B/F		5		25			N	Y	K, R, V,B	DNA sample TESE15
<i>T. epipactoides</i>	6/09/2009	Mollet Private Property, Culburra		RD22	C.O.*	C.O.*	B/F		6		25			E	Y	K, R, V,B	
<i>T. epipactoides</i>	6/09/2009	Mollet Private Property, Culburra		RD23_1	C.O.*	C.O.*	B/F		11		28			N	Y	K, R, V,B	
<i>T. epipactoides</i>	6/09/2009	Mollet Private Property, Culburra		RD23_2	C.O.*	C.O.*	B/F		5	1	27			N	Y	K, R, V,B	
<i>T. epipactoides</i>	6/09/2009	Mollet Private Property, Culburra		RD24	C.O.*	C.O.*	B/F		6		25			N	Y	K, R, V,B	

Species	Date	Location	DEH plant/site #	RD plant #	Easting	Northing	Life stage	# B	#F	#S	Height (cm)	Leaf length (cm)	Leaf width (cm)	Condition	Photos?	Threats	Comments
<i>T. epipactoides</i>	6/09/2009	Mollet Private Property, Culburra		RD25_1	C.O.*	C.O.*	B/F		4		23			N	Y	K, R, V,B	
<i>T. epipactoides</i>	6/09/2009	Mollet Private Property, Culburra		RD25_2	C.O.*	C.O.*	B/F		1		18			E	Y	K, R, V,B	
<i>T. epipactoides</i>	6/09/2009	Mollet Private Property, Culburra		RD26	C.O.*	C.O.*	B/F		3		15			E	Y	K, R, V,B	
<i>T. epipactoides</i>	6/09/2009	Mollet Private Property, Culburra		RD27	C.O.*	C.O.*	B/F		2		10			E	Y	K, R, V,B	
<i>T. epipactoides</i>	6/09/2009	Mollet Private Property, Culburra		RD28	C.O.*	C.O.*	B/F		5		27			N	Y	K, R, V,B	
<i>T. epipactoides</i>	6/09/2009	Mollet Private Property, Culburra		RD29_1	C.O.*	C.O.*	B/F		4		20			N	Y	K, R, V,B	
<i>T. epipactoides</i>	6/09/2009	Mollet Private Property, Culburra		RD29_2	C.O.*	C.O.*	B/F		5		30			I	Y	K, R, V,B	
<i>T. epipactoides</i>	6/09/2009	Mollet Private Property, Culburra		RD30_1	C.O.*	C.O.*	B/F		7		40			E	Y	K, R, V,B	
<i>T. epipactoides</i>	6/09/2009	Mollet Private Property, Culburra		RD30_2	C.O.*	C.O.*	B/F		6		35			E	Y	K, R, V,B	
<i>T. epipactoides</i>	6/09/2009	Mollet Private Property, Culburra		RD30_3	C.O.*	C.O.*	B/F		6		28			E	Y	K, R, V,B	
<i>T. epipactoides</i>	6/09/2009	Mollet Private Property, Culburra		RD31_1	C.O.*	C.O.*	B/F		3		15			N	Y	K, R, V,B	
<i>T. epipactoides</i>	6/09/2009	Mollet Private Property, Culburra		RD31_2	C.O.*	C.O.*	B/F		4		15			N	Y	K, R, V,B	
<i>T. epipactoides</i>	6/09/2009	Mollet Private Property, Culburra		RD31_3	C.O.*	C.O.*	B/F		2		15			N	Y	K, R, V,B	
<i>T. epipactoides</i>	6/09/2009	Mollet Private Property, Culburra		RD32	C.O.*	C.O.*	B/F		7		28			E	Y	K, R, V,B	DNA sample TESE16

Species	Date	Location	DEH plant/site #	RD plant #	Easting	Northing	Life stage	# B	#F	#S	Height (cm)	Leaf length (cm)	Leaf width (cm)	Condition	Photos?	Threats	Comments
<i>T. epipactoides</i>	6/09/2009	Mollet Private Property, Culburra		RD33	C.O.*	C.O.*	B/F		8		35			E	Y	K, R, V,B	
<i>T. epipactoides</i>	6/09/2009	Tintinara Scrub, Tintinara		RD34_1	C.O.*	C.O.*	LO				8			E	Y	R, V,B	ID uncertain
<i>T. epipactoides</i>	6/09/2009	Tintinara Scrub, Tintinara		RD34_2	C.O.*	C.O.*	LO				8			E	Y	R, V,B	ID uncertain
<i>T. epipactoides</i>	6/09/2009	Tintinara Scrub, Tintinara		RD34_3	C.O.*	C.O.*	LO				6			E	Y	R, V,B	ID uncertain
<i>T. epipactoides</i>	7/09/2009	Tilley Swamp CP	288	T288	C.O.*	C.O.*	B/F				8	8	0.5	E	Y	K, R, B	In enclosure; ID uncertain
<i>T. epipactoides</i>	7/09/2009	Tilley Swamp CP	288	T288	C.O.*	C.O.*	LO				12	12	0.8	E	Y	K, R, B	In enclosure; ID uncertain
<i>T. epipactoides</i>	7/09/2009	Tilley Swamp CP	288	T288	C.O.*	C.O.*	LO				20	20	0.8	E	Y	K, R, B	In enclosure; ID uncertain
<i>T. epipactoides</i>	7/09/2009	Tilley Swamp CP	185	T185	C.O.*	C.O.*	LO				30	30	0.4	N	Y	K, R, B	In enclosure; ID uncertain
<i>T. epipactoides</i>	7/09/2009	Tilley Swamp CP		T300_1	C.O.*	C.O.*	LO				18	18	1	E	Y	K, R, B	In enclosure; ID uncertain
<i>T. epipactoides</i>	7/09/2009	Tilley Swamp CP		T300_2	C.O.*	C.O.*	LO				18	18	1	E	Y	K, R, B	In enclosure; ID uncertain
<i>T. epipactoides</i>	7/09/2009	Tilley Swamp CP		T300_3	C.O.*	C.O.*	LO				18	18	1	E	Y	K, R, B	In enclosure; ID uncertain
<i>T. epipactoides</i>	7/09/2009	Tilley Swamp CP		T301	C.O.*	C.O.*	LO				22	22	0.5	N	Y	K, R, B	In enclosure; ID uncertain
<i>T. epipactoides</i>	7/09/2009	Tilley Swamp CP	262	T262	C.O.*	C.O.*	LO				11	11	0.4	N	Y	K, R, B	In cage; ID uncertain
<i>T. epipactoides</i>	7/09/2009	Tilley Swamp CP	285-7	T285_1	C.O.*	C.O.*	B/F		1		28	12	10	E	Y	K, R, B	In cage
<i>T. epipactoides</i>	7/09/2009	Tilley Swamp CP	285-7	T285_2	C.O.*	C.O.*	B/F				22	20	10	E	Y	K, R, B	In cage
<i>T. epipactoides</i>	7/09/2009	Tilley Swamp CP	285-7	T285_3	C.O.*	C.O.*	LO				15	15	12	E	Y	K, R, B	In cage
<i>T. epipactoides</i>	7/09/2009	Tilley Swamp CP	285-7	T285_4	C.O.*	C.O.*	B	1			12	12	8	E	Y	K, R, B	In cage; ID uncertain
<i>T. epipactoides</i>	7/09/2009	Tilley Swamp CP	285-7	T285_5	C.O.*	C.O.*	B	1			12	12	8	E	Y	K, R, B	In cage; ID uncertain
<i>T. epipactoides</i>	7/09/2009	Tilley Swamp CP	285-7	T285_6	C.O.*	C.O.*	B	1			12	12	8	E	Y	K, R, B	In cage; ID uncertain
<i>T. epipactoides</i>	7/09/2009	Tilley Swamp CP	285-7	T285_7	C.O.*	C.O.*	B	1			12	12	8	E	Y	K, R, B	In cage; ID uncertain
<i>T. epipactoides</i>	7/09/2009	Tilley Swamp CP	285-7	T285_8	C.O.*	C.O.*	B	1			12	12	8	E	Y	K, R, B	In cage; ID uncertain
<i>T. epipactoides</i>	7/09/2009	Tilley Swamp CP	nn	T302	C.O.*	C.O.*	B/F		8		30	25	12	I	Y	K, R, B	In cage

Species	Date	Location	DEH plant/site #	RD plant #	Easting	Northing	Life stage	# B	#F	#S	Height (cm)	Leaf length (cm)	Leaf width (cm)	Condition	Photos?	Threats	Comments
<i>T. epipactoides</i>	8/09/2009	Potter's Scrub (Coorong NP)		PS1RD	C.O.*	C.O.*	B	0			18	18	1	E	Y	K, R, V,B	ID doubtful
<i>T. epipactoides</i>	8/09/2009	Potter's Scrub (Coorong NP)		PS1RD	C.O.*	C.O.*	B	0			10	8	1	E	Y	K, R, V,B	ID doubtful
<i>T. epipactoides</i>	8/09/2009	Potter's Scrub (Coorong NP)		PS1RD	C.O.*	C.O.*	B	0			10	9	0.8	E	Y	K, R, V,B	ID doubtful
<i>T. epipactoides</i>	8/09/2009	Potter's Scrub (Coorong NP)		PS14_1RD	C.O.*	C.O.*	B/F		4		25	12	0.8	I	Y	K, R, V,B	DNA sample TESE04
<i>T. epipactoides</i>	8/09/2009	Potter's Scrub (Coorong NP)		PS14_1RD	C.O.*	C.O.*	LO				16	16	0.4	I		K, R, V,B	
<i>T. epipactoides</i>	8/09/2009	Potter's Scrub (Coorong NP)		PS14_1RD	C.O.*	C.O.*	LO				17	17	0.4	N		K, R, V,B	
<i>T. epipactoides</i>	8/09/2009	Potter's Scrub (Coorong NP)		PS10RD	C.O.*	C.O.*	B/F		8		35	22	0.8	N	Y	K, R, V,B	DNA sample TESE14
<i>T. epipactoides</i>	8/09/2009	Potter's Scrub (Coorong NP)		PS13_1RD	C.O.*	C.O.*	LO				20	20	0.8	I	Y	K, R, V,B	Caged
<i>T. epipactoides</i>	8/09/2009	Potter's Scrub (Coorong NP)		PS13_4RD	C.O.*	C.O.*	B/F		8		20	15	0.7	N	Y	K, R, V,B	Caged; DNA sample TESE08
<i>T. epipactoides</i>	8/09/2009	Potter's Scrub (Coorong NP)		PS13_6RD	C.O.*	C.O.*	B/F		14		35	15	1	N	Y	K, R, V,B	Caged
<i>T. epipactoides</i>	8/09/2009	Potter's Scrub (Coorong NP)		PS13_8RD_1	C.O.*	C.O.*	B/F		6		25	25	1	N	Y	K, R, V,B	Caged
<i>T. epipactoides</i>	8/09/2009	Potter's Scrub (Coorong NP)		PS13_8RD_2	C.O.*	C.O.*	B/F		1		20	20	0.7	N	Y	K, R, V,B	Caged
<i>T. epipactoides</i>	8/09/2009	Potter's Scrub (Coorong NP)		PS13_8RD_3	C.O.*	C.O.*	LO				30	30	0.6	N	Y	K, R, V,B	Caged
<i>T. epipactoides</i>	8/09/2009	Potter's Scrub (Coorong NP)		PS13_8RD_4	C.O.*	C.O.*	LO				30	30	0.6	N	Y	K, R, V,B	Caged
<i>T. epipactoides</i>	8/09/2009	Potter's Scrub (Coorong NP)		PS13_8RD_5	C.O.*	C.O.*	LO				30	30	0.6	N	Y	K, R, V,B	Caged
<i>T. epipactoides</i>	8/09/2009	Potter's Scrub (Coorong NP)		PS13_9RD_1	C.O.*	C.O.*	B/F		8		20	20	0.8	I	Y	K, R, V,B	Caged
<i>T. epipactoides</i>	8/09/2009	Potter's Scrub (Coorong NP)		PS13_9RD_2	C.O.*	C.O.*	B/F		5		18	18	0.5	N	Y	K, R, V,B	Caged
<i>T. epipactoides</i>	8/09/2009	Potter's Scrub (Coorong NP)		PS13_9RD_3	C.O.*	C.O.*	B/F		10		35	20	0.8	E	Y	K, R, V,B	Caged; DNA sample TESE03
<i>T. epipactoides</i>	8/09/2009	Potter's Scrub (Coorong NP)		PS13_9RD_4	C.O.*	C.O.*	B/F		8		32	25	1.3	N	Y	K, R, V,B	Caged
<i>T. epipactoides</i>	8/09/2009	Potter's Scrub (Coorong NP)		PS13_9RD_5	C.O.*	C.O.*	B/F		5		28	20	1	E	Y	K, R, V,B	Caged
<i>T. epipactoides</i>	8/09/2009	Potter's Scrub (Coorong NP)		PS13_9RD_6	C.O.*	C.O.*	B/F	5			30	20	0.8	E	Y	K, R, V,B	Caged
<i>T. epipactoides</i>	8/09/2009	Potter's Scrub (Coorong NP)		PS13_10RD	C.O.*	C.O.*	LO				25	25		I	Y	K, R, V,B	Caged

Species	Date	Location	DEH plant/site #	RD plant #	Easting	Northing	Life stage	# B	#F	#S	Height (cm)	Leaf length (cm)	Leaf width (cm)	Condition	Photos?	Threats	Comments
<i>T. epipactoides</i>	8/09/2009	Potter's Scrub (Coorong NP)		PS13_11RD_1	C.O.*	C.O.*	B/F		8		20	20	0.7	N	Y	K, R, V,B	Caged
<i>T. epipactoides</i>	8/09/2009	Potter's Scrub (Coorong NP)		PS13_11RD_2	C.O.*	C.O.*	B/F		8		20	20	0.7	N	Y	K, R, V,B	Caged
<i>T. epipactoides</i>	8/09/2009	Potter's Scrub (Coorong NP)		PS13_11RD_3	C.O.*	C.O.*	B/F		8		25	20	0.7	N	Y	K, R, V,B	Caged
<i>T. epipactoides</i>	8/09/2009	Potter's Scrub (Coorong NP)		PS13_11RD_4	C.O.*	C.O.*	B/F		12		35	25	0.7	N	Y	K, R, V,B	Caged
<i>T. epipactoides</i>	8/09/2009	Potter's Scrub (Coorong NP)		PS13_12RD_1	C.O.*	C.O.*	B/F		7		35	20	0.8	N	Y	K, R, V,B	Caged
<i>T. epipactoides</i>	8/09/2009	Potter's Scrub (Coorong NP)		PS13_12RD_2	C.O.*	C.O.*	B/F		7		28	20	0.8	N	Y	K, R, V,B	Caged
<i>T. epipactoides</i>	8/09/2009	Potter's Scrub (Coorong NP)		PS13_12RD_3	C.O.*	C.O.*	B/F		4		20	15	1.5	N	Y	K, R, V,B	Caged
<i>T. epipactoides</i>	8/09/2009	Potter's Scrub (Coorong NP)		PS13_13RD	C.O.*	C.O.*	B/F		17		50	40	1.8	N	Y	K, R, V,B	Caged
<i>T. epipactoides</i>	8/09/2009	Potter's Scrub (Coorong NP)		PS13_14RD	C.O.*	C.O.*	B/F		9		40	20	1.8	N	Y	K, R, V,B	Caged
<i>T. epipactoides</i>	8/09/2009	Potter's Scrub (Coorong NP)		PS13_16RD_1	C.O.*	C.O.*	B/F		7		25	20	1	N	Y	K, R, V,B	Caged
<i>T. epipactoides</i>	8/09/2009	Potter's Scrub (Coorong NP)		PS13_16RD_2	C.O.*	C.O.*	B/F		8		25	12	0.8	E	Y	K, R, V,B	Caged
<i>T. epipactoides</i>	8/09/2009	Potter's Scrub (Coorong NP)		PS13_17RD	C.O.*	C.O.*	B/F		17		40	25	1.8	N	Y	K, R, V,B	Caged
<i>T. epipactoides</i>	8/09/2009	Potter's Scrub (Coorong NP)		PS13_18RD	C.O.*	C.O.*	B/F		6		25	20	1.0	N	Y	K, R, V,B	Caged
<i>T. epipactoides</i>	9/09/2009	Meningie Town Parkland		MTP1_1	C.O.*	C.O.*	B/F		7		35	12	1.3	E	Y	M, C, S, B,V, R, K	DNA sample TESE07
<i>T. epipactoides</i>	9/09/2009	Meningie Town Parkland		MTP1_2	C.O.*	C.O.*	B/F		8		35	25	1	E	Y	M, C, S, B,V, R, K	
<i>T. epipactoides</i>	9/09/2009	Meningie Town Parkland		MTP1_3	C.O.*	C.O.*	B/F		7		35	25	0.9	E	Y	M, C, S, B,V, R, K	
<i>T. epipactoides</i>	9/09/2009	Meningie Town Parkland		MTP1_4	C.O.*	C.O.*	B/F		6		35	25	0.8	E	Y	M, C, S, B,V, R, K	
<i>T. epipactoides</i>	9/09/2009	Meningie Town Parkland		MTP1_5	C.O.*	C.O.*	B/F		10		35	25	1.4	E	Y	M, C, S, B,V, R, K	
<i>T. epipactoides</i>	9/09/2009	Meningie Town Parkland		MTP1_6	C.O.*	C.O.*	B/F		7		32	20	1.3	E	Y	M, C, S, B,V, R, K	
<i>T. epipactoides</i>	9/09/2009	Meningie Town Parkland		MTP1_7	C.O.*	C.O.*	B/F		7		30	12	1.3	E	Y	M, C, S, B,V, R, K	
<i>T. epipactoides</i>	9/09/2009	Meningie Town Parkland		MTP1_8	C.O.*	C.O.*	B/F		6		28	10	0.8	E	Y	M, C, S, B,V, R, K	

Species	Date	Location	DEH plant/site #	RD plant #	Easting	Northing	Life stage	# B	#F	#S	Height (cm)	Leaf length (cm)	Leaf width (cm)	Condition	Photos?	Threats	Comments
<i>T. epipactoides</i>	9/09/2009	Meningie Town Parkland		MTP2_1	C.O.*	C.O.*	B/F		7		25	20	0.7	N	Y	M, C, S, B,V, G, A, R, K	DNA sample TESE11
<i>T. epipactoides</i>	9/09/2009	Meningie Town Parkland		MTP2_2	C.O.*	C.O.*	B/F		3	2	28	18	0.9	I	Y	M, C, S, B,V, G, A, R, K	
<i>T. epipactoides</i>	9/09/2009	Meningie Town Parkland		MTP2_3	C.O.*	C.O.*	B/F		7		40	25	1	E	Y	M, C, S, B,V, G, A, R, K	
<i>T. epipactoides</i>	9/09/2009	Meningie Town Parkland		MTP2_3	C.O.*	C.O.*	B/F		6		40	10	1	E	Y	M, C, S, B,V, G, A, R, K	
<i>T. epipactoides</i>	9/09/2009	Meningie Town Parkland		MTP2_3	C.O.*	C.O.*	LO				28	28	0.5	E	Y	M, C, S, B,V, G, A, R, K	
<i>T. epipactoides</i>	9/09/2009	Meningie Town Parkland		MTP2_3	C.O.*	C.O.*	LO				28	28	0.5	E	Y	M, C, S, B,V, G, A, R, K	
<i>T. epipactoides</i>	9/09/2009	Meningie Town Parkland		MTP2_4	C.O.*	C.O.*	B/F		10		28	20	1	E	Y	M, C, S, B,V, G, A, R, K	
<i>T. epipactoides</i>	9/09/2009	Meningie Town Parkland		MTP2_4	C.O.*	C.O.*	LO				20	20	0.4	N	Y	M, C, S, B,V, G, A, R, K	
<i>T. epipactoides</i>	9/09/2009	Meningie Town Parkland		MTP2_5	C.O.*	C.O.*	B/F		10		40	35	1.4	N	Y	M, C, S, B,V, G, A, R, K	
<i>T. epipactoides</i>	9/09/2009	Meningie Town Parkland		MTP2_5	C.O.*	C.O.*	B/F		5		30	35	1.4	N	Y	M, C, S, B,V, G, A, R, K	
<i>T. epipactoides</i>	9/09/2009	Meningie Town Parkland		MTP2_5	C.O.*	C.O.*	B/F		6		35	30	1.4	N	Y	M, C, S, B,V, G, A, R, K	
<i>T. epipactoides</i>	9/09/2009	Meningie Town Parkland		MTP2_6	C.O.*	C.O.*	B/F		14		45	25	2	N	Y	M, C, S, B,V, G, A, R, K	
<i>T. epipactoides</i>	9/09/2009	Meningie Town Parkland		MTP2_7	C.O.*	C.O.*	B/F		7		38	30	0.8	I	Y	M, C, S, B,V, G, A, R, K	
<i>T. epipactoides</i>	9/09/2009	Meningie Town Parkland		MTP2_8	C.O.*	C.O.*	B/F		7		22	15	0.8	E	Y	M, C, S, B,V, G, A, R, K	
<i>T. epipactoides</i>	9/09/2009	Meningie Town Parkland		MTP2_9	C.O.*	C.O.*	B/F		13		22	14	1.1	E	Y	M, C, S, B,V, G, A, R, K	

Species	Date	Location	DEH plant/site #	RD plant #	Easting	Northing	Life stage	# B	#F	#S	Height (cm)	Leaf length (cm)	Leaf width (cm)	Condition	Photos?	Threats	Comments
<i>T. epipactoides</i>	9/09/2009	Meningie Town Parkland		MTP2_10	C.O.*	C.O.*	B/F		9	1	35	20	1.2	N	Y	M, C, S, B,V, G, A, R, K	DNA sample TESE21
<i>T. epipactoides</i>	9/09/2009	Meningie Town Parkland		MTP2_11	C.O.*	C.O.*	B/F		7		25	15	1	N	Y	M, C, S, B,V, G, A, R, K	
<i>T. epipactoides</i>	9/09/2009	Meningie Town Parkland		MTP2_12	C.O.*	C.O.*	B/F		8		25	17	1.2	N	Y	M, C, S, B,V, G, A, R, K	
<i>T. epipactoides</i>	9/09/2009	Meningie Town Parkland		MTP2_13	C.O.*	C.O.*	B/F		8	1	26	22	1.5	N	Y	M, C, S, B,V, G, A, R, K	
<i>T. epipactoides</i>	9/09/2009	Meningie Town Parkland		MTP2_13	C.O.*	C.O.*	B/F		6		23	20	1.2	N	Y	M, C, S, B,V, G, A, R, K	
<i>T. epipactoides</i>	9/09/2009	Meningie Town Parkland		MTP2_13	C.O.*	C.O.*	B/F		11	2	28	24	1.8	D	Y	M, C, S, B,V, G, A, R, K	
<i>T. epipactoides</i>	9/09/2009	Meningie Town Parkland		MTP2_13	C.O.*	C.O.*	B/F		0		20	20	1.5	E	Y	M, C, S, B,V, G, A, R, K	
<i>T. epipactoides</i>	9/09/2009	Meningie Town Parkland		MTP2_14	C.O.*	C.O.*	B/F		10	10	35	18	1.8	N	Y	M, C, S, B,V, G, A, R, K	
<i>T. epipactoides</i>	9/09/2009	Meningie Town Parkland		MTP2_15	C.O.*	C.O.*	B/F			10	40			N	Y	M, C, S, B,V, G, A, R, K	
<i>T. epipactoides</i>	9/09/2009	Meningie Town Parkland		MTP2_16	C.O.*	C.O.*	B/F		9	1	26			N	Y	M, C, S, B,V, G, A, R, K	
<i>T. epipactoides</i>	9/09/2009	Meningie Town Parkland		MTP2_16	C.O.*	C.O.*	B/F		5		20			D	Y	M, C, S, B,V, G, A, R, K	
<i>T. epipactoides</i>	9/09/2009	Meningie Town Parkland		MTP2_17	C.O.*	C.O.*	B/F		8		18			E	Y	M, C, S, B,V, G, A, R, K	
<i>T. epipactoides</i>	9/09/2009	Meningie Town Parkland		MTP2_18	C.O.*	C.O.*	B/F		11	2	37			N	Y	M, C, S, B,V, G, A, R, K	
<i>T. epipactoides</i>	9/09/2009	Meningie Town Parkland		MTP2_18	C.O.*	C.O.*	B/F		7	4	30			N	Y	M, C, S, B,V, G, A, R, K	
<i>T. epipactoides</i>	9/09/2009	Meningie Town Parkland		MTP2_19	C.O.*	C.O.*	B/F		17		27			N	Y	M, C, S, B,V, G, A, R, K	

Species	Date	Location	DEH plant/site #	RD plant #	Easting	Northing	Life stage	# B	#F	#S	Height (cm)	Leaf length (cm)	Leaf width (cm)	Condition	Photos?	Threats	Comments
<i>T. epipactoides</i>	9/09/2009	Meningie Town Parkland		MTP2_20	C.O.*	C.O.*	B/F		2		18			D	Y	M, C, S, B,V, G, A, R, K	
<i>T. epipactoides</i>	9/09/2009	Meningie Town Parkland		MTP2_20	C.O.*	C.O.*	B/F		9		24			D	Y	M, C, S, B,V, G, A, R, K	
<i>T. epipactoides</i>	9/09/2009	Meningie Town Parkland		MTP2_20	C.O.*	C.O.*	B/F		9		32			N	Y	M, C, S, B,V, G, A, R, K	
<i>T. epipactoides</i>	9/09/2009	Meningie Town Parkland		MTP2_21	C.O.*	C.O.*	B/F		20		36			N	Y	M, C, S, B,V, G, A, R, K	
<i>T. epipactoides</i>	9/09/2009	Meningie Town Parkland		MTP2_22	C.O.*	C.O.*	B/F		4	1	20			N	Y	M, C, S, B,V, G, A, R, K	
<i>T. epipactoides</i>	9/09/2009	Meningie Town Parkland		MTP2_22	C.O.*	C.O.*	B/F		8		25			N	Y	M, C, S, B,V, G, A, R, K	
<i>T. epipactoides</i>	9/09/2009	Meningie Town Parkland		MTP2_23	C.O.*	C.O.*	B/F		12		36			N	Y	M, C, S, B,V, G, A, R, K	
<i>T. epipactoides</i>	9/09/2009	Meningie Town Parkland		MTP2_24	C.O.*	C.O.*	B/F		10		35			E	Y	M, C, S, B,V, G, A, R, K	
<i>T. epipactoides</i>	9/09/2009	Meningie Town Parkland		MTP2_25	C.O.*	C.O.*	B/F		7	1	20			N	Y	M, C, S, B,V, G, A, R, K	
<i>T. epipactoides</i>	9/09/2009	Meningie Town Parkland		MTP2_26	C.O.*	C.O.*	B/F		1	12	35			E	Y	M, C, S, B,V, G, A, R, K	
<i>T. epipactoides</i>	9/09/2009	Meningie Town Parkland		MTP2_27	C.O.*	C.O.*	B/F		7	5	26			I	Y	M, C, S, B,V, G, A, R, K	
<i>T. epipactoides</i>	9/09/2009	Meningie Town Parkland		MTP2_27	C.O.*	C.O.*	B/F			14	23			D	Y	M, C, S, B,V, G, A, R, K	
<i>T. epipactoides</i>	9/09/2009	Meningie Town Parkland		MTP2_28	C.O.*	C.O.*	B/F		10		37			E	Y	M, C, S, B,V, G, A, R, K	
<i>T. epipactoides</i>	9/09/2009	Meningie Town Parkland		MTP2_29	C.O.*	C.O.*	B/F		8		30			E	Y	M, C, S, B,V, G, A, R, K	
<i>T. epipactoides</i>	9/09/2009	Meningie Town Parkland		MTP2_29	C.O.*	C.O.*	B/F		14	2	33			N	Y	M, C, S, B,V, G, A, R, K	

Species	Date	Location	DEH plant/site #	RD plant #	Easting	Northing	Life stage	# B	#F	#S	Height (cm)	Leaf length (cm)	Leaf width (cm)	Condition	Photos?	Threats	Comments
<i>T. epipactoides</i>	9/09/2009	Meningie Town Parkland		MTP2_30	C.O.*	C.O.*	B/F		6		35			N	Y	M, C, S, B,V, G, A, R, K	
<i>T. epipactoides</i>	9/09/2009	Meningie Town Parkland		MTP2_31	C.O.*	C.O.*	B/F		3	4	22			N	Y	M, C, S, B,V, G, A, R, K	
<i>T. epipactoides</i>	9/09/2009	Meningie Town Parkland		MTP2_32	C.O.*	C.O.*	B/F		11		30			N	Y	M, C, S, B,V, G, A, R, K	
<i>T. epipactoides</i>	9/09/2009	Meningie Town Parkland		MTP2_32	C.O.*	C.O.*	B/F		12		27			E	Y	M, C, S, B,V, G, A, R, K	
<i>T. epipactoides</i>	9/09/2009	Meningie Town Parkland		MTP2_33	C.O.*	C.O.*	B/F		9		20			D	Y	M, C, S, B,V, G, A, R, K	
<i>T. epipactoides</i>	9/09/2009	Meningie Town Parkland		MTP2_33	C.O.*	C.O.*	B/F									M, C, S, B,V, G, A, R, K	
<i>T. epipactoides</i>	9/09/2009	Meningie Town Parkland		MTP2_33	C.O.*	C.O.*	B/F									M, C, S, B,V, G, A, R, K	
<i>T. epipactoides</i>	9/09/2009	Meningie Town Parkland		MTP2_33	C.O.*	C.O.*	B/F									M, C, S, B,V, G, A, R, K	
<i>T. epipactoides</i>	9/09/2009	Meningie Town Parkland		MTP2_33	C.O.*	C.O.*	B/F									M, C, S, B,V, G, A, R, K	
<i>T. epipactoides</i>	9/09/2009	Meningie Town Parkland		MTP2_33	C.O.*	C.O.*	B/F									M, C, S, B,V, G, A, R, K	
<i>T. epipactoides</i>	9/09/2009	Meningie Town Parkland		MTP2_33	C.O.*	C.O.*	B/F									M, C, S, B,V, G, A, R, K	
<i>T. epipactoides</i>	9/09/2009	Meningie Town Parkland		MTP2_33	C.O.*	C.O.*	B/F									M, C, S, B,V, G, A, R, K	
<i>T. epipactoides</i>	9/09/2009	Meningie Town Parkland		MTP2_33	C.O.*	C.O.*	B/F									M, C, S, B,V, G, A, R, K	
<i>T. epipactoides</i>	9/09/2009	Meningie Town Parkland		MTP2_33	C.O.*	C.O.*	B/F									M, C, S, B,V, G, A, R, K	
<i>T. epipactoides</i>	9/09/2009	Meningie Town Parkland		MTP2_33	C.O.*	C.O.*	B/F									M, C, S, B,V, G, A, R, K	

Species	Date	Location	DEH plant/site #	RD plant #	Easting	Northing	Life stage	# B	#F	#S	Height (cm)	Leaf length (cm)	Leaf width (cm)	Condition	Photos?	Threats	Comments
<i>T. epipactoides</i>	9/09/2009	Meningie Town Parkland		MTP2_33	C.O.*	C.O.*	B/F									M, C, S, B,V, G, A, R, K	
<i>T. epipactoides</i>	9/09/2009	Meningie Town Parkland		MTP2_33	C.O.*	C.O.*	B/F									M, C, S, B,V, G, A, R, K	
<i>T. epipactoides</i>	9/09/2009	Meningie Town Parkland		MTP2_33	C.O.*	C.O.*	B/F									M, C, S, B,V, G, A, R, K	
<i>T. epipactoides</i>	9/09/2009	Meningie Town Parkland		MTP2_33	C.O.*	C.O.*	B/F									M, C, S, B,V, G, A, R, K	
<i>T. epipactoides</i>	9/09/2009	Meningie Town Parkland		MTP2_33	C.O.*	C.O.*	B/F									M, C, S, B,V, G, A, R, K	
<i>T. epipactoides</i>	9/09/2009	Meningie Town Parkland		MTP2_34	C.O.*	C.O.*	B/F								Y	M, C, S, B,V, G, A, R, K	DNA sample TESE22

Coordinates all Zone 54 MGA

Leaf/flower condition: E=eaten; I=eaten by insects; D=diseased; N=Not eaten/diseased

Life stage: LO=Leaf only; B=Early bud; Fl=latebud/flower; Fr=Swollen fruit

Threats (shown in order decreasing impact): k=kangaroos; r=rabbits; b=bridal creeper; v=perennial veldt grass; g=gazania; a=aleppo pine; m=motor bikes; c=collectors; s=soil dumping;

***C.O. = COORDINATE OMITTED TO PROTECT POPULATIONS - DETAILS FOR BONA FIDE RESEARCHERS & MANAGERS AVAILABLE FROM AUTHOR ON APPLICATION**

TABLE 3: LOCATIONS WHERE SPECIES PREVIOUSLY SIGHTED BUT WHERE NOT FOUND BY RICK DAVIES DURING SEPTEMBER 2009 SURVEY

Species	Date of search	Location	DEH plant/site #	Easting	Northing	Comments
<i>Thelymitra epipactoides</i>	7/09/2009	Tilley Swamp CP		C.O.*	C.O.*	Untagged cage
<i>Thelymitra epipactoides</i>	7/09/2009	Tilley Swamp CP		C.O.*	C.O.*	Cage on side on ground; untagged
<i>Thelymitra epipactoides</i>	7/09/2009	Tilley Swamp CP	261	C.O.*	C.O.*	In cage
<i>Thelymitra epipactoides</i>	7/09/2009	Tilley Swamp CP	263-5	C.O.*	C.O.*	In cage
<i>Thelymitra epipactoides</i>	7/09/2009	Tilley Swamp CP	284	C.O.*	C.O.*	In cage
<i>Thelymitra epipactoides</i>	7/09/2009	Tilley Swamp CP	289	C.O.*	C.O.*	In cage
<i>Thelymitra epipactoides</i>	7/09/2009	Tilley Swamp CP	186-194	C.O.*	C.O.*	In exclosure; coordinates approximate
<i>Thelymitra epipactoides</i>	7/09/2009	Tilley Swamp CP	291	C.O.*	C.O.*	In exclosure; coordinates approximate
<i>Thelymitra epipactoides</i>	7/09/2009	Tilley Swamp CP	293	C.O.*	C.O.*	In exclosure; coordinates approximate
<i>Thelymitra epipactoides</i>	7/09/2009	Tilley Swamp CP	297	C.O.*	C.O.*	In exclosure; coordinates approximate
<i>Thelymitra epipactoides</i>	7/09/2009	Tilley Swamp CP	298	C.O.*	C.O.*	In exclosure; coordinates approximate
<i>Thelymitra epipactoides</i>	8/09/2009	Potter's Scrub (Coorong NP)		C.O.*	C.O.*	In cage
<i>Thelymitra epipactoides</i>	8/09/2009	Potter's Scrub (Coorong NP)		C.O.*	C.O.*	In cage
<i>Thelymitra epipactoides</i>	8/09/2009	Potter's Scrub (Coorong NP)		C.O.*	C.O.*	In cage
<i>Thelymitra epipactoides</i>	8/09/2009	Potter's Scrub (Coorong NP)		C.O.*	C.O.*	In cage
<i>Thelymitra epipactoides</i>	8/09/2009	Potter's Scrub (Coorong NP)		C.O.*	C.O.*	In cage
<i>Thelymitra epipactoides</i>	8/09/2009	Potter's Scrub (Coorong NP)		C.O.*	C.O.*	In cage
<i>Thelymitra epipactoides</i>	9/09/2009	Messent CP		C.O.*	C.O.*	
<i>Thelymitra epipactoides</i>	9/09/2009	Messent CP		C.O.*	C.O.*	
<i>Thelymitra epipactoides</i>	9/09/2009	Messent CP		C.O.*	C.O.*	
<i>Caladenia colorata</i>	5/09/2009	Lutze HA, Coonalpyn	Site 2	C.O.*	C.O.*	

*C.O. = COORDINATE OMITTED TO PROTECT POPULATIONS - DETAILS FOR BONA FIDE RESEARCHERS & MANAGERS AVAILABLE FROM AUTHOR ON APPLICATION