

Wildlife Conservation



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Wildlife Conservation

THE BASIS FOR WETLAND CONSERVATION

Wetlands fulfil important functions with respect to perpetuating biodiversity, providing wildlife habitat, facilitating drainage and flood mitigation, enabling recreational pursuits and hold intrinsically aesthetic values yet despite all these attributes they remain highly threatened systems.

The City's Wetlands Conservation Strategy (draft) undertakes a geospatially strategic assessment on the distribution, condition and vulnerability of the City's wetlands and recommends realistic actions to ensure the protection and management of these natural assets.

WETLANDS in the CITY OF STIRLING

- Total of 44 wetlands in 33 separate reserves
- Major wetlands
 - Carine Lakes (31.8 ha)
 - Lake Gwelup (34.1 ha)
 - Jackadder Lake (8.02 ha)
 - Careniup Swamp (7.9 ha)
 - Roselea Lake (2.6 ha)
 - Princeton Lakes (4.6 ha)
 - Herdsman Lake (160 ha) – managed by DBCA

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CONSERVATION ISSUES

- Introduction of Koi and Carp and decline in wildlife due to predation
- Associated fishing issues
- Increase in current and new diseases



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INTRODUCTION OF KOI AND CARP



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DECLINE IN WILDLIFE DUE TO PREDATION



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..... AND ASSOCIATED FISHING ISSUES



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DISEASES

- Botulism
- Newcastle Virus Disease (NVD)
- Avian Encephalitis
- Sycroptic Scabies



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WHAT WE ARE DOING DIFFERENTLY

- Documented monitoring
- Developing partnerships with local vets and local wildlife carers
- Liaising and information sharing with state and local governments (e.g. DPIRD and DBCA)
- New control methods
- Stricter PPE requirements
- Updating Wetland Management Plan to address emerging issues

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DATE	LOCATION	SPECIES	DEAD	SICK	INJURED	NOTES
3-Jan-20	Carine ROS	Galah	1			Broken wing
3-Jan-20	Lake Gwelup	Bobtail Lizard			1	Dog attack- Taken to NAR
7-Jan-20	Dog Swamp	Grey Teal	2			Botulism or NDV - Taken to NAR
7-Jan-20	Dog Swamp,	White Ibis	1			Botulism or NDV
7-Jan-20	Dog Swamp	Eurasian Coot	1			Botulism or NDV
7-Jan-20	Waverly Pola	Pacific Black Duck	6	1		Botulism- 1 survived
7-Jan-20	Jackadder Lake	Purple Swamp Hen	1			Botulism or NDV - Taken to NAR
7-Jan-20	Princess Wallington	New Holland Honeyeater	1			Cause of death unknown
10-Jan-20	Jackadder Lake	Purple Swamp Hen	1			Botulism or NDV - Taken to NAR
10-Jan-20	Roselea Wetland	Great Crested Grebe	1			Botulism or NDV - Taken to NAR
12-Jan-20	Jackadder Lake	Purple Swamp Hen			1	Dog attack- Taken to NAR
14-Jan-20	Star Swamp	Quenda		1		Sacroptic Scabies
16-Jan-20	Dog Swamp, Yokine	Pacific Black Duck	1			Taken to DPIRD- confirmed Botulism
16-Jan-20	Dog Swamp, Yokine	Pacific Black Duck	2			Taken to DPIRD- confirmed Newcastle Disease Virus
16-Jan-20	Dog Swamp, Yokine	1 Grey Teal, 1 Euroasian Coot	2			Botulism or NDV
17-Jan-20	Dog Swamp, Yokine	3 Pacific Black Ducks, 2 Grey Teal	5			Botulism or NDV

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ELECTRO FISHING

158 Koi and Carp captured in Roselea and Princeton wetlands March 2020.
Joint control and cost shared with Water Corp.



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STRICTER PPE REQUIREMENTS

Included in Standard Operating Procedures (SOP) and inductions for staff and contractors



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CAPACITY BUILDING AND UTILISATION OF LOCAL RESOURCES

For local government officers, the most important question to ask is:
What on ground resources do I have to manage these issues?

Management has to be an integrated approach inclusive of:

1. Liaising with friends groups, contractors and other stakeholders to report issues and build monitoring database. Forty percent (40%) of issues within the City of Stirling are reported by these groups.
2. Utilising university and TAFE work experience students to gather data and maintain databases
3. Information sharing with LG's and state government organisations

Questions?

