

Each year Local Government Authorities (LGAs) in Perth are surveyed on their nutrient practices by the Phosphorus Awareness Project of the South East Regional Centre for Urban Landcare (SERCUL). The survey is broken up into different sections including nutrient monitoring, fertiliser applications, nutrient management, nutrient education, water quality monitoring and development control. The results from the questions asked in the survey have been used to provide a Score Card for each LGA that responded and clearly show how the LGA is performing and where and how improvements can be made. LGAs should also refer to the Annual Nutrient Survey for Local Government Authorities Results 2022 report (www.sercul.org.au/fertilisewise) for further recommendations on how to implement nutrient Best Management Practices (BMPs).

Please note that not all of the questions asked in the survey were used to determine the overall best management practice score. Any additional information about nutrient practices provided by an LGA is summarised at the end of this scorecard.

BEST MANAGEMENT PRACTICE SCORE 2022

Overall BMP: 81% EXCELLING

The City of Rockingham has excelled in implementing nutrient Best Management Practices in 2021/22. Further improvements can be made in the areas of nutrient monitoring, fertiliser applications, nutrient management and water quality monitoring.

RESPONSE K	EY:			
BMP has be	een achieved	BMP has NOT been achieved	Not Applicable	Response not assessed
BEST MANAG	SEMENT PRACTI	CE (BMP) KEY:		
Excelling	Above Average	Average Below	Average Unsatisfa	actory

NUTRIENT MONITORING

QUESTION	RESPONSE	SECTION BMP
Are regular soil tests &/or leaf tissue analyses conducted in waterbodies?	YES	
Is analysis conducted by a lab affiliated with ASPAC?	YES	EXCELLING
Is plant available phosphorus in the soil measured using an appropriate test?	YES	L/(OLLLIIVO
Are rates of phosphorus determined by soil testing and Phosphorus Retention Index (PRI) results?	YES	

The City conducts soil tests and leaf tissue analysis for sports fields, irrigated parks, and foreshore areas. It is recommended that this practice continues and in irrigated areas moisture testing also be conducted.

FERTILISER APPLICATIONS

QUESTION	RESPONSE	SECTION BMP
Are there foreshore reserves and parks in the LGA?	YES	
Is fertiliser added to foreshore reserves and parks?	YES	EXCELLING
Does the fertiliser contain phosphorus?	NO	
Is it a controlled release, low water soluble fertiliser?	NO	

The City reported that they did not apply fertiliser to foreshore areas in the survey however information was provided on the amount and type applied so the responses were changed accordingly. A buffer zone immediately adjacent to waterbodies should be established in which no fertilising takes place. The width of the buffer zone should be determined by factors such as the site condition and function, however, if possible, it should be at least 50 m. Outside the buffer zone, if fertiliser is required according to soil testing and leaf tissue analysis, it should be phosphorus free and a controlled release, low water soluble fertiliser if in solid form or applied to foliage. If the area is irrigated moisture testing should also be undertaken. It is recommended that the City continue to implement their current practices in other turfed areas, with the exception that fertiliser not be applied in summer.



NUTRIENT MANAGEMENT

QUESTION	RESPONSE	SECTION BMP
Are structural BMPs in place to reduce nutrients entering rivers and wetlands?	YES	
Are non-structural measures in place to prevent nutrients from grass clippings entering waterbodies via stormwater drains?	YES	
Are there deciduous trees in parks and streetscapes?	YES	
Are non-structural measures in place to prevent nutrients from deciduous leaves entering waterbodies via stormwater drains?	YES	EXCELLING
Are there non-structural measures in place to prevent nutrients from sediment entering waterbodies via stormwater drains?	YES	
Is a Nutrient and Irrigation Management Plan (NIMP) implemented for streetscapes?	NO	
Is there a policy to use local native plants as the first choice in public (LGA) and private (developers) landscaping?	YES	

It is recommended that no further deciduous trees be planted on road verges or near waterbodies. A NIMP should be implemented for streetscapes. Some additional measures could be implemented to prevent nutrients from sediment entering waterbodies via stormwater drains (see main report).

WATER QUALITY MONITORING

QUESTION	RESPONSE	SECTION BMP
Are wetlands regularly monitored for nutrient levels?	NO	551 0111
Are stormwater drains regularly monitored for nutrient levels?	NO	BELOW AVERAGE
Are compensating basins regularly monitored for nutrient levels?	YES	

The City monitors compensating basins that are under their control for nutrient levels, however, does not report the results to the local community. It is recommended that the City also regularly monitor wetlands and stormwater drains for nutrients and report the results of all monitoring to the local community. SERCULs Water Quality Monitoring Team can assist LGAs with undertaking this work and can be contacted on 9458 5664.

DEVELOPMENT CONTROL

QUESTION	RESPONSE	SECTION BMP
Are there provisions in the Town Planning Scheme or Planning Policies to enforce environmental conditions on development?	YES	
Do you impose conditions on development which include Nutrient and Irrigation Management Plans (NIMPs)?	YES	EXCELLING
Do you have mechanisms in place to regulate sediment management?	YES	

It is recommended that the City continue to implement their current practices, including monitoring developments for compliance. If developers are found not to be in compliance they should be prosecuted.

NUTRIENT EDUCATION

QUESTION	RESPONSE	SECTION BMP
Are dog poo bins and bags provided in parks and foreshore reserves?	YES	
Are measures taken to educate the public about not feeding bread to waterbirds in foreshore reserves and parks?	YES	EXCELLING
Are ratepayers provided with advice on best practice in fertiliser management according to soil type?	YES	

It is recommended that the City continue to implement their current practices.

