



Shire of Northam

Heritage, Commerce and Lifestyle

SHIRE OF NORTHAM

**NOTICE OF A
COUNCIL MEETING
COMMENCING AT
5:30 PM
WEDNESDAY
19 MARCH 2014**

Councillors:

Please be advised that the next Council Meeting will be held as above.

**JASON WHITEAKER
CHIEF EXECUTIVE OFFICER
14 March 2014**

SHIRE OF NORTHAM

SUMMARY OF AGENDA TO BE PRESENTED TO THE COUNCIL MEETING TO BE HELD ON 19 March 2014 AT 5:30 PM

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SHIRE OF NORTHAM

**Notice and Agenda of a Council Meeting to be held in the Council Chambers on
WEDNESDAY, 19 March 2014 at 5:30 pm**

DISCLAIMER

No responsibility whatsoever is implied or accepted by the Shire of Northam for any act, omission or statement or intimation occurring during Council/Committee meetings or during formal/informal conversations with staff. The Shire of Northam disclaims any liability for any loss whatsoever and howsoever caused arising out of reliance by any person or legal entity on any such act, omission or statement or intimation occurring during Council/Committee meetings or discussions. Any person or legal entity who acts or fails to act in reliance upon any statement does so at that person's or legal entity's own risk.

In particular and without derogating in any way from the broad disclaimer above, in any discussion regarding any planning application or application for a licence, any statement or limitation of approval made by a member or officer of the Shire of Northam during the course of any meeting is not intended to be and is not taken as notice or approval from the Shire of Northam. The Shire of Northam warns that anyone who has an application lodged with the Shire of Northam must obtain and only should rely on **WRITTEN CONFIRMATION** of the outcome of the application, and any conditions attaching to the decision made by the Shire of Northam in respect of the application.

1. OPENING AND WELCOME

2. DECLARATION OF INTEREST

Parts of Division 6 Subdivision 1 of the Local Government Act 1995 requires Council members and employees to disclose any direct or indirect financial interest or general interest in any matter listed in this agenda.

The Act also requires the nature of the interest to be disclosed in writing before the meeting or immediately before the matter being discussed.

NB A Council member who makes a disclosure must not preside or participate in, or be present during, any discussion or decision making procedure relating to the disclosed matter unless the procedures set out in Sections 5.68 or 5.69 of the Act have been complied with.

3. ATTENDANCE

COUNCIL

President
Councillors

Cr S B Pollard
T M Little
K D Saunders
U Rumjantsev
R W Tinetti
R M Head
A W Llewellyn
J E Williams

Chief Executive Officer	J B Whiteaker
Executive Manager Community Services	J McGready
Executive Manager Development Services	P B Steven
Executive Manager Corporate Services	D R Gobbart
Project Manager Community Infrastructure	C B Hunt
Executive Assistant - Chief Executive Officer	Valerie Davies

GALLERY

4. APOLOGIES

Executive Manager Engineering Services	C Kleynhans
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5. LEAVE OF ABSENCE PREVIOUSLY APPROVED

Cr D A Hughes has been granted leave of absence between the following dates:

14 March 2014 to 28 March 2014 and 13 April 2014 to 22 April 2014

Cr D G Beresford has been granted leave of absence for the month of March 2014

6. APPLICATIONS FOR LEAVE OF ABSENCE

Cr J E Williams has applied for a leave of absence between the following dates:

15 April 2014 to 25 April 2014.

Cr S B Pollard has applied for leave of absence between the following dates:

7th April 2014 to 30th April 2014.

Cr K Saunders has applied for leave of absence between the following dates:

22nd March 2014 to 11th April 2014.

RECOMMENDATION

That Cr J E Williams be granted leave of absence between the following dates:

15 April 2014 to 25 April 2014.

That Cr S B Pollard be granted leave of absence between the following dates:

7th April 2014 to 30th April 2014.

That Cr K Saunders be granted leave of absence between the following dates:

22nd March 2014 to 11th April 2014.

7. RESPONSE TO PREVIOUS PUBLIC QUESTIONS TAKEN ON NOTICE

Nil

8. PUBLIC QUESTION TIME

Nil

9. PUBLIC STATEMENT TIME

Nil

10. PETITIONS/DEPUTATIONS/PRESENTATIONS

Nil

11. CONFIRMATION OF MINUTES OF PREVIOUS MEETINGS

RECOMMENDATION

That the minutes of the meeting held 19 February 2014 be confirmed as a true and correct record of that meeting.

RECOMMENDATION

That the minutes of the Annual General Meeting of Electors held on January 15, 2014 be confirmed as a true and correct record and that the decisions made therein pertaining to the receipt of the following reports be noted:

- June 30, 2013 Financial Report
- June 30, 2013 Audit Report
- June 30, 2013 Shire Presidents Report
- June 30, 2013 Chief Executive Officers report

12. ANNOUNCEMENTS BY THE PRESIDING OFFICER WITHOUT DISCUSSION**12.1 PRESIDENT'S REPORT – COUNCIL MEETING WEDNESDAY 19 March 2014**

<u>Visitations and Consultations</u>	
21/2/14	WALGA Avon Midlands Zone meeting
22/2/14	St. John Ambulance Northam Open Day
22/2/14	Twilight movie "The Sapphires" in Northam
25/2/14	Woorloo Prison CLG meeting with Cr. Rumjantsev
26/2/14	Radiowest interview
26/2/14	Welcome Agricultural Degree students to Muresk Institute
26/2/14	Super town working party meeting
26/2/14	Councillors strategic meeting
27/2/14	Welcome Rural Medical School students to Muresk Institute
28/2/14	Conduct Citizenship Ceremony
1/3/14	Avon Vintage Festival day #1
1/3/14	Concert in the Park #1 in Northam
2/3/14	Avon Vintage Festival day #2
2/3/14	Clean Up Australia Day
5/3/14	Shire Corporate Business Plan workshop with Councillors and staff
5/3/14	Relay for Life committee meeting
7/3/14	Fred Killick Art Award exhibition opening
8/3/14	International Women's Day
11/3/14	LEMC meeting
11/3/14	1 st Northam Scouts annual reporting meeting
13-16/3/14	Worlds Greatest Shave Cancer Fundraisers
15/3/14	Concert in the Park #2 at Wundowie
<u>Upcoming Events</u>	
21/3/14	BBQ for National Day of Action Against Violence and Bullying
23/3/14	Black Dog motorcycle ride for depression awareness
26/3/14	Wesfarmers Centenary event stakeholders meeting
29/3/14	Relay for Life 24 hour event opening
30/3/14	Relay for Life event closing
3/4/14	WALGA Avon Midlands Zone meeting in York
5/4/14	Flying 50 day #1
6/4/14	Flying 50 day \$2
7/4/14	AROC meeting in Toodyay
8/4/14	Living in the Shire community event
12/4/14	Wesfarmers Centenary Concert

13. REPORTS OF OFFICERS

13.1. GOVERNANCE

13.1.1 AVON RIVER TOWN POOL STUDY

Submission To:	Council
Name of Applicant:	N/A
Location / Address:	Avon River Town Pool, Northam
File Ref:	7.2.3.1
Officer:	Chadd Hunt
Policy/Legislation:	
Voting:	Simple Majority
Date:	19 February 2014

PURPOSE

For Council to give consideration to the Avon River Town Pool Study and to authorise staff to implement the contained recommendations.

BACKGROUND

The Shire of Northam was originally allocated \$110,000 as part of the Regional Growth Centres (Super Towns) initiative to undertake a feasibility study for additional water supplies to the Avon Town Pool and the detailed design of the preferred option from these investigations. This was funded under the Avon River Revitalisation and Riverfront Development (Stage 1) business case.

Within the revised Financial Assistance Agreement the project Description is stated as –
“The Project aims to improve the health of the Avon River Town Pool and Avon River generally, to recognise Aboriginal and environmental relationship with the river system as and to provide flood mitigation to for the townsite. Through planning, design and capital works, the project will identify strategies and options, both at the local and greater catchment scales to improve the quality of water, land issues, health, aesthetics and appearance of the river.

As the town pool often dries out during summer and detracts from the amenity of the town, works will be carried out to improve the appearance of the pool, potentially unlocking the opportunity to revitalise and redevelop the pool foreshore and areas adjacent to it, which would create a renewed community asset and attraction for visitors.

Works will be carried out to assist with the improvement of the quality of the water and the appearance of the Avon River. Due to the complex nature of the issues associated with the Avon River and townsite drainage, the Project will be staged with Stage 1 including construction of a nutrient stripping basin, piping of drainage lines and recutting of stormwater flows, with further detailed planning works to implement future stages.

The Project will also develop strategies to recognise aboriginal and environmental relationship with the river systems and provide flood mitigation for the town site.”

An assessment of the option of an additional water supply for the Town Pool (as identified in the original planning work undertaken by the SuperTown project) was undertaken by Matt Giruado, Consulting Hydrologist and in essence this option was not considered either practical nor achieving the results of improving the quality of water in the Town Pool.

The focus of the work to date with this component of the FAA has been to look at various options for improving the quality of the water in the Town Pool, drainage improvement works within the town centre to alleviate seasonal flooding issues in conjunction with the redevelopment of Bernard Park including the upgrading of the drainage in the area, including the possible improvements to the existing detention basin (commonly referred to as the swan enclosure). It also provided an opportunity to add to the existing and proposed attractions of the park and general locality including the proposed construction of the aboriginal and environmental interpretative centre.

In order to gain a better understanding of the Town Pool and the relationship with the Avon River generally a number of steps have been undertaken as highlighted with the attached report. These have included but not limited to ongoing water sampling of the Town Pool (through the Avon Valley Environmental Society, physical inspection of the sediment load in the Town Pool through core sampling of river bed, water level monitoring, analysis of previous survey information, consultation with Department of Water and Swan River Trust and literature research.

The SuperTowns Steering Committee considered this matter at its meeting held on February 26th 2013 where it resolved the following –
That it be recommended to Council that

(1) Council receives the recommendations from the report “Town Pool Monitoring Report” prepared by Matt Giruado, and adopts the position that effective long term management of the Northam Town Pool will require a combination of actions, including (in order of priority):

- Facilitated aerobic digestion of organic matter from sediments through treatment with commercially available products.*
- Dredging of sediments to re-create more natural morphology within the Town Pool.*
- Construction of a variable crest weir to reduce the rate of sediment accumulation and increase the frequency of scouring events within the town pool.*

(2) Council notes that further actions outlined in the report “Town Pool Monitoring Report” to better understand the potential of the recommended actions including, but not limited to:

- Further (weekly/fortnightly) monitoring of O₂ levels within the Northam Town Pool to add to current understanding of O₂ concentrations and to better assess the impacts of sediment load to the pool during 2013.*

- *Testing of commercially available products to achieve accelerated aerobic digestion of organic matter of organic sediments. This trial is to be conducted in the “Swan Enclosure” retention basin in Bernard Park with representatives from the Department of Water and Sa River Trust invited to attend to observe the trial.*
- *Preliminary analysis of potential variable crest weir including hydraulic modelling to better assess potential benefits of changes to the weir and more detailed assessment of costs and other potential management implication.*

(3) Council forward copies of the report to the Department of Water, Swan River Trust and Wheatbelt NRM seeking endorsement of the proposed actions contained therein and seeking funding opportunities to continue the work on the recommended actions

STATUTORY REQUIREMENTS

The Shire of Northam has a funding agreement in place with the Department of Regional Development requiring the Council to finalise this project to the detailed design stage.

The statutory framework associated with the Town Pool is complex and involves Rights in Water Irrigation Act 1914, Statewide Policy No 5 – Environmental Water Provisions Policy for Western Australia, Environmental Protection Act and Aboriginal Heritage Act 1972.

It is understood that because the Town Pool is an “artificial” waterbody responsibility for remedial actions (such as dredging) has historically been the responsibility of the local authority, notwithstanding that approvals from other government agencies are required to undertake those works.

CONFORMITY WITH THE PLAN FOR THE FUTURE

Forms part of the endorsed growth plan of the Shire of Northam

BUDGET IMPLICATIONS

The Funding agreement with the Department of Regional Development and Lands indicates a total budget of \$110,000 for this component of the project.

To undertake any of the recommended options in the report will be beyond that of the current agreement and external funding will need to be sourced to complete the high capital cost works.

Council has received a quote to undertake the chemical dosing of the existing detention basin being \$5031 as a trial. Funds are available in the SuperTowns Avon River Revitalisation and Riverfront Redevelopment (Stage 1) fund to undertake this trial.

OFFICER'S COMMENT

The issues surrounding the Town Pool and Avon River generally have been ongoing for numerous years and a number of options have been explored with suggested remedial actions. A number of studies and reports have been undertaken with various recommendations however due to a number of issues, the resultant works have not been as successful as hoped.

Staff are confident however that the current report gives a concise summary of historical actions and provides a real understanding of the issues involved in the Town Pool. It is clear from the report that there is no long term solution to “fixing” the Town Pool given the complexities of the catchment and interrelationship with the Avon River, however there are managements options that can treat the symptoms and improve the quality of water in the Pool.

RECOMMENDATION

That Council

(1) Adopts the recommendations from the report “Town Pool Monitoring Report” prepared by Matt Giraud, and the position that effective long term management of the Northam Town Pool will require a combination of actions, including (in order of preference):

- *Facilitated aerobic digestion of organic matter from sediments through treatment with commercially available products.*
- *Dredging of sediments to re-create more natural morphology within the Town Pool.*
- *Construction of a variable crest weir to reduce the rate of sediment accumulation and increase the frequency of scouring events within the town pool.*

(2) Endorses the further actions as outlined in the report “Town Pool Monitoring Report” including, but not limited to:

- *Further (weekly/fortnightly) monitoring of O₂ levels within the Northam Town Pool to add to current understanding of O₂ concentrations and to better assess the impacts of sediment load to the pool during 2013.*
- *Testing of commercially available products to achieve accelerated aerobic digestion of organic matter of organic sediments. This trial is to be conducted in the “Swan Enclosure” retention basin in Bernard Park with representatives from the Department of Water and Swan River Trust invited to attend to observe the trial.*
- *Preliminary analysis of potential variable crest weir including hydraulic modelling to better assess potential benefits of changes to the weir and more detailed assessment of costs and other potential management implication.*

(3) Forwards copies of the report to the Department of Water, Swan River Trust and Wheatbelt NRM seeking comment on the proposed actions contained therein and seeking funding opportunities to continue the work on the recommended actions.

SHIRE OF NORTHAM

Hydraulic Assessment Northam Weir

February 2014

This document was prepared by Matt Girauda, Consulting Hydrologist, under contract to the Shire of Northam.

Suggested reference: Girauda M 2014. Hydraulic Assessment – Northam Weir. Shire of Northam, Northam, Western Australia, February 2014

Disclaimer

The latest information has been sought and care has been taken to avoid errors and omissions in the production of this document. The authors accept no responsibility for errors, omissions and/or inaccuracies contained herein.



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1 Introduction

Previous recommendations for management of the Northam Town Pool highlighted the potential for upgrading or replacing the existing fixed crest weir with a variable crest weir (Girauda 2013a&b, GHD 2011). The reasons sighted for the recommended alteration to the weir reflect the need to increase scouring within the Northam Town Pool, to reduce future accumulation of sediment. However, no detailed hydraulic analysis has been undertaken to assess the impact of a variable crest weir on flow dynamics in the Town Pool.

Presented herein is an assessment of potential alterations to the Northam Weir. The assessment includes hydrologic assessment of the prevailing flow conditions and hydraulic analysis of flow dynamics in the Town Pool. The analysis, whilst preliminary from a weir design perspective, sheds light on the current extent of scouring occurring within the Town Pool, and seeks to inform the conceptual design of the weir upgrade.

2 Background

The Northam Town Pool suffers from intermittent adverse environmental and aesthetic conditions largely caused by anoxic benthic waters. Organic matter contained within sediments is considered the primary cause of the anoxic conditions in the Town Pool, which tend to occur during summer and autumn (Girauda 2013b).

Previous investigations assessed the oxygen and nutrient concentrations within the Town Pool over a 12 month period in addition to physical distribution of sediment, chemical composition of sediments and sediment dynamics within the Town Pool (Girauda 2013b Girauda 2013c). A series of recommendations were forthcoming from these studies, including trialling enhanced bacterial decomposition of organic matter within sediments, dredging of sediment and construction of a variable crest weir to reduce the rate of future sediment accumulation.

3 Methodology

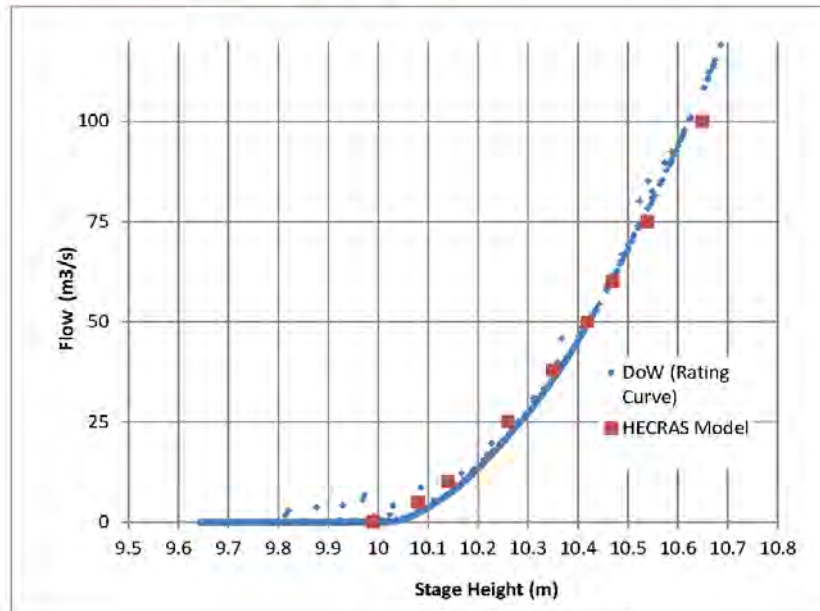
Hydrologic assessment was undertaken through analysis of recorded flow data for the Northam Weir (1977 – 2012) and previously developed hydrology model for the Avon River at Northam (Girauda 2012).

Hydraulic analysis of flow conditions in the Town Pool was undertaken using the HEC-RAS (V 4.1) model. The model included the Northam Town Pool and Northam Weir, the Avon River immediately upstream and downstream of the Town Pool, the Mortlock River within the Northam townsite and the confluence of the Avon and Mortlock Rivers.

Cross sections of the Northam Town Pool used in the hydraulic analysis were extracted from the 2011 topographic survey data for the Northam River Pool, between Peel Tce and Newcastle bridges. Cross sections for the Mortlock River and the Avon River upstream and downstream of the Town Pool were extracted from the 2008 DEM of the river channel and checked against topographical survey of cross sections of the Avon River undertaken during 1983, which was subsequently used in the 1985 flood study of the Avon River (Binnie 1985).

HEC-RAS model results present flow data very similar ($\pm 0.03\text{m}$) to the official rating curve for the Northam Weir (DoW).

Figure 1. HECRAS flow and Stage height and DoW rating curve



4 Summary of HEC-RAS Modelling Results

The HECRAS model was used to estimate flow velocity in the Town Pool during peak flow conditions recorded in the Avon and Mortlock Rivers at Northam, during the period of monitoring 1977 – 2013 (refer Appendix A). Flow conditions at the Northam Weir are in part influenced by the magnitude of flow within the Mortlock River, particularly at higher flows, because the confluence of the Avon and Mortlock is located immediately downstream of the Northam Weir.

Flow conditions were modelled with and without the current fixed crest weir, to assess the impact of the weir on flow velocities in the Town Pool. Modelled average and maximum flow velocities in the Northam Town Pool (during observed annual peak flow events) are presented in Figure 2 and Figure 3 respectively.

Figure 2. Modelled Average Flow Velocity in the Northam Town Pool

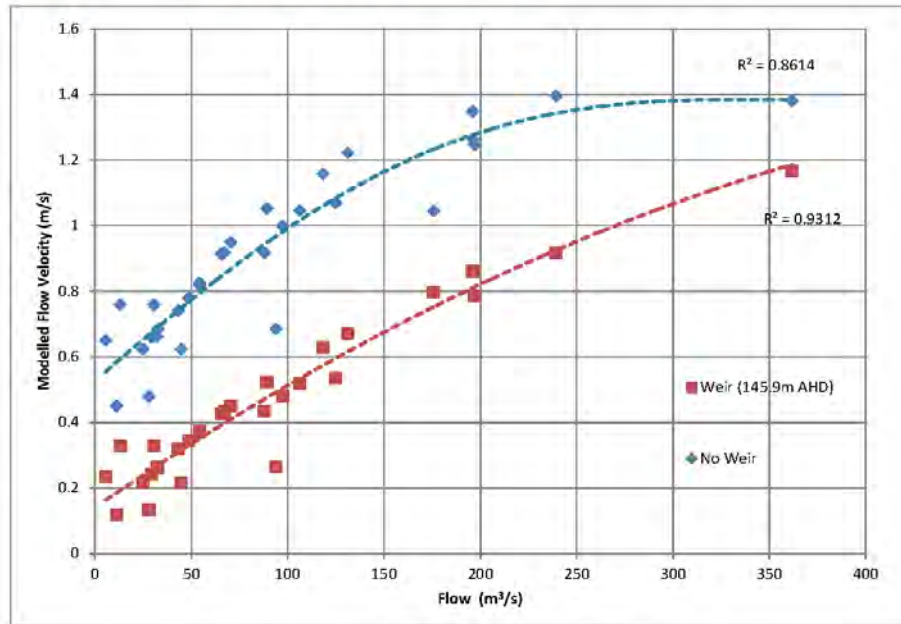
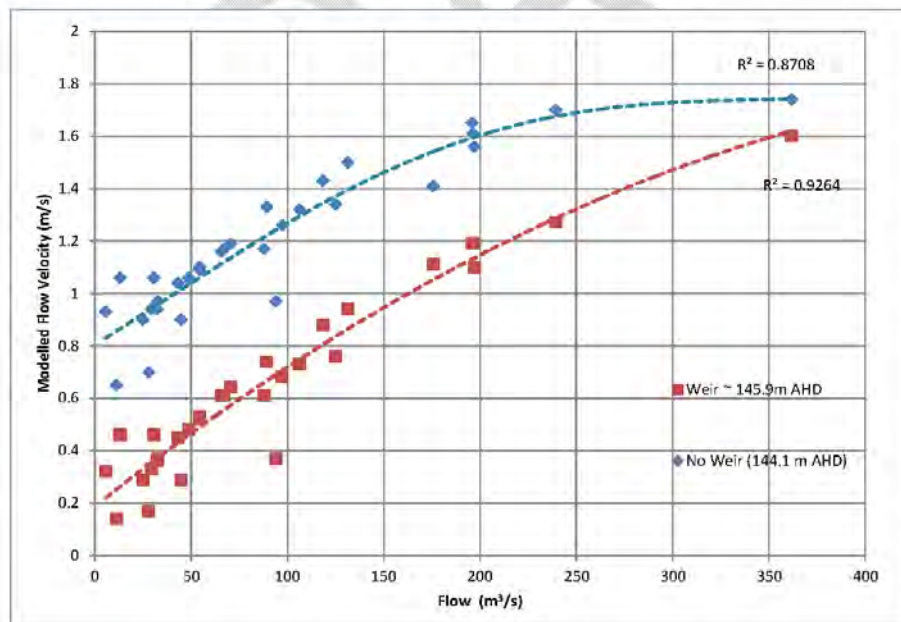


Figure 3. Modelled Maximum Flow Velocity in the Northam Town Pool



Hydraulic modelling presented in Figure 2 and Figure 3 illustrates that the weir results in a 0.4 – 0.6 m/s reduction in flow velocity in the town Pool, for flows of $< 250 \text{ m}^3/\text{s}$.

Previous assessment of sediment dynamics of the Northam Town Pool (Giraudó 2014c) suggests that significant sediment movement is likely to occur primarily during larger flows ($> 100 \text{ m}^3/\text{s}$). Hydraulic modelling undertaken using HEC-RAS indicates that for flows of $100 \text{ m}^3/\text{s}$ the average and maximum flow velocities in the Town Pool are in the order of 0.5 m/s and 0.7 m/s respectively. Flow velocities exceeding 0.5 m/s are probably sufficient to result in movement of unconsolidated sediment, particularly if turbulence near to sediments occurs as a result of uneven sediment profiles evident in bathymetric surveys of the Town Pool (Giraudó 2014c).

The assessment of sediment dynamics presented in Giraudó 2013c indicates that between 15% - 30% of total sediment deposited in the Town Pool was resuspended during the periods of 1983 – 1994 and 1994 – 2000 respectively. Flows exceeding $100 \text{ m}^3/\text{s}$ were more frequent (approximately 4 times) during the period 1994 – 2000 when compared to 1983 - 1994, albeit associated with a relatively small number of discrete flow events (refer Figure 4).

Whilst not definitive, the assessment undertaken indicates that sediment re-suspension currently occurs within the Northam Town Pool during infrequent large flow events (probably exceeding $100 \text{ m}^3/\text{s}$) - where average flow velocity is likely to exceed 0.5 m/s.

5 Flow Frequency Analysis

Flow frequency analysis presented in Figure 4 and Figure 5 indicates that the frequency of flows exceeding 100m³/s has decreased in recent decades, with a noticeable reduction in large flows since 2000. This is consistent with other flow data in the southwest of WA and with climate change modelling for the region (IOCI 2013). Climate modelling for the region predicts longer drought periods and reduced rainfall during the flow period the Avon River.

Previous catchment hydrology modelling presented in Girauo 2012, Girauo 2013a&b indicates a reduction in the peak annual catchment wetness since the early 1900's, with a marked reduction in catchment conditions correlating with peak flows exceeding 100m³/s, particularly since the mid 1980's (refer Figure 5).

The analysis suggests that catchment conditions likely to result in large peak flows in the Avon River have reduced markedly since the mid 1900's, and that drier conditions are likely to persist in the coming decades.

Figure 4. Number of days flow exceeded 75 and 100 m³/s – Northam Weir (DoW)

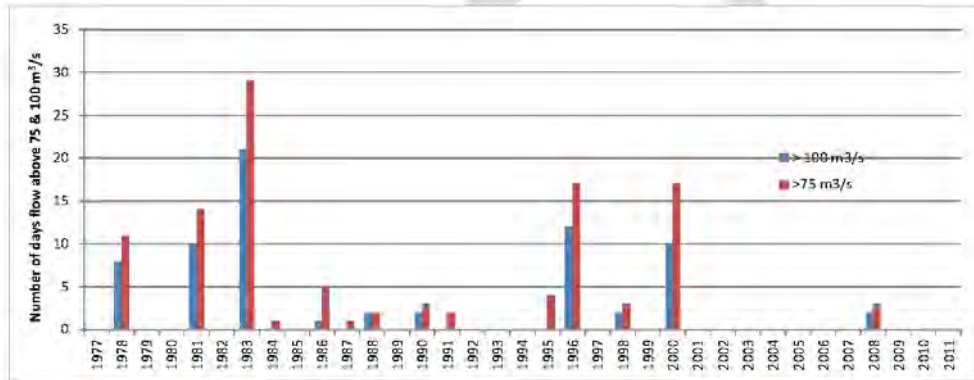
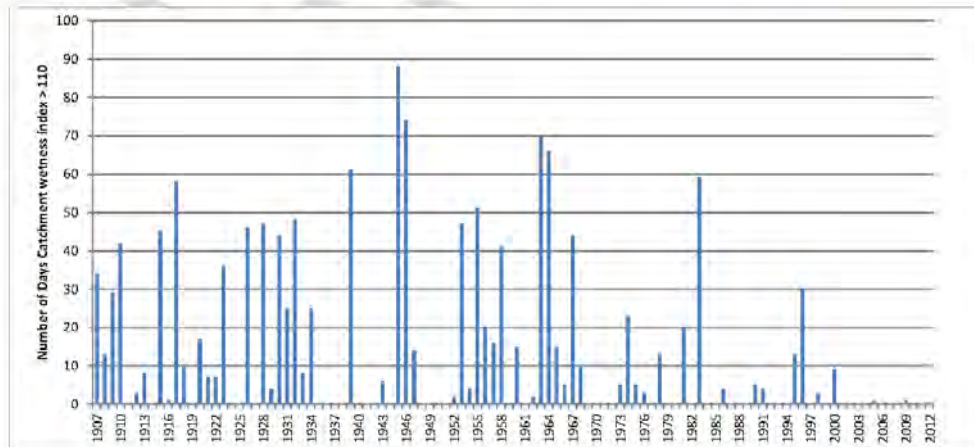
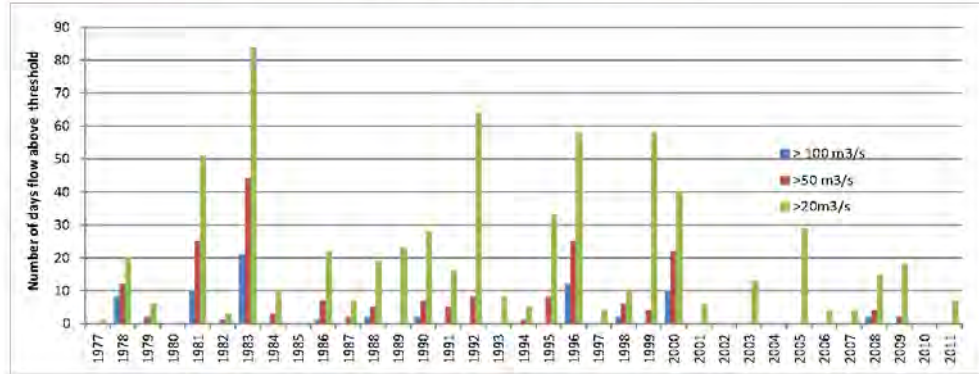


Figure 5. Modelled number of days catchment wetness conditions exceeded that likely to result in 100 m³/s flow at Northam Weir (source Girauo 2013b)



Flow frequency analysis (of recorded flows at Northam Weir) presented in Figure 6 suggests that flows have rarely exceeded 50m³/s since 2000 (refer Figure 6).

Figure 6. Number of days flow exceeded 20, 50 and 100 m³/s – Northam Weir (DoW)



If scouring of sediments is to occur on a regular basis, then re-suspension of sediment would need to occur at relatively small flows (<30 m³/s). Flow velocity analysis presented in Figure 2 and Figure 3 indicate that flow velocities in the Northam Town Pool would exceed 0.5m/s during flows of around 20 – 30m³/s. Removal of the Northam Weir or replacement with a variable crest weir would therefore likely result in increased frequency of scouring of the Town Pool during relatively frequent flow events.

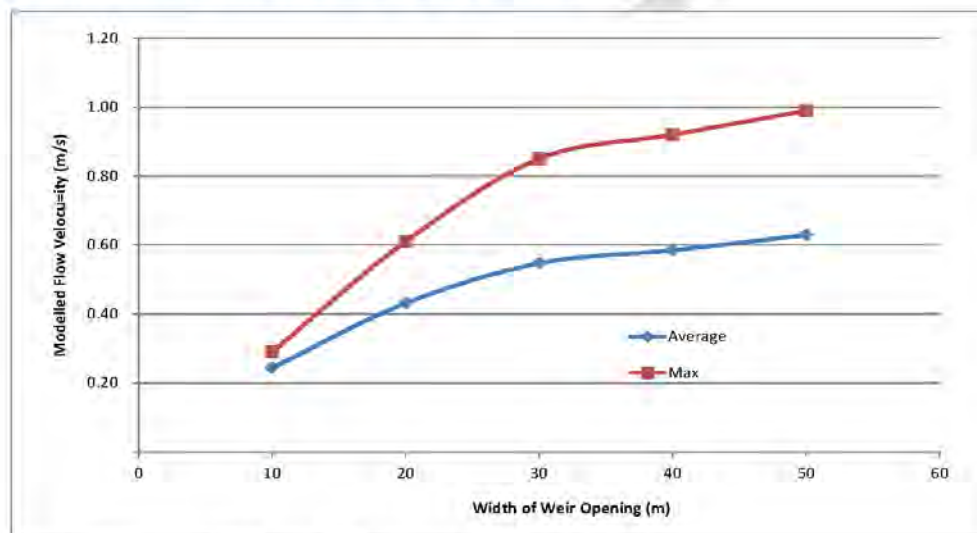
6 Weir Width Analysis

Further analysis was undertaken to determine the potential width of the weir opening required to achieve the desired flow velocity, because reducing the width of the weir opening may have significant cost implications.

Results of the analysis are presented in Figure 7. This illustrates that the optimum weir opening is around 30m, assuming a target flow of $30\text{m}^3/\text{s}$. There appears to be little benefit to flow velocity (at the target flow rate) by increasing the weir opening beyond 30m (refer Figure 7).

The width of the existing fixed crest weir is 130m.

Figure 7. Modelled flow velocity for various weir openings – at $30\text{m}^3/\text{s}$

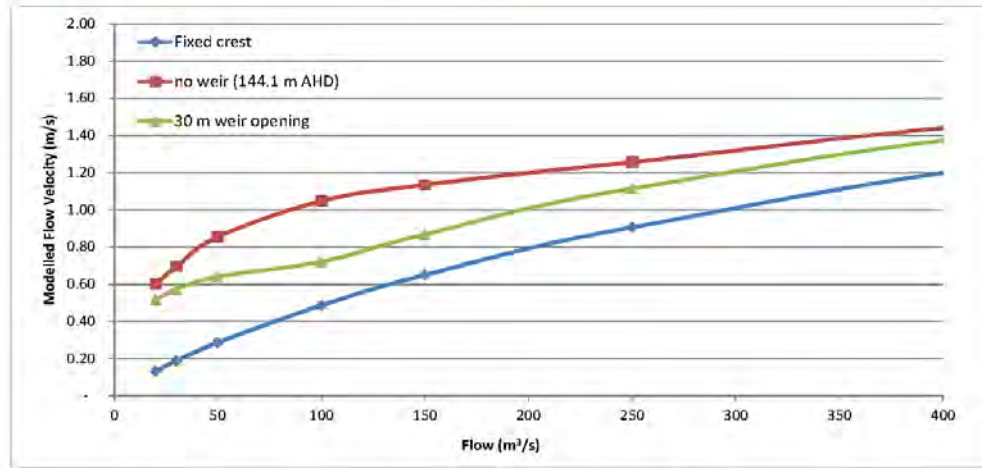


Modelling of flow velocities for various flow rates in the Avon River was undertaken for three weir configurations:

- Existing fixed crest weir (no alteration to current weir)
- No weir (i.e. remove weir and reinstate natural channel conditions)
- 30m weir opening (variable crest weir with a 30m opening)

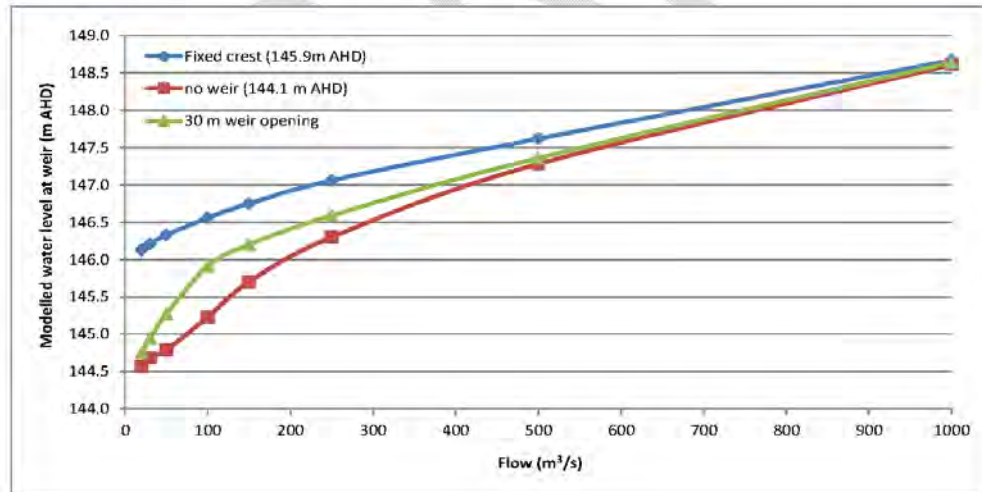
The analysis (presented in Figure 8 and Figure 9) illustrates that flow velocities for 30m weir opening are similar to those for no weir, for flows of $<30\text{m}^3/\text{s}$. However, as flow increase beyond $50\text{m}^3/\text{s}$, the impact of the 30m weir opening on flow velocities becomes more pronounced.

Figure 8. Modelled flow velocities of various weir configurations



Also presented is the modelled water level at the Northam Weir for the weir configurations outline above. The analysis indicates that the construction of a weir opening of 30m would allow water level conditions similar to the no weir options for larger peak flows (exceeding 300m³/s).

Figure 9. Modelled water level for various weir configurations



Flood analysis for the Avon River (Binnie 1985) estimates the 1:5 ARI peak flow at 284m³/s (refer Table 1). The hydraulic analysis undertaken indicates that the water level at the Northam Weir would be similar to that for the no weir condition and a 30m weir opening for flows approaching 500m³/s (~1:15 ARI peak flow), and approximately 300mm below that for the fixed crest weir. This may result in significant improvements to town centre stormwater drainage for stormwater pipes discharging directly into the Town Pool during large flow events.

Table 1. Published ARI peak flows for Northam Weir (Binnie 1985)

ARI (Annual return interval)	Peak Flow (m ³ /s) (Binnie 1985)
1:2	131
1:5	284
1:10	425
1:25	660
1:50	880
1:100	1130

7 Conclusions

The existing fixed crest weir in the Northam Town Pool has the effect of reducing flow velocities in the Northam Town Pool by 0.4 – 0.6 m/s, for flow < 250m³/s. The effect of this flow reduction is to significantly reduce the frequency of souring events within the Town Pool.

Scouring flow events the Town Pool have previously provided a moderate impact on sediment accumulation in the pool, with re-suspension of sediment estimated at approximately 15% and 30% of total sediments deposited between 1983 and 2000. Re-suspension of sediment appears to predominately occur at flows exceed in 100m³/s, resulting in average flow velocity within the Town Pool of approximately 0.5m/s.

Changing flow conditions in the Avon River means that flows exceeding 50m³/s have occurred only on rare occasions since 2000. Climate change predictions for the Southwest of Western Australia suggest that the frequency of moderate - large flows in the Avon River is likely to reduce rather than increase in the coming decades.

Management of sediment accumulation within the Town Pool through regular scouring of sediments will require reducing the scour-flow threshold from approximately 100m³/s to 20 – 30m³/s. Hydraulic analysis indicates that the desired flow conditions could be achieved in the Town Pool by modifying the current fixed crest weir to include a 30m gated section, where the crest of the weir could be varied to mimic conditions similar to that of no weir during moderate flow events.

Additional investigation would be required to support the design of the weir, including the development of appropriate operating guidelines. But it is envisaged that there would be no change to summer operating level of the modified weir. The weir level of the gated section would only be reduced during target flow events to encourage sufficient scouring of sediments to stop the accumulation of sediments within the Town Pool over time.

The existing sediment load in the Town Pool would need to be removed or neutralised to overcome the potential negative downstream impacts arising from discharge of the existing high sediment load within the Town Pool.

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Appendix A – River Flow Data

Table 2. Peak Flows Mortlock and Avon Rivers at Northam (DoW)

	Northam (m³/s)	Mortlock m³/s)
1977	22	5
1978	239	16
1979	54	13
1980	7	2
1981	197	43
1982	55	14
1983	362	198
1984	97	14
1985	20	5
1986	106	20
1987	88	14
1988	125	12
1989	49	22
1990	196	67
1991	89	23
1992	66	38
1993	33	14
1994	54	9
1995	94	65
1996	196	24
1997	29	9
1998	131	10
1999	71	41
2000	176	153
2001	32	9
2002	6	1
2003	28	23
2004	13	3
2005	45	4
2006	25	38
2007	31	2
2008	118	36*
2009	67	20*
2010	11	3*
2011	43	13*

* Estimate only

SHIRE OF NORTHAM

Northam Town Pool

Water Quality Assessment and Recommendations for Management

October 2013

Summary of water quality data (dissolved oxygen and nutrients) and sediment analysis for the Northam Town Pool for the period Oct 2012 – Sept 2013, and recommendations for management response.

This document was prepared by Matt Giraudo, Consulting Hydrologist, under contract to the Shire of Northam.

Suggested reference: Giraudo M 2013. Northam Town Pool, Water Quality Assessment and Recommendations for Management. Shire of Northam, Northam, Western Australia, October 2013

Acknowledgements

Thanks to the Shire of Northam for its input to the project, the Avon Environment Society for the collection and collation of much of the data used in the analysis presented herein and to the Swan River Trust and Department of Water for technical input.

Disclaimer

The latest information has been sought and care has been taken to avoid errors and omissions in the production of this document. The authors accept no responsibility for errors, omissions and/or inaccuracies contained herein.



Executive Summary

Water quality analysis, including weekly sampling of dissolved oxygen (DO) and limited monitoring of nutrients and sediment analysis was undertaken for the Northam Town Pool to better inform future management of the pool.

DO concentrations declined rapidly after the cease of flow. Although surface DO levels displayed some resilience, DO concentrations deeper in the water column declined more rapidly. Benthic DO concentrations remained very low throughout the monitoring period with the exception of brief periods during moderate – high flow, where turn-over of the entire water column occurred. Benthic DO concentration returned to anoxic condition shortly after the flow subsided.

DO concentrations within the water column appeared to decline temporarily following periods of local inflow, coinciding with an increase in biological oxygen demand (BOD). Larger flows from the upstream Avon River to the Town Pool typically resulted in increased DO concentrations, most likely due to turbulent oxygenation from upstream river flow.

Disturbance of fine sediment in the upstream Burlong Pool, which led to a dramatic increase in turbidity within the Northam Town Pool, caused DO concentrations to crash throughout the entire water column in April 2013. Prior to the disturbance of sediments in Burlong Pool, DO levels in surface and mid-depth waters in the Town Pool appeared to be recovering as a result of increased flow from the upstream Avon River.

The relationship between DO and temperature changed throughout the monitoring period, reflecting seasonal changes in temperature and flow conditions within the Town Pool. The capacity of the water column to maintain higher concentrations of DO was greatest at the end of the winter flow period then declined over summer and autumn.

Nutrient monitoring indicated high organic nitrogen concentrations (>2.5 mg/L). Total phosphorus (TP) levels within the Northam Town Pool were generally low to moderate (<0.1 mg/L TP). Little variation in TP concentrations with the water column was detected, even within benthic samples collected during periods of extremely low DO concentrations (<0.1 mg/L O₂), with the exception of a single sample taken near the Northam Weir (0.61 mg/L).

The TP concentrations in the water column and sediments may indicate slow accumulation of TP within sediments. Fine sediments within the pool have high concentrations of Al and Fe, which in combination with slow accumulation rates appear to have led to a high proportion of TP being bound to sediments, explaining the relatively low TP concentration in benthic waters during anoxic conditions.

High N:P ratios (>30:1) indicate that phosphorus is the limiting factor in biological production within the Town Pool. Relatively high concentrations of organic carbon (~ 3%) within benthic sediments are probably the primary driver for the rapid reductions in DO that occurs following cease-to-flow conditions.

Sediment analysis indicates sediments are neutral to slightly alkaline, but they will acidify once oxidised, resulting in pH of approx. 3–4_(CaCl₂).

The implications of these findings for previously identified management options for the Northam Town Pool are briefly discussed below.

Increased water level

'Topping up' of the water level in the Town Pool to provide dilution is unlikely to provide any significant environmental benefits, because the concentration of nutrients in the water column are not the key driver impacting the rapid reduction in DO within the water column.

Phosphorus binding

Phosphorus is the limiting factor influencing biological production, but most of the Phosphorus contained within the sediment is bound and therefore inactive. Adding a phosphorus binding agent is unlikely to significantly improve water quality and in itself may present environmental risks.

Artificial oxygenation

Oxygenation of benthic layers will alleviate hypoxic and anoxic conditions within the Town Pool. However, oxygen needs to be delivered to benthic layers over a large area of the Town Pool after the cease-to-flow period to be successful.

Oxygenation of the shallow, warm waters that occur in the Town Pool during summer and autumn presents a significant challenge. Costs and technical difficulties make this option largely impractical in this instance.

Harvesting of Aquatic Weed

Physical removal of aquatic weed and/or filamentous algae will likely reduce the rate of accumulation of organic matter within the pool sediments, but it won't reduce the organic matter already present within the sediment. Harvesting of aquatic weeds and filamentous algae will not stop the production of the offensive smelling hydrogen sulphide because the organic rich sediment is the primary cause of the oxygen depletion within the water column and the production sulphur dioxide.

Aerobic digestion of organic sediment

Aerobic decomposition of organic matter within sediments using commercial products utilising large populations of bacteria and peroxide compounds to aerate benthic water will potentially remove the source of the problem – organic matter contained within sediments.

This is a relatively new technology and products currently available have not been tested in this environment, with examples typically restricted to wastewater treatment and commercial applications with small volumes of sediment with higher concentration of organic matter. A trial in the Swan Enclosure, located adjacent to the Northam Town Pool, is recommended to better assess the potential application within the Northam Ton Pool.

Dredging

Dredging of sediments will address, at least in part, the source of the problem. However, the large volume of sediment within the Town pool, estimated at approximately 120,000 m³, presents obstacles in terms of cost and disposal of dredged sediment.

An alternative to dredging the entire pool is to dredge a channel on the western side of the pool (30,000 m³) to mimic more natural river morphology. This will encourage more concentrated flow and likely result in a reduced rate of future sedimentation.

In their current form, excavated sediments will rapidly oxidise and become acidic and will need to be neutralised at the time of excavation. Disturbance of sediments also presents a significant hazard to the ecosystem of the Town Pool and downstream environments. These risks could be nullified if successful aerobic digestion of organic sediment is undertaken prior to dredging of sediments.

Variable Crest Weir

Further accumulation of organic-rich sediments in the Northam Town Pool will occur unless there is a change to the existing hydraulic conditions of the pool. Scouring of the Town Pool does occur, but only during large flows events ($>100 \text{ m}^3/\text{s}$). Hydrologic analysis of the Avon River indicates that the observed reduction in the frequency of scouring flows over the last 3 decades is likely to continue into the future.

Hydraulic modelling indicates that the construction of a variable crest weir will assist in controlling future accumulation of sediment in the Northam Town Pool by reducing the threshold of flow required to result in scouring of sediments to $20 - 30 \text{ m}^3/\text{s}$.

Costs & Recommendations

Formal assessment of costs associated with recommended management of the Northam Town Pool is yet to be undertaken; additional investigations are needed to develop reliable costing.

Of the recommended strategies the following costs are considered likely:

- *Aerobic decomposition of organic matter- \$600 - \$800k*
- *Dredging of sediment: 30,000 m³ at \$15/m³: \$450 - \$600k*
- *Construction of a variable crest weir: \$ 1 -2 M*

Immediate recommendations include:

- *Additional monitoring of water quality*
- *Further investigation assessment of costs and potential constraints of alteration to the existing weir or construction of a variable crest weir.*
- *Trial of Aerobic decomposition of organic matter in the Swan Enclosure*

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Nutrient Analysis – Northam Town Pool

1 Introduction

Sediments rich in nutrients, particularly phosphorus, have previously been suggested as the primary cause of the poor environmental and aesthetic amenity of the Northam Town Pool. A range of potential management options have been mooted, but selection and implementation of an effective management strategy has been inhibited by a poor understanding of the underlying causes and processes affecting the health of the Northam Town Pool (Gutheridge Haskins & Davey 1992, Waterways Commission 1995, GHD 2011, Giraud 2012).

Chemical analysis of the water column and sediments was undertaken during summer 2012–2013 to assess the primary drivers of poor water quality within the Northam Town Pool. Presented below is a summary of the data collected, discussion of the primary causes of poor river pool health within the Northam Town Pool and consideration of appropriate management options.

2 Data Collection

2.1 Dissolved oxygen

The shire of Northam contracted the Avon River Environment Society (AVES) to undertake weekly monitoring of dissolved oxygen levels in the Northam Town Pool for the period October 2012 – May 2013. Monitoring was carried out at 5 sites (refer Figure 1 of this report) located longitudinally along the Northam Town Pool from the Newcastle Street Bridge to the Northam Weir. Four samples were collected from the water column at each monitoring site at various depths:

- *Surface*
- *0.5 m below surface*
- *1.0 m below surface*
- *1.5 m below surface*
- *Just above sediments.*

2.2 Nutrients

Laboratory nutrient analysis was undertaken for 3 samples collected weekly from 28/03/2013 – 11/04/2013 for 3 sites (Sites 1, 3, 5). Analysis included:

- *Inorganic nitrogen (NO_x)*
- *Total Kjeldahl nitrogen (TKN –organic nitrogen)*
- *Total nitrogen (TN)*
- *Total phosphorus (TP)*
- *Biological oxygen demand (BOD).*

2.3 Sediment analysis

Sediment analysis was undertaken for 3 sites (site 1, 3, 5 – see Figure 1) in the Town Pool and 2 sites in the Swan Enclosure. The purpose of the sediment analysis was to assess the physical characteristics of pool sediments, the potential for development of acid sulphate soils and to identify any additional contaminants. A key objective of the sampling was to further assess potential issues arising from previously mooted management actions, including dredging and disposing of river pool sediments.

Analysis included:

- *Conductivity*
- *pH*
- *Acidity trial*
- *Sulphur trial*
- *Calcium*
- *Magnesium*
- *Acid base accounting*
- *Soluble cations*
- *Total metals*
- *Ammonia*
- *NOx*
- *TKN*
- *total oxygen (TO)*
- *Organic carbon*
- *Organo-phosphorus and organo-chloride pesticides*
- *Polychlorinated biphenyls*
- *Polynuclear aromatic hydrocarbons*
- *Base/neutral extractable surrogates.*



Figure 1. Location of Monitoring Sites – Northam Town Pool

2.4 Hydrologic data

Analysis of rainfall data and runoff modelling was undertaken for the period of monitoring to identify inflow events to the Northam Town Pool. Runoff modelling considered daily rainfall from Northam, York and Beverly Bureau of Meteorology rainfall centres for the period of monitoring. Runoff was estimated using the following equations.

$$\text{Equation 1. } I = \sum (I_{n-1} + \text{Rainfall}_n) \times k$$

I: Calculated daily wetness index

K: catchment drying fraction (0.965)

$$\text{Equation 2. } eRO = \sum (I_n \times \text{Rainfall}_n) / 250$$

eRO: Estimated runoff

Estimated runoff (mm) was the equivalent of 0.15 (15%) of total rainfall for the period of monitoring. The purpose of modelling was to establish the likely incidence of runoff, rather than to provide a precise volume of runoff for each event.

River water level data collected during weekly DO monitoring was assessed to provide an indication of the magnitude of discharge over the Northam Weir.

3 Monitoring Sites

The five monitoring sites were longitudinally distributed in the main channel of the Northam Town Pool. The bed levels of the sites were estimated using a bathometric survey taken of the river during 2001 (refer Figure 1). The weir height identified in that survey was 145.9 m AHD.

Table 1. Monitoring Sites – Northam Town Pool (MGA GDA 94 – Zone 50)

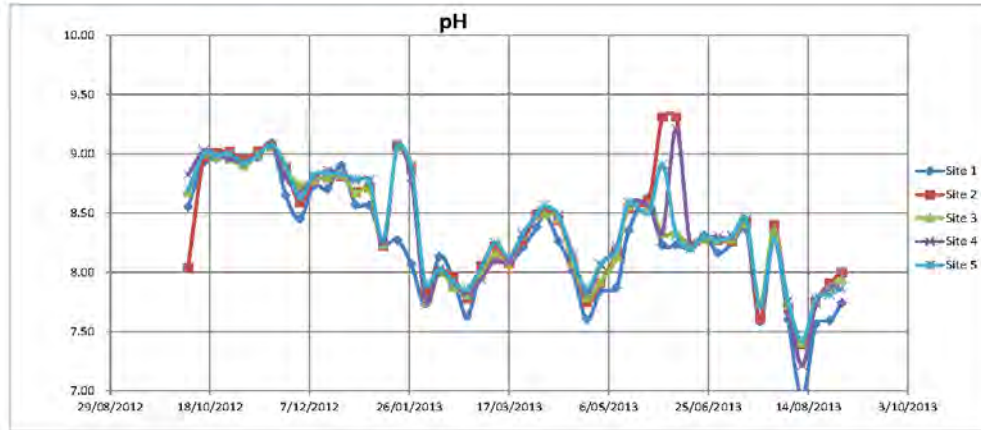
	Elevation (mAHD)	Easting	Northing	Depth at cease to flow
Site 1	143.82	468905.5	6498535	2.08
Site 2	144.087	468830.6	6498237	1.81
Site 3	144.08	468753.8	6498019	1.82
Site 4	143.98	468686.2	6497923	1.92
Site 5	144.419	468402.3	6497750	1.48

4 Results

4.1 pH

The pH of the Northam Town Pool surface waters varied between 7 and 9_(CaCl₂) for the monitoring period, with only minor variation recorded between monitoring sites (see Figure 2). Most variation in pH occurred during the flow period, with pH tending to stabilise during periods of no flow.

Figure 2. Variations In pH – Northam Town Pool



4.2 Salinity

Salinity typically varied between 10,000 and 15,000 mg/L during the monitoring period (see Figure 3). Monitoring identified only minor variations in salinity between sites and within the water column.

Figure 3. Variations in Salinity – Northam Town Pool

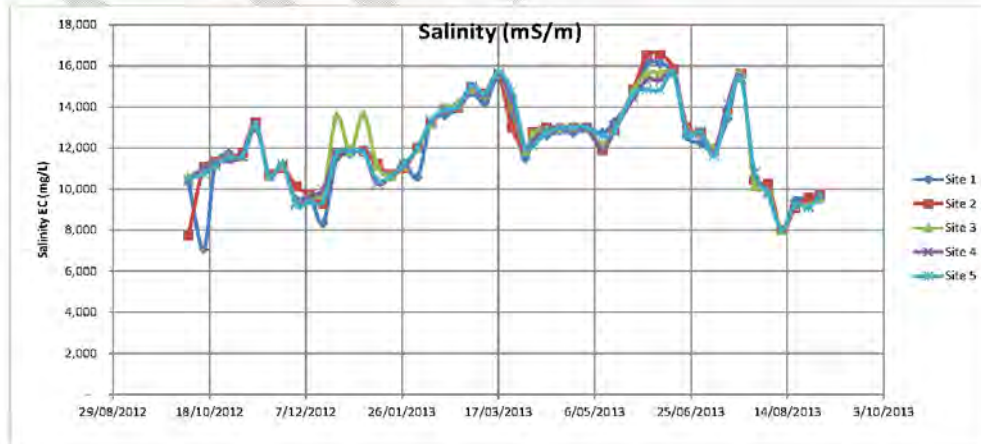
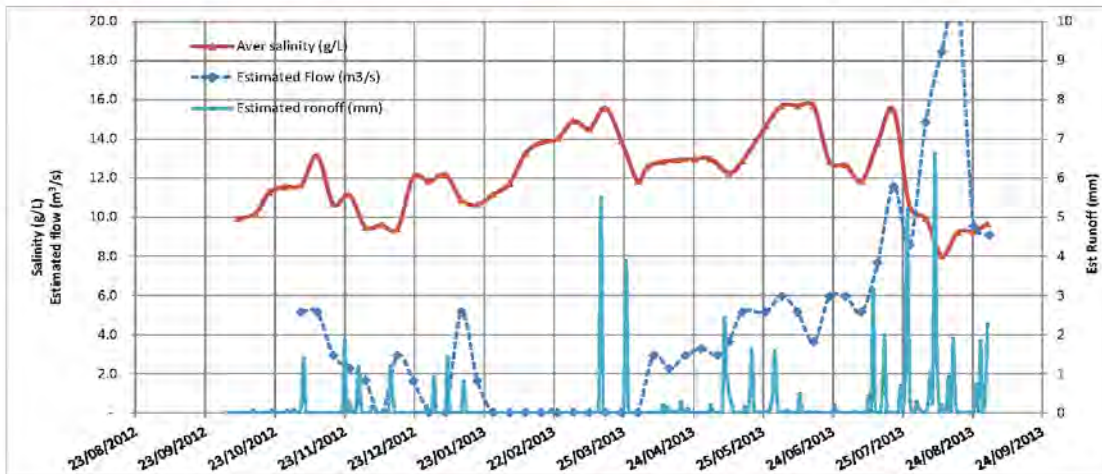


Figure 4 combines recorded salinity (averaged between monitoring sites) within the Northam Town Pool with estimated runoff and discharge from the pool (flow). Estimated flow (discharge from the Town Pool) presented in Figure 4 is based on the pool water level height recorded during weekly monitoring converted to flow using a rating curve derived from DoW flow data for the Northam Weir. This provides only an indication of flow discharge from the Town Pool; a more accurate assessment of flow at Northam Weir is intended once flow monitoring data for the period of monitoring becomes available.

Estimated runoff (mm) presented in Figure 4 was calculated using Equation 1 and Equation 2 (above).

Figure 4. Salinity, and estimated runoff and flow discharge from Northam Town Pool



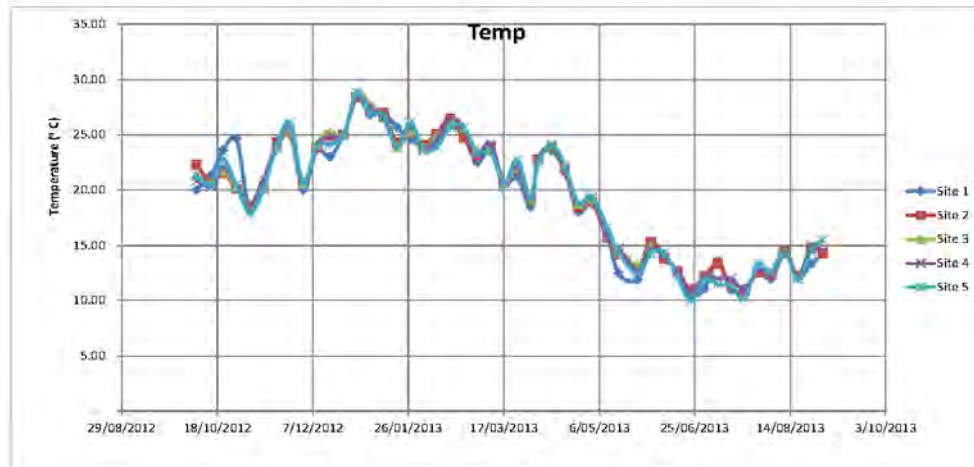
Changes in salinity within the Town Pool tend to coincide with incidence of predicted runoff, with temporal variations in salinity reflective of various flow events throughout the flow period in addition to evapo-concentration. This is most noticeable in the period Jan 2013 – Mar 2013, during which time there was little or no surface water discharge into the pool (refer Figure 4). Variations in salinity during the flow period are common within the Avon River, and are reflective of the relative contributions of various upstream sub-catchments.

4.3 Temperature

The temperature of surface waters within the Town Pool varied between 10°C and 28°C during the monitoring period (Figure 5). Variations largely reflect seasonal trends, with minor variations likely to reflect shorter-term variations in ambient temperature and flow contribution to the pool.

Monitoring of temperature at various depths was undertaken during the latter stages of monitoring and indicated only minor variations in temperature throughout the water column.

Figure 5. Water temperature in the Northam Town Pool



The interaction between temperature and DO is considered in the next section of the report.

4.4 Dissolved oxygen

Analysis indicates relatively little variation in DO concentration between sample sites but distinct trends in both seasonal variations and depth within the water column (refer Figure 6).

Figure 7 combines average DO levels across all 5 sites for varying depths within the water column with estimated inflow and discharge from the Town Pool, providing additional insight into the underlying variations in DO within the pool. Inflow to the Town Pool is assumed to have occurred during periods of predicted runoff (refer Figure 6 & Figure 7). Outflow from the Town Pool is assumed to have occurred during periods of discharge over the weir observed during weekly monitoring episodes.

Surface DO concentrations declined after a reduction in river flow during late October and continued to decline until February, after which there was a gradual recovery in surface DO levels punctuated by a sudden reduction in concentrations during April. DO concentrations crashed throughout the water column on or around 11/04/13; this coincided with the excavation of fine sediment in the upstream Burlong Pool and a noticeable increase in turbidity within the Northam Pool. Prior to the disturbance of sediments in Burlong Pool, DO concentrations in surface and mid-depth waters (1 m below natural surface) appeared to be recovering as a result of increased flow from the upstream Avon River (refer Figure 7).

Outside of this April anomaly, surface DO concentrations appeared to remain relatively healthy (above 5.0 mg/L) for much of the monitoring period, with the exception of the period during February 2013.

Mid-water column DO levels (1–1.5 m below water surface) displayed a greater variation between sites than did surface waters. DO concentrations in the mid-water column declined very rapidly after the reduction in river flow during October and remained low from January through April, when recovery of DO concentrations began, albeit slowly. DO concentration within the mid-water column did not completely recover until after June, when the river once again entered the main winter flow period.

Benthic DO concentrations typically remained hypoxic (less than 2.0 mg/L) throughout the monitoring period, with occasional brief recovery during periods of moderate–high flow in the Avon River. Increased benthic DO concentrations appeared to occur only during periods where there was sufficient flow turbulence to turn over benthic waters. Benthic DO concentrations tended to decline immediately higher flow conditions ceased, indicating a very high oxygen demand within benthic sediments.

During periods of minor runoff, as occurred during the period Nov 2012 – Jan 2013, discrete episodes of inflow were typically followed by a rapid regression in DO throughout the water column, then by a recovery. This indicates localised inflows contain high BOD associated with organic matter in inflow waters. Relatively high BOD levels were recorded in the Northam Town Pool in early April coinciding with a significant rainfall event in late March (refer Table 2, Table 3 &

Table 4), supporting the notion that inflows to the Town Pool typically contain high BOD.

Periods of more concerted runoff, particularly when there is outflow from the Northam Town Pool, are generally associated with an increase in DO levels within the pool, potentially due to oxygenation of upstream river flows.

After river flow ceased, DO concentrations appeared to decline rapidly as available oxygen was consumed from the water column driven by interaction with pool benthic sediments. Surface layers display more resilience, with higher DO concentrations probably a reflection of an algal population. The deeper parts of the water column typically suffer from hypoxic DO concentrations (tending to anoxic at depth), suggesting that DO in the pool is ultimately driven by benthic consumption of oxygen, probably exacerbated by turnover of algal population within the water column.

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Figure 6. Recorded DO results – Northam Pool

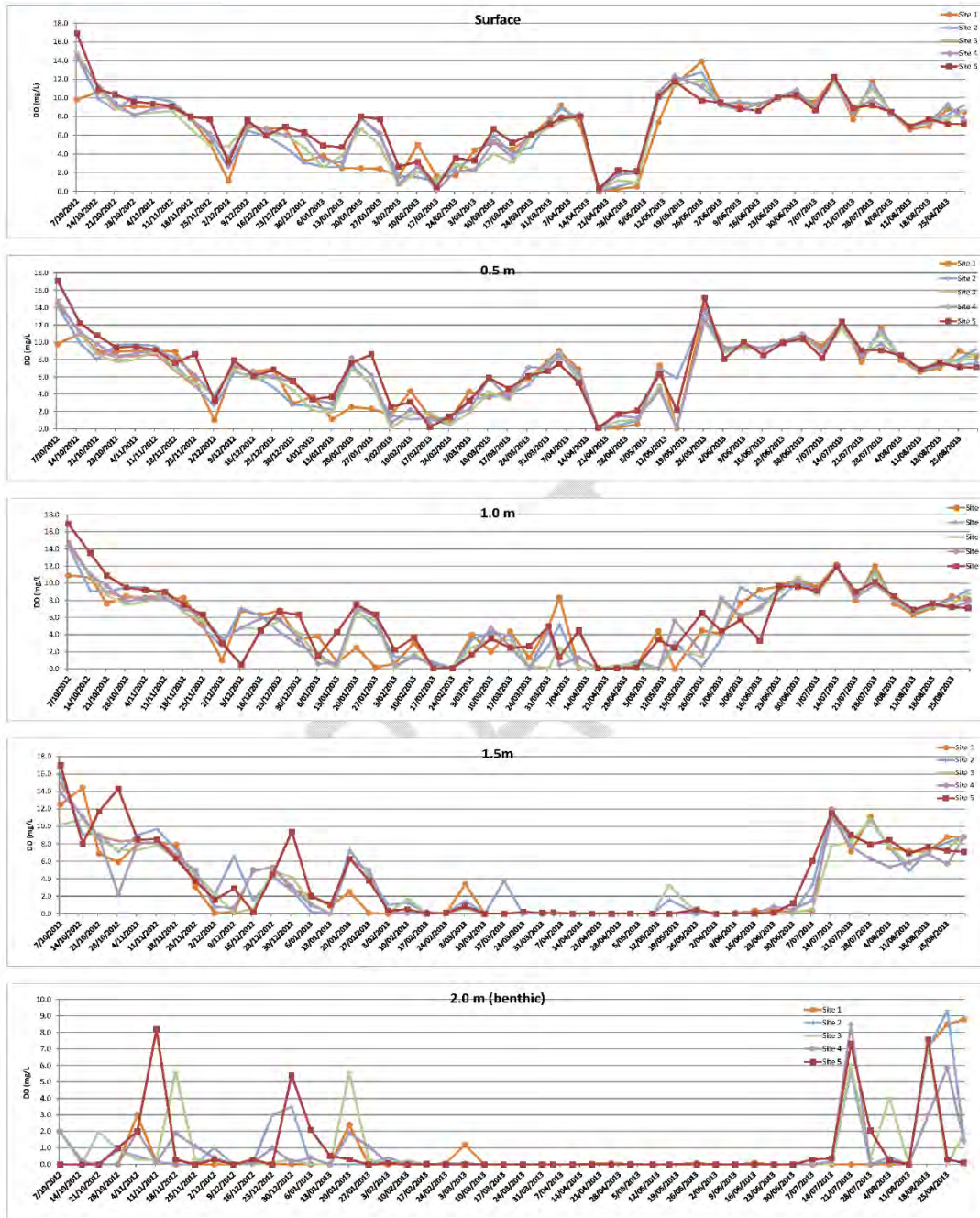
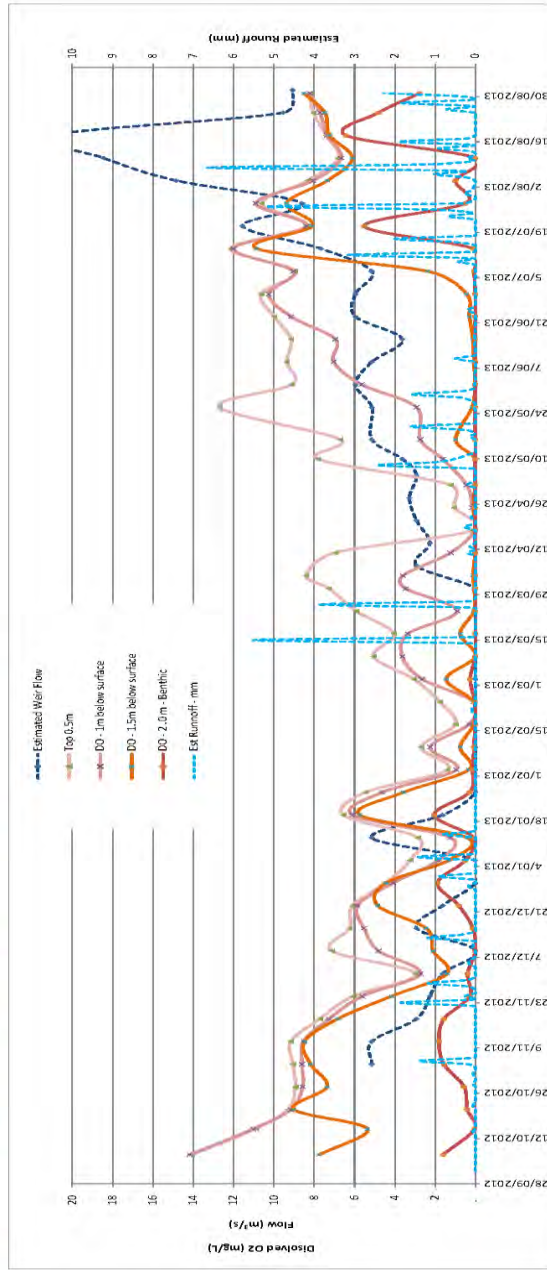


Figure 7. . Average dissolved oxygen (sites 1-5) and estimated runoff and Avon River flow



4.4.1 DO and temperature

The relationship between DO concentration and temperature provides insight into the different phases and associated water quality within the Northam Town Pool.

The identified phases include:

- *Moderate flow – spring: 07/10/12 – 15/10/12*
- *Low flow period – late spring to early summer: 21/10/12 – 27/01/2013*
- *No flow – Summer: 3/02/13 – 31/03/13*
- *First season flow (prior to Burlong Pool disturbance) – Autumn: 4/04/13 – 11/04/13*
- *Low flow – autumn to early winter: 17/04/13 – 7/07/13*
- *Moderate to high flow – winter: 12/07/13 – 31/08/13.*

Plotting of DO against temperature highlights distinct relationships for each of the above-mentioned phases (refer Figure 8, Figure 9, Figure 10).

The analysis illustrates changes to the DO–temperature relationship during the period of monitoring. There is an overall reduction in the concentration of DO within the water column immediately following the change from moderate to low flows in October 2012, followed by a further reduction in DO concentrations after the cease-to-flow in January 2013. DO concentration within the water column appear to recover briefly during autumn flows in April, followed by a dramatic reduction in DO coinciding with disturbance of sediments within the upstream Burlong Pool.

There is some evidence that the DO–temperature relationship within the Northam Town Pool changed after April 2013. Prior to the disturbance in Burlong Pool, the DO–temperature relationship appears to return to that which existed between October 2012 and January 2013, but after the April disturbance the DO – temperature relationship changed throughout the water column (refer Figure 8, Figure 9, Figure 10)

Whether this is a reflection of a significant increase in oxygen demand within the Northam Town Pool or purely a reflection of how the pool functions during lower temperature conditions at the start of winter is unclear. The distinct change and apparent slow recovery in the DO–temperature relationship after April suggests there are lingering effects on DO concentrations within the Northam Town Pool following the disturbance of sediments within the upstream Burlong Pool.

Additional monitoring is recommended to assess the DO–temperature relationship during the remainder of the flow period in 2013, particularly as water temperature increases during spring and early summer.

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Figure 8. Relationship between DO and temperature – surface water, Northam Town Pool

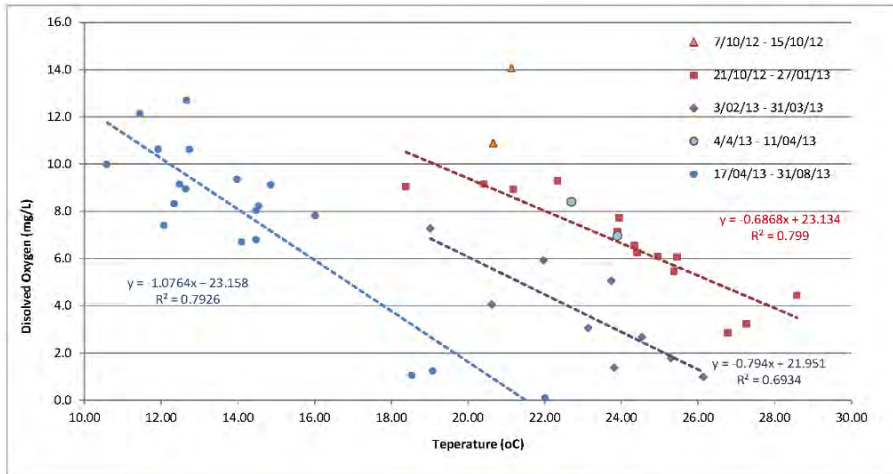


Figure 9. Relationship between DO and temperature – 1m below natural surface, Northam Town Pool

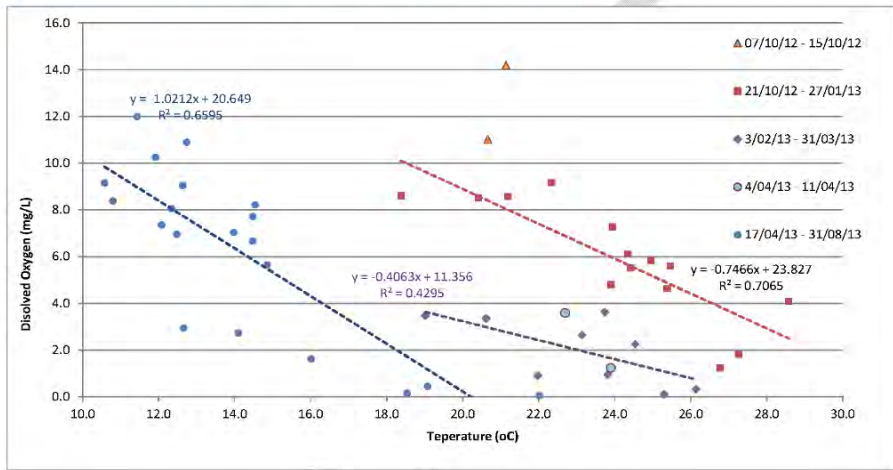
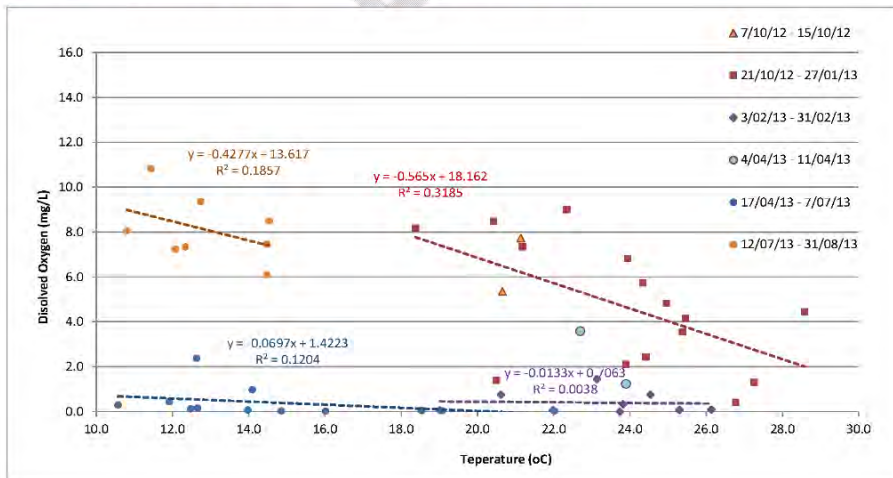


Figure 10. Relationship between DO and temperature – 1.5m below natural surface, Northam Town Pool



4.5 Nutrients – water column

Surface and benthic water samples were collected from three sites (sites 1, 3 and 5 – refer Figure 1) within the Northam Town Pool over a three-week period. Samples were assessed for nitrogen and phosphorus concentration and BOD. Sampling was undertaken to provide an indication of the distribution of nutrient concentrations within the water column of the Town Pool. Data is presented in Table 2, Table 3 & Table 4.

Table 2. Nutrient monitoring results, Northam Town Pool - Site 1

	28/03/2013		4/04/2013		11/04/2013	
	Surface	Bottom	Surface	Bottom	Surface	Bottom
DO (mg/L)	7.8	<0.1	9.2	<0.1	7.2	<0.06
NOx (mg/L)	<0.02	<0.02	<0.01	<0.01	<0.01	<0.01
TKN (mg/L)	2.6	6.8	3	6.3	3	11.8
TN (mg/L)	2.6	6.8	3	6.3	3	11.8
TP (mg/L)	0.06	0.18	0.06	0.2	0.12	0.64
BOD (mg/L)	>2		13		11	
TN/TP Ratio	43.3	37.8	50.0	31.5	25.0	18.4

Table 3. Nutrient monitoring results, Northam Town Pool - Site 3

	28/03/2013		4/04/2013		11/04/2013	
	Surface	Bottom	Surface	Bottom	Surface	Bottom
DO (mg/L)	6.3	0.0	7.4	<0.06	8.0	<0.1
NOx (mg/L)	<0.02	<0.02	<0.01	<0.01	<0.01	<0.01
TKN (mg/L)	2.6	2.6	3.1	4	2.8	4
TN (mg/L)	2.6	2.6	3.1	4	2.8	4
TP (mg/L)	0.07	0.06	0.08	0.1	0.09	0.15
BOD (mg/L)	>2		4		6	
TN/TP Ratio	37.1	43.3	38.8	40.0	31.1	26.7

Table 4. Nutrient monitoring results, Northam Town Pool - Site 5

	28/03/2013		4/04/2013		11/04/2013	
	Surface	Bottom	Surface	Bottom	Surface	Bottom
DO (mg/L)	7.2	<0.01	7.8	<0.2	8.0	0.0
NOx (mg/L)	<0.02	<0.02	<0.01	<0.01	<0.01	<0.01
TKN (mg/L)	3.4	4.2	3.3	3.2	2.6	2.8
TN (mg/L)	3.4	4.2	3.3	3.2	2.6	2.8
TP (mg/L)	0.07	0.1	0.09	0.08	0.92	0.15
BOD (mg/L)	>2		7		9	
TN/TP Ratio	48.6	42.0	36.7	40.0	2.8	18.7

Nitrogen concentrations within the water column were relatively high throughout, typically in the order of 2.6–4.2 mg/L, with the exception of Site 1 benthic samples (adjacent to the Northam Weir) collected during April, where TN was recorded at 6.3–11.8 mg/L.

It is unclear why benthic samples from Site 1 were significantly higher in nitrogen than other samples. Previous monitoring of stormwater discharge from the Northam Townsite has indicated large variations in nutrient concentrations (Giraud 2012), which may be reflective of this sample, although runoff modelling indicates little or no runoff occurred immediately prior to sample collection. Additional sampling may provide clarity.

Monitoring undertaken by the Department of Water from 2004 to 2011 during the flow period indicates that 99% of samples contained less than 5.0 mg of nitrogen per litre and 90% less than 2.5 mg/L (refer Figure 11).

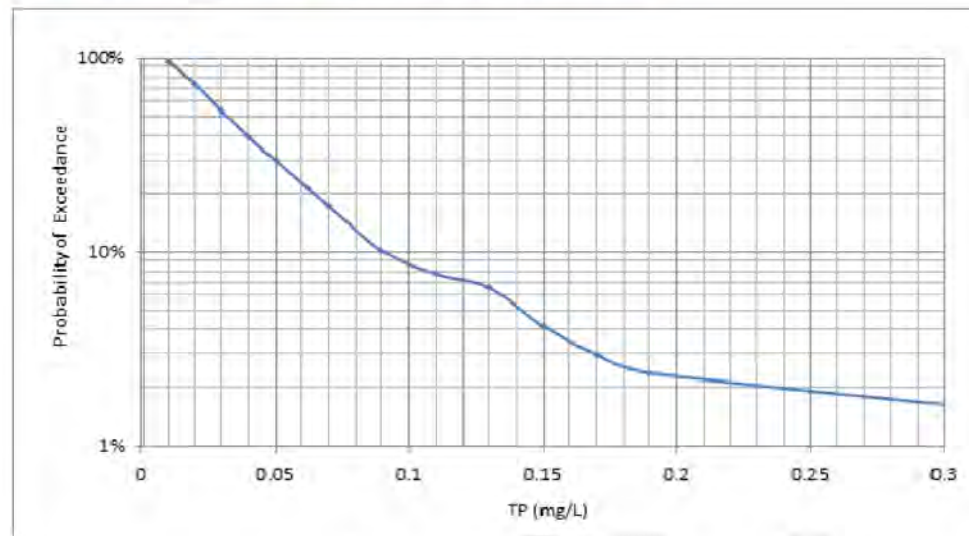
Figure 11. Probability of exceedance – TN Northam Town Pool (DoW monitoring)



The analysis indicates that TN and TKN concentrations are virtually identical, suggesting that the vast majority of the nitrogen contained within the pool exists in organic form (refer Table 2, Table 3 & Table 4).

TP concentrations in samples were typically below 0.1 mg/L (Table 2, Table 3). This is consistent with DoW monitoring (2004–2011); 90% of samples had a TP concentration of less than 0.09 mg/L (refer Figure 12).

Figure 12. Probability of exceedance – TN Northam Town Pool (DoW monitoring)



A benthic sample collected from Site 1 (11/04/2013) indicated high concentrations of TP near the Northam Weir, which is inconsistent with other samples collected. Other than this single sample, analysis did not indicate a significant increase in TP in benthic samples when compared to surface samples, even during anoxic benthic conditions.

The relatively high N:P ratio – typically greater than 30:1 – suggests that TP is the limiting factor for biological production within the Northam Town Pool and is likely to be the factor limiting algal production in the pool.

4.6 Sediment samples

Sediment samples were collected and analysed for nutrient concentrations from three sites within the Northam Town Pool during March and April 2013 (refer Table 5, Table 6, Table 7). Additional sediment samples were collected from the Town Pool and from the Swan Enclosure for analysis of various sediment properties, including nutrients, organic carbon content and contaminants in June 2013 (refer Table 8, Table 9, Table 12 & Table 13).

Table 5. Sediment nutrient analysis, Northam Town Pool – Site 1

	Units	LOR	SITE 1		
			28/03/2013	04/04/2013	11/04/2013
Moisture Content (dried @ 103°C)	%	1.0	73.2	74.6	71.3
Nitrite + Nitrate as N (Sol.)	mg/kg	0.1	<0.1	<0.1	0.1
TKN as N (Organic N & NHx)	mg/kg	20	2,920	2,970	2,550
Total Nitrogen as N	mg/kg	20	2,920	2,970	2,550
Total Phosphorus as P	mg/kg	2	327	382	267

Table 6. Sediment Nutrient Analysis, Northam Town Pool – Site 3

	Units	LOR	SITE 3		
			28/03/2013	04/04/2013	11/04/2013
Moisture Content (dried @ 103°C)	%	1.0	69.6	70.9	68.8
Nitrite + Nitrate as N (Sol.)	mg/kg	0.1	<0.1	<0.1	<0.1
TKN as N (Organic N & NHx)	mg/kg	20	2,620	2,530	2,340
Total Nitrogen as N	mg/kg	20	2,620	2,530	2,340
Total Phosphorus as P	mg/kg	2	381	332	387

Table 7. Sediment Nutrient Analysis, Northam Town Pool – Site 5

	Units	LOR	SITE 5		
			28/03/2013	04/04/2013	11/04/2013
Moisture Content (dried @ 103°C)	%	1.0	62.3	61.6	70.2
Nitrite + Nitrate as N (Sol.)	mg/kg	0.1	<0.1	<0.1	<0.1
TKN as N (Organic N & NHx)	mg/kg	20	1390	1720	2680
Total Nitrogen as N	mg/kg	20	1390	1720	2680
Total Phosphorus as P	mg/kg	2	216	302	381

Table 8. Sediment nutrient analysis, Northam Town Pool and Swan Enclosure – June 2013

	Units	LOR	SITE 1 POOL	SITE 3 POOL	SITE 5 POOL	SITE 1 Swan Enclosure	SITE 3 Swan Enclosure
Ammonia as N	mg/kg	20	150	40	170	30	<20
Nitrite + Nitrate as N (Sol.)	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
TKN as N	mg/kg	0.1	1940	670	1480	620	540
Total Nitrogen as N	mg/kg	20	1940	670	1480	620	540
Total Phosphorus as P	mg/kg	2	266	96	275	225	79
Total Organic Carbon	%	0.02	2.82	2.30	2.22	2.72	3.09
Total Carbon	%	0.02	2.92	2.35	2.32	2.88	3.09
Total Inorganic Carbon	%	0.02	0.10	0.05	0.10	0.16	<0.02
Est. C:N ratio			15	35	16	46	57

Sediment nutrient analysis indicates moderate organic nitrogen concentrations within the Northam Town Pool sediments, typically in the range 1,500–2,500 mg/kg. The Swan Enclosure exhibited a lower concentration of nitrogen, typically in the order of 600 mg/kg. This is consistent with previous investigation that identified agricultural land as the primary source of nitrogen within the Avon River (WNRM 2011).

N:P sediment ratios in sediments are in the order of 8:1, significantly less than the N:P ratio in the water column, indicating nitrogen loss through denitrification and/or a higher proportion of particulate P precipitating to benthic sediments.

Phosphorus concentrations in sediments within the Northam Town Pool range between 220–380 mg/kg so are considered low to moderate, in keeping with recorded TP concentrations within the water column.

Analysis of metal concentration of sediments in the Town Pool and Swan Enclosure indicate high concentration of iron and aluminium. Relatively low TP concentrations within the water column suggest a slow accumulation of phosphorus within sediments. It is possible that, due to slow accumulation of TP in sediments and high concentrations of Fe and Al (refer Table 9), much of the TP contained within the sediments is bound to clay particles. This may explain why nutrient testing of the water column in April 2013 indicated relatively low benthic TP concentrations, even during anoxic conditions in benthic waters.

The high concentrations of TP and TN within the lower water column recorded at Site 1 (adjacent to the Northam Weir) in April 2013 are not associated with a higher concentration of nutrients in benthic sediments. Analysis of sediment samples displayed limited variation across all three sites sampled within the Northam Town Pool.

High C:N ratios tend to indicate that a relatively high proportion of the organic carbon contained within sediments has originated from inflow to the Town Pool and Swan Enclosure and that rates of decomposition are low. This is reflected by the relatively high concentrations of BOD associated with inflow events and anoxic conditions in benthic waters.

Table 9. Metal concentration in sediments – Northam Town Pool and Swan Enclosure – June 2013.

Metal by ICP-AES (mg/kg)	LOR (mg/kg)	SITE 1 POOL	SITE 3 POOL	SITE 5 POOL	SITE 1 SWAN	SITE 3 SWAN
Aluminium	50	14,500	5,010	14,000	2,170	2,390
Cobalt	2	10	3	8	<2	2
Iron	50	26,400	8,690	23,900	5,520	7,440
Molybdenum	2	<2	<2	<2	<2	<2
Selenium	5	<5	<5	<5	<5	<5
Silver	2	<2	<2	<2	<2	<2
Magnesium	50	7,830	2,810	6,540	880	1,020
Arsenic	5	<5	<5	<5	<5	<5
Cadmium	1	<1	<1	<1	<1	<1
Chromium	2	38	15	31	38	55
Copper	5	22	7	18	12	10
Lead	5	33	10	29	28	27
Nickel	2	11	3	9	4	4
Zinc	5	34	13	23	140	126

The mineralogy of sediments from the Northam Town Pool is different from that of sediments from the Swan Enclosure. In particular Fe, Al and Mg concentrations in Town Pool sediments were 3, 5 and 6 times higher (respectively) than those from the Swan Enclosure, reflective of the fine nature of sediments contained within the Town Pool.

Zinc concentrations from sediments in Swan Enclosure were approximately 5.7 times higher than in the Town Pool sediments, indicating precipitation of zinc-rich sediment (potentially from older-style corrugated iron roofs) in the town centre catchment discharging to the Swan Enclosure. Elevated zinc concentrations have previously been identified in stormwater from Avon Arc Towns (WNRM 2011).

4.7 Acid Sulphate Soils (ASS)

Previous excavation of sediments from the Northam Town Pool resulted in sediments becoming acidic once oxidised. Field testing was undertaken to detect Potential Acid Sulphate Soils (PASS) and the potential for development of ASS in excavated sediments (refer Table 10). Laboratory testing for PASS was also undertaken for 3 sites in the Northam Town Pool and a single site in the Swan Enclosure (refer Table 11).

The analysis suggests that sediments are neutral to slightly alkaline in situ, but excavated sediments would become strongly acidic once oxidised (refer Table 10 & Table 11).

Table 10. Field PASS results – Town Pool and Swan Enclosure

SITE	FIELD ASS - pH	PASS - REACTION
POOL SITE 1	8.45	2
POOL SITE 2	7.98	3
POOL SITE 3	8.47	4
POOL SITE 4	8.25	5
POOL SITE 5	7.91	4
SWAN SITE 1	7.67	2
SWAN SITE 2	7.10	5
SWAN SITE 3	8.54	5

PASS reaction – 1=no reaction, 5=strong reaction (test tube overflowed)

Table 11. Sediment acidity analysis – Northam Town Pool & Swan Enclosure

	SITE 1 POOL	SITE 3 POOL	SITE 5 POOL	SITE 2 SWAN
pH KCl (23A)	8.2	8.1	8.1	7.4
pH OX (23B)	3.8	3.3	3.1	2.4

5 Discussion

The analysis undertaken indicates the following underlying drivers impacting water quality within the Northam Town Pool.

- *DO concentrations within the Northam Town Pool decline rapidly after the cease-to-flow within the Avon River, with the reduction in DO concentrations driven largely by interaction with organic-rich sediment.*
- *Surface DO concentrations appear reasonably resilient, probably due to algal production, wind action and interaction with the atmosphere.*
- *Local stormwater inflow leads to increased BOD within the Town Pool, triggering a rapid reduction in DO concentration within the water column.*
- *TP is the limiting factor influencing biological production.*
- *Release of phosphorus from sediments appears to be muted, probably due to high sorption capacity of clay sediments, slow accumulation rates and high concentrations of Al and Fe within sediments.*
- *High organic nitrogen and carbon content of sediments and high TN levels within the water column are likely to interact, driving a decline in water quality within the Town Pool.*
- *Sediments have potential to develop ASS, and excavated sediments will need to be treated for acidity.*

Previous studies have suggested the following options for managing water quality within the Town Pool:

- *Increasing water level within the Town Pool during summer to dilute nutrient concentrations*
- *Binding of phosphorus*
- *Artificial oxygenation*
- *Dredging of sediments*
- *Harvesting of Aquatic plants and macro algae*
- *Scouring.*

Each issue is discussed below with consideration of the new information presented in this report.

5.1 Increased water level

Previous studies identified the option of 'topping up' the water level of the Town Pool during summer and autumn (GHD 2012), based on the assumption that the key driver impacting water quality in the pool was excessive nutrient levels. Recent analysis confirms that nutrient concentrations within the water column are not the key driver impacting water quality in the Town Pool. Rapid deoxygenation of the water column appears to be driven by interaction with organic-rich sediments. Topping up the Town Pool in summer and autumn to dilute nutrient concentrations is unlikely to provide significant water quality benefits.

Previous investigations have highlighted a range of management issues limiting the application of this option, including difficulty sourcing a suitable volume of appropriate quality water and potential

negative impacts associated with increased groundwater seepage from the pool during summer and autumn (Giraud 2013a).

5.2 Harvesting of Aquatic Weed and Filamentous Algae

Physical removal of aquatic weed and/or filamentous algae will likely reduce the rate of accumulation of organic matter within the pool sediments, but it won't reduce the organic matter (monosulfidic black ooze) already present within the sediment. The organic rich sediment is the primary cause of the oxygen depletion within the water column of the pool and the cause of the subsequent production of the offensive smelling sulphur dioxide. Harvesting of aquatic weeds and filamentous algae will reduce the overall organic matter within the pool, but will not address the source of the problem nor will it stop the production of hydrogen sulphide.

Phosphorous is the limiting factor for algae production in the Town Pool. Most of the TP in the sediment appears bound to sediment (and therefore not bio-available) – with relatively low concentration of TP evident within the water column during the majority of the monitoring period. Spikes in TP in the pool have previously been observed, with the source of TP unknown, but most likely from fertiliser application in the urban catchment of Northam, or to land adjacent to the river or tributaries upstream. Sediment removal, either by bacterial decomposition and/or dredging, will likely reduce the incidence of algal blooms, but the high TN concentrations in base flows from upstream and occasional spikes in TP may result in infrequent algal blooms.

5.3 Binding phosphorus

Binding of phosphorus through the capping of sediments with a phosphorus binding agent such as Phoslock™ or an equivalent product has previously been discussed (Giraud 2013a). In theory, further reducing phosphorus will result in reduced algal growth within the pool, as phosphorus is the limiting factor for production. However, monitoring of water quality and sediments in 2013 indicates that most of the phosphorus contained within the sediment is already bound and unlikely to contribute significantly to the available phosphorus within the water column.

Furthermore, analysis of bathometric surveys undertaken in 1993, 1994, 2000 and 2011 has confirmed that sediments within the town pool are relatively dynamic and souring of the pool and re-suspension of sediments occurs during significant flow events within the river (Giraud 2013b). Phosphorous binding agents are not recommended in situations where resuspending of sediment, or where significant additional sediment loads are likely.

How addition of a phosphorus binding agent will influence DO levels within the pool is unclear, as algal production does appear to contribute to the resilience of the upper water column, but must also add organic matter to sediments. The presence of algae also results in reductions in DO during the night through respiration, and decaying algae may also contribute to hypoxic and anoxic conditions experienced in benthic waters. Phosphorus binding agents can also independently increase toxicity in aquatic environments. Caution should be given to the application of phosphorus binding agents, particularly in bodies of water with low filterable reactive phosphorus within the water column.

Further binding of phosphorus in sediments within the Town Pool will be unlikely to impact the rapid decline in DO concentrations driven by the organic-rich benthic sediments.

Application of a phosphorus binding agent is not recommended.

5.4 Artificial oxygenation

Artificial oxygenation will theoretically alleviate hypoxic and anoxic conditions, thereby improving water quality within the Northam Town Pool. However, oxygen needs to be delivered to benthic waters over a large area of the Town Pool, potentially throughout the low-flow and cease-to-flow period. The shallow water of the pool (<1.5 m in most parts) and high temperatures during summer and autumn present significant challenges to achieving effective external oxygenation of benthic waters.

Three options exist for oxygenating water within the Town Pool:

1. **Water fountain:** This option draws water from the benthic layers (near the sediments) and lifts it above the water surface, allowing it to cascade back to the water surface via a fountain. Water becomes oxygenated through passive diffusion with the atmosphere. This method is not particularly efficient in oxygenating water, but is less expensive than other methods and will encourage circulation within the water column. This circulation will draw oxygenated water from the upper water column toward the benthic layers, potentially improving water quality at depth. However, the risk with this option is that the BOD within benthic layers will outweigh the oxygenation rate of the water fountain, resulting in an overall reduction of oxygen within the water column.
2. **Pump air into benthic layers:** The efficiency of this method of oxygenating lower waters is typically improved through adoption of diffusers, which create many tiny bubbles that increase the surface area to volume ratio of the injected air bubbles. However, shallow waters (<2 m) generally contain insufficient pressure to cause oxygen to effectively dissolve into the surrounding water, and bubbles simply rise to the surface, escaping the water column.
3. **Oxygenating plant:** Water is drawn from benthic layers into an oxygenation plant located near the river pool. Oxygen contained in tanks is injected into the water under pressure to supersaturate it. This highly oxygenated water is reintroduced to benthic layers to mix with hypoxic/anoxic water. This technique is called side stream saturation. However, in shallow warm water (<2 m), as exists in the Town Pool, the low pressure and oxygen-holding capacity of the surrounding water will cause the dissolved oxygen to simply come out of solution and bubble to the surface.

The Swan River Trust (SRT) has successfully delivered artificial oxygen to the Swan and Canning Rivers to improve oxygen concentrations in the water column. The oxygenation plants on the Canning River, which oxygenate a weir pool which is mostly fresh apart from some periodic tidal incursions, have operated since 1998. In the Swan Canning estuary, deeper holes (3–4 m deep) are used as the primary sites for reinjection of oxygenated water back into the water column to improve oxygenation efficiency.

For oxygenation of waters to be effective in the Northam Town Pool, dredging of sediments will almost certainly be required. However, in this instance it is considered the oxygenation of benthic water is not particle.

5.5 Aerobic digestion of organic sediment

Dosing of water bodies with bacteria in association with peroxide compounds to stimulate rapid digestion of organic sediments and associated contaminants is a relatively new innovation in

sediment management. The conditions that prevail in the Northam Town Pool may be suitable for application of this management option.

Dosing wetland sediments with high concentrations of the right spectrum of bacteria, whilst providing suitable aerobic conditions within the wetland, has been shown to result in effective bacterial decomposition of organic sediments, in aquatic environments containing organic rich sediments.

Aerobic digestion by bacteria has an extremely high oxygen demand. Under aerobic conditions, bacteria rapidly consume organic matter and convert it into carbon dioxide. Once there is a lack of organic matter, bacteria die and are in turn consumed by other bacteria. Aerobic digestion occurs at very high rates in the presence of large supplies of organic matter and oxygen, and can also be effective in removing nutrients and other contaminants from the water column and associated sediments.

Commercial products use a combination of high numbers of bacteria and associated compounds to release sodium carbonate peroxyhydrate, a solid form of hydrogen peroxide, and calcium peroxide. Reduction of peroxide results in the release of fine oxygen bubbles that disperses the oxygen into the water column, allowing bacteria to flourish and consume available organic matter.

This process may have application in the Northam Town Pool, because organic rich sediments are the primary cause of negative environmental and aesthetic attributes of the pool. Dredging of sediments from the Town Pool will reduce sediment load. However, the sheer volume of sediment within the Town Pool means that even in the event of dredging, there is likely to be significant organic material remaining in un-dredged sediments. Complete removal of sediments will require removal, treatment and disposal of 120,000m³ of sediment, and will result in removal of islands from the Town Pool which have formed over decades since the river training scheme.

Available commercial products have found applications in wastewater treatment ponds and commercial applications where there is a relative small volume of sediment and very high concentrations of organic contaminants. There are limited examples of where this product has been used in large open water bodies and river pools. As a trial, it is recommended that an available commercial product be tested in the Swan Enclosure to better assess its likely performance in the Northam Town Pool. Sediment analysis indicates that the sediment properties of the Swan Enclosure are similar to that which occurs in the Town Pool, albeit with lower organic nitrogen concentration.

Even if aerobic digestion of organic sediments proves successful in removing existing organic sediment contained within the Town Pool, strategies need be adopted to reduce future accumulation of organic sediment in the pool. Channelisation of the pool, the further development of islands and the construction of a variable crest weir are considered the most effective control mechanisms for future accumulation of sediment within the Town Pool.

5.6 Dredging

Dredging of sediments has previously been identified as an effective tool for improving water quality within the Northam Town Pool (Guthridge Haskins & Davey 1992, Waterways Commission 1995, GHD 2011, Giraud 2013a). More recent investigation outlined in this report reinforces the premise that dredging of sediments is likely to achieve positive water quality outcomes in the Town Pool, at least in the short–medium term, because it removes the primary source of the problem – organic-rich sediments. However, a range of potential risks are associated with dredging, including:

- *Excavated sediments will rapidly oxidise, become acidic and will need to be treated with a neutralising substance such as lime at the time of excavation.*
- *Disturbance of sediments will result in immediate anoxia of the entire Northam Town Pool, resulting in purging of the local ecosystem. This is likely to create short-term impacts on the ecosystem of the Town Pool.*
- *Disturbance of organic-rich, eutrophic sediments within the pool presents a significant hazard to downstream environments. Care must be taken to minimise the risk to downstream ecosystems.*
- *Organic content contained within inflow waters to the Town Pool have a high BOD which is likely to impact water quality, particularly during summer and autumn. In time, organic-rich sediments are likely to return to the Town Pool. As a result, hypoxic and anoxic conditions may remain even after removal of sediments, albeit with reduced severity.*

These environmental risks could be avoided, or significantly reduced, in the event of successful aerobic digestion of organic sediment load prior to dredging (see section above).

It is important to recognise that if dredging alone is adopted, then Town Pool is likely to remain an algal-driven system during summer and autumn. Whilst it is likely that the environmental and aesthetic values of the Northam Town Pool would be improved as a result of dredging, hypoxic and anoxic conditions may persist, unless organic matter from the remaining sediment can be removed.

GHD (1992) and Waterways Commission (1995) reported that dredging of the Northam Town Pool occurred in 1914, 1952/53, 1954/56 (~36,000 m³), and 1975 and 2000 (partial excavation). DoW (2007) reported that approximately 50,000 m³ of sediment was removed from the main channel of the Town Pool in 2000 (between The Northam Weir and the Newcastle St Bridge) and stockpiled off-site on Island Farm.

The volume of sediment currently contained within the Northam Town Pool was estimated during a sediment assessment undertaken in December 2013. A detailed assessment of the sediment load and rate of accumulation of sediment within the Northam Town Pool is presented in Giraudo 2013b. It is estimated that the total sediment load within the Town Pool was approximately 120,000m³ in 2011 and that the annual rate of sediment accumulation is in the order of 2,500 – 3,000m³/year.

If dredging is undertaken without aerobic digestion of organic matter then the potential acidity associated with sediments means that removed sediments would need to be neutralised. Sediment analysis indicates that the lime neutralising rate required to neutralise acidic sediments after oxidation is approximately 50 kg CaCO₃/t (refer Table 10 & Table 14).

Golder Associates P/L's analysis of Town Pool sediments prior to excavation in 2000 indicates a high proportion of silt and clay. Further sediment analysis undertaken in December 2013 indicates that removed sediment is unlikely to have any commercial value, unless it can be mixed with other material near to site.

If aerobic digestion of organic sediment is undertaken prior to dredging, then the volume of sediment to be removed could be significantly reduced to approximately 30,000 m³. This is because excavation of sediment could be restricted to a channel on the western edge of the pool to encourage more natural river pool morphology, rather than attempting to remove the entire sediment load from the pool.

Future accumulation of organic rich sediments in the Town Pool will occur unless significant changes to catchment conditions are undertaken, which will be extremely difficult to achieve. As a result the future management of sediment within the Town Pool will need to be addressed. The establishment of a variable crest weir in association with the channel dredging, is the recommended option to facilitate additional scouring within the pool to assist in reducing future accumulation of sediment.

5.7 Variable Crest Weir

Hydraulic modelling indicates that the construction of a 30m (span) variable crest weir would provide flow conditions suitable for a significantly increasing the frequency of scour events in the Northam Town Pool. The operation of the weir could be undertaken in such a manner as to greatly reduce the rate of future accumulation of sediments in the Town Pool (Giraudu 2014). The width of the existing fixed crest weir is 130m.

The hydraulic assessment presented in Giraudu 2014 shows that the existing fixed crest weir in the Northam Town Pool has the effect of reducing flow velocities of river flows in the Town Pool by 0.4 – 0.6 m/s, for flow < 250 m³/s. The effect of this flow reduction is to significantly reduce the frequency of scouring events in the Town Pool.

Scouring flow events the Town Pool have previously provided a moderate impact on sediment accumulation in the pool, with re-suspension of sediment estimated at approximately 15% and 30% of total sediments deposited in the Town Pool between 1983 and 2000 (Giraudu 2013b). Re-suspension of sediment appears to occur at flows exceed in 100 m³/s, resulting in average flow velocity within the Town Pool of approximately 0.5m/s (Giraudu 2014).

Changing flow conditions within the Avon River have resulted in flows exceeding 50m³/s occurring only on rare occasions since 2000. Climate change predictions for the Southwest of Western Australia suggest that the frequency of moderate - large flows in the Avon River is likely to reduce rather than increase in the coming decades (IOCI 2013, Giraudu 2014).

Management of sediment accumulation within the Town Pool through regular scouring of sediments will require reducing the scour-flow threshold from the existing 100m³/s to 20 – 30 m³/s. Hydraulic analysis indicates that the desired flow conditions could be achieved in the Town Pool by modifying the current fixed crest weir to include a 30m gated section, where the crest of the weir could be varied to mimic more natural flow conditions during low – moderate flows (Giraudu 2014).

Additional investigation would be required to support the design of the weir (modification), including the development of appropriate operating guidelines. But it is envisaged that there would be no change to summer operating level of the modified weir. The weir level of the gated section would only be reduced during target flow periods to encourage sufficient scouring of sediments to reduce the rate of accumulation of sediments within the pool.

The impact on the Northam Town Pool of disturbing sediments within the upstream Burlong Pool observed during 2013 indicates that the release of sediments from the Town Pool could significantly impact downstream aquatic environments. The existing sediment load in the Town Pool would need to be removed (or neutralised) to overcome the potential negative downstream impacts arising from discharge of the existing high sediment load within the Town Pool.

It is considered that in conjunction with other management responses, including aerobic digestion and dredging of sediment, construction of a variable crest weir is likely to be important to the longer-term management of the pool and protecting downstream environments.

5.7.1 Approvals

The **Water Corporation** have previously indicated their resistance to works which may impact the wastewater pipe spanning the river contained within the embankment of the Northam weir. Negotiations with Water Corporation to modify or relocate the wastewater main would need to be undertaken during the design phase to either replace or modify the Northam Weir. There are considerable potential cost implications associated with relocating or modifying the wastewater main. However, Water Corporation have no easement over the Northam Weir, and there is no formal application process in place.

Application to the **Department Water** to '*Interfere with beds and banks of a prescribed watercourse*' under the *Rights and Water Irrigation Act 1914*, would need to be undertaken prior to any alterations to the weir. The purpose of the application is to allow the Department of Water to assess the potential impact of the proposed works on the flow regime and stability or ecology of the section of the river being impacted, and other potential downstream impacts. In particular, the permit is intended to protect the local ecology and integrity of the watercourse.

The application will need to identify the proposed works, risks to the local river environment and risk minimisation and management strategies identified to minimise impacts to the local and downstream environments.

The Department of Water may refer the application to relevant third parties.

In this instance it would need to be demonstrated that the alterations to the weir would not result in degradation of the immediate area of the weir, or increase the risk of downstream impacts. Of key concern will likely be the management of the current sediment load contained within the Northam Town Pool.

The Avon River is a site of significance to the Aboriginal people. Damage or alteration to an Aboriginal site without prior consent for the **Minister for Aboriginal Affairs** is an offence. Where damage or alteration of a site is unavoidable, as would be the case in altering the Northam Weir, then consent can be sought under Section 18 of the Aboriginal Heritage Act of 1972.

Application for a Section 18 approval to alter the site would require:

- *Seeking advice from the Department of Aboriginal Affairs.*
- *Consultation with local indigenous community including relevant aboriginal people, groups and organisations.*
- *An assessment of the likely impact on Aboriginal heritage of the site.*
- *Identification of actions and management responses to minimise impacts to the site, in particular in relations to Aboriginal heritage values.*

Preliminary design would need to be undertaken prior to lodgement of the Section 18, and including an assessment of whether to modify the existing weir or replace the weir. It should be noted that the only alternative to the current location of the weir would be immediately upstream or immediately downstream of its current location, both of which have moderate – high level of previous site disturbance.

5.8 Floating Islands

Floating islands have also been considered as potential future management option, albeit not reported in previous publications. There are currently two small floating islands in the Town Pool, which appear to be growing well.

Floating islands provide a range of potential benefits, including reduced nutrients, reduced algal growth, decreased temperatures through shading and improved oxygenation. Although floating islands have been shown to be very effective in some applications, they appear most effective in water bodies with high nutrient concentrations where a large proportion of the water body can be brought in contact with the microbial mats formed within the underlying root mass – either in a narrow channel or near to a stormwater inflow where nutrient rich inflow waters can be contained and brought in contact with the roots of the floating island for a reasonable period of time.

In the case of the Northam Town Pool, there are low nutrient concentrations and a large wide open water body. These conditions are likely to limit the effectiveness of floating islands. Although floating islands will theoretically increase O₂ levels in the water column, this is likely to be primarily in surface water. This is unlikely to improve oxygen concentrations in benthic layers where low DO levels are driven by BOD of the underlying sediment.

Reliable cost estimate for the construction of floating islands are difficult to obtain, and suppliers are typically unwilling to provide cost estimates because there are so many variables to consider and there are limited large scale examples to assess their effectiveness. Having said that, they are generally considered relatively expensive, and given the conditions within the Northam Town Pool, a relatively large area of islands may be required.

On the basis of the current available information, it is considered that whilst floating islands may form part of the solution to the future management of the Town Pool, they are not considered a priority action at this time.

6 Conclusion

Water quality problems within the Northam Town Pool appear to be systemic and are caused by the existence of organic-rich sediments causing hypoxic and anoxic conditions with the water column during the period following cease-to-flow in the river. Poor water quality is exacerbated by moderate nutrient levels supporting an algal-dominated ecosystem during summer and autumn. Winter flows lead to higher oxygen levels and lower nutrients within the Northam Town Pool during winter, providing more stable conditions consistent with a macrophyte-dominated ecosystem.

Effective management of water quality within the Northam Town Pool will require a range of strategies, including:

- *Dredging of sediments*
- *Oxygenation of benthic waters*
- *Construction of a variable crest weir.*

6.1 Potential Costs

Preliminary cost estimates are offered below. It should be recognised that these are ball-park costs only, and significant additional information would be required to establish a reasonable cost estimate for recommended actions.

Aerobic digestion of organic sediment

Preliminary cost estimates indicate that the cost of treatment will be in the order of \$5-6/m³ of treated sediment. On the basis of this assessment, it is estimated that treatment of the Town Pool would be in the order of \$600 - 800k.

Dredging of sediments

GHD 2012 estimated that the cost of dredging would be in the order of \$17/m³, based on recent dredging costs within the Avon River. Dredging of the Town Pool undertaken in 2000 was costed at approximately \$300,000 to remove about 50,000 m³ of sediment (~\$7/m³). Assuming 120,000 m³ of sediment, it is estimated that the cost of sediment removal and treatment will be in the order of \$1.8 million (assuming \$15/m³).

However, it is recommended that only a channel on the western side of the Town Pool be excavated, with an estimated excavation volume of 30,000 m³, with an estimated dredging cost of approximately \$450,000.

Oxygenation plant

The experience of the SRT is that the cost of installing an oxygenation plant is likely to be \$1.0–\$1.5 million, with an annual operating cost in the order of \$100k/year (pers. comm., Alex Hams, 2013).

Construction of a variable crest weir

The cost of construction of a variable crest weir will be very much dependent on the type and nature of weir constructed. However, given the location, operating requirements and nature of flows, any effective variable crest weir would certainly be a significant structure. In addition, modification of the Water Corporation wastewater main adjacent to the weir may add significant cost to the overall project. It is considered that the weir is likely to be in the order of \$1-2M, (excluding relocation of wastewater main).

7 Recommendations

It is concluded that effective long term management of the Northam Town Pool will require a combination of actions, including:

- *Facilitated aerobic digestion of organic matter from sediments through treatment with commercially available products.*
- *Dredging of sediments to re-create more natural morphology within the Town Pool.*
- *Construction of a variable crest weir to reduce the rate of sediment accumulation and increase the frequency of scouring events within the town pool.*

Further actions are required to facilitate this project. These actions are intended to provide a better understanding of the scope of works, nature of costs and associated environmental/engineering risks.

Immediate actions:

- *Further (weekly/fortnightly) monitoring of O₂ levels within the Northam Town Pool to add to current understanding of O₂ concentrations and to better assess the impacts of sediment load to the pool during 2013.*
- *Testing of commercially available products to achieve accelerated aerobic digestion of organic matter of organic sediments.*
- *Preliminary analysis of potential variable crest weir including hydraulic modelling to better assess potential benefits of changes to the weir and more detailed assessment of costs and other potential management implication.*

8 References

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Appendix A

Miscellaneous sediment sampling results – Northam Town Pool and Swan Enclosure

DRAFT

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Table 12. Sediment pesticide residues – June 2013

<i>EP068A: Organochlorine Pesticides (OC)</i>				SITE 1 POOL	SITE 3 POOL	SITE 5 POOL	SITE 1 SWAN	SITE 3 SWAN
alpha-BHC	319-84-6	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Hexachlorobenzene (HCB)	118-74-1	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05
beta-BHC	319-85-7	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05
gamma-BHC	58-89-9	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05
delta-BHC	319-86-8	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Heptachlor	76-44-8	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Aldrin	309-00-2	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Heptachlor epoxide	1024-57-3	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Total Chlordane (sum)		mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05
trans-Chlordane	5103-74-2	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05
alpha-Endosulfan	959-98-8	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05
cis-Chlordane	5103-71-9	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Dieldrin	60-57-1	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05
4,4'-DDE	72-55-9	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Endrin	72-20-8	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05
beta-Endosulfan	33213-65-9	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Endosulfan (sum)	115-29-7	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05
4,4'-DDD	72-54-8	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Endrin aldehyde	7421-93-4	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Endosulfan sulfate	1031-07-8	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05
4,4'-DDT	50-29-3	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Endrin ketone	53494-70-5	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Methoxychlor	72-43-5	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Sum of Aldrin + Dieldrin	309-00-2/60-57-1	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Sum of DDD + DDE + DDT		mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05
<i>EP068B: Organophosphorus Pesticides (OP)</i>								
Dichlorvos	62-73-7	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Demeton-S-methyl	919-86-8	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Monocrotophos	6923-22-4	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Dimethoate	60-51-5	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Diazinon	333-41-5	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Chlorpyrifos-methyl	5598-13-0	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Parathion-methyl	298-00-0	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Malathion	121-75-5	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Fenthion	55-38-9	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Chlorpyrifos	2921-88-2	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Parathion	56-38-2	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Pirimphos-ethyl	23505-41-1	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Chlorfenvinphos	470-90-6	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Bromophos-ethyl	4824-78-6	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Fenamphos	22224-92-6	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Prothiofos	34643-46-4	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Ethion	563-12-2	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Carbophenothion	786-19-6	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Azinphos Methyl	86-50-0	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05

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Table 13. Sediment pesticide residues Part 2– June 2013

<i>EP130A: Organophosphorus Pesticides (Ultra-trace)</i>		Unit	LOP	SITE 1 POOL	SITE 5 POOL
Bromophos-ethyl	4824-78-6	µg/kg	10	<10	<10
Carbophenothion	786-19-6	µg/kg	10	<10	<10
Chlorfenvinphos (E)	18708-86-6	µg/kg	10.0	<10.0	<10.0
Chlorfenvinphos (Z)	18708-87-7	µg/kg	10	<10	<10
Chlorpyrifos	2921-88-2	µg/kg	10	<10	<10
Chlorpyrifos-methyl	5598-13-0	µg/kg	10	<10	<10
Demeton-S-methyl	919-86-8	µg/kg	10	<10	<10
Diazinon	333-41-5	µg/kg	10	<10	<10
Dichlorvos	62-73-7	µg/kg	10	<10	<10
Dimethoate	60-51-5	µg/kg	10	<10	<10
Ethion	563-12-2	µg/kg	10	<10	<10
Fenamiphos	22224-92-6	µg/kg	10	<10	<10
Fenthion	55-38-9	µg/kg	10	<10	<10
Malathion	121-75-5	µg/kg	10	<10	<10
Azinphos Methyl	86-50-0	µg/kg	10	<10	<10
Monocrotophos	6923-22-4	µg/kg	10	<10	<10
Parathion	56-38-2	µg/kg	10	<10	<10
Parathion-methyl	298-00-0	µg/kg	10	<10	<10
Pirimphos-ethyl	23505-41-1	µg/kg	10	<10	<10
Prothiofos	34643-46-4	µg/kg	10	<10	<10
<i>EP130S: Organophosphorus Pesticide Surrogate</i>					
DEF	78-48-8	%	0.1	40.1	67.0
<i>EP131A: Organochlorine Pesticides</i>					
Aldrin	309-00-2	µg/kg	0.50	<0.50	<0.50
alpha-BHC	319-84-6	µg/kg	0.50	<0.50	<0.50
beta-BHC	319-85-7	µg/kg	0.50	<0.50	<0.50
delta-BHC	319-86-8	µg/kg	0.50	<0.50	<0.50
4,4'-DDD	72-54-8	µg/kg	0.50	<0.50	<0.50
4,4'-DDE	72-55-9	µg/kg	0.50	<0.50	<0.50
4,4'-DDT	50-29-3	µg/kg	0.50	<0.50	<0.50
Sum of DDD + DDE + DDT		µg/kg	0.50	<0.50	<0.50
Dieldrin	60-57-1	µg/kg	0.50	<0.50	<0.50
alpha-Endosulfan	959-98-8	µg/kg	0.50	<0.50	<0.50
beta-Endosulfan	33213-65-9	µg/kg	0.50	<0.50	<0.50
Endosulfan sulfate	1031-07-8	µg/kg	0.50	<0.50	<0.50
Endosulfan (sum)	115-29-7	µg/kg	0.50	<0.50	<0.50
Endrin	72-20-8	µg/kg	0.50	<0.50	<0.50
Endrin aldehyde	7421-93-4	µg/kg	0.50	<0.50	<0.50
Endrin ketone	53494-70-5	µg/kg	0.50	<0.50	<0.50
Heptachlor	76-44-8	µg/kg	0.50	<0.50	<0.50
Heptachlor epoxide	1024-57-3	µg/kg	0.50	<0.50	<0.50
Hexachlorobenzene (HCB)	118-74-1	µg/kg	0.50	<0.50	<0.50
gamma-BHC	58-89-9	µg/kg	0.25	<0.25	<0.25
Methoxychlor	72-43-5	µg/kg	0.50	<0.50	<0.50
cis-Chlordane	5103-71-9	µg/kg	0.25	<0.25	<0.25
trans-Chlordane	5103-74-2	µg/kg	0.25	<0.25	<0.25

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Total Chlordane (sum)		µg/kg	0.25	<0.25	<0.25
Oxychlordane	27304-13-8	µg/kg	0.50	<0.50	<0.50
EP131B: Polychlorinated Biphenyls (as Aroclors)					
Total Polychlorinated biphenyls		µg/kg	5.0	<12.5	<12.5
Aroclor 1016	12674-11-2	µg/kg	5.0	<12.5	<12.5
Aroclor 1221	11104-28-2	µg/kg	5.0	<12.5	<12.5
Aroclor 1232	11141-16-5	µg/kg	5.0	<12.5	<12.5
Aroclor 1242	53469-21-9	µg/kg	5.0	<12.5	<12.5
Aroclor 1248	12672-29-6	µg/kg	5.0	<12.5	<12.5
Aroclor 1254	11097-69-1	µg/kg	5.0	<12.5	<12.5
Aroclor 1260	11096-82-5	µg/kg	5.0	<12.5	<12.5
EP131S: OC Pesticide Surrogate					
Dibromo-DDE	21655-73-2	%	0.1	41.4	69.1
EP131T: PCB Surrogate					
Decachlorobiphenyl	2051-24-3	%	0.1	47.0	78.4
EP132B: Polynuclear Aromatic Hydrocarbons					
Naphthalene	91-20-3	µg/kg	5	<10	<10
2-Methylnaphthalene	91-57-6	µg/kg	5	<10	<10
Acenaphthylene	208-96-8	µg/kg	4	<8	<8
Acenaphthene	83-32-9	µg/kg	4	<8	<8
Fluorene	86-73-7	µg/kg	4	<8	<8
Phenanthrene	85-01-8	µg/kg	4	<8	<8
Anthracene	120-12-7	µg/kg	4	<8	<8
Fluoranthene	206-44-0	µg/kg	4	<8	<8
Pyrene	129-00-0	µg/kg	4	<8	<8
Benzo(a)anthracene	56-55-3	µg/kg	4	<8	<8
Chrysene	218-01-9	µg/kg	4	<8	<8
Benzo(b)fluoranthene	205-99-2	µg/kg	4	<8	<8
Benzo(k)fluoranthene	207-08-9	µg/kg	4	<8	<8
Benzo(e)pyrene	192-97-2	µg/kg	4	<8	<8
Benzo(a)pyrene	50-32-8	µg/kg	4	<8	<8
Perylene	198-55-0	µg/kg	4	660	601
Benzo(g,h,i)perylene	191-24-2	µg/kg	4	<8	<8
Dibenz(a,h)anthracene	53-70-3	µg/kg	4	<8	<8
Indeno(1,2,3-cd)pyrene	193-39-5	µg/kg	4	<8	<8
Coronene	191-07-1	µg/kg	5	<10	<10
Sum of PAHs		µg/kg	4	660	601
EP132T: Base/Neutral Extractable Surrogates					
2-Fluorobiphenyl	321-60-8	%	0.1	113	121
Anthracene-d10	1719-06-8	%	0.1	120	124
4-Terphenyl-d14	1718-51-0	%	0.1	91.1	102

Table 14. Acidity Trial, Sulfur Trial, Ca, Mg & acid base accounting, Northam Town Pool and Swan Enclosure – June 2013

EA029-B: Acidity Trial		SITE 1 POOL	SITE 3 POOL	SITE 5 POOL	SITE 2 SWAN
Titration Actual Acidity (23F)	mole H ⁺ / t 2	<2	<2	<2	<2

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Titration Peroxide Acidity (23G)	mole H+ / t	2	253	373	421	1230
Titration Sulfidic Acidity (23H)	mole H+ / t	2	253	373	421	1230
sulfidic - Titration Actual Acidity (s-23F)	% pyrite S	0.005	<0.005	<0.005	<0.005	<0.005
sulfidic - Titration Peroxide Acidity (s-23G)	% pyrite S	0.005	0.40	0.60	0.68	1.97
sulfidic - Titration Sulfidic Acidity (s-23H)	% pyrite S	0.005	0.40	0.60	0.68	1.97
<i>EA029-G: Sulfur Trail</i>						
KCl Extractable Sulfur (23Ce)	% S	0.005	0.13	0.10	0.09	0.08
Peroxide Sulfur (23De)	% S	0.005	1.07	1.30	1.23	1.93
Peroxide Oxidisable Sulfur (23E)	% S	0.005	0.94	1.21	1.14	1.84
acidity - Peroxide Oxidisable Sulfur (a-23E)	mole H+ / t	5	585	753	708	1150
<i>EA029-D: Calcium Values</i>						
KCl Extractable Calcium (23Vh)	% Ca	0.005	0.41	0.33	0.40	0.31
Peroxide Calcium (23Wh)	% Ca	0.005	0.74	0.55	0.58	0.34
Acid Reacted Calcium (23X)	% Ca	0.005	0.35	0.22	0.17	0.03
acidity - Acid Reacted Calcium (a-23X)	mole H+ / t	5	182	109	87	14
sulfidic - Acid Reacted Calcium (s-23X)	% S	0.005	0.29	0.18	0.14	0.02
<i>EA029-E: Magnesium Values</i>						
KCl Extractable Magnesium (23Sm)	% Mg	0.005	0.35	0.34	0.39	0.27
Peroxide Magnesium (23Tm)	% Mg	0.005	0.49	0.62	0.53	0.29
Acid Reacted Magnesium (23U)	% Mg	0.005	0.16	0.28	0.15	0.02
Acidity - Acid Reacted Magnesium (a-23U)	mole H+ / t	5	125	234	121	20
sulfidic - Acid Reacted Magnesium (s-23U)	% S	0.005	0.20	0.37	0.19	0.03
<i>EA029-H: Acid Base Accounting</i>						
ANC Fineness Factor	-	0.5	1.5	1.5	1.5	1.5
Net Acidity (sulfur units)	% S	0.02	0.58	0.80	0.83	1.93
Net Acidity (acidity units)	mole H+ / t	10	364	500	517	1200
Liming Rate	kg CaCO3/t	1	27	38	39	90
Net Acidity excluding ANC (sulfur units)	% S	0.02	0.94	1.21	1.14	1.85
Net Acidity excluding ANC (acidity units)	mole H+ / t	10	585	753	708	1150
Liming Rate excluding ANC	kg CaCO3/t	1	44	56	53	86

13.1.2 BERNARD PARK CONCEPT MASTERPLAN AND AVON MALL REDEVELOPMENT

Submission To:	Council
Name of Applicant:	N/A
Location / Address:	Bernard Park & Avon Mall, Northam
File Ref:	A14321,A11138 and A15572
Officer:	Chadd Hunt
Policy/Legislation:	
Voting:	Simple
Date:	4 th March 2014

PURPOSE

For Council to give consideration to endorsing the Bernard Park Concept Master plan and the Avon Mall Redevelopment plan and to make a determination on the location of the proposed RSL monument.

BACKGROUND

The Shire of Northam was originally allocated \$260,000 as part of the Regional Growth Centres (Super Towns) initiative to develop a water playground in the Bernard Park locality. This was funded under the Avon River Revitalisation and Riverfront Development (Stage 1) business case.

In considering the location of the playground and the drainage improvement works staff engaged the services of landscape architect to assist with the preparation of a concept master plan for the entire Bernard Park to ensure that any future works in the area are undertaken in accordance with this overall vision. As Council would be aware there have been several additions to the park in recent years and hence a need to revise the previous planning undertaken. Recently plans were also proposed for the construction of additional retaining walls in front of the Sound Shell to aid with access to the stage area, crowd control and sound improvements. These concept plans are presented for consideration by Council.

In preparing the concept plans consideration has been given for the option of locating the RSL memorial in the park, possible location of a youth space, redevelopment of the swan enclosure, footpath network, shade and seating, vegetation management and use of the sound shell.

In addition discussion has been held with regard to the revitalise the Avon Mall area, particularly in regard to a number of proposed projects that were identified for the area including the new statue of Hugo Throssell, the proposed archway for the Hugo Throssell VC Memorial Walk, the new RSL Memorial and the memorial monument, which had all been suggested at various times to be located in the vicinity of the Mall. Staff has prepared some concept plans for consideration by Council (recognising that the statue and monument are no longer funded).

In preparing the concept plans consideration has been given to the previously completed works and associated input from local Aboriginal groups, the presentation of the fountain area, the “harshness” of the existing landscaping structures, and relationship with the existing buildings on either side of the mall and the relationship to the river.

Staff have discussed both options with regard to the RSL Monument with representatives of the Northam RSL and requested that feedback be provided as soon as practical to allow the final decision to be made by Council. Council has received a formal response to the request for the preferred location of the monument and have received a request that it be located in proximity to the existing war memorial (copy of correspondence attached).

STATUTORY REQUIREMENTS

The Shire of Northam has a funding agreement in place with the Department of Regional development requiring the Council to finalise the water playground and drainage improvement work projects to the detailed design and implementation stage.

CONFORMITY WITH THE PLAN FOR THE FUTURE

Forms part of the endorsed growth plan of the Shire of Northam

BUDGET IMPLICATIONS

The remaining works associated with the upgrading of other infrastructure in the park will need to be sourced externally through grants or as part of Council’s budget process.

Likewise the improvement works for the Avon mall will need to be funded through Council’s budget process.

With respect to the RSL monument Council has allocated an amount of \$68,500 in the 2013/14 Budget for ANZAC 100 Year Commemoration. It is proposed to utilise funds from this account to assist with the erection of the monument.

OFFICER’S COMMENT

With regard to the future development of Bernard Park staff is of the opinion that the concept master plan as presented provides a long term plan for the development of the area. It is recognised that the development will need to occur over a number years and consideration will need to be given to other issues long term such as improvements to the irrigation system, plant species selection, improvements around the sound shell and car parking shade trees. The next process is for staff to undertake the preparation of a staging plan, following adoption of the master plan by Council.

Similarly with the Avon Mall upgrade the long term plan is to upgrade the area as per the concept plan as budget and negotiations with adjoining private landowners permit. In addition any modification to the Fountain will be subject to a further report to Council following further investigations.

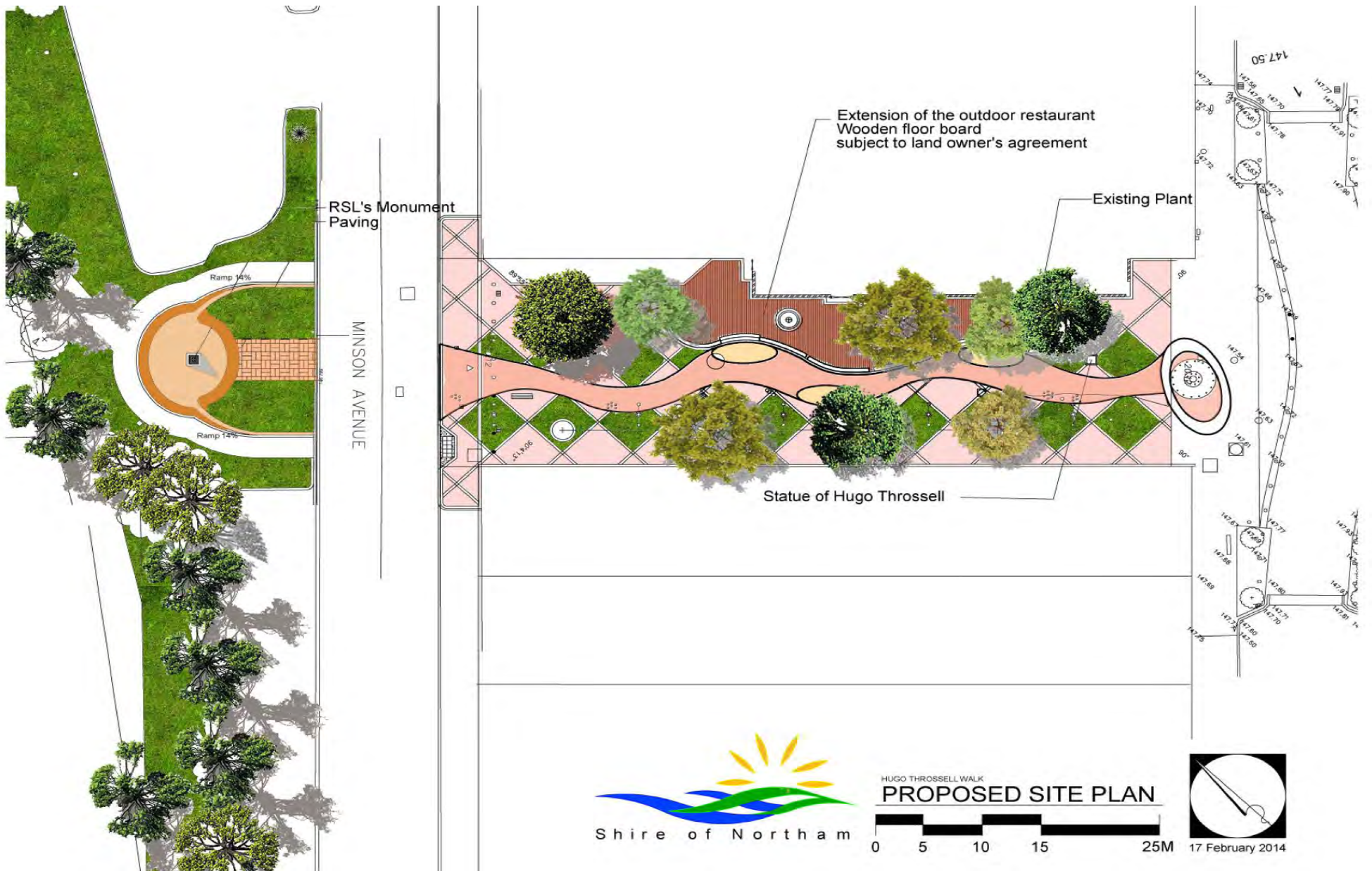
The RSL have corresponded with Council advising that their preferred location for the monument is at the front of the existing memorial. Whilst staff believes other options presented are the preferred location, the decision of the RSL is respected and it is

recommended that their preference be endorsed by Council. The RSL have indicated that they are pursuing funding for the purchase of the monument however have requested that Council assist with the erection of the monument and some ancillary work to enable this to occur. Staff recommend use of funds allocated for the 100th year ANZAC commemoration for this purpose.

RECOMMENDATION

That Council:

- (1) Adopt the Bernard Park Masterplan as presented in attachment (without the location of the RSL Monument) to guide the future development of the park area subject to external funding and budget provisions in future years (noting the requirement to ensure available vehicle access into the park/music shell area).**
- (2) Adopt the Avon Mall Concept plan (without the location of the RSL Monument) for the ongoing future development of the area subject to external funding and appropriate budget provisions in future years.**
- (3) Accept the proposal from the Northam RSL to locate the RSL Monument at the location of the existing memorial at 265 Fitzgerald Street, Northam and authorise expenditure of up to \$5,000 from Job 4691 (ANZAC 100 Year Commemoration) to assist the RSL with the construction of the Monument.**





NORTHAM SUB BRANCH RETURNED AND SERVICES LEAGUE CHARTER: 10 May 1916



P O Box 252
NORTHAM, WA. 6401

President: Mrs Donna Prytulak
Phone: 08 96 222575
Mobile: 0409 290 972

Email: prytulak@bigpond.com
Secretary: Reg Stevens
Phone: 08 96 222819
Mobile: 0427 303 762

Email: regstevens@westnet.com.au

Chief Executive Officer
PO Box 613
Northam, WA, 6401

Dear Jason

New War Memorial

At your recent meeting with our President and Vice President another proposed location was suggested for our War Memorial.

An area left of the sound shell was the first proposal by our members.

We had previously received a letter from the Shire dated 23 August 2013 confirming that Council had approved a location on Minson Avenue opposite Hugo Throssell VC walk after that area was suggested in a new overall area plan flowing from Hugo Throssell VC walk through to Bernard Park.

It has been most confusing and frustrating that this has taken so long and still nothing has been totally finalised. We first approached the Shire regarding our plans approximately 12 months ago.

After much discussion at our Sub Branch meeting on 1 March, our members have decided that the best location to suit everyone would be to install the new Memorial on the paved area in front of our current Memorial at 265 Fitzgerald St Northam.

We propose to move the flag pole and place the new Memorial near the bottom of the cross in the paving.

Whilst we appreciate your work and support we feel that we need to get on with the project. Placing it in the current Memorial precinct removes the need for added lighting, paving and garden works being less cost to both Shire and RSL. It will also keep all our Memorials in the one location and prevent any possible confusion within the community.

If the Shire has no objection to this would you please advise so we can make arrangements to go ahead and place the Memorial.

We trust you are still able to lay the foundation for the Memorial as per previous discussions to the plan submitted by Oxtel Services.

Regarding our service in Bernard Park in 2015, we hope you will accept our original proposal to place a plaque upon a plinth in Bernard Park close to the area in which we conduct the service stating that the 100th ANZAC DAY service was conducted in this place.

We hope to be able to now move on and complete this project. If you have any questions please contact either myself or our President at the above mentioned contacts

Yours sincerely

Reg Stevens
Secretary
Northam Sub Branch
Returned and Services League
1 March 2014.

13.1.3 SHIRE OF NORTHAM CORPORATE PLAN

Name of Applicant:	Shire of Northam
Name of Owner:	Shire of Northam
File Ref:	2.3.1.1
Officer:	Jason Whiteaker – Chief Executive Officer
Officer Interest:	N/A
Policy:	N/A
Voting:	Absolute Majority
Date:	27 February 2014

PURPOSE

For Council to give consideration to endorsing the revised corporate business plan.

BACKGROUND

The corporate business plan is an internal business planning tool that translates Council priorities identified in its strategic community plan into operations within the resources available.

The plan details the services, operations and projects a local government will deliver within a defined period. It also includes the processes for delivering these and the costs associated.

The Shire of Northam endorsed a corporate business plan in 2013, however the Executive have reviewed this document with the aim of maximising its benefit to the organisation. The result of this review is a newly developed corporate business plan which is felt provides more detailed information and direction to all stakeholders. A copy of the previously endorsed plan has been provided previously for information/context (Council G drive / FTP).

STATUTORY REQUIREMENTS

A corporate business plan for a district is to —

- a) set out, consistently with any relevant priorities set out in the strategic community plan for the district, a local government's priorities for dealing with the objectives and aspirations of the community in the district; and
- b) govern a local government's internal business planning by expressing a local government's priorities by reference to operations that are within the capacity of the local government's resources; and
- c) develop and integrate matters relating to resources, including asset management, workforce planning and long-term financial planning.
- d) A local government is to review the current corporate business plan for its district every year.

- e) A local government may modify a corporate business plan, including extending the period the plan is made in respect of and modifying the plan if required because of modification of the local government's strategic community plan.
- f) A council is to consider a corporate business plan, or modifications of such a plan, submitted to it and is to determine* whether or not to adopt the plan or the modifications.

*Absolute majority required.

- g) If a corporate business plan is, or modifications of a corporate business plan are, adopted by the council, the plan or modified plan applies to the district for the period specified in the plan.

Given the Council has already endorsed its strategic community plan (2013) and this is in place for the ensuing four years, the proposal is to simply modify the current plan to take in the two new Key Result areas being proposed in the corporate business plan. The changes being proposed are considered important, but not overly significant as they are not changing any of the intent of the original plan. The proposed alterations are simply filling perceived gaps in the existing plan. In saying this there is still a requirement for the public to be consulted on the proposed alterations, hence the recommendation of the officer is reflecting this statutory requirement. Local Government (Administration) Regulations 19C (9).

CONFORMITY WITH THE STRATEGIC COMMUNITY PLAN

The corporate business plan has been prepared in the context of the strategic community plan. In saying this there are elements within the corporate business plan which, if endorsed, will require an adjustment to the strategic community plan. These adjustments are around adding two additional Key Outcome areas, which are discussed/identified in the comments section of this report.

BUDGET IMPLICATIONS

The corporate business plan will very much drive the annual budgeting process, as a consequence Management will be expected to review their upcoming yearly tasks and ensure they are satisfied the organisation has sufficient resource to deliver on established expectations. As this forms part of the normal budgeting process, Council will retain the right to support or not support funding requests to deliver specific actions.

The initial review of the corporate business plan has identified a pressing need to increase the capacity of the Engineering Department. The proposal currently is to add the following staff;

- Operations Manager – responsible for project planning, risk management, on site Occupational Health & Safety etc. (additional cost \$110k per annum). An additional vehicle is also required, which is provided for in the draft budget review report.
- Parks Supervisor – provide supervision and expertise from a horticultural perspective. (additional cost \$80k per annum)

- Parks staff – belief that the staff ‘on the ground’ are currently 1 position short.

It is noteworthy that Council during its last budget process reduced the number of staff in its Engineering Department by the two management/supervision roles. This has had a significant impact on the ability of the Department to achieve its required outcomes.

The areas specifically identified above are not the only areas of pressure, however they are considered to be the most pressing. Other additional resource requirements are general provided for in the Shire of Northam integrated workforce plan (2013-2017).

OFFICER’S COMMENT

The format of the plan has changed significantly, although it has utilised the structure of the strategic community plan as its basis. That is the corporate business plan reflects the Councils strategic community plan Vision, Objectives and Strategies.

The process for developing the corporate business plan has been ongoing for the past five months and has been very involved and challenging at times. The process has involved a wide range of staff who have provided input to;

- Ensure that the plan covers all of the major actions which staff undertake;
- Reconcile staff actions to Council strategies (that is the aim is to ensure that the strategies identified by Council are supported by staff resource);
- Question what we do as staff to try and validate our daily tasks back to ensuring they are contributing to our overall objectives;
- Identify gaps between strategies and actions;
- Confirm organisational alignment. In order to achieve positive organisational outcomes there needs to be a strong alignment between the strategy of the Council and organisational structure. The corporate planning process has identified gaps and highlighted areas which require more (or less) resources, it has also allowed for internal work focus to ensure a strong alignment of tasks and skills.

Staff have also made some suggested adjustments to the corporate plan structure which will impact the strategic community plan if endorsed. These revolve around the addition of two key result areas. Currently Council has the following areas;

- Governance
- Social
- Economic
- Natural Environment

As a result of the review of the corporate plan there were a number of key specific actions identified which could not be easily categorised into the above mentioned result areas. Consequently two additional areas were identified, being;

- Infrastructure and Resources; and
- Public Realm and Built Environment

These two additional areas are certainly not unknown to Council. As part of the ‘integration’ philosophy of Council planning, staff are of the view that the key result area

identified within the strategic community plan should align to those in to the Northam growth plan (which is where the two additional areas have come from). Whilst acknowledging that the Northam growth plan focuses predominantly on Northam townsite, it is felt that aligning these two critical documents will assist in ensuring a consistent approach is adopted.

Council held a workshop (attended by Crs Rumjantsev, Pollard and Head) to discuss the draft corporate plan and provide comments on its structure and contents. The comment of elected members through this process have been considered in the formulation of the final Corporate Plan presented to Council. The main discussion points emanating from the workshop were;

- Action to continue to with attempting to secure AFL football presence in the region
- Inclusion of Indigenous Inclusion Planning
- Recreation Centre expansion (indoor aquatic facility) planning work is not expected to commence until 2016/17 (alter the project projections and action to ensure they align)
- Action to review of UV/GRV rating for rural residential properties under 5ha is a process commenced some time ago which requires finalisation. Need to be cognisant of importance of communication with impacted land owners.
- Need to populate 2018/19 project priorities with \$ in accordance with long term financial plan
- Identified need for additional staff in Engineering. These two new position in essence replace two positions which were previously in place, however removed during the last budget process by staff, not Council.
- Additional staff resource requirements are only identified for current year, other additions (which are minimal) would be in accordance with integrated workforce plan endorsed by Council in 2013.
- A range of adjustments have been made as a result of the workshop. Adjustments which are considered to impact the intent of the plan have been made with track changes to allow for ease of identification. There are however a number of 'insignificant' adjustments to wording etc which are not tracked.

RECOMMENDATION

That Council:

- 1. Endorses the 2014 Corporate Plan as presented with the following amendments;**
 - a. (if required by Council)**
- 2. Authorise the appointment of two additional Engineering positions immediately and refers a general parks position to 2014/15 draft budget.**
- 3. Authorise the Chief Executive Officer to make the appropriate adjustments to the Strategic Community Plan to ensure the two plans integrate appropriately, subject to;**
 - a. The Northam Shire Community being provided with the opportunity to make comment on the proposed adjustments to the Strategic Community Plan;**
 - b. A report being provided by the Chief Executive Officer to the Council recommending the adoption (or otherwise) of the modified Strategic Community Plan giving consideration to any public submissions/comment.**
- 4. Requires the Chief Executive Officer to detail the alterations to Corporate Plan and Community Plan in the Annual Financial Report 2013/14 in accordance with 19CA of the Local Government (Administration) Regulations.**

ABSOLUTE MAJORITY

13.1.4 SHIRE OF YORK – PROPOSED BOUNDARY ADJUSTMENT

Name of Applicant:	Shire of York
Name of Owner:	Shire of Northam
File Ref:	6.1.1.87
Officer:	Jason Whiteaker – Chief Executive Officer
Officer Interest:	N/A
Policy:	
Voting:	Simple Majority
Date:	27 February 2014

PURPOSE

For Council to make a determination on an adjustment to the Shire of Northam/York Boundary being proposed by the Shire of York

BACKGROUND

The Shire of York has corresponded with the Shire of Northam requesting that Council give consideration to supporting a realignment of the boundary excising the areas south of the Chidlow-York road (Great Southern Highway) from the Shire of Northam, including it in the Shire of York.

The reason given for the proposed boundary adjustment is to include Talbot West Road in the Shire of York. This road is currently unsealed and the Shire of York contend that it should be sealed to finalise a regional road link from Beverley to the Great Southern Highway.

STATUTORY REQUIREMENTS

Local Government Act 1995 -

Provisions about creating, changing the boundaries of, and abolishing districts
Schedule 2.1

CONFORMITY WITH THE STRATEGIC COMMUNITY PLAN

Governance

- Objective G2: Improve organisational capability and capacity
- Strategy G2.1: Receptive to local government structural reform opportunities to enhance the capacity of Northam as a regional sub centre.

BUDGET IMPLICATIONS

An assessment of the annual financial implications of the proposed adjustment has been undertaken;

Direct revenue **\$6,000** – potential lost rate revenue

Road Grant Funding **\$3,200** (est)

Road lengths in each local government area forms part of the federal assistance grant formula (based on the asset preservation model)

The Asset Preservation Model assesses the average annual cost of maintaining each local government's road network. It takes into account:

- *annual and recurrent maintenance costs; and*
- *reconstruction at the end of the road's useful life.*

The model recognises the different needs of urban and rural roads, and the different levels of development of these roads. Thus the needs of sealed, gravel and formed roads are each treated according to their particular needs.

The model calculates annual asset preservation expenditure needs for each work based on the following formula:

Unit cost per km x frequency factor x road length = Annual expenditure need

For example, the annual expenditure need for resealing for a local government that has 4.1 kilometres (length of Talbot West unsealed) of road sealed 6 metres wide would be:

$$\begin{aligned} & \$30\,000 \text{ (Unit Cost per KM)} \times 1/15 \text{ (Frequency Factor)} \\ & \times 10.0 \text{ (Length of Talbot West \& Goods Road)} = \$20,000 \times 16\% = \$3,200 \end{aligned}$$

Unfortunately the full needs of local government road expenditure are beyond the financial capacity of the Grants Commission to fund, as a consequence the actual funding to Council is a factored back amount based on available funding. Currently local government receive approximately 16% of their assessed need. (This is a rudimentary assessment of the financial grant implications, an unsealed road assessment can be significantly more detailed and not considered necessary for the purposes of this report. It is felt the provided assessment provides an indication sufficient for the purposes of Council marking a determination on the matter).

Direct expenditure \$8,000 - road maintenance costs (annual projected without sealing)

Potential Capital expenditure \$800,000 - an estimated cost of constructing and sealing Talbot West Road.

OFFICER'S COMMENT

Whilst the section of Talbot West Road in the Shire of Northam is not sealed it is important to note that Yarra Road links Talbot West Road to the Great Southern Highway (in the Shire of Northam) and this is sealed. The section of unsealed Talbot West Road is in very

poor condition (in some places sandy) and appears to be reasonably well utilised (based on a visual assessment).

The section of Talbot West Road which is not sealed is approximately 4.1kms in length. As a 'general rule of thumb' it would cost approximately \$200k per km to seal / construct a gravel road, hence the total cost would be in the area of \$800k. For all intents this section of road does not service any ratepayer in the Northam Shire, hence allocating this quantum of funds would be difficult to justify.

The Shire of York has provided further information and advised that the section of the Shire of Northam they are proposing to amalgamate into their Shire is the result of the recent reform process they participated in. Through this process the section of the Shire of Northam on the 'other side' of the Great Southern Highway (Chidlow – York Road) is in fact an anomaly and with the Highway providing a clear geographical feature, which is the proposed new boundary between the two Shire's.

While the issue pertaining to the boundary 'tidy up' may well be pertinent it perhaps should be a matter looked at in the context of all boundaries between the Shire of Northam and our neighbours. Reviewing a boundary map highlights there are a number of areas which could be reviewed for their relevance and perhaps if the Shire if to consider the boundaries it should be done in its entirety.

The Shire of Northam has a number of options available to it, being;

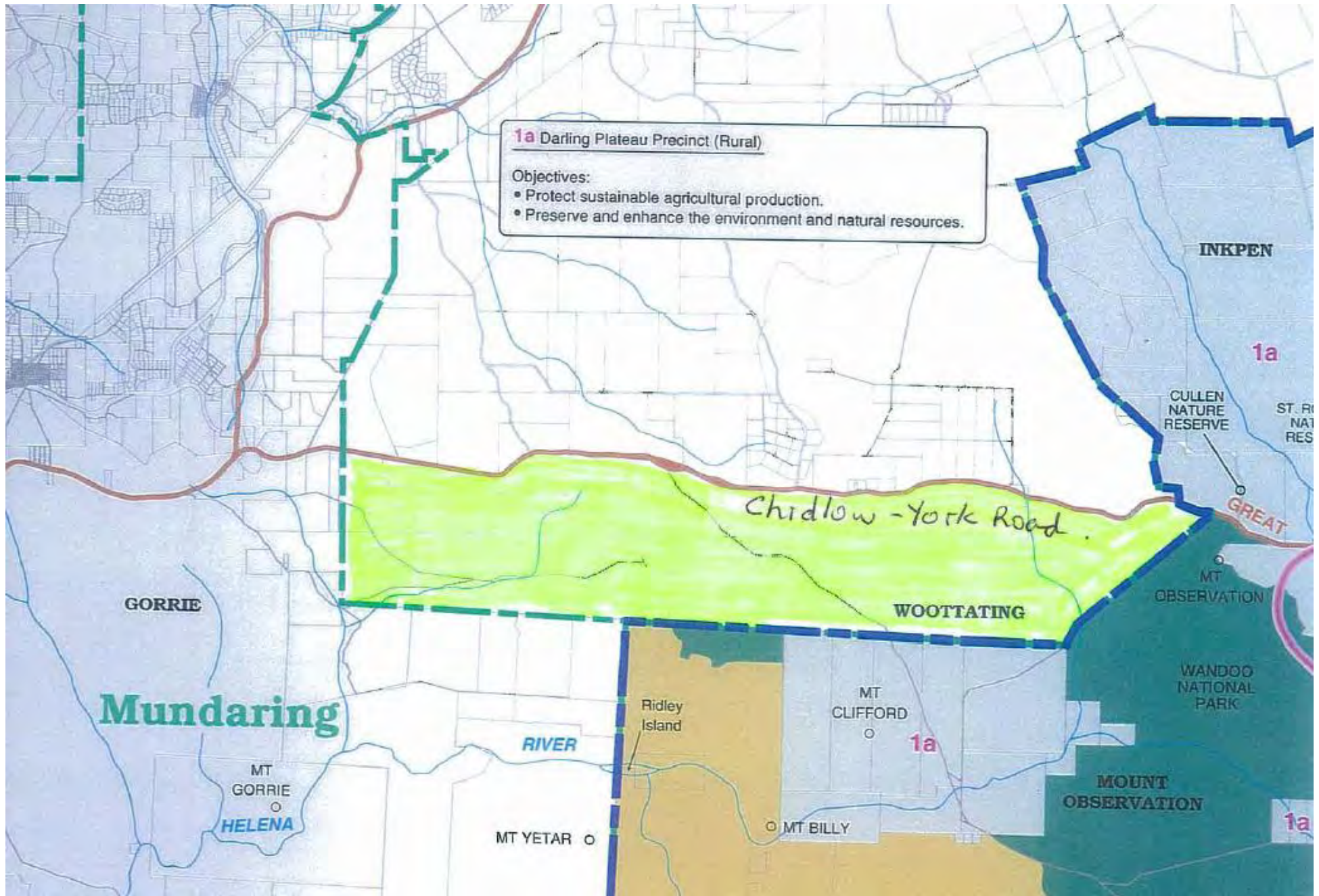
- Council support the proposal;
- Not support the proposal and advise that sealed access is available, thus allowing for the regional link mentioned by the Shire of York;
- Not support the proposal and advise that Council will investigate the sealing of Talbot West Road, however this would be undertaken based on traffic volumes and cost effectiveness;
- Not support the proposal and advise that the Council would support a regional approach to securing the required funding to allow for the sealing to occur;
- Not support the proposal, however provide a commitment to work with adjoining Shire's to review the appropriateness of all boundaries associated with the Shire of Northam. This option is put forward as an opportunity to review the Shire boundaries as one process, rather than take a disjointed approach by reviewing individual sections in isolation;
- Not support and advise that the current maintenance will continue.

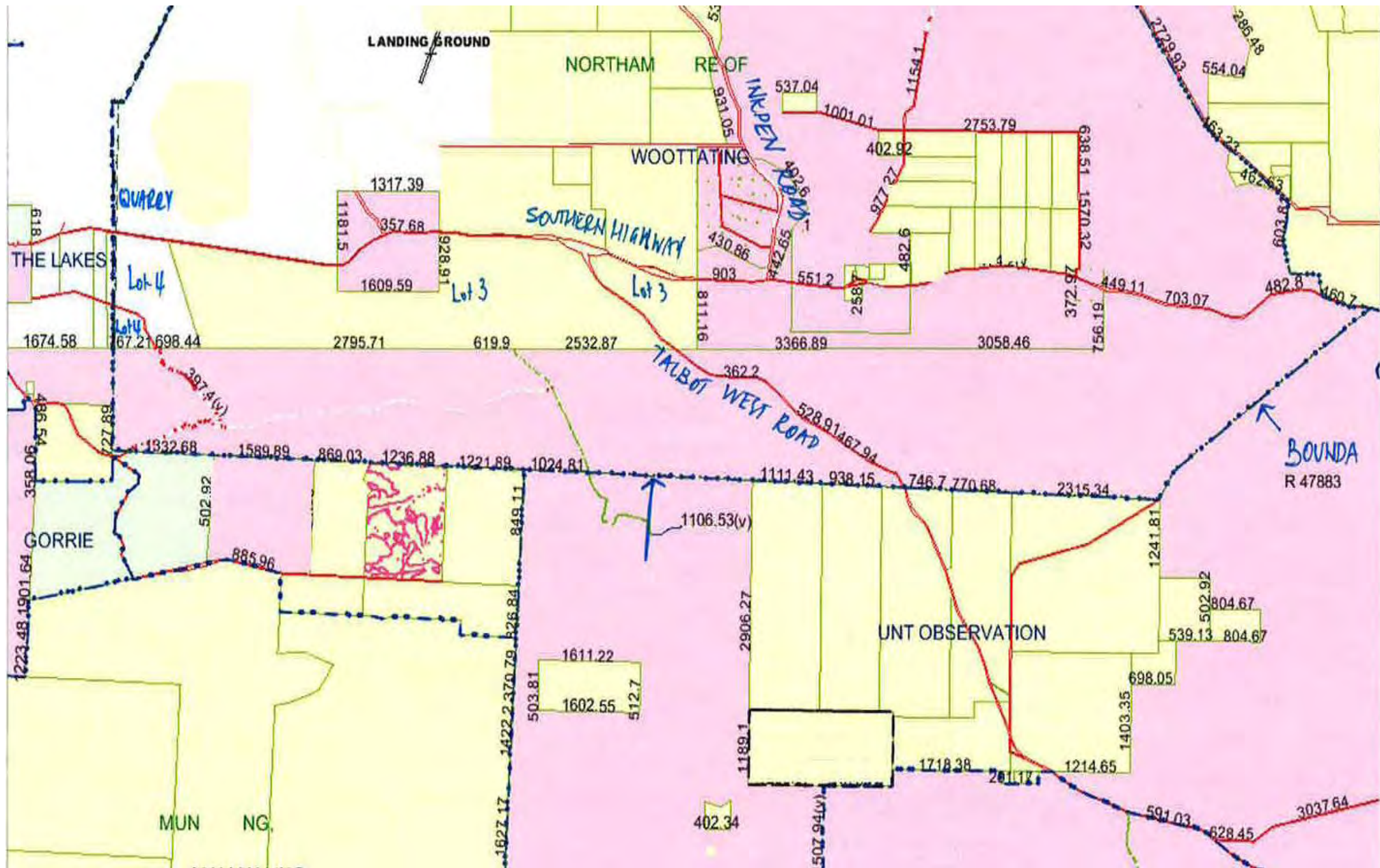
Each of these options have merit in their own right. However in order to make recommendation to Council, staff have utilised the strategic position of Council on this matter, which is to support local government reform (which is taken to include boundary adjustments) if it is of benefit to the Shire of Northam as a Regional Centre. With this in mind there appears to be no sound basis to support the boundary adjustment. As a consequence the recommendation is to not support the proposal made by the Shire of York, however offer to take a regional (group) approach to assessing the need for sealing the Talbot West Road.

RECOMMENDATION

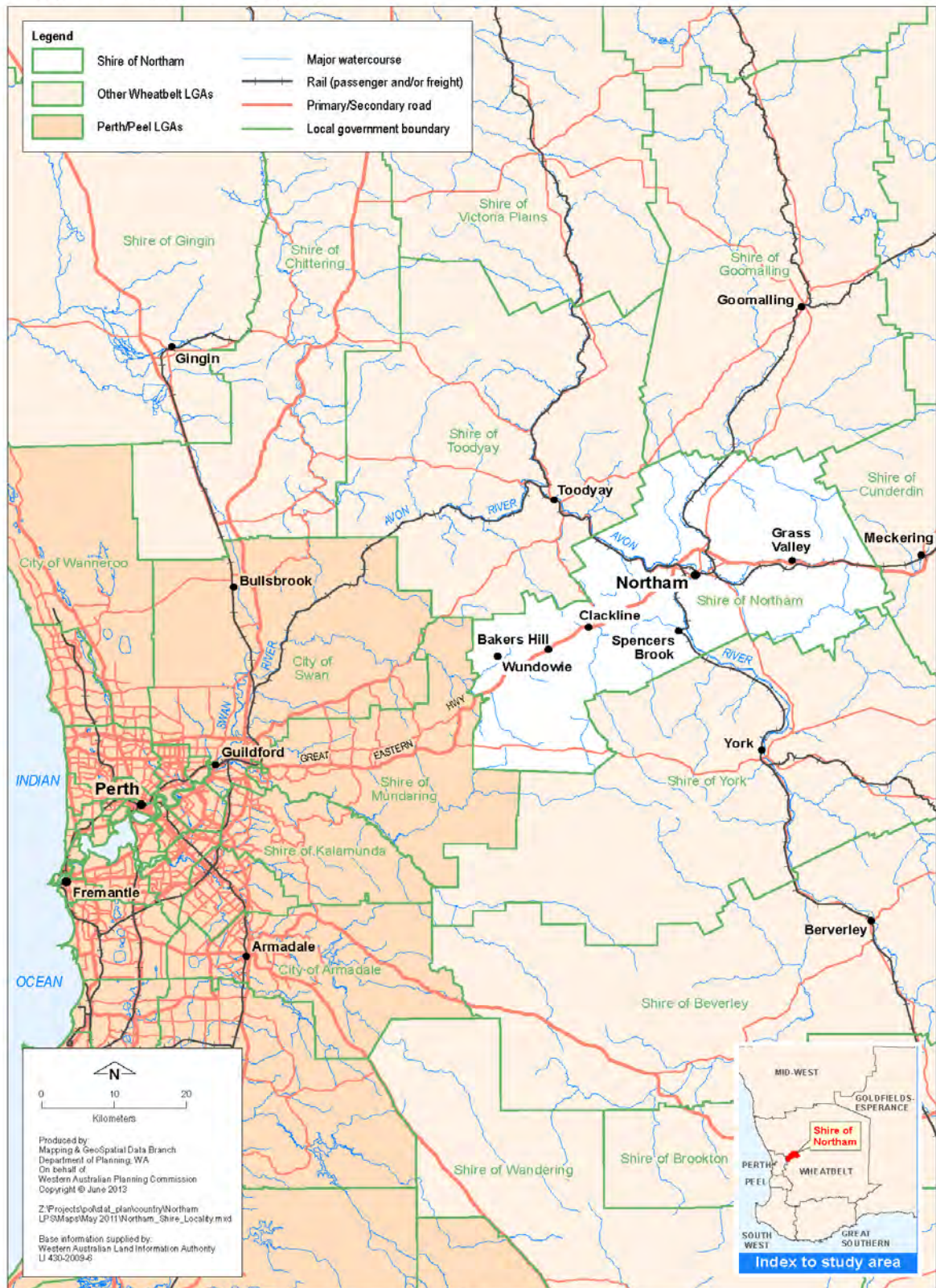
That the Shire of Northam advises the Shire of York that:

- 1. It does not support the proposal put forward by the Shire of York to realign the Northam / York local government boundary to the Great Southern Highway. The reason for not supporting the proposal is that the Shire of Northam can see no significant benefit to either community with such a realignment;**
- 2. It is supportive of working as a regional group (with the Shire's of York & Beverley) to investigate the ongoing maintenance and potential upgrading of the Talbot West Road, based on identified need and in the context of funding availability.**





Shire of Northam Local Planning Strategy



Northam Shire - Location and Settlement Plan

Figure 1

13.2. DEVELOPMENT SERVICES

13.2.1 NEW DWELLING – LOT 420 (55) WOOD DRIVE, NORTHAM

Name of Applicant:	Redink Homes
Name of Owner:	M & A Joseph
File Ref:	A15013
Officer:	Phil Steven / Roy Djanegara
Officer Interest:	Nil
Policy:	Residential Design Codes (R-Codes)
Voting:	Simple Majority
Date:	18 February 2014

PURPOSE

For Council to consider an application for planning approval which has a reduced setback and alteration to ground level greater than 500mm.

BACKGROUND

The Shire has received an application for Planning Approval for the construction of a new dwelling on vacant land. The proposed dwelling will alter the height of the natural ground level greater than 500mm. This alteration requires Planning Approval.

Section 5.6.2 of the Local Planning Scheme No.6 requires this application to be advertised to adjoining landowners. During the advertising period, the Shire received one submission, which is an objection to the proposal, therefore this item is being referred to Council for consideration.

Background of Key Dates and Determinations

The following table lists the key dates in regards to this application.

Date	Item / Outcome
21 January 2014	Planning Application received by the Shire
22 January 2014	Application is assessed by Shire Officers
28 January 2014	Application being advertised to adjacent landowners
10 February 2014	A submission received being an objection
18 February 2014	Report prepared for Council

The property on Lot 420 (55) Wood Drive, Northam is zoned Residential R5 under the Shire's Local Planning Scheme No.6 and has a total land area of 2002m². The proposed New Dwelling alters the height of the natural ground level at the setback area by greater than 500mm (around 700mm above the natural ground level).

The proposed new dwelling has a 6m setback from the front boundary rather than the 12m setback required for the Residential R5 coded zone. However the side setback at the nearest point is 13.75m which meet the minimum of 6m as required for the zone.

STATUTORY REQUIREMENTS

The relationship between the Local Planning Scheme No.6 and the Residential Design Codes (R-Codes) in the Residential Zones is stated in the scheme as:

“5.2.2 Unless otherwise provided for in the Scheme, the development of land for any of the residential purposes dealt with by the Residential Design Codes is to conform with the provisions of those Codes.”

Part 5.1.2 of the Residential Design Codes (R-Codes) sets the design principles of streetscape, which states:

“**P2.1 Buildings** set back from **street boundaries** an appropriate distance to ensure they:

- contribute to, and are consistent with, an established streetscape;”

The new dwelling proposes a front setback variation from the required 12m to 6m. The Residential Design Codes (R-Codes) provision 5.1.2 Street setback subclause C2.1. (iii) allows this variation when it states setbacks may be

“iii. reduced by up to 50 per cent provided that the area of any building, including a carport or garage, intruding into the setback area is compensated for by at least an equal area of open space between the setback line and line drawn parallel to it at twice the setback distance (refer Figure 2a, 2b and 2c)”

The Residential Design Codes Section 5.3.7 Site works under Subclause C7.1 states:

“Excavation or filling between the street and building, or within 3m of the street alignment, whichever is the lesser, shall not exceed 0.5m, except where necessary to provide for pedestrian or vehicle access, drainage works or natural light for a dwelling.”

As the proposed development alters the natural ground level by more than 0.5m it requires planning approval.

Section 10.2 of the Local Planning Scheme No.6 sets the matters to be considered by Local Government which is to have due regard to such of the following matters as are in the opinion of the local government relevant to the use or development the subject of the application:

- (j) the compatibility of a use or development with its setting;
- (o) the preservation of the amenity of the locality;

- (p) the relationship of the proposal to development on adjoining land or on other land in the locality including but not limited to, the likely effect of the height, bulk, scale, orientation and appearance of the proposal;
- (z) any relevant submissions received on the application;
- (aa) the comments or submissions received from any authority consulted under clause 10.1.1; and
- (bb) any other planning consideration the local government considers relevant.

As the applicant is proposing a 6m setback variation to the front boundary it is important for Council to consider the possible impact of a setback variation on the established streetscape and amenity of Wood Street.

CONFORMITY WITH THE PLAN FOR THE FUTURE

GOAL: To maintain a balance between maintenance of our lifestyle and sense of community with population growth and accompanying development.

The construction of a new dwelling will improve the image of the Northam townsite, which in turn will support the objective of the development of Northam as a SuperTown.

BUDGET IMPLICATIONS

The applicant has paid \$147.00 in planning application fee and \$125.00 advertising fee, totalling \$272.00

OFFICER'S COMMENT

Development of a new dwelling in the town of Northam is governed by the Residential Design Codes (R-Codes).

One objection was received from an adjoining landowner. The objection raised concern regarding the reduced setback distance to the primary street boundary.

The R-Codes allow for the variation of the front setback as long as the area of the part of the building that intrudes into the setback area is compensated for by at least an equal area of open space between the setback line and the line drawn parallel to it at twice the setback distance.

The attached illustration demonstrates that the intruding area of the proposed development is smaller than the compensation area required by the R-Codes. This indicates that the development is considered to be acceptable from a compensation point of view.

The objection also mentioned that other dwellings along Wood Drive adjacent to the proposed new dwelling were built with a 12m setback.

A site inspection was undertaken where it was determined that the established setback line for surrounding houses varies from 6 -12m. Based on this it was considered that the

proposed 6m setback will not impact the streetscape or Wood Street's existing amenity. Based on the above, it recommended that Council grant approval for the proposed 6m setback variation.

RECOMMENDATION

That Council support the application for the construction of new dwelling on Lot 420 (55) Wood Drive, Northam subject to the following conditions:

- 1. All development being in accordance with the approved plans.**
- 2. All stormwater being contained on site, no runoff onto adjacent properties shall be permitted.**
- 3. No second hand materials being used in the construction of the outbuilding without the prior approval of the Local Government.**

PEARL

COTTAGE & ENGINEERING SURVEYS
 Licensed Surveyors

87-89 Galilee Street, Osborne Park, Western Australia
 Telephone (08) 9449 7301 Facsimile (08) 9445 9948
 Email: pearl@cottageandengineering.com.au Website: www.cottageandengineering.com.au
 JLN: 323070 DATE: 28 Oct 13 SCALE: 1:200 DRAWN: P. Dunnington

Builder: Redink Homes
 CLIENT: JOSEPH
 EOP 2.26 755 Wood Drive, Northam
 D. Plan 54267

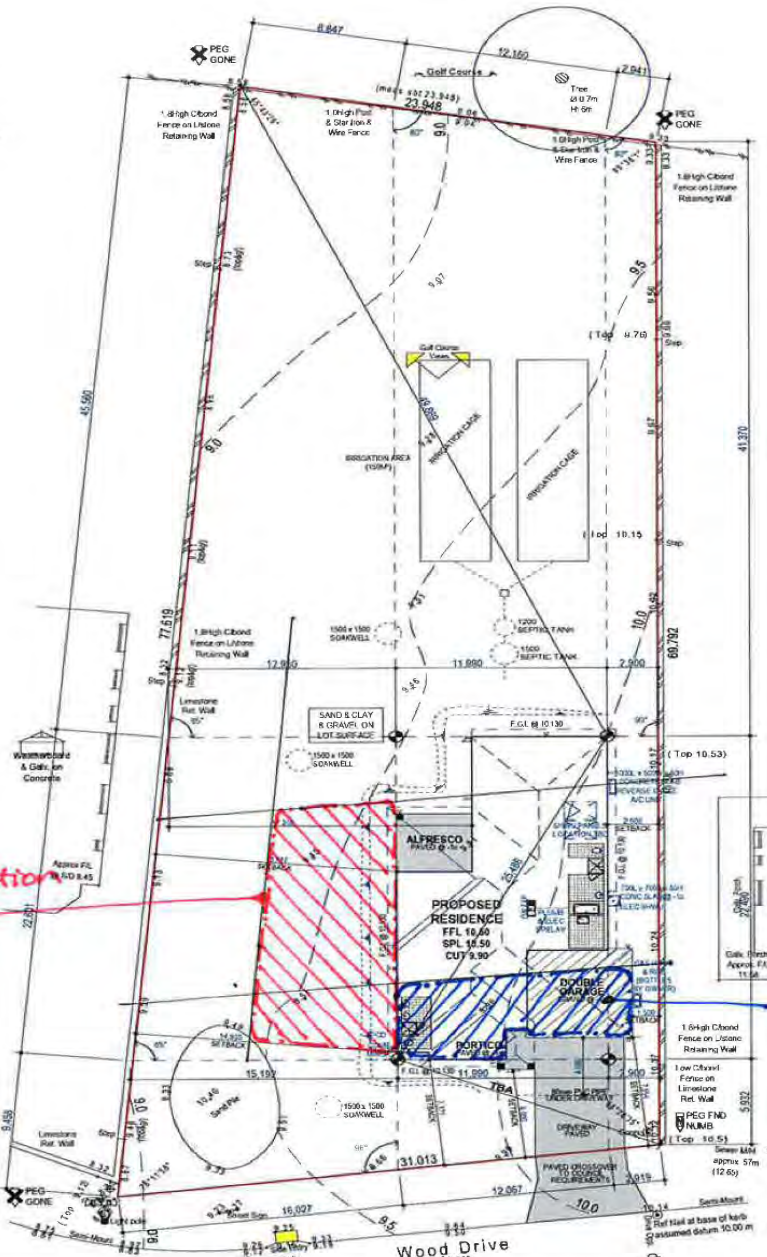
LEGEND
 SEC Dims Power Pole
 Conc Path
 Conc Slabs

SOIL DESCRIPTION
 Sand / Gravel / Clay (Found)
 Light Grass Cover

NOTE: REFER TO SEC 7A T.L.A. SEE DOCUMENT K283163
 NOTE: LOT MISCLOSE (0.000 m)

- NOTE: All Sewer details plotted from information supplied by Water Corporation.
- BEWARE: POSSIBLE SERVICE RUN IN & COST
- NOTE: ALL FEATURES SHOWN ON SURVEY ARE POSITIONED FROM EXISTING PEGS/FENCES & WALLS WHICH MAY NOT BE ON THE CORRECT ALIGNMENT.

NO. ...
 NOTE: COTTAGE & ENGINEERING SURVEYS ACCEPT NO RESPONSIBILITY FOR ANY PHYSICAL OR SITE CHANGES TO THE PARCEL OR PORTION OF THE PARCEL SHOWN ON THIS SURVEY INCLUDING ANY ADJOINING NEIGHBOURS LEVELS AND FEATURES THAT HAVE OCCURRED AFTER THE DATE OF THIS SURVEY.



SAND PAD NOTE:
 MINIMUM 600mm x 600mm CUT BASE

PRELAY NOTE:
 DRAINING IS ELECTRIC PRELAY REQUIRED FOR ISLAND OUTBOARD REFER TO LCCN PLAN

SITE CLASSIFICATION:
 5 FOOTING TYPE: C2
 WIND CATEGORY: M3
 COASTAL CONDITIONS: NO

TERRACE TREATMENT NOTE:
 TERRACE TREATMENT IS TO BE THE RESPONSIBILITY OF THE BUILDING, ACCORDANCE WITH AS 3602.1

DIAM	DEPTH	VOL
1000	900	2.29
1200	3.05	
1500	3.82	
1800	4.58	
900	1.52	
1200	2.17	
1500	2.85	
1800	3.78	
900	1.02	
1200	1.36	
1500	1.70	
1800	2.03	
900	0.57	
1200	0.76	
1500	0.95	
1800	1.14	

DRAINAGE NOTES:
 1. Volumes are in cubic metres
 2. Areas in square metres
 3. Volumes to be retained based on 0.024m of water in the surface.
 4. Down pipes to full located at each level floor at same rate i.e. Roof Area to each tank is proportional to its Volume.
 5. Allowance for surface Run, Storm & location of soak walls. Drawings are indicative.

DRAINAGE CALCULATIONS:
 Impervious Area (Roof) Area A = 274.00m²
 Volume in Store = 05.70m³

Impervious Area (Paving) Area B = 33.00m²
 (Driveway & Path) = 33.00m²
 Volume in Store = 00.70m³
 (Stormwater grate to soak walls)
 Run to existing soak walls

TOTAL VOLUME TO DRAIN AREA A + AREA B = 7.40m³
NUMBER TANKS REQ'D = (TAKEN FROM TABLE) 1x1500 + 1x1000 = 2 TANKS
THREE TANKS REQUIRED
TOTAL TANK VOLUME = 7.85m³



<p>THIS IS ONE OF THE DRAWINGS REFERRED TO IN THE CONTRACT.</p>	VARIATIONS 1" CONTRACT 2" BY SPEC. AN	DATE 28 OCT 13	CLIENT JOSEPH	PEARL SITE PLAN A2	
	OWNER DATE	DATE 28 OCT 13	SITE ADDRESS LOT 420 (S5) WOOD DRIVE NORTHAM WA 6401	DATE: 12/2/2013 SCALE: 1:200 SHEET N°: 03 of 12	
	BUILDER DATE	DATE 28 OCT 13	SALES AB DRAWN ANJ CHECKED TK	REVISION N°: 2 JOB N°: 133314M	

APPROXIMATE
POSITION OF
PROPOSED DWELLING



**Proposed New Dwelling
Lot 420 (55) Wood Drive, Northam**

Ref: A15013/P1810

Figure Series 2 – Street setbacks

Intent

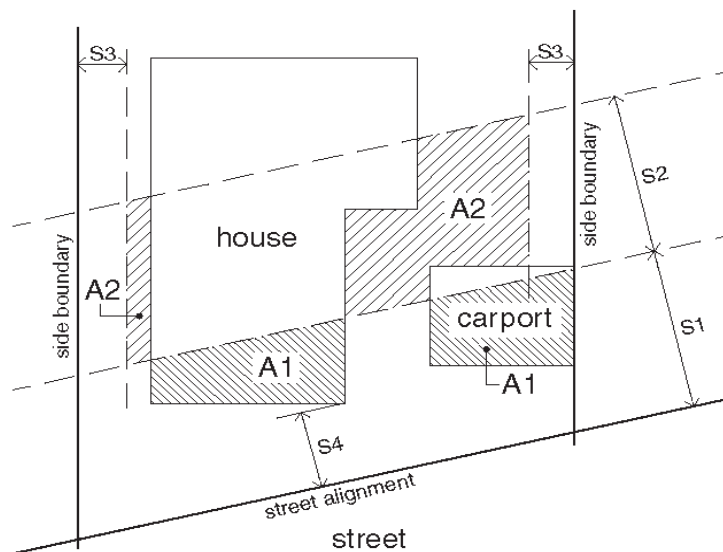
The purpose of Figure Series 2 is to illustrate how to determine **street setbacks** for the purposes of clause 5.1.2.

Development within the street setback is to be designed to limit the visual intrusion into views from neighbouring dwellings into the **street** and from along the street.

Figures

- S1 **Primary street setback** distance (Table 1)
- S2 Distance behind the **primary street setback**, equal to S1
- S3 Side boundary **setback** (Table 2a and 2b)
- S4 Maximum reduced **primary street setback** (half of S1)
- S5 Maximum 1m projection as per clause 5.1.2 C2.4
- A1 Area of building forward of **primary street setback**
- A2 Compensating open area behind **primary street setback**
- L1 Maximum 20 per cent of building façade

Figure 2a – Measuring primary street setbacks (clause 5.1.2 C2.1iii)



PEARL

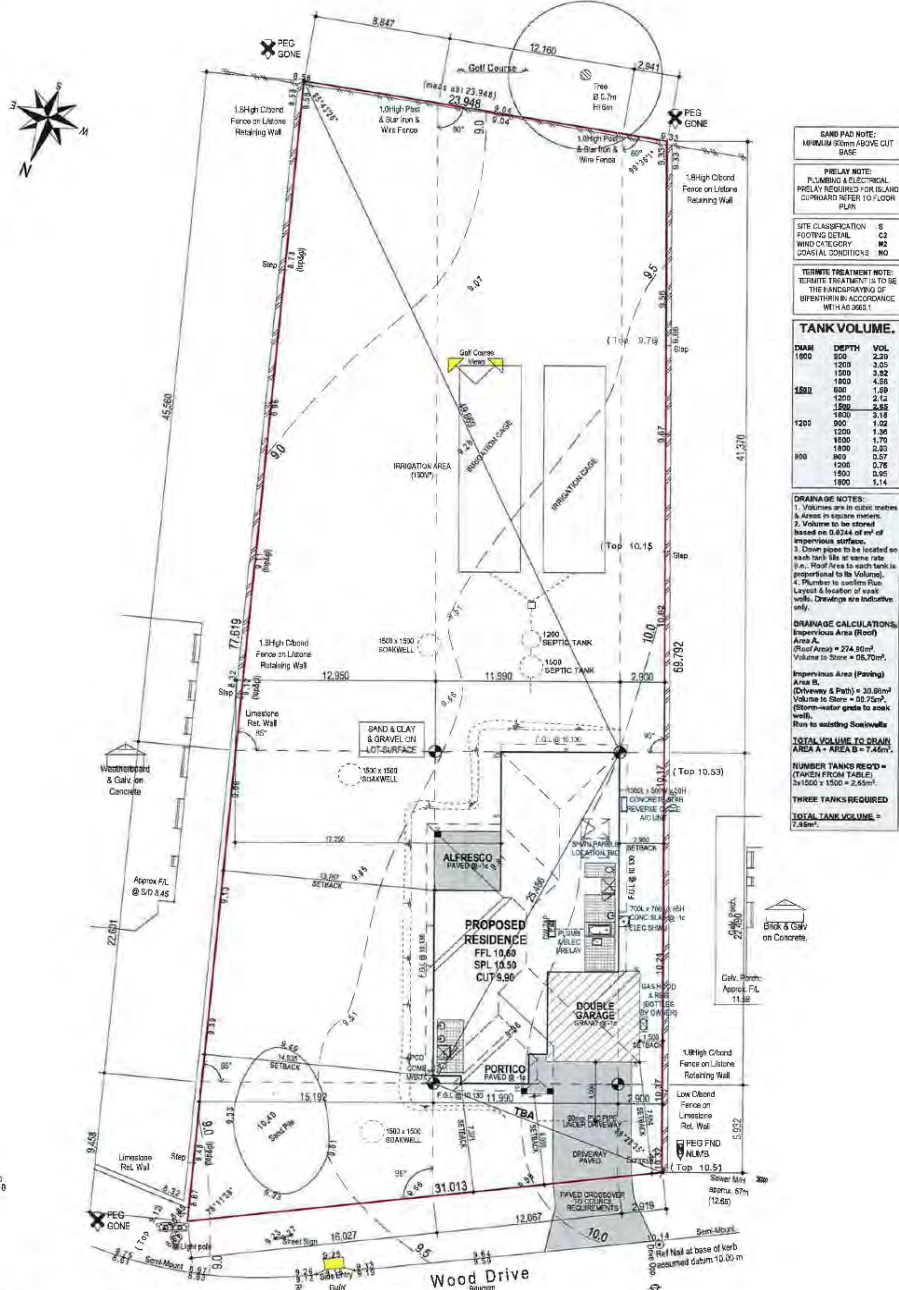
<p>COTTAGE & ENGINEERING SURVEYS Licensed Surveyors</p> <p>87-89 Guilford Street, Osborne Park, Western Australia Telephone: (08) 9445 7361 Facsimile: (08) 9445 2864 Email: pearl@cottage.com.au Website: www.cottage.com.au</p> <p>J/N: 323070 DATE: 28 Oct 13 SCALE: 1:200 DRAWN: P. Dunning</p>	<p>Builder: Redink Homes CLIENT: JOSEPH E99426 1755 Wood Drive, Northam</p> <p>D.Plan 54257</p>	<p>SOIL DESCRIPTION Sand / Gravel / Clay (Found) Light Grass Cover</p>	<p>NOTES: REFER TO SEC 78A T.L.A. SEE DOCUMENT K28183 (RELEVANT TO PERMITS)</p> <p>NOTE: LOT MISCLOSE (0.000 m)</p>
--	---	---	---

NOTE: All Sewer details plotted from information supplied by Water Corporation.

BEWARE: POSSIBLE SERVICE RUN IN & COST

NOTE: ALL FEATURES SHOWN ON SURVEY ARE POSITIONED FROM EXISTING PEGS/FENCES & WALLS WHICH MAY NOT BE ON THE CORRECT ALIGNMENT.

NOTE: COTTAGE & ENGINEERING SURVEYS ACCEPT NO RESPONSIBILITY FOR ANY PHYSICAL ON SITE CHANGES TO THE PARCEL OR PORTION OF THE PARCEL OF LAND SHOWN ON THIS SURVEY INCLUDING ANY ADDING NEIGHBOURS LEVELS AND FEATURES THAT HAVE OCCURRED AFTER THE DATE OF THIS SURVEY.



SAND PAD NOTE:
MINIMUM 900mm ABOVE GUT BASE

PRELAY NOTE:
P.LABING & ELECTRICAL PRELAY REQUIRED FOR ISLAND CYPRESSARD REFER TO 10/1-COOR PLAN

SITE CLASSIFICATION:
S FOOTING DETAIL C2
BOND CATEGORY M2
COASTAL CONDITIONS NO

TERRACE TREATMENT NOTE:
TERRACE TREATMENT IS TO BE THE RESPONSIBILITY OF BIFENTHRY IN ACCORDANCE WITH 4.6.06.01.1

TANK VOLUME:

DEPTN	DEPTH	VOL
1000	500	2.20
	1200	3.05
	1500	3.52
1800	500	4.58
	1200	1.59
	1500	2.13
2000	500	2.86
	1200	3.18
	1500	1.38
2500	500	1.70
	1200	2.23
	1500	0.27
3000	1200	0.78
	1500	0.85
1900	1.14	

DRAINAGE NOTES:
1. Volumes are in cubic metres & litres in litres metres.
2. Volume to be stored based on 0.024 of net of impervious surfaces.
3. Down pipes to be located on each tank side at same rate (i.e. Roof Area to spill tanks proportional to the Volume).
4. Plumber to confirm Run Layout & location of soak wells. Drawings are indicative only.

DRAINAGE CALCULATIONS:
Impervious Area (Roof) Area A: (Roof Area = 274.80m²)
Volume to Store = 06.72m³
Impervious Area (Paving) Area B: (Driveway & Path) = 33.65m²
Volume to Store = 00.72m³
Volume to Store = 07.44m³
Flow to existing Soakwells

TOTAL VOLUME TO STORE AREA A + AREA B = 7.46m³

NUMBER TANKS REQ'D = (TAKEN FROM TABLE) 3x1500 x 1500 = 2.55m³

THREE TANKS REQUIRED

TOTAL TANK VOLUME = 7.65m³

<p>redink</p> <p>THIS IS ONE OF THE DRAWINGS REFERRED TO IN THE CONTRACT:</p> <p>OWNER: _____ DATE: _____</p> <p>OWNER: _____ DATE: _____</p> <p>BUILDER: _____ DATE: _____</p>	<p>VARIAIONS:</p> <table border="1"> <thead> <tr> <th>REV</th> <th>DESCRIPTION</th> <th>CONTRACT</th> <th>DATE</th> <th>BY</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>CONTRACT</td> <td>DA</td> <td>14/11/13</td> <td>STEPHAN</td> </tr> <tr> <td>2</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>3</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>4</td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	REV	DESCRIPTION	CONTRACT	DATE	BY	1	CONTRACT	DA	14/11/13	STEPHAN	2					3					4					<p>CLIENT: JOSEPH</p> <p>LOT 420 (56) WOOD DRIVE NORTHAM WA 6401</p> <p>SALES: AS DRAWN: AMJ CHECKED: TK</p>	<p>PEARL</p> <p>SITE PLAN A2</p> <p>DATE: 5/12/2013 SCALE: 1:200 SHEET: 03 of 12</p> <p>REVISION NO: 2 JOB NO: 133314M</p>
REV	DESCRIPTION	CONTRACT	DATE	BY																								
1	CONTRACT	DA	14/11/13	STEPHAN																								
2																												
3																												
4																												

13.2.2 MORBY COTTAGE LOCAL STRUCTURE PLAN - MOORE STREET, KATRINE ROAD AND GOOMALLING ROAD, NORTHAM - INITIATION TO ADVERTISE

Name of Applicant:	Gray & Lewis on behalf of the landowners
Name of Owner:	Various Landowners as Structure Plan Area covers a number of different lots
File Ref:	3.1.8.16
Officer:	Phil Steven/Bronwyn Southee
Officer Interest:	Nil
Policy:	Structure Plan Preparation Guidelines issued by the Department of Planning
Voting:	Simple Majority
Date:	28 February 2014

PURPOSE

The applicant is requesting that approval be granted to advertise the “Morby Cottage Local Structure Plan” prepared for the area bounded by Moore Street, Katrine Road and Goomalling Road.

BACKGROUND

Background of Key Dates and Determinations

The following table lists the key dates in regards to this application.

Date	Item / Outcome
3 April 2013	Initial enquiry regarding the Morby Cottage Local Structure Plan received from Gray & Lewis
3 April 2013 - 28 August 2013	Preliminary advice and research
28 August 2013	Preliminary Structure Plan received for initial assessment
28 August 2013 - 29 October 2013	Assessment of Preliminary Structure Plan
29 October 2013	Letter sent to Gray & Lewis with advice following assessment
10 December 2013	Meeting with Gray & Lewis to discuss changes to the Structure Plan
6 February 2014	Modified Local Structure Plan received from Gray & Lewis
28 February 2014	Report prepared for Council

Local Structure Plans are recognised as an integral part of the planning process in the Western Australian Planning Commission’s *Structure Plan Preparation Guidelines*.

A Local Structure Plan is not itself a statutory document such as a Local Planning Scheme and Maps, however, due to incorporation of specific clauses in the Scheme its effect is similar in that it can define development and land use requirements and restrictions over land within the Shire.

The purpose of a Local Structure Plan is to guide subdivision and to demonstrate the overall capability of development over an area of land down to the level of road/lot layout and types of use and development. Information that is required at the subdivision stage e.g.: provision of building envelopes, detailed drainage designs, and road engineering are not necessary at this stage, however, sufficient investigation is required to ensure that these issues can be resolved at the time of subdivision.

Further to this, Local Structure Plans ensure wider strategic planning concerns are taken into account during the development process.

The intent of the plan is to guide future subdivision, land use and development over a large number of landholdings within this area.

It should be noted that approval is only being sought to advertise the proposal and that a detailed assessment of the structure plan is still required and will be conducted following consultation with government agencies, advertising to the general public and specific advertising to landowners directly affected by the Structure Plan prior to the Structure Plan returning to Council for adoption.

The proposed structure plan covers various lots bounded by Goomalling Road in the East, Quelquelling Road to the South, and Katrine Road and Moore Street to the west. All lots within this area are zoned "Residential R15".

The proposal now before Council is for a structure plan area comprising 36 lots in two areas, defined as "Area A" and "Area B". The entire Structure Plan area covers approximately 19.869ha which has potential to yield a maximum of approximately 155 lots if the Residential Design Codes average lot size is strictly utilised. This figure is an approximation because road area, drainage infrastructure and public open space (POS) has not been calculated within this area. Realistically, 140 new lots would be an appropriate estimate taking into account roads, drainage and POS.

A detailed report describing the proposal prepared by the applicant is included as an appendix to this report.

STATUTORY REQUIREMENTS

The lots within the Structure Plan are zoned "Residential R15" and the entire area is comprised of approximately 19.869 hectares.

Clause 5.31 of Local Planning Scheme No 6 details the requirements of Structure plans and the process required for assessment.

Section 5.3.2 is also applicable to this Structure Plan, it details that lots that have dual street frontage are permitted to develop at the R30 density, lots with dual frontage at R30 have been incorporated into the structure plan.

At this stage, staff consider the content of the Structure Plan sufficient to advertise in accordance with 5.31.5.1 of the Scheme.

CONFORMITY WITH THE STRATEGIC COMMUNITY PLAN

GOAL: To anticipate the land use needs within the Shire and implement planning decisions that ensure availability of appropriately zoned land that compliments orderly and environmentally sustainable growth and development.

Implementing a Structure Plan for the area bounded by Katrine Road, Moore Street and Goomalling Road would achieve orderly and environmentally sustainable growth and development and will ensure future stages are adequately planned and implemented.

BUDGET IMPLICATIONS

The applicant has paid \$5,000.00 in processing fees. The applicant may be required to pay additional fees in accordance with the Planning and Development Regulations 2009 if the costs for Shire staff time exceeds this amount.

OFFICER'S COMMENT

The Local Structure Plan submitted by the proponents represents a significant future development in the townsite of Northam.

Advertising of the Local Structure Plan will enable Council to consider the Plan for adoption and will enable the applicants to progress towards eventual subdivision of the land.

Consent to advertise the Local Structure Plan does not imply the Shire's support of the Plan, only that it is satisfactory for advertising. At this stage, preliminary assessment has been conducted by Officers and has determined the structure plan is of sufficient standard to advertise.

Following advertising, the Local Structure Plan will again be presented to Council and a full assessment will be undertaken incorporating any public submissions received as well as feedback from statutory referral agencies. It is at this stage that Council may choose to adopt, require modifications to or reject the Structure Plan.

Staff raise the following comments in relation to the Structure Plan.

Overall Structure Plan Layout

The entire Structure Plan area has been divided into two parts, being "Area A" and "Area B".

Area A is the area specifically covered by this Structure Plan and Area B will be further considered for subdivision under a modification of the Structure Plan. This modification will address such concerns as drainage, sewer, road and lot layout.

The following table shows the land owners within the structure plan area.

Landowner		Address			
DS	FREEMAN-SMITH	47	GOOMALLING	ROAD	NORTHAM
MC	SPRIGG	49	GOOMALLING	ROAD	NORTHAM
SJ	VINE	51	GOOMALLING	ROAD	NORTHAM
DR	GILL	53	GOOMALLING	ROAD	NORTHAM
TW	DAVEY ROBLES	55	GOOMALLING	ROAD	NORTHAM
D	WILLANS WILLANS	57	GOOMALLING	ROAD	NORTHAM
VL	CRAGAN CRAGAN	59	GOOMALLING	ROAD	NORTHAM
DJ	ELLIS ELLIS	61	GOOMALLING	ROAD	NORTHAM
SA	FOSTER FOSTER	63	GOOMALLING	ROAD	NORTHAM
JF	HOULDSWORTH HOULDSWORTH	81	GOOMALLING	ROAD	NORTHAM
AJ	STIDWORTHY STIDWORTHY	75	GOOMALLING	ROAD	NORTHAM
NM	KANAIR	1	MOORE	STREET	NORTHAM
JJ	USHER	3	MOORE	STREET	NORTHAM
KI	WHITE WHITE	1	QUELQUELLING	ROAD	NORTHAM
MA	CAMPBELL	3	QUELQUELLING	ROAD	NORTHAM
RA	SIDDONS	5	QUELQUELLING	ROAD	NORTHAM
GC	GILLIES GILLIES	7	QUELQUELLING	ROAD	NORTHAM
JT	CULLETON CULLETON	9	QUELQUELLING	ROAD	NORTHAM
MA	BUTTERSFIELD DYMNIKI	11	QUELQUELLING	ROAD	NORTHAM
W	SIBLEY SIBLEY	13	QUELQUELLING	ROAD	NORTHAM
	SHIRE OF NORTHAM	70	KATRINE	ROAD	NORTHAM
NM	KANAIR	72	KATRINE	ROAD	NORTHAM
S	PROSLMEYR PROSLMEYR	60	KATRINE	ROAD	NORTHAM
AB	DIXON PAINTER	56	KATRINE	ROAD	NORTHAM
GR	SCOLLAY SCOLLAY	52	KATRINE	ROAD	NORTHAM
RM	OLIVER OLIVER	48	KATRINE	ROAD	NORTHAM
HS	BURTON JACOBSON	65	GOOMALLING	ROAD	NORTHAM
AN	DHU DHU	43	GOOMALLING	ROAD	NORTHAM
KP	NORRISH NORRISH	45	GOOMALLING	ROAD	NORTHAM
FG	FENTON	30	KATRINE	ROAD	NORTHAM
JA	MOSS	32	KATRINE	ROAD	NORTHAM
FM	SHEEHY SHEEHY	34	KATRINE	ROAD	NORTHAM
LR	SHEEHY	36	KATRINE	ROAD	NORTHAM
WJR	SHEEHY SHEEHY	40	KATRINE	ROAD	NORTHAM
AN	OLIVER CHRISP		KATRINE	ROAD	NORTHAM

NEW LOCATION PROPOSED SUBDIVISION MAP ADDED

Staging Plan

The applicant is proposing a staging plan for Area A which will enable Lots 19 and 20 to be stage 1 with the remaining lots separated into the second and third stages.

As part of stage 1, Morby Cottage will be segregated onto its own lot with an upgrade to the car parking area.

Roads

The road layout will be considered in detail at final adoption of the Structure Plan and subdivision stage, however, roads have been considered with the view to providing maximum lot yield and appropriate drainage infrastructure.

Drainage

Drainage is proposed to be achieved through piped infrastructure and it is recommended that this be enforced throughout the Structure Plan and subdivision process.

Despite the geotechnical report indicating that soak wells are appropriate, experience within the townsite of Northam reveals that soak wells do not achieve adequate drainage due to low permeability. Therefore, piped drainage infrastructure is recommended.

Public Open Space

A staging plan has been proposed for public open space within the Structure Plan Area.

This will mean that open space will be allowed for progressively with the release of each stage and has been contributed on an 8% land area and 2% betterment basis.

Relevant Environmental/Locality Impacts

The Structure Plan area is located opposite the Northam and Districts Gun Club. The applicant has detailed that all prospective purchasers will be advised of proximity to the gun club through a notification on title.

Heritage

An Aboriginal Heritage Site has been identified on the opposite side of Katrine Road to the Structure Plan area. The Structure Plan will be advertised to the Department of Aboriginal Affairs for specific comment.

Fire Management

At this stage, it is not considered necessary for a Fire Management Plan to be submitted as the area has been classed as low fire risk.

Summary

Taking into consideration the above comments, it is recommended that Council consent to advertising of the Morby Cottage Local Structure Plan and that Council agree to reconsider the application once advertising is complete, along with any comments received from the public as well as any referral agencies. Given the significance of the proposal it is recommended that the advertising period be extended from 21 to 28 days and that it be advertised twice in a local newspaper in order to ensure the public is sufficiently informed of the proposal.

RECOMMENDATION

That Council consent to the advertising of the Morby Cottage Local Structure Plan for a period of 28 days including 2 insertions in a local newspaper on consecutive weeks.



Additional parking to be provided within POS for Morby Cottage

Existing Morby Cottage (Historic Site)

Overhead powerline to be relocated

POS TABLE:

SITE AREA:	5 2621ha
POS AT 10%:	5262m ²
POS PROVIDED:	5262m ²

LOT SUMMARY TABLE:

MINIMUM LOT AREA (R15):	580m ²
MAXIMUM LOT AREA (R15):	762m ²
AVERAGE LOT AREA (R15):	644m ²
MINIMUM LOT AREA (R30):	318m ²
MAXIMUM LOT AREA (R30):	400m ²
AVERAGE LOT AREA (R30):	346m ²

NOTE:
Under TPS No. 6 corner lots or dual frontage lots may be subdivided in accordance with the R30 Provisions of the Residential Design Codes (300m² average).

PROPOSED SUBDIVISION
 LOT 19 (No. 1) MOORE STREET &
 LOT 20 (No. 72) KATRINE ROAD
 NORTHAM

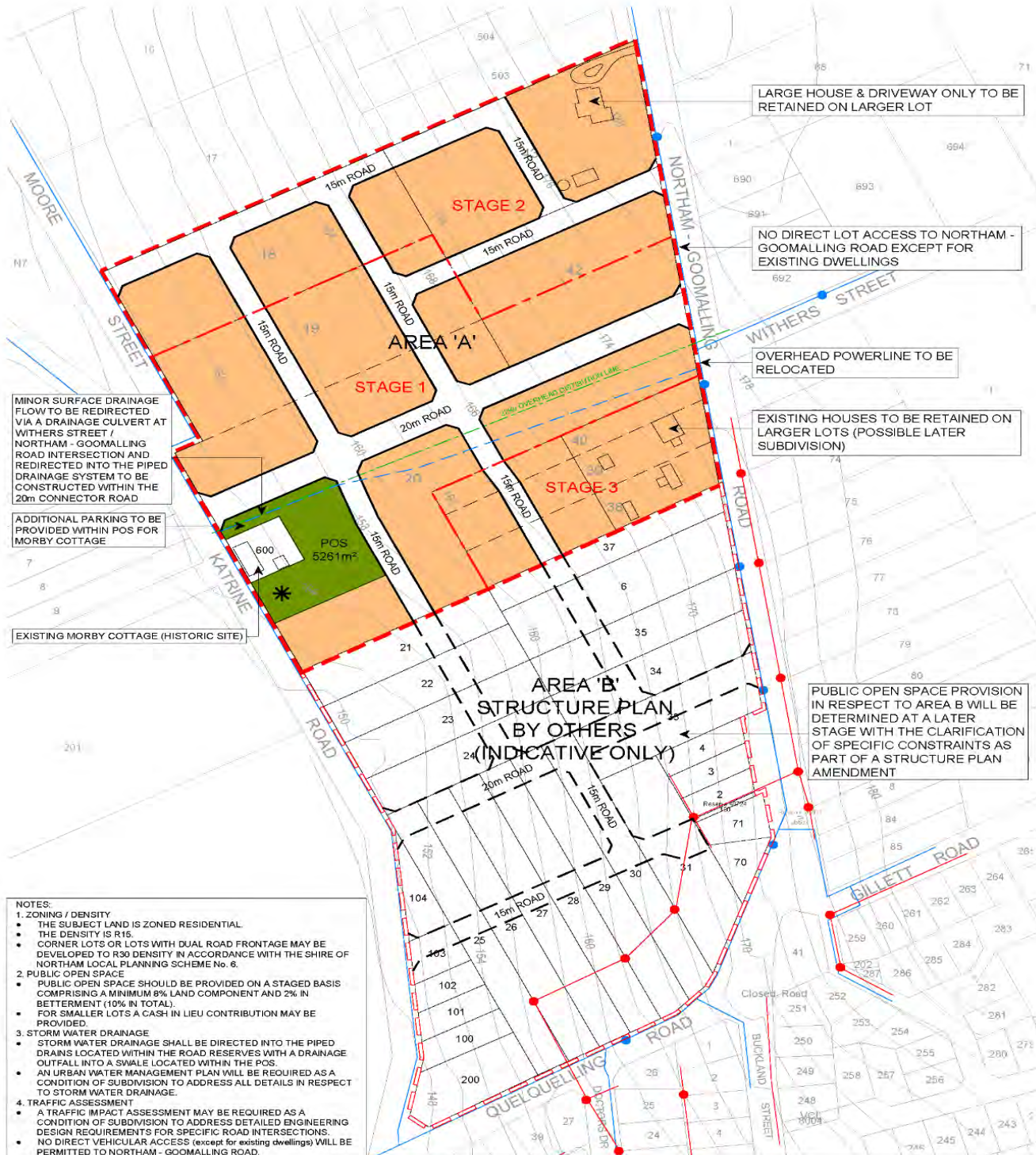
NOTE:
Areas and dimensions subject to survey.

- LEGEND**
- SUBJECT LAND
 - WATER
 - SEWER



GRAY & LEWIS
 LAND USE PLANNERS
 Suite 5, 2 Hardy Street
 South Perth, WA 6151
 T (08) 9474 1722
 F (08) 9474 1172
 parth@graylewis.com.au

JOB REFERENCE: 100515 DATE: 12th DECEMBER 2013
 THE DOCUMENT MAY ONLY BE USED FOR THE PURPOSE FOR WHICH IT WAS COMMISSIONED AND IN ACCORDANCE WITH THE TERMS OF ENGAGEMENT FOR THE COMMISSION. UNAUTHORISED USE OF THIS DOCUMENT IN ANY FORM WHATSOEVER IS PROHIBITED.



- NOTES:**
- ZONING / DENSITY**
 - THE SUBJECT LAND IS ZONED RESIDENTIAL.
 - THE DENSITY IS R15.
 - CORNER LOTS OR LOTS WITH DUAL ROAD FRONTAGE MAY BE DEVELOPED TO R30 DENSITY IN ACCORDANCE WITH THE SHIRE OF NORTHAM LOCAL PLANNING SCHEME No. 6.
 - PUBLIC OPEN SPACE**
 - PUBLIC OPEN SPACE SHOULD BE PROVIDED ON A STAGED BASIS COMPRISING A MINIMUM 8% LAND COMPONENT AND 2% IN BETTERMENT (10% IN TOTAL).
 - FOR SMALLER LOTS A CASH IN LIEU CONTRIBUTION MAY BE PROVIDED.
 - STORM WATER DRAINAGE**
 - STORM WATER DRAINAGE SHALL BE DIRECTED INTO THE PIPED DRAINS LOCATED WITHIN THE ROAD RESERVES WITH A DRAINAGE OUTFALL INTO A SWALE LOCATED WITHIN THE POS.
 - AN URBAN WATER MANAGEMENT PLAN WILL BE REQUIRED AS A CONDITION OF SUBDIVISION TO ADDRESS ALL DETAILS IN RESPECT TO STORM WATER DRAINAGE.
 - TRAFFIC ASSESSMENT**
 - A TRAFFIC IMPACT ASSESSMENT MAY BE REQUIRED AS A CONDITION OF SUBDIVISION TO ADDRESS DETAILED ENGINEERING DESIGN REQUIREMENTS FOR SPECIFIC ROAD INTERSECTIONS.
 - NO DIRECT VEHICULAR ACCESS (except for existing dwellings) WILL BE PERMITTED TO NORTHAM - GOOMALLING ROAD.

STRUCTURE PLAN

MOORE STREET & GOOMALLING, YORK & QUELQUELLING ROADS, DOCTORS HILL NORTHAM

NOTE: Areas and dimensions subject to survey.

LEGEND

- SUBJECT LAND
- WATER
- SEWER
- STAGE BOUNDARY
- * SWALE DRAINAGE TO BE LOCATED WITHIN POS

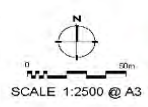


FIGURE 6

GRAY & LEWIS
LAND USE PLANNERS
 Suite 5, 2 Hardy Street
 South Perth, WA 6151
 T (08) 9474 1722
 F (08) 9474 1172
 perth@graylewis.com.au

JOB REFERENCE: 100516 DATE: 10th DECEMBER 2013
 THIS DOCUMENT MAY ONLY BE USED FOR THE PURPOSE FOR WHICH IT WAS COMMISSIONED AND IN ACCORDANCE WITH THE TERMS OF ENGAGEMENT FOR THE COMMISSION. UNAUTHORISED USE OF THIS DOCUMENT IN ANY FORM WHATSOEVER IS PROHIBITED.

13.2.3 SHIRE OF NORTHAM PROPOSED LOCAL BIODIVERSITY STRATEGY

Name of Applicant:	Internal
Name of Owner:	Shire of Northam
File Ref:	7.2.1.18
Officer:	Phil Steven
Officer Interest:	Nil
Policy:	Tree Preservation Policy
Voting:	Simple
Date:	5 March 2014

PURPOSE

For Council to commence the process of developing a Local Biodiversity Strategy for the Shire of Northam.

BACKGROUND

The Draft Corporate Business Plan lists an action to 'develop a Shire of Northam Local Biodiversity Strategy'.

Over 12 local governments have undertaken this process, predominantly within the metropolitan, south-west and peri-urban areas. Similar Local Governments include the Shires of Serpentine-Jarrahdale, Murray and Chittering.

The Western Australian Local Government Association (WALGA) in partnership with the Department of Planning, and Department of Parks & Wildlife (DoPaW) have developed Local Biodiversity Strategy guidelines, and also provide advice for local governments wishing to develop a strategy.

STATUTORY REQUIREMENTS

Section 1.3(3) of the Local Government Act 1995 states that *"In carrying out its functions, a Local Government is to use its best endeavors to meet the needs of current and future generations through integration of environmental protection, social advancement and economic prosperity."*

If the Local Biodiversity Strategy is adopted, it is expected that the Shire of Northam Local Planning Strategy, Scheme and Policies are amended to give legislative support to the implementation of the Biodiversity Strategy.

CONFORMITY WITH THE STRATEGIC COMMUNITY PLAN

Strategy N2.1 - Identify vulnerable environments or areas in need of protection

Strategy N2.6 - Support protection of existing & remnant vegetation and revegetation along waterways

BUDGET IMPLICATIONS

WALGA has been provided with State Government funding to provide assistance to Local Governments with the development of biodiversity strategies, particularly with mapping and statistics. This funding has been provided for the last 12 years, and is guaranteed until June 2014. After that time it is unclear whether the funding will continue, however WALGA will retain at least one staff member to assist, albeit in a reduced capacity if the funding is not renewed.

It is proposed that the Local Biodiversity Strategy will be coordinated in-house by Shire staff, with assistance by WALGA staff, however it may require some input from environmental consultants. Consultant funding will be listed in the 2014/15 draft Shire of Northam Budget.

OFFICER'S COMMENT

Sustainable development is defined as 'development that meets the needs of the present without compromising the ability of future generations to meet their needs'. Although it is sometimes unclear whether it is human activity that is degrading the environment, the Environmental Protection Authority has stated 'where there are threats of serious or irreversible damage, lack of full scientific certainty should not be used as a reason for postponing measures to prevent environmental degradation.'

To put it in perspective, biodiversity protection is not a romantic effort to create the illusion of a prior Eden, but is a highly rational effort to apply modern science to prevent further harmful reductions in high quality habitats and the species that they support.

Western Australia has over half of the biodiversity hot spots in Australia, attributable to its large geographical area. The southwest eco-region, which includes Northam, was in the top 25 biodiversity hotspots internationally, based on its diversity of flora and fauna, with mammal (7), bird (13), reptile (13) and frog (28) species threatened, yielding the highest level of rare and endangered species on the continent.

Biodiversity is important for peri-urban local governments like Northam because there remains a high level of biodiversity, and the community enjoys the social benefit of interacting with nature. Development is often attracted to peri-urban areas where it is more economical to develop, yet clearing is often required, so the threat to native species is relatively high, with 50% of threatened species in Australia located in the urban fringe. Further, there are limited strategic plans, and planning resources in peri-urban areas to manage the irreversible trend of converting rural land to urban land, and the further inland an area is, the less native bush is valued by its community

A brief environmental analysis of remnant vegetation in the Shire indicates that there is nearly 34,000 hectares of bushland in the Shire of Northam, which is less than 24% of what was present pre-European settlement. Nearly 9,000 hectares of bushland in the Shire of Northam is of regional or local significance. Whilst it is accepted that there is an inherent tension between development and biodiversity conservation, many local governments acknowledge they are in a good position to manage conservation locally, with a responsibility to preserve ecosystems for future generations. Without a strategy, development has been described as 'death by a thousand cuts' for natural local areas.

A local biodiversity strategy would recommend provisions to protect what may not already be protected within State government reserves. For example, local government reserves for 'parks and recreation' would be amended to include the purpose for 'conservation'. Bushland protection would be considered for natural local areas with an area greater than 20 hectares.

The development of a Local Biodiversity Strategy involves using data, statistics and mapping that is available through government departments and a WALGA environmental mapping tool to provide a basis for identifying significant local natural areas that require protection.

It is suggested that the concept is endorsed by Council relatively urgently, so that WALGA can commence extracting the necessary data required for the Strategy. That way, if the funding to WALGA is discontinued, the Shire of Northam will have the statistics and mapping required for its Strategy, and will be able to use this to continue with developing the Strategy, even if it is with less WALGA assistance.

Once endorsed, the next phase is to set up a Local Biodiversity Steering Group to discuss the proposed targets, which would largely be based on those described in State Environmental Policies. The membership would most likely involve representatives from Department of Parks & Wildlife (DePaW), Wheatbelt NRM, Department of Water (DoW), Avon Valley Environmental Society, Department of Planning (DoP), WALGA, Environmental Protection Authority (EPA), Department of Agriculture and the Shire (minimum one Councillor and staff member). This would be an advisory group rather than a Committee of Council. WALGA will provide the statistics to assist the group with setting targets.

It is recommended that Council nominate a suitable Elected Member representative, to sit on a steering group to oversee/assist with the project.

Once the targets have been determined, staff will commence the development of a draft Strategy. The Strategy will be presented to Council prior to advertising to the community for public comment.

RECOMMENDATION

That Council:

- 1. Endorse the proposal to commence the development of a Shire of Northam Local Biodiversity Strategy.**
- 2. Nominate the Executive Manager Development Services, and (_____ - Elected Member) as Council representatives on the Shire of Northam Local Biodiversity Strategy Steering Group.**
- 3. Invite representatives from Department of Parks & Wildlife (DePaW), Wheatbelt NRM, Department of Water (DoW), Avon Valley Environmental Society, Department of Planning (DoP), WALGA, Environmental Protection Authority (EPA), Department of Agriculture & Food to be members of the Shire of Northam Local Biodiversity Strategy Steering Group.**

13.3. CORPORATE SERVICES

13.3.1 ACCOUNTS AND STATEMENTS OF ACCOUNTS

Name of Applicant:	Internal Report
Name of Owner:	N/A
File Ref:	2.1.3.4
Officer:	Denise Gobbart
Officer Interest:	Nil
Policy:	Nil
Voting:	Simple Majority
Date:	4 March 2014

PURPOSE

The Accounts due and submitted to the Ordinary Council Meeting on 19 March 2014 are attached.

RECOMMENDATION

That Council endorse the payments for the period 1 February 2014 to 28 February 2014 as listed, which have been made in accordance with delegated authority reference number (M/F/F/Regs LGA 1995 S5.42)

Municipal Fund Bank Vouchers 33089 to 33185	\$ 216,433.06
Trust Bank Vouchers 1807 to 1814	\$ 22,743.31
EFT Trust Bank Vouchers EFT16071 to EFT16071	\$ 500.00
Municipal Fund Bank Electronic Fund Transfer EFT16059 to EFT16070 and EFT16072 to EFT16259	\$ 705,791.46
Direct Debit Fund Transfer 6741.1 and 6793.1	\$ 1,956.16
Municipal Fund Bank Electronic Fund Transfer Payroll 11/2/2014	\$ 231,823.08
Municipal Fund Bank Electronic Fund Transfer Payroll 25/2/2014	\$ 233,898.71
TOTAL	\$ 1,413,145.78

LIST OF ACCOUNTS DUE AND SUBMITTED TO COUNCIL FEBRUARY 2014				
CHQ/EFT	DATE	NAME	DESCRIPTION	AMOUNT
				\$
1807	10/02/2014	STALLION HOMES	REFUND OF KERB BONDS.	-\$ 5,000.00
1808	10/02/2014	CANCELLED PAYMENT		
1809	10/02/2014	CANCELLED PAYMENT		
1810	10/02/2014	DARRYL JOHN EDMONDSON	REFUND OF TRAP HIRE BOND.	-\$ 55.00
1811	10/02/2014	WARNER MARSHALL BROSNAN	REFUND OF TRAP HIRE BOND.	-\$ 55.00
1812	11/02/2014	SHIRE OF NORTHAM	MONTHLY BUILDING COMMISSION (BSL) FOR JANUARY 2014.	-\$ 151.25
1813	11/02/2014	BUILDER'S REGISTRATION BOARD OF WA	MONTHLY BUILDING FEES FOR JANUARY 2014.	-\$ 5,837.23
1814	11/02/2014	BUILDING & CONSTRUCTION INDUSTRY TRAINING FUND	MONTHLY BIULDING FEES FOR JANUARY 2014.	-\$ 11,644.83
			TOTAL CHEQUE TRUST	-\$ 22,743.31
EFT16059	03/02/2014	BT SUPER FOR LIFE	SUPERANNUATION CONTRIBUTIONS.	-\$ 462.50
EFT16060	03/02/2014	DENIS GRAHAM BERESFORD	COUNCILLOR PAYMENTS FOR JANUARY 2014.	-\$ 1,726.55
EFT16061	03/02/2014	DESMOND ARNOLD HUGHES	COUNCILLOR PAYMENTS FOR JANUARY 2014.	-\$ 1,726.55
EFT16062	03/02/2014	JULIE ELLEN WILLIAMS	COUNCILLOR PAYMENTS FOR JANUARY 2014.	-\$ 2,104.55
EFT16063	03/02/2014	KATHLEEN DAWN SAUNDERS	COUNCILLOR PAYMENTS FOR JANUARY 2014.	-\$ 1,726.55
EFT16064	03/02/2014	LLEWELLYN A W	COUNCILLOR PAYMENTS FOR JANUARY 2014.	-\$ 2,024.72
EFT16065	03/02/2014	PARAGON SUPERANNUATION FUND	SUPERANNUATION CONTRIBUTIONS.	-\$ 177.25
EFT16066	03/02/2014	RAYMOND MILNE HEAD	COUNCILLOR PAYMENTS FOR JANUARY 2014.	-\$ 1,726.55
EFT16067	03/02/2014	ROBERT WAYNE TINETTI	COUNCILLOR PAYMENTS FOR JANUARY 2014.	-\$ 1,726.55
EFT16068	03/02/2014	STEVEN BRUCE POLLARD	COUNCILLOR PAYMENTS FOR JANUARY 2014.	-\$ 6,379.55
EFT16069	03/02/2014	TERRY MATTHEW LITTLE	COUNCILLOR PAYMENTS FOR JANUARY 2014.	-\$ 2,726.55
EFT16070	03/02/2014	ULO RUMJANTSEV	COUNCILLOR PAYMENTS FOR JANUARY 2014.	-\$ 1,970.75
			SUB TOTAL EFT MUNICIPAL	-\$ 24,478.62
EFT16071	10/02/2014	RAYLENE BOUNDRY	REFUND OF BOOKING 1426.	-\$ 500.00
			TOTAL EFT TRUST	-\$ 500.00

CHQ/EFT	DATE	NAME	DESCRIPTION	AMOUNT
EFT16072	12/02/2014	MESSAGES ON HOLD	MESSAGES ON HOLD FROM 08/02/2014 TO 07/05/2014.	-\$ 246.99
EFT16073	12/02/2014	AVON REGION PEST CONTROL	SPRAY SPIDERS IN APEX PARK & TREAT SERVICE ROOM BEHIND TOILET BLOCK FOR FLEAS.	-\$ 154.00
EFT16074	12/02/2014	JR & A HERSEY PTY LTD	PURCHASE OF X108 RIGGER GLOVE, X120 COWGRAIN RIGGER, X12 WHITE S&M, X12 S&M FLURO PINK, X12 S&M YELLOW, X10 FLY NETS & X1 EARPLUGS PRO FOR ENGINEERING SERVICES.	-\$ 1,279.19
EFT16075	12/02/2014	OXTERS CEMETERY SERVICES	GRASS VALLEY & BAKERS HILL TOWNSITE MAINTENANCE INVOICING FROM 02/12/2013 TO 20/12/2013. PURCHASE OF ASSORTED TOILETRIES FOR BAKERS HILL HOOPER PARK TOILETS, CLACKLINE TOILETS, KATRINE TOILETS, THE VISITORS CENTRE & BERNARD PARK TOILETS. CEMETERY INVOICING FOR THE FORTNIGHT ENDING 31/01/2014. SUPPLY OF X4 NEW GRAVES & X4 GRAVE CERTIFICATION. BAKERS HILL PARK, BAKERS HILL REC CENTRE & CLACKLINE ABLUTIONS INVOICING FROM 06/01/2014 TO 31/01/2014.	-\$ 7,223.00
EFT16076	12/02/2014	SLAV'S CLEANING SERVICE	ADMINISTRATION CENTRE CONTRACT CLEANING FOR JANUARY, DEPOT AMENITIES ROOM, ABLUTIONS & OFFICES, APEX PARK TOILETS, BERNARD PARK TOILETS, VISITORS CENTRE, TOURIST BUREAU & MEETING ROOM, LIBRARY, VISITORS CENTRE TOILETS & COMMON AREAS & EXTRA CLEANING ON 24/01/2014 REMOVING FAECES.	-\$ 8,642.01
EFT16077	12/02/2014	CANCELLED PAYMENT		
EFT16078	12/02/2014	AG IMPLEMENTS NORTHAM PTY LTD	REPAIR DRIVE SHAFT & GEARBOX ON ENGINEERING SERVICES ROTASLASHER.	-\$ 2,946.93
EFT16079	12/02/2014	ALAN'S AUTO ELECTRICS	PRESSURE TEST SYSTEM, VAC SYSTEM, ADD OIL & DYE, GAS SYSTEM & TEST ON ISUZU, N4963.	-\$ 465.00
EFT16080	12/02/2014	ALL-WAYS FOODS	PURCHASE OF ASSORTED CONFECTIONARY FOR THE NORTHAM POOL.	-\$ 202.18
EFT16081	12/02/2014	ANDY'S PLUMBING SERVICE	ASSORTED REPAIRS AT THE TOWN HALL TOILETS. REMOVAL OF GAS STOVE & GAS HEATER FROM ST JOHNS. REPAIRS & ASSORTED WORKS DONE AT THE RIVERSEDGE CAFE & THE VISITORS CENTRE. REPAIR BURST WATER LINE & RETIC TIMER UNIT AT THE OLD RAILWAY STATION BUILDING. PLUMBING WORKS & REPAIRS AT THE OLD TOWN BUILDING. DISCONNECT & REMOVE GAS HEATER AT THE RSL HALL. ASSORTED REPAIRS AT UNIT 2, UNIT 3, UNIT 4 & UNIT 5 OF KURINGAL VILLAGE. ASSORTED WORKS AT BERNARD PARK TOILETS. CLEAR BLOCKED DRIAN LINES, REPAIR KITCHEN TAP, CHECK & REPAIR URINALS & REPAIR PLUMBING TO AMENITIES (MALE & FEMALE) AT THE ADMIN BUILDING. REPAIRS TO MALE TOILETS AT THE NORTHAM DEPOT. ASSORTED WORKS DONE TO THE MALE & FEMALES TOILETS AT JUBILEE PAVILION.	-\$ 14,910.50
EFT16082	12/02/2014	ANTHONY ROSKELL	CLEANING OF THE WUNDOWIE HALL & LIBRARY FROM 15/01/2014 TO 28/01/2014.	-\$ 250.00
EFT16083	12/02/2014	CANCELLED PAYMENT		
EFT16084	12/02/2014	AV ENGINEERING PTY LTD	POST HOLE DRIVER TOOL FOR GUIDE POSTS.	-\$ 550.00
EFT16085	12/02/2014	AV-SEC SECURITY SERVICES	ALARM ATTENDANCE AT THE REC CENTRE & THE VISITORS CENTRE 19/01/2014 & NORTHAM WASTE DEPOT SITE 23/01/2014.	-\$ 165.00
EFT16086	12/02/2014	AVON DEMOLITION & EARTHMOVING	INKPEN ROAD WASTE SITE MANAGEMENT & LOADER FUEL CARTAGE FROM 22/12/2013 TO 19/01/14.	-\$ 4,452.00
EFT16087	12/02/2014	CANCELLED PAYMENT		
EFT16088	12/02/2014	AVON VALLEY MOWER & CHAINSAW CENTRE	PURCHASE OF X1 FILLER CAP & X20 EDGER BLADES FOR ENGINEERING SERVICES.	-\$ 203.60
EFT16089	12/02/2014	AVON VALLEY NISSAN	10,000 KM SERVICE TO NISSAN NAVARA N.4056.	-\$ 224.00
EFT16090	12/02/2014	AVON VALLEY STOCK FEED & GARDEN SUPPLIES	LAWN MOWING AT KILLARA 02/12/2013 PURCHASE OF X4 AVIARY MIX, X4 LAYINGMASH & X2 SECONDS WHEAT FOR THE UP KEEP OF THE SWAN COLONY.	-\$ 374.60
EFT16091	12/02/2014	AVON WASTE	RUBBISH SERVICES FOR JANUARY 2014.	-\$ 110,332.72
EFT16092	12/02/2014	BEAUREPAIRES	SUPPLY OF X1 PUNCTURE FOR BRIGADES TRUCK & FUSO TIP TRUCK.	-\$ 115.56
EFT16093	12/02/2014	BLACKWELL PLUMBING PTY LTD	ANNUAL BACKFLOW PREVENTION DEVICES TESTING AT KILLARA.	-\$ 264.00
EFT16094	12/02/2014	BLOOMY'S FLORIST	SUPPLY OF X4 WREATHS FOR REMEMBRANCE DAY.	-\$ 240.00
EFT16095	12/02/2014	BOC LIMITED	SUPPLY OF OXYGEN MEDICAL C SIZE FOR FIRE PREVENTION, X1 BALLOON GAS D SIZE FOR AUSTRALIA DAY & OXYGEN MEDICAL C SIZE FOR THE NORTHAM POOL.	-\$ 139.51
EFT16096	12/02/2014	BOEKEMAN MACHINERY	PURCHASE OF X1 HOSE CLAMP & X1 GUN MODEL FOR ENGINEERING SERVICES.	-\$ 188.28
EFT16097	12/02/2014	BURGESS RAWSON (WA) PTY LTD	WATER USAGE 13/11/2013 TO 15/01/2014, WATER & SEWAGE RATES 01/01/2014 TO 28/02/2014 FOR THE SULLAGE WASTE POINT PEEL TERRACE.	-\$ 36.89
EFT16098	12/02/2014	BUSH CONTRACTING	SUPPLY H2O TRUCK & OPERATOR FOR GRAVEL ROAD MAINTENANCE FROM 10/12/2013 TO 18/12/2013.	-\$ 8,910.00
EFT16099	12/02/2014	CANCELLED PAYMENT		
EFT16100	12/02/2014	CLACKLINE FENCING CONTRACTORS	CAR IMPOUND YARD FENCE REPAIRS.	-\$ 300.00
EFT16101	12/02/2014	COUNTRY COPIERS NORTHAM	PURCHASE OF X1 BOX OF FLAT FILES, SUPPLY OF X1 FIXING FUSER FOR KILLARA. PURCHASE OF ASSORTED STATIONARY FOR THE REC CENTRE, ENGINEERING SERVICES & COMMUNITY SERVICES.	-\$ 979.86
EFT16102	12/02/2014	COURIER AUSTRALIA	COURIER AUSTRALIA CHARGES FOR THE REC CENTRE, DEPOT, COMMUNITY SERVICES & DEVELOPMENT SERVICES FROM 21/01/2014 TO 23/01/2014.	-\$ 147.68
EFT16103	12/02/2014	COVS PARTS PTY LTD	PURCHASE OF X1 JANITOR TROLLEY FOR KILLARA.	-\$ 189.00
EFT16104	12/02/2014	CROSSLAND & HARDY PTY LTD	CARRY OUT SURVEY OF PIT EXTENSION & SUPPLY PLAN FOR THE COLEBATCH LANDFILL SITE.	-\$ 1,872.75

EFT16105	12/02/2014	DALLIMORE CARPETS	SUPPLY & LAY FLOORCOVERINGS AT THE SENIORS HALL.	-\$	5,214.00
EFT16106	12/02/2014	DUNCAN GROUP INTERNATIONAL - CLACKLINE VALLEY OLIVES	PURCHASE OF X4 2012 EXTRA VIRGIN OIL FOR THE VISITORS CENTRE.	-\$	24.00
EFT16107	12/02/2014	EQUAL ENTERPRISES	GARDEN MAINTENANCE AT THE NORTHAM POOL 17/12/13.	-\$	243.00
EFT16108	12/02/2014	FLAT OUT FREIGHT	FREIGHT CHARGES FOR X20 GRADER BLADES FROM WESTRAC CENTURION TO THE DEPOT.	-\$	154.00
EFT16109	12/02/2014	FREINDS GARAGE	REPAIR COOLANT & HYDRAULIC LEAKS ON FUSO, N3885.	-\$	326.50
EFT16110	12/02/2014	FULTON HOGAN INDUSTRIES PTY LTD	PURCHASE OF X20 TN OF COLDMIX FOR THE DEPOT.	-\$	3,994.76
EFT16111	12/02/2014	GLENN STUART BEVERIDGE	DIG OUT ASBESTOS CONTAMINATED AREA IN WUNDOWIE & DISPOSE AT INKPEN TIP.	-\$	979.00
EFT16112	12/02/2014	HANSON CONSTRUCTION MATERIALS PTY LTD	SUPPLY OF X114.06 TN OF ROADBASE FOR SPENCERS BROOK ROAD.	-\$	3,299.76
EFT16113	12/02/2014	HOST AUTO REPAIRS	SERVICE ON MITSUBISHI CANTER, N003.	-\$	505.55
EFT16114	12/02/2014	IMMACU SWEEP	SWEEPING SERVICES IN THE SHIRE OF NORTHAM & FOOTPATHS SWEEPING IN THE TOWN CBD FROM 02/12/2013 TO 18/01/2014.	-\$	24,948.00
EFT16115	12/02/2014	INDEPENDENT VALUERS OF WESTERN AUSTRALIA	VALUATION SERVICES FOR ASSORTED PROPERTIES.	-\$	9,130.00
EFT16116	12/02/2014	CANCELLED PAYMENT			
EFT16117	12/02/2014	INTERCON MILLAR LOGISTICS (IML)	SUPPLY OF X2 CHLORINE 920KG TRIP RATE, X2 FUEL LEVY PERTH LINE HAULAGE.	-\$	1,648.58
EFT16118	12/02/2014	INVISION SIGNS AND DESIGNS	SUPPLY OF BUSINESS CARDS FOR RANGER SERVICES, VISITORS CENTRE, NICOLE HAMPTON & THE SHIRE OF NORTHAM. SUPPLY OF X1 CHRISTMAS BANNER.	-\$	1,413.06
EFT16119	12/02/2014	KERBTech P/L T/A GDR CIVIL CONTRACTING	GRIND TRIP HAZARDS IN FOOTPATH AROUND THE RIVER.	-\$	3,520.00
EFT16120	12/02/2014	LUPTONS LIQUID WASTE	EMPTY & BLAST OUT AROC TOILETS.	-\$	880.00
EFT16121	12/02/2014	MAIN ROADS WESTERN AUSTRALIA	FAGS COMPONENT FOR BRIDGE 4654 OVER MORTLOCK RIBER & MULUCKINE ROAD.	-\$	30,800.00
EFT16122	12/02/2014	MAYBERRY HAMMOND & CO	LEASE AGREEMENT FOR 269 FITZGERALD ST.	-\$	1,049.40
EFT16123	12/02/2014	METRO BEVERAGE CO PTY LTD	PURCHASE OF ASSORTED DRINKS FOR THE REC CENTRE.	-\$	232.85
EFT16124	12/02/2014	NATIONAL TAX MANAGER	RENEWAL OF SUBSCRIPTION TO TAX MADE EASY FOR THE 12 MONTH PERIOD ENDING 31/03/2015.	-\$	434.50
EFT16125	12/02/2014	NORTHAM & DISTRICTS GLASS SERVICE	MEASURE & REGLAZE ALUMINIUM WINDOW AT THE OLD TOWN BUILDING & THE AMBULANCE HALL.	-\$	1,681.90
EFT16126	12/02/2014	NORTHAM AUTO ELECTRICS	SUPPLY OF X1 BATTERY FOR FUSO TRUCK, N007 & X1 BATTERY FOR ISUZU TRUCK, N4963.	-\$	552.00
EFT16127	12/02/2014	NORTHAM BEARING SALES	PURCHASE OF X1 MALE BSP SWIVEL FOR BRIGADES, X2 GAS STRUT, X1 GREASE HOSE & FREIGHT FOR ENGINEERING SERVICES.	-\$	458.62
EFT16128	12/02/2014	NORTHAM CENTRAL NEWSAGENCY	SUPPLY OF ASSORTED NEWSPAPERS FOR KILLARA, ADMIN & THE LIBRARY FOR JANUARY 2014.	-\$	172.60
EFT16129	12/02/2014	NORTHAM COURIER SERVICE	COURIER SERVICES FOR NORTHAM DEPOT FOR DECEMBER 2014.	-\$	280.50
EFT16130	12/02/2014	NORTHAM FEED & HIRE	PURCHASE OF X2 PAL TRAY FOR RANGER SERVICES.	-\$	72.80
EFT16131	12/02/2014	NORTHAM GARDEN CENTRE	GARDEN SUPPLIES, X1 POWER FEED, X1 SEASOL & X1 WATER STORAGE CRYSTALS FOR STREET TREES.	-\$	49.95
EFT16132	12/02/2014	NORTHAM JUNIOR CRICKET ASSOCIATION	KIDSPORT FUNDING.	-\$	245.00
EFT16133	12/02/2014	NORTHAM MITRE 10 SOLUTIONS	PURCHASE OF X1 SHOVEL, X1 POLE TELESCOP, X56 GENERAL PURPOSE CEMENT & X1 BBQ SOLID PLATE FOR ENGINEERING SERVICES. PURCHASE OF X1 WRENCH OIL FILTER FOR THE WUNDOWIE POOL. PURCHASE OF X1 STRAP RATCHED & X3 ASSORTED TIE DOWNS FOR THE REC CENTRE. PURCHASE OF X1 SUPER GLUE, X4 KEY CUTTINGS & X4 KEY TAGS FOR THE OLD POST OFFICE BUILDING. PURCHASE OF X2 CHAIR LOW BACK FOR THE NORTHAM POOL.	-\$	1,055.92
EFT16134	12/02/2014	NORTHAM TOWING SERVICE	TOWING OF X1 FORD FALCON FROM 37 WELD ST TO THE SHIRE IMPOUND YARD 06/01/2014.	-\$	132.00
EFT16135	12/02/2014	NORTHAM TOYOTA	SUPPLY OF X1 WRENCH FOR TOYOTA, N9324. 20,000KM SERVICE ON TOYOTA, N10709.	-\$	405.70
EFT16136	12/02/2014	PARKERVILLE JUNIOR FOOTBALL CLUB	KIDSPORT FUNDING.	-\$	200.00
EFT16137	12/02/2014	PELICAN MANUFACTURING PTY LTD	SUPPLY OF X3 STAND UP FLOOR NURSE CALL ALARM 2 BANDS & PLUS FREIGHT & PACKING FOR KILLARA.	-\$	672.20
EFT16138	12/02/2014	PORTER CONSULTING ENGINEERS	CLAIM FOR WORK COMPLETED TO 15/11/2013 REGARDING THE AVON HEALTH & COMMUNITY SERVICES PRECINCT DEVELOPMENT.	-\$	15,111.25
EFT16139	12/02/2014	PRITCHARD BOOKBINDERS	BINDING OF COUNCIL MINUTES.	-\$	126.50
EFT16140	12/02/2014	RAYLENE BOUNDRY	REFUND BOOKING OF THE SOUND SHELL AS NOT ALLOWED ON POLICE ADVICE. BOOKING #1426.	-\$	94.00
EFT16141	12/02/2014	RC SODABLAST	REMOVAL OF GRAFFITI AT THE VISITORS CENTRE.	-\$	220.00
EFT16142	12/02/2014	RED DOT STORES	PURCHASE OF ASSORTED ITEMS FOR AUSTRALIA DAY CELEBRATIONS.	-\$	107.69
EFT16143	12/02/2014	CANCELLED PAYMENT			
EFT16144	12/02/2014	ROCLA PIPELINE PRODUCTS	PURCHASE OF X2 R210506 & X2 RRING1050 FOR CROKE AVE.	-\$	1,367.87

EFT16143	12/02/2014	CANCELLED PAYMENT		
EFT16144	12/02/2014	ROCLA PIPELINE PRODUCTS	PURCHASE OF X2 R210506 & X2 RRING1050 FOR CROKE AVE.	-\$ 1,367.87
EFT16145	12/02/2014	SIMPSON FIONA LESLEY	CLEANING OF THE WUNDOWIE PUBLIC TOILETS FOR JANUARY 2014.	-\$ 770.00
EFT16146	12/02/2014	SPECIALISED TREE SERVICE	EMERGENCY CALL OUT TO CLEAR FALLEN LIMB FROM TREE AT THE NORTHAM BMX TRACK.	-\$ 720.00
EFT16147	12/02/2014	STAPLES AUSTRALIA PTY LIMITED	PURCHASE OF ASSORTED STATIONARY FOR THE ADMIN.	-\$ 696.95
EFT16148	12/02/2014	STEVE'S HIGH PRESSURE CLEANING	PRESSURE CLEAN SOUND SHELL 11/01/2014.	-\$ 264.00
EFT16149	12/02/2014	THE CANCER COUNCIL WESTERN AUSTRALIA	SUPPLY OF ASSORTED POSTERS FOR THE ADMIN BUILDING.	-\$ 87.30
EFT16150	12/02/2014	THE FARM SHOP	PURCHASE OF X5 WOOLPACK FOR THE DEPOT.	-\$ 61.99
EFT16151	12/02/2014	THE LIMES ORCHARD STAY - PT & JA PERKINS	PURCHASE OF ASSORTED DRINKS FOR THE VISITORS CENTRE.	-\$ 112.40
EFT16152	12/02/2014	THE WEST AUSTRALIAN	GENERAL FEATURES 30/11/2013.	-\$ 375.00
EFT16153	12/02/2014	THE WORKWEAR GROUP	PURCHASE OF UNIFORMS FOR JENNIFER BECKER & ALYSHA MAXWELL.	-\$ 46.20
EFT16154	12/02/2014	THELMA FRAYNE	PURCHASE OF ASSORTED STOCK FOR THE VISITORS CENTRE.	-\$ 108.00
EFT16155	12/02/2014	CANCELLED PAYMENT		
EFT16156	12/02/2014	WAY OUT WEST CINEMA	SUPPLY OF MOVIES AT THE NORTHAM POOL, WUNDOWIE OVAL, BAKERS HILL OVAL & BERNARD PARK.	-\$ 5,720.00
EFT16157	12/02/2014	WESTERN AUSTRALIAN LOCAL GOVERNMENT ASSOCIATION	ADVERTISEMENT FOR THE VISITORS CENTRE MANAGER, ADVISE OF LEASE, ANNUAL ELECTORS MEETING, THE SHIRE NEWSLETTER & HARVEST HOT WORKS.	-\$ 2,985.88
EFT16158	12/02/2014	WESTRAC EQUIPMENT PTY LTD	PURCHASE OF X100 BOLTS & X100 NUTS FOR THE DEPOT.	-\$ 179.20
EFT16159	12/02/2014	WG & RJ ASHMAN	MOWING/SLASHING OF ASSORTED PROPERTIS IN THE SHIRE OF NORTHAM.	-\$ 770.00
EFT16160	12/02/2014	WHEATBELT GP NETWORK (GENERAL PRACTICE)	PRE EMPLOYMENT MEDICAL FOR LACHLAN JOHN SCOTT.	-\$ 119.00
EFT16161	12/02/2014	WHEATBELT SAFETYWEAR	PURCHASE OF X24 SUN BLOCKS, X12 LIP BALM STICKS, X24 RIGGER GLOVES, X10 WIDE BRIM HATS, X24 SAFETY GLASSES, X6 WORK PANTS, X4 HI VIS SHIRTS, X1 HAT & X3 WORK JEANS FOR ENGINEERING SERVICES.	-\$ 1,111.00
EFT16162	12/02/2014	WOODLANDS DISTRIBUTORS & AGENCIES	PURCHASE OF X4 LIQUID CARBON (20L) & LIQUITEC (20L) FOR HENRY ST OVAL.	-\$ 373.53
EFT16163	12/02/2014	WORMALD FIRE (WA)	ROUTINE INSPECTION & MAINTENANCE FROM 01/01/2014 TO 31/01/2014 AT THE NORTHAM TOWN HALL.	-\$ 137.04
EFT16164	12/02/2014	YORK SWIMMING CLUB	KIDSPORT FUNDING.	-\$ 1,670.00
EFT16165	12/02/2014	ZENIEN	CCTV SYSTEMS CONSULTING/INSTALLATION AT THE AVON MALL.	-\$ 528.00
EFT16166	12/02/2014	ZIPFORM	SUPPLY OF X5000 MUNICIPAL CHEQUES.	-\$ 1,282.60
EFT16167	18/02/2014	BT SUPER FOR LIFE	SUPERANNUATION CONTRIBUTIONS.	-\$ 462.50
EFT16168	18/02/2014	DEPARTMENT OF ENVIRONMENT REGULATION	OCTOBER TO DECEMBER LANDFILL LEVY RETURN FOR INKPEN & OLD QUARRY ROAD TIPSITES.	-\$ 2,538.91
EFT16169	18/02/2014	PARAGON SUPERANNUATION FUND	SUPERANNUATION CONTRIBUTIONS.	-\$ 177.25
EFT16170	19/02/2014	TOTAL EDEN PTY LTD T/A HYDRO ENGINEERING	DESIGN & CONSTRUCT BAKERS HILL OVAL RETICULATION INCLUDING ONE TANK & PUMP STATION IN ACCORDANCE WITH THE TENDER SIX DOCUMENTATION.	-\$ 99,584.10

EFT16171	19/02/2014	AUSTRALIAN TAXATION OFFICE	JANUARY BAS 2014.	-\$ 103,372.00
EFT16172	27/02/2014	LANDGATE	RURAL UV'S CHARGEABLE, SCHEDULE: R2014/1 DATES 16/11/2013 TO 10/01/2014. GROSS RENTAL VALUATIONS CHARGEABLE, SCHEDULE NO.G2014/13 DATED 23/11/2013 TO 20/12/2013 & SCHEDULE NO.G2014/1 DATED 21/12/2013 TO 17/01/2013.	-\$ 386.32
EFT16173	27/02/2014	OXTERS CEMETERY SERVICES	PURCHASE OF GARBAGE BAGS FOR THE DEPOT. CEMETERY INVOICING FOR THE FORTNIGHT ENDING 14/02/2014, X3 NEW GRAVE & X3 GRAVE CERTIFICATION.	-\$ 3,189.72
EFT16174	27/02/2014	QUIN'S GOURMET BUTCHERS	PURCHASE OF X500 BBQ SAUSAGES FOR THE AUSTRALIA DAY BREAKFAST 2014.	-\$ 300.00
EFT16175	27/02/2014	A TEAM PRINTING PTY LTD	SUPPLY OF X6000 FLYERS FOR MOVIES BY TWILIGHT.	-\$ 398.20
EFT16176	27/02/2014	ADVANCED TRAFFIC MANAGEMENT (WA) PTY LTD	DOCUMENTATION FEE & TMP APPROVAL.	-\$ 881.10
EFT16177	27/02/2014	ALL-WAYS FOODS	PURCHASE OF ASSORTED CANTEEN STOCK FOR THE NORTHAM POOL.	-\$ 2,667.46
EFT16178	27/02/2014	ALTHEA DECOR	COMPLETION OF THE CURTAINS FOR THE MEMORIAL HALL.	-\$ 4,384.00
EFT16179	27/02/2014	ANDY'S PLUMBING SERVICE	REPLACE U/S SINGLE FLUSH CISTERN WITH NEW DUO STYLE DUCT TYPE CISTERN, ALTER PLUMBING TO SUIT NEW INSTALLATION, RESECURE LOOSE BASINS, SUPPLY & INSTALL NEW TAPS TO BASINS & SHOWERS, REPLACE DAMAGED PIPE WORK & TAP, VANDAL DAMAGE TO BACK CORNER OF BUILDING, CLEAN OUT BLOCKED SEWER LINES, REPLACE 4 PAN SETS BROKEN WITH NEW, REPAIR DAMAGED BUBBLE TAP OUTSIDE WATER TAP, REPLACE DAMAGED 50MM VENT LINE OUTSIDE KITCHEN AREA, REPLACE TAP & PIPE WORK TO BACK OUTSIDE TAP, VANDAL DAMAGE AT BERT HAWKE.	-\$ 3,498.00
EFT16180	27/02/2014	ANTHONY ROSKELL	CLEANING OF THE WUNDOWIE HALL & LIBRARY FROM 29/01/2014 TO 11/02/2014.	-\$ 250.00
EFT16181	27/02/2014	ANTONIQUE GRAY	PETTY CASH REFUND.	-\$ 102.17
EFT16182	27/02/2014	ARCUS AUSTRALIA PTY LTD	PURCHASE OF X2 ARCUS WATER COOLER CABINETS FOR THE REC CENTRE.	-\$ 4,004.00
EFT16183	27/02/2014	AUSTRALIA DAY COUNCIL OF WESTERN AUSTRALIA	SUPPLY OF X300 AUSTRALIAN FLAG TEMPORARY TATTOOS.	-\$ 177.00
EFT16184	27/02/2014	AUSTRALIA POST	AUSTRALIA POST ACCOUNT FOR JANUARY 2014.	-\$ 2,631.33
EFT16185	27/02/2014	AV ENGINEERING PTY LTD	MODIFY RIMS & SUPPLY 5 RIMS & TYRES, REMOVE TRAILER TOP & REPLACE GALV MESH ON MOWER.	-\$ 3,350.45
EFT16186	27/02/2014	AV-SEC SECURITY SERVICES	ALARM ATTENDANCE 28/01/2014 AT THE ADMIN BUILDING, 31/01/2014 AT THE WUNDOWIE LIBRARY, 12/01/2014 & 25/01/2014 AT AVAS & NIGHTLY PATROL AT KILLARA FROM 06/12/2014 TO 20/01/2014.	-\$ 2,893.00
EFT16187	27/02/2014	AVON DEMOLITION & EARTHMOVING	MANAGEMENT & LOADER FUEL CARTAGE AT THE INKPEN RD WASTE SITE FROM 21/01/2014 TO 02/02/2014.	-\$ 1,792.00
EFT16188	27/02/2014	AVON SPICE CAFE	SUPPLY OF ASSORTED MEALS FOR OCM 19/02/2014.	-\$ 340.00
EFT16189	27/02/2014	AVON TELECOMS PTY LTD	SECURITY MONITORING FOR MARCH FOR THE AVON VALLEY ARTS SOCIETY, VISITORS CENTRE, SES, BURT HAWKE OVAL, WUNDOWIE LIBRARY & THE TELECENTRE SECURITY MONITORING FOR NORTHAM RECREATION CENTRE.	-\$ 287.86
EFT16190	27/02/2014	AVON VALLEY CONTRACTORS	HIRE OF KOMATSU LOADER 24/01/2014 TO LIFT COLVERT IN AT CROKE AVE. HIRE OF SIX WHEELER TRUCK 16/01/2014 TO CART PIPES FROM ROCLA TO NORTHAM. HIRE OF KOMATSU LOADER 14/01/2014 TO LOAD DIRT AT AIR PORT, SIX WHEELER TRUCK TO CART DIRT TO AIR PORT & BACKHOE TO INSTALL COLVERT & LEVEL DIRT. HIRE OF LOWLOADER 30/01/2014 TO CART ROLLER FROM PERTH TO BAKERSHILL.	-\$ 3,432.00
EFT16191	27/02/2014	AVON VALLEY STOCK FEED & GARDEN SUPPLIES	LAWNMOWING AT KILLARA 28/01/2014. PURCHASE OF X3 POTTING MIX FOR ENGINEERING SERVICES. PURCHASE OF X36 R/C BGC FOR THE DOG POUND. PURCHASE OF X1 SECONDS WHEAT, X2 LAYING MASH & X2 LINSEED FOR THE WHITE SWANS.	-\$ 1,249.92
EFT16192	27/02/2014	AVON WASTE	SUPPLY OF EXTRA BINS FOR THE MARKETS, DOGS DAY OUT, PINK RIBBON WALK EVENT & THE CHRISTMAS CARNIVAL.	-\$ 406.35
EFT16193	27/02/2014	AVONBROOK WINES	SUPPLY OF MORNING TEA FOR X20 PEOPLE AT KILLARA. SUPPLY OF LUNCH FOR X26 PEOPLE AT KILLARA.	-\$ 890.00
EFT16194	27/02/2014	BLACKWELL PLUMBING PTY LTD	INSTALLED COLD WATER DRINKING FOUNTAIN AT NORTHAM RECREATION CENTRE.	-\$ 759.00
EFT16195	27/02/2014	BOC LIMITED	SUPPLY OF X1 OXYGEN MEDICAL C SIZE FOR BRIGADES. SUPPLY OF BALLOON GAS D SIZE FOR AUSTRALIA DAY CELEBRATIONS.	-\$ 115.27
EFT16196	27/02/2014	BRIDGELEY COMMUNITY CENTRE	REIMBURSEMENT OF GRANT EXPENDITURE FOR 2013 CHRISTMAS CAROLS.	-\$ 2,250.10
EFT16197	27/02/2014	BULLIVANTS PTY LTD	PURCHASE OF X20 SPRING HOOKS FOR THE DEPOT.	-\$ 67.10
EFT16198	27/02/2014	C.Y.O'CONNOR INSTITUTE	WORD TRAINING FOR ASSORTED STAFF.	-\$ 659.70
EFT16199	27/02/2014	CEMETERIES & CREMATORIA ASSOCIATION OF WA	REGISTRATION TO CEMETERIES & CREMATORIA ASSOCIATION OF WESTERN AUSTRALIA 2014 ANNUAL GENERAL MEETING AND ONE DAY SEMINAR REGIONAL CEMETERY SOLUTIONS".	-\$ 400.00
EFT16200	27/02/2014	CENTRAL DISTRICTS AIRCONDITIONING	JOB ATTENDANCE & LABOUR CHARGE TO CHECK OPERATION OF AIR CONDITIONING AT BERT HAWKE PAVILLION. REMOVED MOUSE ON INDOOR PCB, RE-SET OVERLOAD RELAY & RESTORED POWER TO UNIT TO RESTORE OPERATIONS AT BERT HAWKE PAVILION.	-\$ 285.00

EFT16201	27/02/2014	CENTRAL MOBILE MECHANICAL REPAIRS	SERVICE ON GRADER, N002 & TYRE ROLLER.	-\$ 1,614.80
EFT16202	27/02/2014	CHEFMASTER AUSTRALIA	PURCHASE OF ASSORTED BIN LINERS FOR RANGER SERVICES.	-\$ 430.60
EFT16203	27/02/2014	COUNTRY COPIERS NORTHAM	SUPPLY OF SERVICE ON PHOTOCOPIER AT ADMIN.	-\$ 1,382.65
EFT16204	27/02/2014	CUTLINE ENGRAVING	SUPPLY OF NAME BADGE FOR ANASTASIA WILLIAMS, SUSAN BURLEY & CAROL ROUTLEY.	-\$ 74.25
EFT16205	27/02/2014	DAVID ANTHONY LYONS	RATES REFUND FOR ASSESSMENT A15350.	-\$ 117.54
EFT16206	27/02/2014	DOWNER EDI WORKS	SUPPLY OF X4000L CATONIC RAPID SET & X4 IBC'S FOR ENGINEERING SERVICES.	-\$ 5,205.20
EFT16207	27/02/2014	DRACO AIR PTY LTD	INSTALLATION OF X2 FUJITSU DUCTED UNITS FOR THE OLD TOWN COUNCIL HOUSE.	-\$ 20,295.00
EFT16208	27/02/2014	DUN & BRADSTREET AUSTRALIA	EXTERNAL SOLICITORS CHARGES FOR ASSORTED ASSESSEMENTS. COMMISSION ON D&B COLLECTION.	-\$ 642.30
EFT16209	27/02/2014	DUNLOP G D	TO LOCATE ALL SERVICES AT THE BMX TRACK FOR NEW LIGHTING TOWERS, HIRE OF EXCAVATOR & TRENCHER TO DIG FOR CONDUIT INSTALLATION.	-\$ 4,442.90
EFT16210	27/02/2014	DUNNING INVESTMENTS PTY LTD	DUNNINGS FUEL ACCOUNT FOR JANUARY 2014.	-\$ 22,790.75
EFT16211	27/02/2014	FIRE AND SAFETY WA	PURCHASE OF X5 SHUT OFF BRANCH SERVICE KITS FOR BRIGADES.	-\$ 459.25
EFT16212	27/02/2014	GLENN STUART BEVERIDGE	SUPPLY & INSTALL LOCKWOOD DOOR CLOSER, INSTALL CHAIN ON DOOR, PAINT POSTS AT BERT HAWK PAVILLION. PAINT OVER GRAFITI ON DOORS, REPAIR X2 PLAY GROUND GATES & REPAIR DAMAGED FENCE, REPAIR TOILET LOCKS, RE-INSTALL SHADE SAIL AT BERNARD PARK. REPAIR SUBSIDED BRICK PAVING & RE-INSTALL SHADE SAIL AT APEX PARK. TRY TO RECTIFY OVEN DOOR AT THE RIVERS EDGE CAFE. RE-INSTALL X3 SHADE SAILS AT THE WUNDOWIE PLAYGROUND. ASSORTED REPAIRS AT THE NORTHAM POOL. SUPPLY & INSTALL NEW ROLLERS & HOUSING TO REAR FLY DOOR AT UNIT 2 KURINGAL VILLAGE. CLEAN OUT ALL GUTTER & BOX GUTTERS AT UNIT 8 KURINGAL VILLAGE. RECTIFY LARGE DOOR & NAIL FLOOR BOARDS AT THE RAILWAY MUSEUM. CLEAN ALL DECKING & RE-OIL AT AVAS, OLD GIRLS SCHOOL & MORBY COTTAGE. REMOVE DOORS & REPLACE LOCKS IN LARGE STAGE DOORS AT THE SOUND SHELL. RECTIFY DOOR TO MAKE GOOD AT THE KATRINE TOILET BLOCK. REPLACE SHELVES AFTER WINDOW REPLACED AT THE OLD TOWN BUILDING. INSTALL LIMESTONE BLOCKS AROUND THE FENCE LINE AT THE DOG POUND. LAY LIMESTONE BLOCKS AT THE BASKETBALL COURTS.	-\$ 13,541.00
EFT16213	27/02/2014	GRAFTON ELECTRICS	REPAIR FAULT TO BERNARD PARK PUMP. CALL OUT SUNDAY 08/12/2013 TO REPAIR POWER FAULT AT BERT HAWKE. SUPPLY EXTENSION CORDS FOR THE REC CENTRE. REPLACE FLOOD LIGHT AT BERNARD PARK. REPLACE FLURO IN STORM ROOM AT THE VISITORS CENTRE.	-\$ 1,151.70
EFT16214	27/02/2014	GREENLANE SOLUTIONS AUSTRALIA	RESET SYSTEM TO CLEAR PARK KEYS VIA REMOTE ACCESS. WORK COMPLETED: 30/01/2014.	-\$ 99.00
EFT16215	27/02/2014	INLAND PLUMBING & TOTAL RETICULATION	PURCHASE OF ASSORTED SPRINKLER PARTS FOR THE WUNDOWIE TOWNSITE. PURCHASE OF X20 HUNTER SPRINKLERS FOR APEX PARK.	-\$ 1,723.04
EFT16216	27/02/2014	INVISION SIGNS AND DESIGNS	RE-SKIN EXISTING SIGN FOR THE NORTHAM POOL.	-\$ 121.00
EFT16217	27/02/2014	IW PROJECTS	CONSULTING SERVICES: DRAFT LANDFILL OPERATIONS TENDER DOCUMENTATION, SEND TO CLIENT FOR REVIEW, RECIEVE COMMENTS, FINALISE TENDER, DISCUSSIONS RE TENDER WAY FORWARD.	-\$ 4,735.50
EFT16218	27/02/2014	JOANNA KAY LARDNER	SPONSORSHIP FOR KIMBERLY & CASSANDRA TO COMPLETE IN STATE TEAM AT NATIONAL CALISTHENICS COMPETITION.	-\$ 200.00
EFT16219	27/02/2014	K & N TRADITIONAL LANDSCAPES	BEING FOR THE REMOVAL OF RENDER & PAINTWORK FROM THE END WALL OF MORBY COTTAGE & REPOINT STONEMWORK. FINISH POINTING TO WINDOWS & DOORWAY.	-\$ 12,000.00
EFT16220	27/02/2014	KELYN TRAINING SERVICES	COURSE FOR BASIC WORKSITE TRAFFIC MANAGEMENT & TRAFFIC CONTROL FOR CHRIS BARTON.	-\$ 350.00
EFT16221	27/02/2014	MCDOWALL AFFLECK PTY LTD	HOURLY RATES FOR SITE VISIT & CONDITION REPORT REGARDING THE TOWN CENTRE DRAINAGE DESIGN.	-\$ 6,044.50
EFT16222	27/02/2014	MCLEODS BARRISTERS & SOLICITORS	LEGAL ADVICE HEALTH ACT NOTICES.	-\$ 984.39
EFT16223	27/02/2014	METRO BEVERAGE CO PTY LTD	PURCHASE OF CANTEEN STOCK FOR THE REC CENTRE.	-\$ 235.05
EFT16224	27/02/2014	MIROS VUKOYEVICH	REIMBURSMENT FOR PRE-EMPLOYMENT MEDICAL & POLICE CLEARANCE.	-\$ 205.50
EFT16225	27/02/2014	MORRIS PEST AND WEED CONTROL	ERADOCATE BEE HIVE FROM TREE IN FRONT OF COURTHOUSE. PROVIDE TERMITE TREATMENT TO DEPOT SHED.	-\$ 385.00
EFT16226	27/02/2014	NORRISH SERVICE GROUP	PURCHASE OF X1 PIN NORTHAM SHIRE & LABOUR CHARGE.	-\$ 106.23
EFT16227	27/02/2014	NORTHAM MITRE 10 SOLUTIONS	PURCHASE OF ASSORTED TOOLS & EQUIPMENT FOR ENGINEERING SERVICES. PURCHASE OF X2 NUT SETTERS FOR THE TREATED WASTE WATER RETICULATION. PURCHASE OF X1 TIMER TAP AUTOMATIC DIGITAL SET DOPE FOR THE NORTHAM LIBRARY. PURCHASE OF X2 KEY CUTTINGS FOR THE GIRL GUIDS HALL & X1 BATTERY FOR THE LIBRARY. PURCHASE OF X1 CONTROLLER BATT FOR THE WUNDOWIE HALL GARDEN. PURCHASE OF X1 DOWEL ASH FOR DEVELOPMENT SERVICES. SUPPLY OF X4 GAS EXCHANGE FOR THE REC CENTRE. PURCHASE OF X1 GLOVE FOR RANGER SERVICES.	-\$ 601.38
EFT16228	27/02/2014	NORTHAM TYREPOWER	SUPPLY OF X1 TYRE REPAIR ON FERRIS YANMAR MOWER.	-\$ 30.00
EFT16229	27/02/2014	NORTHAM WADO RYU KARATE CLUB	KIDSPORT FUNDING.	-\$ 290.00
EFT16230	27/02/2014	ORICA AUSTRALIA PTY LTD	SUPPLY OF CHLORINE GAS FOR THE TREATED WASTE WATER RETICULATION.	-\$ 2,442.00
EFT16231	27/02/2014	PERTH HILLS AND WHEATBELT BAND	SUPPLY OF BAND FOR AUSTRALIA DAY 2014.	-\$ 1,200.00
EFT16232	27/02/2014	PERTH REGION NRM	WORK SHOP FOR ANNIQUE GRAY.	-\$ 120.00
EFT16233	27/02/2014	RETAIL DECISIONS (COLES)	COLES ACCOUNT FOR JANUARY 2014.	-\$ 4,827.23
EFT16234	27/02/2014	RIVERJET PTY LTD	SUPPLY OF CCTV UNIT FOR THE VISITORS CENTRE.	-\$ 4,400.00
EFT16235	27/02/2014	ROAD SIGNS AUSTRALIA	PURCHASE OF ASSORTED SIGNS FOR ENGINEERING SERVICES.	-\$ 917.95
EFT16236	27/02/2014	ROCLA PIPELINE PRODUCTS	PURCHASE OF X3 R46006L LONG JOINT, X3 RRING600 RUBBER RING & X3 HWW600 HEADWALL FOR ENGINEERING SERVICES.	-\$ 2,762.10
EFT16237	27/02/2014	RURAL PRESS REGIONAL MEDIA (WA) PTY LTD	SUPPLY OF X5 ADVOCATES FROM 20/01/2014 TO 26/01/2014 & 27/01/2014 TO 02/02/2014 FOR THE VISITORS CENTRE. ADVERTISEMENT OF THE ANNUAL ELECTORS MEETING, LEASE OF VACATION CARE, LOCAL PLANNING POLICIES, AUSTRALIA DAY 2014 & THE NORTHAM NEWSLETTER.	-\$ 1,837.51

EFT16238	27/02/2014	SAMANTHA CORBETT	REIMBURSEMENT OF POLICE CLEARANCE FOR DRIVER & VEHICLE SERVICES TRAINING.	-\$	63.50
EFT16239	27/02/2014	SHERRIN RENTALS	HIRE OF 24 TONNE TYRED ROLLER FROM 01/12/2013 TO 31/12/2013 FOR SPENCERS BROOK RD.	-\$	4,826.24
EFT16240	27/02/2014	SIGMA CHEMICALS	PURCHASE OF X25 PHOTOMETER NO 1 (10) TABS/STRIP, X25 PHOTOMETER PHENOL RED (10) STRIP, POSTAGE FOR NORTHAM POOL.	-\$	66.50
EFT16241	27/02/2014	SPECIALE SMASH REPAIRS	REPAIR X2 CHIPS IN WINDSCREEN ON FALCON, N.333. SUPPLY & FIT WINDSCREEN ON TOYOTA, KILLARA4.	-\$	440.00
EFT16242	27/02/2014	SPORTS POWER NORTHAM	PURCHASE OF X14 POLOS & X4 MOLTEN BASKETBALLS FOR THE REC CENTRE.	-\$	599.96
EFT16243	27/02/2014	SQUIRE SANDERS (AU)	NATIVE TITLE CLAIMS: SNC #1 (WAD6006/2003) & SNC#2 (WAD6012/2003)(LOCAL GOVERNMENTS).	-\$	107.71
EFT16244	27/02/2014	CANCELLED PAYMENT			
EFT16245	27/02/2014	TATIANA BEIDAR	REIMBURSEMENT OF POLICE CLEARANCE FOR DRIVER & VEHICLE SERVICES TRAINING.	-\$	63.50
EFT16246	27/02/2014	TENNANT AUSTRALIA	SERVICE OF WALK BEHIND SCRUBBER.	-\$	432.30
EFT16247	27/02/2014	TYRECYCLE PTY LTD	PICK UP OF X4 PASSENGER, X20 LIGHT TRUCK, X34 TRUCK, COLLECTED ON 02/01/2014 FROM OLD QUARRY TIP.	-\$	459.12
EFT16248	27/02/2014	UMBRELLA MULTICULTURAL COMMUNITY CARE	REIMBURSEMENT OF WAGES FOR MIRKA VUKOJEVICH.	-\$	852.15
EFT16249	27/02/2014	VALLEY FORD	SERVICE ON FALCON, N3333.	-\$	267.00
EFT16250	27/02/2014	WATER DYNAMICS WELSHPOOL	PURCHASE OF X50 BLACK NOZZLES, X25 25MM ADAPTORS FOR THE WUNDOWIE OVAL.	-\$	137.85
EFT16251	27/02/2014	WESTERN AUSTRALIAN LOCAL GOVERNMENT ASSOCIATION	ADVERTISEMENT FOR THE COMMUNITY SAFETY EXPO & PURCHASE OF X30 ADDITIONAL WALGA DESKPAD CALENDARS.	-\$	711.93
EFT16252	27/02/2014	WHEATBELT SAFETYWEAR	PURCHASE OF X2 STEEL CAP GUM BOOTS, X3 CARGO PANTS & X1 LEATHER HAT FOR ENGINEERING SERVICES.	-\$	228.50
EFT16253	27/02/2014	WILLIAMSON D & S	HIRE OF 6 WHEEL TIPPER TO CART GRAVEL FROM BAKERS HILL TO SPENCERS YORK RD FROM 04/02/2014 TO 11/02/2014.	-\$	4,840.00
EFT16254	27/02/2014	WREN OIL	WASTE DISPOSAL OF X2600 L WASTE OIL.	-\$	334.57
EFT16255	27/02/2014	WRIGHT EXPRESS FUEL CARDS AUSTRALIA LTD	FUEL CHARGES FOR JANUARY 2014.	-\$	659.42
EFT16256	27/02/2014	WUNDOWIE PROGRESS ASSOCIATION	SHIRE CONTRIBUTION TO WUNDOWIE AUSTRALIA DAY BREAKFAST.	-\$	955.73
EFT16257	04/03/2014	BT SUPER FOR LIFE	SUPERANNUATION CONTRIBUTIONS.	-\$	462.50
EFT16258	04/03/2014	PARAGON SUPERANNUATION FUND	SUPERANNUATION CONTRIBUTIONS.	-\$	177.25
EFT16259	04/03/2014	WESTERN AUSTRALIAN LOCAL GOVERNMENT ASSOCIATION	ADVERTISEMENT FOR THE SENIOR BUILDING SURVEYOR.	-\$	1,753.18
			TOTAL EFT MUNICIPAL	-\$	681,312.84

CHQ/EFT	DATE	NAME	DESCRIPTION	AMOUNT
33089	03/02/2014	AUSTRALIAN SUPER PTY LTD	SUPERANNUATION CONTRIBUTIONS.	-\$ 150.60
33090	03/02/2014	HESTA SUPER FUND	SUPERANNUATION CONTRIBUTIONS.	-\$ 150.60
33091	03/02/2014	SHIRE OF NORTHAM	PAYROLL DEDUCTIONS	-\$ 1,192.00
33092	03/02/2014	AMP LIFE LIMITED	SUPERANNUATION CONTRIBUTIONS.	-\$ 227.25
33093	03/02/2014	AUSTRALIAN SERVICES UNION	PAYROLL DEDUCTIONS	-\$ 48.88
33094	03/02/2014	AUSTSAFE SUPER	SUPERANNUATION CONTRIBUTIONS.	-\$ 178.32
33095	03/02/2014	CHILD SUPPORT AGENCY	PAYROLL DEDUCTIONS	-\$ 418.53
33096	03/02/2014	COMMONWEALTH SUPERSELECT	SUPERANNUATION CONTRIBUTIONS.	-\$ 302.40
33097	03/02/2014	LOCAL GOVERNMENT AND RACECOURSE EMPLOYEES UNION	PAYROLL DEDUCTIONS	-\$ 19.40
33098	03/02/2014	MLC NAVIGATOR ACCESS SUPER AND PENSION	SUPERANNUATION CONTRIBUTIONS.	-\$ 84.11
33099	03/02/2014	REST SUPERANNUATION	SUPERANNUATION CONTRIBUTIONS.	-\$ 353.06
33100	03/02/2014	SMITHS SHELL SERVICES	PURCHASE OF UNLEADED FUEL FOR KILLARA	-\$ 50.00
33101	03/02/2014	SUPERWRAP	SUPERANNUATION CONTRIBUTIONS.	-\$ 259.71
33102	03/02/2014	SYNERGY	ELECTRICITY CHARGES FOR ASSORTED PROPERTIES IN THE SHIRE OF NORTHAM FROM 14/11/2013 TO 15/01/2014.	-\$ 4,687.10
33103	03/02/2014	TELSTRA CORPORATION	CHARGES FROM 15/12/2013 TO 14/01/2014 FOR THE NORTHAM DISTRICT SES.	-\$ 29.95
33104	03/02/2014	THE INDUSTRY SUPERANNUATION FUND (TISF)	SUPERANNUATION CONTRIBUTIONS.	-\$ 165.45
33105	03/02/2014	WA SUPER	SUPERANNUATION CONTRIBUTIONS.	-\$ 26,144.04
33106	03/02/2014	WATER CORPORATION	WATER CHARGES FOR ASSORTED PROPERTIES IN THE SHIRE OF NORTHAM FOR JANUARY & FEBRUARY 2014.	-\$ 1,680.24
33107	03/02/2014	WESTSCHEME	SUPERANNUATION CONTRIBUTIONS.	-\$ 471.07
33108	03/02/2014	ZURICH AUSTRALIA LIMITED	SUPERANNUATION CONTRIBUTIONS.	-\$ 177.25
33109	03/02/2014	ZURICH INSURANCE	PAYMENT OF EXCESS (VEHICLE N3651 IMPACTED 1BXN629).	-\$ 1,000.00
33110	12/02/2014	PFD FOOD SERVICES PTY LTD	PURCHASE OF ASSORTED DRINKS, ICE CREAMS & FOODS FOR THE NORTHAM POOL.	-\$ 4,279.70
33111	12/02/2014	SHIRE OF NORTHAM	FOOD BUSINESS REGISTRATION HIGH RISK 31/12/2014.	-\$ 268.00
33112	12/02/2014	WATER CORPORATION OF WA	WELDING/FABRICATION/CONSTRUCTION.	-\$ 557.72
33113	12/02/2014	YAKKA	PURCHASE OF UNIFORM FOR ALISON ROWLAND.	-\$ 55.00
33114	12/02/2014	ANNE LETCH	PREPARATION OF INFORMATION FOR PROVENANCE CARDS FOR THE ART COLLECTION.	-\$ 375.00
33115	12/02/2014	AVON FIBRETECH	REPAIRS TO ROUND ABOUT IN FITZGERALD ST.	-\$ 1,650.00
33116	12/02/2014	AVON VALLEY TRANSPORT	MOWING AT THE NORTHAM AIRPORT.	-\$ 1,100.00
33117	12/02/2014	BROOK & MARSH PTY LTD SURVEYORS	LEVEL & FEATURE SURVEY SUPERTOWN HATTON STREET.	-\$ 8,800.00
33118	12/02/2014	CITY OF COCKBURN	CHARGES FOR DAMAGED ITEM.	-\$ 18.70
33119	12/02/2014	COCA-COLA AMATIL (AUST) PTY LTD	PURCHASE OF ASSORTED DRINKS FOR THE NORTHAM POOL.	-\$ 1,487.18
33120	12/02/2014	EMMA HUTCHINSON	REIMBURSEMENT FOR POLICE CLEARNANCE.	-\$ 63.50
33121	12/02/2014	FREMANTLE CITY LIBRARY AND INFORMATION SERVICE	CHARGES FOR LOST BOOK.	-\$ 10.00
33122	12/02/2014	FULL BOAR SAFETY PTY LTD	PURCHASE OF X500 HESSIAN BAGS FOR STORM DAMAGE PREPARATION.	-\$ 590.00
33123	12/02/2014	JEF SALES & SERVICE	REPAIRS TO BRUSHCUTTER & EDGER.	-\$ 165.00
33124	12/02/2014	LG PEOPLE	SUPPLY OF WORKFORCE PLANNING STRATEGY IMPLEMENTATION.	-\$ 7,500.00
33125	12/02/2014	LITTLE RED APPLE PUBLISHING	PURCHASE OF X1 BOOK FOR THE LIBRARY.	-\$ 19.95
33126	12/02/2014	LUDGATE R	SUPPLY OF WATER TRUCK & OPERATOR FROM 14/01/2014 TO 23/01/2014.	-\$ 6,056.00
33127	12/02/2014	NORTHAM BOWLING CLUB INC	SPONSORSHIP: LADIES SINGLES, LADIES CLASSIC, MENS SINGLES & MENS CARNIVAL.	-\$ 2,200.00
33128	12/02/2014	NORTHAM JUNIOR FOOTBALL ASSOCIATION	KIDSPORT FUNDING.	-\$ 465.00
33129	12/02/2014	NORTHAM SCOUT GROUP	KIDSPORT FUNDING.	-\$ 2,000.00

33130	12/02/2014	PATTON'S PANEL & PAINT	SUPPLY & FIT WINDSCREEN & MOULD TO NISSAN NAVARA N4056 CESC VEHICLE.	-\$	400.00
33131	12/02/2014	PETTY CASH	PETTY CASH RECOUP FOR ADMIN FROM 01/01/2014 TO 10/02/2014.	-\$	181.45
33132	12/02/2014	QUAIRADING AQUATIC CLUB	KIDSPORT FUNDING.	-\$	755.00
33133	12/02/2014	SHIRE OF CHITTERING	REIMBURSEMENT FOR X3 ROOMS (RURAL MANAGEMENT CHALLENGE).	-\$	300.00
33134	12/02/2014	SYNERGY	ELECTRICITY CHARGES FOR ASSORTED PROPERTIES IN THE SHIRE OF NORTHAM FROM 12/11/2013 TO 24/01/2014	-\$	43,773.15
33135	12/02/2014	TELS TRA CORPORATION	TELSTRA MOBILE ACCOUNT FOR JANUARY/FEBRUARY & CHARGES TO 22/01/2014 FOR THE BAKERS HILL BFB.	-\$	1,451.98
33136	12/02/2014	VICE IVAN NIZICH	REFUND FOR INFRINGEMENT ISSUED IN ERROR DUE TO UNUSUAL SHAPE OF PROPERTY. RECEIPT#67602.	-\$	250.00
33137	12/02/2014	VODAFONE	PHONE CHARGES FOR THE BRIGADES & SES FROM 23/01/2014 TO 22/02/2014.	-\$	1,811.19
33138	12/02/2014	WATER CORPORATION	WATER CHARGES FOR ASSORTED PROPERTIES IN THE SHIRE OF NORTHAM FOR FEBRAURY 2014.	-\$	10,496.44
33139	12/02/2014	WUNDOWIE GOLF CLUB INC	COMMUNITY GRANT FOR THE REPLACEMENT OF X9 FLAG STICKS & CUPS.	-\$	800.00
33140	18/02/2014	AUSTRALIAN SUPER PTY LTD	SUPERANNUATION CONTRIBUTIONS.	-\$	151.13
33141	18/02/2014	HESTA SUPER FUND	SUPERANNUATION CONTRIBUTIONS.	-\$	151.13
33142	18/02/2014	SHIRE OF NORTHAM	PAYROLL DEDUCTIONS.	-\$	1,075.00
33143	18/02/2014	AMP LIFE LIMITED	SUPERANNUATION CONTRIBUTIONS.	-\$	227.25
33144	18/02/2014	AUSTRALIAN SERVICES UNION	PAYROLL DEDUCTIONS.	-\$	48.88
33145	18/02/2014	AUSTSAFE SUPER	SUPERANNUATION CONTRIBUTIONS.	-\$	180.24
33146	18/02/2014	CHILD SUPPORT AGENCY	PAYROLL DEDUCTIONS.	-\$	418.53
33147	18/02/2014	COMMONWEALTH SUPERSELECT	SUPERANNUATION CONTRIBUTIONS.	-\$	302.40
33148	18/02/2014	LOCAL GOVERNMENT AND RACECOURSE EMPLOYEES UNION	PAYROLL DEDUCTIONS.	-\$	19.40
33149	18/02/2014	MLC NAVIGATOR ACCESS SUPER AND PENSION	SUPERANNUATION CONTRIBUTIONS.	-\$	206.68
33150	18/02/2014	REST SUPERANNUATION	SUPERANNUATION CONTRIBUTIONS.	-\$	394.70
33151	18/02/2014	SUPERWRAP	SUPERANNUATION CONTRIBUTIONS.	-\$	259.71
33152	18/02/2014	SYNERGY	ELECTRICITY CHARGES FOR THE ADMIN BUILDING FROM 19/12/2013 TO 15/01/2014.	-\$	1,927.50
33153	18/02/2014	THE INDUSTRY SUPERANNUATION FUND (TISF)	SUPERANNUATION CONTRIBUTIONS.	-\$	229.10
33154	18/02/2014	WA SUPER	SUPERANNUATION CONTRIBUTIONS.	-\$	24,828.89
33155	18/02/2014	WESTSCHEME	SUPERANNUATION CONTRIBUTIONS.	-\$	466.63
33156	18/02/2014	ZURICH AUSTRALIA LIMITED	SUPERANNUATION CONTRIBUTIONS.	-\$	177.25
33157	27/02/2014	NORTHAM RESIDENTIAL COLLEGE	REFUND OF PAYMENT FOR LODGING HOUSE LICENCE AS SUCH LICENCE IS NOT REQUIRED.	-\$	104.00
33158	27/02/2014	PFD FOOD SERVICES PTY LTD	STOCK PURCHASES FOR THE NORTHAM POOL CANTEEN.	-\$	1,746.95
33159	27/02/2014	A COUNTRY PRACTICE	CHARGES FOR X1 CAT'S STERILISATION.	-\$	900.00
33160	27/02/2014	COCA-COLA AMATIL (AUST) PTY LTD	PURCHASE OF ASSORTED DRINKS FOR THE NORTHAM POOL.	-\$	3,193.27
33161	27/02/2014	FULL BOAR SAFETY PTY LTD	PURCHASE OF X1000 HESSIAN SAND BAGS.	-\$	1,050.00
33162	27/02/2014	KAREENA MAY CROWE	RATES INCENTIVE PRIZE DONATED BY THE AVON VALLEY ADVOCATE.	-\$	250.00
33163	27/02/2014	NORTHAM BETTA ELECTRICAL	PURCHASE OF X3 FUJIFILM CAMERAS FOR THE DEPOT.	-\$	327.00

33164	27/02/2014	NORTHAM JUNIOR FOOTBALL ASSOCIATION	KIDSPORT FUNDING.	-\$	3,480.00
33165	27/02/2014	PETTY CASH	PETTY CASH RECOUP FOR NORTHAM VISITORS CENTRE & KILLARA.	-\$	394.05
33166	27/02/2014	R & T SAFFIOTI	TRAVEL SUPPORT FOR RACHEL SAFFIOTI CHAMPION OF CHAMIONS HIGHLAND DANCING WA TEAM MEMBER.	-\$	100.00
33167	27/02/2014	SYNERGY	ELECTRICITY CHARGES FOR ASSORTED PROPERTIES IN THE SHIRE OF NORTHAM FROM 06/12/2013 TO 19/02/2014.	-\$	3,305.45
33168	27/02/2014	TELSTRA CORPORATION	TELSTRA CHARGES FOR THE NORTHAM SES TO 04/05/2014.	-\$	129.28
33169	27/02/2014	WATER CORPORATION	WATER CHARGES FOR ASSORTED PROPERTIES IN THE SHIRE OF NORTHAM FOR MARCH 2014.	-\$	5,099.48
33170	04/03/2014	AUSTRALIAN SUPER PTY LTD	SUPERANNUATION CONTRIBUTIONS.	-\$	151.13
33171	04/03/2014	HESTA SUPER FUND	SUPERANNUATION CONTRIBUTIONS.	-\$	151.13
33172	04/03/2014	SHIRE OF NORTHAM	PAYROLL DEDUCTIONS.	-\$	1,075.00
33173	04/03/2014	AMP LIFE LIMITED	SUPERANNUATION CONTRIBUTIONS.	-\$	227.25
33174	04/03/2014	AUSTRALIAN SERVICES UNION	PAYROLL DEDUCTIONS.	-\$	48.88
33175	04/03/2014	AUSTSAFE SUPER	SUPERANNUATION CONTRIBUTIONS.	-\$	177.36
33176	04/03/2014	CHILD SUPPORT AGENCY	PAYROLL DEDUCTIONS.	-\$	587.80
33177	04/03/2014	COMMONWEALTH SUPERSELECT	SUPERANNUATION CONTRIBUTIONS.	-\$	302.40
33178	04/03/2014	LOCAL GOVERNMENT AND RACECOURSE EMPLOYEES UNION	PAYROLL DEDUCTIONS.	-\$	19.40
33179	04/03/2014	MLC NAVIGATOR ACCESS SUPER AND PENSION	SUPERANNUATION CONTRIBUTIONS.	-\$	249.69
33180	04/03/2014	REST SUPERANNUATION	SUPERANNUATION CONTRIBUTIONS.	-\$	434.78
33181	04/03/2014	SUPERWRAP	SUPERANNUATION CONTRIBUTIONS.	-\$	145.23
33182	04/03/2014	THE INDUSTRY SUPERANNUATION FUND (TISF)	SUPERANNUATION CONTRIBUTIONS.	-\$	201.96
33183	04/03/2014	WA SUPER	SUPERANNUATION CONTRIBUTIONS.	-\$	25,226.22
33184	04/03/2014	WESTSCHEME	SUPERANNUATION CONTRIBUTIONS.	-\$	443.76
33185	04/03/2014	ZURICH AUSTRALIA LIMITED	SUPERANNUATION CONTRIBUTIONS.	-\$	177.25
			TOTAL CHEQUE MUNICIPAL	-\$	216,433.06

CHQ/EFT	DATE	NAME	DESCRIPTION	AMOUNT
DD6741.1	03/02/2014	TENNANT AUSTRALIA	LEASE CLEANING EQUIPMENT NORTHAM RECREATION CENTRE FEBRUARY 2014	-\$ 1,067.00
DD6793.1	12/02/2014	BANKWEST	JEAN MCGREADY MASTERCARD 24/12/13 TO 23/1/14, CAFE YASOU -EXCUTIVE XMAS LUNCH, BALLANTYNE JEWELLERS - MARGARET ROWLES STAFF LEAVING GIFT, CADDIT PTY LTD-PROGECAD 2013 PROFESSIONAL SINGLE USER, SHIRE OF NORTHAM- TEMPORY PERMIT 1TAA372, SHIRE OF NORTHAM- TEMPORY PERMIT 1TAA372 - STAMP DUTY & FEE, EXCELL SERV SOLUTIONS WOOROLOO - DIESEL EL CABALLO ROADHOUSE FELIX, GST	-\$ 889.16
			TOTAL DIRECT DEBIT	-\$ 1,956.16
PAYROLL	11/02/2014	SHIRE OF NORTHAM MAIN PAY RUN	SHIRE OF NORTHAM EMPLOYEES PAYROLL	-\$ 231,823.08
PAYROLL	25/02/2014	SHIRE OF NORTHAM MAIN PAY RUN	SHIRE OF NORTHAM EMPLOYEES PAYROLL	-\$ 233,898.71
			TOTAL PAYROLL	-\$ 465,721.79
			TOTAL EFT MUNICIPAL	-\$ 705,791.46
			TOTAL EFT TRUST	-\$ 500.00
			TOTAL CHEQUE MUNICIPAL	-\$ 216,433.06
			TOTAL CHEQUE TRUST	-\$ 22,743.31
			TOTAL DIRECT DEBIT	-\$ 1,956.16
			TOTAL PAYROLL	-\$ 465,721.79
			TOTAL	-\$1,413,145.78

The payment of cheques for the period 1 February 2014 to 28 February 2014 as listed, which have been made in accordance with delegated authority reference number (M/F/F/Regs LGA 1995 S5.42)

Municipal Fund Bank Vouchers 33089 to 33185	\$ 216,433.06
Trust Bank Vouchers 1807 to 1814	\$ 22,743.31
EFT Trust Bank Vouchers EFT16071 to EFT16071	\$ 500.00
Municipal Fund Bank Electronic Fund Transfer EFT16059 to EFT16070 and EFT16072 to EFT16259	\$ 705,791.46
Direct Debit Fund Transfer 6741.1 and 6793.1	\$ 1,956.16
Municipal Fund Bank Electronic Fund Transfer Payroll 11/2/2014	\$ 231,823.08
Municipal Fund Bank Electronic Fund Transfer Payroll 25/2/2014	\$ 233,898.71
TOTAL	\$ 1,413,145.78

CERTIFICATION OF THE PRESIDENT

I hereby certify that this schedule of account covering Vouchers and Electronic Funds Transfer payments as per above and totalling \$1,413,145.78 was submitted to the ordinary Meeting of Council on Wednesday 19th March 2014.

_____ CERTIFICATION OF THE PRESIDENT

CERTIFICATE OF THE CHIEF EXECUTIVE OFFICER

This schedule of accounts paid covering Vouchers and Electronic Funds Transfer payments as per above and totalling **\$1,413,145.78** was submitted to each member of the Council Wednesday 19th March 2014, has been checked and is fully supported by vouchers and invoices which are submitted herewith and which have been duly certified as to the receipt of goods and the rendition of services and as to prices, computations and casting and the amounts shown are due for payment.

_____ CHIEF EXECUTIVE OFFICER

13.3.2 FINANCIAL STATEMENTS TO 31 JANUARY 2013

Name of Applicant:	Internal Report
Name of Owner:	N/A
File Ref:	2.1.3.4
Officer:	Denise Gobbart / Zoe MacDonald
Officer Interest:	Nil
Policy:	Nil
Voting:	Simple Majority
Date:	4 March 2014

PURPOSE

The Statement of Financial Activity for the period ending 31 January 2014 is included as a separate attachment to this Agenda and includes the following reports:

- Statement of Financial Activity;
- Acquisition of Assets;
- Disposal of Assets;
- Information on Borrowings;
- Reserves;
- Net Current Assets;
- Rating Information;
- Trust Funds;
- Operating Statements;
- Balance Sheet;
- Financial Ratio;
- Budget to Actual Material Variance; and
- Bank Reconciliation

RECOMMENDATION

That Council receive the Financial Statements, prepared in accordance with the Local Government (Financial Management) Regulations, for the period ended 31 January 2014.



SHIRE OF NORTHAM
MONTHLY STATEMENT OF FINANCIAL ACTIVITY
FOR THE PERIOD 1 JULY TO 31 JANUARY 2014

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SHIRE OF NORTHAM
STATEMENT OF FINANCIAL ACTIVITY
FOR THE PERIOD 1 JULY TO 31 JANUARY 2014

	NOTE	January 2014 Actual \$	January 2014 Y-T-D Budget \$	Projected 2013/14 Budget \$	Variances Actuals to Budget \$	Variances Actual Budget to Y-T-D %
Operating						
Revenues/Sources	8					
Governance		14,317	8,442	14,526	5,875	69.59%
General Purpose Funding		1,156,756	1,106,493	2,412,550	50,263	4.54%
Law, Order, Public Safety		199,356	375,844	644,452	(176,488)	(46.96%)
Health		29,315	25,368	43,500	3,947	15.56%
Education and Welfare		1,523,954	1,822,840	2,289,527	(298,886)	(16.40%)
Housing		19,952	29,274	50,201	(9,322)	(31.84%)
Community Amenities		1,974,868	1,939,605	2,354,246	35,263	1.82%
Recreation and Culture		262,641	754,277	1,588,920	(491,636)	(65.18%)
Transport		574,767	1,762,697	3,588,330	(1,187,930)	(67.39%)
Economic Services		320,338	913,752	1,566,602	(593,414)	(64.94%)
Other Property and Services		70,127	42,273	72,500	27,854	65.89%
		<u>6,146,391</u>	<u>8,780,865</u>	<u>14,625,354</u>	<u>(2,634,474)</u>	<u>(30.00%)</u>
(Expenses)/(Applications)	8					
Governance		(475,221)	(589,482)	(967,085)	114,261	19.38%
General Purpose Funding		(109,649)	(174,293)	(298,824)	64,644	37.09%
Law, Order, Public Safety		(664,046)	(689,067)	(1,128,721)	25,021	3.63%
Health		(225,624)	(243,287)	(413,271)	17,663	7.26%
Education and Welfare		(839,313)	(849,176)	(1,454,401)	9,863	1.16%
Housing		(45,416)	(58,083)	(96,648)	12,667	21.81%
Community Amenities		(1,839,040)	(2,024,338)	(3,481,552)	185,298	9.15%
Recreation & Culture		(1,966,784)	(2,427,247)	(4,067,166)	460,463	18.97%
Transport		(2,711,031)	(2,725,832)	(4,597,146)	14,801	0.54%
Economic Services		(1,180,147)	(1,441,244)	(2,394,309)	261,097	18.12%
Other Property and Services		(253,516)	(109,813)	(80,491)	(143,703)	(130.86%)
		<u>(10,309,787)</u>	<u>(11,331,862)</u>	<u>(18,979,614)</u>	<u>1,022,075</u>	<u>(9.02%)</u>
Adjustments for Non-Cash (Revenue) and Expenditure						
(Profit)/Loss on Asset Disposals	2	18,334	1,482,159	(2,432,424)	(1,463,825)	98.76%
Movement in Accrued Interest		(56,239)	0	0	(56,239)	0.00%
Movement in Accrued Salaries and Wages		(161,869)	0	0	(161,869)	0.00%
Movement in Deferred Pensioner Rates/ESL		0	0	0	0	0.00%
Movement in Employee Benefit Provisions		0	0	0	0	0.00%
Depreciation on Assets		2,040,564	2,039,093	3,495,741	1,471	(0.07%)
Capital Revenue and (Expenditure)						
Purchase Land Held for Resale	1	(25,045)	0	0	(25,045)	0.00%
Purchase Land and Buildings	1	(932,663)	(2,943,654)	(4,662,069)	2,010,991	68.32%
Purchase Plant and Equipment	1	(113,952)	(722,873)	(982,102)	608,921	84.24%
Purchase Furniture and Equipment	1	(26,168)	(62,260)	(77,679)	36,092	57.97%
Purchase Bush Fire Equipment	1	(1,246)	(66,241)	(136,902)	64,995	98.12%
Purchase Playground Equipment	1	(22,530)	0	(70,000)	(22,530)	0.00%
Purchase Infrastructure Assets - Roads	1	(3,556,320)	(3,837,339)	(4,726,454)	281,019	7.32%
Purchase Infrastructure Assets - Bridges	1	0	0	(219,000)	0	
Purchase Infrastructure Assets - Footpaths	1	0	(155,162)	(266,000)	155,162	100.00%
Purchase Infrastructure Assets - Drainage	1	(193,098)	0	(2,720,058)	(193,098)	0.00%
Purchase Infrastructure Assets - Parks & Ovals	1	(127,753)	(292,542)	(1,019,491)	164,789	56.33%
Purchase Infrastructure Assets - Airfields	1	(610)	(83,265)	(142,750)	82,655	99.27%
Purchase Infrastructure Assets - Streetscape	1	0	(54,005)	(92,595)	54,005	100.00%
Proceeds from Disposal of Assets	2	109,586	1,639,810	2,811,103	(1,530,224)	93.32%
Repayment of Debentures	3	(332,099)	(249,718)	(428,143)	(82,381)	(32.99%)
Proceeds from New Debentures	3	0	0	0	0	0.00%
Advances to Community Groups		0	0	0	0	0.00%
Self-Supporting Loan Principal Income	3	82,813	82,813	71,896	0	0.00%
Transfers to Restricted Assets (Reserves)	4	(124,462)	(124,462)	(1,134,265)	0	0.00%
Transfers from Restricted Asset (Reserves)	4	101,960	101,960	714,209	0	0.00%
Transfers from Restricted Asset (Other)		0	0	0	0	#DIV/0!
						#DIV/0!
ADD Net Current Assets July 1 B/Fwd	5	8,665,671	8,665,671	8,645,102	0	0.00%
LESS Net Current Assets Year to Date	5	<u>8,985,341</u>	<u>10,679,665</u>	<u>8,564</u>	<u>(1,694,325)</u>	<u>(15.86%)</u>
Amount Raised from Rates	6	<u>(7,803,863)</u>	<u>(7,810,678)</u>	<u>(7,734,705)</u>	<u>6,815</u>	<u>(0.09%)</u>

This statement is to be read in conjunction with the accompanying notes.

SHIRE OF NORTHAM

NOTES TO AND FORMING PART OF THE STATEMENT OF FINANCIAL ACTIVITY

FOR THE PERIOD 1 JULY TO 31 JANUARY 2014

1. ACQUISITION OF ASSETS	January 2014 Actual \$	2013/14 Budget \$
The following assets have been acquired during the period under review:		
<u>By Program</u>		
Governance		
Furniture & Office Equipment - Administration	15,078.84	14,800
Plant & Equipment - Administration	0.00	84,842
Law, Order & Public Safety		
CESC Vehicle	29,818.64	40,858
Ranger Vehicle	25,525.51	27,015
Security Camera Bernard Park & Avon Mall	418.13	25,000
Graffiti Removal Cleaner	6,995.00	0
Brigade Appliance - Fire Prevention	0.00	113,560
Bush Fire Brigade Shed Construction	1,246.00	23,342
Education & Welfare		
Land & Buildings - Respite Centre Construction	704,916.39	858,818
Killara - Sedan Replacement	0.00	72,084
Killara - Furniture & Equipment	0.00	3,734
Memorial Hall Equipment & Curtains	9,684.44	18,500
Community Amenities		
Generator -Inkpen	0.00	5,000
Drainage - Hillman Creek Supertowns	5,400.00	65,936
Drainage - King Creek Supertowns	107,117.52	167,618
Drainage - Town Centre Supertowns	60,207.50	131,116
Drainage - Bernard Park Supertowns	0.00	442,804
Aerators - Supertowns	0.00	75,973
Cemetery Capital Works	204.93	85,700

SHIRE OF NORTHAM

NOTES TO AND FORMING PART OF THE STATEMENT OF FINANCIAL ACTIVITY

FOR THE PERIOD 1 JULY TO 31 JANUARY 2014

1. ACQUISITION OF ASSETS (Continued)	January 2014 Actual \$	2013/14 Budget \$
<u>By Program (Continued)</u>		
Recreation and Culture		
Land & Buildings - Public Halls	25,587.31	97,055
Furniture & Equipment- Public Halls	0.00	4,800
Plant & Equipment - Pools	132,135.21	150,000
Furniture & Equipment- Pools	7,191.45	5,980
Recreation Centre - Energy Efficiency	0.00	396,086
Recreation Centre - Vents	0.00	25,000
Recreation Centre - Roller Shutters Main Doors	8,108.45	23,000
Recreation Centre - Roller Shutters Meeting Rooms	23,938.18	18,000
EMCommS Vehicle	0.00	40,130
Furniture & Equipment - Other Recreation	3,897.38	7,347
Stackable Seating	0.00	3,580
Henry Street Oval Fencing	0.00	50,000
Jubilee Oval - Install Cricket Pitch	0.00	15,000
Play Equipment - Wundowie	22,529.61	30,000
BMX Lighting	13,056.75	25,000
Bert Hawke - Drainage	0.00	60,000
Bert Hawke - Other	0.00	5,000
Bert Hawke - Lighting	0.00	20,000
Skate Park - Wundowie	0.00	40,000
Baker Hill - Hardcourts	3,717.93	94,041
Bakers Hill Oval	6,978.18	453,750
Bernard Park-Water Playground- Supertowns	104,000.00	278,120
Jubilee Oval Reticulation	0.00	15,000
Library Energy Efficiency	0.00	217,564
Copier - Library	0.00	3,734
RFID System Library	0.00	33,550
Railway Precinct Upgrade	0.00	150,000
Sound Shell - RDAF Project	0.00	58,500
Monument - RDAF Project	0.00	80,000
Recognition Throssell VC - RDAF Project	0.00	90,000

SHIRE OF NORTHAM

NOTES TO AND FORMING PART OF THE STATEMENT OF FINANCIAL ACTIVITY

FOR THE PERIOD 1 JULY TO 31 JANUARY 2014

1. ACQUISITION OF ASSETS (Continued)	January 2014 Actual \$	2013/14 Budget \$
<u>By Program (Continued)</u>		
Transport		
Land & Building	20,382.02	2,214,183
Footpath Construction	0.00	266,000
Laneway Construction	0.00	75,000
- Roadworks - Project Grants	418,855.47	653,706
- Roadworks - General Construction	133,202.88	922,005
- Roadworks - Bridge Construction	0.00	219,000
- Roadworks - Blackspot Funding	792.68	183,014
Laneway Land Acquisition	0.00	5,000
Infra Development- Super Towns	3,003,468.81	2,892,729
Plant & Equipment - Road Plant Purchases	18,300.00	623,173
Airport Infrastructure	610.33	142,750
Economic Services		
Christmas Decorations	0.00	30,000
Information Bays	0.00	57,595
LED Signs	0.00	35,000
Land & Fees - Supertowns	7,705.74	95,663
Old Town Building - Air Conditioning	0.00	44,000
Old Fire Station Northam - Roof	0.00	35,000
Land Purchased for Resale	25,045.45	0
Project Manager Community Infra Vehicle	32,894.55	34,000
Copier - Visitor Centre	0.00	3,734
Bakers Hill Water Project	13,872.55	854,870
Wundowie Storm Water Harvesting Project	6,500.00	1,057,714
	<u>4,999,383.83</u>	<u>15,191,073</u>

SHIRE OF NORTHAM

NOTES TO AND FORMING PART OF THE STATEMENT OF FINANCIAL ACTIVITY

FOR THE PERIOD 1 JULY TO 31 JANUARY 2014

1. ACQUISITION OF ASSETS (Continued)	January 2014 Actual \$	2013/14 Budget \$
<u>By Class</u>		
Land Held for Resale	25,045.45	0
Land and Buildings	932,662.67	4,662,069
Plant and Equipment	113,951.83	982,102
Furniture and Equipment	26,167.67	77,679
Bush Fire Equipment	1,246.00	136,902
Playground Equipment	22,529.61	70,000
Infrastructure Assets - Roads	3,556,319.84	4,726,454
Infrastructure Assets - Footpaths	0.00	266,000
Infrastructure Assets - Bridges & Culverts	0.00	219,000
Infrastructure Assets - Drainage	193,097.57	2,720,058
Infrastructure Assets - Parks & Ovals	127,752.86	1,019,491
Infrastructure Assets - Airfields	610.33	142,750
Infrastructure Assets - Streetscape	0.00	92,595
Infrastructure Assets - Other	0.00	75,973
	<u>4,999,383.83</u>	<u>15,191,073</u>

SHIRE OF NORTHAM

NOTES TO AND FORMING PART OF THE STATEMENT OF FINANCIAL ACTIVITY

FOR THE PERIOD 1 JULY TO 31 JANUARY 2014

2. DISPOSALS OF ASSETS

The following assets have been disposed of during the period under review:

By Program	Written Down Value		Sale Proceeds		Profit(Loss)	
	January 2014	2013/14	January 2014	2013/14	January 2014	2013/14
	Actual	Budget	Actual	Budget	Actual	Budget
	\$	\$	\$	\$	\$	\$
Governance						
CEO Vehicle - PN1212 - Asset MV1214		39,444		26,000	0	(13,444)
EMCorpS Vehicle - PN1102 - Asset MV1102		23,674		24,000	0	326
Law, Order Public Safety						
CESC Vehicle - PN1002 - Asset 9255	16,657	11,562	9,364	10,000	(7,293)	(1,562)
Ranger Vehicle - PN1010 - Asset MV1010	18,286	9,032	9,545	10,000	(8,741)	968
Education & Welfare						
Killara Omega Mgr - PN1020 - Asset HNK0001		29,062		15,000	0	(14,062)
Killara3 Holden Omega - PN0907 - Asset 9242		11,129		15,000	0	3,871
Recreation & Culture						
EMCommS Vehicle - PN1101 - Asset MV1101		17,894		20,000	0	2,106
Wundowie Yak Lot 311 - Asset S222		24,634		200,000	0	175,366
Transport						
PN002 - Volvo Grader 710B 2004 - Asset S655		32,532		150,049	0	117,517
PN0813 - N3651 Mitsubishi Canter 4T - Asset 9215		6,988		33,619	0	26,621
P589 - Isuzu NKR 2T Truck N4963 2004 - Asset 989		0		40,317	0	40,317
PN5042- Toyota Hilux Tray Top Wundowie - Asset 9062	10,925		12,152		1,227	
P5043 - N9324 Toyota Hilux Mtc Ute - Asset 9063		0		12,145	0	12,145
P590 - Toyota Hilux Grader Ute - Asset 990		0		12,145	0	12,145
PN1104 - N10686 Nissan Navara Const Super - Asset MV1104		16,779		12,145	0	(4,634)
P450 JD Z Track Ride on Mower 2008 - Asset 9109	1,650	7,330	1,500	1,500	(150)	(5,830)
PN010 5 Tonne Tipper Truck - Asset 9110	35,454	0	33,735	0	(1,719)	0
Shire Depot - Assets 259		40,801		2,136,079	0	2,095,278
Shire Depot - Assets 260		9,684		9,684	0	0
Shire Depot - Assets 261		2,417		2,417	0	0
Shire Depot - Assets 262		26,257		26,257	0	0
Shire Depot - Assets 266		11,125		11,125	0	0
Shire Depot - Assets 488		13,621		13,621	0	0
Economic Services						
Snr Building Vehicle N042- Asset 9254	12,954	0	12,435	0	(519)	0
PMComInf Vehicle - PN1015 - Asset MV1015	17,950	25,313	18,041	20,000	91	(5,313)
Coordinator Supertowns Vehicle - PN1203 - Asset MV1204	14,044	19,391	12,814	10,000	(1,230)	(9,391)
	127,920	378,679	109,586	2,811,103	(18,334)	2,432,424

SHIRE OF NORTHAM

NOTES TO AND FORMING PART OF THE STATEMENT OF FINANCIAL ACTIVITY

FOR THE PERIOD 1 JULY TO 31 JANUARY 2014

2. DISPOSALS OF ASSETS (Continued)

By Class	Written Down Value		Sale Proceeds		Profit(Loss)	
	January 2014 Actual	2013/14 Budget	January 2014 Actual	2013/14 Budget	January 2014 Actual	2013/14 Budget
	\$	\$	\$	\$	\$	\$
Land & Buildings						
Wundowie Yak Lot 311 - Asset S222	0	24,634	0	200,000	0	175,366
Shire Depot - Assets 259	0	40,801	0	2,136,079	0	2,095,278
Shire Depot - Assets 260	0	9,684	0	9,684	0	0
Shire Depot - Assets 261	0	2,417	0	2,417	0	0
Shire Depot - Assets 262	0	26,257	0	26,257	0	0
Shire Depot - Assets 266	0	11,125	0	11,125	0	0
Shire Depot - Assets 488	0	13,621	0	13,621	0	0
Plant & Equipment						
CEO Vehicle - PN1212 - Asset MV1214	0	39,444	0	26,000	0	(13,444)
EMCorpS Vehicle - PN1102 - Asset MV1102	0	23,674	0	24,000	0	326
CESC Vehicle - PN1002 - Asset 9255	16,657	11,562	9,364	10,000	(7,293)	(1,562)
Ranger Vehicle - PN1010 - Asset MV1010	18,286	9,032	9,545	10,000	(8,741)	968
Killara Omega Mgr - PN1020 - Asset HNK0001	0	29,062	0	15,000	0	(14,062)
Killara3 Holden Omega - PN0907 - Asset 9242	0	11,129	0	15,000	0	3,871
EMCommS Vehicle - PN1101 - Asset MV1101	0	17,894	0	20,000	0	2,106
PN002 - Volvo Grader 710B 2004 - Asset S655	0	32,532	0	150,049	0	117,517
PN0813 - N3651 Mitsubishi Canter 4T - Asset 9215	0	6,998	0	33,619	0	26,621
P589 - Isuzu NKR 2T Truck N4963 2004 - Asset 989	0	0	0	40,317	0	40,317
	10,925	0	12,152	0	1,227	0
P5043 - N9324 Toyota Hilux Mtc Ute - Asset 9063	0	0	0	12,145	0	12,145
P590 - Toyota Hilux Grader Ute - Asset 990	0	0	0	12,145	0	12,145
PN1104 - N10686 Nissan Navara Const Super - Asset MV1104	0	16,779	0	12,145	0	(4,634)
P450 JD Z Track Ride on Mower 2008 - Asset 9109	1,650	7,330	1,500	1,500	(150)	(5,830)
PN010 5 Tonne Tipper Truck - Asset 9110	35,454	0	33,735	0	(1,719)	0
Snr Building Vehicle - Asset 9254	12,954	0	12,435	0	(519)	0
PMComInf Vehicle - PN1015 - Asset MV1015	17,950	25,313	18,041	20,000	91	(5,313)
Coordinator Supertowns Vehicle - PN1203 - Asset	14,044	19,391	12,814	10,000	(1,230)	(9,391)
	127,920	378,679	109,586	2,811,103	(18,334)	2,432,424

Summary

Profit on Asset Disposals
Loss on Asset Disposals

January 2014 Actual	2013/14 Budget
\$	\$
1,318	2,486,660
(19,652)	(54,236)
<u>(18,334)</u>	<u>2,432,424</u>

SHIRE OF NORTHAM

NOTES TO AND FORMING PART OF THE STATEMENT OF FINANCIAL ACTIVITY

FOR THE PERIOD 1 JULY TO 31 JANUARY 2014

3. INFORMATION ON BORROWINGS

(a) Debenture Repayments

Particulars	Principal 1-Jul-13		New Loans		Principal Repayments		Principal Outstanding		Interest Repayments	
	2013/14 Budget \$	2013/14 Actual \$	2013/14 Budget \$	2013/14 Actual \$	2013/14 Budget \$	2013/14 Actual \$	2013/14 Budget \$	2013/14 Actual \$	2013/14 Budget \$	2013/14 Actual \$
Governance										
Loan 215 - Admin Office Renovations	115,183	0	0	0	25,987	12,777	89,196	102,406	7,365	3,558
Community Amenities										
Loan 210 - River Dredging	17,547	0	0	0	5,500	5,500	12,047	12,047	991	519
Recreation & Culture										
Loan 206 - Northam Country Club **	221,377	0	0	0	35,137	17,311	186,240	204,066	12,636	6,036
Loan 208 - Northam Country Club **	34,090	0	0	0	4,249	2,085	29,841	32,005	2,465	716
Loan 219 - Northam Bowling Club **	141,095	0	0	0	22,415	11,045	118,680	130,050	7,999	2,479
Loan 222 - Northam Trotting Club Building **	69,682	0	0	0	10,095	69,682	59,587	0	3,665	5,195
Loan 223 - Recreation Facilities	766,506	0	0	0	90,896	90,896	675,610	675,610	45,688	26,397
Loan 224 - Recreation Facilities	1,042,187	0	0	0	31,897	15,694	1,010,290	1,026,493	67,703	23,035
Loan 226 - Recreation Facilities	388,241	0	0	0	12,378	6,110	375,863	382,131	20,268	6,904
Transport										
Loan 221 - Airstrip Upgrade	58,964	0	0	0	10,394	5,117	48,570	53,847	3,581	1,564
Economic Services										
Loan 217 - CBD Streetscape	776,624	0	0	0	138,146	68,089	638,478	708,535	42,921	16,067
Loan 218 - CBD Streetscape	94,203	0	0	0	14,952	14,952	79,251	79,251	5,377	3,007
Loan 225 - Victoria Oval Purchase	852,698	0	0	0	26,097	12,841	826,601	839,857	55,393	18,847
	4,578,397	0	0	0	428,143	332,099	4,150,254	4,246,298	276,052	114,324

Note: ** indicates self - supporting loans

All other debenture repayments are to be financed by general purpose revenue.

Loan 221 - No longer a self supporting loan to Northam Aero Club now financed by general purpose revenue.

SHIRE OF NORTHAM

NOTES TO AND FORMING PART OF THE STATEMENT OF FINANCIAL ACTIVITY

FOR THE PERIOD 1 JULY TO 31 JANUARY 2014

3. INFORMATION ON BORROWINGS (Continued)

(b) New Debentures - 2013/14

The Shire of Northam does not propose to raise any new debenture in 2013/14.

(c) Unspent Debentures

Council had no unspent debenture funds as at 30th June 2013, it is not expected to have any unspent debenture funds as at 30th June 2014.

(d) Overdraft

Council has not utilised an overdraft facility during the financial year although an overdraft facility of \$100,000 with the Bank of Western Australia does exist. It is not anticipated that this facility will be required to be utilised during 2013/14.

SHIRE OF NORTHAM
NOTES TO AND FORMING PART OF THE STATEMENT OF FINANCIAL ACTIVITY
FOR THE PERIOD 1 JULY TO 31 JANUARY 2014

	January 2014 Actual \$	2013/14 Budget \$
4. RESERVES - CASH BACKED		
(a) Aged Accomodation Reserve		
Opening Balance	232,105	232,104
Interest	6,426	9,460
Amount Set Aside / Transfer to Reserve	0	15,900
Amount Used / Transfer from Reserve	0	(11,745)
	<u>238,531</u>	<u>245,719</u>
(b) Employee Liability Reserve		
Opening Balance	545,190	545,190
Interest	14,359	22,221
Amount Set Aside / Transfer to Reserve	0	50,000
Amount Used / Transfer from Reserve	(101,960)	(101,960)
	<u>457,589</u>	<u>515,451</u>
(c) Housing Reserve		
Opening Balance	225,269	225,269
Interest	6,236	9,182
Amount Set Aside / Transfer to Reserve	0	0
Amount Used / Transfer from Reserve	0	0
	<u>231,505</u>	<u>234,451</u>
(d) Office Equipment Reserve		
Opening Balance	123,050	123,050
Interest	3,406	5,015
Amount Set Aside / Transfer to Reserve	0	5,000
Amount Used / Transfer from Reserve	0	(14,800)
	<u>126,456</u>	<u>118,265</u>
(e) Plant & Equipment Reserve		
Opening Balance	582,571	582,572
Interest	16,129	23,745
Amount Set Aside / Transfer to Reserve	0	250,000
Amount Used / Transfer from Reserve	0	(361,253)
	<u>598,700</u>	<u>495,064</u>
(f) Recreation Reserve		
Opening Balance	48,309	48,308
Interest	1,337	1,969
Amount Set Aside / Transfer to Reserve	0	0
Amount Used / Transfer from Reserve	0	(50,277)
	<u>49,646</u>	<u>0</u>
(g) Road & Bridgeworks Reserve		
Opening Balance	635,182	635,182
Interest	17,585	25,889
Amount Set Aside / Transfer to Reserve	0	20,000
Amount Used / Transfer from Reserve	0	0
	<u>652,767</u>	<u>681,071</u>

SHIRE OF NORTHAM
NOTES TO AND FORMING PART OF THE STATEMENT OF FINANCIAL ACTIVITY
FOR THE PERIOD 1 JULY TO 31 JANUARY 2014

	January 2014 Actual \$	2013/14 Budget \$
4. RESERVES - CASH BACKED (Continued)		
(h) Refuse Site Reserve		
Opening Balance	155,898	155,898
Interest	4,316	6,354
Amount Set Aside / Transfer to Reserve	0	40,000
Amount Used / Transfer from Reserve	0	(20,000)
	<u>160,214</u>	<u>182,252</u>
(i) Regional Development Reserve		
Opening Balance	129,289	129,290
Interest	3,580	5,270
Amount Set Aside / Transfer to Reserve	0	5,000
Amount Used / Transfer from Reserve	0	0
	<u>132,869</u>	<u>139,560</u>
(j) Speedway Reserve		
Opening Balance	125,231	125,231
Interest	3,467	5,104
Amount Set Aside / Transfer to Reserve	0	0
Amount Used / Transfer from Reserve	0	0
	<u>128,698</u>	<u>130,335</u>
(k) Community Bus Replacement Reserve		
Opening Balance	9,656	9,656
Interest	267	393
Amount Set Aside / Transfer to Reserve	0	20,000
Amount Used / Transfer from Reserve	0	0
	<u>9,923</u>	<u>30,049</u>
(l) Septage Pond Reserve		
Opening Balance	196,341	196,341
Interest	5,333	8,002
Amount Set Aside / Transfer to Reserve	0	1,000
Amount Used / Transfer from Reserve	0	0
	<u>201,674</u>	<u>205,343</u>
(m) Killara Reserve		
Opening Balance	175,380	233,775
Interest	4,855	9,528
Amount Set Aside / Transfer to Reserve	0	0
Amount Used / Transfer from Reserve	0	(154,174)
	<u>180,235</u>	<u>89,129</u>
(n) Stormwater Drainage Projects Reserve		
Opening Balance	6,272	6,272
Interest	174	257
Amount Set Aside / Transfer to Reserve	0	40,000
Amount Used / Transfer from Reserve	0	0
	<u>6,446</u>	<u>46,529</u>

SHIRE OF NORTHAM
NOTES TO AND FORMING PART OF THE STATEMENT OF FINANCIAL ACTIVITY
FOR THE PERIOD 1 JULY TO 31 JANUARY 2014

	January 2014 Actual \$	2013/14 Budget \$
4. RESERVES - CASH BACKED (Continued)		
(o) Recreation and Community Facilities Reserve		
Opening Balance	413,642	413,642
Interest	11,452	16,859
Amount Set Aside / Transfer to Reserve	0	195,515
Amount Used / Transfer from Reserve	0	0
	<u>425,094</u>	<u>626,016</u>
(p) Administration Office Reserve		
Opening Balance	452,276	452,276
Interest	12,521	18,434
Amount Set Aside / Transfer to Reserve	0	0
Amount Used / Transfer from Reserve	0	0
	<u>464,797</u>	<u>470,710</u>
(q) Council Buildings & Amenities Reserve		
Opening Balance	93,594	93,594
Interest	2,591	3,815
Amount Set Aside / Transfer to Reserve	0	250,000
Amount Used / Transfer from Reserve	0	0
	<u>96,185</u>	<u>347,409</u>
(r) River Town Pool Dredging Reserve		
Opening Balance	215,130	215,130
Interest	5,956	8,768
Amount Set Aside / Transfer to Reserve	0	50,000
Amount Used / Transfer from Reserve	0	0
	<u>221,086</u>	<u>273,898</u>
(s) Parking Facilities Construction Reserve		
Opening Balance	151,324	151,323
Interest	4,189	6,168
Amount Set Aside / Transfer to Reserve	0	0
Amount Used / Transfer from Reserve	0	0
	<u>155,513</u>	<u>157,491</u>
(t) Art Collection Reserve		
Opening Balance	10,239	10,239
Interest	284	417
Amount Set Aside / Transfer to Reserve	0	5,000
Amount Used / Transfer from Reserve	0	0
	<u>10,523</u>	<u>15,656</u>
Total Cash Backed Reserves	<u>4,548,450</u>	<u>5,004,398</u>
Total Interest	124,462	186,850

All of the above reserve accounts are to be supported by money held in financial institutions.

SHIRE OF NORTHAM

NOTES TO AND FORMING PART OF THE STATEMENT OF FINANCIAL ACTIVITY

FOR THE PERIOD 1 JULY TO 31 JANUARY 2014

	January 2014 Actual \$	2013/14 Budget \$
4. RESERVES - CASH BACKED (Continued)		
Summary of Transfers to Cash Backed Reserves		
Transfers to Reserves		
Aged Accomodation Reserve	6,426	25,360
Employee Liability Reserve	14,359	72,221
Housing Reserve	6,236	9,182
Office Equipment Reserve	3,406	10,015
Plant & Equipment Reserve	16,129	273,745
Recreation Reserve	1,337	1,969
Road & Bridgeworks Reserve	17,585	45,889
Refuse Site Reserve	4,316	46,354
Regional Development Reserve	3,580	10,270
Speedway Reserve	3,467	5,104
Community Bus Replacement Reserve	267	20,393
Septage Pond Reserve	5,333	9,002
Killara Reserve	4,855	9,528
Stormwater Drainage Projects Reserve	174	40,257
Recreation and Community Facilities Reserve	11,452	212,374
Administration Office Reserve	12,521	18,434
Council Buildings & Amenities Reserve	2,591	253,815
River Town Pool Dredging Reserve	5,956	58,768
Parking Facilities Construction Reserve	4,189	6,168
Art Collection Reserve	284	5,417
	<u>124,462</u>	<u>1,134,265</u>
Transfers from Reserves		
Aged Accomodation Reserve	0	(11,745)
Employee Liability Reserve	(101,960)	(101,960)
Housing Reserve	0	0
Office Equipment Reserve	0	(14,800)
Plant & Equipment Reserve	0	(361,253)
Recreation Reserve	0	(50,277)
Road & Bridgeworks Reserve	0	0
Refuse Site Reserve	0	(20,000)
Regional Development Reserve	0	0
Speedway Reserve	0	0
Community Bus Replacement Reserve	0	0
Septage Pond Reserve	0	0
Killara Reserve	0	(154,174)
Stormwater Drainage Projects Reserve	0	0
Recreation and Community Facilities Reserve	0	0
Administration Office Reserve	0	0
Council Buildings & Amenities Reserve	0	0
River Town Pool Dredging Reserve	0	0
Parking Facilities Construction Reserve	0	0
Art Collection Reserve	0	0
	<u>(101,960)</u>	<u>(714,209)</u>
Total Transfer to/(from) Reserves	<u>22,502</u>	<u>420,056</u>

SHIRE OF NORTHAM

NOTES TO AND FORMING PART OF THE STATEMENT OF FINANCIAL ACTIVITY

FOR THE PERIOD 1 JULY TO 31 JANUARY 2014

4. RESERVES (Continued)

In accordance with council resolutions in relation to each reserve account, the purpose for which the reserves are set aside are as follows:

Aged Accommodation Reserve

Provision of future capital works requirements for aged units at Kuringal Village, Wundowie, and other sites within the Shire of Northam.

Employee Liability Reserve

Provision for employees future liability commitments, ie annual leave, long service leave requirements and negotiated gratuities and sickness payouts.

Housing Reserve

Reserve established for future construction of Community Housing in Wundowie.

Office Equipment Reserve

Acquisition and upgrading of Council offices, furniture, computers and general equipment. Funds not expected to be used in a set period as further transfer to the reserve account are expected as funds are utilised.

Plant & Equipment Reserve

Acquisition and upgrading of Council works plant and general equipment in accordance with plant replacement program. Funds not expected to be used in a set period as further transfer to the reserve account are expected as

Recreation Reserve

Purpose - Development and improvement of recreation and sporting facilities within the Shire of Northam. It is anticipated that this reserve will be fully utilised in 2013/14.

Road & Bridgeworks Reserve

Provision for upgrading of road and bridge infrastructure within the Shire of Northam. Funds not expected to be used in a set period as further transfer to the reserve account are expected as funds are utilised.

Refuse Site Reserve

Purpose - Development of Refuse Sites and related infrastructure and equipment, including provision for future replacement facility and/or site. Funds are not expected to be used in a set period as further transfers to the reserve account are anticipated.

Regional Development Reserve

Purpose - To provide for future projects whereby a broader range of development ideas may be required to be encouraged on a regional basis, in consultation with other stakeholders and/or Local Governments. Funds are not expected to be used in a set period as further transfers to the reserve account are anticipated.

Speedway Reserve

Purpose - To provide funds for possible future rehabilitation works required at the Northam Speedway site on Fox Road Northam. No date has been specified for the use of this Reserve.

Community Bus Replacement Reserve

Purpose - To provide funds for future replacement of the Shire of Northam Community Buses. Funds are not expected to be used in a set period as further transfers to the reserve account are anticipated.

Septic Pond Reserve

Purpose - To provide for funds for future upgrades and maintenance to septic ponds and related infrastructure. Funds are not expected to be used in a set period as further transfers to the reserve account are anticipated.

SHIRE OF NORTHAM

NOTES TO AND FORMING PART OF THE STATEMENT OF FINANCIAL ACTIVITY

FOR THE PERIOD 1 JULY TO 31 JANUARY 2014

4. RESERVES (Continued)

Killara Reserve

Purpose - To provide a fund for surplus funds from Killara Operations and a restricted cash for and unspent Killara Grants. No date has been specified for the use of this Reserve.

Stormwater Drainage Projects Reserve

Purpose - To provide funds for stormwater drainage projects. No date has been specified for the use of this Reserve.

Recreation and Community Facilities Reserve

Purpose - To provide fund for Recreation and Public Facilities within the Shire of Northam. No date has been specified for the use of this Reserve. 2% of net rates levied each year set aside for the provision of recreation and sport facilities.

Administration Office Reserve

Purpose - To provide a fund for the expansion or relocation of the Shire of Northam Administration Centre. No date has been specified for the use of this Reserve.

Council Buildings & Amenities Reserve

Purpose - Provision for maintenance and upgrading of Council buildings and amenities. Funds not expected to be used in a set period as further transfer to the reserve account are anticipated.

River Town Pool Dredging Reserve

Purpose - Provision for dredging and maintenance of the River Town Pool. Funds not expected to be used in a set period as further transfers to the reserve account are anticipated.

Parking Facilities Construction Reserve

Purpose - Provision for future car parking facilities. Funds are not expected to be used in a set period as further transfers to the reserve account are anticipated.

Art Collection Reserve

Purpose - Provision for the care and maintenance of the Shire of Northam's art collection, including acquisitions and disposal. Funds are not expected to be used in a set period as further transfers to the reserve account are anticipated.

SHIRE OF NORTHAM

NOTES TO AND FORMING PART OF THE STATEMENT OF FINANCIAL ACTIVITY

FOR THE PERIOD 1 JULY TO 31 JANUARY 2014

	January 2014 Actual \$	2013/14 Financial Report \$	2013/14 Budget \$
5. NET CURRENT ASSETS			
Composition of Estimated Net Current Asset Position			
CURRENT ASSETS			
Cash - Unrestricted	6,632,788	2,668,302	240,500
Cash - Restricted Unspent Grants	659,010	6,346,583	0
Cash - Restricted Unspent Loans	0	0	0
Cash - Restricted Reserves	4,548,450	4,525,847	4,910,954
Sundry Debtors	227,548	663,870	1,060,872
Rates - Current	2,372,762	760,089	0
Pensioners Rates Rebate	15,731	21,233	0
Provision for Doubtful Debts	(40,918)	(175,686)	0
GST Receivable	1,105	2,000	0
Accrued Income/Prepayments	0	53,968	0
Inventories	7,766	7,766	40,000
	<u>14,424,242</u>	<u>14,873,971</u>	<u>6,252,326</u>
LESS: CURRENT LIABILITIES			
Sundry Creditors	(649,582)	(1,324,439)	(2,292,318)
Rates Income in Advance	(57,614)	0	0
GST Payable	0	0	0
Accrued Salaries & Wages	0	(161,869)	0
Accrued Interest on Debentures	0	(56,239)	0
Payroll Creditors	0	0	0
Accrued Expenditure	0	0	0
Withholding Tax Payable	0	0	0
Payg Payable	(108,864)	(593)	0
Loan Liability	(96,043)	(428,143)	0
Provision for Annual Leave	(274,255)	(410,738)	0
Provision for Long Service Leave	(257,725)	(273,765)	0
Other Payables	0	0	0
	<u>(1,444,083)</u>	<u>(2,655,786)</u>	<u>(2,292,318)</u>
NET CURRENT ASSET POSITION	12,980,159	12,218,185	3,960,008
Less: Cash - Reserves - Restricted	(4,548,450)	(4,525,847)	(4,910,954)
Less: Cash - Unspent Grants - Restricted	0	0	(9,109)
Add: Current Loan Liability	96,043	428,143	454,341
Add: Leave Liability Reserve	457,589	545,190	515,451
ESTIMATED SURPLUS/(DEFICIENCY) C/FWD	<u>8,985,341</u>	<u>8,665,671</u>	<u>9,737</u>

SHIRE OF NORTHAM

NOTES TO AND FORMING PART OF THE STATEMENT OF FINANCIAL ACTIVITY

FOR THE PERIOD 1 JULY TO 31 JANUARY 2014

6. RATING INFORMATION

RATE TYPE	Rate in \$	Number of Properties	Rateable Value \$	2013/14 Rate Revenue \$	2013/14 Interim Rates \$	2013/14 Back Rates \$	2013/14 Total Revenue \$	2013/14 Budget \$
General Rate								
00 Non-Rateable	0.0000	692	1,587,260	0	0	0	0	0
01 GRV-Townsites Residential	9.7018	2,928	36,365,266	3,532,095	14,495	0	3,546,590	3,551,687
02 GRV-Northam Commercial/Industrial	10.8064	249	11,298,400	1,217,384	0	0	1,217,384	1,222,050
05 Agricultural Local	0.5226	481	153,306,000	802,269	(507)	3,730	805,492	807,277
06 Agricultural Regional	0.4331	210	112,043,000	484,353	732	(260)	484,825	491,358
07 Rural Small Holdings	0.5958	549	96,238,000	573,386	480	0	573,866	577,486
Sub-Totals		5,109	410,837,926	6,609,487	15,200	3,470	6,628,157	6,649,858
Minimum Rates								
01 GRV-Northam Town Gen	790	954	4,307,907	754,450	1,712	0	756,162	753,660
02 GRV-Northam Town Diff	790	43	177,888	33,970	0	0	33,970	33,970
05 Agricultural Local	790	155	12,738,910	122,450	790	0	123,240	122,450
06 Agricultural Regional	790	200	22,714,600	158,000	790	0	158,790	158,000
07 Rural Small Holdings	790	101	12,559,000	79,790	0	0	79,790	79,790
Sub-Totals		1,453	52,498,305	1,148,660	3,292	0	1,151,952	1,147,870
Less Rates Written Off							7,780,109	7,797,728
Ex-Gratia Rates							0	0
Excess Rate Receipts							12,953	12,950
Totals							(136,917)	0
							7,656,145	7,810,678

SHIRE OF NORTHAM**NOTES TO AND FORMING PART OF THE STATEMENT OF FINANCIAL ACTIVITY****FOR THE PERIOD 1 JULY TO 31 JANUARY 2014****6. RATING INFORMATION (Continued)**

All land except exempt land in the Shire of Northam is rated according to its Gross Rental Value (GRV) in townsites or Unimproved Value (UV) in the remainder of the Shire.

The general rates detailed above for the 2013/14 financial year have been determined by Council on the basis of raising the revenue required to meet the deficiency between the total estimated expenditure proposed in the budget and the estimated revenue to be received from all sources other than rates and also considering the extent of any increase in rating over the level adopted in the previous year.

The minimum rates have been determined by Council on the basis that all ratepayers must make a reasonable contribution to the cost of the Local Government services/facilities.

The differential rates differed from those advertised as due to delays in obtaining Ministerial approval, it has been decided not to spot rate Springhill, Princes Plant Nursery, Ausbao/Bakers Hill Engineering, Archer/Outback Mining and Hoicim. The effect of this is a reduction in rate revenue of \$10,496. These properties are to be rated as per their zoning Agricultural Regional and Agricultural Local.

SHIRE OF NORTHAM

NOTES TO AND FORMING PART OF THE STATEMENT OF FINANCIAL ACTIVITY

FOR THE PERIOD 1 JULY TO 31 JANUARY 2014

7. TRUST FUNDS

Funds held at balance date over which the Municipality has no control and which are not included in this statement are as follows:

Detail		Balance 01-Jul-13 \$	Amounts Received \$	Amounts Paid (\$)	Balance \$
Town Hall Bond	1	0	2,500	(500)	2,000
Lesser Hall Bond	2	400	500	0	900
Nomination Deposits	4	0	800	(800)	0
POS - Cash in Lieu	6	293,253	23,693	(18,000)	298,946
Bonds - Building	7	36,000	0	0	36,000
Crossovers - Bond	9	91,392	0	(4,500)	86,892
Recreation Centre Bond	11	400	200	(200)	400
Facilities - Bonds	18	500	0	(300)	200
Footpath/Kerbing Deposit	22	89,500	29,000	(24,500)	94,000
Retentions	26	37,977	79,664	0	117,641
Sundry Trust	27	8,310	0	0	8,310
Building & Construction (B	29	0	33,076	(21,390)	11,686
Builders Reg Board Levy	30	0	19,178	(13,230)	5,948
Standpipe Key	31	5,850	350	(50)	6,150
Resited Dwellings	32	7,200	0	0	7,200
Deposits-Extractive Indust	33	249,494	5,100	0	254,594
Other	34	14,873	500	(3,740)	11,633
Other - Rental Bond	35	400	0	0	400
Bonds - Animal Traps	36	55	615	(430)	240
Storm Damage Donations	38	175	0	0	175
		<u>835,779</u>	<u>195,176</u>	<u>(87,640)</u>	<u>943,315</u>

SHIRE OF NORTHAM

NOTES TO AND FORMING PART OF THE STATEMENT OF FINANCIAL ACTIVITY

FOR THE PERIOD 1 JULY TO 31 JANUARY 2014

8. OPERATING STATEMENT

	January 2014 Actual \$	2013/14 Budget \$	2012/13 Actual \$
OPERATING REVENUES			
Governance	14,317	14,526	97,024
General Purpose Funding	8,812,901	10,223,228	11,968,418
Law, Order, Public Safety	199,356	644,452	568,104
Health	29,315	43,500	184,211
Education and Welfare	1,523,954	2,289,527	1,859,021
Housing	19,952	50,201	38,489
Community Amenities	1,974,868	2,354,246	2,064,117
Recreation and Culture	262,641	1,588,920	716,435
Transport	574,767	3,588,330	1,645,688
Economic Services	320,338	1,566,602	944,536
Other Property and Services	70,127	72,500	134,461
TOTAL OPERATING REVENUE	13,802,536	22,436,032	20,220,504
OPERATING EXPENSES			
Governance	475,221	967,085	867,871
General Purpose Funding	109,649	298,824	426,757
Law, Order, Public Safety	664,046	1,128,721	1,040,194
Health	225,624	413,271	574,346
Education and Welfare	839,313	1,454,401	1,352,950
Housing	45,416	96,648	99,379
Community Amenities	1,839,040	3,481,552	2,873,879
Recreation & Culture	1,966,784	4,067,166	3,533,794
Transport	2,711,031	4,597,146	4,691,672
Economic Services	1,180,147	2,394,309	2,799,727
Other Property and Services	253,516	80,491	113,434
TOTAL OPERATING EXPENSE	10,309,787	18,979,614	18,374,004
CHANGE IN NET ASSETS RESULTING FROM OPERATIONS	3,492,749	3,456,418	1,846,500

SHIRE OF NORTHAM

NOTES TO AND FORMING PART OF THE STATEMENT OF FINANCIAL ACTIVITY

FOR THE PERIOD 1 JULY TO 31 JANUARY 2014

9. BALANCE SHEET

	January 2014 Actual \$	2012/13 Actual \$
CURRENT ASSETS		
Cash Assets	11,840,248	13,540,732
Receivables	2,565,311	1,544,320
Inventories	<u>7,766</u>	<u>7,765</u>
TOTAL CURRENT ASSETS	<u>14,413,325</u>	<u>15,092,817</u>
NON-CURRENT ASSETS		
Receivables	672,003	689,315
Inventories	884,118	884,118
Property, Plant and Equipment	29,352,275	29,096,434
Infrastructure	<u>44,285,977</u>	<u>41,707,965</u>
TOTAL NON-CURRENT ASSETS	<u>75,194,373</u>	<u>72,377,832</u>
TOTAL ASSETS	<u>89,607,698</u>	<u>87,470,649</u>
CURRENT LIABILITIES		
Payables	816,058	1,690,090
Interest-bearing Liabilities	96,043	425,188
Provisions	<u>531,979</u>	<u>684,502</u>
TOTAL CURRENT LIABILITIES	<u>1,444,080</u>	<u>2,799,780</u>
NON-CURRENT LIABILITIES		
Interest-bearing Liabilities	4,150,256	4,150,256
Provisions	<u>115,705</u>	<u>115,705</u>
TOTAL NON-CURRENT LIABILITIES	<u>4,265,961</u>	<u>4,265,961</u>
TOTAL LIABILITIES	<u>5,710,041</u>	<u>7,065,741</u>
NET ASSETS	<u>83,897,657</u>	<u>80,404,908</u>
EQUITY		
Retained Surplus	78,524,842	75,054,696
Reserves - Cash Backed	4,548,450	4,525,847
Reserves - Asset Revaluation	<u>824,365</u>	<u>824,365</u>
TOTAL EQUITY	<u>83,897,657</u>	<u>80,404,908</u>

SHIRE OF NORTHAM

NOTES TO AND FORMING PART OF THE STATEMENT OF FINANCIAL ACTIVITY

FOR THE PERIOD 1 JULY TO 31 JANUARY 2014

10. FINANCIAL RATIO

	2013 YTD	2012	2011	2010
Current Ratio	9.33	1.85	1.53	2.23

The above rates are calculated as follows:

Current Ratio equals
$$\frac{\text{Current assets minus restricted current assets}}{\text{Current liabilities minus liabilities associated with restricted assets}}$$

**SHIRE OF NORTHAM
STATEMENT OF FINANCIAL ACTIVITY
FOR THE PERIOD 1 JULY TO 31 JANUARY 2014**

11. Material Variances Notes

Operating	NOTE	January 2014 Actual \$	January 2014 Y-T-D Budget \$	Projected 2013/14 Budget \$	Variances Actuals to Budget \$	Actual Budget Y-T-D %	Variances (Variance of 10% or above \$10,000 considered Material)
Revenues/Sources	8						
Governance		14,317	8,442	14,526	5,875	69.59%	Higher dividend from LGIS than planned
General Purpose Funding		1,156,756	1,106,493	2,412,550	50,263	4.54%	Excess Rates & Interest accruals reversed
Law, Order, Public Safety		199,356	375,844	644,452	(176,488)	(46.96%)	Southern Brook Fire Shed grant yet to be received
Health		29,315	25,368	43,500	3,947	15.56%	Timing licence fees
Education and Welfare		1,523,954	1,822,840	2,289,527	(298,886)	(16.40%)	Timing of funding \$250,000 Lotterywest funding
Housing		19,952	29,274	50,201	(9,322)	(31.84%)	Pool house vacant, no revenue
Community Amenities		1,974,868	1,939,605	2,354,246	35,263	1.82%	
Recreation and Culture		262,641	754,277	1,588,920	(491,636)	(65.18%)	Timing of grant funding
Transport		574,767	1,762,697	3,588,330	(1,187,930)	(67.39%)	Timing of road and airport grant funding
Economic Services		320,338	913,752	1,566,602	(593,414)	(64.94%)	Timing differences grant funding
Other Property and Services		70,127	42,273	72,500	27,854	65.89%	Timing of reimbursements
		6,146,391	8,780,865	14,625,354	(2,634,474)	(30.00%)	
(Expenses)/(Applications)	8						
Governance		(475,221)	(589,482)	(967,085)	114,261	19.35%	
General Purpose Funding		(109,649)	(174,293)	(298,824)	64,644	37.09%	Timing debt collection & valuation expenses
Law, Order, Public Safety		(684,046)	(689,067)	(1,128,721)	25,021	3.63%	
Health		(225,624)	(243,287)	(413,271)	17,663	7.26%	
Education and Welfare		(839,313)	(849,176)	(1,454,401)	9,863	1.16%	Childcare costs lower than budgeted
Housing		(45,416)	(58,083)	(96,648)	12,667	21.81%	
Community Amenities		(1,839,040)	(2,024,338)	(3,481,552)	185,298	9.15%	Project timing
Recreation & Culture		(1,966,784)	(2,427,247)	(4,067,166)	460,463	18.97%	Project timing
Transport		(2,711,031)	(2,725,832)	(4,597,146)	14,801	0.54%	
Economic Services		(1,180,147)	(1,441,244)	(2,394,309)	261,097	18.12%	Project timing
Other Property and Services		(253,516)	(109,813)	(80,491)	(143,703)	(130.86%)	Reallocation of plant cost to be undertaken
		(10,309,787)	(11,331,862)	(18,979,614)	1,022,075	(9.02%)	

**SHIRE OF NORTHAM
STATEMENT OF FINANCIAL ACTIVITY
FOR THE PERIOD 1 JULY TO 31 JANUARY 2014**

NOTE	January 2014 Actual \$	January 2014 Y-T-D \$	Projected 2013/14 Budget \$	Variances Actuals to Budget \$	Variances Actual Budget to Y-T-D %	(Variance of 10% or above \$10,000 considered Material)
2	18,334	1,270,422	(2,432,424)	(1,252,088)	98.56%	
	(56,239)	0	0	(56,239)	0.00%	
	(161,869)	0	0	(161,869)	0.00%	
	0	0	0	0	0.00%	
	0	0	0	0	0.00%	
	2,040,564	1,747,794	3,495,741	292,770	(16.75%)	
	(25,045)	0	0	(25,045)	0.00%	
1	(932,663)	(2,645,820)	(4,662,069)	1,713,157	64.75%	Timing Differences
1	(113,952)	(641,034)	(982,102)	527,082	82.22%	Timing Differences
1	(26,168)	(55,480)	(77,679)	29,312	52.83%	Timing Differences
1	(1,246)	(56,778)	(136,902)	55,532	97.81%	Timing Differences
1	(22,530)	0	(70,000)	(22,530)	0.00%	
1	(3,556,320)	(3,743,215)	(4,726,454)	186,895	4.93%	Timing Differences. Super Towns project has a bond to be returned
1	0	0	(219,000)	0	#DIV/0!	
1	0	(132,996)	(266,000)	132,996	100.00%	Timing Differences
1	(193,098)	0	(2,720,058)	(193,098)	0.00%	Timing Differences
1	(127,753)	(217,641)	(1,019,491)	89,888	41.30%	Timing Differences
1	(610)	(71,370)	(142,750)	70,760	99.15%	Timing Differences
1	0	(46,290)	(92,595)	46,290	100.00%	Timing Differences
2	109,586	1,405,552	2,811,703	(1,295,966)	92.20%	Timing Differences
3	(332,099)	(214,044)	(428,143)	(118,055)	(55.15%)	
3	0	0	0	0	0.00%	
3	0	0	0	0	0.00%	
3	82,813	18,109	71,896	64,704	(357.30%)	
4	(124,462)	(124,462)	(1,134,265)	0	0.00%	
4	101,960	101,960	714,209	0	0.00%	
	0	0	0	0	#DIV/0!	
5	8,665,671	8,665,671	8,645,102	0	0.00%	
5	8,985,341	11,111,081	8,564	(2,125,740)	(19.13%)	
6	(7,803,863)	(7,810,678)	(7,734,705)	6,815	(0.09%)	
	ADD Net Current Assets July 1 B/Fwd					
	LESS Net Current Assets Year to Date					
	Amount Raised from Rates					

This statement is to be read in conjunction with the accompanying notes.

BANK RECONCILIATION STATEMENT
Period Ending 31th January 2014

	Muni Fund Shire	Trust Fund Shire	Reserve A/c Shire	Unspent DITRD & LG Grant Shire
Balance as per Bank Statements				
ANZ 2645-61899	\$ 1,123,562.93 ✓			
Business Bonus 028-0331279	\$ 1,151,681.57 ✓			
Muni Operating A/C 028-5350119	\$ 76,410.09 ✓			
ANZ - WA TREASURY BANK	\$ 586,349.18 ✓			
ANZ - TERM DEPOSIT	\$ 2,700,000.00 ✓			
Term Deposit (Muni) 028-0390116	\$ 1,585,119.58 ✓			
Term Deposit (Trust)T183 028-036059-9		\$ 25,385.05 ✓		
Term Deposit (Trust)T396 0387254		\$ 32,965.95 ✓		
Term Deposit (Trust) POS 9975-02546		\$ 298,945.79 ✓		
Term Deposit (Trust) Extractive Ind. 028-695773-2		\$ 95,728.22 ✓		
Term Deposit (Trust)T376 & T440 028-0392516		\$ 77,583.36 ✓		
Term Deposit (Trust)T527 028-0386517		\$ 22,931.05 ✓		
Trust Operating A/C 028-5350143		\$ 312,098.92 ✓		
Term Deposit(Trust)T655 9714-47294		\$ 24,664.47 ✓		
Term Deposit (Trust T694)RETENT 028-396471		\$ 15,000.00		
Term Deposit (Trust T701) 028-0397045		\$ 40,000.00		
Business Bonus(Reserve) 028-0364535			\$ 26,258.12 ✓	
Term Term Deposit 028-0390108			\$ 638,906.13 ✓	
ANZ Term Deposit 9974-65749			\$ 3,883,285.86 ✓	
ANZ Banl T/D(DITRD & LG) 9971-31749				\$ 72,660.80 ✓
Business Bonus Grant Fund 036594-7				
Total As Per Bank Statements	\$7,223,123.35	\$945,302.81	\$4,548,450.11	\$72,660.80
Plus				
Outstanding Deposits	7,364.97	90.50		
Outstanding Dep (Trust)				
Outstanding Dep (Muni)				
	\$7,364.97	\$90.50	\$0.00	\$0.00
Less				
Unpresented Cheques	(14,881.25)	(2,080.00)		
	(\$14,881.25)	(\$2,080.00)	\$0.00	\$0.00
Adjustments				
Killara Transfer from Muni to Reserve				
Meal Inspection Trans Muni to Reserve				
Killara Transfer from Reserve to Muni				
Transfer of bank fee charges Unspent Grants				
Bank Statement Balance after Adjustments	\$7,215,607.07	\$943,313.31	\$4,548,450.11 ✓	\$72,660.80 ✓
General Ledger Accounts				
111000010 MUNI BANK	✓ 6,629,257.89	943,313.31 ✓		
111180010 Trust Bank				
1111001010 Short Term Investment	✓ 586,349.18		0.00	
1111501010 Reserve Inv Bank			4,548,450.11 ✓	
1111002010 Unspent Grant				\$ 72,660.80
Balance Per General Ledger Accounts	\$7,215,607.07	\$943,313.31 ✓	\$4,548,450.11 ✓	\$72,660.80 ✓
IMBALANCE	\$0.00	\$0.00	\$0.00	\$0.00

Prepared by *J. Barber* Confirmed by *RAM*
 POSITION : FINANCE OFFICER POSITION : ACCOUNTANT

13.3.3 MID YEAR BUDGET REVIEW

Name of Applicant:	Internal Report
File Ref:	8.2.7.1
Officer:	Denise Gobbart
Officer Interest:	N/A
Policy:	N/A
Voting:	Absolute Majority
Date:	4 March 2014

PURPOSE

To consider and adopt the Budget Review as presented in the Statement of Financial Activity for the period 1 July 2013 to 31 January 2014.

BACKGROUND

A Statement of Financial Activity incorporating year to date budget variations and forecasts to 30 June 2014 for the period ending 31 January 2014 is presented for council to consider. The *Local Government (Financial Management) Regulations 1996*, regulation 33A as amended, requires that local governments conduct a budget review between 1 January and 31 March in each financial year. A copy of the review and determination is to be provided to the Department of Local Government within 30 days of the adoption of the review.

STATUTORY REQUIREMENTS

Regulation 33A of the *Local Government (Financial Management) Regulations 1996* requires:

(1) Between 1 January and 31 March in each financial year a local government is to carry out a review of its annual budget for that year.

(2A) The review of an annual budget for a financial year must —

(a) consider the local government's financial performance in the period beginning on 1 July and ending no earlier than 31 December in that financial year; and

(b) consider the local government's financial position as at the date of the review; and

(c) review the outcomes for the end of that financial year that are forecast in the budget.

(2) Within 30 days after a review of the annual budget of a local government is carried out it is to be submitted to the council.

(3) A council is to consider a review submitted to it and is to determine* whether or not to adopt the review, any parts of the review or any recommendations made in the review.

*Absolute majority required.

(4) Within 30 days after a council has made a determination, a copy of the review and determination is to be provided to the Department.

CONFORMITY WITH THE COMMUNITY STRATEGIC PLAN

Objective: G2 Improve organisational capability and capacity

Strategy: G2.3 Operate in a financially sustainable manner

BUDGET IMPLICATIONS

The subsequent review will incorporate Budget Amendments which will impact in accordance with the provided schedule

OFFICER'S COMMENT

The budget review has been prepared to include information required by the *Local Government Act 1995*, *Local Government (Financial Management) Regulations 1996* and Australian Accounting Standards. Council adopted a 10% and a \$10,000 minimum for the reporting of material variances to be used in the statements of financial activity and the annual budget review.

The budget has been reviewed to continue to deliver on other strategies adopted by the Council and maintains a high level of service across all programs.

RECOMMENDATION

That Council:

- 1. Receive the Budget Review conducted for the seven (7) months ended 31 January 2014;**
- 2. Authorise the Chief Executive Officer to amend the 2013/14 Budget in accordance with the attached report titled 'Budget Review as at 31 January 2014 - Budget Amendment Recommendations' and dated 04 March 2014.**

ABSOLUTE MAJORITY

BUDGET REVIEW 31 JANUARY 2014

Line No:	Account	Name	Job	Name	Increase in Available Cash \$	Decrease in Available Cash \$	Year to Date Running Balance \$	Comment
37	11343093	Grants				(457,269)	(76,417)	CEEP - Energy Efficiency Funding withdrawn
38	11367004	Land & Buildings - Other Culture	1036	Sound Shell	58,500		(17,917)	RDAF Project Funding not approved
39	11367004	Land & Buildings - Other Culture	1037	Monument	80,000		62,083	RDAF Project Funding not approved
40	11367004	Land & Buildings - Other Culture	1038	Recognition Hugo Throssell VC	90,000		152,083	RDAF Project Funding not approved
41	12442002	Noxious Weeds/Pest Plants	2300	Noxious Weeds		(17,000)	135,083	Staff Wages transferred from these grant funded projects
42	11363003	Grants				(185,776)	(50,693)	RDAF Project Funding not approved
43	10252112	Purchase Bins				(64,658)	(115,351)	Carried forward expenditure not allowed for the recycling project
44	10253083	Grants			114,962		(389)	Final Grant payment for kerbside recycling - not provided for in budget
45	10252002	Refuse Collection	1308	Refuse Collection Recycling Town		(32,000)	(32,389)	No provision allowed in budget - continued recycling collection points after kerbside collection commenced
46	10252002	Refuse Collection	1310	Refuse Collection Recycling Shire		(5,000)	(37,389)	No provision allowed in budget - continued recycling collection points after kerbside collection commenced
47	10312002	Public Conveniences	1804	Clackline Toilets		(11,518)	(48,907)	Installation of leach drain no included in the budget
48	03023013	Interest on Investments				(60,000)	(108,907)	Lower than anticipated revenue from interest
49	03012002	Valuations/Title Searches			30,000		(78,907)	Change in UV/GRV project will not be completed
50	04042062	Election Expenses			6,000		(72,907)	Lower than anticipated costs from WA Electoral Commission
51	04051002	Salaries Administration			25,000		(47,907)	Lower wages due to time with no accountant and staff on sick leave
52	04051012	Superannuation - Admin			6,000		(41,907)	Lower superannuation due to time with no accountant and staff on sick leave
53	04053053	Insurance Rebate			7,000		(34,907)	Higher than anticipated rebate
54	05061022	Fringe Benefits Tax - Fire Prevention				(4,500)	(39,407)	Account created to allocate FBT to relevant program
55	04051062	Fringe Benefits Tax - Admin			4,500		(34,907)	Transfer FBT to relevant program
56	05063003	Fines & Penalties			8,000		(26,907)	Higher than anticipated fines received
57	05067014	Plant & Equipment			5,500		(21,407)	CEEC Vehicle type changed and replaced at a lower cost (50% share of \$11,000 savings as DFES funds 50%)
58	05073003	Dog Registration Fees			6,500		(14,907)	Higher than anticipated fees due to legislation changes to fee structure
59	05073103	Cat Registration Fees			3,500		(11,407)	Higher than anticipated registration fees for cats
60	05071032	Fringe Benefits Tax - Animal Control				(1,500)	(12,907)	Account created to allocate FBT to relevant program
61	08171062	Fringe Benefits Tax - Killara				(4,500)	(17,407)	Account created to allocate FBT to relevant program
62	10263013	Septage Pond Disposal Fees			90,000		72,593	Additional Revenue
63	10262032	Septage Pond Maintenance	1304	Septage Pond Maintenance		(20,000)	52,593	Increase in cost to upgrade the gatehouse
64	10262032	Septage Pond Maintenance	1304	Septage Pond Maintenance		(30,000)	22,593	New pond
65	10269154	Transfer to Septage Pond Reserve				(40,000)	(17,407)	Transfer surplus funds to reserve including proposed 2014/2015 dividend for the Shire of Toodyay
66	10303003	Planning/Development Fees			19,000		1,593	Additional revenue based on Wundowie Golf Links Subdivision being cleared
67	11332012	Northam Pool Mtc	5990	Pool Bowl Mtc		(6,000)	(4,407)	Diving board repairs & pool cover
68	11332062	Wundowie Pool - Mtc				(3,000)	(7,407)	Additional maintenance works

BUDGET REVIEW 31 JANUARY 2014

Line No:	Account	Name	Job	Name	Increase in Available Cash \$	Decrease in Available Cash \$	Year to Date Running Balance \$	Comment
69	11333033	Government Subsidy - Northam				(3,000)	(10,407)	Withdrawal of funding by State Government
70	11333043	Government Subsidy - Wundowie				(3,000)	(13,407)	Withdrawal of funding by State Government
71	11339014	Furniture & Equipment - Pools				(1,820)	(15,227)	Water Drink Fountain
72	11339064	Plant & Equipment - Pools	6118	Wundowie Pool	7,000		(8,227)	Lower than anticipated costs for Chemical dosing system
73	11339064	Plant & Equipment - Pools	6117	Northam Pool	10,500		2,273	Lower than anticipated costs for Shutdown system, filters & pumps
74	11342932	Loan 222 Interest Repayments				(1,530)	743	Early Payout of Loan 222 by the Harness Racing Club
75	11343503	Loan Interest Reimbursement			1,530		2,273	Early Payout of Loan 222 by the Harness Racing Club
76	11349054	Loan 222 Principal Repayments				(59,587)	(57,314)	Early Payout of Loan 222 by the Harness Racing Club
77	11349085	Loan 222 Principal Reimbursed			59,587		2,273	Early Payout of Loan 222 by the Harness Racing Club
78	11342032	Recreation Control	5491	Sport 4 All - Kidsport		(48,000)	(45,727)	Additional grant funding for Kidsport - less \$2,000 administration funding
79	11343093	Grants			50,000		4,273	Kidspot grant from Dept Rec & Sport
80	11342042	Public Parks gardens & Reserves	5155	Rec Centre Outdoor Courts		(5,500)	(1,227)	Retaining Wall not included in budget
81	11343033	Jubilee Complex Charges			25,000		23,773	Prior year charges had not been levied
82	11353003	Regional Library Subsidy				(12,330)	11,443	No Regional service being continued
83	12379094	Laneway Land Acquisition	9130	Laneway Land Acquisition		(10,000)	1,443	Additional Funds required
84	12379034	Laneway Construction	9121	Laneway Construction	10,000		11,443	Transfer of funds to laneway acquisition
85	13499114	Buildings	1952	Old Northam Fire Station	35,000		46,443	Cultural Heritage Grant applied for will not be announced until 2014/2015
86	10317204	Cemetery Capital Works				(11,300)	35,143	Additional funds as larger footings are required
87	05072002	Pound Maintenance	1004	Old Quarry Rd Dog Pound		(2,000)	33,143	Fence modifications to stop dogs escaping
88	12379004	Land & Buildings - Depots	1960	Wundowie Depot		(7,590)	25,553	Demountable at Wundowie depot budget overspent
89	11332012	Northam Pool Mtc	5980	Swimming Pool Building Northam		(3,000)	22,553	Vandalsim / Break in asbestos damage
90	13452102	Special Event Sponsorship	4663	Wesfarmers Anniversay Concert		(10,000)	12,553	Funds endorsed by Council for the event
91	11342072	Sporting Community Sponsorship			10,000		22,553	Funds endorsed by Council for the event transferred to expense account
92	13499124	Land for Resale				(25,045)	(2,492)	Funds to purchase Lots 400 & 402
93	13459525	Transfer from Regional Development Reserve			25,045		22,553	Funds allocated for the purchase of Lots 400 & 402
94	12422152	Legal Fees - Airport				(3,500)	19,053	Costs incurred with valuation
95	11342062	Agricultural Show Grounds	5130	Agricultural Show		(3,500)	15,553	Additional works undertaken in preparation of the show
96	11329004	Land & Buildings	1819	Northam Hall	6,805		22,358	Town Hall Roof Grant funded Project Completed
97	13493173	Lease Fee - 269 Fitzgerald - NRM				(10,000)	12,358	Lower than anticipated lease fees
98	13463043	Swimming Pool Inspection Fees				(15,000)	(2,642)	Charges to be levied in rates 2014/2015 on
99	13459114	Infrastructure - Streetscape	9116	LED Signs	25,000		22,358	\$10,000 Held for Signage & Streetscaping
100	12382022	Street Trees	2140	Street Trees		(20,000)	2,358	Contract Works
101	14521002	Supervision Salaries				(27,000)	(24,642)	Two new positions
102	12399505	Proceeds Sale of Assets				(90,688)	(115,330)	Variation to trade in of plant & equipment
103	12399004	Plant & Equipment			62,910		(52,420)	Variation to purchase prices & replacement of Wundowie vehicle
104	12399515	Transfer From Plant Reserve			27,778		(24,642)	Additional funds required from reserve for current replacement program
105	11349404	Infrastructure Parks	6417	BMX Lighting		(20,000)	(44,642)	Funds required to wire new lighting

BUDGET REVIEW 31 JANUARY 2014

Line No:	Account	Name	Job	Name	Increase in Available Cash \$	Decrease in Available Cash \$	Year to Date Running Balance \$	Comment
1		Estimated Surplus					9,737	
2		Difference In Opening Balance			20,570		30,307	Audit adjustments
3	12373023	Grants Commission Bridge Contribution				(146,000)	(115,693)	Funds already held in restricted cash
4	08739105	SoN Transfer From Killara Reserve				(110,390)	(226,083)	Funds had been transferred in 2012/2013
5	03023023	Grants Commission - Untied				(34,806)	(260,889)	Funds not confirmed until after budget adoption
6	03023033	Grants Commission - Road Component				(1,925)	(262,814)	Funds not confirmed until after budget adoption
7	05083023	Crime Prevention Grant				(25,000)	(287,814)	Funds already held in restricted cash
8	05082032	Crime Prevention Expenditure				(1,327)	(289,141)	Refund balance of grant unspent
9	05087104	Plant & Equipment				(6,995)	(296,136)	Purchase of Karcher Graffiti Cleaner
10	10253003	Residential Bin Charges				(50,000)	(346,136)	Over Estimation of bin charges
11	10253043	Commercial Bin Charges			25,000		(321,136)	Under estimation of bin charges
12	10253113	Recycling Bin Charges				(11,000)	(332,136)	Over Estimation of bin charges
13	10292022	Town Pool Aerators	4206	Aerators - Supertowns Capex	75,973		(256,163)	Transfer to Capital
14	10292014	Infrastructure - Other	4215	Aerators - Supertowns		(75,973)	(332,136)	Transfer from Operating
15	10292102	Avon River Floating Islands	4210		2,600		(329,536)	Transfer as not part of project
16	10292112	Sea Gull Control	4207			(2,600)	(332,136)	Transfer to individual account
17	11349404	Infrastructure Parks	1909	Jubilee Oval Reticulation	15,000		(317,136)	Transfer to new GL to separate responsibilities
18	11349424	Infrastructure Parks - Projects	6502	Jubilee Oval Reticulation		(15,000)	(332,136)	Transfer from old GL to separate responsibilities
19	11349404	Infrastructure Parks	6416	Bakers Hill Oval	453,750		121,614	Transfer to new GL to separate responsibilities
20	11349424	Infrastructure Parks - Projects	6500	Bakers Hill Oval		(453,750)	(332,136)	Transfer from old GL to separate responsibilities
21	11349404	Infrastructure Parks	6418	Bernard Park Water Playground	278,120		(54,016)	Transfer to new GL to separate responsibilities
22	11349424	Infrastructure Parks - Projects	6501	Bernard Park Water Playground		(278,120)	(332,136)	Transfer from old GL to separate responsibilities
23	13499024	Land - Projects	1980	Old Town Building	44,000		(288,136)	Transfer to new GL to separate responsibilities
24	13499114	Buildings	1950	Old Town Building		(44,000)	(332,136)	Transfer from old GL to separate responsibilities
25	13499024	Land - Projects	1985	Old Northam Fire Station	35,000		(297,136)	Transfer to new GL to separate responsibilities
26	13499114	Buildings	1952	Old Northam Fire Station		(35,000)	(332,136)	Transfer from old GL to separate responsibilities
27	10312022	Avon Mall Mtc - Works	5880	Avon Mall Mtc - Buildings	19,163		(312,973)	Transfer to new GL to separate responsibilities
28	10312022	Avon Mall Building Mtc	5885	Avon Mall Mtc - Buildings		(19,163)	(332,136)	Transfer from old GL to separate responsibilities
29	12379034	Laneway Construction	9120	Laneway Land Acquisition	5,000		(327,136)	Transfer to new GL to separate responsibilities
30	12379094	Laneway Land Acquisition	9130	Laneway Land Acquisition		(5,000)	(332,136)	Transfer from old GL to separate responsibilities
31	12382052	Depot Mtc - Building	1243	Northam Depot Building Mtc	24,639		(307,497)	Transfer to new GL to separate responsibilities
32	12382212	Depot Yard Mtc - Works	1450	Northam Depot Yard Mtc		(24,639)	(332,136)	Transfer from old GL to separate responsibilities
33	04052142	Admin Office Mtc	1002	Building Mtc	60,503		(271,633)	CEEP - Energy Efficiency Funding withdrawn
34	11349104	Land & Buildings - Rec Centre	1903	Energy Efficiency	396,086		124,453	CEEP - Energy Efficiency Funding withdrawn
35	11359004	Land & Buildings - Library			217,564		342,017	CEEP - Energy Efficiency Funding withdrawn
36	13452112	Visitor Centre Mtc	1019	Visitor Centre Mtc	38,835		380,852	CEEP - Energy Efficiency Funding withdrawn

13.3.4 SHIRE OF NORTHAM AUDIT COMMITTEE REPORT

Name of Applicant:	Internal Report
File Ref:	8.2.7.1
Officer:	Denise Gobbart
Officer Interest:	Nil
Policy:	N/A
Voting:	Absolute Majority
Date:	13 March 2014

PURPOSE

For Council to receive the Minutes of the Shire of Northam Audit Committee meeting of 12 March 2014, and endorse the Audit Committee recommendations.

BACKGROUND

The Shire of Northam Audit Committee met on Wednesday 13 March 2013, in the Council Chambers at 7.30 pm. The committee discussed the Compliance Audit Return 2013.

Under the Local Government (Audit) Regulations 1996, a Local Government is required to carry out a Compliance Audit for the period 1 January 2013 to 31 December 2013. The certified return needs to be submitted to the Director General, Department of Local Government and Regional Development by 31 March 2014.

The Compliance Audit Return must be:

1. Presented to Council at a meeting of the Council;
2. Adopted by the Council; and
3. Recorded in the minutes of the meeting at which it is adopted.

A copy of the return is submitted for Councillor's perusal, comment and adoption by Council before 31 March 2014. It is necessary for the Shire President and the Chief Executive Officer to sign off the return as a certified copy.

The 2013 Compliance Audit Return was completed in house this year as we were not able to engage the services of an external party. After completing the return all matters have been reviewed with the CEO.

The compliance review process provides both the CEO and the Council with an additional element of accountability through a check on internal management systems, procedures and record keeping and this demonstrates the Shire's emphasis on improving its good governance, compliance, and best practice.

STATUTORY REQUIREMENTS

- Local Government Act 1995;
- Local Government (Functions and General) Regulations 1996;
- Local Government (Administration) Regulations 1996;
- Local Government (Elections) Regulations 1997;
- Local Government (Audit) Regulations 1996;
- Local Government (Rules of Conduct) Regulations 2007.

CONFORMITY WITH THE COMMUNITY STRATEGIC PLAN

N/A

BUDGET IMPLICATIONS

N/A

OFFICER'S COMMENT

The standard of compliance in 2013 slipped from the past years achievement of 97.4% to 89.8%. For context purposes, non-compliance or partial non-compliance related to eight of the total 78 items included in the Compliance Return.

The Shire has sound management systems and procedures. The examples of non-compliance noted reflected inconsistent or incomplete compliance and human error, and not any systemic failure.

It is important to note that the actual compliance audit process is a detached, retrospective examination of minute, multifaceted, and ambiguous statutory detail specified by the Local Government Act 1995 and associated regulations. Significantly, the CAR excludes the actual working environment and pressures of the day-by-day operational circumstances, and other community priorities that exist in the pragmatic management of the wide range of functions and issues experienced in a vibrant and growing local government such as the Shire. The overall compliance requirement to observe "all written law" places an onerous responsibility on the CEO of a growing local government.

A number of deficiencies have been identified in the Shire of Northam Compliance Audit Return 2013, namely:

Delegation:

The delegation register was reviewed as required; points needing to be addressed are that delegations to the CEO and officers are required to be in writing.

Page 2, No 6, s5.42(1)(2), Admin Reg 18G – It did not appear that the delegations to the CEO were in writing.

Page 2, No 6, s5.44)(2) – It did not appear that all delegations from the CEO to officers were in writing.

Page 2, No 13, s5.46(3), Admin Reg 19 – Some aspects, such as the record keeping associated with exercising a delegated power was difficult to gauge. We have now implemented a central register.

Disclosure of Interest:

The management of the Primary and Annual returns and registers, and disclosure of interest at meetings were of not to the usual standard expected.

Page 2, No 1, s5.67 – The minute record of disclosures at the Special meeting held 30 January 2013 indicated that a member that disclosed an indirect financial interest did not leave the Chambers and voted. The item related to a Fees & Charges Concession for Avon Events & Marketing.

With this indirect financial interest disclosure the member was required to leave the room; Council could have then made a decision for the member to participate and the extent of the participation.

Page 3, No 5, s5.75(1) Admin Reg 23 Form 2 – A Primary Return was not lodged by all designated staff. There were four occasions this occurred.

Page 3, No 6 s5.76(1) Admin Reg 23 Form 3 – As an elected member was away on leave when the Annual Return was due it was not submitted on time. An email was sent advising that there was no change, and on return from leave the Annual Return was duly signed.

Page 3, No 7 s5.76 Admin Reg 23 Form 3 – Two officers failed to complete an Annual Return by the due date.

Tenders:

The tender process is thorough and supported by comprehensive documentation.

It was noted that the Tender Register was also being used as the relevant Tender file for each tender called and therefore the register contained material and information not required by the register. It is strongly recommended that the register only contain the statutory information (i.e. the register sheet and a copy of the State wide notice) and all other information including the completed checklist be filed separately.

The “Tender Register” is a public document that may be inspected during office hours, and therefore caution is required to ensure that only the necessary statutory information is recorded and that any confidential or sensitive information is not included in the register but filed separately.

Page 7, No 1 s3.57 F&G Reg 11 – It appears that a tender process was being considered for the 2012/2013 Footpath Construction Program as the tender register has a number listed for it. There is no further evidence that this program went to tender. The minutes have no record of the tender going before Council. \$176,000 of works was completed in constructing footpaths during this period.

Page 7, No 2 F&G Reg 12 – Evidence provides that contracts with three contractors were entered into for the construction of footpaths. This lends to the belief that individual contracts were entered into to avoid going through the administrative process of tendering. This regulation is an anti-avoidance provision for tendering.

COMMITTEE RECOMMENDATION

That Council;

- 1. Receive the Minutes of the Audit Committee Meeting held on Wednesday 12 March 2014; and**
- 2. Adopt and submit the Compliance Audit Return 2013, to the Department of Local Government, inclusive of comments on matters to be addressed;**

13.4. COMMUNITY SERVICES

13.4.1 ADOPTION OF REVISED COMMUNITY FUNDING POLICY

Name of Applicant:	Internal
Name of Owner:	N/A
File Ref:	2.1.3.2
Officer:	Jean McGready/ Annique Gray
Officer Interest:	Nil
Policy:	Nil
Voting:	Simple Majority
Date:	26 February 2014

PURPOSE

For Council to consider amendments to Policy C2.1 Community Grants Scheme to set clearer guidelines for Council to determine its financial support to the community.

BACKGROUND

The Shire of Northam Policy C2.1 Community Grants Scheme was initially adopted on 16 September 2009 and last reviewed on 15 September 2010.

Over the past years there has been some disparity in relation to the application, allocation and acquittal processes for Shire of Northam funding to community organisations for projects and events. Examples include allocation in the Budget for organisation hosted events without the requirement for submission of a grant application form; acceptance of late/incomplete applications; funding approval to organisations with outstanding acquittals; and expenditure of funds for purposes other than they were granted. Whilst Council staff have addressed these issues on an individual basis and tried to ensure equity and fairness without over burdening the community organisations with requirements, a clearer policy will assist in ensuring that Council funding is allocated, utilised and acquitted in a transparent, equitable and inclusive manner.

STATUTORY REQUIREMENTS

Nil

BUDGET IMPLICATIONS

Nil

CONFORMITY WITH THE STRATEGIC COMMUNITY PLAN

OBJECTIVE: G1 Provide accountable and transparent leadership

STRATEGY: G1.1 Continue to develop Council's policy framework to guide decision making

STRATEGY: G1.3 Enhance open and interactive communication between Council and the community

STRATEGY: G1.4 Promote and support community members' participation in the Shire's governance

OFFICER'S COMMENTS

The revised policy encompasses the allocation of a range of funding categories for support provided by the Shire of Northam to community groups and individuals, including non-competitive allocations to community groups and educational prizes and donations.

The policy will provide for clear guidance to eligibility, amount of funding that can be applied for, funding criteria and acquittal requirements. The following summarises the categories within the proposed policy and identifies reasoning for changes to past guidelines.

Australia Day Allocations

There is no significant change to process with the policy clarifying the eligibility and process.

Community/Progress Association Allocations

Whilst it is intended that the allocations will remain as a non-competitive funding allocation, recommended changes to the funding process include:

- Requirement for submission of a budget for the expenditure of the allocation for approval prior to payment
- Possible requirement to seek additional external funding
- Ability to carry forward funds for forward planning for larger scale projects
- Restrictions on allocation of funds for expenditure by third party organisations

These changes will ensure that the funding is allocated to identified needs in the community and that the projects are in line with Council priorities as identified in the Strategic Community Plan. It will enable communities to forward plan for larger projects, whilst ensuring that funds are not allocated ad hoc and ensuring a level of oversight on expenditure of public funds. It will also ensure that external funds are sought where the Association is eligible to apply, thereby maximising the return of the Council allocation.

Senior Group Allocations

The policy will ensure equity of support and acquittal requirements across each of the seniors groups in the Shire of Northam. Line items in recent Shire of Northam Budgets included only two of the three known seniors groups in the Shire.

Educational Prizes and Donations

There are no significant changes to the process of allocation of funding for educational prizes and donations; rather the policy clarifies the purpose of the funding and the requirement for recognition of the Shire of Northam.

Excellence in Sport, Recreation, Arts and Culture

This category of the policy aims to enable support of young people who strive to achieve excellence in sport, recreation, arts or culture. There has been a tradition for local governments to support excellence in sport, but the development of young people to excel in other areas are equally valuable and this policy will clearly articulate this to the community.

Public Event Grants

The allocation of Council funding to events has been influenced by history and as a consequence the allocations and requirements for application and acquittal are not always perceived to be equitable. This policy, aimed at including all events that are not managed by the Shire of Northam, will ensure that each event will be required to undertake the same application processes, be assessed by the same criteria and if successful provide the same acquittal reporting.

Further, it will require the event organisers to seek external funding where they are eligible to do so, thereby lessening the financial reliance on Shire of Northam support. Limiting the level of funding as a proportion of the total event cost also assists in encouraging organisers to seek alternate funding sources and reduces ongoing reliance on the Shire of Northam to sustain the events.

Project Grants

The policy provides clearer guidance to allocation of funding for community based projects and ensures equity and transparency. The limitation on percentage of project cost being funded by the Shire of Northam assists in preventing an ongoing reliance on the Shire for undertaking projects.

Previous allocation for sponsorship of club events (including prize money) is not included in this category but has been allocated to a separate category of Club Sponsorship.

Quick Response Grants

This category has been included to provide guidelines on requests for assistance that fall outside the annual grant round for the event and project grant categories. This category is aimed at providing smaller grants that meet an urgent need or short term opportunity, with decision making delegated to the Chief Executive Officer. This category encompasses the frequent requests for Council to waiver facility hire fees.

EXISTING POLICY PROPOSED TO BE REPLACED

COMMUNITY SUPPORT

C 2.1 Community Grants Scheme

POLICY	The Shire of Northam will make available a provision in its annual budget to provide for a community grants scheme for local projects costing up to \$5,000.
OBJECTIVES	To encourage local community groups to provide services to electors of the Shire.
GUIDELINES	The application for funding under Council's annual Community Grants Programme is to be in accordance with the approved Guidelines.
HISTORY	Adopted: 16/09/2009 Last Review: 15/09/2010
REVIEW	Executive Manager, Corporate Services

PROPOSED NEW POLICY

C2.1 COMMUNITY FUNDING PROGRAM

POLICY	The Shire of Northam will make provision in its annual budget to provide for community assistance funding as per Attachment 2.1.
OBJECTIVES	To provide the framework for consistent financial support administration and assessment processes to ensure they are transparent, equitable, inclusive and understood by the community.
GUIDELINES	Shire of Northam Strategic Community Plan
HISTORY	Adopted 16/09/2009 Last Review 17/04/2013
REVIEW	Executive Manager Community Services

ATTACHMENT 2.1 COMMUNITY FUNDING SCHEME

The Community Funding Scheme aims to strengthen and enhance the social wellbeing, development and sustainability of the Shire of Northam community. It aims to encourage the involvement of the community in achieving the Shire of Northam's strategic direction as identified in the Strategic Community Plan.

The Community Funding Scheme aims to support individuals and community organisations to undertake projects, events and activities through a range of non-competitive and competitive grant and sponsorship categories.

SECTION 1 FUNDING ALLOCATIONS AND DONATIONS

1.1 Community/Progress Association Australia Day Celebration Allocations

AIM	To assist the Community/Progress Associations to host Australia Day celebrations within their local community
ELIGIBILITY	Council recognised community / progress associations: <ul style="list-style-type: none"> • Wundowie Progress Association • Bakers Hill Progress and Recreation Association • Clackline Progress Association • Spencers Brook Progress Association • Grass Valley Progress Association • Southern Brook Progress Association
FUNDING AMOUNT	Allocation determined by Council in the Annual Budget
FUNDING CRITERIA	<ul style="list-style-type: none"> • No requirement for matching funding • Acknowledgement of Shire of Northam support • Allocation cannot be carried forward to next financial year • Funding will not be issued if there are outstanding acquittals
ACQUITTAL REQUIREMENTS	<ul style="list-style-type: none"> • Copies of invoices • Evidence of acknowledgement of Shire of Northam support • Unspent funds to be returned to Shire of Northam

1.2 Community/Progress Association Annual Allocations

AIM	To assist the Community/Progress Associations to undertake projects and programs to enhance their local community
ELIGIBILITY	<p>Council recognised community / progress associations:</p> <ul style="list-style-type: none"> • Wundowie Progress Association • Bakers Hill Progress and Recreation Association • Clackline Progress Association • Spencers Brook Progress Association • Grass Valley Progress Association • Southern Brook Progress Association
FUNDING AMOUNT	Allocation determined by Council in the Annual Budget
FUNDING CRITERIA	<ul style="list-style-type: none"> • No set requirement for matching funding, , although the Shire of Northam may require the Association to apply for external funding to part fund the project if considered eligible • Project plan(s) and budget to be submitted to Shire of Northam for approval by the Chief Executive Officer or delegated Officer • Allocation may be carried forward for up to 3 years for large scale projects, with allocated funds held in trust by the Shire of Northam • Funds cannot be allocated to social functions that do not benefit their community unless accessible to the entire community. • Funds cannot be allocated to third party community organisations for operational purposes (i.e. insurances) • Funds can only be allocated to third party community groups for infrastructure or equipment if it is of benefit to the wider community • Acknowledgement of Shire of Northam support • Funding will not be issued if there are outstanding acquittals/progress reports
ACQUITTAL REQUIREMENTS	<ul style="list-style-type: none"> • Provision of audited financial statement and copies of invoices • Statement of project outcome and photographs • Evidence of acknowledgement of Shire of Northam support

	<ul style="list-style-type: none"> • Unspent funds to be returned to Shire of Northam
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1.3 Seniors Group Allocations

AIM	To assist seniors groups in the Shire of Northam to deliver activities and programs for seniors
ELIGIBILITY	Council recognised seniors groups: <ul style="list-style-type: none"> • Northam Over 60s Group • Northam Senior Citizens Club • Silver Wings Over 55s
FUNDING AMOUNT	Allocation determined by Council in the Annual Budget
FUNDING CRITERIA	<ul style="list-style-type: none"> • No requirement for matching funding • Funding to be allocated to activities and programs, and not for ongoing operational expenses • Acknowledgement of Shire of Northam support • Allocation cannot be carried forward to next financial year • Funding will not be issued if there are outstanding acquittals
ACQUITTAL REQUIREMENTS	<ul style="list-style-type: none"> • Provision of financial statement and copies of invoices • Statement of project outcome and photographs • Evidence of acknowledgement of Shire of Northam support • Unspent funds to be returned to Shire of Northam

1.4 Educational Prizes and Donations

AIM	To recognise young people who have made an outstanding achievement or contribution at their school/institute and/or shown strong leadership skills within the community
ELIGIBILITY	Council recognised schools and educational institutes: <ul style="list-style-type: none"> • Wundowie Primary School • Bakers Hill Primary School • Avonvale Primary School

	<ul style="list-style-type: none"> • Northam Primary School • West Northam Primary School • St Joseph's School • Northam Senior High School • CY O'Connor Institute
FUNDING AMOUNT	Allocation determined by Council in the Annual Budget
FUNDING CRITERIA	<ul style="list-style-type: none"> • Prize, award or scholarship to a nominated student in recognition of outstanding contribution or leadership • Shire of Northam to be recognised as donor (e.g. on Certificate) • Council representative to be invited to make presentation
ACQUITTAL REQUIREMENTS	Photograph of presentation ceremony

1.5 Excellence in Sport, Recreation, Arts and Culture - Travel Support

AIM	To promote participation and excellence by young people in sport, recreation, arts or cultural pursuits
ELIGIBILITY	<ul style="list-style-type: none"> • Individuals under the age of 18, still at school and who reside in the Shire of Northam • One application per financial year for participation at either State, National or International level, unless the applicant qualifies (during the event for which travel support has been granted) to participate at a higher level in another event within the same field • Support will not be given retrospectively and application must be submitted at least 1 month prior to travel
FUNDING AMOUNT	<ul style="list-style-type: none"> • Council allocation in the Annual Budget to make available: <ul style="list-style-type: none"> ○ \$100 per individual for intrastate travel (greater than 500km) ○ \$150 per individual for interstate travel ○ \$300 per individual for overseas travel • Determination of eligibility at discretion of the Chief Executive Officer

FUNDING CRITERIA	<ul style="list-style-type: none">• Event or competition must be endorsed by the relevant State Association / Governing Body (where applicable), or other relevant organisation• Applicant must have been selected through a validated process (supporting documentation required)• Funding not applicable for development or training squads, invitational events, or for local/regional competition
ACQUITTAL REQUIREMENTS	Nil

SECTION 2 – COMMUNITY ASSISTANCE GRANTS

2.1 Public Event Grants

AIM	To assist in the delivery of events that demonstrate significant community reach and benefit, promote social inclusion and encourage partnerships and collaboration in the community
ELIGIBILITY	<ul style="list-style-type: none"> • Applicants must be an incorporated not for profit organisation • Events must take place within the Shire of Northam and benefit the community • Consideration will not be given for the following: <ul style="list-style-type: none"> ○ Retrospective funding ○ Recurrent salaries or operational costs, not directly associated with the event ○ Events that have shown or have potential to show profit or have a fundraising outcome ○ Trophies, prizes or gifts ○ Events considered to be better funded through other sources ○ Organisations who have outstanding acquittals
FUNDING AMOUNT	<ul style="list-style-type: none"> • Up to \$5,000 per event or as decided by Council for specific events (such as Wundowie Iron Festival) • Generally not more than one third of total cost of event and not more than 50% of cash cost of the event • Volunteer labour can be included to a maximum of one third of total event cost • Amount of funding will be determined by Council and allocated in the Annual Budget
ASSESSMENT CRITERIA	<ul style="list-style-type: none"> • Alignment with the Shire of Northam Strategic Community Plan • Management and financial capacity to deliver • Access, opportunity and participation • Evidence that other support and funding has been obtained or is being sought

	<ul style="list-style-type: none"> • Recognition of Shire of Northam support
APPLICATION REQUIREMENTS	<ul style="list-style-type: none"> • Completed and signed application form • Copy of Certificate of Incorporation • Copy of Public Liability Insurance • Copy of certified organisational financial statements • Submitted by the advertised closing date
FUNDING AGREEMENT	<p>Prior to payment, successful applicants must sign a funding agreement stating that:</p> <ul style="list-style-type: none"> • Funds will be expended only for the purposes specified in the agreement unless otherwise agreed in writing by the Shire of Northam • Funds will be expended within twelve months of receipt of grant offer • The recipient will notify the Shire of any change in scope of the event and the Shire retains the right to refuse/reduce level of financial assistance in that instance • The Shire retains the right to withhold payment until Public Event Approval has been granted • The recipient will acknowledge the support of the Shire in the event's advertising and promotional materials in accordance with Shire requirements • The recipient will provide an audited financial statement for the event expenditure if requested to do so • The recipient will provide a project evaluation, including evidentiary materials within three months of the end of the grant term • The recipient will return any unspent funds to the Shire of Northam • Any additional special terms and conditions
ACQUITTAL REQUIREMENTS	<ul style="list-style-type: none"> • Grant recipients will be required to provide the following: <ul style="list-style-type: none"> ○ Declaration by the Chairperson/President that funding was utilised in accordance with the grant agreement

	<ul style="list-style-type: none">○ Financial statement (income and expenditure)○ Copies of invoices/evidence of expenditure○ Schedule of Volunteer Labour (if applicable)○ Schedule of Donated Materials (if applicable)○ Completed evaluation form○ Evidence of project outcomes and acknowledgement of Shire of Northam support● Unspent funds are to be returned to the Shire of Northam within 3 months after the event date/end of grant term, unless otherwise agreed in writing
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2.2 Project Grants

AIM	To support innovative responses to community needs, either as a whole or target groups (children, youth, seniors, persons with a disability, culturally or linguistically diverse). Projects can include development of community facilities, purchase of equipment and the delivery of community based programs and projects. Priority will be placed on projects that promote skills development, enhance safety or increase participation and social inclusion.
ELIGIBILITY	<ul style="list-style-type: none"> • Applicants must be an incorporated not for profit organisation • Projects must take place within the Shire of Northam • Projects must address a clearly identified community need • Consideration will not be given for the following: <ul style="list-style-type: none"> ○ Retrospective funding ○ Recurrent salaries or operational costs, not directly associated with the funded project ○ Projects that have a fundraising outcome ○ Trophies, prizes or gifts ○ Costumes or uniforms ○ Activities targeted at students in a school setting ○ Projects considered to be better funded through other sources ○ Organisations that have outstanding acquittals
FUNDING AMOUNT	<ul style="list-style-type: none"> • Up to \$5,000 per project • Generally not more than one third of total cost of event and not more than 50% of cash cost of the event • Volunteer labour can be included to a maximum of one third of total event cost • Amount of funding will be determined by Council and allocated in the Annual Budget
ASSESSMENT CRITERIA	<ul style="list-style-type: none"> • Alignment with the Shire of Northam Strategic Community Plan • Management and financial capacity to deliver

	<ul style="list-style-type: none"> • Anticipated outcomes in response do identified need • Access, opportunity and participation • Evidence that other support and funding has been obtained or is being sought • Recognition of Shire of Northam support
APPLICATION REQUIREMENTS	<ul style="list-style-type: none"> • Completed and signed application form • Copy of Certificate of Incorporation • Copy of Public Liability Insurance • Copy of certified organisational financial statements • Submitted by the advertised closing date
FUNDING AGREEMENT	<p>Prior to payment, successful applicants must sign a funding agreement stating that:</p> <ul style="list-style-type: none"> • Funds will be expended only for the purposes specified in the agreement unless otherwise agreed in writing by the Shire of Northam • Funds will be expended within twelve months of receipt of grant offer • The recipient will notify the Shire of any change in scope of the project and the Shire retains the right to refuse/reduce level of financial assistance in that instance • The Shire retains the right to withhold payment until approvals or permits have been granted (if applicable) • The recipient will acknowledge the support of the Shire in the project's signage, advertising and promotional materials in accordance with Shire requirements • The recipient will provide an audited financial statement for the project expenditure if requested to do so • The recipient will provide a project evaluation, including evidentiary materials within three months of the end of the grant term • The recipient will return any unspent funds to the Shire of Northam

	<ul style="list-style-type: none"> • Any additional special terms and conditions
ACQUITTAL REQUIREMENTS	<ul style="list-style-type: none"> • Grant recipients will be required to provide the following: <ul style="list-style-type: none"> ○ Declaration by the Chairperson/President that funding was utilised in accordance with the grant agreement ○ Financial statement (income and expenditure) ○ Copies of invoices/evidence of expenditure ○ Schedule of Volunteer Labour (if applicable) ○ Schedule of Donated Materials (if applicable) ○ Completed evaluation form ○ Evidence of project outcomes and acknowledgement of Shire of Northam support • Unspent funds are to be returned to the Shire of Northam within 3 month of project completion date/end of grant term

2.3 Quick Response Grant

AIM	To support innovative responses to community needs, either as a whole or target groups (children, youth, seniors, persons with a disability, culturally or linguistically diverse). These grants are intended for urgent projects or to assist the delivery of projects/programs for which short term opportunity has arisen
ELIGIBILITY	<ul style="list-style-type: none"> • Applicant must be an incorporated not for profit organisation or be auspiced by one. • Projects must take place within the Shire of Northam or significantly benefit the Shire of Northam community • Projects must address a clearly identified community need • Funding can be utilised for venue hire, equipment hire and promotion • Consideration will not be given for the following: <ul style="list-style-type: none"> ○ Retrospective funding ○ Recurrent salaries or operational costs, not directly associated with the running of the event ○ Trophies, prizes or gifts ○ Equipment purchases or capital projects unless there is a demonstrated risk to safety or well being ○ Organisations that have outstanding acquittals

FUNDING AMOUNT	<ul style="list-style-type: none"> • Up to \$500 per project • The project should demonstrate other sources of funding (cash or in kind) • Council will make provision in the Annual Budget for allocation at the discretion of the Chief Executive Officer • Applications will be assessed within 6 weeks of receipt by the Shire of Northam
ASSESSMENT CRITERIA	<ul style="list-style-type: none"> • Demonstration of community need and urgency • Anticipated outcomes in response do identified need • Evidence of other support/funding • Recognition of Shire of Northam support
APPLICATION REQUIREMENTS	<ul style="list-style-type: none"> • Completed and signed application form • Copy of Public Liability Insurance (where applicable) • Submitted at any time
FUNDING AGREEMENT	<p>Prior to payment, successful applicants must sign a funding agreement stating that:</p> <ul style="list-style-type: none"> • Funds will be expended only for the purposes specified in the agreement unless otherwise agreed in writing by the Shire of Northam • Funds will be expended within six months of receipt of grant offer • The recipient will notify the Shire of any change in scope of the project and the Shire retains the right to refuse/reduce level of financial assistance in that instance • The Shire retains the right to withhold payment until approvals or permits have been granted (if applicable) • The recipient will acknowledge the support of the Shire in the project's signage, advertising and promotional materials in accordance with Shire requirements • The recipient will provide a project evaluation, including evidentiary materials within three months of the end of the grant term

	<ul style="list-style-type: none"> • The recipient will return any unspent funds to the Shire of Northam. • Any additional special terms and conditions
<p>ACQUITTAL REQUIREMENTS</p>	<ul style="list-style-type: none"> • Grant recipients will be required to provide the following: <ul style="list-style-type: none"> ○ Financial statement (income and expenditure) ○ Copies of invoices/evidence of expenditure ○ Statement of Volunteer Labour/Donated Materials (if applicable) ○ Completed evaluation form ○ Evidence of project outcomes and acknowledgement of Shire of Northam support • Unspent funds are to be returned to the Shire of Northam within 3 month of project / end of grant term

SECTION 3 – CLUB SPONSORSHIP

AIM	To support clubs in the hosting of major club events or competitions that will bring additional benefits to the Shire of Northam community.
ELIGIBILITY	<ul style="list-style-type: none"> • Sport/recreation clubs within the Shire of Northam that are affiliated with a State association • Event/competition must take place within the Shire of Northam and entries to be open to residents and non-residents • Funding can be utilised for hosting and promotion of the event /competition or for prize money where it encourage excellence in sport • Consideration will not be given for the following: <ul style="list-style-type: none"> ○ Retrospective funding ○ Recurrent salaries or operational costs, not associated with the funded event ○ Equipment purchases ○ Fundraising activities ○ Clubs that have outstanding acquittals
FUNDING AMOUNT	<ul style="list-style-type: none"> • Up to \$500 per club annually • The club should demonstrate other sources of funding (cash or in kind) for the event/competition • Council will determine the level of sponsorship and make allocation in the Annual Budget
ASSESSMENT CRITERIA	<ul style="list-style-type: none"> • Significance of event at local/state/national level • Additional benefits to the community (e.g. promotion of the region, attraction of competitors and spectators) • Evidence of other support/funding • Recognition of Shire of Northam support
APPLICATION REQUIREMENTS	<ul style="list-style-type: none"> • Completed and signed application form • Copy of Public Liability Insurance (where applicable)
FUNDING AGREEMENT	Prior to payment, successful applicants must sign a funding agreement stating that:

	<ul style="list-style-type: none"> • Funds will be expended only for the purposes specified in the agreement unless otherwise agreed in writing by the Shire of Northam • Funds will be expended within twelve month of notification of grant • The recipient will notify the Shire of any change in scope of the project and the Shire retains the right to refuse/reduce level of financial assistance in that instance • The recipient will acknowledge the support of the Shire in the event/competition signage, advertising and promotional materials in accordance with Shire requirements • The recipient will provide a project evaluation, including evidentiary materials within three months of the end of the grant term • The recipient will return any unspent funds to the Shire of Northam • Any additional special terms and conditions
<p>ACQUITTAL REQUIREMENTS</p>	<ul style="list-style-type: none"> • Grant recipients will be required to provide the following: <ul style="list-style-type: none"> ○ Copies of invoices/evidence of expenditure ○ Completed evaluation form ○ Evidence of project outcomes and acknowledgement of Shire of Northam support • Unspent funds are to be returned to the Shire of Northam within 3 month of event/competition date/end of grant term

13.5 ENGINEERING SERVICES

13.5.1 REPLACEMENT VEHICLE FOR WUNDOWIE DEPOT

Name of Applicant:	Internal Report
File Ref:	8.2.4.6
Officer:	Clinton Kleynhans
Officer Interest:	Nil
Policy:	Nil
Voting:	Absolute Majority
Date:	4 March 2014

PURPOSE

For Council to endorse the out of budget expenditure to replace the Wundowie Depot Ute N9327 that was stolen and damaged beyond repair.

BACKGROUND

The Ute was stolen from the Wundowie Depot on 1ST July 2013 and recovered the following morning. An insurance claim was lodged for the replacement of the vehicle on the 8th July 2013 and settlement received on 7th January 2014.

The breakdown of the settlement is as follows:

Vehicle Market Value:	\$8,681.82
Less excess:	-\$1,000.00
Equipment:	\$4,469.72
(Includes: pump and tank, Two way radio, strobe light, Spray bar and wand, first Aid kit & fire extinguisher)	
	Total \$12,151.54

As the purchase was not included in the adopted budget Council is required to endorse the replacement of this vehicle. It is proposed that the balance of the funds required is sourced from the Plant & Equipment Reserve.

Four quotes have been sourced for a replacement vehicle, these quotes are based on like for like replacement. The basic specifications of the vehicles are listed as follows:

Name of Company	Type of vehicle	Price of Vehicle	Out of Budget
Kalamunda Toyota	Hilux 4X2 Turbo Diesel Single cab	\$28,415.81	\$16,264.27
Kalamunda Toyota	Hilux 4X2 Turbo Petrol Single Cab	\$23,960.81	\$11,809.27
Northam Toyota	Hilux 4X2 Turbo Petrol Single Cab	\$22,2888	\$10,136.46
Valley Ford Northam Hyundai	2014 Ranger XL 4X2 Diesel Single Cab	\$26,796.10	\$14,644.56
Northam Holden	Colorado DX manual 4X2 cab/ch	\$23,813.00	\$11,661.46

The preferred replacement vehicle is the Ford/Hyundai 2014 Ranger XL 4 X 2 Single cab Cab Chassis 2.2LT Manual Diesel which is supplied by Valley Ford Northam Hyundai.

STATUTORY REQUIREMENTS

*Local Government Act 1995
Part 6 – Financial Management
Division 2 – Annual Budget*

- 6.8 *Expenditure from municipal fund not included in annual budget*
- (1) *A local government is not to incur expenditure from its municipal fund for an additional purpose except where the expenditure –*
- (a) *Is incurred in a financial year before the adoption of the annual budget by the local government;*
- (b) *Is authorised in advance by resolution*; or*
- © *Is authorised in advance by the mayor or president in an emergency.*

**Absolute majority required.*

- (1a) *in subsection (1) –
Additional purpose means a purpose for which no expenditure estimate is included in the local government's annual budget.
[Section 6.8 amended by No. 1 of 1998s.19.]*

CONFORMITY WITH COMMUNITY STRATEGIC PLAN

OBJECTIVE

Provide and support an effective and efficient transportation network.

STRATEGY

Maintain an efficient, safe and quality local road network

BUDGET IMPLICATIONS

The replacement of this vehicle was not provided for in the budget. For the preferred vehicle an expense of \$24,360.09 is required in GL: 12399004 Plant and Equipment. This expenditure is to be offset by revenue of \$12,151.54 in GL: 12399505 Proceeds from Sale Plant & Equipment with an additional \$12,208.55 from GL: 12399515 Transfer from Plant Replacement. These figures are exclusive of GST.

OFFICER'S COMMENT

It is recommended that Council endorse the purchase of a new vehicle to replace the vehicle that was damaged and written off as a total loss by the Shire's Insurer.

Note: The question has been raised in relation to the associated equipment and how this was being replaced with staff advising that replacement of the equipment had already occurred. This is however not 100% correct, as while the majority of equipment has been replaced, the pump and tank have not. The intent was to replace these items after vehicle purchase and to source the funds from the general tool and equipment budget provisions.

RECOMMENDATION

That Council endorse the:

- 1. Out of budget expenditure of \$26,796.10 GST inclusive for the purchase of one only new 2014 Ranger XL 4 X 2 Single cab, Cab Chassis 2.2LT manual diesel as quoted from Valley Ford Northam Hyundai.**
- 2. Transfer of \$12,208.55 from plant and equipment reserve.**

ABSOLUTE MAJORITY

13.5.2 FOOTPATH PROGRAM

Name of Applicant:	Internal Report
Name of Owner	N/A
File Ref:	6.1.2.13
Officer:	Clinton Kleynhans
Officer Interest:	Nil
Policy:	Nil
Voting:	Absolute Majority
Date:	4 March 2014

PURPOSE

Proposed location of footpaths to be constructed is presented for the purpose of endorsement by Council.

CONFORMITY WITH THE STRATEGIC COMMUNITY PLAN

TBA

BUDGET IMPLICATIONS

Proposed works are within the current endorsed budget

OFFICER'S COMMENT

The list of proposed footpath locations is outlined below for consideration and feedback by Council.

These locations identified to date are influenced predominantly by the Shire's *Local Bicycle Plan (May 2012)* prepared by independent consultants, also taking into consideration feedback received from Staff, Councillors and rate payers.

Council staff also looked at potential improvements in the rural areas, specifically Wundowie and Bakers Hill, and whilst acknowledging there are projects which require maintenance (and can be accommodated within current budget constraints), there were no identified pressing needs for expansion.

The above table provides an insight into the projects which were costed. The current budget allows for the majority of these works to be included in the program, as per the recommendation. However this is subject to final tenders being called, Council will note in

the recommendation that the criteria for selection is noted. The recommendation also seeks the approval of Council to award the tender for footpath construction. As there is no formal delegation this would normally be the function of the Council. The request for CEO authorisation is in the context of time constraints. In saying this should Council not support the request, the staff will endeavour to ensure the projects are delivered in this current financial year.

These works will be publically tendered based on rates which will allow a value for money assessment before successful award.

<i>Road Name</i>	<i>From</i>	<i>To</i>	<i>Lgth (m)</i>	<i>Side</i>	<i>Type</i>	<i>Width (m2)</i>	<i>Area (m2)</i>	<i>Cost Est.</i>
Avon River	Avon Bridge	Existing Path	60	South	Asphalt	2	120	\$ 6,000.00
Northey St	East St	Edmunson St	210	North	Asphalt	2	420	\$ 35,700.00
Gregory St	Edmunson St	Lyon St	250	South	Asphalt	2	500	\$ 42,500.00
Henry Street Oval	Peel St	Carpark	100	South	Asphalt	2	200	\$ 17,000.00
Henry St Oval	Carpark	Stadium	50	South	Concrete	2	100	\$ 8,500.00
Selby St	Atkinson St	Gordon St	220	North	Asphalt	2	440	\$ 37,400.00
Peel Tce	Oliver St	Mitre Ten	80	South	Asphalt	2	160	\$ 13,600.00
Throssel St	Parker St	Lewis Wy	165	North	Asphalt	2	330	\$ 28,050.00
Wellington St	Gairdner St	Charles	320	South	Concrete	2	640	\$ 54,400.00
Jessup Tce	Newcastle Rd	End	90	South	Concrete	2	180	\$ 15,300.00
Gillet Rd	Goomalling Rd	Fairway Bnd	180	South	Concrete	2	360	\$ 30,600.00
			1725				3450	\$ 289,050.00

RECOMMENDATION

That Council endorse the:

1. Proposed locations for footpaths to be constructed to expend up to \$266,000 allocated in the 2013/14 annual budget by means on a public tender;

	Road Name	From	To	Lgth (m)	Side	Type	Width (m2)	Area (m2)	Cost Est.	Source
1	Avon River	Avon Bridge	Existing Path	60	South	Asphalt	2	120	\$ 6,000.00	Bike Plan
2	Northey St	East St	Edmunson St	210	North	Asphalt	2	420	\$ 35,700.00	Internal
3	Gregory St	Edmunson St	Lyon St	250	South	Asphalt	2	500	\$ 42,500.00	Internal
4	Henry Street Oval	Peel St	Carpark	100	South	Asphalt	2	200	\$ 17,000.00	Internal
11	Henry St Oval	Carpark	Stadium	50	South	Concrete	2	100	\$ 8,500.00	Internal
5	Selby	Atkinson St	Gordon St	220	North	Asphalt	2	440	\$ 37,400.00	Internal
6	Peel Tce	Oliver St	Mitre Ten	80	South	Asphalt	2	160	\$ 13,600.00	Internal
7	Throssel St	Parker St	Lewis Wy	165	North	Asphalt	2	330	\$ 28,050.00	Internal
8	Wellington St	Gairdner St	Charles	320	South	Concrete	2	640	\$ 54,400.00	Bike Plan
9	Jessup Tce	Newcastle Rd	End	90	South	Concrete	2	180	\$ 15,300.00	Bike Plan
				1545				3090	\$ 258,450.00	

2. Authorises staff to call tenders for the construction of the approved footpaths;

3. Following criteria for selecting the tender;

- a. Price **75%**
- b. Ability to deliver work (timeliness). **15%**
- c. Experience **10%**

4. Applies Policy F3.4 Regional Price Preference

5. Authorise the Chief Executive Officer to award the Tender for Footpath Construction in 2013/14, within the provided budget and based on the endorsed criteria.

ABSOLUTE MAJORITY

14. ELECTED MEMBERS MOTIONS OF WHICH PREVIOUS NOTICE HAS BEEN GIVEN

Nil

15. NEW BUSINESS OF AN URGENT NATURE INTRODUCED BY DECISION OF MEETING

15.1. Elected Members

Nil

15.2. Officers

Nil

16. CONFIDENTIAL ITEM/S

17. DECLARATION OF CLOSURE