



Hawkesbury City Council

attachment to item 291

Structural, Information
and Community Projects
undertaken through the
Environmental Stormwater
Program for the period
2002 - November 2006

date of meeting: 11 December 2007
location: council chambers
time: 5:00 p.m.

Structural, Information and Community Projects undertaken through the Environmental Stormwater Program for the period 2002- November 2006

10 Year Environmental Plan Management Plan Reference	Project	Aim	2002-2003		2003-2004		2004-2005		2005-2006		2006-2007	
			Comment	Status / Expenditure	Comment	Status / Expenditure	Comment	Status / Expenditure	Comment	Status / Expenditure	Comment	Status / Expenditure
Section 1.2	Gross Pollutant Trap maintenance	Annual cleaning of GPTs including newly installed units.	Commenced in March 2003.	Completed. \$23,901 spent		Completed \$25,484 spent	Annual recurrent cost of cleaning GPTs including newly installed units. \$61,978 spent	Completed. \$49,720 spent	Annual recurrent cost of cleaning GPTs including newly installed units.	\$40,491 spent	Annual recurrent cost of cleaning GPTs including newly installed units.	
Section 1.2	Construct Gross Pollutant Trap in William Cox Drive (subsequently installed at Castlereagh Road)	Reduce litter and sediment reaching Pughs Lagoon.	Castlereagh Road identified as a more appropriate and effective location.	Completed. \$102,504 spent								
Section 1.2	Construct Gross Pollutant Trap in Terrace Road, North Richmond.	Reduce litter and sediment reaching Redbank Creek.		Completed \$122,484 spent								
Section 1.2	Richmond Drainage – Hawkesbury Water Recycling Scheme	Maintain wetlands and channels to harvest stormwater, improve water quality and environmental flows to H- N via Rickabys Creek		Completed \$11,000 spent		Completed Nil	Completed \$12,000 spent	Completed \$12,000	Completed		Completed	\$12,000
Section 1.2	Construct Gross Pollutant Trap Dight Street Richmond	Reduce litter and sediment reaching Hawkesbury River.				Completed \$109,390 spent						
Section 1.2	Construct Gross Pollutant Trap in King Road Wilberforce.	Reduce litter and sediment reaching Hawkesbury River.				Completed \$27,275 spent						
Section 1.2	Construct Gross Pollutant trap in Duke & King Roads Wilberforce	Reduce litter and sediment reaching Hawkesbury River.					GPT site changed to other side of road due to presence of water main that is currently subject to consideration for other use. Nil	Pending consideration of alternative use for site.	Tenders currently being assessed	\$2,693 – to be completed 06/07	Completed Invoice to be processed	\$121,800

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Section 1.2	Construct Gross Pollutant Trap in King Road (near Coburg Rd) Wilberforce.	Reduce litter and sediment reaching Hawkesbury River.					Site investigation revealed hydraulic problems. Site relocated to other side of road. Two GPTs needed.	Pending consideration of alternative site.	Tenders currently being assessed	\$2,703 – to be completed 06/07	Completed	\$103,417 spent
Section 1.2	Dry weather flow pilot	Collect speciated metals from a GPT to prevent low level accumulation on the Hawkesbury River floodplains and sediments.					A soon-to-be-released retro filter is planned for installation and testing.	Pending release of retro filter	Tenders currently being assessed	To be reported to Council in near future - Nil		Nil spent
Section 2.1 & 3.4	Remnant Bushland Mapping	Identify remnant bushland for management and conservation.	Aerial photography work commenced.	Commenced.	Aerial photography completed	Aerial photography deferred pending legislative change	Integrated brief prepared to allow work to commence in Spring. New brief improves cost effectiveness and information required for remnant bushland, weed mapping and rural road reserve management.	Briefs completed.	Remnant vegetation contract in progress	On target - \$133,479 spent	Remnant vegetation contract in progress	On target - \$128,863 spent
Section 2.2	Bushland Impacts from Stormwater.	Protect bushland and creeks from stormwater impacts including weeds, soil and bank erosion.	Aerial photography and minor community works.	Commenced	Community involvement along Redbank Creek. Application for additional \$90,000 Green Core Grant funding successful.	Commenced	Site investigation for works to reduce impacts completed. Design currently being amended in line with key site considerations.	Pending key site considerations.	Freemans Reach site already allocated to a general revenue stormwater budget. Redbank creek site on hold pending decision on addressing Aboriginal issues	\$5,247	Redbank creek site on hold pending decision on addressing Aboriginal issues	Nil spent
				Nil		Nil		\$57,420 spent				

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Section 2.2	Freshwater Mussel Project	Research into use of freshwater mussels to improve stormwater treatment.			Partnership Project with Penrith City Council, UWS & Sydney Uni shows promising initial results incl. essential role of riparian vegetation in urban & rural environments	Annual work plan completed.	Money cannot be transferred to University unless a research agreement signed	Business case being prepared to show benefit of the research	Fresh Water Mussel project cancelled	Nil spent		
Section 1.2 & 2.1 & 2.2	Water Quality Monitoring	To improve water quality in the HN River System by establishing an integrated water quality monitoring program to improve Council's planning and decision- making, and appropriately inform and involve the community.			Council Water Quality Monitoring Toolkit completed and provided to all NSW councils	Scoping completed. Draft monitoring framework currently under development	Discussion paper prepared. Project halted pending resolution of funding beyond the levy program	\$17,400 spent	Water quality monitoring not commenced	Nil spent		
Section 4.1	Community Behavioural Change.	Assist the community to learn, understand and behave in ways that better protect the environment.	Street Keeper initiative scoped.	Completed	Including Hawkesbury Weedbuster Project. River Keeper appointment in early 2005/6.	Hawkesbury Weedbuster Program commenced. \$48,226 spent	River keeper position still being pursued with NSW Maritime, Baulkham Hills and Penrith Councils	Ongoing - \$9,522 spent	Has not commenced	\$1,250 spent		
Section 3.1 & 4.1	Environmentally Sensitive Zoning.	To better incorporate water sensitive design in Council's planning and decision making.	Community values regarding rivers and the environment were identified in C3. Linkages built between Council sections.	Commenced	Further scoping work undertaken for Redbank Creek pilot project.	Pilot Project completed. Environmentally sensitive zoning pilot project for Redbank Creek completed.	Review of water related DCP's in progress. Project waiting on State Govt release of Water Quality Objectives. Due in June. Project on track	Tenders for technical review being assessed - \$6,409 spent	Review of water related DCP's in progress. Almost complete	\$16,138 spent		

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Section 4.1	Baseline Community Survey and Strategy Development.	Benchmark local and regional community environmental and other values to provide strategic direction for ESL Program and identify key community members and partnership opportunities.	Stage 1 Scoping of approach and methods.	Stage 1 completed \$30,000 spent	Stage 2 Strategic development and benchmark values and awareness in Windsor Downs, Bligh Park, Pitt Town, North Richmond, Macdonald Valley and Kurrajong-Bilpin areas.	Stage 2 completed Nil	Stage 3 Additional baseline surveys commenced in Bowen Mountain, Kurrajong, Freemans Reach and Glossodia.	This financial years component completed. \$49,856 spent	Complete	This financial years component completed. \$32,695 spent	Complete	
Section 4.1	Community Involvement and Support.	Appropriately involve the community in developing strategic direction and provide support to community initiated projects.	Stage 1 Scoping and awarding of contract completed.	Stage 1 Completed \$545 spent	Stage 2 Community engagement based on survey results Macdonald Valley, Bligh Park, Kurrajong Bilpin and North Richmond-Redbank Creek.	Stage 2 commenced. \$27,578 spent	Stage 2 continuing community engagement, further engaging communities in Macdonald Valley, Kurrajong-Bilpin and North Richmond-Redbank Creek.	Nil	Draft tender prepared	Nil	Has not commenced	Nil spent
Section 4.1	Working with South Creek Market Gardeners	Collaborative project with four other Councils to reduce the environmental impacts of market gardening along South Creek.					Annual work program for two year project.	Annual work plan completed.	Ongoing	\$9,091 spent		
Section 4.1 & 4.2 & 4.3	Environmental/Stormwater Plan for Bligh Park	Reduce urban pollution loads to South Creek through a model integrated Stormwater Management Plan.					Scoping, rapid assessment & soil investigation complete. Work commenced on sediment budget as a prelude to the preparation of a draft Stormwater Management Plan.	Commenced	Waiting on hydraulic report for another project in Bligh Park	Commenced	Has not commenced	Nil spent