



COFFS HARBOUR CITY COUNCIL
ORDINARY MEETING
(CITY SERVICES COMMITTEE)
COUNCIL CHAMBER
COUNCIL ADMINISTRATION BUILDING
COFF AND CASTLE STREETS, COFFS HARBOUR
3 NOVEMBER 2005
Commencing at the conclusion of
City Business Units Committee Meeting

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COFFS HARBOUR CITY COUNCIL
ORDINARY MEETING
(CITY SERVICES COMMITTEE)
3 NOVEMBER 2005

Mayor and Councillors

CITY SERVICES DEPARTMENT REPORTS

S79 TRAFFIC COMMITTEE MEETING NO. 8/2005

Purpose:

To confirm minutes from the Traffic Committee Meeting held on 24 October 2005.

Recommendation:

T.49 – Lyster Street, Coffs Harbour - Designated car parking spaces (R.505120 [1150375])

That no action be taken to install designated car parking spaces in Lyster Street, Coffs Harbour, in front of the Coffs Harbour Veterinary Hospital.

T.50 – Hastings Street, Woolgoolga - Disabled Car Park (R.508600 [1137538])

That no action be taken to install a disabled car park in Hastings Street, Woolgoolga, adjacent the Pet Shop.

T.51 – Timed Bus Zones - Coffs Harbour

That bus zones be installed at the following locations in Coffs Harbour, in accordance with Plan T.51.

**Park Beach Road, Coffs Harbour
Bray Street, Coffs Harbour (Orara High School)
Earl Street, Coffs Harbour**

Attachments:

**COFFS HARBOUR CITY COUNCIL
TRAFFIC COMMITTEE MINUTES 8/2005
24 OCTOBER 2005 10.30AM**

Present: Sgt Brian Hughes, Coffs Harbour Police
Graham Carthew, Roads and Traffic Authority
Peter West, Coffs Taxi Network
George Stulle, Coffs Harbour City Council
Anne Shearer, Coffs Harbour City Council

Apology: Bill Palmer, Coffs Harbour City Council

Minute Taker: Ann Graham

T.49 – Lyster Street, Coffs Harbour - Designated car parking spaces (R.505120 [1150375])

Consideration to a request for two (2) designated car parking spaces in Lyster Street, Coffs Harbour, in front of Coffs Harbour Veterinary Hospital.

Recommended: that no action be taken to install designated car parking spaces in Lyster Street, Coffs Harbour, in front of the Coffs Harbour Veterinary Hospital.

Reason: The area is currently serviced by a 2 hour parking restriction in Lyster Street which is appropriate for the area.

T.50 – Hastings Street, Woolgoolga - Disabled Car Park (R.508600 [1137538])

Consideration to a request for a disabled car park in Hastings Street, Woolgoolga, adjacent the Pet Shop.

Recommended: that no action be taken to install a disabled car park in Hastings Street, Woolgoolga, adjacent the Pet Shop.

Reason: The road gradient in Hastings Street is too steep to allow installation of a disabled parking bay in accordance with Australian Standards.

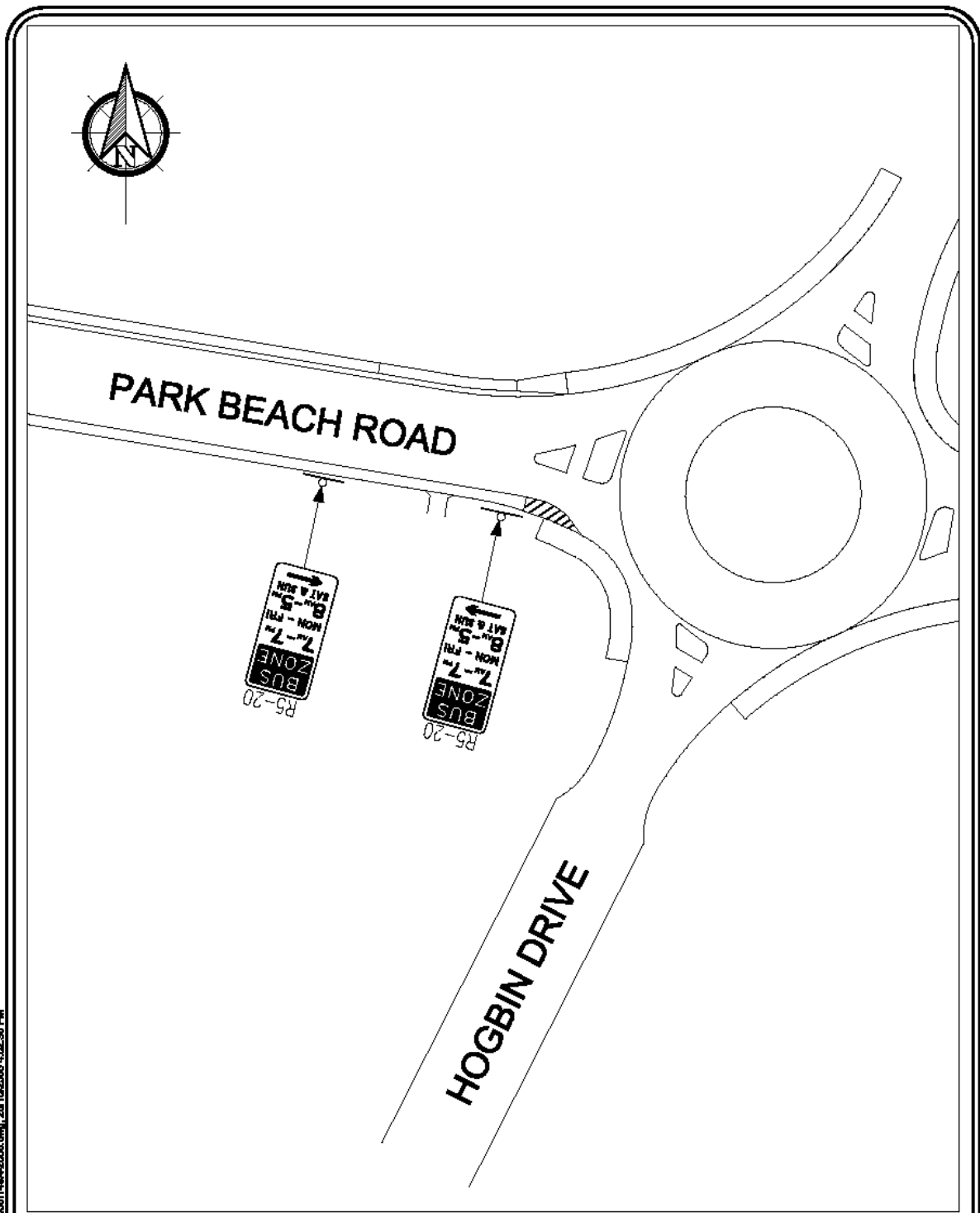
T.51 – Timed Bus Zones - Coffs Harbour

Consideration to the installation of timed bus zones at various locations in Coffs Harbour.

Recommended: that bus zones be installed at the following locations in Coffs Harbour, in accordance with Plan T.51.

**Park Beach Road, Coffs Harbour
Bray Street, Coffs Harbour (Orara High School)
Earl Street, Coffs Harbour**

The Meeting closed at 11.45am.



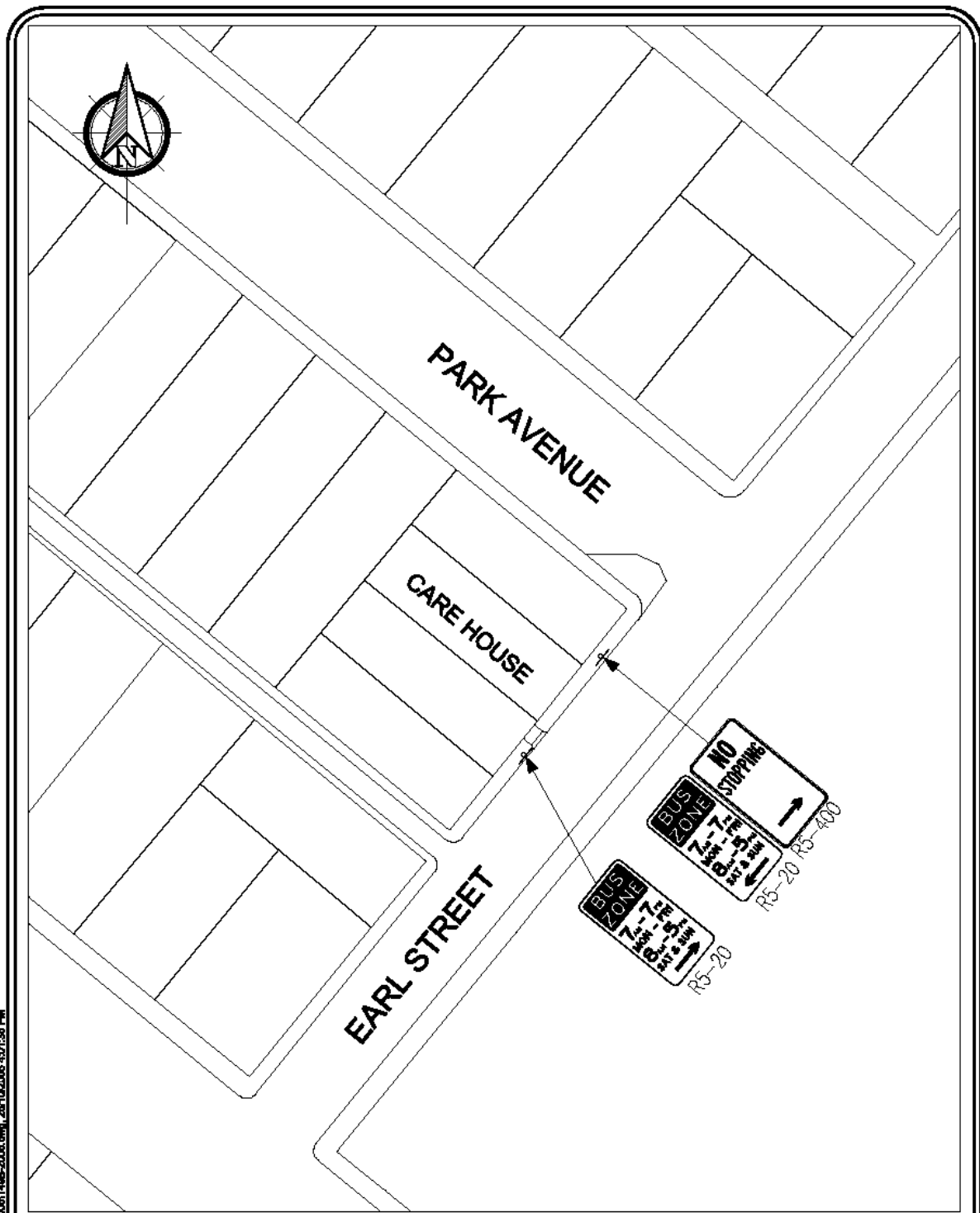
PLAN VIEW

NOTES:
 PROVIDE SIGN POST FOR BUS STOP

TRAFFIC INSTRUMENT

T.49a-2005
 PARK BEACH ROAD
 COFFS HARBOUR

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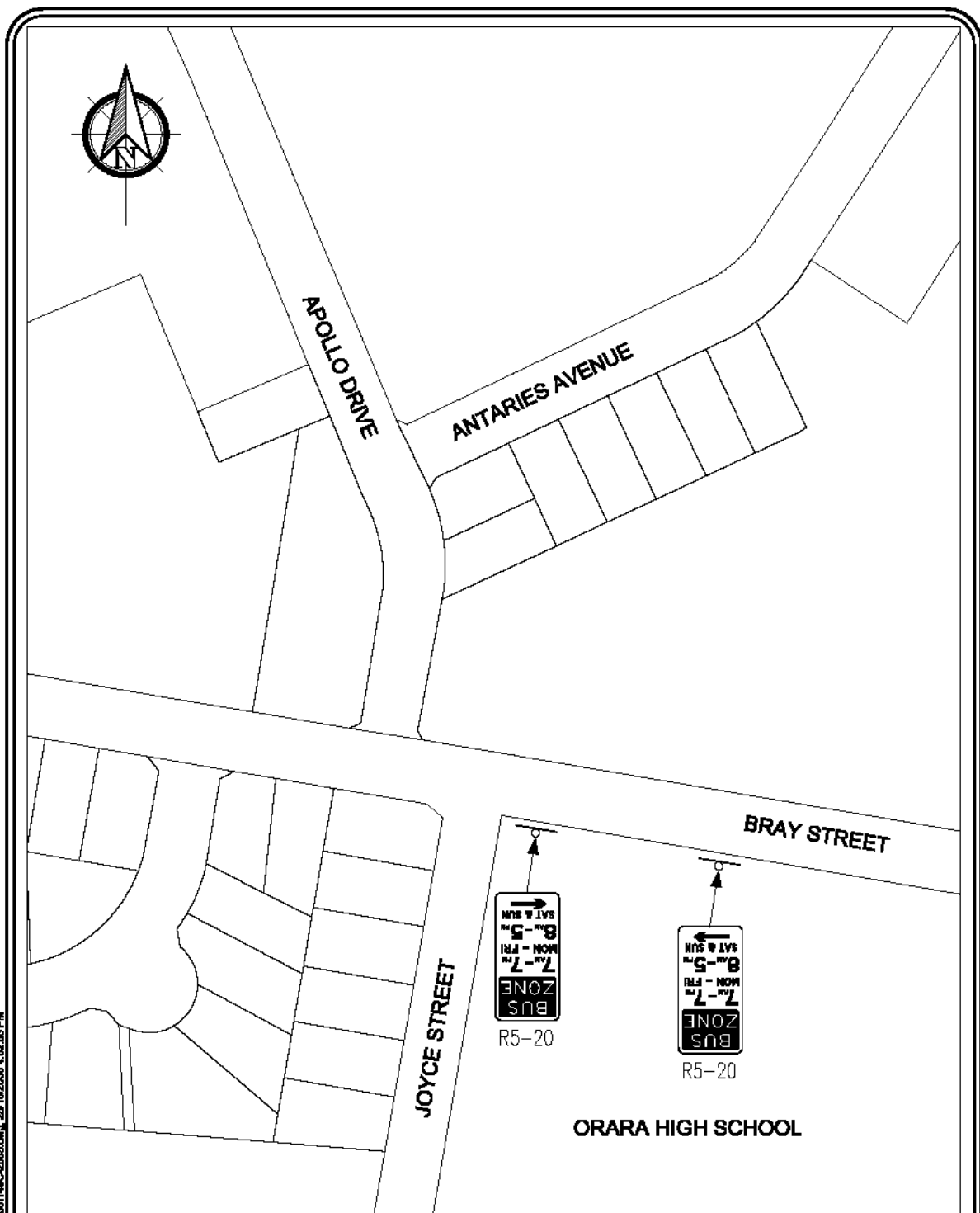


PLAN VIEW

NOTES:
 PROVIDE SIGN POST BUS STOP AND NO STOPPING

TRAFFIC INSTRUMENT
 T.49b-2005
 CNR EARL STREET AND PARK AVE
 COFFS HARBOUR

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PLAN VIEW

NOTES:
 PROVIDE SIGN POST FOR BUS STOP

TRAFFIC INSTRUMENT

T.49c-2005
 BRAY STREET
 COFFS HARBOUR

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S80 COASTAL ESTUARY MANAGEMENT ADVISORY COMMITTEE

Purpose:

To report minutes of the Coastal Estuary Management Advisory Committee Meeting held on 28 September 2005.

Description of Item:

All items were of a routine nature except for the following recommendations of the Committee, which require consideration of Council:

6. Pipe Clay Lagoon

CEMAC5 *that Council seek matching funds from Department of Crown Lands for the project plus facilitate a meeting with NPWS to look at including the area in the 'Regional Park'.*

9. Coastal and Estuary Management Priorities

CEMAC6 *that Council seek funding for the projects shown below in order of priority and available Council funding.*

Estuary Projects

1. *Boambee/Newports Creek EMP.*
2. *Review of Woolgoolga Creek Estuary MP.*
3. *Review of Coffs Creek EMP.*
4. *Arwarra Creek EMP.*
4. *Darkum Creek EMP.*
5. *Coffs LGA Water Quality monitoring program.*
7. *Bundagen Creek EMP.*

Coastal Projects

1. *Finalise Campbells Beach Coastal Management Plan.*
2. *Coffs Harbour LGA Coastal Management Plan.*
3. *Korora Beach Coastal Hazard Management Plan.*
4. *Dredging Harbour / Park Beach Nourishment.*

Cont'd

S80 - Coastal Estuary Management Advisory Committee ... (Cont'd)

Recommendation:

That Council:

- 1. Note the minutes of the Coastal Estuary Management Advisory Committee Meeting held on 28 September 2005.**
- 2. Seek matching funds from the Department of Crown Lands for the Pipe Clay Lagoon Estuary Management Plan plus facilitate a meeting with NPWS to look at including the subject area in the 'Regional Park'.**
- 3. Seek funding from the Department of Natural Resources for the projects shown below in order of priority and available Council funding.**

Estuary Projects

- 1. Boambee/Newports Creek EMP.**
- 2. Review of Woolgoolga Creek Estuary MP.**
- 3. Review of Coffs Creek EMP.**
- 4. Arrawarra Creek EMP.**
- 4. Darkum Creek EMP.**
- 5. Coffs LGA Water Quality monitoring program.**
- 7. Bundagen Creek EMP.**

Coastal Projects

- 1. Finalise Campbells Beach Coastal Management Plan.**
- 2. Coffs Harbour LGA Coastal Management Plan.**
- 3. Korora Beach Coastal Hazard Management Plan.**
- 4. Dredging Harbour / Park Beach Nourishment.**

Attachments:

**COFFS HARBOUR CITY COUNCIL
COASTAL ESTUARY MANAGEMENT ADVISORY COMMITTEE**

28 SEPTEMBER 2005

The meeting of the Coastal Estuary Management Advisory Committee (CEMAC) commenced at 4:00pm.

Present: Councillor Rod McKelvey, Coffs Harbour City Council (Chairperson)
Mr Geoff Newton, Coffs Harbour City Council
Mr George Stulle, Coffs Harbour City Council
Mr Martin Rose, Coffs Harbour City Council
Mr Brett Snelson, Coffs Harbour City Council
Ms Alexandra Williams, Coffs Harbour City Council
Mr Robert Kasmarik, Dept of Infrastructure, Planning & Natural Resources
Mr David Greenhalgh, Marine Parks Authority
Mr Glen Storrie, Dept. of Environment and Conservation (Parks Div)
Dr Charles Phipps, Community Representative
Mr Peter Smith, Community Representative

Apologies: Cr Gavin Smithers, Coffs Harbour City Council
Mr Clyde Treadwell, Coffs Harbour City Council
Mr Stephen Sawtell, Coffs Harbour City Council
Mr Lachie Whetham, Coffs Harbour City Council

1. APOLOGIES

CEMAC3 **RECOMMENDED** that the apologies received from Mr Clyde Treadwell, (Coffs Harbour City Council), Mr Stephen Sawtell, (Coffs Harbour City Council) and Cr Gavin Smithers, (Coffs Harbour City Council), be accepted.

2. CONFIRMATION OF MINUTES

Robert Kasmarik asked for the "not" to be removed from the last point of item 6 regarding sand nourishment of Park Beach.

CEMAC4 **RECOMMENDED** (Charles Phipps/Robert Kasmarik) that the minutes of the Coastal Estuary Management Advisory Committee meeting of 30 November 2004, be confirmed as amended above.

3. BUSINESS ARISING

No business arising from the minutes.

4. MOONEE CREEK ESTUARY MANAGEMENT PLAN

Council staff have compiled comments on the Moonee Estuary Management Study from Council departments and Department of Natural Resources, and forwarded these onto the consultants to amend the first draft. The main issues found were in relation to planning strategies. The draft management study and management plan will be made available to the committee prior to the next Committee meeting.

Geoff Newtown recommended a date to be confirmed with the consultants so that the documents will be available to the committee at least 3 weeks before the next meeting.

Peter Smith raised the point that as discussed in the last meeting there needs to be more active management of consultants.

5. HEARNES LAKE EMP

Martin Rose provided an overview of the plan's status. The consultants, WBM have provided a draft Background Data Review and it is available to the Committee in digital format. The processes study is awaiting hydro-survey and photogrammetrical analysis from the Department of Natural Resources.

Robert Kasmarik commented the information may be available in 3 weeks time, however the Sydney office is under-resourced and information may be delayed.

Discussion of the community survey took place, comments were made about the high interest from the community with approximately 150 responses received.

The Hearnese Lake DCP is scheduled to go to the December Council meeting.

Philip Haines has been asked to brief Council executive on 19 October regarding the proposed buffers and environmental issues for Hearnese Lake.

Also WBM'S engagement has been amended to include catchment / MUSIC modelling for Hearnese Lake. WBM will be providing technical input into the DCP.

Peter Smith enquired about community consultation for the DCP and Estuary Management Plan. George Stulle explained the DCP has a community consultation component regarding Hearnese Lake issues. The community consultation for the EMP and DCP have been dovetailed to be complimentary and non-repetitive on the community.

Robert Kasmarik, in his last discussions with WBM is that they would like to propose a change in format to a Vulnerability-Pressure-State-Risk-Response (VPSRR) approach. A paper regarding this decision support method approach can be found at:

http://www.coastal.crc.org.au/pdf/SIMMOD2005_Harris_Ramsay_Howes.pdf

Robert Kasmarik and Martin Rose will need to discuss this with Phillip from WBM. The end results from such an approach appear to be user friendly and matches well with other indicator reports such as the State of Environment reporting.

Glen Storrie expressed concerns for the buffers of Hearn's Lake. George Stulle explained there will be another meeting with the government agencies involved to discuss the buffers and also issues around land tenure.

6. PIPE CLAY LAGOON

George Stulle explained some brief history about the project; CHCC inherited the project from Pristine Waters and commencement of the project was deferred until funding from Clarence Valley Council (CVC) was finalised.

Funding received from CVC was not associated with specific projects and Council still needs to allocate the funds received to projects.

Pipe Clay Lagoon is located on Crown Land associated with the Caravan Park. Crown Lands wanted to keep the Caravan Park and give the remaining Crown land to Council. Council did not accept this arrangement and all the Crown land has stayed under the control of the Crown Lands Department. Council is to write to the Department of Crown Lands and seek matching funds to undertake the project.

A letter needs to go out to the Lands Council in regards to CHCC's intent.

Peter Smith noted that CHCC has made a public statement regarding commitment to undertake the project.

David Greenhalgh pointed out that CHCC has urban stormwater responsibilities regarding Pipe Clay Lagoon.

George Stulle agreed CHCC has those responsibilities, however CHCC would not have the authority to do anything on the land surrounding the lagoon.

Glen Storrie raised a point about the Regional Park. The vision for the regional park was to extend it as far as Yurigir National Park just to the north of Red Rock. Council to organise a meeting between Council and National Parks to look at the Regional Parks boundaries and the possibility of including to Crown land at Corindi.

CEMAC5 **RECOMMENDED** that Council seek matching funds from Department of Crown Lands for the project plus facilitate a meeting with NPWS to look at including the area in the 'Regional Park'.

7. CORINDI RIVER

Council has resolved that there is the funding available in this year's budget to undertake the Corindi River Estuary project works. Council does have resource issues at present but will develop a time frame for the project. Peter Smith and Robert Kasmarik offered their assistance for the project that Council will look to make use of.

8. BONVILLE - PINE CREEK PROCESSES STUDY AND ESTUARY MANAGEMENT STUDY / PLAN

Final copies, both hard and electronic, of the Bonville-Pine Creek Estuary Management Study have been received from Patterson Britton and the contract with Patterson Britton finalised.

Council has also received electronic copies of the Bonville-Pine Creek Estuary Management Study and Plan from Patterson Britton. Due to the time delays in finalising the plans plus a need to revise priorities and likely funding for actions, the study and the plan will be reviewed. The initial review will be done by Council and Department of Natural Resources in consultation with National Parks & Wildlife Service. The amended documents will then be presented to the Committee for review and comment.

9. COASTAL AND ESTUARY MANAGEMENT PRIORITIES

Council sought input from the different departments within Council as to priorities for Estuary and Coastal programs. This was done to give direction for future funding and to try to avoid cases like Hearn's Lake where Council is developing the DCP prior to the Estuary Plan completion.

From the feedback from the various departments Council put forward its highest priorities for the Estuary Program being Boambee-Newports EMP, then Review of Woolgoolga creek Estuary Management Plan. Discussion was had on the various issues and merits of the different projects and the priorities list was agreed to as follows:

1. Boambee/Newports Creek EMP.
2. Review of Woolgoolga Creek Estuary MP.
3. Review of Coffs Creek EMP.
4. Arrawarra Creek EMP.
4. Darkum Creek EMP.
5. Coffs LGA Water Quality monitoring program.
7. Bundagen Creek EMP.

The same process was followed for the Coastal program and the following priorities agreed to:-

1. Finalise Campbells Beach Coastal Management Plan.
2. Coffs Harbour LGA Coastal Management Plan.
3. Korora Beach Coastal Hazard Management Plan.
4. Dredging Harbour / Park Beach Nourishment.

CEMAC6 **RECOMMENDED** that Council seek funding for the projects shown below in order of priority and available Council funding.

Estuary Projects

1. Boambee/Newports Creek EMP.
2. Review of Woolgoolga Creek Estuary MP.
3. Review of Coffs Creek EMP.
4. Arrawarra Creek EMP.
4. Darkum Creek EMP.
5. Coffs LGA Water Quality monitoring program.
7. Bundagen Creek EMP.

Coastal Projects

1. Finalise Campbells Beach Coastal Management Plan.
2. Coffs Harbour LGA Coastal Management Plan.
3. Korora Beach Coastal Hazard Management Plan.
4. Dredging Harbour / Park Beach Nourishment.

10. GENERAL BUSINESS

NIL

11. NEXT MEETING

The next meeting will be held in late November.

S81 WORKS BRANCH REPORT

Purpose:

To advise Council of the progress of construction and maintenance programs undertaken by Works Branch up to 24 October, 2005.

Description of Item:

1. Completed Works to 24th October 2005

- Englands Road Coffs Coast Resource Recovery Facility services relocations
- Drainage Rezik Close Safety Beach (lintel pit, 6m of 375dia pipe and berm works).
 Combine Street Park stormwater drainage (176m of various diameter pipes)
- Footpath Construction Marina Drive footpath at the level rail crossing, (170m)
- Road Rehabilitation Mackay Street Woolgoolga (1600m²)
 Nile Street Coffs Harbour Jetty (865m²)
- Criterian Track Hulberts Road plus netball courts.
- Water main extension Bacon Close, 52m of water and sewer pipe

2. Works continuing or planned for commencement in November 05

- Drainage Marshalls Oval – eastern drain 246m of twin 450mm dia
 Marshalls Oval – western drain 192m of triple 450mm dia
- Reuse Main Morgans Road, section 1, 780m 150mm dia
- Road Rehabilitation Meadow Street Coffs Harbour (1080m² of box out)
 Thompsons Road Coffs Harbour (4020m²)
 Nimbin Close Coffs Harbour (800m²)
 Gordon Street Coffs Harbour (680m²)
 Ganderton Street Coffs Harbour (500m²)
- Footpath Construction Albany Street (190m²)
- Local Roads and Roads to Recovery Gravel Resheets - various locations

Attached for Council's information is a summary of expenditure verses budget for 2005/06 Capital Works Program.

Maintenance Report

1. Bitumen Sealing Program

The Bitumen Sealing Program has commenced with various roads in Bonville recently completed. The spray seal program is to continue into the suburb of Sawtell starting 26h October 2005.

S81 - Works Branch Report .. (Cont'd)

2. Asset Management

Works Branch, with the assistance of Computer Services and the GIS Section has recently mapped out the pavement segments within ArcView GIS and has visually represented pavement condition information on Council's internal Emap system.

3. Boat Ramp Groyne Remediation Works

Works have recently commenced to infill the interface between the geotextile groyne and existing breakwater with rock. These works will alleviate the ongoing problem of the mouth of the boat ramp basin being in-filled with sand.

4. Maintenance Management

Maintenance activities progressing as planned and to budget

Recommendation:

That Council:

- 1. Notes the progress report on construction and maintenance works undertaken by Works Branch up to 24th October, 2005.**
- 2. Notes the individual program expenditures are being monitored and are within the allocated 2005/2006 budget.**

Attachments:

**Works Branch-Construction Projects Budget/Expenditure
2005/2006 Program**

AS AT DATE: 24-Oct-05

Description	Revised Budget	Actual Expenditure	% Project Complete	% Costs Expended
Local Roads				
Sealed Roads Reseals	\$644,000	\$54,028	9%	8%
Sealed Roads Reseals - Asphalt	\$59,000	\$18,993	34%	32%
Sealed Roads Rehabilitation	\$1,015,000	\$337,547	32%	33%
Dust Sealing	\$160,000	\$0	0%	0%
Unsealed Roads Gravel Resheeting	\$126,014	\$106,881	87%	85%
Bray St Upgrade	\$400,000	\$469,228	100%	117%
Total:	\$2,404,014	\$986,677		
Federal Roads to Recovery				
Residential Street Rehabilitation	\$205,000	\$0	0%	0%
Gravel Resheeting	\$50,000	\$51,406	100%	103%
Sealed Roads Reseals	\$116,792	\$14,934	13%	13%
Total:	\$371,792	\$66,340		
Regional Roads				
3 X 3 Program	\$131,000	\$0	0%	0%
Regional Roads Repair Program	\$318,200	\$0	0%	0%
Regional Roads Timber Bridge Replacement Program	\$237,500	\$0	0%	0%
Total:	\$686,700	\$0		
Drainage				
Drainage Improvements / Nuisance Flooding	\$218,000	\$45,853	35%	21%
Total:	\$218,000	\$45,853		
Bridges				
Major Repairs	\$168,000	\$8,422	5%	5%
Cathodic Protection (Fred Hanson Bridge)	\$100,000	\$0	0%	0%
Total:	\$268,000	\$8,422		
Footpaths / Cycleways				
Footpath Construction	\$405,636	\$88,908	27%	22%
PAMPS Footpath Works	\$50,000	\$0	0%	0%
Cycleway Projects	\$115,000	\$0	0%	0%
Total:	\$570,636	\$88,908		

S82 NSW DEPARTMENT OF TOURISM, SPORT AND RECREATION REGIONAL SPORTS FACILITIES PROGRAM GRANT APPLICATION 2005/2006

Purpose:

To seek approval from Council to submit an application for Capital Assistance from the NSW Department of Tourism, Sport and Recreation for the upgrading and expansion of Sportz Central.

Description of Item:

The Sportz Central Management Committee have been working towards the upgrade of the Stadium including Place of Public Entertainment (POPE) License application for the past year. The upgrade of the Stadium would provide for a more diversified usage of the Stadium including both recreational and entertainment activities of a regional state, national and international level. The upgrade would provide capacity for up to 1,000 and include an improved entry, spacious lobby, storage for wheelchairs and sporting equipment, new meeting room, relocated Manager's office, performance/sports change rooms and insulation for improved acoustics and temperature. It is also acknowledged that the National Basketball League games held at the Stadium whilst sporting in nature is now at a scale considered as entertainment. Most recently the Sydney Symphony Orchestra played for over 1,500 Coffs Harbour and Port Macquarie children at the Stadium which was a great success, however, there were limitations brought about by the building including the small entry and lobby area.

Council previously confirmed it's commitment to this project by including it in the proposed City Facilities Program in the adopted 2005-2008 Management Plan. However, the NSW Minister for Local Government having refused the rate rise resulted in only \$80,000 being available. The management committee is now in the process of utilising these funds to complete the POPE conditions.

The committee has revised this project into two stages.

Stage 1 is estimated at \$400,000 and the project will result in:

- a spacious lobby and improved entry
- storage for wheelchairs and sporting equipment
- new meeting room
- insulation for improved acoustics and temperature

Stage 2 will provide for a larger and renovated entry foyer together with new canteen facility.

The NSW Department of Tourism, Sport and Recreation currently has the Regional Sports Facilities grant available. Funding is available to assist with the construction or upgrading of major sport and recreation facilities throughout NSW.

Priority is given to facilities that meet the needs of the general community to participate in sport, recreation and/or physical activities that may also incorporate uses for talented and elite athletes.

Cont'd

S82 - NSW Department of Tourism, Sport and Recreation Regional Sports Facilities Program Grant Application 2005/2006 (Cont'd)

The types of projects that will be considered are:

- Upgrading of existing facilities e.g., upgrading a local facility to incorporate state or national standards and/or be able to cater for multipurpose activities;
- Construction of new facilities;
- Provision of ancillary and support facilities at established facilities e.g., amenities; and
- Applications are particularly encouraged for projects that will improve access for under-represented groups e.g., individuals with a disability and people from rural or remote communities.

The maximum grant available under this program is \$200,000 and must be matched on a dollar for dollar basis.

As a result of this information an application can be made for funding for up to \$200,000 towards the upgrading and extension of Sportz Central. Accordingly, to fund Stage 1 of the project amounting to \$400,000, the Sportz Central Management Committee is seeking a further commitment of \$200,000 in Council's Management Plan for 2006/2007 to match the State Government funding should the grant application be successful.

A representative from the NSW Department of Tourism, Sport and Recreation has been consulted regarding the possible application. The application for the upgrading and extension of Sportz Central would be considered in the program.

Sustainability Assessment:

- **Environment**

The environmental impact will be minimal as the proposed upgrade will enhance the thermal and acoustic characteristics of the building.

- **Social**

There are many benefits to the local, rural and regional community. These include, but are not limited to, the ability to experience or participate in state and national level sporting and entertainment events not previously seen on the Coffs Coast, but otherwise only available in City locations.

- **Economic**

Broader Economic Implications

The impact of increased sporting and performance events results in greater sports and event tourism for Coffs Harbour. The upgrade of Sportz Central will attract more international, national and regional events. These events will draw participants and supporters nationwide into Coffs Harbour. We will be able to cater for multipurpose activities including attracting cultural entertainment for the residents and tourists of Coffs Harbour. Events such as the NBL Blitz and the return of the Sydney Symphony Orchestra's Sydney Sinfonia who inspired over 1,500 Coffs Harbour and Port Macquarie children, and the proposed OZ Opera production could bring in an estimated \$500,000 per event. Four planned events for 2006 would likely result in \$2 million revenue for Coffs Harbour tourist and business companies.

Cont'd

S82 - NSW Department of Tourism, Sport and Recreation Regional Sports Facilities Program Grant Application 2005/2006 (Cont'd)

It is considered prudent to invest in the upgrade of this high performing facility in order to maximise this community asset and further social development.

City Treasurer's Comment:

A decision in favour of the proposal will result in a definite commitment in 2006/07 subject to the grant application being successful.

Management Plan Implications

The financial requirement of the funding program is that applicants must be able to verify that they have at least 50% of the net project cost. The maximum amount that can be requested is \$200,000 under this program. Should the grant be successful then \$200,000 will be required in the Management Plan for 2006/2007. Announcement of successful projects is not until June 2006.

Consultation:

Sportz Central Management Committee.

Issues:

Applications close on 30 November 2005.

Recommendation:

That an application be made to the NSW Department of Tourism, Sport and Recreation under the 2005/2006 Regional Sports Facilities Program for \$200,000 to upgrade and extend Sportz Central which, if successful, will be required to be matched with a further \$200,000 from Council in its Management Plan 2006/2007.

S83 COFFS HARBOUR WATER REPORT JULY TO SEPTEMBER 2005

Purpose:

Information on maintenance, operation and construction activities for the three month period July to September 2005 for the Water Supply Fund.

Description of Item:

1. Water Supply

In addition to the routine maintenance and operation activities, the following works were carried out:

- Assisted contractors with main shut down and cut-in at Moonee Beach.
- Lowered water services for contractor in Pullen Street, Woolgoolga.
- Assisted Construction gang with mains cut-ins in Bray Street, Coffs Harbour.
- Assisted Mullaway sewerage contractors with mains/service locations and lowering of services at Arrawarra and Mullaway.
- Yearly Dam Safety Inspections carried out by DEUS at Karangi and Woolgoolga Dams.
- Flushing carried out in all areas between 6 and 23 September, 2005.
- Lowered 375dia trunk main for developers contractor at Heritage Park Estate, Moonee Beach.
- Assisted Construction gang with installation of 100mm RPZ backflow device at new waste recovery facility at Englands Road, Coffs Harbour.
- 60, Year 3 and 4 students from St Francis Xavier School, Woolgoolga toured Karangi Dam in September.
- Six Operational staff attended Road Signage Course.
- All Operations staff attended Manual Handling Course.
- All Operational staff attended Tyco Pipe Laying Course.
- One Operational staff member attended basic computer training.

		July	August	Sept
1.	Total Consumption - Karangi Dam Supply (ML)	451.1	479.7	480.8
2.	Average Daily Consumption (ML/d)	14.6	15.5	16.0
3.	Rainfall at Karangi Dam (mm)	69.9	9.2	87.9
4.	Karangi Dam (%) (end of month)	99.3	99.6	98.5
8.	Total Abstraction from Cochranes Pool (ML)	186.8	18.8	3.0
5.	Inflow from Regional Water Supply pipeline (ML)	203.7	493.1	404.9
6.	Orara River flow d/stream of P/S (ML/d) (end of month)	54.9	21.2	24.9
7.	Nymboida River flow upstream of off take (ML/d) (end of month)	545	364	519
10.	Total Evaporation (ML) (average for month)	26.0	35.0	38.0
11.	Total Consumption Coramba (ML)	2.4	2.8	2.8
12.	Total Consumption Nana Glen (ML)	1.2	1.9	1.6

Cont'd

2. Sewerage

Mullaway Arrawarra Sewerage

Pipework

Approximately 95% of the pipework is complete in the project. Construction is continuing in Arrawarra Beach, and a small section of the Trunk Rising Main to Woolgoolga Water Reclamation Plant is to be constructed through the CBD of Woolgoolga. The submarine crossings of Yarrowarra Creek and Woolgoolga Lake are due to commence in early November.

Construction has been completed in all other areas, and is presently being tested for conformity.

In early November, the Contractor will commence work on the cycleways and access roads that are part of the project.

The date of completion for the pipework is in early December, with the project remaining on time.

Pumping Stations

Seven of the Pumping Stations have been completed, with Station 28 90% constructed. This Station will be completed when the submarine crossing of Yarrowarra Creek has been constructed.

Bridge over Darkum Creek

The pipe/cycle bridge over Darkum Creek was completed in late September, and will be able to be used by cyclist once the pipelaying contractor completes the connecting cycleways.

Connection to Arrawarra/Mullaway Sewerage System

Connection to the Arrawarra/Mullaway sewerage system can be made from 1 February 2006.

A workshop was held in mid October for local plumbers, outlining Council's requirements for connection to the system.

Letters were sent out to owners in late October, advising them of the procedure necessary for connection to sewerage services

Sewerage Operations

In addition to the routine maintenance and operation activities, the following were carried out:

- Responded to one sewage overflow into Middle Creek, Toormina and Council has liaised with all relevant statutory bodies. A six week monitoring program was terminated when it was demonstrated that testing showed only background levels of contamination.

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- Regional Operators conference held at Coffs Harbour with a paper presented by Ross Waugh, Operator Coffs Harbour WRP.
- Conducted visits to Water Reclamation Plants with the following organisations: Brisbane Water and Tweed Shire Council to Woolgoolga WRP: Southern Cross / National Marine Science Centre to Woolgoolga and Moonee WRPs, Coffs Harbour High School to – Coffs Harbour WRP.
- Inspection of the Woolgoolga WRP by the National evaluators for the Construction Case Awards.
- Process proving for the Woolgoolga WRP completed with only turbidity remaining to complete.

Below is a breakdown of the effluent reuse throughout the City. Volumes shown are in kilolitres.

EFFLUENT VOLUMES (kL) - July to September 2005

		% Reuse	Total Effluent	Effluent Reused	Effluent Disposed	Rainfall
July	Coffs Harbour	3%	281,805	9,016	272,789	82
	Sawtell	1%	107,420	1,327	106,093	78
	Woolgoolga Moonee	10%	89,684	9,303	80,381	90
	Corindi Beach	4%	6,692	269	269	106
	Monthly Total	4%	485,601	19,915	459,532	
August	Coffs Harbour	8%	274,783	21,111	253,672	14
	Sawtell	2%	109,362	1,722	107,640	7
	Woolgoolga Moonee	27%	51,460	13,702	37,758	12
	Corindi Beach	9%	5,638	483	483	16
	Monthly Total	8%	441,243	37,018	399,553	
September	Coffs Harbour	3%	371,416	11,123	360,293	29
	Sawtell	0%	119,477	8	119,469	0
	Woolgoolga Moonee	44%	52,280	23,013	29,267	94
	Corindi Beach	16%	5,985	977	977	55
	Monthly Total	6%	549,158	35,121	510,006	

REUSE BREAKDOWN (kL) - July to September 2005

	July	August	September	Total
COFFS HARBOUR WRP	909	1742	2088	4739
OVERHEAD FILL POINT	0	0	0	0
UNMETERED TRUCK FILL POINT	15	60	2	77
PS 47 OVERHEAD FILL POINT	6	14	0	20
PS 47	448	534	1634	2616
RSPCA	3	0	0	3
AIRPORT	194	5	165	364
RACE CLUB	385	2761	595	3741
UNIVERSITY	0	0	0	0
ADVOCATE PARK	0	571	172	743

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HOCKEY FIELDS	0	0	0	0
MOTO X	3	13	262	278
STADIUM	1118	1632	1280	4030
FLUSHING POINT (STADIUM)	2102	3150	7	5259
GOLF CLUB	7	5338	882	6227
CITY HILL	1	1	0	2
STADIUM DAM	1	1649	1535	3185
STADIUM DR - fruit trees	0	409	547	956
REX HARD. OVAL	513	861	483	1857
SAWTELL RUGBY UNION	1700	29	0	1729
SAWTELL NURSERY	984	1602	824	3410
SAWTELL ROUNDABOUT (BARCOO)	627	740	647	2014
JOHN PAUL COLLEGE	0	0	0	0
LEIGHTONS	0	0	0	0
TOTAL COFFS WRP	9016	21111	11123	41250
SAWTELL WRP				0
SAWTELL BOWLING CLUB	260	211	0	471
CHINAMANS CK P/S	47	119	0	166
SAWTELL GOLF CLUB	1020	1392	8	2420
TOTAL SAWTELL WRP	1327	1722	8	3057
WOOLGOOLA WRP				0
WOOLGOOLGA PLAYING FIELDS (HIGH ST)	724	644	993	2361
GRAHAM DR - tomatoes	15	54	69	138
MORGANS RD - cut flowers	1	1	11	13
UNWINS RD (TOP) - bananas	1227	1216	1662	4105
UNWINS RD (BOTTOM) - bananas	224	364	4238	4826
CONDONS RD - bananas & avocados	2028	2414	3017	7459
CONDONS RD - bananas & blueberries	39	29	27	95
CONDONS RD - avocados	356	404	385	1145
HOLLOWAYS RD - bananas & blueberries	1173	3577	6799	11549
MORGANS RD - tomatoes & cucumbers	491	582	916	1989
MORGANS RD - tomatoes & cucumbers	0	0	0	0
TANKER FARM1	4	3	1	8
CONDONS RD - bananas	143	0	777	920
GRAHAM DR - bananas	43	61	41	145
MORGANS FARM 1	506	510	182	1198
MORGANS FARM 2	2091	3595	3474	9160
MORGANS RD - bananas & blueberries	238	248	285	771
NEW (MORGANS)	0	0	0	0
PACIFIC H/WAY - macadamia nuts	0	0	136	136
TOTAL WOOLGOOLGA WRP	9303	13702	23013	46018
CORINDI BEACH WRP				
PASTURE	208	148	452	808
BANANAS	61	335	525	921
TOTAL CORINDI WRP	269	483	977	1729

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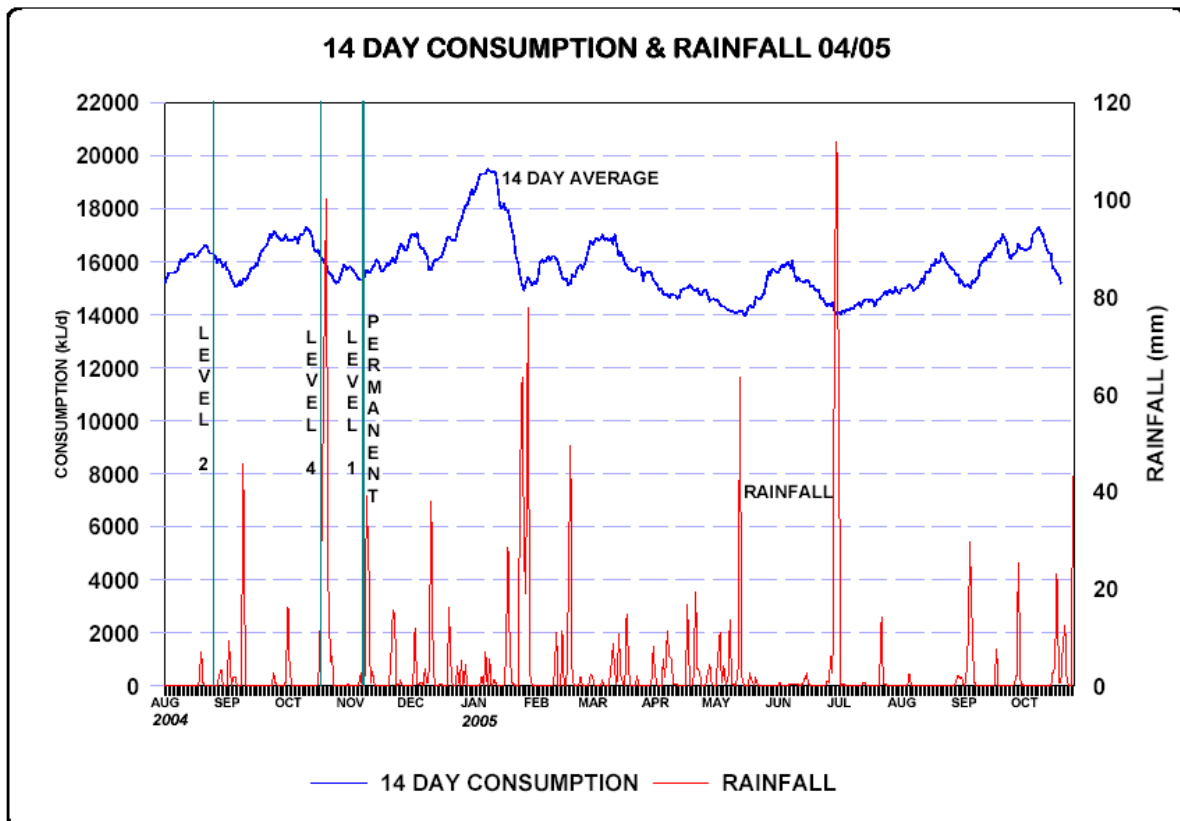
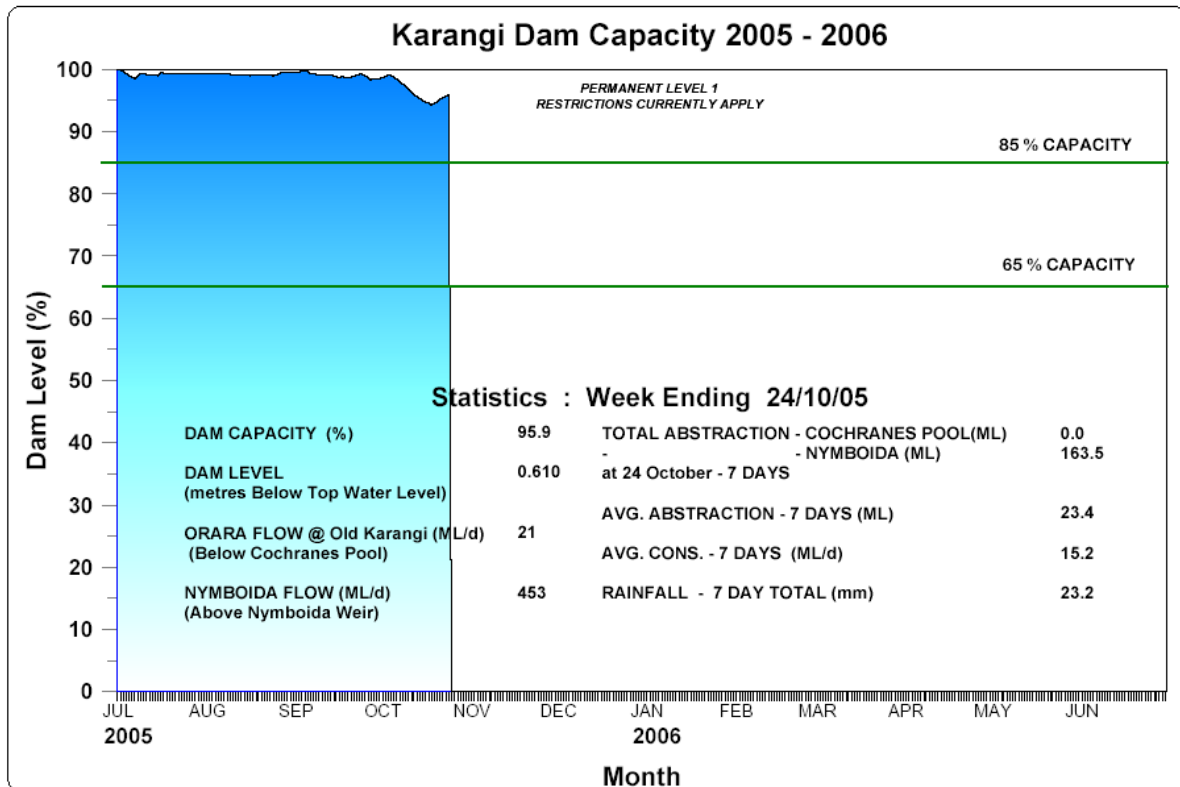
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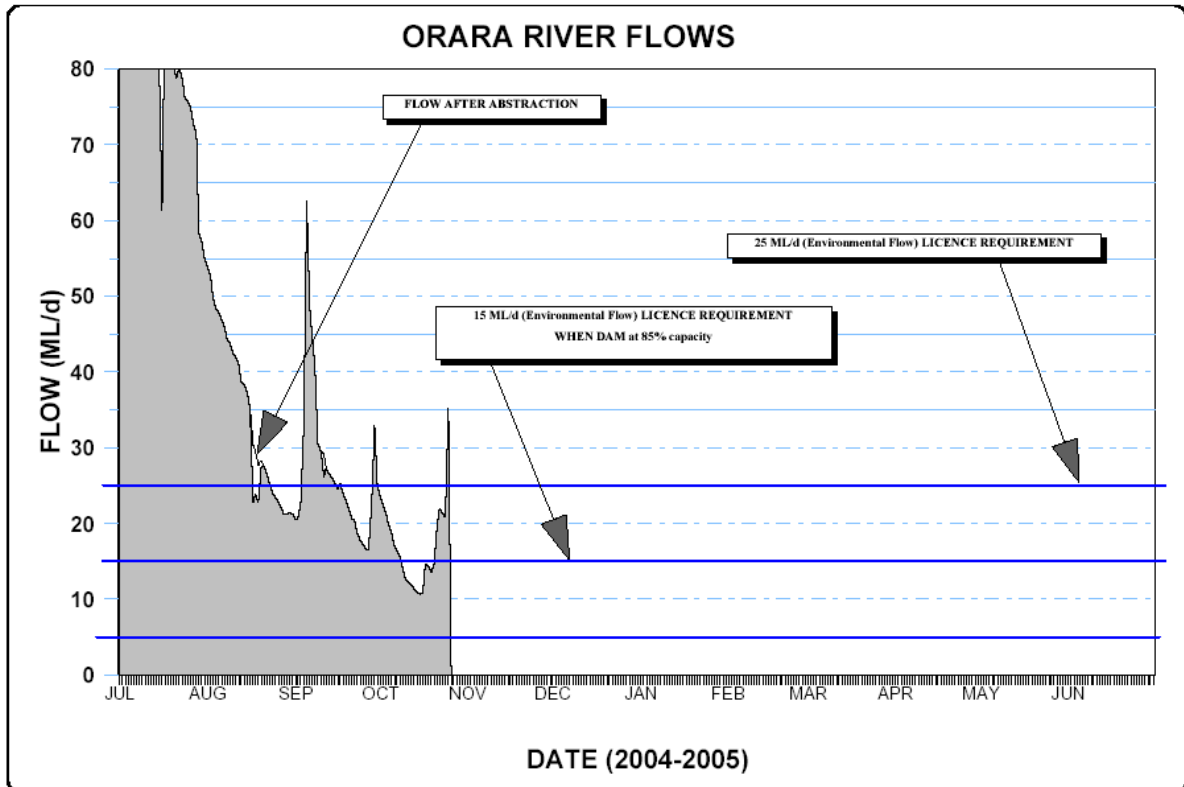
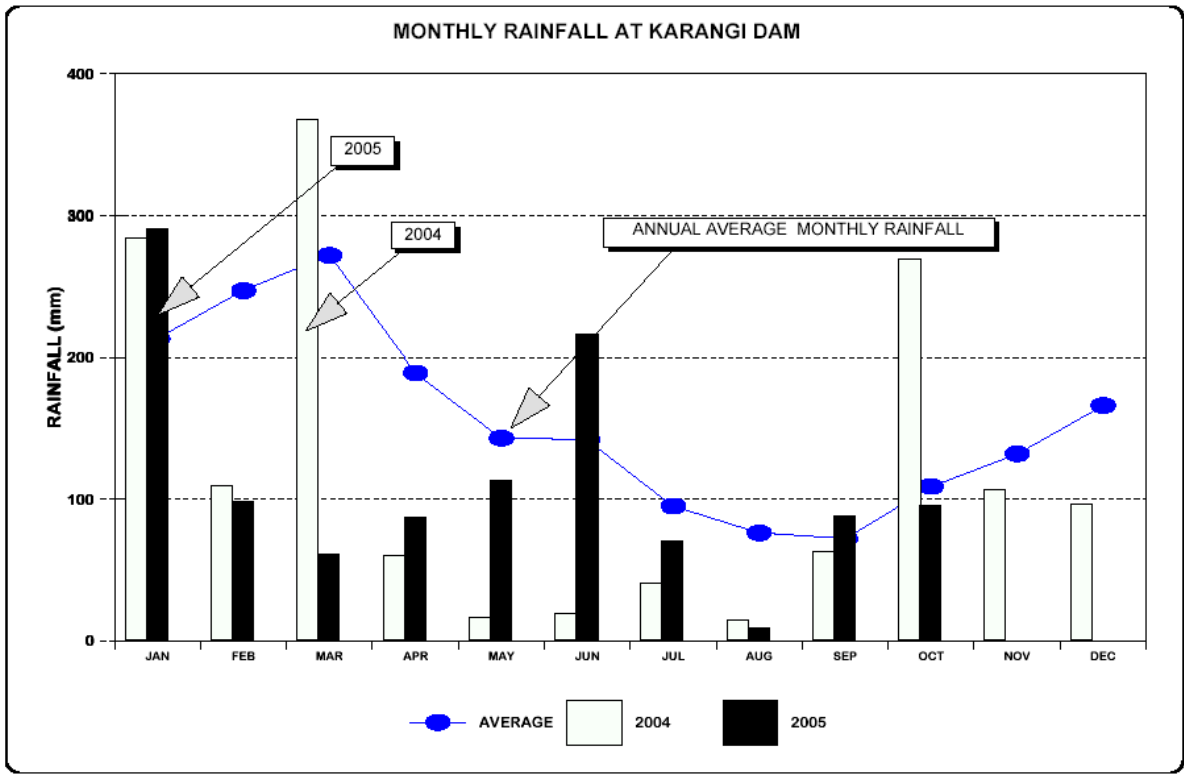
Recommendation:

- 1. That the report on Coffs Harbour Water maintenance and operation activities for the three month period July to September 2005 be noted.**
- 2. That the average daily consumption for the September quarter of 15.4 ML/day, total abstraction for the quarter from Cochranes Pool of 208.6 ML, total inflow to Karangi Dam from Regional Water Supply of 1101.7 ML, total consumption for the quarter of 960.5 ML and Karangi Dam storage level of 96.3% on 25 October 2005 be noted.**

Geoff Newton
Director of City Services (Acting)

Attachments:





RAINFALL AT KARANGI DAM

MONTH	AVG	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
JANUARY	213	161	385	164	62	237	174	147	57	18	284	290
FEBRUARY	247	413	157	206	160	255	78	413	266	394	110	98
MARCH	272	381	221	138	107	219	152	755	297	258	368	61
APRIL	189	64	102	25	166	319	145	155	71	108	60	87
MAY	143	183	786	154	28	161	136	103	39	203	16	113
JUNE	142	42	75	38	30	269	43	8	47	63	19	216
JULY	95	8	76	32	60	364	11	73	4	13	41	70
AUGUST	76	12	60	8	209	102	56	21	137	6	15	9
SEPTEMBER	72	34	30	52	131	89	13	32	6	3	63	88
OCTOBER	109	73	38	93	34	65	100	26	31	79	270	96
NOVEMBER	132	263	339	190	240	108	323	129	41	84	107	
DECEMBER	166	128	101	60	101	123	131	28	68	107	96	
TOTAL YEAR	1856	1760	2370	1159	1329	2312	1363	1849	1064	1337	1448	1128

