

North Coast WEED READ

No.2 JUNE 2004

Newsletter for the NSW North Coast Weeds Advisory Committee

We circulate each March, June, September and December. Please send relevant information to the Secretary in the month before publication.

Now, what's going on in weeds....

COURSES, WORKSHOPS, CONFERENCES

Clarence Valley Volunteers courses

Volunteer occupational health & safety Induction. Contact Dulcie or Kim 66426979

Introduction to propagation

27 June. Minnie Water. Contact Sandon to Woolli Community Nursery on 6643 5009 (bh), 6649 7993 (ah)

Rainforest propagation

29 June. EnviTE nursery, Byron Bay. Limited to 12 places, bookings essential. Phone Judy on 6684 5390.

Biodiversity Conservation Workshop

29 June. One day field trip / workshop. Focus: biodiversity conservation in Byron / Tweed, landuse planning, agriculture, floodplain issues etc. Register online at <http://www.greeningaustralia.org.au/GA/NSW/WhatsNew/NHTregionalworkshops.htm>

2004 Southern Qld Biodiversity Conference

30 June – 2 July. Regional planning, biodiversity science - latest research and innovations, urban Biodiversity - the new Urban Biodiversity Advisory Consortium. Rural Biodiversity - translating planning into action. University of Queensland, Gatton Campus. Information ph: 07 5460 1032 or email halls@uqg.uq.edu.au

Wommin Lake Field Day

3 July. Kingscliff. Greening Australia/TBCCC - plant i.d, weed i.d & control, threatened species etc. Phone Kate on 6672 5488

Conservation & Land Management – Cert. 3

Begins 26 July. One semester course. Prerequisite is Cert. 2 Conservation & Land Management, Cert. 2 Bush Regeneration, Cert. 4 Bush regeneration. Ph Murwillumbah TAFE on 6672 0600

Vegetation, survey & assessment course

11-12 Aug, Sydney. 18-19 Aug, Tocal. Cost \$120. Other courses available too. Ph Jodie Bartlett-Taylor 69381956.

Big Scrub Rainforest Day

5 Sept 2004. Rocky Creek Dam. Contact Johanna Kempff on (02) 6627 0120 or Bob Jarmin on (02) 66321473

Australian Weeds Conference 2004

6-9 Sept 2004. Charles Sturt Uni., Wagga Wagga. Info www.csu.edu.au/special/weedsconference

Brunswick Valley Mini Landcare Forum

Proposed 13 Nov. Shearwater School, Mullumbimby. Phone Judy on 6684 5390 for info & to be involved.

WEED NEWS WEED NEWS WEED NEWS

Northern Rivers Catchment Management Authority

5 new board members were announced in May to join Chairperson Judy Henderson. The board members (and where they live and some of their interests) are Jack Beetson (Rollands Plains. Adult education, runs the world's first aboriginal philosophy farm), David Donnelly (Glen Innes. Beef cattle farmer, former mayor & UNC CMB), Robert Quik (Tweed sugar cane farmer, sustainability) Julie Woodroffe (Bellingen. Ecologist, former Chair UNC CMB) and Sally Wright (Guyra. Sheep / beef farmer, sustainability, biodiversity).

Some of the roles of the CMA:

- Produce a Catchment Action Plan (CAP) and associated investment strategies that integrate / enhance Catchment Blueprints and regional vegetation management plans;
- Manage incentive programs to implement the CAP;
- Provide landholders with data / information to prepare Property Vegetation Plans;
- Allocate funds to support development of the Plans;
- Provide natural resource management education / training;
- Develop transparent procedures for handling any disputes relating to implementing the CAP.

Community support project

The CMA extended most Community Support Officers (e.g former "Landcare coordinators" and Indigenous Support Officers) contracts until June 2005.

Regional NRM Facilitators

The Regional Natural Resource Management (NRM) Facilitators are Lindy Brown (ph. 65620719, lindy.brown@dipnr.nsw.gov.au), Rus Glover (ph. 66530110, russell.glover@dipnr.nsw.gov.au) and Kerri Francis (ph. 66270114, kerri.francis@dipnr.nsw.gov.au). They are jointly funded through the Federal & State Govt. Their role: increase stakeholder engagement in NRM; communicate govt. policy & programs to community; provide feedback to govt. on NRM policy / issues, and; support community involvement in NRM.

Department of Primary Industries

NSW Agriculture, NSW Fisheries & NSW State Forests have been amalgamated. From 1st July they will become Department of Primary Industries.

New Dorrigo Landcare office

Bellingher Landcare have a new part time Project Officer and have opened a Dorrigo Office – at the Dorrigo Showground. PO Box 37 Dorrigo NSW 2453 ph (02) 66571 222 email: dorland@midcoast.com.au

2004 NHT Landcare Community Award

Entries close 18 June. One winner from each state & territory will be selected to be a finalist for the national award. The awards will, for the 1st time, include a Coastcare award. Information ph. 1800 151 105

More people on the web

The NCWAC Website has had the following visitation:

10/2/04 – Visits/day – 5, Average length – 32secs

13/5/04 – Visits/day – 15, Average length – 4min 38secs

Some upcoming funding

Envirofund. Closes 9 July 2004. Up to \$30,000 / project. Aimed at biodiversity conservation & sustainable resource use. Ph 1800 065 823 www.nht.gov.au/envirofund/

RESEARCH

Variable oil composition in Camphor

Brett Stubbs, Alison Specht & Don Brushett of Southern X University have been analysing the oil composition of the 2 different camphor laurel chemotypes found in the region (i.e the camphor-type and the cineole-type). They found that oil extracted from camphor laurel leaves are remarkably consistent from tree to tree for a particular chemotype, however, oil from other tree parts differs markedly in composition from leaf oil, and is also much less consistent in composition from tree to tree.

In the camphor-types for example, camphor averaged 66% in leaves and 51% in trunks (with the trunks also having increased cineole and safrole). For the cineole-types, 1,8-cineole averaged 50% in leaves and 32% in the trunk (which also had increased camphor – up to 16%). This research, soon to be published in “Journal of Essential Oil Research” has important ramifications for the economic use of camphor laurel – a vital component of the overall control of this serious weed.

Lantana montevidensis also weedy

Lantana montevidensis, or creeping lantana, is a popular ornamental plant in both private and public gardens on the north coast. This is despite research from 1999 that found it and other “sterile forms of Lantana” to have the same weedy characteristics and potential to impact upon ecosystems in the region as *Lantana camara*. Creeping Lantana is likely to prove a serious weed in the North Eastern 10% of New South Wales.

When kept in isolation creeping lantana has not been found to produce seed. When grown in the vicinity of seeding lantana it has been found to produce viable seed. The viability being as high as 70%. Substantial numbers of seeds can be produced as it flowers all year round. Creeping Lantana can reproduce vegetatively through leaves and stems breaking off - or where garden dumping occurs.



Photo source: Mark Harris, Florida

Increasing cross pollination will increase the number of genetic combinations possible making control of these plants difficult. *Lantana montevidensis* is included in NCWAC's Bushland Friendly Nursery Scheme. All north coast Councils have agreed not to plant any more and to gradually replace existing plantings.

Reference: Neal, Jody. (1999) *Assessing the sterility of ornamental lantana varieties. Are we exacerbating the weed problem?* Bachelor of Science (Honours). Department of Botany, University of Queensland.

W E E D L O O K O U T

Siam weed *Chromolaena odorata*



- Perennial shrub, or scrambling vine if supported.
- Grows 5m / year.
- Rapidly dominates.
- Favours both disturbed and undisturbed habitats; especially rainforest remnants, creek & riverbank vegetation. *Source: Qld NRME*
- From South America. A serious weed throughout tropical Asia, including Indonesia and Timor
- Produces 1000s of seeds annually that move with water, animals and vehicles. Seed viability 3+ yrs
- Found at Tully in 1960's. There are now several infestations in North Queensland.

It poses a serious threat to the North Coast Region. If you see this weed, report it to your Local Noxious Weeds Authority.

Source: Qld NRME



Tweed, Byron, Ballina, Lismore, Kyogle, Richmond Valley & (fmr.) Copmanhurst LGA Update

Alligator Weed

- Far North Coast Weeds (FNCW) regularly monitor sites. Byron cr. needs further surveying downstream. Additional funds from DPI Agriculture not received.

Bitou bush

- In May the Tweed Bitou Bush Taskforce (including Tweed Shire Council, FNCW, Tweed- Byron Aboriginal Lands Council, NPWS and Dept of Lands) coordinated aerial spraying of **212 ha** of coastline, including increased Indigenous lands from previous years. Revegetation and followup weed control is now in progress. Byron Shire may now be interested after seeing Tweed's success.
- Ballina Shire aerially treated **over 30ha** this year, a significant increase from last years' good work. Ballina Shire is also working on several *Asparagus* spp. infestations in the city area. It's good to see more on ground works for environmental weeds.

Bush regeneration

- The \$45000 CMA "Reducing threats to HCV riparian ecosystems" project aims to regenerate and control mainly vine weeds along **10 ha of riparian lands in 5 locations**. They are Hopping Dicks Creek (Limpinwood), North Pumpinbil Creek, Byrrill Creek in the Tweed valley, Upper Myall Creek (SF boundary) and upper Myrtle Creek (Busby's Flat) in the Bungawalbyn Creek subcatchment. Although at least 75% of funds will be for on-ground works, the contractor(s) will work with landholders, undertake community capacity building and training. More info, ph. John Nagle on 66270123.
- Follow up weed control was undertaken in a number of Parks and Reserves including Mt Warning, Brunswick Heads, Wooyung, Stott's Island, Iron Pot Creek at Toonumbar, Peacock Creek at Richmond Range, Moore Park, Mallanganee, Victoria Park, Andrew Johnston Big Scrub, Tucki Tucki, Boatharbour, Davis Scrub, Arakwal, and Cape Byron.
- New NPWS Weed Control Programs include **madeira vine** control at Mt Clunie National Park (NP), **lantana** Control at Brummies Lookout and Amaroo walking track in Wollumbin NP and **camphor laurel** control in Mooball & Mt Jerusalem NPs.
- Some bush regeneration programs have been implemented by NPWS to protect the threatened species **small leaf tamarind** (*Diploglottis campbelli*), giant fern (*Angiopteris evecta*) and **mitchell's rainforest snail**.
- Brunswick Valley Landcare is managing a CMA Interim Priority Project. The objectives include undertaking strategic and effective on-ground forest restoration works at sites with HCV vegetation, increase community / government capacity to plan and undertake successful forest restoration; undertake training programs, and; deliver technical and project management skills to landholders and community groups. By May, 9 landholders were involved at 6 HCV sites.
- The 7 successful Envirofund projects in the Tweed last round were:
 - Palmvale Community Landcare Group are doing riparian restoration at Christies Creek;
 - Tweed Byron Local Aboriginal Land Council are rehabilitating coastal vegetation at Fingal Peninsular;
 - The Tyagarah locality group of Brunswick Valley Landcare will undertake a Melaleuca wetland regeneration project;
 - Tumblegum Action group are expanding their riparian and wetland work at Upper Duroby Cr.;
 - Tyalgum District Community Association will undertake bank stabilization and riparian revegetation at Tyalgum village, and;
 - Phillip Wills will be restoring fish habitat in coastal wetlands.

Salvinia and Water Hyacinth

- Salvinia continues to reinfest sites known to previously contain the weed.
- The Blue Knob salvinia infestation is to be mechanically harvested as the whole site has been overgrown with *Ludwigia* spp. so the weevils have been inactivated. Removal of the raft will allow better access and possible eradication of *Salvinia*.

- Water Hyacinth is a massive problem this season with plenty of water and minimal competition due to many water bodies being previously dry. Continued efforts are required to encourage owners to manage / treat the weed before it gets out of hand.

Water Lettuce



Old infestations continue to persist. Vigilance next season will be required to monitor regrowth. Bora Cr. has a substantial infestation that has taken over the Salvinia. **Parrots Feather** (*Myriophyllum aquaticum*) has also dominated this stream system. It is worthy of declaration, as it seems to be equally as dominant as Water Lettuce.

Photo: Parrots Feather. Source: Bridget Simon, Washington State Dept. Ecology

Groundsel

- Aerial inspections of the area located several substantial sized infestations. These were plotted with a GPS. Locations will be entered into the new system to enhance the follow-up process and ensure treatment is carried out.
- Some of the sites were within State owned lands. This is to be followed up as a priority as they form a major seed source for adjoining landholders.
- A number of NPWS programs have been undertaken including a newly identified infestation ~ 2ha in size in Richmond Range National Park.

Camphor Laurel

- This weed continues to cause much debate in the region. FNCW reported that current research at Southern Cross University is producing some interesting results on its allelopathic qualities. The plant is strongly allelopathic to some plants, especially lower plants, while it may promote the germination of other species, especially Sapindaceae family (e.g balloon vine). Further research is to be conducted on toxicity issues, especially related to the formation of monocultures or dominant stands of the plant such as adjacent to watercourses. Research both here and overseas would indicate that any species in monoculture situations or dominance has an adverse effect on speciation.



Giant Rats Tail Grass

- Despite adopting Management Plans, few landholders did suitable works to satisfy them. Appropriate action will be taken on issue of a new SEINS book.

Giant rats tail grass, Source: Qld NRME

Broad Leaf Pepper Tree

- FNCW has met several times with South East Queensland Pest Management Group to establish effective buffers around NSW to stop re-infestation of weeds such as Broad Leaf Pepper Tree.
- State Forests have been controlling broad leaf pepper tree at Crichton's, west of Casino.

Lantana

- The Bell Miner Associated Dieback Working Group (NPWS, State Forests, DIPNR, Southern X University, local landholders) have been undertaking helicopter based mapping and producing a strategy, to be launched later in 2004. A remote sensing project with digital analysis to hopefully highlight dieback and degrees of impact is to start July 2004. Small scale trials related to Bell Miners and lantana are currently being undertaken.
- Lantana rust has been released by State Forests at three sites west of Casino (Ewingar and Richmond Range).
- Lantana was controlled in Border Ranges NP as part of implementing the threatened species recovery plan for Eastern Bristlebird. Lantana and other environmental weeds were controlled in Mallanganee NP to protect the small tree Ripple-leaf muttonwood (*Rapanea* sp. A Richmond River).

Crofton Weed

- Crofton weed has been controlled along Crooked Creek and Bower Bird Road in Girard State Forest, west of Kyogle.

Star Burr

- Star burr has been controlled along the boundaries of State Forests' Eden Creek plantation, about 10km south west of Kyogle.

Blackberry

- Blackberry Control was undertaken in Koreelah National Park.

Cockspur Coral tree. Source: Coastcare

Cockspur Coral Tree (*Erythrina crista-galli*)

- \$43K has been allocated by DIPNR for control works along the Richmond River. Lismore City Council is spending \$6K currently on its waste facility to control the weed and another proposal is pending to spend \$12K on a major roadside infestation.



Promotion

- FNCW has secured a column in the local Farmer bulletin once / month. There is opportunity to also get some further regular exposure in local press.

Inspection program

- At FNCW May meeting a proposal for a new computer software system was ratified and this will be operational by the end of the financial year. The system will set up all 6 inspectors with Toughbook computers running WeedMap as well as provide them with personal computer tools they have not previously been equipped with.
- This system will dramatically streamline councils operation as well as provide better information regarding weed distributions and whether this is being reduced over the region.

New Inspectors

- FNCW has advertised for two inspectors. Interviews were conducted on 25th of May. There were several promising candidates that would be a real asset to FNCW operational activities. It is hoped to have the WeedMap system operational when they start to help the training and data capture process.

Pest Management Plans

- A number of pest plans have been finalised by NPWS. They are: Richmond Range Hogarths Range and Toonumbar, Mooball, Inner Pocket, Mt Jerusalem, Mt Warning, Arakwal and Cape Byron.

Clarence Update

- Are you qualified / experienced in: bush regeneration, tree planting, botanical surveys, natural resource management plans, property management planning, community training or native seed collecting? Clarence Landcare Inc. requests expressions of interest for future projects. Ph 66435009.
- 434ha of **bitou bush** was aerially sprayed between Shark Bay and Snapper Rock, Bundjalung NP, and 104ha from Lake Arragan to Shelley Headland, Yuraygir NP in late may/early June by NPWS.
- On ground **bitou bush** control is being undertaken in Yuraygir NP (Station Creek Dunes, Sandon to Minnie Water) and Bundjalung NP (Shark Bay, Woody Head and Iluka area).
- Woolli Vacant Crown Land **bitou bush** Threat Abatement Plan work was undertaken in April by CVWA, local Dunecare & Landcare groups with assistance from Pristine Waters Council (PWC), NPWS, NSW Agriculture & Dept of Lands (DOL).
- **Lantana** and **Bitou** WONS biological control workshop held at Woody Head by NPWS for Pest Management Officers and Noxious Weeds Officers. 2 release sites for *Prospodium* rust done in the area, plus support to *Tortrix* site at Woolli.
- In Susan Island NR and Iluka NR NPWS **rainforest regeneration** work has continued. Bush regeneration contractors have been working in Clarence Estuary NR, Yamba and Yaegl NR, Maclean.
- The UNC CMB Clarence **Glory Lily** project was implemented by Land & Marine Management Strategies for NCWAC. With assistance from NPWS, all known glory lily infestations were controlled between Wilsons Headland, Diggers Camp north to Iluka peninsula.
- The UNC CMB Woolli **Broad Leaf Pepper Tree** project (\$1000) was implemented by Clarence Valley Weeds Authority (CVWA) – see photo below. They controlled 12 large trees and 24 shrubs in backyards with co-operation from landholders & Pristine Waters Council. The Solitary Islands Resort Village controlled a further 8 trees & 4 shrubs at their cost.
- At Redcliff, Yuraygir NP the **ochona** control program continues.
- In Barcoongerie SF, **groundsel bush** has been controlled along roadsides.
- In Whiporie SF, pre-planting spraying of **groundsel bush** has been occurring.
- At Inglebar, west of Grafton, **groundsel bush** & camphor laurel were controlled.
- A first for CVWA – a signed Property Management Plan for **Groundsel bush** under the General Noxious Weed Policy for CVWA – more to follow
- Good support given by landholders to CVWA's **Camphor laurel** policy written, to assist Weed Inspectors enforce the Act appropriately.



CVWA Inspectorial

- Use of hand held computers and database developed for former Maclean Shire and Pristine Waters Council's area assisting mapping ability and decreasing time in office doing paperwork – increased efficiencies by 25%
- Property Inspection procedures (as part of General Noxious Weed policy) agreed by CVWA Management Committee and in use at present
- Approx. 2000 inspections to date – on target for 2500 for the year

Maclean

- Inspections – continue on Palmers Island and Taloubi areas, and re-inspections – Lawrence, targeting **Camphor laurel** and **Groundsel bush**

Grafton

- Inspections – South Grafton, and re-inspections – North Grafton, targeting **Green Cestrum**

Pristine Waters

- Inspections – section 18 notice inspections for Tallawudjah & Corindi areas, with some legal proceedings carried out as required.
- New inspections in Seelands and Ramornie.

CVWA Operational

- General roadside control work on **Groundsel bush**, **Johnson grass**, **Red Flowered Lantana** and **Camphor laurel**
- VCL – Clarence River islands controlled for **Groundsel bush** with adjoining crown land to be targeted
- Contract work for State Forests on **Groundsel bush** in priority areas
- Contract work for NPWS on **Groundsel bush** and Bitou bush following up on previous work done

Coming up

- **Bitou** Threat Abatement Plan project – Woolli
- Crown lands and reserves work – various locations
- Complete control of general roadsides – **Groundsel Bush**, **Red Flowered Lantana** & **Camphor Laurel**

- **Angourie** Community Dunecare & Green Point Coastal Care Group are hosting a walk and information morning on Angourie Reserve. Sunday 4 July, 9.30am-12. RSVP to Julie Mousley 6643 5009.

Coffs Harbour City Update

- Council & NPWS worked together with Precision Helicopters to aerially spray **bitou bush** in the Shire. NPWS sprayed 50ha of bitou bush in Moonee Beach Nature Reserve. Council sprayed 34ha. It's been great working with Ruth Armstrong and we're sorry she is going.
- The UNC CMB Coffs Harbour **Glory Lily** project was implemented by Coffs Harbour Bushland Regeneration Group for NCWAC. The sites controlled were Hearn's Lake to Willis Creek at Woolgoolga Back Beach, the Coffs Jetty area from 50m north of the south wall to 300m south along Boambee Beach, and in Scrub Creek Littoral Rainforest within Bongil Bongil NP. Additional treatments are being carried out through Coffs Harbour City Council Environmental Levy & NPWS funding.
- Over the past 3 months Council has been carrying out work on roadside noxious weeds, particularly **Red Lantana** west of Red Hill. This area has been a priority as there has been significantly more on the road reserve than on adjoining private land. Grazon D.S. has been the major chemical used, having the additional benefit of also controlling **Camphor Laurels**. Funds for camphor are provided under Council's Environmental Levy. **Red Lantana** has also been controlled on reserves in the Sawtell area.
- Along the Pacific Hwy north of the City **pink/red flowered Lantana**, **Groundsel Bush** & **Crofton Weed** were controlled.
- **Thatch Grass** *Hyparrhenna rufa* subsp. *altissima* has appeared along the Highway south of Emerald Beach. It appears to be a grass of some weed potential. Council's Chief Weeds Officer Barry Powells is quite concerned about its vigorous growth habit and will aim to control it in the future.
- **Fireweed** is making its presence felt in a big way. Over 30 Section 18 Notices have been issued. To date over 200 Ha have been sprayed by Council on private lands without the need for notices. Landowners in this area obviously see the need for Fireweed control.

Bellingen Shire Update

Successes / Problems / Highlights

- Council resolved to apply for declaration of Camphor Laurel (W4d) and Cats Claw Creeper (W2) across the shire.
- Contractors have spent two days undertaking Black Willow Control on the Bellingen River. Number of sites has decreased over the past two years.
- Upper Bellingen Vine Weeds Project: 17 days work by Annika Faber and Bush Repair has made steady progress on madeira vine, moth vine and balloon vine along several kilometres of river. A successful Field Day at Thora in April, attended by around 40 people, included a number of speakers, demonstrations, on-ground work and a local reggae band.
- All but two Celtis trees (*pictured right*. Source: T. Scanlon) have been removed from backyards by contractors.
- Bellingen Landcare held a weed control workshop in June with EnviTE trainer Carl Freeman. It looked at OH&S issues and chemical control methods for privet, camphor and vine weeds.
- Three glory lily infestations were controlled in Littoral Rainforest adjoining Urunga Lagoon by Earthy Landscapes for NCWAC with funds from Upper North Coast CMB (now part of CMA).



Future plans

- Continued coordinated approach to **Bitou bush** Management with Landcare & Dept Lands this season.
- Further releases of *Prosopium tuberculatum* for pink **Lantana**.

Nambucca Shire Update

- Inspections for **groundsel bush** continue to be undertaken by Nambucca Shire Council.
- Young workers employed through Ngurralla Aboriginal Corporation by Nambucca Shire Council have planted **2000 trees** on Nambucca Heads beach as part of **bitou bush** control.
- The same group are also working 3 days per week on **Madeira vine** control in the upper catchment with Nambucca Shire Council and the Green Team (Terrence Hudson) (through Mid North Coast CMB funding).
- Rail Corporation NSW is working on **groundsel bush** throughout the Shire.
- 55ha of **bitou bush** from Nambucca to Scotts Head was controlled by a contractor (on quad bike) working for Council.
- **Red lantana** and **camphor laurel** are being controlled by Coffs Harbour City Council contractors.
- Former Coffs Harbour City Council Chief Noxious Weeds Officer Ken Hayes will be coming out of retirement to undertake a month of property inspections in the Nambucca LGA.
- Nambucca Valley Landcare (NVL) just finished a devolved grant scheme funded through Envirofund 2003. 14 of the 22 actively controlled weeds – mostly **camphor** and **privet**
- NVL has a **devolved grant** from the CMA that includes \$24,000 for weeds. There are 5 grants that focus on weeds, mostly **camphor laurels**, while a further 14 have a weed component. The two camphor laurel trials were: remove all camphors with a dozer, spray regrowth and plant in spring if it ever rains. The other site stem injection, leaving the trees standing and planting into the understorey.
- NVL has an Envirofund project. Aim: protect a **lowland subtropical rainforest** remnant at Missabotti incl. **privet** control.

- The South Arm community has started a **castor oil** plant control program starting at the top of the catchment and working down. The plant was introduced to the area as a crop about 15 years ago.
- The Nambucca Shire has a number of **bamboo** forests that are starting to cause concern. Some substantial areas are infested and there is little awareness or resources available for control.
- The number of **salvinia** infestations in the Shire has increased due to the drought.
- A work for the dole team are working at 2 sites undertaking control of **bitou bush**, **mother of millions** and **glory lily** on Main Beach, and **privet** in a Bowra remnant. Scotts Head Trust and Dune Care have done a fantastic job.
- Landowners in the Lower North Arm are reluctant to control **willows** reasoning they are stabilizing the banks.

The information contained in this Newsletter is based on knowledge and understanding at the time of writing (24 June 2004). However, because of advances in knowledge, users are reminded of the need to ensure that information upon which they rely is up to date and to check currency of the information with the appropriate officer from the NCWAC or appropriate member organization or the user's independent adviser.

When using herbicides always read and follow the label and ensure that the herbicide is registered or there is an appropriate permit for the intended use.