	<u>Hunter Bird Obser</u>		
Issue 5/08	October-November 2008		
Newsletter articles welcome – contact Newsletter Editor Peter Phillips. 34 McIntyre St, Cardiff 2285 Tel: (02) 4956 9090 Fax (02) 4954 7118 juniper@hunterlink.net.au	```````````````````````````````````````	Hunter Bird Observers Club Inc. with the Bird Observers Club of Australia) ox 24, New Lambton, NSW 2305 Telephone: (02) 4958 5942 Website www.hboc.org.au	
Committee	The aims of the club are:		
President: Grant Brosie Vice-president: Paul Baird Secretary: Tom Clarke Treasurer: Rowley Smith	birds and their habitat	r the study and conservation of Australian wing as a leisure-time activity <b>5 FOR 2008</b>	
<b>Committee Members:</b>	<b>D</b> 11/1		
Ann Lindsey Liz Crawford Robert MacDonald Craig Anderson Jack Adams Colin Goodenough Conservation Coordinator Ann Lindsey Activities Officer Lorna Mee Life Members Wilma Barden Sue Hamonet Ed Hamonet (dec) Alan Stuart	Valentine, Colleen Miller & Gra Mills of Rankin Park. We hope Club Outings and Camps. Membership Fees for 2008 \$30.00 Single and Family. \$5.00 New members may pay at Club payable to HBOC to PO Box 24	Night or send cheque or money order New Lambton 2305 ned at Club Night or by downloading	

# HUNTER BOTANICAL GARDENS

from Max Blanch

8.00am found the midweekers gathered in the car park in the Gardens on a clear cold morning. We took the wildflower walk, an interesting circuit of 2.1km. This brought us back to the car park for morning tea which we enjoyed on the lawn - a very pleasant spot.

We then decided to attempt the Wetlands Boardwalk. Once we had crossed the Southern Wetlands by way of the boardwalk a profusion of birds were found in the more open area. We made our way for some distance till we came to a track on the left of which Garth (who is intrepid) thought should take us back to the boardwalk. And so it did, eventually. We now know this part of the Gardens very well.

Of the 39 species identified the Rose Robin was the most memorable, also White-naped and Brownheaded Honeyeaters. Brown Gerygone with a nest was special. Silvereyes were abundant as were Grey Fantails. Some of us lunched at the Café on lasagne and quiche - and very appetising too.

The Gardens volunteers are very concerned about the RTA F3-Pacific Highway Upgrade which includes an exit ramp across the front of the Gardens. The proposed exit ramp is the cheapest option of those available but with a significant negative impact on the approaches to the Gardens,

# **Club News**

HBOC Records Appraisal Committee has had a transfusion of fresh blood. The current committee is Sue Hamonet (coordinator), Ann Lindsey, Mike Newman, Phil Hansboro, Fred Van Gessel, Mick Roderick & Craig Anderson

Alan Stuart is looking for volunteers for Hunter Catchment Day on Sunday 19<sup>th</sup> October Phone 4952 8569

# MIDWEEKERS ANNUAL AWAY JAUNT 14-17 September 2008

# LAKE GLENBAWN

from Max Blanch

Lake Glenbawn State Park, at the head of the Hunter River, is enormous. It largely caters for fisherfolk. The fishing must be very good to match the birdwatching. The area around the reception centre and the creek below it yielded a profusion with large flocks of Double–barred finch, Red-browed firetail, Rainbow Bee-eater, Satin Bowerbird and lots of other species.

Our base was four kilometres away on the Eastern Foreshore. Here, with breathtaking views over the lake we found an abundance of bird life, kangaroos and wallabies. Among many species King Parrot, Red-rumped Parrot, Brown Quail, Yellow-rumped Thornbill, White-winged Chough and on the dam, Grey Teal, Australasian Grebe, Great-crested Grebe. Little black Cormorants were in large numbers.

Tuesday was spent at Towarri National Park. On arrival at Washpool Picnic area we were greeted by a wonderful chorus of bird-calls, presided over by a sleek Black Duck looking out from the verandah of her tree-hollow nest. On the grass was a carpet of native milkmaids (Burchardia umbellate) . Among many species noted were Wedge-tailed Eagle, Crimson Rosella, White-throated Treecreeper, Weebill, White-browed Scrubwren, and Dusky Woodswallows in numbers.

Final Counts.

Lake Glenbawn 86 species. Towarri NP 56, Broad Crossing (Aberdeen) 29, and before lunch at Lake Liddell (on Wed.) 27.

There was much nest-building

# **Tidal Gates opened at last**

### from Ann Lindsey

The 24 September 2008 was a day of celebration when Neville McNaughton and I, on behalf of HBOC, attended the opening of electronically operated Smart Gates on the levee bank at the Tomago wetlands site in Kooragang National Park. We were invited to attend by Peggy Svoboda of the Kooragang Wetland Rehabilitation Project (KWRP) and Kate Harrison of National Parks. Will Glamore from Water Research Laboratory performed the deed to our loud and hearty cheers.

According to Fred van Gessel the Tomago Wetlands once provided a night time roost for migratory waders in the 1970s and they may have also provided some feeding habitat at high tide when other areas were inundated.

The installation of floodgates in the levee bank between parts of the Hunter River and Fullerton Coves during the 1970s caused major changes in the character of these wetlands when the natural ebb and flow of salt water from the Hunter River ceased. The ensuing destruction of the saltmarsh caused the birds to vanish.

During the intervening years with the continued loss of saltmarsh in the Hunter Estuary and the decline in wader numbers, authorities recognized the importance of this area. The reinstatement of tidal flows to Tomago Wetlands was part of KWRP from 1994.

After much planning, monitoring, discussion and negotiation, approval for the work and initial funding was obtained by National Parks. Funding for the installation of Smart Gates was provided by the Hunter-Central Rivers CMA.. Suffice it to say that, for everyone involved, it has been a long, hard road to this historic day. It is important to understand that this project is experimental and that there are no guarantees as to the outcomes. However, the first steps have been taken and previous experience indicates that the saltmarsh will reestablish. Whether the birds will come is another matter entirely. There is however some hope as, in September 2007, after an experimental inundation of saltwater a few Sharptailed Sandpipers were seen, but only in flight, not on the ground.

HBOC has been monitoring the site since March 2007. The monthly surveys of Tomago Wetlands co-ordinated by Neville McNaughton are crucial in providing information on the effectiveness of the current activity and in helping to formulate recommendations for on-going management of the site.

HBOC acknowledges with thanks the work of the Hunter-Central Rivers Catchment Management Authority, in particular the Kooragang Wetland Rehabilitation Project, National Parks and Wildlife Service and the NSW Government.

### References

P. Straw, Hunter River Estuary Wader Habitat Investigation Report to NSW National Parks and Wildlife Service August, 1999

NB: Other references relating to Tomago Wetlands held at the KWRP library in the Schoolmasters House, Ash Island.

## Hunter region - shorebird Mecca

## from Alan Stuart

Arising from the Shorebirds 2020 project are data for all the major shorebird areas in Australia that have been at least occasionally monitored. The project team has used the data to generate "Top 30" sites for every shorebird species that regularly visits Australia. Although there is usually a very large range for the counts between the Number 1 and the 30<sup>th</sup> ranked sites for each species, all 30 sites for each species clearly are very important for its survival in Australia.

To arrive at their numbers, the Shorebirds 2020 team has taken the average of the peak summer counts for each species (peak winter counts in the case of Double-banded Plovers) from where records are available and used those averaged counts to produce their Top 30 sites per species. There's a slight flaw with this approach, in that historical counts of large numbers of birds at a particular site can have a significant effect on the average. This could lead to an inadequate appreciation of a site that has only become important for a species in relatively recent times.

That said, it's fascinating data that they have produced, and there is an important local perspective for us. Of the main shorebird areas within the Hunter Region, three of them feature prominently. The Hunter estuary, not surprisingly, is the most significant local site, and it has been identified as a Top 30 site for 17 species (listed below). Port Stephens is a Top 30 site for seven species (see below), while Manning River was nominated as a Top 30 site for one species (Pacific Golden Plover).

Until 2008 there seem to have been relatively few shorebird records for the Manning River. Also, HBOC members only started monitoring shorebirds at Swansea in 2008 and it will be interesting to see if this site emerges as a Top 30 location for any shorebirds. The Great Lakes/Forster/Tuncurry area would be expected to have at least some shorebirds present but unfortunately, for the moment, nobody seems to be doing any surveying of this area. It would be great if one of you were to volunteer! The Hunter estuary is identified as a Top 30 species for: Bar-tailed Godwit, Black-fronted Dotterel, Black-tailed Godwit, Black-winged Stilt, Common Greenshank, Curlew Sandpiper, Eastern Curlew, Great Knot, Grey-tailed Tattler, Latham's Snipe, Lesser Sand Plover, Marsh Sandpiper, Pacific Golden Plover, Red Knot, Red-necked Avocet, Terek Sandpiper and Whimbrel.

Port Stephens is listed as a Top 30 site for Bar-tailed Godwit, Eastern Curlew, Grey-tailed Tattler, Lesser Sand Plover, Pacific Golden Plover, Pied Oystercatcher and Whimbrel.

Some of the nominations are based on high counts dating back quite some while. For example, in recent years the Hunter estuary probably is no longer significant for Lesser Sand Plover but perhaps now might be a Top 30 site for Red-necked Stint and Sharp-tailed Sandpiper. Port Stephens historically apparently was significant for Lesser Sand Plover but, again, perhaps not nowadays. Manning River, from the 2008 data recorded to date, may also turn out to be significant for Doublebanded Plover and Eastern Curlew, and perhaps also Pied Oystercatcher and Sanderling. Only ongoing monitoring will answer this.

The bottom line seems to be that shorebird sites within the Hunter Region are nationally significant. Probably we already knew that but it is pleasing to have it confirmed. And can we protect the Hunter estuary sites from "development"? - only time will tell.

> 7<sup>th</sup> Australasian Shorebird Conference Hobart, 4-6 September 2009

These conferences are held every two years and provide an opportunity for everyone interested in all aspects of shorebird research, conservation and management to exchange information, discuss relevant issues and develop strategies for improving the status of these remarkable birds.

Conference Convenor is Dr Eric Woehler. If you want to be included in all further email announcements, Conference information and postconference trip detail etc please send an email to awsg2009@gmail.com

# Sustainable Living at Home Workshops

Newcastle City Council has introduced a number of FREE workshops with the aim of helping residents reduce their impact on the environment and live a more sustainable lifestyle.

<u>GAIA -Open House</u> Saturday 18 October and Saturday 15 November 2-4pm. Maryland

Gaia, home of the Dominican Nuns features: Passive Solar Design, Grey Water Reuse System, Water Tanks ,Chooks , Permaculture Gardens and Solar Photo Voltaic Panels No Bookings necessary

#### Chooks in the Suburbs

Saturday 25 October 10am-12 Noon Kotara An introduction on how to house, feed and manage a small flock. <u>Numbers limited. Booking Essential</u>

### Bush Foods

Wednesday 5 November 10am –12Noon Kotara Learn how to grow, harvest and prepare your own Bush Foods <u>Numbers limited: Booking essential</u>

Bookings Ph 4974 2848 or email fbeilby@ncc.nsw.gov.au

### HUNTER WETLANDS CENTRE

### Coming Events School Holiday Program

- Wetlands Turtles (4-7 year olds) 9am-12.30pm. October 3rd, 7<sup>th</sup> & 10<sup>th</sup>
- Wetland Rangers (Children 7-12 years) 9am-12.30pm. October 1<sup>st</sup> & 8<sup>th</sup>
- **Canoeing Adventures** (12-16 years) 9am-12.30pm. October 2<sup>nd</sup> & 9<sup>th</sup>

These and other Events require advance bookings and may involve a fee. For more information phone 4951 6466

### Birds Australia TWITCHATHON Saturday /Sunday October 25-26. 4pm-4pm

It's not too late to form a team – contact Allan Morris for entry forms and rules: Phone 02 9647 1033 Mobile 0418 269 482 Email: <u>basna@birdsaustralia.com.au</u> or Mike Roderick on 0412 761 237

It is time to consider **your** sponsorship.

This year proceeds will be divided between

- HBOC's Mangrove Removal Project at Milhams Pond Ash Island and
- Gosford LGA's Friends of the Bush Stonecurlew Project on the Central Coast

Follow the five easy steps:

(1) Pick your team – there is a wide range of local groups – The Brewers, the Thickheads, the Drongos and the Monarchs to name a few plus in the champagne race Lesticum Phoraedae and others.

(2)Decide how much to contribute – so much per bird or a set amount- and tell your team to motivate them- they are shy retiring types who may not go out unless you encourage them.

(3) Watch the film of the 2002 Twitchathon on ABC TV on  $23^{rd}$  October -in which all the usual suspects reveal their true character. Observe Mr Curmudgeon and the Twitchy Brothers

(4) Attend the finish at The Wetlands Centre 4pm Sunday 26<sup>th</sup> October, have a (BYO) BBQ – the results and the insults among the brags, the snags, the whines and the wines.

(5) (best of all) include your receipt with your annual tax – thereby forcing the Australian Taxation Office to subsidise two good causes.

There are team prizes for various categories including a new one given to the team that sees the most birds in the shortest distance travelled. Encourage your team to record their start and finish odometer readings.

# **BIRD NUMBERS**

from the Sydney Morning Herald – written by Jennie Curtin

World bird numbers are in serious decline, with some populations battered by climate change, said an international report released this week.

The Report *State of the World's Birds* found many common species are under threat, often by human activities including logging, agriculture and fishing. The replacement of natural, biodiverse forests with single species plantations has also contributed to declines.

The study was done by BirdLife International, an alliance of conservation organisations working in more that 100 countries and territories. It investigated the status of birds, why they are declining and what can be done to improve conditions for them.

In Australia, one of the most significant findings was that shorebirds in eastern states have reduced in number by 79% over the past 25 years.

Climate change is playing havoc with many Australian Bird Populations, affecting distribution patterns and abundance. Migratory birds are arriving earlier and departing later. Seabirds in tropical areas such as along the Great Barrier Reef , have declined because of rising sea temperatures and increasing El Nino weather events,

Species restricted to high elevations, such as the tooth-billed bowerbird in the high altitude rainforest of the Atherton ranges of north-east Queensland are especially susceptible. Those on low-lying coastal sites such as the endangered orange-bellied parrot, will be threatened by rising sea levels.

The report is at <u>www.biodiversityinfo.org/sowb</u>.

## SMOKING BIRDS (from The Times 2/6/07) (A tale to be taken with a pinch of snuff?-ED)

Birds are picking up discarded cigarette butts at a railway station and using the smoke to fumigate their wings of parasites, experts said

The rooks have been seen swooping on to the platform and tracks at Exeter St David's in Devon to collect fag ends. Commuters have watched as the birds place their wings over the smoke – collecting the fumes underneath.

The Royal Society for the Protection of Birds said that the animals are using the smoke to fumigate themselves and clear their wings of insects.

Jeff Jones a commuter from Budleigh Salterton, saw the birds collecting the cigarette ends on Tuesday. He said "I noticed the rooks because they are not usually found in towns. They were generally flapping about when a chap flicked a cigarette on to the track. One of the Rooks swooped down and picked up the butt. It then flew around and landed on the platform with this smoking cigarette in its beak. It looked quite comical"

But then it dropped the butt on the platform and pulled its wings over it collecting the smoke.

Richards Archer, of the RSPB in Exeter, said it was the first time he had heard of the phenomenon. But he added that the birds may have adapted and learned that the cigarettes can be used to kill parasites.

"Rooks are very intelligent birds. There was a time, perhaps 20 years ago, when you never saw one in towns and cities. But like carrion crows and magpies they may be adapting to urban life.

## **OBSERVATIONS FROM CLUB NIGHT AUG/SEP 2008**

2008		1		
May 31	Australasian Gannet	154		
Jun 28	Plumed Whistling Duck	651	Doughboy Hollow	G.Newling
Jul 28 Jul 13	Grey Goshawk	1	Stockton Sandspit	T.Clarke
Jul 13 Jul 23	Buff-banded Rail	1	Salamander Bay [Mambo Wetland	"
Jul 23 Jul 13	Black-tailed Godwit	5	Stockton Sandspit	"
Jul 13 Jul 27		1	"	"
Jul 27	Eastern Osprey	1	<u></u>	"
L-1 02	Sharp-tailed Sandpiper	-	Mausha Wetland	"
Jul 23	Pheasant Coucal	1	Mambo Wetland	
Aug 10	Common Bronzwing	1	Blackbutt Reserve	P.Lightfoot
	Sacred Kingfisher	1	"	"
	Rose Robin	1		"
1.1.20	Pacific Baza	1		
Jul 30	Powerful Owl	2	Floraville	T.Clarke
Aug 7	Grey Goshawk	1	Munibung Hill	
Aug 8	Brown Cuckoo-dove	7	Windeyers Creek	
Aug 11	Whiskered Tern	1	Grahamstown Lake [Finnan Park	"
Aug 3	Pied Currawong	105+	Burreen	H.Tarrant
Aug 6	Peregrine Falcon	2	Maitland	"
Aug 11		2	Bolwarra	۰۰ ۰۰
Aug 13	Spotted Harrier	1	N'cle Wetland Reserve	
Aug 10	Yellow-tailed Black Cockatoo	7	Warners Bay	R.Walker
	Yellow-tailed Black Cockatoo	2	Speers Point	"
	Aust. King Parrot	2	"	"
Aug 12	White-necked Heron	4	Parkville [dam]	G.Newling
	~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~	1	Aberdeen [dam]	"
Jun 21	Collared Sparrowhawk	1	Mt. Arthur mine site	"
Jul	Eastern Osprey	Pr	Dora Creek to Morisset	A.Richardson
Aug 12	Green Catbird	1	Clarencetown	L.Storm
Aug 27	Royal Spoonbill	53	Lenaghan's Swamp	J.Thomas
Aug 24	Flame Robin	4	Wingen [garden'	G.Newling
	Blue-faced Honeyeater	3	<u>.</u> .	"
	Golden Whistler	1	"	"
Aug 22	Red-whiskered Bulbul	1	Barnsley [garden]	B.Burke
Aug 21&26	Grey Goshawk	1	T.W.C.	F.Van Gessel
Aug 21	Spangled Drongo	1	"	"
	Torresian Crow	1	"	"
Aug 26	Rose Robin	1	"	"
	Tawny Grassbird	6m	"	"
Aug 27	Pacific Baza	1	Shortland [Mort St garden]	"
Aug 19	Red-necked Avocet	3,000+	Stockton Sandspit	"
Aug 27	Red-necked Avocet	1,800+	"	"
Aug 19	Eastern Osprey	1	"	"
	Sooty Oystercatcher	6	"	"
Aug 1	Restless Flycatcher	Pr	Ash Island	P.Lightfoot
Jul 20	Eastern Osprey	1	Eraring	C.Goodenough
Jul 21	Little Corella	117	Dora Creek	"
	Rainbow Lorikeet	2+2dy	"	"
Jul 23	Australian Pelican	34	"	"
Jul 7	Yellow-nosed Albatross	37	Off Nobby's	M. Roderick
Jul 13	Hardhead	>1600	John Browns Lagoon	"
	Chestnut-rumped Heathwren	1	George Booth Drive	"
Jul 29	Black-browed Albatross	>50	Off Nobbys	"
- ui <u>-</u> /	Yellow-nosed Albatross	8	"	"
Aug 16	Musk Duck	1f+1dy	Kooragang Island	"
Aug 10 Aug 17	Black-chinned Honeyeater	8	Tomalpin	"
mug 17	Diack-chilling Holic yearer	0	romaipin	

Aug 22	Wedge-tailed Shearwater	20	Off Nobbys	"
Aug 24	Fluttering Shearwater	~10,000	Off Nobbys	"
Aug 30	Eastern Koel	10,000	Lambton	"
Aug 31	Comb-crested Jacana	1	John Brown's Lagoon	M. Roderick
Sep 7	Swift Parrot	1	Broke Road	S.Roderick
	Painted Button-quail	1	<u>.</u> .	"
Sep 7	Spiny-cheeked Honeyeater	1	Pokolbin	M.Hunter
Sep	Collared Sparrowhawk	Pr+1fy	Wickham Park	M.Kibby
Aug 18	Swift Parrot	4	Duns Creek [Forest Rd]	M.Newman
Sep 1	Royal Spoonbill	72	Lenaghans Drive	"
1	Wandering Whistling Duck	57	Minmi [nr S.TW.]	"
	Latham's Snipe	1	Hexham Swamp	"
Aug 24	Tawny-crowned Honeyeater	2	Awabakal N.R.	B.Shields
Aug 18	Southern Boobook	1	The Junction	M.Blanch
Aug 15	Straw-necked Ibis	17	"	"
Aug 10	Figbird	1	"	"
Aug 2526	Striped Honeyeater	1	Little Pelican	J.Adams
Aug 24	Logrunner	2	Williams River Picnic area	L.Mee
Sep 8/9	Nankeen Kestrel	2	Rathmines [Golf Club]	D.Johnson
Sep 10	Swamp Harrier	1	Belmont South	J.Cockerell
•	White-bellied Sea-eagle	1	"	"
	Australian Hobby	1	"	"
Sep 6/7	Brown Thornbill [feeding F/T	Cuckoo	" [garden]	"
•	Eastern Spinebill	1	"	"
	White-cheeked Honeyeater	1	"	"
	Brown Honeyeater	1	"	"
Aug	Powerful Owl	1heard	Blackbutt Reserve	A.Stuart
Sep 20	Eastern Reef Egret	1	Crowdy Head [rock platform]	"
Sep 21	Spectacled Monarch	2pr	Harrington [rainforest]	"
	Varied Triller	1f	Manning Point	"
	Sanderling	3	Manning Pt –Harrington [beach]	"
	Wompoo Fruit-dove	1	Saltwater Reserve	"
	Beach Stone-curlew	1	Saltwater Lagoon	"
	Double-banded Plover	1	Manning PtHarrington [beach]	"
Aug 31	Black Falcon	1	AshIsland	Name omitted
Sep 7	Figbird	1	Raymond Terrace	"
Sep 9	Yellow-tailed Black Cockatoo	8	<u>.</u> .	"
Jul	Spangled Drongo	1	<u>.</u> .	"
Sep 5	Giant Petrel spp.	1	Fort Drive	C.Anderson
	Black-browed Albatross	2	"	"
	Fluttering Shearwater	100's	66	"
	Wedge-tailed Shearwater	100's	66	"
	Australasian Gannet	10's	66	"
Aug 21	Spiny-cheeked Honeyeater	1	Doyle's Creek	H.Tarrant
	Diamond Firetail	3	"	"
Sep 7	Rufous Songlark		"	"
Aug	Common Blackbird		Maitland/Lorn/Bolwarra	"
Aug 26	White-throated Gerygone	1	Walka Water Works	"
Sep 7	White-browed Babbler	А	Doyle's Creek	"
	Grey-crowned Babbler	В	"	"

# **HBOC ACTIVITIES PROGRAM 2008**

DATE	EVENT	MEETING TIME & PLACE	CONTACT (S)
Sunday	Volunteer Day	8.00am to Noon	Tom Clarke
12 October	Stockton Sandspit	Sandspit Car Park	4951 3872
Saturday	Hunter Wader Survey	10.30am Ash Island	Alan Stuart 49528569
18 October		11.00am Various	Chris Herbert 49593663-
		locations as directed	Jack Adams 49715334
Sunday	Field Outing	8.30am Muswellbrook	Tom Clarke
19 October	Bengalla	McDonalds	4951 3872
Sunday	Catchment Day	9.00am –4.00pm	Alan Stuart
19 October	National Water Week	The Wetlands Centre	4952 8569
Tuesday	Tomago Wetlands	7.30am Entry	Neville McNaughton
21 October	Survey	to Tomago House	4951 1265
			please ring to confirm
Saturday-Sunday	TWITCHATHON	4.00pm Sunday	Mick Roderick
25/26 October	Fundraising Event: local	Hunter Wetland Centre	0421 761 237
4pm to 4pm.	Birds Australia projects	BBQ (BYO everything)	
		\$4.50 entry fee applies	
Monday	Waterbird Survey	10.00am to Noon	Ann Lindsey
3 November	"ground truthing"	Various wetlands	4951 2008
Tuesday	Mid-Week Outing	7.30am Corner	Robert Stewart
4 November	Seahampton	George Booth Drive &	4963 2029
		Seahampton Road	
Wednesday	Management	<b>6.30pm</b> –10.00pm	ALL MEMBERS
5 November	Committee Meeting	Garden Suburb School	WELCOME
Wednesday	CLUB NIGHT	7.30pm	Speaker: Mick Roderick
12 November		The Wetland Centre	Backpacking Birding
Saturday	Hunter Wader Survey	9.30am Ash Island	Alan Stuart 4952 8569
15 November		10.00am Various	Chris Herbert 4959 3663
		locations as directed	Jack Adams – 4971 5334
Sunday	Volunteer Day	8.00am to Noon	Tom Clarke
16 November	Stockton Sandspit	Sandspit Car Park	4951 3872
Tuesday	Tomago Wetlands	7.30am Entry	Neville McNaughton
18 November	Survey	to Tomago House	4951 1265
			Please ring to confirm
Sunday	Field Outing	8.00am Townhead Park,	Tom Clarke
23 November	Mount Royal	Singleton	4951 3872
Sunday	Hunter Seawatch	2.00pm – 4.00pm	Mick Roderick
30 November		Fort Drive, Nobbys	0421 761 237
Tuesday	Midweek Outing	7.30am Car Park	Judi Thomas
2 December	Hunter Wetland Centre	Hunter Wetland Centre	4952 2960
Wednesday	Management Committee	7.00pm	All Welcome
3 December	meeting	Garden Suburb School	
Wednesday	XMAS CLUB NIGHT	7.30pm	Members Night
10 December		The Wetland Centre	Bring slides, anecdotes
			videos and a plate to share
			the festive spirit