

Serving the Moore River catchment since 1995

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Issue 35 Autumn 2015

Welcome to the Moore Catchment Council's (MCC) 35th *Moore to the Point* newsletter. Great news for the MCC with the success of securing new projects. MCC is now juggling a dozen projects which is a marvellous feat considering its limited staff ie one full time NRM Officer & one part time EO. It will be a busy 2015! editor **Rachel Walmsley**

Inside this issue:	page
Koojan soil con- ditioner trial	2
Koojan trial - costs & method	3
Moore Carnaby's projects	4
MCC vollie up for an award	5
New Guilderton signs & award	6
Candy's Bush project update	7
Help plant the dunes!	8

MCC successful in scoring six new projects

Moore Catchment Council are extremely pleased to announce six new projects that have just been approved. These projects are not only a boost to managing the natural resource in the Moore River catchment, but also a huge boost to ensure Moore Catchment Council continues as an active community NRM group.

WA Natural Resource management program

"Protecting and enhancing the Moore River biodiversity assets"

- This project partners the Moora-Miling Pasture Improvement Group (MMPIG) and will help farmers fence off and revegetate natural assets in the eastern Moore. This includes creek lines and native bush on private land which otherwise is degraded by stock. Extension activities include a film and information days.



Dave Isbister fenced and revegetated his creek in 2011

"Rehabilitation of the North Guilderton Dunes - stage 2"

- This project will rehabilitate degraded dunes north of Guilderton using native species. A community planting day in June organised with the Guilderton Community Association will plant 3,000 seedlings on old vehicle tracks in a newly fenced off area. A propagation workshop in November will teach the community how to ID and grow native coastal species for future projects.

"Planting food for endangered Carnaby's Black-Cockatoo in the Calingiri IBA"

- This project will plant 11,000 native forage plants for Carnaby's Black Cockatoo in the Calingiri Important Bird Area and at a property in Piawaning. This is a continuation of the MCC's long term project to provide more food for Carnaby's in the Moore catchment. Extension activities include a Carnaby's information day.

Wheatbelt Development Commission

"Moore Eco trails booklet- Moora Shire"

- This project will create a booklet highlighting walk trails around the Moora Shire and informing visitors of ecological and heritage information. The booklet will feature as part of the Shire of Moora's tourism strategy. In addition, the project will allow partnership with Parks & Wildlife to upgrade the Jingemia Walk trail near Watheroo.

NACC Sustainable Agricultural program - funding from Australian Government

"Demonstration of NyPa Forage to stabilise saline land"

- This project, in partnership with MMPIG, will trial the highly salt tolerant grass NyPa Forage on a property west of Moora. The demo site will cover 10ha around a salt lake. A field day will be held to showcase the project.

"Identifying cost effective ways to incorporate lime in the Moora-Miling farming district"



On site assessment with farmer & NyPa Aus

- This project, in partnership with MMPIG and Precision SoilTech will trial different on-farm machinery to incorporate lime on to acid soils. On-line video paddock diaries will document and share the project. A field day will be held to share the project's findings.

CARNAMAH
COOROW

DALWALLINU
Wubin

Woora

MOORA
MOORA
MOORA
MOORA
MOORA
Point
Sea Bird
Guilderton

GIRGIN

GIRGIN

Carnaby's feeding in the Moore

Information correct at time of printing. While every attempt is made to present accurate information on events, dates etc no responsibility is taken for the accuracy of the information

Koojan soil improvement trial inspires local farmers

Do you ever wish that your gutless worst paddock on the farm would make some money?? Ian McGillivray at Koojan has been experimenting with various soil conditioners to generate more income from his poorest paddock and shared his trials and findings at a field walk on 25th March. Rachel Walmsley from Moore Catchment Council (MCC) said "Ian's been testing variable rates of chicken manure, organic soil conditioner, clay and Agflow on non wetting sand using a grant obtained by Moore Catchment Council through the Federal Government. He wanted to strategically use the conditioners in strips to maximise effect and reduce costs, and then plant Tagasaste and saltbush as sheep feed."

The field day attracted over 20 people and started with egg and bacon rolls in the woolshed before moving on to the trial. Rachel said "Ian was brilliant at sharing every aspect of the trial including costings of each treatment and homemade machinery to spade the soil and plant/cut the tagasaste. Some of the plants were huge - including the biggest 8 month old saltbush ever seen !!" Next stage for Ian is to monitor the trial site for the next few years to see changes and plan which application is the best - both cost effective and beneficial.



Ian shows the group his seeding and cutting equipment



Out in the field, Ian explains the trial to the group



Ian explains why he deep ripped twice at different depths



Row 34 - high rates of chook poo and compost

Take away messages included:

- deep rip twice at 350mm and then 600mm
- spading non wetting sand definitely helps with establishment
- adding clay is good, but not on its own, need organics
- improving poor soil with organic material massively improves establishment and vitality of plants
- cut tagasaste regularly, and crash graze both saltbush and tag to get the most out it

Rachel concluded "Huge thanks to Ian (and family) for being a diligent trial manager and allowing the field walk, to Phil Barrett-Lennard for sharing his perennials words of wisdom, to Elders for the use of their BBQ, and to the Australian Government for funding the trial."



4 min video interview with Ian here: https://youtu.be/pGc-Hxklq80

Further information, contact MCC on 9653 1355



Ian with some of his huge river saltbush

Koojan trial - method, costings and observations

Koojan triai - i	Heti	iou, costings a	iiu o	D2CI A	acions	
ALL TRIALS Deep ripped at 350mm and the Soil packed before sowing Spaded to 300mm, except No		00mm	Row No	March 2015 Growth Score Rating	Strategic Soil improvement	Fodder Shrub
Saltbush sown at 1m spacing		1	4	Control	OMS	
Tagasaste sown at 400gm per km of row or 250g per km of row		2	6	200T clay	OMS	
		<u> </u>	3	6	400T clay	OMS
200 ton/ha of clay is 16 ton of clay per km of row (800mm row width)		4	8	200T clay	OMS	
Trial site had 4 ton lime applied		5	7	400T clay	OMS	
That site had it terrinine applie	G.		6	4	Control	RS
COSTINCS			7	4	200T clay	RS
COSTINGS		8	4	400T clay	RS	
OSC \$11.25m3 delivered		9	7	200T clay + 120m3 CM	RS	
- 180m3/ha = \$162 per km of row plus spreading		10	8	400T clay + 240m3 CM	RS	
Chicken Manure \$20 delivered		11	5	200T clay + 300kg Agflow	OMS	
- 120m3/ha = \$192 per km of row plus spreading		12	4	400T clay + 300kg Agflow	OMS	
AgFlow \$750/ton delivered		13	7	200T clay + 120m3 CM	OMS	
- 300kg/ha = \$18 per km of row plus spreading		14	7	400T clay + 240m3 CM	OMS	
			15	3	200T clay	RS
Growth Score rating 1 – 10		16	4	400T clay	RS	
1 = all dead	10 =	Outstanding	17	7 8	200T clay + 120m3 CM	RS RS
<u>Abbreviations</u>		g	18 19	6	400T clay + 240m3 CM 180m3 OSC	OMS
	SC – Ord	ranic Soil Conditioner	20	6	360m3 OSC	OMS
G		21	8	180m3 OSC + 120m3 CM	OMS	
OMS = Old Man Saltbush RS = River Saltbush		22	9	360m3 OSC + 240m3 CM	OMS	
			23	6	180m3 OSC	RS
TRIAL OBSERVATIONS		24	7	360m3 OSC	RS	
Treatments with Chook Manure were the best early on, OSC		25	7		RS	
treatments had caught up in later observations		26	9	360m3 OSC + 240m3 CM	RS	
Early observations showed 240m3 chook manure caused some leaf burning on saltbush, not noticed later on		27	6	180m3 OSC	OMS	
O Company of the Comp		28	6	360m3 OSC	OMS	
Significant rainfall events		29	6	180m3 OSC + 120m3 CM	OMS	
1 Dec 2014 = 20mm Feb 2015 = 53mm 12 March 2015 = 12mm		30	8	360m3 OSC + 240m3 CM	OMS	
			31	7	180m3 OSC = 300kg Agflow	RS
50m3/ha of material	=	5mm thick on ground	32	7	360m3 OSC + 300kg Agflow	RS
12m3/ha of material	=	12mm thick on ground	33	8	180m3 OSC + 120m3 CM	RS
240m3/ha of material	=	24mm thick on ground	34	9	360m3 OSC + 240m3 CM	RS
200 ton/ha of clay	=	20mm thick on ground	35	4	Control	TAG 400g/km row
400 ton/ha of clay	=	40mm thick on ground	36	6	180m3 OSC	TAG 250g/km row
			37	7	180m3 OSC + 120m3 CM	TAG 250g/km row
2 rows of shrub 3m apart then 6m interow is 2.3 km of row per		38	4	100T clay	TAG 400g/km row	
ha		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	39	8	100T clay + 120m3 CM	TAG 400g/km row
200 ton/ha of clay	=	37 ton of clay per ha of	40	7	100T clay + 200kg Agflow	TAG 400g/km row
planting			41	2	Control - Not Spaded	TAG 400g/km row
120m3/ha of chook manure	=	22m3/ha of planning	42	7	1000m3 OSC 130m3 CM	OMS/RS
22m3 x \$20 m3 = \$440/ha			43	6	180m3 OSC = 120m3 CM	TAG 250g/km row
180m3/ha od OSC	=	33m3/ha of planting	44	5	100T clay	TAG 400g/km row
33m3 x \$11.25 m3 = \$371/ha		, o	45 46	8 5	300T clay + 120m3 CM 200T clay + 200kg Agflow	TAG 400g/km row TAG 400g/km row
, , , , , , , , , , , , , , , , , , , ,			46	7	720m3 CM	TAG 400g/km row
			4/	,	/ ZUITIS CIVI	IAG 400g/KIII IOW

Carnaby's Black Cockatoos forage habitat projects

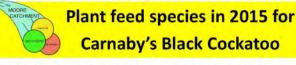
MCC is currently running four projects involving Carnaby's Black Cockatoo. Carnaby's are endemic to SW Western Australia but now endangered with populations estimated between 11,000 and 60,000. Their breeding and feeding habitat has been extensively cleared leading to their downfall. All hope isn't lost yet, and projects like the below have allowed new habitat to be created and raised public awareness of ways to identify and conserve this iconic bird species before it becomes extinct.

Moora

In Moora, MCC is managing a small project, in partnership with the Shire, Friends of the Moora Woodlands and the Wally Kerkhoff Carnaby's group, to help with Carnaby's breeding. Funding obtained through the Australian Government's National Landcare Program is been used to construct 10 nesting logs, fence a shire 1ha bush block containing Salmon Gums with hollows, and obtain 5,000 native forage and nesting plant species for planting around Moora.

MCC is working alongside Wally Kerkhoff, legendary Carnaby's carer, to construct and locate the nesting logs around the Moora townsite. Wally has spent many years perfecting his log design and has had great success in helping to raise the Carnaby's also plans to organise a MCC 'masterclass' information day with Wally to inform interested people on how to build and erect nesting logs.

The Shire has given permission to fence a 1ha bush block on Drummond St in Moora. The block contains many mature Salmon Gums - some with hollows, which are used by the Carnaby's. The block also contains a range of feed species including Hakea species. 5,000 native seedlings will be used around Moora to help boost food available for Carnaby's. Some of these will be made available for the public to use at their Moora properties. See Ad right.



to be below 60,000.

The Moora Important Bird Area (IBAs - yellow on map) support up to 60 breeding pairs of Carnaby's Black-Cockatoo. The birds are drawn to this area during the breeding season because of the presence of suitable nesting hollows in some remaining salmon gums within Moora township and road-rail reserve. However, breeding pairs struggle to rear chicks to fledging and beyond, due to shortage of food plants remaining in the landscape as a result of clearing for agriculture. This project will increase the area of suitable feed habitat for Carnaby's Black-Cockatoo to enhance the breeding prospects of this rare and endangered species.











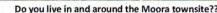












Would you like some free trees and bushes (Hakeas, Grevillea, Acacia, Salmon Gums, Wandoo & York Gums) to plant in 2015 for Carnaby's Black Cockatoo?

If yes - then contact Rachel at the Moore Catchment Council to register your interest:

9653 1355 or 0409 296 264 or mcc.nrmo@bigpond.com



This Moore Catchment Council project is being funded through the Australian Government's National Landcare Program







This project, funded through the WA State Natural Resource Management Program, will plant 11,000 native forage plants for Carnaby's Black Cockatoo on private property in the Calingiri Important Bird Area and at a property in Piawaning. This is a continuation of the MCC's long term project to provide more food for Carnaby's in the Moore catchment. So far over 25,000 native feed species by over 100 landowners have been planted in the past two years, with an additional 36,000 seedlings being planted in 2015.

A media release calling for expressions of interest was sent out early 2015. The response was almost immediate and now all seedlings (and small amount of fencing) have been allocated. The property in Piawaning townsite with have 3,000 seedlings planted by a local Yued planting contractor. This will help engage local Yued youth and connect them to country.

The seedlings will include 20 species of Banksia, Hakea, Eucalypt, Grevillia and Acacia, which are all high to low priority for Carnaby's as designated by Parks & Wildlife research.

The project will also include a Carnaby's information day hosted by local Carnaby's carer and farmer, Sarah Mason. Birdlife Aus, Muchea tree nursery and the Wally Kerkhoff group will be involved in the informative and interesting day.

Cont....

Gingin to Guilderton

MCC were extremely fortunate to obtain funding through the highly competitive Australian Government 20 Million Trees National Landcare Program. This project will plant 20,000 high priority native forage species on private land between Gingin and Guilderton within the Swan Important Bird Area. This project builds on the 2014 Carnaby's forage habitat project funded through the State NRM Program which allowed 80 landholders to plant 11,500 forage plants. The seedlings available will include Banksias, Hakeas and Eucalypts which are all designated high priority by Parks & Wildlife. MCC also has funding to supply tree guards and financial help with weed control in the planting area. Monitoring of the planting sites will be carried out using a smartphone monitoring app. This will make capturing and recording information about the seedlings success a lot easier to manage. Anyone interested in seedlings - check out the below ad.





Tony Ruse and his 2014 Carnaby's project plantings

Great Cocky Count

The Birdlife Australia Great Cocky Count took place on Sunday 12th April. This count gives a snapshot of the number of Carnaby's around WA. MCC took part in the count which takes place between Moora and Dandaragan. 4 volunteers set up camp in the designated spot shortly before dusk poised with pen and paper ready for the birds to fly over (last year we counted 460 and it was crazy in the skies!!) We waited and waited and in the end only 2 were observed. Not hard to count! We figure that the recent wet weather had changed the pattern of Carnaby's movements as we know from other observations that there are plenty around. They just weren't where they were supposed to be:) Thanks to Marie, Harry and Tim for braving the mozzies.

Volunteer's dedication to rural community

On of the MCC's committee, Peter Waterhouse, was nominated in the WA volunteer of the year awards earlier this year and has made it through to the final 20 in the People's Choice Award. Peter is actively volunteering with several community organisations which all contribute to the sustainability of the environment and community in his rural wheatbelt location. They include the Moore Catchment Council, the North Central Malleefowl Group, the Gunduwa Regional Conservation Association, and Perenjori Council and for the last 28 years he has also volunteered with St John Ambulance. Now that is dedication!

The People's Choice Award recognizes the thousands of unsung heroes who through their volunteering have enhanced the lives of others and the community. They are the wonderful

people who do not seek reward and are rarely recognized for the extraordinary contribution they make through volunteering. Now is the time to recognize them. Awards to happen during National Volunteer Week, 11 - 17 May 2015. Good luck!

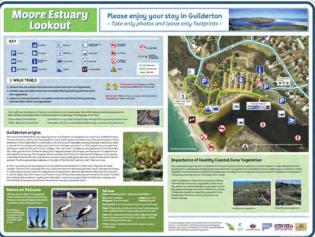


Guilderton projects and up for an national award!

A project to create more interpretative signage for Guilderton is progressing well. MCC obtained a grant through the NACC Coastal Program (funded through the Australian Government) to create some new signs to indicate where walk trails are located around the town. A new town map has been created in collaboration with the Guilderton Community Association (below) to be located at the Visitors Centre and Visitors Layby. It will also feature in the new town visitors brochure.

Four addition signs are being created for the Estuary lookout car park, North Groyne car park, Silver Creek reserve and Riverside Trail. These signs detail walk trail options at each location and also interesting snippets about local ecology and history. They will be installed in June to coincide with the judging day (see below). The aim of this signage project is to enhance the experience of the thousands of visitors who come to Guilderton every year, and also to ensure they understand why Guilderton needs conserving for future generations to enjoy.





Above: main town map sign

Above: one of the 4 interpretative signs

Guilderton Named National Finalist for Australian Clean Beaches Award

The Shire of Gingin is very proud to announce that Guilderton has been selected as the WA finalist for the Keep Australia Beautiful's Australian Clean Beaches Award 2015. This program celebrates and awards communities who actively work for a cleaner, more sustainable coastal environment. The small but stunning coastal town situated at the mouth of Moore River was selected for its outstanding achievements in coastal and waterway conservation, and will now be competing against other iconic beach locations such as Bondi Beach in NSW and Richardsons Beach in Tasmania for the crown of having Australia's cleanest and sustainably responsible beach.

The Guilderton Community Association (GCA) has been the driving force behind a number of Guilderton's Keep Australia Beautiful successes, including the Midwest-Gascoyne Tidy Town Award which it won in 2013, and will be the submitting body for Australian Clean Beach Award 2015 on behalf of the town. GCA President Gillian Lamont, who is now busy preparing the national award submission, credits Guilderton's success to its high level of volunteerism and the community's genuine passion for the pristine Moore River estuary and coastline. "Although the GCA is putting forward the submission, it will include the whole community and we'll be reaching out to them for their input," Ms Lamont said. "We are very proud to be representing WA, however the fact that we are so small with such limited resources, and given who our competitors are, taking out the national title will be a huge challenge."

Two initiatives in Guilderton's state entry that impressed Keep Australia Beautiful award organisers include the construction of a timber stairway leading from an outlook gazebo at the top car park down to the ocean which will provide safe access to the beach and help defend the fore dunes from further degradation, as well as the North Guilderton Coastal Restoration Project which was created to help protect native vegetation unique to the

Gingin Shire President Michael Aspinall expressed his admiration for the result. "It just goes to show what a small community can achieve when faced with the challenge of conserving their sensitive coastal environment as well as making it an attractively sustainable place to live and visit," he said. "The level of commitment by local residents has been truly outstanding and we wish the Guilderton community every success with its national submission." Judges from Keep Australia Beautiful National Association will visit Guilderton on 19 June 2015 to tour the area and discuss Guilderton's national submission with stakeholders. Further details about the visit will be made available to the public closer to the date. The national awards will take place in Sydney on 21 July 201

Shire of Gingin media release



Above: members of the Yued community and Rachel (MCC) help unveil the new Moore estuary signs

Candy's bush reserve project update

The WA NRM funded project for creating signage for Candy's Bush Reserve in Moora is progressing well. A dozen different signs sharing the history, ecology and Yued heritage significance of the reserve have been designed and are in production. These will be placed at the main pedestrian entrance on Gardiner St and along the new 1km walk trail through the reserve. The signs have been designed with input from the Shire, Friends of the Moora Woodlands, Wally Kerkhoff Carnaby's group and the Yued community.

Once they are installed, an opening event with guided walk of the reserve will take place. There will also be an accompanying booklet with the ecological information detailed with reference to Aboriginal significance.

Right & Below: Large entrance signs to be located at main access point

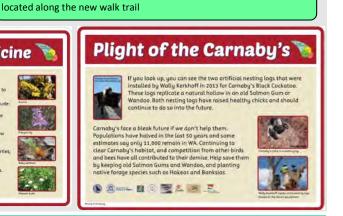






Above & below: some of the smaller interpretative signs which will be





Maya Mallefowl project update

The 30,000 seedlings planted for Malleefowl at Phil Nicolaou's Maya property in 2014 are ticking along nicely - especially after excellent summer/autumn rains. Phil is gearing up for the next wave of seedlings that will be planted this winter. An additional 25,000 seedlings will be planted to complement last year's planting through funding from the WA NRM program.

This autumn MCC will join forces with the North Central Malleefowl group to conduct an assessment of remnant bush on the farm to locate malleefowl nests. MCC are also seeking additional funds for malleefowl through the Gundawa Association in partnership with the Yarra Yarra Catchment Management Group.



Above : Adult malleefowl on mound

Community planting day



Help repair the North Guilderton dunes.

We need your help to plant 2,000 native seedlings and protect them with tree quards.



When: Sunday 7th June 2015

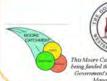
Where: Meet at car park above North Groyne

Time: 9:30am onwards. Light lunch and refreshments provided

RSVP: Rachel 9653 1355 / 0409 296 264 or mcc.nrmo@bigpond.com

- Please be sunsmart bring hat, glasses and sunscreen
- Please bring gloves, own shovel or trowel and bucket
- Wear boots and suitable clothing













Degraded tracks on the dunes - soon to be revegetated

Help plant the dunes!

As part of the new WA NRM Program funded Guilderton dune project, a planting day is happening on the 7th June in conjunction with the Guilderton Community Association and the WA 4WD club. The day will involve planting 2,000 native coastal seedlings and placing tree guards around them along degraded tracks on the north dunes. The 22ha area was fenced off from vehicles in 2014 and now needs a little help with rehabilitating the old tracks.

The Shire of Gingin are contributing by funding some native brushing (placing cut branches of native plants) to be carried out Dept of Parks & Wildlife.

Since the area was fenced off, some native species are starting to colonise the tracks naturally.



This Holly Leaf Tailflower was spotted on one of the tracks January. known as a colonising pioneer species so was good to see.



This photogenic Bobtail happy sunning itself on one of the old tracks. Happy in the knowledge that it won't get run over!

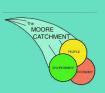
Upcoming events

- 7th June Guilderton Planting day. See above advert
- 31st July MCC Ordinary General Meeting, Moora all invited to attend. Call MCC 9653 1355 for more details

Moore

Catchment

Council





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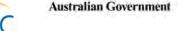












All photos within this publication have been taken by Rachel Walmsley, unless indicated otherwise