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Birdata Mobile App

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Milly Formby's Epic Adventure

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Where to now?

















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Stints are Rad!

Schools Program

The Stirts are Radf Schools program is an excursion model officer science event designed to introduce primary & secondary school students to migratory shorebirds.

Students learn:

- · About the East Asian-Australisian Flyway and shorebird migration/ecology
- · Basic shorebird ID
- Basic survey methods using the BirdLife Australia Birdata app on their mobile device.
- How to use a telescope and binoculars.
- Data collection and how data are used for shorebird population management
- About current technologies used to track shorebirds on migration (i.e. geolocators and satellite tases.

Objectives

- To bring migratory shorebirds into the classroom so that they become part of mainstream public knowledge
- Scale up citizen science programs with students as a means to creating stronger stewardship of Australian and international wetlands
- Increase shorebird monitoring activities around the country.
- Connect Australian teachers and students with sister echools in the East Asian-Australasian Flyway through SintLife Informational
- Engage students with STEM through ecology, geography, aviation and statistics
- · Establish ongoing connections between schools and local conservation groups

Target Audience:

- Grades 5-6 and Years 7-9 students
- Teachers
- · Parents.

Key messages:

- · We are all connected through global ecological networks.
- Understanding how local habitats have a place within a global context highlights the importance
 of protecting those habitats. Not just for the birds, but for us too because we rely on the same
 ecosystems for our own health and well-being.





Citizen Science Milly Formby



www.wingthreads.com



Wetland Yarns & Aboriginal names panel

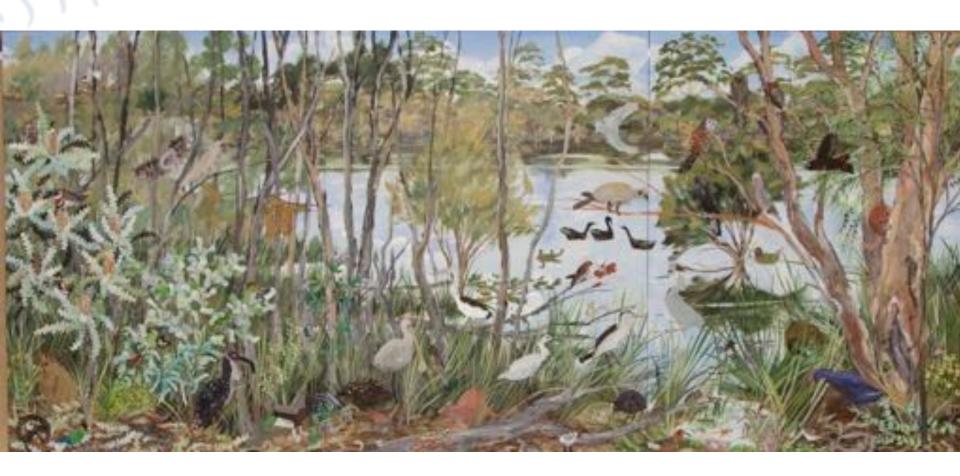
- Culture
- Science
- Environment













PLANTS AND ANIMALS OF LAKE MEALUP

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Common Name Notive Deep Witcherty Grulo

Noongar Name

(bees) rgcowsk

Jacobel, Mandow Argus

Common Name Noongar Name Brush-Taled Postum rigair or koomel. (general form for possum). Western Crey Kangaroo yangkis

lovends / losemt

moyti (general term for water rat)

Western Fing Tail Possum Wattle But. Dobiti Walloby

Noongar Name ngestyli

bangup/lammer/keokka

yaakan (swamp tortoise)

olint other (general plower terms)

Bandicost

Refeit

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Bearded Dragon

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Jornah Tree rbims.

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Common Name

Tortoise

Common Name

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Common Name Noongar Name

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Shower Duck Black Swan Propoli

Black-fronted Dotterel nidoolyarang: Blue Billed Duck boodpo or yerderup (general term for duck)

Curlew Sandpiper wirto/wilo

Collard Sparrow Hawk difi difi Little Black Corrogert **koordiokt**

kasi-kasi / kooksi-kooksi Kookaburra

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New Holland Honeyeater bandity

Common Name

Noongar Name Purple Swamp Hen kielden

Red-Capped Plover Greater Sand Plover

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Shorebird Identification Training Workshop

Ramsar 482





Conducted each year since 2008







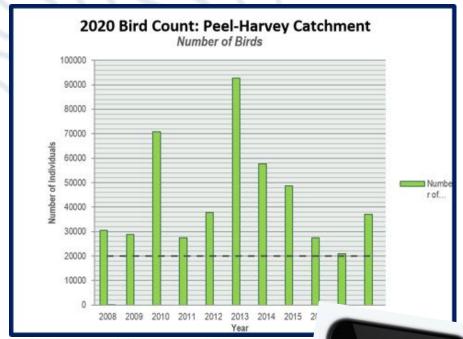
2018 Shorebird2020 Count Peel-Yalgorup System Ramsar 482

- 66 Volunteers
- 19 Count Teams
- 37,043 birds
- ~44,000 ten-year average
- 56 shorebird species

















Art for Advocacy, Awareness, Engagement David Rennie

ANZANG Nature Photographer of the Year 2013 (Aus.Geographic)
Ramsar 482 wetland ambassador







Near Miss

OVERALL WINNER

A young Osprey (Pandion cristatus) was learning to fish, and this was her sixth try one morning. She came out of the water and looked back at her talons to see why she was missing her prey. The Spoonbill (Platake sp.) was coming in to land. The Osprey looked up and, well, a 'near miss' was captured.

Mandurah Wetlands, Western Australia

Canon 1D Mkill, Canon Boomm (5,6), lens, 1/2000, f8, ISO Boo, handheld

by David Rennie (WA)

A Night with David Rennie & Friends

205 people hear David explain how he captured the photos and how much the birds and wetland mean to him

David Rennie Ramsar gallery:

http://www.ramsar.org/gallery/field_album/david-rennie-1181/field_album/wetlands-professional-photography-1183



Pave the Way clean up days David Rennie 'celebrity promoter'

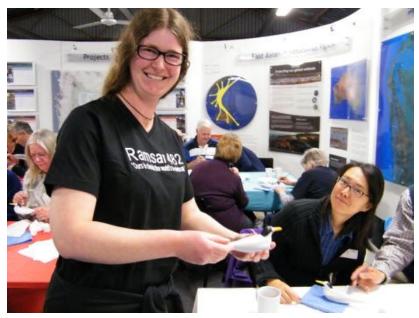
Annual clean up "Paves the Way" for the arrival of the shorebirds – since 2013





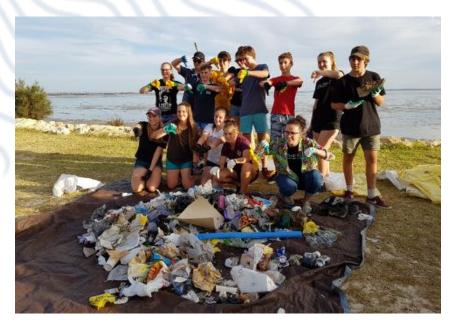














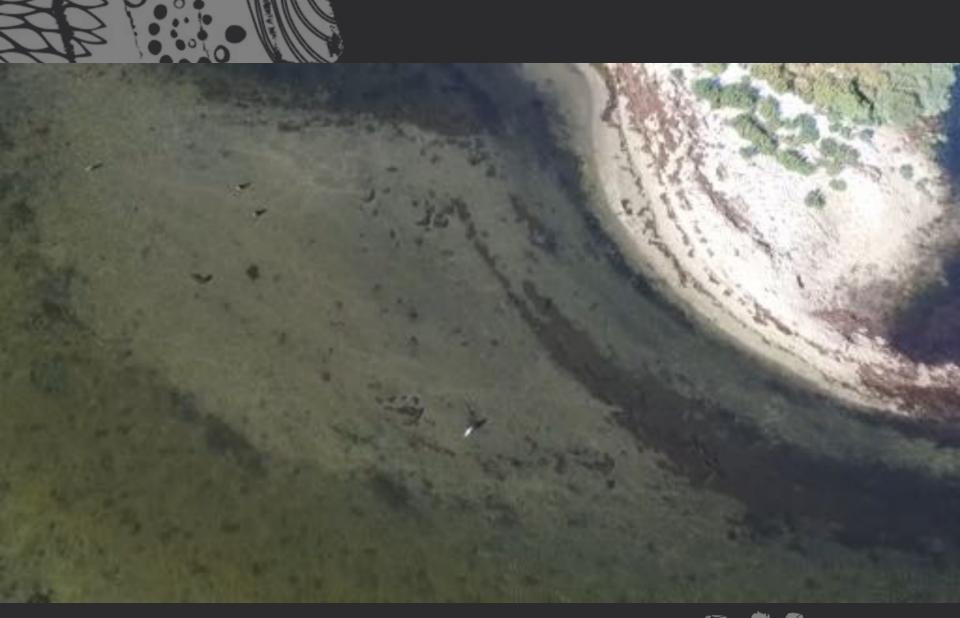




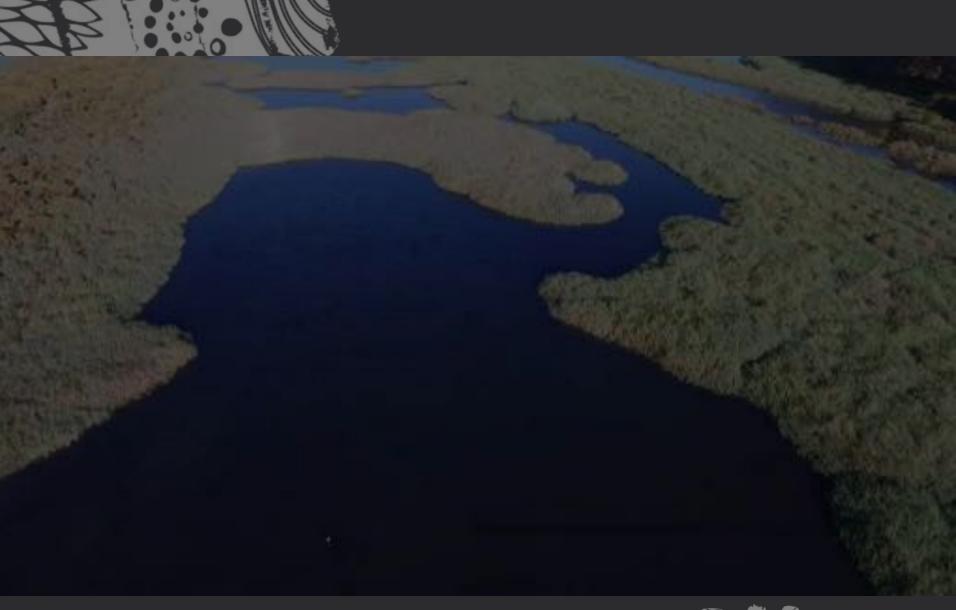


"It's wonderful to be able to provide an ecological awareness excursion ...most of these students have become personally committed to affecting change to the local environment in their own ways"

~ Leanne Broomfield, TAFE Lecturer – Shorebird ID ~









Wetlands from Above







Thank you

Follow us:



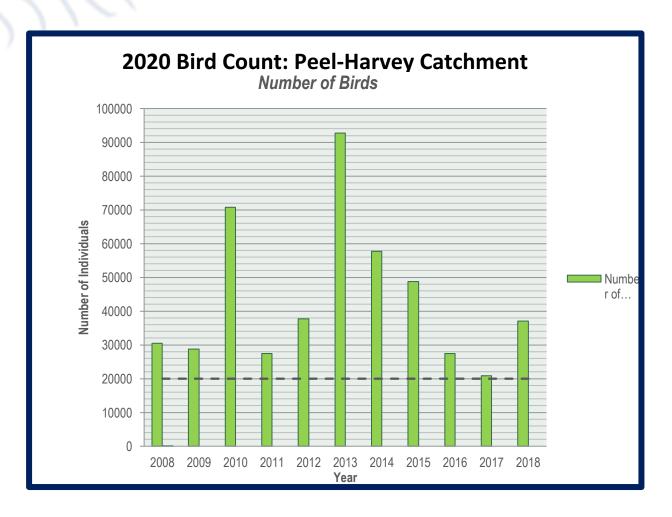
@PeelHarveyCatchmentCouncil



@PeelHarveyCC



Shorebird 2020 Count Trends Over Time

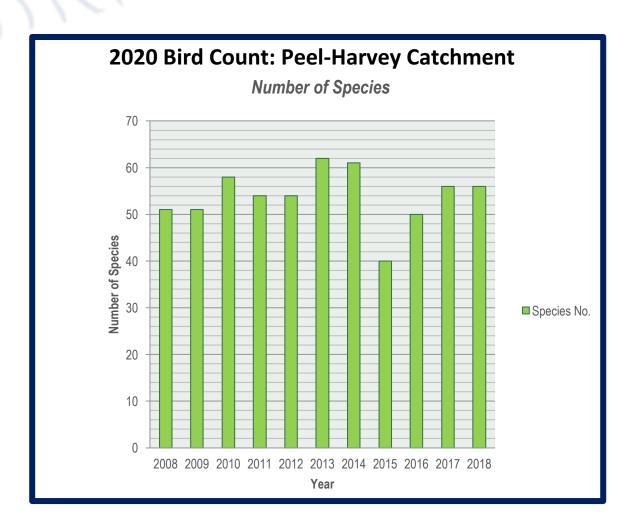


Total Number of birds counted in the PYS in 2018.

37,043



Shorebird 2020 Count Trends Over Time



Total number of species counted in the Peel-Yalgorup System in 2018.

56

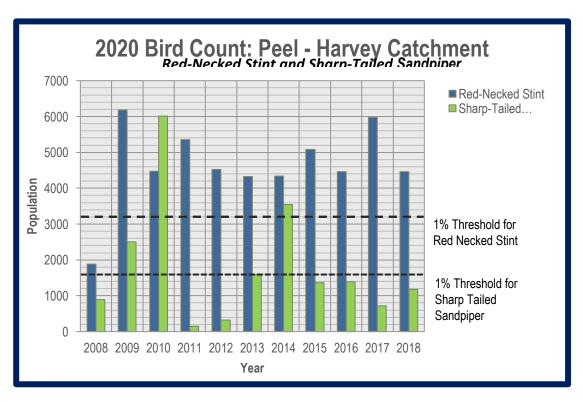


Red-necked Stints & Sharped-tailed Sandpipers Waterbird Program A

PYS Management Plan

Monitoring & Evaluation Guide Objective:

• Undertake counts of Red-necked Stints and Sharp-tailed Sandpipers annually at strategic locations across the PYS to assess maintenance of ecological character.

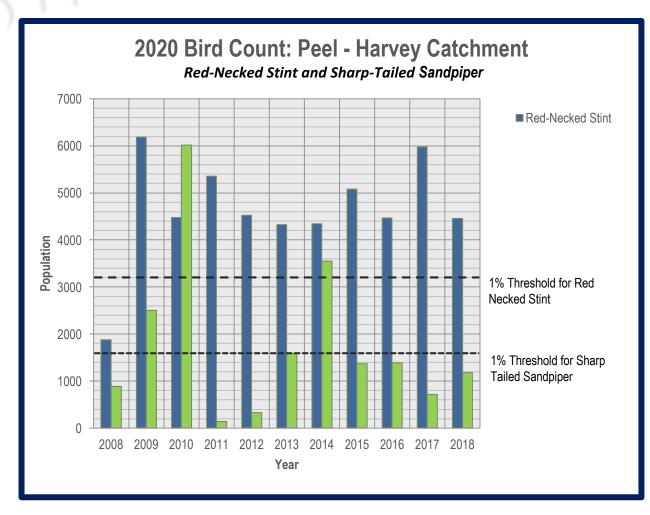






Red-necked Stints & Sharped-tailed Sandpipers

Waterbird Program A





Red necked Stints: 4460

Sharp-tailed Sandpiper: 1183

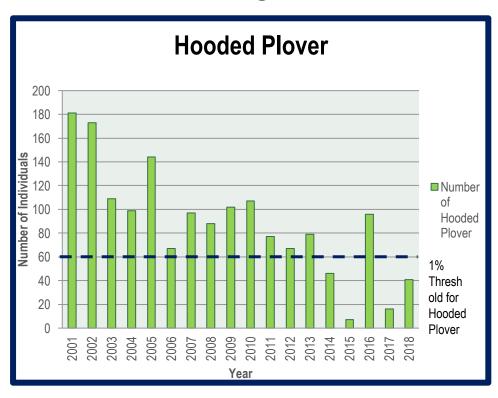


Hooded Plovers Waterbird Program C

PYS Management Plan

Monitoring & Evaluation Guide Objective:

• Undertake counts of Hooded Plovers quarterly at Lakes Preston and Clifton to assess maintenance of ecological character.





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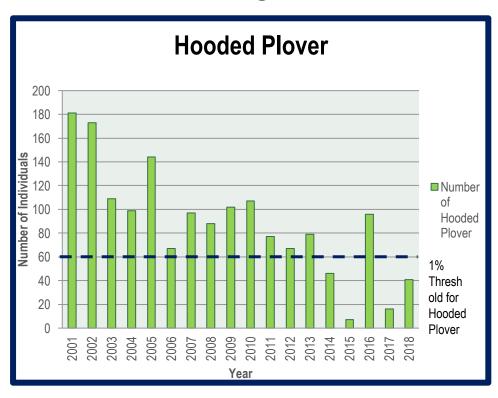


Hooded Plovers Waterbird Program C

PYS Management Plan

Monitoring & Evaluation Guide Objective:

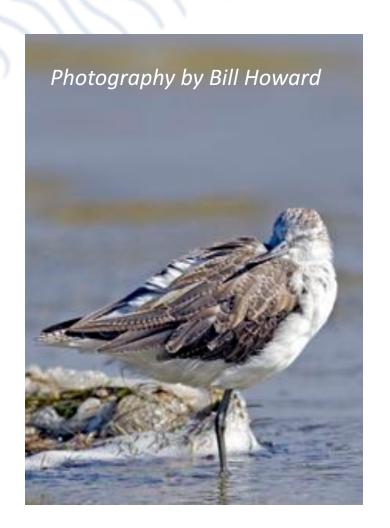
• Undertake counts of Hooded Plovers quarterly at Lakes Preston and Clifton to assess maintenance of ecological character.





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2018 Shorebird 2020 Other Noteable Statistics

Specie	Numbers
Black-winged Stilt	2327
Grey Teal	5486
Common Greenshank	169
Fairy Tern	53
Eastern Curlew	6





Ramsar 101 Masterclasses





Working Together

Power of personal connections

Masterclass with

Mandurah & Peel Toursim Organisation (MAPTO)

Ramsar values throughout Mandurah & the Peel Region Visitors Guide 2018







The Paul Yelgonip Welland System our declared of between all Ingestones in 1990 by the Roman Committee, it covers per 26,000 bectween and includes Paul fallet, Harring Estuary and multiple lakes, rivers and consequential reservoirs.

WHAT ARE WETLANDS?

Milliands are areas of lend whose water county five and at contain times in all pain. They include risers, prompts, introduct, out groundwise, table floric and endurings. Wellands are a critical part of our natural processing, providing in facility five and discrete oil plant and prompt seasons.

WHAT IS THE RAMSAN CONVENTION?

Aftis Insure not the Committee or Millstonia of the Immunitation Proportional Barriars is an intergeneous and society for the contentration production and send on in multiples, and then experience Element Symphosium to these experience Element Symphosium to terminal their assignments and with a proteoming fairling of fermination of the proteoming fairling of the element of the production of the element of the Symphosium of the element of the element of lands one of mills or these. See Part Holgen (Millston's Union weeks a seen.)

WHY ARE THEY SO IMPORTANT?

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ABORGCINAL CULTURE & BERLIAGE

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