

Update of significant activities in the past 12 months (March 2021 – March 2022)

1. **Wetlands and People – A community restoring the Ecological Character of the Peel-Yalgorup Ramsar 482 Wetland (2018-2023)**
 - PHCC continued delivery of this **5-year Project** funded through the National Landcare Program / Regional Land Partnerships (NLP2 RLP) tender process. This project addresses the outcomes specified by the Australian Government which are relevant to this Technical Advisory Group
 - **Primary Outcome (1) - By 2023, there is restoration of, and reduction in threats to, the ecological character of Ramsar sites, through the implementation of priority actions (i.e. the Peel-Yalgorup System); and**
 - **Secondary Outcome (4) - By 2023, the implementation of priority actions is leading to an improvement in the condition of EPBC Act listed Threatened Ecological Communities (i.e. the Thrombolites at Lake Clifton)**
 - **Cumulative actual totals** of the project services (outputs) for the project to date (**November 2018 to December 2021**) compared with the total planned outputs were as follows:
 - **16 / 25** baseline data sets collected and/or synthesized
 - **236 / 321** communications material published
 - **2 / 3** conferences / seminars
 - **8 / 12** field days held
 - **21 / 30** on-ground works on private land (weed control to complement works within Ramsar Site)
 - **88 / 125** community engagement training /workshop events
 - **> 160 / 160** ha controlling access
 - **> 800 / 390** ha treated for pest animals, initial
 - **> 500 / 360** ha treated for pest animals, follow up (pigs, foxes)
 - **> 30 / 30** ha from which debris was removed
 - **19 / 19** agreements established (Contractor and Landholder Works Agreements)
 - **10/7** monitoring regimes established
 - **46 / 68** days maintaining monitoring regimes
 - **11 / 17** annual fauna surveys conducted
 - **1 / 1** flora surveys conducted
 - **32 / 32 potential** sites identified for on-ground works
 - **24 / 37** negotiations with community, landholders, farmers, traditional owners, industry groups
 - **840 / 1210** days of project planning and delivery
 - **72 / 77** planning and delivery documents for delivery of the project services
 - **445 / 477** ha of initial weed removal
 - **314 / 350** ha of follow-up weed removal
 - **30 / 30** ha revegetated
 - **5 / 20** ha of revegetated habitat maintained
 - **16/16** days of site preparation
 - **36 / 50** Water quality Surveys conducted
 - **1 / 2** weed distribution surveys conducted

- This Project Design consisted of four components, briefly described as follows:
 - i. **Integrated collaborative management facilitated for ongoing integrated delivery and sustained action:** PHCC will continue to lead Peel-Yalgorup System’s “Ramsar 482” initiative, including facilitating the Technical Advisory Group (TAG); reporting the condition of the Ecological Character of the Site against the Limits of Acceptable Change; supporting subsidiary TAGs and Working Groups, and reviewing and updating the Site’s Ecological Character Description, Monitoring and Evaluation Guide and the Management Plan.
 - ii. **Community Engagement (Wetlands and People):** this sub-project component supports the Ramsar Convention’s Program on communication, capacity building, education, participation and awareness (CEPA) including implementing the Wetlands & People Plan – CEPA-Action Plan priority activities.
 - iii. **Assess Ecological Character and address key knowledge gaps:** core elements of the 12 recommended Monitoring Programs within the Monitoring and Evaluation Guide for the Peel-Yalgorup Ramsar Site (2008) will be implemented, as well as investigations into the hydrology of Lake Clifton and biological investigations to establish the condition of the Lake Clifton Thrombolite Threatened Ecological Community, and investigations into ASS at Lake McLarty.
 - iv. **On-ground priority actions:** will be implemented to remediate riparian and aquatic areas and associated upland habitats and reduce threats to further degradation. Priority actions include weed control, illegal access control, debris (litter and pollution) control, feral animal control and restoration.

- Highlights since March 2021 (the most recent Ramsar 482 TAG) are summarized as follows:
 - i. Integrated Collaborative Management (coordinated by Rick James and Steve Fisher)
 - Organised the **19th Ramsar Technical Advisory Group (TAG) meeting** for March 2021
 - Convened a **Climate Change Vulnerability Assessment for the Peel-Yalgorup Ramsar Wetlands (Ramsar 482) workshop** chaired by Mike Coote (DBCA) on 11 June, attended by **34 Stakeholders** with expertise in the components, processes and services that constitute the ecological character of Ramsar 482 and the **potential impacts of climate change** on these. Guests from South Coast NRM also attended by videoconference.
 - Participated in the Lake McLarty and Lake Mealup TAGs.



Some of the 34 attendees at Climate Change Vulnerability Assessment Workshop 11 June at PHCC.

- ii. Wetlands & People (Community Engagement, (coordinated by Charlie Jones)
 - **Coordinated and delivered more than 30 community engagement and education events** designed to promote the ecological values of Ramsar 482 and encourage the wise use of the wetlands according to the Wetlands and People Plan.
 - Major events were:
 - **The 2021 Wetlands Weekender**, celebrating World Migratory Bird Day **October 2021**. Events included a flyway-inspired dinner / conference featuring guests from various locations on the East Asian Australasian Flyway; tours of the estuary by boat and the Creery Wetlands by foot, the ‘Pave the Way’ clean up event and a mini-festival ‘Wonders of our Wetlands’ at the Coodanup Foreshore. **More than 1000 people attended across the weekend.**
 - **Lake McLarty Open Day** (with Friends of Lake McLarty and State NRM-funded Saving Lake McLarty project) – 16 October 2021, **attended by approx. 220 people**
 - **The National Shorebird Count** in January 2022 in partnership with BirdLife and Mandurah Bird Observers which involved **facilitating shorebird identification workshops for 21 new volunteers** with Ornithological Technical Services providing the key trainer, and coordination of the count program (see also 2. Shorebird ID Training and National Shorebird Monitoring Program).
 - **Three excursions** with Year 1 to 6 students (250 students) from **Greenfields Primary School** discovering Ramsar 482 and engraining the “Wise use of our Wetlands’.
 - The **Clean Up Peel Waterways event** throughout March each year involving more than 20 teams cleaning up various sites across the Ramsar Wetland.



More than 700 people celebrated the values of Ramsar 482 at the Wonders of Our Wetlands mini-festival at Coodanup Foreshore (8 October

- iii. Assess Ecological Character & Address Key Knowledge Gaps (coordinated by Rick James and Steve Fisher)
 - Continued the surface water quality (and quantity) **monitoring program for the Yalgorup Lakes** – monthly in-situ measurements of Electrical Conductivity, pH, Dissolved Oxygen & temperature; quarterly determination of ionic balance; biannual determination of nutrients (to December 2021)
 - **Installed groundwater monitoring bores at Lake Clifton** (December) and **Lake McLarty** (April) to underpin hydrological investigations at both hydrology of these lakes.
 - Completed an **assessment of acid sulfate materials**, stratigraphy and groundwater hydrology at **Lake McLarty** (October 2021)
 - **Commenced hydrological investigations at Lake Clifton** (March 2021)



Installing groundwater bores at Lake Clifton as a precursor to hydrological investigations

- iv. On-ground priority actions (coordinated by Jo Garvey, Steve Fisher and Mike Griffiths)
 - Highlights include:
 - **Carried out 68.5 hectares of initial weed control** at priority sites on the Ramsar Site including cotton Bush and spiny rush in the Yalgorup National Park near Lake Preston.
 - **Follow up weed control** over an area of **134.5 ha**.
 - **Feral animal control** (pigs, foxes) over **123 ha** near Lake Preston.
 - **Access control** (fence and gates) at McLarty Nature Reserve protecting an area of **28 ha**.
 - Undertook the following Community Engagement – on ground works projects
 - Carried out **weed control works** including cotton bush, Brazillian Pepper, Wild Fig and Cape Tulip on **four privately owned landholdings** adjacent to the Ramsar 482 Site, coordinated with weed control work on Ramsar 482.
 - Provided **weed control and seedlings** to assist the **Friends of Samphire Cove** in restoration activities on their patch
 - Assisted the WA Fairy Tern Network with the **creation of a Fairy Tern nesting site** on Boundary Island (Peel Inlet) through weed control, provision of shell grit and installation of camera mounts



Removal of Brazilian Pepper thickets up to 4 metres high with heavy machinery near Lake Clifton

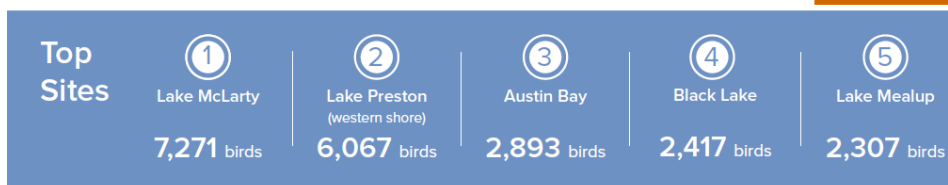
2. Shorebird ID Training and National Shorebird Monitoring Program (Charlie Jones)

- PHCC facilitated the annual **Shorebird identification training and count** for the Peel Region (see Wetlands and People – Community Engagement above). Run each year in January BirdLife’s National Shorebird Monitoring Program is the largest Citizen Science Program in Australia. This year 81 volunteers participated in the count on the weekend 28 & 29 January. **See the infographic below for a summary of the results.**

2022 Annual Shorebird Count Peel-Yalgorup System (Ramsar 482)



As part of BirdLife’s Australian Shorebird Monitoring Program, teams of volunteers work with the Peel-Harvey Catchment Council to conduct the annual shorebird count in Ramsar Site 482, the Peel-Yalgorup System. Skilled citizen scientists count waterbirds, including shorebirds, at sites around the system. Count areas include the Peel-Harvey Estuary, Yalgorup Lakes, Lake Mealup and Lake McLarty as well as Goegrup and Black Lakes. Data collected are invaluable for local, national and global waterbird monitoring, and demonstrate that the Peel-Yalgorup System continues to meet criteria as a Wetland of International Importance for the Ramsar Convention on Wetlands.



birds@peel-harvey.org.au
 Learn more about shorebirds
 birdlife.org.au/projects/shorebirds
 Australian Government National Landcare Program
 This initiative is supported by PHCC through funding from the Australian Government's National Landcare Program

Summary of results from the 2022 National Shorebird Count for Ramsar Site 482

3. Healing Bilya - Restoring the Serpentine and Murray Rivers (2021-2023, Jesse Rowley & Bec MacKenzie)

- PHCC secured funding from the Alcoa Foundation in November 2020 to extend the Restoring the Serpentine River project for a further three years (to December 2023) to **implement actions from the Serpentine River Action Plan and to expand activities into the Murray River**, including updating the River Action Plans for the Murray River. Highlights from the past 12 months include:
 - **Completion of field assessments** of the Lower Murray River and Upper Murray River upon which the **River Action Plans** for each will be based
 - collaborated with Birdlife WA and the Shire of Murray to **plant 3,000 seedlings** along the foreshores of the **Murray River** (at Birmingham Way).
 - **installed 1.2 km of fencing** (i.e. 600 m either side of Hymus Creek to join up with 1.6 km of fencing installed by the landholder. **Planted 4300 seedlings over 12.5 ha along this protected corridor.**
 - Undertook weed control of dock, Watsonia and Cape Tulip 5.7 ha) adjacent to the Serpentine River in Karnup
 - Arranged for the **Winjan Rangers** to undertake control of **50 ha of cotton bush** on privately-owned property along themed Murray River (November 2021).
 - Undertook **feral pig control** across the Serpentine River corridor at Keralup, resulting in removal of 37 pigs in December 2021.



Winjan Rangers undertaking cotton bush control to improve the health of the Murray River

4. Peel-Harvey Estuary Grants (2018-2021, Steve Fisher, Jesse Rowley & Jo Garvey)

- This project, funded by the Western Australian Government (DPIRD) aims to improve the health of the Peel-Harvey Estuary by improving fish habitat or abundance in our rivers. The project concluded in 2021 with the following activities:
 - The **release of more than 7000 black bream juveniles** into the Murray River in November 2021, bringing the total number to **approx. 10,000 aquacultured fish released** over the three years of the project.
 - In partnership with **Harvey River Restoration Taskforce**, who delivered the project, Greening Australia, Water Corporation and DWER, completed **installation of logs into the Lower Harvey River** to provide habitat for native fish as part of their Demonstration Reach project.



Installation of logs into the Lower Harvey River by the Harvey River Restoration Taskforce creates habitat for native fish

5. Shire of Murray Annual Funding (2019-2024, Jo Garvey & Jesse Rowley)

- In 2021, the annual funding was used to construct an **Interpretive Flora Trail**, which included 171 native plants comprising 30 local species, planted by GP Forestry and the Winjan Rangers
- The **Shire of Murray** together with the **Bindjareb Noongar community** will design and implement **interpretive signage** to complement the trail and to educate the community on the spiritual connection the Noongar community have to the Murray River



6. Saving Lake McLarty (Phase 1): Addressing acidification, hydrology and habitats (2019-2022, Rick James and Jennie Beeson)

- This project is funded through the State NRM Program Community Stewardship Grants and includes on-ground works and investigations to **better understand the decline in water levels** and mitigate risks of formation and **oxidation of acid sulfate materials** and increasing terrestrialisation of the lake. The proposed works are in accordance with the Lake McLarty Action Plan, developed by PHCC in collaboration with the Friends of Lake McLarty, DBCA and the Lake McLarty TAG.
 - Completed the '**Flow Augmentation Feasibility Study of Lake McLarty**', investigating alternative water sources to extend the hydro-period of the lake.
 - Commissioned **investigations of Acid Sulfate Soils, stratigraphy and groundwater monitoring** bores through a drilling program undertaken in April 2021. A monitoring program has been developed and implemented for these bores.



Investigating the sediment profile and measuring groundwater levels and chemistry at Lake McLarty

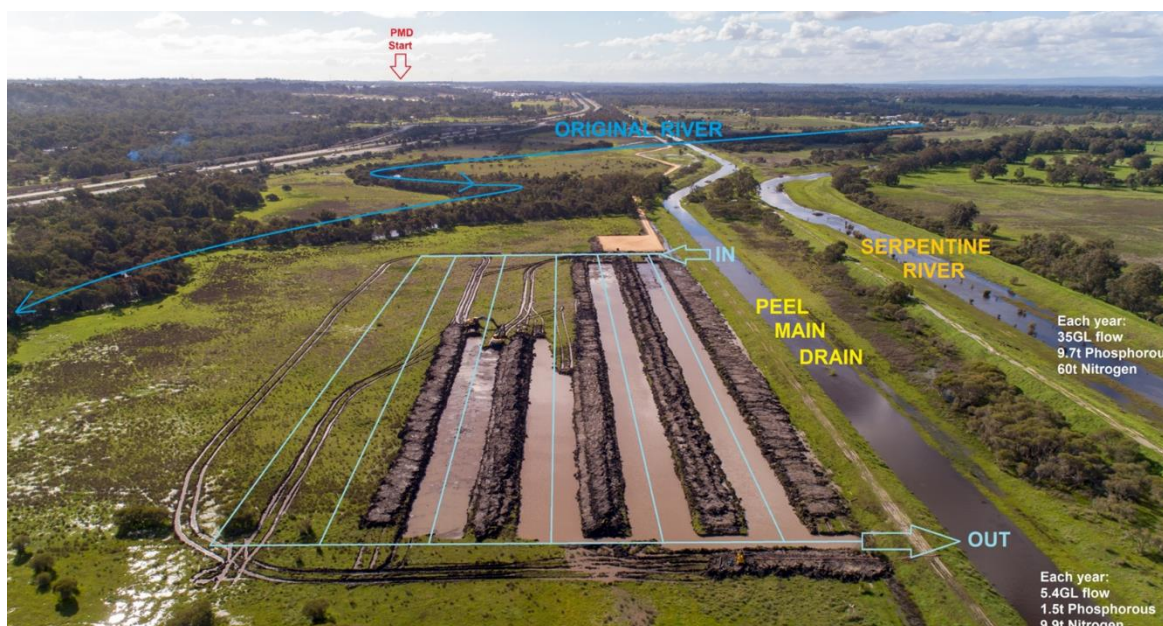
7. Peel Main Drain Water Diversion Trial (2021-2022, Peter Muirden & Steve Fisher)

- This project involves **diverting water from the Peel Main Drain into a series of swales** where the water is treated to **remove phosphorus** then diverted back into the drain. The project, funded through the Regional Estuaries Initiative commenced in 2016 with the infrastructure completed in 2021 (including a weir).
- In December 2021, **water was diverted into the swales for the first time** to test their performance under low flow conditions. **Preliminary results indicated a reduction in phosphorus.** Further trials

during the late winter early spring of 2022 will provide more information on the effectiveness of the treatment



The weir constructed in the Peel Main Drain (shown above) diverts water into the treatment swales (below) designed to remove phosphorus from the drainage water



8. Peel Waterways Research Infrastructure Project (2021-2024, Jennie Beeson & Renee Barton)

- This purpose of this project, funded by the WA State Government through Royalties for Regions is to **provide research and community engagement infrastructure and equipment** to facilitate on-going **scientific research and monitoring** activities on the Peel-Harvey Waterways.
- Infrastructure items include:
 - A **demountable building** located adjacent to the Peel Main Drain water diversion trial site to support water quality monitoring and other activities
 - A second demountable building located elsewhere in the Ramsar Site
 - A **mobile laboratory**

- Two River Health Assessment Trailers
- A Science Community engagement trailer
- Equipment to enable scientific research and community engagement at each
- We have purchased the mobile laboratory and are working on design specifications for the first demountable building to be installed at the Peel Main Drain.



A stylised version of the mobile laboratory

9. Healthy Estuaries WA (2021-2024, Renee Barton, Bec MacKenzie & Jesse Rowley)

- This State Government commitment is designed to improve water quality and restore the environmental balance of south Western Australian estuaries, including the Peel-Harvey Estuary. PHCC's role is to partner with landholders whose land is used for grazing to:
 - fence 40 km of drains and streams to manage access of stock (5 km in 2021/22);
 - revegetate 12 ha adjacent to waterways to improve their condition (0 km in 2021/22); and
 - recruit a minimum of 77 landholders to participate in a soil testing program aimed at reducing application of fertiliser and export to waterways (cumulative total 47 Expressions of Interest)
- The project is on track on meet its targets for 2021/22.
- PHCC also contracted to deliver an annual community science update in partnership with the Department of Water and Environmental Regulation. We delivered the first of these in December 2021.



This drain is a good candidate for fencing to manage stock access

10. Point Grey Marina Proposal (Steve Fisher & Jane O'Malley)

- The Shire of Murray referred an amendment to the Town Planning Scheme **to remove a marina as a discretionary land use** to the WA Planning Commission who in turn supported the recommendation and referred it to the Minister for Planning.
- In December 2021, the **Minster approved this amendment, effectively sinking the proposal to build a marina at Point Grey.**



Point Grey Marina and Channel quashed in monumental win for Peel-Harvey Estuary and its community

11. Ramsar 101 Master Classes (Steve Fisher)

- PHCC continued this initiative by **delivering a series of presentations** giving an overview of the ecological character of the Peel-Yalgorup System Ramsar Site (Ramsar 101), the threats and threatening processes to these values and the research, science and on- ground works currently underway to address these threats. Presentations were made to the following audiences:
 - Dolphin Watch information and training session (March2021).
 - Mandurah Probus Club (April 2021)
 - Field tour to the Thrombolites, Australian Association of Environmental Educators Conference (September 2021)
 - Wetlands Weekender Estuary Cruise (October 2021).
 - Wetlands weekender, Science Café (for Peel Bright Minds)
 - Peel Regional Water Supply Initiative Workshop (October 2021)
 - Water research Infrastructure Project branding workshop (November 2021)
 - Healthy Estuaries WA Forum (December 2021)
 - WA Wetlands Conference (February 2022)
 - City of Mandurah Council Briefing (March 2022)
 - Three excursions with Greenfields Primary School.



Greenfields Primary School Students on their excursion to Lake Clifton thrombolites

Steve Fisher
Operations Manager, Science & Waterways

We acknowledge the Noongar people as Traditional Custodians of this land and pay our respects to all Elders past and present

GOALS, STRATEGIES & ACTIONS

Peel-Yalgorup Ramsar Site Management Plan July 2009

RECOMMENDATIONS	PRIORITY	KEY STAKEHOLDERS	ACTIONS/STATUS
Strategy: Peel-Yalgorup System 'management advisory group' established with formal support and representation from federal state and local government, industry and community stakeholders			
Establish and support a Technical Advisory Group. The Technical Advisory group will: <ul style="list-style-type: none"> • Provide technical advice regarding on going management of the Ramsar Site and assessment of management techniques • Comprise representatives from all key stakeholder groups including primary stakeholders and local government stakeholders and catchment management organisations • Have written support of State and Local Government stakeholders 	High	All primary and local government stakeholders PHCC	Ongoing - PHCC-The Ramsar TAG was established in 2001 and has met at least once per year since then, with the exception of 2020. The group is currently considering its function in protecting the Ramsar Site and perhaps a change of name to suit..
Coordinate regular (at least every six months) management advisory group meetings	High	PHCC	Not achieved - PHCC - Advisory groups have met separately from the TAG annual meetings as required. Most recently in June 2021 to consider Climate Change adaptation, then before that in November 2019 to inform the addendum to the Ecological Character Description of the site
Strategy: Review the boundary of the Peel-Yalgorup System to ensure maximum protection of the System's ecological, socio-cultural and economic values			
Establish a zoning plan to protect the ecological and socio-cultural values of the Peel-Yalgorup System	High	All primary stakeholders	No progress - PHCC
Seek funding for the production of a management plan for Aboriginal and European heritage in the Peel region (as per Goegrup and Black Lakes Action Plan Recommendation 52)	Medium	SWALSC and an appropriate Peel Region Aboriginal Group with input from regional elders	

GOALS, STRATEGIES & ACTIONS

Peel-Yalgorup Ramsar Site Management Plan July 2009

Establish guidelines for reviewing the boundary of the Peel-Yalgorup System before preparing a proposal to the Western Australian State Government	High	PHCC, Shire of Murray, City of Mandurah	Partially achieved - PHCC and DBCA have meet at irregular times over the past two years to work through a process to amend the current boundary of the Ramsar Site so it accurately reflects cadastral boundaries and land tenure.
Strategy 4: Prepare new or revise existing environmental guidance for land-use planning and environmental impact assessment at all levels of government decision-making (Local, State and Australian Government)			
Peel region scheme text amended or subordinate planning tool prepared to give greater protection to the ecological socio-cultural and economic values of the Peel-Yalgorup System	Medium	DPLH	
State government formally adopt guidance for determination of wetland buffers	Medium	DPLH, DBCA	
Incorporate key international and national Ramsar site management obligations and recommendations in local planning policies and strategies in the Shires of Murray, Waroona and Harvey and the City of Mandurah	High	PHCC	Little progress – PHCC_ , however, the Shire of Murray recognised the importance of Ramsar Site 482 in amending its Town Planning Scheme to remove a marina as a discretionary land use at Point Grey. City of Mandurah’s Strategic Community Plan 2020-2040 includes Protect and manage our local natural environment and ensure that our actions to manage land based assets don’t adversely impact our waterways.
Prepare strategic assessment guidelines for matters of national environmental significance associated with the Peel-Yalgorup System	High	DAWE	
Strategy: Review groundwater resource allocation: Lake McLarty System and Yalgorup Lakes			
Undertake regional scale hydrological assessment surrounding the Lake McLarty System	High	DWER	Partial – PHCC-groundwater monitoring bores were installed and soil cores collected in transects across Lake McLarty in 2021 through the State NRM-funded ‘Saving Lake McLarty – addressing acidification, hydrology and habitats managed by PHCC. Monitoring of groundwater levels and chemistry

GOALS, STRATEGIES & ACTIONS

Peel-Yalgorup Ramsar Site Management Plan July 2009

			currently undertaken through the NLP/RLP-funded “Wetlands & People” project managed by PHCC.
Review groundwater allocation limits in the Southwest regional groundwater area (Lake Clifton subarea)	High	DWER	
Strategy: Protect good condition fringing and terrestrial environments			
Undertaken high priority site-specific management actions (see ‘Wetland Action Plans’ and ‘Other Plans’)	High	-	Ongoing – PHCC has undertaken on-ground actions including weed control, access control and pest animal control through the Australian Government-funded Wetlands and People project to protect an area of approximately 1700 ha (2019-2022) of upland areas of the Ramsar Site 482.
Undertake further investigation into nutrient concentrations and eutrophication risk at Goegrup and Black Lakes.	High	SWALSC, DWER	
Establish tourism and recreational carrying capacity of the Peel-Waterways	Medium	DWER , DPLH	
Control Typha at Lake Mealup	High	LMPS, PHCC	
Prepare and implementation an Interim Management Guideline for Lake Mealup	High	LMPS, DBCA	
Determine cause and extent of acid drainage in the Peel-Harvey estuary	High		Complete / Ongoing? – PHCC- Investigations of the impacts to the Peel-Harvey Estuary were undertaken by DoW (now DWER) through the Tackling Acid Sulfate Soils on the WA coast Project e.g. Kilminster, KL 2010, Sediment quality in three south-western Australian estuaries, Water Science technical series, Report no. 18, Department of Water, Western Australia.

GOALS, STRATEGIES & ACTIONS

Peel-Yalgorup Ramsar Site Management Plan July 2009

			Through the Saving Lake McLarty project, we now have a better understanding of the risk of acid sulfate drainage at Lake McLarty.
Collect baseline data on nutrient concentration in Yalgorup Lakes and McLarty System	High	DBCA, PHCC	<p>Ongoing – PHCC- Through the NLP/RLP- Wetlands and People project PHCC implemented a monthly surface water quality sampling program of all of the Yalgorup lakes 2020-2021, including determination of nutrients at a quarterly frequency at Lake Clifton. Data summarised but not fully interpreted. This will be extended to include groundwater analyses from 2022 onwards. (</p> <p>Ongoing – PHCC- Water quality parameters, including nutrient concentrations were determined in surface water and groundwater at Lake McLarty by DBCA and PHCC through the State-NRM-funded Saving Lake McLarty project 2019-2022.</p>
Investigate cattle grazing as a management tool for Lake McLarty	Medium	DPIRD, DBCA	
Strategy: Reduce nutrient loads to the Peel Harvey Estuary and Goegrup & Black Lakes by 50 % of 2009 levels			
Implement recommendations of the Water Quality Improvement Plan for the Rivers and Estuary of the Peel-Harvey Catchment – Phosphorous Management (EPA 2008)	High	-	
Strategy: Economic valuation of the Peel-Yalgorup System			
Undertake a wetland valuation session to improve knowledge and communication of wetland values	Low	PHCC	Partial – PHCC- An economic valuation was undertaken in 2010 (by ECS consulting) commissioned by Peel Development Commission based on the value of assets e.g. lands, houses, boats and not on the natural assets and ecosystem services.. This was updated in 2019 (ECS, 2019),

GOALS, STRATEGIES & ACTIONS

Peel-Yalgorup Ramsar Site Management Plan July 2009

			<p>PHCC and PDC performed an analysis of the economy and employment opportunities supported by the Peel-Harvey Waterways in 2020 (Business Case for the Water Research Infrastructure Project) using Remplan.</p> <p>PHCC is currently planning a business case for restoration of the Peel-Harvey estuary and catchment, part of which will include valuation of the natural assets and ecosystem services.</p>
Strategy: Catchment scale behaviour change investigation			
Scope options for a large scale behaviour change project to improve stewardship and conservation of local wetlands and waterways	High	PHCC PDC	Partial – PHCC produced the Wetlands and People plan for the Ramsar 482 Wetlands (2016) and have implemented some of the key actions to bring about behaviour change through the NLP/RLP ‘Wetlands and People’ project –see below.
Strategy: Strategic awareness raising project			
Prepare a communication, education and public awareness raising (CEPA) strategy to promote the international importance of the Peel-Yalgorup Ramsar Site, and our commitments to the Ramsar Convention for wetland ‘wise use’.	High	PHCC, DAWE, DBCA, DWER	Complete - PHCC has published the Wetlands and People Plan a CEPA plan for Ramsar 482 (2016)
Implement high priority CEPA actions, as per CEPA strategy.	TBD*	To be determined	On-going - PHCC have implemented priority actions of the CEPA Plan for Ramsar 482 plan through the Wetlands and People project.
Prepare a report card to the local community on the current status of ecological health of the Ramsar site	High	DBCA, DWER, PHCC	On-going - PHCC prepared a baseline report card for 2018 based on compliance with Limits of Acceptable change.
Provide capacity building support to local volunteer community groups, particularly for waterbird monitoring (see ‘Monitoring and Evaluation Guide for the Peel-Yalgorup Ramsar Site’)	High	PHCC, community groups	On-going - PHCC has organised and facilitated the National Shorebird Count annually since 2010 in collaboration with the Mandurah Bird Observers group and Birdlife WA. This includes engaging community volunteers and providing training in

GOALS, STRATEGIES & ACTIONS

Peel-Yalgorup Ramsar Site Management Plan July 2009

			waterbird identification through Ornithological Technical Services.
Foundational activities: establish a comprehensive baseline data set			
Implement recommendations of the 'Monitoring and Evaluation Guide for the Peel-Yalgorup Ramsar site', including monitoring coordination and data storage.	High	DBCA, DWER, Mandurah Bird Observers, Birds Australia, WA Wader Studies Group; WAMSI, DPIRD, PHCC	Ongoing - PHCC - Filled gaps in monitoring performance against LACs including for Fish communities (2021 estuary); water quality and hydrology (Yalgorup Lakes, Lake McLarty 2020-2022); acid sulfate materials (Lake McLarty, 2021); Fringing vegetation (Ramsar Site, 2021) through 'Peel-Harvey Estuary Grants' (WA Government; 'Wetlands and People'; Healing Bilya (Alcoa Foundation, 2021); and Saving Lake McLarty (State NRM) projects.
Report monitoring results against limits of acceptable change to Technical Advisory Group, Australian and Western Australian Governments and other stakeholders where appropriate (e.g. local governments).	High	DBCA, DAWE, PHCC	Ongoing - PHCC Collected this information in 2018 to produce the Ramsar 482 Baseline Report Card.
Prepare an action strategy for components and processes reported to be outside the relevant limits of acceptable change (as per 'Monitoring and Evaluation Guide for the Peel-Yalgorup Ramsar Site')	High	DBCA, DWER, PHCC, DAWE	No progress - PHCC
Undertake a management effectiveness assessment and report achievement of management plan recommendations to Technical Advisory Group.	High	PHCC	Partial – in 2017 PHCC collected information from TAG members of condition of the Ramsar Site against LACs. Through this current exercise (2022) we are attempting to measure performance against LACs
Review the prescribed limits of acceptable change using first year monitoring data.	High	DBCA, DWER, PHCC	Partial – LACS reviewed in the Draft Addendum to the ECD
Review management plan recommendations and revise when necessary, releasing new amendments to the management plan as updated 'versions' where required.	High	DBCA, DWER, PHCC	No progress

GOALS, STRATEGIES & ACTIONS

Peel-Yalgorup Ramsar Site Management Plan July 2009

If the above doesn't apply to you, as an alternative please give a brief summary in the space below of your major achievements contributing to improved management or condition of your patch of the Ramsar Site. e.g. (restoration activities, community engagement, filling knowledge gaps) since the most recent Peel-Yalgorup Ramsar TAG meeting in 2021.

Your Name :	Your Organisation

GOALS, STRATEGIES & ACTIONS

Peel-Yalgorup Ramsar Site Management Plan July 2009