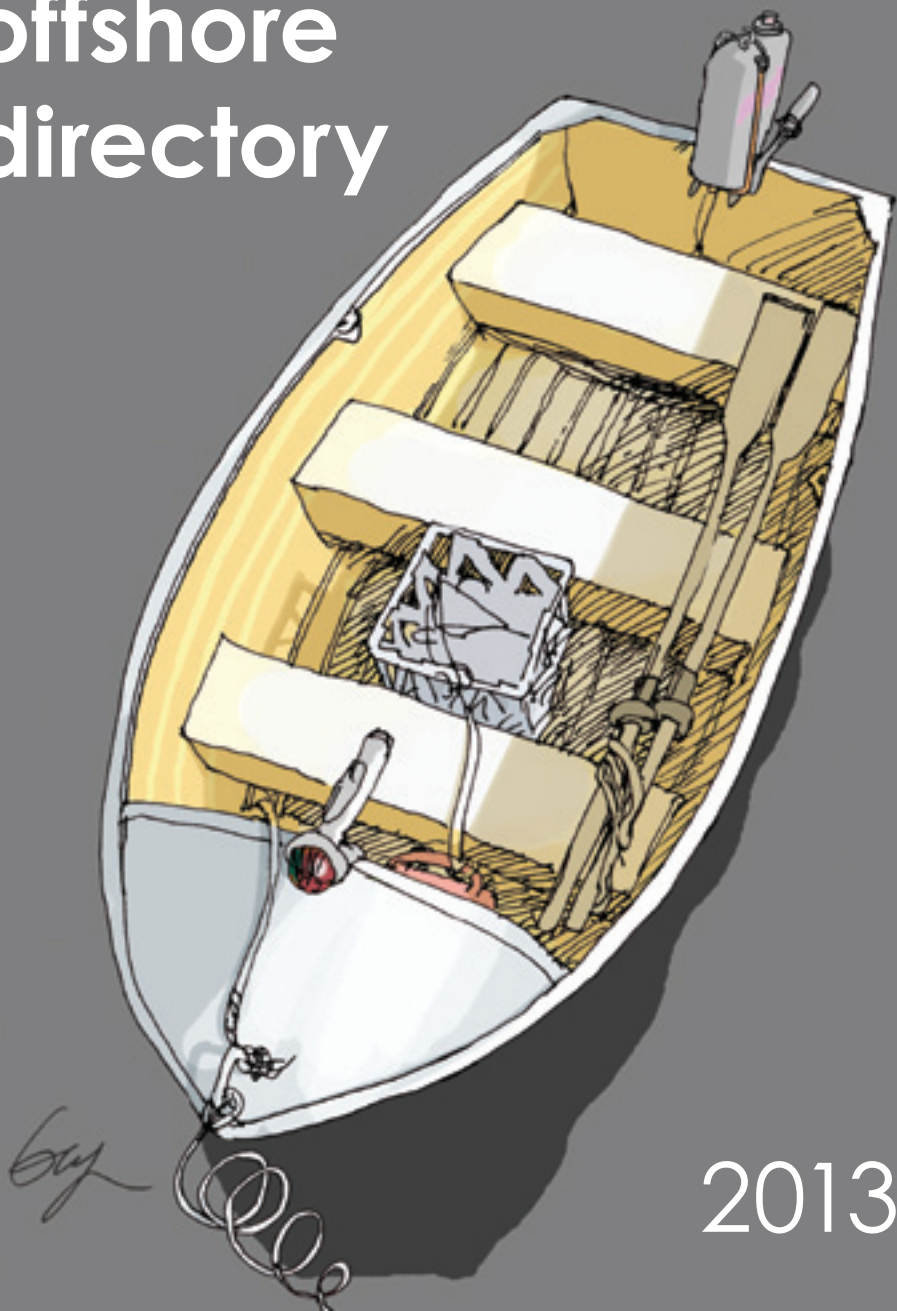


pittwater offshore directory



2013



CHURCH POINT FERRY SERVICE

A SAFE, FRIENDLY SERVICE FOR THE COMMUNITY

We've ferried passengers in Pittwater for almost 70 years. Ride with us!
Say good day to your neighbour and support a vital community service.

Reduce your carbon footprint...catch the ferry!



Try chartering a ferry big or small for your next party!

PO Box 243, Church Point NSW 2105

Ferry Master 0408 296 997 Administration 0433 038 408

www.churchpointferryservice.com info@churchpointferryservice.com



Photo by Sam Collins

welcome

Welcome to the Pittwater Offshore Directory 2013. SIRA has great pleasure in publishing the Fifth Edition of Pittwater Offshore Directory which is delivered to you free-of-charge. A wide range of products and services listed includes updated telephone listings, advertisements, community information and reference material ranging from environmental issues to fire awareness.

A new look

Your directory's new look is the work of Jane Wood, Graphic Designer, and for the first time features colour coded sections for easy reference. Our regular artistic contributor to the Pittwater Offshore News, Gwyn Perkins, has provided a crisp new cover, and our wonderful Island photographers, Sam Collins, Tracy Smith and Nathalie Muir, have contributed images of our local area and the community.

Acknowledgements

We are grateful to our dedicated volunteers who have worked together to create this edition, in particular:

- Deryn Vokins, General and Advertising Editor

who has done the sums and sold the advertising space that provides a free directory delivered to all off-shore residents.

- Shar Jones and Jane Wood, Content Editors.
- Cass Gye and Paul Purvis who updated the phone directories.
- All the many contributors of new copy.

A big thank you to the advertisers who have made it possible for us to provide this resource at no cost.

Unless you want to keep it as a collectors' item you can throw out your old edition with the next recycling collection.

Judy Readman,
President, SIRA



2013 Pittwater Offshore Directory

Photo by Tracy Smith

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2013 Pittwater Offshore Directory

Editor:	Deryn Vokins
Advertising Editor:	Deryn Vokins
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Telephone Listings:	Cass Gye and Paul Purvis
Distribution:	Jasmine and Harry Hall



pittwater 1938

Joan and Vince Courtenay – Grandparents and Great Grandparents of current Island residents. Photo supplied by Sam Collins

from

settlement

until

today

timeline

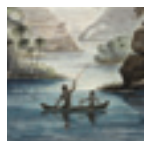


Traditionally the home of the Guringai people whose artwork can still be seen in Ku-ring-gai Chase National Park, Pittwater has enjoyed a colourful history. With the arrival of the first Europeans in the late 1700s, it was initially a lawless land of pirates, bushrangers and rum smugglers.

From 1810 Aboriginal lands were granted to pardoned convicts and free settlers. Some land was cleared for cultivation and to provide timber for building and fuel. Later in the century Pittwater became a farming district, grazing

sheep, cattle, horses and pigs and producing butter, milk, vegetables, fruit and wheat.

With the improvement of roads in the mid 20th Century, an increase in permanent residents in the area closely followed. Today, people who call Pittwater home are very much aware of the need to nurture the environment, safeguard native flora and fauna, protect the legacy of Aboriginal culture and respect the sparkling, clear waters of Pittwater so this very special place may be enjoyed by residents and visitors alike.



Mitchell Library

1788
Europeans arrived in NSW and began to displace Aboriginal communities, including the Guringai people who had lived in Pittwater for thousands of years.

1780

1788
Pittwater explored by Governor Phillip who named it and Pitt Island at its southern end after the British Prime Minister at the time, William Pitt. He declared the area "The finest piece of water I ever saw, and which I honoured with the name of Pitt Water".

1789 – 1790

Aboriginal population decimated by European diseases to which they had no immunity. Many moved away to Sackville.

1790

1790 – 1880s
Access to Pittwater by ship to Barrenjoey.

1793 – 1800

The first regular water transport across Pittwater was the cutter *Francis* which carried settlers and produce from Sydney.

1797

Andrew Thompson received an absolute pardon. He built the first toll bridge at Windsor, established a brewery, managed Governor Bligh's Hawkesbury farms, owned ships, a tannery and salt works.

1800

1792
Nineteen-year-old Scotsman Andrew Thompson arrived in Sydney as a convict. He was sentenced to 14 years transportation for the theft of cloth, valued at about 10 pounds.



1803

To reduce the risk of piracy, Coasters' Retreat used for forming convoys of ships and trimming cargoes on the *James*, the *Edwin*, the *Union* and the *Argument*.

1804
Survey of Pittwater by Governor Hunter.

1806
Andrew Thompson established salt works on Pitt Island, extracting 90kg of salt per week from sea water.

1810

First land grant in Pittwater. Pitt Island granted to Andrew Thompson, as a reward for his rescue work during the Hawkesbury flood. Probably re-named Scotland Island after his homeland. He established a ship yard and built the *Geordy*, launched in November 1810 shortly after his death, and wrecked at Port Davey in 1816.

1810

1810 – 1900
Scotland Island sold several times during the nineteenth century.

1814
The land that now comprises Mona Vale was granted to Robert Campbell.

1819
Constable appointed to bring law to Pittwater.

1820s

Bushrangers were becoming an increasing problem in the Pittwater area.

1823

First Land Grant at Mackerel Beach to John Clarke who had a dairy farm, later sold to Martin Burke, known as 'The Father of Pittwater'.

1820

1821
One of the first settlers of Bayview, Patrick Bryan, built a house on the current site of the Bayview Golf Links.

1830

Catholic priest, Father John Joseph Therry received a large land grant including what is now known as Clareville.

1830

1829
James Jenkins established Cabbage Tree Hill farm on 350 acres at Warriewood.

1832
The southern end of Palm Beach marked as Cabbage Tree Boat Harbour on a map. Palm Beach was later renamed after the Cabbage Tree palms growing in the area.

1836

Lovett Bay named after John Lovett who settled there.



Pittwater Library

1840

1842

William Oliver established a farm at Rocky Point between Elvina and Lovett Bays.



Pittwater Library

1843
Customs House built in Pittwater at the base of Barrenjoey to limit rum smuggling. It became a communication centre with the establishment of a telegraph link in 1869.



Pittwater Library

1852

Thomas Langford, the first settler of the area now known as Church Point, acquired 40 acres of land.

1850

1850 – 1890
Road and rail construction through the region saw shipping in Pittwater decline as a transport medium.

1855
First reported light on Barrenjoey headland, with a fire raised in a basket to assist mariners during stormy weather. Broken Bay and Pittwater were a safe haven for vessels carrying coal from Newcastle.

1860



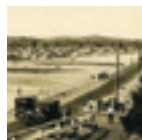
Pittwater Library

1864
Prince Alfred Yacht Club formed and named to commemorate the visit of HRH Prince Alfred, Duke of Edinburgh.

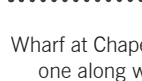


Pittwater Library

c.1870
Church and school built at Chapel Point (now Church Point) on the land donated by William Oliver, using timber provided by his brother-in-law Peter Duffy of Duffy's Forest.



1880
Narrabeen Bridge built across lagoon allowing travel by coach from Manly to Pittwater.



1885
Wharf at Chapel Point replaced with wider one along which carts could be driven.



1888
Chapel Point renamed Church Point.

Pittwater Library

1894
Ku-ring-gai Chase National Park established.

1899
Dymock's Guide to Sydney and NSW contained a map of Ku-ring-gai Chase.

1870

1864
William Oliver granted 66 acres of land on what is now known as Church Point headland. He donated an acre of this land for a cemetery, school and church.

1869
Western Foreshore Bays surveyed.

1872
Net installed at the Basin.



1880

1881
Barrenjoey lighthouse built using sandstone quarried on site.



Pittwater Library

1886
The Rock Lily Hotel in Mona Vale opened, providing a rest stop for coach travellers from Manly.

1890

1890s
Pittwater a playground for the wealthy. New transport brought picnickers and campers to the area.



Pittwater Library

1895
Men employed by the Ku-ring-gai Chase National Park Trust built a stone causeway, a wharf and several miles of pathways in Lovett Bay.

1900

1900
An explosion followed by a fire destroyed the ornamental roof of the Barrenjoey lighthouse oil house. Fortunately it was subdued before reaching the tower.

1906
Local government established. Warringah Shire Council formed as a 'rural outpost of Sydney,' for the Northern Beaches area.

1911
Census counted 2,823 people living in 700 households across the Northern Beaches



Pittwater Library

1914
Scheduled shipping services ceased in Pittwater.
Bonnie Doon Wharf built at Coasters Retreat.

1920
Subdivision at Mackerel Beach.
First public wharf, Cargo Wharf, built on Scotland Island.

1924
Second subdivision and first major land sale on Scotland Island. Streets named after the developer's family members.

1928
West Head resumed by the Australia Military Forces for defence purposes.

1932
Church at Church Point demolished. Only the cemetery remains and original settler, William Oliver, and his wife, Mary, are both buried there.

1938
Current premises of RPYC opened.

1910

1901
Roadway built from North Turramurra to Bobbin Head. Another road was built from Mt Colah station to Bobbin Head in 1903, providing a circular drive through the park.

1906
First subdivision on Scotland Island. Lots advertised for sale and a few houses built.

1909
Post Office and store opened at Church Point.



Warringah Library

1916 – 1919
First bungalows built at Palm Beach.

1919
WJ Goddard & Sons establish general store, marine and ferry services at Palm Beach.

1922
The *Curlew* built at Long Jetty by Percy Duncan for the Long Jetty Ferry Service.




Church Point Ferry Service

1928
Goddards built ferry *Elvina*, surveyed to carry 27 passengers and now believed to be the longest serving ferry in NSW.




1939
A wildfire in Ku-ring-gai National Park caused a fire that burned Scotland Island. Cleared firebreaks around the few houses and heavily cleared grazing land prevented heavy property loss.


1940 – 45
Fortifications and gun emplacements built at West Head. The *Elvina* transported troops to the gun emplacements.

Pittwater Library

1946
Ferry services from Church Point established.


1949
Labour Council of NSW buy Currawong.

1950
Increase in permanent residents around Pittwater which became predominantly residential.


1955
Formation of Scotland Island Progress Association, instrumental in securing electricity supply and forming Volunteer Fire Brigade.


1960s
Beginning of increase in permanent residents on Scotland Island.


1966
Proposal to split Pittwater from Warringah Shire.

1970
Early 1970s The Pittwater Ferry Wars, starring the *Curlew*, became big news. Reported in the national newspapers and featured on the ABC's Today Tonight, for a short time Church Point and the Pittwater ferries were the talk of Sydney.

Chris Cooper

1942
Port Jackson and Manly Steamship Co purchased Palm Beach business from WJ Goddard & Sons. Over the next few years they also acquired additional ferries to comprehensively service Pittwater and the Hawkesbury, Currawong estate at Little Mackerel Beach and Narrabeen Ice Works.

1951
Church Point Ferries bought by EH Caldwell who began trading under the current name. West Head added to Ku-ring-gai National Park.


1955
First fire station at Tennis Wharf was constructed by volunteer labour and also used for meetings, functions, Sunday school, pre-school and ballet.


1962
Electricity supply to the Island was officially turned on. This advancement enticed new residents to the area, with existing residents encouraged to have their houses wired.

1967
Scotland Island residents vote against a levied town water and sewage system.

1974
Inaugural Christmas Eve Dog Race from Bell's Wharf to Church Point, won by Chris Cooper's dog, Mandy.

c.1980
Woody point Yacht Club formed

1980
Opening of Scotland Island Community Hall at Catherine Park, built over four years by volunteers with materials provided by Pittwater Council.

Leicester Warburton


1981
New Scotland Island Fire Shed completed. Fund-raising keeps the Brigade running and ensures the most up-to-date equipment.

1980s
Four commuter wharves built on Scotland Island.

1988
Warringah Shire Council set charges for emergency water on Scotland Island.

1990
Pittwater Council established.


1991
First election for Pittwater Councillors. Council appointed Water Monitors for emergency water supply on Scotland Island.


1994
Ten houses at Lovett Bay and one at Elvina Bay lost in massive Ku-ring-gai National Park bushfire.

Lesley Woods


1997
One of Scotland Island's original houses, *Yamba*, is rebuilt.

2000
First electronic offshore newsletter, the Pittwater Offshore Newsletter (PON), introduced.

2002
Pittwater Council decided to disconnect Scotland Island emergency water line due to safety concerns. SIRA accepted legal responsibility and upgraded the lines.

2007
Currawong sold to Eco Villages Australia for \$15m after Unions NSW rejected offers of \$30m and \$25m.

Pittwater Library

2010
Woody Point Yacht Club picnic held at Treharne Cove.

Michael Mannington

2011
New Church Point Ferry, the *L Duck*, launched in June, named for the much-loved ferry driver, Lenny Duck, who passed away in May 2011.

Church Point Ferry Service



police

ambulance

fire

maritime

services



It is important to remember when living offshore that essential services are just that little bit further away in times of emergency. We strongly recommend you familiarise yourself with the procedures for accessing these services BEFORE you actually need them as people often panic and think less clearly when in the midst of a crisis.

A key point of difference for offshore emergencies is the reliance on the Offshore Rural Fire Brigades who provide a vital Medivac service which, in turn, coordinates with mainland emergency services.

When dealing with a serious accident, health crisis or the imminent arrival of a new family member, always dial 000 first, then contact your local Rural Fire Brigade for offshore support and evacuation.

It is also advisable to familiarise yourself with the requirements for fire preparedness and the many sources of up-to-date information available through the media and online in the event of a bushfire. Most importantly, ensure your entire family is aware of your bushfire survival plan.



Photo by Sam Collins

police

The Broken Bay Water Police continue to encourage residents to report all crime and other related matters, no matter how trivial. Even trivial information about a suspicious person, object or something out of the ordinary, when added to other reports of crime allows us to build a pattern and possibly perform operations to try and resolve incidents occurring in our area.

Vessel Legal Requirements

As many offshore residents are aware, there has been a rise in the number of boats being stopped in relation to Marine Legislation. We would like to take this opportunity to remind you that all commuter vessels are subject to the same legal requirements as all other vessels on our waterways.

Appropriate navigation lights should be clearly visible at all times between sunset and sunrise or at other times of poor visibility. They are there for your safety.

Boat Licences

If you are the driver of a boat and exceed ten knots you are required to hold a valid licence. If you have any questions relating to your vessels registration, nav light requirements, or licences please call us or the Roads and Maritime Services.

Medical Emergencies

We are continuing to work closely with the Scotland Island Fire Brigade when we are called to offshore medical emergencies.

As in the last issue of the Pittwater Offshore Directory, we request that all offshore residents display both their house and lot numbers (not usually the same) on their properties so that they are clearly visible from the roadway. Without these, it can be very difficult trying to find your homes in times of emergency, especially when it is dark.

Random Breath Testing

Again, we would like to remind all boat users that Random Breath Testing laws do apply on the water.

Random Breath Testing on the water was first introduced back in 2005 with the prescribed concentration of alcohol in the blood and penalties like those for road users – A 0.05 limit for general boating licence holders and 0.02 for Young Adult and Commercial Licence Holders.

If you are driving a vessel under ten knots and do not hold a boat licence, 0.05 will apply.

Others able to be tested under these RBT laws include water ski observers, deckhands as well as all others participating in the operation of a vessel.

special services group nsw marine area command

Broken Bay Water Police Sector

2a McCarrs Creek Road

Church Point NSW 2105

Telephone: 02 9910 7899

Facsimile: 02 9910 7811

Mobile: 0412 162 093

Facebook: Marine Area Command

contacts

Safe Boating

Finally, we would like to remind everyone of the recent changes to lifejacket requirements and that you must always wear a lifejacket when boating alone, day or night. Children less than 12 years-of-age (including babies) must also wear a lifejacket at all times when travelling in a vessel less than eight metres long.

We advise you familiarise yourself with these lifejacket requirements. For full details, please turn to the Boating and Safety section on Page 20 of this Directory. Remember – If you are not wearing your lifejacket, it cannot save your life.

the pudding club

Broken Bay Water Police still operate the long-running 'Pudding Club', catering to the special needs of expecting families.

The more information about your circumstances you can provide us with, the better and faster we can help you if the need arises. This also goes for people suffering from serious medical conditions.

Please call us on 02 9910 7899 or drop into the Station for a chat.



In case of emergency call 000



ambulance

When dialing 000 your call will first be answered by a Telstra Call Centre, who will then ask which emergency service you require. Your call will then be then transferred immediately to the nominated service: Police, Fire or Ambulance. Please familiarise yourself with the following procedures catering for unique circumstances of offshore residents.

In the case of a medical emergency, the NSW Ambulance Control Centre will require you to provide the information listed opposite regarding the location and nature of the incident. Control Centre Officers use sophisticated software to prioritise every call based on questions answered by the caller. They then assign the closest appropriate ambulance utilising GPS tracking technology. Details of emergency and non-emergency calls are transmitted to a mobile data terminal located in the front cabin of the ambulance. This provides paramedics with the relevant patient information before they even reach their destination.

The Ambulance Service will determine the most appropriate response from the information you have provided over the phone, including:

- Provide medical assistance over the phone where required for CPR, childbirth, choking, unconsciousness etc.
- Activate additional services such as the Water Police, Fire Services or helicopter medical retrieval in accordance with their procedures.

If you require medical evacuation from a residence on Scotland Island, please ring the RFS Medivac Team on 9999 4404. It is important to note that making this call is YOUR responsibility. Please advise the Ambulance Service of this action.

It is vitally important to remain calm and relay the relevant information to the Ambulance Service clearly and concisely. Do not hang up until the Operator has obtained all the required information.

Offshore emergency procedures

1. Police, Fire, Ambulance?

Ambulance – The first answer to a 000 call will come from a Telstra Call Centre. The call is then transferred immediately to the nominated NSW Ambulance Operations Centre. You will be required to provide specific information about the location and nature of the incident.

2. Address?

What is the exact address of the emergency? Give the actual location of the patient (this may be a rendezvous point) – Mackerel Beach, Coasters Retreat, Scotland Island, Bays, McCarrs Creek.

3. Your phone number?

What is the phone number you are calling from? Also give your mobile number to assist with the rendezvous.

4. Nature of the problem?

Provide as much relevant information as possible about the patient's condition and how the incident happened eg: Exactly what happened, the age of the patient and whether or not they are conscious and breathing.

5. Meeting point?

- Mackerel Beach: Opposite Palm Beach Public Wharf.
- Coasters Retreat: Bonnie Doon or Bennetts Wharf.
- Scotland Island: Bells, Eastern, Carols, Cargo or Tennis Wharf.
- Bays: Elvina South, Elvina North, Lovett Bay, Little Lovett Bay or Hall's Wharf.
- McCarrs Creek: Douglass Estate.

7. Additional Information

Indicate if a private vessel will be used for transportation and provide any other information that may assist the ambulance. If you require evacuation from a residence on Scotland Island, ring the RFS Medivac Team on 9999 4404. This is YOUR responsibility. Use the house number and street address, not the lot number. Advise the Ambulance Service of this action.

DRSABCD action plan

DANGER

Ensure the area is safe for yourself, others and the patient.

RESPONSE

Look for a response. Is the patient conscious? Gently touch and talk to them. If there is no response, get help.

SEND FOR HELP

Call triple zero (000) for an ambulance or ask another person to make the call.

AIRWAY

Check the airway. Tilt the patient's head back, open their mouth and look inside. If fluid or foreign matter is present, gently roll the patient onto their side. Tilt head back, open their mouth and remove any foreign matter.

BREATHING

Look, listen and feel for signs of breathing. If the patient is breathing, roll them onto their side. If they are not, begin CPR.

CPR

Begin CPR. Place the heel of one hand on the lower half of breastbone. Place the other hand on top of the first hand and interlock your fingers. Give 30 chest compressions followed by two breaths. Push firm, push fast – Five cycles every two minutes. Continue until help arrives or the patient recovers.

- Compressions over eight-years-old: Two hands, one third of chest depth.
- Compressions under eight-years-old: One or two hands, one third of chest depth.
- Compressions for infants under one: Two fingers, one third of chest depth.

DEFIBRILLATION

Apply defibrillator if available and follow the voice prompts.



rural fire brigades

Help your Brigade to help YOU in the event of a fire or other emergency by providing information about your house, how many people might be inside, whether any of them suffer medical conditions, what hazards, eg gas cylinders, may be around or in the house and where water tanks are located.

PREPARE

ACT

SURVIVE

Information is Vital

1. Attend ALL briefings offered by your local Rural Fire Brigade.
2. Contact the Rural Fire Service for free Fire Safety Information www.bushfire.nsw.gov.au/dsp_contentcfm?cat_id=192

Make a survival plan

Take steps to prepare yourself, your family and your home well before a fire emergency occurs.

Household Water Requirements

Pittwater Council requires all offshore property owners to have a minimum water storage capacity of 45,000 litres (approximately 10,000 gallons).

A minimum of 10,000 litres (approximately 2,200 gallons) should be designated for use by the Rural Fire Service, available through a 38mm Storz fitting that can be accessed quickly. These are stocked by plumbing retailers and can be fitted to existing tanks.

These standards are part of the Building Approval process. If you live in an older house that does not comply, consider updating your system. The house your water saves may be YOUR house.

Fire Preparedness

All residents are encouraged to become members of our local volunteer brigades.

Medivac

On Scotland Island the Brigade has a Medivac First Responders team who assist with emergency medical evacuations. Call 000 in the first instance.

Further Information

Broken Bay Water Police, based at Church Point.
Telephone: 9910 7899 Mobile: 0412 162 093
Pink Water Taxis (at Church Point 24 hours) may assist in emergency. Mobile: 0428 238 190

Neighbours who can assist in emergency and their telephone numbers

- 1.....
- 2.....
- 3.....
- 4.....
- 5.....
- 6.....

In the event of a fire or other emergency call 000 then, if time permits call your local brigade			
Location	Position	Brigade Member	Telephone
Scotland Island (24/7)			9999 4404
West Pittwater	Captain	Kylie Stackhouse	0409 936 281
Mackerel Beach	Captain	Bob Mitchell	9974 5628
Coasters Retreat	Communication Officer	Jim Macken	0413 144 343

NSW Bush Fire Information Line 1800 NSW RFS = 1800 679 737

Emergency procedures

For Scotland Island and the Lower Western Foreshores including McCarrs Creek, Lovett, Elvina and Morning Bays

1. Call 000
2. Advise of nature of incident
3. Explain that your location is water access only
4. Provide location, including UBD Sydney map reference number and grid reference if possible
5. Provide the phone number you are calling from and a mobile number to assist with rendezvous

call 000 first



boating and safety

A lifejacket never ruined a day on the water - Be safe and wear yours. Roads and Maritime's new safety awareness campaign, 'A lifejacket never ruined a day on the water' is designed to encourage people to realise that lifejackets are the most important piece of safety equipment on any recreational vessel and that lifejackets should be worn at all times.

A lifejacket must be carried for each person on all vessels and be easily accessible. It must be the correct size for the wearer and in good working condition. Remember – If you are not wearing your lifejacket, it cannot save your life.

Boat licences

Any person who drives a mechanically propelled recreational vessel on NSW waters at 10 knots or more, or a Personal Water Craft (PWC) at any speed, must be licensed.

Personal Water Craft (PWC) licence

A special photo licence is required to ride a Personal Water Craft regardless of speed.

Vessel registration

By law, the following vessels must be registered with NSW Roads and Maritime Services when they are travelling on navigable waters within NSW:

- Any mechanically propelled vessel which is capable of travelling at 10 knots or more.
- Any mechanically propelled or sailing vessel of 5.5 metres or longer.
- Every vessel subject to requiring a mooring licence.
- Every vessel subject to a permissive occupancy (includes marina berths).
- Every personal water craft.
- Any commercial vessel.

Safe navigation

All vessels must travel at a safe speed at all times – the faster you go the less time you have to notice danger and take avoiding action. A safe speed cannot be expressed as a maximum or minimum number of knots – It is one at which you can stop and avoid a collision, considering the circumstances and conditions at the time. At a speed of 10 knots a vessel covers a distance of 5.1 metres per second. It is imperative vessels travel slowly through any mooring area. The Master (driver) must always assess the safety of the vessel's speed and must consider a number of issues such as visibility, other vessels, navigation hazards, wind, waves, current, manoeuvrability of the vessel. When night falls, it is a different world on the water and extra safety issues need to be considered and precautions taken.

Navigation lights

When on the water at night or in bad weather, people must be able to see you. Navigation lights are required to be shown on all vessels:

- Between sunset and sunrise.
- When visibility is restricted.
- Non powered craft such as paddle craft/row boats must carry a working floatable waterproof torch.

Safety equipment

The standard enclosed waters safety equipment which you are required to carry on your vessel are:

- One lifejacket per person kept in good condition
- An anchor with chain/line attached.
- A bucket or bailer with lanyard or a bilge pump.
- A fire bucket (if no bailing bucket carried which is suitable for fire fighting).
- Fire extinguisher (for vessels with an electric start, electric motor/s carrying one or more batteries, with gas or fuel stove).
- Paddle or oars with rowlocks.
- Green coloured safety label (for passenger/weight loads).
- Sound signal (horn/whistle/bell/etc).
- Floating waterproof torch in working order, 24/7.
- Navigation lights.

- Except for a vessel under oars, a safety label must be displayed within one metre of the steering position where it can easily be seen.

Lifejackets must be worn

- Children (including babies) less than 12 years at all times in a vessel less than 8 metres long.
- On all boats less than 4.8 metres (such as a commuter vessel).
- On tenders, vessels less than 3 metres (commuter vessels are not tenders).
 - To transport goods/people between vessels or between shore and vessels or vice versa, for distances of no more than 200 metres.
- On all paddle craft such as canoes/kayaks and including surf skis.
 - At all times in enclosed waters when alone and more than 100 metres from shore.
- On row boats.
- When boating alone.
- By all occupants between sunset and sunrise.

Alcohol and water don't mix

Legislation allows for all boat drivers to be Random Breath Tested. Prescribed concentration of alcohol in the blood and penalties are like those for road users.

Wash

Wash is the wave created by a vessel moving through the water. It is good practice to check that you are not creating wash that could cause annoyance or danger to all other water users.

boating safety officers

Pittwater West	Pittwater East
Steve Nugent	
Mob: 0418 976 023	Mob: 0418 976 160

Pittwater Office

Quays Marina Tel: 13 12 56
1856 Pittwater Road Fax: 9997 6628
Bayview NSW 2104



Photo by Sam Collins

scotland island

west pittwater

coasters retreat

mackerel beach



associations

There are four offshore Community Associations in Pittwater – The Scotland Island Residents' Association (SIRA), the West Pittwater Community Association (WPCA), the Coasters Retreat Association (CRA) and the Mackerel Beach Association Inc (MBA). All are run by residents, for residents.

The roles of these Associations are many and varied, from liaising with the community and Pittwater Council on issues which affect us all; managing services such as the Island community

vehicle, the emergency water line and community hall; providing various communications through electronic newsletters, mail-outs and publications; organising community events to preserving and maintaining our very special environment.

All Associations welcome the active participation of local residents. If you would like to raise any issues or concerns or be more involved in your community, please do not hesitate to contact any committee member from your relevant Association, as listed in the following pages.



Photo by Sam Collins

scotland island

SIRA is the voice of the Scotland Island community and a key provider of services to families living on the Island. SIRA seeks to address issues relating to the Offshore environment, sustainable infrastructure and community well being. The SIRA Committee (SIRAC) is elected annually by SIRA members.

Advocacy

SIRAC represents the community on various committees, including Pittwater Council's four Community Reference Groups and the Church Point Design Group. We advocate on a range of issues including the Church Point Plan of Management (car parking and commuter berth facilities), Roads, Drainage and Stormwater; Water and Wastewater. We strive to keep fees and costs low whilst advocating for much needed infrastructure.

Services

SIRAC manages Emergency Water, the Community Vehicle and the Community Hall. We also

participate in the annual Clean Up Australia Day. We facilitate environmental studies, seek grant funding and work with Pittwater Council to secure funds for basic infrastructure.

Partnerships

SIRAC works in co-operation with Pittwater Council, Waterways, Department of Lands, Broken Bay Water Police, Sydney Water, and other resident associations, in particular West Pittwater Community, Coasters Retreat, Mackerel Beach, Church Point Reserve and Bayview Church Point. We strongly support and work in close liaison with the Scotland Island Rural Fire Brigade and Scotland Island Offshore Childrens' Services.

Vision

SIRAC's Vision Working Group continues to work to develop long term sustainability and the strategic actions needed to achieve it, in line with Pittwater Council's Pittwater 2025 Strategic Plan. This plan can be viewed on Council's website at www.pittwater.nsw.gov.au/council/council-publications/2025-strategic-plan.

We seek community input in this process. If you would like to be involved please feel free to email sirac@sira.org.au

Governance

SIRA has a constitution, adopted policies and procedures which define its goals and objectives and provide guidance to fulfill its responsibilities both as a legal entity and as a representative and trustee of the Scotland Island community's needs and assets.

Communication

SIRA continually seek to communicate to residents, via our website, www.scotlandisland.org.au, our Facebook page, Scotland Island Residents; the Pittwater Offshore Newsletter (PON), this Pittwater Offshore Directory (POD); as well as through community meetings, forums and working groups.

We endeavour to consult, as volunteers and with the many available resources, in implementing the decisions made by and for our great Island community.

Mail: PO Box 70
Church Point NSW 2105
Email: president@sira.org.au
sirac@sira.org.au
Web: www.scotlandisland.org.au
Eligibility: Scotland Island property owner or resident
Fees: \$20.00 per household per annum
Transport: Community Vehicle
Bookings 0404 103 700
Facilities: Catherine Park with barbeque facilities
Community Hall
Bookings 9999 4092
Volunteer: Join the SIRA Committee or one of our various Working Groups.

contacts

Community input

The Scotland Island Residents' Association Committee welcomes the active participation of all Scotland Island residents. It is the strength of our membership which determines the strength of our advocacy.

If you have any questions, or wish to discuss a community issue which is of concern or interest to you, please feel free to contact any of our SIRA Committee members, as listed in the table below.

2013 Scotland Island Residents' Association Committee (SIRAC)

Position	Members	Committee Members	
President	Judy Readman	Debbie Cordukes	Colin Haskell
Vice Presidents	Bill Gye and Betsi Beem	Graeme Crayford	June Lahm
Secretary	Carol Floyd	Sue Dickson	Jon Maxim
Treasurer	Cass Gye	Alan Gaines	Ian Souter
SIRFB Liaison	Graeme Crayford	Ruth Gaines	Tim Turpin
SIOCS Liaison	Harriet Stacey		



Photo by Tracy Smith

west pittwater

WPCA, the West Pittwater Community Association serves the Western foreshore communities of McCarrs Creek, Elvina, Lovett, Little Lovett and Morning Bays. We aim to encourage civic pride, community affairs and goodwill amongst our residents and to speak with one voice and represent the interests of the Western Foreshores community with Pittwater Council.

Objectives

The Objectives of the West Pittwater Community Association include:

- To be a supportive community, encouraging and promoting civic pride, community affairs and goodwill amongst residents
- To protect local fauna and flora and preserve West Pittwater
- To secure essential facilities including public wharves and reserves and to protect public and private property
- To speak with one voice and represent the interests of the Western Foreshore community when in discussion with Pittwater Council and other relevant government bodies.

If you would like to have a say in what happens in your community, join the West Pittwater Community Association and have some input into matters that affect you and the environment in which you live.

Communications

Our annual newsletter, Baywatch, is distributed prior to our AGM. Minutes of WPCA meetings, letters written on behalf of the community and other information can be accessed from our website.

Please contact Brigitte Mahler-Mills on brigitte@amadesign.com to register your email address and receive BaysNews.

Local events

Community events, usually held around Elvina Bay Park, are advised through BaysNews. The fund-raising fire shed dinners held in summer at the Elvina and Lovett Bay fire sheds

Vehicles

The Western Foreshore is a pedestrian environment and all private vehicles are prohibited in the area.

Domestic pets

Because we have the magnificent Ku-ring-gai National Park on our back doorsteps, each Western Foreshore household is limited to own only two dogs. Cats, ferrets and rabbits are strictly prohibited. Dogs must be controlled and are NOT allowed to enter the National Park at any time.

Public wharves

There are informal mooring protocols relating to tie-up positions on public wharves. These protocols are tried and tested and work very well when respected. New residents should tie up at the furthest spot from the seaward end of the jetty. As people move away from the area, everyone moves their moorings along to deeper water. Private moorings are under the control of NSW Roads & Maritime Services and are not transferable with the sale of houses.

Green waste

There is no green waste collection on the Western Foreshore so please mulch or compost your organic matter. Do not dump.

Mail: PO Box 289
Church Point NSW 2105
Email: community@wpca.org.au
Web: www.wpca.org.au
Fees: \$20.00 per annum

contacts

Neighbourliness

While some escape to the Western Foreshores for the isolation, our inter-dependence and co-operation is what makes us and our community so strong. The neighbour who clears the undergrowth in times of bushfire and saves someone's house; the use of a private wharf for access; the bailing of sinking boats during a storm; the crossing of other properties to get to the fire trails; the dog owner who trains their dog not to stray, bark or cause a nuisance; the neighbour who transports another in time of crisis.

Our lives are filled with these acts of neighbourliness and unwritten protocols. While we inhabit our plots, we all share in the wider reality of impact beyond our boundaries – Be it weeds, animal management, fire, water or a cup of sugar. Neighbourliness keeps life sweet and it's a two-way street... Or track!

Community input

The West Pittwater Community Association welcomes input from the community. Should you have any queries or concerns please do not hesitate to contact any of our committee members as listed below.

2013 West Pittwater Community Association Office holders

Position	Members	Contact	Committee Members	
President	Michael Wiener	9997 2772	Nick Cowdery	Karen Lambert
Treasurer	Martin Didsbury	9979 9477	Michael Doherty	Brigitte Mahler-Mills
Secretary	Margaret Orr	9979 4696	Edwina Dusseldorp	Ryan Stidwill
Secretary	David Orr	9979 4696	Jane Jobson	Alan Yuille



Photo by Sam Collins

coasters retreat

CRA, the Coasters Retreat Association aims to preserve and protect the natural beauty of Coasters Retreat which has recently been recognised as a suburb of Sydney.

The Coasters Retreat Association actively supports Clean Up Australia Day, with our volunteers combing the foreshores from Currawong to Portuguese Beach every year. The hard work and dedication of our Members maintains the foreshore path and helps keep the public areas clean.

Our Annual General Meeting is held in January of each year. Approximately 40 local residents attend to elect the Association's new Committee for the upcoming year.

Mail: Coasters Retreat Association
Bennetts Wharf
Coasters Retreat NSW 2108
Eligibility: Residents of Coasters Retreat
Fees: \$20.00 per family per annum

contacts

If you have any queries or concerns please feel free to contact our committee members below.

2013 Coaster Retreat Association Committee

Position	Members	Telephone
President	Louise Brogan	9974 5492
Secretary	Ian Collins	9974 3770
Treasurer	Wilma Taylor	9974 4152



Photo by Sam Collins

mackerel beach

MBA, the Mackerel Beach Association Inc is a Community Association looking after the interests and concerns of the residents of Mackerel Beach.

The Mackerel Beach Association holds three meetings per year, available year round.

Residents may cast two votes per household at the Owner's discretion

Should you have any queries or concerns please feel free to contact any of our committee members below.

Email: lafiya2@iinet.net.au
Eligibility: Residents and rate payers of Mackerel Beach
Fees: \$20.00 per rateable property per annum

contacts

2013 Mackerel Beach Association Inc Committee

Position	Members	Contact	Committee
President	David Moore	lafiya2@iinet.net.au	David Walsh
Vice President	Lorraine Hall		Bev Lovell
Secretary	Gillian Guthrie		John Kaleski
Treasurer	Gavin Shennan		
Fire Captain	Bob Mitchell		



ferries

church point ferries



palm beach ferries

Planes, trains and automobiles have got nothing on the magical experience of slipping through crystal clear waters bathed in early morning light – A commuting experience quite unlike any other!

The Church Point Ferry Service is an essential part of the Southern Pittwater community, servicing the area for more than 60 years. Residents living on Scotland Island and the Western Foreshores rely on the regular schedule, including primary school-aged children who enjoy the daily run to and from Newport Primary School. Their

ferries also deliver newspapers to wharves in the morning, and mail in the afternoon.

Palm Beach Ferries service Northern Pittwater including Bennetts, Bonnie Doon, The Basin, Currawong and Mackerel Beach departing from Palm Beach Wharf. They also provide a regular, high speed service to Wagstaffe and Ettalong on the Central Coast.

Please refer to the following pages for full timetables of these ferry services...



church point ferry



















The Church Point Ferry Service timetable shows the earliest times the ferry will leave the wharf. Please use the flags provided at the wharves. If travelling from Lovett, Elvina or Halls wharves in off-peak times, it is advisable to call the Ferry Master on 0408 296 997 for pick-up.

WEEKENDS AND PUBLIC HOLIDAYS

Depart Church Point	Bells Wharf Drop-Off	Carols Wharf	Eastern Wharf	Tennis Wharf	Halls Wharf (YHA)	Lovett Bay Wharf	Elvina Bay	Bells Wharf Pick-Up	Newport Wharf	Arrive Church Point
								8:20		8:25
8:30	8:35	8:36	8:38	8:40	8:45	8:50	8:55	9:05		9:10
9:30	9:35	9:36	9:38	9:40	9:45	9:50	9:55	10:05		10:10
10:30	10:35	10:36	10:38	10:40	10:45	10:50	10:55	11:05		11:10
11:30	11:35	11:36	11:38	11:40	11:45	11:50	11:55	12:05		12:10
12:30	12:35	12:36	12:38	12:40	12:45	12:50	12:55	1:05		1:10
1:30	1:35	1:36	1:38	1:40	1:45	1:50	1:55	2:05		2:10
2:30	2:35	2:36	2:38	2:40	2:45	2:50	2:55	3:05		3:10
3:30	3:35	3:36	3:38	3:40	3:45	3:50	3:55	4:05		4:10
4:30	4:35	4:36	4:38	4:40	4:45	4:50	4:55	5:05		5:10
5:30	5:35	5:36	5:38	5:40	5:45	5:50	5:55	6:05		6:10
6:30	6:35	6:36	6:38	6:40	6:45	6:50	6:55	7:00		7:05

 **means 'on request'** – Please call the Ferry Master on 0408 296 997 for pick-up or ask to be dropped off at these wharves when paying your fare.

MONDAY TO FRIDAY (NORMAL WORK DAYS)

Depart Church Point	Bells Wharf Drop-Off	Carols Wharf	Eastern Wharf	Tennis Wharf	Halls Wharf (YHA)	Lovett Bay Wharf	Elvina Bay	Bells Wharf Pick-Up	Newport Wharf	Arrive Church Point
								6:20		6:25
6:30	6:40						6:35	6:40		6:45
6:55	7:20			7:10	7:05		7:15	7:20		7:25
7:30	8:05			7:50	7:45	7:35	8:00	8:05		8:10
		8:00	7:55							8:10
8:15	8:40			8:35	8:30	8:20		8:40		8:45
8:25	8:40	8:55	8:50	8:45	School Term	School Term	8:30		9:05	
		9:20				School Term	School Term			9:25
8:55	9:00			9:05	9:10	9:15	9:20	9:25		9:30
9:35	9:40	9:41	9:43	9:45	9:50	9:55	10:00	10:10		10:15
10:30	10:35	10:36	10:38	10:40	10:45	10:50	10:55	11:05		11:10
11:30	11:35	11:36	11:38	11:40	11:45	11:50	11:55	12:05		12:10
12:30	12:35	12:36	12:38	12:40	12:45	12:50	12:55	1:05		1:10
1:30	1:35	1:36	1:38	1:40	1:45	1:50	1:55	2:05		2:10
2:20	2:25	Mail Run		2:30	2:35	2:40	2:45	2:55		3:00
3:20	3:25	3:26	3:28	3:30	3:35	3:40	3:45	3:50	School Hols	3:55
3:20	3:50	School Term		3:35	3:40	3:45	3:25	3:50		3:55
3:20	3:25	3:30	3:35		School Term	School Term			3:45	
		4:00	4:05	4:10	School Term	School Term	4:20	4:15		4:25
4:10	 4:12			 4:15	 4:20	 4:22				4:45
4:45	4:50	 4:51	 4:52	4:55	5:00	5:05		5:10		5:15
5:00	5:05	 5:05					 5:05	5:05		5:20
5:30		 5:35	 5:37	5:40	5:45	5:50		5:55		6:00
5:30	5:35						 5:40	5:35		5:50
6:00	6:05	 6:05					 6:05	6:05		6:20
6:15		 6:17	 6:20	6:25	6:30	6:35		6:40		6:45
6:30	6:35	 6:35					 6:35	6:35		6:50
7:00	7:05						 7:10			7:20
7:00		7:05	7:10	7:15	7:20	7:25	Outward	Outward		
7:25	7:30			Outward	Outward					



palm beach ferry

Palm Beach Ferries service the offshore communities of Northern Pittwater as well as the Central Coast. The following timetables encompass the Pittwater communities of Bennetts, Bonnie Doon, The Basin, Currawong and Mackerel Beach. Passengers are asked to arrive at the wharf five minutes prior to departure. For more information and Central Coast timetables visit www.palmbeachferries.com.au

MONDAY TO FRIDAY

DEPARTING	AM	AM	AM	AM	PM	PM	PM	PM	PM	FRIDAY EVE ONLY
Palm Beach		9:00	10:00	11:00	12:00	2:00	3:00	4:00	5:00	6:00 7:00 *8:00
Bennetts	7:45	9:10	10:10	11:10	12:10	2:10	3:10	4:20	5:20	6:20 7:20 *8:20
Bonnie Doon		9:15	10:15	11:15	12:15	2:15	3:15	4:20	5:20	6:20 7:20 *8:20
Basin		9:20	10:20	11:20	12:20	2:20	3:20	4:20	5:20	6:20 7:20 *8:20
Currawong	7:55	9:25	10:25	11:25	12:25	2:25	3:25	4:15	5:15	6:15 7:15 *8:15
Mackerel	8:00	9:30	10:30	11:30	12:30	2:30	3:30	4:10	5:10	6:10 7:10 *8:10
Arr. Palm Beach	8:10	9:45	10:45	11:45	12:45	2:45	3:45	4:45	5:45	6:45 7:45

PLEASE NOTE: *The 8pm departure does not return to Palm Beach

SATURDAY, SUNDAY & PUBLIC HOLIDAYS

DEPARTING	AM	AM	AM	PM	PM	PM	PM	PM	PM	PM
Palm Beach	9:00	10:00	11:00	12:00	1:00	2:00	3:00	4:00	5:00	6:00
Bennetts	9:10	10:10	11:10	12:10	1:10	2:10	3:10	4:10	5:10	6:10
Bonnie Doon	9:15	10:15	11:15	12:15	1:15	2:15	3:15	4:15	5:15	6:15
Basin	9:20	10:20	11:20	12:20	1:20	2:20	3:20	4:20	5:20	6:20
Currawong	9:25	10:25	11:25	12:25	1:25	2:25	3:25	4:25	5:25	6:25
Mackerel	9:30	10:30	11:30	12:30	1:30	2:30	3:30	4:30	5:30	6:30
Arr. Palm Beach	9:45	10:45	11:45	12:45	1:45	2:45	3:45	4:45	5:45	6:45

ALL STATE SCHOOL END OF TERM HOLIDAYS & CHRISTMAS/SUMMER HOLIDAYS MONDAY - SUNDAY

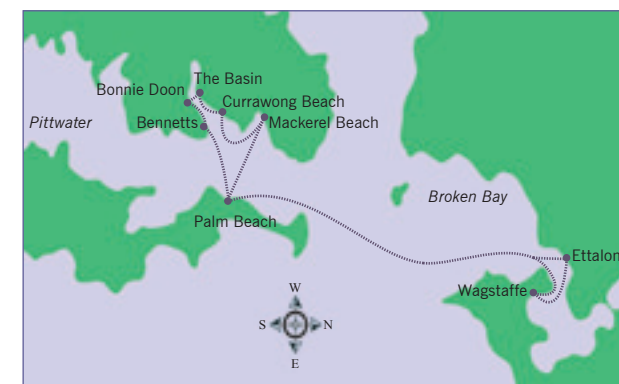
DEPARTING	AM	AM	AM	AM	PM	PM	PM	PM	PM	PM	FRIDAY EVE ONLY
Palm Beach	8:00	9:00	10:00	11:00	12:00	**1:00	2:00	3:00	4:00	5:00	6:00 7:00 *8:00
Bennetts	8:20	9:10	10:10	11:10	12:10	**1:10	2:10	3:10	4:10	5:10	6:10 7:10 *8:20
Bonnie Doon	8:25	9:15	10:15	11:15	12:15	**1:15	2:15	3:15	4:15	5:15	6:15 7:20 *8:20
Basin	8:30	9:20	10:20	11:20	12:20	**1:20	2:20	3:20	4:20	5:20	6:20 7:20 *8:20
Currawong	8:15	9:25	10:25	11:25	12:25	**1:25	2:25	3:25	4:25	5:25	6:25 7:15 *8:15
Mackerel	8:10	9:30	10:30	11:30	12:30	**1:30	2:30	3:30	4:30	5:30	6:30 7:10 *8:10
Arr. Palm Beach	8:45	9:45	10:45	11:45	12:45	**1:45	2:45	3:45	4:45	5:45	6:45 7:45

PLEASE NOTE: **1pm ferry only operates Mon-Fri in the Christmas school holidays.

*8pm departure does not return to Palm Beach. Workers morning ferry departs Bennetts 7.15am & Mackerel 7.30am

CHRISTMAS DAY

DEPARTING	AM	AM
Palm Beach	9:00	4:00
Bennetts	9:10	4:10
Bonnie Doon	9:15	4:15
Basin	9:20	4:20
Currawong	9:25	4:25
Mackerel	9:30	4:30
Arr. Palm Beach	9:45	4:45





emergency water

water

rainwater harvesting

wastewater

We may be surrounded by millions of litres of the salted variety, but fresh water management is an ongoing concern for all offshore residents. Whether harvesting precious rainwater for our domestic needs or managing an onsite waste treatment system, regular maintenance is imperative for the health of our households and the environment we live in.

Rainwater, when harvested correctly, is pure, clean and safe to use for all domestic purposes. A clean supply, however, relies on the regular maintenance of the collection system.

Of course we cannot always depend on the Rain Gods to keep our tanks full, but Scotland Island residents can rely on a recently upgraded emergency town water supply.

Water usage goes hand-in-hand with wastewater treatment and disposal, and a correctly functioning system is vital for the prevention of disease and to preserve the health of the bush around us.

By following the simple procedures on the following pages, water need no longer prove a problem.



emergency water

An emergency town water supply is available to Scotland Island residents. This is an especially valuable resource in times of drought and before the annual bushfire season. Residents, who must be current members of SIRA, can fill their tanks by booking time on the water line through their relevant Water Monitor. Set-up information and guidelines are provided below.

How to book

- Before booking you must sign an Agreement for Sale of Water and be a current SIRA member.
- Book in advance. Don't wait until tank is empty.
- Telephone your line monitor between 8:00 am and 8:00 pm, with the following information:
 - Your name, address and telephone number.
 - Your tank capacity in litres.
 - Preferred booking time and hours required.
- Ask for contact details of bookings before and after yours and contact to confirm handover.

Location of Water Meters

- First time users should locate and walk their line prior to booking – ask your neighbour!

- Lines 1, 2 and 3 are individually metered and are located on platform at the top of Bell Wharf steps.
- Main Line valves are on either side of platform and identified by numbered reflector posts. Lines 1 and 3 towards Carol's to the left of platform and Line 2 towards Cargo Wharf to the right of steps.

How to get water

- Take meter readings at start and finish of booking. If these meter readings are not taken, readings reported by other bookings must be accepted.
- Close off the Main Line valve past your standpipe to block water and maximise flow into your tank.
- Turn on your standpipe valve and check that water is flowing into your tank. Allow at least 15-20 minutes for line to charge in some areas.

- If there is no flow, walk the Main Line and check all valves to locate any problems or leaks.
- Check collection regularly as water metered during booking period is your responsibility!
- When complete turn off standpipe valve, open Main Line valve, disconnect your fitting and take final reading at Bell meter.
- Advise meter readings to your Monitor within 24 hours to calculate litres and charge.

How to Connect

- 1 x 40mm (1½ inch) poly BSP female fitting (nut and tail) plus male fitting (barbed tail).
- 1 x meter braided clear polyurethane flexible pipe (food grade).
- 2 x stainless steel clamps for each end.
- 1 x plug keeps pipe clean and prevents washer from falling out of nut and tail.
- Flexible pipe gives clear view of flow, makes attachment to standpipe easier and reduces strain on standpipe when turning valve on and off.
- Fittings to connect to existing system, as required.
- We recommend that you upgrade the existing pipe to your tank to 40mm to maximise flow.
- For connection to be assembled ready for use call Cass Gye or fittings are available from Water Warehouse sales@waterwarehouse.com.au; Gainforts, Darley Street, Mona Vale.

Troubleshooting

- Important: Any problems or leaks turn off the Main Line valve at Bell and advise Monitor.
- Contact next booking to advise water is off.
- Note: Repairs to the Main Line or standpipes will be actioned as soon as possible after inspection.

Remember You are Responsible!

- Check your flow regularly.
- If you finish early make contact with next person OR turn off Main Line valve at Bell.
- When booking is finished reset all valves and make Line ready for next booking.
- Connections to standpipes are non-permanent.

Charges and Conditions

- SIRA Water Charge is \$4.00 per 1,000 litres.
- Booking Fee is \$10.00 per booking.
- No accounts issued. Your monitor will advise charges. Receipts are available on request.
- Payments must be received within seven days.
- A late Fee of \$10.00 applies to overdue payments.
- Outstanding Accounts. Bookings will not be accepted and/or pre-payment will be required.
- 24 hours cancellation notice is required or fee of \$10.00 will be charged plus any water metered.

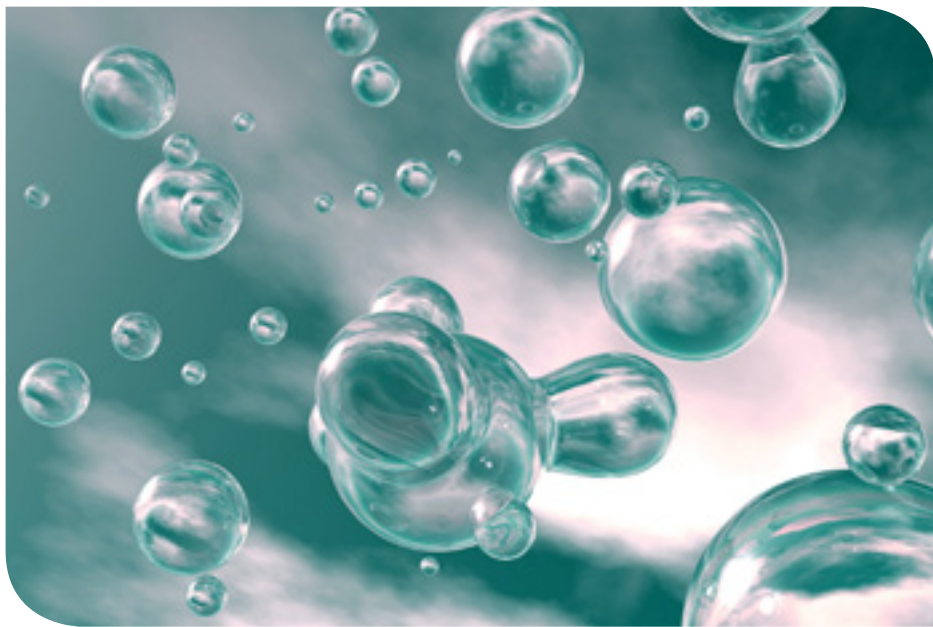
How to Pay

- By Cheque payable to Scotland Island Residents' Association sent to your Monitor
- By Internet Transfer – arrange with your Monitor
- By Cash made IN PERSON to your Monitor.

Please remember

- Monitors work hard to keep you happy! Your civility and prompt payment is appreciated.
- Monitors reserve the right to refuse bookings to any person who is unco-operative and/or abusive.
- Any person found 'taxing' the water line will have their property 'tagged' as a problem source.

Line No	Area	Days	Monitor	Telephone	Address
Line 1	Bell's via Carols Eastern to Pathilda Reserve	Thursday Friday Saturday	Nathalie Muir	9999 4449 0419 432 460	PO Box 263 Church Point 2105 nathalie@muir.net
Line 2	Bell's via Cargo Tennis to Pathilda Reserve	Sunday Monday Tuesday (day)	Cass Gye	9979 5853 0418 220 107	PO Box 52 Church Point 2105 cassgye@spin.net.au
Line 3	Bell's via top of Island to Kevin Street	Tuesday (night) Wednesday	Cass Gye	9979 5853 0418 220 107	PO Box 52 Church Point 2105 cassgye@spin.net.au



rainwater harvesting

Rainwater harvesting provides a free and renewable supply of natural, soft, clear and odourless water for a range of purposes including drinking, food preparation, washing, bathing, laundry and gardening. A good, clean water supply relies on the regular maintenance of your collection system including rooves, gutters and tanks.

Roof

- Clean water starts with a clean roof, so sweep your roof before any predicted rain.
- Remove any branches overhanging your roof.
- If possible, rainwater should not be collected from parts of rooves incorporating flues from wood burners.
- Warning: Rooves are too dangerous for children.

Gutters

- Keep your gutters clean of dirt and leaf litter and plug up any leaks.
- The best gutters for collecting clean water are 150mm half-round supported from underneath. Overstraps make cleaning difficult.

Downpipes

- Keep your downpipe system simple with a minimal number of bends.
- Create a simple way of deflecting water away from the catchment tanks to avoid dirty water if your roof and gutters have not been cleaned.

First-flush devices

- First-flush devices prevent the first rains from flowing into the tank after a dry period, reducing the amount of dust, bird droppings, leaves and debris that have accumulated on the roof from being washed into the tank.
- Alternatively, disconnect the tank inlet so the first run-off of rain after a dry spell is not collected.

Filter

- Keep vegetation, mosquitoes and other insects out of your water with a simple filter at the base of the downpipe or at the tank inlet.
- An effective system which fits into your downpipe has a larger grid to stop leaves, twigs, bark etc and a finer mesh to block the remainder.
- The overflow should also be covered with an insect-proof screen.
- Make sure you clean your filters after the first good downpour has cleaned your roof and gutters.

Water tanks

- Your property should have at least two tanks – A collection/settlement tank and a storage/header tank.
- The size of tanks required to supply a household with water will depend on a number of factors including the amount and pattern of rainfall, roof area, the number of household members and water usage.
- If possible, use a gravity supply instead of pump pressure supply as water usage will be significantly reduced, particularly when showering etc.
- Water tanks should be examined for the accumulation of sludge at least every two to three years.
- Excessive sludge at the bottom of your tanks is a sign of inadequate maintenance of the catchment area (roof and gutters).
- If sludge is covering the bottom of the tank it should be removed by siphon or by completely emptying and rinsing out the tank.

Mosquitoes

- Incorrectly maintained water tanks and gutters are notorious breeding sites for mosquitoes. With numerous dangerous mosquito borne diseases in Australia including Dengue fever, Australian encephalitis, Ross River fever and Barmah Forest virus, it is imperative to prevent mosquitoes from breeding in these areas to help keep your family healthy.

- Water ponding in gutters must be prevented as it also provides breeding sites for mosquitoes and could lead to eggs being washed into your tanks. Check your gutters regularly and repair or replace when necessary.
- Tanks should never be allowed to become breeding sites for mosquitoes. If mosquitoes are detected, the entry point should be located and then closed immediately.
- For most types of tanks mosquito breeding can be stopped by simply adding a teaspoon (5mL) of domestic kerosene. However, kerosene should not be used in Aquaplate™ or some types of plastic tanks. Please check with the manufacturer of your tanks.
- Preventing mosquito access to your tanks is the best control option in all cases.

Seasonal needs

- Once the Spotted Gum bark starts to fall towards the end of every year, rain water tanks can very quickly become tainted with organic matter which has collected on rooves, thus contaminating your water supply.
- If there is too much organic matter in your rain water tanks, problems can occur. As the water warms up during the hottest months of the year, it creates the perfect growing conditions for unwanted life forms.
- Be extra diligent in cleaning your roof and gutters at this time of year, especially if you have trees overhanging your home. Alternatively, avoid collecting rainwater from your roof until this bark-shedding season is over.

An average home has 136,000 litres of precious rainwater deposited on its roof every year. Even in a dry year, it will still receive over 100,000 litres.

At least 40,000 litres tank capacity is recommended and 10,000 litres should be kept aside for fire fighting.

In the event of a fire, the Rural Fire Brigade is permitted to access private water supplies.

fast facts



wastewater

Living offshore presents many challenges, including maintaining a wastewater treatment system. Poorly maintained systems are a source of water pollution and a health risk, they cause odours, attract vermin and insects and are damaging to native plants. By looking after your system, you are caring for the environment and the health of your family.

It is important you choose the best system for waste water disposal on your site. Sewage management involves the collection and treatment of human waste and wastewater, followed by the release of liquid (treated wastewater) and solid (sludge, sewage and compost) products into the environment.

The inappropriate use or disposal of these waste products have adverse impacts on the community and public health through the spread of disease, contamination of ground water and surface water, degradation of soil and vegetation and loss of amenity, caused by odours and insects.

Any system that stores, treats or disposes of sewerage on a site must be maintained in a manner that ensures minimal impact to public health and

the environment. These systems are all classified as on-site wastewater management systems, require a permit to operate and inspections to be carried out by Council.

Maintenance

- Sludge collects on the bottom of septic tanks and a floating scum on the surface of the liquid. Septic tanks need to be pumped out every five to ten years, depending on the load.
- Failure to clean out a tank can cause scum to be carried out of the primary tank and into the disposal system.

Aerated wastewater treatment systems must be inspected by an approved company every three

months to maintain chlorine levels and ensure the system is working satisfactorily. Pittwater Council requires inspections to be carried out by qualified contractors who must forward completed paperwork to Council. Property owners are notified by Council when inspection is due.

Tips on reducing water usage

Reducing water usage will help keep your septic system functioning efficiently and lessen the likelihood of problems with your system. Waste treatment systems are unable to cope with large quantities of water.

- Try to spread your washing and showers throughout the day and week.
- When buying new appliances, look for the 'AAA' rating which indicates reduced water usage.
- Showers use 10-30 litres per minute, 200 litres in 10 minutes while baths use an average of 120 litres of water. Switch to water-saving heads or flow restrictors.

- Toilets use up to 11 litres per flush. Install a dual flush or low flush system to save water.
- Washing machines use 100-200 litres per load. Fully load your machine, use a low phosphorus detergent and use the suds saver option.
- Dishwashers use approximately 50 litres per cycle. Again, don't use until there is a full load.

If things go wrong

If you are experiencing problems with an on-site sewage management system, contact Council for assistance and provide your contact details including name, address and phone number; the address details where the problem is occurring; specific details of the problem and any other relevant information. Council will quickly respond to your complaint, keeping your details confidential.

Report complaints about pollution, odour, spray drift etc to Council urgently on 9970 1111. For more information, please visit the website at www.pittwater.nsw.gov.au/environment/water



What you should do:

- Always keep water consumption to a minimum which ensures you generate and dispose of less wastewater.
- Always choose 'green' detergents which are low in sodium, phosphate-free and contain no boron compounds which damage native plants and encourage weed growth.
- Remember salts change the soil structure so it becomes less permeable. Sodium levels are higher in non-concentrated powders and brands with 'softening powers'.
- Ensure you have an adequate disposal area.



What not to do:

- Don't generate too much wastewater, especially in surges. Always stagger your washing loads throughout the week.
- Never ignore leaky plumbing which will overload the treatment system and waste precious water.
- Don't use chemicals, detergents or bleach which kill the good bacteria in the system.
- Don't allow shadowing or compacting of the soil in the evapo-transpiration area.
- Don't allow tree roots to grow into and plug the trenches.

recycling
Reduce... Reuse... Recycle

garbage

recycling

waste
clean-up



vegetation

Just as the logistics of hauling our supplies to our offshore properties keeps us on our toes, so too does the problem of disposing of our waste. Pittwater Council provides various services to meet these needs.

On a bi-weekly basis, Council ensures our garbage is collected from both public and private wharves, increasing this service to three times per week during the peak summer months. Scotland Island's recycling is collected weekly from the roadside, while the Western Foreshores enjoy a bi-weekly

service from both public and private wharves.

In addition to these regular collections, Council also provides both a bi-annual clean-up service to remove larger unwanted household items, including whitegoods and furniture, as well as a bi-annual vegetation collection for the purpose of bushfire fuel reduction.

Full details of acceptable and unacceptable materials for these waste collection services are provided in the following pages...



waste collections

Offshore garbage is collected from wharves twice a week throughout the year, increasing to three times a week during the summer school holidays. A separate recycling service is also provided. Each year, residents of Pittwater recycle over 3,500 tonnes of plastics and containers and approximately 5,300 tonnes of high quality paper products.

Garbage Collection

- Offshore garbage collections are made from bins on public and private wharves with year round tidal access every Monday and Friday.
- Private wharves are required to have a special Council green bin secured to the jetty
- An extra service is provided on Wednesdays during the summer school holidays.
- Always contain garbage in securely tied bags. Avoid overfilling garbage bags, to avoid spillage.
- Always place garbage into the skip bins – Do not leave on the ground for dogs to rummage through!
- Recycle and compost.
- Buy products which use minimal packaging.
- Do not put building materials or vegetation into these bins – Household garbage only!

Recycle Right!

- On Scotland Island, recycling crates are to be placed on the roadside on Sunday night for collection on Monday morning
- On Scotland Island, private wharf recycling collections are made only by prior arrangement with Pittwater Council.
- Please remember to collect your empty recycling crates from the roadside as soon as possible after collection to avoid creating obstacles for passing traffic.
- In the Western Foreshores, recycling is collected from both public and private wharves every Monday and Friday.
- Place your recycling in separate crates for paper, glass, plastic and cans.

Where does it all go?

Recyclables from the roadside collection are kept separate from general garbage. These materials are transported to the Belrose Waste Facility which acts as a transfer station before being taken to a Materials Recovery Facility for sorting and the contaminants removed. Paper and aluminium cans are bundled together for shipping to recycling companies or overseas where they are turned into new products.

Do not contaminate your recycling crate by including materials which cannot be recycled. Contamination may result in your crate being rejected, increased collection costs and material being sent to land fill.

Tips on eliminating waste

Think about the things that you do which may create unnecessary waste. Some inefficiencies may be glaringly obvious. Once you start to think

about it you will find many ways to reduce the amount of waste you generate at the source including:

- Avoid purchasing products which use excessive packaging.
- Re-use containers where possible.
- Recycle as much as you can.
- Repair broken items instead of discarding and replacing them.
- Take your own shopping bag, backpack, basket or box to carry your groceries home from the supermarket, instead of using the supplied plastic bags.
- Compost your food scraps and garden waste, rather than place them in bins.
- Newspaper is an efficient weedmat and helps improve your soil quality. Lay two damp sheets over the soil then cover with mulch.
- Allow grass clippings to breakdown on your lawn providing nutrients and moisture.
- Reuse old prunings as garden stakes.
- Use leaf litter as an effective garden mulch.



dos

What you can recycle:

- Glass.
- Aluminium and steel cans.
- Empty aerosol cans.
- Empty and dry paint tins.
- Milk and juice cartons.
- Plastic containers numbered 1-7.
- Newspapers, magazines and junk mail.
- Cardboard boxes – Flatten and tie together.
- Telephone books.
- Cereal boxes and food packaging.
- Egg cartons and paper bags.
- Envelopes and office paper.



don'ts

What you can't recycle:

- Ceramics or porcelain, glass cook ware.
- Broken glass, window glass and mirrors.
- Light globes, tubes and white glass.
- Plastic toys and household items.
- Non-recyclable packaging.
- Bottle lids – Remove all lids.
- Polystyrofoam.
- Plastic bags.
- Food-soiled items such as pizza boxes or serviettes – Compost instead.
- Plastic bags – The entire contents of your crate will be rejected due to contamination!



clean-up service

Pittwater Council provides a bi-annual offshore clean-up service, enabling residents to dispose of larger unwanted household items including whitegoods and furniture. Each household may dispose of up to three cubic metres of material, however it is important to note that hazardous materials, household chemicals and builders' waste will not be collected.

Scotland Island

- Collections will be made only from the roadside.
- Don't place materials at public or private wharves.

Western Foreshores

- Place materials at the public wharves.
- Residents with a private wharf waste service can place their materials on their jetty for collection.

Mackerel Beach

- Place materials on the grassed area at the southern side.
- To separate metals from general items a temporary barrier will be erected before collection.

How it Works:

- Materials must be put out only during the weekend prior to collection week
- Material put out later than the Monday of the collection week will not be collected.
- The total quantity per household should not exceed 3 cubic metres (3m x 1m x 1m).

Hazardous Materials

Kimbriki Resource Recovery Centre off Mona Vale Road at Ingleside is not licensed to accept hazardous waste. To remove these materials from your property please enlist the services of a specialised contractor and pay for the removal and disposal costs yourself.

Household Chemicals

Household chemical collections are held annually at Mona Vale Beach car park. The following chemicals can be disposed of free-of-charge:

- Paint and related products including thinners, strippers, varnishes etc.
- Pesticides, herbicides and poisons, fungicides, baits and wood preservatives.
- Solvents, cleaners, motor oils, fuels and fluids, batteries, gas bottles and fire extinguishers.
- Pool chemicals, acids and alkalis, hobby and photography chemicals and fluorescent tubes.

For more information on chemical disposal, please visit the Household Chemical Clean Out website at www.cleanout.com.au or call 131 555.

If you require more information, Waste Calendars can be obtained from the Pittwater Council website at www.pittwater.nsw.gov.au/local_services/waste_and_recycling

Builders' Waste

New buildings and renovations all generate waste! Residents, owner builders and contractors are responsible for containment and removal of these materials.

- Material must remain within property boundaries.
- Excess soil and vegetation must be contained on your property using silt fences.
- Road and Vegetation Damage. Restoration/replanting should be carried out on completion.
- Building Waste and Vegetation must NOT be disposed of in the skip bins on wharves!
- Materials must not be stockpiled on Cargo Wharf on Scotland Island. This area is for the use of ALL residents, the Community Vehicle, Emergency Access and SIRFB.

For further information on compliance and/or development approvals please visit the website at www.pittwater.nsw.gov.au/building_and_development/controls_and_policies



Acceptable items:

- Appliances eg stoves, fridges – Please remove doors.
- Frames – Please remove glass.
- Paint and fuel containers – Please remove lids and ensure they are empty.
- Manageable quantities of dismantled pallets, stairs, decking, gates, fencing, guttering, down piping, iron sheets and water tanks cut down to 1.2m lengths..
- Empty hot water systems..
- Gas bottles, degassed with the screw off.
- Keep metals separate where possible.



Unacceptable items:

- Asbestos, batteries and household chemicals.
- Wall linings, gyprock, studs, timber beams, tiles, bricks and concrete.
- Car, motor and boat parts and rubber tyres.
- Food, soil, earth and fill.
- Liquid paints.
- Oils and fuel.
- Glass including windows, panes, mirrors, panels, shower screens and picture frames.
- Recyclable materials including paper and cardboard, vegetation and plants.
- Unacceptable items will not be collected.



vegetation collection

For the purpose of fuel reduction, Pittwater Council provides Scotland Island residents with a bi-annual vegetation collection. Residents should place materials by the roadside on the rostered dates and be aware of the collection conditions which apply. In between collections, Kimbriki Resource Recovery Centre accepts up to one trailer load of refuse free-of-charge.

Vegetation which is collected is taken to Kimbriki Resource Recovery Centre for shredding and making into mulch and soils.

No vegetation collection service is available in West Pittwater, Mackerel Beach or Coasters Retreat

Options for unacceptable/uncollected vegetation

- Mulch or compost the vegetation and reuse on your property. Both mulch and compost vastly improve poor quality soils and help drought-proof your garden.
- Take the vegetation to Kimbriki Resource Recovery Centre yourself.
- Store within the boundaries of your property

and correctly present material at the next vegetation collection.

- Form piles of vegetation on your property and apply to your local Fire Brigade for a permit to burn off.

Composting

Composting will improve the garden regardless of soil type. In sandy soils it helps build soil structure, retain moisture and provides nutrients. In heavy soils like those in Pittwater, it improves drainage. It is also environmentally friendly because it recycles all the green waste on site.

Use your garden clippings kitchen scraps, soil, papers and wood ash to reduce waste and

improve your soil. This can be done in an open bay, a box or a tumbler bin. Always keep your compost moist and turn it over regularly with a pitchfork to speed up decomposition and avoid foul odours.

There are two main types of organic materials you can feed your compost bin: greens and browns. Greens are high in nitrogen and described as 'wet.' Browns are described as 'dry' materials and are high in carbon.

When feeding your compost bin try to maintain a balance of 50 per cent greens and 50 per cent browns by weight. Since greens are typically heavier, you should add two to three buckets of browns for every bucket of greens.

Greens include grass clippings, kitchen scraps, and soft green prunings. Browns include shredded woody branches, dried leaves, straw and shredded newspaper. With a good balance of the two, composting will proceed quickly.

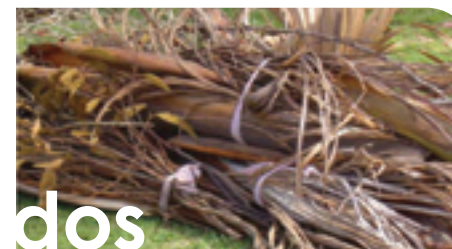
Do not add meat or fish scraps, or prawn or crab shells (dig a deep hole in the garden and bury them instead – they're great for the soil). Likewise, animal droppings, citrus peel, diseased plants, or weeds with seeds attached to them should not be composted.

Your compost should also contain a source of microorganisms which help break down organic matter. This can be achieved by simply adding a few spades of garden soil or some finished compost.

Further information

For further information please refer to the Gardening Australia Fact Sheet: How to Compost www.abc.net.au/gardening/stories/s1338744.htm

Free composting workshops are available to the general public at Kimbriki Resource Recovery Centre. Please call 9486 3512 or visit their website www.kimbriki.com.au



dos

Acceptable vegetation:

A maximum of two cubic metres per household will be collected from the roadside. This may include:

- Lawn clippings, weeds and leaves placed in hard sided containers
- Branches no longer than 1.2m, and no wider than 75mm
- Tied in bundles which are able to be lifted by one person



don'ts

Unacceptable materials:

- Vegetation in any form of plastic/nylon bag, hessian bags, polystyrene boxes, foam boxes and cardboard boxes
- Tree stumps, soil, fencing
- Non organic materials
- Treated, painted, stained or laminated timber, particle board, plywood
- General clean up materials
- Vegetation placed out late
- Vegetation on public or private wharves

waratah

Telopea speciosissima



trees

bushcare

weeds

plants



ku-ring-gai walks

The sheer beauty of the Australian bush holds a special place in the hearts of all Pittwater residents and is one of the many reasons we choose to live here. We should consider ourselves privileged to enjoy the magnificent Ku-ring-gai National Park on our doorsteps, brimming with wildlife and boasting over 900 species of plants.

The Pittwater Spotted Gum Forest has been listed as an Endangered Ecological Community by the NSW Scientific Committee with 44 species listed as characteristic of this plant community, including

smaller trees, shrubs, grasses, groundcovers, creepers and ferns all of which are important in maintaining a healthy ecosystem.

On the Island, Elizabeth Park is a high quality bushland reserve to be treasured, however many plants associated with the Pittwater Spotted Gum Forest are found on private land and are suffering the effects of ongoing development. Value any native species remaining on your block, recognise the important habitat they provide for our wildlife and help preserve the beauty of this unique environment.



tree preservation

Pittwater Council's Tree Preservation Order was gazetted on March 21st, 1997. The pruning of a tree by less than 10 per cent of the foliage area is exempt from the requirement of consent. This covers most situations such as limbs overhanging or touching buildings, wires etc, or damaged branches. Pruning a greater area requires Council's written consent.

Scotland Island is fortunate to have significant remnants of the Spotted Gum Forest, listed by the state as an endangered ecological community.

As a result applications for the removal of trees or bushland may require an assessment under the Threatened Species Conservation Act. A permit must be obtained from Pittwater Council to kill or remove any tree/shrub/bushland.

Protected Trees

In Pittwater on either Private or Public Land it is illegal to kill any tree/shrub, either native or exotic, which:

- Has a height exceeding 3 metres

- Has a trunk with a circumference exceeding half a metre
- Has a branch canopy width exceeding 5 metres
- Is a mangrove or cycad (irrespective of dimensions)
- Is 'bushland' – ie land on which there is natural vegetation or substantial remnants of it.

Crown thinning is the recommended method of pruning trees. You should remember that indiscriminate lopping or pruning can be a danger to your safety and the health of a tree.

For this reason, all pruning should conform to the Australian Standard (AS4373-1996) and be undertaken by a professional Arborist.

When Pittwater Council consent is **NOT** needed

- Remove a declared noxious weed or tree listed in the exempt species table.
- Prune a tree by up to 10 per cent of the foliage area within a period of not less than 12 months since any prior pruning
- Remove any tree harbouring fruit fly or grown for its edible fruit.

When Pittwater Council consent **IS** needed:

- Prune a tree by greater than 10 per cent of the foliage area
- Remove any tree not otherwise listed in the exempt species table
- Substantially alter the soil level around a tree trunk or within three meters of it

Pittwater Council **MAY** grant consent to:

- To remove a tree that is diseased or dying,
- To remove a tree that is causing, or likely to

cause, substantial property damage

- To remove a tree that is significantly misshapen or causing substantial overshadowing.
- You will need to submit a Tree Removal Application Form before removing any tree on your property.

Pittwater Council will **NOT** grant consent to:

- To remove a tree that sheds leaves, fruit or bark, considered to be a natural process.
- To remove a tree that causes minor damage to property, eg driveways.
- To remove a tree that is obstructing a view
- To remove a tree that is large and causing unsubstantiated fears
- To remove a tree causing minor shading
- To remove a tree causing blockage to pipes.

For a Tree Removal Application Form, noxious weeds or trees listed in the exempt species table, call the Natural Resources Unit on 9970 1111 or visit the website http://www.pittwater.nsw.gov.au/local_services/tree_information



Residential development has brought weeds that damage the native flora. Local Bushcare Groups meet regularly to weed so that the natural regeneration can occur. Help the bush and help yourself with some exercise and a friendly chat with like-minded people. If you would like to participate or you need help identifying weeds, please contact one of the following co-ordinators:

Scotland Island	Elizabeth Park on top of the Island	Emmie Collins	9997 7056
Scotland Island	Catherine Park near Tennis Wharf	Sharon Kinnison	9997 6017
Western Foreshores	Elvina Bay	Lisa Atkins	9997 5466
Western Foreshores	Morning Bay	Caroline Adams	9979 6390
Western Foreshores	Rocky Point	Lesley Stevens	9979 9477
Western Foreshores	Halls Wharf Cooper's Point	Antonia Kitching	9999 4201.



Photo by Sam Collins

common weeds

Weeds are plants that multiply and grow where they are not wanted or cause damage to people or the environment. Most weeds have escaped from gardens where they have got out of control after being brought to the area by well meaning residents. Examples are passionfruit, spider-plant, daisies and many succulents.

Some of these are designated as noxious weeds which means that private occupiers of land are legally responsible for keeping them under control.

For a full listing and details of your responsibilities, see http://www.pittwater.nsw.gov.au/environment/noxious_weeds or contact your local Bushcare representative.

Other useful source of information is the *Noxious and Environmental Weed Control Handbook* www.dpi.nsw.gov.au or www.sydneyweeds.org.au

Removing noxious weeds

Many weeds can be controlled by hand removal then mulching your garden beds to prevent

regrowth. Pouring hot water on weeds which invade pathways is also very effective.

Small plants (less than 3cm trunk diameter) can be hand pulled without breaking the root system. Assist the plant by handling the plant at the base and using a garden fork or knife to slowly pry out of the ground. Uprooted plants should be placed upside-down with their roots in the air, to dry out and die.

Saplings (less than 5cm trunk diameter) can be removed by removing all branches and leaving a one metre high stump. Using either a mattock or spade chop into the lateral/tap roots and lever out the stump. Roots remaining in the soil do not need to be removed as they do not sucker.

Succulents, such as Wandering Jew, are heavy on water. These can be bagged and removed, or raked into a pile and turned regularly until thoroughly composted.

Some plants, such as Privet, Camphor Laurel and Ochna are best treated with herbicide.

Using Herbicides

Remember that Herbicides are TOXIC and should only be used as a last resort. Before commencing any chemical control program, contact Council's Weeds Officer for advice tailored to your situation.

Always use a registered herbicide as specified on

the product label or a relevant off-label permit published by the Australian Pesticides & Veterinary Medicines Authority. Manual methods of application are often more effective than spraying and reduce vapour caused by spray drift.

Trees (greater than 5 cm trunk diameter) can be drilled or cut and painted with herbicide. Herbicide should be applied within 30 seconds of making the cut to ensure maximum intake by the plant.

Further information

For further information please visit Council's website http://www.pittwater.nsw.gov.au/environment/noxious_weeds



Lantana: *Lantana camara*

Removal: Cut canes and put through a chipper. Canes left on the ground may re-root. Dig out main roots.



Wandering Jew: *Tradescantia albiflora*

Removal: Lift carefully off the ground and bag. Stems break easily and all must be removed.



Ochna: *Ochna serrulata*

Removal: Dig out tap root of plants up to 20cm high. Herbicide larger plants. Removal can be difficult.



Cassia: *Senna pendula var Glabrata*

Removal: Easy to dig out roots with a mattock.



Asparagus Fern: *Protasparagus aethiopicus var Sprengeri*

Removal: Dig out the main root crown. Minor fibrous roots and water tubers do not need to be removed.



Broad Leafed privet: *Ligustrum lucidum*

Warning: The two types of privet commonly found are highly allergenic and can cause asthma and hay fever.



Narrow Leafed Privet: *Ligustrum sinense*

Warning: The two types of privet commonly found are highly allergenic and can cause asthma and hay fever.

west head tracks

Welcome to Ku-ring-gai Chase National Park, traditional country of the Guringai people. This park has been used by Sydney-siders for over a century, a recreation treasure for families and friends to picnic, bushwalk and enjoy. The park has much to offer for a variety of interests and needs. Relax and enjoy the beautiful native plants, birds and the heritage of our yesteryears.

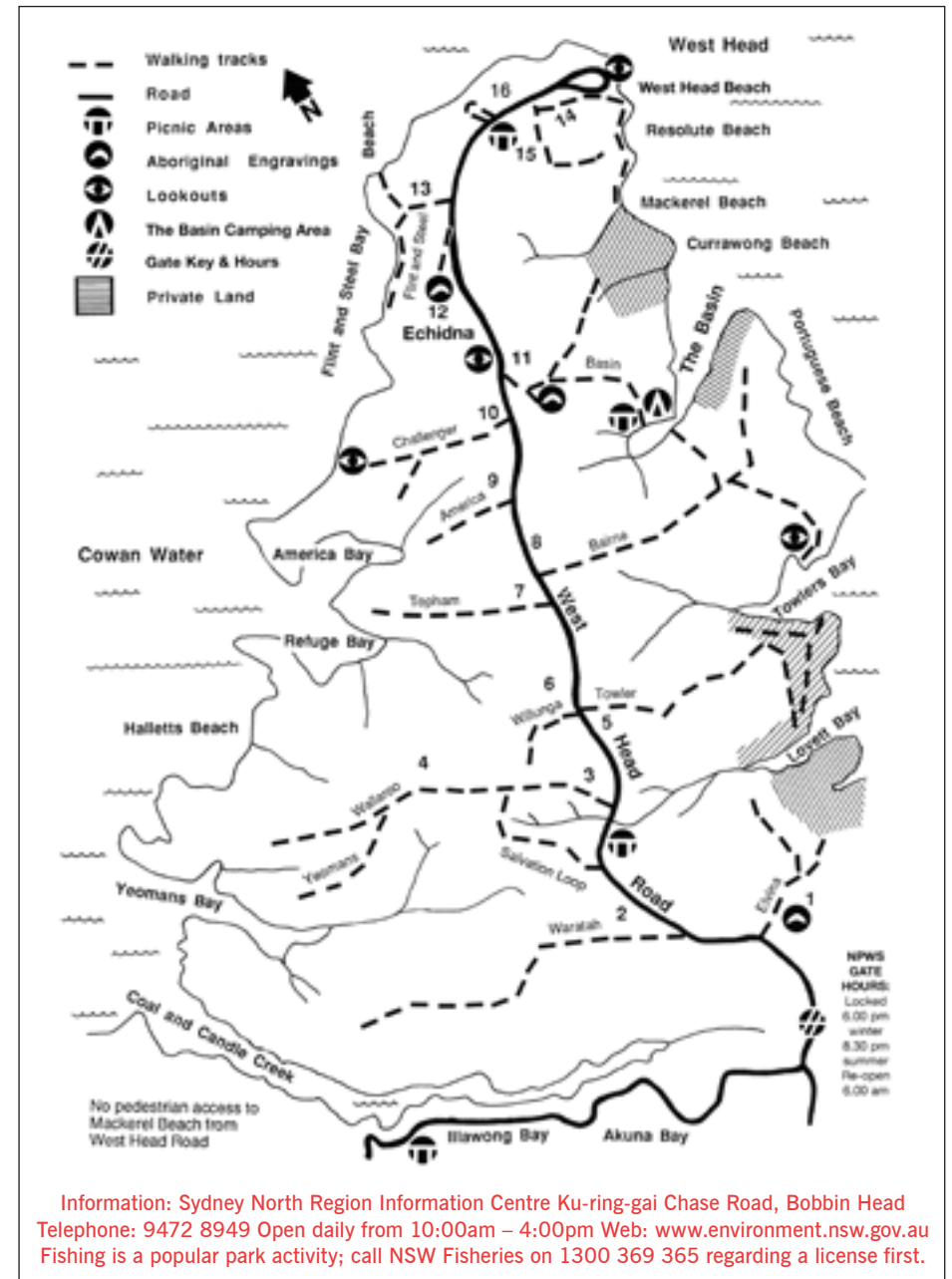
The landscape of Ku-ring-gai is characteristic of the Hawkesbury sandstone. It is situated near the centre of the large sedimentary Sydney Basin. The rocks along the Lambert Peninsula, West Head, are mainly sandstone with some shales. Volcanic activity is evident at West Head and richer dolerite soils can be observed along the Koolewong Track. Although sandstone soils are low in nutrients, over 900 plant species have been recorded. Winter and Spring are the best times to observe wild flowers in the park. From May through to August, the heath banksia is in bloom and its nectar-laden blossoms attract hundreds of honey-eaters. From May to July is mating season for lyrebirds and the male bird may be heard during its territorial display. They may be seen on the Resolute and West Head tracks.

The magnificent lookout at West Head offers views as far as the eye can see! Gaze up Pittwater, across the ocean, up the Hawkesbury River, across to Brisbane Water and Bouddi National Parks on the Central Coast. Barrenjoey Headland lies across the water at the end of the crescent of Palm Beach.

Please remember

- Observe Fire Bans and track closures.
- All plants and animals in the park are protected.
- Please remove all rubbish.
- Please leave your pets at home.
- Respect our cultural heritage.
- Keep to the walking tracks.
- The park is closed from sunset to sunrise.

1	Elvina Bay Track	2.5 km	Some steep grades
2	Waratah Track	4.0 km	Easy walk
3	Salvation Loop Track	2.0 km	Level walking
4	Walleroo Track	4.5 km	Access via Salvation Track. Some steep sections
5	Towlers Bay Track	4.5 km	Easy walk with good views
6	Willunga Track	.75 km	Highest point in Park. Fairly steep with views
7	Topham Track	2.0 km	Easy walk
8	Bairne Track	4.0 km	Easy walk with good views
9	America Bay Track	1.0 km	Difficult walk in parts
10	Challenger Track	1.5 km	Easy walk
11	Basin Track	2.7 km	To Aboriginal engravings and Basin camp site
12	Echidna Aboriginal Engraving Site		
13	Flint and Steel Track	1.5 km	Difficult walking in parts
14	Red Hands Walk/West Head Lookout	1.7 km	Short walks
15	Resolute Loop Track	3.5 km	Starts at Resolute picnic area
16	Koolewong Track	0.4 km	Easy walk through ironbark forest with view





native wildlife

bites and stings

companion animals

poultry

One of the many joys of the offshore life is our close relationship with all creatures great and small, both wild and domesticated. Residents enjoy the great privilege of sharing this unique environment with a wide variety of native birds and animals including cockatoos, king parrots, lorikeets, kookaburras, butcher birds, pelicans, curlews, penguins, monitor lizards, pythons and possums, to name just a few. And of course our community's bond with the humble hound is infamous, celebrated every Christmas Eve with the much-loved Annual Scotland Island Dog Race.

Not all the 'locals' are friendly, however, with numerous nasties, ranging from mosquitoes and paralysis ticks to funnel-web spiders and snakes, capable of inflicting an irritating sting at best, to a dangerous and life-threatening bite, wound or disease.

With a good dose of respect and common sense, and up-to-date knowledge of first aid just in case, it is possible for residents and their companion animals to live in harmony with the true locals of this wonderful area we share. We show you how...



native wildlife

As development encroaches on native habitat, native wildlife such as ring-tailed possums and koalas have disappeared from the Island. Native birds, mammals, reptiles and frogs are increasingly relying on private gardens and remnant bushland to provide this valuable habitat, so we must strive to protect our unique biodiversity by co-existing with the species that remain.

Why are native animals so important?

Wildlife is an essential part of our biodiversity in Pittwater. Without them:

- Pollination of plants could not occur – With the resulting lack of next generation of seed.
- Native seeds and spore, essential for the regeneration of our bushland would not be distributed.
- Control of insects, a vital factor in our ecosystems, would not be achieved.
- Soils would be impoverished and become easily compacted.

Wildlife and bushland has a symbiotic relationship to promote health and viability for both plants and

animals. In fact, our bushland cannot remain viable and healthy into the future without the interaction of native wildlife! The aesthetic component of our environments would also be sadly lacking as our native wildlife provide an inspiring and beautiful context for where we live.

Retain habitat on your property

Protect remnant bushland on your property. All bushland (on both private and public land) is protected under Council's Tree Preservation Order. Retaining native flora saves time and money in trying to replant and recreate a native garden!

Plan your garden to provide a minimal disturbance – A sanctuary area for native wildlife to nest or take

cover. Remove weeds progressively over your site. Disturbing the whole property at once may remove protective cover for native birds and fauna.

Native plants can regenerate from seed stored in the soil if the slope of the land or soil profile is intact, even if the site has been degraded for over 50 years! Wait and see what regenerates before rushing in to plant after weeding.

Plant local native plants

In areas on your block where fill or loss of soil slope has occurred, natural regeneration is unlikely. Planting local native plants helps restore habitat providing food and shelter for our wildlife neighbours.

The natural environment is complex. Try to copy this in your garden planting. Remember birds and animals use plants for many things including food, shelter and breeding sites. Plants need not actually provide food directly but can attract insects which in turn provide food for the local wildlife.

Wildlife friendly gardens need to provide a range of local native species, including larger plants complemented by native ground covers, grasses and small dense shrubs. Dense undergrowth provides protection for small birds and reptiles.

What to plant in your garden

- Find a list of plants appropriate for your area.
- Get more help deciding exactly what to plant using Pittwater Council's PlantFile search.
- Find Council's list of nurseries which supply local native plants and use Council's Planting Guidelines to ensure your plants thrive!
- Want someone else to do all the hard work? Find a bush regenerator!

Further information

For further information and a full list of the native plant and wildlife species found in this unique area please visit Pittwater Council's website at <http://www.pittwater.nsw.gov.au/environment>



What you should do:

- Protect the natural habitat and plant natives in your garden.
- Control your pets and respect that their home is also home to the true locals.
- Help any injured bird or animal you find by catching it and placing it in a box in a warm, quiet, dark room and calling WIRES Sydney Rescue Office on 8966 3333 (24 hours a day, 365 days a year) who will arrange for a Rescuer to contact you.
- Protect your property against bushfires.



What not to do:

- Destroy the native plants on your land – They provide native wildlife with essential food, shelter and habitat.
- Let your pets run free. Animal disturbance and scent can drive wildlife from their safe havens.
- Feed native birds and animals! Food supplied by well-meaning people results in increased nutrient deficiencies, an over-abundance of some species and the disappearance of others.



bites and stings

Creepy crawlies of all shapes and sizes are common place in the Pittwater region, both on land and in the water. However, with a healthy dose of common sense, it is possible to avoid any nasty confrontations and live in harmony with our more fearsome neighbours.

Where to get help:

- In an emergency, call triple zero (000) for an ambulance. Be ready to provide the Operator with specific information regarding the location and nature of the incident.
- Telephone the NSW Poisons Information Centre on 13 11 26 or visit their website at www.poisonsinfo.nsw.gov.au
- Mona Vale Hospital Emergency Department.
- Your doctor or local pharmacist.

Remember:

- In most cases, firmly bandage the wound and keep the patient still.
- Do not use tourniquets, cut a puncture site or suck out the venom.

- In the case of ticks, do not kill the tick before removal as it will release more toxins into the bloodstream.
- If you suffer from an allergy, always carry anti-histamines or an EpiPen (portable adrenaline injector).
- Always seek medical advice as quickly as possible.

Further Information:

There are many websites providing a wealth of first aid information. We recommend:

- www.mydr.com.au/allergy/bites-and-stings-first-aid
- www.holidaysallover.com.au/travel_about_au/articles/first_aid_bites_stings.html

Australian Paralysis Ticks: Ticks are blood-sucking external parasites which strike both people and pets. The most common tick in the Pittwater region is the Australian Paralysis Tick (*Ixodes holocyclus*). They burrow into the skin and suck blood, releasing toxins into the bloodstream.

first aid for tick bites

- Remove the tick with fine point tweezers. Do not kill before removal – this causes it to inject more toxins and bacteria.
- Grasp behind its head as close to the skin as possible. Gently pull straight out. Do not twist or jerk. Wash thoroughly.
- Remove grass ticks by soaking in a warm bath with 1 cup of bicarb.
- Apply nettle or aloe anti-itch ointment.
- Seek medical assistance if there is an allergic reaction. If you are allergic, carry anti-histamines or an EpiPen.

Prevention:

- **Maintain your yard:** Keep area clear around your barbecue, verandahs and paths. Ticks lay eggs in sheltered damp spots then larvae climb onto grass and shrubs and wait for a host to pass. Ticks like lantana, so remove where possible.
- **Keep Covered:** Wear long pants tucked into socks, a hat, long-sleeved shirts etc. Light-coloured clothes improve chances of seeing ticks crawling and insect repellent helps.
- Check clothing and pets before entering house. Check ears, scalp, armpits, groin and knees.

Symptoms:

- Severe itching.
- Muscle weakness and generally feeling unwell.
- Allergic reactions including difficulty swallowing, difficulty in breathing and anaphylactic shock.
- Progressive and occasionally fatal paralysis (seen in wobbly dogs). In warm weather this toxic secretion begins on the third day of the tick's attachment and peaks on the fifth or sixth day.

Side effects:

- Infections.
- **Tick Typhus or Spotted Fever:** Symptoms include swollen glands, headaches, rashes (although sometimes absent), fever and flu-like symptoms. Generally fever starts one to 14 days after the tick bite, followed by a rash within a few days.
- **Lyme's disease:** Rashes, fever, muscle and joint pain, and arthritis. The disease can be chronic but is rarely fatal and is treatable with antibiotics if promptly diagnosed and treated. Lyme disease is serious in pregnancy as it can infect the baby, cause miscarriage, still birth and death after birth.

Further Information:

- www.tickalert.org.au/ or for information on tick allergies, please visit the Tiara Foundation at www.tiara.org.au

paralysis tick identification



Snakes: Most Australian snakes are defensive by nature and are unlikely to approach humans unless disturbed. The red-bellied black snake, common in Pittwater, is highly venomous and there are recorded deaths from bites.

Prevention:

- Wear sensible shoes and socks when outdoors.
- Wear heavy gloves when gardening.
- Do not put hands or feet in or under logs, rocks, hollows, crevices or debris without first checking for nasty surprises.

Symptoms:

There may be no initial symptoms after a snake bite, however nausea, vomiting, sweating, abdominal pain, headache, diarrhoea, chest pain, drowsiness and double vision may develop over time.

Further Information:

- www.medicineau.net.au/resources/handouts/snake_bites.pdf

first aid for snake bites

- Keep the victim still and bring transport to them.
- Do NOT wash the bite, suck out the venom or cut the affected area – doctors need the venom to be able to identify the snake species.
- If the bite is on the head, neck or back, apply firm pressure
- Apply a crepe bandage firmly to the limb, particularly over the bite site, and immobilise with a splint to stop the spread of venom.
- Seek medical attention, preferably by ambulance equipped with resuscitation facilities and anti-venom.



Funnel-Web Spiders: Funnel-web spiders have highly toxic and fast acting venom. They burrow in moist, cool, sheltered places – Under rocks or rotting logs and in crevices or rough-barked trees. In gardens, they are rarely found in open situations. Gardeners may encounter funnel-webs in burrows at any time of year.

Prevention:

- Wear shoes, long pants and heavy gloves when gardening.
- Avoid walking with bare feet, especially at night.

Symptoms:

- Pain, mouth numbness, vomiting, abdominal pain, sweating and salivation.

Further Information:

- www.amonline.net.au/spiders/

first aid for funnel-web bites

- Funnel-web bites are particularly painful. Apply an ice pack to the bitten area to help relieve the pain.
- Do not apply a pressure bandage to the wound as the venom moves slowly through the body and pressure only worsens the pain.
- Seek medical attention immediately.

Mosquitoes: Mosquitoes are blood sucking insects which transmit harmful diseases throughout the human and animal populations of the world.

Prevention:

- Use mosquito coils, citronella candles and electric mats around the house.
- Grow mosquito repelling plants such as Tree Wormwood (*Artemisia arborescens*) or Cotton Lavender plant (*Santolina chamaecyparissus*) near outdoor entertaining areas.
- Screen windows, doors and water tanks including the overflow pipe, to prevent mosquitoes entering or leaving the tank. Cover the top of your tank.
- Empty containers in your garden that hold water, including pot plant saucers, tyres, guttering and tins to prevent breeding.
- Stay away from places infested with mosquitoes.
- Limit outdoor activities at dusk – Peak hour for mosquitoes.
- Always wear protective clothing when outside – long sleeves and long pants, shoes and socks.
- Use repellent containing 20 per cent DEET (diethyl toluamide).

Symptoms:

- Occasional severe reactions to mosquito saliva.
- Swelling, redness and irritation at the bite site.
- If bites are scratched, they may become infected with bacteria and a secondary infection can result.

Treatment:

- Anti-itch ointment.

Side effects:

- Mosquito borne diseases in Australia include Dengue fever, Australian encephalitis, Ross River and Barmah Forest viruses.

Further Information:

- www.medent.usyd.edu.au/arbovirus/mosquito/mosqfact.htm



Leeches: Leeches are blood sucking worms who live in damp places attaching to people and animals. After biting the host they feed for up to two hours, consuming between two and ten times their own weight before releasing their grip. An anaesthetic in the saliva of leeches results in bites that are initially painless.

Prevention:

- Use insecticide around socks and shoes.
- Seal trouser legs to boots with socks or gaiters.

Symptoms:

- Slow bleeding for a long time.
- Itchiness after about 12 hours.
- Allergies ranging from welts to anaphylactic shock.

Further Information:

- www.amonline.net.au/factsheets/leeches.htm

first aid for leech bites

- Remove by applying lit match or sprinkle with salt. Apply bandaids to aid clotting.
- Relieve itch with calamine or tea tree oil.
- If throat swells, sucking ice may help until patient can obtain medical treatment.
- Perform CPR if patient stops breathing.
- If you are allergic, carry anti-histamines or an EpiPen (a portable adrenaline injector).

Bluebottle or Portuguese Man o'War: The Bluebottle is not a single animal but a colony of four of highly modified, interdependent individuals (polyps) concerned with catching and digesting food and reproduction. Connected and supported by a float and they are found in coastal waters.

Prevention:

- Do not enter the water if you see a Bluebottle.

Symptoms:

- Intense pain lasting from a few minutes to hours, developing into a dull ache spreading to joints.
- A red line with small white lesions in the affected area with blisters and weals in severe cases.
- White lesions and red weals.
- Shock and respiratory distress.

Further Information:

- www.amonline.net.au/factsheets/bluebottle.htm

first aid for bluebottle stings

- Do not allow rubbing of the sting area.
- Remove any remaining tentacles, with tweezers.
- Immerse the affected area in hot water (45°C) for 20 minutes.
- If the pain is not relieved by the heat, or if hot water is not available, apply cold packs or wrapped ice.
- Offer painkillers.
- Seek medical attention.

Stingrays: Stingrays are usually large and flat, with pectoral fins that look more like wings than fins which are used for propulsion. Rays like to roam along the seabed and sometimes bury themselves in the loose sediment as protection against predators. Their venomous tail barbs can cause nasty wounds.

Prevention:

- Stingrays are often hard to see – keep close watch.
- Slide your feet along the sand when walking in shallow water to scare any stingrays away.

Symptoms:

- Contact with the stinger causes local trauma (from the cut itself), and later may result in infection from bacteria or fungus.
- The injury is very painful, but seldom life-threatening unless the stinger pierces a vital area.
- Symptoms may include nausea, vomiting, salivation, sweating, respiratory depression, convulsions, cramping, abdominal pain, cardiac arrhythmia, myocardial ischaemia.

first aid for stingray wounds

- Staunch any profuse bleeding with the application of a local pressure bandage to the wound.
- Immersing the injured area in hot water (45°C) for 30 minutes helps alleviate the pain.
- Carefully examine the wound and remove any foreign material.
- Seek medical advice.
- If the patient has not had a tetanus immunisation booster within the last five years, ensure this is given by a doctor.

Blue-Ringed Octopus: Although small, the blue-ringed octopus has venom powerful enough to kill humans. They live in shallow rock pools amongst algae and seaweed, hiding in crevices or the empty shells of other marine animals.

Prevention:

- The colour of 'rock' (mottled brown), they have an incredible ability to camouflage. The blue rings only become visible when aggravated.
- Never put your hands into deep crevices or areas where you cannot see in rockpools.

Symptoms:

- Weakness, nausea, numbness, blindness, loss of speech, touch and the ability to swallow, motor paralysis, fixed dilated pupils and respiratory arrest within minutes, leading to cardiac arrest.
- As bites are often painless, victims don't realise they've been bitten until breathing problems set in.

first aid for octopus bites

- Put a pressure immobilisation bandage over the wound.
- Keep the patient still to avoid spreading venom through the body more quickly.
- Commence CPR once paralysis has disabled the victim's respiratory muscles.
- Avoid negative comments and panic as the patient, although unable to respond, is completely conscious and alert.
- Seek immediate medical treatment.

Box Jellyfish: Pale blue, transparent and shaped like a box about the size of your head, the Box Jellyfish is one of the deadliest venomous animals. Its tentacles stretch to three metres and are covered in thousands of stinging cells which fire off when touched.

Prevention:

- Keep your eyes peeled and never swim if you see box jellyfish in the water.

Symptoms:

- Irrational behaviour due to excruciating pain.
- Tentacles on the skin are usually present.
- Savage, multiple whip weals with a frosted ladder pattern in the sting marks.
- Box jellyfish stings are extremely dangerous and can cause death in less than four minutes.

Further Information:

- www.animals.nationalgeographic.com/animals/invertebrates/box-jellyfish.html

first aid for box jellyfish stings

- Pour vinegar over adhering tentacles to de-activate stinging cells (nematocysts) This will NOT will not decrease pain or lessen the effects of the venom but will prevent the injection of more venom.
- NEVER use methylated spirit or alcohol, which will cause the nematocysts to increase the discharge of venom.
- Ice may help alleviate the pain while waiting for medical assistance.
- Immobilise victim and seek immediate medical treatment.



companion animals

Love me, love my pet. It doesn't really work that way, does it? How many times have we seen environmentalists and pet owners falling out? It IS possible for people with animals to live in harmony with their neighbours and our unique offshore environment. It's all a question of balance and a little bit of effort on the part of pet owners.

The NSW Companion Animals Act 1998 balances the needs of domestic animals, their owners, the community and the natural environment. This Act aims to ensure that pet owners, pets, and non-pet owners live together harmoniously and the natural ecosystem is protected.

Responsible dog ownership

- Don't get a dog unless you can provide a home for life.
- Identify, register and attach a collar and identification tag.
- Contain your dog safely on your property.
- De-sex, vaccinate and worm your dog.
- Check your dog daily for ticks and consider a tick prevention treatment program.

- Socialise and train your dog to prevent anti-social behaviour.
- Provide a suitable environment and stimulation for your breed.
- Protect native animals – Keep your dog inside at night.
- Warn visitors to your property by displaying appropriate signs.
- Ensure your property is securely fenced and access is prevented.
- Always supervise young children in the presence of your dog.
- Keep your dog under control at all times.
- Walk your dog on a leash and always clean up after it.
- When in public, muzzle a dog that may display aggressive behaviour.

- Never teach your dog to attack.
- Never ignore undesirable behaviour in your dog. Seek assistance from a professional trained in animal behaviour and consult your veterinarian to eliminate illness as a cause.

Excessive barking

Excessive barking mostly happens when the owner is absent. If you are being annoyed by a neighbour's dog, let the owner know in a friendly way, offering a chance to work out why the dog is barking and how to fix it. Most owners don't want an unhappy pet and will consider obedience classes, increased activity, more exercise, or simply more company. Helpful advice and assistance can be obtained from trainers and vets. If this doesn't work ask a Council Ranger for help.

Common causes of excessive barking

- Boredom, loneliness, confinement and isolation.
- Lack of exercise and activity.

- Separation anxiety.
- Specific stimuli eg people, vehicles, other dogs or wildlife.
- A health problem.

Responsible cat ownership

- Don't get a cat unless you can provide a home for life.
- Identify, register and attach a collar and identification tag.
- Desex, vaccinate and worm your cat.
- Check your cat daily for ticks.
- Ensure your cats interact daily with humans.
- Provide shelter, bedding, scratching posts, food and water.
- Check your cat daily for fleas and ticks.
- Protect native animals by attaching two bells to the cat's collar, keeping it inside at night and monitoring it during the day.
- Going on holidays? Pets need more than just food and water so make sure the arrangements for your cat are suitable.



dogs

Owners in NSW are required to:

- Microchip dog before it is re-homed or before 12 weeks of age (whichever comes first).
- Register the dog at six months of age and attach a collar and identification tag.
- Leash the dog in public at all times.
- Pick up the dog's waste.
- Ensure the dog does not attack.
- Ensure dog does not enter food consumption areas, wildlife protection areas, playgrounds or within 10 metres of playground equipment or any other place prohibited to dogs.



cats

Owners in NSW are required to:

- Microchip cat before it is re-homed or before 12 weeks of age (whichever comes first).
- Register the cat at six months of age. Cats born before 1 July 1999 are exempt from microchip and registration, however must be identified. Owners can choose to microchip their cat or attach collar and identification tag. The exemption will no longer apply if the cat is re-homed or impounded.
- Ensure cat does not enter food consumption areas or wildlife protection areas.



poultry

Keeping chickens in the backyard is an easy, economical way to produce fresh eggs free of nasty chemicals and hormones. In addition, chickens provide a good supply of manure for the compost heap or garden, eat garden waste and kitchen scraps and enjoy nothing more than grazing the yard for bugs and weeds. And we all know, happy hens produce the best tasting eggs!

Pittwater Council requirements for keeping poultry

- Always consult with your neighbours before building a coop and obtaining any poultry.
- Do not keep roosters in residential areas due to likely noise nuisances.
- Store poultry feed so as not to attract vermin.
- Poultry must not be kept under such conditions as to create a nuisance or to be dangerous or injurious to health.
- Poultry yards must at all times be kept clean and free from offensive odours.
- Fowls (that is, birds of the species *Gallus Gallus* - eg chickens) or guinea fowls must not be kept within 4.5 metres (or such greater distance as the Council may determine in a particular case) of a dwelling, public hall, school or premises used for the manufacture, preparation, sale or storage of food.
- Poultry (other than fowls such as ducks, geese, turkeys, quails, pigeons, doves, etc) must not be kept within 30 metres of a dwelling, public hall, school or premises used for the manufacture, preparation, sale or storage of food.
- The floors of poultry houses must be paved with concrete or mineral asphalt underneath the roosts or perches. However, this sub-clause does not apply to poultry houses:
 - (a) That are not within 15.2 metres of a dwelling, public hall or school, or
 - (b) That are situated on clean sand.
- Poultry yards must be so enclosed as to prevent the escape of poultry or break-ins by predators such as dogs, goannas, snakes etc.

Tips for keeping chickens

1. Create an easily maintainable and comfortable chicken coop. Consider how much space each chicken needs in order to avoid over-crowding and ensure you provide a warm, safe laying environment protected from the elements which includes a roosting space.
2. Create a safe area for your chickens. Protect them against outside predators and make sure they cannot escape themselves. Chickens like to jump and can scale high fences even with clipped wings. They also like to dig enabling them to escape under fences.
3. Provide ample space for chickens to roam. Chickens cooped up in one small area are generally stressed, unhappy and can 'hen-peck' each other. Giving them time to free-range benefits egg quality and improves their diet.
4. Choose the best possible food for your chickens. There are many organic food options available which provide your flock with the nutrients they require and do not contain pesticides or chemicals found in cheaper alternatives. Choose feed which provides adequate protein which is crucial for egg production and provide plenty of food scraps and weeds to vary their diet.
5. Chickens are friendly, social animals so always keep at least two to avoid stress caused by loneliness. They also enjoy human interaction so provide plenty of love and attention from the start so they become accustomed to handling.
6. Chickens need to be checked on regularly to ensure their health and happiness. Keep the coop clean at all times and treat your chickens for bugs, worms and other insects. A healthy, chicken is bright-eyed, alert and active.
7. Decide what age chickens you would like to purchase. Children love watching baby chicks grow into laying hens, but be prepared to wait before they start laying. Instead, you may like to purchase 'point of lay' chickens or 'pullets' which will begin laying after only a few weeks.
8. An egg-laying chicken has only one year of peak egg production. After that 12 month period, she'll molt (lose her feathers) and stop producing. In six to eight weeks she will regrow her plumage and begin to lay again, but the number of eggs will be 10 per cent lower than her first year.
9. Protect your garden. If you enjoy gardening or have a vegetable patch, be prepared for attack if you allow your chickens to free-range. Chickens like to nibble on fresh flowers and vegetables and, although wonderful at removing pests and bugs, they can destroy a garden in seconds.
10. Ensure your coop does not attract rats. Chickens themselves do not attract rats, but rats are attracted by their food and eggs. Rat infestations pose a health risk to both chickens and humans and are a fire risk when they relocate to buildings and chew through wiring. Ensure you clean your coop regularly, do not over-feed your chickens, store feed in secure containers and collect eggs on a daily basis. Good hygiene will not only deter rats but will also keep your poultry healthy and prevent unpleasant odours.
11. And finally, be courteous and always consider and consult your neighbours when keeping chickens. Do not install coops close to homes where their noise while laying can be intrusive. Ensure your coop does not create offensive odours or pose a health and safety risk by attracting rats. And do not indiscriminately bait for vermin which is extremely dangerous for children, domestic pets and wildlife alike.

The average chicken lays about four eggs a week or 250 eggs a year.

Chickens love a good dirt bath which helps suffocate poultry lice.

Course shell grit during peak laying periods provides calcium and aids production of good quality shells.

Crossbreeds like the White Leghorn Cross, Australorp Cross and Rhode Island Red Cross are recommended.

fast facts



Aurelia aurita

Photo by Nathalie Muir

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Getting things done when living offshore can sometimes prove a little tricky! Fortunately, there are many innovative local businesses with the means, knowledge and experience to make life that much easier by servicing the unique needs and demands of the offshore community.

Once again we boast a wide variety of businesses to cater for your every need, from tradesmen to green thumbs, marine experts to water specialists, vets for your favourite furkids, plus business and finance whizzes to help you stay on top of it all.

Scotland Island Residents' Association would like to take this opportunity to extend a very big thank you to the many businesses who have supported the 2013 Pittwater Offshore Directory. By advertising with us, you have underwritten a valuable community resource and we trust it will continue to be a viable investment for you all in the future.

We encourage all offshore residents to support these local businesses and, in turn, support the Pittwater Offshore Directory.




CHURCH POINT FERRY SERVICE

A SAFE, FRIENDLY SERVICE FOR THE COMMUNITY

We've ferried passengers in Pittwater for almost 70 years. Ride with us!
Say good day to your neighbour and support a vital community service.

Reduce your carbon footprint...catch the ferry!



Try chartering a ferry big or small for your next party!

PO Box 243, Church Point NSW 2105
Ferry Master 0408 296 997 Administration 0433 038 408
www.churchpointferryservice.com info@churchpointferryservice.com



Scotland Island Community Vehicle

How It Works

- Volunteers give their time for a 24-hour duty period – It is not a taxi service.
- Maximum of four passengers – Shopping, luggage, etc to be carried in rear utility.
- Animals may ONLY be carried in the rear utility.
- Securely packaged garbage may ONLY be carried in the rear utility.
- During wet weather the service may be suspended due to road conditions.

Transport Charges

- \$12.00 per trip paid at time of use.
- \$7.00 per trip concession upon application and approval.
- Cheques are not accepted and no credit is available – Please, no \$50.00 notes!

Booking Procedures

- Regular service hours are from 8:00am to 9:00pm, seven days per week.
- Bookings between 8:00am and 9:00am MUST be requested the previous day.
- Advance notice of bookings must be a minimum 30 minutes.
- Bookings between 7:00pm and 9:00pm require two hours notice (by 5:00pm).
- Shoulder period between 9:00pm to 10:00pm, seven days per week.
- Bookings MUST be requested by 7:00pm and are subject to driver availability.
- Fare \$20.00, no concessions.
- Check availability BEFORE shopping as vehicle may be out of service.
- Please contribute to the efficiency of the service by using the booking procedures.

Emergency Services

- 24-hour emergency transport is free for residents and/or emergency personnel.

Invalid/Disabled and Aged Service

- Service is \$7.00 for residents with current disability card and over 75 years-of-age.
- Applications must be completed and submitted with proof of concession.
- Wheelchairs can be transported in the rear utility compartment.

Transportation of Goods

- The vehicle only carries small quantities of furniture, building materials, etc.
- The driver is not required to lift heavy items and reserves the right to refuse to carry such goods and refer you to a commercial Island carrier instead.

For bookings call 0404 103 700

www.scotlandisland.org.au



SCOTLAND ISLAND HALL

The Scotland Island Hall nestles amongst the trees in Catherine Park close to Tennis Wharf and can be hired for workshops, functions and other activities.

- Description:** Community hall with timber floor and North facing balcony overlooking Catherine Park on Scotland Island
- Capacity:** 90 people maximum
- Facilities:** Kitchen with refrigerator, stove and large oven, microwave, water heater, two toilets, 3-phase power, raised section for sound and lighting operation
- Furniture:** 8 tables and 90 chairs

For all enquiries please phone Kez on 9999 4092
or email kezborthwickbolton@gmail.com



2 – 6 year olds



LONG DAY CARE CENTRE

Tuesday,
Wednesday,
Thursday

Hours
7:30am to
5:30pm

All enquiries
please call
9979 7856

Child care benefit and child care tax rebate is available
to eligible families enrolled in the day care program

Scotland Island & Offshore Children's Services Inc | Accredited Pre-School
PO Box 363 Church Point NSW 2105 | Telephone: 02 9979 7856
Email director.sioocs@comcen.com.au | Web: www.sioocs.org

keeping in touch

Pittwater Offshore Newsletters

Our wonderful electronic newsletters will keep you abreast of offshore issues and events, including entertainment and leisure activities. From rock concerts to boat races, offshore and bush care groups, ticks, mozzies, boat launchings, informed gossip and hard news including Pittwater Council news releases, there is something for everyone. It's informative and it's for YOU. Join up today! No spam, no viruses, absolute privacy and totally free!

Pittwater Offshore Newsletter

For all of us who live offshore or those who would like to!

To get on or off the Pittwater Offshore Newsletter, visit www.scotlandisland.org.au/signup. This newsletter has grown from just 20 subscribers to its first issue in 2000, to over 800 today. The PON, as it is known by locals, has expanded to become the preferred means of communication by most offshore residents.

To read past newsletters visit www.scotlandisland.org.au/newsletters/archive.html
Send editorial copy for the PON by emailing editor@scotlandisland.org.au

BaysNews

Residents of the Western Shores of Pittwater

Subscribe to BaysNews by contacting Brigitte at brigitte@amadesign.com. Your contributions are welcome – it's EASY! Type your short contribution (100 words is fine). Provided it is of general community interest, does not include matter of a political nature and is not offensive to your neighbours, it will appear in the next issue.

Send editorial copy for BaysNews to Brigitte at Brigitte@amadesign.com

We respect your privacy. Your name and confidential information will never be shared with anyone for any reason, and you can remove yourself from our newsletter contact lists at any time.



Are you or have you ever been BLUE? Let Scotland Island Players lift you up

If you haven't danced to the Blues Brothers, gaped open-mouthed in wonder at our talented Ladies Singing the Blues, fallen on the floor laughing at Goose! or rocked out with Rocky Horror, you may well have been blue.

Don't just sit back being miserable – Come, meet and enjoy the Island Players. We don't care if you are old, young or somewhere in between. We don't even care if you can't act, dance, sing or play a musical instrument! There are so many opportunities to learn enough to get by or take part in one of the many fun-filled and rewarding activities involved in getting a show together, either on stage or behind the scenes, not to mention partying after performances!

Why are we here? We are here first and foremost to enjoy ourselves and secondly to ensure everyone coming to one of our shows enjoys themselves too. Why not come along to one of our workshops, play readings or rehearsals - But don't forget your wine and nibbles!

What are we? Hopefully it's obvious, but just in case you think we're all up there earning a fortune from our thespian endeavours, the Island Players is an offshore community theatre group, based on Scotland Island, which performs in the Community Hall and generally rehearses there as well. Any profits are put towards future productions and/or donated to worthwhile causes such as the Island Kindy or the Victorian Bushfire Appeal.

If you would like to find out more, phone Kez or Bob on 9999 4092 or check the Island Players out on www.scotlandisland.org.au



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islandthinking

Function: noun | Usage: Colloquial | Etymology: Pittwater 21st C

- 1. The state of mind of inhabitants of isolated paradise environments: Liable to be at variance with normal paradigms.
- 2. Simple enjoyment of one's environment.
- 3. An assembly of offshore residents enjoying each other's company.

Every offshore resident is an interesting, slightly unusual person. That's why they are not living on the mainland. IslandThinking is a way of finding out about each other.

The format is simple. Someone volunteers to present something that is important to them, something that has been a life passion or pursuit. It may be an art, a craft, a philosophy or a profession. In this way we get to know those with whom we live in this unusual community. All presentations are free-form and the audience is guaranteed to be attentive and kind.

IslandThinking runs sporadically about four or five times per year and over the years we've heard from academics, mothers, artists, lawyers, writers, musicians, children and many more. The subject matter is always interesting but the real discovery is about each other.

To hear about what's on, get on the mailing list by contacting Jenni at jenni.cover@ursys.com.au or 0409 560 008 or Roy at roybaker99@yahoo.com



women on water

WOW is a group of dynamic and diverse offshore women who enjoy getting together over lunch (and maybe a drink or two), for interesting, lively and thought-provoking discussion.

International Women's Day in March usually marks the first of our meetings, with remaining get-togethers held at each other's homes with the topic chosen by the hostess. From 2013 however, we are to venture 'on-shore' to broaden our horizons for discussion to include Writer's Festival, film, art and community events aimed at raising social awareness of issues (including, but not limited to women).

Everyone is welcome – young, mature and in-between and to ensure that everyone has a chance to come along, meetings which are held quarterly (usually March/June/September/December) will now alternate on a different day each time (dates and times to be advised in the PON).

BYO lunch plate to share/drink of choice and, most importantly, a good sense of humour! Looking forward to seeing many more of you.

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A black and white photograph of a modern building's exterior with large glass windows and a wooden balcony. The text "@telier 41 architecture" is overlaid in a large, white, sans-serif font. Below it, contact information for Aran Willman is listed. At the bottom, the text "custom design houses • alterations / additions • 3D computer walk throughs" is displayed.

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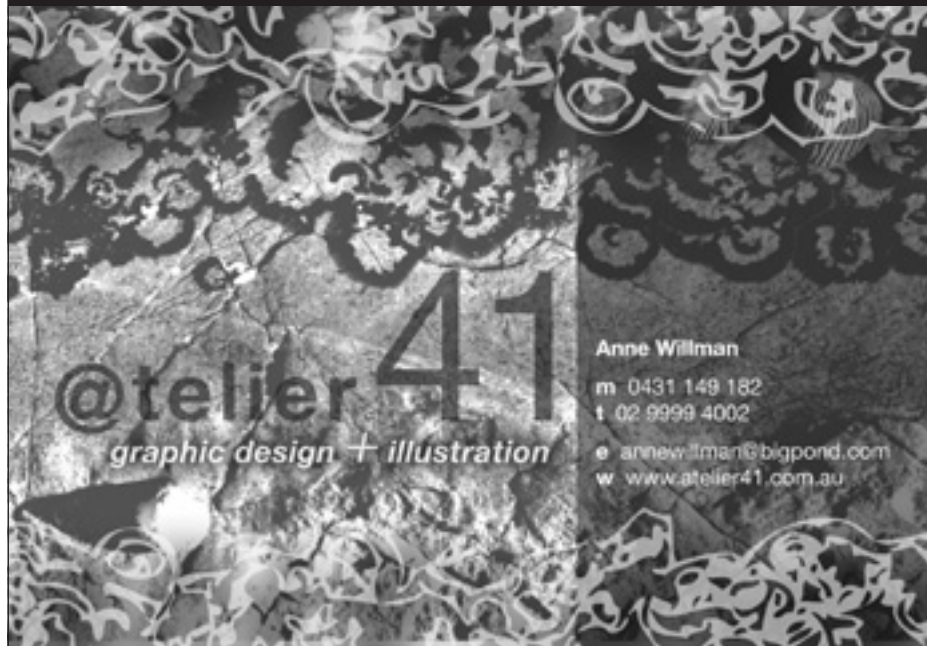
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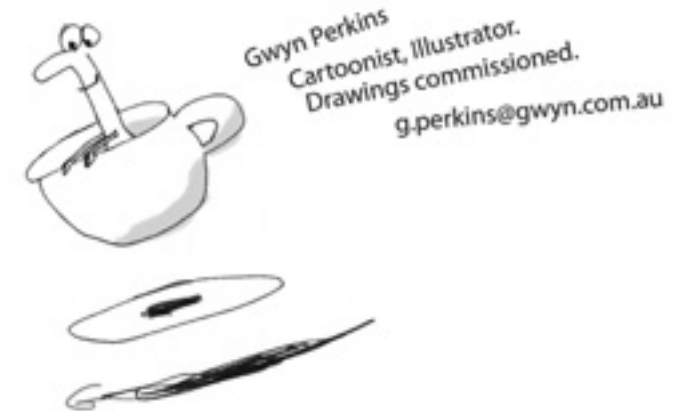
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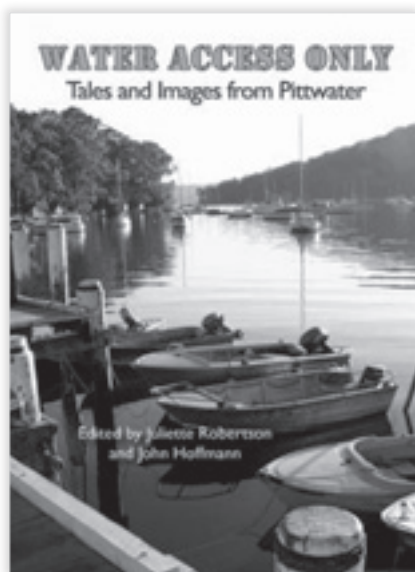
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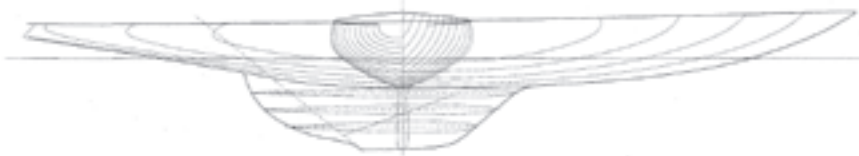


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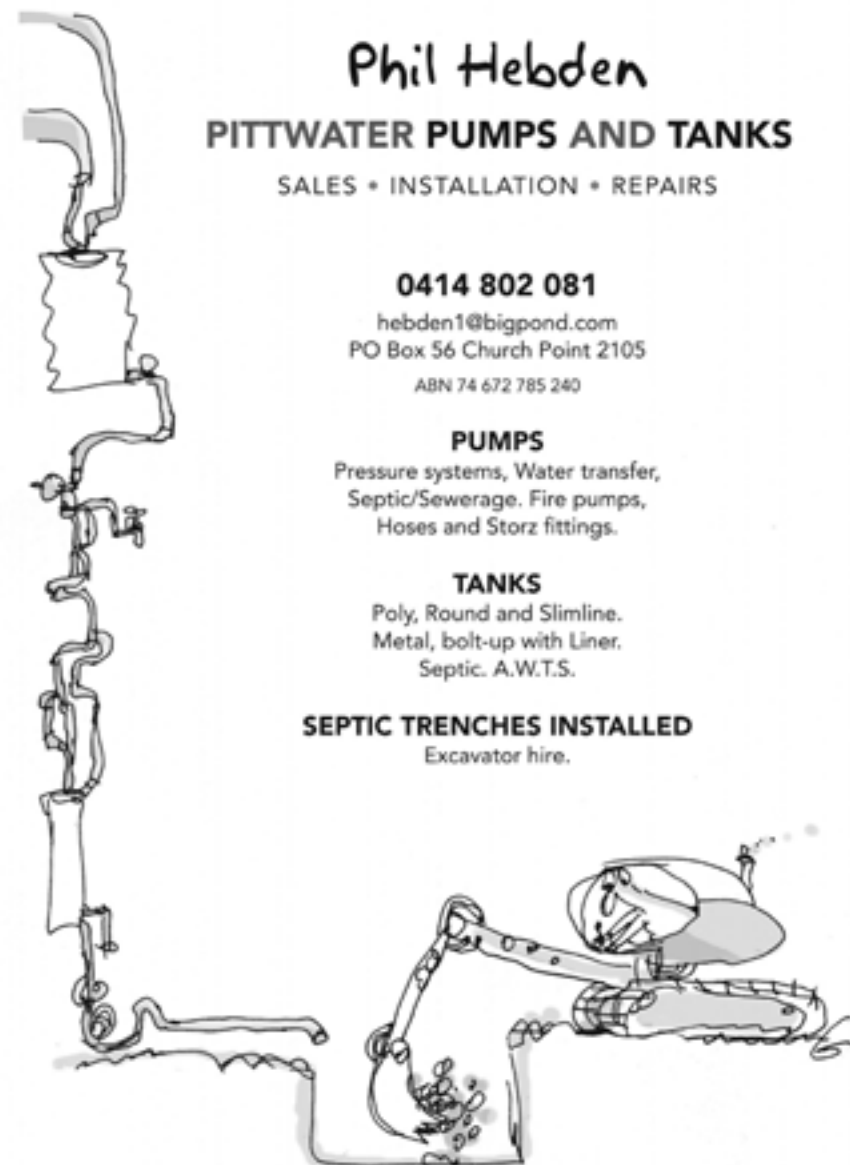
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useful contacts

The 2013 issue of the Pittwater Offshore Directory boasts more telephone listings than ever before for residents of Scotland Island, the Western Foreshores, Mackerel Beach and Coasters Retreat, making it easier to stay in contact with members of this unique community.

For the first time, we have also included the mobile phone numbers of all offshore residents who requested this listing.

In this section you will also find a list of useful

contact numbers, catering specifically for the unusual offshore lifestyle and its quirky requirements. This covers a wide range of organisations and services including emergency services, Justices of the Peace, Local Government and political representatives, veterinaries and wildlife rescue, weather and tides, National Parks, the many and varied offshore community organisations, road and water transport options, accommodation and marine services as well as contact numbers for both the Post Office and the Waterfront Store at Church Point.



contacts

useful contacts



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• Lovett Bay.....	9979 1612	www.bushfire.nsw.gov.au
• Mackerel Beach.....	9974 1162	www.bushfire.nsw.gov.au
• Headquarters Terrey Hills.....	9450 3000	www.rfs.nsw.gov.au
State Emergency Service	13 25 00	www.ses.nsw.gov.au
• SES Warringah/Pittwater.....	9486 3399	
Maritime NSW		www.maritime.nsw.gov.au
• Hornsby (Mon-Fri).....	9477 6600	
• Pittwater (Fri-Sat).....	9979 8055	
Energy Australia	13 13 88	www.energy.com.au
Sydney Water	13 20 90	www.sydneywater.com.au
Poisons Information	13 11 26	www.poisonsinfo.nsw.gov.au
Mona Vale Hospital		www.nscchealth.nsw.gov.au
• Emergency.....	9998 0288	
• General.....	9998 0333	
Department of Community Services		www.community.nsw.gov.au
• Chatswood Office.....	9406 9777	
• Child Abuse.....	13 21 11	
• Domestic Violence.....	1800 656 463	
Scotland Island Residents' Association		www.scotlandisland.org.au
Emergency Water Supply		sirac@sira.org.au
• Line 1 Monitor.....	9999 4449	
• Line 2 Monitor.....	0418 220 107	
• Line 3 Monitor.....	0418 220 107	

local government and related services

Pittwater Council (24 hours).....	9970 1111	www.pittwater.nsw.gov.au
Kimbriki Tip.....	9486 3512	www.kimbriki.com.au
United Resource Management.....	9450 1577	www.urmgroun.com.au

church point

Church Point Post Office.....	9999 3089
Waterfront Store.....	9999 2793

justices of the peace

Scotland Island.....	www.scotlandisland.org.au
• Bob Bolton.....	0414 994 092
• Paul Burchall.....	0414 975 793
Elvina Bay	
• Paul Purvis.....	0403 442 764
Pittwater Council Customer Service	9970 111
	www.pittwater.nsw.gov.au

weather and tides

Weather Forecast	www.bom.nsw.gov.au
Marine Weather	www.bom.nsw.gov.au/marine
Tides	www.bom.nsw.gov.au/oceanography/tides

animals

WIRES	8977 3333	www.wires.org.au
Dr Ray's Veterinary	0416 512 664	
Pittwater Animal Hospital	9913 7979	www.pittwateranimalhospital.com.au
Mona Vale Animal Hospital	9999 2269	www.monavalevet.com.au
Forestville Veterinary Hospital	9451 3512	
(24 hour emergency service).....	9451 4980	

national parks

General Information	9995 5000	www.environment.nsw.gov.au
Bobbin Head Visitor Centre	94728949	bobbin.head@environment.nsw.gov.au
The Basin Camping Bookings	9974 1011	www.environment.nsw.gov.au

transport

SI Community Vehicle	0404 103 700	www.scotlandisland.org.au
Church Point Ferries	0408 296 997	www.churchpointferry.com.au
Palm Beach Ferries	9974 2411	www.palmbeachferry.com.au
Pink Water Taxi	0428 238 190	www.pinkwatertaxis.com.au
Peninsula Water Taxis	0415 408 831	
Sydney Buses	131 500	www.sydneybuses.info
Forest Coaches	9450 2277	www.forestcoachlines.com.au
Airport Shuttles		
• Airport Shuttle North.....	9997 7767	
• Northside Shuttle.....	9939 4599	
• Collaroy Transfers.....	9984 1420	
• Manly Airport Bus.....	9981 1453	
• Coastline Shuttle.....	9401 0366	
• Northern Beaches.....	9453 1639	
Taxis		
• Manly Cabs.....	9972 5600	www.manlycabs.com.au
• ABC Taxis.....	13 25 22	www.abctaxis.com.au
Sydney Ferries	13 15 00	www.sydneyferries.info

offshore community activities

Scotland Island Offshore Children's Services.....	9979 7856.....	www.sioc.org.au
(SIOCS) Long Day Care (Tues -Thurs).....	director.sioc@comcen.com.au	
SI Community Hall.....	www.pittwater.nsw.gov.au	
• Enquiries.....	9999 4092.....	www.scotlandisland.org.au
Scotland Island Players (Kez).....	9999 4092.....	www.scotlandisland.org.au
WOW - Women on Water (Jenny).....	0410 533 728.....	www.scotlandisland.org.au
Island Thinking (Roy).....	9999 6891.....	www.scotlandisland.org.au
Island H'Arts (Tracy).....	9997 4875.....	www.scotlandisland.org.au
Watercolours with Max.....	9997 4527.....	
Pittwater Offshore Indigenous Interests Group.....	9979 1096.....	www.scotlandisland.org.au
(Robyn)		
The Wine Syndicate.....	www.scotlandisland.org.au	
• Paul Purvis.....	9979 9667.....	
• Greg Roberts.....	9979 5228.....	
The Fourth Way Spiritual Teaching (John).....	9979 5584.....	www.scotlandisland.org.au
Woody Point Yacht Club (Paul).....	0414 975 793.....	www.wpyc.org.au

accommodation

Pittwater Youth Hostel (Towler's Bay).....	9999 5748.....	www.yha.com.au
Scotland Island Lodge.....	9979 3301.....	www.scotlandislandlodge.com.au

marine services

Holmeport Marina.....	9997 2055.....	www.holmeportmarinas.com.au
Pittwater Marine.....	9997 2411.....	www.pittwatermarine.com.au
Quays Marine Centre.....	9997 2800.....	www.thequays.com.au
Quays Marine & Mechanical.....	9999 2894.....	www.thequays.com.au

political representatives

Pittwater Council Central Ward

• Ian White.....	0437 495 196.....	ian_white@pittwater.nsw.gov.au
• Sue Young.....	0481 000 167.....	sue_young@pittwater.nsw.gov.au
• Kylie Ferguson.....	0481 000 170.....	kylie_ferguson@pittwater.nsw.gov.au

Pittwater Council Northern Ward

• Bob Grace (Deputy Mayor).....	0416 222 103.....	bob_grace@pittwater.nsw.gov.au
• Selena Griffith.....	0481 000 369.....	selena_griffith@pittwater.nsw.gov.au
• Alex McTaggart.....	0411 779 585.....	alex_mctaggart@pittwater.nsw.gov.au

Pittwater Council Southern Ward

• Jacqueline Townsend (Mayor).....	0427 959 631.....	jacqueline_townsend@pittwater.nsw.gov.au
• Julie Hegarty.....	0400 341 168.....	julie_hegarty@pittwater.nsw.gov.au
• Kay Millar.....	0481 000 377.....	kay_millar@pittwater.nsw.gov.au

NSW (Pittwater).....

• Rob Stokes.....	www.robstokes.com.au	
• Electorate Office Pittwater.....	9999 3599..	ElectorateOffice.Pittwater@parliament.nsw.gov.au

Federal (Mackellar).....

• Bronwyn Bishop.....	9913 9566.....	www.bronwyn.com.au
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scotland island emergency water lines



- Numbers in brackets are street numbers
- Numbers not in brackets are lot numbers
- << Indicates the street: The property fronts
- All modifications to original drawing copyright Alrya Holdings Pty Ltd
- Map courtesy of PMC Hill Real Estate

- Line 1
- Line 2
- Line 3
- Standpipe
- Standpipe + main line valve
- T-junction + main line valve
- T-junction

Have you been told that your home has too much shading for solar?



Shading is a common problem for our offshore community - where we live amongst the trees. Traditional solar systems operate at the efficiency of the worst performing panel and thus one shaded panel brings down the performance of the whole system. Our new AC panels each have an inverter which eliminates this problem. This advancement presents a new opportunity for homes previously unsuitable for solar.



One of our founders lives off-shore in the Pittwater, and is able to undertake an assessment of your home. Our warehouse is located in Belrose - so service is never an issue.

Call: 0498 647 468 or email: pod@planetpower.com.au



INTEGRATED

Solarland AC modules are integrated with micro-inverters preinstalled on the back of each panel. This plug and play design makes them twice as fast to install as DC systems.



RELIABLE

With industry leading reliability the new AC module micro-inverter technology has proved to withstand harsh thermal environments. The remote monitoring system ensures system uptime with unparalleled panel-level monitoring. Each panel also comes with an end-to-end 25 year guarantee.



HIGH PERFORMING

Solarland's new AC modules can produce up to 25 percent more energy than DC systems. With Maximum Power Point Tracking (MPPT) for each panel, the AC modules operate independently and produce more power regardless of shade, roof obstruction or passing cloud.



INCREASED SAFETY

AC modules have increased safety because there is no high-voltage DC on the roof. Power can be shut down at the module level, protecting workers in the event of an emergency.



Energy for Australia - Naturally

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