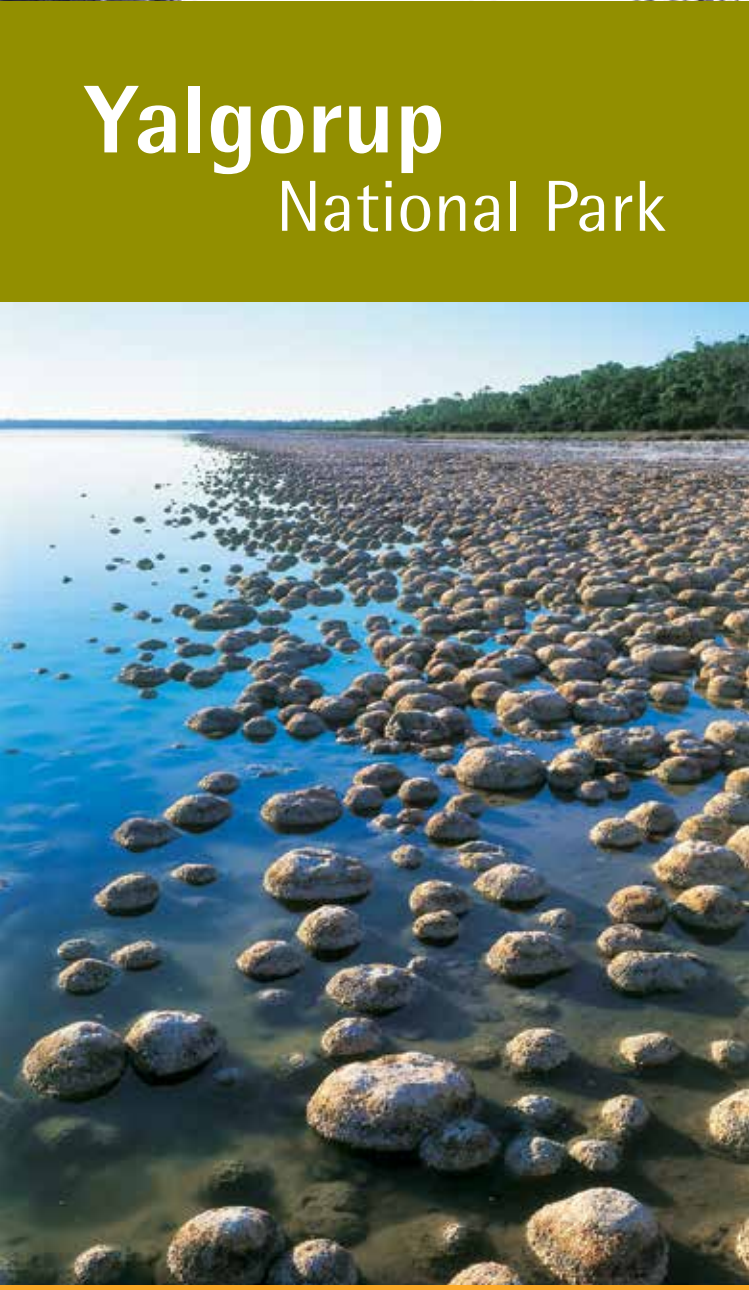


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Department of Biodiversity,
Conservation and Attractions

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Above *Diploaena dampieri*. **Above right** Early morning at Lake Hayward. **Right** Tuart forest gives way to coastal heathland at Yalgorup National Park. *Photos – Gordon Roberts/ Parks and Wildlife*

Yalgorup National Park was formally established in the 1970s to protect the coastal lakes, swamps and tuart woodland between Mandurah and Myalup Beach.

In the 1850s, shortly after the introduction of convict labour into the State, the 'Old Coast Road' south of Mandurah was rebuilt by convict road gangs. For most of its length, the road ran through well-timbered, sandy limestone country of little value to agriculture. There were few settlements or holdings.

Europeans first visited the area around 1829, when Lieutenant-Surgeon Alexander Collie and Lieutenant William Preston named lakes Preston and Clifton while exploring the coastline between Mandurah and Bunbury.

Yalgorup National Park lies on the western edge of the Swan Coastal Plain just south of the Dawesville Channel near Mandurah. The name Yalgorup is derived from two Nyoongar Aboriginal words: yalgor, meaning 'a swamp or lake', and up, meaning 'a place of'. It is an appropriate name because the park protects 10 lakes that run in a chain.

Yalgorup National Park

Above Magnificent grassrees dominate this opening in the tuart forest. *Photo – Gordon Roberts/ Parks and Wildlife*

Yalgorup National Park



The dune systems at Yalgorup National Park are the result of these changes. The limestone rocks and soils at the surface, inland from the coast, are derived from the older Spearwood dune system which formed in the past 10,000 to 140,000 years. The Spearwood dune system has leached sands at the surface and creamy yellow to reddish-brown subsoils. Superimposed on the Spearwood dune system, up to 2km from the beach, are the sand dunes of the Quindalup dune system that have been blown in from the sea or washed ashore over the past 10,000 years.

The soils of Yalgorup National Park originated from the sea, mostly comprising calcareous material derived from seashells and other marine organisms. These soils, deposited in a series of dune ridges parallel to today's shoreline, illustrate the past changes in sea level. As the polar ice caps grew during the last ice age, about 130,000 years ago, the sea level fell. About 18,000 years ago it was 130m below its present level. The ice age ended about 10,000 years ago, causing the sea level to rise, producing the shoreline we see today.

Soils from the sea

Caring for the park

Please report any incidents to the ranger on (08) 9303 7750.

Be kind Do not disturb animals and plants. No firearms or pets are permitted in national parks.

Be responsible Fires restrictions apply. Fires are only permitted in communal fire pits outside the fire ban season.

Be clean Please take your rubbish out of the park when you leave.

Be careful Your enjoyment and safety are our concern but your responsibility. Stay on marked trails and roads.

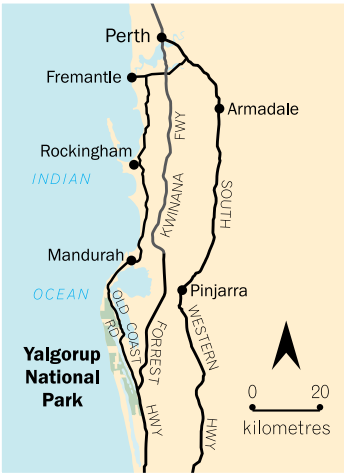
How to get there

Yalgorup National Park lies on the western edge of the Swan Coastal Plain just south of the Dawesville Channel, near Mandurah.

Situated only 80 minutes drive south of Perth, 45 minutes drive south of Mandurah or 45 minutes north of Bunbury, Yalgorup National Park offers panoramic views of the local beaches, peaceful settings of forest and woodlands and sweeping views over tranquil lakes.

More information

Department of
Parks and Wildlife
Mandurah Work Centre
432 Pinjarra Road
Mandurah WA 6210
Phone: (08) 9303 7750



Front cover Thrombolites at Lake Clifton, Yalgorup National Park. *Photo – Alex Bond*



Department of
Parks and Wildlife



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Microscopic masterbuilders

Above Boardwalk over thrombolites at Lake Clifton. *Photo – Steve Dutton/ Parks and Wildlife*



Animals of the lake

The Yalgorup lake system is significant for waterbirds and is recognised under the international Ramsar Convention (named after the place where it was signed in Iran). The lakes provide important habitat for the international trans-equatorial waders that migrate from the northern hemisphere. These waders include the bar-tailed godwit, red-necked stint, greenshank, red knot, whimbrel and three species of sandpiper. Other waterbirds that use the lakes include the banded and black-winged stilts, red-necked avocet, hooded and red-capped plovers, Australian pelican and coot.

Surveys show that the Yalgorup lakes support high numbers of musk ducks, Pacific black ducks, black swans and shelducks.

The quacking frog, turtle frog and slender tree frog are among the eight frog species that inhabit the park and the long-necked oblong turtle is present in Lake Clifton.

Things you need to know

Yalgorup National Park offers visitors panoramic views of the beaches, dunes and lakes from several high spots. Peaceful settings among the patches of tuart forest and woodland, and sweeping views over the tranquil lakes, give the area a wilderness feel.

Where is it? 50km south of Mandurah.

What to do Walking, sightseeing, photography, birdwatching, camping and viewing wildflowers in season.

Walks

- Walk trails at Heathlands, Lake Pollard and Lakeside Loop.

Facilities

- Picnic tables and toilets are provided at Lake Hayward.
- An observation boardwalk over the thrombolites, as well as an information bay and toilets, are provided at Lake Clifton (Mount John Road).
- Camping, gas barbecues, a camp kitchen, tables and toilets are provided at Martins Tank campground. Fees apply; an honour box is provided at Martins Tank campground for use when campground hosts are not present.
- Please note, no firewood is provided at Martins Tank campground. No drinking water is available in the park.

Best season Spring and autumn.



Today, living examples of these once completely dominant organisms are restricted to only a few places in the world.

The thrombolite-building microorganisms of Lake Clifton resemble the earliest forms of life on Earth. These organisms were the only known form of life on Earth from 650 million to 3,500 million years ago. The thrombolites and stromatolites they constructed dominated the clear, shallow seas of this period and formed extensive reef tracts rivaling those of modern coral reefs.

can also be seen at nearby Lake Preston.

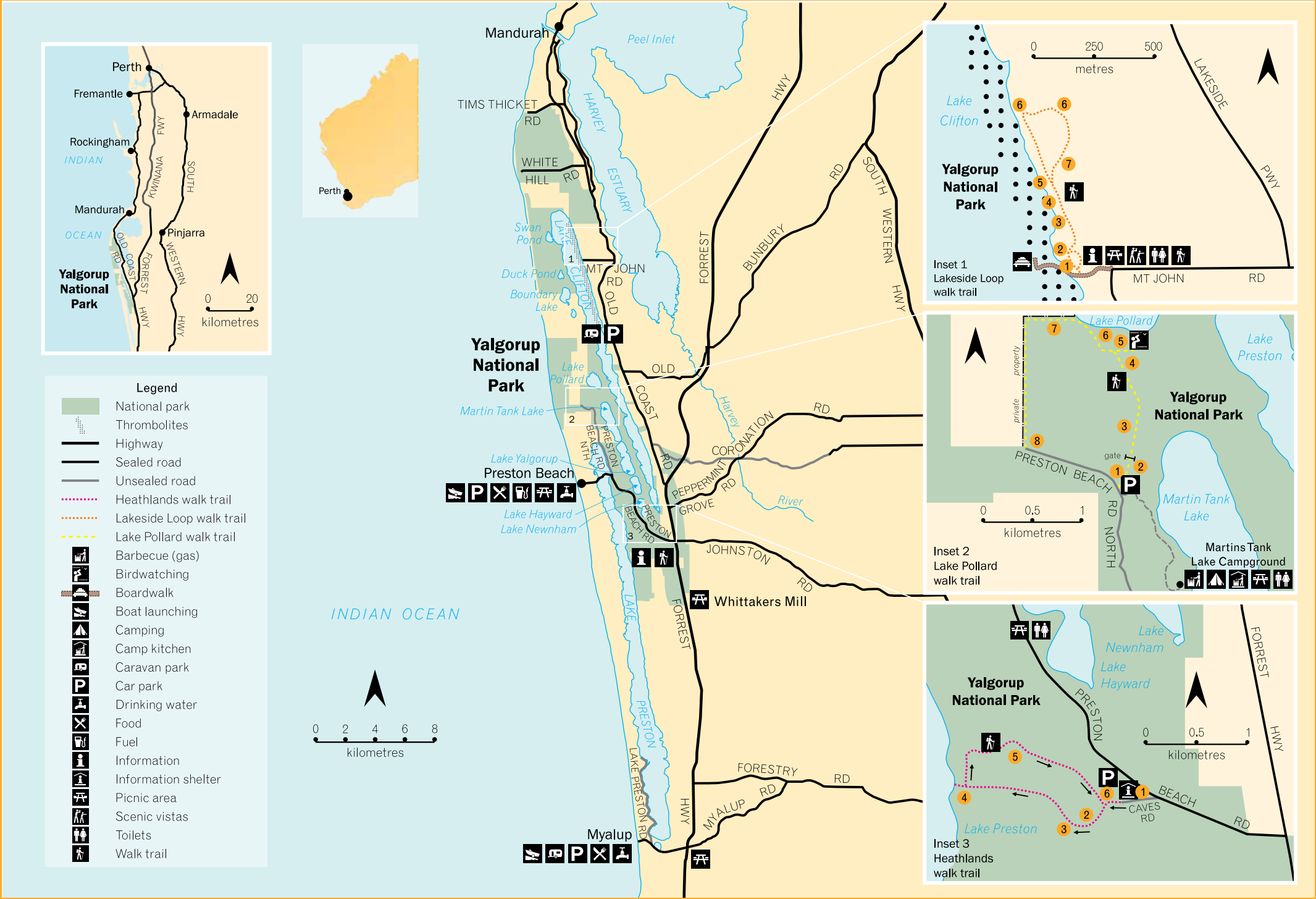
April. Microbial mounds, which are the remains of thrombolites, eastern edge of the lake and are most easily seen in March and thrombolites survive. These peculiar structures live on the one of only a few places in Western Australia where living population densities of 3000 per square metre! Lake Clifton is Clifton are living communities of diverse inhabitants with small for the human eye to see. Within these structures of Lake Shark Bay, the thrombolites are built by microorganisms too

Rock-like structures known as thrombolites are on the edge of Lake Clifton. Like the famous stromatolites of Hamelin Pool, in Shark Bay, the thrombolites are built by microorganisms too

diminishing all too rapidly. It is also significant because it provides a unique look at what life was like at the dawn of time.

Yalgorup National Park protects the lakes and important waterbird habitat, along with attractive coastal vegetation that is

The thrombolites and stromatolites are scientifically significant. Visitors walking on the fragile structures can degrade them. Visitors can view these fascinating structures from the purpose-built observation walkway.



Walk trails

Lake Pollard trail

Length 6km
Grade 2 (a well defined trail with gentle gradients)
Walk time 2 hours
Where is it? 50km south of Mandurah
Travelling time About 45 minutes from Mandurah or Bunbury
Facilities Gas barbecues, tables and toilets are nearby at Martins Tank campground
Best season Lake Pollard is renowned for its high numbers of black swans between October and March

The walk begins at the entrance to Martins Tank campground on Preston Beach Road.

- 1 Parrotbush (*Dryandra sessilis*), a shrub or small tree with prickly fan-shaped cream to yellow domed flower heads, grows at the start of the trail and in dense thickets across the road from the trail head sign. Beyond this dense thicket is a woodland comprised of jarrah (*Eucalyptus marginata*), tuart (*E. gomphocephala*), peppermint (*Agonis flexuosa*) and bull banksia (*Banksia grandis*).
- 2 After a short walk, you reach a gate that prevents vehicles from entering the trail. Here, cockies tongues (*Templetonia retusa*) flower profusely from May to December. The magnificent red or pinkish-red flower of this species has a long wing petal and a distinctive long, narrow standard petal that is bent abruptly back, giving it the appearance of a cockatoo's head. If you are walking in the morning, watch for signs of animal tracks in the sandy path. You should be able to distinguish tracks of grey kangaroos or brush wallabies as well as bandicoot and possible echidna diggings. Chuditch, brushtail possums and water rats are also know to occur in the park.
- 3 Other plants seen along the track include grasstrees (*Xanthorrhoea*), zamias (*Macrozamia*), prickly moses (*Acacia pulchella*) and the usually multi-stemmed Christmas tree (*Nuytsia floribunda*), which most people rarely notice until its brilliant gold blooms appear in December.
- 4 On reaching a T-junction, a signpost with a yellow pointer indicates that you should turn right. The woodland is at first composed mostly of tuart and peppermint, but soon the first paperbarks indicate the close proximity of the lakes. Finally the tuarts are replaced by paperbarks, cockle shells litter the path and water can be seen between the trees.
- 5 Turn left when you reach the sign and you will see the bird hide and vista of Lake Pollard. Black swans arrive here in high numbers from October to March, when they graze on extensive growths of stoneworts (musk grasses). Along the lake is a fringe of attractively gnarled and stunted, white-barked saltwater paperbarks (*Melaleuca cuticularis*).

- 6 Return to the T-junction, where the adventurous can choose to travel straight ahead while others might turn left and retrace their steps back to the start along the flatter route. For those who decide to proceed onward, follow the trail to the right and, before long, there is a low heathland of hakea, parrotbush and cockies tongue on your left and woodland on your right.
- 7 When you reach the fence, turn left and climb up the steep firebreak for a magnificent vista over Lake Pollard. At the top of the hill, rare mallees cling to the rocky hill top. The rough-barked Fremantle mallee (*Eucalyptus foecunda*) has bright orange buds and white flowers. Continue to follow the fenceline back to Preston Beach Road.
- 8 As you walk back to the starting point along Preston Beach Road (North) look out for the kangaroo paws along the roadside.

Heathlands walk trail

Length 4.5km
Grade 2 (a well defined trail with gentle gradients)
Walk time 1.5 hours
Where is it? 50km south of Mandurah
Travelling time About 45 minutes from Mandurah or Bunbury
Facilities Tables and toilets are nearby at Lake Hayward picnic site
Best season Late winter and spring for wildflowers

This walk explores the many different vegetation types of Yalgorup National Park, from the towering tuarts to the delicate flowers of the limestone ridges.

- 1 Begin at the information bay on Preston Beach Road and head west along the track signposted as Caves Road. This refers to the limestone tunnels or shafts discovered here in the 1940s, which are now largely derelict.
- 2 As you turn left and begin to climb, the understorey of the woodland on your left thins and grasstrees stand tall and proud among the forest. On the other side of the track, where the soils are shallower and the trees cannot grow, there is a scrubland of wattles, hakeas, grevilleas and other plants.
- 3 As you near the top of the rise, some swamp banksia (*Banksia littoralis*) grows in the lee of the hill. On the hilltop, the rare limestone mallee (*Eucalyptus petrensis*) and Fremantle mallee (*E. foecunda*) cling to the limestone outcrops. Enjoy the view over Lake Preston, which extends 20km south to Myalup.
- 4 When you reach the next marker you can take a small detour to the lake edge through the fringing thicket of swamp paperbark. Back at the marker, you are surrounded by thick peppermints. If you look carefully, as you continue, you may see a nest-like collection of small woven sticks high up in the branches, called a drey. It is made by the rare western ringtail possum, which has successfully been reintroduced into this area. The track turns east and, after you leave the peppermints again, you re-enter the tuart woodland.

- 5 A totem indicates that the path leaves the track and winds off to the right, and you travel through thicker scrubland, around a small outcrop, then drop back into the cool peppermints once more, before rejoining the track.
- 6 The marker indicates to turn left onto the track which returns to the start.

Lakeside Loop walk trail

Length 5km
Grade 2 (a well defined trail with gentle gradients)
Walk time 2 hours
Where is it? 32km south of Mandurah (follow the sign to the thrombolites)
Travelling time About 35 minutes from Mandurah or 50 minutes from Bunbury
Facilities Information shelter, toilets, boardwalk over lake
Best season Late winter and spring

Lake Clifton contains the largest known community of living thrombolites in the southern hemisphere and is an important refuge for waterbirds.

- 1 The track begins near the information shelter. Head north along the limestone track from the trail head sign.
- 2 The track runs parallel to the eastern side of Lake Clifton. You will notice the difference in the vegetation on both sides of the track. Paperbark trees (*Melaleuca*) occur next to the lake edge and peppermint (*Agonis flexuosa*) and tuart (*Eucalyptus gomphocephala*) trees occur on the other side of the track. Changes in water levels determine where the different kinds of trees grow.
- 3 On the left hand side, small trees with long fruits bend towards the track. These are honey myrtle (*Melaleuca huegelii*) – these trees grow near the coast, particularly on shallow limestone soil and rocky areas. Large numbers of insects are attracted to this species for its nectar.
- 4 On the east side of the track are some old fences and a cattle ramp. Farming was established in this area in the early 1900s.
- 5 At this point a fork occurs in the track – stay to the left and continue heading north.
- 6 At the T-junction turn right as indicated by the yellow arrow and follow the track about 100m up a slope, before turning right again. You are now following the private property fence boundary and heading south toward the car park area. Notice how the vegetation has suddenly changed. These limestone ridge areas (Tamala limestone) have shallow soils and support shrubland vegetation such as dryandras, acacias, meleleucas and xanthorrhoeas, or balgas. You will get glimpses of Lake Clifton as you proceed south.
- 7 The track turns right through the peppermint trees then links up with the lakeside track heading back towards the car park.