

Patterson River Fact Sheet

Long Term Environmental Management Plan

for Parks Victoria's Bays Maintenance Dredging Program

Parks Victoria is the waterway manager for the designated local ports of Port Phillip and Western Port. Since 1998, Parks Victoria has managed an ongoing maintenance dredging program to facilitate safe boating access to local port facilities and harbours within its jurisdiction and control.

Parks Victoria has recently reviewed its maintenance dredging program to ensure that it is delivering a safe and efficient service. Following an examination of the program's marine design standards and methodologies, a number of changes were recommended.

These changes, and the manner in which the maintenance dredging program will be delivered into the future, have been compiled into a report, the *Bays Maintenance Dredging Program – Long Term Environmental Management Plan*.

Before these changes are finalised, Parks Victoria will make this information available, and provide opportunities for feedback from the community.

Looking forward

Once approved, the Long Term Environmental Management Plan will provide a framework for Parks Victoria's updated maintenance dredging program while ensuring relevant statutory controls and obligations are met.

The Plan will also provide the technical specifications required to support Parks Victoria's application for Consent to dredge under the *Coastal Management Act 1995 (CMA)*.

New sites

A number of infrequently dredged sites have been included in the Plan. These were not previously a part of the dredging program, but are now considered, as most will need some level of maintenance within the next ten years.

Their inclusion will also result in further efficiencies across the program, as separate CMA Consent applications will no longer be required for each activity. In most cases the sites will require further detailed investigation, design and funding prior to dredging.

The new sites include:

- Patterson River Estuary,
- Queenscliff Moorings,
- Brighton Harbour,
- Hampton Harbour and Jetty,
- Hastings Jetty,
- Williamstown Precinct,

New designs

To provide greater safety, efficiency, and environmental protection, some sites have had changes to their design or methodology.

These include:

- Patterson River depth increased to -5.0m.
- Mordialloc, length of dredge area.
- Queenscliff, increase of dredge area to include mooring area for Ferry and dredge.
- Portarlington new entry channel and depth within the harbour.
- Werribee, depth increased to -2.5m.
- New methodology at Tankerton for in water disposal.

Is it safe and clean?

The Long Term Environmental Management Plan includes a sediment sampling plan which complies with the EPA Best Practise Guidelines for Dredging, and the National Assessment Guidelines for Dredging. The previous sediment sampling results are provided in detail. In summary, the sediment dredged is suitable for placement on the adjacent beaches or in water, as is the proposal at Tankerton.

Freshly dredged sand may contain organic material, mostly seaweed, which will give it a dark colour and mildly unpleasant odour when it first comes out of the water. After a few days of exposure to the air and sun, the sand will bleach to a normal colour and lose any odour.



Specific site information

The site is maintained using a Cutter Suction Dredge (CSD). The current methodology is to deposit the dredged sand on beaches north or south of the River entrance depending on the direction of natural sand movement at the time.

Dredge depth is uniformly -2.5m across the dredge area.

Specific changes to site

Dredge depth will be increased to -5.0m.

When will the dredging happen?

Dredging may occur anytime of the year to ensure safe access for vessels. Though the majority of dredging works will take place between February and mid-

December. The frequency of maintenance dredging is determined by the build-up of sand through natural coastal processes. It is also influenced by weather events and seasonal use of the area by members of the public.

This site is to be dredged on an as needed basis 6 – 10 times each year.

Approximately 8,000m³ of sand is expected to be removed each time.

The site was last maintained in March 2017.

More Information

If you would like more information about the maintenance dredging works, please call 13 1963 or visit www.parks.vic.gov.au