Pelican Waters Southern Lock – User Guide

The Pelican Waters southern lakes precinct is based around a "perch" lake waterbody with a water level that does not generally vary. The water level is controlled by a weir structure adjacent to the lock at RL 0.90m (AHD) which is about 300mm higher than mean high water spring tide (MHWST).

The southern lock structure separates the tidal canal from the perched lake and provides vessels with safe portage between the canals and southern lakes. The lock can be controlled using a remote-control device or a proximity swipe card which can be purchased together from the Pelican Waters Land Sales Office.

Lake Access

Boat access to the Southern Lake system is via the navigational lock or from private properties which have a lake lease area assigned to the property. Dedicated small craft access points will also be provided around the lake.

The lock gates can be controlled using a remote control device or a proximity card *(Refer Figure 1)*:

- Remote control units and proximity cards can be purchased as a coded kit from the Pelican Waters Land Sales Office, 2 The Corso, Pelican Waters.
- An application form must be completed and fees paid prior to issue of the access devices
- Anyone at any address can apply for an access kit; they can also apply for a second access kit at an additional cost.
- For security and safety photographic identification must be attached to the application form. This identification must include the applicant's permanent address.
- Lock access remote control and cards are not transferrable and may not be on-sold.
- If an access remote control or card becomes faulty more than two years after the date of issue to the holder a replacement fee will apply

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Permitted Lake Uses:

- All types of manually powered small craft eg canoe, surf ski etc
- Sail boats, sailboards and stand-up paddle boards
- Motor powered pleasure craft
- Approved maintenance purposes craft, safety, disaster response and enforcement craft
- Approved construction craft (eg barges, dredges and support craft)
- Vessels of size up to 15m in length, 4.5m in width may pass through the lock
- Wind powered sail craft
- Recreational fishing
- Mobile structures (eg dry docks, seapens and float bricks) that are secured to an approved privately owned pontoon or jetty
- Use of lake water for fire control purposes (eg helicopter fire services) and
- Any other activity prescribed by council from time to time

The maximum speed limit for boating anywhere within the canals or lake system must not exceed six knots with the exception of enforcement/safety/disaster response craft in emergency situations.

Prohibited Uses:

- Business operation of vessels used for commercial purposes eg fishing, charter, tourist
- Short or long-term moorings except in association with an existing lease and an approved pontoon, ramp or jetty
- Commercial fishing trawlers and similar
- Fishing from any bridge over the waterway
- Fishing from any weir or lock structure
- Unmarked fishing equipment (eg crab pots and fish traps)
- Diving or jumping off any structure over or in the lake
- Dumping of any wastes, contaminants or pollutants into the lake, adjoining waterways or in a place (eg road side gutter, stormwater drain) where it could be reasonably expected to move or to be washed into the lake
- Water skiing
- Commercial fishing
- Living on watercraft whether temporarily, intermittently, or permanently
- The construction, reconstruction, refitting or undertaking of structural repairs on or to watercraft
- All advertising devices
- Refuelling of watercraft
- Release of sewage or other wastes from water vessels, boats and the like into the waterway.
- Any other activity prescribed by council.

Lock Operation Instructions:

The navigational lock gates are operated using a Pelican Waters issued remote-control device or lock access card (as backup). Lock gate operations can be initiated when the remote control is activated within range of the lock.

Lock Operation using Access Remote Control;

- Gates on the lake side of the lock default to open so a boat can be maneuvered from the lake directly into the lock, the lock access remote-control can be operated once safely inside the lock and clear of the gates. The remote control will activate the automatic gate sequence and no other action is required by the user. The gate on the tidal canal side will open automatically when the water level within the lock has equalized with the external tide level.
- The lock gates on the tidal canal side will generally be closed as this is the default position. The access remote control has a range of about 10 metres and can be operated within range of the gates to commence the opening sequence. A boat can be maneuvered into the lock when the initial gate sequence is complete. Once safely inside the lock the remote control can be activated again to close the tidal gate. The lake side gates will open automatically when water levels have equalized.

Lock Operation using the backup proximity card;

A proximity card is supplied as part of the lock access kit. As the proximity card does not require a battery it is an excellent backup in the event of a flat remote control battery. To activate the lock gate sequence the card must be placed within 100mm of bullseye targets located on the canal side of the lock and again when safely within the lock structure. *Refer Figure 2.*

For information purposes, we advise previous lock card owners have utilized an extension pole secured in the prefabricated hole of the proximity card, for easier reach to the target reader. *Refer Figure 2a* Note, this extension device is not provided in the lock access kit.

Lock Safety Considerations

- When approaching and leaving the lock take care to stay clear of the safety trip wires along the outside of the gates. *Refer Figure 5*
- In the case of an emergency the number to reach the control room directly is Ph **1300 168 840 and quote the Site ID 8479-VP.** *Refer Figure 3 & 4*
- Signage is installed adjacent to the lock on breakdown and emergency procedures.
- Emergency stop buttons are located immediately adjacent to the lock on the switchboard. *Refer Figure 4*
- For safety reasons, children should not operate the lock gates unless they hold a boat drivers licence.
- Motorised vessels without reverse gear should not use the lock.
- Further details are provided in the Pelican Waters Southern Lakes, Lake Management Plan which is available upon request from the Pelican Waters Land Sales office

Further information contact;

www.pelicanwaters.com – Ph 07 5492 4888

www.sunshinecoast.qld.gov.au – Ph 07 5475 7272

OVERVIEW

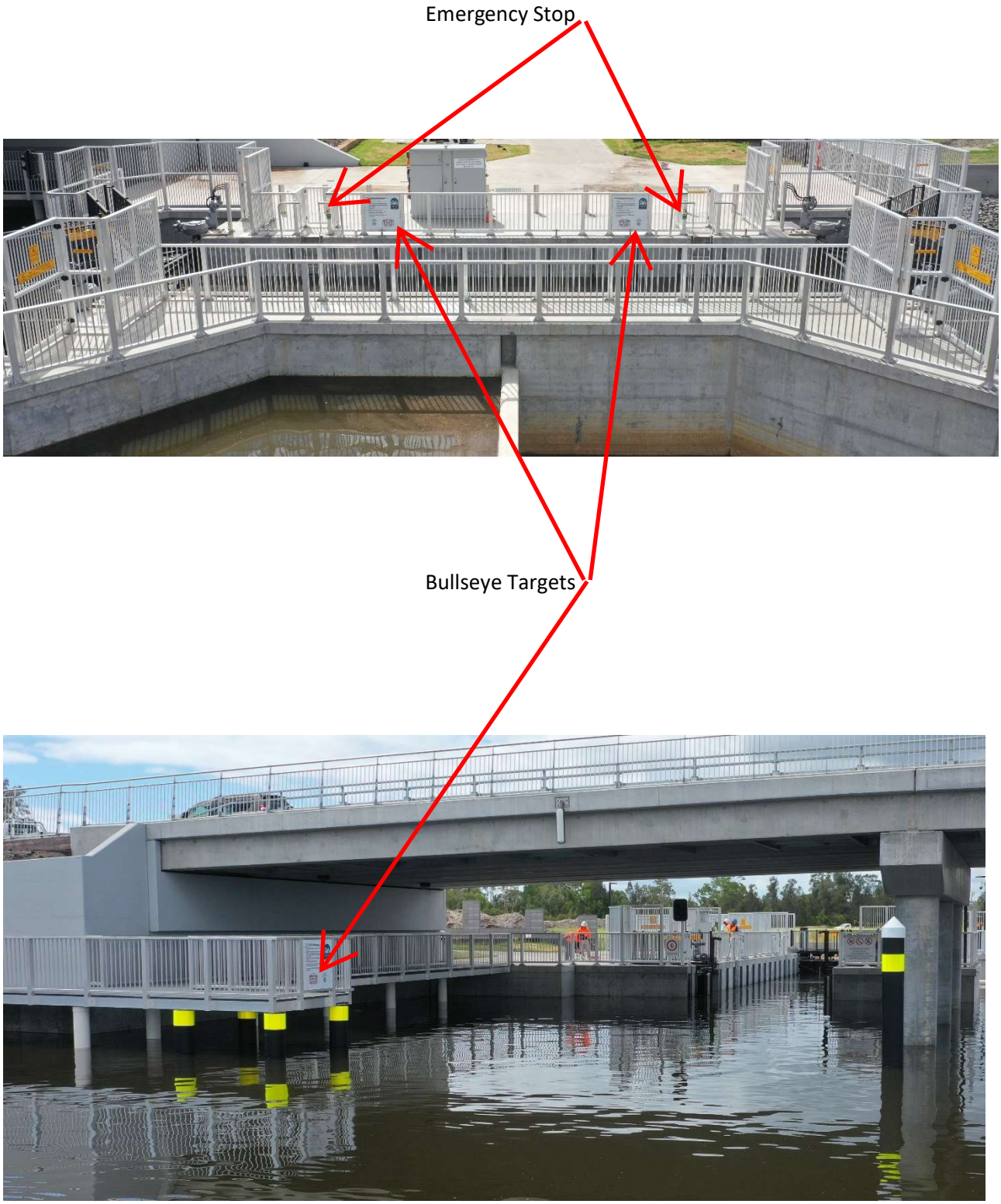

Figure 2 Bullseye Target within the tidal canal

OPERATION

Figure 1: Remote Control & Proximity Card

Figure 2: Bullseye Target for card within the
Lock and Emergency stop button adjacent to the ladder

Figure 2a

SAFETY

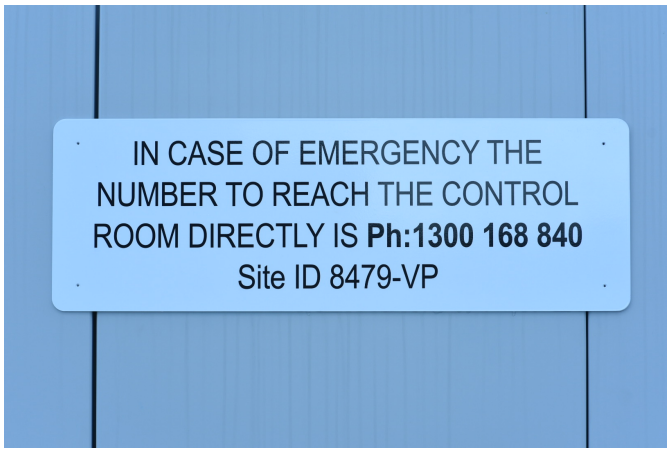

Figure 3

Figure 4

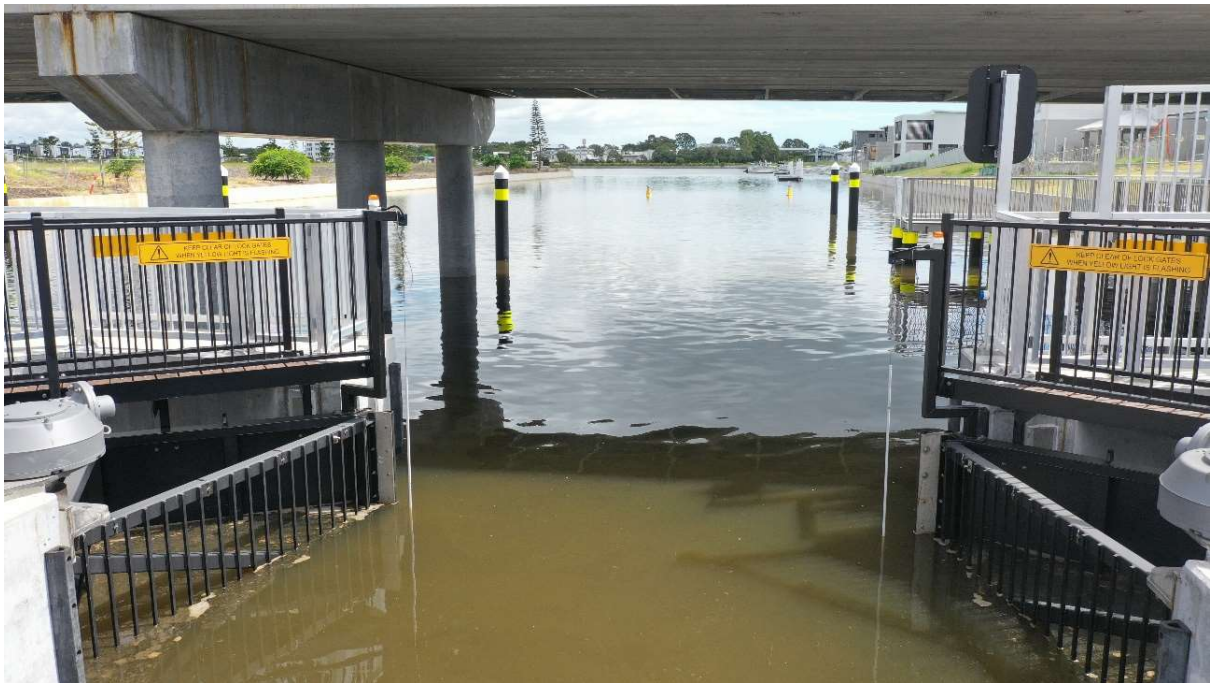

Figure 5 Safety trip wires