

Design Concepts

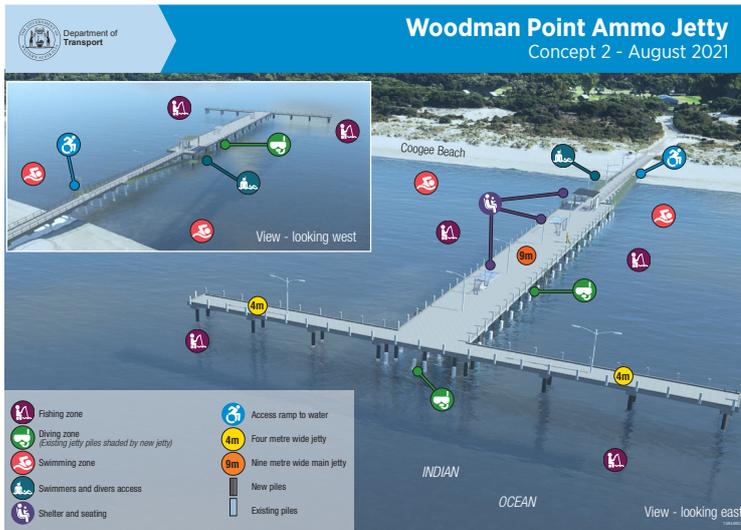
Woodman Point Ammo Jetty

In late 2020 the Department of Transport (DoT) initiated the new Woodman Point Ammo Jetty project with \$9.69 million in funding from the McGowan Government's \$5.5 billion WA Recovery Plan.

DoT developed three concepts for the new jetty following initial consultation with key user groups and stakeholders.



Concept 1 proposed a rectangular circuit jetty with a central shaded diving area. The shade would have supported the retention of marine biota on the existing jetty piles. It provided the ability for people to walk around the jetty and fishing to occur on the north, south and west sides.



Concept 2 proposed the retention of the existing length and width of the jetty, with the addition of a T-head at the end. Fishing would have been permitted either side of the jetty and on both the west and east of the T-head. The jetty retained the existing piles and marine environment.



Concept 3 proposed a separation between diving and swimming from fishing and extended further west into the water. Fishing would have been permitted on the north for the entire length and to the south for the extended jetty. Shade was provided over the existing jetty piles to protect and maintain the marine biota.



Consultation Results

Woodman Point Ammo Jetty

Community feedback on the three design concepts for the new Woodman Point Ammo Jetty was sought between 9 August and 10 September 2021. A total of 1,034 responses were received.

The key findings were:

- A preference for a higher jetty (similar to Coogee Beach) to allow for better accessibility and storm protection.
- A preference for separation between fishing and diving to ensure the safety of both groups.
- Support for a 12 month closure during construction to enable a better end result.
- General support for all elements in Concept 1 and 3.
- A preference for a longer jetty to provide access to deeper water.

More than 60 per cent of all respondents supported the wide head/T-head (top right) and the ability to fish on all sides of Concept 1 and 2 (bottom right), whilst more than 80 per cent supported the additional length of Concept 3 because of access to deeper water for fishing and extra jetty face.

A number of stakeholders expressed concerns about the central area in Concept 1, with worries that this would attract rubbish and be a maintenance challenge, although nearly 60 per cent of respondents supported the separation of users that could be achieved by it.

Key design and technical considerations in drafting the final concepts include:

1. Recognition that deeper water is not present in proximity of the jetty.
2. The wider T-head is strongly supported.
3. Greater extent of jetty face is strongly supported.
4. Separation of users continues to be an important design outcome.

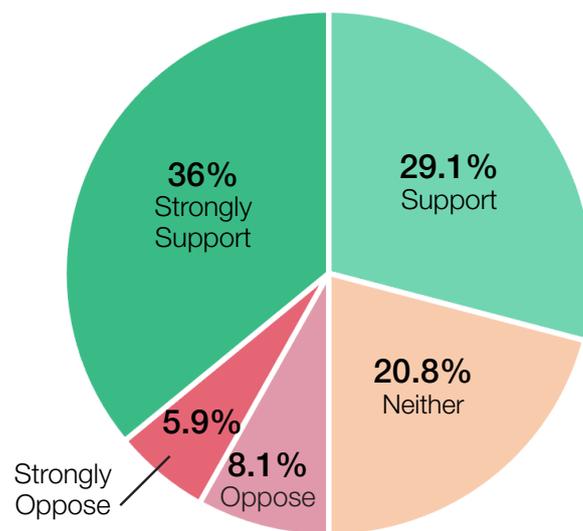
In response, a hybrid concept has been prepared. The final concept maintains the wide head of Concepts 1 and 2, provides a wider jetty closer to the shore and provides for safe separation of users.

To achieve this, a structure has been designed between two concrete walkways that reflect the circuit of Concept 1 whilst mitigating the concern associated with rubbish, debris and maintenance.

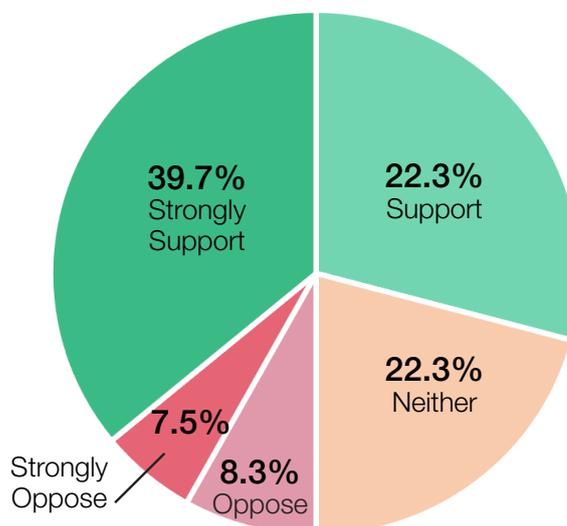
An assessment of water depth found that the water was not deeper beyond the end of the current jetty and as such the longer jetty element was removed in favour of providing additional jetty edge, equalling what would have been achieved in Concept 3. Compared with the existing jetty the final concept more than doubles the fishing space in deep water.

The final concept achieves many of the outcomes expected by the community, balancing different user expectations with the funding available. The new Woodman Point Ammo Jetty will remain a popular jetty for fishing, diving and community gathering, with significantly improved amenity.

Level of support for a wide jetty head / T-head



Support for the ability to fish on all sides of Concept 1 and 2





Department of
Transport

Final Concept

Woodman Point Ammo Jetty

