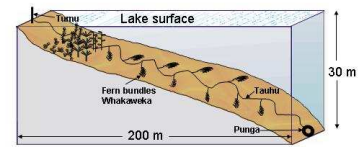


## Ohau Channel Diversion Wall Koura and kakahi update



Ian Kusabs, Willie Emery, Joe Butterworth

August 2010



## Koura monitoring

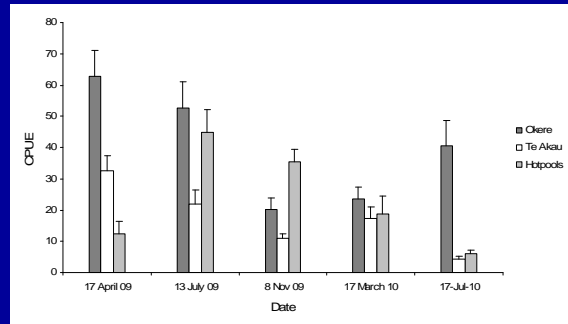
- 2 tau sites
- Additional site Manupirua baths
- 10 whakaweku per tau
- Sampled 3 monthly



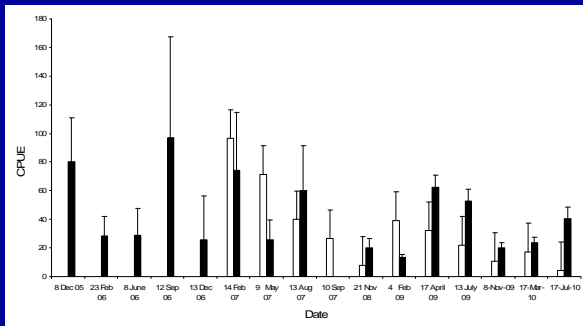
## Koura results

- Koura are still abundant in Okere Arm
- Koura largest at te Akau (West), Manupirua (East), Okere Arm
- July results affected by hornwort inundation
- Egg bearing – most of the year especially winter and spring

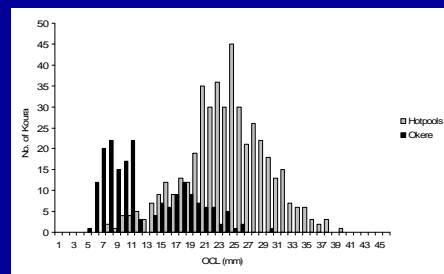
CPUE kōura captured in the Okere Arm, Te Akau & Hotpools 2009-2010



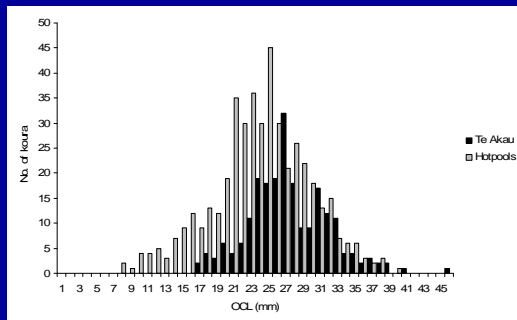
CPUE kōura captured in the Okere Arm and Te Akau, 2005 to 2010



Length frequency distribution of koura Te Akau & Okere, July 2010



Length frequency distribution of koura Te Akau & Manupirua baths, July 2010



## Kakahi



## Kakahi monitoring

- Designed by NIWA for community groups
- Shallow water <1.2m deep (no scuba)
- 6 monitoring sites
- 3 monthly



## Kakahi results

- Kakahi remain abundant in the Okere Arm and Lake Rotoiti
- Algae blooms in Lake Rotorua made accurate counts impossible at two sites in the Okere Arm in March and June 2010
- The highest kakahi counts recorded at Okawa Bay in July 2010
- There was a noticeable accumulation of fine silt at the Okere Arm monitoring sites

## Summary

- Koura and kakahi remain abundant in the Okere Arm and Lake Rotoiti
- Hornwort and algae blooms made koura and kakahi counts difficult in 2009/2010
- There was a noticeable accumulation of fine silt at the Okere Arm monitoring sites

## Acknowledgements

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- Te Runanga o Ngāti Pikiao
- Ngāti Pikiao resource committee