

Replacing Clipboards with Smartphones

Field Data Capture for Volunteer Groups

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Topics

- Why should we replace the clipboard?
- Field spatial data capture tools
- What we want in a tool as a field surveyor
- Shell survey example
- Exercise 1 - Create a survey in KoBoToolbox
- Exercise 2 - Collect some data
- Exercise 3 – Analyze data

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Why should we replace the clipboard?

- Paperless system
- Ease of survey distribution
- To remove the process the data collation
- Organizers can see data collected in real time
- Most people have a smartphone

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Shell survey example



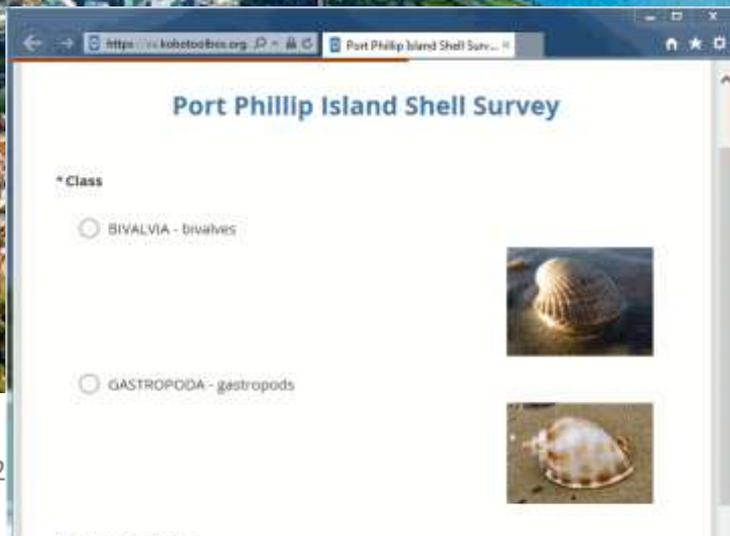
- Download a species list from Atlas of Living Victoria for our area of interest. <http://biocache.ala.org.au/explore/your-area#-38.50417977142374|145.1621839213867|12|Molluscs>
- We can rank our species list on number of sightings.

AMPHIBOLIDAE

Salinator fragilis



Use ALV PDF Field Guide to help identify shell



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What are field data capture tools



Tools that record, measure data outside

What are the tools we have available?



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What we want in a tool as a field surveyor

- Readily available
- Free to use
- Take pictures/video
- Record attributes
- Record location
- Easy to use
- Portable
- Tough
- Easy to collate data
- Phone Platform independent

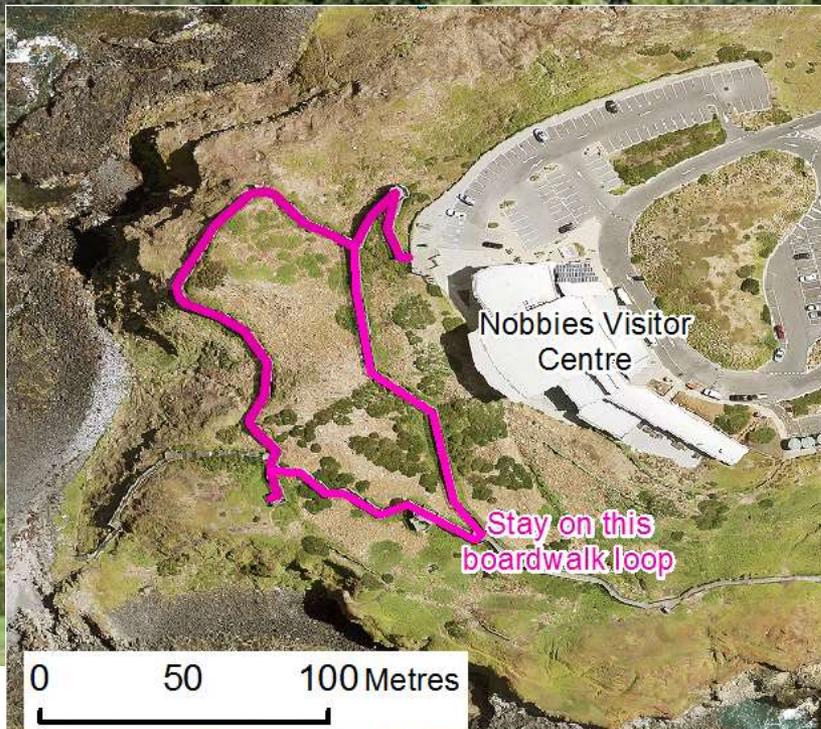
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Exercise 1 - Create a form in KoBoToolbox

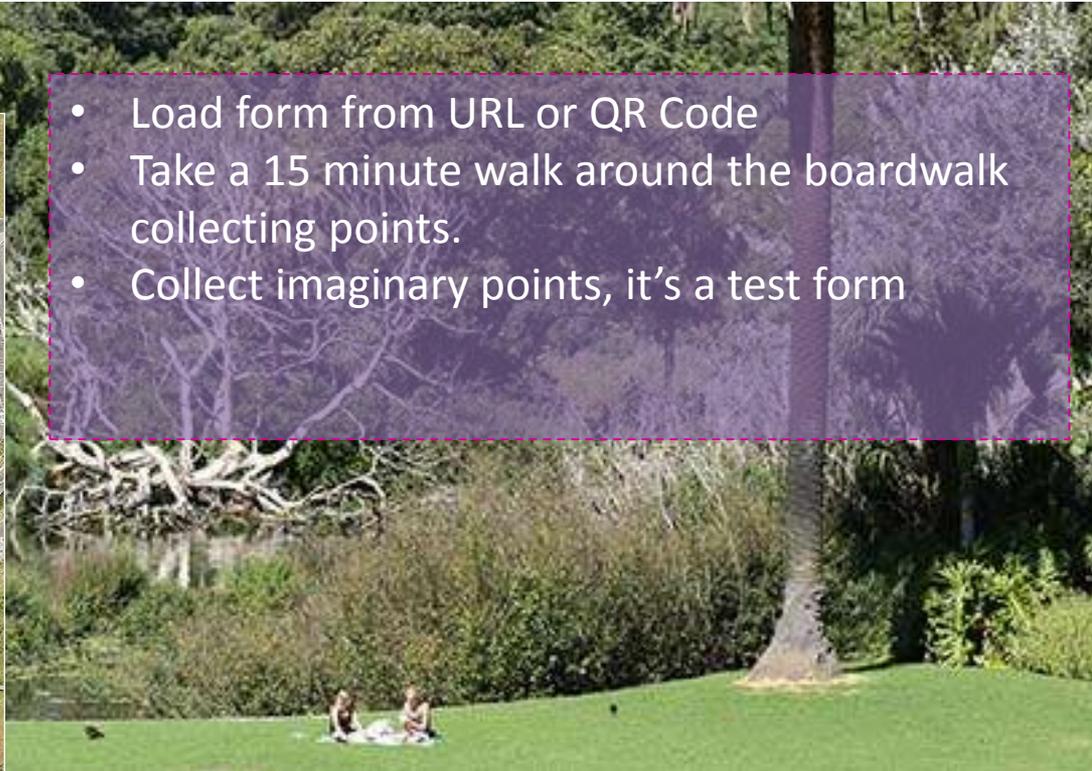
- Design a survey to record litter location and type at the Knobbies Visitor Centre.
- <https://kf.kobotoolbox.org>
- Locate form on internet
 - FORM ->Collecting Data with Web Forms ->Online-Offline

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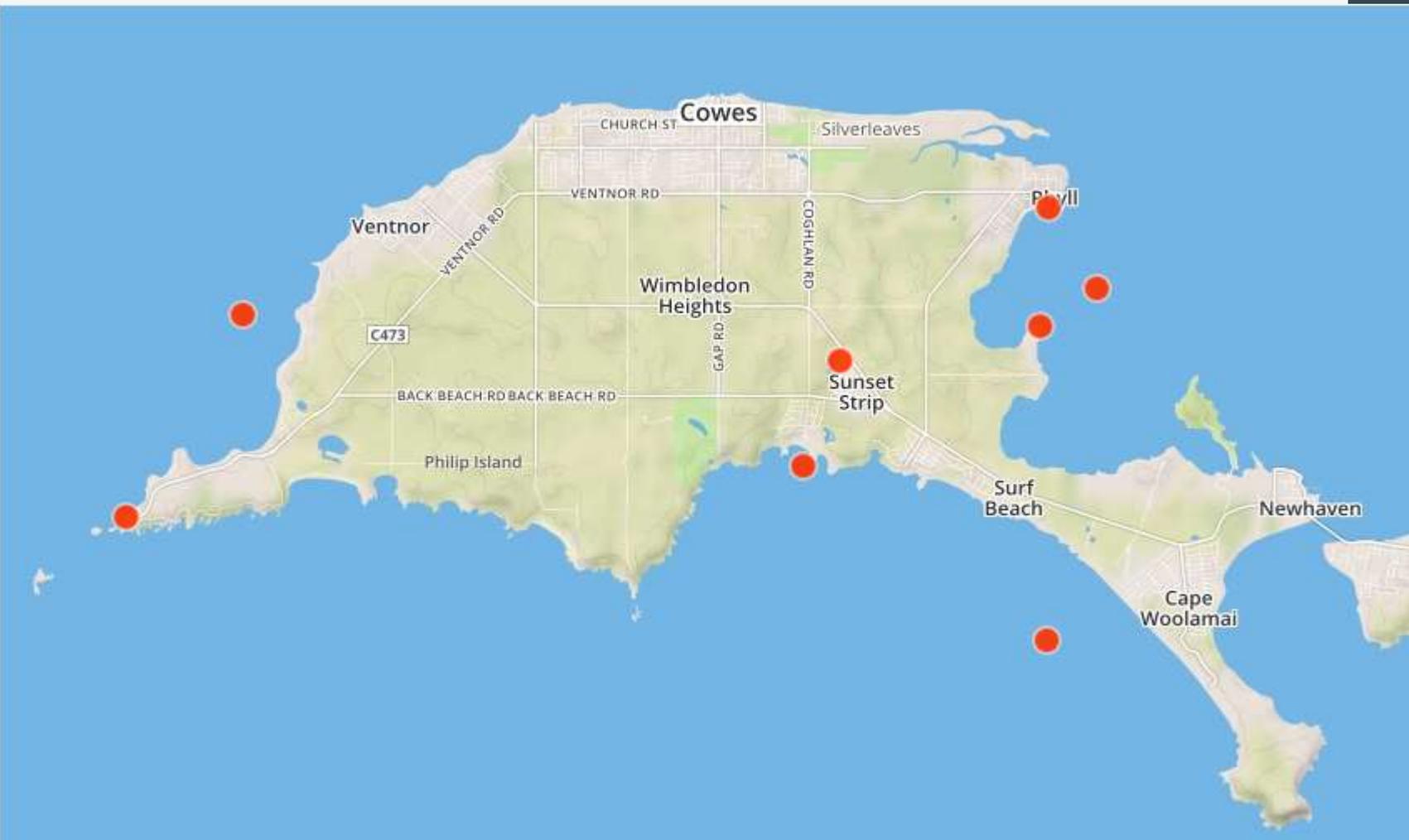
Exercise 2 - Collect some data



- Load form from URL or QR Code
- Take a 15 minute walk around the boardwalk collecting points.
- Collect imaginary points, it's a test form



View or Edit	start
Open	2017.



Diemenensis Venus Shell	2	22.22
Cart-wheel Purple	1	11.11
Common Brooch Shell	1	11.11
Common Warrener (Turban Shell)	1	11.11

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Conclusion

- Atlas of Living Australia
 - <http://biocache.ala.org.au/explore/your-area#-38.50417977142374|145.1621839213867|12|Molluscs>
- Phillip Island Shell Survey
 - <https://ee.kobotoolbox.org/x/#YS14>
- Litter Survey using quadrants
 - <https://ee.kobotoolbox.org/x/#YS14>
- QR code generator
 - <http://www.qr-code-generator.com/>

