

FSC



The Open
University

Field Network System

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Field Network System

- OpenScience Lab project (Wolfson Foundation, 2013)
 - Collaboration: Open University and Field Studies Council
 - Uses of mobile technologies to enhance outdoor learning
- Field Network System (FNS)
 - Portable WiFi network and mobile devices in the field
 - Local website collates data and presents results



The OpenScience
Laboratory
An initiative of The Open University
and The Wolfson Foundation

A day with the FSC


- Classroom
 - Introduction, hypotheses, methodology, risk assessment
- Field site (with FNS)
 - Data collection, data entry, cleaning, collation, analysis, interpretation



Field Network System (demo)

Trophic Structure Survey - Results by microhabitat | FNS Development

localhost/fns/development-3/ptss-results-m



Using mobile and wireless technology to enhance the collection, collation and interpretation of field data

Home

Trophic Structure Survey - Results by microhabitat

Open Water Weeds Mud

Biotic results

This table shows the biotic results for the data you have submitted.

Microhabitat	Invertebrate	Feeding level	Dry weight (g)	Energy (kJ/g)	Quantity	Biomass (g)	Energy (kJ)
Open Water	Flatworms	Top Carnivores	0.4	10.4	3	1.2	12.48
Open Water	True worm	Detritivores	1.8	16.1	3	5.4	86.94

Group biotic results

Current activity

Pond Trophic Structure Survey
 Group: Bongo School - Pond
 Survey - June 2013
 Field Location: Field Pond
 Date: 5 June 2013 - 11:00am

Options...

- Data collection
- Results by microhabitat
- Results by category

Navigation

My account

zotero



Outcome: Location aware students

- FNS: Discussion of findings at a field site
- Contextualizes the learning experience
 - Relate to the immediate environment
 - Stimulates discussion of possible interpretations
 - Potential for comparisons across datasets (e.g. time and place)
- What's next...
 - Shared spreadsheets and big data

