

Technology Survey Results

By:

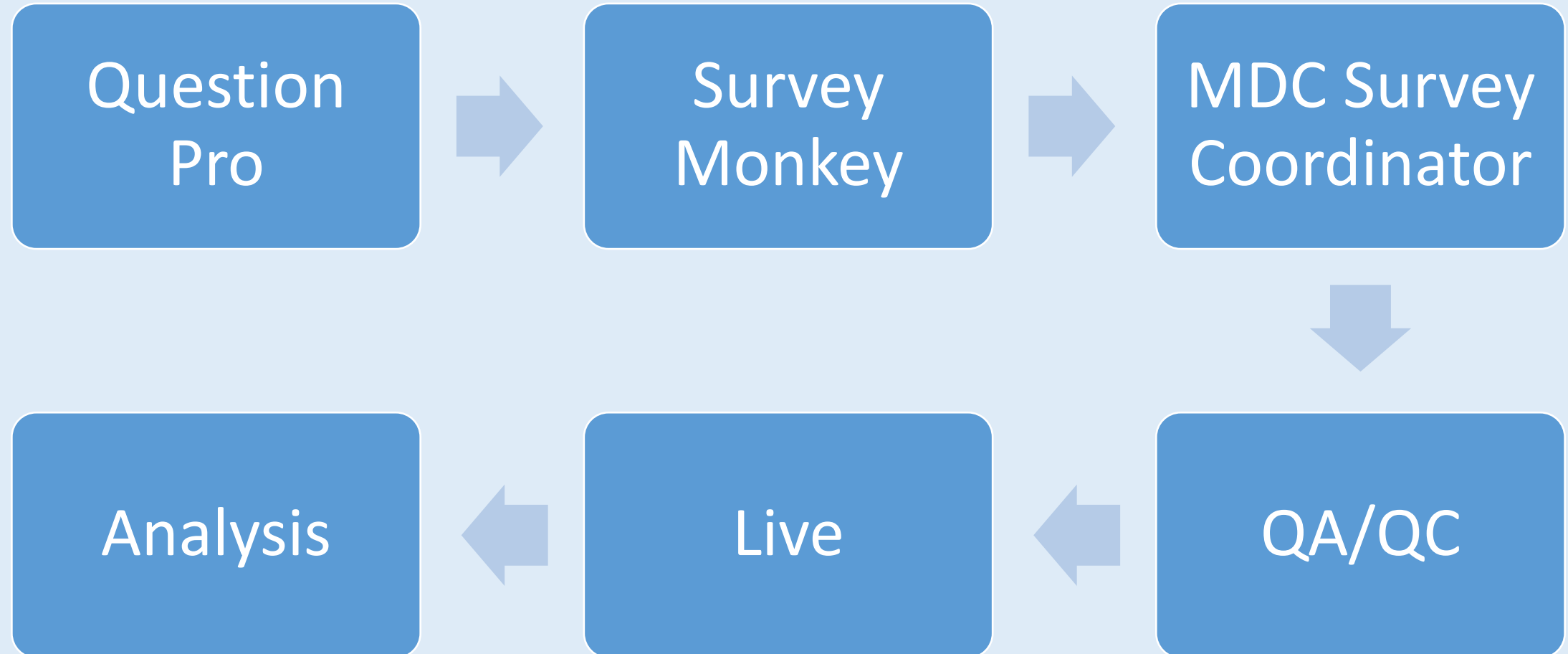
Philip Marley

Data Standards and Technology Trends Committee

Background

- Bruce Schmidt
 - Pacific States Marine Fisheries Commission (retired)
- Evaluate the strengths and limitations of electronic hand-held data collection devices for the collection of natural resource data
- Goals:
 - Most effective
 - Best liked
 - Most cost effective
- Data Standards and Technology Trends Committee

Process

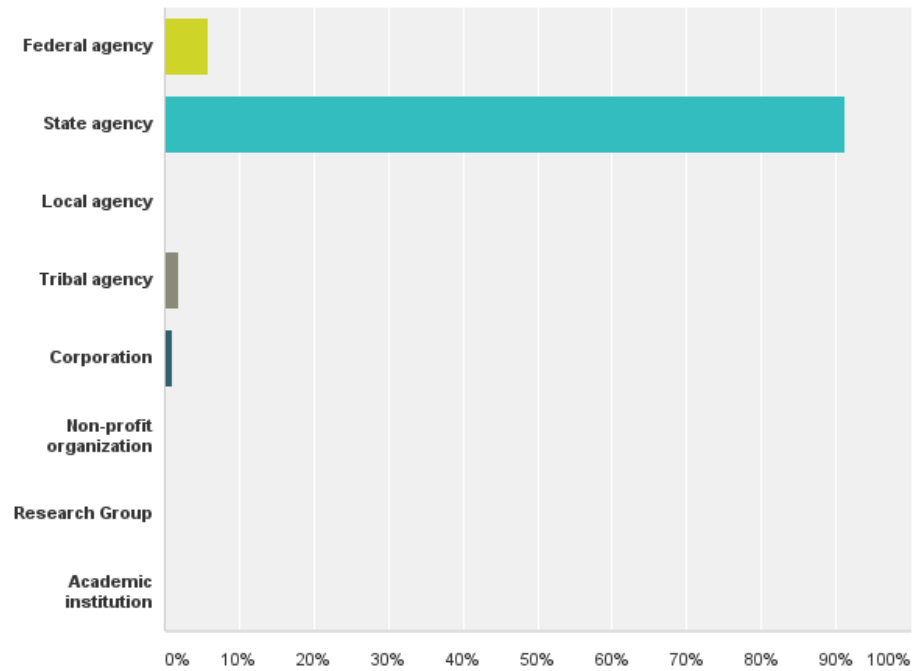


Points

- Had total of 104 entries
- ~70 good responses
- ~50 respondents entered personal data

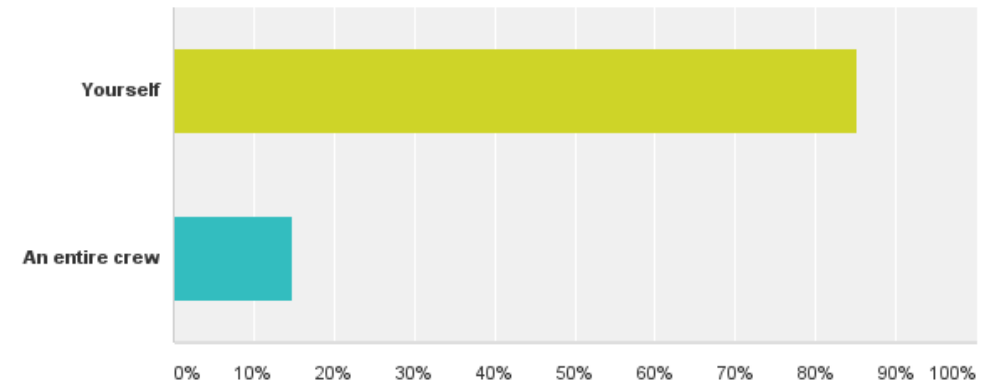
Q1 What sort of organization do you collect data for?

Answered: 102 Skipped: 2



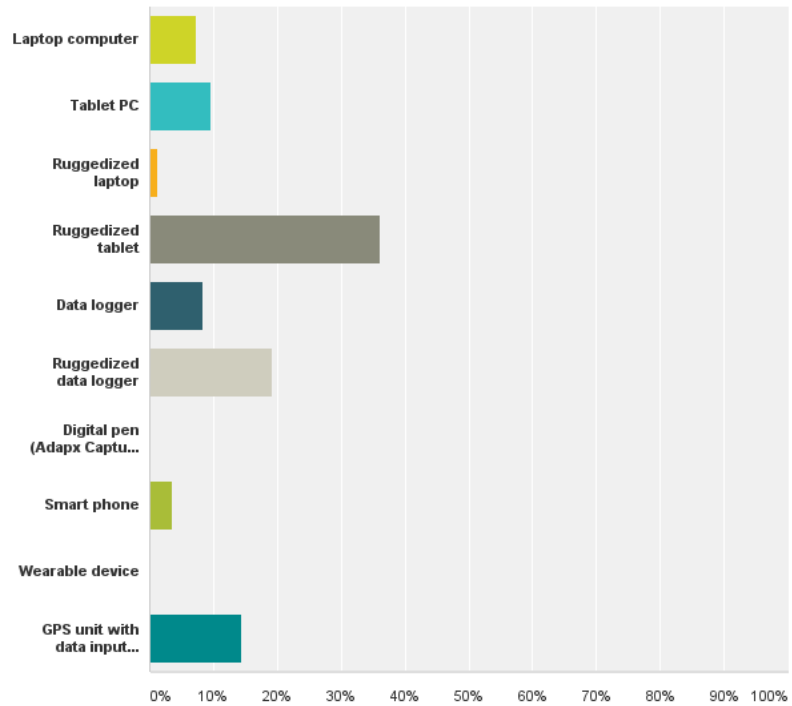
Q2 Are you reporting on this device for? (We would prefer that each member of a crew report separately)

Answered: 101 Skipped: 3



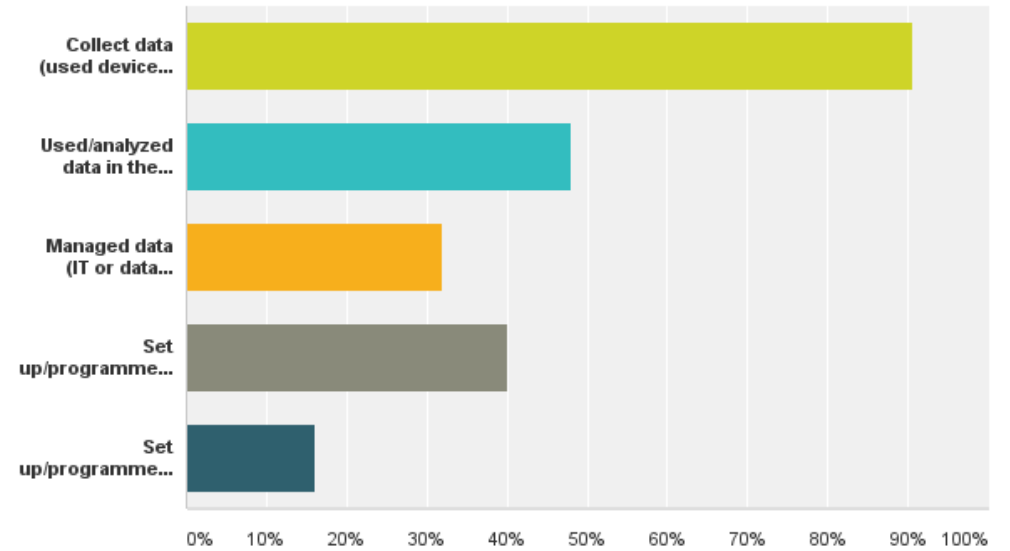
Q3 What type of data collection device are you reporting on?

Answered: 83 Skipped: 21



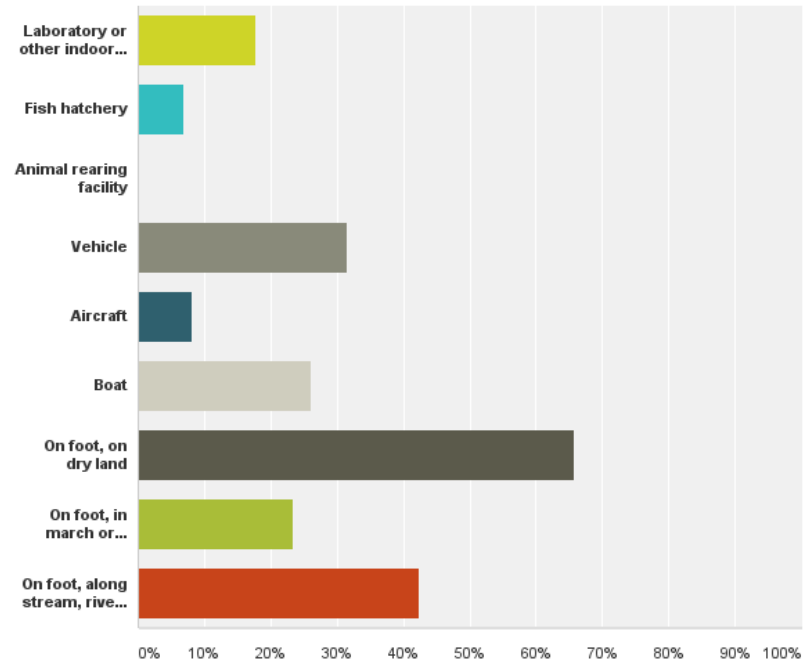
Q6 When using this device, my job/role was: (Select all that apply)

Answered: 75 Skipped: 29



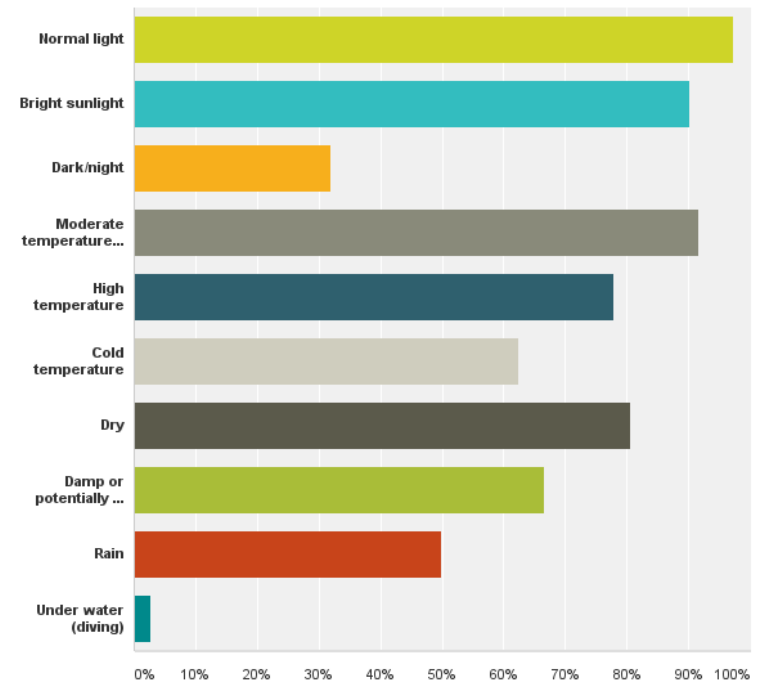
Q7 Please describe the type of location where you've used the device? (Select all that apply)

Answered: 73 Skipped: 31



Q8 What general environmental conditions has the device been used in? (Select all that apply)

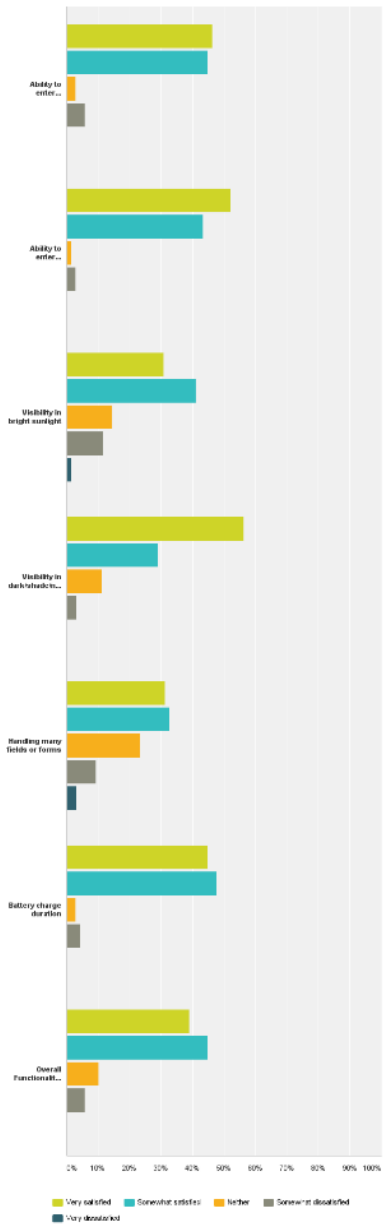
Answered: 72 Skipped: 32



Overall Data

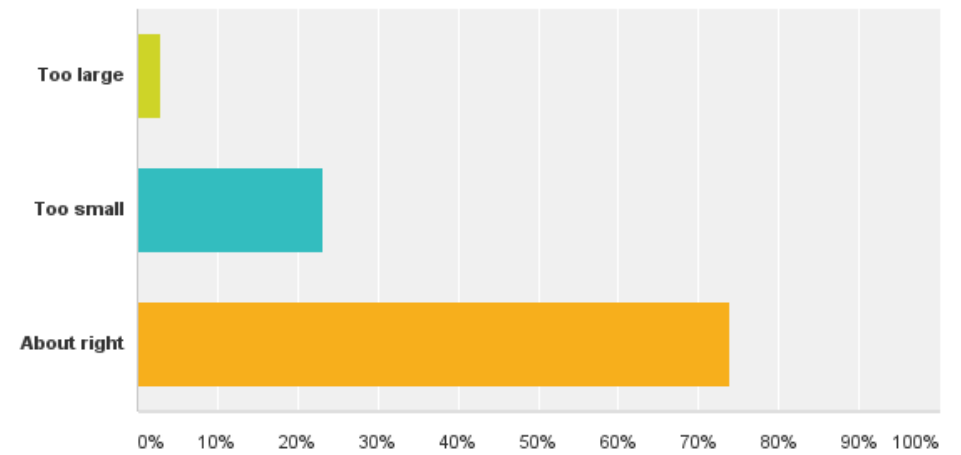
Q10 How satisfied or dissatisfied are you with the capabilities of device for Data Entry based on real-world use?

Answered: 69 Skipped: 35



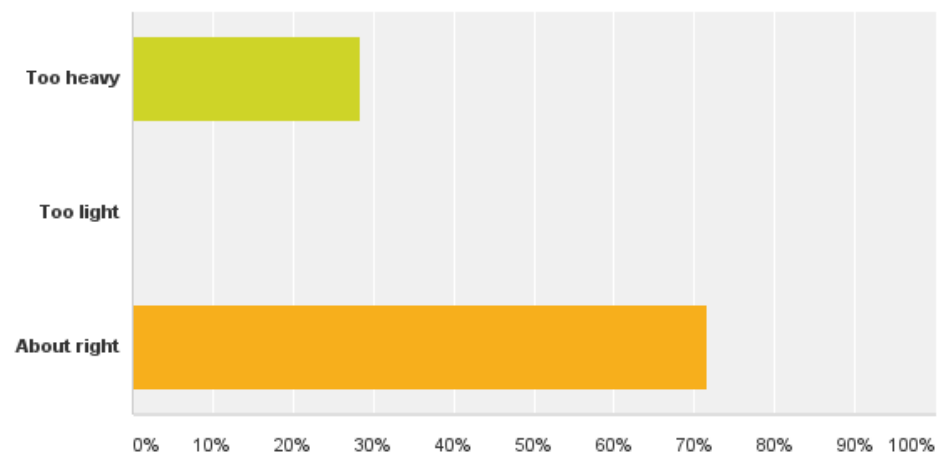
Q11 Do you feel the screen is?

Answered: 69 Skipped: 35



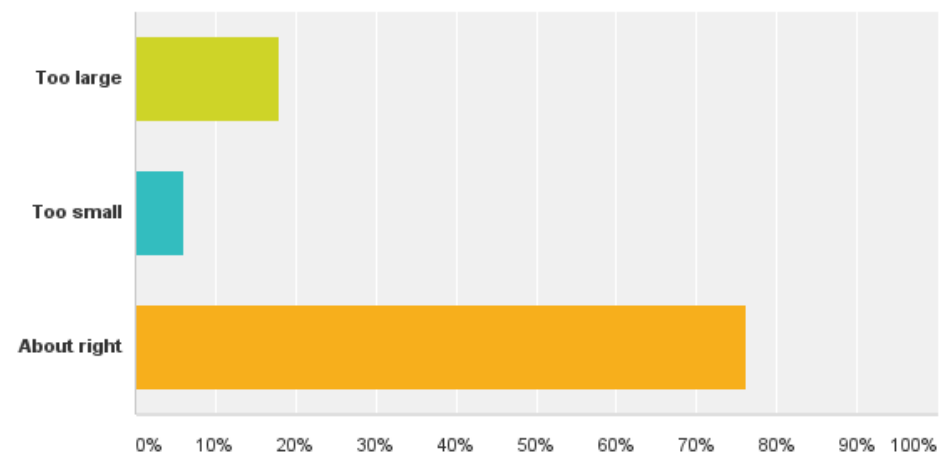
Q12 Do you feel the weight is?

Answered: 67 Skipped: 37



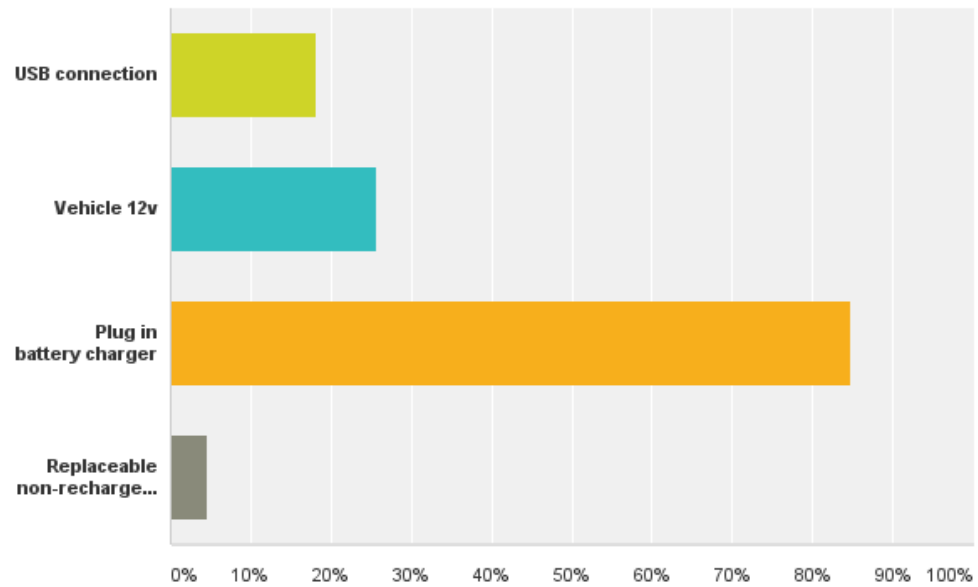
Q13 Do you feel the overall size is?

Answered: 67 Skipped: 37



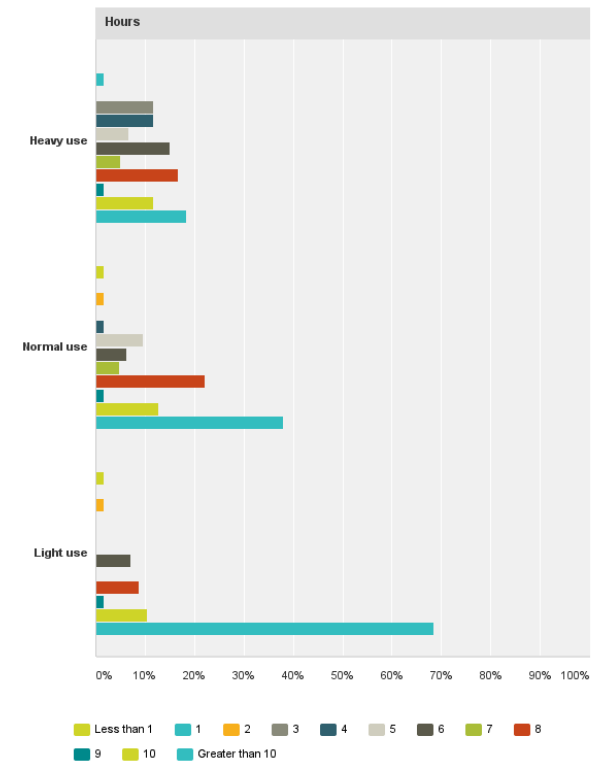
Q14 How is the battery recharged? (Select all that apply)

Answered: 66 Skipped: 38



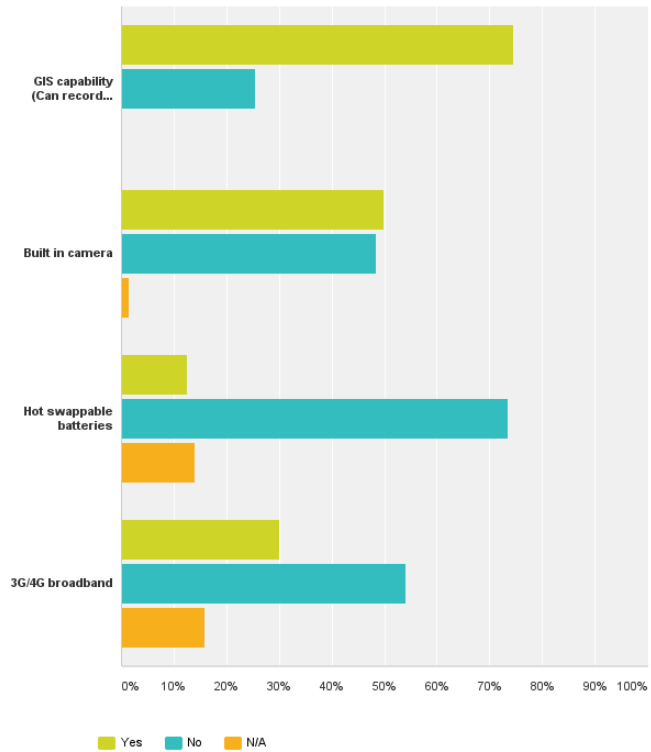
Q15 About how many hours does a charge last under the following uses?

Answered: 67 Skipped: 37



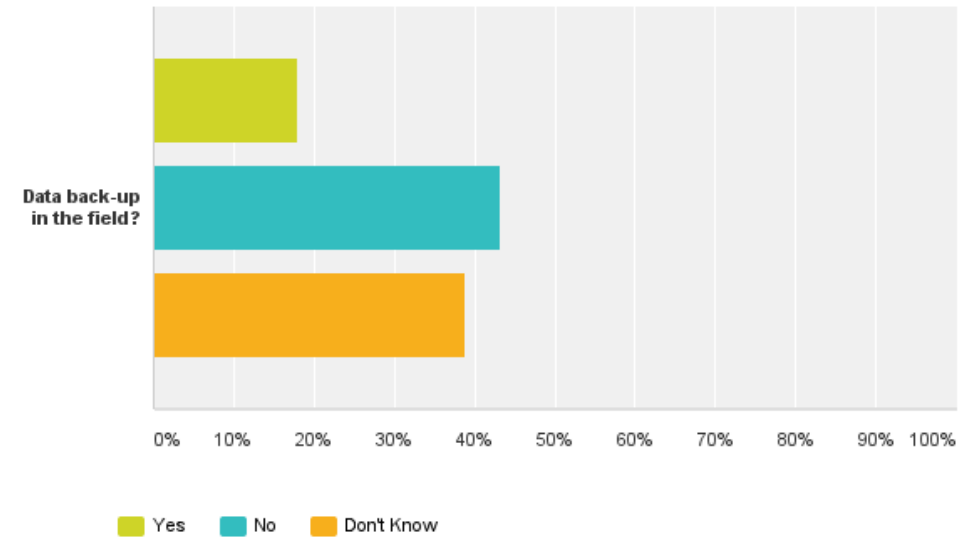
Q16 Does this device have the following additional capabilities?

Answered: 68 Skipped: 36



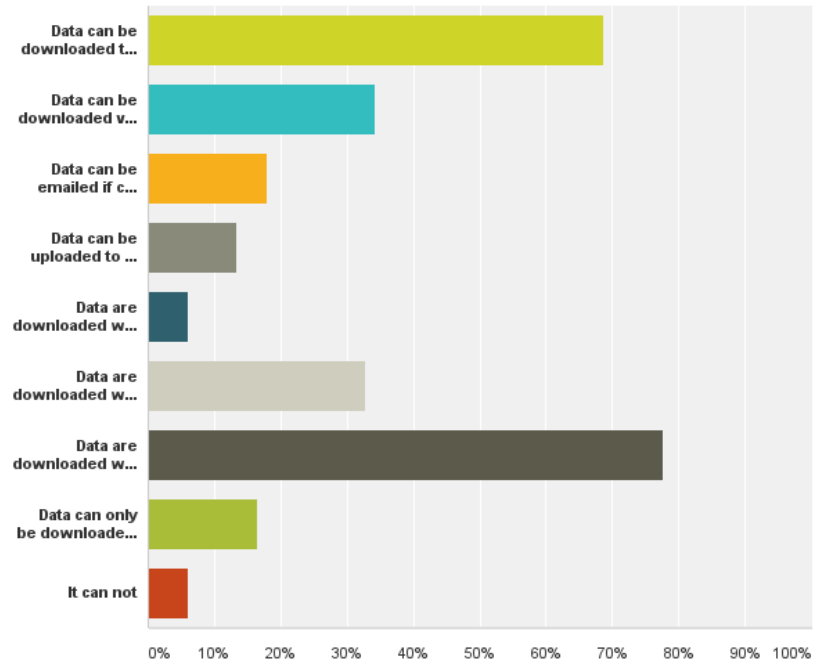
Q17 Does this device provide for secure back-up of the data in the field as they are entered (to protect data from device damage or failure)?

Answered: 67 Skipped: 37



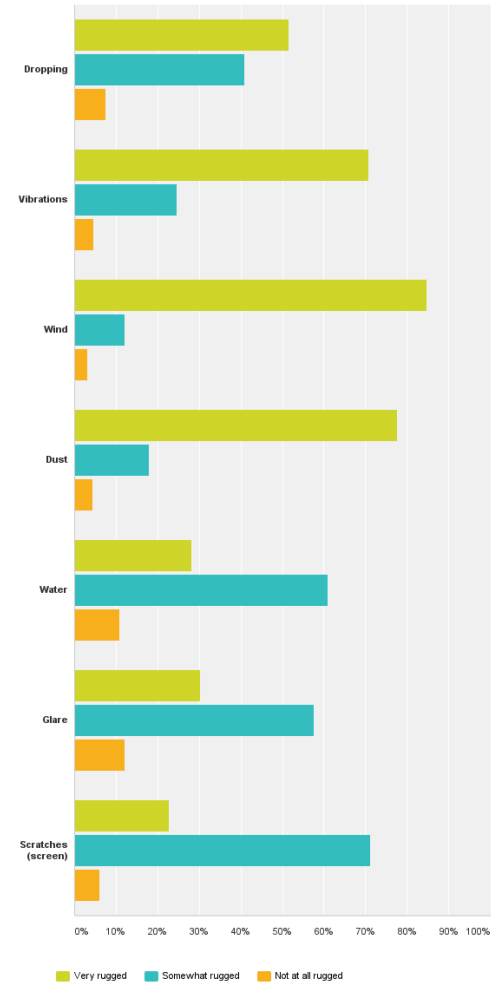
Q18 How can the data be downloaded in the field to another device for security? (Select all that apply)

Answered: 67 Skipped: 37



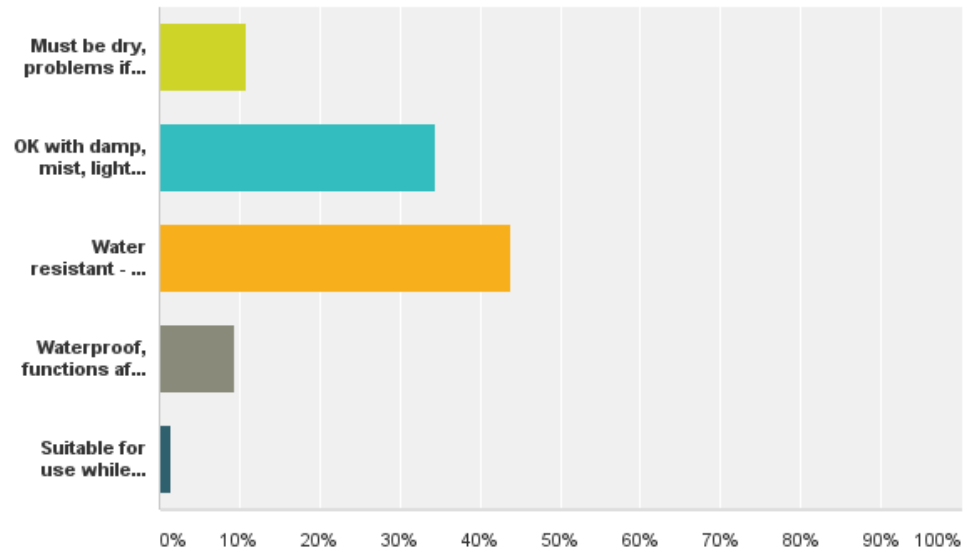
Q19 When encountering the following conditions, how physically rugged is the device?

Answered: 68 Skipped: 36



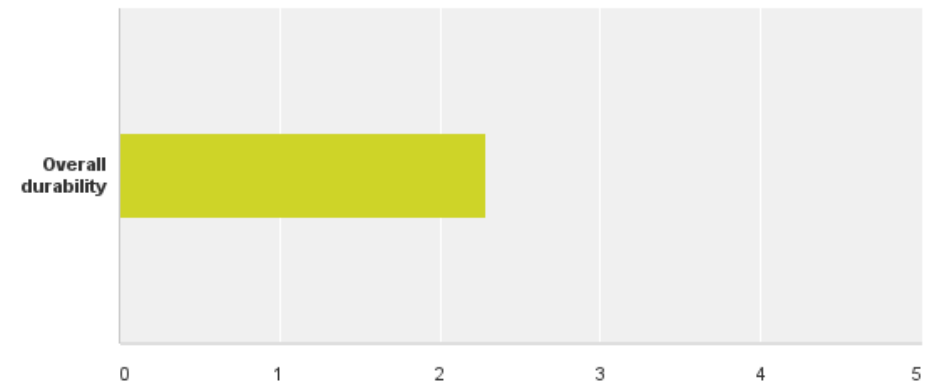
Q20 How sensitive is the device to a wet environment?

Answered: 64 Skipped: 40



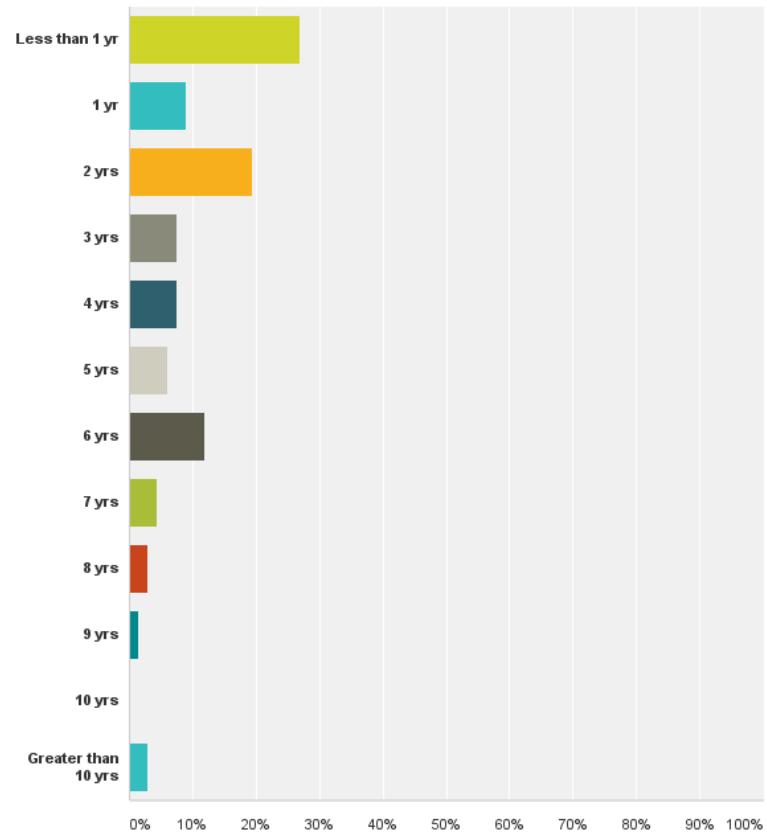
Q21 How would you rate the overall durability of this device?

Answered: 52 Skipped: 52



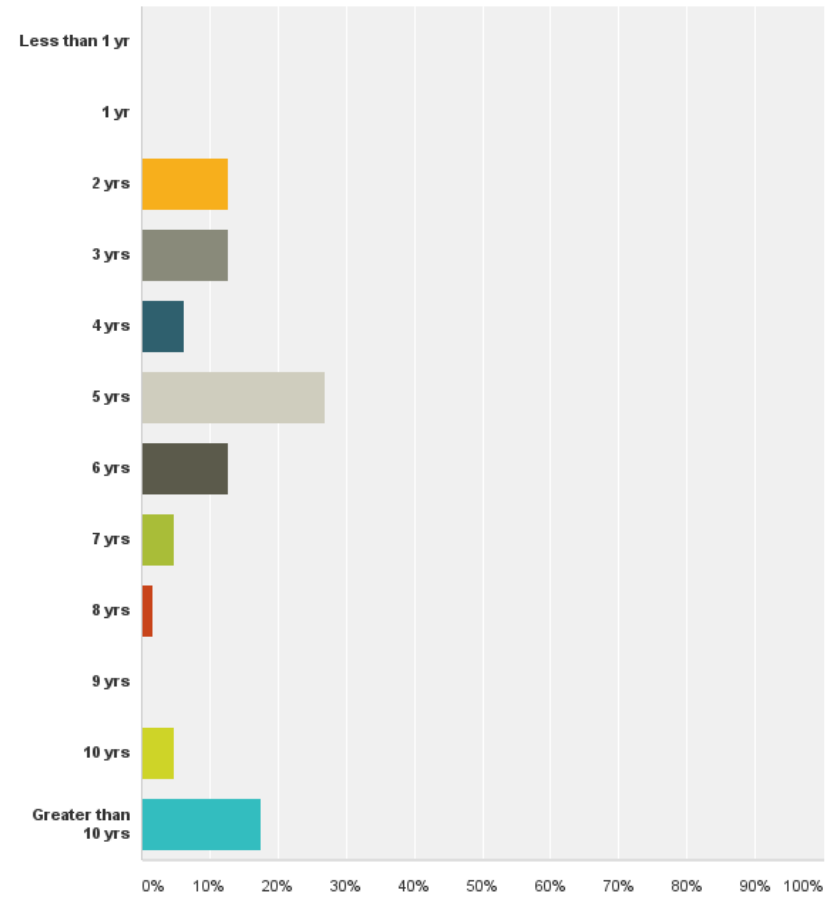
Q22 How many years have you used this type of device?

Answered: 67 Skipped: 37



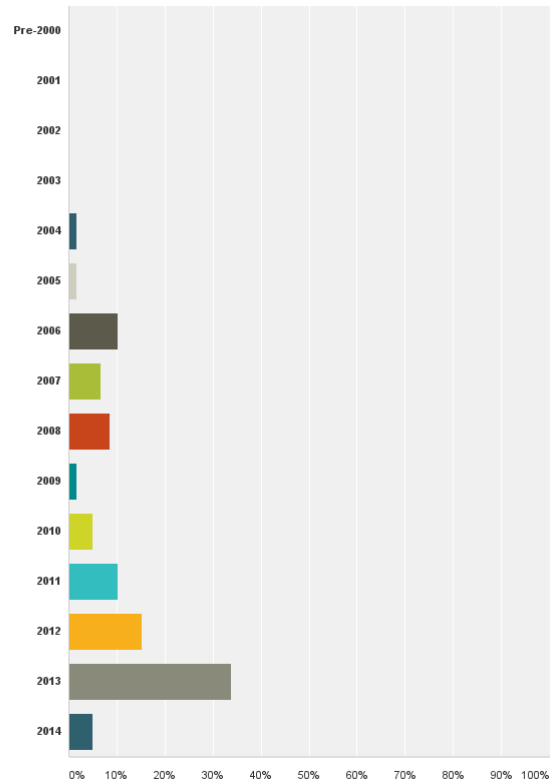
Q23 Based on your experience, how many years do you expect the average device of this type will generally last (estimate)?

Answered: 63 Skipped: 41



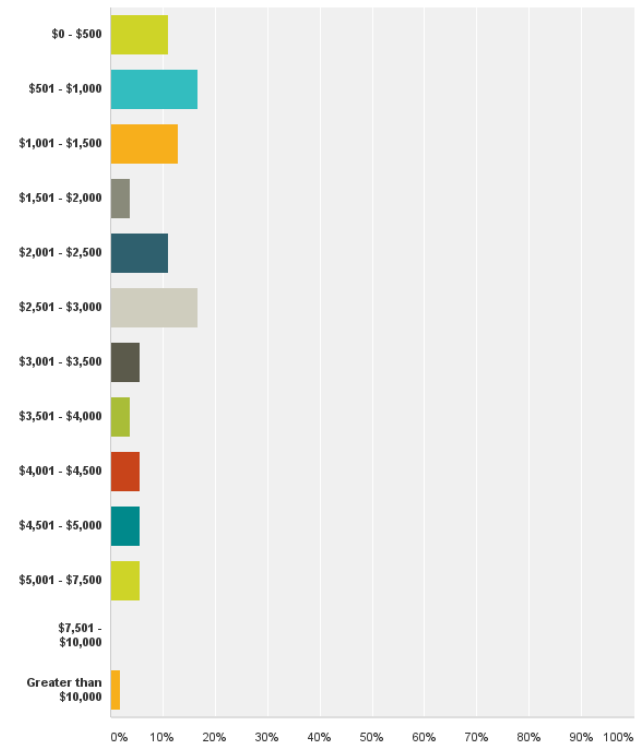
Q24 What year was the device purchased?

Answered: 59 Skipped: 45



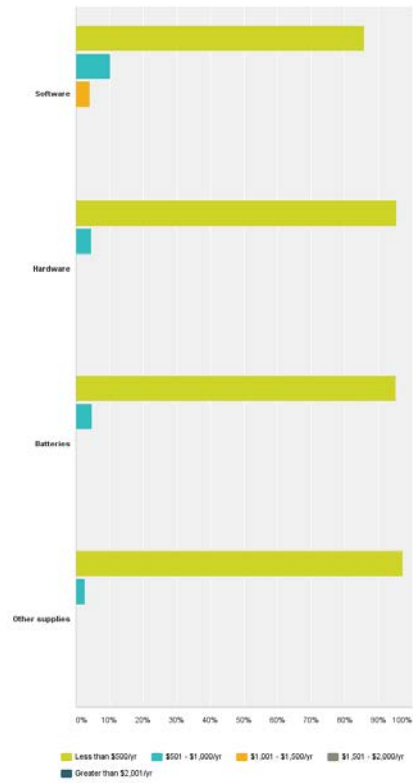
Q25 What was the cost of the individual device?

Answered: 54 Skipped: 50



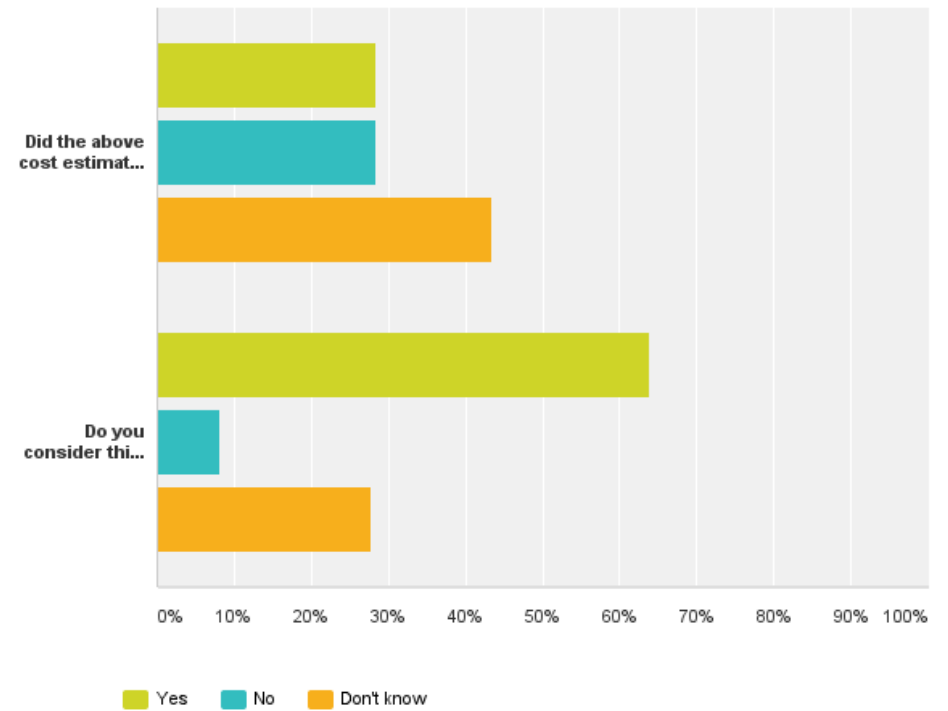
Q26 What was the cost of additional necessary software or supplies (including battery replacement) over its life on an average per/year basis?

Answered: 53 Skipped: 54



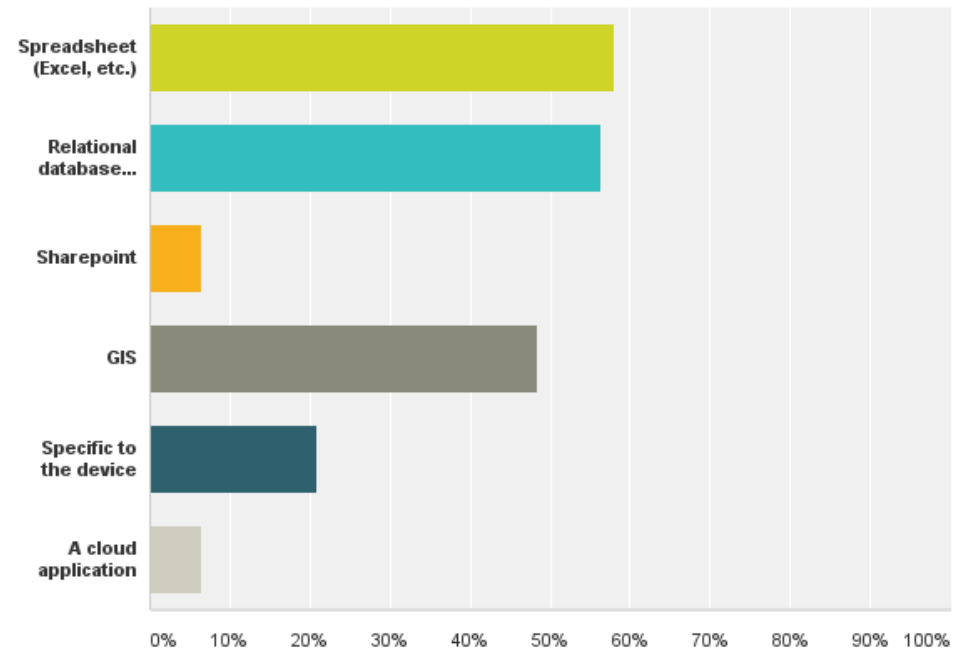
Q27 Regarding the cost of the device:

Answered: 62 Skipped: 42



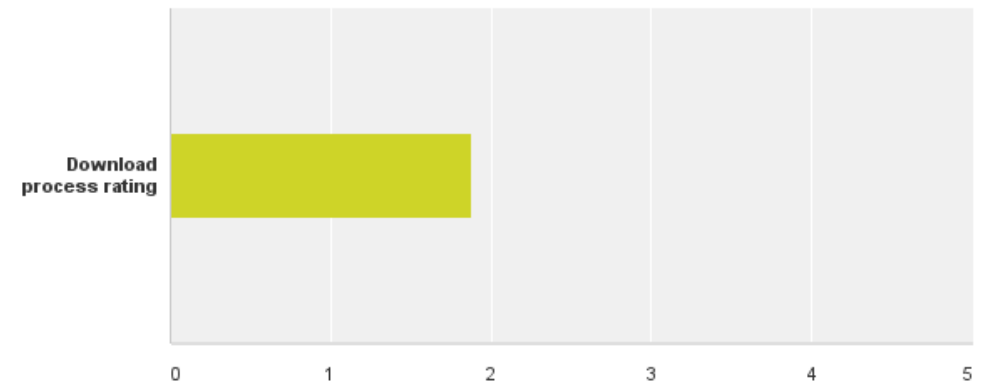
Q28 What platforms do you download data to? (Select all that apply)

Answered: 62 Skipped: 42



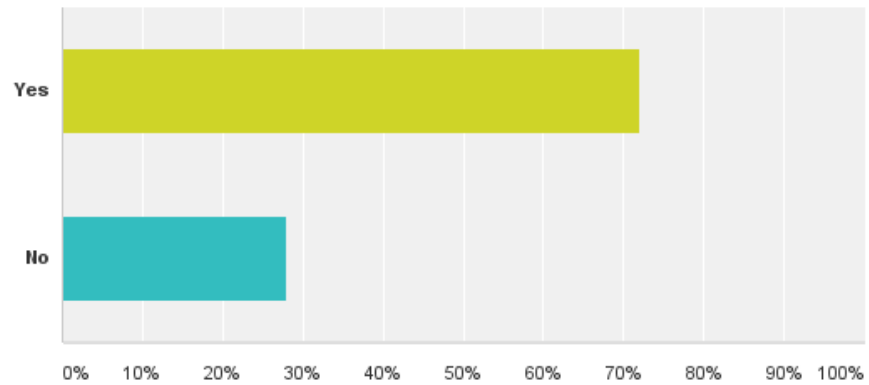
Q30 Overall, how satisfied or dissatisfied are you with the data download process?

Answered: 66 Skipped: 38



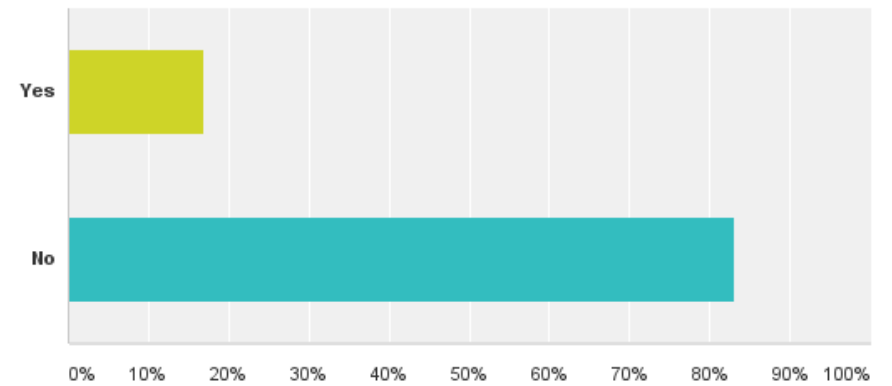
Q31 Does the device have quality assurance (QA) capabilities, such as ability to enforce data range limits, formats, etc.?

Answered: 57 Skipped: 47



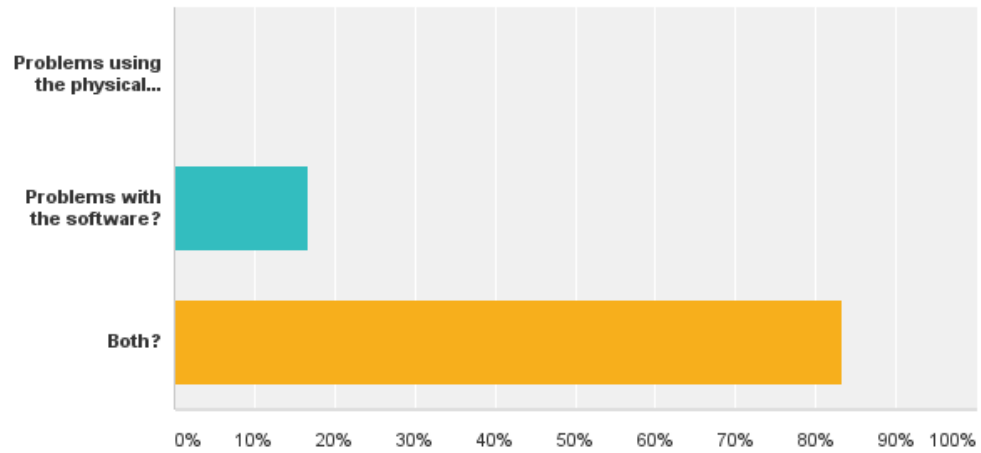
Q32 Do you have concerns over data accuracy?

Answered: 65 Skipped: 39



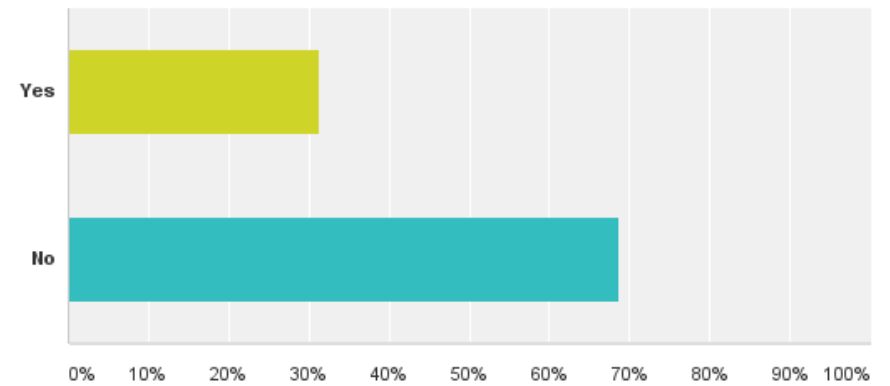
Q33 Are your concerns about data accuracy related to:

Answered: 6 Skipped: 98



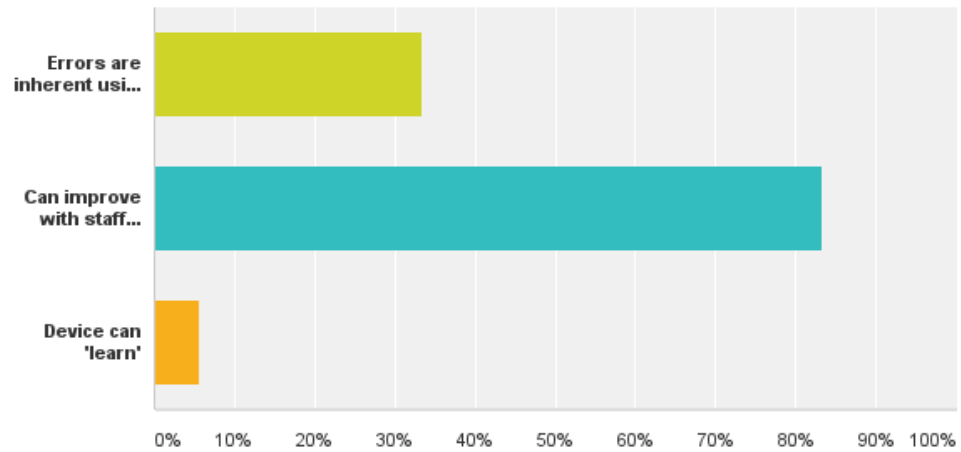
Q35 Do you encounter data errors with this device?

Answered: 64 Skipped: 40



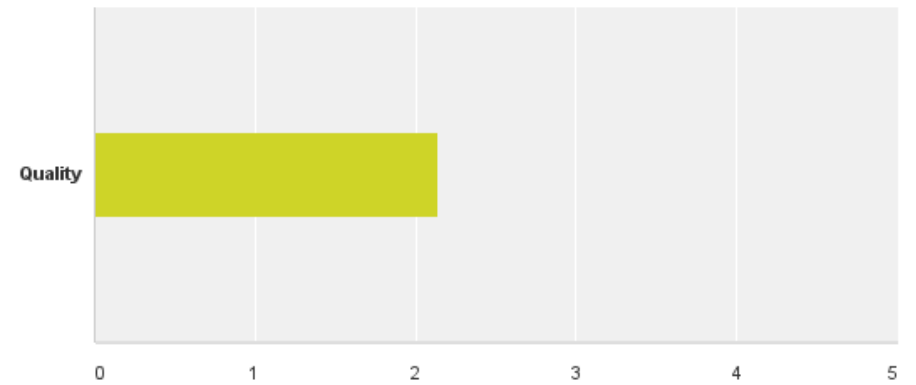
Q36 Which of the following describes the data errors on your device. (select all that apply)

Answered: 18 Skipped: 86



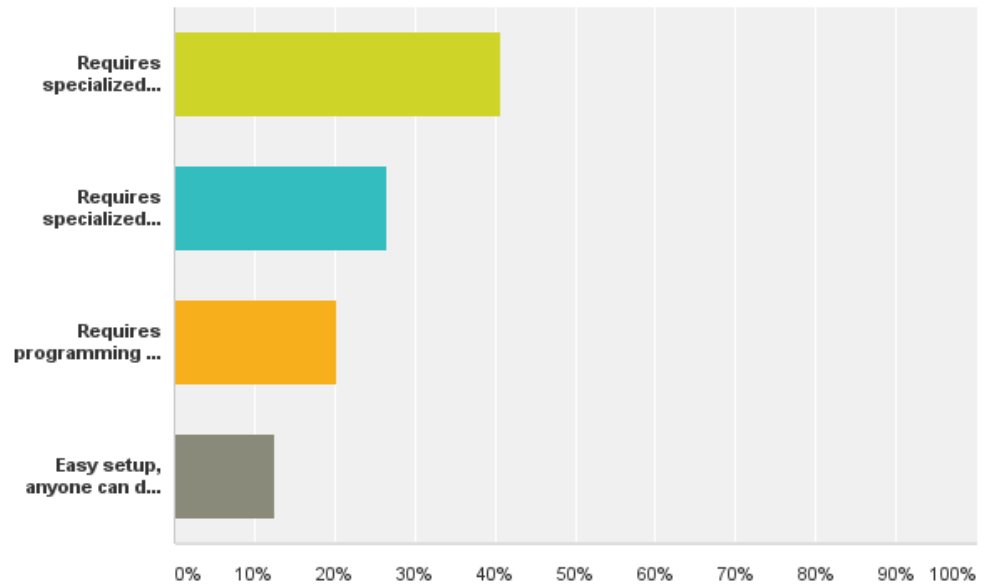
Q37 Overall, how satisfied or dissatisfied are you with the data quality checking with this device?

Answered: 59 Skipped: 45



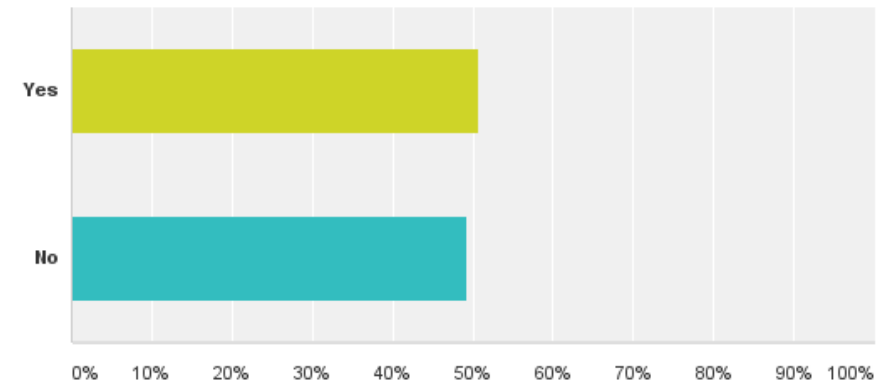
Q38 Which of the following best describes the set-up/programming needed for using the device?

Answered: 64 Skipped: 40



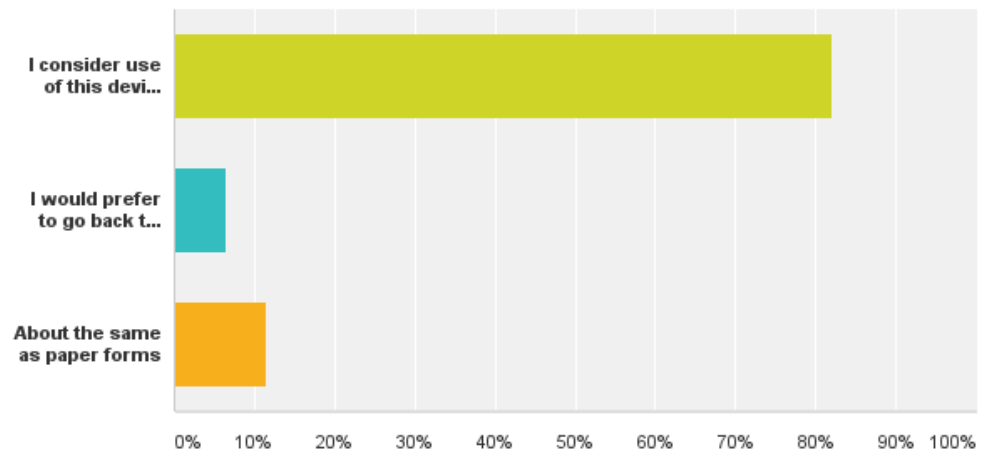
Q39 Have you done side by side comparisons of this device with another device or paper forms?

Answered: 65 Skipped: 39



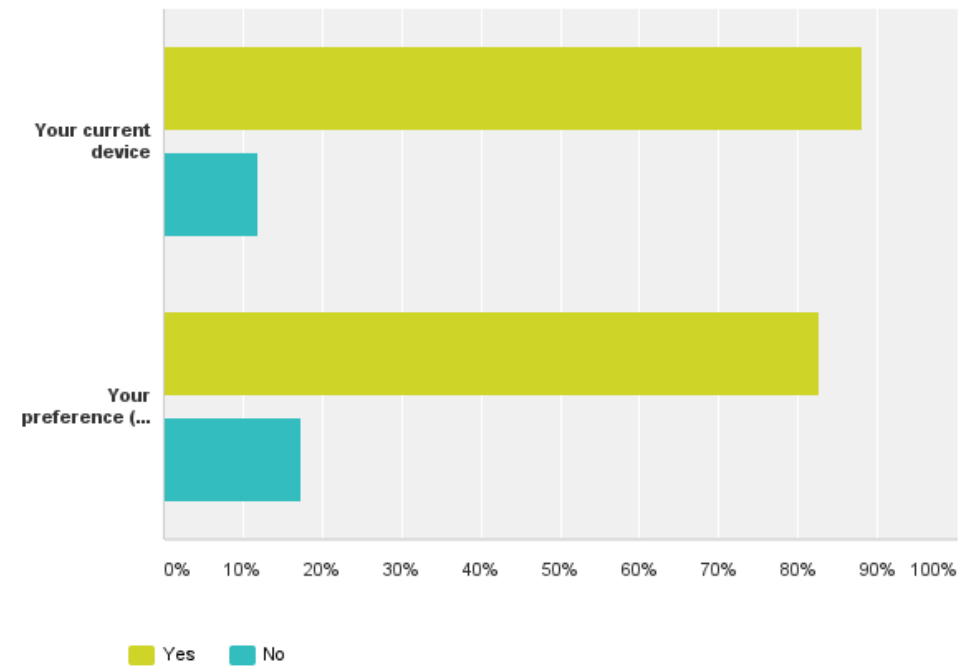
Q41 How do you think this device compares to using paper forms?

Answered: 61 Skipped: 43



Q46 Would you recommend the following to other people?

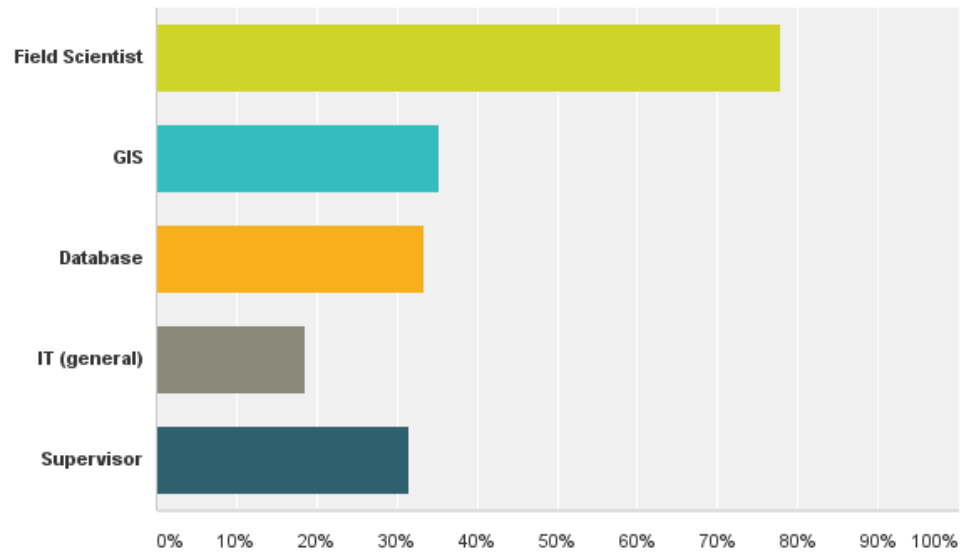
Answered: 60 Skipped: 44



Personal Data

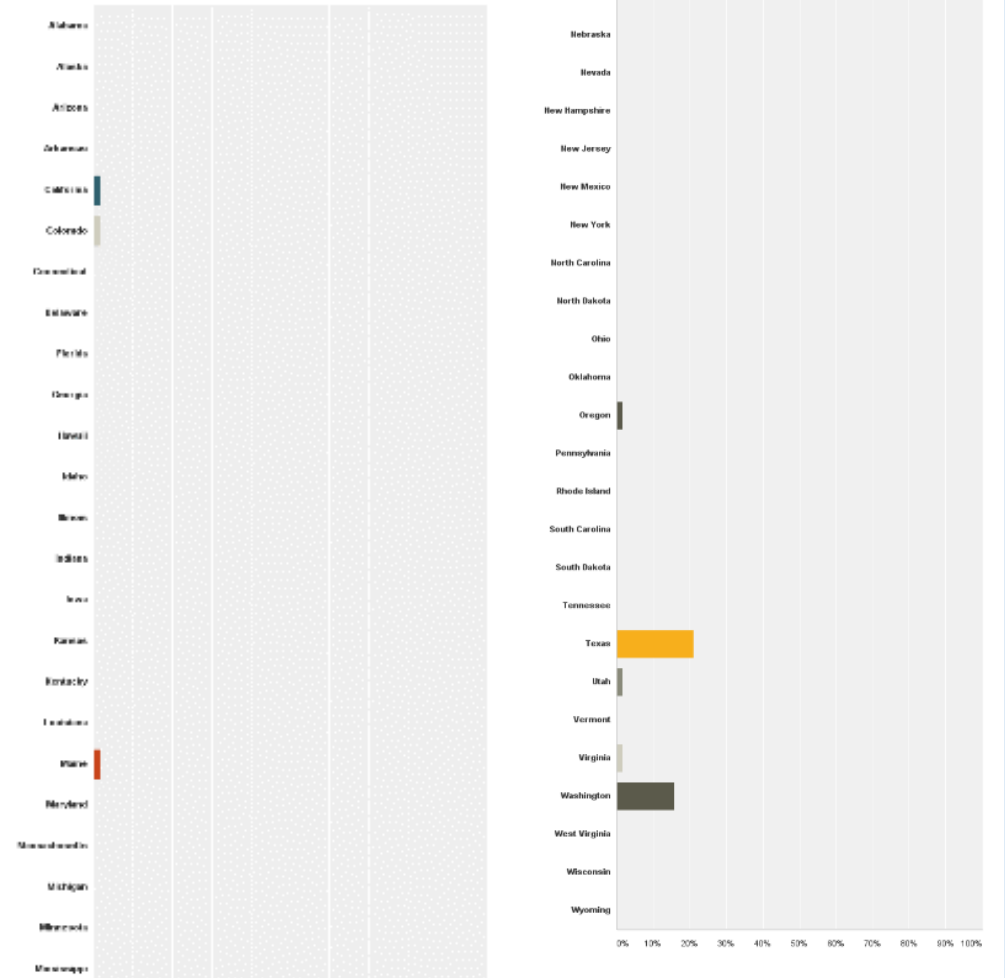
Q51 Area of Work: (Select all that apply)

Answered: 54 Skipped: 50



Q52 State that majority of your work is in:

Answered: 57 Skipped: 57



Questions

Thank you