

***NatureMapping* Program & SQLShare Survey**

Background: The need for biodiversity data, primarily wildlife is the main reason the *NatureMapping* Program was created. Current data for common species is still needed by scientists, natural resource agencies, local jurisdictions, community projects, and schools.

SQLShare was created at the University of Washington eScience Institute for researchers to query their data without having to become programmers. Our project is to provide the same opportunity for anyone to ask questions from *NatureMapping* datasets, but we need your help.

Which category do you fall into? (check all that apply)

- ☐ Interested citizen
- ☐ K-20 student (undergraduate and graduate students included)
- ☐ K-12 teacher or informal educator
- ☐ Adult informal educator
- ☐ Community volunteer organization
- ☐ City, county, parks local jurisdiction
- ☐ Natural resource agency, university

What kind of feedback would you like to receive? (check all that apply)

Lists of species

- ☐ Reported by you
- ☐ Reported by everyone
- ☐ Highlighting non-native, rare, common, etc.
- ☐ Highlighting which ones that *NatureMapping* needs more data
- ☐ Predicted to be in your neighborhood
- ☐ Reported in your neighborhood

Graphs

- ☐ Family groups (e.g., birds, mammals, etc.) seen by month or year
- ☐ Of species you have seen by month or year

Maps

- ☐ Where the species were seen
- ☐ With other information and pictures of the species

Would you like to design your own questions and reports?

- ☐ Yes ☐ No

SQLShare does not make maps. It creates tables and graphs. These data can be mapped. Select the questions you might ask: (check all that apply)

- ☐ How many different species of birds were predicted to be in this area?
- ☐ How many different species of animals have been seen in this area?
- ☐ How many other people have reported observations for the species I observed?
- ☐ What species are the most common?
- ☐ What species are non-native?
- ☐ For what species do we need more data collected?
- ☐ What species are migratory?
- ☐ What species haven't been recorded but predicted to be here?
- ☐ What species do we see monthly?
- ☐ What was the average temperature and rainfall in the month of May for the past 10 years compared to the number of birds reported in May?
- ☐ Is the diversity (different species) of one area greater or less than another (e.g., NW Trek versus Pt. Defiance Park)?

Write your own question(s)

NatureMapping encourages you to submit an observation, even if you are unsure of the identity. Wildlife are moving because of weather, habitat changes and range expansions. If you saw an observation that you feel needs further review, would you be willing to "tag" the record to alert *NatureMapping* and others? ☐ Yes ☐ No

These are sample questions and the SQLShare SELECT statements.

What species are considered at risk in Washington State?

```
SELECT * FROM [naturemapping_data.csv] WHERE [at-risk-2] = '2'
```

What mammals were reported at the Pt. Defiance Bioblitz? (Tracker 1 teams reported mammals.)

```
SELECT * FROM [pt_defiance_bioblitz.txt] WHERE [tracker] = '1'
```

Does the process look easy enough for you to try to write your own if given enough examples?

- ☐ Yes ☐ No

- ☐ If not, why not?
