

Dataversity – Example Data

Greater Wellington bird data



Regional council statutory responsibilities

- Resource Management Act
 - State of the Environment monitoring requirements
 - Regional Plans
- Other Acts
 - Biosecurity Act
 - Local Government Act
 - Reserves Act

Regional council monitoring needs

- State of the Environment
- Policy effectiveness
- Compliance
- Outcome monitoring
- Results monitoring

SOE reporting Ecological Integrity Framework

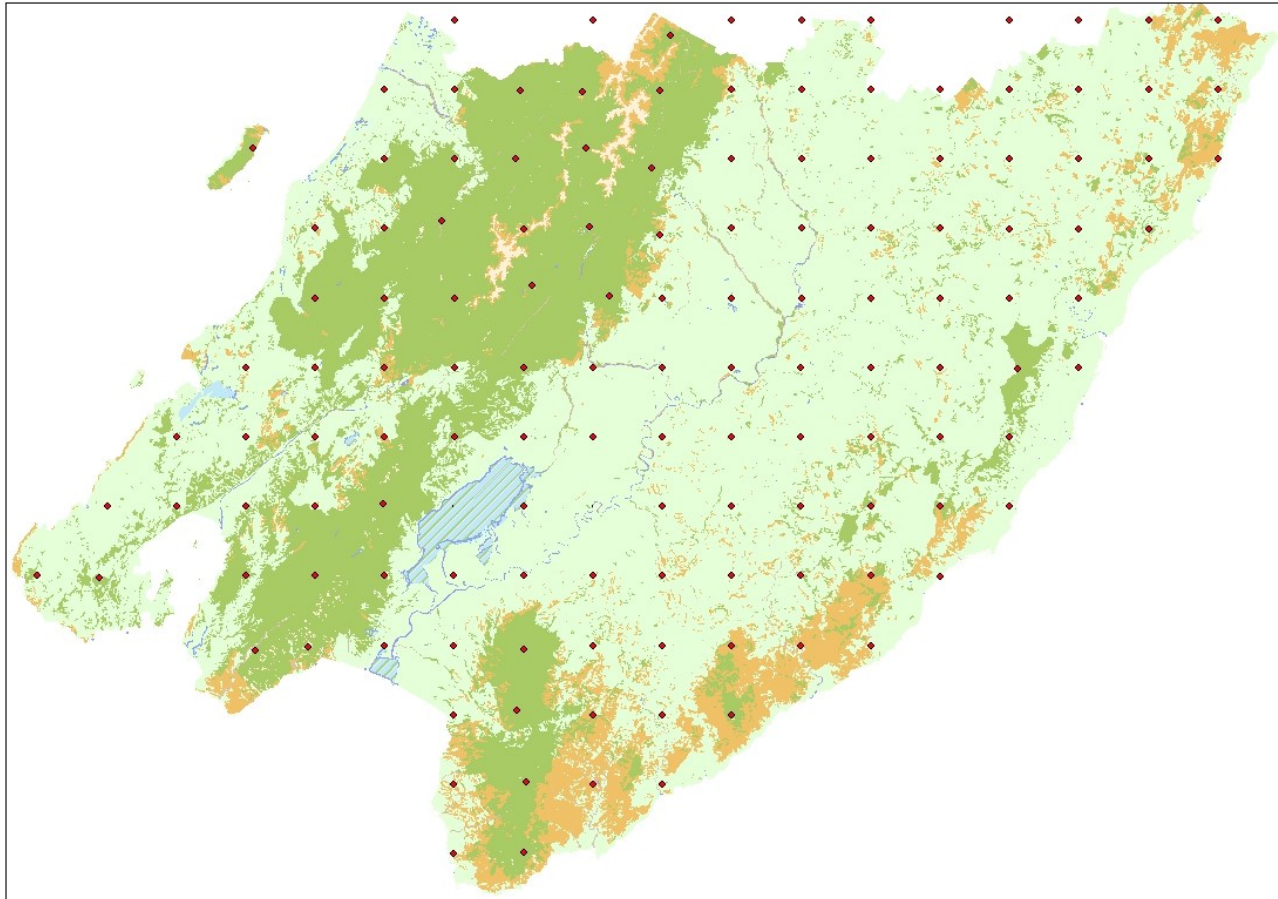
- Species occupancy
- Indigenous dominance
- Ecosystem representation

Example SOE indicator

Avian representation

- Species richness (the number of species present)
- Species occupancy (the proportion of locations occupied by a given species)
- Species density (the number of individuals of a given species within a hectare).

Greater Wellington 8km x 8km grid



GW current bird monitoring purposes

- Management outcomes, e.g. mainland islands, wider pest control
- Trends over time/research
- Inform management, e.g. nesting success of banded dotterel
- Translocation success
- Inform consents/compliance

Current GW bird data holdings

- Five minute bird counts
- Distance sampling
- Slow walk transects
- River surveys
- Nesting success
- Population viability
- Wetland and lake surveys

GW: How data is held

- Excel spread-sheets
- DoC 5MBC template
- Slow walk transect template (Handford, 2000)
- Quality checks
- All data entered into eBird to provide a back-up
- Find eBird has flexibility to store most types of data, can be downloaded for analysis if necessary