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To install and use the landscape species selection software please do the following:

1. Copy the file SpeciesSelectionV2.zip to a temporary directory (e.g. C:\Temp or C:\Downloads) and unzip this file.

2. Unzip the file by double clicking on it. If you don't have the Winzip software needed to do this then you can download it from http://www.winzip.com/

3. Three files (Setup.exe, Setup.lst and SpeciesSelection.cab) should have been extracted from the zip file to the same directory.

4. To launch the setup program, run the program setup.exe from the same directory that contains the files Setup.lst and SpeciesSelection.cab. You are then guided through the installation.

5. Once the Landscape Species Selection software is installed, you can run it from the Programs | Landscape Species Selection folder off the Start menu on your windows Taskbar (alternatively you can do this by double clicking the file SpeciesSelection.exe, which is probably in the folder "C:\Program Files\LandscapeSpeciesSelection" (If you can't find it, use Search in the start menu to find SpeciesSelection.exe). Under Programs | Landscape Species Selection you will also find the online help file for the software.

6. Once you open the software and you should see a screen that looks like:

7. Next, select Open from the Project menu at the top of the window (or press Ctrl+O) if you have a project file (the file has a 'lss' extension). The candidate species are displayed on the first tab. Clicking the Parameter Specifications tab will allow you to enter and look through the background data. If you want to enter data for each of the candidate species, click the Selection Criteria tab. Take a look at the summary tables and graphs to get an

overview of the data that have been entered (or enter of change data in some of the summary tables). The aggregate scores and graphs will only be calculated and displayed once data have been entered for all candidate species. Once the aggregate score are calculated you can move to the Complementarity tab to select the suite of landscape species. A more detailed checklist that follows has been put together to help you through the Landscape Species selection process.

8. Select Save from the Project menu to save your data in a text project file with a 'lss' extension (the program still has some bugs so it's important to save often to avoid losing data). The file Examples.zip contains an example project, example input/output (from different tabs, i.e. Candidate Species, Parameter Specifications, Summary Tables, Complementarity) and results data, which can be unzipped and opened in the software to get an idea of how it works. Any project file can be re-opened during subsequent sessions using the LSS software by selecting Open from the Project menu (or pressing Ctrl+O).

9. Please report any bugs in the selection software to Samantha Strindberg (SStrindberg@WCS.org).

Checklist for completing Landscape Species Selection (Version 2.0 beta)

❑ Define a set of Candidate Species

❑ Define the Parameter Specifications of your geographical region of interest
   o List the Habitat Types in your Landscape, the surface area of each, and the Level of Use required to represent each

   o List the Management Zones in your Landscape, the surface area of each, and the Level of Use required to represent each

   o List the important Human Activities in your Landscape, the Probability of Occurrence for each, and the Urgency of each

   o List the Ecological Functions that occur in your landscape

   o Select the method for representing Home Range Size

❑ Enter values for the 5 Selection Criteria for each candidate species
   o Score each species for Heterogeneity by:
      Δ Specifying each species Level of Use for each Habitat Type
      Δ Specifying each species Level of Use for each Management Zone

   o Score each species' Area requirements by:
      Δ Choosing the species home range size
      Δ Indicating whether the species disperses long distances
      Δ Indicating if connectivity is important for the species

- ∆ Indicating the proportion of the landscape that the species occupies

- o Score each species for Vulnerability by:
    - ∆ Rating the Current Conservation Status for each species
    - ∆ Scoring the Severity of each threat for each candidate species
    - ∆ Scoring the Recovering time of each species in relating to each threat
    - ∆ Specifying the Proportion of each species local distribution which being affected by each threat

- o Score each species for Functionality by rating the strength of its role for each function

- o Score each species for Socio-Economic Importance by:
    - ∆ Indicating each species' significance as a Flagship Species
    - ∆ Indicating each species' significance in term of Positive Local Cultural Value
    - ∆ Indicating each species' significance in terms of Negative Local Cultural Value
    - ∆ Indicating each species' significance in terms of Negative Economic Value
    - ∆ Indicating each species' significance in terms of Positive Economic Value

❑ Define the Parameters controlling selection and Complementarity
  - o Define the Margin of Error rule for manually selecting among species with similar Aggregate Scores
  - o Determine the Cutoff value for when a threat is represented by a species
  - o Determine the minimum Current Conservation Status for species to be selected

❑ Work interactively with the software to select the suite of Landscape Species
  - o If the software asks, choose between species whose Aggregate Scores are with the Margin of Error