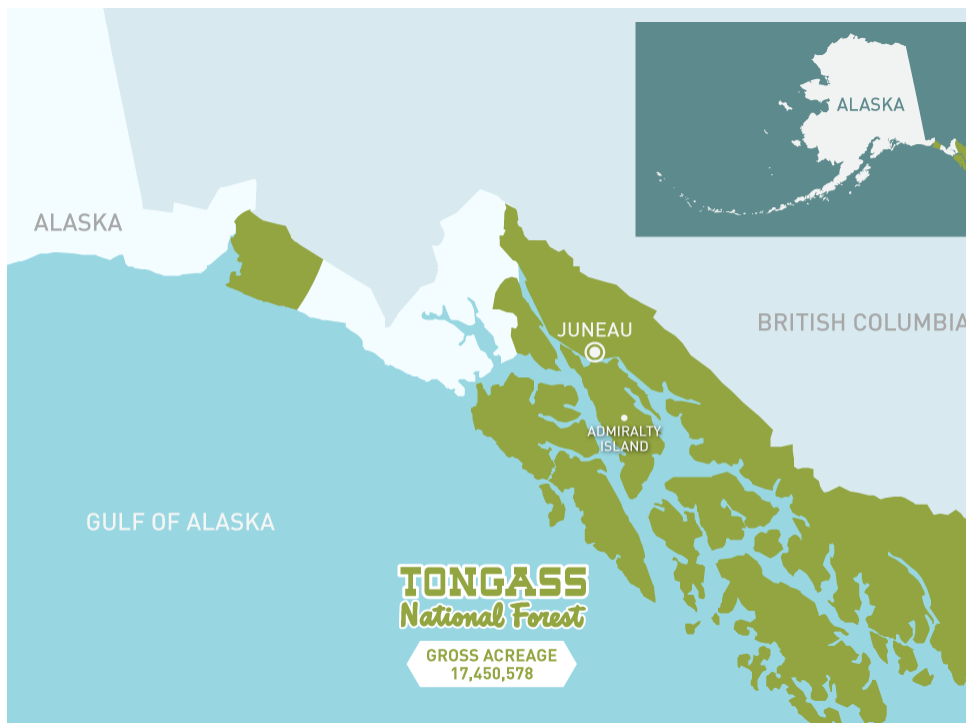


Lab 6

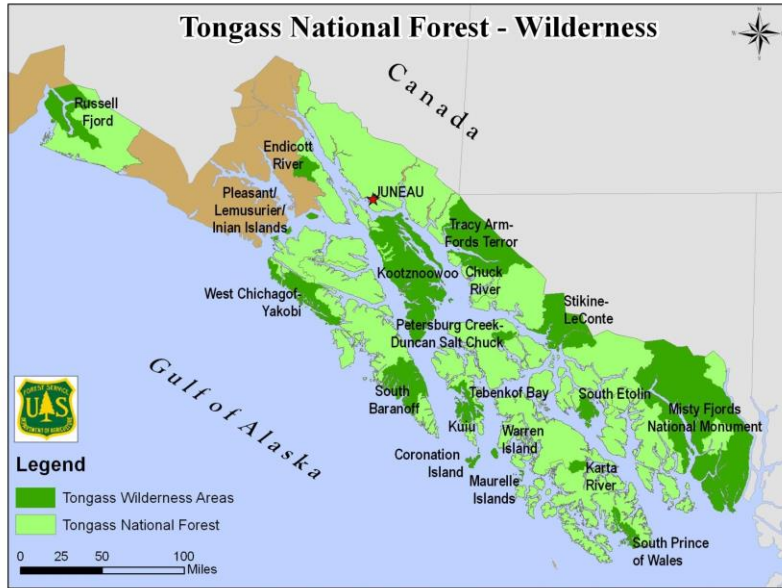
Vector Analysis

Tran Quang Bao

1



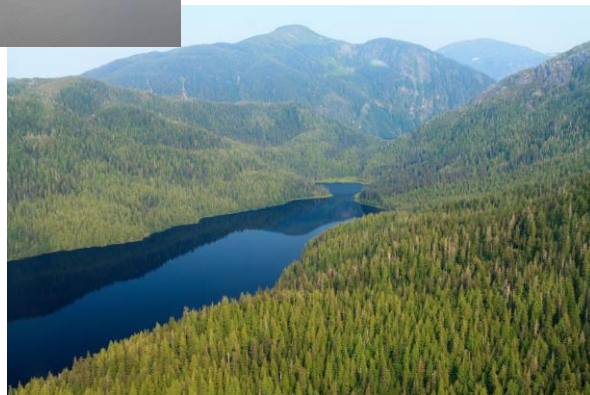
2



3



Wilderness Areas



4

Analysis Problem

- You will be now working for a lumber company in the Tongass National Forest in southeastern Alaska. Your job is to calculate timber values of the potential lease areas.
- You need to first determine which stand of forest is harvestable based upon their monetary value. From this information, select one stand to evaluate for harvestable area.
- Stand value – Giá trị cây đứng

5



Logging Areas



6

Specific criteria that you need to take into consideration are:

1. *No trees may be cut within 800 meters of a goshawk nest.*



7

Specific criteria that you need to take into consideration are:

2. *No trees can be cut within 50 meters of a stream.*
3. *Also, no trees can be cut within 100 meters of a stream where salmon spawn.*



8

TURN IN:

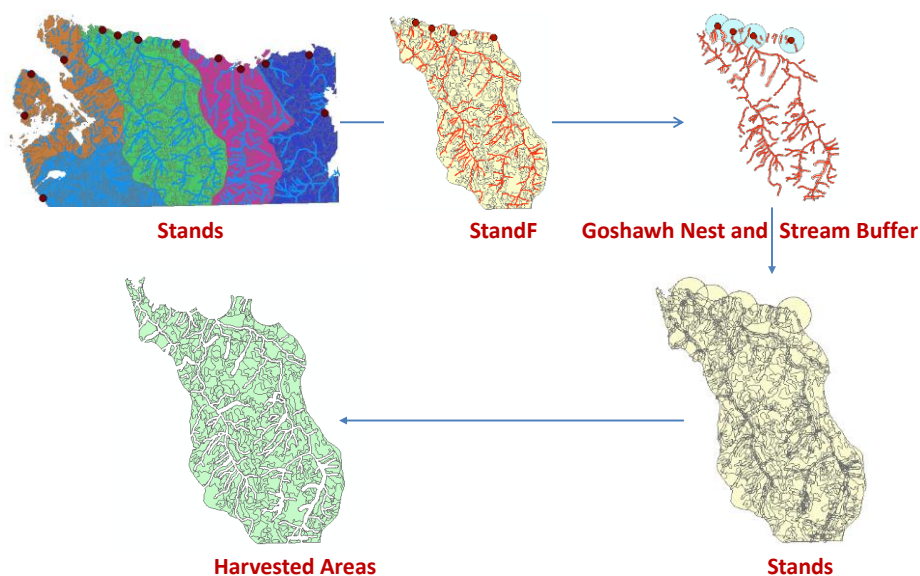
- A flowchart of the procedure you will follow. This flow chart should clearly identify the data preparation or processing part from the analysis part.

HINT: Read the entire exercise first, then create your flowchart.

- A paragraph that identifies the stand you have selected, comparison of the original value of the stand and the recalculated value of the stand, and other attributes that should be considered before going forward with logging – what other considerations have been left out?
- A layout of the selected harvestable area with streams and goshawk nest, their buffer zones clearly delineated.

9

Flowchart...



10

