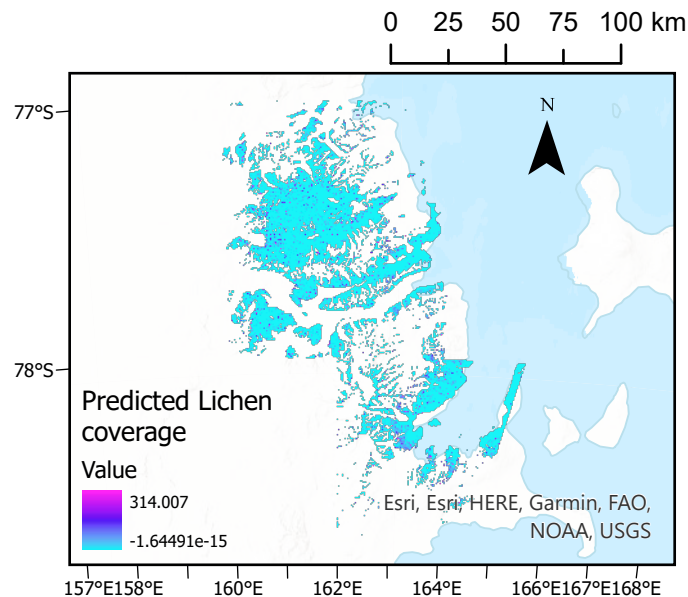
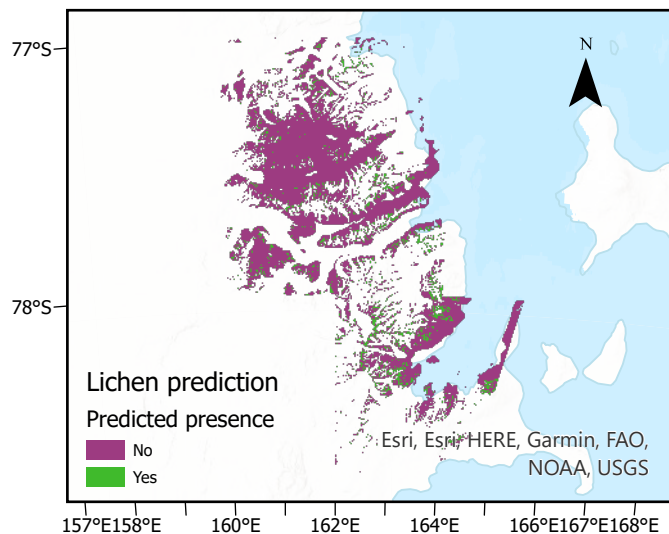
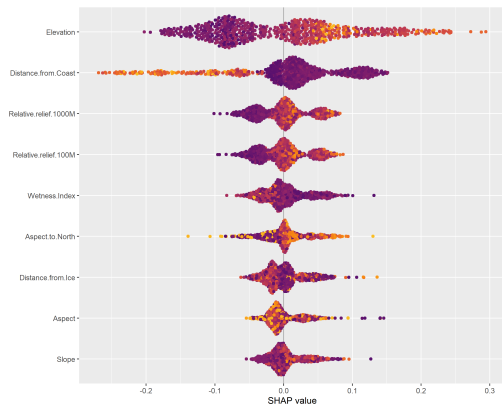


Lichen prediction by R



SHAP value for LICHEN classification



```

confTestResult=Forma ~ log ~ data, train = 1000, type = "A"
# Type of reaction time classification
# Number of times: 1000
# No. of variables used in each split: 3

COB estimate of error rate: 21.27%

Confusion matrix:
0 1 class err
0 649 30 0.08471078
1 114 34 0.77027078

Confusion Matrix and Statistics
Predicted
          0          1
Actual 0    649      30
       1    114      34

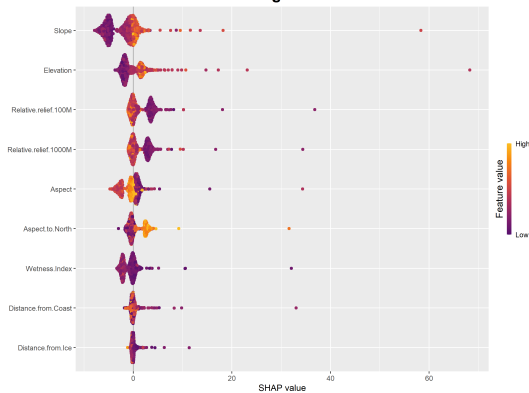
              Accuracy: 0.8151
              95% CI: 0.7647 0.8647
              Prevalence: 0.2618
              Incidence: 0.1373
              Prevalence Ratio: 0.4483
              Detection Rate: 0.5329
              Detection Rate (95% CI): 0.4797
              Specificity: 0.5297
              Positive Cases: 0

Confusion Matrix and Statistics
Predicted
          0          1
Actual 0    649      30
       1    114      34

              Accuracy: 0.8151
              95% CI: 0.7647 0.8647
              Prevalence: 0.2618
              Incidence: 0.1373
              Prevalence Ratio: 0.4483
              Detection Rate: 0.5329
              Detection Rate (95% CI): 0.4797
              Specificity: 0.5297
              Positive Cases: 0

```

SHAP value for LICHEN regression



```

Cell:

randomForest(formula = bio ~ ., data = train, tree
              Type of random forest: regression
              Number of trees: 1000
              No. of variables tried at each split: 3

              Mean of squared residuals: 686.9579
              % Var explained: -3.3

```