

Core Areas of Biological Value  
for the Conservation of  
**Brown and Black Bear  
Habitat**

on the Tongass National Forest  
and adjacent lands\* based on the  
Marxan Spatial Optimization and  
Decision Support Tool


*This analysis was conducted to evaluate  
parameters and performance of the Marxan  
Optimization Model in representation of  
brown and black bear habitat values.*


\*(Yakutat, Glacier Bay and Chilkat  
provinces are not shown)


Frequency of selection using the  
Marxan Spatial Optimization Tool  
provides an index to the relative value  
of sites in meeting quantitative goals  
for the representation of bear habitat  
in an efficient conservation system.

**Relative Biological Value**

*(index of irreplaceability)*

Very High Value   
(>90%)

High Value   
(50% - 90%)

Moderate Value   
(10% - 50%)

