

**Hebo Stewardship Group
Summer 2012 Project:
Bear Creek
Habitat Enhancement**



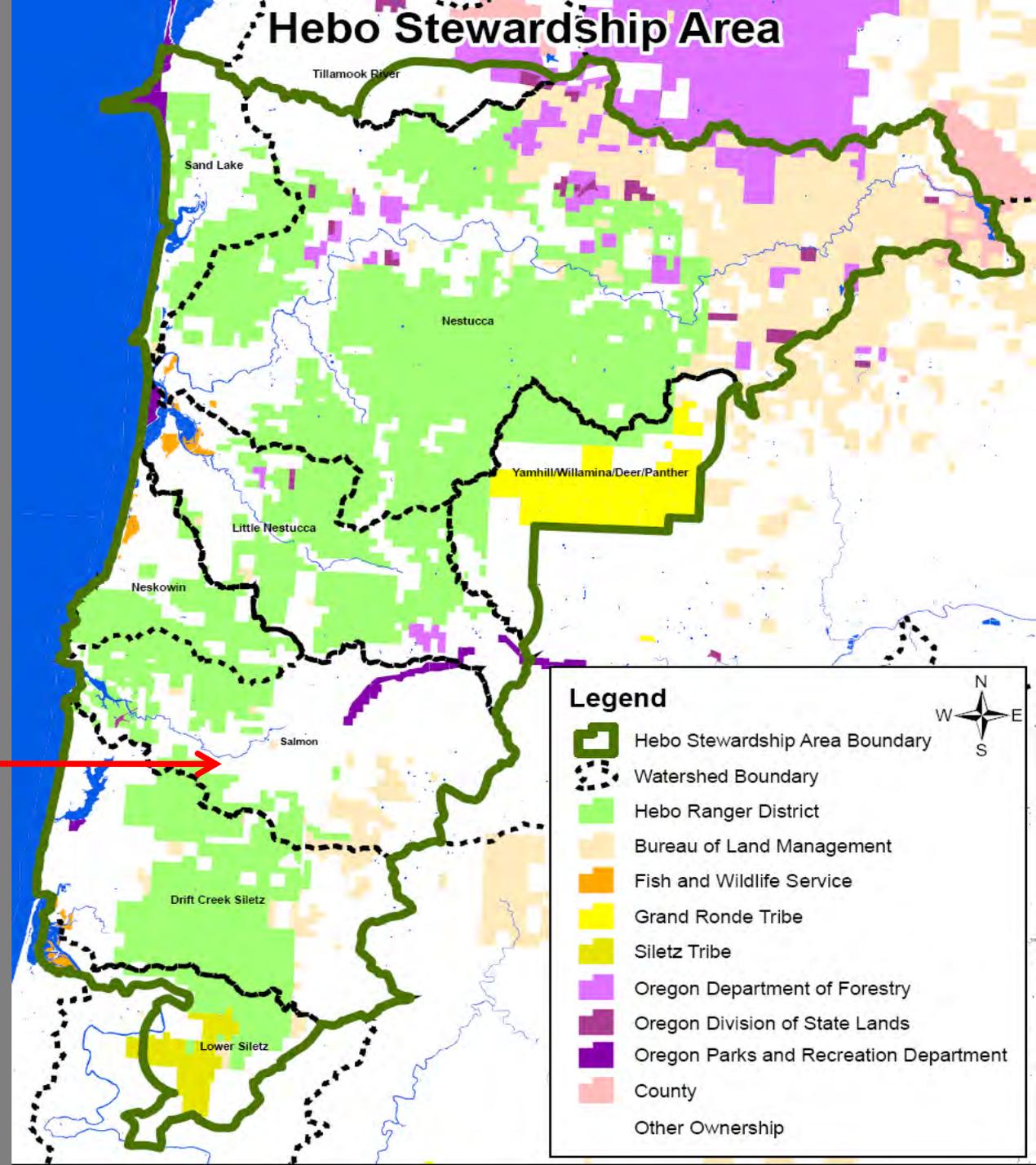
**Salmon Drift Creek
Watershed Council**



Bear Creek

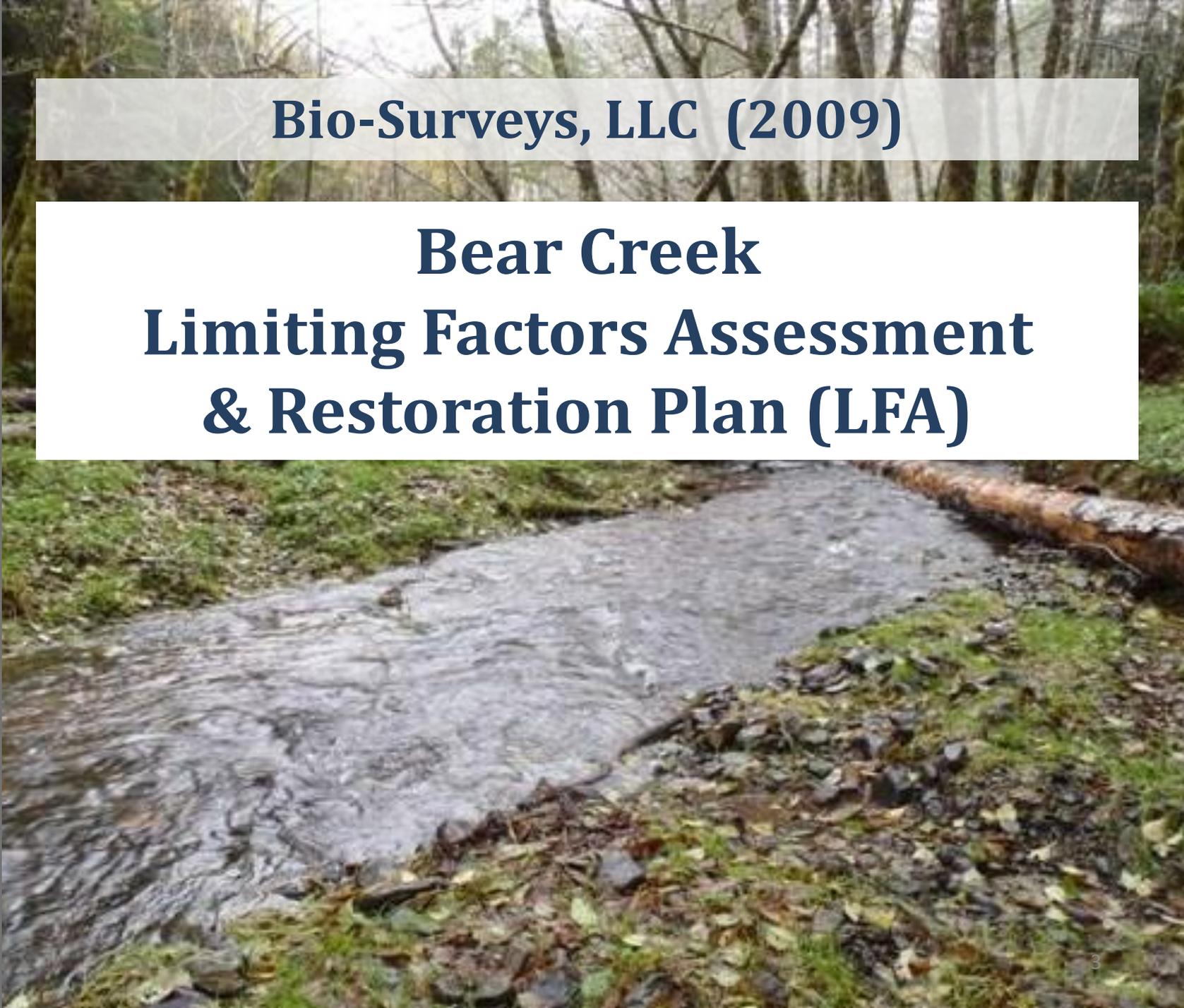
123 ° 52' 34" W, 44 ° 59' 15" N

Projects located on non-National Forest lands funded through Wyden Authority must provide resource benefits to National Forest System Lands.



Bio-Surveys, LLC (2009)

**Bear Creek
Limiting Factors Assessment
& Restoration Plan (LFA)**



Bear Creek LFA

Goal:

“[T]o identify the dominant processes and habitat characteristics that currently limit the production of Coho salmon smolts in the subbasin, and to develop a prioritized list of actions (“prescriptions”) for removing the limitations in ways that normalize landscape and stream channel function.”

Bear Creek LFA

Primary Finding of Concern:

Lack of deep pool habitat

Caused by:

- Decline in beaver populations**
- Past logging practices**

Resulting in:

- an increase in runoff and sedimentation**
- decrease in natural large woody debris in the stream**

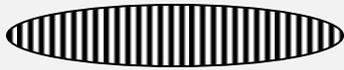
Bear Creek LFA

Priority Prescriptions:

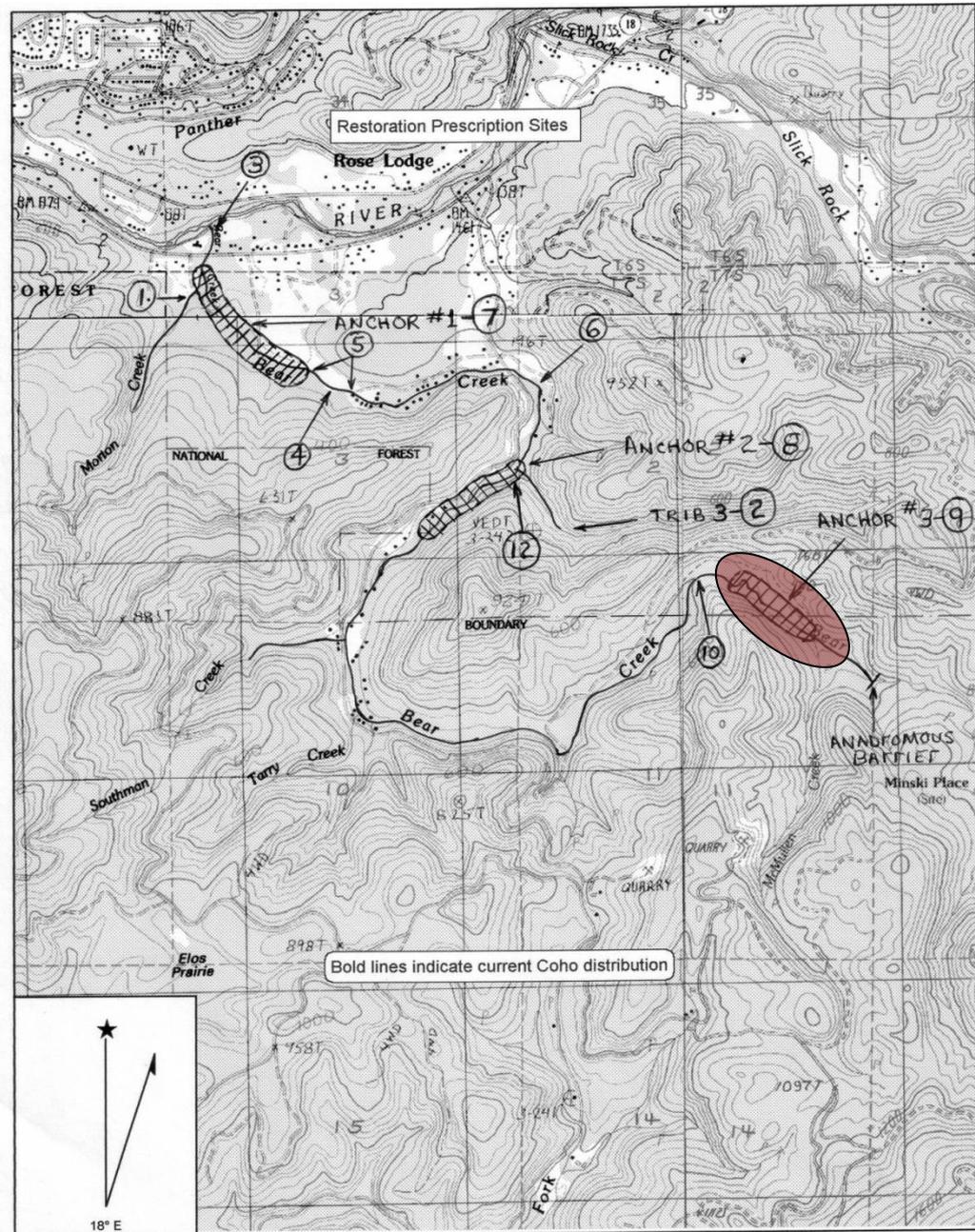
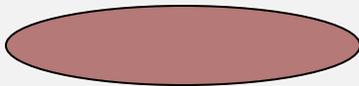
- **Add LWD to boost summer pool frequency, encourage floodplain interaction and trap mobile gravel resources for spawning**
- **Conduct riparian planting to increase plant species diversity, improve summer temperatures of the riparian air shed, and provide a long term source of large wood**

Bear Creek

Large Wood Placement Prescription Locations



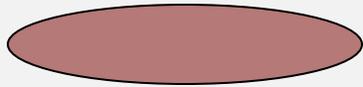
Large Wood Placement (Completed 2010)



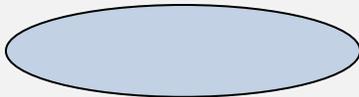


Bear Creek

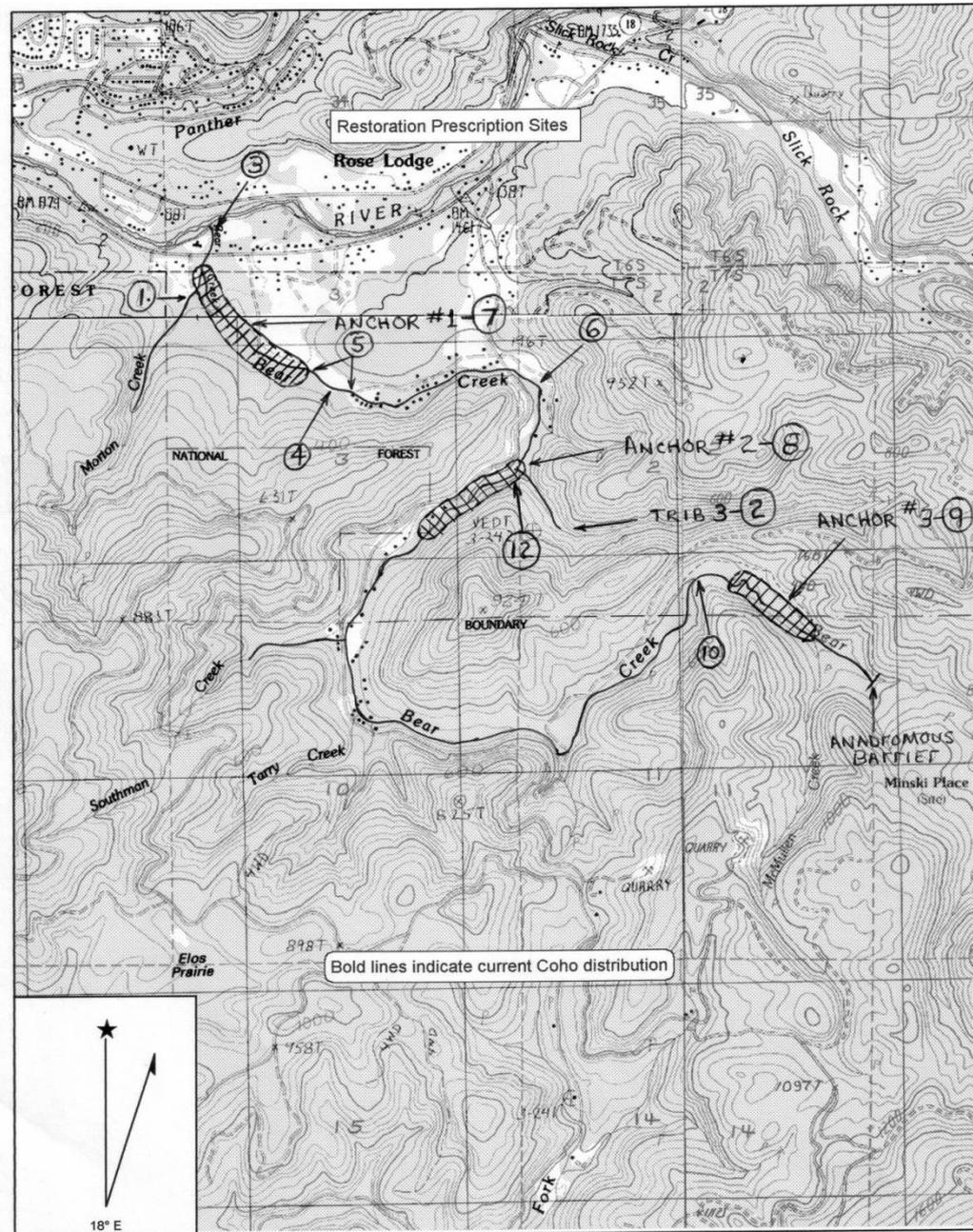
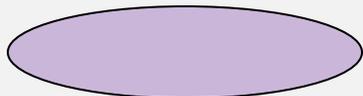
Large Wood Placement
(Completed 2010)



Proposed
Habitat Enhancement
(HSG Summer 2012)



Future Habitat
Enhancement Project



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Bear Creek

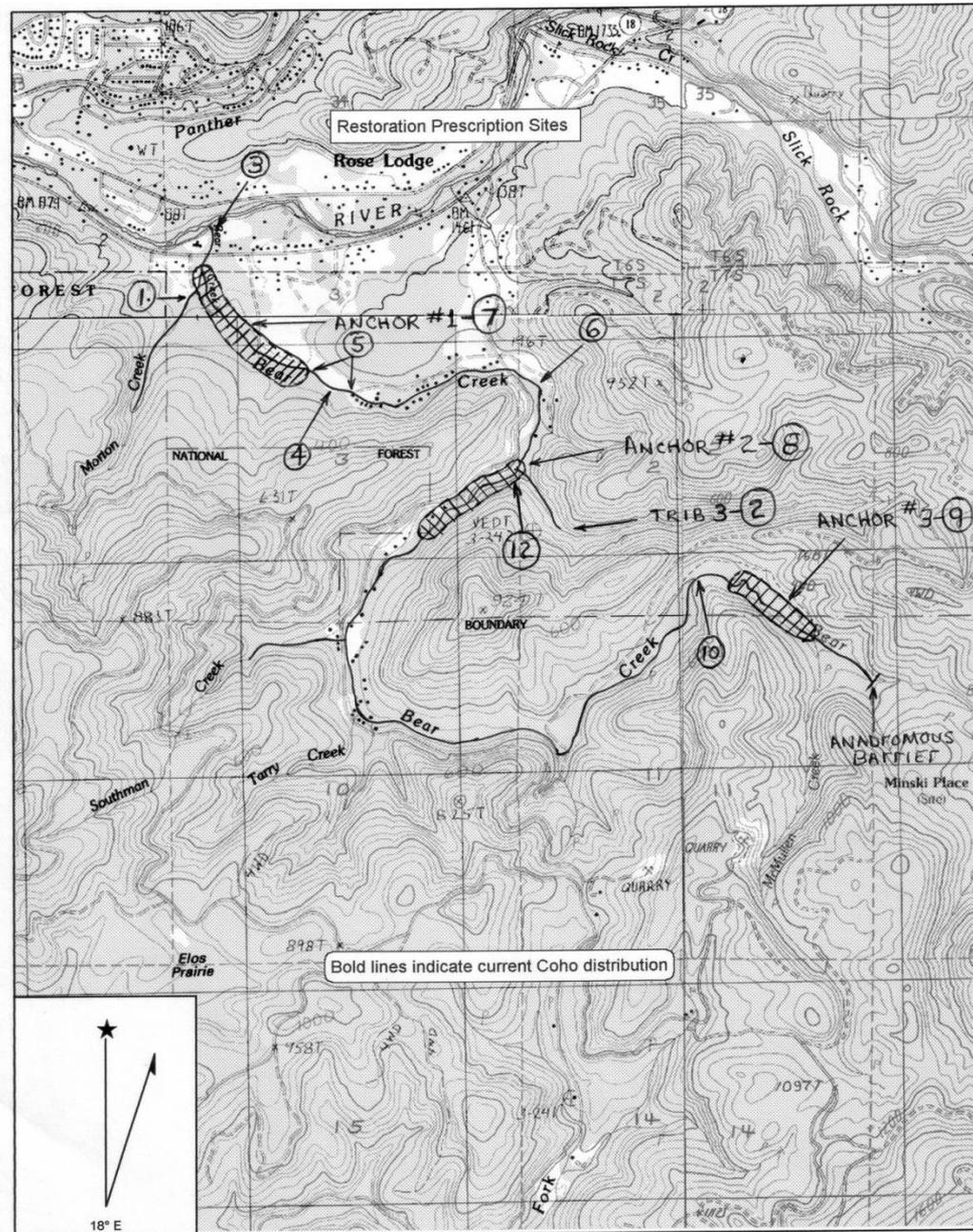
Siuslaw NF

Proposed Morton Thin



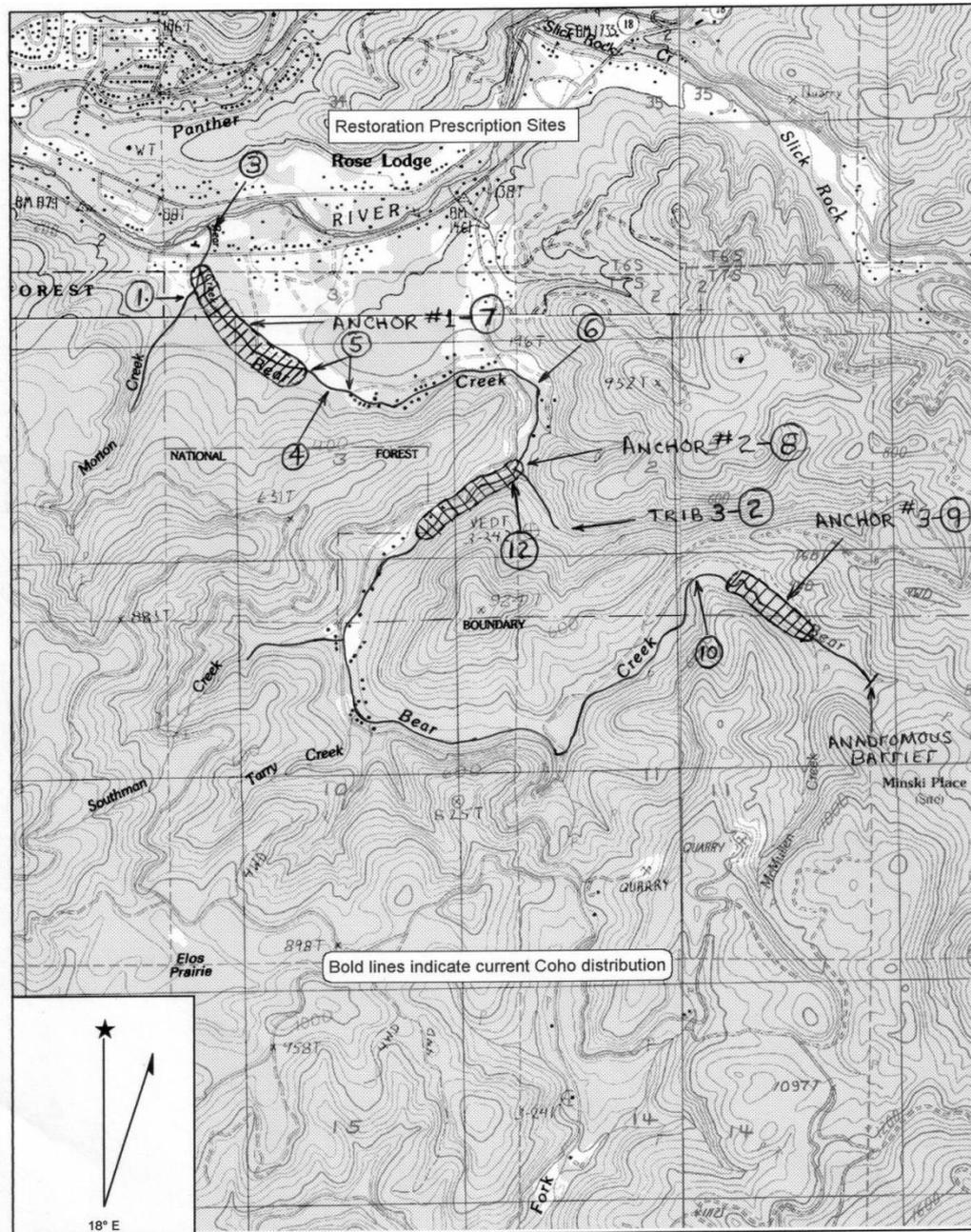
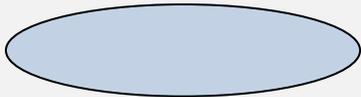
Siuslaw NF

Proposed Minski Thin



Bear Creek

Proposed Habitat Enhancement (HSG Summer 2012)



A photograph of a stream flowing through a forest. In the foreground, a large, moss-covered log lies across the water. The water is clear and flows over rocks. The background is filled with trees and greenery.

Project Components:

Large Wood Placement

Invasive Species Removal

Riparian Planting

Outreach

Monitoring



Budget:

**Landowner Match = \$4,700
(trees & monitoring)**

**USFS Match = \$7,200
(trees & technical assistance)**

**ODFW Match = \$1,500
(technical assistance)**

**SDCWC Match = \$665
(project support)**

Stewardship: \$23,890

Total: \$37,955

Questions?



**Salmon Drift Creek
Watershed Council**