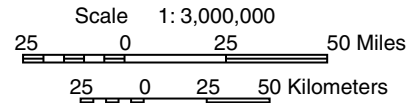


BIOMASS ENERGY PROJECTS

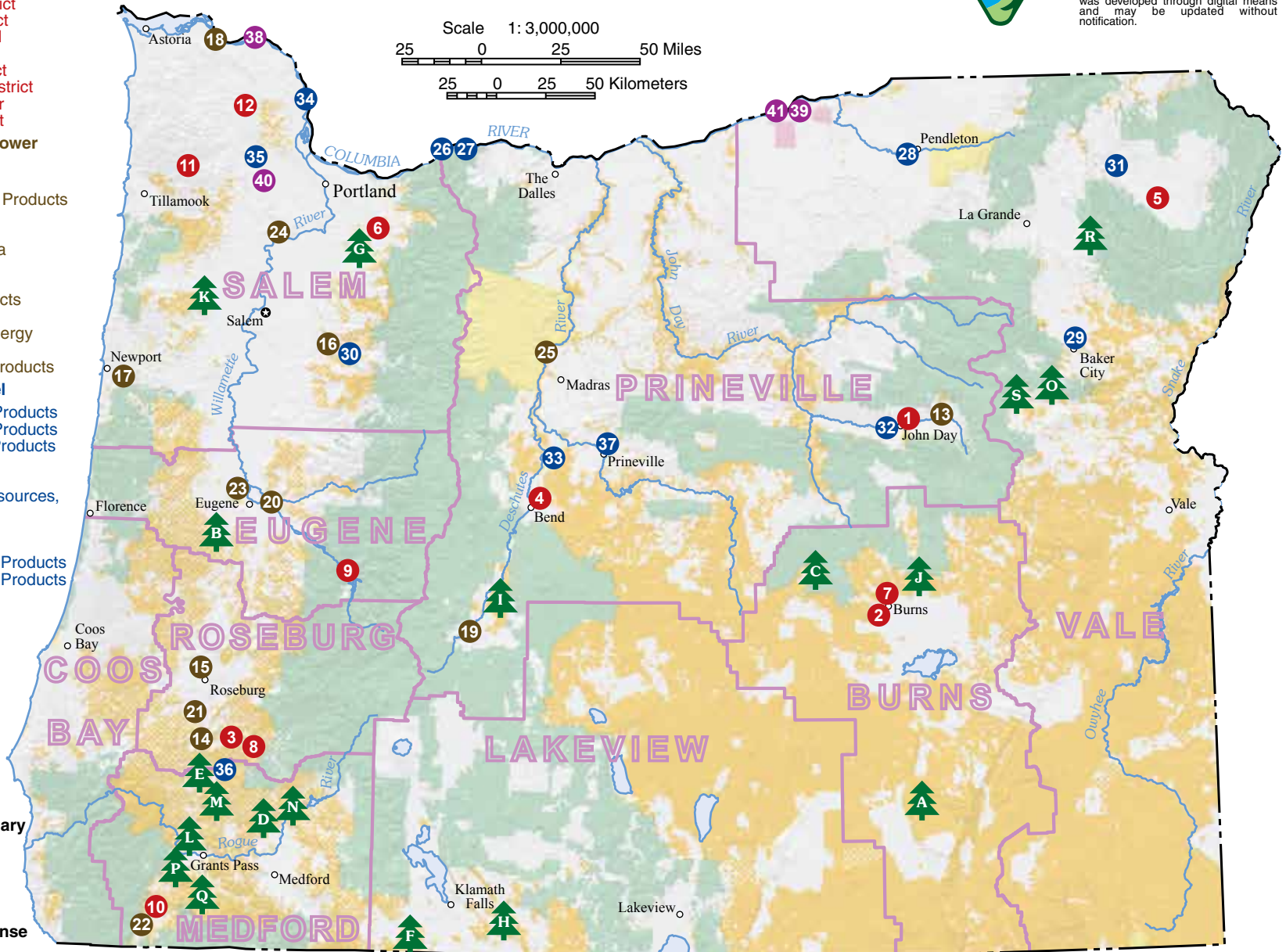
Oregon, January 2013



No warranty is made by the Bureau of Land Management as to the accuracy, reliability, or completeness of these data for individual or aggregate use with other data. Original data were compiled from various sources. This information may not meet National Map Accuracy Standards. This product was developed through digital means and may be updated without notification.



- **Biomass Thermal**
- 1. Blue Mountain Hospital
- 2. Burns High School
- 3. Days Creek Charter School
- 4. Deschutes National Forest Headquarters
- 5. Enterprise School District
- 6. Estacada School District
- 7. Harney District Hospital
- 8. Milo Academy
- 9. Oakridge School District
- 10. Three Rivers School District
- 11. Tillamook Forest Center
- 12. Vernonia School District
- **Combined Heat and Power**
- 13. CoGen Co
- 14. CoGen Co 2
- 15. Douglas County Forest Products
- 16. Evergreen Biopower
- 17. Georgia Pacific Toledo
- 18. Georgia Pacific - Wauna
- 19. Interfore Pacific
- 20. IP Springfield
- 21. Roseburg Forest Products
- 22. Rough & Ready
- 23. Seneca Sustainable Energy
- 24. Sp Newsprint
- 25. Warm Springs Forest Products
- **Engineered Wood Fuel**
- 26. Bear Mountain Forest Products
- 27. Bear Mountain Forest Products
- 28. Blue Mountain Forest Products
- 29. Elkhorn Biomass
- 30. Frank Lumber
- 31. Integrated Biomass Resources, LLC
- 32. Malheur Lumber
- 33. Pacific Pellet, LLC
- 34. Western Oregon Wood Products
- 35. Western Oregon Wood Products
- 36. Western Oregon Wood Products
- 37. Woodgrain
- **Ethanol Production**
- 38. Cascade Pacific Bio-Refinery
- 39. Pacific Ethanol Inc.
- 40. Summit Natural Energy Inc.
- 41. ZeaChem
- **BLM Stewardship Project***
- BLM District Boundary**
- BLM Administered Land**
- USFS Administered Land**
- Department of Defense**
- Indian Reservation**



*Details on reverse



CURRENT BLM STEWARDSHIP PROJECTS

Identifier	Project Name	Acres	Biomass Removed (Green Tons)
A	Blitzen	10,000	50,000
B	Chinook Stew	2,000	2,500
C	Claw Creek	901	5,800
D	Evans Stew	1,124	860
E	Fortune Branch	5	445
F	Gerber Stew	10,000	41,300
G	Horning Roguing	83	110
H	Klamath Stew	5,000	47,500
I	La Pine	10,000	6,160
J	Mill Creek	450	6,410
K	Mill Creek 001	22	245
L	North Stew	4,000	820
M	Progeny Stew	45	645
N	Ranch Stew	1,500	27,765
O	Rattlesnake Forest Health	550	1,950
P	South Stew	2,300	2,770
Q	Two Bit Stew	5,000	2,030
R	Upper Cove	250	1,960
S	Woodtick Village	250	200

Stewardship Contracts

- Woody biomass is typically created as a byproduct of forest restoration and hazardous fuels reduction projects.
- The BLM sells most of its woody biomass under stewardship contracts which allow for best value, long-term contracts.
- Stewardship contracting allows the BLM to remove small trees and other biomass to meet forest health goals.

Biomass Utilization

- In 2012, BLM sold over 75,000 green tons of woody biomass.
- Biomass utilization supports the forest products industry that we rely on to restore forests.
- Markets for woody biomass like chips and wood pellets add jobs to local economies and provide sources for affordable, local renewable energy.

Biomass Thermal

- Heating or cooling with biomass (i.e. thermal) is a priority for the State of Oregon and BLM.
- In 2012, the BLM installed their first biomass boiler to heat five buildings at the Wildwood recreation site.
- Currently, we're reviewing BLM-owned facilities to identify opportunities to install a biomass system and reap energy savings.