

Pre-Operations Report

Operation Name: Dean Mountain Lookout
County: Douglas
Management Basin: 4

Table 1. Operation Areas, Types and Acres

Area	Type of Operation	Gross Acres	Net Acres
1	Clearcut	39	37
Total		39	37

I. PHYSICAL DESCRIPTION OF OPERATION AREA:

This timber sale is located in the southern end of the Coast Range in the Scholfield Creek watershed and is within the Elliott State Forest Management Basin 4. This timber sale area is in close proximity to the Pacific Ocean, which has a dominant influence on the climate. The average annual rainfall is between 80-85 inches. Temperatures range from 25-90 degrees Fahrenheit throughout the year. This timber sale has an elevation of 1100 to 1800 feet above sea level with slopes ranging from 55 percent to over 70 percent. The timber sale area is dominantly a northern aspect with some west and east faces. Eocene sedimentary rocks underlie the area. Soil types consist of Preacher-Bohannon loams with some Milbury-Bohannon-Umpcoos associations. Slopes in all units are generally steep with some gentler terrain and benches on the ridges.

II. CURRENT STAND CONDITION:

The timber sale is third-growth Douglas-fir planted after a 1973 clearcut harvest. It is composed of 33 year-old Douglas-fir with a minor component of red alder and scattered understory hemlock trees. Table 2 contains stocking, size and age information for all the areas in this timber sale. There are a few hard snags in the stand.

Table 2. Stand Inventory Information

Area	Prescription	Stand ID ¹	Species	Age in 2006	DBH	BA	TPA	SDI	Acres ²
1	CC	532	DF	33	11	138	213	42	37
	Target ³		DF		12	3	3	1	37

1. The Stand ID data source is (SLI) current records.

2. The acres are based on GIS, and exclude interior roads, streams buffers, reserve areas, etc.

3. The Target identifies expected stand characteristics (DBH, BA, TPA and SDI) after harvesting has been completed.

III. DESIRED FUTURE CONDITION:

The desired condition is a young age class stand to provide early successional habitat in accordance with the Balanced Landscape strategy of the Elliott State Forest Management Plan. It will be composed of Douglas-fir with a smaller component of other conifer species including hemlock and red cedar. Red alder will also naturally regenerate in the stand. Green trees retained during this operation will provide for multi-story stand structures valuable for wildlife. This mix of planted and natural regeneration will comprise the next planned rotation.

Table 3. Stand Structure Information (Does not apply Elliott State Forest)¹

IV. PROPOSED MANAGEMENT PRESCRIPTION:

The prescription for this sale is to harvest most of the overstory, leaving standing trees within buffer areas and scattered in selected locations in or along the edge of the sale unit.

Site Preparation and Planting - Site preparation will be achieved by yarding disturbance and treating residual brush with herbicide prior to planting. The site will be planted with conifer seedlings at approximately 400-500 trees per acre.

Green Tree Retention - A minimum of about 215 trees (about 5.5 per acre including snag recruitment) will be left in or adjacent to the timber sale area. Emphasis will be given to retention of conifer species other than Douglas-fir. Single green trees will not be left unless localized soil conditions provide for wind firmness and logging conditions are suitable. The location of retained trees will be determined during the sale prep process. Emphasis may be given to widening riparian management areas.

Snag Retention and Creation - This sale is categorized as a young stand timber sale and has very little to no existing snag component, therefore the Green Tree Retention requirements have been increased from 3 trees per acre to 5.5 trees per acre. Snag creation will not be conducted on this sale due to the size and age of the residual timber. This deviation in snag creation from the HCP is documented in a May 25, 2006 correspondence with the United States Fish and Wildlife Service.

Down Log Retention - At least 117 logs (3 logs per acre harvested) will be left in or adjacent to the timber sale area for habitat purposes in accordance with the Elliott State Forest Management Plan. Down logs shall meet the following minimum specifications: 16 feet in length and 12 inches diameter at the large end.

V. ESTIMATED TIMBER AND REVENUE OUTPUTS:

Table 4. Timber and Revenue

Ownership		Sale Type	
BOF	CSL	Cash	Recovery
0%	100%		X
Planned Quarter:		alternate	

	Conifer	Hardwood	Total
Net Volume (MBF)	740	12	399
Stumpage Value (\$/MBF)	320	150	
Estimated Gross Value	236,800	1,800	238,600
		Project Costs:	11,000
		Estimated Net Value:	227,600

VI. HARVESTING AND ACCESS CONSIDERATONS:

All legal access to the sale is obtained and there are no property lines needing to be surveyed. Access to portions of the timber sale area will be from the 5050 and 2650 roads. Winter harvesting will require purchaser supplied rock. If new landings and short access spurs are constructed in the timber sale area, final locations will be determined during the sale preparation process. The rocked collector spurs are in good shape and will require only maintenance or minor improvement. Dirt segments of the 5050 road will be examined during the timber sale preparation process for maintenance and determination if pullback of side cast is necessary. Unnumbered dirt spurs in Area 1 will be evaluated for vacating and for the need for any sidecast pull back since all of these roads were built prior to full containment construction requirements. Final stockpile requirements will be determined during the timber sale preparation process.

The sale areas will be cable yarded up hill. Full suspension will be required over stream channels and single end suspension on the remainder of the sale area. Trees will be felled parallel or away from the residual trees and Riparian Management Areas.

Table 5. Transportation Management Summary (Miles).

Activity	Mainline	Collector	Rocked Spur	Dirt Spur
Construct	0.0	0.0	0.0	0.0
Improve	0.0	0.0	0.2	0.9
Maintain	0.0	0.0	0.2	0.9
Close/Block	0.0	0.0	0.2	0.9
Vacate	0.0	0.0	0.0	0.0

VII. AQUATIC RESOURCES AND WATER QUALITY:

The sale area is located within the Scholfield Creek watershed. Streams associated with this sale were surveyed to ODFW protocol in 2006 for fish presence. All drainages associated with the sale area have been field surveyed during the 2006 summer low flow period to determine the stream channel extent and whether streamflow is perennial or seasonal. The timber sale area is adjacent to a small Type N perennial stream (Scholfield Creek). There are four small Type N perennial streams and three seasonal potential debris flow track streams that are within the sale that drain into Scholfield Creek.

There are no known water rights within or downstream of the proposed operation.

VIII. WILDLIFE AND T&E SPECIES CONSIDERATIONS:

The habitat within this sale area was determined to be non-suitable for certain threatened and endangered species. This sale is planned under the standards of the Elliott State Forest Management and Habitat Conservation Plans and other Oregon Department of Forestry (ODF) policy. The specific measures are as follows:

NSO Habitat Retention – This timber sale does not involve the harvest of NSO nesting, roosting, and foraging habitat. Fifty percent of this basin (2517 acres) must provide dispersal habitat. After this sale plan, there will be about 3015 acres of dispersal habitat retained.

Marbled Murrelet – This sale does not contain marbled murrelet habitat but is within 330 feet of suitable habitat. There are no Marbled Murrelet Management Areas within 330 feet or one-quarter mile of the sale. ODF's Southern Oregon Area Biologist will prepare a murrelet survey waiver and determine the application of seasonal restrictions during sale layout to comply with ODF's policies for the marbled murrelet.

Bald Eagle, Other – There are no known bald eagle nest sites or other listed animal species within this sale.

Salmon and Steelhead – The timber sale is in the headwaters of Scholfield Creek, which is a fish bearing approximately 4000 feet downstream from the timber sale boundary.

Plants - The sale area was checked against district knowledge for any listed plant location. The sale area was also checked against the Oregon Natural Heritage Program (ONHP) database of known listed plant locations. No listed plant records were identified within the sale area.

Fragmentation - This sale area consist of a young stand and harvesting will not

increase fragmentation of interior mature forest habitat.

IX. SLOPE STABILITY AND GEOTECHNICAL ISSUES:

This sale area has had an office review by an ODF geo-technical specialist. A closer examination will be made during the sale layout process to determine if other site specific protection measures will be necessary. Generally, portions of the slopes appear to meet criteria for classification as high landslide hazard locations (in the Tye Core Area uniform slopes greater than 75% and/or planform concave slopes greater than 65%).

Scholfield headwater streams in the east portion of the unit appear to have debris torrent deliverability to the mainstem. Streams in the west portion of the unit have sharp tributary junction angles, debris torrents are likely to deposit at the tributary junction; however a large debris flow may travel further. The western most tributary is likely to deliver beyond the channel junction. Regardless of the channel junction angle, wood is likely to be delivered to the mainstem and carried downstream to the type F reach during high flows, either by direct delivery via debris flow or mobilization of debris flow delivered wood.

To minimize yarding impacts on the slopes, single end suspension cable yarding will be required. Roads will be located on ridge-crests as much as possible and any steep sidehill portions will be constructed with full bench end-haul design and construction. Construction will be done during the dry season.

X. RECREATION RESOURCES:

The most common recreation for this area is hunting and dispersed undeveloped recreation. Harvesting of these units will provide forage area to help promote healthy deer and elk populations. In addition, areas of bare soil around road edges and landings will be grass seeded after logging to provide forage. Surrounding forest types provide escape cover. No conflict is seen with respect to the undeveloped, dispersed recreation usage of the forest.

XI. CULTURAL RESOURCES:

There are no cultural sites associated with this sale.

XII. SCENIC RESOURCES:

The units are not within any scenic management areas.

XIII. OTHER RESOURCE CONSIDERATIONS:

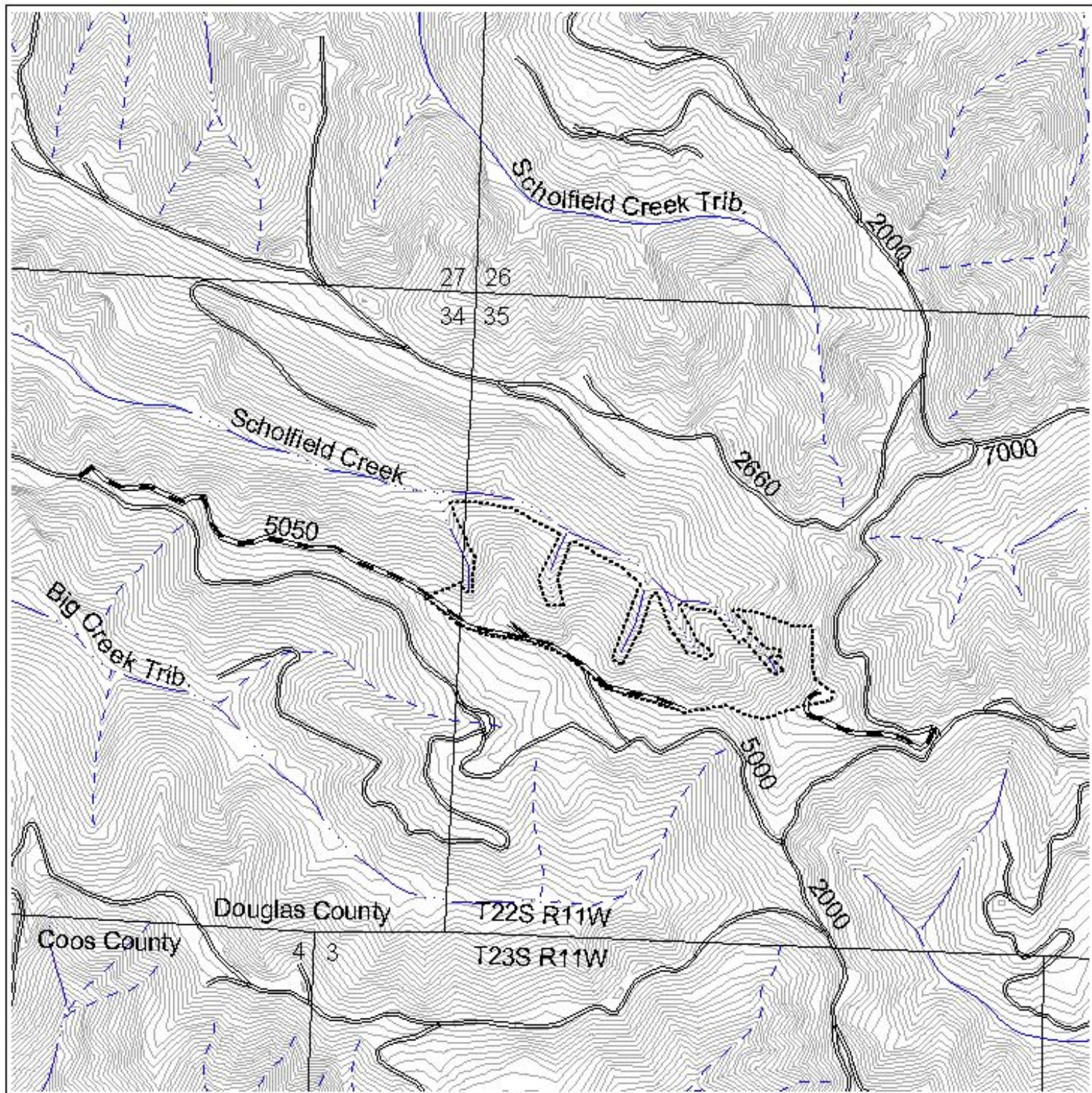
There are no other known resource considerations associated with this sale.

XIV. LAND MANAGEMENT CLASSIFICATION SUMMARY:

Table 6. Land Use Classification Summary

Area	Production	Service Use Government
1	36	1

This table summarizes the acres in each land use class within the operation.



Dean Mountain Lookout Timber Sale
-- Topography --
FY 08 Sale Plan
Coos District

Portions of Section 34 and 35
 T22S, R11W, W.M.
 Douglas County, Oregon

Approximately 37 Acres

- Timber Sale Boundary
- Type F Streams
- Type N Perennial Streams
- Type N Seasonal Streams
- Unclassified Streams
- Road Improvement
- Existing Roads
- 20 foot contour
- Section Lines



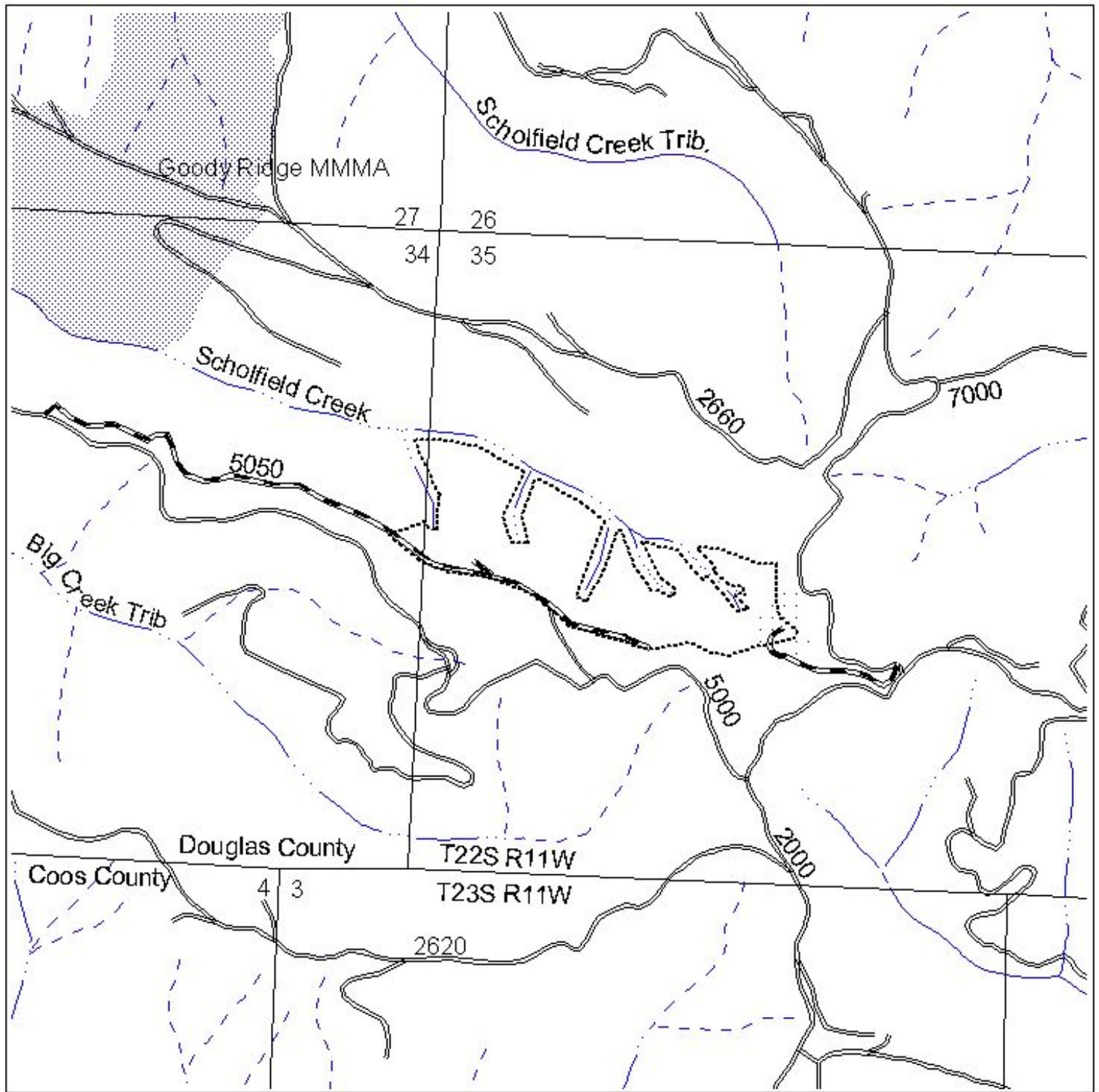
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1"=1000'

Coos District GIS
 09/01/06

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**Dean Mountain Lookout Timber Sale
-- Key Resources --
FY 08 Sale Plan
Coos District**

Portions of Section 34 and 35
T22S, R11W, W.M.
Douglas County, Oregon

Approximately 37 Acres

-  Timber Sale Boundary
-  Type F Stream
-  Type N Perennial Stream
-  Type N Seasonal Stream
-  Unclassified Stream
-  Road Improvement
-  Existing Roads
-  Section Lines
-  Marbled Murrelet Management Area
-  Special Land Use: Service Use Government



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1"=1000'

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