

Allotment Overview Lane Individual # 524

Allotment Boundary: See attached map

7.5 Minute Topographic Quads: Priday Reservoir, OR and Crump Lake, OR

AUM's of Authorized Use: 65

Permitted Season of Use: Spring, Summer, Fall

Grazing System: Season Long

Land Status: BLM-2, 662 Acres Private-563 Acres
(see attached map)

The Lane Individual Allotment is located approximately 23 miles Northeast of Lakeview, OR. (see attached map) The allotment is categorized as a C allotment, custodial. Basis for this rating, completed in 1982 is as follows:

Range Condition not a factor, fenced with private land, most inaccessible.

Forage production potential was low and present production was near potential. Rated at 41.5 acres/aum.

Limited resource use conflicts existed.

There was no development proposed.

The only logical practice was to manage as a C category allotment, fenced federal Range.

Ecological Site Inventory Data

Complete classification data is not available for the entire allotment. The acres not classified represent private lands within the allotment, inclusions within a vegetation community too small to be mapped or transition zones and rocky outcrops. Maps are attached that show Observed Apparent Trend (OAT), Soil Surface Factor (SSF) and Ecological Status.

Standard I – Upland Watershed – Upland soils exhibit infiltration and permeability rates, moisture storage and stability that are appropriate to soil, climate and landform.

This standard is being met on the Lane Individual Allotment.

The indicators used to evaluate this standard are Soil Surface Factor (SSF), a method of recording observations used as an indicator of accelerated erosion, plant community composition, which indicates the root capacity of the soil profile, grazing management, Observed Apparent Trend (OAT) and grazing management. Existing vegetation monitoring is not available.

Nineteen percent of the allotment had a SSF rating of slight (Table 1). Plant composition data shows desirable grasses, forbs and shrubs to have moderate vigor on the most of classified land. A large portion of the composition includes perennial vegetation and effective ground cover is present. Trend is upward for 10% of the allotment; static trend for 19% of the allotment and 71% was not given an OAT rating (Table 1) because transects were not completed in those areas. The upper third of the allotment is extremely steep with rock bluffs and cliffs. The middle portion of the allotment is extremely steep with very limited livestock use. Observed plant composition in this area would rate in the late seral stage with static trend. Currently, the allotment is categorized as custodial. Sixty-five AUM's are permitted between 4/01 and 9/28, however water availability limits most use to the spring. Much of the allotment is inaccessible to livestock and use on BLM land occurs adjacent to private lands.

Table 1. SSF and OAT ratings compiled through use of ESI data.

Erosion Control Class (SSF)	Observed Apparent Trend (OAT)							
	Upward		Static		Unknown		Total	
	Allotment Acres	Allotment %	Allotment Acres	Allotment %	Allotment Acres	Allotment %	Allotment Acres	Allotment %
Slight	0	0	615	19%	0	0	615	19%
Stable	270	9%	30	<1%	0	0	300	10%
Moderate	7	<1%	0	0	0	0	7	<1%
Unknown	0	0	0	0	2303	71%	2303	71%
Total	277	10%	645	19%	2303	71%	3225	100%

Standard II- Riparian/Wetland Areas- Riparian-wetland areas are in properly functioning physical condition appropriate to soil, climate and landform.

This standard is being met on the Lane Individual Allotment.

A Lotic PFC site inventory was completed in June 20, 2002. The 28 acres of wetlands occurring in the allotment are in Proper Functioning Condition (PFC) and livestock grazing does not appear to be negatively impacting them.

Standard III- Ecological Processes - Healthy, productive and diverse plant and animal populations and communities appropriate to soil, climate and landform are supported by ecological processes of nutrient cycling, energy flow and the hydrologic cycle.

This standard is being met on the Lane Individual Allotment.

Indicators used to evaluate this standard include the vegetative composition, ecological status, OAT, current plant composition as compared to a defined Potential Natural Community (PNC) for the defined soil type and precipitation zone. Current plant composition is compared to a defined Potential Natural Community (PNC) for the identified soil type and precipitation zone.

Using the 1987-1988 ESI data to determine ecological status, the percent of the allotment in each seral stage is summarized in Table 2. The seral stage for much of the allotment is unknown or not applicable (in the case of rockland and water). A large portion of the composition includes perennial vegetation and effective ground cover is present. During a field tour of the allotment it was noted that the upper $\frac{3}{4}$ of the area at higher elevations is in good ecological health and contains a variety of bunch grasses. Some undesirable species do exist in the allotment, including *Bromus tectorum* (cheatgrass), which makes up the dominant understory in some areas

The lower areas may be used as graze while trailing and may be grazed in spring while annual forage is palatable. A portion of the allotment that receives the greatest pressure from grazing, and is mostly private, has been classified in an upward OAT. Much of the area not given an OAT rating is rockland, private land and transition zones. Species identified as occurring at the PNC are part of the current composition (Table 2). Dominant vegetation data is not available for the majority of the allotment, which consists of steep, rocky cliffs and bluffs where livestock use is limited or non-existent. The playas appear to be in good health with large populations of *Muhlenbergia* spp. and few open, bare spaces. The recent field tour of the allotment also led to the conclusion that stocking levels appear to be compatible to the ecological health and diversity.

The allotment supports current and proposed number of mule deer and pronghorn antelope identified by the Oregon Department of Fish and Wildlife (ODFW) in their mule deer and pronghorn management plans.

Scotch thistle is present and is being treated. Mediterranean sage and Russian knapweed occur in the area and could move into the allotment.

Table 2. Current plant composition compared with PNC composition.

Seral Stage	Percent Comparability to PNC	Acres of Allotment	Percent of land in Allotment
Early	0-25%	7	1%
Mid	26-50%	915	28%
Late	51-75%	0	0%
Unknown*	N/A	2303	71%

* Transects were not completed in the steep rocky areas which make up the majority of this allotment.

Table 3. Current plant composition compared with PNC composition.

Range Site	ESI Dominant Vegetation	PNC Dominant Vegetation	Acres	% of Allotment
Loamy 10-2"	<i>Artemisia tridentata</i> var <i>wyomingensis</i> and <i>Agropyron spicatum</i>	<i>Artemisia tridentata</i> var <i>wyomingensis</i> and <i>Stipa thurberiana</i>	787	24%
Loamy 12-16"	<i>Artemisia tridentata</i> var <i>vaseyana</i> , <i>Cerocarpus ledifolius</i> and <i>Poa</i> spp.	<i>Artemisia tridentata</i> var <i>vaseyana</i> and <i>Festuca idahoensis</i>	2	0.05%
South Slope 8-12"	<i>Poa secunda</i> and <i>Artemisia tridentata</i> var <i>wyomingensis</i>	<i>Artemisia tridentata</i> var <i>wyomingensis</i> and <i>Agropyron spicatum</i>	541	17%
	<i>Agropyron spicatum</i> and <i>Artemisia tridentata</i> var <i>wyomingensis</i>		14	0.44%
South Slope 12-16"	<i>Artemisia tridentata</i> var <i>vaseyana</i> , <i>Jumiperus occidentalis</i> and <i>Sitanion hystrix</i>	<i>Agropyron spicatum</i> and <i>Festuca idahoensis</i> with <i>Artemisia tridentata</i> var <i>vaseyana</i> and <i>Purshia tridentata</i> dominant in the aspects	378	12%
Claypan 12-16"	<i>Artemisia arbuscula</i> and <i>Sitanion hystrix</i>	<i>Festuca idahoensis</i> , <i>Agropyron spicatum</i> and <i>Artemisia arbuscula</i>	16	0.49%

Standard IV- Water Quality- Surface and groundwater quality, influenced by agency actions, complies with State water quality standards.

This standard is being met on the Lane Individual Allotment.

Two wetlands exist on the allotment; both present were similar and ephemeral. Both were rated at PFC. Livestock use is not impacting functional condition of wetlands

Standard V- Native, T&E and locally Important Species- Habitats support healthy, productive and diverse populations and communities of native plants and animals (including special status species and species of local importance) appropriate to soil, climate and landform.

This standard is being met on the Lane Individual Allotment.

During a 2002 survey, a mega population of dwarf lousewort, *Pedicularis centranthera*, was found. This population is in good health. This species is a BLM Bureau Tracking species and has a limited, spotty global distribution, occurring in Lake and Harney counties, OR, and surround areas.

There are 4 known sage grouse leks in the adjacent allotments on top of the rim and occasional sage- grouse use in the Lane Individual Allotment (#524). Peregrine Falcons have also been seen in the area from the hack site on Crump Lake. Livestock grazing does not appear to be limiting wildlife habitat.

Team Members


Title

Martina Keil	Rangeland Management Specialist
Lucile Housley	Botanist
Erin McConnell	Weed Specialist
Vern Stofleth	Wildlife Biologist
Alan Munhall	Fisheries Biologist
Robert Hopper	Supervisory Rangeland Mgt. Spec.
Ken Kestner	Supervisory Natural Resource Spec.

Determination

- Existing grazing management practices or levels of grazing use on the Lane Individual Allotment promote achievement of significant progress toward the Oregon Standards and Guidelines for Rangeland Health and conform with the Guidelines for Livestock Grazing Management

- Existing grazing management practices or levels of grazing use on the Lane Individual Allotment will require modification or change prior to the next grazing season to promote achievement of the Oregon Standards and Guidelines for Rangeland Health and conform with the Guidelines for Livestock Grazing Management




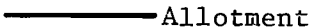




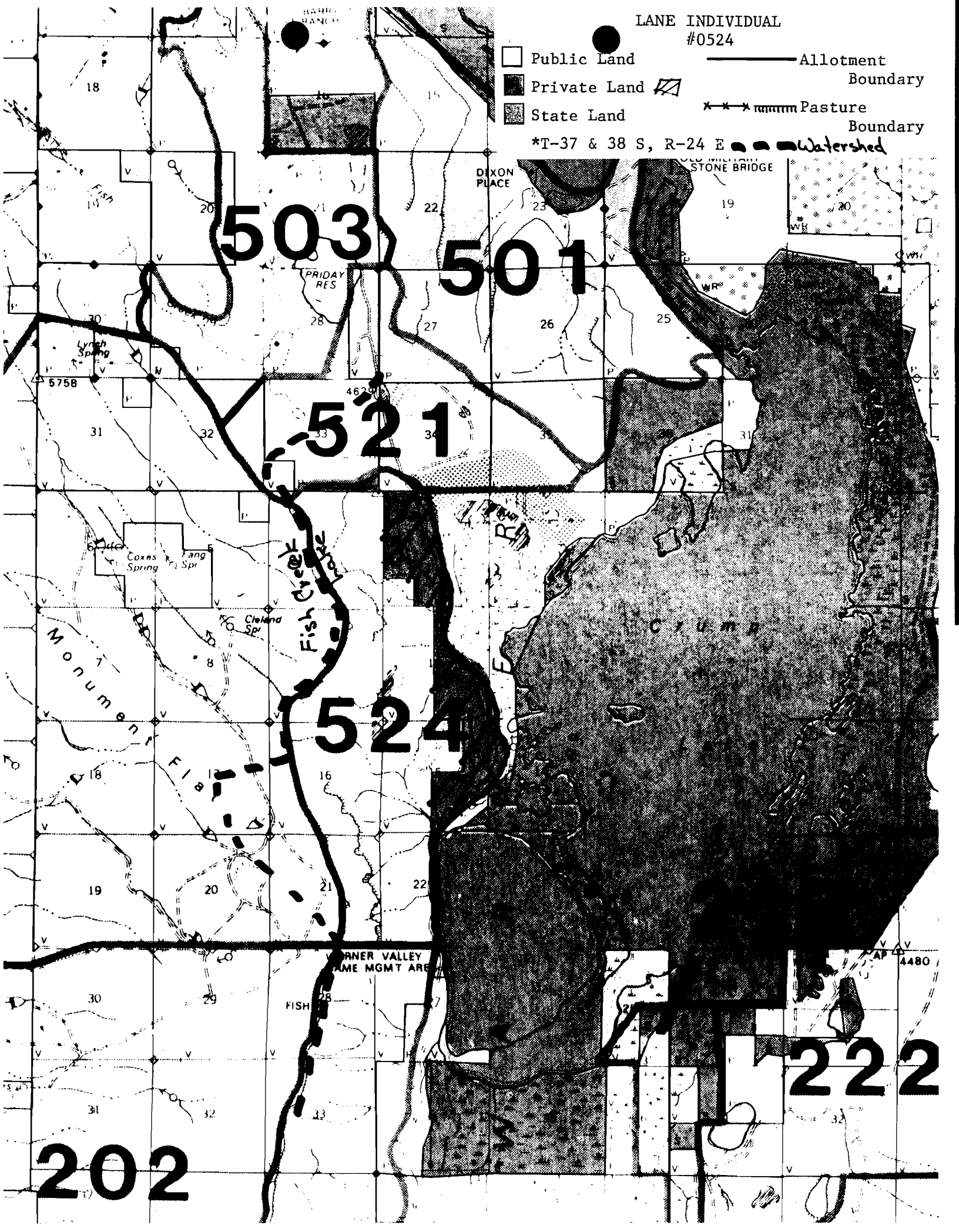
Acting Field Manager, Lakeview Resource Area

9/3/02

Date

LANE INDIVIDUAL
#0524

-  Public Land
-  Private Land
-  State Land
-  Allotment Boundary
-  Pasture Boundary
-  Watershed



503

501

521

524

202

222

CORNER VALLEY
GAME MGMT AREA

FISH

4480

MONUMENT

CRUMP

Fish Creek

Coxs Spring

Cleveland Spr

DIXON PLACE

STONE BRIDGE

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