

**U.S. DEPARTMENT OF INTERIOR
BUREAU OF LAND MANAGEMENT
SALEM DISTRICT**

Categorical Exclusion Review

I. BACKGROUND

BLM Office: Cascades Resource Area

Lease/Serial/Case File No: N/A

Categorical Exclusion Number: DOI-BLM-ORWA-S040-2016-0011-CX

Date: February 9, 2016

Proposed Action Title/Type: 2016 Cascades Young Stand Treatments CX (YST)

Location of Proposed Action: See Tables 2A, 2B, 2C, and Maps 1-20

Land Use Allocation(s): General Forest Management Area (GFMA), Connectivity (CON), Late Successional Reserves (LSR), Riparian Reserves (RR).

II. DESCRIPTION OF THE PROPOSED ACTION The Cascades Resource Area of the Salem District, Bureau of Land Management proposes to implement it's 2016 young stand treatments program including:

Pre-commercial Thinning-Matrix: ITEM 1 14 X 14 spacing or ITEM 2 16 X 16 spacing The proposed project is to thin up to 200 acres of young conifer plantations. All surplus trees will be cut. The primary purpose is to enhance the growth of the stand by providing more growing space for the selected leave trees. Specified spacing varies by individual treatment unit and ranges from 14 feet to 16 feet square. All trees to be cut will be ten inches or less in diameter. Chain saws will be used. There are no ground disturbing activities associated with this action. Cut trees will remain on site.

Pre-commercial Thinning-LSR: ITEM 2 16 X 16 spacing The proposed project is to thin up to 100 acres of young conifer plantations to variable spacing ranging from 8 to 24 feet. The primary purpose is to promote the development of late successional forest conditions. All trees to be cut will be ten inches or less in diameter. Chain saws will be used. There are no ground disturbing activities associated with this action. Cut trees will remain on site.

Pine Pruning Item 10 : Up to 500 acres of sugar pine and white pine will have their branches pruned up to 20 feet in height to prevent the spread of Blister Rust disease.

III. PROJECT DESIGN FEATURES

Pre-commercial Thinning (Matrix and LSR)

1. In stands infected with *Phellinus* root rot, the leave trees will be those species most resistant to the root rot.
2. LSR units will have a 10 foot no cut buffer along any ephemeral and intermittent streams, as well as all wetlands, ponds and standing water. A 20 foot no cut buffer along perennial streams will be left to maintain existing shading and reduce the effects to riparian dependent animals and plants.
3. No fueling will be allowed within 150 feet of any streams and standing water.

4. A no cut buffer or pull back of cut materials will be required on selected units that border well - traveled roads to reduce the potential for fire starts and burn intensity at the road. Buffer and pullback widths will be determined on a unit by unit basis.
5. All Western White Pine, Sugar Pine, Pacific Yew, marked wildlife trees, and hardwoods other than Red Alder and Big Leaf maple will be reserved from cutting and not counted as leave trees. **Big Leaf Maple will be reserved from cutting on the Rocky Road LSR units.**
6. Units will be screened by the resource area wildlife biologist to determine seasonal restrictions to avoid possible noise disturbance to northern spotted owl nesting habitat.
7. Only conifers, red alder and big leaf maple will be cut. All other species will be reserved from cutting to insure that any plant species of concern does not get cut and special habitats are not disturbed.
8. Treatments in the following Sections will have a season restriction for no mechanical treatment from March 1st to July 15th:
 - T. 7 S., R. 3 E., Section 1, 2, and 11

Pine Pruning

1. No Chainsaws are allowed on pruning projects.
2. Ponderosa, White, and Sugar Pine will be pruned.
3. Cut vegetation will be pulled back 10 feet from roads on selected units that border well traveled roads to reduce the potential for fire starts and burn intensity at the road.

IV. LAND USE PLAN CONFORMANCE

Land Use Plan Name: *Salem District Record of Decision and Resource Management Plan (1995 RMP)*

Date Approved: March 1995

Date Amended: January 2001 by the *Record of Decision for Amendments to the Survey and Manage, Protection Buffer, and Other Mitigation Measures Standards and Guidelines*, dated January 2001 (SM/ROD) with subsequent Annual Species Reviews. These actions comply with the SM/ROD as described above and utilize the December 2003 species list. This list incorporates species changes and removals made as a result of the 2001, 2002, and 2003 Annual Species Reviews (ASR) with the exception of the red tree vole. Red tree vole in the mesic zone remains Survey and Manage Category C as defined in the SM/ROD.

The proposed action is in conformance with the LUP even though it is not specifically provided for, because it is clearly consistent with the following LUP decisions (objectives, terms, and conditions): **1995 RMP p. 46**

Manage developing stands on available lands to promote tree survival, and growth, and to achieve a balance between wood volume production, quality of wood, and timber value.

Manage timber stands to reduce the risk of loss from fire, animals, insects, and disease.

The proposed action is specifically mentioned in the **1995 RMP Appendix D Silvicultural Systems, and Harvest Methods page D-1** As a treatment method for GFMA:

“During the first 10 to 15 years after planting, young stands would receive treatments as necessary and as funding allows to promote establishment, survival, and growth by managing competing vegetation, protecting seedlings from severe local site conditions, and preventing excessive animal damage. These treatments would include manual cutting of brush and seedling protection measures such as placement of plastic mesh tubes on seedlings and trapping of rodents.”

1995 RMP p. D4:

“Suitable stands aged 10 to 20 years may receive treatments designed to improve growth, value, and wood quality, when funding is available. These treatments may include release, precommercial thinning and pruning.”

V. COMPLIANCE WITH NEPA

The Proposed Action is categorically excluded from further documentation under the National Environmental Policy Act (NEPA) in accordance with 516 DM 11.9 C (4):

“Pre-commercial thinning and brush control using small mechanical devices”.

Categorical Exclusions: Extraordinary Circumstances Review

Table 1: Categorical Exclusions: Extraordinary Circumstances Review (43 CFR 46.215)		
Will the Proposed Action documented in this Categorical Exclusion:	Yes	No
(a) Have significant impacts on public health or safety?		X
Rationale: The YST will have no impacts on public health or safety therefore would have no significant impacts on public health or safety.		
(b) Have significant impacts on such natural resources and unique geographic characteristics as: historic or cultural resources, park, recreation or refuge lands, wilderness areas, wild or scenic rivers, national natural landmarks, sole or principal drinking water aquifers, prime farmlands, wetlands, floodplains, national monuments, migratory birds, other ecologically significant or critical areas?		X
Rationale: Projects are not located in recreation sites. Units are in the vicinity of recreation corridors, wilderness, wild and scenic rivers, and recreation sites; these actions would not affect recreation or visual resources. The nature of the actions will not cause any significant impacts to known cultural and historic resources in the area.		
(c) Have highly controversial environmental effects or involve unresolved conflicts concerning alternative uses of available resources [NEPA section 102(2)(E)]?		X
Rationale: The effects of YST are not controversial and there are no unresolved conflicts concerning alternative uses of available resources.		
(d) Have highly uncertain and potentially significant environmental effects or involve unique or unknown environmental risks?		X
Rationale: YST actions are not unique or unusual. The BLM has experience implementing similar actions in similar areas without highly controversial, highly uncertain, or unique or unknown risks.		

Table 1: Categorical Exclusions: Extraordinary Circumstances Review (43 CFR 46.215)		
Will the Proposed Action documented in this Categorical Exclusion:	Yes	No
(e) Establish a precedent for future action or represent a decision in principle about future actions with potentially significant environmental effects?		X
Rationale: Implementation of YST does not set a precedent for future actions that may have significant effects, nor does it represent a decision in principle about a future consideration.		
(f) Have a direct relationship to other actions with individually insignificant but cumulatively significant environmental effects?		X
Rationale: There are no cumulative effects associated with YST; therefore there are no significant cumulative effects as a result of these actions.		
(g) Have significant impacts on properties listed or eligible for listing, on the National Register of Historic Places as determined by either the bureau or office?		X
Rationale: There are no listed or eligible properties in the impact area. Unevaluated resources will not be significantly impacted by the proposed actions.		
(h) Have significant impacts on species listed, or proposed to be listed, on the List of Endangered or Threatened Species, or have significant impacts on designated Critical Habitat for these species?		X
Rationale: Due to the habitat, nature and timing of the projects, there would be no adverse effects to T&E species or Critical Habitat. No modification of suitable T&E habitat would occur.		
(i) Violate a Federal law, or a State, local, or tribal law or requirement imposed for the protection of the environment?		X
Rationale: YST follows all Federal, State, or local or Tribal laws or requirements imposed for the protection of the environment.		
(j) Have a disproportionately high and adverse effect on low income or minority populations (Executive Order 12898)?		X
Rationale: The proposed action is not anticipated to have disproportionately high and adverse human health or environmental effects on minority populations and low-income populations.		
(k) Limit access to and ceremonial use of Indian sacred sites on Federal lands by Indian religious practitioners or significantly adversely affect the physical integrity of such sacred sites (Executive Order 13007)?		X
Rationale: No new ground disturbance is anticipated. Past young stand treatments within this area have not resulted in tribal identification of concerns.		
(l) Contribute to the introduction, continued existence, or spread of noxious weeds or non-native invasive species known to occur in the area or actions that may promote the introduction, growth, or expansion of the range of such species (Federal Noxious Weed Control Act and Executive Order 13112)?		X
Rationale: Due to the nature of this project, there is no threat of the introduction or spread of noxious weeds or non-native invasive species.		

This categorical exclusion is appropriate in this situation because there are no extraordinary circumstances potentially having effects that may significantly affect the environment. District personnel have reviewed the proposed action, and none of the 12 extraordinary circumstances described in 43 CFR Part 46, Section 46.215 (see Table 1, above) apply to the proposed action.

VI. Signature:

Specialist Review and Concurrence:

Review Required	Review Not Required	Resource	Name	Comments	Initial/Date
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Aquatic/Fisheries	Bruce Zoellick		BZ 3/21/16
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Botany	Terry Fennell		TF 3-21-16
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Cultural Resources	Fred Greaterox		FG 3/21/16
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Hydrology	Patrick Hawe		PH 3/21/16
<input checked="" type="checkbox"/>	<input type="checkbox"/>	NEPA Compliance	Whitney Wirthlin		WW 3/28/16
<input checked="" type="checkbox"/>	<input type="checkbox"/>	NRSA	Belle Smith		BS 3/28/2016
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Timber Resources	N/A		
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Engineering	N/A		
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Invasive/Non-Native	Heidi Christensen		HC 3-21-16
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Silviculture	Kenny Ruzicka		KR 3-21-16
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Recreation	Traci Meredith		TMM 3/28/16
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Realty	N/A		
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Wildlife	Corbin Murphy		CM 03/28/16
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Fuels and Fire	Chris Papen		CP 3-21-16

Contact Person: For additional information concerning this decision, contact Brent Beckman, Cascades Resource Area silvicultural staff, Cascades Resource Area, 1717 Fabry Road, SE, Salem, Oregon 97306, (503) 315-5930.

Authorized Official:
John Huston
Field Manager, Cascades Resource Area



Date: 3/30/16

**DEPARTMENT OF INTERIOR
BUREAU OF LAND MANAGEMENT
SALEM DISTRICT, CASCADES RESOURCE AREA
Decision Record**

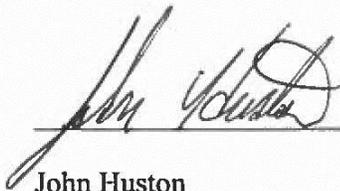
Decision and Rationale on Action

I have decided to implement 2016 Cascades Young Stand Treatments.

I have reviewed the attached categorical exclusion (DOI-BLM-ORWA-S040-2016-0011-CX). The Proposed Action is in conformance with the 1995 RMP. None of the 12 extraordinary circumstances described in 43 CFR Part 46, Section 46.215 (see Table 1, above) apply to the Proposed Action. Based on the attached categorical exclusion review, I have determined that the Proposed Action, along with the project design features discussed under Section III of the CX, will not significantly affect the quality of the human environment, and that no further environmental analysis is required.

Implementation Date

This project will be implemented on or after May of 2016.



John Huston
Field Manager
Cascades Resource Area

3/30/16

Date

Administrative Review or Appeal Opportunities

The Categorical Exclusion and Decisions Record will be posted on the Salem District ePlanning website. The action is subject to protest under 43 CFR section 4.450-2. A decision in response to a protest is subject to appeal to the Interior Board of Land Appeals under 43 CFR part 4. Any protest must be received in writing to the Salem District Office, Attn: John Huston, Field Manager, Cascades Resource Area, Salem District BLM, 1717 Fabry Road SE, Salem, OR, 97306 by close of business on April 13th, 2016.

Contact Person

For additional information concerning this decision, contact Whitney Wirthlin, Cascades Resource Area Planning and Environmental Specialist, Cascades Resource Area, 1717 Fabry road, SE, Salem, Oregon 97306, (503) 375-5612.

TABLE 1A: 2016 Pre-commercial Thinning

Table 2A: 2016 Pre- commercial Thinning in the Matrix Land Use Allocation (LUA) GFMA =General Forest Management Area, CON = Connectivity LSR = Late Successional Reserves								
Name	Location	Key	Acres	Seasonal Restriction	LUA	Watershed	Name Of Watershed Analysis	Watershed Analysis Completion Status
Clear Down	5S-04E-03-130	954111	30	NONE	GFMA	Lower Clackamas River	Lower Clackamas River	Yes 1996
Bear's Ear	7S-03E-01-120	942985	24	March1 – July 15, 2016 Golden Eagle	GFMA	Upper Molalla River	Molalla River	Yes 1999
Bear's Ear	7S-03E-01-130	942986	27	March1 – July 15, 2016 Golden Eagle	GFMA	Upper Molalla River	Molalla River	Yes 1999
Bauercrest	7S-03E-02-120	954134	28	March1 – July 15, 2016 Golden Eagle	GFMA	Upper Molalla River	Molalla River	Yes 1999
Bauercrest	7S-03E-11-130	942986	19	March1 – July 15, 2016 Golden Eagle	GFMA	Upper Molalla River	Molalla River	1999
Doris Road	9S-3E-12-080	953948	22	NONE	GFMA	Little North Santiam River	Little North Santiam River	Yes 1997
Upper Neal Creek	11S-2E-05-020	951212	26	NONE	CON	Thomas Creek	Thomas Creek	Yes 1996

Bullwinkle	12S-03E-18-050	954107	10	NONE	CON	Quartzville Creek	Quartzville Creek	Yes 1999
Bullwinkle	12S-03E-18-060	954108	8	NONE	CON	Quartzville Creek	Quartzville Creek	Yes 1999
Bullwinkle	12S-03E-19-140	954102	4	NONE	GFMA	Quartzville Creek	Quartzville Creek	Yes 1999
Bullwinkle	12S-03E-19-150	954103	7	NONE	GFMA	Quartzville Creek	Quartzville Creek	Yes 1999
Bullwinkle	12S-03E-19-160	954104	10	NONE	GFMA	Quartzville Creek	Quartzville Creek	Yes 1999
Bullwinkle	12S-03E-20-060	954105	11	NONE	GFMA	Quartzville Creek	Quartzville Creek	Yes 1999
Total Matrix (GFMA, CON) Acres: 226								

Table 2B: 2016 Pre-commercial Thinning in the Late Successional Reserve LUA								
Name	Location	Key	Acres	Seasonal Restriction	LUA	Watershed	Name of Watershed Analysis	Watershed Analysis Completion Status
Rocky Road	12S-3E-10-220	954008	7	NONE	LSR	Quartzville Creek	Quartzville Creek	Yes 1999
Rocky Road	12S-3E-10-230	954009	6	NONE	LSR	Quartzville Creek	Quartzville Creek	Yes 1999
Total LSR Acres thinned 13								

2016 Pruning

Table 2C 2016 Pruning in the Matrix Land Use Allocation(LUA)GFMA = General Forest Management Area, CON = Connectivity, LSR = Late Successional Reserves

Name	Location	Key	Acres	Seasonal Restriction	LUA	Watershed	Name of Watershed Analysis	Watershed Analysis Completion Status
Green Plum	5-4E-7-010	940800	3	NONE	GFMA	Lower Molalla River	Molalla River	Yes 1999
Green Hornet	5-4E-9-180	943072	34	NONE	GFMA	Lower Molalla River	Molalla River	Yes 1999
Upper Bauer	7-3E-2-060	943131	33	NONE	GFMA	Upper Molalla River	Molalla River	Yes 1999
Bauercrest	7-3E-11-130	954138	19	NONE	GFMA	Upper Molalla River	Molalla River	Yes 1999
Lookout Mountain	8-3E-13-180	942070	29	NONE	CON	Little North Santiam River	Little North Santiam River	Yes 1997
Roland Minto	9-4E-19-170	954041	3	NONE	CON	Middle North Santiam River	North Santiam River	Yes 1999
Roland Minto	9-4E-19-180	954042	6	NONE	CON	Middle North Santiam River	North Santiam River	Yes 1999
Hard Rock	10-3E-1-160	954078	18	NONE	GFMA	Middle North Santiam River	North Santiam River	Yes 1999

CX Number: DOI-BLM-ORWA-S040-2016-0011-CX Project: 2016 Cascades Young Stand Treatments CX

Strix and Stones	11-2E-7-060	954003	22	NONE	GFMA	Crabtree Creek	Crabtree Creek	Yes 2001
Strix and Stones	11-2E-8-110	954006	46	NONE	GFMA	Crabtree Creek	Crabtree Creek	Yes 2001
Harry Mountain	11-3E-4-994	954027	15	NONE	CON	Crabtree Creek	Crabtree Creek	Yes 2001
South Fork Skyline	11-3E-14-160	954495	28	NONE	LSR	Quartzville Creek	Quartzville Creek	Yes 1999
Fog Out	11-3E-14-172	952994	12	NONE	LSR	Quartzville Creek	Quartzville Creek	Yes 1999
Crabtree Cherry	11-3E-22-230	953425	15	NONE	LSR	Quartzville Creek	Quartzville Creek	Yes 1999
Crabtree Cherry	11-3E-22-240	953445	40	NONE	LSR	Quartzville Creek	Quartzville Creek	Yes 1999
Puny Puddles	11-3E-30-170	953987	14	NONE	LSR	Crabtree Creek	Crabtree Creek	Yes 2001
Puny Puddles	11-3E-30-180	953988	25	NONE	LSR	Crabtree Creek	Crabtree Creek	Yes 2001
Puny Puddles	11-3E-32-190	953989	18	NONE	LSR	Quartzville Creek – Green Peter	Quartzville Creek	Yes 1999

Bull Moose	12S-03E-17-070 12S-3E-18-010	953615	44	NONE	CON	Quartzville Creek	Quartzville Creek	Yes 1999
Bullwrinkle	12S-03E-18-050	954107	10	NONE	CON	Quartzville Creek	Quartzville Creek	Yes 1999
Bullwrinkle	12S-03E-18-060	954108	8	NONE	CON	Quartzville Creek	Quartzville Creek	Yes 1999
Bull Moose	12S-03E-19-060	952651	28	NONE	GFMA	Quartzville Creek	Quartzville Creek	Yes 1999
Bullwrinkle	12S-03E-19-140	954102	4	NONE	GFMA	Quartzville Creek	Quartzville Creek	Yes 1999
Bullwrinkle	12S-03E-19-150	954103	7	NONE	GFMA	Quartzville Creek	Quartzville Creek	Yes 1999
Bullwrinkle	12S-03E-19-160	954104	10	NONE	GFMA	Quartzville Creek	Quartzville Creek	Yes 1999
Bullwrinkle	12S-03E-20-060	954105	11	NONE	GFMA	Quartzville Creek	Quartzville Creek	Yes 1999
Total Pruning Acres 451								

* May waive or change restriction after 2016 northern spotted owl surveys

Seasonal restriction for item 2, no work can be done

From March 1, 2016-July 15-2016

United States

Department of the Interior

BUREAU OF LAND MANAGEMENT

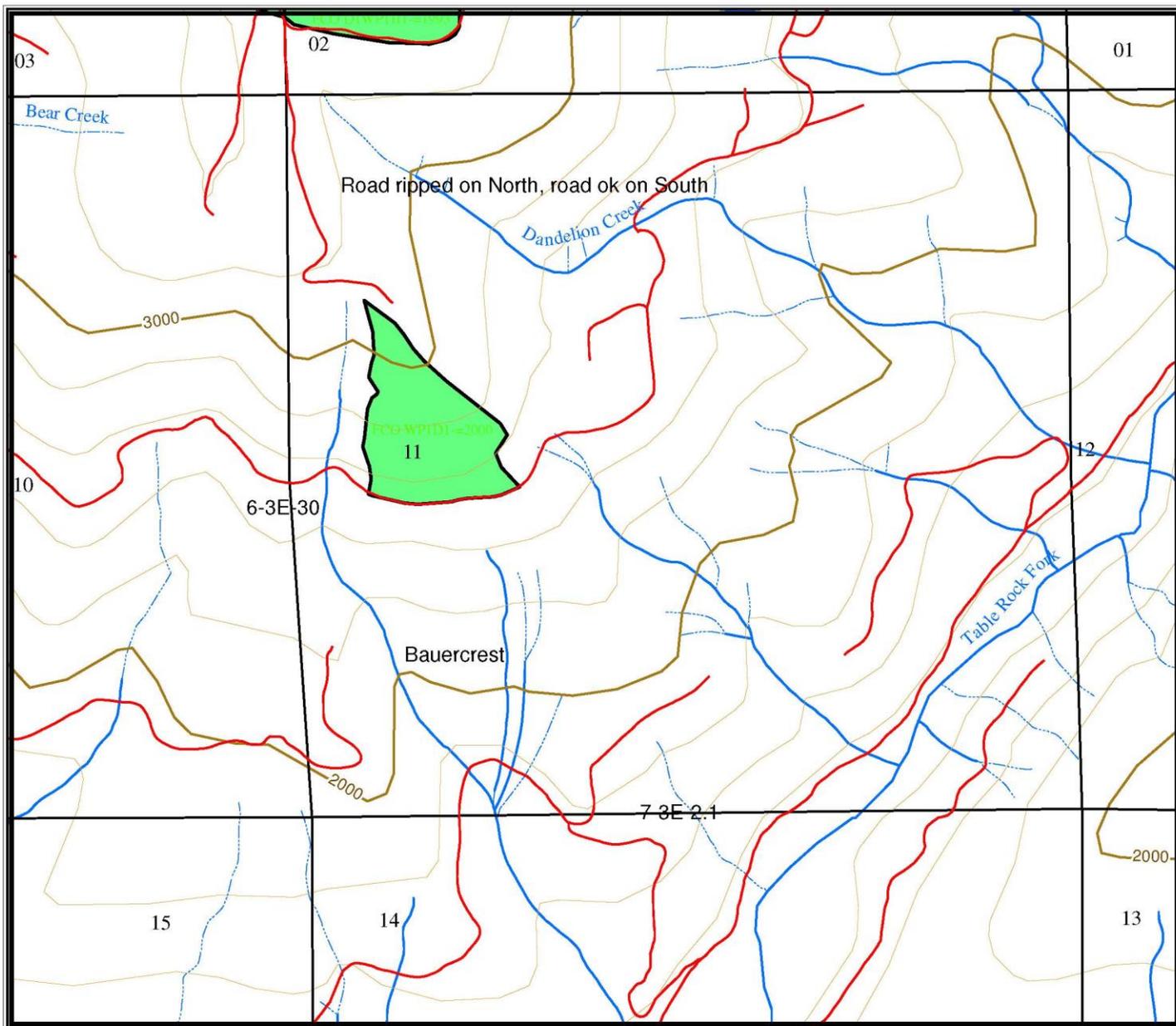
Gate key 4C66, and possibly 4C98 needed for access

Salem District / Cascades Resource Area

T07S-R03E Sec 11

Item	Unit Name	Unit#	Acres		Age(yrs)
10	Bauercrest	954138-130	19	2540-3120	15
2	Bauercrest	954138-130	19	2540-3120	15

Sept. 6, 2011



1,000 500 0Feet

Contour Interval: 100'

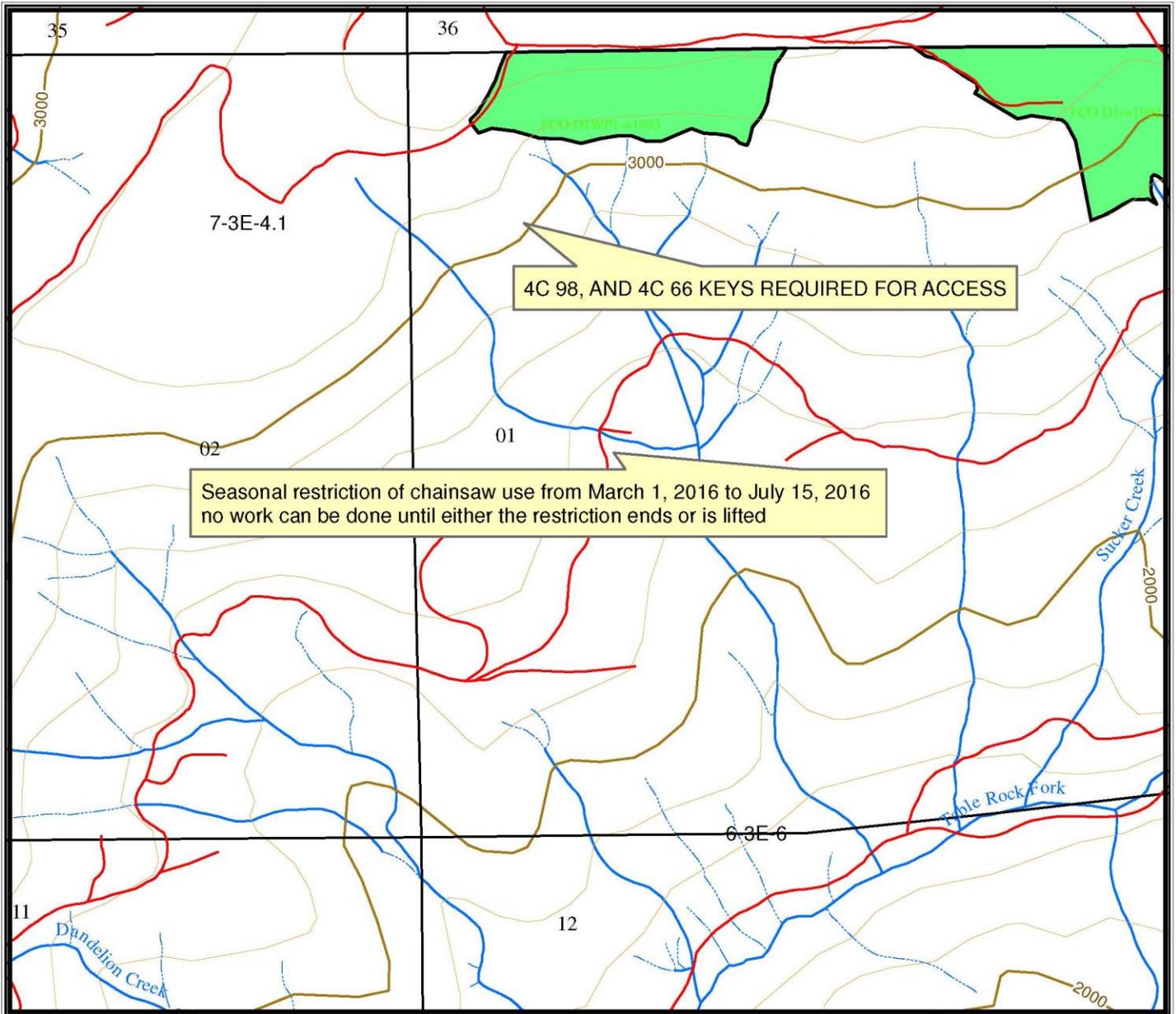
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-  Intermittent streams
-  Perennial streams
-  Road
-  Walk In Road
-  Highway
-  FOI bndry



Item	Unit Name	Unit#	Acres	Elev Range (ft)	Age(yrs)
2	Bear's Ear	942986-130	27	3200-3400	22
2	Bear's Ear	942985-120	24	2733-3333	23

Sept. 6, 2011



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- Intermittent streams
- Perennial streams
- Road
- Walk In Road
- Highway
- FOI bndry

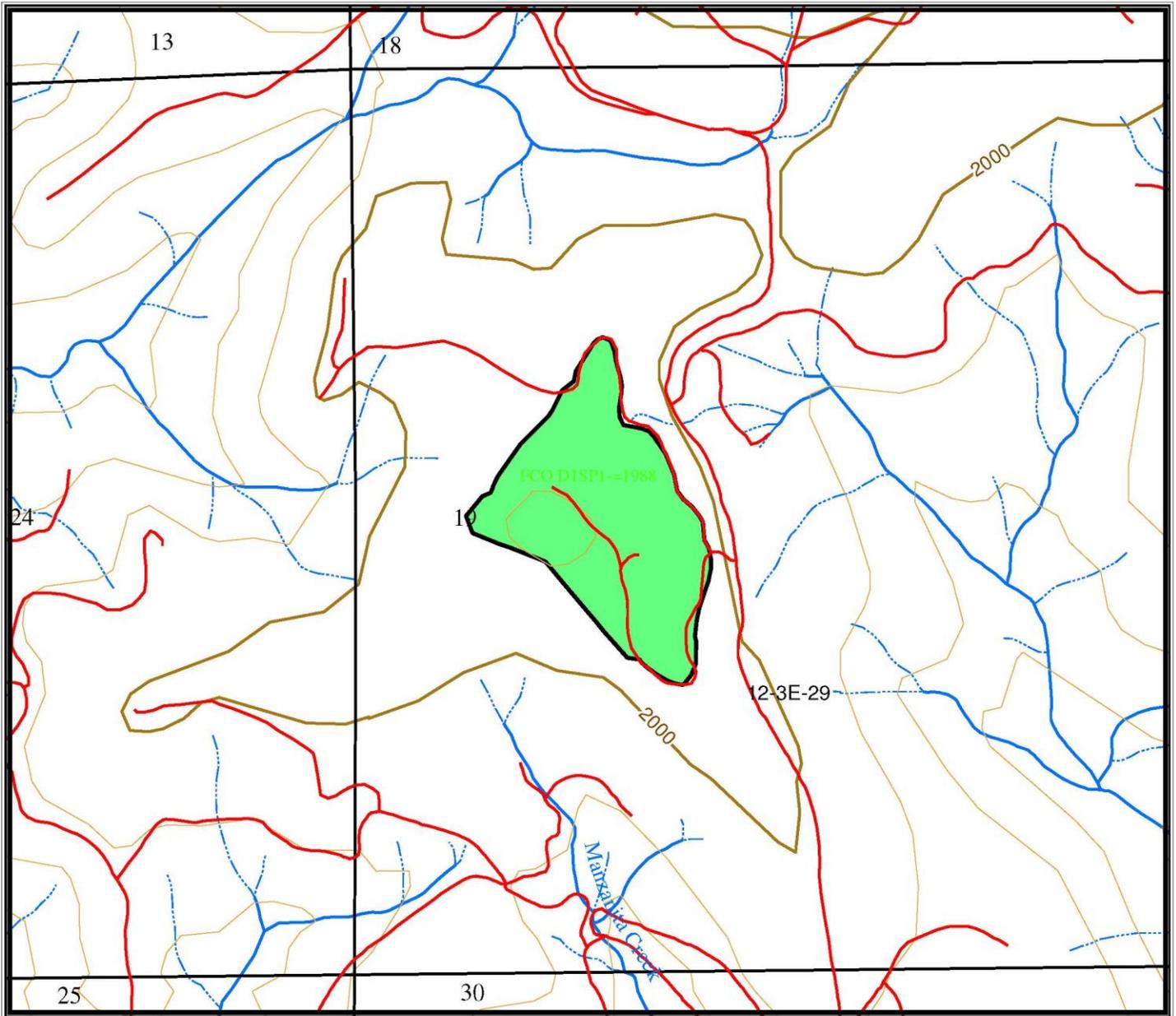


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12S-03E-19

Item	Unit Name	Unit#	Acres	Elev Range (ft)	Age(yrs)
10	Bull Moose	952651-060	28	2000-2240	28

Sept. 6, 2011



1,000 500 0feet

Contour Interval: 100'

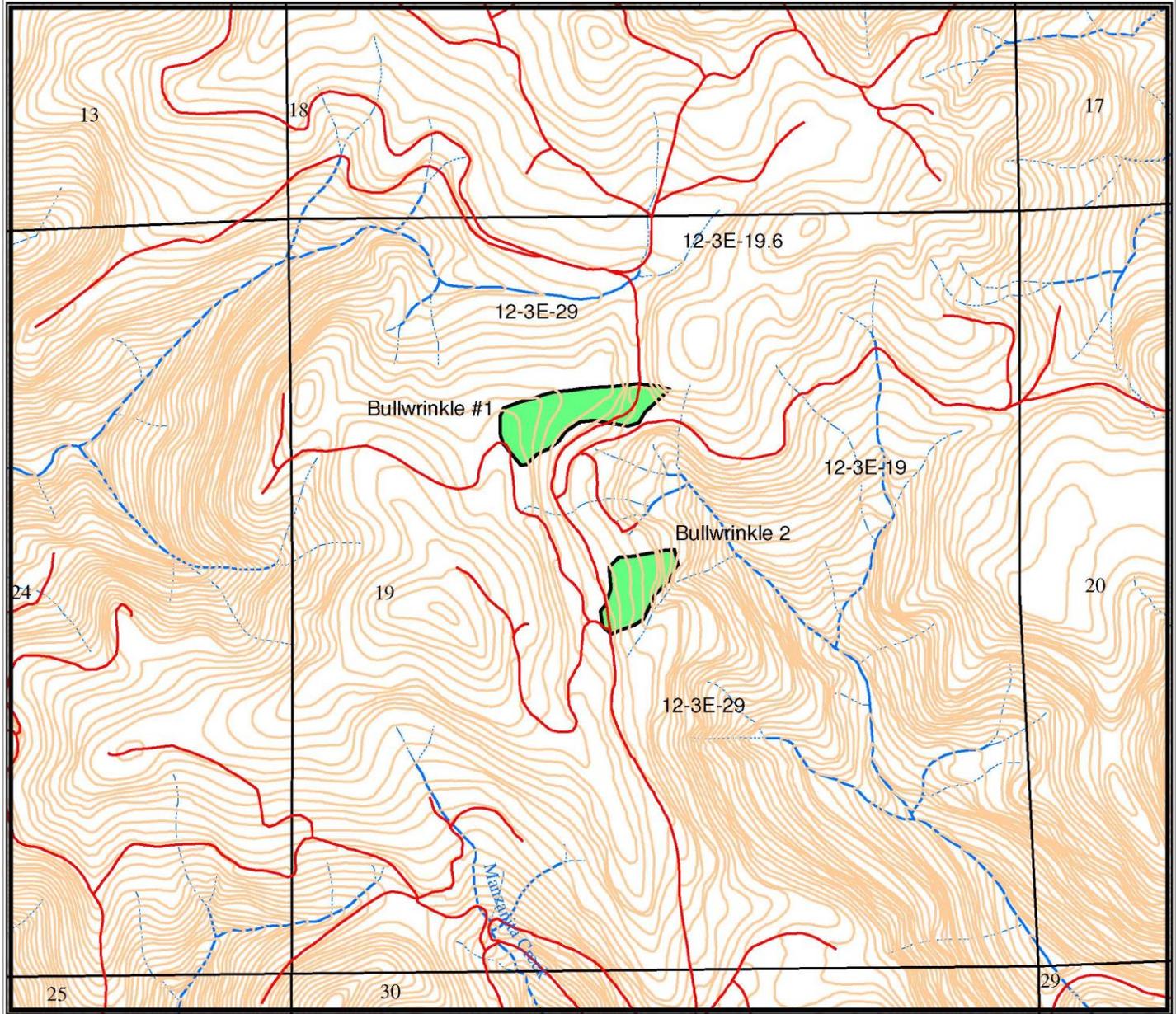
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- Intermittent streams
- Perennial streams
- Road
- Walk In Road
- Highway
- FOI bndry



Item	Unit Name	Unit #	Acres	Elev. Range (ft)	Age (yrs)
1	Bullwinkle #1	954103-150	7	1940-2060	17
10	Bullwinkle #1	954103-150	7	1940-2060	17
1	Bullwinkle #2	954102-140	4	1850-2000	17
10	Bullwinkle #2	954102-140	4	1850-2000	17

Sept. 6, 2011



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- Intermittent streams
- Perennial streams
- Road
- Walk In Road
- Highway
- FOI bndry

Contour Interval: 100'



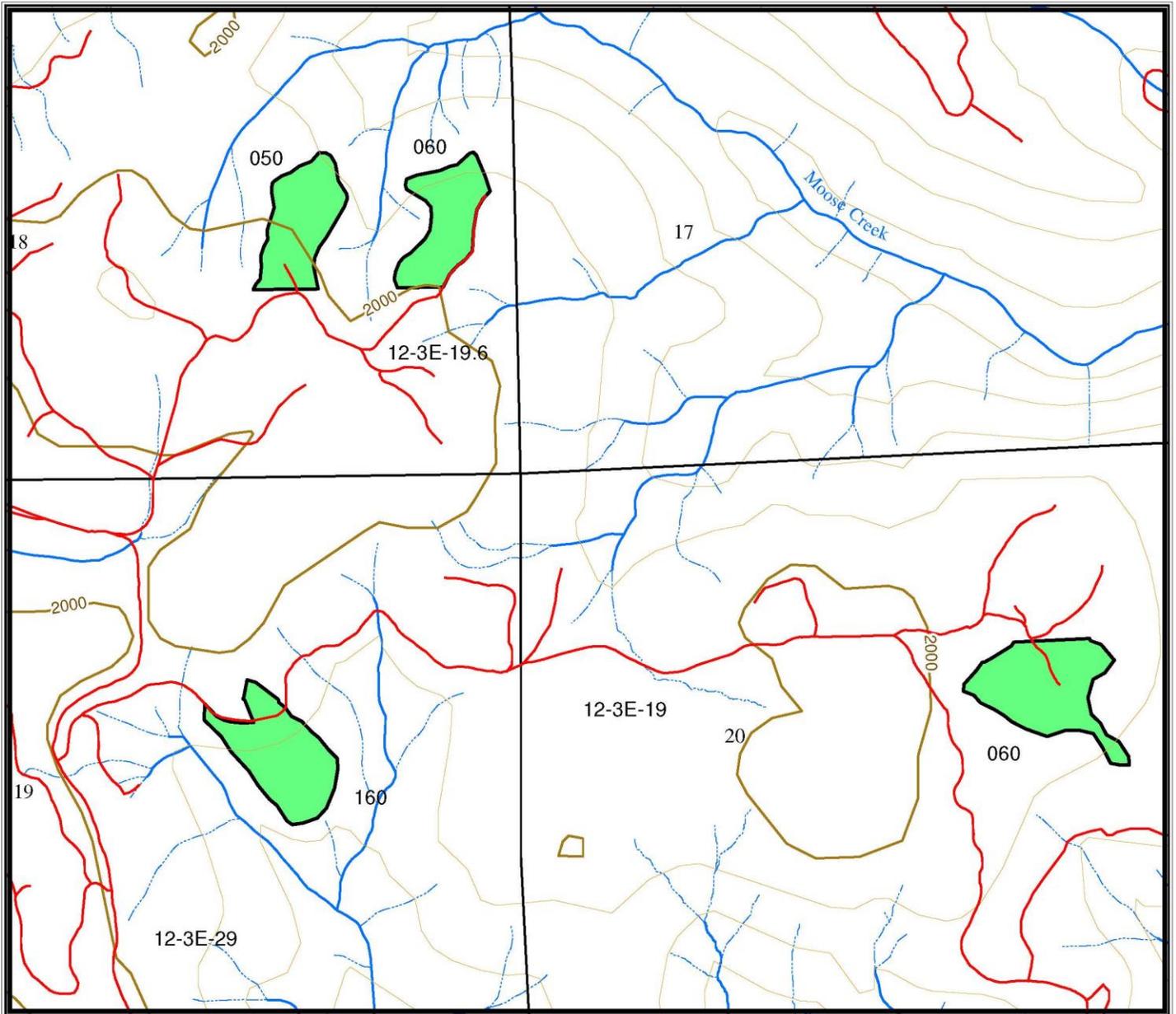
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 Salem District / Cascades Resource Area

T12S-R03E Sec 18, 19, 20

Item	Unit Name	Unit #	Acres	Elev. Range (ft)	Age (yrs)
1	Bullwinkle	954107-050	10	1770-1980	16
1	Bullwinkle	954108-060	8	1770-2040	17-29
1	Bullwinkle	954104-160	10	1600-1920	16
1	Bullwinkle	954105-060	11	1720-1920	16

Sept. 6, 2011

Area east of road 19.6 is a pruning treatment, and not thinning so not on this map.



1,000 500 0 Feet

Contour Interval: 100'

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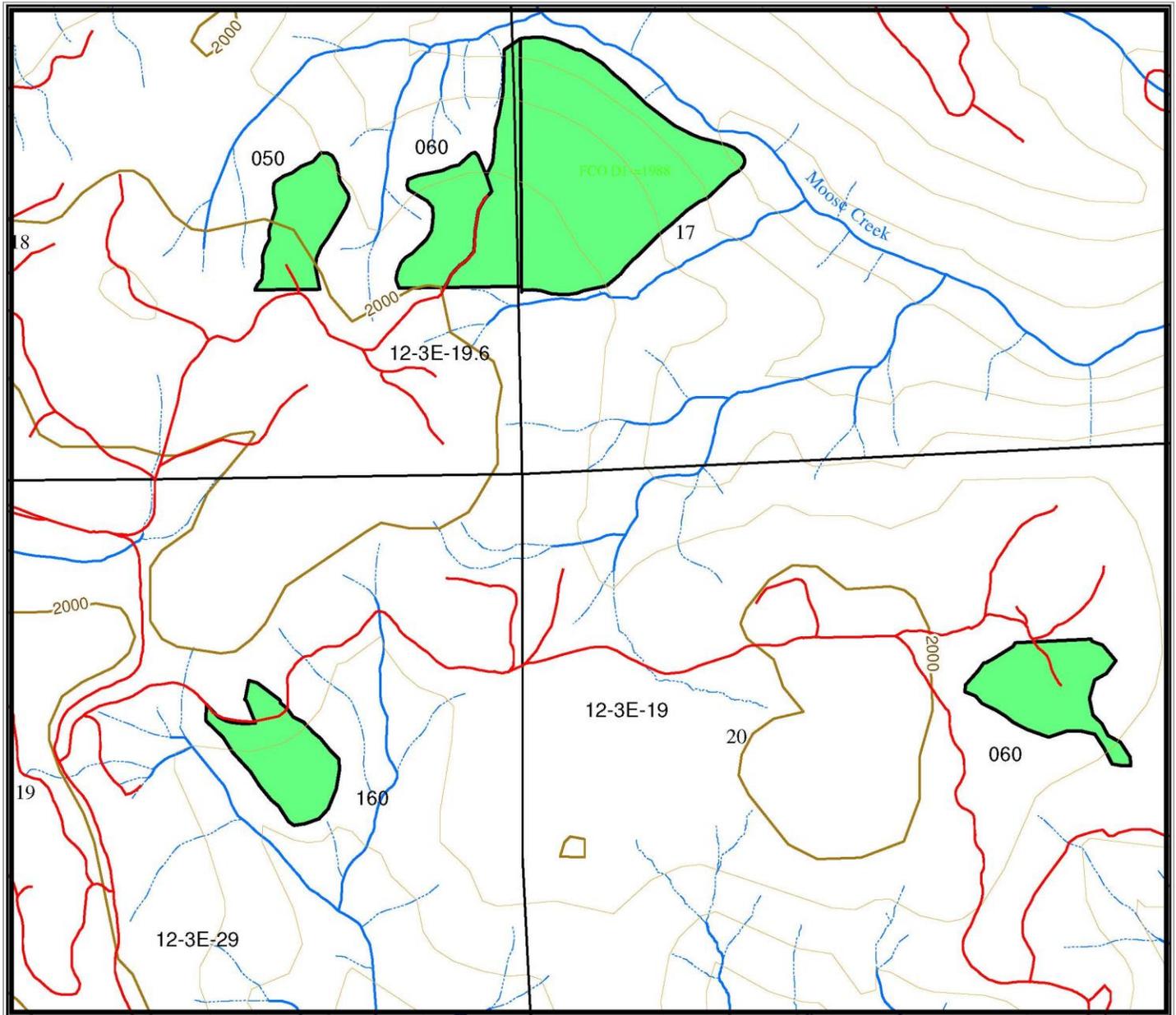
- Intermittent streams
- Perennial streams
- Road
- Walk In Road
- Highway
- FOI bndry



Item	Unit Name	Unit #	Acres	Elev. Range (ft)	Age (yrs)
10	Bullwinkle	954107-050	10	1770-1980	16
10	Bullwinkle	954108-060	52	1770-2040	17-29
10 ↓	Bullwinkle	954104-160	10	1600-1920	16
10	Bullwinkle	954105-060	11	1720-1920	16

Unit 060 is comprised of 2 units put together. Area west of road is younger stand.

Sept. 6, 2011



1,000 500 0Feet

Contour Interval: 100'

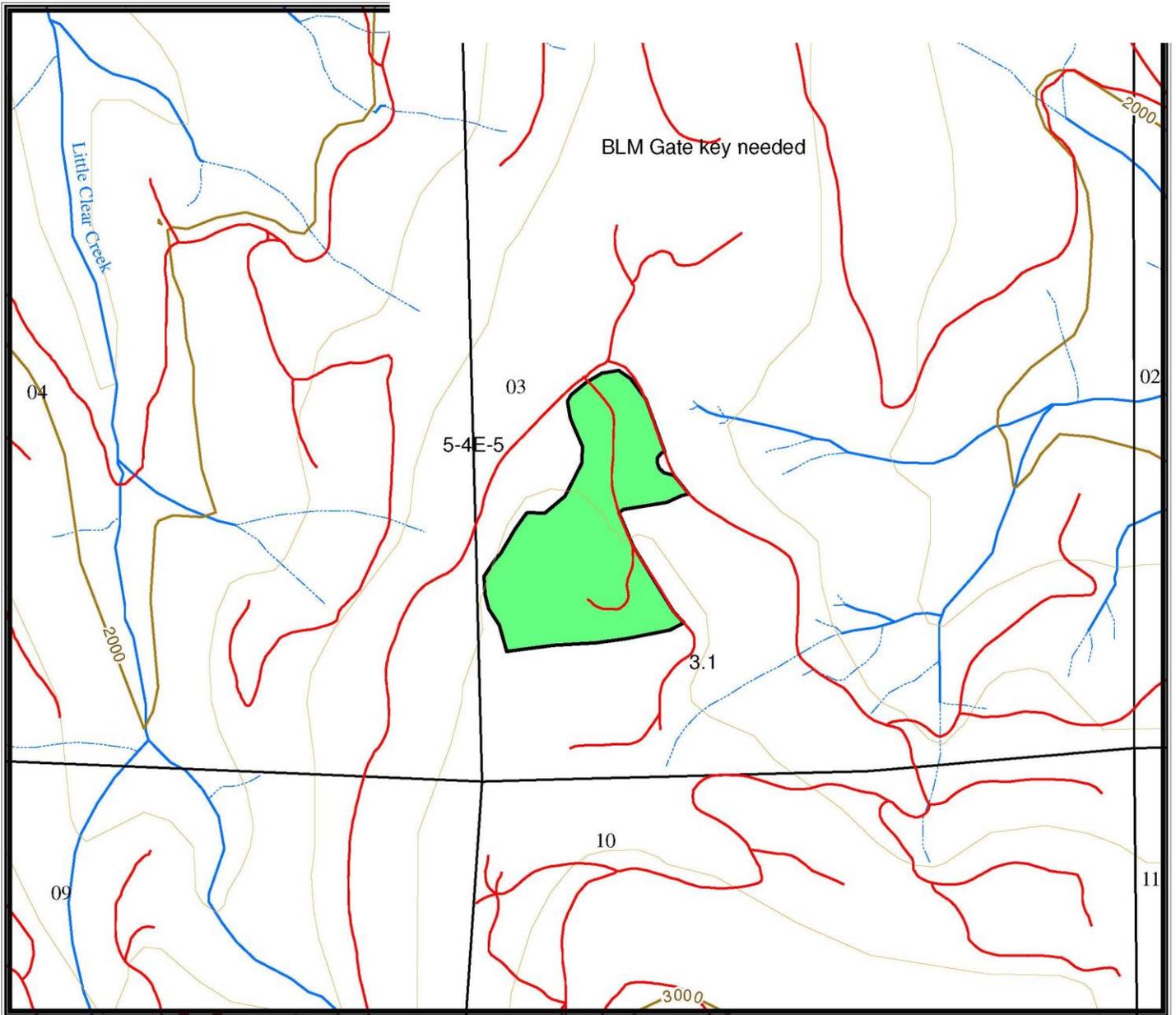
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- Intermittent streams
- Perennial streams
- Road
- Walk In Road
- Highway
- FOI bndry



Item	Unit Name	Unit #	Acres	Elev. Range (ft)	Age (yrs)
2	Clear Down	954111-130	30	2540-2700	15

Sept. 6, 2011



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- Intermittent streams
- Perennial streams
- Road
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- Highway
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Contour Interval: 100'

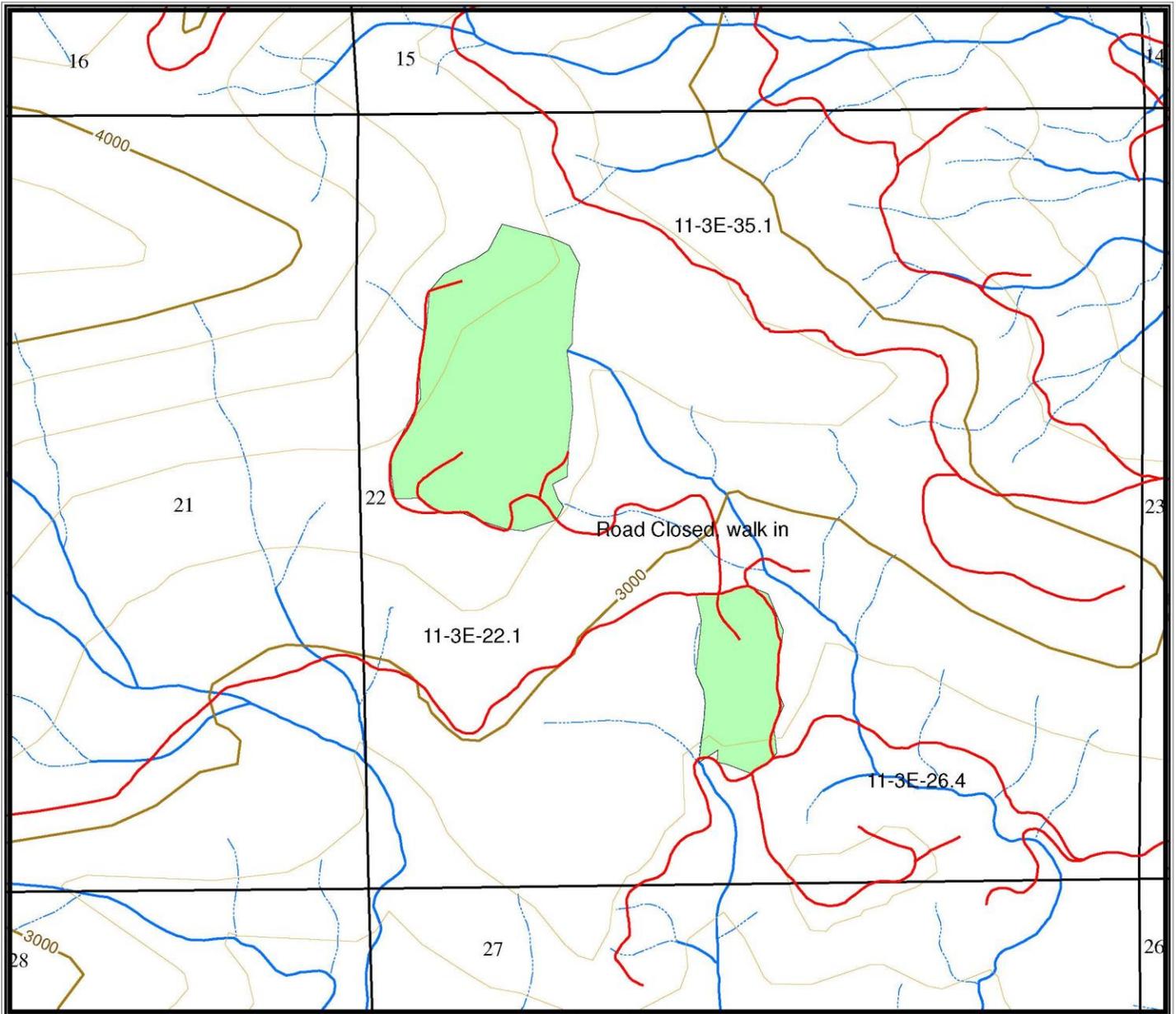


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 Salem District / Cascades Resource Area

T11-R03E Sec 22

Item	Unit Name	Unit#	Acres	Elev Range (ft)	Age(yrs)
10	Crabtree Cherry	953425-230	15	2800-2900	28
10	Crabtree Cherry	953445-240	40	3200-3400	27

Sept. 6, 2011



1,000 500 0 Feet

-  Project Area
-  Intermittent streams
-  Perennial streams
-  Road
-  Walk In Road
-  Highway

Contour Interval: 100'

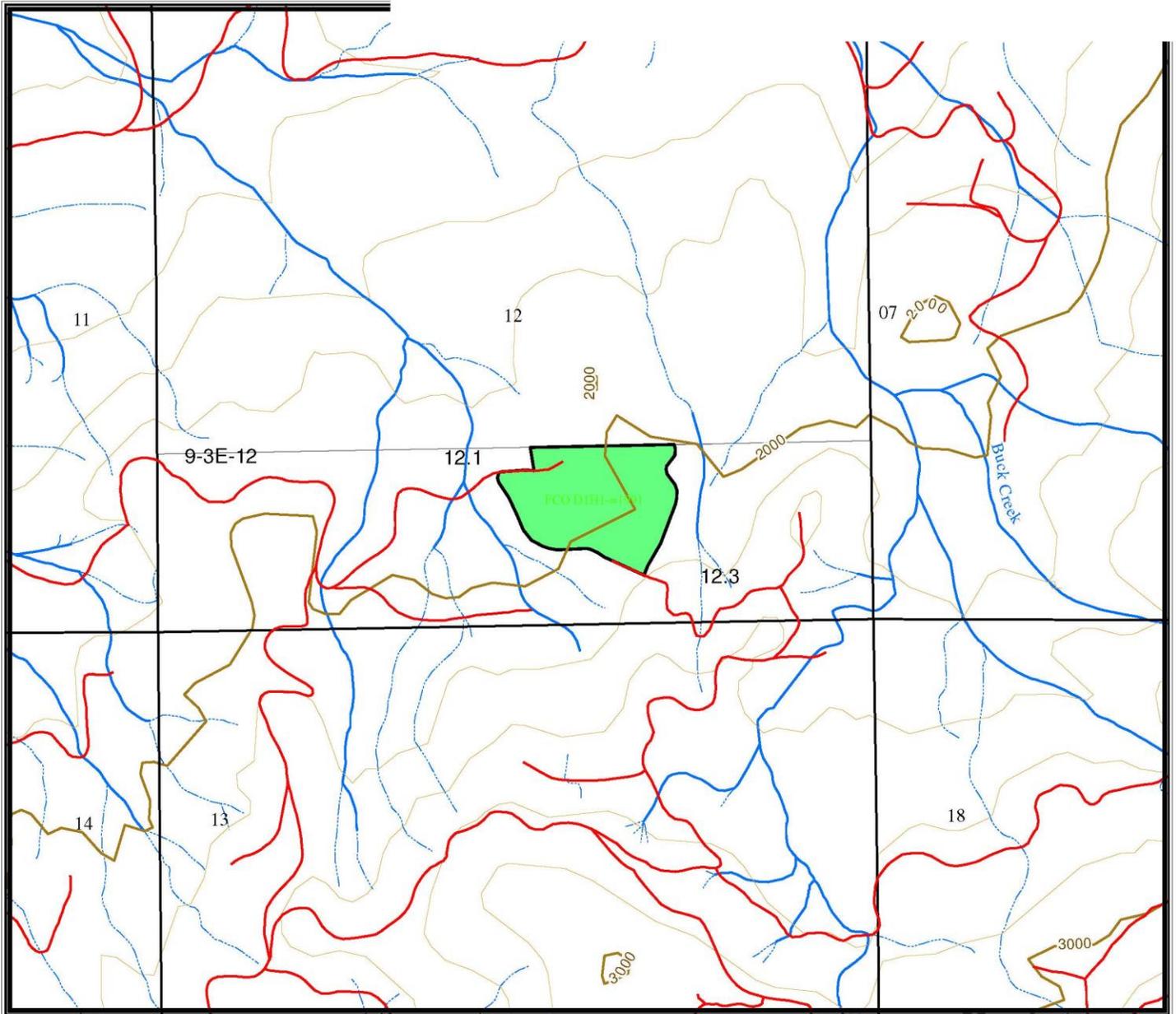


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Item	Unit Name	Unit #	Acres	Elev. Range (ft)	Age (yrs)
2	Doris Road	953948-080	22	1920-2200	25

Sept. 6, 2011



1,000 500 0feet

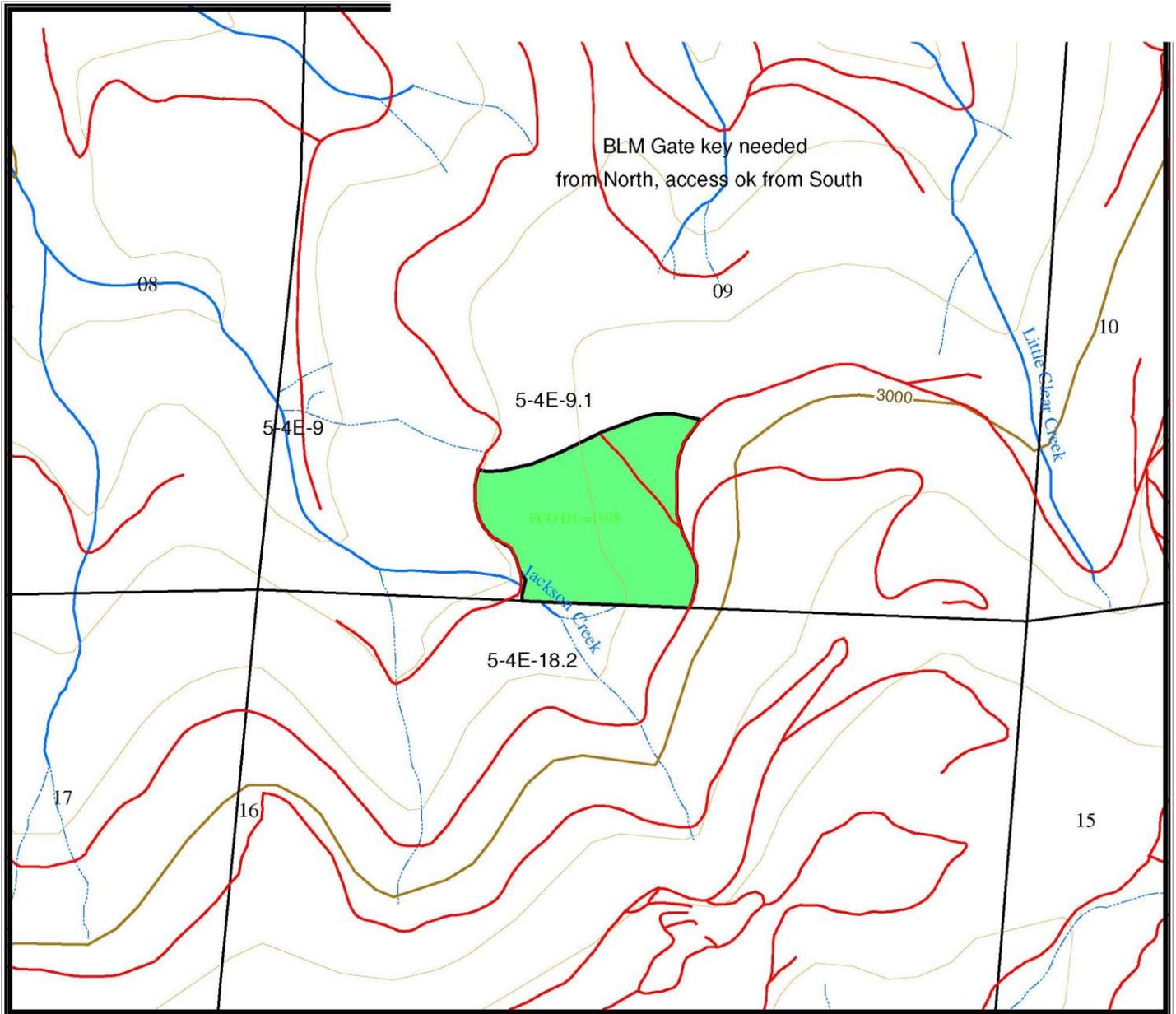
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- Intermittent
- Perennial
- Road
- Walk In Road
- Highway
- FOI bndry
- Private
- Private Industrial
- FWS
- State
- Unknown
- Local Govt.
- BLM
- USFS

Contour Interval: 100'

Item	Unit Name	Unit #	Acres	Elev. Range (ft)	Age (yrs)
10	Green Hornet	943072-180	34	2500-2900	21

Sept. 6, 2011



Contour Interval: 100'

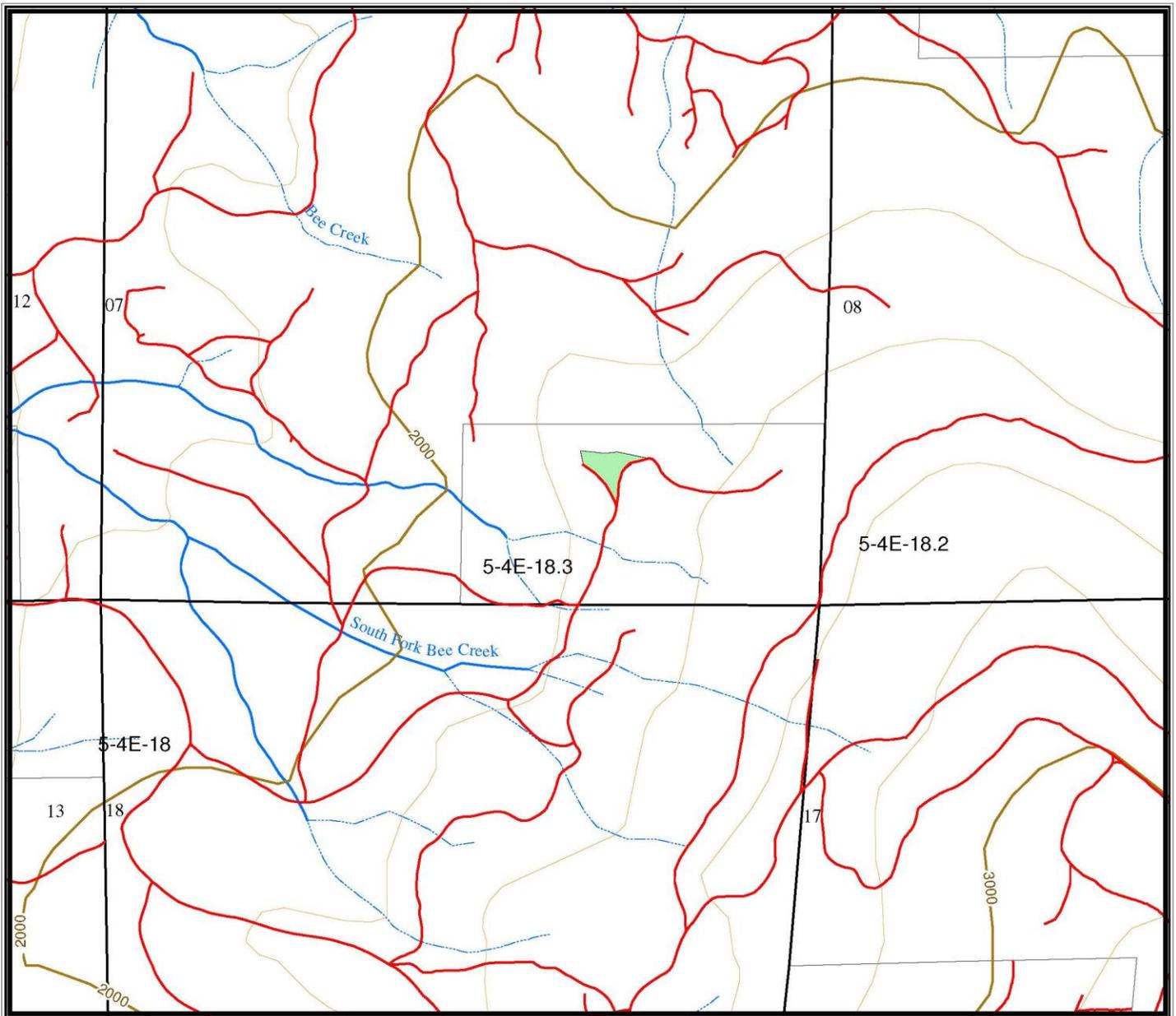
No warranty is made by the Bureau of Land Management as to the accuracy, reliability, or completeness of these data for individual or aggregate use with other data. Original data were compiled from various sources and may be updated without notification.

-  Intermittent streams
-  Perennial streams
-  Road
-  Walk In Road
-  Highway
-  FOI bndry



Item	Unit Name	Unit#	Acres	Elevation range (ft)	Age(yrs)
10	Green Plum	940800 -010	3	2300-2320	25

Sept. 6, 2011



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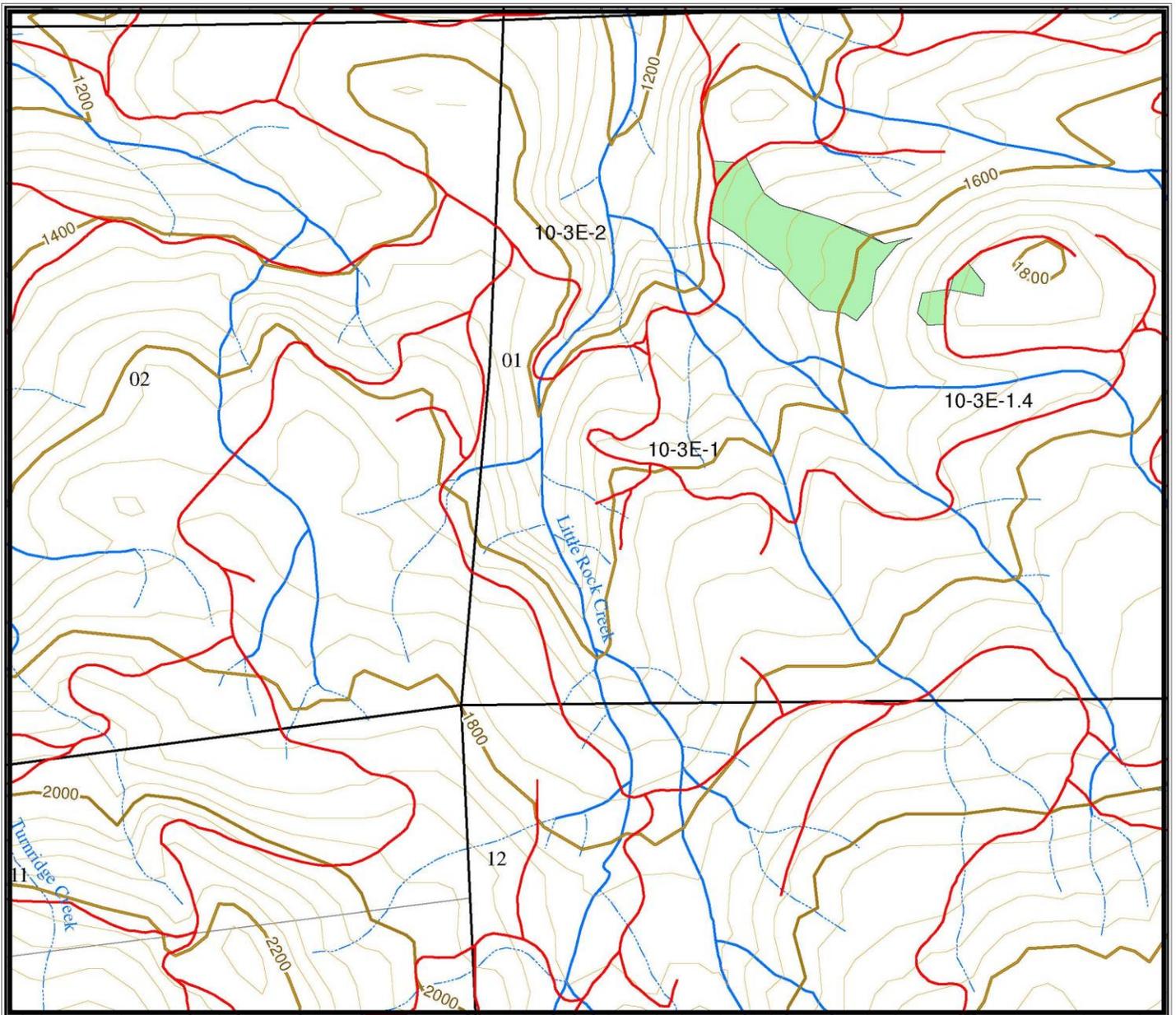
-  Project Area
-  Intermittent
-  Perennial
-  Road
-  Walk In Road
-  Highway
-  Private
-  Private Industrial
-  FWS
-  State
-  Unknown
-  Local Govt.
-  BLM
-  USFS

Contour Interval: 100'



Item	Unit Name	Unit #	Acres	Elev. Range (ft)	Age (yrs)
10	HARD ROCK	954078-160	18	1450-1800	17

Sept. 6, 2011



1,000 500 0 Feet



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- Project Area
- Intermittent
- Perennial
- Road
- Walk In Road

- Highway

- Private
- Private Industrial
- FWS
- State
- Unknown
- Local Govt.
- BLM
- USFS

Contour Interval: 100'



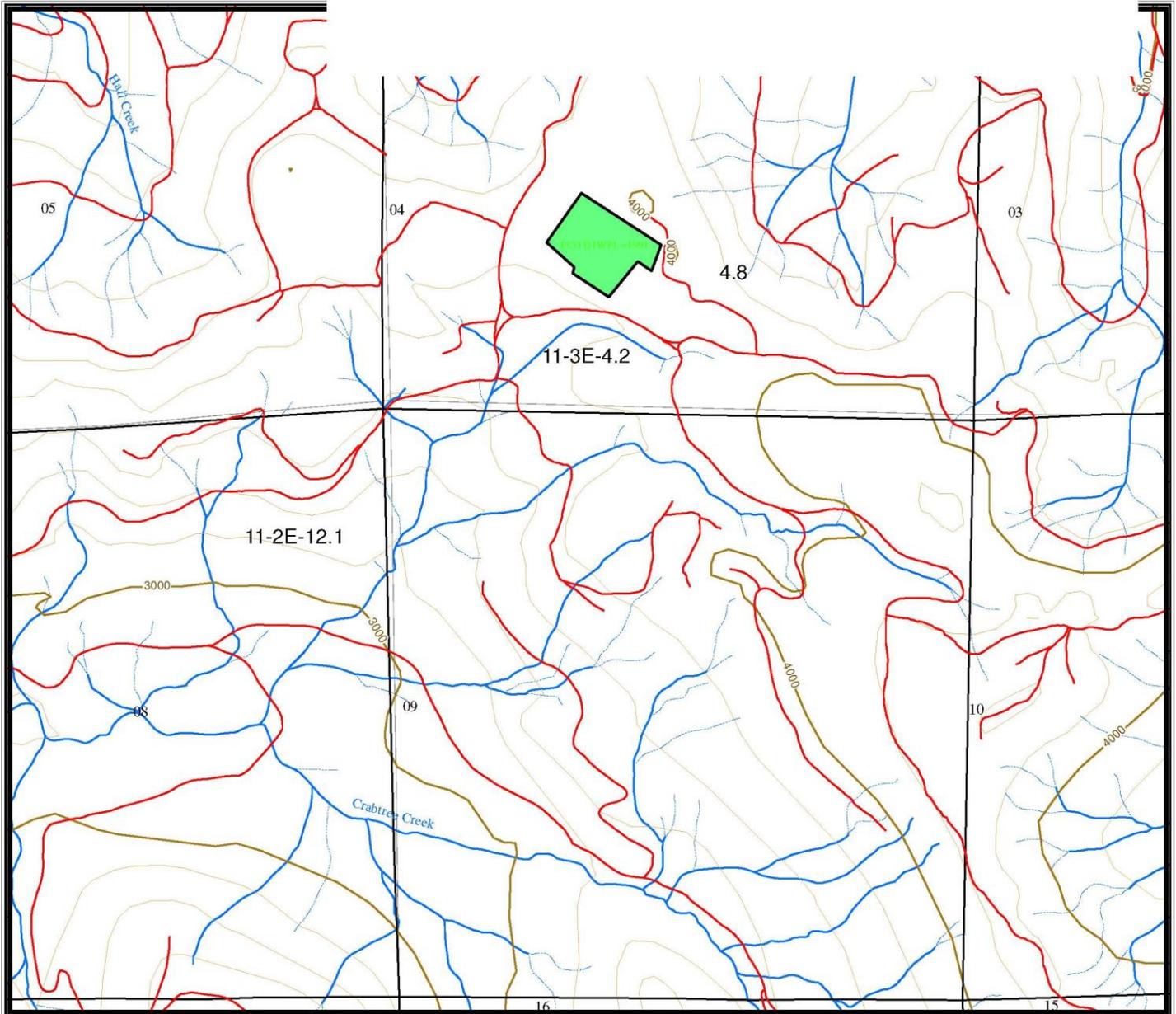
United States
 Department of the Interior
 BUREAU OF LAND MANAGEMENT
 Salem District / Cascades Resource Area

Gate key needed via Snow Peak ML, OK via Quartzville

T11S-R03E Sec 04

Item	Unit Name	Unit #	Acres	Hex. Range (ft)	Age (yrs)
10	Harry Mountain	954027-994	15	3800-3900	25

Sept. 6, 2011



1,000 500 0Feet

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- Intermittent
- Perennial
- Road
- Walk In Road
- Highway
- FOI bndry
- Private
- Private Industrial
- FWS
- State
- Unknown
- Local Govt.
- BLM
- USFS

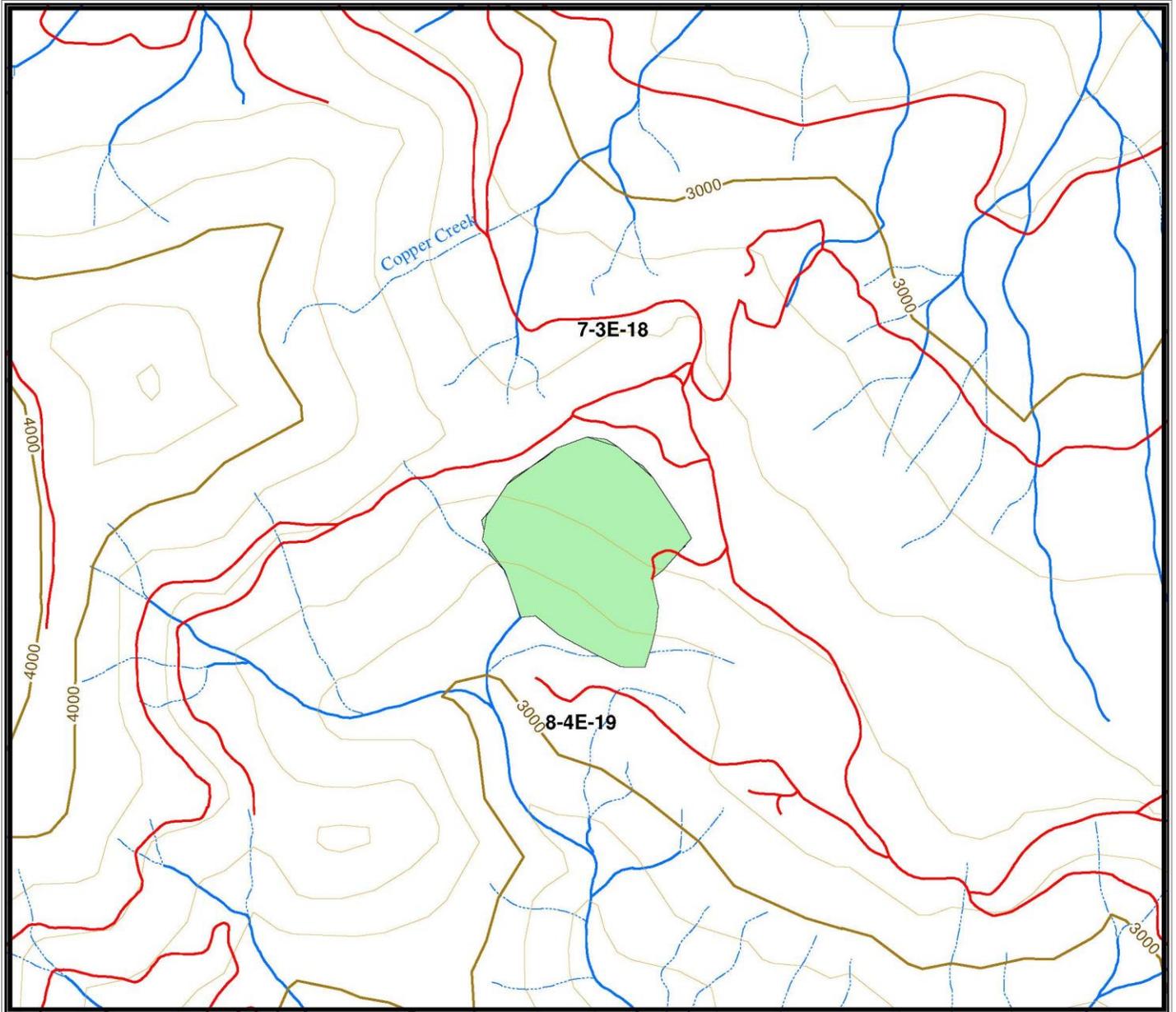
Contour Interval: 100'



United States
 Department of the Interior
 BUREAU OF LAND MANAGEMENT
 Salem District / Cascades Resource Area

Item	Unit Name	Unit #	Acres	Elev. Range (ft)	Age (yrs)
10	Lookout Mtn	942070-180	29	3180-3520	19

Sept. 6, 2011



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-  Project Area
-  Intermittent
-  Perennial
-  Road
-  Walk In Road
-  Highway

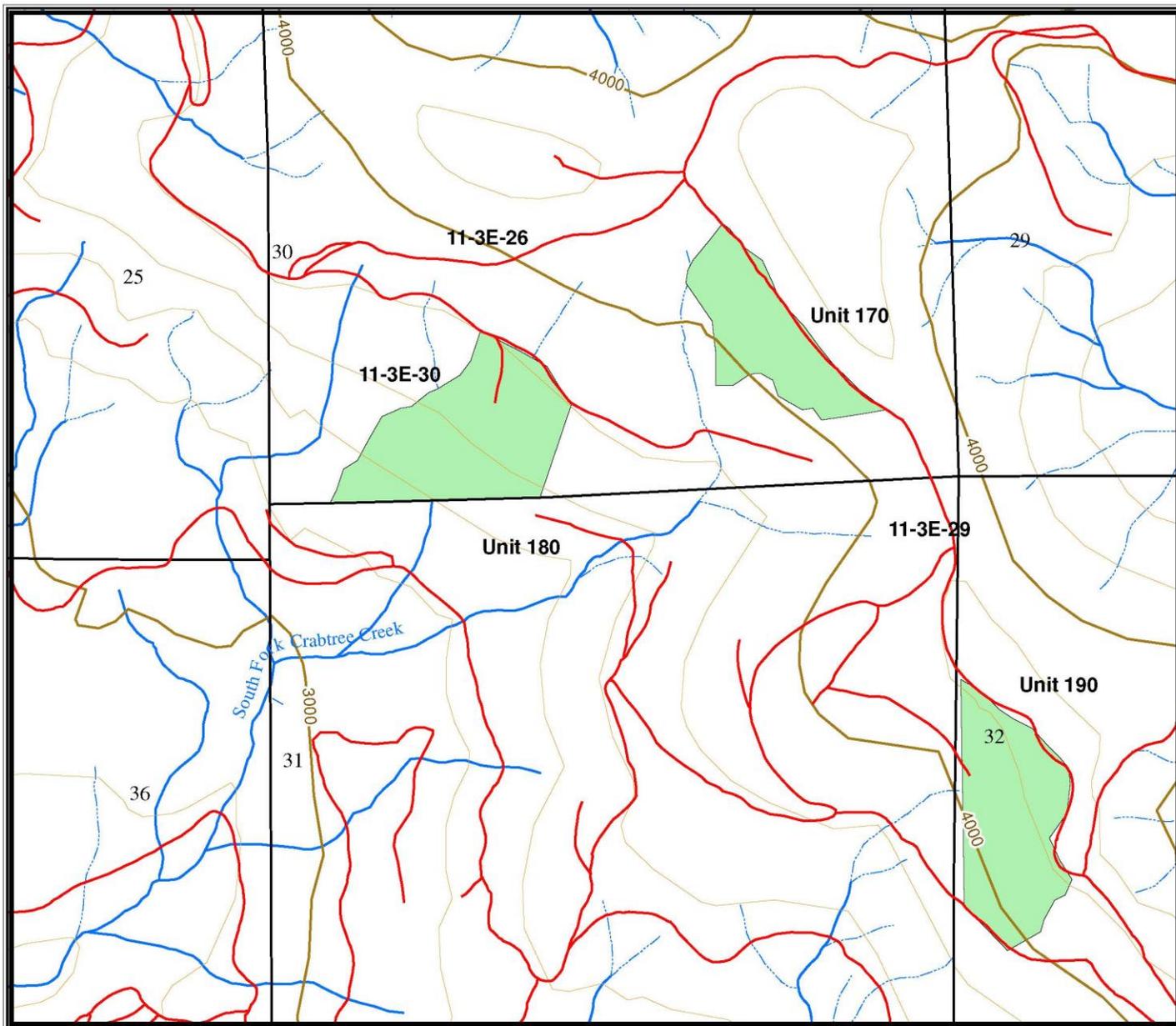
Contour Interval: 100'



United States
 Department of the Interior
 BUREAU OF LAND MANAGEMENT
 Salem District / Cascades Resource Area

Item	Unit Name	Unit #	Acres	Elev. Range (ft)	Age (yrs)
10	Puny Puddles	953987-170	14	4000-4050	23
10	Puny Puddles	953988-180	25	3400-3800	22
10	Puny Puddles	953989-190	18	3900-4200	23

Sept. 6, 2011



Contour Interval: 100'

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- Project Area
- Intermittent
- Perennial
- Road
- Walk In Road
- Highway

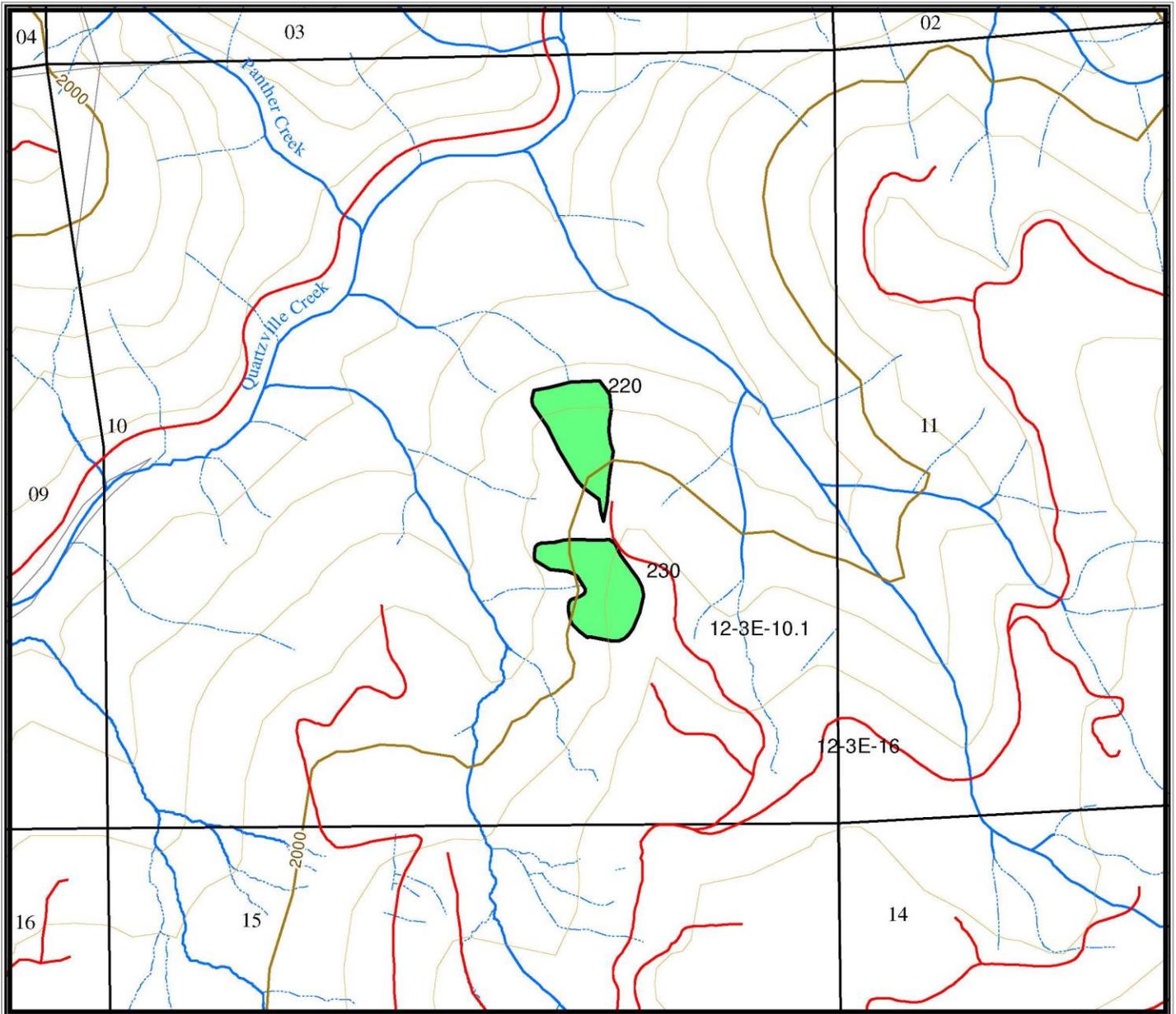


United States
 Department of the Interior
 BUREAU OF LAND MANAGEMENT
 Salem District / Cascades Resource Area

12S-03E-10

Item	Unit Name	Unit#	Acres	Elev Range (ft)	Age(yrs)
2	Rocky Road	954008-220	7	2100-2300	18
2	Rocky Road	954009-230	6	1600-2000	20

Sept. 6, 2011



1,000 500 0Feet

Contour Interval: 100'

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- Perennial
- Road
- Walk In Road
- Highway
- FOI bndry
- Private
- Private Industrial
- FWS
- State
- Unknown
- Local Govt.
- BLM
- USFS

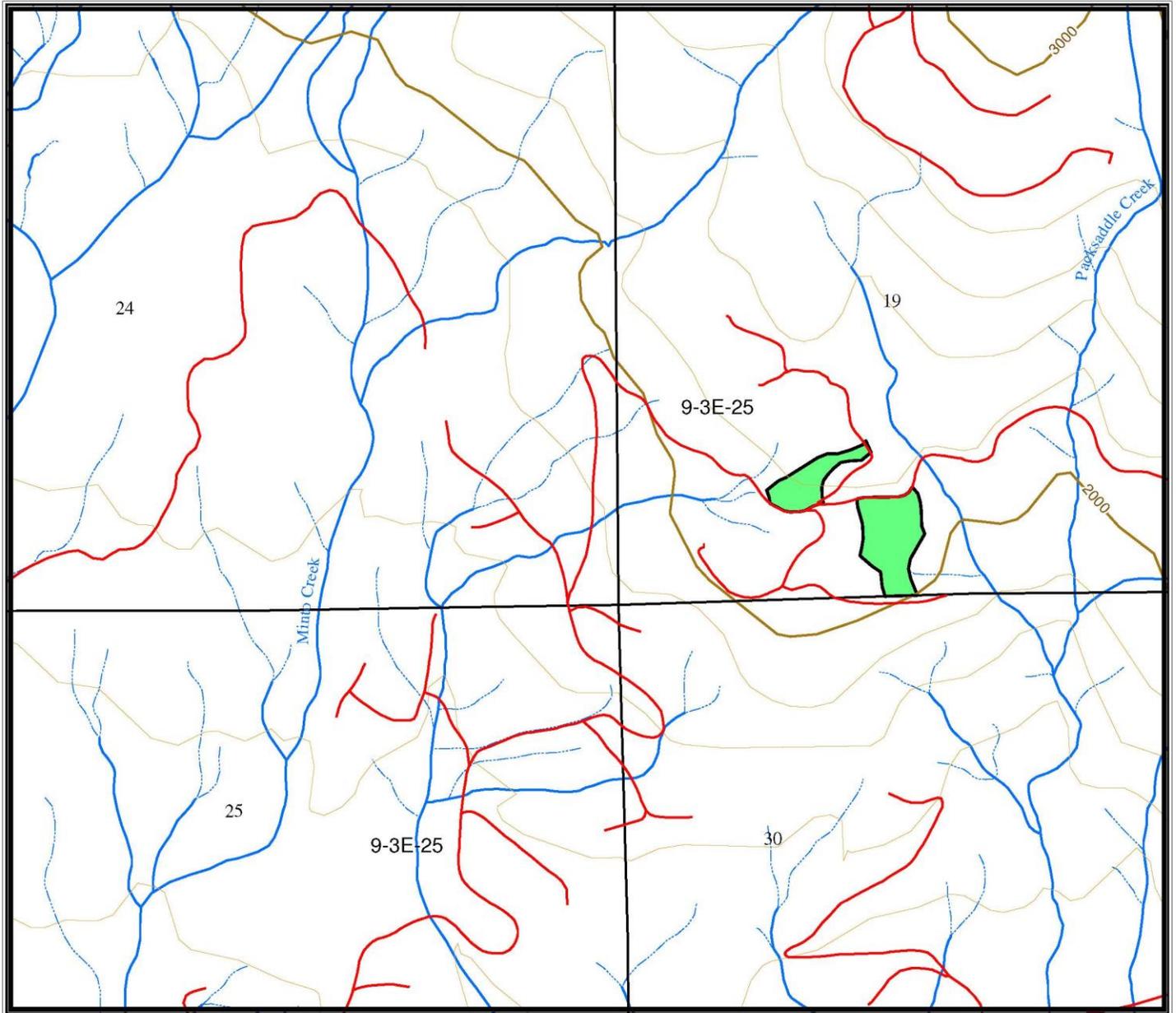


United States
 Department of the Interior
 BUREAU OF LAND MANAGEMENT
 Salem District / Cascades Resource Area

T09S-R04E Sec 19

Item	Unit Name	Unit#	Acres	Elev Range (ft)	Age(yrs)
10	Roland Minto	954041-170	3	2150-2400	19
10	Roland Minto	954042-180	6	1800-2200	19

Sept. 6, 2011



1,000 500 0'-feet

Contour Interval: 100'

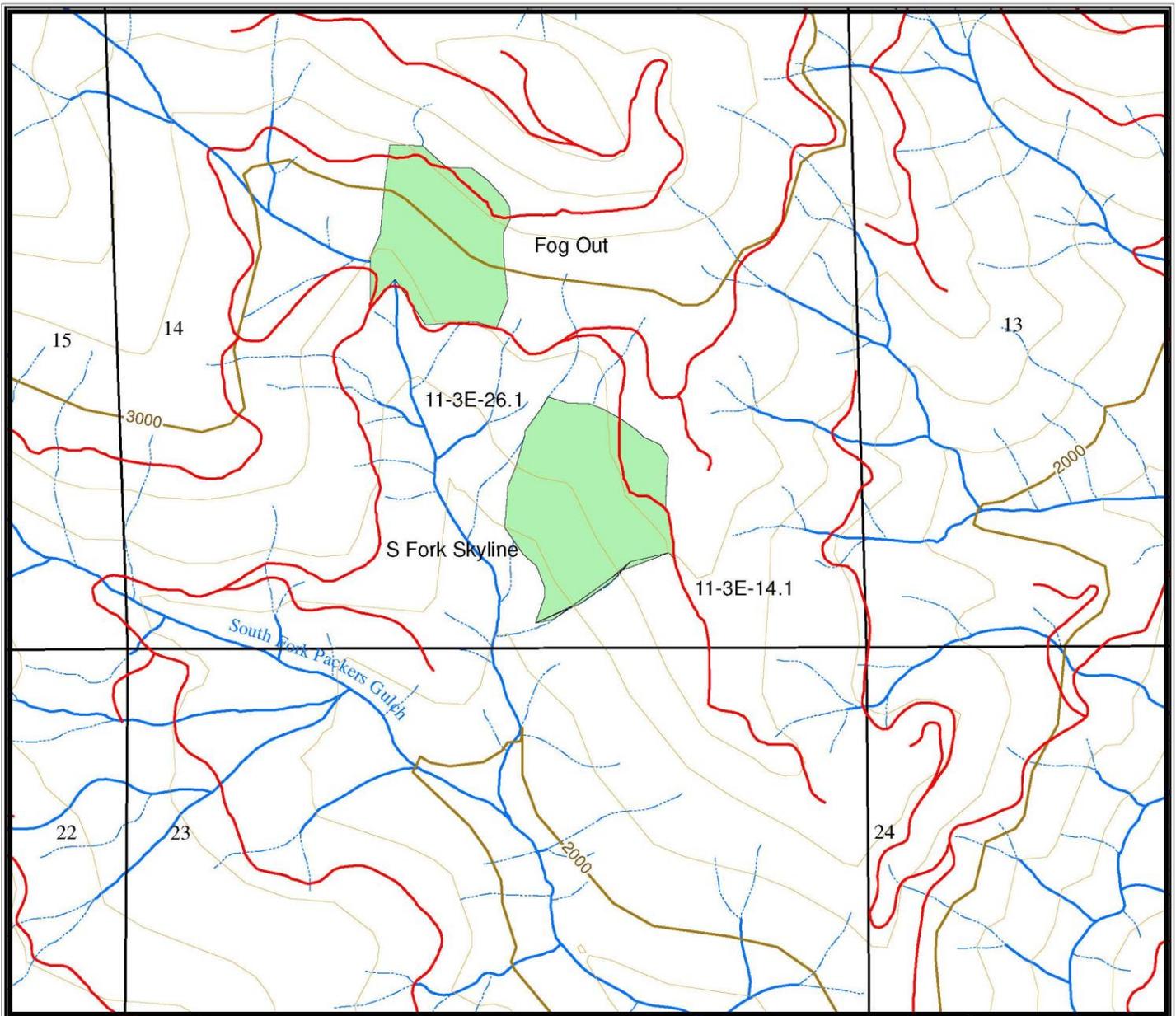
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- Intermittent
- Perennial
- Road
- Walk In Road
- Highway
- FOI bndry



Item	Unit Name	Unit#	Acres	Elevation	Age(yrs)
10	S Fork Skyline	954495-160	28	2450-2800	27
10	Fog Out	952994-172	12	2800-3100	31

Sept. 6, 2011



1,000 500 0Feet

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- Project Area
- Intermittent
- Perennial
- Road
- Walk In Road

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- Private
- Private Industrial
- FWS
- State
- Unknown
- Local Govt.
- BLM
- USFS

Contour Interval: 100'

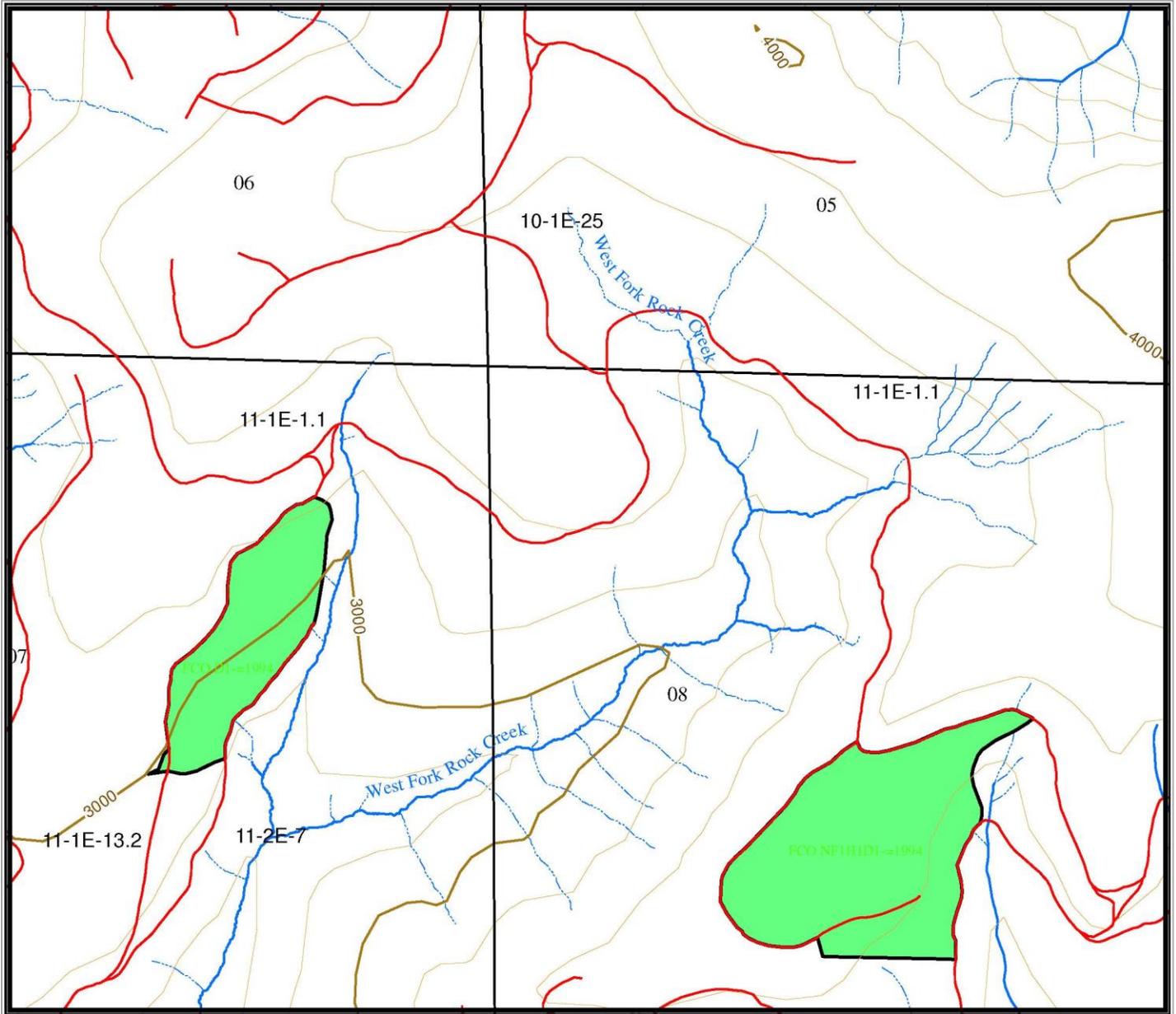


United States
 Department of the Interior
 BUREAU OF LAND MANAGEMENT
 Salem District / Cascades Resource Area

11S-02E- 7, 8

Item	Unit Name	Unit#	Acres	Elev Range (ft)	Age(yrs)
10	Strix and Stones	954003-060	22	2900-3300	22
10	Strix and Stones	954006-110	46	3350-3500	22

Sept. 6, 2011



Contour Interval: 100'

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- Intermittent
- Perennial
- Road
- Walk In Road
- Highway
- FOI bndry



Seasonal restriction for item 2, no work can be done

From March 1, 2016-July 15-2016

United States

Department of the Interior

BUREAU OF LAND MANAGEMENT

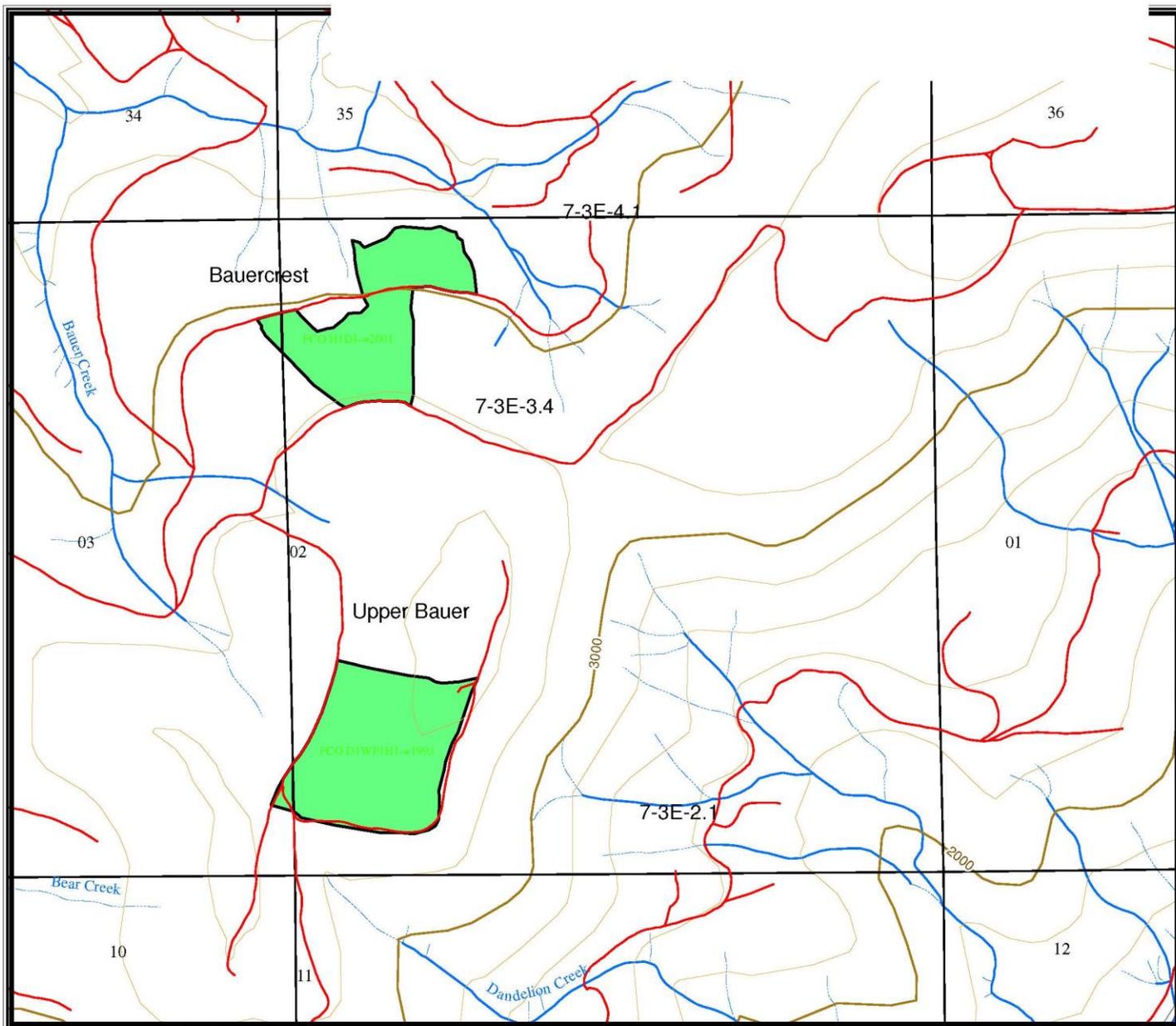
Gate key 4C66, and possibly 4C98 needed for access

Salem District / Cascades Resource Area

T07S-R03E Sec 02

Item	Unit Name	Unit #	Acres	Hex. Range (ft)	Age (yrs)
10	Upper Bauer	943131-060	33	3200-3300	23
2	Bauercrest	954134-120	28	2860-3200	14

Sept. 6, 2011



1,000 500 0Feet



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- Intermittent
- Perennial
- Road
- Walk In Road

- Highway
- FOI bndry

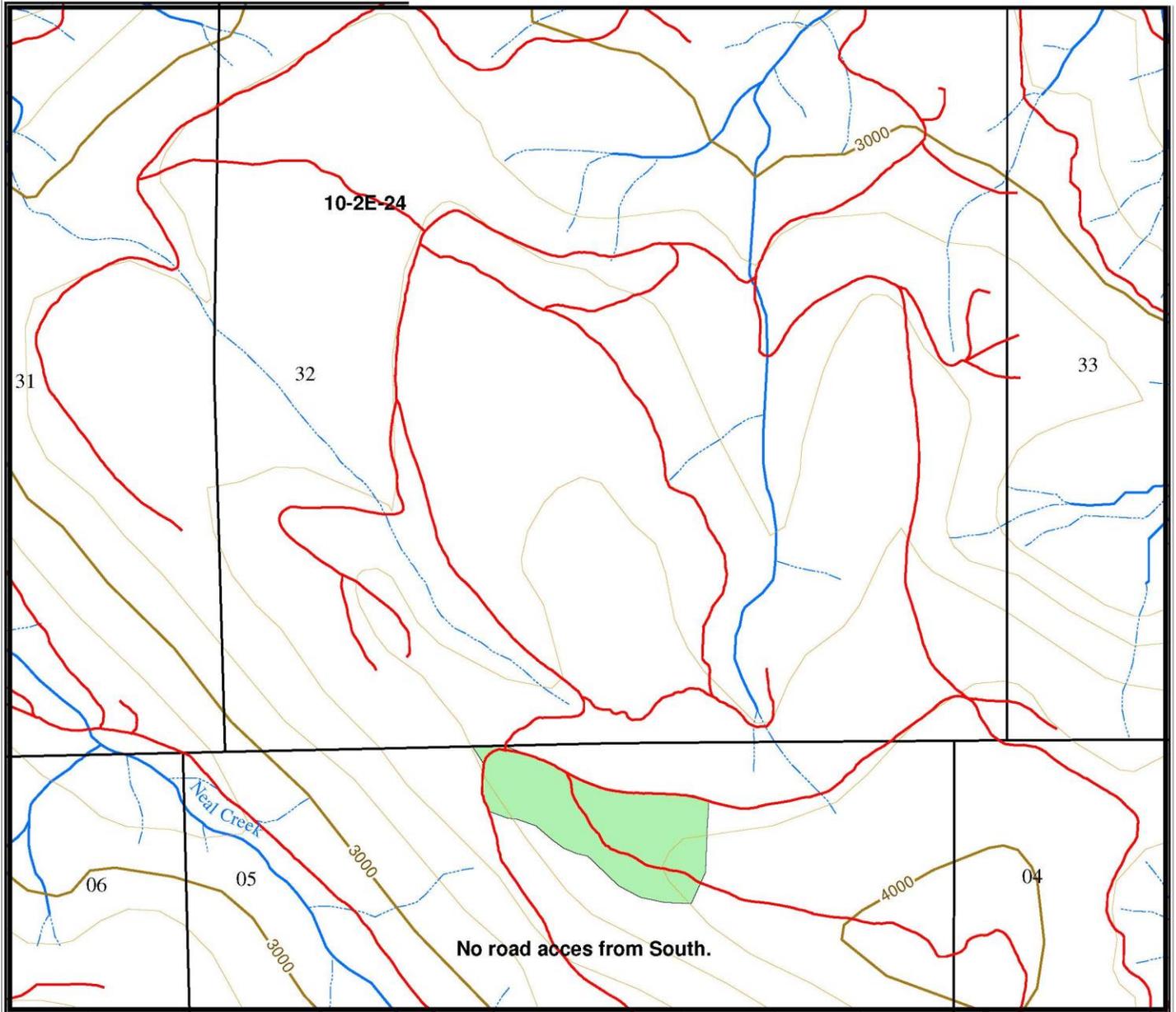
- Private
- Private Industrial
- FWS
- State
- Unknown
- Local Govt.
- BLM
- USFS

Contour Interval: 100'



Item	Unit Name	Unit #	Acres	Elev. Range (ft)	Age (yrs)
2	Upper Neal CK	9512120-020	20	3700-3800	35

Sept. 6, 2011



1,000 500 0' Feet

Contour Interval: 100'

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-  Project Area
-  Intermittent
-  Perennial
-  Road
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-  Highway

