Appendix B

Form 1 Field Data Forms (Fuel Points) with Photographic Journal

FORM 1: HAZARD ASSESSMENT – FIELD FORM

Assessment Area: Bi Y CREEK Survey point number: 1

Township: 48N Range: 83W Section: 28 GPS Rover File: R082021A

UTM Coordinates (m): E352587.59980 (m). N 4884206.63702 (m), Elevation: 7,690 (ft)

Photo ID: N 010 E 011 S 012 W 013 (Site, Disk No., Photo No.) 1 3

Date: 8/19/03 Time: 1530 Surveyor(s): J. BASS/B. LEVY

Rating Element	Class A	Class B	Class C	Element Value	Rating (A, B, C)
Slope	Flat to Little Slope (<10%)	Moderate Slope (10-30%)	Sleep Slopes (>30%)		C
Aspect	North (N, NW, NE) NW	East or Level	South and West (SE, S, SW, W)		A
Elevation	> 5500 feet	3500-5500 feet			A
Fuel Type	Small, Light Fuels (grass, weeds, shrubs)	Medium Fuels (brush, medium shrubs, small trees)	Heavy Fuels (timber, woodland, large brush or heavy planting of ornamentals)		C
Fuel Density	Non-Continuous Fuel Bed Grass and or sparse fuels adjacent to federal land (< 30% cover)	Broken Moderate Fuels adjacent to federal land (31 to 60% cover)	Continuous Fuel Bed Composition conducive to crown fires or high intensity surface fires (> 60% cover)		C
Fuel Bed Depth	Low (average < 1 foot)	Moderate (average 1- 3 feet)	High (average < 3 feet)		A
Canopy Closure	Spacing between crowns greater than 30 ft.	Spacing between crowns is 20 to 30 ft.	Spacing between crowns is less than 20 ft.		

Comments (include vegetation structure):

Fuel Model 9
Douglas Fir + Limber Pine
Numerous Doug Fir [illegible]
And Saplings
Low Amount of Dead/Down
Ladder Fuels Abundant For
Torching/Crowning
LARGEST DBH 24"

Dominant Vegetation (list 3 or 4 dominant plants):

Limber Pine
Douglas Fir
Creeping juniper

NORTH
BLM Section

Noteworthy Features

Intermitten Deseased Trees
Near GPS point. None visible
At Fuel Point
Fire Behavior will be influenced
By Seedling/Sapling Ladder Fuel
And 50-60% slope

Avg. Tree Hgt ≈ 35-40'
Tallest
Tree Height: 65'

BC03010, North
Billy Creek Survey Point 1
T48N, R83W, S28
4884206.63702N, 35258759980E, 7,690 ft. amsl

BC03011, East

BC03012, South

BC03013, West

FORM 1: HAZARD ASSESSMENT – FIELD FORM

Assessment Area: Billy Creek Survey point number: Fuel Pt. 2

Township: 48N Range: 83W Section: 19 GPS Rover File: R082023A

UTM Coordinates (m): E 342587.59980 (m). N 4884206.63702 (m), Elevation: 8,107 (ft)

Photo ID: N 001 E 002 S 003 W 004 (Site, Disk No., Photo No.) Z 2 #4

Date: 8/20/03 Time: 1720 hrs Surveyor(s): B. Levy/J. Bass

Rating Element	Class A	Class B	Class C	Element Value	Rating (A, B, C)
Slope	Flat to Little Slope (<10%)	Moderate Slope (10-30%)	Sleep Slopes (>30%)	60%	C
Aspect	North (N, NW, NE) NE	East or Level	South and West (SE, S, SW, W)		A
	> 5500 feet	3500-5500 feet	< 3500 feet		
Fuel Type	Small, Light Fuels (grass, weeds, shrubs)	Medium Fuels (brush, medium shrubs, small trees)	Heavy Fuels (timber, woodland, large brush or heavy planting of ornamentals)		C
Fuel Density	Non-Continuous Fuel Bed Grass and or sparse fuels adjacent to federal land (< 30% cover)	Broken Moderate Fuels adjacent to federal land (31 to 60% cover)	Continuous Fuel Bed Composition conducive to crown fires or high intensity surface fires (> 60% cover)		C
Fuel Bed Depth	Low (average < 1 foot)	Moderate (Dead Fuels) (average 1- 3 feet)	High (average < 3 feet)		B
Canopy Closure	Spacing between crowns greater than 30 ft.	Spacing between crowns is 20 to 30 ft.	Spacing between crowns is less than 20 ft.		C

Comments (include vegetation structure):

Fuel Model [illegible]
[illegible] W/Standing Dead,
Down/Dead, numerous Dying
and diseased Limber Pine
Intermittent Douglas Fir
Saplings @ 15-20 FT
Rock outcropings

Dominant Vegetation (list 3 or 4 dominant plants):

Limber Pine
Douglas Fir
creeping juniper

NORTH
BLM Section

Noteworthy Features

Standing Dead, Dying
and Insect Infested Limber
Pine

Avg DBH ≈ 14 in
Avg Ht. ≈ 60 FT

BC04001, North
Billy Creek Survey Point 2
T48N, R83W, S19
4886149.87795N, 349308.85674E, 8,107 ft. amsl

BC04002, East

BC04003, South

BC040043, West

FORM 1: HAZARD ASSESSMENT – FIELD FORM

Assessment Area: Billy Creek Survey point number: F.P. 03

Township: 48N Range: 83W Section: 18 GPS Rover File: R082118A

UTM Coordinates (m): E 349934.09707 (~~m~~ ft). N 4887509.44501 (~~m~~ ft), Elevation: 7,777 (ft)

Photo ID: N 009 E 010 S 011 W 012 (Site, Disk No., Photo No.) Disk 4

Date: 8/21/03 Time: 1240 hrs Surveyor(s): J. Bass/B. Levy

Rating Element	Class A	Class B	Class C	Element Value	Rating (A, B, C)
Slope	Flat to Little Slope (<10%)	Moderate Slope (10-30%)	Sleep Slopes (>30%)		B
Aspect	North (N, NW, NE)	East or Level ENE	South and West (SE, S, SW, W)		B
Elevation	> 5500 feet	3500-5500 feet	< 3500 feet		A
Fuel Type	Small, Light Fuels (grass, weeds, shrubs)	Medium Fuels (brush, medium shrubs, small trees)	Heavy Fuels (timber, woodland, large brush or heavy planting of ornamentals)		C
Fuel Density	Non-Continuous Fuel Bed Grass and or sparse fuels adjacent to federal land (< 30% cover)	Broken Moderate Fuels adjacent to federal land (31 to 60% cover)	Continuous Fuel Bed Composition conducive to crown fires or high intensity surface fires (> 60% cover)		C
Fuel Bed Depth	Low (average < 1 foot)	Moderate (average 1- 3 feet)	High (average < 3 feet)		B
Canopy Closure	Spacing between crowns greater than 30 ft.	Spacing between crowns is 20 to 30 ft.	Spacing between crowns is less than 20 ft. *See Comments		C

Comments (include vegetation structure):
Fuel Model 10 with Fire Behavior estimates increased because of standing Dead & Down/Dead 50% standing Dead/Dying Limber Pine. Moderate down/dead over 50 standing Dead Limber Pine with in 75 ft of Fuel Point Douglas Fir Seedlings Abeundant intermittent D. Fir saplings to 15 ft in height

Dominant Vegetation (list 3 or 4 dominant plants):
Standing Dead/Dying Limber Pine
Douglas Fir
Creeping juniper
D. Fir Seedlings/Saplings

NORTH
BLM Section

Noteworthy Features

Heavy Fuel Loading of standing Dead 4-14" DBH

Fuel Model 10

BC04009, North
Billy Creek Survey Point 3
T48N, R83W, S18
4887509.44501N, 349934.09707E, 7,777 ft. amsl

BC04010, East

BC04011, South

BC04012, West

FORM 1: HAZARD ASSESSMENT – FIELD FORM

Assessment Area: Billy Creek Survey point number: Fuel Point 4

Township: 48N Range: 83W Section: 18 GPS Rover File: R082119A

UTM Coordinates (m): E 350118.86585 (m). N 4887669.13123 (m), Elevation: 7,660 (ft)

Photo ID: N 014 E 015 S 016 W 017 (Site, Disk No., Photo No.)

Date: 8/21/03 Time: 1330hrs Surveyor(s): J. Bass/B. Levy

Rating Element	Class A	Class B	Class C	Element Value	Rating (A, B, C)
Slope	Flat to Little Slope (<10%)	Moderate Slope (10-30%)	Sleep Slopes (>30%)		C
Aspect	North (N, NW, NE)	East or Level	South and West (SE, S, SW, W)	SE	C
Elevation		3500-5500 feet	< 3500 feet		
Fuel Type	Small, Light Fuels (grass, weeds, shrubs)	Medium Fuels (brush, medium shrubs small trees)	Heavy Fuels (timber, woodland, large brush or heavy planting of ornamentals)		C
Fuel Density	Non-Continuous Fuel Bed Grass and or sparse fuels adjacent to federal land (< 30% cover)	Broken Moderate Fuels adjacent to federal land (31 to 60% cover)	Continuous Fuel Bed Composition conducive to crown fires or high intensity surface fires (> 60% cover)		C
Fuel Bed Depth	Low (average < 1 foot)	Moderate (average 1- 3 feet)	High (average < 3 feet)		B
Canopy Closure	Spacing between crowns greater than 30 ft.	Spacing between crowns is 20 to 30 ft.	Spacing between crowns is less than 20 ft. *	SEE comment	B

Comments (include vegetation structure):

Numerous standing dead w/ moderate down dead Douglas Fir + Limber Pine w/ seedlings + saplings to 20 FT Insect infested Limber Pine trees, sapling + seedlings

NORTH
BLM Section

Noteworthy Features

Standing Dead - Numerous 6-14" DBN

Dominant Vegetation (list 3 or 4 dominant plants):

Limber Pine
Douglas Fir
creeping juniper

Fuel Model 10

BC02017, West

The electronic file of this digital photograph is corrupted and cannot be viewed.

FORM 1: HAZARD ASSESSMENT – FIELD FORM

Assessment Area: Billy Creek Survey point number: Fuel Point #5

Township: 48N Range: 83W Section: 29 GPS Rover File: R082216A

UTM Coordinates (m): E 351229.63774 (m). N 4884824.01414 (m), Elevation: 7,709 (ft)

Photo ID: N 001 E 002 S 003 W 004 (Site, Disk No., Photo No.) 5 5

Date: 8/22/03 Time: 1010 hrs Surveyor(s): Levy/Bass

Rating Element	Class A	Class B	Class C	Element Value	Rating (A, B, C)
Slope	Flat to Little Slope (<10%)	Moderate Slope (10-30%)	Sleep Slopes (>30%)		B
Aspect	North (N, NW, NE) NW	East or Level	South and West (SE, S, SW, W)		
Elevation	> 5500 feet	3500-5500 feet	< 3500 feet		A
Fuel Type	Small, Light Fuels (grass, weeds, shrubs)	Medium Fuels (brush, medium shrubs small trees)	Heavy Fuels (timber, woodland, large brush or heavy planting of ornamentals)		C
Fuel Density	Non-Continuous Fuel Bed Grass and or sparse fuels adjacent to federal land (< 30% cover)	Broken Moderate Fuels adjacent to federal land (31 to 60% cover)	Continuous Fuel Bed Composition conducive to crown fires or high intensity surface fires (> 60% cover)		C
Fuel Bed Depth	Low (average < 1 foot)	Moderate (average 1- 3 feet)	High (average < 3 feet)		A
Canopy Closure	Spacing between crowns greater than 30 ft.	Spacing between crowns is 20 to 30 ft.	Spacing between crowns is less than 20 ft.		C

Comments (include vegetation structure):

Numerous Saplings and small ponderosa & Limber Pine provide Ladder Fuels from Heavy Needle cast and creeping juniper Ground Fuels Some small & Large Pine & Doug Fir with Dead Tops. Standing Dead will increase. Light Dead/

Dominant Vegetation (list 3 or 4 dominant plants):

Ponderosa Pine with intermittent Limber Pine and Douglas Fir and creeping juniper

NORTH
BLM Section

Noteworthy Features

overstock small Trees 4-8" DBH, 15 to 25 FT. in HT. with scattered Ponderosa & Doug Fir 7 12" DBH 50-60 FT in HT.

Fuel Model 8

BC05001, North
Billy Creek Survey Point 5
T48N, R83W, S29
4884824.01414N, 351229.63774E, 7,709 ft. amsl

BC05002, East

BC05003, South

BC05004, West

FORM 1: HAZARD ASSESSMENT – FIELD FORM

Assessment Area: Bill Survey point number: Fuel Pt. 6

Township: 48N Range: 83W Section: 30 GPS Rover File: R0822168

UTM Coordinates (m): E 350189.7112 ~~(m)~~ ft. N 4885311.79594 ~~(m)~~ ft, Elevation: 7,902 (ft)

Photo ID: N 005 E 006 S 007 W 008 (Site, Disk No., Photo No.)

Date: 8/22/03 Time: 1100 HRS Surveyor(s): Bass/Levy Disk 5

Rating Element	Class A	Class B	Class C	Element Value	Rating (A, B, C)
Slope	Flat to Little Slope (<10%)	Moderate Slope (10-30%)	Sleep Slopes (>30%)		B
Aspect	North (N, NW, NE) NNE	East or Level	South and West (SE, S. SW, W)		A
Elevation	> 5500 feet	3500-5500 feet	< 3500 feet		
Fuel Type	Small, Light Fuels (grass, weeds, shrubs)	Medium Fuels (brush, medium shrubs, small trees)	Heavy Fuels (timber, woodland, large brush or heavy planting of ornamentals)		B
Fuel Density	Non-Continuous Fuel Bed Grass and or sparse fuels adjacent to federal land (< 30% cover)	Broken Moderate Fuels adjacent to ~~federal land~~ (31 to 60% cover)	Continuous Fuel Bed Composition conducive to crown fires or high intensity surface fires (> 60% cover)		C
Fuel Bed Depth	Low (average < 1 foot)	Moderate (average 1- 3 feet)	High (average < 3 feet)		A
Canopy Closure	Spacing between crowns greater than 30 ft.	Spacing between crowns is 20 to 30 ft.	Spacing between crowns is less than 20 ft.		

Comments (include vegetation structure):

Logged AREA w/ understory of grasses, creeping juniper ponderosa seedlings good TREE Crown Spacing compared to other AREAS

NORTH
BLM Section

Noteworthy Features

Lower Fire intensity because of lighter fuel
Fuel Model: 2

Douglas Fir 14" DBH 75' Height
Ponderosa Pine 14" DBH 70' Height

Dominant Vegetation (list 3 or 4 dominant plants):

Ponderosa Pine
Douglas Fir
Limber Pine
Fescue
Wheatgrass
Orchardgrass ??

BC05005, North
Billy Creek Survey Point 6
T48N, R83W, S30
4885311.79594N, 350189.71112E, 7,902 ft. amsl

BC05006, East

BC05007, South

BC05008, West

FORM 1: HAZARD ASSESSMENT – FIELD FORM

Assessment Area: Billy Creek Survey point number: Fuel Point 7

Township: 48N Range: 83W Section: 30 GPS Rover File: R082217A

UTM Coordinates (m): E 349762.82341 (m). N 4885421.37589 (m). Elevation: 8,061 (ft)

Photo ID: N 009 E 010 S 011 W 012 (Site, Disk No., Photo No.)

Date: 8/22/03 Time: 1145 hrs Surveyor(s): Levy/Bass DISK 5

Rating Element	Class A	Class B	Class C	Element Value	Rating (A, B, C)
Slope	Flat to Little Slope (<10%)	Moderate Slope (10-30%)	Sleep Slopes (>30%)		C
Aspect	North (N, NW, NE)	East or Level	South and West (SE, S, SW, W) SE		C
Elevation	> 5500 feet	3500-5500 feet	< 3500 feet		A
Fuel Type	Small, Light Fuels (grass, weeds, shrubs)	Medium Fuels (brush, medium shrubs, small trees)	Heavy Fuels (timber, woodland, large brush or heavy planting of ornamentals)		C
Fuel Density	Non-Continuous Fuel Bed Grass and or sparse fuels adjacent to federal land (< 30% cover)	Broken Moderate Fuels adjacent to federal land (31 to 60% cover)	Continuous Fuel Bed Composition conducive to crown fires or high intensity surface fires (> 60% cover)		C
Fuel Bed Depth	Low (average < 1 foot)	Moderate (average 1- 3 feet)	High (average < 3 feet)		B
Canopy Closure	Spacing between crowns greater than 30 ft.	Spacing between crowns is 20 to 30 ft.	Spacing between crowns is less than 20 ft.		

Comments (include vegetation structure):

Heavy Down/Dead from Previous thinning (appeared to be thinning of standing dead) Numerous small Doug Fir and Doug Fir saplings Provide Ladder Fuels to Larger Doug Fir

NORTH
BLM Section

Noteworthy Features

Avg D.Fir 6-10" DBH
30-40 FT in height

Fuel Model 10

Dominant Vegetation (list 3 or 4 dominant plants):

Doug Fir
Creeping juniper
Few Small Ponderosa Pine

BC05009, North
Billy Creek Survey Point 7
T48N, R83W, S30
4885421.37589N, 349762.82341E, 8,061 ft. amsl

BC05010, East

BC05011, South

BC05012, West

FORM 1: HAZARD ASSESSMENT – FIELD FORM

Assessment Area: Billy Creek Survey point number: Fuel Point 8

Township: 48N Range: 83W Section: 17 GPS Rover File: R082219A

UTM Coordinates (m): E 351778.65975 (m). N 4887126.91985 (m), Elevation: 7698 (ft)

Photo ID: N 002 E 003 S 004 W 005 (Site, Disk No., Photo No.)

Date: 8/22/03 Time: 1325 hrs Surveyor(s): Bass/Levy DISK 6

Rating Element	Class A	Class B	Class C	Element Value	Rating (A, B, C)
Slope	Flat to Little Slope (<10%)	Moderate Slope (10-30%)	Sleep Slopes (>30%)		C
Aspect	North (N, NW, NE) N	East or Level	South and West (SE, S, SW, W)		
Elevation	> 5500 feet	3500-5500 feet	< 3500 feet		
Fuel Type	Small, Light Fuels (grass, weeds, shrubs)	Medium Fuels (brush, medium shrubs, small trees)	Heavy Fuels (timber, woodland, large brush or heavy planting of ornamentals)		C
Fuel Density	Non-Continuous Fuel Bed Grass and or sparse fuels adjacent to federal land (< 30% cover)	Broken Moderate Fuels adjacent to federal land (31 to 60% cover)	Continuous Fuel Bed Composition conducive to crown fires or high intensity surface fires (> 60% cover)		C
Fuel Bed Depth	Low (average < 1 foot)	Moderate (average 1- 3 feet)	High (average < 3 feet)		C
Canopy Closure	Spacing between crowns greater than 30 ft.	Spacing between crowns is 20 to 30 ft.	Spacing between crowns is less than 20 ft.		A

Comments (include vegetation structure):

OLD Slash in Selective Timber Sale, partial Lopped needs more Lopping to Pile + Burn F.M 12-slash

NORTH
BLM Section

Noteworthy Features

Standing Doug Fir 16-18" DBH 70-80 FT in height

Fuel Model 12 (slash)

Dominant Vegetation (list 3 or 4 dominant plants):

Douglas Fir
Limber Pine

BC06002, North
Billy Creek Survey Point 8
T48N, R83W, S17
4887126.91985N, 351778.65975E, 7,698 ft. amsl

BC06003, East

BC06004, South

BC06005, West

FORM 1: HAZARD ASSESSMENT – FIELD FORM

Assessment Area: Billy Creek Survey point number: 9

Township: 48N Range: 83W Section: 17 GPS Rover File: R082219B

UTM Coordinates (m): E 351553.90358 (m), N 4887243.88905 (m), Elevation: 7,718 (ft)

Photo ID: N 006 E 009 S 008 W 007 (Site, Disk No., Photo No.)

Date: 8/22/03 Time: 13.55 hrs Surveyor(s): Levy/Bass DISK 6

Rating Element	Class A	Class B	Class C	Element Value	Rating (A, B, C)
Slope	Flat to Little Slope (<10%)	Moderate Slope (10-30%)	Sleep Slopes (>30%)		C
Aspect	North (N, NW, NE) NE	East or Level	South and West (SE, S, SW, W)		A
Elevation	> 5500 feet	3500-5500 feet	< 3500 feet		A
Fuel Type	Small, Light Fuels (grass, weeds, shrubs)	Medium Fuels (brush, medium shrubs, small trees)	Heavy Fuels (timber, woodland, large brush or heavy planting of ornamentals)		C
Fuel Density	Non-Continuous Fuel Bed Grass and or sparse fuels adjacent to federal land (< 30% cover)	Broken Moderate Fuels adjacent to federal land (31 to 60% cover)	Continuous Fuel Bed Composition conducive to crown fires or high intensity surface fires (> 60% cover)		C
Fuel Bed Depth	Low (average < 1 foot)	Moderate (average 1- 3 feet)	High (average < 3 feet)		C
Canopy Closure	Spacing between crowns greater than 30 ft.	Spacing between crowns is 20 to 30 ft.	Spacing between crowns is less than 20 ft.		C

Comments (include vegetation structure):

Numerous overstocked
Dougfire Saplings & Seedlings
moderate Down & Dead
Moderate Standing Dead
Ladder Fuels & dead material
Willenable Torching

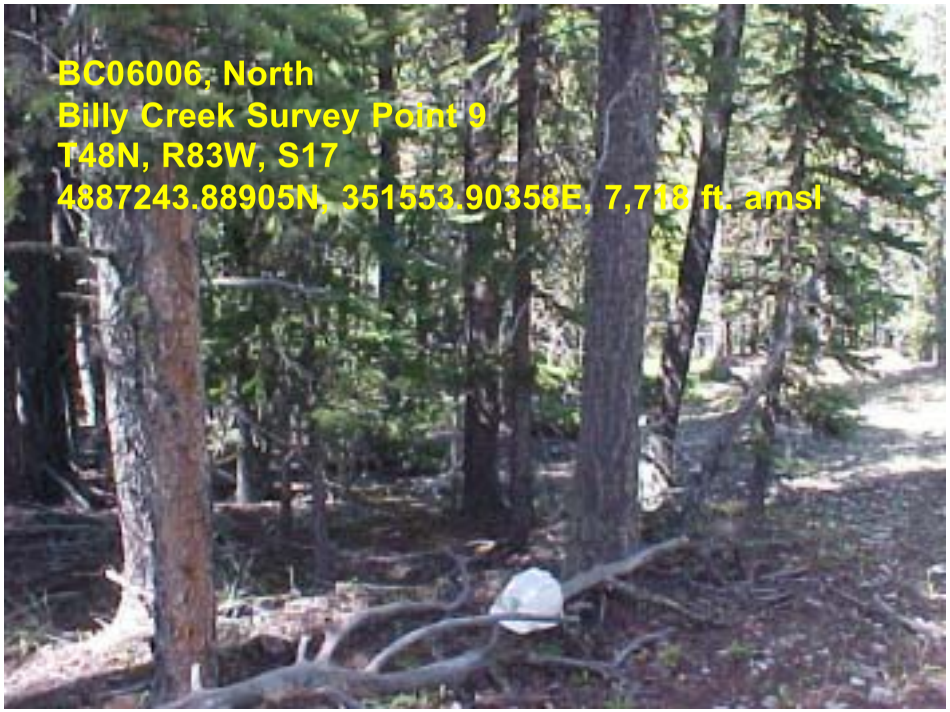
NORTH
BLM Section

Noteworthy Features

D. Fir 4-10" DBH 40 FT in ht
Limber Pine 6-12" DBH 30-50 FT
Fuel Model 10

Dominant Vegetation (list 3 or 4 dominant plants):

Douglas Fir
Limber Pine
creeping juniper


BC06006, North
Billy Creek Survey Point 9
T48N, R83W, S17
4887243.88905N, 351553.90358E, 7,718 ft. amsl

BC06009, East

BC06008, South

BC06007, West

FORM 1: HAZARD ASSESSMENT – FIELD FORM

Assessment Area: Bill Creek Survey point number: #10

Township: 48N Range: 83W Section: 20 GPS Rover File: R082221A

UTM Coordinates (m): E 352177.49492 (m). N 4886286.42470 (m), Elevation: 7627 (ft)

Photo ID: N 010 (D6) E 011 (D6) S 012 (D6) W 001 (D7) (Site, Disk No., Photo No.)

Date: 8/22/03 Time: 15:20 Surveyor(s): Levy / Bass DISK 6 & 7

Rating Element	Class A	Class B	Class C	Element Value	Rating (A, B, C)
Slope	Flat to Little Slope (<10%)	Moderate Slope (10-30%)	Sleep Slopes (>30%)		B
Aspect	North (N, NW, NE)	East or Level	South and West (SE, S, SW, W) W		C
Elevation	> 5500 feet	3500-5500 feet	< 3500 feet		A
Fuel Type	Small, Light Fuels (grass, weeds, shrubs)	Medium Fuels (brush, medium shrubs, small trees)	Heavy Fuels (timber, woodland, large brush or heavy planting of ornamentals)		C
Fuel Density	Non-Continuous Fuel Bed Grass and or sparse fuels adjacent to federal land (< 30% cover)	Broken Moderate Fuels adjacent to federal land (31 to 60% cover)	Continuous Fuel Bed Composition conducive to crown fires or high intensity surface fires (> 60% cover)		C
Fuel Bed Depth	Low (average < 1 foot)	Moderate (average 1- 3 feet)	High (average < 3 feet)		A
Canopy Closure	Spacing between crowns greater than 30 ft.	Spacing between crowns is 20 to 30 ft.	Spacing between crowns is less than 20 ft.		C

Comments (include vegetation structure):

Numerous overstocked Ponderosa Pine + Ponderosa Pine saplings In need of thinning Close canopy, ladder fuels will promote torching/crowning Moderate Down/Dead

NORTH
BLM Section

Noteworthy Features

Ponderosa Pine 2"-10" DBH 20-40' in height

Fuel Model 9

Dominant Vegetation (list 3 or 4 dominant plants):

Ponderosa Pine
creeping juniper
Fescue

BC06010, North
Billy Creek Survey Point 10
T48N, R83W, S20
4886286.42470N, 352177.49492E, 7,627 ft. amsl

BC06011, East

BC06012, South

BC07001, West