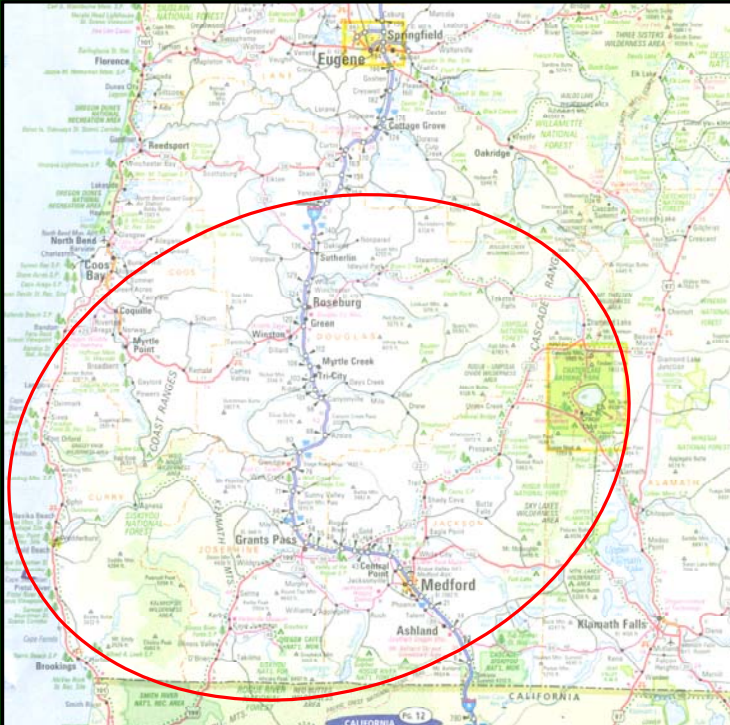


Cow Creek (Oregon) CROP

***A Summary of CROP Landscape Analyses Results
for the
Cow Creek Band of Umpqua Tribe of Indians***

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Cow Creek CROP: Myrtle Creek, OR (centerpoint) (40 miles N; 70 miles S; 60 miles E; 80 miles W)



- *2 National Forests*
- *8 Ranger Districts*
- *4 BLM Districts*
- *3 Counties*
- *State Lands*
- *Private Lands*

Cow Creek (Oregon) CROP

Species	mmbf	
	Industry (89%)	NIPF (11%)
Douglas fir: 5-yr = 2,761.19 mmbf (65%)	2,450.99	310.2
Incense Cedar: 5-yr = 46.59 mmbf (1%)	41	5.59
Lodgepole pine: 5-yr = 13.23 mmbf (<1%)	12.91	.32
Maple: 5-yr = 7.68 mmbf (<1%)	6.93	.75
Noble fir: 5-yr = .13 mmbf (<1%)	.12	.01
Oak: 5-yr = .09 mmbf (<1%)	.08	.01
Other conifers: 5-yr = 286.28 mmbf (7%)	253.69	32.59
Other hardwoods: 5-yr = 96.97 mmbf (2%)	86.44	10.53
Port Orford cedar: 5-yr = 26.63 mmbf (<1%)	23.96	2.67
Ponderosa pine: 5-yr = 96.77 mmbf (2%)	87.66	9.11
Alder: 5-yr = 171.66 mmbf (4%)	152.54	19.12
Sitka spruce: 5-yr = 68.67 mmbf (2%)	61.94	6.73
Sugar pine: 5-yr = 31.75 mmbf (<1%)	25.2	6.55
White fir: 5-yr = 253 mmbf (6%)	225.9	27.1
Western hemlock: 5-yr = 309.58 mmbf (7%)	277.29	32.29
Western red cedar: 5-yr = 47.95 mmbf (1%)	43.27	4.68
White pine: 5-yr = .09 mmbf (<1%)	.08	.01
Tanoak: 5-yr = 27.7 mmbf (<1%)	23.03	4.67
Totals	3,773.03	472.93

Historical Performance

*Private lands 2001 – 2005
(in CROP landscape)*

Total 5-yr = 4,295.96 mmbf

National Forests: 8 Ranger Districts

- **Rogue River/Siskiyou NF:**

Cascade Zone: Prospect/Butte Falls RDs
Siskiyou Zone: Ashland/Applegate RDs
Two Rivers Zone: Galice/Illinois Valley RDs
Pacific Zone: Chetco/Gold Beach RDs
Powers RD

- **Umpqua NF:**

Diamond Lake RD
North Umpqua RD
Tiller RD

4 BLM Districts:

- Eugene
- Coos Bay
- Roseburg
- Medford

3 Counties:

- Douglas
- Coos
- Josephine

What we asked for:

- **Volume** (by mmbf, green tons, ccf, etc.)
 - **Diameter sizes** <4" 4"-7" 7"-9" 9"-12" >12"
 - **Species** (all species evaluated for resource flow)
 - **Harvest "type"**: fuel load reduction, timber sale, etc.
 - **Location** of resource offering
-
- **NEPA Phase**
 - **Road accessibility**
- } USFS Pilots

**So, let's take a look at
the final results . . .**

Overall:

Year	Total Biomass (1,180,497 gT)	% of 5-yr volume
2007	217,891	18%
2008	240,068	20%
2009	236,526	20%
2010	245,814	21%
2011	240,198	20%

*Biomass = 15%
(up to 7" dbh)*

Total Small Log (637.63 mmbf)	% of 5-yr volume
137.12	21%
119.15	19%
120.73	19%
130.76	20%
129.84	20%

*Small Logs = 40%
(>7" – 12" dbh)*

Total Large Log (713.4 mmbf)	% of 5-yr volume
137.1	19%
127.4	18%
156.95	22%
153.07	21%
138.84	19%

*Large Logs = 45%
(>12" dbh)*

Who's providing what?

Agency	5-yr total <i>Biomass (gT)</i>	5-yr total <i>Small Log (mmbf)</i>	5-yr total <i>Large Log (mmbf)</i>	% of 5-yr total
OR-BLM	894,300	457.84	320.144	60%
Umpqua NF	28,706.5	50.05	85.48	9%
Rogue River/Siskiyou NF	227,450	75	175	19%
OR Counties	11,250	20.916	44.98	4%
ODOT	0	0	.09	<1%
OR DSL	18,228	32.8	85	8%
OR DOF	562.5	1.02	2.63	<1%

Is there a change?

Rogue River/Siskiyou NF

... a slight reduction (<1%)
in planned volume removal.

	'01-'05 (mmbf)	'07-'11 (mmbf; includes gT)
<i>Incense cedar</i>	.00639	0
<i>Port Orford cedar</i>	.26363	0
<i>Western red cedar</i>	2.43277	0
<i>Other conifers</i>	33.17786	0
<i>Douglas fir</i>	97.72054	295.49
<i>Noble fir</i>	.96536	0
<i>Shasta fir</i>	11.58568	0
<i>White fir</i>	.10971	0
<i>Mtn. hemlock</i>	.035	0
<i>Western hemlock</i>	.0054	0
<i>Western larch</i>	2.59779	0
<i>Pine</i>	1.40218	0
<i>Lodgepole pine</i>	2.44608	0
<i>Ponderosa pine</i>	.002	0
<i>Ponderosa pine/juniper</i>	115.9724	0
<i>Sugar pine</i>	36.77801	0
Total	305.5008	295.49

Is there a change? *Yes!*

Umpqua NF

... a more impactful change for the Umpqua NF (almost 200% change in planned volume removal).

	'01-'05 (mmbf)	'07-'11 (mmbf; includes gT)
<i>Incense cedar</i>	1.363	2.78
<i>Western red cedar</i>	.02397	3.03
<i>Other conifers</i>	6.27807	1.1
<i>Douglas fir</i>	34.79916	105.15
<i>Shasta fir</i>	0	3.23895
<i>True fir</i>	.23499	0
<i>White fir</i>	.00083	0
<i>Mtn. hemlock</i>	2.6	0
<i>Western hemlock</i>	1.56041	12.37
<i>Lodgepole pine</i>	.12539	6
<i>Ponderosa pine</i>	0	3.48
<i>Sugar pine</i>	.92	2.8
<i>White pine</i>	0	1.3296
Total	47.90582	141.28

Rogue River/Siskiyou NF: (gT= 227,450; Small log = 75 mmbf; Large log = 175 mmbf)

Ranger Districts	5-yr total (Biomass = gT)	5-yr total Small log (mmbf)	5-yr total Large log (mmbf)
Cascade Zone (Prospect/Butte Falls)	58,750	26.4	61.6
Siskiyou Zone (Ashland/Applegate)	50,250	9.3	21.7
Two Rivers Zone (Galice/Illinois Valley)	47,750	7.5	17.5
Pacific Zone (Chetco/Gold Beach)	51,950	22.5	52.5
Power	18,750	9.3	21.7

Umpqua NF: (gT= 28,706; Small log = 50.05 mmbf; Large log = 85.48 mmbf)

Ranger Districts	5-yr total (Biomass = gT)	5-yr total Small log (mmbf)	5-yr total Large log (mmbf)
Diamond Lake	5,485	18.84	21
North Umpqua	8,301.44	15.74	11.08
Tiller	14,920	15.46	53.4

OR BLM: (gT= 894,300; Small log = 457.84 mmbf; Large log = 320.14 mmbf)

Field Offices	5-yr total (Biomass = gT)	5-yr total Small log (mmbf)	5-yr total Large log (mmbf)
Eugene	3,000	3.5	1
Coos Bay	3,000	149.62	49.87
Roseburg	23,000	128.08	58.46
Medford	865,300	176.63	210.80

OR Counties: (gT= 11,250; Small log = 20.91 mmbf; Large log = 44.98 mmbf)

Counties	5-yr total (Biomass = gT)	5-yr total Small log (mmbf)	5-yr total Large log (mmbf)
Douglas	0	0	7.5
Coos	11,250	15.75	27
Josephine	0	5.16	10.48

OR Agencies: (gT= 18,790.7; Small log = 33.82 mmbf; Large log = 87.78 mmbf)

Agency	5-yr total (Biomass = gT)	5-yr total Small log (mmbf)	5-yr total Large log (mmbf)
ODOT	0	0	.0975
DSL	18,228.25	32.81	85.06
ODF	562.5	1.012	2.625

Cow Creek (Oregon) CROP

<i>By Species*</i>		5-yr total (Biomass = gT)	5-yr total Small log (mmbf)	5-yr total Large log (mmbf)
Douglas fir	(81% of 5-yr. total)	792,115.47	529.3	604.83
White fir	(4% of 5-yr. total)	52,856.8	25.64	30.46
Western hemlock	(3% of 5-yr. total)	5,844	25.09	20.16
Madrone	(3% of 5-yr. total)	124,692	9.84	6.02
Pine species	(2% of 5-yr. total)	40,764	8.2	11.579
Ponderosa pine	(1% of 5-yr. total)	45,623	6.41	5.171
Red Alder	(1% of 5-yr. total)	876	6.42	5.73
Sitka spruce	(1% of 5-yr. total)	2,812.5	3.93	7.68
Incense cedar	(1% of 5-yr. total)	13,629	3.01	3.0
Tanoak	(1% of 5-yr. total)	50,673	6.17	4.35
Chinkapin	(1% of 5-yr. total)	27,537.87	1.961	1.779

**22 species analyzed in CROP, but only half comprise 99% of the total 5-yr volume*

So . . . What does all this mean?

- 1) Necessary value-add component looks quite favorable to help finance access to biomass;

. . . and

- 2) Biomass volume looks equally compelling for energy investment projects in this CROP landscape.

Value-added processing:

- A fairly good picture for small log processing emerges as sufficient volume/yr of ~130 mmbf of small logs (>7"-12" dbh) is planned for removal during the next 5-yr and 72% of that volume is coming from BLM lands.
- A sufficient volume (~143 mmbf/yr) of large logs (>12") is planned for removal during the next 5-yr to support existing milling operations in the area. As with small logs, ~50% of the total large log volume will also be supplied from BLM lands.

(% of total species volume)	(small log)		(large log)
	>7"-9"	>9"-12"	>12"
<i>Douglas fir</i>	11%	30%	47%
<i>White fir</i>	10%	28%	46%
<i>Western hemlock</i>	7%	47%	43%
<i>Madrone</i>	14%	10%	15%
<i>Pine species</i>	14%	15%	41%
<i>Ponderosa pine</i>	13%	18%	25%
<i>Red alder</i>	0%	52%	46%
<i>Sitka spruce</i>	9%	23%	63%
<i>Incense cedar</i>	13%	21%	34%
<i>Tanoak</i>	10%	20%	21%
<i>Chinkapin</i>	13%	8%	19%

Biomass removal volume sufficient to invite new investment interest to the area:

- Projected biomass volume of ~236,000 gT/yr as a conservative baseline to be removed;
- **76%** of volume coming from the Medford BLM office;
- Volume of biomass more than sufficient to support a 13 MW power plant that would use ~160,000 gT/yr. of biomass.

Resource Offering Maps (ROMS):

Here's what you get for each species . . .

- ✓ Who will supply?
- ✓ When will supply be offered?
- ✓ How much will be offered?
- ✓ What diameter size will it be offered in?
- ✓ Will supply be consistent and levelized over time to invite purchase and investment?

For each species:

- ✓ *Locator map* per specific supplier
- ✓ *Summary sheet*
- ✓ *Detailed supply breakouts* by volume, diameter, and year

*Let's look at Douglas Fir
as an example . . .*

Cow Creek (Oregon) CROP

Cow Creek: **Douglas Fir** CROP offering/removal '07 – '11
(gT = 792,115 / S = 529,305 mmbf / L = 604.83 mmbf)

ROM # DF 1.1

DF = Douglas fir

Rogue River-Siskiyou NF:

- A *Cascade Zone: Prospect/Butte Falls RDs*
- B *Siskiyou Zone: Ashland/Applegate RDs*
- C *Two Rivers Zone: Galice/Illinois Valley RDs*
- D *Pacific Zone: Chetco/Gold Beach RDs*
- E *Powers RD*

Umpqua NF:

- F *Diamond Lake RD*
- G *North Umpqua RD*
- H *Tiller RD*

OR-FM:

- I *Eugene FO*
- J *Coos Bay FO*
- K *Roseburg FO*
- L *Medford FO*

DSL:

- M *DSL*

OR-Counties:

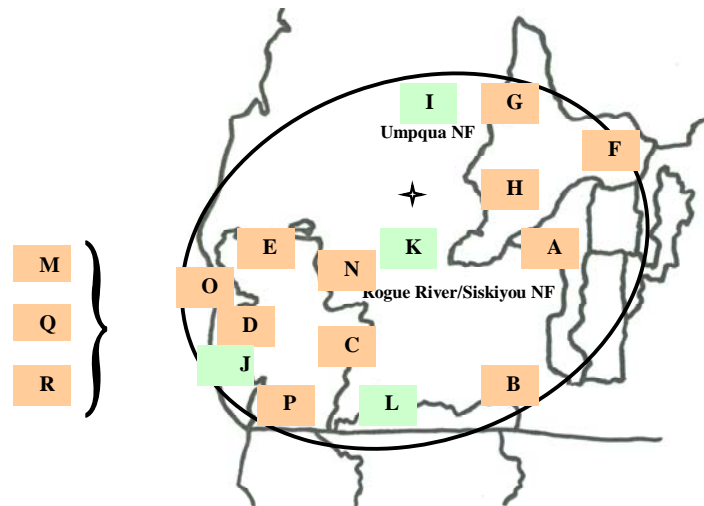
- N *Douglas Co.*
- O *Coos Co.*
- P *Josephine Co.*

ODF:

- Q *ODF*

ODOT:

- R *ODOT*



Locater Map

*italics/bold = species offering in CROP

Cow Creek (Oregon) CROP

Summary Sheet

Cow Creek: Douglas Fir CROP offering/removal '07 - '11
 (gT = 792,115 / S = 529.305 mmbf / L = 604.83 mmbf)

ROM # DF 1

gT = green tons (up to <7" dbh)
 S = small log mmbf (>7"-12" dbh)
 L = large log mmbf (>12" dbh)

ODOT: <1%
 (gT = 0 / S = 0 / L = .02925)

OR-Counties: 3 Counties 3%
 (gT = 5,625 / S = 12.78 / L = 29.089)

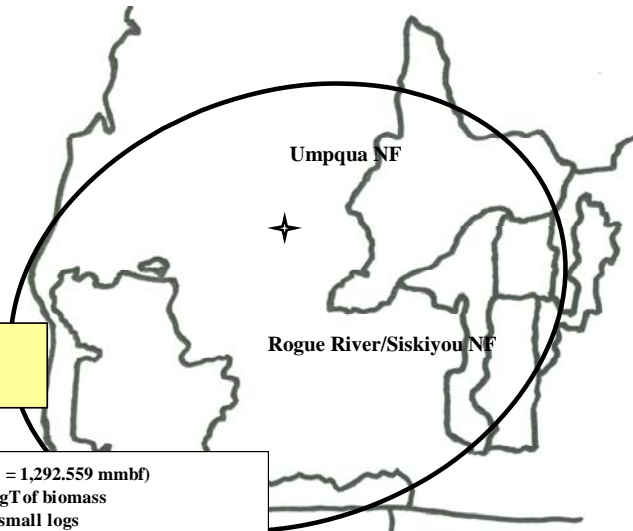
DSL: 8%
 (gT = 16,510 / S = 29.709 / L = 77.05)

Umpqua NF: 3 RDs 8%
 (gT = 16,846 / S = 32.33 / L = 69.45)

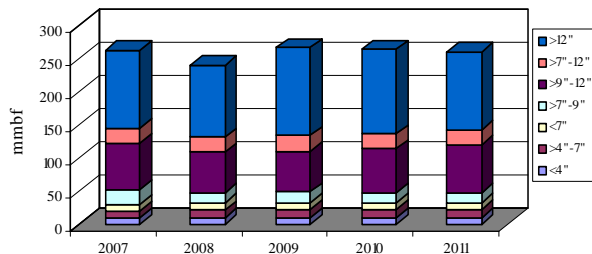
Rogue River-Siskiyou NF: 23%
 (gT = 227,450 / S = 75 / L = 175)

ODF: <1%
 (gT = 506 / S = .911 / L = 2.362)

OR-BLM: 4 FOs 57%
 (gT = 525,177 / S = 378.56 / L = 251.85)



All Agencies: Douglas Fir (5-yr total = 1,292.559 mmbf)
 158.423 mmbf is <7" = 792,115 gT of biomass
 529.305 mmbf is >7"-12" = small logs
 604.83 mmbf is >12" = large logs

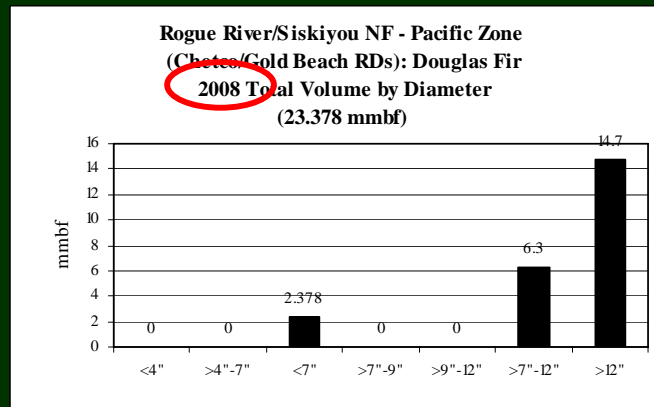


	gT	mmbf	
	Biomass	Small Log	Large Log
2007	151215.205	115.4036448	116.3199892
2008	158076.38	99.33839479	108.8486692
2009	159659.255	101.4722448	133.4465192
2010	162557.78	103.6200948	127.9324692
2011	160606.855	109.4710948	118.2826692
Totals	792115.475	529.3054739	604.8303161
%	12%	41%	47%
mmbf	158.423095		

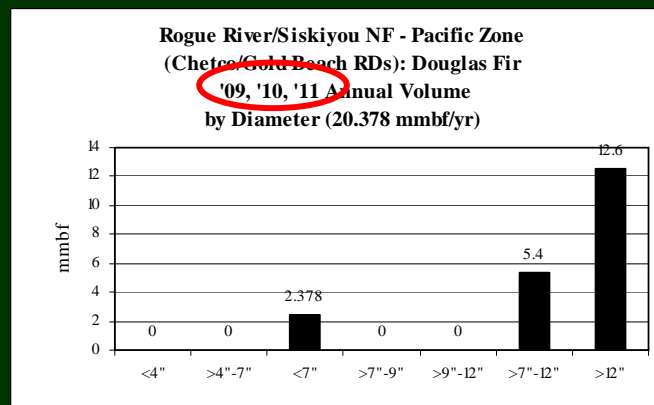
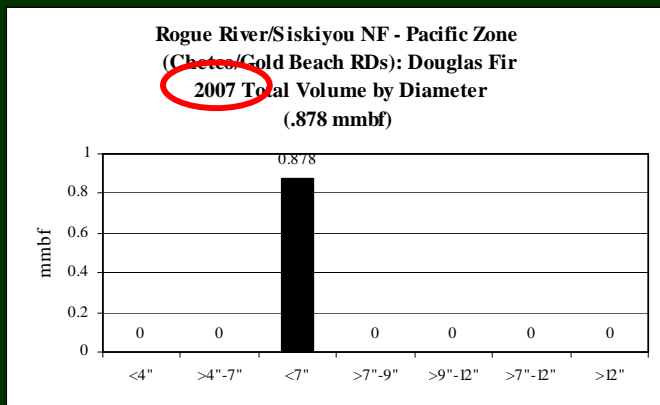
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Detailed Breakout by Supplier *k* (Oregon) CROP

Douglas Fir Rogue River/Siskiyou NF: Pacific Zone (Chetco/Gold Beach RDs)	5-yr = 85.39 mmbf
	<ul style="list-style-type: none"> Unlevel supply in '07; fairly level '08-'11
gT = 51,950	<ul style="list-style-type: none"> <4" = 0% (0 mmbf) >4"-7" = 0% (0 mmbf) <7" = 12% (10.39 mmbf)
S = .22.5	<ul style="list-style-type: none"> >7"-9" = 0% (0 mmbf) >9"-12" = 0% (0 mmbf) >7"-12" = 26% (22.5 mmbf)
L = .52.5	<ul style="list-style-type: none"> >12" = 61% (52.5 mmbf)



'07 - '11



SO . . . with CROP, we're able to look at:

- *performance between different public agencies* to identify needed coordination of supply; and
- *performance between ranger districts in a single NF* to see where coordination of supply offering might be needed .

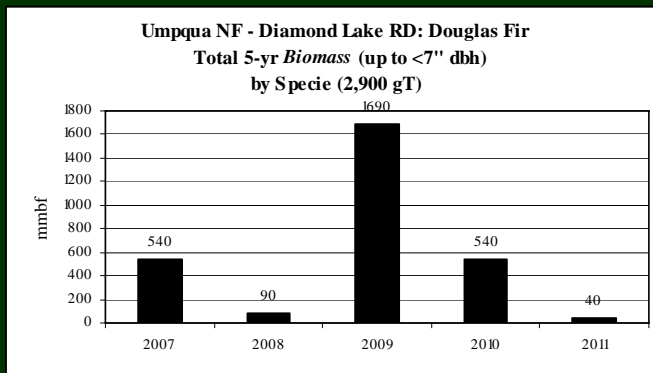
Let's take a look ...

Cow Creek (Oregon) CROP

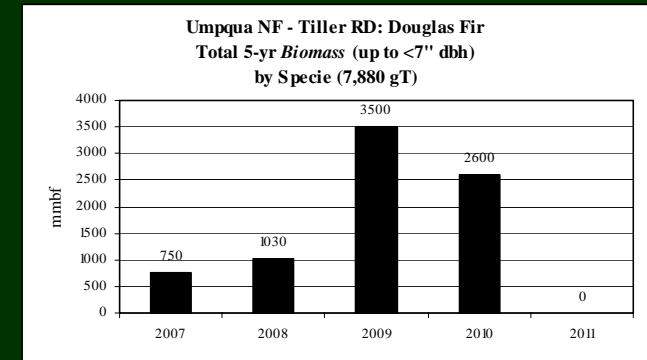
Douglas Fir: Umpqua - NF 3 RDs – *biomass offerings*

(% of NF offering of 16,846.4 gT)

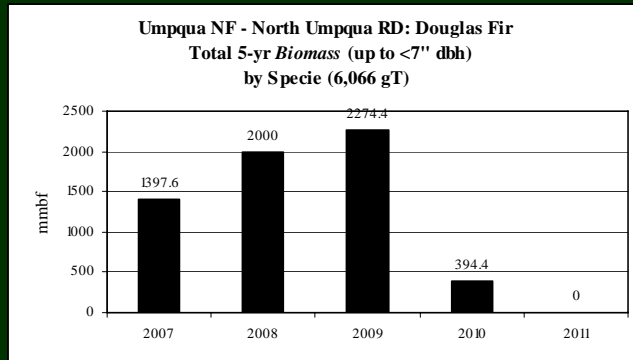
Diamond Lake RD - 17%



Tiller RD - 47%



North Umpqua RD - 36%

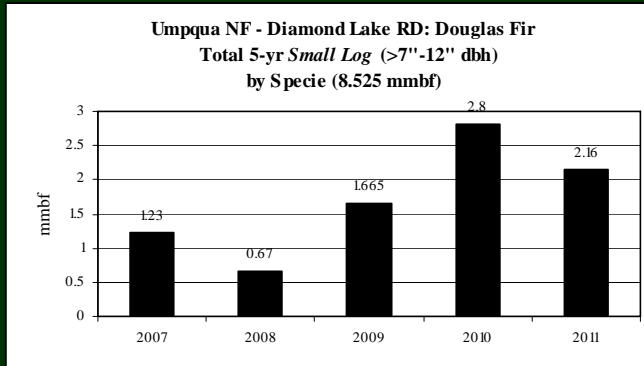


**Unlevelized supply
in all RDs**

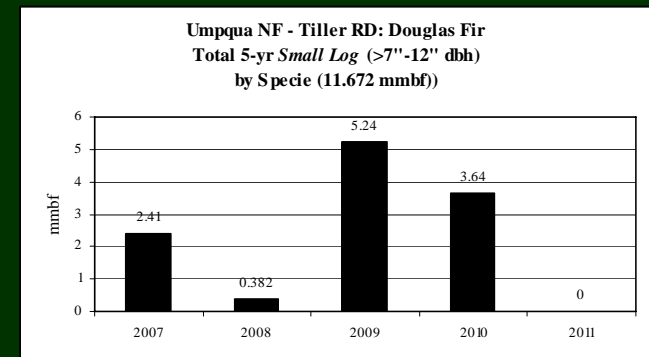
Cow Creek (Oregon) CROP

Douglas Fir: Umpqua NF 3 RDs – small log offerings (% of NF offering of 32.33 mmbf)

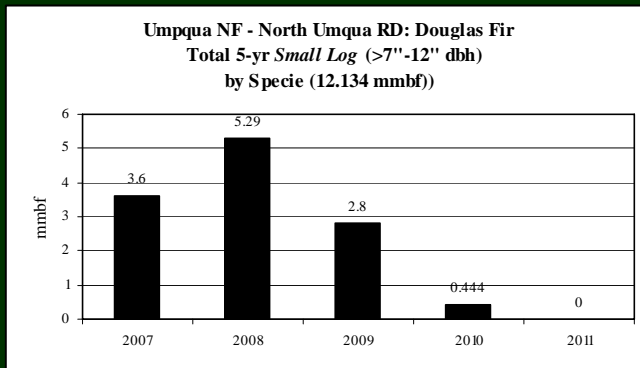
Diamond Lake RD - 26%



Tiller RD - 36%



North Umpqua RD - 38%

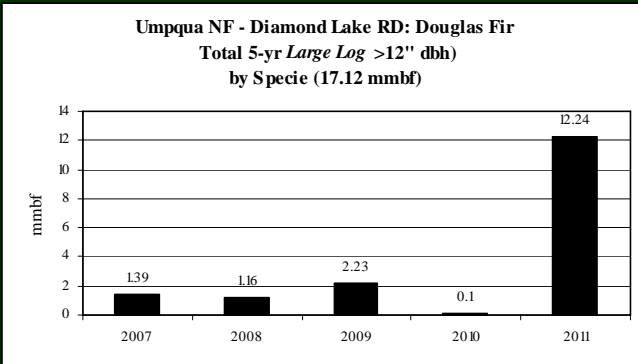


**Again, unlevelized
supply in all RDs**

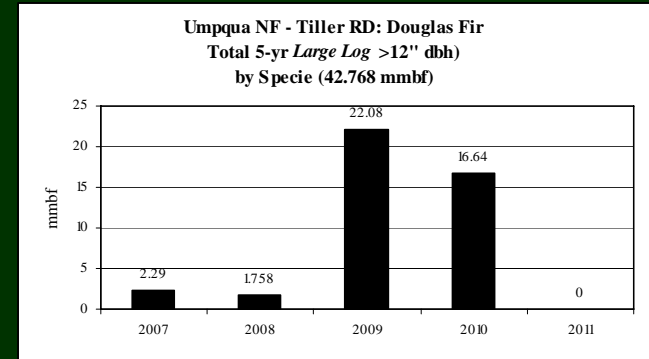
Cow Creek (Oregon) CROP

Douglas Fir: Umpqua NF 3 RDs - large log offerings (% of NF offering of 69.45 mmbf)

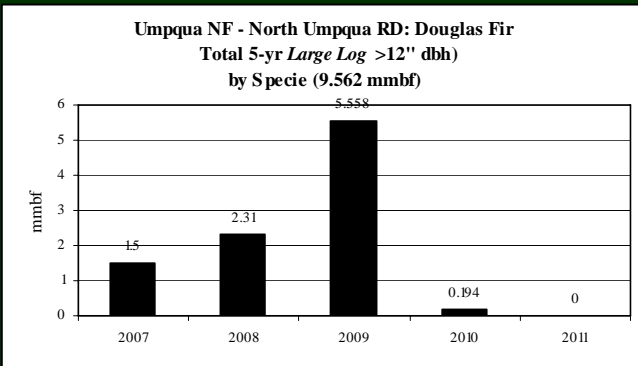
Diamond Lake RD - 25%



Tiller RD - 62%



North Umpqua RD - 13%



**Unlevelized supply
in all RDs also here**

How levelized will the supply be for all suppliers of Douglas fir compared to other species offering?

Let's take a look . . .

Levelized supply for five years?

(R = relatively)

(% of total CROP vol.)	gT Biomass		Small Logs		Large Logs	
	yes	no	yes	no	yes	no
<i>Douglas fir</i> (81%)	✓			✓		✓
<i>White fir</i> (4%)	R		✓		R	
<i>Western hemlock</i> (3%)		✓		✓		✓
<i>Madrone</i> (3%)		✓		✓		✓
<i>Pine species</i> (2%)		✓		✓		✓
<i>Ponderosa pine</i> (1%)		✓		✓	R	
<i>Red alder</i> (1%)	✓			✓	R	
<i>Sitka spruce</i> (1%)	✓		✓		R	
<i>Incense cedar</i> (1%)		✓		✓		✓
<i>Tanoak</i> (1%)	R		R		R	
<i>Chinkapin</i> (1%)	R		R			✓

Looking at the Douglas Fir . . .

- ✓ There will be a relatively levelized supply of green tonnage biomass in this specie offering over the next five years. Variations range from 151,000 to 162,000 gT per year.
- ✓ This will impact almost 60% of the total biomass volume for all species to be offered in the CROP landscape.
- ✓ There will be a an unlevelized supply of small and large log volume in this specie offering in the CROP landscape that will affect 65% of the total small log volume and 81% of the total large log volume.

Here's how it looks on an agency-by-agency basis . . .

Cow Creek (Oregon) CROP

		Douglas Fir (1,292.55 mmbf; includes gT)		
		Biomass	Small log	Large log
OR-BLM	(60% of 5-yr vol.)			
	Eugene	N	N	N
	Coos Bay	O	N	R
	Roseburg	Y	Y	Y
	Medford	R	R	N
Rogue River/Siskiyou NF	(19% of 5-yr vol.)			
	Cascade Zone	R	N	N
	Siskiyou Zone	R	N	N
	Two Rivers Zone	Y	Y	Y
	Pacific Zone	N	R	N
	Powers	Y	R	R
Umpqua NF	(9% of 5-yr vol.)			
	Diamond Lake	N	N	N
	North Umpqua	N	N	N
	Tiller	N	N	N
ODOT	(<1% of 5-yr vol.)	O	O	Y
OR DOF	(<1% of 5-yr vol.)	Y	Y	Y
OR DSL	(8% of 5-yr vol.)	Y	Y	Y
Counties	(4% of 5-yr vol.)			
	Douglas	O	O	N
	Coos	Y	Y	Y
	Josephine	O	Y	Y

Levelized Annual Supply? (Total 5-yr volume)

- Y = yes*
- N = no*
- R = relatively*
- O = no offering*

Levelized Supply? Douglas Fir – biomass (792,115 gT)

R = relatively

NS = no supply offering

	yes	no	Comments
Overall	✓		from 151,000 - 162,000 gT/yr
OR BLM			
Eugene		✓	only offered 1 year
Coos Bay			NS
Roseburg	✓		4,140 gT/yr
Medford	R		from 93,000 - 102,000 gT/yr
OR DOF	✓		101.25 gT/yr
Rogue River/Siskiyou NF			
Cascade Zone	R		from 10,000 - 15,000 gT/yr
Siskiyou Zone	R		from 9,500 - 12,000 gT/yr
Two Rivers Zone	✓		9,550 gT/yr
Pacific Zone		✓	from 4,300 - 11,000 gT/yr
Powers RD	✓		3,750 gT/yr

	yes	no	Comments
UmpquaNF			
Diamond Lake		✓	from 90 - 1,690 gT/yr
North Umpqua		✓	from 394 - 2,200 gT/yr
Tiller		✓	from 0 - 3,500 gT/yr
ODOT			NS
OR: DSL	✓		3,302 gT/yr
Counties:			
Douglas			NS
Coos	✓		.225 gT/yr
Josephine			NS

Levelized Supply? Douglas Fir – small log (529.3 mmbf)

R = relatively

NS = no supply offering

	yes	no	Comments
Overall		✓	from 25 - 33 mmbf variations/yr
OR BLM			
Eugene		✓	.054 mmbf for 2011 only
Coos Bay		✓	from 21 mmbf/yr to 32 mmbf/yr
Roseburg	✓		23.45 mmbf/yr
Medford	R		from 22 mmbf to 33 mmbf/yr
OR DOF	✓		.182 mmbf/yr
Rogue River/Siskiyou NF			
Cascade Zone		✓	from 3.9 mmbf to 9 mmbf/yr
Siskiyou Zone		✓	from 1.5 mmbf to 3 mmbf/yr
Two Rivers Zone	✓		1.5 mmbf/yr
Pacific Zone	R		from 5.4 mmbf to 6.3 mmbf/yr
Powers RD	R		from 1.5 mmbf to 2.1 mmbf/yr

	yes	no	Comments
UmpquaNF			
Diamond Lake		✓	from .67 mmbf to 2.16 mmbf/yr
North Umpqua		✓	from 0 mmbf to 5 mmbf/yr
Tiller		✓	from 0 mmbf to 5.24 mmbf/yr
ODOT	NS		
OR: DSL	✓		5.94 mmbf/yr
Counties:			
Douglas	NS		
Coos	✓		1.57 mmbf/yr
Josephine	✓		.981 mmbf/yr

Levelized Supply? Douglas Fir – large log (604.8 mmbf)

R = relatively

NS = no supply offering

	yes	no	Comments
Overall		✓	from 21-29 mmbf variations/yr
OR BLM			
Eugene		✓	.014 mmbf for 2011 only
Coos Bay	R		from 7 mmbf to 10 mmbf
Roseburg	✓		10 mmbf/yr
Medford		✓	from 29 mmbf/yr to 37 mmbf/yr
OR DOF	✓		.675 mmbf/yr
Rogue River/Siskiyou NF			
Cascade Zone		✓	from 9 mmbf to 21 mmbf/yr
Siskiyou Zone		✓	from 3.5 mmbf to 7 mmbf/yr
Two Rivers Zone	✓		3.5 mmbf/yr
Pacific Zone		✓	from 0 mmbf to 14.7 mmbf/yr
Powers RD	R		from 3.5 mmbf to 4.9 mmbf/yr

	yes	no	Comments
UmpquaNF			
Diamond Lake		✓	from .1 mmbf to 12.2 mmbf/yr
North Umpqua		✓	from 0 mmbf to 5.5 mmbf/yr
Tiller		✓	from 0 mmbf to 22 mmbf/yr
ODOT	✓		.005 mmbf/yr
OR: DSL	✓		15.4 mmbf/yr
Counties:			
Douglas		✓	from 0 mmbf to 1.8 mmbf/yr
Coos	✓		2.7 mmbf/yr
Josephine	✓		1.99 mmbf/yr

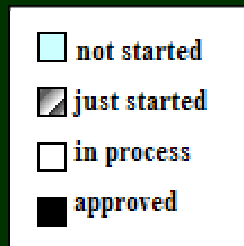
What about NEPA?
It's important to know!

... here's how it looks

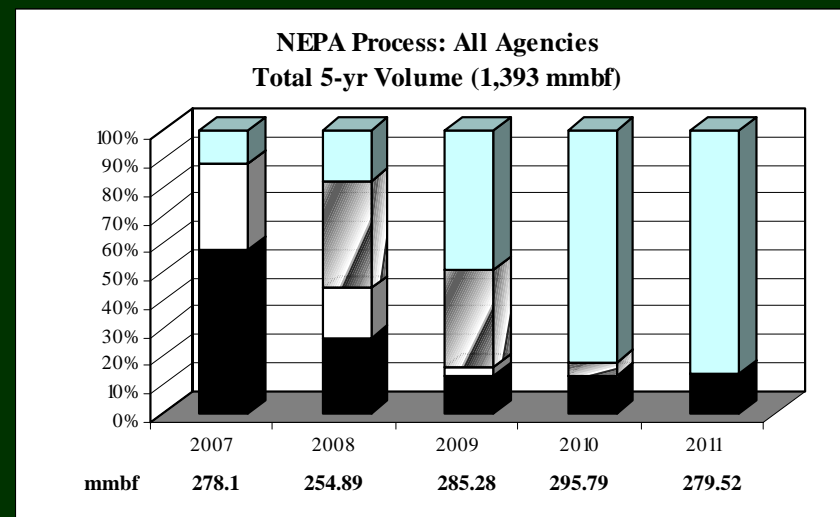
NEPA Picture for CROP Landscape

All NF & BLM lands:

88% of 5-yr total = (1,393 mmbf; includes gT as mmbf)



	<i>mmbf</i>	<i>% of total</i>
<i>Approved</i>	344.4	25%
<i>In process</i>	136.8	10%
<i>Just started</i>	209.2	15%
<i>Not started</i>	703.1	50%



Only 35% of CROP resource offering either NEPA approved or in-process

. . . but story best told on agency-by-agency basis.

Let's look at the Oregon BLM as an example . . .

NEPA Risk Rating

1	2	3	4	5
Lowest	Low	Medium	High	Highest

For low risk rating, 3 key desired attributes:

- ✓ Volume *approved* in first 2 years, followed by *in-process*.
- ✓ Consistency in supply; no dramatic gaps from year to year (eg: *approved/not started/in-process*).
- ✓ Overall – no major emphasis on *just started* or *not started*.

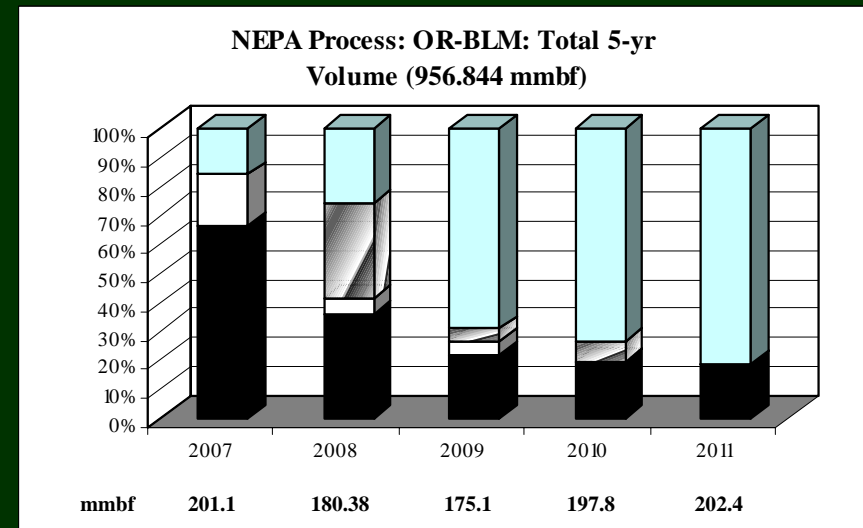
Cow Creek (Oregon) CROP

NEPA Phase

Oregon BLM: Total 5-yr volume (956.84 mmbf;
includes gT as mmbf)



	<i>mmbf</i>	<i>% of total</i>
<i>Approved</i>	313.28	33%
<i>In process</i>	52.6	5%
<i>Just started</i>	82.76	9%
<i>Not started</i>	508.17	53%



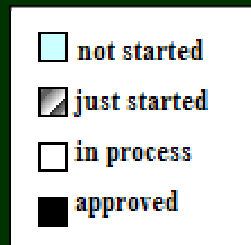
NEPA Risk Rating

Agencies: Field Offices in the Oregon BLM

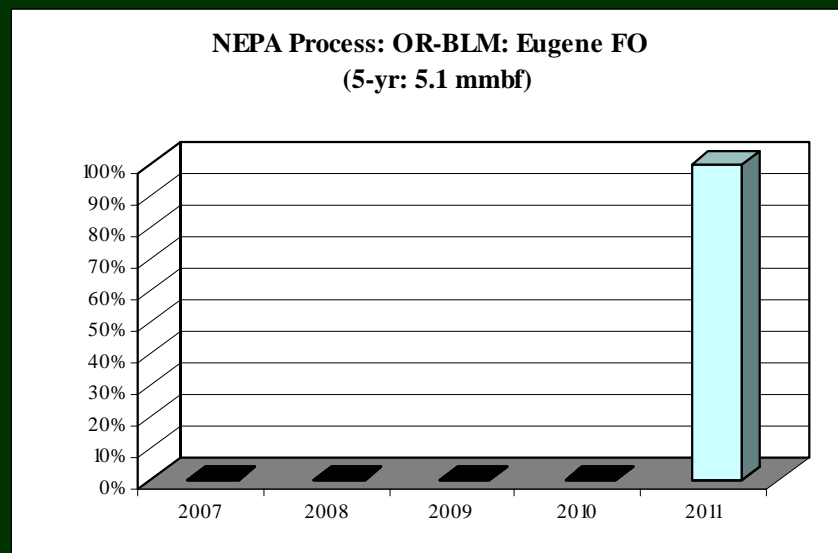
(includes gT as mmbf)	1 Lowest	2 Low	3 Medium	4 High	5 Highest	Comments
Eugene (5.1 mmbf)					✓	100% of 5-yr volume not started in NEPA process
Coos Bay (200 mmbf)			✓			Only 29% approved, but in 1st & 2nd years.
Roseburg (191.5 mmbf)	✓					Excellent outlook for all 5-yrs.
Medford (560.4 mmbf)					✓	Over 70% not started throughout all 5-yrs.

NEPA Phase

Eugene FO: (5.1 mmbf; includes gT as mmbf)

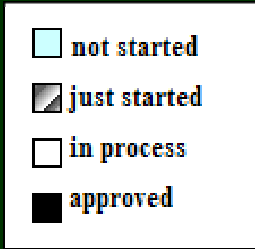


	<i>mmbf</i>	<i>% of total</i>
<i>Approved</i>	0	0%
<i>In process</i>	0	0%
<i>Just started</i>	0	0%
<i>Not started</i>	5.1	100%

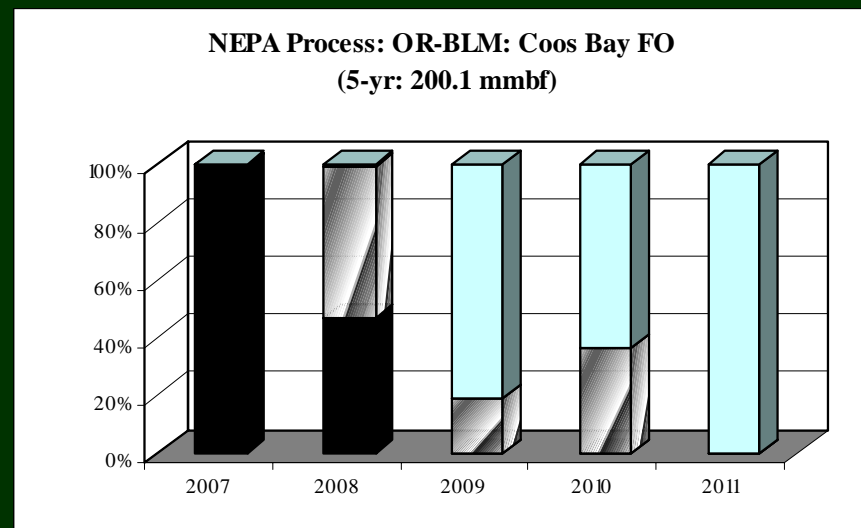


NEPA Phase

Coos Bay FO: (200.1 mmbf; includes gT as mmbf)



	<i>mmbf</i>	<i>% of total</i>
<i>Approved</i>	58.5	29%
<i>In process</i>	0	0%
<i>Just started</i>	38.25	19%
<i>Not started</i>	103.35	52%

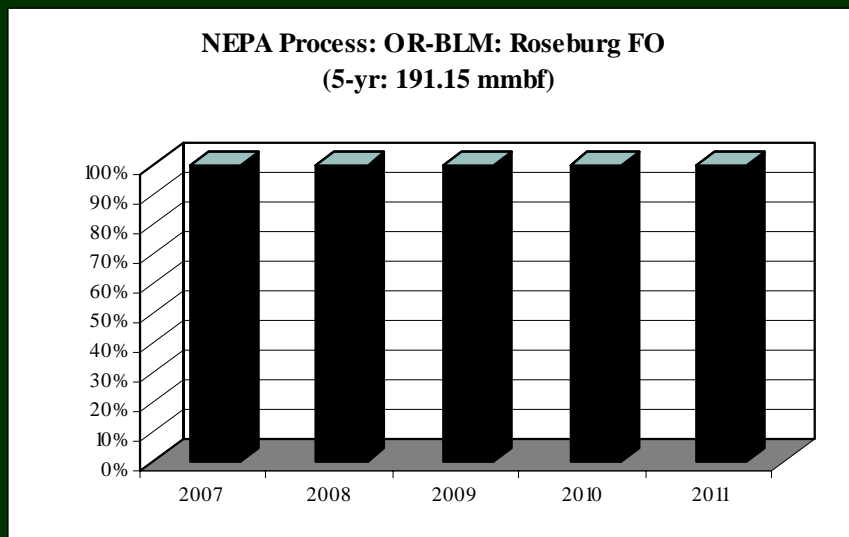


NEPA Phase

- not started
- just started
- in process
- approved

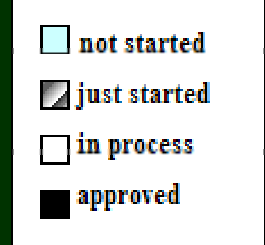
Roseburg FO: (191.15 mmbf; includes gT as mmbf)

	<i>mmbf</i>	<i>% of total</i>
<i>Approved</i>	191.15	100%
<i>In process</i>	0	0%
<i>Just started</i>	0	0%
<i>Not started</i>	0	0%

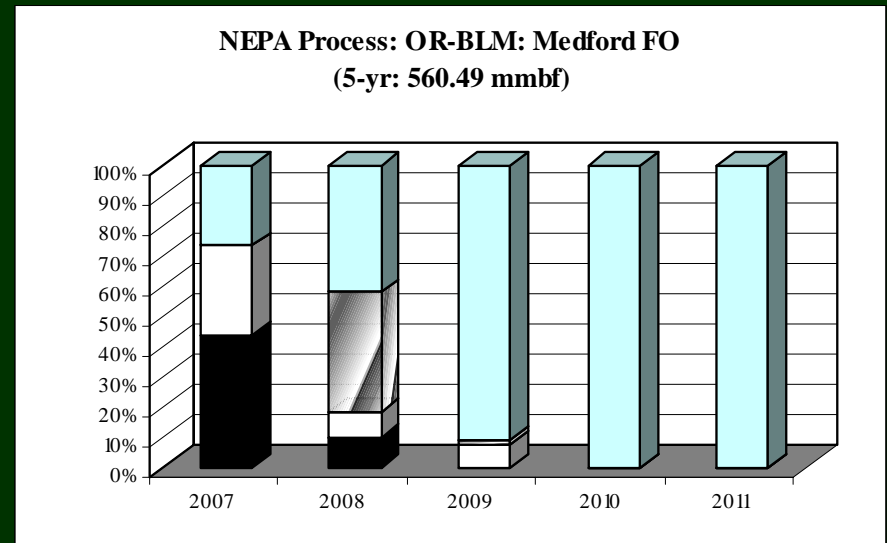


NEPA Phase

Medford FO: (560.49 mmbf; includes gT as mmbf)



	<i>mmbf</i>	<i>% of total</i>
<i>Approved</i>	63.63	11%
<i>In process</i>	52.62	9%
<i>Just started</i>	44.5	8%
<i>Not started</i>	399.7	71%



What about road access to supply? *No serious problem here . . .*

Agency	5-yr total volume mmbf (includes gT as mmbf)	Affected by No Current Road Access	
		% of total volume affected	species affected
OR BLM	956.844	2%	DF, WF
Rogue River/Siskiyou NF	295.49	0%	none
Umpqua NF	141.279	31%	DF, LPP, WRC, WH, PP, IC, ShF, WP, SP, OC
DOF	3.75	0%	none
DSL	121.521	0%	none
ODOT	.0975	0%	none
Counties	68.1545	0%	none
Total	1,587.136	4%	

Conclusions for Cow Creek CROP

Not a bad picture. . .

- ✓ Total annual volume is sufficient to ***invite investment in small log processing*** and create viable options for biomass-to-energy investment interest. However . . .

- ✓ ***Only 35% of total volume NEPA approved or in-process.*** Creates higher investor risk and reduces potential purchaser confidence.

and . . .

- ✓ ***Levelizing of supply between agencies from year to year is needed*** – especially for Douglas fir.

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