

**Connectivity/Diversity Block 18****T. 26 S., R. 08 W., Section 20****The numbers in EA OR125-99-19 are in error, these are the corrected calculations.**

Acres in Connectivity/Diversity Block 18	=	438 acres
Forested Acres in Connectivity/Diversity Block 18	=	438 acres
25% of Forested Acres	=	110 acres (This is the threshold for 80+ years)
Available Area Outside All Reserves	=	343 acres
1/15 of the Available Area	=	23 acres
1/5 of the Available Area	=	<u>69 acres</u>

NSO Core Area	=	100 acres.....	of the best Northern Spotted Owl Habitat in this section, age = 100
Riparian Reserve Acres			
Outside of NSO Core Area	=	95 acres	
Riparian Reserve Acres			
Outside of NSO Core Area,			
80 Years +	=	58 acres	
Total Reserve Area			
80 Years +	=	<u>158 acres*</u>	

\*with the NSO core area and the Riparian Reserves we would never drop below the 110 acre threshold.

Age Breakdown:

Age	Acres	Acres in Riparian Reserves	Acres Outside of Riparian Reserves	Percent
110	70	20	50	14
100	169	32	137	40
80	39	5	34	10
60	11	0	11	3
22	31	5	26	8
13	118	33	85	25
total	438	95	343	100

There is no restriction on acreage represented in the 0 to 30 year age class. The goal is to have 4 to 5 age classes distributed through the area control rotation age, which is 150 years.

Here is one possible scenario of scheduling the harvest of available acres for Connectivity/Diversity Block 18.

(Harvest amount per 30 years = 69 acres):

	Age Classes														
	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150+
2000-10		85	31			11		34		137	50				
10-20	69		85	31			11		34		68	50			
20-30		69		85	31			11		34		68	50		
30-40			69		85	31			11		34		68	50	
40-50	69			69		85	31			11		34		33	17
50-60		69			69		85	31			11		34		50
60-70			69			69		85	31			11		34	50
70-80	69			69			69		16	31			11		84
80-90		69			69			69		16	31			11	84
90-100			69			69			69		16	31			95
100-110	69			69			69			69		16	31		26
110-120		69			69			69			69		16	31	26
120-130			69			69			69			69		16	73
130-140	69			69			69			69			69		20
140-150		69			69			69			69			69	20
150-160			69			69			69			69			89
160-170	69			69			69			69			69		20
170-180		69			69			69			69			69	20
180-190			69			69			69			69			89

The shaded areas indicate regeneration harvest. Hatched areas indicate commercial thinning.

Area control is achieved by 2150-60, though this example has been simplified to illustrate the concept. If we do not harvest in the current decade it will simply take a longer time period to reach area control objectives.

The size and configuration of the unit(s) in the Connectivity/Diversity Blocks is dependant on accessibility, harvest feasibility and efficiency, Survey and Manage species buffers, etc. The maximum size of the unit would be 69 acres, but the units may be smaller.

Here is another scenario of harvest of available acres for Connectivity/Diversity Block 18. (Harvest amount every other decade = 46 acres):

Acres in Age Classes															
	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150+
2000-10		85	31			11		34		137	50				
10-20	46		85	31			11		34		91	50			
20-30		46		85	31			11		34		91	50		
30-40	46		46		85	31			11		34		45	50	
40-50		46		46		85	31			11		34		45	50
50-60	46		46		46		85	31			11		34		49
60-70		46		46		46		85	31			11		34	49
70-80	46		46		46		46		16	31			11		37
80-90		46		46		46		46		16	31			11	37
90-100	46		46		46		46		46		16	31			2
100-110		46		46		46		46		46		16	31		2
110-120	31		46		46		46		46		46		16		2
120-130		31		46		46		46		46		46		16	2
130-140			31		46		46		46		46		46		18
140-150	18			31		46		46		46		46		46	
150-160		18			31		46		46		46		46		46
160-170	46		18			31		46		46		46		46	
170-180		46		18			31		46		46		46		46
180-190	46		46		18			31		46		46		46	

The shaded areas indicate regeneration harvest. Hatched areas indicate commercial thinning.

Area control is achieved by 2150-60. If we do not harvest in age classes less than 150 years, area control with a distribution of age classes over time will never be reached. If we defer harvest in the first decade, it will take longer to reach even flow.

The size and configuration of the unit(s) in the Connectivity/Diversity Blocks is dependant on accessibility, harvest feasibility and efficiency, Survey and Manage species buffers, etc. The maximum size of the unit would be 46 acres, but the units may be smaller.

Here is another scenario of harvest of available acres for Connectivity/Diversity Block 18. (Harvest amount every decade = 23 acres):

	Acres in Age Classes														
	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150+
2000-10		85	31			11		34		137	50				
10-20	23		85	31			11		34		114	50			
20-30	23	23		85	31			11		34		91	50		
30-40	23	23	23		85	31			11		34		68	50	
40-50	23	23	23	23		85	31			11		34		45	50
50-60	23	23	23	23	23		85	31			11		34		72
60-70	23	23	23	23	23	23		85	31			11		34	49
70-80	23	23	23	23	23	23	23		85	31			11		60
80-90	23	23	23	23	23	23	23	23		85	31			11	37
90-100	23	23	23	23	23	23	23	23	23		85	31			25
100-110	23	23	23	23	23	23	23	23	23	23		85	8		25
110-120	23	23	23	23	23	23	23	23	23	23	23		62	8	25
120-130	23	23	23	23	23	23	23	23	23	23	23	23	23	39	33
130-140	23	23	23	23	23	23	23	23	23	23	23	23	23	23	49
140-150	23	23	23	23	23	23	23	23	23	23	23	23	23	23	49
150-160	23	23	23	23	23	23	23	23	23	23	23	23	23	23	49

The shaded areas indicate regeneration harvest. Hatched areas indicate commercial thinning.