Connectivity/Diversity Block 20
T. 26 S., R. 09 W., Section 12 and 14
FY 2000

The numbers in EA OR125-99-19 are in error, these are the corrected calculations.

Acres in Connectivity/ Diversity Block 20	=	339 acres
Forested Acres in Connectivity/ Diversity Block 20	=	335 acres
25% of Forested Acres	=	84 acres (This is the threshold for 80+ years)
Available Area Outside All Reserves	=	165 acres
1/15 of the Available Area	=	11 acres
1/5 of the Available Area	=	33 acres

Riparian Reserve Acres	=	170 acres
Riparian Reserve Acres, 80 Years +=		82 acres

Total Reserve Area		
80 Years +	=	82 acres*

*with the Riparian Reserves we would never drop below the 98% of the threshold.

Age Breakdown:

Age	Acres	Acres in Riparian Reserves	Acres Outside of Riparian Reserves	Percent
130	175	82	93	57
50	9	8	1	1
31	32	20	12	7
21	67	49	18	11
13	25	11	14	8
7	27	0	27	16
total	335	170	165	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 rotation age, which is 150 years.

Here is one possible scenario of sceduling the harvest of available acres for Connectivity/Diversity Block 20 (Harvest amount per 30 years = 33 acres):

Age Classes															
	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150+
2000-10	27	14	18	12	1								93		
10-20	33	27	14	18	12	1								60	
20-30		33	27	14	18	12	1								60
30-40			33	27	14	18	12	1							60
40-50	33			33	27	14	18	12	1						27
50-60		33			33	27	14	18	12	1					27
60-70			33			33	27	14	18	12	1				27
70-80	33			33			33	27			12	1			27
80-90		33			33			33	27			12	1		
90-100			33			33			33	27			12	1	27
100-110	33			33			33			33				12	28
110-120		33			33			33			33				40
120-130			33			33			33			33			40
130-140	33			33			33			33			33		7
140-150		33			33			33			33			33	7
150-160			33			33			33			33			40

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

Area control is achieved by 2120-30, though this example has been simplified to illustrate the concept. If we do not harvest in the current decade it will simply take longer to meet 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 33 acres, but the units may be smaller.

Here is another scenario of harvest of available acres for Connectivity/Diversity Block 20 (Harvest amount every other decade = 22 acres):

Acres in Age Classes															
	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150+
2000-10	27	14	18	12	1								93		
10-20	22	27	14	18	12	1								71	
20-30		22	27	14	18	12	1								71
30-40	22		22	27	14	18	12	1							49
40-50		22		22	27	14	18	12	1						49
50-60	22		22		22	27	14	18	12	1					27
60-70		22		22		22	27	14	18	12	1				27
70-80	22		22		22		22	27	14	18	12	1			5
80-90		22		22		22		22	27	14	18	12	1		5
90-100	22		22		22		22		22	27		10	12	1	5
100-110		22		22		22		22		22	27		10	12	6
110-120	22		22		22		22		22		22	5		10	18
120-130		22		22		22		22		22		22	5		28
130-140	22		22		22		22		22		22		22	5	6
140-150		22		22		22		22		22		22		22	11
150-160	22		22		22		22		22		22		22		11
160-170		22		22		22		22		22		22		22	11
170-180	22		22		22		22		22		22		22		11

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

Area control is achieved by 2120-30. 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 area control.

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 22 acres, but the units may be

smaller.

Here is another scenario of harvest of available acres for Connectivity/Diversity Block 20 (Harvest amount every decade = 11acres):

Acres in Age Classes															
	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150+
2000-10	27	14	18	12	1								93		
10-20	11	27	14	18	12	1								82	
20-30	11	11	27	14	18	12	1								71
30-40	11	11	11	27	14	18	12	1							60
40-50	11	11	11	11	27	14	18	12	1						49
50-60	11	11	11	11	11	27	14	18	12	1					38
60-70	11	11	11	11	11	11	27	14	18	12	1				27
70-80	11	11	11	11	11	11	11	27	14	18	12	1			16
80-90	11	11	11	11	11	11	11	11	16	14	18	12	1		16
90-100	11	11	11	11	11	11	11	11	11	16	14	7	12	1	16
100-110	11	11	11	11	11	11	11	11	11	11	5	14	7	12	17
110-120	11	11	11	11	11	11	11	11	11	11	11	5	3	7	29
120-130	11	11	11	11	11	11	11	11	11	11	11	11	5	3	25
130-140	11	11	11	11	11	11	11	11	11	11	11	11	11	5	17
140-150	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
150-160	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11

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