

## Appendix E Parameters Associated with BMUs in the Cabinet-Yaak Ecosystem<sup>1</sup>

Appendix E displays the open motorized route density (33%), total motorized route density (26%) and core area (55%) calculations that Wakkinen and Kasworm (1997) documented for the average home ranges of six female radio marked grizzly bears in the CYE. The table below also displays the annual, on-the-ground moving windows calculations for the road situation in each BMU in the CYE since 1997, as reported by the Forest Service to the IGBC. Blanks are areas where information was not calculated.

	Open Motorized Route Density- % of BMU Having Open Roads >1 Mile/mile					Total Motorized Route Density-% of BMU Having Total Roads >2 Miles/mile					% Core Area					% Security Habitat (Square Mile) (Habitat Effectiveness)						
	33%					26%					55%					Not addressed in the research						
BMU	BEAR YEAR					BEAR YEAR					BEAR YEAR					BEAR YEAR						
	97	98	99	00	01	97	98	99	00	01	97	98	99	00	01	95	96	97	98	99	00	01
1	18	23	13	12	12	8	16	9	11	11	73	69	84	83	83	81	81	86	85	88	89	88
2		29	18	17	17			15	14	14			77	78	77	85	85	85	83	85	84	83
3			23	24	26			31	30	27			57	58	61	77	78	76	78	78	76	70
4 <sup>2</sup>		39	39	36	36		28	27	26	26		62	61	63	63	63	63	62	62	62	65	65
5	29	29	28	27	27	23	23	21	21	20	60	60	61	62	62	74	73	74	75	74	75	75
6	37	37	39	34	34	35	35	34	33	32	51	51	51	53	55	72	66	66	68	67	69	69
7	27	27	23	23	23	22	22	19	20	20	65	65	66	66	66	82	82	81	81	79	80	80
8	39	32	31	32	32	23	23	21	21	23	56	54	57	57	56	74	77	77	77	73	77	77
9			36	32	32			31	28	27			53	56	57	76	76	76	73	71	72	72
10	50	50	50	45	41	41	41	37	34	32	42	42	45	48	49	70	68	57	57	61	65	65
11	32	32	33	29	29	31	31	31	27	28	52	52	52	55	54	70	74	74	70	73	73	71
12			43	45	43			28	31	29			56	56	57	49	62	57	44	62	60	60
13 <sup>3</sup>	34	34	37	35	33	23	23	26	24	24 26	58	58	56	59	62	73	72	72	72	71	72	72
14	31	31	32	45 28	35	24	24	22	26	26	58	58	60	56	56	72	74	74	74	71	75	75
15	32	32	30	31	31	45	45	34	32	32	35	35	46	48	47	70	68	63	66	70	70	70
16	38	38	36	31	28	45	45	42	38	38	38	38	40	45	45	73	72	70	70	74	70	72
17	43	43	37	32	32	44	44	33	27	26	32	32	42	49	50	68	68	68	71	71	73	73
18	28	28		37	34*	37	37		35	35	45			48	48			72			70	70
19	37	37		59 39	59	39	39		59	59	39			32	32			56			60	60
20	38	38		38	38	24	24		20	20	59	59		61	61			73			69	69
21 <sup>4</sup>	36	36		35	35	28	28		27	27	62	62		63	63			69			70	70
22 <sup>5</sup>	41	41		37	38	42	42		41	41	48	48		47	47					70	71	68

<sup>1</sup> The 1997 data is from the Incidental Take Statement which is considered baseline data for “no net loss” (Incidental Take Statement, page 7). Information for years 1998--2001 are from Kootenai National Forest Annual Reports (USDA 1998--2002). Changes in the 2000 numbers above do not reflect temporary increases in open and total road density as a result of fire suppression as reported in Annual Reports (USDA 2001).

<sup>2</sup> The BMU 4 Core decreased due to Bull Lake Estates (USDI 1999) resulted in a change from MS-1 to MS-3.

<sup>3</sup> Management of BMUs 13 and 14 shared between the Idaho Panhandle National Forest and Kootenai National Forest.

<sup>4</sup> Managed solely by the Idaho Panhandle National Forest.

<sup>5</sup> Managed solely by the Lolo National Forest (1999 data from Tricia O'Connor, U.S. Forest Service).