

Table 13. Comparison of radio-collared adult (≥ 3.5 years) female grizzly bear (*Ursus arctos*) home range sizes in northwestern Alaska during 1986 through 1990 as determined by four methods of calculation.

Bear ID	Age at capture	Period of coverage	n	Home range size by method (km ²)			Harmonic mean (80%) ^a
				Convex polygon	Concave polygon	95% ellipse	
001	5.5	05/86–08/89	40	927.6	59.5	1,588.0	333.3
002	5.5	05/86–06/89	39	657.8	99.2	1,172.6	411.3
004	6.5	06/86–09/90	59	1,809.3	205.7	3,096.4	796.5
008	4.5	06/86–09/90	56	1,368.4	254.1	2,465.3	606.8
009	13.5	06/86–09/89	38	469.3	105.2	925.0	232.1
014	9.5	06/86–09/90	51	1,345.8	284.3	1,786.1	424.3
020	5.5	06/86–09/90	55	479.6	90.2	536.4	136.8
021	12.5	06/86–09/90	41	827.9	33.0	1,364.9	211.4
022	8.5	06/86–05/90	53	819.8	124.6	1,251.7	229.7
025	12.5	06/86–09/90	35	269.1	36.7	396.8	114.4
028	9.5	06/86–09/90	54	1,439.6	150.5	2,139.5	524.9
039	8.5	06/86–09/90	50	3,465.2	10.7	9,384.9	512.8
041	6.5	06/86–09/90	42	1,058.2	139.1	1,652.8	272.6
043	17.5	06/86–05/90	41	1,785.8	369.8	2,874.3	678.6
052	14.5	05/87–09/90	19	758.7	25.2	2,516.1	181.7
053	7.5	05/87–09/90	26	1,999.9	57.6	3,009.5	400.3
055	6.5	05/87–10/89	37	874.4	92.0	1,240.3	245.1
058	6.5	05/87–11/89	24	2,499.7	25.1	8,561.4	947.2
059	15.5	05/87–09/90	23	517.0	32.1	1,094.9	169.3
063	12.5	05/87–06/89	29	601.3	118.0	827.7	118.8
065	9.5	05/87–09/90	32	572.1	69.1	1,181.7	262.3
067	4.5	05/87–09/90	40	1,338.5	32.1	1,486.7	374.4
069	10.5	06/87–09/90	37	699.0	3.2	949.0	287.6
070	3.5	06/87–05/90	32	1,298.5	47.9	2,731.1	457.4
071	3.5	06/87–09/87	10	1,010.0	0.0	5,109.0	288.5
074	9.5	06/87–09/90	37	483.2	97.7	865.1	257.8
081	10.5	06/88–09/90	15	1,058.6	16.5	3,072.0	257.5
095	6.5	06/88–09/90	12	214.3	28.7	820.5	12.4
096	14.5	06/88–05/90	13	167.5	33.0	628.0	57.7
097	13.5E ^b	06/88–05/90	13	297.4	12.4	1,190.6	28.0
102		05/89–09/90	13	257.1	41.7	986.2	19.6
103	8.5	05/89–09/90	11	629.7	5.6	2,691.0	221.4
117	13.5	05/89–09/90	15	765.7	8.6	2,666.4	66.1
\bar{x}				993	82.1	2,159	307.2
SD				709	87.4	2,017	221.7
Median				820	47.9	1,487	257.8

^a If more than one contour was defined, only the largest contour was reported here.

^b E indicates age is estimated.