

Criterion 3 v3

- Criterion 3: Maintain the population around the 2002-2014 Chao 2 modeled average (X= 674; 95% CI = 600-757) by maintaining annual mortality limits for independent females, independent males, and dependent young as shown in Table 2. (These adjustable mortality rates were calculated as those necessary to manage the population to the modeled average of 674 bears which occurred during the time period that this population's growth stabilized.) If mortality limits are exceeded for any sex/age class for three consecutive years ~~and the 6-year rolling average~~any annual population estimate falls below ~~674~~^[CS1] (the lower bound of the 90% confidence interval), the IGBC Study Team will produce a Biology and Monitoring Review to inform the appropriate management response. ~~or if~~if any annual population estimate falls below 600 (the lower bound of the 95% confidence limit of 600 interval), this criterion will not be met and ~~the IGBC Study Team will produce a Biology and Monitoring Review to inform the appropriate management response~~there will be no discretionary mortality, except as necessary for human safety.

Table 2. Total mortality rates used to establish annual mortality limits for independent females, independent males, and dependent young inside the DMA.

	Total Grizzly Bear Population Estimate		
	≤674*	675-747	>747
Total mortality rate for independent <u>FEMALES</u>.	<7.6%	9%	10%
Total mortality rate for independent <u>MALES</u>.	15%	20%	22%
Total mortality rate for dependent young.	<7.6%	9%	10%

~~*For populations less than 674, mortality limits will be adjusted to those limits that are necessary to manage towards the long term average and at populations less than 600, there will be no discretionary mortality unless necessary for human safety~~

[CS2]