

Appendix E — WinEquus Population Modeling Results

Desatoya HMA:

Desatoya Growth Rate, No Action
Average Growth Rate in 10 Years

Population Sizes in 10 Years*

	Minimum	Average	Maximum
Lowest Trial	483	1021	2017
10th Percentile	549	1239	2399
25th Percentile	558	1344	2604
Median Trial	584	1447	2958
75th Percentile	602	1578	3244
90th Percentile	626	1702	3580
Highest Trial	695	2179	4570

Average Growth Rate in 10 Years

Lowest Trial	12.3
10th Percentile	14.7
25th Percentile	16.0
Median Trial	17.7
75th Percentile	18.5
90th Percentile	19.6
Highest Trial	22.0

* 0 to 20+ year-old horses

Desatoya Average Growth Rate with Fertility Control and 60/40 sex ratio

Average Growth Rate in 10 Years

Lowest Trial	-4.5
10th Percentile	-0.9
25th Percentile	0.4
Median Trial	2.1
75th Percentile	3.7
90th Percentile	4.9
Highest Trial	8.9

	Gathered	Removed	Treated
Lowest Trial	787	305	89
10th Percentile	952	408	99
25th Percentile	995	460	108
Median Trial	1073	512	113

75th Percentile	1166	554	123
90th Percentile	1263	597	132
Highest Trial	1413	691	153

Number of Horses Gathered, Removed, and treated

* 0 to 20+ year-old horses

Totals in 10 Years*

Female foals, (fillies) would not be treated.