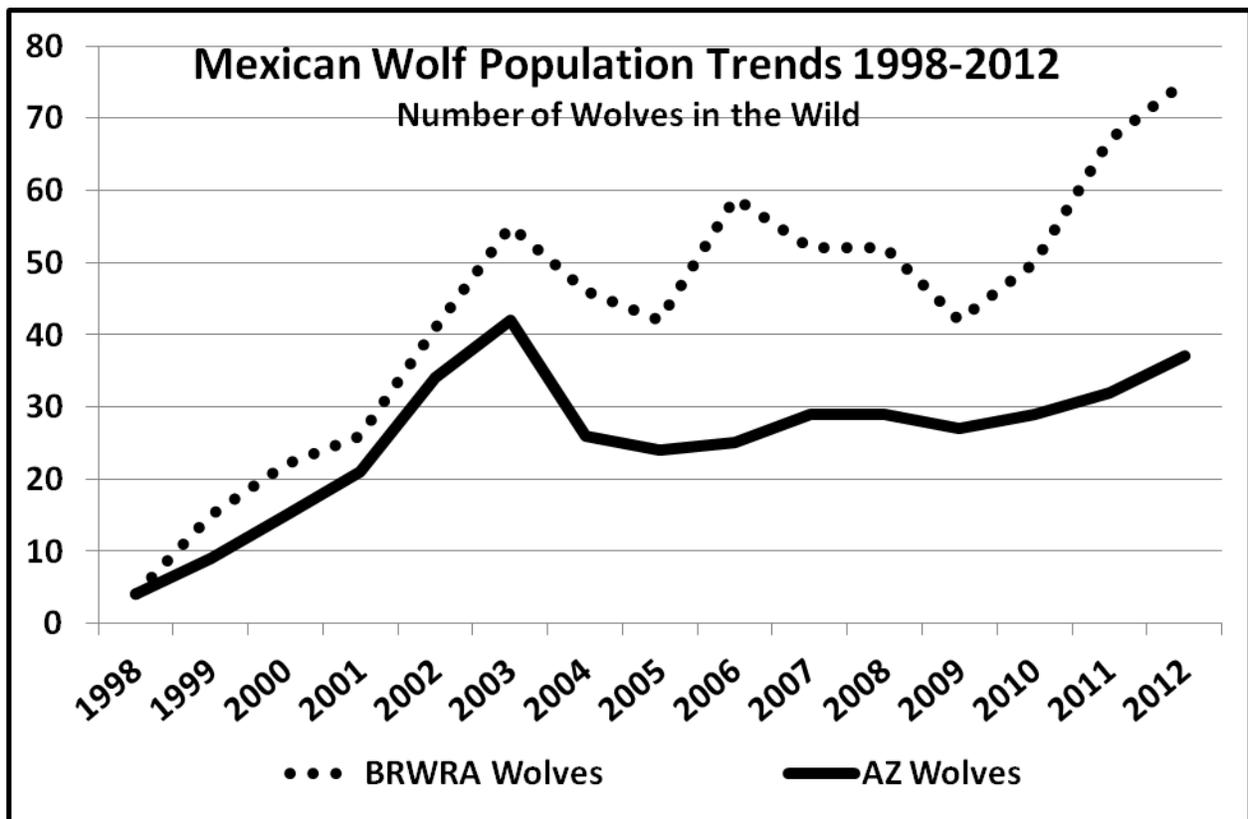


## MEXICAN WOLF IMPACTS ON DEER AND ELK POPULATIONS IN ARIZONA 1998 THROUGH 2012

Starting in 1998, Mexican wolves have been reintroduced into the Blue Range Wolf Recovery Area (BRWRA) located in eastern Arizona and western New Mexico.

At the end of 2012, the Interagency Field Team (IFT) of the Mexican Wolf Reintroduction Project estimated a minimum population of 37 wolves in the BRWRA in Arizona, which includes the Fort Apache Indian Reservation.

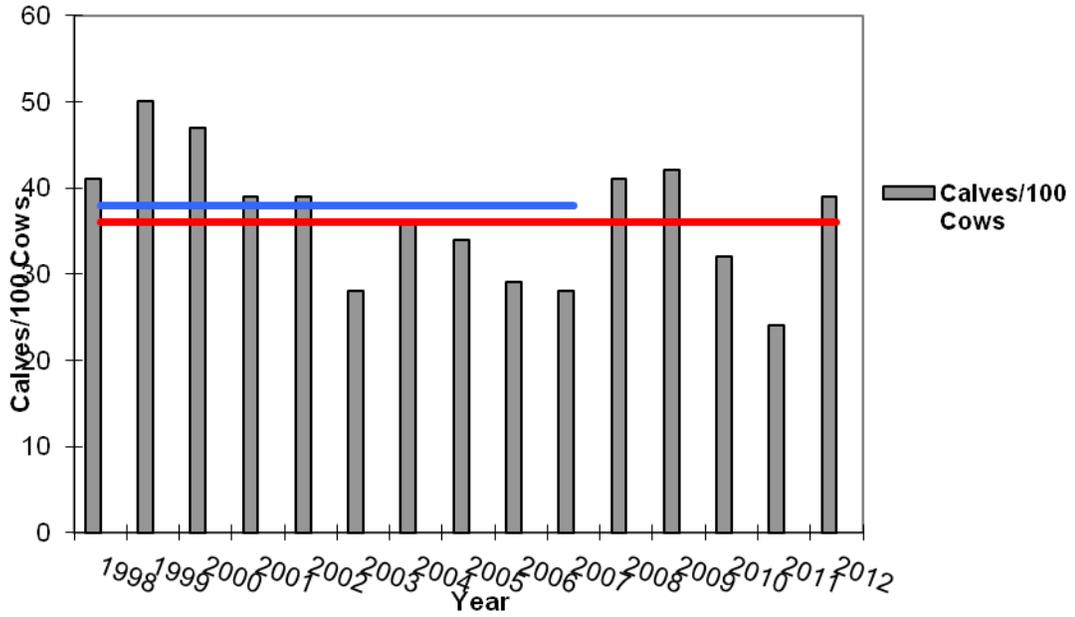


Information collected by IFT personnel shows Mexican wolves use elk as their primary prey source, including elk calves during spring and summer calving season.

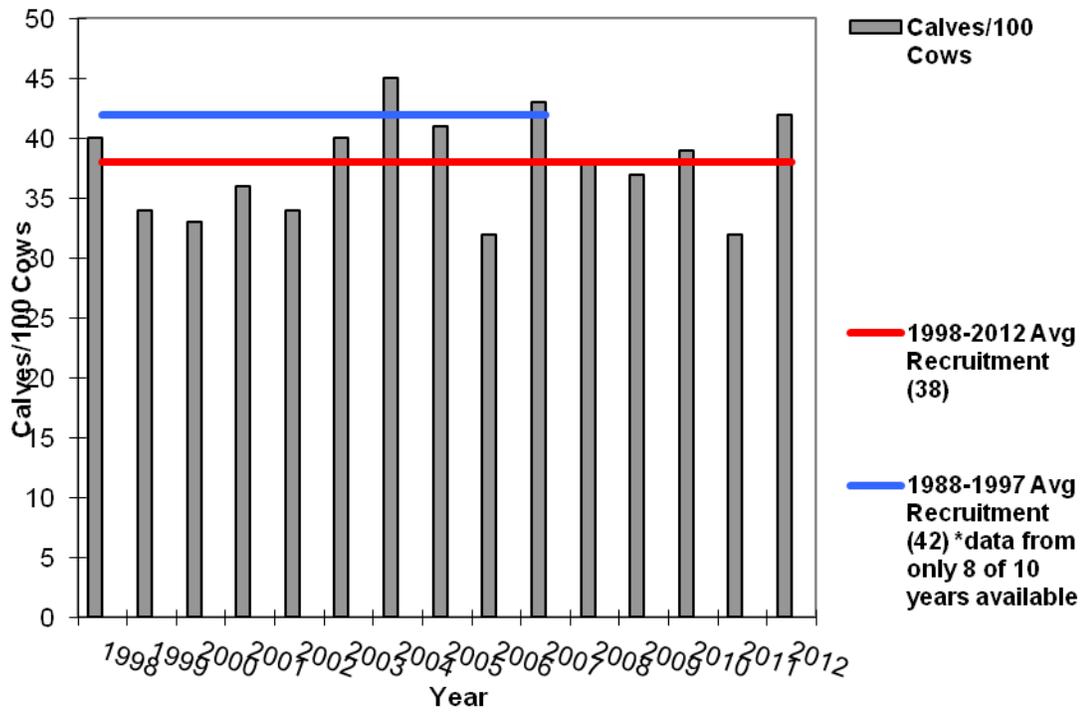
An analysis comparing elk calf recruitment in Game Management Units (GMU) 1 and 27 in the BRWRA before (pre-1998) and after Mexican wolves were established in Arizona has not shown a negative impact on the number of elk calves that survive through early fall time periods.

Likewise, an analysis comparing mule deer fawn recruitment in GMU 1 and 27 in the BRWRA before (pre-1998) and after Mexican wolves were established in Arizona has not shown a negative impact on the number of fawns that survive through early winter periods.

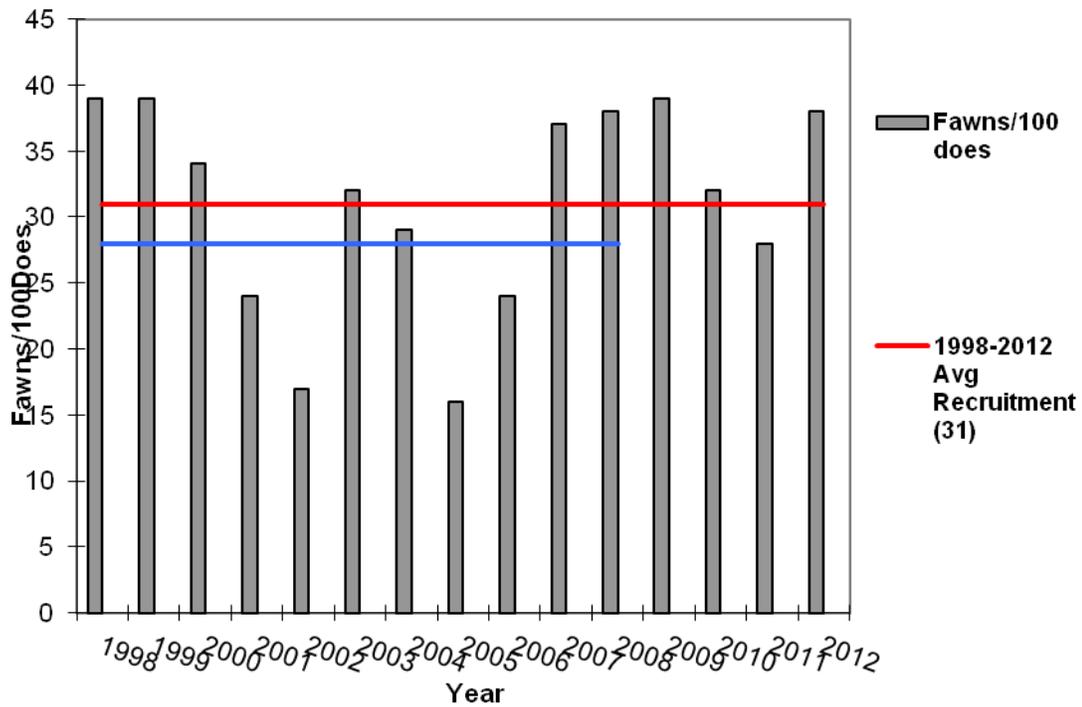
### GMU 27 Elk Recruitment



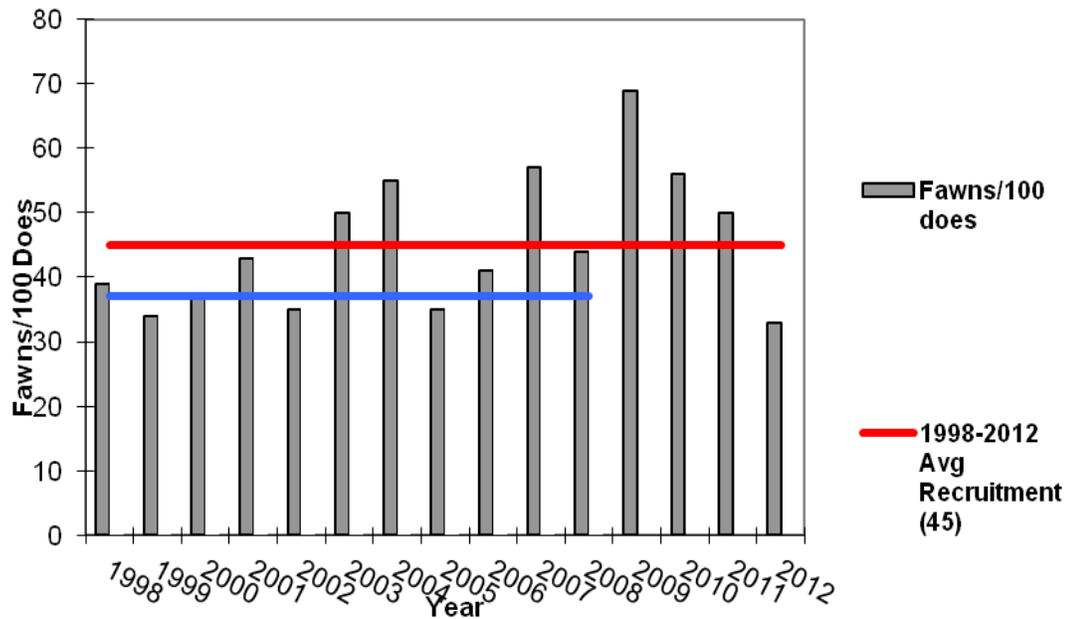
### GMU 1 Elk Recruitment



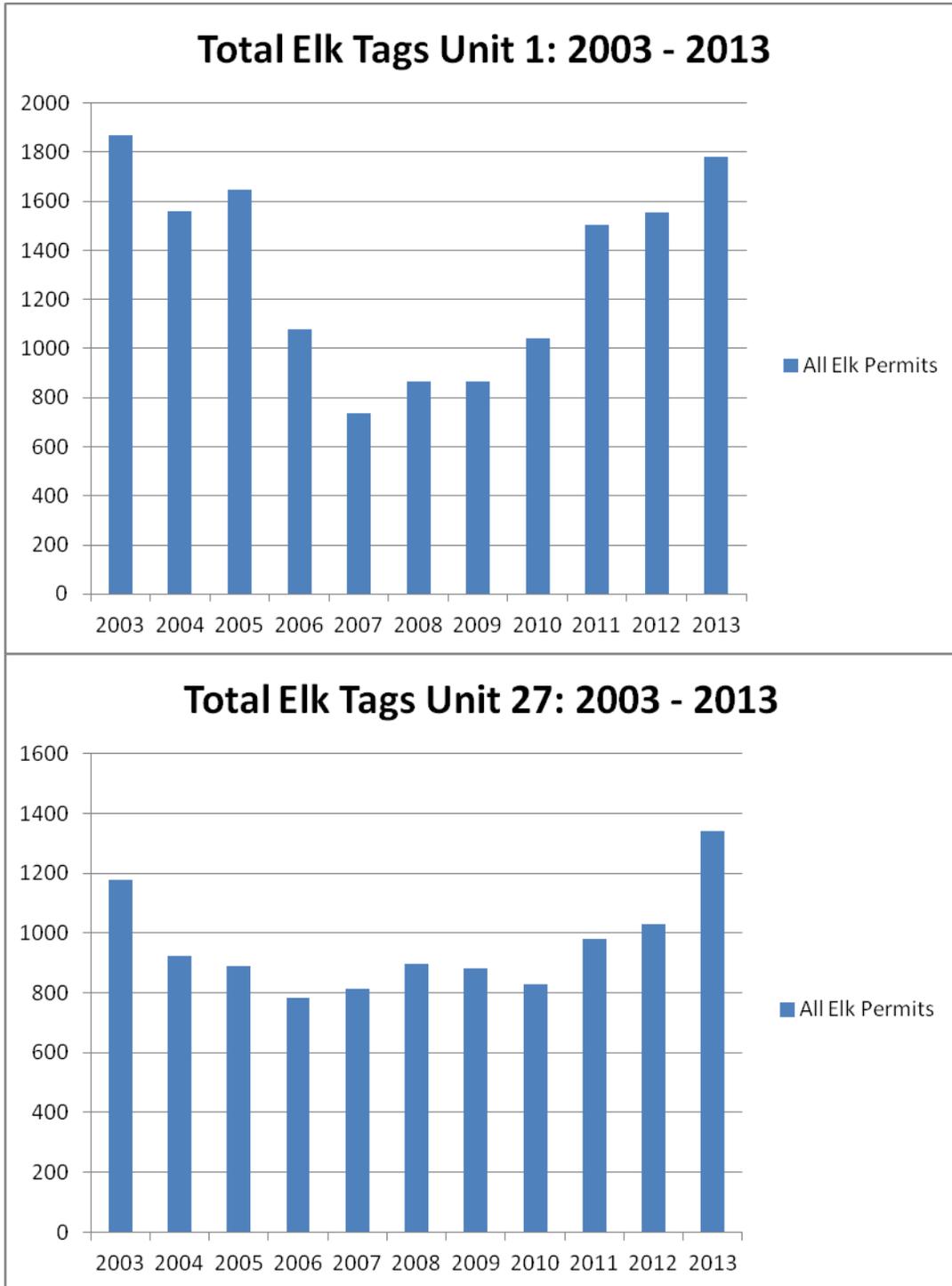
### GMU 27 Mule Deer Recruitment



### GMU 1 Mule Deer Recruitment



The number of elk permits authorized in GMU 1 and 27 by the Arizona Game and Fish Department has varied since wolves were reintroduced into Arizona. The variation is due to a variety of management-related objectives; however, elk availability for hunters has not been a reason for the reduction observed in 2006 and 2007. Since 2008, elk permits have steadily increased in these units.



An analysis of hunt success for all elk hunters in GMU 1 and 27 has not shown that hunter success has decreased significantly since wolves were established in these units.