THE EFFECTS OF THE CHEATGRASS/FIRE CYCLE ON A NORTH CENTRAL NEVADA MULE DEER HERD

OVER 1.6 MILLION ACRES (2500 SQUARE MILES)

BURNED IN NEVADA IN 1999

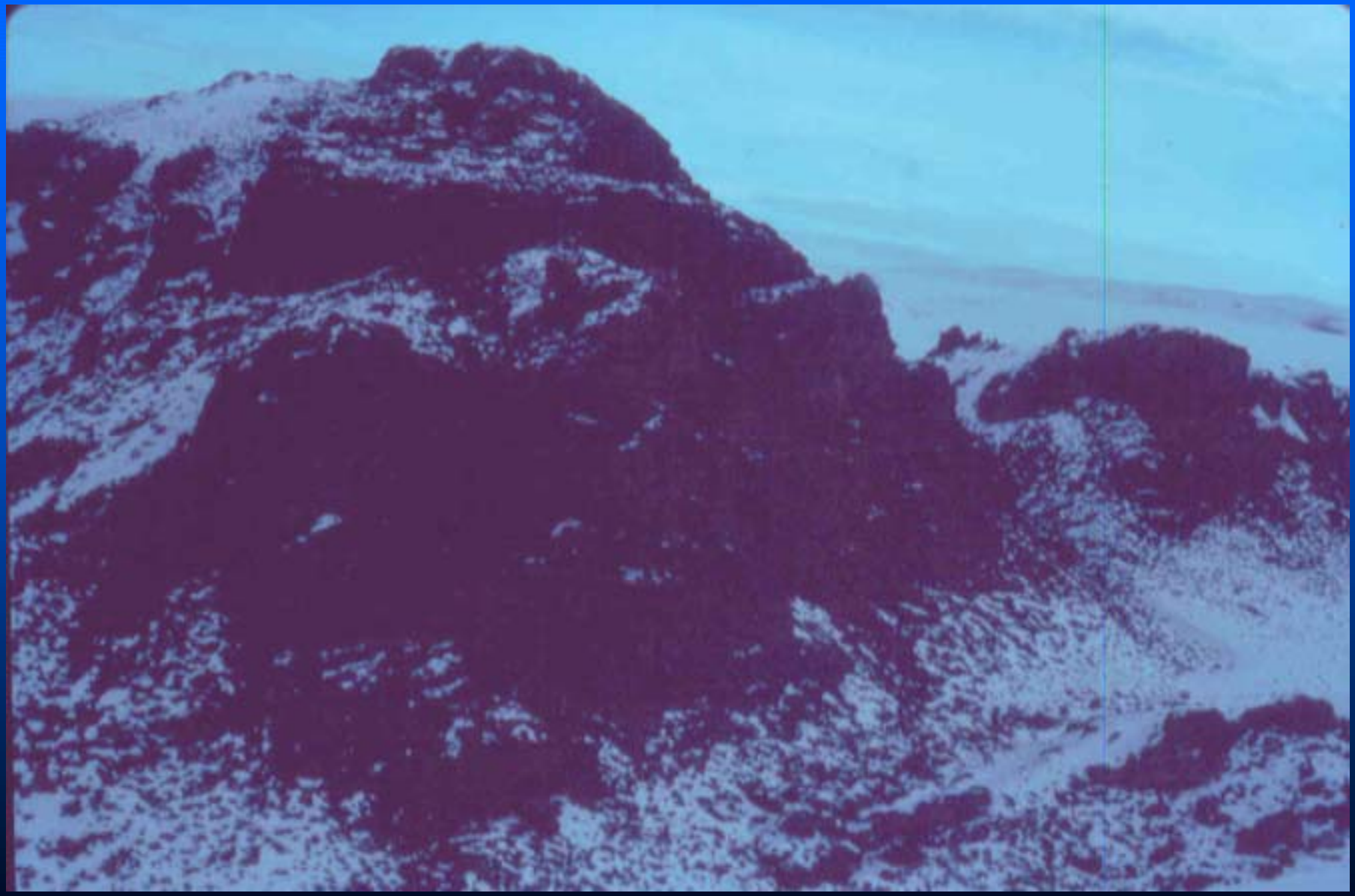
MULE DEER
MANAGEMENT AREA SIX

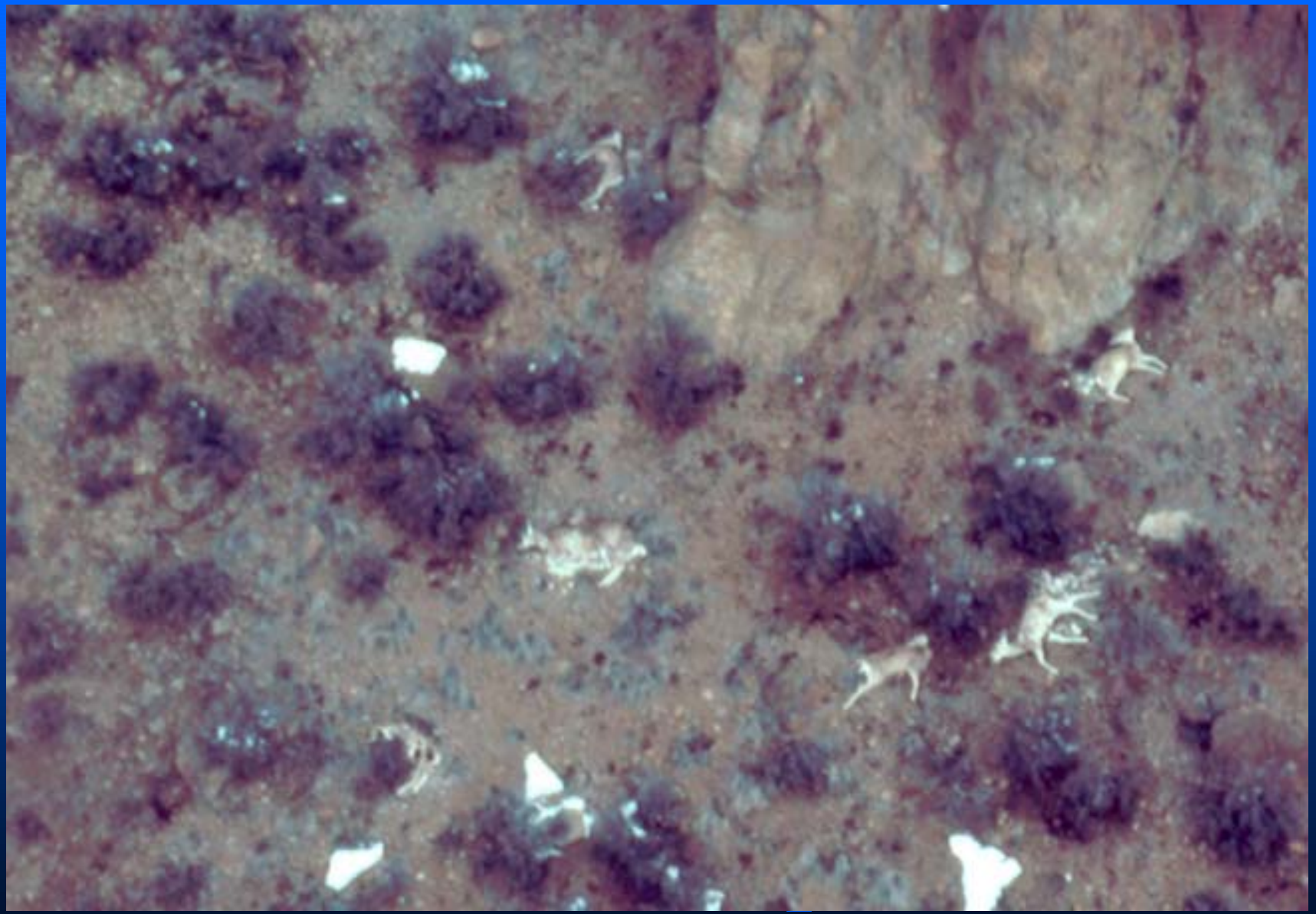
(TOTAL AREA - 6,896 SQUARE MILES)

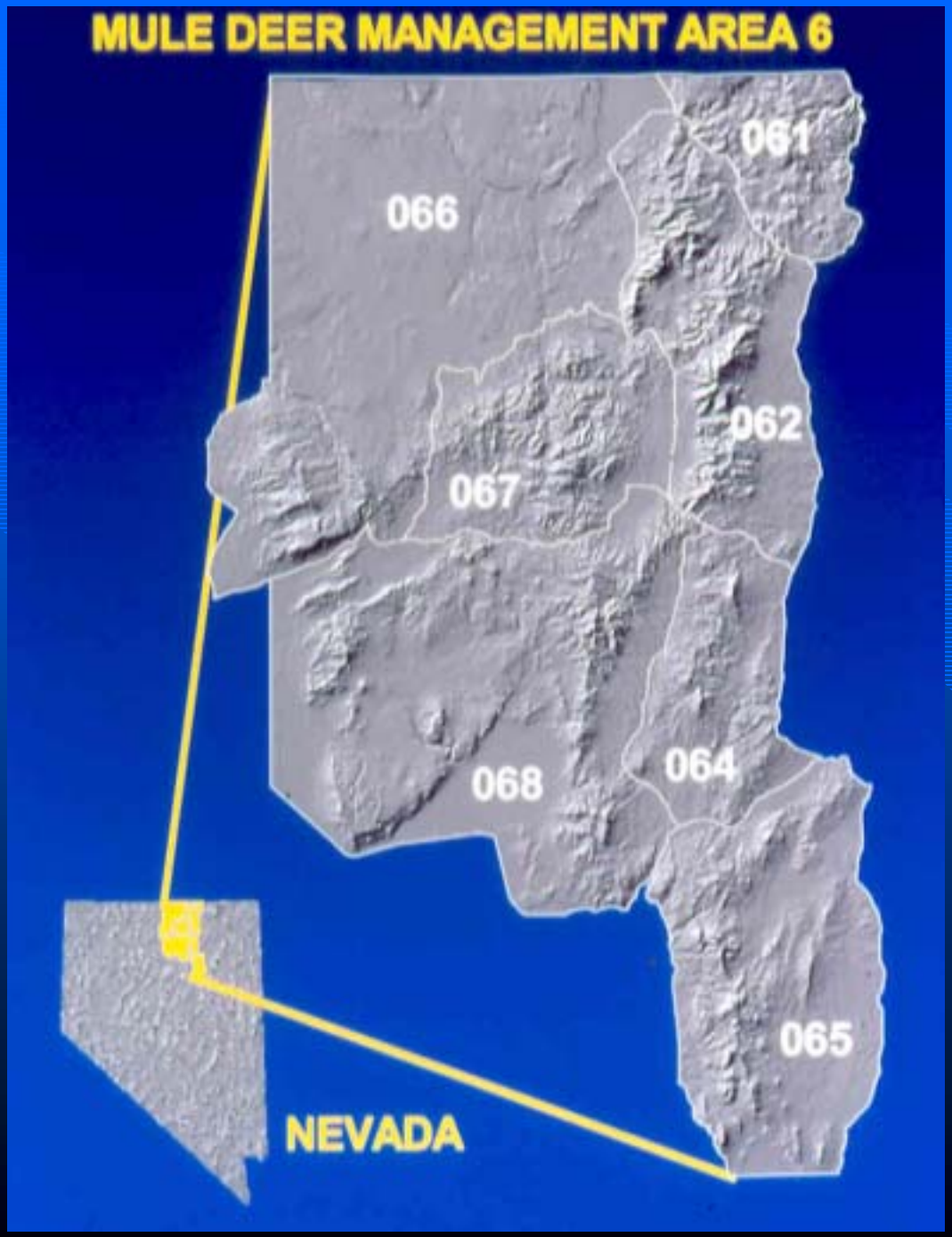
Fall Fawn to Doe Ratio Comparison

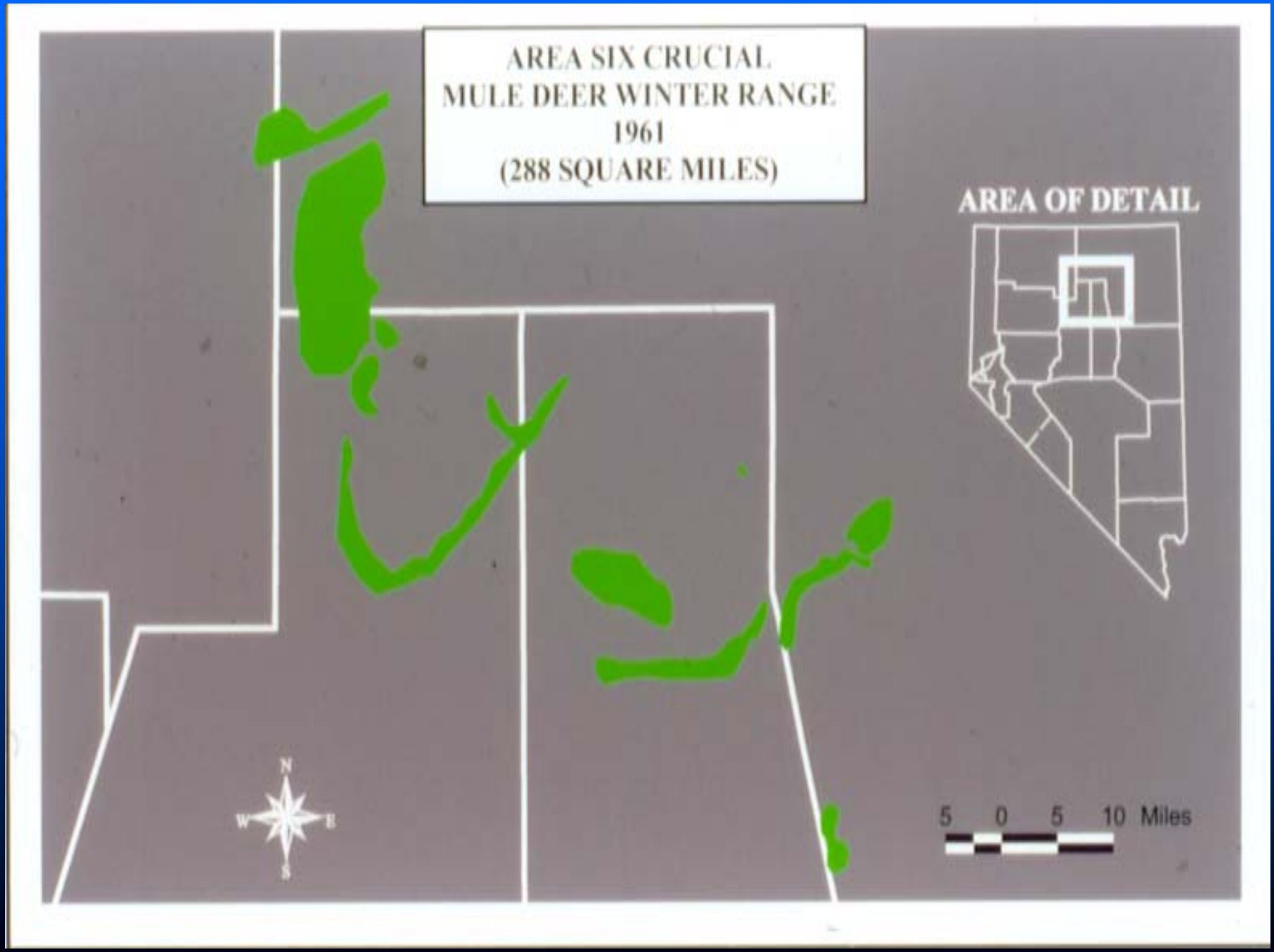
10 Year(1991-2000) Average

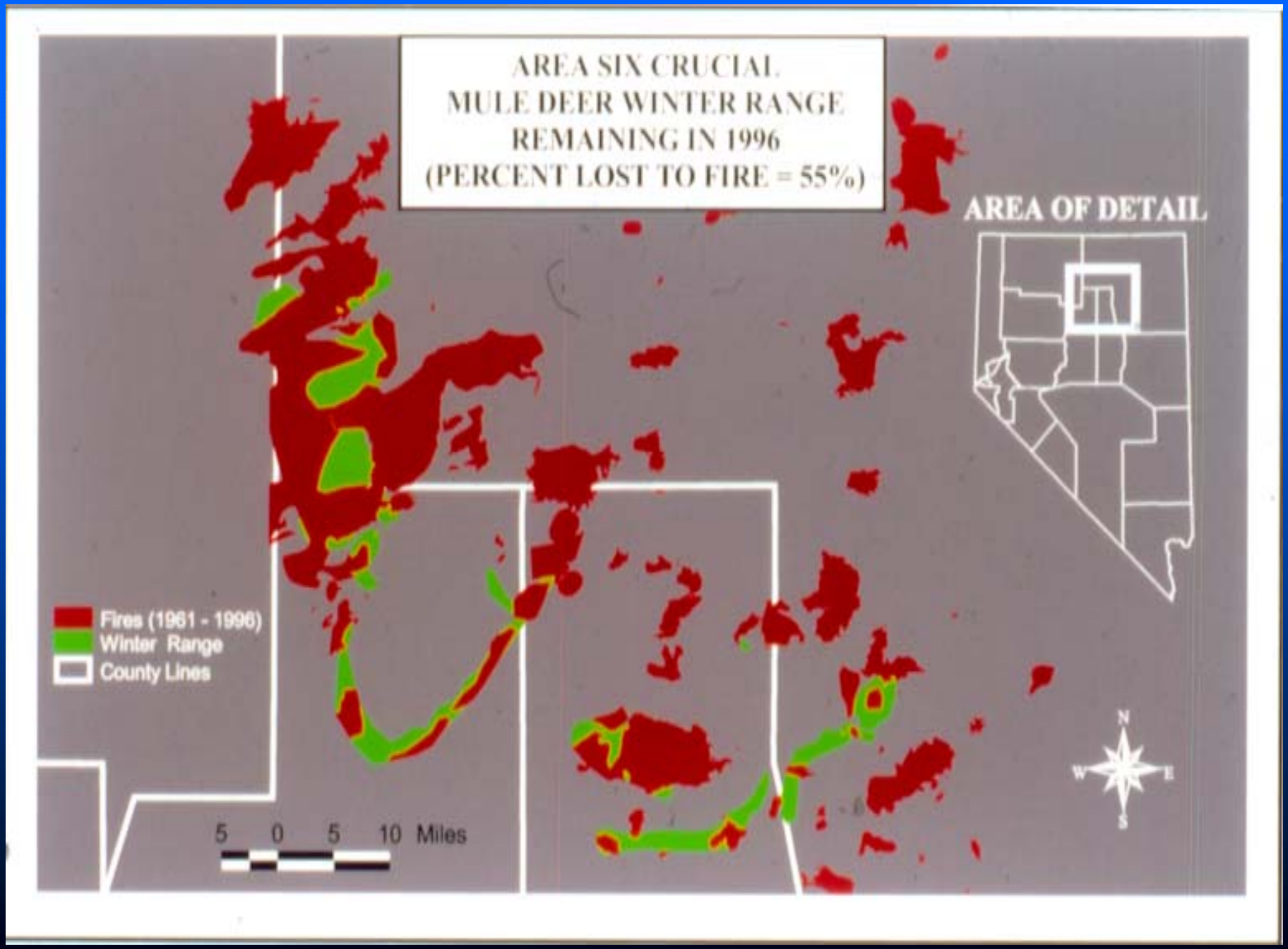
- Area 6 - 71 Fawns/100 Does
- Statewide - 57 Fawns/100 Does

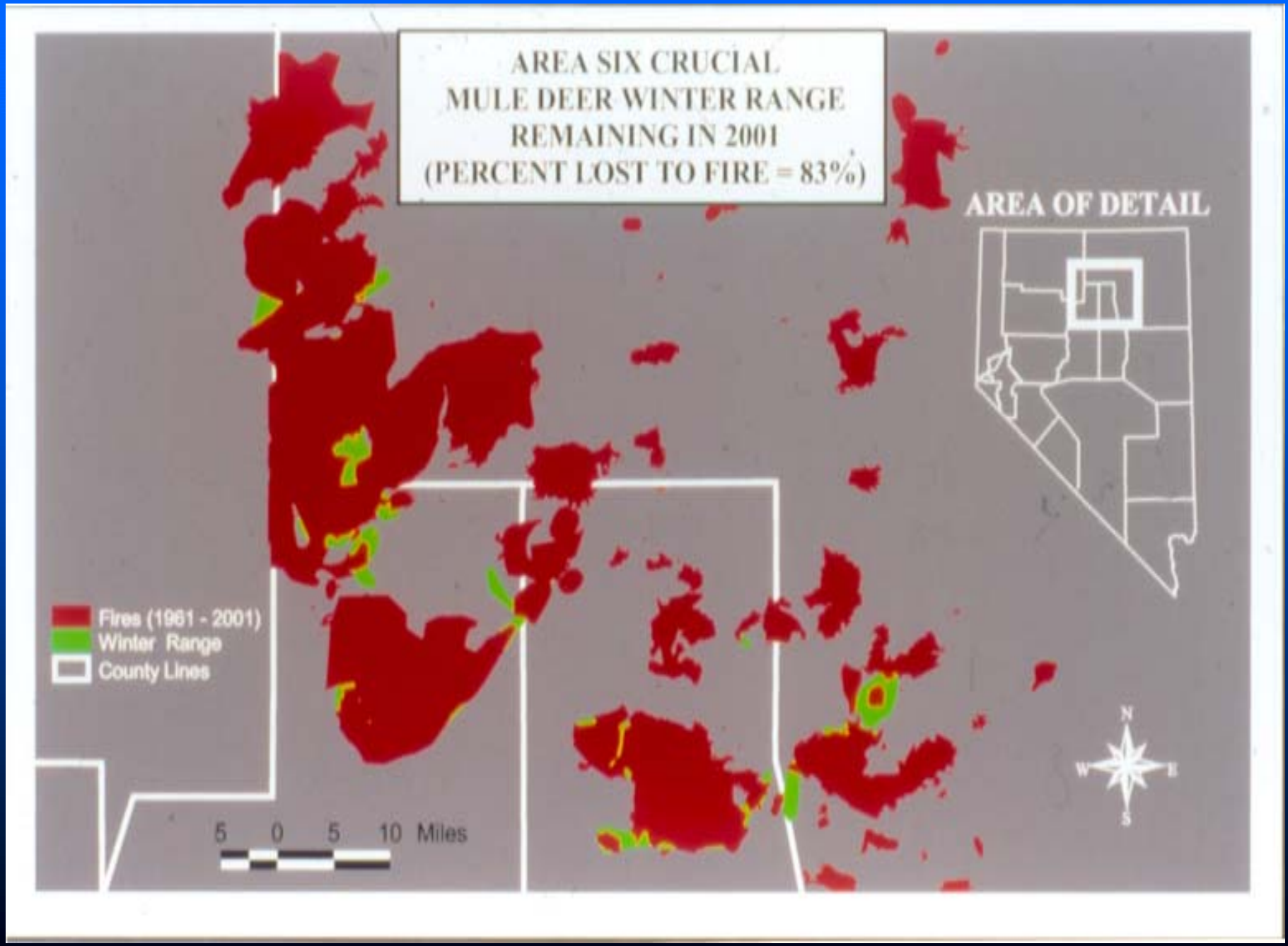





MULE DEER MANAGEMENT AREA 6
061
066
062
067
068
064
065
NEVADA


AREA SIX CRUCIAL
MULE DEER WINTER RANGE
1961
(288 SQUARE MILES)
AREA OF DETAIL
N
W
E
S
5 0 5 10 Miles

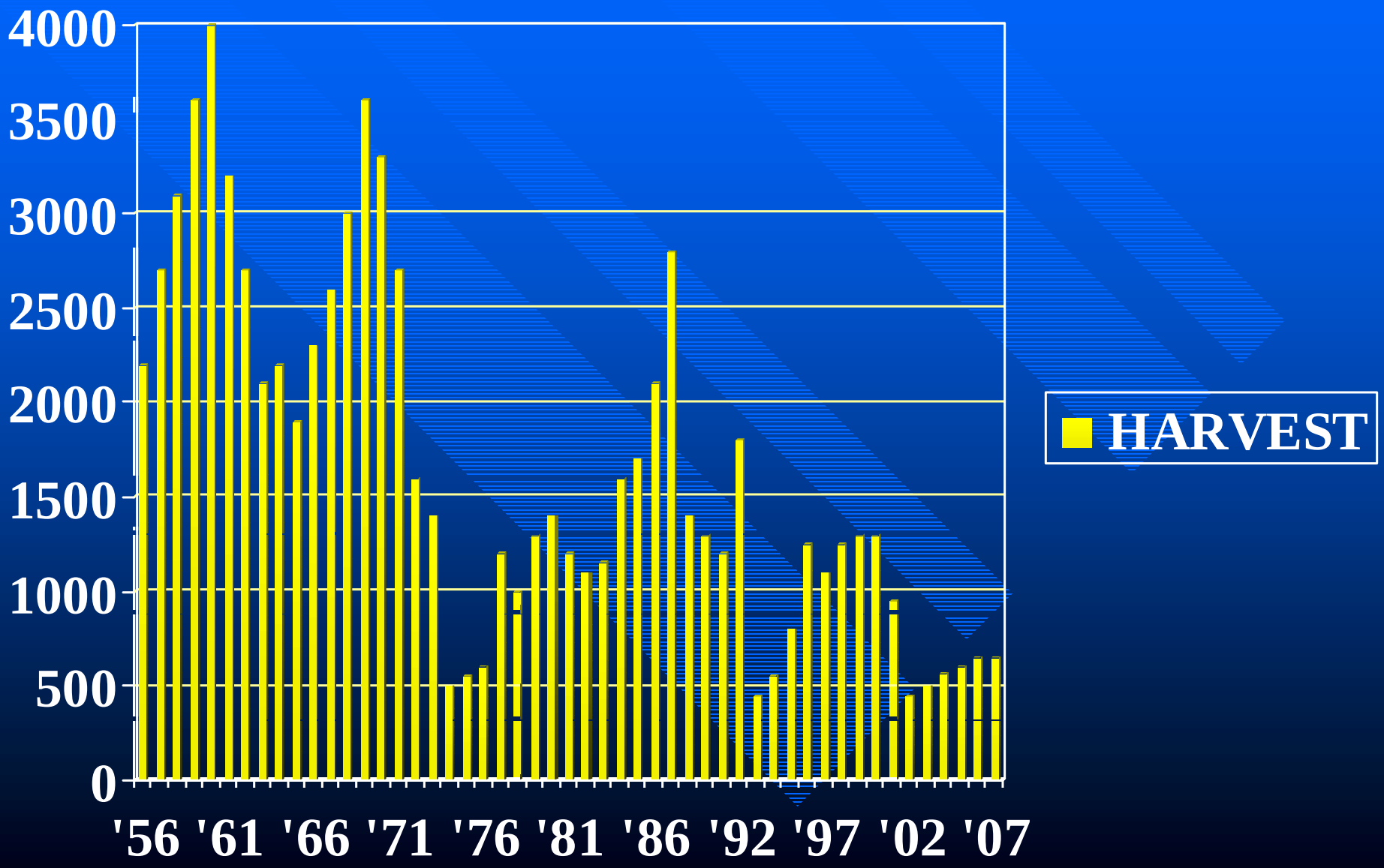

AREA SIX CRUCIAL
MULE DEER WINTER RANGE
REMAINING IN 1996
(PERCENT LOST TO FIRE = 55%)
AREA OF DETAIL
Fires (1961 - 1996)
Winter Range
County Lines
5 0 5 10 Miles
N
W
E
S


AREA SIX CRUCIAL
MULE DEER WINTER RANGE
REMAINING IN 2001
(PERCENT LOST TO FIRE = 83%)
AREA OF DETAIL
Fires (1961 - 2001)
Winter Range
County Lines
5 0 5 10 Miles
N
W
E
S

AREA SIX CRUCIAL MULE DEER WINTER RANGE
(Comparison of 1961, 1996, and 2001)
1961
290 SQUARE MILES
1996
130 SQUARE MILES
2001
50 SQUARE MILES
6 0 6 12 Miles

AREA 6 BUCK HARVEST TREND

1956 thru 2007 (2003-2007 Projected)



IMPACTS OF 2001-2002 WINTER ON SOUTHERN WINTER RANGES

- Estimate a 60-70% fawn loss
- Estimate a 25-30% adult loss
- Estimate a 30-40% decrease in the Area Six Deer Herd