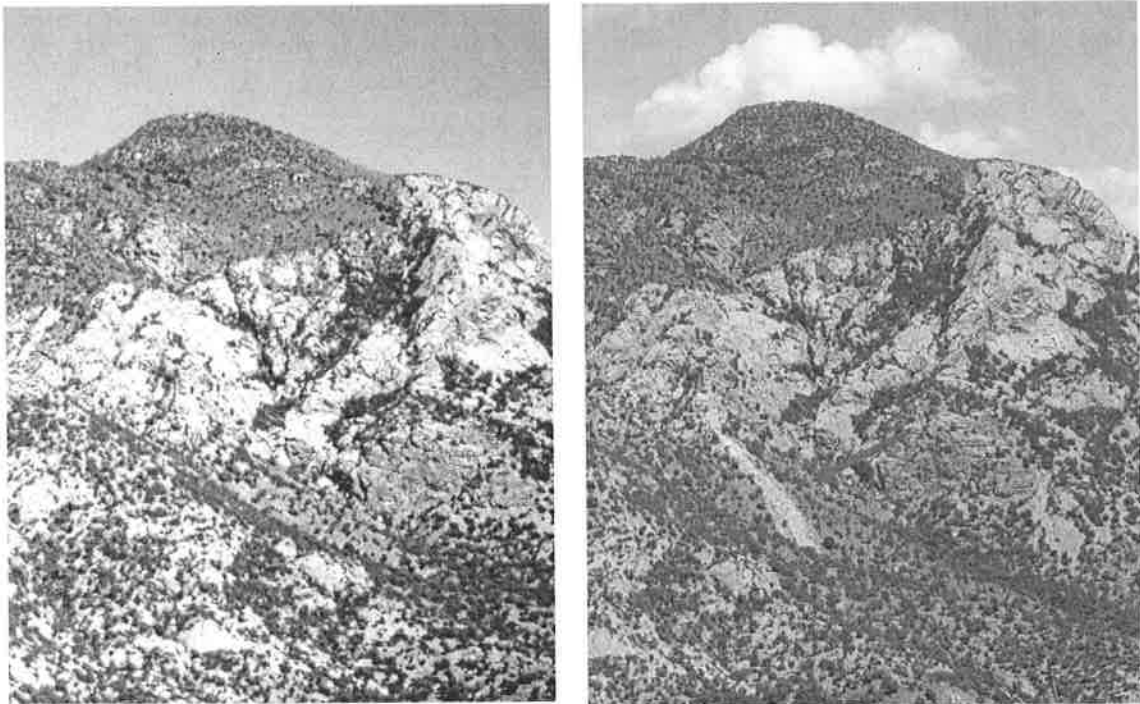


Coronado National Memorial Repeat Photos 1978, 1996-1998, and 2007

Report to Coronado National Memorial
Kara O'Brien and Don Swann
Saguaro National Park
December 2007



View of south side of Montezuma Peak on September 24, 1998 (left) and August 25, 2007 (right) following 2006 flood event. Note prominent rock slide in 2007 photo.

This document contains before and after photographs taken from the same locations at Coronado National Memorial. The original photos were from 1978 and a technical report (Cockrum et al. 1979) on the vertebrates of Coronado National Memorial. They were re-photographed by Dan Bell as a part of the reptile inventory in the late 1990s (Swann and Schwalbe 2002), then re-photographed again by Kara O'Brien and Don Swann in 2007. Kara O'Brien GPS'd these points (NAD 83); the coordinates given are the location of the photographer. Additional photos from 1996-1998 were taken by Don Swann during the inventory field work. A few photos are from 1988 are were scanned from Ruffner and Johnson (1991). The original scanned photos are archived at Coronado National Memorial and Saguaro National Park. This project was supported by Coronado National Memorial. Thanks to Kym Hall, Superintendent, and Michele Girard, Ecologist with the NPS Southern Arizona Group.

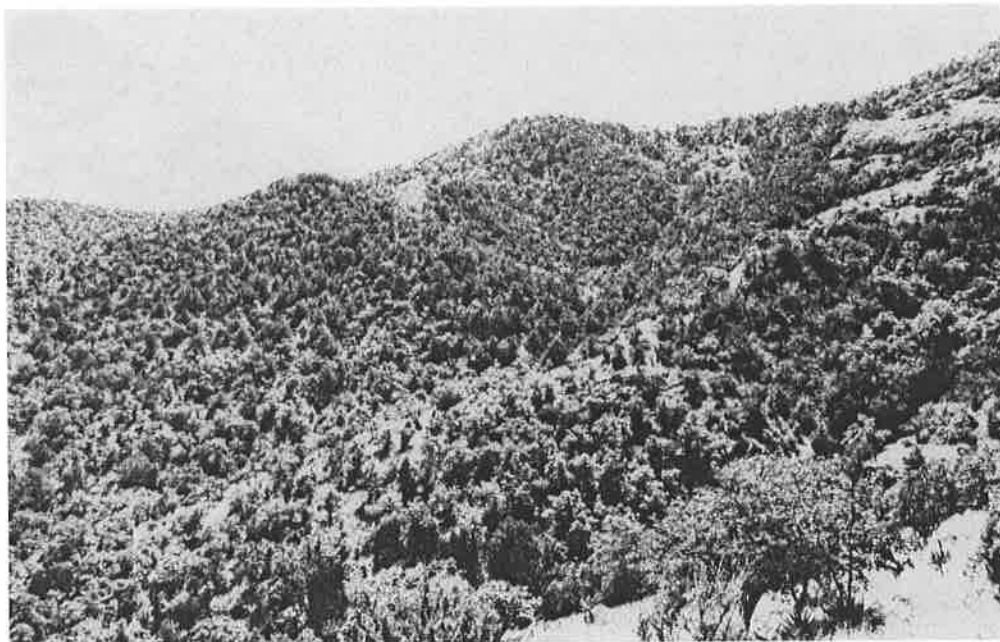
Except where noted, the first photograph in the series was taken in 1978; the second was taken in or near 1998, and the third in 2007.

References:

Cockrum, E.L. Cockrum, C.H. Lowe, S.M. Russell, D. Danforth, T.B. Johnson, and Y. Petryszyn, 1979. Survey of the vertebrate fauna of Coronado National Memorial. Technical Report 5, NPS Cooperative Park Studies Unit, University of Arizona. 124pp.

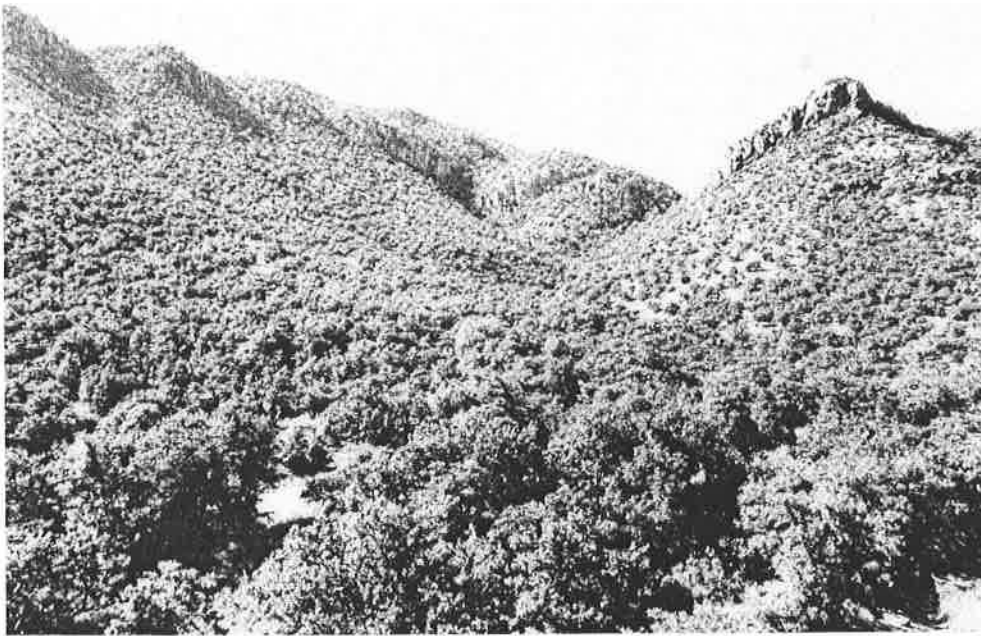
Ruffner, G.A. and R.A. Johnson. 1991. Plant ecology and vegetation mapping at Coronado National Memorial, Cochise County, Arizona. Technical Report 41, NPS Cooperative Park Resources Studies Unit, University of Arizona. 75pp.

Swann, D.E. and C.R. Schwalbe. 2002. Inventory and recommendations for monitoring amphibians and reptiles of Coronado National Memorial, Cochise County, Arizona. Final report to National Park Service Southern Arizona Office (NPS-SOAR).



View of east
slopes of
Coronado
Peak

568510
3468603



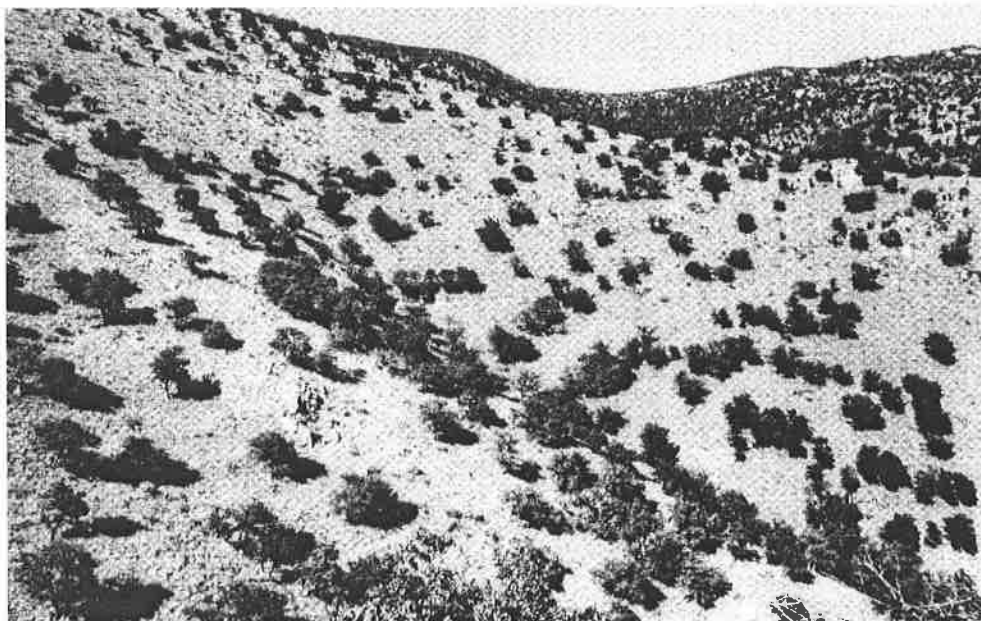
Middle
Montezuma
Canyon
facing south

570736
3468155

Montezuma
Canyon
facing south

570736
3468155

Montezuma
Canyon



Upper
Montezuma
Canyon
facing north

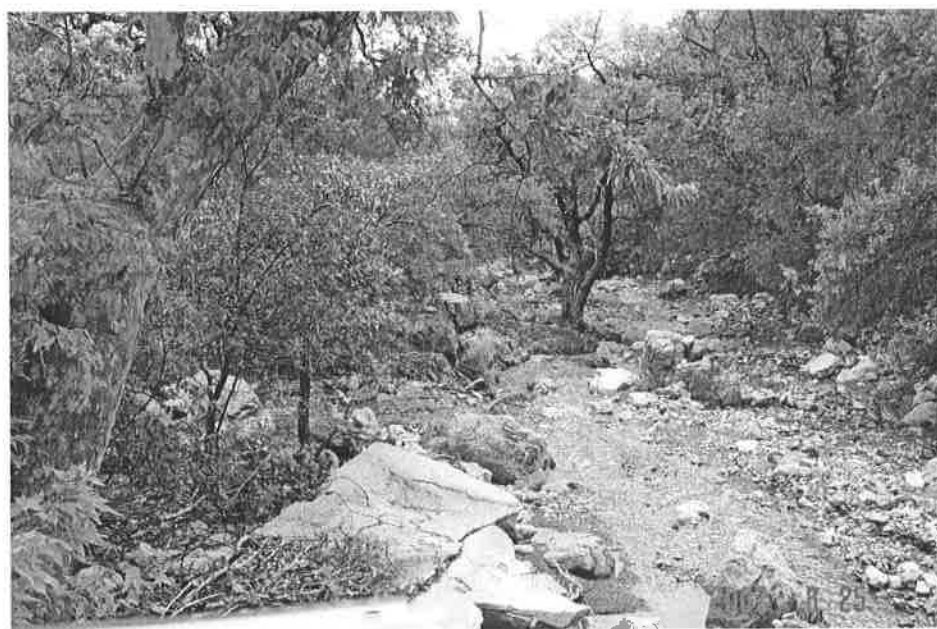
568122
346921



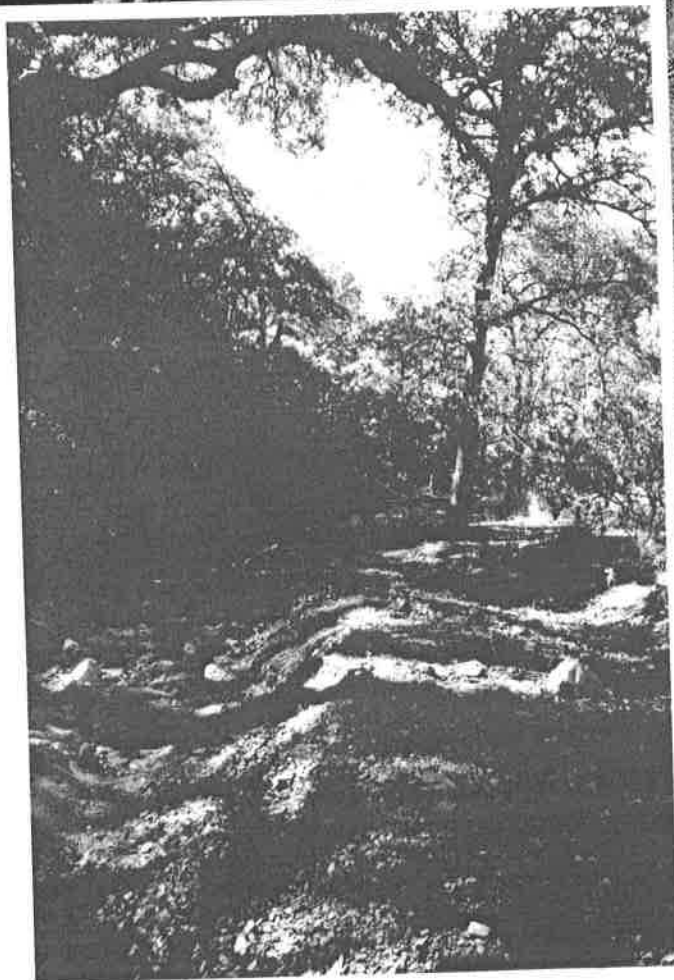
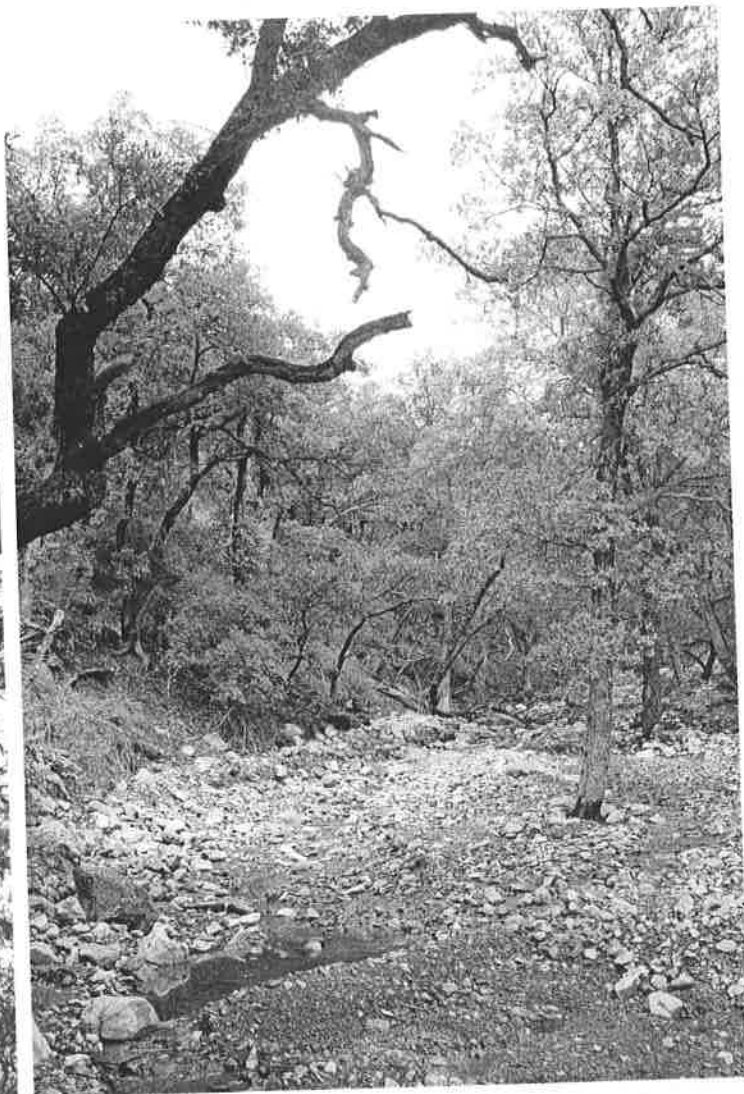
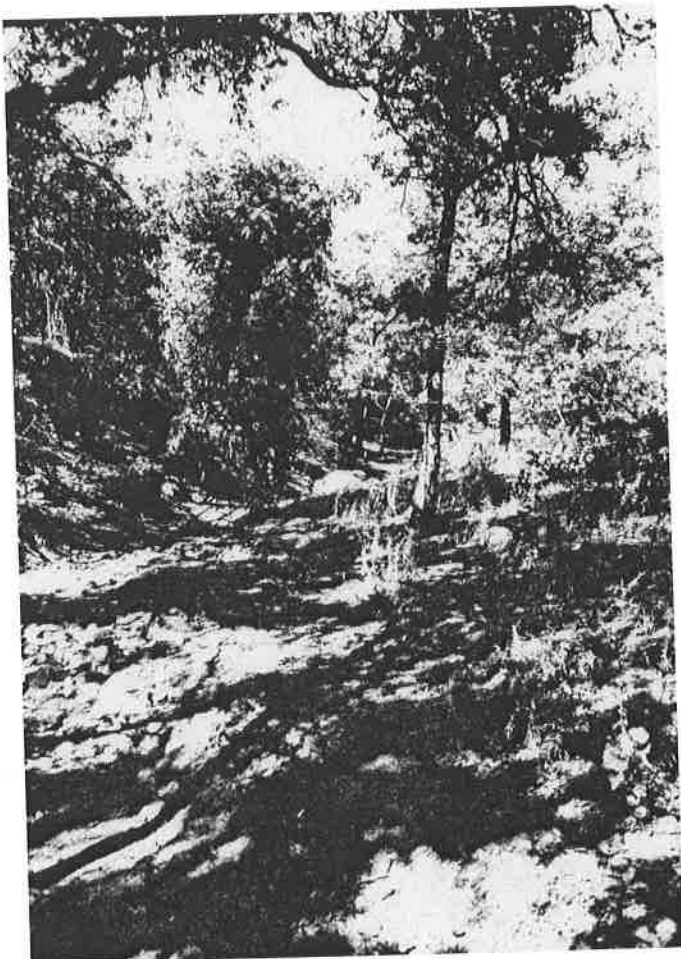


Middle
Montezuma
Canyon
facing east

568995
3468490

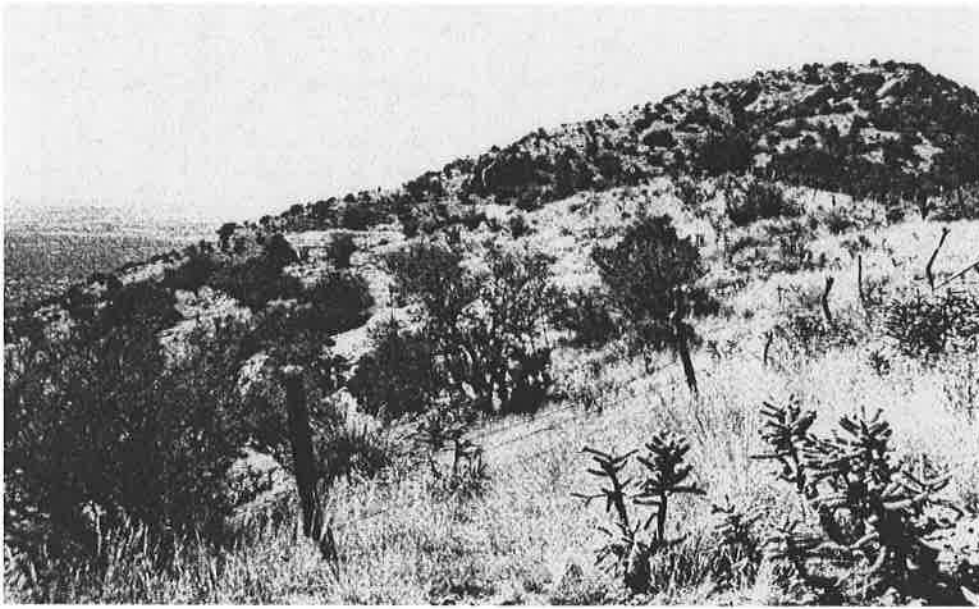


Middle Montezuma Canyon facing west



568995
3468490

Note: Three similar photos
from 1988 are in Ruffner and Johnson
(1991).



View from
Joe's
Canyon
Trail of
Coronado
Peak

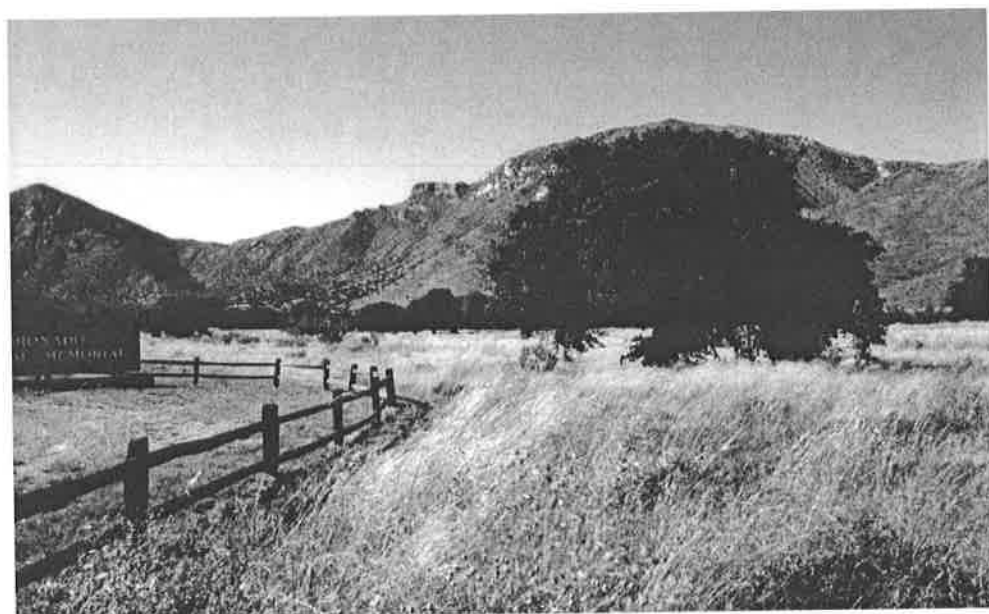
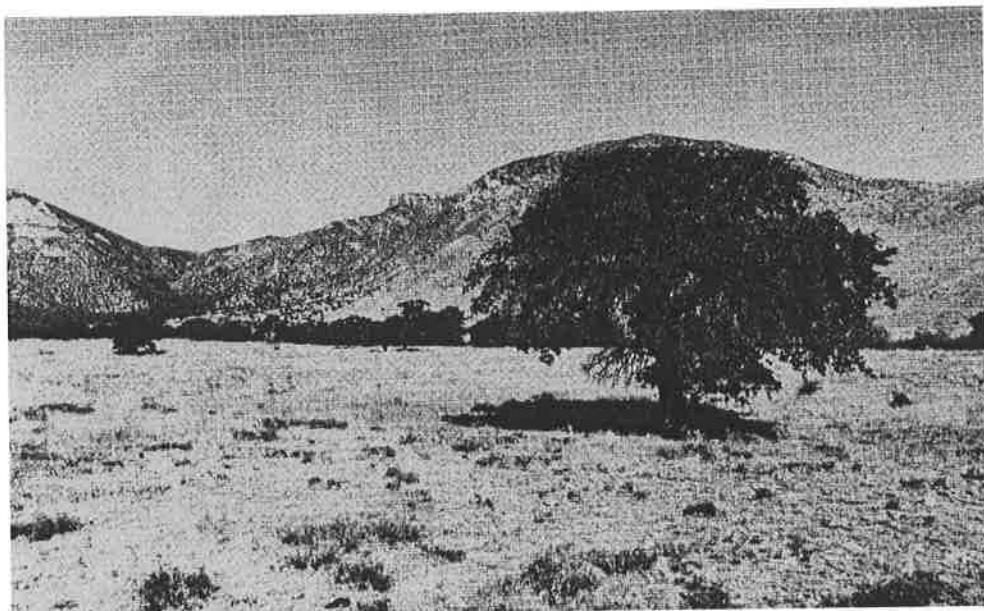
573691
3468524



Views from
Joe's Canyon
Trail just east
of Coronado
Peak

568405
3467930

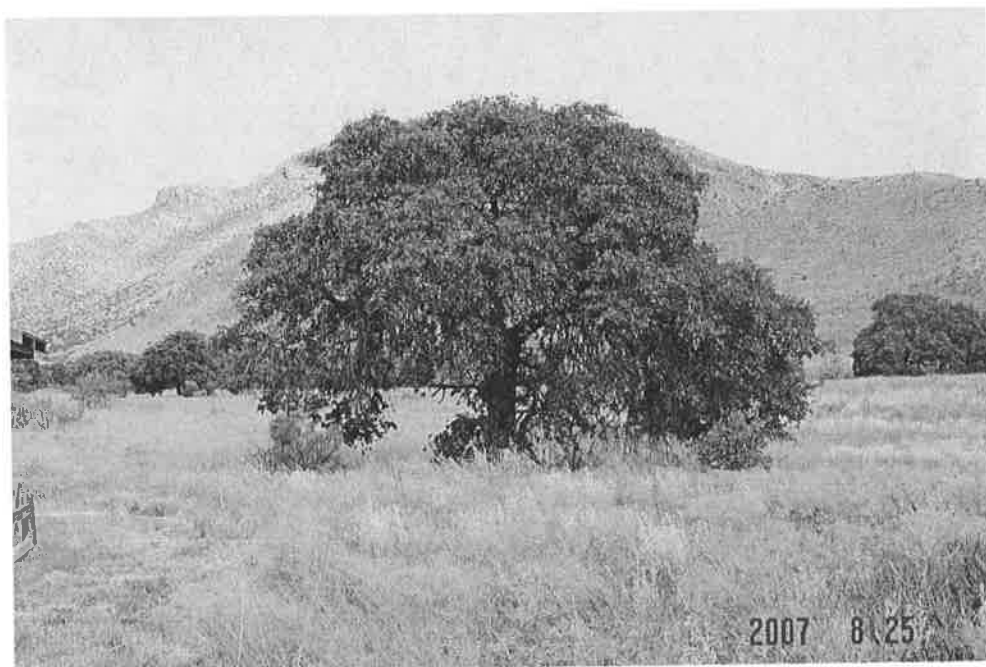




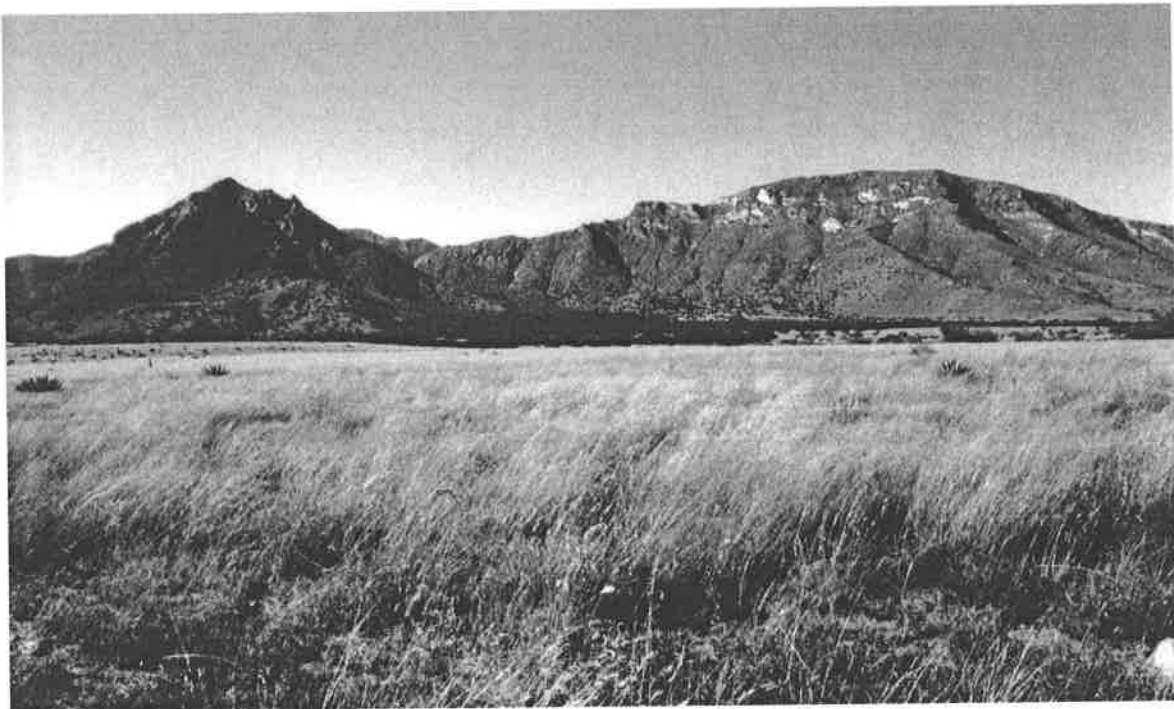
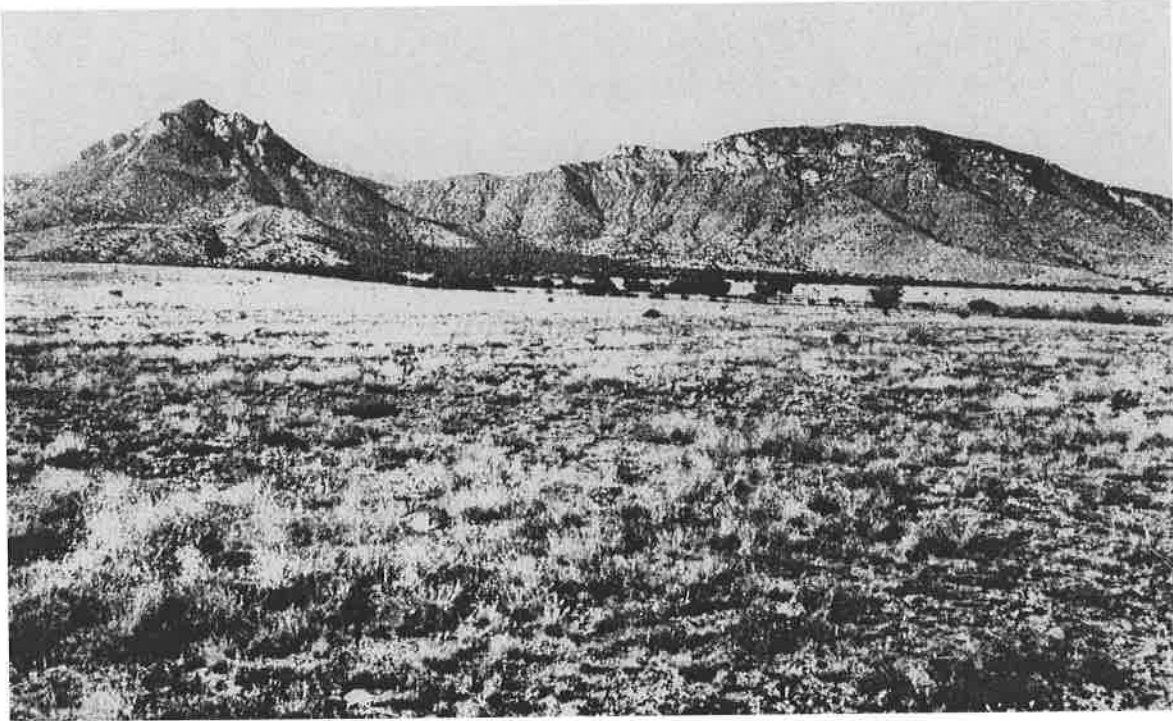
Eastern
Memorial
Boundary
facing
Northwest

573691

3468524

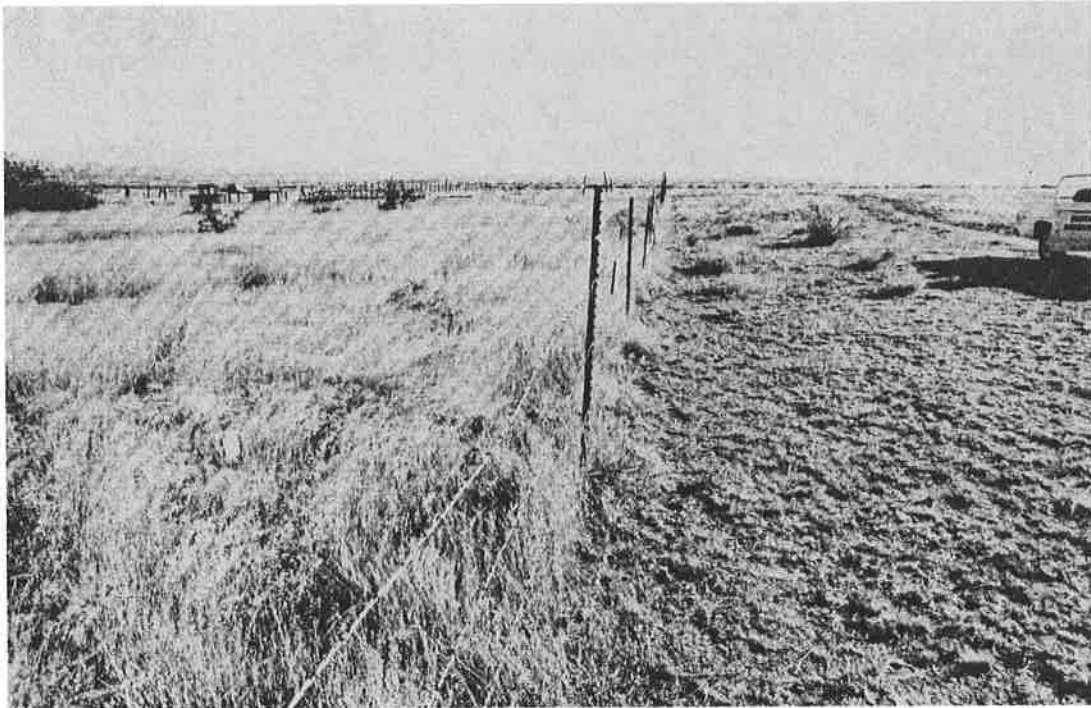


Semi desert Grassland looking
North-westerly towards Lower
Montezuma Canyon



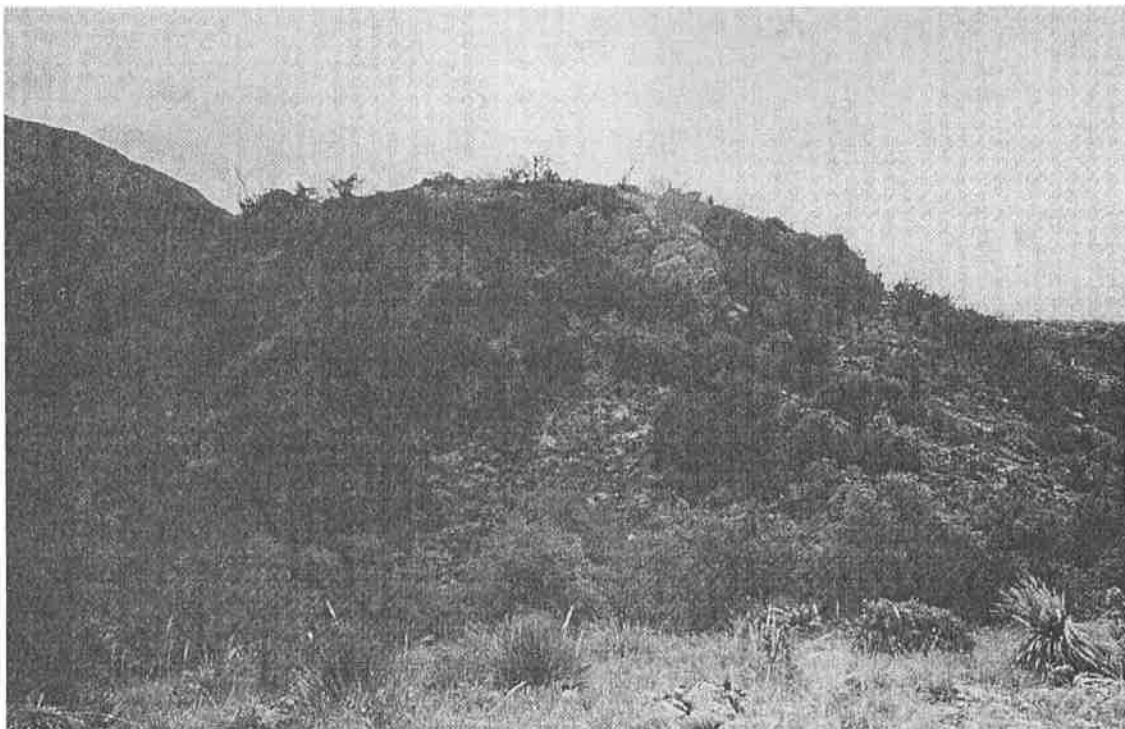
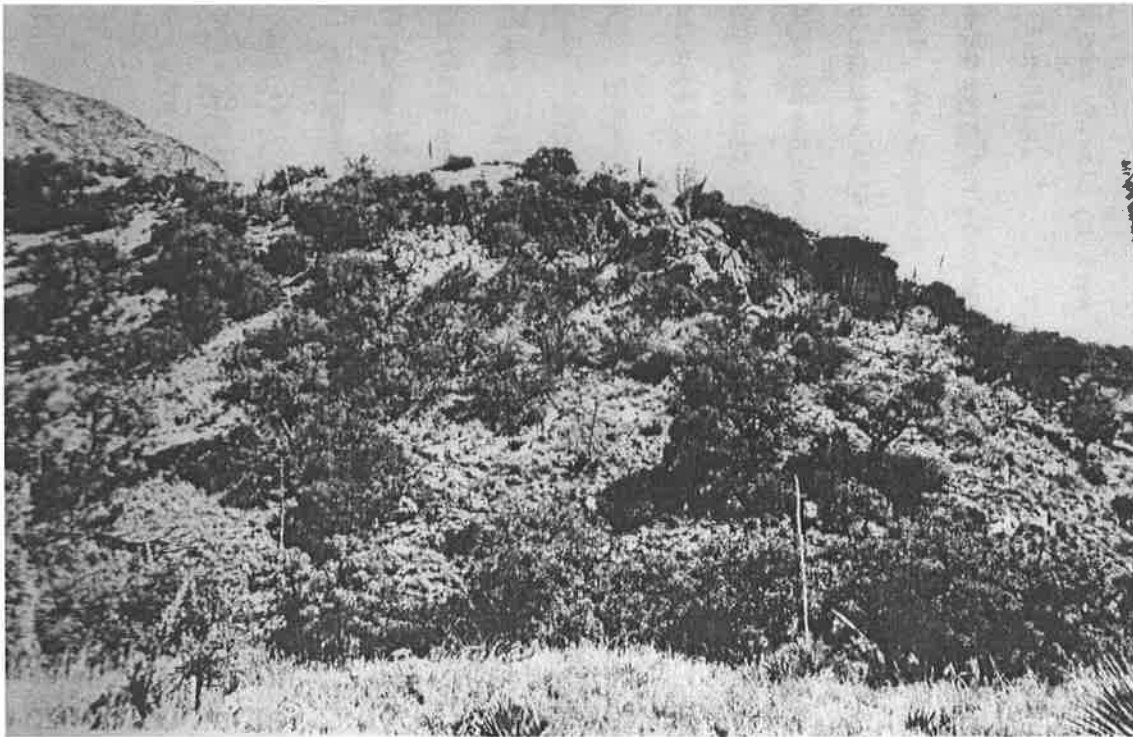
Note: no 2007 photo

Semi desert Grassland looking south-easterly towards Mexico



Note: no 2007 photo

Still Cave Hill, behind housing area, in
1978 and 1988.



Lower photo below is July 1998 (Ruffner and Johnson, 1991)

Still Cave Hill, 1998

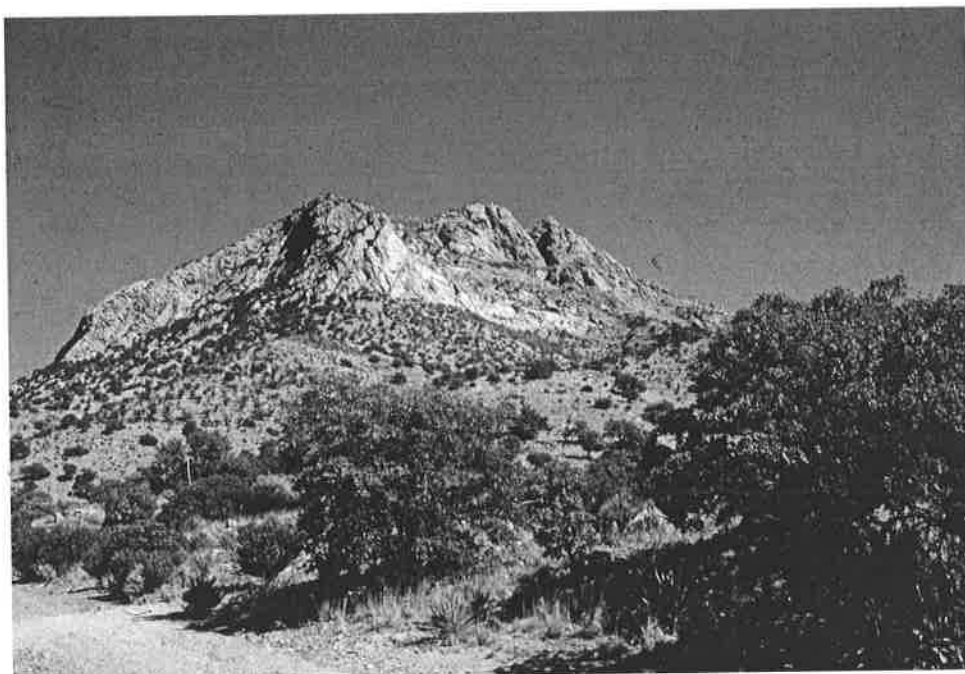


Note: 1998 photo; no 2007 photo taken.

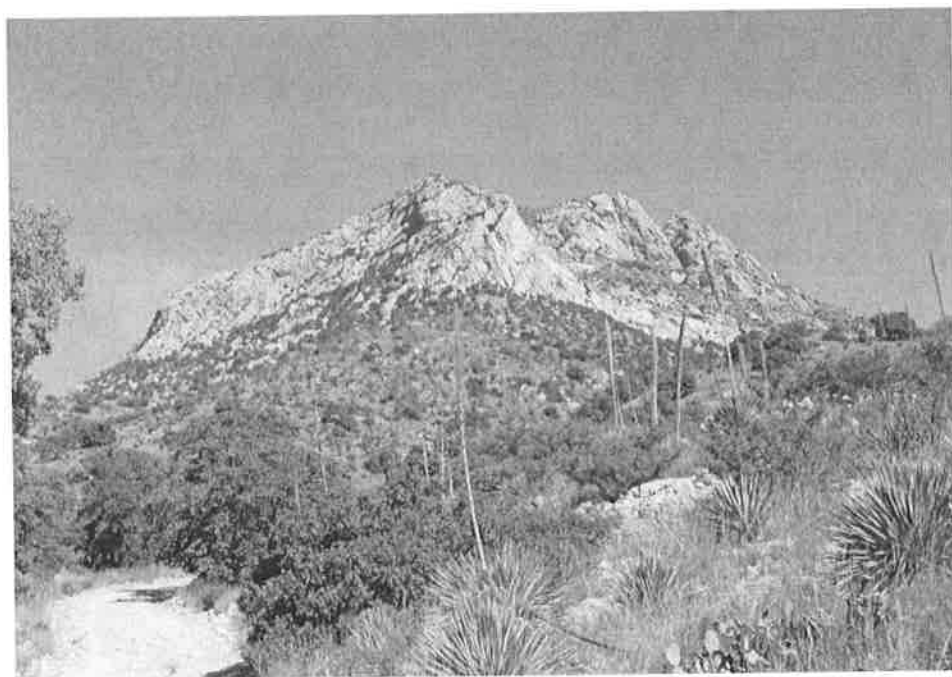
570626, 3468305

Montezuma Peak

1998



9/8/07



Note: no 1978 photo

56839, 3469032

View north to
Clark-Smith area

8/9/1998



8/25/07



Note: no 1978 photo

568760, 3468776

Upper Road Crossing

11/91998



8/25/07



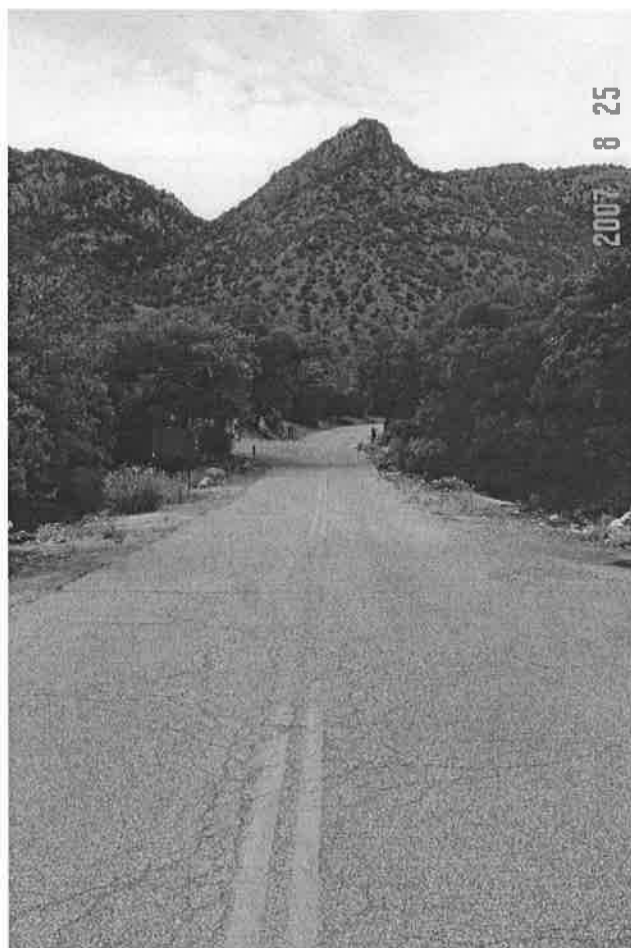
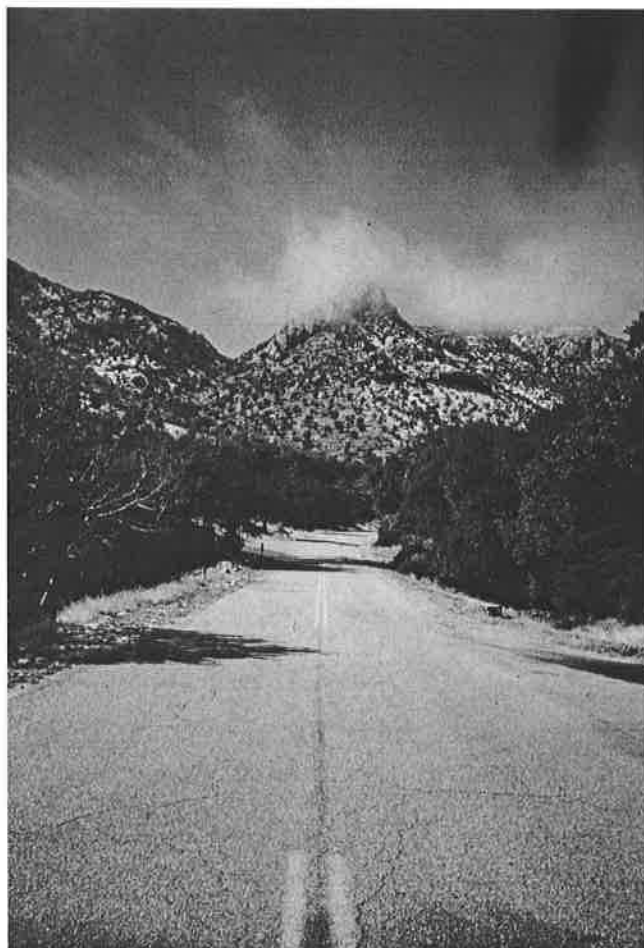
Note: no 1978 photo

570980, 3468171

View west on
Road near
entrance

2/2/1998

8/25/07



Note: no 1978 photo

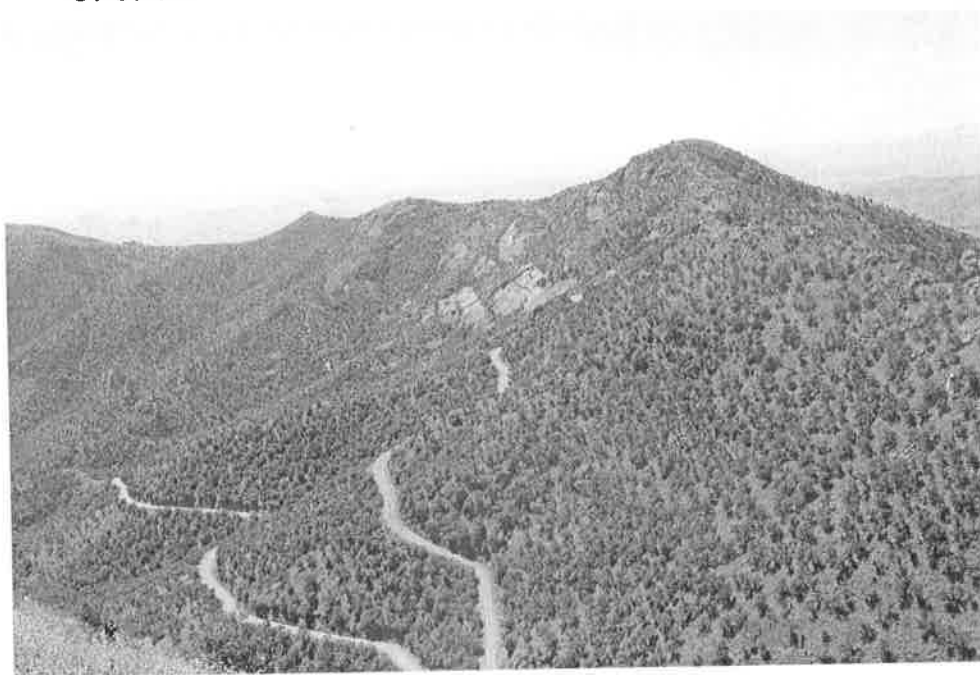
567897, 3469709

View south

8/1/1997



9/8/07



Note: no 1978 photo

567897, 3469708

View from Arizona Trail

8/1/1997



9/8/07

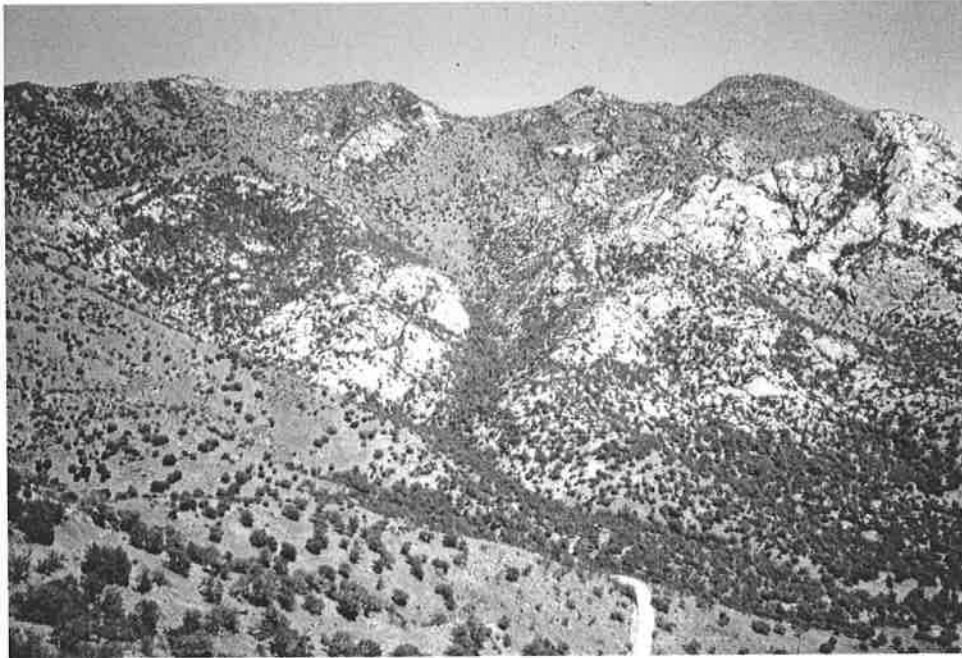


Note: no 1978 photo

567979, 3468678.

View northeast;
note rockslide

9/24/1998



8/25/07

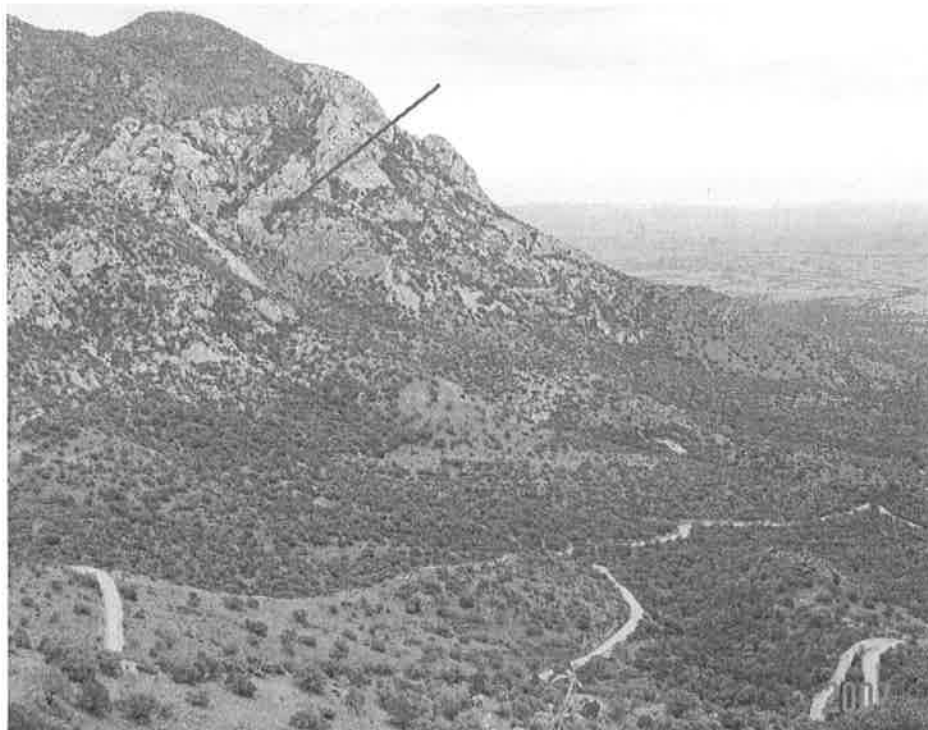
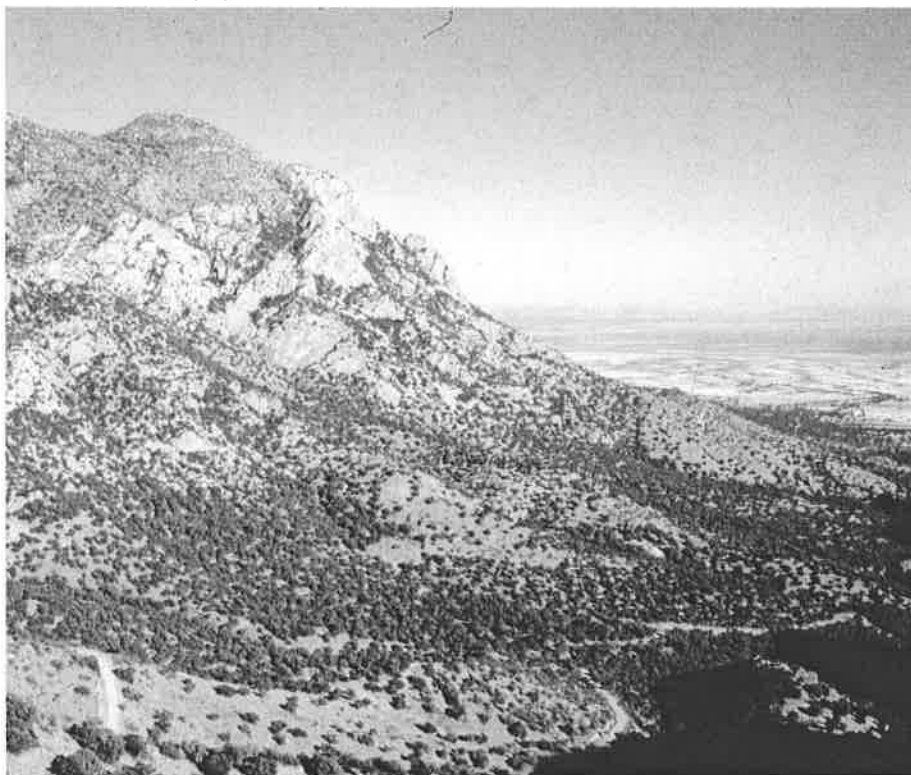


Note: no 1978 photo

567977, 3468677

Montezuma Peak; note rockslide

3/15/1996



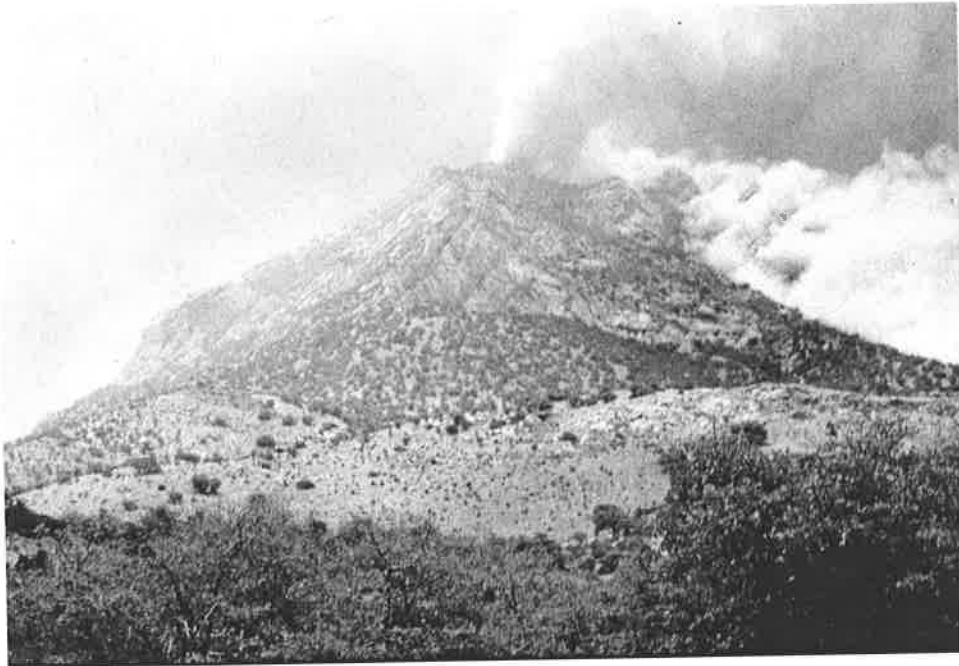
8/25/07

Note: no 1978 photo

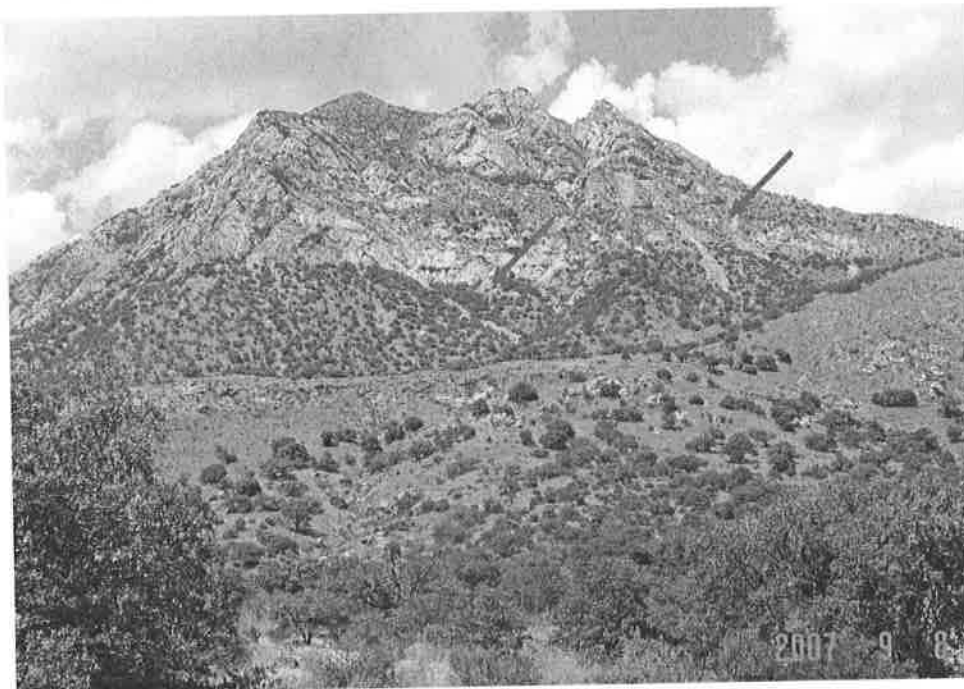
571251, 3668276

Peak Fire, June 1998

View NW to
Montezuma Peak;
note rockslides



9/8/07

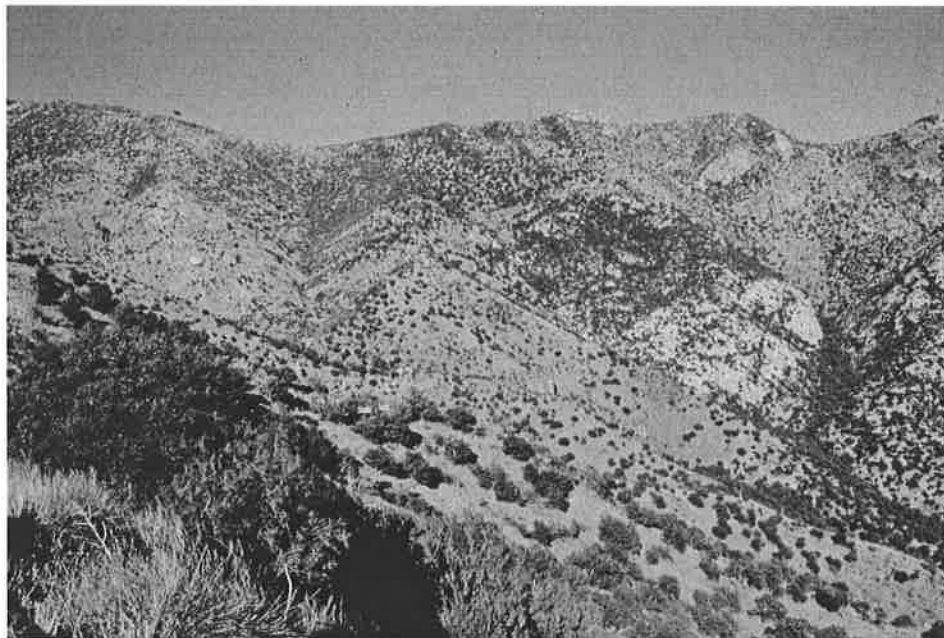


Note: no 1978 photo

0567980, 3468686

View north from
Joe's Canyon Tr.

12/15/1996



9/8/07



Note: no 1978 photo