



Wolf Recovery Planning

August 24, 2017

New Mexico State Game Commission Meeting

Albuquerque, NM

- 
- **Written in 1982**
 - **No delisting criteria**
 - **No population goal**

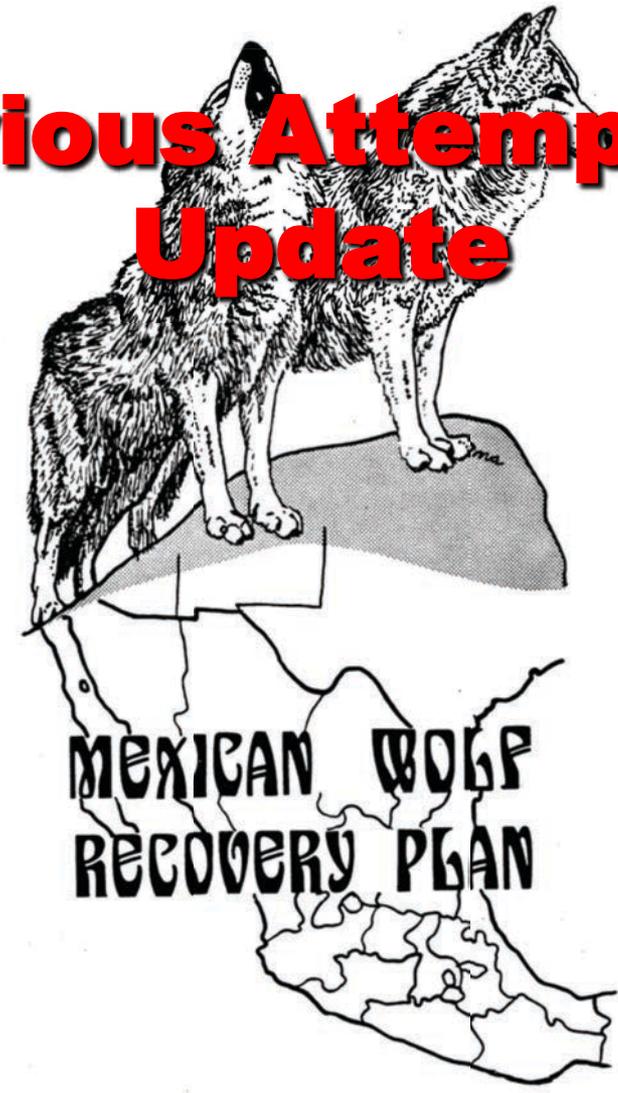


1982



- **1995**
- **2003**
- **2010**

Previous Attempts to Update



1982

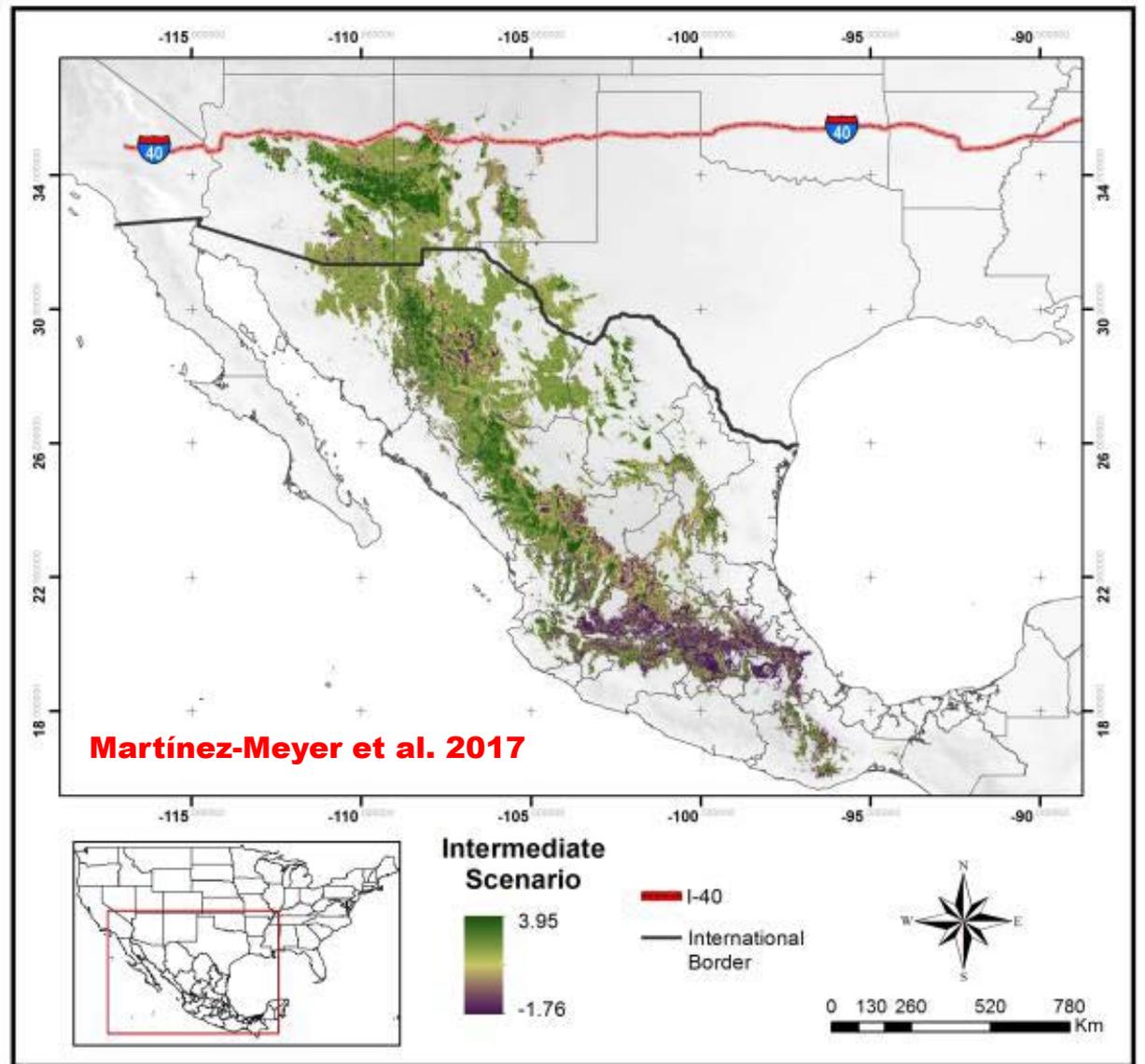
Current Effort

- **Recovery Workshops held December 2015, March 2016, April 2016, August 2016, November 2016, and February 2017**
- **Draft recovery plan released June 29, 2017**
- **Settlement agreement to finalize a plan by Nov. 2017**

http://www.wikiwand.com/es/Sierra_Madre_Occidental

Habitat

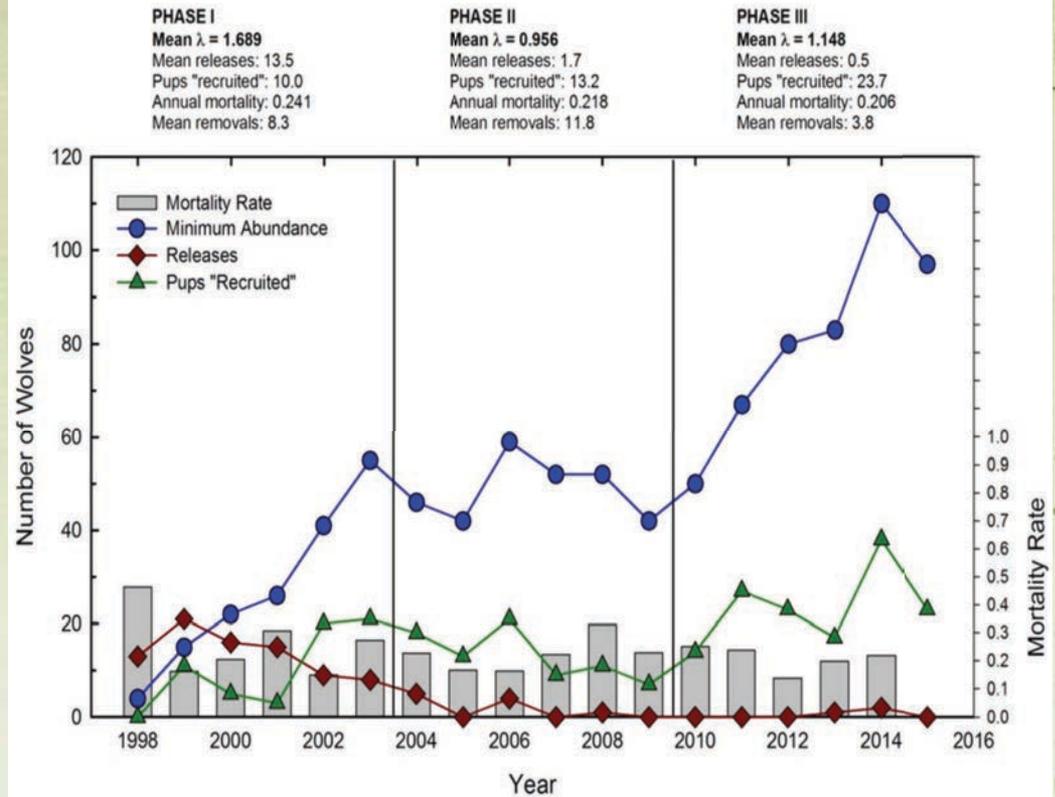
- Reanalyze of habitat within historic range



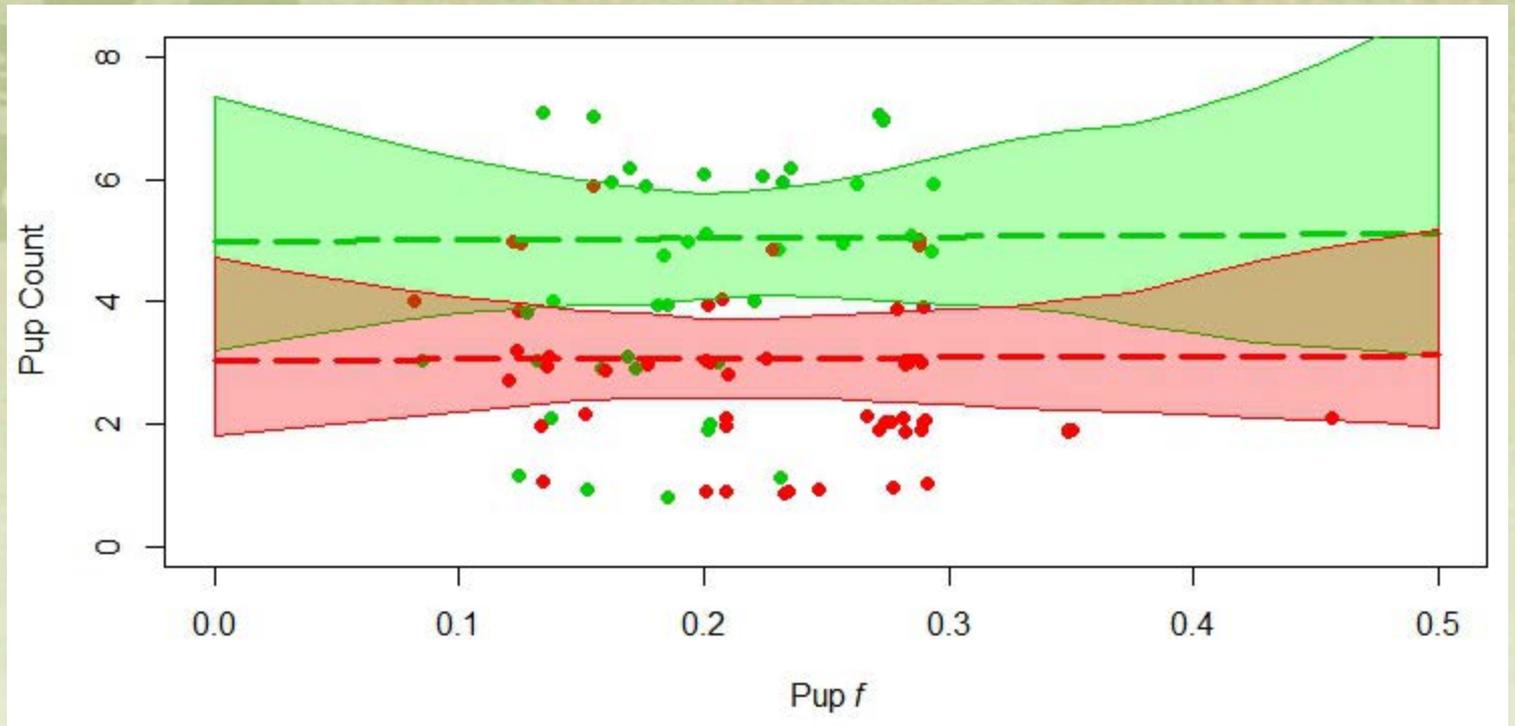
Biological Info

- **Update with current data**
- **Examine extinction risk**
- **Determine necessary numbers**

Mexican Wolves in the BRWRA: 1998 - 2015



Biological Info



Clement and Cline 2016

Recovery Criteria

1. Minimum of two populations meeting abundance and genetic criteria

United States

- a) Average population abundance is ≥ 320 over 8 consecutive years
- b) The genetic diversity available from the captive population has been incorporated into the population so that 22 released wolves have survived to breeding age.

Mexico

- a) Northern Sierra Madre Occidental average population abundance is ≥ 170 over 8 consecutive years
- b) The genetic diversity available from the captive population has been incorporated into the population so that 37 released wolves have survived to breeding age.

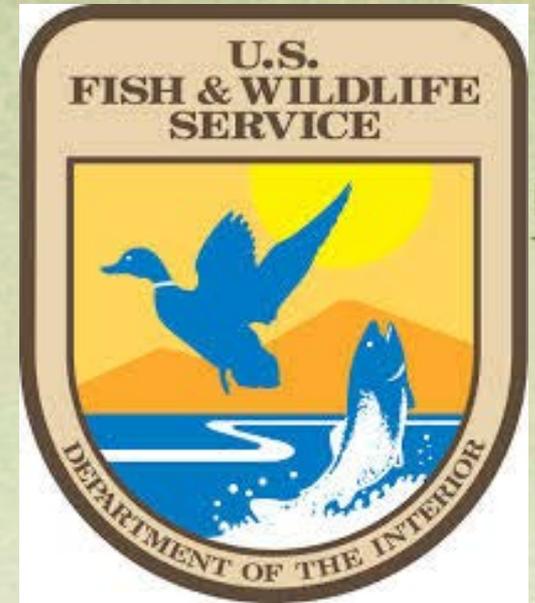


Recovery Criteria

2. Effective state and tribal regulations are in place in the MWEPA in those areas necessary for recovery...Mexico has a proven track record protecting Mexican wolves...

Plan Requirements

- **Objective and Measurable criteria**
- **Site – specific management actions**
- **Estimates of time and cost**





Questions?