Migration Science and State Wildlife Agency Collaboration Implementing SO3362

Jim Heffelfinger, Arizona Game and Fish Department, Wildlife Science Coordinator and Chair of the WAFWA Mule Deer Working Group



Wyoming Migration Initiative

GPS Technology reveals movements

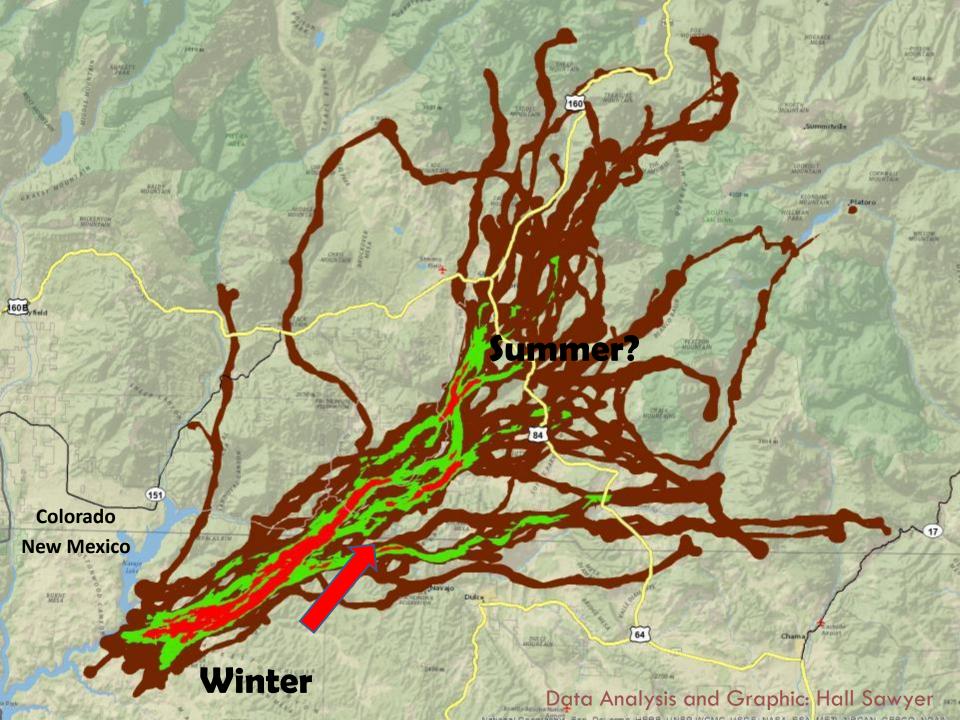
Summer Range

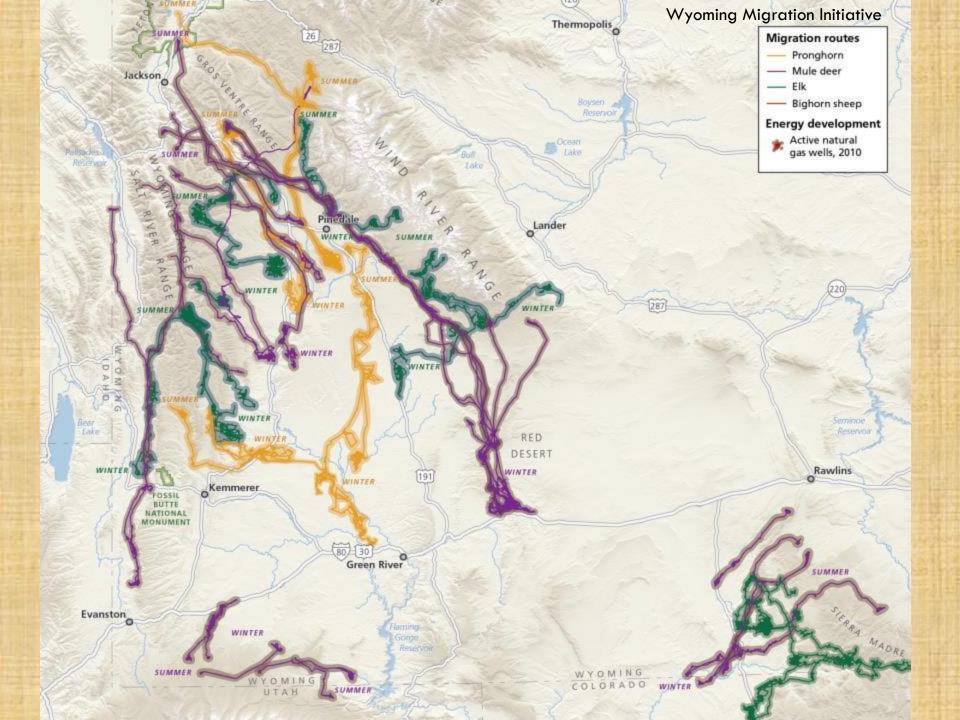
Winter Range

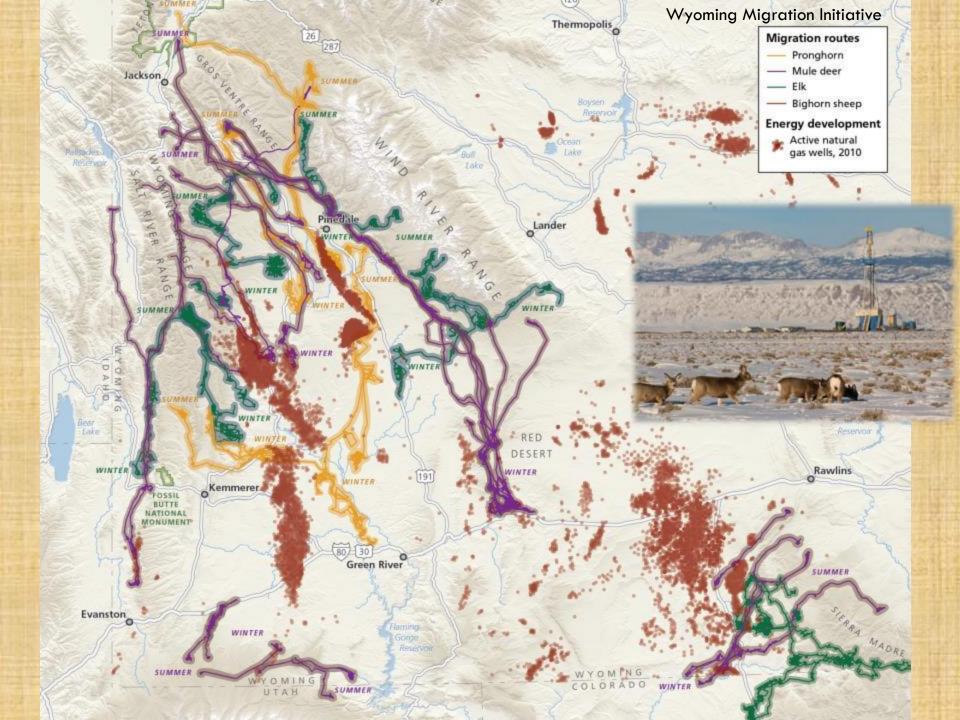
Wyoming Migration Initiative

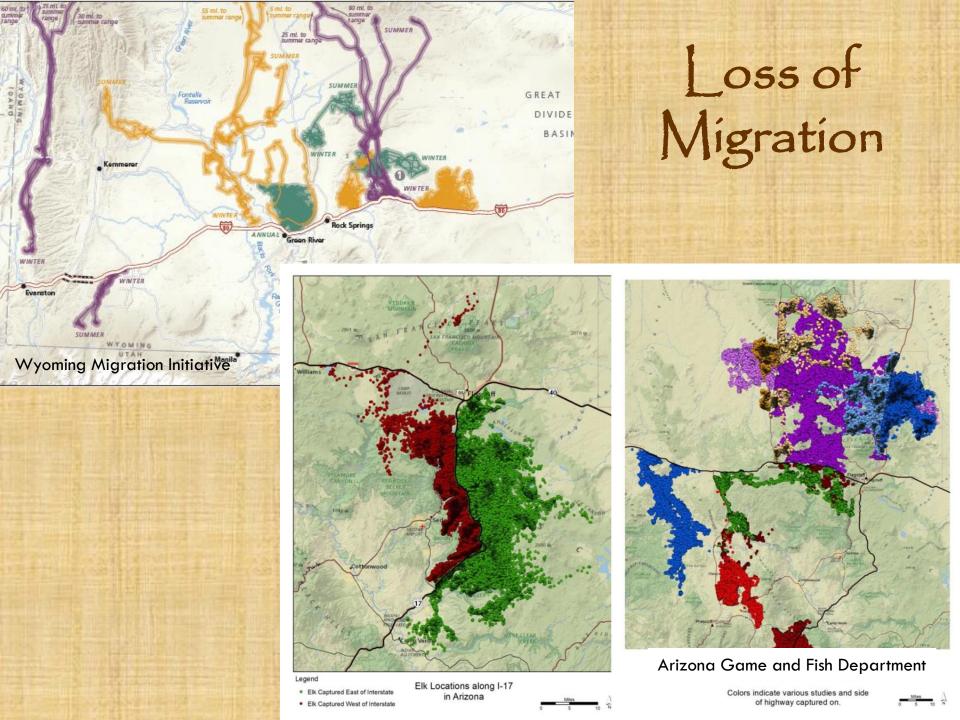
Movements and Stopovers during migration

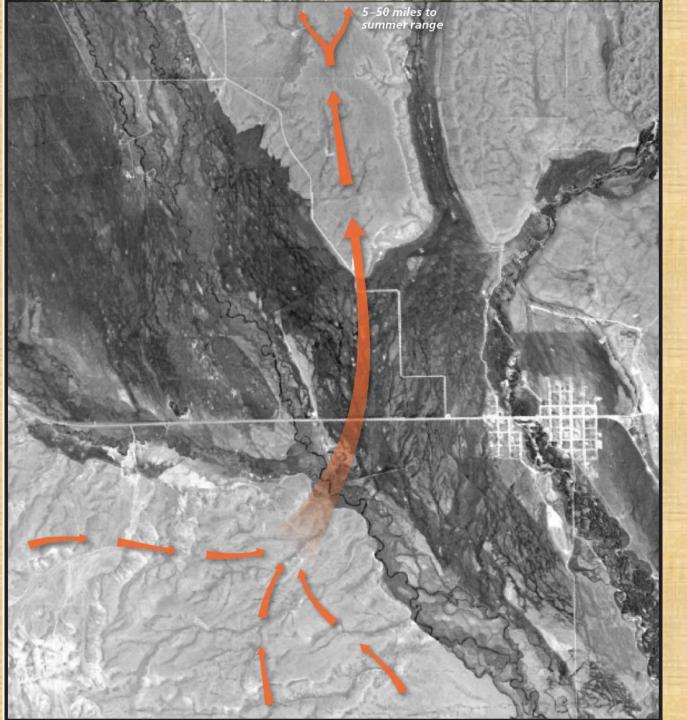












Pínedale Wyomíng 2954

Wyoming Migration Initiative



WYOMING

MIGRATION INITIATIVE

Understanding & Conserving Ungulate Migration

Mule Deer Working Group





Salem, OR ~ October 24, 2017 (CA, OR, WA, UT)

-

Agenda Workshop #1 Salem, OR California/Oregon/Washington



Morning (all participants)

- Migration science and conservation
- **Migration tools**
- Federal policy for migration corridors
- WGFD (via skype) incorporating data into State policy



MIGRATION MAPPER



<u>Afternoon (biologists with data)</u>
Analyze data with Migration Mapper consultation from WMI personnel



Secretarial Order 3362



Mesquite, NV ~ June 5-6, 2018 (Nevada/Arizona/Utah)

Laramie, WY ~ August 28-29, 2018 (Wyoming/Colorado/New Mexico/Texas)

Bozeman, MT ~ September 19-20, 2018 (Montana/Idaho)

Bureau of Land Management and Secretarial Order 3362

Improving Habitat Quality in Western Big-Game Winter Range & Migration Corridors

WILDLIFE MOVEMENT AND MIGRATION -CHAT WORKSHOP

Wildlife Movement and Migration Workshops

- 4 workshops
- 262 total attendees
- 13 states, including all 11 mentioned in SO3362
- Attendees
 - 80% state agency people
 - 15% Federal agency staff
 - 5% Transportation departments or academia
- 110 state agency staff trained in using migration analysis software
- Follow-up Webinar in December attended by 150 additional agency staff



SO3362 Implementation Steps

 June - Letter to state agency directors requesting identified corridors and winter range and also asking for proposals for research needs.

· Oct - Replies converted to State Action Plans

 Oct - Funds made available for identified research needs (\$3.2 million +\$300K for science support)

 March - More funds available for habitat work in corridors and winter range identified in State Action Plans (\$2.7 Million, \$1.5 Million [private land])



WYOMING MIGRATION INITIATIVE

Understanding & Conserving Ungulate Migration



U.S. DEPARTMENT OF THE INTERIO BUREAU OF LAND MANAGEMENT



U.S. FISH & WILDLIFE SERVICE
 WESTERN ASSOCIATION OF FISH AND WILDLIFE AGENCIES

 Crucial Habitat Assessment Tool

 CHAT
 Mapping Fish and Wildlife Across the West

MULEZDEER

FOUNDATION

THE

PH)

CHARITABLE TRUSTS



WESTERN ASSOCIATION OF FISH & WILDLIFE AGENCIES