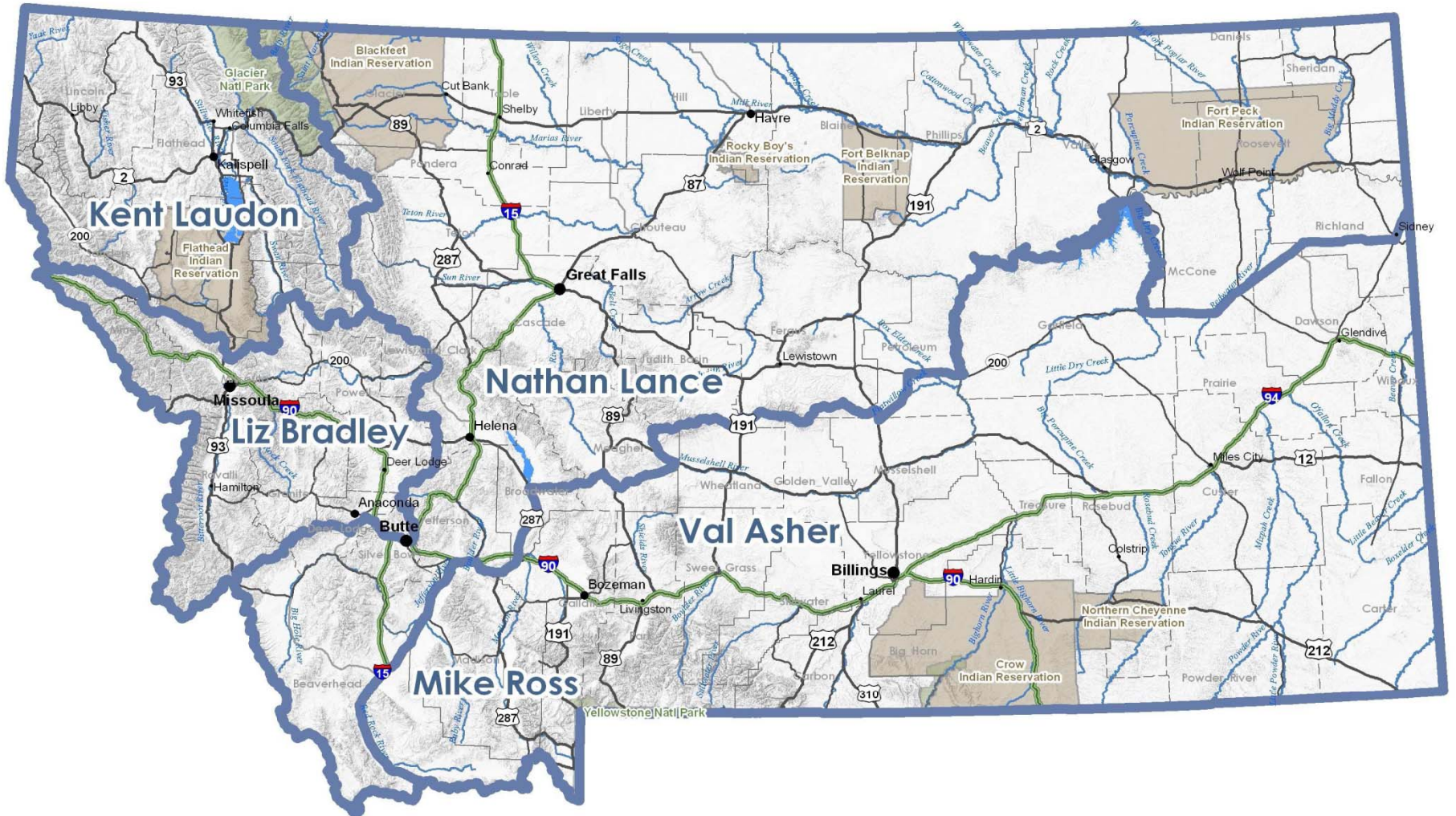


# Counting Wolves in Montana



# FWP Wolf Specialist Areas



**Montana Fish,  
Wildlife & Parks**

Map produced: MFWP - CRR 6/2008  
1420 #. 6th Ave.; Helena, MT 59620

File: IS\_Requests08\5116\_WolfSpecialistMap\WolfBios.mxd

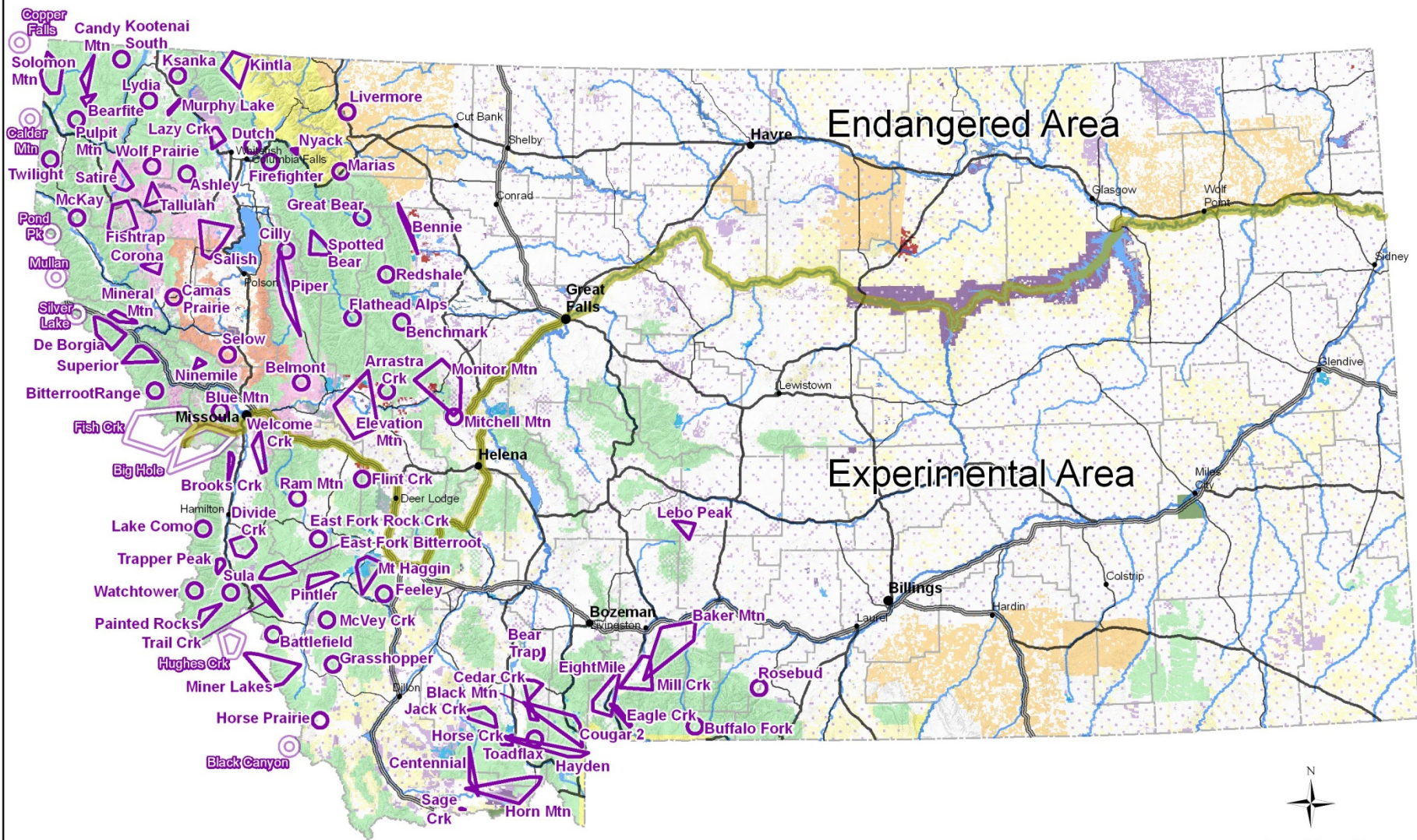
- **Finding Wolves**
- **How We Count Them**
- **Accuracy of Count**



- **Finding Wolves**
- How We Count Them
- Accuracy of Count



# 2008 Montana Wolf Pack Locations



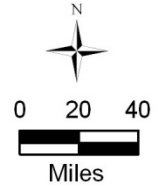
Montana Fish, Wildlife and Parks Information Services Division generated wolf pack locations from telemetry locations and other data provided by US Fish & Wildlife Service, National Park Service, Idaho Fish & Game, Nez Perce Tribe, and Wyoming Game & Fish. All other data layers from Montana Natural Resource Information System, Idaho and Wyoming data clearinghouses. Other data layers digitized at 1:100,000.

Montana Fish, Wildlife and Parks; 1420 E. 8th Ave, Helena, MT 59620  
 AnnualProjects/WolfReport/2008\_Season - MT\_Packs\_small.mxd 3/6/2009 MAM

- Management Area Boundary
- Montana Packs
- Idaho Packs - Montana Border

### Ownership Legend

- |  |                                |                            |
|--|--------------------------------|----------------------------|
| Bureau of Land Management                    | U.S. Forest Service            | State Trust                |
| Bureau of Reclamation                        | Other US Dept of Agriculture   | MT Fish, Wildlife, & Parks |
| Army Corps of Engineers & US Dept of Defense | U.S. Fish & Wildlife Service   | University & Institutions  |
| National Park Service                        | Bureau of Indian Affairs Trust | County & City              |
| Private Conservation                         | Tribal                         | Plum Creek Timber Company  |
|  | Other private                  |                            |







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# Public Reports



- Web Site
- Check Stations
- Field Offices
- Other Agencies

A green "Wolf Observation Card" from Montana Fish, Wildlife & Parks. The card is filled out with handwritten information. The date is 1/26/05, time is 4:00 am, and the observer is Joe Public. The address is 1320 Middle Branch. The location of observation is in Carbon County, near Custer National Forest, 3 miles SW of Crotcher Peak. The GPS location is 47°N 107°13'40" W, 6208314. The type of observation is "Howling".

Montana Fish, Wildlife & Parks  
Wolf Observation Card

Date: 1/26/05 Time: 4:00 am (am)  
Observer: Joe Public Phone: (406) 456-0322  
Address: 1320 Middle Branch

Location of observation: County Carbon or National Forest Custer  
Drainage and/or nearby landmark (i.e. Willow Creek, 2 miles NW of Red Lodge):  
3 miles SW of Crotcher Peak  
GPS location or township / range / section number:  
47N 107°13'40" W 6208314

Type of observation (circle):  Live  Dead  Howling  Track  Den  Scat  
Wolf kill  Scat post  Trapped  Other



- Finding Wolves
- **How We Count Them**
- Accuracy of Count

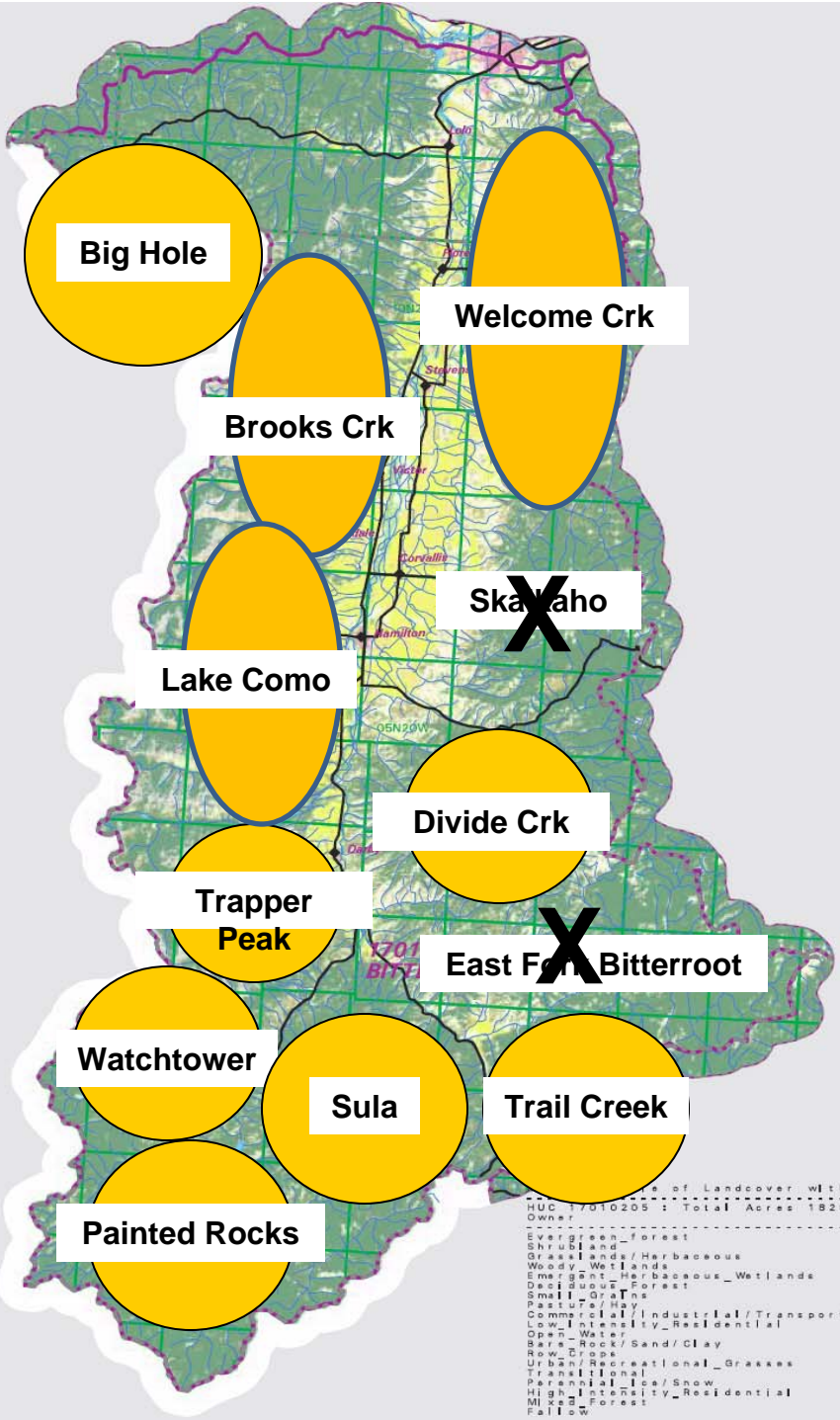


# Radio-collaring



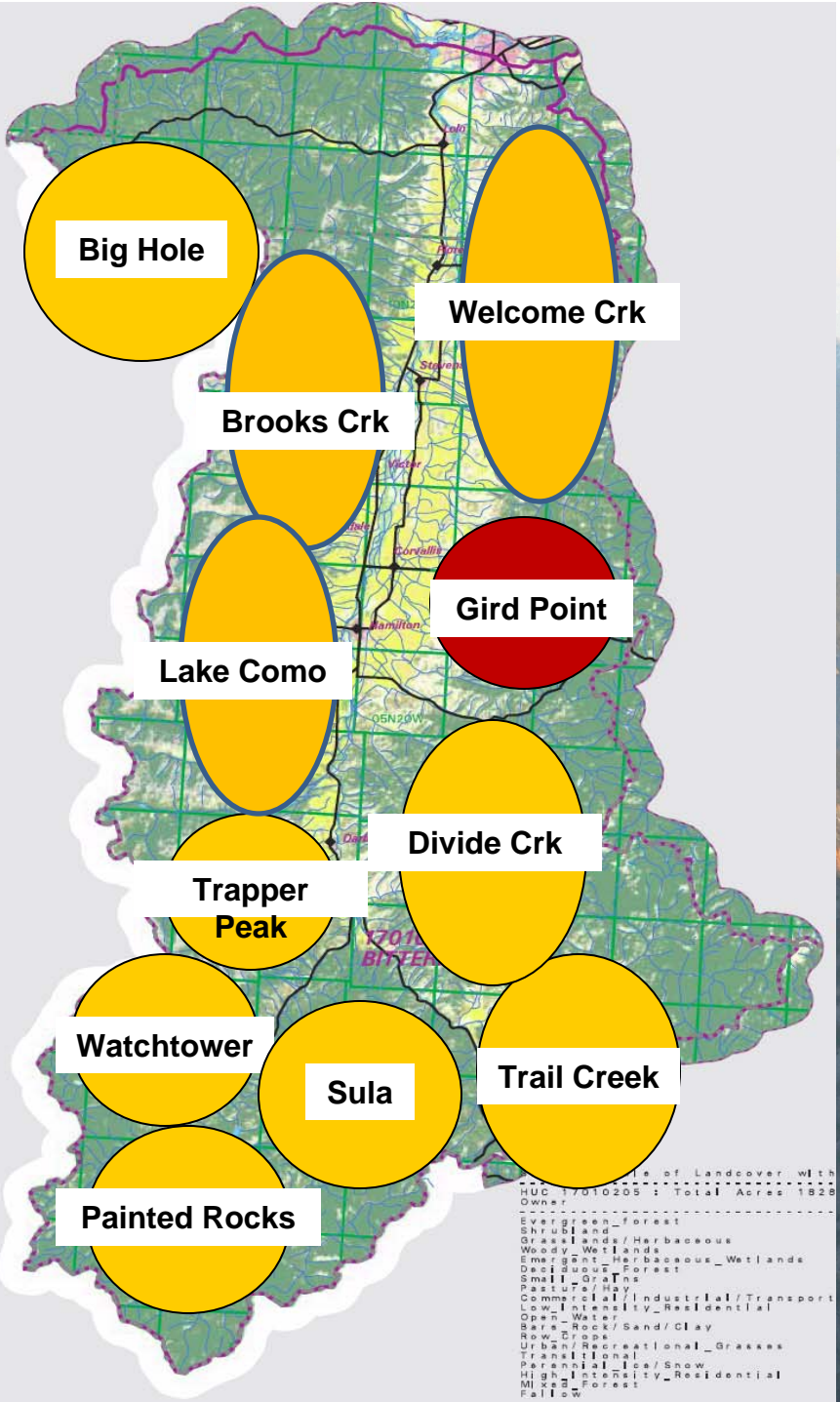


# Bitterroot Valley



Early  
2009

# Bitterroot Valley



2010



# Uncollared Packs

- Tracking and Howling Surveys

# Yearly Fluctuation in Numbers



Dec  
31

April  
Birth  
Pulse

Mortality

Mortality

Dec  
31



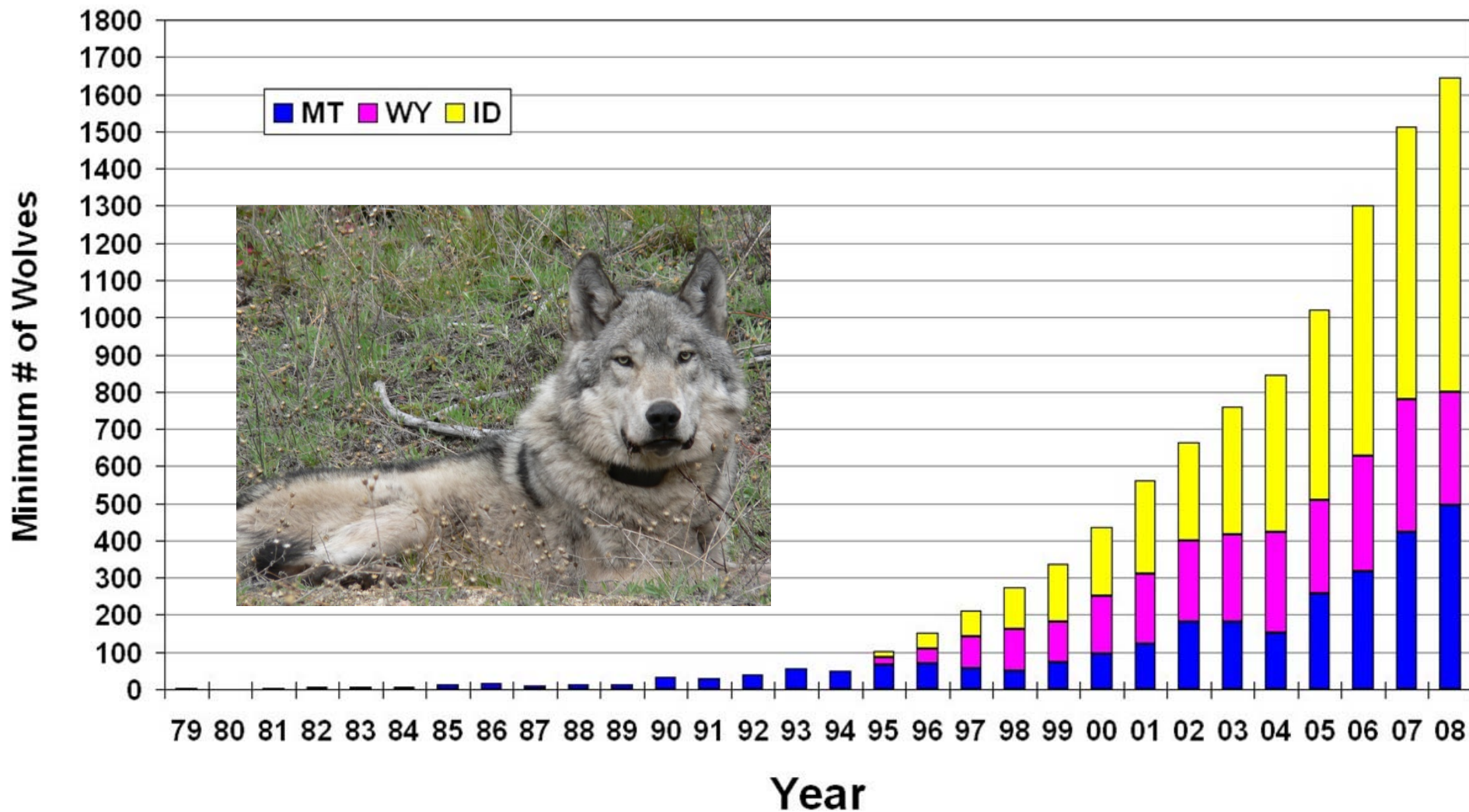
Births/Deaths



Immigration/Emigration



# Figure 6. Northern Rocky Mountain Wolf Population Trends by State, 1979-2008



- Finding Wolves
- How We Count Them
- **Accuracy of Count**





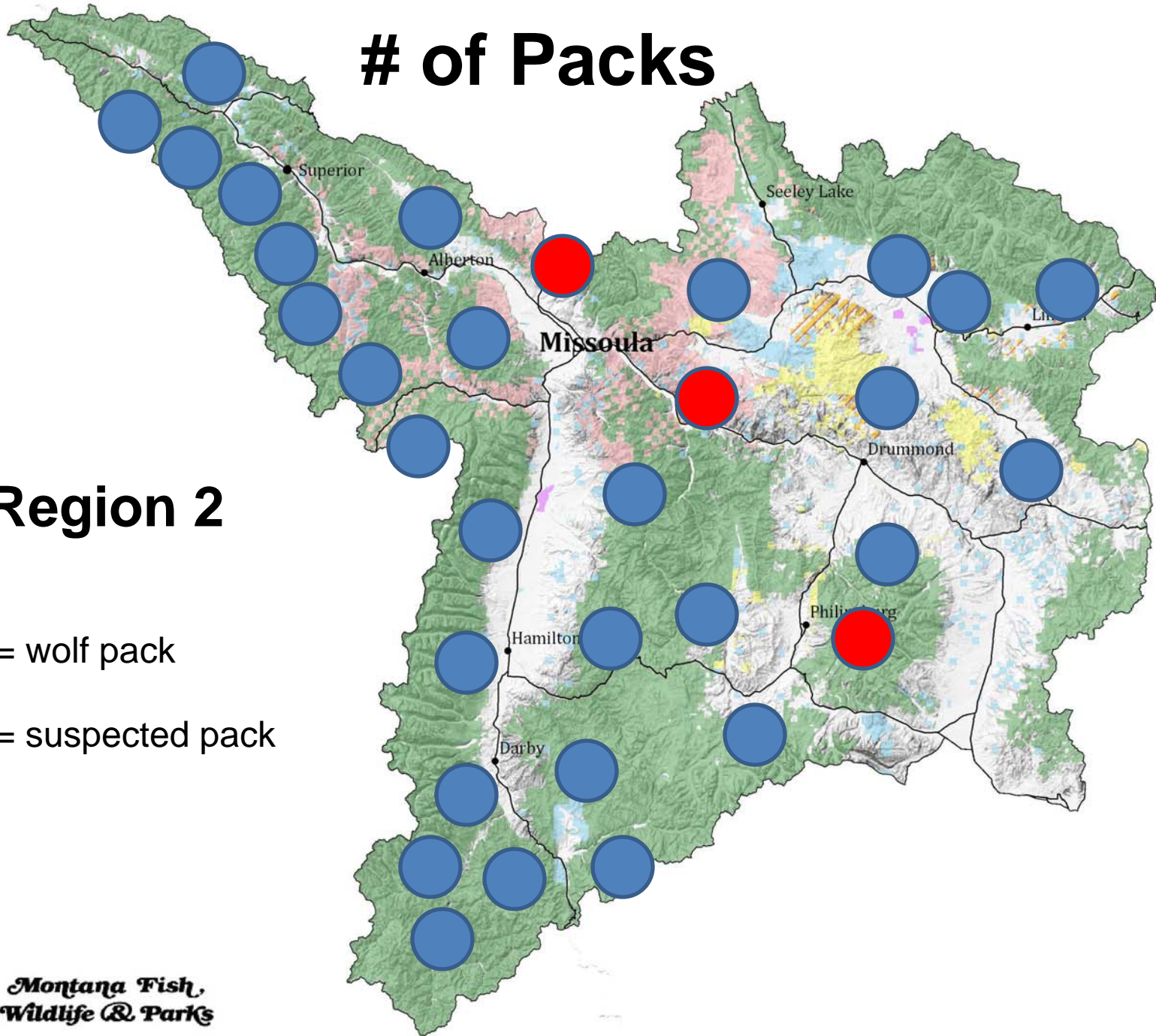
**# of Packs**  
**# of Wolves**  
**# of Breeding Pairs**



# # of Packs



## Region 2

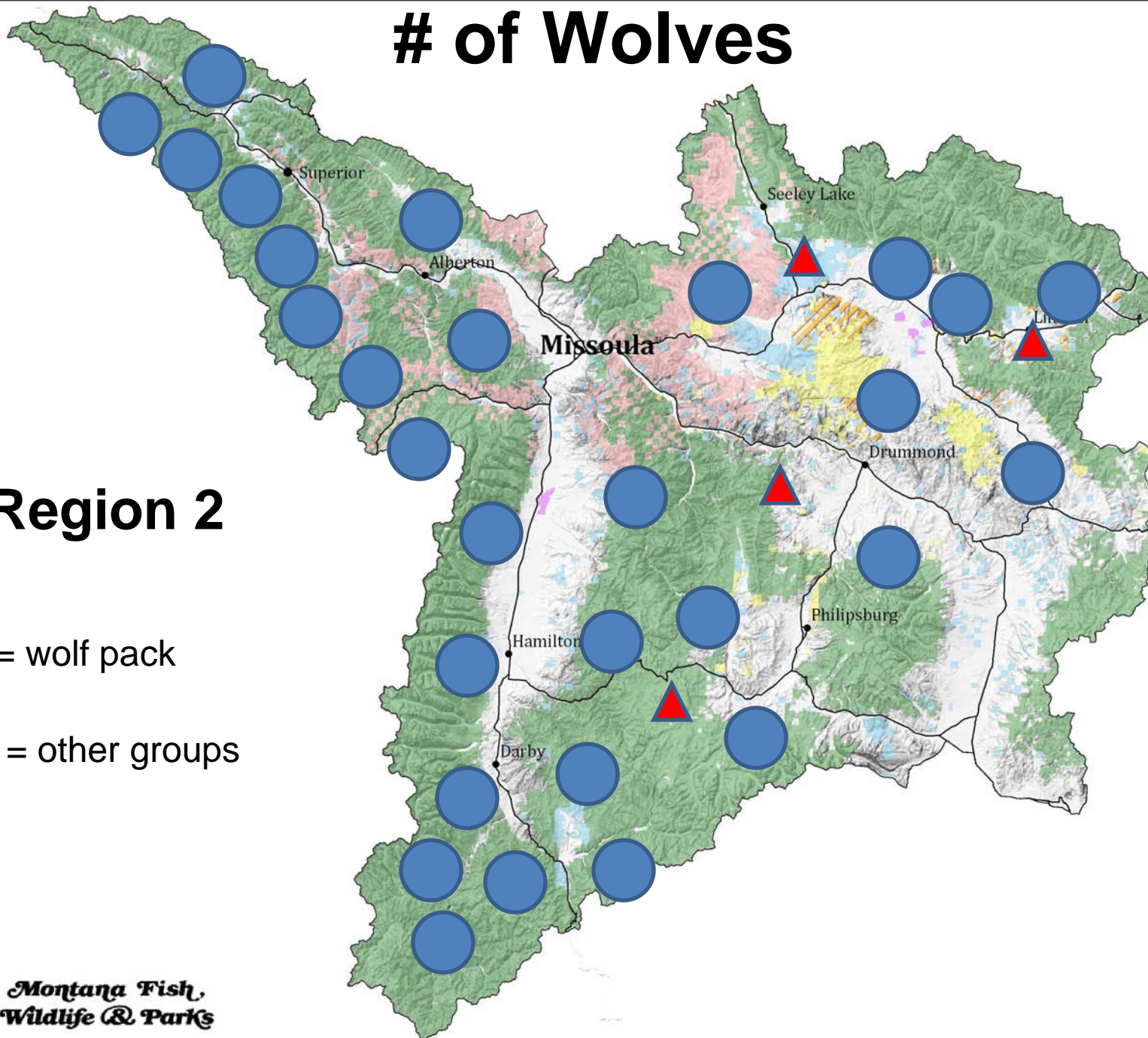
-  = wolf pack
-  = suspected pack



# # of Wolves

## Region 2

-  = wolf pack
-  = other groups

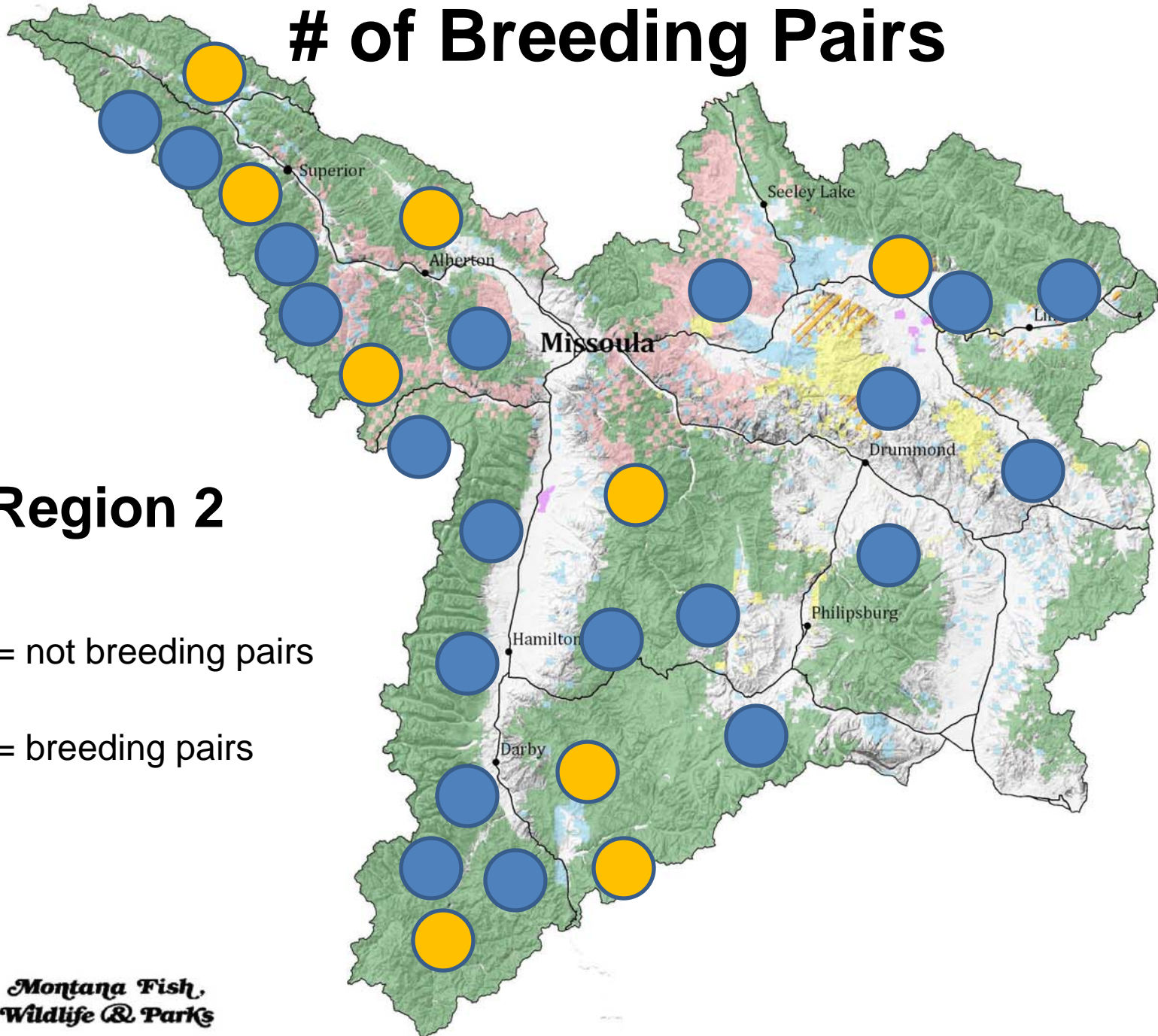


# # of Breeding Pairs

## Region 2

 = not breeding pairs

 = breeding pairs



Montana Fish,  
Wildlife & Parks

# Future Direction and Research

- **Improve Statewide Estimates**
- **Research with Univ of Montana**
  - **Hunter Reports**
  - **Breeding Pairs**

