Lander/Green
Mountain Mule Deer Working Group

History of the South Wind River and Sweetwater Mule Deer Herds

September 2, 2014
Population Biology

South Wind River Mule Deer - Age & Sex Ratios 1971 - 2013

* = Antler Point Restrictions in place  ** = Area 160 added to Herd Unit
Fawn/Doe Ratios Drive Population Growth or Decline

South Wind River Mule Deer - Population Trends - Age/Sex Ratios

* = Antler Point Restrictions in place  ** = Area 160 added to Herd Unit
Classification Data Collection

Helicopter Flight Path - 2013 Data Points for South Wind River Mule Deer
Long-term Data Collection – Wildlife Observation System

South Wind River Mule Deer (2013 Hunt Areas 92, 94, 160 – HA’s 91, 93, 95 combined with other areas in 2011)
Dots = WOS Data
Mule Deer Movement Data
South Wind River Mule Deer Harvest History 1971-2013

South Wind River Mule Deer Harvest History & Population Trend

* = Antler Point Restrictions in place   ** = Area 160 added to Herd Unit
South Wind River Mule Deer Harvest & Hunter Numbers 1971-2013

* = Antler Point Restrictions in place  ** = Area 160 added to Herd Unit
Fall Fawn Recruitment Relative to Drought Severity in Summer

South Wind River Mule Deer Fawn/Doe Ratio compared with Palmer Drought Severity Index (PDSI)
Wyoming Climate Division 9 (Wind River Basin)
Population Biology

Sweetwater Mule Deer - Age & Sex Ratios 1980 - 2013

* = Antler Point Restrictions in place
Fawn/Doe Ratios Drive Population Growth or Decline

* = Antler Point Restrictions in place
** = Population data not available, HA96 & 97 were combined in 1985 to form Sweetwater Herd
Classification Data Collection

Helicopter Flight Path - 2013
Data Points for
Sweetwater Mule Deer
Long-term Data Collection – Wildlife Observation System

Sweetwater Mule Deer (Hunt Areas 96 & 97)
Dots = WOS Data
Mule Deer Movement Data
Sweetwater Mule Deer Harvest History 1971-2013

* = Antler Point Restrictions in place

Sweetwater Mule Deer Harvest & Population Trend

- Male Harvest
- Antlerless Harvest
- Population Estimate
- Spreadsheet Model Estimate

* = Antler Point Restrictions in place
Sweetwater Mule Deer Harvest & Hunter Numbers 1971-2013

* = Antler Point Restrictions in place