Table 4. Updated Threat Table as of February 2013. Explanations of changes listed below.

	Aspects of Sage-grouse population in the SWARM Resource Area							
Threat	Lack of key habitat type connectivity	Poor condition of surrounding communities	Degradation of winter habitat quality	Loss of quality breeding (leks and nesting) habitat	Loss of brood-rearing habitat quality	Loss of riparian area quality	Reduction of population size	Reduction of population distribution
Enhanced native and domestic predators	Medium	Low	Low	Very High	High	Medium	High	High
Recreational use	Medium	Medium	Medium	High	High	High	Medium	Medium
Invasive/alien vegetation species (grass/forb/shrub)	High	High	Medium	High	High	Medium	Medium	Medium
Concentrated wildlife and/or livestock use	Low	Low	Medium	Medium	Medium	Low	Medium	Medium
Fire and lack of vegetation management (includes P-J encroachment)	High	High	Medium	High	High	High	High	High
Development of roads or utilities	High	Medium	Low	High	High	Low	Medium	High
Lack of communication among public parties	Low	Low	Low	Low	Low	Low	Low	Low
Diseases and parasites	Low	Low	Low	Low	Low	Low	Low	Low
Alternative land uses (mining, wind power, water development)	Mediium	Medium	Medium	Medium	Medium	Low	Medium	Medium

Red text signifies an increase in threat and Green text indicates a decrease in threat.

Updates to SWARM Threats (Table 4) as identified in 2005. These changes were made in February 2013.

1. Enhanced native and domestic predators:
   Changed "Loss of Brood-rearing habitat quality": from "High" to "Very High" due to ravens harassing males on leks for several years.

   * We need a newspaper article about burying carcasses to minimize access. Residences need control their trash. Nicki volunteered to create a document.

2. Recreational Use: No changes made.
   *We need to find the "High Desert Trail" letter we send about avoiding leks.

3. Invasive/alien vegetation species (meaning grasses/forbs/shrubs):
   Degradation of Winter Habitat Quality: from High to Medium
   Loss of Quality Breeding Habitat: from Very High to High
   Because of habitat work leks are not in imminent danger of being lost.
      Reduction of Population Size: from High to Medium
      Reduction of Population Distribution: from High to Medium

In general we don't really have many invasive species in our sage-grouse areas. There is some in Hamlin Valley, but we are actively treating to reduce it.

4. Concentrated wildlife and/or livestock use:
   Lack of key habitat type connectivity: from High to Low
   Poor condition of surrounding communities: from Medium to Low
   Loss of Quality Breeding Habitat: from High to Medium
   Loss of Brrood-rearing Habitat Quality: from High to Medium
   Loss of Riparian Area Quality: from Medium to Low

   In general we some work in this area. Some concentrations help maintain the lek, but concentrations in brood-rearing areas is detrimental.
   Our fences could be detrimental to the population overall; no new fences being built, but we need to address those that exist in sensitive areas.

5. Fire and Lack of Vegetation Management (including P-J encroachment):
   Poor condition of surrounding communities: from Medium to High
   There is still a lot of opportunity to improve the landscape

6. Development of Roads or Utilities:
   Loss of Quality Breeding Habitat: from Very High to High
   There is a lot more mitigation and regulations in place about developing near leks.
   Loss of Riparian Area Quality: from Medium to Low
   There are regulations in place to eliminate negative impacts to riparian areas.

7. Lack of Communication among Public Parties:
    All threats moved to a status of “Low”

8. Diseases and Parasites:
    All threats moved to a status of “Low”

9. Alternative Land Uses:
    Lack of key habitat type connectivity: from High to Medium
    Poor condition of surrounding communities: from High to Medium
    Loss of Quality Breeding Habitat: from High to Medium
    Loss of Brrood-rearing Habitat Quality: from High to Medium
    Loss of Riparian Area Quality: from High to Low
    Reduction of Population Size: from High to Medium
    Reduction of Population Distribution: from High to Medium

    Recent regulations and mitigations have reduced the treats across the board.