

## **NBR VEGETATION SPECIES COMPOSITION METADATA:**

### **A. COLOR –**

- 1) Gray = year of study
- 2) Blue = HILL site (UTM 706453 EAST 5249980 NORTH)
- 3) Rose = TRIANGLE site (UTM 713570 EAST 5248100 NORTH)

### **B. SAMPLING –**

1. In June of 1978, plant species composition was determined by clipping the vegetation and sorting it to species in 26 - 1 m<sup>2</sup> plots that were randomly located throughout the Bison Range (data is presented for the entire NBR and plots for the Hill and Triangle are presented separately).
2. In June of 1982, plant species composition was determined by clipping the vegetation and sorting it to species in 30 – 0.1 m<sup>2</sup> plots that were randomly located throughout the Hill area.
3. Starting in 1997 at the Triangle site and in 2001 at the Hill site, plant species composition was determined using point frame sampling (Daubenmire 1947, Belovsky & Slade 2000) of 100 points at 18 Hill and 9 Triangle locations in June and starting in 2009 in September again.

### **C. INFORMATION –**

1. Plant species were identified using a number of keys (Hitchcock & Cronquist 1973, Hitchcock 1971, Barkworth et al. 2007, McDougall & Baggley 1956, Dorn 1984, Pohl 1976, Lavin & Seibert 2005, Nelson 1992, Lackschewitz 1991).
2. Plant nomenclature, family and life history (annual = \*, biannual = \*\*, invasive = i) followed the USDA Plant Database (<http://plants.usda.gov/java/>).
3. Plant species composition is reported as proportion of biomass and as proportion of plots it was encountered in for 1978 or 1982 samples. For 1997 and after, plant species composition is reported as the percentage of points it was encountered at relative to all points and to all points where a plant was encountered. Point frame sampling also noted if a point encountered bare ground, litter, moss or lichen.

## **REFERENCES.**

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USDA Plant Database (<http://plants.usda.gov/java/>)