

## Hart Mountain, Great Basin (IRON, domain 15)

Location: **Hart Mountain**, Great Basin (IRON, domain 15), HMTN\_OR\_IRON

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Webpage: [http:// neon-iron.org](http://neon-iron.org), <http://sagestep.org>

Location within domain:

Latitude: 42.50

Longitude: -119.60

Ownership: US Fish and Wildlife Services

Access: open

Aquatic features: none

Contributions to national gradient:  
drought, land cover, invasives,  
infectious  
disease

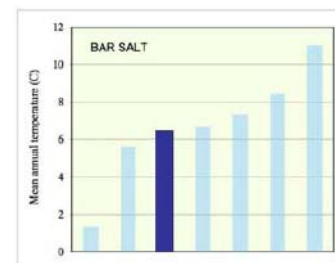
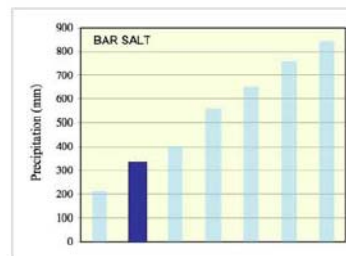


**History:** The Hart Mountain site was established as part of the Joint Fire Science Project to understand the ways to restore sagebrush ecosystems as a result of both juniper expansion and invasive species; each resulting in increased fire frequencies and the conversion of sagebrush shrublands to annual grasslands (<http://sagebrushstep.org>). In addition to control plots, the site consists of several long-term treatment plots: burned, herbicide application, and physical juniper removal). Treatment and control plots at this site range from areas ranging from 81 to 405 ha, where cheatgrass ranges from being a minor component to being a co-dominate with sagebrush in the plant community. Treatments will be applied in 2007 and follow-up measurements of soils, plants and animals will be made by members of the Joint Fire Science Project team.

**Key characteristics:** This site is dominated by the three dominant vegetation associations that characterize the basin portion of the basin and range of the Great Basin: sagebrush steppe, invasive annual grassland, and sage-brush juniper steppe.

Climatic location of Hart Mountain within the BAR SALT gradient are shown in blue.

Contributions to national gradients:  
drought, land cover, invasives,  
infectious disease



**Existing infrastructure:** There are meteorological stations on site that have been operational for a limited period of time.

**Facilities:** There are no established onsite facilities.