Initial setting: Areas and/or ecological sites that are controlled, enhanced, or maintained by fire to address (1) undesirable vegetation, pests, high wildfire hazard, excess slash or debris, or (2) seedling production. Sites can be grazed by livestock.

- **Prescribed Burning (338)**
  1. Apply prescribed fire to site
  - **D.1** Air quality
    - (-) Visibility
    - (+) Particulates
    - (+) Ammonia
    - (+) Odor
    - (+) Acid deposition
    - (+) Greenhouse gases
  - **I.1** Vehicle use and safety
  - **I.2** Ozone, NOx
  - **I.3** Carbon storage (short term)
  - **I.4** Suitable sites for planting or seeding
  - **I.6** Wildlife habitat (short term)
  - **I.7** Undesired plant regrowth
  - **I.8** Desired plant regrowth
  - **I.9** Wildlife habitat (long term)
  - **I.10** Runoff, surface erosion, sediment production
  - **I.11** Aquatic habitats
  - **I.12** Quality of receiving waters
  - **I.13** Carbon storage (long term)
  - **I.14** Wildfire suppression activities and costs
  - **C.1** Net return to landowner
  - **C.2** Greenhouse gases
  - **C.3** Air quality in the airshed
  - **C.4** Related human and animal health
  - **C.5** Biodiversity, recreational opportunities
  - **C.6** Greenhouse gases
  - **C.7** Air quality in the airshed
  - **C.8** Related health of humans and animals; (-) associated costs
  - **C.9** Income and income stability (individuals and communities)

- **D.2** Undesirable vegetation, pests, slash, debris, and residue
- **D.3** Exposed areas; release of desired vegetation
- **D.4** Plant diseases
- **D.5** Wildfire hazard on and offsite (long term)
- **D.6** Wildfire hazard offsite (short term)
- **D.7** Operational costs

**Note:** Effects are qualified with a plus (+) or minus (-). These symbols indicate only an increase (+) or a decrease (-) in the effect upon the resource, not whether the effect is beneficial or adverse.

**LEGEND**
- #. Created by
- D. Direct effect
- I. Indirect effect
- C. Cumulative effect
- Pathway