

**Agenda**  
**Arana Gulch Adaptive Management Working Group Meeting**  
Fredrick Street/Broadway Avenue Park Entrance to Arana Gulch  
**9-4 pm April 15, 2015**

**9:00 -- 9:10 Introductions**

- Brief introductions with Devii.

**9:10 – 9:25 City updates**

- Public input received.

**9:25 – 9:55 Grassland delineation and woody plant removal discussion along the Coastal Loop Trail from Hagemann Bridge to the overlook above the harbor**

- The group stops at intervals along the trail to discuss the grassland delineation and the planned woody plant removal.

**9:55 – 10:25 Grazing recommendations**

- Discuss grass heights and potential modifications to grazing approach with rancher.
- Discuss the end of the grazing period and how to maximize benefits to the SC tarplant.

**10:25 -- 10:55 Continue the grassland delineation and woody plant removal discussion from the overlook above the harbor to the Coastal Loop Trail near Area D**

- The group will stop at intervals along the Coastal Loop Trail to discuss the grassland delineation and the planned woody plant removal.

**10:55 – 11:05 Observe erosion issues resulting from the use of an ad-hoc trail at Arana Creek**

- Visual inspection of erosion issues. Recommendations on how to improve situation will occur via email.

**11:05 – Noon Continue the grassland delineation and woody plant removal discussion to the NE section of the grassland**

- The group stops at intervals along the Coastal Loop Trail to discuss the grassland delineation and planned woody plant removal.
- Do we need a few years of scrape plot data before we make a determination on the NE area?

- Suzanne will discuss a potential volunteer planting effort to plant Oak trees in an area near Agnes Street.

**Noon – 12:40 Walk over to the Santa Cruz Bible Church, Room No. AC-10 Coffee House and have lunch**

**12:40 Reconvene at the Santa Cruz Bible Church, Room No. AC-10 Coffee House. The remainder of the meeting will be held here**

**12:40 --1:15 Public comment period**

**1:15 – 2:15 Updates on establishing a reference site for Arana Gulch**

- Do we need to modify targets in the HMP to make them more precise?
- Did any of data or research into Tarplant Hill or other grassland areas appear to be a good match?
  - Sue and Lena - Tarplant Hill
  - Tim and Grey – other coastal prairie sites (Point Lobos, Porter Ranch, Ano Nuevo North, Moore Creek, Twin Lakes)
- Will setting-up a no management zone, an area we leave unrestored for comparison, be a satisfactory method?

**2:15 – 3:00 Grassland monitoring**

Vegetation transects and photo points- How do we effectively monitor to meet the goals and objectives?

- How often do we need to measure canopy height during the cattle grazing and what are the main purposes? What is the methodology for the timing, number of measurements and locations?
- RDM methodology.
- Photopoint placement update.
- Annual grassland monitoring.

**3:00 – 3:30 Work plan for invasive species removal**

- Prioritize invasive species removals which have been mapped in the grassland and Arana Creek riparian areas.
- Discuss the creation of a work plan for the removal of invasive species.
  - What will the core components of the plan be?
    - Species
    - Location

- Method of removal
- Timing of removal
- Monitoring of regrowth
- Staff will work with Kathy to create the work plan and then send it out to AMWG for review and approval.

**3:30 – 3:50 Timing and locations of perimeter mowing**

**3:50 – 4:10 Debriefing of objectives and outcomes and timing for the next AMWG meeting**