# Field Survey for Meadows and Roads [1,2]

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|---|---|---|
| **Forest:** Eldorado National Forest | **District:** Placerville | **County:** El Dorado |

| | |
|---|---|
| **Observers** Steve Markman, Ryan Lockwood | **Date:** 7/26/11<br>**Time:** 1020 |

| | |
|---|---|
| **Number and/or name of road or trail** 10N04 | **UTM** 10S 0744036 4292922 |
| **Meadow reference number** 10N04-1 | |

## Characteristics of meadow

**Is the feature a meadow?** ____ Yes X No *(Describe what the feature actually is)*

Mostly alder next to stream with small patches of grasses and aspens.

**Does the location of the meadow on-the-ground match the information in GIS?** X Yes ____ No
*(If the answer is no, please describe the difference).*

**Wetness of meadow** *(Select the best answer at the time of the survey)*

- ____ **Very wet** (Standing or flowing surface water present in all or a large portion of feature).
- X **Moderately wet** (Surface water in part of feature and/or ground surface wet in most of feature).
- ____ **Slightly wet** (No surface water. Ground surface wet in part of feature).
- ____ **Mostly dry** (No surface water. Ground surface dry in most of feature).
- ____ **Dry** (No surface water. Ground surface dry in entire feature).

| **Predominate riparian/wetland vegetation:** | **Predominant non-riparian/wetland vegetation:** |
|---|---|
| Alder, aspen, grasses | White fir, douglas fir, ponderosa pine |
| Abundance and location: | Abundance and location: stream |

## Proximity and characteristics of motorized routes in the ~~meadow~~

Does the road or trail enter the ~~meadow~~ stream? X Yes Approx. feet or miles _____ ____ No
*(Describe the location of the road or trail with respect to hydrologic features in the meadow.)*

Road crosses stream.

Does the road or trail parallel a portion of the meadow (within 100 ft. of the edge of the ~~meadow~~ stream)? X Yes ____ No
*(Describe the distance that the road or trail parallels the meadow, and attach photos.)*

Road parallels stream for approximately 1,000 feet.

Is there evidence of motorized use off of the road or trail and into the ~~meadow~~ stream? ____ Yes X No
*(Describe the evidence, and attach photos.)*

Are there stream channel crossings along the road in the ~~meadow~~ stream? X Yes ____ No
X Pipes/culverts ____ Bridge ____ Raw crossing

5 ft. culvert

Are there cross drain structures along the road or trail in the ~~meadow~~ stream? ____ Yes ____ No X Pipes/culverts
____ Rolling dip

[1] Use a separate survey form for each road or trail and meadow or wetland.
[2] Survey is intended for meadows that are greater than 0.1 acres in size.

(July 11, 2012)

# Field Survey for Meadows and Roads (page 2)

10NY04-1 7-22-11 S. Markman, Ryan Lockwood

**Condition of meadow**

Active erosion features (rills, gullies, headcuts) in ~~meadow~~ stream? X Yes ___ No

*(If yes, describe the type, number, size, and location of the erosional features and whether they appear to be related to the road or trail.)*

Stream is downcutting just upstream of road crossing. at crossing, gully is delivering sediment from road into stream.

Old, healed erosional features in meadow? ___ Yes X No

*(If yes, describe the type, number, size, and location of the erosional features and whether they appear to be related to the road or trail.)*

Hummocky surface in portions of the meadow? ___ Yes X No *(If yes, describe location and aerial extent in meadow).*

If the road(s) or trail(s) goes through the meadow, is the road/trail noticeably affecting the movement of water through the meadow?
___ Yes X No (If yes, *describe the physical evidence).*

If the road) or trail parallels a portion of the meadow, is the road/trail noticeably affecting the movement of water into or out of the meadow? ___ Yes X No *(If yes, describe the evidence).*

Is a road(s) or trail(s) contributing sediment into the ~~meadow~~ stream to the extent that it is noticeably affecting the size and/or function of the ~~meadow~~ stream? X Yes ___ No *(If yes, describe the physical evidence).*

Downcutting of stream around culvert and erosion of sediment from road into stream.

**Other land disturbances within the meadow?** X Yes ___ No

*( If yes to the above, describe types and extent).*

**Stream flowing through the meadow?** ___ Yes ___ No

| | | | |
|---|---|---|---|
| Is stream eroding vertically (i.e. active downcutting)? | X Yes | ___ No | where road crosses stream |
| Is stream eroding laterally (i.e. actively widening?) | ___ Yes | X No | |
| Does stream contain an active headcut(s)? | ___ Yes | X No | |
| Does stream contain old (healed) headcut(s)? | ___ Yes | X No | |

**Aquatic species (incidental sightings only – no survey to a specific protocol)**

**List aquatic species present, numbers of individuals, and life stage**

None observed.

**Findings with respect to Standard and Guideline (S&G) #100 of the SNFPA**

___ **Yes.** S&G #100 is being met with regard to this road/trail and meadow.

___ **No.** S&G #100 is NOT being met with regard to this road and meadow.

___ **I.** Inconclusive. Field evidence not sufficient to determine if S&G #100 is being met.

**S&G 100:** Maintain and restore the hydrologic connectivity of streams, meadows, wetlands, and other special aquatic features by identifying roads and trails that intercept, divert, or disrupt natural surface and subsurface water flow paths. Implement corrective actions where necessary to restore connectivity.

**Other Comments**