

**Attachment F**

**Checklist Form for Assessing Grazing Operations  
in the Napa River and Sonoma Creek Watersheds**

IN COMPLIANCE WITH RESOLUTION No. R2-2017-0043

**Date:** \_\_\_\_\_ **Weather:** \_\_\_\_\_

**Name of Person Completing checklist:** \_\_\_\_\_

**Ranch Information**

<b>Ranch Name:</b>	<b>Owner Name &amp; Address (if different):</b>
<b>Address:</b>	<b>Nearest Water Body:</b>
<b>Operator Name &amp; Address:</b>	<b>Number of Animals:</b>
<b>Operator Telephone Number:</b>	<b>Type of Animals:</b>
<b>Acreage:</b>	<b>Animal Density:</b>
<b>Ranch Assessor's Parcel Number (number of parcels):</b>	

**Erosion and Sediment Sources**

Sediment from Sheet, Rill, and Gully Erosion: Sheet and Rill erosion generally occurs on cropfields or overgrazed pastures and corrals. Gullies can occur from these same conditions, or can be caused by natural occurrences, such as from burrowing animals.

<b>Rangeland &amp; Pasture</b>	<b>Yes</b>	<b>No</b>
Upon close inspection, is bare soil visible in pastures?		
At a distance of 20 feet, can you distinguish small objects such as roots and cow pies?		
Is rill or sheet erosion present?		
Are gullies, slumps, or headcuts present?		
<b>Crop Fields</b>		
Do cropfields have rill or other signs of surface erosion?		

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<b>Crop Fields</b>	<b>Yes</b>	<b>No</b>
Are cropfields clean cultivated so that all plant residue is tilled under?		
<b>Road Erosion</b>		
Do ranch roads show signs of surface erosion such as rills or gullies?		
Are there any gullies caused by unprotected culverts?		
Are drainage ditches eroding?		
Are drainage ditches partially filled with sediment after winter?		
Do road surfaces consist of bare soil?		

Other types of erosion noted:

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Suggestions for correcting problems indicated by yes answers above:

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**Nutrients and Pathogens**

**Pollution from animal waste:** This generally occurs where animals congregate or are confined, or where animals have access to creeks. Nutrient pollution problems are best evaluated during the rainy season when water testing can be used to locate problems.

<b>Pollution from animal waste</b>	<b>Yes</b>	<b>No</b>
Are there possible sources of nutrients and pathogens from direct animal access to creeks?		
Are feeding areas, water troughs, or salting areas near creeks?		
Are manure stock piles located where runoff could flow into creeks?		
Is manure applied to pastures less than 2 weeks before a runoff generating rain storm?		

Locations of problem areas:

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Other types of animal waste pollution noted:

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Suggestions for correcting problems indicated by yes answers above:

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### Riparian Areas

**Condition of Creek and Streams:** Riparian areas are sensitive to damage from livestock. Livestock should be excluded from or carefully managed in riparian areas. Condition of riparian areas can be evaluated at any time of the year.

Condition of Creek and Streams	Yes	No
Do creek banks lack good cover of grasses trees and shrubs?		
Are creeks exposed to full sun?		
Is there excessive growth of algae in creeks?		
Are creek banks actively eroding or trampled?		
Do livestock have access to riparian areas?		
Is there cattle exclusion fencing?		
If cattle fencing exists is it for seasonal exclusion?		
Do livestock congregate in riparian areas?		
Are waterway crossings secure and bermed?		
Are water troughs located away from riparian areas?		

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Describe cattle grazing seasonality (which seasons, how long, cattle density, trigger to let cattle in riparian area):

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Vegetation types in riparian areas (full riparian, sporadic riparian, wetland, grasses, bare dirt):

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Location of problem areas:

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Other types of degradation observed in riparian areas:

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Suggestions for correcting problems indicated by yes answers above:

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## **Ranch/Farm Site Map**