

# Environmental Assessments

MNHP Environmental Summary Tool  
&  
Environmental Assessment Forms

# Environmental Summary Report

The screenshot displays the Montana Natural Heritage Program website. The main navigation bar includes links for Home, Animals, Plants, Ecology, Wetlands, Publications, Data, About, and Quick Data. The sidebar on the left contains sections for 'Announcements' (listing various reports and updates) and 'Recent Publications' (listing scientific articles). The main content area features the 'Montana Natural Heritage Program' header, a 'Species Snapshot' section with a red arrow pointing to the 'Natural Heritage MapViewer' link, and a 'Coastal Sand Sedge' image. To the right, a map interface is shown with a 'Task Selection' dropdown menu set to 'MHP Land Cover', a 'Species Related' section, and a 'Map Layers' panel with various options like 'State Photos', 'MTNHP Wetland and Riparian Mapping', and 'Major Land Resource Areas'.

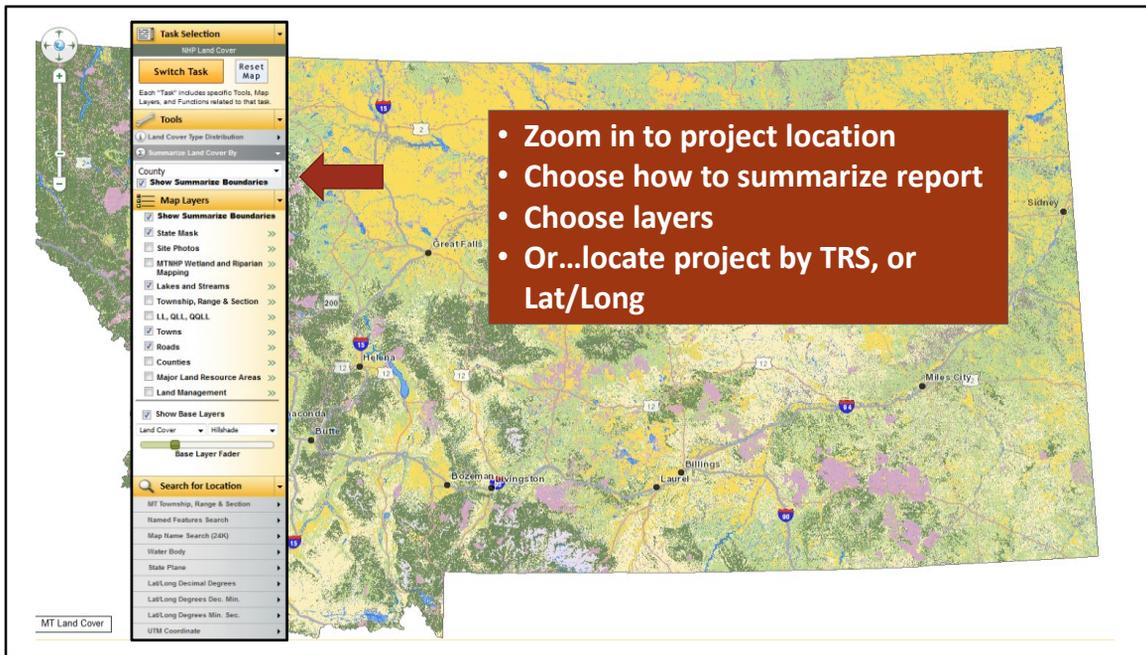
Where to find EA information?

The Montana Natural Heritage Program website: [mtnhp.org](http://mtnhp.org)

Click on Natural Heritage MapViewer

Click on Land Cover

Use the Task Selection or zoom to find your project area.



Several Features of the Task Selection Bar:

Summarize Land Cover By: County, Township, Section

Map Layers: Choose from several different layers for more/less detailed maps

Search for a location by: TRS, Lat/Long, waterbody, town

The screenshot displays the 'NATURAL HERITAGE Map Viewer' interface. On the left, a 'Task Selection' menu is visible, with 'Show Summarize Boundaries' selected. The main map area shows a satellite-style view of a region in Montana, with a red rectangular selection box highlighting a specific area. Below the map, a 'Printable Report of' link is highlighted with a blue circle. To the right of the map, a 'Charts and Data' section displays the following information:

**Township 04N005W**  
 22,765 Acres (0.02% of Montana)

Notes on and Appropriate Uses of Land Cover

View Level 1 | View Level 2 | View Level 3

**Level 2 Land Cover Summary**

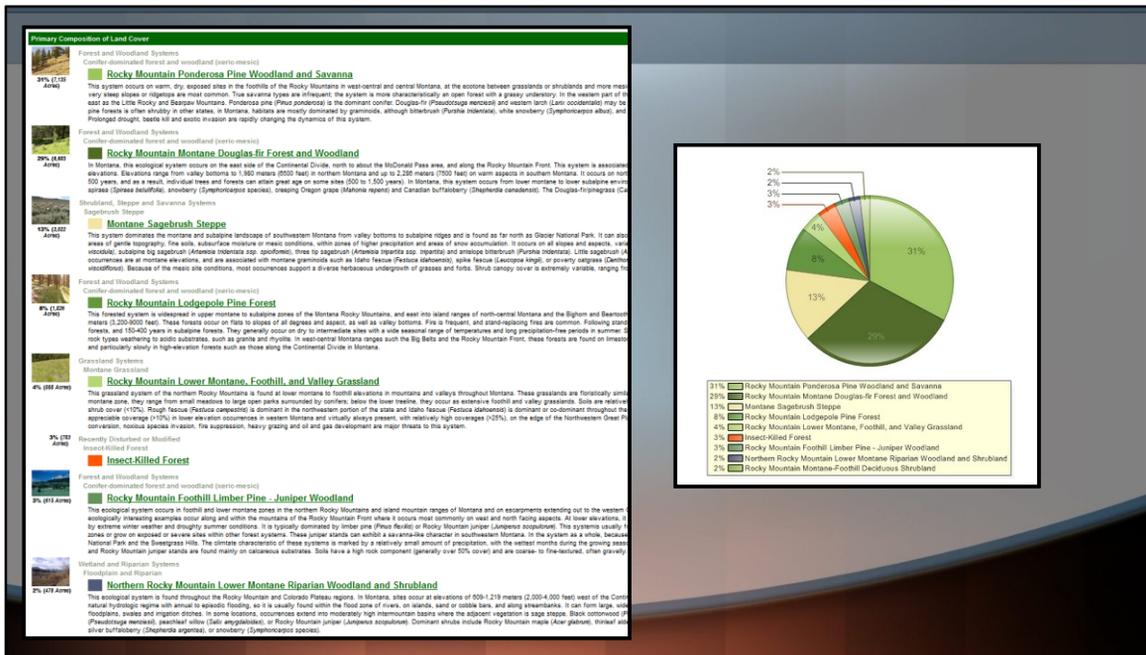
31% (7,135 Acres)	Rocky Mountain Ponderosa Pine Woodland and Savanna
20% (4,665 Acres)	Rocky Mountain Montana Douglas-Fir Forest and Woodland
13% (2,922 Acres)	Montana Sagebrush Steppe
8% (1,826 Acres)	Rocky Mountain Lodgepole Pine Forest
4% (888 Acres)	Rocky Mountain Lower Montana, Foothill, and Valley Grassland
3% (783 Acres)	Insect-Killed Forest
3% (615 Acres)	Rocky Mountain Foothill Lumber Pine - Juniper Woodland
2% (478 Acres)	Northern Rocky Mountain Lower Montana Riparian Woodland and Shrubland

A blue arrow points to the 'Printable Report of' link in the summary section.

Once you have the area selected:

Print the pdf report, or click on each specific land cover section to learn more

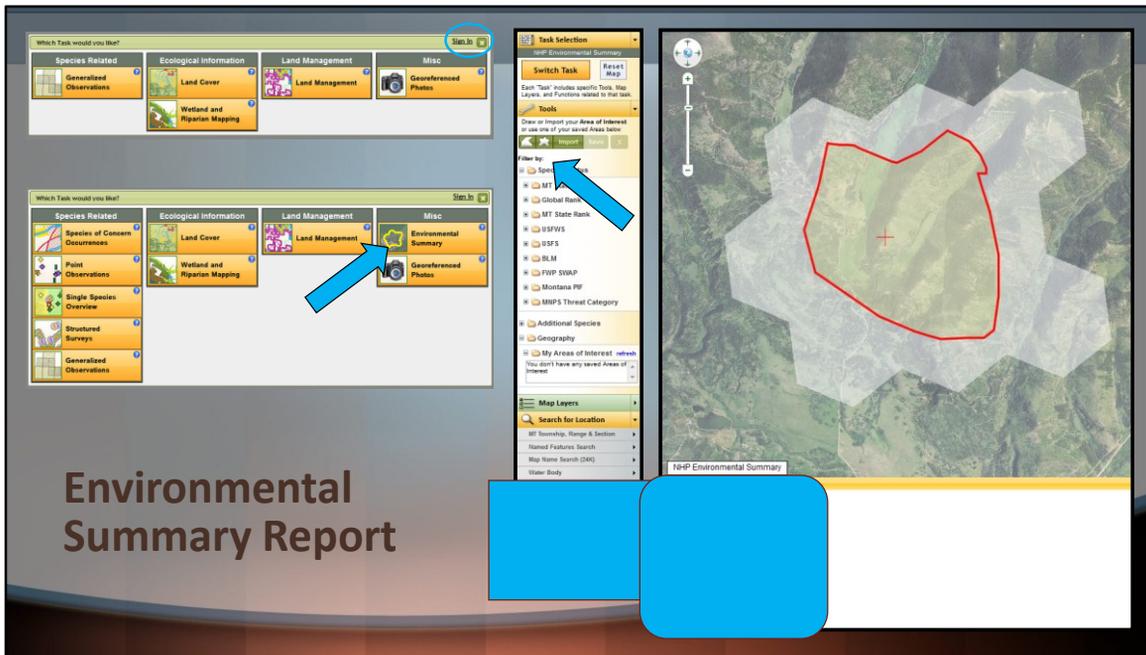




The printable report looks like this.

It gives you the percentage of land covered by each ecosystem.

Find information under each system's name, or click to learn more about a specific system.



The Environmental Summary Tool was created by the MNHP in 2016.

As of now, it can only be used by Agency employees but that may change in December- stay tuned.

The summary tool gives users more options to find species observations and surveys, as well as create an environmental summary report.

Use the same task selection to find the center point of the project, then create a polygon around the project area.

The tool creates a buffer around the area due to how data is stored in the program.

Once the project is mapped, you can search through summary reports or download a comprehensive report.

Expand each summary folder to get more detailed information.

The summaries include:

Species Occurrences (all Species of Concern in the area)

Other Species (more common observed species)

- See # of observations, associated habitat, range, rank, etc.
- Expand each to learn more

Structural Surveys

Land Cover Summary

Wetland Summary

Land Management Summary

The PDF Field Guide – One page for each SOC in the area and can easily be printed and given to landowners and/or staff

MTNHP\_EnviroSum\_2017-10-16\_11... Microsoft Excel 97-2003 ... 68 KB No 1,469 KB 96% 10/16/2017 11:35 AM  
 MTNHP\_EnviroSum\_2017-10-16\_11... Adobe Acrobat Document 4,351 KB No 4,580 KB 5% 10/16/2017 11:35 AM

**MONTANA Natural Heritage Program**  
 1515 East 6th Avenue  
 Helena, MT 59603  
 (406) 444-0241  
 mntahp.org

**Environmental Summary**

**Suggested Citation**  
 Montana Natural Heritage Program. Environmental Summary Report for Landuse 47-0242-10-16-2017-11-16-2017. Helena, MT: Montana Natural Heritage Program; 2017. 68 KB. Available at: <https://www.mntahp.org/>

The Montana Natural Heritage Program is a program of the Montana State University's Natural Resources Information System. It is operated as a special program under the Office of the State Historian for Research and Creative Endeavors at the University of Montana, Helena. The Montana Natural Heritage Program is a program of the Montana State University's Natural Resources Information System. It is operated as a special program under the Office of the State Historian for Research and Creative Endeavors at the University of Montana, Helena. The Montana Natural Heritage Program is a program of the Montana State University's Natural Resources Information System. It is operated as a special program under the Office of the State Historian for Research and Creative Endeavors at the University of Montana, Helena.

**Species Occurrences**

**F. Westslope Cutthroat Trout** (*Oncorhynchus clarkii lewisi*) **806**

**Forest and Woodland Systems**  
**Rocky Mountain Montane Douglas-fir Forest and Woodland**  
 In Montana, this ecological system occurs on the east side of the Continental Divide, north to about the McDonald Pass area, and along the Rocky Mountain Front. This system is associated with a dry to subarctic continental climate regime with annual precipitation ranging from 51 to 102 centimeters (20-40 inches), with a maximum in winter or late spring. Winter snowpacks typically melt off in early spring at lower elevations. Elevations range from valley bottoms to 1,980 meters (6500 feet) in northern Montana and up to 2,286 meters (7500 feet) on warm aspects in southern Montana. It occurs on north-facing aspects in most areas, and south-facing aspects at higher elevations. This is a Douglas-fir

**Wetland and Riparian Mapping**

Palustrine	Acres	Wetlands with vegetation growing on or below the water surface for most of the growing season.
PAB Aquatic Bed	6	<1 Wetlands with less than 75% areal cover of stones, boulders, or bedrock. AND with less than 30% vegetative cover
PUS Unconsolidated Shore	<1	Wetlands with less than 75% areal cover of stones, boulders, or bedrock. AND with less than 30% vegetative cover. AND the wetland is frequently exposed due to seasonal or irregular flooding and subsequent drying.
PDM Emergent	124	Wetlands with erect, rooted herbaceous vegetation present during most of the growing season.
PSS		

**Land Management Summary**

	Ownership	Tribal	Easements	Other Boundaries (possible overlaps)
<b>Public Lands</b>	<b>3,217 Acres (56%)</b>			
Federal	2,341 Acres (41%)			
US Forest Service	2,341 Acres (41%)			
USFS Owned	2,341 Acres (41%)			
USFS Ranger Districts				2,425 Acres
Helena-Lewis & Clark National Forest, Lincoln Ranger District				2,425 Acres
USFS National Forest Boundaries				2,425 Acres
State	876 Acres (15%)			
Montana State Trust Lands	876 Acres (15%)			
MT State Trust Owned	876 Acres (15%)			
<b>Conservation Easements</b>			<b>396 Acres (7%)</b>	
Private			396 Acres (7%)	
Five Valleys Land Trust			396 Acres (7%)	
<b>Private Lands or Unknown Ownership</b>	<b>2,137 Acres (37%)</b>			

The Downloaded Report – Required for all new Local Cooperative grants

The report contains all the information in the Summary tool but in pdf form and excel.

- Species Occurrences
- Land Cover Summary
- Wetland Summary
- Land Management Summary



 MTNHP_EnviroSum_2017-10-16_11...	Microsoft Excel 97-2003 ...	68 KB	No	1,469 KB	96%	10/16/2017 11:35 AM
 MTNHP_EnviroSum_2017-10-16_11...	Adobe Acrobat Document	4,351 KB	No	4,580 KB	5%	10/16/2017 11:35 AM

**Application: 62314 - 2018 Local Cooperative- New Test Application**

**Program Area:** AGR Noxious Weed Trust Fund

**Funding Opportunities:** 60497 - AGR Noxious Weed Trust Fund 2018 Local Cooperative- New

**Application Deadline:** 01/06/2018

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**Instructions**

*The required application forms appear below. Please note: Clicking "Mark as Complete" does not submit the application component or prevent further editing. The check mark beside the form is only an indicator that the form has been completed. All application components must be marked as complete in order to submit. To submit the application click the Submit button.*

Application Forms		Application Details   <a href="#">Submit</a>   <a href="#">Withdraw</a>	
Form Name	Complete?	Last Edited	
<a href="#">General Information</a>	✓	10/13/2017	
<a href="#">Project Information</a>			
<a href="#">Cooperators</a>			
<a href="#">Herbicide Worksheet</a>			
<a href="#">Revegetation Worksheet</a>			
<a href="#">Budget</a>			
<a href="#">Project Overview - Local Coop</a>			
<a href="#">Objectives &amp; IWM Plan</a>			
<a href="#">Activities/Education Timeline</a>			
<a href="#">EA- General Vegetation</a>			
<a href="#">EA- Soils</a>			
<a href="#">EA- Surface and Groundwater</a>			
<a href="#">EA- Fish and Wildlife Habitat</a>			
<a href="#">EA- Threatened, Endangered or Sensitive Species</a>			
<a href="#">EA- Air Quality</a>			
<a href="#">EA- Historical and Archaeological Sites</a>			
<a href="#">Other Attachments</a>			



Attach the pdf and excel files under Other Attachments on your application

## All EA Forms

- Checklist
  - Complete each line in the checklist
  - Choose which level of impact is most likely for each line
  - Think critically about the questions: Weed control efforts do have impacts on the environment, but not all impacts are bad and most can be mitigated easily.
  - Choose Yes, No, or N/A depending on mitigation needs
- Mitigation
  - Complete the mitigation section based on the answers in the checklist; even if the answer is “No Mitigation Necessary”.
  - These should be specific statements, and may need to include application methods and information from herbicide labels.

# General Vegetation

## Instructions

Complete the table. Answer each question regarding the severity of impact from the proposed project activities (choose one level of impact for each question). Answer if mitigation is possible (if no impact is anticipated, answer NA). Describe mitigation strategies for any minor or potentially significant impacts. \*Remember, not all impacts are negative. Most weed control efforts have positive impacts on native plant communities.

When done click "Save". If changes are needed click "Edit". Click "Mark as Complete" when finished with form.

\*Required: Upload the Environmental Summary Report to "Other Attachments".

## Impact/Risk

This section should address potential damage to non-target vegetation in the project area. Plant community type and plant species information can be found using the Montana Natural Heritage Program (MNHP) Map Viewer or the Environmental Summary Report. Instructions and links can be downloaded or opened from this Funding Opportunity's description page under "Attachments".

Will any proposed project activities result in:	None	Minor	Potentially Significant	Can it be mitigated?
a. Changes to the diversity, productivity or abundance of plant species (including trees, shrubs, forbs and grasses)?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Yes <input type="button" value="v"/>
b. Adverse effects on any non-target plants?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Yes <input type="button" value="v"/>
c. Any other likely impacts not addressed above?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Yes <input type="button" value="v"/>

General Vegetation:

Addresses potential damage to non-target vegetation in the project area.

C. Non-target plants: Look at labels to see what plant species are vulnerable to each proposed herbicide, check the environmental summary report for SOC.

The image shows a screenshot of a web-based form titled "Mitigation". The form contains a text area with a Microsoft Word-style toolbar above it. The toolbar includes options for font family, font size, bold, italic, underline, text color, background color, bulleted list, numbered list, indent, decrease indent, increase indent, link, unlink, insert image, insert table, insert video, insert audio, insert link, and insert document. Below the text area, there is a status bar that reads "Path: p" and "10,000 character max" on the left, and "Words: 0" on the right. A white star icon is positioned to the left of a grey rectangular box containing the text "Remember to use MS Word, then copy and paste in each field."

1a. corresponds to question a. in the checklist section; 1b. to b.; etc.

Look at labels to know how to avoid non-target plant damage for each proposed herbicide, check the environmental summary report for SOC.

Some mitigation strategies may include timing of spraying, creating a buffer, spot spraying instead of broadcasting, using biocontrol in riparian areas, ect.

If there is no impact, write NONE in the mitigation statement.

# Soils & Water

## Instructions

Complete the table for the project site description and the active ingredients being used. Describe mitigation strategies for any potential impact or risk from your list of active ingredients on the project site below. When done click "Save". If changes are needed click "Edit". Click "Mark as Complete" when finished with form.

\*Required: Upload soil data maps, surface water map, well map, and well log report to "Other Attachments".

## Soils, and Ground & Surface Water

[Mark as Complete](#) | [Go to Application Forms](#)

This section should address the types of soils in the project area susceptible to unwanted impacts of herbicide application and potential impacts to water in the project area based on maps and label statements.

\*Create soil data maps using Web Soil Survey or through the local NRCS office. Maps must include: Soil Map; Soil Chemical Properties (pH: 1 to 1 Water); Soil Physical Properties (Saturated Hydraulic Conductivity: Ksat); Soil Erosion Factors (K Factor and Whole Soil); Soil Erosion Factors (Wind Erodibility Group); and Water Features (Depth to Water Table). If the project is too large to read soil labels on the map, separate the project into several sections and create a map for each area.

\*Create a surface water map with any legible map source such as google earth, Montana Geographic Information Clearinghouse, paper topographical maps, etc. Maps must clearly label all surface water features by name within the project area and adjacent to herbicide application areas. Indicate unnamed features as "unnamed pond #1", or "unnamed stream #2".

\*Create a well location map and well log through the Montana Geographic Information Clearinghouse (must use google chrome). Maps must clearly label all wells less than 50 feet in depth within the project area boundary.

Attach the soil map, surface water map, well location map, and well log report to the "Other Attachments" form. Instructions and links can be downloaded or opened from this Funding Opportunity's description page under "Attachments".

\*For public water supplies (PWS), each PWS has a Well Control Zone associated with its permitting. Well Control Zones have special restrictions about the storage and usage of hazardous materials (including pesticides). In Montana, Control Zones typically consist of a 100 foot radius exclusion zone. When in doubt contact the Montana Department of Environmental Quality.

Read the labels of the products you are planning to use thoroughly. Address any label statements that indicate potential impacts related to soil properties or surface and groundwater.

Complete the table below and describe mitigation efforts by listing advisory and mandatory statements from herbicide labels regarding soils, and surface and ground water for the active ingredients you will be using. Examples include "the use of this chemical in areas where soils are permeable, particularly where the water table is shallow, may result in groundwater contamination", "high potential for runoff", etc. Other chemical properties including half-life can be found at the EPA's [Pesticide Chemical Search](#).

General Vegetation:

Addresses potential damage to non-target vegetation in the project area.

C. Non-target plants: Look at labels to see what plant species are vulnerable to each proposed herbicide, check the environmental summary report for SOC.

## Upload Soil Maps

- Soil Map: Soil Types With Descriptions
- Soil Qualities and Features: Soil Drainage Class (Saturated Whole Soil Ksat) (Leaching)
- Water Features: Depth to Water Table (Leaching)
- Soil Erosion Factors: K Factor (Kw) (Runoff)
- Soil Erosion Factors: Soil Wind Erodibility Group (WEG) (Post Application Drift)
- Soil Chemical Properties: Soil pH (If any herbicide label contains limitations in regards to soil pH) (Chemical Inhibitors)

## Upload Surface Water & Well Maps

Surface Water Map: With any legible map source such as google earth, Montana Geographic Information Clearinghouse, paper topographical maps, etc.

- Maps must clearly label all surface water features by name within the project area and adjacent to herbicide application areas.
- Indicate unnamed features as “unnamed pond #1”, or “unnamed stream #2”.

Create a well location map and well log through the Montana Geographic Information Clearinghouse (must use google chrome).

- Maps must clearly label all wells less than 50 feet in depth within the project area boundary.

## Review Your Information

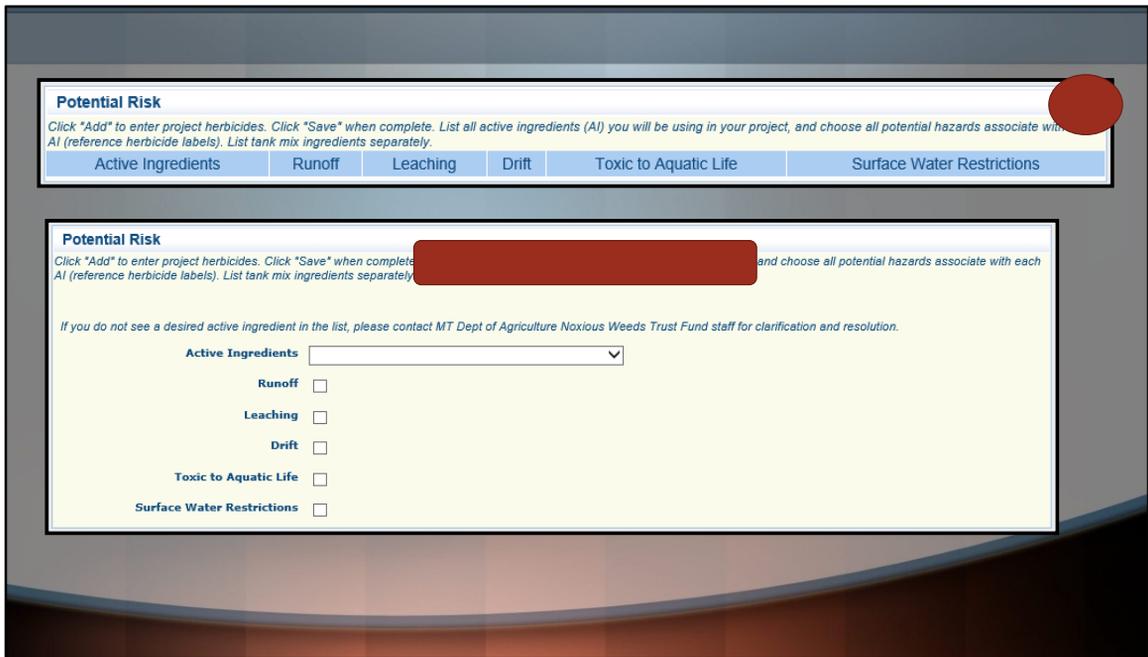
Review your maps and identify areas of vulnerability. Ask, will the application of a product increase the chances of the following conditions to occur

Carefully read your product labels for appropriate use and application .

- Large areas of steep slopes with fine or gravelly soils could be potentially significant vulnerabilities to soil instability, erosion, or compaction.
- Likewise, areas of drainage, confluence, and ponding could be potentially significant vulnerabilities to leaching of herbicides through the soil profile.
- Any other impacts may be fire damage, ash layers, monocultures (Knapweed) whose treatment may effect soil stability, flooding, recent construction, ect.
- Any water that is ponding on the surface, or wetland environment, is considered surface water
- Spraying herbicides on or near surface waters can kill aquatic vegetation and small invertebrates, leading to an increase of CO<sub>2</sub> in the water which can suffocate and kill larger aquatic species.
- Soils vulnerable to leaching or runoff near water bodies are potential hazards for surface water contamination.
- Soils vulnerable to leaching, or with shallow water tables are vulnerable to groundwater contamination

## Complete Potential Risk Assessment

- List every Active Ingredient that will be applied in tank mixes or as a single chemical. Each active ingredient only needs to be listed once, but consider all application locations for your mitigation strategies.
- Check each Environmental Hazard box that applies to the listed active ingredient. This information can be found on the Product Label



1a. corresponds to question a. in the checklist section; 1b. to b.; etc.

Look at labels to know how to avoid non-target plant damage for each proposed herbicide, check the environmental summary report for SOC.

Some mitigation strategies may include timing of spraying, creating a buffer, spot spraying instead of broadcasting, using biocontrol in riparian areas, ect.

If there is no impact, write NONE in the mitigation statement.

## Complete Project Description Table

- Review your Project Site Maps and check the boxes which apply to location sensitivities that are present in your project area.

### Public Water Supplies:

- Every PWS has a Well Control Zone associated with its permitting. Well Control Zones have special restrictions about the storage and usage of hazardous materials (including pesticides). In Montana, Control Zones typically consist of a 100 foot radius exclusion zone. When in doubt contact the Montana Department of Environmental Quality.

## Mitigation

- Read and site your product labels.
- Describe the areas vulnerable to the nature of that product and how you plan to mitigate negative impacts of product usage.

### Project Description

Click "Edit" at the top to complete the table and mitigation sections. Reference your soil and water maps, then choose all that apply in the table below. Soil erosion (ex. steep slopes, powdery dry soils), soil compaction (ex. heavy agriculture use), shallow groundwater (<200ft), surface water (even ponds), and wells (shallow and deep).

Does the proposed project contain:	Soil Erosion	Soil Compaction	Shallow Groundwater	Surface Water	Wells
Project Site Description:	<input type="checkbox"/>				

### Mitigation

Soils and Water: Describe mitigation strategies (use herbicide labels) for any minor and potentially significant impacts, as well as any additional impacts not addressed in the tables.\*

Font Family    Font Size    **B**    *I*    U    [List Icons]    [Link Icon]    [Image Icon]    [Table Icon]    [Undo Icon]    [Redo Icon]    [Print Icon]    [Save Icon]

|

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10,000 character max
Words: 0

1a. corresponds to question a. in the checklist section; 1b. to b.; etc.

Look at labels to know how to avoid non-target plant damage for each proposed herbicide, check the environmental summary report for SOC.

Some mitigation strategies may include timing of spraying, creating a buffer, spot spraying instead of broadcasting, using biocontrol in riparian areas, ect.

If there is no impact, write NONE in the mitigation statement.

## Soils & Water (More Info)

- Review The Noxious Weed Trust Fund EA Soils, Ground & Surface Water completion guide at:  
<http://montana.maps.arcgis.com/apps/MapSeries/index.html?appid=a47893aa6c89487e8a5e30da728f8dce>

# Wildlife Habitat & TES Species

## Instructions

Complete the table. Answer each question regarding the severity of impact from the proposed project activities (choose one level of impact for each question). Answer if mitigation is possible (if no impact is anticipated, answer NA). Describe mitigation strategies for any minor or potentially significant impacts. \*Remember, not all impacts are negative. Most weed control efforts have positive impacts on native plant communities which can enhance wildlife habitat.

When done click "Save". If changes are needed click "Edit". Click "Mark as Complete" when finished with form.

\*Required: Upload the Environmental Summary Report to "Other Attachments".

## Impact/Risk (Fish & Wildlife Habitat)

[Mark as Complete](#) | [Go to Application Forms](#)

This section should address the potential for effects from weed control actions on fish and wildlife habitat in the project area. Use the Montana Heritage Program Field Guide or Environmental Summary Report to find species and habitat information, or contact your local Fish, Wildlife and Parks biologist. Instructions and links can be downloaded or opened from this Funding Opportunity's description page under "Attachments".

\*If your project includes grazing, consult with a local Fish, Wildlife and Parks specialist. Describe how the project will address potential issues with bighorn sheep, grizzly bears, wolves and other predators.

Will any proposed project activities result in:	None	Minor	Potentially Significant	Can it be mitigated?
a. Alterations of critical fish or wildlife habitat?				
b. Changes in the diversity or abundance of game animals or bird species?				
c. Changes in the diversity or abundance of non-game species?				
d. Targeted grazing in areas associated with bighorn sheep or predators?				
4e. Any other likely impacts not addressed above?				

## Impact/Risk (TES Species)

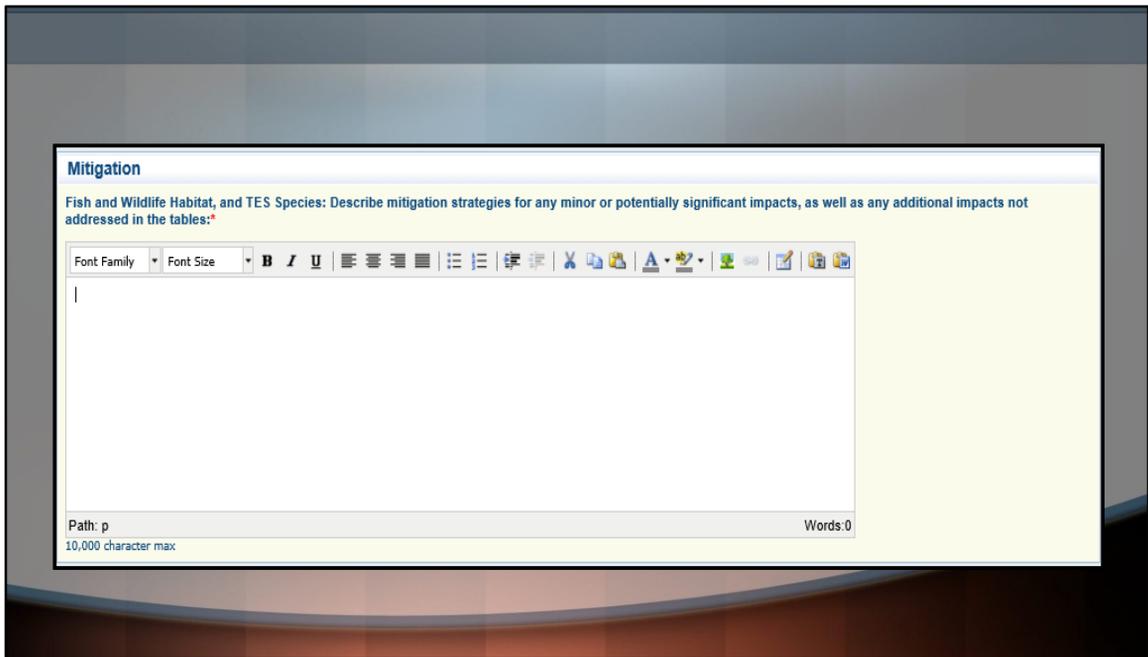
This section should address effects on species listed under the Federal Endangered Species Act (ESA) or species listed as sensitive by the Montana Natural Heritage Program (NHP) in the project area. Instructions and links can be downloaded or opened from this Funding Opportunity's description page under "Attachments".

Will any proposed project activities result in:	None	Minor	Potentially Significant	Can it be mitigated?
a. Alterations of critical habitat for TES species?				
b. Adverse effects on any TES species?				
c. Any other likely impacts not addressed above?				

## Fish and Wildlife Habitat

Addresses potential effects on fish and wildlife from weed control actions in the project area.

Look at the MNHP mapviewer or check the environmental summary report for SOC and other observed species in the project area.



A list of fish and wildlife species and their habitats can be found using the MTNHP Map Viewer, or the Environmental Summary Report. You could also contact a local Fish, Wildlife and Parks (FWP) Biologist to help identify the common wildlife species in your project area.

Mitigation examples may include timing treatment when foragers are not present, spot treating plants around sensitive areas vs. aerial application, using mechanical or biological control methods in sensitive areas, etc.

**If your project includes grazing**, consult with a local Fish, Wildlife and Parks specialist. Describe how the project will address potential issues with bighorn sheep, grizzly bears, wolves and other predators.

# Air Quality

## Instructions

Complete the table. Answer each question regarding the severity of impact from the proposed project activities (choose one level of impact for each question). Answer if mitigation is possible (if no impact is anticipated, answer NA). Describe mitigation strategies for any minor or potentially significant impacts. List advisory and mandatory statements from each herbicide label regarding air quality and drift. Examples include "do not apply at wind speeds over 10 mph", "boom length must not exceed 75% of the wingspan or 90% of the rotor blade diameter", "do not apply with a nozzle height greater than 4 feet above crop canopy", etc.

When done click "Save". If changes are needed, click "Edit". Click "Mark as Complete" when finished with form.

\*Required: Upload the Environmental Summary Report to "Other Attachments".

## Impact/Risk

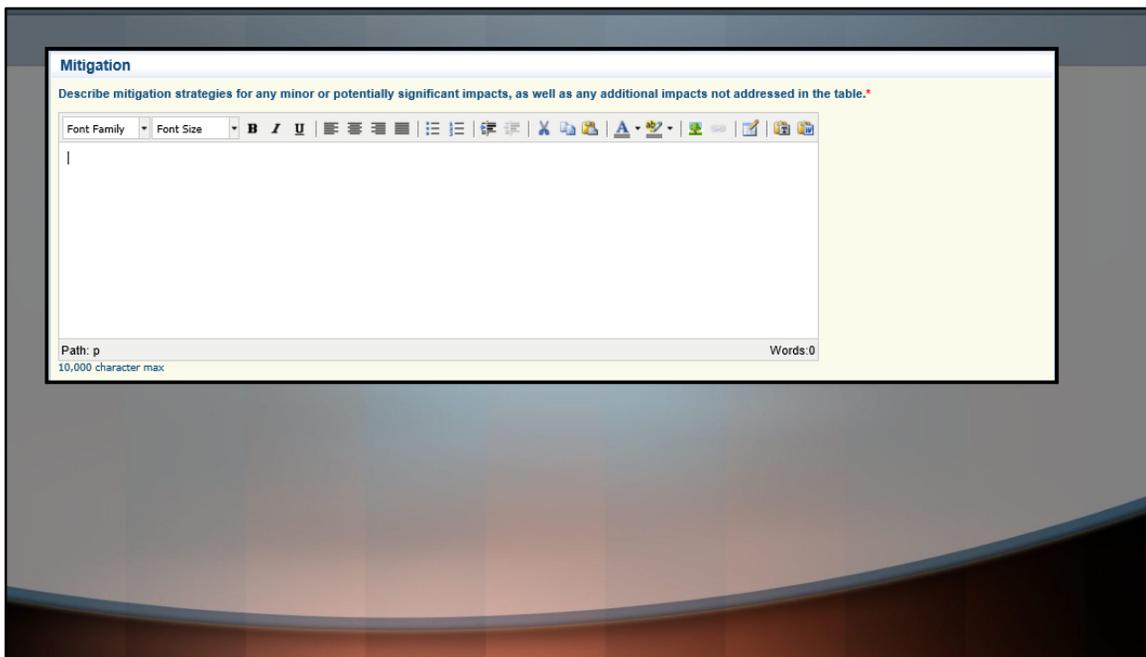
This section should address the impact to air quality in the project area. Instructions and links can be downloaded or opened from this Funding Opportunity's description page under "Attachments".

Will any proposed project activities result in:	None	Minor	Potentially Significant	Can it be mitigated?
a. Emission of air pollutants or deterioration of ambient air quality?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Yes ▾
b. Creation of objectionable odors?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Yes ▾
c. Adverse effects on non-target plants due to drift?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Yes ▾
d. Any other likely impacts not addressed above?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Yes ▾

## Air Quality

Addresses the impact to air quality in the project area.

Note: All herbicide treatments, burning and soil tillage will temporarily reduce air quality.



Use herbicide labels to find advisory statements and ways to mitigate air quality and drift. Examples include:

- “do not apply at wind speeds over 10 mph”,
- “boom length must not exceed 75% of the wingspan or 90% of the rotor blade diameter”,
- “do not apply with a nozzle height greater than 4 feet above crop canopy”, etc.

Mitigation examples may include applying herbicides by air to reduce dust from ground activity, applying herbicides when winds are between 2-10 mph, using a surfactant to increase droplet size, will not spray during an inversion, etc.

Visit the following site: [Avoiding Pesticide Drift](#) for more information.

# Historical and Archaeological Sites

## Historical and Archaeological Sites

This section should address impacts on historical and archeological resources in the project area. Instructions and links can be downloaded or opened from this Funding Opportunity's description page under "Attachments".

\*Please obtain and attach a letter below, from either a local historical society or the Montana Historical Society. The letter should provide information on local features of historical or archeological importance to the area and their potential impact from proposed control methods. Note: grazing, burning and some mechanical weed control methods may cause impacts to historical and archeological sites.

To request a search on cultural records, fill out a File Search Request form and e-mail it to Damon Murdo. The form is at the following website [Montana Historical Society](#)  
Note: You will not be charged any fees for this service.

STATE HISTORIC PRESERVATION OFFICE  
1410 8th Ave., P.O. Box 201202, Helena, MT 59620-1202  
Phone: (406)-444-7767  
Email: [dmurdo@mt.gov](mailto:dmurdo@mt.gov)  
Attn: Damon Murdo

Will the proposed project impact any historical and/or archeological sites?  Yes  No

Describe mitigation strategies:



## Historical Site Letter

Click on the icon to add the attachment.

Montana Historical Society Letter\*  No file selected.  
Click here to add attachment.

## Historical and Archaeological Sites

Addresses the impact to historical and archaeological resources in the project area.

Obtain a letter from either a local historical society or the **Montana Historical Society**.

- The letter should provide information on local features of historical or archeological importance to the area and their potential impact from proposed control methods.

Note: grazing, burning and some mechanical weed control methods may cause impacts to historical and archeological sites.

Mitigation examples may include establishing buffers around known sites, using non-ground disturbing activities, etc.

# EA Document Checklist

## Instructions

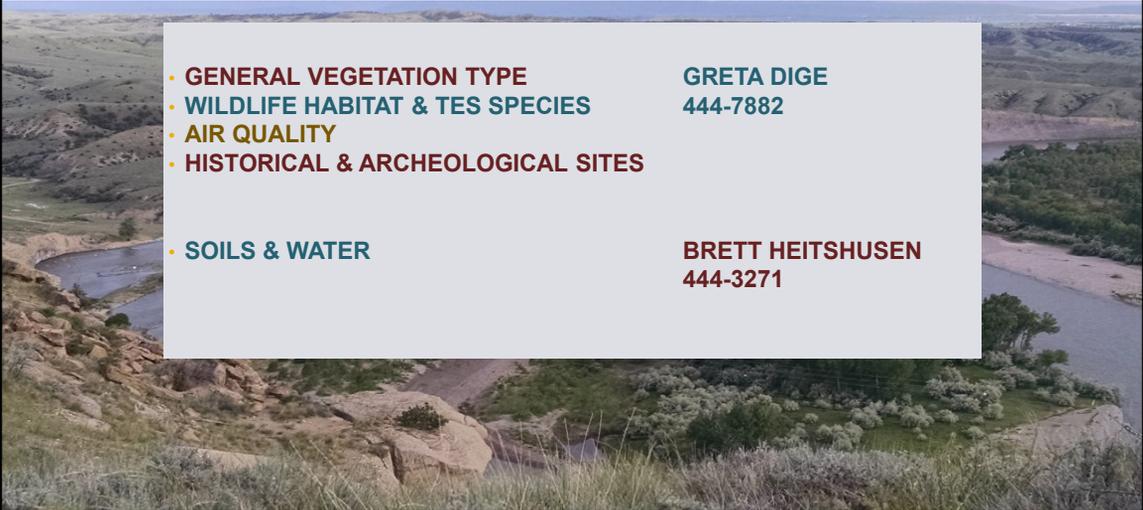
Please complete the checklist below. All documents listed must be uploaded to "Other Attachments" or specific forms before submitting the application.

When done click "Save". If changes are needed click "Edit". Click "Mark as Complete" when finished with form.

## Document Checklist

Required Documents	
Project Map (Project Overview Form)	<input type="checkbox"/>
EA Summary Report (zip or both PDF & EXCEL files)	<input type="checkbox"/>
Soil Maps (Ksat, KFactor, Wind Erodibility Group, pH, Depth to Water Table)	<input type="checkbox"/>
Surface Water Map (all water bodies labeled)	<input type="checkbox"/>
Well Map (indicate all shallow wells)	<input type="checkbox"/>
Well Log (list of all shallow wells)	<input type="checkbox"/>
Letter from the Montana Historical Society or Cultural Records office	<input type="checkbox"/>
Photo(s) of the problem (optional)	<input type="checkbox"/>

# Environmental Assessments

- 
- **GENERAL VEGETATION TYPE**
  - **WILDLIFE HABITAT & TES SPECIES**
  - **AIR QUALITY**
  - **HISTORICAL & ARCHEOLOGICAL SITES**
- GRETA DIGE**  
444-7882
- 
- 
- **SOILS & WATER**
- BRETT HEITSHUSEN**  
444-3271

Environmental assessments are required on all NEW Local Cooperative projects.

An additional assessment will be needed if the project area is expanded and/or new herbicides added.

Environmental assessments are completed to ensure that project participants are aware of environmental concerns in the project area.

Start Early! Plan Ahead – it takes time to gather all required information.