

ESA LISTED SALMONIDS CHECKLIST

Applicant Information

Name _____
Phone _____

Project Information

Name _____
Location _____
Description _____

This worksheet was designed to help project proponents, and government agencies, identify when a project needs further analysis regarding adverse effects on ESA (Endangered Species Act) listed salmonids. Salmonids are salmon, trout and chars, e.g. bull trout. For our purposes, "ESA Listed Salmonids" is defined as fish species listed as endangered, threatened or being considered for listing.

If ESA listed species are present or ever were present in the water shed where your project will be located, your project has the potential for affecting them, and you need to comply with the ESA. The questions in this section will help determine if the ESA listings will impact your project.

The Fish Program Manager at the appropriate Department of Fish and Wildlife (DFW) regional office can provide information for the following two questions.

1. Are ESA listed salmonids currently present in the watershed in which your project will be located? YES _____ NO _____ Please describe.

2. Has there ever been an ESA listed salmonid stock present in this watershed?
YES _____ NO _____ Uncertain _____ Please describe.

If you answered "yes" to either of the above questions, you should complete the remainder of this checklist.

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PROJECT SPECIFICS: The questions in this section are specific to the project and vicinity.

1. Name of watershed: _____

2. Name of nearest waterbody: _____

3. What is the distance from this project to the nearest body of water: _____ . Often a buffer between the project and a stream can reduce the chance of a negative impact to fish.

4. What is the current land use between the project and the potentially affected water body (parking lots, farmland, etc.)?

5. Is the project above a:

* natural permanent barrier (waterfall)	YES _____	NO _____
* natural temporary barrier (beaver pond)	YES _____	NO _____
* man-made barrier (culvert, dam)	YES _____	NO _____
* other (explain):		

6. If yes, are there any resident salmonid populations above the blockage?
YES _____ NO _____ Don't know _____

7. What percent of the project will be impervious surface (including pavement & roof area)?

FISH MIGRATION: The following questions will help determine if this project could interfere with migration of adult and juvenile fish.

Both increases and decreases in water flows can affect fish migration.

1. Does the project require the withdrawal of:
 - a. Surface water? YES _____ NO _____
Amount _____
Name of surface water body _____
 - b. Ground water? YES _____ NO _____
Amount _____
From where _____
Depth of well _____
2. Will any water be rerouted: YES _____ NO _____
If yes, will this require a channel change?
3. Will there be retention or detention ponds? YES _____ NO _____
If yes, will this be an infiltration pond or a surface discharge to either a municipal storm water system or a surface water body?

If to a surface water discharge, please give the name of the waterbody.

4. Will this project require the building of new roads? YES _____ NO _____
Increased road mileage may affect the timing of water reaching a stream and may impact fish habitat.
5. Are culverts proposed as part of this project? YES _____ NO _____
6. Will topography changes affect the duration/direction of runoff flows?
YES _____ NO _____ If yes, describe the changes.
7. Will the project involve any reduction of the floodway or floodplain by filling or other partial blockage of flows? YES _____ NO _____ If yes, how will the loss of flood storage be mitigated by your project?

WATER QUALITY: The following questions will help determine if this project could Adversely impact water quality. Such impacts can cause problems for listed species.

Water quality can be made worse by runoff from impervious surfaces, altering water temperature, discharging contaminants, etc.

1. Do you know of any problems with water quality, in any of the streams, within this watershed? YES _____ NO _____ If yes, describe.

2. Will your project either reduce or increase shade along or over a waterbody?
YES _____ NO _____

Removal of shading vegetation or the building of structures such as docks or floats often results in a change in shade.

3. Will the project increase nutrient loading or have the potential to increase nutrient loading or contaminants (fertilizers, other waste discharges, or runoff) to the waterbody?
YES _____ NO _____

4. Will turbidity be increased because of construction of the project or during operation of the project? YES _____ NO _____

In-water or near water work will often increase turbidity.

5. Will your project require long term maintenance, i.e. bridge cleaning, highway salting, and chemical sprays for vegetation management, clearing of parking lots?
YES _____ NO _____ If yes, please describe.

VEGETATION: The following questions are designed to determine if the project will affect riparian vegetation, thereby, adversely impacting salmon.

1. Will the project involve the removal of any vegetation from the stream banks:
YES _____ NO _____

If yes, please describe the existing conditions, and the amount and type of vegetation to be removed.

2. If any vegetation is removed, do you plan to re-plant?
YES _____ NO _____ If yes, what types of plants will you use?