

ESA LISTED SALMONIDS CHECKLIST

(Lyon Creek)

Applicant Information

Name: _____
Phone: _____

Project Information

Name: _____
Location: _____
Description: _____

This worksheet was designed to help project proponents and government agencies identify if 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 watershed 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. See attached list of Department of Fish and Wildlife regional offices.

1. Are ESA listed salmonids currently present in the watershed in which your project will be?
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.

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

1. Name of Watershed: Lyons Creek

2. Name of nearest waterbody: Lyons Creek

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: X
- natural temporary barrier (beaver pond) Yes: _____ No: X
- man-made barrier (culvert, dam) Yes: X No: _____
- other (explain) Cedar Way Detention Pond

6. If yes, are there any resident salmonid populations above the blockage?

Yes: _____ No: _____ Don't know: X

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

i. Surface water? Yes: _____ No: _____

Amount: _____

Name of surface water body: _____

ii. 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 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 name of waterbody.

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4. Will this project require the building of new roads? Increased road mileage may affect the timing of water reaching a stream and may thus impact fish habitat.

Yes: _____ No: _____

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.

In general, there exists both water quantity and water quality issues within the Lyon Creek Drainage Basin. The City maintains the existing infrastructure and has developed storm drainage requirements for all development within the basin. All applicants are required to meet these requirements as a condition of development.

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 result in a change in shade.

3. Will the project increase nutrient loading or have the potential to increase nutrient loading or contaminants (fertilizers, other waster 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? *In-water or near water work will often increase turbidity.* Yes No

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

VEGETATION: The following questions are design 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?