

STATE ENVIRONMENTAL POLICY ACT (SEPA) DETERMINATION OF NON-SIGNIFICANCE

For more information about this project visit www.redmond.gov/landuseapps

PROJECT INFORMATION

PROJECT NAME: Mackey Creek Fish Passage and Habitat Enhancement

SEPA FILE NUMBER: SEPA-2016-01655

PROJECT DESCRIPTION:

The project purpose is to enhance Mackey Creek and its associated riparian and wetland habitats. Key features include removal of fish passage barriers, reduce sediment deposition/ erosion problems and restore diverse stream habitat, manage invasive species and enhance native plant communities.

PROJECT LOCATION: Along Mackey Creek

SITE ADDRESS: 19545 NE REDMOND RD
REDMOND, WA 98053

APPLICANT: Tom Hardy

LEAD AGENCY: City of Redmond

The lead agency for this proposal has determined that the requirements of environmental analysis, protection, and mitigation measures have been adequately addressed through the City's regulations and Comprehensive Plan together with applicable State and Federal laws.

Additionally, the lead agency has determined that the proposal does not have a probable significant adverse impact on the environment as described under SEPA.

An Environmental Impact Statement (EIS) is not required under RCW 43.21C.030(2)(c). This decision was made after review of a completed environmental checklist and other information on file with the lead agency. **This information is available to the public on request.**

CITY CONTACT INFORMATION

PROJECT PLANNER NAME: Cathy Beam

PHONE NUMBER: 425-556-2429

EMAIL: cbeam@redmond.gov

IMPORTANT DATES

COMMENT PERIOD

Depending upon the proposal, a comment period may not be required. An "**X**" is placed next to the applicable comment period provision.

There is no comment period for this DNS. Please see below for appeal provisions.

'**X**' This DNS is issued under WAC 197-11-340(2), and the lead agency will not make a decision on this proposal for 14 days from the date below. Comments can be submitted to the Project Planner, via phone, fax (425)556-2400, email or in person at the Development Services Center located at 15670 NE 85th Street, Redmond, WA 98052. **Comments must be submitted by 10/13/2016.**

APPEAL PERIOD

You may appeal this determination to the City of Redmond Office of the City Clerk, Redmond City Hall, 15670 NE 85th Street, P.O. Box 97010, Redmond, WA 98073-9710, **no later than 5:00 p.m. on 10/28/2016**, by submitting a completed City of Redmond Appeal Application Form available on the City's website at www.redmond.gov or at City Hall. You should be prepared to make specific factual objections.

DATE OF DNS ISSUANCE: September 29, 2016

For more information about the project or SEPA procedures, please contact the project planner.

RESPONSIBLE OFFICIAL: Robert G. Odle
Planning Director

SIGNATURE: _____

RESPONSIBLE OFFICIAL: Linda E. De Boldt
Public Works Director

SIGNATURE: _____

Address: 15670 NE 85th Street Redmond, WA 98052

CITY OF REDMOND

ENVIRONMENTAL CHECKLIST

PROJECT ACTION

(Revised 5/27/15)

Purpose of the Checklist:

The State Environmental Policy Act (SEPA), chapter 43.21C RCW, requires all governmental agencies to consider the environmental impacts of a proposal before making decisions. An environmental impact statement (EIS) must be prepared for all proposals with probable significant adverse impacts on the quality of the environment. The purpose of this checklist is to provide information to help you and the City of Redmond identify impacts from your proposal (and to reduce or avoid impacts from the proposal, if it can be done) and to help the agency decide whether an EIS is required.

Instructions for Applicants:

This environmental checklist asks you to describe some basic information about your proposal. Governmental agencies use this checklist to determine whether the environmental impacts of your proposal are significant, requiring preparation of an EIS. Answer the questions briefly, with the most precise information known, or give the best description you can.

You must answer each question accurately and carefully, to the best of your knowledge. In most cases, you should be able to answer the questions from your own observations or project plans without the need to hire experts. If you really do not know the answer, or if a question does not apply to your proposal, write "do not know" or "does not apply" and indicate the reason why the question "does not apply". It is not adequate to submit responses such as "N/A" or "does not apply"; without providing a reason why the specific section does not relate or cause an impact. Complete answers to the questions now may avoid unnecessary delays later. If you need more space to write answers attach them and reference the question number.

Some questions ask about governmental regulations, such as zoning, shoreline, and landmark designations. Answer these questions if you can. If you have problems, the City can assist you.

The checklist questions apply to all parts of your proposal, even if you plan to do them over a period of time or on different parcels of land. Attach any additional information that will help describe your proposal or its environmental effects. When you submit this checklist the City may ask you to explain your answers or provide additional information reasonably related to determining if there may be significant adverse impact.

Planner Name: CBeam
Date of Review: 9/21/16

To Be Completed By Applicant	Evaluation for Agency Use Only
<p>8. Do you have any plans for future additions, expansion, or further activity related to or connected with this proposal? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If yes, explain. Long-term invasive species management and plantings of native riparian and wetland species</p>	<p style="text-align: center;">CB</p>
<p>9. List any environmental information you know about that has been prepared or will be prepared directly related to this proposal. Critical areas report, Biological Assessment, JARPA application package, Clearing & Grading application package</p>	<p style="text-align: center;">CB</p>
<p>10. Do you know whether applications are pending for governmental approvals of other proposals directly affecting the property covered by your proposal? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, explain.</p>	<p style="text-align: center;">CB</p>
<p>11. List any government approvals or permits that will be needed for your proposal, if known. Corps of Engineers Section 404, Hydraulic Project Approval, Section 401 Water Quality Certification, City of Redmond Clearing & Grading, King County Clearing & Grading</p>	<p style="text-align: center;">CB</p>
<p>12. Give brief, complete description of your proposal, including the proposed uses and the size of the project and site. There are several questions later in this checklist that ask you to describe certain aspects of your proposal. You do not need to repeat those answers on this page. The project purpose is to enhance Mackey Creek and its associated riparian and wetland habitats. Key features include removal of fish passage barriers, reduce sediment deposition/erosion problems and restore more diverse stream habitats, manage invasive species, and enhance native plant communities.</p>	<p style="text-align: center;">CB</p>

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<p>13. Location of the proposal. Give sufficient information for a person to understand the precise location of your proposed project, including a street address, if any, and section, township, and range, if known. If a proposal would occur over a range of area, provide the range or boundaries of the site(s). Provide a legal description, site plan, vicinity map, and topographic map, if reasonably available. While you should submit any plans required by the agency, you are not required to duplicate maps or detailed plans submitted with any permit applications related to this checklist.</p> <p>Farrel-McWhirter Park at 19545 Redmond Road, and a contiguous undeveloped King County right-of-way on the east park boundary. Section 31, Township 26N, Range 06E. All work will occur along Mackey Creek and its North and South Forks in the central portion of the park.</p>	<p>CB</p>
<p>B. ENVIRONMENTAL ELEMENTS</p> <p>1. Earth</p> <p>a. General description of the site</p> <p><input checked="" type="checkbox"/> Flat</p> <p><input type="checkbox"/> Rolling</p> <p><input checked="" type="checkbox"/> Hilly</p> <p><input type="checkbox"/> Steep slopes</p> <p><input type="checkbox"/> Mountainous</p> <p><input type="checkbox"/> Other</p> <p>b. What is the steepest slope on the site (approximate percent slope)? Describe location and areas of different topography.</p> <p>15% slopes within Farrel-McWhirter Park (eastern portion). Construction is proposed in areas with less than 8% slopes.</p>	<p>CB</p> <p>CB</p>

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<p>c. What general types of soils are found on the site (for example, clay, sand, gravel, peat, mulch)? If you know the classification of agricultural soils, specify them and note any agricultural land of long-term commercial significance and whether the proposal results in removing any of these soils.</p> <p>Alderwood gravelly sandy loam, Everett gravelly sandy loam, Indianola loamy fine sand, Kitsap silt loam, Norma sandy loam, Puyallup fine sandy loam</p>	<p>CB</p>
<p>d. Are there surface indications or history of unstable soils in the immediate vicinity? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, describe.</p>	<p>CB</p>
<p>e. Describe the purpose, type, total area, location and approximate quantities and total affected area of any filling, excavation, and grading proposed. Indicate source of fill.</p> <p>Clearing of up to 3 acres of invasive vegetation within wetlands, excavation of 2,150 CY of sand, gravel, topsoil to create new mainstream and intermittent tributary channels. Reuse on-site to create topographic diversity. Place 1,300 CY of gravel/cobble/boulders for new streambed substrate, 50 CY wood</p>	<p>CB</p>
<p>f. Could erosion occur as a result of clearing, construction, or use? If so, generally describe.</p> <p>Erosion could occur from stormwater runoff from cleared areas immediately following construction, erosion of the channel banks could occur until vegetation is established. To minimize erosion, the site will be mulched, seeded, and planted as soon as possible after final grading.</p>	<p>CB</p>
<p>g. About what percentage of the site will be covered with impervious surfaces after project construction (for example, asphalt or buildings)?</p> <p>150 square feet from new pedestrian/equestrian bridge that will replace two fish barrier culverts.</p>	<p>CB</p>

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<p>h. Proposed measures to reduce or control erosion, or other impacts to the earth, if any.</p> <p>To minimize the potential for erosion, the site will be mulched, seeded, and planted as soon as possible after final grading.</p>	<p>CB</p>
<p>i. Does the landfill or excavation involve over 100 cubic yards throughout the lifetime of the project?</p> <p>Yes</p>	<p>CB</p>
<p>2. Air</p>	
<p>a. What types of emissions to the air (i.e. dust, automobile, odors, industrial wood smoke, and greenhouse gases) would result from the proposal during construction, operation, and maintenance when the project is completed? If any, generally describe and give approximate quantities if known.</p> <p>The use of construction equipment would result in temporary releases of vehicle emissions. Once the project construction is complete, there would not be any further emissions. During construction, dust could be stirred up from cleared areas.</p>	<p>CB</p>
<p>b. Are there any off-site sources of emissions or odor that may affect your proposal? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, generally describe.</p>	<p>CB</p>
<p>c. Proposed measures to reduce or control emissions or other impacts to air, if any.</p> <p>Short-term use of construction equipment is a negligible source of emissions. To reduce the potential for air-borne dust, the cleared areas will be minimized and will be sprinkled with water to minimize dust releases.</p>	<p>CB</p>

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<p>3. Water</p> <p>a. Surface</p> <p>1. Is there any surface water body on or in the immediate vicinity of the site (including year-round and seasonal streams, lakes, ponds, wetlands)? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If yes, describe type, location and provide names. If appropriate, state what stream or river it flows into. Provide a sketch if not shown on site plans.</p> <p>Yes, Mackey Creek, North and South Forks Mackey Creek, unnamed intermittent tributary, and wetlands 1-4 (as shown in the critical areas report). Mackey Creek is a tributary to Bear Creek.</p> <p>2. Will the project require any work over, in, or adjacent to (within 200 feet) the described waters? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If yes, please describe and attach available plans. Note approximate distance between surface waters and any construction, fill, etc.</p> <p>Yes, project purpose is to enhance Mackey Creek and its associated floodplain wetlands, thus all work is within the stated waters. See attached plans and critical areas report.</p> <p>3. Estimate the amount of fill and dredge material that would be placed in or removed from surface water or wetlands and indicate the area of the site that would be affected. Indicate the source of fill material.</p> <p>Excavate 2,150 CY of sand/gravel/topsoil for creek channels, reuse on-site for topographic diversity, place 1,300 CY gravel/cobble/boulders and 50 CY large wood (commercial).</p> <p>4. Will the proposal require surface water withdrawals or diversions? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Will the proposal require permanent dewatering or temporary dewatering? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If yes, give general description, purpose, and approximate quantities if known.</p> <p>Temporary dewatering/diversion around work zones, via gravity pipe and/or pumps.</p>	<p>CB</p> <p>CB</p> <p>CB</p> <p>CB</p>

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<p>5. Does the proposal lie within a 100-year floodplain? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If yes, note location on the site plan.</p> <p>The project area has not been mapped for floodplains due to small drainage area. However, the entire site is presumed to be within the 100-year floodplain as it is located within and immediately adjacent to Mackey Creek.</p>	<p>CB</p>
<p>6. Does the proposal involve any discharge of waste materials to surface waters? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, describe the type of waste and anticipated volume of discharge.</p>	<p>CB</p>
<p>7. Is your property located within the Bear/Evans Creek Watershed (see attached map)? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If yes, answer questions 8 & 9. If no, go to the next section.</p>	<p>CB</p>
<p>8. Provide details on how you propose to maximize infiltration of runoff to recharge associated stream during the summer months.</p> <p>Project is intended to reconnect Mackey Creek with its floodplain and reduce channel incision and enhance floodplain wetlands to promote floodplain storage/recharge.</p>	<p>CB</p>
<p>9. Does your project propose an increase in fecal coliform levels in the surface water? If so, describe impacts.</p> <p>No.</p>	<p>CB</p>

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<p>b. Ground</p> <p>1. Will groundwater be withdrawn from a well for drinking water or other purpose? If so, give a general description of the well, proposed uses and approximate quantities withdrawn from the well. Will water be discharged to groundwater? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Give general description, purpose, and approximate quantities if known.</p> <p>No water will be withdrawn for drinking water or other purposes. Water may be temporarily pumped from the work zone to facilitate construction and it would be discharged via perforated piping or sediment bags and allowed to infiltrate into adjacent floodplain wetlands.</p> <p>2. Describe waste material that will be discharged into the ground from septic tanks or other sources, if any (for example: domestic sewage; industrial, containing the following chemicals, agricultural; etc.) Describe the general size of the system, the number of such systems, the number of houses to be served (if applicable), or the number of animals or humans the system(s) are expected to serve.</p> <p>N/A</p>	<p>CB</p> <p>CB</p>
<p>c. Water Runoff (including storm water):</p> <p>1. Describe the source(s) of runoff (including storm water) and method of collection, transport/conveyance, and disposal, if any (include quantities, if known). Where will this water flow? Will this water flow into other waters? If so, describe.</p> <p>During construction, stormwater could sheet-flow from the site and enter Mackey Creek.</p>	<p>CB</p>

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<p>2. Could waste materials enter ground or surface waters? If so, generally describe.</p> <p>Sediment could enter Mackey Creek from runoff of cleared areas.</p> <p>3. Does the proposal alter or otherwise affect drainage patterns in the vicinity of the site? If so, describe.</p> <p>The project will restore a primary channel to the Mackey Creek mainstem from the existing braided and diffuse overland flow that currently occurs, thus improving fish passage and reducing off-site flooding that occurs to the downstream Nicholl's Trail.</p> <p>d. Proposed measures to reduce or control surface, ground, and runoff water, and drainage pattern impacts, if any.</p> <p>To minimize the potential for erosion and runoff of sediment/turbidity, the site will be mulched, seeded, and planted as soon as possible after final grading. During construction, Best Management Practices (BMPs) such as temporary mulching, silt fencing, and coir wattles will be used as appropriate.</p>	<p>CB</p> <p>CB</p> <p>CB</p>
<p>4. Plants</p> <p>a. Select types of vegetation found on the site:</p> <p>Deciduous Tree: Alder <input checked="" type="checkbox"/> Maple <input checked="" type="checkbox"/> Aspen <input type="checkbox"/> Other <input type="checkbox"/></p> <p>Evergreen Tree: Cedar <input checked="" type="checkbox"/> Fir <input checked="" type="checkbox"/> Pine <input type="checkbox"/> Other <input type="checkbox"/></p> <p><input checked="" type="checkbox"/> Shrubs</p> <p><input checked="" type="checkbox"/> Grass</p> <p><input type="checkbox"/> Pasture</p> <p><input type="checkbox"/> Crop or Grain</p> <p><input type="checkbox"/> Orchards, Vineyards, or Other Permanent Crops</p> <p>Wet soil plants: Cattail <input type="checkbox"/> Buttercup <input type="checkbox"/> Bullrush <input type="checkbox"/></p> <p>Skunk Cabbage <input checked="" type="checkbox"/> Other <input checked="" type="checkbox"/></p> <p>Water plants: Water lily <input type="checkbox"/> Eelgrass <input type="checkbox"/> Milfoil <input type="checkbox"/></p> <p>Other <input type="checkbox"/></p>	

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<p>Other types of vegetation (please list)</p> <p>Heavy dominance of non-native invasive reed canary grass and Armenian blackberries.</p> <p>b. What kind and amount of vegetation will be removed or altered?</p> <p>Clearing and grading will occur on 3 acres of the site. An estimated 25 trees (both deciduous and coniferous) will be removed and reused on site for large wood. The understory is dominated by reed canary grass, which will be removed off-site. Shrubs such as willows will be salvaged or cut into cuttings for native plantings. All disturbed areas will be replanted.</p> <p>c. Provide the number of significant and landmark trees located on the site and estimate the number proposed to be removed and saved in the table below.</p> <table border="1" data-bbox="250 932 1016 1367"> <thead> <tr> <th>Tree Type</th> <th>Total (#)</th> <th>Removed (#)</th> <th>Saved (#)</th> <th>Percentage saved (%)</th> </tr> </thead> <tbody> <tr> <td>Landmark (>30" dbh*)</td> <td>15</td> <td>1</td> <td>14</td> <td>93</td> </tr> <tr> <td>Significant (6" – 30" dbh*)</td> <td>66</td> <td>24</td> <td>42</td> <td>63</td> </tr> <tr> <td>Percentage (%)</td> <td>81</td> <td>25</td> <td>56</td> <td>69</td> </tr> </tbody> </table> <p><i>Note: Since a SEPA Determination is issued early on in the project's review process; the information above is a preliminary estimate only and could change during the development review process.</i></p> <p>* DBH – Diameter at breast height</p> <p>d. List threatened or endangered species known to be on or near the site.</p> <p>No listed T&E plant species on the site.</p>	Tree Type	Total (#)	Removed (#)	Saved (#)	Percentage saved (%)	Landmark (>30" dbh*)	15	1	14	93	Significant (6" – 30" dbh*)	66	24	42	63	Percentage (%)	81	25	56	69	<p>CB</p> <p>CB</p> <p>CB</p> <p>CB</p>
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<p>e. Proposed landscaping, use of native plants, or other measures to preserve or enhance vegetation on the site, if any:</p> <p style="padding-left: 40px;">A primary purpose of the project is to manage invasive species, primarily reed canary grass that is dense and has overgrown the Mackey Creek channel, causing excessive sediment deposition and channel braiding/avulsion problems. Disturbed areas will be mulched, seeded, and planted with native species.</p> <p>f. List all noxious weeds and invasive species known to be on or near the site.</p> <p style="padding-left: 40px;">Reed canary grass, Armenian blackberry, evergreen blackberry</p>	<p style="text-align: center;">CB</p> <p style="text-align: center;">CB</p>
<p>5. Animals</p> <p>a. List any birds and other animals which have been observed on or near the site or are known to be on or near the site.</p> <p>Birds: Hawk <input checked="" type="checkbox"/> Heron <input type="checkbox"/> Eagle <input checked="" type="checkbox"/> Songbirds <input checked="" type="checkbox"/> Other <input type="checkbox"/></p> <p>Mammals: Deer <input checked="" type="checkbox"/> Bear <input checked="" type="checkbox"/> Elk <input type="checkbox"/> Beaver <input type="checkbox"/></p> <p>Fish: Bass <input type="checkbox"/> Salmon <input checked="" type="checkbox"/> Trout <input checked="" type="checkbox"/> Herring <input type="checkbox"/> Shellfish <input type="checkbox"/> Other <input type="checkbox"/></p> <p>b. List any threatened or endangered species known to be on or near the site.</p> <p style="padding-left: 40px;">Puget Sound Chinook, Puget Sound steelhead</p> <p>c. Is the site part of a migration route? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If yes, explain.</p> <p style="padding-left: 40px;">Not known to be a wildlife migration route, but could provide salmon migration and habitat if accessible.</p>	<p style="text-align: center;">CB</p> <p style="text-align: center;">CB</p> <p style="text-align: center;">CB</p>

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<p>d. Proposed measures to preserve or enhance wildlife, if any:</p> <p>Removal of fish passage barriers, enhancement of stream habitat with large wood, management of invasive species and plantings of native species.</p>	<p>CB</p>
<p>e. List any invasive animal species known to be on or near the site.</p> <p>None known to be present.</p>	<p>CB</p>
<p>6. Energy and Natural Resources</p>	
<p>a. What kinds of energy (electric, natural gas, oil, wood stove, solar) will be used to meet the completed project's energy needs? Describe whether it will be used for heating, manufacturing, etc.</p> <p>N/A</p>	<p>CB</p>
<p>b. Would your project affect the potential use of solar energy by adjacent properties? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, generally describe.</p>	<p>CB</p>
<p>c. What kinds of energy conservation features are included in the plans of this proposal? List other proposed measures to reduce or control energy impacts, if any.</p> <p>N/A</p>	<p>CB</p>

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<p>7. Environmental Health</p> <p>a. Are there any environmental health hazards, including exposure to toxic chemicals, risk of fire and explosion, spill, or hazardous waste that could occur as a result of this proposal? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, describe.</p> <p>1. Describe any known or possible contamination at the site from present or past practices.</p> <p>None known</p> <p>2. Describe existing hazardous chemicals/conditions that might affect project development and design. This includes underground hazardous liquid and gas transmission pipelines located within the project area and in the vicinity.</p> <p>None known</p> <p>3. Describe any toxic or hazardous chemicals that might be stored, used, or produced during the project's development or construction, or at any time during the operating life of the project. (for example: flammable liquids, combustible liquids, flammable gases, combustible or flammable fibers, flammable solids, unstable materials, corrosives, oxidizing materials, organic peroxides, nitromethane, ammonium nitrate, highly toxic material, poisonous gas, smokeless powder, black sporting powder, ammunition, explosives, cryogenics, medical gas, radioactive material, biological material or high piled storage (over 12' in most cases).</p> <p>Fuels and lubricants may be temporarily stored on site for construction equipment, but will be stored as far away from Mackey Creek and wetlands as feasible and protected to prevent spills.</p>	<p>CB</p> <p>CB</p> <p>CB</p> <p>CB</p>

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<p>4. Describe special emergency services that might be required.</p> <p>N/A</p>	<p>CB</p>
<p>5. Proposed measures to reduce or control environmental health hazards, if any.</p> <p>Store fuels/lubricants as far away from Mackey Creek and wetlands as feasible and maintain spill prevention and cleanup equipment on site during construction.</p>	<p>CB</p>
<p>b. Noise</p> <p>1. What types of noise exist in the area which may affect your project (for example: traffic equipment, operation, other)?</p>	
<p>N/A</p>	<p>CB</p>
<p>2. What types and levels of noise would be created by or associated with the project on a short-term or a long-term basis (for example: traffic, construction, operation, other)? Indicate what hours noise would come from the site.</p>	
<p>Temporary noise from the use of construction equipment would occur during normal working hours from 7:00 a.m. to 7:00 p.m.</p>	<p>CB</p>

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<p>3. Proposed measures to reduce or control noise impacts, if any.</p> <p>N/A</p>	<p>CB</p>
<p>8. Land and Shoreline Use</p> <p>a. What is the current use of the site and adjacent properties? Will the proposal affect current land uses on nearby or adjacent properties? If so, describe.</p> <p>The site is a City park with educational farming, horse riding, and passive recreation features such as trails. Adjacent properties are residential. The project will not change the land use on the project site or adjacent properties.</p> <p>b. Has the site been used as working farmlands or working forest lands? Is so, describe. How much agricultural or forest land of long term commercial significance will be converted to other uses as a result of the proposal, if any? If resource lands have not been designated, how many acres in farmland or forest land tax status will be converted to non-farm or non-forest use?</p> <p>No</p> <p>1). Will the proposal affect or be affected by surrounding working farm or forest land normal business operations, such as oversize equipment access, the application of pesticides, tilling, and harvesting? If so, how?</p> <p>No</p>	<p>CB</p> <p>CB</p> <p>CB</p> <p>CB</p>

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<p>c. Describe any structures on site.</p> <p>Within Farrel-McWhirter Park there are two former residences that now serve as staff offices and meeting rooms, a restroom facility, and a barn and associated animal sheds. These are all located outside of the project construction area.</p>	<p>CB</p>
<p>d. Will any structures be demolished? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If yes, what?</p> <p>No buildings will be demolished. Two fish passage barrier culverts will be removed and replaced with a pedestrian/equestrian bridge.</p>	<p>CB</p>
<p>e. What is the current zoning classification of the site?</p> <p>RA-5, Semirural residential</p>	<p>CB</p>
<p>f. What is the current comprehensive plan designation of the site?</p> <p>Park and open space</p>	<p>CB</p>
<p>g. If applicable, what is the current shoreline master program designation of the site?</p> <p>N/A</p>	<p>CB</p>
<p>h. Has any part of the site been classified as a critical area by the city or county? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If yes, specify. (If unsure, check with City)</p> <p>Yes, streams, wetlands, and critical aquifer recharge areas. See attached Critical Areas Report.</p>	<p>CB</p>

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<p>i. Approximately how many people would reside or work in the completed project?</p> <p>N/A</p>	<p>CB</p>
<p>j. Approximately how many people would the completed project displace?</p> <p>N/A</p>	<p>CB</p>
<p>k. Proposed measures to avoid or reduce displacement impacts, if any:</p> <p>N/A</p>	<p>CB</p>
<p>l. Proposed measures to ensure the proposal is compatible with existing and projected land uses and plans, if any:</p> <p>N/A</p>	<p>CB</p>
<p>m. Proposed measures to ensure the proposal is compatible with nearby agricultural and forest lands of long-term commercial significance, if any:</p> <p>N/A</p>	<p>CB</p>
<p>n. What percentage of the building will be used for:</p> <p>Warehousing <u> 0 </u></p> <p>Manufacturing <u> 0 </u></p> <p>Office <u> 0 </u></p> <p>Retail <u> 0 </u></p>	

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<p>Service (specify) _____ 0</p> <p>Other (specify) _____ 0</p> <p>Residential _____ 0</p>	<p>CB</p>
<p>0. What is the proposed I.B.C. construction type?</p> <p>N/A</p>	<p>CB</p>
<p>p. How many square feet are proposed (gross square footage including all floors, mezzanines, etc.)?</p> <p>N/A</p>	<p>CB</p>
<p>q. How many square feet are available for future expansion (gross square footage including floors, mezzanines and additions)?</p> <p>N/A</p>	<p>CB</p>
<p>9. Housing</p> <p>a. Approximately how many units would be provided, if any? Indicate whether high, middle, or low-income housing.</p> <p>N/A</p>	<p>CB</p>

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<p>b. Approximately how many units, if any, would be eliminated? Indicate whether high, middle, or low-income housing.</p> <p>N/A</p>	<p>CB</p>
<p>c. Proposed measures to reduce or control housing impacts, if any:</p> <p>N/A</p>	<p>CB</p>
<p>10. Aesthetics</p>	
<p>a. What is the tallest height of any proposed structure(s), not including antennas? What is the principal exterior building material(s) proposed?</p> <p>N/A</p>	<p>CB</p>
<p>b. What views in the immediate vicinity would be altered or obstructed?</p> <p>Areas of dense grass (reed canary grass) would be cleared and grubbed and then replanted with native trees and shrubs. Two culverts would be removed and replaced with a pedestrian/equestrian bridge.</p>	<p>CB</p>
<p>c. Proposed measures to reduce or control aesthetic impacts, if any:</p> <p>Minimize clearing during construction and replanting as quickly as possible following construction. Overall, views would be of more natural vegetation and more natural stream/wetland conditions.</p>	<p>CB</p>

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<p>11. Light and Glare</p> <p>a. What type of light or glare will the proposal produce? What time of day or night would it mainly occur? N/A</p> <p>b. Could light or glare from the finished project be a safety hazard or interfere with views? N/A</p> <p>c. What existing off-site sources of light or glare may affect your proposal? N/A</p> <p>d. Proposed measures to reduce or control light and glare impacts, if any: N/A</p>	<p>CB</p> <p>CB</p> <p>CB</p> <p>CB</p>
<p>12. Recreation</p> <p>a. What designated and informal recreational opportunities are in the immediate vicinity? The project site is a City park with educational farm facilities and horse-riding and passive recreational features such as trails.</p>	<p>CB</p>

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<p>b. Would the proposed project displace any existing recreational uses? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If yes, describe.</p> <p>During construction, the project will temporarily close small segments of pedestrian/equestrian trails. There will be no permanent changes to trails.</p> <p>c. Proposed measures to reduce or control impacts on recreation, including recreation opportunities to be provided by the project or applicant, if any:</p> <p>Trail closure durations will be minimized as feasible and temporary signage will be installed for detour routes.</p>	<p>CB</p> <p>CB</p>
<p>13. Historic and Cultural Preservation</p> <p>a. Are there any buildings structures or sites, located on or near the site that are over 45 years old listed in or eligible for listing in national, state, or local preservation registers located on or near the site? If so, generally describe.</p> <p>The Earl and Elise McWhirter Farm (now Farrel-McWhirter Park) is designated as a City of Redmond Historic Landmark. The structures were constructed in the 1930s. The project will not modify or affect any of these structures.</p>	<p>CB</p>

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<p>b. Are there any landmarks, features, or other evidence of Indian or historic use or occupation? This may include human burials or old cemeteries. Are there any material evidence, artifacts, or areas of cultural importance on or near the site? Please list any professional studies conducted at the site to identify such resources.</p> <p>Yes, five archaeological sites identified within 1 mile of the site. Site 45KI00834 is a pre-contact lithic material site containing tools and an ochre fragment and was recommended eligible for the National Register of Historic Places. The other four sites were determined not eligible for the National Register of Historic Places. These sites are all located on higher ground south of the project site. A pedestrian survey with minor shovel test probing was conducted in the project area and no archaeological features or materials were discovered. The wet conditions would have likely precluded settlement or activity.</p>	<p>CB</p>
<p>c. Describe the methods used to assess the potential impacts to cultural and historic resources on or near the project site. Examples include consultation with tribes and the Department of Archaeological and Historic Preservation, archaeological surveys, historic maps, GIS data, etc.</p> <p>The state archaeological database/records were searched to identify the archaeological sites and studies available. A pedestrian survey with shovel test probing was conducted in July 2016</p>	<p>CB</p>
<p>d. Proposed measures to avoid, minimize, or compensate for loss, changes to, and disturbance to resources. Please include plans for the above and any permits that may be required.</p> <p>If any historic materials are discovered during construction, then project work should halt until a qualified archaeologist can inspect and determine the nature of the find.</p>	<p>CB</p>

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<p>14. Transportation</p> <p>a. Identify public streets and highways serving the site, or affected geographic area, and describe proposed access to the existing street system. Show on site plans, if any.</p> <p style="padding-left: 40px;">Redmond Road and 192nd Avenue NE. Construction equipment and materials would access the park on an existing park service road from 192nd Avenue NE.</p> <p>b. Is the site currently or affected geographic area currently served by public transit? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, generally describe. If not, what is the approximate distance to the nearest transit stop?</p> <p style="padding-left: 40px;">Bus #224 runs along Novelty Hill Road, approximately ½ mile from the park entrance.</p> <p>c. How many additional parking spaces would the completed project have? How many would the project eliminate?</p> <p style="padding-left: 40px;">N/A</p> <p>d. Will the proposal require any new or improvements to existing roads, streets, pedestrian, bicycle, or transportation facilities not including driveways? If so, generally describe (indicate whether public or private).</p> <p style="padding-left: 40px;">N/A</p>	<p style="text-align: center;">CB</p> <p style="text-align: center;">CB</p> <p style="text-align: center;">CB</p> <p style="text-align: center;">CB</p>

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<p>e. Will the project use (or occur in the immediate vicinity of) water, rail, or air transportation? If so, generally describe.</p> <p>No</p>	<p>CB</p>
<p>f. How many weekday vehicular trips (one way) per day would be generated by the completed project? _____ If known, indicate when peak volumes would occur: _____ - _____ a.m. and _____ - _____ p.m. How many of these trips occur in the a.m. peak hours? _____ How many of these trips occur in the p.m. peak hours? _____ What percentage of the volume would be trucks (such as commercial and non-passenger vehicles)? _____ What data or transportation models were used to make these estimates?</p> <p>N/A</p>	<p>CB</p>
<p>g. Will the proposal interfere with, affect or be affected by the movement of agricultural and forest products on roads or streets in the area? If so, generally describe.</p> <p>No</p>	<p>CB</p>
<p>h. Proposed measures to reduce or control transportation impacts, if any.</p> <p>Construction equipment and truck traffic will be minimized by using the majority of excavated materials on site. Trucks will only be allowed on residential streets during normal working hours from 7:00 a.m. to 7:00 p.m.</p>	<p>CB</p>

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<p>15. Public Services</p> <p>a. Would the project result in an increased need for public services (for example: fire protection, police protection, public transit, health care, schools, other)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, generally describe.</p> <p>b. Proposed measures to reduce or control direct impacts on public services, if any.</p> <p>N/A</p>	<p>CB</p> <p>CB</p>
<p>16. Utilities</p> <p>a. Select utilities currently available at the site:</p> <ul style="list-style-type: none"> <input checked="" type="checkbox"/> Electricity <input type="checkbox"/> Natural Gas <input checked="" type="checkbox"/> Water <input checked="" type="checkbox"/> Refuse Service <input checked="" type="checkbox"/> Telephone <input checked="" type="checkbox"/> Sanitary Sewer <input type="checkbox"/> Septic System <input type="checkbox"/> Other 	<p>CB</p>

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<p>b. Describe the utilities that are proposed for the project, the utility providing the service, and the general construction activities on the site or in the immediate vicinity which might be needed.</p> <p>An existing park water line for park irrigation will be relocated during construction.</p>	<p>CB</p>

C. SIGNATURE

The above answers are true and complete to the best of my knowledge. I understand that the lead agency is relying on them to make its decision.

Signature: Tom Hardy Digitally signed by Tom Hardy
 DN: cn=Tom Hardy
 Date: 2016.08.23 15:36:41 -07'00'

Name of Signee: Tom Hardy

Stream and Habitat Planner; City of Redmond

Position and Agency/Organization: _____
 Project Manager

Relationship of Signer to Project: _____

Date Submitted: 8/23/16

Figure 1. Project Vicinity Map.

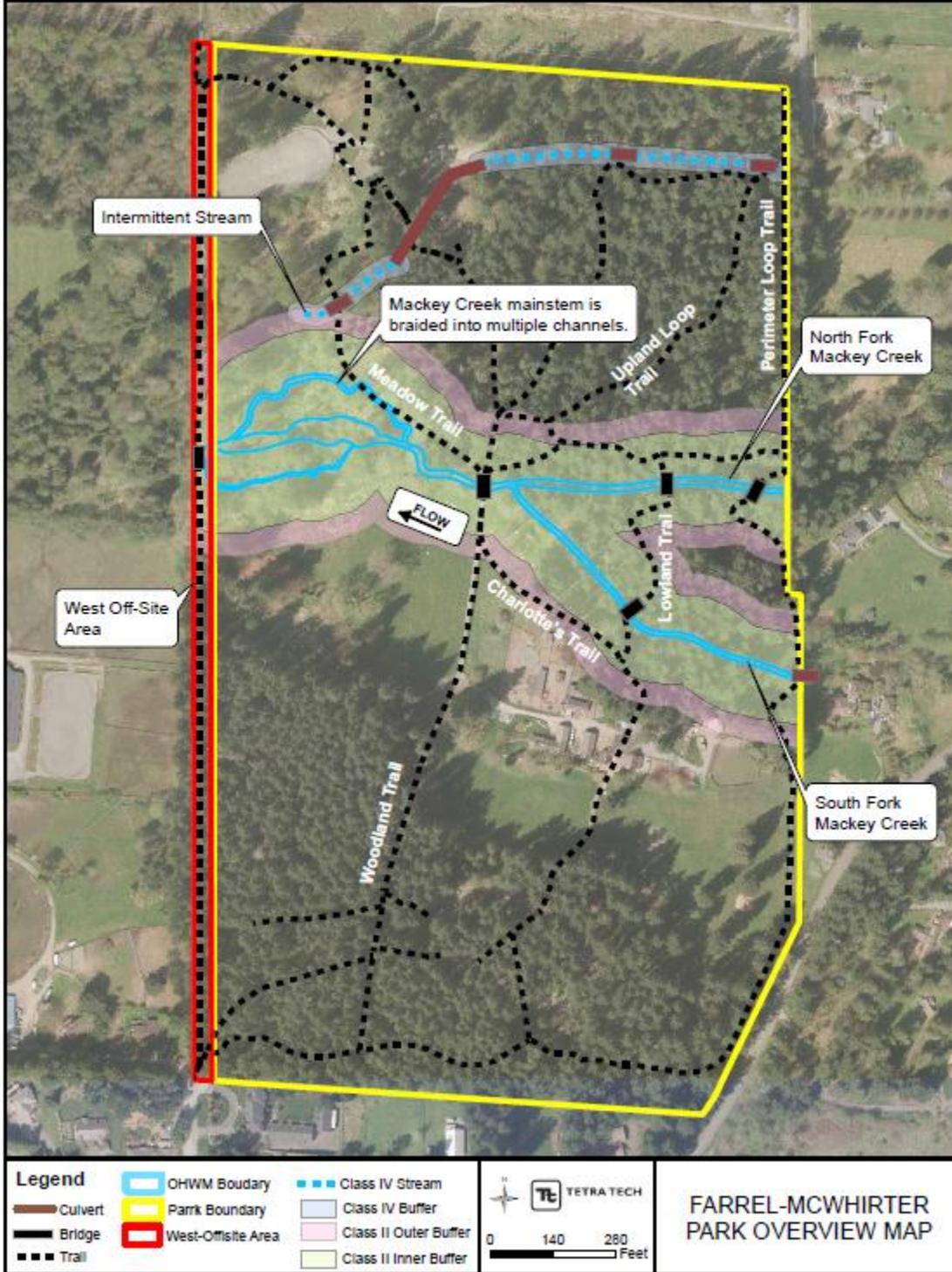


Figure 2. Mackey Creek Overview Map.