

**WAC 197-11-960 Environmental checklist.**

ENVIRONMENTAL CHECKLIST

*Purpose of 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 agency 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." Complete answers to the questions now may avoid unnecessary delays later.

Some questions ask about governmental regulations, such as zoning, shoreline, and landmark designations. Answer these questions if you can. If you have problems, the governmental agencies 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. The agency to which you submit this checklist may ask you to explain your answers or provide additional information reasonably related to determining if there may be significant adverse impact.

*Use of checklist for nonproject proposals:*

Complete this checklist for nonproject proposals, even though questions may be answered "does not apply." IN ADDITION, complete the SUPPLEMENTAL SHEET FOR NONPROJECT ACTIONS (part D).

For nonproject actions, the references in the checklist to the words "project," "applicant," and "property or site" should be read as "proposal," "proposer," and "affected geographic area," respectively.

A. BACKGROUND

1. Name of proposed project, if applicable:

WDFW Langsdorf Access Boat Ramp Renovation and Site Upgrade

2. Name of applicant:

Washington State Fish and Wildlife

3. Address and phone number of applicant and contact person:

Washington State Fish and Wildlife - Cindy Knudsen  
600 Capitol Way North  
Olympia WA 98501  
360 902 8422

4. Date checklist prepared:

9 10 2012

5. Agency requesting checklist:

Washington State Fish and Wildlife

6. Proposed timing or schedule (including phasing, if applicable):

The general Clark County Work Window will be used unless permit requirements specify a more specific time:

Start date: July 16 - September 30, 2013 – 2015 for in water work  
Pile driving December January, 2012 - 2014 \_\_\_\_  
End date: \_\_\_\_ July 16 – Sept 30, 2014 or 15 \_\_\_\_

7. Do you have any plans for future additions, expansion, or further activity related to or connected with this proposal? If yes, explain.

No further expansion of this project is planned.

8. List any environmental information you know about that has been prepared, or will be prepared, directly related to this proposal.

Wetlands delineation, a Geotechnical Report, a Cultural Resources Survey and a Biological Assessment will be prepared.

9. Do you know whether applications are pending for governmental approvals of other proposals directly affecting the property covered by your proposal? If yes, explain.

No other applications are pending for governmental approvals for this property.

10. List any government approvals or permits that will be needed for your proposal, if known.

Clark County Major Development permit and other associated Clark County permits including a floodplain permit, a United States Army Corps of Engineers permit, and an HPA will be required.

11. 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. (Lead agencies may modify this form to include additional specific information on project description.)

This WDFW Access requires maintenance so the public will have continued recreational opportunities at this site. This site is heavily used and in need of repairs. Occasionally parking overflows to adjacent streets causing safety concerns. The site will be renovated to bring it into compliance with ADA accessible standards and the parking areas will be paved, regraded, and parking areas defined. Facility upgrades include an ADA loading ramp, and a float next to the boat ramp.

This project replaces an existing boat ramp, installs a float alongside the boat ramp and a toilet, paves a graveled parking area next to the boat ramp, and resurfaces a gravel parking area across the street from the boat launch. An ADA accessible parking area, sidewalks and a loading ramp will be installed near the boat ramp, along with an informational kiosk.

**Boat Ramp:** The existing concrete boat ramp will be removed and disposed of at a nearby landfill. The ramp area will be graded, and 4 inches of a 1 ¼ clean washed gravel foundation will be established. A geotextile mat will be installed below the crushed rock surface. New precast ramp concrete sections (4 foot wide by 12 foot long) will be installed and bolted in place. The new ramp (12 feet wide and 120 feet long) will have Armor flex concrete blocking (mats approximately 16 feet long by 4 feet wide) installed at the sides of the ramp with one Armorflex section (8 feet long x 16 feet wide) installed at the bottom of the ramp to protect the ramp from erosion and undermining.

**Parking area:**

At the Langsdorf Access site there are two main parking areas. One is next to the boat ramp and the other area is directly across the street in an agricultural field at the WDFW Shillipoo Wildlife Area. The boat ramp parking area will be asphalt paved and the other parking area at the WDFW wildlife area will be expanded and resurfaced with gravel materials.

**Boat Ramp Parking:** The boat ramp parking area (26,043 square feet) has a damaged gravel surface that will be paved (a total of approximately 25,980 square feet). Seventeen parking spaces will be created (10 feet wide x 170 feet long) with wheel stops placed 10 feet on center. This parking area will have an additional ADA access parking near the vault toilet for three trailers and one parking stall. The entrance and exit area will also be paved with a 20 foot wide roadway area to match existing road grade.

**Wildlife Area Parking:** The wildlife access area presently has a damaged gravel surface. The new parking area will resurface the present gravel parking area and add a new expanded area. The existing parking area will be regraded and augmented with (120 cubic yards) CSTC materials. Seventeen new parking spaces will be created (10 feet wide x 170 feet long) with wheel stops placed 10 feet on center to provide more organized parking opportunities on site. The new area (14,072 square feet) will be regraded (260 cubic yards) of gravel material. Total impervious area will now include an expanded area of 45 parking spaces for a total of (36,039) square feet. There will be a new asphalt entrance to the wildlife parking area that will be 20 feet wide (2427 square feet) to match existing road grade surface.

**Loading Ramp**

This project will install an ADA accessible loading platform (20 feet long x 15 feet wide). There is a paved asphalt ADA pull in parking area next to it. The loading platform will be installed on a compacted structural fill foundation. ADA signage with a wheel stop will be placed at the loading platform. A walkway (approximately 4 feet wide x 88 feet long) leads from the ADA parking area, up a ramp to the loading platform, and then to the water's edge.

**Vault Toilet**

Presently the site has two vault toilets, one in each parking area. The proposed project will relocate the vault toilet at the wildlife access parking area. At the boat ramp area a ADA stall will be paved next to the vault toilet. Barrier rock boulders will be placed in front of and alongside the vault toilet. Accessible signage will be posted next to each vault toilet.

**Information Kiosk**

The information kiosk (approximately 8 feet tall and 8 feet wide) will be pre-constructed and installed on site on 6 inch x 6 inch pressure treated posts. This kiosk will have educational materials posted such as fishing regulations, public safety notices and WDFW Access site rules posted.

Please see site drawings for more specific information.

12. 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.

From Interstate 5 south, take exit 1D, take exit 1D right, and follow signs for East-4<sup>th</sup> Plain Blvd. West 0.23 miles. Bear right on E. Fourth Plain Blvd. for 0.4 miles. The road name changes to W. Fourth Plain Blvd in 1.1 miles. Keep right toward WA-501 / Lower River Road for 0.1 mile. Keep straight onto WA-501 / Lower River Road for 3.1 Miles. Turn Left to stay on WA-501 / NW Lower River Road for 3.4 miles. Arrive at the WDFW Langsdorf Fishing Access. T3N, R1W, S 36<sup>1</sup> (45.70433,-122.75911).

**B. ENVIRONMENTAL ELEMENTS**

**1. Earth**

a. General description of the site (circle one): **Flat**, rolling, hilly, steep slopes, mountainous, other. . . . .

This site is on the Columbia River in a region that has rolling hills and flat agricultural areas.

b. What is the steepest slope on the site (approximate percent slope)?

15 to 25 percent slope is found on 1 percent of the site.

c. What general types of soils are found on the site (for example, clay, sand, gravel, peat, muck)? If you know the classification of agricultural soils, specify them and note any prime farmland.

SnA—Sauvie silt loam, sandy substratum, typically found in 0 to 3 percent slopes is approximately located on 66% of the parcel.

d. Are there surface indications or history of unstable soils in the immediate vicinity? If so, describe.

No unstable soils have been identified. Clark County identifies this site as having erosion hazard areas.

e. Describe the purpose, type, and approximate quantities of any filling or grading proposed. Indicate source of fill.

The parking area at the boat ramp will be regraded and paved, and the parking area across the street at the Shillipoo Wildlife Area will be restored with 260 cubic yards of gravel (14,072 square feet).

**FILL QUANTITIES**

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<sup>1</sup> Project site is situated in claim number 45 in section 36 Township 3 North Ranged 1 West, W. M.

The materials listed below are used to restore the existing boat ramp and maintain public access to the Columbia River for recreational purposes. All fill materials will come from a local quarry.

New Ramp Planks		Below MHHW	Above MHHW	Total
	Columbia River	9.5 cy	14.63 cy	24.13 cubic yards
Armorflex	Columbia River	8.52 c.y.	7.24 c.y.	15.76 cubic yards
	Columbia River			
New washed gravel bedding under ramp	Columbia River	5.53 cy	n/a	5.53 cubic yards
Prop wash hole fill	Columbia River	15.84 c.y.	n/a	15.84 cubic yards

f. Could erosion occur as a result of clearing, construction, or use? If so, generally describe.

Temporary erosion and sediment control measures will be used during construction as described in the site plans. During construction of the boat ramp any machines entering the water will be limited to track height. Staging and refueling of machines will be conducted out of the project area with non-toxic lubricants. Fish screening will be done before construction activities are conducted.

g. About what percent of the site will be covered with impervious surfaces after project construction (for example, asphalt or buildings)?

The change in impervious surface will be approximately 1,235 square feet at site one (approximately .2%), and 16,499 square feet at site two (approximately 45%).

h. Proposed measures to reduce or control erosion, or other impacts to the earth, if any:

Turbidity curtains will be installed at the boat ramp terminus to prevent fish from entering the boat ramp construction area, and to prevent siltation from entering the Columbia River. Additional siltation prevention BMPs include; filter fabric fences, and hay bales. If sand bags are used they will be removed by hand, and then the filter fabric turbidity screening curtains will be removed. At project conclusion, these materials will be removed by hand and the old boat ramp materials will be removed and taken to an approved disposal site out of the flood zone. Boat ramp float pilings will be driven to approved refusal depths and with methods recommended by the Geotechnical Report.

## 2. Air

a. What types of emissions to the air would result from the proposal (i.e., dust, automobile, odors, and industrial wood smoke) during construction and when the project is completed? If any, generally describe and give approximate quantities if known.

No emissions will result from the completion of this project. Typical construction emissions from heavy equipment will be generated from this project during construction activities.

b. Are there any off-site sources of emissions or odor that may affect your proposal? If so, generally describe.

No.

c. Proposed measures to reduce or control emissions or other impacts to air, if any:

None.

## 3. Water

a. Surface:

- 1) Is there any surface water body on or in the immediate vicinity of the site (including year-round and seasonal streams, saltwater, lakes, ponds, wetlands)? If yes, describe type and provide names. If appropriate, state what stream or river it flows into.

The project site at the proposed boat launch location is on the Columbia River. There are wetlands in the vicinity of site two in the Shillipoo Wildlife Area. This project is near wetland buffers at site two.

- 2) Will the project require any work over, in, or adjacent to (within 200 feet) the described waters? If yes, please describe and attach available plans.

Yes, this project will conduct work adjacent and in the Columbia River. Please see site drawings.

- 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.

REMOVED FROM SURFACE WATER:

(OLD) Fill – Prop wash hole capped under ramp	Columbia River	Below MHHW	Quarry Spalls 15.84 cubic yards
Remove old boat ramp planks	Columbia River	Below MHHW	Removed from waterbody 4.80 cubic yards
Remove gravel under old boat planks	Columbia River	Below MHHW	Removed from waterbody 2.43 cubic yards
Remove existing quarry spall shoulder and gravel existing prop wash berm	Columbia River	Below MHHW	Removed from waterbody 13.59 cubic yards

FILL PLACED IN SURFACE WATER:

New Ramp Planks		Below MHHW	Above MHHW	Total
	Columbia River	9.5 cy	14.63 cy	24.13 cubic yards
Armorflex	Columbia River	8.52 c.y	7.24 c.y.	15.76 cubic yards
	Columbia River			
New washed gravel bedding under ramp	Columbia River	5.53 cy	n/a	5.53 cubic yards
Prop wash hole fill	Columbia River	15.84 c.y.	n/a	15.84 cubic yards

- 4) Will the proposal require surface water withdrawals or diversions? Give general description, purpose, and approximate quantities if known.

This project will not require surface water withdrawals or water diversions.

- 5) Does the proposal lie within a 100-year floodplain? If so, note location on the site plan.

Yes, the entire site is within the 100 year floodplain. Please see the Clark County “Environmental Constraints I” map attachment for details.

- 6) Does the proposal involve any discharges of waste materials to surface waters? If so, describe the type of waste and anticipated volume of discharge.

No waste materials will be discharged to surface waters as a result of this project.

b. Ground:

- 1) Will ground water be withdrawn, or will water be discharged to ground water? Give general description, purpose, and approximate quantities if known.

No ground water will be withdrawn, and no water will be discharged to ground water as a component of this project.

- 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.

No waste materials will be discharged into the ground from septic tanks or other sources as a result of this project. Two sealed vault toilets will be installed on site that will serve the public. These vault toilets will be maintained and pumped regularly by qualified maintenance staff.

c. Water runoff (including stormwater):

- 1) Describe the source of runoff (including storm water) and method of collection and disposal, if any (include quantities, if known). Where will this water flow? Will this water flow into other waters? If so, describe.

Stormwater will be infiltrated from pervious and impervious surfaces on site. Stormwater will eventually reach the Columbia River.

- 2) Could waste materials enter ground or surface waters? If so, generally describe.

Best management practices will be used to prevent any waste materials from entering ground or surface waters as a result of this project.

d. Proposed measures to reduce or control surface, ground, and runoff water impacts, if any:

Best management practices include hay bales, turbidity curtains, silt screens and working within approved work windows.

#### 4. Plants

a. Check or circle types of vegetation found on the site:

\_\_\_\_\_ deciduous tree: alder, maple, aspen, other

\_\_\_\_\_ evergreen tree: fir, cedar, pine, other

x\_\_\_\_\_ shrubs

x\_\_\_\_\_ grass

x\_\_\_\_\_ pasture

\_\_\_\_\_ crop or grain

\_\_\_\_\_ wet soil plants: cattail, buttercup, bullrush, skunk cabbage, other

\_\_\_\_\_ water plants: water lily, eelgrass, milfoil, other

\_\_\_\_\_ other types of vegetation

b. What kind and amount of vegetation will be removed or altered?

No vegetation will be removed as a result of this project.

c. List threatened or endangered species known to be on or near the site.

Green Sturgeon (Northern DPS and Southern DPS), Eulachon, Bull trout, Chinook, Steelhead, Stellar Sea Lions

d. Proposed landscaping, use of native plants, or other measures to preserve or enhance vegetation on the site, if any:

Any disturbed areas will be restored from native plants found on site. There is no anticipated removal of vegetation for this project.

**5. Animals**

- a. Circle any birds and animals which have been observed on or near the site or are known to be on or near the site:

birds: hawk, heron, eagle, songbirds, other: Some shorebirds, seagulls may be present.

mammals: deer, bear, elk, beaver, other:

fish: bass, salmon, trout, herring, shellfish, other:

- b. List any threatened or endangered species known to be on or near the site.

Endangered species that could be in the project vicinity are Green Sturgeon (Northern DPS and Southern DPS), Pacific Eulachon, Bull trout, Chinook, Steelhead, and Stellar Sea Lions. This area is also critical habitat for P. Eulachon and proposed critical habitat for S. Green Sturgeon.

- c. Is the site part of a migration route? If so, explain.

This site is part of the Columbia River. Species could migrate through the project vicinity.

- d. Proposed measures to preserve or enhance wildlife, if any:

None.

**6. Energy and natural resources**

- 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.

No energy requirements will be required to meet the completed project's energy needs.

- b. Would your project affect the potential use of solar energy by adjacent properties? If so, generally describe.

No.

- 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:

None.

**7. Environmental health**

- 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? If so, describe.

No.

- 1) Describe special emergency services that might be required.

None.

- 2) Proposed measures to reduce or control environmental health hazards, if any:

None.

**b. Noise**

- 1) What types of noise exist in the area which may affect your project (for example: traffic, equipment, operation, other)?

No noise exists in the area that will affect this project.

- 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.

Typical construction noise will be generated during site restoration activities. No increase in noise will be generated by the completion of this project.

- 3) Proposed measures to reduce or control noise impacts, if any:

None.

## 8. Land and shoreline use

- a. What is the current use of the site and adjacent properties?

The project location is located in a light residential rural area with agricultural fields to the north, south and east. The Columbia River is at the project location, providing recreational opportunities for fishing, wildlife viewing, and boating. At the Shillipoo Wildlife Area, there are opportunities for waterfowl hunting, hiking, and an off-leash dog area. Caterpillar Island is adjacent to the project area. A marina is downstream from the project location.

- b. Has the site been used for agriculture? If so, describe.

Near the project location at the Shillipoo Wildlife Area, there are some seasonal agricultural activities.

- c. Describe any structures on the site.

There is an existing boat launch, graveled parking areas for the boat launch, and 2 vault toilets. Also, there is a pump intake structure, a rock memorial, and an informational kiosk.

- d. Will any structures be demolished? If so, what?

The existing boat launch will be demolished and taken to a landfill out of the flood zone. The informational kiosk will be removed and replaced.

- e. What is the current zoning classification of the site?

P/WL (Public Wildlife)

AG/WL (Agricultural Wildlife)

- f. What is the current comprehensive plan designation of the site?

P/OS (Public Open Space)

- g. If applicable, what is the current shoreline master program designation of the site?

Rural

- h. Has any part of the site been classified as an "environmentally sensitive" area? If so, specify.

This location is a Riparian Habitat Conservation Area in Clark County.

- i. Approximately how many people would reside or work in the completed project?

None.

- j. Approximately how many people would the completed project displace?



None.

k. Proposed measures to avoid or reduce displacement impacts, if any:

None.

Proposed measures to ensure the proposal is compatible with existing and projected land uses and plans, if any:

This project will comply with all state, county, and federal permit requirements to ensure that the proposal is compatible with existing projected land uses, and best management practices.

**9. Housing**

a. Approximately how many units would be provided, if any? Indicate whether high, middle, or low-income housing.

None.

b. Approximately how many units, if any, would be eliminated? Indicate whether high, middle, or low-income housing.

None.

c. Proposed measures to reduce or control housing impacts, if any:

None.

**10. Aesthetics**

a. What is the tallest height of any proposed structure(s), not including antennas; what is the principal exterior building material(s) proposed?

The informational kiosk is approximately 8 feet tall.

b. What views in the immediate vicinity would be altered or obstructed?

None.

c. Proposed measures to reduce or control aesthetic impacts, if any:

None.

**11. Light and glare**

a. What type of light or glare will the proposal produce? What time of day would it mainly occur?

This project might create minimal glare during construction activities, but the finished project will not produce any glare or create light.

b. Could light or glare from the finished project be a safety hazard or interfere with views?

No.

c. What existing off-site sources of light or glare may affect your proposal?

None.

d. Proposed measures to reduce or control light and glare impacts, if any:

None.

**12. Recreation**

a. What designated and informal recreational opportunities are in the immediate vicinity?

The project location is located in a light residential rural area with agricultural fields to the north, south and east. The Columbia River is at the project location, providing a boat ramp at the proposed project location with recreational opportunities for fishing, wildlife viewing, and boating. At the Shillipoo Wildlife Area, there are opportunities for waterfowl hunting, hiking, and an off-leash dog area. Caterpillar Island is adjacent to the project area. A marina is downstream from the project location.

b. Would the proposed project displace any existing recreational uses? If so, describe.

No, the proposed project will provide upgrades to this site including ADA access that will enhance recreational activities.

c. Proposed measures to reduce or control impacts on recreation, including recreation opportunities to be provided by the project or applicant, if any:

None.

**13. Historic and cultural preservation**

a. Are there any places or objects listed on, or proposed for, national, state, or local preservation registers known to be on or next to the site? If so, generally describe.

Clark County identifies this site as within an Archeological site buffer with a high predictive factor of “high” and being within 80% to 100% of the parcel .

b. Generally describe any landmarks or evidence of historic, archaeological, scientific, or cultural importance known to be on or next to the site.

The archeological report for this site, ( 5/16/2012) indicates that “improvements such as the boat ramp and parking lots were likely constructed in the latter half of the 20th century. The 1959 aerial shows docks in the slough to the south of the project area, in the present-day location of Kadow’s Marina. The establishment of Kadow’s Marina and Langsdorf Landing point to dredging of the slough to enhance and maintain it as a navigable waterway.” This location has been a boat ramp since the latter half of the 20<sup>th</sup> century, however an easement was granted to WDFW in 1997 for the boat launch/ pump location at this location.

c. Proposed measures to reduce or control impacts, if any:

If Archeological artifacts are discovered construction will stop and the proper authorities will be notified.

**14. Transportation**

a. Identify public streets and highways serving the site, and describe proposed access to the existing street system. Show on site plans, if any.

Interstate 5, (Exit 1D) and WA-501 serve this site. The roadway that runs through the project location is NW Lower Kalama Road.

b. Is site currently served by public transit? If not, what is the approximate distance to the nearest transit stop?

The nearest public transit site is unknown.

c. How many parking spaces would the completed project have? How many would the project eliminate?

Thirty-eight parking spaces will be created as a result of this project. No parking spaces will be eliminated.

d. Will the proposal require any new roads or streets, or improvements to existing roads or streets, not including driveways? If so, generally describe (indicate whether public or private).

No new roads will be created as a result of this project.

e. Will the project use (or occur in the immediate vicinity of) water, rail, or air transportation? If so, generally describe.

No.

f. How many vehicular trips per day would be generated by the completed project? If known, indicate when peak volumes would occur.

This project will not generate additional vehicular trips.

g. Proposed measures to reduce or control transportation impacts, if any:

None.

#### 15. Public services

a. Would the project result in an increased need for public services (for example: fire protection, police protection, health care, schools, other)? If so, generally describe.

No.

b. Proposed measures to reduce or control direct impacts on public services, if any.

None.

#### 16. Utilities

a. Circle utilities currently available at the site: electricity, natural gas, water, refuse service, telephone, sanitary sewer, septic system, other.

None.

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.

None.

#### 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: *Cynthia Knudsen*

Date Submitted: *9/14/2012*

D. SUPPLEMENTAL SHEET FOR NONPROJECT ACTIONS

(do not use this sheet for project actions)

Because these questions are very general, it may be helpful to read them in conjunction with the list of the elements of the environment.

When answering these questions, be aware of the extent the proposal, or the types of activities likely to result from the proposal, would affect the item at a greater intensity or at a faster rate than if the proposal were not implemented. Respond briefly and in general terms.

1. How would the proposal be likely to increase discharge to water; emissions to air; production, storage, or release of toxic or hazardous substances; or production of noise?

Proposed measures to avoid or reduce such increases are:

2. How would the proposal be likely to affect plants, animals, fish, or marine life?

Proposed measures to protect or conserve plants, animals, fish, or marine life are:

3. How would the proposal be likely to deplete energy or natural resources?

Proposed measures to protect or conserve energy and natural resources are:

4. How would the proposal be likely to use or affect environmentally sensitive areas or areas designated (or eligible or under study) for governmental protection; such as parks, wilderness, wild and scenic rivers, threatened or endangered species habitat, historic or cultural sites, wetlands, floodplains, or prime farmlands?

Proposed measures to protect such resources or to avoid or reduce impacts are:

5. How would the proposal be likely to affect land and shoreline use, including whether it would allow or encourage land or shoreline uses incompatible with existing plans?

Proposed measures to avoid or reduce shoreline and land use impacts are:

6. How would the proposal be likely to increase demands on transportation or public services and utilities?

Proposed measures to reduce or respond to such demand(s) are:

7. Identify, if possible, whether the proposal may conflict with local, state, or federal laws or requirements for the protection of the environment.

