



**THURSTON COUNTY  
COMMUNITY PLANNING AND  
ECONOMIC DEVELOPMENT DEPARTMENT  
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 - **USE BLACK INK ONLY**

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. Please **do not** write in the area that is specified for agency use only.

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.

A site plan must accompany the Environmental Checklist. It should be clearly legible, scaled accurately and include information regarding boundary lines of subject and adjacent properties; roads, existing and proposed; existing buildings; wells and drain fields, if any; geographical features (such as steep slopes, low areas, seasonal or year-round drainages and shorelines) and details of the project. Please submit one copy of the site plan 8" x 11" or 8" x 14" in size.

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 a significant adverse impact.

Use of Checklist for Non-project Proposals

Non-project proposals are those which are not tied to a specific site, such as adoption of plans, policies, or ordinances. Complete this checklist for non-project proposals, even though questions may be answered "does not apply." In addition, complete the Supplemental Sheet for Non-project Actions (Part D).

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

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Fees: Thurston County Development Services - Minor Administrative Permits  
Thurston County Development Services - Major Hearing Examiner Permits

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**STAFF ONLY**

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Environmental Checklist Submittal Requirements

- Check all Front Page Entries
  - Check Signature and Date for Completion
  - Include any environmental reports required. (Wetland report, etc.)
  - Fees, Paid
  - Site Plan:           Submit one copy of site plan 8" x 11" or 8" x 14".  
                          Plan must be clearly legible and contain pertinent information.
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THURSTON COUNTY  
COMMUNITY PLANNING AND ECONOMIC DEVELOPMENT DEPARTMENT  
SEPA ENVIRONMENTAL CHECKLIST

**"USE BLACK INK ONLY"**

1. Applicant: Thurston County  
Address: 2000 Lakeridge Drive SW  
Olympia, WA 98502-6045  
Phone: 360-786-5490
2. Point of Contact: Christina Chaput, Planning Dept.  
Address: Same As Above  
Phone: 360-786-5486
3. Property Address or location: **Thurston County**
4. 1/4 S/T/R: Varies
5. Tax Parcel #: Varies
6. Total Acres: Varies
7. Permit Type: Non-Project Habitat Conservation Plan
8. Zoning: Varies
9. Shoreline Environment: Varies
10. Water Body: Varies
11. Brief Description of the Proposal and Project Name:  
Habitat Conservation Plan for federal ESA listed species. This is a non-project action. See at the following link: <https://www.thurstoncountywa.gov/planning/Pages/hcp-docs-maps.aspx>
12. Did you attend a pre-submission conference for this project? Yes  No  If yes, when? \_\_\_\_\_
13. Estimated Project Completion Date: Implementation January 2022, through Incidental take Permit expiration 2052
14. List of all Permits, Licenses or Government Approvals Required for the Proposal (federal, state and local--including rezones): Federal Incidental Take Permit and Habitat Conservation Plan
15. Do you have any plans for future additions, expansion or further activity related to or connected with this proposal? If yes, explain: HCP is a 30-year plan that may be amended to modify aspects including but not limited to covered species, timeframe, covered activities or conservation measures.
16. Do you know of any plans by others which may affect the property covered by your proposal? No, If yes, explain:
17. Proposed timing or schedule (including phasing, if applicable): Approval of Habitat Conservation Plan approx. December 2021
18. List any environmental information you know about that has been prepared, or will be prepared, directly related to this proposal. An EIS is being developed to meet the requirements of the National Environmental Policy Act. Required environmental review and permitting for individual projects authorized under the HCP will be attained through project implementation.

\*\*\*\*OFFICIAL USE ONLY\*\*\*\*  
Folder Sequence #: 2020 112284 XA  
Project #: 220104906  
Related Cases: N/A  
Date received: 10/09/2020 By: \_\_\_\_\_  
\*\*\*\*OFFICIAL USE ONLY\*\*\*\*



## ENVIRONMENTAL ELEMENTS

Evaluation for  
Agency Use Only

### To be Completed by Applicant

#### 1. Earth

- a. **General description of the site (circle one): Flat, rolling, hilly, steep slopes, mountainous, other.** Thurston County HCP Plan areas contains 737 square miles and the permitting jurisdiction contains a total area of 688 square miles. Topography of the County ranges from coastal lowland prairies and the foothills of the Cascades. The lowest area lies at sea level along the shoreline of Puget Sound. Peaks ranging from 1,700 – 3,000 ft in elevation and are found in the northwest and southeast corners of the County.
- b. **What is the steepest slope on the site (approximate percent slope)?** Steepest slopes approach 90 percent and vary in location but are predominant along portions of the County's Puget Sound waterfront.
- 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.** The soil types vary throughout the plan area. Soils on floodplains make up about 5%, glacial uplands comprise approximately 60%, soils on uplands and mountains make up 26%, and sedimentary uplands and glacial drift plains comprise about 9% of the plan area.
- d. **Are there surface indicators or history of unstable soils in the immediate vicinity? If so, describe.** There are unstable bluffs in various locations within the plan area. These areas are predominately located along Carlyon Beach along the Squaxin Passage.
- e. **Describe the purpose, type, and approximate quantities of any filling or grading proposed. Indicate source of fill.** Varies throughout the HCP Plan area and by future proposed project.
- f. **Could erosion occur as a result of clearing, construction, or use? If so, generally describe.** Varies throughout the HCP Plan area and by future proposed project.
- g. **About what percent of the site will be covered with impervious surfaces after project construction (for example, asphalt or buildings)?** Varies throughout the HCP Plan area and by future proposed project.
- h. **Proposed measures to reduce or control erosion, or other impacts to the earth, if any:** Varies throughout the HCP Plan area and project by project.

#### 2. Air

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



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**describe and give approximate quantities if known.** Varies throughout the HCP Plan area and by future proposed project.

- b. **Are there any off-site sources of emissions or odor that may affect your proposal? If so, generally describe.**
- c. **Proposed measures to reduce or control emissions or other impacts to air, if any:** Does not apply to this plan. Emissions or other impacts to air would be determined for individual projects on a case by cases basis.

### 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.** There are various surface water bodies that are within in the HCP plan area. They range in from perineal and seasonal wetlands, lakes, streams and rivers. The three major rivers in the plan area include the Nisqually and Deschutes Rivers which drain to the Puget Sound and the Chehalis River which drains to the Pacific Ocean.
- (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.** Does not apply. Individual projects located within 200 feet of surface waters would be constructed in accordance with all appropriate environmental, permitting and design requirements.
- (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.**  
Does not apply.
- (4) **Will the proposal require surface water withdrawals or diversions? Give general description, purpose, and approximate quantities if known.** Does not apply to this plan. Surface withdrawals or diversion would be reviewed and addresses on a case by case basis during the project review.
- (5) **Does the proposal lie within a 100-year flood plain? If so, note location on the site plan.** Varies throughout the HCP Plan area and by future proposed project.
- (6) **Does the proposal involve any discharges of waste materials to**



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**surface waters? If so, describe the type of waste and anticipated volume of discharge.** Does not apply to this plan. Discharges of waste materials to surface waters would be reviewed and addresses on a case by case basis during the project review.

#### b. Ground

(1) **Will ground water be withdrawn, or will water be discharged to ground water? Give general description, purpose, and approximately quantities if known.** Does not apply to this plan. groundwater withdrawals or discharges would be reviewed and addresses on a case by case basis during the project review.

(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.** Does not apply to this plan. Discharges to groundwater would be reviewed and addresses on a case by case basis during the project review.

#### c. Water Run-off (including stormwater)

(1) **Describe the source of runoff (including stormwater) and method of collection and disposal, if any (include quantities, in known). Where will this water flow? Will this water flow into other waters? If so, describe.** Does not apply to this plan. Runoff quantities and sources would be addresses as part of the environmental analysis associated with specific projects.

(2) **Could waste materials enter ground or surface waters? If so, generally describe.** Does not apply to this plan.

d. **Proposed measures to reduce or control surface, ground, and runoff water impacts, if any:** Does not apply. Drainage patterns affected by development covered by the HCP would be addresses as part of the environmental analysis associated with specific projects.

#### 4. Plants

a. **Check or circle types of vegetation found on the site:** N/A

Deciduous tree: Oregon oak

Evergreen tree: fir, cedar, pine, other

Shrubs

Grass

Pasture

Crop or grain

Wet soil plants: cattail, buttercup, bulrush, skunk cabbage, other



## ENVIRONMENTAL ELEMENTS

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- Water plants: water lily, eelgrass, milfoil, other  
 Other types of vegetation

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

The county includes a mosaic of vegetation types, with areas of coniferous and deciduous forests, prairie, grassland, and a complex network of wetlands. Vegetation removed as a result of project developments covered by the HCP would be addresses as part of the environmental review and analysis associated with specific projects.

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

There are various listed plant species located throughout the HCP Plan area. These include Golden Paintbrush (*Castilleja levisecta*) Kincaid's Lupine (*Lupinus sulphureus ssp. kincaidii*), Marsh Sandwort (*Arenaria paludicola*), Nelson's Checker-mallow (*Sidalcea nelsoniana*), Water Howellia (*Howellia aquatilis*)

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

Does not apply. Project covered by the HCP would address as part of the environmental analysis associated with specific projects.

5. **Animals**

a. **List any birds and animals which have been observed on or near the site or are known to be on or near the site. Examples include:**

Birds: hawk, heron, eagle, songbirds, other:

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.** There are various species are known to occur in the plan area including Olympia pocket gopher (*Thomomus mazama glacialis*), Yelm pocket gopher (*T.m. yelmensis*), Tenino pocket gopher (*T.m. tumuli*), Oregon spotted frog (*Rana pretiosa*), Taylor's checkerspot butterfly (*Euphydryas editha taylori*), Streaked Horned Lark (*Eremophila alpestris strigata*), Bull Trout (*Salvelinus confluentus*).

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

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

The HCP proposes a Conservation Program that includes, the implementation of BMP's, preservation and enhancement of land (fee title and conservation easements), as well as restoration of already conserved lands. The Conservation Program is proposed to build on and work in concert with existing state, local and federal conservation actions in the HCP Plan area.

6. **Energy and Natural Resources**



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- 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.** Doesn't apply. Project covered under the HCP may use a variety of energy types for heating, manufacturing, and other uses.
- b. **Would your project affect the potential use of solar energy by adjacent properties? If so, generally describe.** Doesn't apply. Projects covered under the HCP will be reviewed on a case by case basis.
- 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;** Doesn't apply. Impacts on energy resources from projects covered by the HCP would be addresses as part of the permit review associated with specific projects.

### 7. Environmental Health

- a. **Are there are any environmental health hazards, including exposure to toxic chemicals, risk of fire and explosion, spill, or hazardous waste, which could occur as a result of this proposal? If so, describe.**  
Doesn't apply. Thurston HCP will not create environmental health hazards.
  - (1) **Describe any known contamination at the site from present or past uses.** Does not apply to the Thurston HCP; contaminated sites would be addresses on a case by case basis of individual projects.
  - (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.**  
There are no known hazardous conditions that would affect the Thurston HCP.
  - (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.**  
Does not apply to the Thurston HCP. Hazards would be addresses on a case by case basis by project.
  - (4) **Describe special emergency services that might be required.**  
Doesn't apply.
  - (5) **Proposed measures to reduce or control environmental health hazards, if any;** Doesn't apply. No environmental health hazards will be created as a result of the Thurston HCP.
- b. Noise
  - (1) **What types of noise exist in the area which may affect your**





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**project (for example: traffic, equipment, operation, other)?**  
Does not apply

- (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.** None as a result of the Thurston HCP. Noise levels may be associated with construction of any future project covered by the HCP. Noise impacts by developments covered by the HCP will be addresses as part of the environmental analysis associated with specific projects.
- (3) **Proposed measures to reduce or control noise impacts, if any:**  
Doesn't apply, the Thurston HCP will not produce noise impacts.

8. Land and Shoreline Use

- 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.**

Land uses within the Plan Area of the HCP consist of residential, commercial, agricultural, forestry, and public use properties as described in the County's Comprehensive Plan Chapter 2 Land Use.

- b. **Has the project site been used as working farmlands or working forest lands? If 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 nonfarm or non-forest use?**

Within the Plan Area of the Thurston HCP there is land used as farm or forest lands in the past. The Thurston HCP does not convert farm or forest land. Projects covered by the Thurston HCP or created as mitigation as part of the Conservation Program will be evaluated on a case by case basis as part of the environmental analysis associated with the specific project.

- (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:** Doesn't apply
- c. **Describe any structures on the site.**  
Structures within the HCP Plan Area include residential structures with associated buildings, business structures, existing infrastructure and utilities, as well as government buildings.
- d. **Will any structures be demolished? If so, what?**  
Not as a result of the Thurston HCP. Development/redevelopment covered by the Thurston HCP may require the removal of existing structures to facilitate development.
- e. **What is the current zoning classification of the site?**  
Various zoning within the Thurston HCP Plan Area which includes residential, commercial, farm/agricultural and forestry.





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- f. **What is the current comprehensive plan designation of the site?**  
Urban and rural
  - g. **If applicable, what is the current Shoreline Master Program designation of the site?** Doesn't apply. There are various SMP designations within the Thurston HCP Plan Area including, conservancy, natural, rural and urban.
  - h. **Has any part of the site been classified an "environmentally sensitive" area? If so, specify.** Various areas within the Thurston HCP Plan Area are designated as environmentally sensitive and are described in the County's Critical Area Ordinance.
  - i. **Approximately how many people would reside or work in the completed project?** Doesn't apply
  - j. **Approximately how many people would the completed project displace?**  
Doesn't apply
  - k. **Proposed measures to avoid or reduce displacement impacts, if any?**  
Doesn't apply
  - l. **Proposed measures to ensure the proposal is compatible with existing and projected land uses and plans, if any:** Doesn't apply. The Thurston HCP will not affect land uses as described in the Thurston County Comprehensive Plan.
  - m. **Proposed measures to reduce or control impacts to agricultural and forest lands of long-term commercial significance, if any:**  
Part of the Thurston HCP Conservation Land system contemplates protection, via conservation easement, working land with prairie habitat. Preventing the conversion of productive working lands to non-agricultural uses.
9. **Housing**
- a. **Approximately how many units would be provided, if any? Indicate whether high-middle-, or low-income housing.**  
Doesn't apply
  - b. **Approximately how many units, if any, would be eliminated? Indicate whether high-, middle, or low-income housing.**  
Doesn't apply
  - c. **Proposed measures to reduce or control housing impacts, if any:**  
Doesn't apply
10. **Aesthetics**



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- a. **What is the tallest height of any proposed structure(s), not including antennas; what is the principal exterior building material(s) proposed?**  
Doesn't apply.
- b. **What views in the immediate vicinity would be altered or obstructed?**  
Doesn't apply.
- c. **Proposed measures to reduce or control aesthetic impacts, if any:**  
Doesn't apply.

### 11. Light and Glare

- a. **What type of light or glare will the proposal produce? What time of day would it mainly occur?** Doesn't apply
- b. **Could light or glare from the finished project be a safety hazard or interfere with views?** Doesn't apply
- c. **What existing off-site sources of light or glare may affect your proposal?**  
Doesn't apply
- d. **Proposed measures to reduce or control light and glare impacts, if any:**  
Doesn't apply

### 12. Recreation

- a. **What designated and informal recreational opportunities are in the immediate vicinity?** Various recreational opportunities exist in Thurston HCP Plan Area.
- b. **Would the proposed project displace any existing recreational uses? If so, describe.** Doesn't apply
- c. **Proposed measures to reduce or control impacts on recreation, including recreation opportunities to be provided by the project or applicant, if any:** The Thurston HCP will preserve properties in perpetuity for the conservation of several threatened species. These preserved properties will have varying degrees of public access for passive recreational purposes.

### 13. Historic and Cultural Preservation

- 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? If so, specifically describe.** There are various historic sites within the Thurston HCP Plan Area. Impacts on energy resources from projects covered by the HCP would be addresses as part of the permit review associated with specific projects.
- 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**



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studies conducted at the site to identify such resources. Unknown

- 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 archeology and historic preservation, archaeological surveys, historic maps, GIS data, etc.** The Thurston HCP will not have no effect on historic or cultural resources within the Plan Area. Assessment of potential impacts to cultural or historic resources would take place on a project by project basis.
- 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.** Doesn't apply

### 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.** There are various public streets within the Thurston HCP Plan Area. The major roadways include:
  - Interstate 5                      SR 12
  - Hwy 99                              Hwy 507
  - Hwy 510                            Hwy 121
  - US 101Various other county arterial/collector/distributor roadways
- b. **Is site currently served by public transit? If not, what is the approximate distance to the nearest transit stop?** Yes, county is served by Intercity Transit.
- c. **How many parking spaces would the completed project have? How many would the project eliminate?** Doesn't apply
- 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).** The Thurston HCP covers activity including road improvements, maintenance and new installation. These roadways may be public or private.
- e. **Will the project use (or occur in the immediate vicinity of) water, rail, or air transportation? If so, generally describe.** There are known active railways within the Thurston HCP Plan Area.
- f. **How many vehicular trips per day would be generated by the completed project? If known, indicate when peak volumes would occur. Doesn't apply.** Traffic impacts will be addresses by individual project development proposals.
- g. **Will the proposal interfere with, affect or be affected by the movement of agricultural and forest products on roads in the area? If so, general describe.** Doesn't apply. Effects on movement of agricultural and forest



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products on roads will be addresses by individual project development proposals and assessed on a case by case basis.

- h. **Proposed measures to reduce or control transportation impacts, if any:**  
Doesn't apply.

### 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.** The Thurston HCP would not require additional public services.
- b. **Proposed measures to reduce or control direct impacts on public services, if any.** Does not apply. The Thurston HCP would not require additional public services.

### 16. Utilities

- a. **Circle utilities currently available at the site:** electricity, natural gas, water, refuse service, telephone, sanitary sewer, septic system, other: Communications
- 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.** Doesn't apply

### 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.

Date Submitted: October 5, 2020

Signature: *Christina Chaput*



THURSTON COUNTY  
SUPPLEMENTAL SHEET FOR NONPROJECT ACTIONS  
(do not use this sheet for project actions)

Non-project proposals are those which are not tied to a specific site, such as adoption of plans, policies, or ordinances.

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.

To be completed by Applicant

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- 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?** The Thurston HCP will not result in increased environmental impacts. Future projects covered by the HCP which may be likely to increase discharge to water, emissions to air, production, storage assessed at the time of project application and reviewed for adverse impacts. In general, major construction projects may produce periods of limited-duration noise.

Construction of new commercial buildings is encouraged to include considerations for innovative use of alternative hours, telecommuting, distributed service locations, and work at home opportunities. Projects are encouraged to have long-term energy efficiency through design and construction. All construction shall meet all applicable local, state and federal regulations.

Maintenance and improvements to trails, and other right-of-way maintenance should provide incentives to residence for alternative transportation options that may reduce car trips and associated air emissions. Park and open space maintenance should incentive people to recreate locally there by reducing overall emissions.

Road construction projects have associated short-term noise impacts. Projects will improve traffic circulation thereby reducing localized emissions from autos, improve fish passage, and improve protection of groundwater from contamination. All projects will meet applicable local, state and federal regulations,

Water and Sanitary Sewer Project, upgrades, improvements and maintenance and repairs will reduce the risk of water contamination and degradation of water quality. Projects are designed to improve and assure adequate water and sewer service to current and an expanding community.

Waste and Recovery Center (WARC) projects are designed to control the release of toxic emissions from the site. Addition maintenance and repair projects will maintain safety, customer service, and environmental controls at the waste recovery center and drop box areas.

Maintenance and improvement projects for stormwater facilities are proposed to control stormwater discharges that may contaminate water. New stormwater



THURSTON COUNTY  
SUPPLEMENTAL SHEET FOR NONPROJECT ACTIONS  
(do not use this sheet for project actions)

control projects are designed to reduce water quality risks to groundwater from infiltration of untreated stormwater. Installation of stormwater conveyance systems should reduce the possibility of flooding and associated water contamination.

Installation of in-stream structures are intended to improve fish passage and improve down-gradient shellfish habitat including provisions such as the placement of large woody debris, riparian cover, bank stabilization projects. Habitat surveys will also be conducted to identify and quantify stream health and down-gradient shellfish areas.

**Proposed measures to avoid or reduce such increases are:**

Covered activities listed on the HCP must undergo environmental analysis at the individual project permit level. Covering the activities does not guarantee that they will be permitted. All projects covered shall meet all applicable local, state and federal regulations. Additional measures to be determined at the individual project level.

2. **How would the proposal be likely to affect plants, animals, fish, or marine life?** The Thurston HCP will cover projects which may affect plants, animals, fish, or marine life through permanent or temporary conversion of habitat to developments such as residential or commercial structures and their appurtenances, roadway construction, right-of-way maintenance, stormwater, water or sewer infrastructures, and parks/trail maintenance; well as fragmentation of habitat. Additionally, restoration and enhancement projects will improve, protect, and restore habitat for plants, animals, fish, and marine life. Through removal of nuisance species, planting of native species and land protection from development and fragmentation.

**Proposed measures to protect or conserve plants, animals, fish, or marine life are:** Each individual project covered by the HCP will undergo review with appropriate state and federal agencies based on potential impacts. Projects will be required to follow applicable Thurston County Codes and other federal, state, and local regulations.

Specific measure will be determined at the individual project level based on the Critical Areas Ordinance, Shoreline Master Program, and other local, state and federal habitat protection laws. In addition, the proposed habitat conservation plan will require mitigation measures to be implemented including requiring applicable BMPs to be implemented the maximum extent practicable to minimize impacts particularly through siting and configuration.

Thurston HCP will implement a Conservation Land System which is a program to acquire additional open space and critical habitat areas to provide more habitat protection for important, threatened and endangered species. Thurston County also actively conserves and protects important resource and habitat areas via the Conservation Futures Program.



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(do not use this sheet for project actions)

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

The proposed plan is to allow the current planned growth to occur without the need to obtain separate federal permits on a project by project basis. Each individual project will undergo review with appropriate state and federal agencies based on potential impacts. Projects will be required to follow applicable Thurston County Codes and other federal, state, and local regulations.

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

The HCP would require permanent protections of certain lands that may contain natural resources and therefore limit extraction or use of such resource.

Gravel mining is not a covered activity of the HCP and is subject to reclamation regulations, as well as other state and federal permits.

All development proposals are required to comply with the Thurston County Critical Areas Ordinance and Shoreline Master Program as well as state and federal regulations that are intended to protect natural resource areas. Review will also take place with the State Environmental Policy Act at the project proposal level.

**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, flood plains, or prime farmlands?** The Thurston HCP will allow for one locally issued permit that meets federal environmental regulations to permit “incidental take” of threatened and endangered HCP Covered Species and their habitat due to a variety of future activities over the next 30 years. These activities include construction of structures, install of public services, and commercial/residential developments, and enhancement or restoration activities.

Thurston HCP does not include provisions to survey for occupancy prior to conducting covered activities due to the significant time and cost of occupancy surveys. Therefore, the Thurston HCP includes detailed assumptions about habitat criteria and location for each covered species. Measures to minimize impacts on covered species are described for each program of activities to be covered by the HCP and will be systematically implemented and monitored.

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

Impacts are offset by permanent mitigation that is legally protected through conservation easements or other similar instruments and permanently funded through endowments or other perpetual funding instruments. Minimization and mitigation measures are subject to adaptive management to ensure their effectiveness and to ensure achievement of the Thurston HCP’s biological goals and objectives.





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Additional mitigation measures to be determined at the individual project level in compliance with local critical areas regulations, shoreline rules, and state and federal laws protecting sensitive areas.

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?** The proposed HCP is written to complement county land use and shoreline use regulations. It does not encourage development; however, it streamlines the permitting processes for developments which require federal threatened and endangered species permits and local development permits.

The Thurston HCP includes an analysis of impacts to ESA listed covered species and proposes limits on impacts resulting from covered activities. For impacts to the each terrestrial species, the Thurston HCP establishes metrics to define impacts and conservation outcomes using a “functional-acre” index value, which factors together the currently available distribution information, habitat condition, and landscape position to quantify the relative impact on a covered species of habitat loss or protection at a specific location. For the Oregon spotted frog, the Thurston HCP uses acres of suitable habitat within the likely range of the species as a surrogate for impacts to individuals, and no conversion to functional acres is applied for this species.

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

Proposed projects which overlap with the HCP Covered Species habitat that can’t avoid impacts must meet specific minimization measures as described in the HCP and pay a mitigation fee or if approved, provide onsite mitigation.

To mitigate unavoidable loss from impacts Thurston County will protect and manage habitat that is equal to the functional area impacted. The HCP will facilitate lands to be protected adjacent to or within proximity to currently protected lands adding to the resiliency of the areas. Provide for restoration opportunities and perpetual stewardship of area designated for government protection.

All proposed land or shoreland uses must meet the requirements of the County regulations including zoning and SMP as well as other Federal and State requirements. Avoidance and minimization measures will be determined during project level environmental analysis.

6. **How would the proposal be likely to increase demands on transportation or public services and utilities?** No increase in demands is anticipated. The proposed plan is to allow the current planned growth to occur without the need to obtain separate federal permits on a project by project basis.

**Proposed measures to reduce or respond to such demand(s) are:** The proposed habitat conservation plan (HCP) and associated incidental Take permit are designed to provide mitigation path for transportation, public services or utilities



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within the current forecasted population growth in the next 30 years. Additional demand that would require mitigation above and beyond the proposed plan would not be allowed under the current proposed HCP.

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

This proposal has no clearly identifiable conflicts with local, state or federal laws to protect the environment. The HCP has been prepared to be in compliance with Thurston County regulations, State regulations, as well as Endangered Species Act section 10(a)1(B) regulations.

As previously stated, all any future project-specific application is subject to review under and must comply with regulations in effect at the time of submittal, such as the Thurston County Code, including the Critical Areas Ordinance and State Environmental Policy Act; associated policies; applicable Washington Administrative Code and Federal Regulations.