



**THURSTON COUNTY
DEVELOPMENT SERVICES
ENVIRONMENTAL CHECKLIST**

"USE BLACK INK ONLY"

1. Applicant: Thurston County Geoduck Growers
 Address: 120 State Ave. NE
Olympia, WA 98501
 Phone: (360) 754-2744
 Cell: (360) 870-9611
 E-Mail Address: robin.downey@pcsga.org

**** OFFICIAL USE ONLY ****	
Folder Sequence #	<u>0611855</u>
Project #	<u>2006103439</u>
Related Cases:	_____
Date Received:	<u>8/10/06</u> By: <u>✓</u>
**** OFFICIAL USE ONLY ****	

2. Point of Contact: Diane Cooper
 Address: SE130 Lynch Rd.
Shelton, WA 98584
 Phone: (360) 426 6178
 Cell: (360) 490-4800
 E-Mail Address: DianeC@taylorshellfish.com

3. Owner: _____
 Address: _____
 Phone: _____
 Cell: _____
 E-Mail Address: _____

4. Property Address or location: Varied locations located throughout Thurston County. Individual project locations will be submitted.
5. Quarter/Quarter Section/Township/Range: Thurston County
6. Tax Parcel #: To be submitted
7. Total Acres: To be submitted
8. Permit Type: Programmatic Shoreline
9. Zoning: Varied, primarily rural
10. Shoreline Environment: Varied, primarily conservancy
11. Water Body: Totten, Eld, Henderson Inlets, South Puget Sound
12. Brief Description of the Proposal and Project Name: Programmatic review of geoduck farming in Thurston County on tidelands not designated as "Bosh/Callow" tidelands and those areas not historically used for shellfish aquaculture.

THURSTON COUNTY
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AUG 10 2006
DEVELOPMENT SERVICES

Thurston County
Development Services
Environmental Checklist

13. Did you attend a presubmission conference for this project? Yes No
If yes, when? 6/30/06, 7/27/06
14. Estimated Project Completion Date: Programmatic
15. List of all Permits, Licenses or Government Approvals Required for the Proposal (federal, state and local--including rezones):
DFW Aquatic Farm Registration
DOH Certification
16. Do you have any plans for future additions, expansion or further activity related to or connected with this proposal? If yes, explain:
This is a programmatic review for ongoing geoduck farming on a County-wide basis.
17. Do you know of any plans by others which may affect the property covered by your proposal? If yes, explain:
No.
18. Proposed timing or schedule (including phasing, if applicable):
On-going.
19. List any environmental information you know about that has been prepared, or will be prepared, directly related to this proposal.
Programmatic Biological Evaluation of Potential Impacts of Intertidal Geoduck Culture Facilities to Endangered Species and Essential Fish Habitat, dated October 27, 2004.
Washington State Geoduck Growers Environmental Codes of Practice.



THURSTON COUNTY
DEVELOPMENT SERVICES
ENVIRONMENTAL ELEMENTS

To be Completed by Applicant

Evaluation for
Agency Use Only

1. Earth

a. General description of the site (check one):

Flat

Rolling

Hilly

Steep Slopes

Mountainous

Other : Gently sloping tidelands

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

<10%

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.

Moderate sandy tidelands

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

NA

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

None.

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

No.

To be Completed by Applicant

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

None.

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

NA.

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 describe and give approximate quantities if known.

Temporary exhaust from motorized equipment.

- 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:

Approved exhaust systems.

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.

Puget Sound waters in Thurston County.

To be Completed by Applicant

Evaluation for
Agency Use Only

- (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. Geoduck farming, See attached
"Geoduck Farming Fact Sheet and Overview."*

- (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.

None.

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

No.

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

NA.

- (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.

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.

NA.

To be Completed by Applicant

- (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.

NA.

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.

NA.

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

NA.

- (3) Proposed measures to reduce or control surface, ground, and runoff water impacts, if any:

NA.

4. Plants

- a. Check the types of vegetation found on the site:

Deciduous tree: alder maple aspen other _____

Evergreen tree: fir cedar pine other _____

Shrubs

Grass

Pasture

Crop or grain

Wet soil plants: cattail buttercup bulrush skunk cabbage
other _____

Water plants: water lily eelgrass milfoil other

Other types of vegetation Macro algae

To be Completed by Applicant

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

Macro algae may increase in occurrence.

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

None.

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

NA.

5. Animals

- a. Check 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: Marine birds	
Mammals	deer, bear, elk,	beaver,
	other: others, raccons	
Fish:	bass, salmon, trout,	herring, shellfish,
	other: Marine fish	

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

Eagles, salmon

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

Certain salmonids may use various areas of Thurston County for in/out migration.

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

Shellfish beds; including geoduck, have been shown to provide valuable habitat for a variety of marine species. See conservation measures in Biological Evaluation.

To be Completed by Applicant

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.

NA,

- 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

NA,

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. (minor spills may occur from equipment usage.)

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

NA

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

Normal precautions are used.

To be Completed by Applicant

b. Noise

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

None,

- (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.

Temporary noise may occur during planting and harvesting activities.

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

Mufflers are used on equipment. Crews are trained to help reduce noise.

8. Land and Shoreline Use

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

Most areas are rural with normal rural characteristics and uses.

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

No,

- c. Describe any structures on the site.

None.

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

No,

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

Varied. Primarily rural.

To be Completed by Applicant

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

Varied, Primarily rural.

- g. If applicable, what is the current Shoreline Master Program designation of the site?

Varied, Primarily conservancy.

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

There may be areas classified as such.

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

Varied, by company.

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

None.

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

NA.

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

Notification to Thurston County.

9. Housing

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

NA.

To be Completed by Applicant

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

NA.

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

NA.

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?

PVC tubes are used which extend app. 3" - 4" above the substrate.

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

Views of the tidelands may be altered.

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

PVC tubes are only temporary. Most are gray in color to blend in to surrounding tideflats. Tubes are only visible < 10% of crop cycle.

11. Light and Glare

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

None.

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

NA.

To be Completed by Applicant

- 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:

NA.

12. Recreation

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

Varied. Boating, fishing, skiing, wildlife viewing, beach walking.

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

No. most activities occur during when tidal waters allow. These are private tidelands.

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

Some areas may have enhanced fishing opportunity.

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.

No.

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

None.

To be Completed by Applicant

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

NA.

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.

These are tidelands primarily accessed by boat.

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

NA.

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

NA.

- 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).

NA.

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

Access to farms by boat will occur.

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

Boat activity may increase, depending on company, other access routes, and size of farm.

To be Completed by Applicant

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

These are open waters of Puget Sound.

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.

Only in the event of a worker accident.

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

Crews are trained in safety requirements.

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.

17. Signature

- a. 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 8/10/06

Print Name

Diane Cooper

Signature:

Diane Cooper



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

Evaluation for
Agency Use Only

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?

Only temporary increases. See WA State Geoduck Environmental Codes of Practice.

Proposed measures to avoid or reduce such increases are:

See WA State Geoduck Growers Environmental Codes of Practice.

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

See Attachments.

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

See Attachments.

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

See Attachments.

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

See Attachments.

To be Completed by Applicant

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?

See Attachments.

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

See Attachments

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?

See Attachments.

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

See Attachments.

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

No permanent increase.

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

NA.

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

No conflict.