



06-0775

SAN JUAN COUNTY

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DEPARTMENT OF ECOLOGY
ENVIRONMENTAL REVIEW

COMMUNITY DEVELOPMENT AND PLANNING

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permits@co.san-juan.wa.us www.co.san-juan.wa.us/permitcenter

DETERMINATION OF NONSIGNIFICANCE

EAST ORCAS WATER SUPPLY REPORT AND RECOMMENDATIONS

RECEIVED

Proposal: East Orcas Water Supply Report and Recommendations

FEB - 3 2006

Applicant: San Juan County

DEPT. OF ECOLOGY

San Juan County, the lead agency for this proposal, has determined that this proposal will not have a probable significant adverse impact on the environment. An environmental impact statement (EIS) will not be required. This determination was made after review of a completed environmental checklist and other information on file at San Juan County Community Development and Planning.

This determination is issued pursuant to WAC 197-11-340(2). San Juan County will not act on this proposal for 14 days from the date of issuance. Comments must be submitted in writing to Community Development and Planning no later than February 15, 2006.

Appeals must be submitted to the Community Development and Planning Department within 21 days following the date of this written decision, but no later than February 22, 2006 at 4:30 p.m. Appeals must be in writing, be accompanied by an appeal fee, and contain the information outlined in Section 18.80.140(E5) of the San Juan County Unified Development Code. For more information contact Vicki Heater, Environmental Health Specialist at Vicki Heater, Environmental Health Specialist, at (360) 370-7521. Written comments can be sent to Elizabeth Anderson, Senior Planner, at the address below.

Responsible Official:

Ron Henrickson, Director
Community Development and Planning
135 Rhone Street
PO Box 947
Friday Harbor, WA 98250
(360) 378-2354

Signature:

Date: February 1, 2006

Postmark Date
2/1/06

10/10/10

10/10/10

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 proposal, if applicable: EAST ORCAS WATER SUPPLY REPORT AND RECOMENDATIONS

2. Name of applicant: SAN JUAN COUNTY HEALTH AND COMMUNITY SERVICES DEPT.

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

VICKI HEATER, EHS
SAN JUAN COUNTY HEALTH AND COMMUNITY SERVICES
P.O. BOX 607
FRIDAY HARBOR, WA 98250

TO BE COMPLETED BY THE APPLICANT

EVALUATION FOR
AGENCY USE ONLY

4. Date checklist prepared: JANUARY 23, 2006
5. Agency requesting checklist: SAN JUAN COUNTY
6. Proposed timing or schedule (including phasing, if applicable): PUBLIC HEARING FOR ADOPTION BY RESOLUTION FEBRUARY 13, 2006. EARLY IMPLEMENTATION, CURRENTLY UNDERWAY, INCLUDES AN ABBREVIATED COORDINATED WATER SYSTEM PLAN AND AQUIFER STUDY FOR EASTSOUND AND ADDITIONAL INSTREAM FLOW ASSESSMENT FOR CASCADE CREEK. FUTURE IMPLEMENTATION WILL INCLUDE A COMPREHENSIVE ASSESSMENT OF THE CASCADE LAKE/MT. LAKE WATERSHEDS AND COOPERATIVE MANAGEMENT AGREEMENT.
7. Do you have any plans for future additions, expansion, or further activity related to or connected with this proposal? If yes, explain.

THE REPORT CONTAINS RECOMMENDATIONS FOR ACTIONS. SOME OF THESE ARE CURRENTLY BEING IMPLEMENTED, AND SOME WILL BE ADDRESSED IN THE FUTURE.

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

MULTI-PURPOSE SURFACE WATER STORAGE ASSESSMENT,
WRIA 2. MONTGOMERY WATER GROUP/DTA, APRIL 30, 2004

INSTREAM FLOW RECOMMENDATIONS FOR CASCADE CREEK,
DEPT. OF ECOLOGY MEMO, SEPTEMBER 29, 2005

EASTSOUND AQUIFER MONITORING STUDY AND ASSESSMENT
(TO BE DONE)

COMPREHENSIVE WATERSHED ASSESSMENT FOR THE CASCADE
LAKE AND MOUNTAIN LAKE WATERSHEDS (TO BE DONE)

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.

WATER RIGHT APPLICATIONS WITH THE DEPARTMENT OF
ECOLOGY

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

NONE AT THIS STAGE

11. Give brief, complete description of your proposal, including the proposed uses and the size of the proposal 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 proposal description.)

THIS IS A NON-PROJECT ACTION TO ADOPT BY RESOLUTION RECOMMENDATIONS FOR WATER RESOURCE MANAGEMENT IN THE EAST ORCAS AREA. THE REPORT CONTAINS DIRECTION FOR FUTURE STUDIES AND IDENTIFIES THE NEED FOR COOPERATIVE MANAGEMENT OF THE WATER RESOURCES OF EAST ORCAS.

12. Location of the proposal. Give sufficient information for a person to understand the precise location of your proposed proposal, 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.

THE AREA INCLUDES EASTERN ORCAS ISLAND FROM THE WESTERN EDGE OF EASTSOUND VILLAGE. MAPS ARE INCLUDED IN THE DOCUMENT.

B. Environmental Elements

1. Earth

- a. General description of the site (circle one): Flat, rolling, hilly, steep slopes, mountainous, other.
- b. What is the steepest slope on the site (approximate percent slope)?
VARIES, UP TO AND INCLUDING VERTICAL CLIFFS
- 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.

ALL SOILS OF THE COUNTY. SEE CURRENT VERSION OF THE
USDA/NRCS SOIL SURVEY.

- d. Are there surface indications or history of unstable soils in the immediate vicinity? If so, describe. NOT APPLICABLE
- e. Describe the purpose, type, and approximate quantities of any filling or grading proposed. Indicate source of fill. NOT APPLICABLE
- f. Could erosion occur as a result of clearing, construction, or use? If so, generally describe. NOT APPLICABLE
- g. About what percent of the site will be covered with impervious surfaces after project construction (for example, asphalt or buildings)? NOT APPLICABLE
- h. Proposed measures to reduce or control erosion, or other impacts to the earth, if any: NOT APPLICABLE

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 proposal is completed? If any, generally describe and give approximate quantities if known. NOT APPLICABLE
- b. Are there any off-site sources of emissions or odor that may affect your proposal? If so, generally describe. NOT APPLICABLE
- c. Proposed measures to reduce or control emissions or other impacts to air, if any: NOT APPLICABLE

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. ALL OF THE SURFACE WATERS IN THE EAST ORCAS AREA ARE INCLUDED IN THIS REPORT AND RECOMMENDATIONS, PARTICULARLY CASCADE LAKE, MT. LAKE, PURDUE LAKE, AND CASCADE CREEK.
- 2) Will the proposal require any work over, in, or adjacent to (within 200 feet) the described waters? If yes, please describe and attach available plans.

NO, NOT AT THIS TIME, BUT RECOMMENDED WATERSHED STUDIES WILL INCLUDE INSTALLATION OF ADDITIONAL STREAM GAUGES.

- 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. NOT APPLICABLE

- 4) Will the proposal require surface water withdrawals or diversions? Give general description, purpose, and approximate quantities if known. THE REPORT DOES NOT REQUIRE ANY SURFACE WATER WITHDRAWAL, HOWEVER IT ADDRESSES THE MANAGEMENT OF CURRENT AND FUTURE WITHDRAWALS

- 5) Does the proposal lie within a 100-year floodplain? If so, note location on the site plan. NOT APPLICABLE

- 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. NOT APPLICABLE

- 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. THE REPORT DOES NOT REQUIRE GROUND WATER WITHDRAWAL, HOWEVER IT ADDRESSES THE MANAGEMENT OF CURRENT AND FUTURE WITHDRAWALS

 - 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. NOT APPLICABLE

- 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.

NOT APPLICABLE

- 2) Could waste materials enter ground or surface waters? If so, generally describe. NOT APPLICABLE
- d. Proposed measures to reduce or control surface, ground, and runoff water impacts, if any:

THE REPORT INCLUDES RECOMMENDATIONS TO DEVELOP LIMITED IMPACT DEVELOPMENT STANDARDS FOR THE EASTSOUND AQUIFER AREA. IT ALSO IDENTIFIES THE NEED TO CONTROL FLOODING FROM CASCADE LAKE.

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

shrubs

grass

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? NONE

- c. List threatened or endangered species known to be on or near the site. MANY OF THE COUNTY'S THREATENED AND ENDANGERED SPECIES ARE LOCATED WITHIN THE EAST ORCAS AREA.

- d. Proposed landscaping, use of native plants, or other measures to preserve or enhance vegetation on the site, if any: NOT APPLICABLE

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:

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. SALMONIDS, BIRDS

c. Is the site part of a migration route? If so, explain. THE COUNTY IS PART OF THE PACIFIC COAST FLYWAY

d. Proposed measures to preserve or enhance wildlife, if any: PROVIDE COOPERATIVE MANAGEMENT OF THE WATERSHEDS TO PROTECT HABITAT VALUES

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. NOT APPLICABLE

b. Would your project affect the potential use of solar energy by adjacent properties? If so, generally describe. NOT APPLICABLE

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: NOT APPLICABLE

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. NOT APPLICABLE

1) Describe special emergency services that might be required. NOT APPLICABLE

2) Proposed measures to reduce or control environmental health hazards, if any: NOT APPLICABLE

b. Noise

1) What types of noise exist in the area which may affect your project (for example: traffic, equipment, operation, other)? NOT APPLICABLE

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. NOT APPLICABLE

3) Proposed measures to reduce or control noise impacts, if any: NOT APPLICABLE

8. Land and Shoreline use

- a. What is the current use of the site and adjacent properties? **VARIOUS LAND USE DESIGNATIONS APPLY WITHIN THE AREA**

- b. Has the site been used for agriculture? If so, describe. **YES, SMALL SCALE FARMING AND MARKET GARDENING ARE COMMON IN THE AREA**

- c. Describe any structures on the site. **VARIOUS, INCLUDING SINGLE FAMILY RESIDENCES, FARM BUILDINGS, RESORTS, AND TOWN FACILITIES**

- d. Will any structures be demolished? If so, what? **NOT APPLICABLE**

- e. What is the current zoning classification of the site? **NOT APPLICABLE**

- f. What is the current comprehensive plan designation of the site? **VARIOUS COMPREHENSIVE PLAN DESIGNATIONS ARE INCLUDED IN THE AREA**

- g. If applicable, what is the current shoreline master program designation of the site? **VARIOUS SHORELINE DESIGNATIONS ARE INCLUDED IN THE AREA**

- h. Has any part of the site been classified as an "environmentally sensitive" area? If so, specify. **YES. WETLANDS AND CRITICAL AQUIFER RECHARGE AREAS ARE INCLUDED, AS WELL A SHORELINE.**

- i. Approximately how many people would reside or work in the completed project? **NOT APPLICABLE**

- j. Approximately how many people would the completed project displace? **NOT APPLICABLE**

- k. Proposed measures to avoid or reduce displacement impacts, if any: **NOT APPLICABLE**

- l. Proposed measures to ensure the proposal is compatible with existing and projected land uses and plans, if any: **NOT APPLICABLE**

9. Housing

- a. Approximately how many units would be provided, if any? Indicate whether high, middle, or low-income housing. NOT APPLICABLE
- b. Approximately how many units, if any, would be eliminated? Indicate whether high, middle, or low-income housing. NOT APPLICABLE
- c. Proposed measures to reduce or control housing impacts, if any: NOT APPLICABLE

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? NOT APPLICABLE
- b. What views in the immediate vicinity would be altered or obstructed? NOT APPLICABLE
- c. Proposed measures to reduce or control aesthetic impacts, if any: NOT APPLICABLE

11. Light and glare

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

12. Recreation

- a. What designated and informal recreational opportunities are in the immediate vicinity? THE AREA INCLUDES PUBLIC USE AREAS IN EASTSOUND, MORAN STATE PARK, AND ROSARIO RESORT
- b. Would the proposed project displace any existing recreational uses? If so, describe. A PROPOSAL TO EVALUATE ADDITIONAL WATER

STORAGE IN MOUNTAIN LAKE COULD RESULT IN FLOODING OF PATHS AND THE BOAT LAUNCH RAMP.

- c. Proposed measures to reduce or control impacts on recreation, including recreation opportunities to be provided by the project or applicant, if any: MITIGATION OF THE IMPACTS TO THE MOUNTAIN LAKE SHORELINE WOULD BE ADDRESSED IN ANY AGREEMENT MADE WITH STATE PARKS ABOUT ADDITIONAL STORAGE.

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. THE CAMPING AND TRAILS FACILITIES IN MORAN STATE PARK ARE HISTORIC AS WELL AS ROSARIO'S MORAN MANSION AND BUILDINGS IN EASTSOUND.

- b. Generally describe any landmarks or evidence of historic, archaeological, scientific, or cultural importance known to be on or next to the site. SEE ABOVE. ARCHEOLOGICAL STUDIES HAVE BEEN CONDUCTED FOR SEVERAL SHORELINE LOCATIONS IN THE AREA, INCLUDING CASCADE BAY AND MADRONA POINT. MANY SHORELINE AREAS INCLUDE IMPORTANT MARINE ECOSYSTEMS

- c. Proposed measures to reduce or control impacts, if any: A MITIGATION PLAN WOULD BE INCLUDED IN ANY POTENTIAL AGREEMENT TO INCREASE STORAGE. A COOPERATIVE MANAGEMENT AGREEMENT FOR THE MT. LAKE/CASCADE LAKE WATERSHEDS HAS THE POTENTIAL TO MITIGATE EXISTING IMPACTS TO CASCADE CREEK AND CASCADE LAKE

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. NOT APPLICABLE
- b. Is site currently served by public transit? If not, what is the approximate distance to the nearest transit stop? NOT APPLICABLE
- c. How many parking spaces would the completed project have? How many would the project eliminate? NOT APPLICABLE
- 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). NOT APPLICABLE

TO BE COMPLETED BY THE APPLICANT

EVALUATION FOR
AGENCY USE ONLY

- e. Will the project use (or occur in the immediate vicinity of) water, rail, or air transportation? If so, generally describe. NOT APPLICABLE
- f. How many vehicular trips per day would be generated by the completed project? If known, indicate when peak volumes would occur. NOT APPLICABLE
- g. Proposed measures to reduce or control transportation impacts, if any: NOT APPLICABLE

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. NOT APPLICABLE
- b. Proposed measures to reduce or control direct impacts on public services, if any. NOT APPLICABLE

16. Utilities

- a. Circle utilities currently available at the site: electricity, natural gas, water, refuse service, telephone, sanitary sewer, septic system, other.
- 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. NOT APPLICABLE

17. 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: Vicki Hester

Date Submitted: 1-23-06

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? NOT APPLICABLE

Proposed measures to avoid or reduce such increases are: NOT APPLICABLE

2. How would the proposal be likely to affect plants, animals, fish, or marine life? THE RECOMMENDATIONS IN THIS REPORT PROMOTE THE BENEFICIAL MANAGEMENT OF WATER RESOURCES FOR HABITAT PROTECTION

Proposed measures to protect or conserve plants, animals, fish, or marine life are: COMPREHENSIVE STUDY OF THE WATERSHEDS, INCLUDING RESOURCE NEEDS FOR CASCADE CREEK

3. How would the proposal be likely to deplete energy or natural resources? IF IMPLEMENTED, THE COOPERATIVE AGREEMENT AND WATERSHED STUDY WILL ALLOW FOR DOMESTIC WATER USE WHILE PROTECTING THE AESTHETIC AND HABITAT VALUES OF THE WATERSHEDS

Proposed measures to protect or conserve energy and natural resources are: COOPERATIVE MANAGEMENT AND WATERSHED STUDY FOR CASCADE LAKE/MT. LAKE WATERSHEDS AND AQUIFER STUDY AND PROTECTION MEASURES FOR EASTSOUND

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? ALL OF THE AREAS LISTED ABOVE WOULD BENEFIT FROM SCIENTIFIC ANALYSIS OF THE CAPACITY OF THE WATERSHEDS AND AQUIFER, COOPERATIVE MANAGEMENT, AND AQUIFER PROTECTION MEASURES

TO BE COMPLETED BY THE APPLICANT

EVALUATION FOR
AGENCY USE ONLY

Proposed measures to protect such resources or to avoid or reduce impacts are: WATERSHED AND AQUIFER STUDIES, COOPERATIVE MANAGEMENT AGREEMENTS, AND AQUIFER PROTECTION MEASURES

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 RECOMMENDATIONS MAY HAVE THE RESULT OF PROVIDING BETTER COORDINATION OF WATER AVAILABILITY FOR DEVELOPMENT, RESULTING IN COMPLIANCE WITH PLANNING GOALS

Proposed measures to avoid or reduce shoreline and land use impacts are: NOT APPLICABLE

6. How would the proposal be likely to increase demands on transportation or public services and utilities? NOT APPLICABLE

Proposed measures to reduce or respond to such demand(s) are: NOT APPLICABLE

7. Identify, if possible, whether the proposal may conflict with local, state, or federal laws or requirements for the protection of the environment. NO CONFLICTS. THE RECOMMENDATIONS WILL ASSIST THE COUNTY IN COMPLYING WITH LOCAL AND STATE LAWS, INCLUDING PROTECTION OF THE ENVIRONMENT

