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:
   Sunken Barge Removal-Lummi Quarry

2. Name of applicant: Lummi Rock LLC
3. Address and phone number of applicant and contact person:

Po Box 577 Sumas, WA 98295	Matthew Vaughn
360-966-3841	360-410-6268 (Cell)

4. Date checklist prepared: May 24, 2011
5. Agency requesting checklist: WA State Dept. of Fish and Wildlife
6. Proposed timing or schedule (including phasing, if applicable):
   July 15th 2011 until completion; estimated to be August 30 2011

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

   No. This is a one time event project

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

No environmental information directly related to this proposal

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.

Yes, there are applications for MRL expansion, Dock repair, and this sunken barge removal initiative. Agencies who are involved in these initiatives are Whatcom County Planning and Development, Army Corp of Engineers, Whatcom County Shoreline, WA State Dept of Fish and Wild Life, and DNR

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

HPA from the WA State Dept of Fish and Wildlife

ROE from DNR

Waivers of permit have been provided by the Army Corp of Engineers and the Whatcom County Shoreline

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.)

The project consists of removing a sunken barge that currently rests on the bottom at the shoreline of Smuggler's Cove on Lummi Island. The plan is to begin removing this vessel by using cutting torches and removing the stern at the shoreline and then using a crane to remove this metal and relocate it to another barge for shipment to the mainland for salvage. Once the stern is removed the barge will then be moved toward shore where the next section will be cut and removed. This method will continue until the bow of the vessel has been removed and all remnants are recovered in order to restore the shoreline to its natural state. A floating boom containment system will be used to ensure that we capture any debris that might escape the barge during this process to guarantee that no debris escapes Smuggler's Cove. We would also provide a "spotter" who would be watching the removal activity focusing on the environmental effects of the initiative and notifying all parties at work on the project if any negative environmental impacts are observed.

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.

#1 Smuggler's Cover, Lummi Island 98262
SW ¼ Section 24, Twnshp 37N Range 1E
Tax Parcel 370124 191084 0000

TO BE COMPLETED BY APPLICANT

EVALUATION FOR AGENCY USE ONLY

B. ENVIRONMENTAL ELEMENTS

1. **Earth**

a. General description of the site (circle one): Flat, rolling, hilly, steep slopes, mountainous, other . . . . . .The site consists of steep slopes falling off into the water except where mining activity and dock activity has provided a flat surface or gradual slope into the waterway.

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

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.
Greywacke and Black Shale Mudstone

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

No

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

N/A

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

I don't believe erosion will be a factor on this project

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:

I don't believe erosion will be a factor in this project

a. **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.

Most of the effort will be emissions caused by loaders and a crane as we remove the freed barge and move the remaining barge to the shoreline.. No more emissions than are emitted by this same equipment when it is used in mining on this same site.

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

None

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

Normal emissions control as currently monitored by the Northwest Clean Air Agency

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.

Hales Passage-Puget Sound

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....work will be done adjacent to the waterway on the shoreline as we cut up the barge for removal. The remaining remnants of the barge will then be pulled to the shoreline with loaders to allow the welders access to the next section to be removed

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 floodplain? If so, note location on the site plan.

No

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 approximate quantities if known.

No

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.

None

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.

Storm water is currently managed on the site using a holding pond. This process will not be impacted by this project

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

We will be providing a "spotter" to identify any negative impacts to the environment whether water or ground. Remnants from the barge will be collected and removed before the project is deemed completed

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

We would boom off the area to prevent any floating debris to reach Hales Passage and we would provide a "spotter" to identify any areas where environmental impacts were negative so to notify the project manager and make appropriate adjustments

4. **Plants**

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

x_____ deciduous tree: alder, maple, aspen, other

x_____ evergreen tree: fir, cedar, pine, other

x_____ 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?

The surface that will be impacted is mostly rock and a mud/silt bottom. I do not believe much vegetation will be impacted by the removal of this barge

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:

I do not believe much vegetation will be impacted by the removal of this barge. No impact to vegetation will occur above the mean high water mark

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.
Bald Eagles

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

No

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

Wildlife should not be negatively impacted by this initiative

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.

Diesel fuel will be used to power the equipment

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:

Normal fuel conservation efforts will be used as are implemented for normal mining operations at the site

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.

Workers will be working with cutting torches to cut up and remove the barge.

1) Describe special emergency services that might be required.

Lummi Island Fire Department has both fire and health services available should the need arise

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

A boom system will be put around the barge as it is dismantled in order to catch any debris preventing it from floating from the site and into Hales Passage. A spotter will be on site to watch for negative impacts to the environment so that corrective measures can implemented immediately if anything is detected.

b. **Noise**

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

This is a working quarry. The operation of the equipment used on this project will be consistent with the noise that exists in the vicinity.

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.

Equipment operation and a generator will be running during this project. This equipment is all normal noises currently found in this operating mine.

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

We will only operate during normal business hours as permitted by our current mining permit.

8. **Land and shoreline use**

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

This site is an operating rock quarry and adjacent properties are forestry

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

No

c. Describe any structures on the site.

A ramp dock adjacent to the sunken barge and a barge loading structure with pilings to load barges

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

No

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

Forestry with an MRL for mining

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

MRL

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

Shoreline Exemption

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

Tidewaters

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

I suspect approximately 5 people will work on this initiative

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

None

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

N/A

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

This project is initiated to restore the tidewaters to their natural state and to remove this sunken vessel so that safety concerns for boaters and divers can be eliminated and so that any negative impact to the environment will be eliminated

9. **Housing**

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

N/A

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

N/A

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

N/A

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?

N/A

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

N/A

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

N/A

11. **Light and glare**

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

This will occur in daylight hours for the most part so lighting should have little impact

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:

N/A

12. **Recreation**

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

Boating, fishing

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

Only until the project is completed, but once the barge is removed it will provide for a safer environment for both

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

Boaters and/or sport fishermen will be advised to stay clear of the area while work is being performed

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

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

N/A

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.

Access to the site is via public roads on Lummi Island. These roads lead to private roads which lead into the mine. Workers will follow currently used access points and salvage will be sent off island using barges

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

No.....approximately one mile away

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

N/A

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

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

Barges will be used to move scrap material to the mainland for salvage

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

Normal work flow as is already found in current mining operations

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

No additional transportation impacts are expected

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.

N/A

16. **Utilities**

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

Telephone

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.

Diesel fuel will be used to power needed equipment

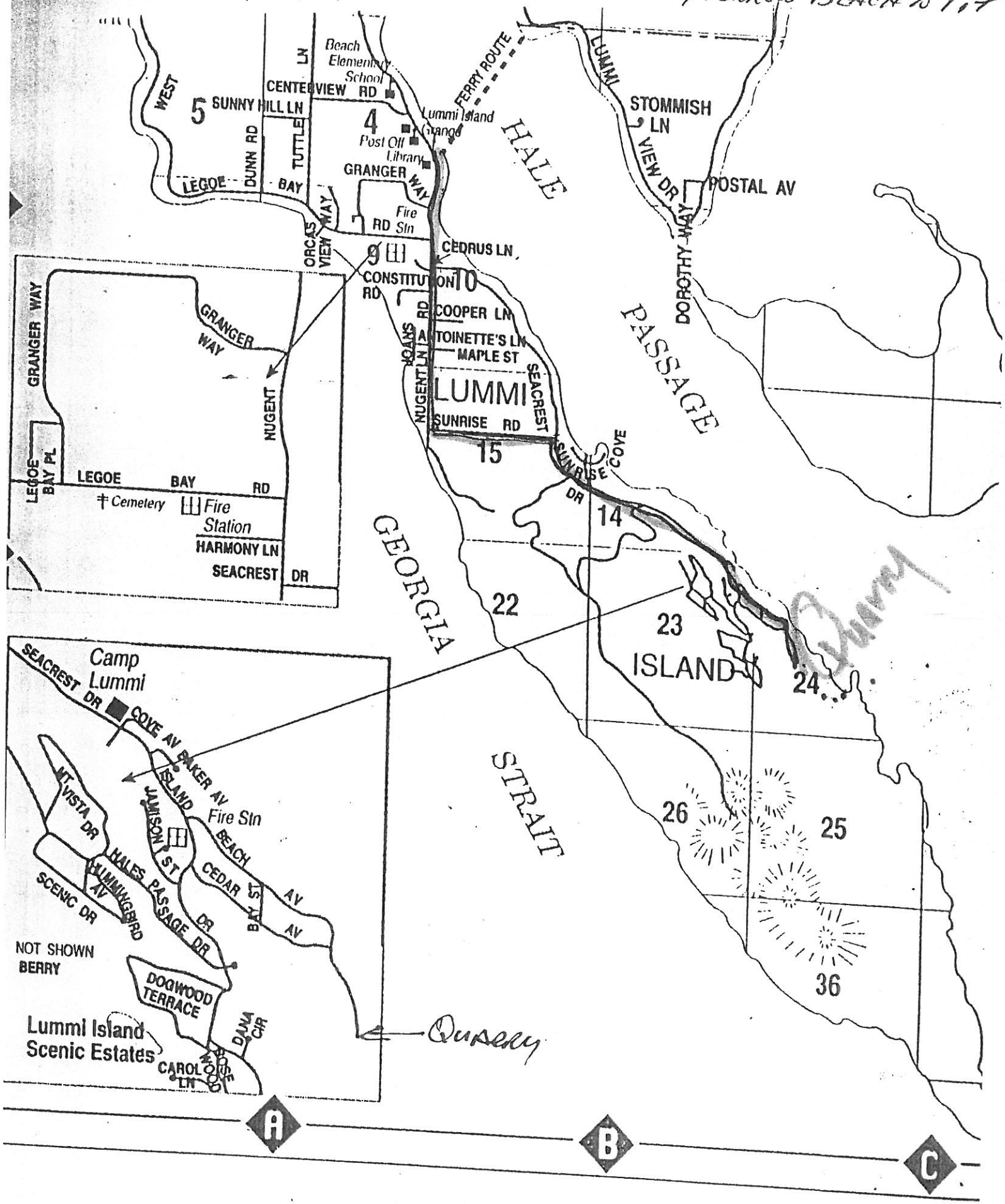
C. SIGNATURE

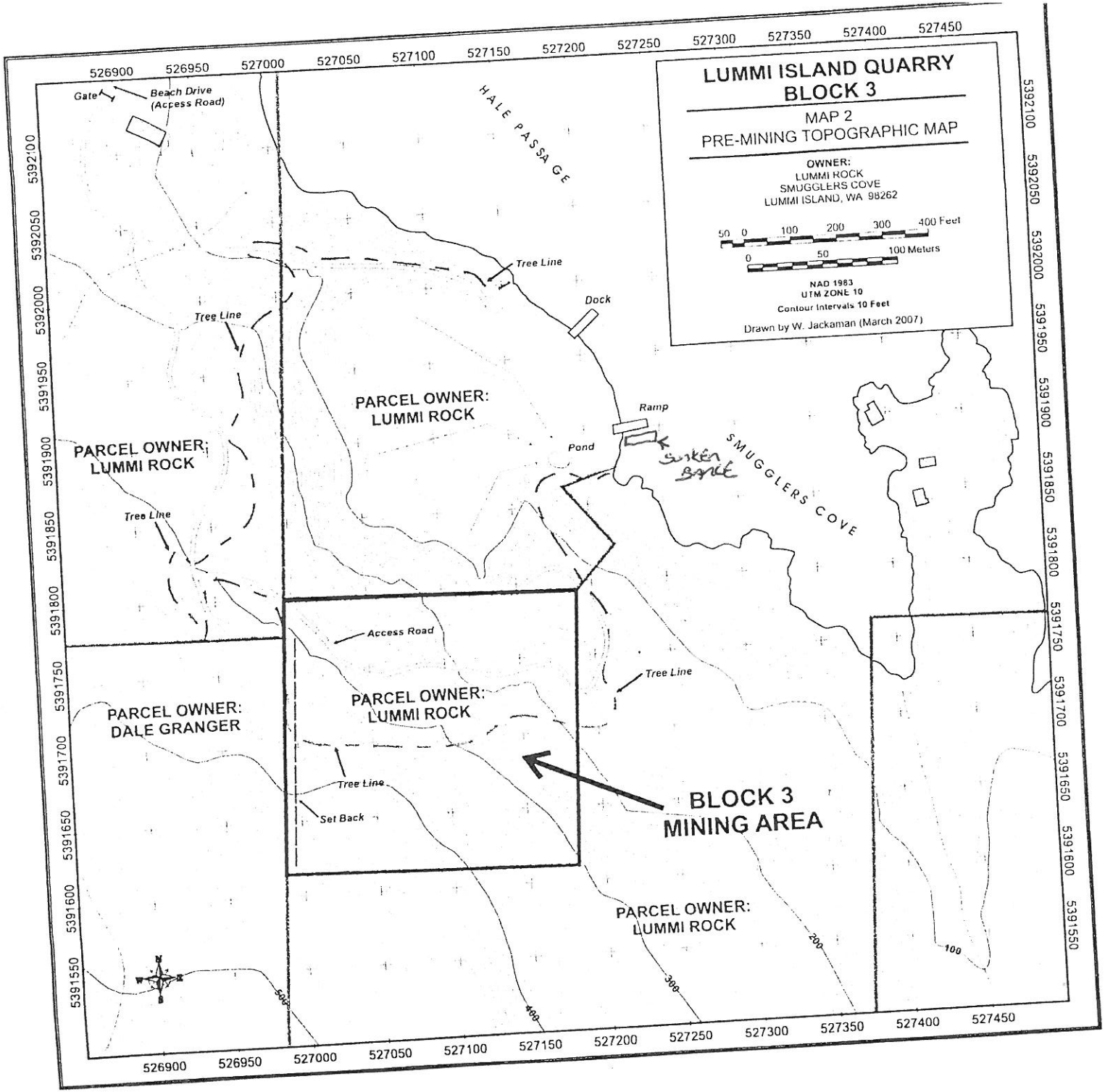
The above answers are true and complete to the best of my knowledge. I understand that the lead agency is relying on them to make its decision.

Signature: Matthew W. Vaughn

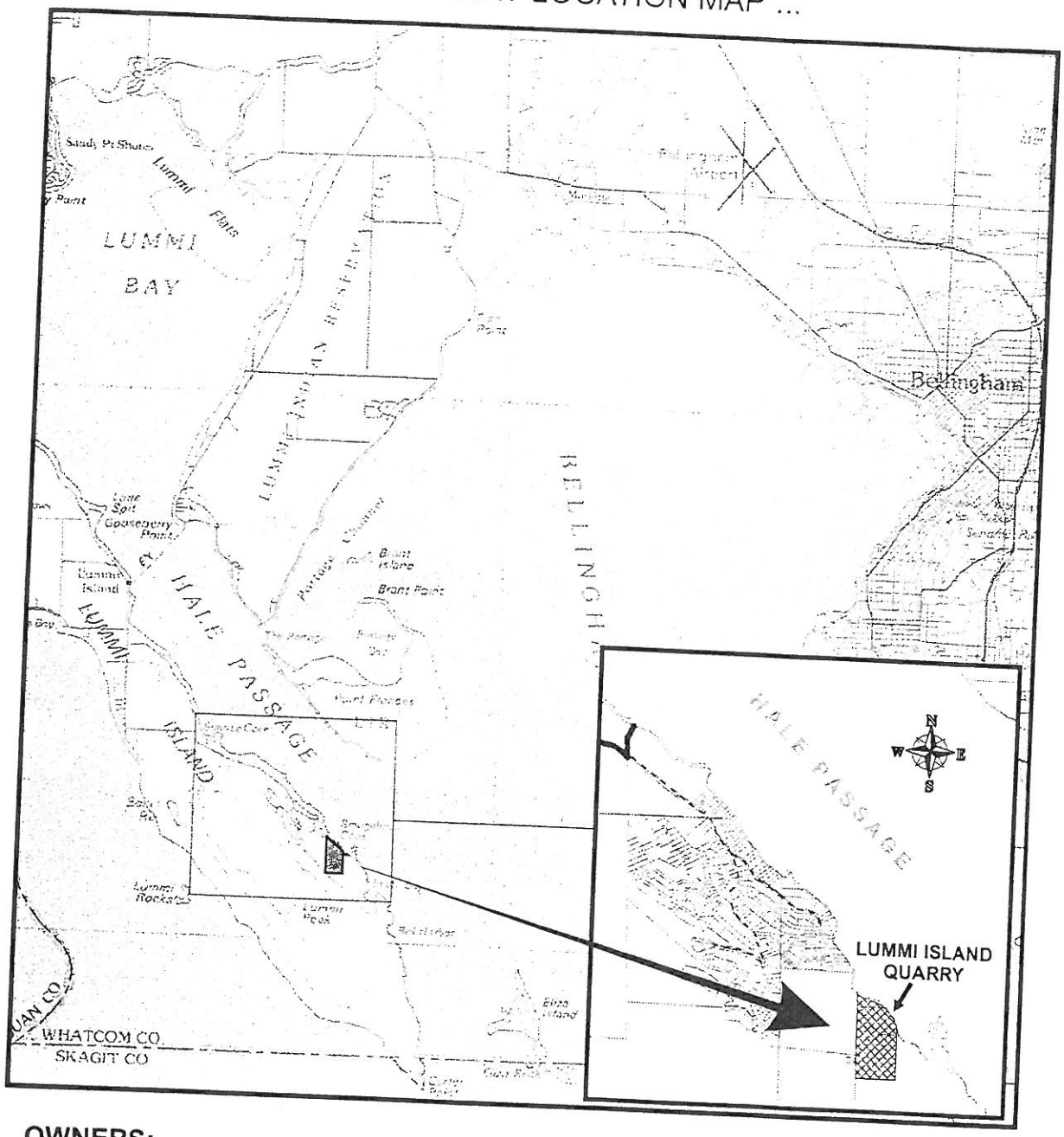
Date Submitted: 5/24/11 7/28/11 (RESUBMITTED)

LEFT OFF FERRY, GO TO END OF NUGENT LN Rd, LEFT ON SUNRISE Rd
RIGHT ON SEACREST, LEFT ON BEACH AVE, FOLLOW BEACH TO PIT




LUMMI ISLAND QUARRY
BLOCK 3
MAP 2
PRE-MINING TOPOGRAPHIC MAP
OWNER:
LUMMI ROCK
SMUGGLERS COVE
LUMMI ISLAND, WA 98262
50 0 100 200 300 400 Feet
0 50 100 Meters
NAD 1983
UTM ZONE 10
Contour Intervals 10 Feet
Drawn by W. Jackaman (March 2007)
526900 526950 527000 527050 527100 527150 527200 527250 527300 527350 527400 527450
5392100 5392050 5392000 5391950 5391900 5391850 5391800 5391750 5391700 5391650 5391600 5391550
Gate
Beach Drive
(Access Road)
HALE PASSAGE
Tree Line
Dock
Ramp
Pond
SUNKEN BANK
SMUGGLERS COVE
PARCEL OWNER:
LUMMI ROCK
PARCEL OWNER:
DALE GRANGER
Access Road
Set Back
BLOCK 3
MINING AREA
100
200
300
400
500

MAP 1: LUMMI ISLAND QUARRY LOCATION MAP ...



OWNERS:

LUMMI ROCK LLC
SMUGGLERS COVE
LUMMI ISLAND, WA 98262

OPERATOR:

AGGREGATES WEST INC.
PO BOX 1466
SUMAS, WA 98295
360-966-3641

LEGAL DESCRIPTION:

SW ¼ OF SECTION 24, TOWNSHIP 37 N, RANGE 1 E, GOVERNMENT LOT 3

EXISTING & PROPOSED MRL OVERLAY:

NE ¼, SW ¼ SECTION 24 (GOVERNMENT LOT 3)
SE ¼, SW ¼ SECTION 24 (GOVERNMENT LOT 3)

PROPOSED MRL EXPANSION AREA:

REMAINDER OF GOVERNMENT LOT 3 NOT COVERED BY A MRL OVERLAY AND EXCLUDING AREA WITHIN 200' OF SHORELINE