WASHINGTON STATE DEPARTMENT OF AGRICULTURE

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 question 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 question 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: 2004 Gypsy Moth Eradication Project

2. Name of applicant: Washington State Department of Agriculture (WSDA)

3. Address and phone number of applicant and contact person: Chad Phillips (360) 586-8456
   3939 Cleveland Ave. SE; Olympia, WA 98501

4. Date checklist prepared: February 19, 2004

5. Agency requesting checklist: Washington State Department of Agriculture

6. Proposed timing or schedule (including phasing, if applicable):
   Between April 15 and June 30, 2004

7. Do you have any plans for future additions, expansion, or further activity related to or connected with this proposal if yes, explain.
   Yes, the success of the project will be monitored by the placement of gypsy moth traps during the summers of 2004 and 2005.

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

The Washington State Department of Agriculture will prepare an Environmental Assessment (EA) which will be tiered to a Final Environmental Impact Statement (FEIS) prepared by the USDA-Forest Service and USDA-Animal and Plant Health Inspection Service entitled "Gypsy Moth Management in the United States: a cooperative approach, 1995" (FEIS). Relevant sections of the FEIS will be incorporated herein by reference. Copies of the EA and FEIS will be available for review at the Washington State Library, Point Plaza East, Bldg. 1, 6880 Capitol Blvd. S, Tumwater, WA. The USDA is taking part in Endangered Species Act Section 7 consultation with both the United States Department of Interior Fish and Wildlife Service (USFWS) and the National Marine Fisheries Service (NMFS).

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

No

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

The above mentioned Environmental Assessment (EA) which will be tiered to the FEIS. WSDA will consult with other agencies in order to implement appropriate mitigating measures with regard to Threatened or Endangered species, high quality ecosystems and water quality. Also, the Endangered Species Act Section 7 consultations being conducted by USDA.

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.)

WSDA proposes to control and eradicate an infestation of gypsy moth in King County, Washington through implementation of the following actions:

- Three ground based applications of the biological insecticide Bacillus thuringiensis var. kurstaki (Btk) (Foray 48B EPA Reg. No. 73049-46) will be applied to all foliage (according to label) within an area of approximately 11 acres.
- Bond, an adjuvant with spreader/sticker qualities may be utilized.
- Applications are scheduled to occur 3-14 days apart. The exact timing of the proposed action would depend on weather as well as larval and foliage development.
- Applications will be followed by an extensive gypsy moth trapping program employing pheromone-baited traps.

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.

King County, Washington, (S28, 33 T25N R5E) Boundaries: The site is in the Bellevue area. The northern boundary is approximately 425ft north of NE 8th St, the southern boundary is approximately 200ft south of NE 8th St, The eastern boundary is just east of 120th Ave NE, and the western boundary is just west of 119th Ave NE. See attached maps for details.

TO BE COMPLETED BY APPLICANT

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)?
None

TO BE COMPLETED BY APPLICANT

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.

Does Not Apply

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.

Does Not Apply

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

Does Not Apply

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

Does Not Apply

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

Does Not Apply

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.

There would be spray droplets suspended in the air during and for a short time after the treatments.

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:

Treatments will be limited to times when conditions do not promote prolonged droplet suspension.

TO BE COMPLETED BY APPLICANT

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.

Yes, Lake Sturtevant/Bellevue is 150 feet to the north and Sturtevant creek is 250 feet to the west.

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, WSDA plans to apply Tank mix to foliage within the 11-acre treatment block. WSDA will ensure that no direct application to surface water occurs. Furthermore, WSDA will have drain-covering materials on site and will utilize them as necessary to ensure that no tank mix enters storm water drains.

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.

Does Not Apply

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

TO BE COMPLETED BY APPLICANT

c. Water Runoff (including storm water):

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.

Rain water runoff percolates into soil and is captured by city waste water systems.

2) Could waste materials enter ground or surface waters? If so, generally describe.
No

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

Does Not Apply

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
_X_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.

A search of the Washington State Dept. of Natural Resources Natural Heritage Information System found no records for rare plants or high quality native ecosystems in the vicinity of this project. It is not anticipated that any Threatened or Endangered species will be affected by this proposal.

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

The gypsy moth feeds on more than 500 different species of trees and shrubs. Establishment of the gypsy moth in Washington State would seriously damage our environment, economy, and quality of life. WSDA's measures to eradicate gypsy moth will preserve native plants, landscaping, and other vegetation.

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.

Information provided by Washington State Dept. of Fish and Wildlife (WDFW) Priority Habitats and Species Program did not identify any Threatened or Endangered species on this site however, a number of raptor nesting sites were listed as occurring in the area. All listed raptor nesting sites are well over one half mile from the proposed site. Also, listed were records of bald eagle breeding occurrence well over one mile from the proposed site. WDFW also listed the presence of priority anadromous fish and priority resident fish in the area. The priority anadromous fish listed include fall chinook, coho salmon and sockeye salmon. The priority resident fish listed include cutthroat and rainbow trout. Information provided by the WDFW from their lepidopteran database did not name any Threatened or Endangered species on or near this site.

TO BE COMPLETED BY APPLICANT

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

Yes, Pacific flyway for migrating birds.

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

WSDA will coordinate with other agencies in order to implement any appropriate mitigating measures with regard to the above mentioned species. It is not anticipated that any Threatened or Endangered species will be adversely affected by this proposal as none are expected to be in the treatment area at the time of application. WSDA's measures to eradicate gypsy moth will preserve native plants, landscaping and other vegetation, thereby protecting the habitat needed by wildlife.

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.

Does Not Apply

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

Does Not Apply.

d. 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:

Does Not Apply.

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.

Yes, exposure to the insecticide during mixing and application, and some potential for spills. The potential for health hazards associated with this project are addressed in the FEIS referred to in Section A, item #8 of this SEPA checklist. According to the FEIS, there is minimal potential for significant adverse impacts on human health in projects of this type. It is the intent of the WSDA to reduce that minimal potential through compliance with the label, and actions detailed in #2 below.

1) Describe special emergency services that might be required.

Some potential need for the Dept. of Ecology "spill response" in the event of a major spill.

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

Mixing and application of insecticide will be done in accordance with the label and only under the supervision of WSDA monitors. Containment and clean-up materials will be on-site during applications. Stakeholders in affected areas will be supplied with information about the material to be applied and notified of dates and times of activity and of measures they may wish to take to protect themselves and their property.

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.

Short-term noise from the application equipment, timing would be variable.

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

WSDA will notify Businesses in the affected area of the dates and times of eradication activities.

8. **Land and Shoreline Use**

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

Commercial and Office

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

No.

c. Describe any structures on the site.

There are approximately 30 Businesses on the site.

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

No

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

Commercial Office

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

Does Not Apply

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

Does Not Apply

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

No

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

Does Not Apply

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

Does Not Apply

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

None

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

None

TO BE COMPLETED BY APPLICANT

9. **Housing**

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

Does Not Apply.

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

Does Not Apply.

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

Does Not Apply.

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?

Does Not Apply

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

Does Not Apply

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

Does Not Apply

11. **Light and Glare**

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

Does Not Apply

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

Does Not Apply

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

Does Not Apply

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

Does Not Apply

12. **Recreation**

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

None

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

Displacement of any recreational uses would be transient.

TO BE COMPLETED BY APPLICANT

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

WSDA will notify occupants in the affected area of the dates and times of eradication activities.

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.

Does Not Apply

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

Does Not Apply

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

None

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.

Does Not Apply

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

Does Not Apply

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

Does Not 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).

No

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

Does Not Apply

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

None

TO BE COMPLETED BY APPLICANT

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

None

15. **Public Services**

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

Does Not Apply.

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

Does Not Apply.

16. **Utilities**

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

Does Not Apply

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.

Does Not Apply.

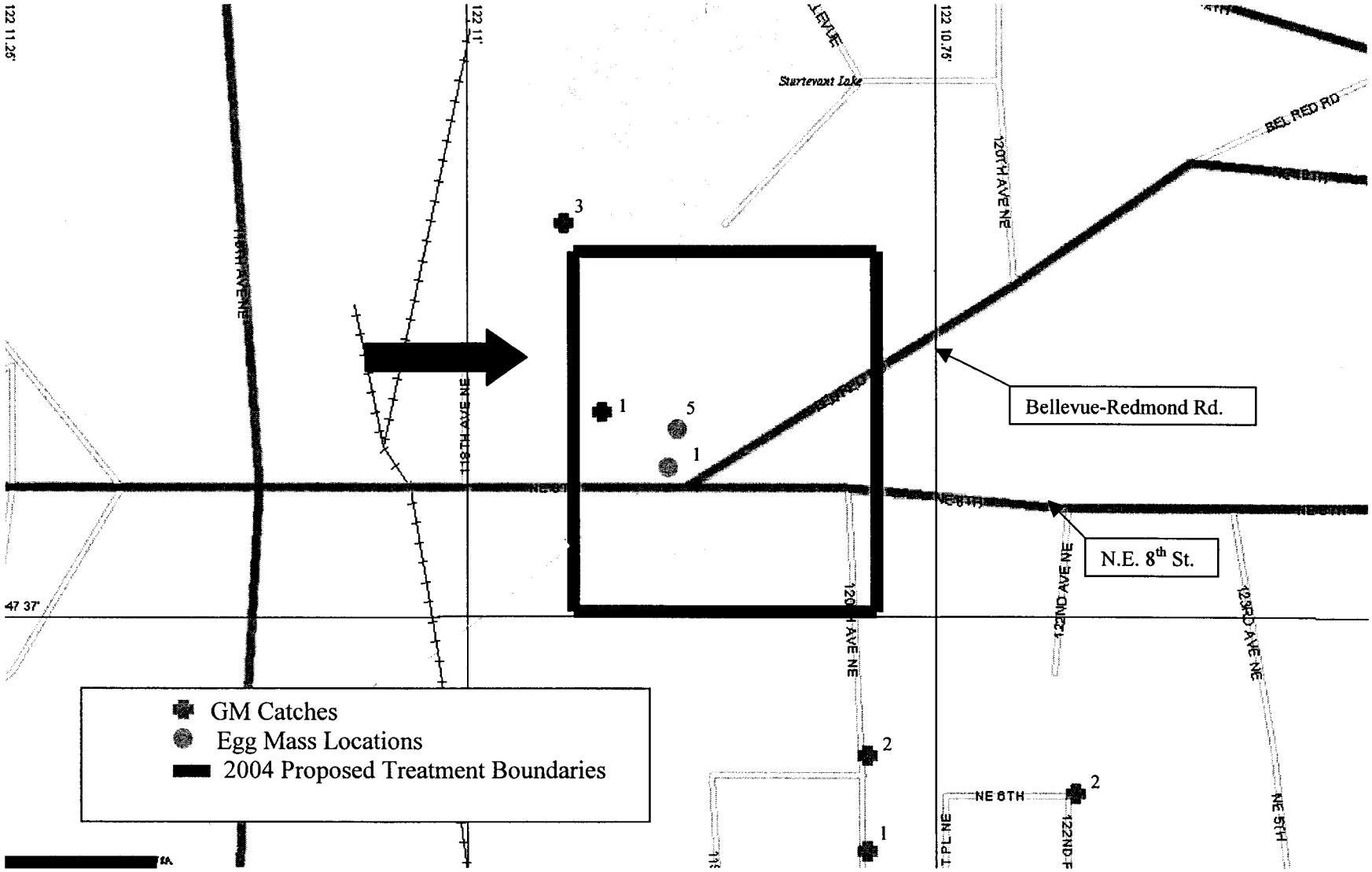
C. SIGNATURE

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.

Signature: Chad H. Phillips

Date Submitted: 2-19-04

Proposed 2004 Gypsy Moth Eradication Area
Bellevue (11 Acres)



NOTE: The boundaries for the proposed treatment zone are: on the west, just west of 119th Avenue NE; on the east, just east of 120th Avenue NE: on the north, approximately 425 feet north of NE 8th Street; and on the south, approximately 200 feet south of NE 8th Street.

City of Bellevue MapGuide

Streets & Street Names

Abc **Street Names**

Highway

Hydrology

Lakes

School Layers

School Properties

Parks Sites

Parks

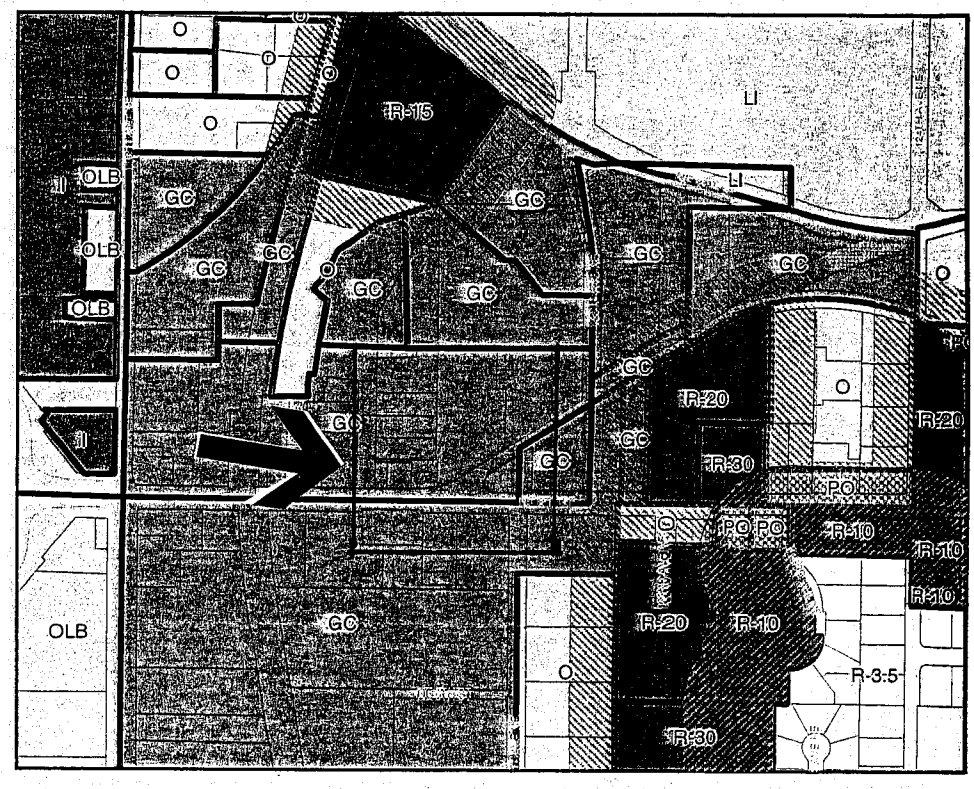
Districts - Areas

City Limit Lines

City Boundaries
Bellevue

Zoning Layers

Design Districts
Subdistrict A
Subdistrict B



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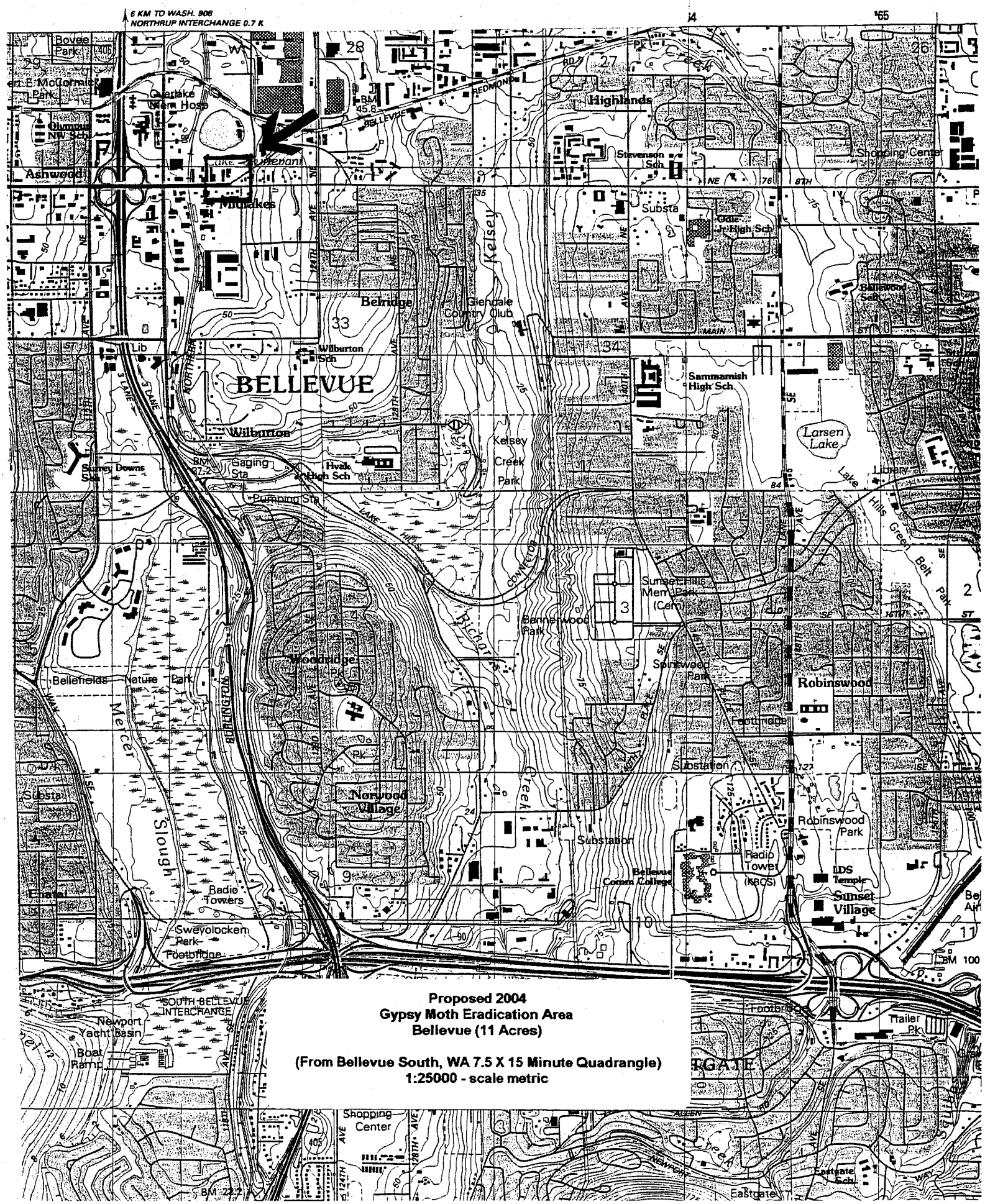
FEET

UNITED STATES
DEPARTMENT OF INTERIOR
GEOLOGICAL SURVEY



Proposed 2004
Gypsy Moth Eradication Area
Bellevue (11 Acres)

(From Bellevue South, WA 7.5 X 15 Minute Quadrangle)
1:25000 - scale metric