

**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:

***Kaiser Aluminum Trentwood Site – West Discharge Ravine Interim Action***

2. Name of applicant:

***Kaiser Aluminum Washington, LLC  
15000 E Euclid Ave  
Spokane Valley, WA 99215***

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

***Bernard P (Bud) Leber, Jr.  
Kaiser Aluminum Washington, LLC  
PO Box 15108  
Spokane Valley, WA 99216  
(509) 927-6554***

4. Date checklist prepared:

***August 1, 2012***

5. Agency requesting checklist:

***Department of Ecology  
Toxics Cleanup Program  
Eastern Regional Office***

6. Proposed timing or schedule (including phasing, if applicable):

*Interim Action is expected to be implemented in 3Q 2013.*

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

*Additional Interim Actions may be required to be followed by Final Actions.*

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

*A Remedial Investigation and a Feasibility Study have been completed under Agreed Order No. 2692. The Remedial Investigation includes a Sitewide Groundwater Investigation and a Sitewide Soil Investigation as well as a Human Health and Ecological Risk Assessment. The Feasibility Study includes a Technical Memorandum as well as the Feasibility Study including Addendums.*

*Interim Action Work Plans, Engineering Design Reports, Construction Plans and Specifications, and Completion Reports will be prepared.*

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.

*Kaiser is not aware of any.*

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

*Approval by Ecology and potentially other agencies of Work Plans, Engineering Design Reports, Construction Plans and Specifications, and Completion Reports will be required. Corps of Engineers Permit, Substantive Requirements for HPA, 401, and Shorelines.*

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 Interim Action at the site for the West Discharge Ravine involves the removal of approximately 1,200 cubic yards of PCB containing soil. Soil excavation will be accomplished through the use of a slide rail trench box system. The side walls of the trench box are segmented within slide rails and slide downward as the excavation deepens. Excavated material will be screened on site to remove the +2 inch diameter material. The undersize material will then be transported off site for disposal at an appropriately permitted landfill. The excavation will then be backfilled with clean fill material. Attached Figures 1, 2, and 3 identify the West Discharge Ravine location and the PCB containing soil details. This location is part of the 2007 interim action where the top 10 to 12 feet (about 2,500 cubic feet) of PCB containing soil was excavated and disposed off-site. This project will involve the excavation and off-site disposal of deeper PCB containing soil that remained after the 2007 interim action.*

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.

*The Interim Actions will be performed on the Kaiser Aluminum Trentwood Site located at 15000 E Euclid Avenue in Spokane Valley. The site is located in Township 25 North, Range 44 East, Section 2 (South ½), Section 3 (Southeast ¼), Section 10 (Northeast ¼), and Section 11 (North ½).*

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)?

*The ravine side walls are greater than 45% in some areas. Soil screening and loadout areas are essentially flat.*

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.

*Sand and gravel*

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.

*After PCB containing soil has been removed from the excavation site (see Figures 2 and 3), the excavation will be backfilled with clean material from off site.*

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

*During the soil removal phase, all excavation will be within the trench box system. All soil screening and loadout activities will be conducted in the same Soil Management Area that was constructed in 2007 for previous Interim Action taken at the site. Figure 17 identifies the location of the Soil Management Area relative to the excavation area.*

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

*Project will not generate any new impervious surfaces.*

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

*Following the completion of the Interim Action, the ravine will be revegetated through a combination of planting and hydroseeding.*

**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.

*Exhaust from heavy earthmoving equipment such as excavators, end loaders, and trucks during the removal, screening, and loadout activities.*

- 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:

*None*

**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, Spokane River near River Mile 86*

- 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, see attached Figures 1 and 2.*

- 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.

*Yes, see Figure 2*

- 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 groundwater will be withdrawn. Stormwater generally infiltrates into the ground.*

- 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.

*Stormwater generally infiltrates into the ground.*

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

*No*

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

*No additional measures proposed.*

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?

*After excavation and backfilling is completed, the area will be revegetated based on a pre-excavation survey of the current vegetation.*

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

*None are known of*

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

*After excavation and backfilling is completed, the area will be revegetated based on a pre-excavation survey of the current 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: pheasant, chucker  
mammals: deer, bear, elk, beaver, other: coyote, moose, rabbit, marmot  
fish: bass, salmon, trout, herring, shellfish, other: large scale sucker

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

*None are known of*

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

*Unknown*

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

*No additional measures*

## 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.

*None*

- 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:

*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.

*The contaminant removal work will be accomplished by trained workers under a Health and Safety Plan that is approved by Ecology. The worker Health and Safety Plan will be designed to conform to State and Federal requirements for worker health and safety.*

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

*Existing emergency response agreements are in place for the facility.*

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

*These measures will be addressed in the site specific Health and Safety Plan to be approved by Ecology.*

**b. Noise**

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

*Project area is located on an existing industrial site.*

- 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.

*Heavy earth moving equipment will be operating during daylight hours during the implementation of the Interim Actions on a short term basis.*

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

*No additional measures. Most work will be near existing industrial operations.*

**8. Land and shoreline use**

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

*Existing heavy industrial operations*

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

*Site was an agricultural are prior to the facility being built in 1942.*

- c. Describe any structures on the site.

*No structures are located within the ravine/excavation area. However, over 65 acres of the 512 acre site is covered by existing manufacturing buildings with an approximate height of 40 feet.*

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

*No.*

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AGENCY USE ONLY

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

*Heavy Industrial*

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

*Unknown*

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

*Pastoral*

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

*Unknown*

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

*None*

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

*None*

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?

*None*

- 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?

*None*

- 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?

*None*

- 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?

*Mirabeau Park (across the river) and State of Washington Parks Department property*

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

*No. Interim Actions will be taken on an existing heavy industrial site.*

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

*None*

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.

*Unknown*

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

*There is no record of any landmarks or evidence of historical, archaeological, scientific, or cultural importance being located on the site. Prior to the 2007 interim action, a cultural resource assessment was conducted (Cultural Resources Survey of the Proposed Kaiser Trentwood West Discharge Ravine Remediation Project, Spokane Valley, Washington, June 2007) at the request of the Spokane Tribe of Indians and the Coeur d'Alene Tribe of Indians. The survey showed that there was no evidence of the presence of significant archeological or historic resources in the areas to be disturbed by the excavation. The 2007 survey was monitored by a representative of the Spokane Tribe.*

- 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.

*Existing industrial site served by Euclid and Sullivan*

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

*No. Nearest public transit stop is about six blocks.*

- 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).

*No*

- 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.

*None*

- 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.

*No*

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: steam generation

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*

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: Bernal F. Tolon Jr.

Date Submitted: August 1, 2012

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?

Proposed measures to avoid or reduce such increases are:

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

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

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

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

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?

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

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AGENCY USE ONLY

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?

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

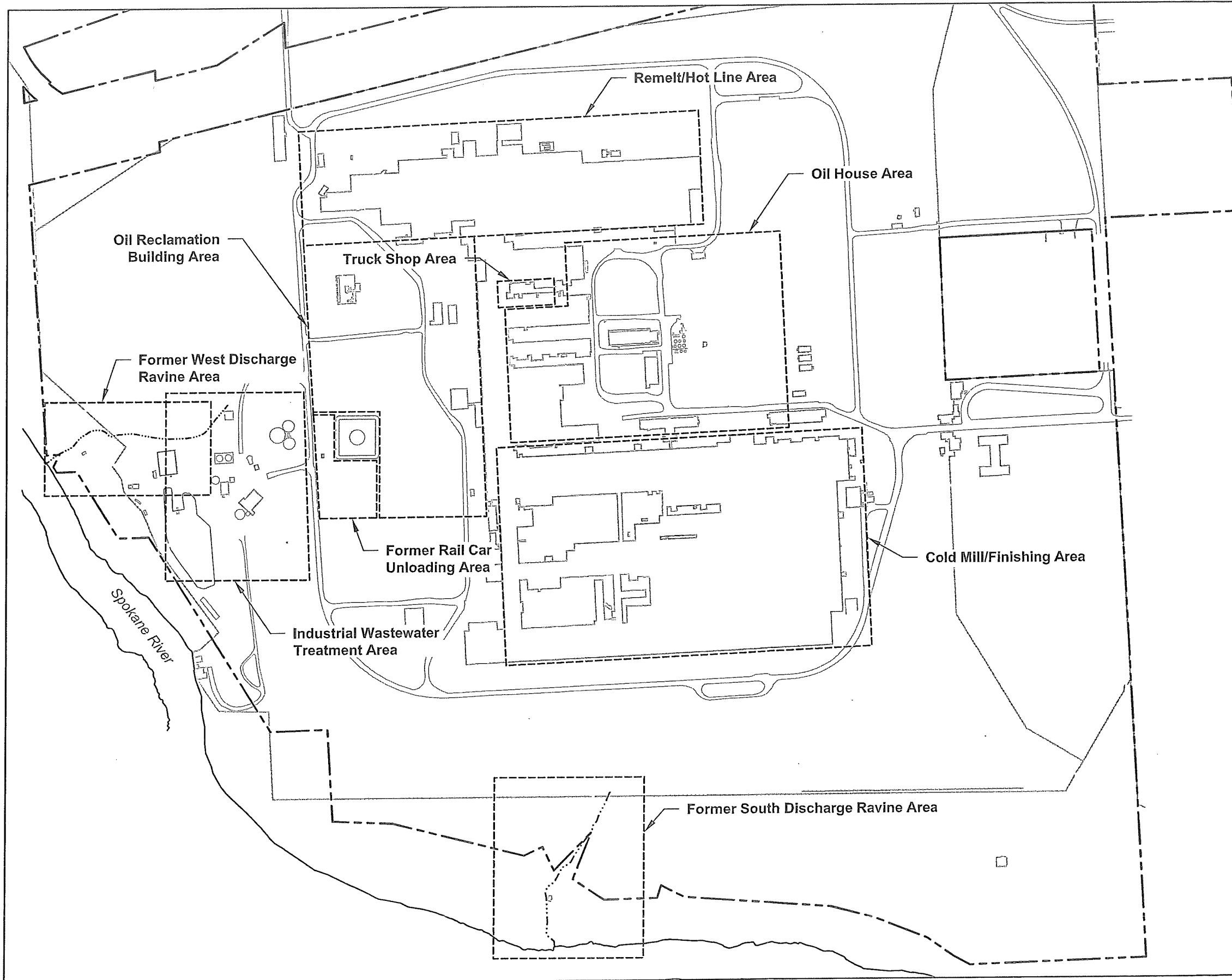
6. How would the proposal be likely to increase demands on transportation or public services and utilities?

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

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

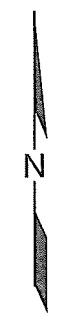
## **Attachments**

**Kaiser Facility Map**



Area Boundary

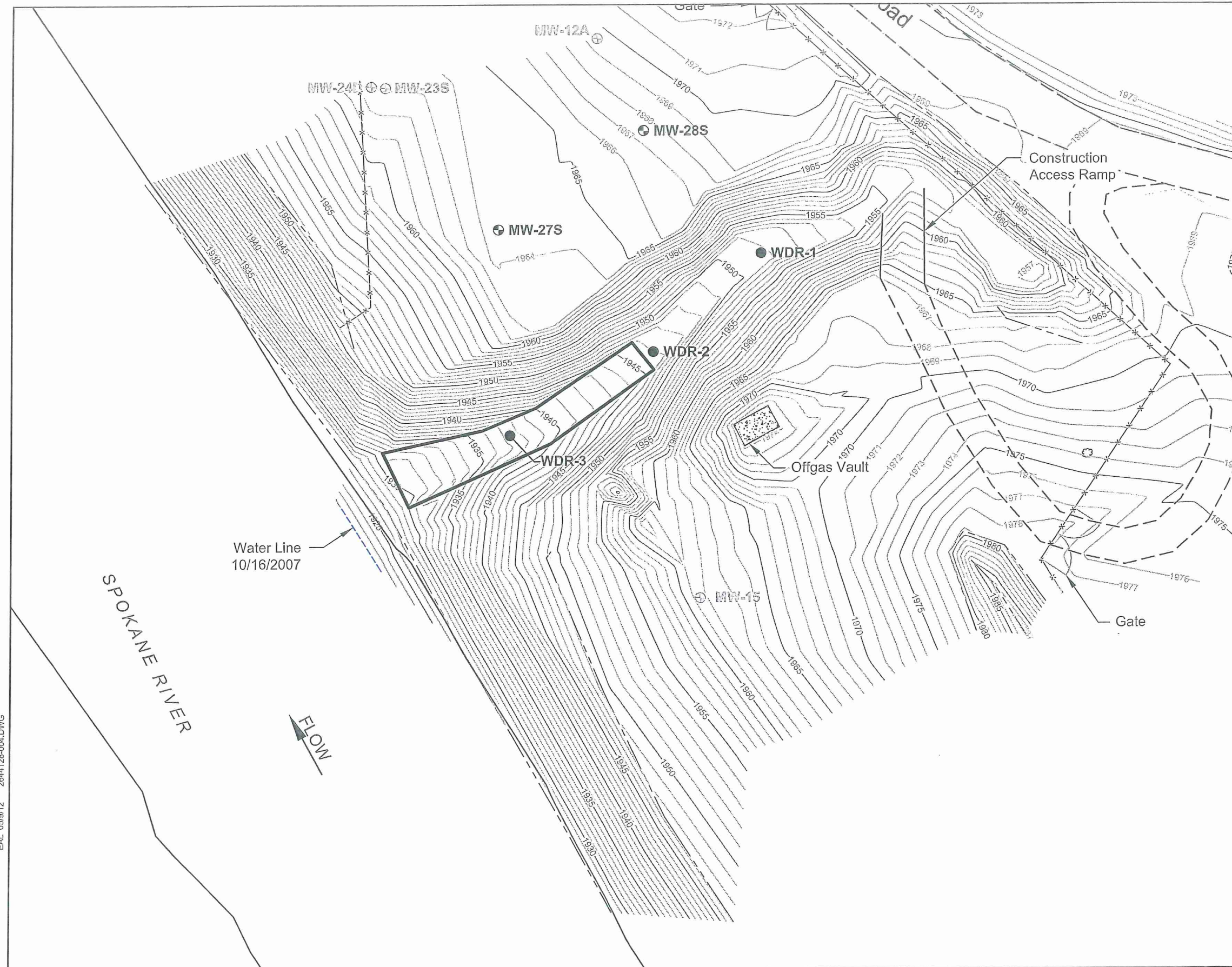
Note: Area boundaries shown on this figure are approximate.



0 500 1000  
Scale in Feet

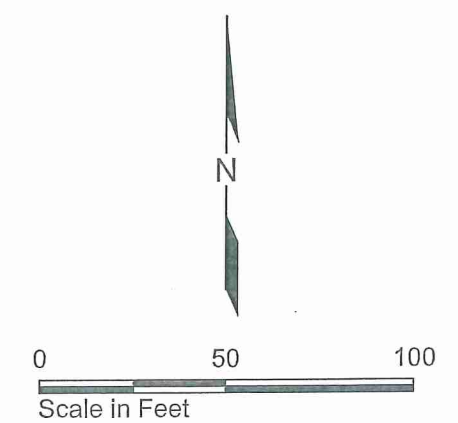
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Former WDR Vicinity Plan and PCB AOC



- Exploration Location and Number
- MW-27S ⊕ Monitoring Well
  - WDR-1 ● Soil Boring
  - Smear Zone PCB AOC

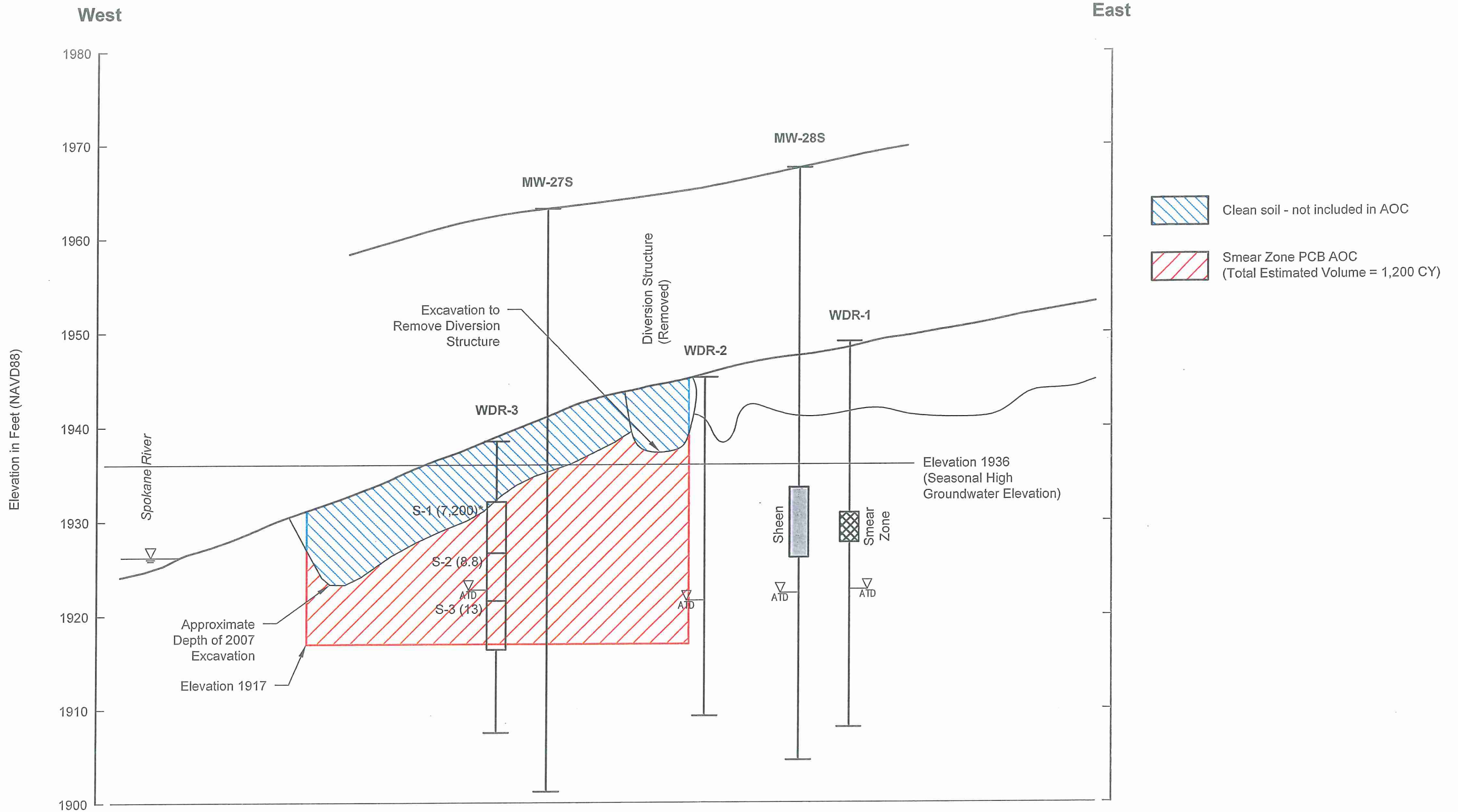
- Notes:
1. Vertical datum is 1988 North American Vertical Datum (NAVD88).
  2. Topography labels adjusted based on 2011 survey data. Contours not necessarily representative of actual topography.



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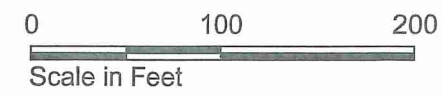
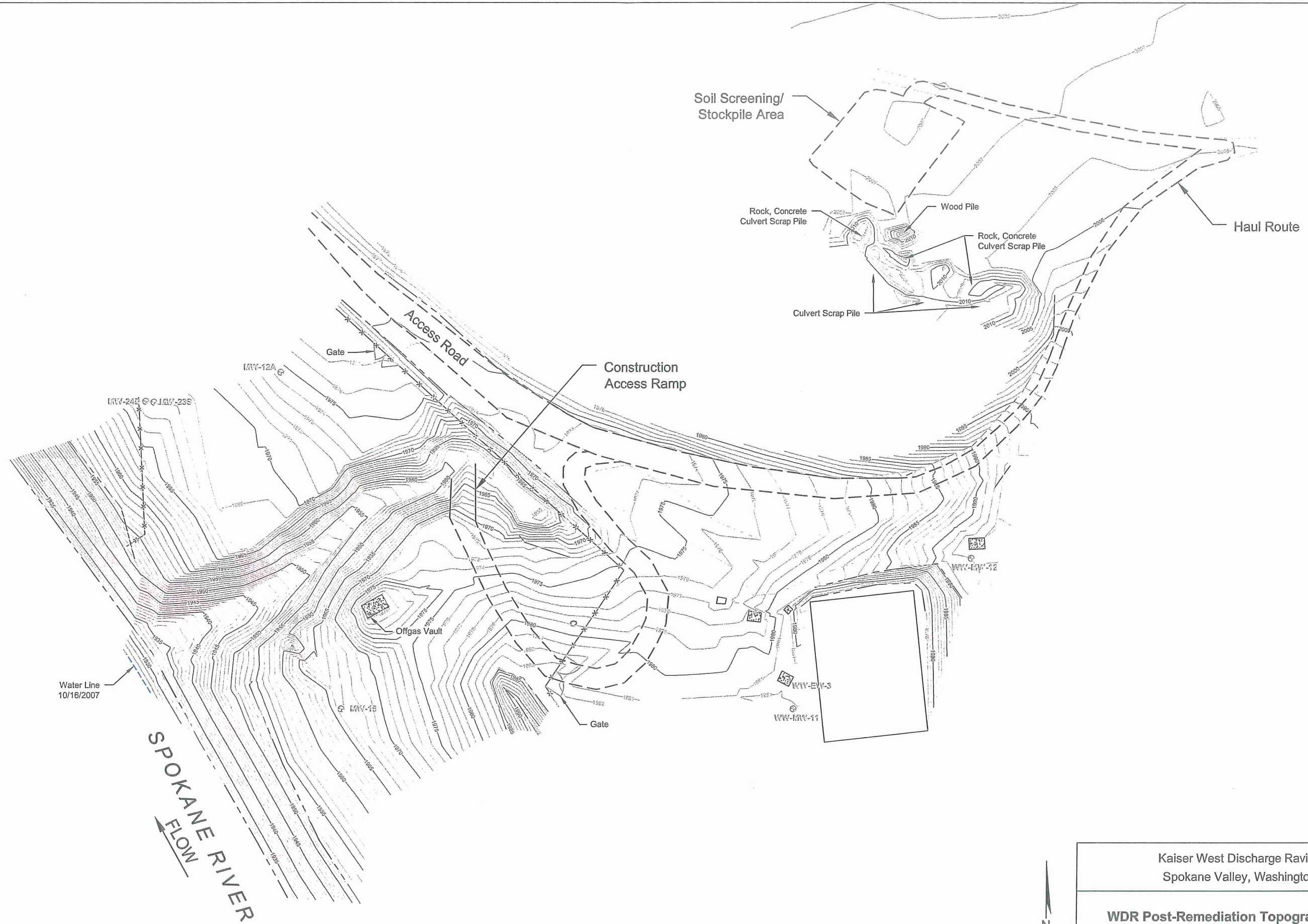
Vertical Extent of AOC




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\*7,200 ug/kg Total PCB, EPA Method 8082

Horizontal Scale in Feet  
 0 30 60  
 Vertical Scale in Feet  
 0 10 20  
 Vertical Exaggeration x 3



Kaiser West Discharge Ravine Spokane Valley, Washington	
<b>WDR Post-Remediation Topographic Map</b>	
2644-110	12/07
	Figure <b>17</b>