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: *Jack Eaton & Sons ~ Lmuma Creek Habitat Enhancement Project—Yakima River component*
2. Name of applicant: *WDFW, Kittitas County Conservation District*
3. Address and phone number of applicant and contact person:

Name:	*Jennifer Scott*	*Mark Crowley*
Business Name:	*WDFW*	*KCCD*
Street Addr/PO Box:	*1701 S. 24th Avenue*	*607 E. Mountain View*
City, State, Zip Code:	*Yakima, WA 98908*	*Ellensburg, WA 98926*
Telephone No.	*(509) 457-9307*	*(509) 925-8585 x4*

4. Date checklist prepared: *April 26, 2007*
5. Agency requesting checklist: *WDFW*
6. Proposed timing or schedule (including phasing, if applicable):
   May 2007

7. Do you have any plans for future additions, expansion, or further activity related to or connected with this proposal? If yes, explain. *Yes, this project is part of a separate SEPA checklist for activities associated with Lmuma Creek, and a DNS was issued by Washington Department of Ecology, all comments were submitted by March 5, 2007. Initially, the Yakima River portion of the project was expected to be minimal, consisting of replacing the current pump with a new pump within the existing footprint and using a boom truck to place the fish screens instream during irrigation season. As the project progressed, it was determined that more work near the shoreline of the Yakima River would be necessary, resulting in this SEPA checklist. Other components of the project have not changed and are not included in this checklist.*

8. List any environmental information you know about that has been prepared, or will be prepared, directly related to this proposal.
   Biological assessment / evaluation prepared by WDFW
   Cultural Resources report, NRCS
   SEPA DNS (Lmuma Creek) issued by Ecology

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.
   JARPA (1 for Lmuma Creek, 1 for Yakima River)
   NEPA categorical exclusion-NRCS
   NHPA Sec. 106 Compliance-NRCS
   Point of Diversion change from Lmuma Creek to Yakima River-Ecology

10. List any government approvals or permits that will be needed for your proposal, if known.
    Trust Water Application Nos. CS4-01253CTCL@1, CS4-01253CTCL and CS4-01237CTCL.

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.)
    Through the Irrigation Efficiency Program, Washington State Conservation Commission will provide cost-share funding to replace handline and wheelline irrigation with high-efficiency pivot sprinkler irrigation for 119 acres owned and farmed by Jack Eaton & Sons under the Adjudicated Water Rights confirmed under Court Claim No. 01253 and 01237. An estimated 0.25 cfs, 95.16 acre-ft/yr will be conserved through the efficiency upgrade. The point of diversion for CTCL No 01253 will be moved from Lmuma Creek to the Yakima River. The conserved non-consumptive water will be placed into the Washington State Trust Water Right Program (TWRP) for a period of 20 years for the purpose of augmenting instream flows in Lmuma Creek (a tributary of the Yakima River) and the Yakima River.
    Two hardened cattle/equipment crossings will be installed in Lmuma Creek and a pipe will be inserted under the creek to provide Yakima River water to a 12.5-acre field on the east side of Lmuma Creek. The riparian habitat in the lower reaches of Lmuma Creek will be restored by plantings of native trees and shrubs.

    ~~*NEW ADDITION:*~~ *As the irrigation improvement project progressed, the contractors and project sponsors realized that the proposed work in and around the Yakima River would need to change, based on the existing site conditions. A large pump sump was discovered in the preexisting concrete that the current pump is mounted to. This large void renders the concrete pad too insecure to support the new pump and therefore a new 8'x8'x6" concrete pad will be poured and the existing void will be filled to increase safety in the work area and provide the proper stability for a pump station on the Yakima River that is suited for use with a NOAA Fisheries and WDFW compliant fish screen that will replace the current unscreened intake structure.*

    Originally, a boom truck was proposed to access the site twice annually to place and remove the screen for the irrigation season. Given the instability of the bank and soils and addition of the concrete, boom truck access will be extremely difficult. A 10'x10'x4' concrete pad will be poured adjacent to the pump station pad to mount a jib crane that will move the screen in and out of the River for irrigation season. The crane was determined to be necessary to prevent high flow events from damaging the existing

infrastructure and minimize impacts of a boom truck trying to access the site. This proposed work will require minimal riprap to increase the stability of the bank, and protect the irrigation infrastructure.

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 project site is located at 12771 SR 821, in Ellensburg, Washington,
Section 4, Township 15 N., Range 19 E.W.M.
46.82036° N; 120.45942° W
Parcel # 544133
WRIA 39, Yakima River

B. ENVIRONMENTAL ELEMENTS

1. **Earth**

a. General description of the site (circle one): Flat, rolling, hilly, steep slopes, mountainous, etc.:
flat with steep slopes on river bank and road embankment

b. What is the steepest slope on the site (approximate percent slope)?
10%

c. What general types of soils are found on the site (for example, clay, sand, gravel, peat, muck)? If you know the classification of agricultural soils, specify them and note any prime farmland.
Argabak very cobbly loam, Denwy silt loam, Cleman very fine sandy loam, Wipple cobbly clay loam, Manastash-Durtash complex, Benwy silt loam

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.
Two concrete pads will be poured near the shoreline of the Yakima River. Additionally, 21 cubic yards of 24 inch minus riprap will be placed along the bank to protect the existing infrastructure; no more than 7 cubic yards will be waterward of the ordinary high water mark. No new soils will be brought onsite for this project.

f. Could erosion occur as a result of clearing, construction, or use? If so, generally describe.
Not likely, conservation measures will be taken to reduce erosion during and after construction. All disturbed areas will be compacted and reseeded with a suitable erosion control seed mix.

g. About what percent of the site will be covered with impervious surfaces after project construction (for example, asphalt or buildings)?
2 concrete pads, 8'x8' and 10'x10'

h. Proposed measures to reduce or control erosion, or other impacts to the earth, if any:
Areas disturbed will be minimized as much as possible. The disturbed soils will be compacted and a suitable seed mix will be planted to reestablish vegetation increasing soil stability.

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 will be emissions from equipment and trucks during construction as well as dust associated with project implementation.

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:
N/A

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, this aspect of the project is directly related to the Yakima River. The pump, crane, and their associated concrete pads will be placed near the shoreline. The NOAA Fisheries and WDFW compliant fish screen and bank protection riprap will be placed in the Yakima River and along its bank.

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, all work will occur within 200 feet of the Yakima River. There will be a M-1500 Pump-Rite fish screen installed to provide the adjudicated water rights and connected to the new pump station.

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.
A total of 21 cubic yards of 24 inch minus riprap will be used to prevent bank erosion and protect the associated irrigation infrastructure. No more than 7 cubic yards will be placed waterward of the ordinary high water mark. The rock material will be acquired from local rock quarries.

4) Will the proposal require surface water withdrawals or diversions? Give general description, purpose, and approximate quantities if known.
A total of 3.4 cfs of surface water will be pumped out of the Yakima River for irrigation of 192.5 acres as per the adjudicated water right. The point of diversion on Lmuma Creek has been transferred to the existing point of diversion on the Yakima River, resulting in diversion consolidation and trust water in Lmuma Creek.

5) Does the proposal lie within a 100-year floodplain? If so, note location on the site plan.
Yes, with the exception of the irrigation trenching, all aspects of the project will have some activity within the 100-year floodplain.

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.
N/A

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.
This project will not affect the natural stormwater flow. Since sprinklers already irrigate the property, there is little or no irrigation return flows currently. There is not expected to be any new or additional sources of stormwater associated with this project.

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:
Good farming practices

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
X Pasture
____ Crop or grain
X 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?
Some woods rose will be disturbed during the construction of the concrete pads. Most of the other vegetation within the project footprint is non-native grasses such as canary reed grass. The disturbed area will be reseeded with a suitable seed mix that will help stabilize the soils within the work site.

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:
All earthen areas adjacent to the watercourse that have been disturbed by this project are to be seeded with a suitable erosion control seed mix and may be protected from erosion with erosion control fabric.

a. Circle any birds and animals that 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.

Mid Columbia River Steelhead
Middle Columbia River Bull Trout
EFH for coho and Chinook salmon

c. Is the site part of a migration route? If so, explain.
Yes, the Yakima River is a migratory route for anadromous fish, bull trout, and the Columbia River Basin is a migratory route for birds.

d. Proposed measures to preserve or enhance wildlife, if any:
The proposed pump screen will prevent fish from injury and death caused by entrainment by the current intake on the irrigation system. The conserved water through the consolidation and trust water will enhance instream flows in Lmuma Creek and the fish in that stream. Lmuma Creek is the only tributary in this canyon reach of the Yakima River with a year round connection to the mainstem, providing invaluable rearing habitat for juvenile salmonids wishing to escape the high flows of the Yakima River. Riparian plantings and new fencing along Lmuma Creek will also enhance instream and riparian habitat.

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.
Electricity is currently available at the site to provide power for the existing pump. The new pump and crane will use this existing power source as well.

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:
N/A

7. **Environmental health**

a. Are there any environmental health hazards, including exposure to toxic chemicals, risk of fire and explosion, spill, or hazardous waste that could occur as a result of this proposal? If so, describe.
No

1) Describe special emergency services that might be required.
N/A

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

b. **Noise**

1) What types of noise exist in the area which may affect your project (for example: traffic, equipment, operation, other)?
Current noises from farming and traffic from the nearby highway will not affect the proposed project.

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.
There will be noise from construction equipment between the hours of 7 a.m. to 6 p.m. Monday through Friday.

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

Equipment will be shut down when not in use.

8. **Land and shoreline use**

a. What is the current use of the site and adjacent properties?
Irrigated pasture and hay production, state route 821 is also adjacent to the property.

b. Has the site been used for agriculture? If so, describe.
Yes – pasture and hay for cattle

c. Describe any structures on the site.
Two power poles, telephone pole, existing pump and irrigation infrastructure

d. Will any structures be demolished? If so, what?
Current irrigation infrastructure will be upgraded and retrofit to provide the proper stability for the new, compliant irrigation infrastructure.

e. What is the current zoning classification of the site?
AG - 20

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

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

h. Has any part of the site been classified as an "environmentally sensitive" area? If so, specify.
The project is located along the bank of the Yakima River.

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:
N/A

l. Proposed measures to ensure the proposal is compatible with existing and projected land uses and plans, if any:
Local, state, and federal regulatory agencies have been involved in the project planning and development.

9. **Housing**

a. Approximately how many units would be provided, if any? Indicate whether high, middle, or low-income housing.
None

b. Approximately how many units, if any, would be eliminated? Indicate whether high, middle, or low-income housing.
None

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?
The crane will be approximately 14 feet tall.

b. What views in the immediate vicinity would be altered or obstructed?
Structures already exist in the project area, but the new pump and crane along the shoreline will change the existing views.

c. Proposed measures to reduce or control aesthetic impacts, if any:
The new crane will be painted green to blend into the landscape.

11. **Light and glare**

a. What type of light or glare will the proposal produce? What time of day would it mainly occur?
Reflection off of sprinkler pipe and water in the air, impacts are expected to be minimal.

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:
None

12. **Recreation**

a. What designated and informal recreational opportunities are in the immediate vicinity?
Fishing and rafting along the Yakima River

b. Would the proposed project displace any existing recreational uses? If so, describe.
No, floaters in the river will have to avoid the fish screens in the water by passing further from the bank and irrigation infrastructure. The majority river users stay closer to the middle of the channel, so impacts are expected to be negligible.

c. Proposed measures to reduce or control impacts on recreation, including recreation opportunities to be provided by the project or applicant, if any:
If the crane remains over the river and attached to the fish screen during irrigation season, signs and flagging will be added to the area to prevent floaters from encroachment and possible danger associated with the irrigation infrastructure.

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.
NRCS completed consultation associated with NHPA Section 106. There are no known sites within the project area.

b. Generally describe any landmarks or evidence of historic, archaeological, scientific, or cultural importance known to be on or next to the site.
The area has been in agricultural production for several decades.

c. Proposed measures to reduce or control impacts, if any:
Monitoring by qualified personnel if requested by the appropriate regulators

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.
Site is accessed via State Route 821.

b. Is site currently served by public transit? If not, what is the approximate distance to the nearest transit stop?
No

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.
Recreational water transportation in rafts and fishing boats

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:
N/A

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.

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.
The pump and crane will be operated by electricity from Puget Sound Energy; infrastructure is currently available at the site.

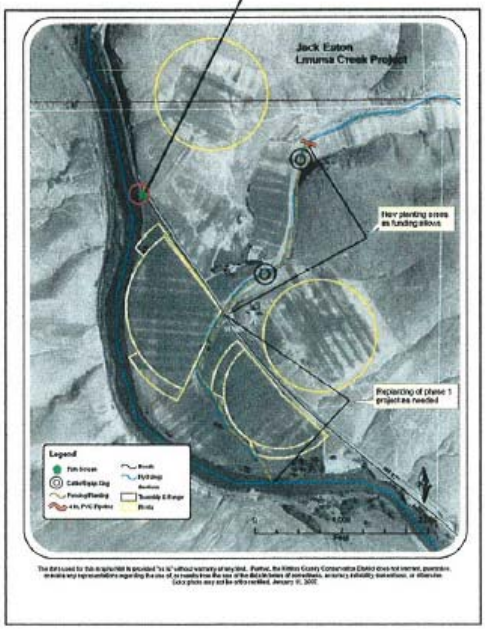
C. SIGNATURE

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: Original signed by: Jennifer Scott and is on file in the SEPA office. ..... (Scott)

Signature: Original signed by : Mark Crowley and is on file in the SEPA office .....(Crowley)

Date Submitted: April 26, 2007 .....



SR-821
.25 Mi. South of Wymer

Location
of activity site:

Latitude: 46-49-19 N
Longitude: 120-27-26 W

Location: NW Corner, Sec. 4,
T. 15 N., R. 19 E., W.M.

River Mile: 135.8

Nearest waterbody:
Yakima River

Immediate tributary:
Columboia River

Landmark name and location:
Wymer, WA.
Sec 33

Political jurisdiction:
Kittitas County, WA.

Name of and distance
to nearest town: Ellensburg
XX miles

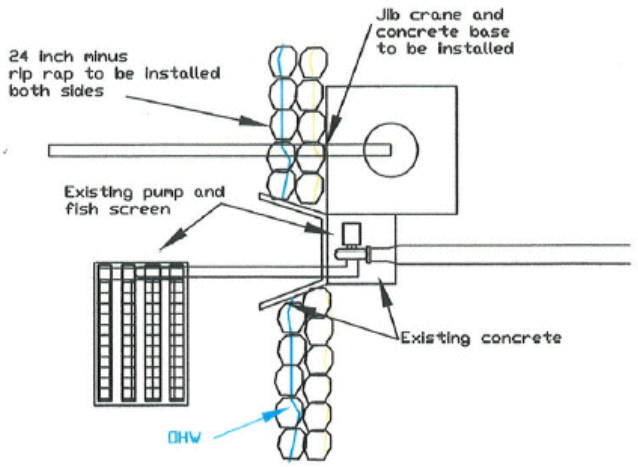
Total fill used for
project:
Earth = 0. CY
Rock = 21 CY
Total = 21 CY

Total fill waterward
of OHW for project:
Earth = 00 CY
Rock = 7 CY
Total = 7 CY

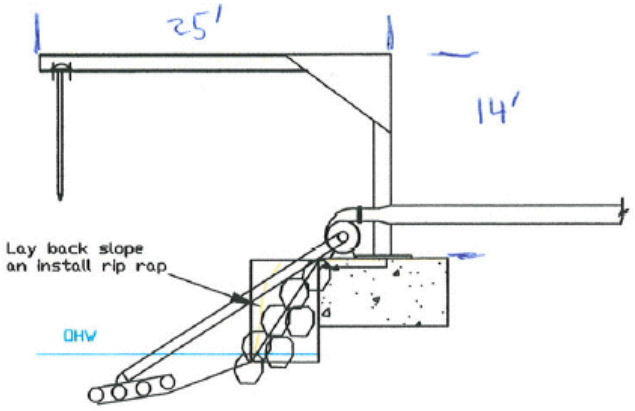
Total length of project
in which work will occur
waterward of OHWM. = 30 FT

Note. Preliminary
drawings for permit
use only.

YAKIMA RIVER IRRIGATION DIVERSION MODIFICATION PROJECT VICINITY MAP	CAD FILE NO. Yakima River.dwg DRAWING NO. Sheet 1 of 2	Designed RMH, PHC 4/07 Drawn RMH 4/07 Redrawn Approved
KITTITAS COUNTY CONSERVATION DISTRICT, KITTITAS COUNTY , WA.		



Plan View



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Scale in feet

Profile View

Note. Preliminary drawings for permit use only.

YAKIMA RIVER IRRIGATION DIVERSION MODIFICATION PROJECT PROJECT PLAN AND PROFILE	CAD FILE NO. YAKIMA RIVER.DWG DRAWING NO. SHEET 2 OF 2	Designed PHC RMH 4/07 Drawn RMH 4/07 Redrawn ____ ____ Approved ____
KITTITAS COUNTY CONSERVATION DISTRICT		