

## **SEPA ENVIRONMENTAL CHECKLIST**

### ***Purpose of checklist:***

Governmental agencies use this checklist to help determine whether the environmental impacts of your proposal are significant. This information is also helpful to determine if available avoidance, minimization or compensatory mitigation measures will address the probable significant impacts or if an environmental impact statement will be prepared to further analyze the proposal.

### ***Instructions for applicants:*** [\[help\]](#)

This environmental checklist asks you to describe some basic information about your proposal. Please answer each question accurately and carefully, to the best of your knowledge. You may need to consult with an agency specialist or private consultant for some questions. You may use "not applicable" or "does not apply" only when you can explain why it does not apply and not when the answer is unknown. You may also attach or incorporate by reference additional studies reports. Complete and accurate answers to these questions often avoid delays with the SEPA process as well as later in the decision-making process.

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.

### ***Instructions for Lead Agencies:***

Additional information may be necessary to evaluate the existing environment, all interrelated aspects of the proposal and an analysis of adverse impacts. The checklist is considered the first but not necessarily the only source of information needed to make an adequate threshold determination. Once a threshold determination is made, the lead agency is responsible for the completeness and accuracy of the checklist and other supporting documents.

### ***Use of checklist for nonproject proposals:*** [\[help\]](#)

For nonproject proposals (such as ordinances, regulations, plans and programs), complete the applicable parts of sections A and B plus the [SUPPLEMENTAL SHEET FOR NONPROJECT ACTIONS \(part D\)](#). Please completely answer all questions that apply and note that the words "project," "applicant," and "property or site" should be read as "proposal," "proponent," and "affected geographic area," respectively. The lead agency may exclude (for non-projects) questions in Part B - Environmental Elements –that do not contribute meaningfully to the analysis of the proposal.

#### **A. BACKGROUND** [\[help\]](#)

1. Name of proposed project, if applicable: [\[help\]](#) Division IV Uphill Road Grading From Milepost 32.3 to 33.3
2. Name of applicant: [\[help\]](#) Kennewick Irrigation District
3. Address and phone number of applicant and contact person: [\[help\]](#)

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4. Date checklist prepared: [\[help\]](#) July 17, 2023
5. Agency requesting checklist: [\[help\]](#) Kennewick Irrigation District
6. Proposed timing or schedule (including phasing, if applicable): [\[help\]](#)

The project is scheduled to start during the 2023-2024 irrigation offseason (October to April). The project is anticipated to be a multi-year project with work primarily occurring during the irrigation offseason. Duration will be based on KID staff availability.

7. Do you have any plans for future additions, expansion, or further activity related to or connected with this proposal? If yes, explain. [\[help\]](#)

No.

8. List any environmental information you know about that has been prepared, or will be prepared, directly related to this proposal. [\[help\]](#)

An Archaeological Survey Report was completed for the Kennewick Irrigation District Title Transfer Project. The report found no cultural resources identified within the Main Canal Division IV Canal Right-of-Way in which this project is located. An excerpt from this report has been attached as Appendix B.

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. [\[help\]](#)

No known applications for governmental approval are pending for this proposal.

10. List any government approvals or permits that will be needed for your proposal, if known. [\[help\]](#)

No approvals are required.

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.) [\[help\]](#)

The Division IV Uphill Road Grading project will consist of expansion of the existing uphill canal maintenance road and include excavation and stockpiling of materials and installation of a gravel road. The project will occur adjacent to approximately 1 mile of canal.

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. [\[help\]](#)

The project is located along a section of the Main Canal Division IV within the Kennewick, Washington. It will start east of the of the street crossing of S Olympia St and continue to the east to where the canal enters an inverted siphon. Some work will also be completed on the downslopes near the siphon entrance. The project is located in Sections 24, of Township 8 North, Range 29 East, Willamette Meridian. A map has been included to show the location of the proposed project (Appendices A).

**B. ENVIRONMENTAL ELEMENTS** [\[help\]](#)

**1. Earth**

a. General description of the site [\[help\]](#)  
(circle one): Flat, rolling, hilly, steep slopes, mountainous,  
other \_\_\_\_\_

b. What is the steepest slope on the site (approximate percent slope)? [\[help\]](#)

The existing maintenance road is generally flat. Uphill slopes are generally a 2:1 slope, however, there are areas of steeper slopes.

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 agricultural land of long-term commercial significance and whether the proposal results in removing any of these soils. [\[help\]](#)

According to the US Department of Agriculture, Natural Resources Conservation Service the soil in the site are classified as Warden Silt Loam (WdAB, WdC, WdD, WdE3 & WdF).

d. Are there surface indications or history of unstable soils in the immediate vicinity? If so, describe. [\[help\]](#)

None known.

e. Describe the purpose, type, total area, and approximate quantities and total affected area of any filling, excavation, and grading proposed. Indicate source of fill. [\[help\]](#)

The work area is approximately 6 acres. Grading will occur within the existing canal maintenance road on the uphill side of the canal. Material generated will be stockpiled. It is anticipated that approximately 20,290 cubic yards material will be stockpiled by the project. Approximately 550 cubic yards of gravel will be imported for the construction of this roadway.

f. Could erosion occur as a result of clearing, construction, or use? If so, generally describe. [\[help\]](#)

Yes. Grading of the site could result in minor occurrences of rill erosion on bare dirt surfaces during construction, if precipitation occurs. In addition, wind erosion can occur during construction, but will be kept to a minimum through use of erosion control best management practices.

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

No impervious surfaces will be constructed at the site.

h. Proposed measures to reduce or control erosion, or other impacts to the earth, if any: [\[help\]](#)

Appropriate best management practices will be employed to reduce erosion at the project site, as warranted.

## **2. Air**

a. What types of emissions to the air would result from the proposal during construction, operation, and maintenance when the project is completed? If any, generally describe and give approximate quantities if known. [\[help\]](#)

Fugitive dust would be expected to be present as a result of the grading activities that will occur as part of the proposed project. Diesel emissions would result from construction machinery.

b. Are there any off-site sources of emissions or odor that may affect your proposal? If so, generally describe. [\[help\]](#)

No.

c. Proposed measures to reduce or control emissions or other impacts to air, if any: [\[help\]](#)

Appropriate best management practices will be employed to reduce and control emissions to the air at the project site, as warranted.

## **3. Water**

a. Surface Water: [\[help\]](#)

- 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. [\[help\]](#)

There are no surface water bodies in the immediate vicinity of the site, beyond the man-made irrigation canal. The canal will eventually drain into the Columbia River.

- 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. [\[help\]](#)

Yes, work will occur adjacent to the constructed canal (see Appendices A). Work will consist of regrading and expanding the uphill road and will occur within the Canal Right-of-way.

- 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. [\[help\]](#)

No work will be completed within a body of water.

- 4) Will the proposal require surface water withdrawals or diversions? Give general description, purpose, and approximate quantities if known. [\[help\]](#)

Construction water will be taken from the in-canal storage.

5) Does the proposal lie within a 100-year floodplain? If so, note location on the site plan.

[\[help\]](#)

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. [\[help\]](#)

Very minor amounts of sediments and fuel/lubricants from heavy machinery could discharge into the dewatered canal. These sediments and wastes could be transported by irrigation water once irrigation season commences in spring. Best Management Practices will be used to contain all waste materials. Although possible, this is very unlikely due to the design of the road and construction methodology.

b. Ground Water:

1) Will groundwater be withdrawn from a well for drinking water or other purposes? If so, give a general description of the well, proposed uses and approximate quantities withdrawn from the well. Will water be discharged to groundwater? Give general description, purpose, and approximate quantities if known. [\[help\]](#)

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. [\[help\]](#)

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. [\[help\]](#)

Any potential water runoff (including stormwater) at the site will flow away from the canal where it will be captured in a drainage ditch and will either be retained on site or will flow into the drainage area at the inverted siphon. None of this water will enter other waters.

2) Could waste materials enter ground or surface waters? If so, generally describe. [\[help\]](#)

Minor waste materials could possibly enter ground waters as water infiltrates into the subsurface after spilled on the maintenance road. However, these waste materials will not enter the canal as the canal is lined with an impervious liner and the maintenance road is designed to slope away from the canal. Any potential spill will flow away from the canal where it will be captured in a drainage ditch and will either be retained on site or will flow into the drainage area at the inverted siphon.

- 3) Does the proposal alter or otherwise affect drainage patterns in the vicinity of the site? If so, describe.

The proposed project is to expand an existing maintenance road. The maintenance road will be sloped down towards the uphill side of the canal right-of-way, draining away from the canal.

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

As needed, best management practices will be used to reduce sedimentation and waste spills into the canal during project construction. Runoff, including from stormwater, is expected to be minimal with negligible impact post construction.

#### 4. Plants [\[help\]](#)

- a. Check the types of vegetation found on the site: [\[help\]](#)

☐ deciduous tree: alder, maple, aspen, other  
☐ evergreen tree: fir, cedar, pine, other  
☒ shrubs  
☒ grass  
☐ pasture  
☐ crop or grain  
☐ Orchards, vineyards or other permanent crops.  
☐ 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? [\[help\]](#)

Some grasses, shrubs and herbaceous weeds located in the canal right-of-way will be removed.

- c. List threatened and endangered species known to be on or near the site. [\[help\]](#)

None Known.

- d. Proposed landscaping, use of native plants, or other measures to preserve or enhance vegetation on the site, if any: [\[help\]](#)

The uphill slope will be hydroseeded with a native plant mix upon project completion.

- e. List all noxious weeds and invasive species known to be on or near the site.

None Known.

#### 5. Animals

- a. List any birds and other animals which have been observed on or near the site or are known to be on or near the site. Examples include: [\[help\]](#)

birds: hawk, heron, eagle, songbirds, other: Ducks  
mammals: deer, bear, elk, beaver, other: Townsend's Ground Squirrel  
fish: bass, salmon, trout, herring, shellfish, other \_\_\_\_\_

b. List any threatened and endangered species known to be on or near the site. [\[help\]](#)

No threatened or endangered species are known to occur on or near the site, but Townsend's ground squirrels could find suitable habitat in the open spaces nearby on the project location.

c. Is the site part of a migration route? If so, explain. [\[help\]](#)

The site is located within the greater Pacific Flyway, a major west coast bird migration route.

d. Proposed measures to preserve or enhance wildlife, if any: [\[help\]](#)

None.

e. List any invasive animal species known to be on or near the site.

None Known.

## **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. [\[help\]](#)

The site does not require energy.

b. Would your project affect the potential use of solar energy by adjacent properties?  
If so, generally describe. [\[help\]](#)

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: [\[help\]](#)

None.

## **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. [\[help\]](#)

None known.

1) Describe any known or possible contamination at the site from present or past uses.

None known.

- 2) Describe existing hazardous chemicals/conditions that might affect project development and design. This includes underground hazardous liquid and gas transmission pipelines located within the project area and in the vicinity.

None known.

- 3) Describe any toxic or hazardous chemicals that might be stored, used, or produced during the project's development or construction, or at any time during the operating life of the project.

None will be stored, used, or produced.

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

None.

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

None proposed.

#### **b. Noise**

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

Some traffic noise occurs, as well as noises associated with agriculture and residential properties.

- 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. [\[help\]](#)

During project construction, generated noise would be related to construction activities, such as heavy machinery noises. Such noise would occur during work day hours, from approximately 7AM to 5PM. Post construction, there would be no additional noise other than what is currently occurring.

- 3) Proposed measures to reduce or control noise impacts, if any: [\[help\]](#)

Work would occur during normal daytime working hours weekdays and occasional Saturdays, eliminating noise at night that may disturb area residents.

#### **8. Land and shoreline use**

- a. What is the current use of the site and adjacent properties? Will the proposal affect current land uses on nearby or adjacent properties? If so, describe. [\[help\]](#)

The site is currently an irrigation canal and an adjacent maintenance road. Adjacent properties include residential, agriculture and undeveloped.

- b. Has the project site been used as working farmlands or working forest lands? If so, describe. How much agricultural or forest land of long-term commercial significance will be converted to other uses as a result of the proposal, if any? If resource lands have not been designated, how



many acres in farmland or forest land tax status will be converted to nonfarm or nonforest use?

[\[help\]](#)

No existing land use will be changed.

- 1) Will the proposal affect or be affected by surrounding working farm or forest land normal business operations, such as oversize equipment access, the application of pesticides, tilling, and harvesting? If so, how:

The project will not affect farm or forest business operations.

- c. Describe any structures on the site. [\[help\]](#)

No structures are located on the site.

- d. Will any structures be demolished? If so, what? [\[help\]](#)

No.

- e. What is the current zoning classification of the site? [\[help\]](#)

The Canal Right-of-way is zoned Urban Growth Area. The properties adjacent are zoned Rural Lands 5, Urban Growth Area and Residential Single Family.

- f. What is the current comprehensive plan designation of the site? [\[help\]](#)

The Canal Right-of-way is designated Urban Growth Boundary. The properties adjacent are designated Rural Lands 5, Urban Growth Area and Low Density Residential.

- g. If applicable, what is the current shoreline master program designation of the site? [\[help\]](#)

Not applicable.

- h. Has any part of the site been classified as a critical area by the city or county? If so, specify. [\[help\]](#)

Parts of the site have been classified as a geologically hazardous area by Benton County.

- i. Approximately how many people would reside or work in the completed project? [\[help\]](#)

None.

- j. Approximately how many people would the completed project displace? [\[help\]](#)

None.

- k. Proposed measures to avoid or reduce displacement impacts, if any: [\[help\]](#)

None proposed.

- L. Proposed measures to ensure the proposal is compatible with existing and projected land uses and plans, if any: [\[help\]](#)

The proposed project will consist of maintaining and upgrading existing irrigation facilities and will be compatible with existing and projected land uses and plans.

- m. Proposed measures to ensure the proposal is compatible with nearby agricultural and forest lands of long-term commercial significance, if any:

None.

## **9. Housing**

- a. Approximately how many units would be provided, if any? Indicate whether high, middle, or low-income housing. [\[help\]](#)

None.

- b. Approximately how many units, if any, would be eliminated? Indicate whether high, middle, or low-income housing. [\[help\]](#)

None.

- c. Proposed measures to reduce or control housing impacts, if any: [\[help\]](#)

None.

## **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? [\[help\]](#)

No structures are proposed.

- b. What views in the immediate vicinity would be altered or obstructed? [\[help\]](#)

None.

- c. Proposed measures to reduce or control aesthetic impacts, if any: [\[help\]](#)

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? [\[help\]](#)

Some light may be produced by lighting provided if work at dawn/dusk is required to complete the project. Some glare from the windows/mirrors on the equipment may be present during the daytime hours.

b. Could light or glare from the finished project be a safety hazard or interfere with views? [\[help\]](#)

No.

c. What existing off-site sources of light or glare may affect your proposal? [\[help\]](#)

None.

d. Proposed measures to reduce or control light and glare impacts, if any: [\[help\]](#)

None proposed.

## 12. Recreation

a. What designated and informal recreational opportunities are in the immediate vicinity? [\[help\]](#)

Some unauthorized recreational use of the existing canal road occurs at the site. This mostly consists of walkers, with occasional use by horseback riders and bicyclists.

b. Would the proposed project displace any existing recreational uses? If so, describe. [\[help\]](#)

No.

c. Proposed measures to reduce or control impacts on recreation, including recreation opportunities to be provided by the project or applicant, if any: [\[help\]](#)

None proposed.

## 13. Historic and cultural preservation

a. Are there any buildings, structures, or sites, located on or near the site that are over 45 years old listed in or eligible for listing in national, state, or local preservation registers located on or near the site? If so, specifically describe. [\[help\]](#)

The Kennewick Irrigation District Main Canal Division IV has been determined eligible for listing.

b. Are there any landmarks, features, or other evidence of Indian or historic use or occupation? This may include human burials or old cemeteries. Are there any material evidence, artifacts, or areas of cultural importance on or near the site? Please list any professional studies conducted at the site to identify such resources. [\[help\]](#)

None known.

[Archaeological Survey Report for the Kennewick Irrigation District Title Transfer Project, Benton County, Washington covers this area. See Appendix B.](#)

c. Describe the methods used to assess the potential impacts to cultural and historic resources on or near the project site. Examples include consultation with tribes and the department of archeology and historic preservation, archaeological surveys, historic maps, GIS data, etc. [\[help\]](#)

Consultation with the Dept. of Archaeology and Historic Preservation Searchable Database.

[Archaeological Survey Report for the Kennewick Irrigation District Title Transfer Project, Benton County, Washington covers this area. See Appendix B.](#)

- d. Proposed measures to avoid, minimize, or compensate for loss, changes to, and disturbance to resources. Please include plans for the above and any permits that may be required.

Stop in the location that evidence is uncovered and notify the proper authorities.

Follow the KID Inadvertent  
Discovery Plan.

#### 14. Transportation

- a. Identify public streets and highways serving the site or affected geographic area and describe proposed access to the existing street system. Show on site plans, if any. [\[help\]](#)

S Olympia St provides access to the site.

- b. Is the site or affected geographic area currently served by public transit? If so, generally describe. If not, what is the approximate distance to the nearest transit stop? [\[help\]](#)

The site is not served by public transit. The nearest transit stop is approximately 0.4 miles away.

- c. How many additional parking spaces would the completed project or non-project proposal have? How many would the project or proposal eliminate? [\[help\]](#)

None.

- d. Will the proposal require any new or improvements to existing roads, streets, pedestrian, bicycle or state transportation facilities, not including driveways? If so, generally describe (indicate whether public or private). [\[help\]](#)

No. The project will not require improvements to public roads.

- e. Will the project or proposal use (or occur in the immediate vicinity of) water, rail, or air transportation? If so, generally describe. [\[help\]](#)

No.

- f. How many vehicular trips per day would be generated by the completed project or proposal? If known, indicate when peak volumes would occur and what percentage of the volume would be trucks (such as commercial and nonpassenger vehicles). What data or transportation models were used to make these estimates? [\[help\]](#)

None.

- g. Will the proposal interfere with, affect or be affected by the movement of agricultural and forest products on roads or streets in the area? If so, generally describe.

No.

- h. Proposed measures to reduce or control transportation impacts, if any: [\[help\]](#)

None.

**15. Public services**

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

No.

- b. Proposed measures to reduce or control direct impacts on public services, if any. [\[help\]](#)

None proposed.

**16. Utilities**

- a. Circle utilities currently available at the site: [\[help\]](#)  
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. [\[help\]](#)

None.

**C. SIGNATURE [\[HELP\]](#)**

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: \_\_\_\_\_

Name of signee Daniel Tissell

Position and Agency/Organization Engineering Manager

Date Submitted: 7/18/2023



# Appendix A

STA 1700+30  
Olympia Street

5,720 LF

STA 1757+50  
Olympia Siphon

23-08-29

24-08-29

19-08-30

26-08-29

25-08-29

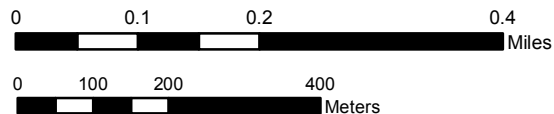
30-08-30

## KID Main Canal Division IV, Olympia Street to Olympia Siphon Canal Lining

Location: Section 24, Township 8, Range 29 East

### Legend

- Canal Lateral
- Proposed Lining
- Access Road



Map Created: 12/16/2013  
Created by: Mike Frey  
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# **Archaeological Survey Report for the Kennewick Irrigation District Title Transfer Project, Benton County, Washington**



Submitted to:

**Kennewick Irrigation District**

Prepared by:

**James J. Sharpe and David Harvey, Northwest Cultural Resources Services**

**September 2021**



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**Figure 13. Overview of KID Main Canal Division III east of South Badger Canyon Road, Aspect: East**

In total, approximately 59.48 ha (147 ac) of the 71.08 ha (175.65 ac) waterway (83%) were surveyed for CRs. Aside from contemporary items and debris, no other CRs were identified during the survey (Table 24).

**Table 24. Division III - Cultural Resources Identified**

KID Survey Location	Date	Cultural Resources Identified
Division III	February 4, 2021	None
Division III	February 5, 2021	None
Division III	March 6, 2021	None
Division III	March 11, 2021	None
Division III	March 12, 2021	None
Division III	March 16, 2021	None
Division III	March 19, 2021	None
Division III	March 20, 2021	None
Division III	March 23, 2021	None
Division III	April 14, 2021	None

#### 7.1.4 Division IV

The Kennewick Main Canal Division IV was surveyed on March 2, 5, 8, 10, 16, and 18, 2021. Field conditions were variable (sunny to overcast), with high temperatures ranging between approximately 1.5°C (35°F) and approximately 18°C (65°F). Spring winds and light rain showers were prevalent during

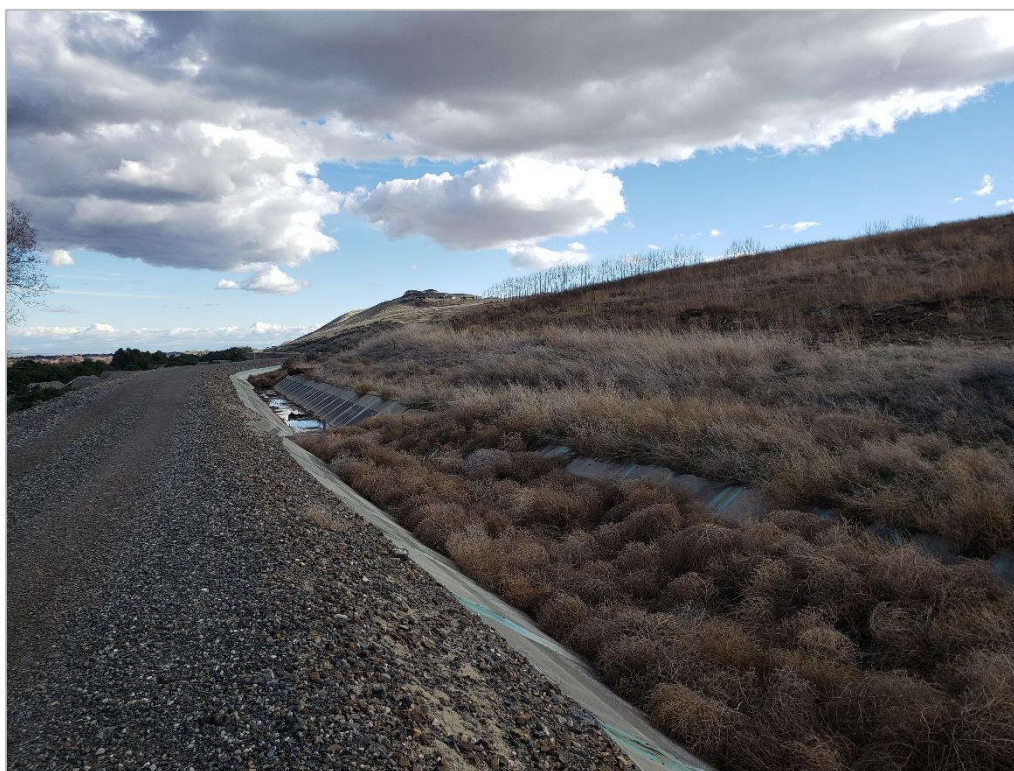


the survey. Both the “A” and “B” roads were surveyed starting at the western end of Division IV, heading east toward the start of the Hover Wasteway. Both sides of the canal consisted of gravel access/maintenance roads bordered by shrub steppe desert or agricultural land. Several sand cutbanks along the canal roads consisting of light brown, fine-grained sands and silts were examined during the survey. Modern debris and trash (e.g., modern food and beverage containers/wrappers, grocery bags, and mylar celebration balloons) were observed throughout the Project APE. Figures 14 through 17 show typical landscapes throughout Division IV.

In total, approximately 117.70 ha (290.86 ac) of the 123.90 ha (306.17 ac) waterway (95%) were surveyed for CRs. Aside from contemporary items and debris, no other CRs were identified during the survey (Table 25).

**Table 25. Division IV - Cultural Resources Identified**

KID Survey Location	Date	Cultural Resources Identified
Division IV	March 2, 2021	None
Division IV	March 5, 2021	None
Division IV	March 8, 2021	None
Division IV	March 10, 2021	None
Division IV	March 16, 2021	None
Division IV	March 18, 2021	None



**Figure 14. Overview of KID Main Canal Division IV at Turnout 25.8, Aspect: East**



Figure 15. Overview of KID Main Canal Division IV at Turnout 31.5, Aspect: Northwest



Figure 16. Overview of KID Main Canal Division IV at Turnout 37.6, Aspect: Southeast





Figure 17. Overview of KID Main Canal Division IV near Meals Road, Finley, Aspect: Northwest

7.2 Hover Wasteway

The Hover Wasteway was surveyed on April 28, 2021. Field conditions were sunny with high temperatures reaching approximately 24°C (75°F). Heat caused humid conditions during the survey.

The Hover Wasteway was surveyed starting at Meals Road, heading east to the wasteway outlet near the Columbia River. The survey began on the south side of the wasteway and continued until reaching a fence where the wasteway meets a modern orchard, restricting access to the wasteway. The survey resumed at Meals Road on the north side of the wasteway, continuing through the orchard to the wasteway outlet. The western portion of the wasteway crossed through shrub steppe desert, with bicycle and animal paths crisscrossing the terrain. The wasteway then bisected a modern orchard where both sides of the wasteway consisted of gravel or dirt orchard roads bordered by cultivated fruit trees. Several sand cutbanks along the orchard roads consisting of medium-brown, fine- to medium-grained sands and silts were examined during the survey. Modern items related to the orchard (e.g., equipment, irrigation pipes, warehouse buildings) were observed throughout the Project APE. Figures 18 and 19 show typical landscapes found throughout the Hover Wasteway.

In total, approximately 3.86 ha (9.54 ac) of the 5.14 ha (12.72 ac) waterway (75%) were surveyed for CRs. Aside from contemporary items and debris, no other CRs were identified during the survey (Table 26).

Table 26. Hover Wasteway - Cultural Resources Identified

KID Survey Location	Date	Cultural Resources Identified
Hover Wasteway	April 28, 2021	None