

Appendix E.1

Additional Supporting Information for Cultural Resources

Some documents included in this are provided as they were originally produced and may not fully comply with Section 508 of the Rehabilitation Act. These materials include third-party reports, historical documents, maps, and technical drawings that cannot be readily converted into accessible formats.

Upon request, the Natural Resources Conservation Service will provide reasonable accommodations or accessible alternatives for individuals with disabilities. To request assistance, please contact Gary Diridoni, gary.diridoni@usda.gov, (503) 414-3092 within a reasonable time frame.

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Consulting Party Correspondence



United States Department of Agriculture



State Office

1201 NE Lloyd Blvd.,
Suite 900
Portland, OR 97232
503.414.3212

16 MAY 2022

SHPO Compliance
State Historic Preservation Office
725 Summer Street, NE, Suite C
Salem, Oregon 97301-1226

**RE: Central Oregon Irrigation District Pilot Butte Canal
Pipeline Project**

Hello,

As lead federal agency for this undertaking, NRCS has reviewed the enclosed Area of Potential Effect (APE) prepared by Archaeological Investigations Northwest, Inc., on behalf of Parametrix, Inc., for the COID regarding the Pilot Butte Canal Pipeline Project. NRCS believes that this APE captures the scope of work adequately and considers all potential effects to Historic Properties within the APE. If you have any questions or comments regarding the enclosed APE for this project. Please do not hesitate to contact me at Michael.Petrozza@usda.gov or (503)414-3212.

Sincerely,

A handwritten signature in black ink, appearing to read "Michael Petrozza".

Michael Petrozza
Archaeologist, NRCS Oregon State Cultural Resources Specialist

CC: Shane Phelps, Parametrix, Inc.
Jo Reese, AINW
John L. Fagan, AINW

OR SHPO SUBMITTAL FORM

RESPONSE REQUIRED IN ALL SECTIONS

EISX-005-53-000-1769089867

WHY

This submittal is (Select One) ☒ the First Initiation of Consultation and no SHPO Case # exists
☐ a Response to SHPO Request for more information on existing SHPO Case # provided below
☐ New Information for review on existing SHPO Case # provided below
 Existing SHPO Case #

WHAT

Your Project Name
Your Project Number
Extremely Brief Project/Undertaking Description

WHERE

Project Location
County(s)
Street Address City
OR Legal Description T/R/S
OR Long/Lat (decimal degrees to 4 decimal places) Long Lat

WHO RECEIVES CORRESPONDENCE FROM THE SHPO

If not the Formal Contact, the Working Project Contact is who the SHPO communicates with for more information about the project and/or submittal package

Formal Contact		Working Project Contact (cc'd on all correspondence to Formal Contact)	
Name	Michael Petrozza	Name	Shane Phelps
Org	USDA-NRCS	Org	Parametrix, Inc.
Address	1201 NE Lloyd Blvd.	Address	700 NE Multnomah St
Address	Suite 900	Address	Suite 1000
City/ST/Zip	Portland, OR 97232	City/ST/Zip	Portland, OR 97232
Phone	(503)414-3212	Phone	(503)416-6123
Email	Michael.Petrozza@usda.gov	Email	sphelps@parametrix.com

HOW

Is there a federal nexus for the project (funding, permitting, licensing, etc.)? ☒ Yes ☐ No
Ownership of Project Land? ☒ Private ☐ Public ☐ Both

Additional Comments (Optional)

SUBMITTED TO SHPO FOR

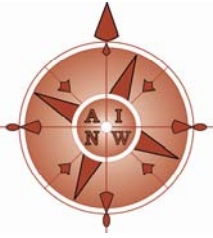
- ☐ Built Environment Review
☐ Archaeology Review
☒ Both Built and Archaeology Review

SUBMITTAL EMAIL ACCOUNT

ORSHPO.Clearance@oregon.gov

ADDITIONAL ATTACHMENTS (Select All that Apply & Attach Individually)

- ☒ Cover Letter
☐ Map(s) (Required for Archaeology if not included in a Report)
☐ Oregon SHPO Clearance Form (Built Environment)
☐ 106 Documentation Form (Built Environment)
☐ Built Environment Only Report
☐ Archaeology Report INCLUDING State of Oregon Report Cover Sheet
☐ Combined Arch & Built Report INCLUDING State of Oregon Report Cover
☐ Sheet BLM or USFS Archaeology Site Record(s) # Individually Attached
☐ Spatial Data
☒ Other 1 (Name It)
☐ Other 2 (Name It)
☐ Other 3 (Name It)



Archaeological Investigations Northwest, Inc.

3510 N.E. 122nd Ave. • Portland, Oregon 97230
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February 25, 2022

Mike Petrozza
Natural Resources Conservation Service, United States Department of Agriculture
1201 NE Lloyd Blvd
Suite 900
Portland, OR 97232

Subject: Central Oregon Irrigation District Pilot Butte Canal Pipeline Project
Request for Review of APE

Dear Mike,

The Central Oregon Irrigation District is seeking approval of the proposed Area of Potential Effects (APE) for its pipeline project of the Pilot Butte Canal between Bend and Redmond, Deschutes County, Oregon. Portions of the canal are currently open, and the project will address water loss in District conveyance systems, and water delivery and operation and maintenance inefficiencies. The project plans to replace the existing open portion of the canal with a closed conduit pipeline system. The project has three alignment options, and these are described in the proposed APE, attached.

The project will include mobilization and staging of construction equipment, delivery of piping to construction areas, excavation of trenches, fusing of pipelines, placement of pipe, compaction of backfill, and restoration and reseeding of the disturbed areas. Construction is proposed within the existing 30- to 60-m (100- to 200-ft) wide canal easement and within Deschutes County right-of-way. Staging areas have been proposed adjacent to the APE, but have not been finalized.

This letter is to provide information regarding the extent of the APE and to seek approval of the APE. Enclosed for your review is a description of the proposed APE for the project. Maps and aerial overviews of the project are included in the document. Once the APE is approved, AINW, on behalf of Parametrix, Inc. and the Central Oregon Irrigation District, will proceed with a cultural resource survey of the project.

Sincerely,

Carmen Sarjeant

CC: Shane Phelps, Parametrix, Inc.
Jo Reese, AINW
John L. Fagan, AINW

**CENTRAL OREGON IRRIGATION DISTRICT
PILOT BUTTE CANAL PIPELINE PROJECT
Area of Potential Effects (APE) Elements**

Vicinity map, Section/Township/Range, proximity to local landmarks, towns, etc.

A vicinity map for the project (Figure 1) and detailed maps of the APE (Figures 2 through 6) are attached. Descriptions and points of interest are listed below.

- The APE is located in Deschutes County, Oregon. The APE is within Sections 34 and 35 in Township 14 South, Range 13 East; Sections 3, 4, 9, 10, 16, 20, 21, 29, 30, and 31 in Township 15 South, Range 13 East; Section 6 in Township 16 South, Range 13 East; Sections 1, 11, 12, 14, 23, 26, 34, and 35 in Township 16 South, Range 12 East; and Sections 10, 15, 21, 22, 28, and 29 in Township 17 South, Range 12 East of the Willamette Meridian.
- The APE is centered on the Pilot Butte Canal and is approximately 28 kilometers (km) (17 miles [mi]) long, from Riverview Park at the Deschutes River, west of Division Street in Bend, to NE Yucca Avenue, northeast of Redmond.
- The APE follows the existing Pilot Butte Canal, except for the three options in Sections 10 and 15 of Township 17 South, Range 12 East, where the Pilot Butte Canal (Cooley Road – Yeoman Road segment) is a listed National Register of Historic Places (NRHP) Historic District and is a Goal 5 resource (Figures 2 and 3).
 - The Pilot Butte Canal Alignment option (Purple on Figures 2 and 3) would replace the open channel with pipe directly within the existing open channel alignment. This alignment option would be built wholly within the NRHP-listed section of canal would be approximately 2.4 km (1.5 mi) long.
 - The Old Deschutes Market Road option (Green on Figures 2 and 3) would place pipe in a new alignment beginning at intersection of the existing alignment and Yeoman Road. It would travel east along Yeoman Road and then turn northeast to follow Old Deschutes Market Road. Following Old Deschutes Market Road, the alignment would travel generally north, crossing the existing Pilot Butte Canal until the terminus of Old Deschutes Market Road. At the road's northern terminus, the alignment would then generally travel northeast across undeveloped land until making an approximate 90 degree turn to follow an alignment that extends from near the eastern terminus of Cooley Road to the southern terminus of the existing piped portion of the canal. This alignment option would be approximately 2.3 km (1.4 mi) long.
 - The NE 18th Street Alignment option (Red on Figures 2 and 3) would place pipe in a new alignment beginning at intersection of the existing alignment and Yeoman Road. It would travel west and then turn north to follow NE 18th Street. Following NE 18th Street, the alignment would travel generally north until the intersection of NE 18th Street and Cooley Road. At Cooley Road, the alignment option would take an approximate 90 degree turn to follow an alignment that extends from near the eastern terminus of Cooley Road to the southern terminus of the existing piped portion of the canal. The portion of the alignment from

Cooley Road would be identical to that of the Old Deschutes Market Road alignment. The NE 18th Street option would be approximately 3.1 km (1.9 mi) long.

- The Old Deschutes Market Road and NE 18th Street Alignment options would avoid impacts to a portion of Pilot Butte Canal that is listed on the NRHP.
- The APE excludes already piped sections of the canal to the northeast of Bend, and where the canal intersects and adjacent to Highway 97 to the north of, south of, and in Redmond (in Sections 3, 9, 16, and 21 in Township 15 South, Range 13 East; Sections 26 and 34 in Township 16 South Range 12 East; and Sections 3 and 10 in Township 17 South, Range 12 East, Willamette Meridian).
- The APE construction easement for the pipeline ranges between 30 and 60 meters (m) (100 and 200 feet [ft]) wide, and is 308 acres. Existing ditch rider roads within the APE will be used to access the canal.
- Portions of the APE are in urban areas of Bend and Redmond as well as in undeveloped areas between the two cities and northeast of Redmond (Figures 1 and 2).
- The APE is located on the northern edge of the High Lava Plains, close to the transition to the High Cascades, Columbia Basin, Blue Mountains, and Basin and Range physiographic provinces. The southern limit of the APE is adjacent to the Deschutes River. The soil mapped for the APE is Deschutes sandy loam; Stukel loam; Deskamp, Fremkle, Houstake, Statz, Tumalo and Wanoga ashy sandy loams; Gosney stony ashy loamy sand; and rock outcrops (U.S. Department of Agriculture, Natural Resources Conservation Service 2022). These soils are typically shallow with tuff or basalt bedrock between 36 and 76 centimeters (cm) (14 and 30 inches [in]) below the surface.

Information on known staging areas or pit sites that will be used

Staging of materials and equipment is planned to occur within the proposed APE or on parcels adjacent to the APE (Figures 2 through 6). Fifteen staging areas under consideration, totaling 136 acres, are proposed adjacent to the APE, *and are not included in the current APE*. The cultural resource survey will not include these proposed staging areas. A background review for the staging areas will be provided in the archaeological resource survey report. Once the staging areas are finalized, they will be surveyed.

Results of database searches

The Oregon Archaeological Records Remote Access (OARRA) was reviewed for previously conducted cultural resource studies and previously recorded archaeological resources within the APE. The Pilot Butte Canal is a historic resource within the APE. The Purple option for the APE on Figure 3 follows the NRHP-listed segment of the Pilot Butte Canal (Hall and Kliewer 2014).

Small portions of the APE have been previously surveyed (Bland et al. 2005; Connolly 1996; Fagan et al. 2013; Follansbee 1976; Fulton and Fulton 1999; Helzer 2004; Henrickson 2003a, 2003b; McAlister and Connolly 2019; Sharp 1997; Sharp et al. 1998; Silvermoon 1990; Wopschall 2014). Six of these studies identified cultural resources within 100 m (238 ft) of the APE, and are described below. Northeast of the APE, AINW conducted a survey of the canal, and identified no archaeological resources (Johnson and Fagan 2020).

Ten archaeological sites are within 100 m (328 ft) of the APE:

- Site 35DS1934 is the Oregon Trunk Railway that intersects the southern portion of the APE. The site was recommended to be eligible for listing in the NRHP (Sharp 1997; Sharp et al. 1998).
- Site 35DE2577 is a segment of the Old Pilot Butte Canal than extends south of the southern portion of the APE. The site is unevaluated for listing in the NRHP (Wopschall 2014).
- Site 35DS1619 consists of historic-period structures, including a rock wall and wooden enclosure, near where the APE intersects OR 97. The site is unevaluated for listing in the NRHP (Henrickson 2003b).
- Site 35DS1736 is the Redmond Homestead along OR 97 in Redmond is adjacent to the APE. The site contained early twentieth century artifacts, and is unevaluated for listing in the NRHP (Bland et al. 2005).
- North of the piped section of the canal, 50 m (164 ft) east of APE, two historic-period can scatters (sites 35DS1931 and OR-05-267) were identified. Site 35DS1931 was recommended to be not eligible for listing in the NRHP, and site OR-05-267 is unevaluated (Christy 2008; Thomas 1983).
- Pre-contact sites 35DS1620 and 35DS1959 are 100 m (328 ft) east of the APE near where the APE intersects OR 97. Testing has been conducted, and both sites were recommended to be eligible for listing in the NRHP (Edwards 2004).
- The historic-period Empire Avenue Lateral Canal (35DS2305), 100 m (328 ft) west of the southern portion of the APE, is unevaluated for listing in the NRHP (Horne and Tonsfeldt 2012).
- The Huntington's Wagon Road is also shown on OARRA immediately east of the Green APE option on Old Deschutes Market Road.
- Two pre-contact and four historic-period isolated artifacts have also been recorded adjacent to the APE (Bland et al. 2005; Edwards 2004; Lipscomb 1992).

Proposed Cultural Resource Survey Methods

A cultural resource survey will be conducted for the project. The historic resources survey will be conducted by George Kramer, and AINW will conduct the archaeological survey.

The cultural resource survey will consist of a pedestrian survey to identify and document historic and archaeological resources. Shovel testing will be conducted in areas where an archaeological resource is likely.

- A pedestrian survey of transects spaced no more than 15 m (49 ft) apart is planned for the APE. If artifacts are identified during the fieldwork, they will be photographed and documented, but not collected.

- Shovel tests will be 30 cm (12 in) in diameter and will be excavated by hand to a minimum depth of 50 cm (20 in) below the surface. If areas are encountered that may have deep soil deposits, selected shovel tests may be augured to 200 cm (80 in) below the surface to test for the presence of deeply buried archaeological resources. Excavated soils will be screened using nested 6.4- and 3.2-millimeter (¼- and ⅛-in) mesh hardware cloth. If artifacts are identified during the shovel testing on private land, they will be photographed and documented, but not collected. If artifacts are identified during shovel testing on non-federal public land, they will be collected under an Oregon SHPO permit.
 - The 50-cm determination depth was chosen because previous testing and evaluation at nearby sites 35DS1620 and 35DS1959 identified the greatest density of cultural material between the surface and 40 cm (16 in) below the surface. Below 50 cm (20 in), the soils are reportedly extremely compact with basalt boulders, although some cultural deposits continued to a depth of 70 cm (28 in) below the surface (Edwards 2004). Other studies within 1.6 km (1 mi) of the APE identified cultural materials during subsurface testing in the upper 50 cm (20 in) (Fagan et al. 2013; Gray and Tonsfeldt 2009).
- A historic resource survey report and an archaeological survey report will be prepared.

Simple plan showing the scope of work

Please see Figures 2 through 6 showing the project APE, which will include all areas within which ground-disturbing activities will occur. The proposed staging areas are not finalized, and are not within the current APE.

Potential visual or noise impacts

Potential for visual or noise impacts would be assessed in the vicinity of historic properties.

Areas of ground disturbance, plus rough estimates of excavation

Construction will include mobilization and staging of construction equipment, delivery of piping to construction areas, excavation of trenches, fusing of pipelines, placement of pipe, compaction of backfill, and restoration and reseeding of the disturbed areas. Excavation will be up to 6 m (20 ft) deep along the proposed length of the 28 km (17 mi) to be piped. Construction will take place within the existing 30- to 60-m (100- to 200-ft) wide canal easement for the primary alignment and for the Pilot Butte Canal Alignment option. Construction will take place within Deschutes County right-of-way for the Old Deschutes Market Road Alignment and NE 18th Street Alignment options. The existing ditch rider roads will be used for access.

The Central Oregon Irrigation District is considering several pipe materials for the high-pressure pipes, ranging from 274 to 335 cm (108 to 132 in) in diameter. Pipe installation would require storage areas for pipe, construction equipment, and other materials. Areas that have been previously disturbed and that are accessible through existing access routes will be used when possible. Staging areas have been proposed adjacent to the APE, but have not been finalized.

References

- Bland, Richard L., Christopher L. Ruiz, and Thomas J. Connolly
 2005 *Report of Exploratory Archaeological Survey at the Redmond Reroute Project, Deschutes County (ODOT Key #13940)*. University of Oregon Museum of Natural & Cultural History Report No. 2005-231. Submitted to Oregon Department of Transportation, Salem.
- Christy, Steve
 2008 *Oregon Cultural Resources Survey Report for the Federal Land Transaction Facilitation Act Project, Redmond, Oregon*. Bureau of Land Management Report No. 05050600462P, Prineville, Oregon.
- Connolly, Thomas J.
 1996 *Archaeological Survey of the Peterson Rock Garden Material Source, Deschutes County*. University of Oregon Museum of Natural & Cultural History Report. Submitted to Oregon Department of Transportation, Salem.
- Edwards, Ian
 2004 *Test Excavations at Sites 35DS1620 and 35DS1659, Bridge 01675B, Pilot Butte Canal, US 97, mp. 129.72, Deschutes County, Oregon*. University of Oregon Museum of Natural & Cultural History Report. Submitted to Oregon Department of Transportation, Salem.
- Fagan, John L., Andrea Blaser, and Sara Davis
 2013 *US 97 Bend North Corridor Solutions: Final Archaeological Resources Technical Report*. Archaeological Investigations Northwest, Inc. Report No. 2499. Prepared for Oregon Department of Transportation, Region 4, Deschutes County, Oregon.
- Follansbee, Julia
 1976 *Report on Archaeological Resources Bend Area Sewerage Facilities Plan Deschutes County, Oregon*. On file, State Historic Preservation Office, Salem, Oregon.
- Fulton, Terri P., and Philip A. Fulton
 1999 *Supplemental Site Investigations for the FTV Western Build, Oregon*. Northwest Archaeological Associates, Inc. Prepared for Touch America, Inc., and David Evans & Associates, Inc., Seattle, Washington.
- Gray, Dennis J., and Ward Tonsfeldt
 2009 *Canal Construction on The High Lava Plains: Testing and Mitigation of Site 35DS1929, Deschutes County, Oregon*. Prepared by East Slope Cultural Services, Inc., Bend, Oregon. Prepared for David Evans and Associates, Bend, Oregon.
- Hall, Michael A., and Patricia A. Kliewer
 2014 *National Register of Historic Places Nomination Form for the Pilot Butte Canal Historic District*. On file, State Historic Preservation Office, Salem, Oregon.
- Helzer, Margaret M.
 2004 *Archaeological Survey (Phase I) of Maple-Negus Project, Deschutes County*. University of Oregon Museum of Natural & Cultural History Report. Submitted to Oregon Department of Transportation, Salem.

Henrickson, Suzann

2003a *Archaeological Survey of Bridge 08888 (North Unit Canal and Swalley Canal, US 97, at MP 136.5), Deschutes County, Oregon*. University of Oregon Museum of Natural & Cultural History Report. Submitted to Oregon Department of Transportation, Salem.

2003b *Bridge 01675B (Pilot Butte Canal, US 97, milepoint 129.72), Deschutes County, Oregon*. University of Oregon Museum of Natural & Cultural History Report. Submitted to Oregon Department of Transportation, Salem.

Horne, Stephen, and Ward Tonsfeldt

2012 *Cultural Resources Survey: 2012 Transportation Improvement Projects Transportation Go Bond Program, City of Bend, Oregon*. Prepared by Basin and Range Heritage Consultants, Terrabonne, Oregon. Prepared for HDR, Inc., Bend, Oregon

Johnson, Meghan, and John L. Fagan

2020 *Archaeological Survey for the Central Oregon Irrigation District Piping Project, Deschutes County, Oregon*. Archaeological Investigations Northwest, Inc. Report No. 4442. Prepared for Central Oregon Irrigation District, Redmond, Oregon.

Lipscomb, Christine K.

1992 *Bend Pine Nursery's Yeoman Field Survey Cultural Resource Inventory Report*. Prepared by Bend Ranger District, Deschutes National Forest, Oregon.

McAlister, Kaylon, and Thomas Connolly

2019 *US 97: Redmond-Bend Survey, Deschutes County (ODOT Key 20357)*. University of Oregon Museum of Natural & Cultural History Report 2019-043. Submitted to Oregon Department of Transportation, Salem.

Sharp, Nancy D.

1997 *Cultural Resources Inventory of the Proposed FTV Western Build Part 1: Oregon, Preliminary Report*. Northwest Archaeological Associates, Inc., Seattle, Washington. Prepared for Touch America, Inc., and David Evans & Associates, Inc., Seattle, Washington.

Sharp, Nancy D., Terri P. Fulton, Philip A. Fulton, and Kenneth E. Juell

1998 *Cultural Resources Inventory of the Proposed FTV Western Build Part 1: Oregon, Volume 1*. Northwest Archaeological Associates, Inc., Seattle, Washington. Prepared for Touch America, Inc., and David Evans & Associates, Inc., Seattle, Washington.

Silvermoon, Jon Massoglia

1990 *Archaeological Survey of the Bend Parkway, The Dalles-California Highway, Deschutes County*. INFOTEC Research, Inc., Eugene, Oregon. Prepared for Oregon Department of Transportation, Salem, Oregon.

Thomas, Suzanne Crowley

1983 *Cultural Resource Survey Report for the Deschutes County Land Exchange*. United States Department of the Interior Bureau of Land Management, Prineville, Oregon.

U.S. Department of Agriculture, Natural Resources Conservation Service

2022 *Web Soil Survey*. Electronic database, <https://websoilsurvey.sc.egov.usda.gov/App/HomePage.htm> accessed January 31, 2022.

Wopschall, Kayla

2014 *Phase I Archaeological Survey and Historic Report, Canal ROW Park, Butler Market Road and Brinson Boulevard, City of Bend, Deschutes County, Oregon.* Prepared by WHPacific, Inc, Bend, Oregon. Prepared for Bend Park and Recreation District, Oregon.

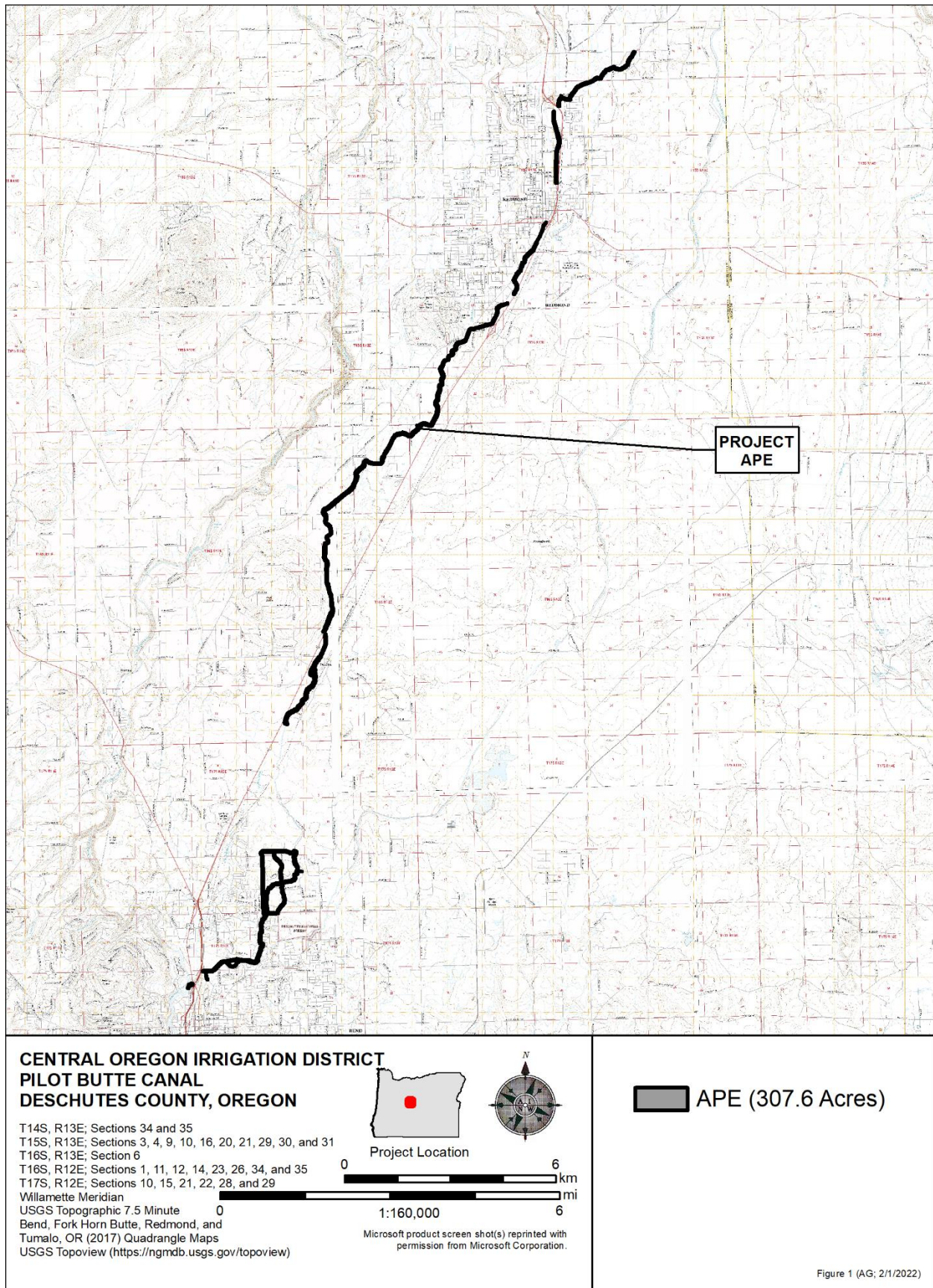


Figure 1. Location of the Central Oregon Irrigation District Pilot Butte Canal project APE in Deschutes County, Oregon.

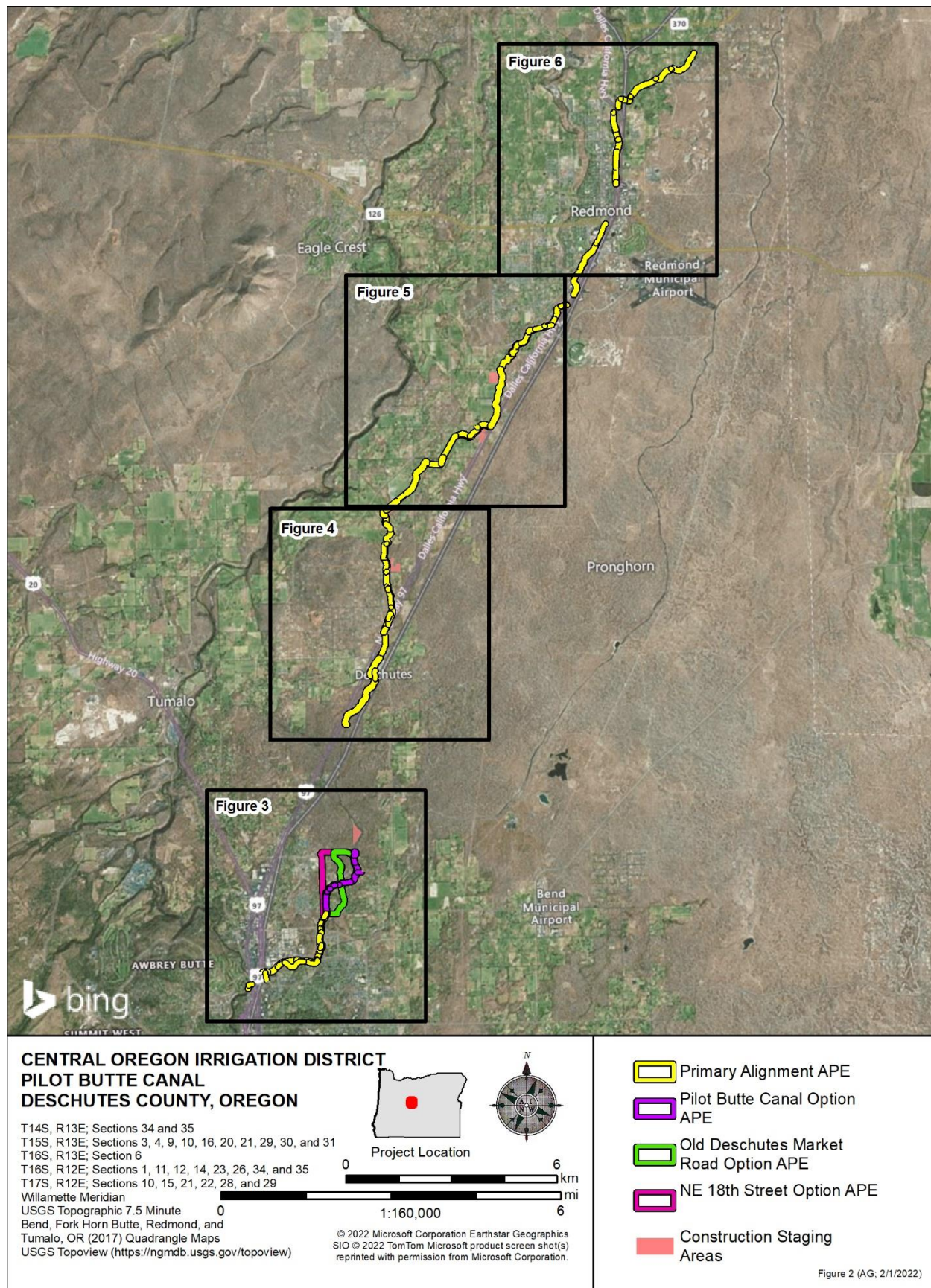


Figure 2. Aerial overview of the Central Oregon Irrigation District Pilot Butte Canal project APE in Deschutes County, Oregon.

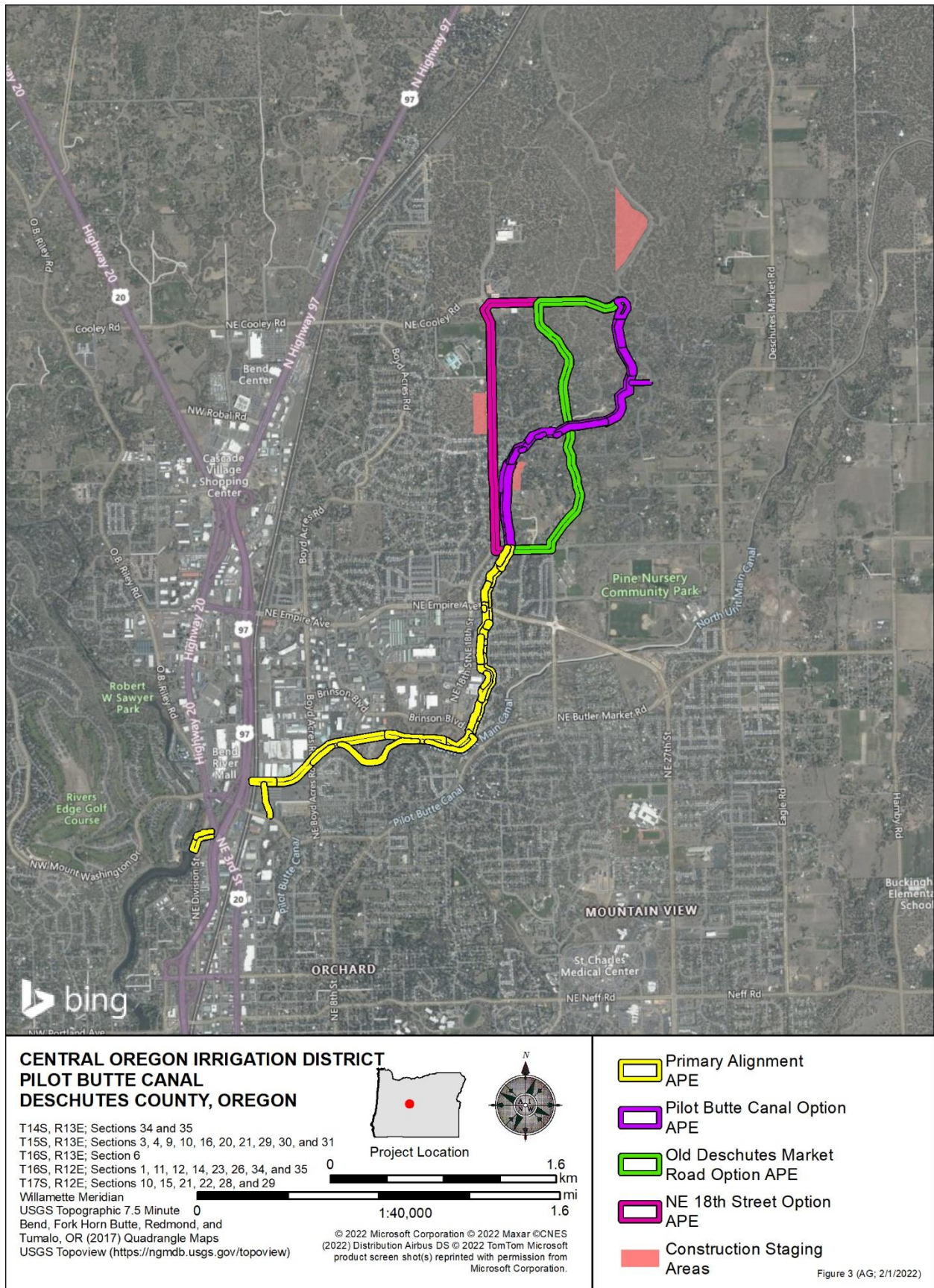


Figure 3. Aerial overview of the Central Oregon Irrigation District Pilot Butte Canal project APE, showing the portion of the project with three APE options.

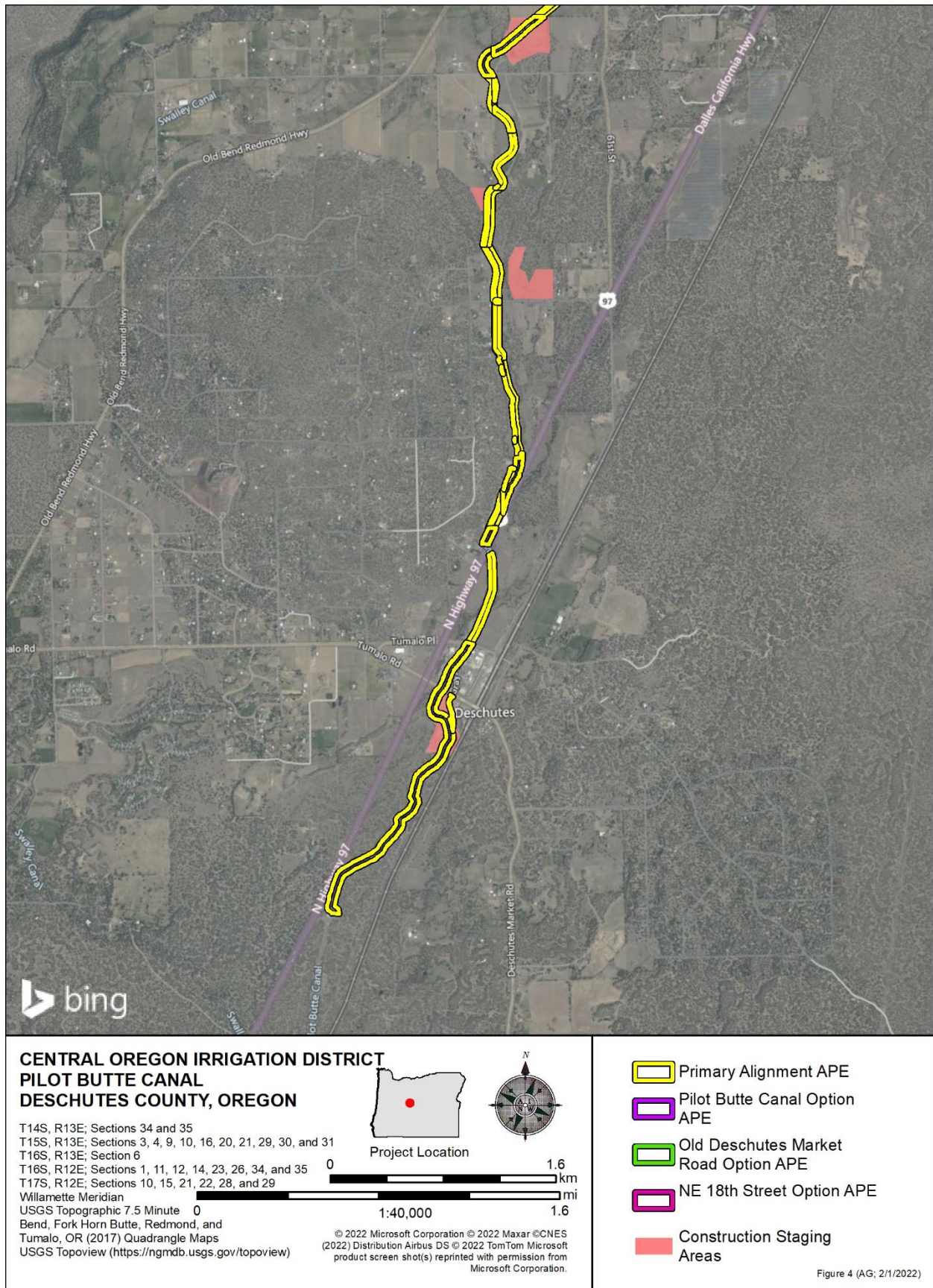


Figure 4. Aerial overview of the Central Oregon Irrigation District Pilot Butte Canal project APE.

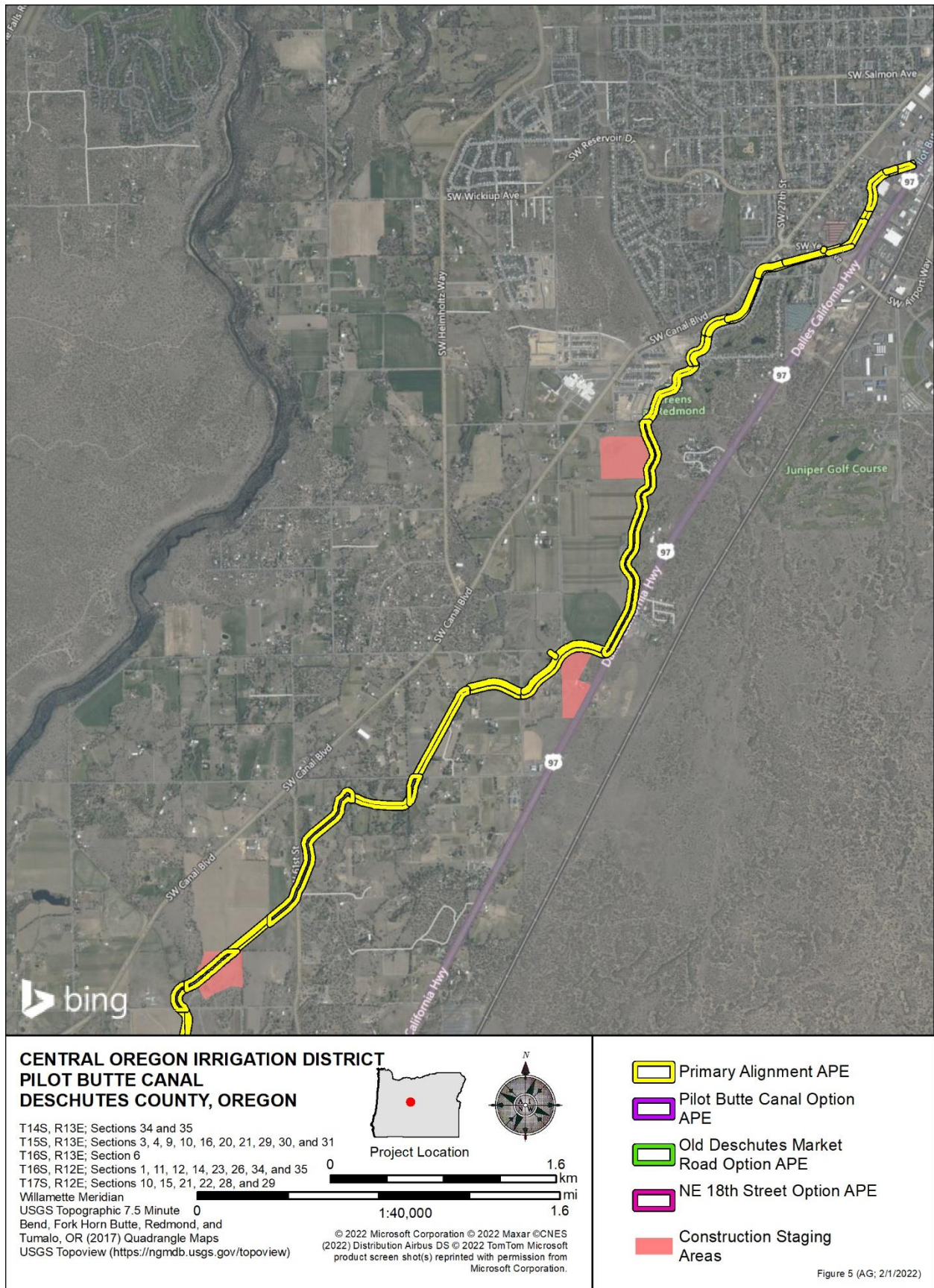


Figure 5. Aerial overview of the Central Oregon Irrigation District Pilot Butte Canal project APE.

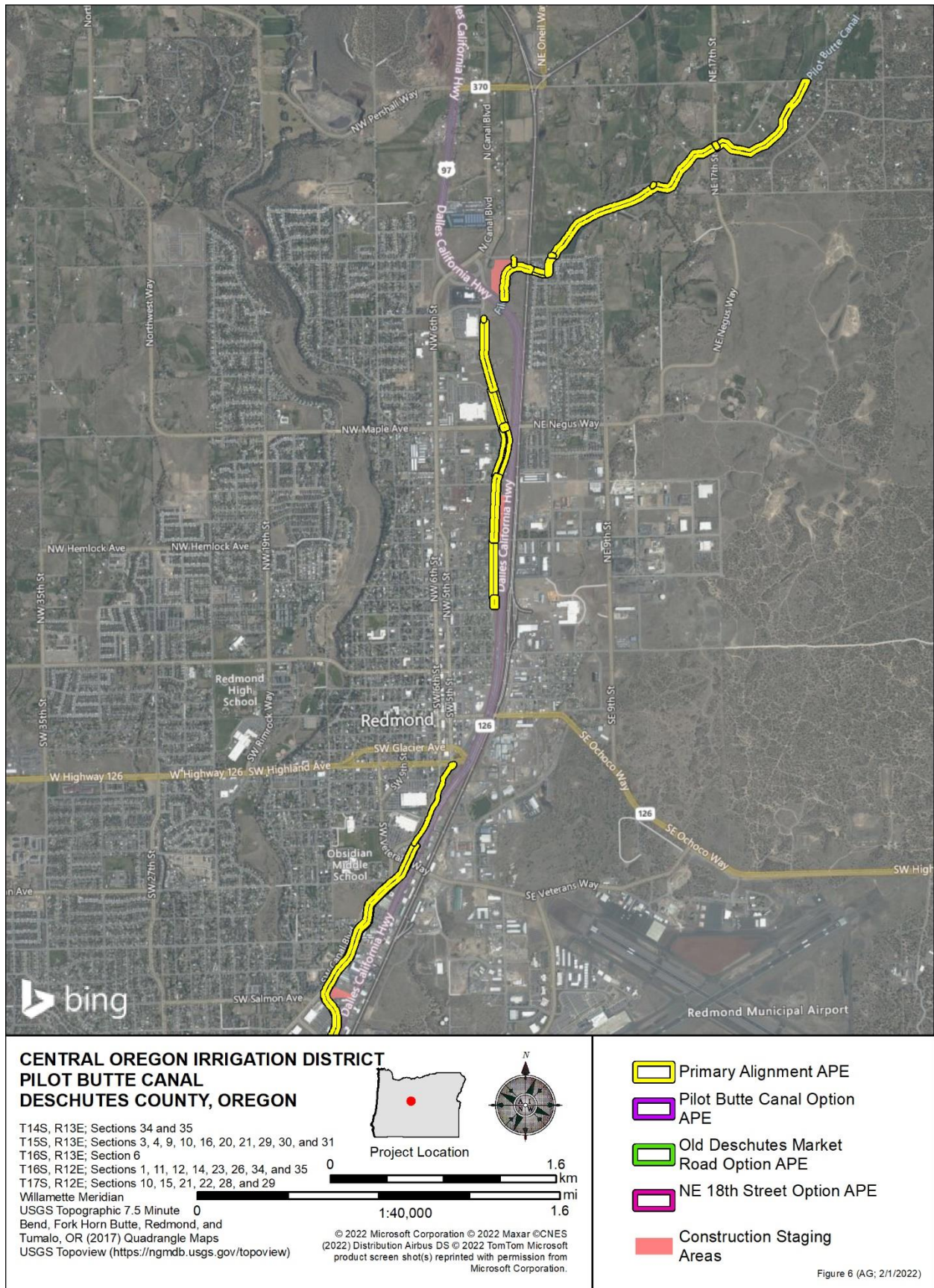


Figure 6. Aerial overview of the Central Oregon Irrigation District Pilot Butte Canal project APE.



United States Department of Agriculture

**State Office**

1201 NE Lloyd Blvd.,
Suite 900
Portland, OR 97232
503.414.3212

16 MAY 2022

Burns Paiute Tribe
100 Pasigo Street
Burns, OR 97720

RE: Central Oregon Irrigation District Pilot Butte Canal Pipeline Project

Hello,

The purpose of this letter is to initiate Section 106 of the National Historic Preservation Act with your office regarding the planned piping within the Central Oregon Irrigation District (COID) in Deschutes County.

As lead federal agency for this undertaking, NRCS has reviewed the enclosed Area of Potential Effect (APE) prepared by Archaeological Investigations Northwest, Inc., on behalf of Parametrix, Inc., for the COID regarding the Pilot Butte Canal Pipeline Project. NRCS believes that this APE captures the scope of work adequately and considers all potential effects to Historic Properties within the APE. If you have any questions or comments regarding the enclosed APE or any other comments regarding this project. Please do not hesitate to contact me at Michael.Petrozza@usda.gov or (503) 414-3212.

Sincerely,

A handwritten signature in black ink, appearing to read "Michael Petrozza".

Michael Petrozza
Archaeologist, NRCS Oregon State Cultural Resources Specialist

CC: Shane Phelps, Parametrix, Inc.
Jo Reese, AINW
John L. Fagan, AINW

OR SHPO SUBMITTAL FORM

RESPONSE REQUIRED IN ALL SECTIONS

EISX-005-53-000-1769089867

WHY

This submittal is (Select One)

- ☐ the First Initiation of Consultation and no SHPO Case # exists
☒ a Response to SHPO Request for more information on existing SHPO Case # provided below
☐ New Information for review on existing SHPO Case # provided below
22-0850 Existing SHPO Case #

WHAT

Your Project Name CENTRAL OREGON IRRIGATION DISTRICTPILOT BUTTE CANAL PIPELINE PROJECT

Your Project Number

Extremely Brief Project/Undertaking Description

Irrigation Canal Piping Project

WHERE

Project Location

County(s) Multiple

Street Address

City

OR Legal Description T/R/S Multiple Legals

OR Long/Lat (decimal degrees to 4 decimal places)

Long

Lat

WHO RECEIVES CORRESPONDENCE FROM THE SHPO

If not the Formal Contact, the Working Project Contact is who the SHPO communicates with for more information about the project and/or submittal package

Formal Contact

Name Michael Petrozza

Org USDA-NRCS

Address 1201 NE Lloyd Blvd

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City/ST/Zip Portland, OR, 97232

Phone (503)414-3212

Email Michael.Petrozza@usda.gov

Working Project Contact (cc'd on all correspondence to Formal Contact)

Name Shane Phelps

Org Parametrix

Address 700 NE Multnomah St.

Address Suite 1000

City/St/Zip Portland, OR, 97232

Phone (503) 233-2400

Email sphelps@parametrix.com

HOW

Is there a federal nexus for the project (funding, permitting, licensing, etc.)?

☒ Yes

☐ No

Ownership of Project Land?

☐ Private

☐ Public

☒ Both

Additional Comments (Optional)

SHPO requested additional information regarding the APE for the above named undertaking. Please see the file accompanying this submission form.

SUBMITTED TO SHPO FOR

- ☐ Built Environment Review
☒ Archaeology Review
☐ Both Built and Archaeology Review

SUBMITTAL EMAIL ACCOUNT

ORSHPO.Clearance@oregon.gov

ADDITIONAL ATTACHMENTS (Select All that Apply & Attach Individually)

- ☐ Cover Letter
☐ Map(s) (Required for Archaeology if not included in a Report)
☐ Oregon SHPO Clearance Form (Built Environment)
☐ 106 Documentation Form (Built Environment)
☐ Built Environment Only Report
☐ Archaeology Report INCLUDING State of Oregon Report Cover Sheet
☐ Combined Arch & Built Report INCLUDING State of Oregon Report Cover
☐ Sheet BLM or USFS Archaeology Site Record(s) # Individually Attached
☒ Spatial Data
☒ Other 1 (Name It) COID Pilot Butte APE 1-27-23
☐ Other 2 (Name It)
☐ Other 3 (Name It)

**CENTRAL OREGON IRRIGATION DISTRICT
PILOT BUTTE CANAL PIPELINE PROJECT
Area of Potential Effects (APE) Elements**

Vicinity map, Section/Township/Range, proximity to local landmarks, towns, etc.

A vicinity map for the project (Figure 1) and detailed maps of the Direct Impact Area (Figures 2 through 9) are attached. The APE includes the parcels that intersect or abut the Direct Impact Area (Figures 10 through 18). Descriptions and points of interest are listed below.

- The APE is located in Deschutes County, Oregon. The APE is within Sections 34 and 35 in Township 14 South, Range 13 East; Sections 3, 4, 9, 10, 16, 20, 21, 29, 30, and 31 in Township 15 South, Range 13 East; Section 6 in Township 16 South, Range 13 East; Sections 1, 11, 12, 14, 23, 26, 34, and 35 in Township 16 South, Range 12 East; and Sections 10, 15, 21, 22, 28, and 29 in Township 17 South, Range 12 East of the Willamette Meridian.
- The Direct Impact Area within the APE is centered on the Pilot Butte Canal and is approximately 28 kilometers (km) (17 miles [mi]) long, from Riverview Park at the Deschutes River, west of Division Street in Bend, to NE Yucca Avenue, northeast of Redmond.
- The Direct Impact Area follows the existing Pilot Butte Canal, except for the three options in Sections 10 and 15 of Township 17 South, Range 12 East, where the Pilot Butte Canal (Cooley Road – Yeoman Road segment) is a listed National Register of Historic Places (NRHP) Historic District and is a Goal 5 resource (Figures 2, 4 and 13).
 - The Pilot Butte Canal Alignment option (Purple on Figures 2, 4 and 13) would replace the open channel with pipe directly within the existing open channel alignment. This alignment option would be built wholly within the NRHP-listed section of canal would be approximately 2.4 km (1.5 mi) long.
 - The Old Deschutes Market Road option (Green on Figures 2, 4 and 13) would place pipe in a new alignment beginning at intersection of the existing alignment and Yeoman Road. It would travel east along Yeoman Road and then turn northeast to follow Old Deschutes Market Road. Following Old Deschutes Market Road, the alignment would travel generally north, crossing the existing Pilot Butte Canal until the terminus of Old Deschutes Market Road. At the road's northern terminus, the alignment would then generally travel northeast across undeveloped land until making an approximate 90 degree turn to follow an alignment that extends from near the eastern terminus of Cooley Road to the southern terminus of the existing piped portion of the canal. This alignment option would be approximately 2.3 km (1.4 mi) long.
 - The NE 18th Street Alignment option (Red on Figures 2, 4 and 13) would place pipe in a new alignment beginning at intersection of the existing alignment and Yeoman Road. It would travel west and then turn north to follow NE 18th Street. Following NE 18th Street, the alignment would travel generally north until the intersection of NE 18th Street and Cooley Road. At Cooley Road, the alignment

option would take an approximate 90 degree turn to follow an alignment that extends from near the eastern terminus of Cooley Road to the southern terminus of the existing piped portion of the canal. The portion of the alignment from Cooley Road would be identical to that of the Old Deschutes Market Road alignment. The NE 18th Street option would be approximately 3.1 km (1.9 mi) long.

- The Old Deschutes Market Road and NE 18th Street Alignment options would avoid impacts to a portion of Pilot Butte Canal that is listed on the NRHP.
- The APE excludes already piped sections of the canal to the northeast of Bend, and where the canal intersects and adjacent to Highway 97 to the north of, south of, and in Redmond (in Sections 3, 9, 16, and 21 in Township 15 South, Range 13 East; Sections 26 and 34 in Township 16 South Range 12 East; and Sections 3 and 10 in Township 17 South, Range 12 East, Willamette Meridian).
- The Direct Impact Area construction easement for the pipeline ranges between 30 and 60 meters (m) (100 and 200 feet [ft]) wide, and is 308 acres. Existing ditch rider roads within the Direct Impact Area will be used to access the canal.
- Portions of the APE are in urban areas of Bend and Redmond as well as in undeveloped areas between the two cities and northeast of Redmond (Figures 1, 2, 10, and 11).
- The APE is located on the northern edge of the High Lava Plains, close to the transition to the High Cascades, Columbia Basin, Blue Mountains, and Basin and Range physiographic provinces. The southern limit of the APE is adjacent to the Deschutes River. The soil mapped for the APE is Deschutes sandy loam; Stukel loam; Deskamp, Fremkle, Houstake, Statz, Tumalo and Wanoga ashy sandy loams; Gosney stony ashy loamy sand; and rock outcrops (U.S. Department of Agriculture, Natural Resources Conservation Service 2022). These soils are typically shallow with tuff or basalt bedrock between 36 and 76 centimeters (cm) (14 and 30 inches [in]) below the surface.

Information on known staging areas or pit sites that will be used

Staging of materials and equipment is planned to occur within the proposed Direct Impact Area (Figures 2 through 9). If additional staging or laydown areas will be needed, a revised APE will be submitted and those areas will be surveyed for their potential archaeological resources.

Results of database searches

The Oregon Archaeological Records Remote Access (OARRA) was reviewed for previously conducted cultural resource studies and previously recorded archaeological resources within the APE. The Pilot Butte Canal is a historic resource within the APE. The Direct Impact Area of the APE follows the NRHP-listed segment of the Pilot Butte Canal in Downtown Redmond. The Purple option for the project on Figure 4 follows the NRHP-listed segment of the Pilot Butte Canal between Cooley Road and Yeoman Road (Hall and Kliever 2014).

Small portions of the Direct Impact Area within the APE have been previously surveyed (Bland et al. 2005; Connolly 1996; Fagan et al. 2013; Follansbee 1976; Fulton and Fulton 1999; Helzer 2004; Henrickson 2003a, 2003b; McAlister and Connolly 2019; Sharp 1997; Sharp et al. 1998; Silvermoon 1990; Wopschall 2014). Six of these studies identified cultural

resources within 100 m (238 ft) of the Direct Impact Area, and are described below. Northeast of the APE, AINW conducted a survey of the canal, and identified no archaeological resources (Johnson and Fagan 2020).

Ten archaeological sites are within 100 m (328 ft) of the Direct Impact Area:

- Site 35DS1934 is the Oregon Trunk Railway that intersects the southern portion of the Direct Impact Area. The site was recommended to be eligible for listing in the NRHP (Sharp 1997; Sharp et al. 1998).
- Site 35DE2577 is a segment of the Old Pilot Butte Canal that extends south of the southern portion of the Direct Impact Area. The site is unevaluated for listing in the NRHP (Wopschall 2014).
- Site 35DS1619 consists of historic-period structures, including a rock wall and wooden enclosure, near where the Direct Impact Area intersects OR 97. The site is unevaluated for listing in the NRHP (Henrickson 2003b).
- Site 35DS1736 is the Redmond Homestead along OR 97 in Redmond that is adjacent to the Direct Impact Area. The site contained early twentieth century artifacts, and is unevaluated for listing in the NRHP (Bland et al. 2005).
- North of the piped section of the canal, 50 m (164 ft) east of the Direct Impact Area, two historic-period can scatters (sites 35DS1931 and OR-05-267) were identified. Site 35DS1931 was recommended to be not eligible for listing in the NRHP, and site OR-05-267 is unevaluated (Christy 2008; Thomas 1983).
- Pre-contact sites 35DS1620 and 35DS1959 are 100 m (328 ft) east of the Impact Area near where the project intersects OR 97. Testing has been conducted, and both sites were recommended to be eligible for listing in the NRHP (Edwards 2004).
- The historic-period Empire Avenue Lateral Canal (35DS2305), 100 m (328 ft) west of the southern portion of the Direct Impact Area, is unevaluated for listing in the NRHP (Horne and Tonsfeldt 2012).
- The Huntington's Wagon Road is also shown on OARRA immediately east of the Green APE option on Old Deschutes Market Road.
- Two pre-contact and four historic-period isolated artifacts have also been recorded adjacent to the Direct Impact Area (Bland et al. 2005; Edwards 2004; Lipscomb 1992).

Proposed Cultural Resource Survey Methods

A cultural resource survey will be conducted for the project. The historic resources survey will be conducted by George Kramer, and AINW will conduct the archaeological survey.

The cultural resource survey will consist of a pedestrian survey to identify and document historic and archaeological resources. Shovel testing will be conducted in areas where an archaeological resource is likely.

The APE will include parcels intersected by or abutting the Direct Impact Area. Historic resources on all parcels intersecting and abutting the APE will be documented in a table, and this table will include individual canal segments. The historic resources will be evaluated for their historic significance.

- A pedestrian archaeological survey walking transects spaced no more than 15 m (49 ft) apart is planned for the Direct Impact Area of the APE. If artifacts are identified during the fieldwork, they will be photographed and documented, but not collected.
- Shovel tests will be 30 cm (12 in) in diameter and will be excavated by hand to a minimum depth of 50 cm (20 in) below the surface. If areas are encountered that may have deep soil deposits, selected shovel tests may be augured to 200 cm (80 in) below the surface to test for the presence of deeply buried archaeological resources. Excavated soils will be screened using nested 6.4- and 3.2-millimeter (1/4- and 1/8-in) mesh hardware cloth. If artifacts are identified during the shovel testing on private land, they will be photographed and documented, but not collected. If artifacts are identified during shovel testing on non-federal public land, they will be collected under an Oregon SHPO permit.
 - The 50-cm (20-in) determination depth was chosen because previous testing and evaluation at nearby sites 35DS1620 and 35DS1959 identified the greatest density of cultural material between the surface and 40 cm (16 in) below the surface. Below 50 cm (20 in), the soils are reportedly extremely compact with basalt boulders, although some cultural deposits continued to a depth of 70 cm (28 in) below the surface (Edwards 2004). Other studies within 1.6 km (1 mi) of the Direct Impact Area identified cultural materials during subsurface testing in the upper 50 cm (20 in) (Fagan et al. 2013; Gray and Tonsfeldt 2009).
- A historic resource survey report and an archaeological survey report will be prepared.

Simple plan showing the scope of work

Please see Figures 2 through 9 showing the project Direct Impact Area, which will include all areas within which ground-disturbing activities will occur.

Potential visual or noise impacts

Potential for visual, noise and vibration impacts, and other indirect effects both temporary and long term, would be assessed in the vicinity of historic properties within the APE.

Areas of ground disturbance, plus rough estimates of excavation

Construction will include mobilization and staging of construction equipment, delivery of piping to construction areas, excavation of trenches, fusing of pipelines, placement of pipe, compaction of backfill, and restoration and reseeded of the disturbed areas. Excavation will be up to 6 m (20 ft) deep along the proposed length of the 28 km (17 mi) to be piped. Construction will take place within the existing 30- to 60-m (100- to 200-ft) wide canal easement for the primary alignment and for the Pilot Butte Canal Alignment option. Construction will take place within Deschutes County right-of-way for the Old Deschutes Market Road Alignment and NE 18th Street Alignment options. The existing ditch rider roads will be used for access.

The Central Oregon Irrigation District is considering several pipe materials for the high-pressure pipes, ranging from 274 to 335 cm (108 to 132 in) in diameter. Pipe installation would require storage areas for pipe, construction equipment, and other materials. Areas that have been previously disturbed and that are accessible through existing access routes will be used when possible.

References

- Bland, Richard L., Christopher L. Ruiz, and Thomas J. Connolly
 2005 *Report of Exploratory Archaeological Survey at the Redmond Reroute Project, Deschutes County (ODOT Key #13940)*. University of Oregon Museum of Natural & Cultural History Report No. 2005-231. Submitted to Oregon Department of Transportation, Salem.
- Christy, Steve
 2008 *Oregon Cultural Resources Survey Report for the Federal Land Transaction Facilitation Act Project, Redmond, Oregon*. Bureau of Land Management Report No. 05050600462P, Prineville, Oregon.
- Connolly, Thomas J.
 1996 *Archaeological Survey of the Peterson Rock Garden Material Source, Deschutes County*. University of Oregon Museum of Natural & Cultural History Report. Submitted to Oregon Department of Transportation, Salem.
- Edwards, Ian
 2004 *Test Excavations at Sites 35DS1620 and 35DS1659, Bridge 01675B, Pilot Butte Canal, US 97, mp. 129.72, Deschutes County, Oregon*. University of Oregon Museum of Natural & Cultural History Report. Submitted to Oregon Department of Transportation, Salem.
- Fagan, John L., Andrea Blaser, and Sara Davis
 2013 *US 97 Bend North Corridor Solutions: Final Archaeological Resources Technical Report*. Archaeological Investigations Northwest, Inc. Report No. 2499. Prepared for Oregon Department of Transportation, Region 4, Deschutes County, Oregon.
- Follansbee, Julia
 1976 *Report on Archaeological Resources Bend Area Sewerage Facilities Plan Deschutes County, Oregon*. On file, State Historic Preservation Office, Salem, Oregon.
- Fulton, Terri P., and Philip A. Fulton
 1999 *Supplemental Site Investigations for the FTV Western Build, Oregon*. Northwest Archaeological Associates, Inc. Prepared for Touch America, Inc., and David Evans & Associates, Inc., Seattle, Washington.
- Gray, Dennis J., and Ward Tonsfeldt
 2009 *Canal Construction on The High Lava Plains: Testing and Mitigation of Site 35DS1929, Deschutes County, Oregon*. Prepared by East Slope Cultural Services, Inc., Bend, Oregon. Prepared for David Evans and Associates, Bend, Oregon.
- Hall, Michael A., and Patricia A. Kliever
 2014 *National Register of Historic Places Nomination Form for the Pilot Butte Canal Historic District*. On file, State Historic Preservation Office, Salem, Oregon.

Helzer, Margaret M.

2004 *Archaeological Survey (Phase I) of Maple-Negus Project, Deschutes County*. University of Oregon Museum of Natural & Cultural History Report. Submitted to Oregon Department of Transportation, Salem.

Henrickson, Suzann

2003a *Archaeological Survey of Bridge 08888 (North Unit Canal and Swalley Canal, US 97, at MP 136.5), Deschutes County, Oregon*. University of Oregon Museum of Natural & Cultural History Report. Submitted to Oregon Department of Transportation, Salem.
2003b *Bridge 01675B (Pilot Butte Canal, US 97, milepoint 129.72), Deschutes County, Oregon*. University of Oregon Museum of Natural & Cultural History Report. Submitted to Oregon Department of Transportation, Salem.

Horne, Stephen, and Ward Tonsfeldt

2012 *Cultural Resources Survey: 2012 Transportation Improvement Projects Transportation Go Bond Program, City of Bend, Oregon*. Prepared by Basin and Range Heritage Consultants, Terrabonne, Oregon. Prepared for HDR, Inc., Bend, Oregon

Johnson, Meghan, and John L. Fagan

2020 *Archaeological Survey for the Central Oregon Irrigation District Piping Project, Deschutes County, Oregon*. Archaeological Investigations Northwest, Inc. Report No. 4442. Prepared for Central Oregon Irrigation District, Redmond, Oregon.

Lipscomb, Christine K.

1992 *Bend Pine Nursery's Yeoman Field Survey Cultural Resource Inventory Report*. Prepared by Bend Ranger District, Deschutes National Forest, Oregon.

McAlister, Kaylon, and Thomas Connolly

2019 *US 97: Redmond-Bend Survey, Deschutes County (ODOT Key 20357)*. University of Oregon Museum of Natural & Cultural History Report 2019-043. Submitted to Oregon Department of Transportation, Salem.

Sharp, Nancy D.

1997 *Cultural Resources Inventory of the Proposed FTV Western Build Part 1: Oregon, Preliminary Report*. Northwest Archaeological Associates, Inc., Seattle, Washington. Prepared for Touch America, Inc., and David Evans & Associates, Inc., Seattle, Washington.

Sharp, Nancy D., Terri P. Fulton, Philip A. Fulton, and Kenneth E. Juell

1998 *Cultural Resources Inventory of the Proposed FTV Western Build Part 1: Oregon, Volume 1*. Northwest Archaeological Associates, Inc., Seattle, Washington. Prepared for Touch America, Inc., and David Evans & Associates, Inc., Seattle, Washington.

Silvermoon, Jon Massoglia

1990 *Archaeological Survey of the Bend Parkway, The Dalles-California Highway, Deschutes County*. INFOTEC Research, Inc., Eugene, Oregon. Prepared for Oregon Department of Transportation, Salem, Oregon.

Thomas, Suzanne Crowley

1983 *Cultural Resource Survey Report for the Deschutes County Land Exchange*. United States Department of the Interior Bureau of Land Management, Prineville, Oregon.

U.S. Department of Agriculture, Natural Resources Conservation Service
2022 *Web Soil Survey*. Electronic database, <https://websoilsurvey.sc.egov.usda.gov/App/HomePage.htm> accessed January 31, 2022.

Wopschall, Kayla

2014 *Phase I Archaeological Survey and Historic Report, Canal ROW Park, Butler Market Road and Brinson Boulevard, City of Bend, Deschutes County, Oregon*. Prepared by WHPacific, Inc, Bend, Oregon. Prepared for Bend Park and Recreation District, Oregon.

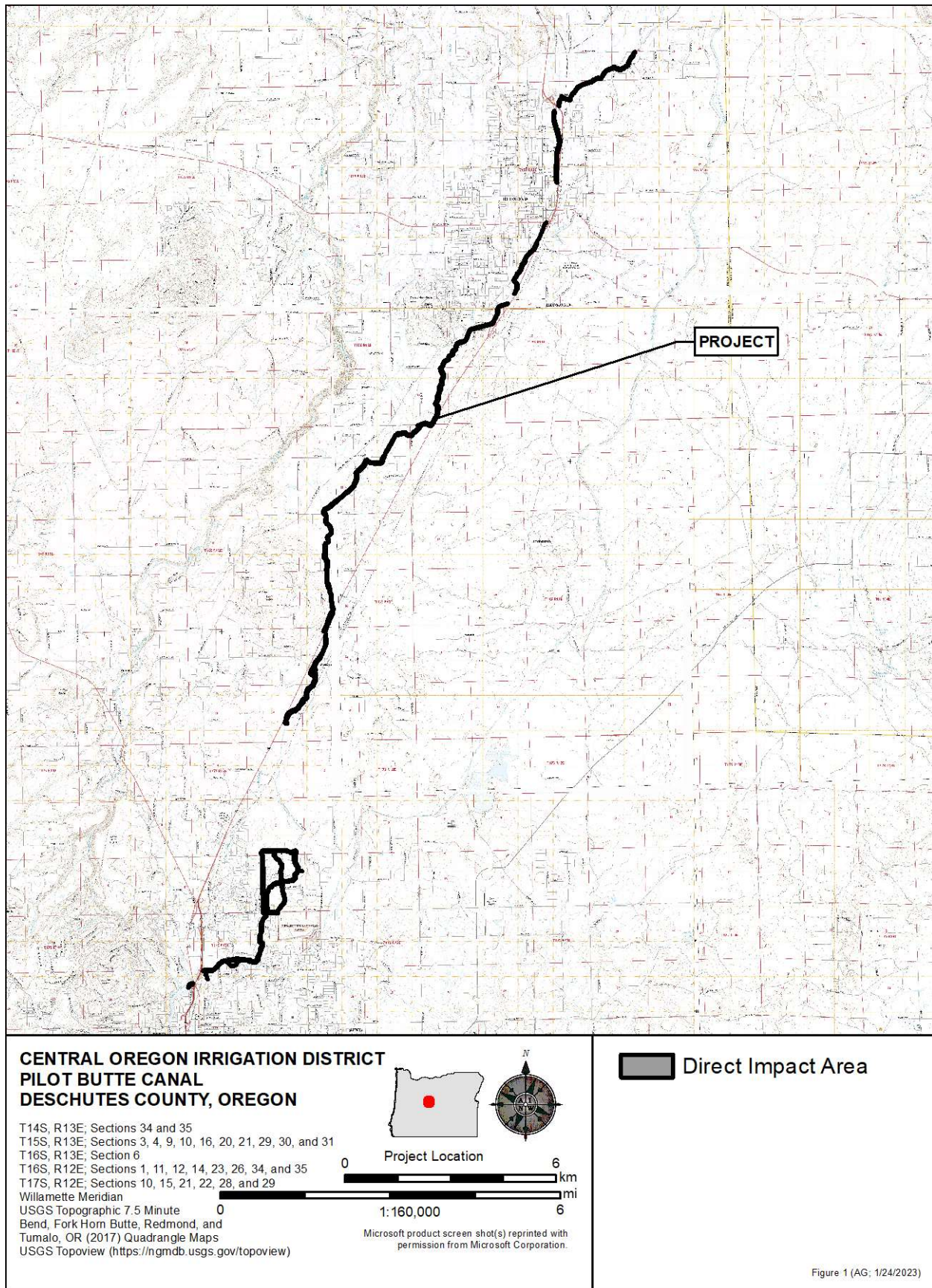


Figure 1. Location of the Central Oregon Irrigation District Pilot Butte Canal project Direct Impact Area in Deschutes County, Oregon.

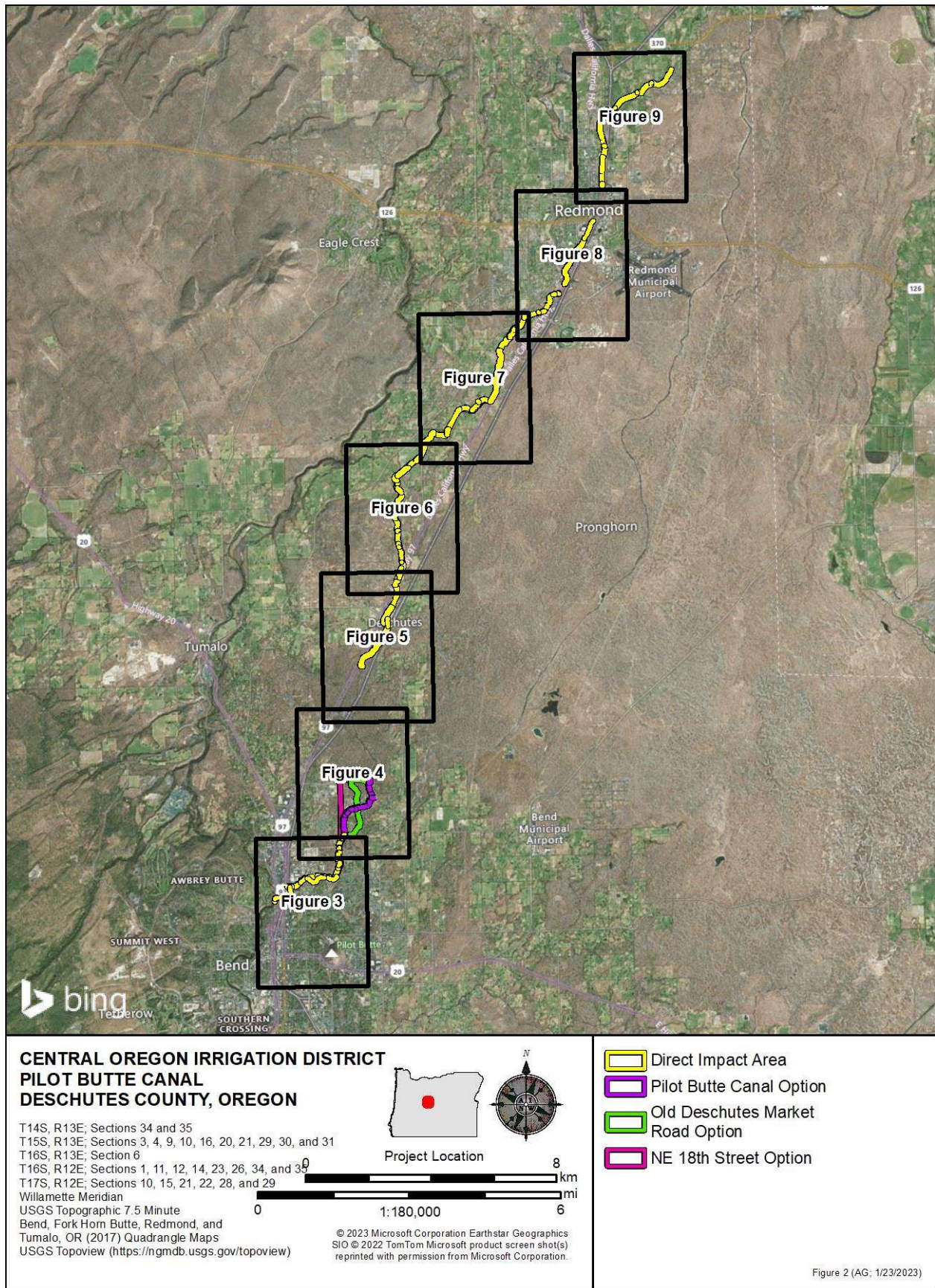


Figure 2. Aerial overview of the Central Oregon Irrigation District Pilot Butte Canal project Direct Impact Area in Deschutes County, Oregon.

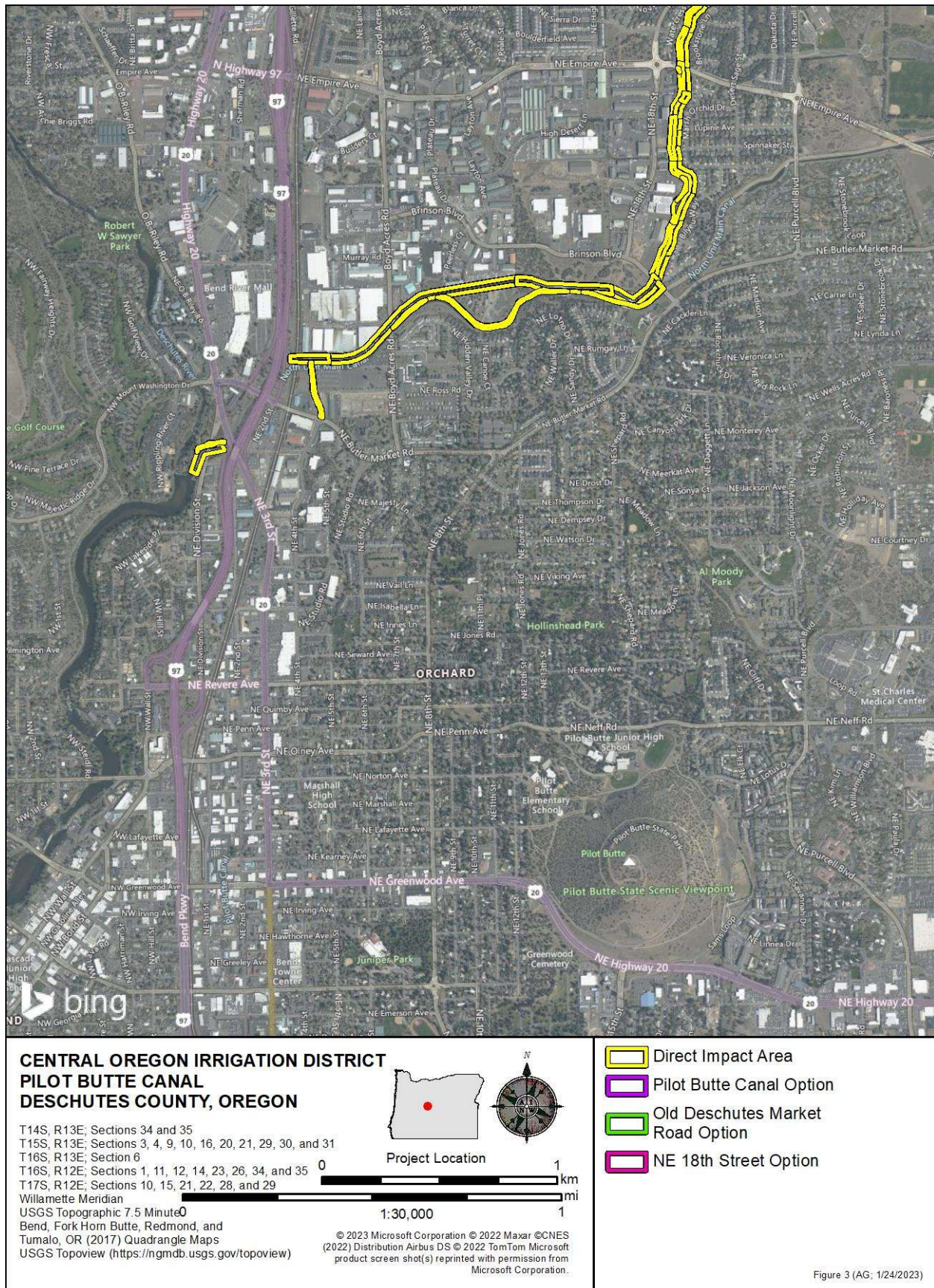


Figure 3. Aerial overview of the Central Oregon Irrigation District Pilot Butte Canal project Direct Impact Area.

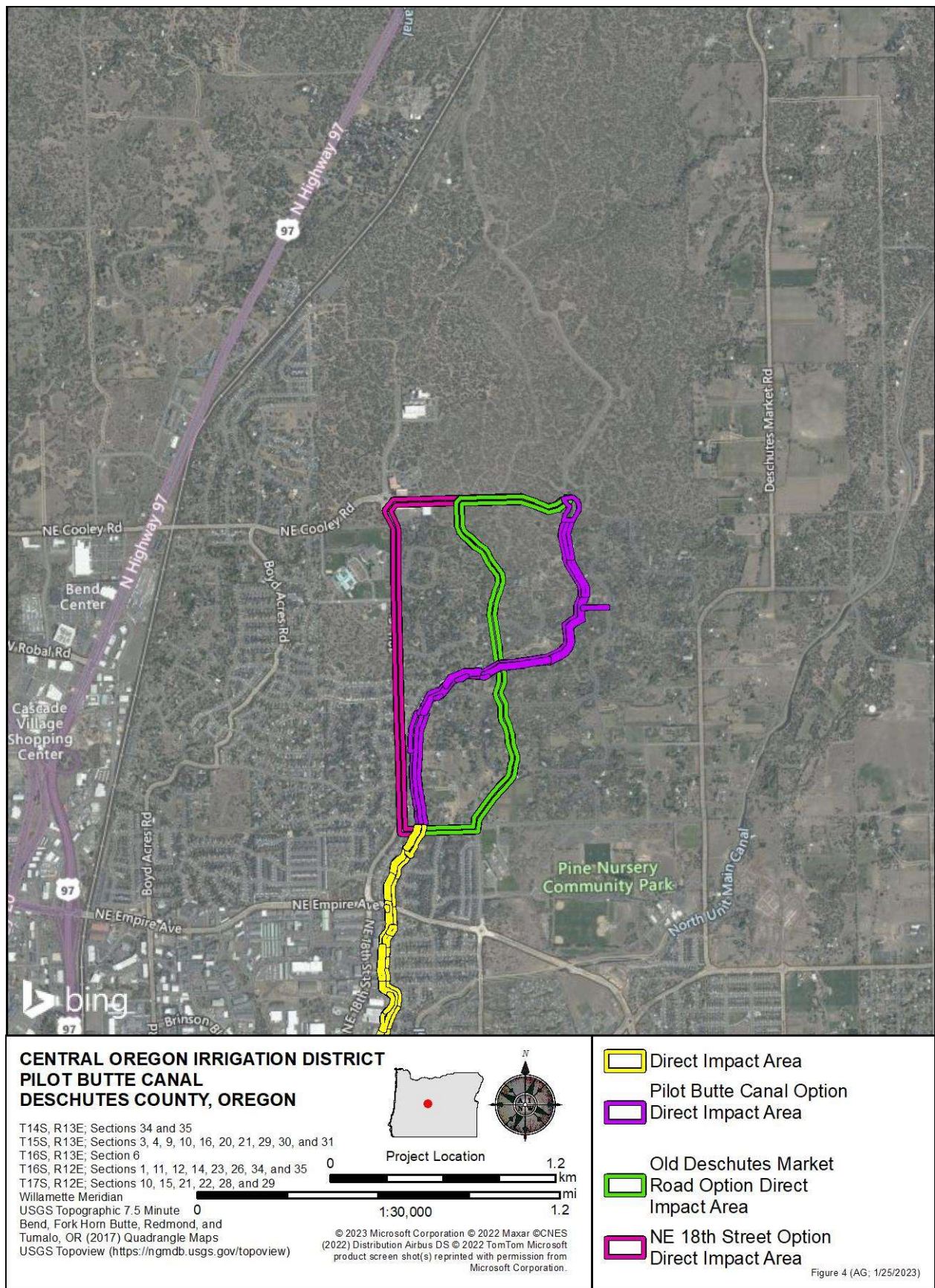


Figure 4. Aerial overview of the Central Oregon Irrigation District Pilot Butte Canal project Direct Impact Area, showing the portion of the project with three options.

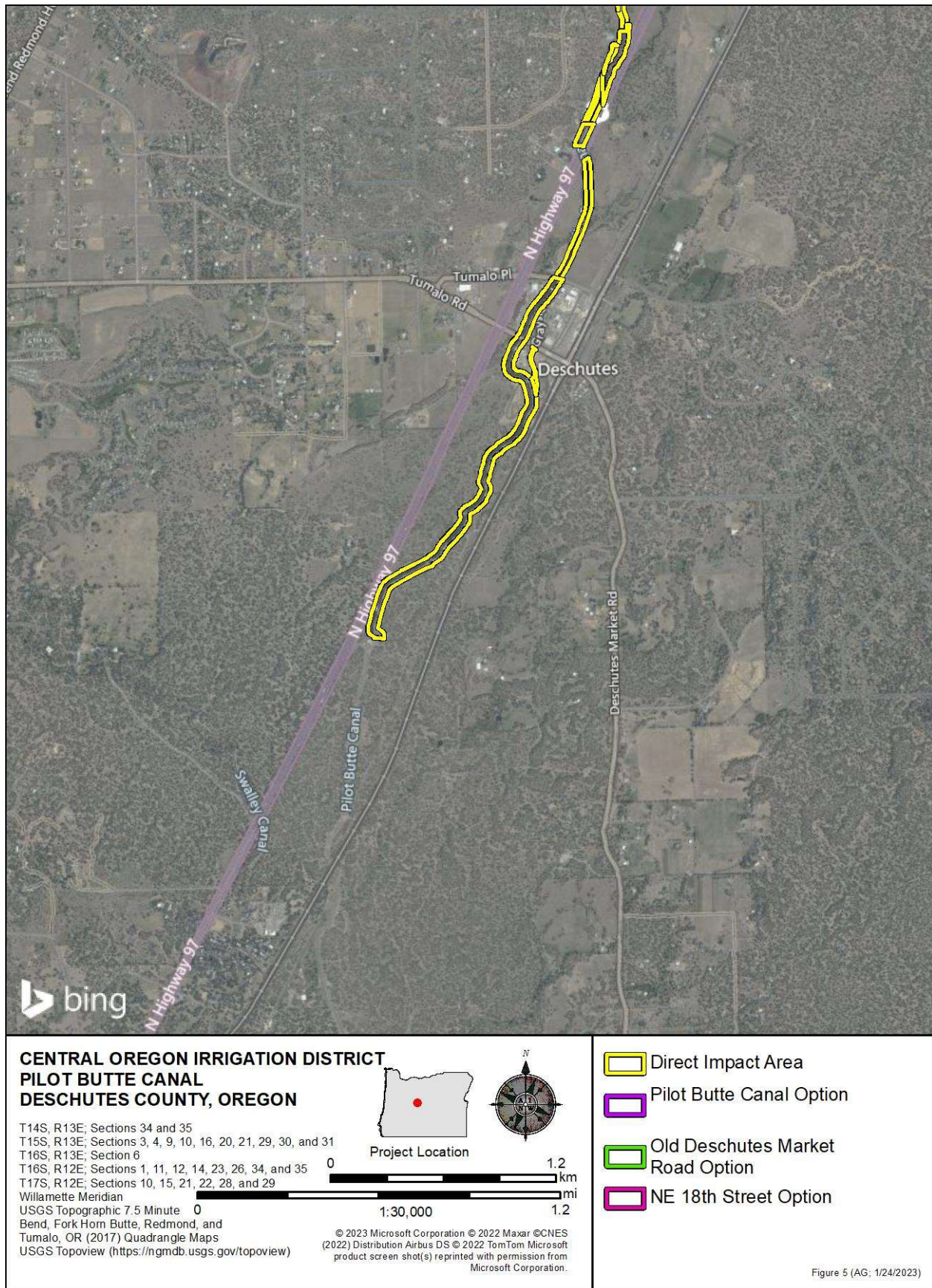


Figure 5. Aerial overview of the Central Oregon Irrigation District Pilot Butte Canal project Direct Impact Area.

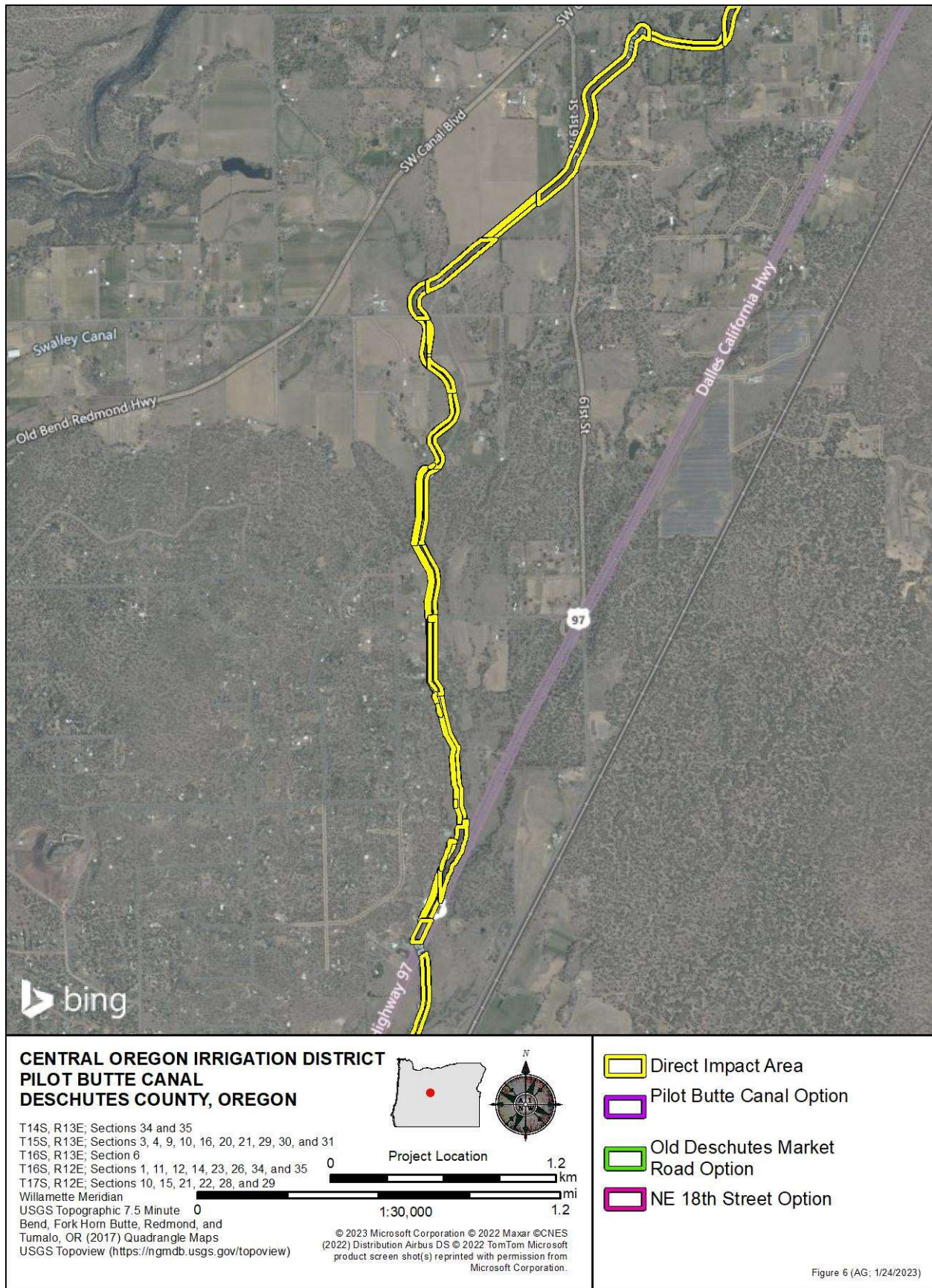


Figure 6. Aerial overview of the Central Oregon Irrigation District Pilot Butte Canal project Direct Impact Area.

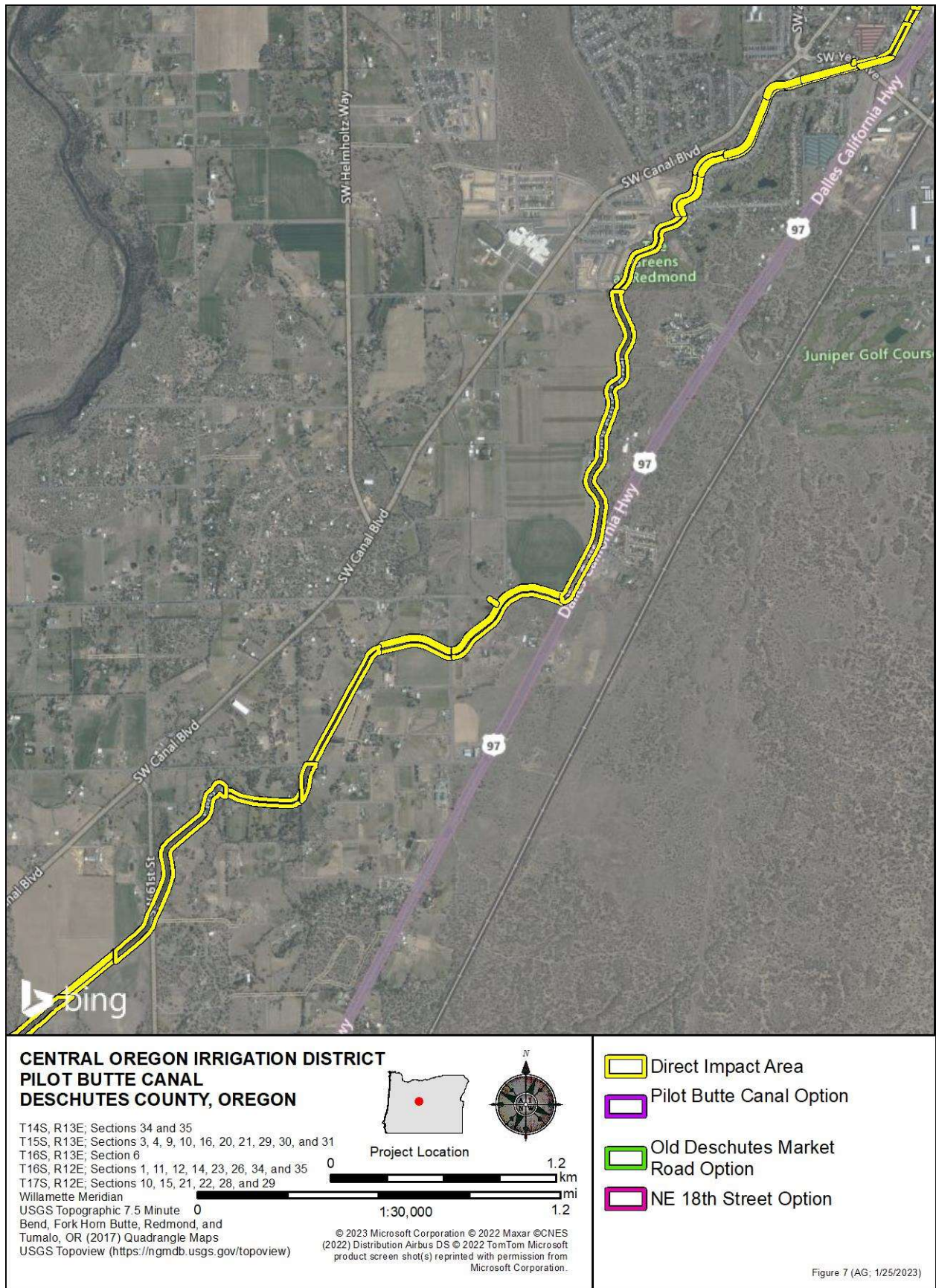


Figure 7. Aerial overview of the Central Oregon Irrigation District Pilot Butte Canal project Direct Impact Area.

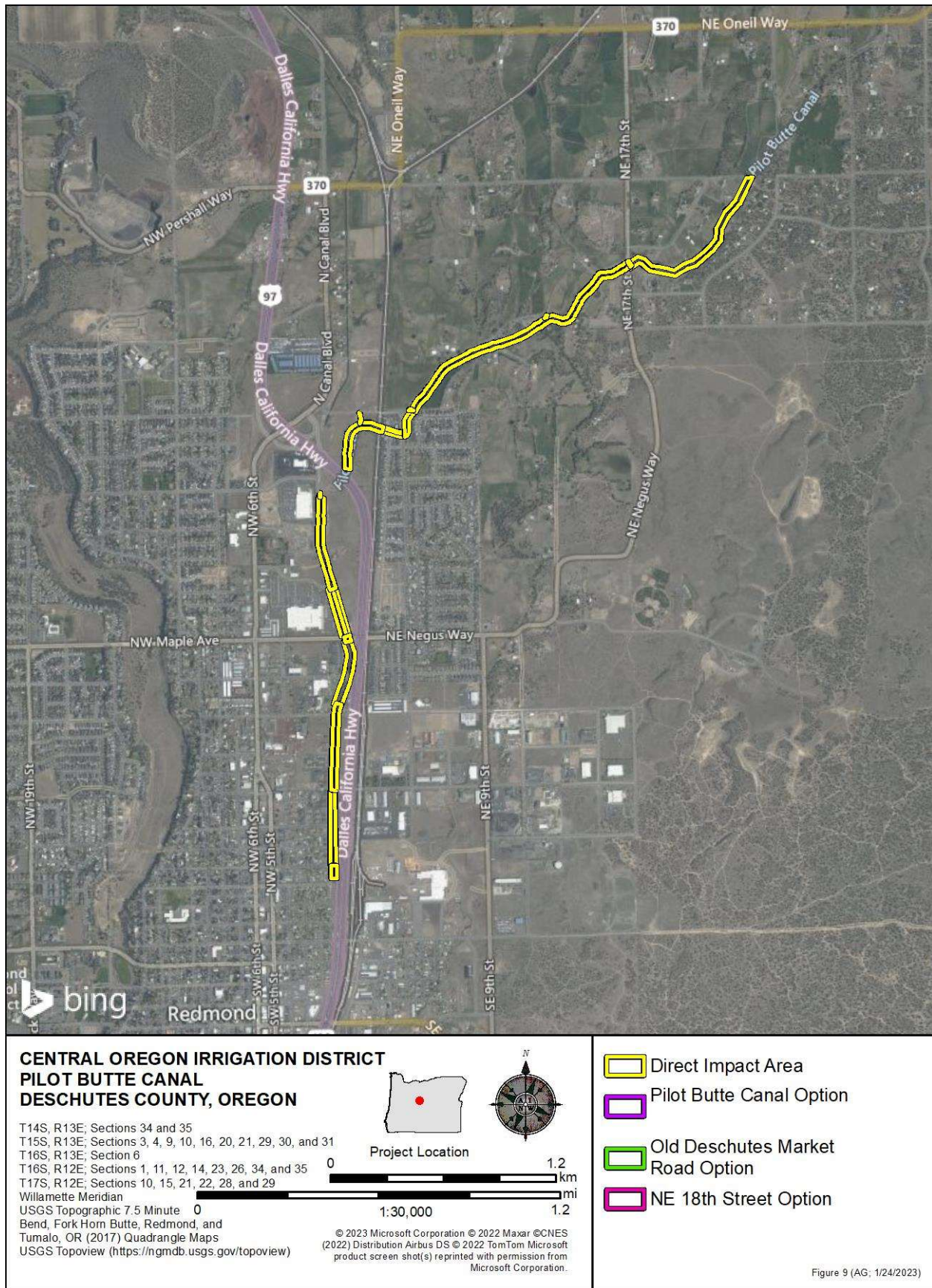


Figure 9. Aerial overview of the Central Oregon Irrigation District Pilot Butte Canal project Direct Impact Area.

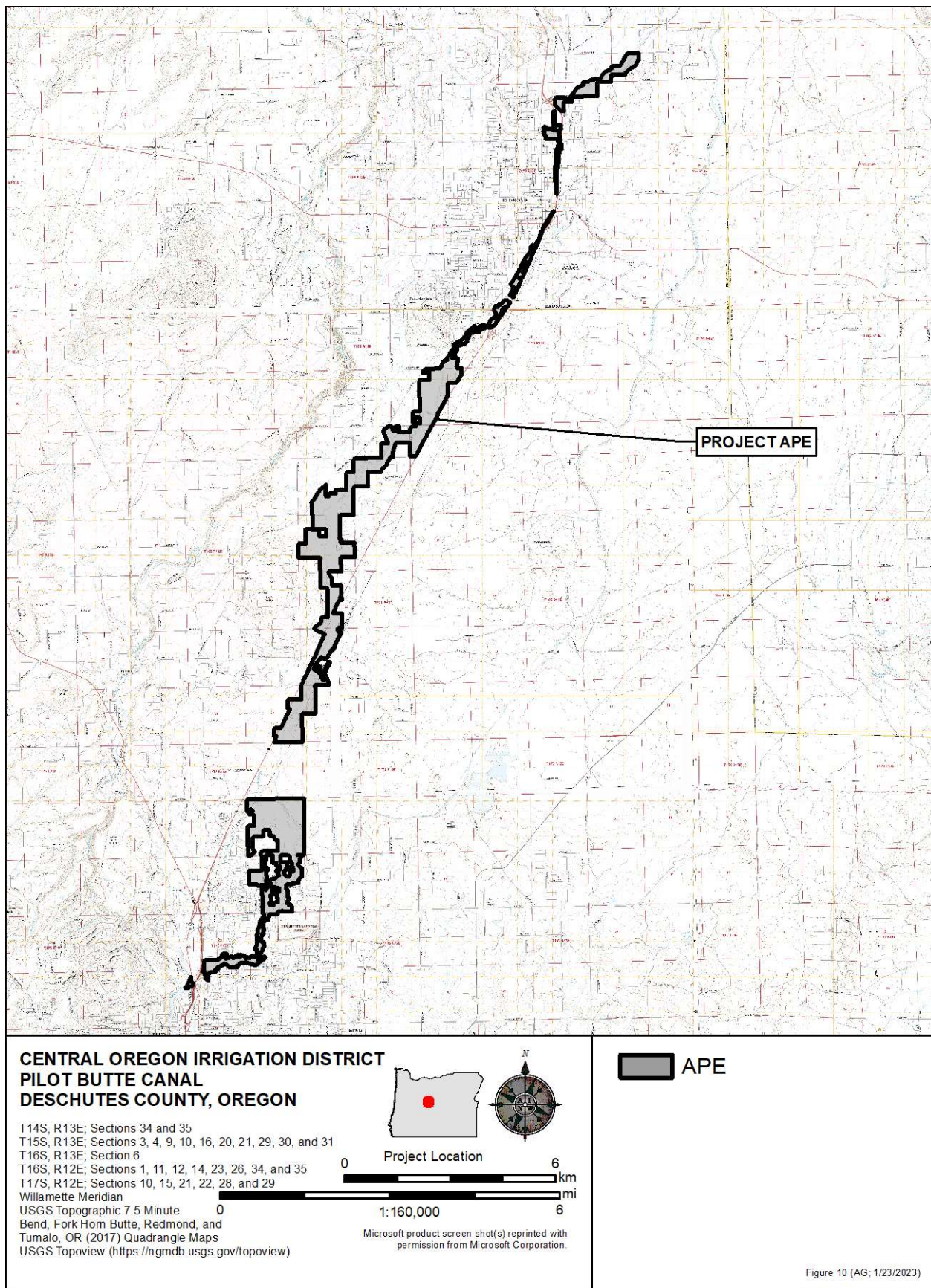


Figure 10. Location of the Central Oregon Irrigation District Pilot Butte Canal project APE in Deschutes County, Oregon.

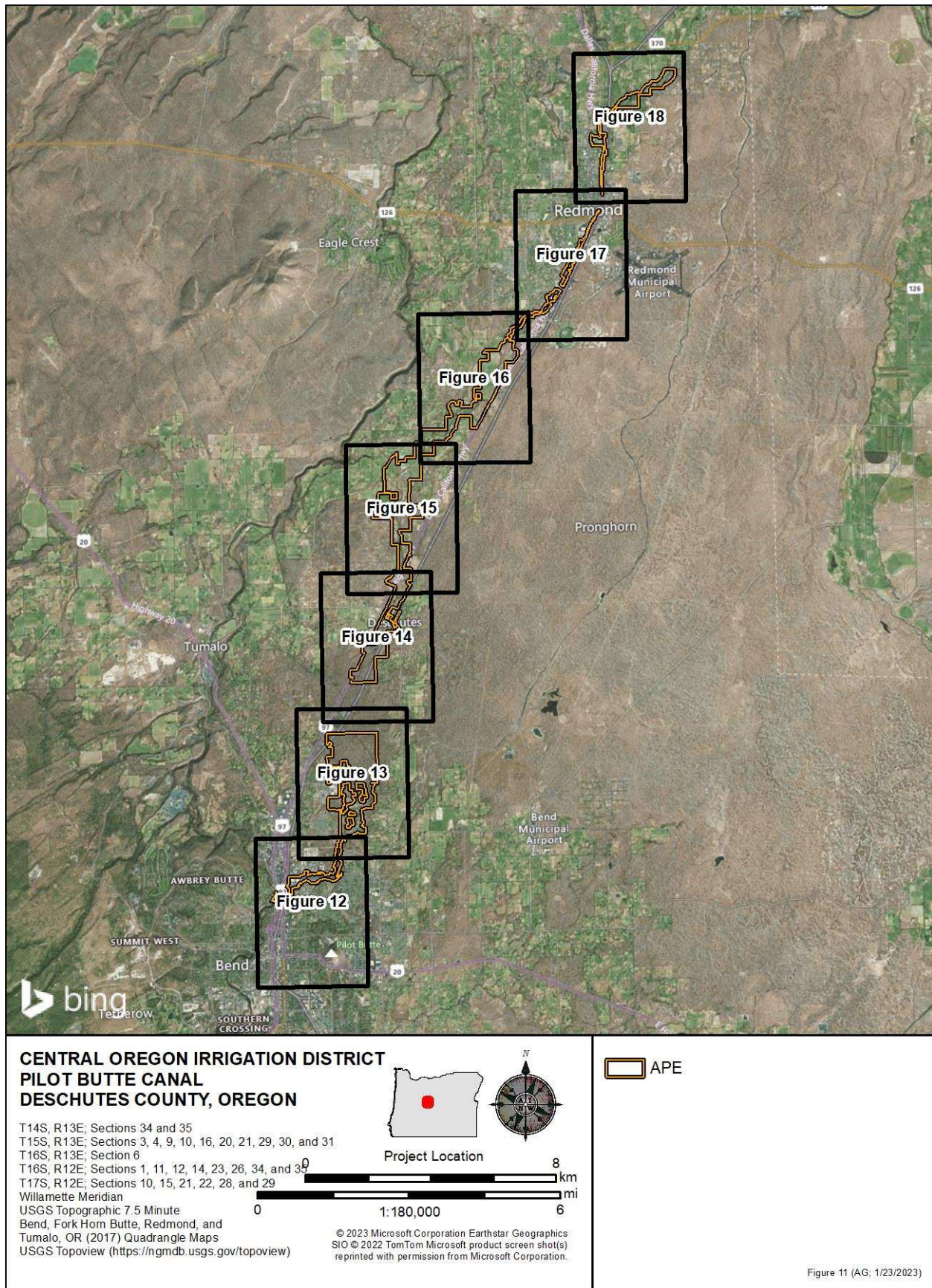


Figure 11. Aerial overview of the Central Oregon Irrigation District Pilot Butte Canal project APE in Deschutes County, Oregon.

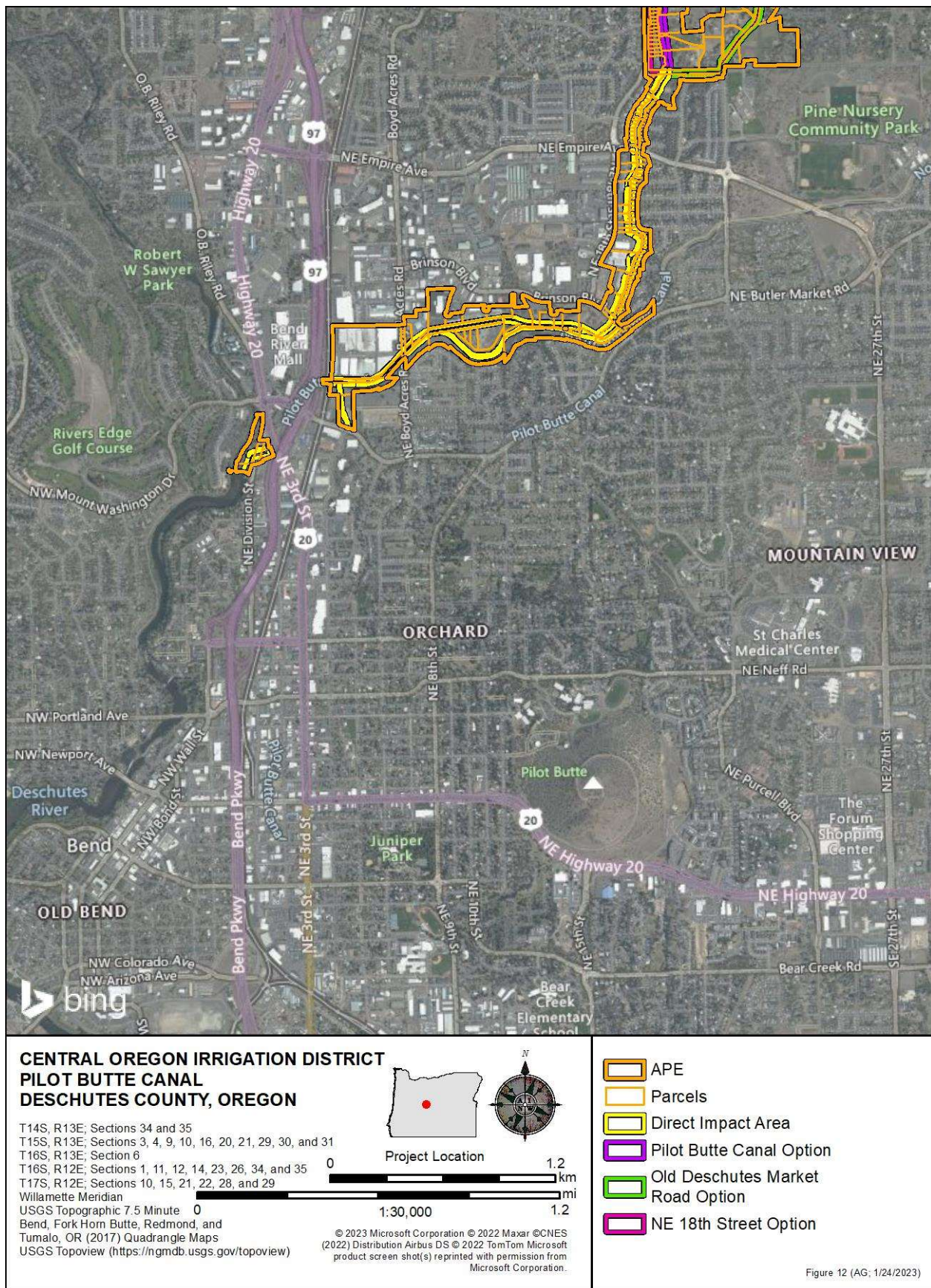


Figure 12 (AG; 1/24/2023)

Figure 12. Aerial overview of the Central Oregon Irrigation District Pilot Butte Canal project APE in Deschutes County, Oregon.

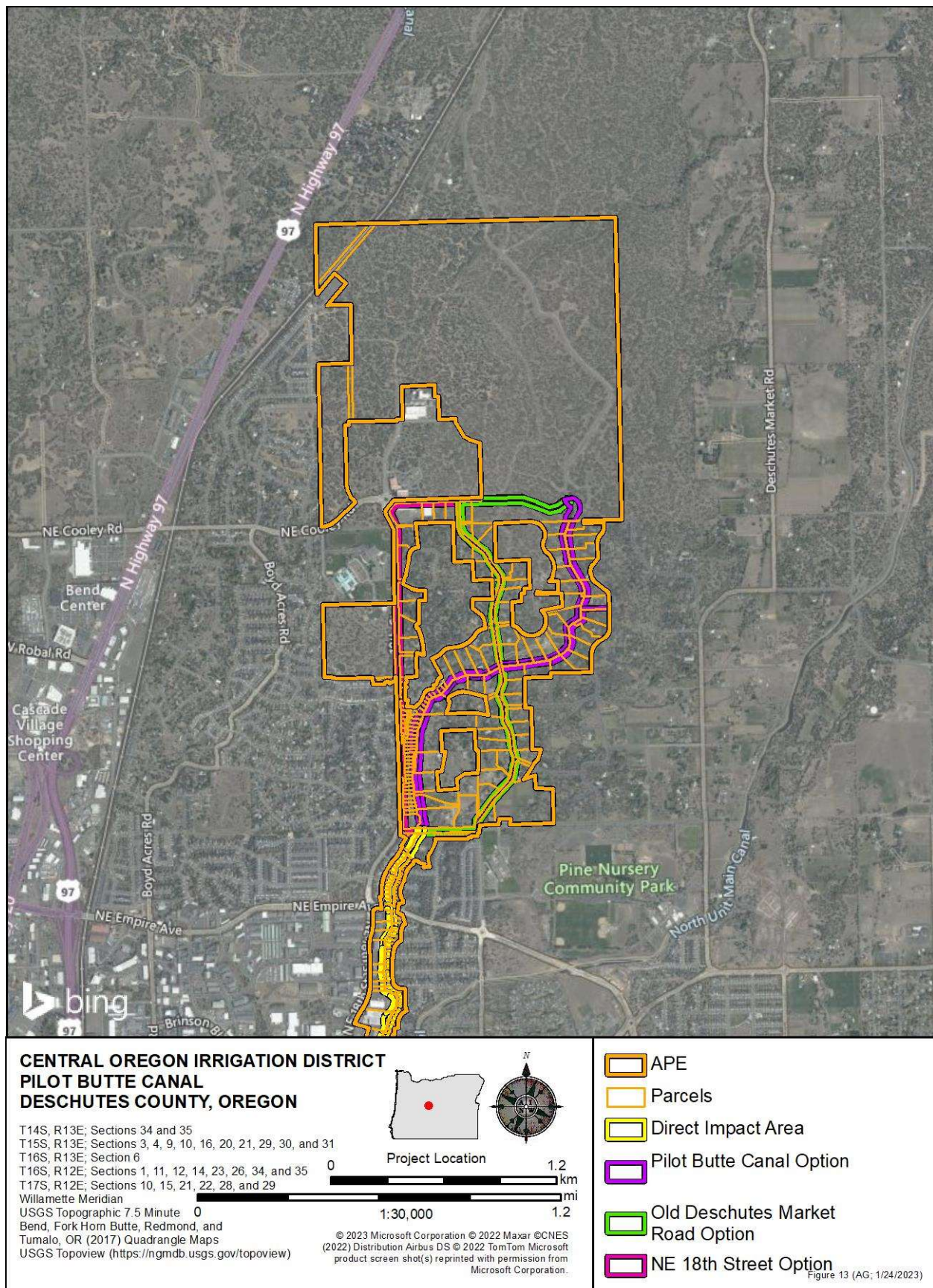


Figure 13. Aerial overview of the Central Oregon Irrigation District Pilot Butte Canal project APE in Deschutes County, Oregon, showing the portion of the project with three options.

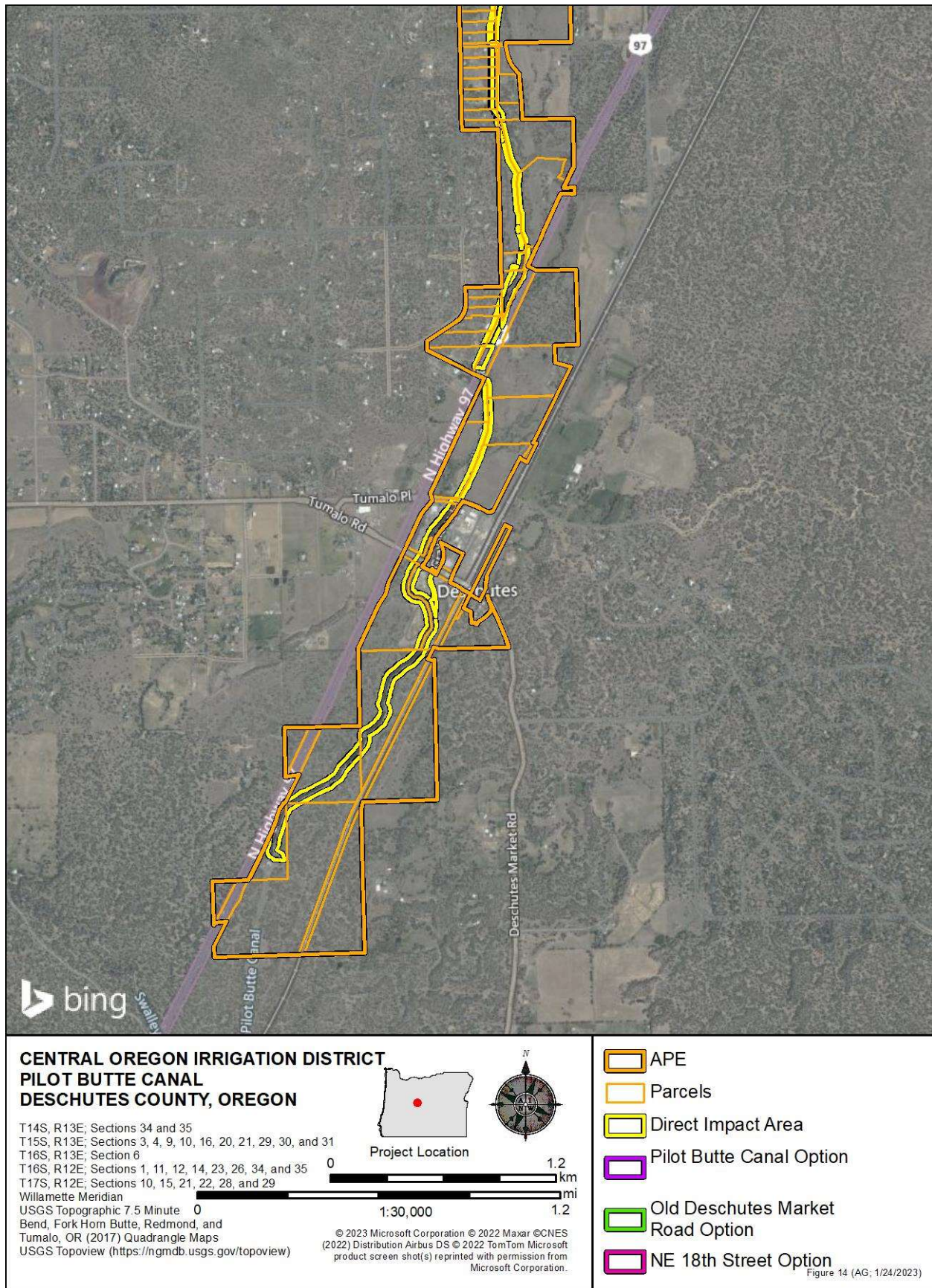


Figure 14. Aerial overview of the Central Oregon Irrigation District Pilot Butte Canal project APE in Deschutes County, Oregon.

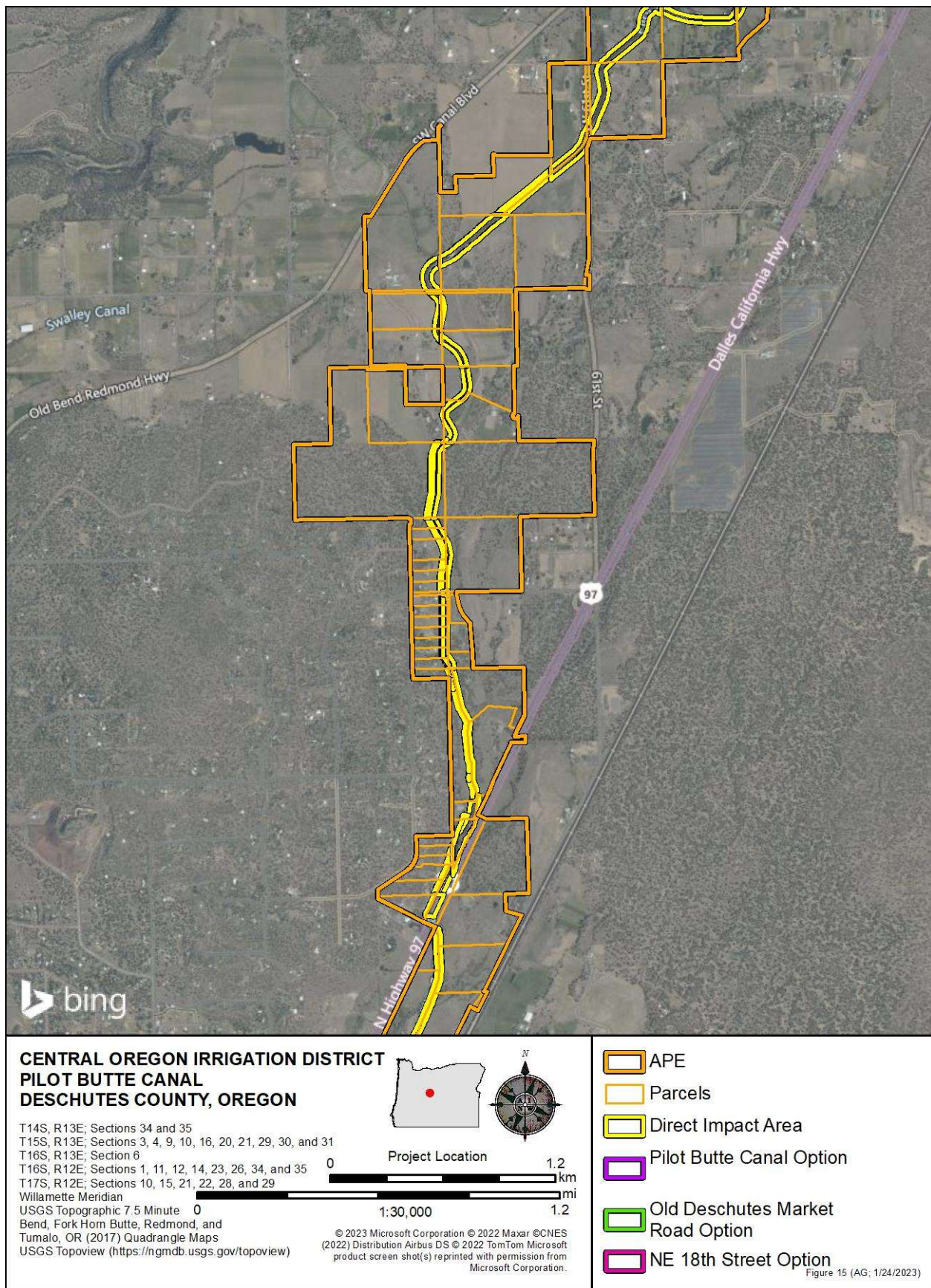


Figure 15. Aerial overview of the Central Oregon Irrigation District Pilot Butte Canal project APE in Deschutes County, Oregon.

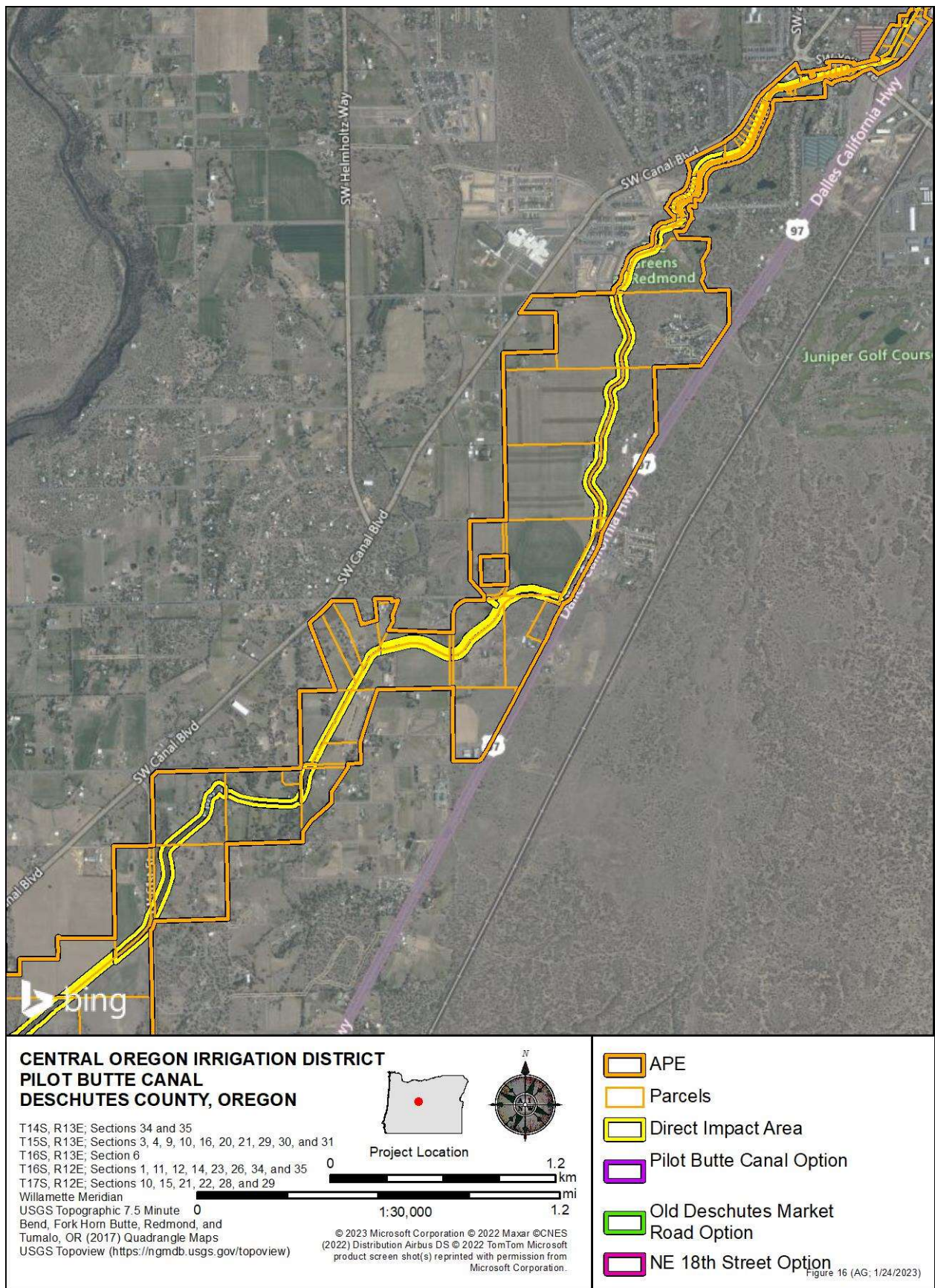


Figure 16. Aerial overview of the Central Oregon Irrigation District Pilot Butte Canal project APE in Deschutes County, Oregon.

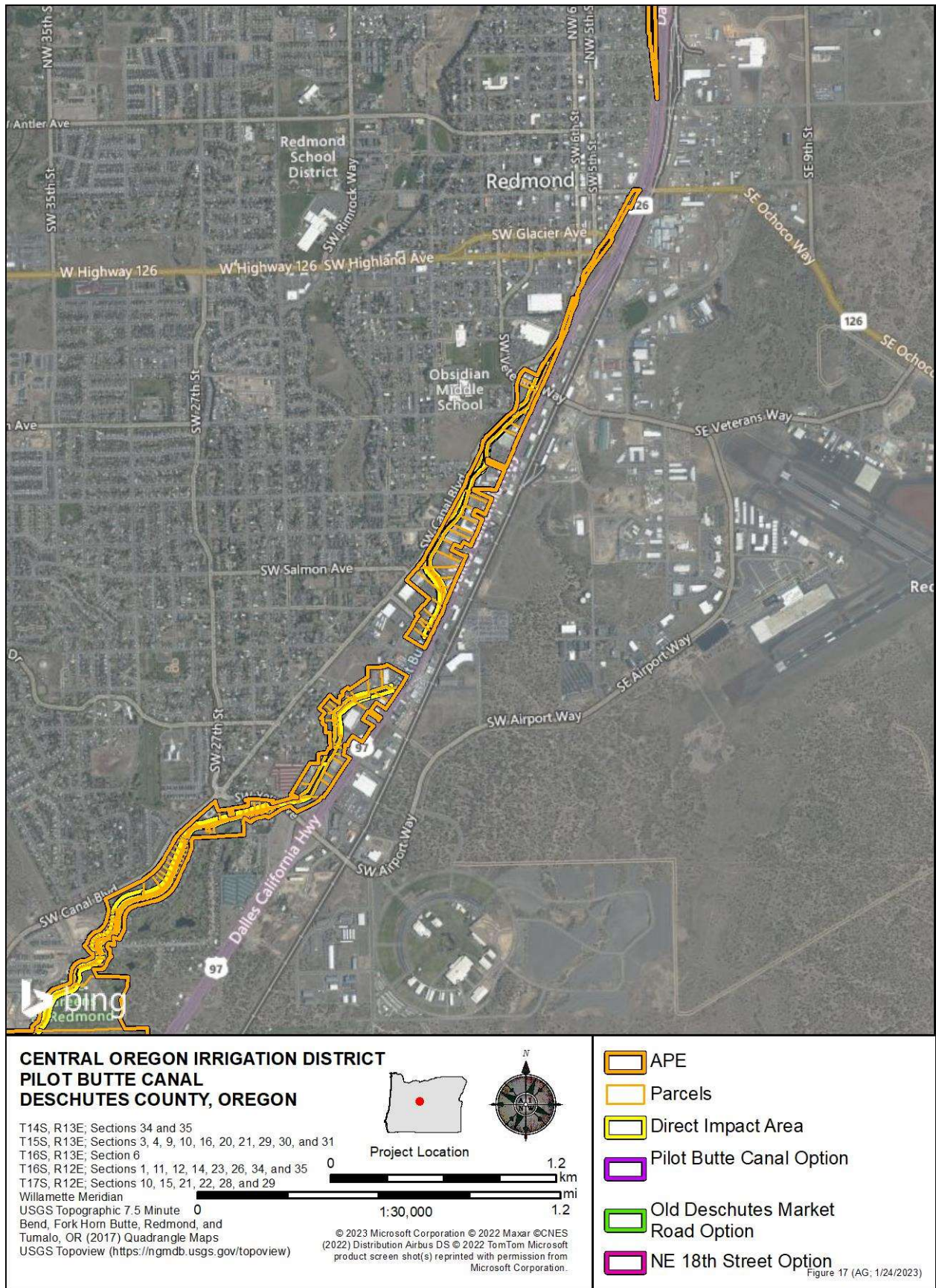


Figure 17. Aerial overview of the Central Oregon Irrigation District Pilot Butte Canal project APE in Deschutes County, Oregon.

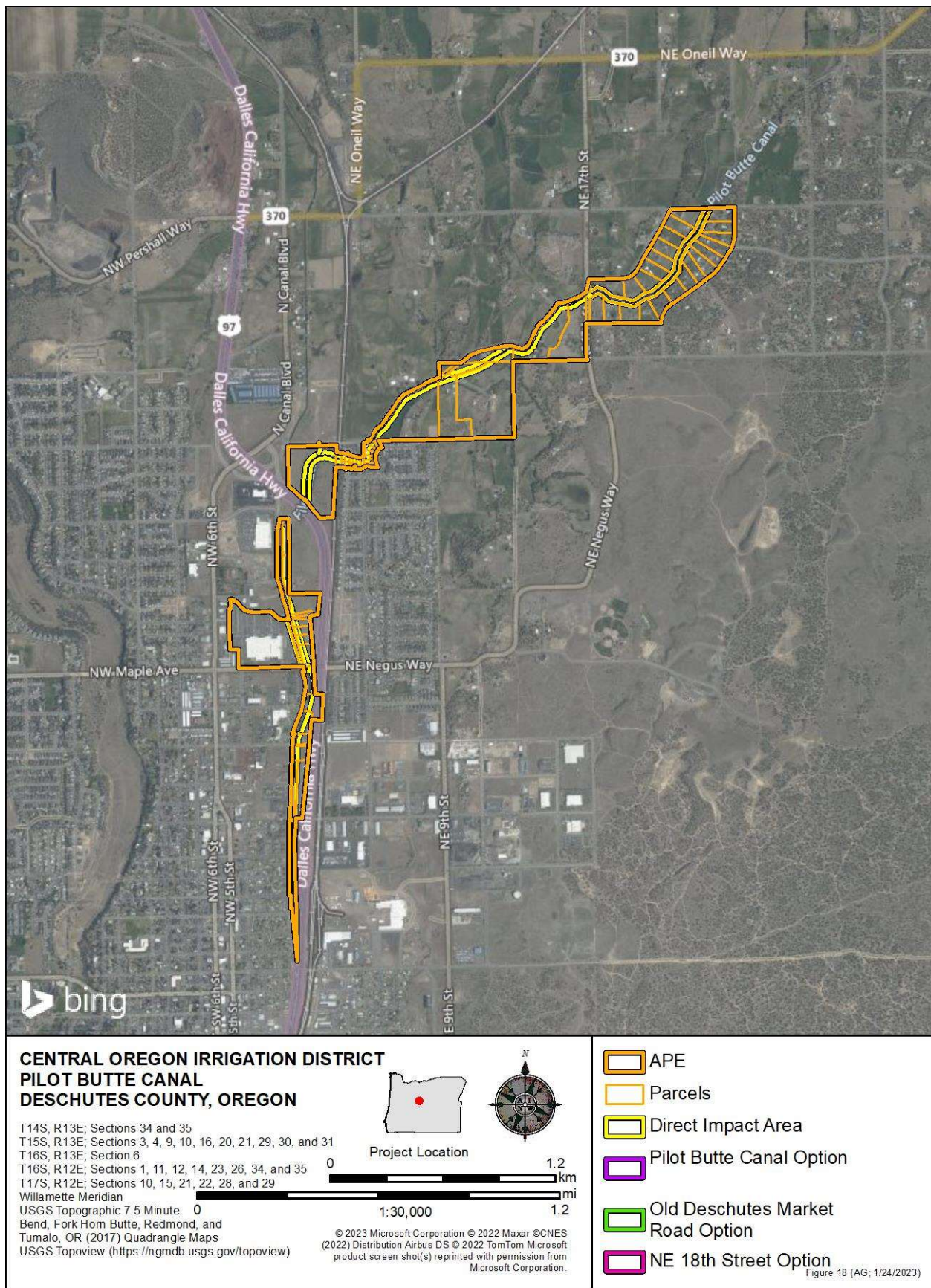


Figure 18. Aerial overview of the Central Oregon Irrigation District Pilot Butte Canal project APE in Deschutes County, Oregon.



Oregon

Tina Kotek, Governor

Parks and Recreation Department

Oregon Heritage/
State Historic Preservation Office
725 Summer St. NE, Suite C
Salem, OR 97301-1266
(503) 986-0690
Fax (503) 986-0793
oregonheritage.org



March 8, 2023

Mr. Michael Petrozza
USDA-Natural Resources Conservation Service
1201 NE Lloyd Blvd., Ste 900
Portland, OR 97232

RE: SHPO Case No. 22-0850

NRCS, COID Pilot Butte Canal Pipeline Project

Closed conduit pipeline including staging, excavation, fusing, new pipe, backfill, restoration, reseeded
Multiple legals, Deschutes County

Dear Michael Petrozza:

Thank you for submitting information for the undertaking referenced above. We concur with the proposed Area of Potential Effect (APE) and proposed identification efforts. We look forward to receiving documentation of identification efforts, determinations of eligibility for historic properties within or adjacent to the APE, as necessary, and a finding of effect for the undertaking including both direct and indirect effects. If the APE or undertaking changes, notify our office as further consultation may be needed before proceeding with identification efforts.

If you have not already done so, be sure to consult with all appropriate Native American tribes and interested parties regarding the proposed undertaking especially in reference to Historic Properties of Religious and Cultural Significance to Indian Tribes (HPRCSITs) per 36 CFR Part 800.4(b). Additional consultation regarding this case must be sent through Go Digital. In order to help us track the undertaking accurately, reference the SHPO case number above in all correspondence.

Please contact our office if you have any questions, comments or need additional assistance.

Sincerely,

Jamie French, M.A.
Assistant State Archaeologist
(503) 979-7580
Jamie.French@oprds.oregon.gov

cc: Shane Phelps, Parametrix, Inc



11/7/2023

Christine Curran
State Historic Preservation Office
725 Sumner St. NE Suite C
Salem, OR 97301-1266

RE: Pilot Butte Canal Watershed Plan -EIS

Dear Ms. Curran:

The Natural Resource Conservation Service (NRCS) intends to award grant monies under the PL-566 Watershed Modernization Program to the Central Oregon Irrigation District (COID), with the goal of conserving water and power, reducing maintenance effort and cost, and increasing reliability in deliveries to district patrons by piping and modernizing the open, earthen canals. COID contracted Parametrix Engineering to conduct a preliminary inventory of the Built Environment within the Area of Potential Effect (APE) of this plan Environmental Impact Statement (EIS). NRCS has reviewed the accompanying documentation and believes that a "good faith effort" has been undertaken to support the identification of Historic Properties within the APE.

Sincerely,

Michael Petrozza

Michael Petrozza
USDA-NRCS State Cultural Resources Specialist

enclosure: map

cc: Amy Hendershot, USDA-NRCS Resource Conservationist
Gary Diridoni, USDA-NRCS State Watershed Planner
George Kramer, Kramer & Co.
Shane Phelps, Parametrix Engineering Inc.

OR SHPO SUBMITTAL FORM

RESPONSE REQUIRED IN ALL SECTIONS

EISX-005-53-000-1769089867

WHY

This submittal is (Select One) ☐ the First Initiation of Consultation and no SHPO Case # exists
☐ a Response to SHPO Request for more information on existing SHPO Case # provided below
☒ New Information for review on existing SHPO Case # provided below
22-0850 Existing SHPO Case #

WHAT

Your Project Name Pilot Butte Canal Watershed Plan-EIS
Your Project Number
Extremely Brief Project/Undertaking Description
Closed conduit pipeline including staging, excavation, fusing, new pipe, backfill, restoration, reseeding

WHERE

Project Location
County(s) Deschutes
Street Address City Redmond
OR Legal Description T/R/S Multiple
OR Long/Lat (decimal degrees to 4 decimal places) Long Lat

WHO RECEIVES CORRESPONDENCE FROM THE SHPO

If not the Formal Contact, the Working Project Contact is who the SHPO communicates with for more information about the project and/or submittal package

Formal Contact		Working Project Contact (cc'd on all correspondence to Formal Contact)	
Name	Michael Petrozza	Name	
Org	USDA-NRCS	Org	
Address	1201 NE Lloyd Blvd.	Address	
Address	Suite 900	Address	
City/ST/Zip	Portland, Oregon, 97232	City/St/Zip	
Phone	503.414.3212	Phone	
Email	Michael.Petrozza@usda.gov	Email	

HOW

Is there a federal nexus for the project (funding, permitting, licensing, etc.)? ☒ Yes ☐ No
Ownership of Project Land? ☐ Private ☐ Public ☒ Both

Additional Comments (Optional)

PRELIMINARY EVALUATION OF HISTORIC BUILT RESOURCES WITHIN THE AREA OF PROJECT EFFECT
CENTRAL OREGON IRRIGATION DISTRICT, REDMOND, OR (George Kramer spoke with Ian Johnson
regarding this plan to outline the properties preliminarily rather than a formal Finding of Effect).

SUBMITTED TO SHPO FOR

☒ Built Environment Review
☐ Archaeology Review
☐ Both Built and Archaeology Review

SUBMITTAL EMAIL ACCOUNT

ORSHPO.Clearance@oregon.gov

ADDITIONAL ATTACHMENTS (Select All that Apply & Attach Individually)

☒ Cover Letter
☐ Map(s) (Required for Archaeology if not included in a Report)
☐ Oregon SHPO Clearance Form (Built Environment)
☐ 106 Documentation Form (Built Environment)
☒ Built Environment Only Report
☐ Archaeology Report INCLUDING State of Oregon Report Cover Sheet
☐ Combined Arch & Built Report INCLUDING State of Oregon Report Cover
☐ Sheet BLM or USFS Archaeology Site Record(s) # Individually Attached
☐ Spatial Data
☐ Other 1 (Name It)
☐ Other 2 (Name It)
☐ Other 3 (Name It)

State Historic Preservation Office

Report Cover Page

Year: 2023

Title: Pilot Butte Canal Watershed Plan-EIS Project

Author(s): George Kramer

Agency/Client: Kramer & Company/Parametrix

District/Contractor:

Agency/Client Report#:

Project Acres:

Survey Acres:

County(ies): Deschutes



Township:

Range:

Section(s):

Township:

Range:

Section(s):

Archaeological Permit Number(s):

Accession Number:

Reports submitted to: Tribes: ☐ UOMNCH: ☐ LCIS: ☐

Curation:

Report Addresses Testing: ☐Have tribes been
contacted or consulted?

List tribes:

List any other groups
contacted or consulted:

Report is associated with:

PA



MOA



**REPORTS WITHOUT A COMPLETE AND ACCURATE COVER PAGE AND APPROPRIATE ADDITIONAL PAGES
MAY BE RETURNED. CHECK THE SHPO WEBSITE TO MAKE SURE YOU HAVE THE MOST CURRENT VERSION.**

County(ies):

RESOURCES

Count: 62

***Please be sure all archaeological forms have been submitted on-line**

EVALUATE PROPERTIES UNDER ALL FOUR CRITERIA. BE SURE TO INCLUDE JUSTIFICATION IN THE REPORT

Form #: Trinomial: Temp# or Name: Criterion A: Criterion B: Criterion C: Criterion D:

NRHP ELIGIBILITY

PILOT BUTTE CANAL WATERSHED PLAN- EIS PROJECT

PRELIMINARY EVALUATION OF HISTORIC BUILT RESOURCES WITHIN THE AREA OF PROJECT EFFECT
CENTRAL OREGON IRRIGATION DISTRICT, REDMOND, OR



"Earth Canal" Deschutes County, Oregon

Circa 1905

(Kramer Collection)

for COID/Parametrix

Prepared by George Kramer, M.S., HP
Kramer & Company, Ashland, OR

SHPO SUBMITTAL

October 2023

Pilot Butte Canal Watershed Plan -EIS Project
Preliminary Evaluation – Historic Built Resources within the APE
October 2023

The following analysis and survey documentation was prepared in connection with the proposed Pilot Butte Canal Watershed Plan, concerning a twenty-two mile long irrigation canal owned and operated by the Central Oregon Irrigation District (COID). The Pilot Butte Canal, originally constructed in 1904-1905, is part of a system that conveys water from the Deschutes River to water users in Bend and Redmond, both in Deschutes County. The historic significance of the Pilot Butte Canal has been extensively evaluated and a portion is listed in the National Register of Historic Places. As stated in the approved nomination in 2016, “The Pilot Butte Canal Historic District (Cooley Road – Yeoman Road Segment) is being nominated for listing in the NRHP *under Criterion A in the areas of Exploration and Settlement and Agriculture*, for its association with the founding of the largest cities in Central Oregon, Bend and Redmond. (emphasis added).” The Period of Significance was established as 1905-1921 (NRIS 15001052, listed 8-February-2016).¹

This current document is limited to evaluation of built resources **abutting the canal** or within the larger project Area of Potential Effect (APE), including areas currently under consideration for minor re-routing, access, and other construction-related activities. Potential impacts to the canal itself, assumed to be remain eligible, will be evaluated separately. In general, the resources within the APE included in this analysis may be defined as those tax lots immediately adjacent to, or otherwise impacted, by the proposed piping project, but excluding the canal itself.

EVALUATION PROCESS

The APE as approved by SHPO contains 598 individual tax lots of all types recorded in the Deschutes County Property Information System (DIAL). That database served as the primary data source for the identification of potentially historic resources.² DIAL data includes information for multiple improvements on any single lot, including “Year_Built” data. Analysis of DIAL data for tax lots within the APE identified seventy-nine (79) resources with the primary improvement (field name “impr_ID_1”) dated 1979 or earlier, or forty-five (45) years old. Additional analysis of secondary improvements (field name “impr_ID_2”) either added or removed resources based on other factors including description and/or square footage) yielding a preliminary resource of interest list containing sixty-two (62) resources within the APE.³

Quantitative analysis of these preliminary resources based on DIAL’s “Year_Built” field for the primary improvement documents that the oldest resource within the APE reportedly having been built in 1912. Percentage by construction date are shown in Table 1.

¹ Hall, Michael A. and Patricia A. Kliever, *Pilot Butte Canal Historic District, National Register of Historic Places Registration Form*, October 2014, (NRIS 15001052, listed 8-February-2016).

² DIAL is accessible online at no cost, via <http://dial.deschutes.org/>.

³ For example, resources with earlier (pre-1950) dates in the “impr_ID_2” field were removed when the reported size of that resource was less than 100 s.f., on the assumption that it was minor shed or pump house that was unlikely to be individually significant.

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Table 1: APE Resources by Year_Built (DIAL Data Analysis)

Year_Built	Total	% of Total
Undated (demolished)	1	2%
1910s ⁴	1	2%
1920s	6	10%
1930s	4	6%
1940s	4	6%
1950s	12	19%
1960s	5	8%
1970s	27	44%
1980s-	2	4% ⁵

For context, of the remaining 538 properties within the APE per DIAL, twenty-six (26) were built between 1980 and 1989, seventy-four (74) were built between 1990 and 1999, and two-hundred sixty seven (267) were built between 2000 and 2021. One hundred fifty (150) lots have no “Year_Built,” data, including vacant lots, parking lots and various public improvements. DIAL data for the 538 resources within the APE is included as Appendix A to this report. In summary, of the 448 built resources within the APE, 367 (82%) were built since 1980.

Fieldwork was undertaken by George Kramer, M.S., HP, Kramer & Company, Ashland under contract to Parametrix Engineering/COID, and occurred in late June 2023. Each of the sixty-two (62) resources dated 1979 or earlier and identified as potentially historic within the APE were field checked. Photography and reconnaissance from the public right-of-way provided data for the attached Oregon SHPO standard surveys. Resources not visible from the right-of-way were evaluated reliant upon aerial mapping from Google Earth and USGS EarthExplorer platforms as possible. Oregon Historic Sites Inventory Forms (RLS-One-page) printouts for all sixty-two identified properties within the APE are included as Appendix B to this report.

GENERAL COMMENTS:

Resources with the APE, with the exception of the Highway 97 corridor are, in general, small scale residential development, the vast majority of which were constructed after 1980.

⁴ The property dated 1916, 4002 SW Elkhorn Avenue, was demolished subsequent to the DIAL data download and that location is now an element of a recent multi-family development. Corrected resource analysis is included in this document as part of the RLS survey.

⁵ Primary resources dated 1980 or later were included based on the date and comparative size of a secondary resource, as in a 1984 house with a secondary resource such as a farm outbuilding of 300 sf, or similar, dated 1940.

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As shown in Figures 2-3, the study area from the time of the original development of the Pilot Butte Canal remained sparsely developed for the first half of the 20th century, most developed being widely scattered farmsteads. The Pilot Butte Canal, constructed in 1904-1905, remains the oldest known built resource within the APE. Only six identified resources within the entire APE (only five of which remain) were built during the previously established period of significance for the Pilot Butte Canal Historic District (Cooley Road – Yeoman Road Segment).⁶

The population of Bend and Redmond increased significantly in the decades post 1960. In 1920, for example, total Deschutes County population was just 9,622.⁷ Although population more than doubled over the next two decades, to 18,631 in 1940 and 21,812 by 1950, the county remained relatively sparsely populated as late as 1960, at 23,100. Over the next twenty years population grew rapidly, more than doubling again by 1980, to 62,142. Population growth, while more gradual since 2010, still remains among the highest in Oregon. Deschutes County today has a population of 210,000 according to current census data.⁸

The majority of surveyed resources, based on date of construction, are single family residential construction built in 1965 or later, following the rapid shift in the project area from rural agricultural development to increased residential and commercial uses. Figures 4-5 document the extent of current development in the northern half of the APE, near Redmond. Growth in the southern half, in Bend, is of similar extent.

⁶ Hall and Kliewer, op cit.

⁷ Deschutes County, established by partition from Crook County in 1916, has a total area of 3,055 square miles, 3018 of which are land (www.deschutes.org/ visited 19-July-2023).

⁸ See www.worldpopulationreview.com, “Deschutes County, OR” visited 19-July-2023.

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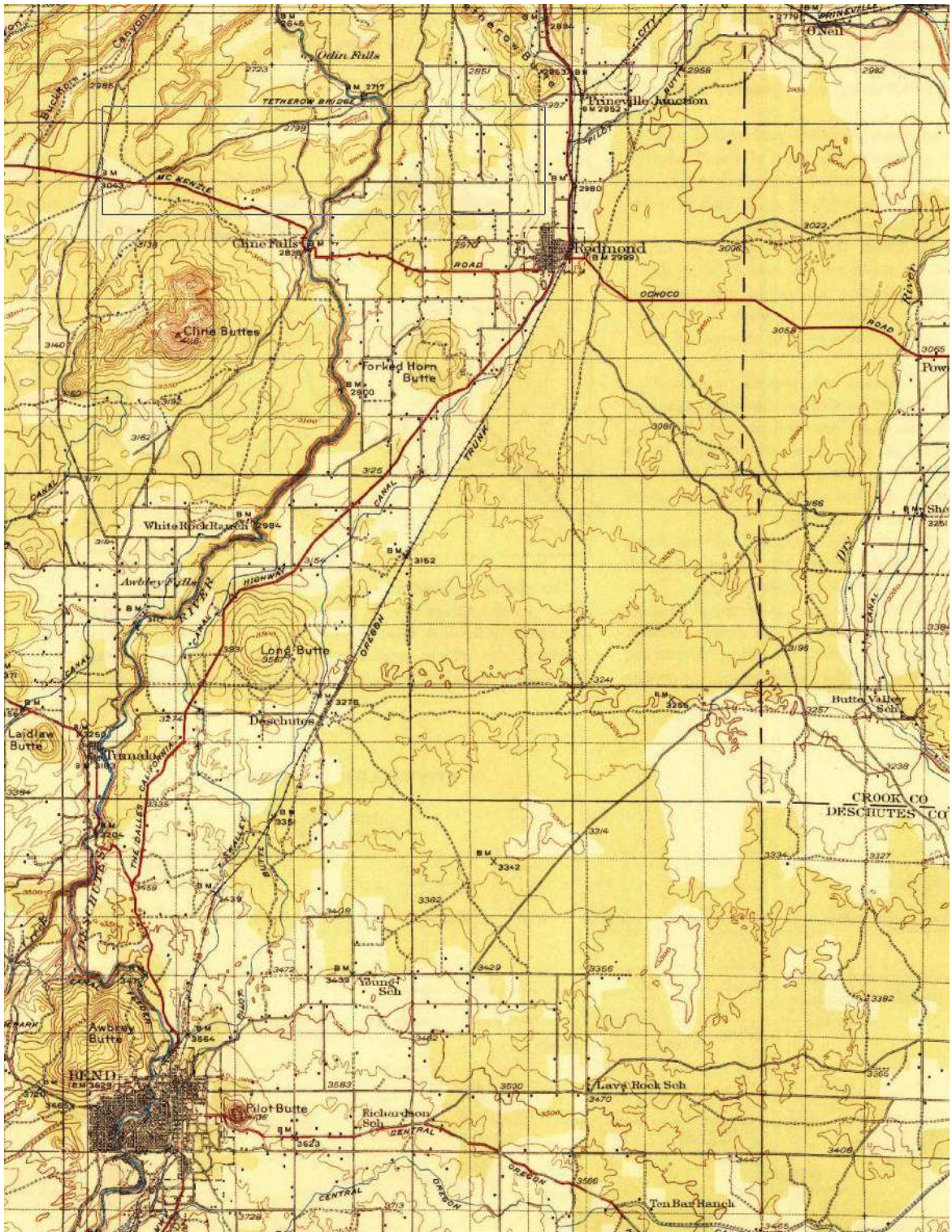


Figure 1: General Project Area, Historic
USGS "Bend, OR" 15m Quadrangle, 1929

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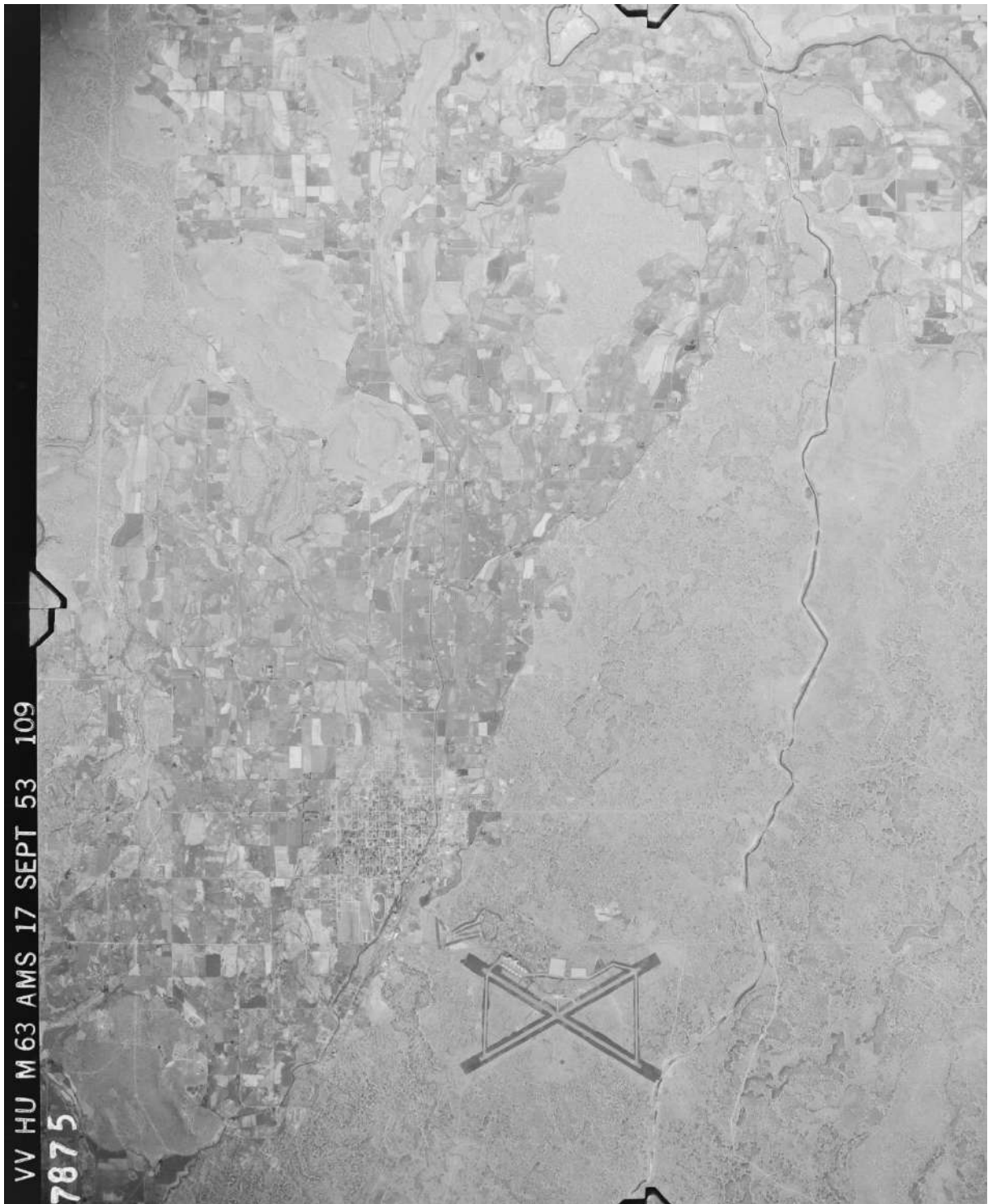


Figure 2: USGS Redmond Aerial Image, September 1953
(USGS, Earth Explorer Image)

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Figure 3: USGS Redmond Aerial Image, September 1953
Detail of Northern APE Area
(USGS, Earth Explorer Image)

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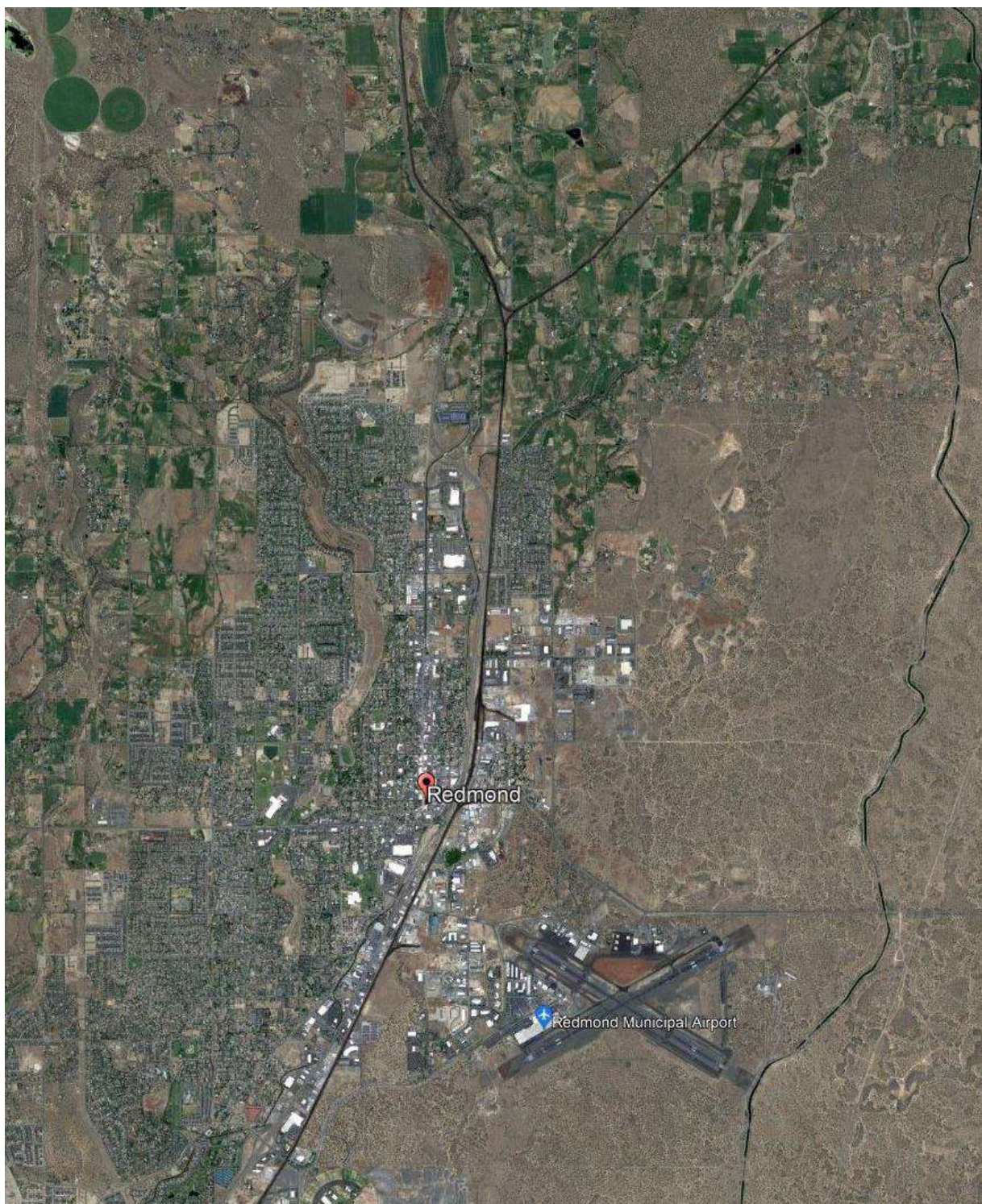


Figure 4: Redmond, OR
(GoogleEarth Image, June 2022)

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Figure 5: Detail, Redmond, Northern APE area
(GoogleEarth Image, June 2022)

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As documented, the vast majority of the 1975-or earlier resources within the study area do not appear to have any potential significance that would support eligibility for listing in the National Register of Historic Places. Four (4) resources within the APE, based on date of construction, design and integrity are considered potentially eligible. These are shown in Table 2

TABLE 2: POTENTIALLY ELIGIBLE RESOURCES

Address	Tax Lot ID	Description/Comment	Image
64975 Deschutes Pleasant Ridge Road	16S-12E-26BO-800	Built c1920, this property includes multiple resources with a single story wood frame residence, stacked stone barn/outbuilding and at least three other outbuildings dated 1940-1950 according to the county. The large 16.15 acre parcel includes a second dwelling that appears related. While in only fair condition, this rural complex is considered potentially eligible under Criterion A (association) and C (design) for its architecture.	
6240 SW43rd Street	15S-13E-31-500	Built c1930, although dated 1949 by the county, this resource appears to have been built earlier. Somewhat modified, this small one-story wood frame dwelling retains sufficient integrity to relate its original design and is located within a rural area on a mature landscaped lot. The resource is considered potentially eligible under Criterion A (association)	

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		and C (design) for its architecture.	
2190 SW Canal Blvd	15S-13E-04DA-200	Built c1929, this one and one-half story wood frame farmhouse is sited facing the Pilot Butte Canal, with Hwy 97 to the east. Multiple rural farm outbuildings, including some dated 1910 by the County, remain, within a mature 1.40 acre setting. Although compromised by adjacent development and currently boarded up and vacant, the property may have both associational and design significance and is considered potentially eligible under Criterion A (association) and C (design) for its architecture.	 
1000 NE King Way	15S-13E-3-500	Built c1920, this one story wood frame bungalow retains substantial integrity and is among the oldest standing structures within the study area. Further research might document associative significance through association with early residential development in the region. The property is considered potentially eligible under Criterion A (association) and C (design) for its architecture.	

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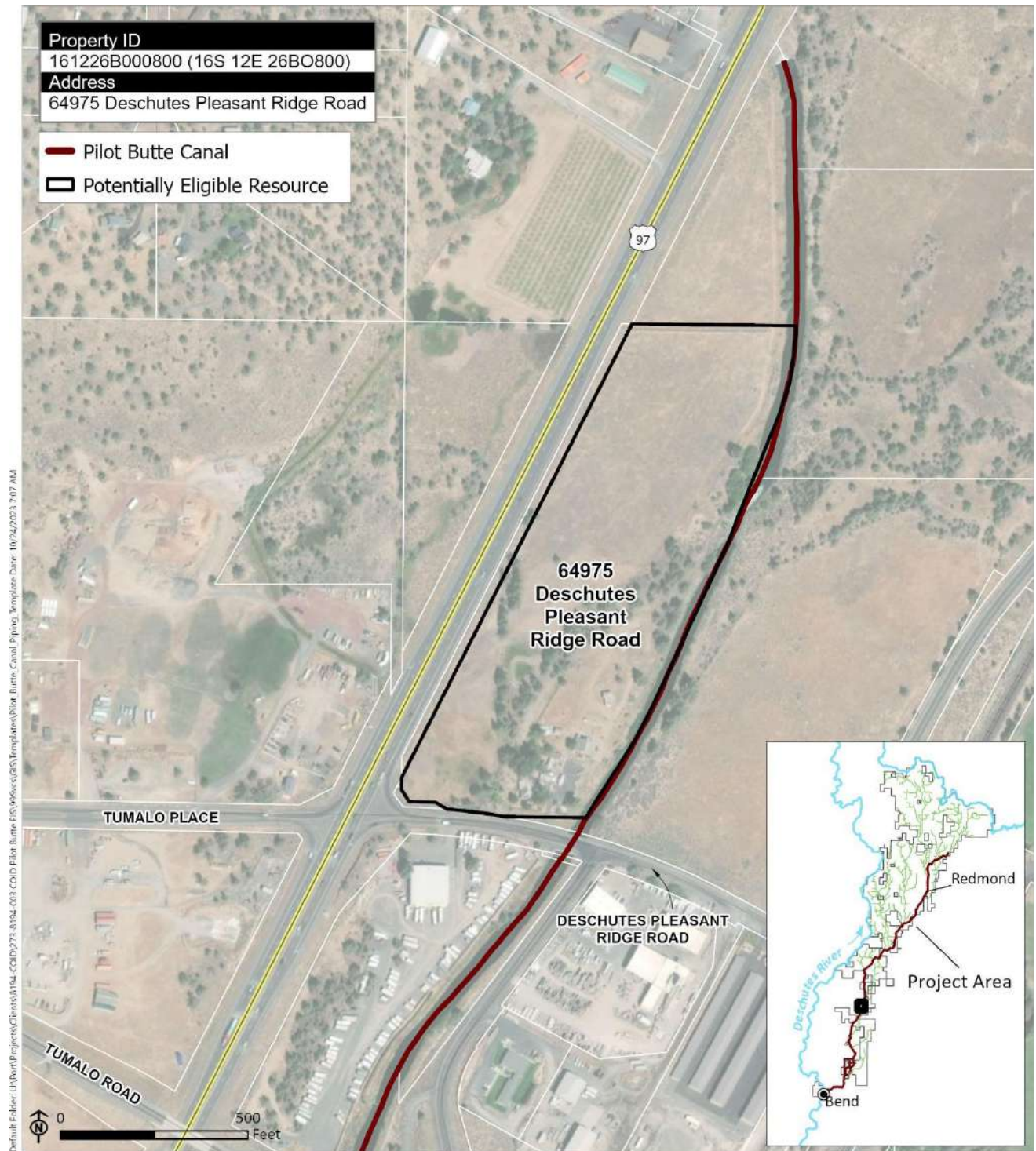


Figure 6: Potentially Eligible Resource
64975 Deschutes Pleasant Ridge Road
(Deschutes Cty GIS/Parametrix 2023)

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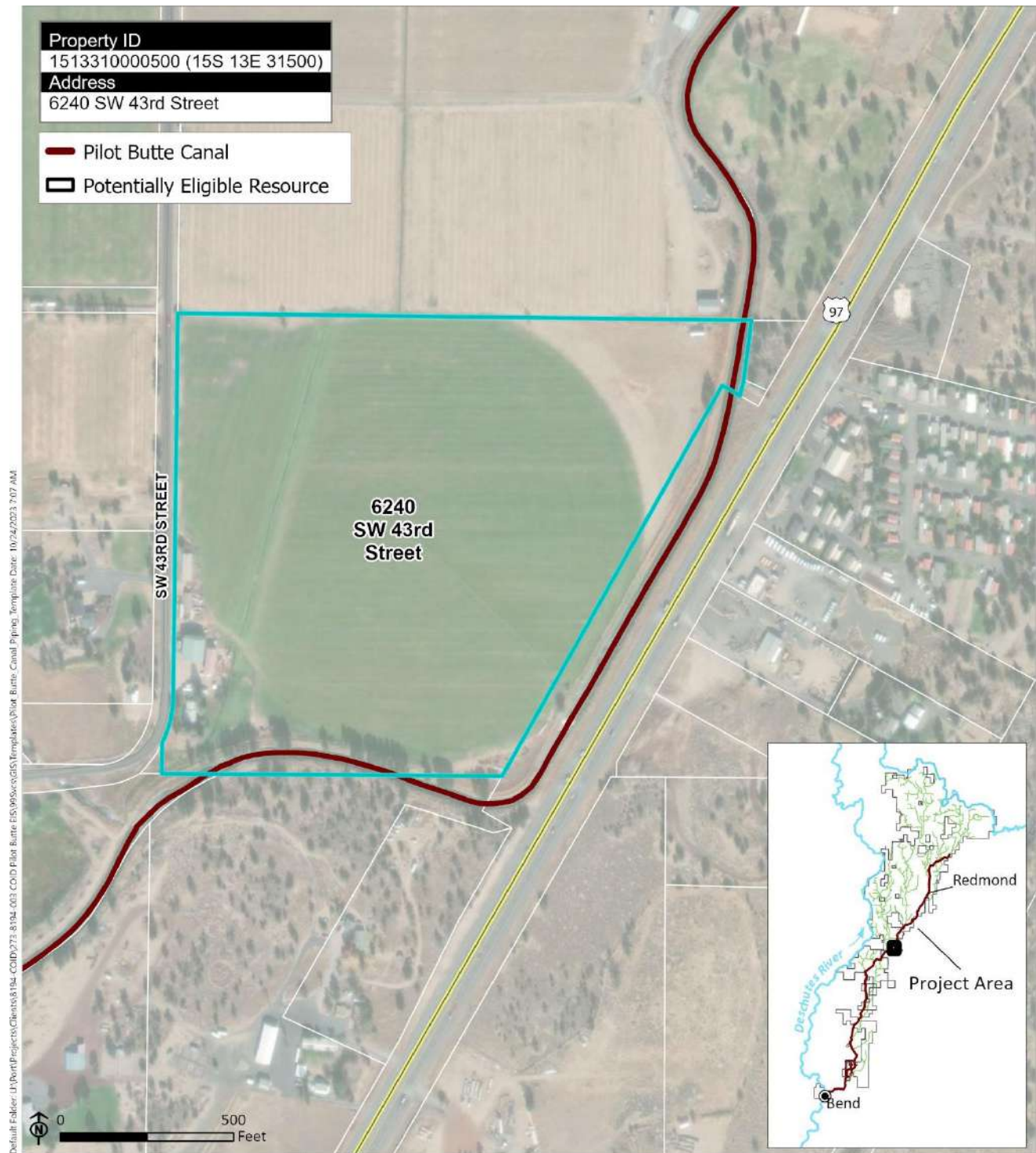


Figure 7: Potentially Eligible Resource
6240 SW 43rd St
(Deschutes Cty GIS/Parametrix 2023)

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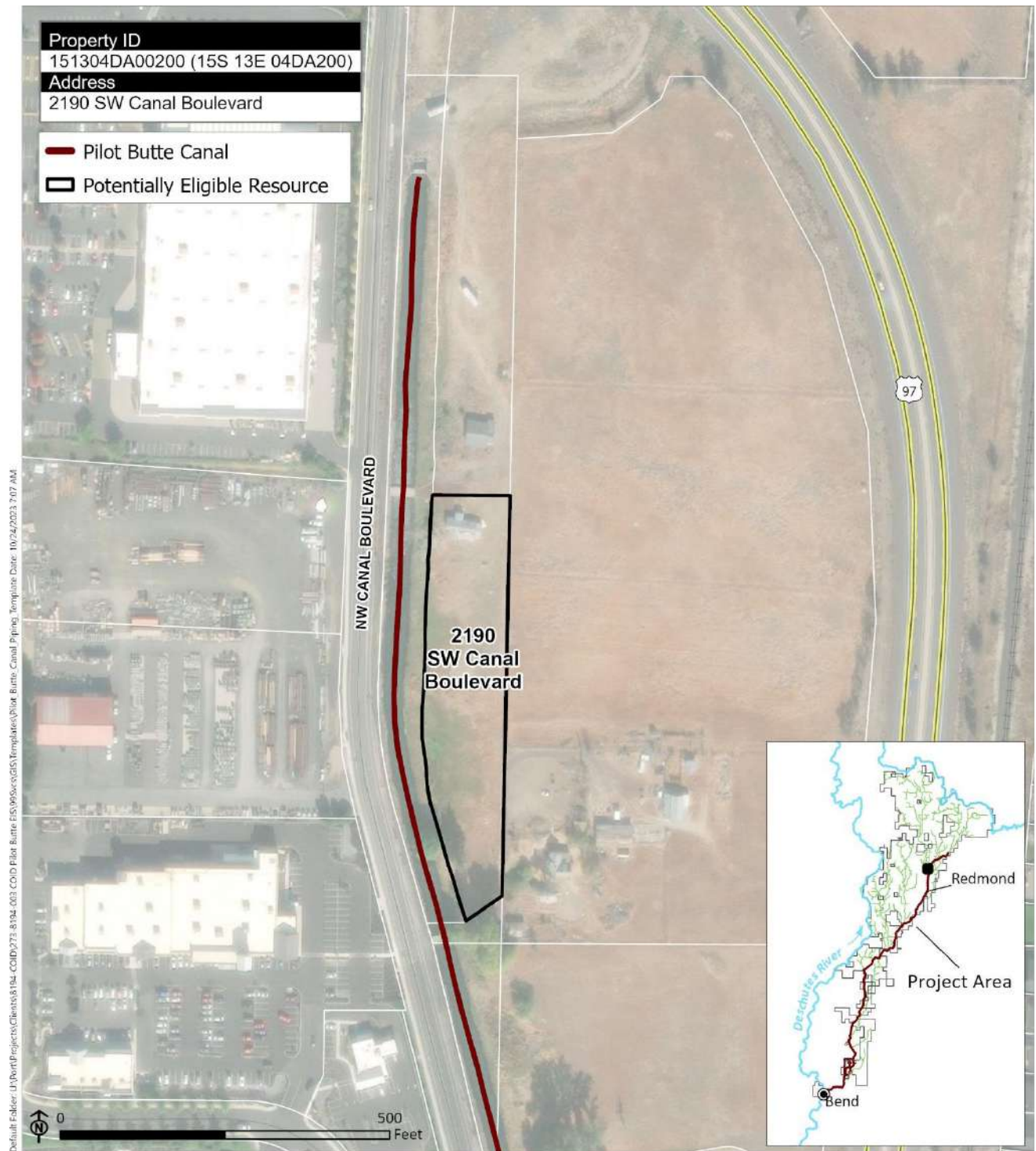


Figure 8: Potentially Eligible Resource
2190 SW Canal Blvd
(Deschutes Cty GIS/Parametrix 2023)

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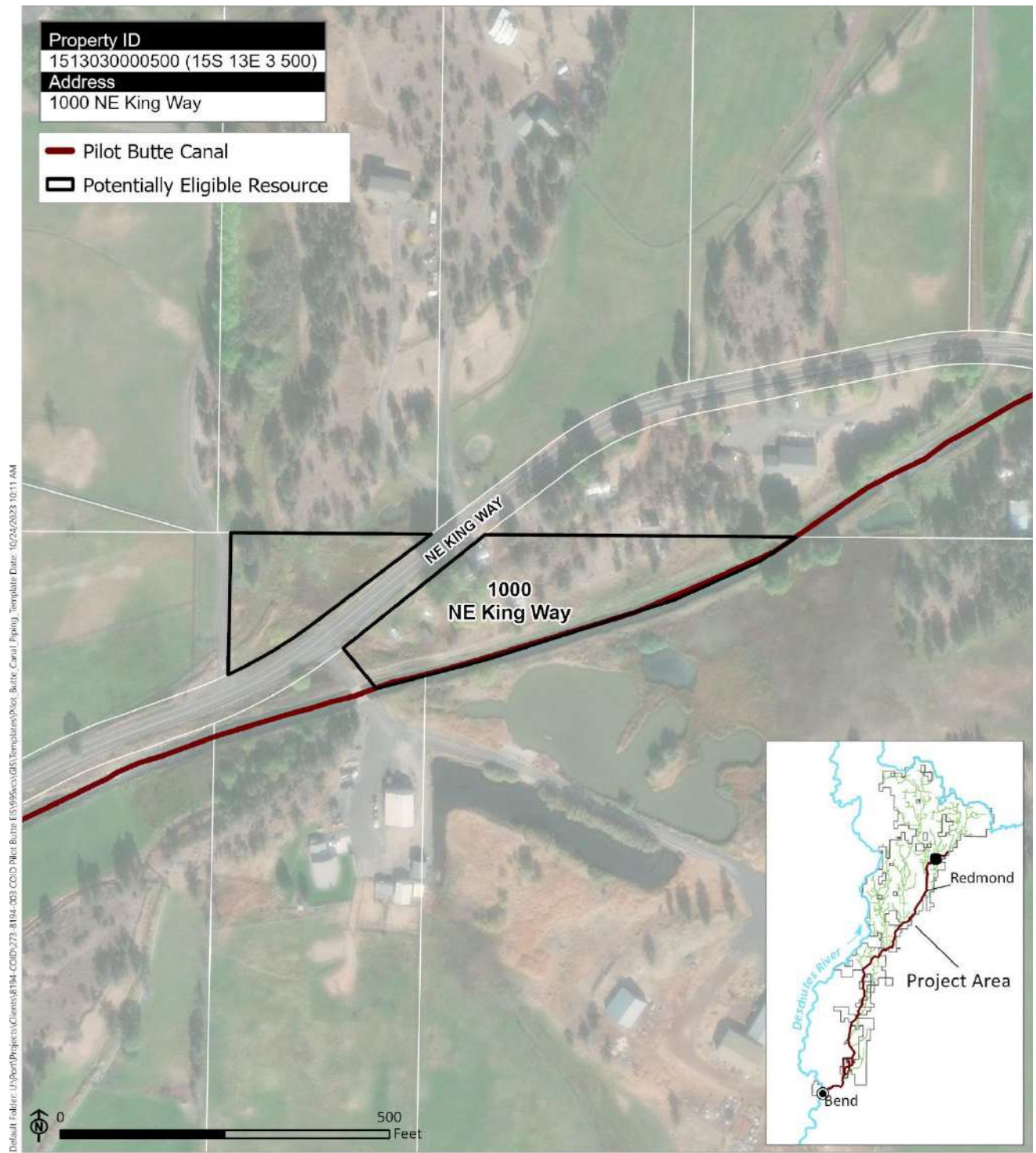


Figure 9: Potentially Eligible Resource
1000 NE King Way
(Deschutes Cty GIS/Parametrix 2023)

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The use and future of two of these potentially historic properties is unclear, as the buildings appear vacant, are boarded up and seem unused. The property at 2190 SW Canal Blvd was recently sold to a commercial interest that may be planning redevelopment of the site.⁹

Once the project design for the Pilot Butte Canal Piping Project is finalized, should any of the potential eligible resources remain within the APE, they will need to be formally evaluated for eligibility for listing in the National Register of Historic Places.

SUMMARY

Built resources within the APE have, by a large majority, been developed within the past forty (40) years since 1983 and are not considered historically significant at this time. The remaining resources, built more than 45-years ago (1979 or earlier), are largely of common residential or commercial design and lack any obvious historic significance. Given the development history of the study area, only ten percent (10%) of the resources within the APE were built prior to 1975 and most of those, more than half, were built after 1967.

Twenty-two (22) resources (3.68%) within the APE were built in 1951 or earlier, an indication of the slow, agriculture-based, development of the area and its subsequent change. Identified entirely by date of construction, most of these lack any obvious architectural significance, and as confirmed in the field, many are of common, unremarkable design, or have been subsequently modified and retain limited integrity to their assumed original design. Only four built resources (0.67% of the total APE), *not including the Pilot Butte Canal* itself, within the study area are considered to have any potential historic significance that would support listing in the National Register of Historic Places.

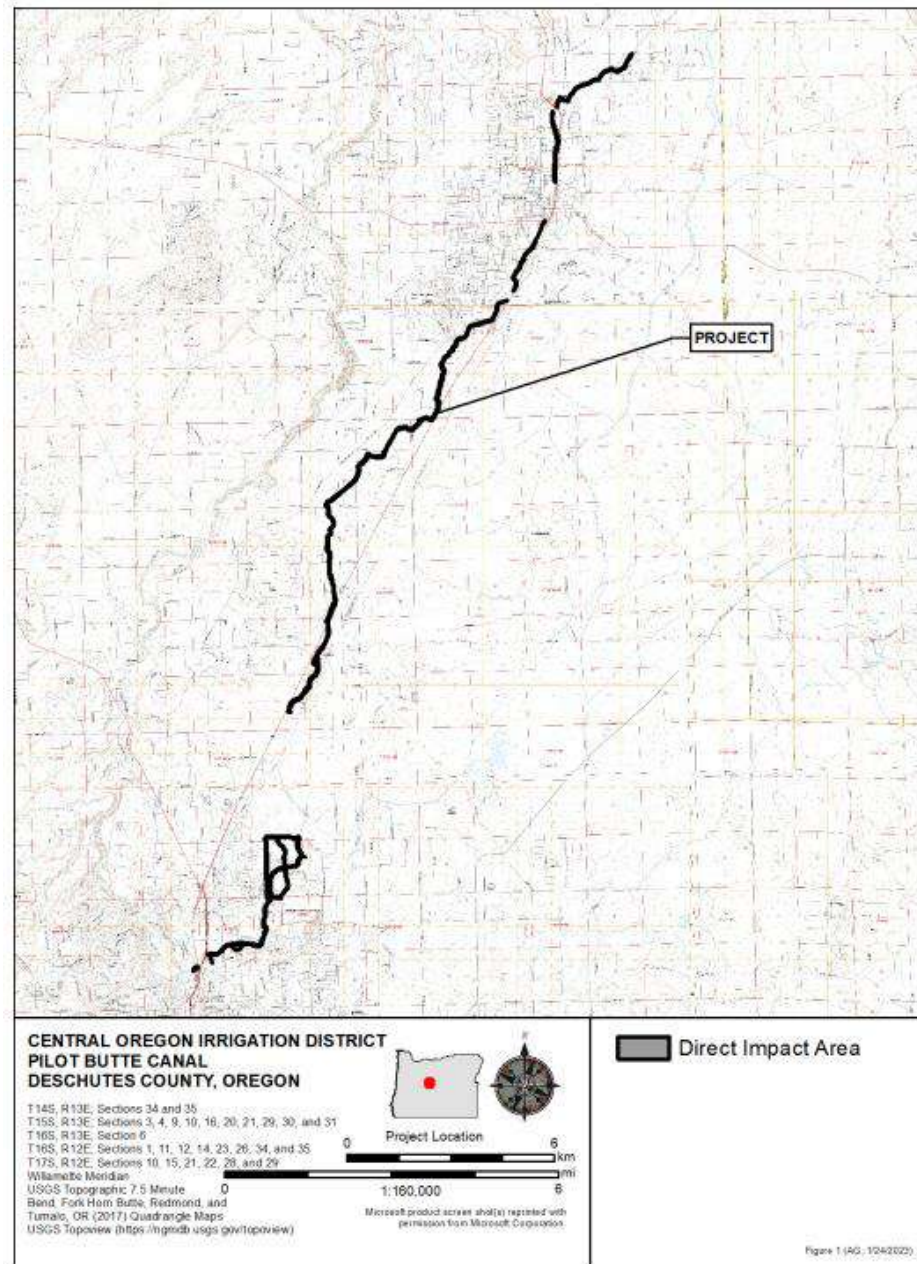
If the final project design includes any of the four resources identified in Table 2, additional research and evaluation, including formal Determinations of Eligibility and, if found eligible, Findings of Effect, should be prepared and submitted to the Oregon State Historic Preservation Office. Separate documentation on the continued eligibility and impacts on Pilot Butte Canal itself should also be prepared.

⁹ Per DIAL, the property was transferred to Vaultz Storage LLC in July 2021. Vaultz owns and operates a packing/moving storage container business in Redmond (see <https://vaultzstorage.com>, visited 10-July-2023).

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APPENDIX A

List of Identified Tax Lots within the Project APE as per Deschutes County Property Information (DIAL)



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TAXLOT	TOWNSHIRANGE	SECTION	PARCEL	Stat_Cla_1	Total_Sqft	Year_Built	Total_Sq_1	Year_Bui_1	Address	House_NumbStreet_Nam	City
171215DC00700	17	12	15	700 One story	1062	1912	1498	1979	21050 YEOMAN RD	21050 YEOMAN	BEND
1513310001100	15	13	31	1100 Two story	2768	1916	3640	1920	4002 SW ELKHORN AVE	4002 ELKHORN	REDMOND
161226B000800	16	12	26	800 One story	1787	1920	1728	1940	64975 DESCHUTES PLEASANT RIDGE RD	64975 DESCHUTES PLEASANT RIDGE	BEND
141335C001800	14	13	35	1800 One story with attic	2114	1920	80	1950	3795 NE 21ST DR	3795 21ST	REDMOND
1612120000200	16	12	12	200 One story with attic	984	1920	77	1975	5272 SW QUARRY AVE	5272 QUARRY	REDMOND
1513030000500	15	13	3	500 One story	768	1920	0		1000 NE KING WAY	1000 KING	REDMOND
151304DA00200	15	13	4	200 One story	1418	1929	64	1910	2190 NW CANAL BLVD	2190 CANAL	REDMOND
161306C000300	16	13	6	300 One story with attic	1252	1929	1440	2003	6531 S HWY 97	6531 HWY 97	REDMOND
171221DC00300	17	12	21	300 One story	612	1930	256	1935	62828 BOYD ACRES RD	62828 BOYD ACRES	BEND
171215CD00200	17	12	15	200 One story	1543	1930	0		63299 ANIKA LN	63299 ANIKA	BEND
171215CD00900	17	12	15	900 One story with attic	1999	1935	80	1940	20990 YEOMAN RD	20990 YEOMAN	BEND
161306C000200	16	13	6	200 One story	880	1939	899	1940	6485 S HWY 97	6485 HWY 97	REDMOND
151304DA00100	15	13	4	100 One story	1004	1944	0		2232 NW CANAL BLVD	2232 CANAL	REDMOND
161201D000500	16	12	1	500 One story w/attic and basement	2192	1945	240	1940	5093 SW QUARRY AVE	5093 QUARRY	REDMOND
1513310000500	15	13	31	500 One story with basement	1328	1949	132	1945	6240 SW 43RD ST	6240 43RD	REDMOND
161226A000200	16	12	26	200 One story	640	1949	1275	1949	65085 DESCHUTES PLEASANT RIDGE RD	65085 DESCHUTES PLEASANT RIDGE	BEND
161226A000200	16	12	26	200 One story	640	1949	1275	1949	65085 DESCHUTES PLEASANT RIDGE RD	65085 DESCHUTES PLEASANT RIDGE	BEND
161223B000100	16	12	23	100 GP Shed	48	1950	24	1950	21381 GIFT RD	21381 GIFT	BEND
161223B000103	16	12	23	103 GP Shed	90	1950	99	1950	65550 73RD ST	65550 73RD	BEND
161201D000100	16	12	1	100 GP Shed	120	1950	0		6505 SW 51ST ST	6505 51ST	REDMOND
1612110000100	16	12	11	100 One story with attic	1078	1951	840	1970	7785 SW 61ST ST	7785 61ST	REDMOND
141335C001100	14	13	35	1100 GP Shed	132	1960	248	1990	3110 NE WALNUT DR	3110 WALNUT	REDMOND
171215DC00400	17	12	15	400 One story	1572	1968	1152	1960	63245 OLD DESCHUTES RD	63245 OLD DESCHUTES	BEND
1612120000300	16	12	12	300 One story with basement	2112	1968	1500	1965	5680 SW QUARRY AVE	5680 QUARRY	REDMOND
171221DC00401	17	12	21	401 One story with attic	1416	1968	0		62820 BOYD ACRES RD	62820 BOYD ACRES	BEND
171215DC00300	17	12	15	300 Two story	3790	1969	360	1960	63285 OLD DESCHUTES RD	63285 OLD DESCHUTES	BEND
161223B000105	16	12	23	105 One story	2176	1970	576	1970	65522 73RD ST	65522 73RD	BEND
161306C000400	16	13	6	400 Machine Shed	432	1970	1272	1970	4545 SW QUARRY AVE	4545 QUARRY	REDMOND
141335C001600	14	13	35	1600 Lean-To	84	1970	1344	1976	3997 NE 21ST DR	3997 21ST	REDMOND
161214C000106	16	12	14	106 Machine Shed	240	1970	1296	1992	21378 GIFT RD	21378 GIFT	BEND
161201D000300	16	12	1	300 One story	1516	1971	252	1950	5351 SW QUARRY AVE	5351 QUARRY	REDMOND
151329A000311	15	13	29	311 One story	1612	1971	100	1971	3537 SW 26TH ST	3537 26TH	REDMOND
1413340002001	14	13	34	2001 Two story	2634	1971	320	1985	3315 NE 17TH ST	3315 17TH	REDMOND
151320DD03200	15	13	20	3200 One story	1320	1972	0		2934 SW MEADOW LN	2934 MEADOW	REDMOND
151329A000306	15	13	29	306 One story	1176	1972	0		2490 SW YEW AVE	2490 YEW	REDMOND
1513320000300	15	13	32	300 Single wide	840	1972	0		5063 S HWY 97	5063 HWY 97	REDMOND
1612230000500	16	12	23	500 Warehouse - Service Garage	2240	1972	0		65315 HWY 97	65315 HWY 97	BEND
151320DD03000	15	13	20	3000 One story	1797	1973	96	1996	2095 SW MEADOWBROOK DR	2095 MEADOWBROOK	REDMOND
151329A000105	15	13	29	105 Warehouse - warehouse	576	1973	0		3303 S HWY 97	3303 HWY 97	REDMOND
151329A000307	15	13	29	307 Double wide	1380	1973	0		2516 SW YEW AVE	2516 YEW	REDMOND
151329A003800	15	13	29	3800 One story	1461	1973	0		2065 SW MEADOWBROOK DR	2065 MEADOWBROOK	REDMOND
161214C000105	16	12	14	105 Double wide	1344	1973	0		65622 73RD ST	65622 73RD	BEND
141335C002200	14	13	35	2200 Single wide	1644	1974	0		3555 NE 21ST DR	3555 21ST	REDMOND
161214C000100	16	12	14	100 Single wide	832	1974	0		65686 73RD ST	65686 73RD	BEND
151320DD03400	15	13	20	3400 One story	1584	1975	64	1910	2912 SW MEADOW LN	2912 MEADOW	REDMOND

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1612110000800	16	12	11	800 One story with attic	2584	1975	99	1915 21330 YOUNG AVE	21330 YOUNG	BEND
141335C001900	14	13	35	1900 One story	960	1975	156	1950 3679 NE 21ST DR	3679 21ST	REDMOND
141335C002100	14	13	35	2100 Utility Building	1440	1975	1600	1976 3597 NE 21ST DR	3597 21ST	REDMOND
141335C002600	14	13	35	2600 GP Shed	144	1975	528	1990 2055 NE VARNISH AVE	2055 VARNISH	REDMOND
151320DD03300	15	13	20	3300 One story	1416	1975	0	2930 SW MEADOW LN	2930 MEADOW	REDMOND
171215DB00800	17	12	15	800 Two story	1692	1975	0	21000 COUNTRY VIEW LN	21000 COUNTRY VIEW	BEND
1513030000601	15	13	3	601 Two story	2462	1976	900	1925 730 NE KING WAY	730 KING	REDMOND
171215DB01100	17	12	15	1100 Two story	2806	1976	56	1960 63333 OLD DESCHUTES RD	63333 OLD DESCHUTES	BEND
171215DC00200	17	12	15	200 One story	1732	1976	192	1960 21070 COUNTRY SQUIRE RD	21070 COUNTRY SQUIRE	BEND
151329A000201	15	13	29	201 One story	4135	1976	91	1975 2251 SW YEW CT	2251 YEW	REDMOND
151320DD03800	15	13	20	3800 One story	1008	1976	120	1986 2904 SW WINDROW CT	2904 WINDROW	REDMOND
151320DD03700	15	13	20	3700 One story	1076	1976	432	2015 2906 SW WINDROW CT	2906 WINDROW	REDMOND
151321B002700	15	13	21	2700 Store - Store	18669	1976	160	2071 S HWY 97	2071 HWY 97	REDMOND
1513030000501	15	13	3	501 Two story	1908	1977	1440	1970 910 NE KING WAY	910 KING	REDMOND
141335C002000	14	13	35	2000 One story	1512	1977	96	1975 3643 NE 21ST DR	3643 21ST	REDMOND
141335C002300	14	13	35	2300 Double wide	1248	1977	0	3551 NE 21ST DR	3551 21ST	REDMOND
151321AB02700	15	13	21	2700 Motel	14858	1977	0	1545 S HWY 97	1545 HWY 97	REDMOND
171215DB01300	17	12	15	1300 Two story	1934	1977	0	63309 OLD DESCHUTES RD	63309 OLD DESCHUTES	BEND
171215DC00500	17	12	15	500 One story	2652	1977	0	21059 COUNTRY SQUIRE RD	21059 COUNTRY SQUIRE	BEND
151321AB02600	15	13	21	2600 Yard Improvements	0	1978	6814	1978 1555 S HWY 97	1555 HWY 97	REDMOND
151329A000305	15	13	29	305 One story	1189	1978	80	1978 2420 SW YEW AVE	2420 YEW	REDMOND
141335C001000	14	13	35	1000 Single wide	1404	1978	0	2366 NE WALNUT DR	2366 WALNUT	REDMOND
141335C002400	14	13	35	2400 One story	1512	1978	0	3487 NE 21ST DR	3487 21ST	REDMOND
151329A003700	15	13	29	3700 One story	1428	1978	0	2101 SW XERO LN	2101 XERO	REDMOND
171215DB01200	17	12	15	1200 Two story	2232	1978	0	63321 OLD DESCHUTES RD	63321 OLD DESCHUTES	BEND
161201D000202	16	12	1	202 One story	1512	1979	128	1940 6411 SW 46TH ST	6411 46TH	REDMOND
1513030000502	15	13	3	502 One story	2374	1979	2448	1975 930 NE KING WAY	930 KING	REDMOND
151329A003302	15	13	29	3302 One story	1092	1979	96	2004 2100 SW XERO LN	2100 XERO	REDMOND
141335C001400	14	13	35	1400 One story	1092	1979	0	3890 NE WALNUT DR	3890 WALNUT	REDMOND
141335C001700	14	13	35	1700 Double wide	1782	1979	0	3885 NE 21ST DR	3885 21ST	REDMOND
151316DC00500	15	13	16	500 Office - Office Building	2769	1979	0	1421 S HWY 97	1421 HWY 97	REDMOND
1513310000402	15	13	31	402 Double wide	1248	1979	0	6021 SW 43RD ST	6021 43RD	REDMOND
171215DB01600	17	12	15	1600 One story with attic	1564	1979	0	63350 OLD DESCHUTES RD	63350 OLD DESCHUTES	BEND
171215DC00800	17	12	15	800 GP Shed	0	1980	1647	1987 21010 YEOMAN RD	21010 YEOMAN	BEND
1413340002012	14	13	34	2012 Lean-To	1152	1980	2157	1989 3213 NE 17TH ST	3213 17TH	REDMOND
141335C002900	14	13	35	2900 One story	1360	1980	288	1995 3500 NE 17TH ST	3500 17TH	REDMOND
141335C002800	14	13	35	2800 One story	1747	1980	440	2000 1717 NE VARNISH AVE	1717 VARNISH	REDMOND
141335C001200	14	13	35	1200 Double wide	1080	1980	0	3680 NE WALNUT DR	3680 WALNUT	REDMOND
171215DB00500	17	12	15	500 One story with basement	2968	1980	0	63380 OLD DESCHUTES RD	63380 OLD DESCHUTES	BEND
171215DB00600	17	12	15	600 One story	2355	1980	0	63390 OLD DESCHUTES RD	63390 OLD DESCHUTES	BEND
171215DB01000	17	12	15	1000 One story with basement	3314	1980	0	63355 OLD DESCHUTES RD	63355 OLD DESCHUTES	BEND
171215DB00700	17	12	15	700 Two story	2050	1981	864	1960 63385 OLD DESCHUTES RD	63385 OLD DESCHUTES	BEND

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171215DB01500	17	12	15	1500 Two story	2740	1981	780	1985 63330 OLD DESCHUTES RD	63330 OLD DESCHUTES	BEND
161201D000107	16	12	1	107 One story	2208	1981	80	1990 6300 SW CANAL BLVD	6300 CANAL	REDMOND
151321C000706	15	13	21	706 Entertainment - theater	9098	1981	0	1535 SW ODEM MEDO RD	1535 ODEM MEDO	REDMOND
1612230000301	16	12	23	301 Double wide	1512	1981	0	65305 N HWY 97	65305 HWY 97	BEND
1612230000305	16	12	23	305 Warehouse - Service Garage	7500	1981	0	65301 N HWY 97	65301 HWY 97	BEND
151329CA06000	15	13	29	6000 One story	1184	1982	80	1986 3760 SW CANAL BLVD	3760 CANAL	REDMOND
171221DC00200	17	12	21	200 Warehouse - Service Garage	2520	1982	0	62830 BOYD ACRES RD	62830 BOYD ACRES	BEND
1712150000107	17	12	15	107 Two story	1760	1983	0	63575 OLD DESCHUTES RD	63575 OLD DESCHUTES	BEND
171215DB00100	17	12	15	100 Two story	2528	1984	384	2021 21086 ANN MARGARET DR	21086 ANN MARGARET	BEND
151329CA05900	15	13	29	5900 Double wide	1782	1984	0	3746 SW CANAL BLVD	3746 CANAL	REDMOND
161223B000200	16	12	23	200 Double wide	1512	1984	0	65494 73RD ST	65494 73RD	BEND
151329BD03000	15	13	29	3000 GP Shed	192	1985	384	2005 3650 SW CANAL BLVD	3650 CANAL	REDMOND
151316DC00501	15	13	16	501 Billboard	252	1985	0	1361 S HWY 97	1361 HWY 97	REDMOND
151316DC00502	15	13	16	502 Automotive - Showroom	640	1985	0	1465 S HWY 97	1465 HWY 97	REDMOND
161201D000400	16	12	1	400 Two story	1615	1986	112	1970 5023 SW QUARRY AVE	5023 QUARRY	REDMOND
1612140000702	16	12	14	702 One story	2519	1986	2592	1990 65850 74TH LN	65850 74TH	BEND
171215CA00500	17	12	15	500 Two story	2144	1987	0	20971 COUNTRY VIEW LN	20971 COUNTRY VIEW	BEND
1612230000306	16	12	23	306 Two story	1786	1989	1200	2000 65385 N HWY 97	65385 HWY 97	BEND
1612120000301	16	12	12	301 GP Shed	120	1990	120	1990 7260 SW 61ST ST	7260 61ST	REDMOND
1513310000705	15	13	31	705 Two story	3290	1990	2880	2000 5600 SW 43RD ST	5600 43RD	REDMOND
151321B002100	15	13	21	2100 Entertainment - Recreation Facili	2336	1990	0	1998 SW CANAL BLVD	1998 CANAL	REDMOND
161306C000301	16	13	6	301 Double wide	1404	1990	0	6400 SW 46TH ST	6400 46TH	REDMOND
171215DB00400	17	12	15	400 One story	2100	1990	0	21068 ANN MARGARET DR	21068 ANN MARGARET	BEND
151329BD03400	15	13	29	3400 Double wide	1387	1991	0	3710 SW CANAL BLVD	3710 CANAL	REDMOND
151329A000205	15	13	29	205 Single wide	924	1992	3780	1970 2259 SW YEW CT	2259 YEW	REDMOND
151329BD03100	15	13	29	3100 Double wide	1080	1992	0	3662 SW CANAL BLVD	3662 CANAL	REDMOND
161306C000302	16	13	6	302 One story	1664	1992	0	6526 SW 46TH ST	6526 46TH	REDMOND
171215AA00401	17	12	15	401 Two story	2544	1992	0	63597 OVERTREE RD	63597 OVERTREE	BEND
171215CA00200	17	12	15	200 One story with basement	2096	1993	0	20980 COUNTRY VIEW LN	20980 COUNTRY VIEW	BEND
1612140000600	16	12	14	600 Two story	4416	1994	4032	2000 21455 YOUNG AVE	21455 YOUNG	BEND
141335C002500	14	13	35	2500 Double wide	1620	1994	0	3401 NE 21ST DR	3401 21ST	REDMOND
151329BD03200	15	13	29	3200 Double wide	1512	1994	0	3674 SW CANAL BLVD	3674 CANAL	REDMOND
151329BD06700	15	13	29	6700 Nursing Home/Assisted Living	22843	1994	0	3550 SW CANAL BLVD	3550 CANAL	REDMOND
1612140000601	16	12	14	601 Two story	3377	1994	0	21489 YOUNG AVE	21489 YOUNG	BEND
1612140000602	16	12	14	602 One story	2513	1994	0	21485 YOUNG AVE	21485 YOUNG	BEND
161223B000101	16	12	23	101 One story	1210	1994	0	65580 73RD ST	65580 73RD	BEND
171215AA00400	17	12	15	400 Two story	2664	1994	0	63575 OVERTREE RD	63575 OVERTREE	BEND
171215CA00300	17	12	15	300 Two story	2390	1994	0	20965 COUNTRY VIEW LN	20965 COUNTRY VIEW	BEND
1513310000701	15	13	31	701 Two story	2268	1995	432	1995 5555 S HWY 97	5555 HWY 97	REDMOND
171215AB00600	17	12	15	600 One story	2096	1995	0	1995 63536 OLD DESCHUTES RD	63536 OLD DESCHUTES	BEND
161223C001100	16	12	23	1100 GP Shed	192	1995	1064	2000 65250 73RD ST	65250 73RD	BEND

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1612140000603	16	12	14	603 Two story	2513	1995	640	2003 21495 YOUNG AVE	21495 YOUNG	BEND
151321C000500	15	13	21	500 Office - Office Building	3724	1995	0	2421 S HWY 97	2421 HWY 97	REDMOND
151329AC03300	15	13	29	3300 Other Improvements	0	1996	3760	1995 2575 SW GREENS BLVD	2575 GREENS	REDMOND
171215DB01400	17	12	15	1400 One story	768	1996	2158	1996 63310 OLD DESCHUTES RD	63310 OLD DESCHUTES	BEND
151329AC02100	15	13	29	2100 Two story	1154	1996	0	3637 SW BOBBY JONES CT	3637 BOBBY JONES	REDMOND
151329AC02200	15	13	29	2200 Two story	1154	1996	0	3643 SW BOBBY JONES CT	3643 BOBBY JONES	REDMOND
161201D000102	16	12	1	102 One story	3095	1997	2592	1998 6687 SW 46TH ST	6687 46TH	REDMOND
151321C000707	15	13	21	707 Restaurant - restaurant	4272	1997	0	1565 SW ODEM MEDO RD	1565 ODEM MEDO	REDMOND
151329AC01400	15	13	29	1400 Two story	1181	1997	0	3595 SW BOBBY JONES CT	3595 BOBBY JONES	REDMOND
151329AC01500	15	13	29	1500 One story	1010	1997	0	3601 SW BOBBY JONES CT	3601 BOBBY JONES	REDMOND
151329AC01600	15	13	29	1600 One story	1010	1997	0	3607 SW BOBBY JONES CT	3607 BOBBY JONES	REDMOND
151329AC01700	15	13	29	1700 One story	1020	1997	0	3613 SW BOBBY JONES CT	3613 BOBBY JONES	REDMOND
151329AC01800	15	13	29	1800 One story	1020	1997	0	3619 SW BOBBY JONES CT	3619 BOBBY JONES	REDMOND
151329AC01900	15	13	29	1900 One story	1147	1997	0	3625 SW BOBBY JONES CT	3625 BOBBY JONES	REDMOND
151329AC02000	15	13	29	2000 One story	1147	1997	0	3631 SW BOBBY JONES CT	3631 BOBBY JONES	REDMOND
151329AC02300	15	13	29	2300 One story	1020	1997	0	3649 SW BOBBY JONES CT	3649 BOBBY JONES	REDMOND
151329AC02400	15	13	29	2400 One story	1020	1997	0	3655 SW BOBBY JONES CT	3655 BOBBY JONES	REDMOND
151329BD03300	15	13	29	3300 Double wide	1728	1997	0	3688 SW CANAL BLVD	3688 CANAL	REDMOND
161223C001200	16	12	23	1200 Double wide	1432	1997	0	65240 73RD ST	65240 73RD	BEND
171215CA00109	17	12	15	109 Two story	2114	1997	0	63390 BRIGHTWATER DR	63390 BRIGHTWATER	BEND
171215CA00110	17	12	15	110 One story	1712	1997	0	63384 BRIGHTWATER DR	63384 BRIGHTWATER	BEND
171215CA00111	17	12	15	111 Two story	1861	1997	0	63380 BRIGHTWATER DR	63380 BRIGHTWATER	BEND
171215CA00112	17	12	15	112 One story	1888	1997	0	63376 BRIGHTWATER DR	63376 BRIGHTWATER	BEND
171215CA00114	17	12	15	114 One story	1669	1997	0	20907 CANAL VIEW DR	20907 CANAL VIEW	BEND
171215CA00117	17	12	15	117 One story	1723	1997	0	63350 BRIGHTWATER DR	63350 BRIGHTWATER	BEND
171215CA00127	17	12	15	127 One story	1568	1997	0	20905 CRYSTAL CT	20905 CRYSTAL	BEND
1513310001202	15	13	31	1202 One story	1989	1998	360	2000 4840 SW 43RD ST	4840 43RD	REDMOND
161214C000104	16	12	14	104 One story	1958	1998	0	65638 73RD ST	65638 73RD	BEND
1612230000200	16	12	23	200 Two story	2738	1998	0	21415 GIFT RD	21415 GIFT	BEND
171215CA00113	17	12	15	113 One story	1713	1998	0	63370 BRIGHTWATER DR	63370 BRIGHTWATER	BEND
171215CA00116	17	12	15	116 One story	1544	1998	0	63351 BRIGHTWATER DR	63351 BRIGHTWATER	BEND
171215CA00119	17	12	15	119 One story	1744	1998	0	63364 BRIGHTWATER DR	63364 BRIGHTWATER	BEND
171215CA00125	17	12	15	125 Two story	2000	1998	0	20904 CRYSTAL CT	20904 CRYSTAL	BEND
171215CA00126	17	12	15	126 Two story	1695	1998	0	20901 CRYSTAL CT	20901 CRYSTAL	BEND
151329A000308	15	13	29	308 Fourplex	4568	1999	0	2566 SW YEW AVE	2566 YEW	REDMOND
151329CB02300	15	13	29	2300 One story with attic	3377	1999	0	4470 SW TREVINO CT	4470 TREVINO	REDMOND
151329CB02900	15	13	29	2900 One story	1642	1999	0	4207 SW TOMMY ARMOUR LN	4207 TOMMY ARMOUR	REDMOND
161223C001000	16	12	23	1000 Triple wide	1956	1999	0	65260 73RD ST	65260 73RD	BEND
171215BD01000	17	12	15	1000 One story	2024	1999	0	63445 FUTURITY CT	63445 FUTURITY	BEND
171215CA00101	17	12	15	101 One story	1572	1999	0	20902 CANAL VIEW DR	20902 CANAL VIEW	BEND
171215CA00503	17	12	15	503 One story	1847	1999	0	63342 BRIGHTWATER DR	63342 BRIGHTWATER	BEND

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171215CA00504	17	12	15	504 One story with attic	1990	1999	0	63338 BRIGHTWATER DR	63338 BRIGHTWATER	BEND
171215CA00505	17	12	15	505 One story	1631	1999	0	63334 BRIGHTWATER DR	63334 BRIGHTWATER	BEND
171215CA00506	17	12	15	506 One story	1575	1999	0	63330 BRIGHTWATER DR	63330 BRIGHTWATER	BEND
171215CA00507	17	12	15	507 One story	1865	1999	0	63326 BRIGHTWATER DR	63326 BRIGHTWATER	BEND
171215CA00508	17	12	15	508 One story	1849	1999	0	63322 BRIGHTWATER DR	63322 BRIGHTWATER	BEND
171215CA00509	17	12	15	509 One story	1855	1999	0	63318 BRIGHTWATER DR	63318 BRIGHTWATER	BEND
171215CA00510	17	12	15	510 One story	2646	1999	0	63314 BRIGHTWATER DR	63314 BRIGHTWATER	BEND
171215CA00511	17	12	15	511 One story	1782	1999	0	63310 BRIGHTWATER DR	63310 BRIGHTWATER	BEND
171215CA00513	17	12	15	513 One story	1574	1999	0	63333 BRIGHTWATER DR	63333 BRIGHTWATER	BEND
171215CA00514	17	12	15	514 One story	1746	1999	0	63337 BRIGHTWATER DR	63337 BRIGHTWATER	BEND
171215CA00515	17	12	15	515 One story	1828	1999	0	63341 BRIGHTWATER DR	63341 BRIGHTWATER	BEND
161201D000109	16	12	1	109 One story	3220	2000	192	1950 4980 SW MCVEY AVE	4980 MCVEY	REDMOND
161214C000102	16	12	14	102 GP Shed	864	2000	288	1975 65660 73RD ST	65660 73RD	BEND
171221DC00101	17	12	21	101 Yard Improvements	0	2000	15120	1980 62880 PEERLESS CT	62880 PEERLESS	BEND
151329A000316	15	13	29	316 Yard Improvements	0	2000	47550	2000 2243 SW YEW AVE	2243 YEW	REDMOND
1612120000302	16	12	12	302 Hay Cover	1248	2000	2880	2000 7840 SW 61ST ST	7840 61ST	REDMOND
171221C002500	17	12	21	2500 Yard Improvements	0	2000	10800	2000 62860 BOYD ACRES RD	62860 BOYD ACRES	BEND
171215BD01500	17	12	15	1500 One story	2199	2000	576	2006 20975 SCOTTSDALE DR	20975 SCOTTSDALE	BEND
151329A000304	15	13	29	304 GP Shed	425	2000	476	2010 2430 SW YEW AVE	2430 YEW	REDMOND
171215AC00900	17	12	15	900 One story	3694	2000	1744	2020 21075 SCOTTSDALE DR	21075 SCOTTSDALE	BEND
171215BD01100	17	12	15	1100 One story	2777	2000	288	2020 20915 SCOTTSDALE DR	20915 SCOTTSDALE	BEND
171215DC00401	17	12	15	401 One story	3305	2000	500	2021 63221 OLD DESCHUTES RD	63221 OLD DESCHUTES	BEND
151303CC00700	15	13	3	700 Entertainment - Recreation Facili	14728	2000	0	1717 NE 2ND ST	1717 2ND	REDMOND
151321B003301	15	13	21	3301 Motel	34398	2000	0	2247 S HWY 97	2247 HWY 97	REDMOND
151321C000400	15	13	21	400 Store - Store	5500	2000	0	2333 S HWY 97	2333 HWY 97	REDMOND
1612110001000	16	12	11	1000 Double wide	1917	2000	0	21510 YOUNG AVE	21510 YOUNG	BEND
171215AC00200	17	12	15	200 One story	2002	2000	0	20995 SCOTTSDALE DR	20995 SCOTTSDALE	BEND
171215AC00300	17	12	15	300 Two story	4364	2000	0	20985 SCOTTSDALE DR	20985 SCOTTSDALE	BEND
171215AC00400	17	12	15	400 Two story with attic	3048	2000	0	63425 OLD DESCHUTES RD	63425 OLD DESCHUTES	BEND
171215AC00500	17	12	15	500 One story with basement	3388	2000	0	21025 SCOTTSDALE DR	21025 SCOTTSDALE	BEND
171215AD00200	17	12	15	200 Two story	3576	2000	0	21125 SCOTTSDALE DR	21125 SCOTTSDALE	BEND
171215AD00400	17	12	15	400 Two story	2086	2000	0	21115 SCOTTSDALE DR	21115 SCOTTSDALE	BEND
171215BD00800	17	12	15	800 One story	3034	2000	0	63475 FUTURITY CT	63475 FUTURITY	BEND
171215BD01300	17	12	15	1300 Two story	2616	2000	0	20935 SCOTTSDALE DR	20935 SCOTTSDALE	BEND
171215BD01400	17	12	15	1400 One story	2638	2000	0	20955 SCOTTSDALE DR	20955 SCOTTSDALE	BEND
171215CA00115	17	12	15	115 One story	1898	2000	0	63355 BRIGHTWATER DR	63355 BRIGHTWATER	BEND
171215CA00502	17	12	15	502 Two story	2179	2000	0	63346 BRIGHTWATER DR	63346 BRIGHTWATER	BEND
171215CA00516	17	12	15	516 One story	1884	2000	0	63345 BRIGHTWATER DR	63345 BRIGHTWATER	BEND
171222BB01300	17	12	22	1300 One story	1707	2000	0	63116 WATERCRESS WAY	63116 WATERCRESS	BEND
171222BB01400	17	12	22	1400 One story	1638	2000	0	63122 WATERCRESS WAY	63122 WATERCRESS	BEND
171222BB01700	17	12	22	1700 One story	1646	2000	0	63140 WATERCRESS WAY	63140 WATERCRESS	BEND
171222BC00300	17	12	22	300 One story	1184	2000	0	63041 MARSH ORCHID DR	63041 MARSH ORCHID	BEND

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171215AB00400	17	12	15	400 One story	1920	2001	80	1950 63545 OLD DESCHUTES RD	63545 OLD DESCHUTES	BEND
171215AD00107	17	12	15	107 Two story	3526	2001	1040	2000 63435 OVERTREE RD	63435 OVERTREE	BEND
171215AC00600	17	12	15	600 One story	560	2001	2437	2001 63440 OLD DESCHUTES RD	63440 OLD DESCHUTES	BEND
171215BD00900	17	12	15	900 Two story	3060	2001	742	2002 63465 FUTURITY CT	63465 FUTURITY	BEND
171215AC01200	17	12	15	1200 Two story	4025	2001	432	2016 21030 SCOTTSDALE DR	21030 SCOTTSDALE	BEND
151329CB02400	15	13	29	2400 One story	2392	2001	0	4475 SW TREVINO CT	4475 TREVINO	REDMOND
151329CB02500	15	13	29	2500 One story with attic	2179	2001	0	4465 SW TREVINO CT	4465 TREVINO	REDMOND
151329CB02700	15	13	29	2700 One story	1677	2001	0	4227 SW TOMMY ARMOUR LN	4227 TOMMY ARMOUR	REDMOND
151329CB02800	15	13	29	2800 One story with attic	2027	2001	0	4217 SW TOMMY ARMOUR LN	4217 TOMMY ARMOUR	REDMOND
171215AC00100	17	12	15	100 One story with basement	3046	2001	0	63495 OLD DESCHUTES RD	63495 OLD DESCHUTES	BEND
171215AD00110	17	12	15	110 Two story	2977	2001	0	63475 OVERTREE RD	63475 OVERTREE	BEND
171215AD00500	17	12	15	500 Two story	4048	2001	0	21105 SCOTTSDALE DR	21105 SCOTTSDALE	BEND
171222BB01100	17	12	22	1100 One story	2172	2001	0	63104 WATERCRESS WAY	63104 WATERCRESS	BEND
171222BB01200	17	12	22	1200 Two story	1856	2001	0	63110 WATERCRESS WAY	63110 WATERCRESS	BEND
171222BB01500	17	12	22	1500 Two story	1848	2001	0	63128 WATERCRESS WAY	63128 WATERCRESS	BEND
171222BC00100	17	12	22	100 One story	1646	2001	0	63053 MARSH ORCHID DR	63053 MARSH ORCHID	BEND
171222BC00200	17	12	22	200 Two story	2761	2001	0	63047 MARSH ORCHID DR	63047 MARSH ORCHID	BEND
171222CB01600	17	12	22	1600 Double wide	1456	2001	0	62925 BILYEU WAY	62925 BILYEU	BEND
151329CA06800	15	13	29	6800 Two story	2279	2002	0	4005 SW TOMMY ARMOUR LN	4005 TOMMY ARMOUR	REDMOND
151329CB03200	15	13	29	3200 Two story	2010	2002	0	4147 SW TOMMY ARMOUR LN	4147 TOMMY ARMOUR	REDMOND
151329CC01000	15	13	29	1000 One story	1984	2002	0	4313 SW TOMMY ARMOUR CT	4313 TOMMY ARMOUR	REDMOND
151329CC01100	15	13	29	1100 Two story	2787	2002	0	4327 SW TOMMY ARMOUR CT	4327 TOMMY ARMOUR	REDMOND
161223C001300	16	12	23	1300 Two story	1872	2002	0	65230 73RD ST	65230 73RD	BEND
171215AD00108	17	12	15	108 Two story	4286	2002	0	63445 OVERTREE RD	63445 OVERTREE	BEND
171215BA00200	17	12	15	200 Two story with attic	5164	2002	0	20915 ROYAL OAK CIR	20915 ROYAL OAK	BEND
171215CA00118	17	12	15	118 One story	2239	2002	0	63358 BRIGHTWATER DR	63358 BRIGHTWATER	BEND
171215CD00307	17	12	15	307 One story	1827	2002	0	63280 BRIGHTWATER DR	63280 BRIGHTWATER	BEND
171215CD00308	17	12	15	308 One story	1824	2002	0	63274 BRIGHTWATER DR	63274 BRIGHTWATER	BEND
171215CD00309	17	12	15	309 One story	1821	2002	0	63268 BRIGHTWATER DR	63268 BRIGHTWATER	BEND
171215CD00310	17	12	15	310 Two story	2012	2002	0	63262 BRIGHTWATER DR	63262 BRIGHTWATER	BEND
171222BB01600	17	12	22	1600 One story	1722	2002	0	63134 WATERCRESS WAY	63134 WATERCRESS	BEND
171222BB01900	17	12	22	1900 One story	2065	2002	0	63146 WATERCRESS WAY	63146 WATERCRESS	BEND
171222BB02000	17	12	22	2000 One story	1642	2002	0	63152 WATERCRESS WAY	63152 WATERCRESS	BEND
171222BB02200	17	12	22	2200 One story	1809	2002	0	63164 WATERCRESS WAY	63164 WATERCRESS	BEND
171222BB02300	17	12	22	2300 One story	2274	2002	0	63170 WATERCRESS WAY	63170 WATERCRESS	BEND
171222BB02500	17	12	22	2500 Two story	2168	2002	0	63182 WATERCRESS WAY	63182 WATERCRESS	BEND
171222BC00800	17	12	22	800 Two story	1788	2002	0	63063 WILD BUCKWHEAT CT	63063 WILD BUCKWHEAT	BEND
171222BC01600	17	12	22	1600 One story	1812	2002	0	63011 MARSH ORCHID DR	63011 MARSH ORCHID	BEND
171222BC01700	17	12	22	1700 Two story	2139	2002	0	63017 MARSH ORCHID DR	63017 MARSH ORCHID	BEND
171222BC01800	17	12	22	1800 Two story	1788	2002	0	63023 MARSH ORCHID DR	63023 MARSH ORCHID	BEND
171222BC01900	17	12	22	1900 Two story	2467	2002	0	63029 MARSH ORCHID DR	63029 MARSH ORCHID	BEND

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171222BC02100	17	12	22	2100 One story	1440	2002	0	63059 WILD BUCKWHEAT CT	63059 WILD BUCKWHEAT	BEND
171222BC02200	17	12	22	2200 One story	1642	2002	0	63055 WILD BUCKWHEAT CT	63055 WILD BUCKWHEAT	BEND
171222BC02300	17	12	22	2300 One story	1812	2002	0	63037 MARSH ORCHID DR	63037 MARSH ORCHID	BEND
171222BC02400	17	12	22	2400 One story	1538	2002	0	63033 MARSH ORCHID DR	63033 MARSH ORCHID	BEND
171222BC02500	17	12	22	2500 One story	1540	2002	0	63007 MARSH ORCHID DR	63007 MARSH ORCHID	BEND
171222BC02600	17	12	22	2600 Two story	3114	2002	0	63003 MARSH ORCHID DR	63003 MARSH ORCHID	BEND
171222CB00700	17	12	22	700 One story with basement	2311	2002	0	62975 MIMOSA DR	62975 MIMOSA	BEND
171222BA13900	17	12	22	13900 One story	2424	2003	1840	2003 63198 WATERCRESS WAY	63198 WATERCRESS	BEND
171222BB02400	17	12	22	2400 Yard Improvements	0	2003	4067	2003 63176 WATERCRESS WAY	63176 WATERCRESS	BEND
151329CA06400	15	13	29	6400 Two story	2181	2003	0	3929 SW TOMMY ARMOUR LN	3929 TOMMY ARMOUR	REDMOND
151329CA07100	15	13	29	7100 One story	1861	2003	0	4033 SW TOMMY ARMOUR LN	4033 TOMMY ARMOUR	REDMOND
151329CB03100	15	13	29	3100 Two story	2049	2003	0	4187 SW TOMMY ARMOUR LN	4187 TOMMY ARMOUR	REDMOND
171215AD00105	17	12	15	105 Two story with attic	2741	2003	0	63405 OVERTREE RD	63405 OVERTREE	BEND
171215BA00600	17	12	15	600 Two story	6085	2003	0	20975 ROYAL OAK CIR	20975 ROYAL OAK	BEND
171215CD00305	17	12	15	305 Two story	2497	2003	0	63292 BRIGHTWATER DR	63292 BRIGHTWATER	BEND
171215CD00306	17	12	15	306 One story	2037	2003	0	63286 BRIGHTWATER DR	63286 BRIGHTWATER	BEND
171215CD00311	17	12	15	311 One story	1779	2003	0	63256 BRIGHTWATER DR	63256 BRIGHTWATER	BEND
171215CD00312	17	12	15	312 One story	2036	2003	0	63250 BRIGHTWATER DR	63250 BRIGHTWATER	BEND
171215CD00314	17	12	15	314 Two story	3750	2003	0	63238 BRIGHTWATER DR	63238 BRIGHTWATER	BEND
171222BB02100	17	12	22	2100 One story	1773	2003	0	63158 WATERCRESS WAY	63158 WATERCRESS	BEND
171222CB00300	17	12	22	300 Two story	2276	2003	0	62995 MARSH ORCHID DR	62995 MARSH ORCHID	BEND
171222CB00400	17	12	22	400 Two story	2056	2003	0	62989 MARSH ORCHID DR	62989 MARSH ORCHID	BEND
171222CB00500	17	12	22	500 One story	1378	2003	0	62983 MARSH ORCHID DR	62983 MARSH ORCHID	BEND
171222CB00600	17	12	22	600 Two story	2431	2003	0	62977 MARSH ORCHID DR	62977 MARSH ORCHID	BEND
171222CB00800	17	12	22	800 Two story	2872	2003	0	62971 MIMOSA DR	62971 MIMOSA	BEND
171222CB00900	17	12	22	900 Two story	1620	2003	0	62967 MIMOSA DR	62967 MIMOSA	BEND
171222CB01000	17	12	22	1000 One story	1812	2003	0	62963 MIMOSA DR	62963 MIMOSA	BEND
171222CB01100	17	12	22	1100 Two story	2872	2003	0	62959 MIMOSA DR	62959 MIMOSA	BEND
171215AC00700	17	12	15	700 Two story	1558	2004	2625	2001 21035 SCOTTSDALE DR	21035 SCOTTSDALE	BEND
171221DC00100	17	12	21	100 Yard Improvements	0	2004	11704	2004 62880 MERCURY PL	62880 MERCURY	BEND
141335C001300	14	13	35	1300 Two story	1860	2004	0	3720 NE WALNUT DR	3720 WALNUT	REDMOND
151329BD02100	15	13	29	2100 One story	2023	2004	0	3905 SW TOMMY ARMOUR LN	3905 TOMMY ARMOUR	REDMOND
151329BD02200	15	13	29	2200 One story	2029	2004	0	3849 SW TOMMY ARMOUR LN	3849 TOMMY ARMOUR	REDMOND
151329BD02300	15	13	29	2300 One story	1815	2004	0	3835 SW TOMMY ARMOUR LN	3835 TOMMY ARMOUR	REDMOND
151329BD02600	15	13	29	2600 Two story	2148	2004	0	3749 SW TOMMY ARMOUR LN	3749 TOMMY ARMOUR	REDMOND
151329BD02700	15	13	29	2700 One story	1677	2004	0	3733 SW TOMMY ARMOUR LN	3733 TOMMY ARMOUR	REDMOND
151329BD02800	15	13	29	2800 One story	1972	2004	0	3721 SW TOMMY ARMOUR LN	3721 TOMMY ARMOUR	REDMOND
151329CA06300	15	13	29	6300 One story with attic	2101	2004	0	3921 SW TOMMY ARMOUR LN	3921 TOMMY ARMOUR	REDMOND
151329CA06500	15	13	29	6500 Two story	2246	2004	0	3947 SW TOMMY ARMOUR LN	3947 TOMMY ARMOUR	REDMOND
151329CA06900	15	13	29	6900 One story with attic	2137	2004	0	4013 SW TOMMY ARMOUR LN	4013 TOMMY ARMOUR	REDMOND
151329CA07200	15	13	29	7200 One story	1787	2004	0	4041 SW TOMMY ARMOUR LN	4041 TOMMY ARMOUR	REDMOND

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151329CB03300	15	13	29	3300 Two story	2056	2004	0	4105 SW TOMMY ARMOUR LN	4105 TOMMY ARMOUR	REDMOND
151329CB03400	15	13	29	3400 Two story	2148	2004	0	4091 SW TOMMY ARMOUR LN	4091 TOMMY ARMOUR	REDMOND
151329CB03500	15	13	29	3500 Two story	3379	2004	0	4077 SW TOMMY ARMOUR LN	4077 TOMMY ARMOUR	REDMOND
151329CB03600	15	13	29	3600 One story	1873	2004	0	4063 SW TOMMY ARMOUR LN	4063 TOMMY ARMOUR	REDMOND
171215AB00602	17	12	15	602 One story	3053	2004	0	63542 OLD DESCHUTES RD	63542 OLD DESCHUTES	BEND
171215AD00109	17	12	15	109 Two story	3419	2004	0	63455 OVERTREE RD	63455 OVERTREE	BEND
171215CD00303	17	12	15	303 One story	1880	2004	0	63304 BRIGHTWATER DR	63304 BRIGHTWATER	BEND
171215CD00304	17	12	15	304 One story	1827	2004	0	63298 BRIGHTWATER DR	63298 BRIGHTWATER	BEND
171215CD00313	17	12	15	313 One story	1880	2004	0	63244 BRIGHTWATER DR	63244 BRIGHTWATER	BEND
171222BA05500	17	12	22	5500 Two story	2870	2004	0	63183 BROOKSTONE LN	63183 BROOKSTONE	BEND
171222BA05600	17	12	22	5600 Two story	2370	2004	0	63189 BROOKSTONE LN	63189 BROOKSTONE	BEND
171222BB03300	17	12	22	3300 Two story	2456	2004	0	63157 BROOKSTONE LN	63157 BROOKSTONE	BEND
171222BB03400	17	12	22	3400 Two story	3514	2004	0	63151 BROOKSTONE LN	63151 BROOKSTONE	BEND
171222BB03500	17	12	22	3500 Two story	2870	2004	0	63145 BROOKSTONE LN	63145 BROOKSTONE	BEND
171222BB03600	17	12	22	3600 Two story	2390	2004	0	63139 BROOKSTONE LN	63139 BROOKSTONE	BEND
171222BB03700	17	12	22	3700 Two story	3421	2004	0	63133 BROOKSTONE LN	63133 BROOKSTONE	BEND
171222BB03800	17	12	22	3800 Two story	2456	2004	0	63127 BROOKSTONE LN	63127 BROOKSTONE	BEND
171222BB03900	17	12	22	3900 Two story	2390	2004	0	63121 BROOKSTONE LN	63121 BROOKSTONE	BEND
171222BB04000	17	12	22	4000 Two story	2456	2004	0	63115 BROOKSTONE LN	63115 BROOKSTONE	BEND
171222BB04500	17	12	22	4500 Two story	2870	2004	0	63169 BROOKSTONE LN	63169 BROOKSTONE	BEND
171222BB04600	17	12	22	4600 Two story	2633	2004	0	63165 BROOKSTONE LN	63165 BROOKSTONE	BEND
171222BB04700	17	12	22	4700 Two story	2727	2004	0	63161 BROOKSTONE LN	63161 BROOKSTONE	BEND
171222CB01200	17	12	22	1200 Two story	2154	2004	0	62949 BILYEU WAY	62949 BILYEU	BEND
171222CB01300	17	12	22	1300 Two story	1849	2004	0	62943 BILYEU WAY	62943 BILYEU	BEND
171222CB01400	17	12	22	1400 Two story	1849	2004	0	62937 BILYEU WAY	62937 BILYEU	BEND
171222CB01500	17	12	22	1500 One story	1620	2004	0	62931 BILYEU WAY	62931 BILYEU	BEND
171215CD00300	17	12	15	300 One story	780	2005	288	1960 63208 BRIGHTWATER DR	63208 BRIGHTWATER	BEND
171222BC02700	17	12	22	2700 Yard Improvements	0	2005	17407	2005 63088 18TH ST	63088 18TH	BEND
1712100000112	17	12	10	112 Yard Improvements	0	2005	11530	2021 20959 COOLEY RD	20959 COOLEY	BEND
151329BD02400	15	13	29	2400 One story	2254	2005	0	3821 SW TOMMY ARMOUR LN	3821 TOMMY ARMOUR	REDMOND
151329BD02500	15	13	29	2500 One story	2261	2005	0	3805 SW TOMMY ARMOUR LN	3805 TOMMY ARMOUR	REDMOND
151329CA06600	15	13	29	6600 One story	2005	2005	0	3953 SW TOMMY ARMOUR LN	3953 TOMMY ARMOUR	REDMOND
151329CA07000	15	13	29	7000 Two story	2384	2005	0	4019 SW TOMMY ARMOUR LN	4019 TOMMY ARMOUR	REDMOND
171215CD00315	17	12	15	315 Two story	2874	2005	0	63232 BRIGHTWATER DR	63232 BRIGHTWATER	BEND
171215CD00316	17	12	15	316 Two story	2826	2005	0	63226 BRIGHTWATER DR	63226 BRIGHTWATER	BEND
171215CD00317	17	12	15	317 Two story	2564	2005	0	63220 BRIGHTWATER DR	63220 BRIGHTWATER	BEND
171215CD00318	17	12	15	318 Two story	2573	2005	0	63214 BRIGHTWATER DR	63214 BRIGHTWATER	BEND
171215CD00800	17	12	15	800 Two story	2120	2005	0	63205 ANIKA LN	63205 ANIKA	BEND
171222BA05400	17	12	22	5400 Two story	3099	2005	0	63177 BROOKSTONE LN	63177 BROOKSTONE	BEND
171222BA05700	17	12	22	5700 Two story	2545	2005	0	20943 YEOMAN RD	20943 YEOMAN	BEND
171222BA05800	17	12	22	5800 Two story	2794	2005	0	63195 DESERT SAGE ST	63195 DESERT SAGE	BEND
171222BA07300	17	12	22	7300 Two story	2154	2005	0	63196 DESERT SAGE ST	63196 DESERT SAGE	BEND

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171222BA07400	17	12	22	7400 Two story	2870	2005	0	20955 YEOMAN RD	20955 YEOMAN	BEND
171222BA07500	17	12	22	7500 Two story	3236	2005	0	20959 YEOMAN RD	20959 YEOMAN	BEND
171222BA07600	17	12	22	7600 Two story	2633	2005	0	20963 YEOMAN RD	20963 YEOMAN	BEND
171222BA07700	17	12	22	7700 Two story	2870	2005	0	20967 YEOMAN RD	20967 YEOMAN	BEND
171222BA07800	17	12	22	7800 Two story	3236	2005	0	20971 YEOMAN RD	20971 YEOMAN	BEND
171222BA07900	17	12	22	7900 Two story	2545	2005	0	20975 YEOMAN RD	20975 YEOMAN	BEND
171222BB04300	17	12	22	4300 Two story with attic	3276	2005	0	63173 BROOKSTONE LN	63173 BROOKSTONE	BEND
171222BC00600	17	12	22	600 One story	1642	2005	0	63075 WILD BUCKWHEAT CT	63075 WILD BUCKWHEAT	BEND
171222BC00700	17	12	22	700 One story	1812	2005	0	63069 WILD BUCKWHEAT CT	63069 WILD BUCKWHEAT	BEND
171222CB03400	17	12	22	3400 Two story	1720	2005	0	62873 BILYEU WAY	62873 BILYEU	BEND
171222CB03500	17	12	22	3500 Two story	1978	2005	0	62877 BILYEU WAY	62877 BILYEU	BEND
171222CB03600	17	12	22	3600 Two story	2361	2005	0	62881 BILYEU WAY	62881 BILYEU	BEND
171222CB03700	17	12	22	3700 Two story	1720	2005	0	62885 BILYEU WAY	62885 BILYEU	BEND
171222CB03900	17	12	22	3900 One story w/attic and basement	2261	2005	0	62893 BILYEU WAY	62893 BILYEU	BEND
171222CB04000	17	12	22	4000 Two story	2286	2005	0	62897 BILYEU WAY	62897 BILYEU	BEND
171222CC04319	17	12	22	4319 Two story	1737	2005	0	62865 BILYEU WAY	62865 BILYEU	BEND
171222CC04320	17	12	22	4320 Two story	1852	2005	0	62861 BILYEU WAY	62861 BILYEU	BEND
171222CC04321	17	12	22	4321 Two story	1737	2005	0	62857 BILYEU WAY	62857 BILYEU	BEND
171222CC04324	17	12	22	4324 One story	1781	2005	0	20860 DANIEL DUKE WAY	20860 DANIEL DUKE	BEND
171222CC04325	17	12	22	4325 Two story	1469	2005	0	20854 DANIEL DUKE WAY	20854 DANIEL DUKE	BEND
171222CC04326	17	12	22	4326 Two story	3767	2005	0	20845 BRINSON BLVD	20845 BRINSON	BEND
1612140000802	16	12	14	802 One story with basement	1440	2006	2268	1994 21225 YOUNG AVE	21225 YOUNG	BEND
171222BC03000	17	12	22	3000 Yard Improvements	0	2006	15000	2006 63064 18TH ST	63064 18TH	BEND
171222BC03204	17	12	22	3204 Yard Improvements	0	2006	11354	2006 63004 18TH ST	63004 18TH	BEND
171222CB04800	17	12	22	4800 Yard Improvements	0	2006	50442	2006 20870 REDSIDE CT	20870 REDSIDE	BEND
171215AA00703	17	12	15	703 Two story	3998	2006	0	63545 OVERTREE RD	63545 OVERTREE	BEND
171222BA08000	17	12	22	8000 Two story	1940	2006	0	20979 YEOMAN RD	20979 YEOMAN	BEND
171222BA08100	17	12	22	8100 Two story	1940	2006	0	20981 YEOMAN RD	20981 YEOMAN	BEND
171222CB03300	17	12	22	3300 Two story	1748	2006	0	62869 BILYEU WAY	62869 BILYEU	BEND
171222CB03800	17	12	22	3800 Two story	2452	2006	0	62889 BILYEU WAY	62889 BILYEU	BEND
171222CC04323	17	12	22	4323 One story	1850	2006	0	20864 DANIEL DUKE WAY	20864 DANIEL DUKE	BEND
151304DD00500	15	13	4	500 Yard Improvements	0	2007	0	2007 300 NW OAK TREE LN	300 OAK TREE	REDMOND
171215AD00106	17	12	15	106 One story	908	2007	6784	2007 63415 OVERTREE RD	63415 OVERTREE	BEND
171222CC04322	17	12	22	4322 Two story	1783	2007	68	2007 62853 BILYEU WAY	62853 BILYEU	BEND
171215AB00603	17	12	15	603 Two story	4007	2007	462	2018 63528 OLD DESCHUTES RD	63528 OLD DESCHUTES	BEND
151316DC00503	15	13	16	503 Billboard	0	2007	0	1367 S HWY 97	1367 HWY 97	REDMOND
151329CB03000	15	13	29	3000 One story with basement	2477	2007	0	4197 SW TOMMY ARMOUR LN	4197 TOMMY ARMOUR	REDMOND
151329CC01200	15	13	29	1200 Two story	3022	2007	0	4341 SW TOMMY ARMOUR CT	4341 TOMMY ARMOUR	REDMOND
1612140000700	16	12	14	700 One story	2120	2007	0	21255 YOUNG AVE	21255 YOUNG	BEND
171215CA00108	17	12	15	108 Two story	2148	2007	0	63396 BRIGHTWATER DR	63396 BRIGHTWATER	BEND
171222CB04100	17	12	22	4100 Two story	2225	2007	0	62901 BILYEU WAY	62901 BILYEU	BEND

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171222BC02900	17	12	22	2900 Yard Improvements	0	2008	13456	2007 63076 18TH ST	63076 18TH	BEND
171222CB04401	17	12	22	4401 Yard Improvements	0	2008	3600	2008 62982 18TH ST	62982 18TH	BEND
151321CC00602	15	13	21	602 Yard Improvements	0	2008	0	2009 2905 S HWY 97	2905 HWY 97	REDMOND
151321B002800	15	13	21	2800 Commercial - mixed use	39464	2008	0	2127 S HWY 97	2127 HWY 97	REDMOND
151303BC01300	15	13	3	1300 One story	789	2009	0	2675 NE 5TH ST	2675 5TH	REDMOND
151303BC01900	15	13	3	1900 One story	1031	2009	0	2655 NE 3RD ST	2655 3RD	REDMOND
151303BC02000	15	13	3	2000 One story	1148	2009	0	2645 NE 3RD ST	2645 3RD	REDMOND
171215AA00705	17	12	15	705 Two story	4851	2010	384	2020 63535 OVERTREE RD	63535 OVERTREE	BEND
151303BC01000	15	13	3	1000 One story	1148	2010	0	454 NE SPRUCE CT	454 SPRUCE	REDMOND
151303BC01100	15	13	3	1100 One story	1031	2010	0	484 NE SPRUCE CT	484 SPRUCE	REDMOND
151303BC01200	15	13	3	1200 One story	1234	2010	0	494 NE SPRUCE CT	494 SPRUCE	REDMOND
151303BC01800	15	13	3	1800 One story	1007	2010	0	2656 NE 3RD ST	2656 3RD	REDMOND
151303BC00800	15	13	3	800 One story	1408	2011	0	434 NE SPRUCE CT	434 SPRUCE	REDMOND
151303BC00900	15	13	3	900 One story	1234	2011	0	444 NE SPRUCE CT	444 SPRUCE	REDMOND
171215AB00601	17	12	15	601 Two story	2659	2011	0	63520 OLD DESCHUTES RD	63520 OLD DESCHUTES	BEND
171222CB04500	17	12	22	4500 Yard Improvements	0	2012	24950	2011 62970 18TH ST	62970 18TH	BEND
151316DC00304	15	13	16	304 Yard Improvements	0	2013	9556	2013 1400 SW CANAL BLVD	1400 CANAL	REDMOND
171215CB00140	17	12	15	140 One story	1992	2013	0	20878 BOBWHITE CT	20878 BOBWHITE	BEND
151321CC00601	15	13	21	601 Yard Improvements	0	2014	10800	2014 2872 SW 17TH PL	2872 17TH	REDMOND
171215DC00301	17	12	15	301 Two story	3392	2014	1760	2018 63289 OLD DESCHUTES RD	63289 OLD DESCHUTES	BEND
161223B000106	16	12	23	106 One story	790	2015	120	2014 65512 73RD ST	65512 73RD	BEND
141335C002700	14	13	35	2700 GP Shed	192	2015	455	2015 1929 NE VARNISH AVE	1929 VARNISH	REDMOND
151310B000304	15	13	10	304 Yard Improvements	0	2015	0	2015 1350 NW CANAL BLVD	1350 CANAL	REDMOND
151329A000107	15	13	29	107 Other Improvements	1584	2015	0	3399 S HWY 97	3399 HWY 97	REDMOND
171222BA08300	17	12	22	8300 Two story	2166	2015	0	3835 NE PURCELL BLVD	3835 PURCELL	BEND
151303BD15700	15	13	3	15700 Two story	1743	2016	0	2651 NE 6TH DR	2651 6TH	REDMOND
151303BD15800	15	13	3	15800 One story	1574	2016	0	2661 NE 6TH DR	2661 6TH	REDMOND
151303BD15900	15	13	3	15900 Two story	2192	2016	0	2671 NE 6TH DR	2671 6TH	REDMOND
151303BD16000	15	13	3	16000 One story	1805	2016	0	2681 NE 6TH DR	2681 6TH	REDMOND
151303BD16100	15	13	3	16100 One story	1574	2016	0	2691 NE 6TH DR	2691 6TH	REDMOND
171215AB00301	17	12	15	301 One story	1798	2016	0	63550 OLD DESCHUTES RD	63550 OLD DESCHUTES	BEND
171215CB00141	17	12	15	141 Two story	2030	2016	0	20874 BOBWHITE CT	20874 BOBWHITE	BEND
161226C000301	16	12	26	301 Yard Improvements	0	2017	1764	1998 64993 DESCHUTES MARKET RD	64993 DESCHUTES MARKET	BEND
171222CB04600	17	12	22	4600 Yard Improvements	0	2017	67574	2016 62950 18TH ST	62950 18TH	BEND
151303BD15500	15	13	3	15500 One story	1574	2017	0	2631 NE 6TH DR	2631 6TH	REDMOND
151303BD15600	15	13	3	15600 One story	1805	2017	0	2641 NE 6TH DR	2641 6TH	REDMOND
151329BD03500	15	13	29	3500 One story	1088	2017	0	3722 SW CANAL BLVD	3722 CANAL	REDMOND
1612230000300	16	12	23	300 Double wide	1556	2017	0	65393 HWY 97	65393 HWY 97	BEND
161223B000104	16	12	23	104 One story	1595	2017	0	65540 73RD ST	65540 73RD	BEND
171215AD00600	17	12	15	600 One story with basement	1285	2017	0	21095 SCOTTSDALE DR	21095 SCOTTSDALE	BEND
171215CB00139	17	12	15	139 One story	2290	2017	0	20882 BOBWHITE CT	20882 BOBWHITE	BEND

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171222BC03100	17	12	22	3100 Yard Improvements	0	2018	48500	2017 63040 18TH ST	63040 18TH	BEND
151329BD06500	15	13	29	6500 Two story	1435	2018	1455	2020 2755 SW GREENS BLVD	2755 GREENS	REDMOND
141335C001500	14	13	35	1500 Triple wide	2430	2018	0	3996 NE WALNUT DR	3996 WALNUT	REDMOND
171215CD00901	17	12	15	901 One story	2531	2018	0	63213 OLD DESCHUTES RD	63213 OLD DESCHUTES	BEND
171215AD00111	17	12	15	111 Two story	5392	2019	0	63495 OVERTREE RD	63495 OVERTREE	BEND
1413340002000	14	13	34	2000 One story	1920	2020	120	1985 1110 NE KING WAY	1110 KING	REDMOND
1712100000110	17	12	10	110 Yard Improvements	0	2020	45000	2019 20901 COOLEY RD	20901 COOLEY	BEND
1712100000111	17	12	10	111 Yard Improvements	0	2020	30104	2019 20949 COOLEY RD	20949 COOLEY	BEND
151329CB04302	15	13	29	4302 One story	1800	2020	0	4152 SW 34TH ST	4152 34TH	REDMOND
151329CB04303	15	13	29	4303 One story	1574	2020	0	4164 SW 34TH ST	4164 34TH	REDMOND
151329CB04304	15	13	29	4304 One story	1574	2020	0	4176 SW 34TH ST	4176 34TH	REDMOND
151329CB04305	15	13	29	4305 One story	1979	2020	0	4188 SW 34TH ST	4188 34TH	REDMOND
151329CB04306	15	13	29	4306 One story	1574	2020	0	4202 SW 34TH ST	4202 34TH	REDMOND
151329CB04307	15	13	29	4307 One story	1979	2020	0	4214 SW 34TH ST	4214 34TH	REDMOND
151329CB04308	15	13	29	4308 One story	1574	2020	0	4226 SW 34TH ST	4226 34TH	REDMOND
151329CB04309	15	13	29	4309 Two story	2250	2020	0	4238 SW 34TH ST	4238 34TH	REDMOND
151329CB04310	15	13	29	4310 One story	1408	2020	0	4250 SW 34TH ST	4250 34TH	REDMOND
151329CB04311	15	13	29	4311 One story	1574	2020	0	4262 SW 34TH ST	4262 34TH	REDMOND
151329CB04312	15	13	29	4312 One story	1574	2020	0	4274 SW 34TH ST	4274 34TH	REDMOND
151329CB04313	15	13	29	4313 Two story	1994	2020	0	4286 SW 34TH ST	4286 34TH	REDMOND
171215AA00706	17	12	15	706 One story	2582	2020	0	21155 SCOTTSDALE DR	21155 SCOTTSDALE	BEND
171215AA00710	17	12	15	710 One story	3106	2020	0	21215 SCOTTSDALE DR	21215 SCOTTSDALE	BEND
161223B000102	16	12	23	102 Two story	1680	2021	48	1950 65564 73RD ST	65564 73RD	BEND
141335C000900	14	13	35	900 One story	1940	2021	120	1975 2100 NE WALNUT DR	2100 WALNUT	REDMOND
161223C001400	16	12	23	1400 GP Shed	690	2021	1296	1990 65185 HWY 97	65185 HWY 97	BEND
1612230000202	16	12	23	202 One story with basement	800	2021	0	21425 GIFT RD	21425 GIFT	BEND
171215AA00300	17	12	15	300 Two story	2785	2021	0	63557 OVERTREE RD	63557 OVERTREE	BEND
171215AA00708	17	12	15	708 One story	3534	2021	0	21185 SCOTTSDALE DR	21185 SCOTTSDALE	BEND
171215AA00711	17	12	15	711 One story	3492	2021	0	21225 SCOTTSDALE DR	21225 SCOTTSDALE	BEND
171215CA00107	17	12	15	107 Two story	2146	2021	0	63400 BRIGHTWATER DR	63400 BRIGHTWATER	BEND
151310B000302	15	13	10	302 Yard Improvements	0		352	1971 1228 NW CANAL BLVD	1228 CANAL	REDMOND
151321BA01600	15	13	21	1600 Automotive - Showroom	17340		4900	1974 1835 S HWY 97	1835 HWY 97	REDMOND
161226C000107	16	12	26	107 Yard Improvements	1		7960	1984 64970 DESCHUTES PLEASANT RIDGE RD	64970 DESCHUTES PLEASANT RIDGE	BEND
151321CC00700	15	13	21	700 Yard Improvements	0		1524	1988 2987 S HWY 97	2987 HWY 97	REDMOND
171221DC00102	17	12	21	102 Yard Improvements	0		32625	1988 62895 PEERLESS CT	62895 PEERLESS	BEND
151321C001704	15	13	21	1704 Yard Improvements	0		40179	1992 2630 SW 17TH PL	2630 17TH	REDMOND
151321B003000	15	13	21	3000 Yard Improvements	0		8000	1994 2145 S HWY 97	2145 HWY 97	REDMOND
151329A000102	15	13	29	102 Yard Improvements	0		67328	1995 3141 S HWY 97	3141 HWY 97	REDMOND
151321B002500	15	13	21	2500 Yard Improvements	0		2660	1996 2005 S HWY 97	2005 HWY 97	REDMOND
151321B003100	15	13	21	3100 Yard Improvements	0		5668	1999 2163 S HWY 97	2163 HWY 97	REDMOND

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171222CB04400	17	12	22	4400 Yard Improvements	0	8400	2008 62990 18TH ST	62990 18TH	BEND
151321C000704	15	13	21	704 Yard Improvements	0	622	2018 1649 SW ODEM MEDO RD	1649 ODEM MEDO	REDMOND
151321C000705	15	13	21	705 Yard Improvements	0	3696	2018		
151321C002100	15	13	21	2100 Yard Improvements	0	800	2020 3039 S HWY 97	3039 HWY 97	REDMOND
141335C000700	14	13	35	700	0	0	1888 NE WALNUT DR	1888 WALNUT	REDMOND
141335C000800	14	13	35	800	0	0	1956 NE WALNUT DR	1956 WALNUT	REDMOND
1513030001300	15	13	3	1300	0	0	126 NE KING WAY	126 KING	REDMOND
151303CC00200	15	13	3	200	0	0	1950 NE 2ND ST	1950 2ND	REDMOND
151303CC00201	15	13	3	201	0	0			
151303CC00800	15	13	3	800	0	0			
151303CC00900	15	13	3	900	0	0			
151303CC01000	15	13	3	1000	0	0			
151304DA00300	15	13	4	300	0	0			
151304DD00100	15	13	4	100	0	0			
151310B000300	15	13	10	300	0	0	1160 NW CANAL BLVD	1160 CANAL	REDMOND
151310B000303	15	13	10	303	0	0	1414 NW CANAL BLVD	1414 CANAL	REDMOND
151310B000399	15	13	10	399	0	0			
151310B000500	15	13	10	500	0	0	124 NE HEMLOCK AVE	124 HEMLOCK	REDMOND
151316AD00099	15	13	16	99	0	0			
151316DC00302	15	13	16	302	0	0			
151320DD00101	15	13	20	101	0	0			
151320DD00199	15	13	20	199	0	0			
151321B001900	15	13	21	1900	0	0			
151321B002200	15	13	21	2200 Warehouse - warehouse	1680	0	1996 SW CANAL BLVD	1996 CANAL	REDMOND
151321B002400	15	13	21	2400	0	0	1949 S HWY 97	1949 HWY 97	REDMOND
151321B003300	15	13	21	3300	0	0	2285 S HWY 97	2285 HWY 97	REDMOND
151321B003303	15	13	21	3303	0	0			
151321BA01500	15	13	21	1500 Yard Improvements	0	216	1705 S HWY 97	1705 HWY 97	REDMOND
151321BA01700	15	13	21	1700	0	0			
151321BA01800	15	13	21	1800	0	0			
151321BA01900	15	13	21	1900	0	0			
151321C000401	15	13	21	401 Yard Improvements	0	0	2337 S HWY 97	2337 HWY 97	REDMOND
151321C001702	15	13	21	1702 Yard Improvements	0	270	1512 SW ODEM MEDO RD	1512 ODEM MEDO	REDMOND
1513290000806	15	13	29	806 Entertainment - Golf Course	0	0	4475 S HWY 97	4475 HWY 97	REDMOND
151329A000106	15	13	29	106 Yard Improvements	0	1	3315 S HWY 97	3315 HWY 97	REDMOND
151329A000109	15	13	29	109	0	0	3399 S HWY 97	3399 HWY 97	REDMOND
151329A000110	15	13	29	110	0	0			
151329A000310	15	13	29	310	0	0	3530 SW 26TH ST	3530 26TH	REDMOND

Pilot Butte Canal Watershed Plan -EIS Project
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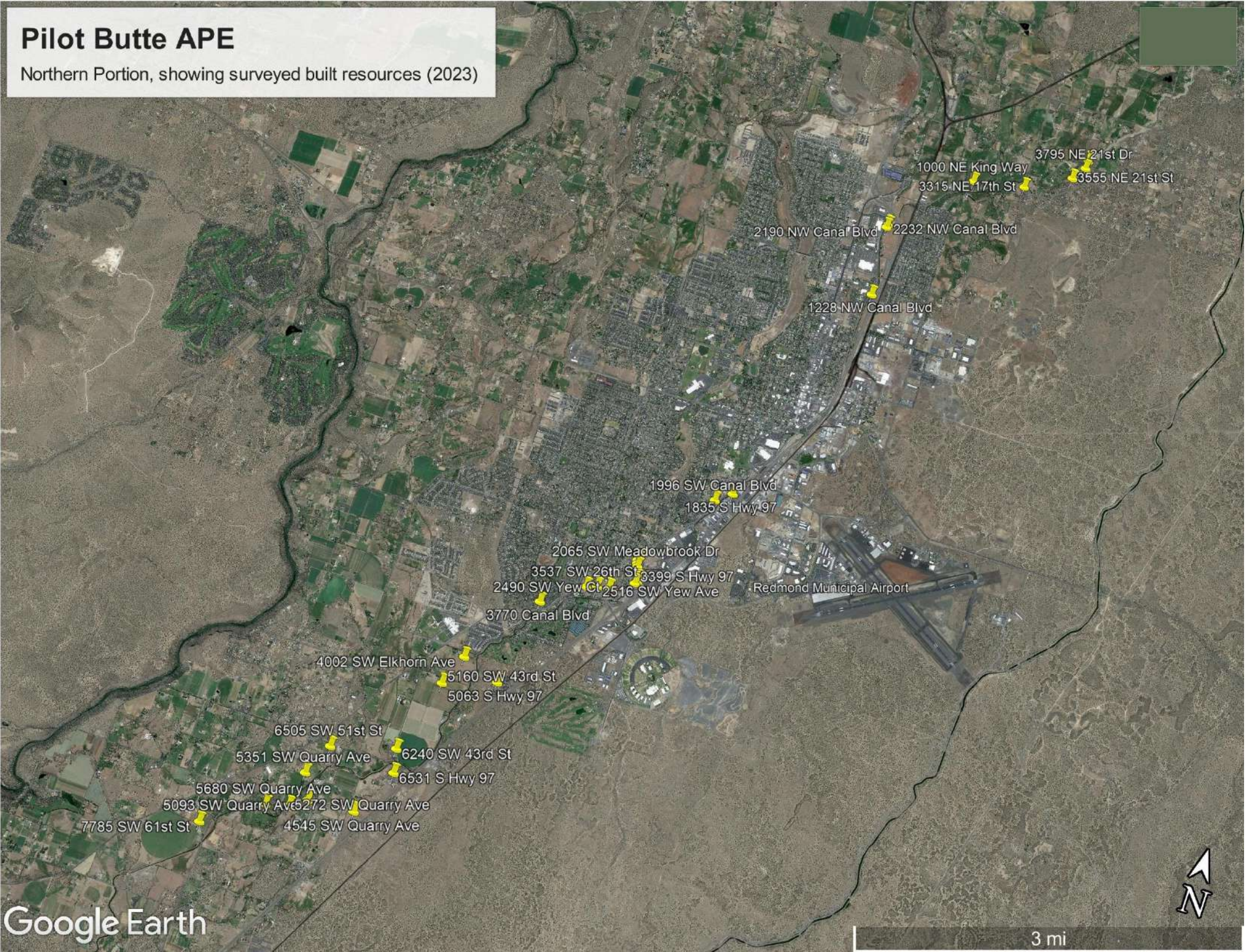
151304DACANAL	15	13	4 CANAL		0	0			
151309A0CANAL	15	13	9 CANAL		0	0			
151309DACANAL	15	13	9 CANAL		0	0			
151309DDCANAL	15	13	9 CANAL		0	0			
151310B0CANAL	15	13	10 CANAL		0	0			
151316DACANAL	15	13	16 CANAL		0	0			
151316DBCANAL	15	13	16 CANAL		0	0			
151316DCCANAL	15	13	16 CANAL		0	0			
151321ABCANAL	15	13	21 CANAL		0	0			
151321B0CANAL	15	13	21 CANAL		0	0			
151321BACANAL	15	13	21 CANAL		0	0			
151321C0CANAL	15	13	21 CANAL		0	0			
151329A0CANAL	15	13	29 CANAL		0	0			
151329AC03200	15	13	29	3200	0	0			
151329BD02900	15	13	29	2900	0	0			
151329BD06600	15	13	29	6600	0	0			
151329BD06800	15	13	29	6800	0	0	2799 SW GREENS BLVD	2799 GREENS	REDMOND
151329BD07000	15	13	29	7000	0	0			
151329BD90000	15	13	29	90000	0	0			
151329CA06200	15	13	29	6200	0	0	3770 SW CANAL BLVD	3770 CANAL	REDMOND
151329CA06700	15	13	29	6700	0	0			
151329CA08500	15	13	29	8500	0	0			
151329CB04100	15	13	29	4100	0	0			
151329CB04201	15	13	29	4201	0	0			
151329CB04301	15	13	29	4301	0	0			
151329CC02000	15	13	29	2000	0	0	4369 SW TOMMY ARMOUR CT	4369 TOMMY ARMOUR	REDMOND
151329CC02200	15	13	29	2200	0	0			
151330DD05700	15	13	30	5700	0	0			
1513310000704	15	13	31	704	0	0	5160 SW 43RD ST	5160 43RD	REDMOND
1513310000906	15	13	31	906	0	0			
1513310000908	15	13	31	908	0	0			
161201D000106	16	12	1	106	0	0	6326 SW CANAL BLVD	6326 CANAL	REDMOND
1612110000102	16	12	11	102	0	0	8021 SW 61ST ST	8021 61ST	REDMOND

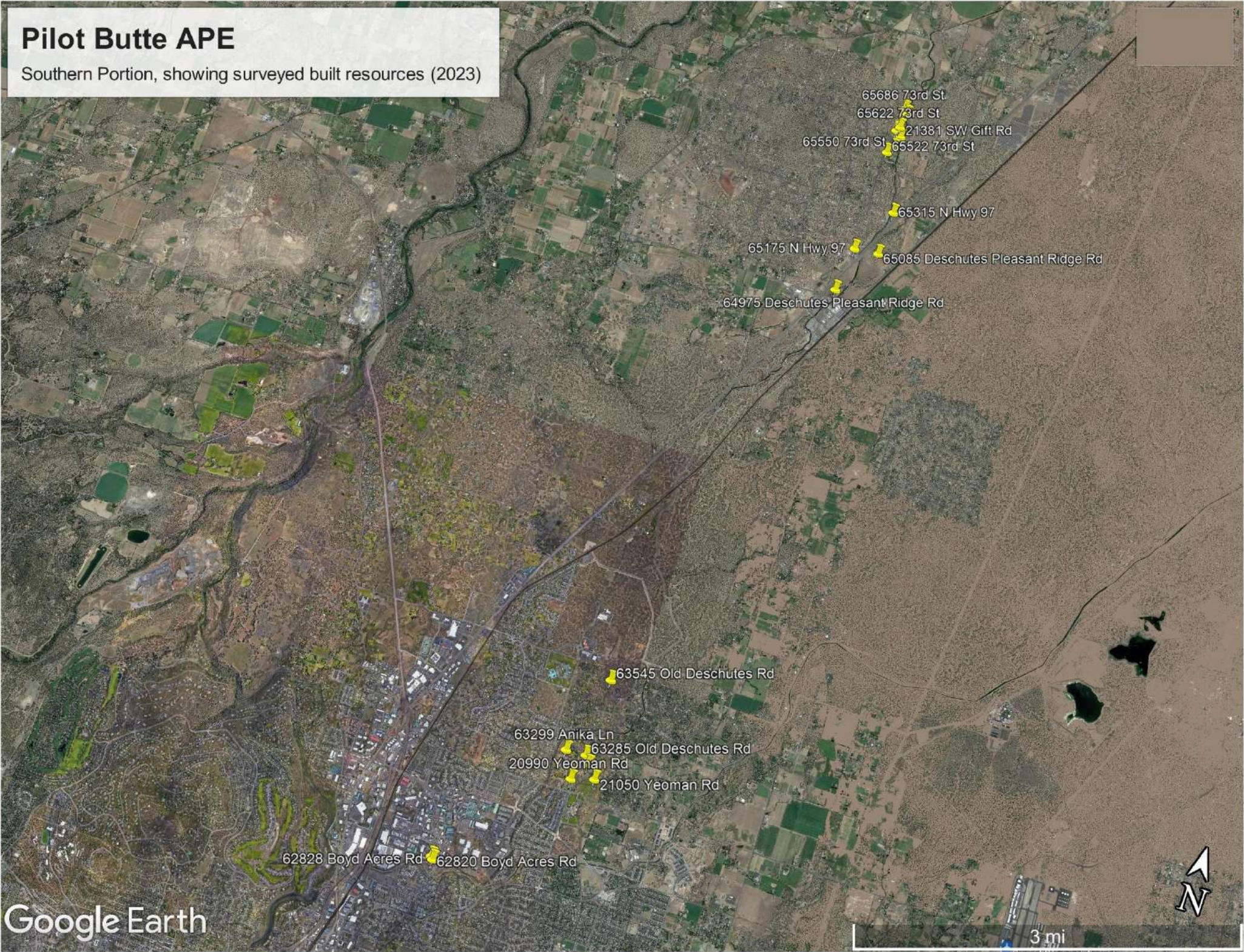
Pilot Butte Canal Watershed Plan -EIS Project
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October 2023

1612110000103	16	12	11	103	0	0	7868 SW CANAL BLVD	7868 CANAL	REDMOND
1612110000900	16	12	11	900	0	0	21450 YOUNG AVE	21450 YOUNG	BEND
1612120000303	16	12	12	303	0	0	5450 SW QUARRY AVE	5450 QUARRY	REDMOND
1612140000500	16	12	14	500	0	0	65745 61ST ST	65745 61ST	BEND
1612140000703	16	12	14	703	0	0	21345 YOUNG AVE	21345 YOUNG	BEND
161214C000101	16	12	14	101	0	0	65680 73RD ST	65680 73RD	BEND
161214D001000	16	12	14	1000	0	0	21450 GIFT RD	21450 GIFT	BEND
1612230000700	16	12	23	700	0	0			
161226A000201	16	12	26	201	0	0			
161226A000202	16	12	26	202	0	0			
161226B000101	16	12	26	101	0	0	65110 N HWY 97	65110 HWY 97	BEND
161226B000200	16	12	26	200	0	0	65175 N HWY 97	65175 HWY 97	BEND
161226C000100	16	12	26	100	0	0	64815 DESCHUTES MARKET RD	64815 DESCHUTES MARKET	BEND
161226C000109	16	12	26	109	0	0			
161226C000300	16	12	26	300	0	0	64999 DESCHUTES MARKET RD	64999 DESCHUTES MARKET	BEND
1612340000100	16	12	34	100	0	0			
1612340000701	16	12	34	701	0	0	64580 HWY 97	64580 HWY 97	BEND
1612340000900	16	12	34	900	0	0	64450 HWY 97	64450 HWY 97	BEND
1612350000200	16	12	35	200	0	0	64799 HWY 97	64799 HWY 97	BEND
1613000000100	16	13	0	100	0	0			
1712100000100	17	12	10	100	0	0	63600 18TH ST	63600 18TH	BEND
1712100000114	17	12	10	114	0	0			
1712100000116	17	12	10	116	0	0			
1712100000117	17	12	10	117	0	0			
1712150000206	17	12	15	206	0	0	20885 EGYPT DR	20885 EGYPT	BEND
171215AA00500	17	12	15	500	0	0	63595 OVERTREE RD	63595 OVERTREE	BEND
171215AA00700	17	12	15	700	0	0	21165 SCOTTSDALE DR	21165 SCOTTSDALE	BEND
171215AA00709	17	12	15	709	0	0	21195 SCOTTSDALE DR	21195 SCOTTSDALE	BEND
171215AB00300	17	12	15	300	0	0			
171215AC00800	17	12	15	800	0	0	21055 SCOTTSDALE DR	21055 SCOTTSDALE	BEND
171215BA00500	17	12	15	500	0	0	20985 ROYAL OAK CIR	20985 ROYAL OAK	BEND
171215CD00302	17	12	15	302	0	0			
171215CD00400	17	12	15	400	0	0	63265 ANIKA LN	63265 ANIKA	BEND
171215CD00600	17	12	15	600	0	0	63235 ANIKA LN	63235 ANIKA	BEND
171215CD00700	17	12	15	700	0	0	63225 ANIKA LN	63225 ANIKA	BEND
171221C002100	17	12	21	2100 Mach. & Equip. State	0	0	62845 BOYD ACRES RD	62845 BOYD ACRES	BEND
171221C003300	17	12	21	3300	0	0			
171221C003400	17	12	21	3400	0	0			

Pilot Butte Canal Watershed Plan -EIS Project
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October 2023

171221C003500	17	12	21	3500	0	0			
171221DC00103	17	12	21	103 Machine Shed	2880	0	62885 MERCURY PL	62885 MERCURY	BEND
171221DC00400	17	12	21	400	0	0	62810 BOYD ACRES RD	62810 BOYD ACRES	BEND
171221DC00800	17	12	21	800	0	0			
171221DC00900	17	12	21	900	0	0			
171221DD00104	17	12	21	104	0	0	62864 NE OXFORD CT	62864 OXFORD	BEND
171221DD00105	17	12	21	105	0	0	62852 NE OXFORD CT	62852 OXFORD	BEND
171221DD00106	17	12	21	106	0	0	62853 NE OXFORD CT	62853 OXFORD	BEND
171221DD00107	17	12	21	107	0	0	62889 NE OXFORD CT	62889 OXFORD	BEND
171221DD00109	17	12	21	109	0	0	20717 BRINSON BLVD	20717 BRINSON	BEND
171221DD04100	17	12	21	4100	0	0			
171221DD04101	17	12	21	4101	0	0			
171222BA13800	17	12	22	13800	0	0			
171222BB04100	17	12	22	4100	0	0			
171222BB04200	17	12	22	4200	0	0			
171222BB04400	17	12	22	4400	0	0	63171 BROOKSTONE LN	63171 BROOKSTONE	BEND
171222BB04901	17	12	22	4901	0	0	63196 NE 18TH ST	63196 18TH	BEND
171222BC03203	17	12	22	3203	0	0	63016 18TH ST	63016 18TH	BEND
171222CB04200	17	12	22	4200	0	0	62905 BILYEU WAY	62905 BILYEU	BEND
171222CC00099	17	12	22	99	0	0			
171222CC04300	17	12	22	4300	0	0	20801 BRINSON BLVD	20801 BRINSON	BEND
171222CC04303	17	12	22	4303	0	0			
171222CC04900	17	12	22	4900	0	0	20875 REDSIDE CT	20875 REDSIDE	BEND
171228B000201	17	12	28	201	0	0			
171228B000202	17	12	28	202	0	0			
171228B000390	17	12	28	390	0	0			
171228B000800	17	12	28	800 Yard Improvements	0	0	460 NE BUTLER MARKET RD	460 BUTLER MARKET	BEND
171229A000501	17	12	29	501	0	0	2750 NE DIVISION ST	2750 DIVISION	BEND
171229A000602	17	12	29	602	0	0	2755 NE DIVISION ST	2755 DIVISION	BEND
171229AD04300	17	12	29	4300	0	0			
171229A000000	17	12	29	CANAL	0	0			





APPENDIX B

Oregon Historic Sites Inventory Forms Resources identified as Potentially Historic, per Deschutes County Property Information (DIAL)



Pilot Butte Canal Watershed Plan -EIS Project
Preliminary Evaluation – Historic Built Resources within the APE
October 2023

7/13/2023

Historic Building Report/Counts

Page 1 of 2

(All Properties Inventoried)

Evaluation Counts - COID Pilot Butte Canal APE Resources

Evaluation	Quantity	% of Total
demolished	1	2%
eligible/contributing	4	6%
not eligible/non-contributing	57	92%
Total:	62	

Construction Date Decade Counts - COID Pilot Butte Canal APE Resources

Decade	Quantity	% of Total
Unrecorded	1	2%
1910s	1	2%
1920s	6	10%
1930s	4	6%
1940s	4	6%
1950s	12	19%
1960s	5	8%
1970s	27	44%
1980s	1	2%
2000s	1	2%
Total:	62	

Original Use Counts - COID Pilot Butte Canal APE Resources

Original Use	Quantity	% of Total
AGRICULTURE / SUBSISTENCE	6	10%
COMMERCE / TRADE	7	11%
DOMESTIC	49	79%
Total:	62	

Material Counts - COID Pilot Butte Canal APE Resources

Materials	Quantity	% of Total
Undefined	62	100%
Total:	62	

Oregon Historic Site Form

3315 17th St
Redmond, Deschutes County

LOCATION AND PROPERTY NAME

address: 3315 NE 17th St ☐ apprx. addr

Redmond ☐ vcnty Deschutes County

Optional Information

assoc addresses:
(former addresses, intersections, etc.)

location descr:
(remote sites)

historic name:

current/
other names:

block nbr: _____ lot nbr: _____ tax lot nbr: _____

township: _____ range: _____ section: _____ 1/4: _____

zip: _____

PROPERTY CHARACTERISTICS

resource type: Building height (# stories): _____

elig. evaluation: not eligible/non-contributing

primary constr date: 1971 (c.) ☐ secondary date: _____ (c.) ☐
(optional--use for major addns)

primary orig use: Sinale Dwelling

secondary orig use: _____

primary style: _____

secondary style: _____

primary siding: _____

secondary siding: _____

plan type: _____

total # eligible resources: _____ total # ineligible resources: _____

NR status: _____

NR date listed: _____ (indiv listed only; see
Grouping for hist dist)

orig use comments: _____

prim style comments: _____

sec style comments: _____

siding comments: _____

architect: _____

builder: _____

comments/notes: **DIAL reports 2634sf residence built 1971 with one farm outbuilding built 1970. Common design, no obvious design or associative significance.**

GROUPINGS / ASSOCIATIONS

survey project name or other grouping name: COID Pilot Butte Canal APE Resources Other (enter description)

farmstead/cluster name: _____

external site #: _____

(ID# used in city/agency database)

SHPO INFO FOR THIS PROPERTY

NR date listed: _____

ILS survey date: _____

RLS survey date: 6/28/2023

Gen File date: _____

106 Project(s)



Looking SE from ROW

Oregon Historic Site Form

3679 21st Dr
Redmond, Deschutes County

LOCATION AND PROPERTY NAME

address: 3679 NE 21st Dr ☐ apprx. addr

Redmond ☐ vcnty Deschutes County

Optional Information

assoc addresses:
(former addresses, intersections, etc.)

location descr:
(remote sites)

historic name:

current/
other names:

block nbr: _____ lot nbr: _____ tax lot nbr: _____

township: _____ range: _____ section: _____ 1/4: _____

zip: _____

PROPERTY CHARACTERISTICS

resource type: Building height (# stories): _____

elig. evaluation: not eligible/non-contributing

primary constr date: 1975 (c.) ☐ secondary date: _____ (c.) ☐
(optional--use for major addns)

primary orig use: Sinle Dwelling

secondary orig use: _____

primary style: _____

secondary style: _____

primary siding: _____

secondary siding: _____

plan type: _____

total # eligible resources: _____ total # ineligible resources: _____

NR status: _____

NR date listed: _____ (indiv listed only; see
Grouping for hist dist)

orig use comments: _____

prim style comments: _____

sec style comments: _____

siding comments: _____

architect: _____

builder: _____

comments/notes: **DIAL reports 960 sf residence built 1975 with one farm outbuilding built 1950. Common design, no obvious design or associative significance.**

GROUPINGS / ASSOCIATIONS

survey project name or other grouping name COID Pilot Butte Canal APE Resources Other (enter description)

farmstead/cluster name: _____

external site #: _____

(ID# used in city/agency database)

SHPO INFO FOR THIS PROPERTY

NR date listed: _____

ILS survey date: _____

RLS survey date: 6/28/2023

Gen File date: _____

106 Project(s)



View from NE 21st (House Hidden)

Oregon Historic Site Form

3795 21st Dr
Redmond, Deschutes County

LOCATION AND PROPERTY NAME

address: 3795 NE 21st Dr ☐ apprx. addr

Redmond ☐ vcnty Deschutes County

Optional Information

assoc addresses:
(former addresses, intersections, etc.)

location descr:
(remote sites)

historic name:

current/
other names:

block nbr: _____ lot nbr: _____ tax lot nbr: _____

township: _____ range: _____ section: _____ 1/4: _____

zip: _____

PROPERTY CHARACTERISTICS

resource type: Building height (# stories): _____

elig. evaluation: not eligible/non-contributing

primary constr date: 1920 (c.) ☐ secondary date: _____ (c.) ☐
(optional--use for major addns)

primary orig use: Sinle Dwelling

secondary orig use: _____

primary style: _____

secondary style: _____

primary siding: _____

secondary siding: _____

plan type: _____

total # eligible resources: _____ total # ineligible resources: _____

NR status: _____

NR date listed: _____ (indiv listed only; see
Grouping for hist dist)

orig use comments: _____

prim style comments: _____

sec style comments: _____

siding comments: _____

architect: _____

builder: _____

comments/notes: **DIAL reports 2114sf residence built 1920 with one farm outbuilding built 1950 (Not visible from ROW, but without any obvious significance based on aerial views.**

GROUPINGS / ASSOCIATIONS

survey project name or other grouping name: COID Pilot Butte Canal APE Resources Other (enter description)

farmstead/cluster name: _____

external site #: _____

(ID# used in city/agency database)

SHPO INFO FOR THIS PROPERTY

NR date listed: _____

ILS survey date: _____

RLS survey date: 6/28/2023

Gen File date: _____

106 Project(s)



Looking west, from 21st Street

Oregon Historic Site Form

3997 21st St
Redmond, Deschutes County

LOCATION AND PROPERTY NAME

address: 3997 NE 21st St ☐ apprx. addr

Redmond ☐ vcnty Deschutes County

Optional Information

assoc addresses:
(former addresses, intersections, etc.)

location descr:
(remote sites)

historic name:

current/
other names:

block nbr: _____ lot nbr: _____ tax lot nbr: _____

township: _____ range: _____ section: _____ 1/4: _____

zip: _____

PROPERTY CHARACTERISTICS

resource type: Building height (# stories): _____

elig. evaluation: not eligible/non-contributing

primary constr date: 1970 (c.) ☒ secondary date: _____ (c.) ☐
(optional--use for major addns)

primary orig use: Sinle Dwelling

secondary orig use: _____

primary style: _____

secondary style: _____

primary siding: _____

secondary siding: _____

plan type: _____

total # eligible resources: _____ total # ineligible resources: _____

NR status: _____

NR date listed: _____ (indiv listed only; see
Grouping for hist dist)

orig use comments: _____

prim style comments: _____

sec style comments: _____

siding comments: _____

architect: _____

builder: _____

comments/notes: **DIAL reports 840sf residence built 1970 with three farm outbuildings built 1976-1990. Common design, no obvious design or associative significance.**

GROUPINGS / ASSOCIATIONS

survey project name or other grouping name COID Pilot Butte Canal APE Resources Other (enter description)

farmstead/cluster name: _____

external site #: _____

(ID# used in city/agency database)

SHPO INFO FOR THIS PROPERTY

NR date listed: _____

ILS survey date: _____

RLS survey date: 6/28/2023

Gen File date: _____

106 Project(s)



Looking West, from 21st Street

Oregon Historic Site Form

3537 26th St
Redmond, Deschutes County

LOCATION AND PROPERTY NAME

address: 3537 SW 26th St ☐ apprx.
addrRedmond ☐ vcnty Deschutes County

Optional Information

assoc addresses:
(former addresses, intersections, etc.)location descr:
(remote sites)

historic name:

current/
other names:

block nbr: _____ lot nbr: _____ tax lot nbr: _____

township: _____ range: _____ section: _____ 1/4: _____

zip: _____

PROPERTY CHARACTERISTICS

resource type: Building height (# stories): _____elig. evaluation: not eligible/non-contributingprimary constr date: 1971 (c.) ☐ secondary date: _____ (c.) ☐
(optional--use for major addns)primary orig use: Sinle Dwelling

secondary orig use: _____

primary style: _____

secondary style: _____

primary siding: _____

secondary siding: _____

plan type: _____

total # eligible resources: _____ total # ineligible resources: _____

NR status: _____

NR date listed: _____ (indiv listed only; see
Grouping for hist dist)

orig use comments: _____

prim style comments: _____

sec style comments: _____

siding comments: _____

architect: _____

builder: _____

comments/notes: **DIAL repoerts 1612sf residence built 1971 with one farm outbuilding, 1971. Common design, no obvious design or associative significance.**

GROUPINGS / ASSOCIATIONS

survey project name or other grouping name COID Pilot Butte Canal APE Resources Other (enter description)

farmstead/cluster name: _____

external site #: _____

(ID# used in city/agency database)

SHPO INFO FOR THIS PROPERTY

NR date listed: _____

ILS survey date: _____

RLS survey date: 6/28/2023

Gen File date: _____

106 Project(s)



Looking SE from 26th Ave

Oregon Historic Site Form

5160 43rd St
Redmond, Deschutes County

LOCATION AND PROPERTY NAME

address: 5160 SW 43rd St ☐ apprx. addr

Redmond ☐ vcnty Deschutes County

Optional Information

assoc addresses:
(former addresses, intersections, etc.)

location descr:
(remote sites)

historic name:

current/
other names:

block nbr: _____ lot nbr: _____ tax lot nbr: _____

township: _____ range: _____ section: _____ 1/4: _____

zip: _____

PROPERTY CHARACTERISTICS

resource type: Building height (# stories): _____

elig. evaluation: not eligible/non-contributing

primary constr date: 1954 (c.) ☐ secondary date: _____ (c.) ☐
(optional--use for major addns)

primary orig use: Sinle Dwelling

secondary orig use: _____

primary style: _____

secondary style: _____

primary siding: _____

secondary siding: _____

plan type: _____

total # eligible resources: _____ total # ineligible resources: _____

NR status: _____

NR date listed: _____ (indiv listed only; see
Grouping for hist dist)

orig use comments: _____

prim style comments: _____

sec style comments: _____

siding comments: _____

architect: _____

builder: _____

comments/notes: **DIAL reports 2680sf residence built in 1954 with three farm outbuildings, built 1920, 1930, and 1940. Common design, somewhat modified, without any obvious design or associative significance.**

GROUPINGS / ASSOCIATIONS

survey project name or other grouping name COID Pilot Butte Canal APE Resources Other (enter description)

farmstead/cluster name: _____

external site #: _____

(ID# used in city/agency database)

SHPO INFO FOR THIS PROPERTY

NR date listed: _____

ILS survey date: _____

RLS survey date: 6/28/2023

Gen File date: _____

106 Project(s)



View from 43rd Street, Looking South

Oregon Historic Site Form

One-story rural cottage

6240 43rd St

Redmond, Deschutes County

LOCATION AND PROPERTY NAME

address: 6240 SW 43rd St ☐ apprx. addrhistoric name: One-story rural cottageRedmond ☐ vcnty Deschutes Countycurrent/
other names:

Optional Information

assoc addresses:
(former addresses, intersections, etc.)location descr:
(remote sites)

block nbr: _____ lot nbr: _____ tax lot nbr: _____

township: _____ range: _____ section: _____ 1/4: _____

zip: _____

PROPERTY CHARACTERISTICS

resource type: Building height (# stories): _____

total # eligible resources: _____ total # ineligible resources: _____

elig. evaluation: eligible/contributingprimary constr date: 1949 (c.) ☐ secondary date: _____ (c.) ☐
(optional--use for major addns)

NR status: _____

NR date listed: _____ (indiv listed only; see
Grouping for hist dist)primary orig use: Sinale Dwelling

orig use comments: _____

secondary orig use: _____

primary style: _____

prim style comments: _____

secondary style: _____

sec style comments: _____

primary siding: _____

siding comments: _____

secondary siding: _____

plan type: _____

architect: _____

builder: _____

comments/notes: **DIAL reports 1328sf residence built 1949 with one farm outbuilding built 1945.**

GROUPINGS / ASSOCIATIONS

survey project name or other grouping name COID Pilot Butte Canal APE Resources Other (enter description)

farmstead/cluster name: _____

external site #: _____
(ID# used in city/agency database)

SHPO INFO FOR THIS PROPERTY

NR date listed: _____

ILS survey date: _____

RLS survey date: 6/29/2023

Gen File date: _____

106 Project(s)

Looking east, from 43rd St.

Oregon Historic Site Form

6411 46th St
Redmond, Deschutes County

LOCATION AND PROPERTY NAME

address: 6411 SW 46th St ☐ apprx. addr

Redmond ☐ vcnty Deschutes County

Optional Information

assoc addresses:
(former addresses, intersections, etc.)

location descr:
(remote sites)

historic name:

current/
other names:

block nbr: _____ lot nbr: _____ tax lot nbr: _____

township: _____ range: _____ section: _____ 1/4: _____

zip: _____

PROPERTY CHARACTERISTICS

resource type: building height (# stories): _____

elig. evaluation: not eligible/non-contributing

primary constr date: 1979 (c.) ☐ secondary date: _____ (c.) ☐
(optional--use for major addns)

primary orig use: Sinale Dwelling

secondary orig use: _____

primary style: _____

secondary style: _____

primary siding: _____

secondary siding: _____

plan type: _____

total # eligible resources: _____ total # ineligible resources: _____

NR status: _____

NR date listed: _____ (indiv listed only; see
Grouping for hist dist)

orig use comments: _____

prim style comments: _____

sec style comments: _____

siding comments: _____

architect: _____

builder: _____

comments/notes: **DIAL reports 1512sf residence built 1979 with one farm building, built 1940. Common design, no obvious design or associative significance.**

GROUPINGS / ASSOCIATIONS

survey project name or other grouping name: COID Pilot Butte Canal APE Resources Other (enter description)

farmstead/cluster name: _____

external site #: _____

(ID# used in city/agency database)

SHPO INFO FOR THIS PROPERTY

NR date listed: _____

ILS survey date: _____

RLS survey date: 6/29/2023

Gen File date: _____

106 Project(s)



Looking North, from 46th St.

Oregon Historic Site Form

6505 51st St
Redmond, Deschutes County

LOCATION AND PROPERTY NAME

address: 6505 SW 51st St ☐ apprx. addr

Redmond ☐ vcnty Deschutes County

Optional Information

assoc addresses:
(former addresses, intersections, etc.)

location descr:
(remote sites)

historic name:

current/
other names:

block nbr: _____ lot nbr: _____ tax lot nbr: _____

township: _____ range: _____ section: _____ 1/4: _____

zip: _____

PROPERTY CHARACTERISTICS

resource type: Building height (# stories): _____

elig. evaluation: not eligible/non-contributing

primary constr date: 1950 (c.) ☐ secondary date: _____ (c.) ☐
(optional--use for major addns)

primary orig use: Sinle Dwelling

secondary orig use: _____

primary style: _____

secondary style: _____

primary siding: _____

secondary siding: _____

plan type: _____

total # eligible resources: _____ total # ineligible resources: _____

NR status: _____

NR date listed: _____ (indiv listed only; see
Grouping for hist dist)

orig use comments: _____

prim style comments: _____

sec style comments: _____

siding comments: _____

architect: _____

builder: _____

comments/notes: **DIAL reports a 1200sf residence built 1950 with two farm outbuildings. Building hidden in trees with minimal visibility from ROW but no obvious significance based on aerial views.**

GROUPINGS / ASSOCIATIONS

survey project name or other grouping name COID Pilot Butte Canal APE Resources Other (enter description)

farmstead/cluster name: _____

external site #: _____

(ID# used in city/agency database)

SHPO INFO FOR THIS PROPERTY

NR date listed: _____

ILS survey date: _____

RLS survey date: 6/29/2023

Gen File date: _____

106 Project(s)



Looking North, from 51st

Oregon Historic Site Form

7785 61st St
Redmond, Deschutes County

LOCATION AND PROPERTY NAME

address: 7785 SW 61st St ☐ apprx. addr

Redmond ☐ vcnty Deschutes County

Optional Information

assoc addresses:
(former addresses, intersections, etc.)

location descr:
(remote sites)

historic name:

current/
other names:

block nbr: _____ lot nbr: _____ tax lot nbr: _____

township: _____ range: _____ section: _____ 1/4: _____

zip: _____

PROPERTY CHARACTERISTICS

resource type: Building height (# stories): _____

elig. evaluation: not eligible/non-contributing

primary constr date: 1951 (c.) ☐ secondary date: _____ (c.) ☐
(optional--use for major addns)

primary orig use: Sinle Dwelling

secondary orig use: _____

primary style: _____

secondary style: _____

primary siding: _____

secondary siding: _____

plan type: _____

total # eligible resources: _____ total # ineligible resources: _____

NR status: _____

NR date listed: _____ (indiv listed only; see
Grouping for hist dist)

orig use comments: _____

prim style comments: _____

sec style comments: _____

siding comments: _____

architect: _____

builder: _____

comments/notes: **DIAL reports 1078sf residence built in 1951 with one farm outbuilding built 1970. Large barn located to south (n.d.). Common design, somewhat modified, without any obvious design or associative significance.**

GROUPINGS / ASSOCIATIONS

survey project name or other grouping name: COID Pilot Butte Canal APE Resources Other (enter description) _____

farmstead/cluster name: _____

external site #: _____

(ID# used in city/agency database)

SHPO INFO FOR THIS PROPERTY

NR date listed: _____

ILS survey date: _____

RLS survey date: 6/29/2023

Gen File date: _____

106 Project(s)



View to the NE, from 61st St

Oregon Historic Site Form

65522 73rd St
Bend, Deschutes County

LOCATION AND PROPERTY NAME

address: 65522 73rd St ☐ apprx. addr

Bend ☐ vcnty Deschutes County

Optional Information

assoc addresses:
(former addresses, intersections, etc.)

location descr:
(remote sites)

historic name:

current/
other names:

block nbr: _____ lot nbr: _____ tax lot nbr: _____

township: _____ range: _____ section: _____ 1/4: _____

zip: _____

PROPERTY CHARACTERISTICS

resource type: Building height (# stories): _____

elig. evaluation: not eligible/non-contributing

primary constr date: 1970 (c.) ☐ secondary date: _____ (c.) ☐
(optional--use for major addns)

primary orig use: Sinle Dwelling

secondary orig use: _____

primary style: _____

secondary style: _____

primary siding: _____

secondary siding: _____

plan type: _____

total # eligible resources: _____ total # ineligible resources: _____

NR status: _____

NR date listed: _____ (indiv listed only; see
Grouping for hist dist)

orig use comments: _____

prim style comments: _____

sec style comments: _____

siding comments: _____

architect: _____

builder: _____

comments/notes: **DIAL reports 2176sf residence built 1970 with three farm outbuildings. Common design with no design distinction.**

GROUPINGS / ASSOCIATIONS

survey project name or other grouping name COID Pilot Butte Canal APE Resources Other (enter description)

farmstead/cluster name: _____

external site #: _____

(ID# used in city/agency database)

SHPO INFO FOR THIS PROPERTY

NR date listed: _____

ILS survey date: _____

RLS survey date: 6/29/2023

Gen File date: _____

106 Project(s)



Looking E, from 73rd St.

Oregon Historic Site Form

65550 73rd St
Bend, Deschutes County

LOCATION AND PROPERTY NAME

address: 65550 73rd St ☐ apprx. addr

Bend ☐ vcnty Deschutes County

Optional Information

assoc addresses:
(former addresses, intersections, etc.)

location descr:
(remote sites)

historic name:

current/
other names:

block nbr: _____ lot nbr: _____ tax lot nbr: _____

township: _____ range: _____ section: _____ 1/4: _____

zip: _____

PROPERTY CHARACTERISTICS

resource type: Building height (# stories): _____

elig. evaluation: not eligible/non-contributing

primary constr date: 1950 (c.) ☐ secondary date: _____ (c.) ☐
(optional--use for major addns)

primary orig use: Sinle Dwelling

secondary orig use: _____

primary style: _____

secondary style: _____

primary siding: _____

secondary siding: _____

plan type: _____

total # eligible resources: _____ total # ineligible resources: _____

NR status: _____

NR date listed: _____ (indiv listed only; see
Grouping for hist dist)

orig use comments: _____

prim style comments: _____

sec style comments: _____

siding comments: _____

architect: _____

builder: _____

comments/notes: **DIAL reports 1976 mobile home with five farm outbuildings dated 1950-1970. Common design with no design distinction.**

GROUPINGS / ASSOCIATIONS

survey project name or other grouping name COID Pilot Butte Canal APE Resources Other (enter description)

farmstead/cluster name: _____

external site #: _____

(ID# used in city/agency database)

SHPO INFO FOR THIS PROPERTY

NR date listed: _____

ILS survey date: _____

RLS survey date: 6/29/2023

Gen File date: _____

106 Project(s)



Looking East from 73rd

Oregon Historic Site Form

65564 73rd St
Bend, Deschutes County

LOCATION AND PROPERTY NAME

address: 65564 73rd St ☐ apprx. addrBend ☐ vcnty Deschutes County

Optional Information

assoc addresses:
(former addresses, intersections, etc.)location descr:
(remote sites)

historic name:

current/
other names:

block nbr: _____ lot nbr: _____ tax lot nbr: _____

township: _____ range: _____ section: _____ 1/4: _____

zip: _____

PROPERTY CHARACTERISTICS

resource type: Building height (# stories): _____elig. evaluation: not eligible/non-contributingprimary constr date: 1950 (c.) ☐ secondary date: _____ (c.) ☐
(optional--use for major addns)primary orig use: Aaric. Outbuilding

secondary orig use: _____

primary style: _____

secondary style: _____

primary siding: _____

secondary siding: _____

plan type: _____

total # eligible resources: _____ total # ineligible resources: _____

NR status: _____

NR date listed: _____ (indiv listed only; see
Grouping for hist dist)

orig use comments: _____

prim style comments: _____

sec style comments: _____

siding comments: _____

architect: _____

builder: _____

comments/notes: **DIAL reports 1680sf residence built in 2021 with two farm outbuildings built in 1950. No obvious significance in design or association.**

GROUPINGS / ASSOCIATIONS

survey project name or other grouping name COID Pilot Butte Canal APE Resources Other (enter description)

farmstead/cluster name: _____

external site #: _____

(ID# used in city/agency database)

SHPO INFO FOR THIS PROPERTY

NR date listed: _____

ILS survey date: _____

RLS survey date: 6/29/2023

Gen File date: _____

106 Project(s)



Looking NE from 73rd St

Oregon Historic Site Form

65680 73rd St
Bend, Deschutes County

LOCATION AND PROPERTY NAME

address: 65680 73rd St ☐ apprx. addr

Bend ☐ vcnty Deschutes County

Optional Information

assoc addresses:
(former addresses, intersections, etc.)

location descr:
(remote sites)

historic name:

current/
other names:

block nbr: _____ lot nbr: _____ tax lot nbr: _____

township: _____ range: _____ section: _____ 1/4: _____

zip: _____

PROPERTY CHARACTERISTICS

resource type: Building height (# stories): _____

elig. evaluation: not eligible/non-contributing

primary constr date: 1950 (c.) ☐ secondary date: _____ (c.) ☐
(optional--use for major addns)

primary orig use: Aaric. Outbuilding

secondary orig use: _____

primary style: _____

secondary style: _____

primary siding: _____

secondary siding: _____

plan type: _____

total # eligible resources: _____ total # ineligible resources: _____

NR status: _____

NR date listed: _____ (indiv listed only; see
Grouping for hist dist)

orig use comments: _____

prim style comments: _____

sec style comments: _____

siding comments: _____

architect: _____

builder: _____

comments/notes: **DIAL reports this as a 2.66 acre vacant lot with a 424sf "farm building" constructed in 1940. Common design with no design distinction.**

GROUPINGS / ASSOCIATIONS

survey project name or other grouping name: COID Pilot Butte Canal APE Resources Other (enter description)

farmstead/cluster name: _____

external site #: _____

(ID# used in city/agency database)

SHPO INFO FOR THIS PROPERTY

NR date listed: _____

ILS survey date: _____

RLS survey date: 6/29/2023

Gen File date: _____

106 Project(s)



View from 65660 73rd St.

Oregon Historic Site Form

65686 73rd St
Bend, Deschutes County

LOCATION AND PROPERTY NAME

address: 65686 73rd St ☐ apprx. addr

Bend ☐ vcnty Deschutes County

Optional Information

assoc addresses:
(former addresses, intersections, etc.)

location descr:
(remote sites)

historic name:

current/
other names:

block nbr: _____ lot nbr: _____ tax lot nbr: _____

township: _____ range: _____ section: _____ 1/4: _____

zip: _____

PROPERTY CHARACTERISTICS

resource type: Building height (# stories): _____

elig. evaluation: not eligible/non-contributing

primary constr date: 1950 (c.) ☐ secondary date: _____ (c.) ☐
(optional--use for major addns)

primary orig use: Aaric. Outbuilding

secondary orig use: _____

primary style: _____

secondary style: _____

primary siding: _____

secondary siding: _____

plan type: _____

total # eligible resources: _____ total # ineligible resources: _____

NR status: _____

NR date listed: _____ (indiv listed only; see
Grouping for hist dist)

orig use comments: _____

prim style comments: _____

sec style comments: _____

siding comments: _____

architect: _____

builder: _____

comments/notes: **DIAL reports 132sf farm shed built in 1950. Limited visibility from public ROW. No obvious design or associative significance.**

GROUPINGS / ASSOCIATIONS

survey project name or other grouping name COID Pilot Butte Canal APE Resources Other (enter description)

farmstead/cluster name: _____

external site #: _____

(ID# used in city/agency database)

SHPO INFO FOR THIS PROPERTY

NR date listed: _____

ILS survey date: _____

RLS survey date: 6/29/2023

Gen File date: _____

106 Project(s)



View from 73rd St.

Oregon Historic Site Form

63299 Anika Lane
Bend, Deschutes County

LOCATION AND PROPERTY NAME

address: 63299 Anika Lane ☐ apprx. addr

Bend ☐ vcnty Deschutes County

Optional Information

assoc addresses:
(former addresses, intersections, etc.)

location descr:
(remote sites)

historic name:

current/
other names:

block nbr: _____ lot nbr: _____ tax lot nbr: _____

township: _____ range: _____ section: _____ 1/4: _____

zip: _____

PROPERTY CHARACTERISTICS

resource type: Building height (# stories): _____

elig. evaluation: not eligible/non-contributing

primary constr date: 1930 (c.) ☐ secondary date: _____ (c.) ☐
(optional--use for major addns)

primary orig use: Sinle Dwelling

secondary orig use: _____

primary style: _____

secondary style: _____

primary siding: _____

secondary siding: _____

plan type: _____

total # eligible resources: _____ total # ineligible resources: _____

NR status: _____

NR date listed: _____ (indiv listed only; see
Grouping for hist dist)

orig use comments: _____

prim style comments: _____

sec style comments: _____

siding comments: _____

architect: _____

builder: _____

comments/notes: **DIAL reports a 1543sf residence built in 1930, modified with upper story and other changes that reduce integrity.**

GROUPINGS / ASSOCIATIONS

survey project name or other grouping name: COID Pilot Butte Canal APE Resources Other (enter description)

farmstead/cluster name: _____

external site #: _____

(ID# used in city/agency database)

SHPO INFO FOR THIS PROPERTY

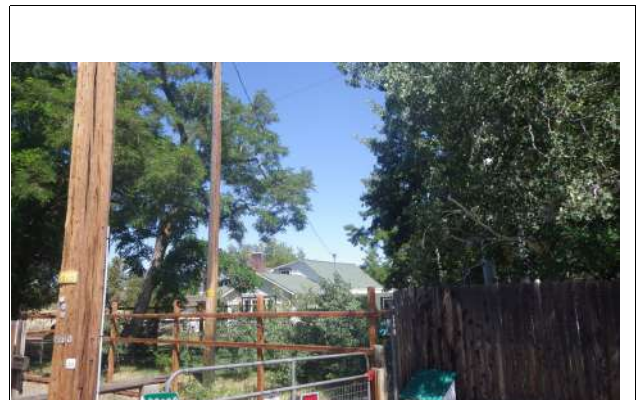
NR date listed: _____

ILS survey date: _____

RLS survey date: 6/30/2023

Gen File date: _____

106 Project(s)



Looking SW from Anika Lane

Oregon Historic Site Form

62820 Boyd Acres Rd
Bend, Deschutes County

LOCATION AND PROPERTY NAME

address: 62820 Boyd Acres Rd ☐ apprx. addr

Bend ☐ vcnty Deschutes County

Optional Information

assoc addresses:
(former addresses, intersections, etc.)

location descr:
(remote sites)

historic name:

current/
other names:

block nbr: _____ lot nbr: _____ tax lot nbr: _____

township: _____ range: _____ section: _____ 1/4: _____

zip: _____

PROPERTY CHARACTERISTICS

resource type: Building height (# stories): _____

elig. evaluation: not eligible/non-contributing

primary constr date: 1968 (c.) ☐ secondary date: _____ (c.) ☐
(optional--use for major addns)

primary orig use: Sinale Dwelling

secondary orig use: _____

primary style: _____

secondary style: _____

primary siding: _____

secondary siding: _____

plan type: _____

total # eligible resources: _____ total # ineligible resources: _____

NR status: _____

NR date listed: _____ (indiv listed only; see
Grouping for hist dist)

orig use comments: _____

prim style comments: _____

sec style comments: _____

siding comments: _____

architect: _____

builder: _____

comments/notes: **DIAL reports 1416sf residence built in 1968. No obvious design or associative significance.**

GROUPINGS / ASSOCIATIONS

survey project name or other grouping name COID Pilot Butte Canal APE Resources Other (enter description)

farmstead/cluster name: _____

external site #: _____
(ID# used in city/agency database)

SHPO INFO FOR THIS PROPERTY

NR date listed: _____

ILS survey date: _____

RLS survey date: 6/30/2023

Gen File date: _____

106 Project(s)



View to the North, from Boyd Acres Rd

Oregon Historic Site Form

62828 Boyd Acres Rd
Bend, Deschutes County

LOCATION AND PROPERTY NAME

address: 62828 Boyd Acres Rd ☐ apprx. addr

Bend ☐ vcnty Deschutes County

Optional Information

assoc addresses:
(former addresses, intersections, etc.)

location descr:
(remote sites)

historic name:

current/
other names:

block nbr: _____ lot nbr: _____ tax lot nbr: _____

township: _____ range: _____ section: _____ 1/4: _____

zip: _____

PROPERTY CHARACTERISTICS

resource type: Building height (# stories): _____

elig. evaluation: not eligible/non-contributing

primary constr date: 1930 (c.) ☐ secondary date: _____ (c.) ☐
(optional--use for major addns)

primary orig use: Sinle Dwelling

secondary orig use: _____

primary style: _____

secondary style: _____

primary siding: _____

secondary siding: _____

plan type: _____

total # eligible resources: _____ total # ineligible resources: _____

NR status: _____

NR date listed: _____ (indiv listed only; see
Grouping for hist dist)

orig use comments: _____

prim style comments: _____

sec style comments: _____

siding comments: _____

architect: _____

builder: _____

comments/notes: **DIAL reports 612sf residence built 1930 with three farm outbuildings built 1930-1940. Site visit failed to locate address, with possible demolition.**

GROUPINGS / ASSOCIATIONS

survey project name or other grouping name: COID Pilot Butte Canal APE Resources Other (enter description)

farmstead/cluster name: _____

external site #: _____

(ID# used in city/agency database)

SHPO INFO FOR THIS PROPERTY

NR date listed: _____

ILS survey date: _____

RLS survey date: 6/30/2023

Gen File date: _____

106 Project(s)



Looking N, from Boyd Acres Rd

Oregon Historic Site Form

63208 Brightwater Dr
Bend, Deschutes County

LOCATION AND PROPERTY NAME

address: 63208 Brightwater Dr ☐ apprx. addr

Bend ☐ vcnty Deschutes County

Optional Information

assoc addresses:
(former addresses, intersections, etc.)

location descr:
(remote sites)

historic name:

current/
other names:

block nbr: _____ lot nbr: _____ tax lot nbr: _____

township: _____ range: _____ section: _____ 1/4: _____

zip: _____

PROPERTY CHARACTERISTICS

resource type: Building height (# stories): _____

elig. evaluation: not eligible/non-contributing

primary constr date: 1960 (c.) ☐ secondary date: _____ (c.) ☐
(optional--use for major addns)

primary orig use: Aaric. Outbuilding

secondary orig use: _____

primary style: _____

secondary style: _____

primary siding: _____

secondary siding: _____

plan type: _____

total # eligible resources: _____ total # ineligible resources: _____

NR status: _____

NR date listed: _____ (indiv listed only; see
Grouping for hist dist)

orig use comments: _____

prim style comments: _____

sec style comments: _____

siding comments: _____

architect: _____

builder: _____

comments/notes: **DIAL reports 780 sf residence built 2005 with one farm outbuilding built in 1960. Common design, no obvious design or associative significance.**

GROUPINGS / ASSOCIATIONS

survey project name or other grouping name: COID Pilot Butte Canal APE Resources Other (enter description)

farmstead/cluster name: _____

external site #: _____

(ID# used in city/agency database)

SHPO INFO FOR THIS PROPERTY

NR date listed: _____

ILS survey date: _____

RLS survey date: 6/30/2023

Gen File date: _____

106 Project(s)



Looking North from end of Brightwater Dr.

Oregon Historic Site Form

1228 Canal Blvd
Redmond, Deschutes County

LOCATION AND PROPERTY NAME

address: 1228 NW Canal Blvd ☐ apprx. addr

Redmond ☐ vcnty Deschutes County

Optional Information

assoc addresses:
(former addresses, intersections, etc.)

location descr:
(remote sites)

historic name:

current/
other names:

block nbr: _____ lot nbr: _____ tax lot nbr: _____

township: _____ range: _____ section: _____ 1/4: _____

zip: _____

PROPERTY CHARACTERISTICS

resource type: Building height (# stories): _____

elig. evaluation: not eligible/non-contributing

primary constr date: 1971 (c.) ☐ secondary date: _____ (c.) ☐
(optional--use for major addns)

primary orig use: Sinle Dwelling

secondary orig use: _____

primary style: _____

secondary style: _____

primary siding: _____

secondary siding: _____

plan type: _____

total # eligible resources: _____ total # ineligible resources: _____

NR status: _____

NR date listed: _____ (indiv listed only; see
Grouping for hist dist)

orig use comments: _____

prim style comments: _____

sec style comments: _____

siding comments: _____

architect: _____

builder: _____

comments/notes: **DIAL reports residence built 1971, with one farm outbuilding built 1971. Site visit documents medical office. Common design, no obvious design or associative significance.**

GROUPINGS / ASSOCIATIONS

survey project name or other grouping name COID Pilot Butte Canal APE Resources Other (enter description)

farmstead/cluster name: _____

external site #: _____

(ID# used in city/agency database)

SHPO INFO FOR THIS PROPERTY

NR date listed: _____

ILS survey date: _____

RLS survey date: 6/28/2023

Gen File date: _____

106 Project(s)



Looking E, across canal, from Canal St.

Oregon Historic Site Form

1996 Canal Blvd
Redmond, Deschutes County

LOCATION AND PROPERTY NAME

address: 1996 SW Canal Blvd ☐ apprx. addr

Redmond ☐ vcnty Deschutes County

Optional Information

assoc addresses:
(former addresses, intersections, etc.)

location descr:
(remote sites)

historic name:

current/
other names:

block nbr: _____ lot nbr: _____ tax lot nbr: _____

township: _____ range: _____ section: _____ 1/4: _____

zip: _____

PROPERTY CHARACTERISTICS

resource type: Building height (# stories): _____

elig. evaluation: not eligible/non-contributing

primary constr date: 1950 (c.) ☐ secondary date: _____ (c.) ☐
(optional--use for major addns)

primary orig use: Warehouse

secondary orig use: _____

primary style: _____

secondary style: _____

primary siding: _____

secondary siding: _____

plan type: _____

total # eligible resources: _____ total # ineligible resources: _____

NR status: _____

NR date listed: _____ (indiv listed only; see
Grouping for hist dist)

orig use comments: _____

prim style comments: _____

sec style comments: _____

siding comments: _____

architect: _____

builder: _____

comments/notes: **DIAL reports one residence built 1950 and a warehouse. Site visit shows residence as office, with wood frame warehouse (c1950) and second newer warehouse building. Narrow site extends south to canal.**

GROUPINGS / ASSOCIATIONS

survey project name or other grouping name: COID Pilot Butte Canal APE Resources Other (enter description)

farmstead/cluster name: _____

external site #: _____

(ID# used in city/agency database)

SHPO INFO FOR THIS PROPERTY

NR date listed: _____

ILS survey date: _____

RLS survey date: 6/28/2023

Gen File date: _____

106 Project(s)



Showing house/office, looking SE

Oregon Historic Site Form

Early house and outbuildings
2036 Canal Blvd
Redmond, Deschutes County

LOCATION AND PROPERTY NAME

address: 2036 SW Canal Blvd ☐ apprx. addr

historic name: Early house and outbuildings

Redmond ☐ vcnty Deschutes County

current/
other names: _____

Optional Information

assoc addresses:
(former addresses, intersections, etc.)

location descr:
(remote sites)

block nbr: _____ lot nbr: _____ tax lot nbr: _____

township: _____ range: _____ section: _____ 1/4: _____

zip: _____

PROPERTY CHARACTERISTICS

resource type: Building height (# stories): _____

total # eligible resources: _____ total # ineligible resources: _____

elig. evaluation: eligible/contributing

NR status: _____

primary constr date: 1920 (c.) ☐ secondary date: _____ (c.) ☐
(optional--use for major addns)

NR date listed: _____ (indiv listed only; see
Grouping for hist dist)

primary orig use: Sinle Dwelling

orig use comments: _____

secondary orig use: _____

prim style comments: _____

primary style: _____

sec style comments: _____

secondary style: _____

primary siding: _____

siding comments: _____

secondary siding: _____

plan type: _____

architect: _____

builder: _____

comments/notes: **DIAL reports 1386sf residence built 1920 with five farm outbuildings dated 1930-1940 on 14 acre lot. Site visit documented building is boarded up and vacant.**

GROUPINGS / ASSOCIATIONS

survey project name or other grouping name: COID Pilot Butte Canal APE Resources Other (enter description)

farmstead/cluster name: _____

external site #: _____

(ID# used in city/agency database)

SHPO INFO FOR THIS PROPERTY

NR date listed: _____

ILS survey date: _____

RLS survey date: 6/28/2023

Gen File date: _____

106 Project(s)



Looking E, across PBC, from Canal Blvd

Oregon Historic Site Form

2190 Canal Blvd
Redmond, Deschutes County

LOCATION AND PROPERTY NAME

address: 2190 NE Canal Blvd ☐ apprx. addr

Redmond ☐ vcnty Deschutes County

Optional Information

assoc addresses:
(former addresses, intersections, etc.)

location descr:
(remote sites)

historic name:

current/
other names:

block nbr: _____ lot nbr: _____ tax lot nbr: _____

township: _____ range: _____ section: _____ 1/4: _____

zip: _____

PROPERTY CHARACTERISTICS

resource type: Building height (# stories): _____

elig. evaluation: not eligible/non-contributing

primary constr date: 1929 (c.) ☐ secondary date: _____ (c.) ☐
(optional--use for major addns)

primary orig use: Sinle Dwelling

secondary orig use: _____

primary style: _____

secondary style: _____

primary siding: _____

secondary siding: _____

plan type: _____

total # eligible resources: _____ total # ineligible resources: _____

NR status: _____

NR date listed: _____ (indiv listed only; see
Grouping for hist dist)

orig use comments: _____

prim style comments: _____

sec style comments: _____

siding comments: _____

architect: _____

builder: _____

comments/notes: **DIAL reports 1418sf residence built 1929 with one farm outbuilding built 1910. Site visit documents house is vacant and boarded up. House is either mis-dated or much altered.**

GROUPINGS / ASSOCIATIONS

survey project name or other grouping name: COID Pilot Butte Canal APE Resources Other (enter description)

farmstead/cluster name: _____

external site #: _____

(ID# used in city/agency database)

SHPO INFO FOR THIS PROPERTY

NR date listed: _____

ILS survey date: _____

RLS survey date: 6/28/2023

Gen File date: _____

106 Project(s)



Looking East, across PBC, from Canal Blvd

Oregon Historic Site Form

2232 Canal St
Redmond, Deschutes County

LOCATION AND PROPERTY NAME

address: 2232 NW Canal St ☐ apprx. addr

Redmond ☐ vcnty Deschutes County

Optional Information

assoc addresses:
(former addresses, intersections, etc.)

location descr:
(remote sites)

historic name:

current/
other names:

block nbr: _____ lot nbr: _____ tax lot nbr: _____

township: _____ range: _____ section: _____ 1/4: _____

zip: _____

PROPERTY CHARACTERISTICS

resource type: Building height (# stories): _____

elig. evaluation: not eligible/non-contributing

primary constr date: 1944 (c.) ☐ secondary date: _____ (c.) ☐
(optional--use for major addns)

primary orig use: Sinle Dwelling

secondary orig use: _____

primary style: _____

secondary style: _____

primary siding: _____

secondary siding: _____

plan type: _____

total # eligible resources: _____ total # ineligible resources: _____

NR status: _____

NR date listed: _____ (indiv listed only; see
Grouping for hist dist)

orig use comments: _____

prim style comments: _____

sec style comments: _____

siding comments: _____

architect: _____

builder: _____

comments/notes: **DIAL reports 1004 sf. Residence built 1944 with one farm outbuilding built 1920. Boarded up and vacant, June 2023.**

GROUPINGS / ASSOCIATIONS

survey project name or other grouping name: COID Pilot Butte Canal APE Resources Other (enter description)

farmstead/cluster name: _____

external site #: _____

(ID# used in city/agency database)

SHPO INFO FOR THIS PROPERTY

NR date listed: _____

ILS survey date: _____

RLS survey date: 6/28/2023

Gen File date: _____

106 Project(s)



Looking NE across PBC, from Canal Blvd

Oregon Historic Site Form

21070 Country Squire Rd
Bend, Deschutes County

LOCATION AND PROPERTY NAME

address: 21070 Country Squire Rd ☐ apprx. addr

Bend ☐ vcnty Deschutes County

Optional Information

assoc addresses:
(former addresses, intersections, etc.)

location descr:
(remote sites)

historic name:

current/
other names:

block nbr: _____ lot nbr: _____ tax lot nbr: _____

township: _____ range: _____ section: _____ 1/4: _____

zip: _____

PROPERTY CHARACTERISTICS

resource type: Building height (# stories): _____

elig. evaluation: not eligible/non-contributing

primary constr date: 1976 (c.) ☐ secondary date: _____ (c.) ☐
(optional--use for major addns)

primary orig use: Sinle Dwelling

secondary orig use: _____

primary style: _____

secondary style: _____

primary siding: _____

secondary siding: _____

plan type: _____

total # eligible resources: _____ total # ineligible resources: _____

NR status: _____

NR date listed: _____ (indiv listed only; see
Grouping for hist dist)

orig use comments: _____

prim style comments: _____

sec style comments: _____

siding comments: _____

architect: _____

builder: _____

comments/notes: **DIAL reports 1732 sf residence built 1976, with one farm outbuilding built 1960. Common design, no obvious design or associative significance.**

GROUPINGS / ASSOCIATIONS

survey project name or other grouping name: COID Pilot Butte Canal APE Resources Other (enter description)

farmstead/cluster name: _____

external site #: _____

(ID# used in city/agency database)

SHPO INFO FOR THIS PROPERTY

NR date listed: _____

ILS survey date: _____

RLS survey date: 6/30/2023

Gen File date: _____

106 Project(s)



Looking N from ROW (Google Image)

Oregon Historic Site Form

Early barn built of stacked stone
64975 Deschutes Pleasant Ridge Rd
Bend, Deschutes County

LOCATION AND PROPERTY NAME

address: **64975 Deschutes Pleasant Ridge Rd** ☐ apprx. addr

historic name: **Early barn built of stacked stone**

Bend ☐ vcnty **Deschutes County**

current/
other names:

Optional Information

assoc addresses:
(former addresses, intersections, etc.)

location descr:
(remote sites)

block nbr: _____ lot nbr: _____ tax lot nbr: _____

township: _____ range: _____ section: _____ 1/4: _____

zip: _____

PROPERTY CHARACTERISTICS

resource type: **Building** height (# stories): _____

total # eligible resources: _____ total # ineligible resources: _____

elig. evaluation: **eligible/contributing**

primary constr date: **1920** (c.) ☐ secondary date: _____ (c.) ☐
(optional--use for major addns)

NR status: _____

NR date listed: _____ (indiv listed only; see
Grouping for hist dist)

primary orig use: **Sinale Dwelling**

orig use comments: _____

secondary orig use: _____

primary style: _____

prim style comments: _____

secondary style: _____

sec style comments: _____

primary siding: _____

siding comments: _____

secondary siding: _____

plan type: _____

architect: _____

builder: _____

comments/notes: **DIAL reports 1787sf residence built 1920 with multiple farm buildings built 1940-1950. Site visit documents lava stone barn and other resources, all seemingly abandoned or boarded up.**

GROUPINGS / ASSOCIATIONS

survey project name or other grouping name: COID Pilot Butte Canal APE Resources

Other (enter description) _____

farmstead/cluster name: _____

external site #: _____

(ID# used in city/agency database)

SHPO INFO FOR THIS PROPERTY

NR date listed: _____

ILS survey date: _____

RLS survey date: **6/29/2023**

Gen File date: _____

106 Project(s)



Looking West, from roadway

Oregon Historic Site Form

65085 Deschutes Pleasant Ridge Rd
Bend, Deschutes County

LOCATION AND PROPERTY NAME

address: 65085 Deschutes Pleasant Ridge Rd ☐ apprx. addr

Bend ☐ vcnty Deschutes County

Optional Information

assoc addresses:
(former addresses, intersections, etc.)

location descr:
(remote sites)

historic name:

current/
other names:

block nbr: _____ lot nbr: _____ tax lot nbr: _____

township: _____ range: _____ section: _____ 1/4: _____

zip: _____

PROPERTY CHARACTERISTICS

resource type: building height (# stories): _____

elig. evaluation: not eligible/non-contributing

primary constr date: 1949 (c.) ☐ secondary date: _____ (c.) ☐
(optional--use for major addns)

primary orig use: Sinle Dwelling

secondary orig use: _____

primary style: _____

secondary style: _____

primary siding: _____

secondary siding: _____

plan type: _____

total # eligible resources: _____ total # ineligible resources: _____

NR status: _____

NR date listed: _____ (indiv listed only; see
Grouping for hist dist)

orig use comments: _____

prim style comments: _____

sec style comments: _____

siding comments: _____

architect: _____

builder: _____

comments/notes: **DIAL reports 604sf residence built 1949 with one farm outbuilding, built 1949. Relationship to 64975 Pleasant Ridge unclear, appears to be 2nd dwelling on same lot.**

GROUPINGS / ASSOCIATIONS

survey project name or other grouping name: COID Pilot Butte Canal APE Resources Other (enter description)

farmstead/cluster name: _____

external site #: _____

(ID# used in city/agency database)

SHPO INFO FOR THIS PROPERTY

NR date listed: _____

ILS survey date: _____

RLS survey date: 6/23/2023

Gen File date: _____

106 Project(s)



Oregon Historic Site Form

4002 Elkhorn Ave
Redmond, Deschutes County

LOCATION AND PROPERTY NAME

address: 4002 SW Elkhorn Ave ☐ apprx. addr

Redmond ☐ vcnty Deschutes County

Optional Information

assoc addresses:
(former addresses, intersections, etc.)

location descr:
(remote sites)

historic name:

current/
other names:

block nbr: _____ lot nbr: _____ tax lot nbr: _____

township: _____ range: _____ section: _____ 1/4: _____

zip: _____

PROPERTY CHARACTERISTICS

resource type: Building height (# stories): _____

elig. evaluation: demolished

primary constr date: _____ (c.) ☐ secondary date: _____ (c.) ☐
(optional--use for major addns)

primary orig use: Sinle Dwelling

secondary orig use: _____

primary style: _____

secondary style: _____

primary siding: _____

secondary siding: _____

plan type: _____

total # eligible resources: _____ total # ineligible resources: _____

NR status: _____

NR date listed: _____ (indiv listed only; see
Grouping for hist dist)

orig use comments: _____

prim style comments: _____

sec style comments: _____

siding comments: _____

architect: _____

builder: _____

comments/notes: **DIAL reports 1176sf residence built 1916 at this address. Site visit documents entirely new, multi-family attached development.**

GROUPINGS / ASSOCIATIONS

survey project name or other grouping name: COID Pilot Butte Canal APE Resources Other (enter description)

farmstead/cluster name: _____

external site #: _____

(ID# used in city/agency database)

SHPO INFO FOR THIS PROPERTY

NR date listed: _____

ILS survey date: _____

RLS survey date: 6/28/2023

Gen File date: _____

106 Project(s)



General View of site, looking west from Elkhorn

Oregon Historic Site Form

21378 Gift Rd
Bend, Deschutes County

LOCATION AND PROPERTY NAME

address: 21378 Gift Rd ☐ apprx. addr

Bend ☐ vcnty Deschutes County

Optional Information

assoc addresses:
(former addresses, intersections, etc.)

location descr:
(remote sites)

historic name:

current/
other names:

block nbr: _____ lot nbr: _____ tax lot nbr: _____

township: _____ range: _____ section: _____ 1/4: _____

zip: _____

PROPERTY CHARACTERISTICS

resource type: building height (# stories): _____

elig. evaluation: not eligible/non-contributing

primary constr date: 1970 (c.) ☐ secondary date: _____ (c.) ☐
(optional--use for major addns)

primary orig use: Sinale Dwelling

secondary orig use: _____

primary style: _____

secondary style: _____

primary siding: _____

secondary siding: _____

plan type: _____

total # eligible resources: _____ total # ineligible resources: _____

NR status: _____

NR date listed: _____ (indiv listed only; see
Grouping for hist dist)

orig use comments: _____

prim style comments: _____

sec style comments: _____

siding comments: _____

architect: _____

builder: _____

comments/notes: **DIAL repored 2400sf residence built 1970 with three farm outbuildings built 1992-2000. Common design, no obvious design or associative significance.**

GROUPINGS / ASSOCIATIONS

survey project name or other grouping name: COID Pilot Butte Canal APE Resources Other (enter description)

farmstead/cluster name: _____

external site #: _____

(ID# used in city/agency database)

SHPO INFO FOR THIS PROPERTY

NR date listed: _____

ILS survey date: _____

RLS survey date: 6/29/2023

Gen File date: _____

106 Project(s)



Looking NW from Gift Road

Oregon Historic Site Form

21381 Gift Rd
Bend, Deschutes County

LOCATION AND PROPERTY NAME

address: 21381 Gift Rd ☐ apprx. addr

Bend ☐ vcnty Deschutes County

Optional Information

assoc addresses:
(former addresses, intersections, etc.)

location descr:
(remote sites)

historic name:

current/
other names:

block nbr: _____ lot nbr: _____ tax lot nbr: _____

township: _____ range: _____ section: _____ 1/4: _____

zip: _____

PROPERTY CHARACTERISTICS

resource type: Building height (# stories): _____

elig. evaluation: not eligible/non-contributing

primary constr date: 1950 (c.) ☐ secondary date: _____ (c.) ☐
(optional--use for major addns)

primary orig use: Single Dwelling

secondary orig use: _____

primary style: _____

secondary style: _____

primary siding: _____

secondary siding: _____

plan type: _____

total # eligible resources: _____ total # ineligible resources: _____

NR status: _____

NR date listed: _____ (indiv listed only; see
Grouping for hist dist)

orig use comments: _____

prim style comments: _____

sec style comments: _____

siding comments: _____

architect: _____

builder: _____

comments/notes: **DIAL reports 442sf mobile home built 1977 with three outbuildings, built 1950. Common design, no obvious design or associative significance.**

GROUPINGS / ASSOCIATIONS

survey project name or other grouping name: COID Pilot Butte Canal APE Resources Other (enter description)

farmstead/cluster name: _____

external site #: _____

(ID# used in city/agency database)

SHPO INFO FOR THIS PROPERTY

NR date listed: _____

ILS survey date: _____

RLS survey date: 6/29/2023

Gen File date: _____

106 Project(s)



Looking SW from Gift Road

Oregon Historic Site Form

1835 S Hwy 97 S
Redmond, Deschutes County

LOCATION AND PROPERTY NAME

address: 1835 Hwy 97 S ☐ apprx. addr

Redmond ☐ vcnty Deschutes County

Optional Information

assoc addresses:
(former addresses, intersections, etc.)

location descr:
(remote sites)

historic name:

current/
other names:

block nbr: _____ lot nbr: _____ tax lot nbr: _____

township: _____ range: _____ section: _____ 1/4: _____

zip: _____

PROPERTY CHARACTERISTICS

resource type: Building height (# stories): _____

elig. evaluation: not eligible/non-contributing

primary constr date: 1974 (c.) ☐ secondary date: _____ (c.) ☐
(optional--use for major addns)

primary orig use: Specialty Store

secondary orig use: _____

primary style: _____

secondary style: _____

primary siding: _____

secondary siding: _____

plan type: _____

total # eligible resources: _____ total # ineligible resources: _____

NR status: _____

NR date listed: _____ (indiv listed only; see
Grouping for hist dist)

orig use comments: _____

prim style comments: _____

sec style comments: _____

siding comments: _____

architect: _____

builder: _____

comments/notes: **DIAL reports 17340sf building with automotive outbuilding. Site visit documents Redmond Spa and Stove. Common design, no obvious design or associative significance.**

GROUPINGS / ASSOCIATIONS

survey project name or other grouping name: COID Pilot Butte Canal APE Resources Other (enter description)

farmstead/cluster name: _____

external site #: _____

(ID# used in city/agency database)

SHPO INFO FOR THIS PROPERTY

NR date listed: _____

ILS survey date: _____

RLS survey date: 6/28/2023

Gen File date: _____

106 Project(s)



Looking North

Oregon Historic Site Form

3303 S Hwy 97 S
Redmond, Deschutes County

LOCATION AND PROPERTY NAME

address: 3303 Hwy 97 S ☐ apprx. addr

Redmond ☐ vcnty Deschutes County

Optional Information

assoc addresses:
(former addresses, intersections, etc.)

location descr:
(remote sites)

historic name:

current/
other names:

block nbr: _____ lot nbr: _____ tax lot nbr: _____

township: _____ range: _____ section: _____ 1/4: _____

zip: _____

PROPERTY CHARACTERISTICS

resource type: Building height (# stories): _____

elig. evaluation: not eligible/non-contributing

primary constr date: 1973 (c.) ☐ secondary date: _____ (c.) ☐
(optional--use for major addns)

primary orig use: Warehouse

secondary orig use: _____

primary style: _____

secondary style: _____

primary siding: _____

secondary siding: _____

plan type: _____

total # eligible resources: _____ total # ineligible resources: _____

NR status: _____

NR date listed: _____ (indiv listed only; see
Grouping for hist dist)

orig use comments: _____

prim style comments: _____

sec style comments: _____

siding comments: _____

architect: _____

builder: _____

comments/notes: **DIAL reports 576sf warehouse built 1973. Site visit documents much larger seeming newer property. Common design, no obvious design or associative significance.**

GROUPINGS / ASSOCIATIONS

survey project name or other grouping name: COID Pilot Butte Canal APE Resources Other (enter description)

farmstead/cluster name: _____

external site #: _____

(ID# used in city/agency database)

SHPO INFO FOR THIS PROPERTY

NR date listed: _____

ILS survey date: _____

RLS survey date: 6/28/2023

Gen File date: _____

106 Project(s)



Looking west, across Hwy 97

Oregon Historic Site Form

3315 S Hwy 97 S
Redmond, Deschutes County

LOCATION AND PROPERTY NAME

address: 3315 Hwy 97 S ☐ apprx. addr

Redmond ☐ vcnty Deschutes County

Optional Information

assoc addresses:
(former addresses, intersections, etc.)

location descr:
(remote sites)

historic name:

current/
other names:

block nbr: _____ lot nbr: _____ tax lot nbr: _____

township: _____ range: _____ section: _____ 1/4: _____

zip: _____

PROPERTY CHARACTERISTICS

resource type: Building height (# stories): _____

elig. evaluation: not eligible/non-contributing

primary constr date: 1971 (c.) ☐ secondary date: _____ (c.) ☐
(optional--use for major addns)

primary orig use: Restaurant

secondary orig use: _____

primary style: _____

secondary style: _____

primary siding: _____

secondary siding: _____

plan type: _____

total # eligible resources: _____ total # ineligible resources: _____

NR status: _____

NR date listed: _____ (indiv listed only; see
Grouping for hist dist)

orig use comments: _____

prim style comments: _____

sec style comments: _____

siding comments: _____

architect: _____

builder: _____

comments/notes: **DIAL reports 3550sf restaurant built 1971. Site visit documents log construction. Common design, no obvious design or associative significance.**

GROUPINGS / ASSOCIATIONS

survey project name or other grouping name COID Pilot Butte Canal APE Resources Other (enter description)

farmstead/cluster name: _____

external site #: _____
(ID# used in city/agency database)

SHPO INFO FOR THIS PROPERTY

NR date listed: _____

ILS survey date: _____

RLS survey date: 6/28/2023

Gen File date: _____

106 Project(s)



Looking West

Oregon Historic Site Form

3399 S Hwy 97 S
Redmond, Deschutes County

LOCATION AND PROPERTY NAME

address: 3399 Hwy 97 S ☐ apprx. addr

Redmond ☐ vcnty Deschutes County

Optional Information

assoc addresses:
(former addresses, intersections, etc.)

location descr:
(remote sites)

historic name:

current/
other names:

block nbr: _____ lot nbr: _____ tax lot nbr: _____

township: _____ range: _____ section: _____ 1/4: _____

zip: _____

PROPERTY CHARACTERISTICS

resource type: Building height (# stories): _____

elig. evaluation: not eligible/non-contributing

primary constr date: 1973 (c.) ☐ secondary date: _____ (c.) ☐
(optional--use for major addns)

primary orig use: COMMERCIAL: General

secondary orig use: _____

primary style: _____

secondary style: _____

primary siding: _____

secondary siding: _____

plan type: _____

total # eligible resources: _____ total # ineligible resources: _____

NR status: _____

NR date listed: _____ (indiv listed only; see
Grouping for hist dist)

orig use comments: _____

prim style comments: _____

sec style comments: _____

siding comments: _____

architect: _____

builder: _____

comments/notes: **DIAL reports 16000sf store built 197. Appears altered, common design, no obvious design or associative significance.**

GROUPINGS / ASSOCIATIONS

survey project name or other grouping name: COID Pilot Butte Canal APE Resources Other (enter description)

farmstead/cluster name: _____

external site #: _____

(ID# used in city/agency database)

SHPO INFO FOR THIS PROPERTY

NR date listed: _____

ILS survey date: _____

RLS survey date: 6/28/2023

Gen File date: _____

106 Project(s)



Looking SW

Oregon Historic Site Form

5063 S Hwy 97 S
Redmond, Deschutes County

LOCATION AND PROPERTY NAME

address: 5063 Hwy 97 S ☐ apprx. addr

Redmond ☐ vcnty Deschutes County

Optional Information

assoc addresses:
(former addresses, intersections, etc.)

location descr:
(remote sites)

historic name:

current/
other names:

block nbr: _____ lot nbr: _____ tax lot nbr: _____

township: _____ range: _____ section: _____ 1/4: _____

zip: _____

PROPERTY CHARACTERISTICS

resource type: Building height (# stories): _____

elig. evaluation: not eligible/non-contributing

primary constr date: 1972 (c.) ☐ secondary date: _____ (c.) ☐
(optional--use for major addns)

primary orig use: Sinle Dwelling

secondary orig use: _____

primary style: _____

secondary style: _____

primary siding: _____

secondary siding: _____

plan type: _____

total # eligible resources: _____ total # ineligible resources: _____

NR status: _____

NR date listed: _____ (indiv listed only; see
Grouping for hist dist)

orig use comments: _____

prim style comments: _____

sec style comments: _____

siding comments: _____

architect: _____

builder: _____

comments/notes: **DIAL reports 840sf residence built 1972 with three farm outbuildings built pre-2000. Site visit documents this is a mobile home park, with the primary resource serving as the office/store. Outbuildings not visible.**

GROUPINGS / ASSOCIATIONS

survey project name or other grouping name COID Pilot Butte Canal APE Resources Other (enter description)

farmstead/cluster name: _____

external site #: _____

(ID# used in city/agency database)

SHPO INFO FOR THIS PROPERTY

NR date listed: _____

ILS survey date: _____

RLS survey date: 6/28/2023

Gen File date: _____

106 Project(s)



Looking NW, from Hwy 97

Oregon Historic Site Form

6485 S Hwy 97 S
Redmond, Deschutes County

LOCATION AND PROPERTY NAME

address: 6485 Hwy 97 S ☐ apprx. addrRedmond ☐ vcnty Deschutes County

Optional Information

assoc addresses:
(former addresses, intersections, etc.)location descr:
(remote sites)

historic name:

current/
other names:

block nbr: _____ lot nbr: _____ tax lot nbr: _____

township: _____ range: _____ section: _____ 1/4: _____

zip: _____

PROPERTY CHARACTERISTICS

resource type: Building height (# stories): _____elig. evaluation: not eligible/non-contributingprimary constr date: 1939 (c.) ☐ secondary date: _____ (c.) ☐
(optional--use for major addns)primary orig use: Sinle Dwelling

secondary orig use: _____

primary style: _____

secondary style: _____

primary siding: _____

secondary siding: _____

plan type: _____

total # eligible resources: _____ total # ineligible resources: _____

NR status: _____

NR date listed: _____ (indiv listed only; see
Grouping for hist dist)

orig use comments: _____

prim style comments: _____

sec style comments: _____

siding comments: _____

architect: _____

builder: _____

comments/notes: **DIAL reports 880sf residence built 1939 with one farm outbuilding built 1932. Some alteration, common design, no obvious design or associative significance.**

GROUPINGS / ASSOCIATIONS

survey project name or other grouping name COID Pilot Butte Canal APE Resources Other (enter description)

farmstead/cluster name: _____

external site #: _____

(ID# used in city/agency database)

SHPO INFO FOR THIS PROPERTY

NR date listed: _____

ILS survey date: _____

RLS survey date: 6/29/2023

Gen File date: _____

106 Project(s)



Looking West, from Hwy 97

Oregon Historic Site Form

6531 S Hwy 97 S
Redmond, Deschutes County

LOCATION AND PROPERTY NAME

address: 6531 Hwy 97 S ☐ apprx. addrRedmond ☐ vcnty Deschutes County

Optional Information

assoc addresses:
(former addresses, intersections, etc.)location descr:
(remote sites)

historic name:

current/
other names:

block nbr: _____ lot nbr: _____ tax lot nbr: _____

township: _____ range: _____ section: _____ 1/4: _____

zip: _____

PROPERTY CHARACTERISTICS

resource type: Building height (# stories): _____elig. evaluation: not eligible/non-contributingprimary constr date: 1972 (c.) ☐ secondary date: _____ (c.) ☐
(optional--use for major addns)primary orig use: Sinle Dwelling

secondary orig use: _____

primary style: _____

secondary style: _____

primary siding: _____

secondary siding: _____

plan type: _____

total # eligible resources: _____ total # ineligible resources: _____

NR status: _____

NR date listed: _____ (indiv listed only; see
Grouping for hist dist)

orig use comments: _____

prim style comments: _____

sec style comments: _____

siding comments: _____

architect: _____

builder: _____

comments/notes: **DIAL reports 2240sf residence built 1972 with two farm outbuildings. Common design, no obvious design or associative significance.**

GROUPINGS / ASSOCIATIONS

survey project name or other grouping name COID Pilot Butte Canal APE Resources Other (enter description)

farmstead/cluster name: _____

external site #: _____
(ID# used in city/agency database)

SHPO INFO FOR THIS PROPERTY

NR date listed: _____

ILS survey date: _____

RLS survey date: 6/29/2023

Gen File date: _____

106 Project(s)



Looking NW from Hwy 97

Oregon Historic Site Form

65175 N Hwy 97 N
Bend, Deschutes County

LOCATION AND PROPERTY NAME

address: 65175 Hwy 97 N ☐ apprx. addr

Bend ☐ vcnty Deschutes County

Optional Information

assoc addresses:
(former addresses, intersections, etc.)

location descr:
(remote sites)

historic name:

current/
other names:

block nbr: _____ lot nbr: _____ tax lot nbr: _____

township: _____ range: _____ section: _____ 1/4: _____

zip: _____

PROPERTY CHARACTERISTICS

resource type: Building height (# stories): _____

elig. evaluation: not eligible/non-contributing

primary constr date: 1955 (c.) ☐ secondary date: _____ (c.) ☐
(optional--use for major addns)

primary orig use: Sinle Dwelling

secondary orig use: _____

primary style: _____

secondary style: _____

primary siding: _____

secondary siding: _____

plan type: _____

total # eligible resources: _____ total # ineligible resources: _____

NR status: _____

NR date listed: _____ (indiv listed only; see
Grouping for hist dist)

orig use comments: _____

prim style comments: _____

sec style comments: _____

siding comments: _____

architect: _____

builder: _____

comments/notes: **DIAL reports "residence-other improvement" dated 1955 however site visit documents complex of commerical buildings on large lot. Common design, no obvious design or associative significance.**

GROUPINGS / ASSOCIATIONS

survey project name or other grouping name: COID Pilot Butte Canal APE Resources Other (enter description)

farmstead/cluster name: _____

external site #: _____

(ID# used in city/agency database)

SHPO INFO FOR THIS PROPERTY

NR date listed: _____

ILS survey date: _____

RLS survey date: 6/29/2023

Gen File date: _____

106 Project(s)



View to the west, from 97 (Google Image)

Oregon Historic Site Form

65315 N Hwy 97 N
Bend, Deschutes County

LOCATION AND PROPERTY NAME

address: 65315 Hwy 97 N ☐ apprx. addrBend ☐ vcnty Deschutes County

Optional Information

assoc addresses:
(former addresses, intersections, etc.)location descr:
(remote sites)

historic name:

current/
other names:

block nbr: _____ lot nbr: _____ tax lot nbr: _____

township: _____ range: _____ section: _____ 1/4: _____

zip: _____

PROPERTY CHARACTERISTICS

resource type: Building height (# stories): _____elig. evaluation: not eligible/non-contributingprimary constr date: 1972 (c.) ☐ secondary date: _____ (c.) ☐
(optional--use for major addns)primary orig use: Warehouse

secondary orig use: _____

primary style: _____

secondary style: _____

primary siding: _____

secondary siding: _____

plan type: _____

total # eligible resources: _____ total # ineligible resources: _____

NR status: _____

NR date listed: _____ (indiv listed only; see
Grouping for hist dist)

orig use comments: _____

prim style comments: _____

sec style comments: _____

siding comments: _____

architect: _____

builder: _____

comments/notes: **DIAL reports 2240sf warehouse/service garage built 1972. Common design, no obvious design or associative significance.**

GROUPINGS / ASSOCIATIONS

survey project name or other grouping name COID Pilot Butte Canal APE Resources Other (enter description)

farmstead/cluster name: _____

external site #: _____

(ID# used in city/agency database)

SHPO INFO FOR THIS PROPERTY

NR date listed: _____

ILS survey date: _____

RLS survey date: 6/29/2023

Gen File date: _____

106 Project(s)

Looking W from Hwy 97 (Google Image)

Oregon Historic Site Form

730 King Way
Redmond, Deschutes County

LOCATION AND PROPERTY NAME

address: 730 NE King Way ☐ apprx. addr

Redmond ☐ vcnty Deschutes County

Optional Information

assoc addresses:
(former addresses, intersections, etc.)

location descr:
(remote sites)

historic name:

current/
other names:

block nbr: _____ lot nbr: _____ tax lot nbr: _____

township: _____ range: _____ section: _____ 1/4: _____

zip: _____

PROPERTY CHARACTERISTICS

resource type: Building height (# stories): _____

elig. evaluation: not eligible/non-contributing

primary constr date: 1976 (c.) ☐ secondary date: _____ (c.) ☐
(optional--use for major addns)

primary orig use: Sinle Dwelling

secondary orig use: _____

primary style: _____

secondary style: _____

primary siding: _____

secondary siding: _____

plan type: _____

total # eligible resources: _____ total # ineligible resources: _____

NR status: _____

NR date listed: _____ (indiv listed only; see
Grouping for hist dist)

orig use comments: _____

prim style comments: _____

sec style comments: _____

siding comments: _____

architect: _____

builder: _____

comments/notes: **DIAL reports 2462sf residence built 1976 with two farm outbuildings built 1925. Not visible from public ROW but without any obvious signficiance based on aerial views.**

GROUPINGS / ASSOCIATIONS

survey project name or other grouping name: COID Pilot Butte Canal APE Resources Other (enter description)

farmstead/cluster name: _____

external site #: _____

(ID# used in city/agency database)

SHPO INFO FOR THIS PROPERTY

NR date listed: _____

ILS survey date: _____

RLS survey date: 6/30/2023

Gen File date: _____

106 Project(s)



View to south, from King Way

Oregon Historic Site Form

910 King Way
Redmond, Deschutes County

LOCATION AND PROPERTY NAME

address: 910 NE King Way ☐ apprx. addr

Redmond ☐ vcnty Deschutes County

Optional Information

assoc addresses:
(former addresses, intersections, etc.)

location descr:
(remote sites)

historic name:

current/
other names:

block nbr: _____ lot nbr: _____ tax lot nbr: _____

township: _____ range: _____ section: _____ 1/4: _____

zip: _____

PROPERTY CHARACTERISTICS

resource type: Building height (# stories): _____

elig. evaluation: not eligible/non-contributing

primary constr date: 1977 (c.) ☐ secondary date: _____ (c.) ☐
(optional--use for major addns)

primary orig use: Sinle Dwelling

secondary orig use: _____

primary style: _____

secondary style: _____

primary siding: _____

secondary siding: _____

plan type: _____

total # eligible resources: _____ total # ineligible resources: _____

NR status: _____

NR date listed: _____ (indiv listed only; see
Grouping for hist dist)

orig use comments: _____

prim style comments: _____

sec style comments: _____

siding comments: _____

architect: _____

builder: _____

comments/notes: **DIAL reports 1908sf residence built 1977 with two farm outbuildings built 1970. Common design, no obvious design or associative significance.**

GROUPINGS / ASSOCIATIONS

survey project name or other grouping name COID Pilot Butte Canal APE Resources Other (enter description)

farmstead/cluster name: _____

external site #: _____

(ID# used in city/agency database)

SHPO INFO FOR THIS PROPERTY

NR date listed: _____

ILS survey date: _____

RLS survey date: 6/28/2023

Gen File date: _____

106 Project(s)



Looking South from King Way

Oregon Historic Site Form

Early bungalow

1000 King Way

Redmond, Deschutes County

LOCATION AND PROPERTY NAME

address: 1000 NE King Way ☐ apprx. addrhistoric name: Early bungalowRedmond ☐ vcnty Deschutes Countycurrent/
other names:

Optional Information

assoc addresses:
(former addresses, intersections, etc.)location descr:
(remote sites)

block nbr: _____ lot nbr: _____ tax lot nbr: _____

township: _____ range: _____ section: _____ 1/4: _____

zip: _____

PROPERTY CHARACTERISTICS

resource type: Building height (# stories): _____

total # eligible resources: _____ total # ineligible resources: _____

elig. evaluation: eligible/contributing

NR status: _____

primary constr date: 1920 (c.) ☐ secondary date: _____ (c.) ☐
(optional--use for major addns)NR date listed: _____ (indiv listed only; see
Grouping for hist dist)primary orig use: Sinale Dwelling

orig use comments: _____

secondary orig use: _____

prim style comments: _____

primary style: _____

sec style comments: _____

secondary style: _____

primary siding: _____

siding comments: _____

secondary siding: _____

plan type: _____

architect: _____

builder: _____

comments/notes: **DIAL reports 768sf residence built 1920 with farm outbuilding built 1950.**

GROUPINGS / ASSOCIATIONS

survey project name or other grouping name COID Pilot Butte Canal APE Resources Other (enter description)

farmstead/cluster name: _____

external site #: _____
(ID# used in city/agency database)

SHPO INFO FOR THIS PROPERTY

NR date listed: _____

ILS survey date: _____

RLS survey date: 6/28/2023

Gen File date: _____

106 Project(s)

Oregon Historic Site Form

4980 McVey Ave
Redmond, Deschutes County

LOCATION AND PROPERTY NAME

address: 4980 SW McVey Ave ☐ apprx. addr

Redmond ☐ vcnty Deschutes County

Optional Information

assoc addresses:
(former addresses, intersections, etc.)

location descr:
(remote sites)

historic name:

current/
other names:

block nbr: _____ lot nbr: _____ tax lot nbr: _____

township: _____ range: _____ section: _____ 1/4: _____

zip: _____

PROPERTY CHARACTERISTICS

resource type: Building height (# stories): _____

elig. evaluation: not eligible/non-contributing

primary constr date: 2000 (c.) ☐ secondary date: _____ (c.) ☐
(optional--use for major addns)

primary orig use: Sinle Dwelling

secondary orig use: _____

primary style: _____

secondary style: _____

primary siding: _____

secondary siding: _____

plan type: _____

total # eligible resources: _____ total # ineligible resources: _____

NR status: _____

NR date listed: _____ (indiv listed only; see
Grouping for hist dist)

orig use comments: _____

prim style comments: _____

sec style comments: _____

siding comments: _____

architect: _____

builder: _____

comments/notes: **DIAL reports 3220sf residence built 2000 with one farm outbuilding built 1950. Common design, no obvious design or associative significance.**

GROUPINGS / ASSOCIATIONS

survey project name or other grouping name COID Pilot Butte Canal APE Resources Other (enter description)

farmstead/cluster name: _____

external site #: _____

(ID# used in city/agency database)

SHPO INFO FOR THIS PROPERTY

NR date listed: _____

ILS survey date: _____

RLS survey date: 6/29/2023

Gen File date: _____

106 Project(s)



View to the east, from McVey

Oregon Historic Site Form

2912 Meadow Lane
Redmond, Deschutes County

LOCATION AND PROPERTY NAME

address: 2912 SW Meadow Lane ☐ apprx. addr

Redmond ☐ vcnty Deschutes County

Optional Information

assoc addresses:
(former addresses, intersections, etc.)

location descr:
(remote sites)

historic name:

current/
other names:

block nbr: _____ lot nbr: _____ tax lot nbr: _____

township: _____ range: _____ section: _____ 1/4: _____

zip: _____

PROPERTY CHARACTERISTICS

resource type: Building height (# stories): _____

elig. evaluation: not eligible/non-contributing

primary constr date: 1975 (c.) ☐ secondary date: _____ (c.) ☐
(optional--use for major addns)

primary orig use: Single Dwelling

secondary orig use: _____

primary style: _____

secondary style: _____

primary siding: _____

secondary siding: _____

plan type: _____

total # eligible resources: _____ total # ineligible resources: _____

NR status: _____

NR date listed: _____ (indiv listed only; see
Grouping for hist dist)

orig use comments: _____

prim style comments: _____

sec style comments: _____

siding comments: _____

architect: _____

builder: _____

comments/notes: **DIAL Reports 1584sf residence built 1975 with one farm outbuilding dated 1910 (64sf). Common design, no obvious design or associative significance.**

GROUPINGS / ASSOCIATIONS

survey project name or other grouping name COID Pilot Butte Canal APE Resources Other (enter description)

farmstead/cluster name: _____

external site #: _____

(ID# used in city/agency database)

SHPO INFO FOR THIS PROPERTY

NR date listed: _____

ILS survey date: _____

RLS survey date: 6/28/2023

Gen File date: _____

106 Project(s)



Looking SE from Meadow Lane

Oregon Historic Site Form

2934 Meadow Lane
Redmond, Deschutes County

LOCATION AND PROPERTY NAME

address: 2934 SW Meadow Lane ☐ apprx. addr

Redmond ☐ vcnty Deschutes County

Optional Information

assoc addresses:
(former addresses, intersections, etc.)

location descr:
(remote sites)

historic name:

current/
other names:

block nbr: _____ lot nbr: _____ tax lot nbr: _____

township: _____ range: _____ section: _____ 1/4: _____

zip: _____

PROPERTY CHARACTERISTICS

resource type: Building height (# stories): _____

elig. evaluation: not eligible/non-contributing

primary constr date: 1972 (c.) ☐ secondary date: _____ (c.) ☐
(optional--use for major addns)

primary orig use: Sinale Dwelling

secondary orig use: _____

primary style: _____

secondary style: _____

primary siding: _____

secondary siding: _____

plan type: _____

total # eligible resources: _____ total # ineligible resources: _____

NR status: _____

NR date listed: _____ (indiv listed only; see
Grouping for hist dist)

orig use comments: _____

prim style comments: _____

sec style comments: _____

siding comments: _____

architect: _____

builder: _____

comments/notes: **DIAL reports 1320sf residence built 1972. Common design, no obvious design or associative significance.**

GROUPINGS / ASSOCIATIONS

survey project name or other grouping name COID Pilot Butte Canal APE Resources Other (enter description)

farmstead/cluster name: _____

external site #: _____
(ID# used in city/agency database)

SHPO INFO FOR THIS PROPERTY

NR date listed: _____

ILS survey date: _____

RLS survey date: 6/28/2023

Gen File date: _____

106 Project(s)



Looking SE from Meadow Lane

Oregon Historic Site Form

2065 Meadowbrook Lane
Redmond, Deschutes County

LOCATION AND PROPERTY NAME

address: 2065 SW Meadowbrook Lane ☐ apprx. addr

Redmond ☐ vcnty Deschutes County

Optional Information

assoc addresses:
(former addresses, intersections, etc.)

location descr:
(remote sites)

historic name:

current/
other names:

block nbr: _____ lot nbr: _____ tax lot nbr: _____

township: _____ range: _____ section: _____ 1/4: _____

zip: _____

PROPERTY CHARACTERISTICS

resource type: Building height (# stories): _____

elig. evaluation: not eligible/non-contributing

primary constr date: 1973 (c.) ☐ secondary date: _____ (c.) ☐
(optional--use for major addns)

primary orig use: Single Dwelling

secondary orig use: _____

primary style: _____

secondary style: _____

primary siding: _____

secondary siding: _____

plan type: _____

total # eligible resources: _____ total # ineligible resources: _____

NR status: _____

NR date listed: _____ (indiv listed only; see
Grouping for hist dist)

orig use comments: _____

prim style comments: _____

sec style comments: _____

siding comments: _____

architect: _____

builder: _____

comments/notes: **DIAL reports 1461sf residence built 1973. Common design, no obvious design or associative significance.**

GROUPINGS / ASSOCIATIONS

survey project name or other grouping name COID Pilot Butte Canal APE Resources Other (enter description)

farmstead/cluster name: _____

external site #: _____
(ID# used in city/agency database)

SHPO INFO FOR THIS PROPERTY

NR date listed: _____

ILS survey date: _____

RLS survey date: 6/30/2023

Gen File date: _____

106 Project(s)



Looking E from Meadowbrook Lane

Oregon Historic Site Form

2095 Meadowbrook Lane
Redmond, Deschutes County

LOCATION AND PROPERTY NAME

address: 2095 SW Meadowbrook Lane ☐ apprx. addr

Redmond ☐ vcnty Deschutes County

Optional Information

assoc addresses:
(former addresses, intersections, etc.)

location descr:
(remote sites)

historic name:

current/
other names:

block nbr: _____ lot nbr: _____ tax lot nbr: _____

township: _____ range: _____ section: _____ 1/4: _____

zip: _____

PROPERTY CHARACTERISTICS

resource type: Building height (# stories): _____

elig. evaluation: not eligible/non-contributing

primary constr date: 1973 (c.) ☐ secondary date: _____ (c.) ☐
(optional--use for major addns)

primary orig use: Sinale Dwelling

secondary orig use: _____

primary style: _____

secondary style: _____

primary siding: _____

secondary siding: _____

plan type: _____

total # eligible resources: _____ total # ineligible resources: _____

NR status: _____

NR date listed: _____ (indiv listed only; see
Grouping for hist dist)

orig use comments: _____

prim style comments: _____

sec style comments: _____

siding comments: _____

architect: _____

builder: _____

comments/notes: **DIAL Reports 1320sf residence with two farm outbuildings 1996-2021. Common design, no obvious design or associative significance.**

GROUPINGS / ASSOCIATIONS

survey project name or other grouping name: COID Pilot Butte Canal APE Resources Other (enter description)

farmstead/cluster name: _____

external site #: _____

(ID# used in city/agency database)

SHPO INFO FOR THIS PROPERTY

NR date listed: _____

ILS survey date: _____

RLS survey date: 6/28/2023

Gen File date: _____

106 Project(s)



Looking NE from Meadowbrook Ln

Oregon Historic Site Form

63385 Old Deschutes Rd
Bend, Deschutes County

LOCATION AND PROPERTY NAME

address: 63385 Old Deschutes Rd ☐ apprx. addr

Bend ☐ vcnty Deschutes County

Optional Information

assoc addresses:
(former addresses, intersections, etc.)

location descr:
(remote sites)

historic name:

current/
other names:

block nbr: _____ lot nbr: _____ tax lot nbr: _____

township: _____ range: _____ section: _____ 1/4: _____

zip: _____

PROPERTY CHARACTERISTICS

resource type: Building height (# stories): _____

elig. evaluation: not eligible/non-contributing

primary constr date: 1950 (c.) ☐ secondary date: _____ (c.) ☐
(optional--use for major addns)

primary orig use: Aaric. Outbuilding

secondary orig use: _____

primary style: _____

secondary style: _____

primary siding: _____

secondary siding: _____

plan type: _____

total # eligible resources: _____ total # ineligible resources: _____

NR status: _____

NR date listed: _____ (indiv listed only; see
Grouping for hist dist)

orig use comments: _____

prim style comments: _____

sec style comments: _____

siding comments: _____

architect: _____

builder: _____

comments/notes: **DIAL reports 2050sf residence built 1981 with two farm outbuildings, built 1950. Common design, no obvious design or associative significance.**

GROUPINGS / ASSOCIATIONS

survey project name or other grouping name: COID Pilot Butte Canal APE Resources Other (enter description)

farmstead/cluster name: _____

external site #: _____

(ID# used in city/agency database)

SHPO INFO FOR THIS PROPERTY

NR date listed: _____

ILS survey date: _____

RLS survey date: 6/30/2023

Gen File date: _____

106 Project(s)



Looking South from ROW

Oregon Historic Site Form

63245 Old Deschutes Rd
Bend, Deschutes County

LOCATION AND PROPERTY NAME

address: 63245 Old Deschutes Rd ☐ apprx. addrBend ☐ vcnty Deschutes County

Optional Information

assoc addresses:
(former addresses, intersections, etc.)location descr:
(remote sites)

historic name:

current/
other names:

block nbr: _____ lot nbr: _____ tax lot nbr: _____

township: _____ range: _____ section: _____ 1/4: _____

zip: _____

PROPERTY CHARACTERISTICS

resource type: Building height (# stories): _____elig. evaluation: not eligible/non-contributingprimary constr date: 1968 (c.) ☐ secondary date: _____ (c.) ☐
(optional--use for major addns)primary orig use: Single Dwelling

secondary orig use: _____

primary style: _____

secondary style: _____

primary siding: _____

secondary siding: _____

plan type: _____

total # eligible resources: _____ total # ineligible resources: _____

NR status: _____

NR date listed: _____ (indiv listed only; see
Grouping for hist dist)

orig use comments: _____

prim style comments: _____

sec style comments: _____

siding comments: _____

architect: _____

builder: _____

comments/notes: **DIAL reports 1572sf residence built 1968 with one farm outbuilding, built 1960. Common design, no obvious design or associative significance.**

GROUPINGS / ASSOCIATIONS

survey project name or other grouping name COID Pilot Butte Canal APE Resources Other (enter description)

farmstead/cluster name: _____

external site #: _____

(ID# used in city/agency database)

SHPO INFO FOR THIS PROPERTY

NR date listed: _____

ILS survey date: _____

RLS survey date: 6/30/2023

Gen File date: _____

106 Project(s)



Looking SW from Old Deschutes Rd

Oregon Historic Site Form

63285 Old Deschutes Rd
Bend, Deschutes County

LOCATION AND PROPERTY NAME

address: 63285 Old Deschutes Rd ☐ apprx. addr

Bend ☐ vcnty Deschutes County

Optional Information

assoc addresses:
(former addresses, intersections, etc.)

location descr:
(remote sites)

historic name:

current/
other names:

block nbr: _____ lot nbr: _____ tax lot nbr: _____

township: _____ range: _____ section: _____ 1/4: _____

zip: _____

PROPERTY CHARACTERISTICS

resource type: Building height (# stories): _____

elig. evaluation: not eligible/non-contributing

primary constr date: 1969 (c.) ☐ secondary date: _____ (c.) ☐
(optional--use for major addns)

primary orig use: Sinle Dwelling

secondary orig use: _____

primary style: _____

secondary style: _____

primary siding: _____

secondary siding: _____

plan type: _____

total # eligible resources: _____ total # ineligible resources: _____

NR status: _____

NR date listed: _____ (indiv listed only; see
Grouping for hist dist)

orig use comments: _____

prim style comments: _____

sec style comments: _____

siding comments: _____

architect: _____

builder: _____

comments/notes: **DIAL reports 3790sf resicnec built 1969 with two farm outbuildings, built 1960. Site visit finds house at end of private lane, not visible from ROW, but without any assumed or obvious significance based on aerial views.**

GROUPINGS / ASSOCIATIONS

survey project name or other grouping name COID Pilot Butte Canal APE Resources Other (enter description)

farmstead/cluster name: _____

external site #: _____

(ID# used in city/agency database)

SHPO INFO FOR THIS PROPERTY

NR date listed: _____

ILS survey date: _____

RLS survey date: 6/30/2023

Gen File date: _____

106 Project(s)



Looking South, from right-of-way

Oregon Historic Site Form

63333 Old Deschutes Rd
Bend, Deschutes County

LOCATION AND PROPERTY NAME

address: 63333 Old Deschutes Rd ☐ apprx. addr

Bend ☐ vcnty Deschutes County

Optional Information

assoc addresses:
(former addresses, intersections, etc.)

location descr:
(remote sites)

historic name:

current/
other names:

block nbr: _____ lot nbr: _____ tax lot nbr: _____

township: _____ range: _____ section: _____ 1/4: _____

zip: _____

PROPERTY CHARACTERISTICS

resource type: building height (# stories): _____

elig. evaluation: not eligible/non-contributing

primary constr date: 1976 (c.) ☐ secondary date: _____ (c.) ☐
(optional--use for major addns)

primary orig use: Sinle Dwelling

secondary orig use: _____

primary style: _____

secondary style: _____

primary siding: _____

secondary siding: _____

plan type: _____

total # eligible resources: _____ total # ineligible resources: _____

NR status: _____

NR date listed: _____ (indiv listed only; see
Grouping for hist dist)

orig use comments: _____

prim style comments: _____

sec style comments: _____

siding comments: _____

architect: _____

builder: _____

comments/notes: **DIAL reports 2806sf resicend built 1976 with two farm outbuildings built 1960. Common design, no obvious design or associative significance.**

GROUPINGS / ASSOCIATIONS

survey project name or other grouping name COID Pilot Butte Canal APE Resources Other (enter description)

farmstead/cluster name: _____

external site #: _____

(ID# used in city/agency database)

SHPO INFO FOR THIS PROPERTY

NR date listed: _____

ILS survey date: _____

RLS survey date: 6/30/2023

Gen File date: _____

106 Project(s)



Looking SE from road (house visibile thru trees)

Oregon Historic Site Form

63545 Old Deschutes Rd
Bend, Deschutes County

LOCATION AND PROPERTY NAME

address: 63545 Old Deschutes Rd ☐ apprx. addr

Bend ☐ vcnty Deschutes County

Optional Information

assoc addresses:
(former addresses, intersections, etc.)

location descr:
(remote sites)

historic name:

current/
other names:

block nbr: _____ lot nbr: _____ tax lot nbr: _____

township: _____ range: _____ section: _____ 1/4: _____

zip: _____

PROPERTY CHARACTERISTICS

resource type: Building height (# stories): _____

elig. evaluation: not eligible/non-contributing

primary constr date: 1950 (c.) ☐ secondary date: _____ (c.) ☐
(optional--use for major addns)

primary orig use: Aaric. Outbuilding

secondary orig use: _____

primary style: _____

secondary style: _____

primary siding: _____

secondary siding: _____

plan type: _____

total # eligible resources: _____ total # ineligible resources: _____

NR status: _____

NR date listed: _____ (indiv listed only; see
Grouping for hist dist)

orig use comments: _____

prim style comments: _____

sec style comments: _____

siding comments: _____

architect: _____

builder: _____

comments/notes: **DIAL reports 1920sf residence built 2001 with one farm outbuilding built 1950. No visibility from public ROW butr without any obvious significance based on aerial views.**

GROUPINGS / ASSOCIATIONS

survey project name or other grouping name: COID Pilot Butte Canal APE Resources Other (enter description)

farmstead/cluster name: _____

external site #: _____

(ID# used in city/agency database)

SHPO INFO FOR THIS PROPERTY

NR date listed: _____

ILS survey date: _____

RLS survey date: 6/30/2023

Gen File date: _____

106 Project(s)



Google Earth aerial view

Oregon Historic Site Form

4545 Quarry Ave
Redmond, Deschutes County

LOCATION AND PROPERTY NAME

address: 4545 SW Quarry Ave ☐ apprx. addr

Redmond ☐ vcnty Deschutes County

Optional Information

assoc addresses:
(former addresses, intersections, etc.)

location descr:
(remote sites)

historic name:

current/
other names:

block nbr: _____ lot nbr: _____ tax lot nbr: _____

township: _____ range: _____ section: _____ 1/4: _____

zip: _____

PROPERTY CHARACTERISTICS

resource type: Building height (# stories): _____

elig. evaluation: not eligible/non-contributing

primary constr date: 1970 (c.) ☐ secondary date: _____ (c.) ☐
(optional--use for major addns)

primary orig use: Warehouse

secondary orig use: _____

primary style: _____

secondary style: _____

primary siding: _____

secondary siding: _____

plan type: _____

total # eligible resources: _____ total # ineligible resources: _____

NR status: _____

NR date listed: _____ (indiv listed only; see
Grouping for hist dist)

orig use comments: _____

prim style comments: _____

sec style comments: _____

siding comments: _____

architect: _____

builder: _____

comments/notes: **DIAL reports 432sf residence built 1970 with machine/farm outbuilding built in 1970. Common design, no obvious design or associative significance.**

GROUPINGS / ASSOCIATIONS

survey project name or other grouping name: COID Pilot Butte Canal APE Resources Other (enter description)

farmstead/cluster name: _____

external site #: _____

(ID# used in city/agency database)

SHPO INFO FOR THIS PROPERTY

NR date listed: _____

ILS survey date: _____

RLS survey date: 6/29/2023

Gen File date: _____

106 Project(s)



Looking NW from Quarry Ave

Oregon Historic Site Form

5023 Quarry Ave
Redmond, Deschutes County

LOCATION AND PROPERTY NAME

address: 5023 SW Quarry Ave ☐ apprx. addr

Redmond ☐ vcnty Deschutes County

Optional Information

assoc addresses:
(former addresses, intersections, etc.)

location descr:
(remote sites)

historic name:

current/
other names:

block nbr: _____ lot nbr: _____ tax lot nbr: _____

township: _____ range: _____ section: _____ 1/4: _____

zip: _____

PROPERTY CHARACTERISTICS

resource type: building height (# stories): _____

elig. evaluation: not eligible/non-contributing

primary constr date: 1986 (c.) ☐ secondary date: _____ (c.) ☐
(optional--use for major addns)

primary orig use: Sinale Dwelling

secondary orig use: _____

primary style: _____

secondary style: _____

primary siding: _____

secondary siding: _____

plan type: _____

total # eligible resources: _____ total # ineligible resources: _____

NR status: _____

NR date listed: _____ (indiv listed only; see
Grouping for hist dist)

orig use comments: _____

prim style comments: _____

sec style comments: _____

siding comments: _____

architect: _____

builder: _____

comments/notes: **DIAL reports 1615sf residence built in 1986 with two farm outbuildings, built 1970. Common design, no obvious design or associative significance.**

GROUPINGS / ASSOCIATIONS

survey project name or other grouping name: COID Pilot Butte Canal APE Resources Other (enter description)

farmstead/cluster name: _____

external site #: _____

(ID# used in city/agency database)

SHPO INFO FOR THIS PROPERTY

NR date listed: _____

ILS survey date: _____

RLS survey date: 6/29/2023

Gen File date: _____

106 Project(s)



Looking North from Quarry Ave

Oregon Historic Site Form

5093 Quarry Ave
Redmond, Deschutes County

LOCATION AND PROPERTY NAME

address: 5093 SW Quarry Ave ☐ apprx. addr

Redmond ☐ vcnty Deschutes County

Optional Information

assoc addresses:
(former addresses, intersections, etc.)

location descr:
(remote sites)

historic name:

current/
other names:

block nbr: _____ lot nbr: _____ tax lot nbr: _____

township: _____ range: _____ section: _____ 1/4: _____

zip: _____

PROPERTY CHARACTERISTICS

resource type: Building height (# stories): _____

elig. evaluation: not eligible/non-contributing

primary constr date: 1945 (c.) ☐ secondary date: _____ (c.) ☐
(optional--use for major addns)

primary orig use: Sinle Dwelling

secondary orig use: _____

primary style: _____

secondary style: _____

primary siding: _____

secondary siding: _____

plan type: _____

total # eligible resources: _____ total # ineligible resources: _____

NR status: _____

NR date listed: _____ (indiv listed only; see
Grouping for hist dist)

orig use comments: _____

prim style comments: _____

sec style comments: _____

siding comments: _____

architect: _____

builder: _____

comments/notes: **DIAL reports a 2192sf residence built in 1945 with one farm outbuilding built in 1940. Common design, no obvious design or associative significance.**

GROUPINGS / ASSOCIATIONS

survey project name or other grouping name: COID Pilot Butte Canal APE Resources Other (enter description)

farmstead/cluster name: _____

external site #: _____

(ID# used in city/agency database)

SHPO INFO FOR THIS PROPERTY

NR date listed: _____

ILS survey date: _____

RLS survey date: 6/29/2023

Gen File date: _____

106 Project(s)



Looking North, from Quarry Ave.

Oregon Historic Site Form

5272 Quarry Ave
Redmond, Deschutes County

LOCATION AND PROPERTY NAME

address: 5272 SW Quarry Ave ☐ apprx. addr

Redmond ☐ vcnty Deschutes County

Optional Information

assoc addresses:
(former addresses, intersections, etc.)

location descr:
(remote sites)

historic name:

current/
other names:

block nbr: _____ lot nbr: _____ tax lot nbr: _____

township: _____ range: _____ section: _____ 1/4: _____

zip: _____

PROPERTY CHARACTERISTICS

resource type: Building height (# stories): _____

elig. evaluation: not eligible/non-contributing

primary constr date: 1920 (c.) ☐ secondary date: _____ (c.) ☐
(optional--use for major addns)

primary orig use: Sinle Dwelling

secondary orig use: _____

primary style: _____

secondary style: _____

primary siding: _____

secondary siding: _____

plan type: _____

total # eligible resources: _____ total # ineligible resources: _____

NR status: _____

NR date listed: _____ (indiv listed only; see
Grouping for hist dist)

orig use comments: _____

prim style comments: _____

sec style comments: _____

siding comments: _____

architect: _____

builder: _____

comments/notes: **Early structure, much modified with altered windows, replaced front door, porch, roof and exterior second floor stairwell access.**

GROUPINGS / ASSOCIATIONS

survey project name or other grouping name COID Pilot Butte Canal APE Resources Other (enter description)

farmstead/cluster name: _____

external site #: _____

(ID# used in city/agency database)

SHPO INFO FOR THIS PROPERTY

NR date listed: _____

ILS survey date: _____

RLS survey date: 6/30/2023

Gen File date: _____

106 Project(s)



Looking South, from Quarry Ave

Oregon Historic Site Form

5351 Quarry Ave
Redmond, Deschutes County

LOCATION AND PROPERTY NAME

address: 5351 SW Quarry Ave ☐ apprx. addr

Redmond ☐ vcnty Deschutes County

Optional Information

assoc addresses:
(former addresses, intersections, etc.)

location descr:
(remote sites)

historic name:

current/
other names:

block nbr: _____ lot nbr: _____ tax lot nbr: _____

township: _____ range: _____ section: _____ 1/4: _____

zip: _____

PROPERTY CHARACTERISTICS

resource type: Building height (# stories): _____

elig. evaluation: not eligible/non-contributing

primary constr date: 1971 (c.) ☐ secondary date: _____ (c.) ☐
(optional--use for major addns)

primary orig use: Sinle Dwelling

secondary orig use: _____

primary style: _____

secondary style: _____

primary siding: _____

secondary siding: _____

plan type: _____

total # eligible resources: _____ total # ineligible resources: _____

NR status: _____

NR date listed: _____ (indiv listed only; see
Grouping for hist dist)

orig use comments: _____

prim style comments: _____

sec style comments: _____

siding comments: _____

architect: _____

builder: _____

comments/notes: **DIAL reports 1516sf residence built 1971 with one farm outbuilding built 1950. Building is located distant from public ROW.**

GROUPINGS / ASSOCIATIONS

survey project name or other grouping name: COID Pilot Butte Canal APE Resources Other (enter description)

farmstead/cluster name: _____

external site #: _____

(ID# used in city/agency database)

SHPO INFO FOR THIS PROPERTY

NR date listed: _____

ILS survey date: _____

RLS survey date: 6/29/2023

Gen File date: _____

106 Project(s)



Looking N, from Quarry Ave.

Oregon Historic Site Form

5680 Quarry Ave
Redmond, Deschutes County

LOCATION AND PROPERTY NAME

address: 5680 SW Quarry Ave ☐ apprx. addr

Redmond ☐ vcnty Deschutes County

Optional Information

assoc addresses:
(former addresses, intersections, etc.)

location descr:
(remote sites)

historic name:

current/
other names:

block nbr: _____ lot nbr: _____ tax lot nbr: _____

township: _____ range: _____ section: _____ 1/4: _____

zip: _____

PROPERTY CHARACTERISTICS

resource type: Building height (# stories): _____

elig. evaluation: not eligible/non-contributing

primary constr date: 1968 (c.) ☐ secondary date: _____ (c.) ☐
(optional--use for major addns)

primary orig use: Sinle Dwelling

secondary orig use: _____

primary style: _____

secondary style: _____

primary siding: _____

secondary siding: _____

plan type: _____

total # eligible resources: _____ total # ineligible resources: _____

NR status: _____

NR date listed: _____ (indiv listed only; see
Grouping for hist dist)

orig use comments: _____

prim style comments: _____

sec style comments: _____

siding comments: _____

architect: _____

builder: _____

comments/notes: **DIAL reports 2112sf resicned built 1968 with one farm outbuilding built 1965, nestled into heavily treed landscape, no visibilty from public ROW**

GROUPINGS / ASSOCIATIONS

survey project name or other grouping name COID Pilot Butte Canal APE Resources Other (enter description)

farmstead/cluster name: _____

external site #: _____

(ID# used in city/agency database)

SHPO INFO FOR THIS PROPERTY

NR date listed: _____

ILS survey date: _____

RLS survey date: 6/29/2023

Gen File date: _____

106 Project(s)



Looking South from Quarry Ave

Oregon Historic Site Form

20990 Yeoman Rd
Bend, Deschutes County

LOCATION AND PROPERTY NAME

address: 20990 Yeoman Rd ☐ apprx. addr

Bend ☐ vcnty Deschutes County

Optional Information

assoc addresses:
(former addresses, intersections, etc.)

location descr:
(remote sites)

historic name:

current/
other names:

block nbr: _____ lot nbr: _____ tax lot nbr: _____

township: _____ range: _____ section: _____ 1/4: _____

zip: _____

PROPERTY CHARACTERISTICS

resource type: Building height (# stories): _____

elig. evaluation: not eligible/non-contributing

primary constr date: 1935 (c.) ☐ secondary date: _____ (c.) ☐
(optional--use for major addns)

primary orig use: Sinle Dwelling

secondary orig use: _____

primary style: _____

secondary style: _____

primary siding: _____

secondary siding: _____

plan type: _____

total # eligible resources: _____ total # ineligible resources: _____

NR status: _____

NR date listed: _____ (indiv listed only; see
Grouping for hist dist)

orig use comments: _____

prim style comments: _____

sec style comments: _____

siding comments: _____

architect: _____

builder: _____

comments/notes: **DIAL reports 1999sf residence built 1935 with one farm outbuilding built 1940. Deep set lot, resource not visible from ROW but without any obviuos significance based on aerial views.**

GROUPINGS / ASSOCIATIONS

survey project name or other grouping name COID Pilot Butte Canal APE Resources Other (enter description) _____

farmstead/cluster name: _____

external site #: _____

(ID# used in city/agency database)

SHPO INFO FOR THIS PROPERTY

NR date listed: _____

ILS survey date: _____

RLS survey date: 6/30/2023

Gen File date: _____

106 Project(s)



Aerial view (Google Image)

Oregon Historic Site Form

21050 Yeoman Rd
Bend, Deschutes County

LOCATION AND PROPERTY NAME

address: 21050 Yeoman Rd ☐ apprx. addr

Bend ☐ vcnty Deschutes County

Optional Information

assoc addresses:
(former addresses, intersections, etc.)

location descr:
(remote sites)

historic name:

current/
other names:

block nbr: _____ lot nbr: _____ tax lot nbr: _____

township: _____ range: _____ section: _____ 1/4: _____

zip: _____

PROPERTY CHARACTERISTICS

resource type: Building height (# stories): _____

elig. evaluation: not eligible/non-contributing

primary constr date: 1912 (c.) ☐ secondary date: _____ (c.) ☐
(optional--use for major addns)

primary orig use: Sinale Dwelling

secondary orig use: _____

primary style: _____

secondary style: _____

primary siding: _____

secondary siding: _____

plan type: _____

total # eligible resources: _____ total # ineligible resources: _____

NR status: _____

NR date listed: _____ (indiv listed only; see
Grouping for hist dist)

orig use comments: _____

prim style comments: _____

sec style comments: _____

siding comments: _____

architect: _____

builder: _____

comments/notes: **DIAL reports 1062sf residence built 1912 with three farm outbuildings built 1952-1979. Significantly modified, lacking integrity to original design.**

GROUPINGS / ASSOCIATIONS

survey project name or other grouping name: COID Pilot Butte Canal APE Resources Other (enter description)

farmstead/cluster name: _____

external site #: _____

(ID# used in city/agency database)

SHPO INFO FOR THIS PROPERTY

NR date listed: _____

ILS survey date: _____

RLS survey date: 6/30/2023

Gen File date: _____

106 Project(s)



Looking W from Yeoman Road

Oregon Historic Site Form

2490 Yew Ave
Redmond, Deschutes County

LOCATION AND PROPERTY NAME

address: 2490 SW Yew Ave ☐ apprx. addr

Redmond ☐ vcnty Deschutes County

Optional Information

assoc addresses:
(former addresses, intersections, etc.)

location descr:
(remote sites)

historic name:

current/
other names:

block nbr: _____ lot nbr: _____ tax lot nbr: _____

township: _____ range: _____ section: _____ 1/4: _____

zip: _____

PROPERTY CHARACTERISTICS

resource type: Building height (# stories): _____

elig. evaluation: not eligible/non-contributing

primary constr date: 1972 (c.) ☐ secondary date: _____ (c.) ☐
(optional--use for major addns)

primary orig use: Sinle Dwelling

secondary orig use: _____

primary style: _____

secondary style: _____

primary siding: _____

secondary siding: _____

plan type: _____

total # eligible resources: _____ total # ineligible resources: _____

NR status: _____

NR date listed: _____ (indiv listed only; see
Grouping for hist dist)

orig use comments: _____

prim style comments: _____

sec style comments: _____

siding comments: _____

architect: _____

builder: _____

comments/notes: **DIAL reports 1176sf residence built 1972 with three farm outbuildings built 2000. Common design, no obvious design or associative significance.**

GROUPINGS / ASSOCIATIONS

survey project name or other grouping name: COID Pilot Butte Canal APE Resources Other (enter description)

farmstead/cluster name: _____

external site #: _____

(ID# used in city/agency database)

SHPO INFO FOR THIS PROPERTY

NR date listed: _____

ILS survey date: _____

RLS survey date: 6/28/2023

Gen File date: _____

106 Project(s)



Looking South from Yew Ave.

Oregon Historic Site Form

21330 Young Ave
Redmond, Deschutes County

LOCATION AND PROPERTY NAME

address: 21330 SW Young Ave ☐ apprx. addr

Redmond ☐ vcnty Deschutes County

Optional Information

assoc addresses:
(former addresses, intersections, etc.)

location descr:
(remote sites)

historic name:

current/
other names:

block nbr: _____ lot nbr: _____ tax lot nbr: _____

township: _____ range: _____ section: _____ 1/4: _____

zip: _____

PROPERTY CHARACTERISTICS

resource type: Building height (# stories): _____

elig. evaluation: not eligible/non-contributing

primary constr date: 1975 (c.) ☐ secondary date: _____ (c.) ☐
(optional--use for major addns)

primary orig use: Sinle Dwelling

secondary orig use: _____

primary style: _____

secondary style: _____

primary siding: _____

secondary siding: _____

plan type: _____

total # eligible resources: _____ total # ineligible resources: _____

NR status: _____

NR date listed: _____ (indiv listed only; see
Grouping for hist dist)

orig use comments: _____

prim style comments: _____

sec style comments: _____

siding comments: _____

architect: _____

builder: _____

comments/notes: **DIAL reports 2584sf residence buitut 1975 with farm outbuilding built 1915. Site visit documents seemingly earlier (c1920s) much remodeled bungalow in multiple building agricultural complex.**

GROUPINGS / ASSOCIATIONS

survey project name or other grouping name COID Pilot Butte Canal APE Resources Other (enter description) _____

farmstead/cluster name: _____

external site #: _____

(ID# used in city/agency database)

SHPO INFO FOR THIS PROPERTY

NR date listed: _____

ILS survey date: _____

RLS survey date: 6/29/2023

Gen File date: _____

106 Project(s)



Looking NW (Google Image)



Oregon

Tina Kotek, Governor

Parks and Recreation Department

Oregon Heritage/
State Historic Preservation Office
725 Summer St. NE, Suite C
Salem, OR 97301-1266
(503) 986-0690
Fax (503) 986-0793
oregonheritage.org



December 11, 2023

Mr. Michael Petrozza
USDA-Natural Resources Conservation Service
1201 NE Lloyd Blvd., Ste 900
Portland, OR 97232

RE: SHPO Case No. 22-0850

NRCS, COID Pilot Butte Canal Pipeline Project

Closed conduit pipeline including staging, excavation, fusing, new pipe, backfill, restoration, reseeding
Multiple legals, Deschutes County

Dear Michael Petrozza:

Thank you for submitting information for the undertaking referenced above related to the preliminary inventory of the built environment within the Area of Potential Effect (APE). After review we do not have additional comments on the preliminary identification. We look forward to receiving the formal determinations of eligibility for historic properties within or adjacent to the APE, as necessary, and a formal finding of effect for the undertaking including both direct and indirect effects. If the APE or undertaking changes, notify our office as further consultation may be needed before proceeding with identification efforts.

If you have not already done so, be sure to consult with all appropriate Native American tribes and interested parties regarding the proposed undertaking especially in reference to Historic Properties of Religious and Cultural Significance to Indian Tribes (HPRCSITs) per 36 CFR Part 800.4(b). Additional consultation regarding this case must be sent through Go Digital. In order to help us track the undertaking accurately, reference the SHPO case number above in all correspondence.

Please contact our office if you have any questions, comments or need additional assistance.

Sincerely,

Robert T. Olguin

Robert Olguin
National Register Programs Coordinator
(503) 602-2468
Robert.Olguin@opr.d.oregon.gov

cc: Shane Phelps, Parametrix, Inc

Jennifer Hughes

From: Jo Reese
Sent: Monday, April 29, 2024 5:47 PM
To: 'D.L. Teeman'; 'EDWARDS Briece'; 'Tribal Historic Preservation Officer Warm Springs'; 'christina.rubidoux@klamathtribes.com'
Cc: Shane Phelps; Carmen Sarjeant; Meghan Johnson; 'Arch.PERMITS@opr.d.oregon.gov'
Subject: FW: Request for Review AP 3899 Central Oregon Irrigation District Pilot Butte Piping
Attachments: COID HPAs Resources Permit_Package 3-25-24.pdf

Good afternoon, Tribal Representatives!

I am emailing you all to let you know that AINW plans to conduct the **fieldwork** for the COID project in Deschutes County, some of which will be under this permit, **the week of May 13**.

We anticipate the permit being issued at least a week before the start of fieldwork. I am letting you know ahead of time, in case you wished to coordinate a visit during our fieldwork.

Please let me know if you have a question. Alternatively, you may contact Carmen when she is back on May 8.

Jo



Jo Reese, M.A., RPA | AINW President/Senior Archaeologist
 she/her
jo@ainw.com | C 971.409.6979

Archaeological Investigations Northwest, Inc.
 3510 NE 122nd Ave | Portland, OR 97230
 O 503.761.6605 ext. 207 | from Vanc. 360.696.7473 | ainw.com

From: PERMITS Arch * OPRD
Sent: Tuesday, April 2, 2024 4:38 PM
To: shbrant@hotmail.com; Justin.Risenmay@gmail.com; stevem8475@gmail.com; jacobjenkins12@hotmail.com; jcb@bunge.org; eking@bendoregon.gov; mstuart@bendoregon.gov; maverick1948@hotmail.com; D.L. Teeman <dltteeman.burns.paiute@gmail.com>; EDWARDS Briece <thpo@grandronde.org>; Tribal Historic Preservation Officer Warm Springs <thpo@ctwsbnr.org>; christina.rubidoux@klamathtribes.com
Cc: carmen@ainw.com
Subject: Request for Review AP 3899 Central Oregon Irrigation District Pilot Butte Piping

CONFIDENTIAL: information relating to the location of archaeological sites or objects may be found in the attached documents and must be kept confidential per ORS 192.345(11).

Attached is an archaeological permit application submitted by Carmen Sarjeant affiliated with Archaeological Investigations NW Inc. Oregon SHPO may not issue an archaeological permit without obtaining the approval of the landowner/land managing agency and appropriate tribes per ORS 390.235 (referred to as entities with review authority in associated OAR 736-051-0000 through 0090). This permit is being reviewed by the following organizations:

Lennie Brandt
 Justin Risenmay
 Stephen Mahaney, 1996 Mahaney Trust Et Al
 Jacob Jenkins, ATP LLC

Carol Bunge, Bunge Joint Revocable Trust
 Eric King, City of Bend
 David Millard, David & Karen Millard Rev Trust
 Diane Teeman, Burns Paiute Tribe
 Chris Bailey, Confederated Tribes of Grand Ronde
 THPO CTWSRO, Confederated Tribes of Warm Springs Reservation
 Chris Rubidoux, Klamath Tribes

As an entity with approval authority, your organization has the right to approve, condition, or object to the permit application per OAR 736-051-0000 to 0090.

Please use the attached form to approve, condition, or object to the permit application and return it to Arch.Permits@Oregon.gov. Permits are issued after the 30-day review period, if no objections have been received. The permit will be issued on the first business day after 5/2/2024. If we do not receive a response the permit will be issued without comment.

Applicants are encouraged to continue tribal coordination and tribes may request tribal coordination during the review period per OAR 736-051-0080(7)(c): *At the request of any tribe with approval authority over a permit application, the applicant shall continue to coordinate with them during the 30-day review period under subsection (a). Tribal coordination may include, but is not limited to, a discussion of the proposed archaeological investigations, research design, permit terms or conditions, reporting, tribal monitoring of the permit work, curation, inadvertent discovery contingency plans during the archaeological investigations, or any associated project design or development.*

SHPO processing of an archaeological permit application or any of its products, such as a report, does not constitute consultation for a project or undertaking and in no way suggests approval of the level of investigation necessary for a project or undertaking.

Please contact our office if you have any questions.

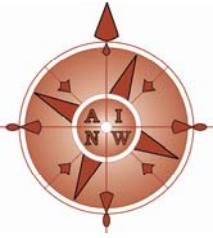
Sincerely,



Joshua L. Henderson (he, him, his) | Archaeology Survey & Inventory Coordinator

Oregon Heritage Division, Oregon Parks and Recreation Department
 State Historic Preservation Office
 Cell: (971) 718-2846
 725 Summer St NE, Ste C
 Salem, Oregon 97301

Visit our [website](#), Like us on [Facebook](#), Follow us on [LinkedIn](#), Visit our [Blog](#), Join the Oregon Heritage News [e-news](#).



Archaeological Investigations Northwest, Inc.

3510 N.E. 122nd Ave. • Portland, Oregon 97230
Phone (503) 761-6605 • Fax (503) 761-6620

Vancouver Phone (360) 696-7473
E-mail: ainw@ainw.com
Web: www.ainw.com

February 25, 2022

Mike Petrozza
Natural Resources Conservation Service, United States Department of Agriculture
1201 NE Lloyd Blvd
Suite 900
Portland, OR 97232

Subject: Central Oregon Irrigation District Pilot Butte Canal Pipeline Project
Request for Review of APE

Dear Mike,

The Central Oregon Irrigation District is seeking approval of the proposed Area of Potential Effects (APE) for its pipeline project of the Pilot Butte Canal between Bend and Redmond, Deschutes County, Oregon. Portions of the canal are currently open, and the project will address water loss in District conveyance systems, and water delivery and operation and maintenance inefficiencies. The project plans to replace the existing open portion of the canal with a closed conduit pipeline system. The project has three alignment options, and these are described in the proposed APE, attached.

The project will include mobilization and staging of construction equipment, delivery of piping to construction areas, excavation of trenches, fusing of pipelines, placement of pipe, compaction of backfill, and restoration and reseeding of the disturbed areas. Construction is proposed within the existing 30- to 60-m (100- to 200-ft) wide canal easement and within Deschutes County right-of-way. Staging areas have been proposed adjacent to the APE, but have not been finalized.

This letter is to provide information regarding the extent of the APE and to seek approval of the APE. Enclosed for your review is a description of the proposed APE for the project. Maps and aerial overviews of the project are included in the document. Once the APE is approved, AINW, on behalf of Parametrix, Inc. and the Central Oregon Irrigation District, will proceed with a cultural resource survey of the project.

Sincerely,

Carmen Sarjeant

CC: Shane Phelps, Parametrix, Inc.
Jo Reese, AINW
John L. Fagan, AINW

**CENTRAL OREGON IRRIGATION DISTRICT
PILOT BUTTE CANAL PIPELINE PROJECT
Area of Potential Effects (APE) Elements**

Vicinity map, Section/Township/Range, proximity to local landmarks, towns, etc.

A vicinity map for the project (Figure 1) and detailed maps of the APE (Figures 2 through 6) are attached. Descriptions and points of interest are listed below.

- The APE is located in Deschutes County, Oregon. The APE is within Sections 34 and 35 in Township 14 South, Range 13 East; Sections 3, 4, 9, 10, 16, 20, 21, 29, 30, and 31 in Township 15 South, Range 13 East; Section 6 in Township 16 South, Range 13 East; Sections 1, 11, 12, 14, 23, 26, 34, and 35 in Township 16 South, Range 12 East; and Sections 10, 15, 21, 22, 28, and 29 in Township 17 South, Range 12 East of the Willamette Meridian.
- The APE is centered on the Pilot Butte Canal and is approximately 28 kilometers (km) (17 miles [mi]) long, from Riverview Park at the Deschutes River, west of Division Street in Bend, to NE Yucca Avenue, northeast of Redmond.
- The APE follows the existing Pilot Butte Canal, except for the three options in Sections 10 and 15 of Township 17 South, Range 12 East, where the Pilot Butte Canal (Cooley Road – Yeoman Road segment) is a listed National Register of Historic Places (NRHP) Historic District and is a Goal 5 resource (Figures 2 and 3).
 - The Pilot Butte Canal Alignment option (Purple on Figures 2 and 3) would replace the open channel with pipe directly within the existing open channel alignment. This alignment option would be built wholly within the NRHP-listed section of canal would be approximately 2.4 km (1.5 mi) long.
 - The Old Deschutes Market Road option (Green on Figures 2 and 3) would place pipe in a new alignment beginning at intersection of the existing alignment and Yeoman Road. It would travel east along Yeoman Road and then turn northeast to follow Old Deschutes Market Road. Following Old Deschutes Market Road, the alignment would travel generally north, crossing the existing Pilot Butte Canal until the terminus of Old Deschutes Market Road. At the road's northern terminus, the alignment would then generally travel northeast across undeveloped land until making an approximate 90 degree turn to follow an alignment that extends from near the eastern terminus of Cooley Road to the southern terminus of the existing piped portion of the canal. This alignment option would be approximately 2.3 km (1.4 mi) long.
 - The NE 18th Street Alignment option (Red on Figures 2 and 3) would place pipe in a new alignment beginning at intersection of the existing alignment and Yeoman Road. It would travel west and then turn north to follow NE 18th Street. Following NE 18th Street, the alignment would travel generally north until the intersection of NE 18th Street and Cooley Road. At Cooley Road, the alignment option would take an approximate 90 degree turn to follow an alignment that extends from near the eastern terminus of Cooley Road to the southern terminus of the existing piped portion of the canal. The portion of the alignment from

Cooley Road would be identical to that of the Old Deschutes Market Road alignment. The NE 18th Street option would be approximately 3.1 km (1.9 mi) long.

- The Old Deschutes Market Road and NE 18th Street Alignment options would avoid impacts to a portion of Pilot Butte Canal that is listed on the NRHP.
- The APE excludes already piped sections of the canal to the northeast of Bend, and where the canal intersects and adjacent to Highway 97 to the north of, south of, and in Redmond (in Sections 3, 9, 16, and 21 in Township 15 South, Range 13 East; Sections 26 and 34 in Township 16 South Range 12 East; and Sections 3 and 10 in Township 17 South, Range 12 East, Willamette Meridian).
- The APE construction easement for the pipeline ranges between 30 and 60 meters (m) (100 and 200 feet [ft]) wide, and is 308 acres. Existing ditch rider roads within the APE will be used to access the canal.
- Portions of the APE are in urban areas of Bend and Redmond as well as in undeveloped areas between the two cities and northeast of Redmond (Figures 1 and 2).
- The APE is located on the northern edge of the High Lava Plains, close to the transition to the High Cascades, Columbia Basin, Blue Mountains, and Basin and Range physiographic provinces. The southern limit of the APE is adjacent to the Deschutes River. The soil mapped for the APE is Deschutes sandy loam; Stukel loam; Deskamp, Fremkle, Houstake, Statz, Tumalo and Wanoga ashy sandy loams; Gosney stony ashy loamy sand; and rock outcrops (U.S. Department of Agriculture, Natural Resources Conservation Service 2022). These soils are typically shallow with tuff or basalt bedrock between 36 and 76 centimeters (cm) (14 and 30 inches [in]) below the surface.

Information on known staging areas or pit sites that will be used

Staging of materials and equipment is planned to occur within the proposed APE or on parcels adjacent to the APE (Figures 2 through 6). Fifteen staging areas under consideration, totaling 136 acres, are proposed adjacent to the APE, *and are not included in the current APE*. The cultural resource survey will not include these proposed staging areas. A background review for the staging areas will be provided in the archaeological resource survey report. Once the staging areas are finalized, they will be surveyed.

Results of database searches

The Oregon Archaeological Records Remote Access (OARRA) was reviewed for previously conducted cultural resource studies and previously recorded archaeological resources within the APE. The Pilot Butte Canal is a historic resource within the APE. The Purple option for the APE on Figure 3 follows the NRHP-listed segment of the Pilot Butte Canal (Hall and Kliewer 2014).

Small portions of the APE have been previously surveyed (Bland et al. 2005; Connolly 1996; Fagan et al. 2013; Follansbee 1976; Fulton and Fulton 1999; Helzer 2004; Henrickson 2003a, 2003b; McAlister and Connolly 2019; Sharp 1997; Sharp et al. 1998; Silvermoon 1990; Wopschall 2014). Six of these studies identified cultural resources within 100 m (238 ft) of the APE, and are described below. Northeast of the APE, AINW conducted a survey of the canal, and identified no archaeological resources (Johnson and Fagan 2020).

Ten archaeological sites are within 100 m (328 ft) of the APE:

- Site 35DS1934 is the Oregon Trunk Railway that intersects the southern portion of the APE. The site was recommended to be eligible for listing in the NRHP (Sharp 1997; Sharp et al. 1998).
- Site 35DE2577 is a segment of the Old Pilot Butte Canal than extends south of the southern portion of the APE. The site is unevaluated for listing in the NRHP (Wopschall 2014).
- Site 35DS1619 consists of historic-period structures, including a rock wall and wooden enclosure, near where the APE intersects OR 97. The site is unevaluated for listing in the NRHP (Henrickson 2003b).
- Site 35DS1736 is the Redmond Homestead along OR 97 in Redmond is adjacent to the APE. The site contained early twentieth century artifacts, and is unevaluated for listing in the NRHP (Bland et al. 2005).
- North of the piped section of the canal, 50 m (164 ft) east of APE, two historic-period can scatters (sites 35DS1931 and OR-05-267) were identified. Site 35DS1931 was recommended to be not eligible for listing in the NRHP, and site OR-05-267 is unevaluated (Christy 2008; Thomas 1983).
- Pre-contact sites 35DS1620 and 35DS1959 are 100 m (328 ft) east of the APE near where the APE intersects OR 97. Testing has been conducted, and both sites were recommended to be eligible for listing in the NRHP (Edwards 2004).
- The historic-period Empire Avenue Lateral Canal (35DS2305), 100 m (328 ft) west of the southern portion of the APE, is unevaluated for listing in the NRHP (Horne and Tonsfeldt 2012).
- The Huntington's Wagon Road is also shown on OARRA immediately east of the Green APE option on Old Deschutes Market Road.
- Two pre-contact and four historic-period isolated artifacts have also been recorded adjacent to the APE (Bland et al. 2005; Edwards 2004; Lipscomb 1992).

Proposed Cultural Resource Survey Methods

A cultural resource survey will be conducted for the project. The historic resources survey will be conducted by George Kramer, and AINW will conduct the archaeological survey.

The cultural resource survey will consist of a pedestrian survey to identify and document historic and archaeological resources. Shovel testing will be conducted in areas where an archaeological resource is likely.

- A pedestrian survey of transects spaced no more than 15 m (49 ft) apart is planned for the APE. If artifacts are identified during the fieldwork, they will be photographed and documented, but not collected.

- Shovel tests will be 30 cm (12 in) in diameter and will be excavated by hand to a minimum depth of 50 cm (20 in) below the surface. If areas are encountered that may have deep soil deposits, selected shovel tests may be augured to 200 cm (80 in) below the surface to test for the presence of deeply buried archaeological resources. Excavated soils will be screened using nested 6.4- and 3.2-millimeter (¼- and ⅛-in) mesh hardware cloth. If artifacts are identified during the shovel testing on private land, they will be photographed and documented, but not collected. If artifacts are identified during shovel testing on non-federal public land, they will be collected under an Oregon SHPO permit.
 - The 50-cm determination depth was chosen because previous testing and evaluation at nearby sites 35DS1620 and 35DS1959 identified the greatest density of cultural material between the surface and 40 cm (16 in) below the surface. Below 50 cm (20 in), the soils are reportedly extremely compact with basalt boulders, although some cultural deposits continued to a depth of 70 cm (28 in) below the surface (Edwards 2004). Other studies within 1.6 km (1 mi) of the APE identified cultural materials during subsurface testing in the upper 50 cm (20 in) (Fagan et al. 2013; Gray and Tonsfeldt 2009).
- A historic resource survey report and an archaeological survey report will be prepared.

Simple plan showing the scope of work

Please see Figures 2 through 6 showing the project APE, which will include all areas within which ground-disturbing activities will occur. The proposed staging areas are not finalized, and are not within the current APE.

Potential visual or noise impacts

Potential for visual or noise impacts would be assessed in the vicinity of historic properties.

Areas of ground disturbance, plus rough estimates of excavation

Construction will include mobilization and staging of construction equipment, delivery of piping to construction areas, excavation of trenches, fusing of pipelines, placement of pipe, compaction of backfill, and restoration and reseeding of the disturbed areas. Excavation will be up to 6 m (20 ft) deep along the proposed length of the 28 km (17 mi) to be piped. Construction will take place within the existing 30- to 60-m (100- to 200-ft) wide canal easement for the primary alignment and for the Pilot Butte Canal Alignment option. Construction will take place within Deschutes County right-of-way for the Old Deschutes Market Road Alignment and NE 18th Street Alignment options. The existing ditch rider roads will be used for access.

The Central Oregon Irrigation District is considering several pipe materials for the high-pressure pipes, ranging from 274 to 335 cm (108 to 132 in) in diameter. Pipe installation would require storage areas for pipe, construction equipment, and other materials. Areas that have been previously disturbed and that are accessible through existing access routes will be used when possible. Staging areas have been proposed adjacent to the APE, but have not been finalized.

References

- Bland, Richard L., Christopher L. Ruiz, and Thomas J. Connolly
 2005 *Report of Exploratory Archaeological Survey at the Redmond Reroute Project, Deschutes County (ODOT Key #13940)*. University of Oregon Museum of Natural & Cultural History Report No. 2005-231. Submitted to Oregon Department of Transportation, Salem.
- Christy, Steve
 2008 *Oregon Cultural Resources Survey Report for the Federal Land Transaction Facilitation Act Project, Redmond, Oregon*. Bureau of Land Management Report No. 05050600462P, Prineville, Oregon.
- Connolly, Thomas J.
 1996 *Archaeological Survey of the Peterson Rock Garden Material Source, Deschutes County*. University of Oregon Museum of Natural & Cultural History Report. Submitted to Oregon Department of Transportation, Salem.
- Edwards, Ian
 2004 *Test Excavations at Sites 35DS1620 and 35DS1659, Bridge 01675B, Pilot Butte Canal, US 97, mp. 129.72, Deschutes County, Oregon*. University of Oregon Museum of Natural & Cultural History Report. Submitted to Oregon Department of Transportation, Salem.
- Fagan, John L., Andrea Blaser, and Sara Davis
 2013 *US 97 Bend North Corridor Solutions: Final Archaeological Resources Technical Report*. Archaeological Investigations Northwest, Inc. Report No. 2499. Prepared for Oregon Department of Transportation, Region 4, Deschutes County, Oregon.
- Follansbee, Julia
 1976 *Report on Archaeological Resources Bend Area Sewerage Facilities Plan Deschutes County, Oregon*. On file, State Historic Preservation Office, Salem, Oregon.
- Fulton, Terri P., and Philip A. Fulton
 1999 *Supplemental Site Investigations for the FTV Western Build, Oregon*. Northwest Archaeological Associates, Inc. Prepared for Touch America, Inc., and David Evans & Associates, Inc., Seattle, Washington.
- Gray, Dennis J., and Ward Tonsfeldt
 2009 *Canal Construction on The High Lava Plains: Testing and Mitigation of Site 35DS1929, Deschutes County, Oregon*. Prepared by East Slope Cultural Services, Inc., Bend, Oregon. Prepared for David Evans and Associates, Bend, Oregon.
- Hall, Michael A., and Patricia A. Kliewer
 2014 *National Register of Historic Places Nomination Form for the Pilot Butte Canal Historic District*. On file, State Historic Preservation Office, Salem, Oregon.
- Helzer, Margaret M.
 2004 *Archaeological Survey (Phase I) of Maple-Negus Project, Deschutes County*. University of Oregon Museum of Natural & Cultural History Report. Submitted to Oregon Department of Transportation, Salem.

Henrickson, Suzann

2003a *Archaeological Survey of Bridge 08888 (North Unit Canal and Swalley Canal, US 97, at MP 136.5), Deschutes County, Oregon*. University of Oregon Museum of Natural & Cultural History Report. Submitted to Oregon Department of Transportation, Salem.

2003b *Bridge 01675B (Pilot Butte Canal, US 97, milepoint 129.72), Deschutes County, Oregon*. University of Oregon Museum of Natural & Cultural History Report. Submitted to Oregon Department of Transportation, Salem.

Horne, Stephen, and Ward Tonsfeldt

2012 *Cultural Resources Survey: 2012 Transportation Improvement Projects Transportation Go Bond Program, City of Bend, Oregon*. Prepared by Basin and Range Heritage Consultants, Terrabonne, Oregon. Prepared for HDR, Inc., Bend, Oregon

Johnson, Meghan, and John L. Fagan

2020 *Archaeological Survey for the Central Oregon Irrigation District Piping Project, Deschutes County, Oregon*. Archaeological Investigations Northwest, Inc. Report No. 4442. Prepared for Central Oregon Irrigation District, Redmond, Oregon.

Lipscomb, Christine K.

1992 *Bend Pine Nursery's Yeoman Field Survey Cultural Resource Inventory Report*. Prepared by Bend Ranger District, Deschutes National Forest, Oregon.

McAlister, Kaylon, and Thomas Connolly

2019 *US 97: Redmond-Bend Survey, Deschutes County (ODOT Key 20357)*. University of Oregon Museum of Natural & Cultural History Report 2019-043. Submitted to Oregon Department of Transportation, Salem.

Sharp, Nancy D.

1997 *Cultural Resources Inventory of the Proposed FTV Western Build Part 1: Oregon, Preliminary Report*. Northwest Archaeological Associates, Inc., Seattle, Washington. Prepared for Touch America, Inc., and David Evans & Associates, Inc., Seattle, Washington.

Sharp, Nancy D., Terri P. Fulton, Philip A. Fulton, and Kenneth E. Juell

1998 *Cultural Resources Inventory of the Proposed FTV Western Build Part 1: Oregon, Volume 1*. Northwest Archaeological Associates, Inc., Seattle, Washington. Prepared for Touch America, Inc., and David Evans & Associates, Inc., Seattle, Washington.

Silvermoon, Jon Massoglia

1990 *Archaeological Survey of the Bend Parkway, The Dalles-California Highway, Deschutes County*. INFOTEC Research, Inc., Eugene, Oregon. Prepared for Oregon Department of Transportation, Salem, Oregon.

Thomas, Suzanne Crowley

1983 *Cultural Resource Survey Report for the Deschutes County Land Exchange*. United States Department of the Interior Bureau of Land Management, Prineville, Oregon.

U.S. Department of Agriculture, Natural Resources Conservation Service

2022 *Web Soil Survey*. Electronic database, <https://websoilsurvey.sc.egov.usda.gov/App/HomePage.htm> accessed January 31, 2022.

Wopschall, Kayla

2014 *Phase I Archaeological Survey and Historic Report, Canal ROW Park, Butler Market Road and Brinson Boulevard, City of Bend, Deschutes County, Oregon.* Prepared by WHPacific, Inc, Bend, Oregon. Prepared for Bend Park and Recreation District, Oregon.

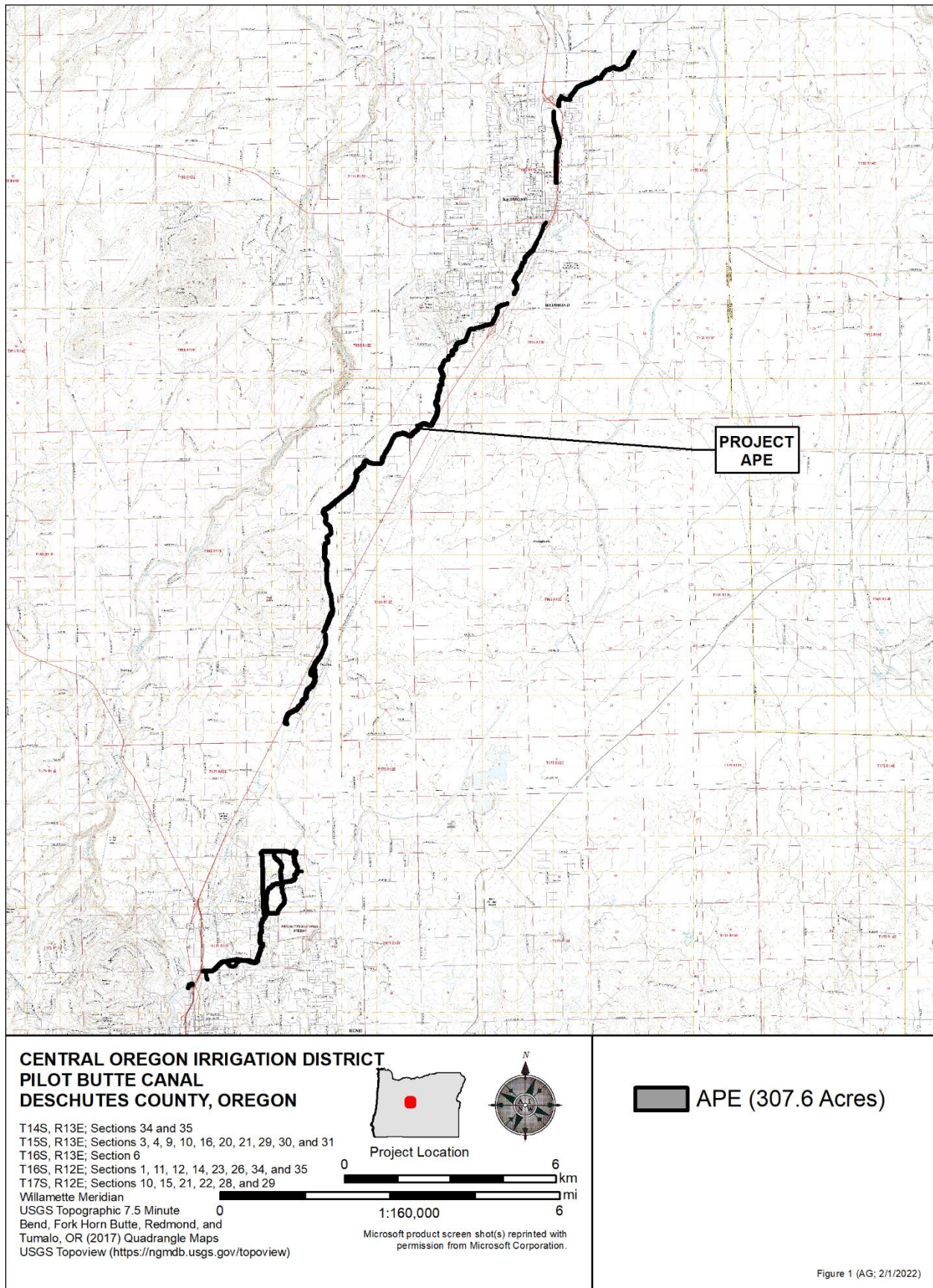


Figure 1. Location of the Central Oregon Irrigation District Pilot Butte Canal project APE in Deschutes County, Oregon.

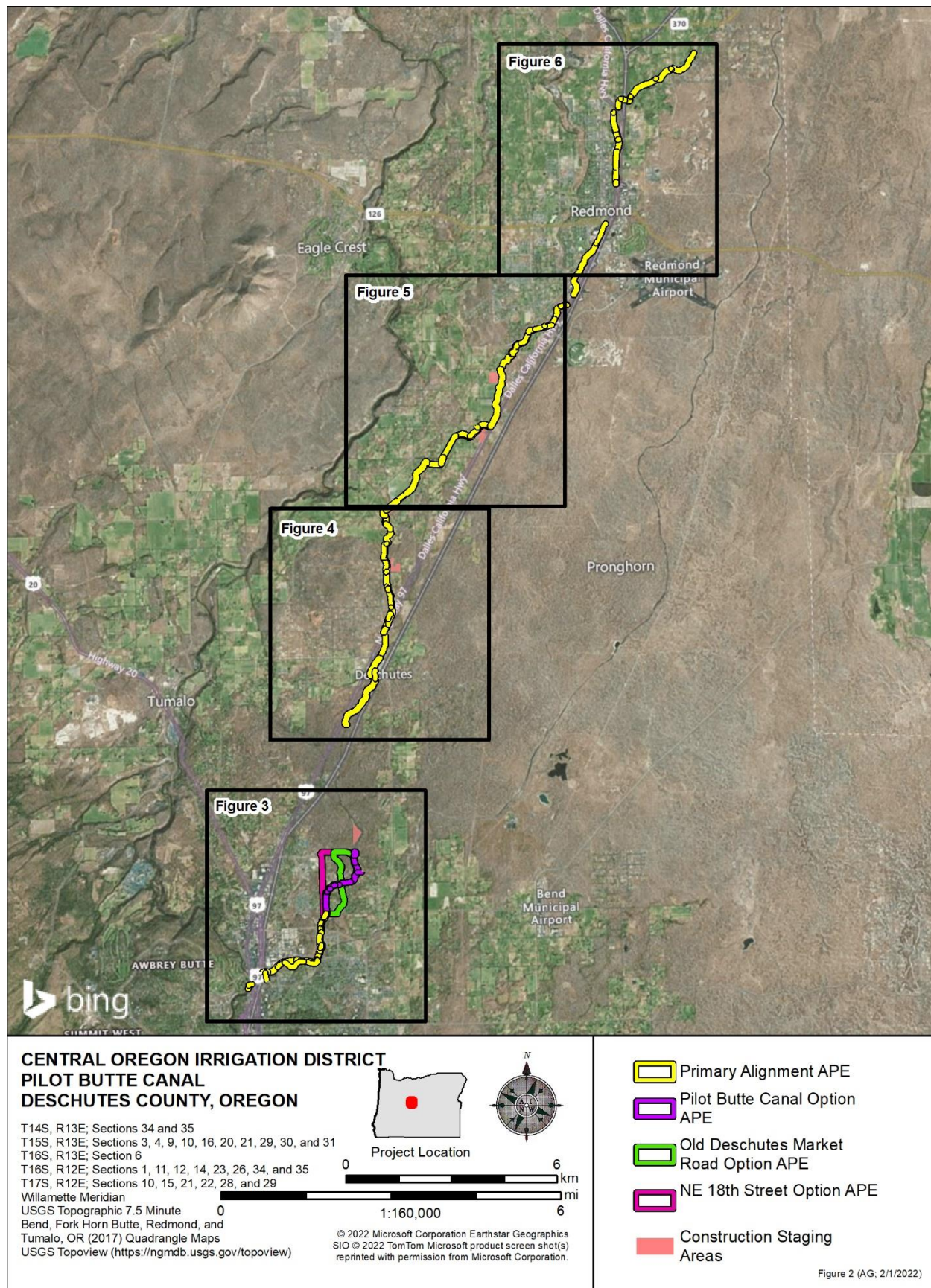


Figure 2. Aerial overview of the Central Oregon Irrigation District Pilot Butte Canal project APE in Deschutes County, Oregon.

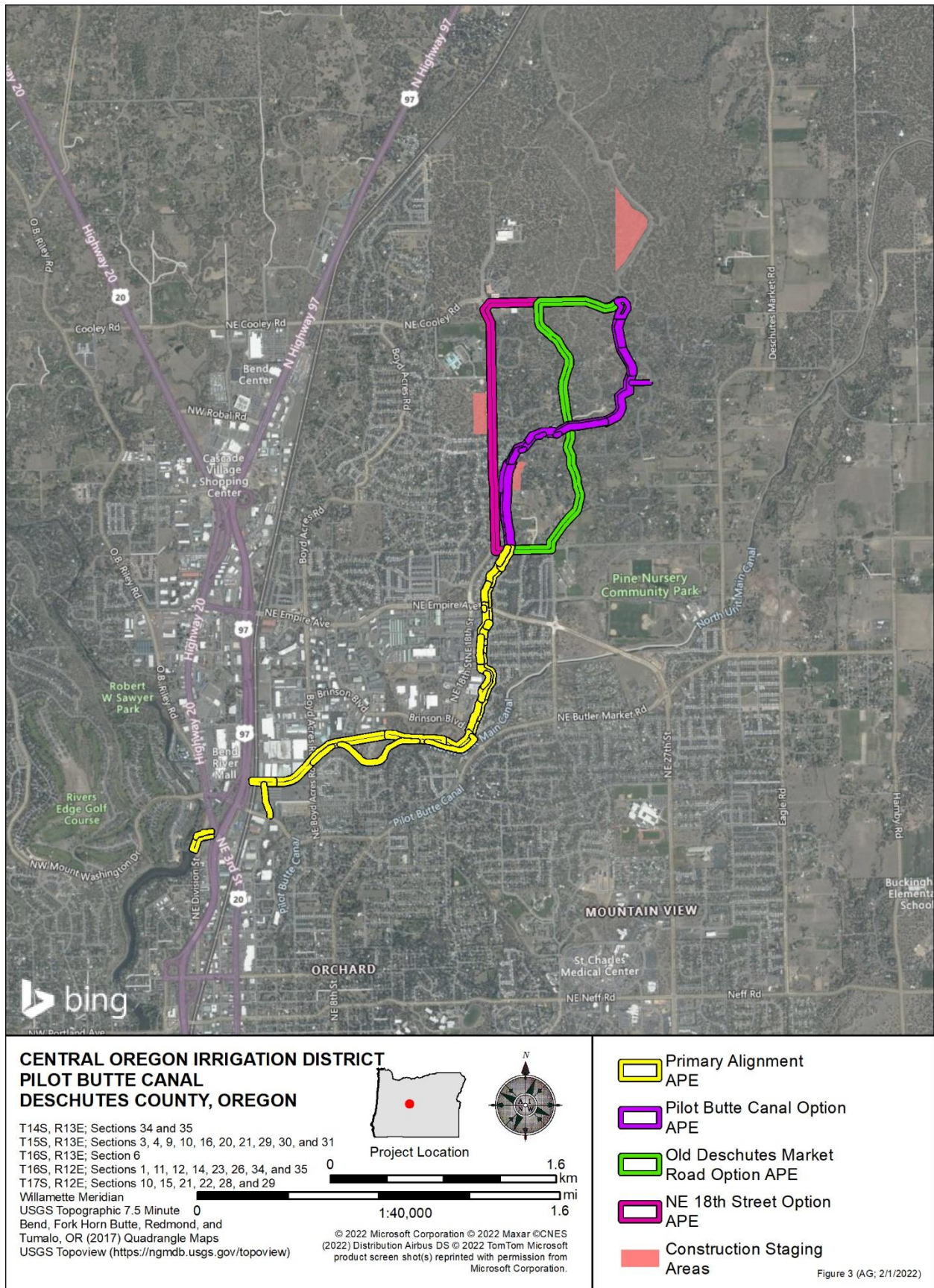


Figure 3. Aerial overview of the Central Oregon Irrigation District Pilot Butte Canal project APE, showing the portion of the project with three APE options.

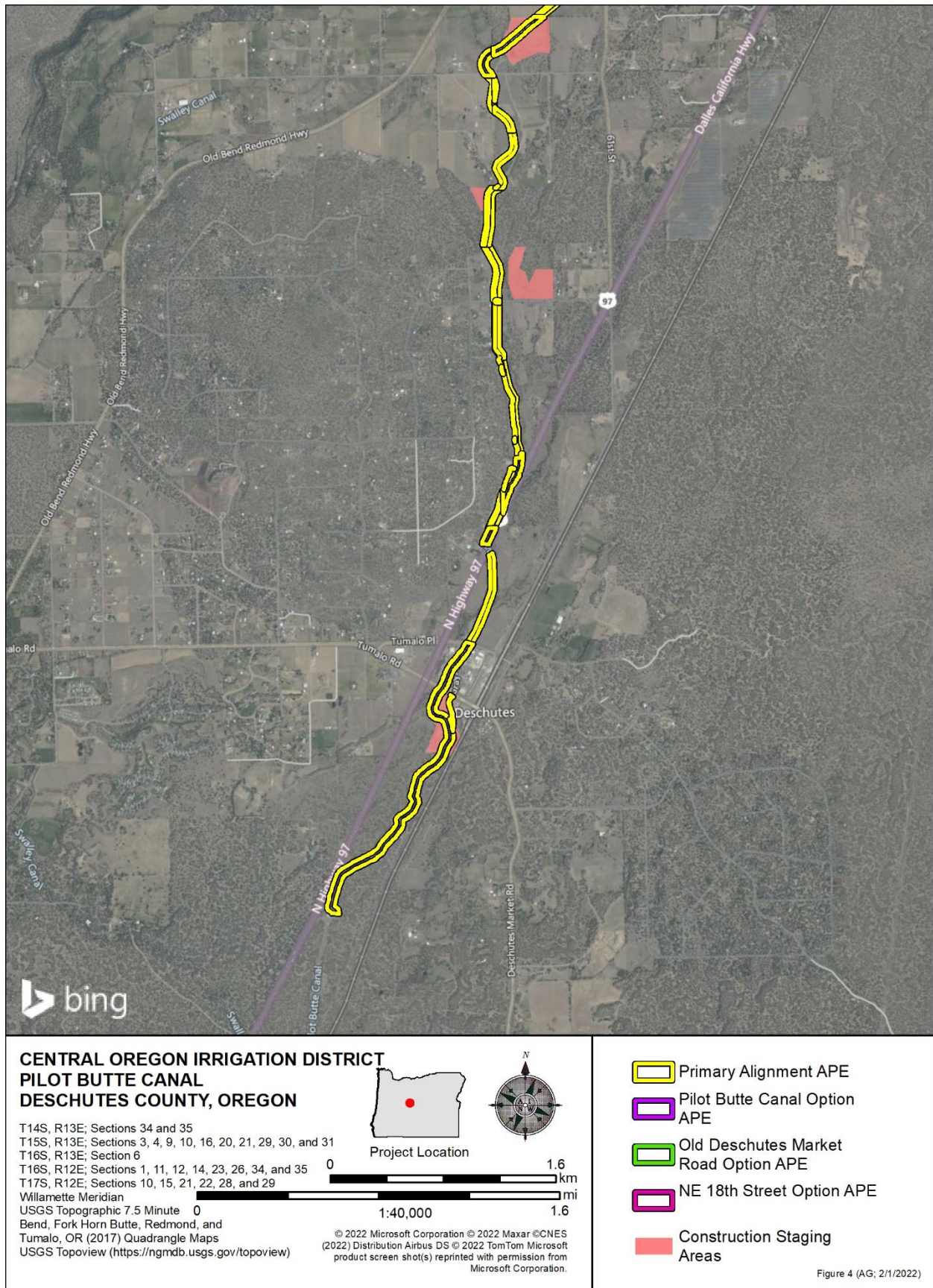


Figure 4. Aerial overview of the Central Oregon Irrigation District Pilot Butte Canal project APE.

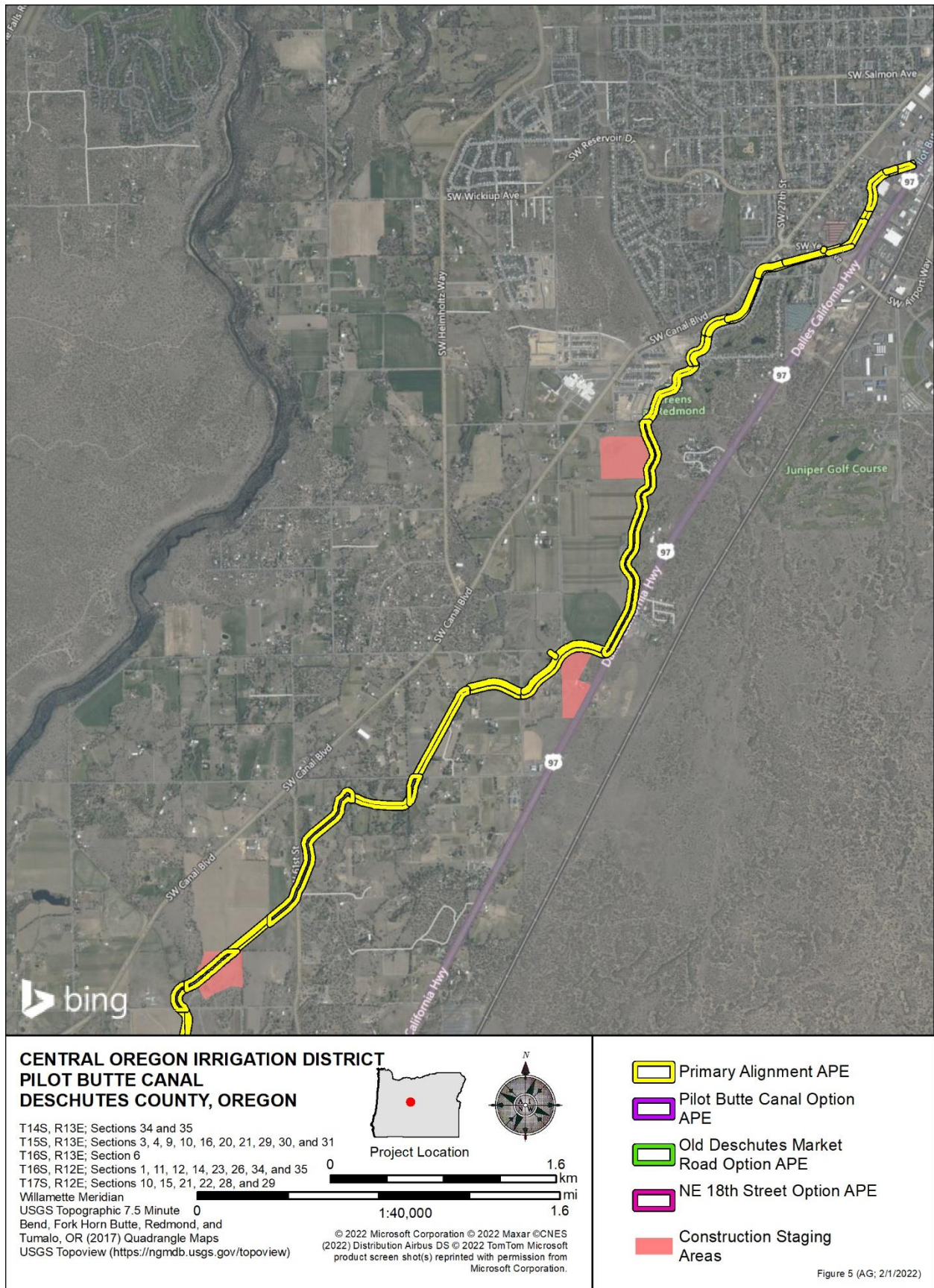


Figure 5. Aerial overview of the Central Oregon Irrigation District Pilot Butte Canal project APE.

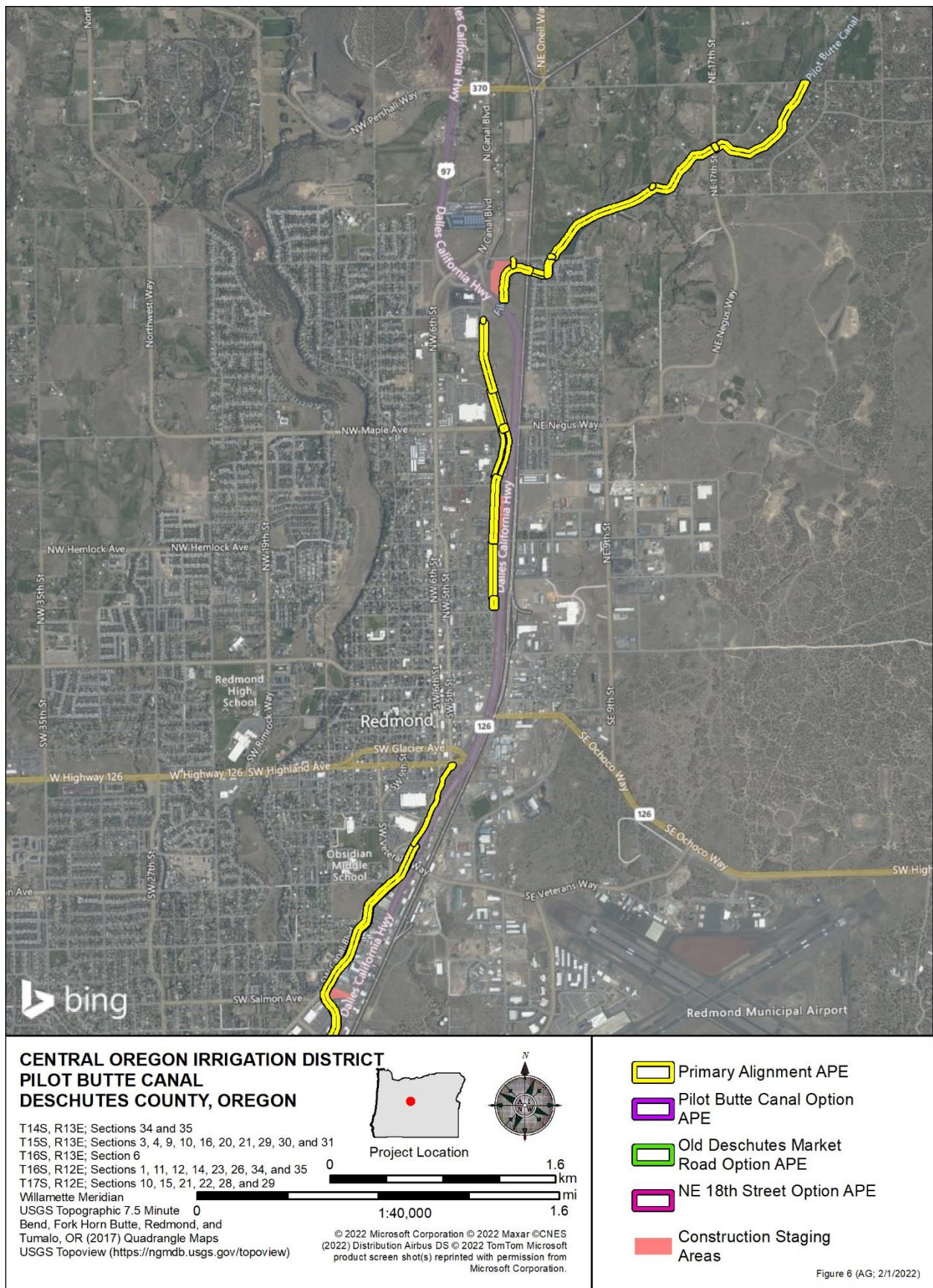


Figure 6. Aerial overview of the Central Oregon Irrigation District Pilot Butte Canal project APE.

Jennifer Hughes

From: Gebauer, Rachel - FPAC-NRCS, OR <rachel.gebauer@usda.gov>
Sent: Thursday, September 5, 2024 9:50 AM
To: CLEARANCE ORSHPO * OPRD
Cc: Shane Phelps; george@preserveoregon.com; Diridoni, Gary - NRCS, Portland, OR
Subject: USDA-NRCS Submittal OTR PBC Railway Crossings
Attachments: Sub Frm_OTR_PBC_RailwayCrossings.pdf; 106 Frm_OTR-PBC Railroad Crossing NE Butler Market Rd.docx; 106 Frm_OTR-PBC Railroad Crossing NE King Way.docx; Cvr Let_OTR_PBC_RailwayCrossings.pdf

Hello,

Attached are documents in support of a built environment review for two Oregon Trunk Railway- Pilot Butte Canal Railway Crossings in Deschutes County.

Thank you,

Rachel

Rachel Smith Gebauer M.A., RPA ([she/her](#))

Acting State Cultural Resource Specialist/ Archaeologist

1945 Main St., Suite 200, Klamath Falls, Oregon 97601



Natural Resources Conservation Service

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United States Department of Agriculture

Natural
Resources
Conservation
Service

1945 Main St.
Suite 200
Klamath Falls, OR

September 5, 2024

SHPO Compliance
State Historic Preservation Office
725 Summer Street, NE, Suite C
Salem, Oregon 97301-1226

Subject: Oregon Trunk Railway- Pilot Butte Canal Crossings
Deschutes County, Oregon

In compliance with the National Historic Preservation Act of 1966 (as amended), 36 CFR Part 800.11(d), Natural Resources Conservation Service would like to initiate consultation with the Oregon State Historic Preservation Office for two railway crossings on the Pilot Butte Canal, in Redmond (NE King Way/PBC Canal) and Bend (NE Butler Market Rd/ PBC Canal), Deschutes County.

These Section 106 Documentation Forms, while related to the proposed PBC piping project, are submitted independently of the on-going consultation process for the piping of the Pilot Butte Canal itself.

The included Section 106 Documentation Forms are for surveys completed by George Kramer, Kramer & Company, for the Central Oregon Irrigation District. Both railroad crossings are determined Eligible under Criterion A, as part of a district, with a finding of **No Adverse Effect** on the Oregon Trunk Railway Linear District for proposed modifications.

NRCS concurs with the determinations of eligibility and findings of effect submitted for the identified Oregon Trunk Railway Crossings at NE King Way and NE Butler Market Rd.

Sincerely,

Rachel LS Gebauer

Rachel Smith Gebauer, M.A., RPA
Acting State Cultural Resources Specialist

CC: Gary Diridoni, NRCS ASTC for Watershed Resources

OREGON INVENTORY OF HISTORIC PROPERTIES
SECTION 106 DOCUMENTATION FORM
Individual Properties

Property Name: Oregon Trunk Railway-PBC Crossing (NE Butler Market Rd)	Street Address: NE Butler Market Rd/PBC Canal	City, County: Bend, Deschutes County
Project Name: COID-Pilot Butte Canal Piping Project		Agency project #:
Agency: COID/NCRS		SHPO Case#: 22-0850
Location Coordinates (to sixth decimal place): Latitude: 44.080104 Longitude: -121.300505		Is the property listed in the National Register of Historic Places? ☐ YES – Individually ☒ NO ☒ YES – In a district (DOE 2011)



OTR Line, Crossing Pilot Butte Canal near NE Butler Market Road, Looking NW (August 2024)

Surveyor: George Kramer, Kramer & Company, for COID/Parametrix Inc.		Date Recorded: August 2024
National Register Findings: ☒ Eligible: ☐ Individually ☒ As part of District NR Criteria: ☒ A ☐ B ☐ C ☐ D ☐ Not Eligible: ☐ Irretrievable integrity loss ☐ Not 50 Years ☐ Fails to meet NR Criteria		Finding of Effect: ☐ No Effect ☒ No Adverse Effect ☐ Adverse Effect
State Historic Preservation Office Comments – Official Use Only: Eligibility: ☐ Concur ☐ Do Not Concur: Effect: ☐ Concur ☐ Do Not Concur:		
RECEIVED STAMP		
Signed _____		Date _____
CONTACT INFORMATION STAMP		
Comments:		

OREGON INVENTORY OF HISTORIC PROPERTIES
SECTION 106 DOCUMENTATION FORM
Individual Properties

Property Name: Oregon Trunk Railway-PBC Crossing (NE Butler Market Rd)	Street Address: NE Butler Market Rd/PBC Canal	City, County: Bend, Deschutes County
Original Use: Transportation: Rail-Related (Bridge)		Number of Associated Resources:
Architectural Classification / Resource Type: Utilitarian		Owner: ☐ Private ☒ Local Government ☐ State ☐ Federal
Window type and Materials: N/A	Exterior Surface Materials: Primary: Concrete Secondary: Decorative:	
Roof Type and Materials: N/A		
Integrity: ☐ Excellent ☐ Good ☒ Fair ☐ Poor		Construction Date: 1911 (as modified) (☐ Circa)
		Architect/Builder (if known):

Description of Property (including previous alterations & approximate dates):

The Oregon Trunk Railway/Pilot Butte Canal Crossing at NE Butler Market Road carries the line of what is now the Burlington Northern Santa Fe (BNSF) railroad over the Pilot Butte Canal (PBC), a major component in the Central Oregon Irrigation District (COID) system. The crossing is supported by formboard poured-in-place concrete sidewalls that rise above the gunite-lined PBC canal for approximately 20 feet, 700 feet north of NE Butler Market Road in Bend, Deschutes County, Oregon. The rail crossing itself, approximately 14-feet in length (the width of the canal) is a reinforced concrete slab with a single track, as modified (n.d.).¹ A walkway on the upstream face is supported by pressure treated wood (n.d.)

The construction history of the OTR/PBC crossing is unclear but the concrete supports that rise above the canal are assumed to have been built as part of the original construction of the rail line by the Oregon Trunk Railroad, which entered Bend in September 1911. The crossing, the span between these early supports is clearly not original and is of more recent, if undated, construction.

Determination of Eligibility, Justification, and Sources (Use continuation sheets if necessary):

The Oregon Trunk Railway (OTR), completed in 1911 between Wishram, Washington to Bend by James J. Hill's Great Northern Railroad, played a pivotal role in the development history of central Oregon. "The OTR line expanded shipping capabilities for stock ranchers in the region while creating new opportunities for large-scale producers of wood products to operate in Bend during the early twentieth century" (Held, 2011:2). While at one time carrying both passenger and rail traffic, the OTR line, now operated by BSNF, today remains the only freight carrier in Central Oregon.

The race to construct a railroad through Central Oregon during the early 20th century resulted in a "war" between E. H. Harriman's Union Pacific empire and the Great Northern Railway, owned by James J. Hill. Both men were legendary and their powerful companies fought to serve the growing region north of Bend. Harriman's Des Chutes Railroad began construction in 1906 while Hill's Oregon Trunk Railway started three years later. Their battle for the region, known as the Deschutes River Railroad War," was the last of many confrontations between the two rail barons and their surrogates (Speroff, 2007:xiii). "The Hill system obviously had some thought that line would ultimately be extended to California and thus built to relatively high standards" (Due & Rush, 1991:77).

By February 1911 construction of the Oregon Trunk Railway, Hill's line, under the direction of chief engineer John F. Stevens, had pushed 110 miles south from Wishram and was approaching Madras. "Grading between

¹ A second rail crossing, carrying the OTR over the North Unit Irrigation Canal, is located just south of the subject PBC crossing. The NUID crossing, separately built and operated from the COID system, is not documented here or impacted by the proposed project.

OREGON INVENTORY OF HISTORIC PROPERTIES
SECTION 106 DOCUMENTATION FORM
Individual Properties

Property Name: Oregon Trunk Railway-PBC Crossing (NE Butler Market Rd)	Street Address: NE Butler Market Rd/PBC Canal	City, County: Bend, Deschutes County
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Madras and Bend, a distance of 45 miles, is well along and construction will proceed rapidly to Crooked River” (*Oregonian*, 4-Feb-1911, 3:1-3). By September 1911 track had reached Redmond, which celebrated with on “Railroad Day,” with a parade and an “imposing arch of welcome” on 6th Street, decorated with agricultural products from the section (*Redmond Spokesman*, 21-Sept-1911, 1:1-3).

The line reached Bend less than a month later, which was celebrated with two days of activities, culminating in the driving of a golden spike by James J. Hill himself (*Bend Bulletin*, 27-Sept-1911, 1:3-4). “The celebration of the last spike on October 5, 1911, drew a crowd of 1,500 to 2,000 people, an impressive gathering given that the Bend had only 536 people” (Speroff, 2007:139).\

The arrival of the railroad in Bend and Redmond, connecting these cities to markets to the north, were, transformative, bringing new industry, new residents and, in concert with the development of irrigation, expanded agriculture. “The first ingredient in this transformation was the railroad” (DCHS, 2004:35). Bend’s population grew from 536 people in 1910 to 5,415 in 1920. Growth in Redmond followed a similar, if less dramatic arc, more than doubling from 218 in 1910 to 585 ten years later.

The significance of the OTR and its role in the development of Bend and the Central Oregon region has been previously evaluated as part of several proposed federally funded undertakings. In 2009 an archeological survey found a 7.5 mile long segment of the OTR south of Redmond significant under multiple criterion in association with construction of 19th Street (Griffin and O’Neill, 2009). In 2011, in connection with proposed work on US Highway 97, a segment of the rail line beginning in Section 28 of Township 17S, Range 12E, and continuing “...near the North/Pilot Built Canal in Section 3” of the same township was evaluated for historic significance. That document concluded “The surveyed section of the OTR is recommended eligible for listing in the National Register of Historic Places under Criterion A *as a contributing feature to a potential OTR linear historic district*” (Held, 2011, emphasis added). Held elaborated that the linear district, spanning 157 miles from Wishram (WA) to Bend, was the oldest portion of the OTR, retaining its historic alignment and ballast. “Modern transportation improvements have necessitated new street crossing at various points along the historic alignment” (Held, 2011). Oregon SHPO concurred with the finding on January 27, 2011.

In 2015 a nine-mile long section of the OTR between Romaine Village Way and Lava Butte Lane, south of the OTR Depot in Bend, was evaluated by the Oregon Department of Transportation. That study reconfirmed the historic significance of the segment within a larger linear district under Criterion A for its association with the growth of Central Oregon and its continuing economic role in the regional economy (Rudnicki, August 2015). Oregon SHPO concurred with the finding on October 5, 2015.

OTR/PBC Crossing at NE Butler Market Road

While the subject crossing was not specifically documented in period accounts of construction of the OTR south of Redmond and into Bend in 1911, the Pilot Butte Canal was first developed between 1903-1904 and as the OTR construction moved south would have required a crossing at this location. The current concrete abutments and sidewalls are assumed to be original. Modifications to the depth of the canal (or changes to the elevation of the railroad grade) required added height to the supports, creating the current condition of the resource. The roadbed itself, carrying the single track, is of what appears to be a pre-cast concrete slab, a later, if undated, modification.

The OTR/PBC Crossing, as an original element of the Oregon Trunk Railroad line, although modified, is considered eligible as part of the linear OTR District as defined by the Oregon State Historic Preservation Office in 2011 and re-confirmed in 2015. The crossing, carrying the railroad line over the Pilot Butte Canal, remains on the original right-of-way and continues its original function.

OREGON INVENTORY OF HISTORIC PROPERTIES
SECTION 106 DOCUMENTATION FORM
Individual Properties

Property Name: Oregon Trunk Railway-PBC Crossing (NE Butler Market Rd)	Street Address: NE Butler Market Rd/PBC Canal	City, County: Bend, Deschutes County
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The OTR/PBC Crossing, a modest structure of limited size and design value, was not noted in any located period accounts of the line's construction, despite that construction being a focus of considerable interest in the Bend-Redmond area in 1911. Available histories of the "Deschutes River Railroad War" fail to mention anything related to the crossing or the intersection of the Pilot Butte Canal and the rail line. Most, like Speroff, focus entirely on the larger and far more significant spans over the Columbia, Crooked and Deschutes rivers.²

Evaluation of Significance

The OTR/PBC Crossing, an original and integral element of the construction of the OTR line between Redmond and Bend, is considered eligible as an element of the 157-mile long Oregon Trunk Railway line between Wishram, Washington and Bend, Oregon, for its Criterion A role in the continued function of the rail line.

Modest in scale, of typical construction and modified over time, the OTR/PBC Crossing retains integrity of association and location, with lesser integrity in design and workmanship. Integrity of materials and feeling have been reduced, due to changes and upgrades over time.

The OTR/PBC Crossing is considered not eligible *individually*, as it lacks any specific association or design meeting NR eligibility criteria. The OTR/PBC Crossing is considered ELIGIBLE under Criterion A as an element of the linear Oregon Trunk Railway district.

Description of project scope, and nature and extent of impacts:

The Pilot Butte Piping Project as proposed by COID, currently in the environmental impact study phase, proposes to pipe all or most of the Pilot Butte Canal for approximately 18-21 miles from NE 17th Street in Redmond, Oregon the diversion point from the Deschutes River, in Bend, Oregon. The project would follow the existing PBC alignment in the segment north of NE Butler Market Road, including the OTR/PBC Crossing, converting the existing open canal to a covered, piped, feature. The existing elevated crossing at the intersection of the OTR and the PBC would be visually and become a single track on an elevated grade.

Finding of Effect and justification:

The proposed piping of the PBC project will have an effect on the Oregon Trunk Railway through the removal of the existing bridge slab that carries the rail line over the canal. The existing concrete footings and abutments will remain, with the new 11'-0" diameter set within the canal channel and covered with fill, to the existing railroad grade. The project will require the reconstruction of the existing feature by infilling the canal and transforming the crossing to, essentially, a continuation of the rail line at grade at its intersection with the piped Pilot Butte Canal below.³

The proposal will have a physical and visual effect on the Oregon Trunk Railway, transforming this short section within the historic right-of-way from a crossing to, visually, a simple continuation of the rail corridor although the historic abutments will remain below fill.

An analysis of effect finds that while the project as proposed will have an effect on a historic resource, the Oregon Trunk Railway, resulting in visual and physical modifications to this 15-foot long portion of the right-of-way, it does not impact any character defining feature of the resource and will not, in any significant manner, impact the

² The index in Speroff's classic study does not include any mention of COID or the Pilot Butte Canal. Irrigation is only mentioned in an early chapter, documenting the resources and development pressures that led to an interest in extending a railroad into the Central Oregon region as a whole.

³ This submittal addresses impacts to the OTR only. Impacts of the project as proposed to the PBC will be documented separately once the final design is determined.

OREGON INVENTORY OF HISTORIC PROPERTIES
SECTION 106 DOCUMENTATION FORM
Individual Properties

Property Name: Oregon Trunk Railway-PBC Crossing (NE Butler Market Rd)	Street Address: NE Butler Market Rd/PBC Canal	City, County: Bend, Deschutes County
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Criterion A significance of the linear district as defined. As a result, the modification of the OTR/PBC Crossing will have effect on the Oregon Trunk Railway Linear District, a resource determined eligible for listing on the National Register of Historic Places but that effect is **NOT ADVERSE**.

Sources:

Bend Bulletin (Bend, OR). Misc. issues as cited in text by date:page.

Brogan, Phil F. *East of the Cascades*. Portland, OR: Binfords and Mort, Publishers, 1964 (Fourth Edition, 1977).

Deschutes County Historical Society. *Bend, Oregon: 100 Years of Bend History*. Bend, Oregon: Des Chutes Historical Center, 2004.

Due, John F. and Francis Duris Rush. *Roads and Rails South from the Columbia: Transportation and Economic Development in MidColumbia and Central Oregon*. Bend, OR: Maverick Publications, Inc., 191.

Griffin, Ryan and Megan O'Neill. *Oregon Cultural Resource Site Record: Site 05050614357S1 "Oregon Trunk Railway, South of Redmond."* BLM Prineville Deschutes Resource Area, May 6, 2009.

Held, Jonathon, M.A., *Section 106 Documentation Form: Oregon Trunk Railway*. Archaeological Investigations Northwest, Inc., Report No. 2554, September 2010.

Oregonian (Portland, OR). Misc. issues as cited in text by date:page.

Redmond Spokesman (Redmond, OR). Misc. issues as cited in text by date:page.

Robertson, Donald B. *Encyclopedia of Western Railroad History, Vol. III., Oregon Washington*. Caxton, ID: The Caxton Printers, LTD, 1995.

Rudnicki, Larissa. *Section 106 Documentation Form: US97: Romaine Village Way-Lava Butte*. Oregon Department of Transportation, August 2015.

Speroff, Leon. *The Deschutes River Railroad War*. Portland, OR: Arnica Publishing, 2007.

Williams, Elsie Horn. *A Pictorial History of the Bend Country*. Virginia Beach, VA: The Donning Company Publishers, 1983 (Second, Revised Edition, 1998).

OREGON INVENTORY OF HISTORIC PROPERTIES
SECTION 106 DOCUMENTATION FORM
Individual Properties

Property Name: Oregon Trunk Railway-PBC Crossing (NE Butler Market Rd)	Street Address: NE Butler Market Rd/PBC Canal	City, County: Bend, Deschutes County
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View: OTR/PBC Crossing, Looking Northwest from COID/PBC Maintenance Road (G. Kramer, August 2024)



View: OTR/PBC Crossing, Looking East, from OTR Track (G. Kramer, August 2024)

OREGON INVENTORY OF HISTORIC PROPERTIES
SECTION 106 DOCUMENTATION FORM
Individual Properties

Property Name: Oregon Trunk Railway-PBC Crossing (NE Butler Market Rd)	Street Address: NE Butler Market Rd/PBC Canal	City, County: Bend, Deschutes County
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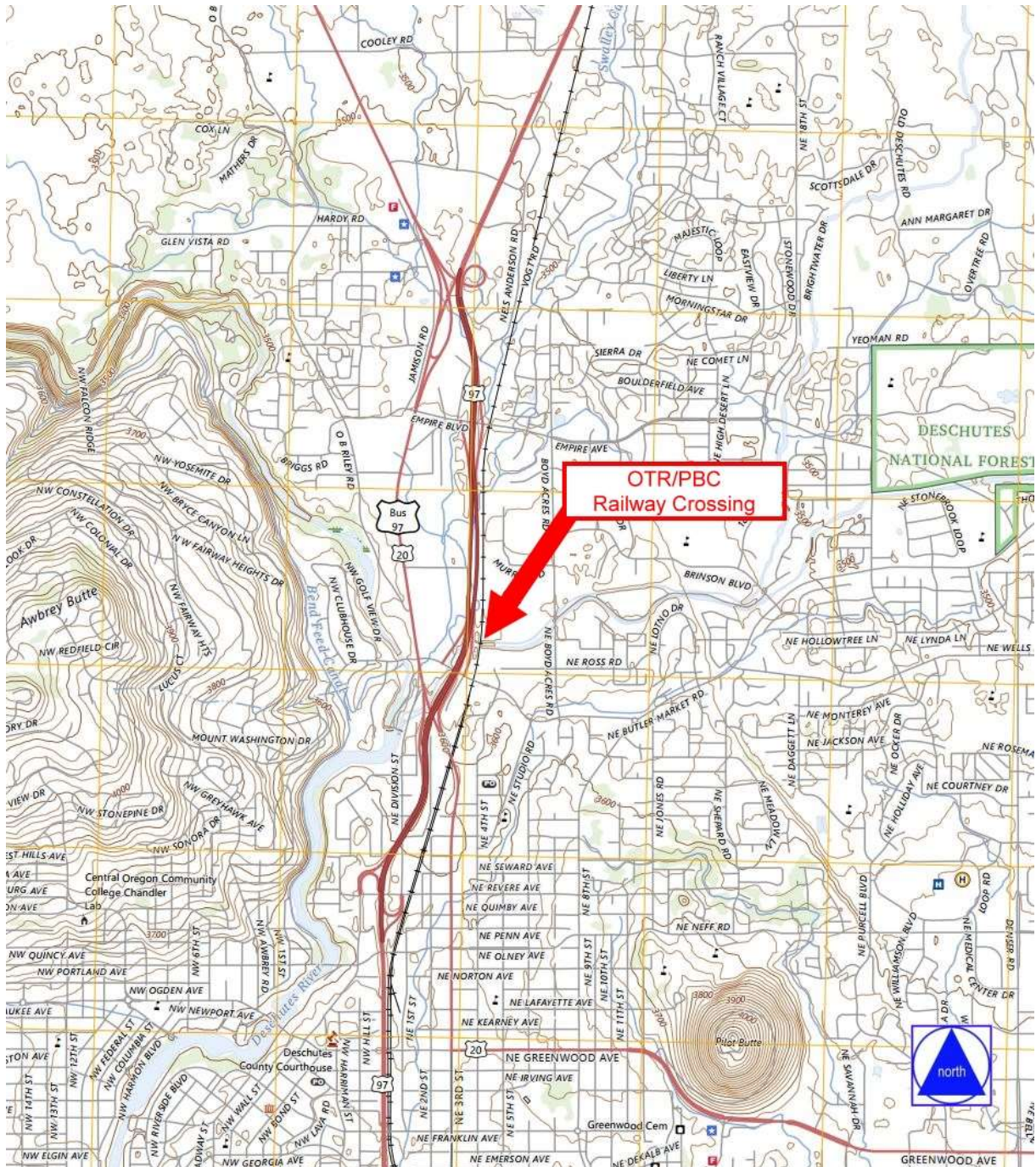
View: OTR/PBC Crossing, Looking East from US 97 Onramp (G. Kramer, August 2024)



View: OTR/PBC Crossing, Looking East, from PBC Canal (Parametrix Image, January 2019)

OREGON INVENTORY OF HISTORIC PROPERTIES
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Individual Properties

Property Name: Oregon Trunk Railway-PBC Crossing (NE Butler Market Rd)	Street Address: NE Butler Market Rd/PBC Canal	City, County: Bend, Deschutes County
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VICINITY MAP: OTR/PBC Railroad Crossing
(USGS "Bend" 7.5m Topo Map, 2024, annotated)

OREGON INVENTORY OF HISTORIC PROPERTIES
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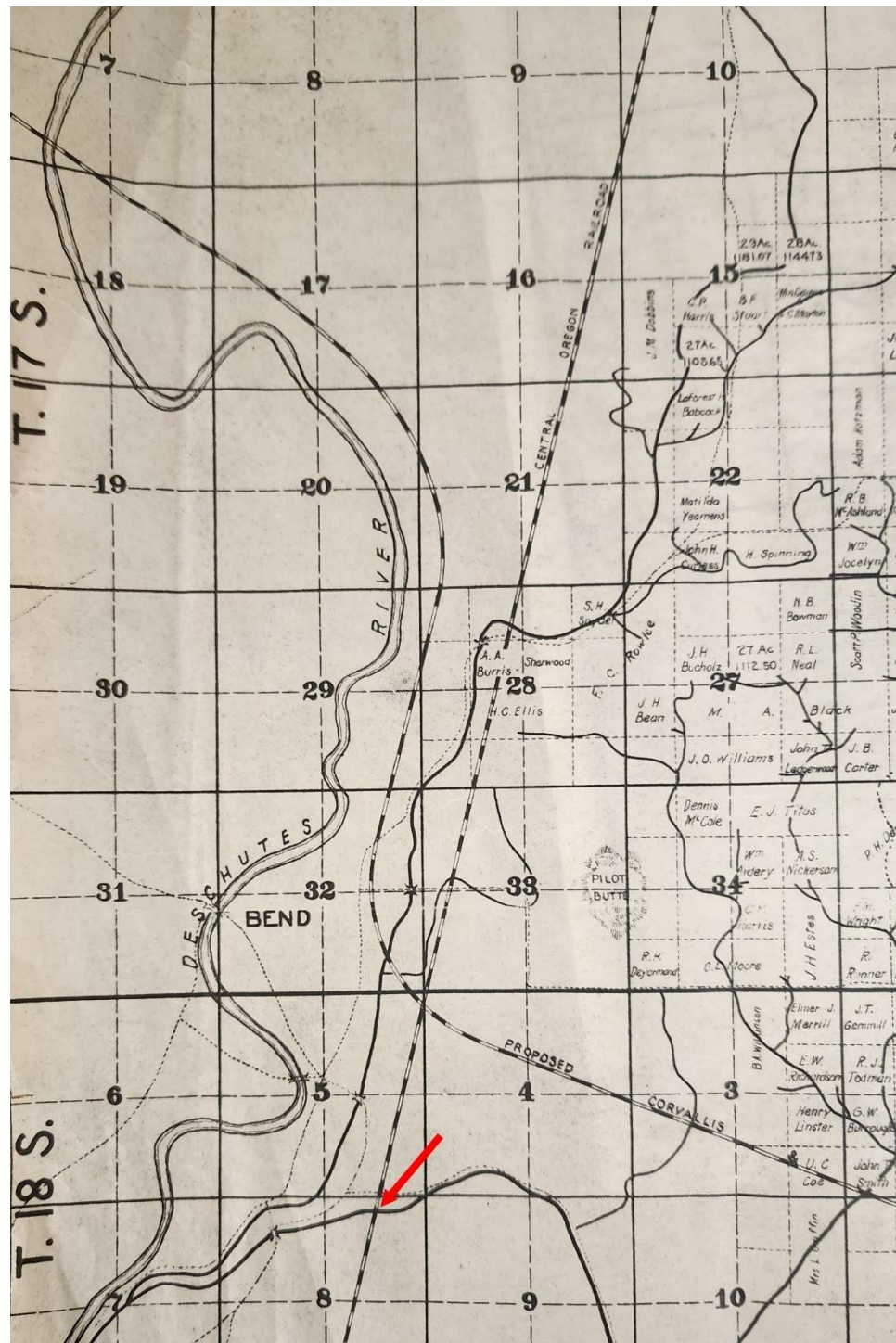
Property Name: Oregon Trunk Railway-PBC Crossing (NE Butler Market Rd)	Street Address: NE Butler Market Rd/PBC Canal	City, County: Bend, Deschutes County
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AERIAL VIEW: OTR/PBC Railroad Crossing
(GoogleEarth View, 2021, annotated)

OREGON INVENTORY OF HISTORIC PROPERTIES
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Property Name: Oregon Trunk Railway-PBC Crossing (NE Butler Market Rd)	Street Address: NE Butler Market Rd/PBC Canal	City, County: Bend, Deschutes County, OR
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HISTORIC MAP: OTR/PBC Railroad Crossing, 1909 (Proposed)
(Deschutes Irrigation & Power Company, Drawing 390, July 1909)

OREGON INVENTORY OF HISTORIC PROPERTIES
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Property Name: Oregon Trunk Railway-PBC Crossing (NE Butler Market Rd)	Street Address: NE Butler Market Rd/PBC Canal	City, County: Bend, Deschutes County, OR
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HISTORIC AERIAL VIEW: OTR/PBC Railroad Crossing, c1945

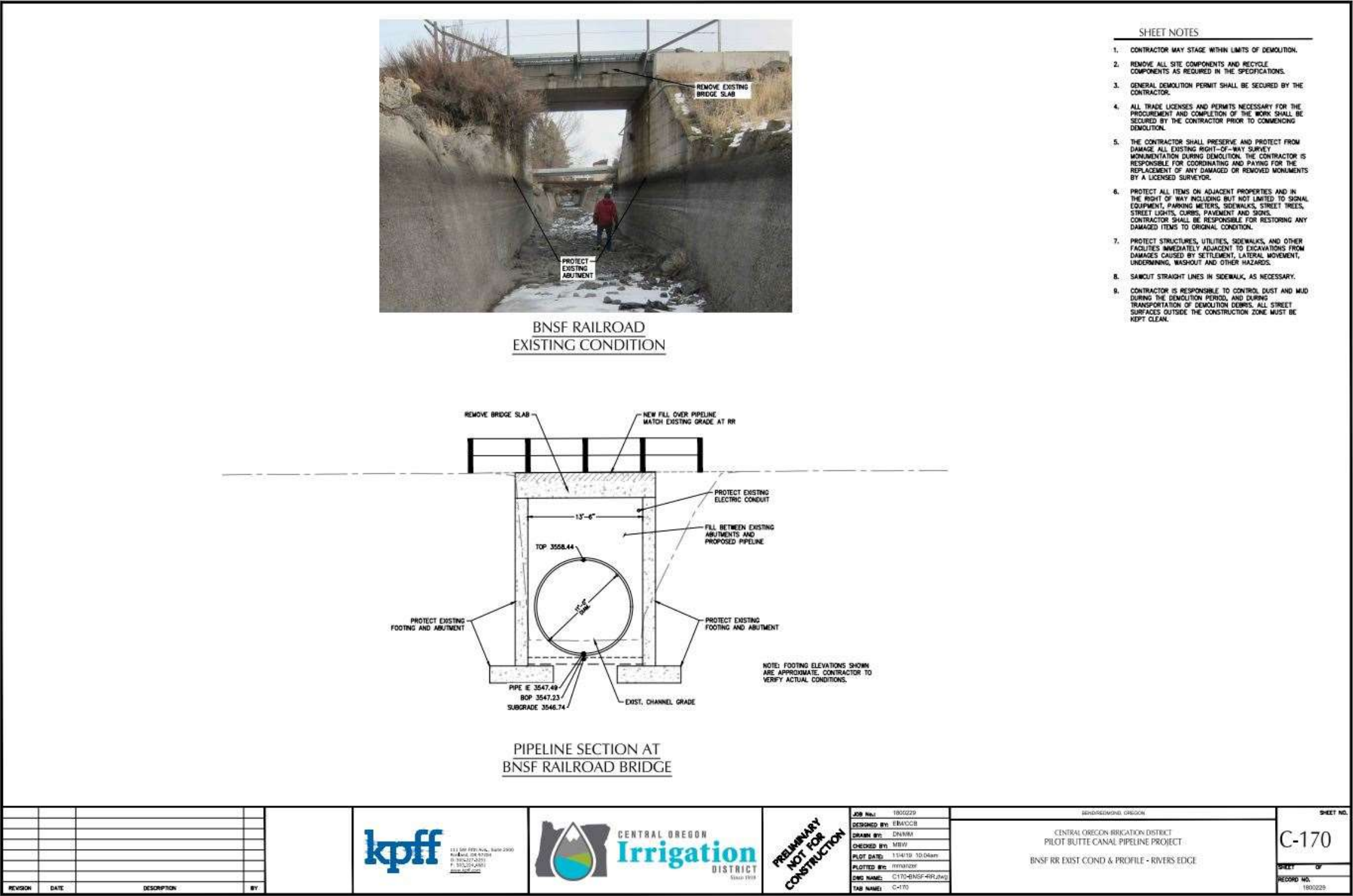
(US Army Corps of Engineers Image, annotated)

OREGON INVENTORY OF HISTORIC PROPERTIES

SECTION 106 DOCUMENTATION FORM

Individual Properties

Property Name: Oregon Trunk Railway-PBC Crossing (NE Butler Market Rd)	Street Address: NE Butler Market Rd/PBC Canal	City, County: Bend, Deschutes County, OR
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Proposed: Pilot Butte Canal Piping Project, BNSF RR Condition and Profile (NE Butler Market Road), KPFF, 2019

OREGON INVENTORY OF HISTORIC PROPERTIES
SECTION 106 DOCUMENTATION FORM
Individual Properties

Property Name: Oregon Trunk Railway-PBC Crossing (NE King Way)	Street Address: NE King Way//PBC Canal	City, County: Redmond Deschutes Cty, OR
Project Name: COID-Pilot Butte Canal Piping Project		Agency project #:
Agency: COID/NRCS		SHPO Case#: 22-0850
Location Coordinates (to sixth decimal place): Latitude: 44.180308 Longitude: -121.095505		Is the property listed in the National Register of Historic Places? ☐ YES – Individually ☒ NO ☒ YES – In a district (DOE 2011)



OTR Line, Crossing Pilot Butte Canal near NE King Way, Looking SW (August 2024)

Surveyor: George Kramer, Kramer & Company, for COID/Parametrix Inc.	Date Recorded: August 2024
National Register Findings: ☒ Eligible: ☐ Individually ☒ As part of District NR Criteria: ☒ A ☐ B ☐ C ☐ D ☐ Not Eligible: ☐ Irretrievable integrity loss ☐ Not 50 Years ☐ Fails to meet NR Criteria	Finding of Effect: ☐ No Effect ☒ No Adverse Effect ☐ Adverse Effect

State Historic Preservation Office Comments – Official Use Only:

Eligibility: ☐ Concur ☐ Do Not Concur:
 Effect: ☐ Concur ☐ Do Not Concur:

RECEIVED STAMP

Signed _____ Date _____

CONTACT INFORMATION STAMP

Comments:

OREGON INVENTORY OF HISTORIC PROPERTIES
SECTION 106 DOCUMENTATION FORM
Individual Properties

Property Name: Oregon Trunk Railway-PBC Crossing (NE King Way)	Street Address: NE King Way/PBC Canal	City, County: Redmond, Deschutes Cty, OR
Original Use: Transportation: Rail-Related (Bridge)		Number of Associated Resources:
Architectural Classification / Resource Type: Utilitarian		Owner: ☐ Private ☒ Local Government ☐ State ☐ Federal
Window type and Materials: N/A	Exterior Surface Materials: Primary: Concrete Secondary: Decorative:	
Roof Type and Materials: N/A		
Integrity: ☐ Excellent ☐ Good ☒ Fair ☐ Poor		Construction Date: 1911 (as modified) (☐ Circa)
		Architect/Builder (if known):

Description of Property (including previous alterations & approximate dates):

The Oregon Trunk Railway/Pilot Butte Canal Crossing south of NE King Way carries the line of what is now the Burlington Northern Santa Fe (BNSF) railroad over the Pilot Butte Canal (PBC), a major component in the Central Oregon Irrigation District (COID) system. The crossing is a poured-in-place concrete structure consisting of abutments and a center pillar, all with spread footings, that carry the roadbed across the canal at a location approximately 275 feet south of NE King Way, in Redmond, Deschutes County, Oregon. The rail crossing itself, is about 20-feet in length (the width of the canal) and is a reinforced concrete slab with a single track, as modified (n.d.).

The construction history of this specific crossing is unclear and the details of its materials are not precisely determined. The substructure is assumed to have been built as part of the original construction of the rail line by the Oregon Trunk Railroad, which arrived in Bend in September 1911. The crossing itself, the railbed that carries the rail line across the canal, is not original and is of more modern, undated, construction.

Determination of Eligibility, Justification, and Sources (Use continuation sheets if necessary):

The Oregon Trunk Railway (OTR), completed in 1911 between Wishram, Washington to Bend by James J. Hill's Great Northern Railroad, played a pivotal role in the development history of central Oregon. "The OTR line expanded shipping capabilities for stock ranchers in the region while creating new opportunities for large-scale producers of wood products to operate in Bend during the early twentieth century" (Held, 2011:2). While at one time carrying both passenger and rail traffic, the OTR line, owned and operated by BSNF, today remains the primary freight carrier in Central Oregon.

The race to construct a railroad through Central Oregon during the early 20th century resulted in a "war" between E. H. Harriman's Union Pacific empire and the Great Northern Railway, owned by James J. Hill. Both men were legendary and their powerful companies fought to serve the growing region north of Bend. Harriman's Des Chutes Railroad began construction in 1906 while Hill's Oregon Trunk Railway started three years later. Their battle for the region, known as the Deschutes River Railroad War," was the last of many confrontations between the two rail barons and their surrogates (Speroff, 2007:xiii). "The Hill system obviously had some thought that line would ultimately be extended to California and thus built to relatively high standards" (Due & Rush, 1991:77).

By February 1911 construction of the Oregon Trunk Railway, Hill's line, under the direction of chief engineer John F. Stevens, had pushed 110 miles south from Wishram and was approaching Madras. "Grading between Madras and Bend, a distance of 45 miles, is well along and construction will proceed rapidly to Crooked River" (*Oregonian*, 4-Feb-1911, 3:1-3). By September 1911 track had reached Redmond, which celebrated on

OREGON INVENTORY OF HISTORIC PROPERTIES
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Property Name: Oregon Trunk Railway-PBC Crossing (NE King Way	Street Address: NE King Way/PBC Canal	City, County: Redmond, Deschutes Cty, OR
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“Railroad Day,” with a parade and an “imposing arch of welcome” on 6th, decorated with agricultural products from the section (*Redmond Spokesman*, 21-Sept-1911, 1:1-3). The line reached Bend less than a month later, an event that was celebrated over two days of activity, culminating in the driving of a golden spike by James J. Hill himself (*Bend Bulletin*, 27-Sept-1911, 1:3-4). “The celebration of the last spike on October 5, 1911, drew a crowd of 1,500 to 2,000 people, an impressive gathering given that the Bend had only 536 people” (Speroff, 2007:139).

The arrival of the railroad in Bend and Redmond, connecting these cities to markets to the north, were, transformative, bringing new industry, new residents and, in concert with the development of irrigation, expanded agriculture. “The first ingredient in this transformation was the railroad” (DCHS, 2004:35). Bend’s population grew from 536 people in 1910 to 5,415 in 1920. Growth in Redmond followed a similar, if less dramatic arc, more than doubling from 218 in 1910 to 585 ten years later.

The significance of the OTR and its role in the development of Bend and the Central Oregon region has been previously evaluated as part of several federally funded undertakings. In 2009 an archeological survey found a 7.5 mile long segment of the OTR south of Redmond significant under multiple criterion in association with construction of 19th Street (Griffin and O’Neill, 2009). In 2011, in connection with proposed work on US Highway 97, a segment of the railway beginning in Section 28 of Township 17S, Range 12E, and continuing “...near the North/Pilot Built Canal in Section 3” of the same township was evaluated for historic significance. That document concluded “The surveyed section of the OTR is recommended eligible for listing in the National Register of Historic Places under Criterion A *as a contributing feature to a potential OTR linear historic district*” (Held, 2011, emphasis added). Held elaborated that the linear district, spanning 157 miles from Wishram (WA) to Bend, was the oldest portion of the OTR, retaining its historic alignment and ballast. “Modern transportation improvements have necessitated new street crossing at various points along the historic alignment” (Held, 2011). Oregon SHPO concurred with the finding on January 27, 2011.

In 2015 a nine-mile long section of the OTR between Romaine Village Way and Lava Butte Lane, south of the OTR Depot in Bend, was evaluated by the Oregon Department of Transportation. That study reconfirmed the historic significance of the segment within a larger linear district under Criterion A for its association with the growth of Central Oregon and its continuing economic role in the regional economy (Rudnicki, August 2015). Oregon SHPO concurred with the finding on October 5, 2015.

OTR/PBC Crossing at NE King Way

The Pilot Butte Canal was first developed between 1903-1904 and pre-dates OTR construction. As the rail line worked south from Madras, it would have necessitated a crossing at this location, which was clearly built prior to September 1911, when the OTR reached Bend. The concrete abutments of the OTR/PBC Crossing at NE King Way are assumed original and the center post is likely of similar vintage, however this is unclear. The roadbed itself, carrying the single track, is of what appears to be a pre-cast concrete slab, is clearly a later, if undated, modification.

The OTR/PBC Crossing at NE King Way, as an original element of the Oregon Trunk Railroad line, although modified, is considered eligible as part of the linear OTR District as defined by the Oregon State Historic Preservation Office in 2011 and re-confirmed in 2015. The crossing, carrying the railroad line over the Pilot Butte Canal, remains on the original right-of-way and continues its original function.

The OTR/PBC Crossing, a modest structure of limited size and design value, was not noted in any located period accounts of the line’s construction, despite that construction being a focus of considerable interest in the Bend-Redmond area in 1911. Available histories of the “Deschutes River Railroad War” fail to mention anything

OREGON INVENTORY OF HISTORIC PROPERTIES
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Property Name: Oregon Trunk Railway-PBC Crossing (NE King Way)	Street Address: NE King Way/PBC Canal	City, County: Redmond, Deschutes Cty, OR
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related to the crossing or the intersection of the Pilot Butte Canal and the rail line. Most, like Speroff, focus entirely on the larger and far more significant spans over the Columbia, Crooked and Deschutes rivers.¹

Evaluation of Significance

The OTR/PBC Crossing at NE King Way, an original and integral element of the construction of the OTR line between Redmond and Bend, is considered eligible as an element of the 157-mile long Oregon Trunk Railway line between Wishram, Washington and Bend, Oregon, for its Criterion A role in the continued function of the rail line.

Modest in scale, of utilitarian construction and modified, the OTR/PBC Crossing retains integrity of association and location, with lesser integrity in design and workmanship. Integrity of materials and feeling have been reduced, due to changes and upgrades over time.

The OTR/PBC Crossing at NE King Way is considered not eligible *individually*, as it lacks any specific association or design necessary to meet NR eligibility criteria. The OTR/PBC Crossing is considered ELIGIBLE under Criterion A as an element of the linear Oregon Trunk Railway district.

Description of project scope, and nature and extent of impacts:

The Pilot Butte Piping Project as proposed by COID, currently in the environmental impact study phase, proposes to pipe all or most of the Pilot Butte Canal for approximately 18-21 miles from NE 17th Street in Redmond, Oregon the diversion point from the Deschutes River, in Bend, Oregon. The project would follow the existing PBC alignment in the segment south of NE King Way, including the OTR/PBC Crossing, and includes converting the existing open canal to a covered, piped, feature. The existing OTC/PBC elevated crossing at the intersection of the OTR and the PBC south of NE King Way would become an elevated single track on grade.

Finding of Effect and justification:

The proposed piping of the PBC project will have an effect on the Oregon Trunk Railway through the removal of the existing bridge slab that carries the rail line over the canal south of NE King Way. The existing concrete footings and abutments of that feature will remain, with the new 11'-0" diameter set within the canal channel and covered with fill, to the existing railroad grade. The existing center support will be removed, to allow installation of the piping. The project will result in the modification of the existing feature by infilling the canal and transforming the crossing to create a continuation of the rail line at grade at its intersection with the piped Pilot Butte Canal.²

The proposal will have a physical and visual effect on the Oregon Trunk Railway, transforming this section of the historic right-of-way from a crossing to, visually, a simple continuation of the rail corridor. The original, historic, abutments are anticipated to remain, below the fill, but that is dependent upon final design.

An analysis of effect finds that while the project as proposed will have an effect on a historic resource, the Oregon Trunk Railway, resulting in visual and physical modifications to this short portion of the right-of-way, it does not impact any character defining feature of the resource and will not, in any significant manner, impact the Criterion A significance of the linear district as defined. As a result, the modification of the OTR/PBC Crossing will have

¹ The index in Speroff's classic study does not include any mention of COID or the Pilot Butte Canal. Irrigation is only mentioned in an early chapter, documenting the resources and development pressures that led to an interest in extending a railroad into the Central Oregon region as a whole.

² This submittal addresses impacts to the OTR only. Impacts of the project as proposed to the PBC will be documented separately once the final design is determined.

OREGON INVENTORY OF HISTORIC PROPERTIES
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Property Name: Oregon Trunk Railway-PBC Crossing (NE King Way)	Street Address: NE King Way/PBC Canal	City, County: Redmond, Deschutes Cty, OR
--	--	---

effect on the Oregon Trunk Railway Linear District, a resource determined eligible for listing on the National Register of Historic Places but that effect is **NOT ADVERSE**.

Sources:

Bend Bulletin (Bend, OR). Misc. issues as cited in text by date:page.

Brogan, Phil F. *East of the Cascades*. Portland, OR: Binfords and Mort, Publishers, 1964 (Fourth Edition, 1977).

Deschutes County Historical Society. *Bend, Oregon: 100 Years of Bend History*. Bend, Oregon: Des Chutes Historical Center, 2004.

Due, John F. and Francis Duris Rush. *Roads and Rails South from the Columbia: Transportation and Economic Development in MidColumbia and Central Oregon*. Bend, OR: Maverick Publications, Inc., 191.

Griffin, Ryan and Megan O'Neill. *Oregon Cultural Resource Site Record: Site 05050614357S1 "Oregon Trunk Railway, South of Redmond."* BLM Prineville Deschutes Resource Area, May 6, 2009.

Held, Jonathon, M.A., *Section 106 Documentation Form: Oregon Trunk Railway*. Archaeological Investigations Northwest, Inc., Report No. 2554, September 2010.

Oregonian (Portland, OR). Misc. issues as cited in text by date:page.

Redmond Spokesman (Redmond, OR). Misc. issues as cited in text by date:page.

Robertson, Donald B. *Encyclopedia of Western Railroad History, Vol. III., Oregon Washington*. Caxton, ID: The Caxton Printers, LTD, 1995.

Rudnicki, Larissa. *Section 106 Documentation Form: US97: Romaine Village Way-Lava Butte*. Oregon Department of Transportation, August 2015.

Speroff, Leon. *The Deschutes River Railroad War*. Portland, OR: Arnica Publishing, 2007.

Williams, Elsie Horn. *A Pictorial History of the Bend Country*. Virginia Beach, VA: The Donning Company Publishers, 1983 (Second, Revised Edition, 1998).

OREGON INVENTORY OF HISTORIC PROPERTIES
SECTION 106 DOCUMENTATION FORM
Individual Properties

Property Name: Oregon Trunk Railway-PBC Crossing (NE King Way)	Street Address: NE King Way/PBC Canal	City, County: Redmond, Deschutes Cty, OR
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View: OTR/PBC Crossing, Looking SE (G. Kramer, August 2024)



View: OTR/PBC Crossing, Looking West from OTR Line (G. Kramer, August 2024)

OREGON INVENTORY OF HISTORIC PROPERTIES
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View: OTR/PBC Crossing, Looking NW (G. Kramer, August 2024)



View: OTR/PBC Crossing, Looking South (G. Kramer, August 2024)

OREGON INVENTORY OF HISTORIC PROPERTIES
SECTION 106 DOCUMENTATION FORM
Individual Properties

Property Name: Oregon Trunk Railway-PBC Crossing (NE King Way)	Street Address: NE King Way/PBC Canal	City, County: Redmond, Deschutes Cty, OR
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AERIAL VIEW: OTR/PBC Railroad Crossing
(GoogleEarth View, 2021, annotated)

OREGON INVENTORY OF HISTORIC PROPERTIES
SECTION 106 DOCUMENTATION FORM
Individual Properties

Property Name: Oregon Trunk Railway-PBC Crossing (NE King Way)	Street Address: NE King Way/PBC Canal	City, County: Redmond, Deschutes Cty, OR
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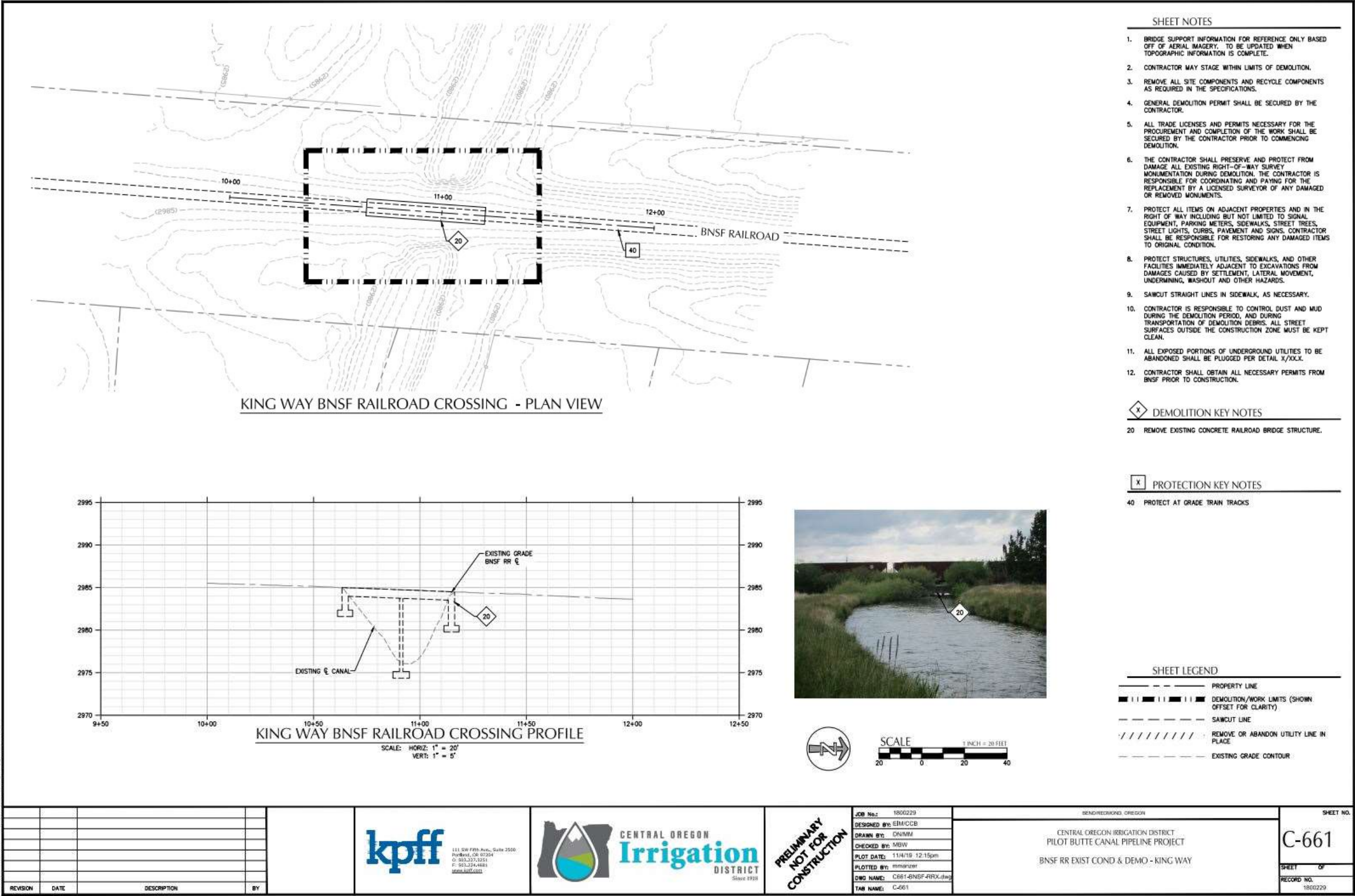
HISTORIC AERIAL VIEW: OTR/PBC Railroad Crossing, c1945
(US Army Corps of Engineers Image, annotated)

OREGON INVENTORY OF HISTORIC PROPERTIES

SECTION 106 DOCUMENTATION FORM

Individual Properties

Property Name: Oregon Trunk Railway-PBC Crossing (NE King Way)	Street Address: NE King Way/PBC Canal	City, County: Redmond, Deschutes Cty, OR
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Proposed: Pilot Butte Canal Piping Project, BNSF RR Condition and Profile (NE King Way), KPFF, 2019



Oregon

Tina Kotek, Governor

Parks and Recreation Department

Oregon Heritage/
State Historic Preservation Office
725 Summer St. NE, Suite C
Salem, OR 97301-1266
(503) 986-0690
Fax (503) 986-0793
oregonheritage.org



October 2, 2024

Ms. Rachel Gebauer
USDA-NRCS
1945 Main St. Ste 200
Klamath Falls, OR 97601

RE: SHPO Case No. 24-1725

USDA-NRCS, Oregon Trunk Railway-Pilot Butte Canal Crossings
Modifications of two Oregon Trunk Railway crossings.
NE King Way, Redmond; NE Butler Market Rd., Bend, Redmond and Bend, Deschutes County

Dear Rachel Gebauer:

Thank you for submitting information for the undertaking referenced above. We concur the Oregon Trunk Railway-PBS crossings at NE Butler Market Road and at NE King Way are contributing structures to the National Register-eligible Oregon Trunk Railway District. We also concur that the removal of these structures as part of the piping of the Pilot Butte Canal does not adversely affect the district due to the overall scale of the District.

The Oregon SHPO asks that any future determinations and eligibility (DOE) and findings of effect (FOE) for historic properties within the area of potential effect (APE) related to the expected piping of the Pilot Butte Canal be documented as part of the piping project. While piping the canal is subject to a Programmatic Agreement signed between our offices, the removal of the bridges and any other project impact on historic properties within the APE are a single undertaking that must be documented as such. However, it is acceptable to submit documentation as it is prepared. We recommend that NRCS identify an APE for the project and submit it to the SHPO at the agency's earliest convenience for concurrence.

Once all properties are identified and evaluated, please provide the SHPO a single APE, DOE, and FOE for the entirety of the project, in addition to individual evaluations as needed. Please include the determinations for these two railroad crossings and our response when submitting final documentation for the project.

This concludes consultation with our office under Section 106 of the National Historic Preservation Act (per 36 CFR Part 800) and/or Oregon Revised State (ORS) 358.653 for built-environment resources. If you have not already done so, be sure to consult with all appropriate Native American tribes and interested parties regarding the proposed undertaking.

Please contact our office if you have any questions, comments or need additional assistance.

This letter refers to built-environment resources only. Comments pursuant to a review for archaeological resources will be sent separately.

Sincerely,

Ian P. Johnson, M.A.
Associate Deputy SHPO

(971) 718-1137

ian.johnson@opr.d.oregon.gov

EISX-005-53-000-1769089867

cc: George Kramer, Kramer and Company



United States Department of Agriculture

Natural
Resources
Conservation
Service

1945 Main St.
Suite 200
Klamath Falls, OR

November 20, 2024

Jamie French
State Historic Preservation Office
725 Summer Street, NE, Suite C
Salem, Oregon 97301-1226

Subject: COID-Pilot Butte Canal Archaeological Report
Deschutes County, Oregon
SHPO Case No. 22-0850

Dear Jamie,

The Natural Resources Conservation Service (NRCS) intends to assist the Central Oregon Irrigation District (COID) with upgrades to the Pilot Butte Canal, with the goal of conserving water and power, reducing maintenance effort and cost and increasing reliability in deliveries to District patrons by piping and modernizing the open canal.

COID has contracted with Parametrix and AINW to conduct archaeological survey and shovel tests within a 342-acre Area of Potential Effect (APE) which included several alignment options, including the two NRHP-listed segments of the canal between Cooley Road and Yeoman Road, and the Redmond segment.

Shovel testing was conducted under SHPO issued Archaeological Excavation Permit Number AP-3899. Survey and testing were conducted on Bureau of Land Management (BLM) property under Fieldwork Authorizations under BLM Cultural Resource Use Permit OR-51025.

Seven new archaeological resources within the direct impact area of the APE have been recorded, and three previously recorded historic- period archaeological resources were relocated.

In compliance with the National Historic Preservation Act of 1966 (as amended), 36 CFR Part 800.11(d), NRCS is submitting this report to SHPO, consulting parties and interested tribes for review.

When a final alignment is selected for the project, NRCS will provide a single APE, DOE and FOE for the project, including both above and below ground resources.

Sincerely,

Rachel LS Gebauer

Rachel Smith Gebauer, M.A., RPA
Acting State Cultural Resources Specialist

CC: Gary Diridoni, NRCS ASTC for Watershed Resources
Shane Phelps, Parametrix
Carmen Sarjeant, AINW



United States Department of Agriculture

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Service

1945 Main St.
Suite 200
Klamath Falls, OR

November 20, 2024

Tracy Kennedy, Chair
Burns Paiute
100 Pasigo St.
Burns, Oregon

Subject: COID-Pilot Butte Canal Archaeological Report
Deschutes County, Oregon

Dear Tracy Kennedy,

The Natural Resources Conservation Service (NRCS) is following up on the initial consultation letter from May 2022 for planned upgrades to the Pilot Butte Canal within the Central Oregon Irrigation District (COID) in Deschutes County. The goals of the modernization project are conserving water and power, reducing maintenance effort and cost and increasing reliability in deliveries to District patrons by piping and modernizing the open canal.

Enclosed with this letter is the archaeological survey report for the proposed route of the planned project and additional optional routes.

If you have any questions or comments regarding the enclosed report or the project itself, please contact me at rachel.gebauer@usda.gov or 541-887-3511.

Sincerely,

Rachel LS Gebauer

Rachel Smith Gebauer, M.A., RPA
Acting State Cultural Resources Specialist

CC: Gary Diridoni, NRCS ASTC for Watershed Resources
Diane Teeman, Culture and Heritage Director, Burns Paiute Tribe



United States Department of Agriculture

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1945 Main St.
Suite 200
Klamath Falls, OR

November 20, 2024

Briece Edwards
Confederated Tribes of the Grand Ronde
9615 Grand Ronde Rd.
Grand Ronde, OR 97347

Subject: COID-Pilot Butte Canal Archaeological Report
Deschutes County, Oregon

Dear Briece,

The Natural Resources Conservation Service (NRCS) is following up on the initial consultation letter from May 2022 for planned upgrades to the Pilot Butte Canal within the Central Oregon Irrigation District (COID) in Deschutes County. The goals of the modernization project are conserving water and power, reducing maintenance effort and cost and increasing reliability in deliveries to District patrons by piping and modernizing the open canal.

Enclosed with this letter is the archaeological survey report for the proposed route of the planned project and additional optional routes.

If you have any questions or comments regarding the enclosed report or the project itself, please contact me at rachel.gebauer@usda.gov or 541-887-3511.

Sincerely,

Rachel LS Gebauer

Rachel Smith Gebauer, M.A., RPA
Acting State Cultural Resources Specialist

CC: Gary Diridoni, NRCS ASTC for Watershed Resources



United States Department of Agriculture

Natural
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Conservation
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1945 Main St.
Suite 200
Klamath Falls, OR

November 20, 2024

Robert Brunoe, THPO
Confederated Tribes Warm Springs Reservation of Oregon
1233 Veterans Way, PO Box C
Warm Springs, OR 97761

Subject: COID-Pilot Butte Canal Archaeological Report
Deschutes County, Oregon

Dear Mr. Brunoe,

The Natural Resources Conservation Service (NRCS) is following up on the initial consultation letter from May 2022 for planned upgrades to the Pilot Butte Canal within the Central Oregon Irrigation District (COID) in Deschutes County. The goals of the modernization project are conserving water and power, reducing maintenance effort and cost and increasing reliability in deliveries to District patrons by piping and modernizing the open canal.

Enclosed with this letter is the archaeological survey report for the proposed route of the planned project and additional optional routes.

If you have any questions or comments regarding the enclosed report or the project itself, please contact me at rachel.gebauer@usda.gov or 541-887-3511.

Sincerely,

Rachel LS Gebauer

Rachel Smith Gebauer, M.A., RPA
Acting State Cultural Resources Specialist

CC: Gary Diridoni, NRCS ASTC for Watershed Resources

ARCHAEOLOGICAL SURVEY FOR THE PILOT BUTTE CANAL PIPING PROJECT, DESCHUTES COUNTY, OREGON

PROJECT: Pipe and bury Pilot Butte Canal

LOCATION: City of Bend, City of Redmond, and unincorporated Deschutes County, Deschutes County, Oregon

Township	Range	Sections
14 South	13 East	34 and 35
15 South	13 East	3, 4, 9, 10, 16, 20, 21, 29, 30, and 31
16 South	13 East	6
16 South	12 East	1, 11, 12, 14, 23, 26, 34, and 35
17 South	12 East	10, 15, 21, 22, 28, and 29

USGS QUADS: *Bend, OR, 7.5-minute, 2017; Fork Horn Butte, OR, 7.5-minute, 2017; Redmond, OR, 7.5-minute, 2017; and Tumalo, OR, 7.5-minute, 2017*

PROJECT APE: 3,184 acres

PROJECT DIRECT IMPACT

AREA/AREA SURVEYED: 342 acres (includes alternative alignment options)

BLM PERMIT: OR-51025

SHPO PERMITS: AP 3728 (No work conducted under this permit); AP 3899

RESULTS AND

RECOMMENDATIONS: AINW recommends a finding of “**No Historic Properties Affected**” for archaeological resources.

AINW identified seven new archaeological resources within the Direct Impact Area of the Area of Potential Effects (APE).

- Historic-period site 21/3111-1 is within the proposed Old Deschutes Road option for the Cooley Road – Yeoman Road segment of the project.
 - Site 21/3111-1 is within Deschutes County right-of-way and extends onto privately owned land.
 - Site 21/3111-1 has not been evaluated for listing in the National Register of Historic Places (NRHP).
 - The site is recommended to be avoided. If the Old Deschutes Road option is selected and site 21/3111-1 cannot be avoided, AINW recommends additional work including shovel testing to delineate and evaluate the resource.

- Pre-contact isolates 21/3111-2 and 21/3111-7 were found on the surface within the Direct Impact Area.
 - Isolate 21/3111-2 is on privately owned land.
 - Isolate 21/3111-7 is on land owned by the City of Bend.
 - The isolates were delineated with shovel tests and no additional artifacts were found.
 - AINW recommends the isolates do not meet the criteria for listing in the NRHP.
 - No additional archaeological work is recommended.
- Four historic-period debris scatters, sites 21/3111-3, 21/3111-4, 21/3111-5, and 21/3111-6, were found on the surface within the Direct Impact Area.
 - Sites 21/3111-3 and 21/3111-6 are on privately owned land.
 - Sites 21/3111-4 and 21/3111-5 are on land owned by the Bureau of Land Management (BLM).
 - The site boundaries were delineated with shovel tests.
 - AINW recommends these historic-period resources are not eligible for listing in the NRHP.
 - No additional archaeological work is recommended.

AINW relocated three previously recorded archaeological resources that intersect the Direct Impact Area.

- Historic-period site 35DS2010 is a now-piped segment of the Pilot Butte Canal that intersects the Direct Impact Area where the three alternative alignment options are proposed at Cooley Road
 - Site 35DS2010 is on land owned by the City of Bend.
 - Site 35DS2010 has been recommended to be eligible for listing in the NRHP.
 - No additional archaeological work is recommended at site 35DS2010.
- The historic-period Oregon Trunk Railway, site 35DS1934, intersects two portions of the project.
 - Site 35DS1934 is within the Burlington Northern Santa Fe railroad right-of-way.
 - Site 35DS1934 is eligible for listing in the NRHP.
 - The archaeological components of the Oregon Trunk Railway will not be impacted by the project. No additional archaeological work is recommended at site 35DS1934.
- Historic-period site 35DS1619, a rock wall, was relocated adjacent to, and outside of, the Direct Impact Area, although the site boundary intersects the Direct Impact Area.
 - Site 35DS1619 is on privately owned land.
 - The site has not been evaluated for listing in the NRHP.
 - AINW recommends site 35DS1619 be avoided by the project.

The historic-period Redmond Homestead, site 35DS1736, and the historic-period Huntington Wagon Road have been previously documented within the Direct Impact Area. No evidence of these sites was identified during the survey of the Direct Impact Area and no additional archaeological work is recommended for these resources.

AINW identified two high probability areas (HPAs) within the Direct Impact Area.

- HPA 1 is within and near site 21/3111-5, and adjacent to previously recorded site 35DS3142. Shovel testing within HPA 1 confirmed that site 35DS3142 does not overlap with the Direct Impact Area. No additional archaeological work is recommended for HPA 1.
- HPA 2 is near previously recorded sites OR-05-267 and 35DS1931. Shovel testing was conducted within HPA 2 and confirmed that sites OR-05-267 and 35DS1931 do not overlap with the Direct Impact Area. No additional archaeological work is recommended for HPA 2.

PREPARED BY:

Meghan Johnson, M.A., R.P.A., and Carmen Sarjeant, Ph.D., R.P.A.

INTRODUCTION

The Central Oregon Irrigation District (COID) plans to pipe open portions of the Pilot Butte Canal in Deschutes County, Oregon (Figure 1). The Area of Potential Effect (APE) includes the parcels that intersect or abut the Direct Impact Area for the project. The Direct Impact Area of the APE includes discontinuous segments of the Pilot Butte canal that total 27 kilometers (km) (17 miles [mi]) between Riverview Park at the Deschutes River, west of Division Street in Bend, to NE Yucca Avenue, northeast of Redmond (Figure 2). The Direct Impact Area encompasses the 30- to 60-meter (m) (100- to 200-foot [ft]) wide easement centered on the canal. These segments of the district-owned canal will be piped and buried in order to conserve water, improve operational efficiencies, and improve public safety.

Archaeological Investigations Northwest, Inc. (AINW), conducted the archaeological survey for the COID Pilot Butte piping project's Direct Impact Area. The Natural Resources Conservation Service (NRCS) is the lead federal agency, and the undertaking is subject to review under Section 106 of the National Historic Preservation Act of 1966, as amended, and its implementing regulations (36 CFR 800). This study was managed and directed by AINW staff meeting the professional qualifications of the Secretary of the Interior's Standards and Guidelines for Archaeology and followed the Oregon State Historic Preservation Office (SHPO) guidelines.

The Direct Impact Area of the APE generally follows the existing unpiped segments of the Pilot Butte Canal within the COID easement. The entire Pilot Butte Canal has been previously identified as part of the Central Oregon Project system of canals, laterals, and irrigation features and facilities eligible for listing in the National Register of the Historic Places (NRHP) as a Historic District (Programmatic Agreement R19MA13745).

Two individual segments of the Pilot Butte Canal within the proposed project are Historic Districts listed in the NRHP. One of these NRHP-listed segments of the canal is between Cooley Road and Yeoman Road and the other is in downtown Redmond (Hall and Kliewer 2014; Hetzel 2016). Two alternative alignment options have been proposed at each of these segments to avoid impacts to the Historic Districts.

- To avoid the NRHP-listed Cooley Road–Yeoman Road segment of the canal, the two options are along Old Deschutes Road or along NE 18th Street (Figure 3). These two alignment options would occur outside of the existing COID easement within Old Deschutes Road, Yeoman Road, NE 18th Street, and Cooley Road rights-of-way.
- To avoid the NRHP-listed Redmond segment of the canal, the two alignment options are to the west along NW Canal Boulevard in the City of Redmond or immediately east of the existing canal on land owned by COID, the City of Redmond, the State of Oregon, and private owners (Figure 4).

Construction will include mobilization and staging of construction equipment, delivery of piping to construction areas, excavation of trenches, fusing of pipelines, placement of pipe, compaction of backfill, and restoration and reseedling of the disturbed area. The project proposes to remove two Burlington Northern Santa Fe railroad bridges crossing the canal near NE Butler Market Road in the southern portion of the Direct Impact Area and near NE King Way in the northern portion. After the

canal is piped, railroad tracks are proposed to be laid directly over the filled canal in these locations. Excavation may be up to 6 m (20 ft) deep along the proposed length of the open canal to be piped. Construction will take place within the existing 30- to 60-m (100- to 200-ft) wide canal easement for the primary alignment in the Direct Impact Area and for the Pilot Butte Canal option for the Cooley Road–Yeoman Road segment of the project. Construction will take place within Deschutes County and City of Bend right-of-way for the Old Deschutes Road and NE 18th Street options between Cooley Road and Yeoman Road, if selected. Construction will take place within the City of Redmond for the west and east options of the Redmond segment of the canal. The existing ditch rider roads will be used for access during construction. Staging and laydown areas will be determined at a later stage of the project.

AINW conducted an archaeological survey of the Direct Impact Area, including the two NRHP-eligible segments of the canal between Cooley Road and Yeoman Road and in Redmond; the two alternative alignment options proposed for the Cooley Road to Yeoman Road segment; and the two alternative alignment options proposed for the Redmond segment of the project. The survey consisted of a records search and literature review, a pedestrian survey, and archaeological shovel testing. The archaeological shovel testing was conducted under Archaeological Excavation Permit Number AP-3899, issued by SHPO. No shovel testing was conducted on COID-owned land under permit AP-3728 that was issued for this project. Survey and shovel testing conducted on land managed by the Bureau of Land Management (BLM) were conducted under Fieldwork Authorizations under BLM Cultural Resource Use Permit OR-51025.

AINW identified three previously recorded archaeological resources (sites 35DS2010, 35DS1934, and 35DS1619) that intersect the Direct Impact Area. Site 35DS2010 has been recommended to be eligible for listing in the NRHP, and site 35DS1934 has been determined eligible for listing in the NRHP. Site 35DS1619 has not been evaluated for listing in the NRHP.

- Historic-period site 35DS2010, a segment of the Pilot Butte Canal, intersects the Direct Impact Area at the northern terminus of the three alignment options proposed at Cooley Road. This canal segment has been piped since it was documented as an archaeological site, and the open canal is no longer present. No additional archaeological work is recommended at site 35DS2010.
- The historic-period Oregon Trunk Railway, site 35DS1934, intersects the Direct Impact Area in the southernmost and northernmost portions of the project. The archaeological components of the Oregon Trunk Railway documented as site 35DS1934 will not be impacted by the project at these locations. No additional archaeological work is recommended at site 35DS1934.
- The site boundary of historic-period site 35DS1619 has been documented intersecting the Direct Impact Area. Site 35DS1619, a rock wall, was found in the survey immediately adjacent to and outside of the Direct Impact Area. AINW recommends site 35DS1619 be avoided by the project.

AINW identified two High Probability Areas (HPAs) for archaeological resources and recorded seven archaeological resources—site 21/3111-1, isolate 21/3111-2, site 21/3111-3, site 21/3111-4, site 21/3111-5, site 21/3111-6, and isolate 21/3111-7—within the Direct Impact Area. Site 21/3111-1 is on Deschutes County right-of-way and privately owned land. Isolate 21/3111-2, site 21/3111-3, and site 21/3111-6 are on privately owned land. Sites 21/3111-4 and 21-3111-5 are on land owned by the BLM. Shovel testing was conducted to determine if archaeological resources were present in the HPAs, and to delineate the archaeological resources identified on the surface, except at site 21/3111-1.

AINW recommends pre-contact isolates 21/3111-2 and 21/3111-7 and historic-period sites 21/3111-3, 21/3111-4, 21/3111-5, and 21/3111-6 do not meet the criteria for listing in the NRHP. No additional archaeological work is recommended for these resources. Site 21/3111-1 has not been delineated with shovel tests, and it has not been evaluated for listing in the NRHP. AINW recommends avoiding site 21/3111-1 during project construction. If the Old Deschutes Road option is selected and site 21/3111-1 cannot be avoided, AINW recommends additional work including shovel testing to delineate and evaluate the resource. Archaeological resource forms for the seven newly documented archaeological resources are in the Appendix.

Based on these findings, AINW recommends no further archaeological investigations for the COID Pilot Butte Canal Piping project. AINW recommends a finding of “**No Historic Properties Affected**” for archaeological resources.

ARCHAEOLOGICAL FIELD SURVEY METHODS AND FINDINGS

PEDESTRIAN SURVEY

The archaeological pedestrian survey was conducted on August 30 and 31, and September 5 through 8, 2023, by AINW Staff Archaeologist Lea Loiselle, B.A., and AINW Assistant Project Manager/Supervising Archaeologist Meghan Johnson, M.A., R.P.A. The project was under the overall supervision of AINW Senior Archaeologist Carmen Sarjeant, Ph.D., R.P.A., and AINW President/Senior Archaeologist Jo Reese, M.A., R.P.A.

AINW archaeologists surveyed the Direct Impact Area in parallel transects on both sides of the Pilot Butte Canal, within the 30- to 60-m (100- to 200-ft) wide easement centered on the canal, and up to 10-m (33-ft) wide parallel transects along the Old Deschutes Road and NE 18th Street alignment options between Yeoman and Cooley Roads (see Figure 3). Survey personnel were equipped with a Trimble Geo R1 Global Positioning System (GPS) antenna with submeter accuracy, to record physical attributes of the Direct Impact Area. Kelley Hamby, Operation Manager for COID, accompanied the archaeologists on portions of the survey.

A roughly 0.4-km (0.25-mi) long segment of the west side of the canal between NE Empire Avenue and Yeoman Road was not surveyed due to restricted access. This segment was visually assessed from the east side of the canal during the pedestrian survey. This portion of the Direct Impact Area has been impacted by the development of landscaped residential backyards. This area was determined to be a low-probability area for archaeological resources due to residential development within the last 20 years (Google Earth 2003a, 2005a). No additional survey is recommended for this portion of the Direct Impact Area.

Most of the Direct Impact Area is not located near rivers, creeks, and springs where significant pre-contact resources are likely. Portions of the Direct Impact Area that are adjacent to the Deschutes River, and in the vicinity of previously recorded archaeological resources, were carefully examined. Nearly all the APE near the Deschutes River, which in the Bend segment in the southernmost portion of the Direct Impact Area, has been extensively disturbed by the construction of roads, sidewalks, culverts, and other modern developments and landscaping (Photo 1). The extent of previous ground disturbance within this area has made it unlikely that intact soils remain or that significant archaeological resources are present within the Direct Impact Area near the river. No evidence of an archaeological resource was identified near the Deschutes River in the Direct Impact Area.

During the pedestrian survey, AINW found three previously recorded archaeological resources that intersect the Direct Impact Area (Table 1). Sixteen previously recorded archaeological resources have been documented as intersecting or adjacent to the Direct Impact Area (Tables 1, 2, and 3), and no evidence of these resources extending into the Direct Impact Area was identified in the survey. Seven new archaeological resources (Table 4) (historic-period sites 21/3111-1, 21/3111-3, 21/3111-4, 21/3111-5, and 21/3111-6; and pre-contact isolates 21/3111-2 and 21/3111-7) and two high probability areas (HPA 1 and HPA 2) were identified within the Direct Impact Area during the survey (Figures 2 through 12). The previously recorded resources within and adjacent to the Direct Impact Area are described below. The newly recorded archaeological resources are described after the shovel testing results.

TABLE 4
NEWLY RECORDED ARCHAEOLOGICAL RESOURCES WITHIN THE DIRECT IMPACT AREA

Resource Number	Description	Landowner	AINW NRHP Recommendation	AINW Additional Work Recommendation
21/3111-1	Historic-period debris scatter	Deschutes County ROW & Private (1712150000107)	Unevaluated	Avoid. Project plans to avoid the site. If project plans change and the site cannot be avoided, shovel testing is recommended to delineate the site.
21/3111-2	Pre-contact isolate	Private (1612120000302)	Not Eligible	No Additional Work.
21/3111-3	Historic-period debris scatter	Private (1612110000102)	Not Eligible	No Additional Work.
21/3111-4	Historic-period debris scatter	BLM (1612110000900)	Not Eligible	No Additional Work.
21/3111-5	Historic-period debris scatter	BLM (1612110000900)	Not Eligible	No Additional Work.
21/3111-6	Historic-period debris scatter	Private (1612140000802)	Not Eligible	No Additional Work.
21/3111-7	Pre-contact isolate	City of Bend (1612350000200)	Not Eligible	No Additional Work.



Oregon

Tina Kotek, Governor

Parks and Recreation Department

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oregonheritage.org



December 12, 2024

Ms. Rachel Gebauer
USDA-NRCS
1945 Main St. Ste 200
Klamath Falls, OR 97601

RE: SHPO Case No. 22-0850

NRCS, COID Pilot Butte Canal Pipeline Project

Closed conduit pipeline including staging, excavation, fusing, new pipe, backfill, restoration, reseeding
Multiple legals, Deschutes County

Dear Rachel Gebauer:

Thank you for submitting information for the undertaking referenced above.

Our office has assigned the report SHPO biblio number 35050. Details will be available in the bibliographic database.

For the future determination of eligibility, our office will be very interested to in the tribal consultation that happened and whether the tribes agree with the eligibility statements in the report or any other eligibility statements that NRCS may make.

Additional consultation regarding this case must be sent through Go Digital. In order to help us track the undertaking accurately, reference the SHPO case number above in all correspondence.

Please contact our office if you have any questions, comments or need additional assistance.

Sincerely,

Jamie French, M.A.
Assistant State Archaeologist
(503) 979-7580
Jamie.French@oprds.oregon.gov

cc: Shane Phelps, Parametrix, Inc



State Historic Preservation Office
Oregon Parks and Recreation Department
Heritage Conservation Division
725 Summer St NE, Suite C
Salem, OR 97301

April 14, 2025

Subject: Findings of Effect Document for COID-- Pilot Butte Canal **SHPO Case # 22-0850, PA-173**

Dear Ian and Jamie,

The USDA Natural Resources Conservation Service (NRCS Oregon) is working with the Central Oregon Irrigation District on irrigation improvements for the Pilot Butte Canal in Deschutes County, Oregon. The goals of the modernization project are conserving water and power, reducing maintenance efforts and cost, and increasing reliability in deliveries to District patrons by piping and modernizing the open canal.

Following on earlier submissions of a built environment report on November 7, 2023, Section 106 Forms for the Oregon Trunk Railway-Pilot Butte Canal (OTR-PBC) Railroad crossings on September 5, 2024 (SHPO Case No. 24-1725), and an archaeological survey report on November 20, 2024 (SHPO Report No. 35050), NRCS is submitting a final APE and Finding of Effect document for the preferred alternative of the Pilot Butte Canal project, attached here as the **Section 106 Form and Finding of Effects, for the COID-PBC Redmond Segment**.

The proposed piping of the Downtown Redmond Segment of the Pilot Butte Canal, includes modification to a resource listed on the National Register of Historic Places, the Pilot Butte Canal-Downtown Redmond Segment Historic District, containing three (3) features identified as historic contributing and seventeen (17) features identified as non-historic, non-contributing.

The project as proposed, requiring the removal of the existing, historic contributing elements of the Pilot Butte Canal: Downtown Redmond Segment, will result in the loss of those elements with significant visual and physical impact to existing character. An evaluation of the project under the Assessment of Adverse Effects (USC 36 CRF 800.5) finds that the project will have an effect upon resources listing in the National Register of Historic Places and that such effect is adverse, resulting in **FINDING OF ADVERSE EFFECT**.

NRCS plans to continue consultation with signatory parties for mitigation of the adverse effects to the Pilot Butte Canal through an **amendment to PA-173**.

NRCS will include interested Tribes and consulting parties in consultation over the amendment to PA-173 toward mitigation measures for the COID Pilot Butte Canal modernization project.

Attached you will find materials to support our present consultation effort, including:

- A map and description of the original APE (2022), including the Preferred, Pilot Butte Canal Option (Other Frm_COID-PBC_APE_maps)
- 106 Forms COID-PBC Railroad Crossings- Determination of Eligibility and SHPO Response for OTR-PBC Railroad Crossings (Other Frm_SHPO_Case No._24-1725)
- Findings of Effect for the National Register Listed Pilot Butte Canal -Downtown Redmond Segment (106 Frm_COID-PBC Redmond Segment FOE)

Pursuant to 36 CFR 800.2(c) the consulting parties for this project include:

- The Burns Paiute Tribe
- The Confederated Tribes of the Warm Springs Indian Reservation

In compliance with section 106 of the NHPA of 1966, please provide your concurrence or comment on the following:

- The **Finding of Adverse Effects to Historic Properties** in accordance with 36 CFR 800.5(a).

If you have any questions, please let me know and I will be happy to address them.

Sincerely,

Rachel LS Gebauer

Rachel Smith Gebauer, M.A., RPA
NRCS Oregon State Cultural Resources Specialist

cc. Gary Diridoni, NRCS ASTC for Watershed Resources



State Historic Preservation Office
Oregon Parks and Recreation Department
Heritage Conservation Division
725 Summer St NE, Suite C
Salem, OR 97301

April 14, 2025

Subject: Findings of Effect Document for COID-- Pilot Butte Canal **SHPO Case # 22-0850, PA-173**

Dear Ian and Jamie,

The USDA Natural Resources Conservation Service (NRCS Oregon) is working with the Central Oregon Irrigation District on irrigation improvements for the Pilot Butte Canal in Deschutes County, Oregon. The goals of the modernization project are conserving water and power, reducing maintenance efforts and cost, and increasing reliability in deliveries to District patrons by piping and modernizing the open canal.

Following on earlier submissions of a built environment report on November 7, 2023, Section 106 Forms for the Oregon Trunk Railway-Pilot Butte Canal (OTR-PBC) Railroad crossings on September 5, 2024 (SHPO Case No. 24-1725), and an archaeological survey report on November 20, 2024 (SHPO Report No. 35050), NRCS is submitting a final APE and Finding of Effect document for the preferred alternative of the Pilot Butte Canal project, attached here as the **Section 106 Form and Finding of Effects, for the COID-PBC Redmond Segment**.

The proposed piping of the Downtown Redmond Segment of the Pilot Butte Canal, includes modification to a resource listed on the National Register of Historic Places, the Pilot Butte Canal-Downtown Redmond Segment Historic District, containing three (3) features identified as historic contributing and seventeen (17) features identified as non-historic, non-contributing.

The project as proposed, requiring the removal of the existing, historic contributing elements of the Pilot Butte Canal: Downtown Redmond Segment, will result in the loss of those elements with significant visual and physical impact to existing character. An evaluation of the project under the Assessment of Adverse Effects (USC 36 CRF 800.5) finds that the project will have an effect upon resources listing in the National Register of Historic Places and that such effect is adverse, resulting in **FINDING OF ADVERSE EFFECT**.

NRCS plans to continue consultation with signatory parties for mitigation of the adverse effects to the Pilot Butte Canal through an **amendment to PA-173**.

NRCS will include interested Tribes and consulting parties in consultation over the amendment to PA-173 toward mitigation measures for the COID Pilot Butte Canal modernization project.

Attached you will find materials to support our present consultation effort, including:

- A map and description of the original APE (2022), including the Preferred, Pilot Butte Canal Option (Other Frm_COID-PBC_APE_maps)
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- Findings of Effect for the National Register Listed Pilot Butte Canal -Downtown Redmond Segment (106 Frm_COID-PBC Redmond Segment FOE)

Pursuant to 36 CFR 800.2(c) the consulting parties for this project include:

- The Burns Paiute Tribe
- The Confederated Tribes of the Warm Springs Indian Reservation

In compliance with section 106 of the NHPA of 1966, please provide your concurrence or comment on the following:

- The **Finding of Adverse Effects to Historic Properties** in accordance with 36 CFR 800.5(a).

If you have any questions, please let me know and I will be happy to address them.

Sincerely,

Rachel LS Gebauer

Rachel Smith Gebauer, M.A., RPA
NRCS Oregon State Cultural Resources Specialist

cc. Gary Diridoni, NRCS ASTC for Watershed Resources



Tracy Kennedy, Chair
Burns Paiute Tribe
100 Pasigo Street
Burns, OR 97720

April 17, 2025

Subject: COID Pilot Butte Canal Determination of Effect and PA Amendment

Dear Tracy Kennedy,

The USDA Natural Resources Conservation Service (NRCS Oregon) offers a variety of programs to help farmers, ranchers, family forests, Tribes, and conservation partners perform voluntary conservation on private lands. In accordance with Section 106 of the National Historic Preservation Act of 1966 (NHPA) and its implementing regulations (36 CFR Part 800), the Natural Resources Conservation Service (NRCS) is continuing consultation with you for an undertaking in Deschutes County, providing assistance to the Central Oregon Irrigation District with a project to modernize the Pilot Butte Canal by replacing the open canal with pressurized pipe. The intent of the project is to conserve water, power and maintenance efforts.

We are including the original **APE for the project**, sent to you in May 2022, and identifying the preferred alternative, a segment of the Canal which is listed on the National Register of Historic Places. The Area of Potential Effect (APE) includes the parcels that intersect or abut the Direct Impact Area for the project. The Direct Impact Area of the APE includes discontinuous segments of the Pilot Butte canal that total 27 kilometers (km) (17 miles [mi]) between Riverview Park at the Deschutes River, west of Division Street in Bend, to NE Yucca Avenue, northeast of Redmond (Figure 2). The Direct Impact Area encompasses the 30- to 60-meter (m) (100- to 200-foot [ft]) wide easement centered on the canal. These segments of the district-owned canal will be piped and buried.

Both an archaeological survey report (sent to you in November 2024), and an initial above ground survey the included **Section 106 Documentation Form of the listed Downtown Redmond Segment** of the Canal include a **Finding of Adverse Effect** for piping the Canal segment. The Downtown Redmond segment of the PBC is an approximately 6,780-foot-long segment located entirely within multiple Deschutes County parcels. The Downtown Redmond Segment of the PBC is oriented generally north-south between NW Canal Boulevard on the west and U.S. Route 97 (The Dalles-California Highway) on the east. The segment runs, approximately, from NW Quince Avenue on the north, to NW Dogwood Avenue on the south. The proposed project will include modification to the resource listed on the National Register, including the loss of elements with significant visual and physical impact to the character of the Canal.

In accordance with 36 CFR 800.4(d)(1)(iv)(D) and 36CFR 800.6(b)(3-7), NRCS Oregon is proposing to **amend the existing Programmatic Agreement between COID, NRCS, Bureau of Reclamation and**

Oregon SHPO to include additional Stipulations to mitigate for the loss of this segment by highlighting the history and significance of the Pilot Butte Canal. These Stipulations include the development of a pocket park within the right-of-way of the Canal within the Redmond Segment Historic District, Retaining salvaged elements from the historic canal during the modernization project and incorporating them into the park. Additionally, a video documentary on the history of the irrigation district, focusing on the Pilot Butte Canal, and two entries to the online Oregon Encyclopedia documenting irrigation in Central Oregon and its impact of the development of the region. A print publication on the history of irrigation efforts in Central Oregon, to include photos from COID and the Bureau of Reclamation, will also be published.

Please see the attached documents for more information:

- **Final APE for the COID- Pilot Butte Canal Project**
- **The Section 106 Documentation Form and Finding of Effect**
- **A draft amendment to PA-17, Central Oregon Project System of Canals and Laterals.**

We are requesting your review of this project and your comments on our **final APE, Determination of Eligibility and Finding of Effect**. If you would like to meet with NRCS or if you have further questions comments on our **draft Amendment to Programmatic Agreement PA-173**, please contact Rachel Gebauer at rachel.gebauer@usda.gov or (541)887-3511.

Sincerely,

Rachel LS Gebauer

Rachel Smith Gebauer, M.A., RPA
Oregon NRCS State Archaeologist



Jonathan W. Smith Sr., Chair
Confederated Tribes of the Warm Springs Reservation in Oregon
1233 Veterans Way, P.O. Box C
Warm Springs, Oregon 97761

April 17, 2025

Subject: COID Pilot Butte Canal Determination of Effect and PA Amendment

Dear Chairman Smith,

The USDA Natural Resources Conservation Service (NRCS Oregon) offers a variety of programs to help farmers, ranchers, family forests, Tribes, and conservation partners perform voluntary conservation on private lands. In accordance with Section 106 of the National Historic Preservation Act of 1966 (NHPA) and its implementing regulations (36 CFR Part 800), the Natural Resources Conservation Service (NRCS) is continuing consultation with you for an undertaking in Deschutes County, providing assistance to the Central Oregon Irrigation District with a project to modernize the Pilot Butte Canal by replacing the open canal with pressurized pipe. The intent of the project is to conserve water, power and maintenance efforts.

We are including the original **APE for the project**, sent to you in May 2022, and identifying the preferred alternative, a segment of the Canal which is listed on the National Register of Historic Places. The Area of Potential Effect (APE) includes the parcels that intersect or abut the Direct Impact Area for the project. The Direct Impact Area of the APE includes discontinuous segments of the Pilot Butte canal that total 27 kilometers (km) (17 miles [mi]) between Riverview Park at the Deschutes River, west of Division Street in Bend, to NE Yucca Avenue, northeast of Redmond (Figure 2). The Direct Impact Area encompasses the 30- to 60-meter (m) (100- to 200-foot [ft]) wide easement centered on the canal. These segments of the district-owned canal will be piped and buried.

Both an archaeological survey report (sent to you in November 2024), and an initial above ground survey the included **Section 106 Documentation Form of the listed Downtown Redmond Segment** of the Canal include a **Finding of Adverse Effect** for piping the Canal segment. The Downtown Redmond segment of the PBC is an approximately 6,780-foot-long segment located entirely within multiple Deschutes County parcels. The Downtown Redmond Segment of the PBC is oriented generally north-south between NW Canal Boulevard on the west and U.S. Route 97 (The Dalles-California Highway) on the east. The segment runs, approximately, from NW Quince Avenue on the north, to NW Dogwood Avenue on the south. The proposed project will include modification to the resource listed on the National Register, including the loss of elements with significant visual and physical impact to the character of the Canal.

In accordance with 36 CFR 800.4(d)(1)(iv)(D) and 36CFR 800.6(b)(3-7), NRCS Oregon is proposing to **amend the existing Programmatic Agreement between COID, NRCS, Bureau of Reclamation and Oregon SHPO** to include additional Stipulations to mitigate for the loss of this segment by highlighting the history and significance of the Pilot Butte Canal. These Stipulations include the development of a pocket park within the right-of-way of the Canal within the Redmond Segment Historic District, Retaining salvaged elements from the historic canal during the modernization project and incorporating them into the park. Additionally, a video documentary on the history of the irrigation district, focusing on the Pilot Butte Canal, and two entries to the online Oregon Encyclopedia documenting irrigation in Central Oregon and its impact of the development of the region. A print publication on the history of irrigation efforts in Central Oregon, to include photos from COID and the Bureau of Reclamation, will also be published.

Please see the attached documents for more information:

- **Final APE for the COID- Pilot Butte Canal Project**
- **The Section 106 Documentation Form and Finding of Effect**
- **A draft amendment to PA-17, Central Oregon Project System of Canals and Laterals.**

We are requesting your review of this project and your comments on our **final APE, Determination of Eligibility and Finding of Effect**. If you have further questions or would like to offer comments on our **draft Amendment to Programmatic Agreement PA-173**, please contact Rachel Gebauer at rachel.gebauer@usda.gov or (541)887-3511.

Sincerely,

Rachel LS Gebauer

Rachel Smith Gebauer, M.A., RPA
Oregon NRCS State Archaeologist



Oregon

Tina Kotek, Governor

Parks and Recreation Department

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May 13, 2025

Ms. Rachel Gebauer
USDA-NRCS
1945 Main St. Ste 200
Klamath Falls, OR 97601

RE: SHPO Case No. PA-173
(COID) Central Oregon Project System of Canals, Laterals, and Associated Irrigation Features and
Facilities
, Deschutes County

Dear Rachel Gebauer:

Thank you for submitting information for the undertaking referenced above. We concur that there will be an adverse effect to the National Register listed Redmond Segment of the Pilot Butte Canal and look forward to developing an appropriate approach toward mitigating the adverse effect.

Regarding the Oregon Trunk Railway bridge crossings at NE Butler Market Rd and NE King Way, we concur that they are contributing structures to the National Register-eligible Oregon Trunk Railway District and that the removal of these structures as part of the piping of the Pilot Butte Canal does not adversely affect the district due to the overall scale of the District.

If you have not already done so, be sure to consult with all appropriate Native American tribes and interested parties regarding the proposed undertaking. Additional consultation regarding this case must be sent through Go Digital. In order to help us track the undertaking accurately, reference the SHPO case number above in all correspondence.

Please contact our office if you have any questions, comments or need additional assistance.

Sincerely,

Robert T. Olguin

Robert Olguin
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cc:

Programmatic Agreement Correspondence



Oregon

Tina Kotek, Governor

Parks and Recreation Department

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September 30, 2024

Ms. Rachel Gebauer
USDA-NRCS
1945 Main St. Ste 200
Klamath Falls, OR 97601

RE: SHPO Case No. PA-173
(COID) Central Oregon Project System of Canals, Laterals, and Associated Irrigation Features and Facilities

Dear Rachel Gebauer:

The Oregon SHPO sincerely appreciates and fully supports the Central Oregon Irrigation District's commitment to continued consultation to find a mutually agreeable solution to amend rather than terminate the Programmatic Agreement for the project referenced in the subject line of this letter. We understand that the new consultation period will extend until October 27th, 2024, unless the involved parties agree to a different date.

We look forward to continued consultation with the involved parties. Please contact me with any concerns or needs.

Sincerely,

Ian P. Johnson, M.A.
Associate Deputy SHPO
(971) 718-1137
ian.johnson@oprds.oregon.gov

cc: Chris Horting-Jones, Bureau of Reclamation
Craig Horrell, Central Oregon Irrigation District
Bill Marzella, Advisory Council on Historic Preservation
Alexis Clark, Advisory Council on Historic Preservation
Shane Phelps, Parametrix, Inc



United States Department of Agriculture

Natural
Resources
Conservation
Service

Oregon State Office
1201 NE Lloyd Blvd,
Suite 900
Portland, OR 97232

October 23, 2024

Ian Johnson
State Historic Preservation Office
725 Summer Street NE, Suite C
Salem, OR 97301

RE: COID PA-173

Dear Ian,

The US Department of Agriculture-Natural Resources Conservation Service (NRCS) will be taking the Lead in reviewing the COID Programmatic Agreement between COID, Bureau of Reclamation, SHPO and NRCS. We are committed to continued consultation between the signatories of this agreement to come to a mutually agreeable solution.

Following the letter sent by COID on September 6, 2024, with intention to terminate the agreement, we had discussions with the District about alternatives to termination, including negotiating amendments to the document that could be mutually agreeable by all signatories.

This resulted in COID's letter of September 27, 2024, stating that they would like to consider other possible solutions including the potential for an amendment. To date, we have been working on potential amendment language to propose to signatories of the Agreement.

NRCS appreciates that Oregon SHPO supports the ongoing consultation regarding this agreement, rather than proceeding with termination.

Following a letter requesting an extension of the amendment consideration, by COID on October 23, 2024, NRCS would support that request for an extension of 45 days.

We intend to follow up soon, with suggested amendment language to all signatories for consideration.

Thank you for your support as we work toward finding a mutually agreeable solution.

Sincerely,

Rachel LS Gebauer

Rachel Gebauer, M.A., RPA
Acting State Cultural Resource Specialist, USDA-NRCS
541-887-3511
rachel.gebauer@usda.gov

cc: Chris Horting-Jones, Bureau of Reclamation
Craig Horrell, Central Oregon Irrigation District
Shane Phelps, Parametrix, Inc.
Gary Diridoni, NRCS, ASTC Watershed Resources

Jennifer Hughes

From: Gebauer, Rachel - FPAC-NRCS, OR <rachel.gebauer@usda.gov>
Sent: Wednesday, November 6, 2024 4:43 PM
To: JOHNSON Ian * OPRD
Cc: chortingjones@usbr.gov; CraigHorrell; Diridoni, Gary - NRCS, Portland, OR; Shane Phelps; Bill Marzella (bmarzella@achp.gov); Alexis Clark; Seibert, Erika - FPAC-NRCS, DC
Subject: SHPO Case No. PA-173 (COID) Central Oregon Project System of Canals, Laterals and Associated Irrigation Features and Facilities
Attachments: Attachment_COID SHPO Programmatic Agreement 2024.10.29_draft_rev11062024.pdf; Cvr Let_PA-173_amendment_language_2024.11.06.pdf

Hello Ian,

Attached is a letter and a document with proposed amendment language to PA-173. We appreciate the continued consultation regarding this PA and look forward to your comments.

Thank you,

Rachel

Rachel Smith Gebauer M.A., RPA ([she/her](#))

Acting State Cultural Resource Specialist/ Archaeologist
 1945 Main St., Suite 200, Klamath Falls, Oregon 97601



Natural Resources Conservation Service
 U.S. DEPARTMENT OF AGRICULTURE

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United States Department of Agriculture

Natural
Resources
Conservation
Service

Oregon State Office
1201 NE Lloyd Blvd,
Suite 900
Portland, OR 97232

November 6, 2024

Ian Johnson
State Historic Preservation Office
725 Summer Street NE, Suite C
Salem, OR 97301

RE: COID PA-173 amendment language

Dear Ian,

The US Department of Agriculture-Natural Resources Conservation Service (NRCS) is committed to continued consultation between the signatories of this agreement to come to a mutually agreeable solution.

Included here is a document with suggested amendment language to the existing PA-173. This document is being sent to all the signatories of PA-173, including COID and Reclamation.

NRCS appreciates that Oregon SHPO supports the ongoing consultation regarding this agreement. The suggested changes appear in red, the majority of which are within Part III.D Management of Resources.

Thank you for your consideration of the proposed changes to the Agreement.

Sincerely,

Rachel LS Gebauer

Rachel Gebauer, M.A., RPA
Acting State Cultural Resource Specialist, USDA-NRCS
541-887-3511
rachel.gebauer@usda.gov

cc: Chris Horting-Jones, Bureau of Reclamation
Craig Horrell, Central Oregon Irrigation District
Gary Diridoni, NRCS, ASTC Watershed Resources

PROGRAMMATIC AGREEMENT AMONG THE
U.S. DEPARTMENT OF THE INTERIOR, BUREAU OF RECLAMATION,
COLUMBIA-CASCADES AREA OFFICE, **THE NATURAL RESOURCES**
****CONSERVATION SERVICE**, THE OREGON STATE HISTORIC PRESERVATION**
OFFICE, AND THE CENTRAL OREGON IRRIGATION DISTRICT

REGARDING

COMPLIANCE WITH SECTION 106 OF THE NATIONAL HISTORIC
PRESERVATION ACT FOR CERTAIN ACTIVITIES INVOLVING THE CENTRAL
OREGON PROJECT SYSTEM OF CANALS, LATERALS, AND ASSOCIATED
IRRIGATION FEATURES AND FACILITIES

WHEREAS, the Central Oregon Irrigation District (COID) operates and maintains irrigation systems, including the Pilot Butte and Central Oregon canals and those canals, dams, laterals, sub-laterals, ditches, and their associated features and facilities, and also known as the Central Oregon Project (Map - Appendix A), as defined in the Multiple Property Document, *Carey and Reclamation Act Irrigation Projects in Oregon, 1901-1978* (MPD), accepted by the National Park Service on July 10, 2017 (NRIS# MC100001302); and

WHEREAS, U.S. Bureau of Reclamation (Reclamation) determined, and the Oregon State Historic Preservation Officer (SHPO) concurred, that the Central Oregon Project is eligible for listing in the National Register of Historic Places (National Register) as a historic district, subsequently affirmed by the National Park Service through acceptance of the MPD; and

WHEREAS, Reclamation, the SHPO, and COID executed a Memorandum of Agreement #R14MA13733 in 2014 (2014 MOA – see Appendix E) pursuant to 36 CFR § 800.6. Execution of this Programmatic Agreement (PA) fulfills Stipulation 3.B.1 of the 2014 MOA. Upon completion of its implementing actions in Section 3, the 2014 MOA will programmatically mitigate adverse effects to contributing features and structures in the Central Oregon Project which are not individually eligible for listing to the National Register; and

WHEREAS, COID pursued completion of the implementing actions of the 2014 MOA in good faith and has completed 1) an inventory, reconnaissance level survey (RLS), with a GIS-based database identifying the contributing and non-contributing features of the COID historic system and other relevant data; and 2) a National Register Multiple Property Document for the Carey and Reclamation Acts Irrigation projects in Oregon, 1901-1978 (MPD). COID committed to interpretation and nomination of segments of the Pilot Butte Canal and the Central Oregon Canal to the National Register. These segments are identified as the Pilot Butte Canal: Downtown Redmond Segment Historic District and Central Oregon Canal Historic District: Ward Road - Gosney Road Segment; and

WHEREAS, Reclamation, **Natural Resources Conservation Services (NRCS)** and other federal agencies may provide federal grant funding or other authorizations to COID for piping, modifications, and system upgrades within the District; and

WHEREAS Reclamation, in acknowledgement of its continued responsibility to engage in meaningful consultation with tribes, invited the Confederated Tribes of Warm Springs to be a consulting party to this PA; and

WHEREAS, Reclamation and any other federal agency that may sign this agreement acknowledges its continued responsibility to engage in meaningful consultation with tribes (See 54 USC § 302706, Executive Order 13175 and the November 5, 2009, Presidential Memorandum on Tribal Consultation) throughout the process of carrying out the stipulations of this agreement; and

WHEREAS, Reclamation notified the Advisory Council on Historic Preservation (Council) of its desire to satisfy its Section 106 responsibilities for undertakings that may affect COID in a programmatic manner, and invited the Council's comments and participation in the review of this PA, pursuant to 36 CFR § 800.6(a)(1), and the Council declined to formally participate in development of the PA or to be a signatory; and

WHEREAS, COID and SHPO may address COID's obligations under Oregon Revised Statute 358.653 in a separate programmatic agreement; and

WHEREAS, on December 31, 2020, the US Fish & Wildlife Service finalized and approved the Deschutes Basin Habitat Plan (HCP); and

WHEREAS, the Deschutes Basin HCP includes required mitigation measures, to restore flows and in turn benefit impacted species; and

WHEREAS, NRCS, under provisions of Section VII(A) of this document, signed the Programmatic Agreement on March 7, 2023; and

NOW THEREFORE, Reclamation, **NRCS**, and any other federal agency that may sign this agreement, the SHPO, and COID (Parties) agree that where federal funding, permitting or authorization of covered undertakings (See Section III (A)(1)) comply with the procedures of this PA, such compliance will satisfy the federal agency's responsibilities under Section 106 of the National Historic Preservation Act, as amended (54 USC § 306108) for addressing the effects of these undertakings on historic properties.

I. PURPOSE AND INTENT

The purpose of this PA is to establish procedures that the Parties will use to fulfill the consultation process described in 36 CFR Part 800 related to the piping, repair, and maintenance of the COID canal system and its related features. This PA:

- Establishes procedures to use the MPD to evaluate unevaluated features and segments of the COID canal system regarding their eligibility for listing in the National Register;
- Addresses adverse effects to individually eligible irrigation-related, built resources within the COID system, not programmatically mitigated by the MOA that mandated this PA;
- Identifies routine and minor COID activities that would have "no effect" or "no adverse effect" to historic properties, and would not require standard review under 36 CFR §§ 800.3-800.6;

- Provides procedures to streamline implementation of undertakings related to piping of irrigation canals, laterals, and sub-laterals where archaeological survey resulted in no archaeological materials identified;
- Provides a protocol for addressing inadvertent or unanticipated discoveries of archaeological resources including those of religious and cultural significance to Indian Tribes;
- Establishes management procedures for National Register-listed segments and elements that the COID committed to preserve.

II. ROLES AND RESPONSIBILITIES

Each agency will be responsible for activities as follows:

- A. The signatory Federal agency who funds, permits or authorizes the covered undertaking will serve as the lead Federal agency as defined under 36 CFR § 800.2. The lead federal agency will be responsible for ensuring the completion of cultural resource documentation and archaeological survey reporting; assembling all submissions to SHPO; and resolving SHPO comments regarding compliance determinations made pursuant to this PA. In the event multiple federal agencies fund a single covered undertaking, the agencies will identify a lead federal agency and notify COID and SHPO.
- B. COID will be responsible for providing annual reporting of activities undertaken by COID where the provisions of this PA are applied. Annual reporting will describe all activities conducted during the reporting period that fall within the categories of activities listed in Procedures (Section III) below, and Appendices B and D. The lead federal agency will have 15 calendar days from receipt for an internal review of these documents before forwarding to SHPO for review. All documents provided will meet standards established under 36 CFR § 800.11. Electronic correspondence between the lead federal agency and COID is acceptable and encouraged during the internal review.
- C. The lead federal agency will be the point of contact for any inadvertent or unanticipated cultural resources, and will consult with the SHPO, COID, and other consulting parties consistent with Section III.C and Appendix D.
- D. Within 60 days of signing this PA, each signatory and any other consulting party will designate a primary point of contact for carrying out this PA, and provide contact information for that individual to Reclamation. If more than one person is designated as a primary contact, the party will also indicate the responsibilities of each such person for carrying out this PA. A list of primary contacts is provided as Appendix C and will be updated annually, as needed.
- E. All cultural resources technical activities conducted pursuant to this PA will be carried out by, or under the direct supervision of, persons meeting the relevant Secretary of the Interior's Professional Qualification Standards (36 CFR Part 61, Appendix A).

III. PROCEDURES

A. APPLICABILITY

1. **Covered undertakings.** These procedures apply to COID projects or activities
Covered undertakings also include:
 - a. exempt activities with no potential to cause adverse effects to historic resources, listed in Appendix B;
 - b. activities involving the inadvertent discovery of cultural resources (Section III.C and Appendix C); and
2. **Covered undertakings do not require further consultation.** Upon completion of the implementing actions of the 2014 MOA, adverse effects resulting from conversion of open irrigation conveyance systems to subterranean pipes will be fully mitigated and the lead agency may carry out, authorize, or fund these undertakings without further consultation with the SHPO.
3. **Undertakings not covered by this PA will include:**
 - a. Those that affect properties that are individually listed, or are determined to be individually eligible for listing in the National Register (Section III.B.2); and
 - b. Those where a cultural resource survey under Section III.C determines the undertaking may impact archaeological resources and that those impacts cannot be avoided
 - c. Historic properties not related to the Central Oregon Project that may be affected by an undertaking. Effects to such properties are not covered by this agreement.
4. Unless otherwise noted in this agreement, the signatories will use the procedures identified below in place of those identified at 36 CFR §§ 800.3 - 800.13.

B. PROCEDURES: BUILT ENVIRONMENT HISTORIC PROPERTIES

1. The parties will use the stepped processes in this section in lieu of the process at 36 CFR § 800.4-800.6 for covered undertakings with respect to impacts on built environment historic properties, unless the activity does not require further review under Appendix B of this agreement, or unless the activity is subject to Section III.D of this agreement.
2. **Built Environment Evaluation Standards.** The Parties will use the MPD and RLS to identify individually eligible features and segments of the canal system to be managed under this PA and any subsequent documents created as part of the process addressing adverse effects of future piping projects.
3. **Built Environment Surveys and Amendments.** COID or the lead federal agency will amend the RLS, as necessary, using the evaluation standards described in the MPD, to evaluate the eligibility of any previously unevaluated elements or segments that are subject to an undertaking. The survey amendments will include all categories

of information collected for the original RLS, including, but not limited to: location/address; GIS data; photograph; year built/alterd; construction materials; structure type/style; original use; specific notes/comments; evaluation conclusion or National Register status (non- contributing, contributing, or individually eligible); and date of survey amendment. If performed by COID, COID will notify the lead federal agency of the RLS amendment and any conclusions in writing. Within 15 days of receipt of notification, the lead federal agency will use the MPD to accept or revise the conclusions of the amendment regarding National Register status.

4. **Public Comment and SHPO Review.** If the lead federal agency determines that no individually eligible segments are within the Area of Potential Effect for the undertaking, COID will provide the public 30 days to comment. COID will then forward all comments received during the comment period to SHPO and the lead federal agency. SHPO will review the evaluation and received comments and provide any comments it may have to the lead federal agency within 30 days of receipt. The lead federal agency will consider and address any comments SHPO may provide within 30 days of receipt. If the lead federal agency receives no comment from SHPO, they will make the Determination of Eligibility and the project may proceed.
5. **Amendment Reporting and Eligibility Determinations.** If no features or elements are individually eligible, COID will forward the amended RLS data to the lead federal agency who will submit the data to SHPO for inclusion in the Oregon Historic Sites Database. Upon submittal to the SHPO of these data, COID may proceed with the covered undertaking without further consultation. A summary of survey amendments and eligibility determinations will be provided to the SHPO as part of the annual report (See Part IV (B)).
6. **Consultation on Individually Eligible Features or Segments.** If the lead federal agency determines a feature or segment is individually eligible, the lead federal agency will determine whether the undertaking will adversely affect the resource and, if necessary, consult with SHPO using the procedures in 36 CFR § 800.6.

C. PROCEDURES: ARCHAEOLOGICAL HISTORIC PROPERTIES

1. The parties will use the stepped processes in this section in lieu of the process at 36 CFR §§ 800.4-800.6 for covered undertakings with respect to impacts on archaeological historic properties, unless the activity does not require review under Section III.A of this agreement, or the activity is subject to Section III.D of this agreement.
2. **Inadvertent Discoveries of Archaeological Resources.** If there are inadvertent or unanticipated discoveries of archaeological resources during implementation of any undertakings covered under this PA, the lead federal agency and COID will implement the inadvertent discovery plan (Appendix D) and consult with the SHPO to develop a plan for the treatment of the property.
3. **Requirement for Cultural Resource Surveys.** For any undertaking involving ground-disturbing activities that may affect previously undisturbed surface or subsurface soils, including previously mitigated and exempt undertakings, COID will

conduct a cultural resources survey to identify the potential for archaeological resources within the APE.

- a. “Previously undisturbed soils” are considered any surface or subsurface area(s) outside the width and depth of the cross sections, or prisms, of the canals, laterals, sub-laterals, and ditches that comprise the Central Oregon Project, inclusive of the berms and embankments created by their construction, which often consist of flanking ditch rider roads, and which may have been deposited on undisturbed soils.
 - b. “Ground-disturbing activities” are considered any activity that involves the movement or removal of surface soil, or excavation of soils for an undertaking, including but not limited to digging, drilling, and grading, and the activities and staging of heavy equipment.
4. **Cultural Resource Surveys, Standards.** Cultural resource surveys and reports will address cultural resources including those of religious or cultural importance to Indian tribes, as ascertained through tribal consultation. All cultural resources surveys will meet requirements of the most recent Guidelines for Conducting Field Archaeology in Oregon, and be carried out by a qualified archaeologist, as defined by the Secretary of the Interior’s Professional Qualification Standards (36 CFR Part 61, Appendix A).
 5. **Notice of No Archaeological Resources Detected.** If the cultural resources survey does not identify archaeological resources within the area of potential effect, COID will notify the lead federal agency in writing that no archaeological resources were detected and include a copy of the cultural resource survey report. For covered undertakings, this document may be combined with a finding of no adverse effect to historic properties determination. The lead federal agency has 15 days from receipt to review and accept the report. The lead federal agency will then provide a copy to SHPO with the annual report, and COID may proceed with the undertaking.
 6. **Consultation on Archaeological Resources identified during survey.** If archaeological resources (including properties of traditional religious and cultural importance to an Indian tribe, per 36 CFR § 800.16(l)(1)) are found within the area of potential effects, COID will provide the lead federal agency a copy of the cultural resources survey, and the lead federal agency will initiate consultation with the SHPO and appropriate Tribes using the Section 106 process defined at 36 CFR §§ 800.2-800.13. Consultation on archaeological resources may be combined with any consultation regarding built environment historic properties required by this agreement.
 7. **Adverse Effects.** Adverse effects to eligible archaeological sites must be resolved according to the provisions of 36 CFR § 800.6. Mitigation measures will be determined through consultation with the SHPO and other appropriate parties.

D. MANAGEMENT OF RESOURCES

The listed historic properties COID committed to preserve will be maintained **to the extent feasible** such that the historic integrity of and identification of the historic property **will remain** representative of an irrigation conveyance system, in accordance with the Secretary of the Interior's Standards for the Treatment of Historic Properties (see 36 CFR Part 68).

1. The historic character will be retained and preserved **to the extent feasible**. The replacement of intact or repairable historic materials or alteration of features, spaces and spatial relationships that characterize a property will be avoided **to the extent feasible**. **If an undertaking will result in an adverse effect to listed properties, COID will resolve the adverse effect according to the provisions of 36 CFR § 800.6. Mitigation measures will be determined through consultation with the SHPO and other appropriate parties.**
2. Each property will be recognized as a physical record of its time, place and use. Work needed to stabilize, consolidate and conserve existing historic materials and features will be physically and visually compatible, identifiable upon close inspection and properly documented for future research.
3. Changes to a property that have acquired historic significance in their own right will be retained and preserved **to the extent feasible**.
4. Distinctive materials, features, finishes and construction techniques or examples of craftsmanship that characterize a property will be preserved **to the extent feasible**.
5. The existing condition of historic features will be evaluated to determine the appropriate level of intervention needed. Where the severity of deterioration requires repair or limited replacement of a distinctive feature, the new material will match the old in composition, design, color and texture.

IV. REPORTING

A. **Documentation Requirements.** Documents prepared in support of this agreement will satisfy those standards identified in 36 CFR § 800.11, the most recent SHPO Built Resources Survey Guidelines, and State of Oregon Guidelines for Reporting on Archaeological Investigations, unless otherwise defined in this document. Submission to SHPO will be made through the most current SHPO submission process.

B. **Annual Report.** The annual report will include the following:

1. A summary of all activities taken to fulfill the terms of this PA during the previous year, any problems encountered in fulfilling its terms, and suggestions for amendments to the PA.
2. A list of historic properties that were affected by activities completed under the PA during the previous reporting period, including the type and extent of historic property documentation conducted related to the covered undertakings, any determinations regarding the individual eligibility of a feature or segment (Section III.B), any unanticipated discoveries which occurred (Section III.C[2]), any

emergency situations (Section III.D), and negative archaeological survey data (Section III.C[5]).

3. A summary of exempt activities that occurred during the PA reporting period. COID will document each Exempt Activity with a spreadsheet, that describes the Exempt Activity, its location, and start date, end date or projected end date. The descriptions will indicate which Exempt Activity category applies to the action, as per Appendix B. Updates to the RLS where upgrades or system modifications have occurred during the reporting year will be completed, and updated data will be provided.
4. Work proposed for the upcoming reporting period that is subject to this PA.
5. Updates to points of contact (Appendix C), as needed.

Timing and Review of Annual Report. COID will prepare and submit an annual report to all lead federal agencies responsible for undertakings that year. It will be reviewed and signed by all lead federal agencies, and then submitted to SHPO for review and signature. SHPO will provide a fully signed copy to all relevant signatories. The first annual report will be issued on November 15, 2019, and annually thereafter. Each annual report will be submitted to the relevant lead federal agency for transmittal to SHPO. A copy of each annual report will also be provided to any other signatories of the PA. The lead federal agency or SHPO will raise any concerns they may have regarding the annual report by close of business 30 days after submitted. No response by the lead federal agency or SHPO within 30 days is considered approval of the report.

- C. **Request for Project File.** The SHPO may request project files for any activity carried out pursuant to this PA. COID and relevant lead federal agencies will cooperate with the SHPO to provide the documentation and review project files for an undertaking.

V. DISPUTE RESOLUTION

- A. Should any signatory to this PA object in writing at any time to any activities proposed pursuant to the terms of this PA, the lead federal agencies will consult with the objecting party and the SHPO to resolve the objection. If, after 30 days from receiving written notification, the lead federal agency determines that the objection cannot be resolved, they will:
 1. Forward all documentation relevant to the dispute, including the lead federal agency's proposed resolution, to the Council. The Council will provide the lead federal agency with its advice on the resolution of the objection within 30 calendar days of receiving adequate documentation. Prior to reaching a final decision on the dispute, the lead federal agency will prepare a written response that takes into account any timely advice or comments regarding the dispute from the Council, signatories, and concurring parties, and provide them with a copy of this written response within 30 days of receipt of Council comments. The lead federal agency will then proceed according to its final decision.
 2. If the Council does not provide its advice regarding the dispute within 30 calendar days, the lead federal agency will, from the expiration of the Council's comment period, have 30 days within which to make a final decision on the dispute, and will

- proceed accordingly. Prior to reaching such final decision, the lead federal agency will prepare a written response that takes into account any timely comments regarding the dispute from the signatories and concurring parties to the PA, and provide them and the Council with a copy of such written response.
- B. Parties' responsibilities to carry out all other actions under this PA that are not the subject of an ongoing dispute remain unchanged.
 - C. All timelines in this section can be modified at the mutual agreement of the relevant signatories.

VI. DURATION

This PA will become effective on the date of the initial submission to Council, and will remain in effect for a period of ten years unless extended pursuant to Section VI.B, below, or terminated in accordance with Section VII.

- A. As needed, the signatories will review this agreement five years after this agreement becomes effective and every five years thereafter and amend the document as necessary, upon agreement of the signatories. The agreement may be extended for an additional ten years (with an additional five-year review), subject to agreement of all signatories. All 5-year and 10-year reviews should include representatives of Reclamation, other federal agencies that have signed this agreement, SHPO, and COID.
- B. All timelines in this section can be modified at the mutual agreement of the relevant signatories.

VII. AMENDMENT, NON-COMPLIANCE, AND TERMINATION

- A. **Additional Federal Agencies.** Additional federal agencies that may carry-out, authorize or fund the kinds of covered undertakings described in this agreement may join the agreement by providing a signed signature page to the other signatories at least 90 days prior to an undertaking. Any agencies requesting to be added to this agreement must meet all requirements and obligations within this agreement, including professional qualifications.
- B. **Amendment.** Any signatory may request amendment of this PA to the other signatories and consulting parties in writing. The lead federal agency will consult with the signatories for up to 30 calendar days concerning the necessity and appropriateness of the proposed amendment. Any signatory or consulting party may request the involvement of the Council during the amendment process. At the end of the consultation period the lead federal agency will provide an amended document for signature by the signatories or a written statement describing why the proposed lead federal agency chose not to pursue an amendment to this document. Amendments will be effective on the date a copy of the document signed by all of the signatories is filed with the Council. Any Signatory to this PA may propose that any appendix be modified or removed at any time upon written agreement of the Signatories to this PA. Amendments to Appendices may be made, if agreed to by all signatories, without consulting the Council.

- C. Termination. If any signatory to this PA determines that its terms will not or cannot be carried out, that party will immediately provide written notification to the lead federal agency and consult with the other signatories to attempt to develop an amendment per Stipulation VII.B, above. If an amendment cannot be reached within 30 days (or another time period agreed to by all signatories) from the notice opening consultation under this provision, any signatory may terminate the PA upon written notification to the other signatories.

Once the PA is terminated, and prior to work continuing on the undertaking, Reclamation, any additional federal agencies that may sign onto this agreement, COID, and SHPO must either (a) execute another PA pursuant to 36 CFR § 800.6 or (b) request, take into account, and respond to the comments of the Council under 36 CFR § 800.7, or (c) the lead federal agency will comply with standard consultation as defined in 36 CFR § 800.3-13. The lead federal agency will notify the signatories as to the course of action it will pursue.

- D. **Replacement.** This agreement may be replaced by another subsequent agreement that explicitly terminates or supersedes this agreement, or by the lead federal agency's implementation of Alternate Procedures, pursuant to 36 CFR § 800.14(a), or of supplanting regulations.
- E. All timelines in this section can be modified at the mutual agreement of the relevant signatories.

VIII. GENERAL PROVISIONS

- A. This agreement is neither a fiscal nor a funds obligating document. Any endeavor or transfer of anything of value involving reimbursement or contribution of funds between the parties of this agreement will be handled in accordance with applicable laws, regulations, and procedures including those for government procurement and printing. Such endeavors will be outlined in separate agreements that will be made in writing by representatives of the parties and will be independently authorized by appropriate statutory authority. This PA does not provide such authority.
- B. Nothing herein will be construed to obligate the lead federal agency to expend or involve the United States of America in any contract or other obligation for the future payment of money in excess of the appropriations authorized by law and administratively allocated for the purposes and projects contemplated hereunder.
- C. No member of or delegate to Congress, or resident Commissioner, will be admitted to any share or part of the PA or to any benefit that may arise out of it.
- D. This agreement does not alter, amend, repeal, interpret or modify tribal sovereignty, any treaty rights, or other rights of an Indian tribe. This PA also does not alter the existing government-to-government relationship between the federal government and Indian tribes.

IX. EXECUTION OF THIS PROGRAMMATIC AGREEMENT IN COUNTERPARTS

This PA may be executed in counterparts, with a separate page for each signatory. Reclamation will ensure that each party is provided with a copy of the fully executed PA.

EXECUTION of this PA by Reclamation, the SHPO, and COID and implementation of its terms, is evidence that Reclamation has taken into account the effects of these undertakings on historic properties and afforded the Council an opportunity to comment.



Oregon

Tina Kotek, Governor

Parks and Recreation Department

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State Historic Preservation Office
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November 25, 2024

Ms. Rachel Gebauer
USDA-NRCS
1945 Main St. Ste 200
Klamath Falls, OR 97601

RE: SHPO Case No. PA-173
(COID) Central Oregon Project System of Canals, Laterals, and Associated Irrigation Features and Facilities

Dear Rachel Gebauer:

The Oregon SHPO appreciates the Natural Resource Conservation Service (NRCS) and the Central Oregon Irrigation Canal District (COID) commitment to amending the Programmatic Agreement (PA) to create a durable understanding among the consulting parties that recognizes both the incredibly important historic significance of central Oregon's canals and accomplishes a much-needed conservation project. Unfortunately, the SHPO cannot agree to the amendment as proposed because it fails to achieve the goals of the original document.

The original agreement intended to preserve two segments of the COID canal system to eliminate the need for further review under federal and state cultural resource laws. The permissive language in the proposed amendment does not establish firm commitments, stating that the parties will carry out the terms if "feasible" and return to further consultation if the terms cannot be carried out. This language is vague, and without a process for determining when a provision is "feasible" or how specifically this is resolved. Such language will inevitably lead to further discussions and potential conflict. Our office insists on a document that makes firm commitments to carry out the original intent, which is to mitigate in a single document all future undertakings related to piping the COID canal system without further project review. This approach is necessary because it has already been decided that the canal system will be piped and because continued consultation on this project in the future will lead to unnecessary administrative delays.

The Oregon SHPO requests that the parties meet to discuss alternatives for durable mitigation measures that all parties can agree to for a minimum of 20 years and that the consultation include the active involvement of the Advisory Council on Historic Preservation (ACHP). We suggest that the following alternatives be considered in addition to any others the involved parties may suggest.

1. Do not amend the PA.
2. Amend the PA to list an alternative canal segment(s) in the National Register of Historic Places, if not already listed, and commit to preservation and interpretation measures.
3. Do not preserve segment(s) of the canal system; instead, choose a substantive project. Projects to consider include:
 - Establish a grant program to preserve and rehabilitate historic properties within the COID service area. A third party, such as the Deschutes County Landmarks Commission or another organization, may assist in administering such a fund.
 - Establish a substantive, permanent museum display focusing on the canal system's history and pivotal role in the region's development with a local or statewide partner.
 - Extend existing or create new publicly accessible interpretive walking trails over the piped canal right-of-way. In partnership with local organizations, these may include interpretive panels paired

•

The Oregon SHPO strongly advocates for either option 1 or 2 but acknowledges that the consulting parties may need to consider an alternative. Our office is willing to discuss options that do not include preserving segments of the canal with the understanding that all parties will complete their due diligence before determining that preservation is not possible. While technical feasibility and cost are always factors in public projects, we expect that the parties will only remove options 1 and 2 from consideration after it is conclusively shown that these options are either technically impossible or raise the cost to the extent that the project cannot happen. We believe options 1 and 2 should be measured outside maximum efficiency or lowest cost standards.

Should the parties consider alternative 3, we strongly recommend consulting with appropriate Tribal governments, the City of Bend, City of Redmond, and Deschutes County Landmarks Commissions, Restore Oregon, the statewide preservation nonprofit, the High Desert Museum, and any other organization with an interest in the region's history. Option 3 represents a substantial change in the intent of the agreement document, and we believe that substantive consultation with interested parties is warranted.

Cultural resources are valuable, irreplaceable resources worthy of consideration, among other important goals, including water conservation and environmental protection. This project can achieve all of these goals in balance, but compromise is essential. We look forward to future discussions with the involved parties and await an invitation from NRCS for a future meeting.

Sincerely,

A handwritten signature in blue ink, appearing to read "Ian P. Johnson", written over a light blue horizontal line.

Ian P. Johnson, M.A.

Associate Deputy SHPO

(971) 718-1137

ian.johnson@opr.d.oregon.gov

cc: Chris Horting-Jones, Bureau of Reclamation
Craig Horrell, Central Oregon Irrigation District
Gary Diridoni, USDA-Natural Resources Conservation Service



United States Department of Agriculture

Natural
Resources
Conservation
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Oregon State Office
1201 NE Lloyd Blvd,
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November 26, 2024

Ian Johnson
State Historic Preservation Office
725 Summer Street NE, Suite C
Salem, OR 97301

RE: COID PA-173 amendment language

Dear Ian,

Thank you for your letter of November 25, 2024, regarding potential amendments to PA-173 between COID, BOR, NRCS and SHPO. NRCS appreciates Oregon SHPO's willingness to continue discussion surrounding this agreement and hopefully working out a satisfactory solution. We understand your concerns about the imprecise language that was put forward in our initial suggestion for amendments. In discussion with the other consulting parties, I think that we all agree that we would like this agreement to be definitive and conclusive with a committed path forward that both recognizes the cultural significance of the central Oregon canals, and the need for modernizing aging utility structures toward the goal of water conservation. NRCS agrees that a meeting of the signatory parties is needed soon to discuss alternative mitigation measures. The parties are leaning toward an alternative to preserving the two segments of the canal system. With this letter I am attaching a document of mitigation options that have been part of our internal discussions and have been reviewed by COID, Reclamation and NRCS. I feel that they are very similar in scale and durability to the suggestions you proposed in your letter, and we are open to a discussion of alternatives.

I would suggest a meeting with all parties as soon as is possible for everyone before the December 11 deadline of the extension request.

NRCS has been sharing ongoing communications with Alexis Clark, our ACHP representative, and will continue to do so. If you feel she should be invited to our meeting, we can extend the invitation, but we can also continue to document and share our discussions with the ACHP in written form.

Sincerely,

Rachel LS Gebauer

Rachel Gebauer, M.A., RPA
Acting State Cultural Resource Specialist, USDA-NRCS
541-887-3511
rachel.gebauer@usda.gov

cc: Chris Horting-Jones, Bureau of Reclamation
Craig Horrell, Central Oregon Irrigation District
Gary Diridoni, NRCS, ASTC Watershed Resources

COID Pilot Butte Piping Project

Possible Mitigation Stipulations

DRAFT 6-Novmeber-2014

- A. In coordination with the City of Redmond Parks District, COID will support the design and development of a pocket park or linear corridor within its right-of-way that highlights a section of the canal. The park might include landscape amenities that document the scale or design of the Pilot Butte Canal, its history and significance, including no less than two (2) high-quality interpretive panels of no less than 24x36" size, constructed of durable material suitable for outdoor display, artwork, and similar installations.
- B. COID will retain salvaged elements from the Pilot Butte Canal Piping Project for interpretive re-use in the design of Stipulation A as possible. Such elements might include gate valves, chute structures, fish screens, or other built features associated with the project.
- C. COID will support the production of a documentary on the history of the district, focusing on the Pilot Butte Canal. This professionally scripted and produced work will include historic and current images, interviews with appropriate individuals as can be identified, and other pertinent materials of the canal, Bend and Redmond, with a total runtime of not less than ten (10) minutes in length. The completed work will be made available to the public in multiple methods, including partner websites, COID's own website (for a minimum five (5) years), YouTube and other platforms as can be identified.
- D. COID, through the University of Oregon, will support the digitization of available Deschutes County historic newspapers in the public domain for inclusion in the web-based Historic Oregon Newspapers collection (<https://oregonnews.uoregon.edu/>), as managed under the Oregon Newspaper Digitization Project. Available titles include *The Bend Pilot*, *Central Oregon Mid-Statesman*, *Bend View*, *Bend Free Press*, *Deschutes Valley Tribune*, with publication dates between 1905 and 1925 (and later, subject to copyright), totaling approximately 15,000 pages. The UO will upload scanned papers to its existing website and maintained for free public access.
- E. COID will support the development of one or two entries that document the history of irrigation in Central Oregon and its impact on the development of that region for inclusion in the Oregon Encyclopedia (www.oregonencyclopedia.org). Professionally researched and written to OE standards, one narrative will serve as cover entry for Carey Act projects in Central Oregon and the role of the Bureau of Reclamation in the agricultural development of the Bend-Redmond area. This is envisioned as a framework for future entries on COID elements as well as for other irrigation districts in the region. A second article will focus specifically on COID's history and development, including the Pilot Butte Canal. Final entries, subject to OE approval, will be uploaded to the OE website and maintained for free public access.

- F. COID will support the development of a professionally researched and designed illustrated publication on the history of irrigation efforts in the Central Oregon region, including the Carey Act and COID's own history and impact over the past 125 years. The work will be illustrated with images and maps from COID and Bureau of Reclamation files to provide an accessible narrative geared toward an interested general public. COID will provide gratis copies of the completed work to area libraries, school districts and historic societies in Deschutes and Jefferson counties, with additional copies to the Oregon Historical Society, the University of Oregon and Oregon State University.
- G. COID will support a presentation in coordination with Historic Preservation Month, such as developing a panel display or lecture in association with the Redmond Historic Landmarks Commission. Such presentation could be held at the Redmond Public Library, Redmond City Hall, or other appropriate venue and might highlight the premiere of the documentary prepared in Stipulation C. A durable panel display, or lecture on COID history or other topics related to the history and significance of irrigation in Redmond's history.



United States Department of Agriculture

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December 11, 2024

Ian Johnson
State Historic Preservation Office
725 Summer Street NE, Suite C
Salem, OR 97301

RE: COID PA-173 Meeting Response Dec 9.2024

Dear Ian,

Thank you for meeting with the signatories to COID PA-173 on December 9. I felt the meeting was very productive and I am confident we can come to an agreement on a plan for mitigation and an amendment to the PA between COID, BOR, NRCS and SHPO. COID put forward several mitigation alternatives, as detailed in our letter sent to you on November 26, 2024. During our meeting on December 9th, we discussed, and tentatively agreed to a combination of stipulations A, B, C, E, and F as an alternative to maintaining the Downtown Redmond Segment Historic District.

NRCS is requesting an additional 90-day extension of the request to terminate the PA, originally put forth by COID in their letter of September 6. NRCS will provide an amended and updated PA reflecting these agreements and assure public outreach to interested parties, tribes, and local government bodies, with time for the parties to provide comment.

NRCS appreciates the willingness of all the signatories to continue discussion surrounding this agreement and finding agreeable mitigation measures.

Sincerely,

Rachel LS Gebauer

Rachel Gebauer, M.A., RPA
Acting State Cultural Resource Specialist, USDA-NRCS
541-887-3511
rachel.gebauer@usda.gov

cc: Chris Horting-Jones, Bureau of Reclamation
Craig Horrell, Central Oregon Irrigation District
Gary Diridoni, NRCS, ASTC Watershed Resources



United States Department of Agriculture

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January 14, 2025

Ian Johnson
State Historic Preservation Office
725 Summer Street NE, Suite C
Salem, OR 97301

RE: COID PA-173 Draft PA Amendment

Dear Ian,

Thank you for meeting with the signatories to COID PA-173 on December 9. I felt the meeting was very productive and I am confident we can come to an agreement on a plan for mitigation and an amendment to the PA between COID, BOR, NRCS and SHPO. During our meeting on December 9th, we discussed, and tentatively agreed to a combination of stipulations A, B, C, E, and F as an alternative to maintaining the Downtown Redmond Segment Historic District.

NRCS is submitting a draft version of the PA which includes an amendment detailing the newly proposed mitigation measures at the end, past Section IX of the existing PA.

NRCS appreciates the willingness of all the signatories to continue discussions surrounding this agreement to find agreeable mitigation measures as an amendment to the Programmatic Agreement.

Sincerely,

Rachel LS Gebauer

Rachel Gebauer, M.A., RPA
Acting State Cultural Resource Specialist, USDA-NRCS
541-887-3511
rachel.gebauer@usda.gov

cc: Chris Horting-Jones, Bureau of Reclamation
Craig Horrell, Central Oregon Irrigation District
Gary Diridoni, NRCS, ASTC Watershed Resources

+PROGRAMMATIC AGREEMENT AMONG THE
U.S. DEPARTMENT OF THE INTERIOR, BUREAU OF RECLAMATION,
COLUMBIA-CASCADES AREA OFFICE, THE NATURAL RESOURCES
CONSERVATION SERVICE, THE OREGON STATE HISTORIC PRESERVATION
OFFICE, AND THE CENTRAL OREGON IRRIGATION DISTRICT
REGARDING
COMPLIANCE WITH SECTION 106 OF THE NATIONAL HISTORIC
PRESERVATION ACT FOR CERTAIN ACTIVITIES INVOLVING THE CENTRAL
OREGON PROJECT SYSTEM OF CANALS, LATERALS, AND ASSOCIATED
IRRIGATION FEATURES AND FACILITIES

WHEREAS, the Central Oregon Irrigation District (COID) operates and maintains irrigation systems, including the Pilot Butte and Central Oregon canals and those canals, dams, laterals, sub-laterals, ditches, and their associated features and facilities, and also known as the Central Oregon Project (Map - Appendix A), as defined in the Multiple Property Document, *Carey and Reclamation Act Irrigation Projects in Oregon, 1901-1978* (MPD), accepted by the National Park Service on July 10, 2017 (NRIS# MC100001302); and

WHEREAS, U.S. Bureau of Reclamation (Reclamation) determined, and the Oregon State Historic Preservation Officer (SHPO) concurred, that the Central Oregon Project is eligible for listing in the National Register of Historic Places (National Register) as a historic district, subsequently affirmed by the National Park Service through acceptance of the MPD; and

WHEREAS, Reclamation, the SHPO, and COID executed a Memorandum of Agreement #R14MA13733 in 2014 (2014 MOA – see Appendix E) pursuant to 36 CFR § 800.6. Execution of this Programmatic Agreement (PA) fulfills Stipulation 3.B.1 of the 2014 MOA. Upon completion of its implementing actions in Section 3, the 2014 MOA will programmatically mitigate adverse effects to contributing features and structures in the Central Oregon Project which are not individually eligible for listing to the National Register; and

WHEREAS, COID pursued completion of the implementing actions of the 2014 MOA in good faith and has completed 1) an inventory, reconnaissance level survey (RLS), with a GIS-based database identifying the contributing and non-contributing features of the COID historic system and other relevant data; and 2) a National Register Multiple Property Document for the Carey and Reclamation Acts Irrigation projects in Oregon, 1901-1978 (MPD). COID committed to interpretation and nomination of segments of the Pilot Butte Canal and the Central Oregon Canal to the National Register. These segments are identified as the Pilot Butte Canal: Downtown Redmond Segment Historic District and Central Oregon Canal Historic District: Ward Road - Gosney Road Segment; and

WHEREAS, Reclamation, Natural Resources Conservation Services (NRCS) and other federal agencies may provide federal grant funding or other authorizations to COID for piping, modifications, and system upgrades within the District; and

WHEREAS Reclamation and NRCS, in acknowledgement of its continued responsibility to engage in meaningful consultation with tribes, invited the Confederated Tribes of Warm Springs to be a consulting party to this PA; and

WHEREAS, Reclamation NRCS and any other federal agency that may sign this agreement acknowledges its continued responsibility to engage in meaningful consultation with tribes (See 54 USC § 302706, Executive Order 13175 and the November 5, 2009, Presidential Memorandum on Tribal Consultation) throughout the process of carrying out the stipulations of this agreement; and

WHEREAS, Reclamation notified the Advisory Council on Historic Preservation (Council) of its desire to satisfy its Section 106 responsibilities for undertakings that may affect COID in a programmatic manner, and invited the Council's comments and participation in the review of this PA, pursuant to 36 CFR § 800.6(a)(1), and the Council declined to formally participate in development of the PA or to be a signatory; and

WHEREAS, COID and SHPO may address COID's obligations under Oregon Revised Statute 358.653 in a separate programmatic agreement; and

WHEREAS, on December 31, 2020, the US Fish & Wildlife Service finalized and approved the Deschutes Basin Habitat Plan (HCP); and

WHEREAS, the Deschutes Basin HCP includes required mitigation measures, to restore flows and in turn benefit impacted species; and

WHEREAS, NRCS, under provisions of Section VII(A) of this document, signed the Programmatic Agreement on March 7, 2023; and

NOW THEREFORE, Reclamation, NRCS, and any other federal agency that may sign this agreement, the SHPO, and COID (Parties) agree that where federal funding, permitting or authorization of covered undertakings (See Section III (A)(1)) comply with the procedures of this PA, such compliance will satisfy the federal agency's responsibilities under Section 106 of the National Historic Preservation Act, as amended (54 USC § 306108) for addressing the effects of these undertakings on historic properties.

I. PURPOSE AND INTENT

The purpose of this PA is to establish procedures that the Parties will use to fulfill the consultation process described in 36 CFR Part 800 related to the piping, repair, and maintenance of the COID canal system and its related features. This PA:

- Establishes procedures to use the MPD to evaluate unevaluated features and segments of the COID canal system regarding their eligibility for listing in the National Register;
- Addresses adverse effects to individually eligible irrigation-related, built resources within the COID system, not programmatically mitigated by the MOA that mandated this PA;
- Identifies routine and minor COID activities that would have "no effect" or "no adverse effect" to historic properties, and would not require standard review under 36 CFR §§ 800.3-800.6;

- Provides procedures to streamline implementation of undertakings related to piping of irrigation canals, laterals, and sub-laterals where archaeological survey resulted in no archaeological materials identified;
- Provides a protocol for addressing inadvertent or unanticipated discoveries of archaeological resources including those of religious and cultural significance to Indian Tribes;
- Establishes management procedures for National Register-listed segments and elements that the COID committed to preserve.

II. ROLES AND RESPONSIBILITIES

Each agency will be responsible for activities as follows:

- A. The signatory Federal agency who funds, permits or authorizes the covered undertaking will serve as the lead Federal agency as defined under 36 CFR § 800.2. The lead federal agency will be responsible for ensuring the completion of cultural resource documentation and archaeological survey reporting; assembling all submissions to SHPO; and resolving SHPO comments regarding compliance determinations made pursuant to this PA. In the event multiple federal agencies fund a single covered undertaking, the agencies will identify a lead federal agency and notify COID and SHPO.
- B. COID will be responsible for providing annual reporting of activities undertaken by COID where the provisions of this PA are applied. Annual reporting will describe all activities conducted during the reporting period that fall within the categories of activities listed in Procedures (Section III) below, and Appendices B and D. The lead federal agency will have 15 calendar days from receipt for an internal review of these documents before forwarding to SHPO for review. All documents provided will meet standards established under 36 CFR § 800.11. Electronic correspondence between the lead federal agency and COID is acceptable and encouraged during the internal review.
- C. The lead federal agency will be the point of contact for any inadvertent or unanticipated cultural resources, and will consult with the SHPO, COID, and other consulting parties consistent with Section III.C and Appendix D.
- D. Within 60 days of signing this PA, each signatory and any other consulting party will designate a primary point of contact for carrying out this PA, and provide contact information for that individual to Reclamation. If more than one person is designated as a primary contact, the party will also indicate the responsibilities of each such person for carrying out this PA. A list of primary contacts is provided as Appendix C and will be updated annually, as needed.
- E. All cultural resources technical activities conducted pursuant to this PA will be carried out by, or under the direct supervision of, persons meeting the relevant Secretary of the Interior's Professional Qualification Standards (36 CFR Part 61, Appendix A).

III. PROCEDURES

A. APPLICABILITY

1. **Covered undertakings.** These procedures apply to COID projects or activities
Covered undertakings also include:
 - a. exempt activities with no potential to cause adverse effects to historic resources, listed in Appendix B;
 - b. activities involving the inadvertent discovery of cultural resources (Section III.C and Appendix C); and
2. **Covered undertakings do not require further consultation.** Upon completion of the implementing actions of the 2014 MOA, adverse effects resulting from conversion of open irrigation conveyance systems to subterranean pipes will be fully mitigated and the lead agency may carry out, authorize, or fund these undertakings without further consultation with the SHPO.
3. **Undertakings not covered by this PA will include:**
 - a. Those that affect properties that are individually listed, or are determined to be individually eligible for listing in the National Register (Section III.B.2); and
 - b. Those where a cultural resource survey under Section III.C determines the undertaking may impact archaeological resources and that those impacts cannot be avoided
 - c. Historic properties not related to the Central Oregon Project that may be affected by an undertaking. Effects to such properties are not covered by this agreement.
4. Unless otherwise noted in this agreement, the signatories will use the procedures identified below in place of those identified at 36 CFR §§ 800.3 - 800.13.

B. PROCEDURES: BUILT ENVIRONMENT HISTORIC PROPERTIES

1. The parties will use the stepped processes in this section in lieu of the process at 36 CFR § 800.4-800.6 for covered undertakings with respect to impacts on built environment historic properties, unless the activity does not require further review under Appendix B of this agreement, or unless the activity is subject to Section III.D of this agreement.
2. **Built Environment Evaluation Standards.** The Parties will use the MPD and RLS to identify individually eligible features and segments of the canal system to be managed under this PA and any subsequent documents created as part of the process addressing adverse effects of future piping projects.
3. **Built Environment Surveys and Amendments.** COID or the lead federal agency will amend the RLS, as necessary, using the evaluation standards described in the MPD, to evaluate the eligibility of any previously unevaluated elements or segments that are subject to an undertaking. The survey amendments will include all categories

- of information collected for the original RLS, including, but not limited to: location/address; GIS data; photograph; year built/alterd; construction materials; structure type/style; original use; specific notes/comments; evaluation conclusion or National Register status (non- contributing, contributing, or individually eligible); and date of survey amendment. If performed by COID, COID will notify the lead federal agency of the RLS amendment and any conclusions in writing. Within 15 days of receipt of notification, the lead federal agency will use the MPD to accept or revise the conclusions of the amendment regarding National Register status.
4. **Public Comment and SHPO Review.** If the lead federal agency determines that no individually eligible segments are within the Area of Potential Effect for the undertaking, COID will provide the public 30 days to comment. COID will then forward all comments received during the comment period to SHPO and the lead federal agency. SHPO will review the evaluation and received comments and provide any comments it may have to the lead federal agency within 30 days of receipt. The lead federal agency will consider and address any comments SHPO may provide within 30 days of receipt. If the lead federal agency receives no comment from SHPO, they will make the Determination of Eligibility and the project may proceed.
 5. **Amendment Reporting and Eligibility Determinations.** If no features or elements are individually eligible, COID will forward the amended RLS data to the lead federal agency who will submit the data to SHPO for inclusion in the Oregon Historic Sites Database. Upon submittal to the SHPO of these data, COID may proceed with the covered undertaking without further consultation. A summary of survey amendments and eligibility determinations will be provided to the SHPO as part of the annual report (See Part IV (B)).
 6. **Consultation on Individually Eligible Features or Segments.** If the lead federal agency determines a feature or segment is individually eligible, the lead federal agency will determine whether the undertaking will adversely affect the resource and, if necessary, consult with SHPO using the procedures in 36 CFR § 800.6.

C. PROCEDURES: ARCHAEOLOGICAL HISTORIC PROPERTIES

1. The parties will use the stepped processes in this section in lieu of the process at 36 CFR §§ 800.4-800.6 for covered undertakings with respect to impacts on archaeological historic properties, unless the activity does not require review under Section III.A of this agreement, or the activity is subject to Section III.D of this agreement.
2. **Inadvertent Discoveries of Archaeological Resources.** If there are inadvertent or unanticipated discoveries of archaeological resources during implementation of any undertakings covered under this PA, the lead federal agency and COID will implement the inadvertent discovery plan (Appendix D) and consult with the SHPO to develop a plan for the treatment of the property.
3. **Requirement for Cultural Resource Surveys.** For any undertaking involving ground-disturbing activities that may affect previously undisturbed surface or subsurface soils, including previously mitigated and exempt undertakings, COID will

conduct a cultural resources survey to identify the potential for archaeological resources within the APE.

- a. “Previously undisturbed soils” are considered any surface or subsurface area(s) outside the width and depth of the cross sections, or prisms, of the canals, laterals, sub-laterals, and ditches that comprise the Central Oregon Project, inclusive of the berms and embankments created by their construction, which often consist of flanking ditch rider roads, and which may have been deposited on undisturbed soils.
 - b. “Ground-disturbing activities” are considered any activity that involves the movement or removal of surface soil, or excavation of soils for an undertaking, including but not limited to digging, drilling, and grading, and the activities and staging of heavy equipment.
4. **Cultural Resource Surveys, Standards.** Cultural resource surveys and reports will address cultural resources including those of religious or cultural importance to Indian tribes, as ascertained through tribal consultation. All cultural resources surveys will meet requirements of the most recent Guidelines for Conducting Field Archaeology in Oregon, and be carried out by a qualified archaeologist, as defined by the Secretary of the Interior’s Professional Qualification Standards (36 CFR Part 61, Appendix A).
 5. **Notice of No Archaeological Resources Detected.** If the cultural resources survey does not identify archaeological resources within the area of potential effect, COID will notify the lead federal agency in writing that no archaeological resources were detected and include a copy of the cultural resource survey report. For covered undertakings, this document may be combined with a finding of no adverse effect to historic properties determination. The lead federal agency has 15 days from receipt to review and accept the report. The lead federal agency will then provide a copy to SHPO with the annual report, and COID may proceed with the undertaking.
 6. **Consultation on Archaeological Resources identified during survey.** If archaeological resources (including properties of traditional religious and cultural importance to an Indian tribe, per 36 CFR § 800.16(l)(1)) are found within the area of potential effects, COID will provide the lead federal agency a copy of the cultural resources survey, and the lead federal agency will initiate consultation with the SHPO and appropriate Tribes using the Section 106 process defined at 36 CFR §§ 800.2-800.13. Consultation on archaeological resources may be combined with any consultation regarding built environment historic properties required by this agreement.
 7. **Adverse Effects.** Adverse effects to eligible archaeological sites must be resolved according to the provisions of 36 CFR § 800.6. Mitigation measures will be determined through consultation with the SHPO and other appropriate parties.

D. MANAGEMENT OF RESOURCES

The listed historic properties COID committed to preserve will be maintained **to the extent feasible** such that the historic integrity of and identification of the historic property **will remain** representative of an irrigation conveyance system, in accordance with the Secretary of the Interior's Standards for the Treatment of Historic Properties (see 36 CFR Part 68).

1. The historic character will be retained and preserved **to the extent feasible**. The replacement of intact or repairable historic materials or alteration of features, spaces and spatial relationships that characterize a property will be avoided. **If an undertaking will result in an adverse effect to listed properties, COID will resolve the adverse effect according to the provisions of 36 CFR §800.6. Mitigation measures will be determined through consultation with SHPO and other appropriate parties and incorporated into this agreement through the amendment process outlined in Section VII**
2. Each property will be recognized as a physical record of its time, place and use. Work needed to stabilize, consolidate and conserve existing historic materials and features will be physically and visually compatible, identifiable upon close inspection and properly documented for future research.
3. Changes to a property that have acquired historic significance in their own right will be retained and preserved **to the extent feasible**.
4. Distinctive materials, features, finishes and construction techniques or examples of craftsmanship that characterize a property will be preserved **to the extent feasible**.
5. The existing condition of historic features will be evaluated to determine the appropriate level of intervention needed. Where the severity of deterioration requires repair or limited replacement of a distinctive feature, the new material will match the old in composition, design, color and texture.

IV. REPORTING

A. **Documentation Requirements.** Documents prepared in support of this agreement will satisfy those standards identified in 36 CFR § 800.11, the most recent SHPO Built Resources Survey Guidelines, and State of Oregon Guidelines for Reporting on Archaeological Investigations, unless otherwise defined in this document. Submission to SHPO will be made through the most current SHPO submission process.

B. **Annual Report.** The annual report will include the following:

1. A summary of all activities taken to fulfill the terms of this PA during the previous year, any problems encountered in fulfilling its terms, and suggestions for amendments to the PA.
2. A list of historic properties that were affected by activities completed under the PA during the previous reporting period, including the type and extent of historic property documentation conducted related to the covered undertakings, any determinations regarding the individual eligibility of a feature or segment (Section

III.B), any unanticipated discoveries which occurred (Section III.C[2]), any emergency situations (Section III.D), and negative archaeological survey data (Section III.C[5]).

3. A summary of exempt activities that occurred during the PA reporting period. COID will document each Exempt Activity with a spreadsheet, that describes the Exempt Activity, its location, and start date, end date or projected end date. The descriptions will indicate which Exempt Activity category applies to the action, as per Appendix B. Updates to the RLS where upgrades or system modifications have occurred during the reporting year will be completed, and updated data will be provided.
4. Work proposed for the upcoming reporting period that is subject to this PA.
5. Updates to points of contact (Appendix C), as needed.

Timing and Review of Annual Report. COID will prepare and submit an annual report to all lead federal agencies responsible for undertakings that year. It will be reviewed and signed by all lead federal agencies, and then submitted to SHPO for review and signature. SHPO will provide a fully signed copy to all relevant signatories. The first annual report will be issued on November 15, 2019, and annually thereafter. Each annual report will be submitted to the relevant lead federal agency for transmittal to SHPO. A copy of each annual report will also be provided to any other signatories of the PA. The lead federal agency or SHPO will raise any concerns they may have regarding the annual report by close of business 30 days after submitted. No response by the lead federal agency or SHPO within 30 days is considered approval of the report.

- C. **Request for Project File.** The SHPO may request project files for any activity carried out pursuant to this PA. COID and relevant lead federal agencies will cooperate with the SHPO to provide the documentation and review project files for an undertaking.

V. DISPUTE RESOLUTION

- A. Should any signatory to this PA object in writing at any time to any activities proposed pursuant to the terms of this PA, the lead federal agencies will consult with the objecting party and the SHPO to resolve the objection. If, after 30 days from receiving written notification, the lead federal agency determines that the objection cannot be resolved, they will:
 1. Forward all documentation relevant to the dispute, including the lead federal agency's proposed resolution, to the Council. The Council will provide the lead federal agency with its advice on the resolution of the objection within 30 calendar days of receiving adequate documentation. Prior to reaching a final decision on the dispute, the lead federal agency will prepare a written response that takes into account any timely advice or comments regarding the dispute from the Council, signatories, and concurring parties, and provide them with a copy of this written response within 30 days of receipt of Council comments. The lead federal agency will then proceed according to its final decision.
 2. If the Council does not provide its advice regarding the dispute within 30 calendar days, the lead federal agency will, from the expiration of the Council's comment

- period, have 30 days within which to make a final decision on the dispute, and will proceed accordingly. Prior to reaching such final decision, the lead federal agency will prepare a written response that takes into account any timely comments regarding the dispute from the signatories and concurring parties to the PA, and provide them and the Council with a copy of such written response.
- B. Parties' responsibilities to carry out all other actions under this PA that are not the subject of an ongoing dispute remain unchanged.
 - C. All timelines in this section can be modified at the mutual agreement of the relevant signatories.

VI. DURATION

This PA will become effective on the date of the initial submission to Council, and will remain in effect for a period of ten years unless extended pursuant to Section VI.B, below, or terminated in accordance with Section VII.

- A. As needed, the signatories will review this agreement five years after this agreement becomes effective and every five years thereafter and amend the document as necessary, upon agreement of the signatories. The agreement may be extended for an additional ten years (with an additional five-year review), subject to agreement of all signatories. All 5-year and 10-year reviews should include representatives of Reclamation, NRCS, and any other federal agencies that have signed this agreement, SHPO, and COID.
- B. All timelines in this section can be modified at the mutual agreement of the relevant signatories.

VII. AMENDMENT, NON-COMPLIANCE, AND TERMINATION

- A. **Additional Federal Agencies.** Additional federal agencies that may carry-out, authorize or fund the kinds of covered undertakings described in this agreement may join the agreement by providing a signed signature page to the other signatories at least 90 days prior to an undertaking. Any agencies requesting to be added to this agreement must meet all requirements and obligations within this agreement, including professional qualifications.
- B. **Amendment.** Any signatory may request amendment of this PA to the other signatories and consulting parties in writing. The lead federal agency will consult with the signatories for up to 30 calendar days concerning the necessity and appropriateness of the proposed amendment. Any signatory or consulting party may request the involvement of the Council during the amendment process. At the end of the consultation period the lead federal agency will provide an amended document for signature by the signatories or a written statement describing why the proposed lead federal agency chose not to pursue an amendment to this document. Amendments will be effective on the date a copy of the document signed by all of the signatories is filed with the Council. Any Signatory to this PA may propose that any appendix be modified or removed at any time upon written agreement of the Signatories to this PA. Amendments to Appendices may be made, if agreed to by all signatories, without consulting the Council.

- C. Termination. If any signatory to this PA determines that its terms will not or cannot be carried out, that party will immediately provide written notification to the lead federal agency and consult with the other signatories to attempt to develop an amendment per Stipulation VII.B, above. If an amendment cannot be reached within 30 days (or another time period agreed to by all signatories) from the notice opening consultation under this provision, any signatory may terminate the PA upon written notification to the other signatories.

Once the PA is terminated, and prior to work continuing on the undertaking, Reclamation, NCRS or any additional federal agencies that may sign onto this agreement, COID, and SHPO must either (a) execute another PA pursuant to 36 CFR § 800.6 or (b) request, take into account, and respond to the comments of the Council under 36 CFR § 800.7, or (c) the lead federal agency will comply with standard consultation as defined in 36 CFR § 800.3-13. The lead federal agency will notify the signatories as to the course of action it will pursue.

- D. **Replacement.** This agreement may be replaced by another subsequent agreement that explicitly terminates or supersedes this agreement, or by the lead federal agency's implementation of Alternate Procedures, pursuant to 36 CFR § 800.14(a), or of supplanting regulations.
- E. All timelines in this section can be modified at the mutual agreement of the relevant signatories.

VIII. GENERAL PROVISIONS

- A. This agreement is neither a fiscal nor a funds obligating document. Any endeavor or transfer of anything of value involving reimbursement or contribution of funds between the parties of this agreement will be handled in accordance with applicable laws, regulations, and procedures including those for government procurement and printing. Such endeavors will be outlined in separate agreements that will be made in writing by representatives of the parties and will be independently authorized by appropriate statutory authority. This PA does not provide such authority.
- B. Nothing herein will be construed to obligate the lead federal agency to expend or involve the United States of America in any contract or other obligation for the future payment of money in excess of the appropriations authorized by law and administratively allocated for the purposes and projects contemplated hereunder.
- C. No member of or delegate to Congress, or resident Commissioner, will be admitted to any share or part of the PA or to any benefit that may arise out of it.
- D. This agreement does not alter, amend, repeal, interpret or modify tribal sovereignty, any treaty rights, or other rights of an Indian tribe. This PA also does not alter the existing government-to-government relationship between the federal government and Indian tribes.

**IX. EXECUTION OF THIS PROGRAMMATIC AGREEMENT IN
COUNTERPARTS**

This PA may be executed in counterparts, with a separate page for each signatory. Reclamation or NRCS will ensure that each party is provided with a copy of the fully executed PA.

EXECUTION of this PA by Reclamation, NRCS, the SHPO, and COID and implementation of its terms, is evidence that Reclamation and NRCS have taken into account the effects of these undertakings on historic properties and afforded the Council an opportunity to comment.

AMENDMENT TO PROGRAMMATIC AGREEMENT NO. R19MA13745

WHEREAS, the Pilot Butte Canal: Downtown Redmond Segment Historic District was listed in the National Register of Historic Places in 2017 under the Carey and Reclamation Acts Irrigation projects in Oregon, 1901-1978 Multiple Property Document (MPD), and

WHEREAS, as part of this original agreement as adopted in July 2019, the signatories determined to preserve and interpret the historic character of the Pilot Butte Canal: Downtown Redmond Segment Historic District as an element of its on-going irrigation operations, and

WHEREAS, in order to provide consistent and efficient service to its irrigation customers, meet the standards established by federal agencies and funding sources, improve water delivery and reduce loss through seepage and evaporation, NRCS in coordination with COID, has now determined that its preferred alternative for the Pilot Butte Canal: Downtown Redmond Segment Historic District is to pipe that segment within its irrigation system, and

WHEREAS, the Pilot Butte Canal Piping Project with partial funding through the Watershed Protection and Flood Prevention Act of 1954 (Public Law [PL] 83-566, program constitutes a federal undertaking as defined by 36 CFR §800.16(y) and is counter to language of the existing Programmatic Agreement No. R19MA13745, and

WHEREAS, NRCS in coordination with COID determined that the proposed piping of the Pilot Butte Canal: Downtown Redmond Segment Historic District would result in a loss of historic character and integrity to that property and the NRCS and the Oregon SHPO concurred with a Finding of Adverse Effect on XXX-2025, and

WHEREAS, NRCS in coordination with multiple Tribes and Tribal Representatives as suggested by the Oregon Legislative Commission on Indian Services, for which the Pilot Butte Canal: Downtown Redmond Segment Historic District may have religious or cultural significance, and,

WHEREAS, NRCS in coordination with COID has consulted with other interested parties including the Deschutes County and City of Bend landmark review authorities and other history and preservation-related organizations in the region,

WHEREAS, NRCS acknowledges its continued responsibility to engage in meaningful consultation with tribes throughout the process of carrying out the stipulations of this agreement as applicable, and,

WHEREAS, NRCS, COID, Oregon SHPO and the Bureau of Reclamation have agreed to modified language within the main body of the previously signed programmatic agreement to clarify future work on the Pilot Butte Canal and Central Oregon canals;

NOW, THEREFORE, COID, NRCS and the Oregon SHPO agree that the undertaking shall be implemented in accordance with the following stipulations in order to take into account the adverse effect of the undertaking on historic properties.

1. STIPULATIONS:

- A. In coordination with the City of Redmond Parks District, COID will support the design and development of a pocket park or linear corridor within its right-of-way that highlights a section of the Pilot Butte Canal. The preferred location will be within the Pilot Butte Canal: Downtown Redmond Segment Historic District, subject to agreement from the City of Redmond. The park will include landscape amenities that help to document the scale and design of the Pilot Butte Canal, its history and significance, and will include no less than two (2) high-quality interpretive panels of minimum 24x36" size, constructed of durable material suitable for outdoor display. Panels will include text and graphics on the construction, operation and significant impacts of the canal in the Bend/Redmond region.
- B. COID will retain salvaged elements from the Pilot Butte Canal Piping Project for use in the design of Stipulation A as possible. Such elements might include gate valves, chute structures, fish screens, or other built features that can be incorporated as interpretative or artistic elements within the park
- C. COID will support the production of a video documentary on the history of the irrigation district, focused on the Pilot Butte Canal. This professionally scripted and produced work will include historic and current images, interviews with appropriate individuals as can be identified, and other pertinent materials to create a balanced and accessible history of the role and impact of irrigation in the history of Deschutes County, with emphasis on the Bend-Redmond area. The production will have a total runtime of not less than ten (10) minutes in length. The completed work will be made available to the public via multiple platforms, including COID's website (for a minimum of five (5) years), YouTube, and other platforms (OPB, local media, etc.,) as can be identified.
- D. COID will support the development of two entries that document the history of irrigation in Central Oregon and its impact on the development of that region for inclusion in the Oregon Encyclopedia (www.oregonencyclopedia.org). Professionally researched and written to OE standards, one narrative will serve as a overview/cover entry for Carey Act projects in Central Oregon and the role of the Bureau of Reclamation in the agricultural development of the Bend-Redmond area. A second article will focus specifically on COID's history and development, including the Pilot Butte Canal. This is envisioned as a framework for future entries on COID elements as well as for other irrigation districts in the region. Final entries, subject to OE approval, will be uploaded to the OE website and maintained for free public access.
- E. COID will support the development of a professionally researched and designed publication on the history of irrigation efforts in the Central Oregon region. This illustrated work, drawing on COID's and Reclamation's photo and map archives, along with other historical materials, will document the history and implementation of the Carey Act in Deschutes and Jefferson counties with a focus on COID's own history and development over the past 125 years. The intent will be to provide a focused history of COID with an academically sound and accessible narrative geared toward an interested general public.

COID will distribute gratis copies of the completed work to area libraries, school districts and historic societies in Deschutes and Jefferson counties, with additional copies to the Oregon Historical Society, the University of Oregon and Oregon State University and other regional repositories to assure widespread public availability.

- F. COID and NRCS shall ensure that all work in completing the above measures are carried out by or occur under the supervision of individuals who meet the appropriate Secretary for the Interior's Professional Qualifications Standards (36 CFR §61).

2. REVIEW OF MITIGATION MATERIALS

- A. COID and NRCS shall provide the signatories with at least one opportunity lasting a minimum of thirty (30) calendar days to comment on the completeness of the mitigation materials specified in the stipulations described in this amendment before final submission. Comments provided shall be taken into consideration within the limits of the project as described in the stipulations.

[Add Signature Page, per Original PA sections #7 and #9]

Jennifer Hughes

From: Gebauer, Rachel - FPAC-NRCS, OR <rachel.gebauer@usda.gov>
Sent: Monday, February 3, 2025 11:14 AM
To: Diridoni, Gary - NRCS, Portland, OR; Shane Phelps; Horting-Jones, Christine; george@preserveoregon.com; Jon Skidmore
Subject: FW: Draft amendment PA-173 COID

Ian's comments for COID PA Amendment

Rachel

Rachel L.S. Gebauer, MA, RPA

State Cultural Resource Specialist/ Archaeologist
 Oregon NRCS



U.S. DEPARTMENT OF AGRICULTURE

Natural Resource Conservation Service

1945 Main St. Suite 200, Klamath Falls, Oregon 97601

p: 541-887-3511 c:541-591-7418

From: JOHNSON Ian * OPRD <ian.johnson@opr.oregon.gov>
Sent: Thursday, January 30, 2025 7:55 PM
To: Gebauer, Rachel - FPAC-NRCS, OR <rachel.gebauer@usda.gov>
Subject: RE: Draft amendment PA-173 COID

Hello Rachel,

Thanks for the opportunity to look at the revised PA before Monday's meeting. This document is headed in the right direction, and I think with some clarifications, it is ready to go. Here are my comments.

1. Under Stipulation D in the PA, "Management of Resources," I strongly prefer that the phrase "to the extent feasible" be dropped from D(1-3). It is unnecessary, and I would like the canal segments preserved as intended initially until they are demolished. The term "feasible" is open to interpretation, and there may be future conflicts about what this means among the signatories. As far as I understand, the Redmond segment will be demolished. When it is, the provisions of D(1) will apply and mitigate for the demolition.
2. For the stipulations listed in the amendment, these are all great projects. These projects are also complex, and they mitigate the total loss of an entire listed resource, not just this segment but the entire system. The other listed canal segment contains mostly remnants. Considering this, for stipulation 2(A) I would like the signatories to have opportunities to weigh in on scoping these projects and see them at least twice in development prior to signing off on these as complete, for a total of 3-4 touches on this project.

3. I would also like to see a statement in the amendment that specifies that disagreements on the mitigation products are subject to PA Section V, "Dispute Resolution."
4. Please add a stipulation in the amendment noting the changes in the PA. It is most clear if the amendments are specifically identified by reference and then include the text. For instance, "Stipulation D1 is amended to read, 'blah blah blah.'" This is needed because the signatories are amending the PA itself.
5. In Stipulation A, please note that the panel itself must be of "professional quality," "publicly accessible," and "up and maintained for a minimum of 10 years."
6. For Stipulation B, please add that if no materials are salvageable, the signatories and consulting parties will consult to determine an alternative mitigation measure.
7. For stipulation E in the amendment, please include some measures to indicate the length of this publication. Consider providing a page number range OR number of words and photos, etc., so it is clear what we are expecting.
8. For stipulation D, please state that if the OE does not accept the submission, the signatories will meet to find another institution to host the material or an alternative mitigation measure.
9. Please stipulate that the agency will delist the property when it is demolished. This is a relatively easy and quick process, and I can explain it at the meeting.
10. Please specify that the mitigation measures must be completed by the time the PA expires. If more time is needed, the signatories should consider extending the document duration.

For our meeting, I will be curious to hear about what has already been done or is planned for consulting with Tribes, Deschutes County, and Bend, which are already listed in the amendment clauses. I would also expect the City of Redmond Landmarks Commission, Restore Oregon, Deschutes County Museum, and other relevant organizations to be contacted. I would also like to see a public comment opportunity. Since the City of Redmond is specifically named as a partner in this document, I would like to see them sign as a consulting party but not necessarily as a signatory with the authority to terminate or amend the PA, although that is up to NRCS.

Finally, could you please send me a copy of the list of mitigation measures we considered? I had a copy but have since misplaced it or accidentally deleted it. I would like to add it to the project file since our letters reference it.

I look forward to our meeting on Monday.

Thanks.

Ian



Ian P. Johnson (he, him, his) | Associate Deputy State Historic Preservation Officer

Oregon Heritage Division, Oregon Parks and Recreation Department
 Cell: (971) 718-1137
 725 Summer St NE, Ste C
 Salem, Oregon 97301

Visit our [website](#), Like us on [Facebook](#), Visit our [Blog](#), Join the Oregon Heritage News [e-news](#).

From: Gebauer, Rachel - FPAC-NRCS, OR <rachel.gebauer@usda.gov>
Sent: Tuesday, January 14, 2025 5:02 PM
To: CLEARANCE ORSHPO * OPRD <ORSHPO.Clearance@oregon.gov>
Cc: JOHNSON Ian * OPRD <ian.johnson@opr.oregon.gov>
Subject: Draft amendment PA-173 COID

Hello Ian,

Please find attached, a draft amendment for PA-173 COID from NRCS. Thank you for your review and consideration.

Sincerely,

Rachel

Rachel Smith Gebauer M.A., RPA ([she/her](#))

Acting State Cultural Resource Specialist/ Archaeologist
1945 Main St., Suite 200, Klamath Falls, Oregon 97601



Natural Resources Conservation Service
U.S. DEPARTMENT OF AGRICULTURE

p: (541) 887-3511 | c: (541) 591-7418

e: rachel.gebauer@usda.gov

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Oregon

Tina Kotek, Governor

Parks and Recreation Department

Oregon Heritage/
State Historic Preservation Office
725 Summer St. NE, Suite C
Salem, OR 97301-1266
(503) 986-0690
Fax (503) 986-0793
oregonheritage.org



February 23, 2025

Ms. Rachel Gebauer
USDA-NRCS
1945 Main St. Ste 200
Klamath Falls, OR 97601

RE: SHPO Case No. PA-173
(COID) Central Oregon Project System of Canals, Laterals, and Associated Irrigation Features and
Facilities
, Deschutes County

Dear Rachel Gebauer:

Thank you for submitting the amendment to the Programmatic Agreement between the Natural Resource Conservation Service (NRCS), Bureau of Reclamation (BOE), Central Oregon Irrigation District (COID), and our office. I reviewed the draft amendment and found that the document fully reflects our mutual agreement reached during our February 3rd teleconference. Please submit the draft amendment to our office once NRCS completes consultation with the Advisory Council on Historic Preservation (ACHP) and interested parties and incorporates any revisions resulting from those conversations into a final draft.

Please inform our office of the ongoing process and how we may support the effort.

Sincerely,

Ian P. Johnson, M.A.
Associate Deputy SHPO
(971) 718-1137
ian.johnson@oprds.oregon.gov

cc: Gary Diridoni, USDA-Natural Resources Conservation Service
Chris Horting-Jones, Bureau of Reclamation
Craig Horrell, Central Oregon Irrigation District



Megan Peninger
Historic Landmarks Commission
City of Redmond, Oregon

April 25, 2025

Subject: COID Pilot Butte Canal Modernization Project and PA Amendment

Dear Ms. Peninger,

The USDA Natural Resources Conservation Service (NRCS Oregon) proposes to assist the Central Oregon Irrigation District in Deschutes County with a project to modernize the Pilot Butte Canal by replacing the open canal with pressurized pipe. The intent of the project is to conserve water, power and maintenance efforts. The preferred alternative for the modernization project includes a segment of the Canal which is listed on the National Register of Historic Places. The project will include modification to the listed resource, including the loss of elements with significant visual and physical impact to the character of the Canal. NRCS Oregon is proposing to amend the existing Programmatic Agreement between COID, NRCS, Bureau of Reclamation and Oregon SHPO to include additional stipulations to mitigate for the loss of this segment by highlighting the history and significance of the Pilot Butte Canal. These new stipulations include:

- Development of a pocket park within the right-of-way of the Canal within the Redmond Historic District. Retaining salvaged elements from the historic canal during the modernization project and incorporating them into the park.
- A video documentary on the history of the irrigation district, focusing on the Pilot Butte Canal, plus two entries to the online Oregon Encyclopedia documenting irrigation in Central Oregon and its impact on the development of the region.
- A print publication on the history of irrigation efforts in Central Oregon, to include photos from COID and the Bureau of Reclamation, will also be published.

Please see the attached draft amendment to PA-17, Central Oregon Project System of Canals and Laterals.

We would welcome your comments or questions about the amendment to the Programmatic Agreement, please contact me by email at rachel.gebauer@usda.gov, or by phone at 541-887-3511.

Sincerely,

Rachel LS Gebauer

Rachel Smith Gebauer, M.A., RPA
Oregon NRCS State Archaeologist

cc. Gary Diridoni, Oregon NRCS, ASTC Watershed Resources



Kelly Cannon-Miller
Deschutes Historical Museum
Deschutes County Historical Society

April 25, 2025

Subject: COID Pilot Butte Canal Modernization Project and PA Amendment

Dear Ms. Cannon-Miller,

The USDA Natural Resources Conservation Service (NRCS Oregon) proposes to assist the Central Oregon Irrigation District in Deschutes County with a project to modernize the Pilot Butte Canal by replacing the open canal with pressurized pipe. The intent of the project is to conserve water, power and maintenance efforts. The preferred alternative for the modernization project includes a segment of the Canal which is listed on the National Register of Historic Places. The project will include modification to the listed resource, including the loss of elements with significant visual and physical impact to the character of the Canal. NRCS Oregon is proposing to amend the existing Programmatic Agreement between COID, NRCS, Bureau of Reclamation and Oregon SHPO to include additional stipulations to mitigate for the loss of this segment by highlighting the history and significance of the Pilot Butte Canal. These new stipulations include:

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We would welcome your comments or questions about the amendment to the Programmatic Agreement, please contact me by email at rachel.gebauer@usda.gov, or by phone at 541-887-3511.

Sincerely,

Rachel LS Gebauer

Rachel Smith Gebauer, M.A., RPA
Oregon NRCS State Archaeologist

cc. Gary Diridoni, Oregon NRCS, ASTC Watershed Resources



Heidi Kennedy
Historic Landmarks Commission
City of Bend, Oregon

April 25, 2025

Subject: COID Pilot Butte Canal Modernization Project and PA Amendment

Dear Ms. Kennedy,

The USDA Natural Resources Conservation Service (NRCS Oregon) proposes to assist the Central Oregon Irrigation District in Deschutes County with a project to modernize the Pilot Butte Canal by replacing the open canal with pressurized pipe. The intent of the project is to conserve water, power and maintenance efforts. The preferred alternative for the modernization project includes a segment of the Canal which is listed on the National Register of Historic Places. The project will include modification to the listed resource, including the loss of elements with significant visual and physical impact to the character of the Canal. NRCS Oregon is proposing to amend the existing Programmatic Agreement between COID, NRCS, Bureau of Reclamation and Oregon SHPO to include additional stipulations to mitigate for the loss of this segment by highlighting the history and significance of the Pilot Butte Canal. These new stipulations include:

- Development of a pocket park within the right-of-way of the Canal within the Redmond Historic District. Retaining salvaged elements from the historic canal during the modernization project and incorporating them into the park.
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Please see the attached draft amendment to PA-17, Central Oregon Project System of Canals and Laterals.

We would welcome your comments or questions about the amendment to the Programmatic Agreement, please contact me by email at rachel.gebauer@usda.gov, or by phone at 541-887-3511.

Sincerely,

Rachel LS Gebauer

Rachel Smith Gebauer, M.A., RPA
Oregon NRCS State Archaeologist

cc. Gary Diridoni, Oregon NRCS, ASTC Watershed Resources



Megan Peninger
Historic Landmarks Commission
City of Redmond, Oregon

April 25, 2025

Subject: COID Pilot Butte Canal Modernization Project and PA Amendment

Dear Ms. Peninger,

The USDA Natural Resources Conservation Service (NRCS Oregon) proposes to assist the Central Oregon Irrigation District in Deschutes County with a project to modernize the Pilot Butte Canal by replacing the open canal with pressurized pipe. The intent of the project is to conserve water, power and maintenance efforts. The preferred alternative for the modernization project includes a segment of the Canal which is listed on the National Register of Historic Places. The project will include modification to the listed resource, including the loss of elements with significant visual and physical impact to the character of the Canal. NRCS Oregon is proposing to amend the existing Programmatic Agreement between COID, NRCS, Bureau of Reclamation and Oregon SHPO to include additional stipulations to mitigate for the loss of this segment by highlighting the history and significance of the Pilot Butte Canal. These new stipulations include:

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Please see the attached draft amendment to PA-17, Central Oregon Project System of Canals and Laterals.

We would welcome your comments or questions about the amendment to the Programmatic Agreement, please contact me by email at rachel.gebauer@usda.gov, or by phone at 541-887-3511.

Sincerely,

Rachel LS Gebauer

Rachel Smith Gebauer, M.A., RPA
Oregon NRCS State Archaeologist

cc. Gary Diridoni, Oregon NRCS, ASTC Watershed Resources



Nicole Possert
Restore Oregon

April 25, 2025

Subject: COID Pilot Butte Canal Modernization Project and PA Amendment

Dear Ms. Possert,

The USDA Natural Resources Conservation Service (NRCS Oregon) proposes to assist the Central Oregon Irrigation District in Deschutes County with a project to modernize the Pilot Butte Canal by replacing the open canal with pressurized pipe. The intent of the project is to conserve water, power and maintenance efforts. The preferred alternative for the modernization project includes a segment of the Canal which is listed on the National Register of Historic Places. The project will include modification to the listed resource, including the loss of elements with significant visual and physical impact to the character of the Canal. NRCS Oregon is proposing to amend the existing Programmatic Agreement between COID, NRCS, Bureau of Reclamation and Oregon SHPO to include additional stipulations to mitigate for the loss of this segment by highlighting the history and significance of the Pilot Butte Canal. These new stipulations include:

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- A video documentary on the history of the irrigation district, focusing on the Pilot Butte Canal, plus two entries to the online Oregon Encyclopedia documenting irrigation in Central Oregon and its impact on the development of the region.
- A print publication on the history of irrigation efforts in Central Oregon, to include photos from COID and the Bureau of Reclamation, will also be published.

Please see the attached draft amendment to PA-17, Central Oregon Project System of Canals and Laterals.

We would welcome your comments or questions about the amendment to the Programmatic Agreement, please contact me by email at rachel.gebauer@usda.gov, or by phone at 541-887-3511.

Sincerely,

Rachel LS Gebauer

Rachel Smith Gebauer, M.A., RPA
Oregon NRCS State Archaeologist

cc. Gary Diridoni, Oregon NRCS, ASTC Watershed Resources

**PROGRAMMATIC AGREEMENT AMONG THE
U.S. DEPARTMENT OF THE INTERIOR, BUREAU OF RECLAMATION,
COLUMBIA-CASCADES AREA OFFICE, THE NATURAL RESOURCES
CONSERVATION SERVICE, THE OREGON STATE HISTORIC PRESERVATION
OFFICE, AND THE CENTRAL OREGON IRRIGATION DISTRICT
REGARDING
COMPLIANCE WITH SECTION 106 OF THE NATIONAL HISTORIC
PRESERVATION ACT FOR CERTAIN ACTIVITIES INVOLVING THE CENTRAL
OREGON PROJECT SYSTEM OF CANALS, LATERALS, AND ASSOCIATED
IRRIGATION FEATURES AND FACILITIES**

WHEREAS, the Central Oregon Irrigation District (COID) operates and maintains irrigation systems, including the Pilot Butte and Central Oregon canals and those canals, dams, laterals, sub-laterals, ditches, and their associated features and facilities, and also known as the Central Oregon Project (Map - Appendix A), as defined in the Multiple Property Document, *Carey and Reclamation Act Irrigation Projects in Oregon, 1901-1978* (MPD), accepted by the National Park Service on July 10, 2017 (NRIS# MC100001302); and

WHEREAS, U.S. Bureau of Reclamation (Reclamation) determined, and the Oregon State Historic Preservation Officer (SHPO) concurred, that the Central Oregon Project is eligible for listing in the National Register of Historic Places (National Register) as a historic district, subsequently affirmed by the National Park Service through acceptance of the MPD; and

WHEREAS, Reclamation, the SHPO, and COID executed a Memorandum of Agreement #R14MA13733 in 2014 (2014 MOA – see Appendix E) pursuant to 36 CFR § 800.6. Execution of this Programmatic Agreement (PA) fulfills Stipulation 3.B.1 of the 2014 MOA. Upon completion of its implementing actions in Section 3, the 2014 MOA will programmatically mitigate adverse effects to contributing features and structures in the Central Oregon Project which are not individually eligible for listing to the National Register; and

WHEREAS, COID pursued completion of the implementing actions of the 2014 MOA in good faith and has completed 1) an inventory, reconnaissance level survey (RLS), with a GIS-based database identifying the contributing and non-contributing features of the COID historic system and other relevant data; and 2) a National Register Multiple Property Document for the Carey and Reclamation Acts Irrigation projects in Oregon, 1901-1978 (MPD). COID committed to interpretation and nomination of segments of the Pilot Butte Canal and the Central Oregon Canal to the National Register. These segments are identified as the Pilot Butte Canal: Downtown Redmond Segment Historic District and Central Oregon Canal Historic District: Ward Road - Gosney Road Segment; and

WHEREAS, Reclamation, Natural Resources Conservation Services (NRCS) and other federal agencies may provide federal grant funding or other authorizations to COID for piping, modifications, and system upgrades within the District; and

WHEREAS Reclamation and NRCS, in acknowledgement of its continued responsibility to engage in meaningful consultation with tribes, invited the Confederated Tribes of Warm Springs to be a consulting party to this PA; and

WHEREAS, Reclamation NRCS and any other federal agency that may sign this agreement acknowledges its continued responsibility to engage in meaningful consultation with tribes (See 54 USC § 302706, Executive Order 13175 and the November 5, 2009, Presidential Memorandum on Tribal Consultation) throughout the process of carrying out the stipulations of this agreement; and

WHEREAS, Reclamation notified the Advisory Council on Historic Preservation (Council) of its desire to satisfy its Section 106 responsibilities for undertakings that may affect COID in a programmatic manner, and invited the Council's comments and participation in the review of this PA, pursuant to 36 CFR § 800.6(a)(1), and the Council declined to formally participate in development of the PA or to be a signatory; and

WHEREAS, COID and SHPO may address COID's obligations under Oregon Revised Statute 358.653 in a separate programmatic agreement; and

WHEREAS, on December 31, 2020, the US Fish & Wildlife Service finalized and approved the Deschutes Basin Habitat Plan (HCP); and

WHEREAS, the Deschutes Basin HCP includes required mitigation measures, to restore flows and in turn benefit impacted species; and

WHEREAS, NRCS, under provisions of Section VII(A) of this document, signed the Programmatic Agreement on March 7, 2023; and

NOW THEREFORE, Reclamation, NRCS, and any other federal agency that may sign this agreement, the SHPO, and COID (Parties) agree that where federal funding, permitting or authorization of covered undertakings (See Section III (A)(1)) comply with the procedures of this PA, such compliance will satisfy the federal agency's responsibilities under Section 106 of the National Historic Preservation Act, as amended (54 USC § 306108) for addressing the effects of these undertakings on historic properties.

I. PURPOSE AND INTENT

The purpose of this PA is to establish procedures that the Parties will use to fulfill the consultation process described in 36 CFR Part 800 related to the piping, repair, and maintenance of the COID canal system and its related features. This PA:

- Establishes procedures to use the MPD to evaluate unevaluated features and segments of the COID canal system regarding their eligibility for listing in the National Register;
- Addresses adverse effects to individually eligible irrigation-related, built resources within the COID system, not programmatically mitigated by the MOA that mandated this PA;
- Identifies routine and minor COID activities that would have "no effect" or "no adverse effect" to historic properties, and would not require standard review under 36 CFR §§ 800.3-800.6;

- Provides procedures to streamline implementation of undertakings related to piping of irrigation canals, laterals, and sub-laterals where archaeological survey resulted in no archaeological materials identified;
- Provides a protocol for addressing inadvertent or unanticipated discoveries of archaeological resources including those of religious and cultural significance to Indian Tribes;
- Establishes management procedures for National Register-listed segments and elements that the COID committed to preserve.

II. ROLES AND RESPONSIBILITIES

Each agency will be responsible for activities as follows:

- A. The signatory Federal agency who funds, permits or authorizes the covered undertaking will serve as the lead Federal agency as defined under 36 CFR § 800.2. The lead federal agency will be responsible for ensuring the completion of cultural resource documentation and archaeological survey reporting; assembling all submissions to SHPO; and resolving SHPO comments regarding compliance determinations made pursuant to this PA. In the event multiple federal agencies fund a single covered undertaking, the agencies will identify a lead federal agency and notify COID and SHPO.
- B. COID will be responsible for providing annual reporting of activities undertaken by COID where the provisions of this PA are applied. Annual reporting will describe all activities conducted during the reporting period that fall within the categories of activities listed in Procedures (Section III) below, and Appendices B and D. The lead federal agency will have 15 calendar days from receipt for an internal review of these documents before forwarding to SHPO for review. All documents provided will meet standards established under 36 CFR § 800.11. Electronic correspondence between the lead federal agency and COID is acceptable and encouraged during the internal review.
- C. The lead federal agency will be the point of contact for any inadvertent or unanticipated cultural resources, and will consult with the SHPO, COID, and other consulting parties consistent with Section III.C and Appendix D.
- D. Within 60 days of signing this PA, each signatory and any other consulting party will designate a primary point of contact for carrying out this PA, and provide contact information for that individual to Reclamation. If more than one person is designated as a primary contact, the party will also indicate the responsibilities of each such person for carrying out this PA. A list of primary contacts is provided as Appendix C and will be updated annually, as needed.
- E. All cultural resources technical activities conducted pursuant to this PA will be carried out by, or under the direct supervision of, persons meeting the relevant Secretary of the Interior's Professional Qualification Standards (36 CFR Part 61, Appendix A).

III. PROCEDURES

A. APPLICABILITY

1. **Covered undertakings.** These procedures apply to COID projects or activities
Covered undertakings also include:
 - a. exempt activities with no potential to cause adverse effects to historic resources, listed in Appendix B;
 - b. activities involving the inadvertent discovery of cultural resources (Section III.C and Appendix C); and
2. **Covered undertakings do not require further consultation.** Upon completion of the implementing actions of the 2014 MOA, adverse effects resulting from conversion of open irrigation conveyance systems to subterranean pipes will be fully mitigated and the lead agency may carry out, authorize, or fund these undertakings without further consultation with the SHPO.
3. **Undertakings not covered by this PA will include:**
 - a. Those that affect properties that are individually listed, or are determined to be individually eligible for listing in the National Register (Section III.B.2); and
 - b. Those where a cultural resource survey under Section III.C determines the undertaking may impact archaeological resources and that those impacts cannot be avoided
 - c. Historic properties not related to the Central Oregon Project that may be affected by an undertaking. Effects to such properties are not covered by this agreement.
4. Unless otherwise noted in this agreement, the signatories will use the procedures identified below in place of those identified at 36 CFR §§ 800.3 - 800.13.

B. PROCEDURES: BUILT ENVIRONMENT HISTORIC PROPERTIES

1. The parties will use the stepped processes in this section in lieu of the process at 36 CFR § 800.4-800.6 for covered undertakings with respect to impacts on built environment historic properties, unless the activity does not require further review under Appendix B of this agreement, or unless the activity is subject to Section III.D of this agreement.
2. **Built Environment Evaluation Standards.** The Parties will use the MPD and RLS to identify individually eligible features and segments of the canal system to be managed under this PA and any subsequent documents created as part of the process addressing adverse effects of future piping projects.
3. **Built Environment Surveys and Amendments.** COID or the lead federal agency will amend the RLS, as necessary, using the evaluation standards described in the MPD, to evaluate the eligibility of any previously unevaluated elements or segments that are subject to an undertaking. The survey amendments will include all categories

- of information collected for the original RLS, including, but not limited to: location/address; GIS data; photograph; year built/alterd; construction materials; structure type/style; original use; specific notes/comments; evaluation conclusion or National Register status (non- contributing, contributing, or individually eligible); and date of survey amendment. If performed by COID, COID will notify the lead federal agency of the RLS amendment and any conclusions in writing. Within 15 days of receipt of notification, the lead federal agency will use the MPD to accept or revise the conclusions of the amendment regarding National Register status.
4. **Public Comment and SHPO Review.** If the lead federal agency determines that no individually eligible segments are within the Area of Potential Effect for the undertaking, COID will provide the public 30 days to comment. COID will then forward all comments received during the comment period to SHPO and the lead federal agency. SHPO will review the evaluation and received comments and provide any comments it may have to the lead federal agency within 30 days of receipt. The lead federal agency will consider and address any comments SHPO may provide within 30 days of receipt. If the lead federal agency receives no comment from SHPO, they will make the Determination of Eligibility and the project may proceed.
 5. **Amendment Reporting and Eligibility Determinations.** If no features or elements are individually eligible, COID will forward the amended RLS data to the lead federal agency who will submit the data to SHPO for inclusion in the Oregon Historic Sites Database. Upon submittal to the SHPO of these data, COID may proceed with the covered undertaking without further consultation. A summary of survey amendments and eligibility determinations will be provided to the SHPO as part of the annual report (See Part IV (B)).
 6. **Consultation on Individually Eligible Features or Segments.** If the lead federal agency determines a feature or segment is individually eligible, the lead federal agency will determine whether the undertaking will adversely affect the resource and, if necessary, consult with SHPO using the procedures in 36 CFR § 800.6.

C. PROCEDURES: ARCHAEOLOGICAL HISTORIC PROPERTIES

1. The parties will use the stepped processes in this section in lieu of the process at 36 CFR §§ 800.4-800.6 for covered undertakings with respect to impacts on archaeological historic properties, unless the activity does not require review under Section III.A of this agreement, or the activity is subject to Section III.D of this agreement.
2. **Inadvertent Discoveries of Archaeological Resources.** If there are inadvertent or unanticipated discoveries of archaeological resources during implementation of any undertakings covered under this PA, the lead federal agency and COID will implement the inadvertent discovery plan (Appendix D) and consult with the SHPO to develop a plan for the treatment of the property.
3. **Requirement for Cultural Resource Surveys.** For any undertaking involving ground-disturbing activities that may affect previously undisturbed surface or subsurface soils, including previously mitigated and exempt undertakings, COID will

conduct a cultural resources survey to identify the potential for archaeological resources within the APE.

- a. “Previously undisturbed soils” are considered any surface or subsurface area(s) outside the width and depth of the cross sections, or prisms, of the canals, laterals, sub-laterals, and ditches that comprise the Central Oregon Project, inclusive of the berms and embankments created by their construction, which often consist of flanking ditch rider roads, and which may have been deposited on undisturbed soils.
 - b. “Ground-disturbing activities” are considered any activity that involves the movement or removal of surface soil, or excavation of soils for an undertaking, including but not limited to digging, drilling, and grading, and the activities and staging of heavy equipment.
4. **Cultural Resource Surveys, Standards.** Cultural resource surveys and reports will address cultural resources including those of religious or cultural importance to Indian tribes, as ascertained through tribal consultation. All cultural resources surveys will meet requirements of the most recent Guidelines for Conducting Field Archaeology in Oregon, and be carried out by a qualified archaeologist, as defined by the Secretary of the Interior’s Professional Qualification Standards (36 CFR Part 61, Appendix A).
 5. **Notice of No Archaeological Resources Detected.** If the cultural resources survey does not identify archaeological resources within the area of potential effect, COID will notify the lead federal agency in writing that no archaeological resources were detected and include a copy of the cultural resource survey report. For covered undertakings, this document may be combined with a finding of no adverse effect to historic properties determination. The lead federal agency has 15 days from receipt to review and accept the report. The lead federal agency will then provide a copy to SHPO with the annual report, and COID may proceed with the undertaking.
 6. **Consultation on Archaeological Resources identified during survey.** If archaeological resources (including properties of traditional religious and cultural importance to an Indian tribe, per 36 CFR § 800.16(l)(1)) are found within the area of potential effects, COID will provide the lead federal agency a copy of the cultural resources survey, and the lead federal agency will initiate consultation with the SHPO and appropriate Tribes using the Section 106 process defined at 36 CFR §§ 800.2-800.13. Consultation on archaeological resources may be combined with any consultation regarding built environment historic properties required by this agreement.
 7. **Adverse Effects.** Adverse effects to eligible archaeological sites must be resolved according to the provisions of 36 CFR § 800.6. Mitigation measures will be determined through consultation with the SHPO and other appropriate parties.

D. MANAGEMENT OF RESOURCES

The listed historic properties COID committed to preserve will be maintained such that the historic integrity of and identification of the historic property will remain representative of an irrigation conveyance system, in accordance with the Secretary of the Interior's Standards for the Treatment of Historic Properties (see 36 CFR Part 68).

1. The historic character will be retained and preserved. The replacement of intact or repairable historic materials or alteration of features, spaces and spatial relationships that characterize a property will be avoided. If an undertaking will result in an adverse effect to listed properties, COID will resolve the adverse effect according to the provisions of 36 CFR §800.6. Mitigation measures will be determined through consultation with SHPO and other appropriate parties and incorporated into this agreement through the amendment process outlined in Section VII
2. Each property will be recognized as a physical record of its time, place and use. Work needed to stabilize, consolidate and conserve existing historic materials and features will be physically and visually compatible, identifiable upon close inspection and properly documented for future research.
3. Changes to a property that have acquired historic significance in their own right will be retained and preserved. If an undertaking will result in an adverse effect to listed properties, COID will resolve the adverse effect according to the provisions of 36 CFR §800.6. Mitigation measures will be determined through consultation with SHPO and other appropriate parties and incorporated into this agreement through the amendment process outlined in Section VII.
4. Distinctive materials, features, finishes and construction techniques or examples of craftsmanship that characterize a property will be preserved. If an undertaking will result in an adverse effect to listed properties, COID will resolve the adverse effect according to the provisions of 36 CFR §800.6. Mitigation measures will be determined through consultation with SHPO and other appropriate parties and incorporated into this agreement through the amendment process outlined in Section VII.
5. The existing condition of historic features will be evaluated to determine the appropriate level of intervention needed. Where the severity of deterioration requires repair or limited replacement of a distinctive feature, the new material will match the old in composition, design, color and texture.

IV. REPORTING

- A. **Documentation Requirements.** Documents prepared in support of this agreement will satisfy those standards identified in 36 CFR § 800.11, the most recent SHPO Built Resources Survey Guidelines, and State of Oregon Guidelines for Reporting on Archaeological Investigations, unless otherwise defined in this document. Submission to SHPO will be made through the most current SHPO submission process.
- B. **Annual Report.** The annual report will include the following:

1. A summary of all activities taken to fulfill the terms of this PA during the previous year, any problems encountered in fulfilling its terms, and suggestions for amendments to the PA.
2. A list of historic properties that were affected by activities completed under the PA during the previous reporting period, including the type and extent of historic property documentation conducted related to the covered undertakings, any determinations regarding the individual eligibility of a feature or segment (Section III.B), any unanticipated discoveries which occurred (Section III.C[2]), any emergency situations (Section III.D), and negative archaeological survey data (Section III.C[5]).
3. A summary of exempt activities that occurred during the PA reporting period. COID will document each Exempt Activity with a spreadsheet, that describes the Exempt Activity, its location, and start date, end date or projected end date. The descriptions will indicate which Exempt Activity category applies to the action, as per Appendix B. Updates to the RLS where upgrades or system modifications have occurred during the reporting year will be completed, and updated data will be provided.
4. Work proposed for the upcoming reporting period that is subject to this PA.
5. Updates to points of contact (Appendix C), as needed.

Timing and Review of Annual Report. COID will prepare and submit an annual report to all lead federal agencies responsible for undertakings that year. It will be reviewed and signed by all lead federal agencies, and then submitted to SHPO for review and signature. SHPO will provide a fully signed copy to all relevant signatories. The first annual report will be issued on November 15, 2019, and annually thereafter. Each annual report will be submitted to the relevant lead federal agency for transmittal to SHPO. A copy of each annual report will also be provided to any other signatories of the PA. The lead federal agency or SHPO will raise any concerns they may have regarding the annual report by close of business 30 days after submitted. No response by the lead federal agency or SHPO within 30 days is considered approval of the report.

- C. **Request for Project File.** The SHPO may request project files for any activity carried out pursuant to this PA. COID and relevant lead federal agencies will cooperate with the SHPO to provide the documentation and review project files for an undertaking.

V. DISPUTE RESOLUTION

- A. Should any signatory to this PA object in writing at any time to any activities proposed pursuant to the terms of this PA, the lead federal agencies will consult with the objecting party and the SHPO to resolve the objection. If, after 30 days from receiving written notification, the lead federal agency determines that the objection cannot be resolved, they will:
1. Forward all documentation relevant to the dispute, including the lead federal agency's proposed resolution, to the Council. The Council will provide the lead federal agency with its advice on the resolution of the objection within 30 calendar days of receiving adequate documentation. Prior to reaching a final decision on the dispute, the lead

- federal agency will prepare a written response that takes into account any timely advice or comments regarding the dispute from the Council, signatories, and concurring parties, and provide them with a copy of this written response within 30 days of receipt of Council comments. The lead federal agency will then proceed according to its final decision.
2. If the Council does not provide its advice regarding the dispute within 30 calendar days, the lead federal agency will, from the expiration of the Council's comment period, have 30 days within which to make a final decision on the dispute, and will proceed accordingly. Prior to reaching such final decision, the lead federal agency will prepare a written response that takes into account any timely comments regarding the dispute from the signatories and concurring parties to the PA, and provide them and the Council with a copy of such written response.
- B. Parties' responsibilities to carry out all other actions under this PA that are not the subject of an ongoing dispute remain unchanged.
 - C. All timelines in this section can be modified at the mutual agreement of the relevant signatories.

VI. DURATION

This PA will become effective on the date of the initial submission to Council, and will remain in effect for a period of ten years unless extended pursuant to Section VI.B, below, or terminated in accordance with Section VII.

- A. As needed, the signatories will review this agreement five years after this agreement becomes effective and every five years thereafter and amend the document as necessary, upon agreement of the signatories. The agreement may be extended for an additional ten years (with an additional five-year review), subject to agreement of all signatories. All 5-year and 10-year reviews should include representatives of Reclamation, NRCS, and any other federal agencies that have signed this agreement, SHPO, and COID.
- B. All timelines in this section can be modified at the mutual agreement of the relevant signatories.

VII. AMENDMENT, NON-COMPLIANCE, AND TERMINATION

- A. **Additional Federal Agencies.** Additional federal agencies that may carry-out, authorize or fund the kinds of covered undertakings described in this agreement may join the agreement by providing a signed signature page to the other signatories at least 90 days prior to an undertaking. Any agencies requesting to be added to this agreement must meet all requirements and obligations within this agreement, including professional qualifications.
- B. **Amendment.** Any signatory may request amendment of this PA to the other signatories and consulting parties in writing. The lead federal agency will consult with the signatories for up to 30 calendar days concerning the necessity and appropriateness of the proposed amendment. Any signatory or consulting party may request the involvement of the Council during the amendment process. At the end of the consultation period the lead

federal agency will provide an amended document for signature by the signatories or a written statement describing why the proposed lead federal agency chose not to pursue an amendment to this document. Amendments will be effective on the date a copy of the document signed by all of the signatories is filed with the Council. Any Signatory to this PA may propose that any appendix be modified or removed at any time upon written agreement of the Signatories to this PA. Amendments to Appendices may be made, if agreed to by all signatories, without consulting the Council.

- C. Termination. If any signatory to this PA determines that its terms will not or cannot be carried out, that party will immediately provide written notification to the lead federal agency and consult with the other signatories to attempt to develop an amendment per Stipulation VII.B, above. If an amendment cannot be reached within 30 days (or another time period agreed to by all signatories) from the notice opening consultation under this provision, any signatory may terminate the PA upon written notification to the other signatories.

Once the PA is terminated, and prior to work continuing on the undertaking, Reclamation, NCRS or any additional federal agencies that may sign onto this agreement, COID, and SHPO must either (a) execute another PA pursuant to 36 CFR § 800.6 or (b) request, take into account, and respond to the comments of the Council under 36 CFR § 800.7, or (c) the lead federal agency will comply with standard consultation as defined in 36 CFR § 800.3-13. The lead federal agency will notify the signatories as to the course of action it will pursue.

- D. **Replacement.** This agreement may be replaced by another subsequent agreement that explicitly terminates or supersedes this agreement, or by the lead federal agency's implementation of Alternate Procedures, pursuant to 36 CFR § 800.14(a), or of supplanting regulations.
- E. All timelines in this section can be modified at the mutual agreement of the relevant signatories.

VIII. GENERAL PROVISIONS

- A. This agreement is neither a fiscal nor a funds obligating document. Any endeavor or transfer of anything of value involving reimbursement or contribution of funds between the parties of this agreement will be handled in accordance with applicable laws, regulations, and procedures including those for government procurement and printing. Such endeavors will be outlined in separate agreements that will be made in writing by representatives of the parties and will be independently authorized by appropriate statutory authority. This PA does not provide such authority.
- B. Nothing herein will be construed to obligate the lead federal agency to expend or involve the United States of America in any contract or other obligation for the future payment of money in excess of the appropriations authorized by law and administratively allocated for the purposes and projects contemplated hereunder.
- C. No member of or delegate to Congress, or resident Commissioner, will be admitted to any share or part of the PA or to any benefit that may arise out of it.

- D. This agreement does not alter, amend, repeal, interpret or modify tribal sovereignty, any treaty rights, or other rights of an Indian tribe. This PA also does not alter the existing government-to-government relationship between the federal government and Indian tribes.

IX. EXECUTION OF THIS PROGRAMMATIC AGREEMENT IN COUNTERPARTS

This PA may be executed in counterparts, with a separate page for each signatory. Reclamation or NRCS will ensure that each party is provided with a copy of the fully executed PA.

EXECUTION of this PA by Reclamation, NRCS, the SHPO, and COID and implementation of its terms, is evidence that Reclamation and NRCS have taken into account the effects of these undertakings on historic properties and afforded the Council an opportunity to comment.

AMENDMENT TO PROGRAMMATIC AGREEMENT NO. R19MA13745

The Programmatic Agreement is modified as follows:

1) The following changes are made to the adopted Agreement.

- The title of the Agreement is amended to acknowledge the inclusion of the Natural Resources Conservation Service as a signatory.
- The text of the Agreement is amended in multiple locations to acknowledge the inclusion of the Natural Resources Conservation Service.
- Three (3) new paragraphs are inserted on Page 2 of the Agreement, as follows:
 - WHEREAS, on December 31, 2020, the US Fish & Wildlife Service finalized and approved the Deschutes Basin Habitat Plan (HCP); and
 - WHEREAS, the Deschutes Basin HCP includes required mitigation measures, to restore flows and in turn benefit impacted species; and
 - WHEREAS, NRCS, under provisions of Section VII(A) of this document, signed the Programmatic Agreement on March 7, 2023; and
- Section D of the Agreement is modified to include the words “will remain.”
- Sections D(1), D(3) and D(4) of the Agreement are modified with added language to describe the process for addressing adverse effects to listed properties covered by the Agreement as follows:
 - If an undertaking will result in an adverse effect to listed properties, COID will resolve the adverse effect according to the provisions of 36 CFR §800.6. Mitigation measures will be determined through consultation with SHPO and other appropriate parties and incorporated into this agreement through the amendment process outlined in Section VII.

2) The following language is added to the adopted Agreement in response to changes in operation.

WHEREAS, the Pilot Butte Canal: Downtown Redmond Segment Historic District was listed in the National Register of Historic Places in 2017 under the Carey and Reclamation Acts Irrigation projects in Oregon, 1901-1978 Multiple Property Document (MPD), and

WHEREAS, as part of this original agreement as adopted in July 2019, the signatories determined to preserve and interpret the historic character of the Pilot Butte Canal: Downtown Redmond Segment Historic District as an element of its on-going irrigation operations, and

WHEREAS, in order to provide consistent and efficient service to its irrigation customers, meet the standards established by federal agencies and funding sources, improve water delivery and reduce loss through seepage and evaporation, NRCS in coordination with COID, has now determined that its preferred alternative for the Pilot Butte Canal: Downtown Redmond Segment Historic District is to pipe that segment within its irrigation system, and

WHEREAS, the Pilot Butte Canal Piping Project with partial funding through the Watershed Protection and Flood Prevention Act of 1954 (Public Law [PL] 83-566, program constitutes a federal undertaking as defined by 36 CFR §800.16(y) and is counter to language of the existing Programmatic Agreement No. R19MA13745, and

WHEREAS, NRCS in coordination with COID determined that the proposed piping of the Pilot Butte Canal: Downtown Redmond Segment Historic District would result in a loss of historic character and integrity to that property and the NRCS and the Oregon SHPO concurred with a Finding of Adverse Effect on XXX-2025, and

WHEREAS, NRCS in coordination with multiple Tribes and Tribal Representatives as suggested by the Oregon Legislative Commission on Indian Services, for which the Pilot Butte Canal: Downtown Redmond Segment Historic District may have religious or cultural significance, and,

WHEREAS, NRCS in coordination with COID has consulted with other interested parties including the City of Redmond, Deschutes County and City of Bend landmark review authorities, the Deschutes County History Museum, RestoreOregon, and other history and preservation-related organizations in the region,

WHEREAS, NRCS acknowledges its continued responsibility to engage in meaningful consultation with tribes throughout the process of carrying out the stipulations of this agreement as applicable, and,

WHEREAS, NRCS, COID, Oregon SHPO and the Bureau of Reclamation have agreed to modified language within the main body of the previously signed programmatic agreement to clarify future work on the Pilot Butte Canal and Central Oregon canals;

NOW, THEREFORE, COID, NRCS, Reclamation and the Oregon SHPO agree that the undertaking shall be implemented in accordance with the following stipulations in order to take into account the adverse effect of the undertaking on historic properties.

1. STIPULATIONS:

- A. In coordination with the City of Redmond Parks District, COID will support the design and development of a pocket park or linear corridor within its right-of-way that highlights a section of the Pilot Butte Canal. The preferred location will be within the Pilot Butte Canal: Downtown Redmond Segment Historic District, subject to agreement from the City of Redmond. The park will include landscape amenities that help to document the scale and design of the Pilot Butte Canal, its history and significance, and will include no less than two (2) high-quality interpretive panels of minimum 24x36" size, constructed of high-quality durable material suitable for outdoor display. Panel content will be prepared by person(s) meeting the relevant Secretary of the Interior's Professional Qualification Standards (36 CFR Part 61, Appendix A) and include text and graphics on the construction, operation and significant impacts of the canal in the Bend/Redmond region. The panel will remain in a publicly accessible location for a minimum of ten (10) years from the date of installation.
- B. COID will retain salvaged elements from the Pilot Butte Canal Piping Project for use in the design of Stipulation A as possible. Such elements might include gate valves, chute structures, fish screens, or other built features that can be incorporated as interpretative or artistic elements within the park. If no salvageable materials are identified or considered appropriate for interpretative use, COID and NRCS will develop alternative mitigation of comparable scale in consultation with SHPO and other signatories.
- C. COID will support the production of a video documentary on the history of the irrigation district, focused on the Pilot Butte Canal. This professionally scripted and produced work will include historic and current images, interviews with appropriate individuals as can be identified, and other pertinent materials to create a balanced and accessible history of the role and impact of irrigation in the history of Deschutes County, with emphasis on the Bend-Redmond area. The production will have a total runtime of not less than ten (10) minutes in length. The completed work will be made available to the public via multiple platforms, including COID's website (for a minimum of five (5) years), YouTube, and other platforms (OPB, local media, etc.) as can be identified.
- D. COID will support the development of two entries that document the history of irrigation in Central Oregon and its impact on the development of that region for inclusion in the Oregon Encyclopedia (www.oregonencyclopedia.org). Entries will be professionally researched, written to OE standards, and be prepared by person(s) meeting the relevant Secretary of the Interior's Professional Qualification Standards (36 CFR Part 61, Appendix A). One entry will include a narrative to serve as an overview/cover entry for Carey Act projects in Central Oregon and the role of the Bureau of Reclamation in the agricultural development of the Bend-Redmond area. A second entry will focus specifically on COID's history and development, including the Pilot Butte Canal. This is envisioned as a framework for future entries on the COID system elements as well as for other irrigation districts in the region. Final entries, subject to OE approval, will be uploaded to the OE website and maintained for free public access. Should OE decline to publish entries as proposed, COID and NRCS will propose alternative mitigation measures of comparable scale.

- E. COID will support the development of a professionally researched and designed publication on the history of irrigation efforts in the Central Oregon region. This illustrated work will be prepared by person(s) meeting the relevant Secretary of the Interior's Professional Qualification Standards (36 CFR Part 61, Appendix A) and will draw on COID's and Reclamation's photo and map archives, along with other materials, to document the history and implementation of the Carey Act in Deschutes and Jefferson counties with a focus on COID's own history and development over the past 125 years. The finished work, with an estimated length of 100-125 pages, will include a narrative history of the COID system, a timeline and details of its construction and operation as well narrative on the district's role in the development of Deschutes and Jefferson counties. The publication will be amply illustrated with the intent to provide a focused history of COID in an academically sound and accessible narrative geared toward an interested general public to inform future research and study.

COID will distribute gratis copies of the completed work to area libraries, school districts and historic societies in Deschutes and Jefferson counties, with additional copies to the Oregon Historical Society, the University of Oregon and Oregon State University and other regional repositories to assure widespread public availability.

- F. COID and NRCS shall ensure that all work in completing the above measures are carried out by or occur under the supervision of individuals who meet the appropriate Secretary of the Interior's Professional Qualifications Standards (36 CFR §61).
- G. COID and NRCS will assure that the Downtown Redmond Segment is formally delisted from the National Register of Historic Places following its demolition. COID will provide photography and other information to Oregon SHPO so that it may prepare the required documentation for submittal to the National Park Service.

2. REVIEW OF MITIGATION MATERIALS

- A. For Stipulation 1A, COID and NRCS will, in coordination with the City of Redmond, develop a project plan, initial concepts plan, draft and final layout so as to provide a minimum of three (3) progress review opportunities, each lasting a minimum of thirty (30) calendar days, for comment on the completeness of the mitigation materials before final submission. Comments provided shall be taken into consideration within the limits of the project as described in the stipulation.
- B. For Stipulation 1C, COID and NRCS will develop a project plan and rough script or outline and provide a minimum of two (2) progress review opportunities, each lasting a minimum of thirty (30) calendar days, for comment on the completeness of the mitigation materials before final submission. Comments provided shall be taken into consideration within the limits of the project as described in the stipulation.
- C. For Stipulation 1E, COID and NRCS will develop a project outline, proposed table of contents layout/design scheme and provide a minimum of two (2) progress review opportunities, each lasting a minimum of thirty (30) calendar days, for comment on the completeness of the mitigation materials before final submission. Comments **provided**

shall be taken into consideration within the limits of the project as described in the stipulation.

- D. For all remaining Stipulations COID and NRCS shall provide the signatories with at least one opportunity lasting a minimum of thirty (30) calendar days to comment on the completeness of the mitigation materials specified in the stipulations described in this amendment before final submission. Comments provided shall be taken into consideration within the limits of the project as described in the stipulations.

3. REVIEW OF MITIGATION MATERIALS

Any disagreements regarding the implementation or design of the mitigation efforts are subject to Section V, Dispute Resolution process, as outlined in the Agreement.

4. COMPLETION

COID and NRCS will complete all mitigation as outlined in Section 1, A-H prior to the expiration of the programmatic agreement. If additional time is required, the agreement may be extended as per Section VI, Duration, as outlined in the Agreement.

5. EXECUTION OF THIS AMENDMENT

This Amendment may be executed in counterparts, with a separate page for each signatory. Reclamation or NRCS will ensure that each party is provided with a copy of the fully executed PA.

EXECUTION of this PA by Reclamation, NRCS, the SHPO, COID and any concurring parties and the implementation of its terms, is evidence that Reclamation and NRCS have taken into account the effects of these undertakings on historic properties and afforded the Advisory Council on Historic Preservation an opportunity to comment.

[Add Signature Pages, per Original PA sections #7 and #9] including the City of Redmond as a Concurring Party.

Jennifer Hughes

From: Tanya Saltzman <Tanya.Saltzman@deschutes.org>
Sent: Tuesday, April 29, 2025 10:37 AM
To: 'Gebauer, Rachel - FPAC-NRCS, OR'
Cc: Diridoni, Gary - NRCS, Portland, OR; Peter Geiger
Subject: RE: COID Pilot Butte Modernization Project



Good morning again Rachel and team,

Following up on this—after discussion with our director, we have determined that this is outside the jurisdiction of the County HLC so will not provide comments. And therefore, please disregard my invite to speak at our HLC meeting. Apologies for any confusion on this—I responded yesterday before I fully considered all the factors (it was a long day!).

Thanks,
 Tanya



Tanya Saltzman, AICP | Senior Planner
Deschutes County Community Development

117 NW Lafayette Ave | Bend, Oregon 97703

Tel: (541) 388-6528 | www.deschutes.org/cd



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From: Tanya Saltzman
Sent: Monday, April 28, 2025 4:21 PM
To: Gebauer, Rachel - FPAC-NRCS, OR <rachel.gebauer@usda.gov>
Cc: Diridoni, Gary - FPAC-NRCS, OR <gary.diridoni@usda.gov>; Peter Geiger <PGeiger@parametrix.com>
Subject: RE: COID Pilot Butte Modernization Project

Rachel,

Thanks for reaching out. Just so I am clear, you are asking for comments from the Deschutes County HLC per page 13 of the attachment concerning proposed changes to the programmatic agreement, which in this case pertains to piping projects within the City of Redmond's jurisdiction? The other correspondence was addressed to the City of Redmond so forgive me if I am not understanding it exactly. The Deschutes County HLC has a different jurisdiction—it specifically excludes the cities within Deschutes County (since Bend and Redmond have their own HLCs), so just wanted to make sure.

If that's all correct, a couple more questions:

1. Is there a timeline associated with this?

2. This is very short notice, but would you be available to pop in via Zoom to the County HLC's meeting next Monday evening, May 5, at 5:30 and briefly speak to them about this? The HLC only meets quarterly and it would be great to have someone explain this effort to them so they can make informed comments. I realize this is a mere week away so it's completely fine if you're not available—figured I'd ask, though.

Please let me know if I am understanding your request correctly, and if so if you might be available for next week's meeting.

Thanks again,
Tanya



Tanya Saltzman, AICP | Senior Planner
Deschutes County Community Development
 117 NW Lafayette Ave | Bend, Oregon 97703
 Tel: (541) 388-6528 | www.deschutes.org/cd



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From: Gebauer, Rachel - FPAC-NRCS, OR <rachel.gebauer@usda.gov>

Sent: Friday, April 25, 2025 3:43 PM

To: Tanya Saltzman <Tanya.Saltzman@deschutes.org>

Cc: Diridoni, Gary - FPAC-NRCS, OR <gary.diridoni@usda.gov>; Peter Geiger <PGeiger@parametrix.com>

Subject: COID Pilot Butte Modernization Project

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Caution: External email to Deschutes County: If unexpected or unfamiliar, be cautious with links and attachments. Contact your IT Dept if unsure.

Dear Ms. Saltzman,

The COID Pilot Butte Canal Modernization Project includes the need to amend the existing PA with Oregon SHPO to mitigate for the proposed piping of the Redmond Historic District Segment of the Canal.

A letter and a draft of the proposed amendment to PA-173 is attached here for review by the Deschutes County Historic Landmarks Commission.

We welcome any questions or comments.

Thank you,

Rachel

Rachel L.S. Gebauer M.A., RPA

State Cultural Resources Specialist/ Archaeologist

Oregon NRCS | Ecological Sciences



U.S. DEPARTMENT OF AGRICULTURE

Natural Resources Conservation Service

1945 Main St. Klamath Falls, OR 97601

Suite 200

p: (541) 887-3511 | c: (541) 591-7418

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Jennifer Hughes

From: Heidi Kennedy <hkennedy@bendoregon.gov>
Sent: Tuesday, April 29, 2025 10:28 AM
To: Gebauer, Rachel - FPAC-NRCS, OR
Cc: Diridoni, Gary - NRCS, Portland, OR; Peter Geiger; Tanya Saltzman
Subject: RE: COID Pilot Butte Modernization Project



Good morning, No comments or questions as the Redmond Historic District Segment of the canal is a substantial distance from the City of Bend city limits, the jurisdiction of the Bend Landmarks Commission. Thank you.



Heidi Kennedy, AICP

Senior Planner

My Pronouns: She, Her, Hers [Why Pronouns?](#)

Office: 541-617-4524

CITY OF BEND



From: Gebauer, Rachel - FPAC-NRCS, OR <rachel.gebauer@usda.gov>
Sent: Friday, April 25, 2025 3:44 PM
To: Heidi Kennedy <hkennedy@bendoregon.gov>
Cc: Diridoni, Gary - FPAC-NRCS, OR <gary.diridoni@usda.gov>; Peter Geiger <PGeiger@parametrix.com>
Subject: COID Pilot Butte Modernization Project

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Dear Ms. Kennedy,

The COID Pilot Butte Canal Modernization Project includes the need to amend the existing PA with Oregon SHPO to mitigate for the proposed piping of the Redmond Historic District Segment of the Canal.

A letter and a draft of the proposed amendment to PA-173 is attached here for review by the City of Bend Landmarks Commission.

We welcome any questions or comments.

Thank you,

Rachel

Rachel L.S. Gebauer M.A., RPA

State Cultural Resources Specialist/ Archaeologist
Oregon NRCS | Ecological Sciences



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Jennifer Hughes

From: Gebauer, Rachel - FPAC-NRCS, OR <rachel.gebauer@usda.gov>
Sent: Wednesday, June 18, 2025 4:26 PM
To: Megan Peninger
Cc: Diridoni, Gary - NRCS, Portland, OR; Shane Phelps
Subject: RE: COID Pilot Butte Canal Modernization Project Agreement



Hi Megan,

We were wondering if you had had the time to look at our amended PA for the Central Oregon Irrigation District's Pilot Butte Canal project. We are planning additional stipulations to mitigate for the adverse effects to the historic canal.

As the City is a concurring party, we would very much like to have your input on the agreement amendment.

Thank you,

Rachel

Rachel L.S. Gebauer M.A., RPA
 State Cultural Resources Specialist/ Archaeologist
 Oregon NRCS | Ecological Sciences



U.S. DEPARTMENT OF AGRICULTURE

Natural Resources Conservation Service
 1945 Main St. Klamath Falls, OR 97601
 Suite 200
 p: (541) 887-3511 | c: (541) 591-7418

From: Megan Peninger <megan.peninger@redmondoregon.gov>
Sent: Wednesday, May 21, 2025 2:04 PM
To: Gebauer, Rachel - FPAC-NRCS, OR <rachel.gebauer@usda.gov>
Cc: Diridoni, Gary - FPAC-NRCS, OR <gary.diridoni@usda.gov>; Shane Phelps <sphelps@parametrix.com>
Subject: Re: COID Pilot Butte Canal Modernization Project Agreement

Hi Rachel,

I'm leaving for vacation today & will be back on the 28th. I'll be able to take a deeper dive into this request when I return.

I'll touch base with you when I return .

Thank you,

-M

Megan Peninger | City of Redmond
 Associate Planner
 Historic Landmarks Commission Staff Liaison

phone 541.923.7762
mobile 541.233.9596
email megan.peninger@redmondoregon.gov

411 SW 9th Street Redmond, Oregon 97756

From: Gebauer, Rachel - FPAC-NRCS, OR <rachel.gebauer@usda.gov>
Sent: Wednesday, May 21, 2025 2:00:23 PM
To: Megan Peninger <megan.peninger@redmondoregon.gov>
Cc: Diridoni, Gary - FPAC-NRCS, OR <gary.diridoni@usda.gov>; Shane Phelps <sphelps@parametrix.com>
Subject: COID Pilot Butte Canal Modernization Project Agreement

[EXTERNAL]: This email originated from outside of the city. Do not click links or open attachments unless you

Dear Ms. Peninger,

Following up on our email of April 25, NRCS is interested in obtaining input from the Historic Landmarks Commission on the plans by the Central Oregon Irrigation District to modernize the historic Pilot Butte Canal. The Natural Resources Conservation Service is working with COID for a modernization project to pipe the Pilot Butte Canal. There is an existing PA between the Irrigation District, the State Historic Preservation Office, Bureau of Reclamation and NRCS to mitigate the effects of modernization on the historic canal.

An amendment to the existing PA is being drafted to include further mitigation for the adverse effects to the open canal within the City of Redmond Historic District. Stipulation A (pg. 14 of the attached PA document) includes the development of a pocket park within the Pilot Butte Canal right-of-way to highlight the history and significance of the PB Canal. Discussions have taken place between Craig Horrell of COID and the City Parks District about this proposal.

Attached are a letter with specific details of the proposed amendment, as well as a draft copy of the amended PA for your review.

NRCS, and the signatories to this agreement are looking forward to comments from the City of Redmond HLC, and we would be interested in including the City as a concurring party to this agreement.

Please feel free to contact me with any questions.

Sincerely,

Rachel

Rachel L.S. Gebauer M.A., RPA
 State Cultural Resources Specialist/ Archaeologist
 Oregon NRCS | Ecological Sciences



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Agreement No. R19MA13745

(BFO-U19-05.19.001)

Amended September 9, 2025

AMENDMENT TO

PROGRAMMATIC AGREEMENT NO. R19MA13745 AMONG THE

U.S. DEPARTMENT OF THE INTERIOR, BUREAU OF RECLAMATION,

COLUMBIA-CASCADES AREA OFFICE, THE NATURAL RESOURCES

CONSERVATION SERVICE, THE OREGON STATE HISTORIC PRESERVATION

OFFICE, AND THE CENTRAL OREGON IRRIGATION DISTRICT

REGARDING

COMPLIANCE WITH SECTION 106 OF THE NATIONAL HISTORIC

PRESERVATION ACT FOR CERTAIN ACTIVITIES INVOLVING THE CENTRAL

OREGON PROJECT SYSTEM OF CANALS, LATERALS, AND ASSOCIATED

IRRIGATION FEATURES AND FACILITIES

WHEREAS, the Agreement was executed on July 2019 by U.S. Department of the Interior, Bureau of Reclamation (Reclamation), the Oregon State Historic Preservation Office (SHPO), and the Central Oregon Irrigation District (COID);

WHEREAS, the Natural Resources Conservation Service (NRCS), under provisions of Section VII(A) of Agreement, signed the Agreement on March 7, 2023;

WHEREAS, Reclamation, SHPO, COID and NRCS agree to amend preservation commitments established in the Agreement in order to be consistent with modern standards, reduce water loss and improve the efficiency of irrigation facilities;

WHEREAS, NRCS will send a copy of this executed amendment to the ACHP;

NOW, THEREFORE, in accordance with Section VII(B) of the Agreement, Reclamation, SHPO, COID and NRCS agree to amend the Agreement as follows:

WHEREAS, the Central Oregon Irrigation District (COID) operates and maintains irrigation systems, including the Pilot Butte and Central Oregon canals and those canals, dams, laterals, sub-laterals, ditches, and their associated features and facilities, and also known as the Central Oregon Project (Map - Appendix A), as defined in the Multiple Property Document, *Carey and Reclamation Act Irrigation Projects in Oregon, 1901-1978* (MPD), accepted by the National Park Service on July 10, 2017 (NRIS# MC100001302); and

WHEREAS, U.S. Bureau of Reclamation (Reclamation) determined, and the Oregon State Historic Preservation Officer (SHPO) concurred, that the Central Oregon Project is eligible for listing in the National Register of Historic Places (National Register) as a historic district, subsequently affirmed by the National Park Service through acceptance of the MPD; and

WHEREAS, Reclamation, the SHPO, and COID executed a Memorandum of Agreement #R14MA13733 in 2014 (2014 MOA – see Appendix E) pursuant to 36 CFR § 800.6. Execution of this Programmatic Agreement (PA) fulfills Stipulation 3.B.1 of the 2014 MOA. Upon completion of its implementing actions in Section 3, the 2014 MOA will programmatically mitigate adverse effects to contributing features and structures in the Central Oregon Project which are not individually eligible for listing to the National Register; and

WHEREAS, COID pursued completion of the implementing actions of the 2014 MOA in good faith and has completed 1) an inventory, reconnaissance level survey (RLS), with a GIS-based database identifying the contributing and non-contributing features of the COID historic system and other relevant data; and 2) a National Register Multiple Property Document for the Carey and Reclamation Acts Irrigation projects in Oregon, 1901-1978 (MPD). COID committed to interpretation and nomination of segments of the Pilot Butte Canal and the Central Oregon Canal to the National Register. These segments are identified as the Pilot Butte Canal: Downtown Redmond Segment Historic District and Central Oregon Canal Historic District: Ward Road - Gosney Road Segment; and

WHEREAS, Reclamation, Natural Resources Conservation Service (NRCS) and other federal agencies may provide federal grant funding or other authorizations to COID for piping, modifications, and system upgrades within the District; and

WHEREAS Reclamation and NRCS, in acknowledgement of its continued responsibility to engage in meaningful consultation with tribes, invited the Confederated Tribes of Warm Springs to be a consulting party to this PA; and

WHEREAS, Reclamation, NRCS, and any other federal agency that may sign this agreement acknowledges its continued responsibility to engage in meaningful consultation with tribes (See 54 USC § 302706, Executive Order 13175 and the November 5, 2009, Presidential Memorandum on Tribal Consultation) throughout the process of carrying out the stipulations of this agreement; and

WHEREAS, Reclamation notified the Advisory Council on Historic Preservation (Council) of its desire to satisfy its Section 106 responsibilities for undertakings that may affect COID in a programmatic manner, and invited the Council's comments and participation in the review of this PA, pursuant to 36 CFR § 800.6(a)(1), and the Council declined to formally participate in development of the PA or to be a signatory; and

WHEREAS, COID and SHPO may address COID's obligations under Oregon Revised Statute 358.653 in a separate programmatic agreement; and

WHEREAS, on December 31, 2020, the US Fish & Wildlife Service finalized and approved the Deschutes Basin Habitat Plan (HCP); and

WHEREAS, the Deschutes Basin HCP includes required mitigation measures, to restore flows and in turn benefit impacted species; and

WHEREAS, NRCS, under provisions of Section VII(A) of this document, signed the Programmatic Agreement on March 7, 2023; and

WHEREAS, the Pilot Butte Canal: Downtown Redmond Segment Historic District was listed in the National Register of Historic Places in 2017 under the Carey and Reclamation Acts Irrigation projects in Oregon, 1901-1978 Multiple Property Document (MPD), and

WHEREAS, as part of this original agreement as adopted in July 2019, the signatories determined to preserve and interpret the historic character of the Pilot Butte Canal: Downtown Redmond Segment Historic District as an element of its ongoing irrigation operations, and

WHEREAS, in order to provide consistent and efficient service to its irrigation customers, meet the standards established by federal agencies and funding sources, improve water delivery and reduce loss through seepage and evaporation, NRCS in coordination with COID, has now determined that its preferred alternative for the Pilot Butte Canal: Downtown Redmond Segment Historic District is to pipe that segment within its irrigation system, and

WHEREAS, the Pilot Butte Canal Piping Project with partial funding through the Watershed Protection and Flood Prevention Act of 1954 (Public Law [PL] 83-566, program constitutes a federal undertaking as defined by 36 CFR §800.16(y) and is counter to language of the existing Programmatic Agreement No. R19MA13745, and

WHEREAS, NRCS in coordination with COID determined that the proposed piping of the Pilot Butte Canal: Downtown Redmond Segment Historic District would result in a loss of historic character and integrity to that property and the NRCS and the Oregon SHPO concurred with a Finding of Adverse Effect on XXX-2025, and

WHEREAS, NRCS in coordination with multiple Tribes and Tribal Representatives as suggested by the Oregon Legislative Commission on Indian Services, for which the Pilot Butte Canal: Downtown Redmond Segment Historic District may have religious or cultural significance, and,

WHEREAS, NRCS in coordination with COID has consulted with other interested parties including the City of Redmond, Deschutes County and City of Bend landmark review authorities, the Deschutes County History Museum, RestoreOregon, and other history and preservation-related organizations in the region,

WHEREAS, NRCS acknowledges its continued responsibility to engage in meaningful consultation with tribes throughout the process of carrying out the stipulations of this agreement as applicable, and,

NOW THEREFORE, Reclamation, NRCS, and any other federal agency that may sign this agreement, the SHPO, and COID (Parties) agree that where federal funding, permitting or

authorization of covered undertakings (See Section III (A)(1)) comply with the procedures of this PA, such compliance will satisfy the federal agency's responsibilities under Section 106 of the National Historic Preservation Act, as amended (54 USC § 306108) for addressing the effects of these undertakings on historic properties.

I. PURPOSE AND INTENT

The purpose of this PA is to establish procedures that the Parties will use to fulfill the consultation process described in 36 CFR Part 800 related to the piping, repair, and maintenance of the COID canal system and its related features. This PA:

- establishes procedures to use the MPD to evaluate unevaluated features and segments of the COID canal system regarding their eligibility for listing in the National Register;
- addresses adverse effects to individually eligible irrigation-related, built resources within the COID system, not programmatically mitigated by the MOA that mandated this PA;
- identifies routine and minor COID activities that would have “no effect” or “no adverse effect” to historic properties, and would not require standard review under 36 CFR §§ 800.3-800.6;
- provides procedures to streamline implementation of undertakings related to piping of irrigation canals, laterals, and sub-laterals where archaeological survey resulted in no archaeological materials identified;
- provides a protocol for addressing inadvertent or unanticipated discoveries of archaeological resources including those of religious and cultural significance to Indian Tribes;
- establishes management procedures for National Register-listed segments and elements that the COID committed to preserve.

II. ROLES AND RESPONSIBILITIES

Each agency will be responsible for activities as follows:

- A. The signatory Federal agency who funds, permits or authorizes the covered undertaking will serve as the lead Federal agency as defined under 36 CFR § 800.2. The lead federal agency will be responsible for ensuring the completion of cultural resource documentation and archaeological survey reporting; assembling all submissions to SHPO; and resolving SHPO comments regarding compliance determinations made pursuant to this PA. In the event multiple federal agencies fund a single covered undertaking, the agencies will identify a lead federal agency and notify COID and SHPO.
- B. COID will be responsible for providing annual reporting of activities undertaken by COID where the provisions of this PA are applied. Annual reporting will describe all activities conducted during the reporting period that fall within the categories of activities listed in Procedures (Section III) below, and Appendices B and D. The lead federal

agency will have 15 calendar days from receipt for an internal review of these documents before forwarding to SHPO for review. All documents provided will meet standards established under 36 CFR § 800.11. Electronic correspondence between the lead federal agency and COID is acceptable and encouraged during the internal review.

- C. The lead federal agency will be the point of contact for any inadvertent or unanticipated cultural resources, and will consult with the SHPO, COID, and other consulting parties consistent with Section III.C and Appendix D.
- D. Within 60 days of signing this PA, each signatory and any other consulting party will designate a primary point of contact for carrying out this PA, and provide contact information for that individual to Reclamation. If more than one person is designated as a primary contact, the party will also indicate the responsibilities of each such person for carrying out this PA. A list of primary contacts is provided as Appendix C and will be updated annually, as needed.
- E. All cultural resources technical activities conducted pursuant to this PA will be carried out by, or under the direct supervision of, persons meeting the relevant Secretary of the Interior's Professional Qualification Standards (36 CFR Part 61, Appendix A).

III. PROCEDURES

A. APPLICABILITY

1. **Covered undertakings.** These procedures apply to COID projects or activities
Covered undertakings also include:
 - a) exempt activities with no potential to cause adverse effects to historic resources, listed in Appendix B;
 - b) activities involving the inadvertent discovery of cultural resources (Section III.C and Appendix C); and
2. **Covered undertakings do not require further consultation.** Upon completion of the implementing actions of the 2014 MOA, adverse effects resulting from conversion of open irrigation conveyance systems to subterranean pipes will be fully mitigated and the lead agency may carry out, authorize, or fund these undertakings without further consultation with the SHPO.
3. **Undertakings not covered by this PA** will include:
 - a) Those that affect properties that are individually listed, or are determined to be individually eligible for listing in the National Register (Section III.B.2); and
 - b) Those where a cultural resource survey under Section III.C determines the undertaking may impact archaeological resources and that those impacts cannot be avoided

- c) Historic properties not related to the Central Oregon Project that may be affected by an undertaking. Effects to such properties are not covered by this agreement.
- 4. Unless otherwise noted in this agreement, the signatories will use the procedures identified below in place of those identified at 36 CFR §§ 800.3 - 800.13.

B. PROCEDURES: BUILT ENVIRONMENT HISTORIC PROPERTIES

1. The parties will use the stepped processes in this section in lieu of the process at 36 CFR § 800.4-800.6 for covered undertakings with respect to impacts on built environment historic properties, unless the activity does not require further review under Appendix B of this agreement, or unless the activity is subject to Section III.D of this agreement.
2. **Built Environment Evaluation Standards.** The Parties will use the MPD and RLS to identify individually eligible features and segments of the canal system to be managed under this PA and any subsequent documents created as part of the process addressing adverse effects of future piping projects.
3. **Built Environment Surveys and Amendments.** COID or the lead federal agency will amend the RLS, as necessary, using the evaluation standards described in the MPD, to evaluate the eligibility of any previously unevaluated elements or segments that are subject to an undertaking. The survey amendments will include all categories of information collected for the original RLS, including, but not limited to: location/address; GIS data; photograph; year built/alterd; construction materials; structure type/style; original use; specific notes/comments; evaluation conclusion or National Register status (non- contributing, contributing, or individually eligible); and date of survey amendment. If performed by COID, COID will notify the lead federal agency of the RLS amendment and any conclusions in writing. Within 15 days of receipt of notification, the lead federal agency will use the MPD to accept or revise the conclusions of the amendment regarding National Register status.
4. **Public Comment and SHPO Review.** If the lead federal agency determines that no individually eligible segments are within the Area of Potential Effect for the undertaking, COID will provide the public 30 days to comment. COID will then forward all comments received during the comment period to SHPO and the lead federal agency. SHPO will review the evaluation and received comments and provide any comments it may have to the lead federal agency within 30 days of receipt. The lead federal agency will consider and address any comments SHPO may provide within 30 days of receipt. If the lead federal agency receives no comment from SHPO, they will make the Determination of Eligibility and the project may proceed.
5. **Amendment Reporting and Eligibility Determinations.** If no features or elements are individually eligible, COID will forward the amended RLS data to the lead federal

agency who will submit the data to SHPO for inclusion in the Oregon Historic Sites Database. Upon submittal to the SHPO of these data, COID may proceed with the covered undertaking without further consultation. A summary of survey amendments and eligibility determinations will be provided to the SHPO as part of the annual report (See Part IV (B)).

6. **Consultation on Individually Eligible Features or Segments.** If the lead federal agency determines a feature or segment is individually eligible, the lead federal agency will determine whether the undertaking will adversely affect the resource and, if necessary, consult with SHPO using the procedures in 36 CFR § 800.6.

C. PROCEDURES: ARCHAEOLOGICAL HISTORIC PROPERTIES

1. The parties will use the stepped processes in this section in lieu of the process at 36 CFR §§ 800.4-800.6 for covered undertakings with respect to impacts on archaeological historic properties, unless the activity does not require review under Section III.A of this agreement, or the activity is subject to Section III.D of this agreement.
2. **Inadvertent Discoveries of Archaeological Resources.** If there are inadvertent or unanticipated discoveries of archaeological resources during implementation of any undertakings covered under this PA, the lead federal agency and COID will implement the inadvertent discovery plan (Appendix D) and consult with the SHPO to develop a plan for the treatment of the property.
3. **Requirement for Cultural Resource Surveys.** For any undertaking involving ground-disturbing activities that may affect previously undisturbed surface or subsurface soils, including previously mitigated and exempt undertakings, COID will conduct a cultural resources survey to identify the potential for archaeological resources within the APE.
 - a) “Previously undisturbed soils” are considered any surface or subsurface area(s) outside the width and depth of the cross sections, or prisms, of the canals, laterals, sub-laterals, and ditches that comprise the Central Oregon Project, inclusive of the berms and embankments created by their construction, which often consist of flanking ditch rider roads, and which may have been deposited on undisturbed soils.
 - b) “Ground-disturbing activities” are considered any activity that involves the movement or removal of surface soil, or excavation of soils for an undertaking, including but not limited to digging, drilling, and grading, and the activities and staging of heavy equipment.
4. **Cultural Resource Surveys, Standards.** Cultural resource surveys and reports will address cultural resources including those of religious or cultural importance to

Indian tribes, as ascertained through tribal consultation. All cultural resources surveys will meet requirements of the most recent Guidelines for Conducting Field Archaeology in Oregon, and be carried out by a qualified archaeologist, as defined by the Secretary of the Interior's Professional Qualification Standards (36 CFR Part 61, Appendix A).

5. **Notice of No Archaeological Resources Detected.** If the cultural resources survey does not identify archaeological resources within the area of potential effect, COID will notify the lead federal agency in writing that no archaeological resources were detected and include a copy of the cultural resource survey report. For covered undertakings, this document may be combined with a finding of no adverse effect to historic properties determination. The lead federal agency has 15 days from receipt to review and accept the report. The lead federal agency will then provide a copy to SHPO with the annual report, and COID may proceed with the undertaking.
6. **Consultation on Archaeological Resources identified during survey.** If archaeological resources (including properties of traditional religious and cultural importance to an Indian tribe, per 36 CFR § 800.16(l)(1)) are found within the area of potential effects, COID will provide the lead federal agency a copy of the cultural resources survey, and the lead federal agency will initiate consultation with the SHPO and appropriate Tribes using the Section 106 process defined at 36 CFR §§ 800.2-800.13. Consultation on archaeological resources may be combined with any consultation regarding built environment historic properties required by this agreement.
7. **Adverse Effects.** Adverse effects to eligible archaeological sites must be resolved according to the provisions of 36 CFR § 800.6. Mitigation measures will be determined through consultation with the SHPO and other appropriate parties.

D. MANAGEMENT OF RESOURCES

The listed historic properties COID committed to preserve will be maintained such that the historic integrity of and identification of the historic property as representative of an irrigation conveyance system will not be adversely affected, and in accordance with the Secretary of the Interior's Standards for the Treatment of Historic Properties (See 36 CFR Part 68).

1. The historic character will be retained and preserved. The replacement of intact or repairable historic materials or alteration of features, spaces and spatial relationships that characterize a property will be avoided.

2. Each property will be recognized as a physical record of its time, place and use. Work needed to stabilize, consolidate and conserve existing historic materials and features will be physically and visually compatible, identifiable upon close inspection and properly documented for future research.
3. Changes to a property that have acquired historic significance in their own right will be retained and preserved. If an undertaking will result in an adverse effect to listed properties, COID will resolve the adverse effect according to the provisions of 36 CFR §800.6. Mitigation measures will be determined through consultation with SHPO and other appropriate parties and incorporated into this agreement through the amendment process outlined in Section VII.
4. Distinctive materials, features, finishes and construction techniques or examples of craftsmanship that characterize a property will be preserved. If an undertaking will result in an adverse effect to listed properties, COID will resolve the adverse effect according to the provisions of 36 CFR §800.6. Mitigation measures will be determined through consultation with SHPO and other appropriate parties and incorporated into this agreement through the amendment process outlined in Section VII.
5. The existing condition of historic features will be evaluated to determine the appropriate level of intervention needed. Where the severity of deterioration requires repair or limited replacement of a distinctive feature, the new material will match the old in composition, design, color and texture.

IV. REPORTING

- A. **Documentation Requirements.** Documents prepared in support of this agreement will satisfy those standards identified in 36 CFR § 800.11, the most recent SHPO Built Resources Survey Guidelines, and State of Oregon Guidelines for Reporting on Archaeological Investigations, unless otherwise defined in this document. Submission to SHPO will be made through the most current SHPO submission process.
- B. **Annual Report.** The annual report will include the following:
 1. A summary of all activities taken to fulfill the terms of this PA during the previous year, any problems encountered in fulfilling its terms, and suggestions for amendments to the PA.
 2. A list of historic properties that were affected by activities completed under the PA during the previous reporting period, including the type and extent of historic property documentation conducted related to the covered undertakings, any determinations regarding the individual eligibility of a feature or segment (Section III.B), any unanticipated discoveries which occurred (Section III.C[2]), any emergency situations (Section III.D), and negative archaeological survey data

(Section III.C[5]).

3. A summary of exempt activities that occurred during the PA reporting period. COID will document each Exempt Activity with a spreadsheet, that describes the Exempt Activity, its location, and start date, end date or projected end date. The descriptions will indicate which Exempt Activity category applies to the action, as per Appendix B. Updates to the RLS where upgrades or system modifications have occurred during the reporting year will be completed, and updated data will be provided.
4. Work proposed for the upcoming reporting period that is subject to this PA.
5. Updates to points of contact (Appendix C), as needed.

Timing and Review of Annual Report. COID will prepare and submit an annual report to all lead federal agencies responsible for undertakings that year. It will be reviewed and signed by all lead federal agencies, and then submitted to SHPO for review and signature. SHPO will provide a fully signed copy to all relevant signatories. The first annual report will be issued on November 15, 2019, and annually thereafter. Each annual report will be submitted to the relevant lead federal agency for transmittal to SHPO. A copy of each annual report will also be provided to any other signatories of the PA. The lead federal agency or SHPO will raise any concerns they may have regarding the annual report by close of business 30 days after submitted. No response by the lead federal agency or SHPO within 30 days is considered approval of the report.

- C. **Request for Project File.** The SHPO may request project files for any activity carried out pursuant to this PA. COID and relevant lead federal agencies will cooperate with the SHPO to provide the documentation and review project files for an undertaking.

V. DISPUTE RESOLUTION

- A. Should any signatory to this PA object in writing at any time to any activities proposed pursuant to the terms of this PA, the lead federal agencies will consult with the objecting party and the SHPO to resolve the objection. If, after 30 days from receiving written notification, the lead federal agency determines that the objection cannot be resolved, they will:
 1. Forward all documentation relevant to the dispute, including the lead federal agency's proposed resolution, to the Council. The Council will provide the lead federal agency with its advice on the resolution of the objection within 30 calendar days of receiving adequate documentation. Prior to reaching a final decision on the dispute, the lead federal agency will prepare a written response that takes into account any timely advice or comments regarding the dispute from the Council, signatories, and concurring parties, and provide them with a copy of this written response within 30 days of receipt of Council comments. The lead federal agency will then proceed according to its final decision.

2. If the Council does not provide its advice regarding the dispute within 30 calendar days, the lead federal agency will, from the expiration of the Council's comment period, have 30 days within which to make a final decision on the dispute, and will proceed accordingly. Prior to reaching such final decision, the lead federal agency will prepare a written response that takes into account any timely comments regarding the dispute from the signatories and concurring parties to the PA, and provide them and the Council with a copy of such written response.
- B. Parties' responsibilities to carry out all other actions under this PA that are not the subject of an ongoing dispute remain unchanged.
- C. All timelines in this section can be modified at the mutual agreement of the relevant signatories.

VI. DURATION

This PA as amended will become effective on the date of the initial submission to Council, and will remain in effect for a period of ten years unless extended pursuant to Section VI.B, below, or terminated in accordance with Section VII.

- A. As needed, the signatories will review this agreement five years after this agreement becomes effective and every five years thereafter and amend the document as necessary, upon agreement of the signatories. The agreement may be extended for an additional ten years (with an additional five-year review), subject to agreement of all signatories. All 5-year and 10-year reviews should include representatives of Reclamation, NRCS, other federal agencies that have signed this agreement, SHPO, and COID.
- B. All timelines in this section can be modified at the mutual agreement of the relevant signatories.

VII. AMENDMENT, NON-COMPLIANCE, AND TERMINATION

- A. **Additional Federal Agencies.** Additional federal agencies that may carry-out, authorize or fund the kinds of covered undertakings described in this agreement may join the agreement by providing a signed signature page to the other signatories at least 90 days prior to an undertaking. Any agencies requesting to be added to this agreement must meet all requirements and obligations within this agreement, including professional qualifications.
- B. **Amendment.** Any signatory may request amendment of this PA to the other signatories and consulting parties in writing. The lead federal agency will consult with the signatories for up to thirty (30) calendar days concerning the necessity and appropriateness of the proposed amendment. Any signatory or consulting party may request the involvement of the Council during the amendment process. At the end of the consultation period the lead federal agency will provide an amended document for signature by the signatories or a written statement describing why the proposed lead

federal agency chose not to pursue an amendment to this document. Amendments will be effective on the date a copy of the document signed by all of the signatories is filed with the Council. Any Signatory to this PA may propose that any appendix be modified or removed at any time upon written agreement of the Signatories to this PA. Amendments to Appendices may be made, if agreed to by all signatories, without consulting the Council.

- C. **Termination.** If any signatory to this PA determines that its terms will not or cannot be carried out, that party will immediately provide written notification to the lead federal agency and consult with the other signatories to attempt to develop an amendment per Stipulation VII.B, above. If an amendment cannot be reached within thirty (30) days (or another time period agreed to by all signatories) from the notice opening consultation under this provision, any signatory may terminate the PA upon written notification to the other signatories.

Once the PA is terminated, and prior to work continuing on the undertaking, Reclamation, any additional federal agencies that may sign onto this agreement, COID, and SHPO must either (a) execute another PA pursuant to 36 CFR § 800.6 or (b) request, take into account, and respond to the comments of the Council under 36 CFR § 800.7, or (c) the lead federal agency will comply with standard consultation as defined in 36 CFR § 800.3-13. The lead federal agency will notify the signatories as to the course of action it will pursue.

- D. **Replacement.** This agreement may be replaced by another subsequent agreement that explicitly terminates or supersedes this agreement, or by the lead federal agency's implementation of Alternate Procedures, pursuant to 36 CFR § 800.14(a), or of supplanting regulations.
- E. All timelines in this section can be modified at the mutual agreement of the relevant signatories.

VIII. GENERAL PROVISIONS

- A. This agreement is neither a fiscal nor a funds obligating document. Any endeavor or transfer of anything of value involving reimbursement or contribution of funds between the parties of this agreement will be handled in accordance with applicable laws, regulations, and procedures including those for government procurement and printing. Such endeavors will be outlined in separate agreements that will be made in writing by representatives of the parties and will be independently authorized by appropriate statutory authority. This PA does not provide such authority.
- B. Nothing herein will be construed to obligate the lead federal agency to expend or involve the United States of America in any contract or other obligation for the future payment of money in excess of the appropriations authorized by law and administratively allocated for the purposes and projects contemplated hereunder.

- C. No member of or delegate to Congress, or resident Commissioner, will be admitted to any share or part of the PA or to any benefit that may arise out of it.
- D. This agreement does not alter, amend, repeal, interpret or modify tribal sovereignty, any treaty rights, or other rights of an Indian tribe. This PA also does not alter the existing government-to-government relationship between the federal government and Indian tribes.

IX. EXECUTION OF THIS AMENDED PROGRAMMATIC AGREEMENT IN COUNTERPARTS

This Amendment may be executed in counterparts, with a separate page for each signatory. Reclamation or NRCS will ensure that each party is provided with a copy of the fully executed PA.

EXECUTION of this PA by Reclamation, NRCS, the SHPO, COID and any concurring parties and the implementation of its terms, is evidence that Reclamation and NRCS have taken into account the effects of these undertakings on historic properties and afforded the Advisory Council on Historic Preservation an opportunity to comment.

X. MITIGATION OF ADVERSE EFFECTS FOR PILOT BUTTE CANAL: DOWNTOWN REDMOND SEGMENT HISTORIC DISTRICT

- A. In coordination with the City of Redmond Parks District, COID will support the design and development of a pocket park or linear corridor within its right-of-way that highlights a section of the Pilot Butte Canal. The preferred location will be within the Pilot Butte Canal: Downtown Redmond Segment Historic District, subject to agreement from the City of Redmond. The park will include landscape amenities that help to document the scale and design of the Pilot Butte Canal, its history and significance, and will include no less than two (2) high-quality interpretive panels of minimum 24x36" size, constructed of high-quality durable material suitable for outdoor display. Panel content will be prepared by person(s) meeting the relevant Secretary of the Interior's Professional Qualification Standards (36 CFR Part 61, Appendix A) and include text and graphics on the construction, operation and significant impacts of the canal in the Bend/Redmond region. The panel will remain in a publicly accessible location for a minimum of ten (10) years from the date of installation.
- B. COID will retain salvaged elements from the Pilot Butte Canal Piping Project for use in the design of Stipulation A as possible. Such elements might include gate valves, chute structures, fish screens, or other built features that can be incorporated as interpretative or artistic elements within the park. If no salvageable materials are identified or considered appropriate for interpretative use, COID and NRCS will develop alternative mitigation of comparable scale in consultation with SHPO and other signatories.

- C. COID will support the production of a video documentary on the history of the irrigation district, focused on the Pilot Butte Canal. This professionally scripted and produced work will include historic and current images, interviews with appropriate individuals as can be identified, and other pertinent materials to create a balanced and accessible history of the role and impact of irrigation in the history of Deschutes County, with emphasis on the Bend-Redmond area. The production will have a total runtime of not less than ten (10) minutes in length. The completed work will be made available to the public via multiple platforms, including COID's website (for a minimum of five (5) years), YouTube, and other platforms (OPB, local media, etc.) as can be identified.
- D. COID will support the development of two entries that document the history of irrigation in Central Oregon and its impact on the development of that region for inclusion in the Oregon Encyclopedia (www.oregonencyclopedia.org). Entries will be professionally researched, written to OE standards, and be prepared by person(s) meeting the relevant Secretary of the Interior's Professional Qualification Standards (36 CFR Part 61, Appendix A). One entry will include a narrative to serve as an overview/cover entry for Carey Act projects in Central Oregon and the role of the Bureau of Reclamation in the agricultural development of the Bend-Redmond area. A second entry will focus specifically on COID's history and development, including the Pilot Butte Canal. This is envisioned as a framework for future entries on the COID system elements as well as for other irrigation districts in the region. Final entries, subject to OE approval, will be uploaded to the OE website and maintained for free public access. Should OE decline to publish entries as proposed, COID and NRCS will propose alternative mitigation measures of comparable scale.
- E. COID will support the development of a professionally researched and designed publication on the history of irrigation efforts in the Central Oregon region. This illustrated work will be prepared by person(s) meeting the relevant Secretary of the Interior's Professional Qualification Standards (36 CFR Part 61, Appendix A) and will draw on COID's and Reclamation's photo and map archives, along with other materials, to document the history and implementation of the Carey Act in Deschutes and Jefferson counties with a focus on COID's own history and development over the past 125 years. The finished work, with an estimated length of 100-125 pages, will include a narrative history of the COID system, a timeline and details of its construction and operation as well narrative on the district's role in the development of Deschutes and Jefferson counties. The publication will be amply illustrated with the intent to provide a focused history of COID in an academically sound and accessible narrative geared toward an interested general public to inform future research and study.

COID will distribute gratis copies of the completed work to area libraries, school districts and historic societies in Deschutes and Jefferson counties, with additional copies to the Oregon Historical Society, the University of Oregon and Oregon State University and other regional repositories to assure widespread public availability.

- F. COID and NRCS shall ensure that all work in completing the above measures are carried out by or occur under the supervision of individuals who meet the appropriate Secretary of the Interior's Professional Qualifications Standards (36 CFR §61).
- G. COID and NRCS will assure that the Downtown Redmond Segment is formally delisted from the National Register of Historic Places following its demolition. COID will provide photography and other information to Oregon SHPO so that it may prepare the required documentation for submittal to the National Park Service.

XI. REVIEW OF MITIGATION MATERIALS

- A. For Mitigation A, COID and NRCS will, in coordination with the City of Redmond, develop a project plan, initial concepts plan, draft and final layout so as to provide a minimum of three (3) progress review opportunities, each lasting a minimum of thirty (30) calendar days, for comment on the completeness of the mitigation materials before final submission. Comments provided shall be taken into consideration within the limits of the project as described in the stipulation.
- B. For Mitigation C, COID and NRCS will develop a project plan and rough script or outline and provide a minimum of two (2) progress review opportunities, each lasting a minimum of thirty (30) calendar days, for comment on the completeness of the mitigation materials before final submission. Comments provided shall be taken into consideration within the limits of the project as described in the stipulation.
- C. For Mitigation E, COID and NRCS will develop a project outline, proposed table of contents layout/design scheme and provide a minimum of two (2) progress review opportunities, each lasting a minimum of thirty (30) calendar days, for comment on the completeness of the mitigation materials before final submission. Comments provided shall be taken into consideration within the limits of the project as described in the stipulation.
- D. For all remaining Mitigation COID and NRCS shall provide the signatories with at least one opportunity lasting a minimum of thirty (30) calendar days to comment on the completeness of the mitigation materials specified in the stipulations described in this amendment before final submission. Comments provided shall be taken into consideration within the limits of the project as described in the stipulations.

Any disagreements regarding the implementation or design of the mitigation efforts are subject to Section V, Dispute Resolution process, as outlined in the Agreement.

XII. COMPLETION

COID and NRCS will complete all mitigation as outlined in Section 1, A-H prior to the expiration of the programmatic agreement. If additional time is required, the agreement may be extended as per Section VI, Duration, as outlined in the Agreement.

AMENDMENT TO
PROGRAMMATIC AGREEMENT NO. R19MA13745 AMONG THE
U.S. DEPARTMENT OF THE INTERIOR, BUREAU OF RECLAMATION,
COLUMBIA-CASCADES AREA OFFICE, THE NATURAL RESOURCES
CONSERVATION SERVICE, THE OREGON STATE HISTORIC PRESERVATION
OFFICE, AND THE CENTRAL OREGON IRRIGATION DISTRICT
REGARDING
COMPLIANCE WITH SECTION 106 OF THE NATIONAL HISTORIC
PRESERVATION ACT FOR CERTAIN ACTIVITIES INVOLVING THE CENTRAL
OREGON PROJECT SYSTEM OF CANALS, LATERALS, AND ASSOCIATED
IRRIGATION FEATURES AND FACILITIES

Signatory:

By _____ Date _____

Wylie (Chris) Duke, Area Manager, U.S. Department of the Interior, Bureau of Reclamation

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OREGON PROJECT SYSTEM OF CANALS, LATERALS, AND ASSOCIATED
IRRIGATION FEATURES AND FACILITIES

Signatory:

By _____ Date _____

Greg Becker, State Conservationist, U.S. Department of Agriculture, Natural Resources
Conservation Service

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U.S. DEPARTMENT OF THE INTERIOR, BUREAU OF RECLAMATION,
COLUMBIA-CASCADES AREA OFFICE, THE NATURAL RESOURCES
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IRRIGATION FEATURES AND FACILITIES

Signatory:

By _____ Date _____

Ian P. Johnson, Deputy Director State Historic Preservation Officer, Oregon State Historic
Preservation Office

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U.S. DEPARTMENT OF THE INTERIOR, BUREAU OF RECLAMATION,
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OREGON PROJECT SYSTEM OF CANALS, LATERALS, AND ASSOCIATED
IRRIGATION FEATURES AND FACILITIES

Signatory:

By _____ Date _____

Craig Horrell, Managing Director, Central Oregon Irrigation District

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Concurring Party:

By _____ Date _____

Keith Witcosky, City Manager, City of Redmond