Appendix C Figures – Other
J.C. Boyle Reservoir
Copco Lake
Iron Gate Reservoir
Co p c o  R o a d
K e n o  W a r d e n  R o a d
TopsyGrade Road
O r e g o n
C a l i f o r n i a
J.C. Boyle Dam
Copco No. 1 Dam
Copco No. 2 Dam
Iron Gate Dam
Iron Gate Reservoir
Copco Lake

FIGURE 1.2-2
Project Vicinity and Access

DATA SOURCE
NAIP, 2014; USGS (NED), 2015
MAP PREPARED BY:
AECOM Alex Remar, 9/29/2017
PROJECTION
NAD 1983 HARN
StatePlane California I
FIPS 0401 Feet

Access Route
Stream
--- State Boundary
--- County Boundary
FIGURE 2.2-1
Copco No. 1 and Copco No. 2 Dams Existing Features
Overview Sheet

DATA SOURCE
NAIP, 2014; USGS (NED), 2015

MAP PREPARED BY:
AECOM Alex Remar, 3/30/2018

PROJECTION
NAD 1983 HARN
StatePlane California I
FIPS 0401 Feet

Klamath River Renewal Corporation
Klamath River Renewal Project

Copco No. 1 and Copco No. 2 Dams
Existing Features Overview Sheet
FIGURE 2.2-1
Copco No. 1 and Copco No. 2 Dams Existing Features
Sheet 2 of 2
Iron Gate Dam
Iron Gate Reservoir
Powerhouse and Substation
Iron Gate Fish Hatchery
Lakeview Road
Copco Road
Powerhouse and Substation
Iron Gate Reservoir
Iron Gate Dam
Iron Gate Dam Existing Features
Overview Sheet

Klamath River Renewal Corporation
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DATA SOURCE
NAIP, 2014; USGS (NED), 2015

MAP PREPARED BY:
AECOM Alex Remar,
3/30/2018

PROJECTION
NAD 1983 HARN
StatePlane California I
FIPS 0401 Feet

FIGURE 2.4-1
Iron Gate Dam Existing Features
Overview Sheet
FIGURE 5.1-1
Project Limits of Work and Access
Overview Sheet
FIGURE 5.1-1
Project Limits of Work and Access
Sheet 1 of 23

Note: Limits of work features that exist as small islands and/or narrow linear corridors are associated with project transmission line removal.
FIGURE 5.1-1
Project Limits of Work and Access
Sheet 2 of 23

Note: Limits of work features that exist as small islands and/or narrow linear corridors are associated with project transmission line removal.
FIGURE 5.1-1
Project Limits of Work and Access
Sheet 3 of 23

J.C. Boyle Power Canal Removal

OR66 Construction Access Intersection Improvements

J.C. Boyle Disposal Site

J.C. Boyle Dam Removal

J.C. Boyle Warehouse and Storage Shed Removal

Transmission Line Removal (Typ)

J.C. Boyle Pier Removal

Topsy Campground Pier Removal

Topsy Campground Boat Launch Removal

J.C. Boyle North Residence Removal

J.C. Boyle South Residence Removal

Topsy Grade Road Culvert Rehabilitation

Note: Limits of work features that exist as small islands and/or narrow linear corridors are associated with project transmission line removal.

Map Location

DATA SOURCE
NAIP, 2014; USGS (NED), 2015

MAP PREPARED BY:
AECOM Alex Remar, 5/4/2018

PROJECTION
NAD 1983 HARN
StatePlane California I
FIPS 0401 Feet

J.C. Boyle Reservoir

Iron Gate Reservoir

Klamath River

J.C. Boyle

Copco Lake

Klamath River Renewal Corporation
Klamath River Renewal Project

Klamath River Streams

Access Route

Other Sheet Extents in Figure

Limits of Work

0 Feet
1,000 Feet

3,000 Feet

5,000 Feet

7,000 Feet

9,000 Feet

11,000 Feet

13,000 Feet

15,000 Feet

17,000 Feet

19,000 Feet

21,000 Feet

23,000 Feet

25,000 Feet

27,000 Feet

29,000 Feet
FIGURE 5.1-1
Project Limits of Work and Access
Sheet 4 of 23

Note: Limits of work features that exist as small islands and/or narrow linear corridors are associated with project transmission line removal.
Note: Limits of work features that exist as small islands and/or narrow linear corridors are associated with project transmission line removal.
Temporary Access Route (To be restored)

J.C Boyle Powerhouse and Substation Removal

Note: Limits of work features that exist as small islands and/or narrow linear corridors are associated with project transmission line removal.
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FIGURE 5.1-1
Project Limits of Work and Access
Sheet 12 of 23

Note: Limits of work features that exist as small islands and/or narrow linear corridors are associated with project transmission line removal.
FIGURE 5.1-1
Project Limits of Work and Access
Sheet 13 of 23

Note: Limits of work features that exist as small islands and/or narrow linear corridors are associated with project transmission line removal.

- Access Route
- Other Sheet Extents in Figure
- Limits of Work

- Transmission Line Removal (Typ)
- Copco Cove Recreation Facility Removal
- Temporary Barge Access Improvement
- Copco No. 1 North Residence Removal
- Access Route Removal and Restoration

DATA SOURCE
NAIP, 2014; USGS (NED), 2015

MAP PREPARED BY:
AECOM Alex Remar, 5/4/2018

PROJECTION
NAD 1983 HARN
StatePlane California I
FIPS 0401 Feet

Klamath River Renewal Corporation
Klamath River Renewal Project

Access Route
Other Sheet Extents in Figure
Limits of Work

Transmission Line Removal (Typ)
Copco Cove Recreation Facility Removal
Temporary Barge Access Improvement
Copco No. 1 North Residence Removal
Access Route Removal and Restoration

Note: Limits of work features that exist as small islands and/or narrow linear corridors are associated with project transmission line removal.

DATA SOURCE
NAIP, 2014; USGS (NED), 2015

MAP PREPARED BY:
AECOM Alex Remar, 5/4/2018

PROJECTION
NAD 1983 HARN
StatePlane California I
FIPS 0401 Feet
FIGURE 5.1-1
Project Limits of Work and Access
Sheet 14 of 23

Note: Limits of work features that exist as small islands and/or narrow linear corridors are associated with project transmission line removal.
FIGURE 5.1-1
Project Limits of Work and Access
Sheet 15 of 23

Klamath River Renewal Project

- Fall Creek Diversion Improvements
- Fall Creek Bridge Replacement at Copco Road
- Fall Creek Fish Hatchery Improvements
- Fall Creek Fish Hatchery Settling Pond (Alternative Location)
- Transmission Line Removal (Typ)

Note: Limits of work features that exist as small islands and/or narrow linear corridors are associated with project transmission line removal.
FIGURE 5.1-1  
Project Limits of Work and Access  
Sheet 16 of 23

Note: Limits of work features that exist as small islands and/or narrow linear corridors are associated with project transmission line removal.
Access Route

Transmission Line Removal (Typ)

Wanaka Springs Recreation Facility Removal

Access Route Removal and Restoration

Copco Road

Note: Limits of work features that exist as small islands and/or narrow linear corridors are associated with project transmission line removal.

DATA SOURCE
NAIP, 2014; USGS (NED), 2015

MAP PREPARED BY:
AECOM Alex Remar, 5/4/2018

PROJECTION
NAD 1983 HARN StatePlane California I FIPS 0401 Feet

FIGURE 5.1-1
Project Limits of Work and Access Sheet 17 of 23
FIGURE 5.1-1

Project Limits of Work and Access
Sheet 18 of 23

Note: Limits of work features that exist as small islands and/or narrow linear corridors are associated with project transmission line removal.
FIGURE 5.1-1
Project Limits of Work and Access
Sheet 19 of 23

Note: Limits of work features that exist as small islands and/or narrow linear corridors are associated with project transmission line removal.
Mirror Cove Recreation Facility Removal

Transmission Line Removal (Typ)

Note: Limits of work features that exist as small islands and/or narrow linear corridors are associated with project transmission line removal.
Note: Limits of work features that exist as small islands and/or narrow linear corridors are associated with project transmission line removal.
FIGURE 5.1-1
Project Limits of Work and Access
Sheet 22 of 23

Iron Gate Fish Hatchery Improvements
Iron Gate Spillway Fill
Transmission Line Removal (Typ)
Iron Gate Dam Removal
Iron Gate Powerhouse and Substation Removal
Iron Gate Disposal Site
Iron Gate Dam Removal
Transmission Line Removal (Typ)
Lakeview Road Bridge Replacement
Copco Road

Klamath River
Streams
Other Sheet Extents in Figure
Limits of Work

Note: Limits of work features that exist as small islands and/or narrow linear corridors are associated with project transmission line removal.

DATA SOURCE
NAIP, 2014; USGS (NED), 2015

MAP PREPARED BY:
AECOM Alex Remar, 5/4/2018

PROJECTION
NAD 1983 HARN
StatePlane California I
FIPS 0401 Feet
Note: Limits of work features that exist as small islands and/or narrow linear corridors are associated with project transmission line removal.
FIGURE 5.2-1
J.C. Boyle Dam Removal Features and Limits
Overview Sheet
Note: Limits of work features that exist as small islands and/or narrow linear corridors are associated with project transmission line removal.
Note: Limits of work features that exist as small islands and/or narrow linear corridors are associated with project transmission line removal.
Note: Limits of work features that exist as small islands and/or narrow linear corridors are associated with project transmission line removal.

FIGURE 5.2-1
J.C. Boyle Dam Removal Features and Limits
Sheet 3 of 9
FIGURE 5.2-1
J.C. Boyle Dam Removal Features and Limits
Sheet 4 of 9

Note: Limits of work features that exist as small islands and/or narrow linear corridors are associated with project transmission line removal.
FIGURE 5.2-1
J.C. Boyle Dam Removal Features and Limits
Sheet 5 of 9

Note: Limits of work features that exist as small islands and/or narrow linear corridors are associated with project transmission line removal.
Power Canal

Klamath River

FIGURE 5.2-1
J.C. Boyle Dam Removal Features and Limits
Sheet 6 of 9

Note: Limits of work features that exist as small islands and/or narrow linear corridors are associated with project transmission line removal
Note: Limits of work features that exist as small islands and/or narrow linear corridors are associated with project transmission line removal.
Note: Limits of work features that exist as small islands and/or narrow linear corridors are associated with project transmission line removal.
Removal Features and Limits

- Access Route
- Limits of Work
- Staging Area
- Fill Area
- Cut Area
- Demolition

- Tunnel (Connects to Forebay)
- Temporary Access Routes (To be restored)
- Maintenance Building
- Surge Tank
- Penstocks
- Powerhouse
- Substation

Note: Limits of work features that exist as small islands and/or narrow linear corridors are associated with project transmission line removal.
FIGURE 5.2-9
J.C. Boyle Forebay Spillway Scour Hole Backfill Plan & Sections
FIGURE 5.2-11
J.C. Boyle Forebay Backfill Plan & Sections
FIGURE 5.3-1
Copco No. 1 and Copco No. 2 Dams Removal Features and Limits
Overview Sheet
FIGURE 5.3-1
Copco No. 1 and Copco No. 2 Dams Removal Features and Limits
Sheet 1 of 4

Note: Limits of work features that exist as small islands and/or narrow linear corridors are associated with project transmission line removal.
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Note: Limits of work features that exist as small islands and/or narrow linear corridors are associated with project transmission line removal.
FIGURE 5.5-1
Iron Gate Dam Removal Features and Limits
Overview Sheet

DATA SOURCE
NAIP, 2014; USGS (NED), 2015

MAP PREPARED BY:
AECOM Alex Remar, 5/4/2018

PROJECTION
NAD 1983 HARN
StatePlane California I
FIPS 0401 Feet
FIGURE 5.5-1
Iron Gate Dam Removal Features and Limits
Sheet 2 of 2

Note: Limits of work features that exist as small islands and/or narrow linear corridors are associated with project transmission line removal

- Other Sheet Extents in Figure
  - Removal Features and Limits
  - Access Route
  - Grade Contour
  - Cut Area
  - Staging Area
  - Fill Area
  - Demolition
  - Disposal Site
  - Limits of Work

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DATA SOURCE
NAIP, 2014; USGS (NED), 2015

MAP PREPARED BY:
AECOM Alex Remar, 5/4/2018

PROJECTION
NAD 1983 HARN
StatePlane California I FIPS 0401 Feet

Iron Gate Dam
Penstock Intake Structure
Powerhouse
Penstock
Aerator
Disposal Site
Other Sheet Extents in Figure
Removal Features and Limits
Access Route
Grade Contour
Cut Area
Staging Area
Fill Area
Demolition
Disposal Site
Limits of Work

Note: Limits of work features that exist as small islands and/or narrow linear corridors are associated with project transmission line removal.
FIGURE 5.5-5
Iron Gate Spillway Backfill Plan & Sections
FIGURE 7.5-2: ALIGNMENTS FOR KLAMATH RIVER CROSSING CONCEPTUAL ALTERNATIVES

Klamath Dams Removal Project – Yreka Waterline Replacement
September 14, 2017

Notes:
1. Horizontal Datum: NAD 1983 State Plane California I (feet)

Sources:
FIGURE 7.5-3: PROFILES FOR KLAMATH RIVER CROSSING CONCEPTUAL ALTERNATIVES

Klamath Dams Removal Project – Yreka Waterline Replacement
September 14, 2017
FIGURE 7.7-1
Structures in 100-Year Floodplain
Following Dam Removal
Overview Sheet
FIGURE 7.7-1
Structures in 100-Year Floodplain Following Dam Removal
Sheet 1 of 8

Klamath River Renewal Corporation
Klamath River Renewal Project

Note: Parcel boundaries shown in this mapbook are data provided by Siskiyou County, CA, Klamath County, OR, PacifiCorp, and the Bureau of Land Management (BLM). There are inconsistencies among these datasets and between the datasets and LiDAR and aerial imagery. No ground-based parcel surveys have been completed; however, the County parcel data has been geo-rectified to align better with available LiDAR and aerial imagery data. APE and Sub Area 1 locations are based on field survey with GPS, LiDAR, and aerial imagery. Positions of the APE and Sub Area 1 with reference to parcel boundaries may be incorrect on the order of 10 to 50 feet.
FIGURE 7.7-1
Structures in 100-Year Floodplain
Following Dam Removal
Sheet 3 of 8

Note: Parcel boundaries shown in this mapbook are data provided by Siskiyou County, CA; Klamath County, OR; PacifiCorp, and the Bureau of Land Management (BLM). There are inconsistencies among these datasets and between the datasets and LiDAR and aerial imagery. No ground-based parcel surveys have been completed; however, the County parcel data has been geo-rectified to align better with available LiDAR and aerial imagery data. APE and Sub Area 1 locations are based on field survey with GPS, LiDAR, and aerial imagery. Positions of the APE and Sub Area 1 with reference to parcel boundaries may be incorrect on the order of 10 to 50 feet.
FIGURE 7.7-1  Structures in 100-Year Floodplain Following Dam Removal
Sheet 4 of 8

Note: Parcel boundaries shown in this mapbook are data provided by Siskiyou County, CA, Klamath County, OR, PacifiCorp, and the Bureau of Land Management (BLM). There are inconsistencies among these datasets and between the datasets and LiDAR and aerial imagery. No ground-based parcel surveys have been completed; however, the County parcel data has been geo-rectified to align better with available LiDAR and aerial imagery data. APE and Sub Area 1 locations are based on field survey with GPS, LiDAR, and aerial imagery. Positions of the APE and Sub Area 1 with reference to parcel boundaries may be incorrect on the order of 10 to 50 feet.
FIGURE 7.7-1
Structures in 100-Year Floodplain Following Dam Removal
Sheet 5 of 8

Note: Parcel boundaries shown in this mapbook are data provided by Siskiyou County, CA, Klamath County, OR, PacifiCorp, and the Bureau of Land Management (BLM). There are inconsistencies among these datasets and between the datasets and LiDAR and aerial imagery. No ground-based parcel surveys have been completed; however, the County parcel data has been geo-rectified to align better with available LiDAR and aerial imagery data. APE and Sub Area 1 locations are based on field survey with GPS, LiDAR, and aerial imagery. Positions of the APE and Sub Area 1, with reference to parcel boundaries may be incorrect on the order of 10 to 50 feet.
FIGURE 7.7-1
Structures in 100-Year Floodplain Following Dam Removal

Sheet 6 of 8

Note: Parcel boundaries shown in this mapbook are data provided by Siskiyou County, CA, Klamath County, OR, PacifiCorp, and the Bureau of Land Management (BLM). There are inconsistencies among these datasets and between the datasets and LiDAR and aerial imagery. No ground-based parcel surveys have been completed; however, the County parcel data has been geo-rectified to align better with available LiDAR and aerial imagery data. APE and Sub Area 1 locations are based on field survey with GPS, LiDAR, and aerial imagery. Positions of the APE and Sub Area 1 locations may be incorrect on the order of 10 to 50 feet.
FIGURE 7.7-1
Structures in 100-Year Floodplain Following Dam Removal
Sheet 7 of 8

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FIGURE 7.7-1
Structures in 100-Year Floodplain
Following Dam Removal
Sheet 8 of 8

Note: Parcel boundaries shown in this mapbook are data provided by Siskiyou County, CA, Klamath County, OR, PacifiCorp, and the Bureau of Land Management (BLM). There are inconsistencies among these datasets and between the datasets and LiDAR and aerial imagery. No ground-based parcel surveys have been completed; however, the County parcel data has been geo-referenced to align better with available LiDAR and aerial imagery data. APE and Sub Area 1 locations are based on field survey with GPS, LiDAR, and aerial imagery. Positions of the APE and Sub Area 1 with reference to parcel boundaries may be incorrect on the order of 10 to 50 feet.