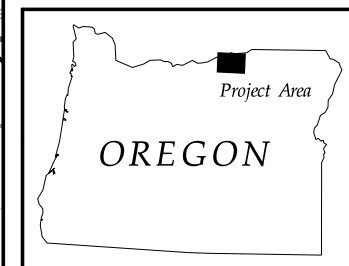


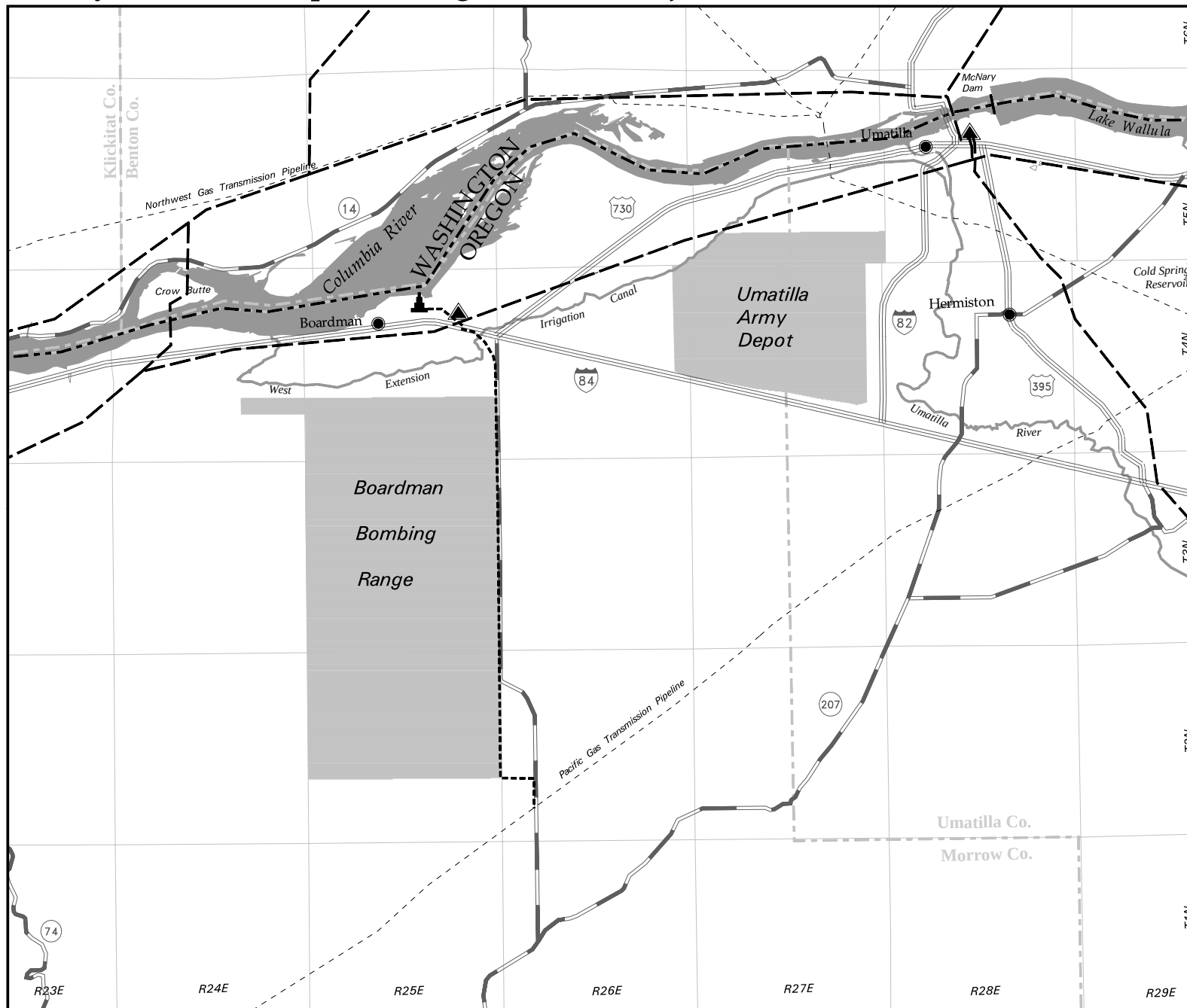
Coyote Springs Project

Project Area

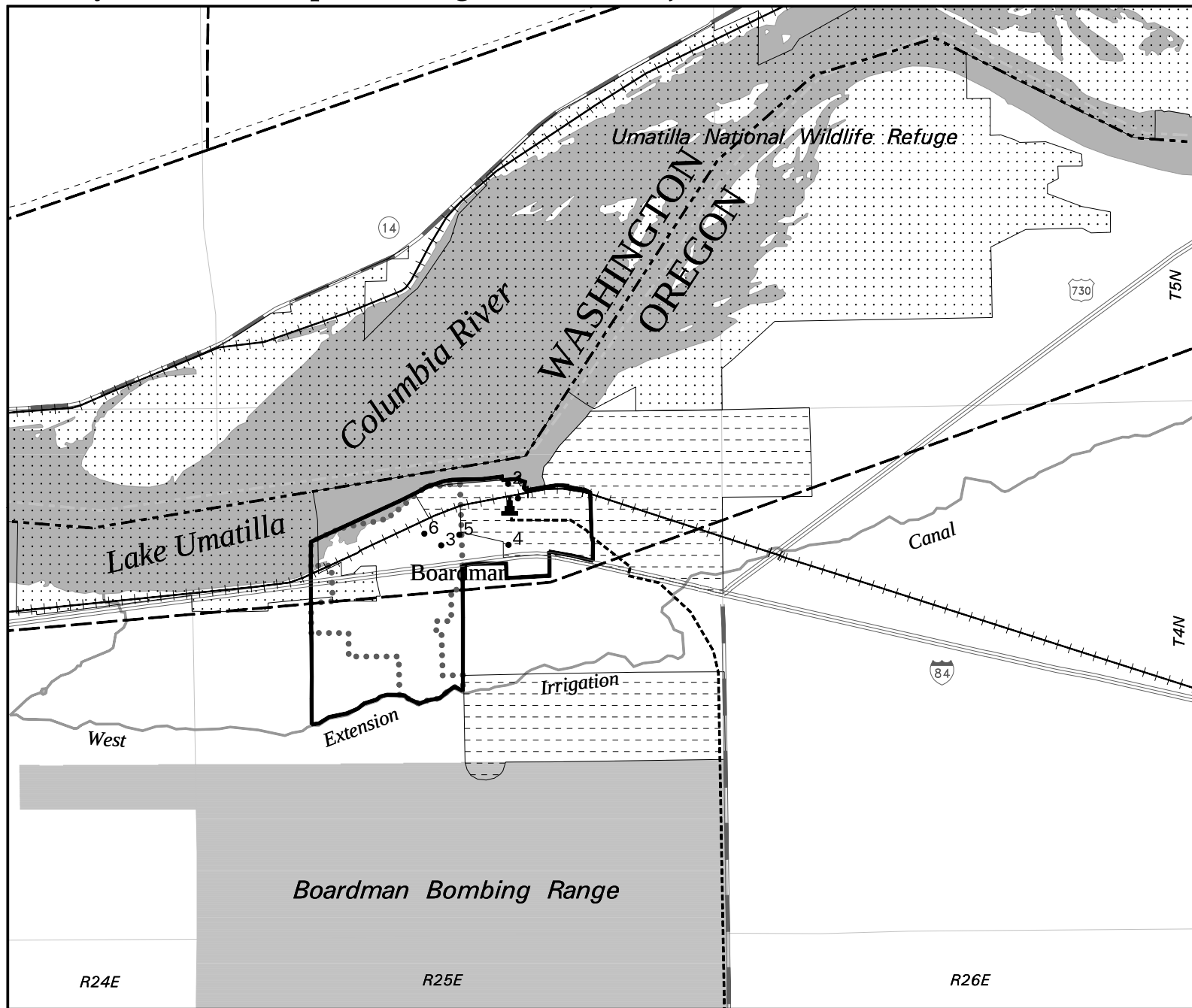
- Existing BPA Substation
- Proposed Plant Site
- Existing BPA Transmission Line
- Gas Pipeline
- Proposed Pipeline Extension



Map 1

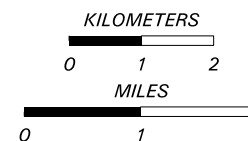
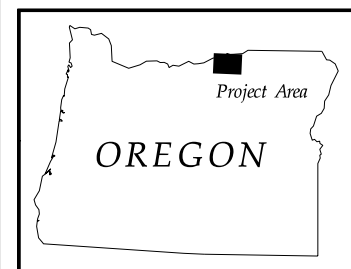


Coyote Springs Project



Major Land Jurisdictions Within Vicinity of Project Site

- Proposed Plant Site
- Noise Measurement Sites
- Proposed Pipeline Extension
- BPA Transmission Line
- City Limits
- Urban Growth Boundary
- Wildlife Refuge
- Port of Morrow

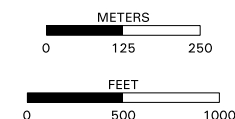
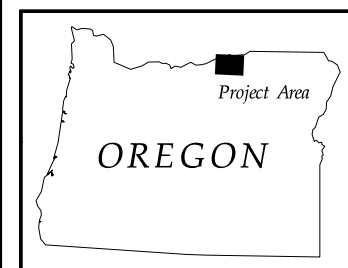


Map 3

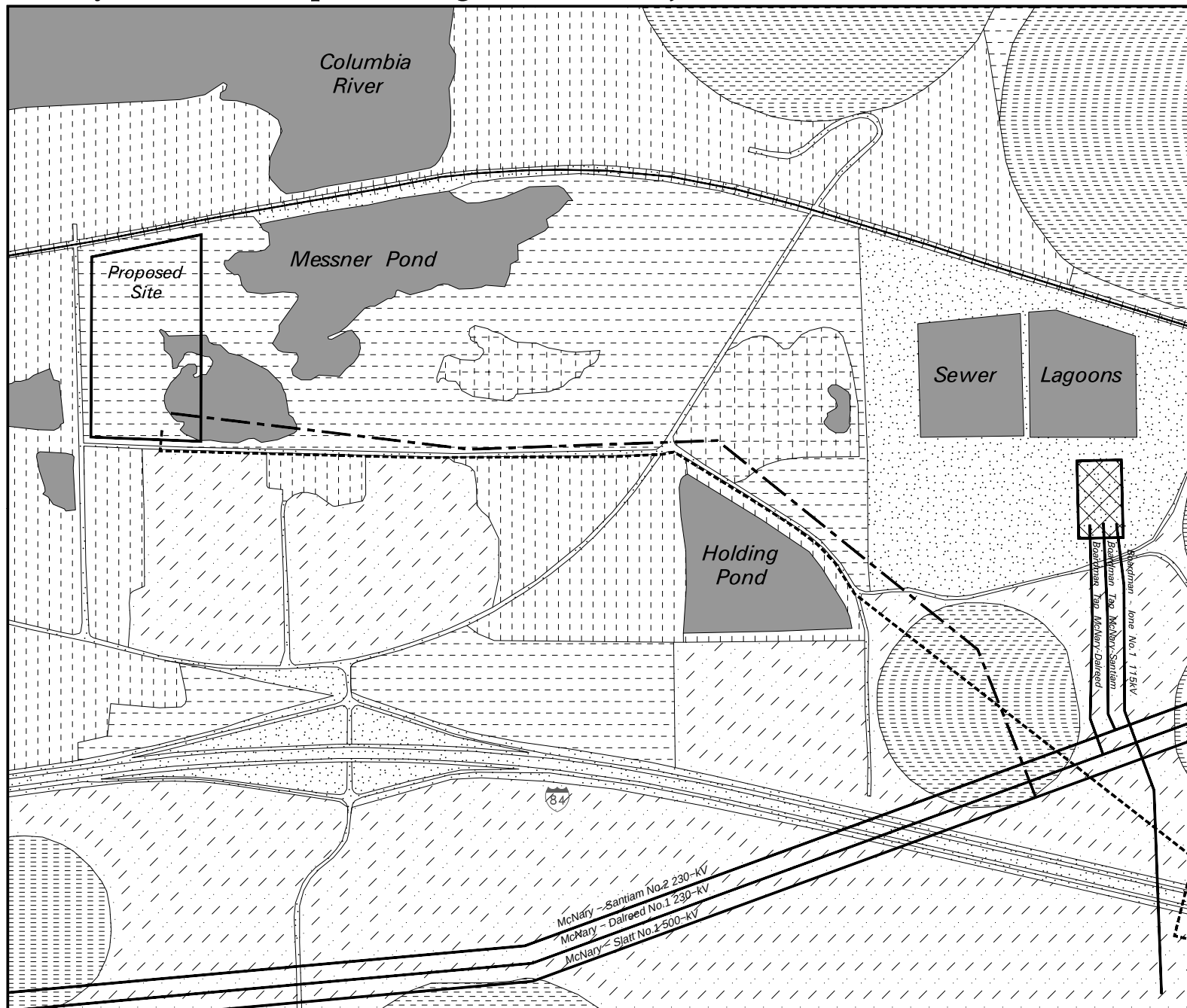
Coyote Springs Project

Land Use/Land Cover

-  Vacant
-  Industrial
-  Center Pivot Irrigation
-  General Agriculture
-  Quarry
-  Public Facility & Transportation
-  Proposed Pipeline Extension
-  Proposed 500kV Transmission Line



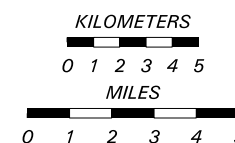
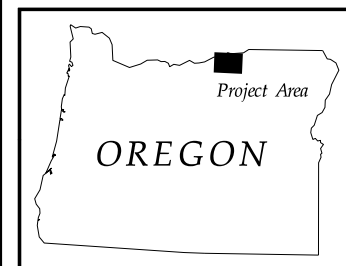
Map 4



Coyote Springs Project

Major Land Jurisdictions
Within 40 Km (25 Miles)
of Project Site

-  BLM
-  State of Oregon
-  Bankhead Jones LU Lands
-  Native American Lands
-  National Wildlife Refuge
-  Irrigon Wildlife Area-ODFW
-  Proposed Pipeline Extension
-  Existing BPA Substation
-  Proposed Plant Site



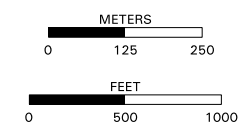
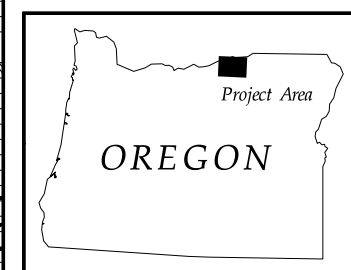
Map 5



The map illustrates the proposed site for the McNary Transmission Line, situated near the Columbia River and Messner Pond. Key features include:

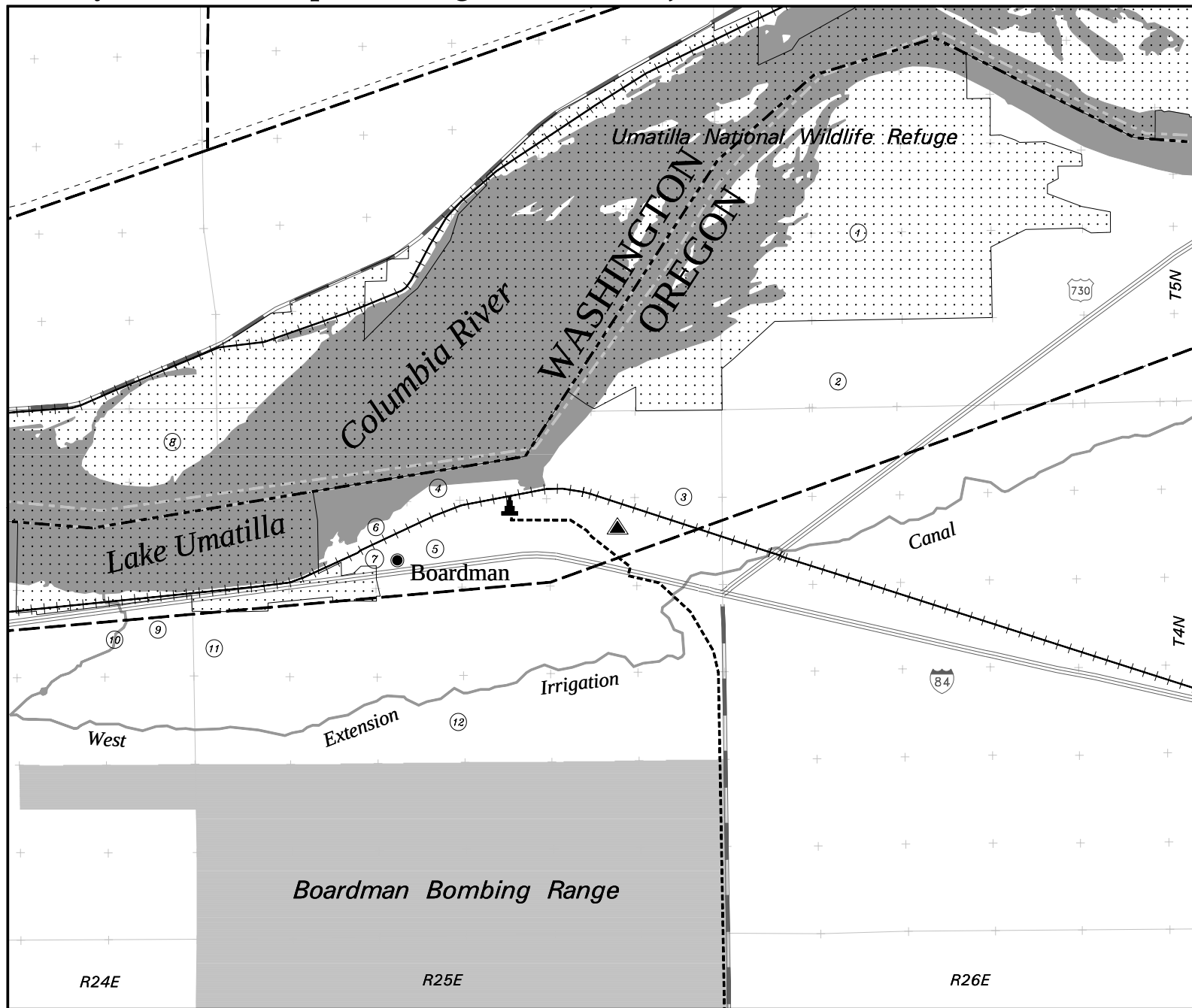
- Proposed Site:** A rectangular area outlined with a dashed line, located near the intersection of Ullman Blvd. and Port Access Road.
- Water Bodies:** Columbia River, Messner Pond, and Holding Pond.
- Infrastructure:** Union Pacific Railroad, Ullman Blvd., Port Access Road, Columbia Avenue, and Laurel Rd.
- Land Use Designations:** PI (Public Use), MG (Medium Density Residential), RSC (Residential Single-Family), SF40 (Single-Family Detached), EFU (Employment, General), and FR2 (Forest Reserve).
- Other Features:** Sewer Lagoons, a Holding Pond, and a proposed site boundary indicated by a dashed line.

	<i>PI Port Industrial</i>
	<i>MG General Industrial</i>
	<i>RSC Rural Service Center</i>
	<i>SF40 Farm Residential > 2 Acres</i>
	<i>FR2 Small Farm 40 Acres</i>
	<i>EFU Exclusive Farm Use</i>
	<i>Proposed Pipeline Extension</i>
	<i>Proposed 500kV Transmission Line</i>



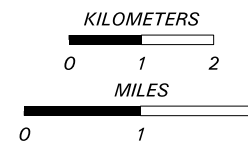
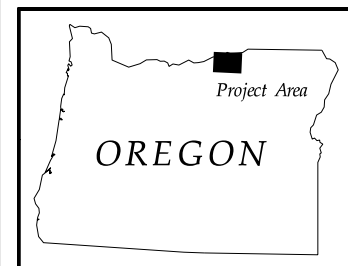
Map 6

Coyote Springs Project



Recreation Sites

- ① McCormack Slough
 - ② McCormack Regulated Hunting Area
 - ③ Port of Morrow RHA North Unit
 - ④ Port of Morrow Beach
 - ⑤ Riverside H.S. Playing Field
 - ⑥ Boardman Marina Park
 - ⑦ Boardman City Park
 - ⑧ Umatilla National Wildlife Refuge
 - ⑨ Boardman RHA
 - ⑩ Oregon Contact Station and Restrooms
 - ⑪ Boardman Golf Course
 - ⑫ Port of Morrow South Unit
- ▲ Proposed Plant Site
- Proposed Pipeline Extension



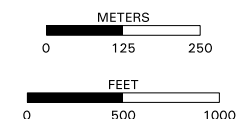
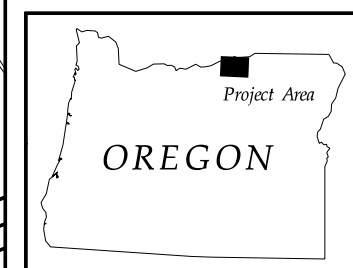
Map 7

Coyote Springs Project

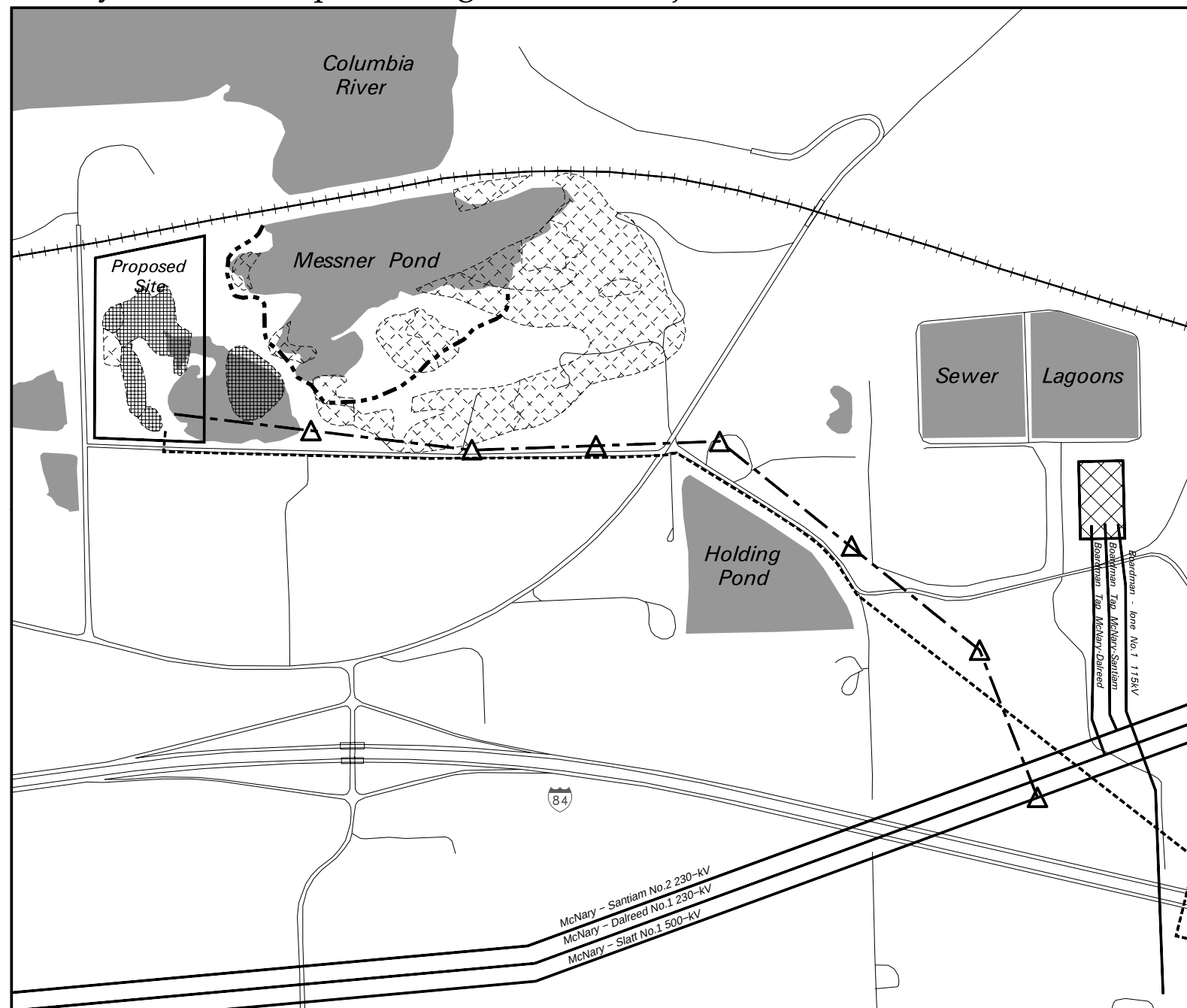
Surface Water and Wetlands

-  Existing Open Water from BPA Orthophoto 1993
-  Wetlands Altered by Mining Processes Since 1982*
-  Wetlands Altered Since 1982*
-  1993 Field Survey Approximate Wetland Boundary (BPA)
-  Proposed Pipeline Extension
-  Proposed 500kV Transmission Line
-  Proposed Tower Locations

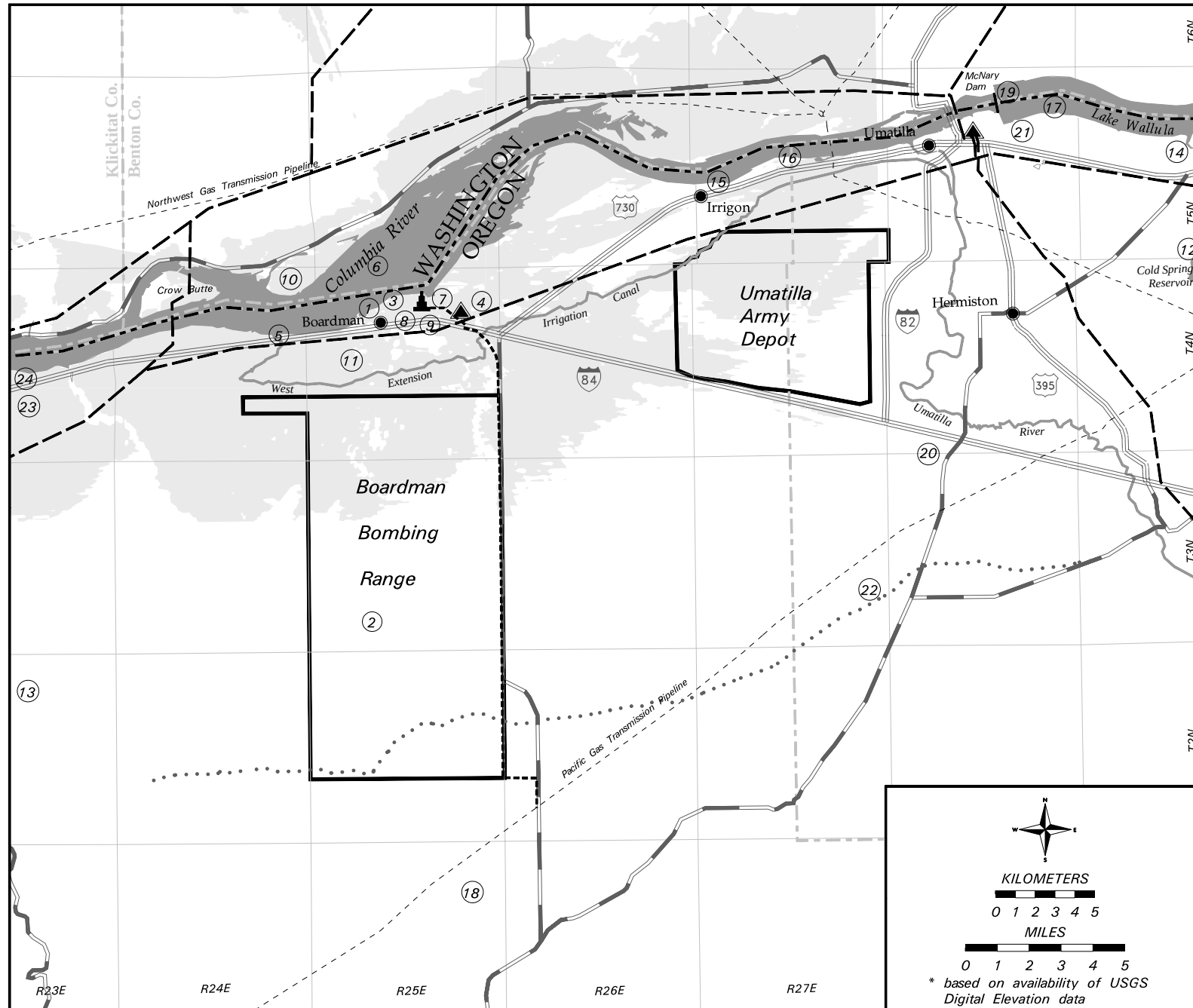
* Wetlands from U.S. Fish and Wildlife Service National Wetlands Inventory (NWI), Boardman Quadrangle, vintage 1982.



Map 8



Coyote Springs Project



Visual Assessment

Viewer Observation Locations

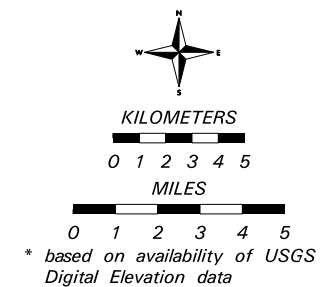
- 1 Boardman Marina Park
- 2 Boardman Research Natural Area
- 3 Boardman Sailboard Beach
- 4 Coyote Springs Wildlife Area
- 5 I-84 Rest Stop
- 6 Lake Umatilla
- 7 Messner Pond
- 8 Riverside High School
- 9 Travelers on I-84
- 10 Umatilla National Wildlife Refuge
- 11 Wilson's Willow Run Golf Course
- 12 Cold Springs Reservoir and National Wildlife Refuge
- 13 Horn Butte Area of Critical Environmental Concern (BLM)
- 14 Hatrock State Park
- 15 Irrigon Marina Park
- 16 Irrigon State Wildlife Area
- 17 Lake Wallula
- 18 Lindsay Grasslands
- 19 McNary Lock and Dam
- 20 Oregon Trail Area of Critical Environmental Concern (BLM)
- 21 Power City Wildlife Area
- 22 Umatilla County Scenic-Historic Road
- 23 Willow Creek State Wildlife Area
- 24 Willow Creek Corps of Engineers Boat Ramp-Recreation Area

Viewshed

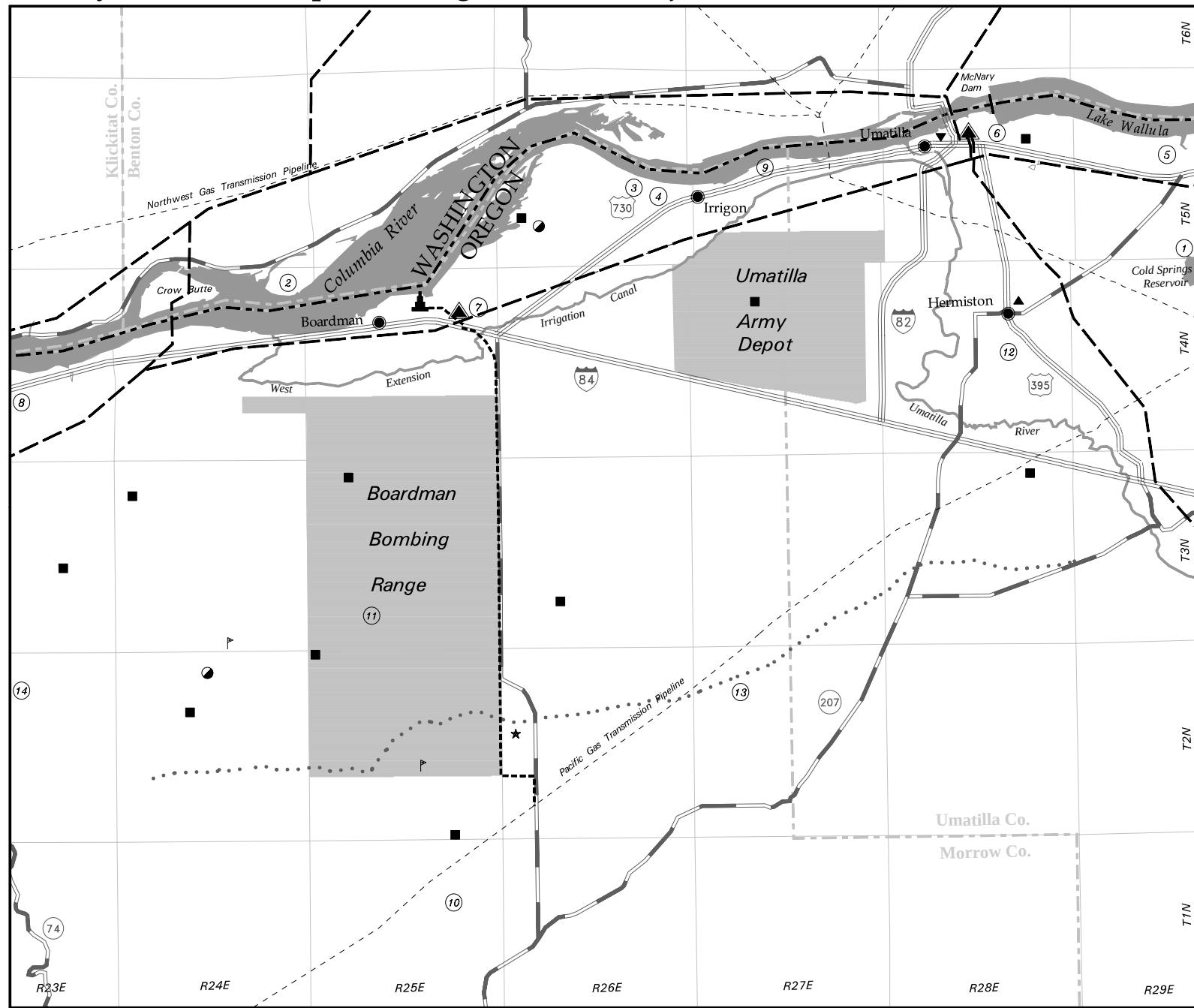
- Visible terrain from point 30 Meters Above Facility*

Project Proposal

- Proposed Plant Site
- Proposed Pipeline Extension
- Existing BPA Transmission Line



Coyote Springs Project



Protected Areas

- ① COLD SPRINGS NATIONAL WILDLIFE REFUGE
- ② UMATILLA NATIONAL WILDLIFE REFUGE
- ③ UMATILLA STATE FISH HATCHERY
- ④ IRRIGON STATE FISH HATCHERY
- ⑤ HAT ROCK STATE PARK
- ⑥ POWER CITY WILDLIFE AREA
- ⑦ COYOTE SPRINGS WILDLIFE AREA
- ⑧ WILLOW CREEK WILDLIFE AREA
- ⑨ IRRIGON WILDLIFE AREA
- ⑩ LINDSEY GRASSLAND PRESERVE
- ⑪ BOARDMAN NATURAL AREA
- ⑫ HERMISTON AGRICULTURAL RESEARCH & EXTENSION CENTER
- ⑬ OREGON NATIONAL HISTORIC TRAIL
- ⑭ HORN BUTTE

Federal Threatened and Endangered Species

- BALD EAGLE

State Sensitive Species

- ★ HILLSIDE MILKVETCH
- ▲ THOMPSON'S SANDWORT
- ▼ COLUMBIA CRESS
- LONG-BILLED CURLEW
- ♣ FERRUGINOUS HAWK

- ▲ PROPOSED PLANT SITE
- PROPOSED PIPELINE EXTENSION



KILOMETERS

0 1 2 3 4 5

MILES

0 1 2 3 4 5

Map 10

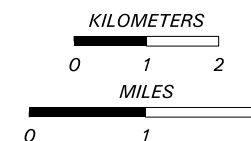
Coyote Springs Project

Maximum Air Emission Impacts from Coyote Springs Cogeneration Plant

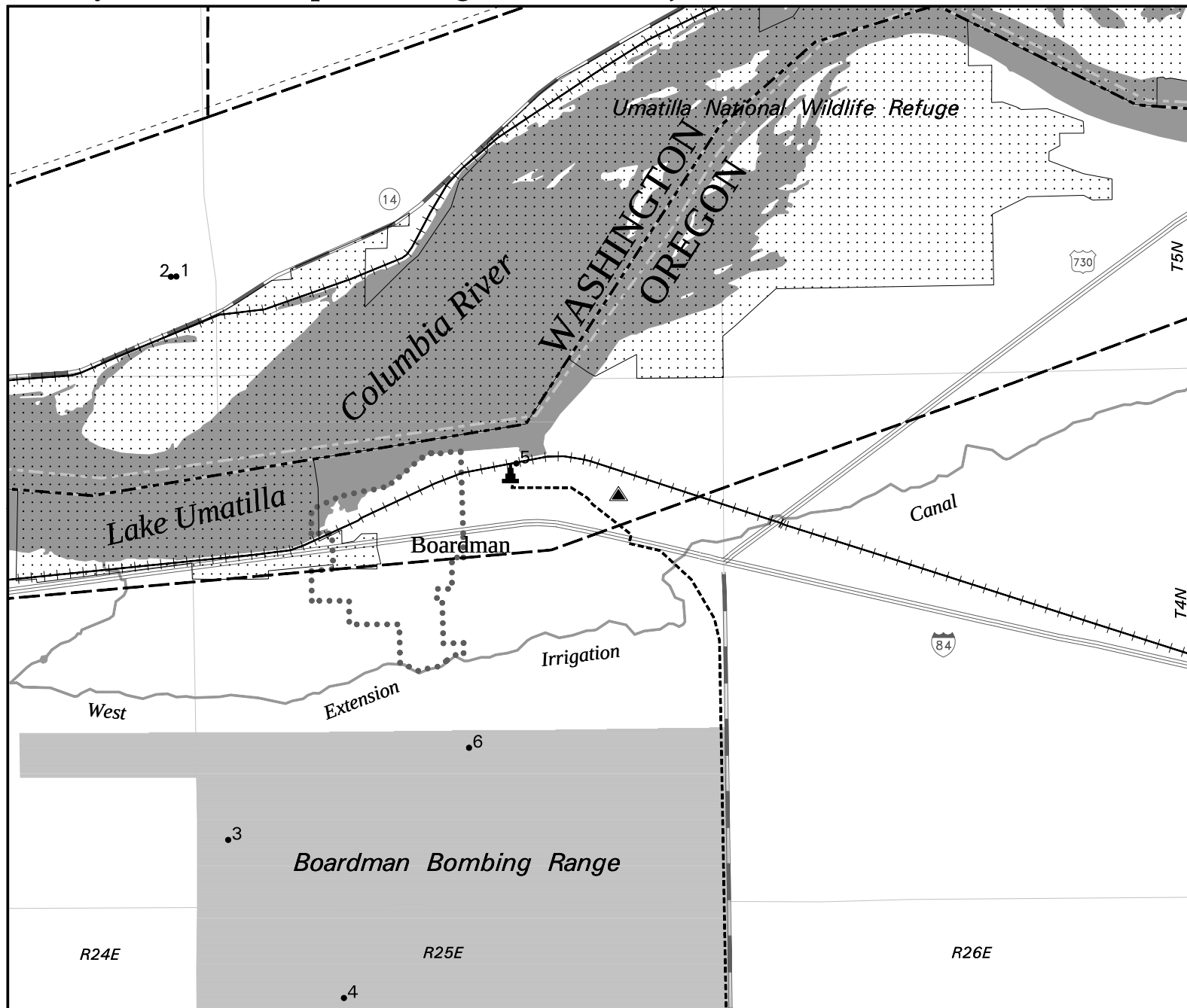
-  Existing BPA Substation
-  Proposed Plant Site
-  Measurement Site
-  Proposed Pipeline Extension
-  Existing BPA Transmission Line

Pollutant	Predicted (ug/m3)	Av. Period
1 PM10/TSP	1.213	24hr*
AMMONIA	13.8	1hr
CO	23.7	1hr
	17.8	8hr
2 PM10/TSP	0.459	Annual
NO2	1.4	Annual
FORMALDEHYDE	0.0057	Annual
3 PM10/TSP	0.956	24hr
AMMONIA	6.47	1hr
4 PM10/TSP	0.188	Annual
FORMALDEHYDE	0.0023	Annual
5 NO2	0.6	Annual
6 CO	46.17	1hr
	32.32	8hr

* highest combined source concentration



Map 11

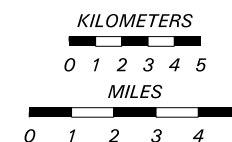
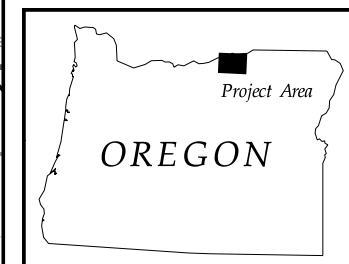


Coyote Springs Project

Maximum Predicted NO₂
Impacts from Coyote
Springs Cogeneration
Plant

-  Existing BPA Substation
-  Proposed Plant Site
-  Existing BPA Transmission Line
-  Gas Pipeline
-  Proposed Pipeline Extension
-  1.25+ ug/m3*
-  1-1.25 ug/m3
-  0.75-1 ug/m3
-  0.5-0.75 ug/m3
-  <0.5 ug/m3

* micrograms per cubic meter



Map 12

