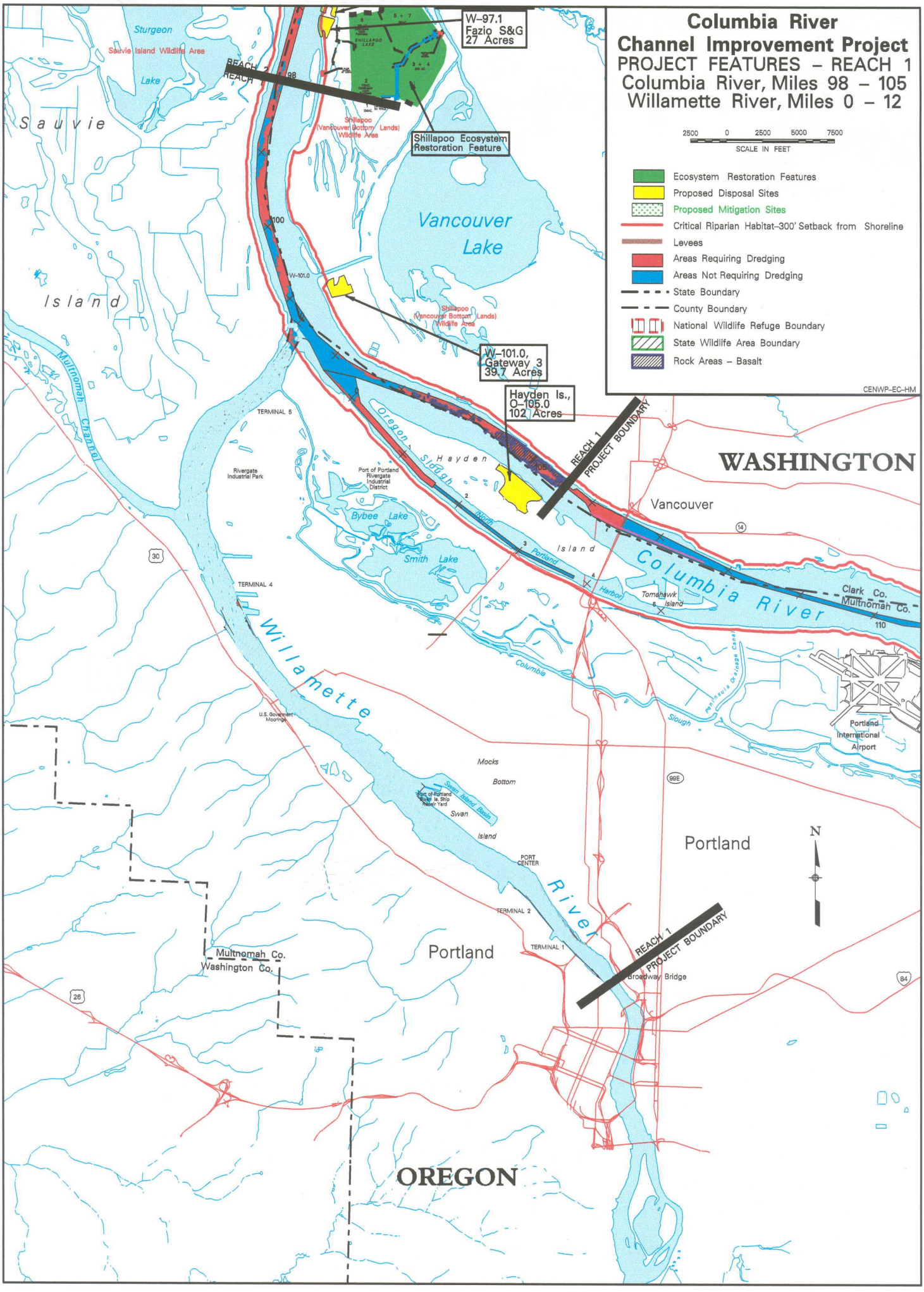
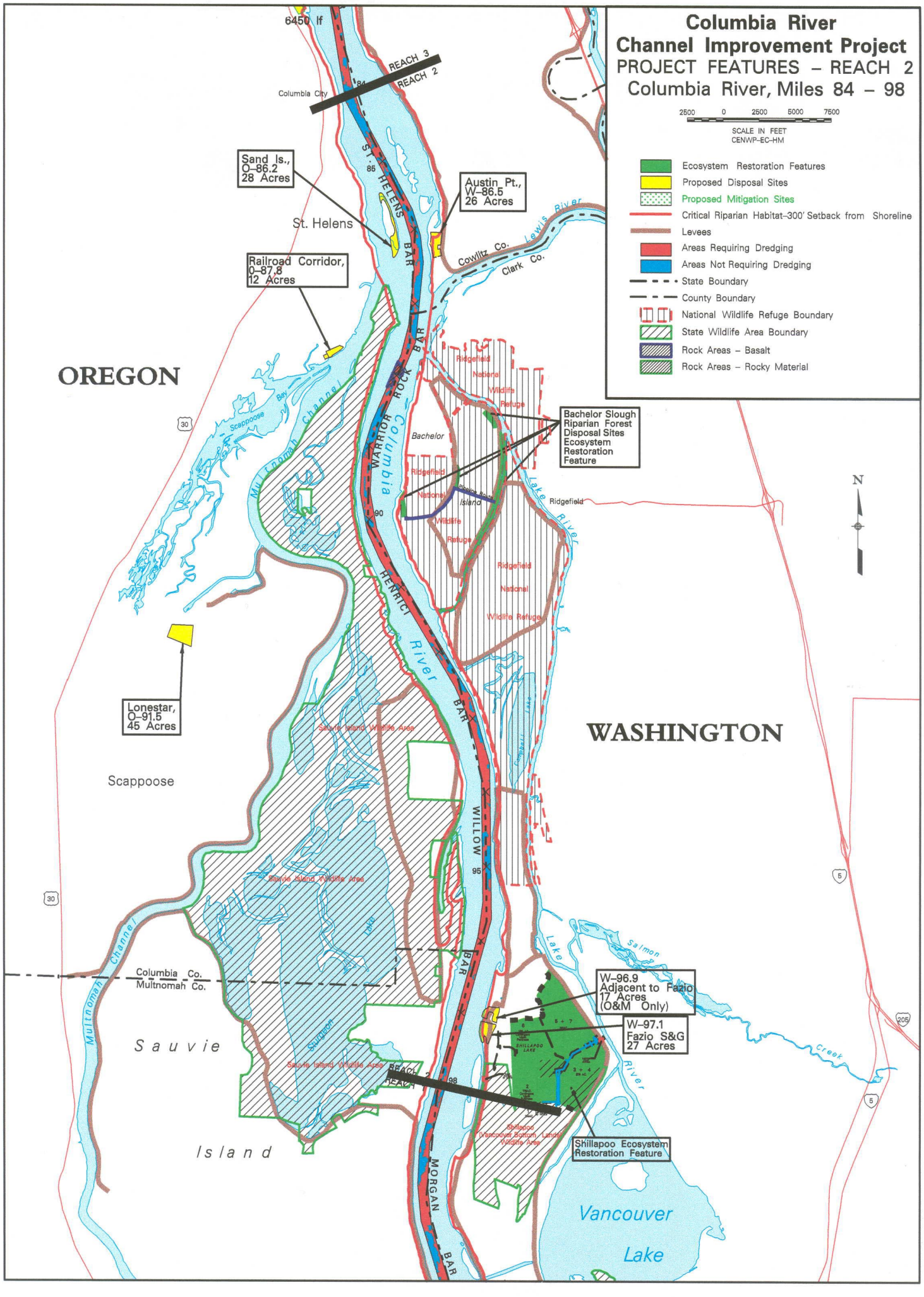
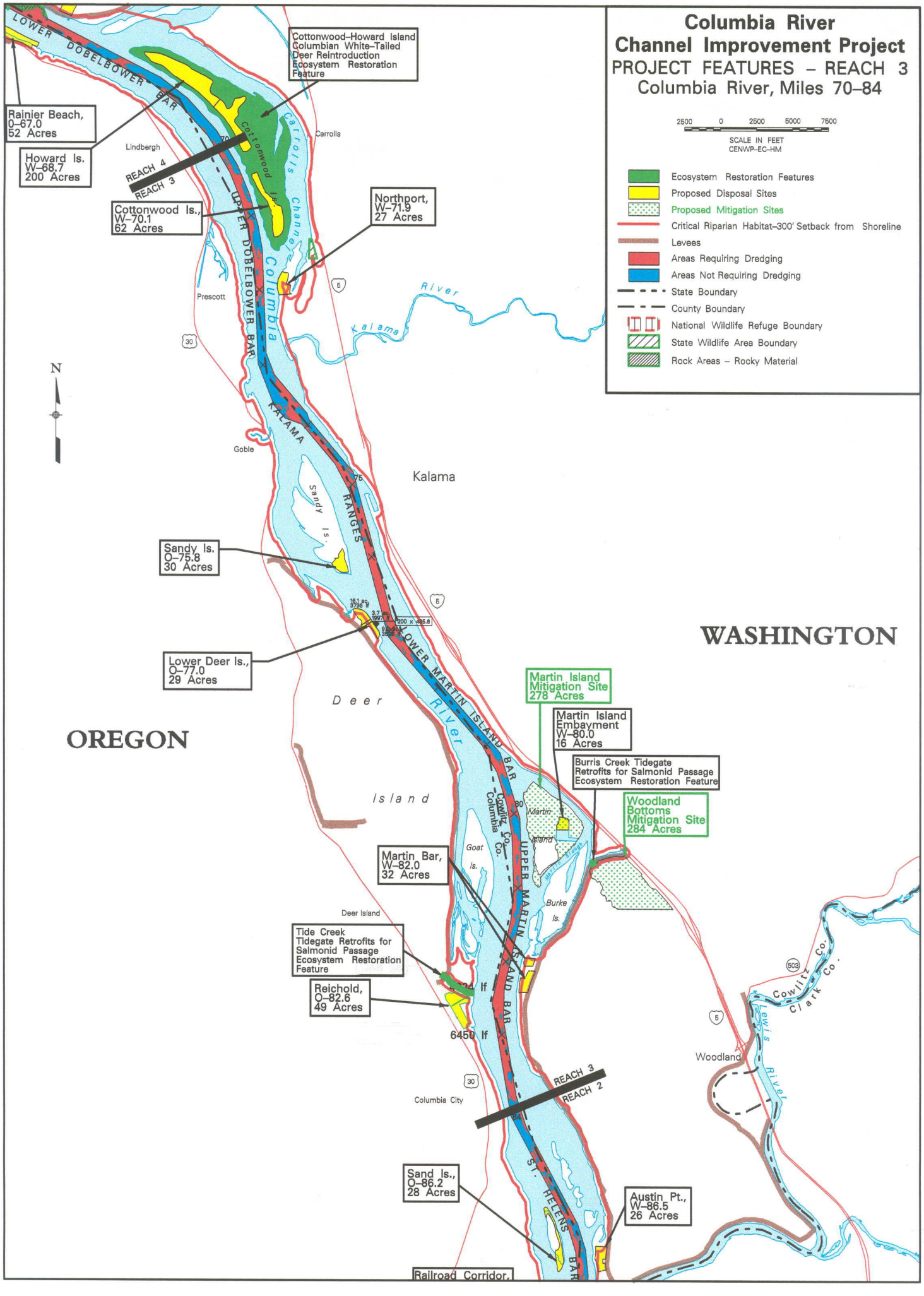
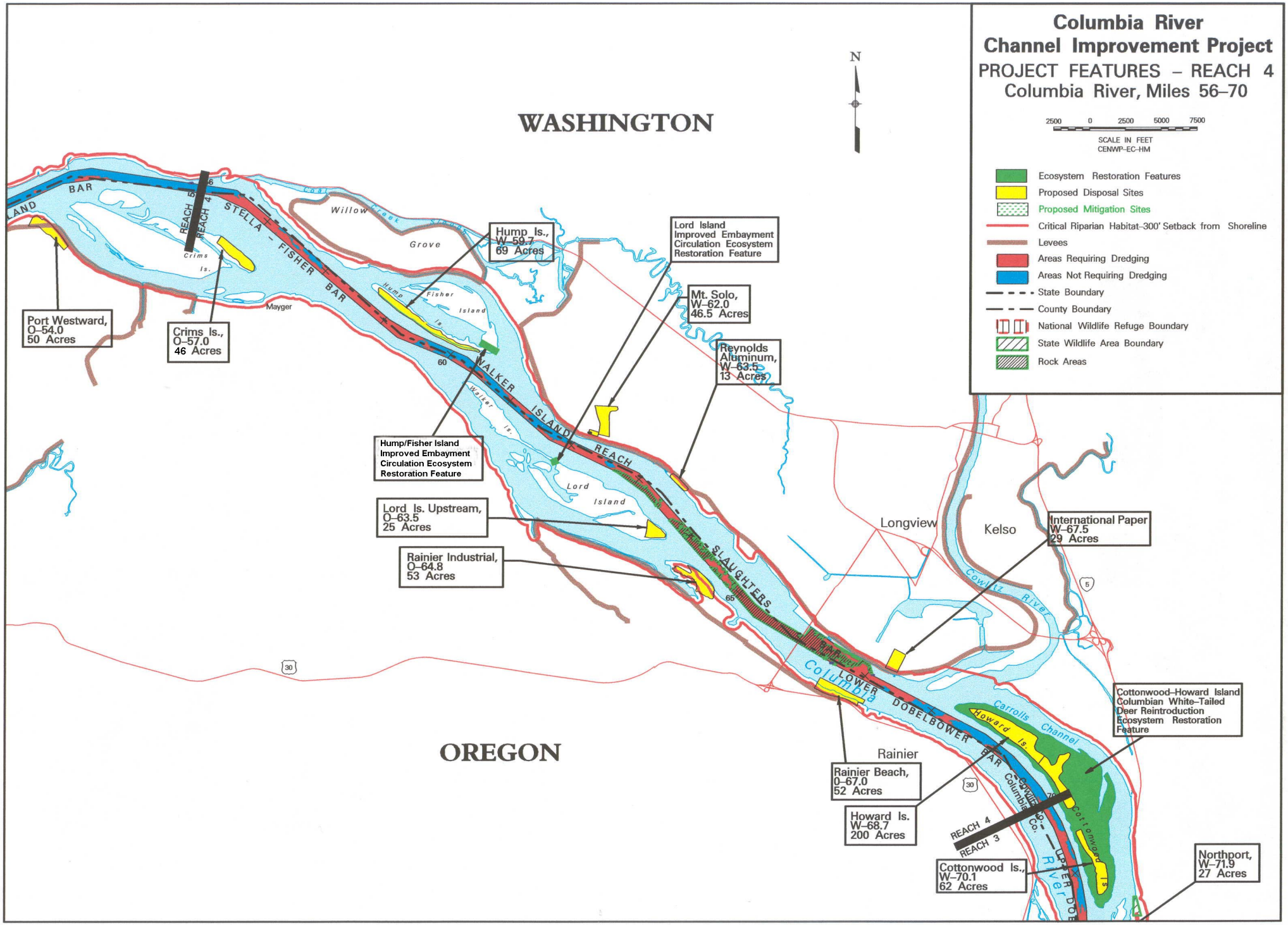
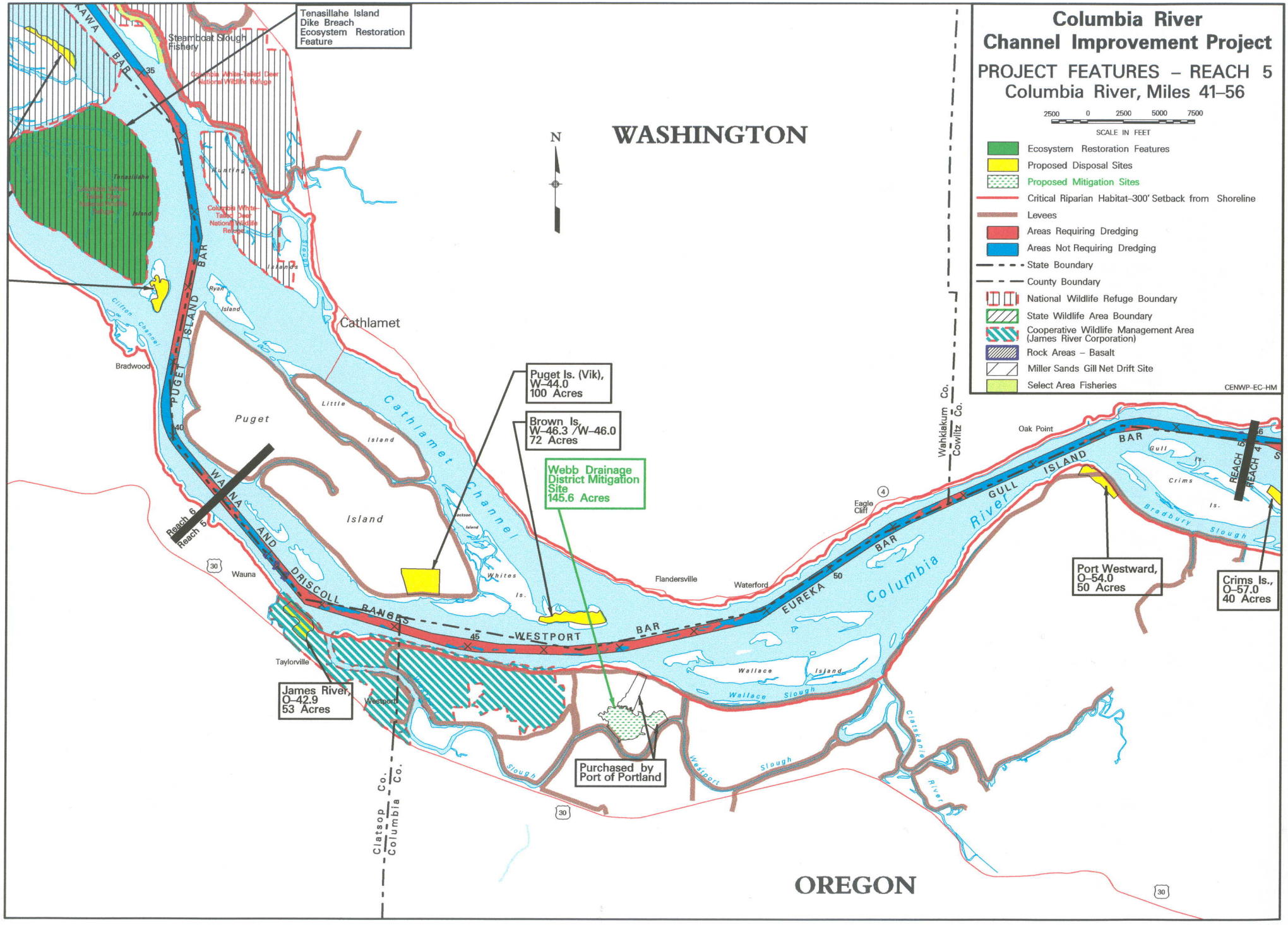

Columbia River
Channel Improvement Project
PROJECT FEATURES – REACH 1
Columbia River, Miles 98 – 105
Willamette River, Miles 0 – 12
2500 0 2500 5000 7500
SCALE IN FEET
Ecosystem Restoration Features
Proposed Disposal Sites
Proposed Mitigation Sites
Critical Riparian Habitat-300' Setback from Shoreline
Levees
Areas Requiring Dredging
Areas Not Requiring Dredging
State Boundary
County Boundary
National Wildlife Refuge Boundary
State Wildlife Area Boundary
Rock Areas – Basalt
CENWP-EC-HM
W-97.1
Fazio S&G
27 Acres
Shillapoo Ecosystem
Restoration Feature
W-101.0,
Gateway 3
39.7 Acres
Hayden Is.,
O-105.0
102 Acres
REACH 1
PROJECT BOUNDARY
WASHINGTON
OREGON
Vancouver
Portland
Sauvie Island
Sturgeon Lake
Sauvie Island Wildlife Area
Vancouver Lake
Shillapoo (Vancouver Bottom Lands) Wildlife Area
Multnomah Channel
Oregon Slough
Hayden Island
North Portland Harbor
Bybee Lake
Smith Lake
Tomahawk Island
Columbia River
Clark Co.
Multnomah Co.
Willamette River
Columbia Slough
Portland International Airport
Mocks Bottom
Swan Island
Swan Island Basin
PORT CENTER
TERMINAL 1
TERMINAL 2
TERMINAL 4
TERMINAL 5
Rivergate Industrial Park
Port of Portland Rivergate Industrial District
U.S. Government Moorings
Broadway Bridge
Multnomah Co.
Washington Co.
N


Columbia River
Channel Improvement Project
PROJECT FEATURES – REACH 2
Columbia River, Miles 84 – 98
2500 0 2500 5000 7500
SCALE IN FEET
CENWP-EC-HM
Ecosystem Restoration Features
Proposed Disposal Sites
Proposed Mitigation Sites
Critical Riparian Habitat-300' Setback from Shoreline
Levees
Areas Requiring Dredging
Areas Not Requiring Dredging
State Boundary
County Boundary
National Wildlife Refuge Boundary
State Wildlife Area Boundary
Rock Areas – Basalt
Rock Areas – Rocky Material
6450 lf
REACH 3
REACH 2
Columbia City
Sand Is., O-86.2 28 Acres
Austin Pt., W-86.5 26 Acres
St. Helens
Railroad Corridor, O-87.8 12 Acres
Cowlitz Co.
Clark Co.
Lewis River
OREGON
WASHINGTON
Bachelor Slough Riparian Forest Disposal Sites Ecosystem Restoration Feature
Ridgefield National Wildlife Refuge
Bachelor Island
Lake River
Lonestar, O-91.5 45 Acres
Scappoose
Scappoose Bay
Multnomah Channel
Columbia River
ST. HELENS BAR
WARRIOR ROCK BAR
HENRICI BAR
WILLOW BAR
MORGAN BAR
Sauvie Island Wildlife Area
Sauvie Island
Columbia Co.
Multnomah Co.
W-96.9 Adjacent to Fazio 17 Acres (O&M Only)
W-97.1 Fazio S&G 27 Acres
Shillapoo Lake
Salmon Creek
Shillapoo Vancouver Bottom Lands Wildlife Area
Shillapoo Ecosystem Restoration Feature
Vancouver Lake
N

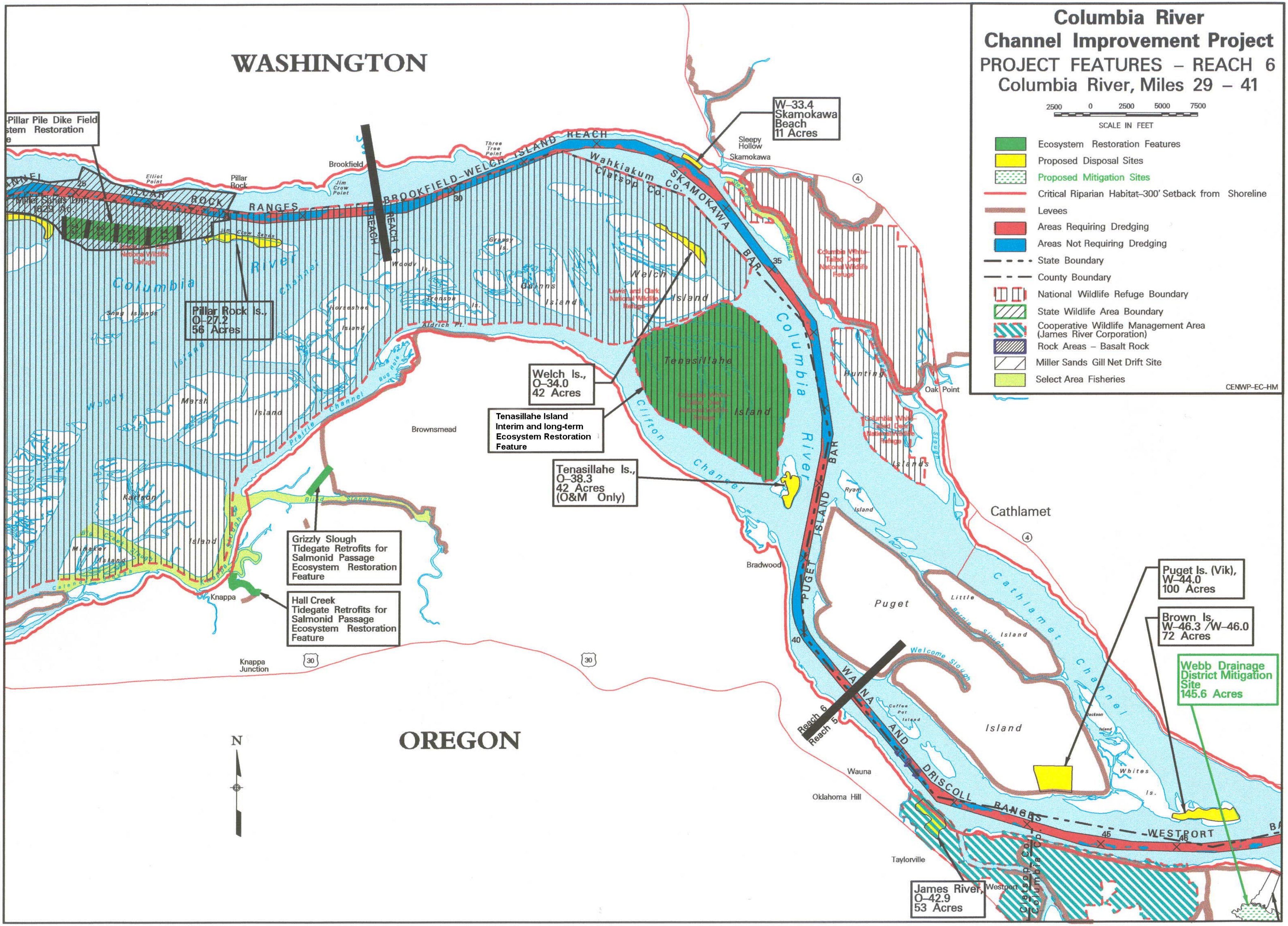

Columbia River
Channel Improvement Project
PROJECT FEATURES – REACH 3
Columbia River, Miles 70–84
2500 0 2500 5000 7500
SCALE IN FEET
CENWP-EC-HM
Ecosystem Restoration Features
Proposed Disposal Sites
Proposed Mitigation Sites
Critical Riparian Habitat–300' Setback from Shoreline
Levees
Areas Requiring Dredging
Areas Not Requiring Dredging
State Boundary
County Boundary
National Wildlife Refuge Boundary
State Wildlife Area Boundary
Rock Areas – Rocky Material
Cottonwood–Howard Island Columbian White–Tailed Deer Reintroduction Ecosystem Restoration Feature
Rainier Beach, O–67.0 52 Acres
Howard Is. W–68.7 200 Acres
Cottonwood Is., W–70.1 62 Acres
Northport, W–71.9 27 Acres
Sandy Is. O–75.8 30 Acres
Lower Deer Is., O–77.0 29 Acres
Martin Island Mitigation Site 278 Acres
Martin Island Embayment W–80.0 16 Acres
Burris Creek Tidegate Retrofits for Salmonid Passage Ecosystem Restoration Feature
Woodland Bottoms Mitigation Site 284 Acres
Martin Bar, W–82.0 32 Acres
Tide Creek Tidegate Retrofits for Salmonid Passage Ecosystem Restoration Feature
Reichold, O–82.6 49 Acres
Sand Is., O–86.2 28 Acres
Austin Pt., W–86.5 26 Acres
Railroad Corridor
LOWER DOBELBOWER BAR
UPPER DOBELBOWER BAR
KALAMA RANGES
LOWER MARTIN ISLAND BAR
UPPER MARTIN ISLAND BAR
ST. HELENS BAR
Columbia River
Kalama River
Lewis River
Cottonwood Is.
Carrolls Channel
Sandy Is.
Deer Island
Martin Island
Goat Is.
Burke Is.
Lindbergh
Carrolls
Prescott
Goble
Kalama
Deer Island
Columbia City
Woodland
Cowlitz Co.
Clark Co.
Columbia Co.
REACH 4
REACH 3
REACH 2
OREGON
WASHINGTON
N



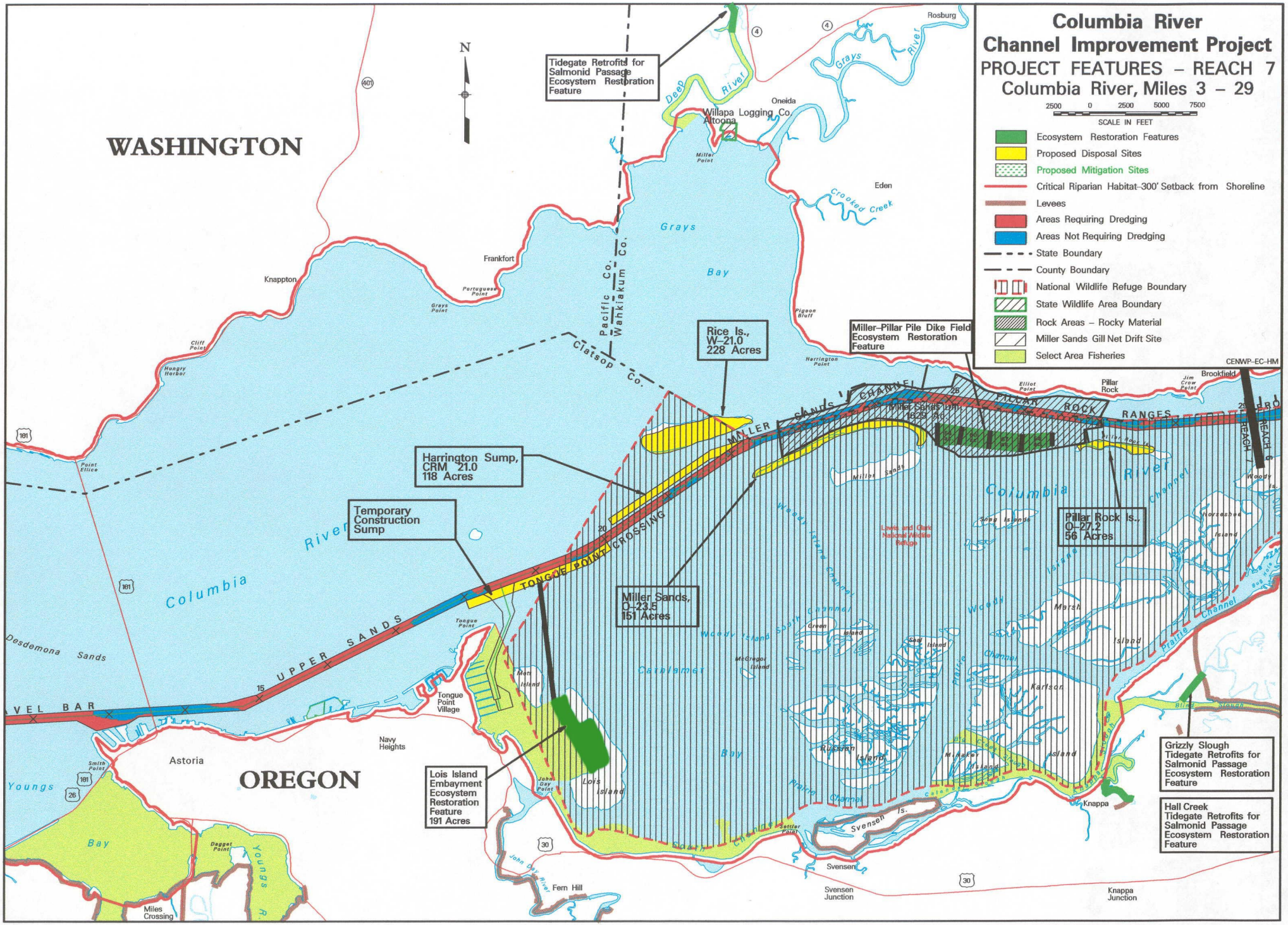
Columbia River
Channel Improvement Project
PROJECT FEATURES – REACH 4
Columbia River, Miles 56–70
2500 0 2500 5000 7500
SCALE IN FEET
CENWP-EC-HM
Ecosystem Restoration Features
Proposed Disposal Sites
Proposed Mitigation Sites
Critical Riparian Habitat–300' Setback from Shoreline
Levees
Areas Requiring Dredging
Areas Not Requiring Dredging
State Boundary
County Boundary
National Wildlife Refuge Boundary
State Wildlife Area Boundary
Rock Areas
N
WASHINGTON
OREGON
Port Westward, O–54.0 50 Acres
Crims Is., O–57.0 46 Acres
Hump Is., W–59.7 69 Acres
Lord Island Improved Embayment Circulation Ecosystem Restoration Feature
Mt. Solo, W–62.0 46.5 Acres
Reynolds Aluminum, W–63.5 13 Acres
Hump/Fisher Island Improved Embayment Circulation Ecosystem Restoration Feature
Lord Is. Upstream, O–63.5 25 Acres
Rainier Industrial, O–64.8 53 Acres
International Paper W–67.5 29 Acres
Cottonwood–Howard Island Columbian White–Tailed Deer Reintroduction Ecosystem Restoration Feature
Rainier Beach, O–67.0 52 Acres
Howard Is. W–68.7 200 Acres
Cottonwood Is., W–70.1 62 Acres
Northport, W–71.9 27 Acres
STELLA – FISHER BAR
WALKER ISLAND REACH
SLAUGHTERS BAR
LOWER DOBELBOWER BAR
REACH 5
REACH 4
REACH 3
Willow Grove
Fisher Island
Lord Island
Mayger
Longview
Kelso
Rainier
Cowlitz River
Columbia River
Carrolls Channel
Howard Is.
Cottonwood Is.
Columbia Co.



Columbia River
Channel Improvement Project
PROJECT FEATURES – REACH 5
Columbia River, Miles 41–56
2500 0 2500 5000 7500
SCALE IN FEET
Ecosystem Restoration Features
Proposed Disposal Sites
Proposed Mitigation Sites
Critical Riparian Habitat–300' Setback from Shoreline
Levees
Areas Requiring Dredging
Areas Not Requiring Dredging
State Boundary
County Boundary
National Wildlife Refuge Boundary
State Wildlife Area Boundary
Cooperative Wildlife Management Area (James River Corporation)
Rock Areas – Basalt
Miller Sands Gill Net Drift Site
Select Area Fisheries
CENWP-EC-HM
WASHINGTON
OREGON
N
Tenasillahe Island Dike Breach Ecosystem Restoration Feature
Steamboat Slough Fishery
Columbia White-Tailed Deer National Wildlife Refuge
Tenasillahe Island
Hunting Islands
Ryan Island
Clifton Channel
Bradwood
Cathlamet
Puget Island
Puget Island
Little Island
Cathlamet Channel
Whites Is.
Puget Is. (Vik), W–44.0 100 Acres
Brown Is, W–46.3 /W–46.0 72 Acres
Webb Drainage District Mitigation Site 145.6 Acres
Reach 6
Reach 5
Wauna
Taylorville
Westport
James River, O–42.9 53 Acres
Purchased by Port of Portland
Flandersville
Waterford
Eagle Cliff
Oak Point
Wallace Island
Wallace Slough
Westport Slough
Clatskanie River
Columbia River
Gull Is.
Crims Is.
Bradbury Slough
Port Westward, O–54.0 50 Acres
Crims Is., O–57.0 40 Acres
Wahkiakum Co.
Cowlitz Co.
Clatsop Co.
Columbia Co.
PUGET ISLAND BAR
WAUNA AND DRISCOLL RANGES
WESTPORT BAR
EUREKA BAR
GULL ISLAND BAR
REACH 5
REACH 4



Columbia River
Channel Improvement Project
PROJECT FEATURES – REACH 6
Columbia River, Miles 29 – 41
2500 0 2500 5000 7500
SCALE IN FEET
Ecosystem Restoration Features
Proposed Disposal Sites
Proposed Mitigation Sites
Critical Riparian Habitat–300' Setback from Shoreline
Levees
Areas Requiring Dredging
Areas Not Requiring Dredging
State Boundary
County Boundary
National Wildlife Refuge Boundary
State Wildlife Area Boundary
Cooperative Wildlife Management Area (James River Corporation)
Rock Areas – Basalt Rock
Miller Sands Gill Net Drift Site
Select Area Fisheries
CENWP-EC-HM
WASHINGTON
OREGON
N
W–33.4 Skamokawa Beach 11 Acres
Pillar Rock Is., O–27.2 56 Acres
Welch Is., O–34.0 42 Acres
Tenasillahe Island Interim and long-term Ecosystem Restoration Feature
Tenasillahe Is., O–38.3 42 Acres (O&M Only)
Grizzly Slough Tidegate Retrofits for Salmonid Passage Ecosystem Restoration Feature
Hall Creek Tidegate Retrofits for Salmonid Passage Ecosystem Restoration Feature
Puget Is. (Vik), W–44.0 100 Acres
Brown Is, W–46.3 /W–46.0 72 Acres
Webb Drainage District Mitigation Site 145.6 Acres
James River, O–42.9 53 Acres
BROOKFIELD–WELCH ISLAND REACH
PILLAR ROCK RANGES
SKAMOKAWA BAR
PUGET ISLAND BAR
WAUNA AND DRISCOLL RANGES
WESTPORT
Reach 6
Reach 7
Reach 5
Wahkiakum Co.
Clatsop Co.
Columbia River
Woody Island
Welch Island
Tenasillahe Island
Clifton Channel
Cathlamet Channel
Puget Island
Little Island
Brookfield
Pillar Rock
Sleepy Hollow
Skamokawa
Oak Point
Cathlamet
Brownsmead
Bradwood
Knappa
Knappa Junction
Wauna
Oklahoma Hill
Taylorville
Westport
30
35
40
45



Columbia River
Channel Improvement Project
PROJECT FEATURES – REACH 7
Columbia River, Miles 3 – 29
2500 0 2500 5000 7500
SCALE IN FEET
Ecosystem Restoration Features
Proposed Disposal Sites
Proposed Mitigation Sites
Critical Riparian Habitat–300' Setback from Shoreline
Levees
Areas Requiring Dredging
Areas Not Requiring Dredging
State Boundary
County Boundary
National Wildlife Refuge Boundary
State Wildlife Area Boundary
Rock Areas – Rocky Material
Miller Sands Gill Net Drift Site
Select Area Fisheries
CENWP–EC–HM
WASHINGTON
OREGON
N
Tidegate Retrofits for Salmonid Passage Ecosystem Restoration Feature
Rice Is., W–21.0 228 Acres
Miller–Pillar Pile Dike Field Ecosystem Restoration Feature
Harrington Sump, CRM 21.0 118 Acres
Temporary Construction Sump
Miller Sands, O–23.5 151 Acres
Pillar Rock Is., O–27.2 56 Acres
Lois Island Embayment Ecosystem Restoration Feature 191 Acres
Grizzly Slough Tidegate Retrofits for Salmonid Passage Ecosystem Restoration Feature
Hall Creek Tidegate Retrofits for Salmonid Passage Ecosystem Restoration Feature
Columbia River
Grays Bay
Deep River
Grays River
Crooked Creek
Willapa Logging Co. Altoona
Oneida
Eden
Rosburg
Frankfort
Knappton
Pacific Co.
Wahkiakum Co.
Clatsop Co.
Pillar Rock
Brookfield
Miller Sands Channel
Pillar Rock Ranges
Miller Sands Dm 1629 Ac
Tongue Point Crossing
Upper Sands
Desdemona Sands
Tongue Point Village
Navy Heights
Astoria
Youngs Bay
Youngs R.
Miles Crossing
Fern Hill
Svensen
Svensen Junction
Knappa
Knappa Junction
Lewis and Clark National Wildlife Refuge
Woody Island Channel
Woody Island South Channel
Carnlamer Bay
Prairie Channel
Lois Island
Russian Island
Karlson Island
Marsh Island
Miller Sands
Snag Islands
Horseshoe Island
Green Island
Seal Island
McGregor Island
Mott Island
Tongue Point
Point Ellice
Cliff Point
Hungry Harbor
Portuguese Point
Grays Point
Miller Point
Pigeon Bluff
Harrington Point
Elliot Point
Jim Crow Point
Smith Point
Dagget Point
John Day Point
Settler Point
Blind Slough
Bug Hole

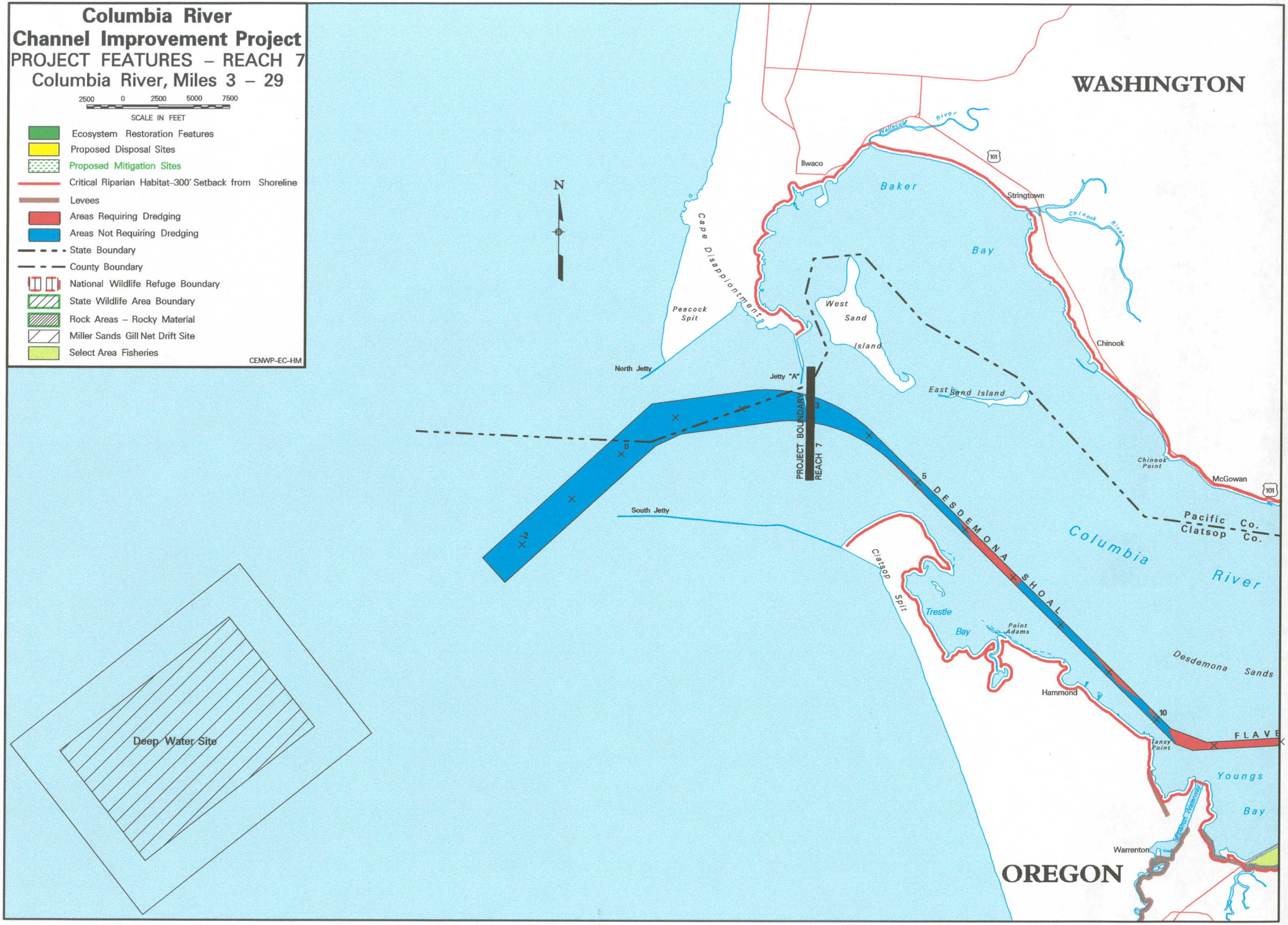
Columbia River Channel Improvement Project

PROJECT FEATURES – REACH 7

Columbia River, Miles 3 – 29

2500 0 2500 5000 7500

SCALE IN FEET

- Ecosystem Restoration Features
- Proposed Disposal Sites
- Proposed Mitigation Sites
- Critical Riparian Habitat–300' Setback from Shoreline
- Levees
- Areas Requiring Dredging
- Areas Not Requiring Dredging
- State Boundary
- County Boundary
- National Wildlife Refuge Boundary
- State Wildlife Area Boundary
- Rock Areas – Rocky Material
- Miller Sands Gill Net Drift Site
- Select Area Fisheries

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