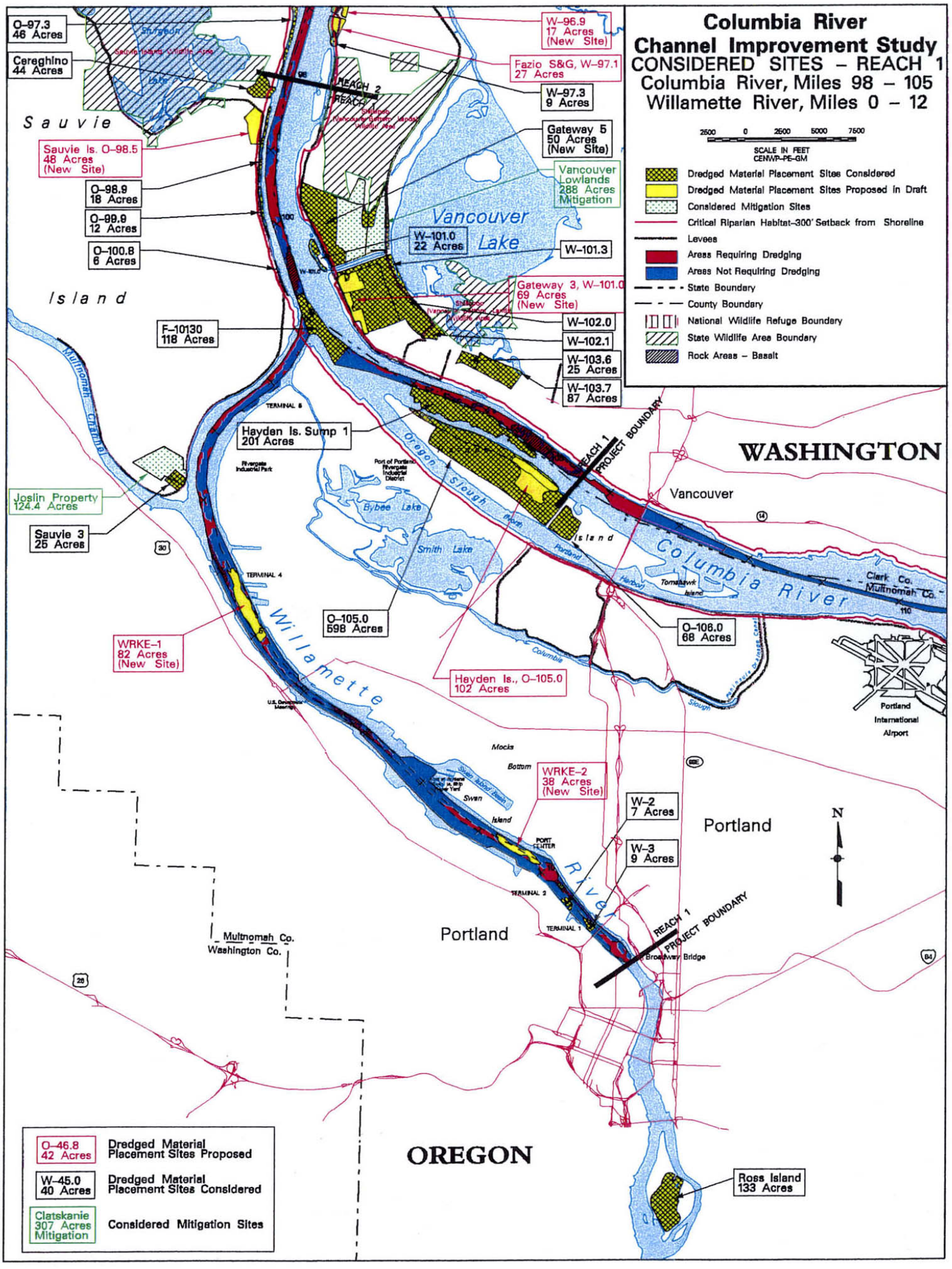
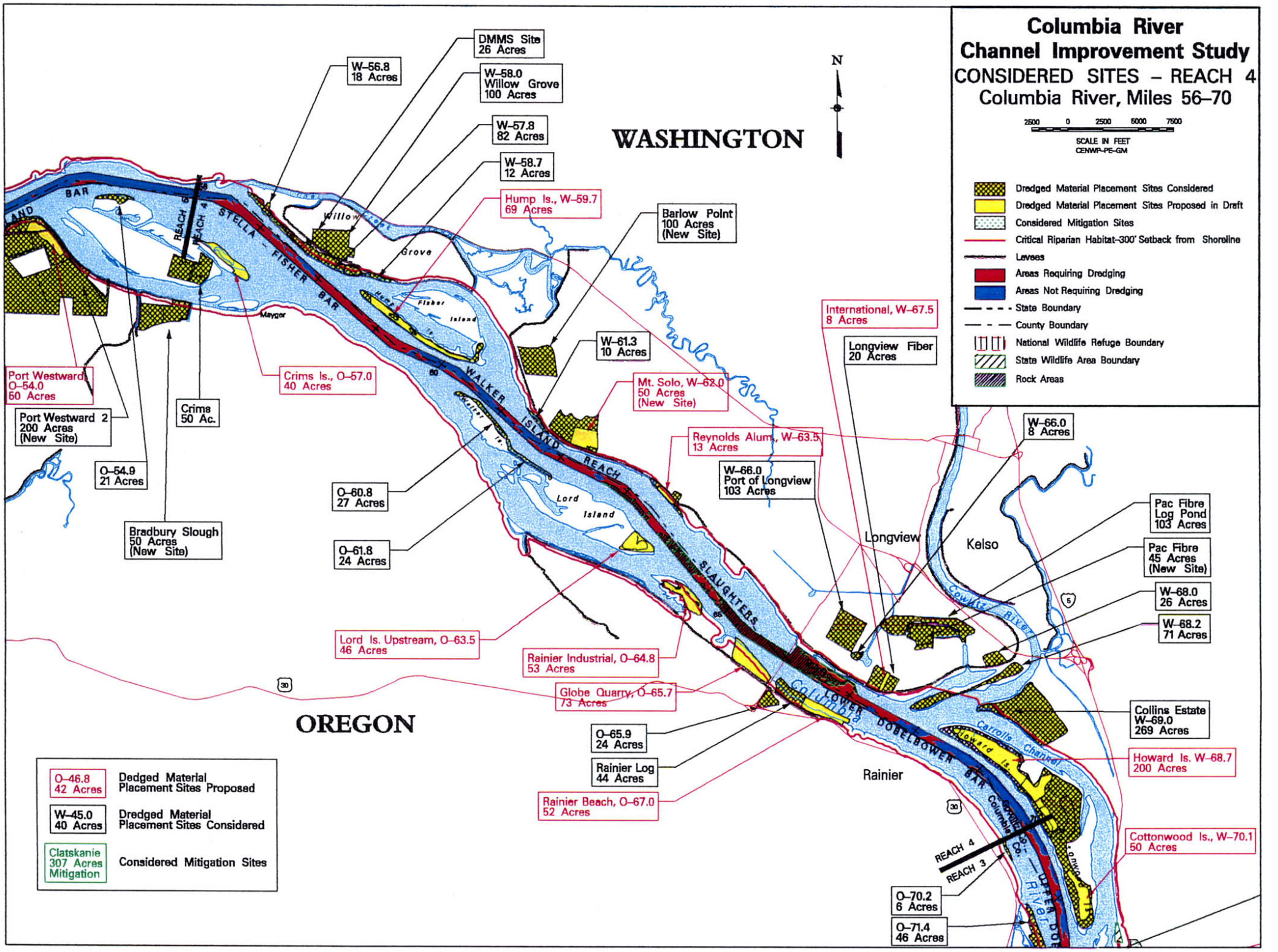
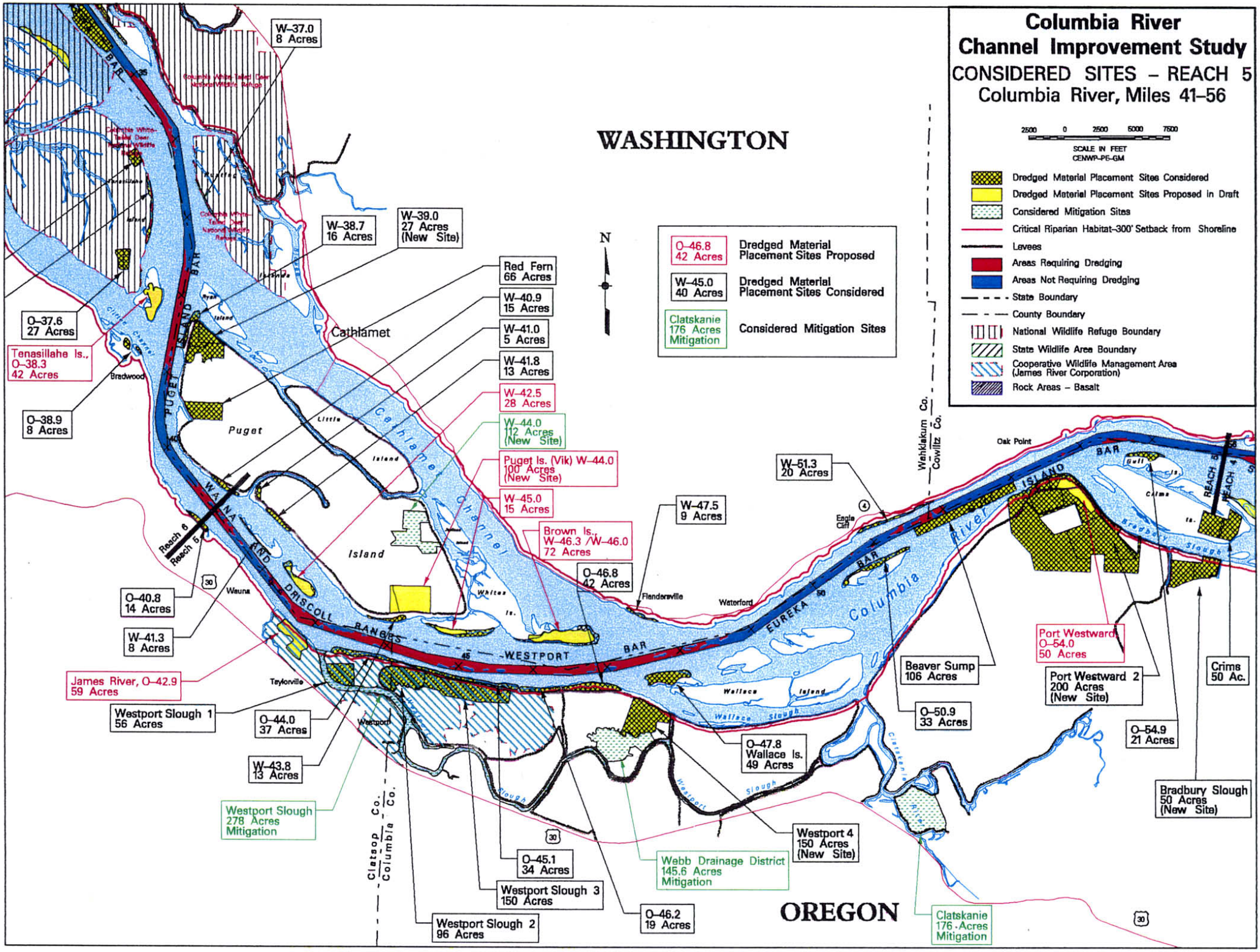
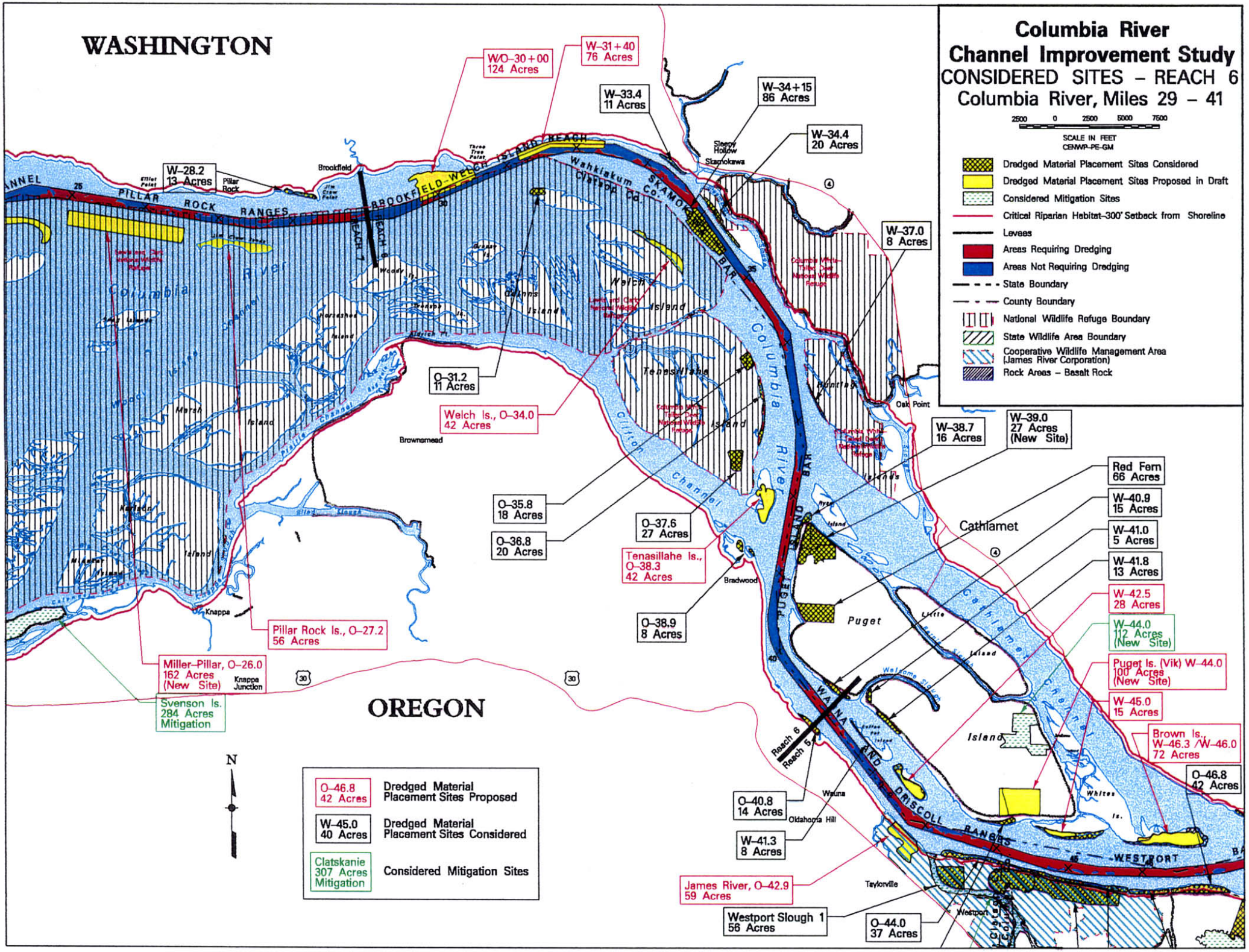

Columbia River
Channel Improvement Study
CONSIDERED SITES – REACH 1
Columbia River, Miles 98 – 105
Willamette River, Miles 0 – 12
2500 0 2500 5000 7500
SCALE IN FEET
CENWP-PE-GM
Dredged Material Placement Sites Considered
Dredged Material Placement Sites Proposed in Draft
Considered Mitigation Sites
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
O-97.3 46 Acres
Cereghino 44 Acres
W-96.9 17 Acres (New Site)
Fazio S&G, W-97.1 27 Acres
W-97.3 9 Acres
Gateway 5 50 Acres (New Site)
Vancouver Lowlands 288 Acres Mitigation
Sauvie Is. O-98.5 48 Acres (New Site)
O-98.9 18 Acres
O-99.9 12 Acres
O-100.8 6 Acres
W-101.0 22 Acres
W-101.3
Gateway 3, W-101.0 69 Acres (New Site)
W-102.0
W-102.1
W-103.6 25 Acres
W-103.7 87 Acres
F-10130 118 Acres
Hayden Is. Sump 1 201 Acres
Joslin Property 124.4 Acres
Sauvie 3 25 Acres
WRKE-1 82 Acres (New Site)
O-105.0 598 Acres
Hayden Is., O-105.0 102 Acres
O-106.0 68 Acres
WRKE-2 38 Acres (New Site)
W-2 7 Acres
W-3 9 Acres
Ross Island 133 Acres
REACH 1 PROJECT BOUNDARY
REACH 2
Sauvie Island
Vancouver Lake
Bybee Lake
Smith Lake
Oregon Slough
Columbia River
Willamette River
Multnomah Channel
Swan Island
Mocks Bottom
Tomahawk Island
Hardy Island
Portland International Airport
Broadway Bridge
Port Center
Terminal 1
Terminal 2
Terminal 4
Terminal 6
Rivergate Industrial Park
Port of Portland Rivergate Industrial District
Clark Co.
Multnomah Co.
Washington Co.
WASHINGTON
OREGON
Vancouver
Portland
N
O-46.8 42 Acres Dredged Material Placement Sites Proposed
W-45.0 40 Acres Dredged Material Placement Sites Considered
Clatskanie 307 Acres Mitigation Considered Mitigation Sites



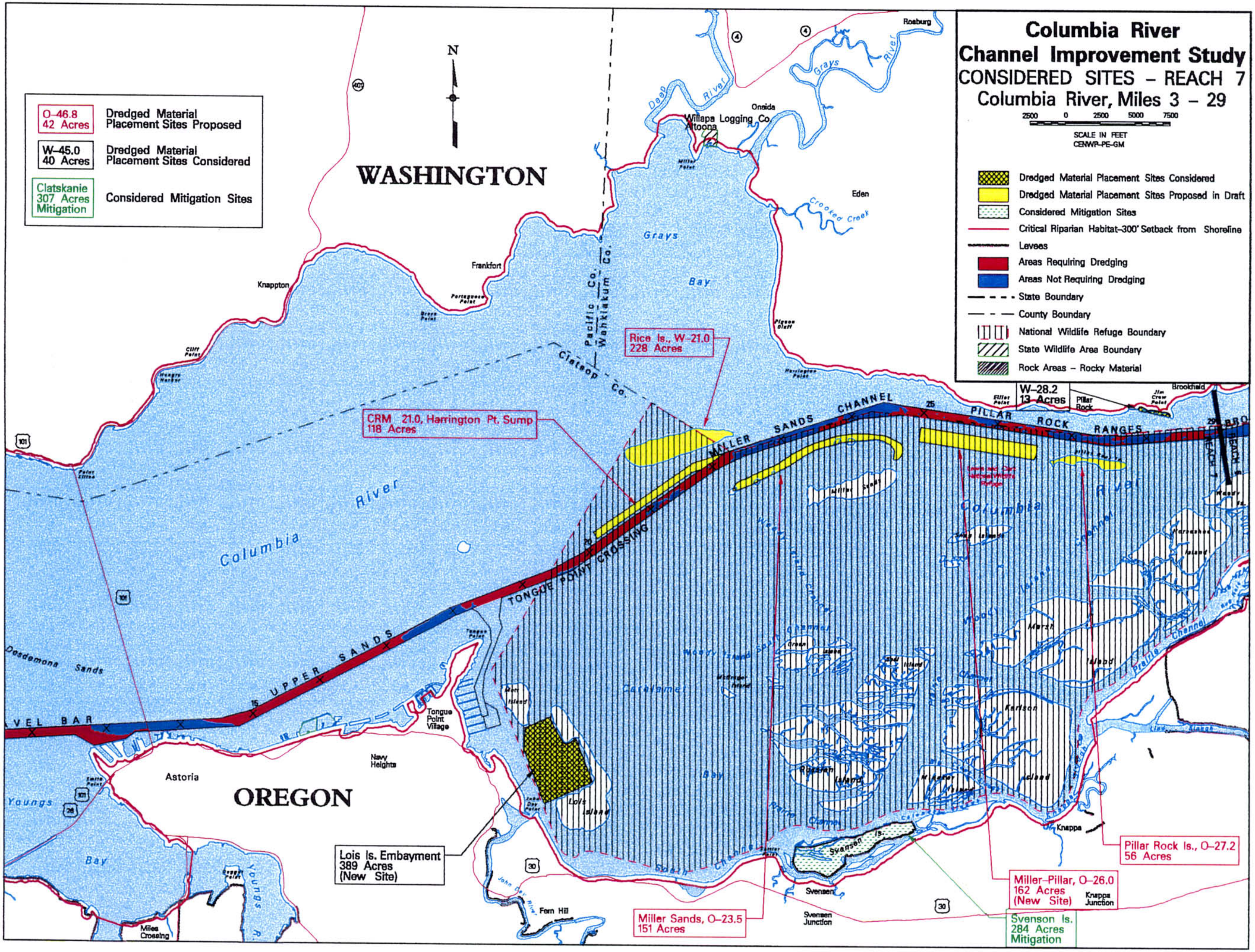
Columbia River
Channel Improvement Study
CONSIDERED SITES – REACH 4
Columbia River, Miles 56–70
2500 0 2500 5000 7500
SCALE IN FEET
CENWP-PE-GM
Dredged Material Placement Sites Considered
Dredged Material Placement Sites Proposed in Draft
Considered Mitigation Sites
Critical Riparian Habitat-300' Setback from Shoreline
Levees
Areas Requiring Dredging
Areas Not Requiring Dredging
State Boundary
County Boundary
National Wildlife Refuge Boundary
State Wildlife Area Boundary
Rock Areas
WASHINGTON
OREGON
N
DMMS Site 26 Acres
W-56.8 18 Acres
W-58.0 Willow Grove 100 Acres
W-57.8 82 Acres
W-58.7 12 Acres
Hump Is., W-59.7 69 Acres
Barlow Point 100 Acres (New Site)
W-61.3 10 Acres
Mt. Solo, W-62.0 50 Acres (New Site)
Reynolds Alum., W-63.5 13 Acres
W-66.0 Port of Longview 103 Acres
International, W-67.5 8 Acres
Longview Fiber 20 Acres
W-66.0 8 Acres
Pac Fibre Log Pond 103 Acres
Pac Fibre 45 Acres (New Site)
W-68.0 26 Acres
W-68.2 71 Acres
Collins Estate W-69.0 269 Acres
Howard Is. W-68.7 200 Acres
Cottonwood Is., W-70.1 50 Acres
O-70.2 6 Acres
O-71.4 46 Acres
Port Westward O-54.0 50 Acres
Port Westward 2 200 Acres (New Site)
O-54.9 21 Acres
Crims 50 Ac.
Bradbury Slough 50 Acres (New Site)
Crims Is., O-57.0 40 Acres
O-60.8 27 Acres
O-61.8 24 Acres
Lord Is. Upstream, O-63.5 46 Acres
Rainier Industrial, O-64.8 53 Acres
Globe Quarry, O-65.7 73 Acres
O-65.9 24 Acres
Rainier Log 44 Acres
Rainier Beach, O-67.0 52 Acres
Longview
Kelso
Rainier
Mayger
Willow Grove
Fisher Island
Lord Island
Cowlitz River
Carrolls Channel
Columbia River
STELLA - FISHER BAR
WALKER ISLAND REACH
SLAUGHTERS
LOWER DOBELBOWER BAR
REACH 4
REACH 3
O-46.8 42 Acres Dedged Material Placement Sites Proposed
W-45.0 40 Acres Dredged Material Placement Sites Considered
Clatskanie 307 Acres Mitigation Considered Mitigation Sites



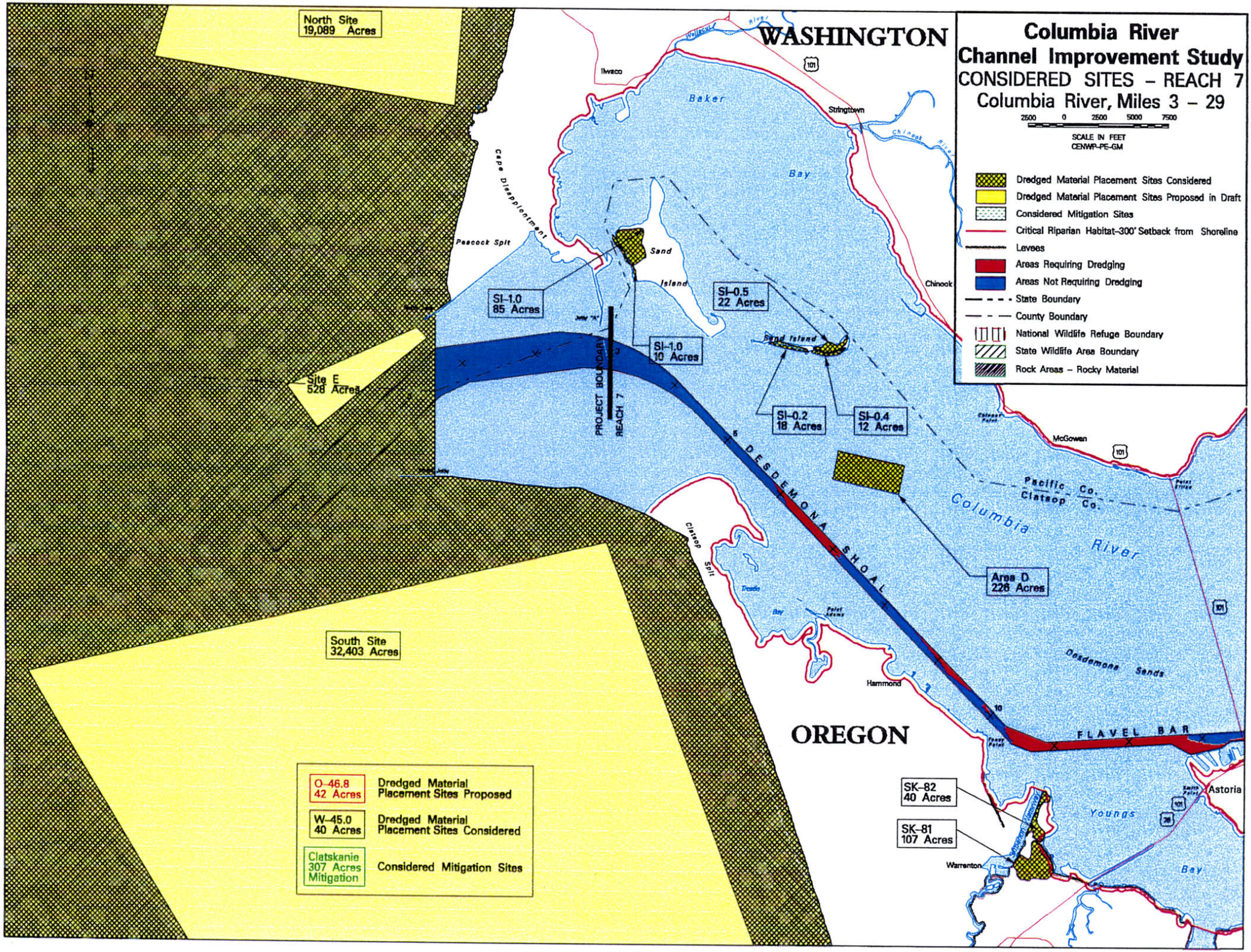
Columbia River
Channel Improvement Study
CONSIDERED SITES – REACH 5
Columbia River, Miles 41–56
2500 0 2500 5000 7500
SCALE IN FEET
CENWP-PE-GM
Dredged Material Placement Sites Considered
Dredged Material Placement Sites Proposed in Draft
Considered Mitigation Sites
Critical Riparian Habitat–300' Setback 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
WASHINGTON
OREGON
N
O–46.8 42 Acres Dredged Material Placement Sites Proposed
W–45.0 40 Acres Dredged Material Placement Sites Considered
Clatskanie 176 Acres Mitigation Considered Mitigation Sites
W–37.0 8 Acres
W–38.7 16 Acres
W–39.0 27 Acres (New Site)
Red Fern 66 Acres
W–40.9 15 Acres
W–41.0 5 Acres
W–41.8 13 Acres
W–42.5 28 Acres
W–44.0 112 Acres (New Site)
Puget Is. (Vik) W–44.0 100 Acres (New Site)
W–45.0 15 Acres
Brown Is., W–46.3 /W–46.0 72 Acres
O–46.8 42 Acres
W–47.5 9 Acres
W–51.3 20 Acres
O–37.6 27 Acres
Tenasillahe Is., O–38.3 42 Acres
O–38.9 8 Acres
O–40.8 14 Acres
W–41.3 8 Acres
James River, O–42.9 59 Acres
Westport Slough 1 56 Acres
O–44.0 37 Acres
W–43.8 13 Acres
Westport Slough 278 Acres Mitigation
O–45.1 34 Acres
Westport Slough 3 150 Acres
Westport Slough 2 96 Acres
O–46.2 19 Acres
Webb Drainage District 145.6 Acres Mitigation
Westport 4 150 Acres (New Site)
O–47.8 Wallace Is. 49 Acres
O–50.9 33 Acres
Beaver Sump 106 Acres
Port Westward O–54.0 50 Acres
Port Westward 2 200 Acres (New Site)
O–54.9 21 Acres
Crims 50 Ac.
Bradbury Slough 50 Acres (New Site)
Clatskanie 176 Acres Mitigation
Cathlamet
Puget
Island
Cathlamet Channel
Columbia River
Wallace Island
Wallace Slough
Westport Slough
Bradbury Slough
Clatskanie River
Bradwood
Wauna
Taylorville
Westport
Flandersville
Waterford
Eagle Cliff
Oak Point
Clatsop Co.
Columbia Co.
Wahkiakum Co.
Cowlitz Co.
Reach 6
Reach 5
Reach 4
PUGET ISLAND BAR
WAUNA AND DRISCOLL RANGES
WESTPORT BAR
EUREKA BAR
ISLAND BAR

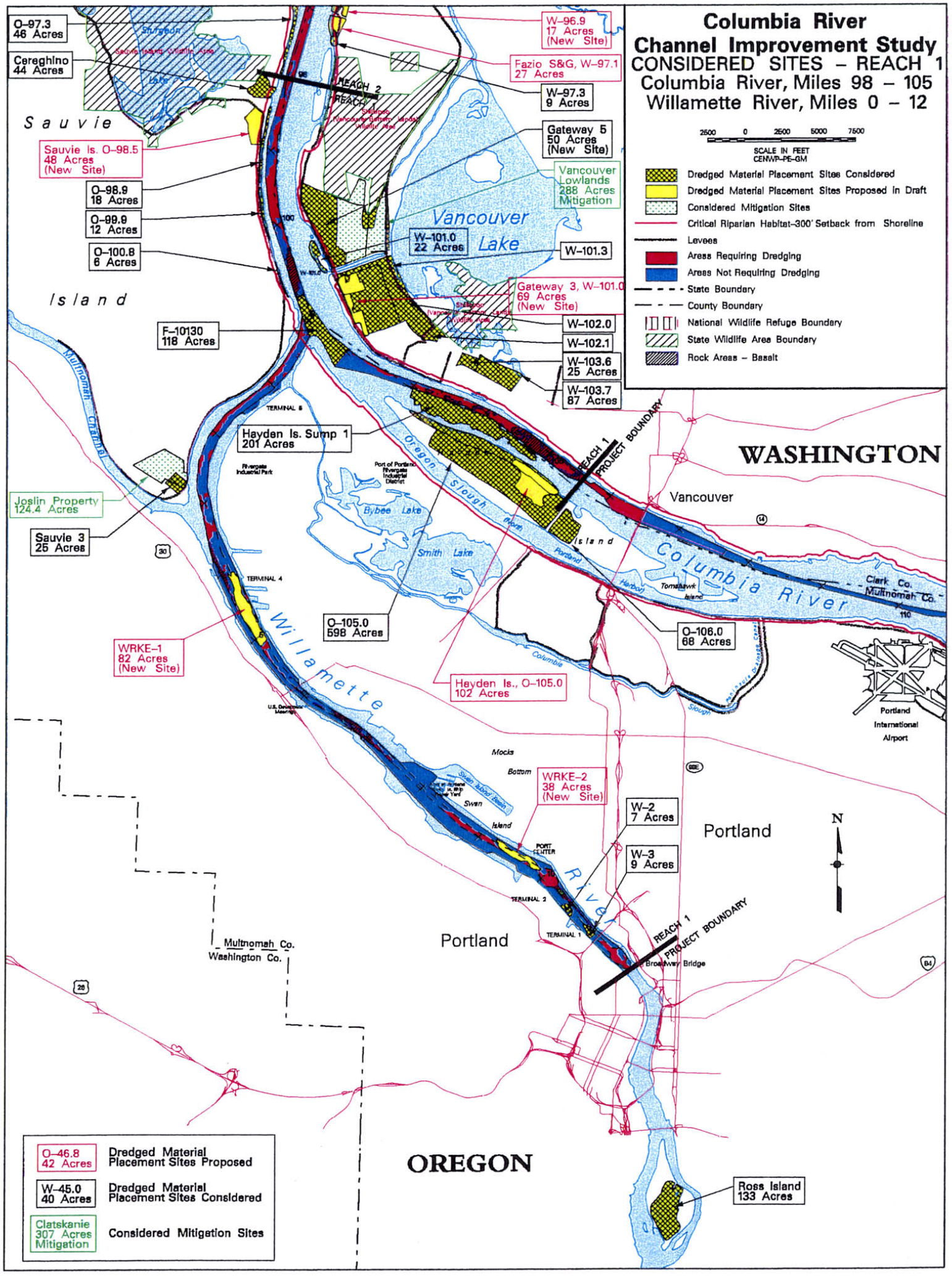


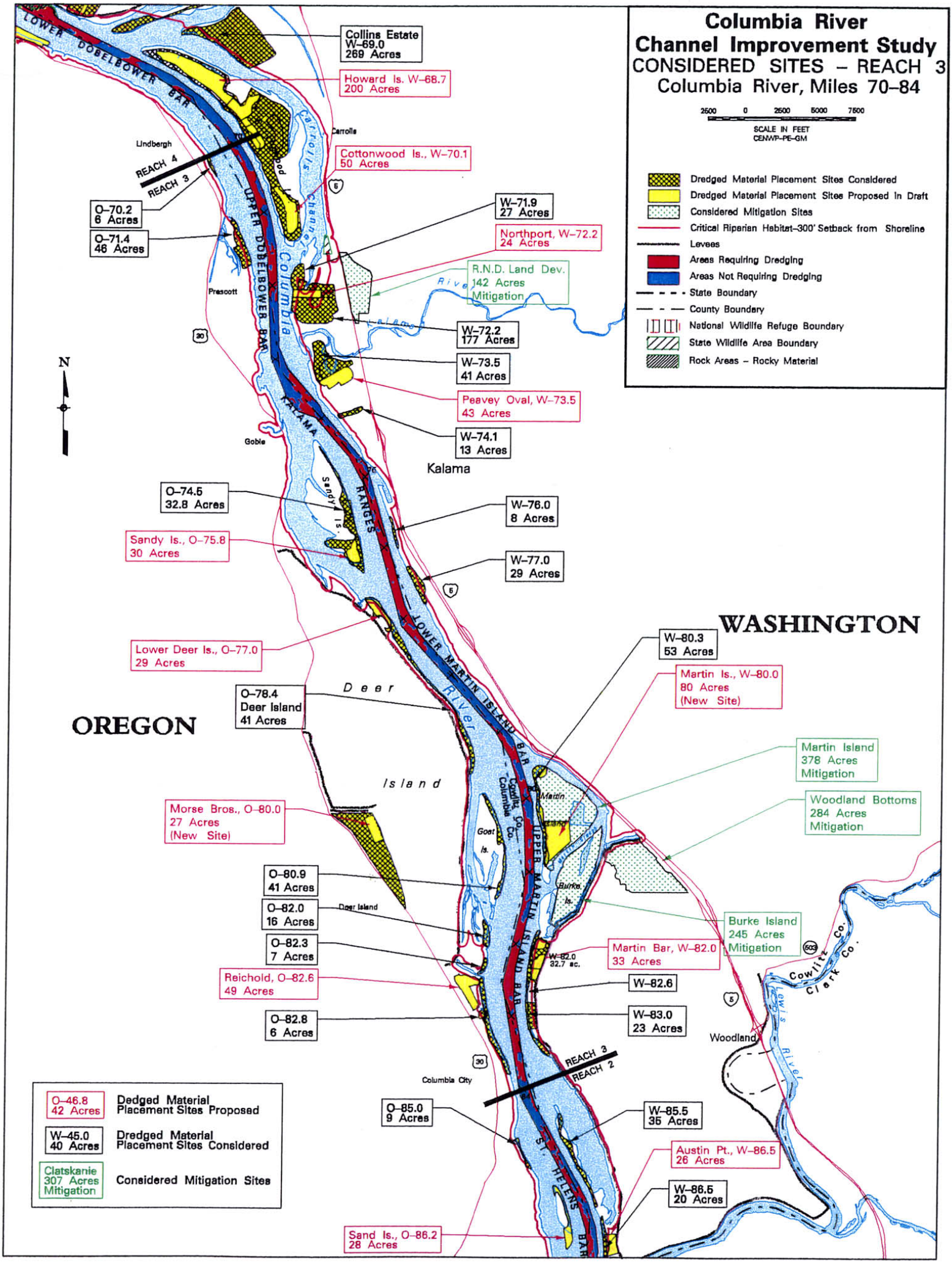
Columbia River
Channel Improvement Study
CONSIDERED SITES – REACH 6
Columbia River, Miles 29 – 41
SCALE IN FEET
CENWP-PE-GM
Dredged Material Placement Sites Considered
Dredged Material Placement Sites Proposed in Draft
Considered Mitigation Sites
Critical Riparian Habitat–300' Setback from Shoreline
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
WASHINGTON
OREGON
W/O–30+00 124 Acres
W–31+40 76 Acres
W–33.4 11 Acres
W–34+15 86 Acres
W–34.4 20 Acres
W–28.2 13 Acres
W–37.0 8 Acres
O–31.2 11 Acres
Welch Is., O–34.0 42 Acres
W–38.7 16 Acres
W–39.0 27 Acres (New Site)
Red Fern 66 Acres
W–40.9 15 Acres
W–41.0 5 Acres
W–41.8 13 Acres
W–42.5 28 Acres
W–44.0 112 Acres (New Site)
Puget Is. (Vik) W–44.0 100 Acres (New Site)
W–45.0 15 Acres
Brown Is., W–46.3 /W–46.0 72 Acres
O–46.8 42 Acres
O–35.8 18 Acres
O–36.8 20 Acres
O–37.6 27 Acres
Tenasillahe Is., O–38.3 42 Acres
O–38.9 8 Acres
Pillar Rock Is., O–27.2 56 Acres
Miller–Pillar, O–26.0 162 Acres (New Site)
Svenson Is. 284 Acres Mitigation
O–40.8 14 Acres
W–41.3 8 Acres
James River, O–42.9 59 Acres
Westport Slough 1 56 Acres
O–44.0 37 Acres
Cathlamet
Columbia River
Clifton Channel
Tenasillahe Island
Welch Island
Puget Island
Brownsmead
Knappa
Knappa Junction
Bradwood
Oak Point
Wauna
Oklahoma Hill
Taylorville
Westport
Pillar Rock
Brookfield
Sleepy Hollow
Skamokawa
Wahkiakum Co.
Clatsop Co.
Pillar Rock Ranges
Brookfield-Welch Island Reach
Skamokawa Bar
Puget Island Bar
Wauna and Driscoll Ranges
Westport
Cathlamet Channel
Reach 6
Reach 5
O–46.8 42 Acres Dredged Material Placement Sites Proposed
W–45.0 40 Acres Dredged Material Placement Sites Considered
Clatskanie 307 Acres Mitigation Considered Mitigation Sites
N

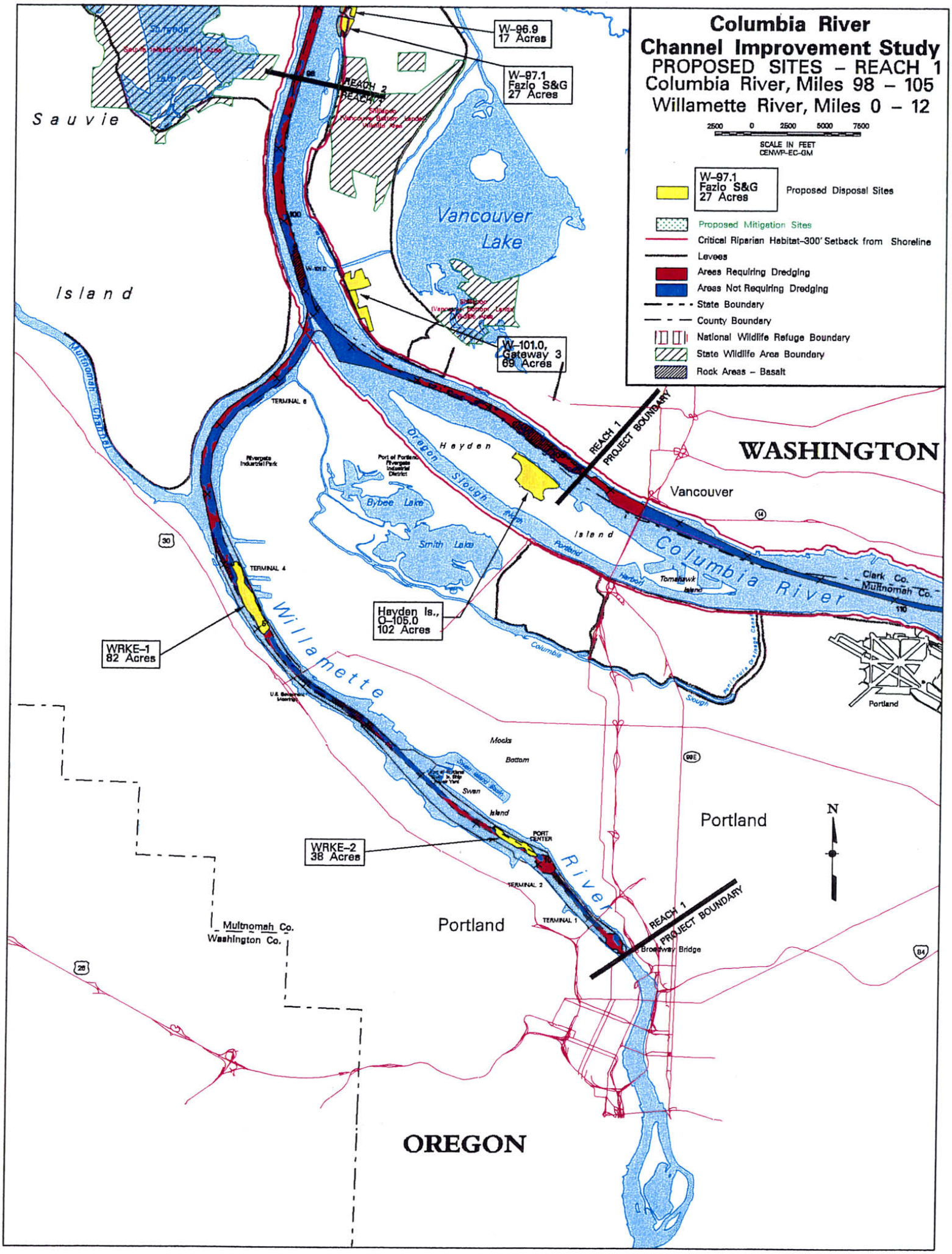


Columbia River
Channel Improvement Study
CONSIDERED SITES – REACH 7
Columbia River, Miles 3 – 29
2500 0 2500 5000 7500
SCALE IN FEET
CENWP-PE-GM
Dredged Material Placement Sites Considered
Dredged Material Placement Sites Proposed in Draft
Considered Mitigation Sites
Critical Riparian Habitat-300' Setback 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
O-46.8 42 Acres
Dredged Material Placement Sites Proposed
W-45.0 40 Acres
Dredged Material Placement Sites Considered
Clatskanie 307 Acres Mitigation
Considered Mitigation Sites
N
WASHINGTON
OREGON
Rice Is., W-21.0 228 Acres
CRM 21.0, Harrington Pt. Sump 118 Acres
W-28.2 13 Acres
Lois Is. Embayment 389 Acres (New Site)
Miller Sands, O-23.5 151 Acres
Miller-Pillar, O-26.0 162 Acres (New Site)
Pillar Rock Is., O-27.2 56 Acres
Svenson Is. 284 Acres Mitigation
PILLAR ROCK RANGES
MILLER SANDS CHANNEL
TONGUE POINT CROSSING
UPPER SANDS
REACH 7
REACH 6
Grays Bay
Columbia River
Pacific Co.
Wahkiakum Co.
Clatsop Co.
Deep River
Grays River
Crooked Creek
Willapa Logging Co.
Altoona
Oneida
Eden
Rosburg
Frankfort
Knappton
Astoria
Navy Heights
Tongue Point Village
Svensen
Svensen Junction
Knappa
Knappa Junction
Fern Hill
Brookfield
Miles Crossing
Desdemona Sands
Youngs Bay
Youngs R.
John Day River
Cathlamet Bay
Lois Island
Svensen Is.
Pillar Rock

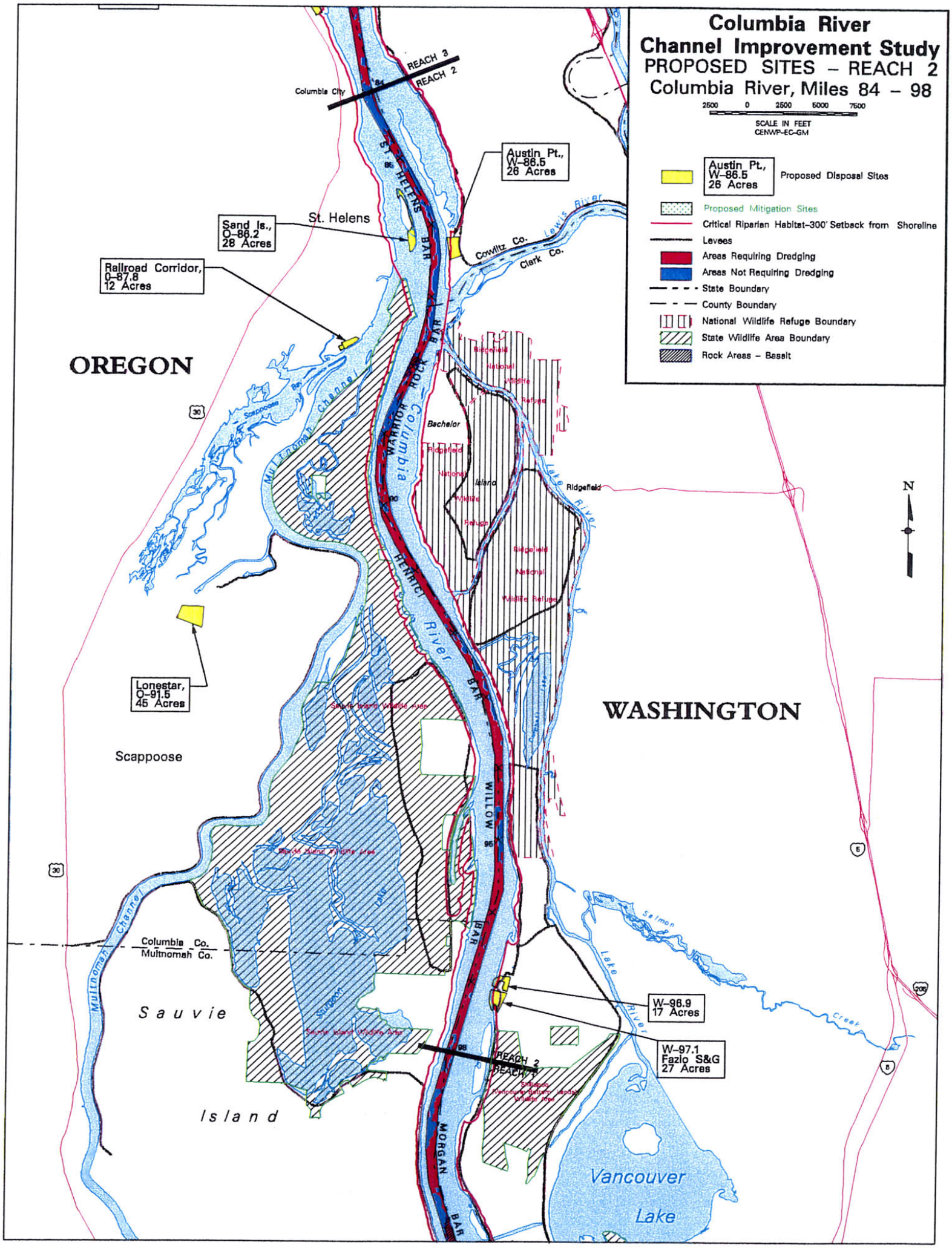

Columbia River
Channel Improvement Study
CONSIDERED SITES – REACH 7
Columbia River, Miles 3 – 29
2500 0 2500 5000 7500
SCALE IN FEET
CENWP-PE-GM
Dredged Material Placement Sites Considered
Dredged Material Placement Sites Proposed in Draft
Considered Mitigation Sites
Critical Riparian Habitat-300' Setback 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
WASHINGTON
OREGON
North Site
19,089 Acres
South Site
32,403 Acres
Site E
528 Acres
SI-1.0
85 Acres
SI-1.0
10 Acres
SI-0.5
22 Acres
SI-0.2
18 Acres
SI-0.4
12 Acres
Area D
226 Acres
SK-82
40 Acres
SK-81
107 Acres
PROJECT BOUNDARY
REACH 7
DESDEMONA SHOAL
FLAVEL BAR
Baker Bay
Sand Island
Sand Island
Peacock Spit
Cape Disappointment
Clatsop Spit
Ilwaco
Stringtown
Chinook
McGowen
Hammond
Warrenton
Astoria
Youngs Bay
Desdemona Sands
Columbia River
Pacific Co.
Clatsop Co.
O-46.8
42 Acres
Dredged Material Placement Sites Proposed
W-45.0
40 Acres
Dredged Material Placement Sites Considered
Clatskanie
307 Acres
Mitigation
Considered Mitigation Sites

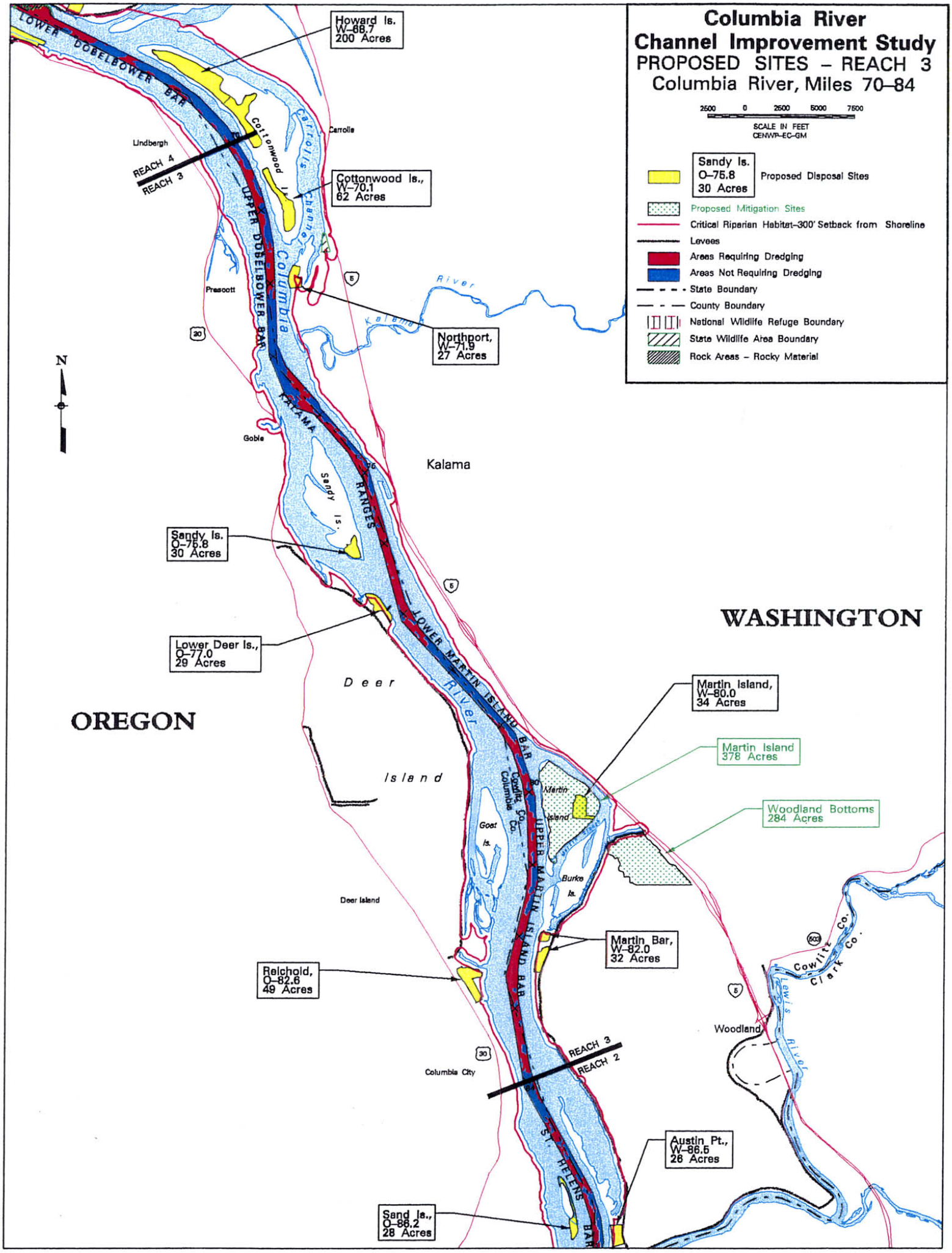

Columbia River
Channel Improvement Study
CONSIDERED SITES – REACH 1
Columbia River, Miles 98 – 105
Willamette River, Miles 0 – 12
2500 0 2500 5000 7500
SCALE IN FEET
CENWP-PE-GM
Dredged Material Placement Sites Considered
Dredged Material Placement Sites Proposed In Draft
Considered Mitigation Sites
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
O–97.3 46 Acres
Cereghino 44 Acres
W–96.9 17 Acres (New Site)
Fazio S&G, W–97.1 27 Acres
W–97.3 9 Acres
Gateway 5 50 Acres (New Site)
Vancouver Lowlands 288 Acres Mitigation
Sauvie Is. O–98.5 48 Acres (New Site)
O–98.9 18 Acres
O–99.9 12 Acres
O–100.8 6 Acres
W–101.0 22 Acres
W–101.3
Gateway 3, W–101.0 69 Acres (New Site)
W–102.0
W–102.1
W–103.6 25 Acres
W–103.7 87 Acres
F–10130 118 Acres
Hayden Is. Sump 1 201 Acres
Joslin Property 124.4 Acres
Sauvie 3 25 Acres
O–105.0 598 Acres
WRKE–1 82 Acres (New Site)
Hayden Is., O–105.0 102 Acres
O–106.0 68 Acres
WRKE–2 38 Acres (New Site)
W–2 7 Acres
W–3 9 Acres
Ross Island 133 Acres
REACH 1 PROJECT BOUNDARY
REACH 2
Sauvie Island
Vancouver Lake
Multnomah Channel
Oregon Slough
Bybee Lake
Smith Lake
Columbia River
Willamette River
Tomahawk Island
Swan Island
Mocks Bottom
Vancouver
Portland
WASHINGTON
OREGON
Multnomah Co.
Washington Co.
Clark Co.
Portland International Airport
Broadway Bridge
TERMINAL 1
TERMINAL 2
TERMINAL 4
TERMINAL 5
PORT CENTER
Rivergate Industrial Park
Port of Portland Rivergate Industrial District
N
O–46.8 42 Acres Dredged Material Placement Sites Proposed
W–45.0 40 Acres Dredged Material Placement Sites Considered
Clatskanie 307 Acres Mitigation Considered Mitigation Sites


Columbia River
Channel Improvement Study
CONSIDERED SITES – REACH 3
Columbia River, Miles 70–84
2500 0 2500 5000 7500
SCALE IN FEET
CENWP-PE-GM
Dredged Material Placement Sites Considered
Dredged Material Placement Sites Proposed In Draft
Considered 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
N
WASHINGTON
OREGON
LOWER DOBELBOWER BAR
UPPER DOBELBOWER BAR
FALAMA RANGES
LOWER MARTIN ISLAND BAR
UPPER MARTIN ISLAND BAR
ST. HELENS BAR
Columbia River
Deer Island
Lewis River
Lindbergh
Carrolls
Prescott
Goble
Kalama
Columbia City
Woodland
Cowlitz Co.
Clark Co.
REACH 4
REACH 3
REACH 2
Collins Estate W-69.0 269 Acres
Howard Is. W-68.7 200 Acres
Cottonwood Is., W-70.1 50 Acres
O-70.2 6 Acres
O-71.4 46 Acres
W-71.9 27 Acres
Northport, W-72.2 24 Acres
R.N.D. Land Dev. 142 Acres Mitigation
W-72.2 177 Acres
W-73.5 41 Acres
Peavey Oval, W-73.5 43 Acres
W-74.1 13 Acres
O-74.5 32.8 Acres
W-76.0 8 Acres
Sandy Is., O-75.8 30 Acres
W-77.0 29 Acres
Lower Deer Is., O-77.0 29 Acres
W-80.3 53 Acres
Martin Is., W-80.0 80 Acres (New Site)
O-78.4 Deer Island 41 Acres
Martin Island 378 Acres Mitigation
Woodland Bottoms 284 Acres Mitigation
Morse Bros., O-80.0 27 Acres (New Site)
O-80.9 41 Acres
O-82.0 16 Acres
O-82.3 7 Acres
Burke Island 245 Acres Mitigation
Martin Bar, W-82.0 33 Acres
Reichold, O-82.6 49 Acres
W-82.6
O-82.8 6 Acres
W-83.0 23 Acres
O-85.0 9 Acres
W-85.5 35 Acres
Austin Pt., W-86.5 26 Acres
W-86.5 20 Acres
Sand Is., O-86.2 28 Acres
O-46.8 42 Acres Dedged Material Placement Sites Proposed
W-45.0 40 Acres Dredged Material Placement Sites Considered
Clatskanie 307 Acres Mitigation Considered Mitigation Sites

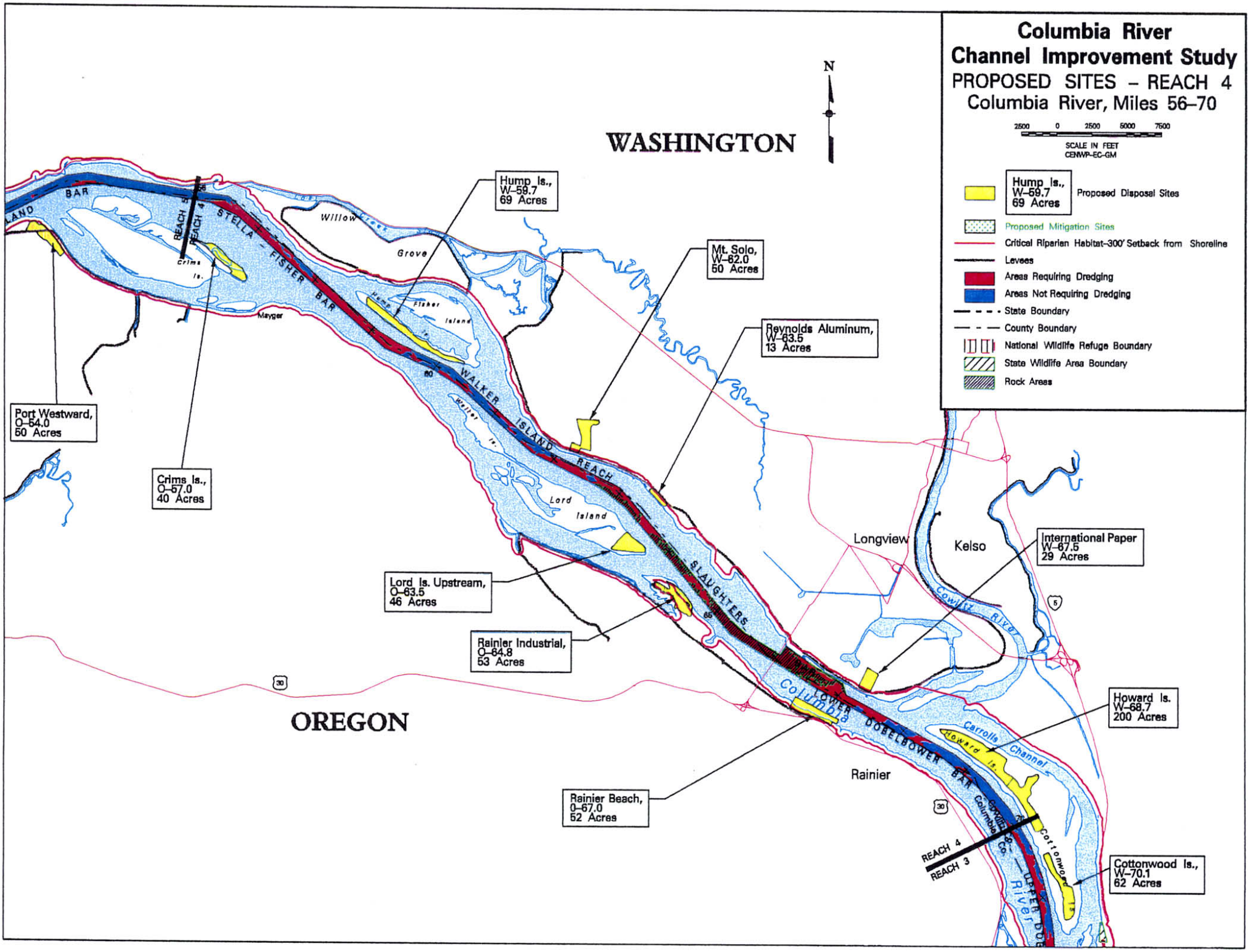


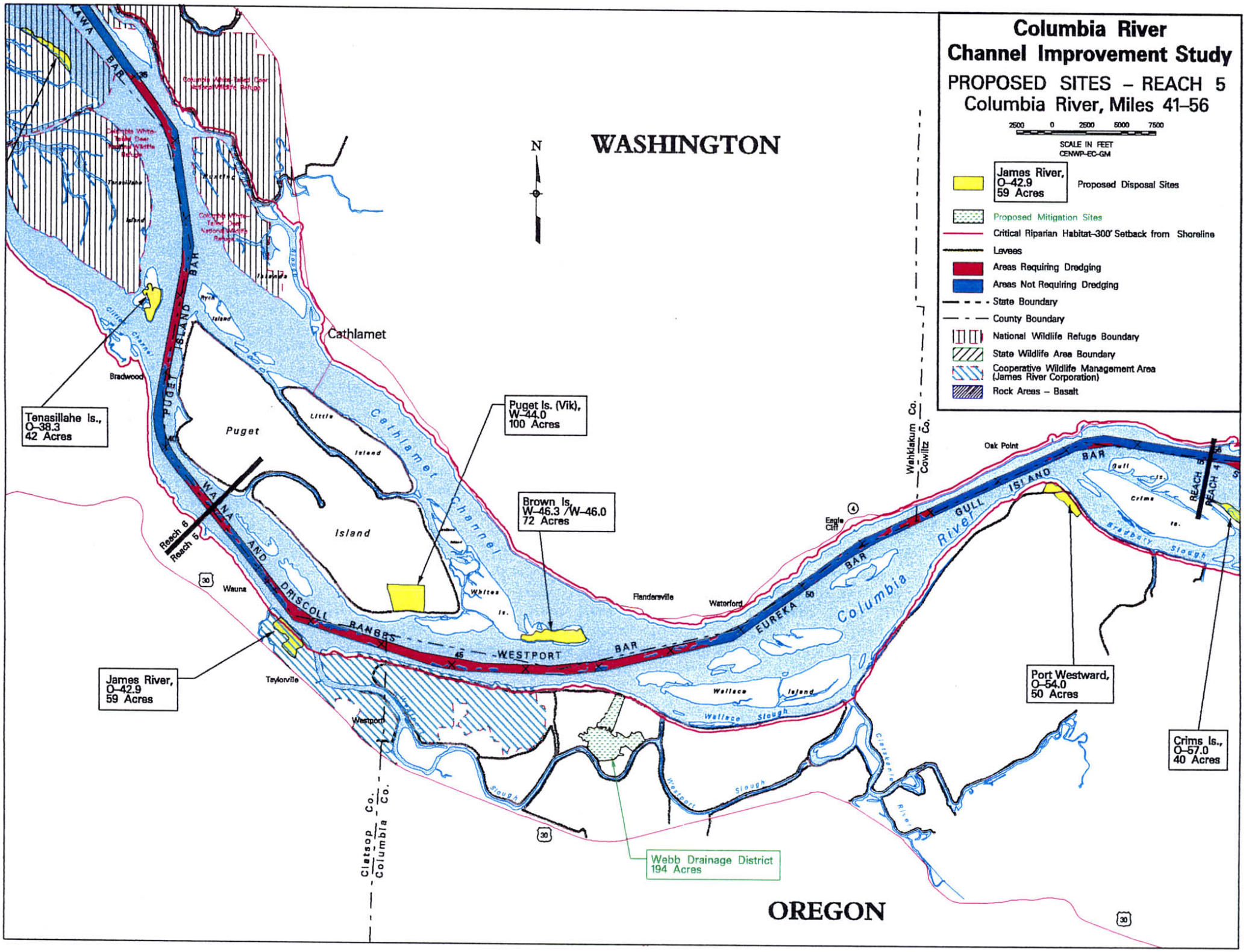
Columbia River
Channel Improvement Study
PROPOSED SITES – REACH 1
Columbia River, Miles 98 – 105
Willamette River, Miles 0 – 12
2500 0 2500 5000 7500
SCALE IN FEET
CENWP-EC-GM
W-97.1
Fazio S&G
27 Acres
Proposed Disposal Sites
Proposed Mitigation Sites
Critical Riparian Habitat-300' Setback from Shoreline
Levees
Areas Requiring Dredging
Areas Not Requiring Dredging
State Boundary
County Boundary
National Wildlife Refuge Boundary
State Wildlife Area Boundary
Rock Areas – Basalt
W-96.9
17 Acres
W-97.1
Fazio S&G
27 Acres
REACH 2
REACH 1
Sauvie
Island
Vancouver
Lake
W-101.0,
Gateway 3
69 Acres
Multnomah Channel
TERMINAL 6
Rivergate Industrial Park
Port of Portland Rivergate Industrial District
Bybee Lake
Smith Lake
Oregon Slough
Hayden
Island
REACH 1
PROJECT BOUNDARY
WASHINGTON
Vancouver
Columbia River
Clark Co.
Multnomah Co.
Tomahawk Island
Portland Harbor
Columbia Slough
Peninsula Drainage Canal
TERMINAL 4
Hayden Is.,
O-105.0
102 Acres
WRKE-1
82 Acres
Willamette
Mocks
Bottom
Swan
Island
PORT CENTER
WRKE-2
38 Acres
TERMINAL 2
TERMINAL 1
River
Portland
Portland
Multnomah Co.
Washington Co.
Broadway Bridge
OREGON
N


Columbia River
Channel Improvement Study
PROPOSED SITES – REACH 2
Columbia River, Miles 84 – 98
2500 0 2500 5000 7500
SCALE IN FEET
CENWP-EC-GM
Austin Pt., W-86.5 26 Acres
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
REACH 3
REACH 2
Columbia City
ST. HELENS BAR
Austin Pt., W-86.5 26 Acres
St. Helens
Sand Is., O-86.2 28 Acres
Railroad Corridor, O-87.8 12 Acres
Cowlitz Co.
Clark Co.
Lewis River
OREGON
WARRIOR ROCK BAR
Columbia River
Multnomah Channel
Scappoose Bay
Bachelor Island
Ridgefield National Wildlife Refuge
Ridgefield
Lake River
HERMAN BAR
Lonestar, O-91.5 45 Acres
WASHINGTON
Scappoose
WILLOW BAR
Sauvie Island Wildlife Area
Lake
Columbia Co.
Multnomah Co.
Multnomah Channel
Sauvie
Island
Salmon Creek
W-96.9 17 Acres
W-97.1 Fazio S&G 27 Acres
REACH 2
REACH 1
MORGAN BAR
Vancouver Lake
N

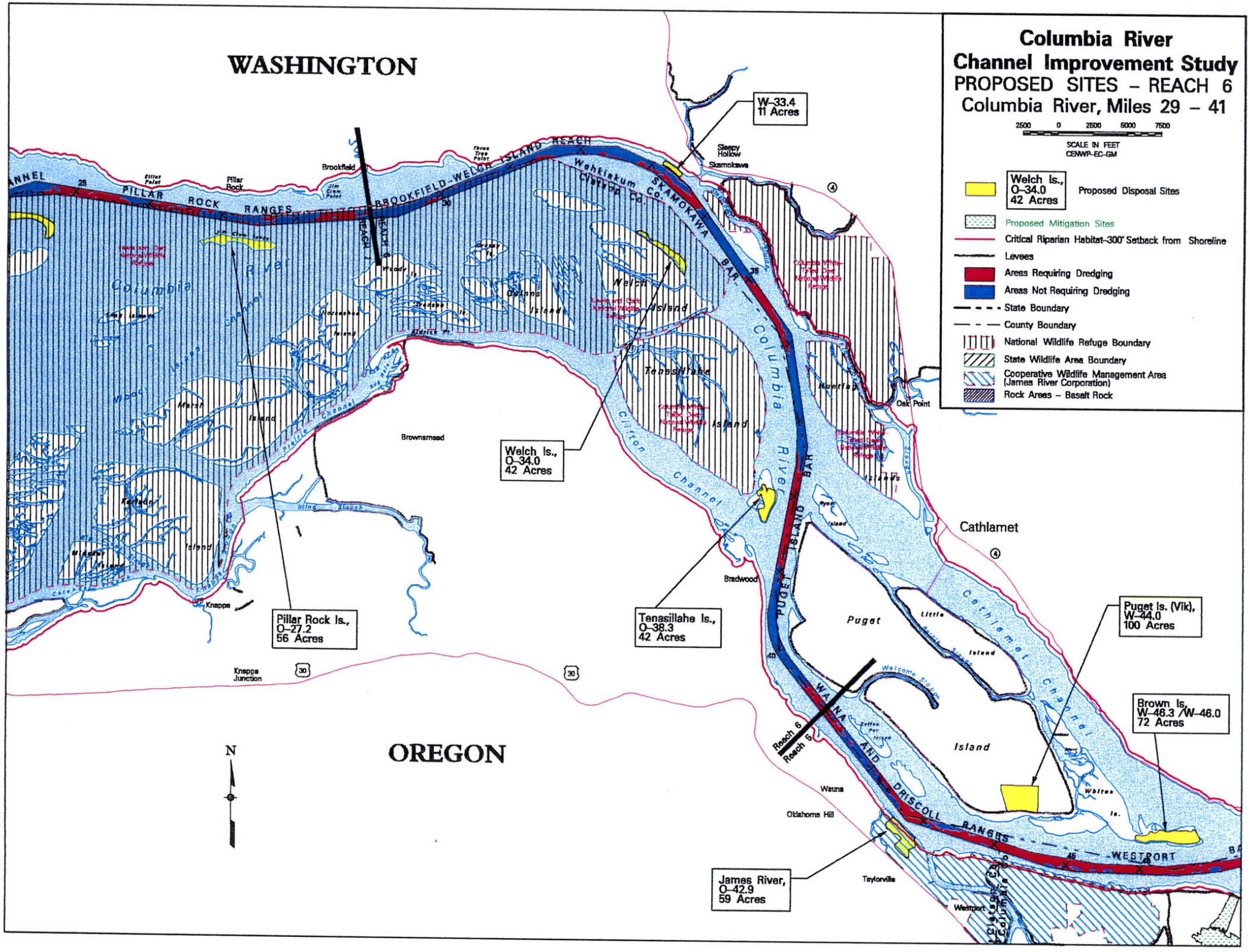


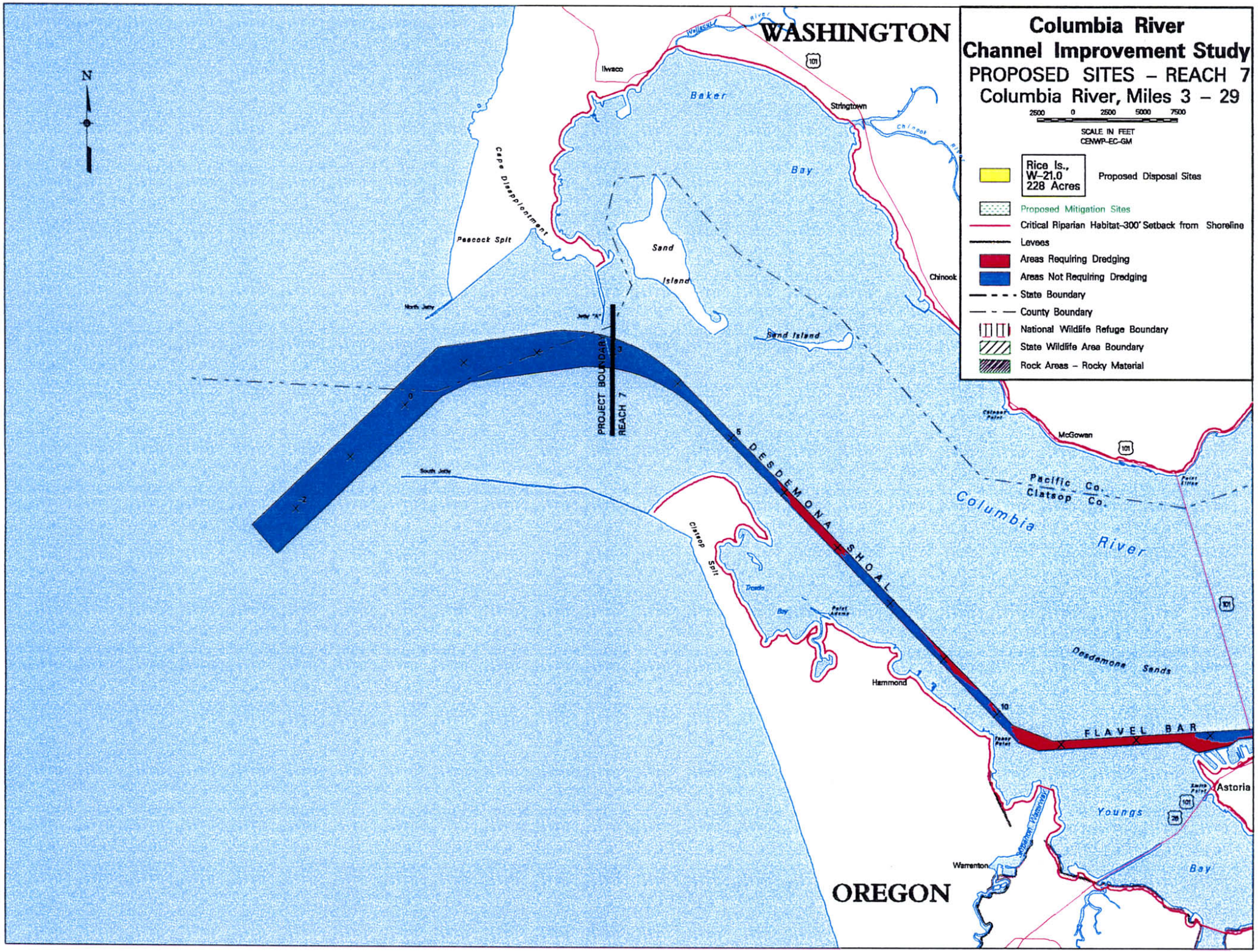
Columbia River
Channel Improvement Study
PROPOSED SITES – REACH 3
Columbia River, Miles 70–84
2500 0 2500 5000 7500
SCALE IN FEET
CENWP-EC-GM
Sandy Is. O–75.8 30 Acres
Proposed Disposal Sites
Proposed Mitigation Sites
Critical Riparian Habitat–300' Setback from Shoreline
Levees
Areas Requiring Dredging
Areas Not Requiring Dredging
State Boundary
County Boundary
National Wildlife Refuge Boundary
State Wildlife Area Boundary
Rock Areas – Rocky Material
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, W–80.0 34 Acres
Martin Island 378 Acres
Woodland Bottoms 284 Acres
Martin Bar, W–82.0 32 Acres
Reichold, O–82.6 49 Acres
Austin Pt., W–86.5 26 Acres
Sand Is., O–86.2 28 Acres
LOWER DOBELBOWER BAR
UPPER DOBELBOWER BAR
KALAMA RANGES
LOWER MARTIN ISLAND BAR
UPPER MARTIN ISLAND BAR
ST. HELENS BAR
REACH 4
REACH 3
REACH 2
Lindbergh
Carrolls
Prescott
Goble
Kalama
Deer Island
Columbia City
Woodland
Cottonwood Is.
Carrolls Channel
Columbia River
Kalama River
Sandy Is.
Martin Island
Goat Is.
Burke Is.
Cowlitz Co.
Columbia Co.
Cowlitz Co.
Clark Co.
Lewis River
WASHINGTON
OREGON
N

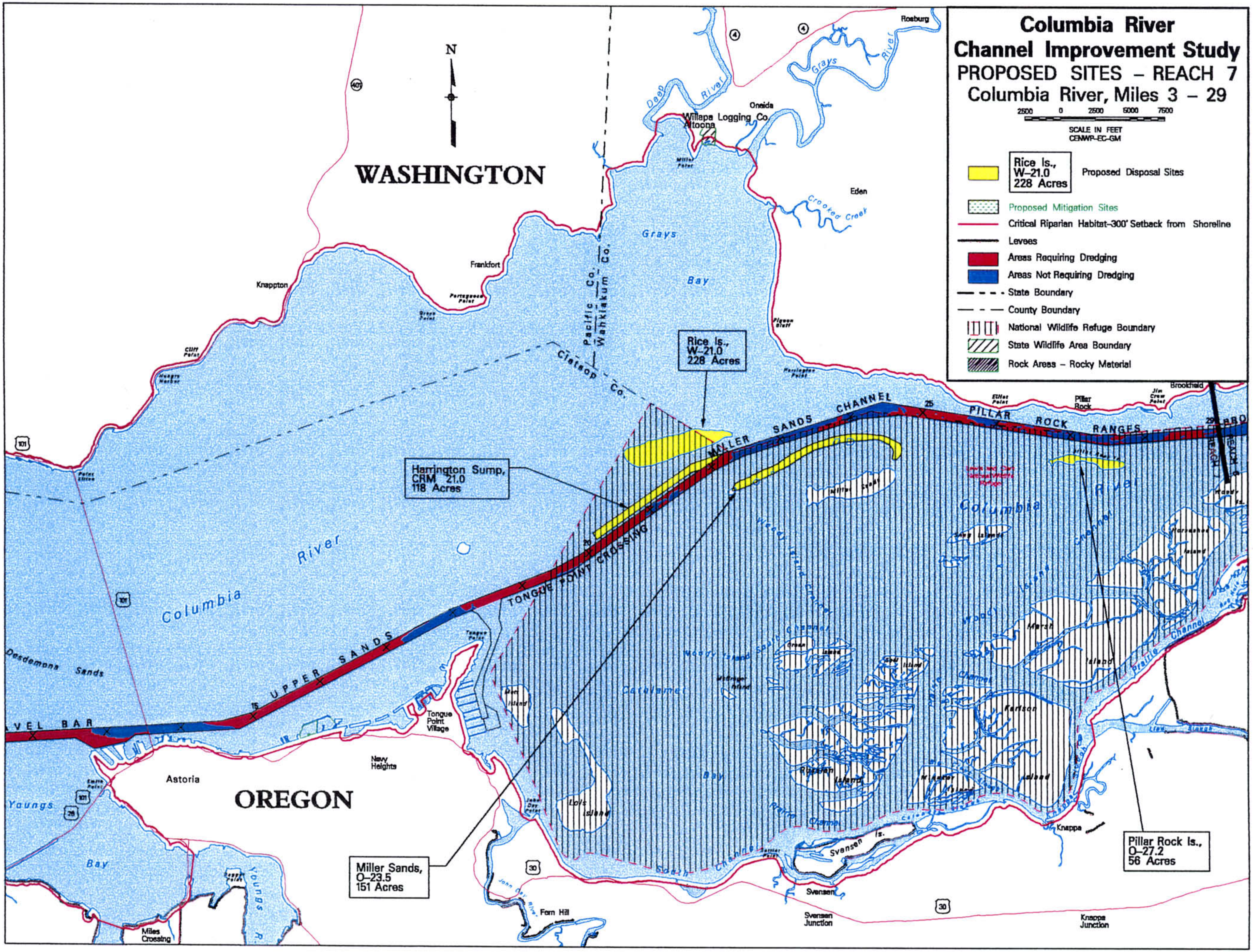

Columbia River
Channel Improvement Study
PROPOSED SITES – REACH 4
Columbia River, Miles 56–70
2500 0 2500 5000 7500
SCALE IN FEET
CENWP-EC-GM
Hump Is., W-59.7 69 Acres
Proposed Disposal Sites
Proposed Mitigation Sites
Critical Riparian Habitat-300' Setback from Shoreline
Levees
Areas Requiring Dredging
Areas Not Requiring Dredging
State Boundary
County Boundary
National Wildlife Refuge Boundary
State Wildlife Area Boundary
Rock Areas
N
WASHINGTON
OREGON
Hump Is., W-59.7 69 Acres
Mt. Solo, W-62.0 50 Acres
Reynolds Aluminum, W-63.5 13 Acres
Port Westward, O-54.0 50 Acres
Crims Is., O-57.0 40 Acres
Lord Is. Upstream, O-63.5 46 Acres
Rainier Industrial, O-64.8 53 Acres
Rainier Beach, O-67.0 52 Acres
International Paper W-67.5 29 Acres
Howard Is. W-68.7 200 Acres
Cottonwood Is., W-70.1 62 Acres
REACH 4
REACH 3
STELLA - FISHER BAR
WALKER ISLAND REACH
SLAUGHTERS
LOWER DOBELBOWER BAR
Willow Grove
Mayger
Fisher Island
Lord Island
Longview
Kelso
Rainier
Cowlitz River
Columbia River
Carrolls Channel
Howard Is.
Cottonwood Is.
Crims Is.
Hump Is.
Walker Is.



Columbia River
Channel Improvement Study
PROPOSED SITES – REACH 5
Columbia River, Miles 41–56
2500 0 2500 5000 7500
SCALE IN FEET
CENWP-EC-GM
James River, O–42.9 59 Acres
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
WASHINGTON
OREGON
N
Cathlamet
Puget Island
Cathlamet Channel
Little Island
Whites Is.
Bradwood
Wauna
Taylorville
Westport
Flandersville
Waterford
Eagle Cliff
Oak Point
Wallace Island
Wallace Slough
Westport Slough
Clatskanie River
Columbia River
Gull Is.
Crims Is.
Bradbury Slough
PUGET ISLAND BAR
WAUNA AND DRISCOLL RANGES
WESTPORT BAR
EUREKA BAR
GULL ISLAND BAR
Reach 6
Reach 5
REACH 5
REACH 4
Tenasillahe Is., O–38.3 42 Acres
Puget Is. (Vik), W–44.0 100 Acres
Brown Is. W–46.3 /W–46.0 72 Acres
James River, O–42.9 59 Acres
Webb Drainage District 194 Acres
Port Westward, O–54.0 50 Acres
Crims Is., O–57.0 40 Acres
Wahkiakum Co.
Cowlitz Co.
Clatsop Co.
Columbia Co.


Columbia River
Channel Improvement Study
PROPOSED SITES – REACH 6
Columbia River, Miles 29 – 41
2500 0 2500 5000 7500
SCALE IN FEET
CENWP-EC-GM
Welch Is., O-34.0 42 Acres
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
WASHINGTON
OREGON
W-33.4 11 Acres
Welch Is., O-34.0 42 Acres
Pillar Rock Is., O-27.2 56 Acres
Tenasillahe Is., O-38.3 42 Acres
Puget Is. (Vik), W-44.0 100 Acres
Brown Is. W-46.3 /W-46.0 72 Acres
James River, O-42.9 59 Acres
PILLAR ROCK RANGES
BROOKFIELD-WELCH ISLAND REACH
SKAMOKAWA BAR
PUGET ISLAND BAR
WAUNA AND DRISCOLL RANGES
WESTPORT
Columbia River
Clifton Channel
Cathlamet Channel
Welch Island
Tenasillahe Island
Puget Island
Brookfield
Pillar Rock
Brownsmead
Knappa
Knappa Junction
Bradwood
Cathlamet
Oak Point
Sleepy Hollow
Skamokawa
Wauna
Oklahoma Hill
Taylorville
Westport
Reach 6
Reach 5
N


Columbia River
Channel Improvement Study
PROPOSED SITES – REACH 7
Columbia River, Miles 3 – 29
2500 0 2500 5000 7500
SCALE IN FEET
CENWP-EC-GM
Rice Is., W-21.0 228 Acres
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
WASHINGTON
OREGON
N
Ilwaco
Stringtown
Baker
Bay
Cape Disappointment
Peacock Spit
Sand
Island
Chinook
Sand Island
North Jetty
Jetty "A"
PROJECT BOUNDARY
REACH 7
DESDEMONA SHOAL
South Jetty
Clatsop Spit
Trestle
Bay
Point Adams
McGowan
Pacific Co.
Clatsop Co.
Columbia
River
Desdemona Sands
Hammond
FLAVEL BAR
Astoria
Youngs
Bay
Warrenton
Lewis & Clark Waterway


Columbia River
Channel Improvement Study
PROPOSED SITES – REACH 7
Columbia River, Miles 3 – 29
2500 0 2500 5000 7500
SCALE IN FEET
CENWP-EC-GM
Rice Is., W-21.0 228 Acres
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
WASHINGTON
OREGON
N
Rice Is., W-21.0 228 Acres
Harrington Sump, CRM 21.0 118 Acres
Miller Sands, O-23.5 151 Acres
Pillar Rock Is., O-27.2 56 Acres
Pacific Co.
Wahkiakum Co.
Clatsop Co.
Grays Bay
Deep River
Grays River
Crooked Creek
Willapa Logging Co.
Altoona
Oneida
Eden
Rosburg
Frankfort
Knappton
Brookfield
Pillar Rock
Columbia River
MILLER SANDS CHANNEL
PILLAR ROCK RANGES
TONGUE POINT CROSSING
UPPER SANDS
VEL BAR
REACH 6
REACH 7
Desdemona Sands
Tongue Point Village
Navy Heights
Astoria
Youngs Bay
Youngs R.
Miles Crossing
Fern Hill
John Day River
Svensen Is.
Svensen
Svensen Junction
Knappa
Knappa Junction
Cathlamet Bay
South Channel
Lois Island
Woody Island Channel
Prairie Channel
15
20
25
29