

Fall 2008
Shoreline and Coastal
Planners

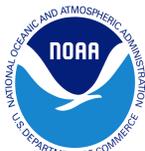
Shoreline Restoration in Urban Settings:
Case Studies in the City of Seattle

November 20, 2008
Downtown Seattle Art Museum

Shoreline and Coastal Planners WRDA 214 & SEATTLE BIOLOGICAL EVALUATION

City of Seattle
Joy Keniston-Longrie
November 20, 2008

Seattle
Public
Utilities




City of Seattle



US Army Corps
of Engineers
Seattle District

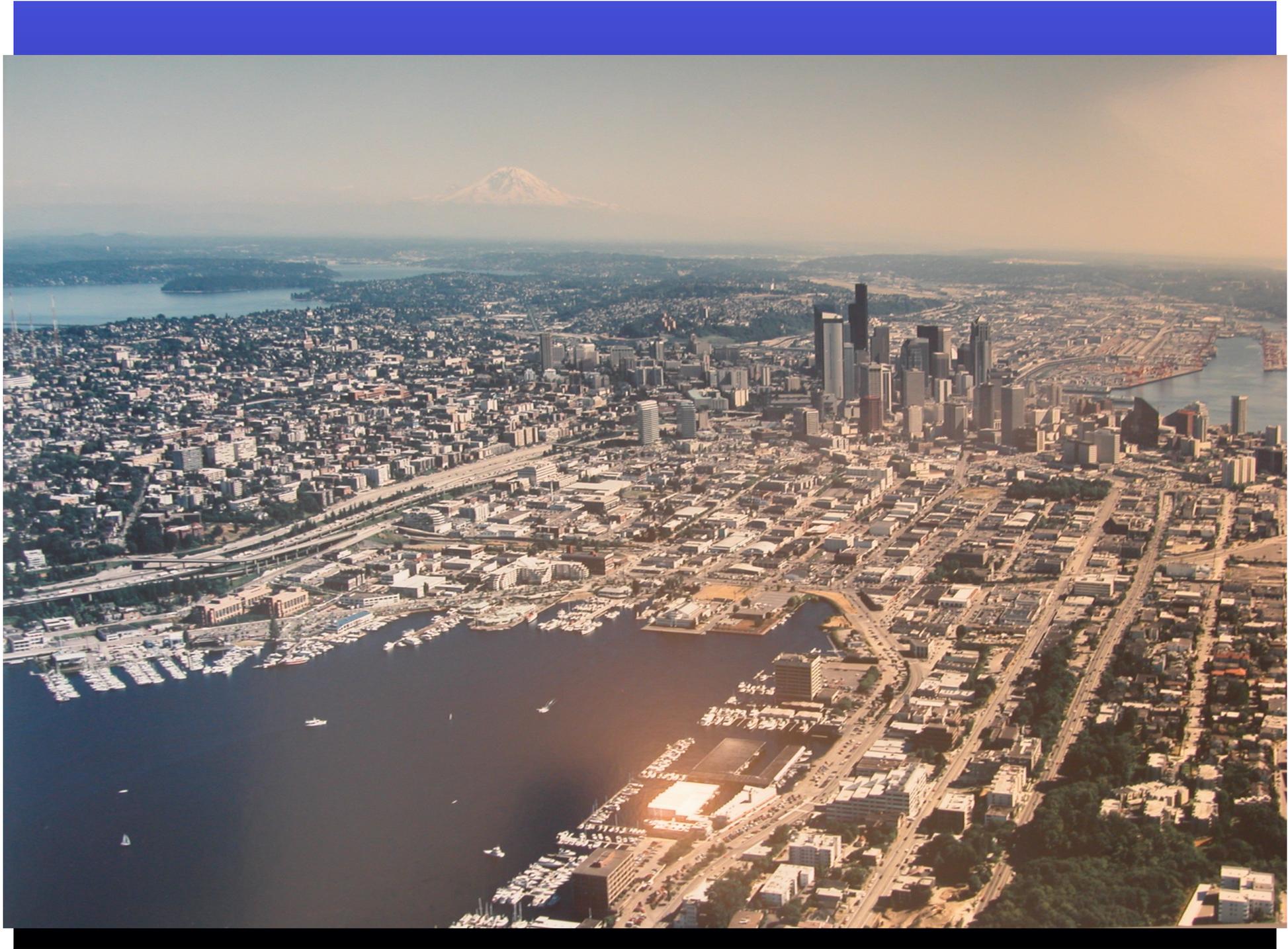
Outline

- **Water Resource Development Act of 2000**

(WRDA) S

- **Seattle, the 1** nationwide
- **Our Experie** WRDA
- **USFWS & NM**
- **Sculpture Park & Seawall Test Panels**





City Services



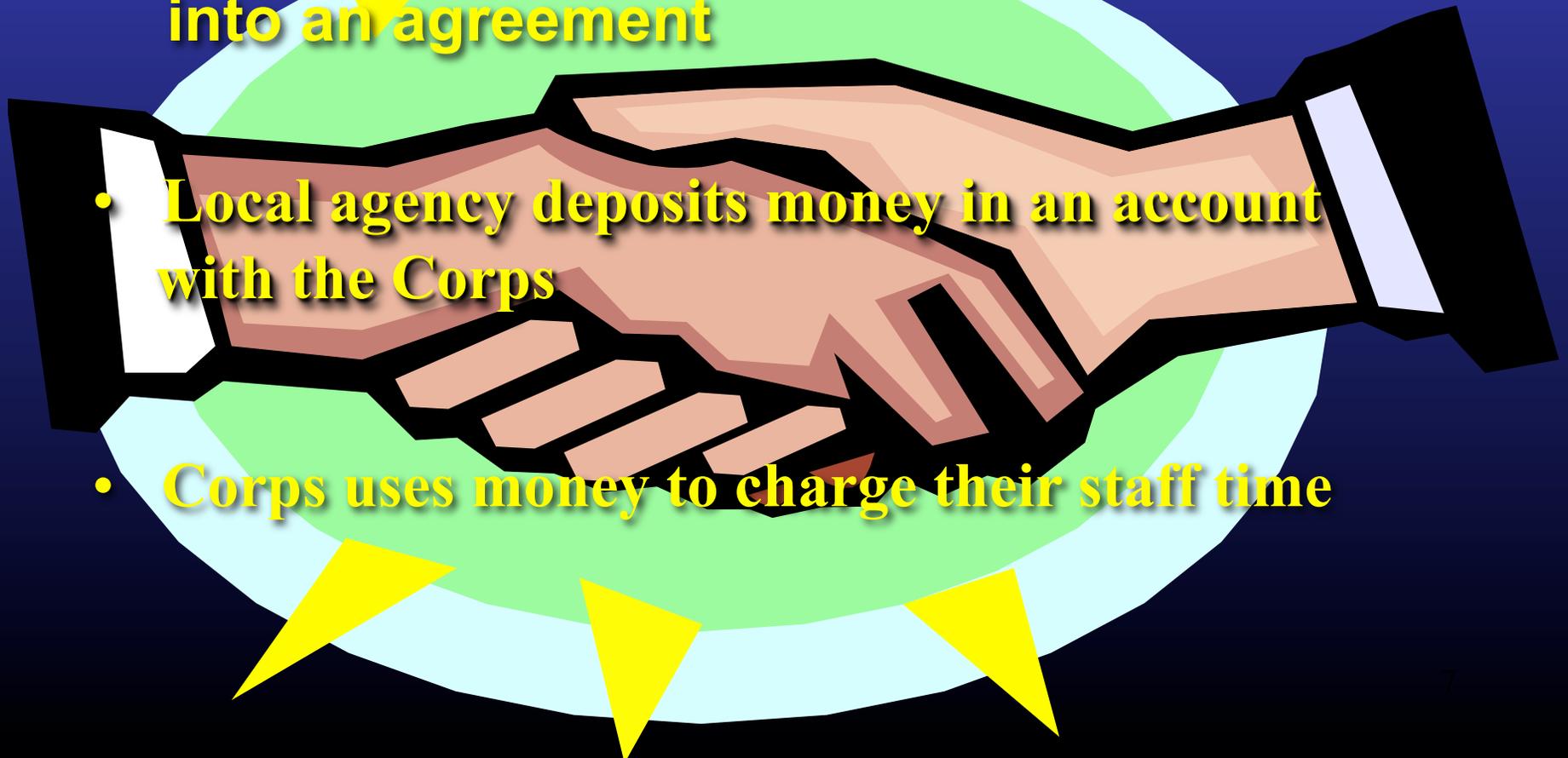
Seattle's Environmental Commitment

How WRDA Works

- Corps and non-Federal public entity enter into an agreement

- Local agency deposits money in an account with the Corps

- Corps uses money to charge their staff time



WRDA 2000

A New Tool to Accelerate USACE Permit Review

WRDA 2000 Allowed
Corps to Accept Funds
to Expedite Prioritize
Projects

Prioritization Identified
by Public Agency
Funding
WRDA Agreement



Corps Districts & WRDA 214

Los Angeles

Sacramento

San Francisco

Seattle

Walla Walla

Portland

Omaha

Jacksonville

Savannah

Charleston

Huntington

Pittsburgh

Galveston

Little Rock

Fort Worth

Alaska

Baltimore

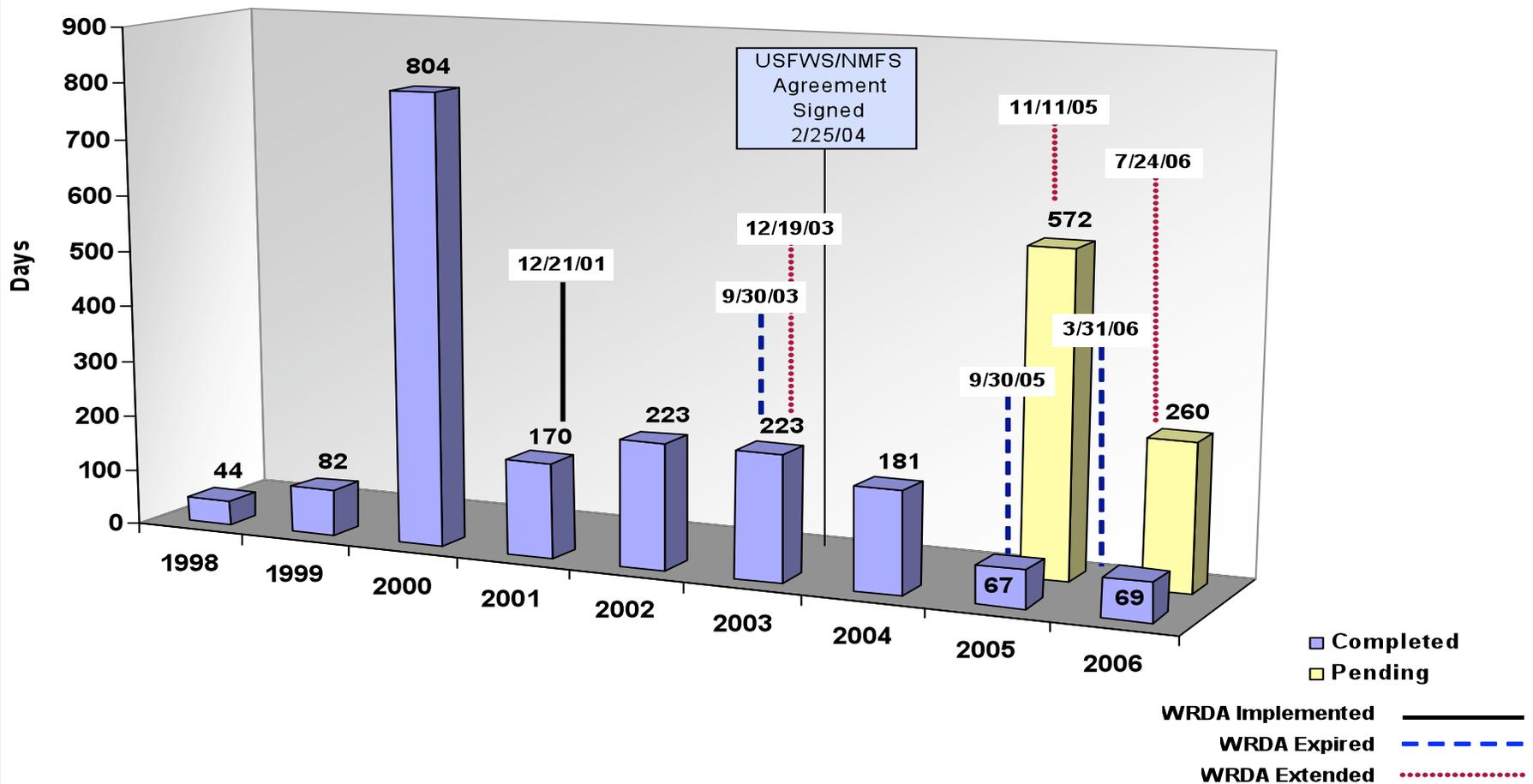
Philadelphia

Keys to Smooth Implementation

- Designated Lead City Agency
- Establish “Single Point of Contact” for each agency
- Develop written expectations during the initial set-up phase
- Meet on a Regular Basis (1/month)
- Bi-Monthly Informal Pre-Application Meetings
- Periodic Site Visits

City of Seattle/US Army Corps of Engineers) Approved permits Process Time

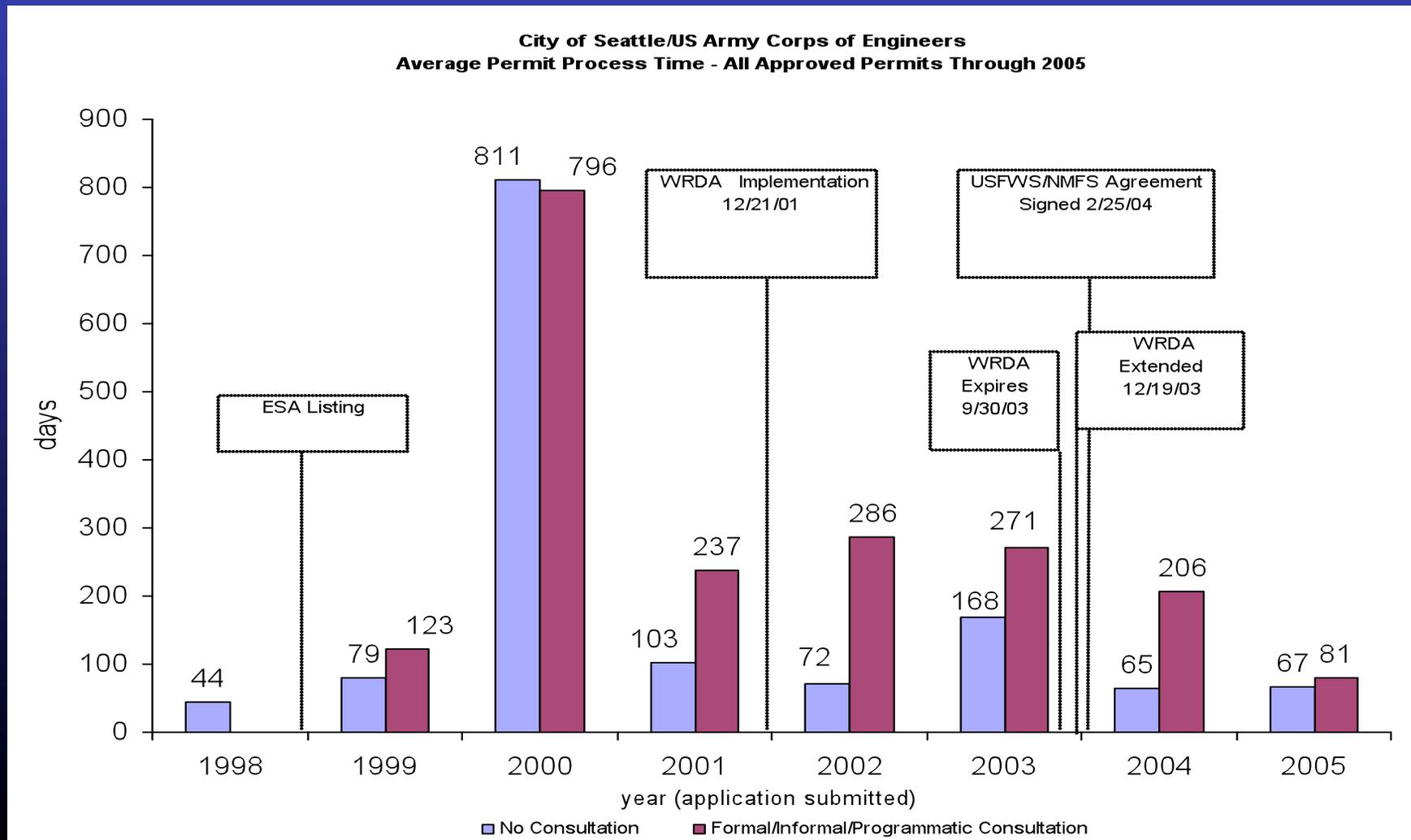
City of Seattle/US Army Corps of Engineers
Average Permit Process Time for Completed and Pending Applications
As of March 13, 2007



Informal Pre-Application Meetings

- Held Every 2 Months
- Project Managers + Consultants
 - to present proposed project
 - ask Questions
 - ID issues, timelines & avoidance opportunities
- Federal Agencies: USACE, USFWS, NMFS
- State: WDFW, WDOE
- Local: Seattle Department of Planning & Development

Formal vs Informal ESA Consultation Permit Process Time



ESA Consultation

- USFWS
- NMFS
- USACE
- FEMA

Benefits to FWS and NMFS

- Reduce impacts to listed salmonids
 - Provide early involvement on projects
 - Better project design and implementation
 - Provide continuing support in project implementation
- More efficient for the FWS and NMFS
 - Many listed salmonids issues are similar
 - Single, consolidated response to the City and Corps
- More consistent permitting by having one biologist
 - Helps to identify and resolve policy and technical differences between FWS and NMFS
 - Acts as a bridge across agencies with understanding of both agencies





Standard Biological Evaluation Process

For Each Federal Permit:



-5 to 20 projects @ any given snap shot in time with federal nexus



-Hire Consultant to Write Biological Evaluation



-City Pays \$5,000 to \$25,000 per Biological Evaluation

-Consultant repeats same information &/or does not have access to most current Scientific Data

-No centralized &/or up-dated scientific reference or database

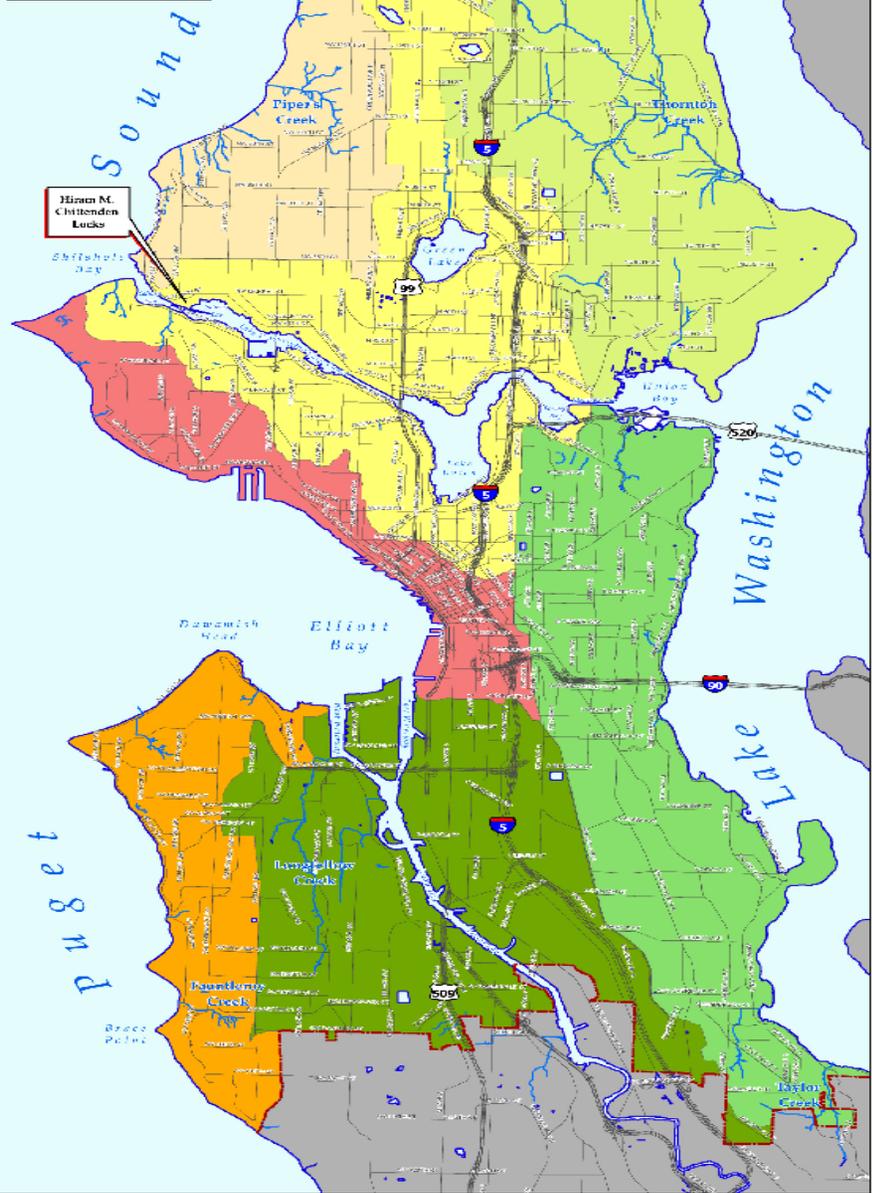
-Opportunity for process improvement & content improvement

Seattle Biological Evaluation

- Needed to address the growing ESA issues
- Ensures consistent conservation measures to protect species
- Ensures consistent quality of permit applications and ESA documentation



**US Army Corps
of Engineers**
Seattle District



Seattle Biological Evaluation

City of Seattle

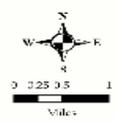
FIGURE 1

Seattle Action Areas

- Elliott Bay
- Lake Washington Ship Canal
- Lower Green/Duwamish
- North Seattle/Puget Sound
- North Lake Washington
- South Seattle/Puget Sound
- South Lake Washington

- Stream
- City Limit
- Freeway
- Arterial

See Figure 2 for more detailed surface water drainage information.



October 2008
ASST. TO THE COMPTROLLER
Public Utilities Department
1000 4th Avenue, Suite 1000
Seattle, WA 98101
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Fax: 206.462.3001
www.seattle.gov/assessor



Seattle Biological Evaluation

- Description of Proposed Action: Methods
- Conservation Measures
- Status of Species
- Environmental Baseline
- Effects of Action
- Cummulative Effects
- Essential Fish Habitat
- References

City of Seattle's T&E Species Work Windows



■	Chinook and Bull Trout
■	Chinook
■	Bull Trout
■	Bald Eagle



Benefits of the SBE

- Improve consistency in project design and consultation
- Projects with reduced impacts to salmonids
- Streamlined consultation
- Potential benefits to other agencies and public
 - Serve as a guidance document
 - Used for consultation by others with projects in Seattle





Innovation World Class Award December 2005
Partnership between City of Seattle, USACE, USFWS, NMFS/NOAA
WRDA 214 Expedited Federal Permitting Process



WRDA Lessons Learned

- Public notice structure to avoid reissue
- Establish clear expectations
- Communicate Often
- Consider One Point of Contact
- Regular Field Trips Together
- Agreement with Services

Our Experience with WRDA

\$ Savings on projects (2002-2006; \$869 m CIP):

174 Projects @ \$188,000 = \$ 8 Million in Avoided Costs

Reduced project review:

Project review went from an average high of 809 days to 132 days per project.

Improved predictability:

Reduced redesign, better able to maintain scope/schedule/budget.

Sculpture Park Habitat & Permitting



Sculpture Park Habitat & Permitting





Sculpture Park Habitat & Permitting



Sculpture Park Habitat & Permitting

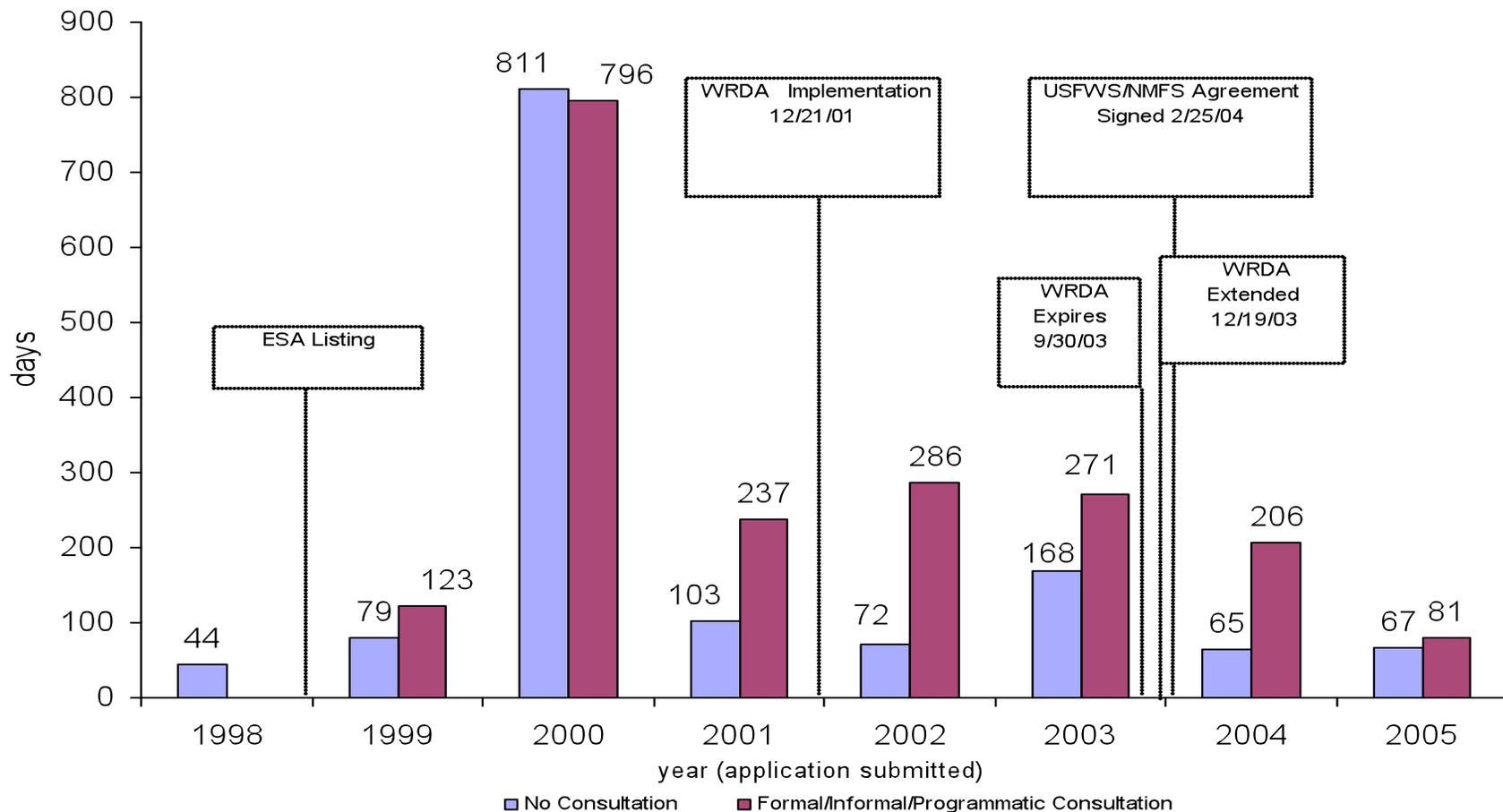


Sculpture Park

- Informal Pre-App Mtg: 6/7/04 & 5/10/05
- Submitted Application: 12/27/04
- Approval: 5/11/05
- Total of 136 Days
- NWP 13 (Bank stabilization) & NWP 27 (Aquatic habitat)
- ESA Consultation = Informal 53 Days

Formal vs Informal ESA Consultation Process Time

City of Seattle/US Army Corps of Engineers
Average Permit Process Time - All Approved Permits Through 2005



Alaskan Way Seawall Test Panel



Alaksan Way Seawall Test Panel



Alaksan Way Seawall Test Panel



Alaskan Way Seawall Test Panels

- Informal Pre-App Mtg: 1/18/06 & 4/11/07
- Significantly Revised Application: 7/11/07 (w/BE)
- Approval: 10/22/07
- Total of 104 from Revised Submittal
- NWP 3 (maintenance) & NWP 5 (scientific devices)
- ESA Consultation = Informal 22 Days

City Permit Process

- Projects brought in early to Agencies
- Issues identified
- Designed with Habitat, WQ & ESA goals
- Agencies educated
- Field Trips Prior to submittal
- ESA streamlined
- Review Time Reduced
- Avoided Costs, Improved Environmental Outcomes, Predictability

Summary



Questions???

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City of Seattle

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**[http://www.seattle.gov/util/Engineering/Consulting_Resources/
Permit_Coordination/PERMITCOO_200406070829115.asp](http://www.seattle.gov/util/Engineering/Consulting_Resources/Permit_Coordination/PERMITCOO_200406070829115.asp)**

Parking Lot Slides

Seattle Biological Evaluation

Description of Proposed Action: 14 Methods

Method #2: Clearing, grubbing, grading & Placement of Temporary Fill

Method #3: Temporary Dewatering of Upland Construction Site

Method #4: In-water Construction Site Isolation & Fish Removal

Method #5: Pipe and Culvert Replacement & Maintenance

Method #7: Bank Stabilization

Method #8: Habitat Addition and Maintenance

Method #14: Landscaping and Planting

Seattle Biological Evaluation

Status of the Species

- 5.1 Puget Sound Chinook Salmon**
- 5.2 Coastal-Puget Sound Bull Trout**
- 5.3 Bald Eagle: Pacific Population**
- 5.4 Killer Whale**
- 5.5 Steller Sea Lion**
- 5.6 Humpback Whale**
- 5.7 Marbled Murrelet**
- 5.8 Puget Sound Steelhead**

Seattle Biological Evaluation

Environmental Baseline & Action Areas

- 6.1 North Lake Washington and South Lake Washington**
- 6.2 Lake Washington Ship Canal**
- 6.3 Lower Green/Duwamish**
- 6.4 North Seattle /Puget Sound, Elliot Bay, South Seattle/Puget Sound**