WESTERN DREDGING ASSOCIATION
PACIFIC CHAPTER ANNUAL MEETING

Elizabeth Chien
Seattle District
FY20 Navigation Program
29-31 Oct 2019
<table>
<thead>
<tr>
<th>Project</th>
<th>Method</th>
<th>Contractor</th>
<th>Work Window(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bellingham/Squalicum open water placement</td>
<td>Mechanical Clamshell 165K CY</td>
<td>Curtain Marine</td>
<td>01Aug19 – 14Feb20</td>
</tr>
<tr>
<td>Seattle/Duwamish open water placement</td>
<td>Mechanical Clamshell 65K CY</td>
<td>American</td>
<td>01Dec19 – 16Jan20</td>
</tr>
<tr>
<td>Everett upland &amp; beach placement</td>
<td>Hydraulic Cutterhead 150K CY</td>
<td>Portable Hydraulic</td>
<td>16Oct19 – 14Feb20</td>
</tr>
<tr>
<td>Quillayute beach discharge</td>
<td>Hydraulic Cutterhead 55K CY</td>
<td>Clean Harbor</td>
<td>01Sep19 – 28Feb20</td>
</tr>
<tr>
<td>On-Going Contract - Grays Harbor Inner Harbor open water placement</td>
<td>Mechanical Clamshell 650K CY</td>
<td>HME</td>
<td>15Jul19 – 14Feb20</td>
</tr>
</tbody>
</table>
FY20 PROJECT LOCATIONS

- Everett
- Grays Harbor Inner
- Grays Harbor Outer
- Kenmore
- Keystone
- Seattle
- Bremerton
- Tacoma
- Olympia
- Centralia
- Aberdeen
- Longview
- Vancouver
- Portland
- Pendleton
- La Grande
- Richland
- Kennewick
- Walla Walla
- Coeur d'Alene
- Yakima
- Spokane
- Pendleton
- Elbe
- Wallula
- Mount Vernon
- Pentiction
- Nelson
- Creston
- Chilnualna
- Abbotsford
- Chilliwack
- Nanaimo
- Victoria
- Bellingham
- North
- NORTH PACIFIC OCEAN
- BRITISH COLUMBIA
- WASHINGTON
- IDAHO
- OREGON
<table>
<thead>
<tr>
<th>Project</th>
<th>Method</th>
<th>Acquisition Type</th>
<th>Milestone Dates</th>
</tr>
</thead>
<tbody>
<tr>
<td>Kenmore upland disposal contaminated material</td>
<td>Mechanical Clamshell 30K CY</td>
<td>IFB</td>
<td>Advertise: Jul 2020 Award: Aug 2020 Window: TBD</td>
</tr>
<tr>
<td>Grays Harbor Outer Harbor open water placement</td>
<td>Government Hopper 750K CY</td>
<td>ESSAYONS/YAQUINA</td>
<td>Advertise: N/A Award: N/A Window: 01Apr20 – 31May20</td>
</tr>
<tr>
<td>Project</td>
<td>Adv./Open Bids Dates</td>
<td>2019</td>
<td></td>
</tr>
<tr>
<td>----------------------------------------------</td>
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</tr>
<tr>
<td>FY18-20 Grays Harbor Inner Harbor (Mechanical)</td>
<td>N/A</td>
<td>OCT NOV</td>
<td>DEC</td>
</tr>
<tr>
<td>FY19 Everett Harbor &amp; Snohomish (Hydraulic)</td>
<td>N/A</td>
<td>FY 2020</td>
<td>FY 2021</td>
</tr>
<tr>
<td>FY19 Quillayute (Hydraulic)</td>
<td>N/A</td>
<td>FY 2020</td>
<td>FY 2021</td>
</tr>
<tr>
<td>FY19 Duwamish (Mechanical)</td>
<td>N/A</td>
<td>FY 2020</td>
<td>FY 2021</td>
</tr>
<tr>
<td>FY19 Bellingham-Squalicum (Mechanical)</td>
<td>N/A</td>
<td>FY 2020</td>
<td>FY 2021</td>
</tr>
<tr>
<td>FY20 rays Harbor Outer Harbor (Hopper)</td>
<td>N/A</td>
<td>FY 2020</td>
<td>FY 2021</td>
</tr>
<tr>
<td>FY21-FY23 Grays Harbor Inner Harbor (Mechanical)</td>
<td>Aug</td>
<td>FY 2020</td>
<td>FY 2021</td>
</tr>
<tr>
<td>FY20 Everett Harbor &amp; Snohomish (Clamshell)</td>
<td>Jul</td>
<td>FY 2020</td>
<td>FY 2021</td>
</tr>
<tr>
<td>FY20 Kenmore (Clamshell)</td>
<td>Jul</td>
<td>FY 2020</td>
<td>FY 2021</td>
</tr>
</tbody>
</table>
FY20 EVERETT/SNOHOMISH

- Contract Type: IFB, most likely Small Business
- Solicit mid Jul 20; Award mid Sep 20
- Location: Lower settling basin and channel (Sta. 60+00 to 90+00)
- Method: Clamshell
- Quantity: 150K CY
- Placement Site: Open Water - Port Gardner
- Work Window: 16 Oct – 14 Feb
- Envr documentation complete
- No known issues – routine annual dredging
FY21-FY23 GRAYS HARBOR INNER HARBOR

- Contract Type: IFB, most likely Small Business; 3 work windows
- Solicit early Aug 20; Award mid Sep 20
- Location: Inner Harbor (Crossover, North, Hoquiam, and Cow Point/Turning Basin Reaches (Sta. 863+62 to 1234+98)
- Method: Clamshell
- Quantity: 650K+ CY per work window
- Placement Site: Open Water – South Jetty and Pt. Chehalis open water sites
- Work Windows: 1 Dec 20 – 14 Feb 21; 15 Jul 21 – 14 Feb 22; and 15 Jul 22 – 14 Feb 23
- Env documentation complete
- Routine annual dredging with following issues:
  - Only Crossover and North Reaches can be dredged in Oct and Nov. No dredging in Hoquiam and Cow Point / Turning Basin during Oct or Nov – due to Tribal fishing
  - Currently, available volume is lower than normal – 1) possibly due to recent deepening, and/or 2) possibly due to 3+year regional drought – no significant storm or flood events
FY20 KENMORE

- Contract Type: IFB, most likely Small Business
- Solicit mid Jul 20; Award mid Sep 20
- Location: Method: Clamshell
- Quantity: 30K CY - contaminated
- Placement Site: Upland disposal site
- Work Window: 15 Jul – 14 Feb
- Envr documentation in progress
- Has never been dredged since constructed in 1981
- All material is contaminated – will require environmental bucket for removal, transloading, and transport to designated facility
FY20 KEYSOTNE

- Contract Type: IFB, most likely Small Business
- Solicit mid Jul 20; Award mid Sep 20
- Location: Method: Clamshell
- Quantity: 35K CY
- Placement Site: beach placement
- Work Window: 15 Jul – 14 Feb
- Envr documentation in progress
- Last dredged in 2012
- No known issues – routine dredging
- Due to ferry schedule, dredging is conducted at night, material placement during the day
QUESTIONS

Kym Anderson
Chief, Operations Program Mgmt
Kymberly.Anderson@usace.army.mil
(206) 764-3275

John Hicks
Chief, Navigation Section
John.A.Hicks@usace.army.mil
(206) 764-6908

Elizabeth Chien
Coastal Navigation PgM
Elizabeth.A.Chien@usace.army.mil
(206) 316-3968