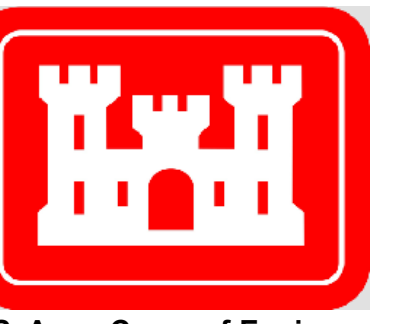
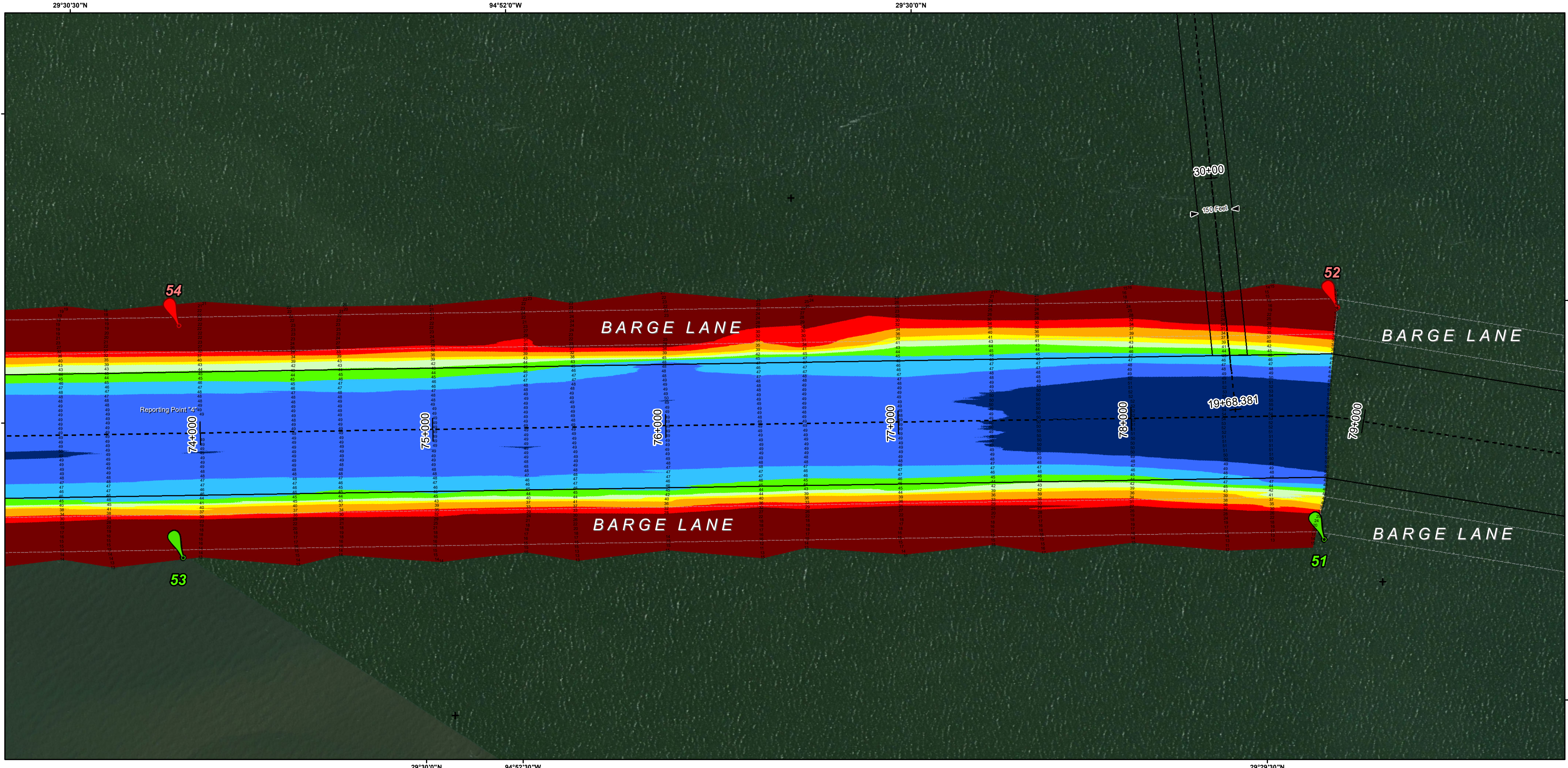
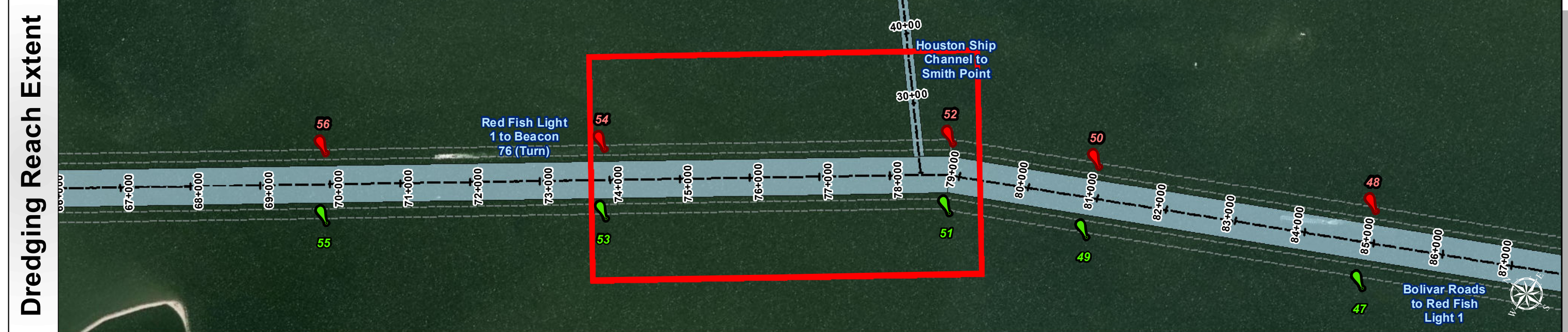
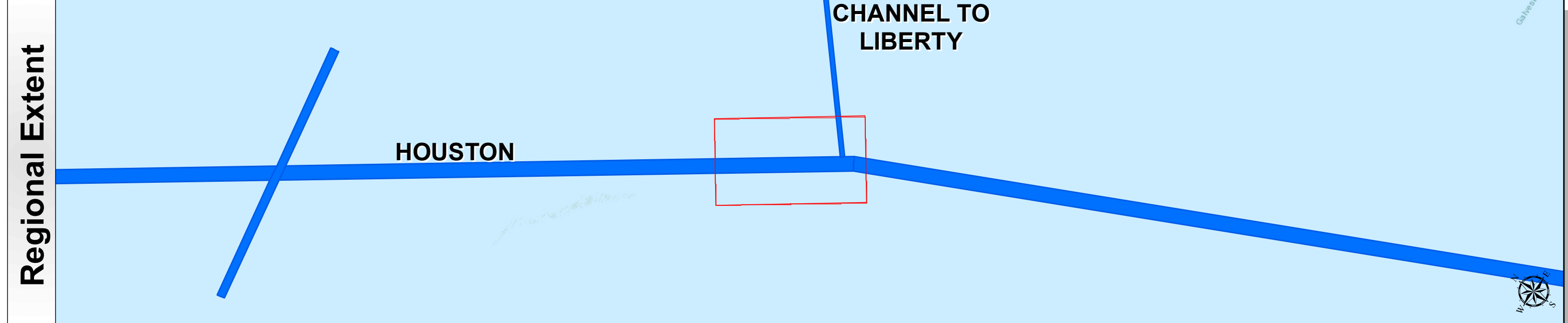
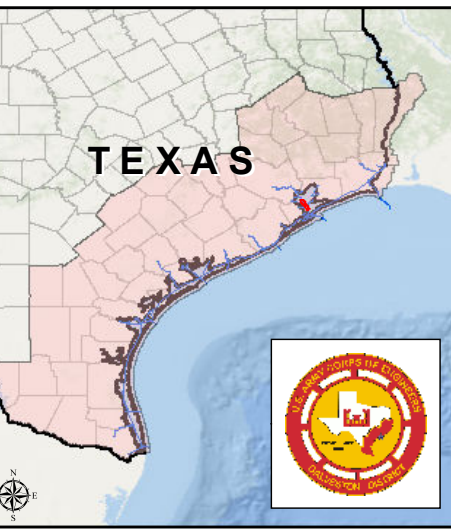


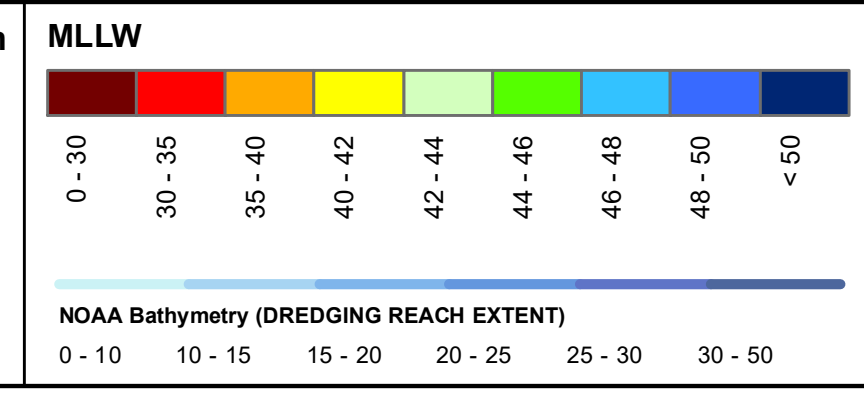
# Houston Ship Channel: Red Fish Light 1 to Beacon 76 (Turn)



U.S. Army Corps of Engineers  
Galveston District



Channel Features	Aids to Navigation
— Channel Toe	Green Side Aids
- - - Channel Center Line	Red Side Aids
— Channel Station Lines	Lights
↔ Channel Dimensions	

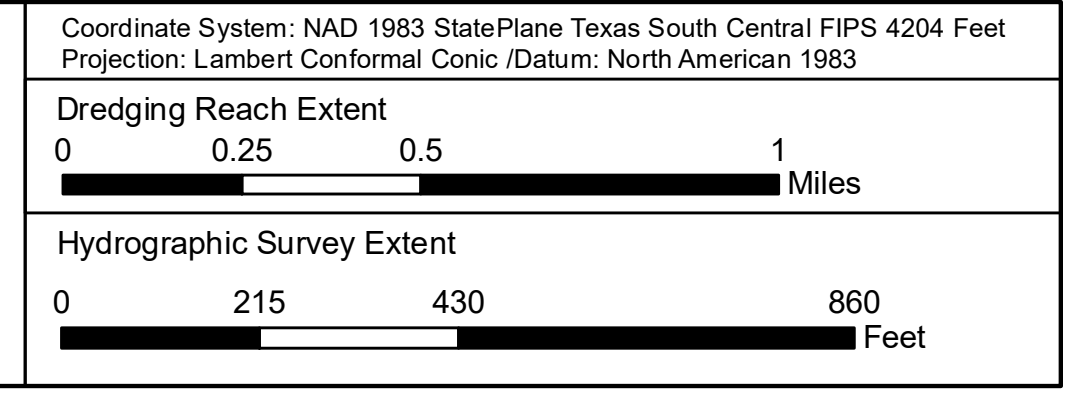
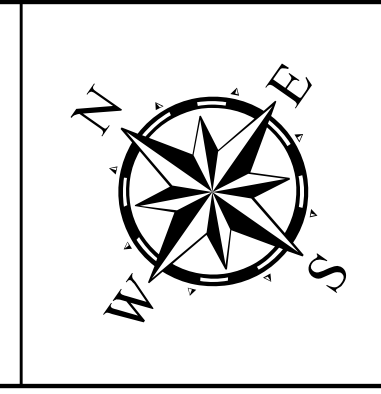


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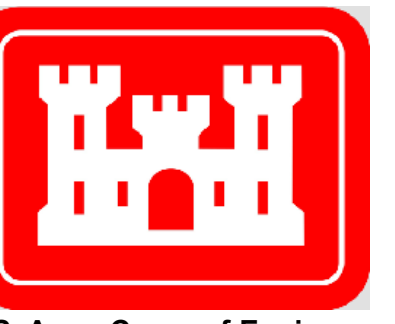


Survey Date(s): 14 November 2019	Authorized Depth: -46ft.
Page: 11 of 61	Side Slope Ratio: (Rise : Run)
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Mapped by: m3odnmimg	Print Date: 11/18/2019
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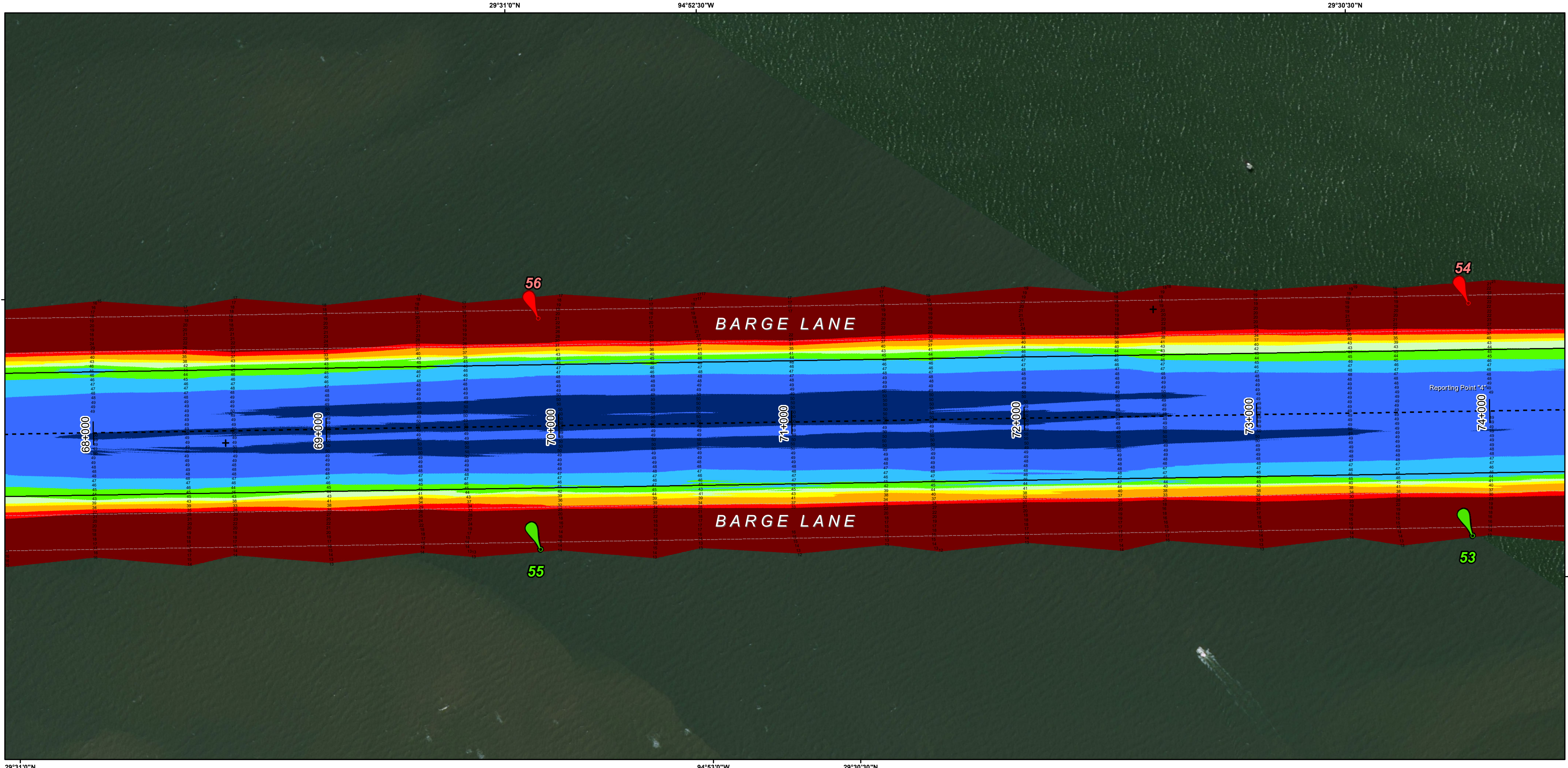
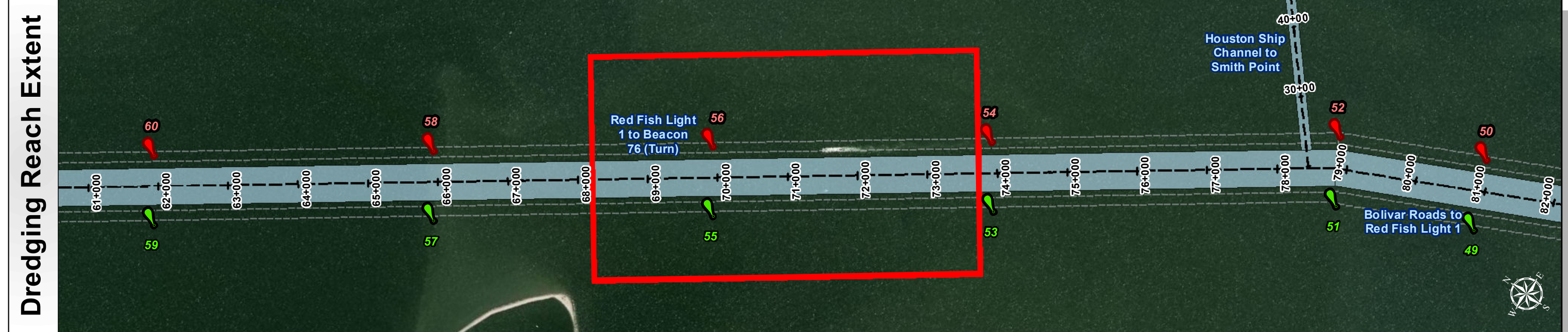
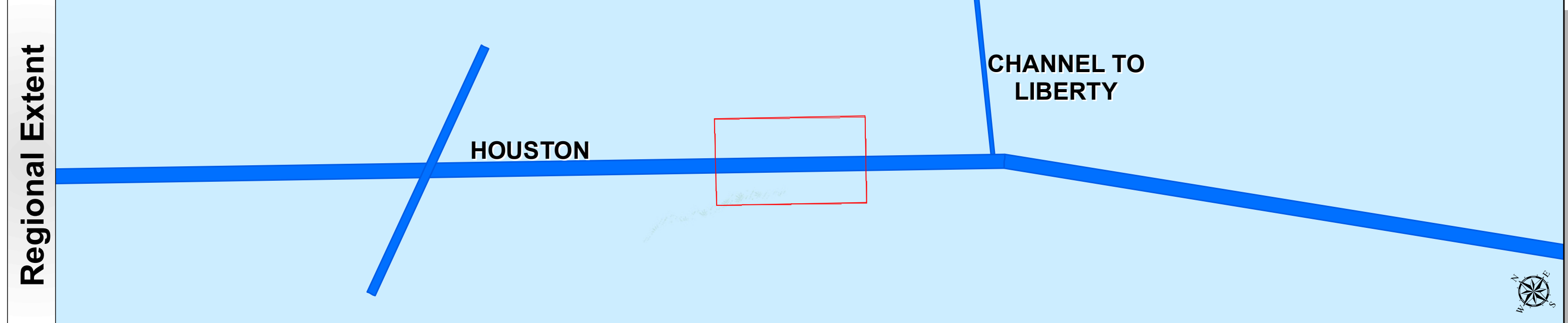
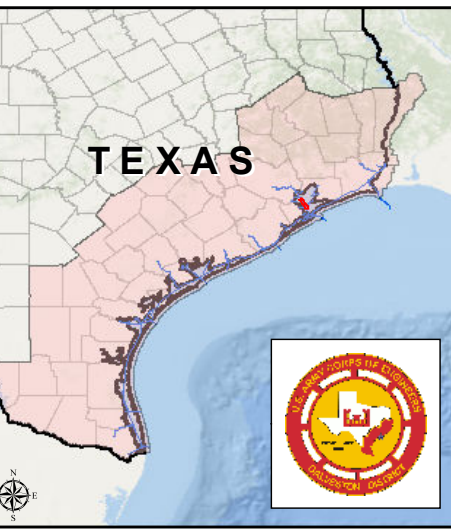
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U.S. ARMY ENGINEER DISTRICT  
CORPS OF ENGINEERS  
GALVESTON, TEXAS

**Station : 78+844 to 30+091**  
**HOUSTON**  
HOUSTON, TEXAS

# Houston Ship Channel: Red Fish Light 1 to Beacon 76 (Turn)



U.S. Army Corps of Engineers  
Galveston District

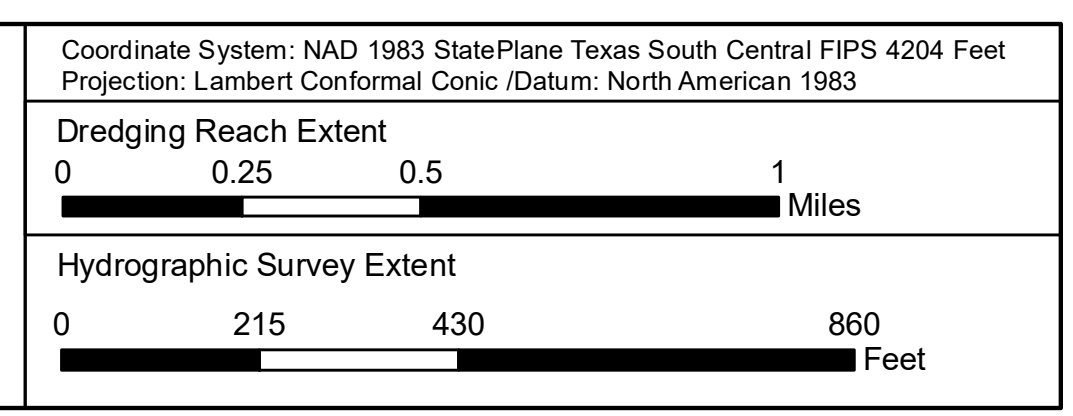


Channel Features	Aids to Navigation	MLLW
<ul style="list-style-type: none"> <li>Channel Toe</li> <li>Channel Center Line</li> <li>Channel Station Lines</li> <li>Channel Dimensions</li> </ul>	<ul style="list-style-type: none"> <li>Green Side Aids</li> <li>Red Side Aids</li> <li>Lights</li> </ul>	<p>NOAA Bathymetry (DREDGING REACH EXTENT)</p> <p>0 - 10 10 - 15 15 - 20 20 - 25 25 - 30 30 - 50</p>

**NOTES:**

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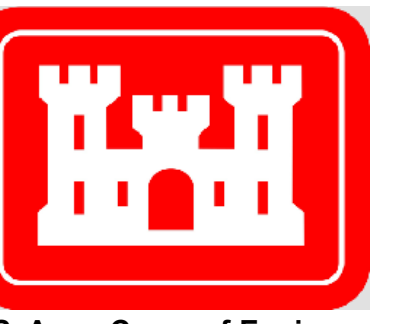


Survey Date(s): 14 November 2019	Authorized Depth: -46ft.
Page: 12 of 61	Side Slope Ratio: (Rise : Run)
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Mapped by: m3odmnm	Print Date: 11/18/2019
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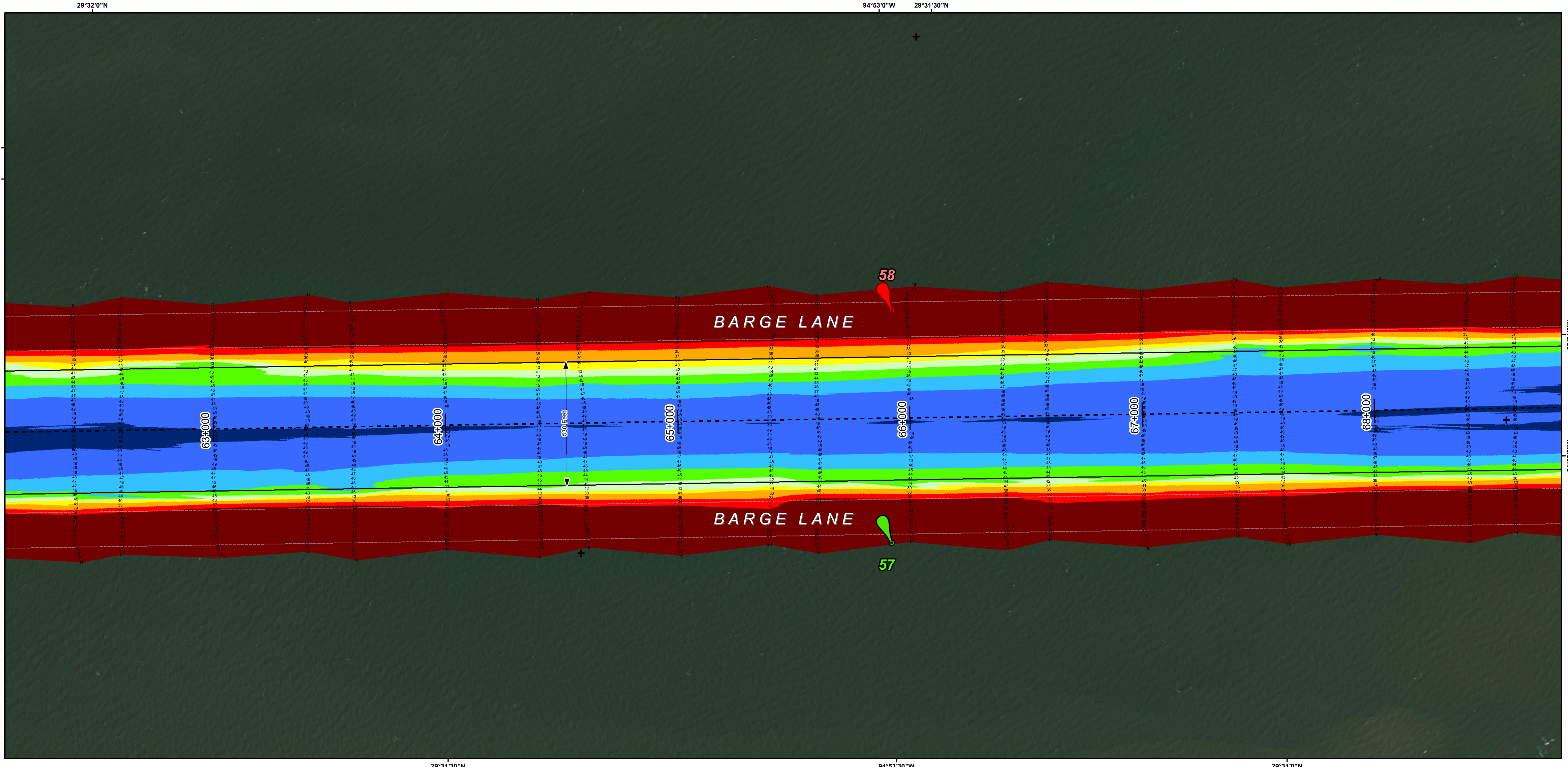
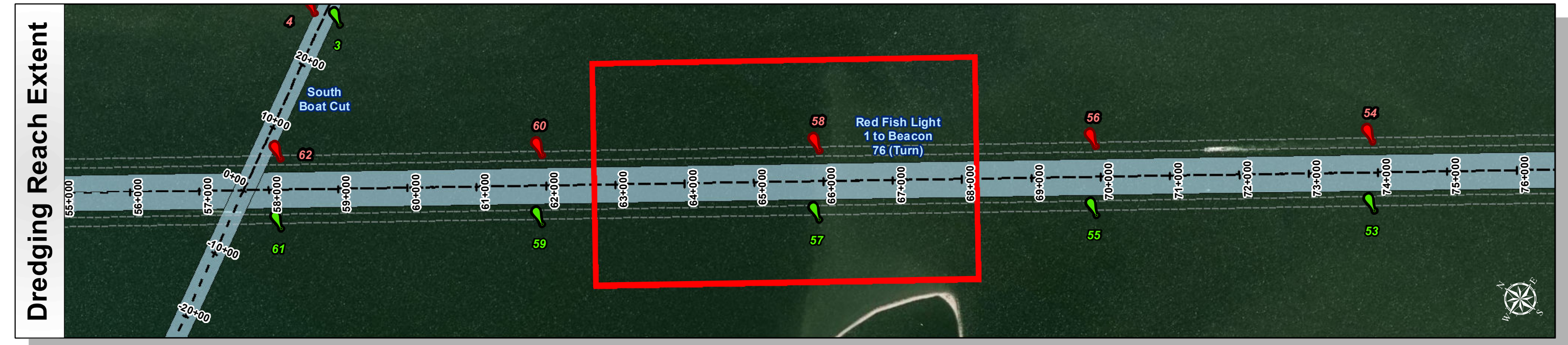
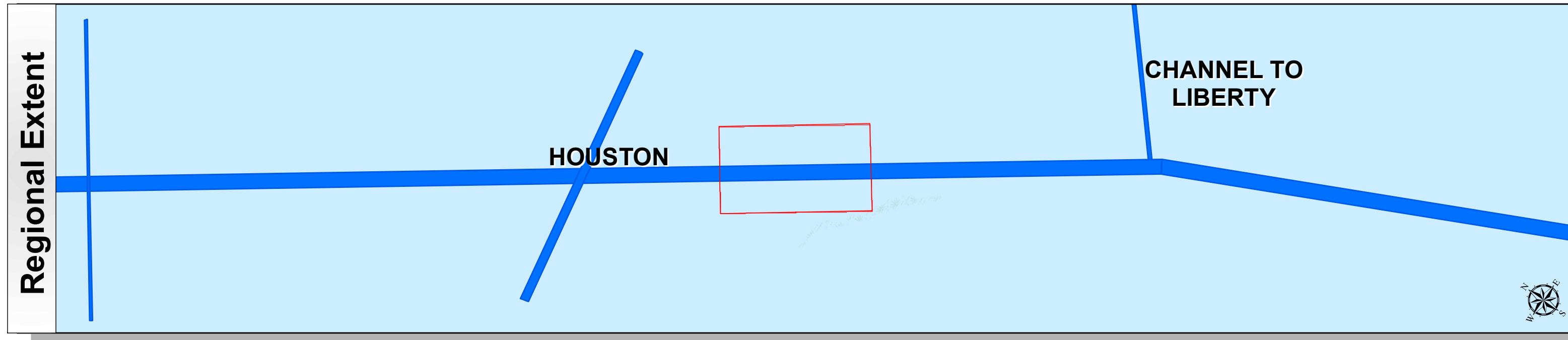
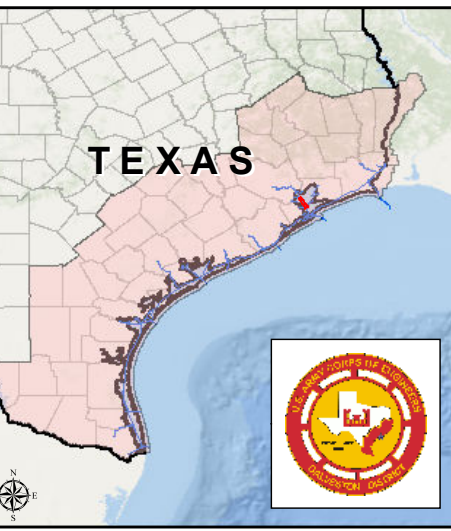
**HYDROGRAPHIC SURVEY**  
U.S. ARMY ENGINEER DISTRICT  
CORPS OF ENGINEERS  
GALVESTON, TEXAS

**Station : 78+844 to 30+091**  
**HOUSTON**  
HOUSTON, TEXAS

# Houston Ship Channel: Red Fish Light 1 to Beacon 76 (Turn)



U.S. Army Corps of Engineers  
Galveston District



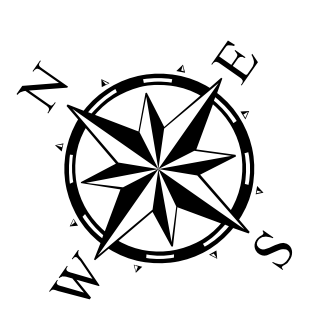
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— Channel Toe	Green Side Aids	0 - 30
- - - Channel Center Line	Red Side Aids	30 - 35
— Channel Station Lines	Lights	35 - 40
↔ Channel Dimensions		40 - 42
		42 - 44
		44 - 46
		46 - 48
		48 - 50
		< 50
		NOAA Bathymetry (DREDGING REACH EXTENT)
		0 - 10
		10 - 15
		15 - 20
		20 - 25
		25 - 30
		30 - 50

NOTES:

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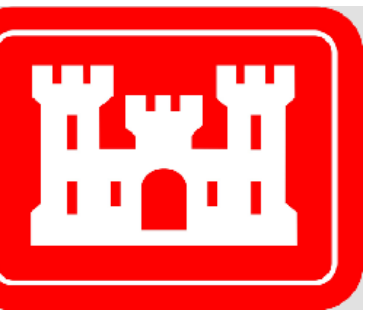
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Dredging Reach Extent	0 0.25 0.5 1 Miles
Hydrographic Survey Extent	0 215 430 860 Feet

Survey Date(s): 14 November 2019	Authorized Depth: -46ft.
Page: 13 of 61	Side Slope Ratio: (Rise : Run)
Scale: 1:2,500	Additional Imagery: © DigitalGlobe Inc.
Mapped by: m3odnm/m	Print Date: 11/18/2019
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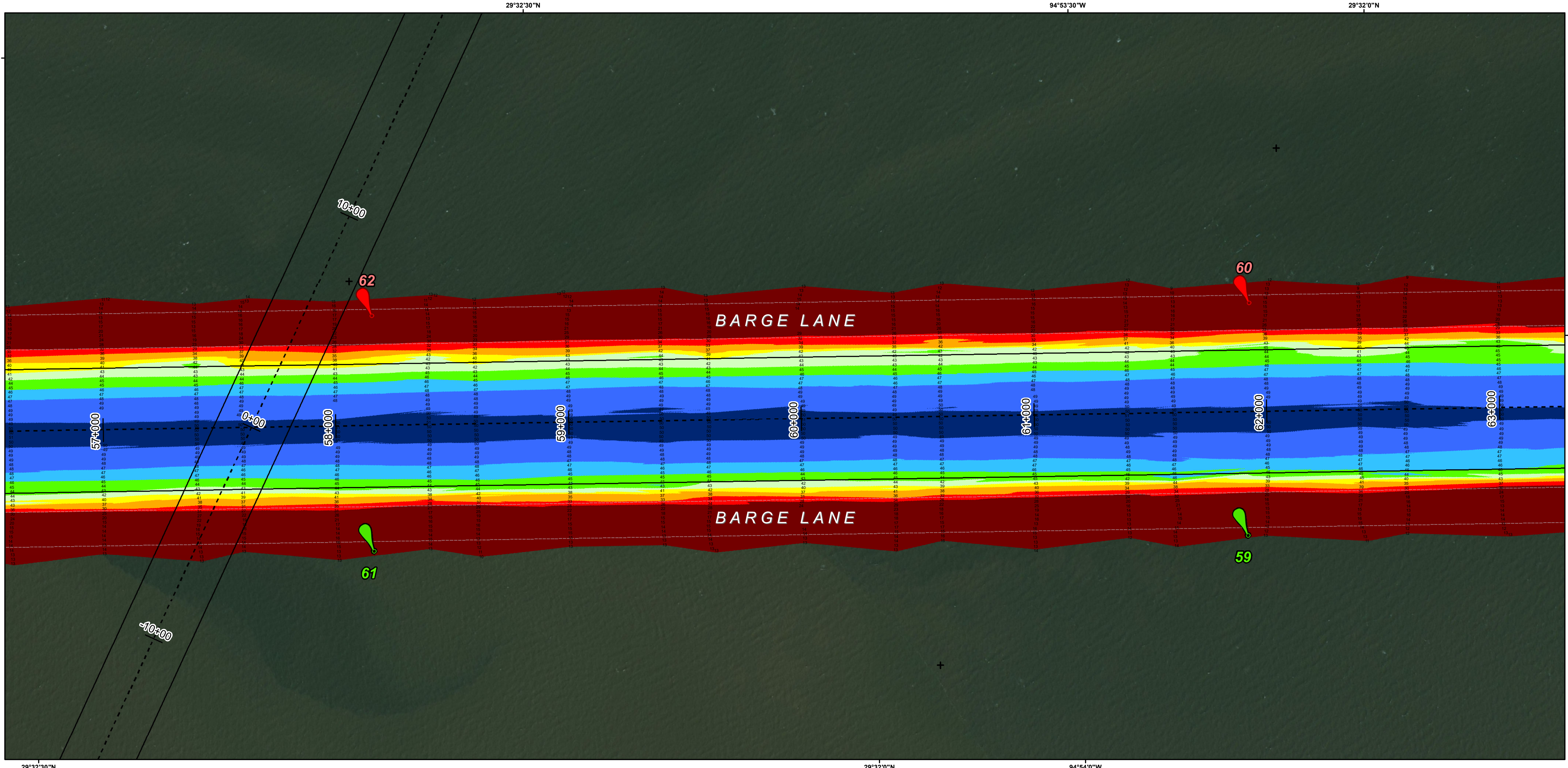
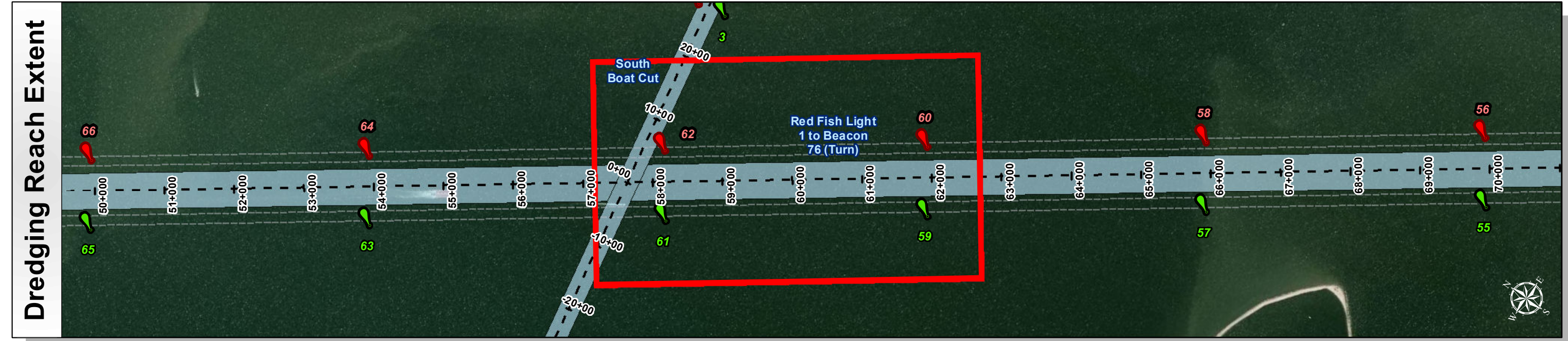
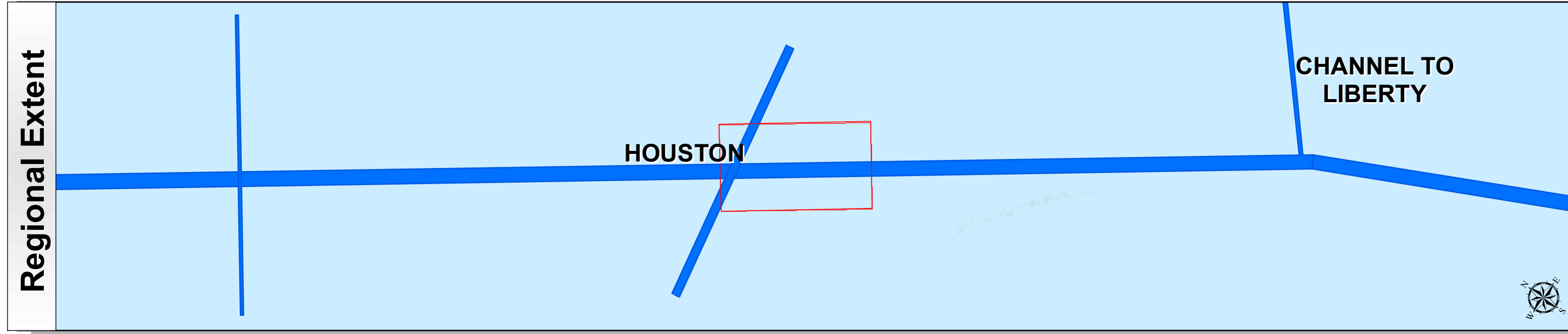
**HYDROGRAPHIC SURVEY**  
U.S. ARMY ENGINEER DISTRICT  
CORPS OF ENGINEERS  
GALVESTON, TEXAS

**Station : 78+844 to 30+091**  
**HOUSTON**  
HOUSTON, TEXAS

# Houston Ship Channel: Red Fish Light 1 to Beacon 76 (Turn)



U.S. Army Corps of Engineers  
Galveston District



Channel Features	Aids to Navigation	MLLW
— Channel Toe	Green Side Aids	0 - 30
- - - Channel Center Line	Red Side Aids	30 - 35
— Channel Station Lines	Lights	35 - 40
↔ Channel Dimensions		40 - 42
		42 - 44
		44 - 46
		46 - 48
		48 - 50
		< 50
		NOAA Bathymetry (DREDGING REACH EXTENT)
		0 - 10
		10 - 15
		15 - 20
		20 - 25
		25 - 30
		30 - 50

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Coordinate System: NAD 1983 StatePlane Texas South Central FIPS 4204 Feet Projection: Lambert Conformal Conic /Datum: North American 1983	
Dredging Reach Extent	0 0.25 0.5 1 Miles
Hydrographic Survey Extent	0 215 430 860 Feet

Survey Date(s): 14 November 2019	Authorized Depth: -46ft.
Page: 14 of 61	Side Slope Ratio: (Rise : Run)
Scale: 1:2,500	Additional Imagery: © DigitalGlobe Inc.
Mapped by: m3odnm	Print Date: 11/18/2019
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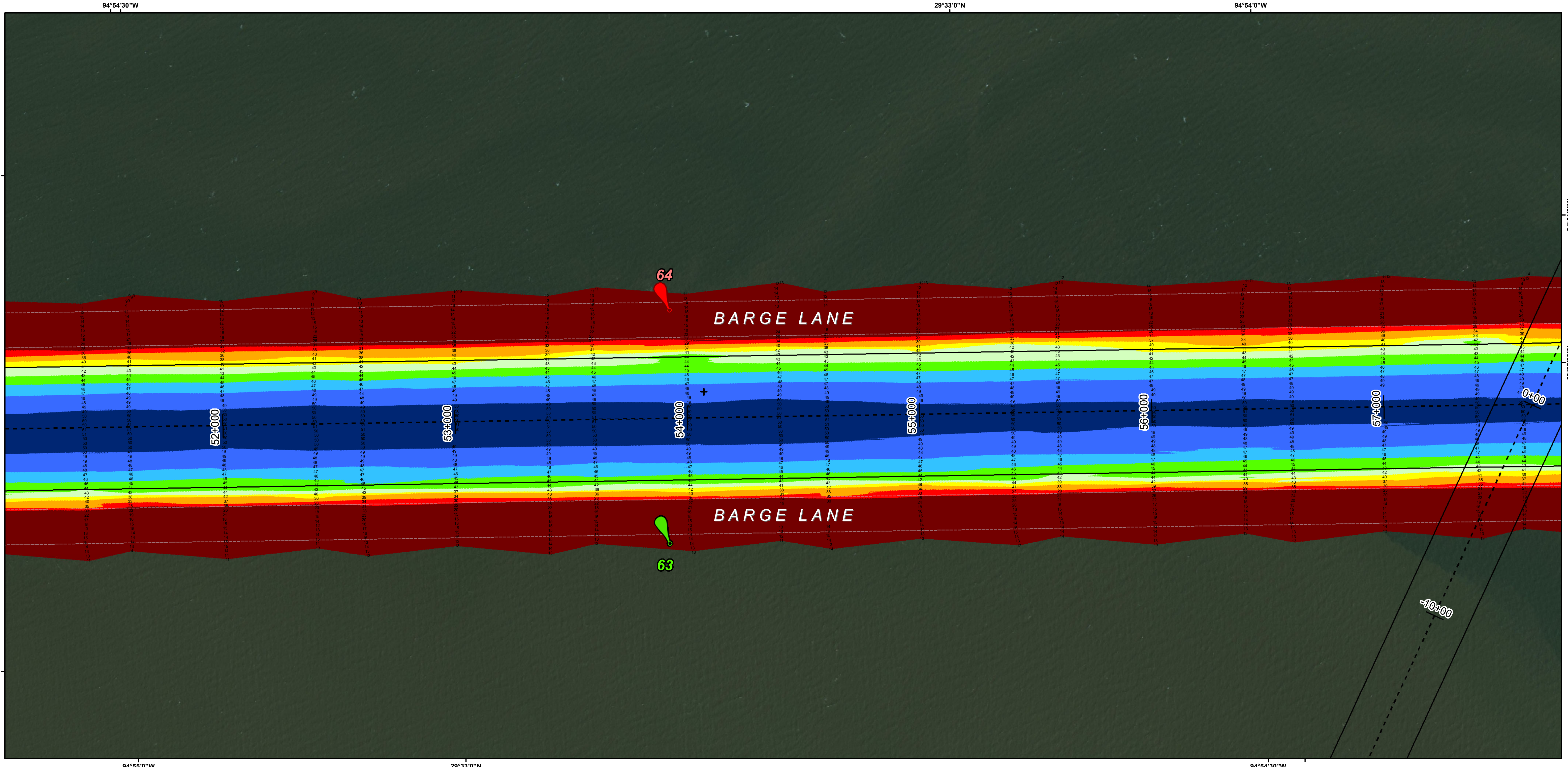
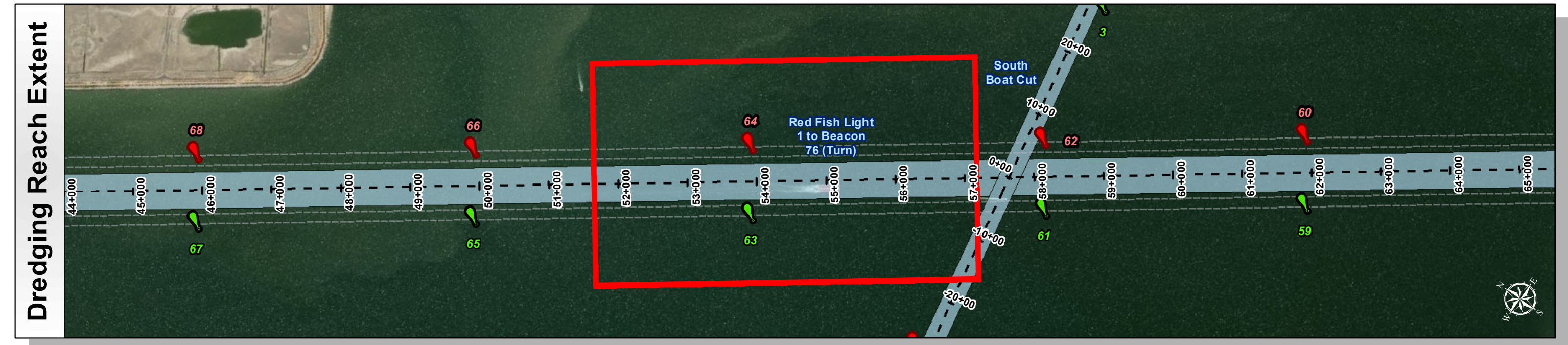
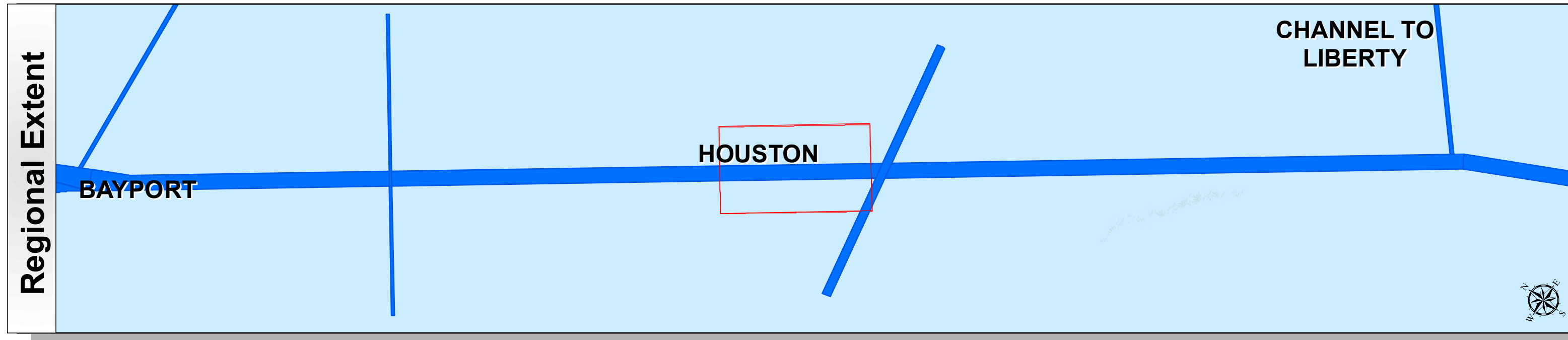
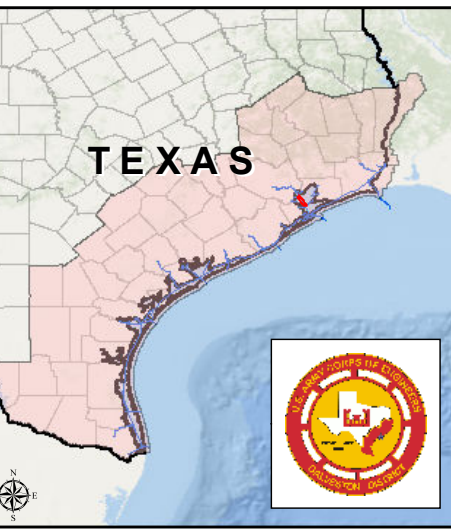
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U.S. ARMY ENGINEER DISTRICT  
CORPS OF ENGINEERS  
GALVESTON, TEXAS

**Station : 78+844 to 30+091**  
**HOUSTON**  
HOUSTON, TEXAS

# Houston Ship Channel: Red Fish Light 1 to Beacon 76 (Turn)



U.S. Army Corps of Engineers  
Galveston District



Survey Date(s): 14 November 2019	Authorized Depth: -46ft.
Page: 15 of 61	Side Slope Ratio: (Rise : Run)
Scale: 1:2,500	Additional Imagery: © DigitalGlobe Inc.
Mapped by: m3odnm/m	Print Date: 11/18/2019
Additional Info:	

**Channel Features**

- Channel Toe
- Channel Center Line
- Channel Station Lines
- Channel Dimensions

**Aids to Navigation**

- Green Side Aids
- Red Side Aids
- Lights

**MLLW**

0 - 30, 30 - 35, 35 - 40, 40 - 42, 42 - 44, 44 - 46, 46 - 48, 48 - 50, < 50

**NOAA Bathymetry (DREDGING REACH EXTENT)**

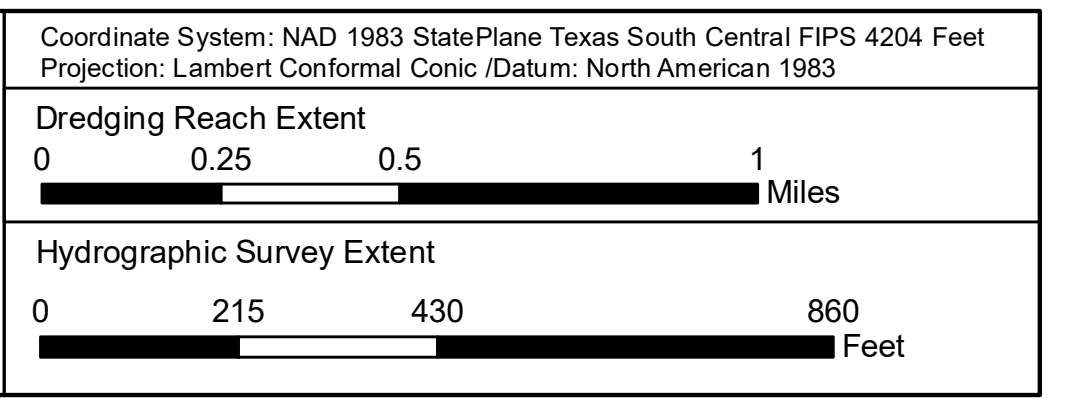
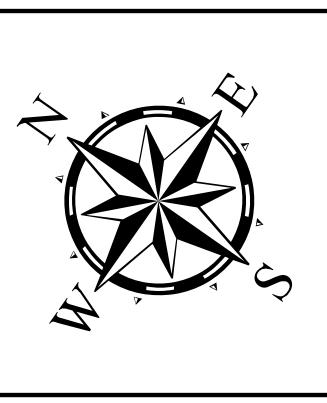
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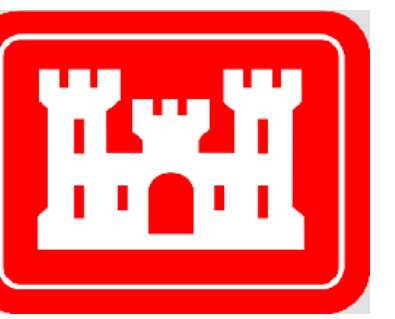
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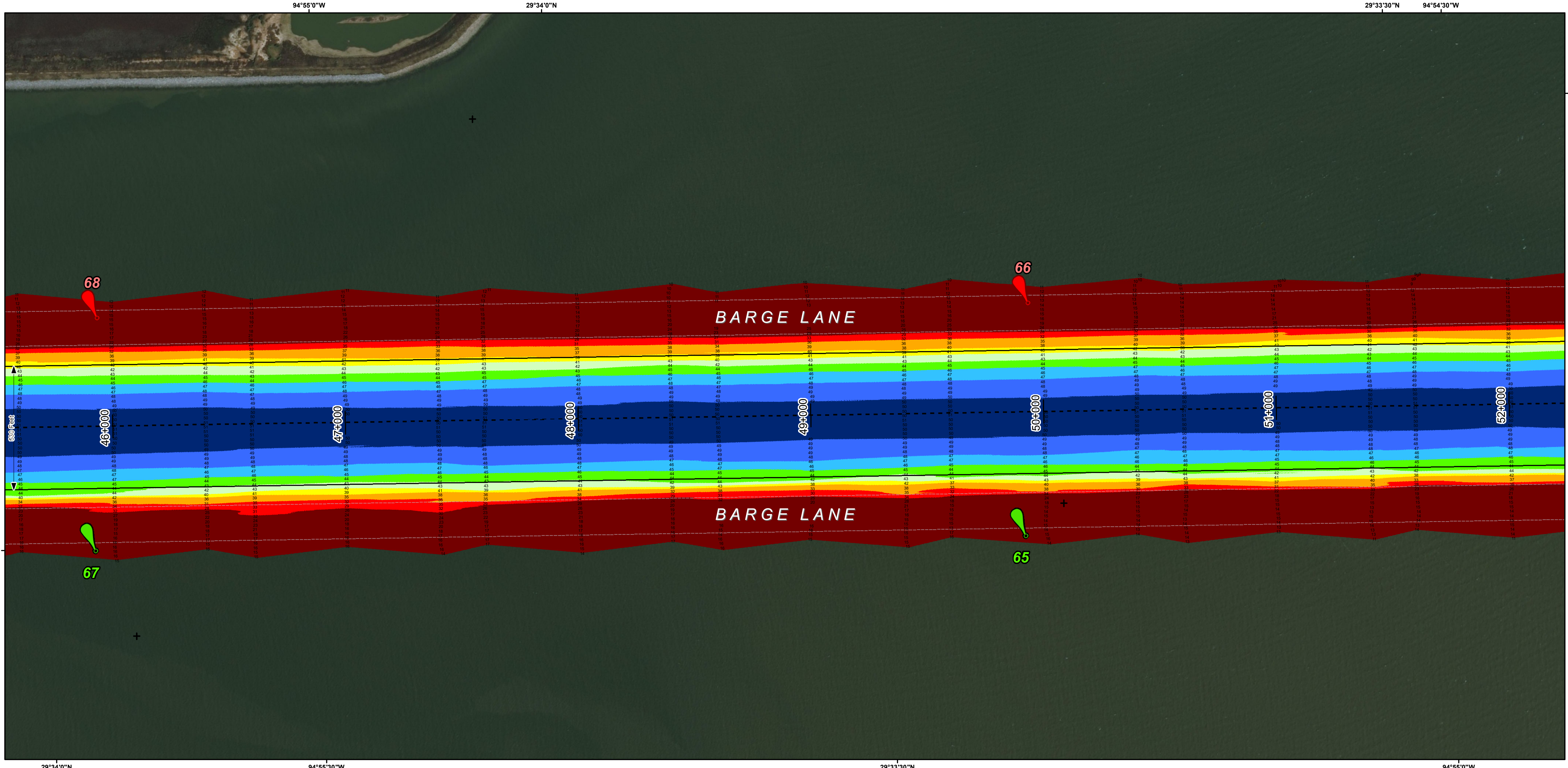
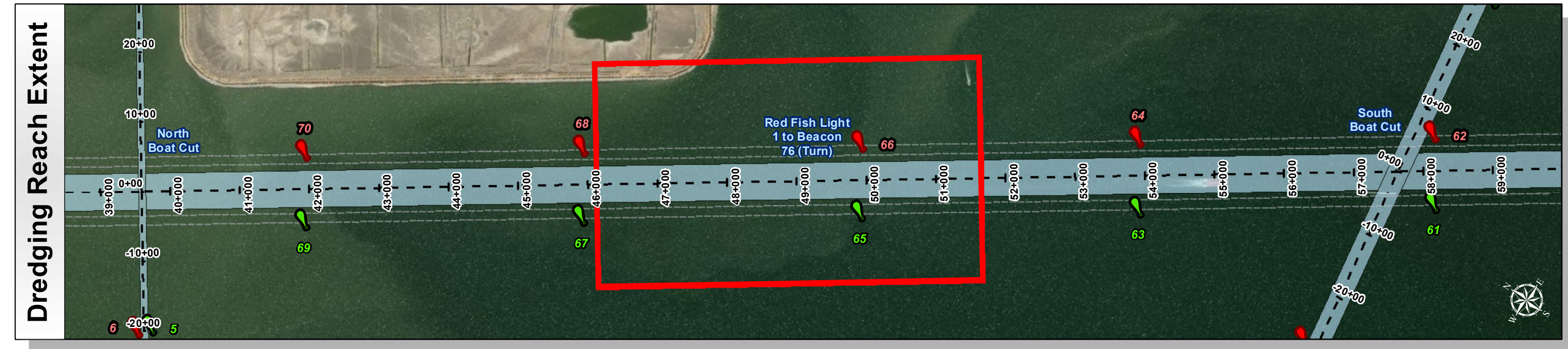
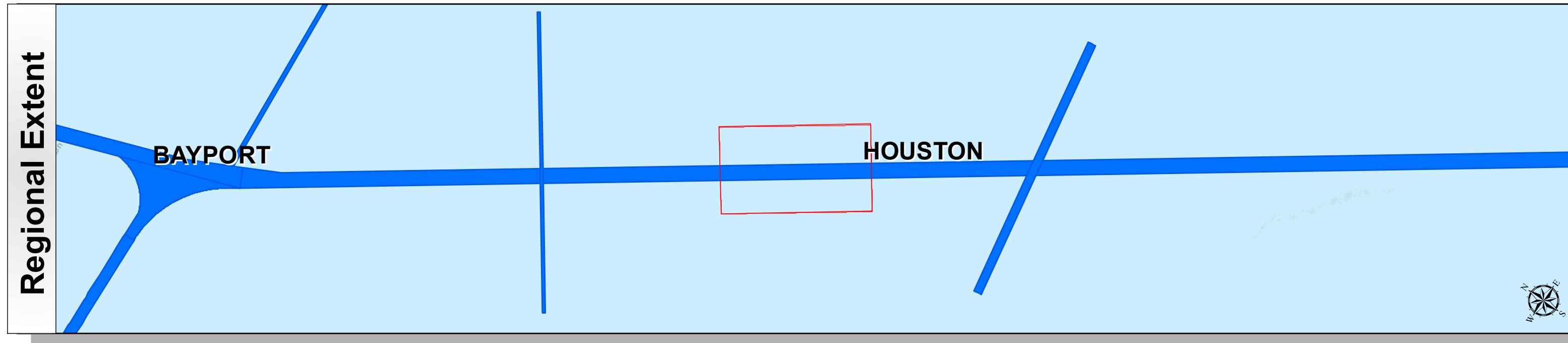
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U.S. ARMY ENGINEER DISTRICT  
CORPS OF ENGINEERS  
GALVESTON, TEXAS

**Station : 78+844 to 30+091**  
**HOUSTON**  
HOUSTON, TEXAS

# Houston Ship Channel: Red Fish Light 1 to Beacon 76 (Turn)



U.S. Army Corps of Engineers  
Galveston District



**Channel Features**

- Channel Toe
- Channel Center Line
- Channel Station Lines
- Channel Dimensions

**Aids to Navigation**

- Green Side Aids
- Red Side Aids
- Lights

**MLLW**

0 - 30	30 - 35	35 - 40	40 - 42	42 - 44	44 - 46	46 - 48	48 - 50	< 50
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**NOAA Bathymetry (DREDGING REACH EXTENT)**

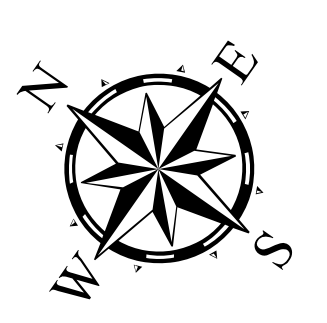
0 - 10	10 - 15	15 - 20	20 - 25	25 - 30	30 - 50
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Coordinate System: NAD 1983 StatePlane Texas South Central FIPS 4204 Feet  
Projection: Lambert Conformal Conic /Datum: North American 1983

**Dredging Reach Extent**

0 0.25 0.5 1 Miles

**Hydrographic Survey Extent**

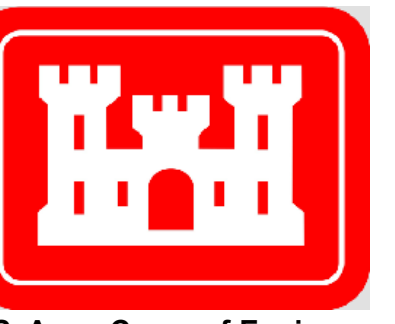
0 215 430 860 Feet

Survey Date(s): 14 November 2019	Authorized Depth: -46ft.
Page: 16 of 61	Side Slope Ratio: (Rise : Run)
Scale: 1:2,500	Additional Imagery: © DigitalGlobe Inc.
Mapped by: m3odnmng	Print Date: 11/18/2019
Additional Info:	

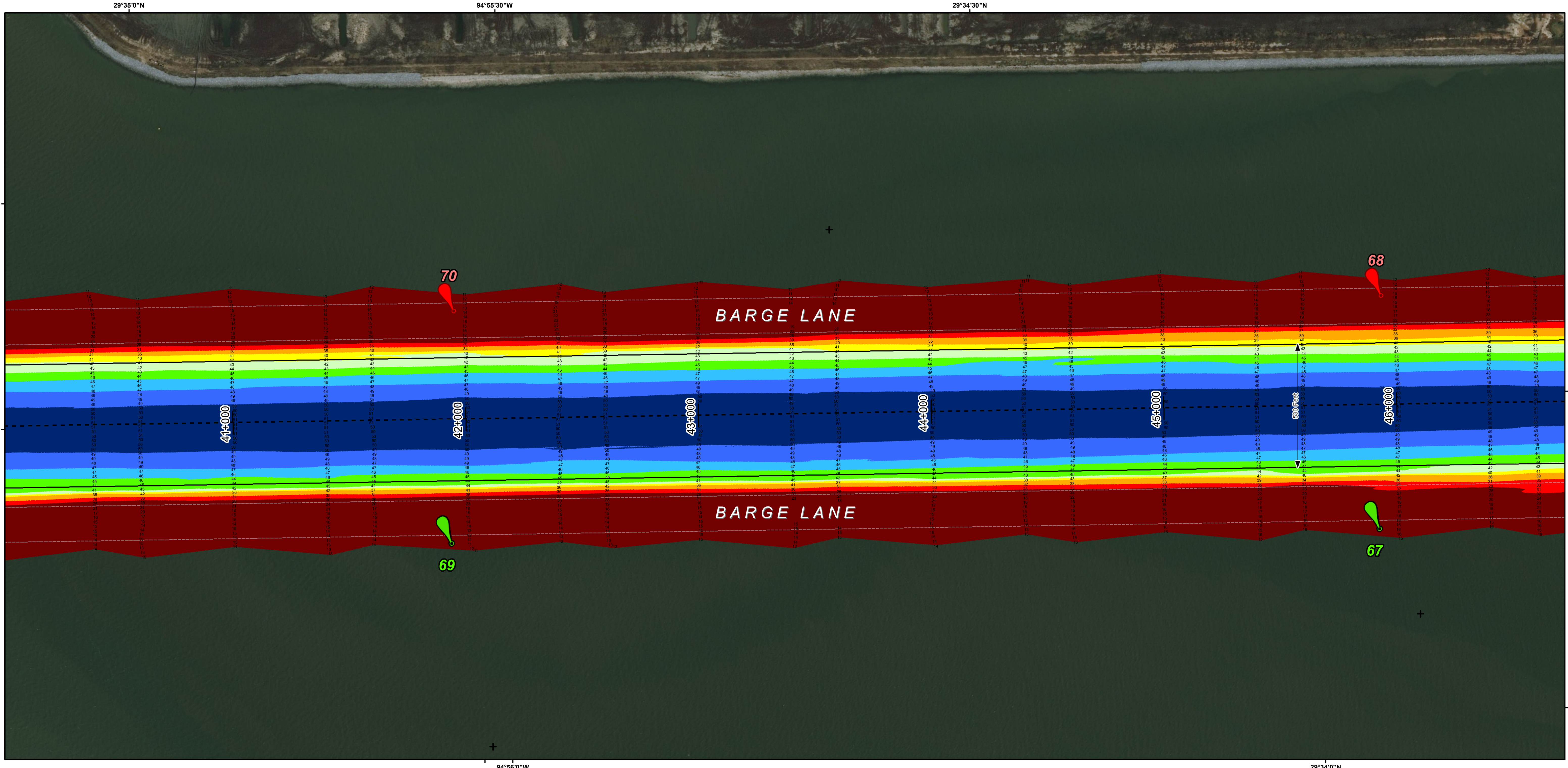
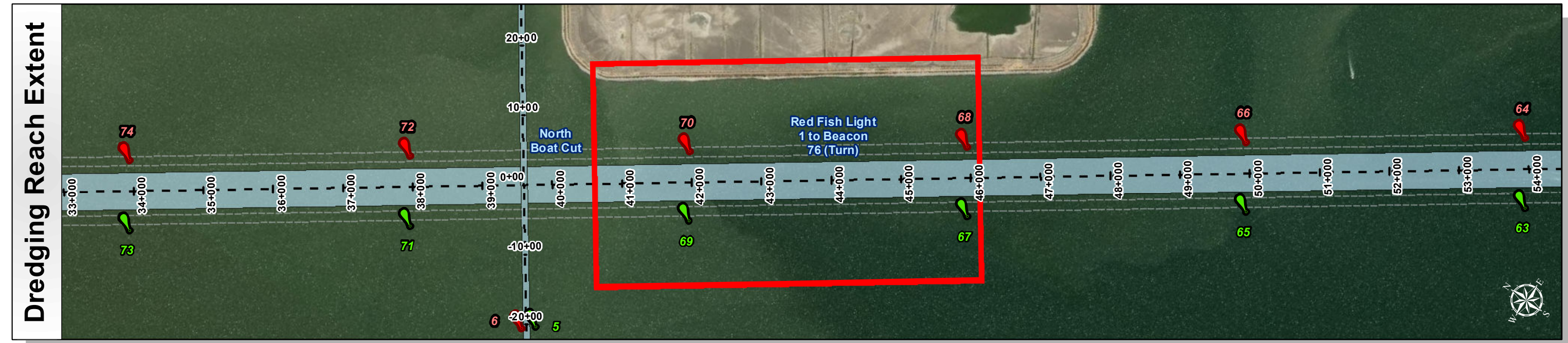
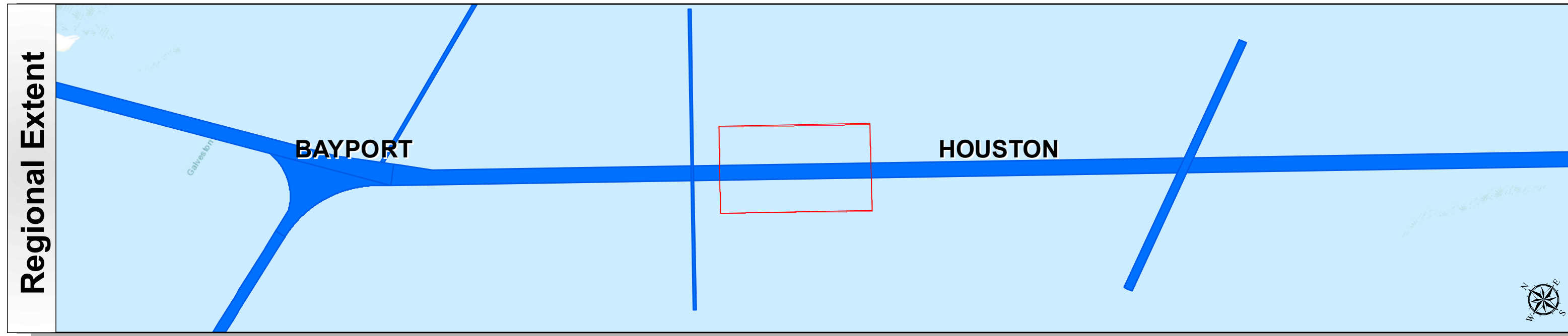
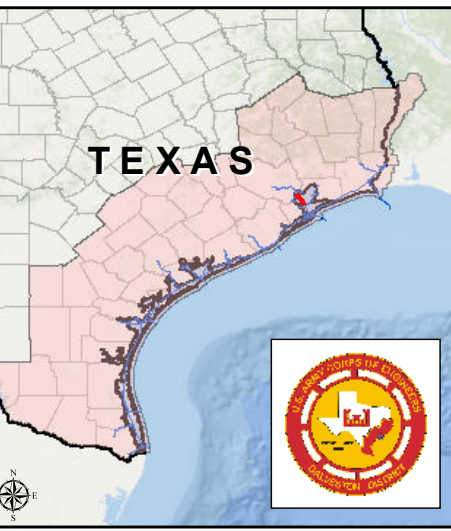
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U.S. ARMY ENGINEER DISTRICT  
CORPS OF ENGINEERS  
GALVESTON, TEXAS

**Station : 78+844 to 30+091**  
**HOUSTON**  
HOUSTON, TEXAS

# Houston Ship Channel: Red Fish Light 1 to Beacon 76 (Turn)



U.S. Army Corps of Engineers  
Galveston District



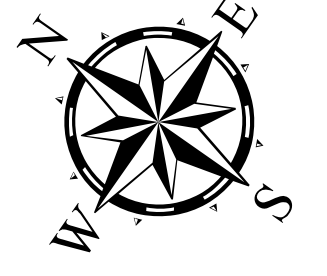
Channel Features	Aids to Navigation	MLLW
<ul style="list-style-type: none"> <li>Channel Toe</li> <li>Channel Center Line</li> <li>Channel Station Lines</li> <li>Channel Dimensions</li> </ul>	<ul style="list-style-type: none"> <li>Green Side Aids</li> <li>Red Side Aids</li> <li>Lights</li> </ul>	<p>0 - 30 30 - 35 35 - 40 40 - 42 42 - 44 44 - 46 46 - 48 48 - 50 &lt; 50</p> <p>NOAA Bathymetry (DREDGING REACH EXTENT)</p> <p>0 - 10 10 - 15 15 - 20 20 - 25 25 - 30 30 - 50</p>

**NOTES:**

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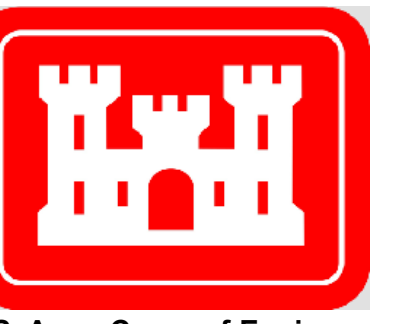
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Dredging Reach Extent 0 0.25 0.5 1 Miles
Hydrographic Survey Extent 0 215 430 860 Feet

Survey Date(s): 14 November 2019	Authorized Depth: -46ft.
Page: 17 of 61	Side Slope Ratio: (Rise : Run)
Scale: 1:2,500	Additional Imagery: © DigitalGlobe Inc.
Mapped by: m3odnmimg	Print Date: 11/18/2019
Additional Info:	

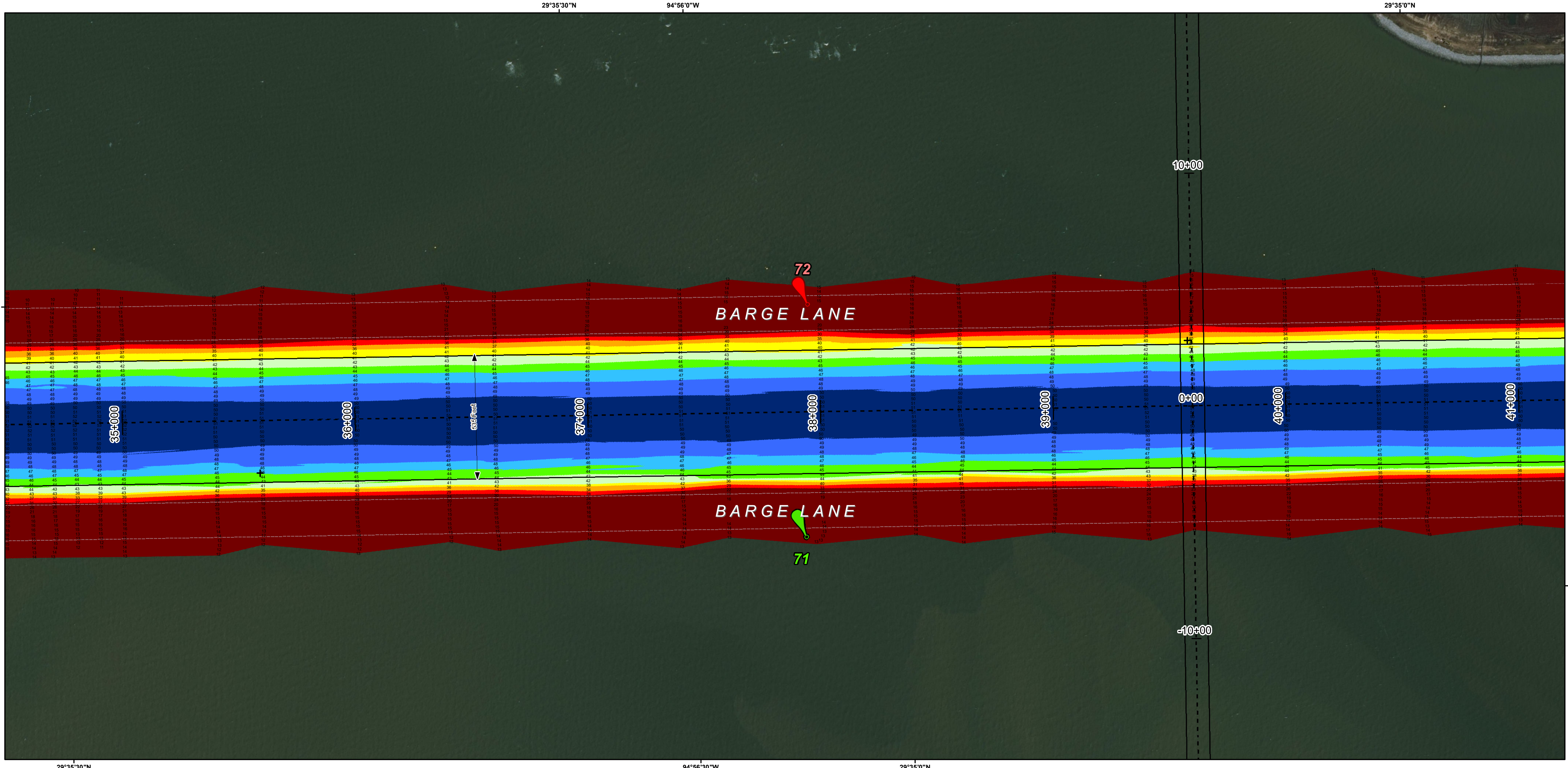
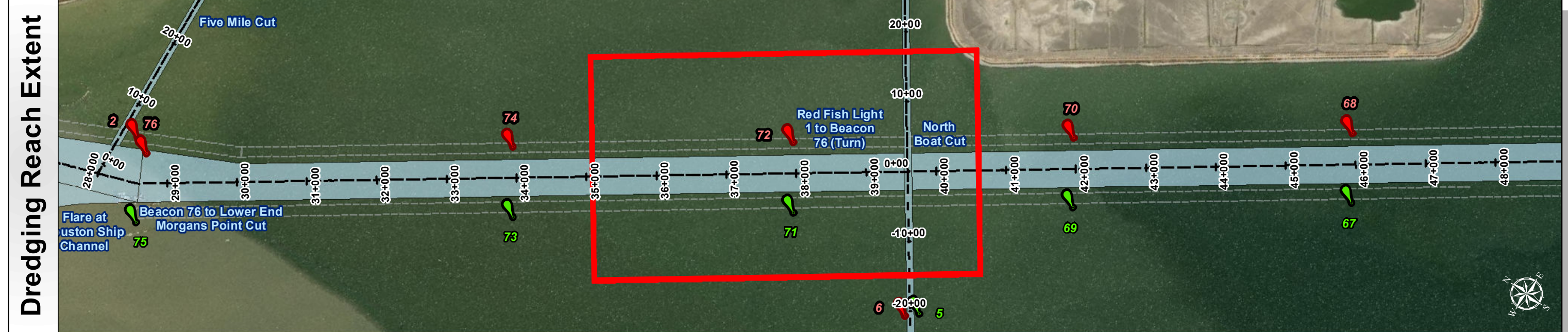
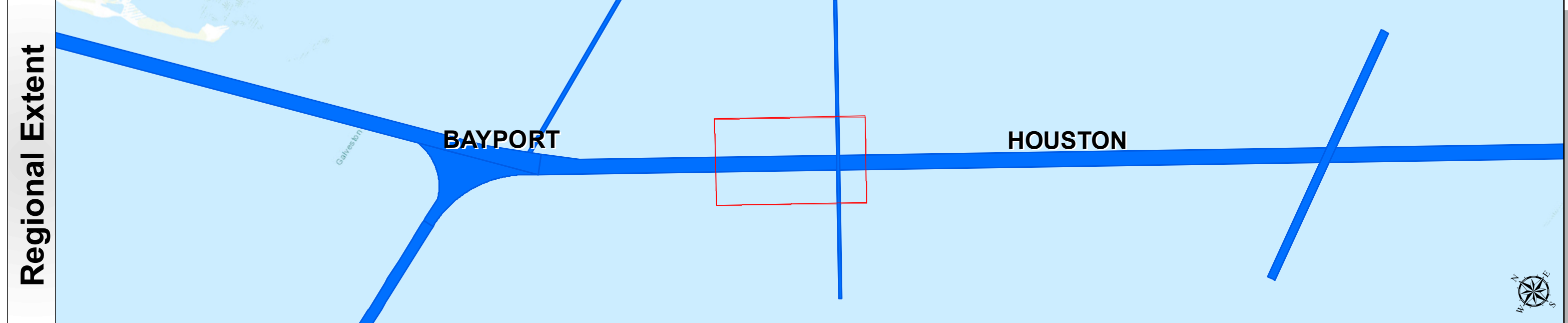
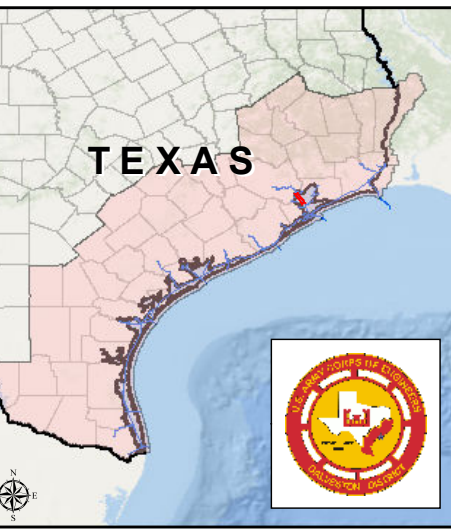
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U.S. ARMY ENGINEER DISTRICT  
CORPS OF ENGINEERS  
GALVESTON, TEXAS

**Station : 78+844 to 30+091**  
**HOUSTON**  
HOUSTON, TEXAS

# Houston Ship Channel: Red Fish Light 1 to Beacon 76 (Turn)



U.S. Army Corps of Engineers  
Galveston District



**Channel Features**

- Channel Toe
- Channel Center Line
- Channel Station Lines
- Channel Dimensions

**Aids to Navigation**

- Green Side Aids
- Red Side Aids
- Lights

**MLLW**

0 - 30	30 - 35	35 - 40	40 - 42	42 - 44	44 - 46	46 - 48	48 - 50	< 50
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**NOAA Bathymetry (DREDGING REACH EXTENT)**

0 - 10	10 - 15	15 - 20	20 - 25	25 - 30	30 - 50
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Coordinate System: NAD 1983 StatePlane Texas South Central FIPS 4204 Feet  
Projection: Lambert Conformal Conic /Datum: North American 1983

**Dredging Reach Extent**

**Hydrographic Survey Extent**

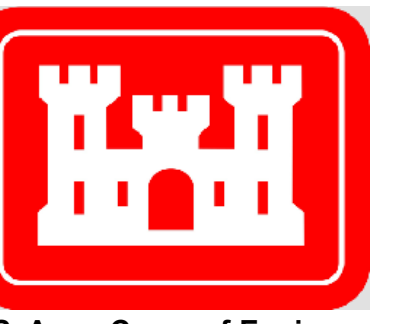
Survey Date(s): 14 November 2019	Authorized Depth: -46ft.
Page: 18 of 61	Side Slope Ratio: (Rise : Run)
Scale: 1:2,500	Additional Imagery: © DigitalGlobe Inc.
Mapped by: m3odnm1m	Print Date: 11/18/2019
Additional Info:	

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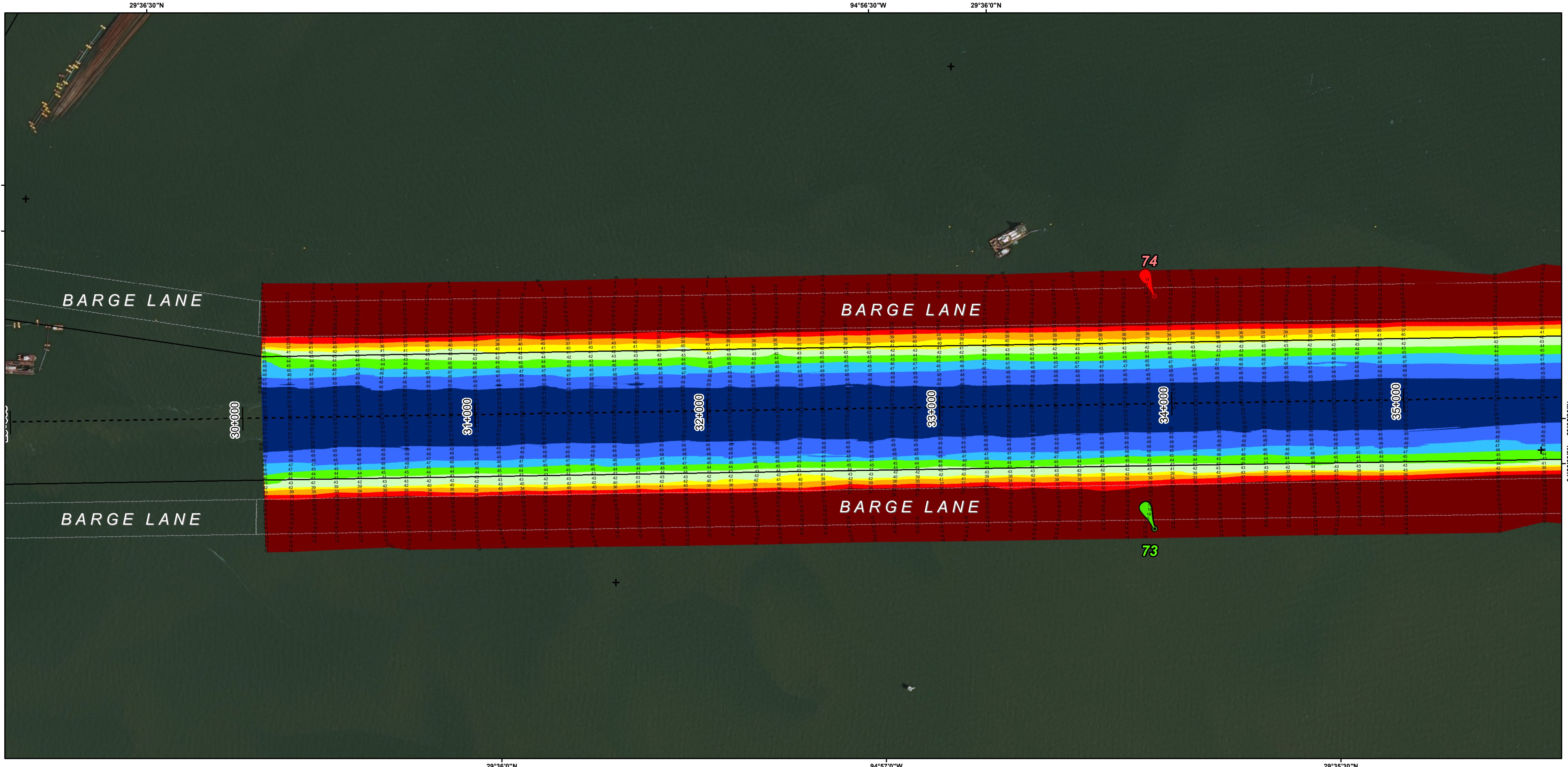
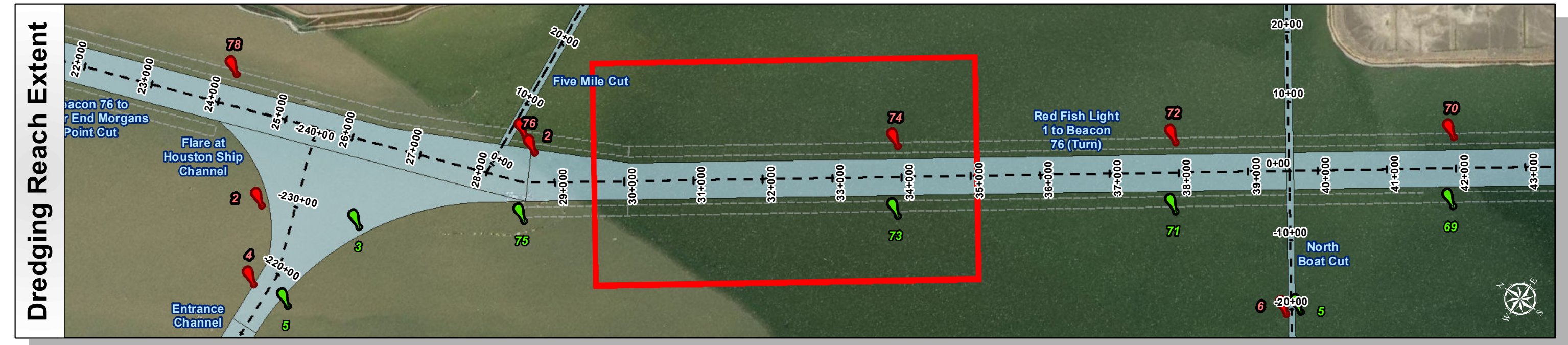
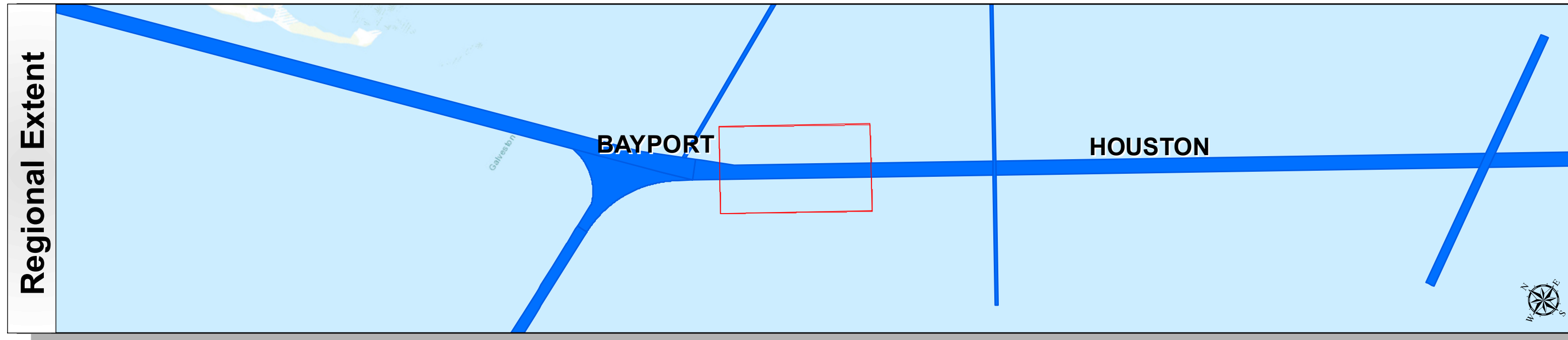
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U.S. Army Corps of Engineers  
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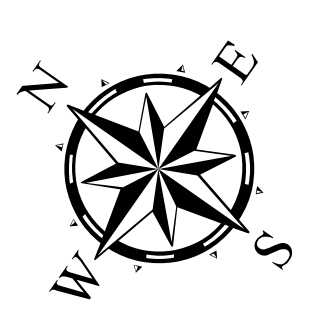
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Hydrographic Survey Extent 0   215   430   860 Feet

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