As of 06/22/2017 05:00 CDT, water levels along the Gulf Coast from southern Texas to the Florida panhandle remain elevated and range between 1.5 and 3.3 feet above normal tide levels. Winds generally range from 15 to 25 knots with gusts between 30 and 35 knots observed over the past several hours. Winds are increasing from Galveston Bay, TX to Freshwater Canal Locks, LA. Barometric pressure has been falling rapidly near the border between Louisiana and Texas.
SELECT NATIONAL HURRICANE CENTER ADVISORY INFORMATION:

Tropical Storm Cindy Advisory Number 11
NWS National Hurricane Center Miami FL
400 AM CDT Thu Jun 22 2017

...CINDY MAKES LANDFALL IN SOUTHWESTERN LOUISIANA...

WATCHES AND WARNINGS
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CHANGES WITH THIS ADVISORY:

The Tropical Storm Warning is discontinued east of Morgan City Louisiana and west of High Island Texas.

SUMMARY OF WATCHES AND WARNINGS IN EFFECT:

A Tropical Storm Warning is in effect for...  
* High Island Texas to Morgan City Louisiana

Interests elsewhere along the U.S. Gulf Coast from the central Texas coast to the western Florida Panhandle should monitor the progress of this system.

For storm information specific to your area, including possible inland watches and warnings, please monitor products issued by your local National Weather Service forecast office.

DISCUSSION AND 48-HOUR OUTLOOK
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Radar and surface observations indicate that Cindy made landfall between Cameron, Louisiana and Port Arthur, Texas within the last couple of hours.

At 400 AM CDT, the center of Tropical Storm Cindy was located ABOUT 30 MI...45 KM WSW OF LAKE CHARLES LOUISIANA. Cindy is moving toward the north near 12 mph, and a turn toward the north-northeast is expected tonight, followed by a turn toward the northeast on Friday. On the forecast track, the center will move into southeastern Arkansas early Friday, and into Tennessee later on Friday.

Maximum sustained winds have decreased to near 40 mph with higher gusts. Continued weakening is forecast during the next 48 hours, and Cindy should weaken to a tropical depression later today, and become a remnant low tonight.
Tropical-storm-force winds extend outward up to 70 miles to the southeast and southwest of the center.

The estimated minimum central pressure is 994 mb.

HAZARDS AFFECTING LAND
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RAINFALL: Cindy is expected to produce rain accumulations of 3 to 6 inches with isolated maximum amounts up to 12 inches over eastern Texas, western and central Louisiana and southern and eastern Arkansas through Friday morning. Additional rainfall amounts of 2 to 4 inches with isolated maximum amounts of 8 inches over southern Mississippi, southern and central Alabama and extreme western Florida Panhandle are expected through Friday morning. This rainfall could cause life-threatening flash flooding in these areas.

Rainfall is expected to begin and expand across parts of the Tennessee and Ohio valleys. Rainfall amounts of 1 to 2 inches with isolated maximum amounts of 4 inches are expected through Friday morning.

WIND: Tropical storm conditions are affecting portions of the Tropical Storm Warning area. These conditions should subside in a few hours.

STORM SURGE: Inundation of 1 to 3 feet above ground level is expected along the coast in portions of the Tropical Storm Warning area. Inundation of 1 to 3 feet above ground level is also possible elsewhere along the coast from southeastern Louisiana to the western Florida Panhandle in areas of strong onshore winds.

TORNADOES: A few tornadoes are possible through tonight from the lower Mississippi and Tennessee Valley regions to the central Gulf Coast.

NEXT ADVISORY
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Next intermediate advisory at 700 AM CDT.
Next complete advisory at 1000 AM CDT.

$$
Forecaster Pasch

For the purpose of timely release, data contained within this QuickLook have undergone a "limited" NOS Quality Assurance/Control; however, the data have not yet undergone final verification. All data subject to NOS verification.

Last Observed Sample: 06/22/2017 04:18 (CDT). Data relative to MHHW

- Observed: 2.38 ft. Predicted: -0.01 ft. Residual: 2.39 ft.
- Historical Maximum Water Level: Mar 20 2012, 1.91 ft.
- Next High Tide: 06/22/2017 12:41 (CDT), -0.16 ft.

Last Observed Sample: 06/22/2017 04:18 (CDT)

- Wind Speed: 11 knots
- Gusts: 13 knots
- Direction: 153° T
NOAA/NOS/CO-OPS 8770822 Texas Point, Sabine Pass, TX

Barometric Pressure

Last Observed Sample: 06/22/2017 04:18 (CDT)
Barometric Pressure: 995.4 mb

NOAA/NOS/CO-OPS 8768094 Calcasieu Pass, LA

Preliminary Water Level, relative to Mean Higher High Water(MHHW)

Last Observed Sample: 06/22/2017 04:12 (CDT). Data relative to MHHW
Observed: 2.59 ft. Predicted: 0.21 ft. Residual: 2.38 ft.
Historical Maximum Water Level: Sep 13 2008, 9.96 ft.
Next High Tide: 06/22/2017 12:37 (CDT), 0.10 ft.
Last Observed Sample: 06/22/2017 04:12 (CDT)

Wind Speed: 26 knots  Gusts: 32 knots  Direction: 196° T

Barometric Pressure: 996.5 mb
NOAA/NOS/CO-OPS 8766072 Freshwater Canal Locks, LA

Last Observed Sample: 06/22/2017 04:18 (CDT). Data relative to MHHW
Observed: 3.07 ft. Predicted: 0.07 ft. Residual: 3.00 ft.
Historical Maximum Water Level: Sep 12 2008, 7.98 ft.
Next High Tide: 06/22/2017 12:14 (CDT), -0.16 ft.

NOAA/NOS/CO-OPS 8766072 Freshwater Canal Locks, LA

Wind Speed / Gusts / Direction

Last Observed Sample: 06/22/2017 04:18 (CDT)
Wind Speed: 22 knots Gusts: 26 knots Direction: 161° T
Last Observed Sample: 06/22/2017 04:18 (CDT). Data relative to MHHW:
- Observed: 3.29 ft.
- Predicted: 0.37 ft.
- Residual: 2.92 ft.
- Historical Maximum Water Level: Sep 12 2008, 5.90 ft.
- Next High Tide: 06/22/2017 12:48 (CDT), -0.04 ft.

Last Observed Sample: 06/22/2017 04:18 (CDT)
- Wind Speed: 10 knots
- Gusts: 23 knots
- Direction: 147° T
NOAA/NOS/CO-OPS 8761724 Grand Isle, LA

**Preliminary Water Level, relative to Mean Higher High Water (MHHW)**

Last Observed Sample: 06/22/2017 04:18 (CDT). Data relative to MHHW

- **Observed:** 1.45 ft.
- **Predicted:** -0.10 ft.
- **Residual:** 1.55 ft.

Historical Maximum Water Level: Aug 29 2012, 4.45 ft.

Next High Tide: 06/22/2017 08:44 (CDT), 0.27 ft.

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NOAA/NOS/CO-OPS 8761724 Grand Isle, LA

**Wind Speed / Gusts / Direction**

Last Observed Sample: 06/22/2017 04:18 (CDT)

- **Wind Speed:** 14 knots
- **Gusts:** 21 knots
- **Direction:** 175° T
Last Observed Sample: 06/22/2017 04:12 (CDT). Data relative to MHHW

- Observed: 1.58 ft.  Predicted: -0.90 ft.  Residual: 2.48 ft.
- Next High Tide: 06/22/2017 12:52 (CDT), 0.17 ft.

Last Observed Sample: 06/22/2017 04:12 (CDT)

- Wind Speed: 15 knots  Gusts: 20 knots  Direction: 162° T
Last Observed Sample: 06/22/2017 04:18 (CDT). Data relative to MHHW
Observed: 1.56 ft. Predicted: -0.18 ft. Residual: 1.74 ft.
Historical Maximum Water Level: n/a
Next High Tide: 06/22/2017 09:30 (CDT), 0.36 ft.

Last Observed Sample: 06/22/2017 04:18 (CDT)
Wind Speed: 13 knots Gusts: 22 knots Direction: 157° T
Last Observed Sample: 06/22/2017 04:12 (CDT). Data relative to MHHW
Observed: 2.28 ft.  Predicted: -0.56 ft.  Residual: 2.84 ft.
Historical Maximum Water Level: Sep 1 2008, 9.10 ft.
Next High Tide: 06/22/2017 10:27 (CDT), 0.24 ft.

Wind Speed: 16 knots  Gusts: 21 knots  Direction: 172° T
NOAA/NOS/CO-OPS 8741533 Pascagoula NOAA Lab, MS

Preliminary Water Level, relative to Mean Higher High Water (MHHW)

Last Observed Sample: 06/22/2017 04:12 (CDT). Data relative to MHHW
Observed: 1.86 ft. Predicted: -0.30 ft. Residual: 2.16 ft.
Historical Maximum Water Level: Sep 1 2008, 4.90 ft.
Next High Tide: 06/22/2017 08:36 (CDT), 0.28 ft.

NOAA/NOS/CO-OPS 8737048 Mobile State Docks, AL

Preliminary Water Level, relative to Mean Higher High Water (MHHW)

Last Observed Sample: 06/22/2017 04:12 (CDT). Data relative to MHHW
Observed: 1.69 ft. Predicted: -0.59 ft. Residual: 2.28 ft.
Historical Maximum Water Level: Aug 29 2012, 3.67 ft.
Next High Tide: 06/22/2017 11:00 (CDT), 0.24 ft.
NOAA/NOS/CO-OPS 8735180 Dauphin Island, AL

Preliminary Water Level, relative to Mean Higher High Water (MHHW)

Last Observed Sample: 06/22/2017 04:12 (CDT). Data relative to MHHW
- Observed: 1.35 ft.
- Predicted: -0.35 ft.
- Residual: 1.70 ft.
- Historical Maximum Water Level: Sep 16 2004, 5.94 ft.
- Next High Tide: 06/22/2017 09:10 (CDT), 0.33 ft.

NOAA/NOS/CO-OPS 8729840 Pensacola, FL

Preliminary Water Level, relative to Mean Higher High Water (MHHW)

Last Observed Sample: 06/22/2017 04:12 (CDT). Data relative to MHHW
- Observed: 1.34 ft.
- Predicted: -0.34 ft.
- Residual: 1.68 ft.
- Historical Maximum Water Level: Sep 18 1926, 7.41 ft.
- Next High Tide: 06/22/2017 09:39 (CDT), 0.41 ft.
NOAA/NOS/CO-OPS 8771341 Galveston Bay Entrance, North Jetty, TX

Preliminary Water Level, relative to Mean Higher High Water (MHHW)

<table>
<thead>
<tr>
<th>Date</th>
<th>Predicted</th>
<th>Observed</th>
<th>Residual</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Tide</td>
<td>MHHW</td>
<td>WMHH</td>
</tr>
<tr>
<td>06/22/2017</td>
<td>0.27 ft</td>
<td>1.56 ft</td>
<td>1.29 ft</td>
</tr>
</tbody>
</table>

Historical Maximum Water Level: Jul 15 2003, 4.08 ft.
Next High Tide: 06/22/2017 04:21 (CDT), 0.27 ft.

Last Observed Sample: 06/22/2017 04:12 (CDT). Data relative to MHHW

Wind Speed: 21 knots
Gusts: 25 knots
Direction: 294° T
NOAA/NOS/CO-OPS 8771341 Galveston Bay Entrance, North Jetty, TX

Barometric Pressure

Last Observed Sample: 06/22/2017 04:12 (CDT)
Barometric Pressure: 998.4 mb

NOAA/NOS/CO-OPS 8772447 Freeport, TX

Preliminary Water Level, relative to Mean Higher High Water (MHHW)

Last Observed Sample: 06/22/2017 04:12 (CDT). Data relative to MHHW
Observed: 1.50 ft. Predicted: 0.22 ft. Residual: 1.28 ft.
Historical Maximum Water Level: Sep 12 2008, 5.58 ft.
Next High Tide: 06/23/2017 04:59 (CDT), 0.35 ft.
Wind Speed / Gusts / Direction

Last Observed Sample: 06/22/2017 04:12 (CDT)
Wind Speed: 10 knots Gusts: 14 knots Direction: 263° T

Barometric Pressure

Last Observed Sample: 06/22/2017 04:12 (CDT)
Barometric Pressure: 1002.0 mb
Last Observed Sample: 06/22/2017 04:12 (CDT). Data relative to MHHW
Historical Maximum Water Level: n/a
Next High Tide: 06/22/2017 11:19 (CDT), 0.16 ft.

Last Observed Sample: 06/22/2017 04:12 (CDT)
Wind Speed: 10 knots Gusts: 12 knots Direction: 302° T
Last Observed Sample: 06/22/2017 04:18 (CDT). Data relative to MHHW
Observed: 1.38 ft. Predicted: -0.59 ft. Residual: 1.97 ft.
Historical Maximum Water Level: n/a
Next High Tide: 06/23/2017 04:50 (CDT), 0.22 ft.

Last Observed Sample: 06/22/2017 04:18 (CDT)
Wind Speed: 7 knots Gusts: 8 knots Direction: 211° T
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<thead>
<tr>
<th>Station ID</th>
<th>Station Name</th>
<th>Date/Time</th>
<th>Observed Water Level</th>
<th>Predicted Tide</th>
<th>Residual Water Level</th>
<th>24 Hour Maximum Storm Tide</th>
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<tbody>
<tr>
<td>8770822</td>
<td>Texas Point, Sabine Pass, TX</td>
<td>06/22/2017 04:18 (CDT)</td>
<td>2.38 ft</td>
<td>-0.01 ft</td>
<td>2.39 ft</td>
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<td>8768094</td>
<td>Calcasieu Pass, LA</td>
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<td>2.59 ft</td>
<td>0.21 ft</td>
<td>2.38 ft</td>
<td>2.94 ft</td>
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<td>Freshwater Canal Locks, LA</td>
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<td>3.07 ft</td>
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<td>4.24 ft</td>
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<td>3.29 ft</td>
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<td>Grand Isle, LA</td>
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<td>1.45 ft</td>
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<td>1.94 ft</td>
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<td>-0.56 ft</td>
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<td>3.17 ft</td>
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<td>8741533</td>
<td>Pascagoula NOAA Lab, MS</td>
<td>06/22/2017 04:12 (CDT)</td>
<td>1.86 ft</td>
<td>-0.30 ft</td>
<td>2.16 ft</td>
<td>2.29 ft</td>
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<td>8737048</td>
<td>Mobile State Docks, AL</td>
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<td>1.69 ft</td>
<td>-0.59 ft</td>
<td>2.28 ft</td>
<td>2.19 ft</td>
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<td>Dauphin Island, AL</td>
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<td>Pensacola, FL</td>
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<td>-0.34 ft</td>
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<td>Galveston Bay Entrance, North Jetty, TX</td>
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<td>1.38 ft</td>
<td>-0.59 ft</td>
<td>1.97 ft</td>
<td>1.38 ft</td>
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