## FEDERAL EMERGENCY MANAGEMENT AGENCY COASTAL ANALYSIS FORM

## PAPERWORK REDUCTION ACT

Public reporting burden for this form is estimated to average 1 hour per response. The burden estimate includes the time for reviewing instructions, searching existing data sources, gathering and maintaining the needed data, and completing, reviewing, and submitting the form. You are not required to respond to this collection of information unless a valid OMB control number appears in the upper right corner of this form. Send comments regarding the accuracy of the burden estimate and any suggestions for reducing this burden to: Information Collections Management, Federal Emergency Management Agency, 500 C Street, SW, Washington DC 20472, Paperwork Reduction Project (3067-0148). Submission of the form is required to obtain or retain benefits under the National Flood Insurance Program. **Please do not send your completed survey to the above address.** 

Flooding Source: **Note:** Fill out one form for each flooding source studied

A. COASTLINE TO BE REVISED

Describe limits of study area:

<ol> <li><u>Revised Analysis</u> (i.e., erosion, wave height, wave runup, primary frontal dune, and wave overtop</li> </ol>	4. 1	Revised Analysis (i.e.	, erosion, wave he	eight, wave runup,	primary frontal dune,	and wave overtoppin	ig)
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If FEMA procedures were utilized to perform the revision, attach a detailed description of differences between the current and the revised analyses, and why the revised analysis should replace the current analysis.

If FEMA procedures were not utilized to perform the revision, provide full documentation on methodology and/or models used; including operational program, detailed differences between methodology and/or models utilized and FEMA's methodology and/or models. Also, attach an explanation of why new methodology and/or models should replace current methodology and/or models.

If revision reflects more detailed topographic information and fill has been/will be placed in a V Zone, and is not protected from erosion by a shore protection structure, provide a detailed description of how the fill has been treated in the revised analysis.

5. Wave Runup, Wave Height, And Wave Overtopping Analysis

Wave height analyses along a transect are greatly affected by starting wave conditions that propagate inland. Wave runup and overtopping analyses are typically considered when wave heights and/or wave runup are close to or greater than the crest of shore protection structures or natural land forms.

a. Was an analysis performed to determine starting wave height and period for input into WHAFIS?

If Yes, attach an explanation of the method utilized. If No, explain why these analyses were not performed.

- b. Was wave setup included in wave height analysis and removed for erosion and wave runup analyses?
   Yes No
- c. Was an overtopping analysis performed for any coastal shore protection structures or natural land forms that may be overtopped?

If Yes, attach an explanation of the methodology utilized and describe in detail the results of the analysis.

If overtopping was not analyzed, attach an explanation for why these analyses were not performed.

## D. RESULTS

1. 2.	Stillwater storm surge elev Wave setup:	vation: fe	eet Datum	8.	As a result of the revised analyses, the V Zone location has a maximum of feet seaward and landward of its existing position.	shifted feet
3.	Starting deep-water signifi height:	cant wave condition: period:		9.	The Base Flood Elevations have:	
4.	Maximum wave height ele	vation:	feet		a. What was the greatest increase?	feet
5.	Maximum wave runup elevation: feet			b. What was the greatest decrease?	feet	
6.			10.	The special flood hazard area has: ☐ increased ☐ decreased ☐ both		
7.	The areas designated as o areas (V Zones) have: ☐ increased ☐ decrea	0			Attach a description where it has increased or decreased.	
Atta	Attach a description where they have increased and/or decreased.					

## E. MAPPING REQUIREMENTS

A certified topographic map must be submitted showing the following information (where applicable): effective, existing conditions, and proposed conditions 1%-annual-chance floodplain boundaries, revised shoreline due to either erosion or accretion, location and alignment of all transects, correct location and alignment of any structures, current community easements and boundaries, boundary of the requester's property, certification of a professional engineer registered in the subject State, location and description of reference marks, and the referenced vertical datum (NGVD, NAVD, etc.).

Note that the existing or proposed conditions floodplain boundaries to be shown on the revised FIRM must tie-in with the effective floodplain boundaries. Please attach a copy of the current FIRM annotated to show the revised 1%-annual-chance floodplain boundaries that tie-in with effective 1%-annual-chance floodplain boundaries along the entire extent of the area of revision.