

Task 4A – Flood Mitigation Needs Analysis Process

- · Unit of Analysis
 - HUC = Hydrologic Unit Code
 - HUC 12 will be used as unit of analysis (local sub-watershed level that captures tributary systems)
 - 261 HUC 12 sub-watersheds



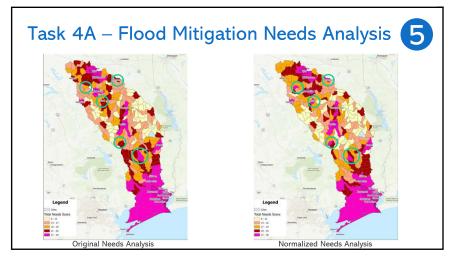
Task 4A – Scoring Analysis Update

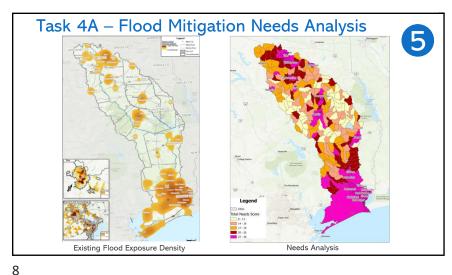
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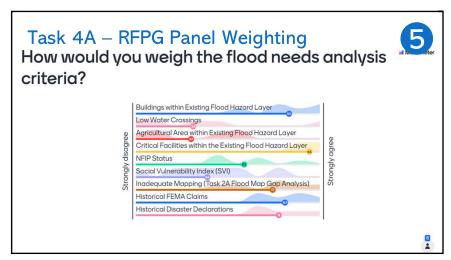
- Scoring results normalized based on HUC drainage area.
- Intended to not create a bias for higher needs in the larger HUCs.

HUC 12	Notes	Area Rank	Previous Total Score	New Total Score	HUC 12	Notes	Area Rank	Previous Total Score	New Total Score
120200030406		127	30	38	120200030205		53	37	32
120200070205		185	29	38	120200050101		73	34	32
120200030405		204	34	38	120200040104		108	34	32
120200030404	Bottom 20% of values (By area)	210	33	36	120200050104		176	33	32
120200070204	Bottom 20% of values (By area)	245	25	36	120402020300	Top 20% of values (by area)	2	26	31
120200030401		136	27	35	120402020100	Top 20% of values (by area)	5	23	31
120402010300	Top 20% of values (by area)	1	29	34	120200060406		197	22	31
120402010200	Top 20% of values (by area)	4	30	34	120200010601		202	23	31
120200070201		68	27	34	120200060407	Bottom 20% of values (By area)	213	20	31
120200030403		87	24	34	120200030402	Bottom 20% of values (By area)	239	21	31
120402010500	Bottom 20% of values (By area)	230	24	34	120100051005	Bottom 20% of values (By area)	260	18	31
120402010100	Top 20% of values (by area)	3	28	33	120402020200	Top 20% of values (by area)	7	22	30
120200020302		105	33	33	120200070103		166	28	30
120200070303		116	25	33	120200070107	Bottom 20% of values (By area)	211	24	30
120200070105		170	24	33	120200040103		95	30	29
120200070106		203	30	33	120200020306		132	34	29
120402020400	Top 20% of values (by area)	6	27	32	120200010502	Bottom 20% of values (By area)	216	29	29
120200030407	Top 20% of values (by area)	12	27	32	120200070304	Bottom 20% of values (By area)	228	24	29
120200010105	Top 20% of values (by area)	14	38	32	120200030301	Top 20% of values (by area)	17	39	28

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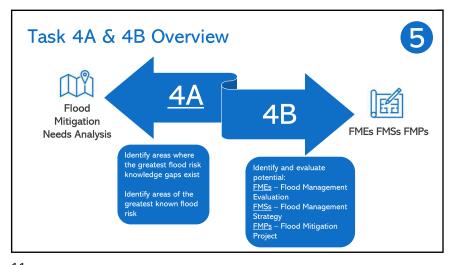


Task 4A - Emergency Need



- RFP must include an indication of whether a particular flood control situation meets an emergency need.
- Needs to be defined by RFPG & will be used to evaluate FMEs, FMSs, FMPs.
- Considerations:
 - Areas with outdated mapping (Task 2A)
 - History of severe and/or repetitive flooding (Task 1)
 - Areas with critical infrastructure within the 100-year flood hazard area (Task 2A)
 - Areas with buildings within the 100-year flood hazard area with SVI > 0.75 (Task 2A)
 - Deficient Infrastructure (Task 1)
 - Evacuation routes within a flood hazard area (Task 2A)

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Task 4B – Analysis Components



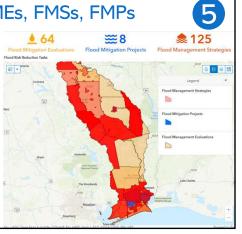
- · Continued coordination with stakeholders in the region to obtain necessary information
- Fundamental that stakeholders provide data that can be used in evaluating and identifying FMEs, FMPs, and FMSs
- For all Flood Mitigation Actions (FMEs, FMPs, and FMSs):
 - Compile Project Information including Flood Exposure Data
 - Develop planning-level Cost Estimates
 - Identify a willing Project Sponsor
- For FMPs (and some FMSs):
 - Perform Benefit-Cost Analysis
 - Provide No Negative Impact Certification

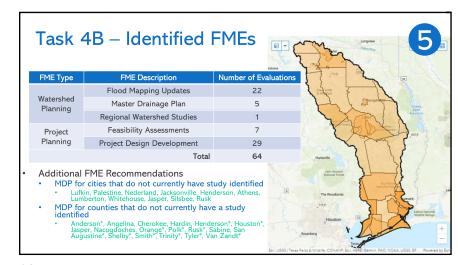
Flood Exposure Data

- (100-yr Flood) Structures
- Population
- Critical Facilities
- · Low Water Crossings
- · Agricultural Areas
- Roads

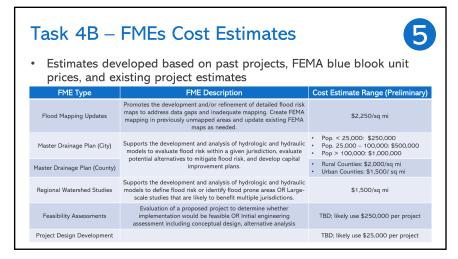


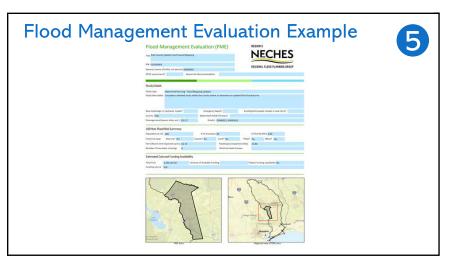
 Additional FMEs to be added based on Existing Condition Gap Analysis (Task 2A)

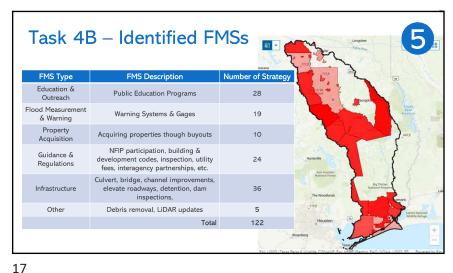


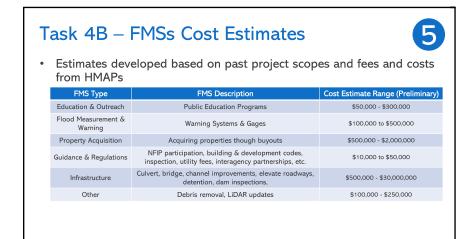


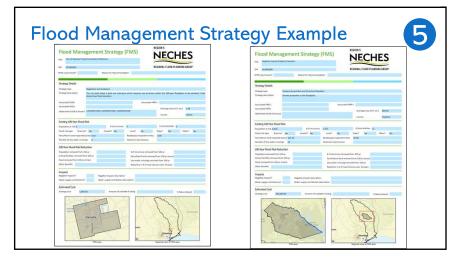
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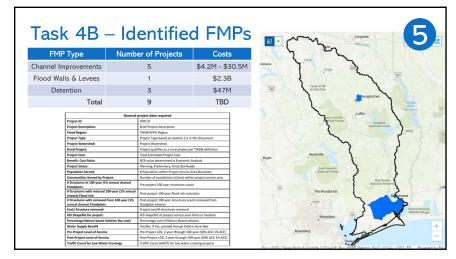


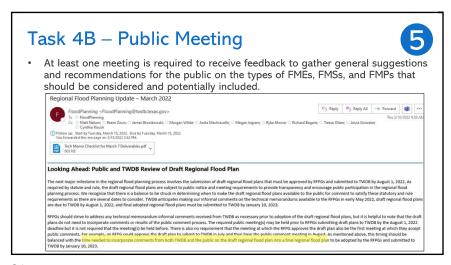


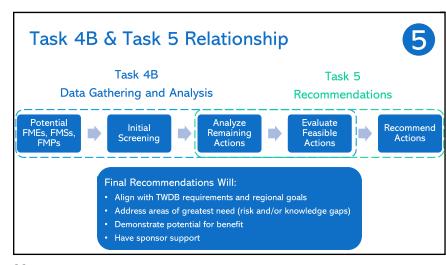












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