



Pelee Coastal Resilience Committee

Quarterly Meeting #2

Pete Zuzek, Linda Mortsch, Janice Forsyth, Larry Hildebrand
September 12, 2024

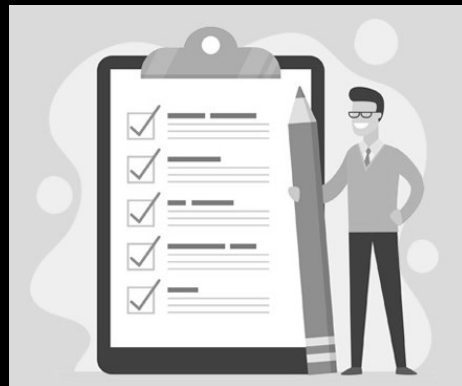


Land Acknowledgement

The Municipality of Leamington acknowledges that this land is the traditional territory of the Three Fires Confederacy of First Nations, comprised of the Ojibway, the Odawa, and the Potawatomie Peoples and specifically, the traditional territory of the Caldwell First Nation.



I – AGENDA AND MEETING GOALS



Agenda – Quarterly Meeting #2 Pelee Coastal Resilience Action Plan



Date: September 12, 2024; 10 am to 3 pm
Location: Municipality of Leamington Council Chambers; 111 Erie St N, Leamington
Meeting Goals: Determine process and timing of community engagement;
 Provide an overview of vulnerability and risk assessments;
 Discuss parameters for the adaptation concepts scorecard.

1.	Review/Approve Agenda and Minutes
	<ul style="list-style-type: none"> Welcome; Land Acknowledgement. Review and approve meeting goals and agenda. Review and approve minutes from June 13, 2024.
2.	Business arising from the minutes
	<ul style="list-style-type: none"> Matching funds from partners; other funding and leverage opportunities. Project Announcement. Review and approve logo. Terms of Reference; Vision and Goals. Climate change scenarios task team.
3.	Community Engagement
	<ul style="list-style-type: none"> Website. Overview of engagement process, timing, and participants.
Lunch (at appropriate time)	
	<ul style="list-style-type: none"> Brought in.
4.	Year 1 Work Plan
	<ul style="list-style-type: none"> Expanding Previous Vulnerability and Risk Assessments. Presentation and discussion regarding future Task Teams.
5.	Adaptation Scorecard
	<ul style="list-style-type: none"> Presentation and Parameters. Group Work and draft concepts.
6.	Other Business
	<ul style="list-style-type: none"> As required.
7.	Next Meeting and Adjourn
	<ul style="list-style-type: none"> December 12, 2024 (County of Essex Municipal Offices). Meeting adjourned.



DRAFT Minutes

Quarterly Meeting #1: Pelee Coastal Resilience Committee

Date: June 13, 2024
 Location: Municipality of Leamington Council Chambers
 Attendees:

Present	Organization	Member	Initials
✓	Caldwell First Nation	Susan Sullivan	SS
x	Walpole First Nation	TBD	
✓	County of Essex	Rebecca Belanger	RB
✓	Municipality of Leamington	Bill Fuerth	BF
✓	Municipality of Leamington	Rob Sharon	RS
x	Town of Kingsville	Richard Wyma	RW
✓	Town of Kingsville	Tim Del Greco	TDG
x	Town of Essex	Kevin Girard	KG
x	Town of Essex	David McBeth	
x	Town of Essex	Erica Tilley	
x	Municipality of Chatham-Kent	Edward Soldo	ES
x	Municipality of Chatham-Kent	Brigan Barlow	BB
x	LTVCA	Jason Wintermute	JW
✓	LTVCA	Mark Peacock	MP
✓	ERCA	James Bryant	JB
x	ERCA	Tian Martin	TM
✓	Leamington District Chamber of Commerce	Diane Malenfant	DM
x	Leamington District Chamber of Commerce	Wendy Parsons	WP
✓	South Essex Community Council		CW
x	Leamington Shoreline Association	Wayne King	WK
x	PPNP Citizens Advisory Committee	Charbel Saad	CS
✓	Nature Conservancy of Canada	Kristyn Richardson	KR
x	Nature Conservancy of Canada	Luke King	LK
x	Nature Conservancy of Canada	Jill Crosthwaite	JC
x	Nature Conservancy of Canada	Brett Norman	BN
x	Ontario Greenhouse Vegetable Growers	Aaron Coristine	AC
x	Presteve77 Foods Ltd.	Vald DeMelo	VD
x	Wheatley Harbour Authority	Bobby Cabral	BC
x	DFO, Integrated Planning	Cindy Mitton-Wilkie	CMW
✓	DFO, Integrated Planning	Emily Champagne	EC
✓	DFO, Integrated Planning	X	
x	DFO, SCH	Adele Butcher	AB
x	DFO, SCH	Jennifer Thomas	JT
x	DFO, SCH	Annette Winter	AW

x	DFO, SCH	Mike MacDiarmid	MM
x	ECCC	Greg Mayne	GM
x	ECCC	Jody McKenna	JM
✓	Parks Canada	Julie Charlton	JC
X	Parks Canada	Scott Parker	SP
✓	Parks Canada	Tammy Dobbie	TD
✓	University of Waterloo	Linda Mortsch	LM
✓	Foresight Management Consulting	Janice Forsyth	JF
✓	Zuzek Inc.	Pete Zuzek	PZ
✓	County of Essex	Student, Ethan	

1.	Review/Approve Agenda and Introductions
	<ul style="list-style-type: none"> • PZ welcomed everyone to the meeting. • Attendees introduced themselves. • Minutes from May 10th Kickoff Teams meeting approved. <p>AGENDA</p> <ul style="list-style-type: none"> • Janice reviewed the agenda. • Pete advanced a motion to accept the agenda, Aaron seconded. Passed. <p>MEMBERSHIP</p> <ul style="list-style-type: none"> • Janice introduced the post-it <u>exercise</u> to identify which dimension(s) of a resilient coast - social, economic, ecological, and physical - closely aligned with the organizations present. The primary dimension being (yellow) and the secondary (green). General discussion followed and it was determined that the four dimensions of a resilience coast were well represented by the existing Committee members. • Picture of results below. • A PDF version of the poster, with the post-its converted to digital text, is also attached to these minutes.

II – BUSINESS ARISING FROM THE MINUTES





Other Funding Opportunities

- Need to organize matching cash from partners for Year 1
- Other funding sources and leverage opportunities:
 - Town of Essex confirmed 30k on July 2
 - First Nation Adapt funding for Caldwell FN participation (180k, in preparation)
 - Applied to MECP's Great Lakes Program for beachgrass nurseries (waiting)
 - Caldwell First Nation received 15M for Hillman's southern dike (DMAF)



NRCan Approved a Project Announcement

- We are permitted to make a project announcement within the committee member organizations and networks. We were asked not to report the NRCan funding amount. No media and no interviews.

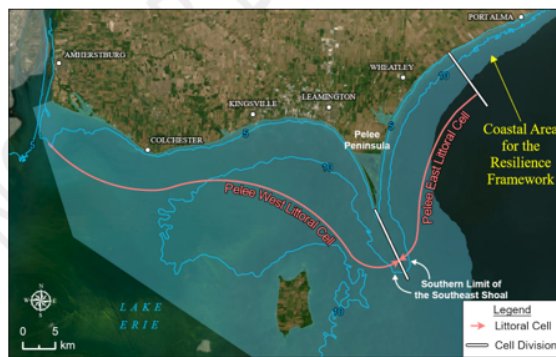


DRAFT Project Announcement, 2024.09.10

PELEE COASTAL RESILIENCE COMMITTEE AND ACTION PLAN

The Pelee Coastal Resilience Committee was formed in the fall of 2023 with funding from Environment and Climate Change Canada. The Committee made a successful application to Natural Resources Canada's Climate Resilience Coastal Communities Program for a project to develop a Coastal Resilience Action Plan for the Pelee Coast. To date, members include regional and local municipalities, conservation authorities, Caldwell First Nation, landowner associations, community groups, local businesses, and social and environmental non-profits as well as senior levels of government. All Committee members provide staff support to develop the Action Plan. Several partners, including the County of Essex, Municipality of Leamington, Town of Kingsville, Town of Essex, and the Essex Region Conservation Authority, also provided direct funding to the project.

The Coastal Resilience Action Plan focuses on two stretches of the Lake Erie coast, called littoral cells, that converge on the Pelee Peninsula. The geographic extent includes: 1) the Pelee West littoral cell, which stretches from Amherstburg at the mouth of the Detroit River to the tip of Point Pelee National Park and the underwater footprint of the Southeast Shoal, and 2) the Pelee East littoral cell, which extends from the Port Alma area in Chatham-Kent to the Southeast Shoal. Refer to the map below.



p.1



The Committee has developed a **vision** to guide the project:

Communities, economies, and the natural environment in our Great Lakes coastal areas are resilient to current and emerging stresses. Through collaboration, partners and residents are empowered to take collective action that improves coastal resilience through equitable, inclusive, and sustainable adaptation.

Details on the project can be found on the website: www.peleecoastal.ca. Please visit the site regularly for updates on meetings, notifications of community engagement opportunities, and to download information resources.

The Committee is dedicated to continuous engagement with the community throughout the project duration from 2024 to 2027. The first step is developing a baseline for the coastal area to establish social, economic, ecological, and physical characteristics and priorities. Next, vulnerability to coastal hazards and climate change will be assessed. Starting in April 2025, climate change adaptations will be co-developed with the communities and stakeholders to increase coastal resilience through the Action Plan. In 2026 and 2027 financial resources have been set aside to implement selected priority adaptations to increase resilience of the coast in the two littoral cells.

p.2

NOT FOR DISTRIBUTION



Final Logo





Vision - Final - Pelee Coastal Resilience Committee

- Communities, economies and the natural environment in our Great Lakes coastal areas are resilient to current and emerging stresses. Through collaboration, partners and residents are empowered to take collective action that improves coastal resilience through equitable, inclusive and sustainable adaptation.



Goals - Final - Pelee Coastal Resilience Committee

- Promote integrated coastal governance where the locally-focused Pelee Coastal Resilience Committee recognizes Indigenous leadership and knowledge and engages with First Nations rights holders with their free and prior informed consent.
- Co-develop an integrated coastal resilience plan with an “all-of-society approach” that leverages existing knowledge, new understandings, and collaborative ways of working together to establish coordinated priorities and take collective action. The Pelee Coastal Resilience Committee is linked with a broader, lake-wide research, regulatory, and institutional network for coordination and support.
- Provide opportunities to braid Indigenous Traditional Knowledge and western science through shared learning and knowledge exchange to build capacity in the broader community, assess the state of the coastal system, further resilience planning and priority setting, and implement adaptation projects to achieve desired resilience outcomes.
- Promote, encourage and support implementation of adaptation projects that respect the complex and interconnected nature of the coastal system. Adaptations include those undertaken at varying time frames (short- and long-term) and spatial scales (community to regional scale) as well as those that create equitable, responsible, sustainable and transformative changes.



Climate Change Scenarios Task Team

- Previous meeting had to be cancelled. Reschedule (James, Rebecca, Mark, Edward, Pete, Linda) ...
- Goals:
 - Establish an approach to select appropriate climate change scenarios for the vulnerability assessment and design of climate change adaptations
 - An approach for the erosion and flooding hazard was recently developed for the Essex County hazard mapping update
 - Need to establish an approach for the Chatham-Kent portion of the shoreline
 - Rainfall scenarios for coastal communities

III – COMMUNITY ENGAGEMENT





Draft Project Website (*still password protected*)

- <https://peleecoastal.ca/>
- Discussion on future content
- Committee member organizations listed on website?

Pelee Coastal

HOME ABOUT COMMITTEE ENGAGEMENT RESOURCES CONTACT

Pelee Coastal Resilience Committee and Action Plan

The Pelee Coastal Resilience Committee was formed in the fall of 2023 with funding from Environment and Climate Change Canada. The Committee made a successful application to Natural Resources Canada's Climate Resilience Coastal Communities Program to develop a Coastal Resilience Action Plan for the Pelee Coast. Additional details on the project, the committee, community engagement, and outputs are provided on the remaining web site pages.

OUR VISION

Communities, economies, and the natural environment in our Great Lakes coastal areas are resilient to current and emerging stresses. Through collaboration, partners and residents are empowered to take collective action that improves coastal resilience through equitable, inclusive and sustainable adaptation.

Pelee Peninsula
Littoral Cell
Coastal Area for the Resilience Framework
Pelee Coastal
Southern Limit of the Southeast Shoal
LAKE
Legend



Community Engagement

- Utilize a “knowledge mobilization” approach to encourage early dialogue and information exchange with those most at risk of being impacted; cocreating the development of adaptation concepts.
- Utilize a DEI lens in all we do.
- Utilize different modalities for outreach:
 - website;
 - focus groups;
 - workshops
 - Committee members information sharing with own organizations and other relevant groups



Overview of Equity, Diversity, Inclusion

- **Diversity:** acknowledges all the ways people differ, race, sex, gender, age, sexual orientation, disability, socioeconomic status, religious beliefs and more.
- **Equity:** distributes resources based on needs. Equity tries to correct imbalances by creating more opportunities for people who have historically had less access.
- **Inclusion:** diversity in practice, it's the act of welcoming, supporting, respecting, and valuing all individuals and groups.



Timeline for Engagement and Process for Adaptation Planning and Implementation

Engagement	Focus	Timeline
Website	Information sharing and project updates	September 2024
Focus Groups	Gain input regarding project objectives, vulnerable areas, priorities	October 2024
Public Workshop #1	Information sharing and education (overall project goal, baseline assessment, vulnerability assessment)	November 2024
Public Workshop #2	Co-create adaptation concepts; Discuss themes such as sedimentation, flood risks, etc.	May 2025
Public Workshop #3	Final concepts and draft adaptations; Discuss and prioritize adaptation concepts	April 2026
Committee Members information sharing	Information sharing and project updates	Ongoing



Community Engagement – Committee Input

Focus Groups	Workshops
<ul style="list-style-type: none">• Existing groups that meet regularly• Request time on agenda <p>Examples:</p> <ul style="list-style-type: none">• Migrant Worker Community program• Leamington Chamber of Commerce Board of Directors• Town of Leamington Seniors Advisory Committee• Town of Essex Accessibility Advisory Committee• Chatham-Kent ...	<ul style="list-style-type: none">• Two workshops (East and West)• Two time slots 2:00 – 4:00 p.m. and 6:00 – 8:00 p.m.• Posters on arrival, formal presentation, Q&A, closure and exit survey for feedback and questions• Discuss locations for workshops and role for Committee members



Group Work – Discussion on Approach for Focus Groups and Workshops

- Focus Groups:

- What do we want to share?
- Questions to ask; what do we want to know?

- Workshops:

“What is the most important aspect of the project?”

“ With respect to flooding and erosion hazards, what are the most vulnerable areas between Amherstburg and Port Alma?”

“ What are your priorities when evaluating long-term solutions to increase coastal resilience to climate change and coastal hazards?”,

LUNCH



IV – Year 1 Work Plan

SUMMARY PROJECT SCHEDULE	STEP 1 - FY24/25				STEP 2 - FY25/26				STEP 3 - FY26/27				STEP 4 - FY27		
	May '24 to Mar. '25				Apr. '25 to Mar. '26				Apr. '26 to Mar. '27				Ending Dec.'27		
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
GOVERNANCE (COMMITTEE MEETINGS, ETC.)	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12	as required		
STEP 1 - BASELINE ASSESSMENT AND VULNERABILITY															
STEP 2 - RESILIENCE PLAN DEVELOPMENT															
STEP 3 - TAKE ACTION TO IMPLEMENT SELECT PROJECTS															
STEP 4 - EVALUATE OUTCOMES AND REPORTING															

LEGEND Workshop Consultation

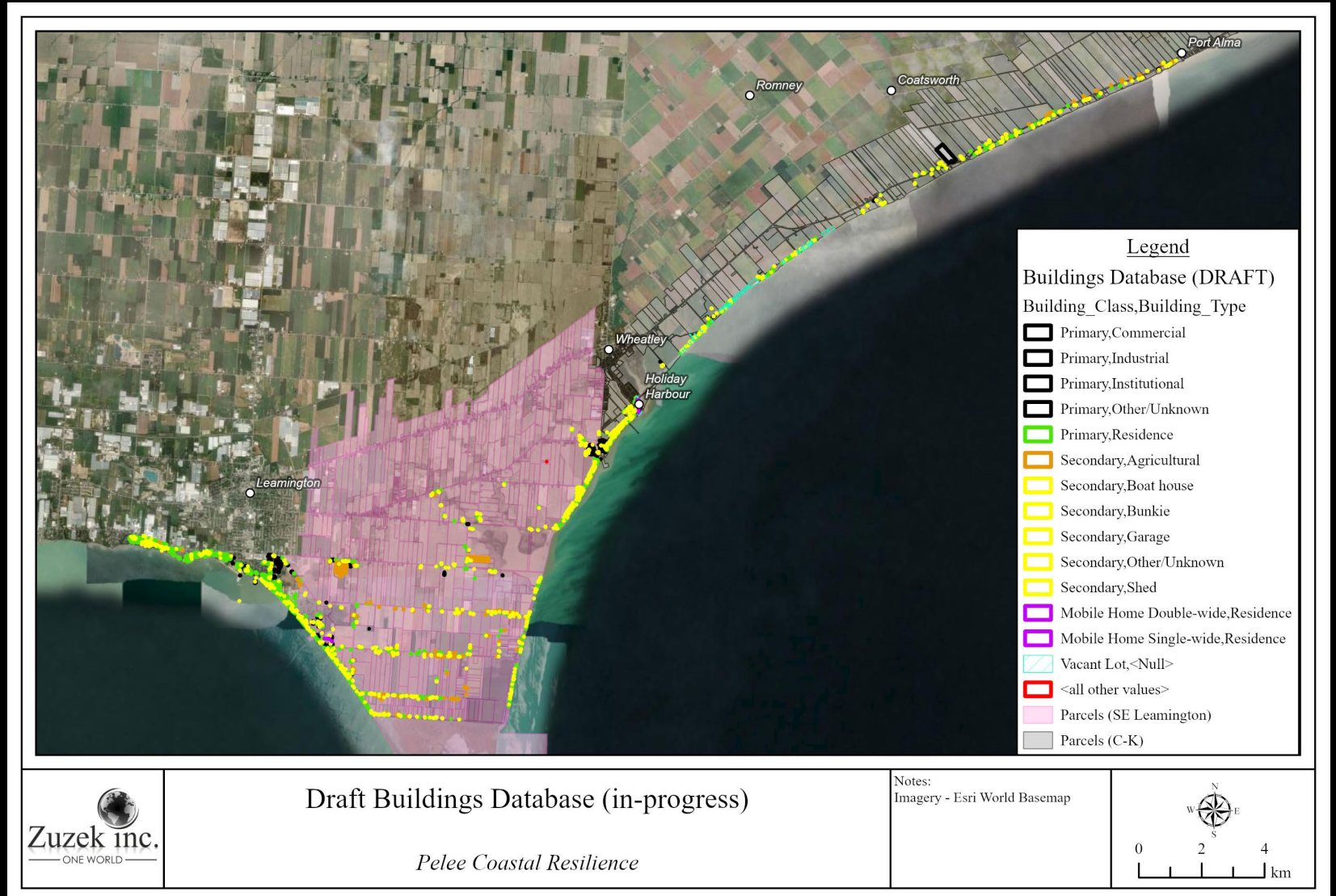


Parameters of Erosion and Flood Vulnerability

- To date, focused on land, buildings, and building contents (more to do ...)
- Economic calculations:
 - Based on assessment values for properties (NOT MARKET VALUE)
 - Assessment values are not 2024
 - Some recently development without an updated assessed value
- Potential damages not included (yet ...)
 - Value of agricultural crops and other economic considerations (roads/utilities)
 - Physical systems along the coast (sediment supply, beaches, alongshore transport)
 - Ecosystems and the goods and services they provide
 - Social networks and systems

Building Types

- Primary and secondary building types





Property Parcel, Buildings, and Assessment Data

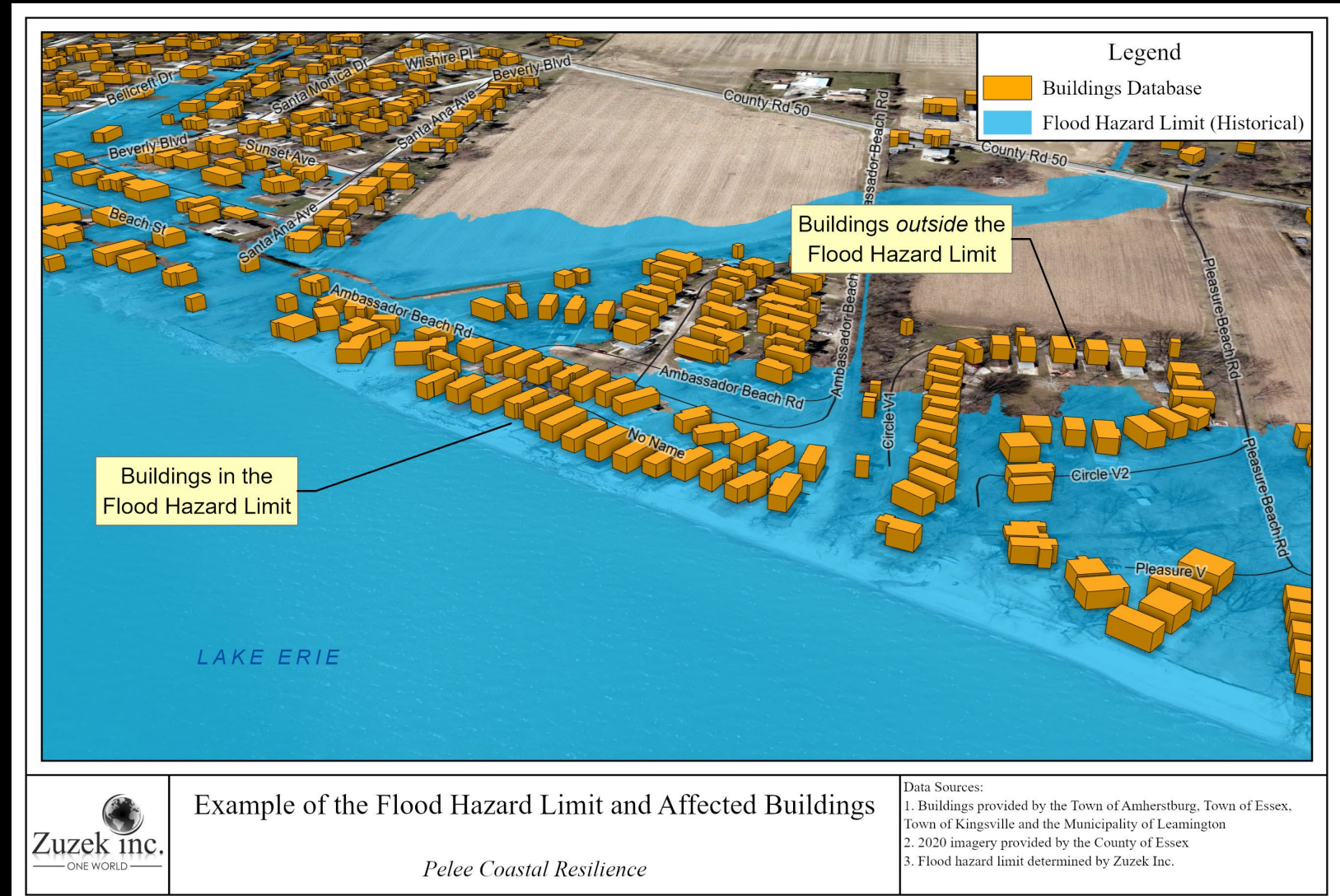
- Examples of property parcel database, attributed by building type
- Mid-century climate change flood hazard limit
- 100-year erosion hazard limit





Flood Hazard Mapping and Buildings Layer

- 100-year Flood Hazard Limit and Building Layers

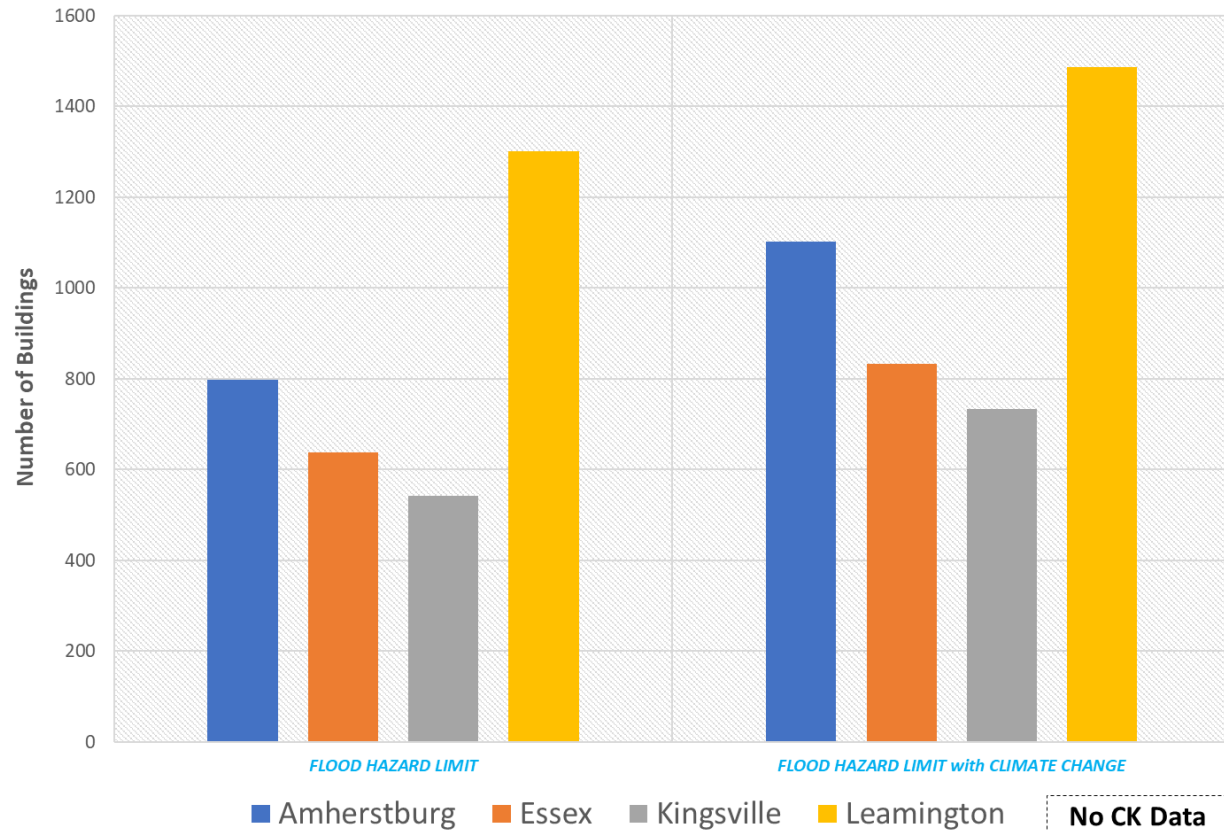




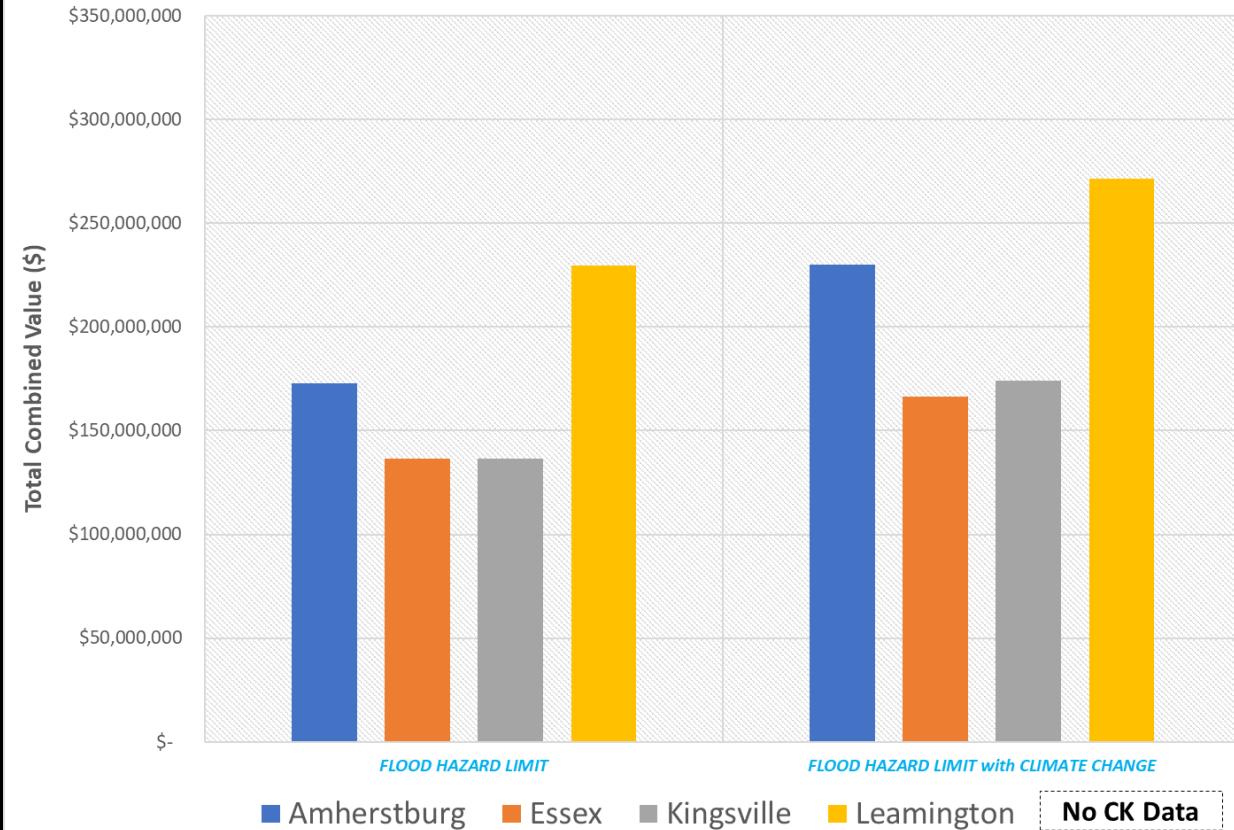
DRAFT Flooding Vulnerability Assessment

- Number of flood prone buildings and economic value

Count of All Buildings within Flood Hazards (Primary + Secondary)

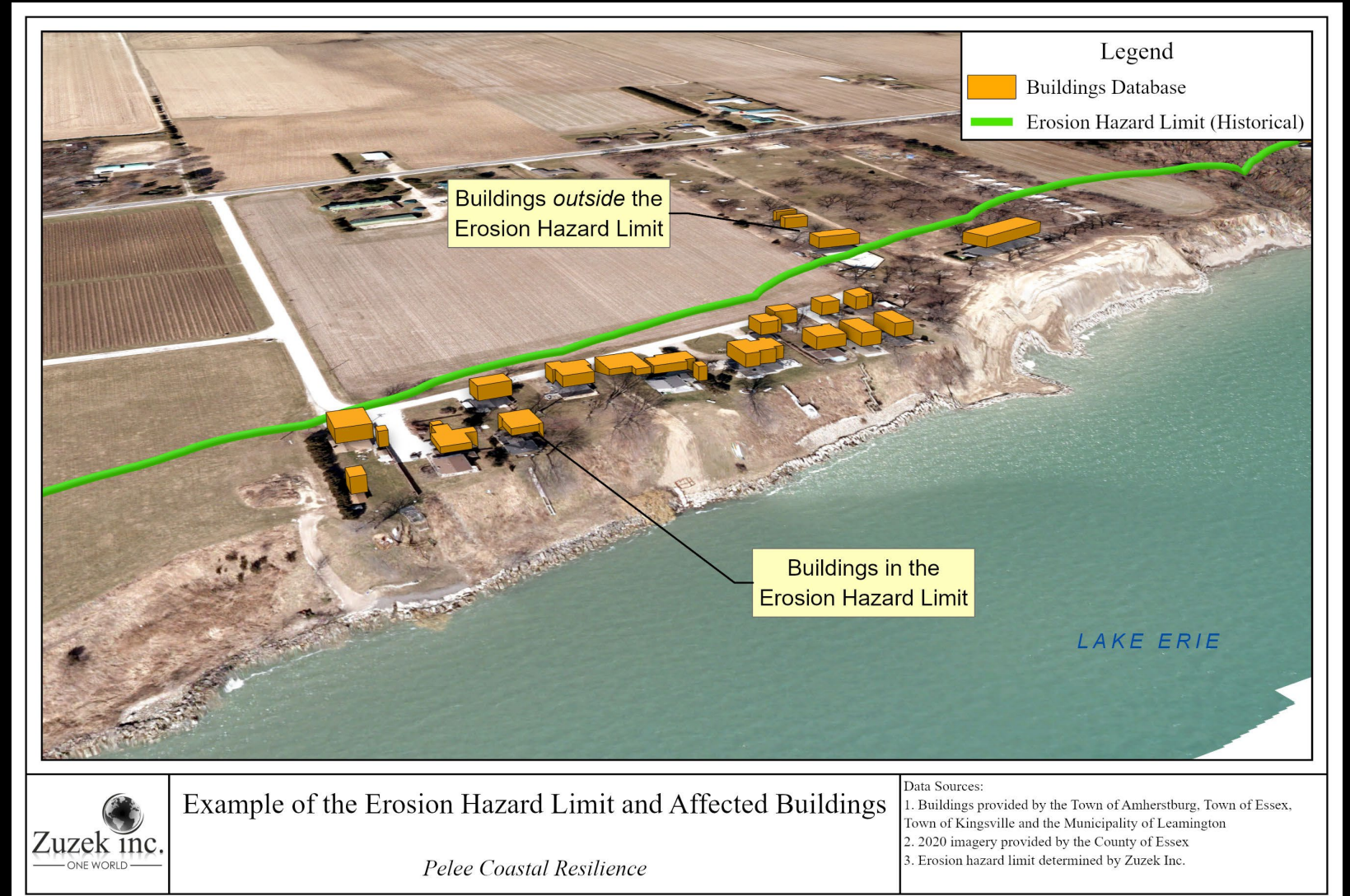


Combined Value of All Buildings, Contents, Land within Flood Hazards



Erosion Vulnerability Assessment

- 100-year Erosion Hazard Limit and Building Layers

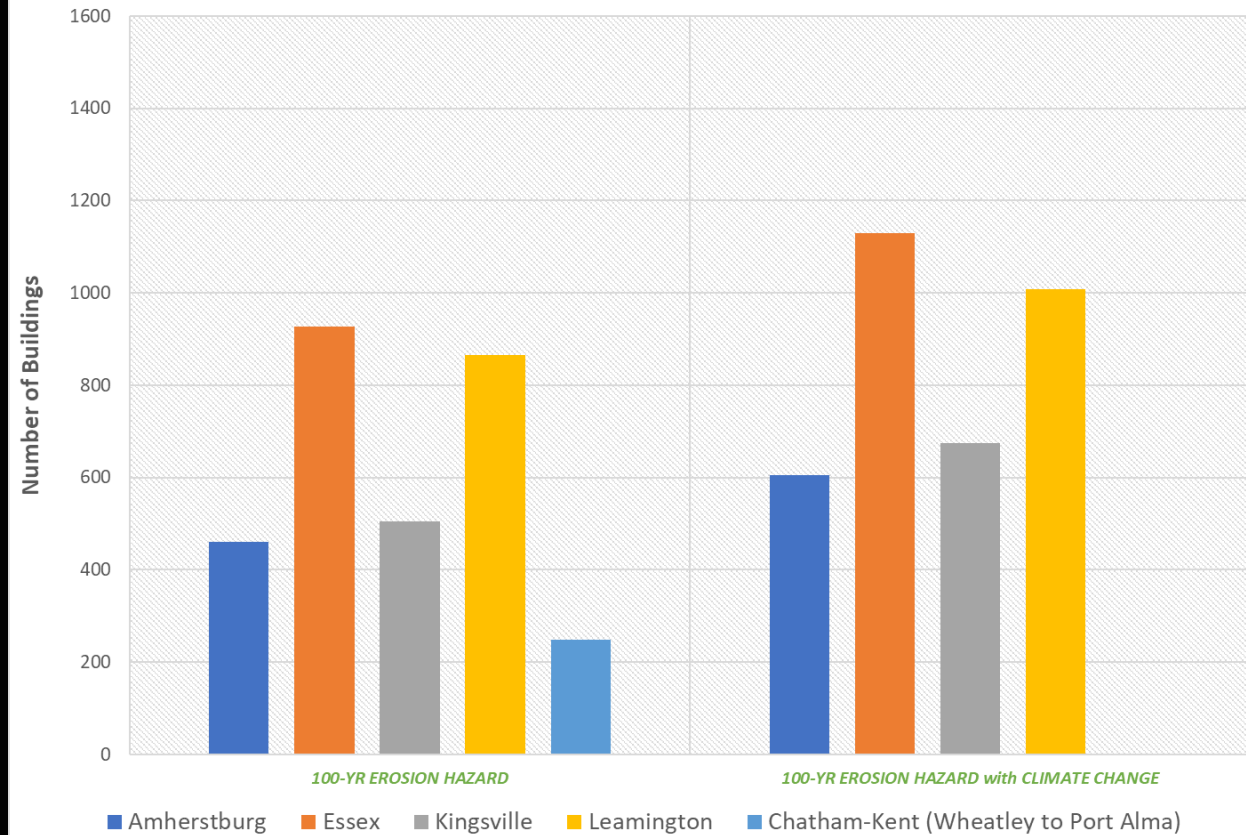




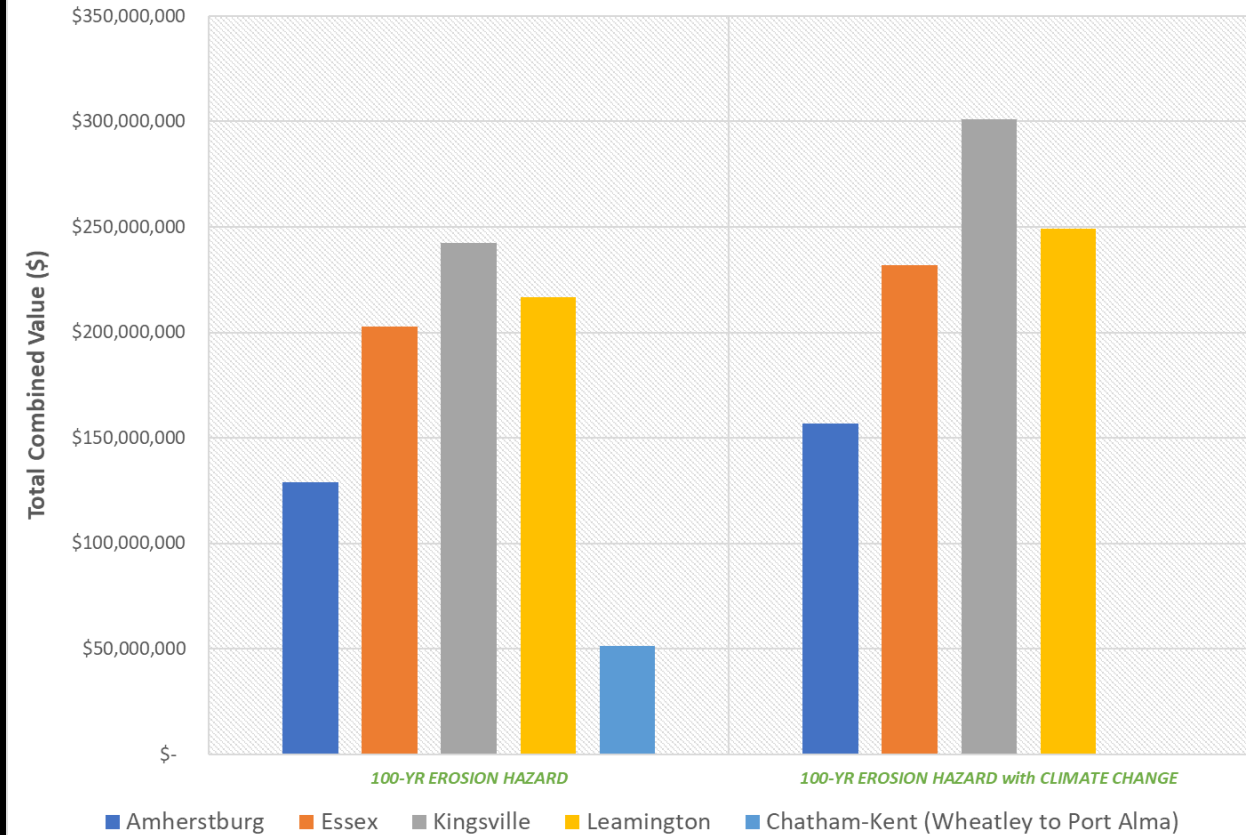
DRAFT Erosion Vulnerability Assessment

- Number of buildings within the 100-year Erosion Hazard Limit and economic value

Count of All Buildings within Erosion Hazards (Primary + Secondary)



Combined Value of All Buildings, Contents, Land within Erosion Hazards





Harbour Sedimentation at Wheatley and Kingsville (August 2024)

- Wheatley boats approach outside of channel and Kingsville no Ferry access





New Task Teams Needed

- Creating Three Task Teams (short duration, 1 to 2 meetings in October 2024):
 - Ecological/habitat/species baseline and vulnerability
 - Business/economy baseline and vulnerability
 - Social baseline and vulnerability

- Future meetings to:
 - Review lists developed at June meeting
 - To list existing data sources and information for baseline assessment
 - To identify any existing information on vulnerability
 - Future needs (data, vulnerability) and identification of individuals that can assist

V – ADAPTATION SCORE CARD / DECISION SUPPORT TOOL



Example: Dimensions and objectives for co-designing a just resilience balance scorecard

Dimensions	Objectives for Just Resilience		
	Adaptation	Risk Reduction	Sustainability
Finance	Funding for adaptation targeting the most vulnerable	Funding for DRR targeting those disproportionately exposed to disaster risks	Addressing drivers of vulnerability through dedicated funds
Process	Promote transparent, inclusive processes for cross-sectoral adaptation	Enhance inclusive processes to ensure those exposed are heard in DRR planning and strategies	Develop processes that recognize and value experiences and knowledge of communities
Beneficiaries	Empower communities through resilience and adaptation	Effective risk assessments and contingency plans including vulnerable across all phases	Access to resources and equal environmental policies implications.
Learning and Innovation	Acknowledge diverse communities needs	Invest in research and innovation for DRR	Strengthen local risk capacities



Example – Risk Management Approach to Evaluating Adaptations

Impact on Social, Environmental, Economic, and Physical Systems

		Low	Medium	High
Probability of Hazard / Event	High	Low	Medium	High
	Medium	Low	Medium	Medium
	Low	Low	Low	Low

Example: An event with a high probability of occurrence and high impact would have a higher priority/score



Adaptation Score Card and Decision Support Tool

- Criteria needed for evaluating adaptation concepts
- Discussion groups:
 - “What criteria should be used to evaluate adaptation concepts?”
 - “Is a quantitative or qualitative decision tool preferred”
- Report out and full group discussion
- Agree on basic concepts
- Draft for December meeting

VI – OTHER BUSINESS



**VII – NEXT MEETING: DECEMBER 12,
2024, 10 am to 3 pm IN-PERSON AT
COUNTY OF ESSEX MUNICIPAL
BUILDING**

MEETING ADJOURNED