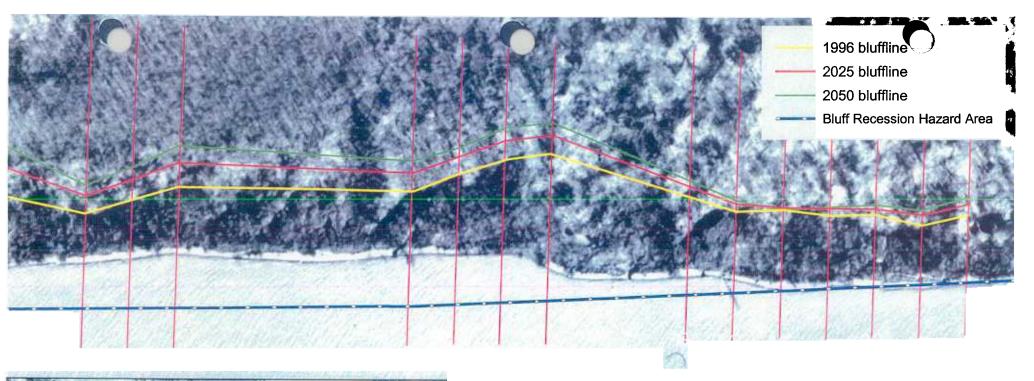


Girard Township and Lake City Borough, PA

Bluff Recession Hazard Area Maps





430	215	0	430 Feet

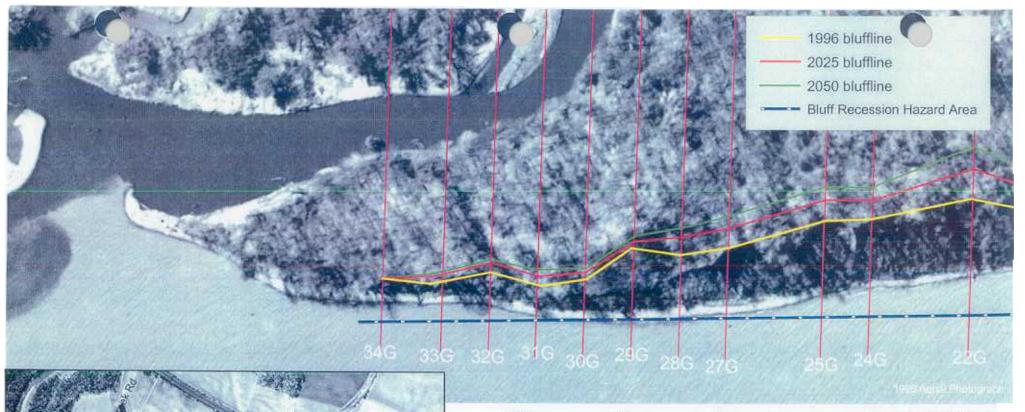
Transect	1	2	3	4	5	6	7
predicted recession by 2025	28.8	22.1	13.2	27.4	0.0	17.4	29.5
predicted recession by 2050	45.0	32.5	16.0	42.4	0.0	23.8	46.4
recession rate (ft/yr)	0.7	0.4	0.1	0.6	0.0	0.3	0.7

Transect	8	9	10	11	12	13	14
predicted recession by 2025			41.3	40.2	35.7	39.0	
predicted recession by 2050			68.4	66.2	57.8	64.0	•
recession rate (ft/yr)	discard	discard	1.1	1.0	0.9	1.0	discard

Transect	15	16	17	18	19	20	21
predicted recession by 2025	1			51.4	42.3	36.6	
predicted recession by 2050				87.1	70.2	59.5	
recession rate (ft/yr)	discard	discard	discard	1.4	1.1	0.9	discard

Girard Township, PA

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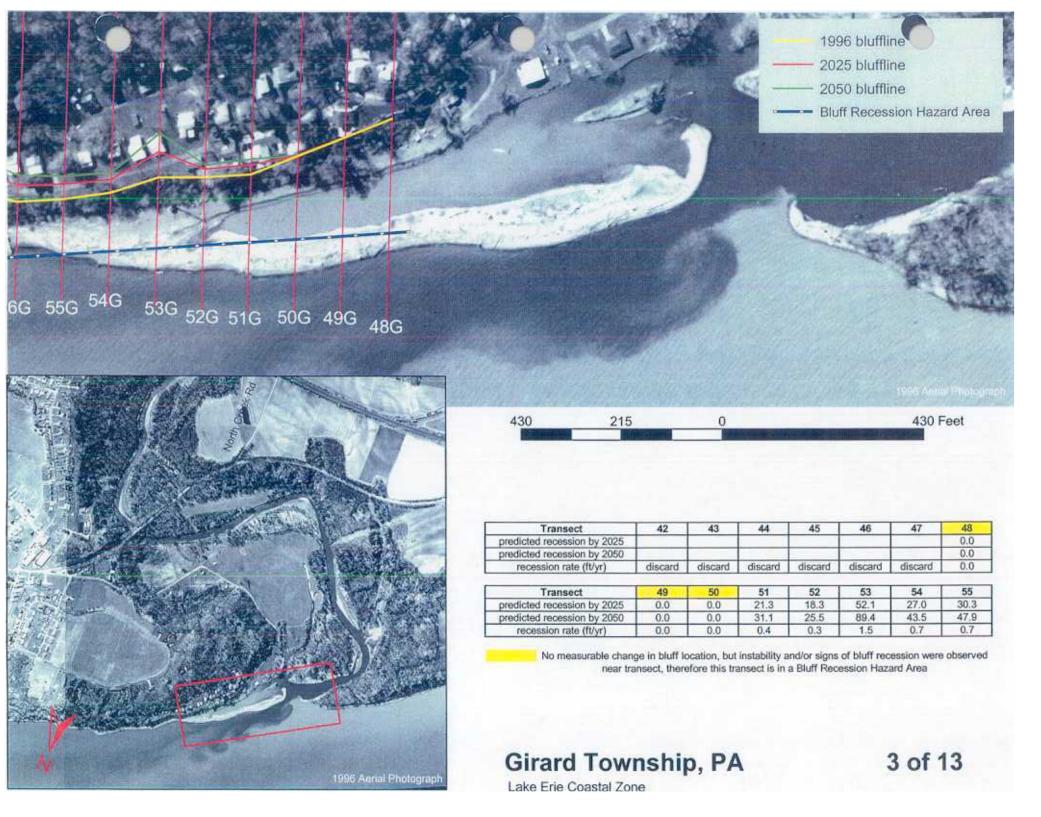
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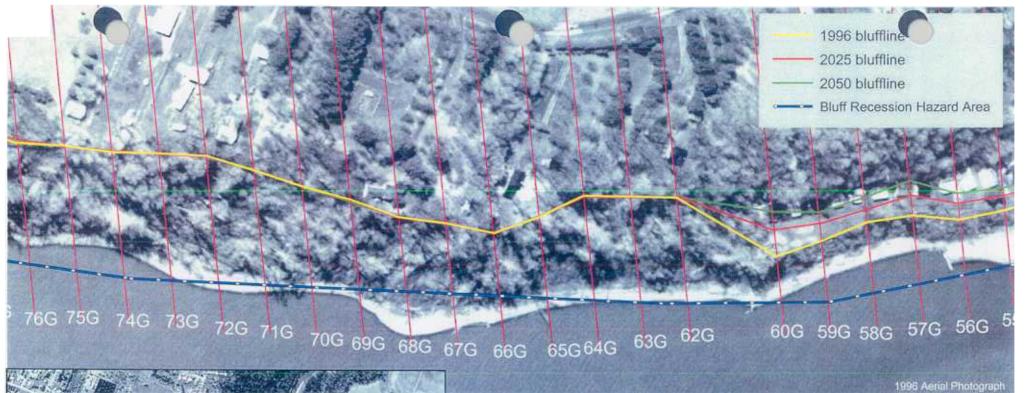
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Transect	22	23	24	25	26	27	28
predicted recession by 2025	65.1		41.8	43.8		39.5	33.5
predicted recession by 2050	112.6		69.2	72.9		65.0	53.8
recession rate (ft/yr)	1.9	discard	1.1	1.2	discard	1.0	0.8
Transect	29	30	31	32	33	34	35
predicted recession by 2025	12.8	13.0	15.3	22.2	16.3	0.0	
predicted recession by 2050	15.3	15.6	19.9	32.7	21.8	0.0	
recession rate (ft/yr)	0.1	0.1	0.2	0.4	0.2	0.0	discard
Transect	36	37	38	39	40	41	
predicted recession by 2025				-			
predicted recession by 2050	(
recession rate (ft/vr)	discard	discard	discard	discard	discard	discard	

Girard Township, PA

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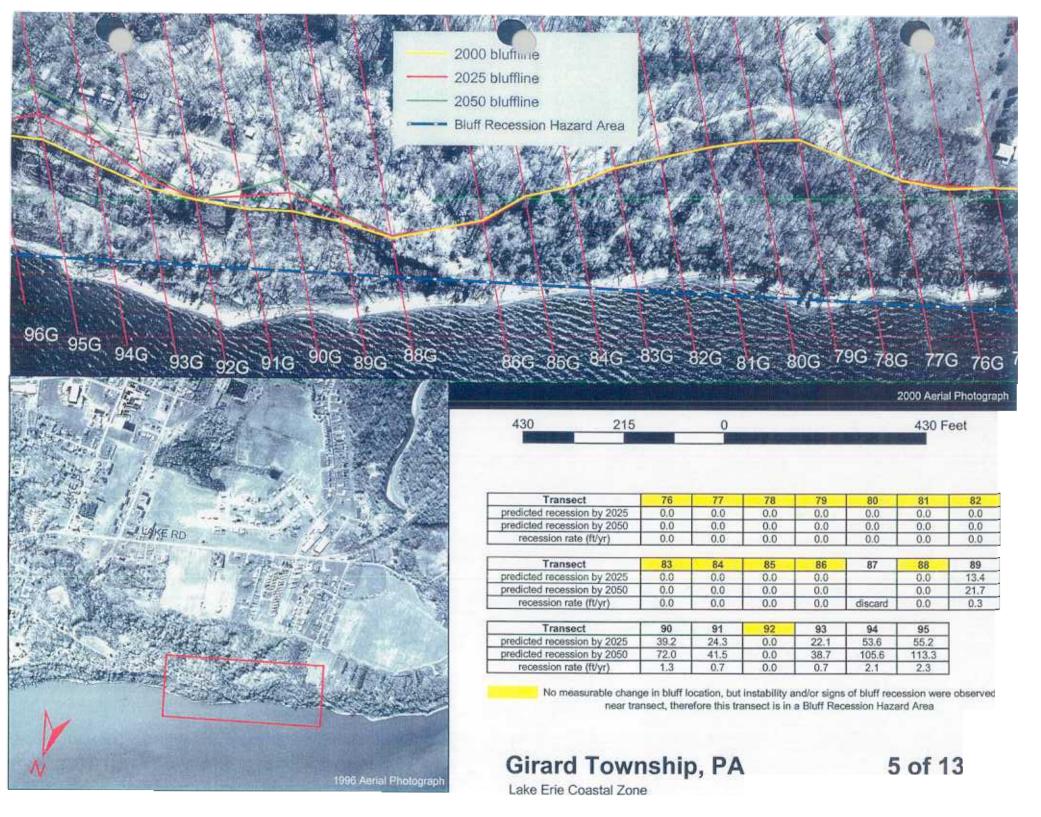


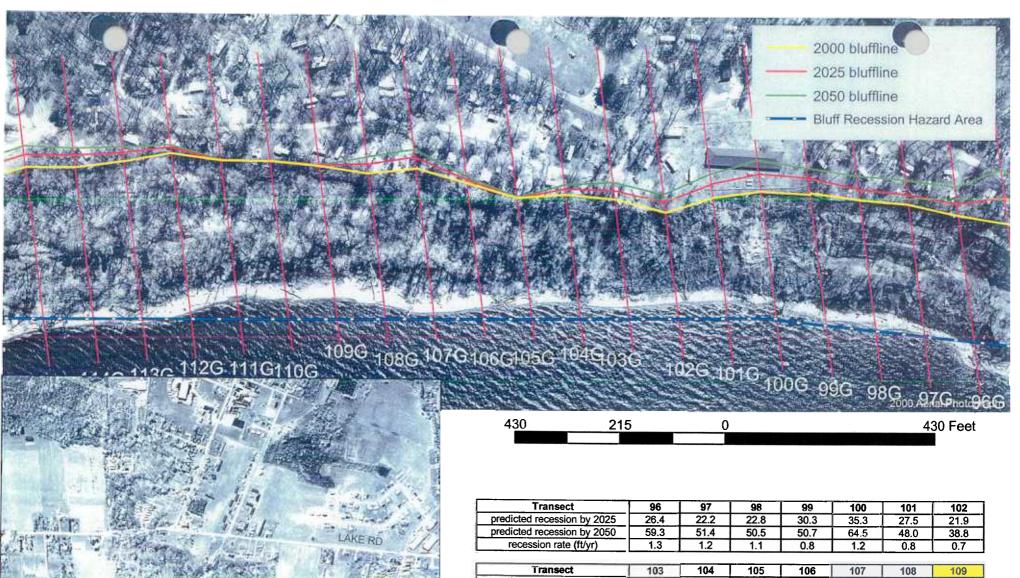
430	215	0	430 Feet

Transect	56	57	58	59	60	61	62
predicted recession by 2025	34.3	43.2	28.6	37.9	55.2		0.0
predicted recession by 2050	56.7	73.5	54.7	61.9	95.3		0.0
recession rate (ft/yr)	0.9	1.2	1.0	1.0	1.6	discard	0.0
Transect	63	64	65	66	67	68	69
predicted recession by 2025	0.0	0.0	0.0	0.0	0.0	0.0	0.0
predicted recession by 2050	0.0	0.0	0.0	0.0	0.0	0.0	0.0
recession rate (ft/yr)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Transect	70	71	72	73	74	75	
predicted recession by 2025	0.0	0.0	0.0	0.0	0.0	0.0	
predicted recession by 2050	0.0	0.0	0.0	0.0	0.0	0.0	
recession rate (ft/yr)	0.0	0.0	0.0	0.0	0.0	0.0	

Girard Township, PA

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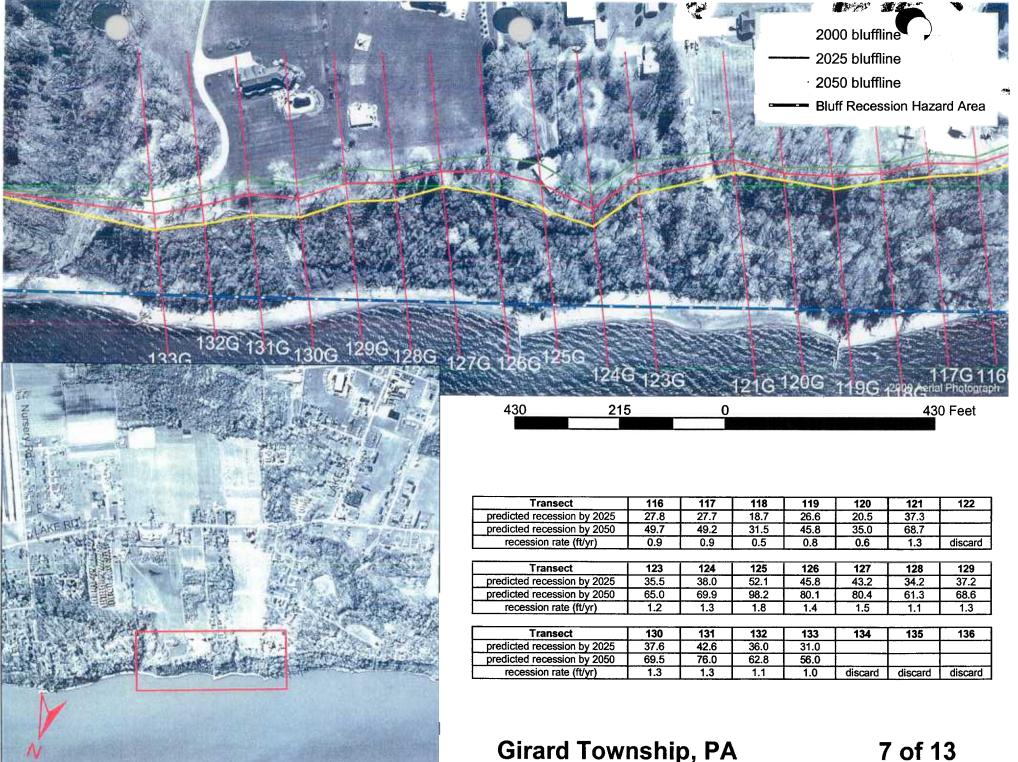




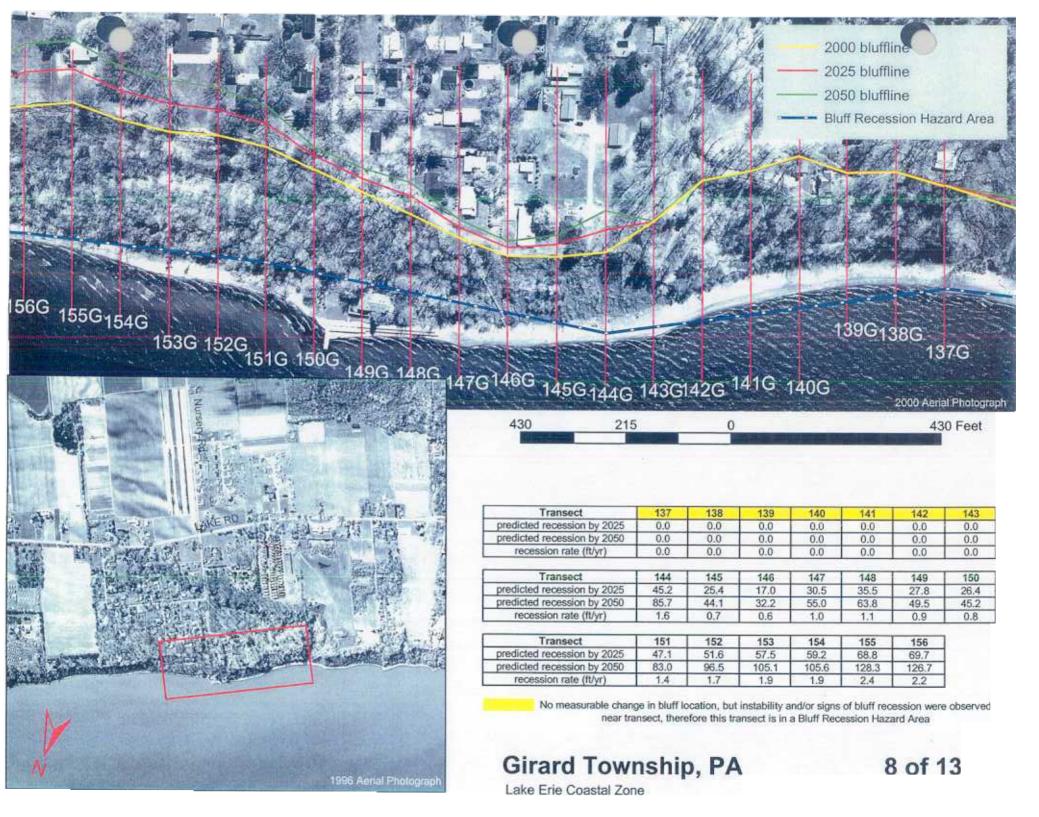
Transect	96	97	98	99	100	101	102
predicted recession by 2025	26.4	22.2	22.8	30.3	35.3	27.5	21.9
predicted recession by 2050	59.3	51.4	50.5	50.7	64.5	48.0	38.8
recession rate (ft/yr)	1.3	1.2	1.1	0.8	1.2	0.8	0.7
						-	* ***
Transect	103	104	105	106	107	108	109
predicted recession by 2025	20.9	11.5	0.0	10.6	22.3	18.1	0.0
predicted recession by 2050	37.1	21.7	0.0	15.3	39.0	31.9	0.0
recession rate (ft/yr)	0.6	0.4	0.0	0.2	0.7	0.6	0.0
Transect	110	111	112	113	114	115	ı
predicted recession by 2025	0.0	0.0	13.9	22.6	23.5	35.0	1
predicted recession by 2050	0.0	0.0	21.7	39.2	40.6	63.9	l
recession rate (ft/yr)	0.0	0.0	0.3	0.7	0.7	1.2	l

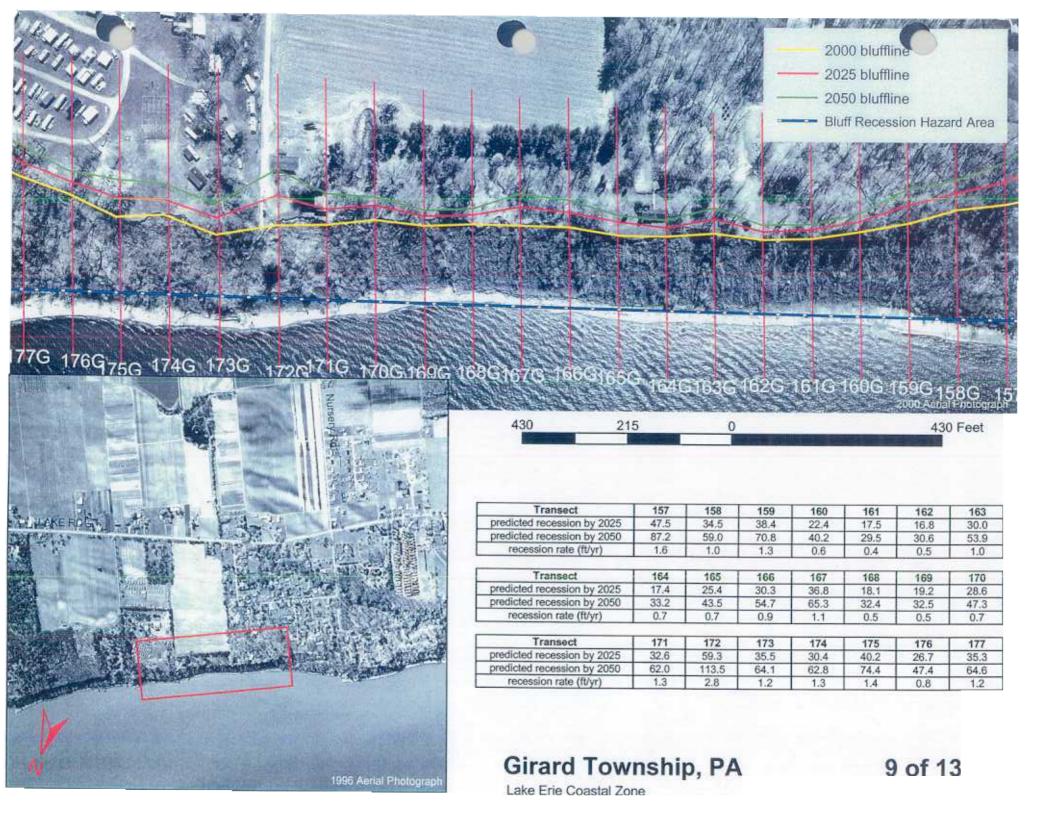
Girard Township, PA

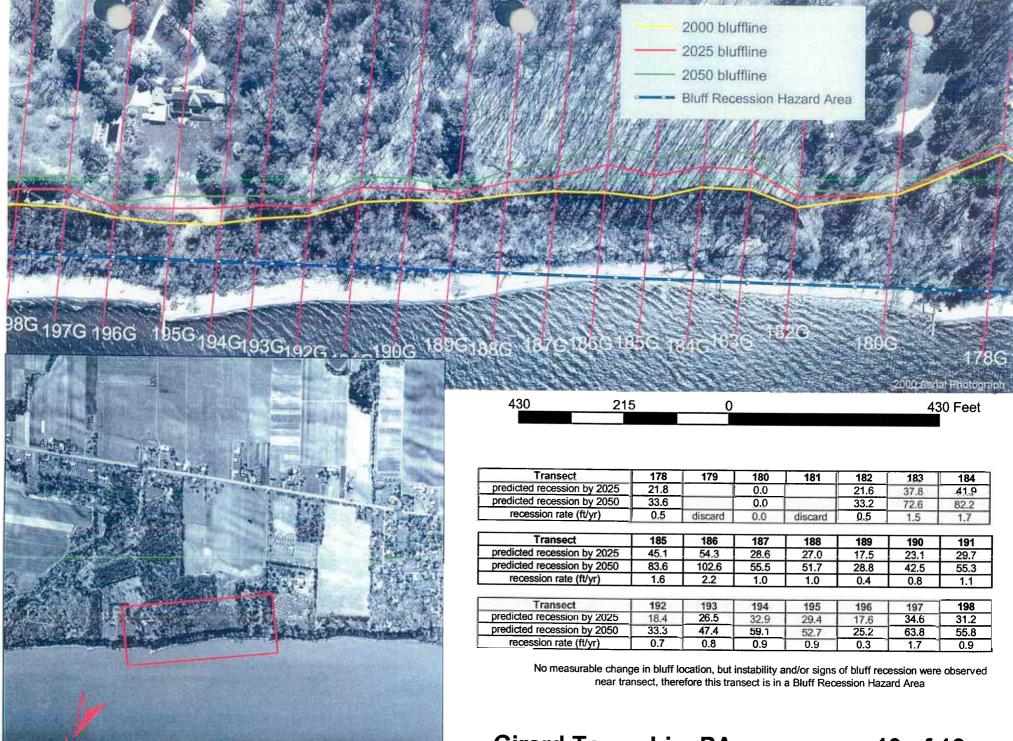
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Girard Township, PA



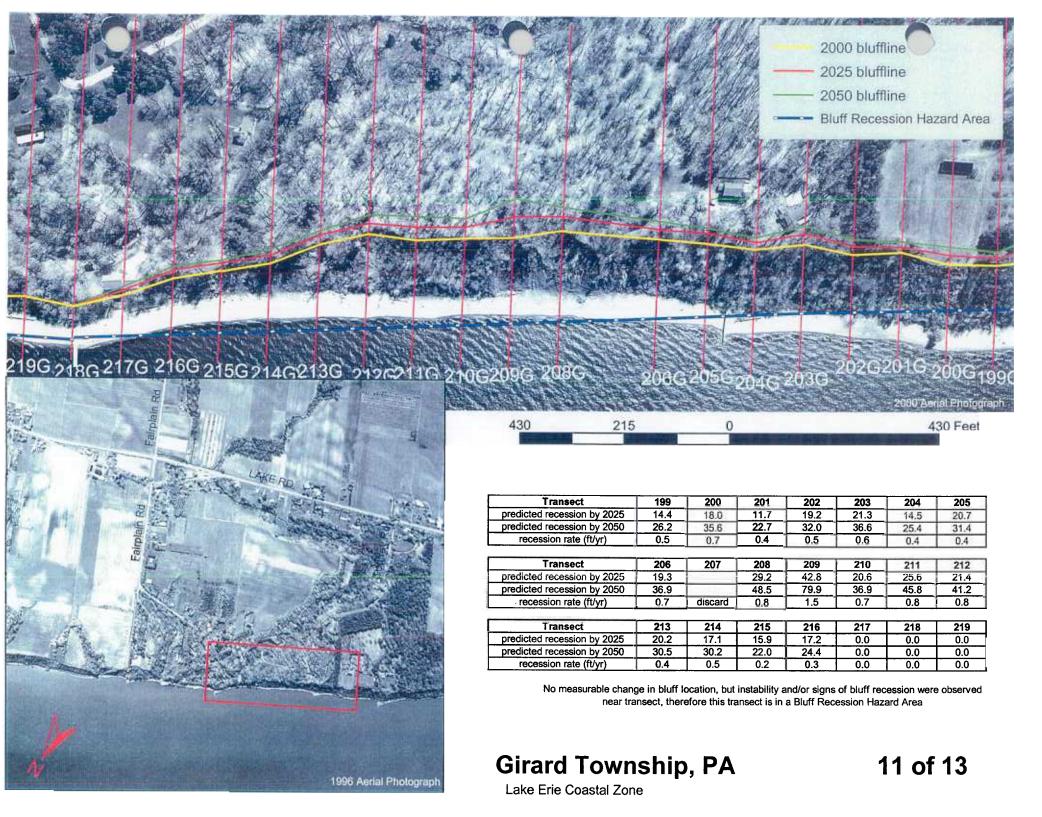


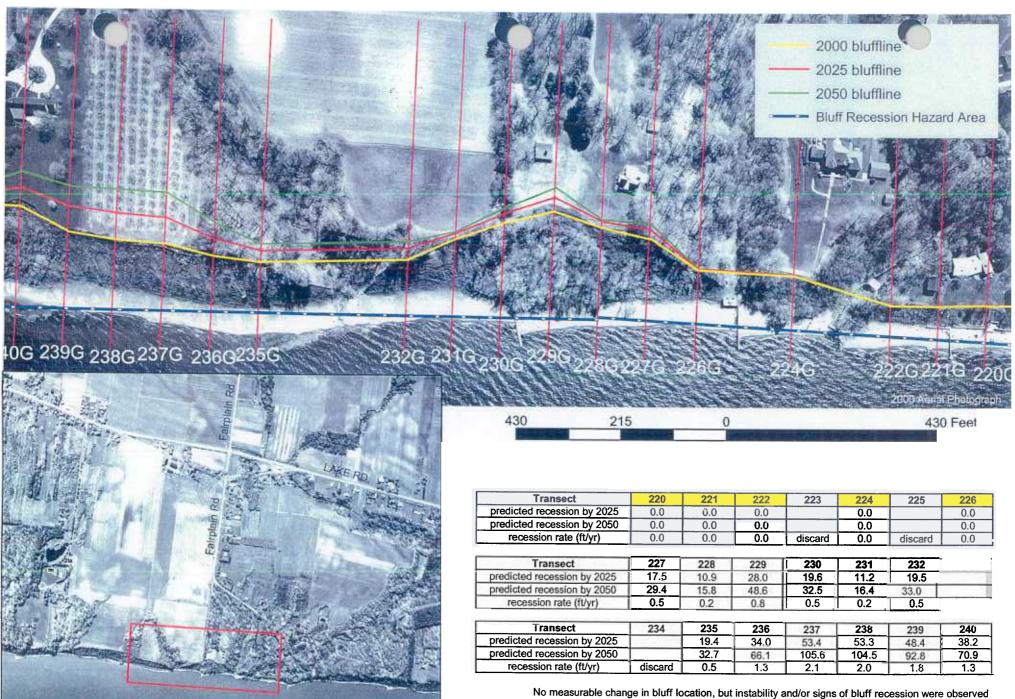


Girard Township, PA

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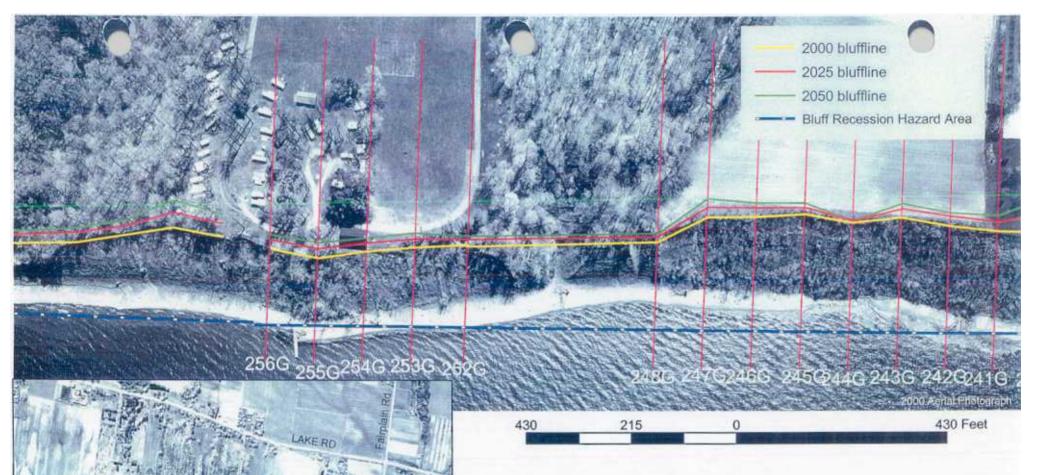




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Transect	241	242	243	244	245	246	247
predicted recession by 2025	20.1	18.5	18.8	0.0	12.8	18.1	21.9
predicted recession by 2050	33.7	27,1	27.7	0.0	21.6	28.6	37.8
recession rate (ft/yr)	0.5	0.3	0.4	0.0	0.4	0.4	0.6

Transect	248	249	250	251	252	253	254
predicted recession by 2025	11.7				12.7	16.6	15.7
predicted recession by 2050	17.5				19.4	27,6	25.6
recession rate (ft/vr)	0.2	discard	discard	discard	0.3	0.4	0.4

Transect	255	256
predicted recession by 2025	19.4	18.7
predicted recession by 2050	32.7	29.9
recession rate (ft/yr)	0.5	0.4

Girard Township, PA

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Lake Erie Coastal Zone

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