

Changes in $\delta^{15}\text{N}$ in salt marsh sediments in a long-term fertilization study

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Supplement. ANOVA and post-hoc (Tukey-Kramer) results for $\delta^{15}\text{N}$, %N and N burial profiles.

Table S1a. ANOVA results for $\delta^{15}\text{N}$ values vs. vegetation type (high marsh or low marsh) nested within treatment ($\alpha = 0.05$)

	df	SS	F	Prob > F
Vegetation Type	1	179.94	29.66	<0.0001
Treatment [Vegetation Type]	4	613.04	25.26	<0.0001

Table S1b. Tukey-Kramer least-squares means differences. Dark boxes indicate significant differences ($\alpha = 0.05$)

		Low Marsh			High Marsh		
		C	HF	XF	C	HF	XF
Low Marsh	C						
	HF	■					
	XF	■	■				
High Marsh	C			■			
	HF	■	■	■	■		
	XF	■	■	■	■	■	■

Table S1c. Low marsh 2-way ANOVA of $\delta^{15}\text{N}$ vs. decade nested within treatment ($\alpha = 0.05$)

	df	SS	F	Prob > F
Decade	6	332.98	155.51	<0.0001
Treatment [Decade]	14	315.77	63.2	<0.0001

Table S1d. Low marsh Tukey-Kramer least-squares means differences for 2-way ANOVA of $\delta^{15}\text{N}$ vs. decade nested within treatment. Dark boxes indicate significant differences ($\alpha = 0.05$)

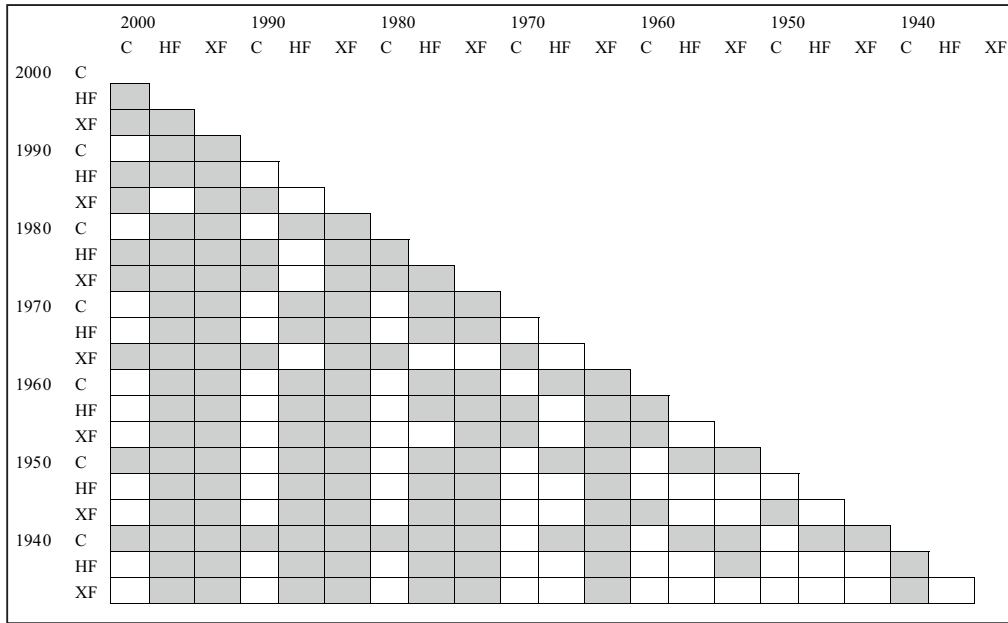


Table S1e. High marsh 2-way ANOVA of $\delta^{15}\text{N}$ vs. decade nested within treatment ($\alpha = 0.05$)

	df	SS	F	Prob > F
Decade	6	607.64	126.98	<0.0001
Treatment [Decade]	14	534.73	47.89	<0.0001

Table S1f. High marsh Tukey-Kramer least-squares means differences for 2-way ANOVA of $\delta^{15}\text{N}$ vs. decade nested within treatment. Dark boxes indicate significant differences ($\alpha = 0.05$)

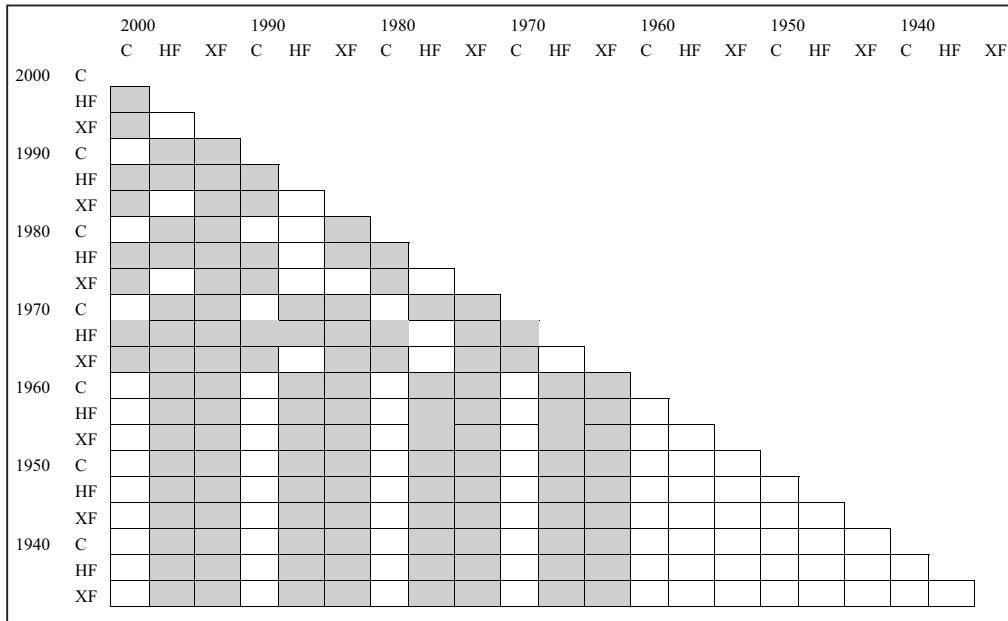


Table S2a. ANOVA results for %N values vs. vegetation type (high marsh or low marsh) nested within treatment ($\alpha = 0.05$)

	df	SS	F	Prob > F
Vegetation Type	1	1.25	6.06	0.0145
Treatment [Vegetation Type]	4	29.72	35.94	<0.0001

Table S2b. Tukey-Kramer least-squares means differences. Dark boxes indicate significant differences ($\alpha = 0.05$)

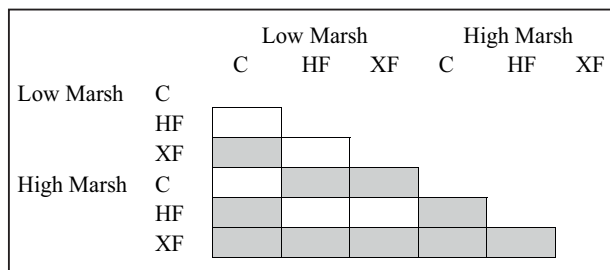


Table S2c. Low marsh 2-way ANOVA of %N vs. decade nested within treatment ($\alpha = 0.05$)

	df	SS	F	Prob > F
Decade	7	3.66	4.26	0.0004
Treatment [Decade]	13	8.98	5.62	<0.0001

Table S2d. Low marsh Tukey-Kramer least-squares means differences for 2-way ANOVA of %N vs. decade nested within treatment. Dark boxes indicate significant differences ($\alpha = 0.05$)

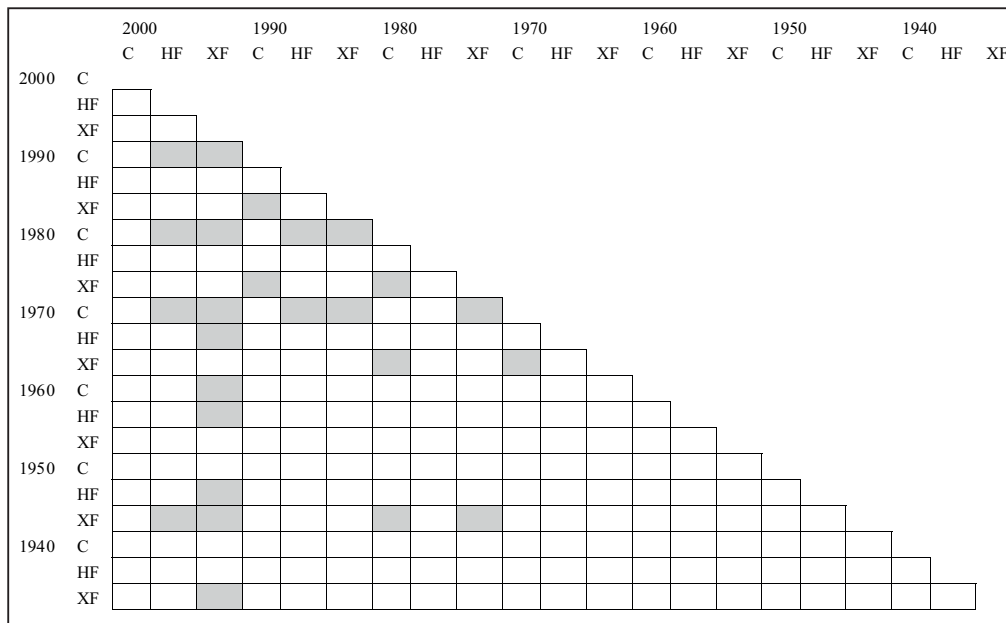


Table S2e. High marsh 2-way ANOVA of %N vs. decade nested within treatment ($\alpha = 0.05$)

	df	SS	F	Prob > F
Decade	6	12.46	21.18	<0.0001
Treatment [Decade]	13	29.43	23.09	<0.0001

Table S2f. High marsh Tukey-Kramer least-squares means differences for 2-way ANOVA of %N vs. decade nested within treatment. Dark boxes indicate significant differences ($\alpha = 0.05$)

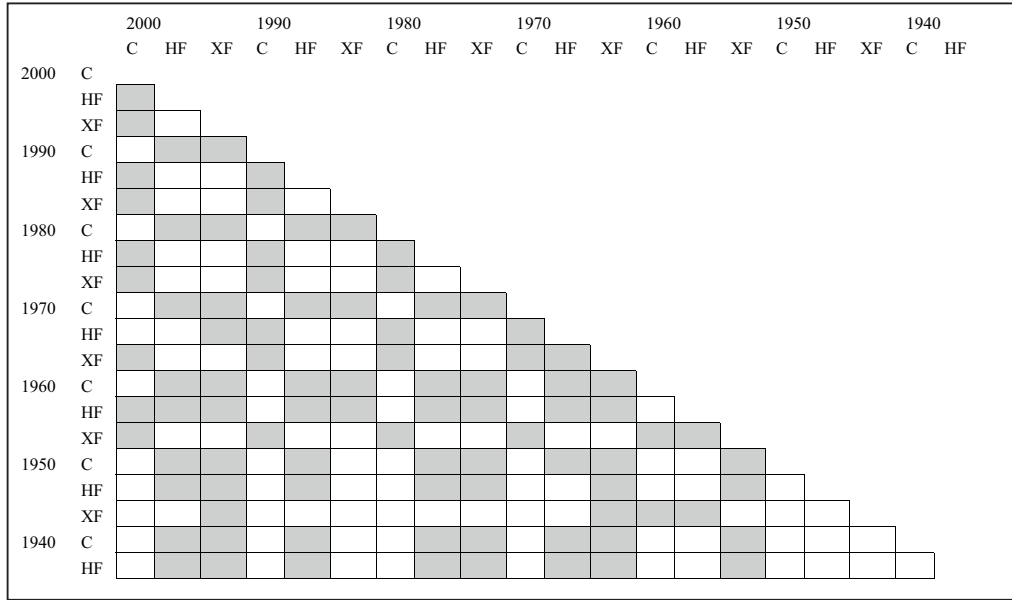


Table S3a. ANOVA results for N burial values since 1970 vs. vegetation type (high marsh or low marsh) nested within treatment ($\alpha = 0.05$)

	df	SS	F	Prob > F
Vegetation Type	1	80.34	4.37	0.0383
Treatment [Vegetation Type]	4	5690.00	77.35	<0.0001

Table S3b. Tukey-Kramer least-squares means differences. Dark boxes indicate significant differences ($\alpha = 0.05$)

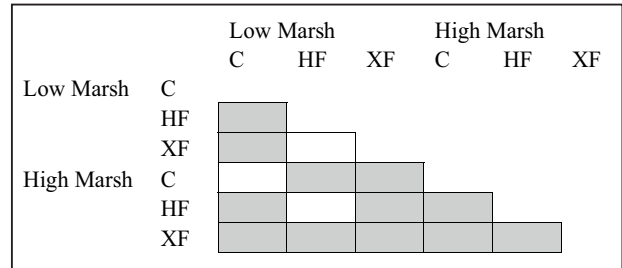


Table S3c. Low marsh 2-way ANOVA for N burial since 1970 vs. decade nested within treatment ($\alpha = 0.05$)

	df	SS	F	Prob > F
Decade	3	50.38	1.43	0.24
Treatment [Decade]	8	1438.55	15.33	<0.0001

Table S3d. Low marsh Tukey-Kramer least-squares means differences for 2-way ANOVA of N burial since 1970 vs. decade nested within treatment. Dark boxes indicate significant differences ($\alpha = 0.05$)

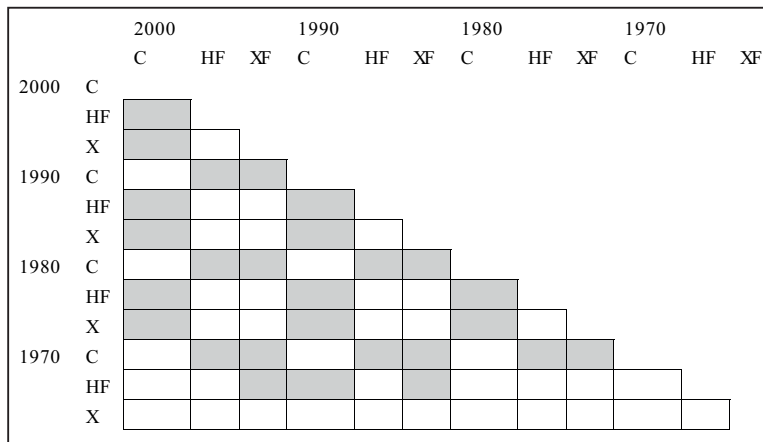


Table S3e. High marsh 2-way ANOVA for N burial since 1970 vs. decade nested within treatment ($\alpha = 0.05$)

	df	SS	F	Prob > F
Decade	3	32.66	0.43	0.74
Treatment [Decade]	8	4365.25	21.36	<0.0001

Table 3f. High marsh Tukey-Kramer least-squares means differences for 2-way ANOVA of N burial since 1970 vs. decade nested within treatment. Dark boxes indicate significant differences ($\alpha = 0.05$).

