

Supplementary Material

Constraining nitrogen sources to a seagrass-dominated coastal embayment by using an isotope mass balance approach

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Table S1. Summary of discrete sediment isotope values ($\delta^{15}\text{N}$)

Month	Location	$\delta^{15}\text{N}$	Month	Location	$\delta^{15}\text{N}$	Month	Location	$\delta^{15}\text{N}$
Feb-12	-38.236633°, 145.308450°	5.8	Aug-12	-38.248583°, 145.280267°	3.9	Feb-16	-38.462424°, 145.310207°	3.5
Feb-12	-38.244867°, 145.308000°	4.1	Sep-14	-38.468099°, 145.421718°	4.7	Feb-16	-38.462424°, 145.310207°	4.9
Feb-12	-38.252017°, 145.315783°	4.1	Sep-14	-38.462424°, 145.310207°	5.9	Feb-16	-38.462424°, 145.310207°	4.4
Feb-12	-38.246250°, 145.316433°	3.9	Oct-14	-38.408500°, 145.425931°	4.3	Mar-16	-38.408500°, 145.425931°	3.7
Feb-12	-38.251367°, 145.317033°	3.6	Oct-14	-38.408500°, 145.425931°	4.7	Mar-16	-38.408500°, 145.425931°	3.9
Feb-12	-38.239950°, 145.339883°	4.7	Oct-14	-38.408500°, 145.425931°	4.6	Mar-16	-38.408500°, 145.425931°	4.3
Feb-12	-38.240083°, 145.339883°	4.5	Oct-14	-38.408500°, 145.425931°	4.7	Mar-16	-38.408500°, 145.425931°	4.3
Feb-12	-38.245533°, 145.355750°	5	Nov-14	-38.468099°, 145.421718°	3.6	Mar-16	-38.468099°, 145.421718°	2.7
Feb-12	-38.246450°, 145.357833°	4.5	Nov-14	-38.468099°, 145.421718°	2.7	Mar-16	-38.468099°, 145.421718°	3.2
Feb-12	-38.294367°, 145.275133°	4.3	Nov-14	-38.468099°, 145.421718°	2.9	Mar-16	-38.468099°, 145.421718°	4.2
Feb-12	-38.294717°, 145.275900°	4.5	Nov-14	-38.468099°, 145.421718°	2.8	Mar-16	-38.468099°, 145.421718°	4.2
Feb-12	-38.338100°, 145.219233°	3.9	Nov-14	-38.468099°, 145.421718°	2.6	Mar-16	-38.462424°, 145.310207°	5.4
Aug-12	-38.366417°, 145.268350°	3.7	Dec-14	-38.462424°, 145.310207°	4.8	Mar-16	-38.462424°, 145.310207°	5.6
Aug-12	-38.337250°, 145.221167°	4.1	Dec-14	-38.462424°, 145.310207°	4.3	Mar-16	-38.462424°, 145.310207°	4.3
Aug-12	-38.315967°, 145.220500°	2.7	Dec-14	-38.462424°, 145.310207°	4.1	Mar-16	-38.462424°, 145.310207°	3.6
Aug-12	-38.422933°, 145.288500°	3.9	Dec-14	-38.462424°, 145.310207°	4.1	May-16	-38.408500°, 145.425931°	3
Aug-12	-38.475283°, 145.331133°	6.5	Dec-14	-38.462424°, 145.310207°	4	May-16	-38.408500°, 145.425931°	3
Aug-12	-38.518383°, 145.373717°	5.3	Jan-15	-38.408500°, 145.425931°	4.2	May-16	-38.468099°, 145.421718°	3.1
Aug-12	-38.387300°, 145.391633°	1.6	Jan-15	-38.408500°, 145.425931°	4.2	May-16	-38.468099°, 145.421718°	3.5
Aug-12	-38.290183°, 145.390183°	3.3	Jan-15	-38.408500°, 145.425931°	4.3	May-16	-38.462424°, 145.310207°	5.4
Aug-12	-38.226319°, 145.433413°	4.4	Jan-15	-38.408500°, 145.425931°	4.2	May-16	-38.462424°, 145.310207°	5.6
Aug-12	-38.270395°, 145.410035°	3.9	Feb-15	-38.468099°, 145.421718°	4.7	Jul-16	-38.408500°, 145.425931°	4.5
Aug-12	-38.266475°, 145.382269°	4.4	Feb-15	-38.468099°, 145.421718°	4.8	Jul-16	-38.408500°, 145.425931°	4.5
Aug-12	-38.233790°, 145.420568°	4	Feb-15	-38.468099°, 145.421718°	3.1	Jul-16	-38.408500°, 145.425931°	4
Aug-12	-38.265133°, 145.343817°	3.6	Feb-15	-38.468099°, 145.421718°	2.9	Jul-16	-38.408500°, 145.425931°	3.8
Aug-12	-38.281450°, 145.329367°	4.4	Feb-15	-38.468099°, 145.421718°	2.8	Jul-16	-38.468099°, 145.421718°	5
Aug-12	-38.279533°, 145.330233°	4.1	Feb-15	-38.468099°, 145.421718°	2.8	Jul-16	-38.468099°, 145.421718°	5.1
Aug-12	-38.259133°, 145.434833°	2.8	Mar-15	-38.462424°, 145.310207°	2.6	Jul-16	-38.468099°, 145.421718°	2.9
Aug-12	-38.241877°, 145.443173°	8.5	Mar-15	-38.462424°, 145.310207°	2.7	Jul-16	-38.468099°, 145.421718°	3.7
Aug-12	-38.276717°, 145.450400°	3.2	Mar-15	-38.462424°, 145.310207°	1.4	Jul-16	-38.462424°, 145.310207°	5.8
Aug-12	-38.275267°, 145.451150°	3.7	Mar-15	-38.462424°, 145.310207°	2.9	Jul-16	-38.462424°, 145.310207°	5.2
Aug-12	-38.268900°, 145.465250°	1.9	Feb-16	-38.408500°, 145.425931°	4.1	Nov-16	-38.408500°, 145.425931°	4.3
Aug-12	-38.252517°, 145.253033°	-1.1	Feb-16	-38.408500°, 145.425931°	3.9	Nov-16	-38.408500°, 145.425931°	4.3
Aug-12	-38.256423°, 145.258627°	4.4	Feb-16	-38.408500°, 145.425931°	3.5	Nov-16	-38.408500°, 145.425931°	4.1
Aug-12	-38.248030°, 145.268201°	3.6	Feb-16	-38.408500°, 145.425931°	4.6	Nov-16	-38.408500°, 145.425931°	4.4
Aug-12	-38.243528°, 145.263552°	2.4	Feb-16	-38.468099°, 145.421718°	2.8	Nov-16	-38.462424°, 145.310207°	3.3
Aug-12	-38.239117°, 145.272983°	4.2	Feb-16	-38.468099°, 145.421718°	3.4	Nov-16	-38.462424°, 145.310207°	3.6
Aug-12	-38.235815°, 145.263297°	4.1	Feb-16	-38.468099°, 145.421718°	3.7	Nov-16	-38.462424°, 145.310207°	3.4
Aug-12	-38.237717°, 145.264503°	5.1	Feb-16	-38.468099°, 145.421718°	4.8	Nov-16	-38.462424°, 145.310207°	3.4
Aug-12	-38.229058°, 145.263980°	4.4	Feb-16	-38.462424°, 145.310207°	3.2			