1092-92-313   **Ali Gharouni*** (`v3d66@unb.ca`), 418 Tilley Hall, Department of Mathematics, University of New Brunswick, Fredericton, New Brunsw E3B 5A3, Canada, and **Myriam Barbeau**, **Andrea Locke**, **Lin Wang** and **James Watmough**. *An Integrodifference Model for Biological Invasion of European Green Crab (Carcinus maenas).*

We present a discrete-time model for biological invasion of European Green Crab (Carcinus maenas) in the Canadian Maritimes that couples matrix population models for population growth with integrodifference equations for dispersal. We calculate the population's asymptotic invasion speed and carry out the sensitivity analysis of the invasion speed with respect to changes in demographic and dispersal parameters. This is an ongoing project. (Received August 12, 2013)