

Table of major updates made to the Atlantis code over the last 3 years. We do not include minor modifications to print statements which make up the majority of revisions and have no effect of the model outputs.

Version	Date of change	Description of change
6425	23/01/2019	Fixed migration return issue. Added sponge functionality (like corals, but silica dependent and can be bio-eroding). Added error to Broken Stick management option.
6414	4/12/2018	Updated the definition of SP_POP_LIM check to include all macrophytes and turfing algae (so that they can use the max parameter to dictate cover calculations).
6381	13/11/2018	Added the capacity to filter out disturbance boxes that are crashing the model runs even during bonafide events (required adding relax_tol to each box definition in bgm file).
6362	10/10/2018	Added the capacity for a fully age structured population model to run when a group exits the dynamic model domain (added external_populations to run.prm).
6361	8/10/2018	Added the multi-year code migration (added flag_multiyr_migs to run.prm).
6348	10/08/2018	Added checks to prevent reproduction fold-over bug that was causing an artificial inflation of recruitment (added flag_sanity_check to run.prm).
6337	22/05/2018	Added code for passive tracer tracking (added flagpassivetracer to run.prm).
6331	12/05/2018	FC_high_thresh now allowed to be a scalar rather than a proportion.
6322	29/04/2018	Allowed for biomass groups to have min and max temperature for reproduction.
6219	28/07/2017	Added code from the evolutionary branch to allow for negative growth (shrinking reserves), bi-logistic feeding form and dynamic XRS setting. Negative growth (reduction in reserve levels) only makes sense when respiration is turned on, which means that negative energy balance is compensated by reducing reserve density.
6209	25/06/2017	Added Norwegian fisheries management tiers. Added larval movement.
6193	5/05/2017	Made temperature and salinity checks group specific rather than a global variable.
6192	5/05/2015	Updated movement to include environmental checks for biomass pools (invertebrates) and age structured (vertebrate) groups.
6180	13/04/2017	Added multiple spawning per year and moved the code call for semelparous life history (for squid to work).
6111	6/02/2017	Updated Get_Fishing_Mortality to call generic catch selectivity code to allow users to change selectivity over time if they are using a fishing mortality term.
6095	11/01/2017	Added the Australian tiered assessments - required new RBC parameters and a very large extension to atassess.prm.

6052	9/07/2016	Added MOB_EP_OTHER to the list of groups that use the max parameter to allow for spatial crowding.
5994	20/04/2016	Added the capacity of having spawning events before the model begins using calculations consistent with what is done internal to the model simulations.
5945	3/03/2016	Allowed users to enter time-series data to scale mortality rates through time.
5927	2/02/2016	Allowed users to set the frequency of output in input.ts and export.ts
5902	28/01/2016	Added check_dups in the run.prm to check if duplicate parameter entries exist in the .prm files
5892	20/01/2016	Added simple contaminant tracking.
5838	18/01/2016	Added code to read in ice flows and updated how light is handled in ice.