F Cod Simulation: harp seal scenario V=2 vs V=4 Whale fish eater Whale zooplankton eater Whale squid eater Whale mammal eater Seal harp Seal hooded Seal other Seabird piscivore Seabird planktivore Seabird benthivore Greenland shark Greenland halibut Silver hake and pollock **LoD Simulation** Other piscivorous fish Redfish LoD 0 Arctic cod LoD 10 Other plank-piscivorous fish **Functional Groups** American plaice greater than 35cm LoD 20 American plaice less than 35cm LoD 30 Thorny skate Haddock LoD 40 Other large benthivorous fish Yellowtail flounder LoD 50 Witch flounder LoD 60 Other medium benthivorous fish LoD 70 Small benthivorous fish Herring LoD 80 Sandlance LoD 90 Capelin Other planktivorous fish LoD 99 Squid Shrimp Snow crab Predatory invertebrates Deposit feeding invertebrates Suspension feeding invertebrates Macrozooplankton Large mesozooplankton Small mesozooplankton Microzooplankton Large phytoplankton Small phytoplankton Detritus 1.01 0.98 0.99 1.00 1.02 1.03 Relative Biomass Change (V2 simulation scaled at 1)