## F Harp Seal Simulation: harp seal scenario V=2 vs V=4 Whale fish eater Whale zooplankton eater Whale squid eater Whale mammal eater Seal hooded Seal other Seabird piscivore Seabird planktivore Seabird benthivore Greenland shark Atlantic cod greater than 35cm Atlantic cod less than 35cm Greenland halibut **LoD Simulation** Silver hake and pollock Other piscivorous fish LoD 0 Redfish Arctic cod LoD 10 **Functional Groups** Other plank-piscivorous fish LoD<sub>20</sub> American plaice greater than 35cm American plaice less than 35cm LoD<sub>30</sub> Thorny skate LoD 40 Haddock Other large benthivorous fish LoD 50 Yellowtail flounder LoD 60 Witch flounder Other medium benthivorous fish LoD 70 Small benthivorous fish LoD 80 Herring Sandlance LoD 90 Capelin LoD 99 Other planktivorous fish Squid Shrimp Snow crab Predatory invertebrates Deposit feeding invertebrates Suspension feeding invertebrates Macrozooplankton Large mesozooplankton Small mesozooplankton Microzooplankton Large phytoplankton Small phytoplankton Detritus 1.2 0.8 1.4 Relative Biomass Change (V2 simulation scaled at 1)