



Fig. 67. Locations at a higher risk of contamination from oil advected at various depths shown by drifter trajectories and groundings within Port Valdez in June and September 2016 (a and b) and March 2017 (c). Note that the light brown areas are for schematic purposes only, and indicate where spilled surface oil may initially move given the prevailing winds. Depths are respectively for the surface (red), 1m (blue), 10m (green) and 40m (orange), and dashed lines indicate possible contamination when drifters came close to the shoreline but did not ground. The wind speeds and directions for the survey periods are shown vector plots (left insets). The wind rose plots (right insets) show polar histograms of the predominate wind directions for each survey period.