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Composite coastal zone color scanner image of the Western Ross Sea on 10 December 1978. An intense phytoplankton bloom (red shows the highest concentration of pigment and purple the lowest) is bounded by the Ross Ice Shelf (bottom, gray) and by annual sea ice along the Victoria Land coast (left, gray). This image begins a time series revealing that significant productivity begins in the late spring within the Ross Sea polynya and is thus likely greater than previously estimated. See page 261. (Image: Kevin Arrigo)