

Geography

Section II (continued)

Marks

Question 18 (5 marks)

Refer to Sources D, E and F.

An environmental impact report must be written before drilling for oil in AR 3593.

- (a) From the sources, identify ONE ecosystem that could be placed at risk as a result of drilling for oil. 1

The coastal dune ecosystem of AR 3592 & 3593.

- (b) Outline TWO likely impacts that the drilling could have on the ecosystem identified in part (a). 4

*/erosion. Movement of soil and sand and the digging of the well could have a significant impact on structure of the dune and the ecosystem upon it.

* ;/ leakages or discharges from the oil well could endanger native wildlife in the area, as turtles frequent the beaches of Barrow island to lay eggs, and seabirds are part of this ecosystem.