

Volcanoes and Earthquakes Mark Scheme Foundation 2004

(a) (i) Trees destroyed, flooding of rivers, extra sediment in rivers, avalanche, Spirit Lake filled up, hot rock and ash flows, landslides and mudflows, fish killed, forest fires, ash in the air, log jams etc. (natural environment only)

3 × 1

(3 marks)

(ii) **Level 1 Basic (1-2 marks)**

Basic effects e.g. jobs lost, can't travel, no tourism, no timber, bridges washed away, camps destroyed, lost homes, people killed/injured, flooding, fertile soils etc.

Level 2 Clear (3-4 marks)

Clear explanation through links e.g. people cannot travel because bridges washed away or destroyed, fisherman lose their jobs because fish hatchery destroyed, homes lost when Baker Camp destroyed etc. Positive impact on soils acceptable if time element acknowledged; as is reference to tourism if a well developed point.

(4 marks)

(b) Plate boundaries, deposited, sandstone, together. **(4 marks)**

(c) Point mark (4 × 1) or developed points. Reserve of one mark for example (not Cascades) e.g. Alps, e.g. In the Alps (1) there are ski resorts (1) and lots of people go on holiday in the winter. In summer they visit the lakes (1) e.g. Lake Como. (1) HEP (1) uses the fast running streams (1). Hay and vines are grown (1) in the valleys in summer and cattle graze the hilltops. (1) Max 2 on tourism. Max 2 for list.

(4 marks)