

Landslides Worksheet 1

Classification of Landslides

For this activity you will use photographs to name and classify a variety of landslides. Use the information below to help you classify each of the landslides in the accompanying presentation.

Broadly speaking we use three features used to classify landslides:

- 1) Type of material – what the landslide is composed of: Rock, Soil/Earth, Mud, Debris
- 2) Type of movement – how the landslide moved or will move: Falls, Slides (Rotational slide/Slump or Translational Slide), Flows, or Complex Movements
- 3) The rate of movement – how fast the landslide is moving: Very slow to very fast

The first two are most important (in fact the name is often just the first two together stuck together), but all three features have implications for how, where, how fast, how far a landslide will move; and ultimately, how dangerous and/or damaging it may be.

Photo 1

- 1) Type of material (Rock, Debris, Soil/Earth, Mud, Other – specify)
- 2) Type of movement (Fall, Slide, Flow, Complex Movement)
- 3) Estimated Rate of Movement (Very slow, slow, intermediate, fast, very fast)
- 4) Name of slide:

Photo 2

- 1) Type of material (Rock, Debris, Soil/Earth, Mud, Other – specify)
- 2) Type of movement (Fall, Slide, Flow, Complex Movement)
- 3) Estimated Rate of Movement (Very slow, slow, intermediate, fast, very fast)
- 4) Name of slide:

Photo 3

- 1) Type of material (Rock, Debris, Soil/Earth, Mud, Other – specify)
- 2) Type of movement (Fall, Slide, Flow, Complex Movement)
- 3) Estimated Rate of Movement (Very slow, slow, intermediate, fast, very fast)
- 4) Name of slide:

Photo 4

- 1) Type of material (Rock, Debris, Soil/Earth, Mud, Other – specify)
- 2) Type of movement (Fall, Slide, Flow, Complex Movement)
- 3) Estimated Rate of Movement (Very slow, slow, intermediate, fast, very fast)
- 4) Name of slide:

Photo 5

- 1) Type of material (Rock, Debris, Soil/Earth, Mud, Other – specify)
- 2) Type of movement (Fall, Slide, Flow, Complex Movement)
- 3) Estimated Rate of Movement (Very slow, slow, intermediate, fast, very fast)
- 4) Name of slide:

Photo 6

- 1) Type of material (Rock, Debris, Soil/Earth, Mud, Other – specify)
- 2) Type of movement (Fall, Slide, Flow, Complex Movement)
- 3) Estimated Rate of Movement (Very slow, slow, intermediate, fast, very fast)
- 4) Name of slide: