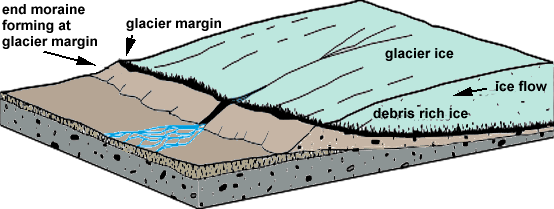
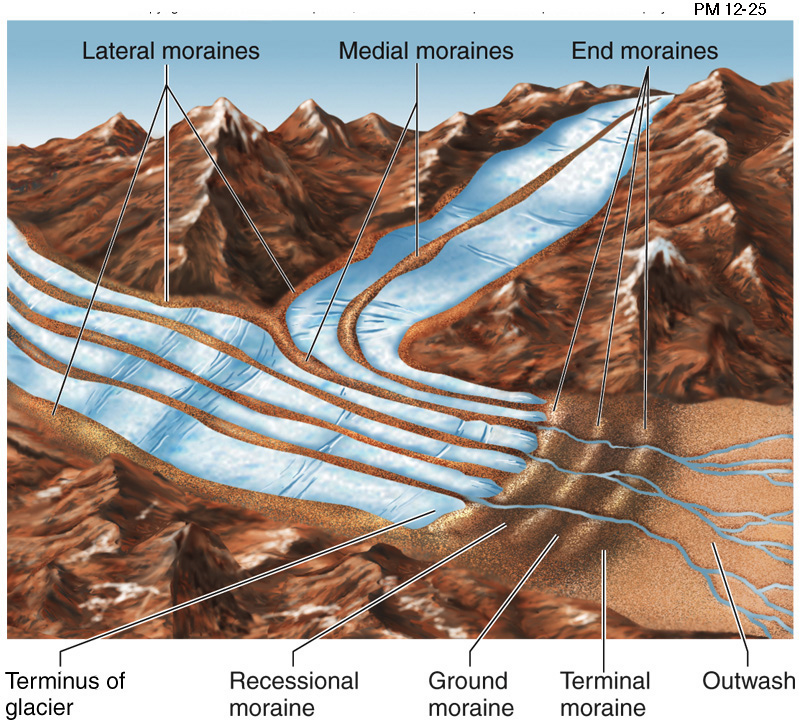
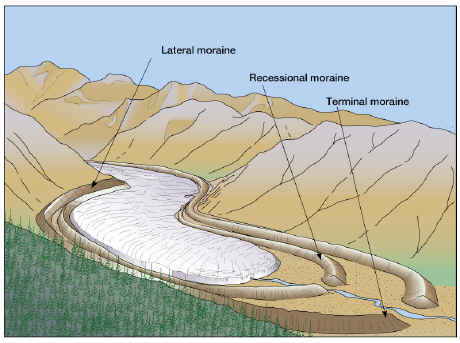
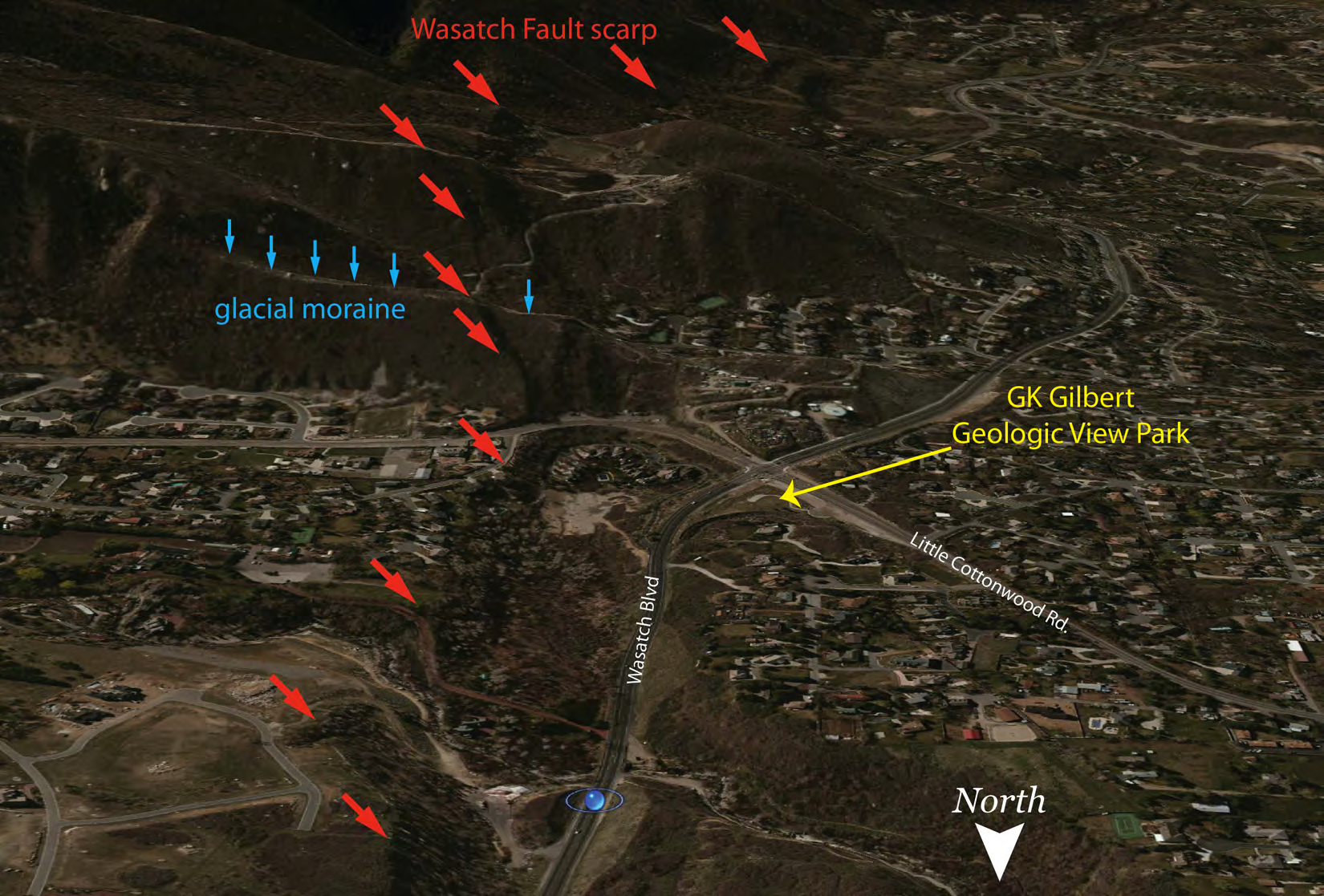
All about Moraines

* Moraines are formed by glaciers
  + Glaciers- fallen snow that compresses into thick, ice masses that have mobility
* Accumulation of unconsolidated glacial debris as glacier contracts
  + A mound, ridge, or other distinct accumulation of glacial till
* Occur in areas of a past glacial maximum
* Sub-angular/rounded shape
* Unique landscape to define features- debris shaped by trajectory of glacier, leave track behind
* Bands of debris
  + Medial- run down middle of glacier
  + Lateral- run along sides of glacier
  + Terminal- found at ‘snout’ end of a glacier









Jon Harbor’s Project

**Moraines**

Measuring past climate change to look at current climate changes

* Glacier size is one way of doing that
  + getting smaller and as they fall back they leave behind deposits
* Currently mapping Central Asia

Utilize Google Earth to identify moraine areas (place marker on possibilities)

* Include tutorial, “Here’s what we’re looking for”
* Classification put into levels of difficulty
* User given choice of area of interest or be assigned
* Users can help direct where team goes

**Project 2: Environment- Rainwater runoff**

What was there before?

Observing land use changes over time

Driven by photos, keywords, analyzed by researchers

Storm water management in local community (Purdue-focused)

* Geared toward students on campus (?)
* Observe location, soil type, land use
* SIM City interface (?)