

**Slide Name:** (GP 17) Hwy 40:34 Grande Cache Lake  
**Inspection Date:** June 24, 2004  
**Inspection By:** Alberta Transportation and EBA Staff listed on Page 1

## 1.0 BACKGROUND

Refer to EBA 2003 and earlier reports for site conditions and details of risk assessment. Instrumentation was not installed at this site. This site is located along the shoreline of Grande Cache Lake with the roadway constructed as a sidehill cut/fill at the toe of a mountain slope.

The reconstruction of slope with subsurface drains, gabion retaining wall and shot rock was completed in the fall of 2002. The details were presented in EBA's October 2002 Construction Summary report (0104-00-22537.010).

## 2.0 OBSERVATIONS

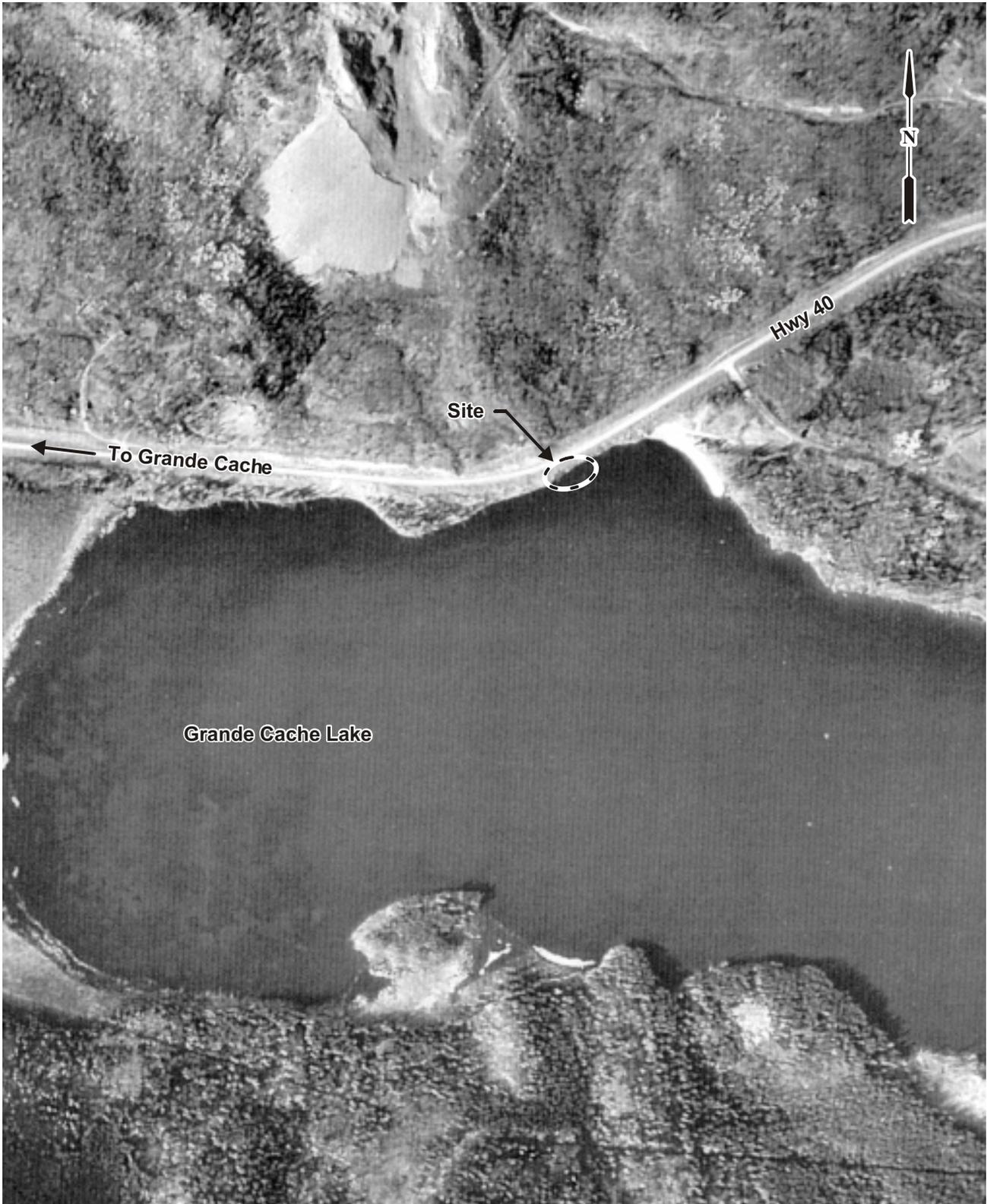
- The slope reconstruction is performing well. The main construction features included:
  - a 2 m high gabion retaining wall at toe of reconstructed slope.
  - Subsurface drain (herringbone drain beneath backfill and at contact with native soil) daylighted at toe of slope at gabion area.
  - Slope backfill comprising shot-rock of sandstone, conglomerate and shale material.

## 3.0 RISK ASSESSMENT

PF (3) \* CF (7) = 21

## 4.0 ACTION

- Maintenance forces should continue visual monitoring of this reconstructed slope.
- Annual inspection of this site should continue.



Based on 1997 Aerial Photograph



**Figure 1**  
Site Plan



**Photo 1**  
Looking west (toward Grande Cache) at Grande Cache Lake.



**Photo 2**  
Looking east and up slope from trail at toe area.

*Note: Photos Taken in June, 2004*