

Instrumentation and Monitoring of Slope Stability

W. Allen Marr¹, P.E., Ph.D., NAE

¹CEO, Geocomp Corporation, 125 Nagog Park, Acton, MA 01720

ABSTRACT

Instrumentation and monitoring of earth structures has experienced phenomenal change and growth since the last slope stability conference some twenty years ago. This paper gives an overview of the current state-of-practice of instrumentation and monitoring for slopes and embankments and other structures that involve global instability considerations. Reasons to monitor performance, technological revolutions in instrumentation and monitoring over the past 20 years and some recommended practices are presented and discussed.

A principal theme of this paper is the important role of instrumentation and monitoring in helping to identify and manage risk. When considered as a part of a risk management program, the role and value of instrumentation and monitoring program becomes much clearer to all involved.

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