

Dam Monitoring of Regional Dams

Jarad Cannings

NSW Public Works

Department of Regional NSW

jarad.cannings@pwa.nsw.gov.au

Lachlan Anderson

NSW Public Works

Department of Regional NSW

lachlan.anderson@pwa.nsw.gov.au

ABSTRACT

This presentation delves into the essential role of dam monitoring within the context of dam safety requirements for local governments in New South Wales. NSW Public Works takes a pivotal role in conducting dam monitoring surveys for many regional councils across the state. The discussion centres on the approach adopted by NSW Public Works in monitoring dams, giving an overview of methodologies applied in dam monitoring with emphasis on technological advancements and considerations in network design. Drawing upon recent examples of network designs implemented at various dams, the presentation aims to provide valuable insights into the effective strategies employed by NSW Public Works to help ensure the safety of many dams across NSW.

KEYWORDS: *Dams, deformation monitoring, least squares, dam safety.*