

Birchville Dam Routine Inspection Checklist #120373

Summary information:

Type	Concrete Arch
Height	15m
Storage volume	Approx 20,000 m3
Year constructed	1930
Key failure modes	FM1: Abutment failure under normal loading FM2: Earthquake leading to significant structural damage and/or abutment failure
Special feature	Left abutment to be monitored for signs of seepage and instability (FM1 & FM2). Surface weathering (e.g. scree) is ok.

Inspected by:	JOEL REWILL
Date and time of inspection:	27/5/2013 9:45am
Weather:	calm & over cast

Inspection checklist:

Line	Identifier (Identifier with hyphen = visual check; identifier without hyphen = measurement)	Item	Enter; 0 for Ok/Normal, 1 for Changed, or numerical value if measurable.	Comment if Changed or other
1	BRCHLAKE	Lake level in metres below (-) or above (+) spillway invert at crest	0	
2	BRCH-RES	Reservoir rim stability	0	
3	BRCH-RABT	Right abutment stability	0	
4	BRCH-LABT	Left abutment stability	0	Looking good after it cut back
5	BRCH-CREST	Crest of dam and spillway	0	
6	BRCH-DSRABT	Downstream right abutment stability and dryness	0	
7	BRCH-TOE	Dam toe soundness (e.g. erosion protection intact)	0	
8	BRCH-DSLBT	Downstream left abutment stability and dryness.	0	