

DAMS - Case Studies



In the US number of dams determined to be unsafe or deficient has risen from 3,500 in 2005 to 4,095 in 2007.³ Of that number, high hazard potential dams that are also classified as deficient has risen from 1,367 in 2005 to 1,819 in 2007. The greatest indicator of the condition of the nation's dams can be seen in the Table that demonstrates the increase in the number of high hazard dams that need to be repaired compared to the number of completed repairs to high hazard dams, which remains flat.³ The rate of dam repairs is not keeping pace with the increase in the number of high hazard dams that need rehabilitation. The gap between dams needing repair and those actually repaired is growing significantly.

year	# of deficient dams	# of High Hazard deficient dams	# of High Hazard repaired dams	# of High Hazard Dams needing repair
2001	1,348	488	124	364
2002	1,536	646	163	483
2003	2,004	648	120	528
2004	3,000	979	100	879
2005	3,271	1,367	138	1,229
2006	3,346	1,308	139	1,169
2007	4,095	1,826	83	1,743

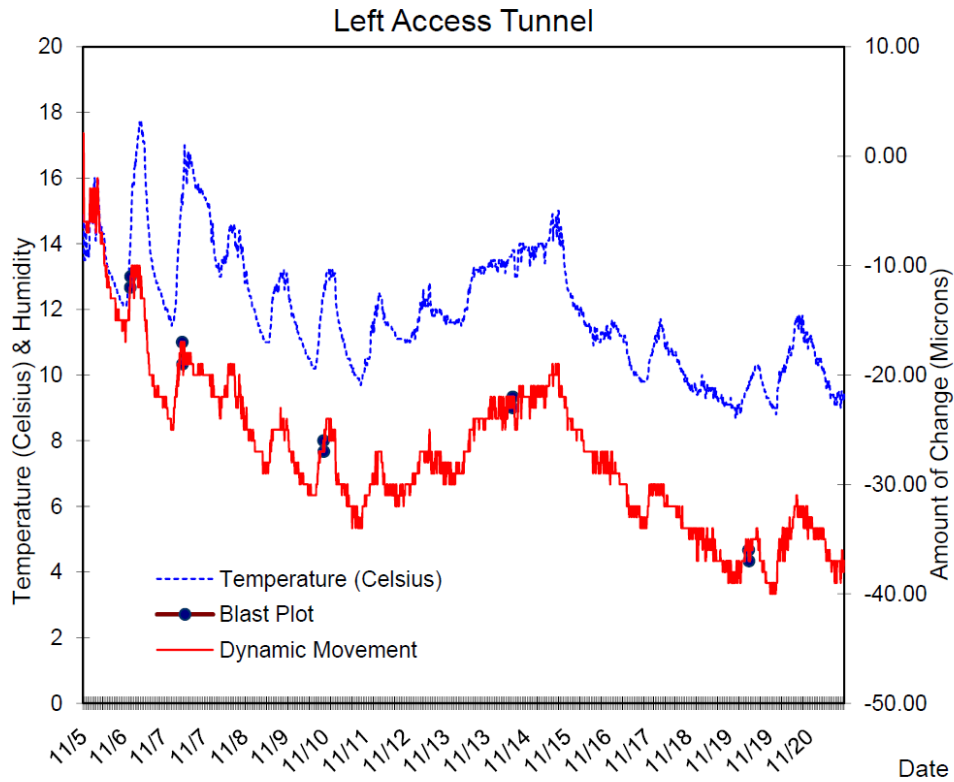
Number of Deficient Dams in United States by Repair Status. SOURCE Association of State Dam Safety Officials

YieldPoint's instrumentation has been used to successfully monitor dams under rehabilitation. These projects have been coordinated by our technical partner **Sauls Seismic Inc** in the US.



....

The **d-GMM(SPECTRE)** and **d-micro** being used to monitor an aging dam under rehabilitation.



Data obtained using a d-micro (micron resolution) by Sauls seismic

Literature:

<http://140.194.76.129/publications/eng-manuals/em1110-2-1908/toc.htm>

<http://apps.asce.org/reportcard/2005/page.cfm?id=23>