

# Harvey Dam



<b>Location</b>	Harvey, WA
<b>Client</b>	Water Corporation
<b>Contract</b>	Lump Sum
<b>Total Cost</b>	\$47m
<b>Duration</b>	December 2000 - July 2002



Harvey dam is a major component of the Stirling-Harvey redevelopment scheme. The dam has a storage capacity of 60 Gigalitres.

Construction of the new Harvey Dam is a major component of the Stirling-Harvey Redevelopment Scheme. The dam has a storage capacity of 60 gigalitres. Supply level is 78 metres above sea level, 14 metres higher than the old weir.

The 45 metre high dam comprises an earth core rockfill embankment about 350 metres long separated, by a 50 metre transition zone, from a 200 metre earthfill embankment. About 1.4 million cubic metres of fill was used.

The spillway is about 30 metres wide and over 500 metres long. It has been designed to handle the flow of a 1 in a million year flood.

The intake structure is a circular dry tower of reinforced concrete topped with a hoist house. Three intakes will feed a 1.8 metre outlet.

Located close to residential and agricultural areas, close attention was paid to environmental and community relations issues. Control plans were developed to address issues such as; noise and dust, vibration and blasting, weed and fire control, traffic movements, dieback management and forest hygiene, vegetation protection and rehabilitation.

Senior personnel had an active role in the Harvey Community Committee and ensured the community's concerns were managed in a responsible and sympathetic way.



### Outcomes

- Completed on schedule and within budget
- No Lost Time Injury over 2 seasons
- Compliance with strict environmental requirements
- Project team and skills have transferred to other Water Corporation projects