

1/4/2011

Queensland Floods Commission of Inquiry

Brisbane Queensland

Richard Swift

Subject: Lake Wivenhoe & the Brisbane River, 2008.

Engineering remedies for flood prevention control and improvements that embrace the future well being of dwellings and commercial business located along side the Brisbane River.

Proposed: Construction of a spillway tunnel six to seven metres diameter with suitable control gates from Lake Wivenhoe to exit water into Moreton Bay below Redcliffe during flood catchment heavy water flow into Lake Wivenhoe. Approximate distance fifty kilometres.

This spillway tunnel would serve two purposes.

1. Reduce, in high prolonged wet seasons the outflow of water from the existing spillway to the Brisbane River allowing the control of water entering the Brisbane River from Lake Wivenhoe.

Lake Wivenhoe contributed to Brisbane River flooding January 2011.

2. Allow convenient lowering of the water level in Lake Wivenhoe for Lake Wivenhoe Dam maintenance without inconvenience to all those various diverse groups who enjoy activities on the Brisbane River. The spillway tunnel could incorporate a hydro generating station thus putting to use valuable water resources.

The spillway tunnel operation would require the outlet to be at half the operating depth of Lake Wivenhoe. Weather predictions would indicate when water would need to be released preventing water from the Lake Wivenhoe catchment overflowing over the spillway into the Brisbane River.

The diversion tunnel flow rate time from Lake Wivenhoe into Moreton Bay. The measurement of litres per hour, or giga litres per hour.

Federal financing for a spillway tunnel would be required.

The spillway tunnel would provide peace of mind to Brisbane public. Till construction is complete, or if it never happens, I suggest Lake Wivenhoe never be allowed to be more than two thirds full as a buffer against unpredictable flood conditions.

Yours Sincerely,

