

10-01402.07.00

REF. 223/01/18
- 3 NOV 1978
CENTRAL RECORDS

37

DEPARTMENT OF WORKS

TWC:GB

~~204/43/223~~



31 August 1978



MEMORANDUM:

Chief Engineer and Manager

APPROVAL FOR THE ERECTION OF DWELLINGS
IN FLOOD PRONE AREAS

The Establishment and Co-ordination Committee at its meeting held on 13 September 1976 approved of a memorandum of the Manager, Department of Health Parks and Building in which the anticipated 1974 river flood level after Wivenhoe Dam formed the basis of recommended floor levels for habitable rooms.

To date, the Works Department has advised of the anticipated effects by adopting a flood storage component for the proposed Wivenhoe Dam of 1.04 million Ml. This results in a 1974 type river flood being reduced from a level of 5.5 m to a level of 3.7 m approximately (Australian Height Datum) at the Brisbane City Gauge.

The flood storage component has subsequently been set at 1.4 million Ml, and it is now anticipated the 1974 type flood controlled by the dam would be mitigated to 3 m at the Brisbane City Gauge. This would have the effect of lowering the actual floor levels recommended up until now. By way of example, flood levels in the Oxley Creek area are affected as follows.

Level at Brisbane City Gauge	Anticipated Level Oxley Creek Area
5.5 - actual 1974	R.L. 40 ft. BCC
3.7 - mitigated level currently used	R.L. 29 ft. BCC
3 - mitigated level from larger dam	R.L. 25 ft. BCC

For this larger dam, the 3 m mitigated flood is estimated to be an average 1 in 55 years event, and the 3.7 m mitigated flood to be an average 1 in 100 years event. It is considered that immunity from the 1 in 100 year flood is a minimum desirable standard.

The matter has been discussed with the Department of Health Parks and Building and that Department agrees with the Works Department in the following recommendation.

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RECOMMENDATION

1. That the 3.7 m flood at the Brisbane City Gauge be retained as a basis for recommending habitable floor levels of dwellings in areas prone to Brisbane River flooding.

[Signature]
A/Engineer for Design

Town Clerk
I concur.

[Signature]
A/Chief Engineer and Manager

[Signature] 9.9.78

APPROVED BY THE ESTABLISHMENT AND CO-ORDINATION COMMITTEE, 30/10/78

[Signature]

① Mgr H. P. & B.

② Return Eng Des. whs
[Signature] for CE/whs
6/11/78

Original retained with Establishment and Co-ordination Committee Minutes

RECEIVED
DEPT. OF CITY ADMIN.
30 OCT 1978
GENERAL ADMIN. BRANCH

[Handwritten notes] 3/11/78

[Handwritten notes] 3/11/78

[Handwritten notes] 13/11/78
14.11.78

CLASS	COLL.	SUBJECT
<i>[initials]</i>		<i>[initials]</i>
Details		
X-ref.		
Name	<i>[initials]</i>	<i>[initials]</i>
P/P's YES	PREV. COLLEGE/SUBURB	