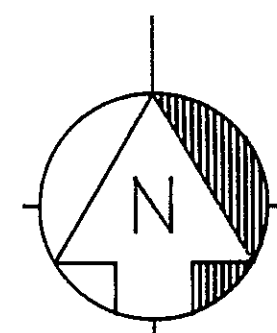


GRID NAME	1% LEVEL (m-AHD)
REGATTA	26.8
VICTORIA	26.1
BRIDGEVIC	25.9
DSVICBR	26.1
PENRITHWR	25.6
BELOWWEIR	25.5
PEACH	25.4
QUARRY	25.4
QUARRYBR	25.2
JACKSONSFD	24.3
MCCANNIS	24.2
BONNIEVALE	23.9 *
JACKSONSLN	23.5 *
MINNA	22.3 *
YELLOWROCK	21.4 *
FRAZERSCK	20.6 *
MILLDAM	20.6 *
DEVLINSRD	20.2 *
RIVERSIDE	19.0 *
KOORINGAL	18.4 *

* FOR LOCATIONS DOWNSTREAM OF MCCANNIS ISLAND THE EXPECTED ACCURACY WOULD BE LOWER DUE TO THE LACK OF CALIBRATION DATA AND UNCERTAINTIES IN CROSS-SECTION SHAPE RESULTING FROM THE NATURAL PROCESSES AND EXTRACTIVE ACTIVITIES.

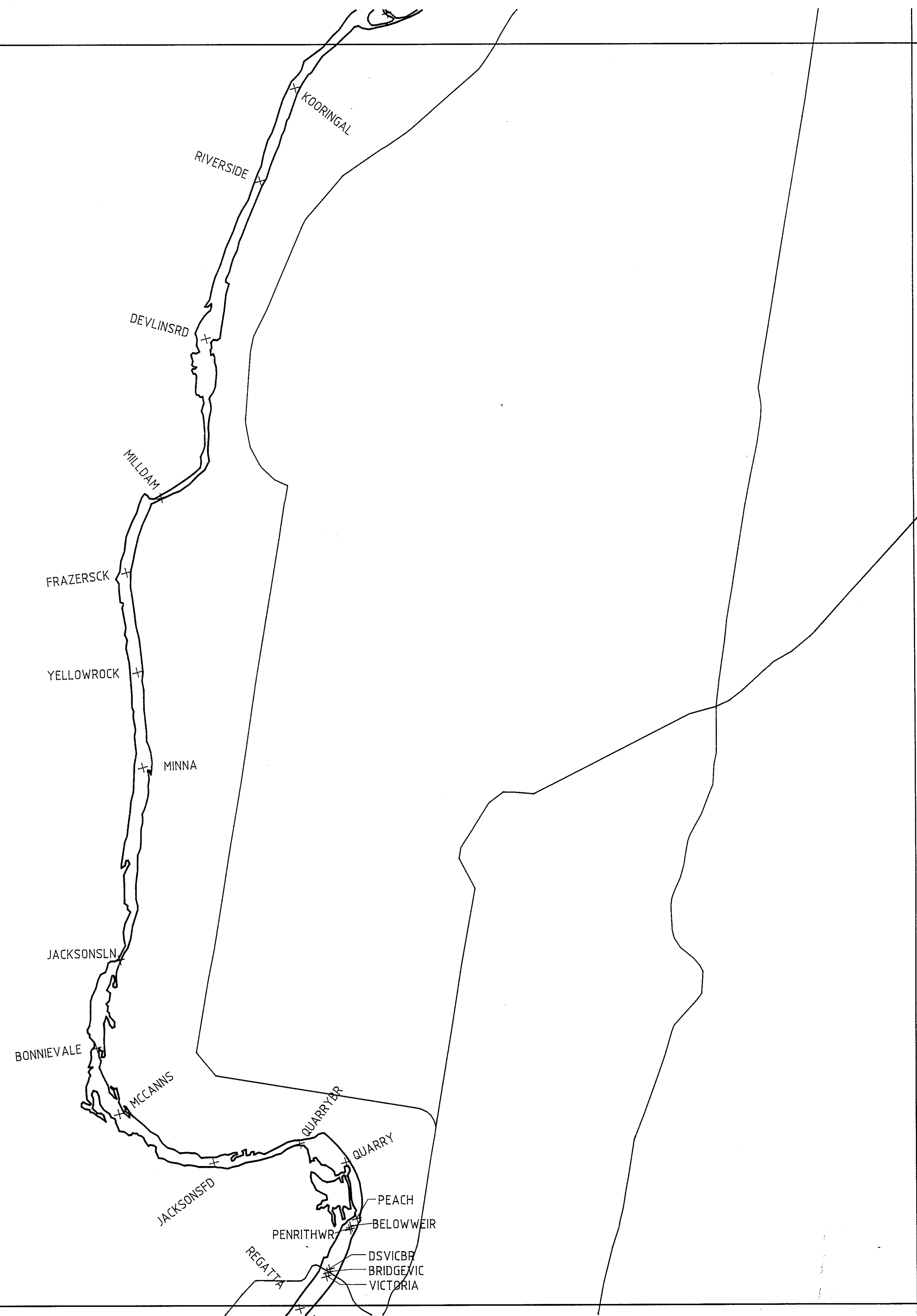


SPRINGWOOD MAP OVERLAY

1 : 25,000
0 0.25 0.5 0.75 1km

NOTES :

- 1 THE FLOOD LEVEL INFORMATION IS SOURCED FROM THE HAWKESBURY NEPEAN FLOOD STUDY CARRIED OUT FOR THE WATER BOARD AS PART OF THE WARRAGAMBA DAM UPGRADING EIS.
- 2 WATER LEVELS ARE APPLICABLE TO AREAS IMMEDIATELY ADJACENT TO THE MAIN CHANNEL. AVERAGE VELOCITIES IN THE MAIN CHANNEL RANGE UP TO 5m/s. WHERE APPROPRIATE SOME ALLOWANCE HAS BEEN MADE FOR VELOCITY EFFECTS. FOR STRUCTURES ENCRDACHING INTO THE MAIN CHANNEL FLOW AREA, SOME FURTHER ALLOWANCE FOR VELOCITY EFFECTS MAY BE APPROPRIATE. WATER LEVELS AWAY FROM THE MAIN CHANNEL WILL DIFFER FROM THE FIGURES GIVEN.
- 3 THE EXPECTED ACCURACY OF THE DESIGN FLOOD LEVELS IS +/- 0.5m.
- 4 GRIDPOINT NAMES GENERALLY CORRESPOND TO THE NEAREST LAND FEATURE.
- 5 THIS MAP SHOULD BE ALIGNED BY MATCHING THE RIVER WITH THE CORRESPONDING CMA 1:25,000 TOPOGRAPHIC MAP. ROAD LOCATIONS ARE APPROXIMATE.



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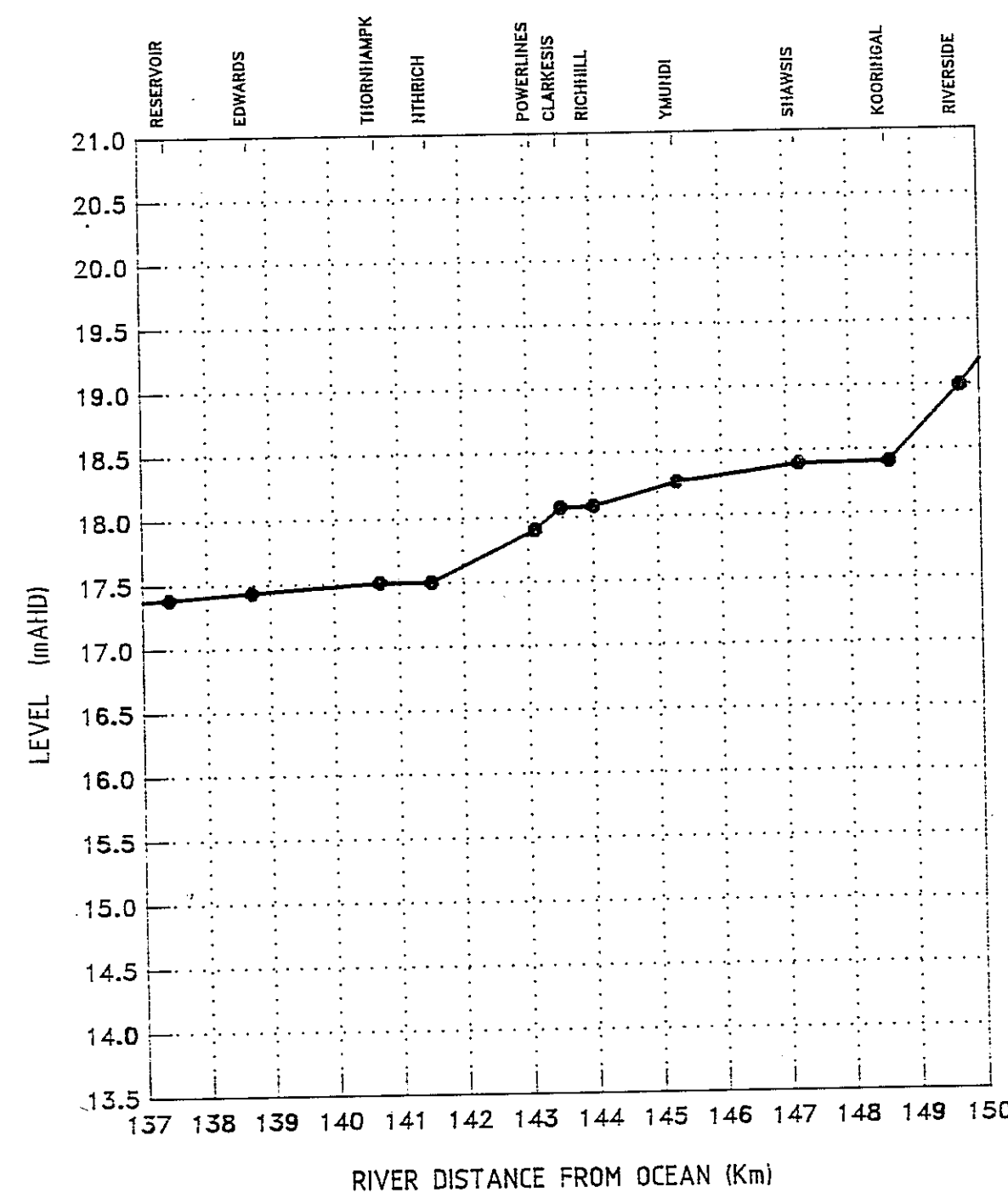
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DRAWN	HC	
CHECKED	MB	1.6.
M/PLM	LETTER	DETAILS OF AMENDMENT

JOB No.	94020-01
APPROVED	<i>[Signature]</i> 14/3/94
APP'D	DATE
	CONSULTING ENGINEER

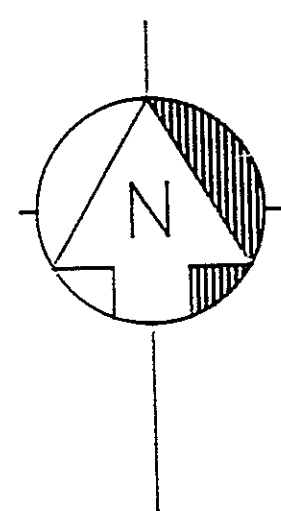
HAWKESBURY CITY COUNCIL

HAWKESBURY NEPEAN FLOOD LEVELS

ISSUE	DRAWING No.
	SPRINGWOOD
	1



1% FLOOD PROFILE



KURRAJONG
MAP OVERLAY

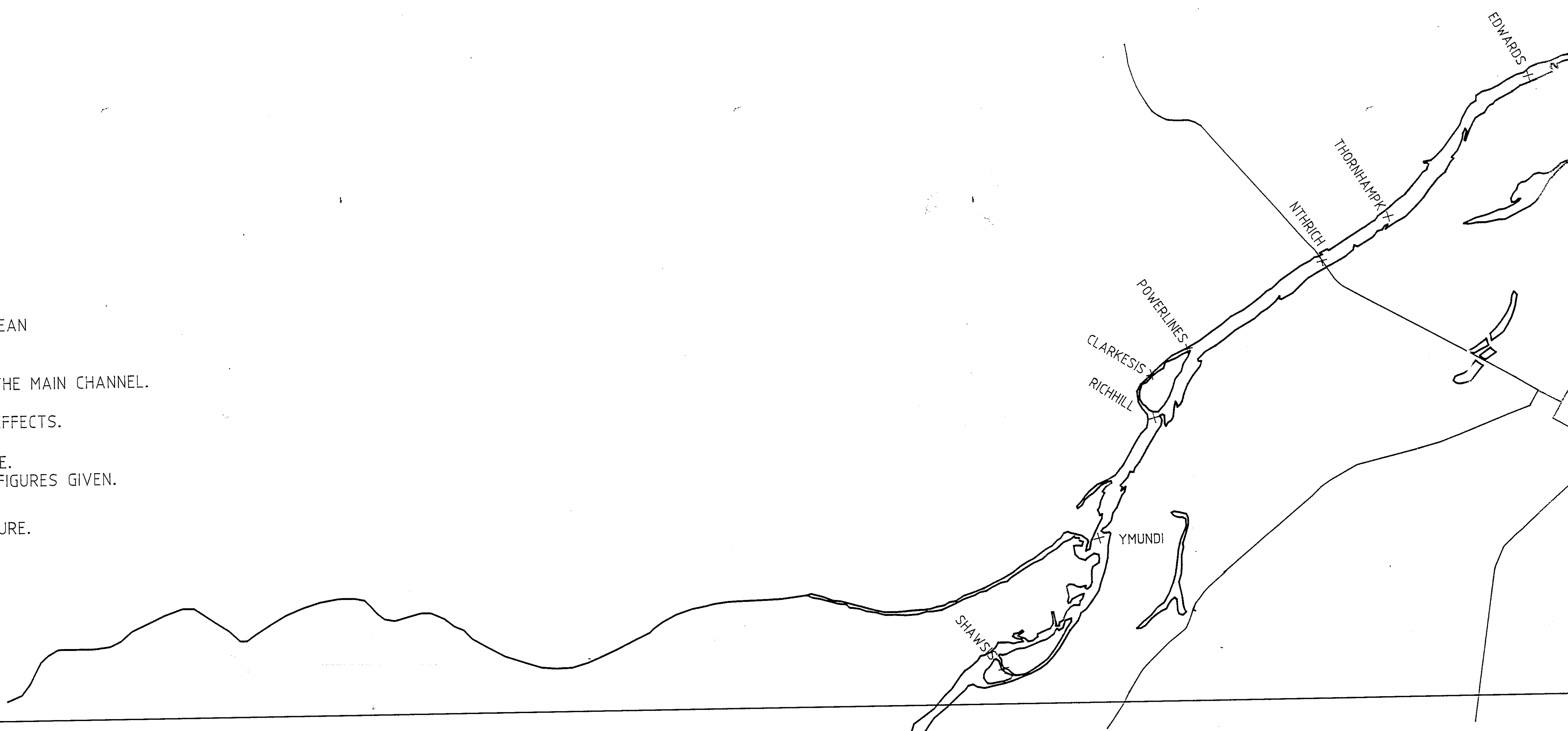
1 : 25,000 0 0.25 0.5 0.75 1km

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GRID NAME	1% LEVEL (m AHD)	2% LEVEL (m AHD)	5% LEVEL (m AHD)	10% LEVEL (m AHD)	20% LEVEL (m AHD)
SHAWNS	18.4 *	17.6 *	16.3 *	14.9 *	13.2 *
YMUNDI	18.3	17.4	16.2	14.8	13.1
RICHHILL	18.1	17.2	15.9	14.5	12.9
CLARKESIS	18.1	17.2	15.9	14.5	12.9
POWERLINES	17.9	16.9	15.7	14.4	12.8
NTHRICH	17.5	16.4	15.1	14.0	12.5
THORNHAMPK	17.5	16.4	15.1	14.0	12.4
EDWARDS	17.4	16.0	14.7	13.6	12.2

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HAWKESBURY CITY COUNCIL

HAWKESBURY NEPEAN FLOOD LEVELS

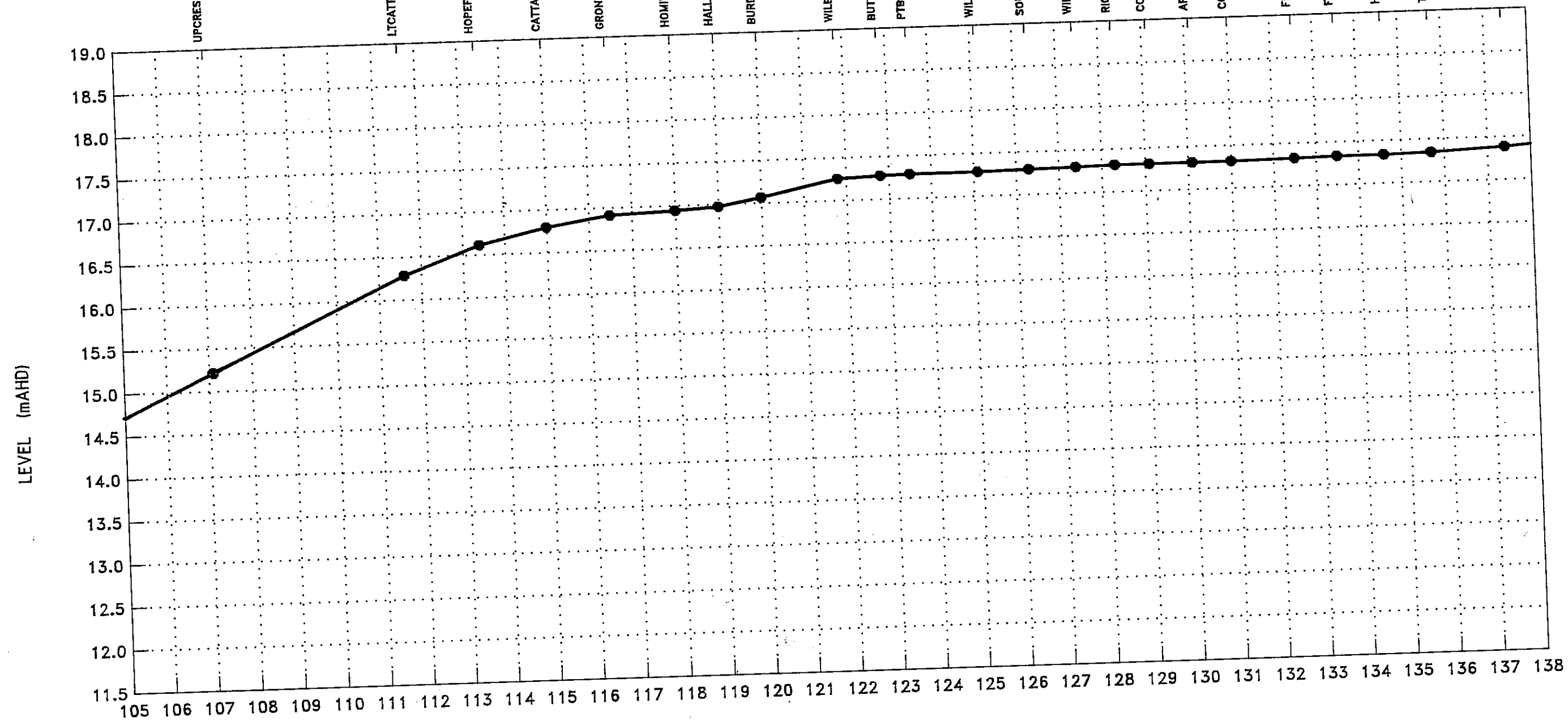
WEBB, McKEOWN & ASSOCIATES PTY. LTD.
CONSULTING ENGINEERS
17 YORK STREET, SYDNEY 2000
phone (02) 264 1544
fax. (02) 267 7038

DESIGNED	MB	M.B.
DRAWN	HC	HC
CHECKED	MB	M.B.
DATE	14/3/94	

JOB No. 94020-01
APPROVED
CONSULTING ENGINEER

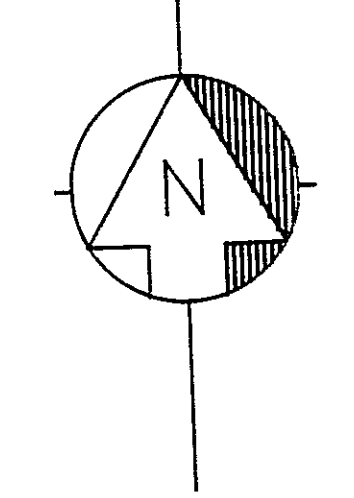
ISSUE	DRAWING No.
	KURRAJONG
	1

Hawkesbury Nepean
Flood Levels
Wilberforce Overlay
1:25,000



1% FLOOD PROFILE

GRID NAME	1% LEVEL (mAHD)	2% LEVEL (mAHD)	5% LEVEL (mAHD)	10% LEVEL (mAHD)	20% LEVEL (mAHD)
RESERVOIR	17.4	15.9	14.3	13.3	12.0
TERRACEPK	17.3	15.8	13.9	12.9	11.8
HIBBERTSLN	17.3	15.8	13.8	12.8	11.7
FREEMANS	17.3	15.8	13.8	12.7	11.6
FREEREACH	17.3	15.8	13.7	12.6	11.5
CORDNERS	17.3	15.8	13.7	12.5	11.4
ARGYLE	17.3	15.8	13.7	12.4	11.3
CORNWALL	17.3	15.8	13.7	12.4	11.3
RICKABYS	17.3	15.8	13.7	12.4	11.3
WINDSORBR	17.3	15.7	13.7	12.3	11.1
SOUTHCK	17.3	15.7	13.7	12.3	11.1
WILBREACH	17.3	15.7	13.6	12.3	11.0
PTBOTTS	17.3	15.7	13.6	12.3	10.9
BUTTERFLYF	17.3	15.7	13.6	12.2	10.9
WILBER	17.3	15.7	13.6	12.2	10.8
BURDKNRD	17.1	15.5	13.4	12.0	10.6
HALLSPT	17.0	15.4	13.3	11.9	10.5
HOMINYPT	16.9	15.4	13.3	11.9	10.4
GRONOSPT	16.9	15.3	13.2	11.8	10.2
CATTAICK	16.8	15.2	13.0	11.6	10.1
HOPEFARM	16.6	15.0	12.9	11.4	9.9
LTCATTAI	16.3	14.7	12.6	11.2	9.7
UPCRESENT	15.2	13.7	11.8	10.5	9.0



WILBERFORCE
MAP OVERLAY

1:25,000 0 0.25 0.5 0.75 1km

NOTES:

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DESIGNED	MB	M.B.
DRAWN	HC	
CHECKED	MB	M.B.
N/F/EM	LETTER	

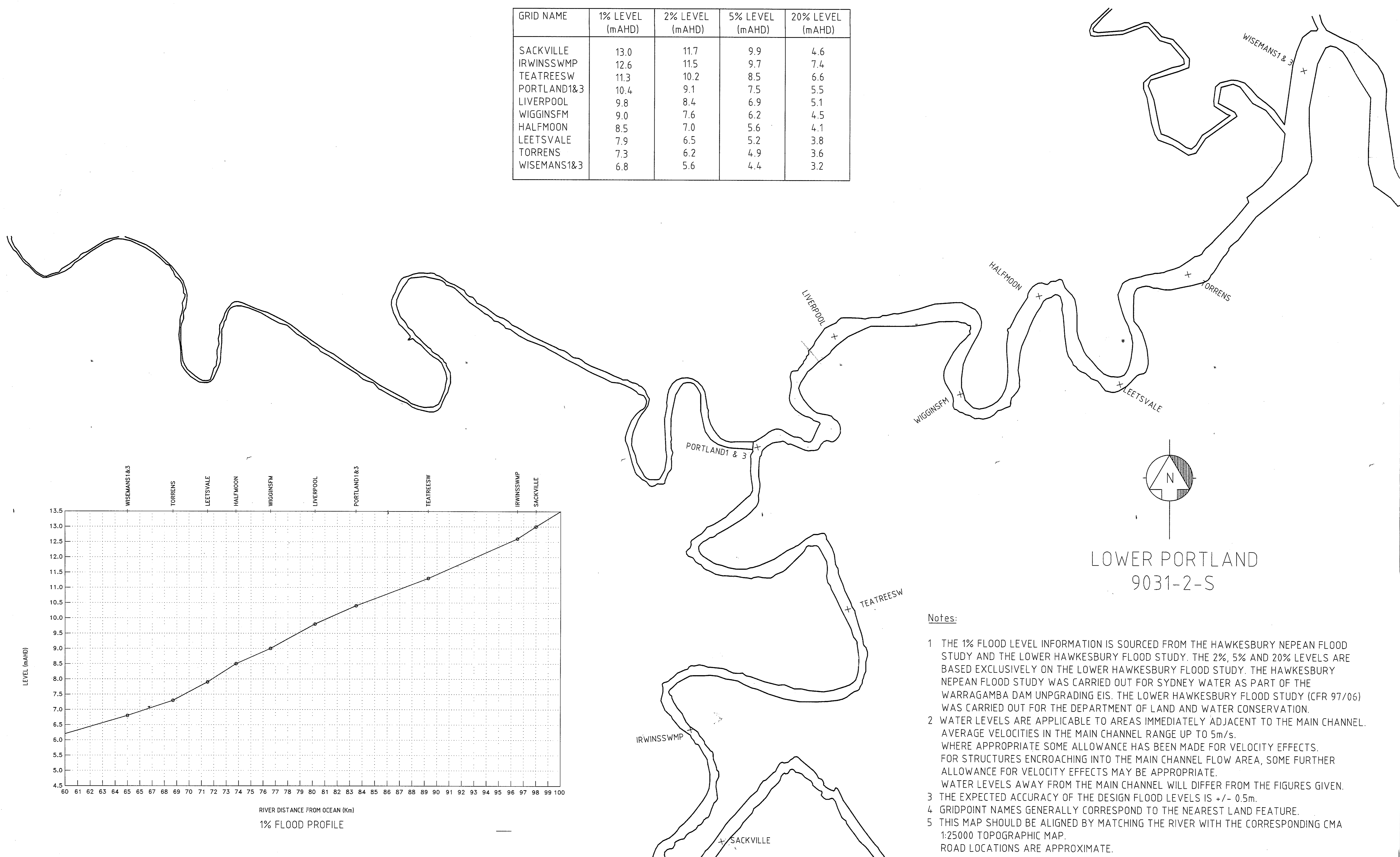
JOB No. 94020-01
APPROVED
M.D.W. 14/3/94
CONSULTING ENGINEER

HAWKESBURY CITY COUNCIL

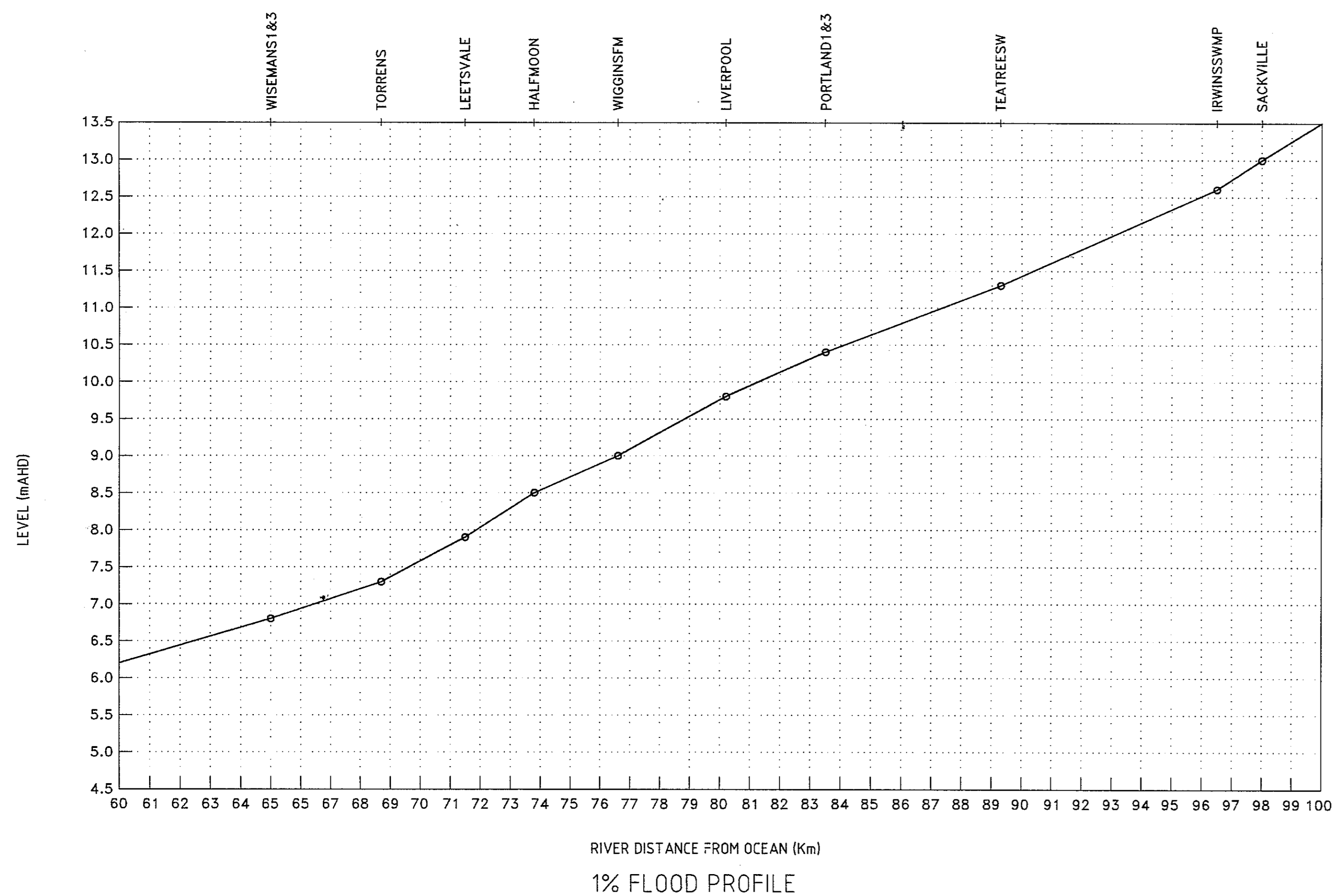
HAWKESBURY NEPEAN FLOOD LEVELS

ISSUE	DRAWING No.
	1

GRID NAME	1% LEVEL (mAHD)	2% LEVEL (mAHD)	5% LEVEL (mAHD)	20% LEVEL (mAHD)
SACKVILLE	13.0	11.7	9.9	4.6
IRWINSSWMP	12.6	11.5	9.7	7.4
TEATREESW	11.3	10.2	8.5	6.6
PORTLAND1&3	10.4	9.1	7.5	5.5
LIVERPOOL	9.8	8.4	6.9	5.1
WIGGINSFM	9.0	7.6	6.2	4.5
HALFMOON	8.5	7.0	5.6	4.1
LEETSVALE	7.9	6.5	5.2	3.8
TORRENS	7.3	6.2	4.9	3.6
WISEMANS1&3	6.8	5.6	4.4	3.2



LOWER PORTLAND
9031-2-S

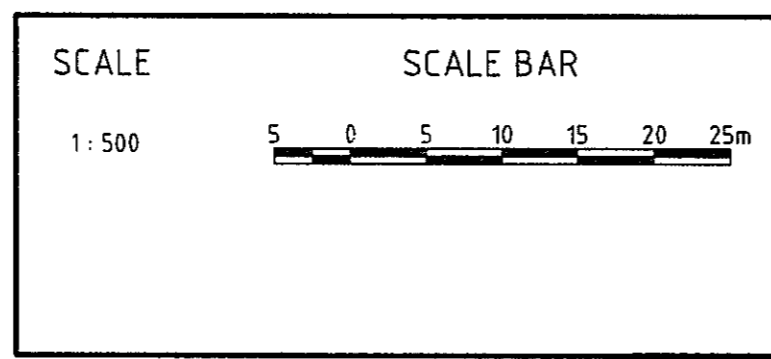


Notes:

- 1 THE 1% FLOOD LEVEL INFORMATION IS SOURCED FROM THE HAWKESBURY NEPEAN FLOOD STUDY AND THE LOWER HAWKESBURY FLOOD STUDY. THE 2%, 5% AND 20% LEVELS ARE BASED EXCLUSIVELY ON THE LOWER HAWKESBURY FLOOD STUDY. THE HAWKESBURY NEPEAN FLOOD STUDY WAS CARRIED OUT FOR SYDNEY WATER AS PART OF THE WARRAGAMBA DAM UNGRADING EIS. THE LOWER HAWKESBURY FLOOD STUDY (CFR 97/06) WAS CARRIED OUT FOR THE DEPARTMENT OF LAND AND WATER CONSERVATION.
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Email wms@webbmckeown.com.au Fax (02) 9262 6208

MK	DETAILS OF AMENDMENTS	APPROVED	DATE
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DATE	AUSTRALIAN HEIGHT DATUM
ORIGIN OF LEVELS	
AZIMUTH	
FOLDER	LB FB
L & A	
SURVEYOR	FILE
SURVEY DATE	
CADD	
VERIFIED	
VALIDATED	
APPROVED MANAGER	<i>M. K. O'Connell</i> 25/11/01

FILE 20116
DRAWING NO. SHEET 1 OF 1

HAWKESBURY CITY COUNCIL
LOWER HAWKESBURY FLOOD LEVELS
LOWER PORTLAND