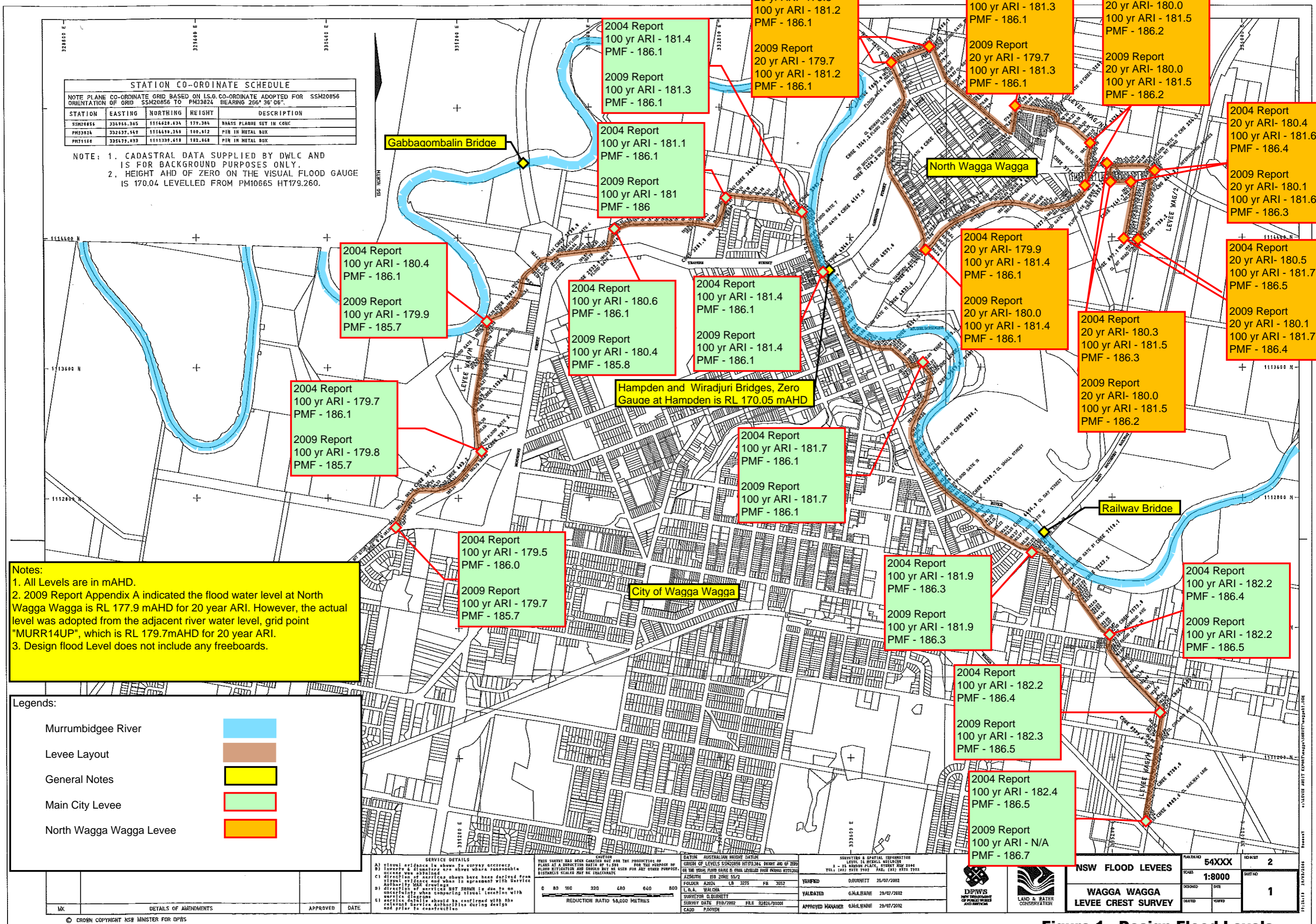


Figures



STATION CO-ORDINATE SCHEDULE

NOTE PLANE CO-ORDINATE GRID BASED ON I.S.G. CO-ORDINATE ADOPTED FOR SSM20856 ORIENTATION OF GRID SSM20856 TO PM33824 BEARING 266° 36' 06"

STATION	EASTING	NORTHING	HEIGHT	DESCRIPTION
SM20856	334966.365	1114628.434	179.384	BRASS PLAGUE SET IN CONC
PM33824	332437.519	1114619.359	180.412	PIN IN METAL BOX
PM1166	335179.039	1111399.619	182.944	PIN IN METAL BOX

NOTE: 1. CADASTRAL DATA SUPPLIED BY DWLC AND IS FOR BACKGROUND PURPOSES ONLY.
 2. HEIGHT AHD OF ZERO ON THE VISUAL FLOOD GAUGE IS 170.04 LEVELLED FROM PM10665 HT179.260.

Notes:
 1. All Levels are in mAHD.
 2. 2009 Report Appendix A indicated the flood water level at North Wagga Wagga is RL 177.9 mAHD for 20 year ARI. However, the actual level was adopted from the adjacent river water level, grid point "MURR14UP", which is RL 179.7mAHD for 20 year ARI.
 3. Design flood Level does not include any freeboards.

Legends:

- Murrumbidgee River
- Levee Layout
- General Notes
- Main City Levee
- North Wagga Wagga Levee

<p>THIS SURVEY HAS BEEN CONDUCTED FOR THE PRODUCTION OF PLANS AT A REDUCTION RATIO OF 1:5000 FOR THE PURPOSE OF FLOOD MITIGATION AND SHOULD NOT BE USED FOR ANY OTHER PURPOSE. DISTANCES SCALED MAY BE INACCURATE.</p> <p>REDUCTION RATIO 1:5000 METRES</p>		<p>DATUM AUSTRALIAN HEIGHT DATUM</p> <p>ORDER OF LEVELS: SENCORNS HEIGHTS, BERRY AND UP ZERO ON THE 100M PLANO TABLE IS ONLY LEVELLED FROM PM10665 WITHIN 200M.</p> <p>AZIMUTH ISB ZONE 55/2</p> <p>FOLDER A2024 LB 3275 FB 3052</p> <p>L.O.A. WALCHA</p> <p>SURVEYOR O.BURNETT</p> <p>SURVEY DATE FEB/2002 FILE R2821/00001</p> <p>CADD P.0007H</p>		<p>SURVEYING & SPATIAL INFORMATION</p> <p>1 - 21 BARRON PLACE, STONEY RIDGE 2040</p> <p>TEL: (02) 9312 7007 FAX: (02) 9312 1022</p> <p>VERIFIED D.BURNETT 25/07/2002</p> <p>VALIDATED G.McHARE 29/07/2002</p> <p>APPROVED MANAGER G.McHARE 29/07/2002</p>		<p>NSW FLOOD LEVELS</p> <p>PLAN/NO 54XXX</p> <p>SCALE 1:8000</p> <p>WAGGA WAGGA</p> <p>LEVEE CREST SURVEY</p> <p>REVISIONS: 1</p>	
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Figure 1 - Design Flood Levels

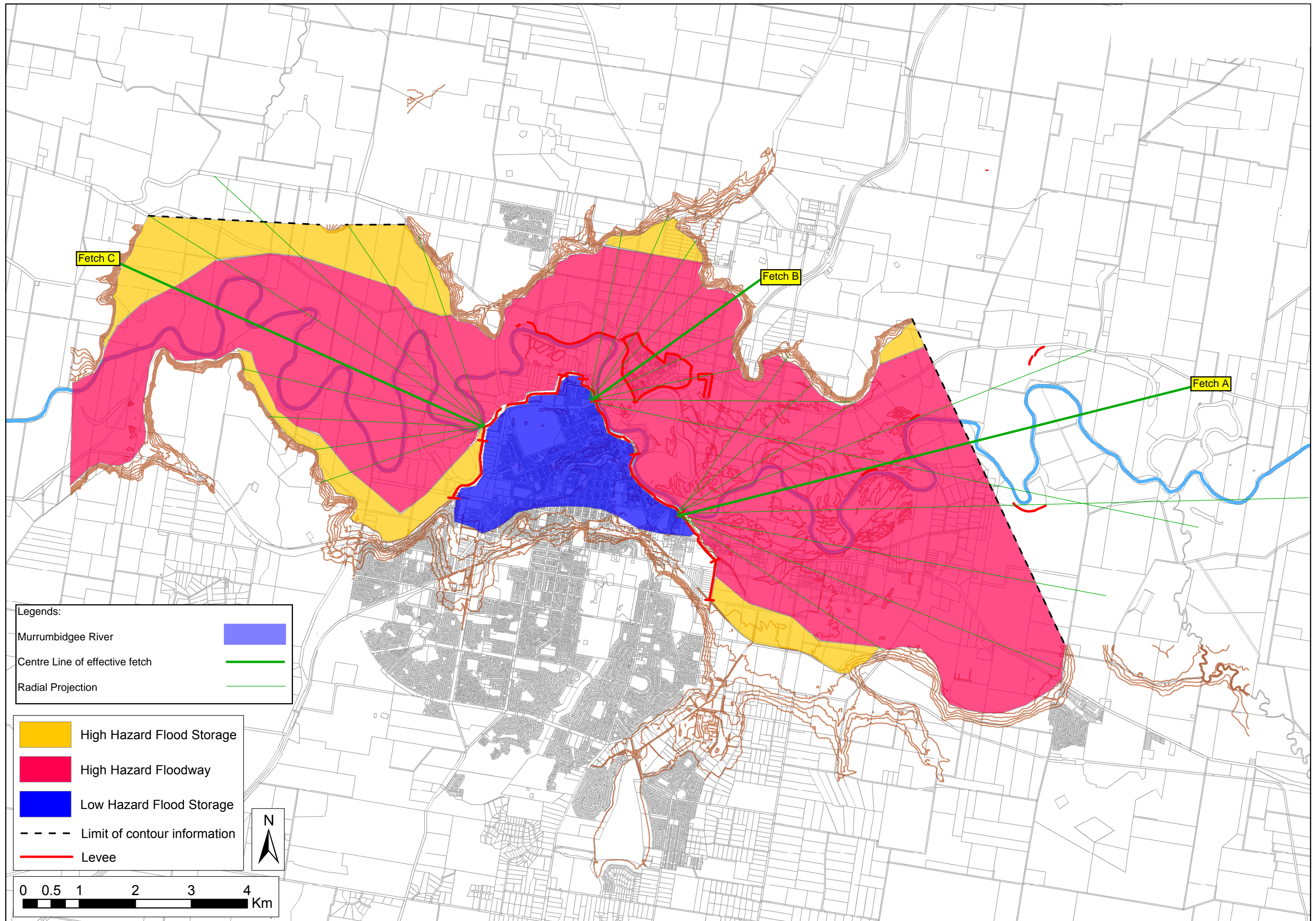


Figure 2 - Main Levee 100yr ARI Flood Inundation Map and Fetch Distances

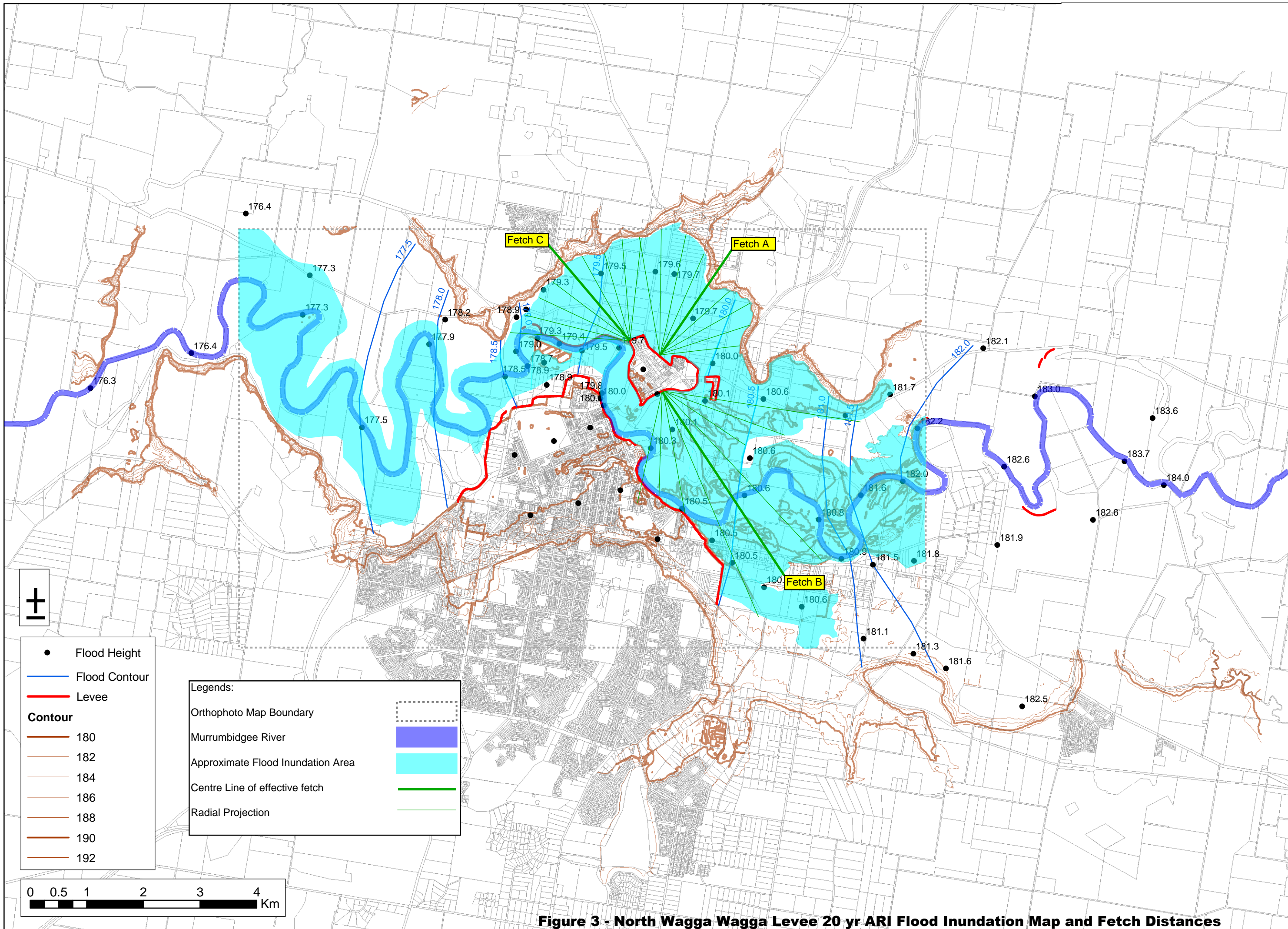
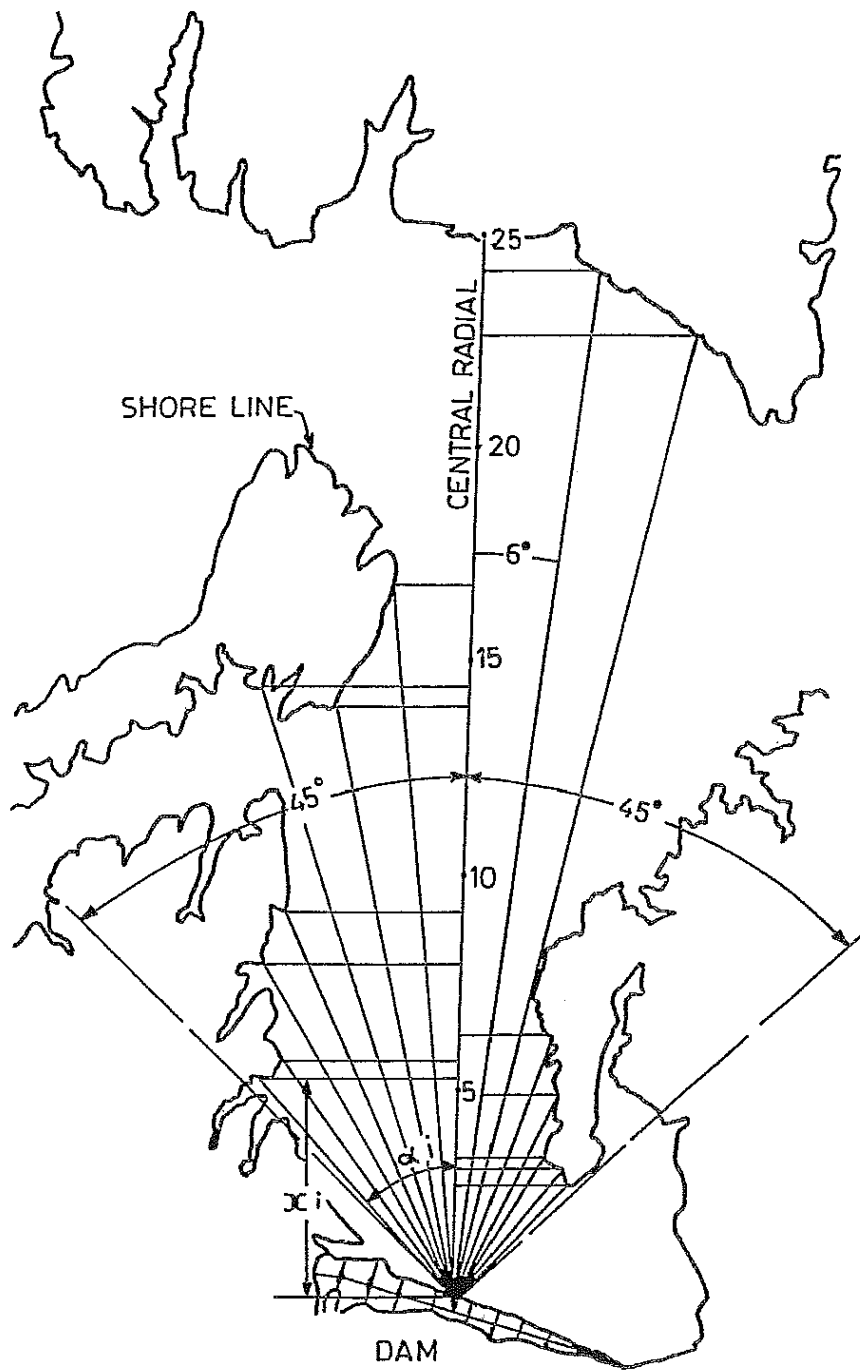


Figure 3 - North Wagga Wagga Levee 20 yr ARI Flood Inundation Map and Fetch Distances



Method for calculating effective fetch (adapted from Saville et.al. 1962)

Figure 4 - Method for calculating effective fetch

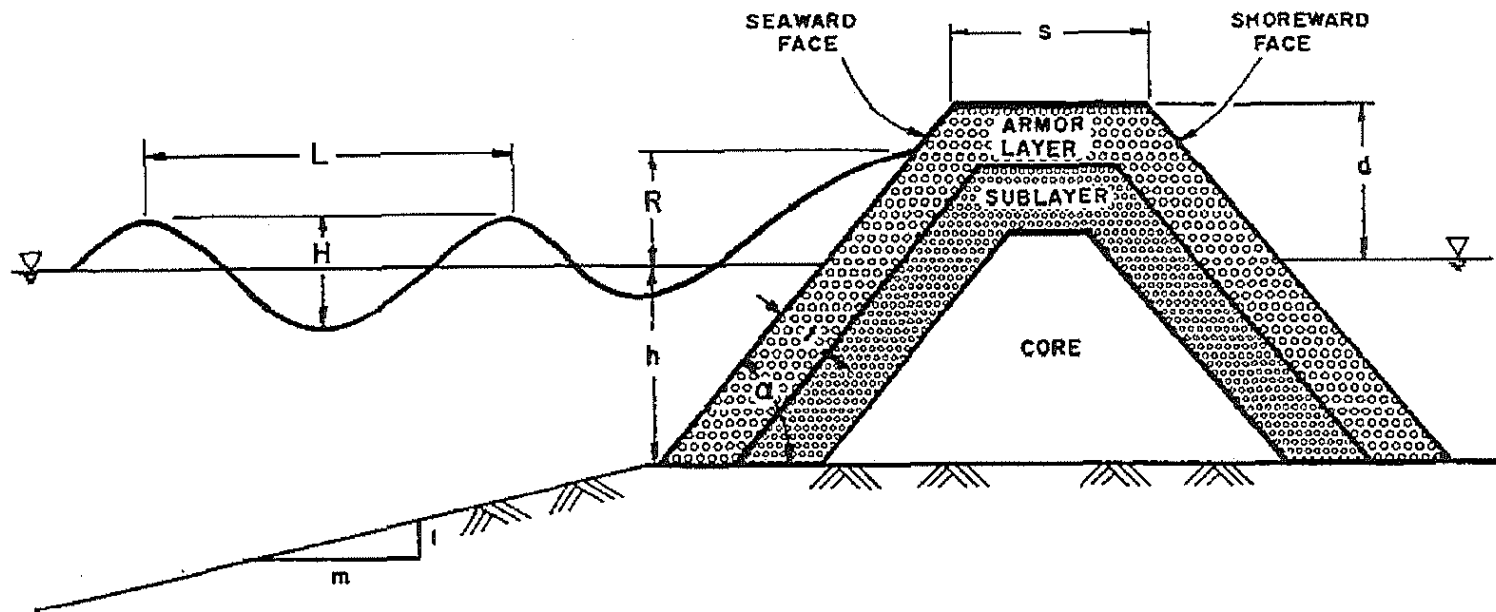


Figure 5 - Wave Parameters

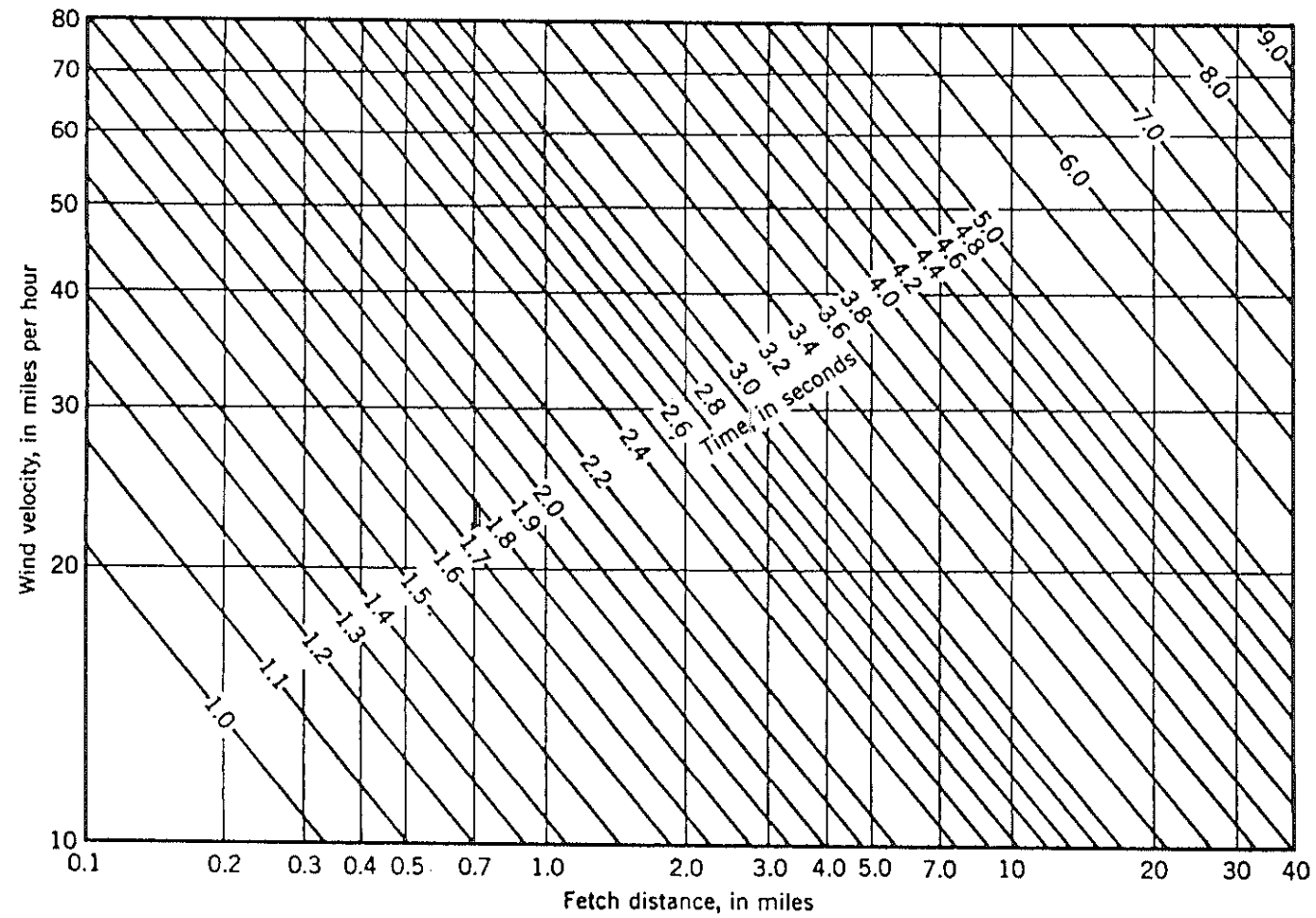
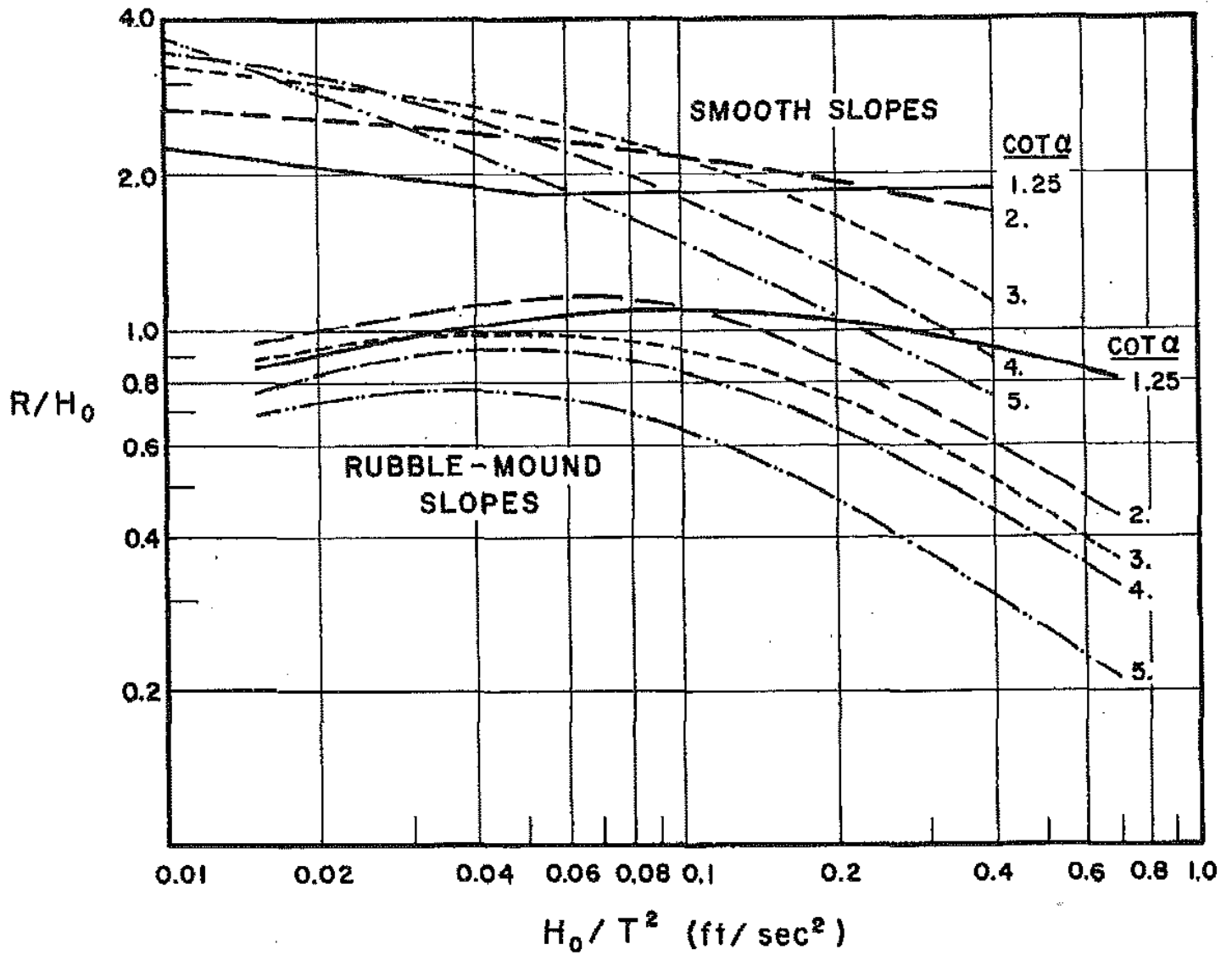


Figure 6 - Wave Periods



Wave run-up on smooth slopes and rubble-mound slopes ($h/H_0 > 3$) (CERC, 1966).

Figure 7 - Wave Run-up