

DRIVERS ROUTE KNOWLEDGE DIAGRAMS

PORT KEMBLA LINE

LYSAGHTS

CRINGILA

PORT KEMBLA NORTH

PORT KEMBLA

Effective Date: June 2026

Version: 4.23

Explanatory Notes:

Navigate to your area of interest via the station index or by using links created in Adobe bookmarks.

This document is approved for **route knowledge only**.

Do not use these diagrams for any safety related purpose without validating the information against a controlled source or in the field.

Information in these diagrams is uncontrolled.

Please report any updates to
gjs.support@transport.nsw.gov.au

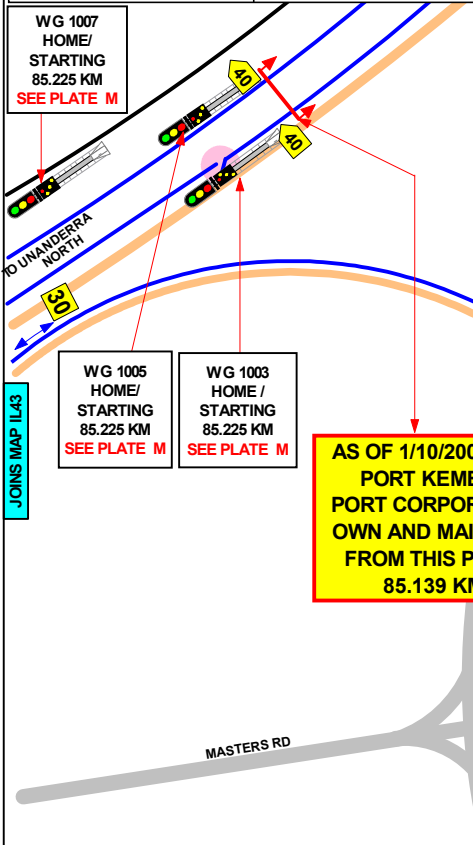


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Location: CM Record No.D2015/565

EXTENT OF YARD LIMITS	
YARD WORKING IS IN OPERATION IN THE AREA BOUNDED BY THE FOLLOWING SIGNALS AND LOCATIONS IN THE PORT KEMBLA NORTH AREA:	
FROM	TO
DOWN HOME MAIN SIGNAL No. WG 81 D	MAIN LINE PORT KEMBLA TERMINUS
MAIN LINE PORT KEMBLA TERMINUS	UP AUTOMATIC SIGNAL No. WG 84 U
UP HOME SIGNALS No. WG 1002 & WG 1004	MAIN LINE PORT KEMBLA TERMINUS
MAIN LINE PORT KEMBLA TERMINUS	UP HOME SIGNAL No. WG 1001 UNANDERRA NORTH



SECTION : CONISTON TO LYSAGHTS
 MAP SET : CONISTON TO PORT KEMBLA
 UPDATED TO : 01 October 2025

INFORMATION

CONTROLLED FROM : WOLLONGONG
 RADIO AREA CODE : 011 / 12

SPECIAL POINTS OF INTEREST

GENERAL ARRANGEMENTS

ALL TRAINS MOVEMENTS WITHIN THE CONISTON AND UNANDERRA NORTH AREA ARE CONTROLLED BY THE SIGNALLER AT WOLLONGONG SIGNALBOX, AND ARE WORKED UNDER YARD WORKING CONDITIONS

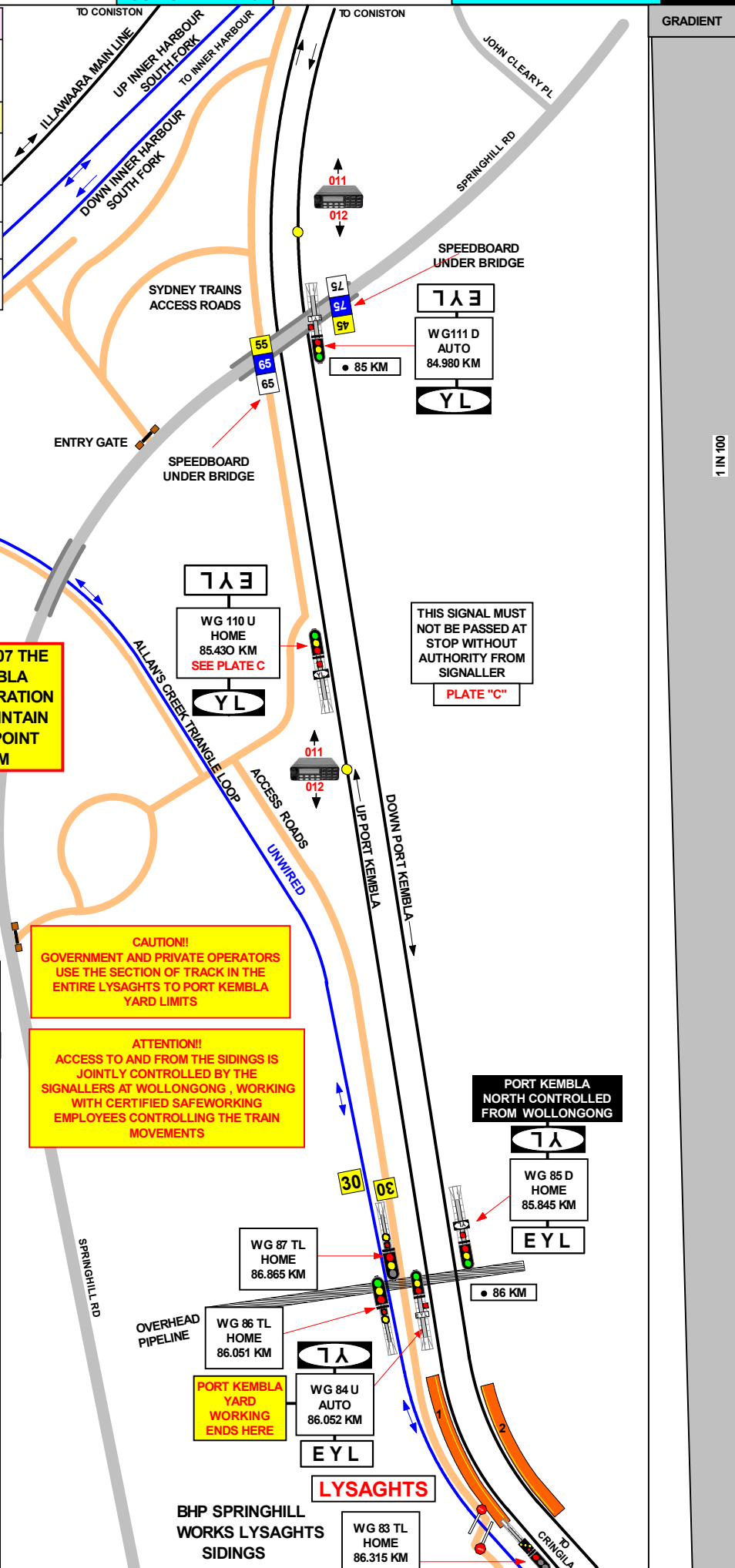
UNANDERRA NORTH IS THE JUNCTION OF THE TRIANGLE LOOP AND THE DOWN AND UP SOUTH FORKS WITH THE DOWN AND UP MAIN LINES
 HALF PILOT STAFF

HALF PILOT STAFFS ARE PROVIDED ON SIGNAL No. WG 1003 FOR THE WOLLONGONG - UNANDERRA SECTION SEE MAP IL44.

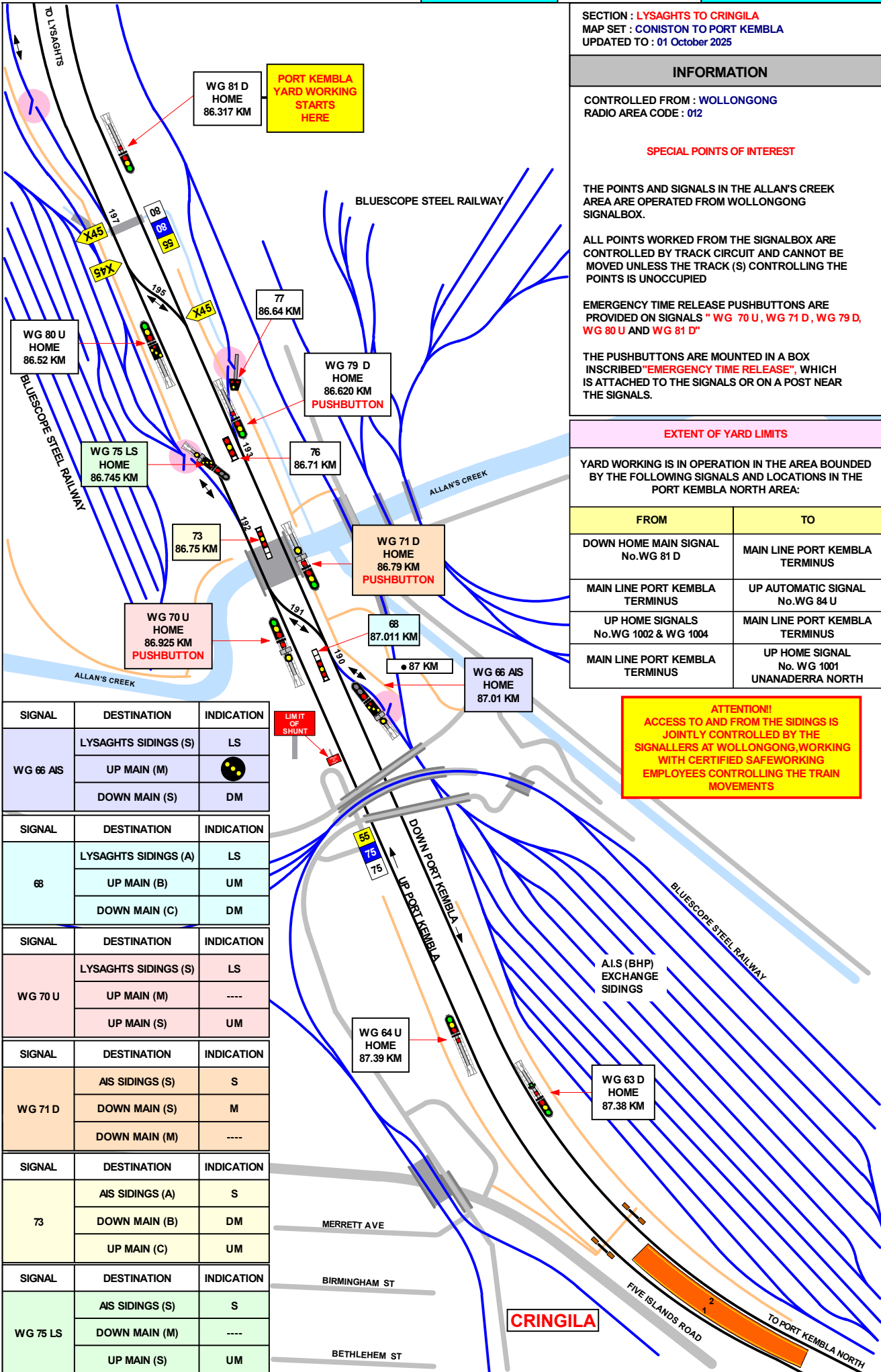
THE HALF PILOT STAFFS FOR THE SECTION WOLLONGONG - UNANDERRA ARE INSCRIBED "UNANDERRA - UNANDERRA NORTH".

EMERGENCY TIME RELEASE PUSHBUTTONS ARE PROVIDED ON SIGNALS "WG 114 U"

THE PUSHBUTTONS ARE MOUNTED IN A BOX INSCRIBED "EMERGENCY TIME RELEASE", WHICH IS ATTACHED TO THE SIGNALS OR ON A POST NEAR THE SIGNALS.



GRADIENT



INFORMATION

CONTROLLED FROM : WOLLONGONG
 RADIO AREA CODE : 012

SPECIAL POINTS OF INTEREST

THE POINTS AND SIGNALS IN THE ALLAN'S CREEK AREA ARE OPERATED FROM WOLLONGONG SIGNALBOX.

ALL POINTS WORKED FROM THE SIGNALBOX ARE CONTROLLED BY TRACK CIRCUIT AND CANNOT BE MOVED UNLESS THE TRACK (S) CONTROLLING THE POINTS IS UNOCCUPIED

EMERGENCY TIME RELEASE PUSHBUTTONS ARE PROVIDED ON SIGNALS " WG 70 U, WG 71 D, WG 79 D, WG 80 U AND WG 81 D"

THE PUSHBUTTONS ARE MOUNTED IN A BOX INSCRIBED "EMERGENCY TIME RELEASE", WHICH IS ATTACHED TO THE SIGNALS OR ON A POST NEAR THE SIGNALS.

EXTENT OF YARD LIMITS

YARD WORKING IS IN OPERATION IN THE AREA BOUNDED BY THE FOLLOWING SIGNALS AND LOCATIONS IN THE PORT KEMBLA NORTH AREA:

FROM	TO
DOWN HOME MAIN SIGNAL No.WG 81 D	MAIN LINE PORT KEMBLA TERMINUS
MAIN LINE PORT KEMBLA TERMINUS	UP AUTOMATIC SIGNAL No.WG 84 U
UP HOME SIGNALS No.WG 1002 & WG 1004	MAIN LINE PORT KEMBLA TERMINUS
MAIN LINE PORT KEMBLA TERMINUS	UP HOME SIGNAL No. WG 1001 UNANADERRA NORTH

ATTENTION!
 ACCESS TO AND FROM THE SIDINGS IS JOINTLY CONTROLLED BY THE SIGNALLERS AT WOLLONGONG, WORKING WITH CERTIFIED SAFEWORING EMPLOYEES CONTROLLING THE TRAIN MOVEMENTS

SIGNAL	DESTINATION	INDICATION
WG 66 AIS	LYSAGHTS SIDINGS (S)	LS
	UP MAIN (M)	●●●
	DOWN MAIN (S)	DM
68	LYSAGHTS SIDINGS (A)	LS
	UP MAIN (B)	UM
	DOWN MAIN (C)	DM
WG 70 U	LYSAGHTS SIDINGS (S)	LS
	UP MAIN (M)	---
	UP MAIN (S)	UM
WG 71 D	AIS SIDINGS (S)	S
	DOWN MAIN (S)	M
	DOWN MAIN (M)	---
73	AIS SIDINGS (A)	S
	DOWN MAIN (B)	DM
	UP MAIN (C)	UM
WG 75 LS	AIS SIDINGS (S)	S
	DOWN MAIN (M)	---
	UP MAIN (S)	UM

1 IN 100

SIGNAL	DESTINATION	INDICATION
WG 45 D	NORTH SIDINGS (S)	NS
	C.R.M. SIDINGS (S)	RM
	SOUTH SIDINGS (S)	SS
	MAIN LINE (M)	----
	REFUGE LOOP (M)	
	REFUGE LOOP (S)	RL

SIGNAL	DESTINATION	INDICATION
WG 49 D	MAIN LINE (M)	----
	MAIN LINE (S)	SHUNT AHEAD
	MAIN LINE (S)	CLOSE UP

SIGNAL	DESTINATION	INDICATION
WG 51 D	DOWN MAIN (M)	----
	DOWN MAIN (S)	CLOSE UP

SECTION : PORT KEMBLA NORTH TO PORT KEMBLA
 MAP SET : CONISTON TO PORT KEMBLA
 UPDATED TO : 3 June 2026

INFORMATION

CONTROLLED FROM : WOLLONGONG
 RADIO AREA CODE : 012

SPECIAL POINTS OF INTEREST

THE POINTS AND SIGNALS IN THE PORT KEMBLA NORTH AREA ARE OPERATED FROM WOLLONGONG SIGNALBOX. A LOCAL PANEL HAS BEEN PROVIDED IN AN OFFICE (ROOM 28) AT THE PORT KEMBLA NORTH BUILDING TO ALLOW THE INTERLOCKING TO BE OPERATED LOCALLY

ALL POINTS WORKED FROM THE SIGNALBOX ARE CONTROLLED BY TRACK CIRCUIT AND CANNOT BE MOVED UNLESS THE TRACK (S) CONTROLLING THE POINTS IS UNOCCUPIED

EMERGENCY TIME RELEASE PUSHBUTTONS ARE PROVIDED ON SIGNAL "WG 27, WG 44 AND WG 49 D,"

THE PUSHBUTTONS ARE MOUNTED IN A BOX INSCRIBED "EMERGENCY TIME RELEASE", WHICH IS ATTACHED TO THE SIGNALS OR ON A POST NEAR THE SIGNALS.

ADMITTING TRAINS TO PLATFORM ROADS

WHEN TRAINS ARE ADMITTED TO PLATFORM ROADS ON AUTHORITY OF SHUNTING SIGNALS, DRIVERS **MUST** OBEY THE SPEED INDICATOR BOARDS INSCRIBED "SHUNT SIGNAL SPEED 10 KM/H, EXPECT PLATFORM TO BE OCCUPIED". THESE BOARDS ARE AFFIXED TO DOWN HOME SIGNAL No. WG 7.

UNDER THESE CONDITIONS, THE DRIVER NEED NOT BE VERBALLY WARNED IF THE PLATFORM ROAD IS OCCUPIED.

REFUGE LOOP

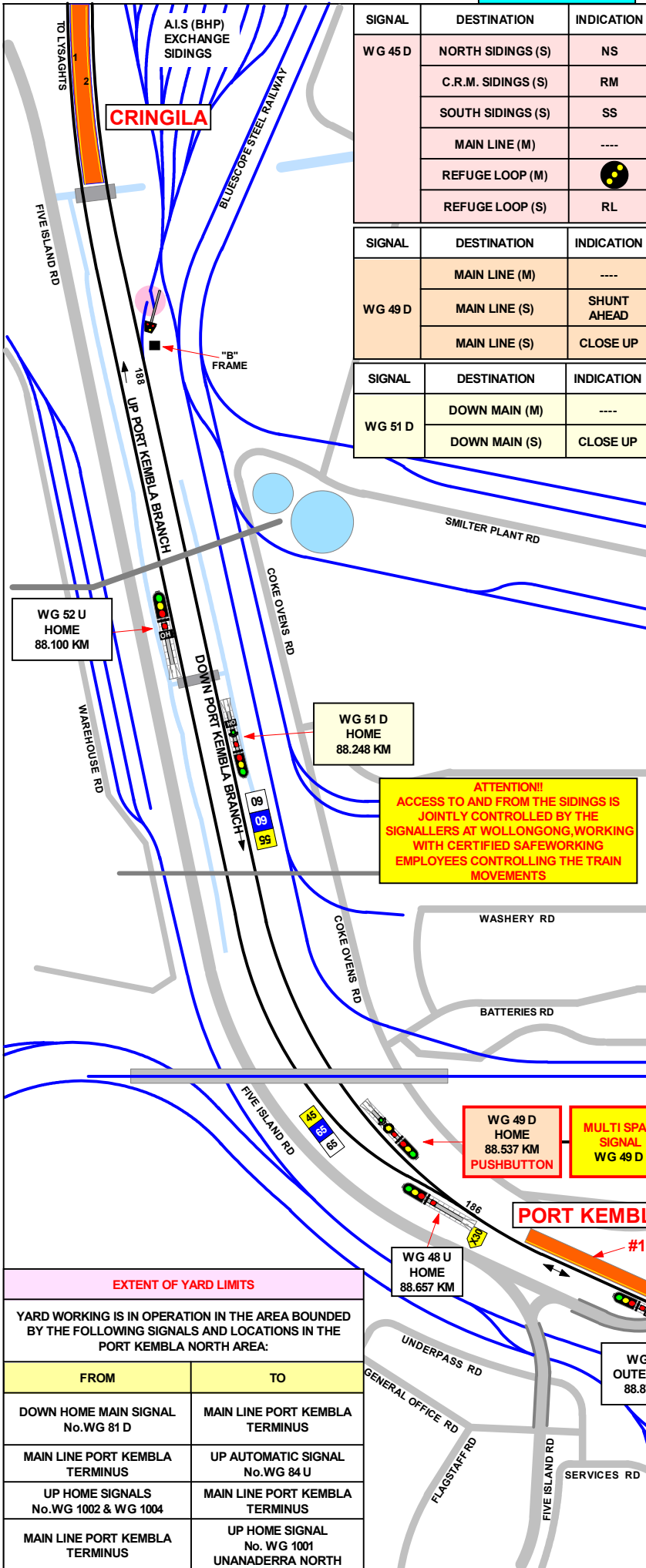
A REFUGE LOOP IS SITUATED ON THE UP SIDE OF THE MAIN LINE BETWEEN PORT KEMBLA AND PORT KEMBLA NORTH. THE REFUGE MAY BE USED FOR THE THROUGH MOVEMENTS OF TRAINS, OR FOR THE STORAGE OF PASSENGER TRAINS AS SHOWN IN THE WORKING TIMETABLE.

#1 POINTS CLEARED SIGNS WILL REMAIN BAGGED

ATTENTION!!
 ACCESS TO AND FROM THE SIDINGS IS JOINTLY CONTROLLED BY THE SIGNALLERS AT WOLLONGONG, WORKING WITH CERTIFIED SAFEFORWARDING EMPLOYEES CONTROLLING THE TRAIN MOVEMENTS

THE NORTH AND SOUTH SIDINGS AT PORT KEMBLA ARE OPERATED AS A MULTI-USER TERMINAL

AS FROM 5/11/2007 THE PORT KEMBLA PORT CORPORATION OWN AND MAINTAIN FROM THESE POINTS 88.909 KM AND 88.940 KM



GRADIENT
E
1 IN 118
1 IN 178
1 IN 94
1 IN 88
1 IN 125
1 IN 108
1 IN 157
1 IN 108

EXTENT OF YARD LIMITS	
YARD WORKING IS IN OPERATION IN THE AREA BOUNDED BY THE FOLLOWING SIGNALS AND LOCATIONS IN THE PORT KEMBLA NORTH AREA:	
FROM	TO
DOWN HOME MAIN SIGNAL No. WG 81 D	MAIN LINE PORT KEMBLA TERMINUS
MAIN LINE PORT KEMBLA TERMINUS	UP AUTOMATIC SIGNAL No. WG 84 U
UP HOME SIGNALS No. WG 1002 & WG 1004	MAIN LINE PORT KEMBLA TERMINUS
MAIN LINE PORT KEMBLA TERMINUS	UP HOME SIGNAL No. WG 1001 UNANADERRA NORTH

THE NORTH AND SOUTH SIDINGS AT PORT KEMBLA ARE OPERATED AS A MULTI-USER TERMINAL

SECTION : PORT KEMBLA NORTH TO PORT KEMBLA
 MAP SET : CONISTON TO PORT KEMBLA
 UPDATED TO : 10 June 2026

GRADIENT

INFORMATION

CONTROLLED FROM : WOLLONGONG
 RADIO AREA CODE : 012

SPECIAL POINTS OF INTEREST

THE POINTS AND SIGNALS IN THE PORT KEMBLA NORTH AREA ARE OPERATED FROM WOLLONGONG SIGNAL BOX. A LOCAL PANEL HAS BEEN PROVIDED IN AN OFFICE (ROOM 28) AT THE PORT KEMBLA NORTH BUILDING TO ALLOW THE INTERLOCKING TO BE OPERATED LOCALLY

ALL POINTS WORKED FROM THE SIGNALBOX ARE CONTROLLED BY TRACK CIRCUIT AND CANNOT BE MOVED UNLESS THE TRACK (S) CONTROLLING THE POINTS IS UNOCCUPIED

EMERGENCY TIME RELEASE PUSHBUTTONS ARE PROVIDED ON SIGNALS "WG 27, WG 44 AND WG 49 D"

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UNDER THESE CONDITIONS, THE DRIVER NEED NOT BE VERBALLY WARNED IF THE PLATFORM ROAD IS OCCUPIED .

REFUGE LOOP
 A REFUGE LOOP IS SITUATED ON THE UP SIDE OF THE MAIN LINE BETWEEN PORT KEMBLA AND PORT KEMBLA NORTH. THE REFUGE MAY BE USED FOR THE THROUGH MOVEMENTS OF TRAINS, OR FOR THE STORAGE OF PASSENGER TRAINS AS SHOWN IN THE WORKING TIMETABLE.

SIGNAL	DESTINATION	INDICATION
7	ENGINE ROAD (A)	E
	LOOP SIDINGS (B)	L
	PLATFORM ROAD (C)	P

SIGNAL	DESTINATION	INDICATION
10	MAIN LINE (A)	ML
	BALLOON LOOP (B)	BL
	SOUTH SIDINGS (C)	SS

SIGNAL	DESTINATION	INDICATION
13	BALLOON LOOP (A)	BL
	JETTY LINE (B)	JL
	MAIN LINE (C)	ML
14	REFUGE LOOP (A)	RL
	MAIN LINE (B)	ML + GREEN

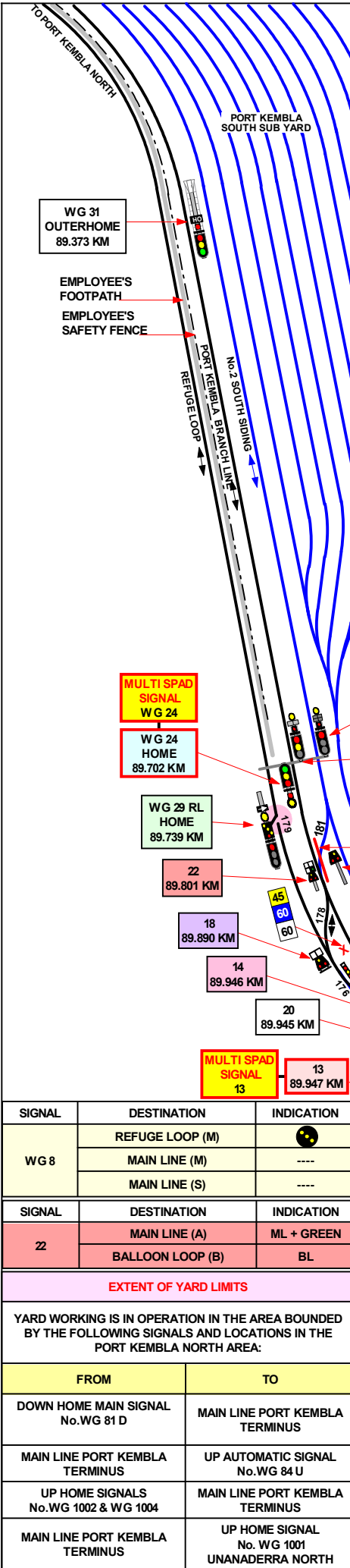
SIGNAL	DESTINATION	INDICATION
18	REFUGE LOOP (A)	RL
	MAIN LINE (B)	ML

SIGNAL	DESTINATION	INDICATION
WG 24	MAIN LINE	M
	MAIN LINE	SHUNT AHEAD

SIGNAL	DESTINATION	INDICATION
WG 25 BL	BALLOON LOOP (A)	BL
	MAIN LINE (B)	ML
	REFUGE LOOP (C)	RL

SIGNAL	DESTINATION	INDICATION
WG 27 D	MAIN LINE (M)	----
	MAIN LINE (S)	ML
	REFUGE LOOP (S)	RL

SIGNAL	DESTINATION	INDICATION
WG 29 RL	MAIN LINE (M)	●
	REFUGE LOOP (S)	----



AS OF 5/11/2007 THE PORT KEMBLA PORT CORPORATION OWN AND MAINTAIN FROM THIS POINT 89.740 KM AND 90.014 KM

SHUNT SIGNAL SPEED 10 KPH EXPECT PLATFORM TO BE OCCUPIED

ATTENTION!! ACCESS TO AND FROM THE SIDINGS IS JOINTLY CONTROLLED BY THE SIGNALLERS AT WOLLONGONG, WORKING WITH CERTIFIED SAFEWORKING EMPLOYEES CONTROLLING THE TRAIN MOVEMENTS

SIGNAL	DESTINATION	INDICATION
WG 8	REFUGE LOOP (M)	●
	MAIN LINE (M)	----
	MAIN LINE (S)	----

SIGNAL	DESTINATION	INDICATION
22	MAIN LINE (A)	ML + GREEN
	BALLOON LOOP (B)	BL

EXTENT OF YARD LIMITS

YARD WORKING IS IN OPERATION IN THE AREA BOUNDED BY THE FOLLOWING SIGNALS AND LOCATIONS IN THE PORT KEMBLA NORTH AREA:

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UP HOME SIGNALS No. WG 1002 & WG 1004	MAIN LINE PORT KEMBLA TERMINUS
MAIN LINE PORT KEMBLA TERMINUS	UP HOME SIGNAL No. WG 1001 UNANADERRA NORTH

SIGNAL	DESTINATION	INDICATION
15	MAIN LINE (A)	ML
	NETWORK SIDINGS (B)	S

1 IN 124

1 IN 108

L

1 IN 300

1 IN 132