



## AERONAUTICAL SERVICES

### NZANR – Part 71 – Mandatory Broadcast Zones (MBZ)

NOTES: (1) Upper/Lower Limit is expressed in FT (AMSL) or FL (Flight Level) (2) Lower Limit = SFC for all MBZ unless specified							
Identifier	Name	Upper Limit		Lower Limit		Remarks	Working Hours
NZB169	WHANGAREI MBZ					[Frequency:] 118.6 MHz (maximum reporting interval of 5 minutes) "Whangarei traffic". [Transponder:] Mandatory 1500 ft - 6500 ft AMSL	H24
NZB169_A	WHANGAREI MBZ	6500	FT	0	FT	[Frequency:] 118.6 MHz (maximum reporting interval of 5 minutes) "Whangarei traffic". [Transponder:] Mandatory 1500 ft - 6500 ft AMSL	H24
NZB169_B	WHANGAREI MBZ	6500	FT	2500	FT	[Frequency:] 118.6 MHz (maximum reporting interval of 5 minutes) "Whangarei traffic". [Transponder:] Mandatory 2500 ft - 6500 ft AMSL	H24
NZB169_C	WHANGAREI MBZ	6500	FT	4500	FT	[Frequency:] 118.6 MHz (maximum reporting interval of 5 minutes) "Whangarei traffic". [Transponder:] Mandatory 4500 ft - 6500 ft AMSL	H24
NZB173	WHENUAPAI MBZ	2500	FT	0	FT	[Frequency:] 134.5 MHz (maximum reporting interval of 5 minutes) "Whenuapai traffic". [Transponder:] Mandatory. [Airspace Association:] All that airspace of the Whenuapai CTR/D NZA153 except for airspace contained in VFR transit lanes NZT158 Te Henga, West Whenuapai and NZT159 Whangaparaoa, East Whenuapai.	OTHER
NZB174	GREAT BARRIER MBZ	4500	FT	0	FT	[Frequency:] 124.4 MHz (maximum reporting interval of 10 minutes) "Barrier traffic".	H24
NZB175	AUCKLAND CITY MBZ			0	FT	[Upper Limit:] LL CA [Frequency:] 120.4 MHz (maximum reporting interval of 10 minutes) "City traffic". [Transponder:] Mandatory 1500 ft - 2500 ft AMSL	H24
NZB176	KAITAIA MBZ					[Frequency:] 119.1 MHz (maximum reporting interval of 5 minutes) "Kaitaia traffic". [Transponder:] Mandatory 1500 ft - 6500 ft AMSL	H24
NZB176_A	KAITAIA MBZ	6500	FT	0	FT	[Frequency:] 119.1 MHz (maximum reporting interval of 5 minutes) "Kaitaia traffic".	H24

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						[Transponder:] Mandatory 1500 ft - 6500 ft AMSL	
NZB176_B	KAITAIA MBZ	6500	FT	0	FT	[Frequency:] 119.1 MHz (maximum reporting interval of 5 minutes) "Kaitaia traffic". [Transponder:] Mandatory 3000 ft - 6500 ft AMSL	H24
NZB177	KERIKERI MBZ					[Frequency:] 119.4 MHz (maximum reporting interval of 5 minutes) "Kerikeri traffic". [Transponder:] Mandatory 2000 ft - 6500 ft AMSL	H24
NZB177_A	KERIKERI MBZ	6500	FT	0	FT	[Frequency:] 119.4 MHz (maximum reporting interval of 5 minutes) "Kerikeri traffic". [Transponder:] Mandatory 2000 ft - 6500 ft AMSL	H24
NZB177_B	KERIKERI MBZ	6500	FT	3000	FT	[Frequency:] 119.4 MHz (maximum reporting interval of 5 minutes) "Kerikeri traffic". [Transponder:] Mandatory 3000 ft - 6500 ft AMSL	H24
NZB178	PARAKAI MBZ	2500	FT	0	FT	[Frequency:] 123.5 MHz (maximum reporting interval of 5 minutes) "Parakai traffic".	H24
NZB180	KERIKERI SOUTH MBZ					[Frequency:] 119.4 MHz (maximum reporting interval of 5 minutes) "Kerikeri traffic". [Transponder:] Mandatory 3500 ft - 9500 ft AMSL	H24
NZB180_A	KERIKERI SOUTH MBZ	9500	FT	3500	FT	[Frequency:] 119.4 MHz (maximum reporting interval of 5 minutes) "Kerikeri traffic". [Transponder:] Mandatory 3500 ft - 9500 ft AMSL	H24
NZB180_B	KERIKERI SOUTH MBZ	9500	FT	6500	FT	[Frequency:] 119.4 MHz (maximum reporting interval of 5 minutes) "Kerikeri traffic". [Transponder:] Mandatory 6500 ft - 9500 ft AMSL	H24
NZB267	PLENTY MBZ			0	FT	[Upper Limit:] LL CA [Frequency:] 123.65 MHz (maximum reporting interval of 15 minutes) "Plenty traffic".	H24
NZB268	PLENTY EAST MBZ			1500	FT	[Upper Limit:] LL CA [Frequency:] 123.65 MHz (maximum reporting interval of 15 minutes) "Plenty East traffic".	H24

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Identifier	Name	Upper Limit		Lower Limit		Remarks	Working Hours
NZB269	MERCER MBZ	4500	FT	0	FT	[Frequency:] 119.2 MHz (maximum reporting interval of 10 minutes) "Mercer traffic".	HJ
NZB273	MATAMATA MBZ	4500	FT	0	FT	[Upper Limit:] 4500 ft except when advised by NOTAM.  [Frequency:] 122.25 MHz (maximum reporting interval of 15 minutes) "Matamata traffic".	H24
NZB274	ARDMORE MBZ			0	FT	[Upper Limit:] LL CA  [Frequency:] 118.1 MHz (maximum reporting interval of 5 minutes) "Ardmore traffic".	H24
NZB276	WHITE ISLAND MBZ	4500	FT	0	FT	[Frequency:] 120.9 MHz (maximum reporting interval of 15 minutes) "White Island traffic".	H24
NZB277	WHAKATANE MBZ	3000	FT	0	FT	[Frequency:] 118.6 MHz (maximum reporting interval of 5 minutes) "Whakatane traffic".  [Transponder:] Mandatory 1500 ft - 3000 ft AMSL	H24
NZB371	NATIONAL PARK MBZ			4500	FT	[Upper Limit:] Lower limit of controlled airspace within NZB371 lateral limits (9500 ft and 11,500 ft AMSL as applicable).  [Frequency:] 119.6 MHz (maximum reporting interval of 10 minutes) "Park traffic".	H24
NZB375	WHANGANUI MBZ	3500	FT	0	FT	[Frequency:] 120.2 MHz (maximum reporting interval of 10 minutes) "Whanganui traffic".  [Transponder:] Mandatory 1500 ft - 3500 ft AMSL	H24
NZB472	TARAWERA MBZ			0	FT	[Upper Limit:] LL CA.  [Frequency:] 120.9 MHz (maximum reporting interval of 15 minutes) "Tarawera traffic".	H24
NZB475	WAIROA MBZ	3000	FT	0	FT	[Frequency:] 119.1 MHz (maximum reporting interval of 5 minutes) "Wairoa traffic".	H24
NZB477	TAUPO MBZ					[Frequency:] 118.4 MHz (maximum reporting interval of 10 minutes) "Taupo traffic".  [Transponder:] Mandatory 2500 ft and 3000 ft - 6500 ft AMSL	H24
NZB477_A	TAUPO MBZ	6500	FT	0	FT	[Frequency:] 118.4 MHz (maximum reporting interval of 10 minutes) "Taupo traffic".  [Transponder:] Mandatory 2500 ft - 6500 ft AMSL	H24
NZB477_B	TAUPO MBZ	6500	FT	3000	FT	[Frequency:] 118.4 MHz (maximum reporting interval of 10 minutes) "Taupo traffic".	H24

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Identifier	Name	Upper Limit		Lower Limit		Remarks	Working Hours
						[Transponder:] Mandatory 3000 ft - 6500 ft AMSL	
NZB680	PARAPARAUMU MBZ			0	FT	[Upper Limit:] Lower limit of controlled airspace within NZB680 lateral limits.  [Frequency:] 118.3 MHz (maximum reporting interval of 10 minutes) "Paraparaumu traffic".  [Transponder:] Mandatory 1500 ft AMSL - LL CA	H24
NZB683	MOTUEKA MBZ	9500	FT	0	FT	[Frequency:] 127.3 MHz (maximum reporting interval of 15 minutes) "Motueka traffic".	H24
NZB773	WESTPORT MBZ	3000	FT	0	FT	[Frequency:] 119.1 MHz (maximum reporting interval of 5 minutes) "Westport traffic".  [Transponder:] Mandatory 1500 ft - 3000 ft AMSL	H24
NZB775	RYANS CREEK MBZ	3000	FT	0	FT	[Frequency:] 130.2 MHz (maximum reporting interval of 5 minutes) "Ryans Creek traffic".	H24
NZB776	STEWART ISLAND MBZ	3000	FT	0	FT	[Frequency:] 130.2 MHz (maximum reporting interval of 15 minutes) "Stewart Island traffic".	H24
NZB777	HOKITIKA MBZ	7500	FT	0	FT	[Frequency:] 119.8 MHz (maximum reporting interval of 5 minutes) "Hokitika traffic".  [Transponder:] Mandatory 1500 ft - 7500 ft AMSL	H24
NZB778	HOKITIKA EAST MBZ					[Frequency:] 119.8 MHz (maximum reporting interval of 10 minutes) "Hokitika traffic".  [Transponder:] Mandatory 7500 ft - 13500 ft AMSL	H24
NZB778_A	HOKITIKA EAST MBZ	13500	FT	4500	FT	[Frequency:] 119.8 MHz (maximum reporting interval of 10 minutes) "Hokitika traffic".  [Transponder:] Mandatory 4500 ft - 13500 ft AMSL	H24
NZB778_B	HOKITIKA EAST MBZ	13500	FT	7500	FT	[Frequency:] 119.8 MHz (maximum reporting interval of 10 minutes) "Hokitika traffic".  [Transponder:] Mandatory 7500 ft - 13500 ft AMSL	H24
NZB871	KAIKOURA MBZ	3500	FT	0	FT	[Frequency:] 124.9 MHz (maximum reporting interval of 10 minutes) "Kaikoura traffic".	H24
NZB875	WEST MELTON MBZ	1500	FT	0	FT	[Frequency:] 119.2 MHz (maximum reporting interval of 5 minutes) "West Melton traffic".	H24
NZB876	RANGIORA MBZ			0	FT	[Upper Limit:] Lower limit of Controlled Airspace.	H24

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Identifier	Name	Upper Limit		Lower Limit		Remarks	Working Hours
						[Frequency:] 120.2 MHz (maximum reporting interval of 5 minutes) "Rangiora traffic".	
NZB971	TIMARU MBZ	9500	FT	0	FT	[Frequency:] 119.5 MHz (maximum reporting interval of 5 minutes) "Timaru traffic". [Transponder:] Mandatory 1600 ft - 9500 ft AMSL	H24
NZB972	TIMARU NORTH MBZ	9500	FT	4500	FT	[Frequency:] 119.5 MHz (maximum reporting interval of 10 minutes) "Timaru traffic". [Transponder:] Mandatory 4500 ft - 9500 ft AMSL	H24
NZB973	TIMARU EAST MBZ	9500	FT	2500	FT	[Frequency:] 119.5 MHz (maximum reporting interval of 10 minutes) "Timaru traffic". [Transponder:] Mandatory 2500 ft - 9500 ft AMSL	H24
NZB974	TIMARU SOUTH MBZ	9500	FT	4500	FT	[Frequency:] 119.5 MHz (maximum reporting interval of 10 minutes) "Timaru traffic". [Transponder:] Mandatory 4500 ft - 9500 ft AMSL	H24
NZB978	SOUTHERN ALPS MBZ	12500	FT	0	FT	[Frequency:] 118.6 MHz (maximum reporting interval of 5 minutes) "Alps traffic". High density VFR operations	H24

\*\*\* SEE AIRSPACE BOUNDARY DESCRIPTIONS BELOW \*\*\*



## AERONAUTICAL SERVICES

### NZANR – Part 71 – MBZ boundaries

Boundary line types CIR (Circle), CWA (Clockwise Arc), CCA (Counterclockwise Arc), GRC (Great Circle), RHL (Rhumbline), FNT (geoborder i.e. a line following the road , etc)									
Identifier	Sequence	Remarks	Latitude	Longitude	Type	Arc latitude	Arc longitude	Arc radius	
NZB169_A	1	Taurikura	354937.40S	1743140.30E	GRC				
NZB169_A	2	Marsden Point - a line following the mean high watermark from	355021.70S	1743002.10E	FNT				
NZB169_A	3	Ruakaka River Mouth	355406.00S	1742736.00E	GRC				
NZB169_A	4	Ruarangi	355633.50S	1741731.10E	GRC				
NZB169_A	5		355514.80S	1741621.80E	CWA	354616.80S	1742142.90E	10	NM
NZB169_A	6		354804.30S	1740937.40E	GRC				
NZB169_A	7	Intersection Whatitiri and Weke Roads	354705.10S	1740942.00E	GRC				
NZB169_A	8	Maunu	354420.10S	1741350.80E	GRC				
NZB169_A	9	Hurupaki, 1149 ft	354058.00S	1741654.30E	GRC				
NZB169_A	10	Paranui Falls	354138.50S	1742033.30E	GRC				
NZB169_A	11	Franklin Road and Owhiwa Road Intersection	354444.90S	1742515.80E	GRC				
NZB169_B	1	Taurikura	354937.40S	1743140.30E	GRC				
NZB169_B	2		355729.40S	1743109.50E	CCA	364712.45S	1743752.45E	50	NM
NZB169_B	3		360027.90S	1741606.20E	GRC				
NZB169_B	4	Intersection Central and Taipuha Station Roads	360018.30S	1741550.40E	GRC				
NZB169_B	5	Intersection Ararua and Bull Roads	355745.50S	1741137.20E	GRC				
NZB169_B	6	Intersection Pikiwahine and Hillcrest Roads	355618.20S	1740918.90E	GRC				
NZB169_B	7	Omana	355403.60S	1740534.50E	GRC				
NZB169_B	8	Tangihua, 2057 ft	355123.60S	1740527.20E	GRC				
NZB169_B	9	Waiotama	354848.20S	1740526.20E	GRC				
NZB169_B	10	Intersection Whatitiri and Weke Roads	354705.10S	1740942.00E	GRC				

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Identifier	Sequence	Remarks	Latitude	Longitude	Type	Arc latitude	Arc longitude	Arc radius	
NZB169_B	11		354804.30S	1740937.40E	CCA	354616.80S	1742142.90E	10	NM
NZB169_B	12		355514.80S	1741621.80E	GRC				
NZB169_B	13	Ruarangi	355633.50S	1741731.10E	GRC				
NZB169_B	14	Ruakaka River mouth - a line following the mean high watermark from	355406.00S	1742736.00E	FNT				
NZB169_B	15	Marsden Point	355021.70S	1743002.10E	GRC				
NZB169_C	1		355729.40S	1743109.50E	GRC				
NZB169_C	2	Waipu Cove	360146.70S	1743029.90E	GRC				
NZB169_C	3	Mareretu	360224.50S	1741701.00E	GRC				
NZB169_C	4		360027.90S	1741606.20E	CWA	364712.45S	1743752.45E	50	NM
NZB173	1		363823.10S	1744603.30E	CWA	364712.45S	1743752.45E	11	NM
NZB173	2		364502.20S	1745119.30E	GRC				
NZB173	3		364602.50S	1745003.70E	GRC				
NZB173	4		365618.30S	1743309.70E	GRC				
NZB173	5		365718.10S	1742841.50E	CWA	364712.45S	1743752.45E	12.5	NM
NZB173	6		365127.60S	1742312.00E	GRC				
NZB173	7		364819.80S	1742537.70E	GRC				
NZB173	8		364138.90S	1743638.80E	GRC				
NZB173	9		364143.00S	1743700.00E	GRC				
NZB173	10		364146.50S	1743808.00E	GRC				
NZB173	11		364128.20S	1743912.00E	GRC				
NZB173	12		363952.00S	1744151.20E	GRC				
NZB173	13	Okura River Mouth VRP	363938.60S	1744437.70E	GRC				
NZB174	1	Needles Point	360129.50S	1752426.70E	GRC				
NZB174	2	Rakitu Island	360723.30S	1753049.00E	GRC				
NZB174	3	Cuvier Island	362615.10S	1754625.80E	GRC				

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Identifier	Sequence	Remarks	Latitude	Longitude	Type	Arc latitude	Arc longitude	Arc radius	
NZB174	4	Cape Colville	362810.30S	1752040.70E	GRC				
NZB174	5	Kaiiti Point	362848.50S	1751941.00E	GRC				
NZB174	6		364530.50S	1751403.10E	CCA	370016.70S	1744849.10E	25	NM
NZB174	7		363636.60S	1745857.30E	CCA	364712.45S	1743752.45E	20	NM
NZB174	8		362905.00S	1744827.30E	GRC				
NZB174	9	Kawau Island	362608.10S	1745204.40E	GRC				
NZB174	10	Miners Head	360400.80S	1752031.80E	GRC				
NZB175	1	following the mean high water mark from	364749.00S	1744708.90E	FNT				
NZB175	2	North Head	364944.70S	1744846.70E	GRC				
NZB175	3	St Heliers	365035.50S	1745150.70E	GRC				
NZB175	4	Musick Point	365047.50S	1745406.70E	GRC				
NZB175	5	Motukaraka Island	365240.10S	1745844.90E	GRC				
NZB175	6		365532.80S	1745618.20E	GRC				
NZB175	7	Cascades Road Botany Creek bridge	365450.70S	1745417.10E	GRC				
NZB175	8		365552.80S	1744952.70E	GRC				
NZB175	9		365636.10S	1744921.00E	GRC				
NZB175	10		365626.30S	1744750.40E	GRC				
NZB175	11		365631.60S	1744730.70E	GRC				
NZB175	12		365708.20S	1744518.70E	GRC				
NZB175	13		365748.80S	1743935.40E	GRC				
NZB175	14		365856.70S	1743813.50E	GRC				
NZB175	15	Taumatarea Point	365845.20S	1743755.70E	GRC				
NZB175	16	Dam	365744.80S	1743653.40E	GRC				
NZB175	17		365618.30S	1743309.70E	GRC				
NZB176_A	1	Peria	350602.70S	1732908.80E	GRC				
NZB176_A	2	Te Rore	351038.50S	1732233.90E	GRC				



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Identifier	Sequence	Remarks	Latitude	Longitude	Type	Arc latitude	Arc longitude	Arc radius	
NZB176_A	3	Kaitaia	350639.30S	1731530.50E	GRC				
NZB176_A	4		345245.40S	1725645.60E	GRC				
NZB176_A	5		344628.40S	1730455.60E	GRC				
NZB176_A	6	Church Road and State Highway 10 intersection	350208.00S	1731847.70E	GRC				
NZB176_A	7	Trig 1011, 548 ft	350405.10S	1732005.90E	GRC				
NZB176_B	1	Fern Flat	350653.20S	1733216.90E	GRC				
NZB176_B	2	Maungataniwha, 1860 ft	351002.90S	1733123.70E	GRC				
NZB176_B	3	Te Rore	351038.50S	1732233.90E	GRC				
NZB176_B	4	Peria	350602.70S	1732908.80E	GRC				
NZB177_A	1	Matauri Bay	350205.60S	1735448.20E	GRC				
NZB177_A	2	Waiaua Bay	350335.90S	1735552.40E	GRC				
NZB177_A	3	Takou Bay	350617.50S	1735611.40E	GRC				
NZB177_A	4		352052.30S	1740013.60E	GRC				
NZB177_A	5	Intersection Wahangae and McIntyre Roads	352116.60S	1740319.00E	GRC				
NZB177_A	6	Spot height 958 ft	352125.90S	1740357.50E	GRC				
NZB177_A	7	Hukahuka Pa	352134.20S	1740501.60E	GRC				
NZB177_A	8	Waiomio	352450.30S	1740453.20E	GRC				
NZB177_A	9	Lake Rotokerurur	352621.70S	1740513.70E	GRC				
NZB177_A	10		352649.10S	1740500.50E	CCA	370016.30S	1744849.40E	100	NM
NZB177_A	11		352918.50S	1735734.10E	GRC				
NZB177_A	12	Waikaramu Road and State Highway 1 intersection	352036.80S	1735418.60E	GRC				
NZB177_A	13	Lake Waingaro	351540.00S	1735250.00E	GRC				
NZB177_A	14	Orotere	350741.50S	1734924.40E	GRC				
NZB177_A	15	Kaeo	350600.30S	1734647.60E	GRC				
NZB177_A	16	Otoroa	350427.70S	1735111.00E	GRC				
NZB177_B	1	Matauri Bay	350205.60S	1735448.20E	GRC				

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Identifier	Sequence	Remarks	Latitude	Longitude	Type	Arc latitude	Arc longitude	Arc radius	
NZB177_B	2	Otoroa	350427.70S	1735111.00E	GRC				
NZB177_B	3	Kaeo	350600.30S	1734647.60E	GRC				
NZB177_B	4	Tauranga Bay township	350024.60S	1734706.00E	GRC				
NZB177_B	5	East Bay	345957.70S	1734938.70E	GRC				
NZB177_B	6	Te Ngaere	350118.30S	1735207.20E	GRC				
NZB178	1	Kaipara Coast Highway	363755.60S	1742925.85E	GRC				
NZB178	2	(Intersection of Inland and Boathouse Roads), a line following Inland Road from	363841.30S	1742904.40E	FNT				
NZB178	3		364021.10S	1742903.10E	GRC				
NZB178	4		364206.00S	1742548.80E	CWA	363906.00S	1742600.00E	3	NM
NZB180_A	1		352649.10S	1740500.50E	GRC				
NZB180_A	2	Spot height 624 ft	352737.40S	1740452.80E	GRC				
NZB180_A	3		353229.30S	1740803.00E	CWA	351544.92S	1735440.34E	20	NM
NZB180_A	4		353520.40S	1735927.80E	GRC				
NZB180_A	5	Takorokoro, 473 ft	353503.20S	1735920.80E	GRC				
NZB180_A	6		352918.50S	1735734.10E	CWA	370016.30S	1744849.40E	100	NM
NZB180_B	1		353229.30S	1740803.00E	GRC				
NZB180_B	2	Matarau	353928.50S	1741315.80E	GRC				
NZB180_B	3		354110.50S	1741415.30E	CWA	351544.92S	1735440.34E	30	NM
NZB180_B	4		354505.00S	1740226.80E	GRC				
NZB180_B	5		353520.40S	1735927.80E	CCA	351544.92S	1735440.34E	20	NM
NZB267	1		374753.79S	1763618.92E	GRC				
NZB267	2		375423.00S	1763032.00E	GRC				
NZB267	3		375014.03S	1761206.92E	GRC				
NZB267	4		374315.61S	1761155.94E	GRC				
NZB267	5		374258.40S	1761414.70E	GRC				

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Identifier	Sequence	Remarks	Latitude	Longitude	Type	Arc latitude	Arc longitude	Arc radius	
NZB267	6		374251.44S	1761709.60E	GRC				
NZB267	7		374305.20S	1762025.60E	GRC				
NZB267	8		374322.90S	1762459.20E	GRC				
NZB267	9		374338.28S	1762828.66E	GRC				
NZB268	1		373301.95S	1762808.86E	GRC				
NZB268	2		373945.10S	1763335.80E	GRC				
NZB268	3		374343.22S	1764008.82E	GRC				
NZB268	4		374753.79S	1763618.92E	GRC				
NZB268	5		374338.28S	1762828.66E	GRC				
NZB268	6		374322.90S	1762459.20E	GRC				
NZB268	7		373720.60S	1762524.90E	GRC				
NZB268	8		373532.13S	1762251.64E	GRC				
NZB269	1	Mangatawhiri	371306.70S	1750656.10E	GRC				
NZB269	2	cableway road end	371636.50S	1751003.10E	GRC				
NZB269	3	Island Block Road and Coalfields Road intersection	371842.10S	1751002.50E	GRC				
NZB269	4	following the Whangamarino River from	372006.70S	1750707.70E	FNT				
NZB269	5	cableway road bridge	371820.80S	1750512.60E	GRC				
NZB269	6	following Mangatangi Road from	371327.40S	1750220.80E	FNT				
NZB273	1		374404.01S	1754431.00E	CIR	374404.01S	1754431.00E	3	NM
NZB274	1	Clevedon VRP - a line following Monument Road from	365929.20S	1750214.70E	FNT				
NZB274	2	Intersection of Monument and Tourist Roads	370053.60S	1750250.50E	GRC				
NZB274	3	intersection of HT lines and Sky High Road	370330.00S	1750401.20E	GRC				
NZB274	4	spot height 900 ft	370333.50S	1750035.70E	GRC				
NZB274	5	Karaka	370437.50S	1745541.70E	GRC				
NZB274	6		370341.10S	1745520.10E	GRC				
NZB274	7	Kuaka Drive and Arion Road roundabout	370235.50S	1745548.40E	GRC				

## NZANR – Part 71 – MBZ boundaries

Boundary line types CIR (Circle), CWA (Clockwise Arc), CCA (Counterclockwise Arc), GRC (Great Circle), RHL (Rhumbline), FNT (geoborder i.e. a line following the road, etc)									
Identifier	Sequence	Remarks	Latitude	Longitude	Type	Arc latitude	Arc longitude	Arc radius	
NZB274	8	Alfriston School - a line following Alfriston and Brookby Roads from	370056.80S	1745628.90E	FNT				
NZB274	9		370002.80S	1745744.20E	GRC				
NZB274	10	intersection of Brookby and Fitzpatrick Roads	365950.20S	1745840.20E	GRC				
NZB276	1		373247.40S	1771356.70E	GRC				
NZB276	2	Motuhora Island	375118.90S	1765827.60E	GRC				
NZB276	3	Moutoki Island	374953.50S	1765301.00E	GRC				
NZB276	4		374808.50S	1764723.10E	GRC				
NZB276	5	Motunau Island	373945.10S	1763335.80E	GRC				
NZB276	6		372823.50S	1770920.70E	CWA	373110.90S	1771044.50E	3	NM
NZB277	1	Motuhora Island	375118.90S	1765827.60E	GRC				
NZB277	2		375516.40S	1765632.90E	GRC				
NZB277	3		375605.00S	1765621.70E	GRC				
NZB277	4	Paroa	375644.60S	1765603.80E	GRC				
NZB277	5		375540.50S	1765018.30E	GRC				
NZB277	6	Matata	375303.70S	1764442.60E	GRC				
NZB277	7		374808.50S	1764723.10E	GRC				
NZB277	8	Moutoki Island	374953.50S	1765301.00E	GRC				
NZB371	1	following the western HT lines from HT lines and Poutu Canal intersection	390541.70S	1754814.70E	FNT				
NZB371	2	north-eastern corner of NZM300	391743.70S	1754353.70E	GRC				
NZB371	3		391719.70S	1754216.70E	GRC				
NZB371	4		391748.70S	1754015.70E	GRC				
NZB371	5		391733.70S	1753850.70E	GRC				
NZB371	6		391858.70S	1753715.70E	GRC				
NZB371	7		391953.70S	1753840.70E	GRC				

## NZANR – Part 71 – MBZ boundaries

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Identifier	Sequence	Remarks	Latitude	Longitude	Type	Arc latitude	Arc longitude	Arc radius	
NZB371	8		392153.70S	1753955.70E	GRC				
NZB371	9		392153.70S	1754050.70E	GRC				
NZB371	10		392313.70S	1754115.70E	GRC				
NZB371	11	Mt Pouapoto; 2854 ft following the HT line from	392559.70S	1754026.70E	FNT				
NZB371	12	following SH49 from	392755.70S	1753932.70E	FNT				
NZB371	13	Tangiwai a line following the railway from	392801.70S	1753520.70E	FNT				
NZB371	14	Ohakune timber mill	392444.70S	1752600.60E	GRC				
NZB371	15	Makotuku River Road eastern end	392015.70S	1752527.60E	GRC				
NZB371	16	following SH47 from	391037.70S	1752409.60E	FNT				
NZB371	17	Lake Rotoaira Road and SH47 intersection; line following Lake Rotoaira Road from	390239.70S	1753630.70E	FNT				
NZB371	18	Lake Rotoaira Road and Poutu Canal intersection ; line following the Poutu Canal from	390457.70S	1754654.70E	FNT				
NZB375	1		395837.20S	1751623.50E	CCA	401234.58S	1752331.05E	15	NM
NZB375	2		400355.10S	1750732.40E	GRC				
NZB375	3	Waiinu Beach	395205.70S	1744430.60E	GRC				
NZB375	4	Waiototara - a line following SH 3 from	394820.90S	1744403.50E	FNT				
NZB375	5	Intersection of SH3 and Bushy park Road	395013.90S	1745458.40E	GRC				
NZB375	6	Intersection SH4 and Makarikiriki Road	395213.20S	1750650.20E	GRC				
NZB375	7	Fordell VRP	395737.70S	1751215.60E	GRC				
NZB472	1		380341.70S	1763730.20E	CWA	380629.36S	1761850.38E	15	NM
NZB472	2		382110.50S	1762246.30E	GRC				
NZB472	3	Waiotapu, following SH5 from	382022.60S	1762148.70E	FNT				
NZB472	4		381409.20S	1761800.00E	GRC				

## NZANR – Part 71 – MBZ boundaries

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Identifier	Sequence	Remarks	Latitude	Longitude	Type	Arc latitude	Arc longitude	Arc radius	
NZB472	5		381258.50S	1761754.70E	GRC				
NZB472	6		380617.90S	1762433.40E	GRC				
NZB472	7		380511.30S	1762733.10E	GRC				
NZB475	1		390339.40S	1772621.70E	GRC				
NZB475	2		391204.90S	1773035.00E	GRC				
NZB475	3		391310.90S	1772318.00E	GRC				
NZB475	4		390408.30S	1772309.50E	GRC				
NZB477_A	1	Aratiatia Dam	383701.70S	1760811.40E	GRC				
NZB477_A	2	Rakanui Road and Centennial Drive intersection	383957.20S	1760703.20E	GRC				
NZB477_A	3	Broadlands Road and HT intersection	384052.40S	1760721.80E	GRC				
NZB477_A	4	Hill, 1830 ft	384212.10S	1760749.70E	GRC				
NZB477_A	5	Sandfly Hill	384408.60S	1760738.70E	GRC				
NZB477_A	6		384651.00S	1760719.60E	GRC				
NZB477_A	7	Five Mile Gully	384723.70S	1760715.70E	GRC				
NZB477_A	8		385059.70S	1760755.70E	GRC				
NZB477_A	9	Hatepe	385108.70S	1760041.70E	GRC				
NZB477_A	10	Motutaiko Island	385113.70S	1755633.70E	GRC				
NZB477_A	11	Whakaipo Bay	384117.60S	1755753.70E	GRC				
NZB477_A	12	Wairakei	383735.60S	1760619.70E	GRC				
NZB477_B	1		383317.20S	1760938.70E	GRC				
NZB477_B	2	Aratiatia Dam	383701.70S	1760811.40E	GRC				
NZB477_B	3	Wairakei	383735.60S	1760619.70E	GRC				
NZB477_B	4	Whakaipo Bay	384117.60S	1755753.70E	GRC				
NZB477_B	5	Motutaiko Island	385113.70S	1755633.70E	GRC				
NZB477_B	6	Hatepe	385108.70S	1760041.70E	GRC				
NZB477_B	7		385059.70S	1760755.70E	GRC				

## NZANR – Part 71 – MBZ boundaries

Boundary line types CIR (Circle), CWA (Clockwise Arc), CCA (Counterclockwise Arc), GRC (Great Circle), RHL (Rhumbline), FNT (geoborder i.e. a line following the road, etc)									
Identifier	Sequence	Remarks	Latitude	Longitude	Type	Arc latitude	Arc longitude	Arc radius	
NZB477_B	8	Five Mile Gully	384723.70S	1760715.70E	GRC				
NZB477_B	9		384651.00S	1760719.60E	GRC				
NZB477_B	10		385306.40S	1761518.20E	CWA	384435.60S	1760427.40E	12	NM
NZB680	1	Otaki Beach	404422.30S	1750658.70E	GRC				
NZB680	2	Museum	405337.80S	1750142.60E	GRC				
NZB680	3	Substation	405528.10S	1750048.60E	GRC				
NZB680	4		405655.50S	1750017.00E	GRC				
NZB680	5	McKays Crossing ; A line following the railway line from	405813.10S	1745855.60E	FNT				
NZB680	6		410147.30S	1745358.10E	GRC				
NZB680	7		410141.80S	1745311.60E	GRC				
NZB680	8		404759.60S	1745126.20E	GRC				
NZB680	9		403928.60S	1750517.70E	GRC				
NZB683	1		410031.90S	1730240.10E	GRC				
NZB683	2		410222.90S	1730305.40E	GRC				
NZB683	3		410352.40S	1730337.00E	GRC				
NZB683	4		410750.40S	1730458.40E	GRC				
NZB683	5		410937.60S	1730500.40E	GRC				
NZB683	6		411021.20S	1730000.00E	CWA	410724.00S	1725919.00E	3	NM
NZB683	7		410528.30S	1725615.80E	GRC				
NZB683	8		410059.40S	1730116.50E	GRC				
NZB773	1		413702.90S	1715124.40E	GRC				
NZB773	2	Westport town	414522.40S	1713552.80E	GRC				
NZB773	3		415020.90S	1712311.40E	GRC				
NZB773	4		414428.90S	1712047.40E	GRC				
NZB773	5		413145.90S	1714407.40E	GRC				
NZB775	1	Bench Island	465428.00S	1681421.10E	GRC				

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Identifier	Sequence	Remarks	Latitude	Longitude	Type	Arc latitude	Arc longitude	Arc radius	
NZB775	2	Big Glory Bay	465924.70S	1680551.80E	GRC				
NZB775	3	Freshwater River	465358.40S	1675801.50E	GRC				
NZB775	4	Lee Bay	465146.30S	1680723.70E	GRC				
NZB775	5	Edwards Island	465009.90S	1681303.60E	GRC				
NZB776	1	Edwards Island VRP	465009.90S	1681303.60E	GRC				
NZB776	2	Lee Bay VRP	465146.30S	1680723.70E	GRC				
NZB776	3	Freshwater River VRP	465358.40S	1675801.50E	GRC				
NZB776	4	Big Glory Bay VRP	465924.70S	1680551.80E	GRC				
NZB776	5	Bench Island VRP	465428.00S	1681421.10E	GRC				
NZB776	6	East Cape VRP	470054.80S	1681343.20E	GRC				
NZB776	7	Breaksea VRP	470706.30S	1681224.90E	GRC				
NZB776	8	South Cape VRP	471724.70S	1673214.70E	GRC				
NZB776	9	South West Cape VRP	471658.90S	1672757.30E	GRC				
NZB776	10	Pohowaitai Island VRP	471320.90S	1671930.60E	GRC				
NZB776	11	Codfish VRP	464538.80S	1673518.40E	GRC				
NZB776	12	Rugged Islands VRP	464209.70S	1674254.30E	GRC				
NZB776	13	Bishop and Clerks Islands	464027.70S	1674820.10E	GRC				
NZB776	14	Black Rock Poinr	464059.80S	1675208.40E	GRC				
NZB776	15	White Rock Point	464200.90S	1675527.50E	GRC				
NZB776	16	Saddle Point	464317.80S	1675834.80E	GRC				
NZB776	17	Gull Rock Point	464759.60S	1680158.20E	GRC				
NZB777	1	Dobson	422707.90S	1711835.50E	GRC				
NZB777	2		423316.80S	1711613.70E	GRC				
NZB777	3		423806.50S	1711642.40E	GRC				
NZB777	4	Dillmanstown	423914.70S	1711154.60E	GRC				
NZB777	5	Goldsborough	424033.30S	1710719.10E	GRC				



## NZANR – Part 71 – MBZ boundaries

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Identifier	Sequence	Remarks	Latitude	Longitude	Type	Arc latitude	Arc longitude	Arc radius	
NZB777	6	Intersection SH6 and Woodstock Road	424922.50S	1705408.70E	GRC				
NZB777	7	Ross	425348.60S	1704853.50E	GRC				
NZB777	8		424400.10S	1703907.50E	GRC				
NZB777	9		422529.10S	1711146.50E	GRC				
NZB777	10	Lake Ryan	422534.10S	1711224.90E	GRC				
NZB778_A	1	Te Kinga railbridge	423605.90S	1713022.80E	GRC				
NZB778_A	2	Mount French, 4282 ft	424040.70S	1712039.30E	GRC				
NZB778_A	3	Lake Kaniere Weir	424753.00S	1710815.90E	GRC				
NZB778_A	4	Mount Misery, 3032 ft	425729.30S	1705902.10E	GRC				
NZB778_A	5	Ross	425348.60S	1704853.50E	GRC				
NZB778_A	6	Intersection SH6 and Woodstock Road	424922.50S	1705408.70E	GRC				
NZB778_A	7	Goldsborough	424033.30S	1710719.10E	GRC				
NZB778_A	8	Dillmanstown	423914.70S	1711154.60E	GRC				
NZB778_A	9		423806.50S	1711642.40E	GRC				
NZB778_A	10		423316.80S	1711613.70E	GRC				
NZB778_A	11	Dobson	422707.90S	1711835.50E	GRC				
NZB778_A	12		423434.10S	1712838.60E	GRC				
NZB778_B	1		424011.20S	1713830.10E	GRC				
NZB778_B	2		425434.90S	1712434.30E	CCA	433014.76S	1723052.69E	60	NM
NZB778_B	3		425957.70S	1711942.90E	GRC				
NZB778_B	4	Mt Misery, 3032 ft	425729.30S	1705902.10E	GRC				
NZB778_B	5	Lake Kaniere Weir	424753.00S	1710815.90E	GRC				
NZB778_B	6	Mt French, 4282 ft	424040.70S	1712039.30E	GRC				
NZB778_B	7	Te Kinga railbridge	423605.90S	1713022.80E	GRC				
NZB871	1		424454.00S	1734200.50E	GRC				
NZB871	2	Conway Rivermouth	423653.90S	1732812.50E	GRC				

## NZANR – Part 71 – MBZ boundaries

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Identifier	Sequence	Remarks	Latitude	Longitude	Type	Arc latitude	Arc longitude	Arc radius	
NZB871	3	Hapuku	421953.90S	1734341.50E	GRC				
NZB871	4		422953.90S	1735700.50E	GRC				
NZB875	1		432836.00S	1722348.40E	CIR	432836.00S	1722348.40E	1.5	NM
NZB876	1		431724.00S	1723230.00E	CIR	431724.00S	1723230.00E	1.5	NM
NZB971	1	Following the mean high waterline	441356.30S	1712527.00E	FNT				
NZB971	2	(Dashing Rocks); a line joining	442232.90S	1711507.50E	GRC				
NZB971	3		442304.20S	1711529.20E	GRC				
NZB971	4	a line following the mean high waterline	442315.40S	1711609.10E	FNT				
NZB971	5	Mutu Mutu Point; a line joining	442555.80S	1711538.10E	GRC				
NZB971	6	a line following the Main South Railway	442613.60S	1711522.70E	FNT				
NZB971	7	a line following the Otaio River from Otaio River Mouth to	443249.70S	1711044.70E	FNT				
NZB971	8	(McAlwees Crossinf Road; a line joining	442934.80S	1705945.40E	GRC				
NZB971	9	Colliers Road	442933.40S	1705910.90E	GRC				
NZB971	10		441833.30S	1710444.00E	GRC				
NZB971	11	Pleasant Point	441539.80S	1710753.00E	GRC				
NZB971	12	Int Tiplady, Mckenzie, Coach and Winchester Roads	440733.60S	1711500.80E	GRC				
NZB971	13	Orari Racecourse	440736.40S	1711735.30E	GRC				
NZB972	1		440809.20S	1714606.60E	GRC				
NZB972	2		441400.50S	1713958.00E	GRC				
NZB972	3	Coldstream	440845.20S	1713122.80E	GRC				
NZB972	4		440116.80S	1713652.90E	CCA	433014.76S	1723052.69E	50	NM
NZB973	1		441400.50S	1713958.00E	GRC				
NZB973	2		443426.60S	1711810.90E	GRC				
NZB973	3	a line following the Main South Railway from Otaio River Mouth	443249.70S	1711044.70E	FNT				
NZB973	4	a line joining	442613.60S	1711522.70E	GRC				

## NZANR – Part 71 – MBZ boundaries

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Identifier	Sequence	Remarks	Latitude	Longitude	Type	Arc latitude	Arc longitude	Arc radius	
NZB973	5	a line following the mean high waterline from Mutu Mutu Point	442555.80S	1711538.10E	FNT				
NZB973	6		442315.40S	1711609.10E	GRC				
NZB973	7		442304.20S	1711529.20E	GRC				
NZB973	8	a line following the mean high waterline from Dashing Rocks	442232.90S	1711507.50E	FNT				
NZB973	9		441356.30S	1712527.00E	GRC				
NZB973	10	Coldstream	440845.20S	1713122.80E	GRC				
NZB974	1		443426.60S	1711810.90E	GRC				
NZB974	2	Wainono Lagoon	444218.50S	1710954.20E	GRC				
NZB974	3	Mt Studholme	443829.80S	1705438.70E	GRC				
NZB974	4	Colliers Road	442933.40S	1705910.90E	GRC				
NZB974	5	a line following the Otaio River	442934.80S	1705945.40E	FNT				
NZB974	6	Otaio River Mouth	443249.70S	1711044.70E	GRC				
NZB978	1	Mount Sibbald; 9222 ft	433307.00S	1703319.40E	GRC				
NZB978	2	Observation Hill; 5541 ft	433934.00S	1703445.40E	GRC				
NZB978	3	Tekapo ski field road	434930.00S	1703636.40E	GRC				
NZB978	4	Mt Hay; 3848 ft	435658.00S	1703357.30E	GRC				
NZB978	5	Hydro-electric canal	440401.00S	1702535.30E	GRC				
NZB978	6	SH8 bridge	440414.00S	1702134.30E	GRC				
NZB978	7	Ben Dhu; 5272 ft	440321.00S	1700548.30E	GRC				
NZB978	8	spot height; 6526 ft	440159.00S	1695145.30E	GRC				
NZB978	9	Mt. Ward; 8675 ft	435159.00S	1695004.30E	GRC				
NZB978	10	Fettes Peak; 8051 ft	434502.00S	1695211.30E	GRC				
NZB978	11	SH6 Karangarua River bridge	433429.00S	1694821.30E	GRC				
NZB978	12	Meyer Swamp	432654.00S	1694900.30E	GRC				
NZB978	13	Lake Lyttle	432514.00S	1695730.30E	GRC				
NZB978	14	end Waiho Flat Road	431944.00S	1700552.30E	GRC				

## NZANR – Part 71 – MBZ boundaries

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Identifier	Sequence	Remarks	Latitude	Longitude	Type	Arc latitude	Arc longitude	Arc radius	
NZB978	15	Alpine Lake	431654.00S	1700830.30E	GRC				
NZB978	16	North end Lake Mapourika	431734.00S	1701314.30E	GRC				
NZB978	17	Gunn Peak; 5752 ft	432032.00S	1702153.30E	GRC				
NZB978	18	Mount McLoughnan; 8497 ft	432604.00S	1702833.40E	GRC				
NZB978	19	Pukewhero Peak; 6581 ft	433032.00S	1703114.40E	GRC				

\*\*\* END OF AIRSPACE BOUNDARY DESCRIPTIONS \*\*\*