

# **AERONAUTICAL SERVICES**

# NZANR - Part 71 - General Aviation Areas (GAA)

			ı	NOTES: (1)	Upper/L	ower Limit is expressed in FT (AMSL) or FL (Flight Level)	
Identifier	Name	Upper	Limit	Lowe	er Limit	Remarks	Remarks to Working Hours
NZG152	MOIR HILL	4500	FT	3500	FT	[ATC Authority:] Auckland Approach [Frequency:] 124.3 MHz	[Active:] By ATC approval.
NZG153	WAITOKI	4500	FT	3500	FT	[ATC Authority:] Auckland Approach [Frequency:] 124.3 MHz	[Active:] By ATC approval.
NZG155	WOODHILL	3500	FT	2500	FT	[ATC Authority:] Auckland Approach [Frequency:] 124.3 MHz	[Active:] By ATC approval.
NZG156	HOBSONVILLE	3500	FT	2500	FT	[ATC Authority:] Auckland Approach [Frequency:] 124.3 MHz	[Active:] By ATC approval.
NZG157	NORTH SHORE	3500	FT	2500	FT	[ATC Authority:] Auckland Approach [Frequency:] 124.3 MHz	
NZG158	WHENUAPAI	3500	FT	2500	FT	[ATC Authority:] Auckland Approach [Frequency:] 124.3 MHz	[Active:] By ATC approval.
NZG250	TIRAU	6500	FT	4500	FT	[ATC Authority:] Bay Approach [Frequency:] 125.3 MHz	[Active:] By ATC approval
NZG251	ATIAMURI	5500	FT	4500	FT	[ATC Authority:] Bay Approach [Frequency:] 119.5 MHz	[Active:] By ATC approval.
NZG254	MATAMATA	6500	FT	4500	FT	[ATC Authority:] Bay Approach	[Active:] By notification to ATC.

			١	NOTES: (1)	Upper/L	ower Limit is expressed in FT (AMSL) or FL (Flight Lo	evel)
Identifier	Name	Uppe	r Limit	Lowe	er Limit	Remarks	Remarks to Working Hours
						[Frequency:] 125.3 MHz	
NZG256	MIHI	6500	FT	4500	FT	[ATC Authority:] Bay Approach [Frequency:] 119.5 MHz	[Active:] By ATC approval.
NZG257	OHAAKI	5500	FT	4500	FT	[ATC Authority:] Bay Approach [Frequency:] 119.5 MHz	[Active:] By ATC approval.
NZG258	ROTOMAHANA	6500	FT			[ATC Authority:] Bay Approach [Frequency:] 119.5 MHz [Lower Limit:] LL CA	[Active:] By ATC approval.
NZG259	TE PUKE	4500	FT			[ATC Authority:] Bay Approach [Frequency:] 119.5 MHz [Lower Limit:] LL CA	[Active:] By ATC approval.
NZG272	HUNTLY	4500	FT	2500	FT	[ATC Authority:] Bay Approach [Frequency:] 125.3 Hz	[Active:] By ATC approval.
NZG273	MIRANDA	5500	FT	4500	FT	[ATC Authority:] Auckland Approach [Frequency:] 124.3 MHz	[Active:] By ATC approval
NZG274	WAERENGA	5500	FT	4500	FT	[ATC Authority:] Auckland Approach [Frequency:] 124.3 MHz	[Active:] By ATC notification
NZG275	ARDMORE					[ATC Authority:] Auckland Approach [Frequency:] 124.3 MHz	
NZG275_A	ARDMORE	4500	FT	2500	FT	[ATC Authority:] Auckland Approach [Frequency:] 124.3 MHz	
NZG275_B	ARDMORE	3500	FT	2500	FT	[ATC Authority:] Auckland Approach [Frequency:] 124.3 MHz	

				NOTES: (1)	) Upper/L	ower Limit is expressed in FT (AMSL) or FL (Flight Level)	
Identifier	Name	Uppe	r Limit	Low	er Limit	Remarks	Remarks to Working Hours
NZG276	HUNUA	4500	FT	3500	FT	[ATC Authority:] Auckland Approach via Christchurch information [Frequency:] 118.5 MHz	[Active:] By ATC approval.
NZG351	EGMONT	9500	FT			[ATC Authority:] New Plymouth Approach [Frequency:] 124.7 MHz [Lower Limit:] LL CA	[Active:] Daylight hours by ATC approval.
NZG357	FEILDING	5500	FT			[ATC Authority:] Ohakea Approach [Frequency:] 125.1 MHz. [Lower limit:] Lower limit of controlled airspace within NZG 357 lateral limits (1500 ft, 2500 ft and 3500 ft AMSL as appropriate)	[Active:] By ATC approval.
NZG451	TAUPO	165	FL	6500	FT	[ATC Authority:] Bay Approach [Frequency:] 119.5 MHz or 125.3 MHz	[Active:] By ATC approval.
NZG452	ORMOND	1000	FT	0	FT	[Frequency:] 127.3 MHz	[ATC Authority:] Gisborne Tower
NZG453	MANGAKINO	7500	FT	6500	FT	[ATC Authority:] Bay Approach [Frequency:] 119.5 MHz	[Active:] By ATC approval.
NZG454	PUREORA	8500	FT	6500	FT	[ATC Authority:] Bay Approach. [Frequency:] 119.5 MHz	[Active:] By ATC approval.
NZG551	PUKETOI	6500	FT	4500	FT	[ATC Authority:] Ohakea Approach [Frequency:] 125.1 MHz	[Active:] By ATC approval.
NZG674	BARING HEAD	600	FT	0	FT	[ATC Authority:] Wellington Approach [Frequency:] 118.8 MHz (Wellington Tower)	[Active:] By ATC approval.
NZG752	CROWN TERRACE	3000	FT	0	FT	[ATC Authority:] Queenstown Tower [Frequency:] 118.1 MHz	
NZG755	CORONET PEAK	5500	FT	0	FT	[ATC Authority:] Queenstown Approach [Frequency:] 118.1 MHz	
NZG756	SKYLINE	4500	FT	0	FT	[ATC Authority:] Queenstown Approach [Frequency:] 118.1 MHz	[Active:] By ATC approval.

				NOTES: (1)	) Upper/L	ower Limit is expressed in FT (AMSL) or FL (Flight Level)	
Identifier	Name	Uppe	r Limit	Low	er Limit	Remarks	Remarks to Working Hours
NZG758	ARROW JUNCTION	2100	FT	0	FT	[ATC Authority:] Queenstown Approach [Frequency:] 118.1 MHz	
NZG852	NEW BRIGHTON	4500	FT			[ATC Authority:] Christchurch Approach [Frequency:] 120.9 MHz. [Lower limit:] Lower limit of controlled airspace within NZG852 lateral limits (1500 ft AMSL and 3500 ft AMSL as appropriate)	[Active:] By ATC approval.
NZG853	LYTTELTON	5500	FT	3500	FT	[ATC Authority:] Christchurch Approach [Frequency:] 120.9 MHz	[Active:] By ATC approval.
NZG870	LAKE STATION	195	FL	9500	FT	[ATC Authority:] Christchurch Area [Frequency:] 129.4 MHz	[Active:] By notification to ATC.
NZG951	SPRINGFIELD	9500	FT			[ATC Authority:] Christchurch Approach [Frequency:] 120.9 MHz. [Lower limit:] Lower limit of controlled airspace within NZG951 lateral limits,	[Active:] By ATC approval
NZG952	COLERIDGE	12500	FT			[ATC Authority:] Christchurch Area [Frequency:] 128.1 MHz. [Lower limit:] Lower limit of controlled airspace within NZG952 lateral limits	[Active:] By ATC approval
NZG953	ALEXANDRA	175	FL	13500	FT	[ATC Authority:] Christchurch Area [Frequency:] 129.3 MHz	[Active:] By ATC approval.
NZG954	RANFURLY	175	FL	13500	FT	[ATC Authority:] Christchurch Area [Frequency:] 129.3 MHz	[Active:] By ATC approval.
NZG955	WAITAKI	175	FL	13500	FT	[ATC Authority:] Christchurch Area [Frequency:] 129.3 MHz	[Active:] By ATC approval.
NZG957	OMARAMA	175	FL	13500	FT	[ATC Authority:] Christchurch Area [Frequency:] 129.3 MHz	[Active:] By notification to ATC.
NZG958	TWO THUMBS	175	FL	13500	FT	[ATC Authority:] Christchurch Area	[Active:] By notification to ATC.

	NOTES: (1) Upper/Lower Limit is expressed in FT (AMSL) or FL (Flight Level)									
Identifier	Name	Uppe	r Limit	Lowe	r Limit	Remarks	Remarks to Working Hours			
						[Frequency:] 129.3 MHz				
NZG959	RANGITATA RIVER	175	FL	13500	FT	[ATC Authority:] Christchurch Area [Frequency:] 129.3 MHz	[Active:] By ATC approval.			

<sup>\*\*\*</sup> SEE AIRSPACE BOUNDARY DESCRIPTIONS BELOW \*\*\*



# **AERONAUTICAL SERVICES**

### NZANR - Part 71 - GAA boundaries

	Boundary line	e types CIR (Circle), CWA (Clockwise Arc), CCA (Counterclock	wise Arc), <b>GRC</b> (Grea	t Circle), <b>RHL</b> (Rhumi	bline), <b>FNT</b>	(geoborder i.e. a line	following the road , e	tc)	
Identifier	Sequence	Remarks	Latitude	Longitude	Туре	Arc latitude	Arc longitude	Arc r	adius
NZG152	1		362730.00S	1744205.00E	GRC				
NZG152	2		362858.10S	1743604.60E	GRC				
NZG152	3	Ahuroa Road railway overpass.	362833.40S	1743318.50E	GRC				
NZG152	4		362735.60S	1743307.40E	CWA	364712.458	1743752.45E	20	NM
NZG153	1		362905.00S	1744827.30E	GRC				
NZG153	2		363917.50S	1744159.40E	GRC				
NZG153	3		364326.20S	1744101.00E	GRC				
NZG153	4		364622.90S	1743707.10E	GRC				
NZG153	5		364749.90S	1743356.00E	GRC				
NZG153	6		364815.90S	1743258.90E	GRC				
NZG153	7		364949.20S	1742535.20E	GRC				
NZG153	8		364410.60S	1742158.90E	GRC				
NZG153	9	a line following the high tension line from	364021.10S	1742903.10E	FNT				
NZG153	10		362909.40S	1742704.80E	CWA	364712.45S	1743752.45E	20	NM
NZG155	1	A line following the HT line from	364021.10S	1742903.10E	FNT				
NZG155	2		364749.90S	1743356.00E	GRC				
NZG155	3		364815.90S	1743258.90E	GRC				
NZG155	4	Muriwai Beach	364949.20S	1742535.20E	GRC				
NZG155	5		364410.60S	1742158.90E	GRC				
NZG156	1		364326.20S	1744101.00E	GRC				
NZG156	2		364345.60S	1744056.50E	GRC				
NZG156	3	Whenuapai VOR/DME	364712.50S	1743752.40E	GRC				

E	Boundary line	e types CIR (Circle), CWA (Clockwise Arc), CCA (Countercloc	kwise Arc), <b>GRC</b> (Grea	t Circle), RHL (Rhum	bline), <b>FNT</b>	(geoborder i.e. a line	following the road , e	tc)	
Identifier	Sequence	Remarks	Latitude	Longitude	Туре	Arc latitude	Arc longitude	Arc r	adius
NZG156	4		364815.90\$	1743258.90E	GRC				
NZG156	5		364749.90S	1743356.00E	GRC				
NZG156	6		364622.90S	1743707.10E	GRC				
NZG157	1		362905.00S	1744827.30E	GRC				
NZG157	2		363917.50S	1744159.40E	GRC				
NZG157	3		363952.00\$	1744151.20E	GRC				
NZG157	4		364128.20S	1743912.00E	GRC				
NZG157	5		364146.50S	1743808.00E	GRC				
NZG157	6		364143.00\$	1743700.00E	GRC				
NZG157	7		364138.90S	1743638.80E	GRC				
NZG157	8		364145.30\$	1743628.20E	GRC				
NZG157	9		364111.50\$	1743629.60E	FNT				
NZG157	10		364009.50S	1743209.60E	GRC				
NZG157	11		364021.20S	1742903.20E	FNT				
NZG157	12		362909.40S	1742704.80E	CWA	364712.458	1743752.45E	20	NM
NZG158	1	a line following the HT line from	363952.00\$	1744151.20E	GRC				
NZG158	2		364326.20S	1744101.00E	GRC				
NZG158	3		364622.90S	1743707.10E	GRC				
NZG158	4		364749.90\$	1743356.00E	FNT				
NZG158	5		364021.20S	1742903.20E	GRC				
NZG158	6	a line following Bald Hill Road and Blackridge Road from	364009.50\$	1743209.60E	FNT				
NZG158	7		364111.50\$	1743629.60E	GRC				
NZG158	8		364145.30\$	1743628.20E	GRC				
NZG158	9		364138.90\$	1743638.80E	GRC				
NZG158	10		364143.00\$	1743700.00E	GRC				
NZG158	11		364146.50\$	1743808.00E	GRC				

NZANR - Part 71 - GAA boundaries

E	Boundary line	e types CIR (Circle), CWA (Clockwise Arc), CCA (Counterclock	wise Arc), GRC (Great	t Circle), <b>RHL</b> (Rhuml	oline), <b>FNT</b>	(geoborder i.e. a line	following the road , e	tc)	
Identifier	Sequence	Remarks	Latitude	Longitude	Туре	Arc latitude	Arc longitude	Arc r	adius
NZG158	12		364128.20S	1743912.00E	GRC				
NZG250	1		375155.10S	1755631.30E	GRC				
NZG250	2		380509.00S	1755918.90E	CCA	380743.10S	1760116.90E	3	NM
NZG250	3		380913.30S	1755759.30E	GRC				
NZG250	4		381055.70S	1755914.30E	GRC				
NZG250	5		381837.50S	1755753.50E	GRC				
NZG250	6		382431.20S	1755651.50E	CWA	380628.97S	1761850.15E	25	NM
NZG250	7		381508.00S	1754905.00E	GRC				
NZG250	8		380838.00S	1753301.00E	GRC				
NZG250	9		380852.00S	1752716.10E	GRC				
NZG250	10	(BILOK)	380610.90S	1752910.00E	GRC				
NZG250	11		380532.40S	1752930.20E	GRC				
NZG250	12	(KAPLO)	375500.40S	1753317.70E	GRC				
NZG250	13		375411.90S	1753326.40E	GRC				
NZG250	14		374725.80S	1753342.70E	GRC				
NZG250	15		375004.50S	1753929.70E	GRC				
NZG250	16		375221.40S	1755033.20E	GRC				
NZG251	1		382201.20S	1760747.60E	GRC				
NZG251	2		382853.70S	1760446.40E	CWA	380628.97S	1761850.15E	25	NM
NZG251	3		382431.20S	1755651.50E	GRC				
NZG251	4		381837.50S	1755753.50E	CCA	380628.97S	1761850.15E	20.5	NM
NZG251	5		382246.60S	1760302.30E	GRC				
NZG254	1		372715.10S	1754242.20E	GRC				
NZG254	2	Pukekohatu, 2621 ft	373126.80S	1754551.20E	GRC				
NZG254	3	Pahiko, 2585 ft	373228.90S	1754656.20E	GRC				
NZG254	4	Wahine Rock, 2608 ft	373412.60S	1754917.00E	GRC				

	Boundary line	e types CIR (Circle), CWA (Clockwise Arc), CCA (Countercloc	kwise Arc), <b>GRC</b> (Grea	at Circle), <b>RHL</b> (Rhum	bline), FNT (	(geoborder i.e. a line	following the road , e	tc)	
Identifier	Sequence	Remarks	Latitude	Longitude	Туре	Arc latitude	Arc longitude	Arc r	adius
NZG254	5		374058.90S	1755428.10E	GRC				
NZG254	6		375155.10S	1755631.30E	GRC				
NZG254	7	Te Poi	375221.40S	1755033.20E	GRC				
NZG254	8	Te Tapui	375004.50S	1753929.70E	GRC				
NZG254	9	Mt Ruru, 1613 ft	374725.80S	1753342.70E	GRC				
NZG254	10	Morrinsville	373928.80S	1753140.30E	GRC				
NZG256	1		382110.50S	1762246.30E	GRC				
NZG256	2		383058.00S	1762524.60E	CWA	380628.97S	1761850.15E	25	NM
NZG256	3		382853.70S	1760446.40E	GRC				
NZG256	4		382201.20S	1760747.60E	GRC				
NZG256	5		382020.90S	1761132.30E	CCA	380628.97S	1761850.15E	15	NM
NZG256	6		382113.20S	1761510.30E	GRC				
NZG256	7		381639.20S	1761818.40E	GRC				
NZG256	8		381409.20S	1761800.00E	FNT				
NZG256	9		382023.40S	1762149.50E	GRC				
NZG257	1		382110.50S	1762246.30E	GRC				
NZG257	2		383058.00S	1762524.60E	CWA	380628.97S	1761850.15E	25	NM
NZG257	3		382853.70S	1760446.40E	GRC				
NZG257	4		382201.20S	1760747.60E	GRC				
NZG257	5		382020.90S	1761132.30E	CCA	380628.97S	1761850.15E	15	NM
NZG257	6		382113.20S	1761510.30E	GRC				
NZG257	7		381639.20S	1761818.40E	GRC				
NZG257	8		381409.20S	1761800.00E	FNT				
NZG257	9		382023.40S	1762149.50E	GRC				
NZG258	1		380341.70S	1763730.20E	CWA	380628.97S	1761850.15E	15	NM
NZG258	2		382110.50S	1762246.30E	GRC				

	Boundary line	e types CIR (Circle), CWA (Clockwise Arc), CCA (Counterclock	kwise Arc), <b>GRC</b> (Grea	t Circle), <b>RHL</b> (Rhum	bline), FNT	(geoborder i.e. a line	following the road, e	tc)	
Identifier	Sequence	Remarks	Latitude	Longitude	Туре	Arc latitude	Arc longitude	Arc ra	adius
NZG258	3	a line following SH5 from	382023.40\$	1762149.50E	FNT				
NZG258	4		381409.20S	1761800.00E	GRC				
NZG258	5		380923.00S	1762550.00E	GRC				
NZG258	6		380511.30S	1762733.10E	GRC				
NZG259	1		374424.00S	1763030.00E	GRC				
NZG259	2		375220.20\$	1763325.10E	GRC				
NZG259	3		374905.00S	1762212.00E	GRC				
NZG259	4	Kaituna Bridge VRP	374446.80S	1762115.50E	GRC				
NZG272	1		373219.70S	1751408.80E	GRC				
NZG272	2	Intersection of SH1 and Kainui Road;	373730.40\$	1751104.50E	GRC				
NZG272	3	Great South Road Bridge, Ngaruawahia	373945.00S	1750856.60E	GRC				
NZG272	4	Hakarimata, 1227 ft	373942.90S	1750729.00E	GRC				
NZG272	5	Huntly	373343.00S	1750930.50E	GRC				
NZG273	1		370717.40S	1753144.40E	CWA	370016.30S	1744849.40E	35	NM
NZG273	2		371829.50S	1752614.60E	GRC				
NZG273	3		371407.60S	1752336.70E	GRC				
NZG273	4		371009.90\$	1751731.40E	GRC				
NZG274	1		371009.90S	1751731.40E	GRC				
NZG274	2		371407.60S	1752336.70E	GRC				
NZG274	3		371829.50S	1752614.60E	GRC				
NZG274	4		373047.00S	1752115.00E	GRC				
NZG274	5		373047.70S	1751914.90E	GRC				
NZG274	6		373219.70\$	1751408.80E	GRC				
NZG274	7		372922.50S	1750923.90E	GRC				
NZG274	8		372312.30\$	1750122.60E	CCA	370016.30S	1744849.40E	25	NM
NZG275_A	1		371009.90\$	1751731.40E	CWA	370016.30S	1744849.40E	25	NM

E	Boundary line	e types CIR (Circle), CWA (Clockwise Arc), CCA (Counterclock	wise Arc), <b>GRC</b> (Grea	t Circle), RHL (Rhuml	bline), <b>FNT</b> (	(geoborder i.e. a line	following the road , e	tc)
Identifier	Sequence	Remarks	Latitude	Longitude	Туре	Arc latitude	Arc longitude	Arc radius
NZG275_A	2		372312.30S	1750122.60E	GRC			
NZG275_A	3		371434.60S	1745433.10E	GRC			
NZG275_A	4		371232.50S	1745945.50E	GRC			
NZG275_A	5		370613.80S	1750711.40E	GRC			
NZG275_A	6		370510.40S	1750916.70E	GRC			
NZG275_A	7	Mangatangi Reservoir Dam	370700.50S	1751241.00E	GRC			
NZG275_B	1		371353.70S	1745400.70E	GRC			
NZG275_B	2		370953.60S	1745400.60E	GRC			
NZG275_B	3	Karaka	370437.50S	1745541.70E	GRC			
NZG275_B	4	spot height 900 ft	370333.50S	1750035.70E	GRC			
NZG275_B	5	intersection of HT lines and Sky High Rd	370330.00S	1750401.20E	GRC			
NZG275_B	6	Cosseys Reservoir Dam	370341.10S	1750625.50E	GRC			
NZG275_B	7	Upper Mangatawhiri Reservoir Dam	370510.40S	1750916.70E	GRC			
NZG275_B	8	Wairoa Reservoir Dam	370613.80S	1750711.40E	GRC			
NZG275_B	9	SH1 Bombay summit	371232.50S	1745945.50E	GRC			
NZG275_B	10		371434.60S	1745433.10E	GRC			
NZG276	1	Upper Mangatawhiri Reservoir Dam	370510.40S	1750916.70E	GRC			
NZG276	2	Wairoa Reservoir Dam	370613.80S	1750711.40E	GRC			
NZG276	3	SH1 Bombay summit	371232.50S	1745945.50E	GRC			
NZG276	4		371434.60S	1745433.10E	GRC			
NZG276	5		371353.70S	1745400.70E	GRC			
NZG276	6		370953.60S	1745400.60E	GRC			
NZG276	7	Karaka	370437.50S	1745541.70E	GRC			
NZG276	8	spot height 900 ft	370333.50S	1750035.70E	GRC			
NZG276	9	intersection of HT lines and Sky High Rd	370330.00S	1750401.20E	GRC			
NZG276	10	Cosseys Reservoir Dam	370341.10S	1750625.50E	GRC			

	Boundary line	e types CIR (Circle), CWA (Clockwise Arc), CCA (Counterclock	kwise Arc), <b>GRC</b> (Grea	t Circle), <b>RHL</b> (Rhum	bline), <b>FNT</b> (	geoborder i.e. a line	following the road , e	tc)	
Identifier	Sequence	Remarks	Latitude	Longitude	Туре	Arc latitude	Arc longitude	Arc ra	adius
NZG351	1	Intersection Junction Road, Matai and Rata Streets, a line following SH 3 from	390921.70S	1741226.10E	FNT				
NZG351	2	Intersection SH3 and Egmont Street	391735.90S	1741558.90E	GRC				
NZG351	3	(Cardiff), a line following Opunake Road from	392137.90S	1741350.30E	FNT				
NZG351	4	Intersection Opunake and Hastings Roads	392218.50S	1741136.90E	GRC				
NZG351	5		391106.90S	1740942.20E	GRC				
NZG351	6		391001.80S	1740413.30E	GRC				
NZG351	7		390850.30S	1740540.70E	GRC				
NZG351	8	Egmont Village	390844.20S	1740842.20E	GRC				
NZG351	9	Junction Rd/SH3 - a line following SH3 from	390902.90S	1741016.90E	GRC				
NZG357	1	Mangapipi Road and Kiwitea-Tapuae Road intersection	395930.10S	1754337.90E	GRC				
NZG357	2	Kimbolton	400332.80S	1754647.00E	GRC				
NZG357	3		401644.80S	1754523.70E	GRC				
NZG357	4	Ashhurst	401719.00S	1754518.50E	GRC				
NZG357	5	Bunnythorpe Substation	401649.80S	1753816.60E	GRC				
NZG357	6	following the railway from	401650.50\$	1753742.40E	FNT				
NZG357	7	Halcombe	400852.90S	1752942.40E	GRC				
NZG357	8	Stanway	400558.90S	1753249.60E	GRC				
NZG357	9	Waituna West	400227.90S	1753816.80E	GRC				
NZG451	1		384435.68S	1760427.41E	CIR	384435.68\$	1760427.41E	7	NM
NZG452	1		382746.90S	1780110.60E	GRC				
NZG452	2		383156.50S	1780230.90E	GRC				
NZG452	3	spot height, 1217 ft	383219.30S	1780031.50E	GRC				
NZG452	4	Ormond VRP	383317.70S	1775519.80E	GRC				
NZG452	5	The Lake VRP	383553.70S	1775225.80E	GRC				
NZG452	6		383709.70S	1775101.90E	GRC				

	Boundary line	e types CIR (Circle), CWA (Clockwise Arc), CCA (Counterclock	kwise Arc), <b>GRC</b> (Grea	t Circle), RHL (Rhum	bline), FNT (	(geoborder i.e. a line	following the road , e	tc)	
Identifier	Sequence	Remarks	Latitude	Longitude	Туре	Arc latitude	Arc longitude	Arc ra	adius
NZG452	7		383023.30\$	1774852.70E	CWA	383937.84S	1775839.22E	12	NM
NZG453	1		381508.00\$	1754905.00E	CCA	380628.97S	1761850.15E	25	NM
NZG453	2		382431.20S	1755651.50E	GRC				
NZG453	3	Arc based on PEBSO	383648.30\$	1754244.90E	CCA	383926.70S	1754434.10E	3	NM
NZG453	4		383818.60\$	1754101.50E	GRC				
NZG453	5		383906.40\$	1754038.30E	GRC				
NZG453	6		382802.80S	1753837.00E	GRC				
NZG453	7		381609.60\$	1752402.60E	GRC				
NZG453	8		381352.70S	1752343.00E	GRC				
NZG453	9		380852.00S	1752716.10E	GRC				
NZG453	10		380838.00\$	1753301.00E	GRC				
NZG454	1		382802.80S	1753837.00E	GRC				
NZG454	2		383952.40S	1754046.70E	CCA	383926.73S	1754434.10E	3	NM
NZG454	3		384107.50S	1754123.70E	GRC				
NZG454	4		384451.10S	1754436.30E	GRC				
NZG454	5		385653.00S	1754012.20E	GRC				
NZG454	6		385718.30S	1753437.30E	GRC				
NZG454	7		385555.10S	1752219.30E	GRC				
NZG454	8		382555.40S	1751745.40E	CCA	375057.35S	1752018.77E	35	NM
NZG454	9		382545.00S	1752524.90E	GRC				
NZG454	10		381609.60\$	1752402.60E	GRC				
NZG551	1		402311.20S	1761435.00E	CWA	401912.89S	1753816.25E	28	NM
NZG551	2		403601.00\$	1760737.80E	GRC				
NZG551	3		403149.10S	1760015.70E	CCA	401912.89S	1753816.25E	21	NM
NZG551	4		402256.30S	1760520.80E	GRC				
NZG674	1	(Wainuiomata River Bridge), a line following the river from	412338.20S	1745256.60E	FNT				

	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	Туре	Arc latitude	Arc longitude	Arc radius		
NZG674	2	(Wainuiomata River meets mean high tide mark), a line line following the mean high water mark from	412443.80S	1745305.60E	FNT					
NZG674	3	Road meets coast	412336.10S	1745229.60E	GRC					
NZG752	1	Crown Peak 2, 5678 ft	445710.90S	1685511.30E	GRC					
NZG752	2	Mt Scott, 4470 ft	445911.20S	1685546.40E	GRC					
NZG752	3		445910.60S	1685409.70E	GRC					
NZG752	4	Intersection of Gibbston Highway and Crown Range Road a line following Gibbston Highway from	445853.90S	1685116.40E	FNT					
NZG752	5	Arrow Junction ; a line following Centennial Avenue from	445837.90S	1685055.60E	FNT					
NZG752	6		445726.30S	1685048.40E	GRC					
NZG752	7		445637.00S	1685110.30E	GRC					
NZG755	1		445435.70S	1685010.90E	GRC					
NZG755	2	a line following Malaghan Rd from	445633.40S	1684910.10E	FNT					
NZG755	3	a line following Coronet peak Rd from	445711.60S	1684441.80E	FNT					
NZG755	4		445650.50S	1684413.70E	GRC					
NZG755	5		445548.30S	1684305.20E	GRC					
NZG755	6		445534.30S	1684333.10E	GRC					
NZG755	7	Coronet Peak, 5417 ft	445456.90S	1684423.00E	GRC					
NZG756	1	a line following Gorge Rd from	445942.10S	1684031.00E	FNT					
NZG756	2		450147.60S	1683942.20E	GRC					
NZG756	3	a line following the Lake Wakatipu shoreline to	450157.90S	1683934.60E	FNT					
NZG756	4	Sunshine Bay	450300.10S	1683718.10E	GRC					
NZG756	5	Ben Lomond, 5733 ft	450025.30S	1683656.10E	GRC					
NZG756	6	Bowen Peak, 5337 ft	445947.00S	1683826.50E	GRC					
NZG758	1	a line following the Royal Burn from	445858.20S	1685158.10E	GRC					
NZG758	2	Intersection Royal Burn and Gibbston Highway	445911.20S	1685141.30E	GRC					

ı	Boundary line	e types CIR (Circle), CWA (Clockwise Arc), CCA (Counterclock	wise Arc), <b>GRC</b> (Grea	t Circle), <b>RHL</b> (Rhum	bline), FNT (	(geoborder i.e. a line	following the road , e	tc)	
Identifier	Sequence	Remarks	Latitude	Longitude	Туре	Arc latitude	Arc longitude	Arc ra	adius
NZG758	3	a line following the Arrow River from	445929.20S	1685132.20E	FNT				
NZG758	4	(road bridge) - a line following the Gibbston Highway from	445837.70S	1685105.20E	FNT				
NZG758	5	Intersection Gibbston Highway and Crown Range Road	445853.90S	1685116.40E	GRC				
NZG852	1		432703.20S	1725103.50E	CWA	433014.76S	1723052.69E	15	NM
NZG852	2		433409.90S	1725049.50E	GRC				
NZG852	3		433523.70S	1724849.70E	GRC				
NZG852	4		433342.10S	1724500.50E	GRC				
NZG852	5	Southshore Peninsular; following the mean high water mark from	433342.00S	1724500.50E	FNT				
NZG852	6	The Pier	433034.90S	1724354.70E	GRC				
NZG853	1		433523.70S	1724849.70E	GRC				
NZG853	2	Motukarara Racecourse	434354.00S	1723500.40E	GRC				
NZG853	3	Otahuna	433941.50S	1723515.00E	GRC				
NZG853	4	Hillsborough	433354.10S	1724026.50E	GRC				
NZG853	5		433342.00S	1724500.50E	GRC				
NZG870	1	Lake Station aerodrome	414535.90S	1724448.50E	GRC				
NZG870	2	Lake Rotoiti	414900.00S	1725015.00E	GRC				
NZG870	3	Lake Tennyson	421153.90S	1724400.50E	GRC				
NZG870	4	Mt Burn	421144.30S	1722828.70E	GRC				
NZG870	5	Victoria Range Summit, 5676 ft	421203.50S	1720655.70E	GRC				
NZG870	6		421156.10S	1720526.20E	GRC				
NZG870	7		420139.30S	1721507.50E	GRC				
NZG951	1		425609.30S	1722043.20E	GRC				
NZG951	2	(Kowhai Bush) a line following the railway tracks from	431738.80S	1715540.10E	FNT				
NZG951	3	Racecourse Hill	432627.70S	1720357.20E	GRC				
NZG951	4		433140.50S	1715654.60E	GRC				

NZANR - Part 71 - GAA boundaries

	Boundary line	e types CIR (Circle), CWA (Clockwise Arc), CCA (Countercloc	kwise Arc), <b>GRC</b> (Grea	t Circle), RHL (Rhum	bline), <b>FNT</b> (	(geoborder i.e. a line	following the road , e	tc)	
Identifier	Sequence	Remarks	Latitude	Longitude	Туре	Arc latitude	Arc longitude	Arc ra	adius
NZG951	5		433212.00S	1714251.10E	CWA	433014.76S	1723052.69E	35	NM
NZG952	1		431644.90S	1714625.90E	CCA	433014.76S	1723052.69E	35	NM
NZG952	2		433212.00S	1714251.10E	GRC				
NZG952	3		435523.90S	1711532.10E	CWA	433014.76S	1723052.69E	60	NM
NZG952	4		430252.60S	1711728.50E	GRC				
NZG952	5		431431.00S	1714214.40E	GRC				
NZG953	1		445550.00S	1700512.00E	GRC				
NZG953	2		445925.50S	1695819.60E	GRC				
NZG953	3		450357.00S	1695412.00E	GRC				
NZG953	4		452222.70S	1693126.40E	GRC				
NZG953	5		452523.70S	1692137.50E	GRC				
NZG953	6		452559.70S	1691445.50E	GRC				
NZG953	7		452455.90S	1690537.40E	GRC				
NZG953	8		445808.00S	1692836.00E	GRC				
NZG953	9		445353.00S	1693941.00E	GRC				
NZG953	10		444537.00S	1694736.00E	GRC				
NZG954	1	Kakanui Peak, 5013 ft	450801.30S	1702620.90E	GRC				
NZG954	2	Summit Rock, 4754 ft	452532.00S	1700414.30E	GRC				
NZG954	3	Lynbrook	452708.20S	1694840.00E	GRC				
NZG954	4		452946.50S	1692212.60E	GRC				
NZG954	5	Rough Ridge summit, 3186 ft	450356.70S	1695411.50E	GRC				
NZG954	6	Idaburn	445925.50S	1695819.60E	GRC				
NZG954	7	Mt. Ida, 5545 ft	445550.30S	1700511.90E	GRC				
NZG954	8	Mt Pisgah, 5390 ft	450448.60S	1702330.50E	GRC				
NZG955	1	Mt Studholme, 3560 ft	443829.80S	1705438.70E	GRC				
NZG955	2	Duntroon	445119.00S	1704107.50E	GRC				

E	Boundary line	e types CIR (Circle), CWA (Clockwise Arc), CCA (Counterclock	wise Arc), GRC (Grea	t Circle), <b>RHL</b> (Rhuml	oline), <b>FNT</b> (	geoborder i.e. a line	following the road , e	tc)
Identifier	Sequence	Remarks	Latitude	Longitude	Туре	Arc latitude	Arc longitude	Arc radius
NZG955	3	Craigneuk	445509.70S	1703723.90E	GRC			
NZG955	4	Kakanui Peak, 5013 ft	450801.30S	1702620.90E	GRC			
NZG955	5	Mt Pisgah, 5390 ft	450448.60S	1702330.50E	GRC			
NZG955	6	Mt Ida, 5545 ft	445550.30S	1700511.90E	GRC			
NZG955	7	Kohurau, 6609 ft	444815.30S	1701932.20E	GRC			
NZG955	8	Waitaki Dam	444118.70S	1702536.00E	GRC			
NZG955	9	Mt Kirkliston, 6191 ft	443245.30S	1703057.30E	GRC			
NZG955	10	Mt. Nessing, 5253 ft	442052.80S	1704225.00E	GRC			
NZG957	1	Mt. Nessing, 5253 ft	442052.80S	1704225.00E	GRC			
NZG957	2	Mt Kirkliston, 6191 ft	443245.30S	1703057.30E	GRC			
NZG957	3	Waitaki Dam	444118.70S	1702536.00E	GRC			
NZG957	4	Kohurau, 6609 ft	444815.30S	1701932.20E	GRC			
NZG957	5	Mt. Ida, 5545 ft	445550.30S	1700511.90E	GRC			
NZG957	6		444359.90S	1694442.10E	GRC			
NZG957	7		443106.70S	1693534.20E	GRC			
NZG957	8		442630.10S	1693219.50E	GRC			
NZG957	9		442450.80S	1693805.70E	GRC			
NZG957	10		440429.40S	1701334.90E	GRC			
NZG957	11	Mt Mary and mast, 3386 ft	440819.30S	1701639.30E	GRC			
NZG957	12	Mt. Dalgety, 5748 ft	441759.80S	1703610.60E	GRC			
NZG958	1	Ben McLeod, 6400 ft	434412.20S	1705710.70E	GRC			
NZG958	2	Fairlie	440551.80S	1704942.90E	GRC			
NZG958	3	Mt. Nessing, 5253 ft	442052.80S	1704225.00E	GRC			
NZG958	4	Mt. Dalgety, 5748 ft	441759.80S	1703610.60E	GRC			
NZG958	5	Mt Mary and mast 3386 ft	440819.30S	1701639.30E	GRC			
NZG958	6		440429.40S	1701334.90E	GRC			

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	Туре	Arc latitude	Arc longitude	Arc radius		
NZG958	7		432934.20S	1705008.30E	GRC					
NZG959	1		433031.80S	1710825.70E	CCA	433014.76S	1723052.69E	60	NM	
NZG959	2		435547.00S	1711606.30E	GRC					
NZG959	3	Mt. Nessing, 5253 ft	442052.80S	1704225.00E	GRC					
NZG959	4	Fairlie	440551.80S	1704942.90E	GRC					
NZG959	5	Ben McLeod, 6400 ft	434412.20S	1705710.70E	GRC					
NZG959	6		432934.20S	1705008.30E	GRC					

<sup>\*\*\*</sup> END OF AIRSPACE BOUNDARY DESCRIPTIONS \*\*\*