

RAMM Output			AADT ONRC Gap Analysis	Carrageway Gap Analysis	
road_name	start_name	end_name	AADT ONRC Cal / RAMM	Carrway- Gap	Carrway_Gap (m)
TOI TOI STREET	ABRAHAM HEIGHTS	MONTREAL ROAD	Secondary Collector	Gap	0.1
TOI TOI STREET	MONTREAL ROAD	VOSPER STREET	Primary Collector	Gap	4.3
EMANO STREET	TOI TOI STREET	PIKO STREET	Secondary Collector	Gap	2.2
EMANO STREET	MURPHY ST	ORSMAN CRESENT	Secondary Collector	Gap	4.3
MONTREAL ROAD	ABRAHAM HEIGHTS	TOI TOI ST	Secondary Collector	Gap	2.7
MURPHY STREET	EMANO ST	JENNER ROAD	Access	Gap	3.3
MURPHY STREET	JENNER ROAD	THOMPSON TERRACE	Access	Gap	1.7
RICHARDSON STREET	WAKEFIELD QUAY	START OF KCC LHS	Secondary Collector	Gap	5.9
RICHARDSON STREET	START OF KCC LHS	WHITBY STREET	Secondary Collector	Gap	5.4
QUEBEC ROAD	ARROW STREET	ABRAHAM HEIGHTS	Access	Gap	3.1
QUEBEC ROAD	ABRAHAM HEIGHTS	WESTERHAM PLACE	Secondary Collector	Gap	3
QUEBEC ROAD	MONTCALM STREET	ROAD WIDENS	Secondary Collector	Gap	2.8
BRITANNIA HEIGHTS	RUSSELL ST	VICTORIA HGTS	Secondary Collector	Gap	3.1
BRITANNIA HEIGHTS	VICTORIA HGTS	WASHINGTON RD	Secondary Collector	Gap	3.1
RUSSELL STREET	HAVEN RD (SH6)	MOUNT PLEASANT AVENUE	Secondary Collector	Gap	1.9
RUSSELL STREET	MOUNT PLEASANT AVENUE	BRITANNIA HEIGHTS	Secondary Collector	Gap	5.2
RUSSELL STREET	BRITANNIA HEIGHTS	VALLEY HEIGHTS ROAD	Secondary Collector	Gap	2
WASHINGTON ROAD	ST VINCENT ST	HASTINGS ST	Arterial	Gap	8.4
WASHINGTON ROAD	HASTINGS ST	PRINCES DR	Arterial	Gap	9.8
RENTONE STREET	WASHINGTON RD	RUSSELL ST	Secondary Collector	Gap	3.4
ARROW STREET	WASHINGTON RD	QUEBEC RD	Access	Gap	3.9
MAORI ROAD	HAVEN RD		Access	Gap	5.1
WHITBY ROAD	RICHARDSON ST	END	Access	Gap	3.2
PRINCES DRIVE	RICHARDSON ST	QUEBEC ROAD	Primary Collector	Gap	3.8
PRINCES DRIVE	MOANA AVENUE	ROAD NARROWS	Secondary Collector	Gap	2
MOANA AVENUE	BISLEY AVENUE	CENTRE MOANA AVENUE RO	Primary Collector	Gap	5.2
MOANA AVENUE	CENTRE MOANA AVENUE RO	ROAD WIDENS	Primary Collector	Gap	4.7
MOANA AVENUE	MONCRIEFF AVENUE (PAINTE	PRINCES DRIVE ROUNDABO	Primary Collector	Gap	4.7
BISLEY AVENUE	ROCKS RD	CHAMPION TCE	Secondary Collector	Gap	5
BISLEY AVENUE	CHAMPION TCE	MOANA AVE	Secondary Collector	Gap	5
STANSELL AVENUE	MOANA AVENUE	PADDYS KNOB ACCESS	Secondary Collector	Gap	3
STANSELL AVENUE	TOSSWILL ROAD	CHANGE IN CARRIAGEWAY	Access	Gap	4.6
TOSSWILL ROAD	STATE HIGHWAY 6	CHAMBERLAIN STREET	Secondary Collector	Gap	3.3
TOSSWILL ROAD	CHAMBERLAIN STREET	TAMAKI STREET	Secondary Collector	Gap	3.1
TOSSWILL ROAD	TAMAKI STREET	STANSELL AVENUE	Secondary Collector	Gap	3.6
MAIRE STREET	ANNESBROOK DRIVE	CHAMBERLAIN STREET	Access	Gap	4.5

RAMM Output			AADT ONRC Gap Analysis	Carrageway Gap Analysis	
road_name	start_name	end_name	AADT ONRC Cal / RAMM	Carrway- Gap	Carrway_Gap (m)
DOUGLAS ROAD	ANNESBROOK DR	GRACEFIELD ST	Secondary Collector	Gap	2.8
GRACEFIELD STREET	DOUGLAS ROAD	GREENHILL ROAD	Secondary Collector	Gap	2.3
BEATSON ROAD	WAIMEA RD (NORTH END)	SCOTIA STREET	Secondary Collector	Gap	2.5
ST VINCENT STREET	TOTARA STREET	JENNER ROAD	Access	Gap	4.8
JENNER ROAD	ST VINCENT STREET	JENNER ROAD CUL-DE-SAC	Access	Gap	3.3
JENNER RD (CUL DE SAC 1)	JENNER RD	END	Secondary Collector	Gap	2
TOTARA STREET	ST VINCENT ST	VANGUARD ST	Secondary Collector	Gap	0.8
NORTHEK STREET	ST VINCENT ST	VANGUARD ST	Access	Gap	1.3
NATALIE STREET	ST VINCENT ST	END	Access	Gap	0.7
GLOUCESTER STREET	ST VINCENT ST	VANGUARD ST	Arterial	Gap	4.9
VANGUARD STREET	RUTHERFORD STREET	HARDY STREET	Primary Collector	Gap	6.3
VANGUARD STREET	HARDY STREET	GLOUCESTER STREET	Arterial	Gap	7.4
VANGUARD STREET	GLOUCESTER STREET	PARERE STREET	Arterial	Gap	0.2
VANGUARD STREET	TOI TOI STREET	TOTARA STREET	Arterial	Gap	0.5
MOTUEKA STREET	VANGUARD STREET	TIPAHI STREET	Arterial	Gap	9
MOTUEKA STREET	TIPAHI STREET	KAWAI STREET (SOUTH)	Arterial	Gap	7.2
MOTUEKA STREET	WAIMEA ROAD	CAMPBELL STREET	Secondary Collector	Gap	0.2
FRANKLYN STREET	VANGUARD ST	TIPAHI ST	Secondary Collector	Gap	3.4
FRANKLYN STREET	TIPAHI ST	KAWAI ST	Secondary Collector	Gap	3.4
FRANKLYN STREET	KAWAI ST	WAIMEA RD	Secondary Collector	Gap	3.3
FRANKLYN STREET	WAIMEA RD	END AT JUDDER BAR	Access	Gap	1.5
ALFRED STREET	VANGUARD STREET	TIPAHI STREET	Secondary Collector	Gap	3
TIPAHI STREET	MOTUEKA ST	TUKUKA ST	Secondary Collector	Gap	6.2
TIPAHI STREET	TUKUKA ST	KAWAI ST	Access	Gap	0.2
KAWAI STREET (NORTH)	HAMPDEN ST	ALFRED ST	Secondary Collector	Gap	0.4
KAWAI STREET (SOUTH)	MOTUEKA ST	TUKUKA ST	Access	Gap	2.1
KAWAI STREET (SOUTH)	TUKUKA ST	TIPAHI ST	Secondary Collector	Gap	2.1
KAWAI STREET (SOUTH)	TIPAHI ST	BOUNDRY RD	Secondary Collector	Gap	2.1
TUKUKA STREET	START (WEST END)	TIPAHI STREET	Secondary Collector	Gap	7.1
TUKUKA STREET	TIPAHI STREET	KAWAI STREET SOUTH	Secondary Collector	Gap	1.9
TUKUKA STREET	KAWAI STREET SOUTH	WAIMEA ROAD	Access	Gap	1.8
TUKUKA STREET	WAIMEA ROAD	CAMPBELL STREET	Access	Gap	0.7
TUKUKA STREET	CAMPBELL STREET	BRUNNER STREET	Access	Gap	3.1
CAMPBELL STREET	MOTUEKA STREET	TUKUKA STREET	Access	Gap	2.3
MARKET ROAD	WAIMEA RD	BRUNNER ST (SOUTH)	Secondary Collector	Gap	2.9
MARKET ROAD	BRUNNER ST (SOUTH)	TRUCK SIGN	Access	Gap	3

RAMM Output			AADT ONRC Gap Analysis	Carrageway Gap Analysis	
road_name	start_name	end_name	AADT ONRC Cal / RAMM	Carrway- Gap	Carrway_Gap (m)
MARKET ROAD	TRUCK SIGN	QUARRY GATE	Access	Gap	2
HAMPDEN STREET	NGATITAMA ST	ALLEN ST	Access	Gap	2.4
ST VINCENT STREET ROUNDABOUT	GLOUCESTER STREET	GLOUCESTER STREET	Regional	Gap	4.6
BLICK TERRACE	BROOK ST	WESTBROOK TCE	Access	Gap	5.3
WESTBROOK TERRACE	BLICK AVE	BROOK ST	Secondary Collector	Gap	6.3
WESTBROOK TERRACE	BURN PL	BLICK AVE	Secondary Collector	Gap	6.3
WESTBROOK TERRACE	SOWMAN ST	BURN PL	Secondary Collector	Gap	6.3
WESTBROOK TERRACE	HINAU ST	SOWMAN ST	Secondary Collector	Gap	6.3
WESTBROOK TERRACE	MIRO ST	HINAU ST	Secondary Collector	Gap	6.3
WESTBROOK TERRACE	SEYMOUR AVE	MIRO ST	Secondary Collector	Gap	6.3
BROOK STREET	BLICK TERRACE	WESTBROOK TERRACE	Secondary Collector	Gap	12.1
BROOK STREET	WESTBROOK TERRACE	TANTRAGEE SADDLE RD	Secondary Collector	Gap	3.7
BROOK STREET	TANTRAGEE SADDLE RD	BROOK CAMPING GROUND	Secondary Collector	Gap	1.8
NILE STREET (EAST)	MAITAI ROAD	CLEVELAND TERRACE	Access	Gap	1.6
WAIMEA ROAD	BEATSON ROAD (NORTH END)	ULSTER STREET	Regional	Gap	0.8
ATAWHAI DRIVE	WEKA STREET	IWA ROAD	Primary Collector	Gap	9.6
MALVERN AVENUE	ATAWHAI DR	END	Access	Gap	2.2
BAY VIEW ROAD	ATAWHAI DRIVE	LEDGER ROAD	Access	Gap	2.6
ATAWHAI DR (BAY VIEW LOOP)	ATAWHAI DR (SOUTH END)	ATAWHAI DR (NORTH END)	Secondary Collector	Gap	3.1
TUI GLEN ROAD	ATAWHAI DR	END	Access	Gap	2.6
ATAWHAI CRESCENT	STATE HIGHWAY 6, SOUTH END	DODSON VALLEY ROAD	Secondary Collector	Gap	3.3
ATAWHAI CRESCENT	DODSON VALLEY ROAD	STATE HIGHWAY 6, NORTH	Secondary Collector	Gap	1.3
RAINBOW DRIVE	ATAWHAI CRES	END	Access	Gap	2.7
DODSON VALLEY ROAD	ATAWHAI CRES	CLOVELLY ST	Secondary Collector	Gap	2
MARYBANK ROAD	ATAWHAI DR	SEATON ST	Secondary Collector	Gap	2.6
MARYBANK ROAD	SEATON ST	JACKSON ST	Access	Gap	2.6
JACKSON STREET	MARYBANK ROAD	WASTNEY TERRACE	Access	Gap	1.8
TRESILLIAN AVENUE	SH 6 OFF RAMP	SEATON STREET	Access	Gap	0.8
MAITAI ROAD	NILE ST EAST	JICKELLS BRIDGE	Secondary Collector	Gap	7.2
MAITAI VALLEY ROAD	JICKELLS BRIDGE	GIBBS BRIDGE	Secondary Collector	Gap	4.6
MAITAI VALLEY ROAD	GIBBS BRIDGE	RALPHINE WAY	Secondary Collector	Gap	6.7
MAITAI VALLEY ROAD	SHARLANDS CREEK BRIDGE	MAITAI MOTOR CAMP	Low Volume	Gap	6.7
MAITAI VALLEY ROAD	MAITAI MOTOR CAMP	END OF SEAL	Low Volume	Gap	7.5
MAITAI VALLEY ROAD	END OF SEAL	SMITHS FORD BRIDGE	Low Volume	Gap	6.5
MAITAI VALLEY ROAD	SMITHS FORD BRIDGE	GATE AT DAM ROAD	Low Volume	Gap	6.6
LUD VALLEY	STATE HIGHWAY 6	FROST ROAD	Access	Gap	4.6

RAMM Output			AADT ONRC Gap Analysis	Carrageway Gap Analysis	
road_name	start_name	end_name	AADT ONRC Cal / RAMM	Carrway- Gap	Carrway_Gap (m)
CABLE BAY ROAD	STATE HIGHWAY 6	HOLLYMAN ROAD	Access	Gap	2.5
TODD BUSH ROAD	SH 6	ROAD NARROWING	Access	Gap	4.7
GLEN ROAD	STATE HIGHWAY 6	SEAL JOIN DAIRY FARM	Access	Gap	3.6
GLEN ROAD	SEAL JOIN DAIRY FARM		Access	Gap	3.6
SEAFIELD TERRACE	GLEN RD	ATHOL ST	Access	Gap	3.5
ATHOL STREET	GLEN RD	SEAFIELD TCE	Low Volume	Gap	5.3
HARDY STREET (WEST)	VANGUARD STREET	KERR STREET	Arterial	Gap	7.2
NGATITAMA STREET	HAMPDEN ST	SCHOOL	Access	Gap	5.3
VANGUARD STREET ROUNDABOUT	GLOUCESTER ST	GLOUCESTER ST	Arterial	Gap	4.3
ST VINCENT STREET	HASTINGS STREET	GLOUCESTER STREET	Arterial	Gap	2.1
DODSON VALLEY ROAD	CLOVELLY ST	HODGSON PL	Secondary Collector	Gap	1.1
DODSON VALLEY ROAD	HODGSON PL	FRENCHAY DRIVE	Secondary Collector	Gap	1.1
ANNESBROOK DRIVE	ANNESBROOK DRIVE ROUND	END OF CENTRAL APPROACH	Arterial	No Data	
RICHARDSON STREET	WHITBY STREET	PRINCES DR	Secondary Collector	Gap	6
QUEBEC ROAD	END OF KCC RHS	PRINCES DR	Secondary Collector	Gap	3.2
BEATSON ROAD	SCOTIA STREET	JENKINS PLACE	Secondary Collector	Gap	1.7
ATAWHAI DRIVE	ROAD NARROWS	BRANCH TO SH 6	Primary Collector	Gap	8.8
ATAWHAI DRIVE	BRANCH TO SH 6	BROOKLANDS ROAD	Secondary Collector	Gap	2.4
VANGUARD STREET ROUNDABOUT	VANGUARD STREET	VANGUARD STREET	Arterial	Gap	5
HAVEN ROAD ROUNDABOUT (HALIFAX STREET)	HALIFAX STREET	HALIFAX STREET	Regional	Gap	2.1
ST VINCENT STREET ROUNDABOUT	ST VINCENT STREET NORTH	ST VINCENT STREET NORTH	Arterial	Gap	6.5
TOSWILL ROAD ROUNDABOUT (TOSWILL ROAD (NORTH))	TOSWILL ROAD (NORTH)	TOSWILL ROAD (SOUTH)	Secondary Collector	Gap	4.5
WALTERS BLUFF	ATAWHAI DRIVE	DAVIES DRIVE	Access	Gap	0.4
BOULDER BANK DRIVE	STATE HIGHWAY 6	END OF SEAL	Access	Gap	2.8
MOANA AVENUE ROUNDABOUT	STANSELL AVENUE	STANSELL AVENUE	Primary Collector	Gap	3
THE RIDGEWAY ROUNDABOUT (I START		END	Primary Collector	Gap	3.8
TOI TOI STREET ROUNDABOUT (TOI TOI STREET	TOI TOI STREET	TOI TOI STREET	Access	Gap	1.7
WINDSOR DRIVE	PRINCES DRIVE	ZEEHAEN PLACE	Access	Gap	1.5
GRACEFIELD STREET	GREENHILL ROAD	HIGHVIEW DRIVE	Secondary Collector	Gap	0.5
PRINCES DRIVE	QUEBEC ROAD	MOANA AVENUE	Primary Collector	Gap	0.7
PRINCES DRIVE ROUNDABOUT (PRINCES DRIVE NORTH APPROACH)	PRINCES DRIVE NORTH APPROACH	PRINCES DRIVE SOUTH APPROACH	Arterial	Gap	4
MAITAI VALLEY ROAD	RALPHINE WAY	SHARLANDS CREEK BRIDGE	Secondary Collector	Gap	6.7
FRENCHAY DRIVE	DODSON VALLEY ROAD	FARLEIGH STREET	Access	Gap	1
FRENCHAY DRIVE	FARLEIGH STREET	BURNSIDE TERRACE	Access	Gap	1
BAY VIEW ROAD	LEDGER ROAD	SUNSET PLACE	Access	Gap	2.6
DAELYN DRIVE	TARANAKI PLACE	START OF BRICK PAVERS	Access	Gap	5.2

RAMM Output			AADT ONRC Gap Analysis	Carrageway Gap Analysis	
road_name	start_name	end_name	AADT ONRC Cal / RAMM	Carrway- Gap	Carrway_Gap (m)
STANSELL AVENUE	PADDYS KNOB ACCESS	CHANGE IN CARRIAGEWAY	Secondary Collector	Gap	4.6
STANSELL AVENUE	CHANGE IN CARRIAGEWAY W TOSSWILL ROAD		Secondary Collector	Gap	3
STANSELL AVENUE	CHANGE IN CARRIAGEWAY W CDS		Access	Gap	1.6
SADDLEBACK ROAD	TODD BUSH ROAD	END	Access	Gap	1
TODD BUSH ROAD	ROAD NARROWING	LITTLE TODD VALLEY ROAD	Access	Gap	4.7
TODD BUSH ROAD	LITTLE TODD VALLEY ROAD	TODD VALLEY ROAD	Access	Gap	4.7
WALTERS BLUFF	DAVIES DRIVE	END	Access	Gap	1
PRINCES DRIVE	CROWN TERRACE	CLARENCE DRIVE	Access	Gap	2.6
TOI TOI STREET	VOSPER STREET	RIMU STREET	Primary Collector	Gap	2.1
TOI TOI STREET	RIMU STREET	EMANO STREET	Primary Collector	Gap	2
TOI TOI STREET	ST VINCENT STREET	GORRIE STREET	Arterial	Gap	9.3
TOI TOI STREET	GORRIE STREET	VANGUARD STREET	Arterial	Gap	9.3
THE RIDGEWAY ROUNDABOUT (S START		END	Primary Collector	Gap	6.1
GENERAL AREA			No Data	No Data	
ST VINCENT STREET	HAVEN ROAD (PARKING PREC	HASTINGS STREET	Arterial	Gap	6.5
ATAWHAI DRIVE	IWA ROAD	WALTERS BLUFF	Primary Collector	Gap	7.1
JENNER ROAD	JENNER ROAD CUL-DE-SAC 1	JENNER ROAD CUL-DE-SAC 2	Access	Gap	3.3
JENNER ROAD	JENNER ROAD CUL-DE-SAC 2	MURPHY STREET	Access	Gap	3.3
EMANO STREET	PIKO STREET	MURPHY ST	Secondary Collector	Gap	2.4
WELLINGTON STREET	UPPER EXAMINER STREET	MOUNT STREET	Access	Gap	4.8
BEATSON ROAD	JENKINS PLACE	WAIMEA ROAD ROUNDABO	Secondary Collector	Gap	1.6
GRACEFIELD STREET	HIGHVIEW DRIVE	GREAT TASTE TRAIL	Access	Gap	1.3
OMAHU WAY	MOTUEKA STREET	END	No Data	No Data	
GLEN ROAD		SEAFIELD TCE	Access	Gap	3.6
LUD VALLEY	FROST ROAD	MACS ROAD	Access	Gap	5.1
ALFRED STREET	TIPAHİ STREET	KAWAI STREET (NORTH)	Secondary Collector	Gap	3
MOANA AVENUE	ROAD WIDENS	MONCRIEFF AVENUE (PAINT	Primary Collector	Gap	4.1
PRINCES DRIVE	CLARENCE DRIVE	BUCKINGHAM COURT	Low Volume	Gap	3
PRINCES DRIVE	BUCKINGHAM COURT	END OF CONSTRUCTION PRI	Low Volume	Gap	3
VANGUARD STREET	NORTHESK STREET	TOI TOI STREET	Arterial	Gap	1
VANGUARD STREET	TOTARA STREET	FRANKLYN STREET	Arterial	Gap	0.5
QUEBEC ROAD	WESTERHAM PLACE	MONTCALM STREET	Secondary Collector	Gap	2.8
QUEBEC ROAD	ROAD WIDENS	END OF KCC RHS	Secondary Collector	Gap	1.3
PRINCES DRIVE	ROAD NARROWS	ROAD WIDENS	Secondary Collector	Gap	4
CABLE BAY ROAD	HOLLYMAN ROAD	CP NO. 2 (LHS)	Access	Gap	2.3
CABLE BAY ROAD	CP NO. 2 (LHS)	HAPPY VALLEY ADVENTURE	Access	Gap	4.2

RAMM Output			AADT ONRC Gap Analysis	Carrageway Gap Analysis	
road_name	start_name	end_name	AADT ONRC Cal / RAMM	Carrway- Gap	Carrway_Gap (m)
CABLE BAY ROAD	HAPPY VALLEY ADVENTURES	CP NO. 11 (LHS)	Access	Gap	4.2
CABLE BAY ROAD	CP NO. 11 (LHS)	MAORI PA ROAD	Access	Gap	4.2
VANGUARD STREET	ROAD NARROWS	MOTUEKA STREET	Arterial	Gap	0.5
TRESILLIAN AVENUE	SH 6	SH 6 OFF RAMP	Secondary Collector	Gap	0.8
WAIMEA ROAD	ULSTER STREET	THE RIDGEWAY	Arterial	Gap	1.8
NILE STREET (EAST)	TORY STREET	MAITAI ROAD	Secondary Collector	Gap	2.2
BROOK STREET	SEYMOUR AVENUE	BLICK TERRACE	Secondary Collector	Gap	7.9
ITI LANE	END OF 2011 CONSTRUCTION	START OF 2015 CONSTRUCT	No Data	No Data	
MARINO GROVE	END OF 2011 CONSTRUCTION	START OF 2015 CONSTRUCT	No Data	No Data	
MOTUEKA STREET	KAWAI STREET (SOUTH)	WAIMEA ROAD	Arterial	Gap	8.2
ATAWHAI DRIVE	WALTERS BLUFF	ROAD NARROWS	Primary Collector	Gap	6.4
ATAWHAI DRIVE	BROOKLANDS ROAD	BRANCH TO SH 6	Secondary Collector	Gap	2.1
ATAWHAI DRIVE	BRANCH TO SH 6	PAREMATA STREET	Secondary Collector	Gap	3.4
ATAWHAI DRIVE	PAREMATA STREET	MALVERN AVENUE	Secondary Collector	Gap	2.1
ATAWHAI DRIVE BRANCH TO SH	ATAWHAI DRIVE	BACK OF CENTRAL TRAFFIC	Access	Gap	5.4
COLLINGWOOD STREET ROUND	GROVE STREET WEST APPRO	GROVE STREET WEST APPRC	No Data	No Data	
HARDY STREET (WEST)	KERR STREET	RUTHERFORD STREET	Arterial	Gap	7.2
BOULDER BANK DRIVE	END OF SEAL	GATE	No Data	No Data	
PRINCES DRIVE	END OF CONSTRUCTION PRE	END ON 2019 CONSTRUCTIC	Low Volume	No Data	
			Low Volume	No Data	
			Low Volume	No Data	
			Low Volume	No Data	
			Low Volume	No Data	
			Low Volume	No Data	
			Low Volume	No Data	
SH6 ON RAMP			No Data	No Data	
GRACEFIELD STREET	GREAT TASTE SOUTH	STAFFORD AVENUE	Access	Gap	1.3
GRACEFIELD STREET	GREAT TASTE NORTH	GREAT TASTE SOUTH	Access	Gap	6.5

RAMM Output			Possible cycleway Gap
road_name	start_name	end_name	Known Cycleway Gaps by Zone
VANGUARD STREET	MOTUEKA STREET	END	Gap
MOTUEKA STREET	VANGUARD STREET	TIPAHI STREET	Gap
MOTUEKA STREET	TIPAHI STREET	KAWAI STREET (SOUTH)	Gap
TIPAHI STREET	MOTUEKA ST	TUKUKA ST	Gap
TUKUKA STREET	START (WEST END)	TIPAHI STREET	Gap
WAIMEA ROAD	VAN DIEMAN STREET	HAMPDEN STREET	Gap
WAIMEA ROAD	HAMPDEN STREET	FRANKLYN STREET	Gap
WAIMEA ROAD	FRANKLYN STREET	MOTUEKA STREET	Gap
WAIMEA ROAD	MOTUEKA STREET	TUKUKA STREET	Gap
WAIMEA ROAD	TUKUKA STREET	BOUNDARY ROAD	Gap
WAIMEA ROAD	BOUNDARY ROAD	MARKET ROAD	Gap
SH 6 WAKEFIELD QUAY	ERP 0.62- @ COLLINS ST	RICHARDSON ST	Gap
SH 6 ROCKS ROAD	RICHARDSON STREET	START OF FOOTPATH LHS	Gap
SH 6 ROCKS ROAD	START OF FOOTPATH LHS	BEACH ROAD	Gap
SHARED RAILWAY RTE 01-01 TUKUKA	SHARED RAILWAY RTE 01 BISI	TUKUKA ST	Gap
WAIMEA ROAD	MARKET ROAD	DUAL RHS LANES START	Gap
WAIMEA ROAD	DUAL RHS LANES START	DUAL LHS LANES END	Gap
WAIMEA ROAD	DUAL LHS LANES END	BEATSON ROAD (NORTH END)	Gap
MOTUEKA STREET	KAWAI STREET (SOUTH)	WAIMEA ROAD	Gap
SHARED VANGUARD TO RAILWAY RESERVE	VANGUARD STREET	SHARED RAILWAY RESERVE	Gap

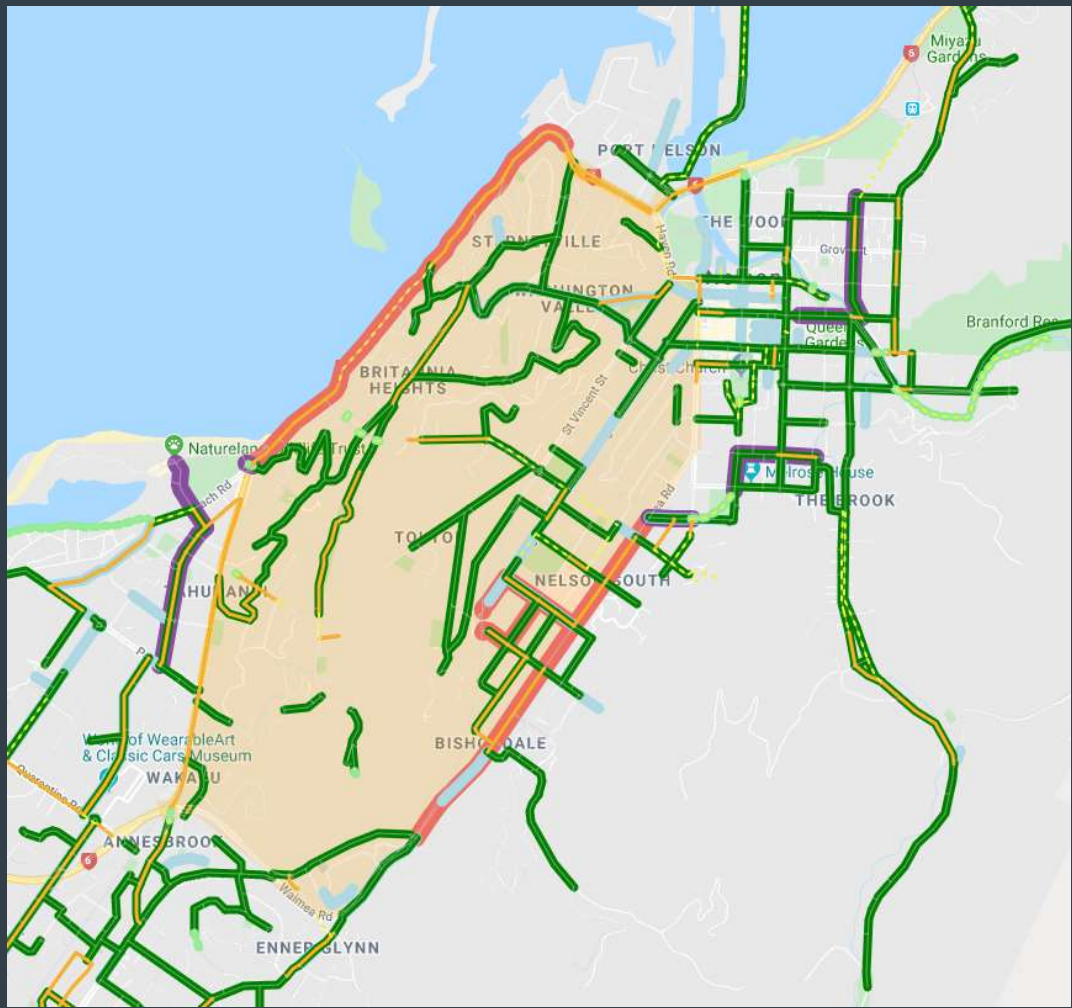
RAMM Output				Footpath RAMM_LDM Gap Analysis	
road_name	onrc	start_name	end_name	Footpath RAMM / LDM	Footpath Min Gap (m)
TOI TOI STREET	Secondary Collector	ABRAHAM HEIGHTS	MONTREAL ROAD	Gap	0.1
TOI TOI STREET	Primary Collector	MONTREAL ROAD	VOSPER STREET	No RAMM Data	
HASTINGS STREET	Access	ST VINCENT ST	PIONEER CRESCENT	Gap	0.4
PRINCES DRIVE	Primary Collector	RICHARDSON ST	QUEBEC ROAD	Gap	0.1
OBSERVATORY TERRACE	Low Volume	PRINCES DR	END	Gap	1.5
TOSSWILL ROAD	Secondary Collector	STATE HIGHWAY 6	CHAMBERLAIN STREET	Gap	0.2
TOSSWILL ROAD	Secondary Collector	CHAMBERLAIN STREET	TAMAKI STREET	Gap	0.3
TAMAKI STREET	Low Volume	START (BOTTOM)	TOSSWILL ROAD	Gap	0.2
TAMAKI STREET	Access	TOSSWILL ROAD	ORAKEI STREET	Gap	0.1
VANGUARD STREET	Primary Collector	TOI TOI STREET	TOTARA STREET	Gap	0.1
VANGUARD STREET	Primary Collector	FRANKLYN STREET	ROAD NARROWS	No RAMM Data	
MOTUEKA STREET	Primary Collector	VANGUARD STREET	TIPAHI STREET	Gap	0.2
MOTUEKA STREET	Primary Collector	TIPAHI STREET	KAWAI STREET (SOUTH)	Gap	0.5
FRANKLYN STREET	Primary Collector	VANGUARD ST	TIPAHI ST	No RAMM Data	
FRANKLYN STREET	Primary Collector	TIPAHI ST	KAWAI ST	Gap	0.1
KAWAI STREET (NORTH)	Access	ALFRED ST	FRANKLYN ST	No RAMM Data	
KAWAI STREET (SOUTH)	Secondary Collector	TUKUKA ST	TIPAHI ST	Gap	0.3
KAWAI STREET (SOUTH)	Secondary Collector	TIPAHI ST	BOUNDRY RD	Gap	0.2
TUKUKA STREET	Secondary Collector	START (WEST END)	TIPAHI STREET	Gap	0.1
TUKUKA STREET	Secondary Collector	TIPAHI STREET	KAWAI STREET SOUTH	Gap	0.1
HAMPDEN STREET	Access	START	KAWAI ST	No RAMM Data	
BOUNDARY ROAD	Secondary Collector	WAIMEA RD	KAWAI ST SOUTH	Gap	0.2
RUTHERFORD STREET	Regional	HALIFAX STREET	ACHILLES AVENUE	Gap	0.7
RUTHERFORD STREET	Regional	BRIDGE STREET	HARDY STREET	No RAMM Data	
WAIMEA ROAD	Regional	HAMPDEN STREET	FRANKLYN STREET	Gap	0.5
WAIMEA ROAD	Regional	FRANKLYN STREET	MOTUEKA STREET	Gap	0.5
WAIMEA ROAD	Regional	TUKUKA STREET	BOUNDARY ROAD	Gap	0.5
WAIMEA ROAD	Regional	BOUNDARY ROAD	MARKET ROAD	Gap	0.5
HALIFAX STREET	Regional	HAVEN RD	RUTHERFORD ST	Gap	0.4
HAVEN ROAD (ARTERIAL, SOUTH)	Regional	HALIFAX ST	QUEEN ELIZABETH II DRIVE	No RAMM Data	
JENKINS PLACE	Low Volume	BEATSON RD	END	Gap	1.5
SH 6 HAVEN ROAD (NORTHBOUN	Regional	RS 116 @ HAVEN RD R-ABOU ERP 0.62 - @ COLLINS ST		Gap	1.4
SH 6 HAVEN ROAD (SOUTHBOUN	Regional	RS 116 @ HAVEN RD R-ABOU ERP 0.62 - @ COLLINS ST		Gap	1.4
SH 6 WAKEFIELD QUAY	Regional	ERP 0.62- @ COLLINS ST	RICHARDSON ST	Gap	0.4
SH 6 ROCKS ROAD	Regional	RICHARDSON STREET	START OF FOOTPATH LHS	No RAMM Data	
SH 6 ROCKS ROAD	Regional	START OF FOOTPATH LHS	BEACH ROAD	Gap	0.5
SH 6 TAHUNANUI DRIVE	Regional	RUI STREET	TOSSWILL RD	Gap	0.5

RAMM Output				Footpath RAMM_LDM Gap Analysis	
road_name	onrc	start_name	end_name	Footpath RAMM / LDM	Footpath Min Gap (m)
SH 6 TAHUNANUI DRIVE	Regional	ROAD WIDENS AT SUMP LHS	PARKERS RD	Gap	0.3
SH 6 ANNESBROOK DRIVE	Regional	PARKERS RD	CL WHAKATU DR AT R/ABT	Gap	0.6
PRINCES DRIVE	Primary Collector	QUEBEC ROAD	MOANA AVENUE	Gap	0.1
SH 6 TAHUNANUI DRIVE	Regional	MURITAI STREET	RUI STREET	Gap	0.1
TOI TOI STREET	Low Volume	BANFF WAY	TOI TOI STREET ROUNDABO	Gap	1.5
TOI TOI STREET	Primary Collector	VOSPER STREET	RIMU STREET	No RAMM Data	
TOI TOI STREET	Primary Collector	RIMU STREET	EMANO STREET	No RAMM Data	
TOI TOI STREET	Arterial	GORRIE STREET	VANGUARD STREET	No RAMM Data	
TAMAKI STREET	Access	ORAKEI STREET	RANGIORA TERRACE	No RAMM Data	
TAMAKI STREET	Access	RANGIORA TERRACE	END (TOP)	No RAMM Data	
ST VINCENT STREET	Arterial	HAVEN ROAD (PARKING PREC	HASTINGS STREET	Gap	0.2
RUTHERFORD STREET	Regional	SELWYN PLACE	NILE STREET WEST	Gap	0.2
RUTHERFORD STREET	Regional	ACHILLES AVENUE	VANGUARD STREET	Gap	0.7
PRINCES DRIVE	Secondary Collector	ROAD WIDENS	OBSERVATORY TERRACE	No RAMM Data	
PRINCES DRIVE	Secondary Collector	ROAD NARROWS	ROAD WIDENS	Gap	0.2
MOTUEKA STREET	Primary Collector	KAWAI STREET (SOUTH)	WAIMEA ROAD	Gap	0.4
				No RAMM Data	
				No RAMM Data	
				No RAMM Data	
				No RAMM Data	
SH 6 TAHUNANUI DRIVE	Regional	TOSSILL RD	ROAD WIDENS AT SUMP LH!	Gap	0.5
GRACEFIELD STREET	Secondary Collector	GREAT TASTE NORTH	GREAT TASTE SOUTH	Gap	0.2

RAMM Output			HCV ONRC Cal	Zoning	HCV_ONRC Gap Analysis	NCC Adopted ONRC_ONRC Gap Analysis		AADT ONRC Gap Analysis
road_name	start_name	end_name	ONRC_HCV_Calc	Zone ACTUAL	HCV ONRC Calc / RAMM	NCC_adopted_ONRC	Ramm_ONRC / NCC_adopted_ONRC	AADT ONRC Cal / RAMM
EMANO STREET	TOI TOI STREET	PIKO STREET	Primary Collector	Zone1		Secondary Collector	Gap	Secondary Collector
BRITANNIA HEIGHTS	VICTORIA HGTS	WASHINGTON RD	Secondary Collector	Zone1		Access	Gap	Secondary Collector
MAORI ROAD	HAVEN RD		Secondary Collector	Zone1		Access	Gap	Access
WHITBY ROAD	RICHARDSON ST	END	Secondary Collector	Zone1		Access	Gap	Access
STANSELL AVENUE	TOSSWILL ROAD	CHANGE IN CARRIAGEWAY	Secondary Collector	Zone1		Low Volume	Gap	Access
MAIRE STREET	ANNESBROOK DRIVE	CHAMBERLAIN STREET	Low Volume / Access	Zone1	Secondary Collector	Access	Gap	Access
ST VINCENT STREET	GLOUCESTER STREET	PARERE STREET	Primary Collector	Zone1	Arterial	Primary Collector	Gap	Arterial
ST VINCENT STREET	PARERE STREET	TOI TOI STREET	Arterial	Zone1		Primary Collector	Gap	Arterial
NATALIE STREET	ST VINCENT ST	END	Secondary Collector	Zone1		Access	Gap	Access
FRANKLYN STREET	WAIMEA RD	END AT JUDDER BAR	Secondary Collector			Access	Gap	Access
BRUNNER STREET	TUKUKA STREET	START OF SPEED BUMP 2	Low Volume / Access			Secondary Collector	Gap	Access
MARKET ROAD	TRUCK SIGN	QUARRY GATE	Low Volume / Access		Secondary Collector	Primary Collector	Gap	Access
ST VINCENT STREET ROUNDABO	GLOUCESTER STREET	GLOUCESTER STREET	Regional	Zone1	Arterial		Gap	Regional
BLICK TERRACE	BROOK ST	WESTBROOK TCE	Secondary Collector			Access	Gap	Access
SOVEREIGN STREET	COLLINGWOOD STREET	DUNDAS STREET	Secondary Collector			Access	Gap	Access
NORTH ROAD	WEKA ST	START KERB LHS	Secondary Collector			Access	Gap	Secondary Collector
WEKA STREET	COLLINGWOOD ST	NORTH RD	Secondary Collector			Primary Collector	Gap	Secondary Collector
WAIMEA ROAD	BEATSON ROAD (NORTH EN	ULSTER STREET	National	Zone1	Primary Collector	Regional	Gap	Regional
TUI GLEN ROAD	ATAWHAI DR	END	Low Volume / Access		Secondary Collector	Access	Gap	Access
ATAWHAI CRESCENT	STATE HIGHWAY 6, SOUTH E	DODSON VALLEY ROAD	Primary Collector			Secondary Collector	Gap	Secondary Collector
RAINBOW DRIVE	ATAWHAI CRES	END	Low Volume / Access		Secondary Collector	Access	Gap	Access
JACKSON STREET	MARYBANK ROAD	WASTNEY TERRACE	Secondary Collector			Access	Gap	Access
AIRLIE STREET	ATHOL ST	END TONKS L/BOX	Low Volume / Access			Secondary Collector	Gap	Low Volume
NORTH ROAD	START KERB LHS	END	Secondary Collector			Access	Gap	Access
SH 6 ATAWHAI DRIVE	TODD BUSH ROAD	BOULDER BANK DRIVE	Secondary Collector		Regional		0 Gap	Primary Collector
SH 6 QUEEN ELIZABETH II DRIVE	ERP 13.75 - @ ATAWHAI DR	TRAFALGAR ST	Regional				0 Gap	Arterial
SH 6 HAVEN ROAD ROUNDABOL	HAVEN ROAD	HAVEN ROAD	National	Zone1	Regional		0 Gap	Regional
SH 6 HAVEN ROAD (NORTHBOUI	RS 116 @ HAVEN RD R-ABOL	ERP 0.62 - @ COLLINS ST	Regional	Zone1			0 Gap	Arterial
SH 6 HAVEN ROAD (SOUTHBOUI	RS 116 @ HAVEN RD R-ABOL	ERP 0.62 - @ COLLINS ST	Regional	Zone1			0 Gap	Arterial
SH 6 WAKEFIELD QUAY	ERP 0.62- @ COLLINS ST	RICHARDSON ST	National	Zone1	Regional		0 Gap	Regional
SH 6 ROCKS ROAD	RICHARDSON STREET	START OF FOOTPATH LHS	Regional	Zone1			0 Gap	Regional
SH 6 ROCKS ROAD	START OF FOOTPATH LHS	BEACH ROAD	National	Zone1	Regional		0 Gap	Regional
SH 6 TAHUNANUI DRIVE	BEACH ROAD	MURITAI STREET	Regional	Zone1			0 Gap	Regional
SH 6 TAHUNANUI DRIVE	RUI STREET	TOSSWILL RD	National	Zone1	Regional		0 Gap	Regional
SH 6 TAHUNANUI DRIVE	ROAD WIDENS AT SUMP LHS	PARKERS RD	National	Zone1	Regional		0 Gap	Regional
SH 6 ANNESBROOK DRIVE	PARKERS RD	CL WHAKATU DR AT R/ABT	Regional	Zone1			0 Gap	Arterial
ATAWHAI DRIVE	BRANCH TO SH 6	BROOKLANDS ROAD	Secondary Collector			Primary Collector	Gap	Secondary Collector
WALTERS BLUFF	ATAWHAI DRIVE	DAVIES DRIVE	Low Volume / Access		Secondary Collector	Access	Gap	Access
TEAL VALLEY ROAD	END OF SEAL	GATE	Low Volume / Access				Gap	Low Volume
WINDSOR DRIVE	PRINCES DRIVE	ZEEHAEN PLACE	Secondary Collector	Zone1		Access	Gap	Access
SH 6 WHAKATU DRIVE	START MED CABLE BARRIER	LINK RD ROUNDABOUT CEN	Regional				0 Gap	Regional
SH 6 ANNESBROOK DRIVE OFF R	ANNESBROOK R/A GWAY	SUMP LHS END 4 LANES	Regional	Zone1			0 Gap	Regional
SH 6 ANNESBROOK DRIVE OFF R	SUMP LHS END 4 LANES	WAIMEA R/A CENTRE	Regional	Zone1			0 Gap	Regional
SH 6 WHAKATU DRIVE OFF RAM	C LINE RAMP TO CHAMPION	GWAY AT LINK R/A WHAKA	Primary Collector		Regional		0 Gap	Arterial
FRENCHAY DRIVE	DODSON VALLEY ROAD	FARLEIGH STREET	Secondary Collector			Access	Gap	Access
FRENCHAY DRIVE	FARLEIGH STREET	BURNSIDE TERRACE	Low Volume / Access		Secondary Collector	Access	Gap	Access
FRENCHAY DRIVE	BURNSIDE TERRACE	DEVENISH PLACE	Low Volume / Access			Low Volume	Gap	Access
ACHILLES TO TRAFALGAR (WALK	TRAFALGAR STREET	WAKATU CARPARK				Not applicable	Gap	No Data
PRINCES TO TAMAKI (WALKWAY	PRINCES DRIVE (RP 2162)	TAMAKI STREET (RP 368)				Not applicable	Gap	No Data
SH 6 TAHUNANUI DRIVE	MURITAI STREET	RUI STREET	National	Zone1	Regional		0 Gap	Regional
SH 6 ATAWHAI DRIVE	BOULDER BANK DRIVE	ALLISDAIR STREET	Secondary Collector		Regional		0 Gap	Primary Collector
SH 6 ATAWHAI DRIVE	ALLISDAIR STREET	TRESSILLIAN AVENUE (ENTR	Primary Collector		Regional		0 Gap	Primary Collector
SH 6 ATAWHAI DRIVE	TRESSILLIAN AVENUE (ENTR	TRESSILLIAN AVENUE	Primary Collector		Regional		0 Gap	Primary Collector
SH 6 ATAWHAI DRIVE	TRESSILLIAN AVENUE	CLIFTON PLACE (EXIT ONLY)	Primary Collector		Regional		0 Gap	Arterial
SH 6 ATAWHAI DRIVE	CLIFTON PLACE (EXIT ONLY)	ATAWHAI DRIVE LOOP ROA	Primary Collector		Regional		0 Gap	Arterial
SH 6 ATAWHAI DRIVE	ATAWHAI DRIVE LOOP ROAD	MARYBANK ROAD	Arterial		Regional		0 Gap	Arterial
SH 6 ATAWHAI DRIVE	MARYBANK ROAD	ATAWHAI CRESCENT (NORT	Arterial		Regional		0 Gap	Arterial
SH 6 ATAWHAI DRIVE	ATAWHAI CRESCENT (NORTH	ATAWHAI CRESCENT (SOUT	Regional				0 Gap	Arterial
SH 6 ATAWHAI DRIVE	ATAWHAI CRESCENT (SOUTH	TUI GLEN ROAD	Regional				0 Gap	Arterial
SH 6 ATAWHAI DRIVE	TUI GLEN ROAD	ATAWHAI DRIVE LOOP ROA	Regional				0 Gap	Arterial
SH 6 ATAWHAI DRIVE	ATAWHAI DRIVE LOOP ROAD	ATAWHAI DRIVE LOOP ROA	Regional				0 Gap	Arterial
SH 6 ATAWHAI DRIVE	ATAWHAI DRIVE LOOP ROAD	BAYVIEW ROAD	Regional				0 Gap	Arterial
SH 6 ATAWHAI DRIVE	BAYVIEW ROAD	MALVERN AVENUE	Regional				0 Gap	Arterial






RAMM Output			HCV ONRC Cal	Zoning	HCV_ONRC Gap Analysis	NCC Adopted ONRC_ONRC Gap Analysis		AADT ONRC Gap Analysis
road_name	start_name	end_name	ONRC_HCV_Calc	Zone ACTUAL	HCV ONRC Calc / RAMM	NCC_adopted_ONRC	Ramm_ONRC / NCC_adopted_ONRC	AADT ONRC Cal / RAMM
DAELYN DRIVE	TARANAKI PLACE	START OF BRICK PAVERS	Secondary Collector			Access	Gap	Access
STANSELL AVENUE	CHANGE IN CARRIAGEWAY	M CDS	Secondary Collector	Zone1		Low Volume	Gap	Access
BISHOPDALE AVENUE	CLIFFORD AVENUE	VISTA DRIVE	Secondary Collector			Access	Gap	Secondary Collector
SH 6 WAKAPUAKA ROAD	ROSS ROAD	TODD BUSH ROAD	Secondary Collector		Regional		0 Gap	Primary Collector
WALTERS BLUFF	DAVIES DRIVE	END	Secondary Collector			Low Volume	Gap	Access
TOI TOI STREET	ST VINCENT STREET	GORRIE STREET	Arterial	Zone1		Primary Collector	Gap	Arterial
TOI TOI STREET	GORRIE STREET	VANGUARD STREET	Primary Collector	Zone1	Arterial	Primary Collector	Gap	Arterial
SOVEREIGN STREET	DUNDAS STREET	END OF END RAMP OF SHAF	Secondary Collector			Access	Gap	Access
GENERAL AREA						Not applicable	Gap	No Data
ST VINCENT STREET	HAVEN ROAD (PARKING PREC	HASTINGS STREET	Regional	Zone1	Arterial	Primary Collector	Gap	Arterial
EMANO STREET	PIKO STREET	MURPHY ST	Primary Collector	Zone1		Secondary Collector	Gap	Secondary Collector
WELLINGTON STREET	UPPER EXAMINER STREET	MOUNT STREET	Secondary Collector	Zone1		Access	Gap	Access
BRUNNER STREET	START OF SPEED BUMP 2	MARKET ROAD	Low Volume / Access			Secondary Collector	Gap	Access
SH 6 RICHMOND DEVIATION	SALISBURY ROAD LINK	QUEEN STREET			Regional		0 Gap	No Data
SH 6 GLADSTONE ROAD	QUEEN STREET	END			Regional		0 Gap	No Data
OMAHU WAY	MOTUEKA STREET	END				Low Volume	Gap	No Data
MAITAI (WALKWAY)						Not applicable	Gap	No Data
TRESILLIAN AVENUE	ELLENDALE STREET	MCCONNELL PLACE	Low Volume / Access			Low Volume	Gap	Access
WAIMEA ROAD	ULSTER STREET	THE RIDGEWAY		Zone1	Primary Collector	Regional	Gap	Arterial
BROOK STREET	SEYMOUR AVENUE	BLICK TERRACE	Secondary Collector			Primary Collector	Gap	Secondary Collector
ROSS ROAD	PRIVATE ACCESS, RHS	END OF SEAL	Low Volume / Access			Access	Gap	Low Volume
MANUKA STREET	HARPER STREET	42 M EAST OF HARPER STR	Low Volume / Access			Secondary Collector	Gap	Access
NGATI RARUA STREET	MAKO STREET	END OF 2015 CONSTRUCTION	Low Volume / Access			Access	Gap	Low Volume
MAKO STREET	START OF 2015 CONSTRUCTION	NGATI RARUA STREET	Low Volume / Access			Access	Gap	Low Volume
ITI LANE	END OF 2011 CONSTRUCTION	START OF 2015 CONSTRUCTION				Access	Gap	No Data
MARINO GROVE	END OF 2011 CONSTRUCTION	START OF 2015 CONSTRUCTION				Access	Gap	No Data
MARINO GROVE	START OF 2015 CONSTRUCTION	NGATI RARUA STREET	Low Volume / Access			Access	Gap	Low Volume
ITI LANE	START OF 2015 CONSTRUCTION	NGATI RARUA STREET	Low Volume / Access			Access	Gap	Low Volume
TRESILLIAN AVENUE	MCCONNELL PLACE	JACKSON STREET	Low Volume / Access			Secondary Collector	Gap	Access
ATAWHAI DRIVE BRANCH TO SH	ATAWHAI DRIVE	BACK OF CENTRAL TRAFFIC	Secondary Collector			Primary Collector	Gap	Access
COLLINGWOOD STREET ROUND						Primary Collector	Gap	No Data
LANDFILL ROAD	MARKET ROAD	END	Low Volume / Access				0 Gap	Low Volume
DAELYN DRIVE	MARIONBERRY LANE	END OF 2017 CONSTRUCTION	Low Volume / Access				Gap	Access
MARIONBERRY LANE	DAELYN DRIVE	START OF TURNING CYCLE	Low Volume / Access				Gap	Low Volume
MARIONBERRY LANE	START OF TURNING CYCLE	END OF TURNING CYCLE			Low Volume		Gap	No Data
SH 6 WAKAPUAKA ROAD BUS ST	SH 6 WAKAPUKA RD BUS ST	TODD BUSH ROAD					Gap	No Data
SH6 TAHUNANUI DR TO TAMAKI	SH6 TAHUNANUI DRIVE	TAMAKI ST		Zone1			Gap	No Data
POTTERIES WAY	BISHOPDALE AVE	CAU-DE-SAC	Low Volume / Access				Gap	Low Volume
KAPURANGI AVENUE	MAKO STREET	CAL-DE-SAC	Low Volume / Access				0 Gap	Low Volume
KAKANO LANE	DAELYN DRIVE	CONCRETE START	Low Volume / Access				Gap	Low Volume
KAKANO LANE	AC START	PAVERS			Low Volume		Gap	No Data
KAKANO LANE	PAVERS	AC START			Low Volume		Gap	No Data
KAKANO LANE	CONCRETE START	PAVERS			Low Volume		Gap	No Data
KAKANO LANE	PAVERS	CAL DE SAC			Low Volume		Gap	No Data
KAKANO LANE	CAL DE SAC	CAL-DE-SAC			Low Volume		Gap	No Data
SH 6 TAHUNANUI DRIVE	TOSSILL RD	ROAD WIDENS AT SUMP LH	National	Zone1	Regional		Gap	Regional
GRACEFIELD STREET	GREAT TASTE SOUTH	STAFFORD AVENUE	Low Volume / Access	Zone1	Secondary Collector		Gap	Access
GRACEFIELD STREET	GREAT TASTE NORTH	GREAT TASTE SOUTH	Low Volume / Access	Zone1	Secondary Collector		Gap	Access

Network Operating Gaps— All gaps



- Cycling Zone 1 GAP
- Cycling Zone 2 GAP
- ONRC GAP
- Width GAP
- Width No Data
- Footpath GAP
- Footpath No Data

Functional Level of Service – Nelson Future Access

reducing performance ↓	Level of Service	 Public Transport	 Walking/Mobility Scooter <10km/h ¹	 Cycling/Micro Mobility >10km/h	 Freight ²	 General Traffic (incl commuter and tourism) ³
	A	10 min frequency during peak, 30 min frequency interpeak. <ul style="list-style-type: none"> Always runs to timetable Express service Prioritised over other modes Primary	Width 3 m and above. Minimal crossing delay.	High degree of separation, minimal delay on smooth surface. Such as: <ul style="list-style-type: none"> Bicycle facility off-road or well separated from traffic lanes. Minimal conflict with other traffic at intersections; or A neighbourhood greenway where no through traffic exists and cycles have priority at intersections On asphalt or concrete surface Primary	No intersection delay. No variability. Congestion free between intersections <ul style="list-style-type: none"> HPMV Over dimension Over weight Resilient to all but extreme events natural or man-made.	No intersection delay. No variability. Congestion free between intersections Resilient to all but extreme events natural or man-made.
	B	15 min frequency during peak, 30 min frequency interpeak. Always runs to timetable <ul style="list-style-type: none"> Always runs to timetable Prioritised over other modes 	2m width. Crossings controlled by signals or zebras. Average crossing delay is 30 sec. Primary	Well separated at midblock with some conflict at intersections on a smooth surface. Such as: <ul style="list-style-type: none"> Bicycle facility well separated on an arterial road and some conflict with other traffic at intersections, but no roundabouts; or A neighbourhood greenway; or Off-road path with conflict at road crossings. On asphalt or concrete surface Secondary	Minimal intersection delay, less than 1 min, congestion free between intersections except in rare circumstances HPMV <ul style="list-style-type: none"> Over dimension Over weight Primary Resilient to severe events, natural or man-made.	Minimal intersection delay, less than 1 min, congestion free between intersections except in rare circumstances Resilient to severe events natural or man-made.
	C	15 min frequency during peak, 1-hour frequency interpeak. Slight manoeuvring restrictions	2m width. Crossings controlled by refuges. Average crossing delay is 45 sec. Maybe a shared path Secondary	Continuous route that is not separated. Such as: <ul style="list-style-type: none"> Continuous on road cycle lanes; or Shared path facilities (not separated) Asphalt or concrete surface; or Meets LoS A or B criteria but has chipseal surface 	Held up at intersection for 1-2 mins, congestion at peak times <ul style="list-style-type: none"> 50 Max Over dimension Over weight Secondary May be disrupted during severe events, natural or man-made	Held up at intersection for 1-2 mins, congestion at peak times May be disrupted during severe events natural or man-made. ONRC Regional
	D	30 min frequency during peak. 1-hour frequency interpeak Secondary	1.5m width. Average crossing delay is less than 60 sec. Maybe a shared path or shared zone	Partial non-separated route: Such as: <ul style="list-style-type: none"> On road bicycle lanes but no lane approaching major intersections; or Bikes share local road with low speed traffic. Meets LoS C criteria but has chipseal 	Held up at intersection for 2-3 mins, congestion at peak times between intersections <ul style="list-style-type: none"> 50 Max Over dimension Over weight May be disrupted during events, natural or man-made	Held up at intersection for 2-3 mins, congestion at peak times between intersections May be disrupted during events, natural or man-made ONRC Arterial
	E	30 min frequency during peak. 2-hour frequency interpeak	1.5m width. Average crossing delay is less than 90 sec. Maybe a shared path or shared zone	Bicycles share traffic lanes. <ul style="list-style-type: none"> Wide kerbside lanes on arterial road; or Bikes share local road with high speed traffic 	Held up at intersection for 3-4 mins, often congested between intersections. <ul style="list-style-type: none"> 50 Max Over dimension Over weight Often disrupted during events, natural or man-made	Held up at intersection for 3-4 mins, often congested between intersections Often disrupted during events, natural or man-made ONRC Primary Collector ONRC Secondary Collector ONRC Access
	F	3 services per day.	1.5m width. Average crossing delay is more than 90 sec. Maybe a shared path or shared zone	No special bicycle facility. Such as: <ul style="list-style-type: none"> On arterial and/or high speed road environment 	Held up at intersections for more than 4 mins, often congested between intersections. Often disrupted during events, natural or man-made	Held up at intersections for more than 4 mins, often congested between intersections Often disrupted during events, natural or man-made

¹ Footpath width is used as a proxy for walking level of service

² Intersection delay based on peak hour

³ Intersection delay based on peak hour

Purpose of Functional Level of Service Chart

Within the context of NFAP, the *Functional Levels of Service* shown above are solely to identify and prioritise the most significant areas for potential improvement on the network and guide trade-offs between modes where these need to be made.

The notional levels of service have been defined across the range of users including general traffic, freight, public transport users, pedestrians, and cyclists.

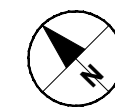
The identified (Bolded 'Primary' / 'Secondary' or 'ONRC' Hierarchy) levels of service will be used to identify and prioritise the gap that currently exists for each mode within the network. The prioritised gaps will inform where specific interventions should be targeted.

For example, presently the long list includes an intervention 'Priority Lanes (Public transport and freight and High occupancy vehicles) through the provision of an additional lane.' The functional levels of service inform where on the network priority lanes could be most effective and therefore be considered for implementation.

The notional Functional Levels of Service are not intended to determine design standards or target levels of service for possible interventions.

Cycling Hierarchy Legend




- Primary Cycling Route
- Secondary Cycling Route
- Project Area



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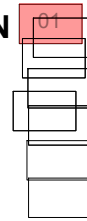
Cycling Hierarchy Legend

-  Primary Cycling Route
-  Secondary Cycling Route
-  Project Area






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Cycling Hierarchy Legend

-  Primary Cycling Route
-  Secondary Cycling Route
-  Project Area

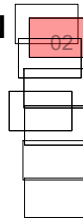


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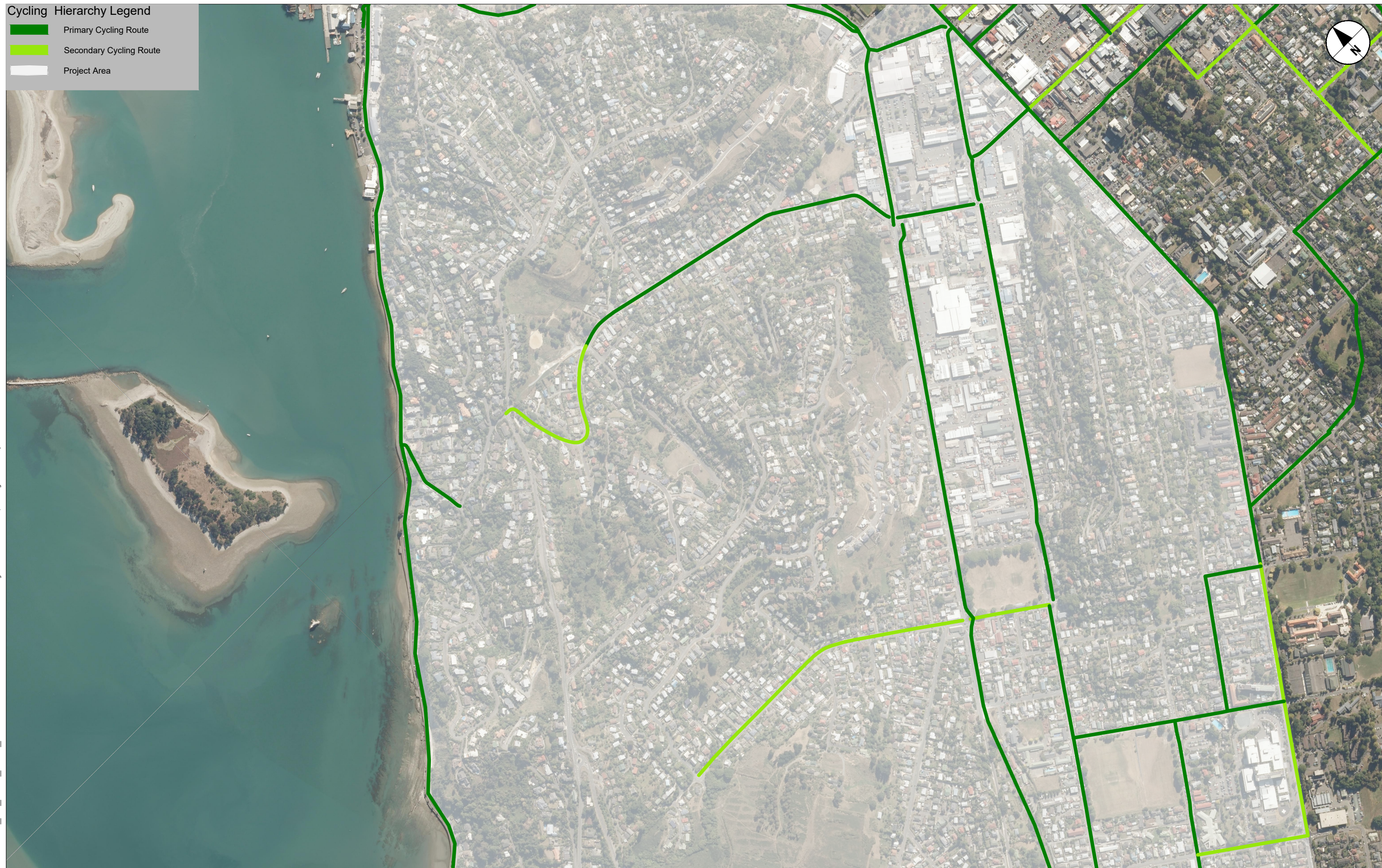


KEY PLAN



Cycling Hierarchy Legend

-  Primary Cycling Route
-  Secondary Cycling Route
-  Project Area

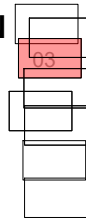


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


FOR INFORMATION ONLY

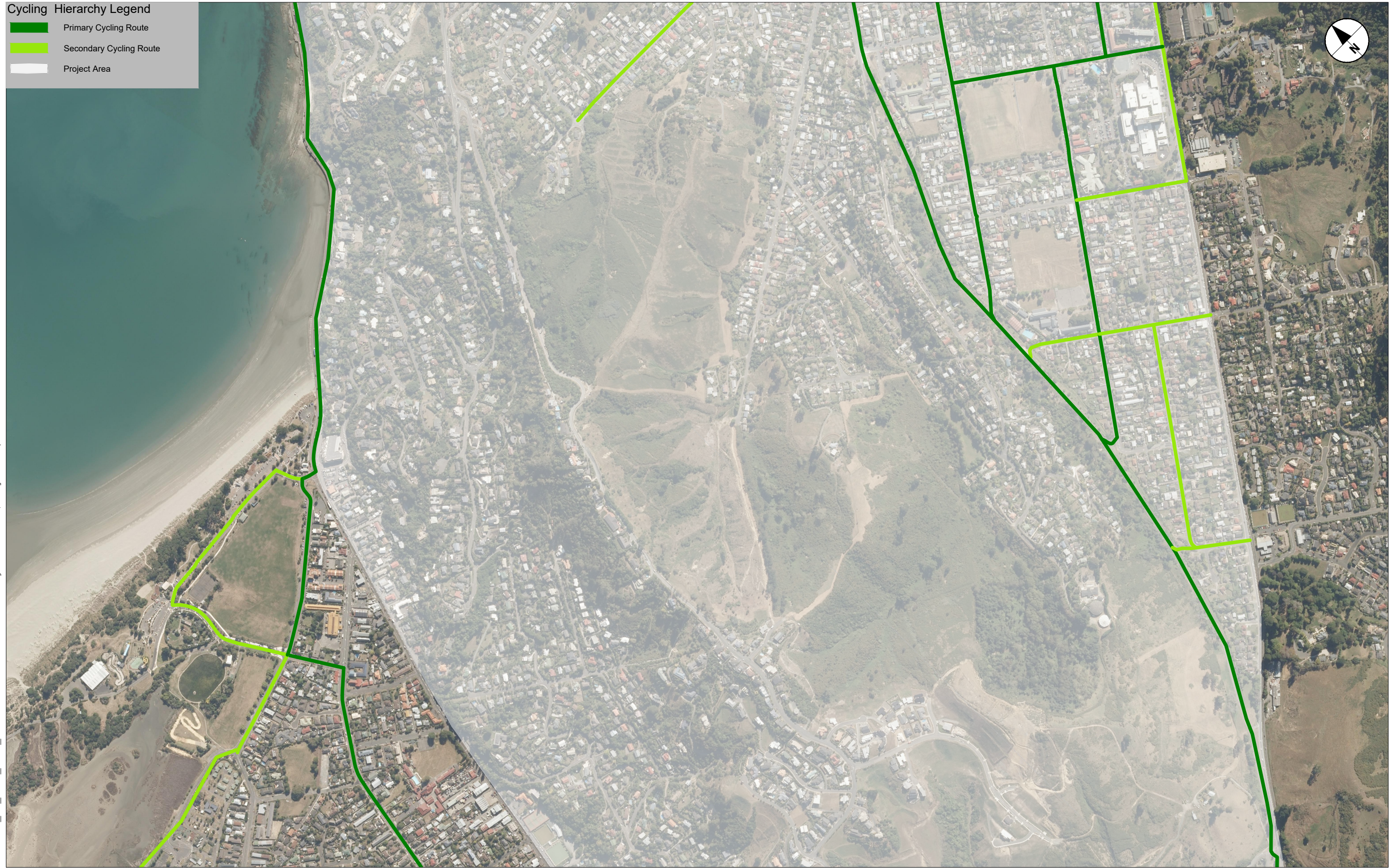


KEY PLAN



Cycling Hierarchy Legend

-  Primary Cycling Route
-  Secondary Cycling Route
-  Project Area

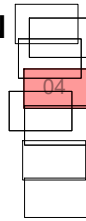


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
FOR INFORMATION ONLY



KEY PLAN



Cycling Hierarchy Legend

-  Primary Cycling Route
-  Secondary Cycling Route
-  Project Area

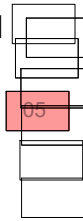


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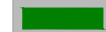


FOR INFORMATION ONLY



KEY PLAN



Cycling Hierarchy Legend

-  Primary Cycling Route
-  Secondary Cycling Route
-  Project Area

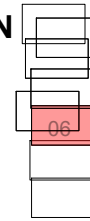


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FOR INFORMATION ONLY



KEY PLAN



Cycling Hierarchy Legend

-  Primary Cycling Route
-  Secondary Cycling Route
-  Project Area

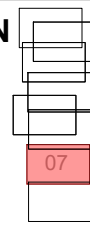


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KEY PLAN



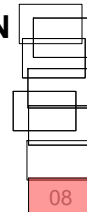
Cycling Hierarchy Legend

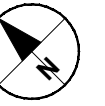
- Primary Cycling Route
- Secondary Cycling Route
- Project Area





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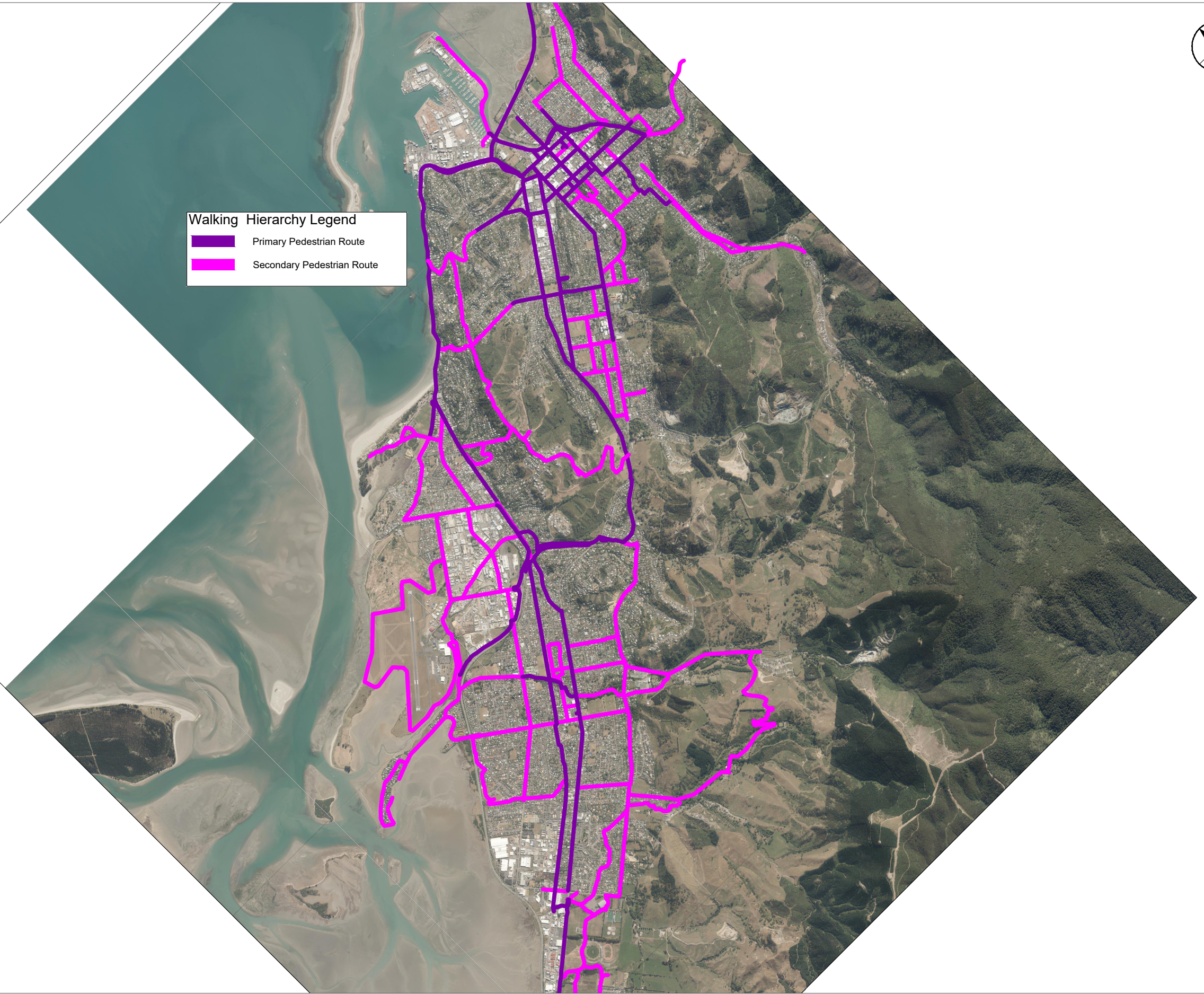
FOR INFORMATION ONLY





Walking Hierarchy Legend

-  Primary Pedestrian Route
-  Secondary Pedestrian Route

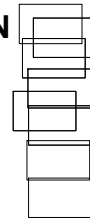


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FOR INFORMATION ONLY



KEY PLAN



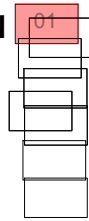
Walking Hierarchy Legend

-  Primary Pedestrian Route
-  Secondary Pedestrian Route



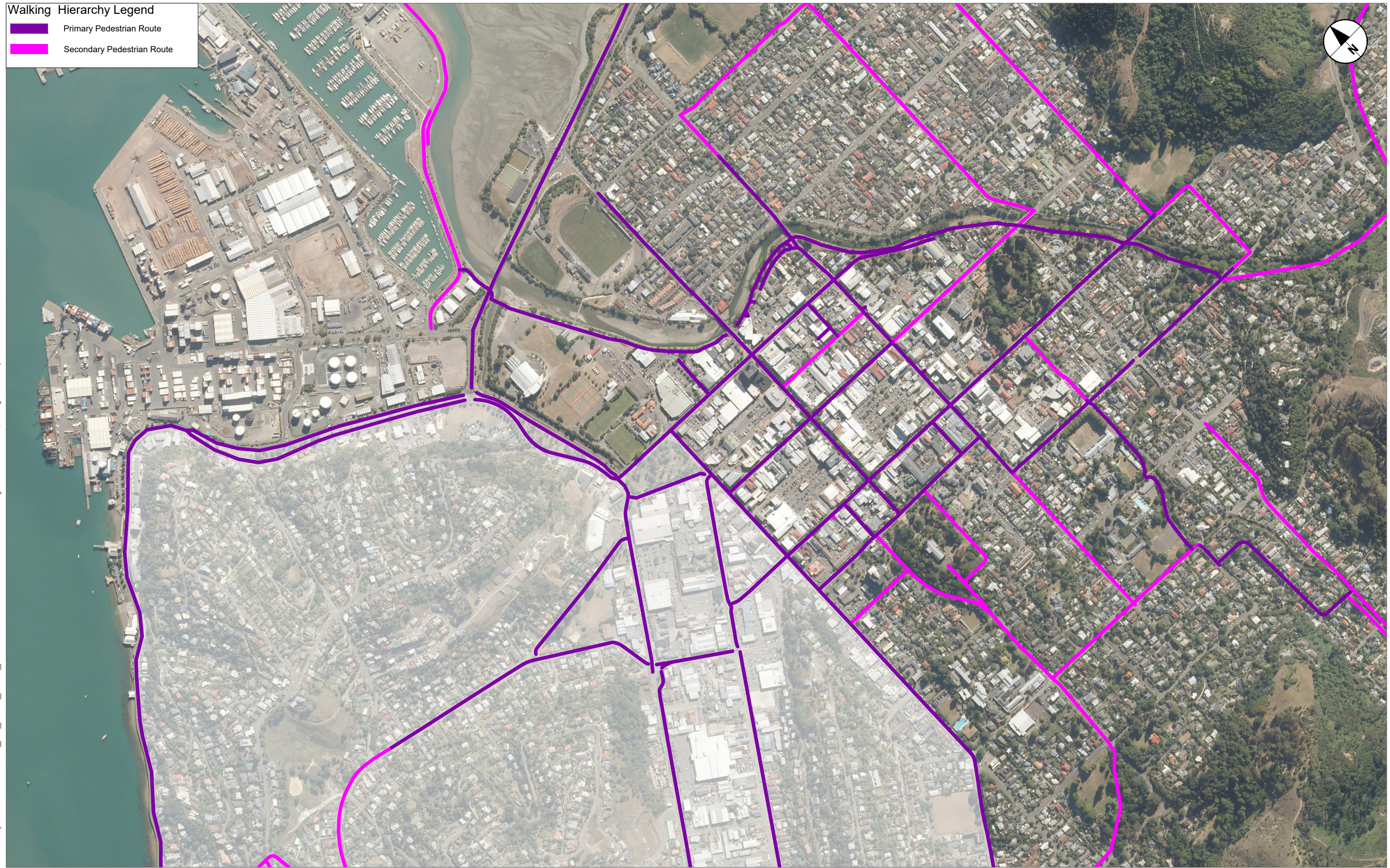
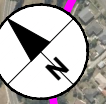
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FOR INFORMATION ONLY



Walking Hierarchy Legend

-  Primary Pedestrian Route
-  Secondary Pedestrian Route

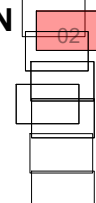


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FOR INFORMATION ONLY

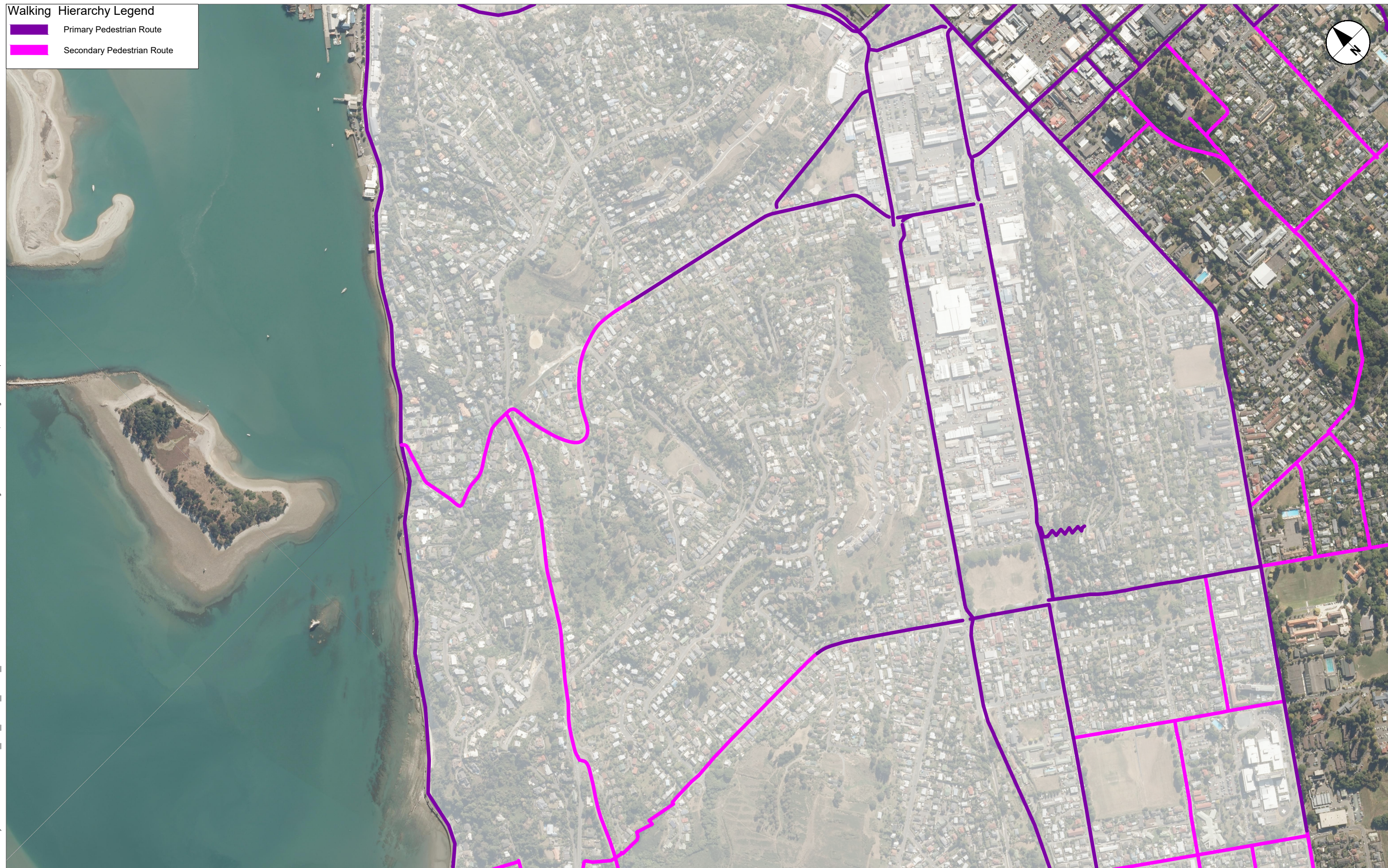


KEY PLAN



Walking Hierarchy Legend

- Primary Pedestrian Route
- Secondary Pedestrian Route

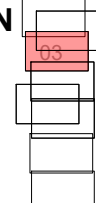


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FOR INFORMATION ONLY

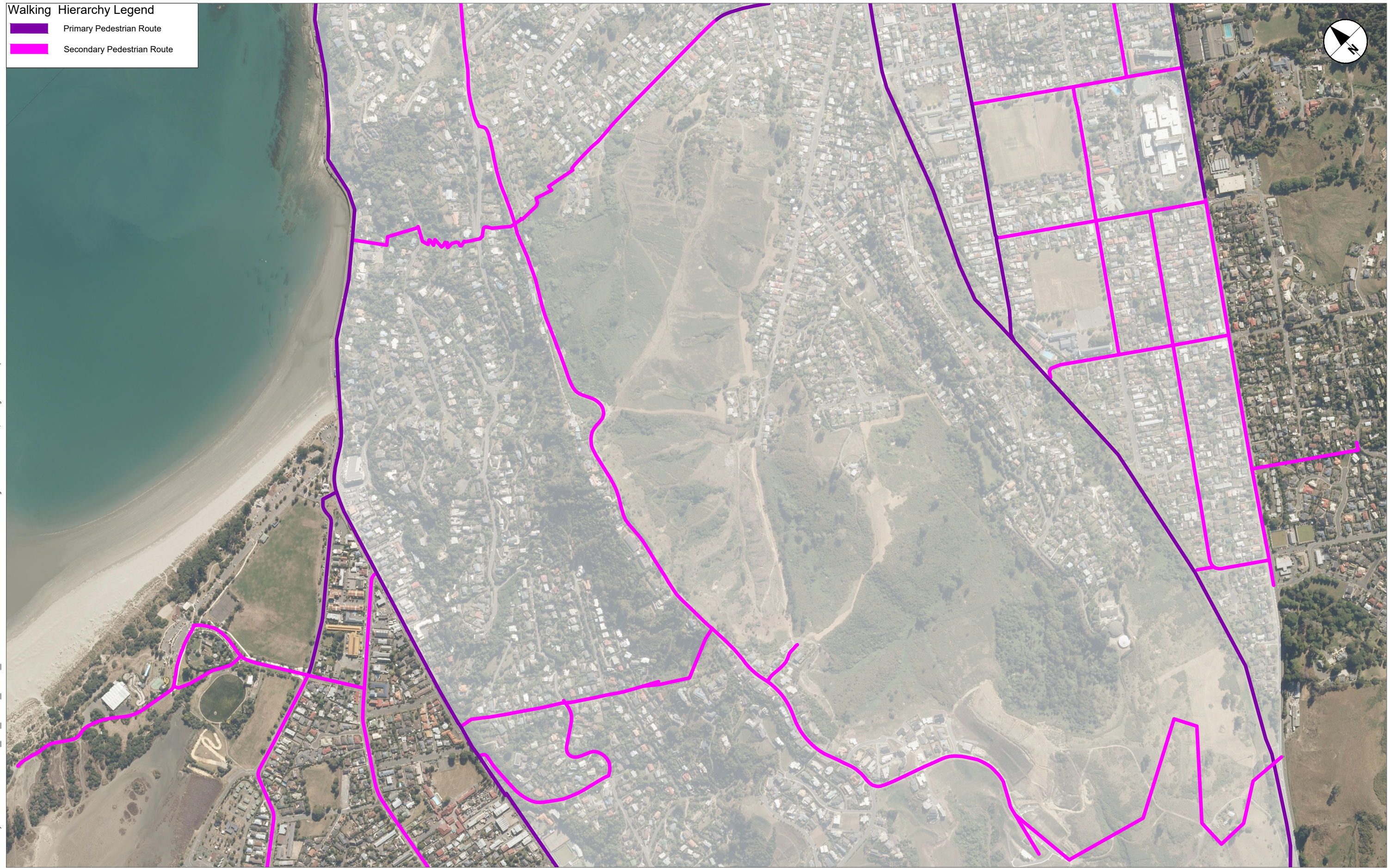


KEY PLAN



Walking Hierarchy Legend

- Primary Pedestrian Route
- Secondary Pedestrian Route

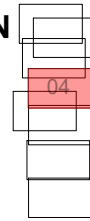


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FOR INFORMATION ONLY



KEY PLAN



Walking Hierarchy Legend

-  Primary Pedestrian Route
-  Secondary Pedestrian Route





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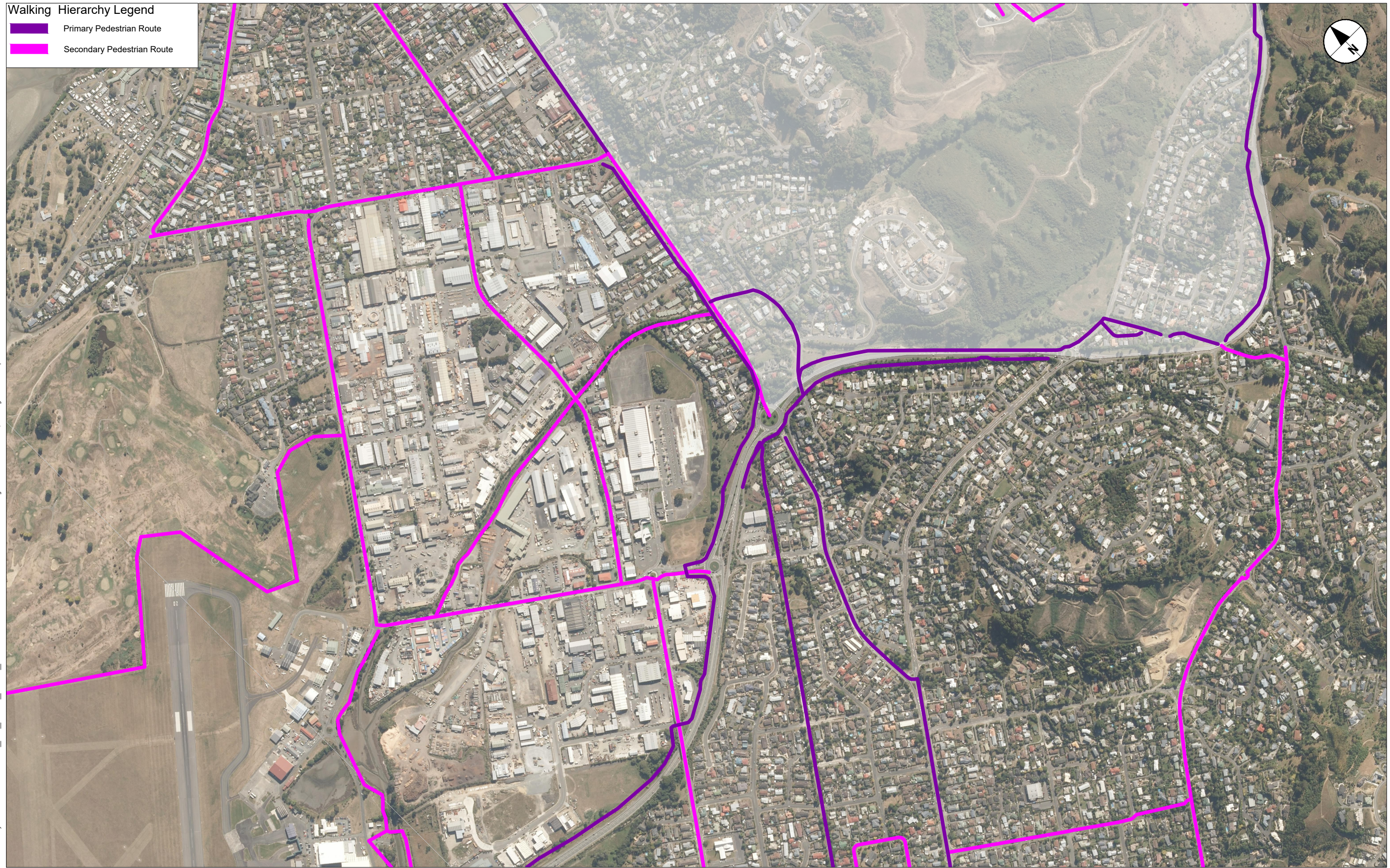
FOR INFORMATION ONLY



KEY PLAN

Walking Hierarchy Legend

-  Primary Pedestrian Route
-  Secondary Pedestrian Route

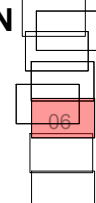


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FOR INFORMATION ONLY

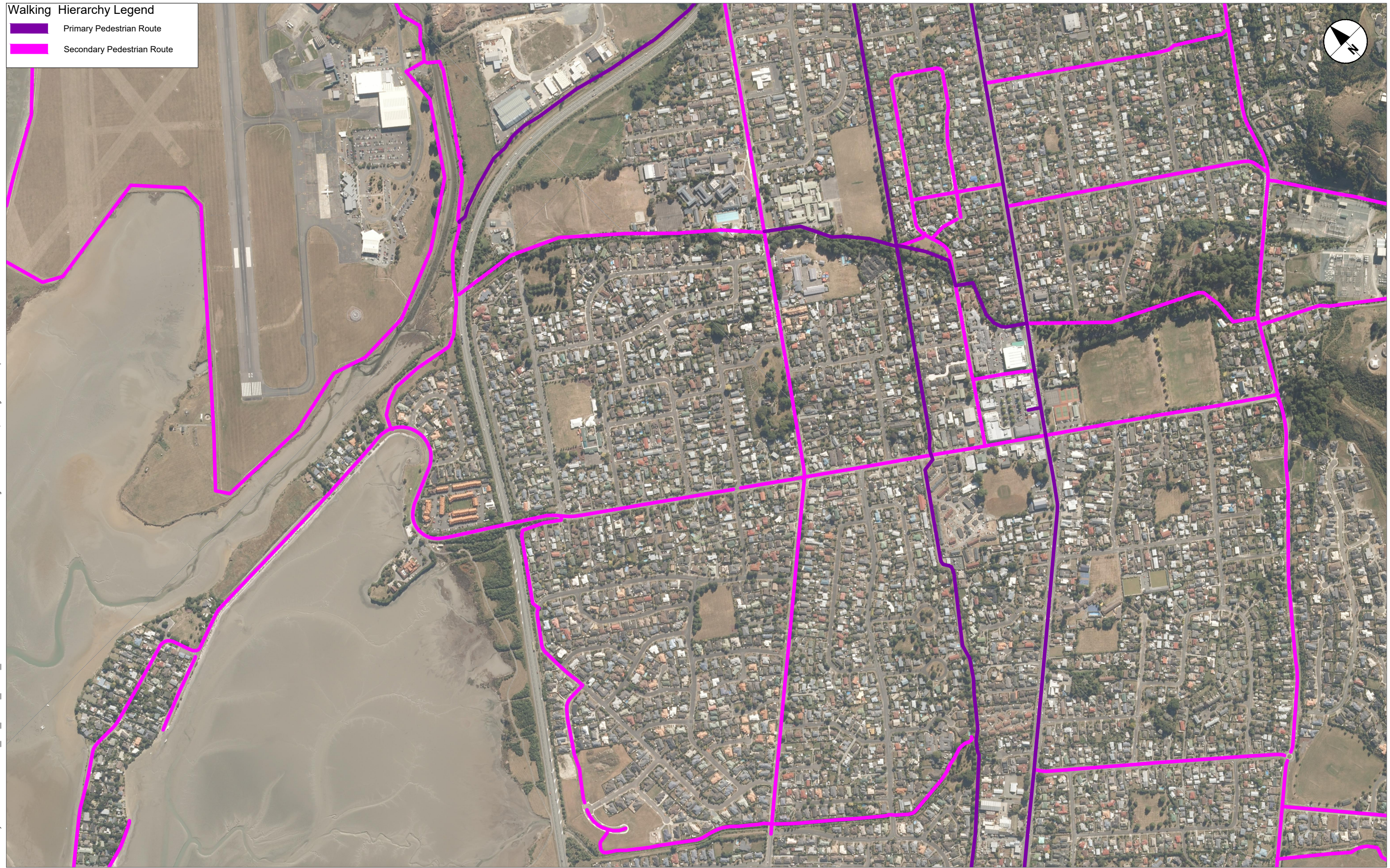


KEY PLAN



Walking Hierarchy Legend

-  Primary Pedestrian Route
-  Secondary Pedestrian Route



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KEY PLAN

The key plan consists of a grid of five rows and three columns of rectangular boxes. The second row, second column box is highlighted in red and contains the number '07', indicating the current sheet's position in the overall project layout.

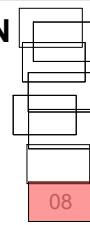
Walking Hierarchy Legend

-  Primary Pedestrian Route
-  Secondary Pedestrian Route



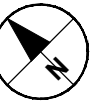
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FOR INFORMATION ONLY

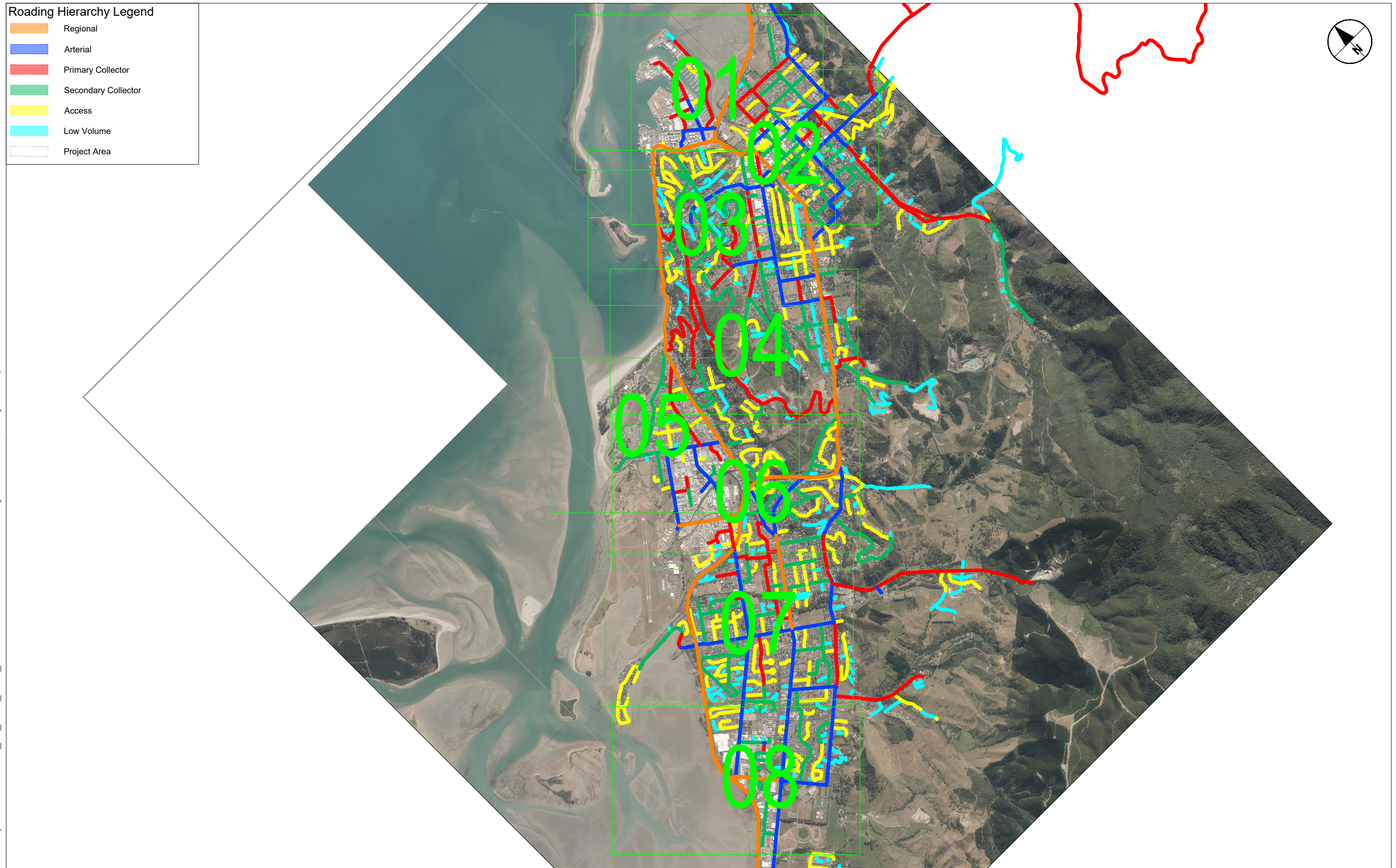


Roading Hierarchy Legend

- Regional
- Arterial
- Primary Collector
- Secondary Collector
- Access
- Low Volume
- Project Area



CAD Ref: \\NZWL\GFF001\Projects\606X\60603231\900_CAD_GIS\910_CAD\25_Sketches\60603231-SKT-FIG-0021 (TRAFFIC) V6.dwg Last saved: Tue, 24 Aug 2021 06:30 pm



FOR INFORMATION ONLY



KEY PLAN



Roading Hierarchy Legend

- Regional
- Arterial
- Primary Collector
- Secondary Collector
- Access
- Low Volume
- Project Area



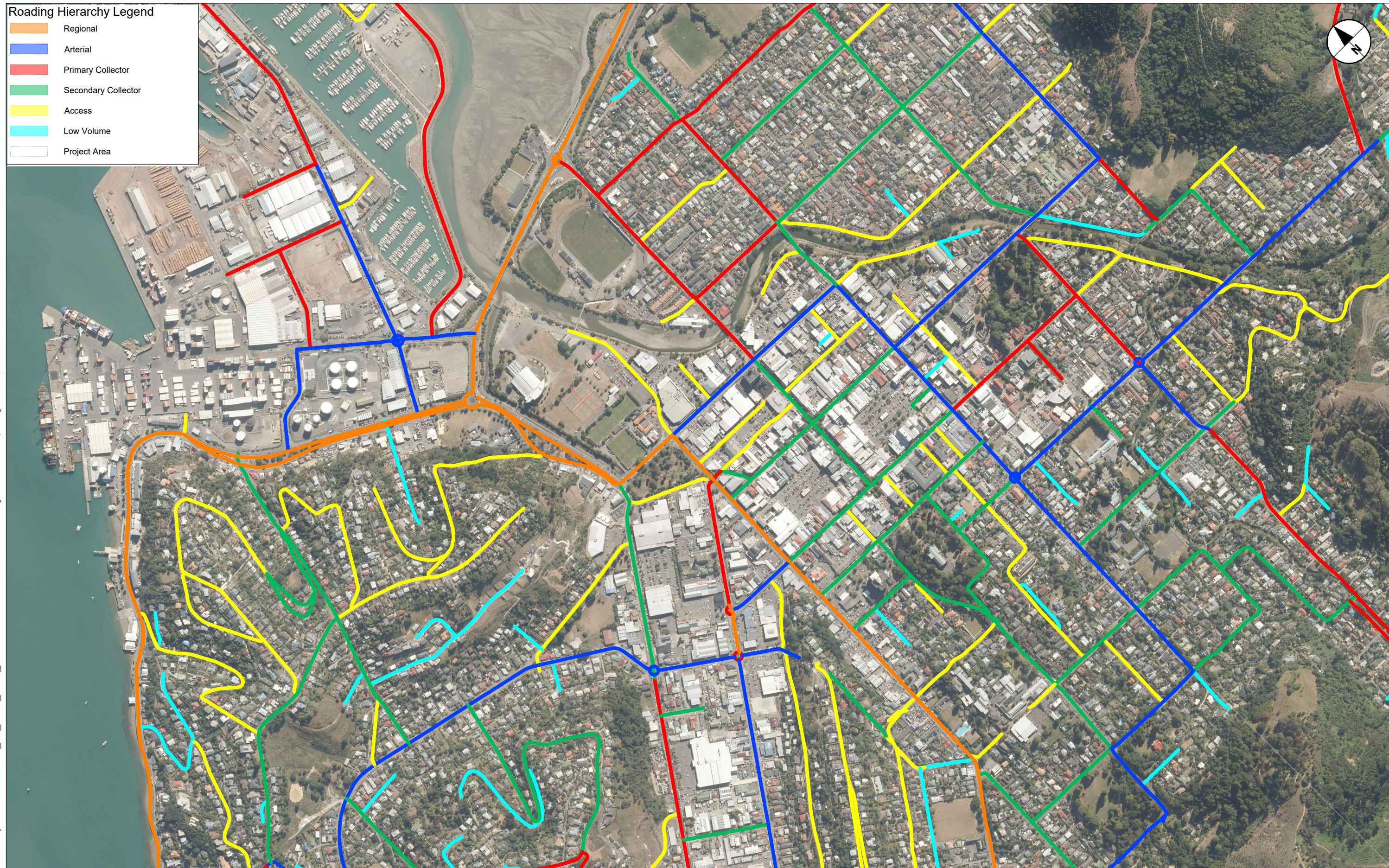
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FOR INFORMATION ONLY

KEY PLAN

Roading Hierarchy Legend

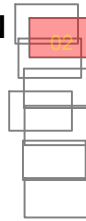
- Regional
- Arterial
- Primary Collector
- Secondary Collector
- Access
- Low Volume
- Project Area



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FOR INFORMATION ONLY

KEY PLAN



Roading Hierarchy Legend

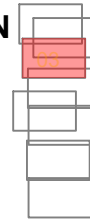
- Regional
- Arterial
- Primary Collector
- Secondary Collector
- Access
- Low Volume
- Project Area



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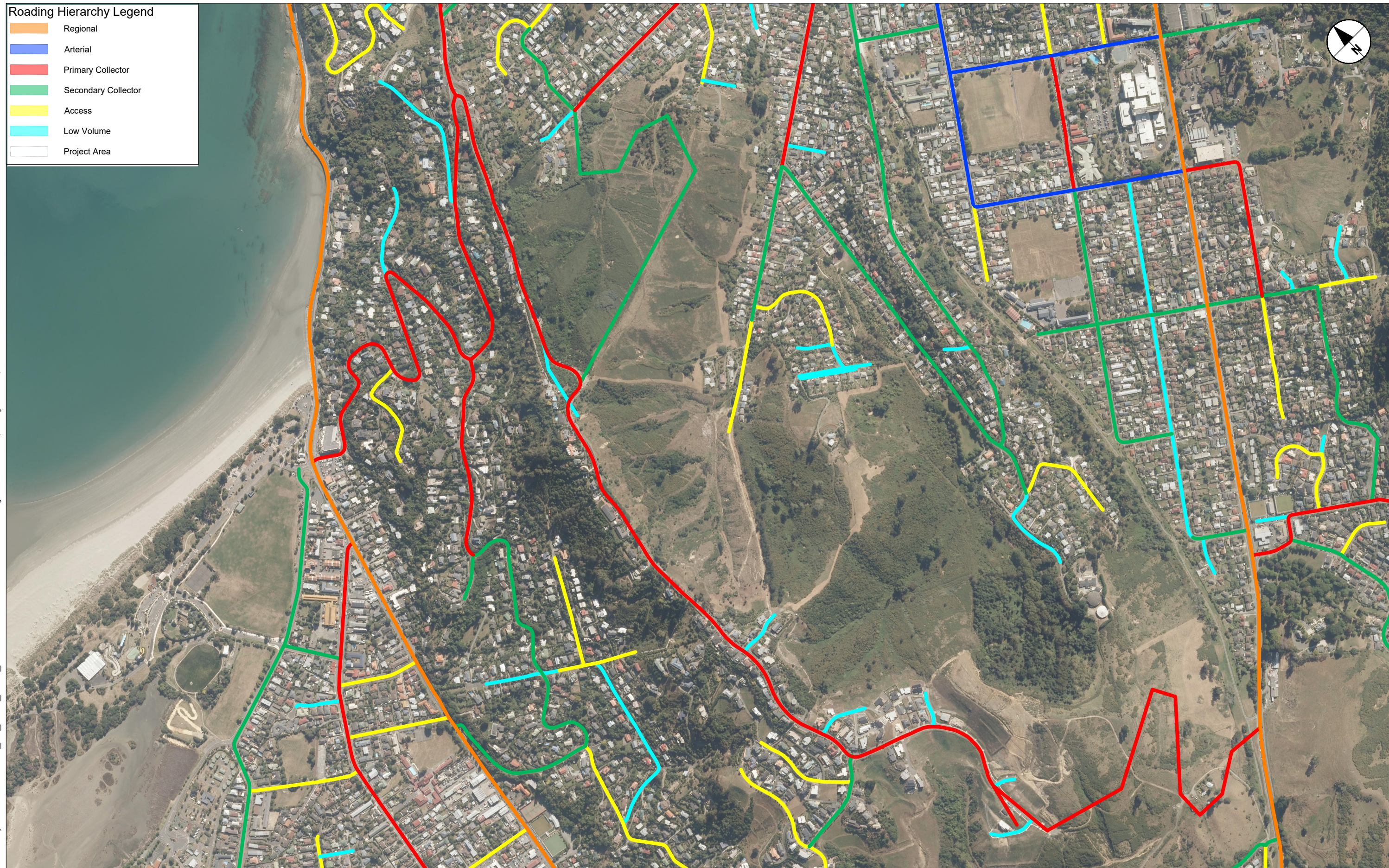
FOR INFORMATION ONLY

KEY PLAN



Roading Hierarchy Legend

- Regional
- Arterial
- Primary Collector
- Secondary Collector
- Access
- Low Volume
- Project Area

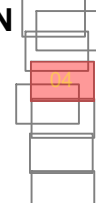


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FOR INFORMATION ONLY



KEY PLAN



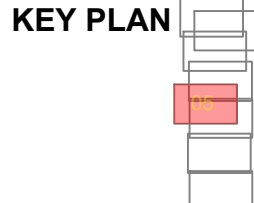
Roading Hierarchy Legend

- Regional
- Arterial
- Primary Collector
- Secondary Collector
- Access
- Low Volume
- Project Area



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FOR INFORMATION ONLY



Roading Hierarchy Legend

- Regional
- Arterial
- Primary Collector
- Secondary Collector
- Access
- Low Volume
- Project Area

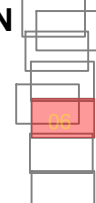


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FOR INFORMATION ONLY

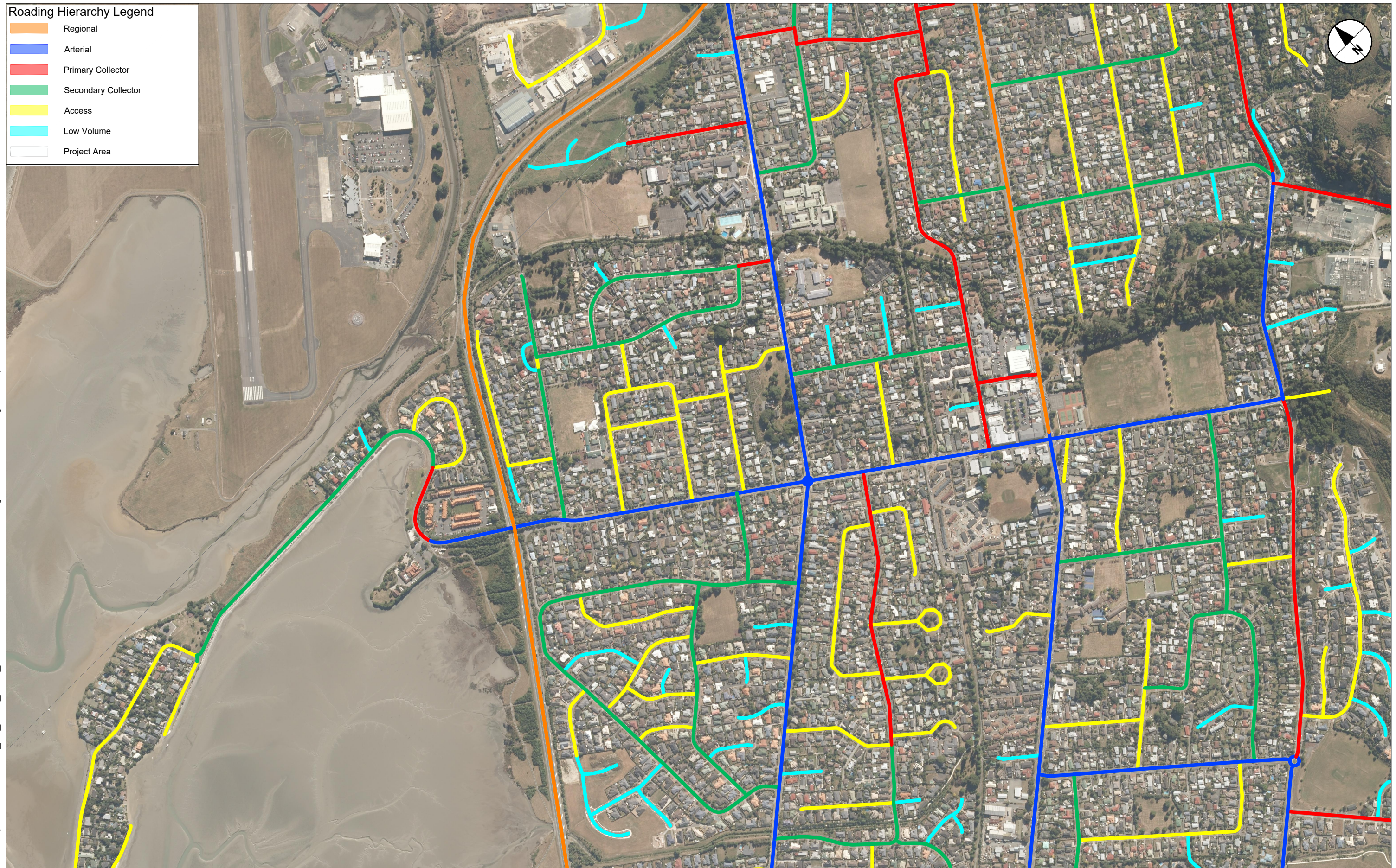


KEY PLAN



Roading Hierarchy Legend

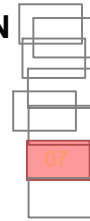
- Regional
- Arterial
- Primary Collector
- Secondary Collector
- Access
- Low Volume
- Project Area



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FOR INFORMATION ONLY

KEY PLAN



Roading Hierarchy Legend

- Regional
- Arterial
- Primary Collector
- Secondary Collector
- Access
- Low Volume
- Project Area



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