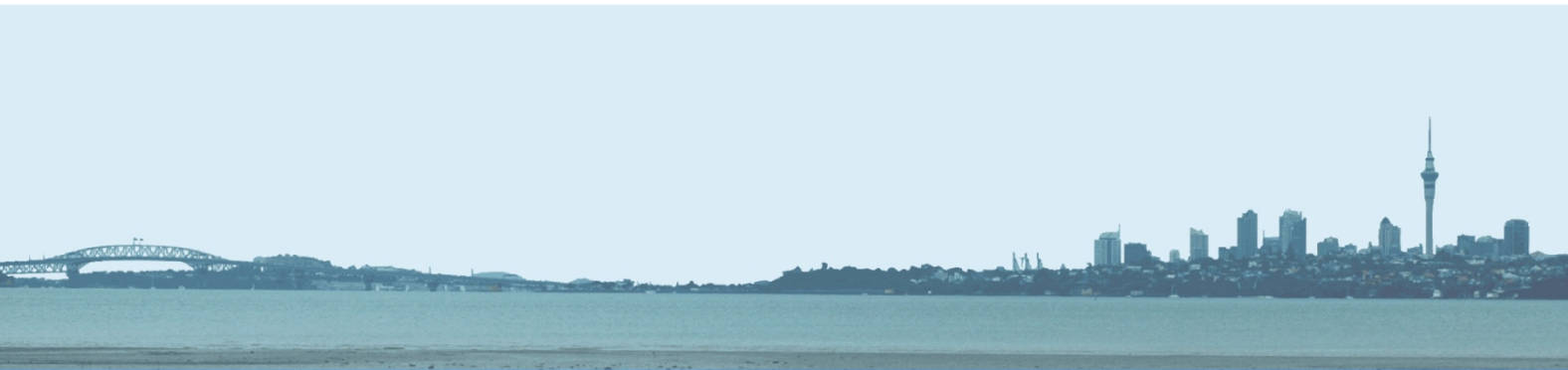


CAUSEWAY ALLIANCE
working for our **thriving** city



SH16 CAUSEWAY UPGRADE PROJECT



Monthly Environmental Report
January 2014

Document history and status

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Appendix A: Causeway Alliance Construction Zone Plan

Appendix B: SH16 Causeway Imported and Exported Material Summary

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1.0 INTRODUCTION

1.1 PURPOSE OF THE REPORT

To provide Auckland Council with a monthly overview of construction progress and compliance activity on the SH16 Causeway Upgrade project.

This report describes and details activities during the month of January 2014.

2.0 OVERVIEW of ACTIVITIES UNDERTAKEN

2.1 Environmental

Regular contact is continuing with the Auckland Council compliance team.

2.2 Communications and Stakeholder Management

- Produced fortnightly Causeway News project updates to stakeholders, project neighbours and wider community.
- Provided media releases on project progress relating to wick drains, drainage blanket, and orange temporary lane marking tape
- Eight community callers provided feedback regarding the risk of unclear lane definition on State Highway 16 over Great North Road eastbound. Only positive feedback has been received since the implementation of the orange temporary lane marking in that area.

Otherwise, positive feedback has been received from residents and stakeholders.

2.3 Construction

- Alwyn Ave (Whau River bridge south-west) - ground improvements continued in the marine area at the bridge (soft material excavated and replaced), preparing access for constructing temporary staging for widening the southern side of the Whau River Bridge. Install rock revetment under Whau Bridge (western end).
- Whau River Bridge (north-west) – Installation of temporary staging continuing and permanent bridge piling for eastbound bridge widening underway.
- Whau River Bridge (north-east) - permanent bridge piling continuing.
- Patiki to Whau (westbound, around Rosebank Park Domain) – north-western cycleway relocated, and Construction Yard 2 in Rosebank Park Domain was established. Site clearance continuing in Rosebank Domain, reclamation work began in marine area.
- Whau to Rosebank (eastbound) – site clearing complete, reclamation work underway (under Patiki Road off ramp), retaining wall works underway (including rock revetment)

- Causeway (from North Traherne Island eastbound direction) – continue installation of the preload fill layer (surcharge) up to full height opposite Traherne Island, further east continue coffer dam/stability berm, working platform, wick drain and drainage blanket installation.
- Causeway (South Traherne Island) – earthworks, wick drain and drainage layer installation (towards Rosebank Road off-ramp) continuing.
- Great North Road Interchange (GNRI) (northern side, eastbound from Causeway Bridge) – geotechnical solution at slump of embankment (opposite Causeway Bridge channel) confirmed as timber piles. Filling further east of Causeway Bridge continuing.
- GNRI (southern side, westbound towards Causeway Bridge) – continue earthworks for raising the area. Section of shared path diverted onto new and final (permanent) location.

3.0 MEETINGS, INSPECTIONS AND EVENTS

9 January – Auckland Council’s earthworks compliance inspection

16 January – Auckland Council’s coastal compliance inspection

28 January – Meeting with Council on the Urban Design and Landscape Master Plan

30 January – Auckland Council’s earthworks compliance inspection

4.0 ENVIRONMENTAL MONITORING

4.1 EARTHWORKS COMPLIANCE

Compliance Inspections were completed by Auckland Council officers on the 9 January and 30 January and recorded a compliance score of 1 (Full Compliance).

4.2 CONSTRUCTION NOISE AND VIBRATION

Site Specific Noise Management Plan #6 was approved in January for a street light relocation at GNRI westbound on-ramp.

4.3 AIR QUALITY

No air quality complaints or issues were received during the period.

4.4 CONTAMINATED SOIL

A summary of exported material disposal locations, along with material classifications, sample methods and quantities at various site locations along the alignment during January is included in Appendix B.

4.5 EROSION AND SEDIMENT CONTROL

An addendum to Erosion and Sediment Control Plan #13 was approved on 17 January for the Causeway east.

Erosion and Sediment Control Plan #17 was approved on 21 January for the Whau River south-east staging.

Erosion and Sediment Control Plan #18 was approved on 20 January for the GNRI area stockpile.

4.6 ARCHAEOLOGICAL

Council's Local and Sports Park Manager (as landowner) approved an area of minor vegetation trimming and removal in Eric Armshaw Park (required to undertake repairs to the old dry stone wall) on 29 January. A resource consent application will be submitted in February for the vegetation clearance, as this is required to enable compliance with BoI Condition ARCH.7.

4.7 COASTAL MONITORING

Compliance Inspection was completed by Auckland Council officers on the 16 January and recorded a compliance score of 1.

4.8 MARINE MONITORING

The summer 2014 marine benthic monitoring commenced during low tide periods at the same 12 sites as the pre-construction baseline monitoring undertaken in February/March 2012.

4.9 ECOLOGICAL

Inspections of Significant and Valued vegetation were undertaken on 9 and 22 January at North and South Traherne Island, Patiki Road/Rosebank Domain (Zone 2), Whau River Bridge (Zone 3) and at GNRI (Zone 5).

Monthly assessment of avian roosting locations was undertaken at Harbourview-Orangihina (Pony Club) and the temporary roosting rafts at the Causeway Bridge. The monthly avian count at Harbourview – Orangihina for January 2014 was 38 birds compared to the pre-establishment baseline count in January 2010 of 42 birds. No coastal birds were observed to use the two temporary bird roost sites (floating pontoons) installed south of Causeway Bridge, as there was no construction activity affecting roosting sites.

5.0 CORRESPONDENCE ON CONSENT CONDITIONS AND PLANS

Letter received from Council on 22 January on the interpretation of BoI conditions LV.2 and OS.4 relating to artworks.

6.0 WORKS PROPOSED FOR FEBRUARY 2014

Refer Appendix A for Construction Zone Plan.

Zone 1 Causeway

- Eastbound: Continue installing the working platform, preload fill (surcharge), drainage blanket layer, wick drains, coffer dam and reclamation in the coastal area.

Zone 2 / Zone 3 Whau to Rosebank

- Whau River eastbound: continue permanent piling for widening Whau Bridge.
- Patiki/Rosebank eastbound: continue earthworks and construction of retaining wall.
- Whau River westbound: continue earthworks between Whau River Bridge and Rosebank Domain.

Zone 5 GNRI

- East bound: continue earthworks to widen the embankment in an easterly direction alongside Great North Road east-bound off-ramp (towards Stone wall). Install timber piles for embankment stability eastern side of Causeway Bridge.
- Westbound: Continue filling new widened embankment area and at on-ramp.

The environmental focus for February will continue to be on inspections prior to and during vegetation removal, management replanted area at Traherne Island and ground clearance to ensure ecological and archaeological stand over requirements are met. The establishment and monitoring of sediment and erosion controls will also continue.

Appendix A: SH16 Causeway Alliance Construction Zone Plan

Appendix B: SH16 Causeway Imported and Exported Material Summary

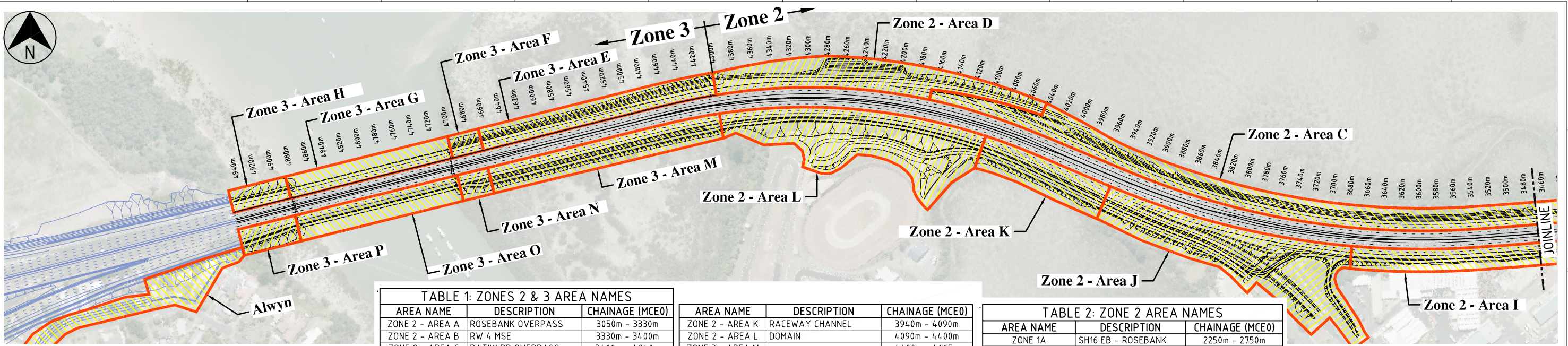


TABLE 1: ZONES 2 & 3 AREA NAMES

AREA NAME	DESCRIPTION	CHAINAGE (MCE0)
ZONE 2 - AREA A	ROSEBANK OVERPASS	3050m - 3330m
ZONE 2 - AREA B	RW 4 MSE	3330m - 3400m
ZONE 2 - AREA C	PATIKI RD OVERPASS	3400m - 4040m
ZONE 2 - AREA D	PATIKI RD OFF-RAMP	4040m - 4400m
ZONE 3 - AREA E	-	4400m - 4665m
AREA NAME	DESCRIPTION	CHAINAGE (MCE0)
ZONE 3 - AREA F	WHAU RIVER NE	4665m - 4700m
ZONE 3 - AREA G	WHAU RIVER BRIDGE EB	4700m - 4885m
ZONE 3 - AREA H	WHAU RIVER NW	4885m - 4950m
ZONE 2 - AREA I	ROSEBANK RD	3050m - 3670m
ZONE 2 - AREA J	PATIKI RD	3670m - 3940m

AREA NAME	DESCRIPTION	CHAINAGE (MCE0)
ZONE 2 - AREA K	RACEWAY CHANNEL	3940m - 4090m
ZONE 2 - AREA L	DOMAIN	4090m - 4400m
ZONE 3 - AREA M	-	4400m - 4665m
ZONE 3 - AREA N	WHAU RIVER SE	4665m - 4700m
ZONE 3 - AREA O	WHAU RIVER BRIDGE WB	4700m - 4885m
AREA NAME	DESCRIPTION	CHAINAGE (MCE0)
ALWYN AVE	ALWYN AVENUE	4950m - ALWYN

TABLE 2: ZONE 2 AREA NAMES

AREA NAME	DESCRIPTION	CHAINAGE (MCE0)
ZONE 1A	SH16 EB - ROSEBANK	2250m - 2750m
ZONE 1B	SH16 EB	1750m - 2250m
ZONE 1C	SH16 EB - CAUSEWAY	1330m - 1750m
ZONE 1D	SH16 EB - CAUSEWAY BR	1135m - 1330m
ZONE 1E	SH16 EB - CAUSEWAY	1000m - 1135m
ZONE 1F	SH16 WB - ROSEBANK	2000m - 3050m
ZONE 1G	SH16 WB - CAUSEWAY	1275m - 2000m
ZONE 1H	SH16 EB - CAUSEWAY	2650m - 3050m
ZONE 1J	SH16 WB - CAUSEWAY	2610m - 3050m

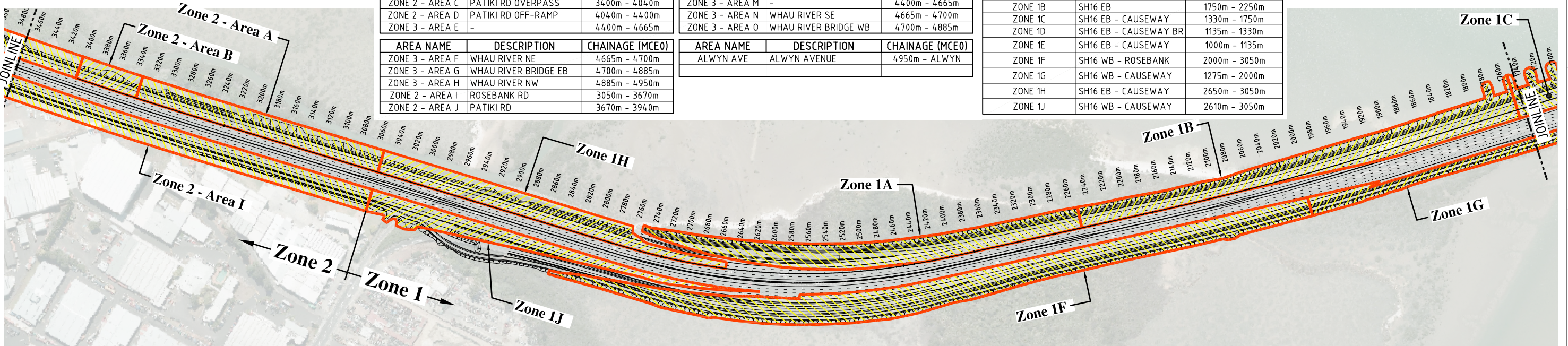


TABLE 3: ZONE 5 AREA NAMES

AREA NAME	DESCRIPTION	CHAINAGE (MCE0)
ZONE 5 - CAUSEWAY BR	CAUSEWAY BRIDGE	
ZONE 5 - AREA 1	RAMP 5 - WB ON-RAMP	150m - 0600m
ZONE 5 - AREA 2	SH16 WB	600m - 1200m
ZONE 5 - AREA 3	RAMP 7 - EB OFF-RAMP	635m - 1000m
ZONE 5 - OAKLEY BOARDWALK		
ZONE 5 - AREA 5	RAMP 3 - SH16 TO SH20	

AREA NAME	DESCRIPTION	CHAINAGE (MCE0)
ZONE 5 - AREA 6	SH16 EB	
ZONE 5 - AREA 7	MEDIAN BY WCA	
ZONE 5 - AREA 8	WB LANES	
ZONE 5 - AREA 9	MEDIAN BY WCA	
ZONE 5 - AREA 10	RAMP 6 - EB ON-RAMP	
ZONE 5 - AREA 11	SH16 WB	1000m - 1200m

ORIGINAL DRAWING IN COLOUR

UNCONTROLLED COPY DRAFT



STATUS: FOR REVIEW
SCALE: NOT TO SCALE
FILENAME: SH16-4-R-SK-0774.dwg

CLIENT: NEW ZEALAND TRANSPORT AGENCY
PROJECT: SH16 CAUSEWAY UPGRADE PROJECT (NZTA CA3685)
DRAFTER: R. Tauro
DRAFTING CHECK: R. Tauro
DESIGNER: R. Tauro
APPROVED: G. Houppapa

TITLE: GENERAL ARRANGEMENT ZONING AREAS
DRAWING No: SH16-4-R-SK-0774
REV: A

**SH16 Causeway Upgrade - January 2014 Materials Tally
On Site Materials Movement and Disposal to Landfill**

Date	Transport Subcontractor	Ordering Zone	Docket #	Material Source	From Area	Gate	From Description Non-Import Only	To Area	Sample ID	Lab Report ID	Classification	Acceptable Disposal Facility	Conformance	To Description	Specification Description	Material Type	Truck Type	Load Count	Truck Volume (T)	Total Volume (T)	Total Volume (m ³) (conversion factor of 1.6 (1 t = 1/1.6))	Sample Rate						
2001/2014	G&C	Zone 1	73417	Site	Zone 1A	C5		Ridge Road Landfill	XRF testing of Zone 1A and western edge of Zone 1B was undertaken by Envirowaste Watercare sample #872913	Watercare: 58462-0	Cleanfill - CA advised material was screened by XRF and classed as cleanfill. Envirowaste detected one sample that had elevated lead (247 ppm). Based on low levels of contaminants detected in the other samples the material was accepted for cleanfill at Greenmount. The material was subsequently taken to Ridge Road cleanfill and upon reviewing the acceptance criteria this was deemed acceptable. The Watercare sample had lead concentrations (86 mg/kg) slightly above the Auckland background range (65 mg/kg), though was under cleanfill acceptance criteria.	Greenmount cleanfill/Managed fill, Ridge Road cleanfill/Managed fill, Hampton Downs.	Yes	Cut to Waste	Cut to Waste	Topsoil - Clean but unsuitable	Truck & Trailer		29	142	Total volume of material disposed from Zone 1A: 177 m ³ (includes 35 m ³ already disposed of in August 2013). One analysed sample relates to Zone 1A. The current sample rate is one sample per 177 m ³ . This meets the minimum sampling requirements of one sample per 1000 m ³ for cleanfill.							
21/01/2014	G&C	Zone 1	73448	Site	Zone 1A	C5		Ridge Road Landfill						Cut to Waste	Cut to Waste	Topsoil - Clean but unsuitable	Truck & Trailer		28									
21/01/2014	G&C	Zone 1	73450	Site	Zone 1A	C5		Ridge Road Landfill						Cut to Waste	Cut to Waste	Topsoil - Clean but unsuitable	Truck & Trailer		28									
21/01/2014	G&C	Zone 1	73454	Site	Zone 1A	C5		Ridge Road Landfill						Cut to Waste	Cut to Waste	Topsoil - Clean but unsuitable	Truck & Trailer		28									
21/01/2014	G&C	Zone 1	73452	Site	Zone 1A	C5		Ridge Road Landfill						Cut to Waste	Cut to Waste	Topsoil - Clean but unsuitable	Truck & Trailer		28									
21/01/2014	G&C	Zone 1	73438	Site	Zone 1A	C5		Ridge Road Landfill						Cut to Waste	Cut to Waste	Topsoil - Clean but unsuitable	Truck & Trailer		28									
21/01/2014	G&C	Zone 1	73425	Site	Zone 1A	C5		Ridge Road Landfill						Cut to Waste	Cut to Waste	Topsoil - Clean but unsuitable	Truck & Trailer		29.5									
21/01/2014	G&C	Zone 1	73448	Site	Zone 1A	C5		Ridge Road Landfill						Cut to Waste	Cut to Waste	Topsoil - Clean but unsuitable	Truck & Trailer		28									
8/01/2014	G&C	Zone 2		Site	Zone 2 - Area B	C4	Topsoil strip	Zone 2 - Area C										Yes - Stockpiled onsite	Stockpile			Cut to Waste	Topsoil - Clean	6 wheeler	3	24	368.45	Total volume of material disposed from Zone 2B: 368 m ³ . Six analysed samples relates to Zone 1A. The current sample rate is one sample per 65 m ³ . This meets the minimum sampling requirements of one sample per 1000 m ³ for cleanfill.
23/01/2014	G&C	Zone 2	73631	Site	Zone 2 - Area B	C4		Ridge Road Landfill						CA49_SP: CA50_SP: CA51_SP: CA52_SP: CA53_SP: CA69	1215417: 1226072	Cleanfill (CA50_SP very minor exceedance (0.04) of Ridge Road cleanfill criteria for Benzo(a)pyrene (BAP) (0.027).	Greenmount cleanfill/Managed fill, Ridge Road cleanfill/Managed fill, Hampton Downs.	Yes (CA50_SP was considered cleanfill as the Ridge Road benzo(a)pyrene cleanfill exceedance was very minor and all other relevant samples were within Ridge Road cleanfill criteria).	Cut to Waste			Cut to Waste	Clean Fill	Artic		19		
23/01/2014	G&C	Zone 2	73668	Site	Zone 2 - Area B	C4		Ridge Road Landfill					Cut to Waste	Cut to Waste	Clean Fill	Artic		19										
23/01/2014	G&C	Zone 2	73710	Site	Zone 2 - Area B	C4		Ridge Road Landfill						Cut to Waste	Cut to Waste	Clean Fill	Truck & Trailer		29									
24/01/2014	G&C	Zone 2	11343	Site	Zone 2 - Area B	C4		Ridge Road Landfill						Cut to Waste	Cut to Waste	Clean Fill	Artic		19									
24/01/2014	G&C	Zone 2	73776	Site	Zone 2 - Area B	C4		Ridge Road Landfill						Cut to Waste	Cut to Waste	Clean Fill	Artic		19									
24/01/2014	G&C	Zone 2	73811	Site	Zone 2 - Area B	C4		Ridge Road Landfill						Cut to Waste	Cut to Waste	Clean Fill	Artic		19									
24/01/2014	G&C	Zone 2	73720	Site	Zone 2 - Area B	C4		Ridge Road Landfill						Cut to Waste	Cut to Waste	Clean Fill	Artic		18									
24/01/2014	G&C	Zone 2	11343	Site	Zone 2 - Area B	C4		Ridge Road Landfill						Cut to Waste	Cut to Waste	Clean Fill	Artic		18									
24/01/2014	G&C	Zone 2	73776	Site	Zone 2 - Area B	C4		Ridge Road Landfill						Cut to Waste	Cut to Waste	Clean Fill	Artic		18									
24/01/2014	G&C	Zone 2	73811	Site	Zone 2 - Area B	C4		Ridge Road Landfill						Cut to Waste	Cut to Waste	Clean Fill	Artic		18									
25/01/2014	G&C	Zone 2	73847	Site	Zone 2 - Area B	C4		Ridge Road Landfill						Cut to Waste	Cut to Waste	Clean Fill	Artic		18									
28/01/2014	G&C	Zone 2		Site	Zone 2 - Area B	C4		Ridge Road Landfill						Cut to Waste	Cut to Waste	Clean Fill	Artic		18									
28/01/2014	G&C	Zone 2		Site	Zone 2 - Area B	C4		Ridge Road Landfill						Cut to Waste	Cut to Waste	Clean Fill	Truck & Trailer		28									
28/01/2014	G&C	Zone 2	73936	Site	Zone 2 - Area B	C4		Ridge Road Landfill						Cut to Waste	Cut to Waste	Clean Fill	Truck & Trailer		28									
28/01/2014	G&C	Zone 2	73938	Site	Zone 2 - Area B	C4		Ridge Road Landfill						Cut to Waste	Cut to Waste	Clean Fill	Truck & Trailer		28									
28/01/2014	G&C	Zone 2	73982	Site	Zone 2 - Area B	C4		Ridge Road Landfill						Cut to Waste	Cut to Waste	Clean Fill	Truck & Trailer		28									
28/01/2014	G&C	Zone 2	73863	Site	Zone 2 - Area B	C4		Ridge Road Landfill						Cut to Waste	Cut to Waste	Clean Fill	Artic		18.52									
29/01/2014	G&C	Zone 2	74008	Site	Zone 2 - Area B	C4		Ridge Road Landfill						Cut to Waste	Cut to Waste	Clean Fill	Artic		19									
29/01/2014	G&C	Zone 2	74005	Site	Zone 2 - Area B	C4		Ridge Road Landfill						Cut to Waste	Cut to Waste	Clean Fill	Truck & Trailer		28									
29/01/2014	G&C	Zone 2	74003	Site	Zone 2 - Area B	C4		Ridge Road Landfill						Cut to Waste	Cut to Waste	Clean Fill	Artic		18									
29/01/2014	G&C	Zone 2	74002	Site	Zone 2 - Area B	C4		Ridge Road Landfill						Cut to Waste	Cut to Waste	Clean Fill	Artic		18									
30/01/2014	G&C	Zone 2	74133	Site	Zone 2 - Area B	C4		Ridge Road Landfill						Cut to Waste	Cut to Waste	Clean Fill	Truck & Trailer		28									
30/01/2014	G&C	Zone 2	74147	Site	Zone 2 - Area B	C4		Ridge Road Landfill						Cut to Waste	Cut to Waste	Clean Fill	Truck & Trailer		28									
30/01/2014	G&C	Zone 2	74232	Site	Zone 2 - Area B	C4		Ridge Road Landfill						Cut to Waste	Cut to Waste	Clean Fill	Truck & Trailer		28									
30/01/2014	G&C	Zone 2	74241	Site	Zone 2 - Area B	C4		Ridge Road Landfill						Cut to Waste	Cut to Waste	Clean Fill	Artic		18									
30/01/2014	G&C	Zone 2	74180	Site	Zone 2 - Area B	C4		Ridge Road Landfill						Cut to Waste	Cut to Waste	Clean Fill	Artic		18									
18/01/2014	G&C	Zone 2	73264	Site	Zone 2 - Area C	C4		Ridge Road Landfill	CA45; CA46; CA47; CA48; CA67; CA68	1215417: 1226072.	CA47, CA48, CA68, WS468 and WS672 all cleanfill (WS468 classified as managed by BECA for minor copper exceedance (52 mg/kg) above Auckland background limit (45 mg/kg), upon review sample meets cleanfill criteria), CA45 cleanfill (Greenmount only - not Ridge Road, due to exceedance (0.06 mg/kg) of Ridge Road cleanfill criteria for Benzo(a)pyrene (BAP) (0.027 mg/kg)). CA46, CA67 and WS467 managed fill. CA46 had exceedance (0.22 mg/kg) of Ridge Road cleanfill criteria for BAP (0.027 mg/kg) and exceedance (0.35 mg/kg) of Greenmount cleanfill criteria for BAP equivalent (0.27 mg/kg). Concentration of Nickel in CA46 (114 mg/kg) exceeded Auckland Council Schedule 10 permitted discharge limits (105 mg/kg). CA67 had exceedance (0.15 mg/kg) of Ridge Road cleanfill criteria for BAP (0.027 mg/kg) and exceedance (0.37 mg/kg) of Greenmount cleanfill criteria for BAP equivalent (0.27 mg/kg). WS467 had exceedance (0.26 mg/kg) of Ridge Road cleanfill criteria for BAP (0.027 mg/kg) and exceedance (0.63 mg/kg) of Greenmount cleanfill criteria for BAP equivalent (0.27 mg/kg). Concentration of Nickel in WS467 (110 mg/kg) exceeded Auckland Council Schedule 10 permitted discharge limits (105 mg/kg).	Location CA46, CA67 and WS467 Greenmount and Ridge Road managed fill, Hampton Downs. Location CA45 Greenmount Cleanfill/managed fill and Ridge Road managed fill, Hampton Downs. CA47, CA48, CA68, WS468 and WS672 Greenmount cleanfill/managed fill, Ridge Road cleanfill/Managed fill, Hampton Downs.	No - Material from location CA46, CA67 and WS467 was sent to Ridge Road cleanfill when it was classified as managed fill only.	Cut to Waste	Cut to Waste	Topsoil - Clean but unsuitable	Truck & Trailer		29	317	Total volume of material disposed from Zone 2C: 317 m ³ . Nine analysed samples relate to Zone 2C. The current sample rate is one sample per 35 m ³ . This meets the minimum sampling requirements of one sample per 500 m ³ for managed fill.							
18/01/2014	G&C	Zone 2	73263	Site	Zone 2 - Area C	C4		Ridge Road Landfill					Cut to Waste	Cut to Waste	Topsoil - Clean but unsuitable	Truck & Trailer		29										
18/01/2014	G&C	Zone 2	73265	Site	Zone 2 - Area C	C4		Ridge Road Landfill						Cut to Waste	Cut to Waste	Topsoil - Clean but unsuitable	Truck & Trailer		29									
18/01/2014	G&C	Zone 2	73289	Site	Zone 2 - Area C	C4		Ridge Road Landfill						Cut to Waste	Cut to Waste	Topsoil - Clean but unsuitable	Truck & Trailer		28									
18/01/2014	G&C	Zone 2	73291	Site	Zone 2 - Area C	C4		Ridge Road Landfill						Cut to Waste	Cut to Waste	Topsoil - Clean but unsuitable	Truck & Trailer		28									
18/01/2014	G&C	Zone 2	73248	Site	Zone 2 - Area C	C4		Ridge Road Landfill						Cut to Waste	Cut to Waste	Topsoil - Clean but unsuitable	Truck & Trailer		28									
18/01/2014	G&C	Zone 2	73248	Site	Zone 2 - Area C	C4		Ridge Road Landfill						Cut to Waste	Cut to Waste	Topsoil - Clean but unsuitable	Truck & Trailer		28									
20/01/2014	G&C	Zone 2	73296	Site	Zone 2 - Area C	C4		Ridge Road Landfill						Cut to Waste	Cut to Waste	Topsoil - Clean but unsuitable	Truck & Trailer		28									
20/01/2014	G&C	Zone 2	73363	Site	Zone 2 - Area C	C4		Ridge Road Landfill						Cut to Waste	Cut to Waste	Topsoil - Clean but unsuitable	Truck & Trailer		28									
20/01/2014	G&C	Zone 2	73423	Site	Zone 2 - Area C	C4		Ridge Road Landfill						Cut to Waste	Cut to Waste	Topsoil - Clean but unsuitable	Truck & Trailer		28									
20/01/2014	G&C	Zone 2	73373	Site	Zone 2 - Area C	C4		Ridge Road Landfill						Cut to Waste	Cut to Waste	Topsoil - Clean but unsuitable	Truck & Trailer		28									
20/01/2014	G&C	Zone 2	73427	Site	Zone 2 - Area C	C4		Ridge Road Landfill						Cut to Waste	Cut to Waste	Topsoil - Clean but unsuitable	Truck & Trailer		28									
20/01/2014	G&C	Zone 2	73382	Site	Zone 2 - Area C	C4		Ridge Road Landfill						Cut to Waste	Cut to Waste	Topsoil - Clean but unsuitable	Truck & Trailer		28									
20/01/2014	G&C	Zone 2	73428	Site	Zone 2 - Area C	C4		Ridge Road Landfill						Cut to Waste	Cut to Waste	Topsoil - Clean but unsuitable	Truck & Trailer		28									
21/01/2014	G&C	Zone 2	73512	Site	Zone 2 - Area C	C4		Ridge Road Landfill						Cut to Waste	Cut to Waste	Topsoil - Clean but unsuitable	Truck & Trailer		28									
22/01/2014	G&C	Zone 2	73571	Site	Zone 2 - Area C	C4		Ridge Road Landfill						Cut to Waste	Cut to Waste	Topsoil - Clean but unsuitable	Truck & Trailer		28									
23/01/2014	G&C	Zone 2	73668	Site	Zone 2 - Area C	C4		Ridge Road Landfill						Cut to Waste	Cut to Waste	Topsoil - Clean but unsuitable	Truck & Trailer		28									
23/01/2014	G&C	Zone 2	73631	Site	Zone 2 - Area C	C4		Ridge Road Landfill						Cut to Waste	Cut to Waste	Topsoil - Clean but unsuitable	Truck & Trailer		28									
23/01/2014	G&C	Zone 3	73710	Site	Zone 3 - Area E	C2		Ridge Road Landfill						Cut to Waste	Cut to Waste	Clean Fill	Truck & Trailer		28									
28/01/2014	G&C	Zone 3	73897	Site	Zone 3 - Area E	C3		Ridge Road Landfill						Cut to Waste	Cut to Waste	Clean Fill	Truck & Trailer		28									
28/01/2014	G&C	Zone 3		Site	Zone 3 - Area E	C3		Ridge Road Landfill						Cut to Waste	Cut to Waste	Clean Fill	Artic		18									
28/01/2014	G&C	Zone 3	73930	Site	Zone 3 - Area E	C3		Ridge Road Landfill						Cut to Waste	Cut to Waste	Clean Fill	Truck & Trailer		28									
28/01/2014	G&C	Zone 3	73980	Site	Zone 3 - Area E	C3		Ridge Road Landfill						Cut to Waste	Cut to Waste	Clean Fill	Truck & Trailer		28									
29/01/2014	G&C	Zone 3	74011	Site	Zone 3 - Area E	C3		Ridge Road Landfill						Cut to Waste	Cut to Waste	Clean Fill	Truck & Trailer		28									
29/01/2014	G&C	Zone 3	73999	Site	Zone 3 - Area E	C3		Ridge Road Landfill						Cut to Waste	Cut to Waste	Clean Fill	Truck & Trailer		28									
29/01/2014	G&C	Zone 3	74124	Site	Zone 3 - Area E	C3		Ridge Road Landfill						Cut to Waste	Cut to Waste	Clean Fill	Truck & Trailer		28									
29/01/2014	G&C	Zone 3	74144	Site	Zone 3 - Area E	C3		Ridge Road Landfill						Cut to Waste	Cut to Waste	Clean Fill	Truck & Trailer		28									
29/01/2014	G&C	Zone 3	74136	Site	Zone 3 - Area E	C3		Ridge Road Landfill						Cut to Waste	Cut to Waste	Clean Fill	Artic		18									
29/01/2014	G&C	Zone 3	74123	Site	Zone 3 - Area E	C3		Ridge Road Landfill						Cut to Waste	Cut to Waste	Clean Fill	Artic		18									
29/01/2014	G&C	Zone 3	74134	Site	Zone 3 - Area E	C3		Ridge Road Landfill						Cut to Waste	Cut to Waste	Clean Fill	Art											