EW - Earthworks [000078] {000047}

The relevant area specific zone chapter provisions apply in addition to this chapter.

Objectives

EW-O1 Earthworks in all zones except the MRZ – Medium density residential zone. [000078] {000047}

Earthworks facilitate subdivision, use and development.

EW-O2 Earthworks in the MRZ – Medium density residential zone. **[000078] {000047}**Earthworks facilitate subdivision, use and development while avoiding, mitigating or remedying potential adverse effects.

Policies

- EW-PI Earthworks in the GRZ General residential zone, MRZ Medium density residential zone, LLRZ Large lot residential zone, SETZ Settlement zone or OSZ Open space zone. [000078] {000047}
- (1) Manage the effects of earthworks to ensure that:
 - (a) Erosion and sediment loss is avoided or mitigated;
 - (b) Changes to natural water flows and established drainage paths are mitigated;
 - (c) Adjoining properties and public services are protected;
 - (d) The importation of cleanfill is avoided in the zone; and
 - (e) Adverse effects on historic heritage are avoided.
- (2) Earthworks are designed and undertaken in a manner that ensures the stability and safety of surrounding land, buildings and structures.
- (3) Manage the amount of land being disturbed at any one time to avoid, remedy or mitigate adverse construction noise, vibration, dust, lighting and traffic effects.
- (4) Subdivision and development occur in a manner that maintains fundamental shape, contour and landscape characteristics.
- (5) Manage the geotechnical risks to ensure the ground remains sound, safe and stable for the intended land use.
- EW-P2 Earthworks in the GRUZ General rural zone, FUZ Future urban zone, CORZ Corrections zone or TTZ TaTa Valley zone. [000078] {000047}
- (I) Enable earthworks associated with rural or conservation activities including:
 - (a) Ancillary rural earthworks;
 - (b) Farm quarries;
 - (c) The importation of controlled cleanfill material to a site; and
 - (d) Indigenous biodiversity restoration.
- (2) Manage earthworks to ensure that:

- (a) Erosion and sediment loss is avoided or mitigated;
- (b) The ground is geotechnically sound and remains safe and stable for the duration of the intended land use:
- (c) Changes to natural water flows and established drainage paths are avoided or mitigated;
- (d) Adjoining properties and infrastructure are protected;
- (e) Historic heritage and cultural values are recognised and protected; and
- (f) Ecosystem protection, restoration, rehabilitation or enhancement works are encouraged.

EW-P3 Earthworks in the RLZ – Rural lifestyle zone. [000078] {000047}

- (I) Manage the effects of earthworks to ensure that:
 - (a) Erosion and sediment loss is avoided or mitigated;
 - (b) The ground is geotechnically sound and remains safe and stable for the duration of the intended land use;
 - (c) Changes to natural water flows and established drainage paths is avoided or mitigated.
- (2) Manage the importation of fill material to a site.
- (3) Appropriately manage the importation of cleanfill to a site.
- (4) Manage the amount of land being disturbed at any one time to avoid, remedy or mitigate adverse construction noise, vibration, odour, dust, lighting and traffic effects.
- (5) Subdivision and development occur in a manner that maintains shape, contour and landscape characteristics.
- EW-P4 Earthworks in the LCZ Local centre zone, COM Commercial zone or TCZ Town centre zone. [000078] {000047}
- (1) Manage earthworks in the zone to minimise:
 - (a) The adverse effects and of sediment, of dust and stormwater runoff; and
 - (b) Adverse effects on heritage.
- EW-P5 Earthworks in the MAZ Mercer Airport zone. [000078] {000047}

Provide for the unique operational requirements of an airport whilst at the same time achieving appropriate levels of amenity for surrounding properties.

Rules

Land use — effects (zones specified in the first column)

EW-RI	Gardening or disturbance of land for the installation of fence posts [000078] {000047}	
All zones	(1) Activity status: PER (2) Activity status where	
	Activity specific conditions:	compliance not achieved: n/a
	Nil.	

EW-R2	Earthworks activities within the National Grid Yard [000078, 000074] {000047,000051}	
All zones	(I) Activity status: PER	(2) Activity status: RDIS
All zones	(1) Activity status: PER Activity specific conditions: (a) Earthworks within the National Grid Yard that comply with all of the following standards: (i) Do not exceed a depth (measured vertically) of 300mm within 12m of the outer visible edge of any National Grid support structure foundation. (ii) Do not compromise the stability of a National Grid support structure; (iii) Do not result in the loss of	(2) Activity status: RDIS Where: (a) Earthworks within the National Grid Yard that do not comply with Standard EW-R2(1)(a)(i) but complies with Standards EW-R2(1)(a)(ii) – (iv). Council's discretion is restricted to the following matters: (b) Impacts on the operation, maintenance, upgrading and development of the National Grid; (c) The risk to the structural
	access to any National Grid support structure; and (iv) Do not result in a reduction in the ground to conductor clearance distances of less than 6.5m (measured vertically) from a 110kV National Grid transmission line, or 7.5m (measured vertically) from a 220kV National Grid transmission line. (b) The following earthworks activities are exempt from Rules EW-R2(1)(a): (i) Earthworks that are undertaken by a network	integrity of the affected National Grid support structure(s); (d) Any impact on the ability of the National Grid owner (Transpower) to access the National Grid; (e) The risk of electrical hazards affecting public or individual safety, and the risk of property damage. (f) Technical advice provided by the National Grid owner (Transpower); and (g) Any effects on National Grid support structures including the creation of an unstable batter.
	utility operator (other than for the reticulation and storage of water for irrigation purposes) as defined by the Resource Management Act 1991; (ii) Earthworks undertaken as part of agricultural or domestic cultivation, or repair, sealing or resealing of a road, footpath, driveway or farm track; (iii) Vertical holes not exceeding 500mm in diameter that: (1) Are more than 1.5m from the outer edge of the pole support structure or stay wire; or	(3) Activity status: NC Where: (a) Earthworks within the National Grid Yard that is not a permitted activity under Rule EW-R2(1) or a restricted discretionary activity under Rule EW-R2(2)

(2) Are a post hole for a	
farm fence or horticulture structure more than 6m	
from the visible outer	
edge of a tower support	
structure foundation.	

LLRZ – Large lot residential zone and SETZ – Settlement zone

EW-R3	Earthworks – general [000078] {00004	
LLRZ – Large	(I) Activity status: PER	(2) Activity status where
	Where:	compliance not achieved: RDIS
lot residential zone; and SETZ – Settlement zone	Where: (a) Earthworks (excluding the importation of fill material) within a site must meet all of the following standards: (i) Be located more than 1.5 m horizontally from any waterway, open drain or overland flow path; (ii) Not exceed a volume of more than 350m³; (iii) Not exceed an area of more than 1,000m² over any single consecutive 12 month period; (iv) The total depth of any excavation or filling does not exceed 1.5m above or below ground level; (v) The slope of the resulting cut, filled areas or fill batter face in stable ground, does not exceed a maximum of 1:2 (1 vertical to 2 horizontal); (vi) Earthworks are set back at least 1.5m from all boundaries: (vii) Areas exposed by earthworks are re-vegetated to achieve 80% ground cover within 2 months of the completion of the earthworks; (viii) Sediment resulting from the earthworks is retained on the site through implementation and maintenance of erosion and sediment controls and does not enter waterways, open drains or overland flow	compliance not achieved: RDIS Council's discretion is restricted to the following matters: (a) Amenity values and landscape effects; (b) Volume, extent and depth of earthworks; (c) Nature of fill material; (d) Contamination of fill material; (e) Location of the earthworks to waterways, significant indigenou vegetation and habitat; (f) Compaction of the fill material; (g) Volume and depth of fill material; (h) Protection of the Hauraki Gulf Catchment Area; (i) Geotechnical stability; (j) Flood risk, including natural water flows and established drainage paths; (k) Land instability, erosion and sedimentation; and (l) The risk of earthworks exacerbating Kauri dieback disease.

	(ix) Do not divert or change the	
	nature of natural water flows,	
	water bodies or established	
	drainage paths; and	
	(x) Provided they are not within	
	a kauri root zone	
EW-R4 Ea	arthworks – general [000078] {00004	7, 000051, 000036}
	I) Activity status: PER	(2) Activity status where
lat masidantial `	Vhere:	compliance not achieved: RDIS
zone; and		Council's discretion is restricted
SETZ –	(a) Earthworks for the purpose of	
Settlement	creating a building platform for	to the following matters:
zone	residential purposes within a	(a) Amenity values and landscape
	site, using imported cleanfill	effects;
	material, must meet the	(b) Volume, extent and depth of
	following standards:	earthworks;
	(b) Be carried out in accordance	(c) Nature of fill material;
	with NZS 4431:1989 Code of	(d) Contamination of fill material;
	Practice for Earth Fill for	(e) Location of the earthworks to
	Residential Development; and	waterways, significant indigenous
	(c) Provided they are not within a	vegetation and habitat;
	kauri root zone	
		(f) Compaction of the fill material;
		(g) Volume and depth of fill material;
		(h) Protection of the Hauraki Gulf
		Catchment Area;
		(i) Geotechnical stability;
		(j) Flood risk, including natural
		water flows and established
		drainage paths;
		(k) Land instability, erosion and
		sedimentation; and
		· ·
		(I) Provided they are not within a
		kauri root zone
	arthworks – general [000078] <mark>{00004</mark>	
,	I) Activity status: PER	(2) Activity status where
lot residential V	Vhere:	compliance not achieved: RDIS
zone; and		
SETZ –	(a) Earthworks for burboses other	Council's discretion is restricted
	(a) Earthworks for purposes other than creating a building platform	Council's discretion is restricted to the following matters:
Settlement	than creating a building platform	to the following matters:
Settlement zone	than creating a building platform for residential purposes within a	to the following matters: (a) Amenity values and landscape
	than creating a building platform for residential purposes within a site, using imported fill material,	to the following matters: (a) Amenity values and landscape effects;
	than creating a building platform for residential purposes within a	to the following matters: (a) Amenity values and landscape effects; (b) Volume, extent and depth of
	than creating a building platform for residential purposes within a site, using imported fill material, must meet all of the following standards:	to the following matters: (a) Amenity values and landscape effects; (b) Volume, extent and depth of earthworks;
	than creating a building platform for residential purposes within a site, using imported fill material, must meet all of the following standards: (i) Not exceed a total volume of	to the following matters: (a) Amenity values and landscape effects; (b) Volume, extent and depth of earthworks; (c) Nature of fill material;
	than creating a building platform for residential purposes within a site, using imported fill material, must meet all of the following standards: (i) Not exceed a total volume of 20m ³ ;	to the following matters: (a) Amenity values and landscape effects; (b) Volume, extent and depth of earthworks; (c) Nature of fill material; (d) Contamination of fill material;
	than creating a building platform for residential purposes within a site, using imported fill material, must meet all of the following standards: (i) Not exceed a total volume of 20m³; (ii) Not exceed a depth of 1.5m;	to the following matters: (a) Amenity values and landscape effects; (b) Volume, extent and depth of earthworks; (c) Nature of fill material; (d) Contamination of fill material; (e) Location of the earthworks to
	than creating a building platform for residential purposes within a site, using imported fill material, must meet all of the following standards: (i) Not exceed a total volume of 20m³; (ii) Not exceed a depth of 1.5m; (iii) The slope of the resulting	to the following matters: (a) Amenity values and landscape effects; (b) Volume, extent and depth of earthworks; (c) Nature of fill material; (d) Contamination of fill material; (e) Location of the earthworks to waterways, significant indigenous
	than creating a building platform for residential purposes within a site, using imported fill material, must meet all of the following standards: (i) Not exceed a total volume of 20m³; (ii) Not exceed a depth of 1.5m; (iii) The slope of the resulting filled area in stable ground	to the following matters: (a) Amenity values and landscape effects; (b) Volume, extent and depth of earthworks; (c) Nature of fill material; (d) Contamination of fill material; (e) Location of the earthworks to
	than creating a building platform for residential purposes within a site, using imported fill material, must meet all of the following standards: (i) Not exceed a total volume of 20m³; (ii) Not exceed a depth of 1.5m; (iii) The slope of the resulting filled area in stable ground must not exceed a maximum	to the following matters: (a) Amenity values and landscape effects; (b) Volume, extent and depth of earthworks; (c) Nature of fill material; (d) Contamination of fill material; (e) Location of the earthworks to waterways, significant indigenous
	than creating a building platform for residential purposes within a site, using imported fill material, must meet all of the following standards: (i) Not exceed a total volume of 20m³; (ii) Not exceed a depth of 1.5m; (iii) The slope of the resulting filled area in stable ground	to the following matters: (a) Amenity values and landscape effects; (b) Volume, extent and depth of earthworks; (c) Nature of fill material; (d) Contamination of fill material; (e) Location of the earthworks to waterways, significant indigenous vegetation and habitat;

	(iv) Fill material is setback at least 1.5m from all boundaries; (v) Areas exposed by filling are re-vegetated to achieve 80% ground cover within 2 months of the completion of the earthworks; (vi) Sediment resulting from the filling is retained on the site through implementation and maintenance of erosion and sediment controls and does not enter waterways, open drains or overland flow paths; and (vii) Do not divert or change the nature of natural water flows, water bodies or established drainage paths; and (viii) Provided they are not within a kauri root zone.	 (h) Protection of the Hauraki Gulf Catchment Area; (i) Geotechnical stability; (j) Flood risk, including natural water flows and established drainage paths; (k) Land instability, erosion and sedimentation; and (l) The risk of earthworks exacerbating Kauri dieback disease.
EW-R6	Earthworks including the importation of 000036 }	cleanfill to a site [000078] {000047,
LLRZ — Large lot residential zone; and SETZ — Settlement zone	(I) Activity status: NC Where: (a) Earthworks including the importate	tion of cleanfill to a site.

GRZ – General residential zone

EW-R7	Earthworks – general [000078] {000047, 000051, 000036}	
GRZ – General	(I) Activity status: PER Where:	(2) Activity status where compliance not achieved: RDIS
residential zone	(a) Earthworks (excluding the use of cleanfill material or fill material) within a site must meet all of the following standards: (b) Be located more than 1.5m horizontally from any waterway, open drain or overland flow path; (c) Not exceed a volume of 250m³ and an area of not more than 1,000m² over any consecutive 12 month period; (d) The total depth of any excavation or filling does not exceed 1.5m above or below ground level;	Council's discretion is restricted to the following matters: (a) Amenity values and landscape effects; (b) Volume, extent and depth of earthworks; (c) Nature of fill material; (d) Contamination of fill material; (e) Location of the earthworks in relation to waterways, significant indigenous vegetation and habitat; (f) Compaction of the fill material; (g) Volume and depth of fill material;

- (e) The slope of the resulting cut, filled areas or fill batter face in stable ground, does not exceed a maximum of 1:2 (I vertical to 2 horizontal); 1.5m from all boundaries:
- (f) Earthworks are set back at least
- (g) Areas exposed by earthworks are stabilised to avoid runoff within I month and re-vegetated to achieve 80% ground cover within 6 months of cessation of the earthworks:
- (h) Sediment resulting from the earthworks is retained on the site through implementation and maintenance of erosion and sediment controls and does not enter waterways, open drains or overland flow paths;
- (i) Do not divert or change the nature of natural water flows, water bodies or established drainage paths; and
- (i) Provided they are not within a kauri root zone

- (h) Protection of the Hauraki Gulf Catchment Area;
- (i) Geotechnical stability;
- (j) Flood risk, including natural water flows and established drainage paths;
- (k) Land instability, erosion and sedimentation; and
- (I) The risk of earthworks exacerbating Kauri dieback disease.

Earthworks – general [000078] {000047, 000051, 000036}

GRZ -General residential zone

(I) Activity status: PER

Where:

- (a) Earthworks for the purpose of creating a building platform and accessway for residential purposes within a site, including the use of imported cleanfill material or imported fill material, must meet the following standards:
 - (i) Be carried out in accordance with NZS 4431:1989 Code of Practice for Earth Fill for Residential Development; and
 - (ii) Provided they are not within a kauri root zone

(2) Activity status where compliance not achieved: RDIS

Council's discretion is restricted to the following matters:

- (a) Amenity values and landscape effects;
- (b) Volume, extent and depth of earthworks:
- (c) Nature of fill material;
- (d) Contamination of fill material;
- (e) Location of the earthworks in relation to waterways, significant indigenous vegetation and habitat;
- (f) Compaction of the fill material;
- (g) Volume and depth of fill material;
- (h) Protection of the Hauraki Gulf Catchment Area;
- (i) Geotechnical stability;
- (j) Flood risk, including natural water flows and established drainage paths;

		(k) Land instability, erosion and sedimentation; and(I) The risk of earthworks exacerbating Kauri dieback disease.
EW-R9	Earthworks – general [000078] {00004	47 , 000033, 000051, 000036}
GRZ –	(I) Activity status: PER	(2) Activity status where
General	Where:	compliance not achieved: RDIS
residential zone	 (a) Earthworks for purposes other than creating a building platform for residential purposes within a site, using imported fill material must meet all of the following standards: (i) Not exceed a total volume of 20m³; (ii) Not exceed a depth of Im; (iii) The slope of the resulting filled area in stable ground must not exceed a maximum slope of 1:2 (I vertical to 2 horizontal); (iv) Fill material is setback at least 1.5m from all boundaries; (v) Areas exposed by filling are revegetated to achieve 80% ground cover within 2 months of the completion of the earthworks; (vi) Sediment resulting from the filling is retained on the site through implementation and maintenance of erosion and sediment controls and does 	Council's discretion is restricted to the following matters: (i) Amenity values and landscape effects; (ii) Volume, extent and depth of earthworks; (iii) Nature of fill material; (iv) Contamination of fill material; (v) Location of the earthworks in relation to waterways, significant indigenous vegetation and habitat; (vi) Compaction of the fill material; (vii) Volume and depth of fill material; (viii) Protection of the Hauraki Gulf Catchment Area; (ix) Geotechnical stability; (x) Flood risk, including natural water flows and established drainage paths; (xi) Land instability, erosion and sedimentation; and (xii) The risk of earthworks exacerbating Kauri dieback
	not enter waterways, open drains or overland flow paths; (vii) Do not divert or change the nature of natural water flows, water bodies or established drainage paths; and	disease.
	(viii) Provided they are not	
EW-RI0	within a kauri root zone. Earthworks involving the importation of [000078] {000047, 000051, 000036}	
GRZ –	(I) Activity status: NC	
General residential	Where: (a) Earthworks involving the important	tion of controlled fill material to a site
EW-RII	Earthworks – general in PREC31- Lakesi {000047, 000051, 000036}	de Te Kauwhata precinct [000078]

PREC31-Lakeside Te Kauwhata precinct in the GRZ – General residential zone

(I) Activity status: PER

Where:

- (a) Earthworks (excluding the importation of fill, or a CLDC), including earthworks necessary for the construction and maintenance of existing public roads or for construction of new roads in accordance with the Te Kauwhata Lakeside Precinct Plan, must meet all the following standards:
 - (i) do not disturb or move more than 200m² within an individual site in a single calendar year except where the maximum area at any one time shall not exceed 400m², and
 - (ii) in relation to the height of any cut or batter face do not exceed 2m, or
 - (iii) are necessary for building works authorised by a building consent and:
 - (1) The area of earthworks is no more than 150% of the area of those building works, or
 - (2) The earthworks occur on land with an average gradient no steeper than 1:8, or
 - (3) Any trenching for network utilities, or on or offsite utilities within PREC31 Lakeside Te Kauwhata precinct area are backfilled or reinstated to original ground level; or
 - (4) Traffic associated with the works is managed in accordance with a Construction Traffic Management Plan approved by the Waikato District Council as the road controlling authority;
 - (5) Including any cut and batter faces or filled

- (2) Activity status where compliance not achieved: CON Council control shall be reserved over the following matters:
 - (a) Effects on amenity values;
 - (b) Visual effects;
 - (c) Mitigation measures including sediment control;
 - (d) Effects on land utilization;
 - (e) Effects on erosion;
 - (f) Effects on cultural values;
 - (g) Effects on heritage values;
 - (h) Effects on the Lake Waikare flood plain; and
 - (i) The risk of earthworks exacerbating Kauri dieback disease.

areas, are revegetated to achieve 80% ground cover within 12 months of the earthworks being commenced; and (6) Retain sediment within the construction area through the implementation and maintenance of sediment controls: (7) Provided they are not within a kauri root zone. (b) Rules EW-R7 - EW-R10 and SASM-R4 do not apply to earthworks within PREC31-Lakeside Te Kauwhata precinct; and Advice note: The Waikato Pest Management Plan addresses the management of identified pest species, including alligator weed. It includes enforceable controls relating to subdivision and land development in infected areas. EW-RI2 Earthworks – general in PREC31- Lakeside Te Kauwhata precinct [000078] **{000047, 000051, 000036}** PRFC31-(I) Activity status: PER (2) Activity status where Lakeside Te compliance not achieved: RDIS Where: Kauwhata Council's discretion is restricted (a) Earthworks involving imported precinct in the to the following matters: fill material (other than GRZ earthworks approved as part of (a) Effects on amenity values; General a CLDC) meets all of the (b) Visual effects; residential following standards: (c) Effects on indigenous vegetation zone (i) All material for filling is and habitat; cleanfill, and (d) Mitigation measures including (ii) Filling that is not part of replacement planting where building work, or vegetation removal is involved; construction of roads, or (e) Effects on cultural values; installation of infrastructure: (f) Effects on heritage values; and (I) Does not exceed a (g) The risk of earthworks volume of 20m² and a exacerbating Kauri dieback depth of Im, and disease (2) Does not include a building platform, and (3) Does not include placing fill into an area of significant indigenous

vegetation or habitat, or

- (iii) Is for minor upgrading of existing electricity lines and does not exceed 50m², and
 (iv) Where traffic associated with the work uses public roads, is managed in accordance with an approved Construction Traffic Management Plan or authorised in writing by Waikato District Council as the road controlling authority; and
 - (v) Provided they are not within a kauri root zone.
 - (b) Rules EW-R7 EW-R10 and SASM-R4 do not apply to earthworks within PREC31-Lakeside Te Kauwhata precinct.

Advice note: The Waikato Pest Management Plan addresses the management of identified pest species, including alligator weed. It includes enforceable controls relating to subdivision and land development in infected areas.

MRZ – Medium density residential zone

EW-R13	Earthworks – general [000078] {000047, 000051, 000036}	
MRZ – Medium	(I) Activity status: PER Where:	(2) Activity status where compliance not achieved: RDIS
density residential zone	(a) Earthworks (excluding the importation of fill material) within a site must meet all of the following standards: (i) Be located more than 1.5 m horizontally from any waterway, open drain or overland flow path; (ii) Not exceed a volume of 1000m³; (iii) Not exceed an area of Iha over any consecutive 12 month period; (iv) The total depth of any excavation or filling does not exceed 1.5m above or below ground level; (v) The slope of the resulting cut, filled areas or fill batter	Council's discretion is restricted to the following matters: (a) Amenity values and landscape effects; (b) Volume, extent and depth of earthworks; (c) Nature of fill material; (d) Contamination of fill material; (e) Location of the earthworks in relation to waterways, significant indigenous vegetation and habitats; (f) Compaction of the fill material; (g) Volume and depth of fill material; (h) Geotechnical stability;

face in stable ground, does (i) Flood risk, including natural not exceed a maximum of 1:2 water flows and established (I vertical to 2 horizontal); drainage paths: (vi) Earthworks must not result (j) Land instability, erosion and in any instability of land or sedimentation; and structures at, or beyond, the (k) The risk of earthworks boundary of the site where exacerbating Kauri dieback the land disturbance occurs; disease. (vii) Areas exposed by earthworks are revegetated to achieve 80% ground cover within 2 months of the completion of the earthworks: (viii) Sediment resulting from the earthworks is retained on the site through implementation and maintenance of erosion and sediment controls and does not enter waterways, open drains or overland flow paths; and (ix) Do not divert or change the nature of natural water flows, water bodies or stablished drainage paths; and (x) Provided they are not within a kauri root zone Earthworks – general [000078] {000047, 000051} EW-RI4 MRZ-(I) Activity status: PER (2) Activity status where Medium compliance not achieved: RDIS Where: density Council's discretion is restricted (a) Earthworks for the purpose of residential to the following matters: creating a building platform for zone residential purposes within a (i) Amenity values and landscape site, including the use of effects; imported cleanfill material and (ii) Volume, extent and depth of imported fill material, must meet earthworks: the following standards: (iii) Nature of fill material; (i) Be carried out in accordance (iv) Contamination of fill with NZS 4431:1989 Code of material: Practice for Earth Fill for (v) Location of the earthworks Residential Development; and in relation to waterways, (ii) Provided they are not within significant indigenous a kauri root zone vegetation and habitats; (vi) Compaction of the fill material; (vii) Volume and depth of fill material; (viii) Geotechnical stability;

EW-RI5	Earthworks – general [000078] {00004	
MRZ –	(I) Activity status: PER	(2) Activity status where
Medium density	Where:	compliance not achieved: RDIS
residential zone	 (a) Earthworks for purposes other than creating a building platform for residential purposes within a site, using imported fill material must meet all of the following standards: (i) Not exceed a total volume of 50m³; (ii) Not exceed a depth of 1.5m; (iii) The slope of the resulting filled area in stable ground must not exceed a maximum slope of 1:2 (1 vertical to 2 horizontal); (iv) Earthworks must not result in any instability of land or structures at or beyond the boundary of the site where the land disturbance occurs; (v) Areas exposed by filling are revegetated to achieve 80% ground cover within 2 months of the completion of the earthworks; (vi) Sediment resulting from the filling is retained on the site through implementation and maintenance of erosion and sediment controls and does not enter waterways, open drains or overland flow paths; (vii) Do not divert or change the nature of natural water flows, water bodies or established drainage paths; and 	Council's discretion is restricted to the following matters: (a) Amenity values and landscape effects; (b) Volume, extent and depth of earthworks; (c) Nature of fill material; (d) Contamination of fill material; (e) Location of the earthworks in relation to waterways, significant indigenous vegetation and habitats; (f) Compaction of the fill material; (g) Volume and depth of fill material; (h) Geotechnical stability; (i) Flood risk, including natural water flows and established drainage paths; (j) Land instability, erosion and sedimentation; and (k) The risk of earthworks exacerbating Kauri dieback disease
	(viii) Provided they are not	
	within a kauri root zone	
EW-RI6	Earthworks – general [000078] {00004	17, 000036}
MRZ – Medium	(I) Activity status: NC	

density	Where:
residential	(a) Earthworks involving the importation of controlled fill material to a site.
zone	

GRUZ – General rural zone

Advice note: the National Environmental Standards for Freshwater 2020 also contain rules relating to earthworks and apply in addition to the District Plan rules.

EW-RI7	Ancillary rural earthworks [000078, 00	0051] <mark>{000047, 000051, 000036}</mark>
	(I) Activity status: PER	(2) Activity status where
General rural	Activity specific conditions:	compliance not achieved: RDIS
zone;	(a) Provided they are not within a	Council's discretion is restricted
CORZ –	kauri root zone	to the following matters:
Corrections		(a) The risk of earthworks
Zone;		exacerbating Kauri dieback
FUZ – Future		disease
urban zone; and TTZ –		
TaTa Valley		
zone		
	A farm quarry [000078] {000047, 000	051, 000036}
	(I) Activity status: PER	(2) Activity status where
C	Activity specific conditions:	compliance not achieved: RDIS
zone;	(a) Where the volume of aggregate	Council's discretion is restricted
CORZ –	extracted does not exceed	to the following matters:
Corrections	1000m ³ in any single consecutive	(a) Amenity values and landscape
Zone;	12 month period;	effects;
FUZ – Future	(b) Earthworks are setback 5m	(b) Volume, extent and depth of
urban zone;	horizontally from any waterway,	earthworks;
and TTZ –	open drain or overland flow	(c) Nature of fill material;
TaTa Valley	path; and	(d) Contamination of fill material or
zone	(c) Provided they are not within a	cleanfill;
	kauri root zone.	(e) Location of the earthworks to
		waterways, significant indigenous
		vegetation and habitat;
		(f) Compaction of the fill material;
		(g) Volume and depth of fill
		material;
		(h) Protection of the Hauraki Gulf
		Catchment Area;
		(i) Geotechnical stability;
		(j) Flood risk, including natural
		water flows and established
		drainage paths;
		(k) Land instability, erosion and
		sedimentation; and
		(I) Effects on the safe, effective and
		efficient operation, maintenance
		and upgrade of infrastructure,
		including access; and

		(m) The risk of earthworks exacerbating Kauri dieback disease.
EW-R19	Earthworks required to form a building p	
GRUZ – General rural	000036} (1) Activity status: PER	(2) Activity status where compliance not achieved: RDIS
zone; CORZ – Corrections Zone; FUZ – Future urban zone; and TTZ – TaTa Valley zone	(a) Earthworks required to form a building platform that will be subject to a building consent where undertaken in accordance with NZS 4431:1989 Code of Practice for Earth Fill for Residential Development; and (b) Provided they are not within a kauri root zone.	Council's discretion is restricted to the following matters: (a) Amenity values and landscape effects; (b) Volume, extent and depth of earthworks; (c) Nature of fill material; (d) Contamination of fill material or cleanfill; (e) Location of the earthworks to waterways, significant indigenous vegetation and habitat; (f) Compaction of the fill material; (g) Volume and depth of fill material; (h) Protection of the Hauraki Gulf Catchment Area; (i) Geotechnical stability; (j) Flood risk, including natural water flows and established drainage paths; (k) Land instability, erosion and sedimentation; (l) Effects on the safe, effective and efficient operation, maintenance and upgrade of infrastructure, including access; and (m) The risk of earthworks exacerbating Kauri dieback disease.
EW-R20	Earthworks ancillary to a conservation a 000036 }	ctivity [000078] {000047, 000051,
GRUZ – General rural	(I) Activity status: PER	(2) Activity status where
zone;	Activity specific conditions:	compliance not achieved: RDIS Council's discretion is restricted
CORZ –	(a) Shall meet the following standards:	to the following matters:
Corrections Zone; FUZ – Future	(i) Sediment resulting from the earthworks is managed on	(a) Amenity values and landscape effects;
urban zone;	the site through implementation and	(b) Volume, extent and depth of earthworks;
and TTZ – TaTa Valley	maintenance of erosion and	(c) Nature of fill material;
zone	sediment controls and does not enter waterways, open	(d) Contamination of fill material or cleanfill;

drains or overland flow	
paths; and	

- (ii) Provided they are not within a kauri root zone
- (e) Location of the earthworks to waterways, significant indigenous vegetation and habitat;
- (f) Compaction of the fill material;
- (g) Volume and depth of fill material;
- (h) Protection of the Hauraki Gulf Catchment Area;
- (i) Geotechnical stability;
- (j) Flood risk, including natural water flows and established drainage paths;
- (k) Land instability, erosion and sedimentation;
- (I) Effects on the safe, effective and efficient operation, maintenance and upgrade of infrastructure, including access; and
- (m) The risk of earthworks exacerbating Kauri dieback disease.

Earthworks – general [000078, 000051] {000047, 000033, 000036, 000064}

EW-R2I

GRUZ – General rural zone; CORZ – Corrections Zone; FUZ – Future urban zone; and TTZ – TaTa Valley zone

(I) Activity status: PER

Where:

- (a) With the exception of earthworks for the activities listed in EW-R16 EW-R20 earthworks within a site must meet all of the following standards:
 - (i) Do not exceed a volume of more than 1000m³ and an area of more than 2000m² over in any single consecutive 12 month period;
 - (ii) The total combined depth of any excavation (excluding drilling) or filling does not exceed 3m above or below natural ground level;
 - (iii) Take place on land with a maximum slope of 1:2 (I vertical to 2 horizontal);
 - (iv) Earthworks are setback a minimum of 1.5m from all boundaries;
 - (v) Areas exposed by earthworks are stabilised on completion and any remaining bare ground re-vegetated to achieve 80%

- (a) Amenity values and landscape effects:
- (b) Volume, extent and depth of earthworks;
- (c) Nature of fill material;
- (d) Contamination of fill material or cleanfill;
- (e) Location of the earthworks to waterways, significant indigenous vegetation and habitat;
- (f) Compaction of the fill material;
- (g) Volume and depth of fill material;
- (h) Protection of the Hauraki Gulf Catchment Area;
- (i) Geotechnical stability;
- (j) Flood risk, including natural water flows and established drainage paths;
- (k) Land instability, erosion and sedimentation; and
- (I) Effects on the safe, effective and efficient operation, maintenance

- ground cover within 2 months of the completion of the earthworks;
- (vi) Sediment resulting from the earthworks is managed on the site through implementation and maintenance of erosion and sediment controls and does not enter waterways, open drains or overland flow paths; and
- (vii) Provided they are not within a kauri root zone.

- and upgrade of infrastructure, including access; and
- (m) The risk of earthworks exacerbating Kauri dieback disease.

GRUZ –
General rural
zone;
CORZ –
Corrections
Zone;
FUZ – Future
urban zone;
and TTZ –
TaTa Valley
zone

Earthworks – general [000078] {000047, 000033, 000051, 000036, 000064} (1) Activity status: PER (2) Activity status where

Where:

(a) With the exception of earthworks for the activities listed in EW-R16 – EW-R20 using imported cleanfill material, concrete or brick must meet all

of the following standards;

- (i) Do not exceed a total volume of 500m³ in any single consecutive 12 month period;
- (ii) Do not exceed a depth of Im above natural ground level;
- (iii) The slope of the resulting filled area in stable ground does not exceed a maximum slope of 1:2 (1 vertical to 2 horizontal);
- (iv) Fill material is setback a minimum of 1.5m from all boundaries;
- (v) Areas exposed by filling are re-vegetated to achieve 80% ground cover within 2 months of the completion of the filling;
- (vi) Sediment resulting from the filling is retained on the site through implementation and maintenance of erosion and sediment controls and does not enter waterways, open drains or overland flow paths; and

- (a) Amenity values and landscape effects;
- (b) Volume, extent and depth of earthworks;
- (c) Nature of fill material;
- (d) Contamination of fill material or cleanfill;
- (e) Location of the earthworks to waterways, significant indigenous vegetation and habitat;
- (f) Compaction of the fill material;
- (g) Volume and depth of fill material;
- (h) Protection of the Hauraki Gulf Catchment Area;
- (i) Geotechnical stability;
- (j) Flood risk, including natural water flows and established drainage paths;
- (k) Land instability, erosion and sedimentation:
- (I) Effects on the safe, effective and efficient operation, maintenance and upgrade of infrastructure, including access; and
- (m) The risk of earthworks exacerbating Kauri dieback disease.

	(vii) Provided they are not within a kauri root zone.	
EW-R23	Earthworks within a Whaanga Coast dev PREC5 – Whaanga Coast development p	
PREC5 – Whaanga Coast development precinct	(I) Activity status: PER Where: (a) Earthworks within a Whaanga Coast development specific control area that complies with all of the following standards: (i) Do not exceed a volume of more than 500m³ and an area of more than 1000m²; (ii) The total depth of any excavation or filling does not exceed 1.5m above or below ground level with a maximum slope of 1:2 (I vertical to 2 horizontal); (iii) Areas exposed by earthworks are re-vegetated to achieve 80% ground cover within 2 months of the completion of the earthworks; (iv) Sediment resulting from the earthworks is retained on the site through implementation and maintenance of erosion and sediment controls and does not enter waterways, open drains or overland flow paths; (v) Do not divert or change the nature of natural water flows, water bodies or established drainage; and (vi) Provided they are not within a kauri root zone (b) Rules EW-R17 to EW-R22 do not apply to earthworks within PREC5 – Whaanga Coast development precinct.	(2) Activity status where compliance not achieved: DIS

RLZ – Rural lifestyle zone

EW-R24	Earthworks – general	[000078] <mark>{000047, 000051, 000036</mark> }	
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RLZ – Rural (I) Activity status: PER (2) Activity status where lifestyle zone compliance not achieved: RDIS Where: Council's discretion is restricted (a) Earthworks within a site for: to the following matters: (i) Ancillary rural earthworks; or (a) Amenity values and landscape (ii) Construction and/or effects; maintenance of tracks, fences (b) Volume, extent and depth of or drains; or earthworks: (iii) A building platform for a (c) Nature of fill material; residential activity including an accessory building. (d) Contamination of fill material; (b) Provided they are not within a (e) Location of the earthworks to kauri root zone. waterways, significant indigenous vegetation and habitat; (f) Compaction of the fill material; (g) Volume and depth of fill material; (h) Protection of the Hauraki Gulf Catchment Area: (i) Geotechnical stability; (i) Flood risk, including natural water flows and established drainage paths; (k) Land instability, erosion and sedimentation; (I) Effects on the safe, effective and efficient operation, maintenance and upgrade of infrastructure, including access; and (m) The risk of earthworks exacerbating Kauri dieback disease. **EW-R25** Earthworks – general [000078] {000047, 000051, 000036} RLZ – Rural (I) Activity status: PER (2) Activity status where lifestyle zone compliance not achieved: RDIS Where: Council's discretion is restricted (a) Earthworks within a site for to the following matters: purposes other those contained in EW-R24 (excluding the (a) Amenity values and landscape importation of fill material) must effects: meet all of the following (b) Volume, extent and depth of standards: earthworks; (i) Do not exceed a volume of (c) Nature of fill material; more than 500m³ and an area (d) Contamination of fill material; of more than 1000m² within (e) Location of the earthworks to a site over any single waterways, significant indigenous consecutive 12 month vegetation and habitat; period; (f) Compaction of the fill material; (ii) The total depth of any (g) Volume and depth of fill excavation or filling does not material: exceed 1.5m above or below (h) Protection of the Hauraki Gulf ground level; Catchment Area;

- (iii) Earthworks are set back at least 1.5m from any boundary;
- (iv) Areas exposed by earthworks are re-vegetated or otherwise stabilised to achieve 80% ground cover within 2 months of the completion of the earthworks;
- (v) Sediment resulting from the earthworks is retained on the site through implementation and maintenance of erosion and sediment controls and does not enter waterways, open drains or overland flow paths;
- (vi) Do not divert or change the nature of natural water flows, water bodies or established drainage paths; and
- (vii) Provided they are not within a kauri root zone.

- (i) Geotechnical stability;
- (j) Flood risk, including natural water flows and established drainage paths;
- (k) Land instability, erosion and sedimentation;
- (I) Effects on the safe, effective and efficient operation, maintenance and upgrade of infrastructure, including access; and
- (m) The risk of earthworks exacerbating Kauri dieback disease.

Earthworks – general [000078] {000047, 000051, 000036}

RLZ – Rural lifestyle zone

(I) Activity status: PER Where:

- (a) Earthworks for purposes other than creating a building platform for residential purposes within a site, using imported fill material must meet all of the following standards:
 - (i) Not exceed a total volume of 50m³:
 - (ii) Not exceed a depth of 1.5m;
 - (iii) The slope of the resulting filled area in stable ground must not exceed a maximum slope of 1:2 (1 vertical to 2 horizontal);
 - (iv) Fill material is set back 1.5m from all boundaries;
 - (v) Areas exposed by filling are re-vegetated to achieve 80% ground cover within 2 months of the completion of the earthworks;
 - (vi) Sediment resulting from the filling is retained on the site through implementation and maintenance of erosion and

- (a) Amenity values and landscape effects;
- (b) Volume, extent and depth of earthworks;
- (c) Nature of fill material;
- (d) Contamination of fill material;
- (e) Location of the earthworks to waterways, significant indigenous vegetation and habitat;
- (f) Compaction of the fill material;
- (g) Volume and depth of fill material;
- (h) Protection of the Hauraki Gulf Catchment Area;
- (i) Geotechnical stability;
- (j) Flood risk, including natural water flows and established drainage paths;
- (k) Land instability, erosion and sedimentation;
- (I) Effects on the safe, effective and efficient operation, maintenance

	sediment controls and does not enter waterways, open drains or overland flow paths; (vii) Do not divert or change the nature of natural water flows, water bodies or established drainage paths; and (viii) Provided they are not within a kauri root zone.	and upgrade of infrastructure, including access; and (m) The risk of earthworks exacerbating Kauri dieback disease.
EW-R27	Earthworks including the importation of 000036 }	cleanfill to a site [000078] {000047,
RLZ – Rural	(I) Activity status: NC	
lifestyle zone	Where:	
	(a) Earthworks including the importation of cleanfill to a site.	

LCZ – Local centre zone and COMZ – Commercial zone

EW-R28	Earthworks – general [000078] {00004	47, 000051, 000036}
LCZ – Local centre zone;	(I) Activity status: PER Where:	(2) Activity status where compliance not achieved: RDIS
COMZ – Commercial zone	(a) Earthworks within a site must meet all of the following standards: (i) Be located more than 1.5m from infrastructure including a public sewer, open drain, overland flow path or other public service pipe; (ii) Not exceed a volume of more than 250m³ and an area of more than 1,000m² within a site over any single consecutive 12 month period; (iii) The height of the resulting cut, filled areas or fill batter face in stable ground, does not exceed 1.5m, with a maximum slope of 1:2 (1 vertical to 2 horizontal); (iv) Earthworks are set back at least 1.5m from all boundaries; (v) Areas exposed by earthworks are stabilised to avoid runoff within 1 month and re-vegetated to achieve 80% ground cover within 2 months of completion of the	Council's discretion is restricted to the following matters: (a) Amenity values and landscape effects; (b) Volume, extent and depth of earthworks; (c) Nature of fill material; (d) Contamination of fill material; (e) Location of the earthworks to waterways, significant indigenous vegetation and habitat; (f) Compaction of the fill material; (g) Volume and depth of fill material; (h) Protection of the Hauraki Gulf Catchment Area; (i) Geotechnical stability; (j) Flood risk, including natural water flows and established drainage paths (k) Land instability, erosion and sedimentation; and (l) Proximity to underground services and service connections; and (m) The risk of earthworks exacerbating Kauri dieback disease.

	earthworks or finished with a hardstand surface; (vi) Sediment resulting from the earthworks is retained on the site through implementation and maintenance of erosion and sediment controls and does not enter waterways, open drains or overland flow paths; (vii) Do not divert or change the nature of natural water flows, water bodies or established drainage paths; and (viii) Provided they are not within a kauri root zone	
EVA/ D20		7 000051 00003/1
EW-R29 LCZ – Local centre zone; COMZ – Commercial zone	(I) Activity status: PER Where: (a) Earthworks for the purpose of creating a building platform within a site (including the use of imported fill material) that is: (i) Subject to an approved building consent; and (ii) The earthworks occur wholly within the footprint of the building. (b) For the purposes of this rule, the footprint of the building extends I.8m from the outer edge of the outside wall. (c) For the purposes of this rule, this exemption does not apply to earthworks associated with retaining walls/structures which are not required for the structural support of the building; and (d) Provided they are not within a kauri root zone.	(2) Activity status where compliance not achieved: RDIS Council's discretion is restricted to the following matters: (a) Amenity values and landscape effects; (b) Volume, extent and depth of earthworks; (c) Nature of fill material; (d) Contamination of fill material; (e) Location of the earthworks to waterways, significant indigenous vegetation and habitat; (f) Compaction of the fill material; (g) Volume and depth of fill material; (h) Protection of the Hauraki Gulf Catchment Area; (i) Geotechnical stability; (j) Flood risk, including natural water flows and established drainage paths (k) Land instability, erosion and sedimentation; (l) Proximity to underground services and service connections; and (m) The risk of earthworks exacerbating Kauri dieback
EVA/ D20	F	disease.
EW-R30	Earthworks – general [000078] {00003	
LCZ – Local centre zone;	(I) Activity status: PER Where:	(2) Activity status where compliance not achieved: RDIS

COMZ – Commercial zone

- (a) Earthworks using the importation of fill material to a site must meet all of the following standards:
 - (i) Must not exceed a total volume of 500m³ per site and a depth of Im (excluding backfill)
 - (ii) The slope of the resulting filled area in stable ground must not exceed a maximum slope of 1:2 (Im vertical to 2m horizontal);
 - (iii) Fill material is setback at least 1.5m from all boundaries:
 - (iv) Areas exposed by earthworks are stabilised to avoid runoff within 1 month and revegetated to achieve 80% ground cover within 6 months of the cessation of the earthworks:
 - (v) Sediment resulting from the earthworks is retained on the site through implementation and maintenance of erosion and sediment controls and does not enter waterways, open drains or overland flow paths;
 - (vi) Do not divert or change the nature of natural water flows, water bodies or established drainage paths; and
 - (vii) Provided they are not within a kauri root zone.

Council's discretion is restricted to the following matters:

- (a) Amenity values and landscape effects;
- (b) Volume, extent and depth of earthworks;
- (c) Nature of fill material;
- (d) Contamination of fill material;
- (e) Location of the earthworks to waterways, significant indigenous vegetation and habitat;
- (f) Compaction of the fill material;
- (g) Volume and depth of fill material;
- (h) Protection of the Hauraki Gulf Catchment Area;
- (i) Geotechnical stability;
- (j) Flood risk, including natural water flows and established drainage paths
- (k) Land instability, erosion and sedimentation; and
- (I) Proximity to underground services and service connections; and
- (m) The risk of earthworks exacerbating Kauri dieback disease.

TCZ - Town centre zone

EW-R31	Earthworks – general [000078] {000047, 000051, 000036}	
TCZ – Town	(I) Activity status: PER	(2) Activity status where
centre zone	Where:	compliance not achieved: RDIS
	(a) Earthworks within a site must meet all of the following	Council's discretion is restricted to the following matters:
	standards: (i) Earthworks must be located	(a) Amenity values and landscape effects;
	more than 1.5m from infrastructure including a	(b) Volume, extent and depth of earthworks;
	public sewer, open drain, overland flow path or other public service pipe;	(c) Nature of fill material; (d) Contamination of fill material;

- (ii) Earthworks must not exceed a volume of more than 250m³ and an area of more than 1,000m² within a site over any single consecutive 12 month period;
- (iii) The height of the resulting cut, filled areas or fill batter face in stable ground, , does not exceed 1.5m, with a maximum slope of 1:2 (I vertical to 2 horizontal);
- (iv) Earthworks are set back at least 1.5m from all boundaries;
- (v) Areas exposed by earthworks are stabilised to avoid runoff within I month and re-vegetated to achieve 80% ground cover within 2 months of completion of the earthworks or finished with a hardstand surface;
- (vi) Sediment resulting from the earthworks is retained on the site through implementation and maintenance of erosion and sediment controls and does not enter waterways, open drains or overland flow paths;
- (vii) Earthworks must not divert or change the nature of natural water flows, waterbodies or established drainage paths;
- (viii) Earthworks must not result in the site being unable to be serviced by gravity sewers; and
- (ix) Provided they are not within a kauri root zone.

- (e) Location of the earthworks in relation to waterways, significant indigenous vegetation and habitat;
- (f) Compaction of the fill material;
- (g) Volume and depth of fill material;
- (h) Protection of the Hauraki Gulf Catchment Area;
- (i) Geotechnical stability;
- (j) Flood risk, including natural water flows and established drainage paths
- (k) Land instability, erosion and sedimentation;
- (I) Proximity to underground services and service connections; and
- (m) The risk of earthworks exacerbating Kauri dieback disease.

EW-R32 Earthworks – general [000078] {000047, 000051, 000036}

TCZ – Town centre zone

(I) Activity status: PER Where:

- (a) Earthworks for the purpose of creating a building platform within a site (including the use of imported fill material) that is:
 - (i) Subject to an approved building consent; and

- (a) Amenity values and landscape effects;
- (b) Volume, extent and depth of earthworks;
- (c) Nature of fill material;

- (ii) The earthworks occur wholly within the footprint of the building.
- (b) For the purposes of this rule, the footprint of the building extends 1.8m from the outer edge of the outside wall.
- (c) For the purposes of this rule, this exemption does not apply to earthworks associated with retaining walls/structures which are not required for the structural support of the building; and
- (d) Provided they are not within a kauri root zone.

- (d) Contamination of fill material;
- (e) Location of the earthworks in relation to waterways, significant indigenous vegetation and habitat;
- (f) Compaction of the fill material;
- (g) Volume and depth of fill material;
- (h) Protection of the Hauraki Gulf Catchment Area;
- (i) Geotechnical stability;
- (j) Flood risk, including natural water flows and established drainage paths
- (k) Land instability, erosion and sedimentation;
- (I) Proximity to underground services and service connections; and
- (m) The risk of earthworks exacerbating Kauri dieback disease.

Earthworks – general [000078] {000047, 000051, 000036}

TCZ – Town centre zone

(I) Activity status: PER Where:

- (a) Earthworks using the importation of fill material to a site must meet all of the following standards:
 - (i) Must not exceed a total volume of 500m³ per site and a depth of Im (excluding backfill);
 - (ii) The slope of the resulting filled area in stable ground must not exceed a maximum slope of 1:2 (Im vertical to 2m horizontal);
 - (iii) Fill material is set back at least 1.5m from all boundaries;
 - (iv) Areas exposed by earthworks are stabilised to avoid runoff within I month and revegetated to achieve 80% ground cover within 6 months of the cessation of the earthworks;
 - (v) Sediment resulting from the earthworks is retained on the site through implementation

- (a) Amenity values and landscape effects;
- (b) Volume, extent and depth of earthworks;
- (c) Nature of fill material;
- (d) Contamination of fill material;
- (e) Location of the earthworks in relation to waterways, significant indigenous vegetation and habitat;
- (f) Compaction of the fill material;
- (g) Volume and depth of fill material;
- (h) Protection of the Hauraki Gulf Catchment Area;
- (i) Geotechnical stability;
- (j) Flood risk, including natural water flows and established drainage paths
- (k) Land instability, erosion and sedimentation;

- and maintenance of erosion and sediment controls and does not enter waterways, open drains or overland flow paths;
- (vi) Do not divert or change the nature of natural water flows, water bodies or established drainage paths; and
- (vii) Provided they are not within a kauri root zone.

- (I) Proximity to underground services and service connections; and
- (m) The risk of earthworks exacerbating Kauri dieback disease.

GIZ – General industrial zone

EW-R34	Earthworks – general [000078] {00004	17, 000051, 000036}
GIZ – General industrial zone	(I) Activity status: PER Where:	(2) Activity status where compliance not achieved: RDIS
	(a) Earthworks (excluding the importation of fill material) within a site that: (i) Are located at least 1.5 m from any water body, open drain or overland flow path; (ii) Do not exceed a volume of 10,000m³; (iii) Do not exceed an area of more than 10,000m² within a 12 month period; (iv) Do not exceed a slope in stable ground of 1:2 (1 metre vertical to 2 metre horizontal); (v) Result in exposed areas being re-vegetated to achieve 80% ground cover within 2 months of the completion of the earthworks, or finished with a hardstand surface; (vi) Result in sediment being retained on the site through implementation and maintenance of erosion and sediment controls and does not enter waterways, open drains or overland flow paths; (vii) Do not result in any change to natural water flows, any water body or established drainage path; and (viii) Provided they are not within a kauri root zone.	Council's discretion is restricted to the following matters: (a) Amenity values and landscape effects; (b) Volume, extent and depth of earthworks; (c) Nature of fill material; (d) Contamination of fill material; (e) Location of the earthworks in relation to waterways, significant indigenous vegetation and habitat; (f) Compaction of the fill material; (g) Volume and depth of fill material; (h) Protection of the Hauraki Gulf Catchment Area; (i) Geotechnical stability; (j) Flood risk, including natural water flows and established drainage paths; (k) land instability, erosion and sedimentation; and (l) The risk of earthworks exacerbating Kauri dieback disease.

EW-R35	Earthworks – general [000078] {00004	17 , 000051}
GIZ – General	(I) Activity status: PER	(2) Activity status where
industrial zone	Where:	compliance not achieved: RDIS
	(a) Earthworks within a site that	Council's discretion is restricted
	may, or may not, involve	to the following matters:
	imported cleanfill material, for	(a) Amenity values and landscape
	the purpose of creating a	effects;
	building platform and/or ancillary	(b) Volume, extent and depth of
	hardstand area:	earthworks;
	(i) Provided they are not within	(c) Nature of fill material;
	a kauri root zone.	(d) Contamination of fill material;
		(e) Location of the earthworks in
		relation to waterways, significant indigenous vegetation and habitat;
		(f) Compaction of the fill material;
		(g) Volume and depth of fill material;
		(h) Protection of the Hauraki Gulf
		Catchment Area;
		(i) Geotechnical stability;
		(j) Flood risk, including natural
		water flows and established drainage paths;
		(k) land instability, erosion and sedimentation; and
	15	(I) The risk of earthworks
		exacerbating Kauri dieback
		disease.
EW-R36	Earthworks - general [000078] {00004	7, 000051, 000036}
GIZ – General	(I) Activity status: PER	(2) Activity status where
industrial zone	Where:	compliance not achieved: RDIS
	(a) Earthworks involving imported	Council's discretion is restricted
	fill material (excluding cleanfill	to the following matters:
	material) for purposes other	(a) Amenity values and landscape
	than creating a building platform	effects;
	for residential purposes within a site, that:	(b) Volume, extent and depth of earthworks;
	(i) Are located at least 1.5	(c) Nature of fill material;
	metres from any water body,	(d) Contamination of fill material;
_	open drain or overland flow	(e) Location of the earthworks in
	path;	relation to waterways, significant
	(ii) Do not exceed a volume of 10,000m ³ ;	indigenous vegetation and habitat;
	(iii) Do not exceed a slope in	(f) Compaction of the fill material;
	stable ground of 1:2 (I metre	(g) Volume and depth of fill
	vertical to 2 metre	material;
	horizontal);	(h) Protection of the Hauraki Gulf
	(iv) Result in exposed areas	Catchment Area;
	being re-vegetated to achieve 80% ground cover within 2	(i) Geotechnical stability;

- months of the completion of the earthworks, or finished with a hardstand surface;
- (v) Result in sediment being retained on the site through implementation and maintenance of erosion and sediment controls and does not enter waterways, open drains or overland flow paths;
- (vi) Do not result in any change to natural water flows, any water body or established drainage path; and
- (vii) Provided they are not within a kauri root zone.

- (j) Flood risk, including natural water flows and established drainage paths;
- (k) land instability, erosion and sedimentation; and
- (I) The risk of earthworks exacerbating Kauri dieback disease.

HIZ - Heavy industrial zone

EW-R37	Earthworks - general [000078] {00004	47, 000051, 000036}
HIZ – Heavy industrial zone	(I) Activity status: PER Where:	(2) Activity status where compliance not achieved: RDIS
	 (a) Earthworks (excluding the importation of fill material) within a site that: (i) Are located at least 1.5 m from any water body, open drain or overland flow path; (ii) Do not exceed a volume of 10,000m³; (iii) Do not exceed an area of more than 10,000m² within a 12 month period; (iv) Do not exceed a slope in stable ground of 1:2 (1 metre vertical to 2 metre horizontal); (v) Result in exposed areas being re-vegetated to achieve 80% ground cover within 2 months of the completion of the earthworks, or finished with a hardstand surface; (vi) Result in sediment being retained on the site through implementation and maintenance of erosion and sediment controls and does not enter waterways, open drains or overland flow paths; 	Council's discretion is restricted to the following matters: (a) Amenity values and landscape effects; (b) Volume, extent and depth of earthworks; (c) Nature of fill material; (d) Contamination of fill material; (e) Location of the earthworks to waterways, significant indigenous vegetation and habitat; (f) Compaction of the fill material; (g) Volume and depth of fill material; (h) Protection of the Hauraki Gulf Catchment Area; (i) Geotechnical stability; (j) Flood risk, including natural water flows and established drainage paths; (k) Land instability, erosion and sedimentation; and (l) The risk of earthworks exacerbating Kauri dieback disease.

	(::) D	
	(vii) Do not result in any change	
	to natural water flows, any	
	water body or established	
	drainage path; and	
	(viii) Provided they are not	
	within a kauri root zone.	
EW-R38	Earthworks – general [000078] {00004	
HIZ – Heavy	(I) Activity status: PER	(2) Activity status where
industrial zone	Where:	compliance not achieved: RDIS
	(a) Earthworks within a site that	Council's discretion is restricted
	may, or may not, involve	to the following matters:
	imported cleanfill material, for	(a) Amenity values and landscape
	the purpose of creating a	effects;
	building platform and/or ancillary	(b) Volume, extent and depth of
	hardstand area:	earthworks;
	(i) Provided they are not within	(c) Nature of fill material;
	a kauri root zone.	(d) Contamination of fill material;
		(e) Location of the earthworks to
		waterways, significant indigenous
		vegetation and habitat;
		(f) Compaction of the fill material;
		(g) Volume and depth of fill
		material;
		(h) Protection of the Hauraki Gulf
		Catchment Area;
		(i) Geotechnical stability;
	16	(j) Flood risk, including natural
		water flows and established
		drainage paths;
		(k) Land instability, erosion and
		sedimentation; and
		(I) The risk of earthworks
		exacerbating Kauri dieback
		disease.
EW-R39	Earthworks – general [000078] {00004	
HIZ – Heavy	(1) Activity status: PER	(2) Activity status where
industrial zone		compliance not achieved: RDIS
ilidusti lai zone	Where:	<u>-</u>
	(a) Earthworks involving imported	Council's discretion is restricted
	fill material (excluding cleanfill	to the following matters:
•	material) for purposes other	(a) Amenity values and landscape
	than creating a building platform	effects;
	for residential purposes within a	(b) Volume, extent and depth of
	site, that:	earthworks;
	(i) Are located at least 1.5	(c) Nature of fill material;
	metres from any water body,	(d) Contamination of fill material;
	open drain or overland flow	(e) Location of the earthworks to
	path	waterways, significant indigenous
	(ii) Do not exceed a volume of	vegetation and habitat;
1	I0,000m³;	(f) Compaction of the fill material;

(iii) Do not exceed a slope in stable ground of 1:2 (I metre vertical to 2 metre horizontal);

- (iv) Result in exposed areas being re-vegetated to achieve 80% ground cover within 2 months of the completion of the earthworks, or finished with a hardstand surface;
- (v) Result in sediment being retained on the site through implementation and maintenance of erosion and sediment controls and does not enter waterways, open drains or overland flow paths;
- (vi) Do not result in any change to natural water flows, any water body or established drainage path; and
- (vii) Provided they are not within a kauri root zone.

- (g) Volume and depth of fill material;
- (h) Protection of the Hauraki Gulf Catchment Area;
- (i) Geotechnical stability;
- (j) Flood risk, including natural water flows and established drainage paths;
- (k) Land instability, erosion and sedimentation; and
- (I) The risk of earthworks exacerbating Kauri dieback disease.

OSZ – Open space zone

EW-R40	Earthworks – general [000078] {000047, 000051, 000036}	
OSZ – Open space zone	(I) Activity status: PER Where:	(2) Activity status where compliance not achieved: RDIS
	 (a) Earthworks (excluding the importation of fill material) within a site must meet all of the following standards: (i) Be located more than 1.5m from a public sewer, open drain, overland flow path or other service pipe; (ii) Not exceed a volume of more than 250m³ and an area of more than 1,000m² over a single consecutive 12-month period; (iii) The height of the resulting cut, filled areas or fill batter face in stable ground, does not exceed 1.5m, with a maximum slope of 1:2 (I vertical to 2 horizontal); (iv) Areas exposed by earthworks are re-vegetated or otherwise stabilised to 	Council's discretion is restricted to the following matters: (a) Amenity values and landscape effects; (b) Volume, extent and depth of earthworks; (c) Nature of fill material; (d) Contamination of fill material; (e) Location of the earthworks to waterways, significant indigenous vegetation and habitat; (f) Compaction of the fill material; (g) Volume and depth of fill material; (h) Protection of the Hauraki Gulf Catchment Area; (i) Geotechnical stability; (j) Flood risk, including natural water flows and established drainage paths;

	achieve 80% ground cover within 2 months of the	(k) Land instability, erosion and sedimentation;
		,
	completion of the earthworks;	(I) Proximity to underground
	,	services and service
	(v) Earthworks are set back at	connections; and
	least 1.5m from all	(m) The risk of earthworks
	boundaries;	exacerbating Kauri dieback
	(vi) Sediment resulting from the	disease.
	earthworks is retained on the	
	site through implementation and maintenance of erosion	
	and sediment controls and	
	does not enter waterways,	
	open drains or overland flow	
	paths;	
	(vii) Does not divert or change	• ()
	the nature of natural water	
	flows, water bodies or	
	established drainage paths;	
	and	
	(viii) Provided they are not	
	within a kauri root zone.	
EW-R4I	Earthworks – general [000078] {00004	47, 000051, 000036}
OSZ – Open	(I) Activity status: PER	(2) Activity status where
		compliance not achieved: RDIS
space zone	Where:	Compliance not achieved. KD13
space zone		Council's discretion is restricted
space zone	Where: (a) Earthworks for purposes of creating a building platform	•
space zone	(a) Earthworks for purposes of	Council's discretion is restricted
space zone	(a) Earthworks for purposes of creating a building platform	Council's discretion is restricted to the following matters:
space zone	(a) Earthworks for purposes of creating a building platform within a site, using imported fill	Council's discretion is restricted to the following matters: (a) Amenity values and landscape
space zone	(a) Earthworks for purposes of creating a building platform within a site, using imported fill material:	Council's discretion is restricted to the following matters: (a) Amenity values and landscape effects; (b) Volume, extent and depth of earthworks;
space zone	(a) Earthworks for purposes of creating a building platform within a site, using imported fill material:(i) Provided they are not within	Council's discretion is restricted to the following matters: (a) Amenity values and landscape effects; (b) Volume, extent and depth of
space zone	(a) Earthworks for purposes of creating a building platform within a site, using imported fill material:(i) Provided they are not within	Council's discretion is restricted to the following matters: (a) Amenity values and landscape effects; (b) Volume, extent and depth of earthworks;
space zone	(a) Earthworks for purposes of creating a building platform within a site, using imported fill material:(i) Provided they are not within	Council's discretion is restricted to the following matters: (a) Amenity values and landscape effects; (b) Volume, extent and depth of earthworks; (c) Nature of fill material;
space zone	(a) Earthworks for purposes of creating a building platform within a site, using imported fill material:(i) Provided they are not within	Council's discretion is restricted to the following matters: (a) Amenity values and landscape effects; (b) Volume, extent and depth of earthworks; (c) Nature of fill material; (d) Contamination of fill material; (e) Location of the earthworks to waterways, significant indigenous
space zone	(a) Earthworks for purposes of creating a building platform within a site, using imported fill material:(i) Provided they are not within	Council's discretion is restricted to the following matters: (a) Amenity values and landscape effects; (b) Volume, extent and depth of earthworks; (c) Nature of fill material; (d) Contamination of fill material; (e) Location of the earthworks to waterways, significant indigenous vegetation and habitat;
space zone	(a) Earthworks for purposes of creating a building platform within a site, using imported fill material:(i) Provided they are not within	Council's discretion is restricted to the following matters: (a) Amenity values and landscape effects; (b) Volume, extent and depth of earthworks; (c) Nature of fill material; (d) Contamination of fill material; (e) Location of the earthworks to waterways, significant indigenous vegetation and habitat; (f) Compaction of the fill material;
space zone	(a) Earthworks for purposes of creating a building platform within a site, using imported fill material:(i) Provided they are not within	Council's discretion is restricted to the following matters: (a) Amenity values and landscape effects; (b) Volume, extent and depth of earthworks; (c) Nature of fill material; (d) Contamination of fill material; (e) Location of the earthworks to waterways, significant indigenous vegetation and habitat;
space zone	(a) Earthworks for purposes of creating a building platform within a site, using imported fill material:(i) Provided they are not within	Council's discretion is restricted to the following matters: (a) Amenity values and landscape effects; (b) Volume, extent and depth of earthworks; (c) Nature of fill material; (d) Contamination of fill material; (e) Location of the earthworks to waterways, significant indigenous vegetation and habitat; (f) Compaction of the fill material; (g) Volume and depth of fill material;
space zone	(a) Earthworks for purposes of creating a building platform within a site, using imported fill material:(i) Provided they are not within	Council's discretion is restricted to the following matters: (a) Amenity values and landscape effects; (b) Volume, extent and depth of earthworks; (c) Nature of fill material; (d) Contamination of fill material; (e) Location of the earthworks to waterways, significant indigenous vegetation and habitat; (f) Compaction of the fill material; (g) Volume and depth of fill
space zone	(a) Earthworks for purposes of creating a building platform within a site, using imported fill material:(i) Provided they are not within	Council's discretion is restricted to the following matters: (a) Amenity values and landscape effects; (b) Volume, extent and depth of earthworks; (c) Nature of fill material; (d) Contamination of fill material; (e) Location of the earthworks to waterways, significant indigenous vegetation and habitat; (f) Compaction of the fill material; (g) Volume and depth of fill material; (h) Protection of the Hauraki Gulf
space zone	(a) Earthworks for purposes of creating a building platform within a site, using imported fill material:(i) Provided they are not within	Council's discretion is restricted to the following matters: (a) Amenity values and landscape effects; (b) Volume, extent and depth of earthworks; (c) Nature of fill material; (d) Contamination of fill material; (e) Location of the earthworks to waterways, significant indigenous vegetation and habitat; (f) Compaction of the fill material; (g) Volume and depth of fill material; (h) Protection of the Hauraki Gulf Catchment Area; (i) Geotechnical stability;
space zone	(a) Earthworks for purposes of creating a building platform within a site, using imported fill material:(i) Provided they are not within	Council's discretion is restricted to the following matters: (a) Amenity values and landscape effects; (b) Volume, extent and depth of earthworks; (c) Nature of fill material; (d) Contamination of fill material; (e) Location of the earthworks to waterways, significant indigenous vegetation and habitat; (f) Compaction of the fill material; (g) Volume and depth of fill material; (h) Protection of the Hauraki Gulf Catchment Area;
space zone	(a) Earthworks for purposes of creating a building platform within a site, using imported fill material:(i) Provided they are not within	Council's discretion is restricted to the following matters: (a) Amenity values and landscape effects; (b) Volume, extent and depth of earthworks; (c) Nature of fill material; (d) Contamination of fill material; (e) Location of the earthworks to waterways, significant indigenous vegetation and habitat; (f) Compaction of the fill material; (g) Volume and depth of fill material; (h) Protection of the Hauraki Gulf Catchment Area; (i) Geotechnical stability; (j) Flood risk, including natural
space zone	(a) Earthworks for purposes of creating a building platform within a site, using imported fill material:(i) Provided they are not within	Council's discretion is restricted to the following matters: (a) Amenity values and landscape effects; (b) Volume, extent and depth of earthworks; (c) Nature of fill material; (d) Contamination of fill material; (e) Location of the earthworks to waterways, significant indigenous vegetation and habitat; (f) Compaction of the fill material; (g) Volume and depth of fill material; (h) Protection of the Hauraki Gulf Catchment Area; (i) Geotechnical stability; (j) Flood risk, including natural water flows and established drainage paths;
space zone	(a) Earthworks for purposes of creating a building platform within a site, using imported fill material:(i) Provided they are not within	Council's discretion is restricted to the following matters: (a) Amenity values and landscape effects; (b) Volume, extent and depth of earthworks; (c) Nature of fill material; (d) Contamination of fill material; (e) Location of the earthworks to waterways, significant indigenous vegetation and habitat; (f) Compaction of the fill material; (g) Volume and depth of fill material; (h) Protection of the Hauraki Gulf Catchment Area; (i) Geotechnical stability; (j) Flood risk, including natural water flows and established
space zone	(a) Earthworks for purposes of creating a building platform within a site, using imported fill material:(i) Provided they are not within	Council's discretion is restricted to the following matters: (a) Amenity values and landscape effects; (b) Volume, extent and depth of earthworks; (c) Nature of fill material; (d) Contamination of fill material; (e) Location of the earthworks to waterways, significant indigenous vegetation and habitat; (f) Compaction of the fill material; (g) Volume and depth of fill material; (h) Protection of the Hauraki Gulf Catchment Area; (i) Geotechnical stability; (j) Flood risk, including natural water flows and established drainage paths; (k) Land instability, erosion and sedimentation;
space zone	(a) Earthworks for purposes of creating a building platform within a site, using imported fill material:(i) Provided they are not within	Council's discretion is restricted to the following matters: (a) Amenity values and landscape effects; (b) Volume, extent and depth of earthworks; (c) Nature of fill material; (d) Contamination of fill material; (e) Location of the earthworks to waterways, significant indigenous vegetation and habitat; (f) Compaction of the fill material; (g) Volume and depth of fill material; (h) Protection of the Hauraki Gulf Catchment Area; (i) Geotechnical stability; (j) Flood risk, including natural water flows and established drainage paths; (k) Land instability, erosion and

		(m) The risk of earthworks exacerbating Kauri dieback disease.
EW-R42	Earthworks – general [000078] {00004	1 7, 000051, 000033, 000036}
OSZ – Open	(I) Activity status: PER	(2) Activity status where
space zone	Where:	•
space zone	Where: (a) Earthworks for purposes other than creating a building platform within a site, using imported fill material (excluding cleanfill) must meet all of the following standards: (i) Must not exceed a total volume of 500m3 per site and a depth of 1m; (ii) The slope of the resulting in stable ground must not exceed a maximum slope of 1:2 (1m vertical to 2m horizontal); (iii) Fill material is setback at least 1.5m from all boundaries; (iv) Areas exposed by filling are revegetated to achieve 80% ground cover within 2 months of the completion of the earthworks; (v) Sediment resulting from the filling is retained on the site through implementation and maintenance of erosion and	compliance not achieved: RDIS Council's discretion is restricted to the following matters: (a) Amenity values and landscape effects; (b) Volume, extent and depth of earthworks; (c) Nature of fill material; (d) Contamination of fill material; (e) Location of the earthworks to waterways, significant indigenous vegetation and habitat; (f) Compaction of the fill material; (g) Volume and depth of fill material; (h) Protection of the Hauraki Gulf Catchment Area; (i) Geotechnical stability; (j) Flood risk, including natural water flows and established drainage paths; (k) Land instability, erosion and sedimentation; (l) Proximity to underground services and service connections; and
	maintenance of erosion and sediment controls and does not enter waterways, open drains or overland flow paths;	(m) The risk of earthworks exacerbating Kauri dieback disease.
	 (vi) Do not divert or change the nature of natural water flows, water bodies or established drainage paths; and (vii) Provided they are not within a kauri root zone. 	
EW-R43	Earthworks – general [000078] {00004	17, 000036}
OSZ – Open	(I) Activity status: NC	
space zone	(a) Importation of cleanfill to a site.	

BTZ – Business Tamahere zone

EW-R44	Earthworks – general [000078] {000047, 000051, 000036}	
BTZ –	(I) Activity status: PER	(2) Activity status where
Business	Where:	compliance not achieved: RDIS

Council's discretion is restricted **Tamahere** (a) Earthworks within a site must to the following matters: zone meet all of the following standards: (a) Amenity values and landscape effects: (i) Earthworks must be located more than 1.5m from (b) Volume, extent and depth of infrastructure including a earthworks; public sewer, open drain, (c) Nature of fill material; overland flow path or other (d) Contamination of fill material; public service pipe; (e) Location of the earthworks in (ii) Earthworks must not exceed relation to waterways, significant a volume of more than indigenous vegetation and 5000m³ and an area of more habitat: than 1000m² within a site; (f) Compaction of the fill material; (iii) The height of the resulting (g) Volume and depth of fill cut, filled areas or fill batter material; face in stable ground, does (h) Protection of the Hauraki Gulf not exceed 1.5m, with a Catchment Area; maximum slope of 1:2 (1 (i) Geotechnical stability; vertical to 2 horizontal); (j) Flood risk, including natural (iv) Areas exposed by water flows and established earthworks are stabilised to drainage paths avoid runoff within I month (k) Land instability, erosion and and re-vegetated to achieve 80% ground cover within 6 sedimentation: months of cessation of the (I) Proximity to underground earthworks: services and service connections; and (v) Sediment resulting from the earthworks is retained on the (m) The risk of earthworks site through implementation exacerbating Kauri dieback and maintenance of erosion disease. and sediment controls and does not enter waterways, open drains or overland flow paths; and (vi) Provided they are not within a kauri root zone. Earthworks – general [000078] {000047, 000051, 000036} **EW-R45** BTZ -(I) Activity status: PER (2) Activity status where **Business** compliance not achieved: RDIS Where: **Tamahere** Council's discretion is restricted (a) Earthworks for the purpose of zone to the following matters: creating a building platform within a site (including the use of (a) Amenity values and landscape imported fill material) that is: effects; (i) Subject to an approved (b) Volume, extent and depth of building consent; earthworks: (ii) The earthworks occur (c) Nature of fill material; wholly within the footprint of (d) Contamination of fill material; the building;

(e) Location of the earthworks in

indigenous vegetation and

habitat;

relation to waterways, significant

(iii) The earthworks do not

(b) For the purposes of this rule,

the footprint of the building

within a kauri root zone.

- extends 1.8m from the outer edge of the outside wall.
- (c) For the purposes of this rule, this exemption does not apply to earthworks associated with retaining walls/structures which are not required for the structural support of the building.
- (f) Compaction of the fill material;
- (g) Volume and depth of fill material;
- (h) Protection of the Hauraki Gulf Catchment Area;
- (i) Geotechnical stability;
- (j) Flood risk, including natural water flows and established drainage paths
- (k) Land instability, erosion and sedimentation;
- (I) Proximity to underground services and service connections; and
- (m) The risk of earthworks exacerbating Kauri dieback disease.

Earthworks – general [000078] {000033, 000047, 000051, 000036}

BTZ – Business Tamahere zone

(I) Activity status: PER

Where:

- (a) Earthworks using the importation of fill material to a site must meet all of the following standards:
 - (i) Must not exceed a total volume of 500m³ per site and a depth of Im (excluding backfill);
 - (ii) The slope of the resulting filled area in stable ground must not exceed a maximum slope of 1:2 (Im vertical to 2m horizontal);
 - (iii) Fill material is setback at least 1.5m from all boundaries;
 - (iv) Areas exposed by
 earthworks are stabilised to
 avoid runoff within I month
 and revegetated to achieve
 80% ground cover within 6
 months of the cessation of
 the earthworks;
 - (v) Sediment resulting from the earthworks is retained on the site through implementation and maintenance of erosion and sediment controls and does not enter waterways, open drains or overland flow paths;

- (a) Amenity values and landscape effects:
- (b) Volume, extent and depth of earthworks;
- (c) Nature of fill material;
- (d) Contamination of fill material;
- (e) Location of the earthworks in relation to waterways, significant indigenous vegetation and habitat;
- (f) Compaction of the fill material;
- (g) Volume and depth of fill material:
- (h) Protection of the Hauraki Gulf Catchment Area;
- (i) Geotechnical stability;
- (j) Flood risk, including natural water flows and established drainage paths
- (k) Land instability, erosion and sedimentation;
- (I) Proximity to underground services and service connections:
- (m) The risk of earthworks exacerbating Kauri dieback disease.

(vi) Do not divert or change the nature of natural water flows, water bodies or established drainage paths; and	
(vii) Provided they are not within a kauri root zone.	

HOPZ – Hopuhopu zone

EW-R47	Earthworks – general [000078] {00004	17 , 000051, 000036}
HOPZ –	(I) Activity status: PER	(2) Activity status where
Hopuhopu	Where:	compliance not achieved: RDIS
zone	(a) Except as otherwise specified in Advice note I and 2 below: (i) Ancillary rural earthworks provided they are not within a kauri root zone; (ii) A farm quarry where the volume of aggregate extracted does not exceed 1000m³ in any single consecutive I2 month period and provided they are not within a kauri root zone. (b) Earthworks ancillary to a conservation activity must meet the following standards: (i) Sediment resulting from the earthworks is managed on the site through implementation and maintenance of erosion and sediment controls and does not enter waterways, open drains or overland flow paths; and (ii) Provided they are not within a kauri root zone.	Council's discretion is restricted to the following matters: (a) Amenity values and landscape effects; (b) Volume, extent and depth of earthworks; (c) Nature of fill material; (d) Contamination of fill material or clean fill; (e) Location of the earthworks to waterways, significant indigenous vegetation and habitat; (f) Compaction of the fill material; (g) Volume and depth of fill material; (h) Geotechnical stability; (i) Flood risk, including natural water flows and established drainage paths; (j) Land instability, erosion and sedimentation; (k) Effects on the safe, effective and efficient operation, maintenance and upgrade of infrastructure, including access; (l) Proximity to underground services and service connections; and (m) The risk of earthworks exacerbating Kauri dieback disease.
EW-R48	Earthworks – general [000078] {000033, 000047, 000051, 000036}	
HOPZ –	(I) Activity status: PER	(2) Activity status where
Hopuhopu	Where:	compliance not achieved: RDIS
zone	(a) With the exception of earthworks for the activities listed in EW-R47 and EW-R49, earthworks across the whole of the HOPZ – Hopuhopu zone	Council's discretion is restricted to the following matters: (a) Amenity values and landscape effects;

- must meet all of the following standards:
- (i) Cumulatively, do not exceed a volume of more than 2000m³ and an area of more than 4000m² over any single consecutive 12 month period of which imported fill material or cleanfill does not exceed a total volume of 1,000m³ in any single consecutive 12 month period;
- (ii) The total combined depth of any excavation (excluding drilling) or filling does not exceed 3m above or below natural ground level;
- (iii) Take place on land with a maximum slope of 1:2 (I vertical to 2 horizontal);
- (iv) Earthworks are setback a minimum of 1.5m from all site and zone boundaries;
- (v) Earthworks are setback 5m horizontally from any waterway, open drain or overland flow path;
- (vi) Areas exposed by earthworks are stabilised to avoid runoff within I month and any remaining bare ground re-vegetated to achieve 80% ground cover within 2 months of the completion of the earthworks or finished with a hardstand surface;
- (i) Sediment resulting from the earthworks is managed on the site through implementation and maintenance of erosion and sediment controls and does not enter waterways, open drains or overland flow paths;
- (ii) Do not divert or change the nature of natural water flows, water bodies or established drainage paths;
- (iii) Earthworks must not result in the site being unable to be

- (b) Volume, extent and depth of earthworks;
- (c) Nature of fill material;
- (d) Contamination of fill material or clean fill;
- (e) Location of the earthworks to waterways, significant indigenous vegetation and habitat;
- (f) Compaction of the fill material;
- (g) Volume and depth of fill material:
- (h) Geotechnical stability;
- (i) Flood risk, including natural water flows and established drainage paths;
- (j) Land instability, erosion and sedimentation;
- (k) Effects on the safe, effective and efficient operation, maintenance and upgrade of infrastructure, including access;
- (I) Proximity to underground services and service connections; and
- (m) The risk of earthworks exacerbating Kauri dieback disease.

EW D 40	serviced by gravity sewers; and (iv) Provided they are not within a kauri root zone.	
EW-R49	Earthworks – general [000078] {00004	
HOPZ – Hopuhopu	(I) Activity status: PER Where:	(2) Activity status where compliance not achieved: RDIS
zone	(a) Earthworks for the purpose of creating a building platform (including the use of imported fill material) that is: (i) Subject to an approved building consent; (ii) The earthworks occur wholly within the footprint of the building; (iii) Provided they are not within a kauri root zone; (iv) For the purposes of this rule, the footprint of the building extends 1.8m from the outer edge of the outside wall; and (v) For the purposes of this rule, this exemption does not apply to earthworks associated with retaining walls/structures which are not required for the structural support of the building.	Council's discretion is restricted to the following matters: (a) Amenity values and landscape effects; (b) Volume, extent and depth of earthworks; (c) Nature of fill material; (d) Contamination of fill material or clean fill; (e) Location of the earthworks to waterways, significant indigenous vegetation and habitat; (f) Compaction of the fill material; (g) Volume and depth of fill material; (h) Geotechnical stability; (i) Flood risk, including natural water flows and established drainage paths; (j) Land instability, erosion and sedimentation; (k) Effects on the safe, effective and efficient operation, maintenance and upgrade of infrastructure, including access; and (l) Proximity to underground services and service connections; and (m) The risk of earthworks exacerbating Kauri dieback disease.

Advice Note 1: The Hopuhopu Archaeological Site map below (Figure 19) indicates an area which contains Maaori-made soils and possible borrow pits. Heritage New Zealand Pouhere Taonga should be contacted regarding development in this area and an archaeological assessment to determine the need for an archaeological authority. The Heritage New Zealand Pouhere Taonga Act 2014 protects both recorded and unrecorded archaeological sites.

Advice Note 2: The 'Indicative Borrow Pit and Maaori-Made Soils' area also coincides with an area known to have contained alligator weed. The Waikato Regional Pest Management Plan 2014-2024 contains rules which relate to the management of alligator weed.

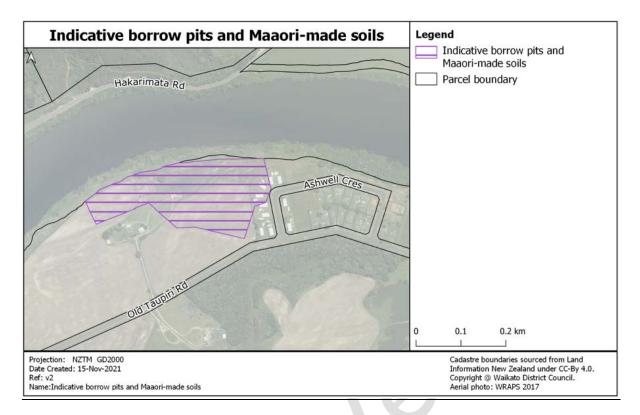


Figure 19 - Indicative borrow pits and Maaori-made soils

KLZ – Kimihia lakes zone

EW-R50	Earthwork – general [000078] {000047, 000051, 000036}	
KLZ – Kimihia lakes zone	(1) Activity status: PER Where: (a) Areas exposed by earthworks are re-vegetated must achieve 80% ground cover within 2 months of the completion of the earthworks except where earthworks are for the purposes of creating infrastructure or facilities for recreation, events and access, no re-vegetation is required; (b) Sediment resulting from the earthworks must be retained on the site through implementation and maintenance of erosion and sediment controls and does not enter waterways, open drains or overland flow paths; (c) The importation of fill material to site must meet the following conditions:	(2) Activity status where compliance not achieved: RDIS Council's discretion is restricted to the following matters: (a) Contamination of fill material; (b) Location of the earthworks to waterways, significant indigenous vegetation and habitat; (c) Flood risk, including natural water flows and established drainage paths; (d) Land instability, erosion and sedimentation; and (e) Proximity to underground services and service connections; and (f) The risk of earthworks exacerbating Kauri dieback disease.

(d) Does not restrict the ability for land to drain;	
(e) Is not located within 1.5m of public sewers, utility services or manholes;	
(f) The sediment from fill material is retained on the site; and	
(g) Provided they are not within a kauri root zone.	

MAZ – Mercer airport zone

EW-R5I	Earthworks - general [000078] {00004	7 000051 0000361
MAZ –	(I) Activity status: PER	(2) Activity status where
Mercer airport	Where:	compliance not achieved: RDIS
zone	(a) Earthworks within the MAZ – Mercer Airport zone must meet all of the following standards: (i) Earthworks must not exceed a volume of more than 1,000m³ in a single calendar year; (ii) Earthworks must not exceed an area of more than 1,000m² in a single calendar year; (iii) The height of the resulting cut or batter face does not exceed 1.5 m with a maximum slope of 1:2 (1 metre vertical to 2 m horizontal; (iv) Areas exposed by the earthworks not covered by buildings or other impervious surfaces are revegetated to achieve 80% ground cover within 2 months of the completion of the earthworks; (v) Sediment is retained on site through implementation and maintenance of erosion and sediment controls and does not enter waterways, open drains or overland flow paths; (vi) Earthworks must not divert or change natural water flows or established drainage paths; and	Council's discretion is restricted to the following matters: (a) Amenity values and landscape effects; (b) Volume, extent and depth of earthworks; (c) Nature of fill material; (d) Contamination of fill material; (e) Location of earthworks relative to waterways; (f) Compaction of fill material; (g) Volume and depth of fill material; (h) Geotechnical stability of fill material; (i) Flood risk; (j) Land instability, erosion and sedimentation; and (k) The risk of earthworks exacerbating Kauri dieback disease.

	(vii) Provided they are not within a kauri root zone.	
EW-R52 MAZ – Mercer airport zone	within a kauri root zone. Earthworks – general [000078] {00004} (I) Activity status: PER Where: (a) The importation of fill material to the site must meet all of the following standards, in addition to the standards in Rule EW-R51: (v) Earthworks do not exceed a total volume of 500m³ per site and a depth of I metre;	(2) Activity status where compliance not achieved: RDIS Council's discretion is restricted to the following matters: (a) Amenity values and landscape effects; (b) Volume, extent and depth of earthworks; (c) Nature of fill material; (d) Contamination of fill material;
	 (vi) Earthworks must be fit for compaction; (vii) The height of the resulting batter face in stable ground must not exceed 1.5 metres with a maximum slope of 1:2 (Im vertical to 2m horizontal); (viii) Earthworks do not restrict the ability of the land to drain; (ix) The sediment from fill material is retained on the site; and (x) Provided they are not within a kauri root zone. 	 (e) Location of earthworks relative to waterways; (f) Compaction of fill material; (g) Volume and depth of fill material; (h) Geotechnical stability of fill material; (i) Flood risk; (j) Land instability, erosion and sedimentation; and (k) The risk of earthworks exacerbating Kauri dieback disease.

MSRZ – Motorsport and recreation zone

EW-R53	Earthworks – all precincts [000078] {000047, 000033, 000051, 000036}	
MSRZ – Motorsport	(I) Activity status: PER Where:	(2) Activity status where compliance not achieved: RDIS
and recreation zone	(a) Earthworks within a site must meet all of the following	Council's discretion is restricted to the following matters:
	standards: (i) Do not exceed a volume of more than 1000m³ and an area of more than 2000m² over any single consecutive 12-month period; (ii) The total depth of any excavation or filling does not exceed 3m above or below ground level with a maximum slope of 1:2 (1 vertical to 2 horizontal); (iii) Earthworks are setback 1.5m from all boundaries;	 (a) Amenity values and landscape effects; (b) Volume, extent and depth of earthworks; (c) Nature of fill material; (d) Contamination of fill material; (e) Location of the earthworks to waterways, significant indigenous vegetation and habitat; (f) Compaction of the fill material; (g) Volume and depth of fill material; (h) Geotechnical stability;

- (iv) Areas exposed by earthworks are re-vegetated to achieve 80% ground cover within 2 months of the completion of the earthworks;
- (v) Sediment resulting from the earthworks is retained on the site through implementation and maintenance of erosion and sediment controls and does not enter waterways, open drains or overland flow paths;
- (vi) Do not divert or change the nature of natural water flows, water bodies or established drainage paths; and
- (vii) Provided they are not within a kauri root zone.

- (i) Flood risk, including natural water flows and established drainage paths
- (j) Land instability, erosion and sedimentation;
- (k) Proximity to underground services and service connections; and
- (I) The risk of earthworks exacerbating Kauri dieback disease.

Earthworks – all precincts [000078] {000047, 000051, 000036}

MSRZ – Motorsport and recreation zone

(I) Activity status: PER

Where:

- (a) The importation of fill material to a site shall meet all of the following standards in addition to Rule EW-R53:
 - (i) Does not exceed a total volume of 500m³ per site and a depth of Im;
 - (ii) Is fit for compaction;
 - (iii) The height of the resulting batter face in stable ground must not exceed 1.5m with a maximum slope of 1:2 (Im vertical to 2m horizontal);
 - (iv) Does not restrict the ability for land to drain;
 - (v) Is not located within 1.5m of public sewers, utility services or manholes;
 - (vi) The sediment from fill material is retained on the site: and
 - (vii) Provided they are not within a kauri root zone.

(2) Activity status where compliance not achieved: RDIS Council's discretion is restricted

- to the following matters:
 (a) Amenity values and landscape
 - effects;
 (b) Volume, extent and depth of earthworks;
 - (c) Nature of fill material;
 - (d) Contamination of fill material;
 - (e) Location of the earthworks to waterways, significant indigenous vegetation and habitat;
 - (f) Compaction of the fill material;
 - (g) Volume and depth of fill material;
 - (h) Geotechnical stability;
 - (i) Flood risk, including natural water flows and established drainage paths
 - (j) Land instability, erosion and sedimentation;
 - (k) Proximity to underground services and service connections: and
 - (I) The risk of earthworks exacerbating Kauri dieback disease.

EW-R55	Earthworks – general [000078] {000047, 000051, 000036}	
MTZ –	(I) Activity status: PER	(2) Activity status where
Matangi zone	Where:	compliance not achieved: RDIS
MTZ – Matangi zone	(1) Activity status: PER Where: (a) Earthworks within a site must meet the following standards: (i) Not exceed a volume of more than 2,500m³; (ii) Not exceed an area of more than 10,000m² within a 12 month period; (iii) Earthworks associated with any activity requiring building consent (including associated site works) shall not exceed 500m³; (iv) any excavation or filling does not exceed a maximum slope of 1:2 (1 vertical to 2 horizontal); (v) Not be located within 1.5m of the KiwiRail designated corridor; (vi) Areas exposed by earthworks are re-vegetated to achieve 80% ground cover within 2 months of the completion of the earthworks, or finished with a hardstand surface; (vii) Sediment resulting from the earthworks is retained on the site through implementation and maintenance of erosion and sediment controls and does not enter waterways, open drains or overland flow paths; and (viii) Do not divert or change the nature of natural water flows, water bodies or onsite disposal systems for	
	wastewater and stormwater; and (ix) Provided they are not within	
	a kauri root zone.	
EW-R56	Earthworks - general [000078] {00004	7, 000051, 000036}
MTZ –	(I) Activity status: PER	(2) Activity status where
Matangi zone	Where:	compliance not achieved: RDIS

(a) Earthworks for the purpose of creating a building platform within a site, using imported fill material (excluding cleanfill), must meet the following standards:

- (i) Must not exceed a total volume of 500m³;
- (ii) The slope of the resulting filled area in stable ground must not exceed a maximum slope of 1:2 (1 vertical to 2 horizontal);
- (iii) Areas exposed by filling are revegetated to achieve 80% ground cover within 2 months of the completion of the earthworks, or finished with a hardstand surface;
- (iv) Sediment resulting from the filling is retained on the site through implementation and maintenance of erosion and sediment controls and does not enter waterways, open drains or overland flow paths;
- (v) Do not divert or change the nature of natural water flows, water bodies or established drainage paths, or onsite disposal systems for wastewater and stormwater; and
- (vi) Provided they are not within a kauri root zone.

Council's discretion is restricted to the following matters:

- (a) Amenity values and landscape effects;
- (b) Volume, extent and depth of earthworks;
- (c) Nature of fill material;
- (d) Effects on waterbodies, and significant indigenous vegetation and habitat;
- (e) Compaction of the fill material;
- (f) Volume and depth of fill material;
- (g) Geotechnical stability;
- (h) Flood risk, including natural water flows and established drainage paths;
- (i) Land instability, erosion and sedimentation;
- (j) Proximity to underground services and service connections; and
- (k) Effects on onsite disposal systems for wastewater and stormwater;
- (I) The risk of earthworks exacerbating Kauri dieback disease.

RPZ – Rangitahi Peninsula zone

EW-R57	Earthworks – general [000078] {000047, 000051, 000036}	
RPZ – Rangitahi	(I) Activity status: PER Where:	(2) Activity status where compliance not achieved: RDIS
Peninsula zone	(a) Earthworks within a site must meet all of the following	Council's discretion is restricted to the following matters:
	standards:	(a) Amenity values and landscape
	(i) Be located more than 1.5m	effects;
	from a public sewer, open drain, overland flow path or	(b) Volume, extent and depth of earthworks;
	other service pipe;	(c) Nature of fill material;
	(ii) Not exceed a volume of more than 250m³ and an area	(d) Contamination of fill material;

- of more than 1,000m2 within a site;
- (iii) The height of the resulting cut, filled areas or fill batter face in stable ground, not including any surcharge, does not exceed 2m, with a maximum slope of 1:2 (I vertical to 2 horizontal);
- (iv) Areas exposed by earthworks are re-vegetated to achieve 80% ground cover within 2 months of the completion of the earthworks:
- (v) Sediment resulting from the earthworks is retained on the site through implementation and maintenance of erosion and sediment controls and does not enter waterways, open drains or overland flow paths;
- (vi) Do not divert or change the nature of natural water flows, water bodies or established drainage paths;
- (vii) Do no result in the site being unable to be serviced by gravity sewers; and
- (viii) Provided they are not within a kauri root zone.

- (e) Location of the earthworks to waterways, significant indigenous vegetation and habitat;
- (f) Compaction of the fill material;
- (g) Volume and depth of fill material;
- (h) Geotechnical stability;
- (i) Flood risk, including natural water flows and established drainage paths
- (j) Land instability, erosion and sedimentation;
- (k) Proximity to underground services and service connections;
- (I) Traffic movements to and from the site; and
- (m) Consistency with the Rangitahi Peninsula Structure Plan; and
- (n) The risk of earthworks exacerbating Kauri dieback disease.

Earthworks – general [000078] {000047, 000051, 000036}

RPZ – Rangitahi Peninsula zone

(I) Activity status: PER Where:

- (a) The importation of fill material to a site must meet the following conditions standards, in addition to the standards in EW-R57:
 - (i) Does not exceed a total volume of 500m³ per site and a depth of Im;
 - (ii) Is fit for compaction;
 - (iii) The height of the resulting batter face in stable ground must not exceed 1.5m with a maximum slope of 1:2 (Im vertical to 2m horizontal);
 - (iv) Does not restrict the ability for land to drain;

- (a) Amenity values and landscape effects;
- (b) Volume, extent and depth of earthworks;
- (c) Nature of fill material;
- (d) Contamination of fill material;
- (e) Location of the earthworks to waterways, significant indigenous vegetation and habitat;
- (f) Compaction of the fill material;
- (g) Volume and depth of fill material;
- (h) Geotechnical stability;

- (v) Is not located within 1.5m of public sewers, utility services or manholes; and(vi) The sediment from fill
- (vi) The sediment from fill material is retained on the site; and
- (vii) Provided they are not within a kauri root zone.
- (i) Flood risk, including natural water flows and established drainage paths
- (j) Land instability, erosion and sedimentation;
- (k) Proximity to underground services and service connections;
- (I) Traffic movements to and from the site; and
- (m) Consistency with the Rangitahi Peninsula Structure Plan; and
- (n) The risk of earthworks exacerbating Kauri dieback disease.

TKAZ – Te Kowhai airpark zone

EW-R59	Earthworks – all precincts [000078] {0	00047 000051 0000363
TKAZ – Te Kowhai	(I) Activity status: PER	(2) Activity status where compliance not achieved: RDIS
airpark zone	Where: (a) In all precincts, earthworks within a site must meet all of the following standards: (i) Earthworks must be located more than I.5m either side of a public sewer, open drain, overland flowpath or other service pipe; (ii) Earthworks must not exceed a volume of more than I,000m³ in a single calendar year; (iii) Earthworks must not exceed an area of more than I,000m² in a single calendar year; (iv) The height of the resulting cut or batter face does not exceed I.5m with a maximum slope of I:2 (Im vertical to 2m horizontal); (v) Areas exposed by the earthworks not covered by buildings or other impervious surfaces are re-vegetated to achieve 80% ground cover within 2 months of the completion of the earthworks; (vi) Sediment is retained on the site through implementation	Council's discretion is restricted to the following matters: (a) Amenity values and landscape effects; (b) Volume, extent and depth of earthworks; (c) Nature of fill material; (d) Contamination of fill material; (e) Location of the earthworks to waterways, significant indigenous vegetation and habitat; (f) Compaction of the fill material; (g) Volume and depth of fill material; (h) Geotechnical stability; (i) Flood risk, including natural water flows and established drainage paths; (j) Land instability, erosion and sedimentation; (k) Proximity to underground services and service connections; and. (l) Effects on the safe, effective and efficient operation, maintenance and upgrade of infrastructure, including access; and (m) The risk of earthworks exacerbating Kauri dieback disease.

	and maintenance of erosion	
	and sediment controls and	
	does not enter waterways,	
	open drains or overland flow	
	paths; and	
	(vii) Earthworks must not divert	
	or change natural water	
	flows or established drainage	
	paths; and	
	(viii) Provided they are not	
	within a kauri root zone.	
EW-R60	Earthworks – all precincts [000078] {0	00047, 000051, 000036}
TKAZ – Te	(I) Activity status: PER	(2) Activity status where
Kowhai	Where:	compliance not achieved: RDIS
airpark zone	(a) In all precincts, the importation	Council's discretion is restricted
	of fill material to a site must	to the following matters:
	meet all of the following	(a) Amenity values and landscape
	standards, in addition to the	effects;
	standards in EW-R59:	(b) Volume, extent and depth of
	(i) Earthworks do not exceed a	earthworks;
	total volume of 20m³ per site	(c) Nature of fill material;
	and a depth of Im;	(d) Contamination of fill material;
	(ii) Earthworks must be fit for	(e) Location of the earthworks to
	compaction;	waterways, significant indigenous
	(iii) The height of the resulting	vegetation and habitat;
	batter face in stable ground	(f) Compaction of the fill material;
	must not exceed 1.5m with a	(g) Volume and depth of fill
	maximum slope of 1:2 (1m	material;
	vertical to 2m horizontal);	(h) Geotechnical stability;
	(iv) Earthworks do not restrict	
	the ability for land to drain;	(i) Flood risk, including natural water flows and established
	(v) Earthworks are not located	drainage paths;
	within 1.5m of public sewers,	(j) Land instability, erosion and
	utility services or manholes;	sedimentation;
	and	(k) Proximity to underground
	(vi) The sediment from fill	services and service
	material is retained on the	connections; and.
	site; and	(I) Effects on the safe, effective and
	(vii) Provided they are not	efficient operation, maintenance
	within a kauri root zone.	and upgrade of infrastructure,
		including access; and
		(m) The risk of earthworks
		exacerbating Kauri dieback
		disease.