



Notice of Requirement – Flood Detention Dams (Multiple)

New Plymouth District Council gives notice of its requirement for the following designations for a public work (or in respect of any land, water, subsoil, or airspace where a restriction is necessary for the safe or efficient functioning or operation of a public work) under **Sections 168A, 181(4)** and **Form 20** of the Resource Management Act 1991.

New designations	Yes
Lapsed designations requiring a new designation	N/A

1. Introduction

The New Plymouth District Council (as Requiring Authority) is seeking to designate existing flood detention dams on Council owned land in order to increase public awareness of the assets, streamline any future work in accordance with the designated purpose, being 'Flood detention dam' and effectively provide for the long term protection of these assets.

2. The sites to which the requirement applies are as follows:

Reference	Designated purpose	Description	Location	Legal Description
NPDC-99	Flood Detention Dam	Huatoki Flood Detention Dam	Tupare Road	Section 7S Huatoki SETT, Section 1 SO 14746, Lot 1 DP 18931
NPDC-100	Flood Detention Dam	Waimea Flood Detention Dam	Frankley Road	Marked A SO 11936, Marked B SO 11936, PT Lot 1 DP 10490, PT Section 822 Grey DIST
NPDC-101	Flood Detention Dam	Mangaotuku Flood Detention Dam	Davies Road	Section 1 SO 12591

3. The nature of the proposed work is:

The New Plymouth District Council seeks to designate land which contains existing flood detention bunds. The designation of these sites is for the purpose of providing for the long-term protection of this existing infrastructure and to increase its visibility within the District Plan.

4. The nature of the proposed conditions that would apply is:

No conditions are deemed necessary given the nature of the designations and the infrastructure has already been established on the site.



5. The effects that the public work will have on the environment, and the ways in which any adverse effects will be mitigated, are:

NPDC-99 Huatoki Flood Protection Dam

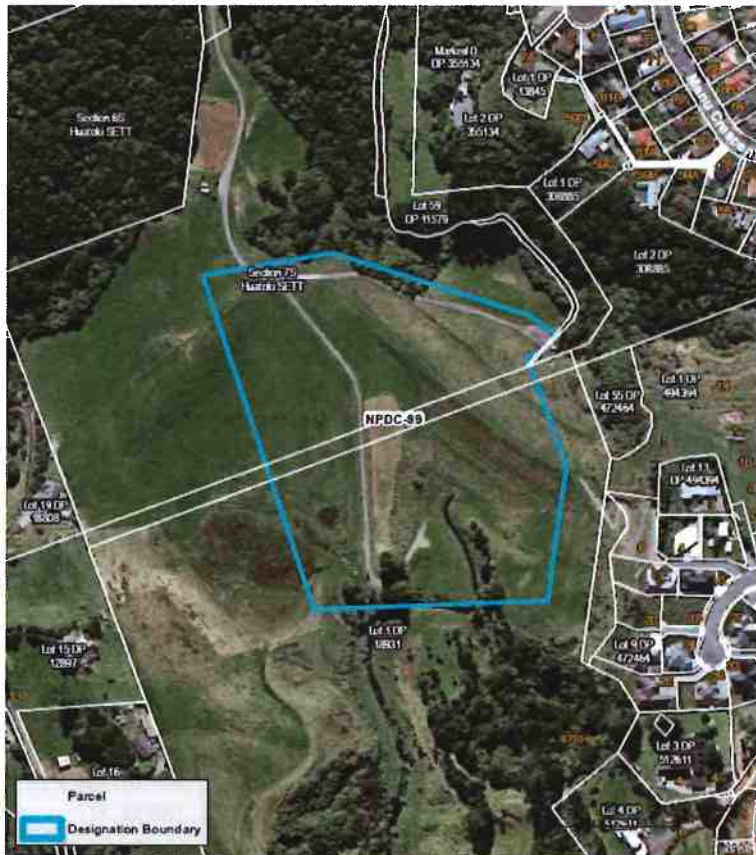


Figure 1: Huatoki Flood Protection Dam

The site to which the proposed designation relates is located within the Open Space B Environment Area and Flood Hazard Area within the Operative District Plan. The site is located at the southern end of the Huatoki Domain with an approximately 60m setback from the closest residential property to the east.

The site contains an earth dam, spillway and an access way to upstream of the dam for maintenance purposes. The dam was commissioned in 1987 to detain and store the peak flows from the catchment above the dam, allowing a design flow to pass and gradually releasing the flood waters at a maximum allowable flow that does not cause unacceptable risk downstream of the dam.

Visual Effects

As the infrastructure already exists the designation of the site will not result in a change to the existing use of the site that would give rise to any adverse effects on character and amenity.



Noise

The infrastructure includes an earth dam and therefore no noise is generated that would impact on adjoining properties.

Traffic and Parking

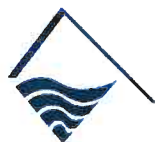
Access to the site is gained via an existing metal driveway off Huatoki Street (a stopped road called Tupare Road). Vehicle movements associated with the earth dam is limited to maintenance which occurs at least once a month. The designation of the site will not generate additional vehicle movements to the site or result in a change to the existing access arrangement. As the infrastructure already exists the designation of the site will not impact adversely on traffic or parking.

NPDC-100 Waimea Flood Protection Dam



Figure 2: Waimea Flood Protection Dam

The site to which the proposed designation relates is located within the Rural Environment Area and Flood Hazard Area within the Operative District Plan. The site is adjoined by Rural Environment Area land to the east and south with Residential A Environment Area land located to the west and north of the site.



The site contains an earth dam, spillway and an access way from Tukapa Street. The site is also crossed by a stormwater main. The dam was commissioned in 1985 to detain and store the peak flows from the catchment above the dam, allowing a design flow to pass and gradually releasing the flood waters at a maximum allowable flow that does not cause unacceptable risk downstream of the dam.

Visual Effects

As the infrastructure already exists the designation of the site will not result in a change to the existing use of the site that would give rise to any adverse effects on character and amenity.

Noise

The infrastructure includes an earth dam and therefore no noise is generated that would impact on adjoining properties.

Traffic and Parking

Access to the site is gained via an access way from Tukapa Street. Vehicle movements associated with the earth dam is limited to maintenance which occurs at least once a month. The designation of the site will not generate additional vehicle movements to the site or result in a change to the existing access arrangement. As the infrastructure already exists the designation of the site will not impact adversely on traffic or parking.



NPDC-101 Mangaotuku Flood Protection Dam



Figure 3: Mangaotuku Flood Protection Dam

The site to which the proposed designation relates is located within the Rural Environment Area and Flood Hazard Area within the Operative District Plan. The site adjoins land within the Open Space C Environment Area to the north (Barrett Domain), the Rural Environment Area to the south and west and the Residential Environment Area to the east.

The site contains an earth dam, spillway and an access way that connects the site with Cowling Road. A water trunk main traverses the south-eastern corner of the site and a 300mm stormwater main runs from the south of the site through to the northern boundary. The site also has an indicative road and gas/power line running through it.

The dam was commissioned in 1986 to detain and store the peak flows from the catchment above the dam, allowing a design flow to pass and gradually releasing the flood waters at a maximum allowable flow that does not cause unacceptable risk downstream of the dam.

Visual Effects

As the infrastructure already exists the designation of the site will not result in a change to the existing use of the site that would give rise to any adverse effects on character and amenity.



Noise

The infrastructure includes an earth dam and therefore no noise is generated that would impact on adjoining properties.

Traffic and Parking

Access to the site is gained via an existing easement from Cowling Road. Vehicle movements associated with the earth dam is limited to maintenance which occurs at least once a month. The designation of the site will not generate additional vehicle movements to the site or result in a change to the existing access arrangement. As the infrastructure already exists the designation of the site will not impact adversely on traffic or parking.

District Plan Objectives and Policies

The proposal will not be inconsistent with the National, NZ Coastal or Regional Policy Statements, Proposed Regional Policy Statements, District Plan or Proposed District Plan.

The following objectives and policies of the Operative District Plan are considered of relevance in regard to the proposed designations:

Character and Amenity

- *Objective 1: To ensure activities do not adversely affect the environmental and amenity values of areas within the district or adversely affect existing activities.*
- *Policy 1.1: Activities should be located in areas where their effects are compatible with the character of the area.*
- *Policy 1.2: Activities within an area should not have adverse effects that diminish the amenity of neighbouring areas, having regard to the character of the receiving environment and cumulative effects.*

As outlined above, the designations relate to sites containing detention dams which have already been established. As these are existing assets, the designation of the sites will not result in adverse effects on the character or amenity of the surrounding areas. Given this, compliance with objective 1 and policies 1.1 and 1.2 will be achieved.

Long term protection of the existing detention dams through designation will result in positive effects on public safety due to the reduced risk of flooding.

6. Alternative sites, routes, and methods have been considered to the following extent:

No alternative sites, routes or methods have been considered as the proposed designations relate to sites containing existing detention dams.

7. The public work and designation (or alteration) are reasonably necessary for achieving the objectives of the territorial authority because:



Consideration must be given as to whether the work and designations are reasonably necessary for achieving the objectives of the requiring authority.

The designations are for the purpose of protection existing flood protection infrastructure. The detention dams are necessary to be able to provide sufficient flood protection measures to protect the local community in accordance with the Local Government Act 2002. This Act identifies one of the core services of local authorities as being the avoidance or mitigation of natural hazards (Part 2, Section 11A(d)). The long-term protection of this existing flood protection infrastructure will assist New Plymouth District Council in meeting its obligations under the Local Government Act.

The 2018-2028 Long Term Plan for the New Plymouth District highlights the role of flood protection and control works in protecting urban areas when the stormwater system becomes overloaded with rain. Increased and more intense rainfall over time is likely to increase the frequency of stormwater system overloads. The Long Term Plan identifies a need to build resilience to address this issue. The Long Term Plan highlights the significance of the Mangaotuku, Waimea and Huatoki dams in providing a flood protection network for the District.



Figure 4: Location of flood protection assets (NPDC Long term plan)

The designations will provide for the long-term protection of existing flood protection assets in line with the Long Term Plan for New Plymouth District Council.

For the following reasons it was considered appropriate to pursue designations:

- The designations will enable flexibility to modify infrastructure at later stages as may be required due to changing requirements or new technology;



- The designations will allow land required for the works to be identified in the District Plan, clearly indicating the intended use of the land and;
- The designations will prevent land uses and/or development that may hinder or prevent the works.

8. The following resource consents are needed for the proposed activity and have (or have not) been applied for:

No resource consents are required for the proposed activity.

9. No consultation has been undertaken:

All sites relate to properties that are owned by the New Plymouth District Council. All designations are for sites containing existing infrastructure. Given this, no parties are deemed to be directly affected by the inclusion of these designations within the District Plan. In addition, these designations will be consulted on during public notification of the Proposed District Plan.

10. The New Plymouth District Council attaches the following information required to be included in this notice by the district plan, regional plan, or any regulations made under the [Resource Management Act 1991](#).

N/A

Authorised by

David Langford (Infrastructure Manager)
on behalf of New Plymouth District Council

Date

02/08/19.