APPENDIX A

McCulloughs Creek Hydropower Scheme, Whataroa, West Coast.
March 2019_ Revision B

Appendix A is to be read on conjunction with Landscape Assessment Report_
Rev5 for McCulloughs Creek Hydropower Scheme, Whataroa, West Coast.

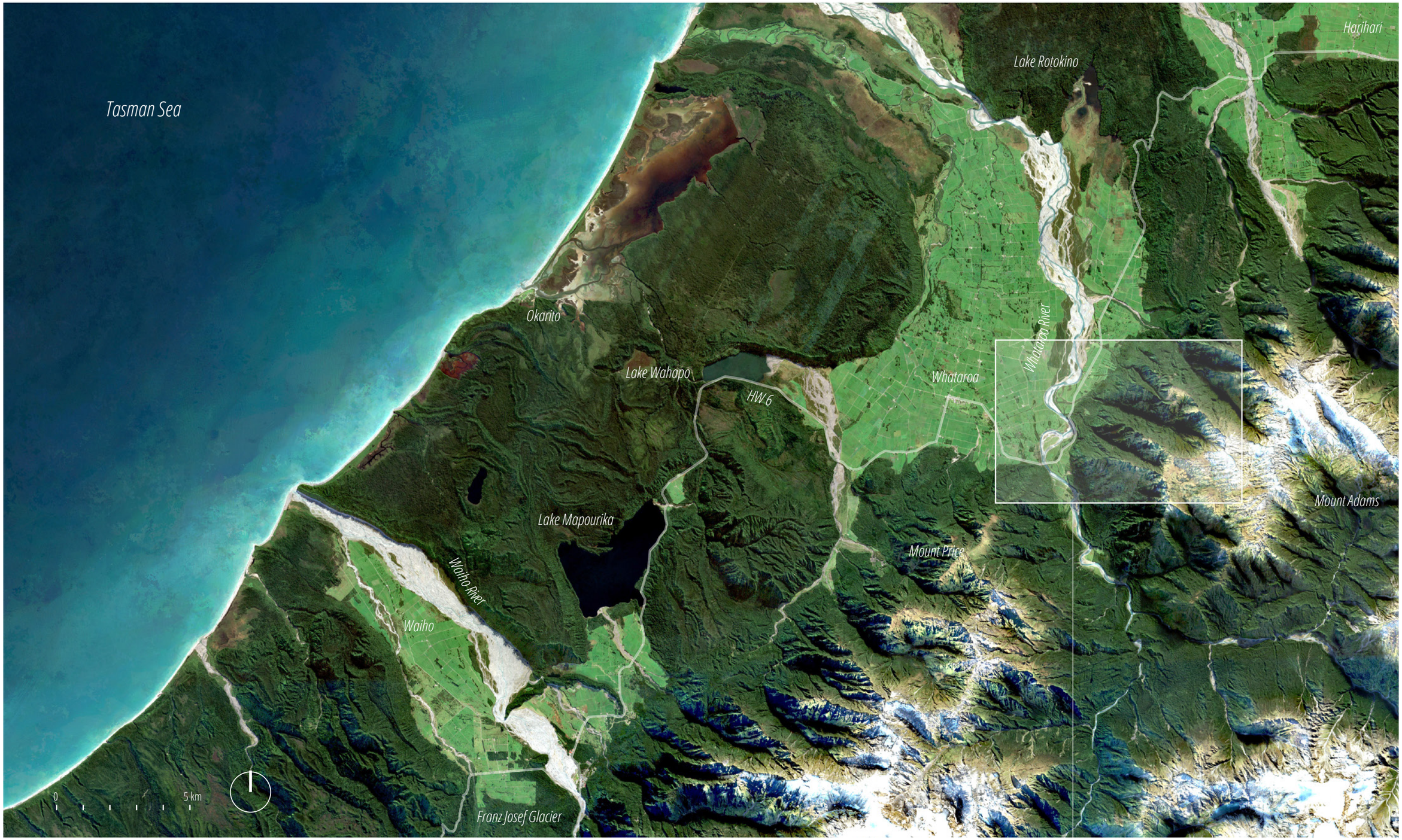
RESILIO**STUDIO**

A1_ SITE LOCATION

Whataroa Regional Landscape Context

RESILIOSTUDIO

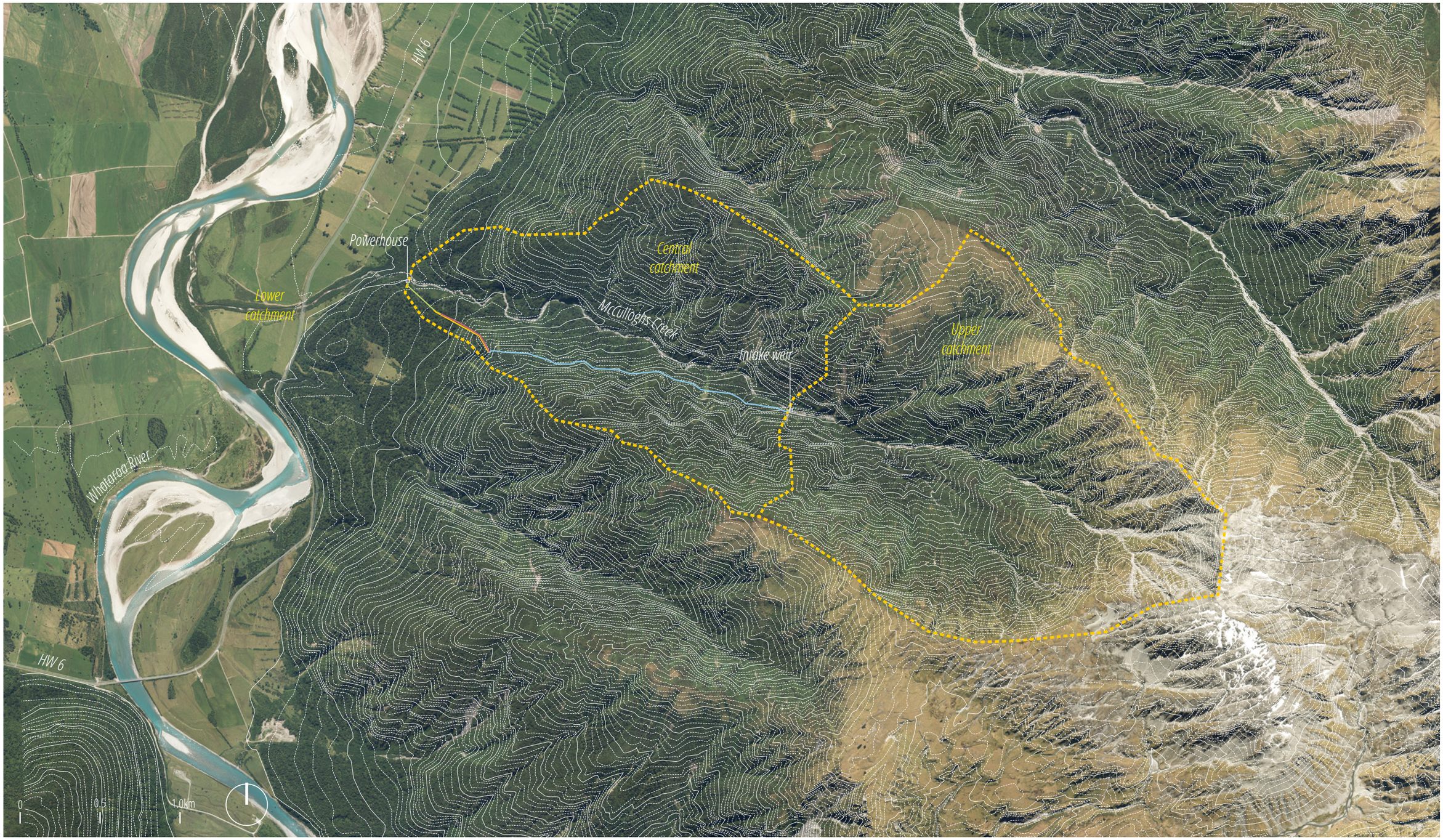
A2_ WHATAROA REGIONAL LANDSCAPE CONTEXT



Landscape Context

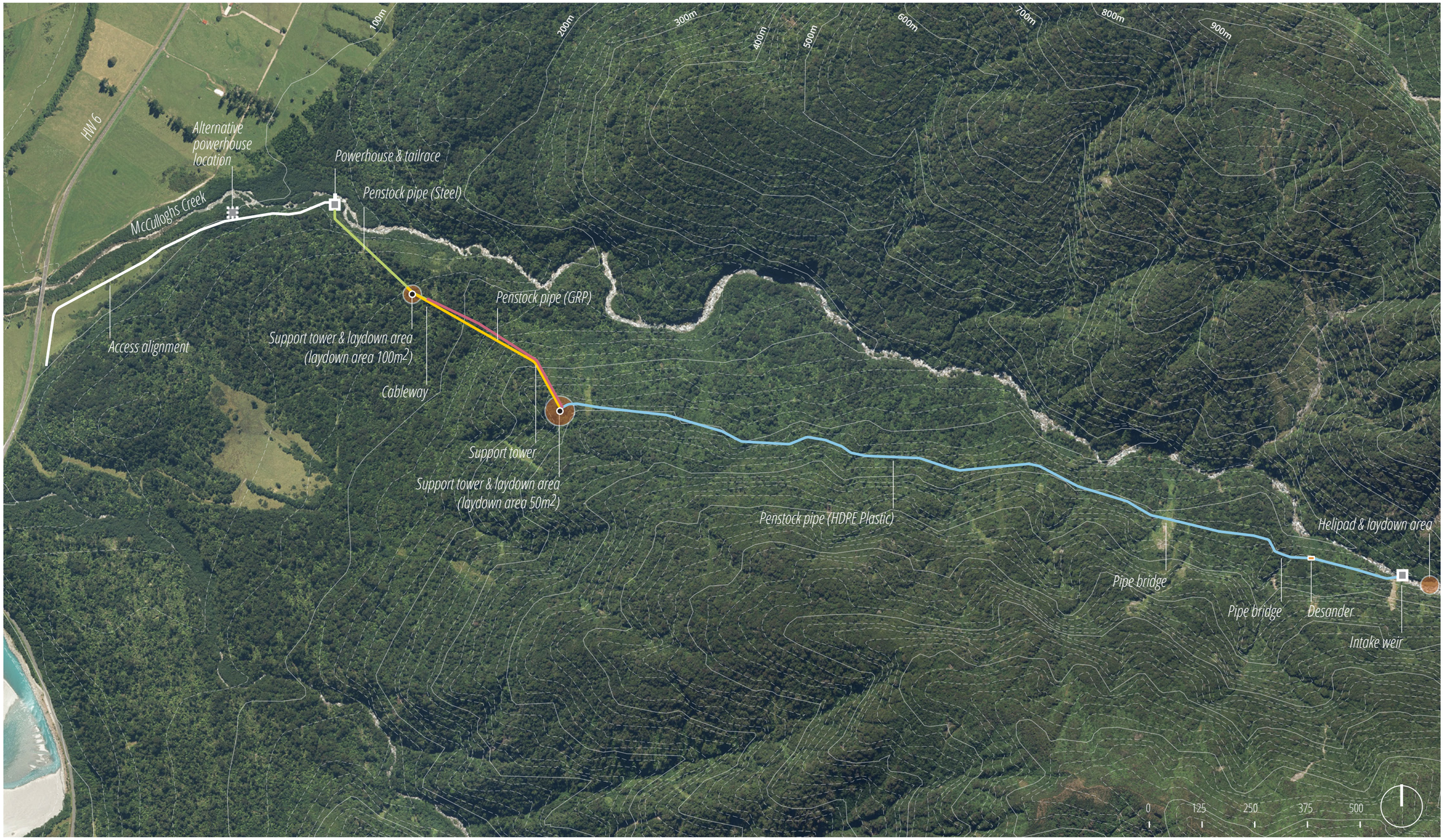
RESILIOSTUDIO

A3_ LANDSCAPE CONTEXT



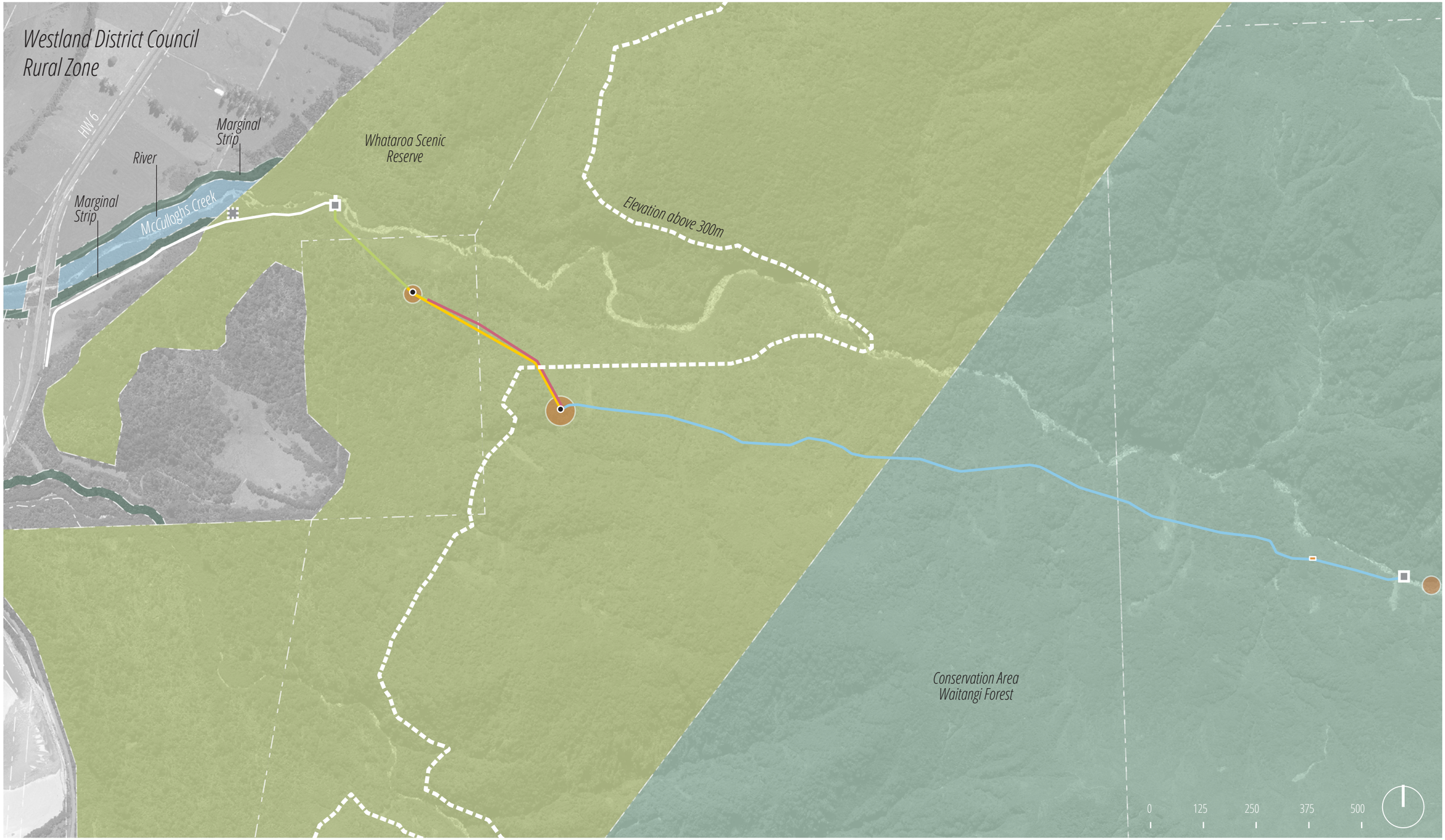
RESILIOSTUDIO

A4_ SITE & LAYOUT PLAN



RESILIOSTUDIO

A5_ PLANNING / LANDSCAPE OVERLAYS



RESILIOSTUDIO

A6_ LOCAL AREA

From Whataroa Highway (SH6) looking east towards Dry Creek valley *[B. Ranum Feb 2019 - photomontage]*

Whataroa River Valley aerial view looking south *[J. Kent-Johnston Feb 2018 - video still frame]*

Whataroa River Valley aerial view looking north *[J. Kent-Johnston Feb 2018 - photomontage from video still frames]*

From Whataroa River looking east towards site *[B. Ranum Feb 2019]*

From Burrough Road looking east towards site *[B. Ranum Feb 2019]*

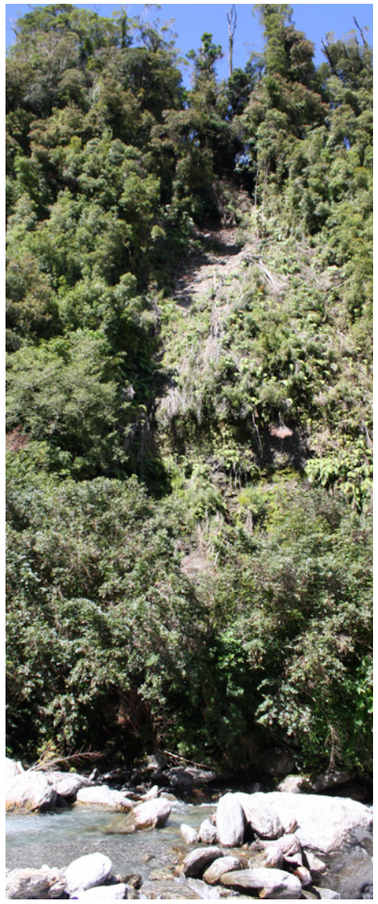
From Whataroa looking southeast towards Parker Creek valley *[B. Ranum Feb 2019]*

A7_ SITE PHOTOS

From Whataroa Highway (SH6) looking east towards site *[B. Ranum Feb 2019]*

From Whataroa Highway (SH6) looking northeast towards site *[B. Ranum Feb 2019]*

Lower reaches of McCulloughs Creek near SH6 looking east towards site *[B. Ranum Feb 2019]*



McCulloughs Creek central catchment showing typical steeply incised banks *[B. Ranum Feb 2019]*

McCulloughs Creek near powerhouse *[B. Ranum Feb 2019]*

McCulloughs Creek central catchment pool *[B. Ranum Feb 2019]*

McCulloughs Creek central catchment cascade *[B. Ranum Feb 2019]*

McCulloughs Creek central catchment landslip debris *[B. Ranum Feb 2019]*

Typical bush in central catchment area with recent landslip *[B. Ranum Feb 2019]*

Representative bush along HDPE Plastic penstock pipe route *[B. Ranum Feb 2019]*

Representative bush along HDPE Plastic penstock pipe route *[B. Ranum Feb 2019]*

Aerial view of creek in upper section of central catchment *[B. Ranum Feb 2019]*

Aerial view of creek in near intake weir *[B. Ranum Feb 2019]*

Recent landslips in upper section of central catchment *[B. Ranum Feb 2019]*

Aerial view of intake weir site *[B. Ranum Feb 2019]*

Aerial view of intake weir site *[B. Ranum Feb 2019]*

Intake weir site *[B. Ranum Feb 2019]*

A8_ PROPOSED DEVELOPMENT_ COMPONENTS

Component_ Intake weir
Materials_ Concrete & Steel
Colour_ Unfinished materials

Component_ HDPE pipe
Material_ Plastic
Colour_ Black matt

Component_ GRP pipe
Material_ Fibreglass
Colour_ Black

Note - example shown not colour of proposed GRP pipe

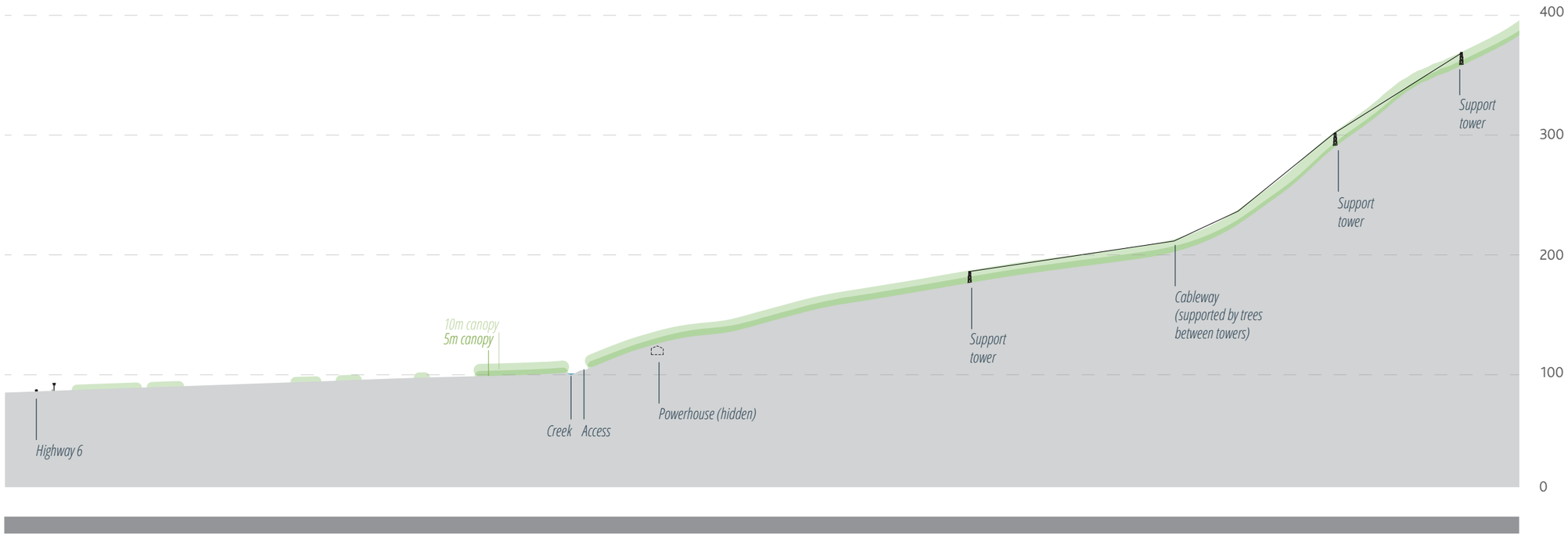
Component_ Steel pipe
Material_ Steel
Colour_ Black/grey

Component_ Powerhouse (2 car garage)
Material_ Steel
Colour_ Black/grey

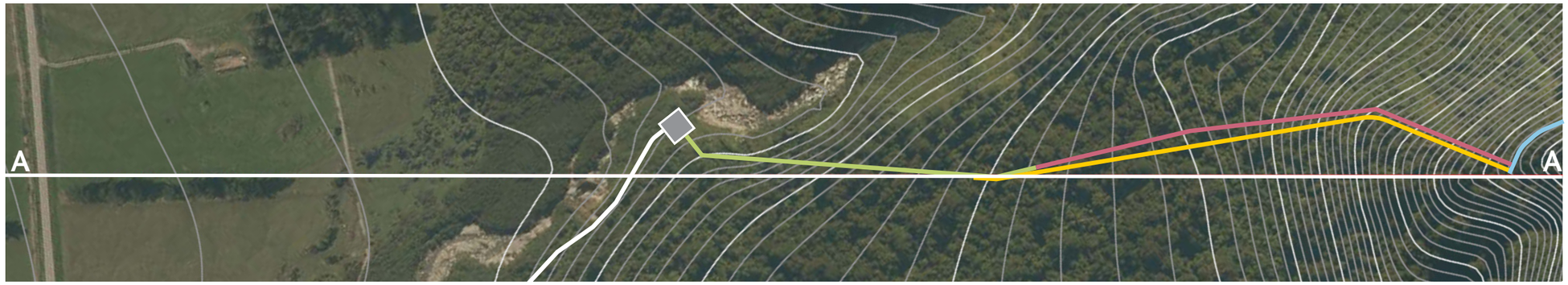
Note - example shown not colour of proposed Powerhouse

Component_ Supports
Material_ Galvanised Steel
Colour_ Grey

A9_ PROPOSED DEVELOPMENT_ CROSS SECTION



Section AA'



RESILIOSTUDIO

A10_ VIEW POINT LOCATIONS

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A11_ VIEW POINT 1 VISUAL CATCHMENT

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A12_ VIEW POINT 2 VISUAL CATCHMENT

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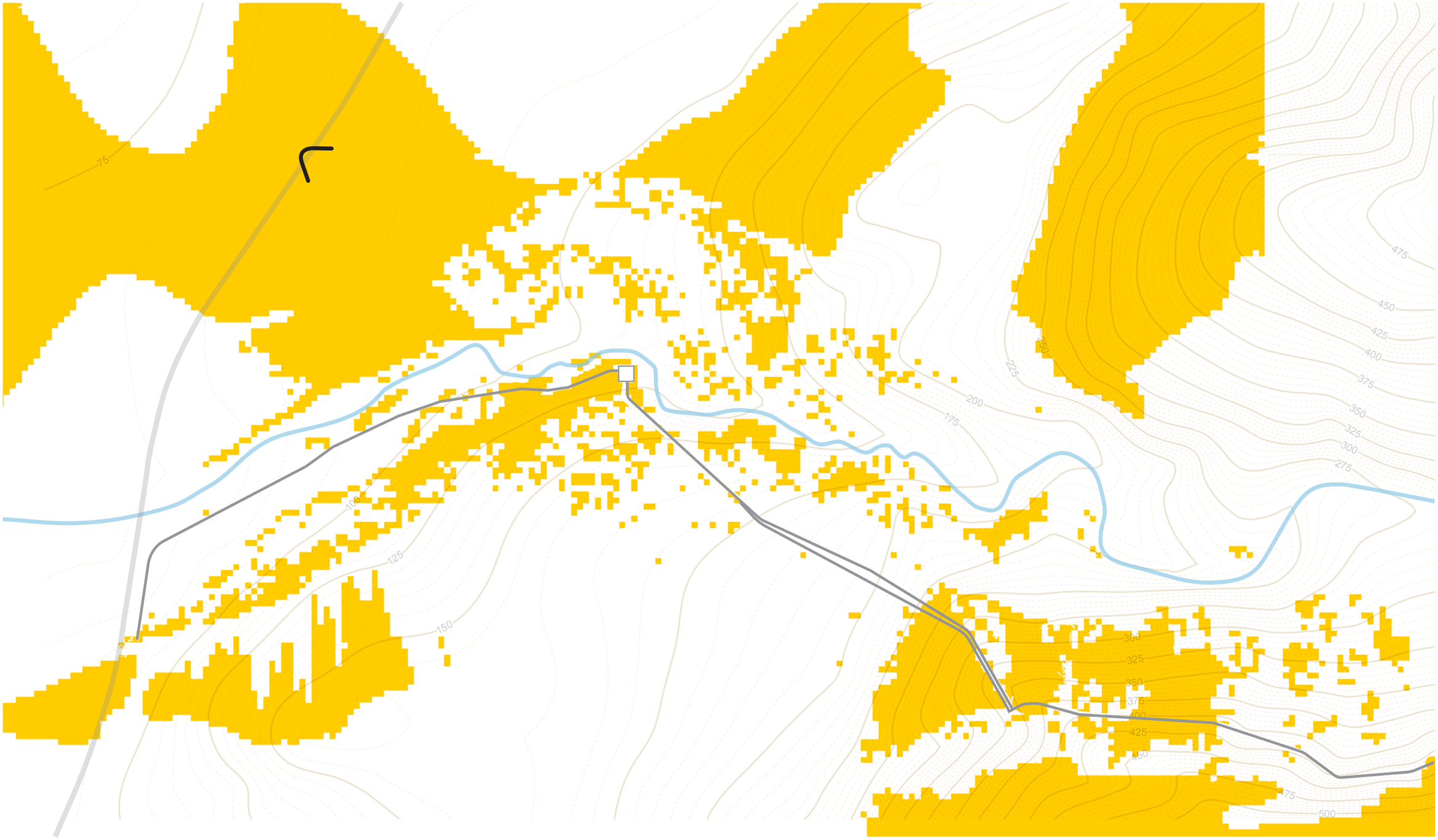
A13_ VIEW POINT 3 VISUAL CATCHMENT



RESILIOSTUDIO

A14_ VIEW POINT 1

From Whataroa Highway SH6 looking north *[43°15'58.62"S, 170°25'0.42"E | Petr Hlavacek, February 2018 | Nikon D800E, Focal length 24mm]*

A15_ VIEW POINT 1_ DURING + AFTER CONSTRUCTION

A16_ VIEW POINT 2

From Whataroa Highway SH6 looking east *[43°15'42.00"S, 170°25'7.92"E | B Ranum, February 2018 |Canon EOS 1000D, Focal length 55mm]*

A17_ VIEW POINT 2_ DURING CONSTRUCTION

A18_ VIEW POINT 2_ AFTER CONSTRUCTION

A19_ VIEW POINT 3

From Whataroa Highway SH6 looking east *[43°15'37.74"S, 170°25'12.48"E | B Ranum, February 2018 |Canon EOS 1000D, Focal length 55mm]*

A20_ VIEW POINT 3_ DURING CONSTRUCTION

A21_ VIEW POINT 3_ AFTER CONSTRUCTION