

# Legend

- Parcel Boundary
- Road (bulkfill)
- Bulkfill
- Rock (toe down)
- Rock (stopbank)

## REGIONAL AREA MAP

Franz Josef

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Coordinates and elevations at right edge of rock and left edge of road.

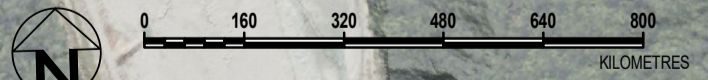
Chainage (m)	Easting (m)	Northing (m)	Design Elevation (m)
5	1,370,860.7	5,193,806.5	128.00
52	1,370,844.0	5,193,762.2	128.55
100	1,370,831.0	5,193,716.0	129.10
146	1,370,854.1	5,193,678.4	129.64
195	1,370,886.9	5,193,642.2	130.21
245	1,370,920.7	5,193,604.9	130.79
295	1,370,954.6	5,193,568.0	131.37
346	1,370,988.4	5,193,530.8	131.96
396	1,371,023.4	5,193,494.5	132.54
445	1,371,057.0	5,193,458.4	133.11
495	1,371,090.6	5,193,421.4	133.69
546	1,371,123.5	5,193,383.5	134.29
596	1,371,157.4	5,193,346.8	134.87
645	1,371,193.3	5,193,311.9	135.44
696	1,371,226.6	5,193,273.7	136.03
745	1,371,256.5	5,193,233.7	136.60
796	1,371,275.3	5,193,187.2	137.30
846	1,371,293.3	5,193,139.8	137.98
897	1,371,308.8	5,193,092.2	138.68
946	1,371,323.1	5,193,045.3	139.35
997	1,371,337.4	5,192,995.4	140.05
1046	1,371,349.8	5,192,948.3	140.72
1097	1,371,361.0	5,192,899.3	141.42
1147	1,371,369.7	5,192,849.4	142.10
1197	1,371,377.7	5,192,800.5	142.79
1248	1,371,384.0	5,192,750.0	143.49
1298	1,371,386.1	5,192,700.3	144.17
1348	1,371,386.2	5,192,650.4	144.86
1398	1,371,384.0	5,192,600.8	145.54
1448	1,371,381.8	5,192,550.4	146.22
1498	1,371,383.0	5,192,500.3	146.91
1547	1,371,384.9	5,192,451.3	147.58
1597	1,371,384.6	5,192,400.6	148.26
1658	1,371,408.5	5,192,344.0	149.10
1709	1,371,439.3	5,192,303.5	149.84
1758	1,371,466.7	5,192,264.3	150.55
1808	1,371,492.3	5,192,222.2	151.28
1858	1,371,519.8	5,192,180.2	152.00
1908	1,371,547.4	5,192,136.7	152.73
1959	1,371,570.2	5,192,090.8	153.47
2010	1,371,575.3	5,192,038.8	154.21
2058	1,371,579.7	5,191,992.9	154.91
2109	1,371,606.2	5,191,950.2	155.65
2157	1,371,632.4	5,191,911.6	156.35
2207	1,371,662.8	5,191,873.0	156.74
2257	1,371,697.4	5,191,837.7	156.74
2308	1,371,718.6	5,191,789.5	156.74
2358	1,371,749.1	5,191,749.0	156.74

Notes:  
 Batter on river side to match existing slope, except along the new NZTA stopbank from approximately Distance 796 to 1597m  
 Batter on landward side 3H:1V

Approximate Quarried Rock Size Specification  
 · 50% 4.5-6 tonne  
 · 35% 3-4.5 tonne  
 · 15% 1.5--3 tonne

Bulkfill 208,420 m<sup>3</sup>  
 Rock 45,989 m<sup>3</sup>, 89,678 tonnes (assume 1.95 tonnes/m<sup>3</sup>)

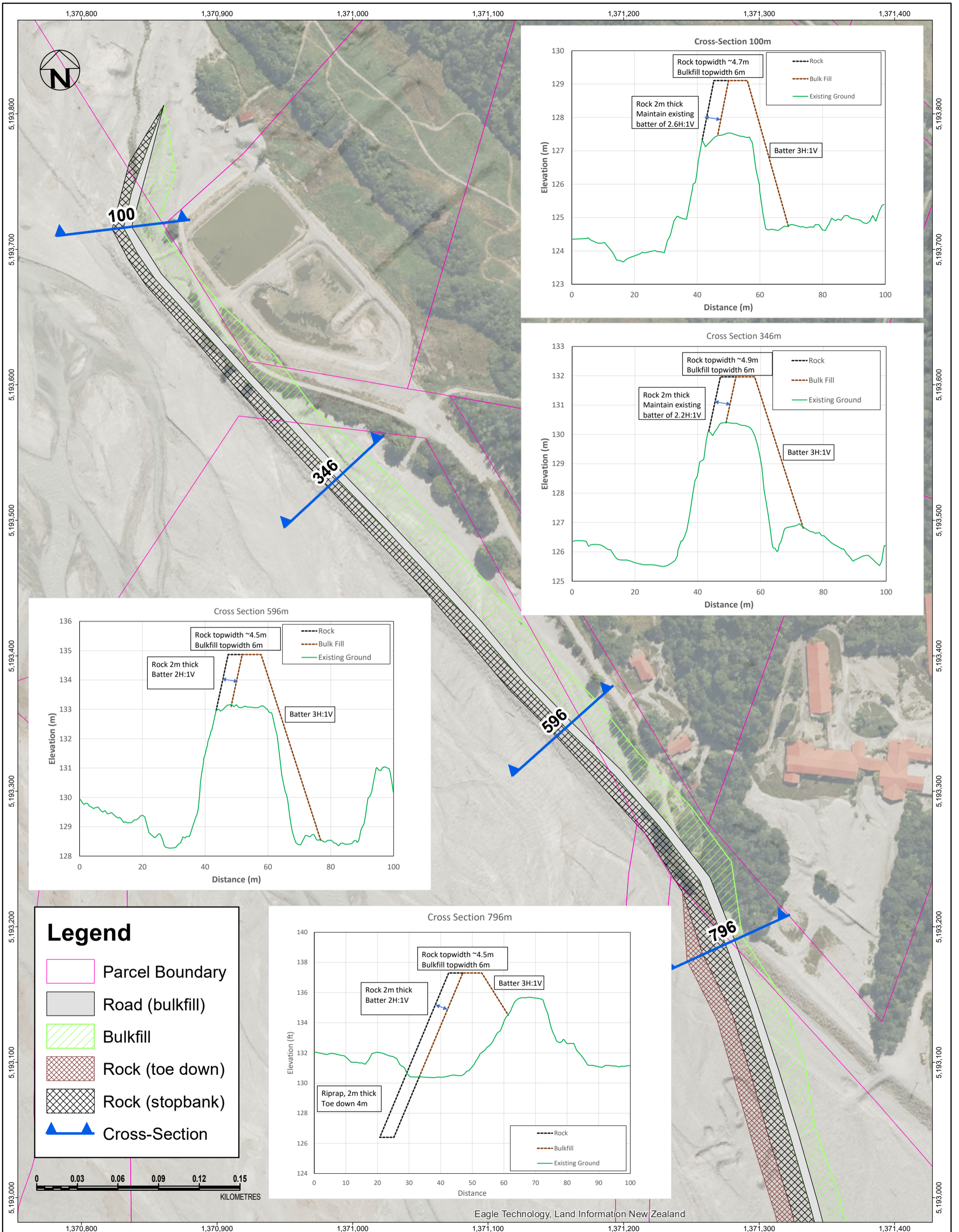
The bulkfill will be excavated from the Waiho river bed, loaded, carted, placed and compacted with a compacting vibrator roller (minimum weight of 10 tonne) in layers not exceeding 0.5 meters, 2:1 batters.



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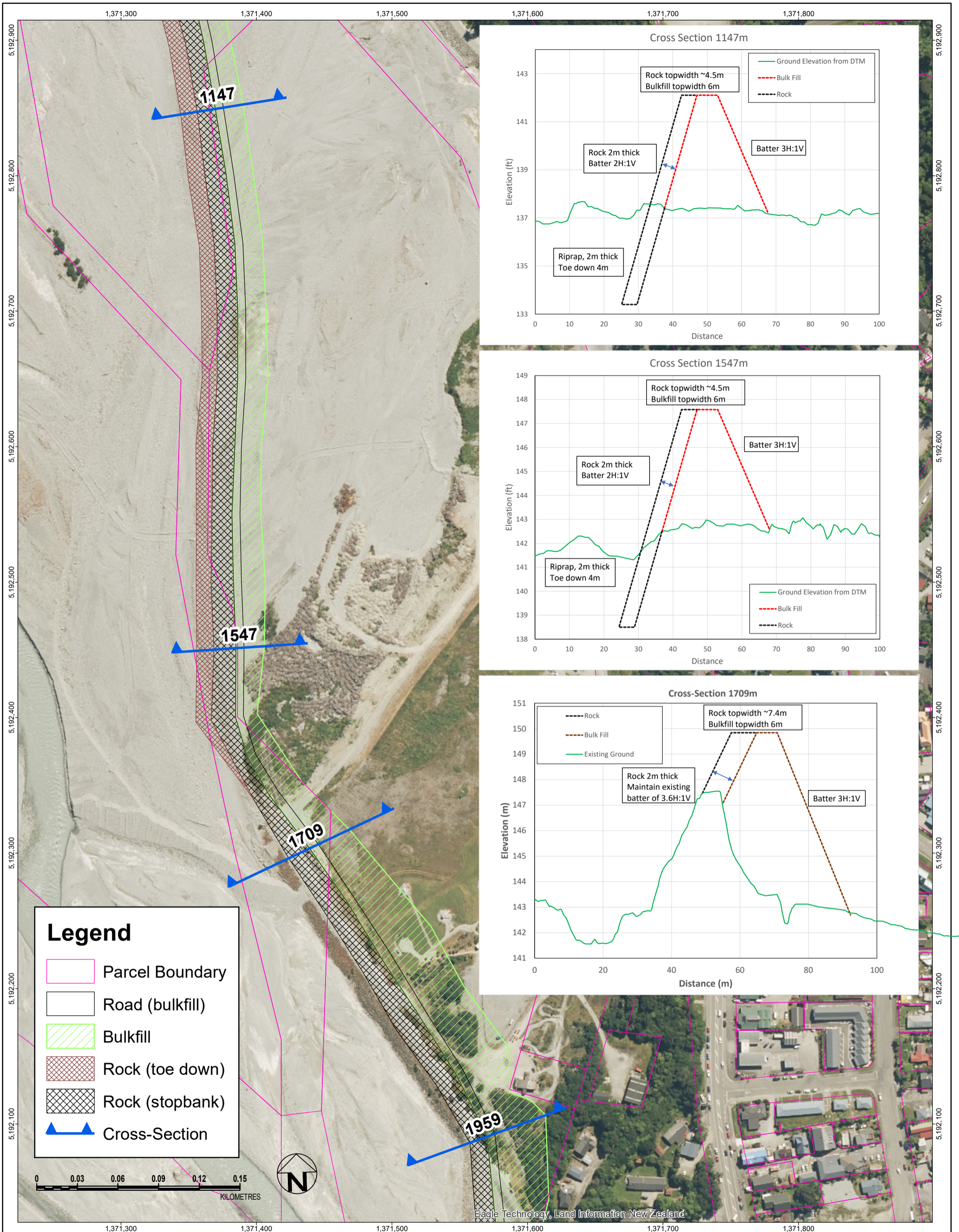
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					approved			DBT	project:	FRANZ JOSEF STOPBANKS					
					date			19.10.2021	title:	SITE LOCATION MAP					
					scale			AS SHOWN	project no:	773-AKLWT290497		figure no:	A.1	rev:	B
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A	ORIGINAL ISSUE	DBT	DBT	8 OCT 2021											

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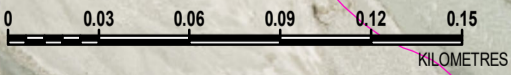
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### Legend

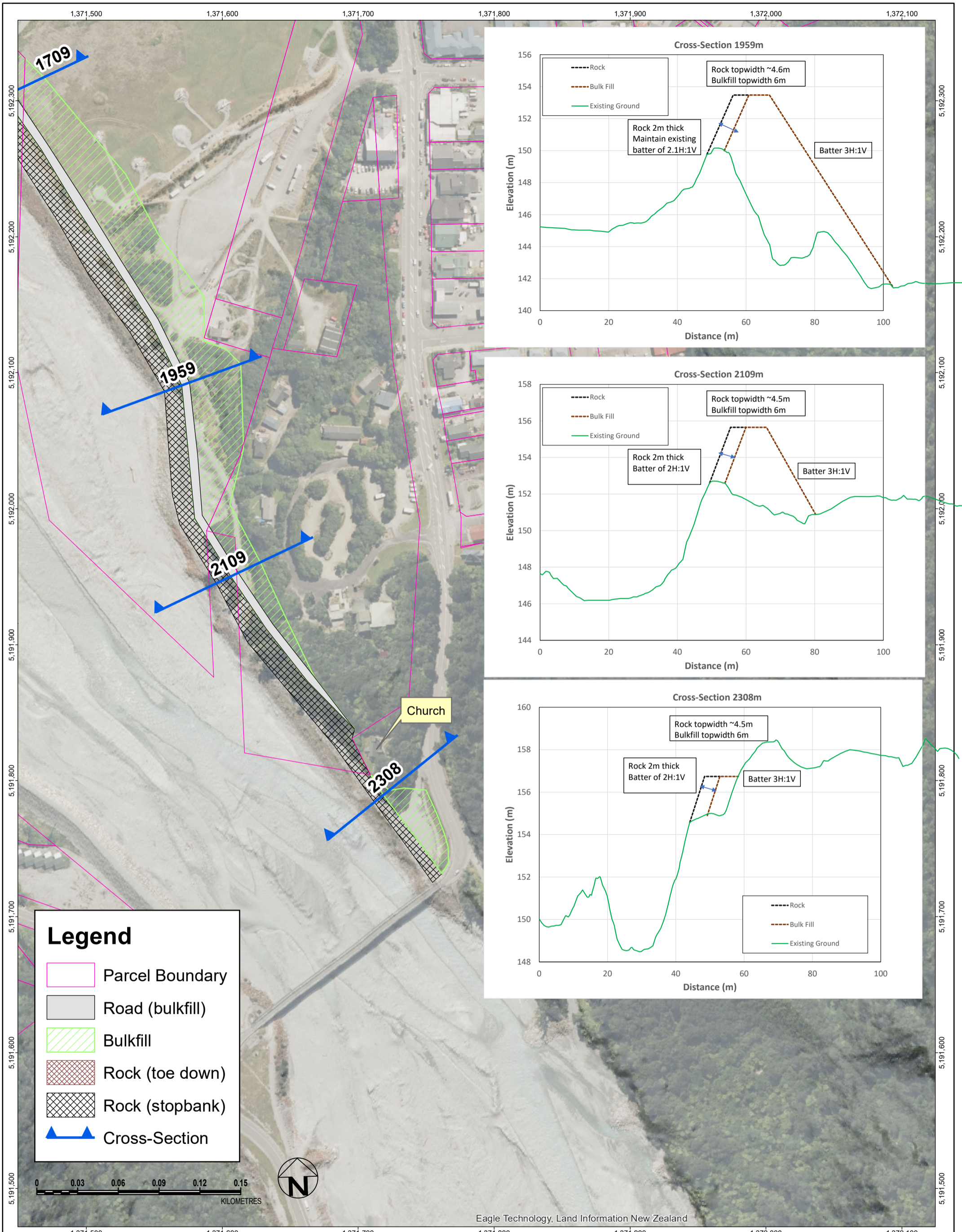
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- Rock (stopbank)
- ↔ Cross-Section



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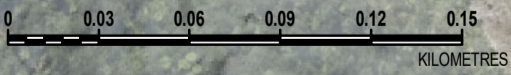
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M:\0 Templates Reference Franz Josef Design - Fig 3.1



### Legend

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no.	description	drawn	appr.	date	drawn	DBT	NZGD 2000 NEW ZEALAND TRANSVERSE MERCATOR	client:	LAND RIVER SEA CONSULTING					
					approved	DBT		project:	FRANZ JOSEF STOPBANKS					
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