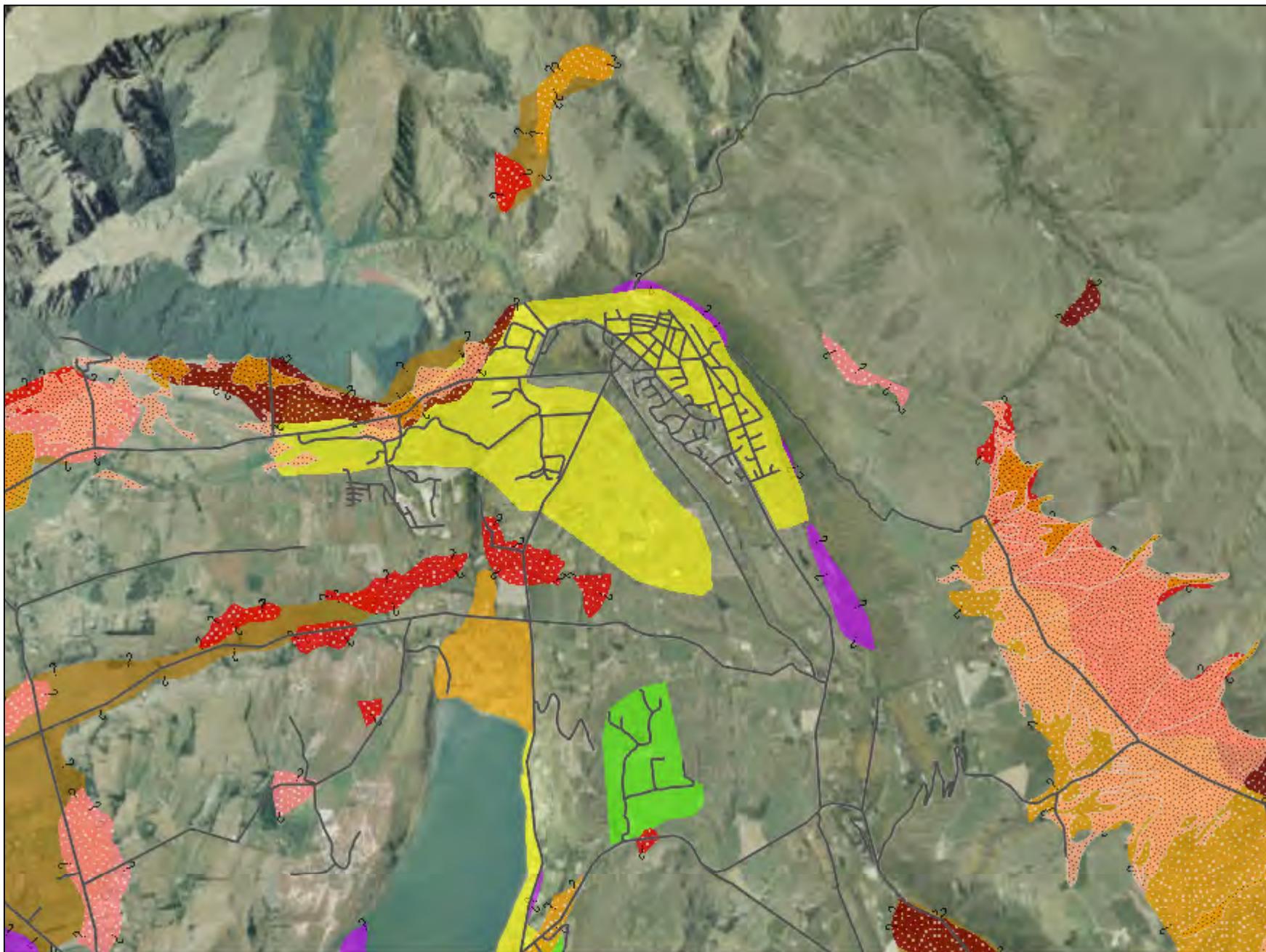


Arrowtown: Alluvial Fan ORC & Regional Scale, Liquefaction Risk



- Legend**
- Dangerous Goods License**
 - LPG CYLINDER
 - POTENTIALLY CONTAMINATED SITE
 - Flood Return period**
 - 150 Year
 - 100 Year
 - 75 Year
 - 50 Year
 - Faults**
 - Active
 - Inactive
 - Potentially Contaminated Sites**
 - Contaminated Sites
 - Potentially Contaminated Sites
 - Managed / Remediated
 - Dangerous Goods Licence
 - Landfill
 - Landslide Areas**
 - Active Pre-existing Schist Debris Landslides
 - Pre-existing Schist Debris Landslides
 - Dormant Pre-existing Schist Debris Landslides
 - Slope Failure Hazard in Superficial Deposits
 - Shallow Slips and Debris Flows in Colluvium
 - Debris Flow Hazards
 - Rockfall
 - Landslide Areas (Outside priority areas)
 - Flooding - rainfall
 - Flooding - damburst
 - Erosion Areas
 - Atluvial Fan High Hazard - Channels
 - Atluvial Fan High Hazard - Incision Line
 - Atluvial Fan High Hazard - Catchment Areas
 - Atluvial Fan High Hazard - Hazard Area
 - Atluvial Fan High Hazard - Source Area
 - Alluvial Fan - ORC**
 - fna - fan active bed
 - fra - fan recently active
 - fla - fan less recently active
 - Alluvial Fans Regional scale**
 - Active, Composite
 - Active, Debris-dominated
 - Active, Floodwater-dominated
 - Inactive, Composite
 - Inactive, Debris-dominated
 - Inactive, Floodwater-dominated
 - Liquefaction Risk**
 - LIC 1 - Nil to Low
 - LIC 1 (P) - Probably Low
 - LIC 2 (P) - Possibly Moderate
 - LIC 3 (P) - Possibly High
 - Possibly Susceptible
 - Susceptible
 - Avalanche Areas**
 - Avalanche Areas
- Lines and areas with approximate locations are shown with '-?-'



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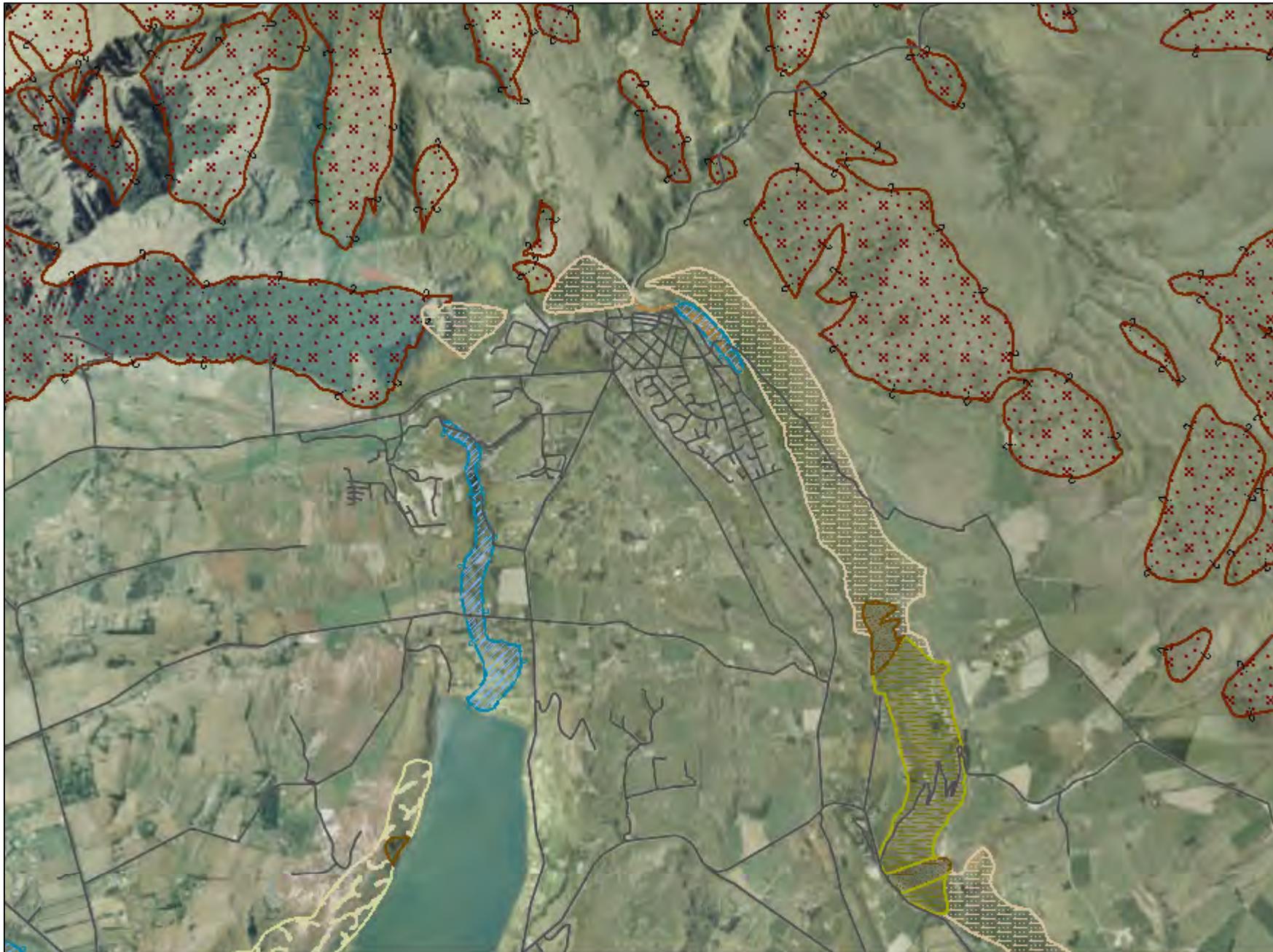
Scale @A4 paper size - 1:48,243

0 2,300 4,600 Metres

Map produced by Queenstown Lakes District Council's Dekho GIS viewer

Map date:
16/05/2017

Arrowtown: Landslide Areas - Alluvial Fan High Hazard Investigation, Flooding, Seismic Hazards - Faults



- Legend**
- Dangerous Goods License**
 - LPG CYLINDER
 - POTENTIALLY CONTAMINATED SITE
 - Flood Return period**
 - 150 Year
 - 100 Year
 - 75 Year
 - 50 Year
 - Faults**
 - Active
 - Inactive
 - Potentially Contaminated Sites**
 - Contaminated Sites
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 - Managed / Remediated
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 - Debris Flow Hazards
 - Rockfall
 - Landslide Areas (Outside priority areas)
 - Flooding - rainfall
 - Flooding - damburst
 - Erosion Areas
 - Alluvial Fan High Hazard - Channels
 - Alluvial Fan High Hazard - Incision Line
 - Alluvial Fan High Hazard - Catchment Areas
 - Alluvial Fan High Hazard - Hazard Area
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Scale @A4 paper size - 1:48,243

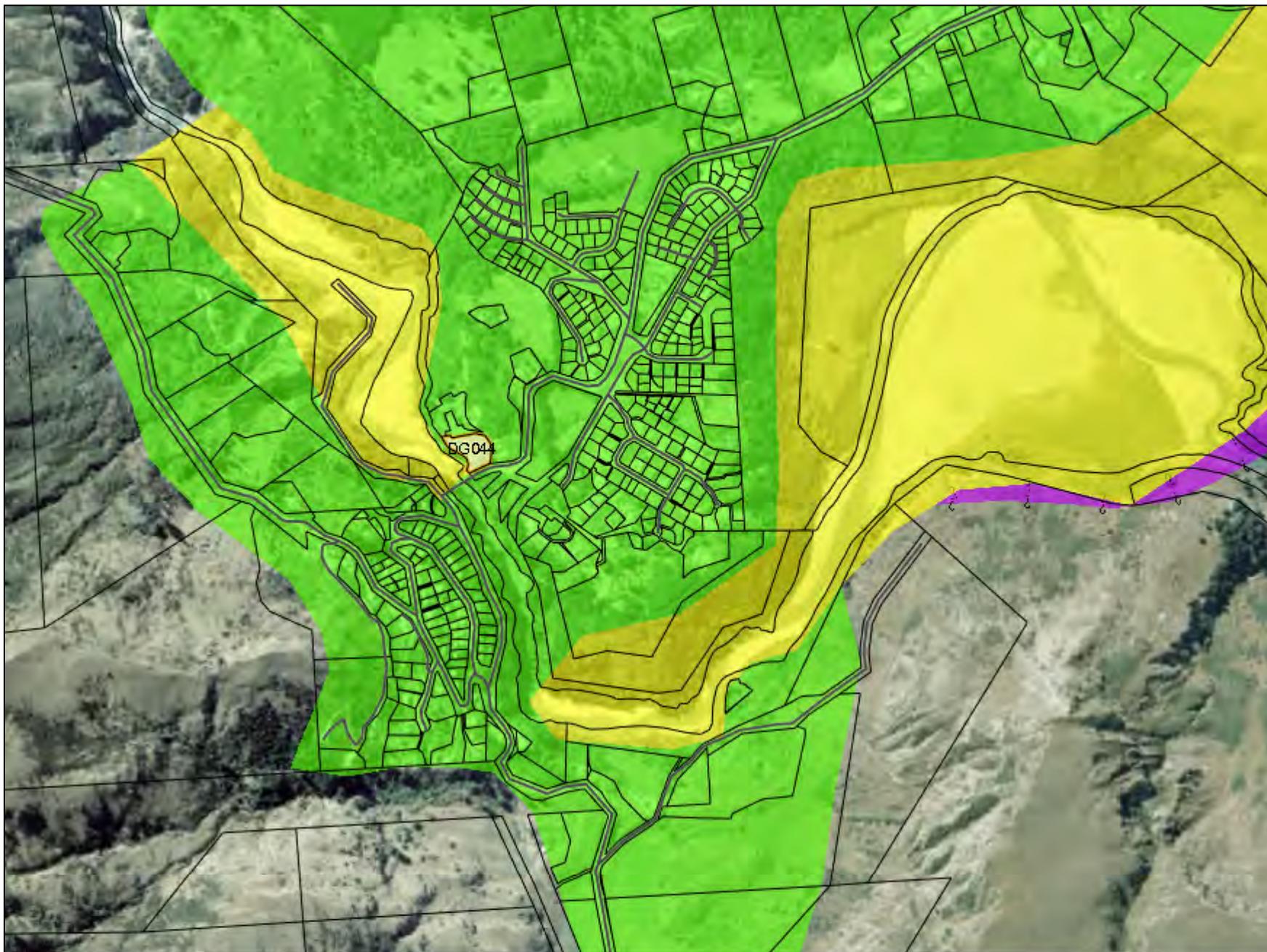
0 2,300 4,600 Metres

Map produced by Queenstown Lakes District Council's Dekho GIS viewer

Map date:
16/05/2017

Arthurs Pt: Alluvial Fan ORC & Regional Scale, Liquefaction Risk

93



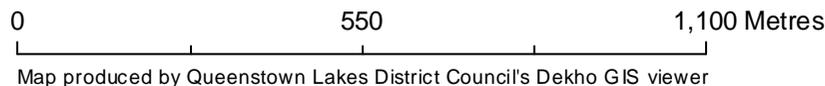
- Legend**
- Dangerous Goods License
 - LPG CYLINDER
 - ★ POTENTIALLY CONTAMINATED SITE
 - Flood Return period**
 - 150 Year
 - 100 Year
 - 75 Year
 - 50 Year
 - Faults**
 - Active
 - Inactive
 - Potentially Contaminated Sites**
 - X Contaminated Sites
 - / Potentially Contaminated Sites
 - / Managed / Remediated
 - / Dangerous Goods Licence
 - / Landfill
 - Landslide Areas**
 - / Active Pre-existing Schist Debris Landslides
 - / Pre-existing Schist Debris Landslides
 - / Dormant Pre-existing Schist Debris Landslides
 - / Slope Failure Hazard in Superficial Deposits
 - / Shallow Slips and Debris Flows in Colluvium
 - / Debris Flow Hazards
 - / Rockfall
 - / Landslide Areas (Outside priority areas)
 - / Flooding - rainfall
 - / Flooding - damburst
 - / Erosion Areas
 - / Alluvial Fan High Hazard - Channels
 - / Alluvial Fan High Hazard - Incision Line
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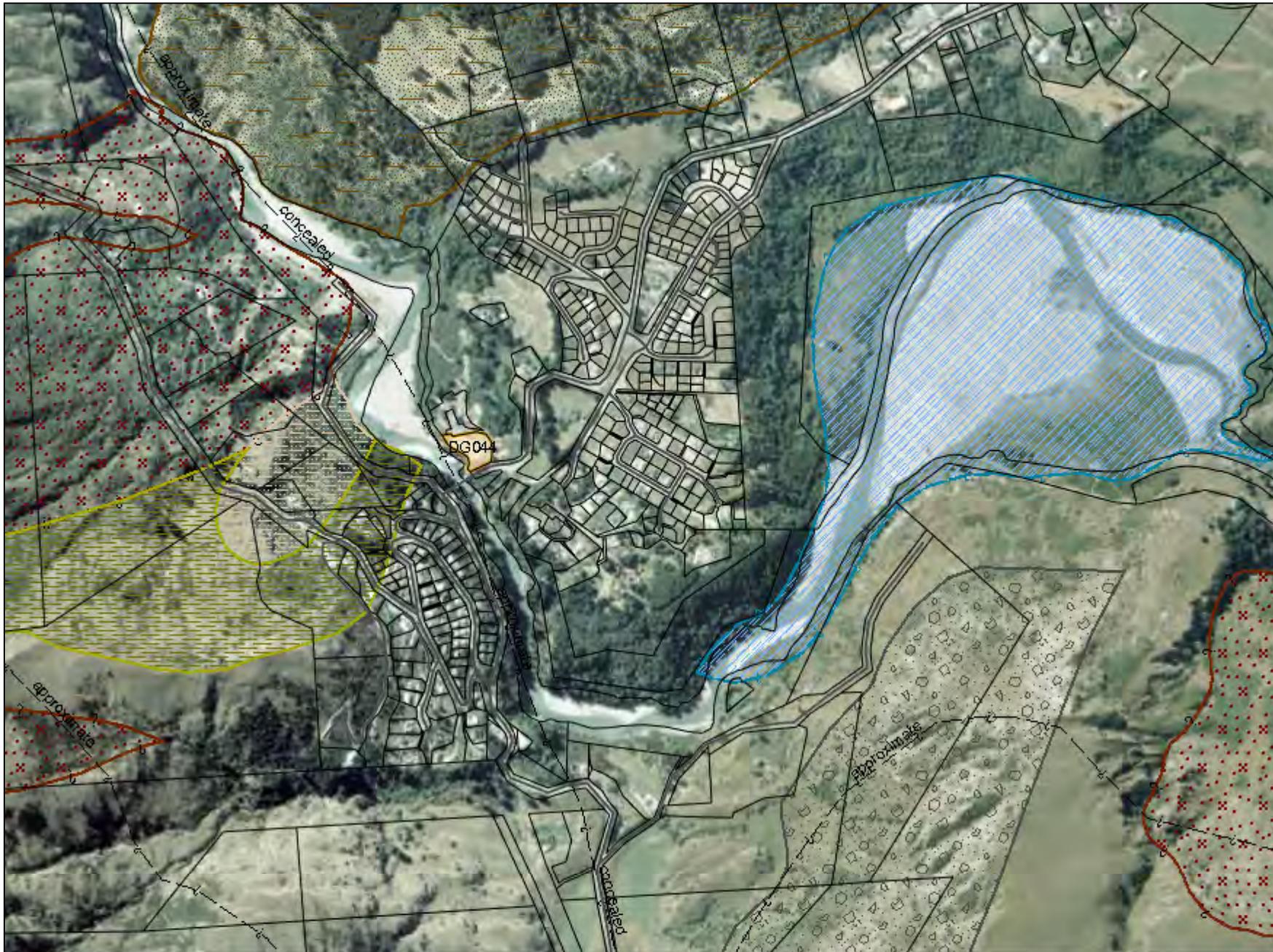


Scale @A4 paper size - 1:12,061



Map date:
16/05/2017

Arthurs Pt: Landslide Areas - Alluvial Fan High Hazard Investigation, Flooding, Seismic Hazards - Faults



- Legend**
- Dangerous Goods License**
 - LPG CYLINDER
 - POTENTIALLY CONTAMINATED SITE
 - Flood Return period**
 - 150 Year
 - 100 Year
 - 75 Year
 - 50 Year
 - Faults**
 - Active
 - Inactive
 - Potentially Contaminated Sites**
 - Contaminated Sites
 - Potentially Contaminated Sites
 - Managed / Remediated
 - Dangerous Goods Licence
 - Landfill
 - Landslide Areas**
 - Active Pre-existing Schist Debris Landslides
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 - Alluvial Fan High Hazard - Hazard Area
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 - Active, Debris-dominated
 - Active, Floodwater-dominated
 - Inactive, Composite
 - Inactive, Debris-dominated
 - Inactive, Floodwater-dominated
 - Liquefaction Risk**
 - LIC 1 - Nil to Low
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 - LIC 3 (P) - Possibly High
 - Possibly Susceptible
 - Susceptible
 - Avalanche Areas**
 - Avalanche Areas
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Scale @A4 paper size - 1:12,061

0 550 1,100 Metres

Map produced by Queenstown Lakes District Council's Dekho GIS viewer

Map date:
16/05/2017

Bob's Cove: Alluvial Fan ORC & Regional Scale, Liquefaction Risk



- Legend**
- Dangerous Goods License
 - LPG CYLINDER
 - POTENTIALLY CONTAMINATED SITE
- Flood Return period**
- 150 Year
 - 100 Year
 - 75 Year
 - 50 Year
- Faults**
- Active
 - Inactive
- Potentially Contaminated Sites**
- Contaminated Sites
 - Potentially Contaminated Sites
 - Managed / Remediated
 - Dangerous Goods Licence
 - Landfill
- Landslide Areas**
- Active Pre-existing Schist Debris Landslides
 - Pre-existing Schist Debris Landslides
 - Dormant Pre-existing Schist Debris Landslides
 - Slope Failure Hazard in Superficial Deposits
 - Shallow Slips and Debris Flows in Colluvium
 - Debris Flow Hazards
 - Rockfall
 - Landslide Areas (Outside priority areas)
 - Flooding - rainfall
 - Flooding - damburst
 - Erosion Areas
 - Alluvial Fan High Hazard - Channels
 - Alluvial Fan High Hazard - Incision Line
 - Alluvial Fan High Hazard - Catchment Areas
 - Alluvial Fan High Hazard - Hazard Area
 - Alluvial Fan High Hazard - Source Area
- Alluvial Fan - ORC**
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- Active, Composite
 - Active, Debris-dominated
 - Active, Floodwater-dominated
 - Inactive, Composite
 - Inactive, Debris-dominated
 - Inactive, Floodwater-dominated
- Liquefaction Risk**
- LIC 1 - Nil to Low
 - LIC 1 (P) - Probably Low
 - LIC 2 (P) - Possibly Moderate
 - LIC 3 (P) - Possibly High
 - Possibly Susceptible
 - Susceptible
- Avalanche Areas**
- Avalanche Areas
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Bob's Cove: Landslide Areas - Alluvial Fan High Hazard Investigation, Flooding, Seismic Hazards - Faults



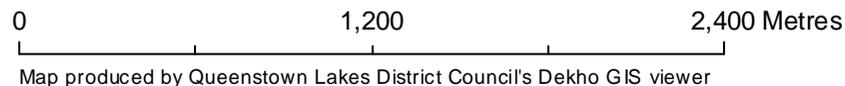
- Legend**
- Dangerous Goods License**
 - LPG CYLINDER
 - POTENTIALLY CONTAMINATED SITE
 - Flood Return period**
 - 150 Year
 - 100 Year
 - 75 Year
 - 50 Year
 - Faults**
 - Active
 - Inactive
 - Potentially Contaminated Sites**
 - Contaminated Sites
 - Potentially Contaminated Sites
 - Managed / Re mediated
 - Dangerous Goods Licence
 - Landfill
 - Landslide Areas**
 - Active Pre-existing Schist Debris Landslides
 - Pre-existing Schist Debris Landslides
 - Dormant Pre-existing Schist Debris Landslides
 - Slope Failure Hazard in Superficial Deposits
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 - Debris Flow Hazards
 - Rockfall
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 - Alluvial Fan High Hazard - Incision Line
 - Alluvial Fan High Hazard - Catchment Areas
 - Alluvial Fan High Hazard - Hazard Area
 - Alluvial Fan High Hazard - Source Area
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 - Active, Composite
 - Active, Debris-dominated
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 - Inactive, Composite
 - Inactive, Debris-dominated
 - Inactive, Floodwater-dominated
 - Liquefaction Risk**
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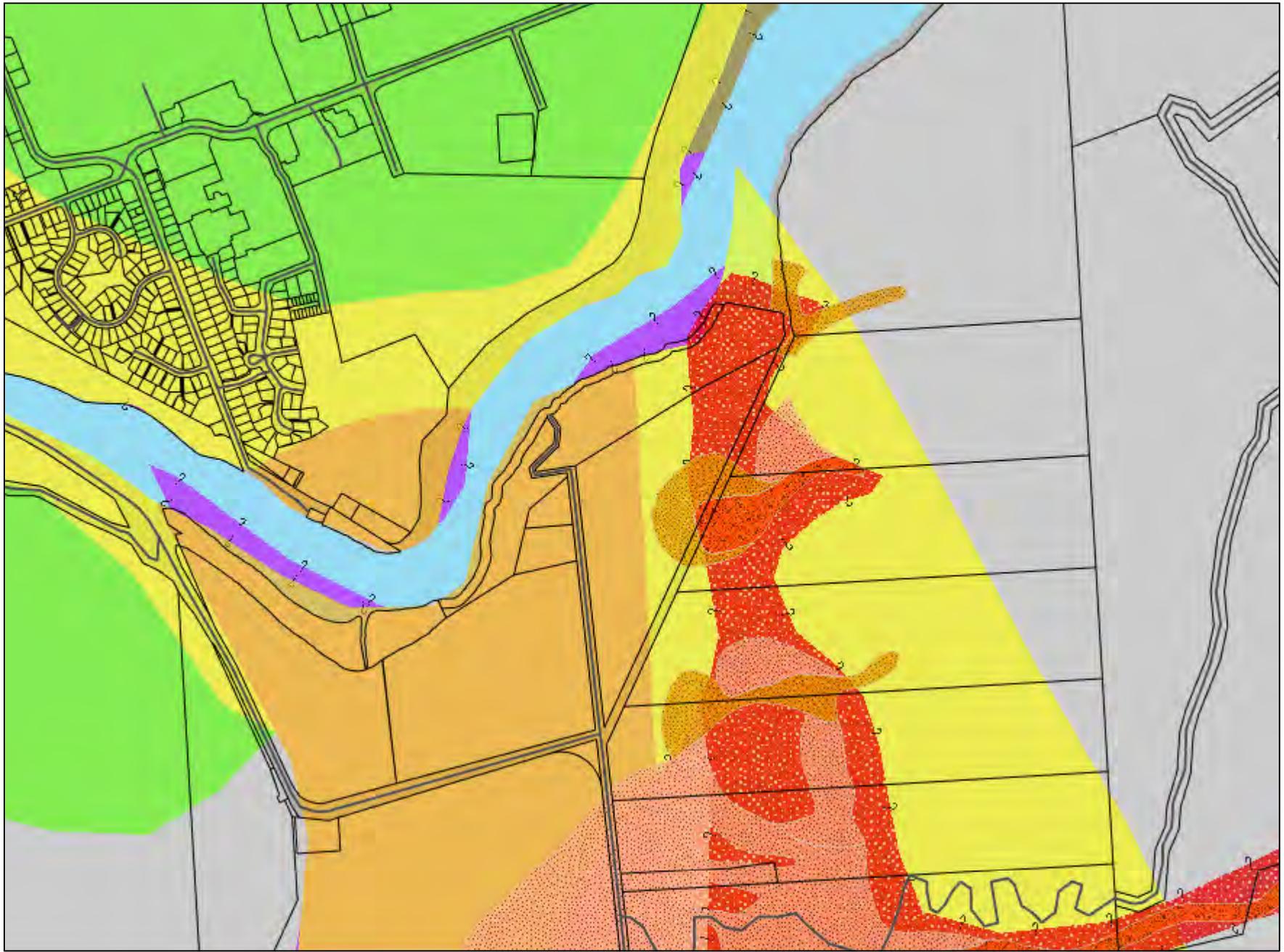


Scale @A4 paper size - 1:25,721



Map date:
16/05/2017

Boyd Rd: Alluvial Fan ORC & Regional Scale, Liquefaction Risk



- Legend**
- Dangerous Goods License**
 - LPG CYLINDER
 - POTENTIALLY CONTAMINATED SITE
 - Flood Return period**
 - 150 Year
 - 100 Year
 - 75 Year
 - 50 Year
 - Faults**
 - Active
 - Inactive
 - Potentially Contaminated Sites**
 - Contaminated Sites
 - Potentially Contaminated Sites
 - Managed / Remediated
 - Dangerous Goods Licence
 - Landfill
 - Landslide Areas**
 - Active Pre-existing Schist Debris Landslides
 - Pre-existing Schist Debris Landslides
 - Dormant Pre-existing Schist Debris Landslides
 - Slope Failure Hazard in Superficial Deposits
 - Shallow Slips and Debris Flows in Colluvium
 - Debris Flow Hazards
 - Rockfall
 - Landslide Areas (Outside priority areas)
 - Flooding - rainfall
 - Flooding - damburst
 - Erosion Areas
 - Alluvial Fan High Hazard - Channels
 - Alluvial Fan High Hazard - Incision Line
 - Alluvial Fan High Hazard - Catchment Areas
 - Alluvial Fan High Hazard - Hazard Area
 - Alluvial Fan High Hazard - Source Area
 - Alluvial Fan - ORC**
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 - Active, Composite
 - Active, Debris-dominated
 - Active, Floodwater-dominated
 - Inactive, Composite
 - Inactive, Debris-dominated
 - Inactive, Floodwater-dominated
 - Liquefaction Risk**
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 - LIC 1 (P) - Probably Low
 - LIC 2 (P) - Possibly Moderate
 - LIC 3 (P) - Possibly High
 - Possibly Susceptible
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 - Avalanche Areas**
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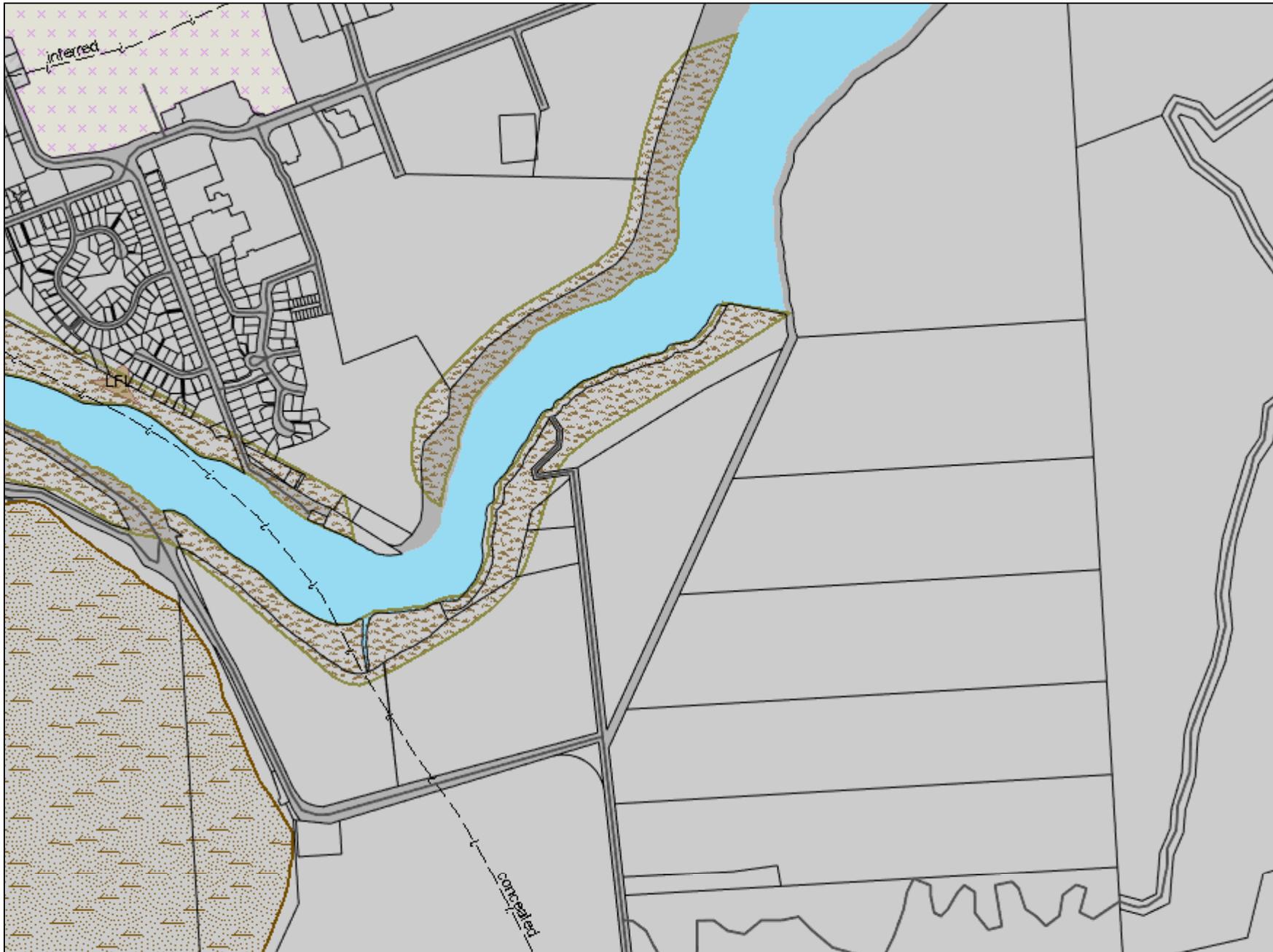
Scale @A4 paper size - 1:12,061

0 550 1,100 Metres

Map produced by Queenstown Lakes District Council's Dekho GIS viewer

Map date:
16/05/2017

Boyd Rd: Landslide Areas - Alluvial Fan High Hazard Investigation, Flooding, Seismic Hazards - Faults 93



- Legend**
- Dangerous Goods License
 - LPG CYLINDER
 - ★ POTENTIALLY CONTAMINATED SITE
- Flood Return period**
- 150 Year
 - 100 Year
 - 75 Year
 - 50 Year
- Faults**
- Active
 - Inactive
- Potentially Contaminated Sites**
- X Contaminated Sites
 - X Potentially Contaminated Sites
 - Managed / Remediated
 - Dangerous Goods Licence
 - Landfill
- Landslide Areas**
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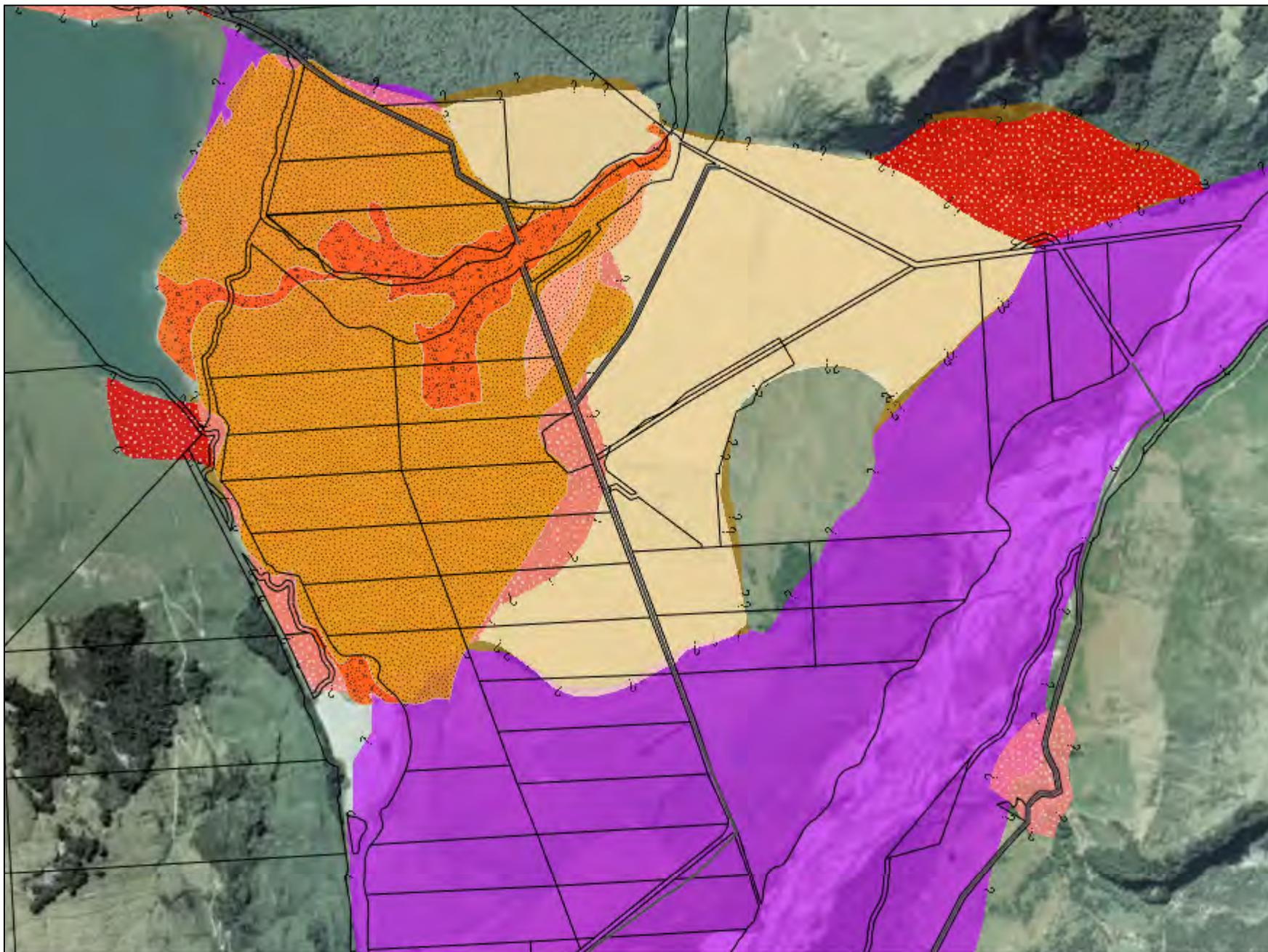
Scale @A4 paper size - 1:12,061

0 550 1,100 Metres

Map produced by Queenstown Lakes District Council's Dekho GIS viewer

Map date:
16/05/2017

Camphill: Alluvial Fan ORC & Regional Scale, Liquefaction Risk



- Legend**
- Dangerous Goods License
 - LPG CYLINDER
 - ★ POTENTIALLY CONTAMINATED SITE
 - Flood Return period**
 - 150 Year
 - 100 Year
 - 75 Year
 - 50 Year
 - Faults**
 - Active
 - Inactive
 - Potentially Contaminated Sites**
 - X Contaminated Sites
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Camphill: Landslide Areas - Alluvial Fan High Hazard Investigation, Flooding, Seismic Hazards - Faults 93



- Legend**
- Dangerous Goods License
 - LPG CYLINDER
 - ★ POTENTIALLY CONTAMINATED SITE
- Flood Return period**
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 - 50 Year
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 - Inactive
- Potentially Contaminated Sites**
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 - x Potentially Contaminated Sites
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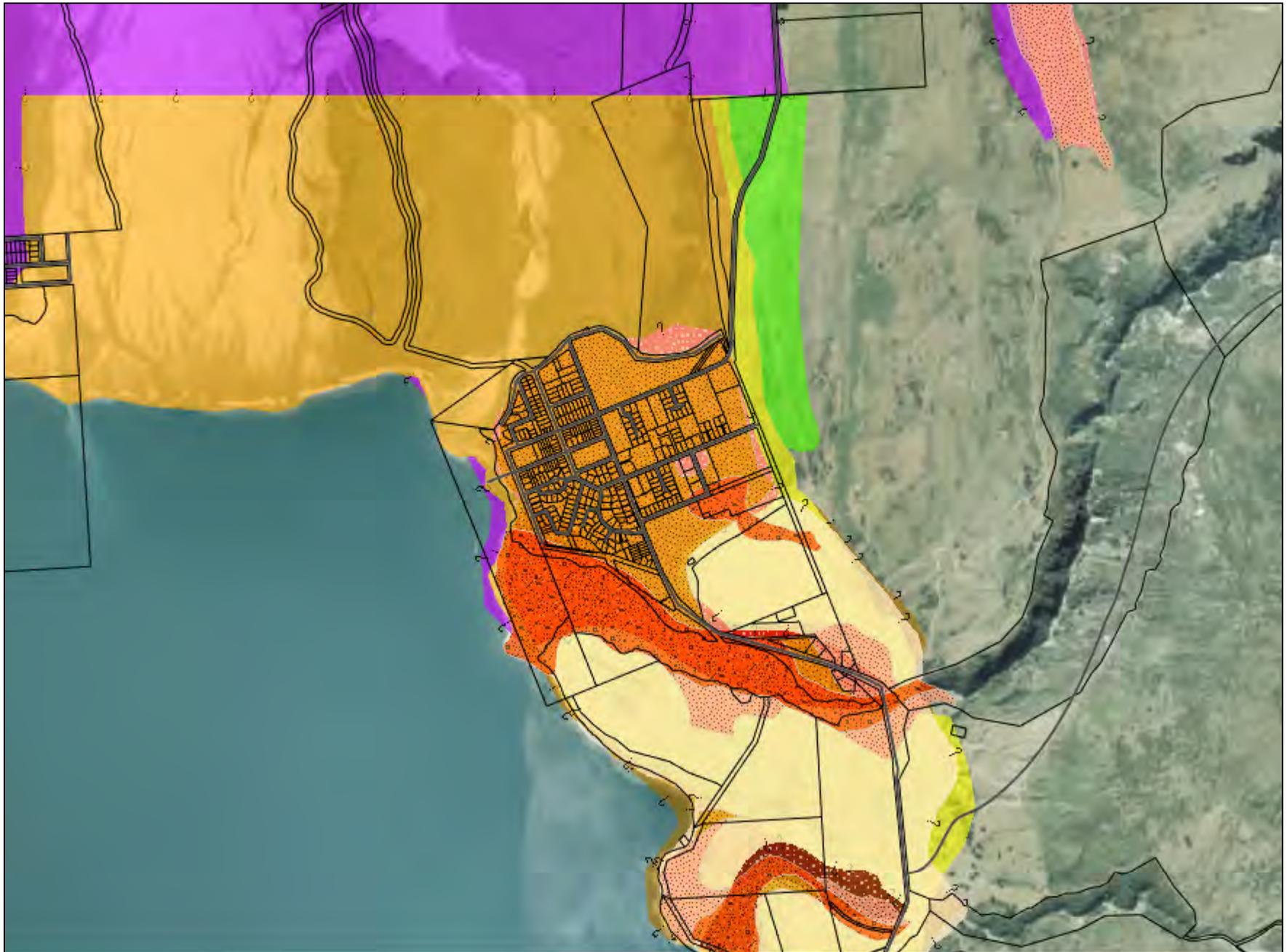
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Map produced by Queenstown Lakes District Council's Dekho GIS viewer

Map date:
16/05/2017

Glenorchy: Alluvial Fan ORC & Regional Scale, Liquefaction Risk

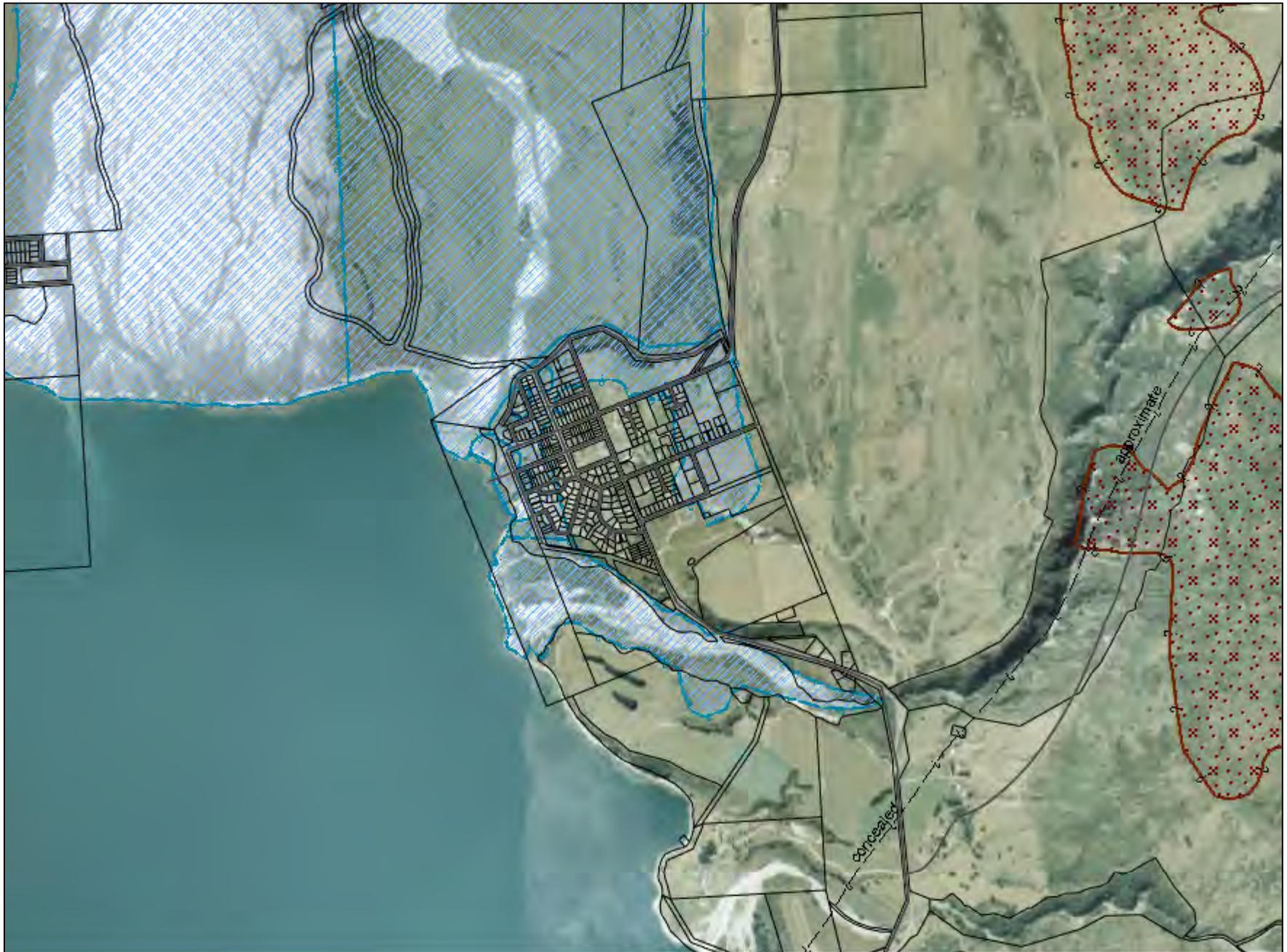


- Legend**
- Dangerous Goods License**
 - LPG CYLINDER
 - POTENTIALLY CONTAMINATED SITE
 - Flood Return period**
 - 150 Year
 - 100 Year
 - 75 Year
 - 50 Year
 - Faults**
 - Active
 - Inactive
 - Potentially Contaminated Sites**
 - Contaminated Sites
 - Potentially Contaminated Sites
 - Managed / Remediated
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 - Possibly Susceptible
 - Susceptible
 - Avalanche Areas**
 - Avalanche Areas
- Lines and areas with approximate locations are shown with '-?-'



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Glenorchy: Landslide Areas - Alluvial Fan High Hazard Investigation, Flooding, Seismic Hazards - Faults



- Legend**
- Dangerous Goods License**
 - LPG CYLINDER
 - POTENTIALLY CONTAMINATED SITE
 - Flood Return period**
 - 150 Year
 - 100 Year
 - 75 Year
 - 50 Year
 - Faults**
 - Active
 - Inactive
 - Potentially Contaminated Sites**
 - Contaminated Sites
 - Potentially Contaminated Sites
 - Managed / Remediated
 - Dangerous Goods Licence
 - Landfill
 - Landslide Areas**
 - Active Pre-existing Schist Debris Landslides
 - Pre-existing Schist Debris Landslides
 - Dormant Pre-existing Schist Debris Landslides
 - Slope Failure Hazard in Superficial Deposits
 - Shallow Slips and Debris Flows in Colluvium
 - Debris Flow Hazards
 - Rockfall
 - Landslide Areas (Outside priority areas)
 - Flooding - rainfall
 - Flooding - damburst
 - Erosion Areas
 - Alluvial Fan High Hazard - Channels
 - Alluvial Fan High Hazard - Incision Line
 - Alluvial Fan High Hazard - Catchment Areas
 - Alluvial Fan High Hazard - Hazard Area
 - Alluvial Fan High Hazard - Source Area
 - Alluvial Fan - ORC**
 - fna - fan active bed
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 - fla - fan less recently active
 - Alluvial Fans Regional scale**
 - Active, Composite
 - Active, Debris-dominated
 - Active, Floodwater-dominated
 - Inactive, Composite
 - Inactive, Debris-dominated
 - Inactive, Floodwater-dominated
 - Liquefaction Risk**
 - LIC 1 - Nil to Low
 - LIC 1 (P) - Probably Low
 - LIC 2 (P) - Possibly Moderate
 - LIC 3 (P) - Possibly High
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Scale @A4 paper size - 1:24,122

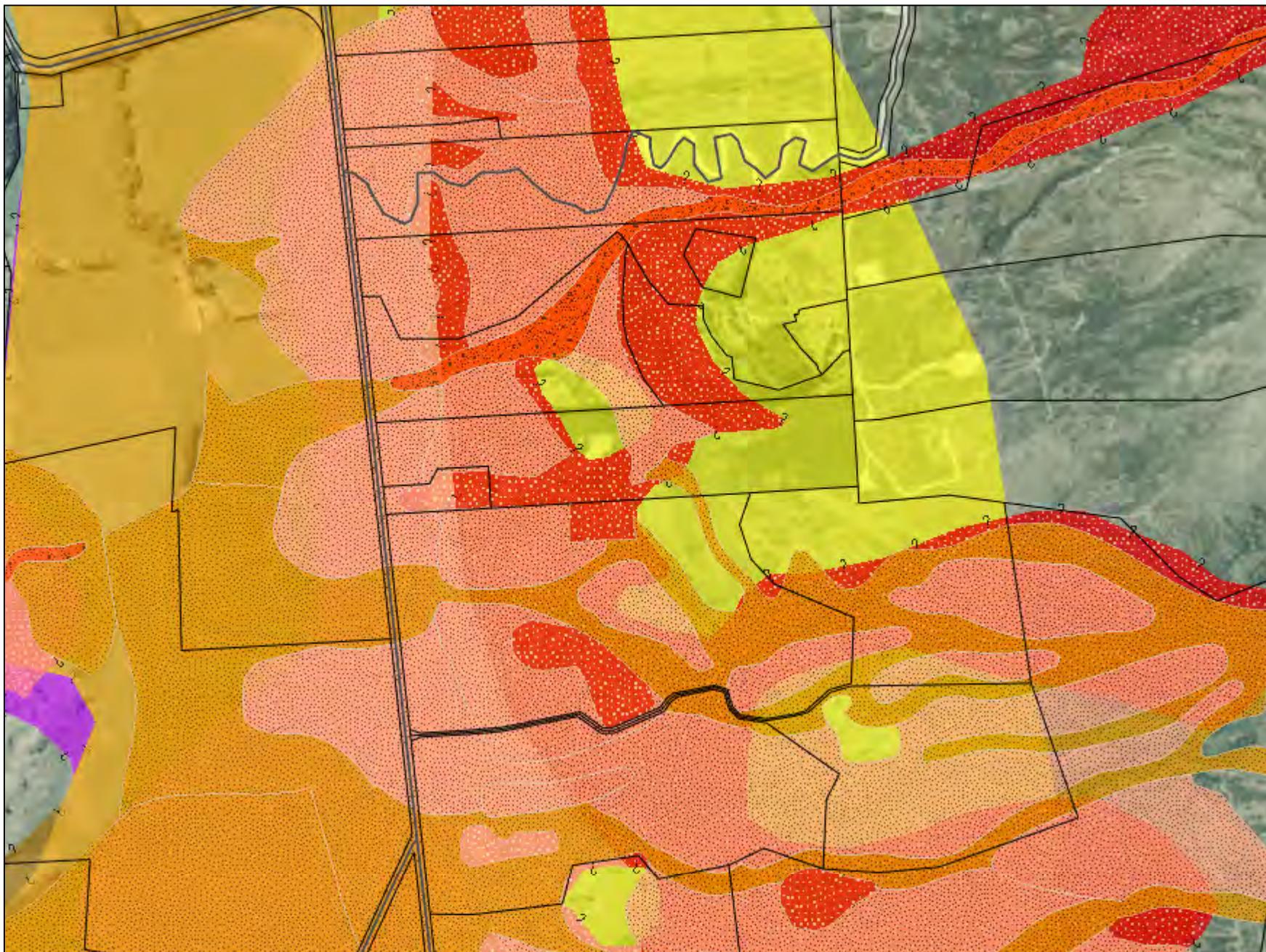


Map produced by Queenstown Lakes District Council's Dekho GIS viewer

Map date:
16/05/2017

Industrial: Alluvial Fan ORC & Regional Scale, Liquefaction Risk

93



- Legend**
- Dangerous Goods License
 - LPG CYLINDER
 - POTENTIALLY CONTAMINATED SITE
- Flood Return period**
- 150 Year
 - 100 Year
 - 75 Year
 - 50 Year
- Faults**
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- Potentially Contaminated Sites**
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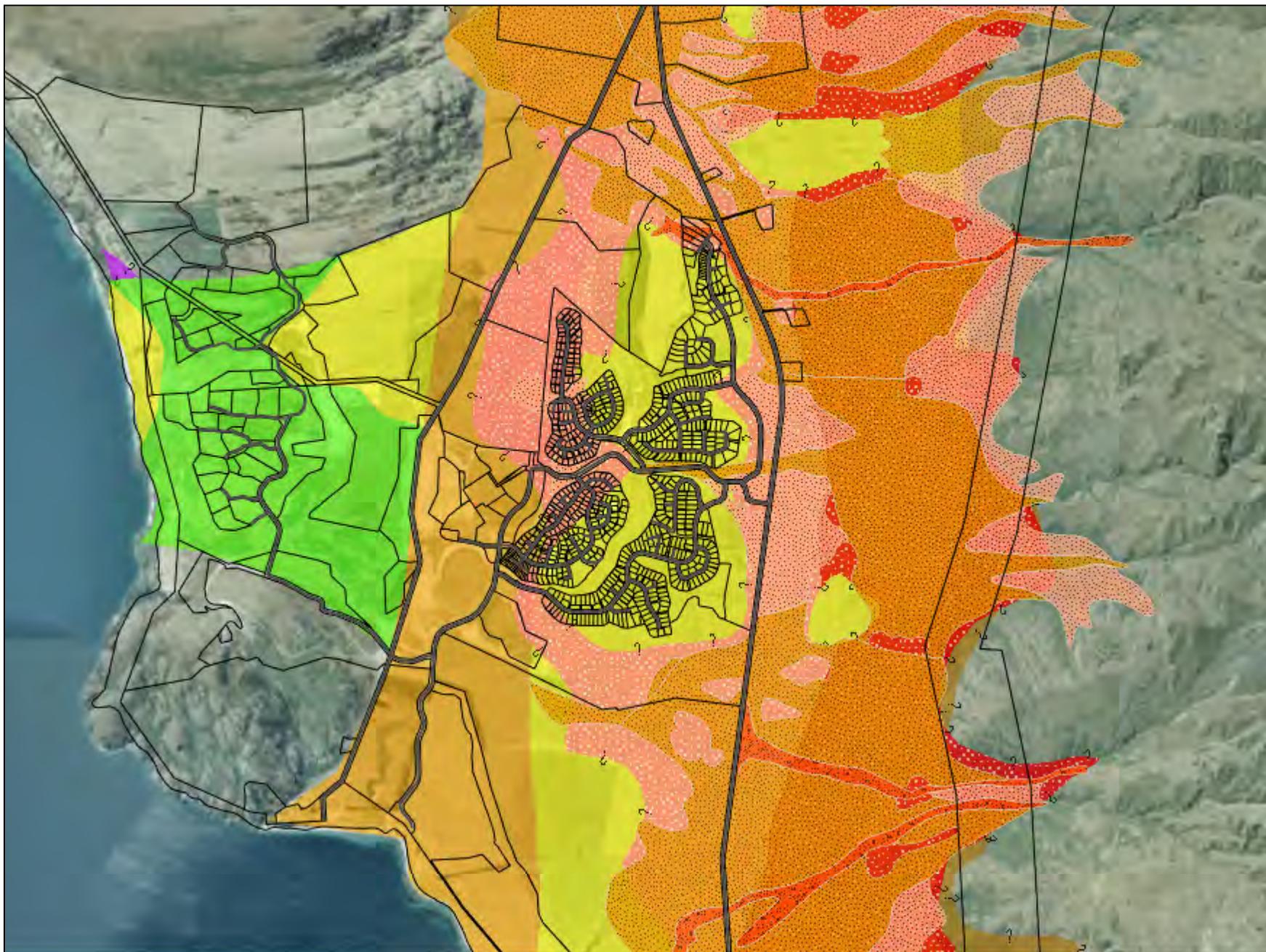
Industrial: Landslide Areas - Alluvial Fan High Hazard Investigation, Flooding, Seismic Hazards - Faults



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Jacks Point: Alluvial Fan ORC & Regional Scale, Liquefaction Risk

93



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 - LPG CYLINDER
 - POTENTIALLY CONTAMINATED SITE
 - Flood Return period**
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 - 100 Year
 - 75 Year
 - 50 Year
 - Faults**
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 - Inactive
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 - Contaminated Sites
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 - Managed / Remediated
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Jacks Point: Landslide Areas - Alluvial Fan High Hazard Investigation, Flooding, Seismic Hazards - Faults

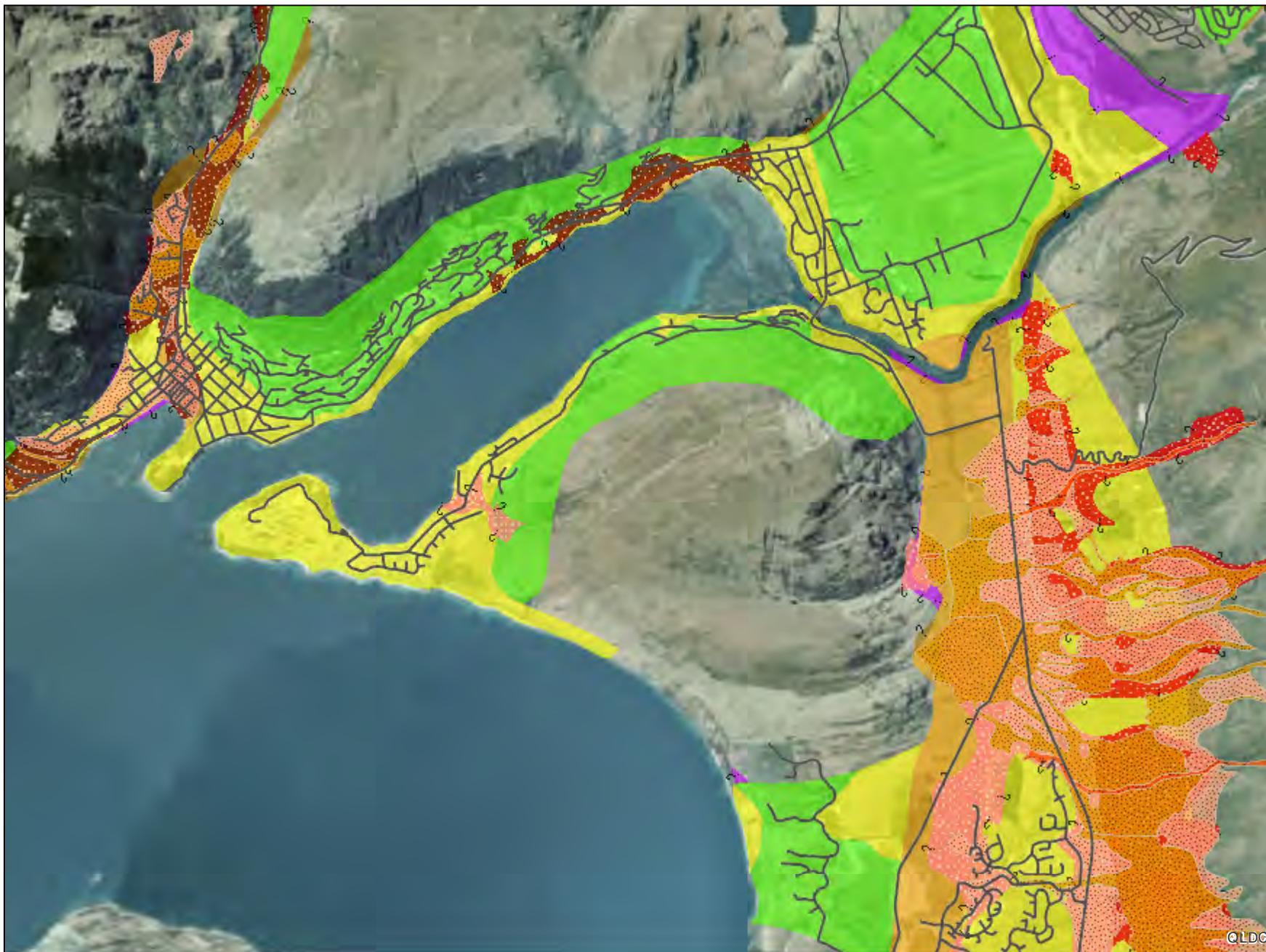


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- Dangerous Goods License
 - LPG CYLINDER
 - ★ POTENTIALLY CONTAMINATED SITE
 - Flood Return period**
 - 150 Year
 - 100 Year
 - 75 Year
 - 50 Year
 - Faults**
 - Active
 - Inactive
 - Potentially Contaminated Sites**
 - X Contaminated Sites
 - / Potentially Contaminated Sites
 - / Managed / Remediated
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Kelvin H: Alluvial Fan ORC & Regional Scale, Liquefaction Risk



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 - LPG CYLINDER
 - POTENTIALLY CONTAMINATED SITE
 - Flood Return period**
 - 150 Year
 - 100 Year
 - 75 Year
 - 50 Year
 - Faults**
 - Active
 - Inactive
 - Potentially Contaminated Sites**
 - Contaminated Sites
 - Potentially Contaminated Sites
 - Managed / Remediated
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Scale @A4 paper size - 1:48,243

0 2,300 4,600 Metres

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Map date:
16/05/2017

Kelvin H: Landslide Areas - Alluvial Fan High Hazard Investigation, Flooding, Seismic Hazards - Faults



- Legend**
- Dangerous Goods License**
 - LPG CYLINDER
 - POTENTIALLY CONTAMINATED SITE
 - Flood Return period**
 - 150 Year
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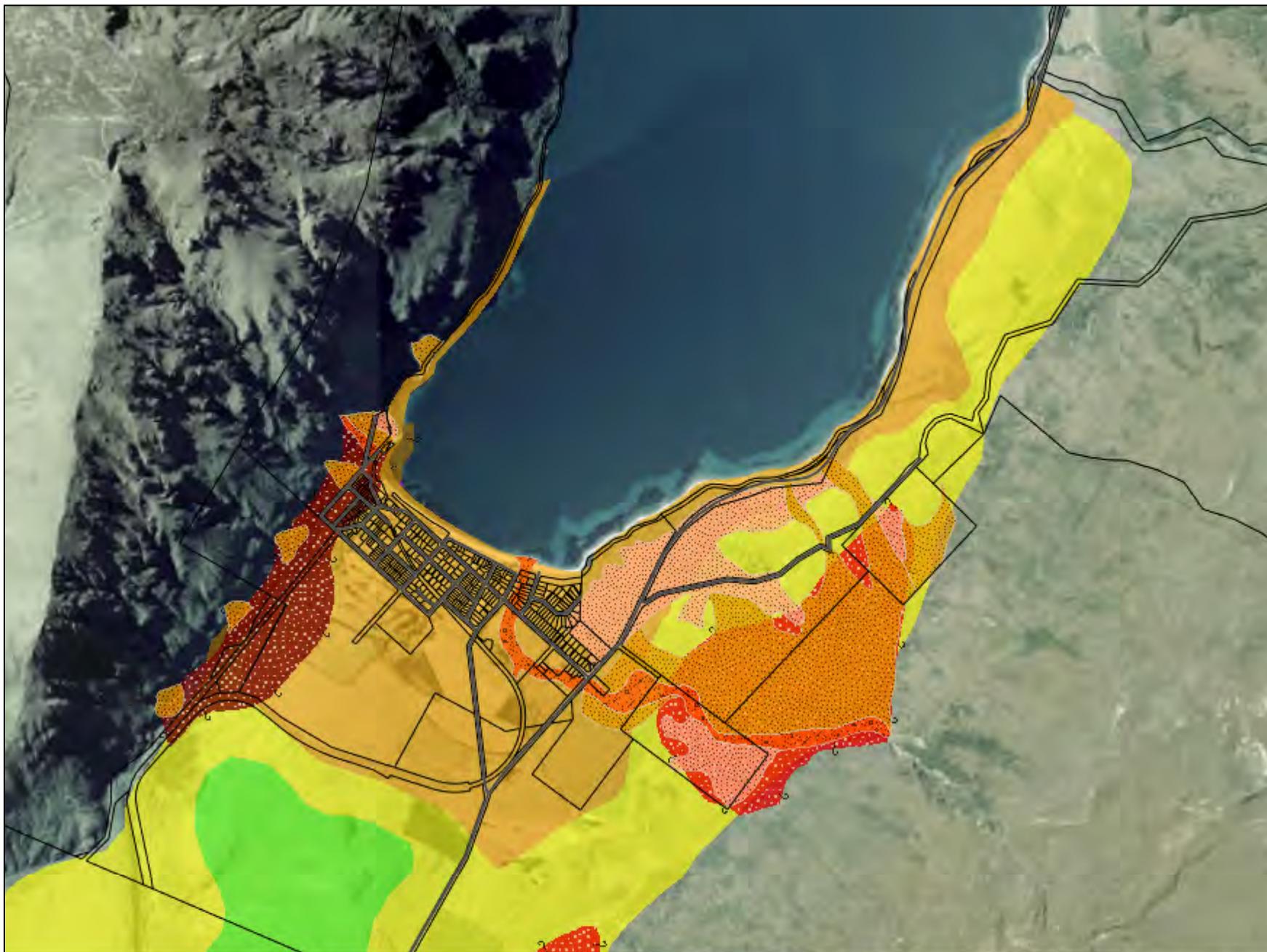
Scale @A4 paper size - 1:48,243

0 2,300 4,600 Metres

Map produced by Queenstown Lakes District Council's Dekho GIS viewer

Map date:
16/05/2017

Kingston: Alluvial Fan ORC & Regional Scale, Liquefaction Risk

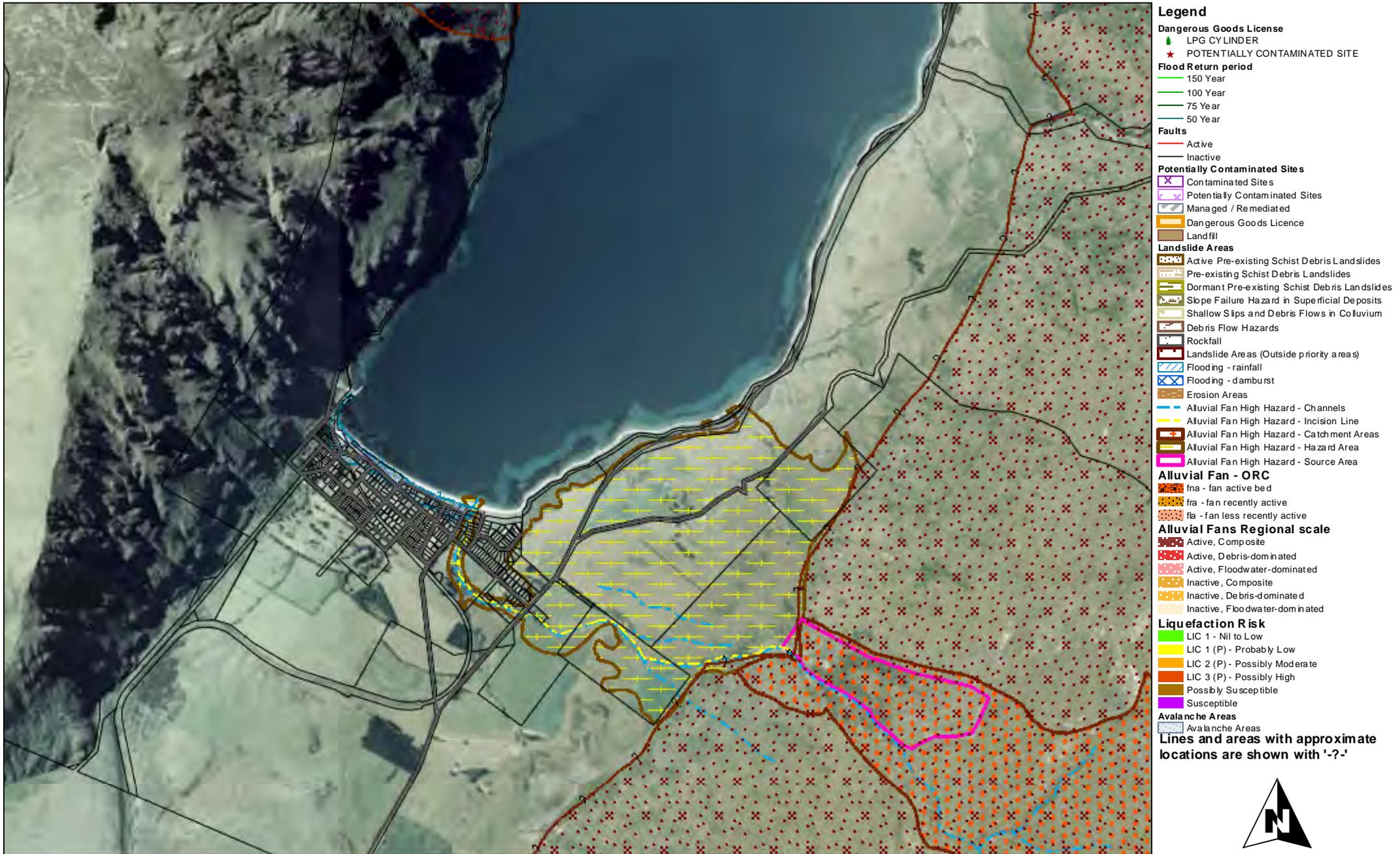


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 - POTENTIALLY CONTAMINATED SITE
 - Flood Return period**
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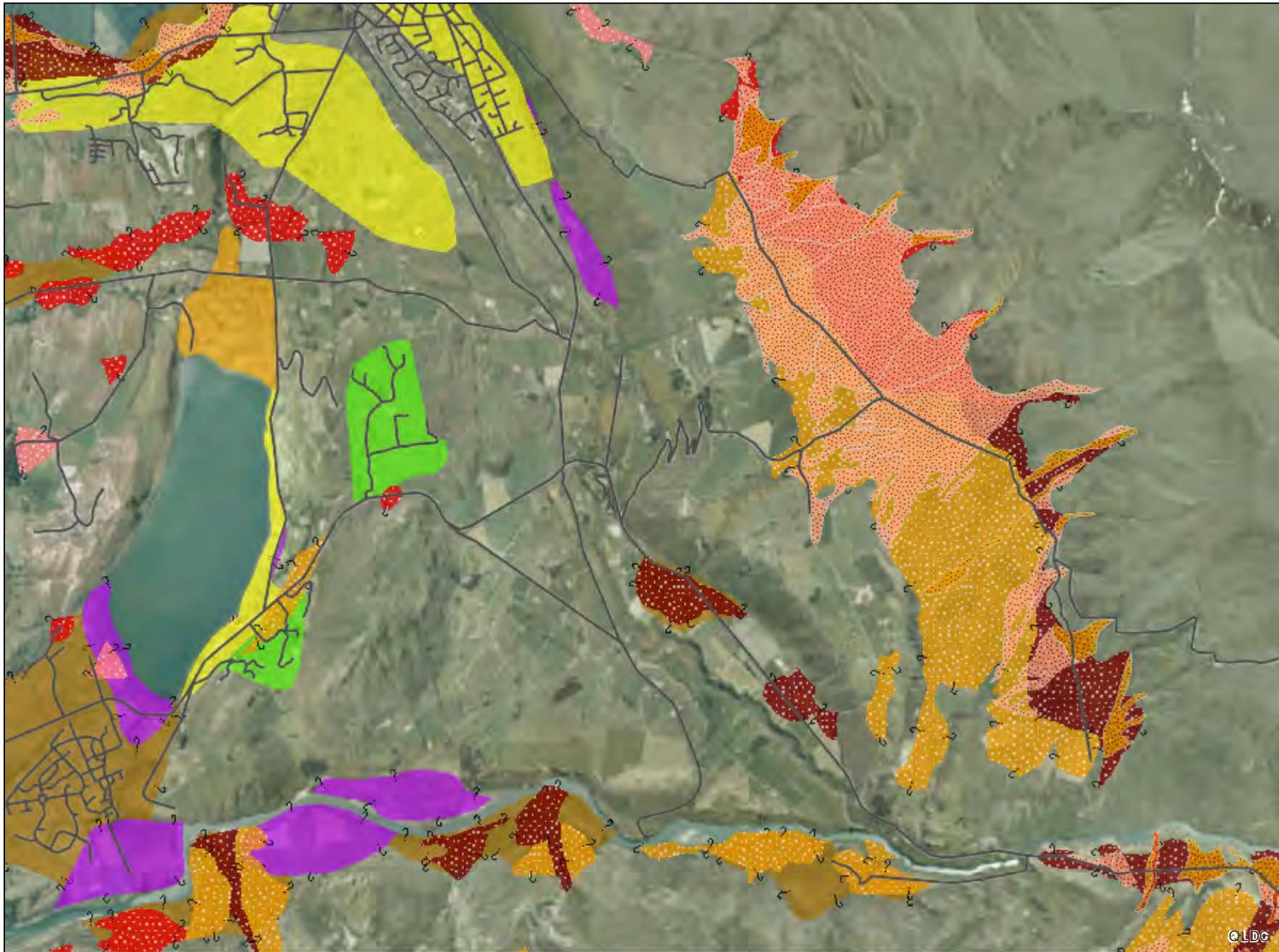
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Kingston: Landslide Areas - Alluvial Fan High Hazard Investigation, Flooding, Seismic Hazards - Faults 93



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L Hayes East: Alluvial Fan ORC & Regional Scale, Liquefaction Risk



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Scale @A4 paper size - 1:48,243



Map produced by Queenstown Lakes District Council's Dekho GIS viewer

Map date:
16/05/2017

L Hayes East: Landslide Areas - Alluvial Fan High Hazard Investigation, Flooding, Seismic Hazards - **93** Faults



Legend

- Dangerous Goods License**
 - LPG CYLINDER
 - POTENTIALLY CONTAMINATED SITE
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Lines and areas with approximate locations are shown with '??'

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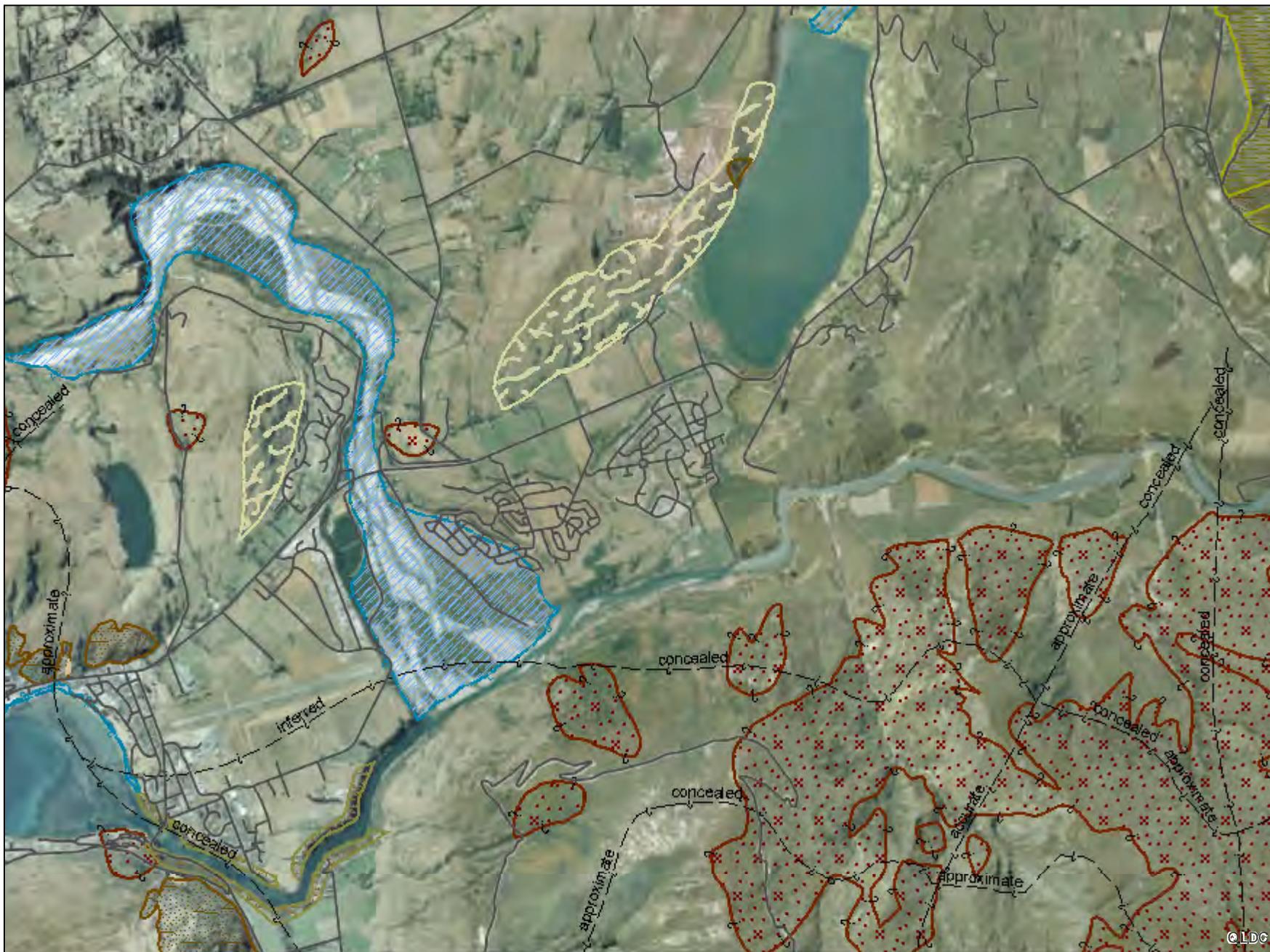
0 2,300 4,600 Metres

Map produced by Queenstown Lakes District Council's Dekho GIS viewer

Map date:
16/05/2017



L Hayes Sth: Landslide Areas - Alluvial Fan High Hazard Investigation, Flooding, Seismic Hazards - Faults



Legend

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 - LPG CYLINDER
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0 2,300 4,600 Metres

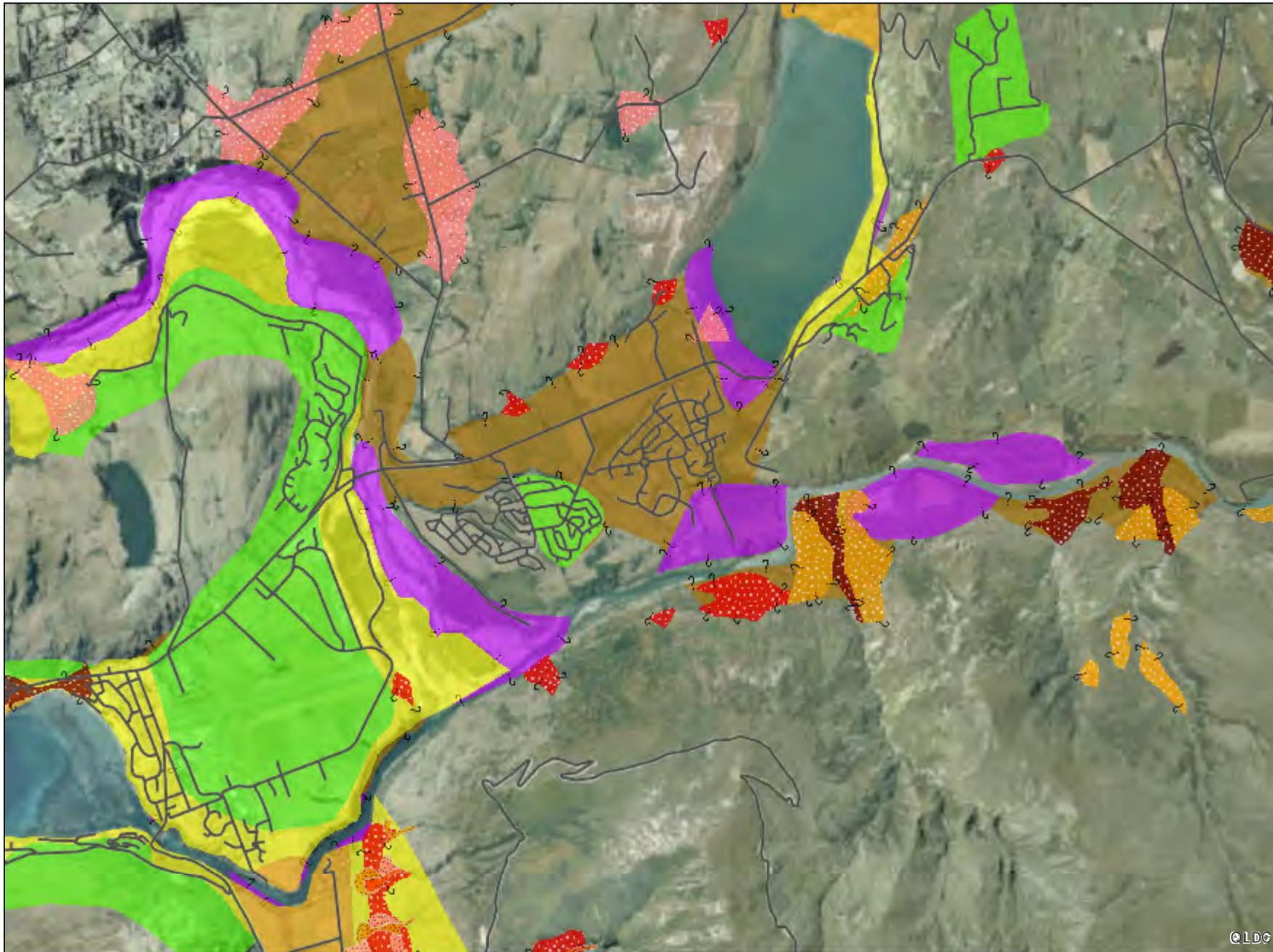
Map produced by Queenstown Lakes District Council's Dekho GIS viewer

Map date:
16/05/2017



L Hayes Sth: Alluvial Fan ORC & Regional Scale, Liquefaction Risk

93



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 - Susceptible
 - Avalanche Areas**
 - Avalanche Areas
- Lines and areas with approximate locations are shown with '-?-'



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Scale @A4 paper size - 1:48,243

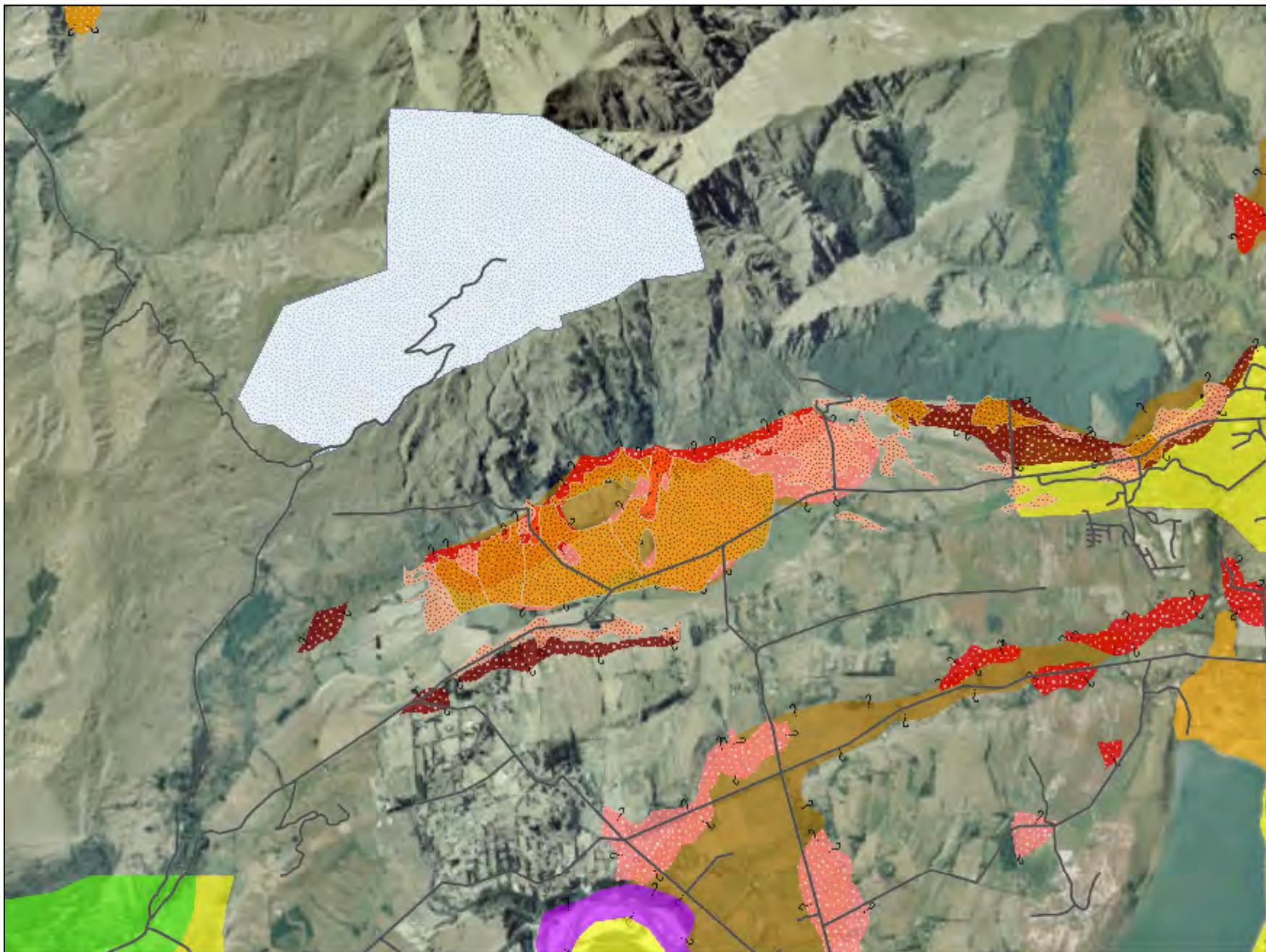
0 2,300 4,600 Metres

Map produced by Queenstown Lakes District Council's Dekho GIS viewer

Map date:
16/05/2017

L Hayes West: Alluvial Fan ORC & Regional Scale, Liquefaction Risk

93



- Legend**
- Dangerous Goods License
 - LPG CYLINDER
 - ★ POTENTIALLY CONTAMINATED SITE
 - Flood Return period**
 - 150 Year
 - 100 Year
 - 75 Year
 - 50 Year
 - Faults**
 - Active
 - Inactive
 - Potentially Contaminated Sites**
 - X Contaminated Sites
 - v Potentially Contaminated Sites
 - Managed / Remediated
 - Dangerous Goods Licence
 - Landfill
 - Landslide Areas**
 - Active Pre-existing Schist Debris Landslides
 - Pre-existing Schist Debris Landslides
 - Dormant Pre-existing Schist Debris Landslides
 - Slope Failure Hazard in Superficial Deposits
 - Shallow Slips and Debris Flows in Coluvium
 - Debris Flow Hazards
 - Rockfall
 - Landslide Areas (Outside priority areas)
 - Flooding - rainfall
 - Flooding - damburst
 - Erosion Areas
 - Alluvial Fan High Hazard - Channels
 - Alluvial Fan High Hazard - Incision Line
 - Alluvial Fan High Hazard - Catchment Areas
 - Alluvial Fan High Hazard - Hazard Area
 - Alluvial Fan High Hazard - Source Area
 - Alluvial Fan - ORC**
 - fna - fan active bed
 - fla - fan recently active
 - fls - fan less recently active
 - Alluvial Fans Regional scale**
 - Active, Composite
 - Active, Debris-dominated
 - Active, Floodwater-dominated
 - Inactive, Composite
 - Inactive, Debris-dominated
 - Inactive, Floodwater-dominated
 - Liquefaction Risk**
 - LIC 1 - Nil to Low
 - LIC 1 (P) - Probably Low
 - LIC 2 (P) - Possibly Moderate
 - LIC 3 (P) - Possibly High
 - Possibly Susceptible
 - Susceptible
 - Avalanche Areas**
 - Avalanche Areas
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Scale @A4 paper size - 1:48,243

0 2,300 4,600 Metres

Map produced by Queenstown Lakes District Council's Dekho GIS viewer

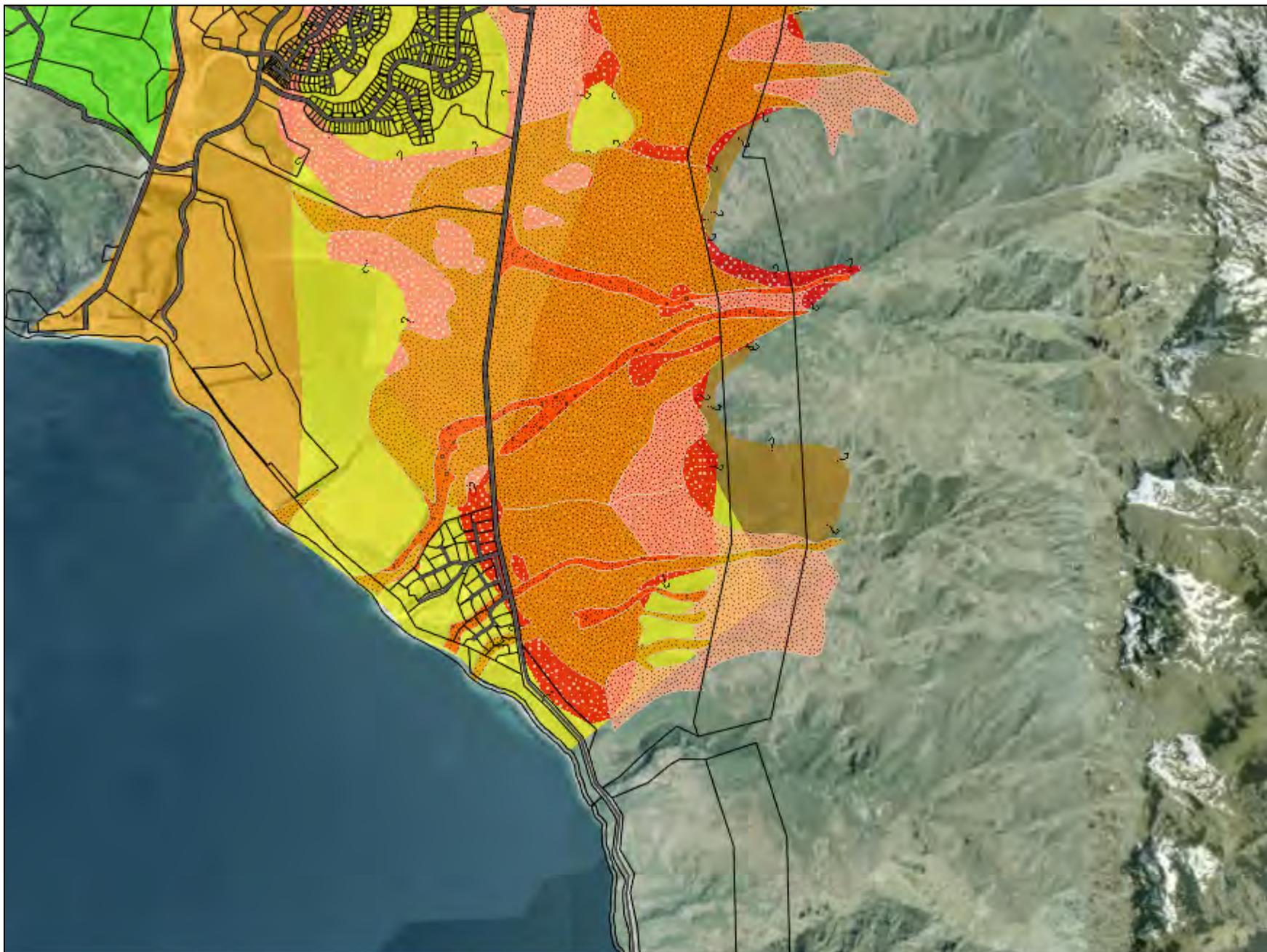
Map date:
16/05/2017

L Kayes West: Landslide Areas - Alluvial Fan High Hazard Investigation, Flooding, Seismic Hazards - 53



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Lakeside Estate: Alluvial Fan ORC & Regional Scale, Liquefaction Risk

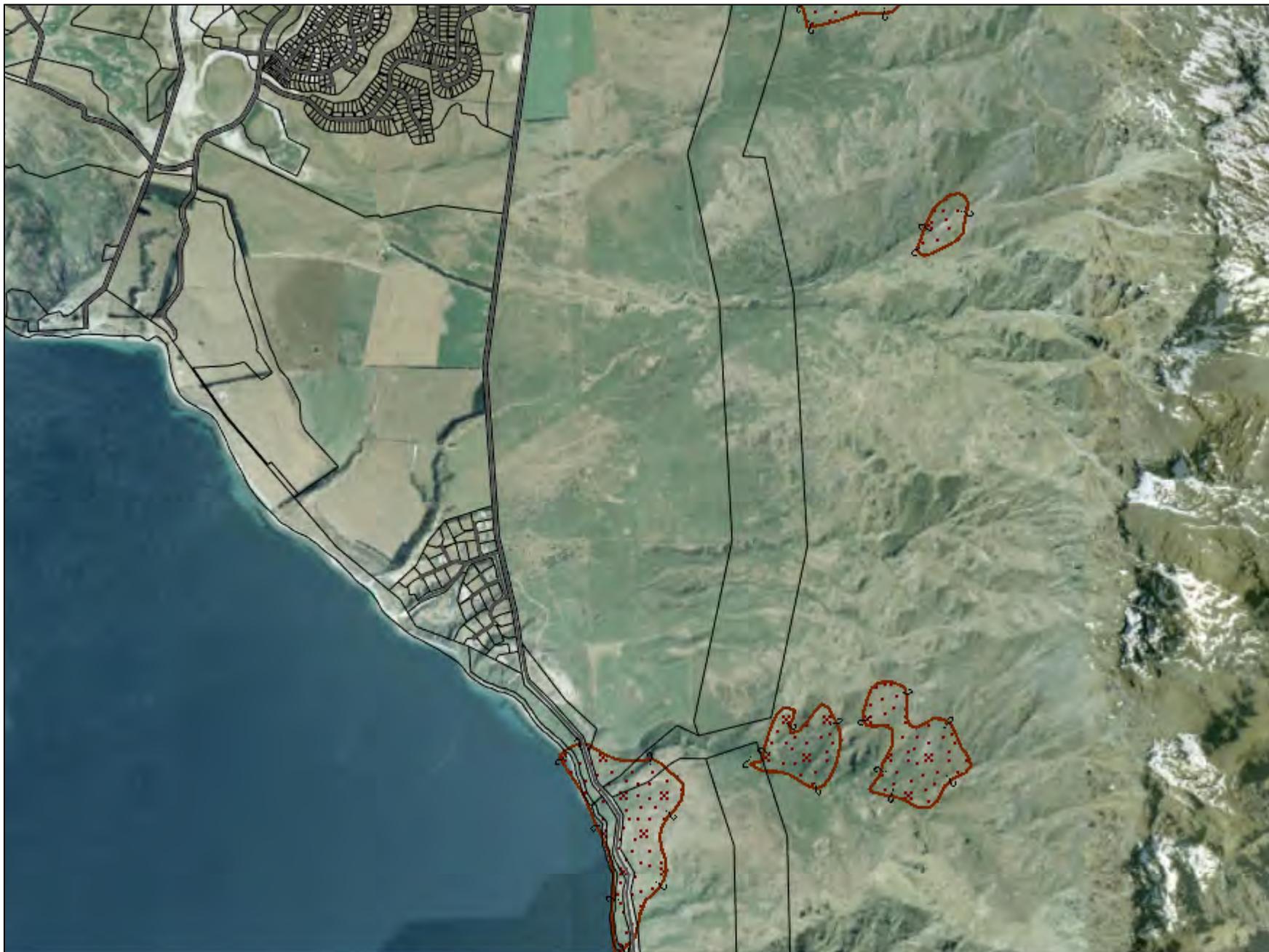


- Legend**
- Dangerous Goods License
 - LPG CYLINDER
 - ★ POTENTIALLY CONTAMINATED SITE
- Flood Return period**
- 150 Year
 - 100 Year
 - 75 Year
 - 50 Year
- Faults**
- Active
 - Inactive
- Potentially Contaminated Sites**
- X Contaminated Sites
 - / Potentially Contaminated Sites
 - / Managed / Remediated
 - / Dangerous Goods Licence
 - / Landfill
- Landslide Areas**
- / Active Pre-existing Schist Debris Landslides
 - / Pre-existing Schist Debris Landslides
 - / Dormant Pre-existing Schist Debris Landslides
 - / Slope Failure Hazard in Superficial Deposits
 - / Shallow Slips and Debris Flows in Colluvium
 - / Debris Flow Hazards
 - / Rockfall
 - / Landslide Areas (Outside priority areas)
 - / Flooding - rainfall
 - / Flooding - damburst
 - / Erosion Areas
 - / Alluvial Fan High Hazard - Channels
 - / Alluvial Fan High Hazard - Incision Line
 - / Alluvial Fan High Hazard - Catchment Areas
 - / Alluvial Fan High Hazard - Hazard Area
 - / Alluvial Fan High Hazard - Source Area
- Alluvial Fan - ORC**
- / fna - fan active bed
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 - / Active, Floodwater-dominated
 - / Inactive, Composite
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 - / Inactive, Floodwater-dominated
- Liquefaction Risk**
- LIC 1 - Nil to Low
 - LIC 1 (P) - Probably Low
 - LIC 2 (P) - Possibly Moderate
 - LIC 3 (P) - Possibly High
 - Possibly Susceptible
 - Susceptible
- Avalanche Areas**
- / Avalanche Areas
- Lines and areas with approximate locations are shown with '-?-'**



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Lakeside Estate: Landslide Areas - Alluvial Fan High Hazard Investigation, Flooding, Seismic Hazards 93 Faults

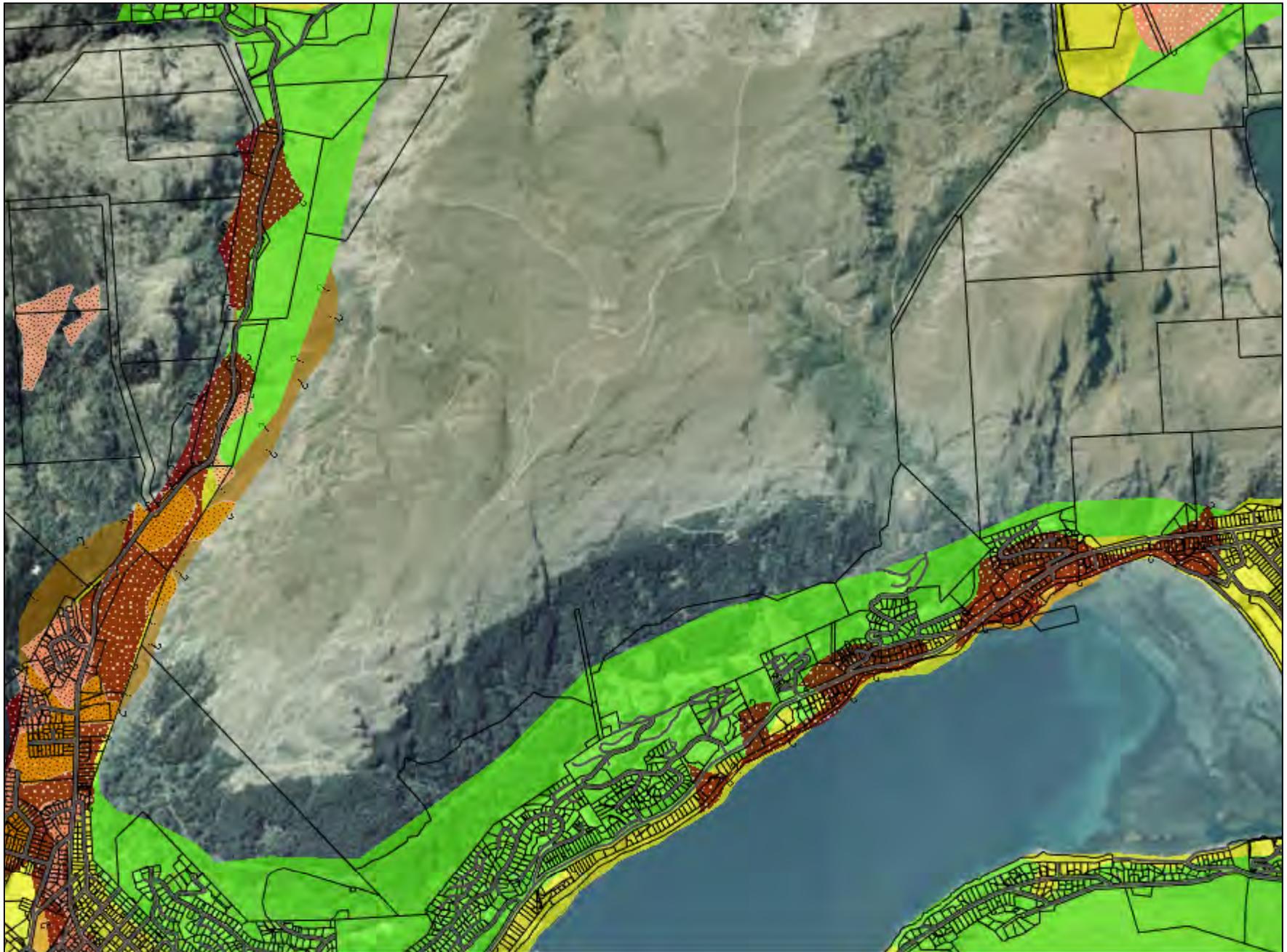


- Legend**
- Dangerous Goods License
 - LPG CYLINDER
 - ★ POTENTIALLY CONTAMINATED SITE
- Flood Return period**
- 150 Year
 - 100 Year
 - 75 Year
 - 50 Year
- Faults**
- Active
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- Avalanche Areas
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Qtown Hill: Alluvial Fan ORC & Regional Scale, Liquefaction Risk



- Legend**
- Dangerous Goods License**
 - LPG CYLINDER
 - POTENTIALLY CONTAMINATED SITE
 - Flood Return period**
 - 150 Year
 - 100 Year
 - 75 Year
 - 50 Year
 - Faults**
 - Active
 - Inactive
 - Potentially Contaminated Sites**
 - Contaminated Sites
 - Potentially Contaminated Sites
 - Managed / Remediated
 - Dangerous Goods Licence
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 - Inactive, Floodwater-dominated
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Qtown Hill: Landslide Areas - Alluvial Fan High Hazard Investigation, Flooding, Seismic Hazards - Faults



- Legend**
- Dangerous Goods License
 - LPG CYLINDER
 - ★ POTENTIALLY CONTAMINATED SITE
- Flood Return period**
- 150 Year
 - 100 Year
 - 75 Year
 - 50 Year
- Faults**
- Active
 - Inactive
- Potentially Contaminated Sites**
- X Contaminated Sites
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 - / Managed / Remediated
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 - / Landfill
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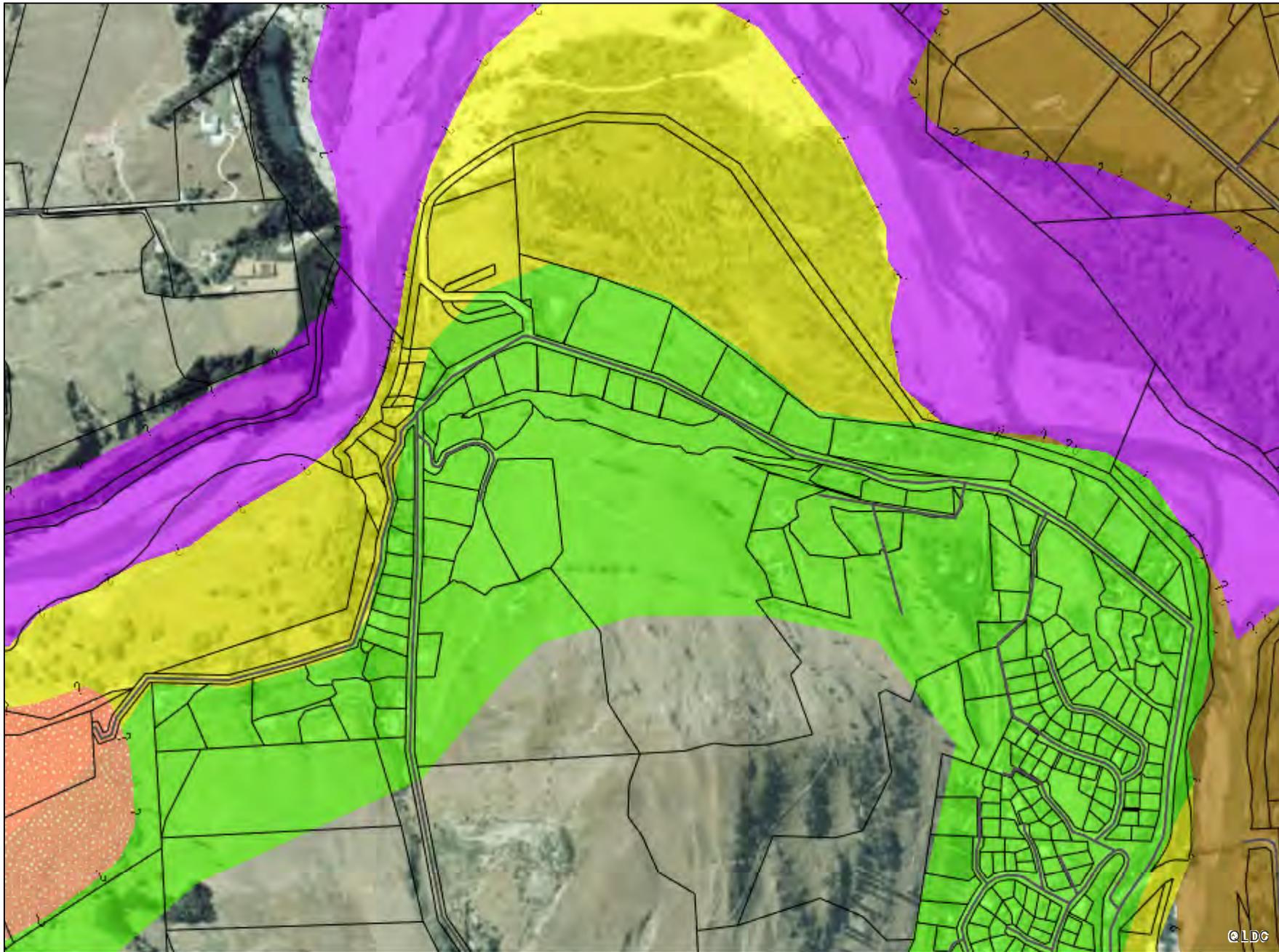
Scale @A4 paper size - 1:24,122



Map produced by Queenstown Lakes District Council's Dekho GIS viewer

Map date:
16/05/2017

Tucker Beach: Alluvial Fan ORC & Regional Scale, Liquefaction Risk



- Legend**
- Dangerous Goods License**
 - LPG CYLINDER
 - POTENTIALLY CONTAMINATED SITE
 - Flood Return period**
 - 150 Year
 - 100 Year
 - 75 Year
 - 50 Year
 - Faults**
 - Active
 - Inactive
 - Potentially Contaminated Sites**
 - Contaminated Sites
 - Potentially Contaminated Sites
 - Managed / Remediated
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Scale @A4 paper size - 1:12,061



Map produced by Queenstown Lakes District Council's Dekho GIS viewer

Map date:
16/05/2017

QLDC

Tucker Beach: Landslide Areas - Alluvial Fan High Hazard Investigation, Flooding, Seismic Hazards - **93** Faults

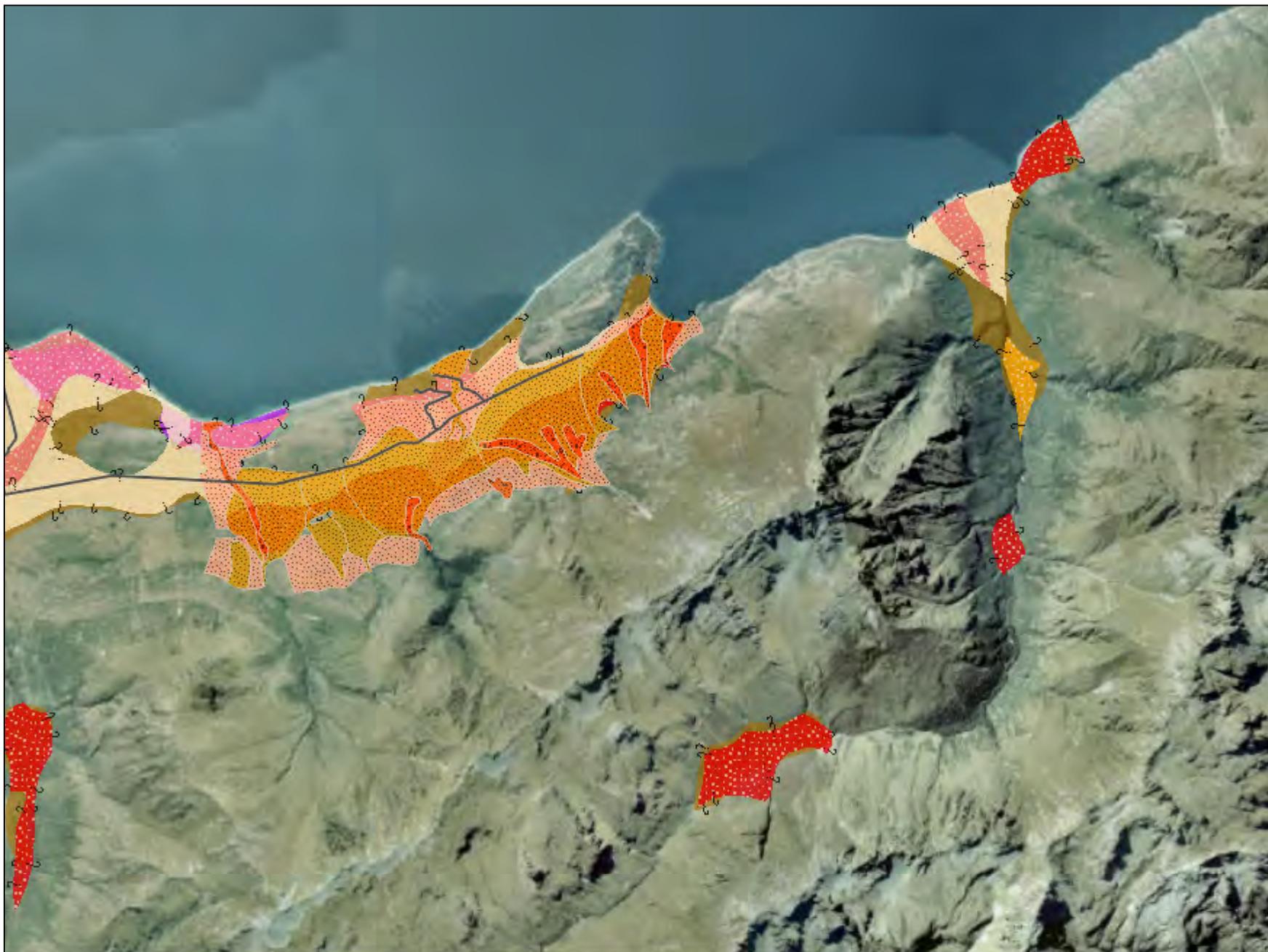


- Legend**
- Dangerous Goods License**
 - LPG CYLINDER
 - POTENTIALLY CONTAMINATED SITE
 - Flood Return period**
 - 150 Year
 - 100 Year
 - 75 Year
 - 50 Year
 - Faults**
 - Active
 - Inactive
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 - Contaminated Sites
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 - Managed / Remediated
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 - Landslide Areas**
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Walter Peak: Alluvial Fan ORC & Regional Scale, Liquefaction Risk

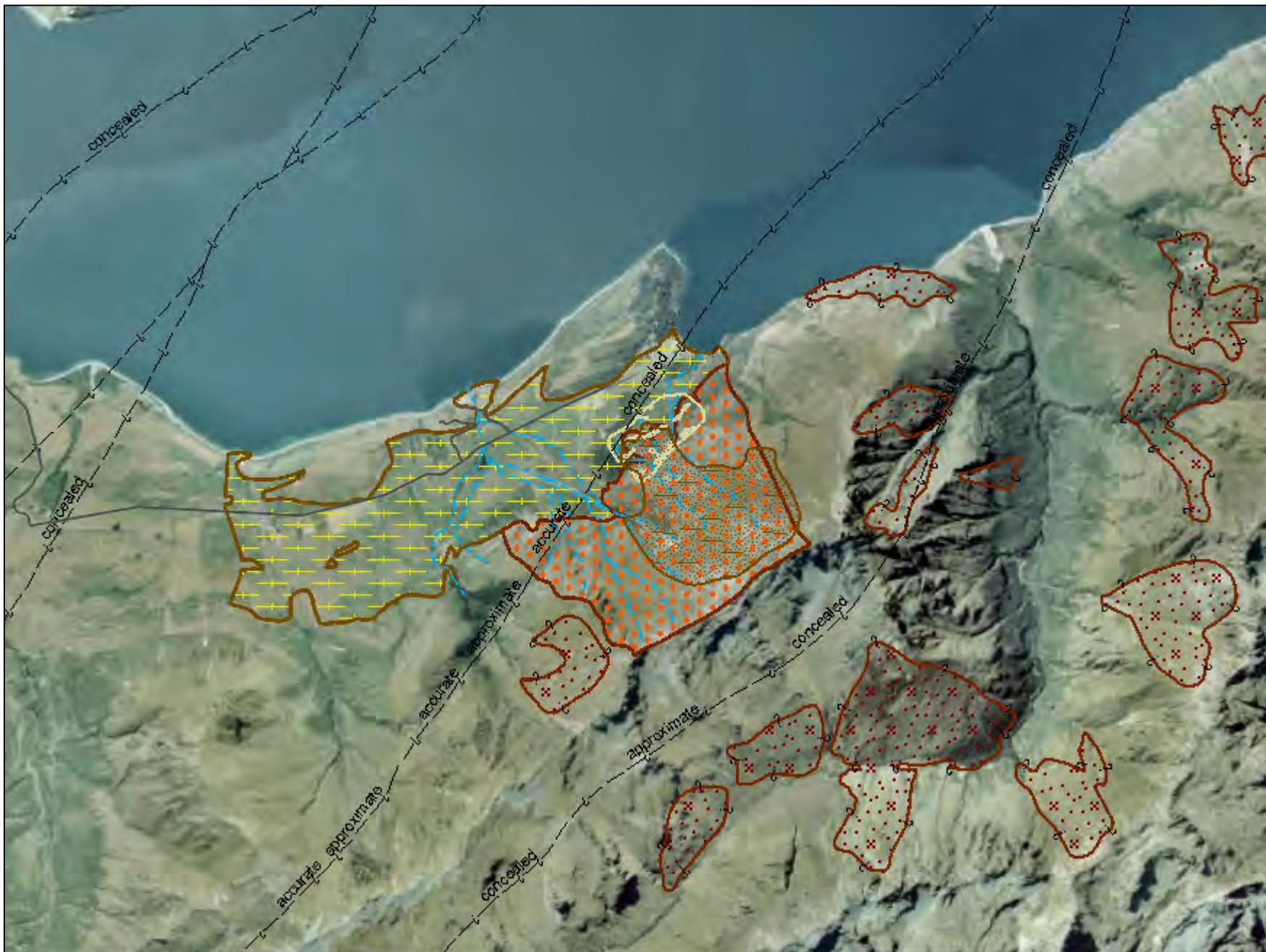


- Legend**
- Dangerous Goods License**
 - LPG CYLINDER
 - POTENTIALLY CONTAMINATED SITE
 - Flood Return period**
 - 150 Year
 - 100 Year
 - 75 Year
 - 50 Year
 - Faults**
 - Active
 - Inactive
 - Potentially Contaminated Sites**
 - Contaminated Sites
 - Potentially Contaminated Sites
 - Managed / Remediated
 - Dangerous Goods Licence
 - Landfill
 - Landslide Areas**
 - Active Pre-existing Schist Debris Landslides
 - Pre-existing Schist Debris Landslides
 - Dormant Pre-existing Schist Debris Landslides
 - Slope Failure Hazard in Superficial Deposits
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 - Rockfall
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 - Flooding - damburst
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 - Liquefaction Risk**
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 - Avalanche Areas**
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Walter Peak: Landslide Areas - Alluvial Fan High Hazard Investigation, Flooding, Seismic Hazards - Faults



- Legend**
- Dangerous Goods License
 - LPG CYLINDER
 - ★ POTENTIALLY CONTAMINATED SITE
- Flood Return period**
- 150 Year
 - 100 Year
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 - 50 Year
- Faults**
- Active
 - Inactive
- Potentially Contaminated Sites**
- X Contaminated Sites
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Wilson Bay: Alluvial Fan ORC & Regional Scale, Liquefaction Risk



- Legend**
- Dangerous Goods License**
 - LPG CYLINDER
 - POTENTIALLY CONTAMINATED SITE
 - Flood Return period**
 - 150 Year
 - 100 Year
 - 75 Year
 - 50 Year
 - Faults**
 - Active
 - Inactive
 - Potentially Contaminated Sites**
 - Contaminated Sites
 - Potentially Contaminated Sites
 - Managed / Re mediated
 - Dangerous Goods Licence
 - Landfill
 - Landslide Areas**
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Wilson Bay: Landslide Areas - Alluvial Fan High Hazard Investigation, Flooding, Seismic Hazards - Faults



Legend

- Dangerous Goods License**
 - LPG CYLINDER
 - POTENTIALLY CONTAMINATED SITE
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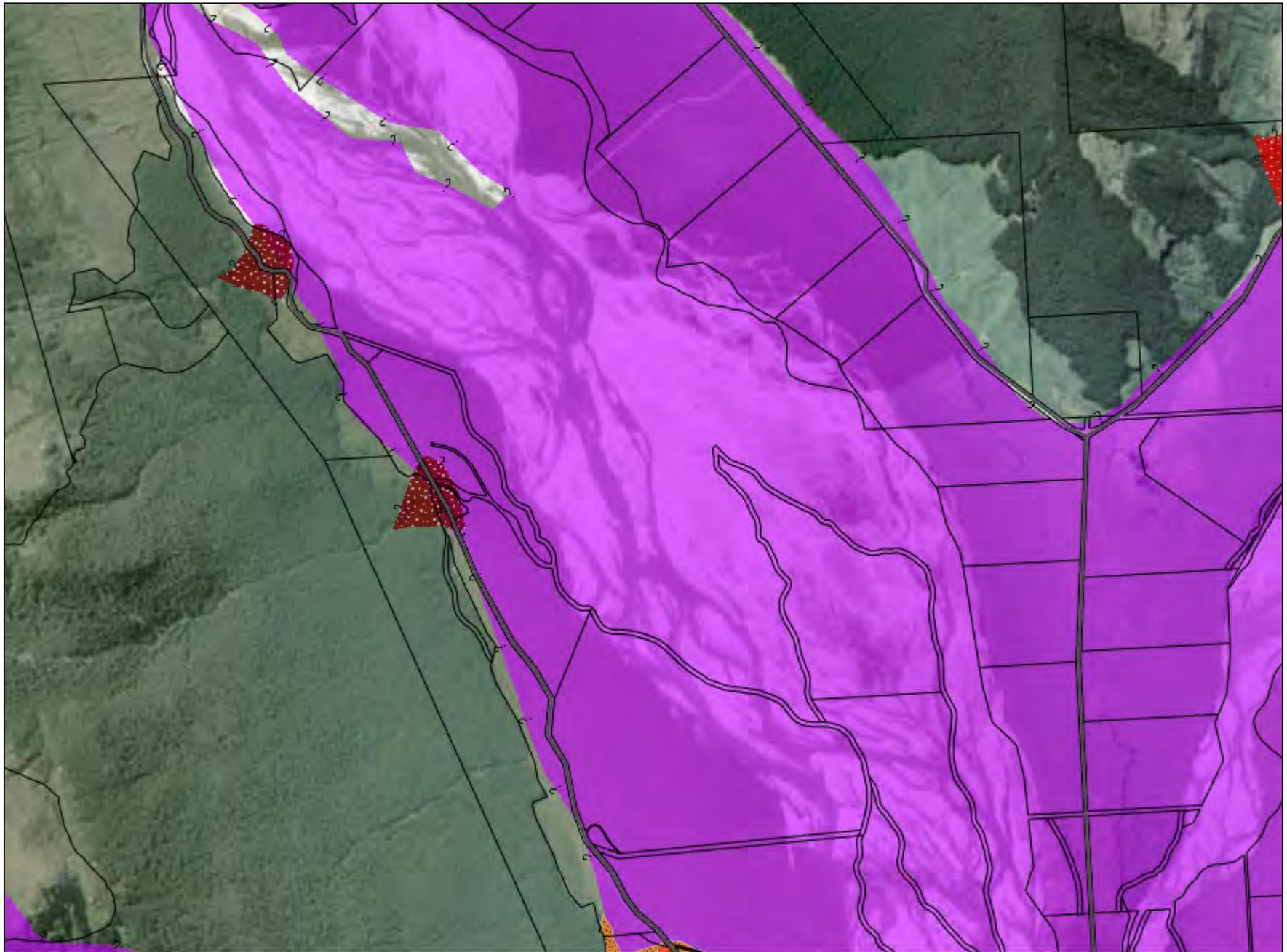
Scale @A4 paper size - 1:25,721



Map produced by Queenstown Lakes District Council's Dekho GIS viewer

Map date:
16/05/2017

Woodbrine Nth: Alluvial Fan ORC & Regional Scale, Liquefaction Risk

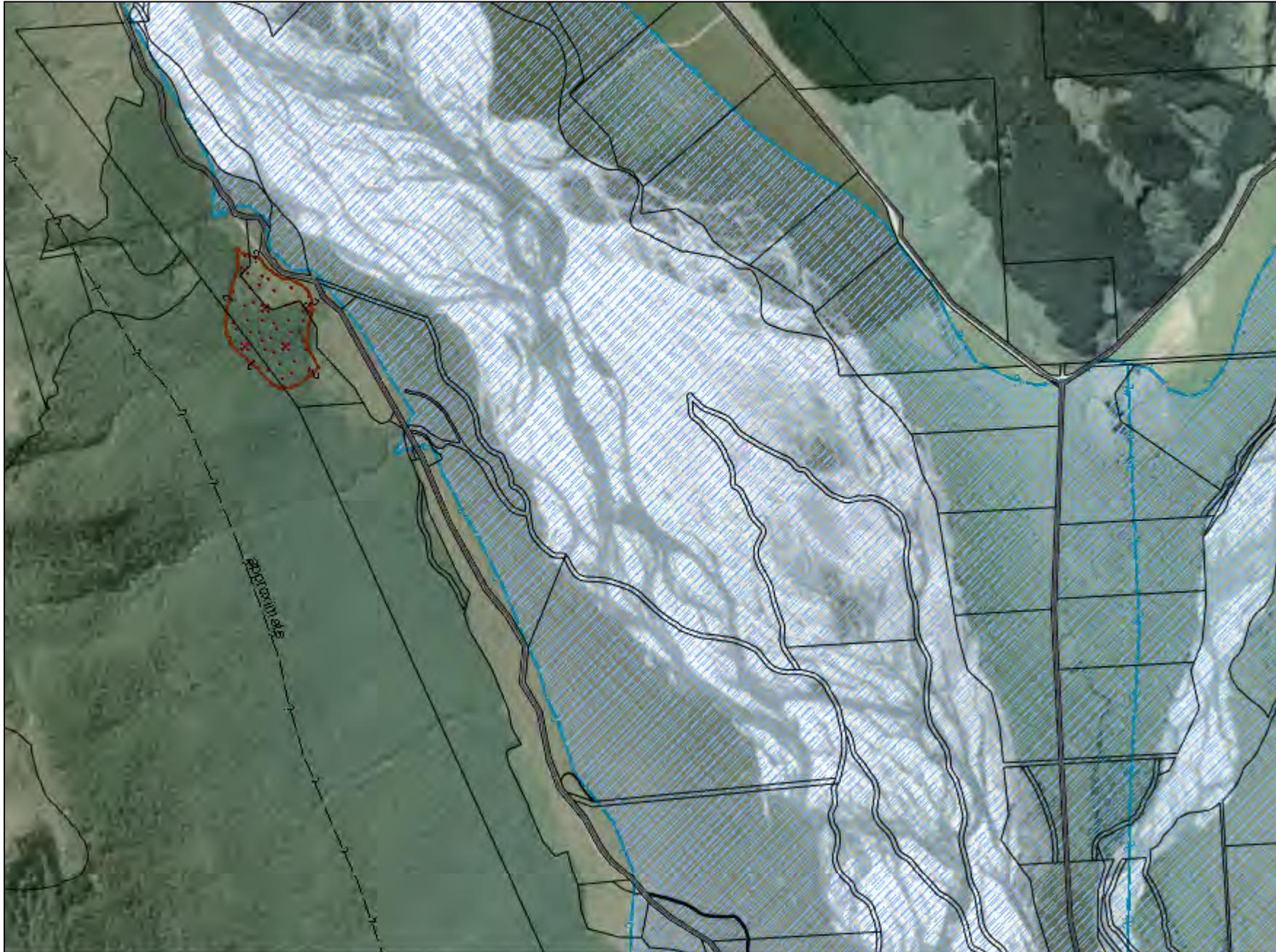


- Legend**
- Dangerous Goods License**
 - LPG CYLINDER
 - POTENTIALLY CONTAMINATED SITE
 - Flood Return period**
 - 150 Year
 - 100 Year
 - 75 Year
 - 50 Year
 - Faults**
 - Active
 - Inactive
 - Potentially Contaminated Sites**
 - Contaminated Sites
 - Potentially Contaminated Sites
 - Managed / Remediated
 - Dangerous Goods Licence
 - Landfill
 - Landslide Areas**
 - Active Pre-existing Schist Debris Landslides
 - Pre-existing Schist Debris Landslides
 - Dormant Pre-existing Schist Debris Landslides
 - Slope Failure Hazard in Superficial Deposits
 - Shallow Slips and Debris Flows in Colluvium
 - Debris Flow Hazards
 - Rockfall
 - Landslide Areas (Outside priority areas)
 - Flooding - rainfall
 - Flooding - damburst
 - Erosion Areas
 - Alluvial Fan High Hazard - Channels
 - Alluvial Fan High Hazard - Incision Line
 - Alluvial Fan High Hazard - Catchment Areas
 - Alluvial Fan High Hazard - Hazard Area
 - Alluvial Fan High Hazard - Source Area
 - Alluvial Fan - ORC**
 - fna - fan active bed
 - fra - fan recently active
 - fla - fan less recently active
 - Alluvial Fans Regional scale**
 - Active, Composite
 - Active, Debris-dominated
 - Active, Floodwater-dominated
 - Inactive, Composite
 - Inactive, Debris-dominated
 - Inactive, Floodwater-dominated
 - Liquefaction Risk**
 - LIC 1 - Nil to Low
 - LIC 1 (P) - Probably Low
 - LIC 2 (P) - Possibly Moderate
 - LIC 3 (P) - Possibly High
 - Possibly Susceptible
 - Susceptible
 - Avalanche Areas**
 - Avalanche Areas
- Lines and areas with approximate locations are shown with '-?-'



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Woodbrine Nth: Landslide Areas - Alluvial Fan High Hazard Investigation, Flooding, Seismic Hazards 93 Faults

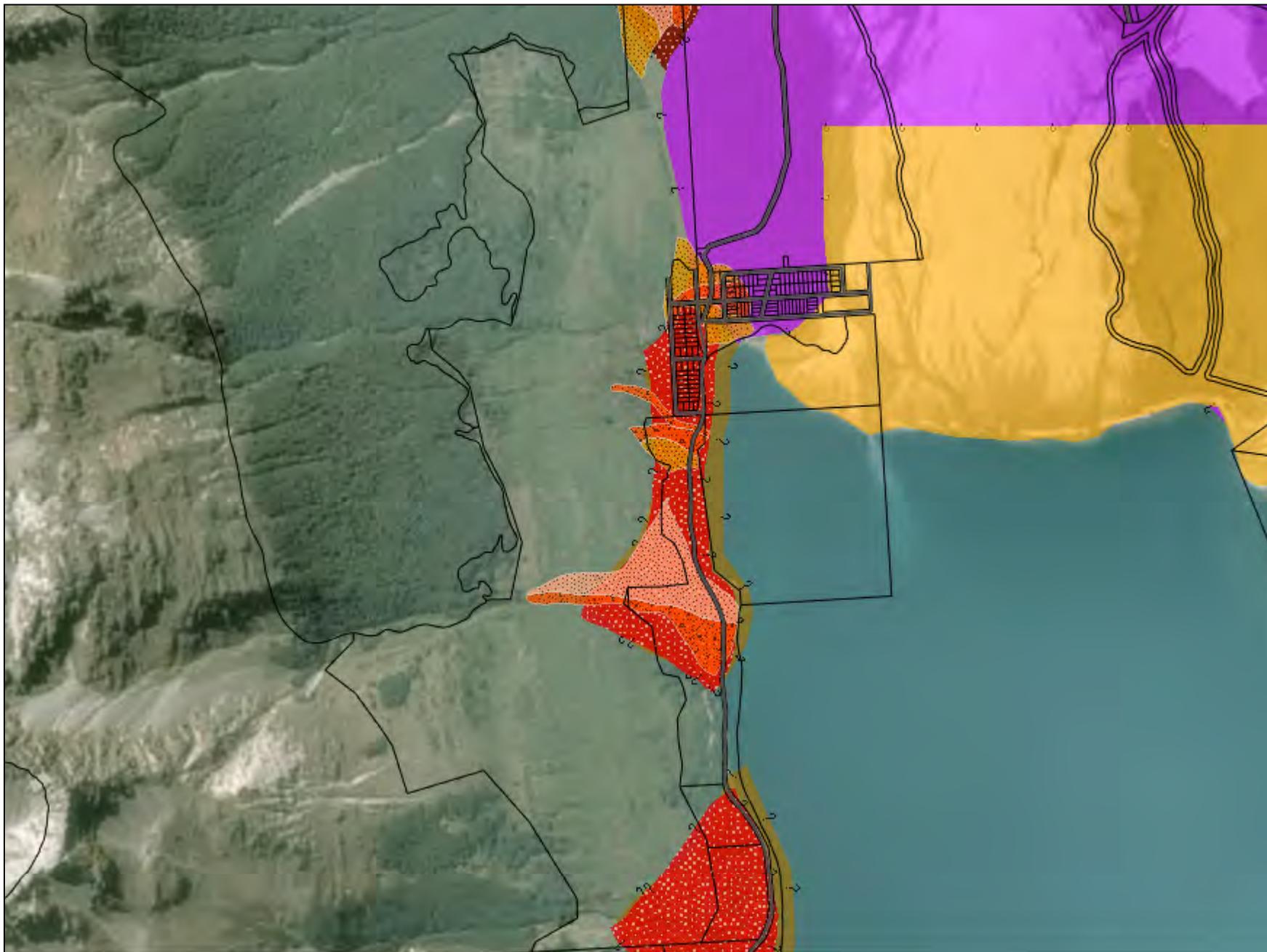


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Woodbrine Sth: Alluvial Fan ORC & Regional Scale, Liquefaction Risk



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Woodbrine Sth: Landslide Areas - Alluvial Fan High Hazard Investigation, Flooding, Seismic Hazards - **93** Faults



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