

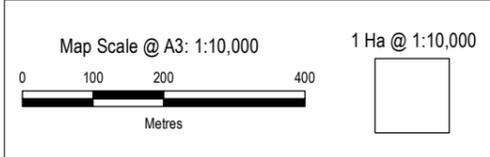
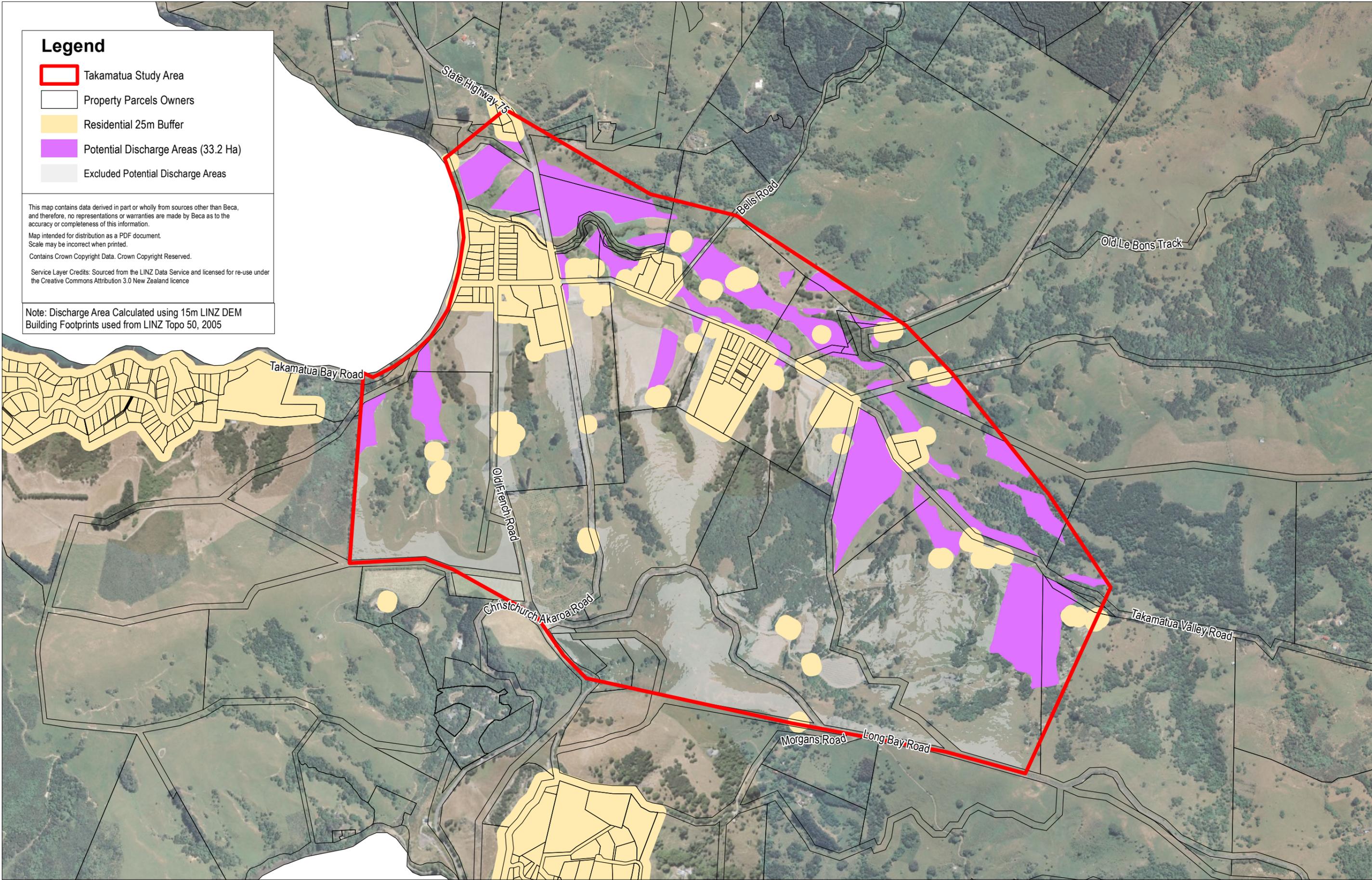
File: \\Beca.net\projects\6517986\GIS\01\_Map\6517986-20-12\_AkaroaNewWWTP\_Takamatua\_Kline.mxd Author: Date: 17/02/2017  
 GIS@beca.com

**Legend**

- Takamatua Study Area
- Property Parcels Owners
- Residential 25m Buffer
- Potential Discharge Areas (33.2 Ha)
- Excluded Potential Discharge Areas

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**Note:** Discharge Area Calculated using 15m LINZ DEM  
 Building Footprints used from LINZ Topo 50, 2005



Revision	Author	Verified	Approved	Date	Title
4	SRH	JAF2	GO	17/02/2017	
3	SRH	DRAFT	DRAFT	21/07/2016	
2	SRH	DRAFT	DRAFT	19/07/2016	
1	SRH	DRAFT	DRAFT	12/07/2016	

**Takamatua Study Area**  
K-Line Spray Irrigation

Client: **Christchurch City Council**

Project: **Akaroa Wastewater Upgrade**



Discipline: **GIS**

Drawing No: **GIS-6517986-20-12**

### Legend

- Takamata Study Area
- Property Parcels Owners
- Residential 5m Buffer
- Potential Discharge Areas (51.1 Ha)
- Excluded Potential Discharge Areas

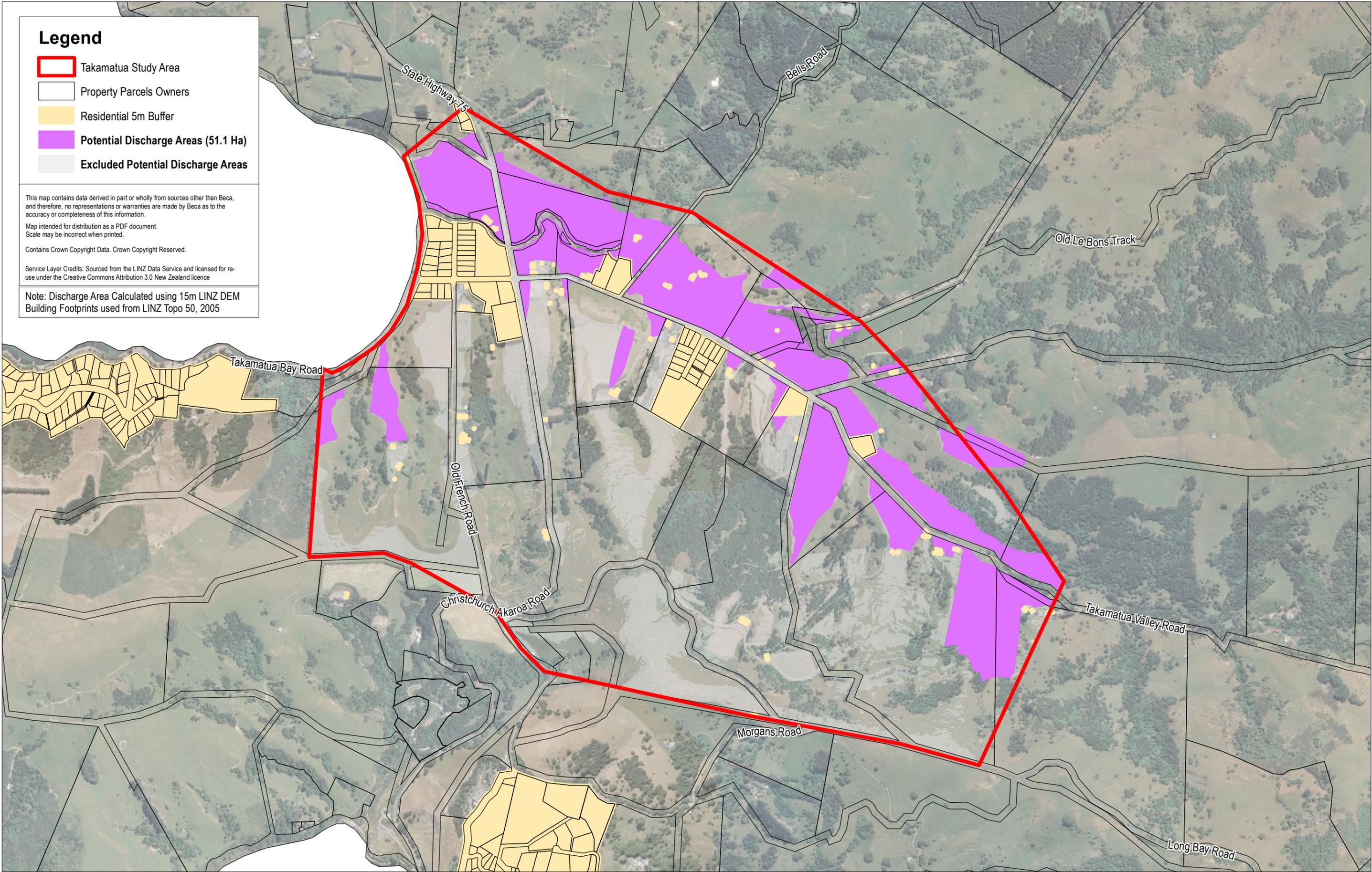
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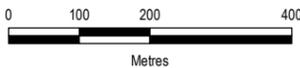
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Note: Discharge Area Calculated using 15m LINZ DEM  
Building Footprints used from LINZ Topo 50, 2005



Map Scale @ A3: 1:10,000

1 Ha @ 1:10,000



Revision	Author	Verified	Approved	Date
3	SRH	JAF2	GO	17/02/2017
3	SRH	DRAFT	DRAFT	21/07/2016
2	SRH	DRAFT	DRAFT	19/07/2016
1	SRH	DRAFT	DRAFT	12/07/2016

Title:

## Takamata Study Area

### Dripper Irrigation

Client: Christchurch City Council

Project: Akaroa Wastewater Upgrade



Discipline: GIS

Drawing No: GIS-6517986-20-13

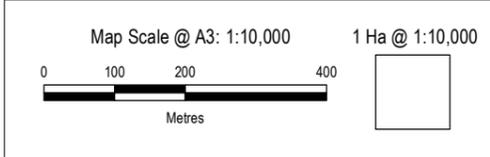
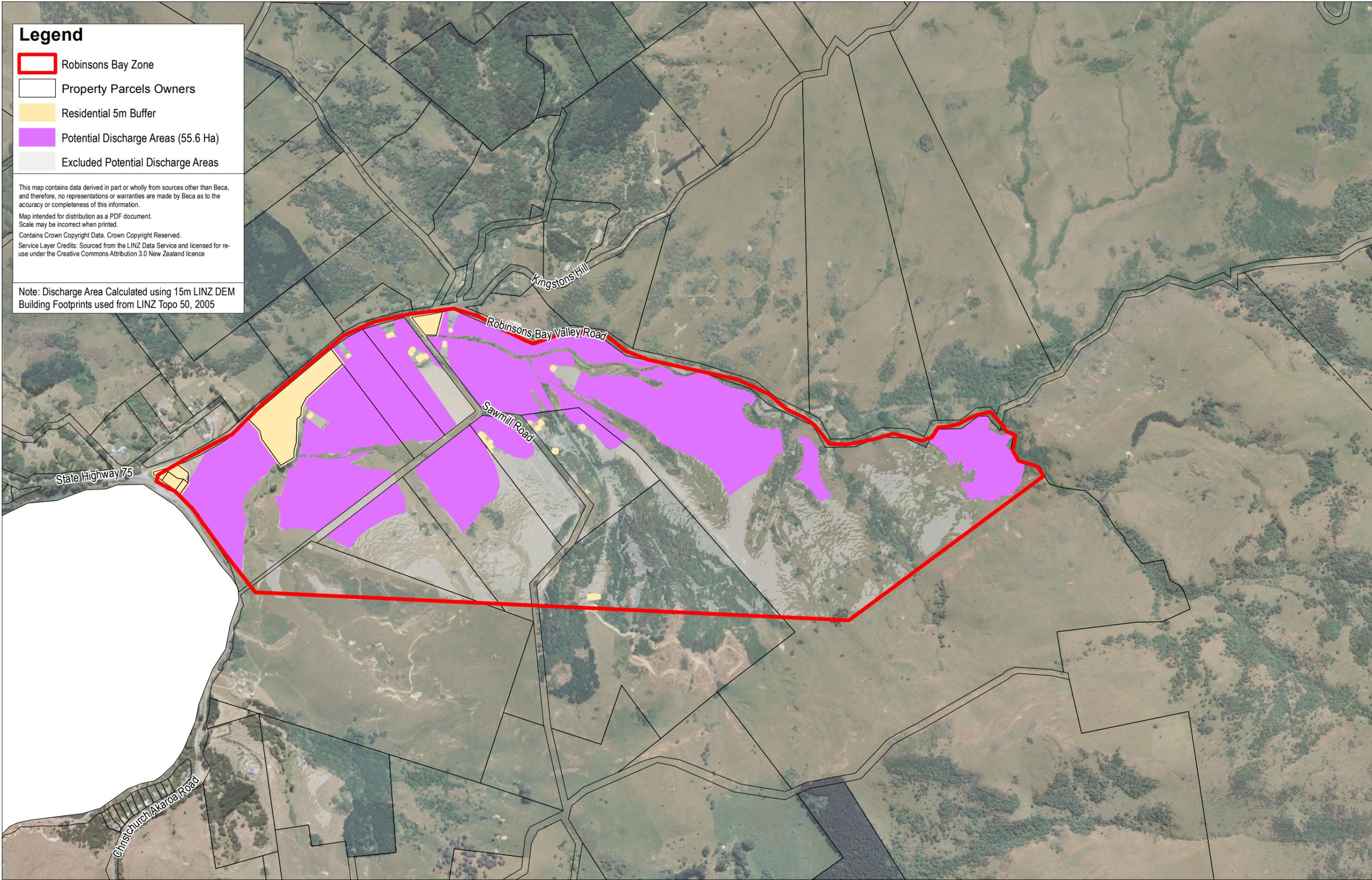
File: P:\6517986\GIS\Map6517986-20-14\_AkaroaNewWWTP\_Robinsonsbay\_DripperIrrigation.mxd Author: Date: 17/02/2017  
 GIS@beca.com

### Legend

- Robinsons Bay Zone
- Property Parcels Owners
- Residential 5m Buffer
- Potential Discharge Areas (55.6 Ha)
- Excluded Potential Discharge Areas

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 Building Footprints used from LINZ Topo 50, 2005



Revision	Author	Verified	Approved	Date	Title:
3	SRH	JAF2	GO	17/02/2017	<b>Robinsons Bay</b> <b>Dripper Irrigation</b>
3	SRH	DRAFT	DRAFT	21/07/2016	
2	SRH	DRAFT	DRAFT	19/07/2016	
1	SRH	DRAFT	DRAFT	12/07/2016	

**Robinsons Bay**  
**Dripper Irrigation**

Client: **Christchurch City Council**  
 Project: **Akaroa Wastewater Upgrade**



Discipline: **GIS**  
 Drawing No: **GIS-6517986-20-14**

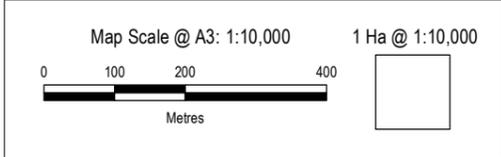
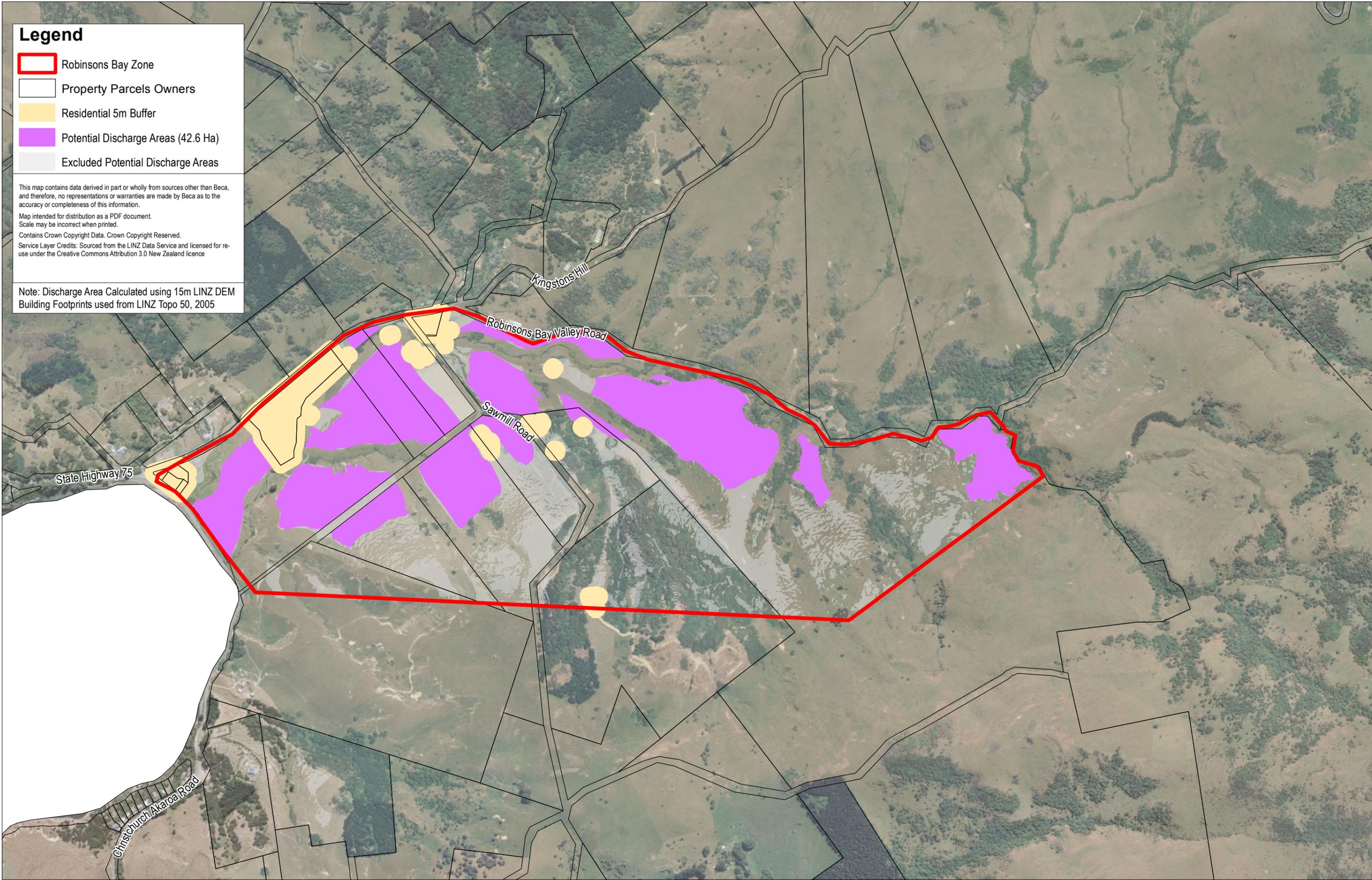
File: P:\6517986\GIS\Map6517986-20-15\_AkaroaNewWWTP\_Robinsonsbay\_Klineirrigation.mxd Author: Date: 17/02/2017  
 GIS@beca.com

### Legend

- Robinsons Bay Zone
- Property Parcels Owners
- Residential 5m Buffer
- Potential Discharge Areas (42.6 Ha)
- Excluded Potential Discharge Areas

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Revision	Author	Verified	Approved	Date	Title:
3	SRH	JAF2	GO	17/02/2017	<b>Robinsons Bay</b> K-Line Spray Irrigation
3	SRH	DRAFT	DRAFT	21/07/2016	
2	SRH	DRAFT	DRAFT	19/07/2016	
1	SRH	DRAFT	DRAFT	12/07/2016	

Client: **Christchurch City Council**  
 Project: **Akaroa Wastewater Upgrade**



Discipline: **GIS**  
 Drawing No: **GIS-6517986-20-15**

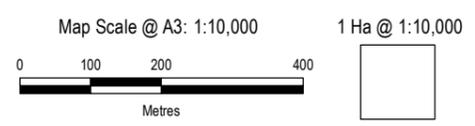
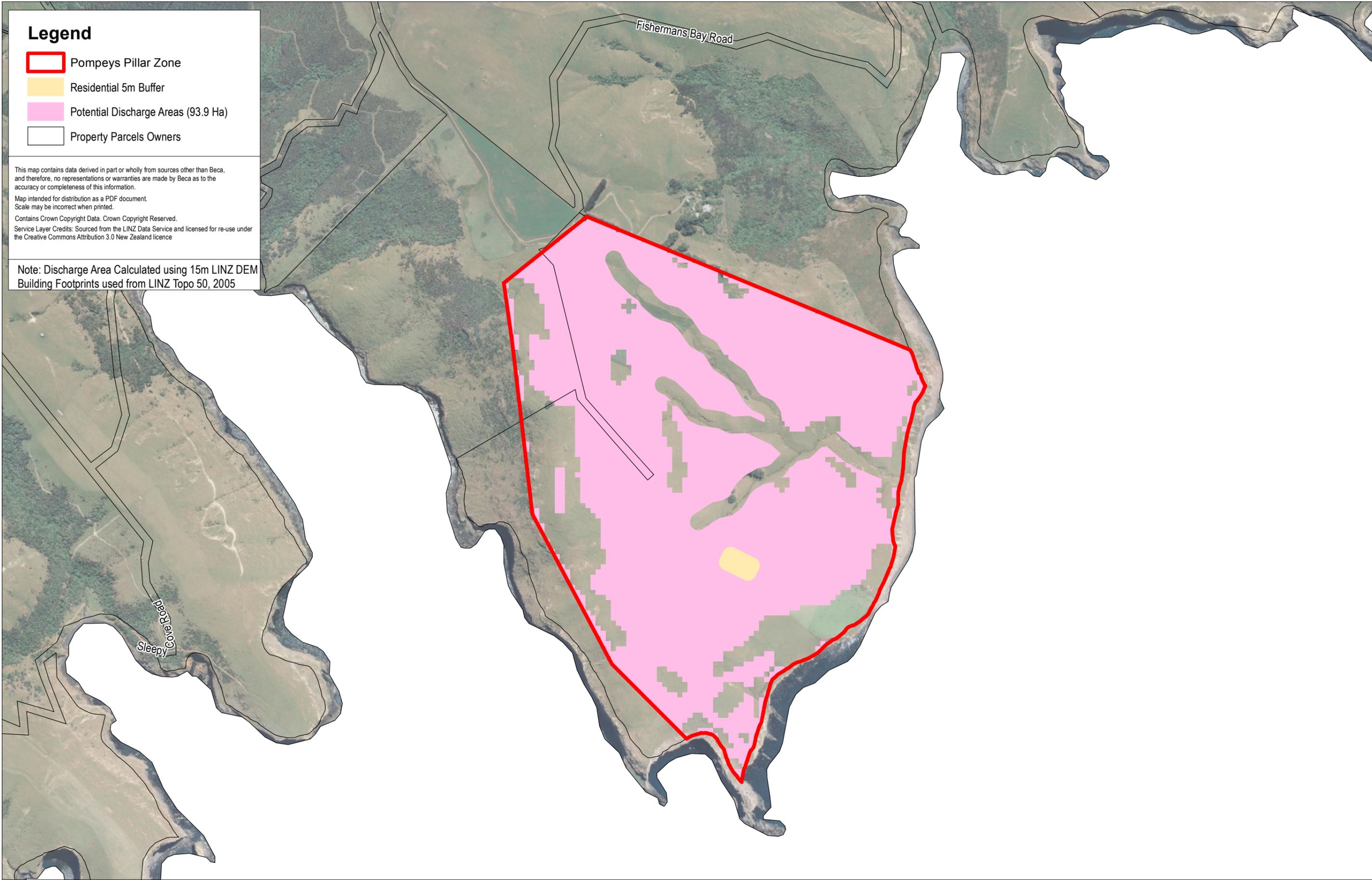
File: P:\6517986\GIS\Map6517986-20-16\_AkaroaNewWWTP\_PompeysPillar\_KlineIrrigation.mxd Author: Date: 17/02/2017

### Legend

- Pompeys Pillar Zone
- Residential 5m Buffer
- Potential Discharge Areas (93.9 Ha)
- Property Parcels Owners

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**Note: Discharge Area Calculated using 15m LINZ DEM  
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Revision	Author	Verified	Approved	Date	Title:
1	SRH	JAF2	GO	17/02/2017	Pompeys Pillar Study Area K-Line Spray Irrigation
1	SRH	DRAFT	DRAFT	21/07/2016	

**Client:** Christchurch City Council  
**Project:** Akaroa Wastewater Upgrade



**Discipline:** GIS  
**Drawing No:** GIS-6517986-20-16

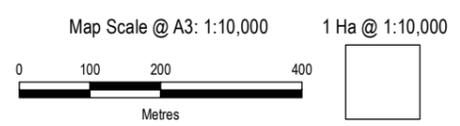
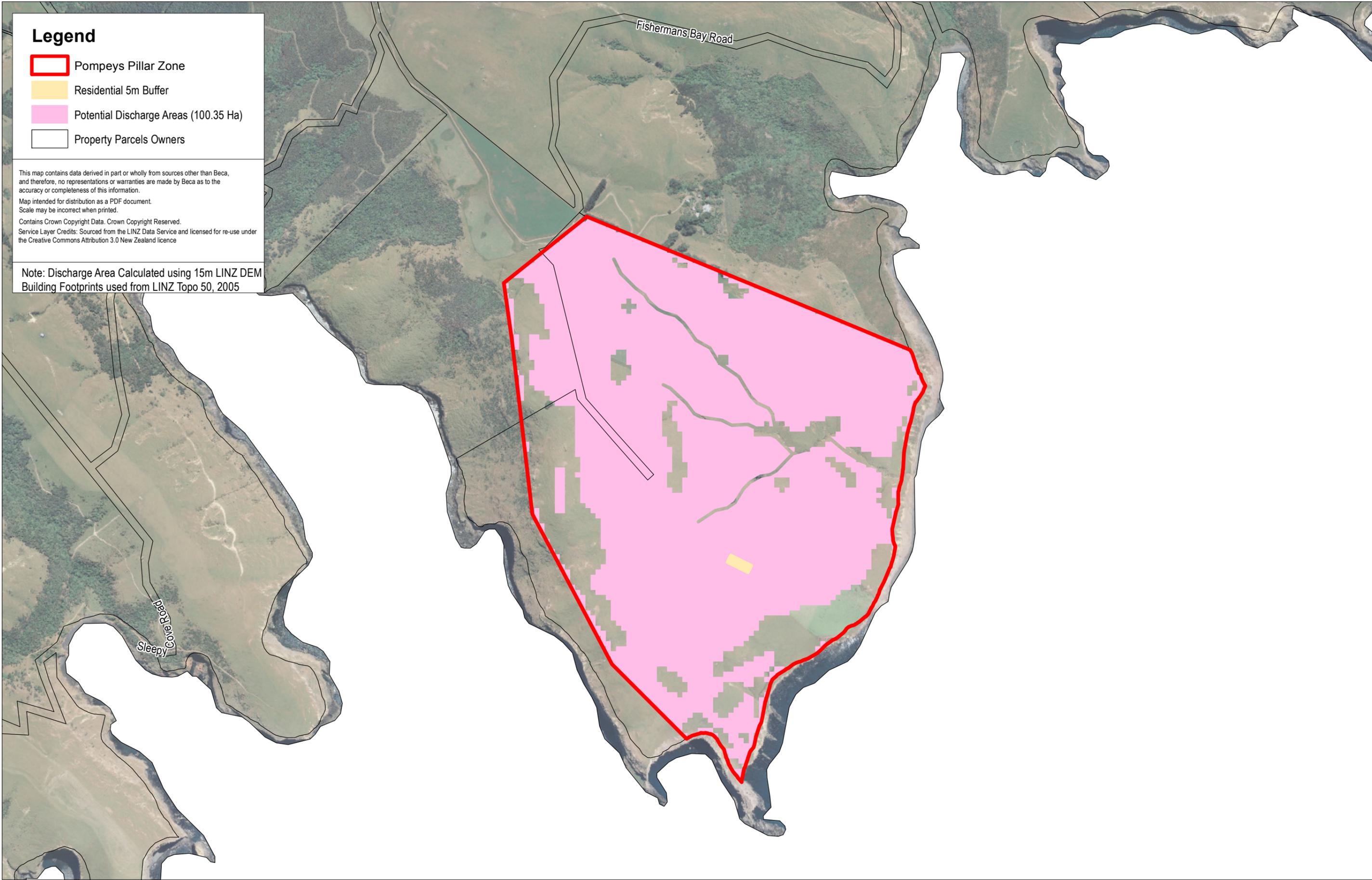
GIS@beca.com  
 File: P:\6517986\GIS\01\_Map\6517986-20-17\_AkaroaNewWWTP\_PompeysPillar\_DripperIrrigation.mxd Author: Date: 17/02/2017

### Legend

- Pompeys Pillar Zone
- Residential 5m Buffer
- Potential Discharge Areas (100.35 Ha)
- Property Parcels Owners

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Revision	Author	Verified	Approved	Date	Title:
2	SRH	JAF2	GO	17/02/2017	Pompeys Pillar Study Area Dripper Spray Irrigation
1	SRH	DRAFT	DRAFT	21/07/2016	

Client: **Christchurch City Council**

Project: **Akaroa Wastewater Upgrade**



Discipline: **GIS**

Drawing No: **GIS-6517986-20-17**