

What do you see?

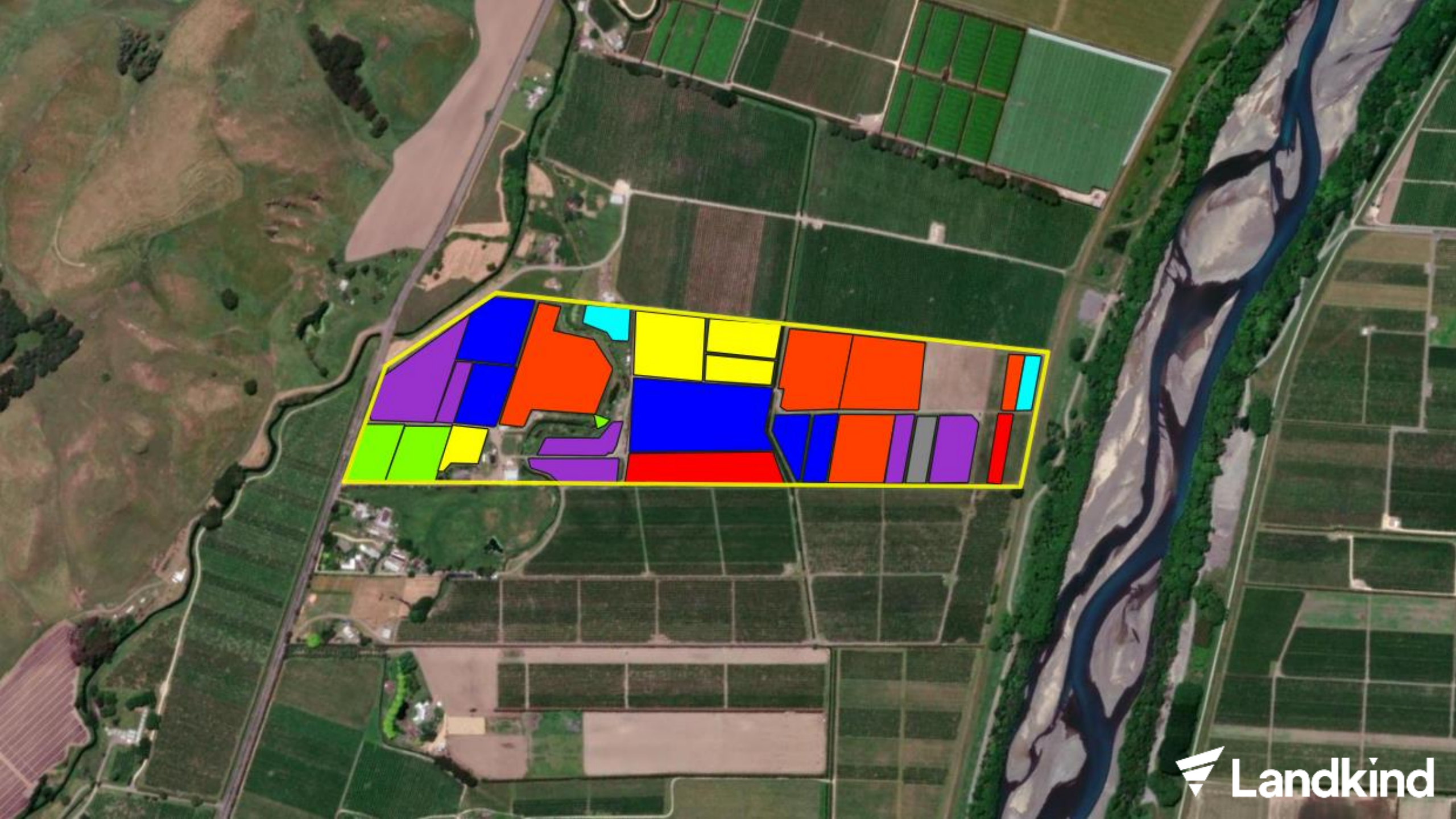
Exploring Digital Mapping and GIS

When you change the
way you look at things
the things you look at
change.

– Max Planck

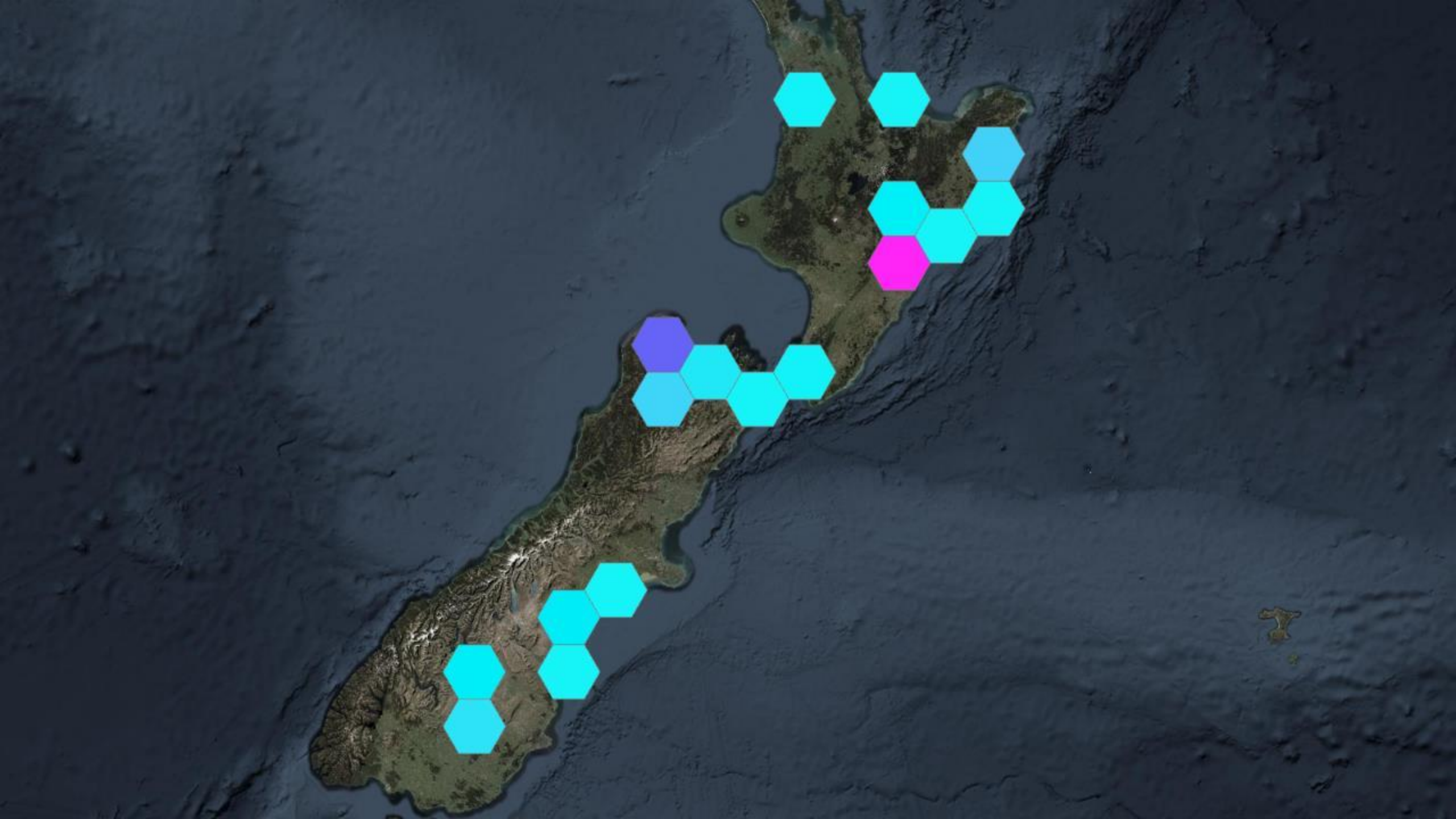
What industry
do you see?

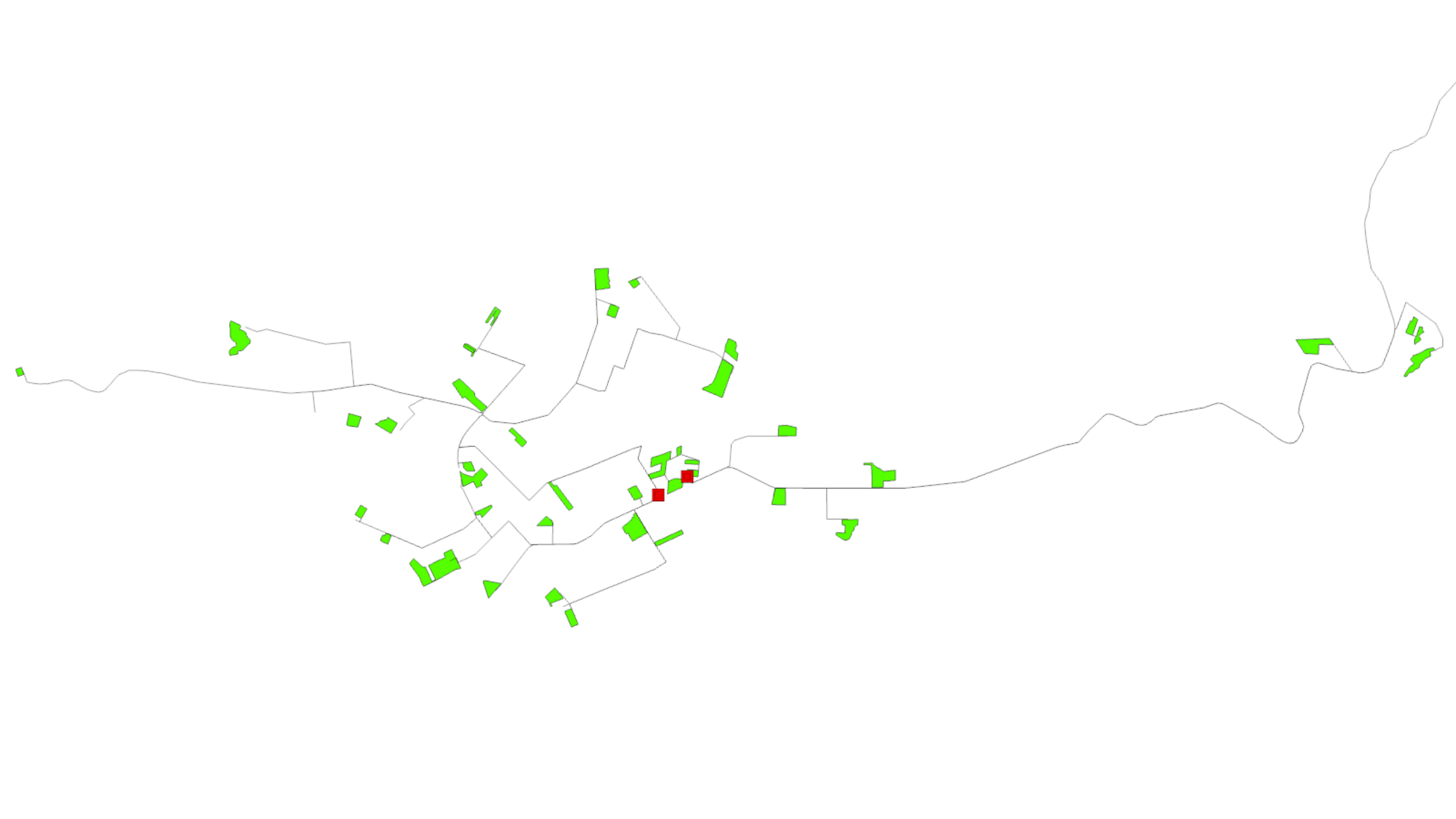




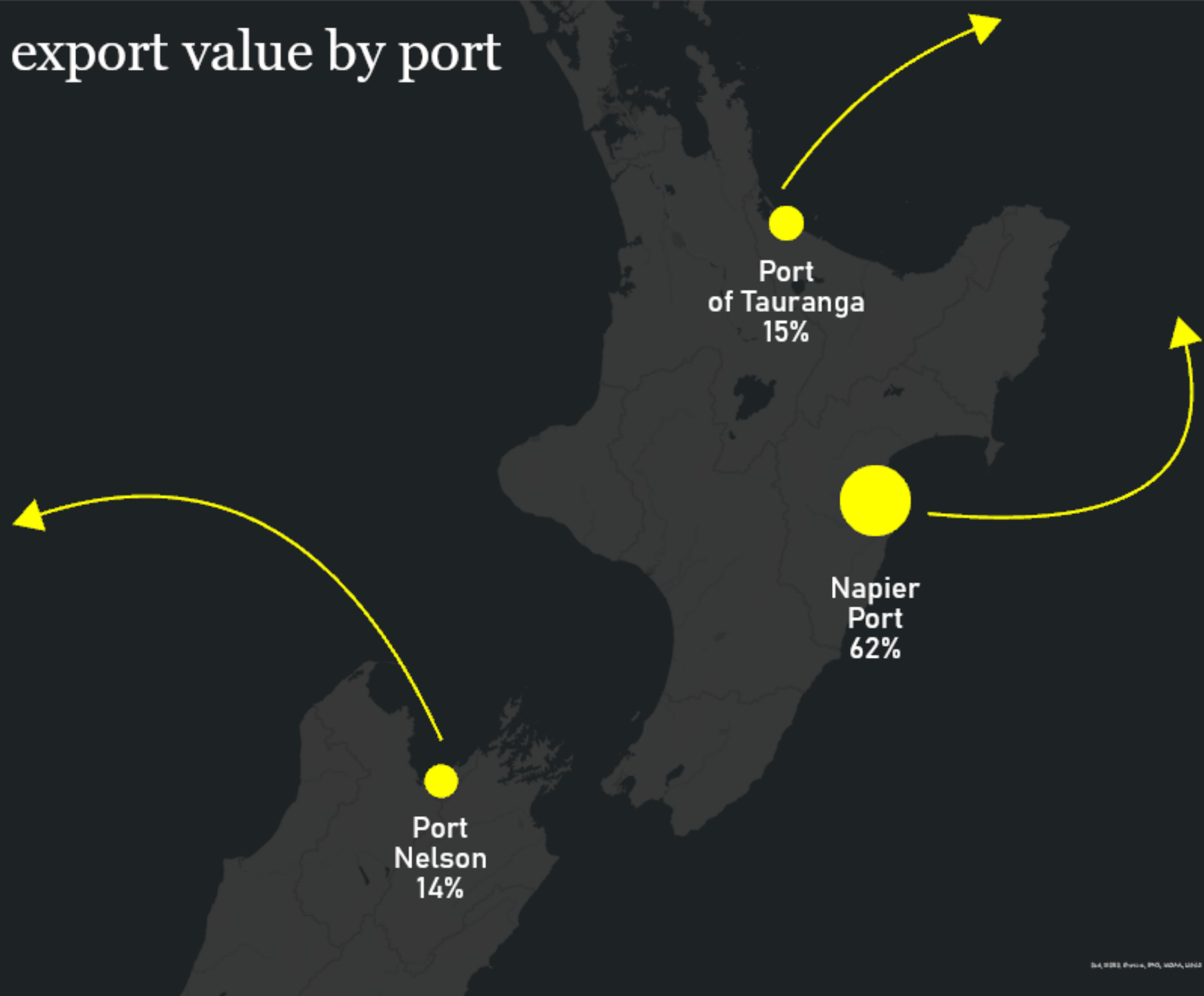


umoana





Apple export value by port

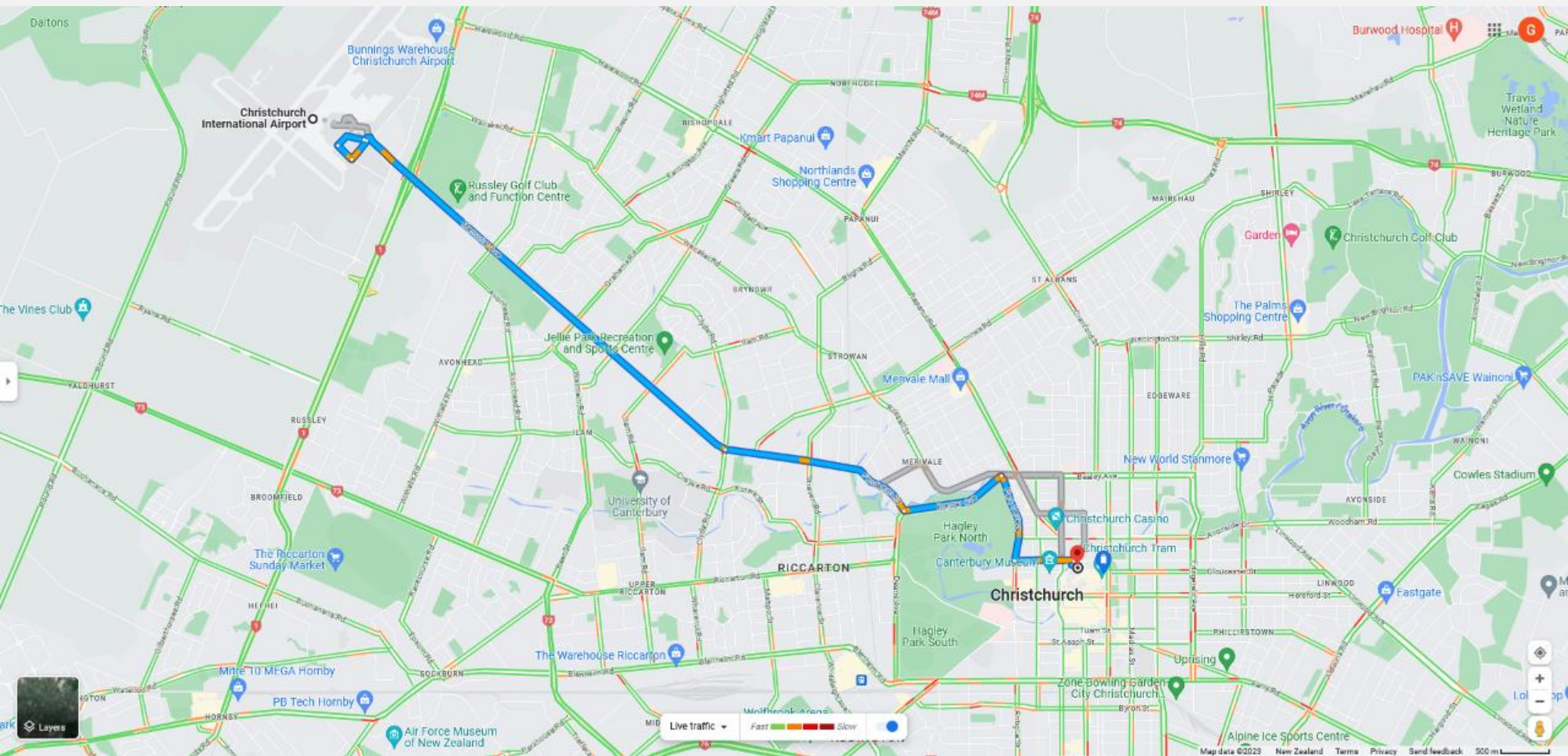


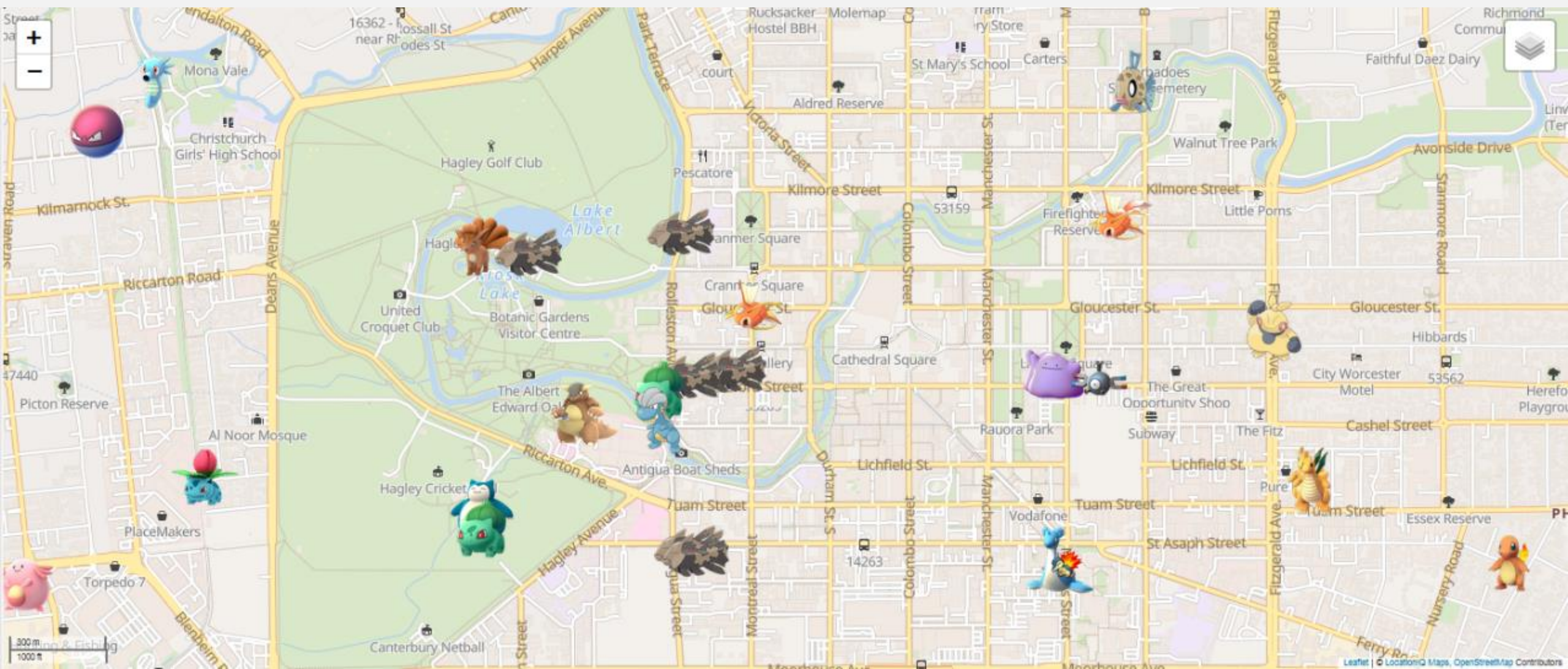


Value of apple exports by destination

Maps allow us to
understand things at a
different scale.

Digital Mapping and GIS







VICTORIA
Bulk Carrier

3700

PROJECT
1.021101

HOLLANDIA
General Cargo

BRIDGE
PLANNED

CMA CGM

DREDGE
PLANNED

Container: PKBU400148
Shipment: 962354649
Origin: Maersk Line
Time: 47:16:55
Destination: Odessa, UA

UNTRACKED
CONTAINER

PROJECT
1.0201054

STATUS OK

ETA 14:42

Container: YAKU0908852
Shipment: 762384641
Origin: MOL
Time: 11:56:28
Destination: Shanghai, CN

ETA 12:31

0.61 m/s

COLLISION
RISK

19,8m ↑

Container: HYDA02257814
Shipment: 142933420
Origin: Hyundai
Time: 148:22:39
Destination: Rotterdam, NL

INSPECTION

NETWORK OK

0.398 m/s

48m

1.28 km/m2

AVAILABLE

Port of
Rotterdam

Russian Field Fortifications



Ukrainian Village / Town / City Administrative Boundary



Russian-controlled before February 24, 2022



Assessed Russian Advance



Claimed Russian Control



Claimed Ukrainian Counteroffensives



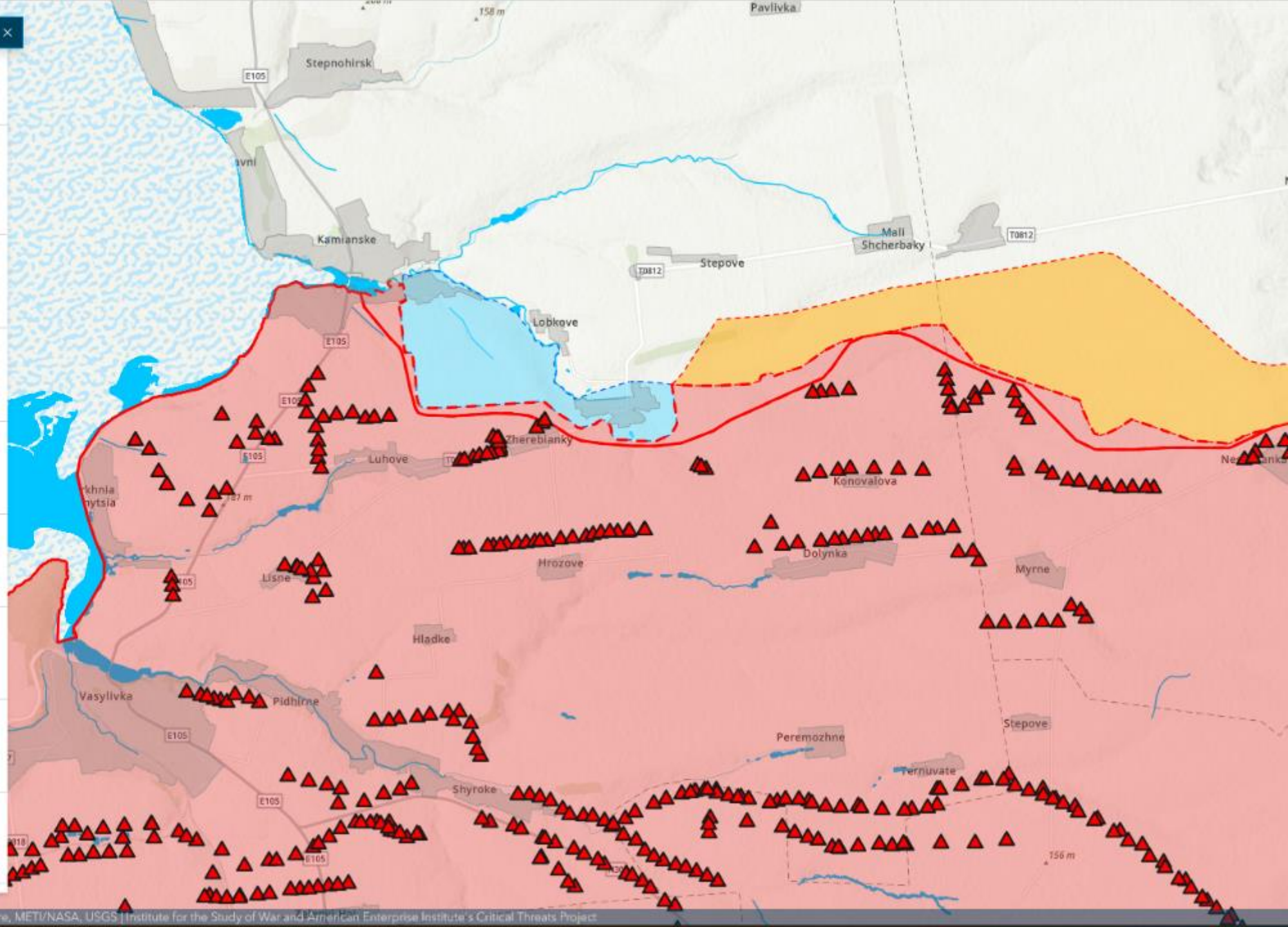
Reported Ukrainian Partisan Warfare



Assessed Russian Control



Emerging Land in the Kakhovka Reservoir



Geographic Information Systems (GIS)

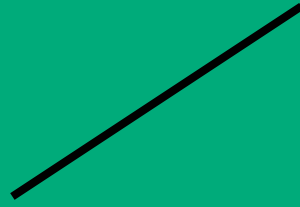
What is spatial information?

Do I have any?

Horticulture is inherently spatial



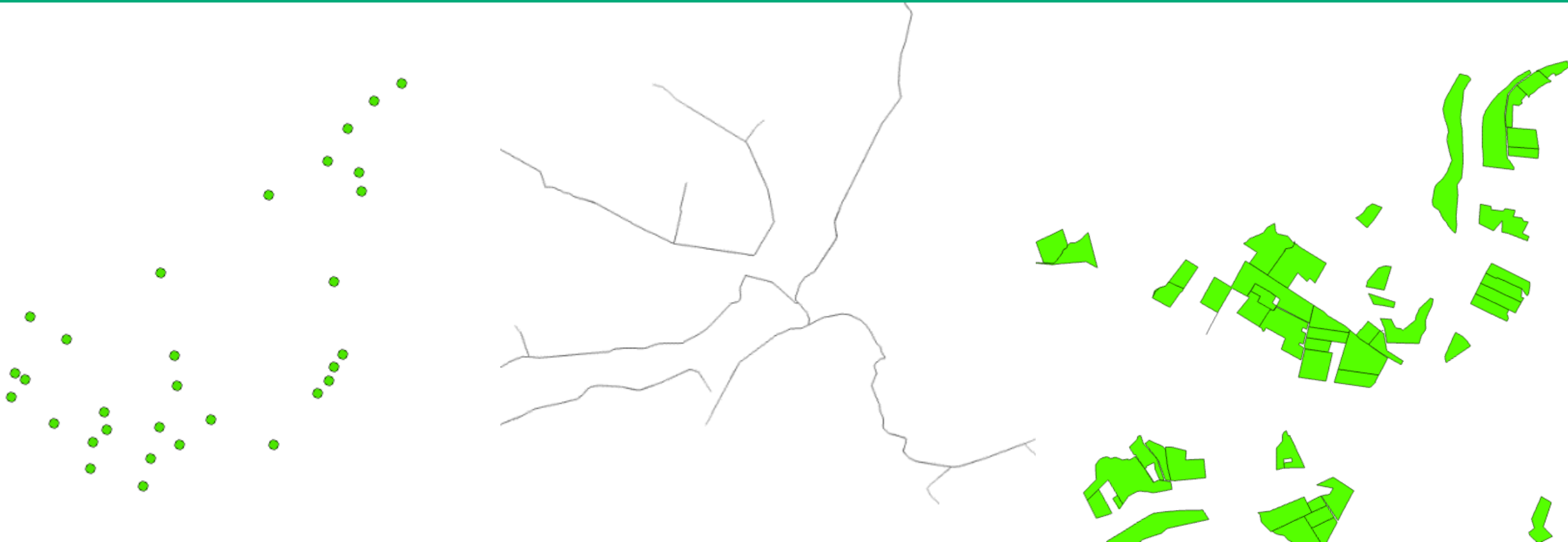
Points



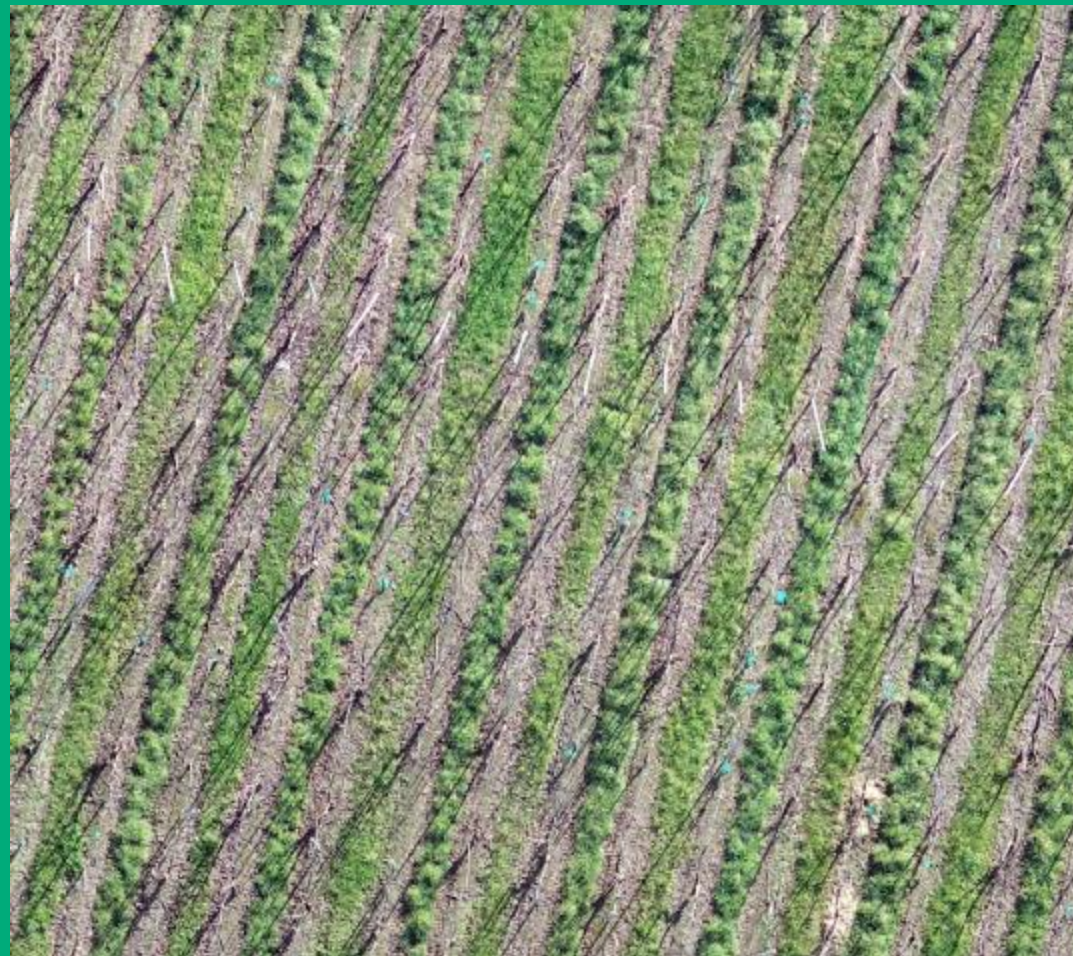
Lines

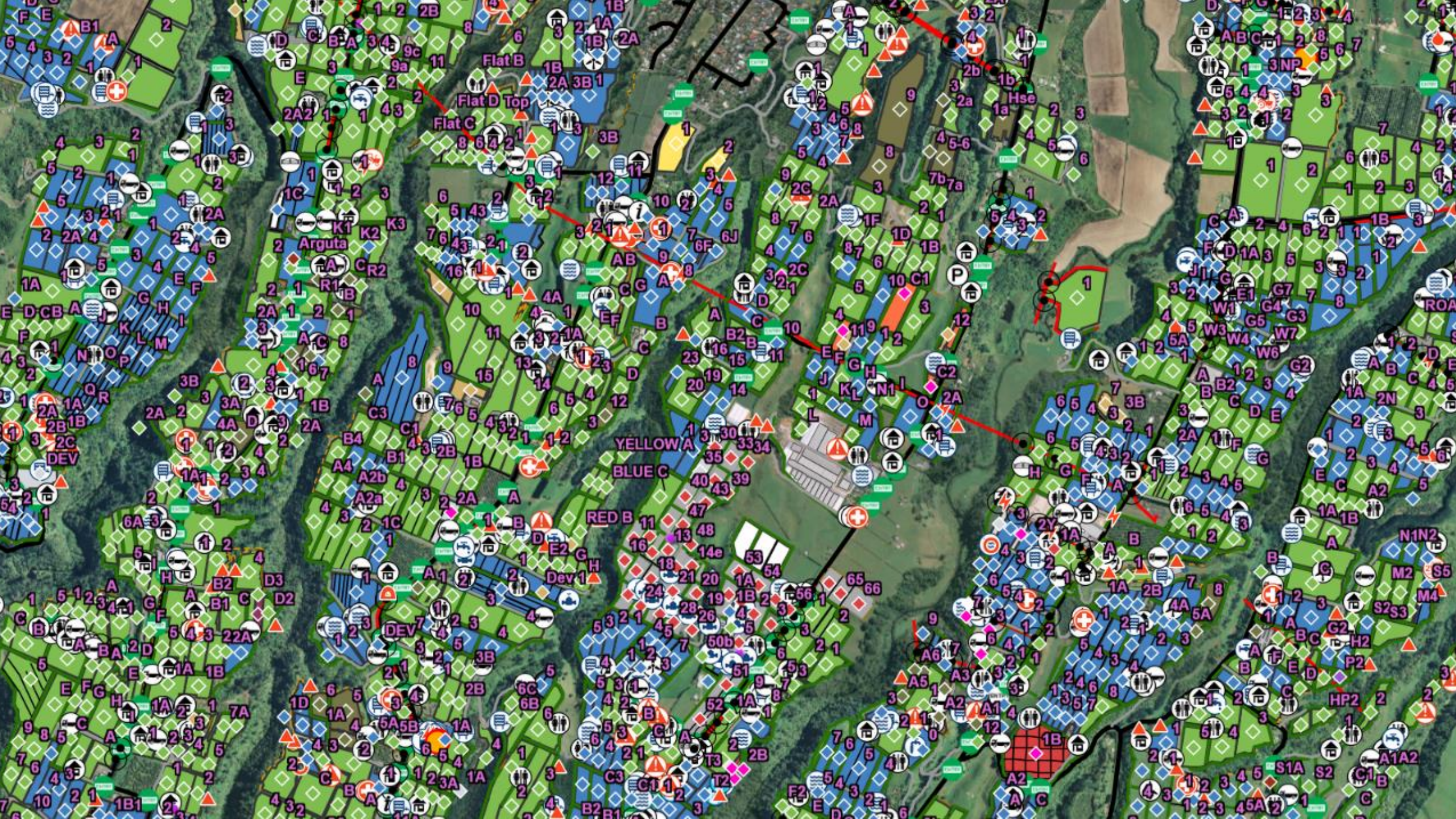


Polygons

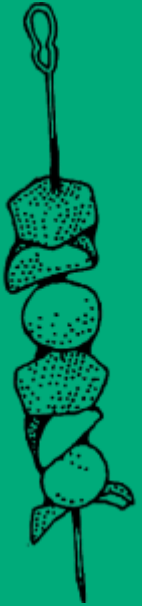


1	1	1	1	1
1	2	2	1	1
1	2	2	2	1
2	2	3	4	4
2	2	3	4	4





Points



skewer

Lines



slice

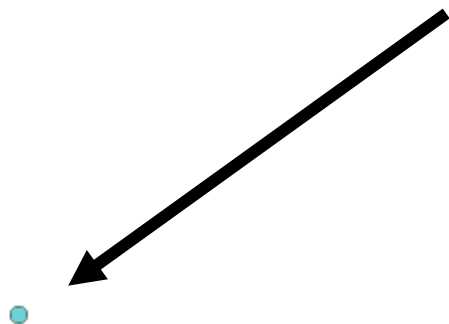
Polygons

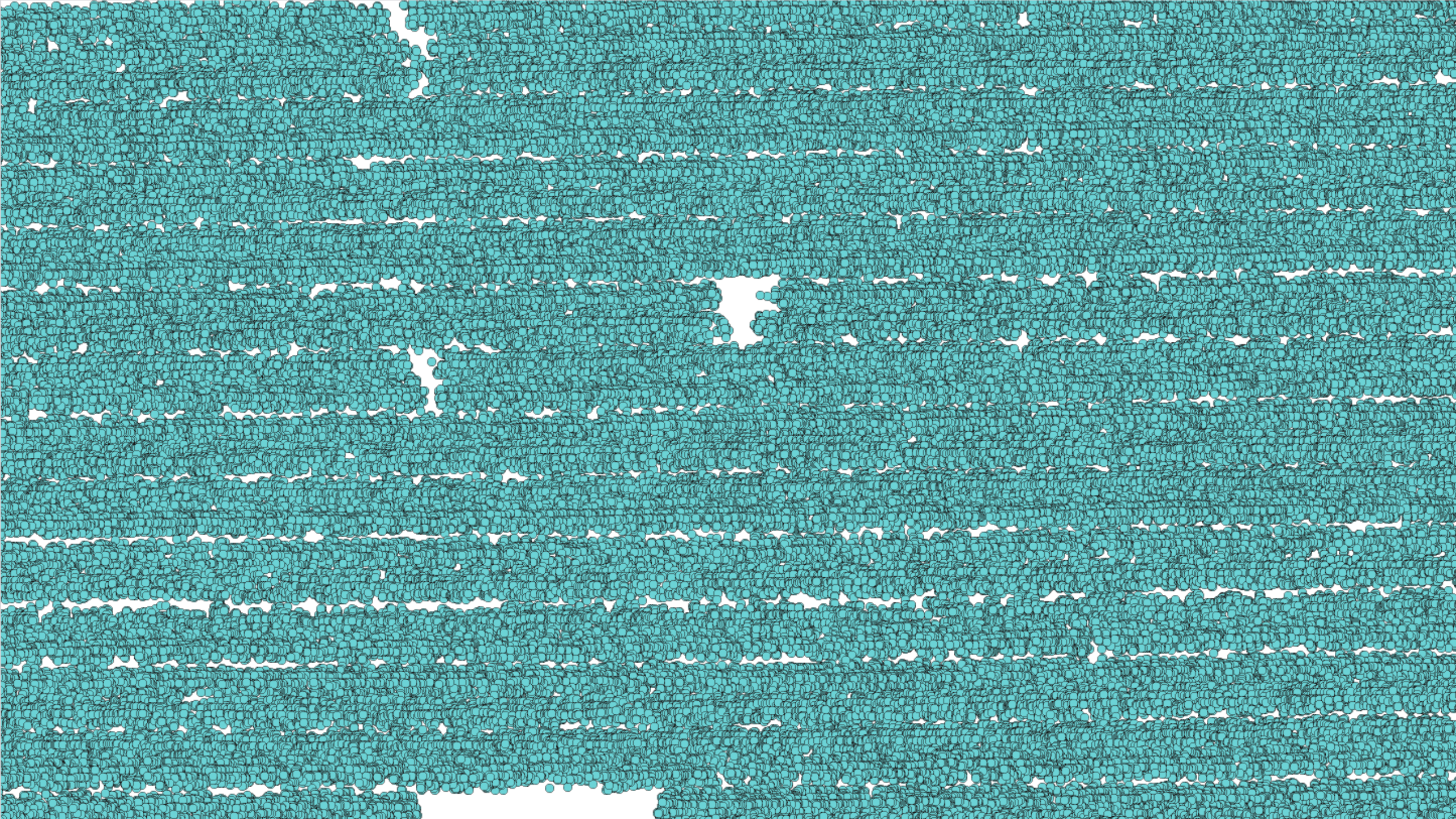


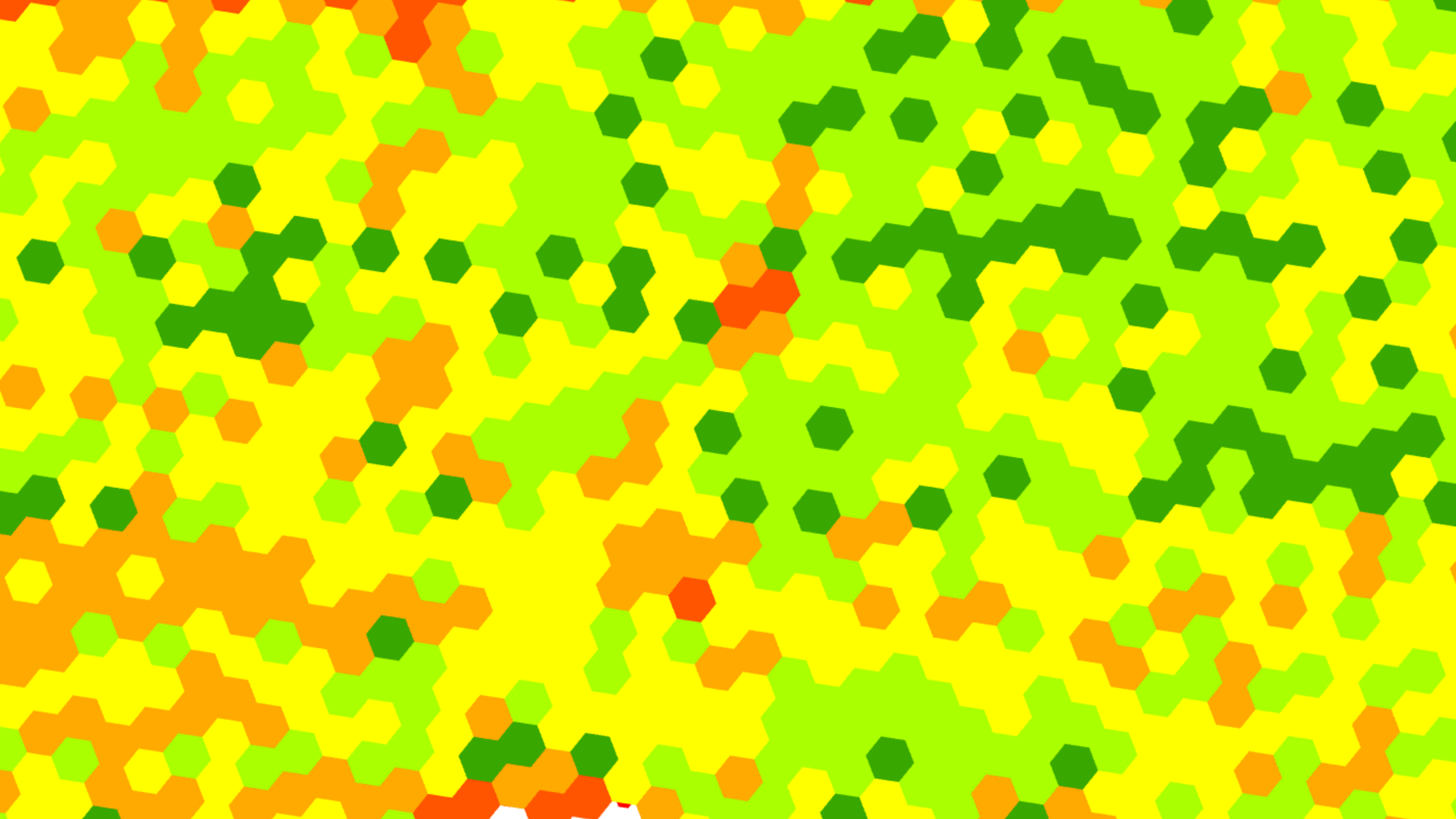
sheet

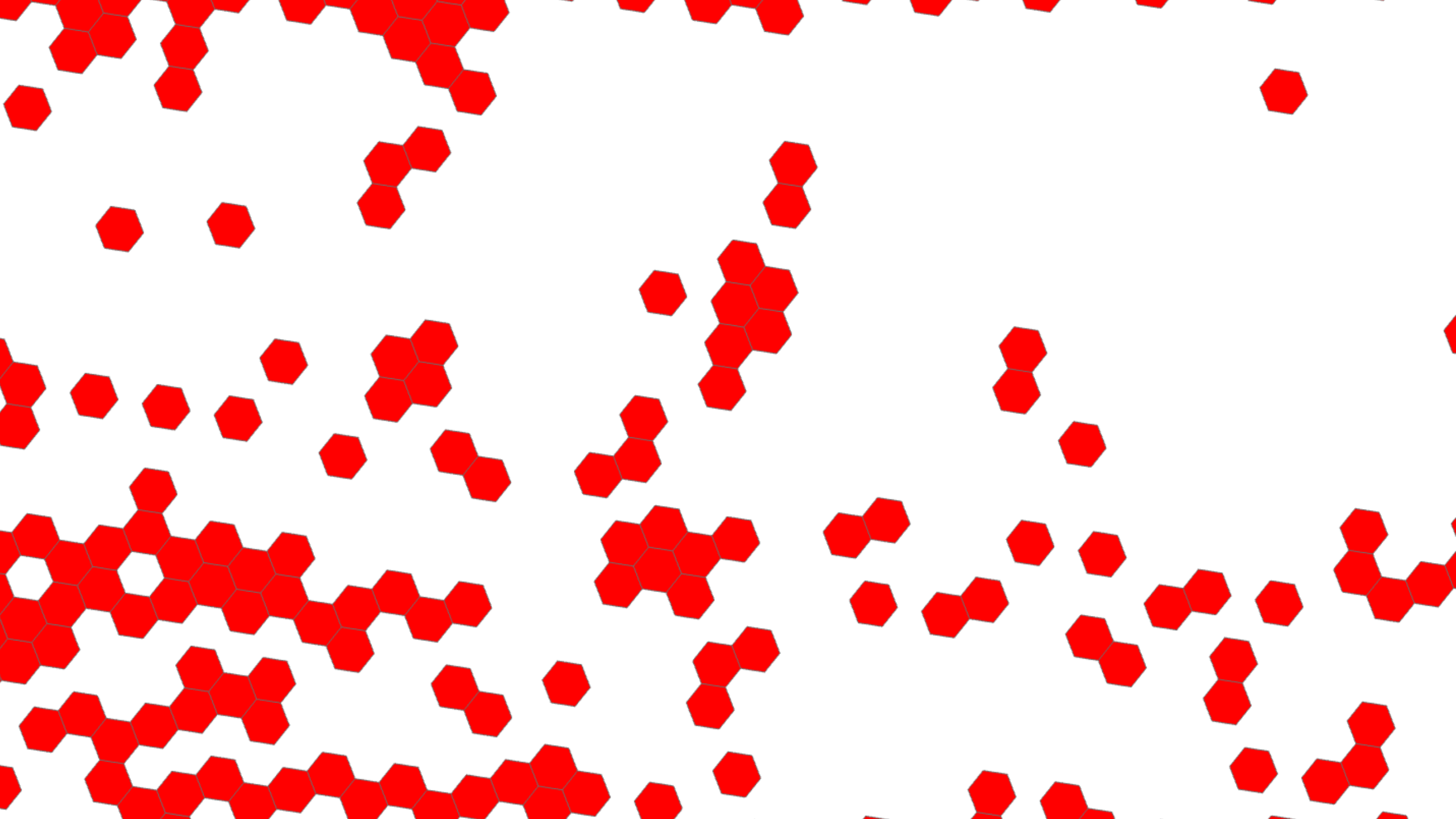
How does this apply to horticulture?

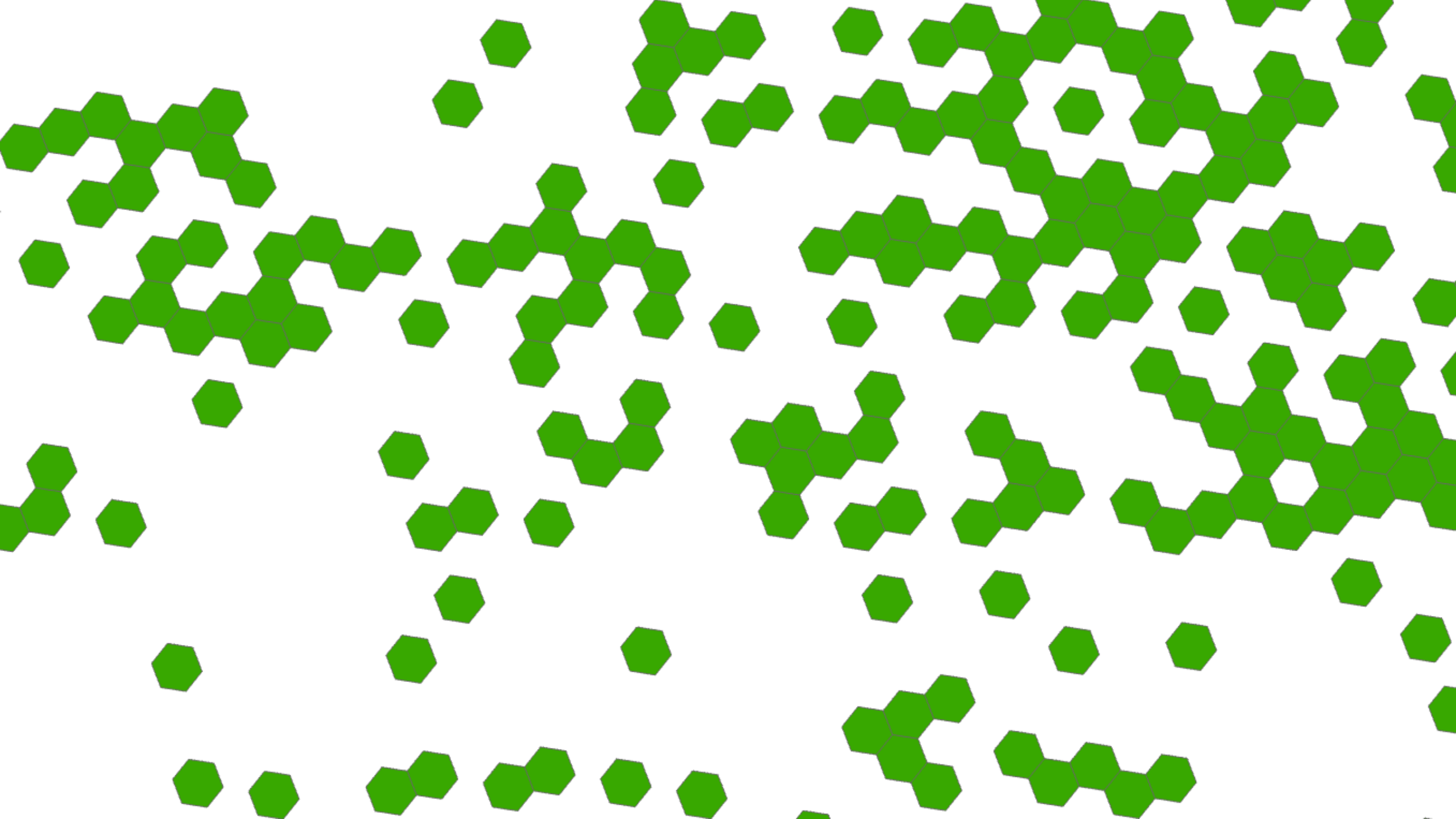


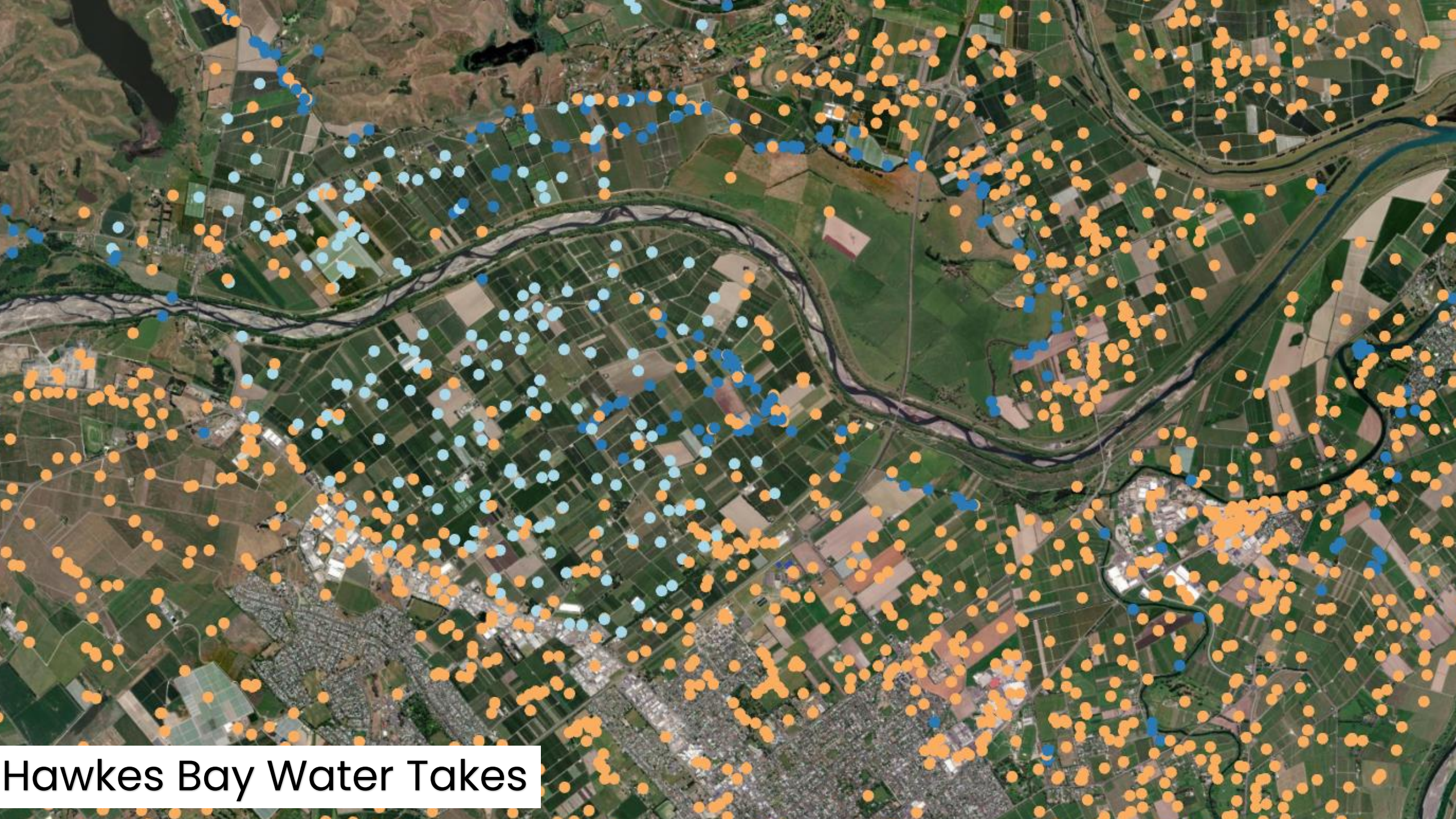




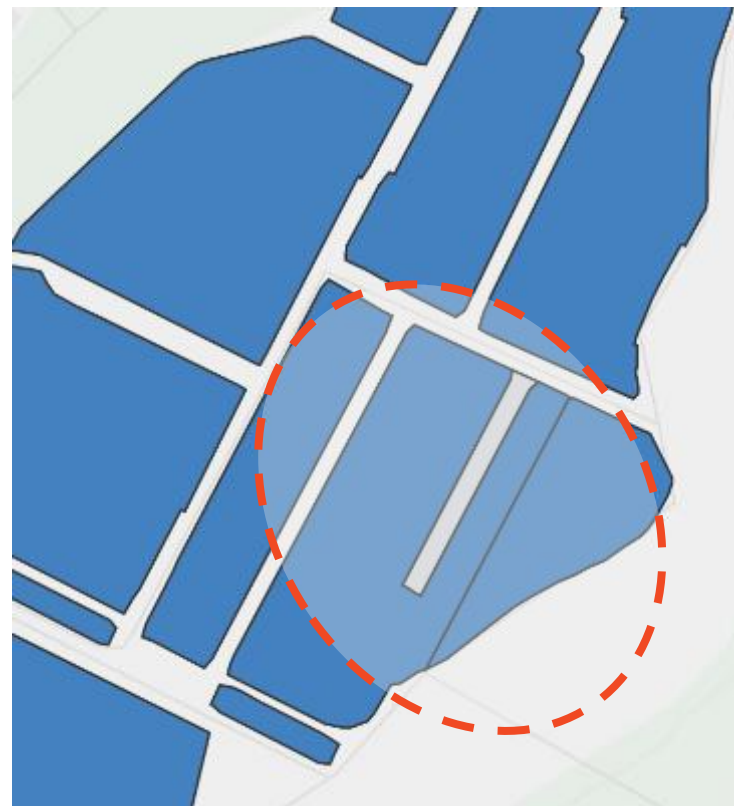


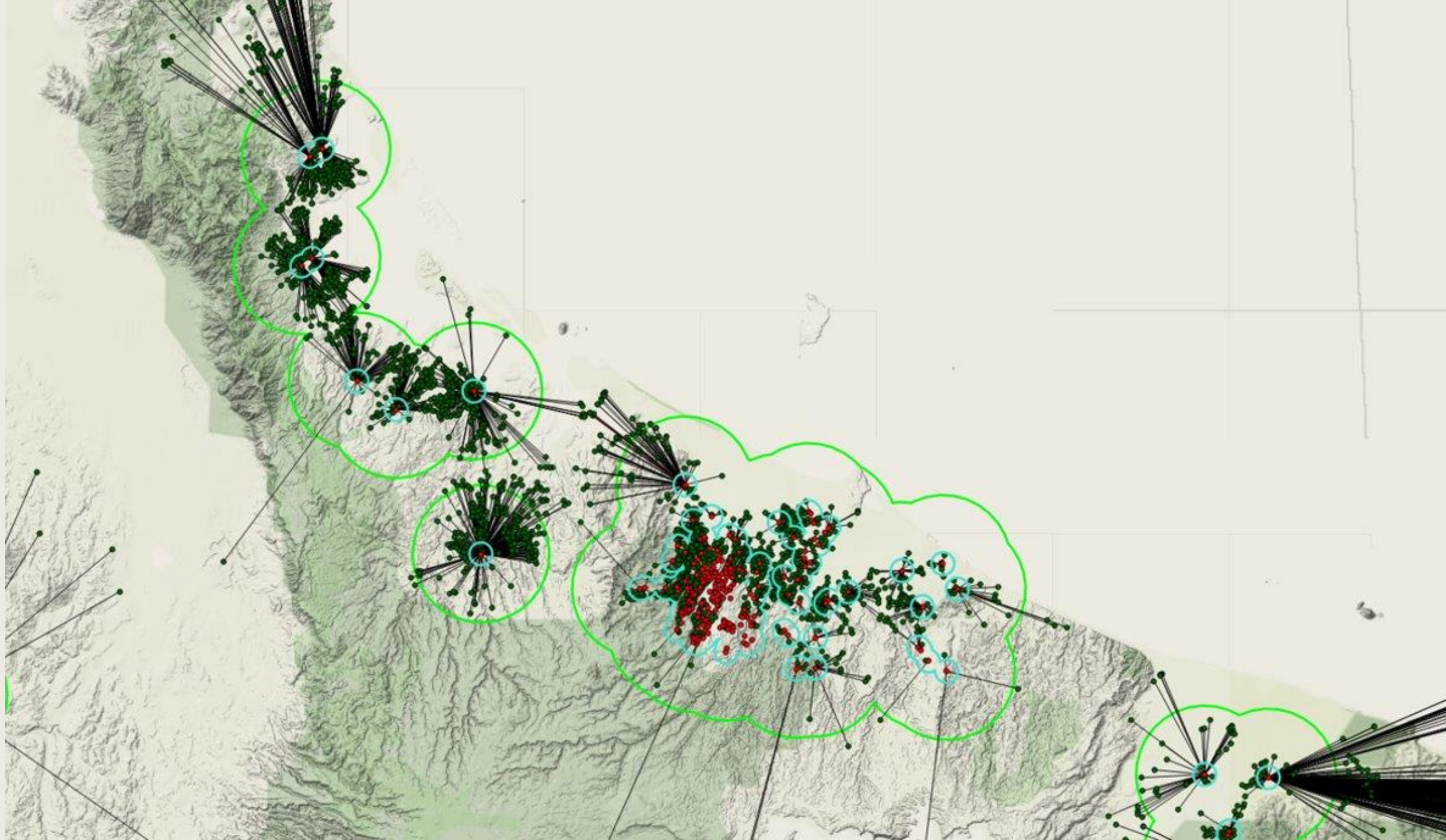


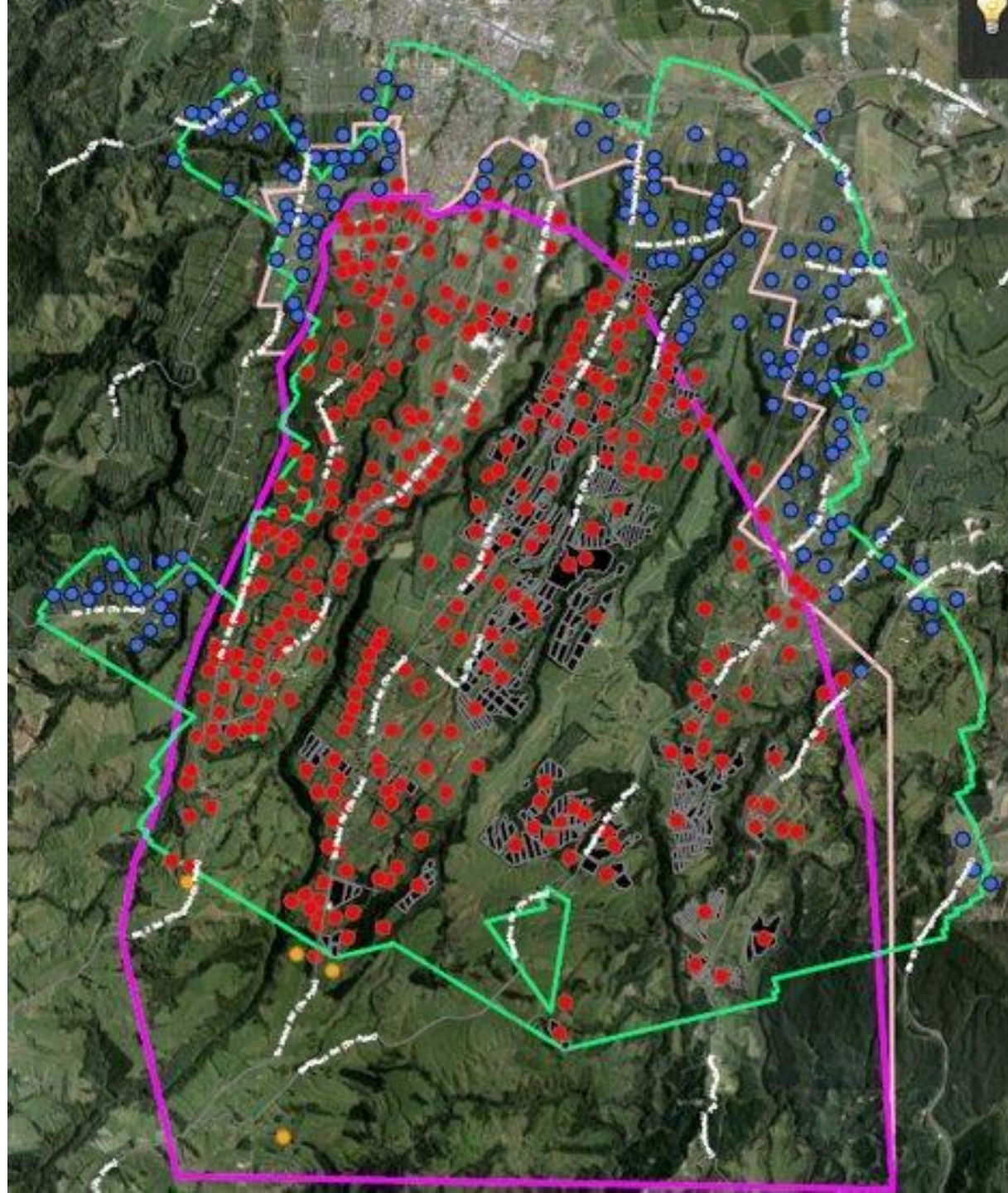




Hawkes Bay Water Takes







Impact of China Buffer

Based on 27.2 km Buffer as
supplied by MPI

Modified 3/22/15, 1:54 PM

[Find out more](#)

MPI Buffer and new Zones

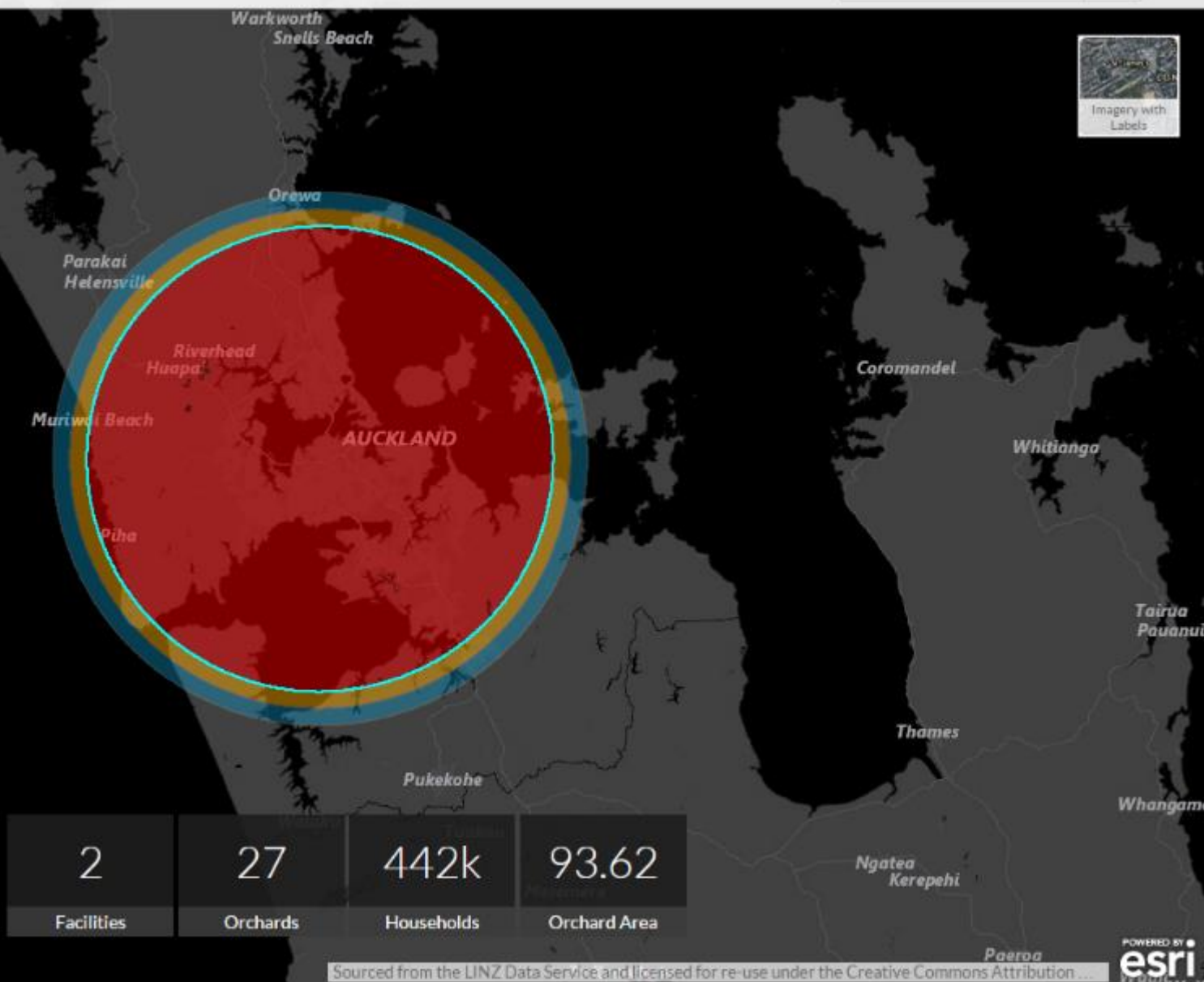
2.5 km from Zone

5.0 km from Zone

Export Restriction (27200)

Impact of China Buffer

Find address or place



Bin Tracking

Bins

Bin Card: 112540
26/03/2017

Bin Card: 112551
26/03/2017

Bin Card: 110359
26/03/2017

Bin Card: 112599
26/03/2017

Bin Card: 112605
26/03/2017

Bin Card: 112617
26/03/2017

Bin Card: 112411
26/03/2017

Bin Card: 112423
26/03/2017

Bin Card: 112435
26/03/2017

Bin Card: 112472
26/03/2017

Bin Card: 112484
26/03/2017

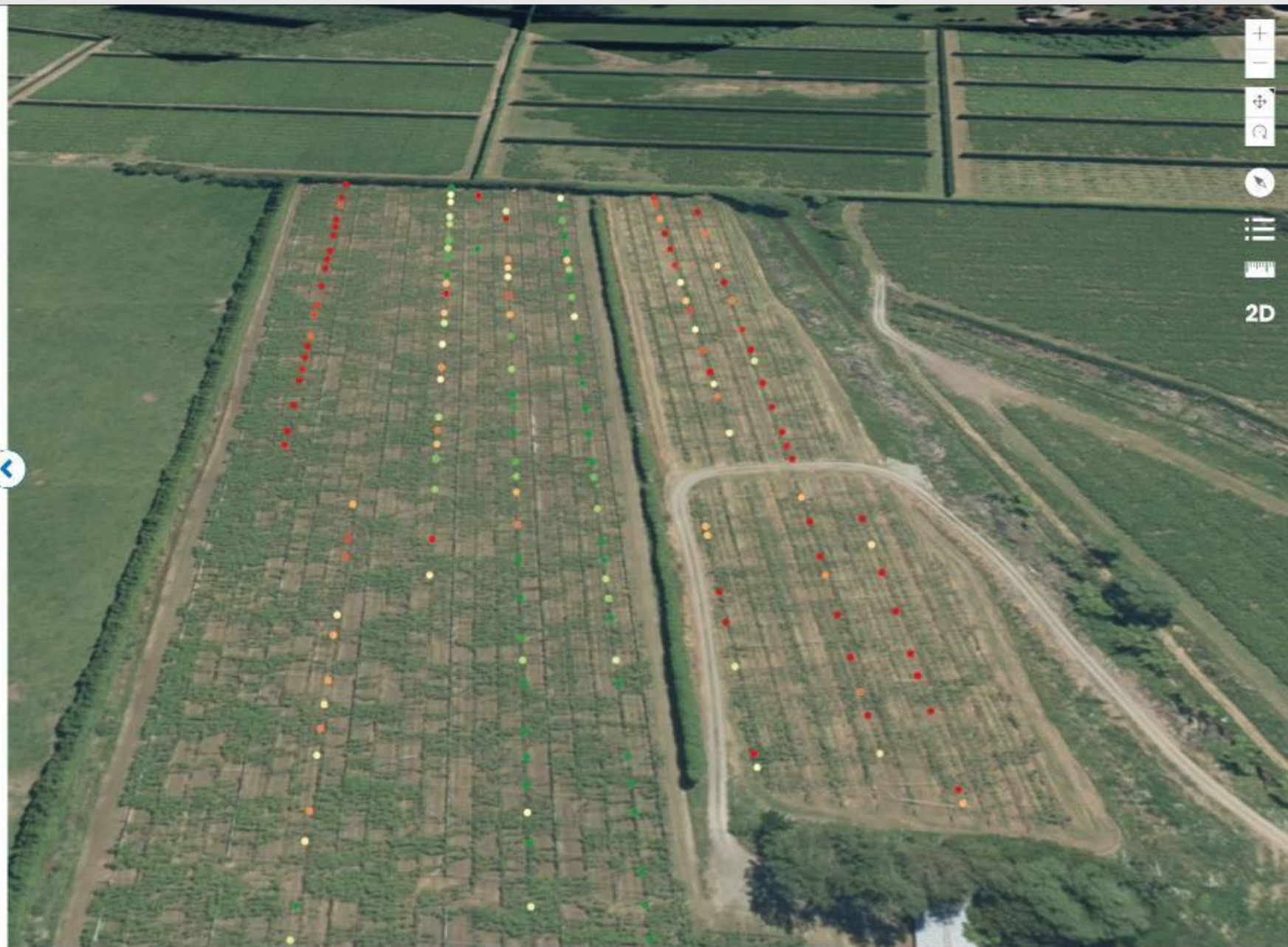
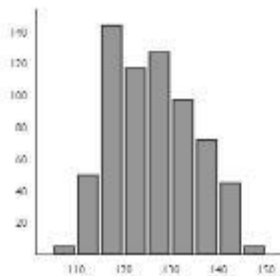
Bin Card: 112496
26/03/2017

Bin Card: 112460

Select a year and an attribute to display the associated bin data.

Tracking year: 2017

Field: Average weight



Bin Tracking

Bins

Bin Card: 112540

26/03/2017

Bin Card: 112551

26/03/2017

Bin Card: 110359

26/03/2017

Bin Card: 112599

26/03/2017

Bin Card: 112605

26/03/2017

Bin Card: 112617

26/03/2017

Bin Card: 112411

26/03/2017

Bin Card: 112423

26/03/2017

Bin Card: 112435

26/03/2017

Bin Card: 112472

26/03/2017

Bin Card: 112484

26/03/2017

Bin Card: 112496

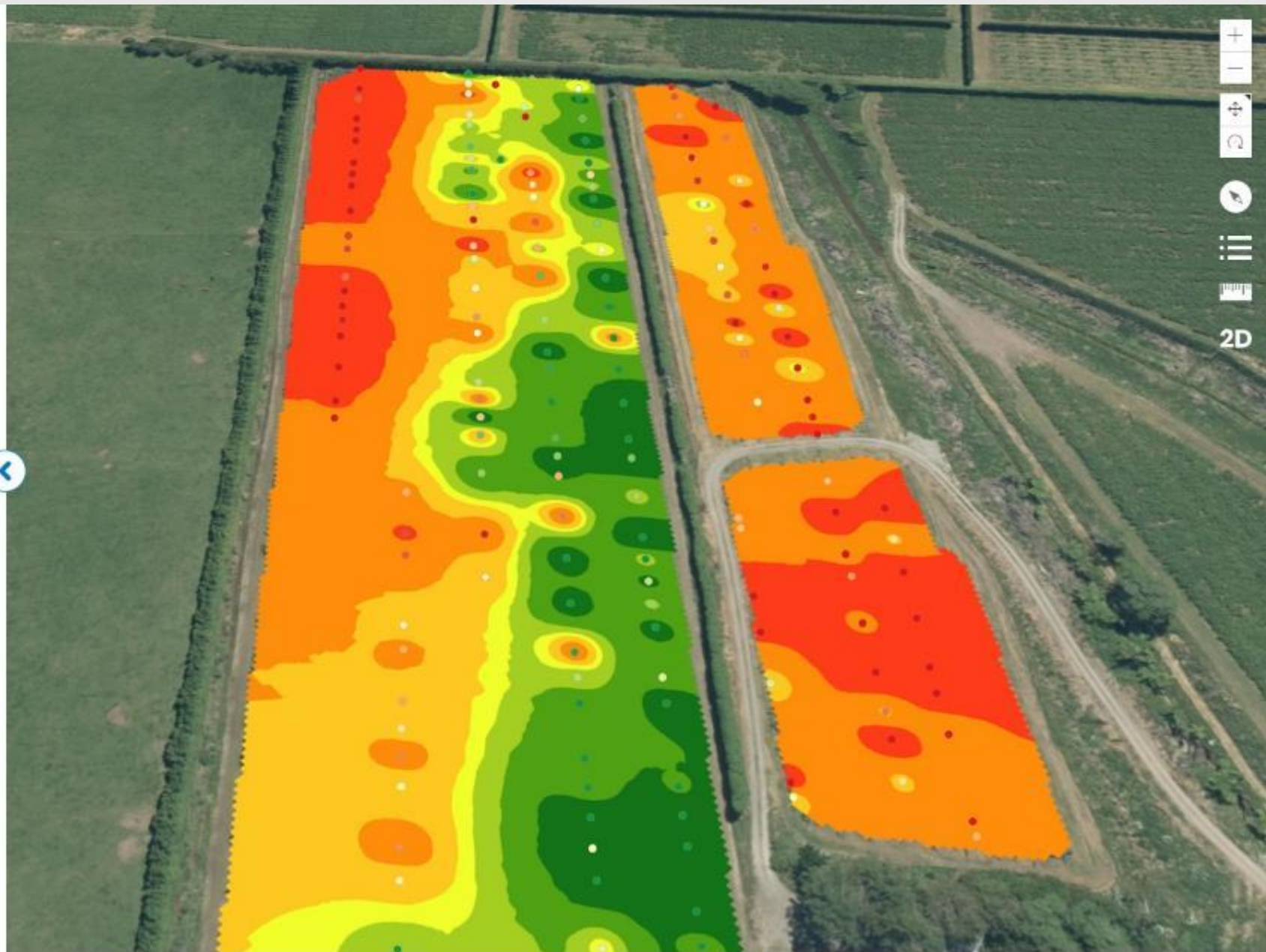
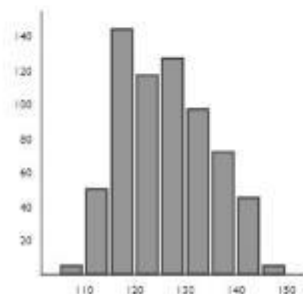
Select a year and an attribute to display the associated bin data.

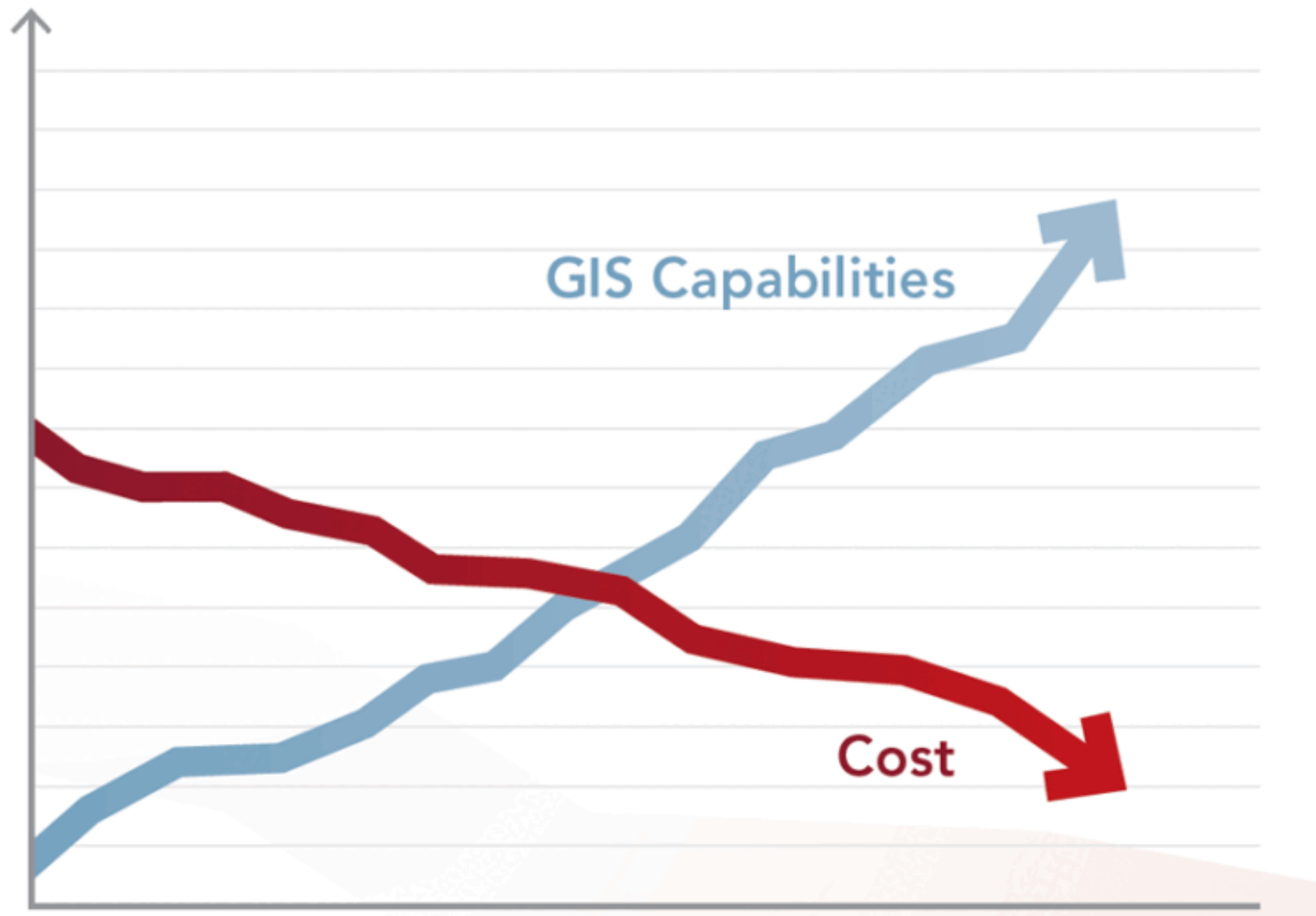
Tracking year

2017

Field

Average weight



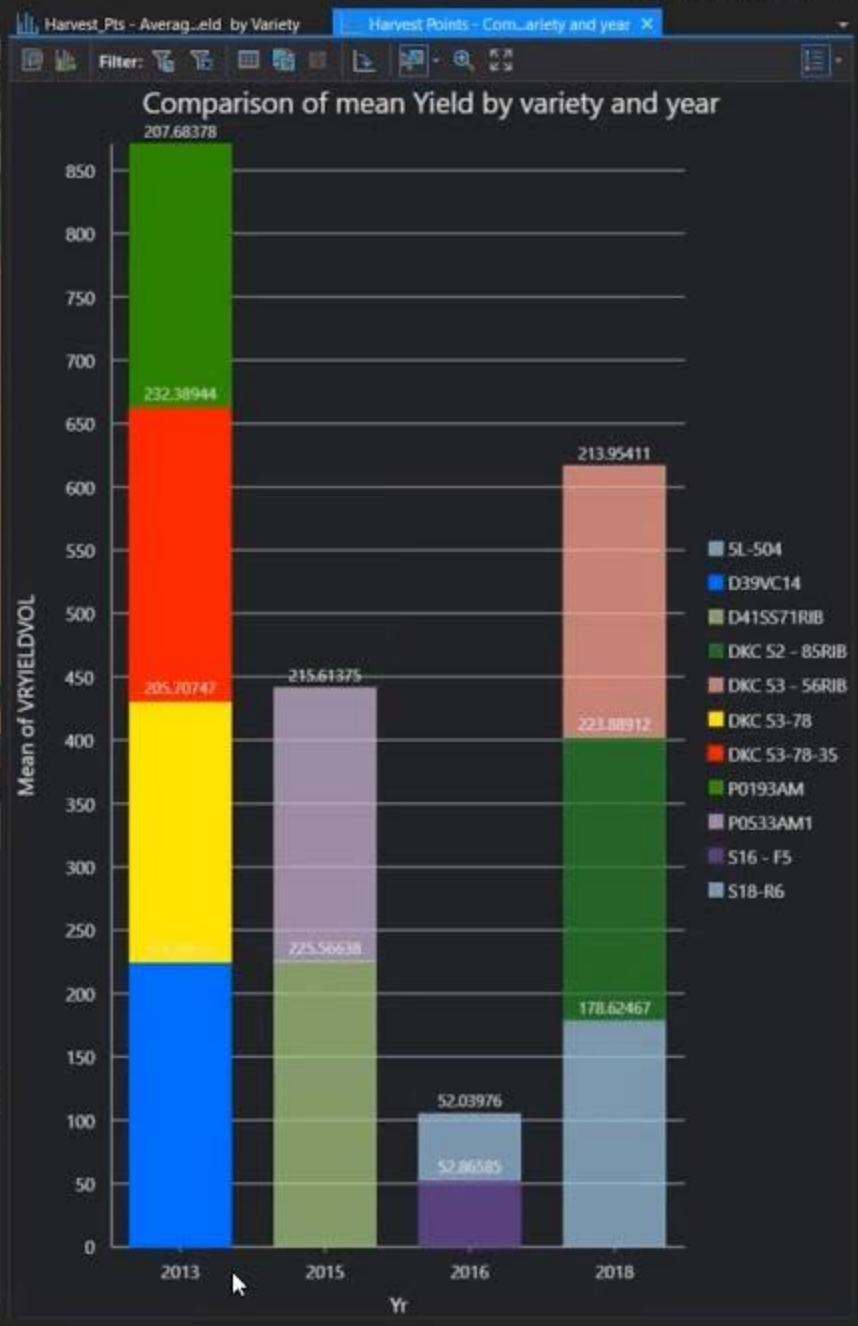
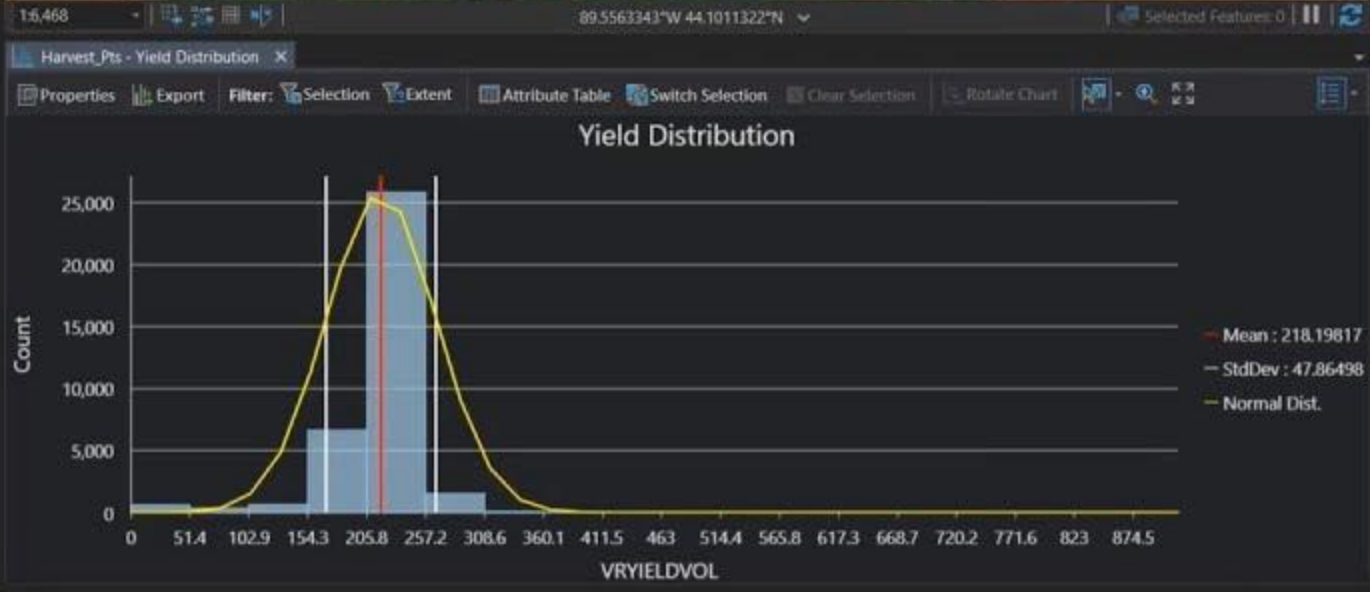
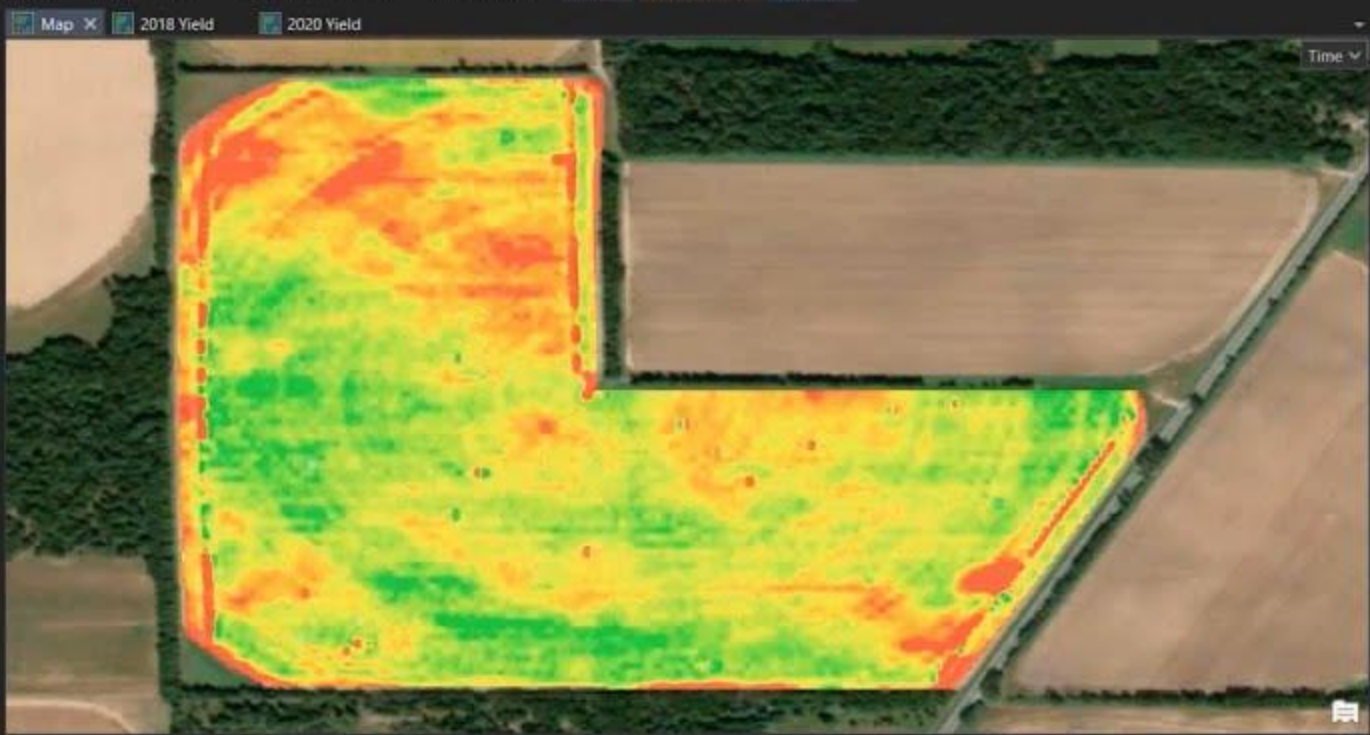


Contents

Search

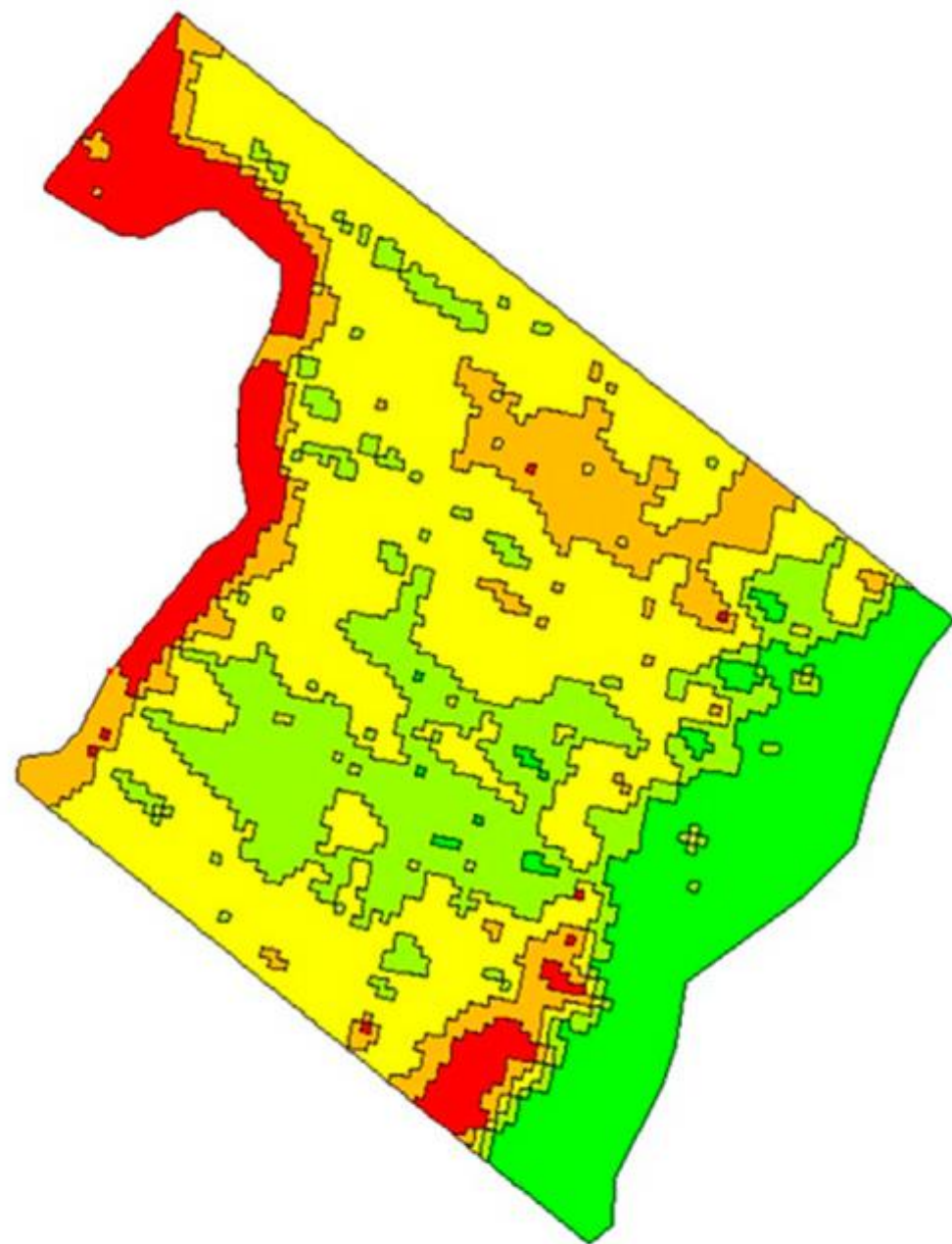
Drawing Order

- Map
- Ag Field Scouting
- Harvest Points
- Seeding Zones & Points
- Harvest_Pts_MBG
- Variety Map
- Harvest_Pts
- Seeding_zones
- Harvest
- Seeding
- Application
- Application Layers
- Seeding Layers
- Harvest Layers
- Profit
- Harvest 2018
- Harvest 2016
- Harvest 2015
- Harvest 2013
- Ag Field Scouting
- zoneHarvest
- ADAPT
- World Imagery
- Standalone Tables
- ZonalSt_Tlb
- Zonal_Tlb2020





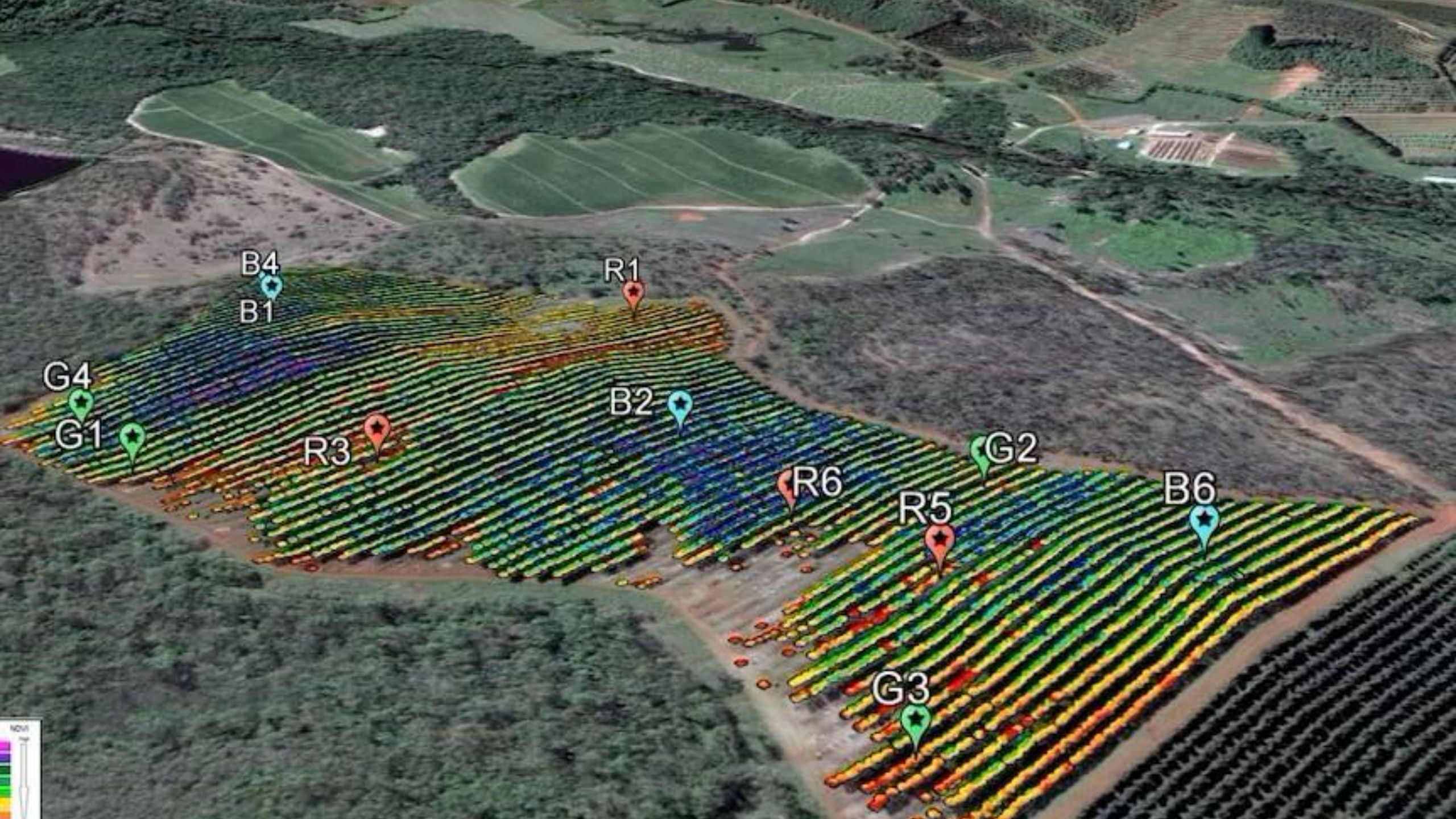




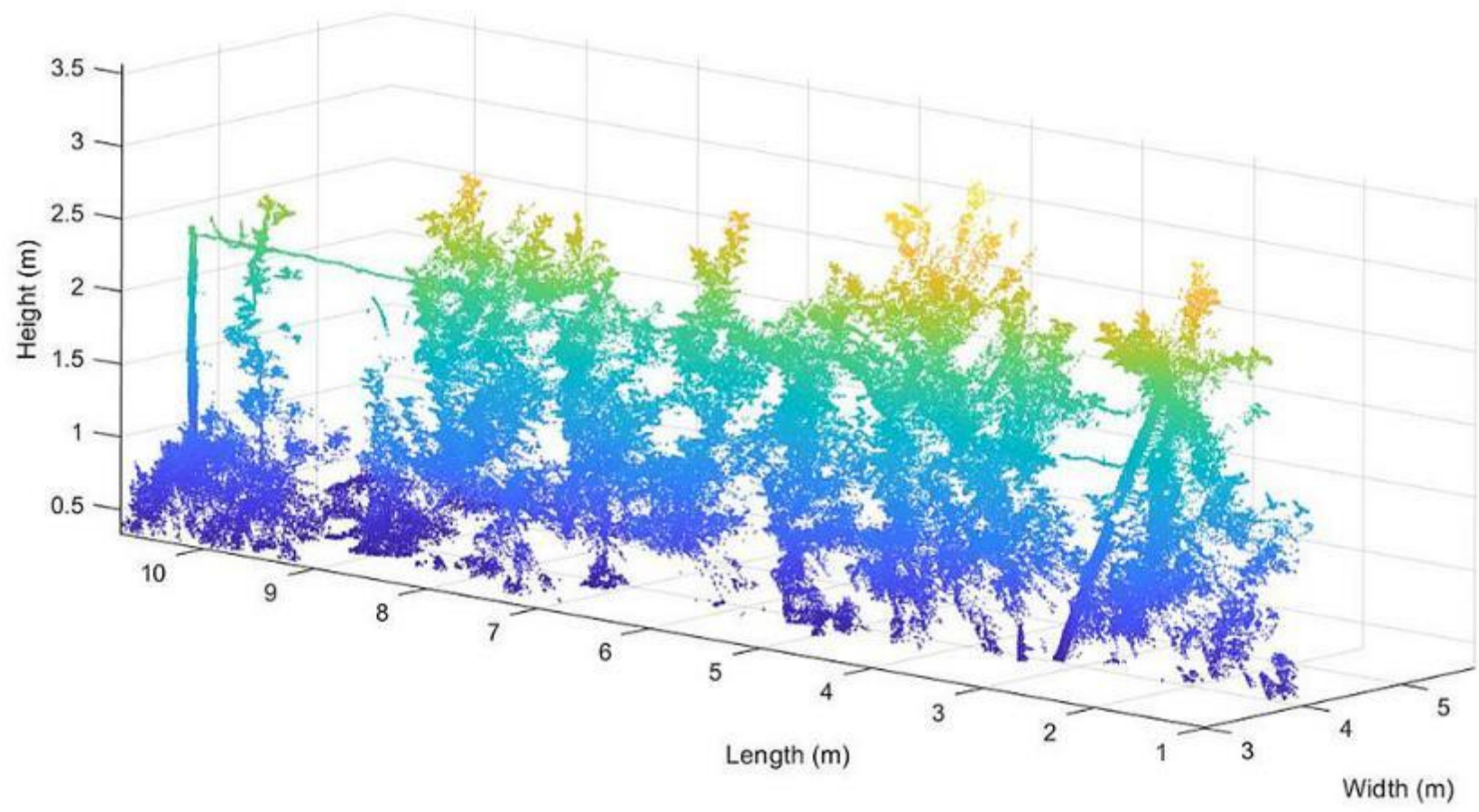
0 90m

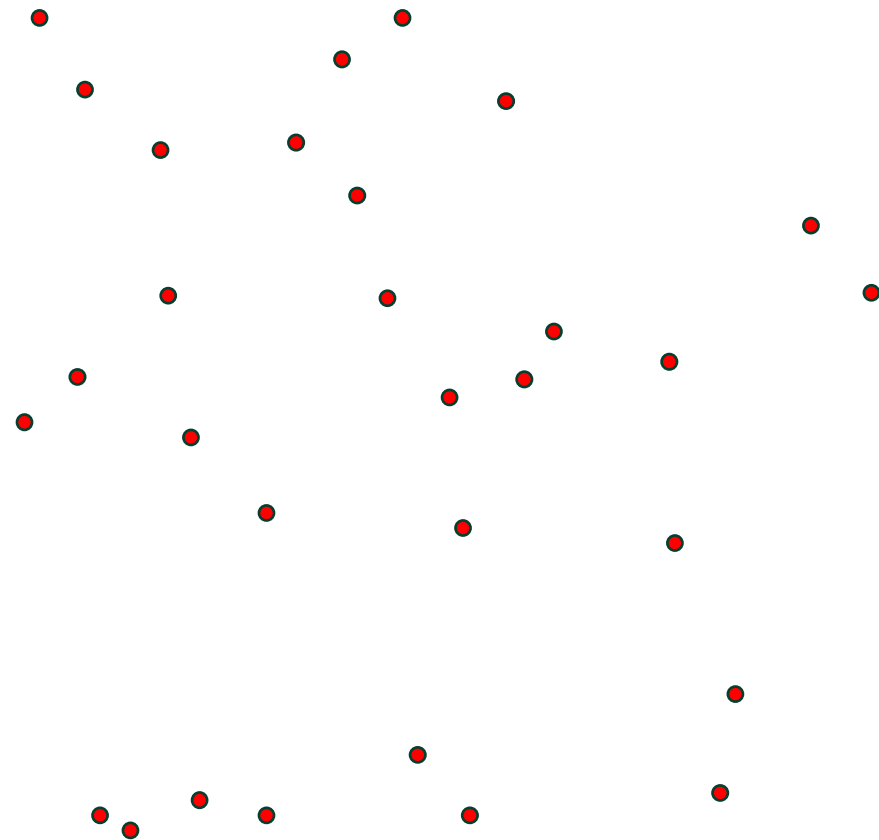
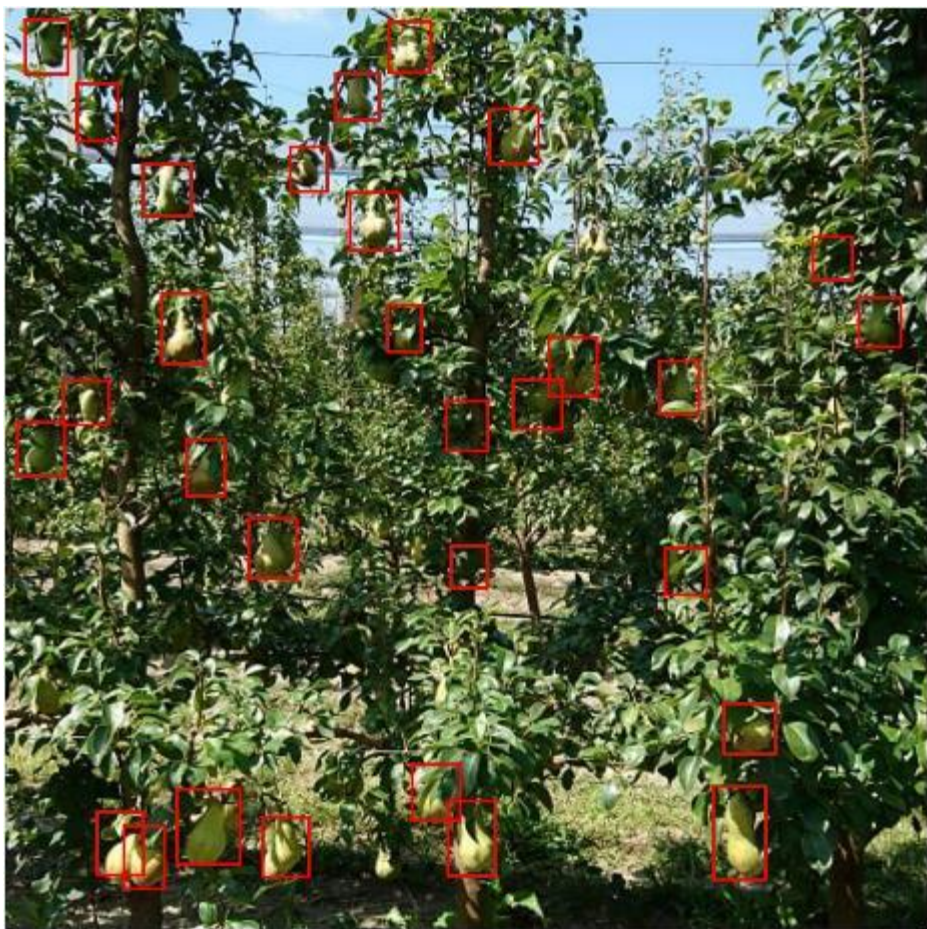
1
N

Downloaded from <https://www.cambridge.org/core>

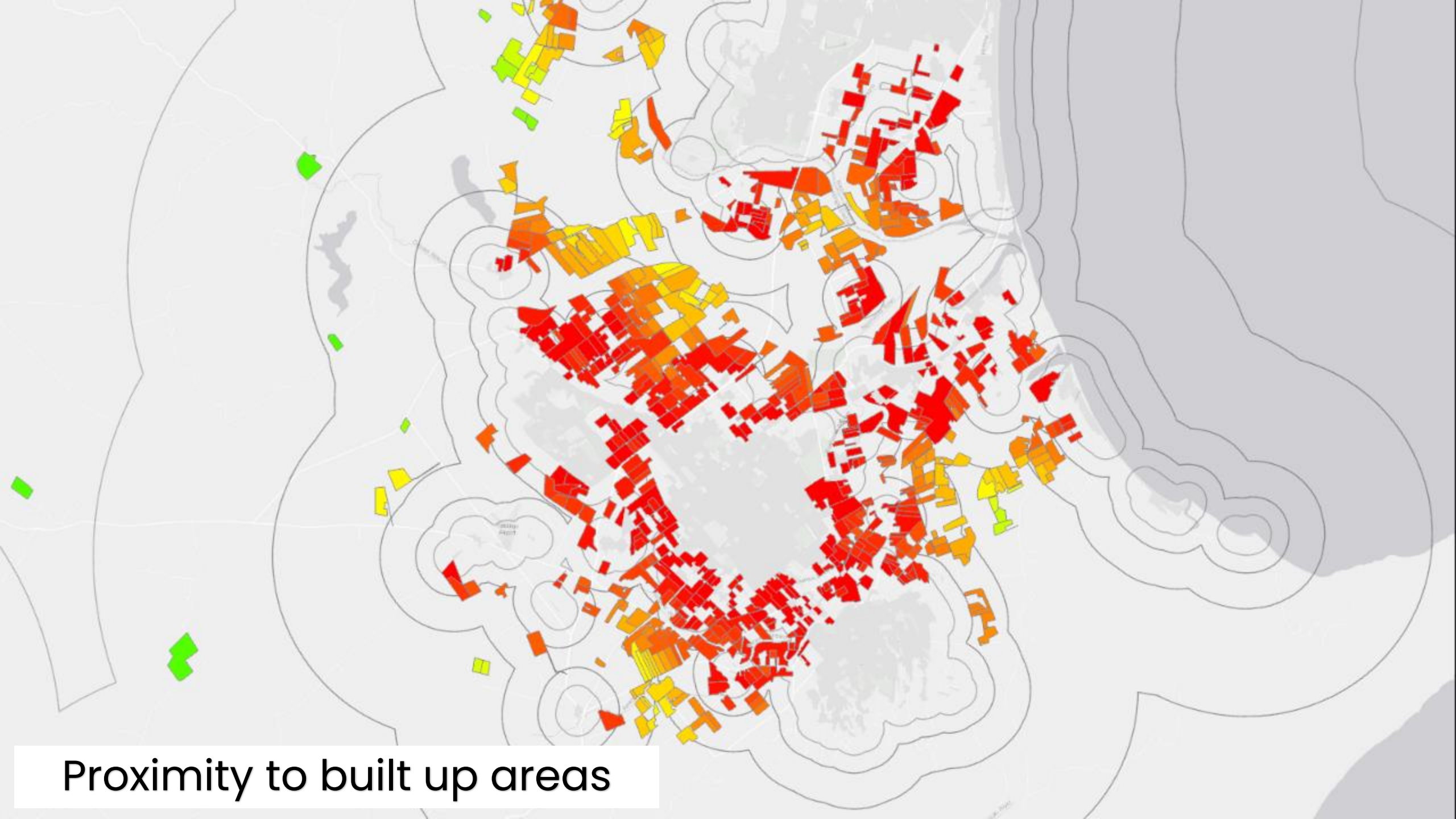




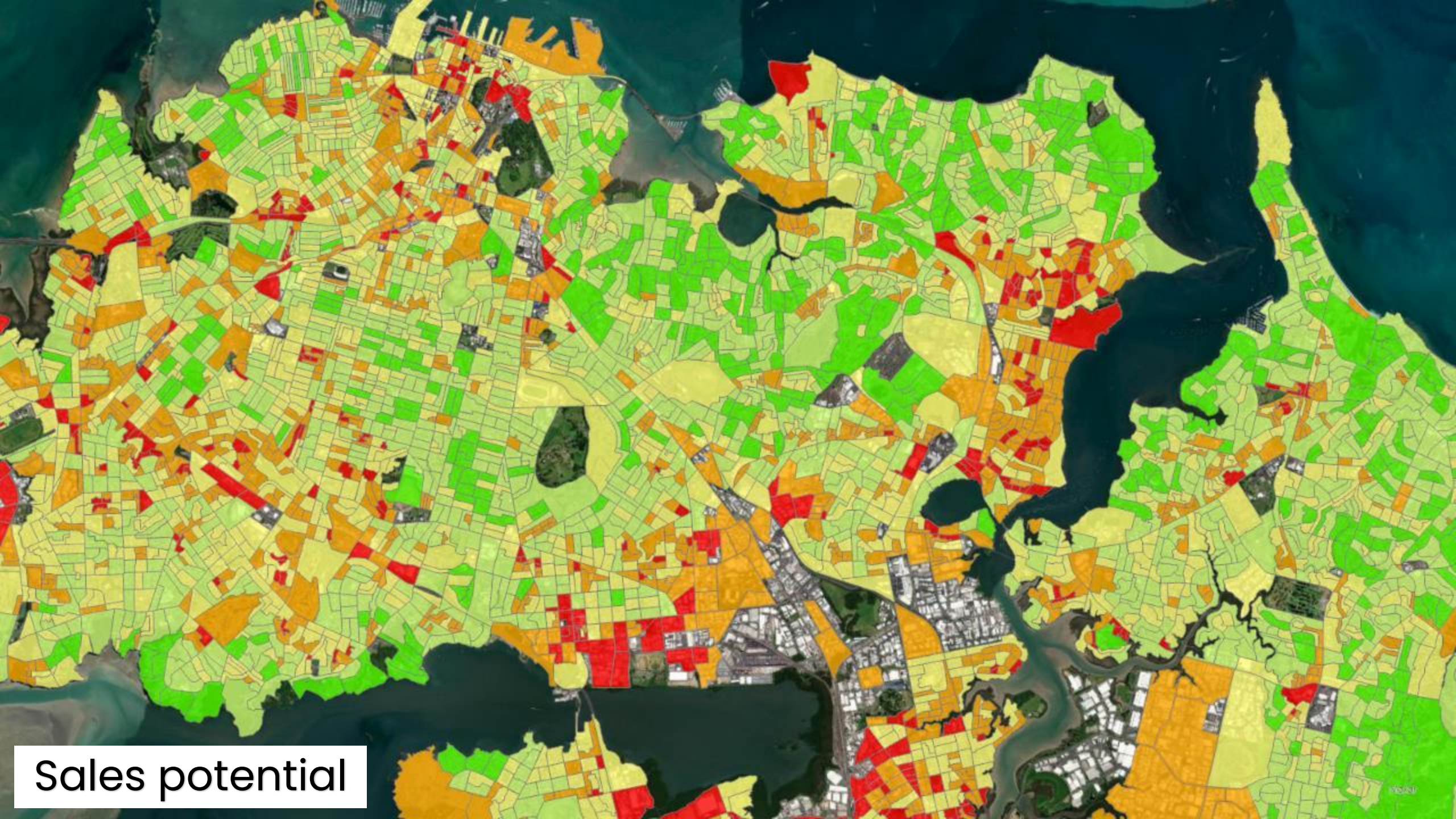




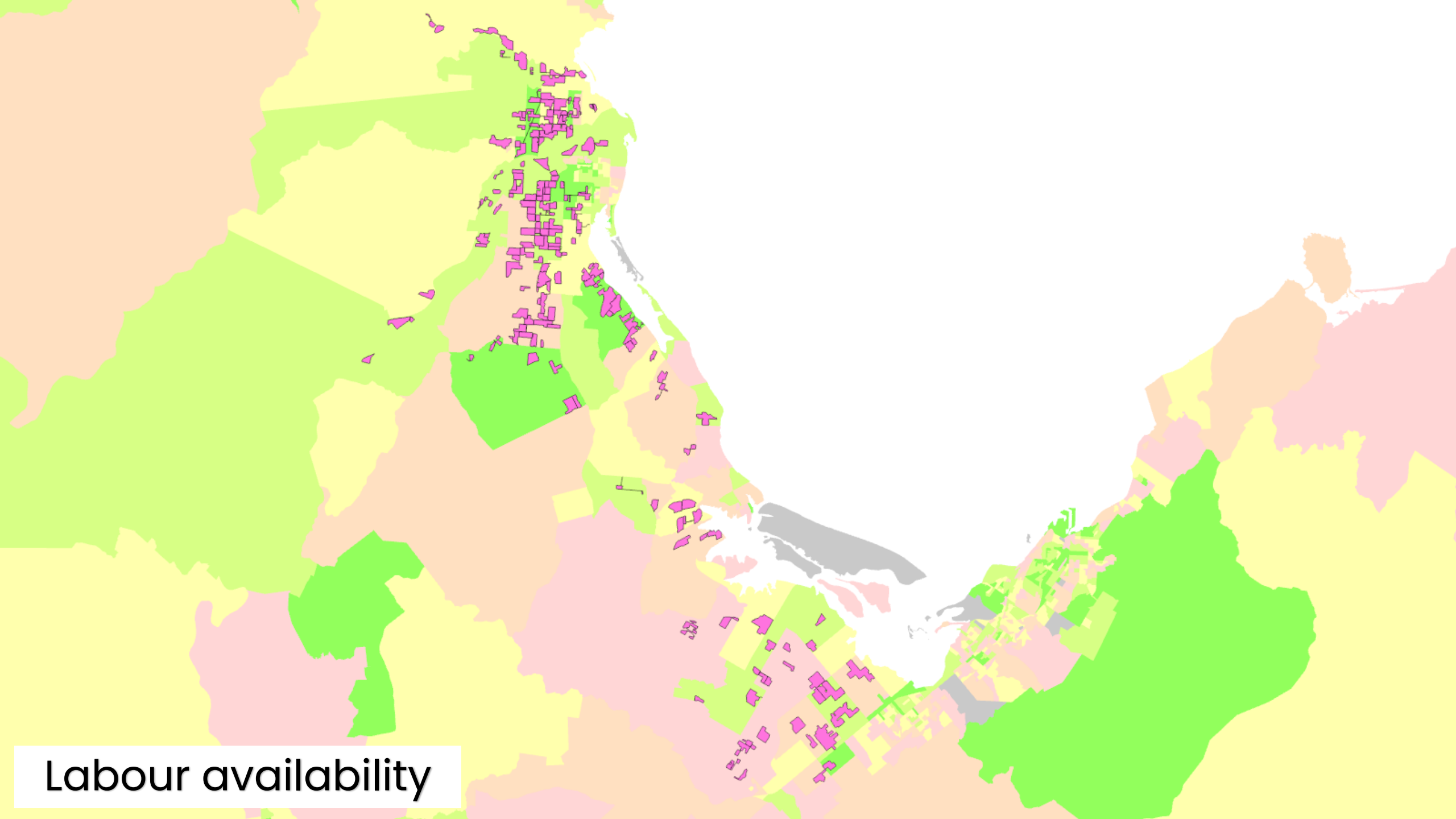
What do you want to see?



Proximity to built up areas



Sales potential



Labour availability

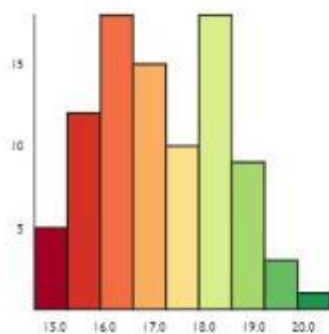
26-04-2023

This page displays the statistics and individual readings for the date and block specified.

4



▼ Histogram



Min: 14.6 Ave: 17.15 Max: 20.5
70% of fruit at or above: 16.3
Brix Average: 9.8

91 results

DM: 14.6

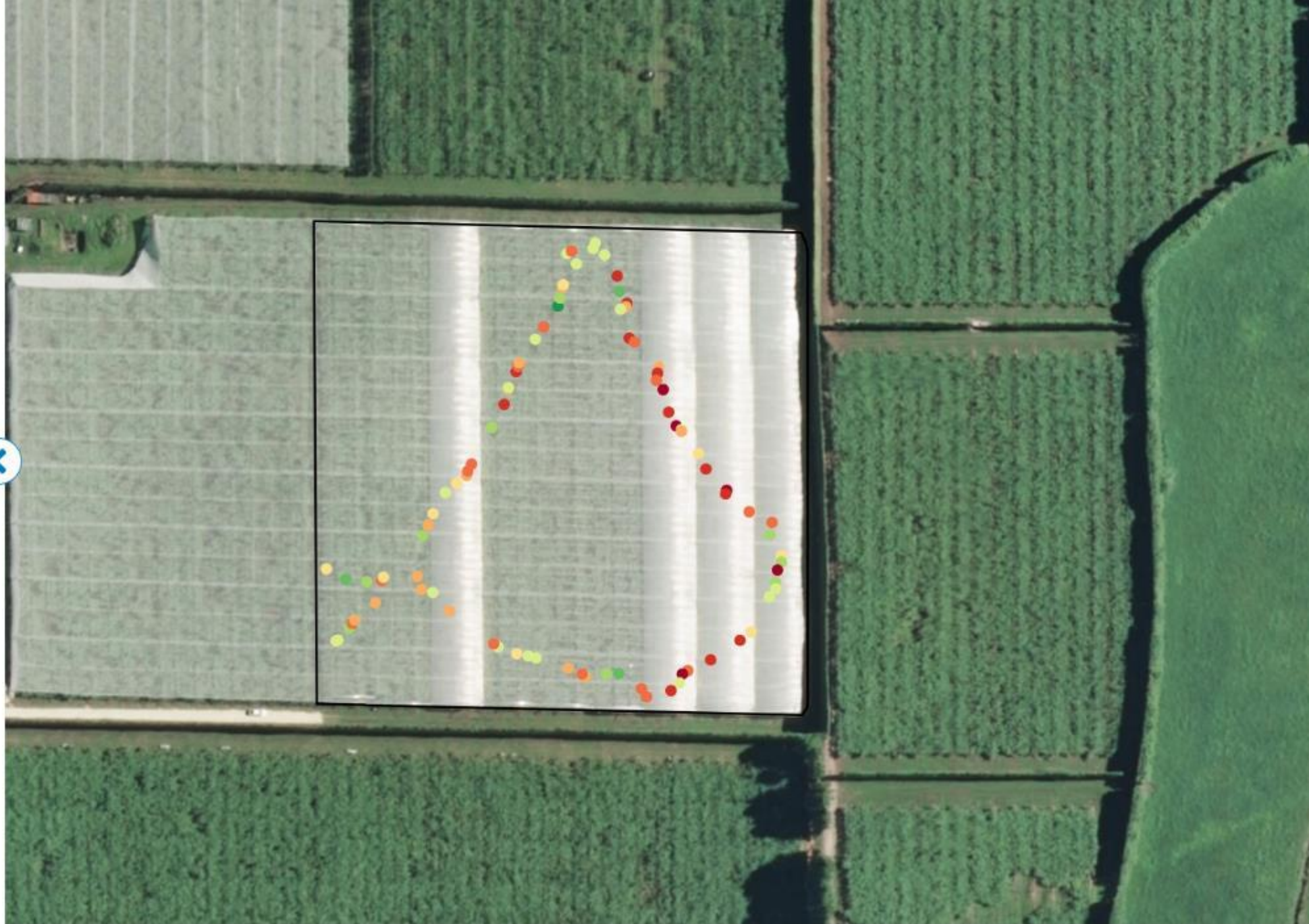
BRIX: 7.1

DM: 14.9

Show per
page

All

Back



<<

▶

Base data

Aa

👁

Hazard points

≡ Aa

👁

Blocks

≡ Aa

Milan

KPIN:8963

59 No 2 Road

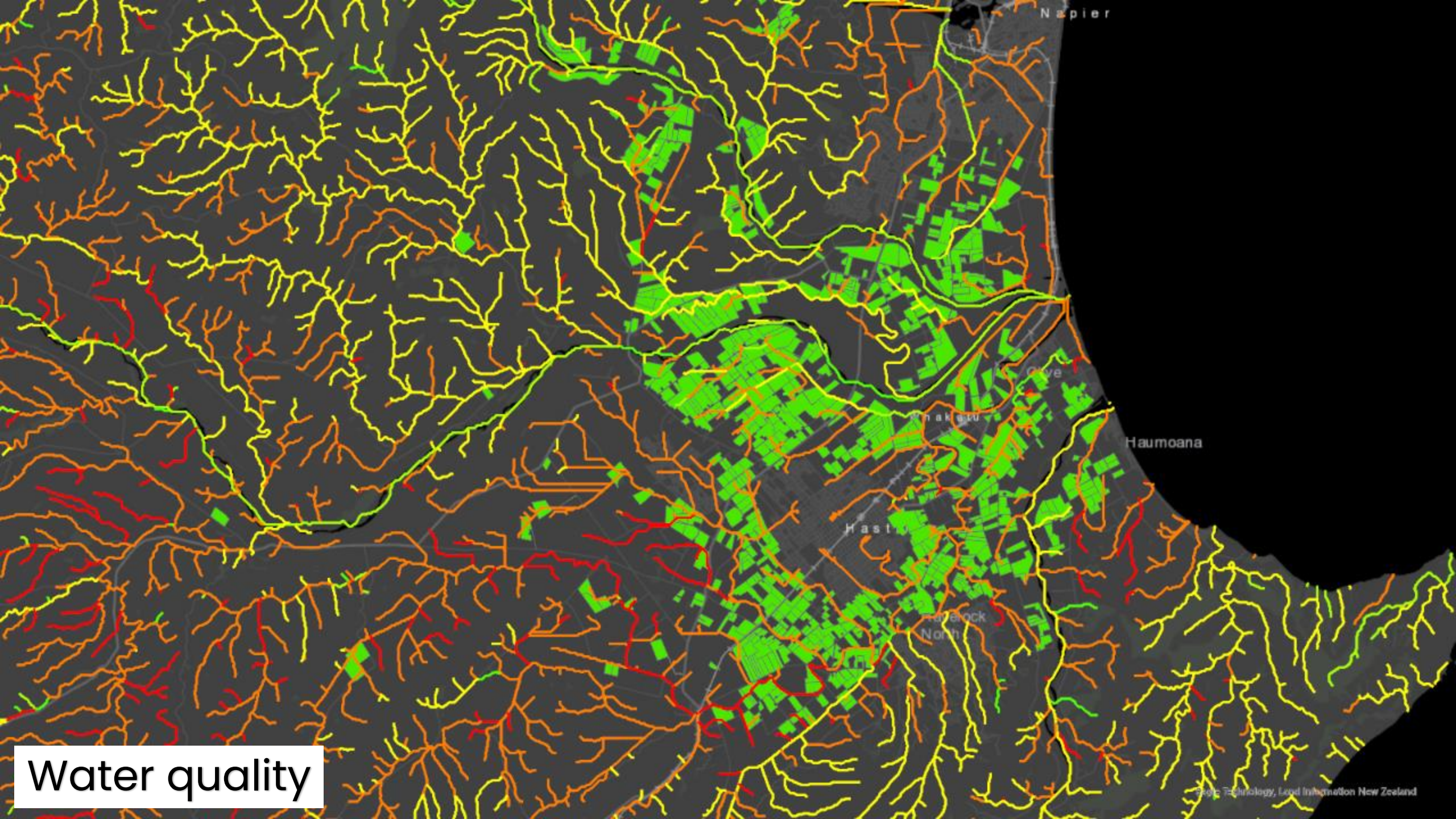
Te Puke 3182

New Zealand

Landkind

Orchard demo

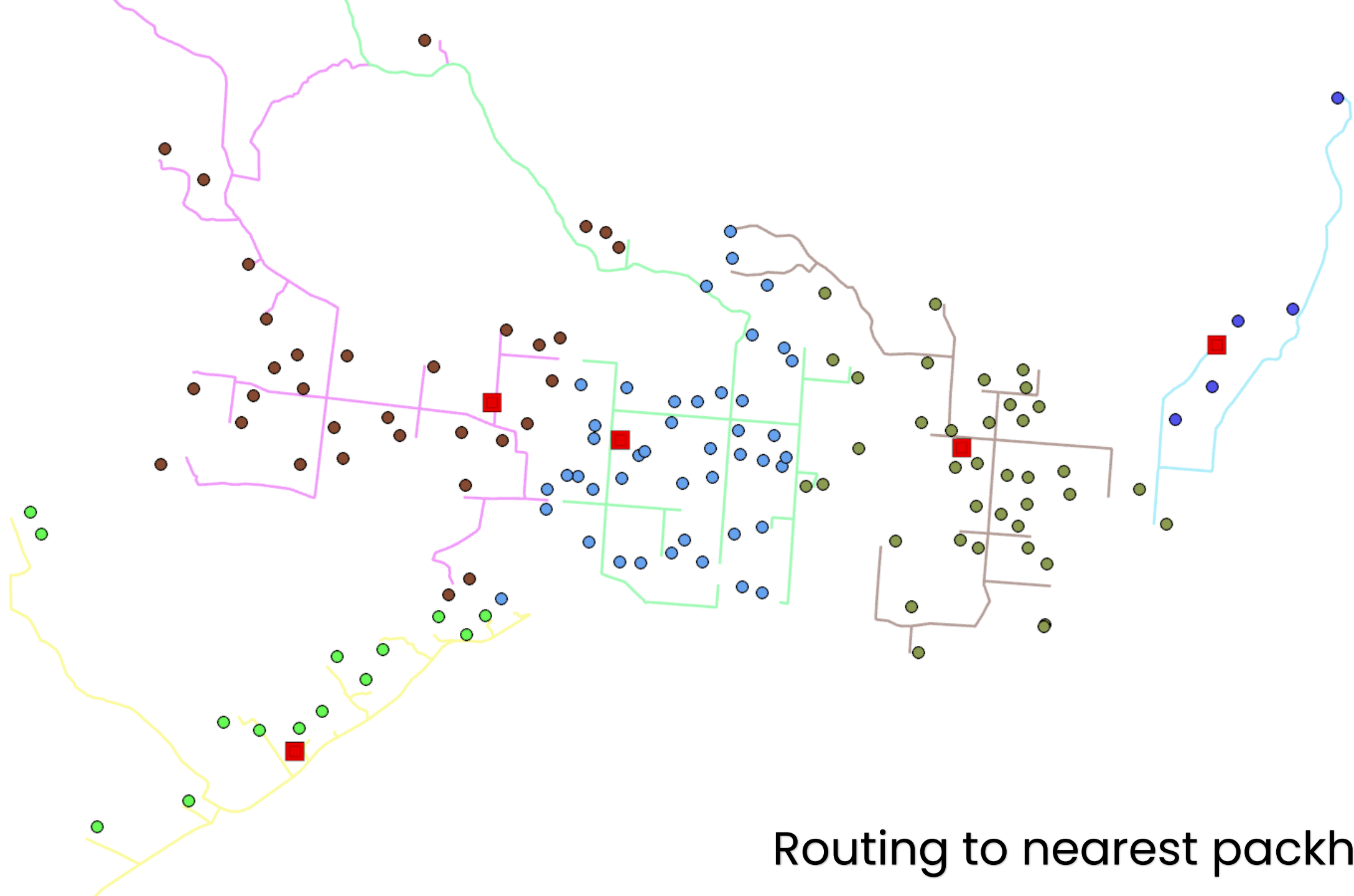
The map displays a rural landscape with a central blue-shaded hazard zone. The zone is divided into several numbered blocks, each with an area measurement in hectares (ha). The blocks and their areas are: 1 (0.64ha), 2 (1.49ha), 3 (0.64ha), 4 (1.23ha), 5 (1.52ha), 6F (1.33ha), 7 (0.66ha), 8 (0.08ha), 9 (0.08ha), 10 (1.74ha), 11 (0.11ha), 12 (1.33ha), 13 (0.66ha), 14 (1.52ha), 15 (0.64ha), 16 (0.08ha), 17 (0.08ha), 18 (0.08ha), 19 (0.08ha), 20 (0.08ha), 21 (0.08ha), 22 (0.08ha), 23 (0.08ha), 24 (0.08ha), 25 (0.08ha), 26 (0.08ha), 27 (0.08ha), 28 (0.08ha), 29 (0.08ha), 30 (0.08ha), 31 (0.08ha), 32 (0.08ha), 33 (0.08ha), 34 (0.08ha), 35 (0.08ha), 36 (0.08ha), 37 (0.08ha), 38 (0.08ha), 39 (0.08ha), 40 (0.08ha), 41 (0.08ha), 42 (0.08ha), 43 (0.08ha), 44 (0.08ha), 45 (0.08ha), 46 (0.08ha), 47 (0.08ha), 48 (0.08ha), 49 (0.08ha), 50 (0.08ha), 51 (0.08ha), 52 (0.08ha), 53 (0.08ha), 54 (0.08ha), 55 (0.08ha), 56 (0.08ha), 57 (0.08ha), 58 (0.08ha), 59 (0.08ha), 60 (0.08ha), 61 (0.08ha), 62 (0.08ha), 63 (0.08ha), 64 (0.08ha), 65 (0.08ha), 66 (0.08ha), 67 (0.08ha), 68 (0.08ha), 69 (0.08ha), 70 (0.08ha), 71 (0.08ha), 72 (0.08ha), 73 (0.08ha), 74 (0.08ha), 75 (0.08ha), 76 (0.08ha), 77 (0.08ha), 78 (0.08ha), 79 (0.08ha), 80 (0.08ha), 81 (0.08ha), 82 (0.08ha), 83 (0.08ha), 84 (0.08ha), 85 (0.08ha), 86 (0.08ha), 87 (0.08ha), 88 (0.08ha), 89 (0.08ha), 90 (0.08ha), 91 (0.08ha), 92 (0.08ha), 93 (0.08ha), 94 (0.08ha), 95 (0.08ha), 96 (0.08ha), 97 (0.08ha), 98 (0.08ha), 99 (0.08ha), 100 (0.08ha). The hazard zone is bordered by roads: Dudley Vercoe Dr to the north, No 2 Rd to the west and south, and Tynan St to the east. A red line runs along the bottom of the hazard zone, and a blue line runs along the top. Hazard points are marked with red triangles and lightning bolts. A white mouse cursor is visible on the right side of the map.



Water quality



Sources: Esri, DigitalGlobe, GeoEye, i-cubed, USDA, NASA, Landsat, NOAA, USGS, NGA, OpenStreetMap, Mapbox, and the United States Coast Guard.



Routing to nearest packhouse

Q & A