Tailte Éireann

Clárúchán, Luacháil, Suirbhéireacht
Registration, Valuation, Surveying

3rd Party Data Quality Assessment at Tailte Éireann

Fergus Fahey – Geospatial Spatial Data Quality Team Manger

Why we need 3rd party data

For Products	
For Enhancement and Enrichment to Large Scale Database	
For Change Intelligence	
For Data Quality Assessments	

Marked Walks


Tawnaghmore
n Corryntawy
awnaghlaur
nore
Dooagh Loop
Owenavally
Mill Stream
Tenregee River
Ford
Tongree
Dooagh
Dumha Acha
36
75
30
120
100
90
80
70
60
50
40
110

Enhancement and Enrichment/ Change Intelligence

Sports Grounds

“The Get Ireland Active National [GIS]Database is Ireland’s interactive activity, sport and recreation hub. It is a central registry bringing together the collective resources of Government, Sport Ireland, local authorities, state agencies, and the national governing bodies of sport”

Eirigh Gníomhach in Éirinn
Get Ireland Active

Home | Explore the Map | About | Mo

CLUBS & GROUPS TO JOIN

TRAILS TO EXPLORE

PLACES TO BE ACTIVE

Advanced Filters →

Map View | List View

Address Search

THEMES

Choose...

API

Choose...

RESOURCE FORMAT

Choose...

PUBLISHER

Choose...

LICENCE

Choose...

OPENNESS

Choose...

Clear Filters

Search Datasets Search Tips Advanced Search

sports ireland

4 datasets found for "sports ireland"

Order by Relevance

Publisher: Sport Ireland ×

GetIrelandActive_Trailheads

Education and Sport

Sport Ireland

Summary A point feature layer containing the trailheads within the National Trails Register for Ireland, compiled and maintained by Sport Ireland Sport Ireland Outdoors, previously known as the National Trails Office, was established in 2007 by the Sport Ireland to coordinate...

ARCGIS GEOSERVICES REST API

113 views

GetIrelandActive_ActivityLocations

Education and Sport

Sport Ireland

Summary A point feature layer containing locations to be active in Ireland, with data provided by Local Authorities, State Agencies and National Governing Bodies of Sport in Ireland, compiled and maintained by Sport Ireland Sport Ireland have led on the development of a...

ARCGIS GEOSERVICES REST API

266 views

GetIrelandActive_Clubs

Education and Sport

Sport Ireland

Summary A point feature layer containing locations of affiliated sports and recreation clubs in Ireland, with data provided by National Governing Bodies of Sport, compiled and maintained by Sport Ireland Sport Ireland have led on the development of a National Database of Sport...

ARCGIS GEOSERVICES REST API

196 views

GetIrelandActive_TrailRoutes

Education and Sport

Sport Ireland

Summary A line feature layer containing the National Trails Register for Ireland, compiled and maintained by Sport Ireland Sport Ireland Outdoors, previously known as the National Trails Office, was established in 2007 by the Sport Ireland to coordinate and drive the...

ARCGIS GEOSERVICES REST API

301 views

services-eu1.arcgis.com/CItcWyRoZmdwaB7T/ArcGIS/rest/services/GetIrelandActiveActivityLocations/FeatureServer

ArcGIS REST Services Directory

Home > services > GetIrelandActiveActivityLocations (FeatureServer)

JSON

GetIrelandActiveActivityLocations (FeatureServer)

View In: Map Viewer

Service Description:

Service ItemId: c7bf354c6c0e4baa80d1eac4e500b716

Has Versioned Data: false

Max Record Count: 1000

Supported query Formats: JSON

Supports applyEdits with GlobalIds: True

Supports Shared Templates: False

Is View: true

Is Updatable View: true

Source Schema Changes Allowed: true

Sources

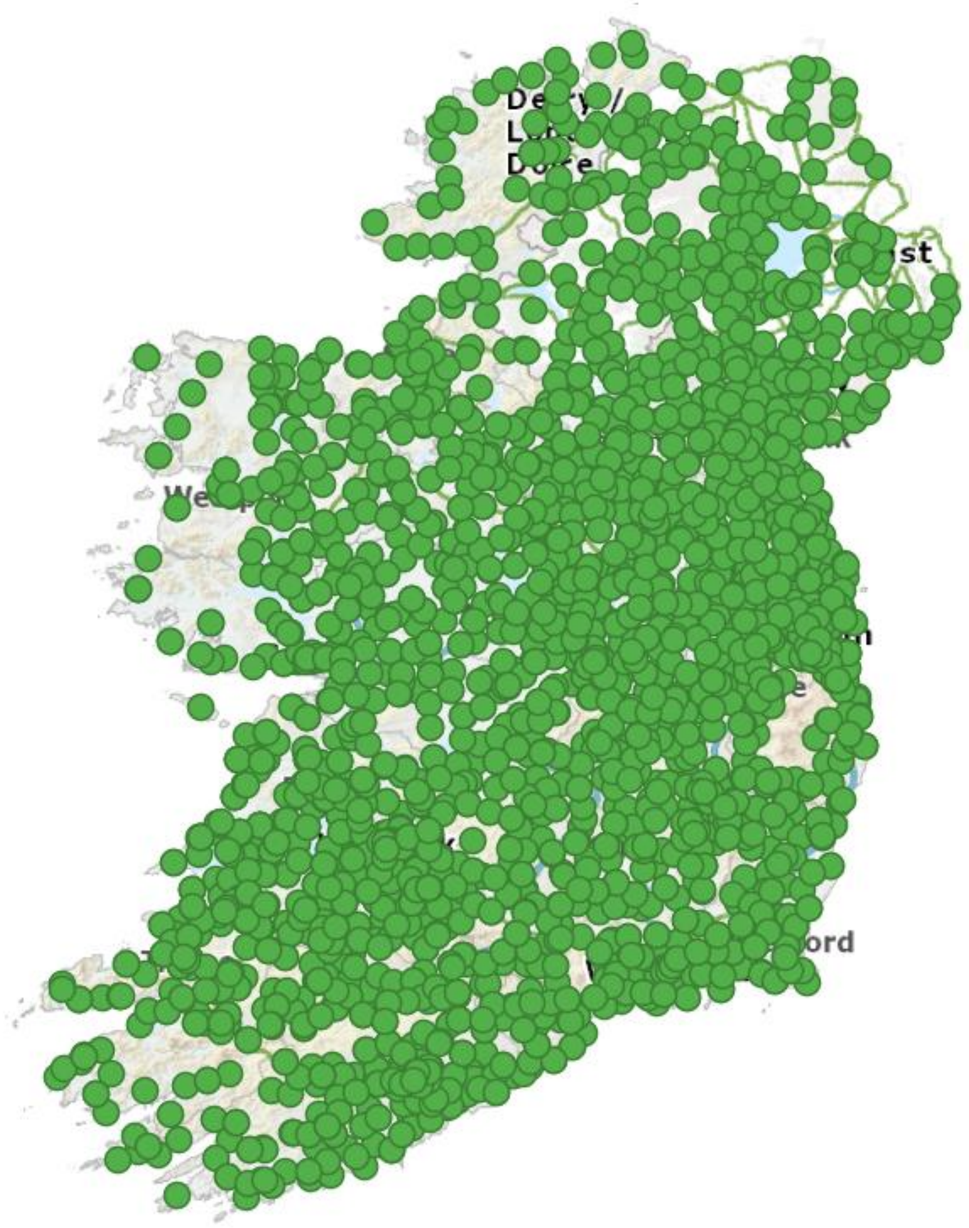
All Layers and Tables

Layers:

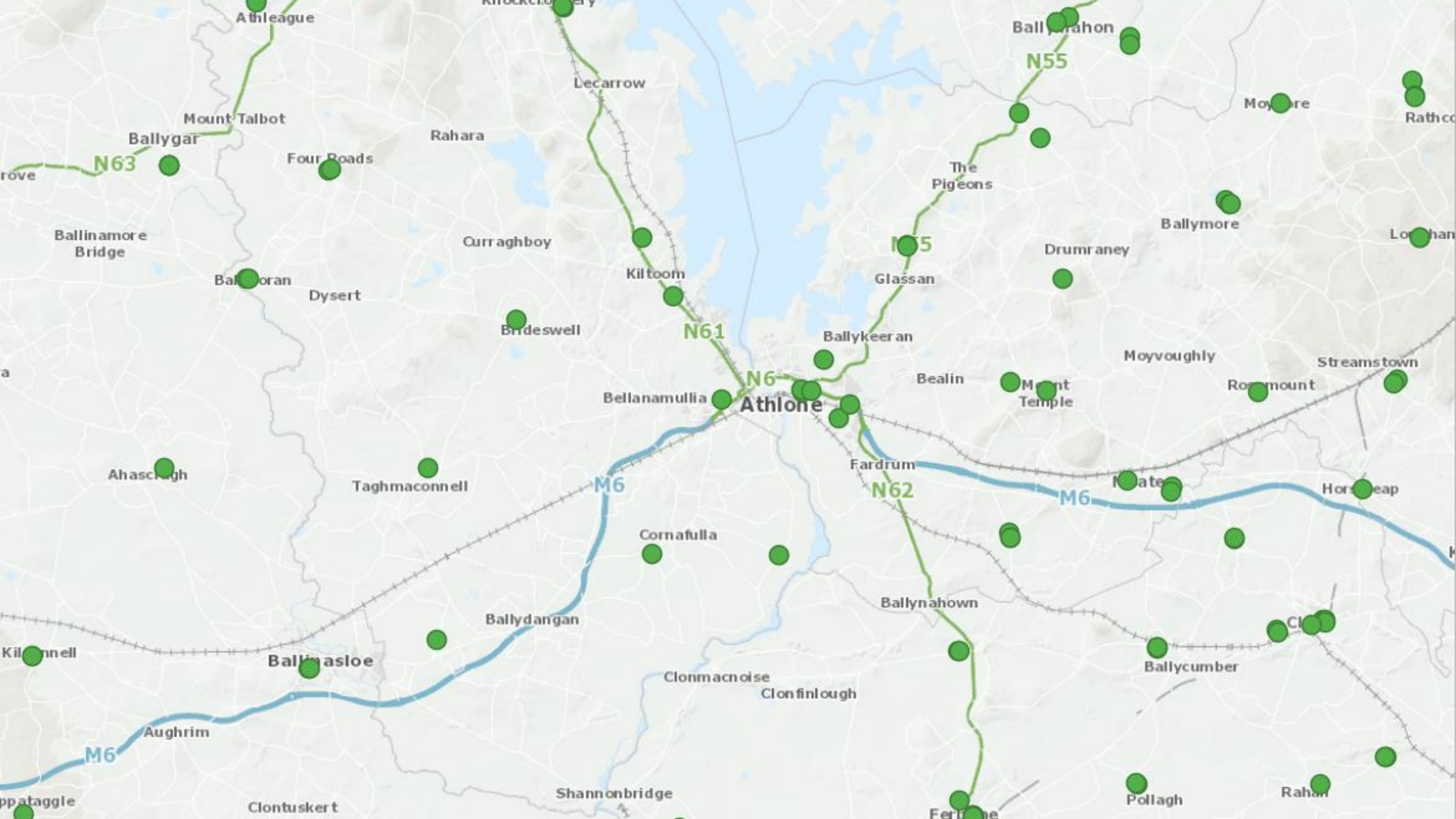
- ProdETLStage3 (0)

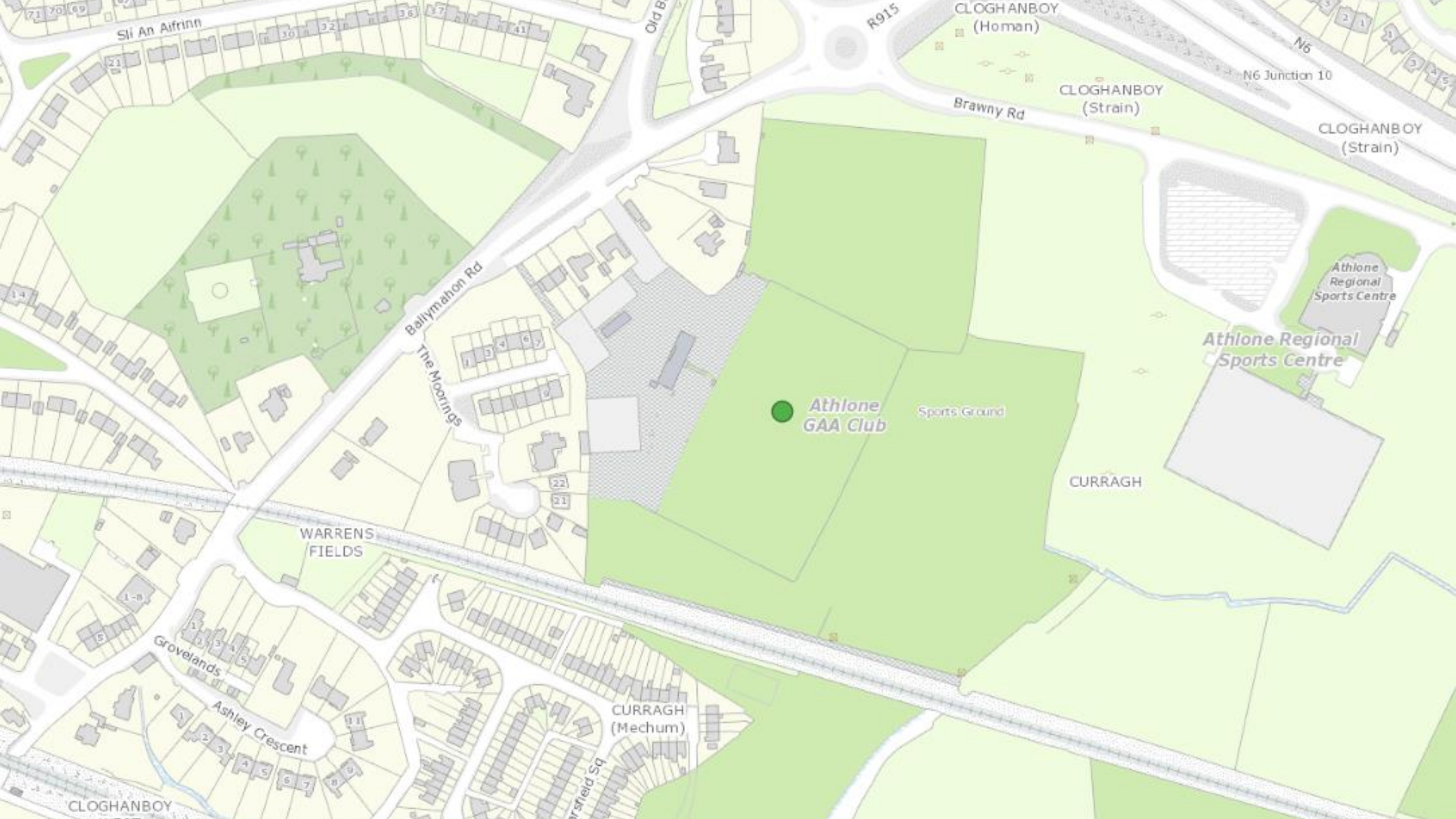
Description:

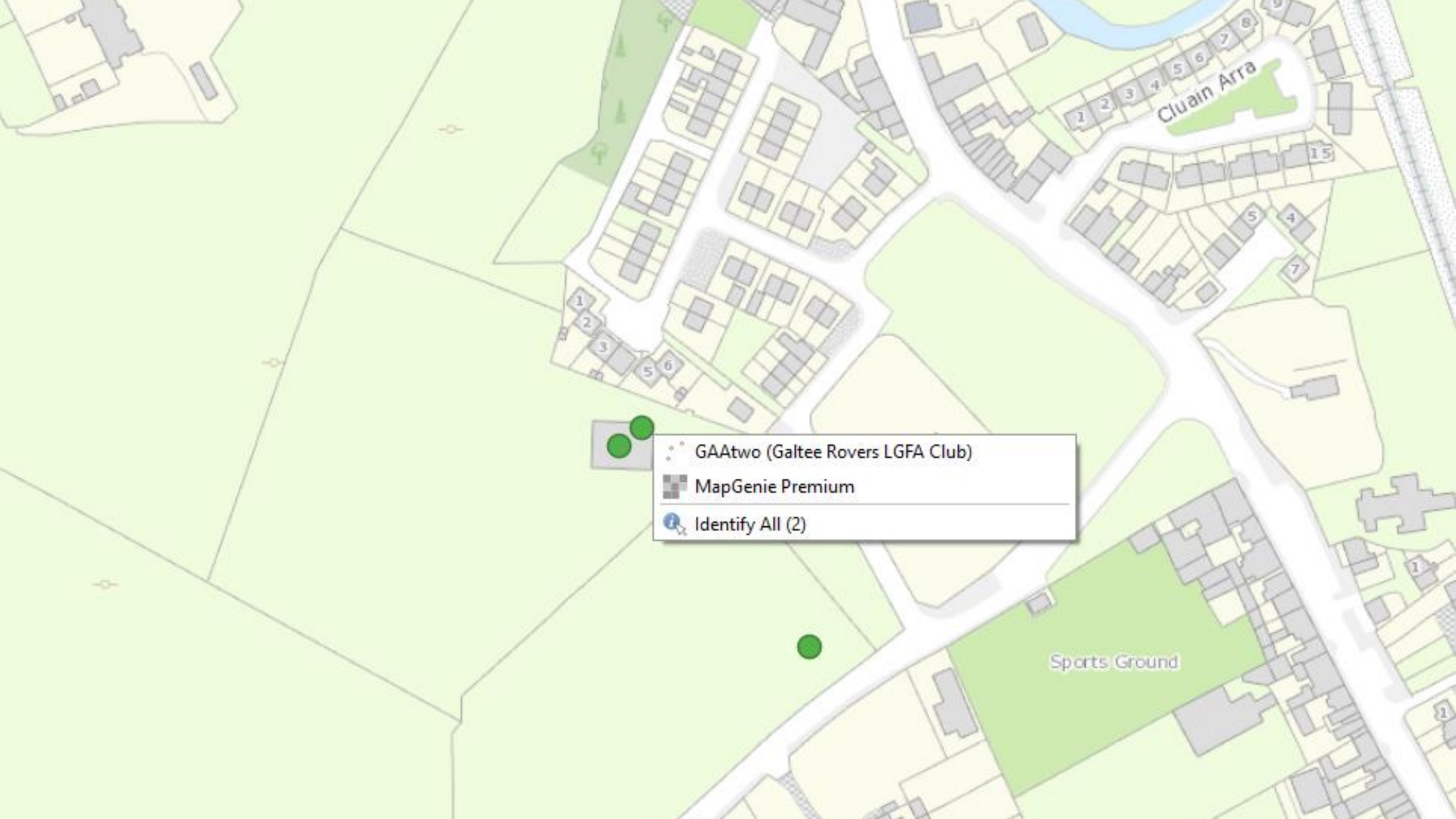
Copyright Text:

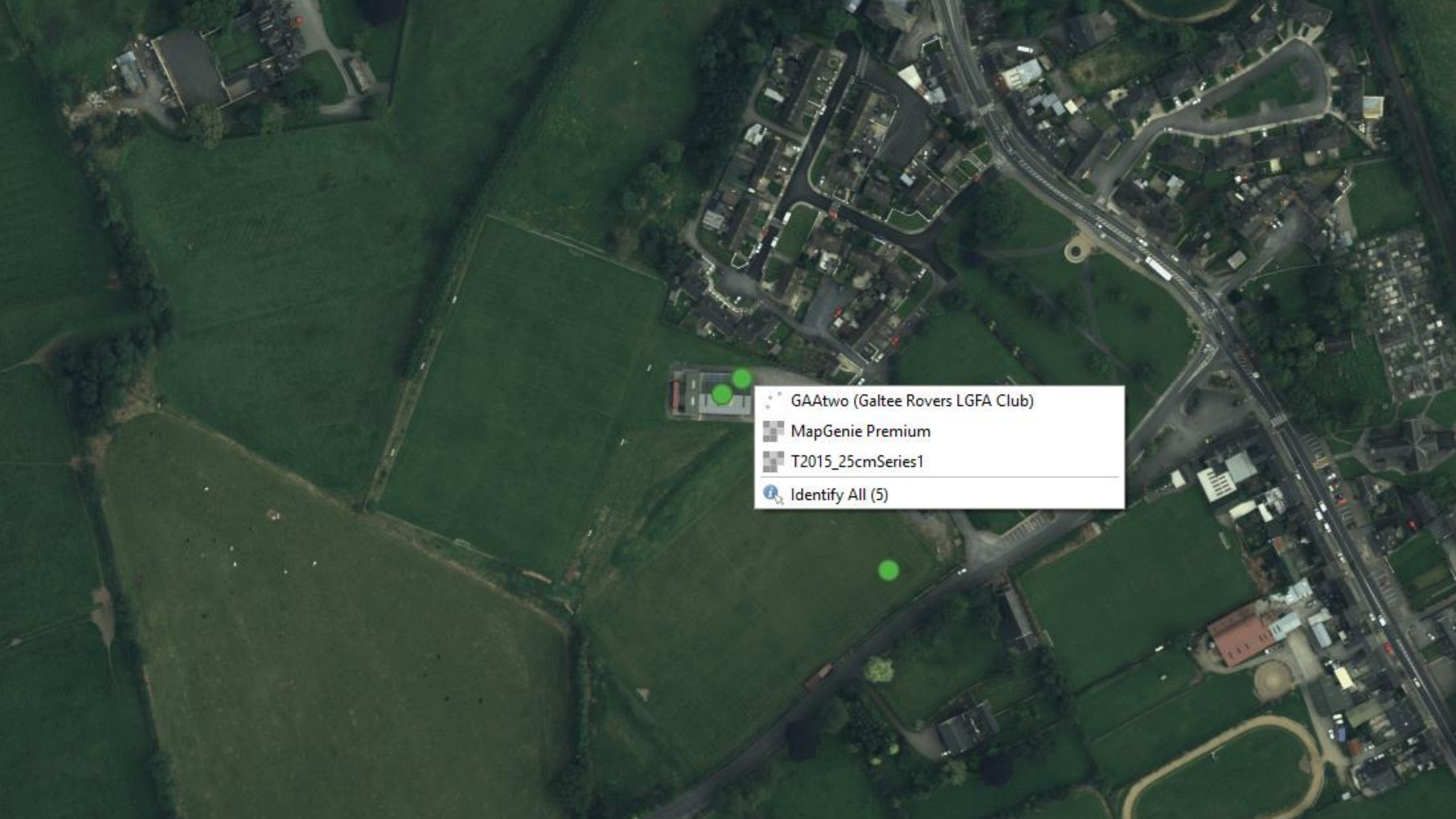



N26
Carrick
Maigh Cuilinn
Spidéal
N1
M6
M4
M3
M7
M8
New Ross
N21


Athleague
Lecarrow
Mount Talbot
Ballygar
N63
Four Roads
Rahara
Ballinamore Bridge
Curraghboy
Kiltoom
N61
Dysert
Brideswell
Glassan
N55
The Pigeons
Drumraney
Ballymore
Ballykeeran
N6
Bellanamullia
Athlone
Bealin
Moyvoughly
Streamstown
Fardrum
N62
M6
Ahascragh
Taghmaconnell
Cornafulla
Ballydangan
Ballinasloe
Ballynahown
Ballycumber
Clonmacnoise
Clonfinlough
Aughrim
Shannonbridge
Clontuskert
Pollagh


Sli An Aifrinn
Old Bal
R915
CLOGHANBOY
(Homan)
N6
N6 Junction 10
CLOGHANBOY
(Strain)
Brawny Rd
CLOGHANBOY
(Strain)
Athlone
Regional
Sports Centre
Athlone Regional
Sports Centre
Ballymahon Rd
The Moorings
Athlone
GAA Club
Sports Ground
CURRAGH
WARRENS
FIELDS
Grovelands
Ashley Crescent
CURRAGH
(Mechum)
CLOGHANBOY


Cluain Arra
Sports Ground
GAAtwo (Galtee Rovers LGFA Club)
MapGenie Premium
Identify All (2)


GAAtwo (Galtee Rovers LGFA Club)
MapGenie Premium
T2015_25cmSeries1
Identify All (5)

Data Quality Assessments

- Use Third Party Data to Check Internal Data without any plan or intention to use it for any other purpose.
  - For example, Address data which flags addresses as residential or commercial used to compare with internal TE data for Building Function.

  Found that in town centres the number of Residential properties is overstated in TE versus Address data.

  This enables us to quantify the extent of the issue

Initial Approach

Assess 3rd Party data based on ISO 19157 Data Quality Elements in a consistent way
Map 3rd party data attributes to National Map attributes.

**To be filled out before analyses for cataloguing/archiving

Dataset name

Dataset type (vector/raster/table/tile/etc)

Dataset source (organization)

Production/release date

Production details

Original dataset resolution/LOD

Original dataset attribution

Date received (DQ Team)

Main users/requestors

Main purpose

Secondary purposes

Target metrics/user requirements

Date analysed

Metrics analysed

**To be filled automatically?

Results. Assessment on metrics below will depend on data specifications/user requirements. Normally tables. *can be also reported as metadata - xml:

- **Completeness**
  - Commission errors
    - Excess item
    - Number of excess items
    - Rate of excess items
    - Number of duplicate feature instances
  - Omission
    - Missing item
    - Number of missing items
    - Rate of missing items
- **Logical consistency**
  - Conceptual consistency
    - Conceptual schema non-compliance
    - Conceptual schema compliance
    - Value domain conformance
    - Number of items not in conformance with their value domain
    - Value domain conformance rate
    - Value domain non-conformance rate
  - Format consistency
    - Physical structure conflicts
    - Physical structure conflicts number
    - Physical structure conflict rate
  - Topological consistency
    - Number of faulty point-curve connections
    - Rate of faulty point-curve connections
    - Number of missing connections due to undershoots
    - Number of missing connections due to overshoots
    - Number of invalid slivers
    - Number of invalid self-intersect errors
    - Number of invalid self-overlap errors
- **Positional accuracy**
  - Absolute or external accuracy
    - Mean value of positional uncertainties
    - Bias of positions
    - Mean value of positional uncertainties excluding outliers
    - Number of positional uncertainties above a given threshold
    - Rate of positional errors above a given threshold
    - Covariance matrix
    - RMSE (Vertical)
    - RMSE (planimetry)
    - Relative vertical error
    - Relative horizontal error
- **Temporal quality**
  - Time accuracy
  - Temporal consistency
    - Chronological order
  - Temporal validity (to be treated as part of the Domain consistency)
- **Thematic accuracy**
  - Classification correctness
    - Number of incorrectly classified features
    - Misclassification rate
    - Misclassification matrix
    - Relative misclassification matrix
    - Kappa coefficient
  - Non-quantitative attribute correctness

Logical consistency

- Conceptual consistency
- Conceptual schema non-compliance
- Conceptual schema compliance
- Number of items not compliant with the rules of the conceptual schema
- Number of invalid overlaps of surfaces
- Non-compliance rate with respect to the rules of the conceptual schema
- Compliance rate with the rules of the conceptual schema

Domain consistency

- Value domain non-conformance
- Value domain conformance
- Number of items not in conformance with their value domain
- Value domain conformance rate
- Value domain non-conformance rate

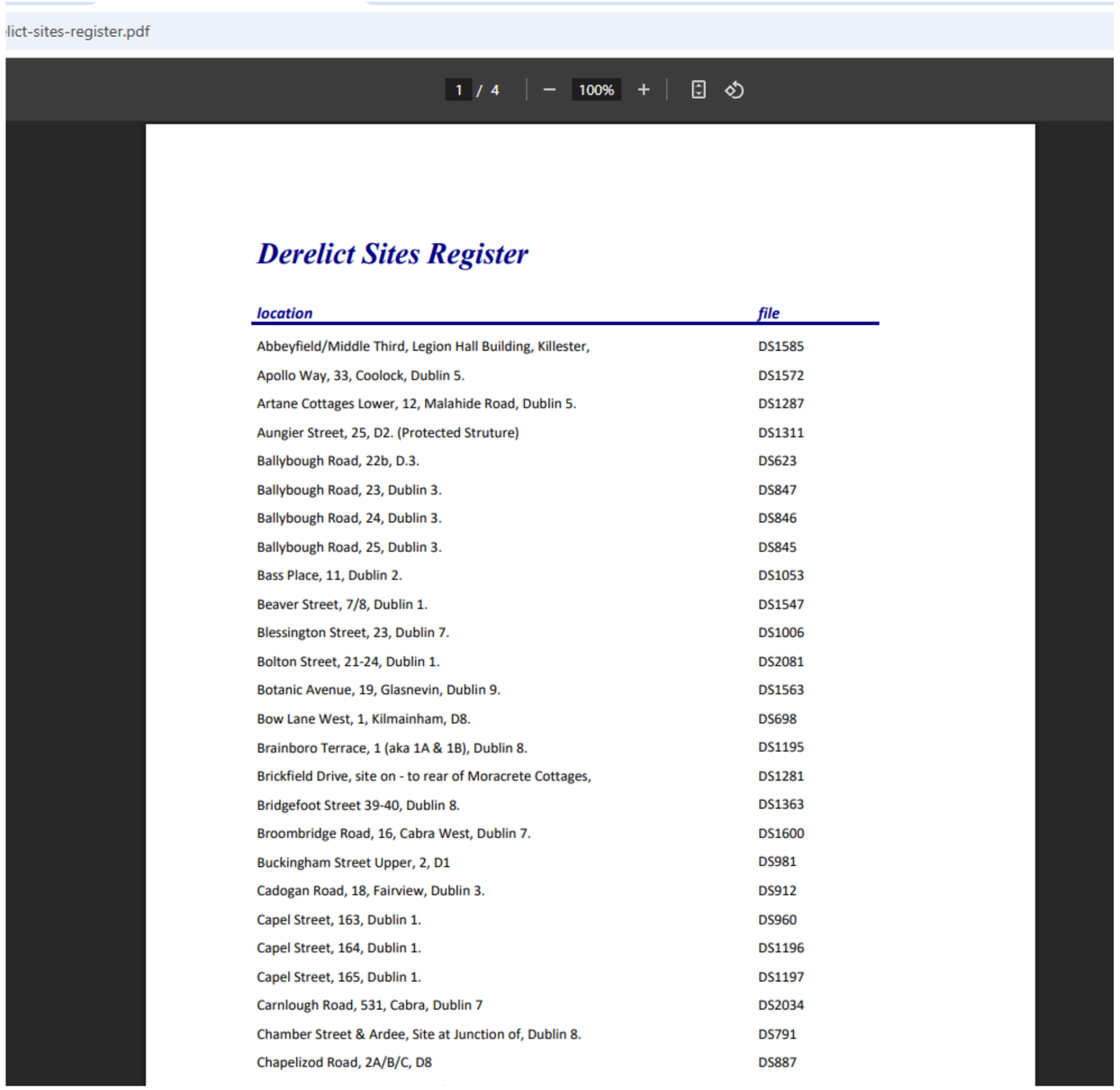
TE Large Scale Data

Descriptive attributes, geometry attributes, several timestamps, several metadata attributes

GUID NOT NULL VARCHAR2(38)
GMS_JOB_ID NUMBER
CAPTURE_SPECIFICATION NUMBER
FORM_ID NOT NULL NUMBER
FORM_CAPTURE_DATE NOT NULL DATE
FORM_CAPTURE_SOURCE NOT NULL NUMBER
FORM_CHANGE_CODE NOT NULL NUMBER
FORM_CHANGE_DATE NOT NULL DATE
FORM_VALIDATION_AUTH NUMBER
FORM_VALIDATION_DATE DATE
FUNC_ID NUMBER
FUNC_CAPTURE_DATE DATE
FUNC_CAPTURE_SOURCE NUMBER
FUNC_CHANGE_CODE NUMBER
FUNC_CHANGE_DATE DATE
FUNC_VALIDATION_AUTH NUMBER
FUNC_VALIDATION_DATE DATE
POLY_GEOM_VALUE SDO_GEOMETRY()
POLY_GEOM_CAPTURE_DATE NOT NULL DATE
POLY_GEOM_CAPTURE_SOURCE NOT NULL NUMBER
POLY_GEOM_CHANGE_CODE NOT NULL NUMBER
POLY_GEOM_CHANGE_DATE NOT NULL DATE
POLY_GEOM_CAPTURE_METHOD NUMBER
POLY_GEOM_CAPTURE_RESOLUTION NOT NULL NUMBER
POLY_GEOM_HEIGHT_ERR_VALUE NUMBER
POLY_GEOM_VALIDATION_AUTH NUMBER
POLY_GEOM_VALIDATION_DATE DATE
ENGLISH_NAME_VALUE VARCHAR2(250)
ENGLISH_NAME_CAPTURE_DATE DATE
ENGLISH_NAME_CAPTURE_SOURCE NUMBER
ENGLISH_NAME_CHANGE_CODE NUMBER
ENGLISH_NAME_CHANGE_DATE DATE
ENGLISH_NAME_VALIDATION_AUTH NUMBER
ENGLISH_NAME_VALIDATION_DATE DATE
IRISH_NAME_VALUE VARCHAR2(250)
IRISH_NAME_CAPTURE_DATE DATE
IRISH_NAME_CAPTURE_SOURCE NUMBER
IRISH_NAME_CHANGE_CODE NUMBER
IRISH_NAME_CHANGE_DATE DATE
IRISH_NAME_VALIDATION_AUTH NUMBER
IRISH_NAME_VALIDATION_DATE DATE
STATUS_ID NOT NULL NUMBER
STATUS_CAPTURE_DATE NOT NULL DATE
STATUS_CAPTURE_SOURCE NOT NULL NUMBER
STATUS_CHANGE_CODE NOT NULL NUMBER
STATUS_CHANGE_DATE NOT NULL DATE
STATS_VALIDATION_AUTH NUMBER
STATUS_VALIDATION_DATE DATE
Z_ORDER_VALUE NOT NULL NUMBER
Z_ORDER_CAPTURE_DATE NOT NULL DATE
Z_ORDER_CAPTURE_SOURCE NOT NULL NUMBER
Z_ORDER_CHANGE_CODE NOT NULL NUMBER
Z_ORDER_CHANGE_DATE NOT NULL DATE
Z_ORDER_VALIDATION_AUTH NUMBER
Z_ORDER_VALIDATION_DATE DATE

3rd Party Data

Abbeyfield/Middle Third, Legion Hall Building, Killester DS1585
Apollo Way, 33, Coolock, Dublin 5. DS1572
Artane Cottages Lower, 12, Malahide Road, Dublin 5. DS1287
Aungier Street, 25, D2. (Protected Struture) DS1311
Ballybough Road, 22b, D.3. DS623
Ballybough Road, 23, Dublin 3. DS847
Ballybough Road, 24, Dublin 3. DS846
Ballybough Road, 25, Dublin 3. DS845
Bass Place, 11, Dublin 2. DS1053
Beaver Street, 7/8, Dublin 1. DS1547
Blessington Street, 23, Dublin 7. DS1006



Derelict Sites Register

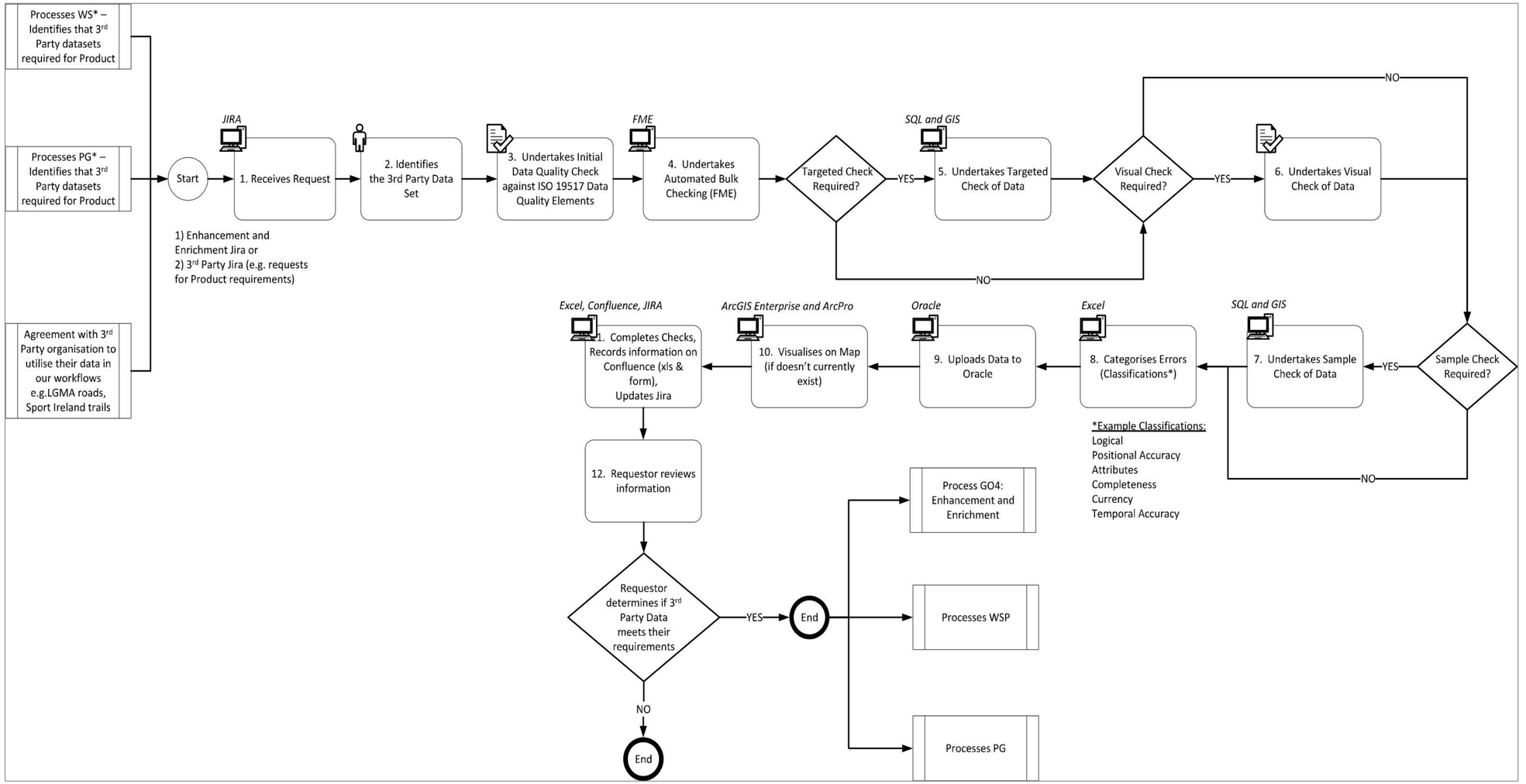
location	*file*
Abbeyfield/Middle Third, Legion Hall Building, Killester,	DS1585
Apollo Way, 33, Coolock, Dublin 5.	DS1572
Artane Cottages Lower, 12, Malahide Road, Dublin 5.	DS1287
Aungier Street, 25, D2. (Protected Struture)	DS1311
Ballybough Road, 22b, D.3.	DS623
Ballybough Road, 23, Dublin 3.	DS847
Ballybough Road, 24, Dublin 3.	DS846
Ballybough Road, 25, Dublin 3.	DS845
Bass Place, 11, Dublin 2.	DS1053
Beaver Street, 7/8, Dublin 1.	DS1547
Blessington Street, 23, Dublin 7.	DS1006
Bolton Street, 21-24, Dublin 1.	DS2081
Botanic Avenue, 19, Glasnevin, Dublin 9.	DS1563
Bow Lane West, 1, Kilmainham, D8.	DS698
Brainboro Terrace, 1 (aka 1A & 1B), Dublin 8.	DS1195
Brickfield Drive, site on - to rear of Moracrete Cottages,	DS1281
Bridgefoot Street 39-40, Dublin 8.	DS1363
Broombridge Road, 16, Cabra West, Dublin 7.	DS1600
Buckingham Street Upper, 2, D1	DS981
Cadogan Road, 18, Fairview, Dublin 3.	DS912
Capel Street, 163, Dublin 1.	DS960
Capel Street, 164, Dublin 1.	DS1196
Capel Street, 165, Dublin 1.	DS1197
Carnlough Road, 531, Cabra, Dublin 7	DS2034
Chamber Street & Ardee, Site at Junction of, Dublin 8.	DS791
Chapelizod Road, 2A/B/C, D8	DS887

Failure to launch!

Flexible Heuristic Approach

- Enabling someone to discover or learn something for themselves.
- Proceeding to a solution by trial and error or by rules that are only loosely defined.

3rd Party Workflow



Steps

1. Identify 3rd Party Data
2. Take a 1st look at the 3rd Party Data
3. Carry out assessment
4. Publish Outputs

1. Identify 3rd Party Data

Internal users identify Dataset they require. For example for Basemaps, or Paper Travel and Leisure Products.

2. Take a 1st look at the 3rd Party Data

File Ref:	Location:	Eircode:	Date of Entry:	Market Value of land
DS 36	Site of former Cloonabinnia Hotel, Cloonabinnia, Moycullen, Co. Galway.	H91 RD98	30/06/2022	€300,000
DS 245	Main Street Clarinbridge, Co. Galway	H91TDK6	08/07/2024	
DS 247	The Hop Inn, Davis Street, Athenry Co. Galway	H65 EC44	23/08/2024	€285,000
DS 248	Kelly Street Loughrea, Co. Galway	H62 X368	02/01/2025	
DS 251	The Green, Dunmore Co. Galway	Unknown	25/02/2025	

WindFarmsJune2022_ITM — Features Total: 313, Filtered: 313, Selected: 0

	Windfarm_N	DSO_TSO	Connection	County	Present_St	Installed_	MEC__MW_	Gate	F110kV_Nod	Target_Con	Date_of_Co	Year_of_Co	Nat_Grid_E
1	Bellacorrick Wind Farm	DSO	DG955	Mayo	Connected	0	6.45000000000	Pre-Gate	Bellacorick	01/10/1992	01/10/1992	1992	98670.000000
2	Corrie Mt.	DSO	DG961	Leitrim	Connected	0	4.80000000000	Pre-Gate	Arigna	NULL	01/03/1997	1997	190043.000000
3	Mount Cronalaght	DSO	DG974	Donegal	Connected	0	4.98000000000	Pre-Gate	Letterkenny	01/07/1997	01/07/1997	1997	186118.000000
4	Golagh (1)	TSO	P25	Donegal	Connected	15.00000000000	15.00000000000	Pre-Gate	Golagh 110 kV	NULL	01/07/1997	1997	203554.000000
5	Drumlough Hill Wind Farm	DSO	DG920	Donegal	Connected	0	4.80000000000	Pre-Gate	Trillick	01/08/1997	01/08/1997	1997	235797.000000
6	Kilronan	DSO	DG970	Roscommon	Connected	0	5.00000000000	Pre-Gate	Arigna	NULL	01/12/1997	1997	190440.000000
7	Cark	DSO	DG42a	Donegal	Connected	0	15.00000000000	Pre-Gate	Letterkenny	01/12/1997	01/12/1997	1997	206669.000000
8	Spion Kop Wind Farm	DSO	DG978	Leitrim	Connected	0	1.20000000000	Pre-Gate	Arigna	01/12/1997	01/12/1997	1997	191010.000000
9	Crockahenny	DSO	DG962	Donegal	Connected	0	5.00000000000	Pre-Gate	Trillick	01/04/1998	01/04/1998	1998	246523.000000
10	Knock South Wind Farm (Inverin)	DSO	DG923	Galway	Connected	0	2.64000000000	Pre-Gate	Screeb	NULL	01/01/1999	1999	108757.000000
11	Knock South Wind Farm (2)	DSO	DG923x	Galway	Connected	0	0.69	Pre-Gate	Screeb	NULL	15/02/1999	1999	108700.000000
12	Currabwee Wind Farm	DSO	DG964	Cork	Connected	0	4.62000000000	Pre-Gate	Dunmanway	NULL	01/11/1999	1999	122500.000000
13	Milane Hill Wind Farm	DSO	DG973	Cork	Connected	0	5.94000000000	Pre-Gate	Dunmanway	01/09/2000	01/09/2000	2000	116200.000000
14	Anarget Wind Farm (1)	DSO	ZG937	Donegal	Connected	0	1.98000000000	Pre-Gate	Cathaleens Fall	01/09/2000	01/09/2000	2000	189209.000000
15	Beenageeha Wind Farm	DSO	DG954	Kerry	Connected	0	3.96000000000	Pre-Gate	Tralee	01/10/2000	01/10/2000	2000	93400.000000
16	Largan Hill	DSO	DG971	Roscommon	Connected	0	5.94000000000	Pre-Gate	Tonroe	01/11/2000	01/11/2000	2000	162790.000000
17	Tursillagh Wind Farm	DSO	DG941	Kerry	Connected	0	15.00000000000	Pre-Gate	Tralee	01/11/2000	01/11/2000	2000	91158.000000
18	Beale Hill (1)	DSO	DG409	Kerry	Connected	0	1.65000000000	Pre-Gate	Trien	07/11/2000	07/11/2000	2000	89272.000000
19	Culliagh Wind Farm (Meenbog)	DSO	DG963	Donegal	Connected	0	11.88000000000	Pre-Gate	Letterkenny	05/12/2000	05/12/2000	2000	207466.000000
20	CORNEEN Wind Farm	DSO	DG960	Cavan	Connected	0	3.00000000000	Pre-Gate	Gortawee	NULL	01/08/2001	2001	223740.000000
21	Black Banks (1)	DSO	DG921X	Leitrim	Connected	0	3.40000000000	Pre-Gate	Corderry	01/09/2001	01/09/2001	2001	187300.000000
22	Carnsore Wind Farm	DSO	DG919	Wexford	Connected	0	11.90000000000	Pre-Gate	Wexford	30/08/2002	30/08/2002	2002	312107.000000
23	Kingsmountain (1)	TSO	P38A	Sligo	Connected	25.00000000000	23.75000000000	Pre-Gate	Cunghill 110 kV	NULL	01/05/2003	2003	148479.000000
24	Meenadreen Wind Farm	DSO	DG924	Donegal	Connected	0	3.40000000000	Pre-Gate	Cathaleens Fall	NULL	07/05/2003	2003	202569.000000

erties - WindFarmsJune2022_ITM — Fields

Id	Name	Alias	Type	Type name
abc 0	Windfarm_N		Text (string)	String
abc 1	DSO_TSO		Text (string)	String
abc 2	Connection		Text (string)	String
abc 3	County		Text (string)	String
abc 4	Present_St		Text (string)	String
1.2 5	Installed_		Decimal (double)	Real
1.2 6	MEC__MW_		Decimal (double)	Real
abc 7	Gate		Text (string)	String
abc 8	F110kV_Nod		Text (string)	String
abc 9	Target_Con		Text (string)	String
abc 10	Date_of_Co		Text (string)	String
abc 11	Year_of_Co		Text (string)	String
1.2 12	Nat_Grid_E		Decimal (double)	Real
1.2 13	Nat_Grid_N		Decimal (double)	Real
abc 14	Type		Text (string)	String

Assigned Coordinate Reference System (CRS)

EPSG:2157 - IRENET95 / Irish Transverse Mercator

Changing this option does not modify the original data s
detected or has been incorrectly detected.

The Processing "*Reproject Layer*" tool should be used to reproject

Layer: SMR_Located (ID:3)

View In: Map Viewer

Name: SMR_Located

Display Field: ENTITY_ID

Type: Feature Layer

Geometry Type: esriGeometryPoint

Description: SMR_Located: SMR records where the precise location (or site of original location) is known. Please note the SMR is continually updated as research and discovery is continuous.

Copyright Text: National Monuments Service

Min. Scale: 1000000

Max. Scale: 0

Default Visibility: true

Max Record Count: 2000

Supported query Formats: JSON, geoJSON, PBF

Use Standardized Queries: True

Extent:

XMin: 420601
YMin: 520198
XMax: 734380
YMax: 965456
Spatial Reference: 2157 (2157)

Return True Curves: ○ True ◉ False

Return Exceeded Limit Features: ◉ True ○ False

Quantization Parameters:

SQL Format: none

Format: HTML

Query (GET) Query (POST)

Count: 140006

Relation:	
Return Geodetic:	○ True ◉ False
Out Fields:	CLASS_CODE
Return Geometry:	◉ True ○ False
Feature Encoding:	esriDefault
Geometry MultiPatch Option:	xyFootprint
Max Allowable Offset:	
Geometry Precision:	
Output Spatial Reference:	
Default Spatial Reference:	
Datum Transformation:	
Apply VCS Projection:	○ True ◉ False
Return IDs Only:	○ True ◉ False
Return Unique IDs Only:	○ True ◉ False
Return Count Only:	◉ True ○ False
Return Extent Only:	○ True ◉ False
Return Query Geometry:	○ True ◉ False
Return Distinct Values:	◉ True ○ False

Return True Curves:	○ True ◉ False
Return Exceeded Limit Features:	◉ True ○ False
Quantization Parameters:	
SQL Format:	none
Format:	HTML

Query (GET) Query (POST)

Count: 473

3. Carry out assessment

**To be filled out before analyses for cataloguing/archiving

Dataset name

Dataset type (vector/raster/table/tile/etc)

Dataset source (organization)

Production/release date

Production details

Original dataset resolution/LOD

Original dataset attribution

Date received (DQ Team)

Main users/requestors

Main purpose

Secondary purposes

Target metrics/user requirements

Date analysed

Metrics analysed

**To be filled automatically?

Results. Assessment on metrics below will depend on data specifications/user requirements. Normally tables. *can be also reported as metadata - xml:

- **Completeness**
  - Commission errors
    - Excess item
    - Number of excess items
    - Rate of excess items
    - Number of duplicate feature instances
  - Omission
    - Missing item
    - Number of missing items
    - Rate of missing items
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  - Conceptual consistency
    - Conceptual schema non-compliance
    - Conceptual schema compliance
    - Number of items not compliant with the rules of the conceptual schema
    - Number of invalid overlaps of surfaces
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    - Number of incorrectly classified features
    - Misclassification rate
    - Misclassification matrix
    - Relative misclassification matrix
    - Kappa coefficient
  - Non-quantitative attribute correctness
    - Number of incorrect attribute values
    - Rate of correct attribute values
    - Rate of incorrect attribute values
  - Quantitative attribute accuracy
    - To be further explored
- **Aggregation measures**
  - Data product specification passed

**To be filled out before analyses for cataloguing/archiv

Dataset name

Dataset type (vector/raster/table/tile/etc)

Dataset source (organization)

Production/release date

Production details

Original dataset resolution/LOD

Original dataset attribution

Date received (DQ Team)

Main users/requestors

Main purpose

Secondary purposes

Target metrics/user requirements

Date analysed

Metrics analysed

**To be filled automatically?

Results. Assessment on metrics below will depend on data specifications/user requirements. Normally tables. *can be also reported as metadata - xml:

- **Completeness**
  - Commission errors
    - Excess item
    - Number of excess items
    - Rate of excess items
    - Number of duplicate feature instances
  - Omission
    - Missing item
    - Number of missing items
    - Rate of missing items
- **Logical consistency**
  - Conceptual consistency
    - Conceptual schema non-compliance
    - Conceptual schema compliance
    - Number of items not compliant with the rule he conceptual schema
    - Number of invalid overlaps of surfaces
    - Non-compliance rate with respect to th es of the conceptual schema
    - Compliance rate with the rules of th ceptual schema
  - Domain consistency
    - Value domain non-conformance
    - Value domain conformance
    - Number of items not in c mance with their value domain
    - Value domain conform rate
    - Value domain non- rmance rate
  - Format consistency
    - Physical struct conflicts
    - Physical st e conflicts number
    - Physical cture conflict rate
  - Topological c tency
    - N of faulty point-curve connections
    - of faulty point-curve connections
    - umber of missing connections due to undershoots
    - Number of missing connections due to overshoots
    - Number of invalid slivers
    - Number of invalid self-intersect errors
    - Number of invalid self-overlap errors
- **itional accuracy**
  - Absolute or external accuracy
    - Mean value of positional uncertainties
    - Bias of positions
    - Mean value of positional uncertainties excluding outliers
    - Number of positional uncertainties above a given threshold
    - Rate of positional errors above a given threshold
    - Covariance matrix
    - RMSE (Vertical)
    - RMSE (planimetry)
    - Relative vertical error
    - Relative horizontal error
- **poral quality**
  - Time accuracy
  - mporal consistency
    - Chronological order
  - Te l validity (to be treated as part of the Domain consistency)
- **Thematic acc**
  - Classifica orrectness
    - Nu of incorrectly classified features
    - Misclas tion rate
    - Misclassifi n matrix
    - Relative misc ication matrix
    - Kappa coefficie
  - Non-quantitative attribute rectness
    - Number of incorrect a te values
    - Rate of correct attribute
    - Rate of incorrect attribute va
  - Quantitative attribute accuracy
    - To be further explored
- **Aggregation measures**
  - Data product specification passed

	A	B
1	Feature Class	
2	Number of Features	
3	Use	
4	Supplier	
5	Source	
6	Source Type	
7	License	
8	Structured Metadata Available	
9	Geometry Type	
10	Co-ordinate Reference Sytem	
11	Publication Date	
12	Equivlient Prime 2 Concept	
13	Equivilent Prime2 Class	
14	Number of Descriptive Attributes	
15	Number of Metadata Attributes	
16	Number of Geometry Attributes	
17	Attribtes which could be mapped to Prime 2 Descriptive Attributes	
18	Prime2 Descriptive Attributes which can be mapped to	
19	Prime2 Descriptive Attributes which cannot be mapped to	
20	Prime2 Geometry Attributes which can be mapped to	
21	Prime2 Geometry Attributes which cannot be mapped to	
22	Has unique Indentifiers/GUIDs	
23	Features Checked	
24	Targeted	
25	Random	
26	**ISSUES found from checks**	
27	Logical Consistency	
28	Positional Accuracy	
29	Completeness (Commission)	
30	Completeness (Omission)	
31	Thematic accuracy	
32	**ISSUES found follow further investigation**	
33	Completeness (Omission)	
34	**Remarks**	
35	Completeness	
36	Logical Consistency	
37	Positional accuracy	
38	Temporal accuracy	
39	Thematic accuracy	
40	Usability	

Feature Class
Number of Features
Use
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Source Type
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ISSUES found from checks
Logical Consistency
Positional Accuracy
Completeness (Commission)
Completeness (Omission)
Thematic accuracy
ISSUES found follow further investigation
Completeness (Omission)
Remarks
Completeness
Logical Consistency
Positional accuracy
Temporal accuracy
Thematic accuracy
Usability

Completeness

Logical Consistency

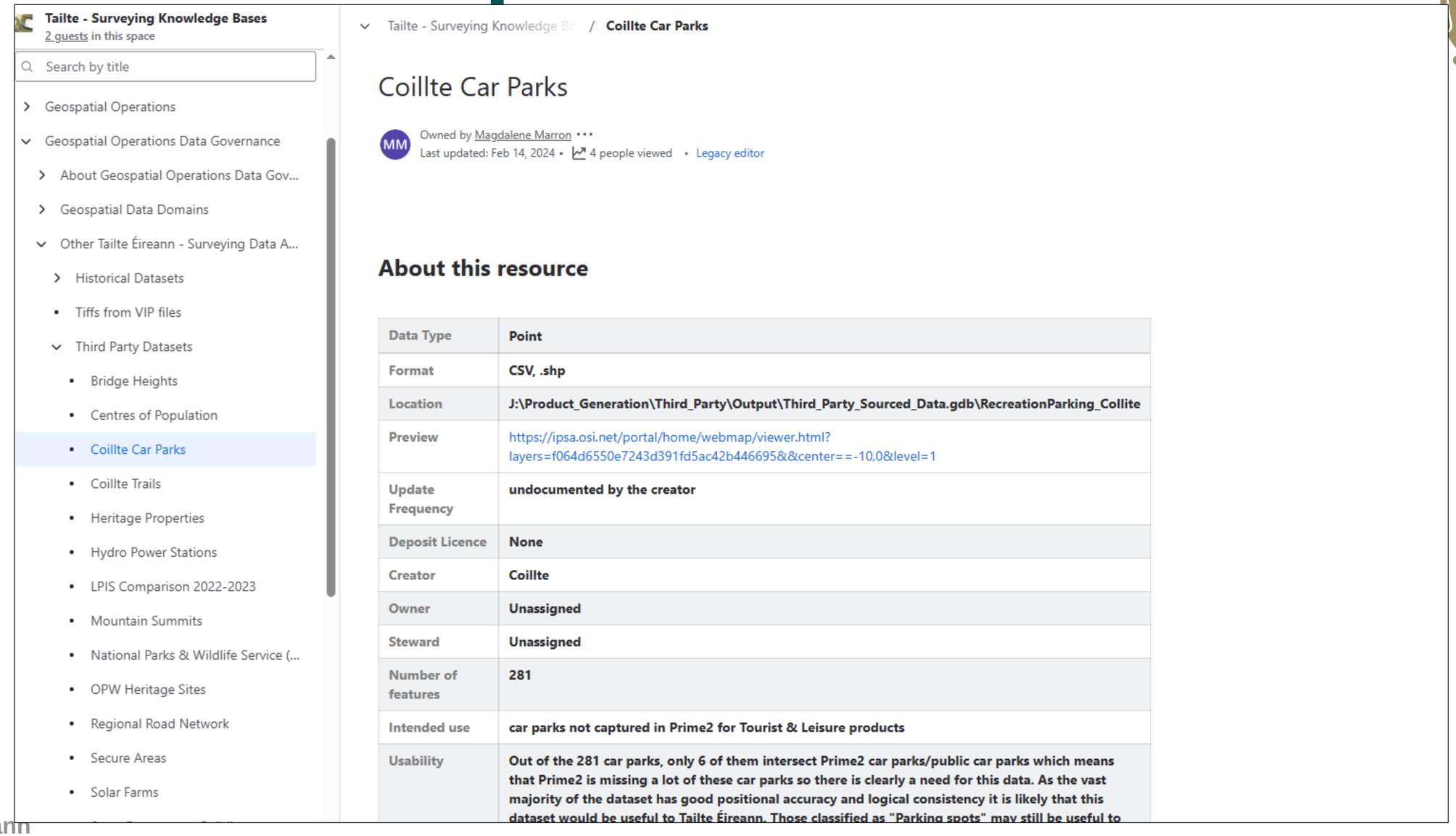
Positional accuracy

Temporal accuracy

Thematic accuracy

Usability

4. Publish Outputs



Intro

Everyone has a story to tell and we are no different. This is the description of a particular policy that we will be sharing with you and the Open Data behind it.

Go to the Data

Bridge Heights

Prime2 currently does not include a clearance metric for Bridges, however there is a max height value in Prime 2 ways. While the Irish Rail dataset does have some minor issues regarding positional accuracy, logical consistency, thematic accuracy and completeness, overall the quality of the data appears to be quite good and could be a valuable source for bridge clearance heights if this information was to be added to Prime 2 in the future.

OPEN ANALYSIS | OPEN WEBMAP

Centres of Population

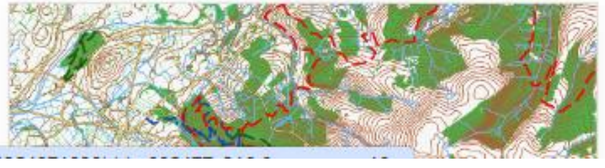
This dataset has several issues with completeness, accuracy and consistency. Several settlements included in a CSO data of built-up areas are not included in this dataset while the dataset also includes features which are not nucleated settlements. Positional accuracy is also inconsistent with the point often being some distance from what could be considered the centre of a town or village. This dataset needs to be vastly improved or replaced before use in any product.

OPEN ANALYSIS | OPEN WEBMAP

Coillte Car Parks

Out of the 281 car parks, only 6 of them intersect Prime2 car parks/public car parks which means that Prime2 is missing a lot of these car parks so there is clearly a need for this data. As the vast majority of the dataset has good positional accuracy and logical consistency it is likely that this dataset would be useful to Tailte Éireann. Those classified as "Parking spots" may still be useful to the Product Generation team.

OPEN ANALYSIS | OPEN WEBMAP



SOE

LPIS Comparison 2022-2023


Untitled map
Open in Map Viewer Classic
Layers
COILLTE_RECREATION_PARKING
Add layer
Derry / Londonderry / Doire
Omagh
Belfast
Lisburn
Sligo
Newry
Cavan
Dundalk
Westport
Athlone
Dublin
Galway
Newbridge
Ennis
Limerick
Kilkenny
Tralee
Waterford
Cork

Main Ongoing Challenges

- Integrating with other parts of the organization
- Skill experience and confidence needed to carry out assessment

Conclusion

- A very formalized approach to 3rd party data assessments wouldn’t work in Irish context because data is so varied in quality, detail and format.
- A flexible approach using ISO 19157 Data Quality Elements as a framework worked better us