

Query Layers

Creating Queries in ArcGIS

Allegan County GIS
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0.1 Create Query in ArcGIS to SQL Database

0.1.1 Add Query Layer

In ArcMap:

Open the New Query Layer Dialog

Go to File Add Data Add Query Layer In the connection dropdown select your connection

NOTE

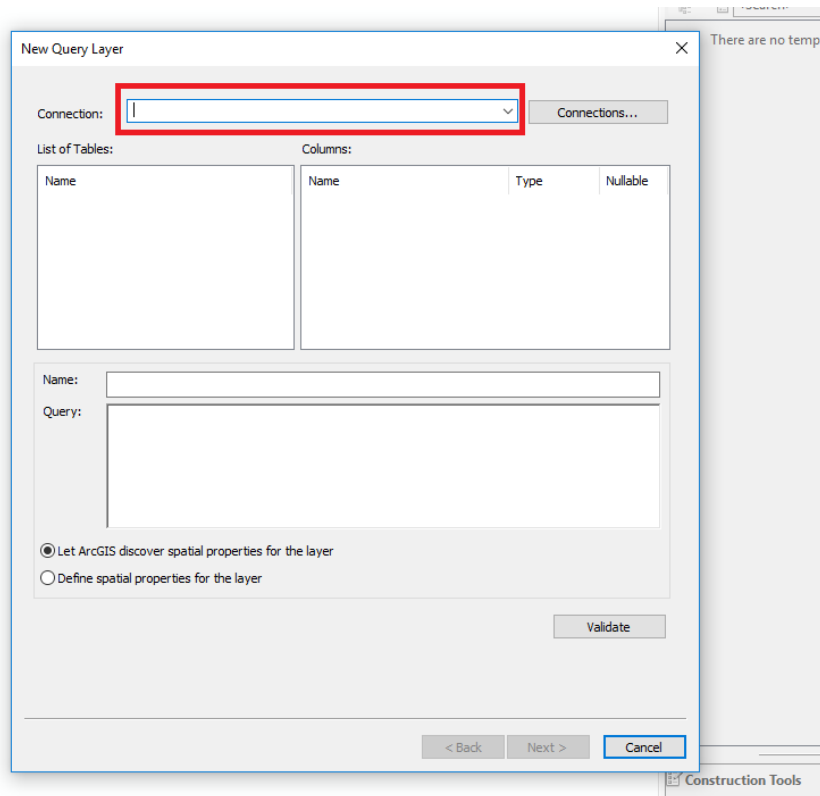


Figure 1: New Query Layer Dialog

0.1.2 Details of the Query Layer

Enter into the tool

- Choose connection
- Name the query
- Enter SQL query
- Press Next

New Query Layer

Connection: Connection to shagbark.sde

Connections...

List of Tables:

Name
D001COUNTY WEB 18.dbo._DBACTIVI
D001COUNTY WEB 18.dbo.Agricultura
D001COUNTY WEB 18.dbo.AnalysisFilt
D001COUNTY WEB 18.dbo.Application
D001COUNTY WEB 18.dbo.Audit
D001COUNTY WEB 18.dbo.AuditDetail
D001COUNTY WEB 18.dbo.BatchTable

Columns:

Name	Type	Nullable
------	------	----------

Name: NewQuery

Query: SELECT [prum], [ownername1], [ownerstreetaddr], [ownercity], [ownerstate], [ownerzip] FROM [D001COUNTY WEB 18].[dbo].[ParcelMaster] WHERE prim_unit = '56'

☒ Let ArcGIS discover spatial properties for the layer
☐ Define spatial properties for the layer

Validate

< Back Next > Cancel

Figure 2: Query Layer Dialog Filled

0.1.3 More Details of the Query Layer

Enter into the tool

- Select unique identifier field
- Click Finish

New Query Layer

Unique Identifier Field(s):

Name	Type	Nullable
<input checked="" type="checkbox"/> pnum	Text	No
<input type="checkbox"/> ownername1	Text	No
<input type="checkbox"/> ownerstreetaddr	Text	No
<input type="checkbox"/> ownercity	Text	No
<input type="checkbox"/> ownerstate	Text	No
<input type="checkbox"/> ownerzip	Text	No

Spatial Properties

☐ Coordinates include M values. Used to store route data.

☐ Coordinates include Z values. Used to store 3D data.

Geometry Type:

Spatial Reference:

SRID:

Figure 3: Select Unique Identifier

0.1.4 Open Results Table

Verify the Query by Looking at the Table

parcel	ownername1	ownerstreetaddr	ownercity	ownerstate	ownerzip	ESR_ORIG
56-004-001-00	WAGNER LONNIE J & EMMA	792 135TH AVE	WAYLAND	MI	49348	1
56-004-001-10	GUN LAKE COMMUNITY CHURCH	12200 WEST M-179	WAYLAND	MI	49348	2
56-004-002-00	WAYLAND UNION SCHOOLS	890 E SUPERIOR ST	WAYLAND	MI	49348	3
56-004-003-00	CITY OF WAYLAND	103 S MAIN ST	WAYLAND	MI	49348	4
56-005-001-00	CITY OF WAYLAND	103 S MAIN ST	WAYLAND	MI	49348	5
56-005-002-00	MAAS WAYLAND LLC	1845 BRIMMINGHAM DR	LOWELL	MI	49331	6
56-005-002-10	ELLIOTT BAY HEALTHCARE REALTY B	817 EASTLAKE AVE E	SEATTLE	WA	98109	7
56-005-002-20	CITY OF WAYLAND	103 S MAIN ST	WAYLAND	MI	49348	8
56-005-002-30	RPARAN PROPERTIES LLC	879 E SUPERIOR ST	WAYLAND	MI	49348	9
56-005-002-40	RPARAN PROPERTIES LLC	879 E SUPERIOR ST SITE A	WAYLAND	MI	49348	10
56-005-002-41	VB VENTURES WAYLAND LLC	235 140TH AVE	WAYLAND	MI	49348	11
56-005-003-00	CITY OF WAYLAND	103 S MAIN ST	WAYLAND	MI	49348	12
56-005-004-00	LATROP THEODORE W & JUDITH	945 E SUPERIOR ST	WAYLAND	MI	49348	13
56-005-005-00	BREVER SUZANNE H	843 E SUPERIOR ST	WAYLAND	MI	49348	14
56-005-006-00	STORA RODERICK M & MELISSA K	841 E SUPERIOR ST	WAYLAND	MI	49348	15
56-005-006-10	ARY DOUGLAS & JULIE	104 MARLO LN	WAYLAND	MI	49348	16
56-005-006-20	DUBAY DOUGLAS	102 MARLO LN	WAYLAND	MI	49348	17
56-005-007-00	CONNOR MOLLY	815 EAST SUPERIOR	WAYLAND	MI	49348	18
56-005-007-10	BENNETT JEL & CARROW BIANCE	2514 BRIDGEPORT LN	GRAND RAPIDS	MI	49508	19
56-005-007-20	VALLA MATTHEW	101 MARLO LN	WAYLAND	MI	49348	20
56-005-007-21	JENSEN KRISTEN S	103 MARLO LN	WAYLAND	MI	49348	21
56-005-008-00	WAYLAND CHRISTIAN REF CHURCH	303 E ELM STREET	WAYLAND	MI	49348	22
56-005-009-00	CITY OF WAYLAND	103 S MAIN ST	WAYLAND	MI	49348	23
56-005-010-00	FINANCING VI HEALTHCARE PROPERTYLLC	8181 WORTHINGTON ROAD	WESTERVILLE	OH	43082	24
56-005-011-00	CITY OF WAYLAND	103 S MAIN ST	WAYLAND	MI	49348	25
56-005-011-20	FERGUSON ROBERT K	5770 VENTURE PARK	KALAMAZOO	MI	49009	26
56-005-012-00	REDSTONE LAND DEVELOPMENT LLC	3330 GRAND RIDGE DR NE	GRAND RAPIDS	MI	49525	27
56-005-012-10	VANDERVOORD JOHN C & NANCY L	542 FORREST ST	WAYLAND	MI	49348	28
56-005-013-00	L AND M LLC	2645 24TH AVE	HUGSBORVILLE	MI	49426	29
56-005-013-10	JESTER LLC	137 124TH AVE	SHELBYVILLE	MI	49344	30
56-005-014-00	OPPERMAN JOHN C	125 OAK ST	WAYLAND	MI	49348	31
56-005-015-00	REDSTONE LAND DEVELOPMENT LLC	3330 GRAND RIDGE DR NE	GRAND RAPIDS	MI	49525	32
56-005-016-00	WALKER MICHAEL	131 OAK ST	WAYLAND	MI	49348	33
56-005-017-00	FLUIT MARK & MARYELLEN	137 OAK ST	WAYLAND	MI	49348	34
56-005-018-00	GUTIERREZ SAUL O & ORTIZ CHRISTINA	119 OAK ST	WAYLAND	MI	49348	35
56-005-019-00	MCKEAN STATE POLICE #58	544 N MAIN ST	WAYLAND	MI	49348	36
56-005-020-00	WILLIAMS TERESA A	540 N MAIN ST	WAYLAND	MI	49348	37
56-005-021-00	KEMP HOLDINGS LLC	304 108TH ST	CALEDONIA	MI	49316	38
56-005-022-00	SLOAN JOHN L & AMY L	329 WILLOW RUN DR	WAYLAND	MI	49348	39

Figure 4: Query Results Table