

GIS PORTAL FEATURES AND FUNCTIONALITY

[illegible]

	Bethel	Brookfield	Darien	New Fairfield	New Milford	Newtown	Redding	Stamford	Westport
Pan, Manual, via UI Control: There is a visible UI control for panning the extent. (Recommended)	No	Yes	Yes	No	No	Yes	No	No	Yes
Pan, Manual, via Mouse: The user can pan the extent using the mouse. (Required)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Pan, Manual, via Keyboard: The user can pan the extent using the keyboard. (Required)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Pan, Auto, to Feature/Selection: When selecting a search result or other record or a feature, the UI allows the user to issue a command that pans/zooms to that particular feature on the map. (Recommended)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes
Interface – Measurement									
Area, Multiple, Non-Contiguous: The user can define multiple, non-contiguous polygons and calculate the resulting total area. (Optional)	No	No	No	No	Yes	No	No	No	No
Area, Box: The user can define an area by clicking and dragging to create a contiguous, rectilinear polygon without convex corners. (Optional)	No	Yes	Yes	Yes	Yes	No	Yes	No	Yes
Area, Radius/Diameter: The user can define an area by establishing either the centerpoint or the edge of a circle and specifying the radius/diameter. (Optional)	No	No	No	No	Yes	No	No	No	No
Area, Freehand Polygon: The user can define an area by drawing a closed, freehand path with the mouse. (Recommended)	No	No	No	No	Yes	No	No	No	No
Area, Custom Polygon: The user can define a polygon by specifying the locations of multiple vertices. (Required)	No	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes
Area, Self-Closing: The user can issue a command that automatically closes the current polygon by connecting the most recently specified vertex to the first vertex. (Recommended)	No	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes
Area, Self-Intersecting: The user can define a single, self-intersecting polygon. (Recommended)	No	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes
Area, Units - Acres: The UI displays the area of the selection in the specified units. (Required)	No	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes
Area, Units - Square Miles: The UI displays the area of the selection in the specified units. (Recommended)	No	No	Yes	No	No	No	Yes	No	Yes
Area, Units - Square Kilometers: The UI displays the area of the selection in the specified units. (Optional)	No	No	Yes	No	No	No	Yes	No	Yes
Area, Units - Square Feet: The UI displays the area of the selection in the specified units. (Recommended)	No	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes
Area, Units - Square Yards: The UI displays the area of the selection in the specified units. (Optional)	No	No	Yes	No	No	No	Yes	No	Yes
Area, Units - Hectares: The UI displays the area of the selection in the specified units. (Optional)	No	No	Yes	No	No	No	Yes	No	Yes

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Area, Units - Square Meters: The UI displays the area of the selection in the specified units. (Optional)	No	No	Yes	Yes	No	No	Yes	No	Yes
Distance, Line: A measurement tool that allows the user to specify a startpoint and endpoint. (Required)	No	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes
Distance, Path: The user can define a path composed of multiple line sections by establishing a start point, specifying a series of intermediate points, and establishing an endpoint. (Recommended)	No	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes
Distance, Path, Self-Intersecting: The user can create paths that intersect themselves. (Recommended)	No	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes
Distance, Multiple/non-contiguous: The user can create multiple unconnected lines or paths and calculate the total linear distance of all of them as a set. (Optional)	No	No	No	No	Yes	No	No	No	No
Distance, Path, Freehand: The UI allows the user to define a continuous, non-rectilinear path using the mouse (Optional)	No	No	No	No	No	No	Yes	No	No
Distance, Units - Miles: The UI can display the total distance in the specified units. (Recommended)	No	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes
Distance, Units - Meters: The UI can display the total distance in the specified units. (Optional)	No	No	Yes	Yes	No	No	Yes	No	Yes
Distance, Units - Kilometers: The UI can display the total distance in the specified units. (Optional)	No	No	Yes	No	No	No	Yes	No	Yes
Distance, Units - Feet: The UI can display the total distance in the specified units. (Recommended)	No	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes
Distance, Units - Yards: The UI can display the total distance in the specified units. (Optional)	No	No	Yes	No	No	No	Yes	No	Yes
Distance, Units - Nautical Miles: The UI can display the total distance in the specified units. (Optional)	No	No	Yes	No	No	No	Yes	No	Yes
Point Location, Coordinates - Decimal Degrees (DD): The UI displays the geographic coordinates of a specified point in decimal degrees. (Required)	Yes	No	Yes	Yes	No	No	Yes	No	Yes
Point Location, Coordinates - State Plane (SPCS): The UI displays the geographic coordinates of a specified point in state plane coordinates. (Optional)	No	Yes	No	Yes	No	Yes	No	No	No
Point Location, Coordinates - Degrees Minutes Seconds (DMS): The UI displays the geographic coordinates of a specified point in degrees, minutes, and seconds. (Recommended)	No	No	Yes	No	No	No	No	No	Yes
Interface – Layers									
Groups, Pre-Defined Layer Sets/Groups: The UI provides a control that allows a user to quickly enable or disable pre-defined groups of related or contextually-relevant layers. (Recommended)	Yes	No	Yes	No	No	No	Yes	No	Yes

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Legend, List of Layers with Symbology: The UI provides a legend showing the symbology of the active/available map layers. <i>(Required)</i>	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Symbology, Per-Layer, Single: The map rendering engine supports a single symbology type for a layer. <i>(Required)</i>	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes
Symbology, Per-Layer, Categorical or by Attribute: The map rendering engine supports category- or attribute-based symbology for a layer, allowing multiple classifications and symbologies to be shown for different layer features based on pre-defined criteria. <i>(Required)</i>	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes
Symbology, Per-Layer, Quantitative: The map rendering engine displays layer features using a color scale or other graduated symbology based upon values in a quantitative field. <i>(Optional)</i>	No	No	No	No	No	No	Yes	No	No
Visibility, All-Off: The UI has a control that allows a user to turn off all visible layers. <i>(Recommended)</i>	Yes	Yes	Yes	No	No	Yes	No	No	Yes
Visibility, Basemap On/Off: The UI has a control that allows the user to disable basemaps. <i>(Optional)</i>	No	No	No	No	No	No	No	No	Yes
Annotations, Parcel Dimensions: The parcels layer displays the length each segment of the parcel boundaries or the radius of curved boundaries. <i>(Required)</i>	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes
Annotations, Parcel Number/ID: The parcels layer displays the parcel number or other identifier for each parcel. <i>(Required)</i>	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes
Annotations, Individual Layer Annotation Toggles: The UI allows the user to enable or disable annotations for individual layers. <i>(Recommended)</i>	Yes	No	Yes	Yes	No	No	Yes	No	Yes
Interface – Identification									
Direct, Identify on Visible Layer(s): The UI allows the user click and identify a visible feature on the top-most (or a pre-defined "primary") layer. <i>(Required)</i>	Yes	No	No	No	No	No	No	No	Yes
List, Results list across visible layer(s): The UI allows the user to click and identify all features across all visible layers at that location (generally displayed as a list of results). <i>(Optional)</i>	No	No	No	No	No	No	No	No	Yes
Interface – Selection									
Tools, Select By Point (Click): The UI allows the user to select a single feature by clicking on it with the mouse. <i>(Required)</i>	Yes	Yes	Yes	Yes	No	Yes	Yes	No	Yes
Tools, Select by Area (Click and Drag box): The UI allows the user to click and drag to define a box, and selects all features within it or intersected by it <i>(Recommended)</i>	No	No	Yes	No	No	No	No	No	Yes
Tools, Select by Area (Polygon): The UI allows the user to create a multi-vertex polygon and	No	Yes	Yes	No	No	Yes	Yes	No	Yes

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select all features within or intersected by it. (Recommended)									
Tools, Select by Line (Intersects): The UI allows the user to define a start point and an end point and select all features intersected by the resulting line. (Recommended)	No	Yes	Yes	No	No	Yes	Yes	No	Yes
Tools, Select by Path (Intersects): The UI allows the user to define a path by establishing a start point, specifying multiple intermediate points, and establishing an end point and selects all features intersected by the resulting path. (Optional)	No	Yes	Yes	No	No	Yes	Yes	No	Yes
Tools, Select by Freehand Path (Intersects): The UI allows the user to "draw" a path in one or more continuous motions with the mouse and selects all features intersected by the resulting path. (Optional)	No	No	No	No	No	No	Yes	No	No
Sets, Add to Selection Set: The UI provides a method for displaying and tracking a set of selected features. (Recommended)	Yes	No	Yes	No	Yes	No	Yes	No	No
Sets, Remove from Selection Set: The UI provides a method for removing features from a selection set. (Recommended)	Yes	No	Yes	No	Yes	No	Yes	No	No
Sets, Load/Save/Export Set: The UI provides the user with a method for saving, recalling, or exporting a set of selected features. (Optional)	No	No	Yes	No	Yes	No	Yes	No	No
Clear/Reset, Clear/Reset Selection(s): The UI provides the user with a method for clearing the current selection or deselecting all selected features with a single command. (Required)	Yes	No	Yes	Yes	Yes	No	Yes	No	Yes
Select Tool, Select on Visible Layer(s): The UI allows the user to click and select all features across all visible layers at that location. (Optional)	No	No	Yes	No	No	No	No	No	Yes
Select Tool, Select on Parcel Layer: The UI allows the user click and select a visible feature on the top-most layer or a pre-defined "primary" layer such as the parcel layer. (Required)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes
Buffer, From Polygons: The UI allows the user to select a polygon and issue a command to select all neighboring features intersected by an area created by expanding the borders of the initial polygon by a certain distance (requires the UI to support selection sets). (Required)	No	Yes	Yes	No	Yes	Yes	Yes	No	Yes
Buffer, From Centerpoints: The UI allows the user to select a feature and issue a command to select all neighboring features intersected by a circle whose centerpoint is defined by the centerpoint of the original feature and whose radius is a set distance (requires the UI to support selection sets). (Required)	No	No	Yes	No	No	No	No	No	No
Buffer, Specified Distance: The UI allows the user to specify the buffer distance. (Required)	No	Yes	Yes	No	Yes	Yes	Yes	No	Yes

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Buffer, Units - Meters: The UI allows the user to specify the buffer distance in the given units. <i>(Optional)</i>	No	No	Yes	No	No	No	No	No	No
Buffer, Units - Feet: The UI allows the user to specify the buffer distance in the given units. <i>(Required)</i>	No	Yes	Yes	No	Yes	Yes	Yes	No	Yes
Export – Data									
File Type, File Geodatabase (gdb): The UI provides the user with the ability to export data in the specified format. <i>(Optional)</i>	No	No	No	No	No	No	No	No	Yes
File Type, Shapefile (shp): The UI provides the user with the ability to export data in the specified format. <i>(Optional)</i>	No	No	No	No	No	No	No	No	Yes
File Type, AutoCAD 2007 (dxf): The UI provides the user with the ability to export data in the specified format. <i>(Optional)</i>	No	No	No	No	No	No	No	No	Yes
File Type, AutoCAD 2007 (dwg): The UI provides the user with the ability to export data in the specified format. <i>(Optional)</i>	No	No	No	No	No	No	No	No	Yes
File Type, Microstation v8 (dgn): The UI provides the user with the ability to export data in the specified format. <i>(Optional)</i>	No	No	No	No	No	No	No	No	Yes
Export – Result Set									
File Type, Portable Document Format (pdf): The UI allows the user to export the result set in the specified format. <i>(Optional)</i>	Yes	No	Yes	No	No	No	No	No	Yes
File Type, Excel (xls,xlsx): The UI allows the user to export the result set in the specified format. <i>(Optional)</i>	No	Yes	No	No	Yes	Yes	No	No	No
File Type, Text Delimited (csv): The UI allows the user to export the result set in the specified format. <i>(Recommended)</i>	Yes	No	No	No	No	No	Yes	No	Yes
Export – Printing									
File Type, Portable Document Format (pdf): The UI allows the user to export the result set in the specified format. <i>(Optional)</i>	Yes	No	Yes	No	No	No	No	No	Yes
File Type, Excel (xls, xlsx): The UI allows the user to export the result set in the specified format. <i>(Optional)</i>	No	Yes	No	No	Yes	Yes	No	No	No
File Type, Text Delimited (csv): The UI allows the user to export the result set in the specified format. <i>(Recommended)</i>	Yes	No	No	No	No	No	Yes	No	Yes
Layout, Pre-Defined Layout(s): The print functionality provides pre-defined templates or layouts which provide various elements such as map frames, legends, titles, etc. <i>(Recommended)</i>	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes
Layout, Page Size Selection: The print functionality allows the user to select from a pre-defined list of layout sizes. <i>(Recommended)</i>	Yes	No	Yes	Yes	Yes	No	Yes	No	Yes
Layout, Page Rotation Selection: The print functionality allows the user to select portrait/landscape layouts. <i>(Recommended)</i>	Yes	No	Yes	Yes	No	No	Yes	No	Yes

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Layout, Custom Map Title: The print functionality allows the user to specify a custom map title. <i>(Recommended)</i>	Yes	No	No	Yes	Yes	No	Yes	No	Yes
Layout, Print Scale Selection: The print functionality allows the user to specify the scale of the printed map. <i>(Optional)</i>	Yes	No	Yes	Yes	Yes	No	Yes	No	Yes
Layout, Legend Toggle: The print functionality allows the user to toggle the display of the map legend on/off. <i>(Optional)</i>	Yes	No	Yes	No	No	No	No	No	Yes
Preview, Print Preview: The print functionality shows the user a preview of the printed map with their selected options. <i>(Optional)</i>	Yes	Yes	No	Yes	No	Yes	No	No	Yes
Preview, Printed Map Extent Shown: When the user accesses the print dialog, the UI indicates the extent of the printed map as an overlay in the interface itself, so that the user has immediate visual feedback for adjusting the printed scale, etc. <i>(Optional)</i>	Yes	No	No	Yes	No	No	No	No	Yes
Search – Tools									
Scope Limit, Search All Layers: The UI allows the user to specify whether their search query should apply to all layers. <i>(Recommended)</i>	No	No	No	No	No	No	No	No	Yes
Scope Limit, Select single layer to search: The UI allows the user to specify a single layer to search. <i>(Required)</i>	No	No	No	No	No	No	No	No	Yes
Scope Limit, Select multiple layers to search: The UI allows the user to select more than one layer to search <i>(Recommended)</i>	No	No	No	No	No	No	No	No	No
Basic, Full Text Search (All Fields, etc): The search function performs a basic text search across all field(s) in the selected layer(s) <i>(Required)</i>	Yes	No	No	No	Yes	No	No	No	Yes
Query Builder, Field Selection: The UI offers a query builder that allows the user to select specific fields within a layer. <i>(Optional)</i>	Yes	No	No	No	No	No	No	No	Yes
Query Builder, Operators: The UI offers a query builder that allows the user to select specific search operators. <i>(Optional)</i>	Yes	No	No	No	No	No	No	No	Yes
Query Builder, Value Auto-populate: The query builder auto-populates combo boxes or dropdowns based on the selected fields as the user types. <i>(Optional)</i>	Yes	No	No	No	No	No	No	No	Yes
Query Builder, Multiple query parameters: The query builder allows the user to build compound queries from multiple parameter/operator/field sets. <i>(Optional)</i>	Yes	No	No	No	No	No	No	No	Yes
Advanced, Manual-entry of query string: The user can manually enter a query rather than using a query builder. <i>(Optional)</i>	No	No	No	No	No	No	No	No	Yes
Advanced, Validation of user-entered query: On attempting to run the manually-entered query, the UI validates it and indicates to the user if validation has failed. <i>(Optional)</i>	No	No	No	No	No	No	No	No	Yes
Pre-Defined, Field Sets: The search functionality has pre-defined sets of relevant fields across one or more layers (i.e. a parcel	Yes	Yes	No	Yes	Yes	Yes	Yes	No	Yes

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search interface that displays search fields for owner, parcel number, and parcel location). (Optional)									
Search – Results									
List, Tabular Results: The UI displays the results of a search as a tabular list. (Recommended)	Yes	No	No	No	No	No	Yes	No	Yes
List, Sort/Order (Ascending/Descending): The UI allows the user to sort the results by clicking on column headers. (Recommended)	Yes	No	No	No	No	No	Yes	No	Yes
List, Clear List button: The UI allows the user to clear the search results. (Recommended)	Yes	No	No	No	Yes	No	Yes	No	Yes
Select, Select Multiple Results: The UI allows the user to select multiple results in the search list. (Optional)	Yes	No	No	No	No	No	No	No	No
Select, Zoom to Selected Result: The UI allows the user to automatically zoom/pan to a selected search result. (Required)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes
Advanced Functionality									
Abutters, Abutter Selection (via Buffer): The UI has a tool that allows the user to select all abutters from a specific property in a result set (this requires buffer functionality). (Required)	No	Yes	No	Yes	Yes	Yes	Yes	No	No
Abutters, Abutter List Generation: The UI displays a list of all abutters for the specified property (requires abutter selection, buffer tool, etc). (Required)	No	Yes	No	Yes	Yes	Yes	Yes	No	No
Abutters, Abutter List to Mailing Labels: The UI provides a way to generate or export a mailing list or mailing labels for the identified abutters. (Required)	No	Yes	No	Yes	Yes	Yes	Yes	No	No
Layout, Mark-Up Tools: The UI provides functionality for the user to add annotations and other markup for the purposes of printing. (Optional)	No	No	No	No	Yes	No	Yes	No	No
External Links, External Files: On selecting a feature, the UI displays and allows the user to navigate to relevant external links (e.g. files, external sites, Google Maps). (Recommended)	No	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes
Bookmarks, Pre-Defined Location List: The UI provides a list of pre-defined locations that the user can select and pan/zoom to. (Recommended)	No	No	No	No	No	No	No	No	Yes
Bookmarks, Pre-Defined Home Location: The UI provides a way for the user to return to the default map extent/home view. (Recommended)	Yes	No	No	No	No	No	No	Yes	No
Bookmarks, Custom User Locations: The UI allows a user to define and save a list of custom locations. (Optional)	No	No	No	No	No	No	No	No	Yes
Property Card – Summary									
Property, Photo: Property card displays a photo in the UI. (Required)	Yes	Yes	Yes	Yes	No	Yes	No	No	No
Property, Sketch: Property card displays a building sketch in the UI. (Required)	Yes	Yes	Yes	Yes	No	Yes	No	No	No
Property Card – Details									

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Valuation, Appraised: The UI displays the current appraised value of the selected property. <i>(Required)</i>	No	Yes	Yes	No	No	Yes	No	No	No
Valuation, Assessed: The UI displays the current assessed value of the selected property <i>(Required)</i>	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No
Valuation, Historical values: The UI displays historical valuations with relevant dates for appraised/assessed values. <i>(Recommended)</i>	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No
Property, Owner(s): The UI displays the current owner of record. <i>(Recommended)</i>	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No
Property, Land Acres: The UI displays the area of the property in acres. <i>(Recommended)</i>	Yes	Yes	Yes	Yes	Yes	Yes	No	No	No
Property, Land Use: The UI displays the land use code of the property. <i>(Recommended)</i>	No	Yes	Yes	Yes	Yes	Yes	No	No	No
Property, Class/Type: The UI indicates the class or type of structure. <i>(Optional)</i>	Yes	Yes	Yes	No	No	Yes	No	No	No
Property, Zoning: The UI indicates the property zoning. <i>(Recommended)</i>	No	Yes	Yes	Yes	Yes	Yes	No	No	No
Property, Census Tract: The UI indicates the US Census tract for the property. <i>(Optional)</i>	No	Yes	No	No	No	Yes	No	No	No
Property, Neighborhood: The UI indicates the neighborhood code for the property. <i>(Optional)</i>	No	Yes	Yes	No	No	Yes	No	No	No
Property, Structure Details: The UI displays the details for the structure(s) on the property (e.g. roof material, year built, heating/utilities, etc). <i>(Recommended)</i>	No	Yes	Yes	No	No	Yes	Yes	No	No
Property, Map/Block/Lot/Unit: The UI displays the map/block/lot/unit for the property. <i>(Recommended)</i>	No	Yes	No	Yes	No	Yes	No	No	No
Sales, Sale Date/Price/Book-Page/History: The UI displays the sale history of the property. This also provides the owner history. <i>(Recommended)</i>	Yes	Yes	Yes	No	Yes	Yes	Yes	No	No
Property Card – Additional Functionality									
Export, Generate Parcel Map/Assessor Map: The UI allows the user to generate a parcel map directly from a property card. <i>(Optional)</i>	No	Yes	No	Yes	No	Yes	No	No	No
Export, Generate Printable Property Card: The UI allows the user to generate a printable property card. <i>(Recommended)</i>	No	Yes	Yes	Yes	No	Yes	No	No	No
Export, Generate Abutters List: The UI allows the user to generate the abutters list from a property card. <i>(Optional)</i>	No	Yes	No	Yes	No	Yes	Yes	No	No

GIS PLATFORM FEATURES

	AxisGIS	CorsonGIS	MapGeo	MapXpress	Integrator
Platform Details					
Developer	CAI Technologies	Corson GIS Solutions	AppGeo	New England GeoSystems	mPower
Engine(s)	Esri	Esri	Carto	Esri	Esri, Autodesk, OSGeo
Desktop Browser Compatibility					
Microsoft Internet Explorer (v11+)	Yes	Yes	Yes	Yes	Yes
Microsoft Edge (v38+)	Yes	Yes	Yes	Yes	Yes
Mozilla Firefox (v52+ ESR, v54+)	Yes	Yes	Yes	Yes	Yes
Apple Safari (v6.2.8+)	Yes	Yes	Yes	Yes	Yes
Google Chrome (v52+)	Yes	Yes	Yes	Yes	Yes
Mobile Browser Compatibility					
Chrome (Android/iOS)	Yes	Yes	Yes	Yes	Yes
Safari (iOS)	Yes	Yes	Yes	Yes	Yes
Navigation Functionality					
Typical Functions	Yes	Yes	Yes	Yes	Yes
Layer Controls	Yes	Yes	Yes	Yes	Yes
Basic Search Functionality					
Street Number	Yes	Yes	Yes	Yes	Yes
Street Name	Yes	Yes	Yes	Yes	Yes
Owner Name	Yes	Yes	Yes	Yes	Yes
Parcel ID	Yes	Yes	Yes	Yes	Yes
Advanced Search Functionality					
Land Use	No	Yes	No	Yes	Yes
Building Information	No	Yes	No	Yes	Yes
Land Area	No	Yes	No	Yes	Yes
Sale Date	No	Yes	No	Yes	Yes
Value	No	Yes	No	Yes	Yes
Ability to enter ranges	No	Yes	No	Yes	Yes
Selection Functionality					
From Search	Yes	Yes	Yes	Yes	Yes
Point	Yes	Yes	No	Yes	Yes
Polygon	No	Yes	No	No	Yes
Radius	No	Yes	No	No	Yes
Measurement Tools					
Linear	Yes	Yes	Yes	Yes	Yes
Area	Yes	Yes	Yes	Yes	Yes
Variable Units	Yes	Yes	No	No	Yes
Buffer Functionality					
Variable distance	Yes	No	Yes	Yes	Yes
Visible	Yes	No	Yes	Yes	Yes
Printable	Yes	No	Yes	Yes	Yes
Add/Remove Parcels	Yes	No	No	Yes	Yes
Access Mailing List	Yes	No	Yes	Yes	Yes
Markup Tools					
Visible	Yes	Yes	Yes	No	Yes
Printable	Yes	Yes	Yes	No	Yes

	AxisGIS	CorsonGIS	MapGeo	MapXpress	Integrator
Property Card Functionality					
Internal	Yes	Yes	Yes	Yes	Yes
External	Yes	Yes	Yes	Yes	Yes
PDF Replication	Yes	No	No	Yes	No
External Link Functionality					
Field Cards	Yes	Yes	Yes	Yes	Yes
Plans	Yes	Yes	Yes	Yes	Yes
Deeds	Yes	Yes	Yes	No	Yes
Permits	Yes	Yes	Yes	No	Yes
Printing Functionality					
Custom	Yes	Yes	Yes	No	Yes
Standard	Yes	Yes	Yes	Yes	Yes
Integrations					
Oblique	Yes	Yes	No	Yes	Yes
Street View	Yes	Yes	Yes	No	Yes
Photo Tool Tips	Yes	Yes	No	Yes	Yes
Building Photos	Yes	Yes	Yes	Yes	Yes

GEOSPATIAL LAYERS

	Bethel	Brookfield	Darien	New Fairfield	New Milford	Newtown	Redding	Stamford	Westport
Basemaps									
Imagery, Aerial	No	Yes	No	Yes	Yes	Yes	Yes	No	No
Imagery, Satellite	Yes	No	No	Yes	Yes	No	Yes	No	Yes
Street Map	Yes	No	No	Yes	Yes	No	Yes	Yes	Yes
Thematic	No	No	No	Yes	No	No	No	No	Yes
Topographic	Yes	No	No	Yes	Yes	No	Yes	No	Yes
Planimetric	No	Yes	Yes	Yes	No	Yes	Yes	No	Yes
Boundaries									
Administrative	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes
Easements	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes
Ecological	Yes	Yes	No	Yes	Yes	Yes	Yes	No	Yes
Flood Zones	Yes	Yes	No	Yes	Yes	Yes	Yes	No	Yes
Land Cover/Use	No	No	No	Yes	No	Yes	Yes	No	Yes
Parcels	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes
Permits	No	No	No	No	No	No	No	No	Yes
Soils	No	Yes	No	Yes	Yes	No	Yes	No	Yes
Zoning/Districts	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes
Elevation									
Contours	Yes	Yes	No	Yes	No	Yes	Yes	No	Yes
Spot Elevations	No	Yes	No	No	No	Yes	Yes	No	Yes
Hydrology									
Rivers/Streams	Yes	Yes	Yes	Yes	No	Yes	Yes	No	Yes
Lakes/Ponds	Yes	Yes	Yes	Yes	No	Yes	Yes	No	Yes
Watersheds	No	Yes	No	No	Yes	No	Yes	No	Yes
Wetlands	No	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes
Infrastructure									
Drainage	No	Yes	No	No	No	Yes	No	No	Yes
Railroads	No	Yes	Yes	Yes	No	Yes	Yes	No	Yes
Roads, Centerlines	No	Yes	Yes	Yes	Yes	No	Yes	No	Yes
Roads, Polygons	No	Yes	Yes	Yes	No	Yes	Yes	No	Yes
Sidewalks	No	No	No	No	Yes	No	No	No	Yes
Utilities	Yes	Yes	No	No	No	Yes	Yes	No	Yes
Structures									
Fences/Walls	No	Yes	No	No	No	Yes	Yes	No	Yes
Buildings	No	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes
Pools	No	Yes	No	Yes	No	Yes	No	No	Yes
Paved Areas	No	Yes	No	Yes	Yes	Yes	No	No	Yes
Annotations									
PID	No	Yes	No	No	No	No	No	No	No
Map	No	No	No	No	No	No	No	No	No
Lot	Yes	No	Yes	Yes	Yes	No	No	No	Yes
Sublot	No	No	No	Yes	Yes	No	No	No	No
Acreage	Yes	Yes	Yes	Yes	Yes	No	No	No	Yes
Dimensions	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes
Road Names	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes
Street Number	Yes	Yes	Yes	Yes	Yes	Yes	No	No	Yes
Survey Number	No	No	No	No	No	No	No	No	Yes

ASSESSOR'S DATABASES

	Bethel	Bridgewater	Brookfield	Danbury	Darien	New Canaan	New Fairfield	New Milford	Newtown	Norwalk	Redding	Ridgefield	Stamford	Weston	Westport	Wilton
Parcel Search																
By Address	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
By Owner	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes
By Account	Yes	Yes	Yes	Yes	No	No	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes
By Map/Block/Lot/Unit	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes
By PID	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
All Fields	No	Yes	Yes	Yes	No	No	Yes	Yes	Yes	Yes	Yes	No	Yes	No	Yes	Yes
Street Listing																
Street List	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Filtering	No	Yes	Yes	Yes	No	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Sorted (Alphanumeric)	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes
Sales Search																
Date (Range)	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Price (Range)	No	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Land Area (Range)	No	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Building Area (Range)	No	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
By Neighborhood/Zone	No	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
By Style/Type	No	Yes	Yes	Yes	No	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Results List	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Record View																
Location	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Account	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes
PID	No	Yes	Yes	Yes	No	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Map/Block/Lot/Unit	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Appraised Value	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Assessed Value	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Owner of Record	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes
Ownership History	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes
Building Photo	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Building Sketch	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Building Attributes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Building, Year Built	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Building, Living Area	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Building, Tabular Sub Areas	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Land Use	No	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Land Use Neighborhood/Zone	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Land Line Size	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes
Outbuildings	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Valuation History, Assessment	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes
Valuation History, Appraisal	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	No	Yes	Yes
External Map Link (Google)	No	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes
External Map Link (Bing)	No	Yes	Yes	Yes	No	No	Yes	Yes	Yes	Yes	Yes	No	Yes	No	Yes	Yes
External Map Link (Yahoo)	No	Yes	Yes	Yes	No	No	Yes	Yes	Yes	Yes	Yes	No	Yes	No	Yes	Yes
External Map Link (GIS Portal)	No	No	No	No	Yes	No	No	No	No	No	No	No	No	No	No	No
Sales History	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Permit History	Yes	No	No	No	Yes	Yes	No	No	No	No	No	No	No	Yes	No	No
Comp Sales/Recent Sales	No	Yes	Yes	Yes	No	No	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes
Utilities	No	No	No	No	Yes	No	No	No	No	No	No	No	No	No	No	No

APPENDIX B. GIS SCHEMA

RECOMMENDED ATTRIBUTES BY LAYER TYPE

PARCEL

Contains non-spatial data.

Field Name	ArcGIS Data Type	SQL Data Type	Description
ObjectID	OBJECT ID	INTEGER	ObjectID created by ArcGIS, unique.
GUID	GUID	UNIQUEIDENTIFIER	Primary key, globally unique identifier for record.
TYPE	TEXT	NVARCHAR	Parcel type
LINK_ID	TEXT	NVARCHAR	Concatenated Parcel ID allowing link to CAMA
DISPLAY_ID	TEXT	NVARCHAR	Local Parcel ID formatted for display
TOWN_ID	TEXT	NVARCHAR	
TOWN_NAME	TEXT	NVARCHAR	
PID	TEXT	NVARCHAR	Local concatenated Parcel ID
MAP	TEXT	NVARCHAR	
BLOCK	TEXT	NVARCHAR	
LOT	TEXT	NVARCHAR	
BLGD	TEXT	NVARCHAR	
SUB	TEXT	NVARCHAR	
ST_NUM	TEXT	NVARCHAR	
CURRENT_TO	DATE	DATETIME2(7)	Date record is current to
UPDATED	DATE	DATETIME2(7)	Timestamp of last update to record.
PERIMETER	DOUBLE	DECIMAL	Perimeter of polygon in feet
AREA	DOUBLE	DECIMAL	Area of polygon in acreage

RECOMMENDED ATTRIBUTES BY GEOMETRY TYPE

POINT

Zero-dimensional.

Field Name	ArcGIS Data Type	SQL Data Type	Description
ObjectID	OBJECT ID	INTEGER	ObjectID created by ArcGIS, unique.
GUID	GUID	UNIQUEIDENTIFIER	Primary key, globally unique identifier for record.
TYPE	TEXT	NVARCHAR	Parcel type
TOWN_NAME	TEXT	NVARCHAR	
TOWN_ID	TEXT	NVARCHAR	
VALUE	TEXT	NVARCHAR	
ROTATION	DOUBLE	DECIMAL	

DISPLAY_VALUE	TEXT	NVARCHAR	
CURRENT_TO	DATE	DATETIME2(7)	Date record is current to
UPDATED	DATE	DATETIME2(7)	Timestamp of last update to record.
X_COORD	DOUBLE	DECIMAL	
Y_COORD	DOUBLE	DECIMAL	
Z_COORD	DOUBLE	DECIMAL	

POLYLINE

One-dimensional.

Field Name	ArcGIS Data Type	SQL Data Type	Description
ObjectID	OBJECT ID	INTEGER	ObjectID created by ArcGIS, unique.
GUID	GUID	UNIQUEIDENTIFIER	Primary key, globally unique identifier for record.
TYPE	TEXT	NVARCHAR	Parcel type
TOWN_NAME	TEXT	NVARCHAR	
TOWN_ID	TEXT	NVARCHAR	
VALUE	TEXT	NVARCHAR	
DISPLAY_VALUE	TEXT	NVARCHAR	
CURRENT_TO	DATE	DATETIME2(7)	Date record is current to
UPDATED	DATE	DATETIME2(7)	Timestamp of last update to record.
LENGTH	DOUBLE	DECIMAL	Perimeter of polygon in feet

POLYGON

Two-dimensional.

Field Name	ArcGIS Data Type	SQL Data Type	Description
ObjectID	OBJECT ID	INTEGER	ObjectID created by ArcGIS, unique.
GUID	GUID	UNIQUEIDENTIFIER	Primary key, globally unique identifier for record.
TYPE	TEXT	NVARCHAR	Parcel type
TOWN_NAME	TEXT	NVARCHAR	
TOWN_ID	TEXT	NVARCHAR	
VALUE	TEXT	NVARCHAR	
DISPLAY_VALUE	TEXT	NVARCHAR	

CURRENT_TO	DATE	DATETIME2(7)	Date record is current to
UPDATED	DATE	DATETIME2(7)	Timestamp of last update to record.
PERIMETER	DOUBLE	DECIMAL	Perimeter of polygon in feet
AREA	DOUBLE	DECIMAL	Area of polygon in acreage

DRAFT

APPENDIX C. CAMA SCHEMA

FLAT SCHEMA: PARCEL MASTER

Name	Description	Data Type	Parameters	Minimum
Identification				
townname	Town Name	Text		X
townid	Town ID	Integer		X
countyname	County Name	Text		X
countyid	County ID	Integer		X
parcelid	Concatenated CAMA Parcel ID	Text		X
linkid	Concatenated CAMA Parcel ID that links to regional CAMA	Text	Links to Parcel Layer (related)	X
parceldisplayid	Parcel ID formatted for display	Text		X
camaidregional	CAMA Account/Parcel ID with Regional Prefix	Text	Unique Key	X
camaidlocal	CAMA Account/Parcel ID	Text		X
map	Map	Text		
mapcut	Map Cut	Text		
block	Block	Text		
blockcut	Block Cut	Text		
lot	Lot	Text		
lotcut	Lot Cut	Text		
unit	Unit	Text		
unitcut	Unit Cut	Text		
subunit	Sub Unit	Text		
subunitcut	Sub Unit Cut	Text		
building	Building	Text		
buildingcut	Building Cut	Text		
numberofcards	Numer of Assessment Cards	Integer		X
streetname	Parcels Street Name	Text		X
streetnumber	Parcels Street Number	Text		X
situsaddress	Physical Location of Parcel	Text		X
situszipcode	Zip Code for Physical Location of Parcel	Text		X
Owner				
Owner	Parcels Owner	Text		X
Co_Owner	Parcels Co-Owners	Text		X
Owner_Occupied	Does the owner occupy parcel	Boolean		X
Mailing_Address	Mailing Address	Text		X
Mailing_Address_2	Mailing Address_2	Text		X
Mailing_City	Mailing City	Text		X
Mailing_State	Mailing State	Text		X
Mailing_Zip	Mailing Zip	Text		X
Land				
landareaac	Land Area (acres)	Decimal		X

Name	Description	Data Type	Parameters	Minimum
landareaf	Land Area (square feet)	Integer		X
landfrontage	Parcel Frontage	Integer		
landdepth	Parcel Depth	Integer		
landuselocal	Local Land Use Code	Text		X
landuselocaldesc	Local Land Use Code Description	Text		X
landusereg	Regional Land Use Code	Text		X
landuseregdesc	Regional Land Use Code Description	Text		X
zonelocal	Local Zone Code	Text		X
zonelocaldesc	Local Zone Code Description	Text		X
localnhbd	Local Neighborhood Code	Text		X
waterfront	Water frontage in Feet	Integer		
viewfactor	View Factor	Decimal		
Valuation				
valyear1	Valuation Year 1	Decimal		X
valyear2	Valuation Year 2	Decimal		
valyear3	Valuation Year 3	Decimal		
valappbldg1	Building Appraised Value 1	Decimal		X
valappbldg2	Building Appraised Value 2	Decimal		
valappbldg3	Building Appraised Value 3	Decimal		
valappobldg1	Out Building Appraised Value 1	Decimal		X
valappobldg2	Out Building Appraised Value 2	Decimal		
valappobldg3	Out Building Appraised Value 3	Decimal		
valappxfeat1	Extra Feature Appraised Value 1	Decimal		X
valappxfeat2	Extra Feature Appraised Value 2	Decimal		
valappxfeat3	Extra Feature Appraised Value 3	Decimal		
valappimp1	Improvement Appraised Value 1	Decimal		X
valappimp2	Improvement Appraised Value 2	Decimal		
valappimp3	Improvement Appraised Value 3	Decimal		
valappland1	Land Appraised Value 1	Decimal		X
valappland2	Land Appraised Value 2	Decimal		
valappland3	Land Appraised Value 3	Decimal		
valapptotal1	Total Appraised Value 1	Decimal		X
valapptotal2	Total Appraised Value 2	Decimal		
valapptotal3	Total Appraised Value 3	Decimal		
valasdbldg1	Building Assessed Value 1	Decimal		X
valasdbldg2	Building Assessed Value 2	Decimal		
valasdbldg3	Building Assessed Value 3	Decimal		
valasdobldg1	Out Building Assessed Value 1	Decimal		X
valasdobldg2	Out Building Assessed Value 2	Decimal		
valasdobldg3	Out Building Assessed Value 3	Decimal		
valasdxfeat1	Extra Feature Assessed Value 1	Decimal		X
valasdxfeat2	Extra Feature Assessed Value 2	Decimal		
valasdxfeat3	Extra Feature Assessed Value 3	Decimal		

Name	Description	Data Type	Parameters	Minimum
valasdimp1	Improvement Assessed Value 1	Decimal		X
valasdimp2	Improvement Assessed Value 2	Decimal		
valasdimp3	Improvement Assessed Value 3	Decimal		
valasdland1	Land Assessed Value 1	Decimal		X
valasdland2	Land Assessed Value 2	Decimal		
valasdland3	Land Assessed Value 3	Decimal		
valasdtotal1	Total Assessed Value 1	Decimal		X
valasdtotal2	Total Assessed Value 2	Decimal		
valasdtotal3	Total Assessed Value 3	Decimal		
Building				
bldgcount	Number of Buildings	Integer		
bldgareag	Gross Area	Integer		X
bldgarean	Net Area	Integer		X
bldgayb	Actual Year Built	Date		X
bldgeyb	Effective Year Built	Date		X
bldgstyle	Style	Text		X
bldgmodel	Model	Text		X
bldggrade	Grade	Text		X
bldgpctgood	Percent Good	Decimal		X
bldgcondition	Condition	Text		X
bldgstories	Stories	Integer		X
bldgxwall1	Exterior Wall Type 1	Text		
bldgxwall2	Exterior Wall Type 2	Text		
bldgrooftype	Roof Type	Text		
bldgroofcover	Roof Cover	Text		
bldgiwall1	Interior Wall Type 1	Text		
bldgiwall2	Interior Wall Type 2	Text		
bldgifloor1	Floor Type 1	Text		
bldgifloor2	Floor Type 2	Text		
bldgheattype	Heat Type	Text		
bldgheatfuel	Heat Fuel	Text		
bldgactype	AC Type	Text		
bldgrooms	Total Rooms	Integer		X
bldgbedrooms	Bedrooms	Integer		X
bldgfamrooms	Family Rooms	Integer		
bldghalfbath	Half Baths	Integer		X
bldgfullbath	Full Baths	Integer		X
bldgrcn	Replacement Cost New	Decimal		X
bldgrcnld	Replacement Cost New Less Depreciation	Decimal		X
bldgextrafixt	Extra Fixtures	Integer		
bldgtotalfixt	Total Fixtures	Integer		
bldgbathstyle	Bath Style	Text		

Name	Description	Data Type	Parameters	Minimum
bldgbsmntfin	Basement Finished Area	Integer		
bldgfireplaces	No of Fireplaces	Integer		
bldgwhirlpool	No of Whirlpools	Integer		
bldgattictype	Attic Type	Text		
bldgbasemtype	Basement Type	Text		
bldgkitchstyle	Kitchen Style	Text		
Counts				
obldgcount	Outbuilding Count	Integer		X
xfeatcount	Extra Features Count	Integer		X
permitcount	Permit Count	Integer		X
External Resources				
photopath	Photo Path	Text		
photolink	Photo Link Attribute	Text		
sketchpath	Sketch Path	Text		
sketchlink	Sketch Link Attribute	Text		
gislink	GIS Site Link	Text		
camalink	CAMA Site Link	Text		X
Last Transaction				
Istsalegrantor	Sale Grantor Name	Text		X
Istsalegrantee	Sale Grantee Name	Text		
Istsaleprice	Sale Price	Decimal		X
Istsaledate	Sale date	Date		X
Istsalebook	Sale Book	Text		X
Istsalepage	Sale Page	Text		X
Istsaleinstno	Sale Instrument Number	Text		
Istsalequalification	Sale Qualification	Text		
Istsalequalificationcd	Sale Qualification Code	Text		

FLAT SCHEMA: SALES

Name	Description	Type	Parameters
camaid	CAMA Account/Parcel ID	Text	Needed as this would be stored in a related table
salegrantor	Sale Grantor Name	Text	
salegrantee	Sale Grantee Name	Text	
saleprice	Sale Price	Decimal	
saledate	Sale date	Date	
salebook	Sale Book	Text	
salepage	Sale Page	Text	
saleinstno	Sale Instrument Number	Text	
salequalification	Sale Qualification	Text	
salequalificationcd	Sale Qualification Code	Text	

EXPANDED SCHEMA: PARCEL MASTER

Name	Description	Data Type	Parameters
Identification			
townname	Town Name	Text	
townid	Town ID	Integer	
countyname	County Name	Text	
countyid	County ID	Integer	
parcelid	Concatenated CAMA Parcel ID	Text	
linkid	Concatenated CAMA Parcel ID that links to regional CAMA	Text	Links to Parcel Layer (related)
parceldisplayid	Parcel ID formatted for display	Text	
camaidregional	CAMA Account/Parcel ID with Regional Prefix	Text	Unique Key
camaidlocal	CAMA Account/Parcel ID	Text	
map	Map	Text	
mapcut	Map Cut	Text	
block	Block	Text	
blockcut	Block Cut	Text	
lot	Lot	Text	
lotcut	Lot Cut	Text	
unit	Unit	Text	
unitcut	Unit Cut	Text	
subunit	Sub Unit	Text	
subunitcut	Sub Unit Cut	Text	
building	Building	Text	
buildingcut	Building Cut	Text	
numberofcards	Numer of Assessment Cards	Integer	
streetname	Parcels Street Name	Text	
streetnumber	Parcels Street Number	Text	
situsaddress	Physical Location of Parcel	Text	
situszipcode	Zip Code for Physical Location of Parcel	Text	
Owner			
Owner	Parcels Owner	Text	
Co_Owner	Parcels Co-Owners	Text	
Owner_Occupied	Does the owner occupy parcel	Boolean	
Mailing_Address	Mailing Address	Text	
Mailing_Address_2	Mailing Address_2	Text	
Mailing_City	Mailing City	Text	
Mailing_State	Mailing State	Text	
Mailing_Zip	Mailing Zip	Text	
Land			
landareaac	Land Area (acres)	Decimal	
landareasf	Land Area (square feet)	Integer	

Name	Description	Data Type	Parameters
landfrontage	Parcel Frontage	Integer	
landdepth	Parcel Depth	Integer	
landuselocal	Local Land Use Code	Text	
landuselocaldesc	Local Land Use Code Description	Text	
landusereg	Regional Land Use Code	Text	
landuseregdesc	Regional Land Use Code Description	Text	
zonelocal	Local Zone Code	Text	
zonelocaldesc	Local Zone Code Description	Text	
localnhbd	Local Neighborhood Code	Text	
waterfront	Water frontage in Feet	Integer	
viewfactor	View Factor	Decimal	
Valuation			
valyear1	Valuation Year 1	Decimal	
valyear2	Valuation Year 2	Decimal	
valyear3	Valuation Year 3	Decimal	
valappbldg1	Building Appraised Value 1	Decimal	
valappbldg2	Building Appraised Value 2	Decimal	
valappbldg3	Building Appraised Value 3	Decimal	
valappobldg1	Out Building Appraised Value 1	Decimal	
valappobldg2	Out Building Appraised Value 2	Decimal	
valappobldg3	Out Building Appraised Value 3	Decimal	
valappxfeat1	Extra Feature Appraised Value 1	Decimal	
valappxfeat2	Extra Feature Appraised Value 2	Decimal	
valappxfeat3	Extra Feature Appraised Value 3	Decimal	
valappimp1	Improvement Appraised Value 1	Decimal	
valappimp2	Improvement Appraised Value 2	Decimal	
valappimp3	Improvement Appraised Value 3	Decimal	
valappland1	Land Appraised Value 1	Decimal	
valappland2	Land Appraised Value 2	Decimal	
valappland3	Land Appraised Value 3	Decimal	
valapptotal1	Total Appraised Value 1	Decimal	
valapptotal2	Total Appraised Value 2	Decimal	
valapptotal3	Total Appraised Value 3	Decimal	
valasdbldg1	Building Assessed Value 1	Decimal	
valasdbldg2	Building Assessed Value 2	Decimal	
valasdbldg3	Building Assessed Value 3	Decimal	
valasdobldg1	Out Building Assessed Value 1	Decimal	
valasdobldg2	Out Building Assessed Value 2	Decimal	
valasdobldg3	Out Building Assessed Value 3	Decimal	
valasdxfeat1	Extra Feature Assessed Value 1	Decimal	
valasdxfeat2	Extra Feature Assessed Value 2	Decimal	
valasdxfeat3	Extra Feature Assessed Value 3	Decimal	
valasdimp1	Improvement Assessed Value 1	Decimal	

Name	Description	Data Type	Parameters
valasdimp2	Improvement Assessed Value 2	Decimal	
valasdimp3	Improvement Assessed Value 3	Decimal	
valasdland1	Land Assessed Value 1	Decimal	
valasdland2	Land Assessed Value 2	Decimal	
valasdland3	Land Assessed Value 3	Decimal	
valasdtotal1	Total Assessed Value 1	Decimal	
valasdtotal2	Total Assessed Value 2	Decimal	
valasdtotal3	Total Assessed Value 3	Decimal	

EXPANDED SCHEMA: SALES

Name	Description	Data Type	Parameters
camaid	CAMA Account/Parcel ID	Text	Needed as this would be stored in a related table
salegrantor	Sale Grantor Name	Text	
salegrantee	Sale Grantee Name	Text	
saleprice	Sale Price	Decimal	
saledate	Sale date	Date	
salebook	Sale Book	Text	
salepage	Sale Page	Text	
saleinstno	Sale Instrument Number	Text	
salequalification	Sale Qualification	Text	
salequalificationcd	Sale Qualification Code	Text	

EXPANDED SCHEMA: BUILDING

Name	Description	Data Type	Parameters	Sample 1	Sample 2
camaid	CAMA Account/Parcel ID	Text	Needed as this would be stored in a related table		
cardno	Card Number	Integer			
bldgno	Building Number	Integer		1	1
bldgsectno	Section Number	Integer		1	1
bldgareag	Gross Area of Section	Integer		2,500	
bldgarean	Net Area of Section	Integer		2,360	5,943
bldgflr1area	First Floor Area	Integer			
bldgayb	Actual Year Built	Date		1981	1968
bldgeyb	Effective Year Built	Date		1981	1968
bldgstyle	Style	Text		Colonial	Heavy Industrial
bldgmodel	Model	Text		Residential	Ind/Com
bldggrade	Grade	Text		C+	C
bldgpctgood	Percent Good	Decimal		81	
bldgcondition	Condition	Text		Average	
bldgstories	Stories	Integer		2	1

Name	Description	Data Type	Parameters	Sample 1	Sample 2
bldgxwall1	Exterior Wall Type 1	Text		Cdar/pine/rdwd	Brick/Masonry
bldgxwall2	Exterior Wall Type 2	Text			
bldgrooftype	Roof Type	Text		Gable	Flat
bldgroofcover	Roof Cover	Text		Asphalt Shngl	Vinyl/Asphalt
bldgiwall1	Interior Wall Type 1	Text		Drywall/Sheet	
bldgiwall2	Interior Wall Type 2	Text			
bldgifloor1	Floor Type 1	Text		Harwdoos	
bldgifloor2	Floor Type 2	Text		Carpet	
bldgheattype	Heat Type	Text		Forced Air	
bldgheatfuel	Heat Fuel	Text		Oil	
bldgactype	AC Type	Text		None	
bldgrooms	Total Rooms	Integer		10	
bldgbedrooms	Bedrooms	Integer		4	
bldgfamrooms	Family Rooms	Integer			
bldghalfbath	Half Baths	Integer		2	
bldgfullbath	Full Baths	Integer		1	
bldgextrafixt	Extra Fixtures	Integer			
bldgtotalfixt	Total Fixtures	Integer			
bldgbathstyle	Bath Style	Text		Average	Average
bldgbsmntfin	Basement Finished Area	Integer			
bldgfireplaces	No of Fireplaces	Integer			
bldgwhirlpool	No of Whirlpools	Integer			
bldgattictype	Attic Type	Text			
bldgbasemtype	Basement Type	Text			
bldgkitchstyle	Kitchen Style	Text		Average	
bldgrcn	Replacement Cost New	Decimal			
bldgrcnld	Replacement Cost New Less Depreciation	Decimal		Average	
bldgcombhactype	Heat/AC Type	Text			Heat/AC Split
bldgframe	Frame Type	Text			Steel
bldgpartitions	Room/Partition Style	Text			Average
bldgceilingtype	Ceiling Type	Text			Sus-CEIL & WL
bldgwallht	Wall Height	Integer			10
bldgpercomwall	Percent Common Wall	Decimal			0
bldgunits	Building Units	Integer			

EXPANDED SCHEMA: OUTBUILDINGS

Name	Description	Data Type	Parameters	Sample 1	Sample 2	Sample 3	Sample 4
camaid	CAMA Account/Parcel ID	Text	Needed as this would be stored in a related table				
bldgno	Building Number/Card Number	Integer	Ties back to building table	1	1	1	1
obldgcode	Code	Text		FNS	PMPC	SHD1	TEN
obldgdesc	Code Description	Text		Fence 10'	Pump House Comm	Shed	Tennis Court
obldgsubcode	Sub Code	Text			CB	FR	
obldgsubdesc	Sub Code Description	Text			Cinder/Frame	Frame	
obldgunittype	Unit Type	Text		LF	SF	SF	Unit
obldgunits	Units	Integer		9,806	484	160	1
obldgvalue	Appraised Value	Decimal		95,700	101,600	1,200	21,000
obldggrade	Grade	Text					
obldgcondition	Condition	Text					
obldgayb	Actual Year Built	Date					
obldgeyb	Effective Year Built	Date					

EXPANDED SCHEMA: EXTRA FEATURES

Name	Description	Data Type	Parameters	Sample 1
camaid	CAMA Account/Parcel ID	Text	Needed as this would be stored in a related table	
bldgno	Building Number/Card Number	Integer		1
xfeatcode	Code	Text		HTUB
xfeatdesc	Description	Text		Hot Tub/Whirlpl
xfeatunittype	Unit Type	Text		Units
xfeatunits	Units	Integer		1
xfeatvalue	Value	Decimal		3,200

EXPANDED SCHEMA: PERMITS

Name	Description	Data Type	Parameters	Sample 1
linkid		Text		
prmno	Number	Integer		29169
prmdate	Date	Date		5/1/2003
permpurp	Purpose	Text		Building
permamnt	Amount	Decimal		3,000,000
permcomp	Percent Complete	Decimal		100
permcert	Certification Date	Date		9/22/2004
permflag	Flag	Text		C

EXPANDED SCHEMA: EXTERNAL RESOURCES

Name	Description	Data Type	Parameters	Sample 1
type	Type of Link	Text		Photo
linkid	Linking ID	Text		
url	URL for link	Text		//westcog/photos/

APPENDIX D. EVALUATED LAND USE CODES

MASSACHUSETTS

CODE 1 RESIDENTIAL	
10 Residences	
101	Single Family
102	Condominium
103	Mobile Home (includes land used for purpose of a mobile home park)
104	Two-Family
105	Three-Family
106	Accessory Land with Improvement - garage, etc.
107	(Intentionally left blank)
108	(Intentionally left blank)
109	Multiple Houses on one parcel (for example, a single and a two-family on one parcel)
11 Apartments	
111	Four to Eight Units
112	More than Eight Units
12 Non-Transient Group Quarters	
121	Rooming and Boarding Houses
122	Fraternity and Sorority Houses
123	Residence Halls or Dormitories
124	Rectories, Convents, Monasteries
125	Other Congregate Housing which includes non-transient shared living arrangements
13 Vacant Land in a Residential Zone or Accessory to Residential Parcel	
130	Developable Land
131	Potentially Developable Land
132	Undevelopable Land
14 Other	
140	Child Care Facility (M.G.L. Chapters 59 §3F; 40A §9C) (see also Code 352)
CODE 2 OPEN SPACE	
20 Open Land in a Residential Area	
201	Residential Open Land
202	Underwater Land or Marshes not under public ownership located in residential areas (typically, privately owned ponds, lakes, salt marshes or other wetlands of non- commercial use)
21 Open Land in Rural Area	
210	Non-Productive Agricultural Land (that part of an operating farm not classified as Chapter 61A Agricultural/Horticultural or Chapter 61 Forest Land)
211	Non-Productive Vacant Land
22 Open Land in a Commercial Area	
220	Commercial Vacant Land (acreage without site improvements and not in commercial use)
221	Underwater Land or Marshes not under public ownership located in commercially zoned area
23 Open Land in an Industrial Area	
230	Industrial Vacant Land (acreage without site improvements and not in commercial or industrial use)
231	Underwater Land or Marshes not under public ownership located in an industrial area
26 Forest Land	

261	All land designated under Chapter 61
262	Christmas Trees
27 Agricultural/Horticultural - Productive Land	
270	Cranberry Bog
271	Tobacco, Sod
272	Truck Crops - vegetables
273	Field Crops - hay, wheat, tillable forage cropland etc.
274	Orchards - pears, apples, grape vineyards etc.
275	Christmas Trees
276	Necessary related land-farm roads, ponds, land under farm buildings
277	Productive Woodland - woodlots
278	Pasture
279	Nurseries
28 Recreational Land	
280	Productive woodland -woodlots
281	Hiking - trails or paths, Camping - areas with sites for overnight camping, Nature Study - areas specifically for nature study or observation
282	Boating - areas for recreational boating and supporting land facilities
283	Golfing - areas of land arranged as a golf course
284	Horseback Riding - trails or areas
285	Hunting - areas for the hunting of wildlife and Fishing Areas
286	Alpine Skiing - areas for “downhill” skiing and Nordic Skiing - areas for “cross-country” skiing
287	Swimming Areas and Picnicking Areas 288Public Non-Commercial Flying - areas for gliding or hand-gliding
289	Target Shooting - areas for target shooting such as archery, skeet or approved fire-arms
29 Agricultural/Horticultural - Non-Productive Land	
290	Wet land, scrub land, rock land
CODE 3 COMMERCIAL	
30 Transient Group Quarters	
300	Hotels
301	Motels
302	Inns, Resorts or Tourist Homes 303..... (Intentionally left blank)
304	Nursing Homes - includes property designed for minimal care with or without medical facilities
305	Private Hospitals
306	Care and Treatment Facilities - designed and used on a transient basis, including half-way houses or other types of facilities that service the needs of people
30 Storage Warehouses and Distribution Facilities	
310	Tanks Holding Fuel and Oil Products for Retail Distribution, either Above Ground or Underground (Underground tanks of service stations would be real estate, however, above ground tanks that rest on concrete saddles or steel frames that can be separated without damage are personal property.)
311	Bottled Gas and Propane Gas Tanks
312	Grain and Feed Elevators
313	Lumber Yards

314	Trucking Terminals
315	Piers, Wharves, Docks and related facilities that are used for storage and transit of goods
316	Other Storage, Warehouse and Distribution facilities (see also Industrial Code 401)
317	Farm Buildings - barns, silo, utility shed, etc.
318	Commercial Greenhouses
30 Retail Trade	
321	Facilities providing building materials, hardware and farm equipment, heating, hardware, plumbing, lumber supplies and equipment
322	Discount Stores, Junior Department Stores, Department Stores
323	Shopping Centers/Malls
324	Supermarkets (in excess of 10,000 sq. ft.)
325	Small Retail and Services stores (under 10,000 sq. ft.)
326	Eating and Drinking Establishments - restaurants, diners, fast food establishments, bars, nightclubs
33 Retail Trade - Automotive, Marine Craft and Other Engine Propelled Vehicles, Sales and Service	
330	Automotive Vehicles Sales and Service
331	Automotive Supplies Sales and Service
332	Auto Repair Facilities
333	Fuel Service Areas - providing only fuel products
334	Gasoline Service Stations - providing engine repair or maintenance services, and fuel products
335	Car Wash Facilities
336	Parking Garages
337	Parking Lots - a commercial open parking lot for motor vehicles
338	Other Motor Vehicles Sales and Services
34 Office Building	
340	General Office Buildings
341	Bank Buildings
342	Medical Office Buildings
35 Public Service Properties (see Code 9 for Exempt Public Service Properties)	
350	Property Used for Postal Services
351	Educational Properties
352	Day Care Centers, Adult (see also Code 140)
353	Fraternal Organizations
354	Bus Transportation Facilities and Related Properties
355	Funeral Homes
356	Miscellaneous Public Services - professional membership organizations, business associations, etc.
35 Cultural and Entertainment Properties	
360	Museums
361	Art Galleries
362	Motion Picture Theaters
363	Drive-In Movies
364	Legitimate Theaters

365	Stadiums
366	Arenas and Field Houses
367	Race Tracks
368	Fairgrounds and Amusement Parks
369	Other Cultural and Entertainment Properties
36 Indoor Recreational Facilities	
370	Bowling
371	Ice Skating
372	Roller Skating
373	Swimming Pools
374	Health Spas
375	Tennis and/or Racquetball Clubs
376	Gymnasiums and Athletic Clubs
377	Archery, Billiards, other indoor facilities
35 Outdoor Recreational Properties (excluding those classified under General Laws 61B)	
380	Golf Courses
381	Tennis Courts
382	Riding Stables
383	Beaches or Swimming Pools
384	Marinas - including marine terminals & associated areas primarily for recreational marine craft
385	Fish and Game Clubs
386	Camping Facilities - accommodations for tents, campers or travel trailers
387	Summer Camps - children's camps
388	Other Outdoor facilities - e.g., driving ranges, miniature golf, baseball batting ranges, etc.
389	Structures on land classified under Chapter 61B Recreational Land
39 Vacant Land - Accessory to Commercial parcel or not specifically included in another class	
390	Developable Land
391	Potentially developable Land
392	Undevelopable Land
393	Agricultural/Horticultural Land not included in Chapter 61A
CODE 4 INDUSTRIAL	
40 Manufacturing and Processing	
400	Buildings for manufacturing operations
401	Warehouses for storage of manufactured products
402	Office Building - part of manufacturing operation
403	Land - integral part of manufacturing operation
404	Research and Development facilities
41 Mining and Quarrying	
410	Sand and Gravel
411	Gypsum
412	Rock

413	Other
42 Utility Properties	
420	Tanks
421	Liquid Natural Gas Tanks
423	Electric Transmission Right-of-Way
424	Electricity Regulating Substations
425	Gas Production Plants
426	Gas Pipeline Right-of Way
427	Natural or Manufactured Gas Storage
428	Gas Pressure Control Stations
40 Utility Properties - Communication	
430	Telephone Exchange Stations
431	Telephone Relay Towers
432	Cable TV Transmitting Facilities
433	Radio, Television Transmission Facilities
44 Vacant Land - Accessory to Industrial Property	
440	Developable Land
441	Potentially Developable Land
442	Undevelopable Land
45 Electric Generation Plants	
450	Electric Generation Plants
451	Electric Generation Plants, Renewable
452	Electric Generation Plants, Agreement Value
CODE 5 PERSONAL PROPERTY	
501	Individuals, Partnerships, Associations, Trusts, Limited Liability Companies and other non-incorporated entities filing for federal income tax purposes as non- incorporated entities
502	Business Corporations, as defined in Chapter 63 §30 and taxable under Chapter 63§39, including unincorporated entities treated as corporations for federal income tax purposes.
503	Classified Manufacturing Corporations*, as defined in Ch. 63 §42B, including unincorporated entities treated as corporations for federal income tax purposes.
504	Utility Corporations, other than Telephone & Telegraph and Pipeline Corporation, taxed as business corporations, including unincorporated entities treated as corporations for federal income tax purposes.
505	Machinery, Poles, Wires and Underground Conduits, Wires and Pipes of all Telephone and Telegraph Companies, as determined by the Commissioner of Revenue.
506	Pipelines of 25 Miles or More in Length for Transmitting Natural Gas or Petroleum, as determined by the Commissioner of Revenue.
508	Cellular/Mobile Wireless Telecommunications Companies
550	Electric Generation Plants Personal Property
551	Electric Generation Plant P.P., Renewable
552	Electric Generation P. P., Agreement Value
CODE 6 FOREST LAND	
601	All land designated under Chapter 61
602	Christmas Trees

CODE 7 AGRICULTURAL/HORTICULTURAL	
71 Productive Land (Including Necessary and Related Land)	
710	Cranberry Bog
711	Tobacco, Sod
712	Truck Crops - vegetables
713	Field Crops - hay, wheat, tillable forage cropland etc.
714	Orchards - pears, apples, grape vineyards etc.
715	Christmas Trees
716	Necessary Related Land-farm roads, ponds, Land under farm buildings
717	Productive Woodland - woodlots
718	Pasture
719	Nurseries
71 Non-Productive Land	
720	Wet land, scrub land, rock land
CODE 8 RECREATIONAL LAND	
801	Hiking - trails or paths
802	Camping - areas with sites for overnight camping
803	Nature Study - areas specifically for nature study or observation
804	Boating - areas for recreational boating and supporting land facilities
805	Golfing - areas of land arranged as a golf course
806	Horseback Riding - trails or areas
807	Hunting - areas for the hunting of wildlife
808	Fishing Areas
809	Alpine Skiing - areas for "downhill" skiing
810	Nordic Skiing - areas for "cross-country" skiing
811	Swimming Areas
812	Picnicking Areas
813	Public Non-Commercial Flying - areas for gliding or hand-gliding
814	Target Shooting - areas for target shooting such as archery, skeet or approved fire-arms
815	Productive Woodland - woodlots
CODE 9 EXEMPT PROPERTY	
90 Public Service Properties	
900	United States Government
901	(Intentionally left blank)
90 Commonwealth of Massachusetts – Reimbursable Land	
910	Department of Conservation and Recreation, Division of State Parks and Recreation
911	Division of Fisheries and Wildlife, Environmental Law Enforcement
912	Department of Corrections, Division of Youth Services
913	Department of Public Health, Soldiers' Homes
914	Department of Mental Health, Department of Mental Retardation
915	Department of Conservation and Recreation, Division of Water Supply Protection

916	Military Division – Campgrounds
917	Education – Univ. of Mass, State Colleges, Community Colleges
918	Department of Environmental Protection, Low-level Radioactive Waste Management Board
919	Other
90 Commonwealth of Massachusetts – Non-Reimbursable	
920	Department of Conservation and Recreation, Division of Urban Parks and Recreation
921	Division of Fisheries and Wildlife, DFW Environmental Law Enforcement, Department of Environmental Protection
922	Department of Corrections, Division of Youth Services, Mass Military, State Police, Sheriffs' Departments
923	Department of Public Health, Soldiers' Homes, Department of Mental Health, Department of Mental Retardation
924	Mass Highway Department
925	Department of Conservation and Recreation Division of Water Supply Protection conservation restrictions and sewer easements, Urban Parks
926	Judiciary
927	Education – Univ. of Mass, State Colleges, Community Colleges
928	Division of Capital Asset Management, Bureau of State Office Buildings
929	Other
93 Municipal or County Codes (GASB 34 Codes)	
930	Vacant, Selectmen or City Council 931Improved, Selectmen or City Council 932Vacant, Conservation
933	Vacant, Education
934	Improved, Education
935	Improved, Municipal Public Safety 936Vacant, Tax Title/ Treasurer
937	Improved, Tax Title/ Treasurer 938Vacant, District
939	Improved, District
94 Educational Private (GASB 34 Codes)	
940	Elementary Level
941	Secondary Level
942	College or University
943	Other Educational
944	Auxiliary Athletic
945	Affiliated Housing
946	Vacant
947	Other
95 Charitable (GASB 34 Codes)	
950	Vacant, Conservation Organizations
951	Other
952	Auxiliary Use (Storage, Barns, etc.)
953	Cemeteries
954	Function Halls, Community Centers, Fraternal Organizations
955	Hospitals
956	Libraries, Museums
957	Charitable Services

958	Recreation, Active Use
959	Housing, Other
96 Religious Groups (GASB 34 Codes)	
960	Church, Mosque, Synagogue, Temple, etc.
961	Rectory or Parsonage, etc.
962	Other
97 Authorities (GASB 34 Codes)	
970	Housing Authority
971	Utility Authority, Electric, Light, Sewer, Water
972	Transportation Authority
973	Vacant, Housing Authority
974	Vacant, Utility Authority
975	Vacant, Transportation Authority
98 Land Held by other Towns, Cities or Districts (GASB 34 Codes)	
980	Vacant, Selectmen or City Council, Other City or Town
981	Improved, Selectmen or City Council, Other City or Town
982	Vacant, Conservation, Other City or Town
985	Improved Municipal or Public Safety, Other City or Town
988	Vacant, Other District
989	Improved, Other District
99 Other	
990	121A Corporations
991	Vacant, County or Regional
992	Improved, County or Regional, Deeds or Administration
993	Improved County or Regional Correctional
994	Improved County or Regional Association Commission
995	Other, Open Space
996	Other, Non-Taxable Condominium Common Land
997	Other

NEW YORK

Code	Category	Description	Notes
100	AGRICULTURAL		
105	Agricultural Vacant Land (Productive)	Land used as part of an operating farm. It does not have living accommodations and cannot be specifically related to any of the other divisions in the agricultural category. Usually found when an operating farm is made up of a number of contiguous parcels.	
110	Livestock and Products		
111	Poultry and Poultry Products: eggs, chickens, turkeys, ducks and geese		
112	Dairy Products: milk, butter and cheese		
113	Cattle, Calves, Hogs		
114	Sheep and Wool		
115	Honey and Beeswax		
116	Other Livestock: donkeys, goats		
117	Horse Farms		
120	Field Crops	Potatoes, wheat, hay, dry beans, corn, oats, and other field crops.	
129	Acquired Development Rights	Land for which development rights have been acquired by a governmental agency (e.g., certain agricultural lands in Suffolk County).	
130	Truck Crops (Mucklands)	Muckland used to grow potatoes, sugar beets, onions, snap beans, tomatoes, cabbage, lettuce, cauliflower, sweet corn, celery, etc.	
140	Truck Crops (Not Mucklands)	Nonmuckland used to grow onions, snap beans, tomatoes, cabbage, lettuce, cauliflower, sweet corn, celery, carrots, beets, peas, etc.	
150	Orchard Crops		
151	Apples, Pears, Peaches, Cherries, etc.		
152	Vineyards		
160	Other Fruits	Strawberries, raspberries, dewberries, currants, etc.	
170	Nursery and Greenhouse	Buildings, greenhouses and land used for growing nursery stock, trees, flowers, hothouse plants, mushrooms, etc.	
180	Specialty Farms		
181	Fur Products: mink, chinchilla, etc.		
182	Pheasant, etc.		
183	Aquatic: oysterlands, fish and aquatic plants		
184	Livestock: deer, moose, llamas, buffalo, etc.		

Code	Category	Description	Notes
190	Fish, Game and Wildlife Preserves		
200	RESIDENTIAL		
210	One Family Year-Round Residence	A one family dwelling constructed for year-round occupancy (adequate insulation, heating, etc.).	If not constructed for year-round occupancy, see code 260.
215	One Family Year-Round Residence with Accessory Apartment	A one family, year round residence with a secondary self contained dwelling unit. Accessory apartments are usually contained within or added to the principle residence and are often occupied by immediate family members.	
220	Two Family Year-Round Residence	A two family dwelling constructed for year-round occupancy.	
230	Three Family Year-Round Residence	A three family dwelling constructed for year-round occupancy.	
240	Rural Residence with Acreage	A year-round residence with 10 or more acres of land; it may have up to three year-round dwelling units.	
241	Primary residential, also used in agricultural production		
242	Recreational use		
250	Estate	A residential property of not less than 5 acres with a luxurious residence and auxiliary buildings.	
260	Seasonal Residences	Dwelling units generally used for seasonal occupancy; not constructed for year-round occupancy (inadequate insulation, heating, etc.). If the value of the land and timber exceeds the value of the seasonal dwelling, the property should be listed as forest land (see category 900).	If constructed for year-round occupancy, see code 210.
270	Mobile Home	A portable structure built on a chassis and used as a permanent dwelling unit.	
271	Multiple Mobile Homes	More than one mobile home on one parcel of land; not a commercial enterprise.	
280	Residential	Multi-Purpose/Multi-Structure	
281	Multiple Residences	More than one residential dwelling on one parcel of land. May be a mixture of codes 210's, 220's, and 230's, or all one type.	
283	Residence with Incidental Commercial Use	A residence which has been partially converted or adapted for commercial use (e.g. residence with small office in basement). Primary use is residential.	
300	VACANT LAND		
310	Residential		
311	Residential Vacant Land	Vacant lots or acreage located in areas.	
312	Residential Land Including a Small Improvement (not used for living accommodations)	Includes a private garage on a parcel of land separate from the residence. Does not include a small garage where space is being rented out (see code 439).	
314	Rural Vacant Lots of 10 Acres or Less	Located in rural residential areas.	

Code	Category	Description	Notes
315	Underwater Vacant Land	Underwater land, in a seasonal residential area, not owned by a governmental jurisdiction.	
320	Rural		
321	Abandoned Agricultural Land	Nonproductive; not part of an operating farm.	
322	Residential Vacant Land Over 10 Acres	Located in rural areas.	
323	Other Rural Vacant Lands	Waste lands, sand dunes, salt marshes, swamps, rocky areas, and woods and brush of noncommercial tree species not associated with forest lands.	
330	Vacant Land Located in Commercial Areas		
331	Commercial Vacant Land with Minor Improvements		
340	Vacant Land Located in Industrial Areas		
341	Industrial Vacant Land with Minor Improvements		
350	Urban Renewal or Slum Clearance	Vacant lots or acreage undergoing urban renewal or slum clearance; improvements must be abandoned.	
351	Shell Building (Residential)	Vacant land with a residential building envelope. The improvement reflects the framework or outer structure of a building without any interior finish.	
352	Shell Building (Commercial)	Vacant land with a commercial building envelope. The improvement reflects the framework or outer structure of a building without any interior finish.	
380	Public Utility Vacant Land	Public utility company vacant land.	
400	COMMERCIAL		
410	Living Accommodations		
411	Apartments		
414	Hotel		
415	Motel		
416	Mobile Home Parks (trailer parks, trailer courts)	The mobile homes are usually owner occupied but the land and facilities are rented or leased. (See code 270 for individual mobile homes.)	
417	Camps, Cottages, Bungalows	Usually rented on a seasonal basis.	
418	Inns, Lodges, Boarding and Rooming Houses, Tourist Homes, Fraternity and Sorority Houses	Sleeping accommodations with or without meals or kitchen privileges.	
420	Dining Establishments		
421	Restaurants	Facilities which serve full course meals with or without legal beverages.	

Code	Category	Description	Notes
422	Diners and Luncheonettes	Usually year-round facilities with counter service and limited seating.	
423	Snack Bars, Drive-Ins, Ice Cream Bars	Usually seasonal, with window and/or car service, possibly limited counter service (e.g., A&W Root Beer, Tastee Freeze Ice Cream, etc.).	
424	Night Clubs	Facilities which feature an extensive menu, legal beverages and live entertainment.	
425	Bar	Facilities which serve only legal beverages, not food.	
426	Fast Food Franchises	Year-round, with counter service, limited menus and a drive-up window (e.g., McDonald's, Burger King, etc.).	
430	Motor Vehicle Services		
431	Auto Dealers (Sales and Service)	Includes truck or farm machinery dealerships, auto or truck rental agencies, motor home sales and service facilities, etc.	
432	Service and Gas Stations	Sell gasoline and/or provide minor repairs and services.	
433	Auto Body, Tire Shops, Other Related Auto Sales	Specialized auto equipment and repair (e.g., Goodyear Tire Center, Firestone Stores, etc.).	
434	Automatic Car Wash	Car is pulled through a series of cleaning processes.	
435	Manual Car Wash	Car is driven into a stall; revolving brushes rotate around the car (semiautomatic).	
436	Self-Service Car Wash	Usually a multi stall structure featuring a car owner operated coin system with spray type hoses for washing and rinsing a car.	
437	Parking Garage	Usually a multistory structure with elevators and/or ramps, used mainly for car storage.	
438	Parking Lot	A commercial open parking lot for motor vehicles.	
439	Small Parking Garage	A garage with two or more stalls, usually found in a residential area, being rented for parking.	
440	Storage, Warehouse and Distribution Facilities		
441	Fuel Storage and Distribution Facilities	Facility for fuel storage and distribution including gasoline, oil, liquid petroleum bottled gas, natural gas, and coal.	
442	Mini Warehouse (Self Storage)	This use reflects the partitioned warehouse space used for multiple tenant self service storage.	
443	Grain and Feed Elevators, Mixers, Sales Outlets		
444	Lumber Yards, Sawmills		
445	Coal Yards, Bins		
446	Cold Storage Facilities	Used for perishables, produce or other items.	
447	Trucking Terminals		
448	Piers, Wharves, Docks and Related Facilities		
449	Other Storage, Warehouse and Distribution Facilities		

Code	Category	Description	Notes
450	Retail Services		
451	Regional Shopping Centers	Multi occupant facilities with ten or more stores, usually featuring a large department store or two, and ample paved parking.	
452	Area or Neighborhood Shopping Centers	Smaller shopping facilities which usually feature a junior department store, several other stores, and ample parking; may include a supermarket.	
453	Large Retail Outlets	These facilities are usually complemented by a large supermarket and have ample parking (e.g., Ames, Wal-Mart, etc.).	
454	Large Retail Food Stores	These facilities usually belong to a chain and sell food and sundry items (e.g., Price Chopper, Hannaford, Topps, Wegmans, P&C, Big M, etc.).	
455	Dealerships (Sales and Service other than auto with large sales operation)	Boats (also refer to code 570), snowmobiles, garden equipment, etc.	
460	Banks and Office Buildings		
461	Standard Bank/Single Occupant		
462	Drive-In Branch Bank		
463	Bank Complex with Office Building		
464	Office Building		
465	Professional Building		
470	Miscellaneous Services		
471	Funeral Homes		
472	Dog Kennels, Veterinary Clinics		
473	Greenhouses		
474	Billboards		
475	Junkyards		
480	Multiple Use or Multi-purpose	A building readily adaptable, with little physical change, for more than one use or purpose.	
481	Downtown Row Type (with common wall)	Usually a two or three story older structure with retail sales/services on the first floor and offices and/or apartments on the upper floors; little or no on-site parking.	
482	Downtown Row Type (detached)	The same type of use as in code 481, above, but this is a separate structure without party walls.	
483	Converted Residence	A building usually located in a residential area, which has been partially converted or adapted for office space (e.g., a doctor's or dentist's office with an apartment upstairs).	
484	One Story Small Structure	Usually a modern, one occupant, building adaptable for several uses (e.g., retail clothing store, small office, warehouse, pet shop, etc.).	

Code	Category	Description	Notes
485	One Story Small Structure (Multi occupant)	Usually partitioned for two or more occupants, such as a liquor store, drug store, and a laundromat; limited parking on site.	
486	Minimart	Combination snack bar, market and gas station.	
500	RECREATION AND ENTERTAINMENT		
510	Entertainment Assembly		
511	Legitimate Theaters	Used primarily for live presentations of the performing arts (opera, drama, musicals, symphonies, ballet, etc.).	
512	Motion Picture Theaters (excludes drive-in theaters)		
513	Drive-In Theaters		
514	Auditoriums, Exhibition and Exposition Halls		
515	Radio, T.V. and Motion Picture Studios		
520	Sports Assembly		
521	Stadiums, Arenas, Armories, Field Houses		
522	Racetracks	Used for auto, horse, motorcycle, go-cart, or drag racing.	
530	Amusement Facilities		
531	Fairgrounds		
532	Amusement Parks		
533	Game Farms		
534	Social Organizations	Elks, Moose, Eagles, and Veterans' Posts, etc., whose primary purpose is social activities for members.	
540	Indoor Sports Facilities		
541	Bowling Centers		
542	Ice or Roller Skating Rinks		
543	YMCA's, YWCA's, etc.		
544	Health Spas		
545	Indoor Swimming Pools		
546	Other Indoor Sports	Tennis courts, archery ranges, billiard centers, etc.	
550	Outdoor Sports Activities		
551	Skiing Centers	May include sleeping and dining facilities; not ski facilities of resort complexes.	
552	Public Golf Courses	May include other associated sports facilities and/or dining facilities.	
553	Private Golf Country Clubs	Includes those with other sports and dining facilities.	
554	Outdoor Swimming Pools		
555	Riding Stables		

Code	Category	Description	Notes
556	Ice or Roller Skating Rinks (may be covered)		
557	Other Outdoor Sports	Driving ranges, miniature golf, tennis, baseball, batting ranges, polo fields, etc.	
560	Improved Beaches	Improvements include bath houses, parking facilities, etc.	
570	Marinas	Improvements include docks and piers, boat storage facilities, repair shops, etc.	
580	Camps, Camping Facilities and Resorts		
581	Camps	Used by groups of children and/or adults.	
582	Camping Facilities	Improved areas/parks with accommodations for tents, campers or travel trailers or RV's.	
583	Resort Complexes	Dude ranches, resort hotels with sports facilities, etc.	
590	Parks		
591	Playgrounds		
592	Athletic Fields		
593	Picnic Grounds		
600	COMMUNITY SERVICES		
610	Education		
611	Libraries		
612	Schools	General, elementary and secondary.	
613	Colleges and Universities		
614	Special Schools and Institutions	Used for the physically or mentally impaired.	
615	Other Educational Facilities		
620	Religious		
630	Welfare		
631	Orphanages		
632	Benevolent and Moral Associations		
633	Homes for the Aged		
640	Health		
641	Hospitals		
642	All Other Health Facilities		
650	Government		
651	Highway Garage	Used for the storage and maintenance of highway equipment by any governmental jurisdiction; includes associated land.	
652	Office Building	Owned by any governmental jurisdiction; includes associated land.	

Code	Category	Description	Notes
653	Parking Lots	Owned by any governmental jurisdiction; includes land and appurtenant structures such as open single level lots as well as multilevel parking garages.	
660	Protection		
661	Army, Navy, Air Force, Marine and Coast Guard	Installations, Radar, etc.	
662	Police and Fire Protection, Electrical Signal	Equipment and Other Facilities for Fire, Police, Civil Defense, etc.	
670	Correctional	Used by any governmental jurisdiction for housing within the criminal justice system.	
680	Cultural and Recreational		
681	Cultural Facilities	Museums, art galleries, etc.	
682	Recreational Facilities	Nature trails, bike paths, etc.	
690	Miscellaneous		
691	Professional Associations		
692	Roads, Streets, Highways and Parkways, Express or Otherwise (if listed) Including Adjoining Land		
693	Indian Reservations		
694	Animal Welfare Shelters		
695	Cemeteries		
700	INDUSTRIAL		
710	Manufacturing and Processing		
712	High Tech. Manufacturing and Processing	These buildings are used as research laboratories with a high percentage of office/laboratory space. The construction costs of these facilities are higher than other warehouse/manufacturing facilities reflecting their architectural design, super adequate upgrades, and more comprehensive finish.	
714	Light Industrial Manufacturing and Processing	These structures may have been built for a specific manufacturing process. They feature high ceilings and open construction which allows for good workflow.	
715	Heavy Manufacturing and Processing	These are large area structures design and built for production. They will have extensive concrete foundations for industrial equipment and a high voltage electrical system.	
720	Mining and Quarrying	This category includes parcels used in or necessary adjunct to the provision of mining and quarrying, i.e., sand and gravel, limestone, trap rock, salt, iron and titanium, talc, lead and zinc, gypsum, and other mining and quarrying.	
730	Wells		
731	Oil	Natural Flow (for production)	
732	Oil	Forced Flow (for production)	

Code	Category	Description	Notes
733	Gas (for production)		
734	Junk		
735	Water used for Oil Production		
736	Gas or Oil Storage Wells		
740	Industrial Product Pipelines	Pipelines used by nonutility companies, and not in Special Franchise.	
741	Gas		
742	Water		
743	Brine		
744	Petroleum Products		
749	Other		
800	PUBLIC SERVICES		
820	Water		
821	Flood Control	Land used for the accumulation, storage or diversion of water for flood control purposes only.	
822	Water Supply	Land used for the accumulation, storage, transmission or distribution of water for purposes other than flood control or production of electricity (e.g., aqueducts and pipelines).	
823	Water Treatment Facilities		
826	Water Transmission	Improvements	
827	Water Transmission	Outside Plant	
830	Communication	Includes all telephones, telecommunications, telegraph, radio, television and CATV property.	
831	Telephone	Telephone and telecommunications land, buildings, towers, antennae, etc., except cellular telephone towers - see 837	
832	Telegraph		
833	Radio		
834	Television other than Community Antenna Television		
835	Community Antenna Television		
836	Telephone Outside Plant	Poles, wires, cable, etc.	
837	Cellular Telephone Towers		
840	Transportation		
841	Motor Vehicle	Land used in the provision of transportation services by motor vehicles (e.g., bus terminals, taxicab garages, truck terminals and warehouses, etc.). Does not include public highways, bridges, tunnels, subways and property used in the maintenance (except by persons providing transportation services), manufacture and sale of motor vehicles.	
842	Ceiling Railroad	Real property for which the State Board establishes the maximum taxable assessed value.	

Code	Category	Description	Notes
843	Nonceiling Railroad		
844	Air		
845	Water	Land used for water transportation (e.g., canal).	
846	Bridges, Tunnels and Subways		
847	Pipelines	Pipelines used by utility companies for the transportation of petroleum products.	This code will be deleted once the Utility Company Assessment Roll Standards (UCARS) have been adopted. After that the appropriate Pipeline designation should be chosen from the 740 series.
850	Waste Disposal	Does not include facilities used exclusively for the disposal of waste from an industrial process, which should be coded as industrial property.	
851	Solid Wastes	Incinerators and waste compacting facilities. Does not include landfills and dumps (see code 852).	
852	Landfills and Dumps		
853	Sewage Treatment and Water Pollution Control		
854	Air Pollution Control		
860	Special Franchise Property	Real property for which the State Board establishes assessments.	
861	Electric and Gas		
862	Water		
866	Telephone		
867	Miscellaneous		
868	Pipelines		
869	Television		
870	Electric and Gas		
871	Electric and Gas Facilities	General electric and gas facilities, buildings, and land including offices, garages, service centers, etc.	
872	Electric SubStation	Electric Power Generation Facilities. Includes all land and facilities associated with electric generating stations, i.e. power plant equipment, reservoirs, dams, power house, penstock pipe, waterway structures, etc.	
873	Gas Measuring and Regulation Station		
874	Electric Power Generation Facility	Hydro	
875	Electric Power Generation Facility	Fossil Fuel	

Code	Category	Description	Notes
876	Electric Power Generation Facility	Nuclear	
877	Electric Power Generation Facility	Other Fuel	
880	Electric and Gas Transmission and Distribution		
882	Electric Transmission Improvement		
883	Gas Transmission Improvement		
884	Electric Distribution	Outside Plant Property	
885	Gas Distribution	Outside Plant Property	
900	WILD, FORESTED, CONSERVATION LANDS AND PUBLIC PARKS		
910	Private Wild and Forest Lands except for Private Hunting and Fishing Clubs	This division includes all private lands which are associated with forest land areas that do not conform to any other property type classification, plus plantations and timber tracts having merchantable timber.	
911	Forest Land Under Section 480 of the Real Property Tax Law		
912	Forest Land Under Section 480-a of the Real Property Tax Law		
920	Private Hunting and Fishing Clubs		
930	State Owned Forest Lands		
931	State Owned Land (Forest Preserve) in the Adirondack or Catskill Parks Taxable Under Section 532-a of the Real Property Tax Law		
932	State Owned Land Other Than Forest Preserve Covered Under Section 532-b, c, d, e, f, or g of the Real Property Tax Law		
940	Reforested Land and Other Related Conservation Purposes		
941	State Owned Reforested Land Taxable Under Sections 534 and 536 of the Real Property Tax Law		

Code	Category	Description	Notes
942	County Owned Reforested Land		
950	Hudson River and Black River Regulating District Land		
960	Public Parks		
961	State Owned Public Parks, Recreation Areas, and Other Multiple Uses		
962	County Owned Public Parks and Recreation Areas		
963	City/Town/Village Public Parks and Recreation Areas		
970	Other Wild or Conservation Lands		
971	Wetlands, Either Privately or Governmentally Owned, Subject to Specific Restrictions as to Use		
972	Land Under Water, Either Privately or Governmentally Owned (other than residential	more properly classified as code 315)	
980	Taxable State Owned Conservation Easements		
990	Other Taxable State Land Assessments		
991	Adirondack Park Aggregate Additional Assessments (Real Property Tax Law, Section 542(3))		
992	Hudson River-Black River Regulating District Aggregate Additional Assessments (Environmental Conservation Law, Section 15-2115)		
993	Transition Assessments for Taxable State Owned Land (Real Property Tax Law, Section 545)		
994	Transition Assessments for Exempt State Owned Land (Real Property Tax Law, Section 545)		

NEW HAMPSHIRE

PROPERTY CODES	PROPERTY TYPES	CONDENSED NAME	*CLASS	**CLASSIFICATION CODES
Improved Residential Land & Building or Building Only Codes				
11	Single Family Home	SFHM	R	GC1
12	Multi-Family 2-4 Units	MFHM	R	GC1
13	Apartment Building 5+ Units	APT5	C	GC1
14	Single Residential Condominium Unit - Even if the unit is part of multi unit block - Condex	RC1U	R	GC1
15	Residential Condominium 2-4 Unit Building - purchase of multiple units	RC24	R	GC1
16	Residential Condominium 5+ Unit Building - purchase of multiple units	RC5+	C	GC1
17	Manufactured Housing with Land (see definition in Glossary)	MHWL	R	GC1
18	Manufactured Housing without Land (see definition in Glossary) RSA 674:31 (metal frame, permanent chassis)	MHNL	R	GC1
19	Unclassified/Unknown Improved Residential - Land/Camper/Camp/Garage outbldg	UUIR	U	GC1
20	Building Only - Residential (Land Leased Properties) RSA 674:31-a (Includes pre-site built housing)	RSBO	R	GC1
Land Only Codes				
22	Residential Land	RESL	R	GC3
23	Commercial Land	COML	C	GC3
24	Industrial Land	INDL	I	GC3
25	Mixed Use Residential/Commercial Land	RECL	C	GC3
26	Mixed Use Commercial/Industrial Land	CMIL	C	GC3
27	Unclassified/Unknown Land	UUKL	U	GC3
Non-Residential Land & Building Codes				
33	Commercial Land & Building	CMLB	C	GC2
34	Industrial Land & Building	INLB	I	GC2
35	Mixed Use Residential/Commercial Land & Building	RCLB	C	GC2
36	Mixed Use Commercial/Industrial Land & Building	CILB	C	GC2
37	Unclassified/Unknown Non-Residential Land & Building	UULB	U	GC2
38	Building Only - Commercial/Non-Residential	NRBO	C	GC2
Non-Residential Condo Codes				
44	Commercial Condominium	COMC	C	GC2
45	Industrial Condominium - Airport Hangars	INDC	I	GC2
46	Unclassified/Unknown Non-Residential Condominium	UUNC	U	GC2
Other Codes				
55	Boatslip Only - Dockominium	BSLP	R	GC4
56	Condominiumized Land Site - Campgrounds	COLS	R	GC4
57	Unclassified/Unknown Other - Easements	UUOT	U	GC4
58	Garage/Storage Unit - Condo garage spaces, parking	STUT	R	GC4
59	Dry Berth	DBTH	R	GC4
CODE	MODIFIER CODES	CONDENSED NAME		
70	Waterfront	WTRF		
71	Water Access	WTRA		
72	Island	ISLD		
73	Waterfront Influence	WTRI		
74	View +	VEW+		
75	View -	VEW-		

AMERICAN PLANNING ASSOCIATION

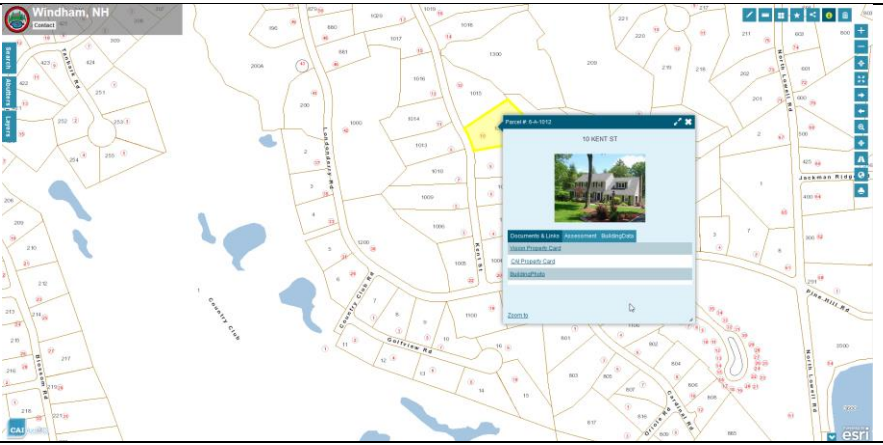
The American Planning Association documents for Land Use Codes are available in PDF format from the following links:

- ❖ [Land-Based Classification Standards: LBCS Tables](#)
- ❖ [Land-Based Classification Standards: Examples of Classification and Coding Schemes Collected for the LBCS Project](#)
- ❖ [Land-Based Classification Standards: Five Dimensions for Classifying Land-Use Data](#)

DRAFT

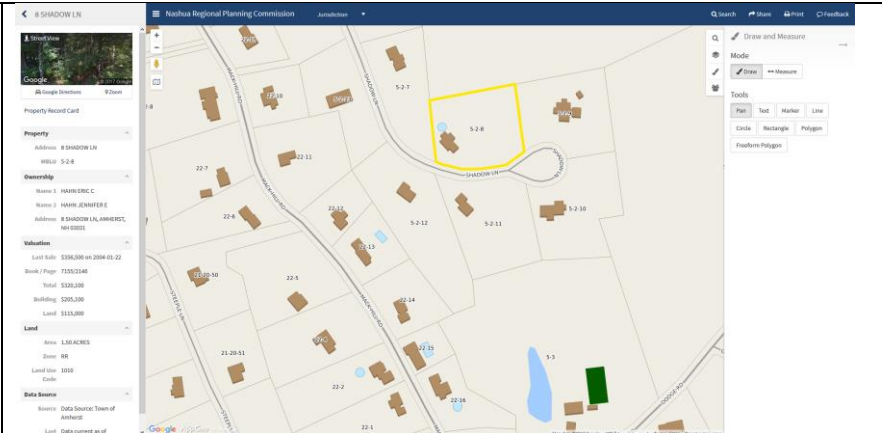
APPENDIX X. APPLICATIONS REVIEWED

CAI TECHNOLOGIES-AXISGIS

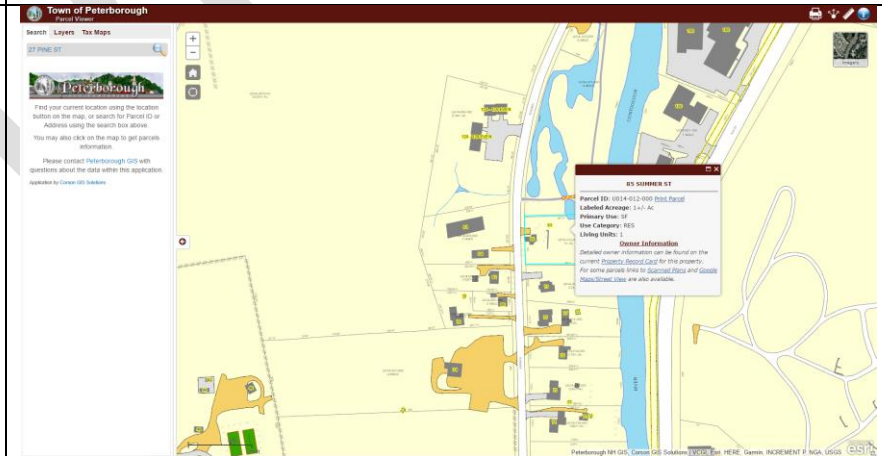
Company Name	CAI Technologies
Location	Littleton, NH
Website	www.cai-tech.com/
Mission Statement	<p>Since Cartographic Associates, Inc. was founded in 1985, our mission has been to develop long-term, mutually beneficial relationships with our clients. As CAI Technologies, our mission has not changed.</p> <p>While technology, processes, and virtually everything else in our world continues to change, our staff members' commitment to our clients' success has not. The CAI Technologies team listens to our clients' needs, understands how to utilize technology and delivers optimal solutions for success. At CAI Technologies we are very proud to serve all our clients, large and small, and we recognize that our success is tied directly to theirs</p>
Product Name	AxisGIS
Product Site	https://www.axisgis.com/WindhamNH/
Server Engine	Esri ArcEnterprise (using AWS) (http://www.esri.com/)
Hosting Options	Cloud Only
Screen Shot	
Estimated Setup	\$5,000-\$10,000
Estimated Annual	\$30,000-\$35,000
Estimated Extra Costs	\$1,000/town to Batch replicate field cards

APPGEO-MAPPGEO

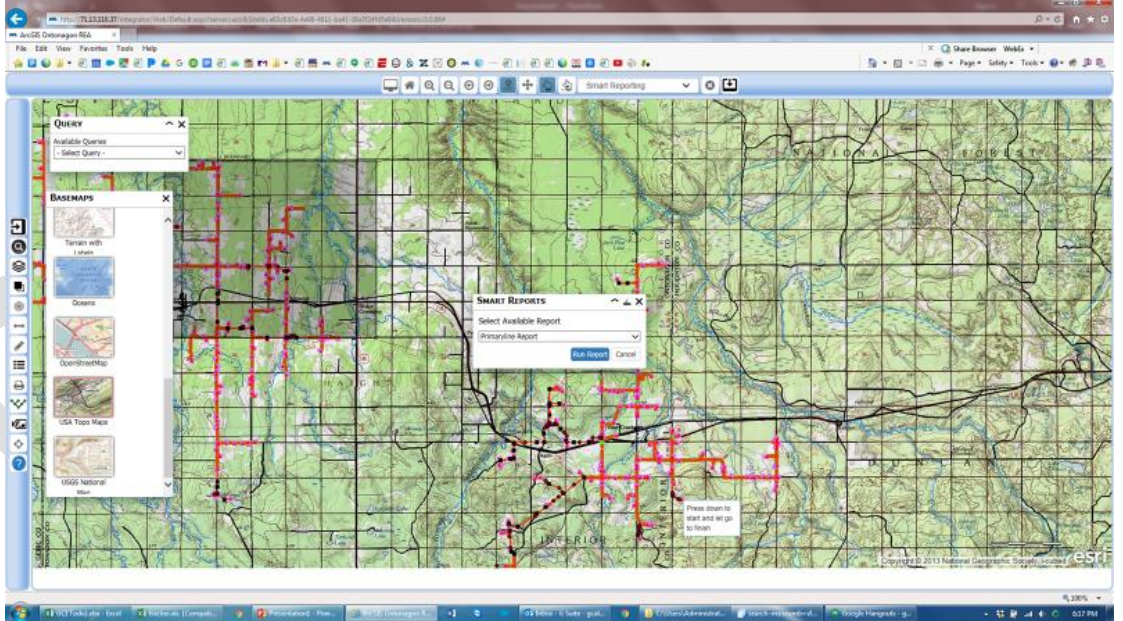
Company Name	Applied Geographics (AppGeo)
Location	Boston, MA
Website	https://www.appgeo.com/
Mission Statement	We believe that information referenced to geography empowers government, citizens and businesses to operate with greater efficiency, deliver improved services, and make better decisions.
Product Name	MapGeo
Product Site	https://stocktonca.mapgeo.io/?latlng=37.973764%2C-121.284422&zoom=12
Server Engine	Carto (https://carto.com/)
Hosting Options	Cloud Only

Screen Shot	
Estimated Setup	\$14,000
Estimated Annual	\$12,000
Estimated Extra Costs	

CORSONGIS-CUSTOM SOLUTION

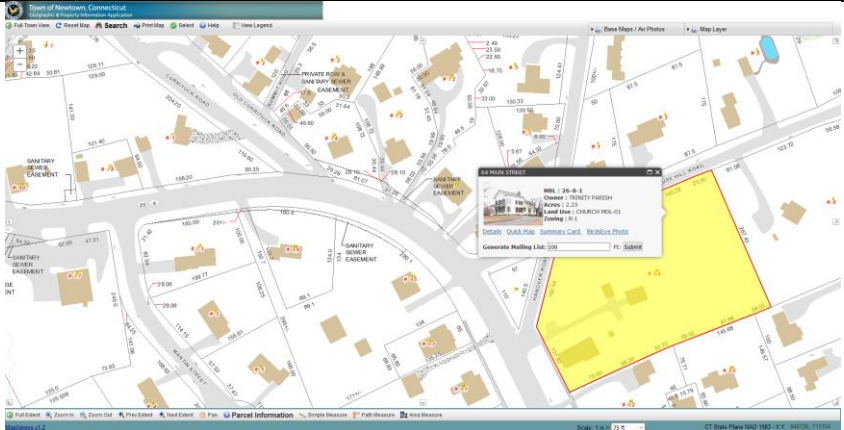
Category	Value
Company Name	CorsonGIS
Location	Portland, ME
Website	http://corsongis.com/
Mission Statement	Corson GIS Solutions is a web-mapping solutions provider and Esri Business Partner. With 20 years of comprehensive Geographic Information System experience, Corson GIS Solutions understands how to build affordable web and mobile solutions to solve our customer's industry-specific needs.
Product Name	Develops custom solutions using ArcGIS stack
Product Site	https://webapps2.cgis-solutions.com/peterboroughnh/parcel/
Server Engine	Esri ArcEnterprise (using AWS) (http://www.esri.com/)
Hosting Options	Cloud Only
Screen Shot	
Estimated Setup	\$10,000
Estimated Annual	\$10,000

MPOWER INNOVATION-INTEGRATOR

Category	Value
Company Name	mPower Innovations
Location	Appleton, WI
Website	http://www.mpowerinnovations.com/
Mission Statement	mPower Innovations is a developer of innovative GIS software solutions that draws upon more than 30 years experience in the geospatial industry. We empower our clients by eliminating costly third party consulting and proprietary development that many other consultants and software providers require. mPower Integrator is an advanced software solution that takes Web GIS functionality and ease of use to a new level. Our clients can easily develop, distribute and own their own advanced, robust GIS applications. With Integrator you can access any ODBC data source, perform administrative tasks, assign user rights, and passwords. The user interface is very intuitive and requires no technical programming. "Pick and Click" wizards are used to quickly create queries, reports, assign new users, access rights and more.
Product Name	Integrator
Product Site	http://gis.co.plymouth.ia.us/Integrator/Web/Default.aspx?server=mapguide&SiteId=43bc5ca8-81f2-4630-a140-456c6a4de936
Server Engine	Esri ArcEnterprise(http://www.esri.com/), AutoDesk Infrastructure Map Server (https://www.autodesk.com/products/infrastructure-map-server/overview), OSGEO Mapguide Open Source (http://www.osgeo.org/)
Hosting Options	Local Network, Cloud (Azure)
Screen Shot	
Estimated Setup	\$25,000
Estimated Annual	\$4,000

NEW ENGLAND GEO

Company Name	New England GeoSystems
Location	Middleton, CT

Website	http://www.ne-geo.com/
Mission Statement	We are confident that New England GeoSystems' commitment to success and our ability to develop and adapt to our clients way of doing business will result in a successful GIS implementation as well as establish a beneficial and positive long-term relationship. I feel that not only will we provide you with excellent service, unmatched quality, and competitive and flexible pricing but I believe that we will establish the relationship you are looking for in a GIS / Mapping / Internet consultant.
Product Name	mapXpress
Product Site	http://maps.newtown-ct.gov/ags_map/
Server Engine	Esri ArcEnterprise (using AWS) (http://www.esri.com/)/ Geocortex (http://www.geocortex.com/)
Hosting Options	Cloud/Internal
Screen Shot	
Estimated Setup	\$20,000-\$25,000
Estimated Annual	\$18,000