

# OLIVER (OnLine Mapping ViewER)

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## Interactive map viewer

[http://maps.massgis.state.ma.us/map\\_ol/oliver.php](http://maps.massgis.state.ma.us/map_ol/oliver.php)

- Compatible with Firefox, Internet Explorer, Chrome, Safari
- Access to hundreds of MassGIS datalayers, with metadata
- Type-ahead datalayer find feature
- Variety of basemaps (MA State Plane, Bing, Google, others)
- Change opacity of layers and basemap; change layer colors
- Length and area measure tools
- Variety of coordinates displayed
- Get more information on features in view or in a drawn shape
- Flexible Bing address search – use zip or town name, 2 cross streets, a building name, a county name, lat/long coordinates
- Simple print layout
- Permalink for browser bookmark/favorite or email to others
- Download data by view, feature polygon or drawn shape
- Download shapefiles and GeoTiffs with metadata
- Download KML for use with Google Earth
- Selected external non-MassGIS datalayers included
- Configurable to allow live editing of points, lines, polygons
- Editing can optionally allow snapping and splitting
- Can include linked zoom dropdowns
- Configurable to create custom viewers which can vary in:

- Which tools are shown
- Datalayers presented
- Initial datalayers, basemap
- Initial geographic extent
- User/password layer security
- Title, help text, logos, banner



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1/19/2012



The screenshot shows the OLIVER web application interface. At the top, a toolbar contains various navigation and tool icons. Annotations with arrows point to these icons: 'Zoom: In Out To a Scale', 'Extent: Initial Full', 'Previous Next', 'Address/Location Search', 'Clear Location Marker', 'Select Features (Identify) by: Box Poly', 'Zoom to Town', 'External WMS', 'Print/Save Permalink', 'Download Data Help', and 'Datalayer Folders'. On the right side, there are two panels: 'Available Data Layers' and 'Active Data Layers'. Annotations point to these panels: 'Datalayer Type-ahead Search' (pointing to the search box), 'Icons indicate type: point, line, poly, raster, layergroup' (pointing to layer icons), 'Right-click layer for metadata' (pointing to a layer name), 'Drag to size windows' (pointing to the panel border), and 'Right-click layer to change color or opacity; remove or zoom to layer' (pointing to a layer's expand/collapse icon). At the bottom, there is a 'Legend' panel with a list of layers and their corresponding colors. Annotations point to it: 'Layer Legends'. At the bottom of the map area, there is a toolbar with icons for measurement and editing. Annotations point to these: 'Measure Tools Menu', 'Measure Results', 'Clear Measurement Lines and Results', 'Optional Draw + Edit Tools Go Here', 'Show/Hide Coordinates, Scale Info', 'Change Coordinates Type', and 'Change Basemap or Basemap opacity'.