

**NDEP e-Map**  
*Public GIS mapping tool*

*Tutorial for New Users*

**Nevada Division of Environmental Protection  
Office of Information Management  
Carson City, NV**

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## Introduction

The e-Map NV application is an internet mapping tool created using ESRI ArcIMS GIS software. It is accessible through your web-browser and can be used interactively to create customized map displays representing data layers of your choice. This tutorial is intended as an introduction to help you get started. It is not a comprehensive user guide.

## Turning on Data Layers

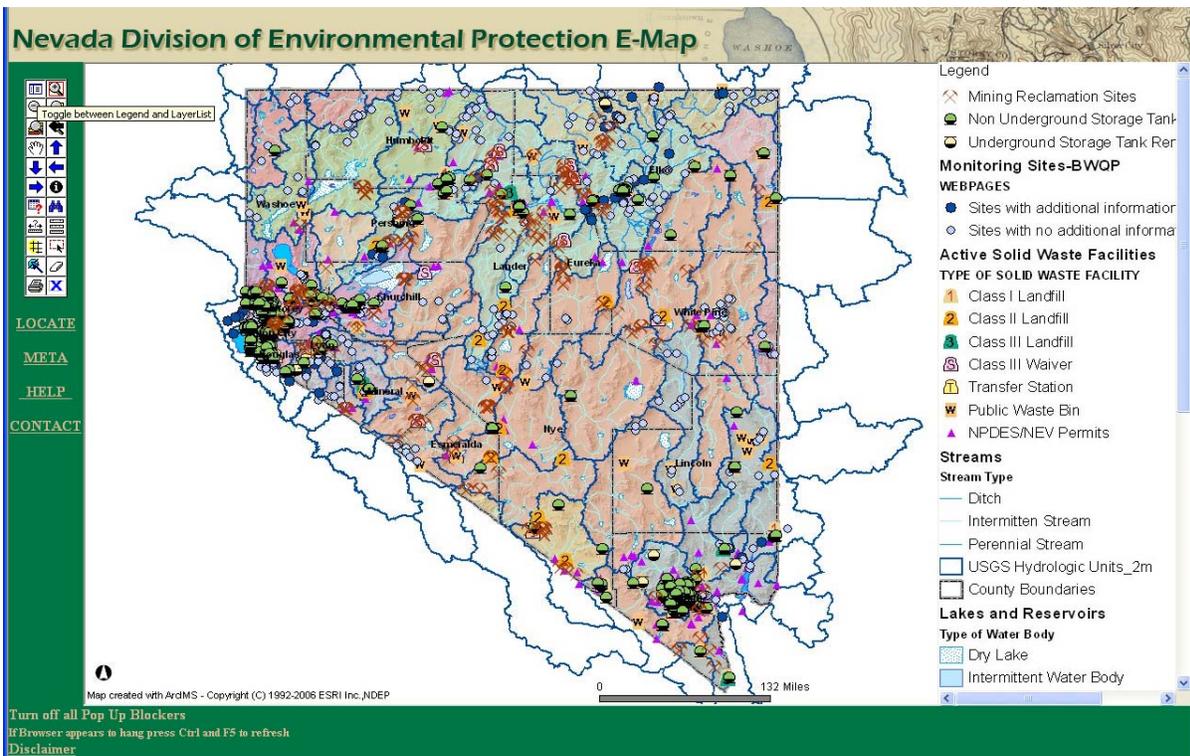
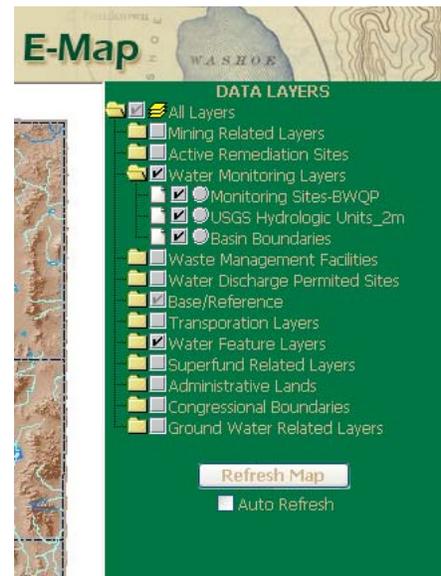
The available data layers are listed on the right side of the map window. Click on a folder to list layers available in that folder, then either click on the check box to make a specific layer visible or click on the box next to the folder to make all the layers in the folder visible.

Each time you select a data layer the map viewer will refresh the screen since the default setting is Auto Refresh. You may wish to uncheck Auto Refresh so that you can select more than one data layer before refreshing the map view.

## Viewing the Legend

The map legend can be viewed by using the toggle tool. 

Click on the upper left hand box on the tool bar located on the left side of the screen. This tool toggles the right hand display between either listing the data layers or displaying the map legend so that map symbols can be discerned.



**Nevada Division of Environmental Protection E-Map**

Legend

- Mining Reclamation Sites
- Non Underground Storage Tank
- Underground Storage Tank Rem
- Monitoring Sites-BWQP**
- WEBPAGES**
- Sites with additional information
- Sites with no additional informa
- Active Solid Waste Facilities**
- TYPE OF SOLID WASTE FACILITY**
- Class I Landfill
- Class II Landfill
- Class III Landfill
- Class III Waiver
- Transfer Station
- Public Waste Bin
- NPDES/NEV Permits
- Streams**
- Stream Type**
- Ditch
- Intermittent Stream
- Perennial Stream
- USGS Hydrologic Units\_2m
- County Boundaries
- Lakes and Reservoirs**
- Type of Water Body**
- Dry Lake
- Intermittent Water Body

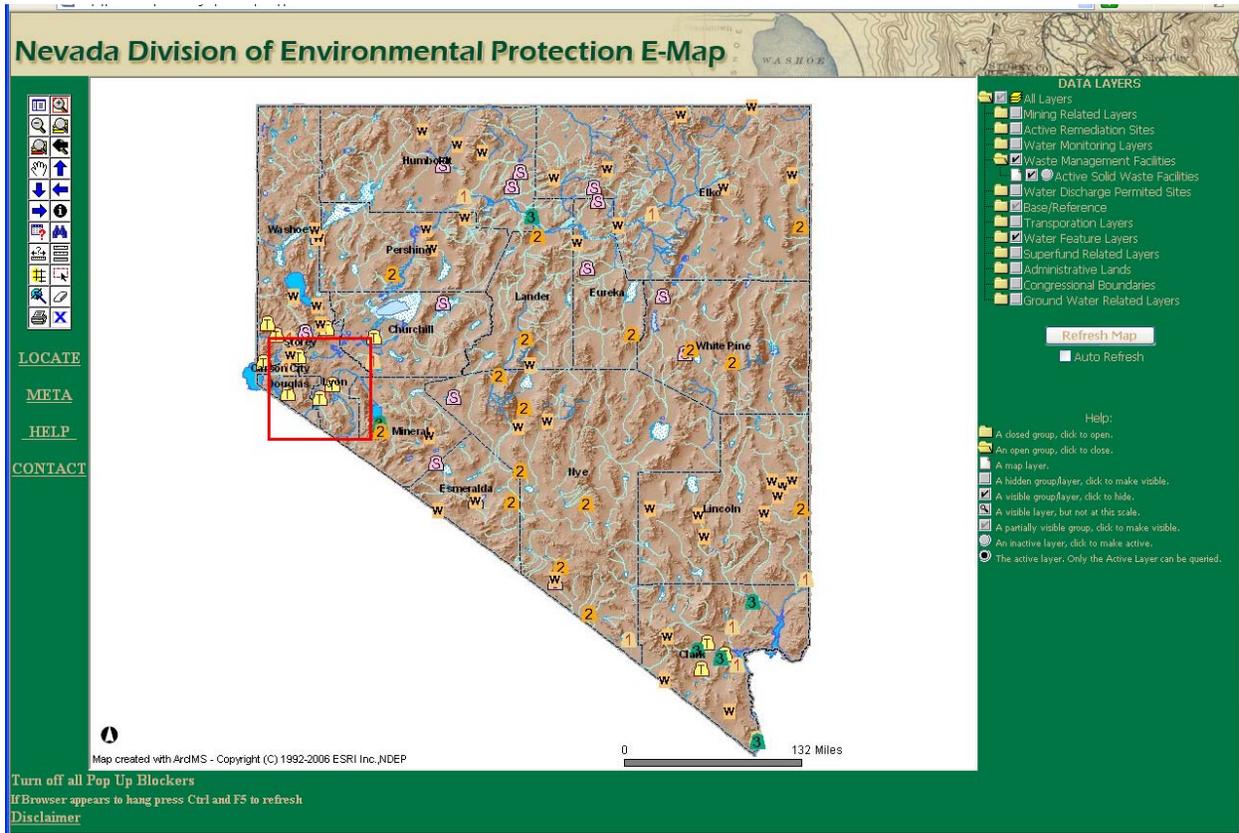
Map created with ArcIMS - Copyright (C) 1992-2006 ESRI Inc, NDEP

0 132 Miles

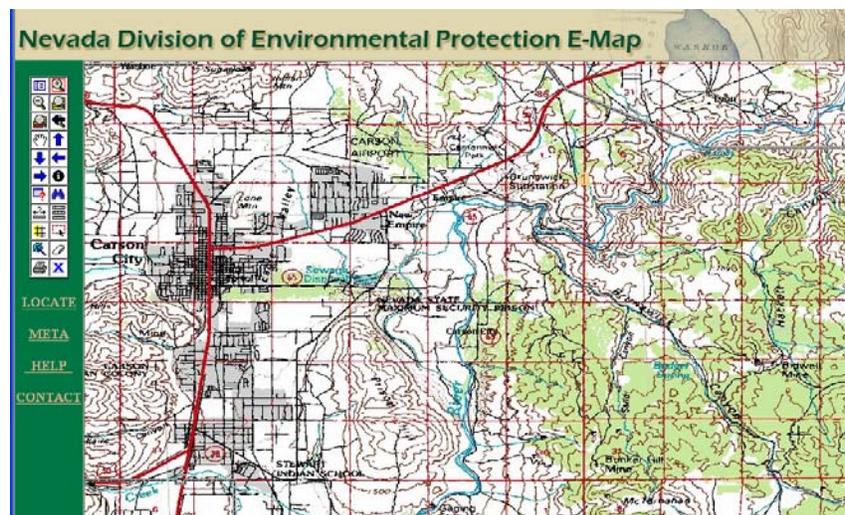
Turn off all Pop Up Blockers  
If Browser appears to hang press Ctrl and F5 to refresh  
Disclaimer

## Using Map Viewing Tools

The map tool bar includes tools that allow the user to change the view by zooming in or out, panning the view, or shifting the view up, down, right or left. A quick method to zoom to a desired view, rather than repeatedly zooming to a point, is to use the zoom in tool  and select a rectangle by holding down the left click button on the mouse and moving the mouse to select the desired area.

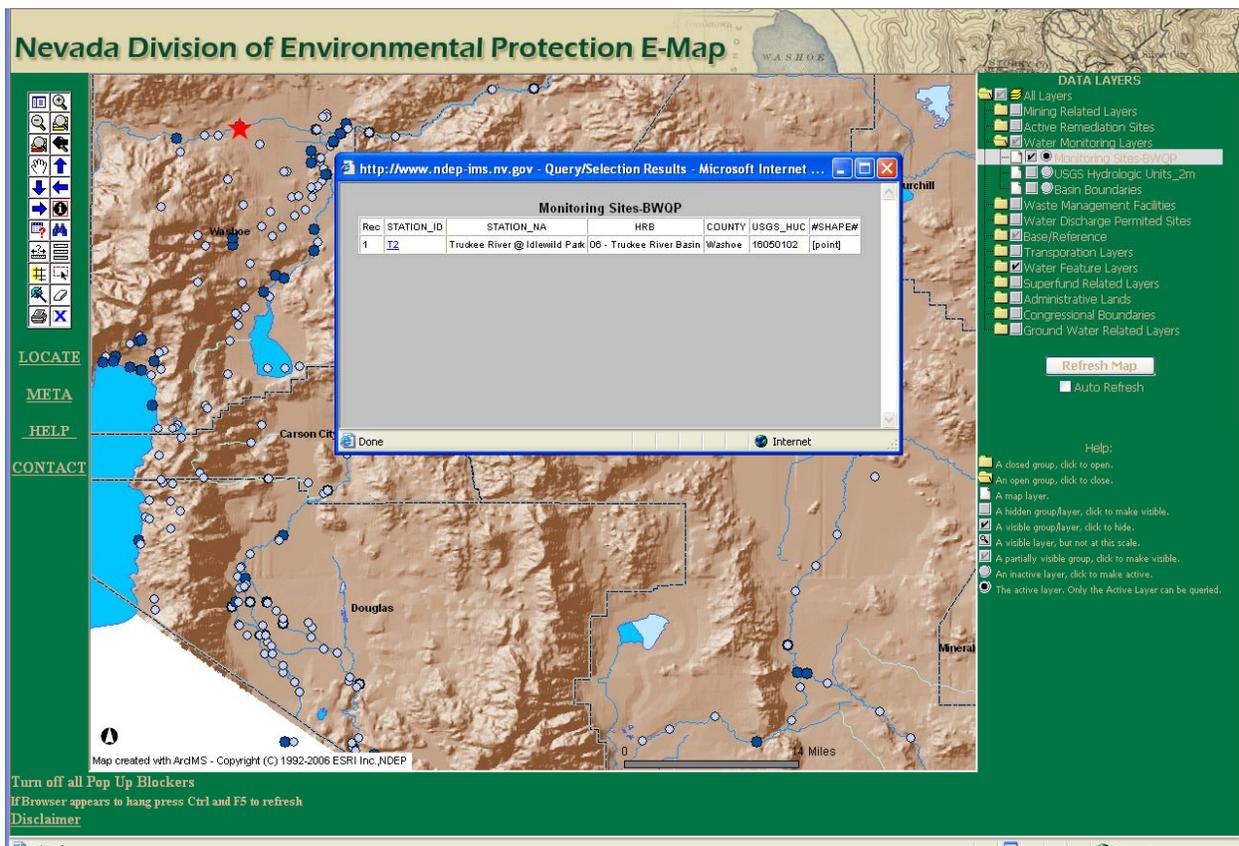


The initial display, at a statewide scale, shows a shaded relief view. Once the user zooms in to a local scale, a topographic base map is displayed.



## Using Query Tools

There are a variety of methods that can be used to identify or locate specific sites of interest or a range of sites. Before you can identify or query data, the data layer representing the sites of interest must be made the “active” layer. Simply click on the circle next to the data layer of interest to make it the active layer. Note: a pop-up box will open indicating that you have selected an active layer, you can close this by clicking the red X in the upper right corner. To identify a specific point of interest, click on the “Identify” tool  on the tool bar, then move the cursor over a particular site and click on it. A query result dialog box will open identifying basic location information associated with the site. The selected site will be identified with a red star, which can be cleared by using the “Clear Selection” tool  on the tool bar.



**Monitoring Sites-BWOP**

Rec	STATION_ID	STATION_NA	HRB	COUNTY	USGS_HUC	#SHAPE#
1	T2	Truckee River @ Idlewild Park	06 - Truckee River Basin	Washoe	16050102	[point]

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**Note:** In the example above, the query result represents a specific surface water monitoring location on the Truckee River. The station ID is a hyperlink to a webpage for that specific location that describes the sampling location and provides links to water monitoring data. Only those locations represented by blue dots include links to additional information.

The “Select by Rectangle” tool  on the tool bar can be used to identify sites within a selected rectangular area. Click on the tool to activate, then stretch a rectangle over an area of

interest. Once a rectangular area is selected, sites of interest within the area are highlighted and a query results dialog box will open showing the results, as in the example below.

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Select by Rectangle

Internet

**Monitoring Sites-BWOP**

Rec	STATION_ID	STATION_NA	HRB	COUNTY	US
1	ALX	Alexander Ditch above Rosewood Lake Golf Course	08 - Truckee River Basin	Washoe	16i
2	BV1	Bella Vista Ranch Site 1 @ Short Lane	08 - Truckee River Basin	Washoe	16i
3	BV2	Bella Vista Ranch site 2	08 - Truckee River Basin	Washoe	16i
4	BV3	Bella Vista Ranch site 3	08 - Truckee River Basin	Washoe	16i
5	CHALK	Chalk Creek	08 - Truckee River Basin	Washoe	16i
6	DC-1	Dry Creek @ Forest Service Boundary	08 - Truckee River Basin	Washoe	15i

**DATA LAYERS**

- All Layers
- Mining Related Layers
- Active Remediation Sites
- Water Monitoring Layers
- Waste Management Facilities
- Active Solid Waste Facilities
- Water Discharge Permitted Sites
- Base/Reference
- Transportation Layers
- Water Feature Layers
- Superfund Related Layers
- Administrative Lands
- Congressional Boundaries
- Ground Water Related Layers

Refresh Map  
Auto Refresh

Help:  
 A closed group, click to open.  
 An open group, click to close.  
 A map layer.  
 A hidden group/layer, click to make visible.  
 A visible group/layer, click to hide.  
 A visible layer, but not at this scale.  
 A partially visible group, click to make visible.  
 An inactive layer, click to make active.  
 The active layer. Only the Active Layer can be queried.

To find a particular site of interest, click on the “Find” tool  . A dialog box will open where you can enter the name of site to search for, e.g. Apex Landfill in the example below. The query result box will display findings and the location of the site will be highlighted on the map.

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Disclaimer

**Find**

Search is Case-Sensitive

Enter String to Find in Active Solid Waste Facilities: Apex Find String

**Active Solid Waste Facilities**

Rec	OBJECTID_1	#SHAPE#	COUNTY	CITY	SITE_NAME
1	40	[point]	Clark	Las Vegas	Apex Regional Landfill

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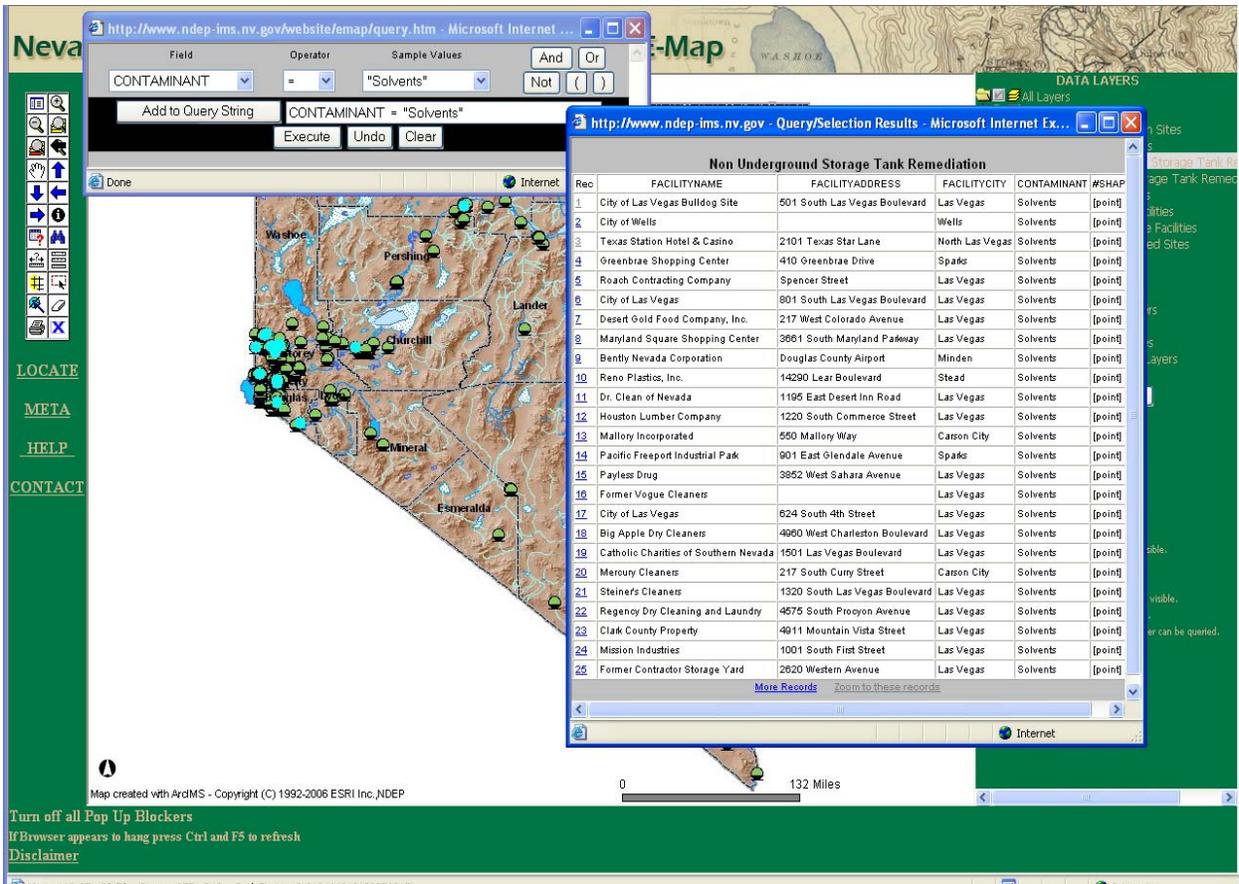
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 A partially visible group, click to make visible.  
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 The active layer. Only the Active Layer can be queried.

The “Query” tool  on the tool bar can be used to search for facilities matching certain parameter values, though using this tool is a bit complicated and the extent of data available to be queried is limited at this time. To use this tool, start by making the data layer of interest the active layer, then click on the query tool on the toolbar. A query dialog box will open which will allow you to create a query statement that can be executed to search available data and return matching values, as follows:

1. Field. Select from available data fields by clicking the drop-down menu under “Field”.
2. Operator. Choose the operator you wish to filter your field with, though note that text fields can only be queried using “=” or “LIKE”.
3. Value. Type in the value you wish to search for in quotes, e.g. “Solvents” or select from a list of sample values by clicking the drop-down menu under “Sample Values”. Note if you use sample values only the first 50 matches will be displayed.
4. Click on “Add to Query String” to create the query. You can add an AND, OR, NOT or parentheses by clicking on these and then add another query string to create a more complex query.
5. To execute the query click Execute and results will be displayed in a table and will be highlighted on the map.

In the example below, Non-Petroleum Remediation sites were chosen as the active layer, then the query tool was used to display sites based on the type of contaminant present, in this case “Solvents” was chosen.



The screenshot displays the Nevada Interactive Map (NIM) interface. A query dialog box is open, showing the following configuration:

- Field: CONTAMINANT
- Operator: =
- Sample Values: Solvents
- Query String: CONTAMINANT = "Solvents"

The results are displayed in a table titled "Non Underground Storage Tank Remediation". The table contains 26 records, each with a record number, facility name, address, city, contaminant type, and a link to the site's SHAP page.

Rec	FACILITYNAME	FACILITYADDRESS	FACILITYCITY	CONTAMINANT	#SHAP
1	City of Las Vegas Bulldog Site	501 South Las Vegas Boulevard	Las Vegas	Solvents	[point]
2	City of Wells		Wells	Solvents	[point]
3	Texas Station Hotel & Casino	2101 Texas Star Lane	North Las Vegas	Solvents	[point]
4	Greenbrae Shopping Center	410 Greenbrae Drive	Sparks	Solvents	[point]
5	Roach Contracting Company	Spencer Street	Las Vegas	Solvents	[point]
6	City of Las Vegas	801 South Las Vegas Boulevard	Las Vegas	Solvents	[point]
7	Desert Gold Food Company, Inc.	217 West Colorado Avenue	Las Vegas	Solvents	[point]
8	Maryland Square Shopping Center	3661 South Maryland Parkway	Las Vegas	Solvents	[point]
9	Bently Nevada Corporation	Douglas County Airport	Minden	Solvents	[point]
10	Reno Plastics, Inc.	14290 Lear Boulevard	Stead	Solvents	[point]
11	Dr. Clean of Nevada	1195 East Desert Inn Road	Las Vegas	Solvents	[point]
12	Houston Lumber Company	1220 South Commerce Street	Las Vegas	Solvents	[point]
13	Mallory Incorporated	550 Mallory Way	Carson City	Solvents	[point]
14	Pacific Freeport Industrial Park	901 East Glendale Avenue	Sparks	Solvents	[point]
15	Payless Drug	3852 West Sahara Avenue	Las Vegas	Solvents	[point]
16	Former Vogue Cleaners		Las Vegas	Solvents	[point]
17	City of Las Vegas	624 South 4th Street	Las Vegas	Solvents	[point]
18	Big Apple Dry Cleaners	4960 West Charleston Boulevard	Las Vegas	Solvents	[point]
19	Catholic Charities of Southern Nevada	1501 Las Vegas Boulevard	Las Vegas	Solvents	[point]
20	Mercury Cleaners	217 South Curry Street	Carson City	Solvents	[point]
21	Steiner's Cleaners	1320 South Las Vegas Boulevard	Las Vegas	Solvents	[point]
22	Regency Dry Cleaning and Laundry	4575 South Procyon Avenue	Las Vegas	Solvents	[point]
23	Clark County Property	4911 Mountain Vista Street	Las Vegas	Solvents	[point]
24	Mission Industries	1001 South First Street	Las Vegas	Solvents	[point]
25	Former Contractor Storage Yard	2620 Western Avenue	Las Vegas	Solvents	[point]

The map in the background shows the state of Nevada with various counties labeled (Washoe, Pershing, Churchill, Clark, Lincoln, Esmeralda, Mineral, Lander) and numerous green circular markers representing the queried sites. A scale bar at the bottom indicates 0 to 132 miles.