

EPA RECOVERY MAPPER: USER GUIDE

November 2010

Version 1.0

1.0 INTRODUCTION

The American Recovery and Reinvestment Act of 2009 (Recovery Act) seeks in part to spur technological advances in science and health and to invest in environmental protection and other infrastructure that will provide long-term economic benefits. The Environmental Protection Agency (EPA) manages over \$7 billion in projects and programs that will help achieve these stimulus goals.

The EPA offers an online Recovery Act mapping system, **EPA Recovery Mapper**, so users can quickly and easily explore how EPA, in collaboration with states, tribes, local governments, territories and other partners, is administering the \$7.22 billion to six major EPA programs listed below:

1. **Clean Water State Revolving Fund Recovery Act Plan, \$4 billion:** Investing in construction of water quality protection and wastewater treatment infrastructure for assistance to help communities with water quality and wastewater infrastructure needs;
2. **Drinking Water State Revolving Fund Recovery Act Plan, \$2 billion:** Ensuring clean drinking water for drinking water infrastructure needs;
3. **Brownfields Recovery Act Plan, \$100 million:** Cleaning up former industrial sites for new commercial or community use, and training and placing persons in environmental careers for competitive grants to evaluate and clean up former industrial and commercial sites;
4. **Leaking Underground Storage Tank Recovery Act Plan, \$200 million:** Cleaning up petroleum leaks from underground storage tanks for cleanup of petroleum leaks from underground storage tanks;
5. **Superfund Recovery Act Plan, \$600 million:** Cleaning up uncontrolled hazardous waste sites, and;
6. **Clean Diesel Recovery Act Plan, \$300 million:** Supporting the use, development, and commercialization of strategies to reduce diesel emissions for grants and loans to help regional, state and local governments, tribal agencies, and non-profit organizations with projects that reduce diesel emissions.

2.0 WHAT IS THE EPA RECOVERY MAPPER?

2.1 EPA Recovery Mapper is an Internet interactive mapping application that allows users to discover information about every Recovery Act award that EPA has funded for these six programs. By integrating data reported by the recipients of Recovery Act funding and data created by EPA, this application delivers a level of transparency and public accessibility to users interested in EPA’s use of Recovery Act monies. The application is relatively easy to use and builds on the same mapping model as Google, Bing, MapQuest and other commonly used mapping interfaces.

EPA Recovery Mapper tracks each award made by each program and gives basic **Quick Facts** information for each award including award name, location, award date, dollar amounts and more. **Data Summaries** for each EPA program or for each state are provided displaying dollars for **Total Awarded**, **Total Received (Paid)**, and **Total Jobs This Quarter** by Recovery for the latest quarter of data released by Recovery.gov. The data are reported to the government and EPA four times a year by the award recipients. The latest quarterly report will always be displayed in the EPA Recovery Mapper. In addition, the application provides many details about each award. Users will learn more about how to access and interpret these data later in this document.

Data shown in the EPA Recovery Mapper are derived from information reported back to FederalReporting.gov from the recipients of Recovery Act funding. EPA reviews the recipient reported data and works with the recipients to correct the data when errors are found. Please note that the dollar amounts displayed at Recovery.gov may differ somewhat from the amounts in this application because EPA Recovery Mapper includes awards that EPA has funded for Superfund sites cleanups that were awarded by the US Army Corps of Engineers. Also, EPA Recovery Mapper also does not display awards for management and oversight and awards made to EPA’s Inspector General which account for less than 1.4% of the Recovery Act funding that EPA has received.

When using EPA Recovery Mapper make sure all your **pop-up blockers are turned OFF**. Your operating software and toolbars from Yahoo, Google and other applications may all have pop-up blockers. The Map will run seamlessly in the following browsers:

On Standard PCs:
Internet Explorer: 7.x and 8.x
Firefox: 3.x

On MAC:
Safari: 4.x
Firefox: 3.x

2.2. EPA Recovery Mapper Interface

The EPA has kept the user interface (Figure 1) of the EPA Recovery Mapper as simple as possible to make user experience as easy to use and informative as possible. The interface presented to the user consists of a large View Window that takes up most of the screen and opens with a wide view of the United States.



There are tools in the upper left corner for navigating and finding an area of interest. The EPA Recovery Mapper frame at the top center contains the **Legend, Data Downloads, Help, the Print function and Feedback** as well as a disclaimer.

In the lower right is a frame that has summary statistics for all six EPA programs. Finally in the upper right corner is a list of the six programs within EPA that distributed Recovery monies as per the American Recovery and Reinvestment Act (ARRA) of 2009.

Figure 1: The User Interface of the EPAs' Recovery Mapper interactive Internet mapping application for tracking progress in Recovery funding. Note: when you see the ? by a number or text, click the question mark for more information, or a definition.

2.3 Toolbars for Basemap Choices and Controlling the Screen

There are three choices for the background basemap and three choices to easily control the viewer (Figure 2), all controlled by the two toolbars in the upper left hand corner of the map. The choices include:



Figure 2: Basemap choices, Streets, Imagery, Topography and Back, Home, and Forward toolbars.

2.3.1 Basemaps

Streets: The Streets basemap shows all the streets in the United States depending on the scale you are viewing the map. As one zooms in, more streets will appear. The same is

true for the annotation on the map which includes cities, towns, and placenames. These names help the user orient oneself to the location. The basemaps all face north.

Imagery: The imagery choice gives the user recent aerial photos of the entire United States and again as one zooms in, more detail is exposed. You can zoom into your state, county, neighborhood, and even your house. You will see the trees in your yard and your car in the driveway. Most of these images have been acquired in the past 5 years.

Topography: This basemap is essentially the series of USGS topoquads maps that are sold at many sporting and hunting establishments and show land features as well as major roads and placenames. This basemap is more general with less detail than the Streets and Imagery basemaps but does show large wetlands, streams and forests.

Users may switch between basemaps anytime while running the application to get a different experience concerning: what's in your neighborhood, county or state?

2.3.2 Navigating Back, Forward, Home

The **Forward** and **Back** tools take you one transaction back or if you have gone back, forward will take users one transaction forward to get the previous view. The **Home** takes the user back to the opening EPA Recovery Mapper view.

2.4 Finding an Area of Interest (AOI)

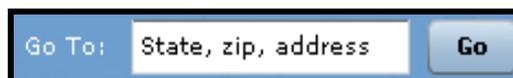


Figure 3: Area of Interest finder.

In the extreme upper left of the EPA Recovery Mapper is the **Go To** tool (Figure 3). To use the Go To tool, type in a city and state, a zip code, or a valid street address. If you want to see your house and neighborhood, type in the street address of your house including your zip code. Do not use Rural Routes or P.O. Box numbers as the Go To tool cannot translate these numbers. The more information about the physical site address you want to see, the more likely the Go To tool will find it. After typing in the information and clicking on **Go**, the application will zoom to that point and center it in the map View Frame.

2.5 Navigation Tools

At this point you can use the **Navigation Tool** (Figure 4) just below the Go To and Basemap tools. The navigation bar is standard and at the top you can pan (move) north, south, east or west by clicking the arrows. The scale will not change but the map will move in the direction you choose.

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To change the scale, to zoom in and out, use the slider bar just under the compass. With your mouse grab the slider and move it up or down. Moving up zooms the map in (larger scale) and moving it down zooms the map out (smaller scale). When grabbing the slider, you will note that a scale number appears to the right of the slider to tell you the scale. Your mouse cursor or wheel on your mouse can be used to pan and zoom respectively. In general, if you are zoomed in at the state level the mouse cursor works as pan all the time. To see the entire United States you need to be at about 1:20,000,000.

If you type in your address the map will zoom in to about 1:5,000. At this scale one inch on the screen is about 400 feet on the ground. If you click the minus sign the view window will zoom out and if you hit the plus it will zoom in. You may have to try this tool for a while to understand how it works.

The **Scale Bar** is located in the lower left hand corner of the View Frame. The scale bar relates inches on the map to both miles and kilometers in reality (on the ground). So, when opening the application, the entire United States is shown and the scale bar shows that roughly 2 inches on the screen equals 1000 miles on the map. The scale bar is approximate and depends upon many factors including the resolution of the screen but it is helpful in determining distances on the ground.

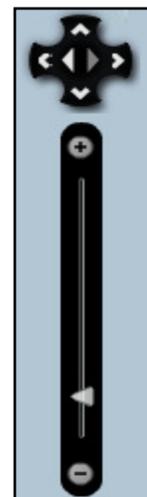


Figure 4:
The navigation bar.

2.6 EPA Recovery Mapper Center Frame

In the top center of the View Frame is the welcome frame **EPA Recovery Mapper** (Figure 5)

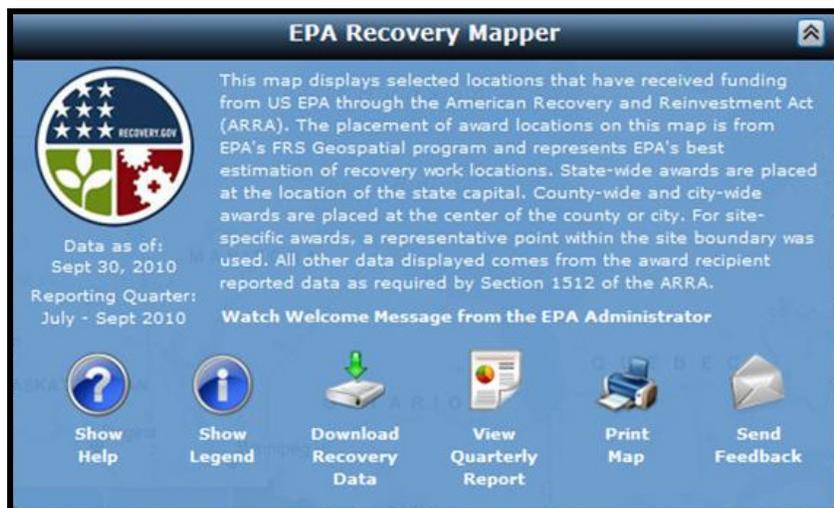


Figure 5. The EPA Recovery Mapper central frame has basic information, Help, Legend, Downloads and other useful information in the use of the interactive mapping application.

where basic EPA information about Recovery can be accessed. From this central frame, users can view a message from EPA Administrator Jackson explaining the Recovery Act, or download the most recent Quarterly Report concerning Recovery Data from EPA. The report is titled: [U.S. Environmental Protection Agency, American Recovery and Reinvestment Act Quarterly Performance Report](#), and is dated by calendar year quarter.

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Users may download a spreadsheet of the EPA Recovery Data used in this application. Users can also display the legend using **Show Legend** on the lower left of the frame, **Send Feedback** to EPA about this application, **Print** the map view or go to **Show Help**.

Under **Show Help** are the following topics: **User Guide**, **Tutorials**, **Frequently Asked Questions (FAQs)** **Glossary** of terms, **Feedback**, **EPA Programs** (with links to program homepages), and links to all **State Websites for Recovery**. These tools and text files are short and give the user insights into how the EPA Recovery Mapper works, as well as giving links to users for additional information which may not be included in EPA Recovery Mapper.

A critical piece of the EPA Recovery Mapper is the **Map Legend** (Figure 6) that is exposed as a moveable window when the **Show Map Legend** button is clicked. A popup legend appears and shows two important features about the map. At the top of the Legend are color coded blocks that relate to total recovery monies applied to each state by amount, divided into five categories. You may have noticed that when you open the EPA Recovery Mapper the states are shaded according to this legend. So for each state, you can see right away the general level of funding awarded each state.

This graduated coloration, called a choropleth map, disappears when the user chooses a specific EPA program. If the user uses the **Home** tool in the upper left (Figure 2) or **Hide All** in the EPA Program frame, the choropleth map returns and users can again query state wide summaries as the choropleth map is restored. However, as long as the states are color shaded, you may click on any state and a more detailed state **Summary Report** will appear detailing the current totals for: **Total Awarded**, **Total Received (Paid)** and **Total Jobs This Quarter** by Recovery in the current quarter. Once the user zooms in, the choropleth colors will also disappear.

Total Jobs This Quarter is a number based on jobs reported by recipients as being funded in the current reporting quarter by the American Recovery and Reinvestment Act (ARRA) legislation of 2009. Users can also find the same attributes by each of the six EPA Programs in this frame (Figure 7). Users may also link to the state recovery webpage.

Clicking on the icon for each program in the Legend Tool in the EPA Program Awards section links the user to the EPA Program website where more information about the programs activities and responsibilities are described.

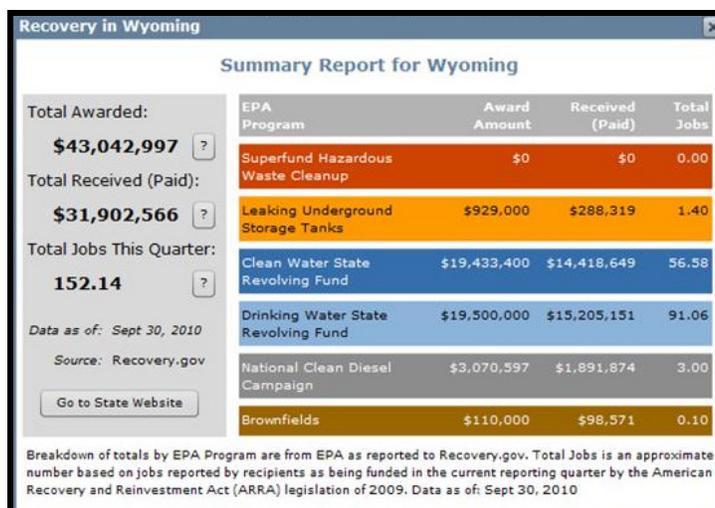


Figure 6: Top portion of the Map Legend, showing State Award choropleth colors and EPA Program Awards with icons.

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Please remember that these numbers and dollar figures represent the best of the information provided by the recipients but they do not represent an audit of the projects. As projects are completed, professional audits will be completed and posted. Audits and any investigations of fraud and abuse will be conducted over time by the Inspector General.

Finally users can report any problems or questions directly to EPA through the **Send Feedback** located in the lower center portion of the frame (Figure 5). Clicking on Send Feedback will take users to the EPA homepage to **Contact Us**. Here users will find a variety of ways to contact EPA depending on the issue. All comments received will be reviewed and addressed by EPA personnel. EPA encourages users to ask questions, make suggestions and report any potential errors.



Total Awarded:		EPA Program	Award Amount	Received (Paid)	Total Jobs
\$43,042,997 ?		Superfund Hazardous Waste Cleanup	\$0	\$0	0.00
Total Received (Paid): \$31,902,566 ?		Leaking Underground Storage Tanks	\$929,000	\$288,319	1.40
Total Jobs This Quarter: 152.14 ?		Clean Water State Revolving Fund	\$19,433,400	\$14,418,649	56.58
Data as of: Sept 30, 2010		Drinking Water State Revolving Fund	\$19,500,000	\$15,205,151	91.06
Source: Recovery.gov		National Clean Diesel Campaign	\$3,070,597	\$1,891,874	3.00
Go to State Website		Brownfields	\$110,000	\$98,571	0.10

Breakdown of totals by EPA Program are from EPA as reported to Recovery.gov. Total Jobs is an approximate number based on jobs reported by recipients as being funded in the current reporting quarter by the American Recovery and Reinvestment Act (ARRA) legislation of 2009. Data as of: Sept 30, 2010

Figure 7: Summary Report for the State of Wyoming from the color coded choropleth United States map. Note: The Question Mark here will give you more information.

2.7 Awards for EPA Programs, by Program

In the upper right hand corner of the View Frame are the **EPA Programs** that gave awards for Recovery. These programs are:

Superfund Hazardous Waste Cleanup
Leaking Underground Storage Tanks
Clean Water State Revolving Fund

Drinking Water State Revolving Fund
National Clean Diesel Campaign
Brownfields

The user may click any one program at any time to see the location of awards for that specific EPA Program. Or, the user may turn on all awards for all six EPA Programs by using the “**Show All**” awards button. Conversely, all award locations can be turned off by using the “**Hide All**” awards button (see what these look like in Figure 9).

For each EPA program, each symbol that appears on the map represents a specific recovery award location. The Legend can help you determine which program belongs to which symbol. For instance, the Drinking Water Revolving Fund is represented by a small cup of water. The placement of award locations on the map are from EPA’s FRS Geospatial program and represent EPA’s best estimation of recovery work locations. State wide awards are placed at the location of the state capital. County wide and city wide awards are placed at the center of the county or city. For site specific awards, a representative point within the site boundary was used.

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It is very important to understand that the six EPA programs awarded monies directly to cities, counties, regional associations, state governments and to contractors. For some large awards, typically given to state agencies, there is an option to give a “sub award”. For EPA’s Recovery Mapper application, sub awards for EPA’s **Clean Water State Revolving Fund (CWSRF)** and **Drinking Water State Revolving Fund (DWSRF)** programs are shown on the map as “small colored dots” (Figure 8) blue and light blue respectively. These sub awards, represent awards made by the state to local governments and associations for local water projects.



Figure 8: The lower part of the Legend shows the color coding for LUST, CWSRF and DWSRF.

Sub awards are also shown for the **Leaking Underground Storage Tank (LUST)** program as orange dots. In addition to the 54 awards highlighted on the map as icons, there are 3 EPA contracts in Indian country spanning multi-state areas for the Leaking Underground Storage Tanks program, shown in a frame in the lower left in the map frame.

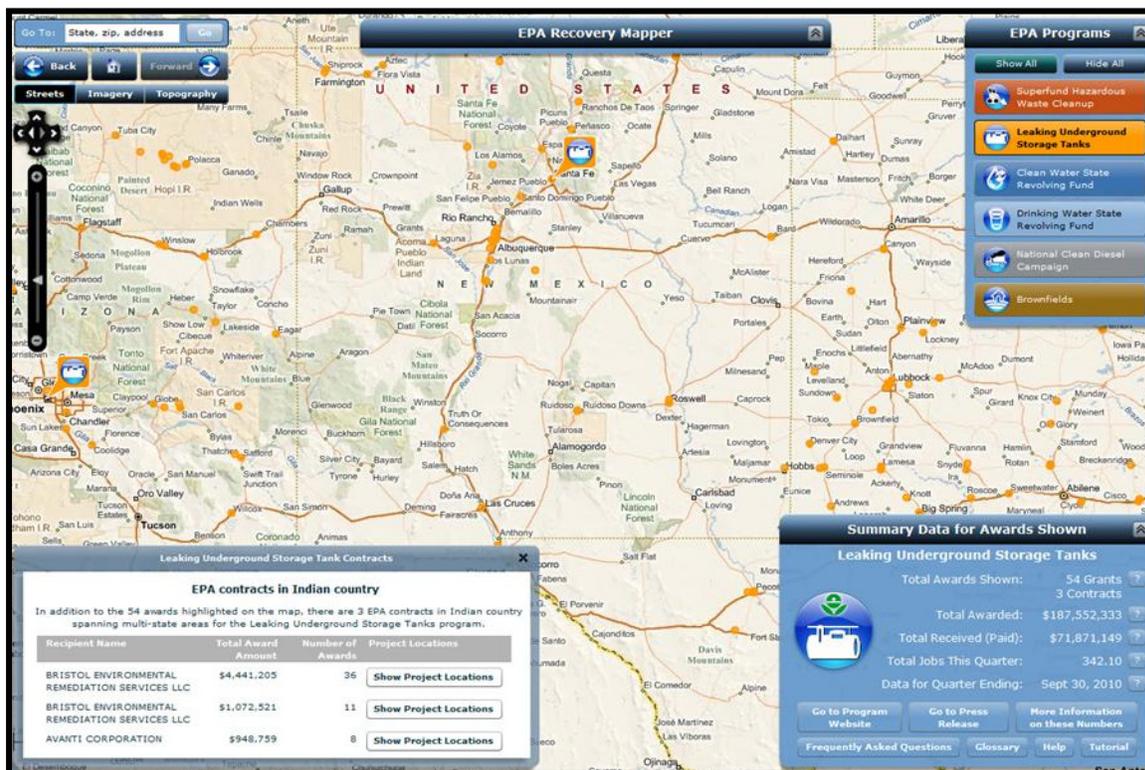


Figure 9 – The mapping interface for the Leaking Underground Storage Tank (LUST) program showing some of the 54 icons (awards) and sub awards (orange dots) and the three LUST EPA contracts in Indian country. The three contracts represent many sites as shown in the frame. All these sites are discoverable by users.

For one program, **Superfund Hazardous Waste Cleanup**, all awards were made specifically for sites, generally to contractors that addressed specific Superfund site locations, so there are no state or county wide Superfund awards. The **Brownfields** and **Leaking Underground Storage Tank** programs also have awards that addressed a specific site location but these programs also have state, county, and city wide awards and LUST has specific Indian country contracts.

On the map, all the award locations will be shown with the appropriate symbols as shown by the EPA Program and in the Legend. At small scales, where the entire United States is shown in the view window, the map will be very busy and hard to interpret with all programs turned on. It is more appropriate to get to an area of interest, say your neighborhood, county or state and then turn on all programs to be able to query all six programs and see the spatial distribution of these programs around any particular feature, including your house. Remember, if you are “zoomed” into your neighborhood, you may not see the state, county, or city wide awards that may have an impact on your neighborhood.

There is a wealth of detail for each award location shown. By clicking on an award location, the award recipient will be listed. For some locations, especially state capitols, there may be multiple awards for that location. Click on the recipient name and you will get a popup window listing one or more awards with **Quick Facts** for each award including **Program, Award Name, Award Location, Award Date, Amount Received (Paid), Jobs Funded in This Quarter**, and more. More about the **Quick Facts** window will be discussed later in Section 3 of this document.

Additional function in the frame includes the ability to **Zoom In, Get More Details**, access **Press Releases**, and find a detailed **Fact Sheet** about the award. Zoom In takes the user to a community view of the site where one inch on the map equals one third of a mile. **Get More Details** takes the user to the EPA program website for that site. These web pages are full of useful and often detailed information about the site. Should a there be a **Press Release** for the site it can be accessed from Quick Facts. The Fact Sheets are often very helpful offering details and links to other documents.

2.8 Summary Data for EPA Awards shown on the map (by program)

Once the user has selected a program from the upper right EPA Programs frame, the symbols for the program will appear on the map at the site award locations.

Additionally, the **Summary for Data Awards Shown** will be populated in the lower right corner (Figure 10). This frame lists number of **Total Awards Shown**, **Total Awarded (\$)**, **Total Received (Paid)** and **Total Jobs This Quarter**. These totals are not for individual states but for the entire United States, territories and Indian country, the same five



Figure 10: Summary Data for Awards for the Brownfields.

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attributes that you see in the Shaded States (choropleth) Map are shown here. EPA does not include management and overhead monies awarded to EPA as part of stimulus in any of the figures. Note that there is explanatory text under **More Information on these Numbers** that defines the data that the user sees. Please read this important information.

Users may link to the **EPA Program Website** for any of the six programs. The EPA Program websites are full of additional facts and information about the recovery awards funded under ARRA and for many other sites and program activities. Users may also click on **Go to Press Release** for information on press releases for Recovery from EPA. Finally users may look for **More Information on these Numbers** by clicking that hyperlink. Here users will find definitions for each term.

Once the user selects another program a new set of symbols will appear on the map at the appropriate locations and the Summary Data for Awards Shown will be repopulated with figures for that program. Remember that the More Information on these Numbers will differ for each program so please read each one. All frames can be minimized by clicking on the X in the Title Bar.

2.8.1 A Note on Jobs

Job numbers are reported to EPA by a formula that is somewhat complex. Because the Total Jobs are reported by formula, they are not always whole numbers. In fact, they generally are reported to the tenth and hundredths of a job. These numbers can be retrieved from the EPA ARRA download off the EPA Mapper main frame. For EPA Recovery Mapper, the definition is:

Total Jobs is an approximate number based on jobs reported by recipients as being funded in the current reporting quarter by the American Recovery and Reinvestment Act (ARRA) legislation of 2009, generally referred to as Recovery.

The actual formula from Recovery.gov for jobs is quoted here:

Jobs created and retained. An estimate of the combined number of jobs created and jobs retained funded by the Recovery Act during the current reporting quarter in the United States and outlying areas. For grants and loans, the number shall include the number of jobs created and retained by sub recipients and vendors. The number shall be expressed as "full-time equivalent" (FTE), calculated quarterly as all hours worked and funded by the Recovery Act during the current reporting quarter divided by the total number of hours in a full-time schedule for the quarter, as defined by the recipient or federal contractor. For more information on how to perform this calculation, please see OMB Memorandum M-10-08, found at http://www.whitehouse.gov/omb/assets/memoranda_2010/m10-08.pdf. An example of calculating jobs for federal contractors can be found at http://www.whitehouse.gov/omb/recovery_faqs_contractors.

Section 3.0 THE MAP WINDOWS (Frames)

3.1 The Shaded States in the Opening user Interface

When users first launch the EPA Recovery Mapper, a shaded map of the United States is the largest feature shown (Figure 11). The black to blue shades given each state relates to the total amount of monies awarded to entities in that state for Recovery. To determine this, click on a dark blue state and a window will popup with summary data about that state.

Use the navigation tools if you like to zoom in if you wish to investigate a smaller state that you cannot see. It is also a good idea to open the Legend (Figure 6) in the lower left of the EPA Recovery Mapper window at the top of the map. Here you will see the dollar amounts associated with the colors for the states. Notice you can grab the Legend with your mouse and move that window wherever you wish.

If you click on Texas you will see that state is dark and was awarded some \$385 million dollars (Figure 11). Click on a light blue state like Vermont and you will see that EPA awarded Recovery monies of about \$50 million to entities in Vermont. Entities include the state, local government and many private contractors. It is important to remember that sometimes monies awarded to a private contractor in Vermont may be spent in New Jersey. These are details you must investigate through the Mapper, depending on your interests.

Users can see there is a large amount of summary data for every state including the **Total Awarded, Total Received (Paid), and Total Jobs This Quarter** (see section 2.8.1). There are also summary statistics for how much monies have been given by each of the EPAs’ six programs for the same four categories.

Once the user picks an EPA Program the shaded choropleth map disappears. If the user clicks Back or Hide All, the shaded choropleth map returns.

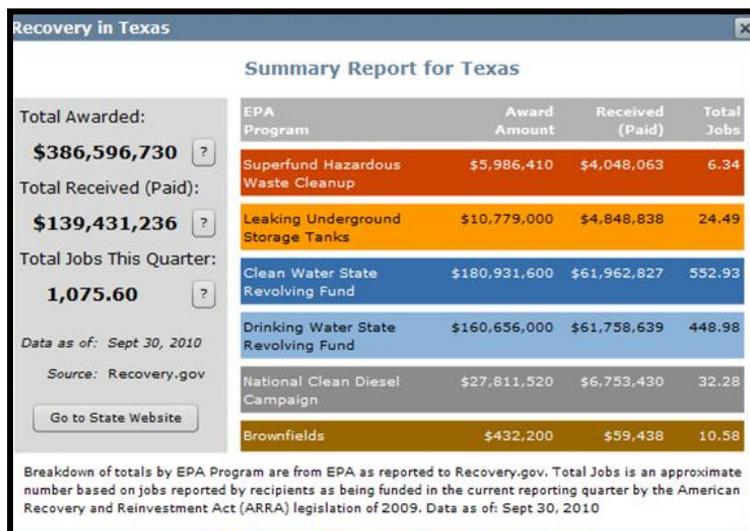


Figure 11: Summary Report for TEXAS by Totals and by EPA Program. Notice the question mark for the items on the left. Click ? to get more information.

3.2 The EPA Program Summary Window

Expand the EPA Programs window in the upper right and click on one program. Icons for that program identifying activity sites will appear on the map. If they do not, zoom out or zoom around and find them.

In the lower right you will see the **Summary Data for Awards Shown** for the EPA Program you picked (Figure 10). These totals are not for individual states but for the entire United States, territories and Tribes. The same five attributes that you say in the Shaded States Map are shown here.

The question mark on the Total Jobs means there is more information for the user when the Mark is clicked. Additional information from the EPA Program website, Recovery Press Release and More Info all lead to more information. In some cases, there may be no Press Release.



3.3 The Quick Facts Window for Specific Awards to Sites

Quick Facts			
Program:	Superfund Hazardous Waste Cleanup		
Category:			
Award Name:	SEVENSON ENVIRONMENTAL SERVICES, INC.		
Award Location:	1611 WEST WHEAT ROAD, VINELAND, NJ 08360		
Award Date:	06/25/2009	Award Amount:	\$20,000,000
Congressional District:	02 (NJ)	Amount Received (Paid):	\$13,162,899
Status:	More than 50% Completed	Jobs Funded in this Quarter:	38.56 ?
Caveats:	Funded by the Environmental Protection Agenc... ?		
Description:	Award provides for the following: Construction of temporary stream diversion channels at the Vineland Chemical Superfund Site in the area of Vineland, NJ.		

Buttons: Get More Details, Press Release, Stimulus Fact Sheet, Photos/Video

The placement of award locations on this map is from EPA's FRS Geospatial program and represents EPA's best estimation of recovery work locations. State-wide awards are placed at the location of the state capital. County-wide and city-wide awards are placed at the center of the county or city. For site-specific awards, a representative point within the site boundary was used. All other data displayed comes from the award recipient reported data as required by Section 1512 of the ARRA. Data as of: Sept 30, 2010

In the EPA Programs frame click on the first program, Superfund, and find one of the icons for Superfund on the map. Click that icon and the name of that site will appear. Then click on the name and a **Quick Facts** Window will appear, as a call out (Figure 12).

This window is loaded with details about the site. Included is a short description of the site, program, award amount and much more.

Notice also that if you want to see the location of the site click on the **Zoom In** icon and Mapper will zoom to the site. In some cases the EPA does not have good coordinates for a site and a note will appear saying the site location is approximate. EPA is working to get coordinates reported in the future for these sites.

Figure 12: Quick Facts frame for a Superfund Hazardous Waste Cleanups.

At the next level down you can access more detailed information about the site including

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Get More Details, Press Release, Stimulus Fact Sheet and Photos/Videos. Not all sites have all this information. For instance, some sites may not have a Stimulus Fact Sheet or Photos/Videos. If the item text is grayed out and not white, that means there is not any information at this time for that attribute.

3.4 The Quick Facts Window for State Wide Awards, County Wide Awards, City Wide Awards

As was mentioned earlier, some of the awards that EPA has made may apply State Wide, County Wide, or City Wide and these awards are mapped either to the state capitol, county centroid, or city centroid respectively. For any given award location mapped, multiple awards may be associated with that single location.



Figure 13: Clean Water State Revolving Funds State Wide awards for Colorado.

Let's investigate some facts about the information available for state wide awards. On the right hand side of the map in the "EPA Programs" call-out box, click on the "Clean Water State Revolving Fund" button. This will show a map with icons over all of the state capitols that have received funding from EPA for this program. Next try clicking on that icon at the capitol of your state of interest. As an example, Figure 13 lists two awards given to the State of Colorado under EPA's Clean Water State Revolving Fund Program. Notice in the frame that pops up that there

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are two award recipients listed – in this case two state agencies that received awards: Public Health and Environment and, Colorado Resources and Power Development Authority. By clicking on the award recipient name, you will get a Quick Facts box for that award. In this example there is a “Show Project Locations.”

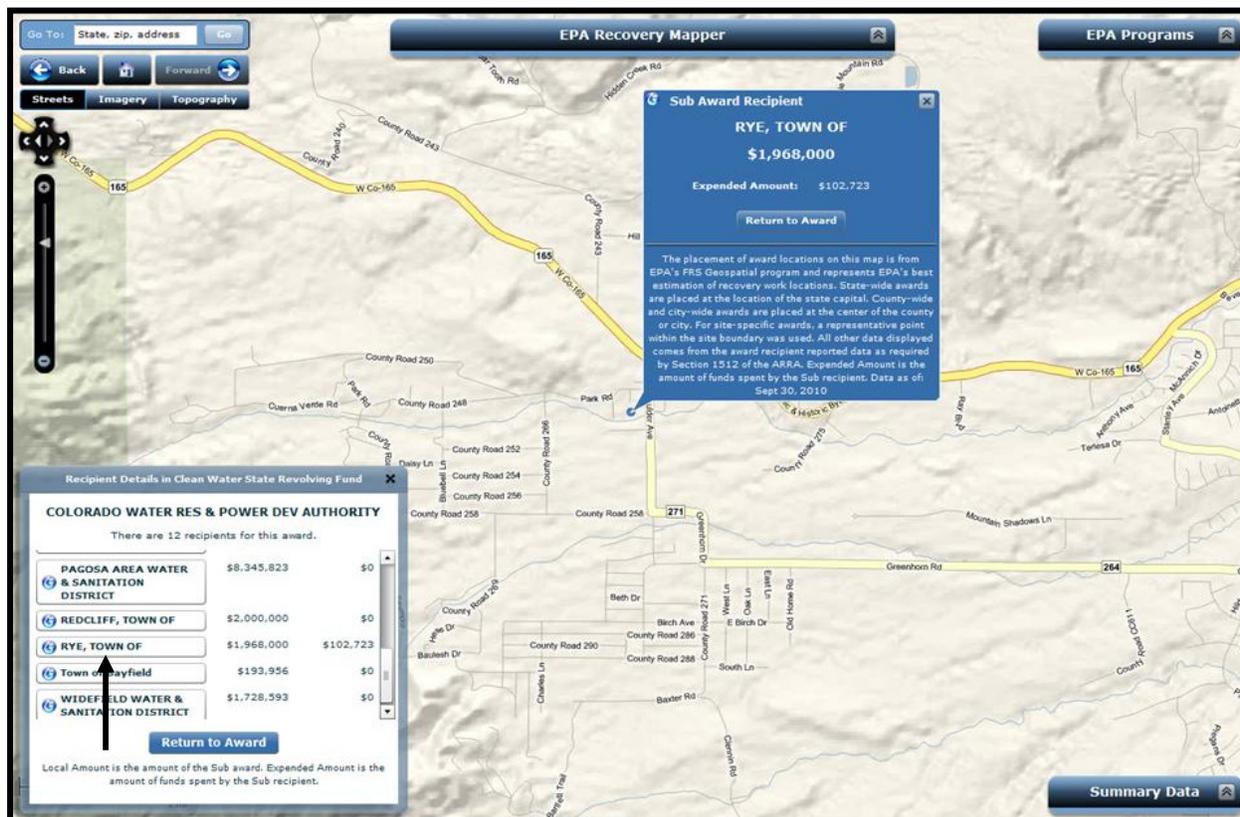


Figure 14: Details for the Town of Rye, Colorado, from the Statewide Awards for Colorado frame, from monies awarded to the state Colorado Water Res and Power Dev Authority. By clicking on Show Project Locations in this frame, a new frame opens in the lower left of the map frame. Then click on Rye, Town of, to get details. Arrow added for emphasis.

Click the “Show Project Locations” button and another pop up frame appears in the lower left corner of the view frame. The pop up frame lists the sub award recipients and give the **Local Amount** and **Expended Amount** (Figure 14) for each sub award. Each listing in this table is represented by an small dot icon on the map. Let’s look at the first listing in the example above, Rye, Town of. Click on that name and the map zooms to the Town of Rye. Click on the icon representing Rye on the map. Here is where additional data may be viewed, if additional data was reported to the state and to EPA. Be sure to notice the **Return to Award** button when you have completed your current investigation. The display and data available for County Wide and City Wide award locations work in the same way as State Wide awards.

4.0 Summary

This short overview of EPA Recovery Mapper should have provided a sampling of what can be accomplished using the Mapper application. Several short tutorials were designed to show most of the features and tools currently available in Help under Tutorials. EPA Recovery Mapper is meant to enable those who are not GIS experts to use GIS tools to find out how EPA has been using stimulus monies to promote growth, save jobs, and furnish environmental projects with much needed capital. EPA's Recovery Mapper is a tool that you can use to look at Stimulus data transparently and then get back to EPA with any issues or concerns.

Finally, it is important to note that EPA Recovery Mapper is really a work in progress. As new data comes in it will be posted in this application. As work continues on the application new tools will be added in response to the needs of users and the capabilities of the software. The EPA development team hopes that you enjoy using this application, and welcomes your comments or suggestions.