

NCRDS US Stratigraphy Database Query Web Page

The NCRDS US Stratigraphy (USTRAT) database contains information on the location and geologic stratigraphy of coal occurrence throughout the US. The web page allows users to query, browse and download data.

The USTRAT database query web page contains two tabs, the Browse Data tab and the Search and Download Data tab.

Browse Data

The Browse Data tab provides users the ability to quickly query the database on four attributes associated with the location of stratigraphic points within the USTRAT database. The user is can narrow down the points that are brought back from a query of the database. The user can select to narrow down the points by region or by state.

After selecting values from one or more of the criteria, clicking on the run button will query the database and return records from the database. The data will be returned in a table format as shown below:

	Point ID	Point Name	State	County	Province	Region	Map	Field	Collector
+	256543	402348-801050	PENNSYLVANIA	ALLEGHENY PA	EASTERN	APPALACHIAN	OAKDALE (7.5')	MAIN BITUMINOUS	USGS-TEWALT S J
+	275548	PED-XII-5	PENNSYLVANIA	ALLEGHENY PA	EASTERN	APPALACHIAN	DONORA (7.5')	NDE	USGS-RUPPERT L F
+	270896	NKW31504846	PENNSYLVANIA	ALLEGHENY PA	EASTERN	APPALACHIAN	NEW KENSINGTON WEST (7.5')	NDE	USGS-RUPPERT L F
+	269761	403949-794844	PENNSYLVANIA	ALLEGHENY PA	EASTERN	APPALACHIAN	CURTISVILLE (7.5')	MAIN BITUMINOUS	USGS-RUPPERT L F
+	269740	403928-794549	PENNSYLVANIA	ALLEGHENY PA	EASTERN	APPALACHIAN	CURTISVILLE (7.5')	MAIN BITUMINOUS	USGS-RUPPERT L F
+	269722	403910-794500	PENNSYLVANIA	ALLEGHENY PA	EASTERN	APPALACHIAN	CURTISVILLE (7.5')	MAIN BITUMINOUS	USGS-RUPPERT L F
+	269680	403845-794144	PENNSYLVANIA	ALLEGHENY PA	EASTERN	APPALACHIAN	FREEPORT (7.5')	MAIN BITUMINOUS	USGS-RUPPERT L F

The user has two methods to see additional information on each point. The first method is to click on the cross icon on the left of each record within the database to open a sub-table that contains the stratigraphic units associated with the selected point.

Point ID	Point Name	State	County	Province	Region	Map	Field	Collector	
256543	402348-801050	PENNSYLVANIA	ALLEGHENY PA	EASTERN	APPALACHIAN	OAKDALE (7.5')	MAIN BITUMINOUS	USGS-TEWALT S J	
Point ID	Unit ID	Unit Qualifier	Thickness	Formation	Bed	Subzone	Lithology	Lith. Modifier	Comment
256543	1	I	0.00	MONONGAHELA GP	NDE	NDE	SURF MAT		
256543	2	IR	0.79	MONONGAHELA GP	PITTSBURGH ROOF	NDE	COAL		
256543	3	R	0.63	MONONGAHELA GP	PITTSBURGH ROOF	NDE	CLST		MAIN CLY PTG
256543	4		2.54	MONONGAHELA GP	PITTSBURGH	NDE	COAL		BREAST COAL
256543	5		0.02	MONONGAHELA GP	PITTSBURGH	NDE	SH		THK EST BY DODGE
256543	6		0.29	MONONGAHELA GP	PITTSBURGH	NDE	COAL		BEARING IN COAL
256543	7		0.02	MONONGAHELA GP	PITTSBURGH	NDE	SH		THK EST BY DODGE
256543	8		0.84	MONONGAHELA GP	PITTSBURGH	NDE	COAL		BRICK COAL
256543	9		0.02	MONONGAHELA GP	PITTSBURGH	NDE	SH		THK EST BY DODGE
256543	10		1.00	MONONGAHELA GP	PITTSBURGH	NDE	COAL		LWR BTM COAL, THK VAR 12-1
256543	11		0.00	CONEMAUGH GP	NDE	NDE	NR		
275548	PED-XII-5	PENNSYLVANIA	ALLEGHENY PA	EASTERN	APPALACHIAN	DONORA (7.5')	NDE		USGS-RUPPERT L F
270896	NKW31504846	PENNSYLVANIA	ALLEGHENY PA	EASTERN	APPALACHIAN	NEW KENSINGTON WEST (7.5')	NDE		USGS-RUPPERT L F
269761	403949-794844	PENNSYLVANIA	ALLEGHENY PA	EASTERN	APPALACHIAN	CURTISVILLE (7.5')	MAIN BITUMINOUS		USGS-RUPPERT L F
269740	403928-794549	PENNSYLVANIA	ALLEGHENY PA	EASTERN	APPALACHIAN	CURTISVILLE (7.5')	MAIN BITUMINOUS		USGS-RUPPERT L F
269722	403910-794500	PENNSYLVANIA	ALLEGHENY PA	EASTERN	APPALACHIAN	CURTISVILLE (7.5')	MAIN BITUMINOUS		USGS-RUPPERT L F
269680	403845-794144	PENNSYLVANIA	ALLEGHENY PA	EASTERN	APPALACHIAN	FREEPORT (7.5')	MAIN BITUMINOUS		USGS-RUPPERT L F

Double clicking on a stratigraphic unit row will open a new web browser window and display additional information on the stratigraphic unit.

Point ID: 256543 Point Name: 402348-801050

Unit Number: 2 Unit Key: 2565430002 Last Update: 20020411

Unit Qualifier: IR	Color:
From Depth: 0.00	Grain Size:
To Depth: 0.79	Grain Shape:
Thickness: 0.79	Mineral:
Formation: MONONGAHELA GP	Bedding:
Bed: PITTSBURGH ROOF	Fossil:
Subzone: NDE	Fracture:
Lithology: COAL	Joint:
Lithology Modifier:	Cleat:
Unit Usage: NDE	Contact:
Resource Zone: NDE	Misc Char:
Analytical ID:	Misc Number:

Comment:

The second method is to double click on the point row. This opens a new web browser window that will present the point data at the top and associated unit information on the bottom.

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Point Name: 402348-801050 Map Name: OAKDALE (7.5') Point ID: 256543
 State: PENNSYLVANIA Collector: USGS-TEWALT S J Units: 11
 County: ALLEGHENY PA Province: EASTERN
 Region: APPALACHIAN Point Type: 103-UNDERGROUND MINE

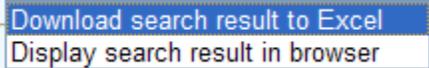
Prev. Point Name: Latitude: 40d23'48.000" North
 Prev. Collector: PAGS-DODGE C H Longitude: 80d10'50.000" West
 Project Info: NCRA 2000-PITTSBURGH Lat/Long Precision: NDE
 Coal Field: MAIN BITUMINOUS Meridian: 0
 Source: PAGS Township: 0
 Surface Elevation: 1035.00 Range: 0
 Elevation Precision: 2-TOPO MAP +/-20FT Section: 0
 Total Depth Logged: 6.15 Quarter 1/2/3/4:
 Weathering: NDE Loc. Strike/Dip/Angle: | |
 Point Usage: NDE Estimated Rank: BIT
 Date: 20020101 Ownership: NDE
 Hydro Area: Other Database: NDE
 Comment: 2ND SURVEY 1886 ANNUAL RPT, PT 1, P150

Associated Units

Unit ID	Unit Qualifier	Thickness	Formation	Bed	Subzone	Lithology	Lith. Modifier	Comme
1	I	0.00	MONONGAHELA GP	NDE	NDE	SURF MAT		
2	IR	0.79	MONONGAHELA GP	PITTSBURGH ROOF	NDE	COAL		
3	R	0.63	MONONGAHELA GP	PITTSBURGH ROOF	NDE	CLST		MAIN
4		2.54	MONONGAHELA GP	PITTSBURGH	NDE	COAL		BREA
5		0.02	MONONGAHELA GP	PITTSBURGH	NDE	SH		THK E
6		0.29	MONONGAHELA GP	PITTSBURGH	NDE	COAL		BEAR
7		0.02	MONONGAHELA GP	PITTSBURGH	NDE	SH		THK E
8		0.84	MONONGAHELA GP	PITTSBURGH	NDE	COAL		BRICK
9		0.02	MONONGAHELA GP	PITTSBURGH	NDE	SH		THK E
10		1.00	MONONGAHELA GP	PITTSBURGH	NDE	COAL		LWR E
11		0.00	MONONGAHELA GP	PITTSBURGH	NDE	SH		

Search and Download Data

The Search and Download Data Tab provides an extensive search capability that shows results either as a download of the data into excel or displays the results within a table.

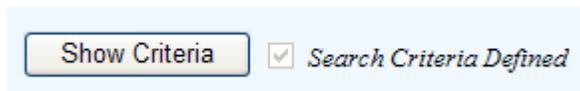


The user is provided a pull down menu selects the download format of a search. The default is that the search will download into Excel.

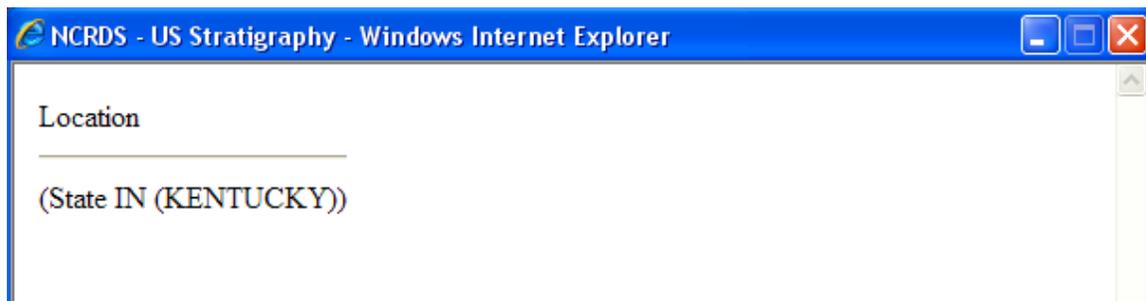
Search criteria is segmented into five functional areas represented by the tabs; Location, Source of Data, Characteristics, Stratigraphy, and Miscellaneous.



The search criteria status checkbox will show that an active search criteria has been defined.



The show criteria button displays that criteria that have been selected from the five selection tabs for search. For example, when the State of Kentucky has been selected from the State pull down within the Location tab, the Show Criteria button will display the following window:



Location

The Location tab allows the user the ability to select points based upon attributes associated with the location of the points.

Location		Source of Data	Characteristics	Stratigraphy	Miscellaneous
<input checked="" type="checkbox"/> <i>Narrow down county and map by state</i>					
State(s):	ALABAMA ALASKA ARKANSAS	County(s):			
Map(s):		Province(s):	ALASKA EASTERN GULF		
Region(s):	ALASKA PENINSULA APPALACHIAN ATLANTIC COAST	Field:	ALLEN-PURGATORIE ALTON ANGOON		
Hydrologic Area:		Lat./Long. Precision(s):	1- +/- 100 FEET 2- +/- 200 FEET 3- +/- 500 FEET		
	<i>from</i>	<i>to</i>			
Latitude:			decimal degrees		
Longitude:			decimal degrees		
Township:		N		N	
Range:		W		W	
Section:					
Principal Meridian:					
Quarters 1/2/3/4:					(i.e. NE of SW of NW of SE)

Source of Data

The Source of Data tab allows the user to select points based upon attributes associated with the organization and individuals that were responsible for the collection of the data.

Location	Source of Data	Characteristics	Stratigraphy	Miscellaneous
Collecting Org.(s):	AKGS ALGS ARGC			Collector(s): AKGS-CLAUTICE K AKGS-CLOUGH J G AKGS-DECKER P
Project Info.(s):	ALGS-CBM-WARRIOR BASIN CGS COALBED MAPPING 2008 CGS YAMPA COAL AVAIL STU			Point Type(s): 100-SURFACE 101-ROADCUT 102-OUTCROP
Ownership(s):	01/01/1999 DAM 01/01/2002 DDC 01/02/2002 DDC			Other Data: 01/03/2001 NF 01/04/2001 NF 01/05/1997 JAP
Source:	LIKE <input type="text"/>			Point Date (yyyymmdd): From <input type="text"/> To <input type="text"/>

Characteristics

The Characteristics tab queries on the geologic characteristics of the points within the database.

Location	Source of Data	Characteristics	Stratigraphy	Miscellaneous
Surface Elevation: <i>From</i> <input type="text"/> ft <i>To</i> <input type="text"/> ft		Elevation Precision:		<input type="text" value="UNKOWN"/> <input type="text" value="NDE"/> <input type="text" value="1-TOPO MAP +/-10FT"/>
Total Depth Logged: <i>From</i> <input type="text"/> ft <i>To</i> <input type="text"/> ft		Number of Units: <i>From</i> <input type="text"/> <i>To</i> <input type="text"/>		
Local Strike: <i>From</i> <input type="text"/> <i>To</i> <input type="text"/>		Weathering(s):		<input type="text" value="1-FRESH"/> <input type="text" value="2-SLIGHT"/> <input type="text" value="3-WEATHERED"/>
Local Dip: <i>From</i> <input type="text"/> <i>To</i> <input type="text"/>		Estimated Rank(s):		<input type="text" value="AN"/> <input type="text" value="ANTH"/> <input type="text" value="BIT"/>
Local Angle: <i>From</i> <input type="text"/> <i>To</i> <input type="text"/>		Point Usage(s):		<input type="text" value="1-DO NOT USE UNIT(S) FOR STRUCTURE"/> <input type="text" value="2-USE UNIT(S) FOR STRUCTURE ONLY"/> <input type="text" value="3-DO NOT USE UNIT(S) FOR ISOPACH"/>

Stratigraphy

The Stratigraphy tab queries the database based on the attributes of the stratigraphic units that are associated with each point. The query will return all the points and their associated stratigraphic units that contain a stratigraphic unit that matches the criteria selected.

Location	Source of Data	Characteristics	Stratigraphy	Miscellaneous
Formation(s):	A A GARRISON CREEK A MINTER BED		Bed(s):	-1 -2 -3
Subzone(s):	1 2 A		Resource Zone(s):	NDE PIT1 PIT2
Thickness:	<i>From</i> <input type="text"/> <i>ft To</i> <input type="text"/> <i>ft</i>		Lithology(s):	A CARB AH ALT, SS
From Depth:	<i>From</i> <input type="text"/> <i>ft To</i> <input type="text"/> <i>ft</i>		Lithology Modifier:	LIKE <input type="text"/>
To Depth:	<i>From</i> <input type="text"/> <i>ft To</i> <input type="text"/> <i>ft</i>		Unit Qualifier:	LIKE <input type="text"/>
Unit Usage(s):	1-DO NOT USE FOR STRUCTURE 2-USE FOR STRUCTURE ONLY 3-DO NOT USE FOR ISOPACH		Unit Comment:	LIKE <input type="text"/>

Miscellaneous

The Miscellaneous tab queries on additional attributes whose characterization does not fall within the previous tabs data characterization.

Location	Source of Data	Characteristics	Stratigraphy	Miscellaneous
Point Name: LIKE <input type="text"/>		Prev. Point Name: LIKE <input type="text"/>		
Point ID: From <input type="text"/> To <input type="text"/>		Point Comment: LIKE <input type="text"/>		
Unit Number: From <input type="text"/> To <input type="text"/>		Data Entry Person(s):		
Analytical ID: From <input type="text"/> To <input type="text"/>		abranden[9 18 1998] <input type="button" value="↑"/>		
		abranden[9 18 1998] <input type="button" value="↓"/>		
		abranden[9 18 1998] <input type="button" value="↓"/>		