



# New Mexico Environment Department

## Intellus Database Overview

Megan Green, Hydrologist, and Dr. Jaben Richards, Database Manager

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# Introduction to Intellus

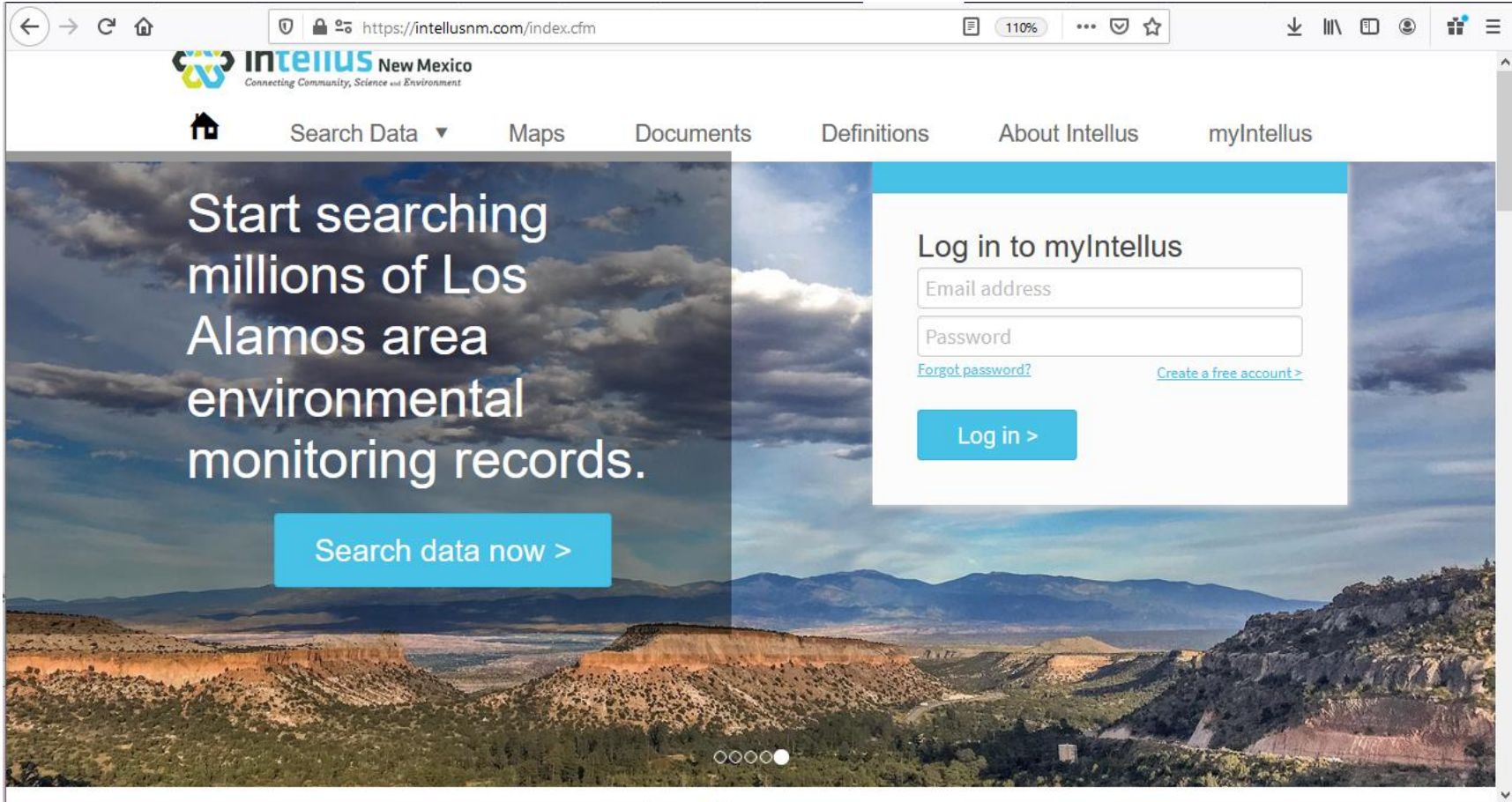
- Publicly accessible environmental database
  - ▣ Groundwater, surface and stormwater
  - ▣ Soil, sediment
  - ▣ Air
  - ▣ Biota
  
- Data providers:
  - ▣ LANL/Triad
  - ▣ N3B
  - ▣ NMED DOE Oversight Bureau

<https://intellusnm.com>





# Introduction to Intellus



<https://intellusnm.com>



# Data Search- Quick Search



[Search Data](#) ▼

[Maps](#)

[Documents](#)

[Definitions](#)

[About Intellicus](#)

[myIntellicus](#)



Quick search ?

① Select data provider(s)

Los Alamos National Laboratory x

NMED DOE Oversight Bureau x



[Clear all](#)

[Continue >](#)

Rectangular Snip

② Type of data

③ (additional steps)

Results



# Data Search- Quick Search

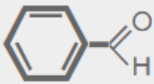
## Quick search

[Start a new search](#)

1 [Data provider](#)

2 selected 

2 What type of data are you looking for?



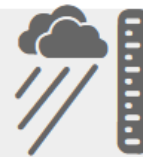
Analytical results



Field measurements



Groundwater levels



Precipitation  
measurements

[Continue >](#)



# Data Search- Quick Search

## Quick search

[Start a new search](#)

1 [Data provider](#) 2 selected

2 [Type of data](#) Analytical results

3 What type(s) of samples are you interested in?

  
Water

  
Solid

  
Air

  
Waste

  
Biota

Any of these / Skip this step

Continue >

4 Dates

5 Locations

6 Analytical parameters

7 Data columns

Results



# Data Search- Quick Search

## Quick search

[Start a new search](#)

- 1 [Data provider](#) 2 selected 
- 2 [Type of data](#)  Analytical results 
- 3 [Sample types](#)  Water 

### 4 What time period do you want to search?

From   to  

[Continue >](#)

- 5 Locations
- 6 Analytical parameters
- 7 Data columns

Results



# Data Search- Quick Search

4 [Dates](#)

02/18/2016 - 02/18/2021 

## 5 Where do you want to look?

Environmental samples are taken at specific locations defined by the data provider. The data in Intellus is associated with these "Location IDs".

Choose one of the following options to narrow down the locations to only those you're interested in.

- ☐ Find locations near an address
- ☒ Use filters to find specific locations, groups, or samples
- ☐ Enter or upload a list of locations, groups, or samples
- ☐ Everywhere in the Los Alamos area

### Use filters to find locations, groups, or samples

Search for:

Individual locations 

- ☐ Filter by sampling program(s)
- ☐ Filter by location type
- ☐ Pre-filter by partial location ID

[Find matching results >](#)

[Continue >](#)





# Data Search- Quick Search

Search for:

Individual locations

☐ Filter by sampling program(s)

☒ Filter by location type

Location type(s):

Watercourse (WCS)



[Clear all](#)

☐ Pre-filter by partial location ID

[Find matching results >](#)

Available locations (3764)

Type to filter options...

01-001(c)A (LANL)  
01-001(c)A (N3B)  
01-001(c)A (NMED)  
01-001(c)B (LANL)  
01-001(c)B (N3B)  
01-001(c)B (NMED)  
01-001(d)A (LANL)  
01-001(d)A (N3B)  
01-001(d)A (NMED)  
01-001(d)B (LANL)  
01-001(d)B (N3B)  
01-001(d)B (NMED)  
01-001(f)A (LANL)  
01-001(f)A (N3B)

Selected locations (3 / 100) [i](#)

Pueblo below GCS (LANL)  
Pueblo below GCS (N3B)  
Pueblo below GCS E060.1 (NMED)



# Data Search- Quick Search

|   |                               |                         |
|---|-------------------------------|-------------------------|
| 1 | <a href="#">Data provider</a> | 2 selected              |
| 2 | <a href="#">Type of data</a>  | Analytical results      |
| 3 | <a href="#">Sample types</a>  | Water                   |
| 4 | <a href="#">Dates</a>         | 02/18/2016 - 02/18/2021 |
| 5 | <a href="#">Locations</a>     | 3 locations selected    |

## 6 What analytical parameters are you interested in?

Now it's time to specify which analytical parameters you're interested in.

You can choose specific parameters, only see results for parameters that exceeded a certain regulatory standard or other limit, or get results for all parameters in the sample type, locations, and date range you've selected.

- ☐ Select parameter(s) from a list
- ☐ I want to see parameters that were measured above a regulatory standard (or other limit)
- ☐ All parameters

Continue >

## 7 Data columns

Results



# Data Search- Quick Search

## 6 Analytical parameters

All parameters

### 7 What data columns do you want to see in your results table?

Select which data you want to include in the results table. The recommended columns have been pre-selected for you below.

Each item you select will show up as a column in the table. You can also change the order in which the columns will display by using the up/down arrows.

#### Available fields

Type to filter options...

- % Moisture
- AirNET Background Exclusion Flag
- Analysis Date
- Analysis Deferred
- Analysis Lot ID
- Analysis Run #
- Analysis Subcontracted
- Analysis Suite Code
- Analysis Time
- Analysis Type Code
- Analytical Group Name
- Background Comparison Class Code
- Basis
- Best Value



#### Selected fields

Field Sample ID  
Location ID  
Sample Date  
Parameter Name  
Report Result  
Report Units  
Lab Qualifier  
Detected  
Sample Matrix  
Sample Purpose  
Sample Type  
Sample Time  
Latitude (Decimal)  
Longitude (Decimal)  
Filtered



# Data Search- Quick Search

7 [Data columns](#)

20 columns selected

## Results

If you want to modify any of your search parameters, just click the corresponding step above.



View results on a map



Save query to myIntellus



Download results

| Site ID              | Field Sample ID      | Location ID ↑           | Sample Date          | Parameter Name                        | Report Result        | Report Unit          |
|----------------------|----------------------|-------------------------|----------------------|---------------------------------------|----------------------|----------------------|
| <input type="text"/> | <input type="text"/> | <input type="text"/>    | <input type="text"/> | <input type="text"/>                  | <input type="text"/> | <input type="text"/> |
| NMED                 | LSW11-2017-1143      | Pueblo below GCS E060.1 | 10-05-2017           | PCB-4                                 | 5.6e-006             | ug/L                 |
| NMED                 | LSW11-2017-1143      | Pueblo below GCS E060.1 | 10-05-2017           | Total PCB                             | 0.0058               | ug/L                 |
| NMED                 | LSW11-2017-1143      | Pueblo below GCS E060.1 | 10-05-2017           | PCB-54                                | 1.52e-006            | ug/L                 |
| NMED                 | LSW11-2017-1143      | Pueblo below GCS E060.1 | 10-05-2017           | PCB-5                                 | 3.64e-006            | ug/L                 |
| NMED                 | LSW11-2017-1143      | Pueblo below GCS E060.1 | 10-05-2017           | PCB-31                                | 1.71e-005            | ug/L                 |
| NMED                 | LSW11-2017-1143      | Pueblo below GCS E060.1 | 10-05-2017           | Tetrachlorodibenzodioxin[2,3,7,8-]    | 1.8e-006             | ug/L                 |
| NMED                 | LSW11-2017-1143      | Pueblo below GCS E060.1 | 10-05-2017           | Hexachlorodibenzodioxin[1,2,3,7,8,9-] | 1.2e-006             | ug/L                 |
| NMED                 | LSW11-2017-1143      | Pueblo below GCS E060.1 | 10-05-2017           | PCB-11                                | 9.33e-005            | ug/L                 |
| NMED                 | LSW11-2017-1143      | Pueblo below GCS E060.1 | 10-05-2017           | PCB-15                                | 3.46e-006            | ug/L                 |
| NMED                 | LSW11-2017-1143      | Pueblo below GCS E060.1 | 10-05-2017           | PCB-209                               | 1.72e-005            | ug/L                 |



# Data Search- Advanced Search

## Advanced Search Options

### Analytical data

- i  [Analytical data](#)
- i  [Analytical lab quality control data](#)
- i  [Analytical data validation report](#)

### Exceedances

- i  [Query data that exceed a standard](#)

### Non-analytical data

- i  [Locations](#)
- i  [Borehole lithology](#)
- i  [Well report](#)
- i  [Field samples](#)
- i  [Chain of custody \(COC\) requested analyses](#)
- i  [Groundwater levels](#)
- i  [Field measurements](#)
- i  [Precipitation measurements](#)





# Documents Tab

The screenshot shows the myIntellus New Mexico website. The header includes the myIntellus logo, a home icon, and navigation links for "Search Data", "Maps", "Documents" (highlighted with a red box), "Definitions", "About Intellus", and "myIntellus". A large banner on the left encourages searching millions of Los Alamos area environmental monitoring records, with a "Search data now >" button. On the right, a "Log in to myIntellus" panel contains input fields for "Email address" and "Password", links for "Forgot password?" and "Create a free account >", and a "Log in >" button. The background is a scenic image of a desert landscape.

**myIntellus New Mexico**  
Connecting Community, Science and Environment

Search Data ▾ Maps **Documents** Definitions About Intellus myIntellus

Start searching millions of Los Alamos area environmental monitoring records.

[Search data now >](#)

Log in to myIntellus

Email address

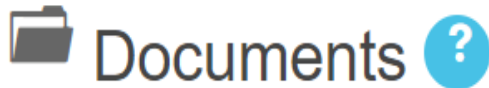
Password

[Forgot password?](#) [Create a free account >](#)

[Log in >](#)



# Documents Tab



Total 31082 Documents

Intellus Documents and Files

- ▶ Intellus Files
- ▶ LANL Files
- ▶ NMED-OB Files

## □ Intellus Files

### ▣ Contains

- Intellus Training Documents
- Intellus Update Archive
- Groups and Naming Conventions Paper



# Documents Tab

## Documents ?

Total 31082 Documents

Intellus Documents and Files

- ▶ Intellus Files
- ▶ LANL Files
- ▶ NMED-OB Files

## □ LANL Files

### ▣ Contains

- Data Packages
- Reports
- Standard Operating Procedures
- White Papers
- Well Documents



# Documents Tab

## Documents

Total 31082 Documents

Intellus Documents and Files

▶ Intellus Files

▶ LANL Files

▶ NMED-OB Files

- NMED-OB Files
  - ▣ Contains
    - Intellus Updates



# Definitions Tab

The screenshot shows the homepage of the myIntellus New Mexico website. The background is a scenic view of a desert landscape with mountains and trees. On the left, there is a large text overlay: "Start searching millions of Los Alamos area environmental monitoring records." Below this text is a blue button that says "Search data now >". At the top, there is a navigation bar with the following items: "Intellus New Mexico" logo, a home icon, "Search Data" with a dropdown arrow, "Maps", "Documents", "Definitions" (highlighted with a red box), "About Intellus", and "myIntellus". On the right side of the page, there is a white box with a blue header that says "Log in to myIntellus". Inside this box, there are two input fields: "Email address" and "Password". Below these fields are two links: "Forgot password?" and "Create a free account >". At the bottom of the box is a blue button that says "Log in >".

NEW MEXICO  
ENVIRONMENT DEPARTMENT

Intellus New Mexico  
Connecting Community, Science and Environment

Search Data ▼ Maps Documents **Definitions** About Intellus myIntellus

Start searching millions of  
Los Alamos area  
environmental monitoring  
records.

Search data now >

Log in to myIntellus

Email address

Password

[Forgot password?](#) [Create a free account >](#)

Log in >



# Definitions Tab



## Definitions & Lookup Tables ?

[Action limit parameters and associated limits](#)

ACTION\_LIMIT\_PARAMETER

[EP action limit names and descriptions](#)

EP\_ACTION\_LIMIT

[Field parameters](#)

FIELD\_PARAMETER

[Laboratory analytical methods](#)

LAB\_ANALYTICAL\_METHOD

[Laboratory information](#)

LABORATORY

[Location group names and descriptions](#)

LOCATION\_GROUP

[List of lookup value classes or categories](#)

LOV\_CLASS

[List of lookup values](#)

LOV\_MEMBER

[Parameter names and CAS #s \(Analytical\)](#)

PARAMETER

[Parameter background levels](#)

PARAMETER\_BACKGROUND\_LEVEL





# Maps



Search Data ▼

Maps

Documents

Definitions

About Intellus

myIntellus

Start searching millions of  
Los Alamos area  
environmental monitoring  
records.

Search data now >

Log in to myIntellus

[Forgot password?](#)

[Create a free account >](#)

Log in >



## Live Demonstration



# Questions?

Contact Us:

Megan Green, [Megan.Green@state.nm.us](mailto:Megan.Green@state.nm.us), 505-476-3091

Jaben Richards, [Jaben.Richards@state.nm.us](mailto:Jaben.Richards@state.nm.us), 505-476-3447