Getting the Most Out of FracTracker.org

A Focus on Using FracMapper
FracTracker Alliance

- FracTracker.org launched in 2010 as a CHEC project at the University of Pittsburgh
- Became independent non-profit organization, The FracTracker Alliance,” in 2012
- Featuring new data mapping tool: FracMapper
- FracMapper can be used to pinpoint and assess gas and oil activities. Free. Registration not required
- Currently have maps for 15 states and counting
FracMapper: New FracTracker Mapping Platform
For Example:
PA Permits, Wells, Violations, & Compressor Stations
What can you do with FracMapper?

- Find a well or permit near your home or place of interest
- Learn more about the nature of a violation issued (depending on the data’s availability)
- Measure how close a well is to a waterway, road, or residence
- Share your geo-located data with the world on a FracTracker map

- Volunteer water monitors with the Mountain Watershed Association have been using FracMapper to decide when and where to conduct water monitoring
- Export a map to take to your next municipality’s or organization’s meeting
- And more!
Working w/FracMapper

- Navigate to fractracker.org/maps. Select state.

- Manipulating the Map:
  - **Zoom:**
    - Using the scale bar in the upper left corner of screen
    - Or by double-clicking mouse or rolling mouse’s scroll wheel forward (not on all mice)
    - Currently there are 2 different versions of the scale bar, depending on the state (shown right)
    - Zoom in until points appear instead of generalized area
  - **Pan:** Click and hold down your mouse to pan
  - **Click** on a point or area for more information:
    - Will show data layer details (e.g. well’s API number, company, county name, watershed (HUC), and violation specs)
Toolbar Buttons

- **Toolbar Buttons:**
  - **About:** Provides metadata for the data displayed on the maps. Key for seeing data sources!
  - **Search:** Runs off of Google Maps. Can enter address, area, or landmark
    *Coming soon: Search by API number (well identification code)*
  - **Layers:**
    - Shows you which datasets are being shown on the map.
    - Can be toggled on and off.
    - Will vary by map and state.
    - When zoomed out too far, will see generalized (not point-based) well locations. This improves map’s loading time.
Toolbar Buttons (cont.)

- **Legend**: Identifies what points/areas mean using colors and shapes

- **Base Maps**: Background of the map. Can be changed depending on viewing preference. 9 options

- **Measure**: Tool used to determine distance, area, or geo-location of features on the map. Double click to end.
Toolbar Buttons (cont.)

- **Export**
  - **Two options:** Export (in development) or take a screen shot. Export shown below:

```
<iframe width="640" height="360"
src="http://maps.fractracker.org/2.0/?

Click to select the code, copy the code, & then paste. The code will change based your choices below.

Custom size width x height

Save as a PDF
Create a PDF version of your map with it's attribution information, legend, scale bar, and map features.
```

- Export
Additions & Coming Soon

Data Downloads:
- Now available!
- File types: Shape file (polygon/lines) and CSV (points)
- Can be found here: www.fractracker.org/data
- If you have data you would like to share, just let us know.

Coming Soon:
- Additional states and layers are continually being added.
- Request one today: info@fractracker.org

Keep Up To Date:
- Sign up for our monthly e-newsletter: www.fractracker.org/resources/e-newsletters/
Final Notes

A list of upcoming in-person trainings is maintained here:
- www.fractracker.org/2013/06/2013ftmwatraining/
- Contact us if interested in participating: info@fractracker.org

Feedback Requested:
- Please check out the website and provide us with some feedback about what you think of FracMapper:
  www.fractracker.org/2012/09/fracmapper/

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