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"THREE COUNTRIES.
ONE ENVIRONMENT."

Enhancing Access to Comparable Pollutant Data:
CEC's PRTR Mapping Tool for *Google Earth*

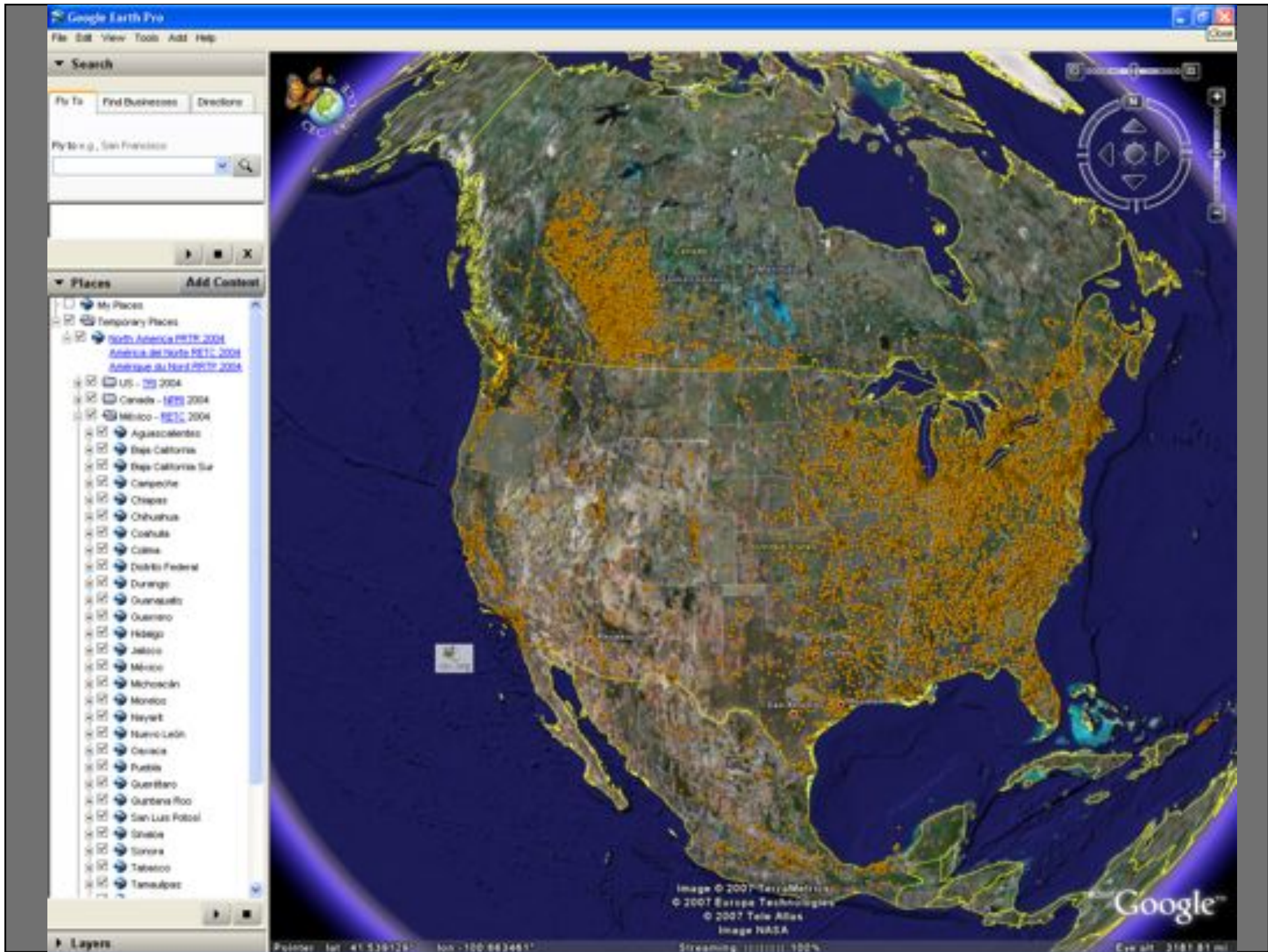
PRTR Consultative Group Meeting
Montreal, Canada
December 4, 2007

Commission for Environmental Cooperation

North American PRTRs

	Facilities	Chemical Reports	Tonnes
Canada NPRI	3,500	16,000	1,800,000
US TRI	24,000	90,000	3,500,000
Mexico RETC	1,300	4,400	19,000
North American Total	29,000	110,000	5,300,000

Note: Canada and Mexico also have substantial facility-based reporting of greenhouse gases and criteria air pollutants.



Google Earth Pro

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- Baja California
- Baja California Sur
- Campeche
- Chiapas
- Chihuahua
- Coahuila
- Colima
- Distrito Federal
- Durango
- Guerrero
- Guerrero
- Hidalgo
- Jalisco
- México
- Michoacán
- Morelos
- Nayarit
- Nuevo León
- Oaxaca
- Puebla
- Querétaro
- Quintana Roo
- San Luis Potosí
- Sinaloa
- Sonora
- Tamaulipas
- Tlaxcala

Layers

Position: lat: 41.539126 lon: -100.863461

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Eye alt: 3181.81 m

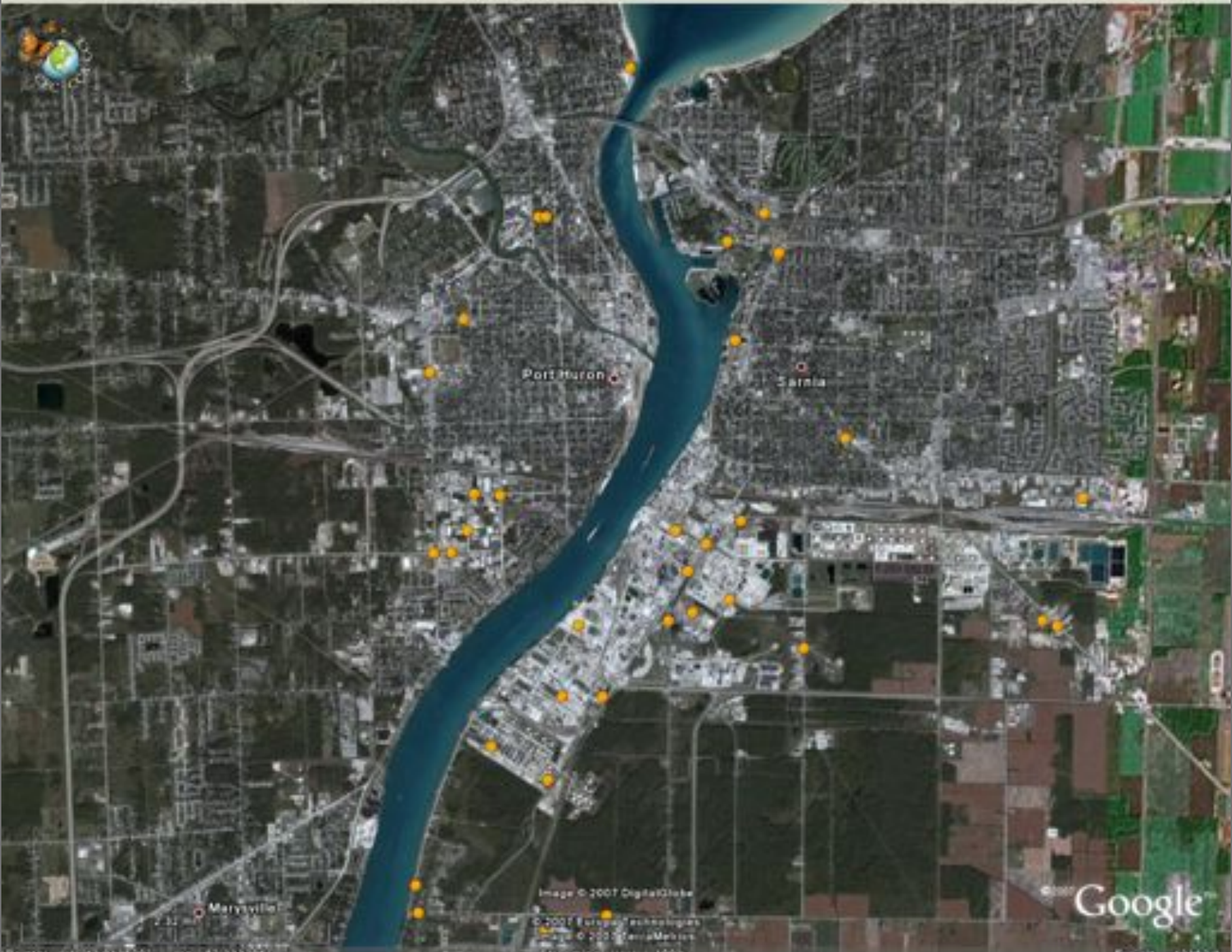


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Streaming 100%

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Eye alt 425621

Point: 42 915520 42 933200



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DUNN PAPER INC
 216 RIVERVIEW ST
 PORT HURON, MICHIGAN 48060
 USA

[The 2004 Award](#)

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U.S. Environmental Protection Agency

Facility Profile Report

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TRI Facility Name: SUNN PAPER INC
 Address: 218 RIVERVIEW ST
 FORT MONROE, MI 48000
 County: ST CLAIR
 Public Contact: BRENT A. GARNSWAM
 Phone Number: 810 665-3457

Forms Submitted to TRI in 2004 Reporting Year

Form 8 (paper form): 1
 Form 8 (electronic form): 0

[Click here for TRI Reporting Forms in EPA Electronic database](#)

Standard Industrial Classification (SIC) Codes in 2004 Reporting Year

2621 PAPER MILLS

Reported TRI Chemical Data

(in pounds for all chemicals reported in 2004)

Total On-site Releases	12
Total Off-site Releases	40
Total Transfer Off-site for Further Waste Management	40
Total Waste Managed	60

TRI Facility Trend Graphs (click to view trend graph)

[Total On- and Off-site Releases](#)[Total Transfer Off-site for Further Waste Management](#)[Total Waste Managed](#)

TRI Chemical Trend Table (click to view trend table)

(all chemicals reported to TRI between 1992 and 2004)

Row #	Chemical	On- and Off-site Releases Trend	Transfer Off-site for Further Waste Management Trend	Quantities of TRI Chemicals in Waste Trend	EPA's WQS Substance File (Risk Information)
1	AMMONIA	0	0	0	0
2	LEAD	0	0	0	0
3	NITRIC ACID	0	0	0	0
4	SODIUM HYDROXIDE (SOLUTION)	0	0	0	0
5	SULFURIC ACID (100% AND AFTER "ACID AEROSOLS" ONLY)	0	0	0	0

Other TRI Facility Information

What does this allow and why is this important?

- Find PRTR facilities in places of interest, with special relevance to border regions
- Seamless access to industrial pollutant data in separate national databases
- Expands the utility of existing services
- Opportunity for improving data quality



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Mapping industrial pollutants

The IJC's new map layer for Google Earth lets users see photo pollution data from over 24,000 industrial facilities in North America.

With new information on chemical releases and transfers from 18,000 industrial sources now available to the public, the IJC has created the first ever online, best-of-both-worlds map that combines current and past specific industrial pollution data in Canada, Mexico and the United States.

Using the Google Earth mapping service, our users can see the complete picture: the color-coded air quality geospatial data produced over multiple stages and time periods—the IJC's Map, Map, Map (see page 22)—and North American location facilities. The separate release and transfer information is only available when you enable that data on this country.

This mapping tool allows users to see their statistics, whether in Canada, Mexico, or the United States, on the industrial facilities around their hometown, and worldwide, or their interests. They can learn about the pollution profile of each facility, including which pollutants are generated and how the facility handles them. Users can also compare the performance of facilities in their community to other facilities—large, medium, and, like, or the best industry.

Information used in the mapping tool comes from publicly accessible "Industrial Release and Transfer Reports" (IRTRs), "Emissions Reporting by State from American Countries" (Emissions Release Transfer Reports) (ERTRs) in Canada, the National Environmental Reporting System (NERS) in Mexico, and the Toxic Release Inventory (TRI) data in the United States.

Combined, the 24,000 industrial facilities in combination across the continent provide our users with a comprehensive picture with information on the management of waste for release, transfer, and/or recycling, hazardous materials, and year-to-year data.

IRTRs provide users with a valuable resource for seeing priorities, protecting our common interests, and making progress. Other IJC, the IJC has been working closely with the three countries across a number of facilities, reports, and other matters, including both the number of facilities, and environmental, and water quality. It is helping to see how many reporting sites.

Each year, using their own data as a benchmark, the IJC publishes being that a highly anticipated report, the previous IJC's "Open-to-Open" profile of North American industrial activities and reports, the first time in 20 years, the report being able to be able to have a better picture of comparative pollution data from all three countries.

The IJC's mapping tool is one of the products to be produced through the IJC's North American Environmental Atlas project. It is a collaboration with the IJC, and one of the products that will allow us to have a better picture of comparative pollution data from all three countries.

Industrial Pollution Reporting in 2010, by Country

	2010 (100,000)	2009 (100,000)	2008 (100,000)
Canada (100,000)	1,200	1,100	1,000
USA (100,000)	15,000	14,000	13,000
Mexico (100,000)	1,200	1,100	1,000
North America Total	17,400	16,200	15,000

Note: Canada and Mexico also have submitted to this report reporting of photo pollution data from their industrial facilities, which is being the total number of facilities across all three.



WHITECOURT POWER PLANT
PAULINE DAM
 Whitewater, Ontario, Canada
[View on Google Earth](#)

INDUSTRIAL SYSTEM
 Rochester, New York
 United States
[View on Google Earth](#)

GENERAL MOTORS DE MEXICO S. DE RL. DE CV.
 Cuernavaca, Mexico
[View on Google Earth](#)

- Features of the IJC's Mapping Tool**
- Identify the facility: users can click search from lists of Google Earth, by postal code, city name, etc., or just click on any the map/geospatial.
 - Clicking on a facility displayed in Google Earth gives users an information window with the name and address of the facility, alongside a short description for details its pollution release activities on the corresponding national media country.
 - Beyond the basic pollution information is comparable with other way users developed by the Google Earth community of users.