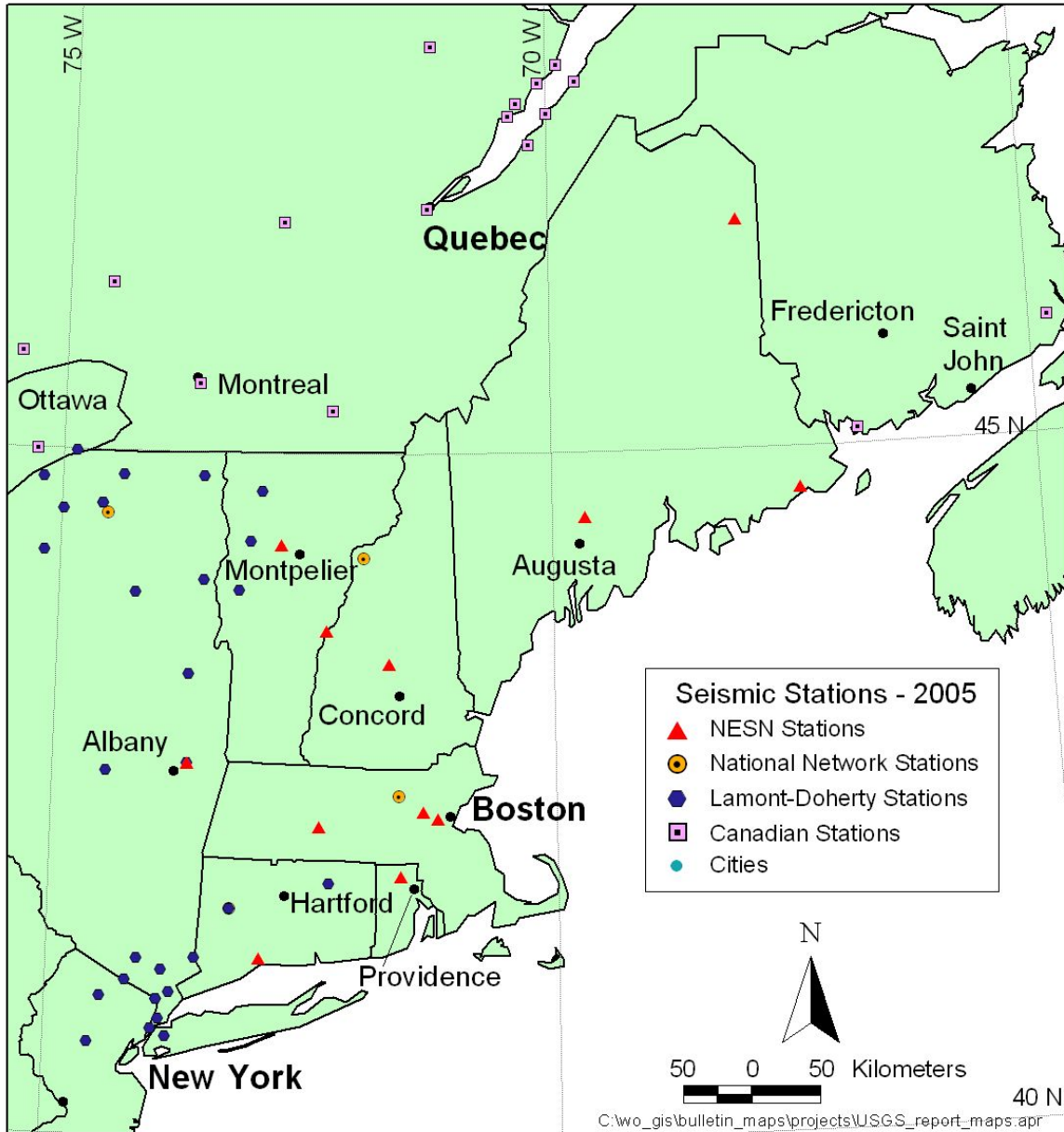


Figure 1. Seismic monitoring stations in New England in 2005. The triangles show the locations of the NESN stations operated by Weston Observatory of Boston College



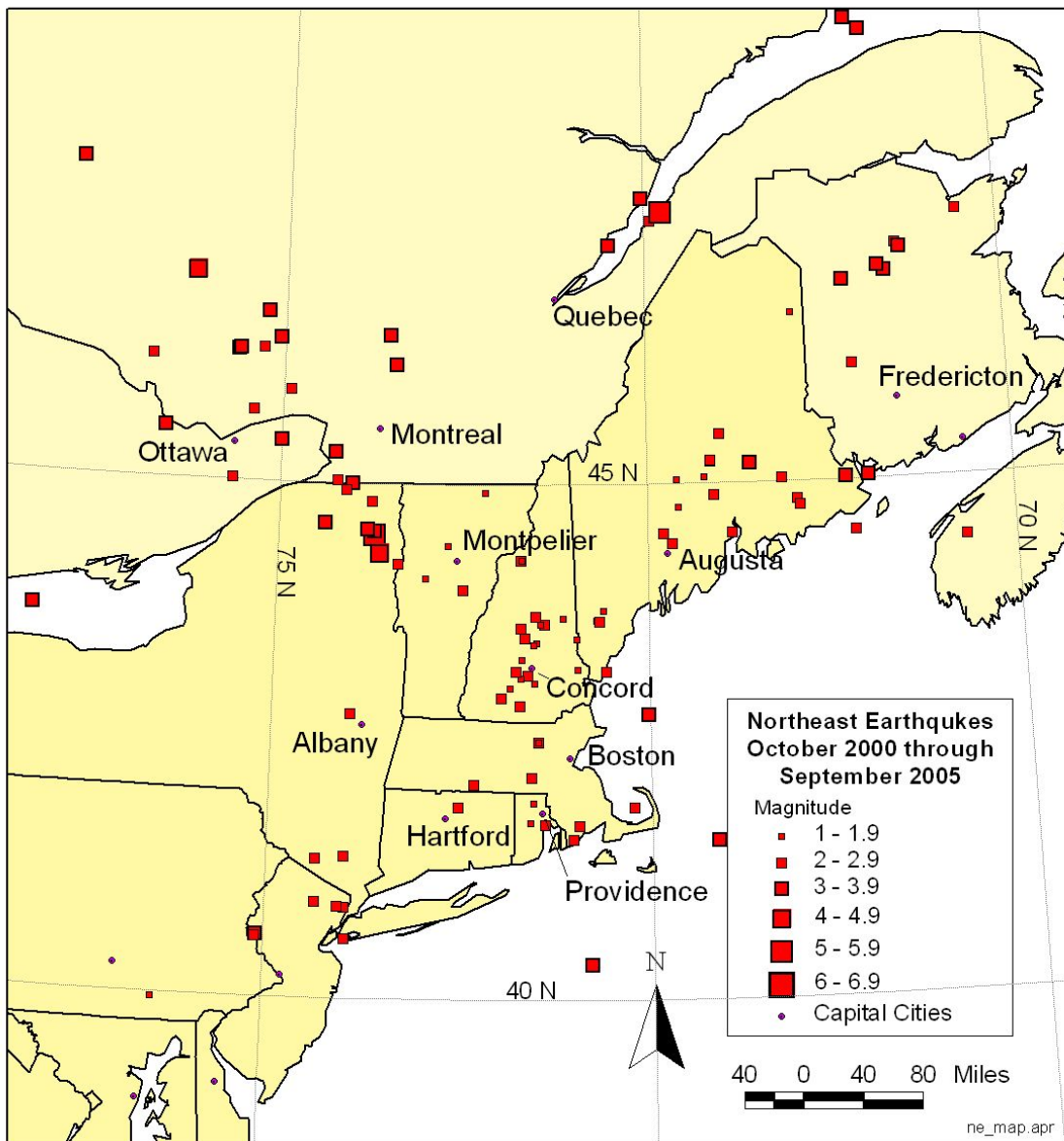


Figure 2. Local and regional seismicity detected by the NESN of Weston Observatory from October 1, 2000 to September 30, 2005. Earthquake locations are those of the authoritative regional seismic network (Weston Observatory in New England, LDEO in the middle Atlantic states, and CGS in Canada).

**Table 1**  
**Summary Statistics for Regional/Urban Seismic Network**  
(as of 30 Sept. 2005)

|  |         |
|--|---------|
| Total no. of stations operated and/or recorded                           | 12/22   |
| Total no. of channels recorded   | 22x3=66 |
| No. of short-period (SP) stations  | 0       |
| No. of short-period (SP) stations with metadata (response information)   | 0       |
| No. of broadband (BB) stations   | 22      |
| No. of broadband (BB) stations with metadata                             | 2       |
| No. of strong-motion (SM) stations                                       | 2       |
| No. of strong-motion (SM) stations with metadata                         |         |
| No. of stations maintained & operated by network                         | 12      |
| No. of stations maintained & operated by network with full metadata      |         |
| No. of stations maintained & operated as part of ANSS                    | 12      |
| No. of stations maintained & operated as part of ANSS with full metadata |         |
| Total data volume (mbytes/day)   | 653 Mb  |

**Table 2**  
**Earthquake Data and Information Products**

| <b>Network Products</b>                      |   |  |
|--|---|--|
|  | Does the network provide the following? | Comments/Explanation   |
| <b>Primary EQ Parameters</b>                 |   |  |
| Picks  | Yes                                     | Currently provided in online reports   |
| Hypocenters                                  | Yes                                     | Available Online and via page/e-mail   |
| Magnitudes (& Amplitudes)                    | Yes                                     | Available Online and via page/e-mail   |
| Focal mechanisms                             |   |  |
| Moment Tensor(s)                             |   |  |
| <b>Other EQ Parameters/Products</b>          |   |  |
| ShakeMap                                     | Yes                                     | We are currently working on implementation                                     |
| Finite Fault                                 | No                                      | Only warranted for largest events  |
| <b>Supplemental Information</b>              |   |  |
| Felt Reports                                 | Yes                                     | Available Online   |
| Event Summary                                | Yes                                     | Available Online and via page/e-mail   |
| Tectonic Summary                             |   |  |
| Collated Maps                                |   |  |
| Refined Hypocenters (e.g. double-difference) | No                                      |  |
| <b>Web Content</b>                           |   |  |
|  |   | <a href="http://www.bc.edu/westonobservatory">www.bc.edu/westonobservatory</a> |
| Recent EQ Maps                               | Yes                                     |  |
| Station Helicorder                           | Yes                                     | Earthworm-heli_ewII web page   |
| Station noise PDFs                           | No                                      |  |
| Station Performance Metrics                  | No                                      | Internal Access  |
| Network Description                          | Yes                                     |  |
| Station List                                 | Yes                                     |  |
| Station Metadata                             |   |  |
| Email Notification Services                  | Yes                                     | Auto notification via e-mail & pager   |
| Contact Info                                 | Yes                                     | Internal Access  |
| Region-specific FAQs                         | Yes                                     |  |
| Region-specific EQ info                      | Yes                                     |  |
| <b>Waveforms</b>                             |   |  |
| Triggered                                    | Yes                                     | Available by request   |
| Continuous                                   | No                                      | We are working to get these to IRIS  |
| Processed                                    |   |  |
| <b>Summary Products</b>                      |   |  |
| Catalogs                                     | Yes                                     | Complete NESN catalog avail. Online  |
| <b>Metadata</b>                              |   |  |
| Instrument Response                          | Yes                                     | Currently compiling dataless SEEDs   |
| Site Info (e.g. surface geology, Vs30)       | No                                      |  |

## Network Products

Does the network  
provide the following?

Comments/Explanation

Key:

### Descriptions:

*Tectonic Summary:* Text and/or figures describing the tectonic setting of the event and related activity

*Event Summary:* Text and/or figures (press releases, collated media/disaster agencies info) that describes the earthquake and its effects

*Collated Maps:* Any map or set of maps that illustrates the event properties, tectonics, hazards, etc

*Processed Waveforms:* Specialized processing that is required by some portion of the community, e.g. processed strong motion records for the engineering community

*Catalogs:* Lists of parameters that describe an earthquake(s) or information used to describe an earthquake (e.g., picks, locations, amps,..)

*Region-specific earthquake information:* Description (text and/or maps) of historical earthquakes, faults/geology, etc.

