



NEW YORK



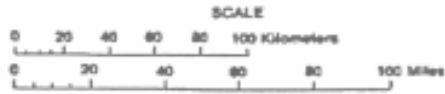
HUBBARD
Topographic Maps
1:50,000 Scale
© 1998



NEW YORK

EXHIBIT A

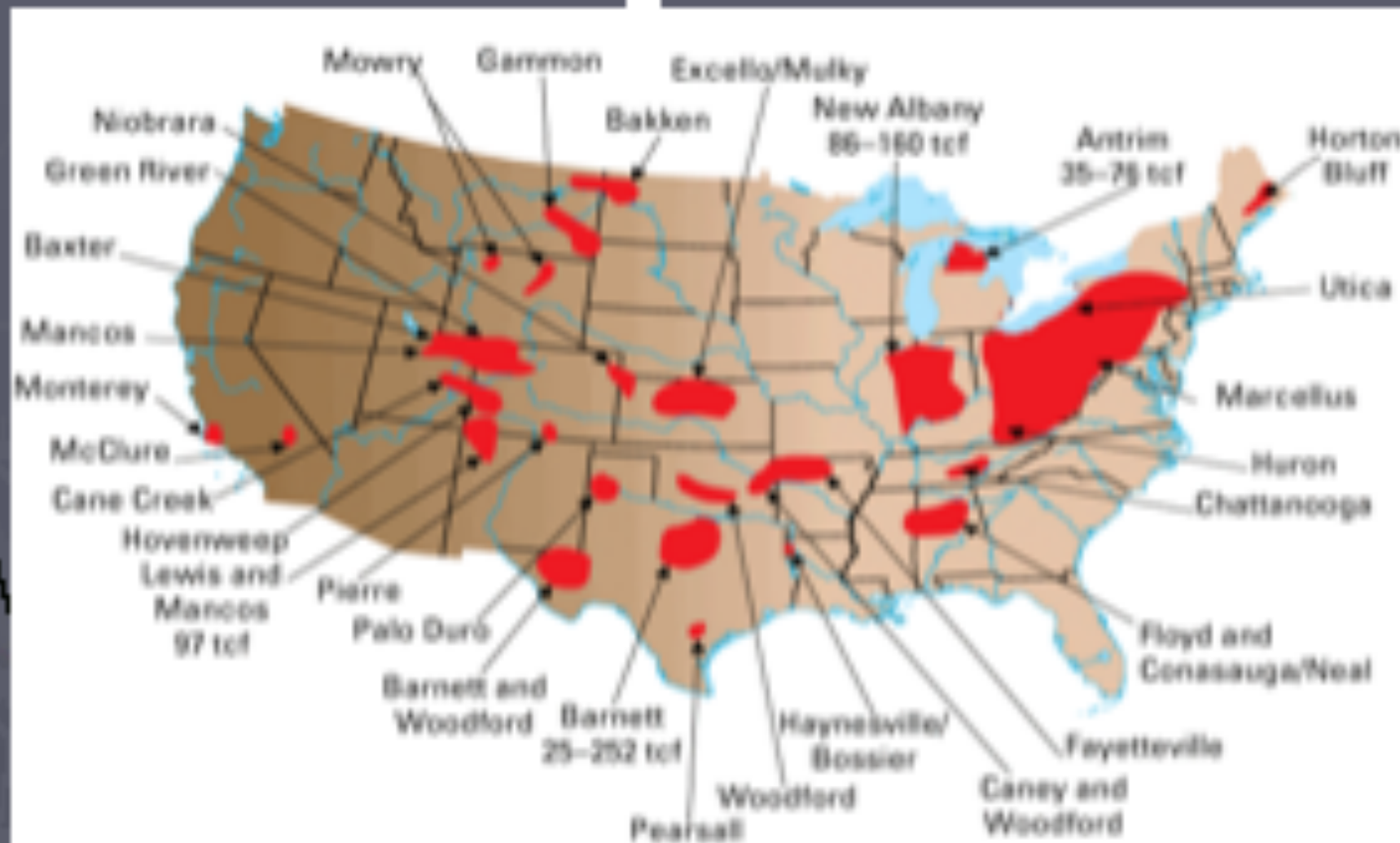
Approximate Area of Onondaga Nation Aboriginal Territory



Boundaries as of January 1, 1990



Shale Gas – A National Perspective



Environmental Advocates of New York • Tel 518.462.5526 • Fax 518.427.0381 • www.eany.org

Energy secretary of Donald Rumsfeld's Bush administration

Legend

- Depth to the Top of the Marcellus Shale
- ▨ Marcellus Shale and Hamilton Group Outcrop
- Extent of the Marcellus Shale in New York



FIGURE 4.8

DEPTH AND EXTENT OF MARCELLUS SHALE IN NEW YORK STATE

Technical Support Document to the
Draft Supplemental Generic
Environmental Impact Statement



Source:
New York State Museum - Research Characterization Group (2004, 2005)

Legend

- Depth to Base of Utica Shale*
- Utica Shale Outcrop
- Extent of the Utica Shale in New York



FIGURE 4.5

DEPTH TO BASE OF UTICA SHALE IN NEW YORK STATE

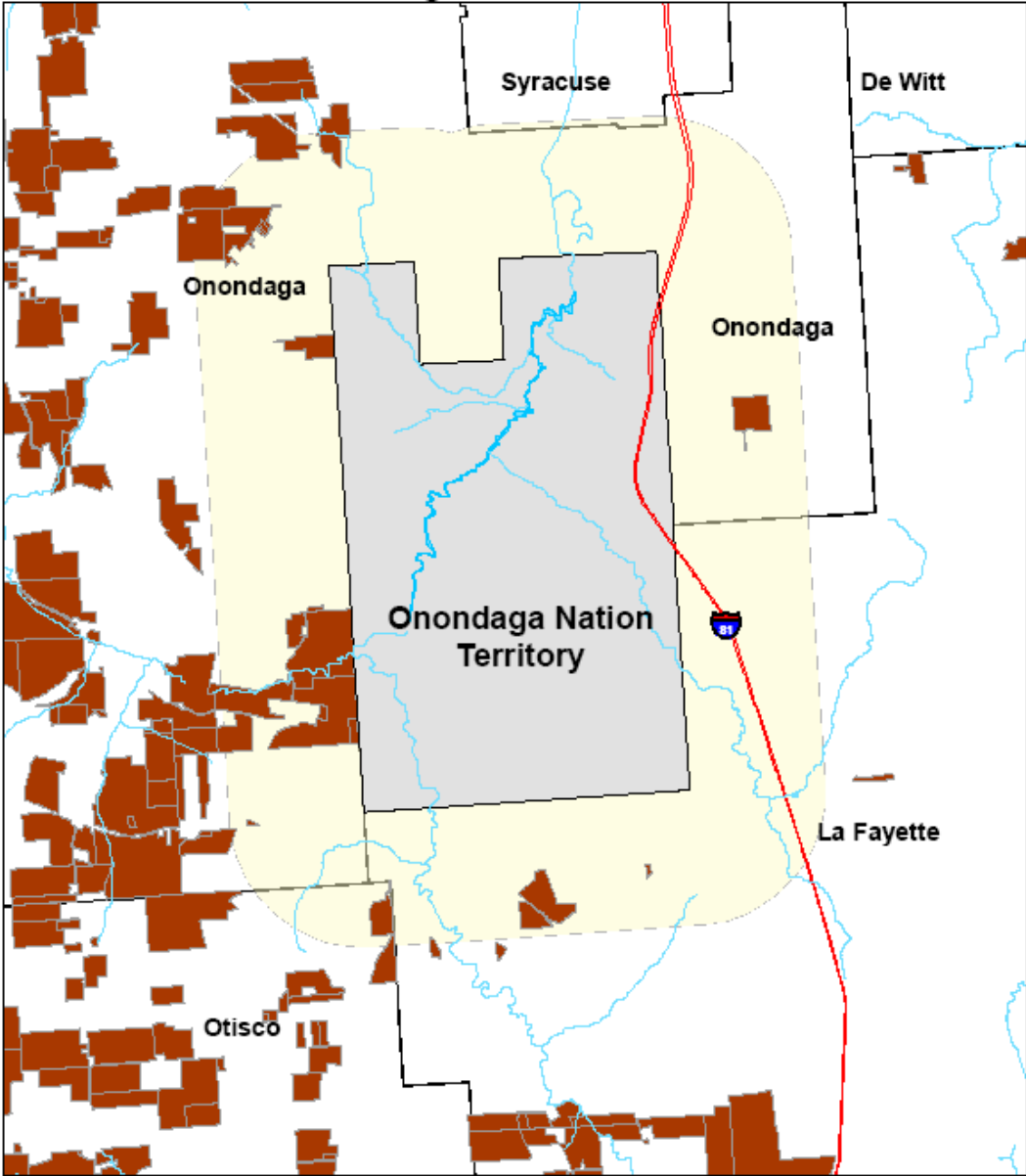
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Draft Supplemental Generic
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Notes:
*Top of the Teton lineation approximates the base of the
shale (New York State Museum, Research Characterization
No. 100,
U. S. Geological Survey, Central Energy Resource Team 1985).





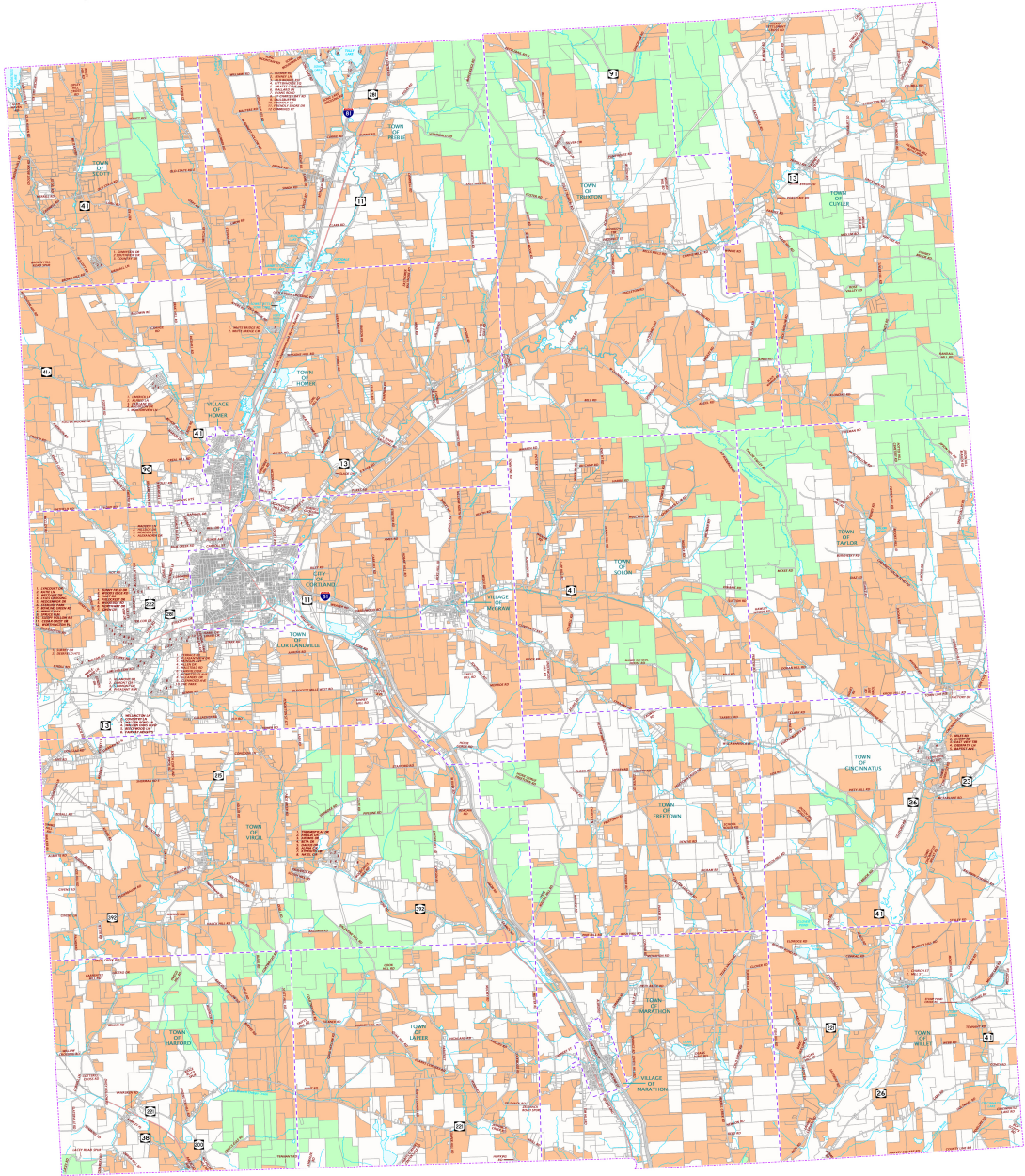
Hydrofracking Leases Signed within One Mile of the Onondaga Nation as of Feb. 2010



- Legend**
- Water Bodies
 - Tax Parcels with Hydrofracking Leases
 - 1 Mile Radius

February 2010
Map created by Syracuse Community Geography

PROPERTIES WITH GAS LEASES
CORTLAND COUNTY
NEW YORK



August 31, 2010

PROPERTIES WITH GAS LEASES
STATE FOREST











~~FRACK~~