INNOVATIVE METHODOLOGY FOR DETECTION OF FRACTURE-CONTROLLED SWEET SPOTS IN THE NORTHERN APPALACHIAN BASIN

June 1, 2000-March 31, 2007

TOPICAL REPORT #6

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ABSTRACT

This Topical Report (#6 of 9) consists of the figures 3.6-13 to (and including) 3.6-18 (and appropriate figure captions) that accompany the Final Technical Progress Report entitled: "Innovative Methodology for Detection of Fracture-Controlled Sweet Spots in the Northern Appalachian Basin" for DOE/NETL Award DE-AC26-00NT40698.

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LIST OF GRAPHICAL MATERIALS

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FIGURE 3.6-14. Detailed Isopach Map: “E” Salt.

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FIGURE 3.6-17. Regional Isopach Map: Onondaga to Irondequoit.

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FIGURE CAPTIONS FOR TOPICAL REPORT #6

FIGURE 3.6-13 **Regional Isopach Map: "E" Salt.**
Contour interval = 20 ft. (6 m). Red box in center indicates location of Figure 3.6-14.

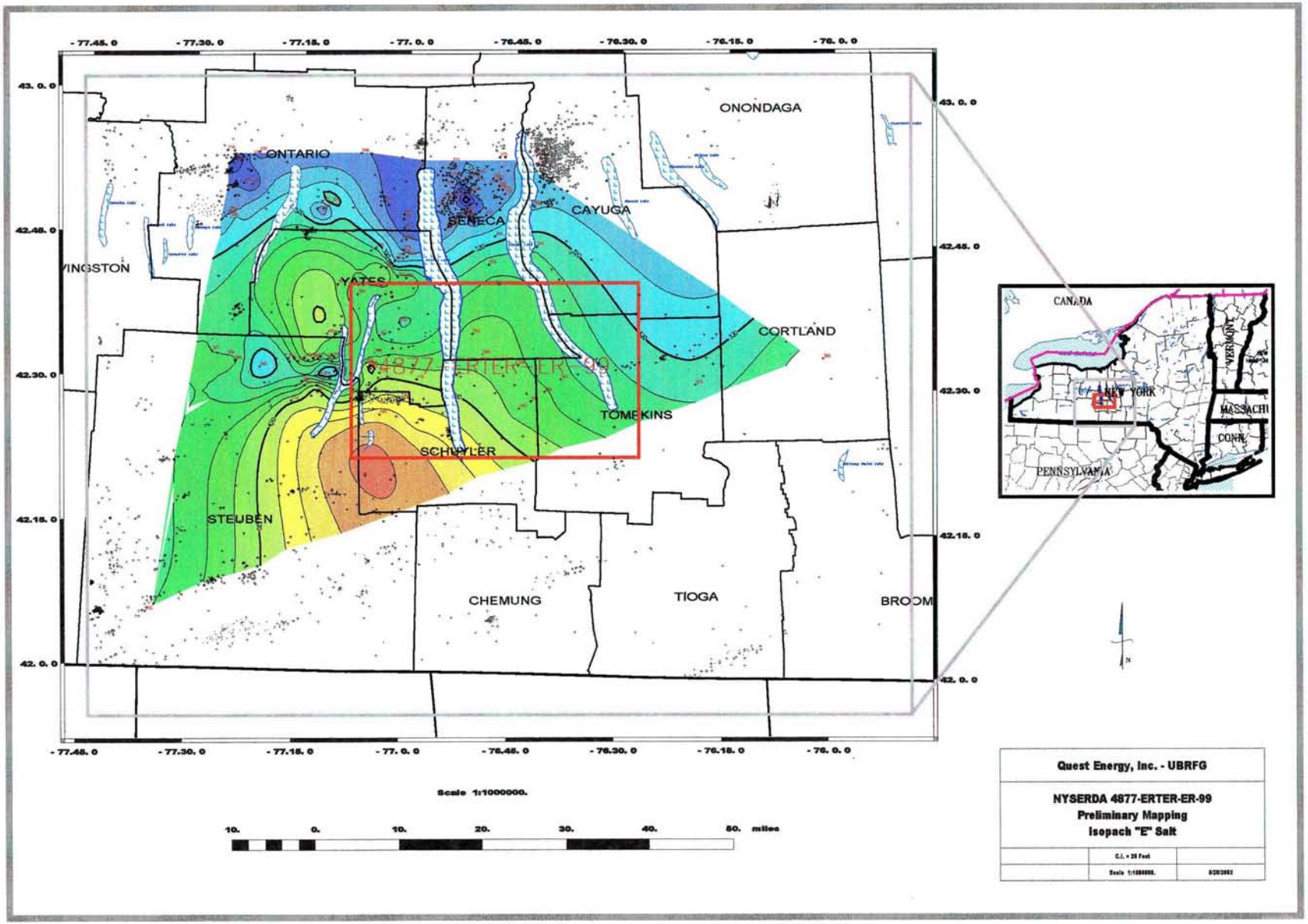
FIGURE 3.6-14. **Detailed Isopach Map: "E" Salt.**
Contour interval = 20 ft. (6 m). Location shown as red box in Figure 3.6-13.

FIGURE 3.6-15. **Regional Isopach Map: "E" and "F" Salts.**
Contour interval = 20 ft. (6 m). Red box in center indicates location of Figure 3.6-16.

FIGURE 3.6-16. **Detailed Isopach Map: "E" and "F" Salts.**
Contour interval = 20 ft. (6 m). Location shown as red box in Figure 3.6-15.

FIGURE 3.6-17. **Regional Isopach Map: Onondaga to Irondequoit.**
Contour interval = 20 ft. (6 m). Red box in center indicates location of Figure 3.6-18.

FIGURE 3.6-18. **Detailed Isopach Map: Onondaga to Irondequoit.**
Contour interval = 20 ft. (6 m). Location shown as red box in Figure 3.6-17.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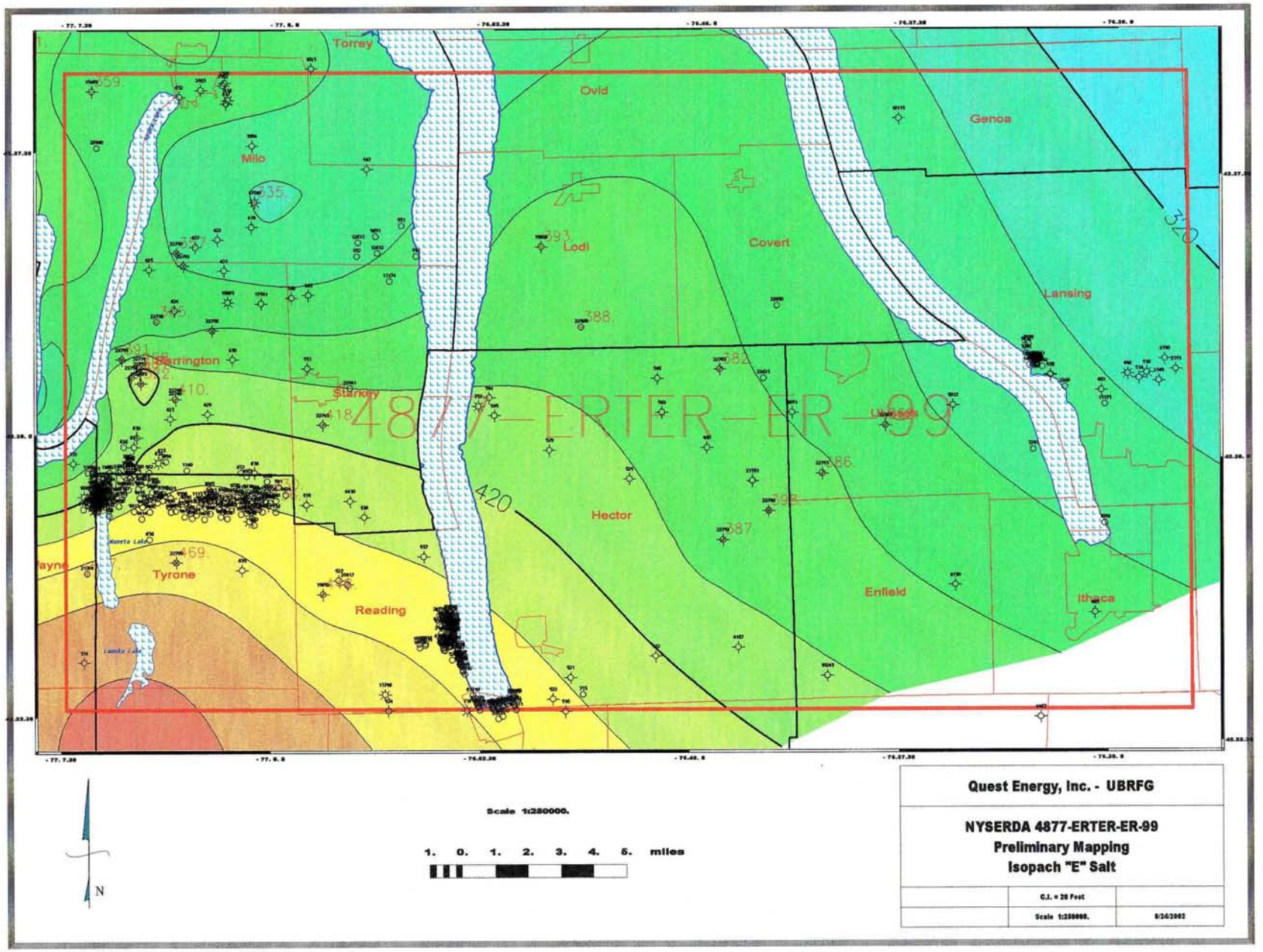
ONONDAGA
ONTARIO
SENECA
CAYUGA
YATES
CORTLAND
TOMPKINS
SCHUYLER
STEUBEN
CHEMUNG
TIOGA
BROOM
CANADA
NEW YORK
PENNSYLVANIA
Scale 1:1000000.
10. 0. 10. 20. 30. 40. 50. miles
Quest Energy, Inc. - UBRFG
NYSERDA 4877-ERTER-ER-99
Preliminary Mapping
Isopach "E" Salt

FIGURE 3.6-13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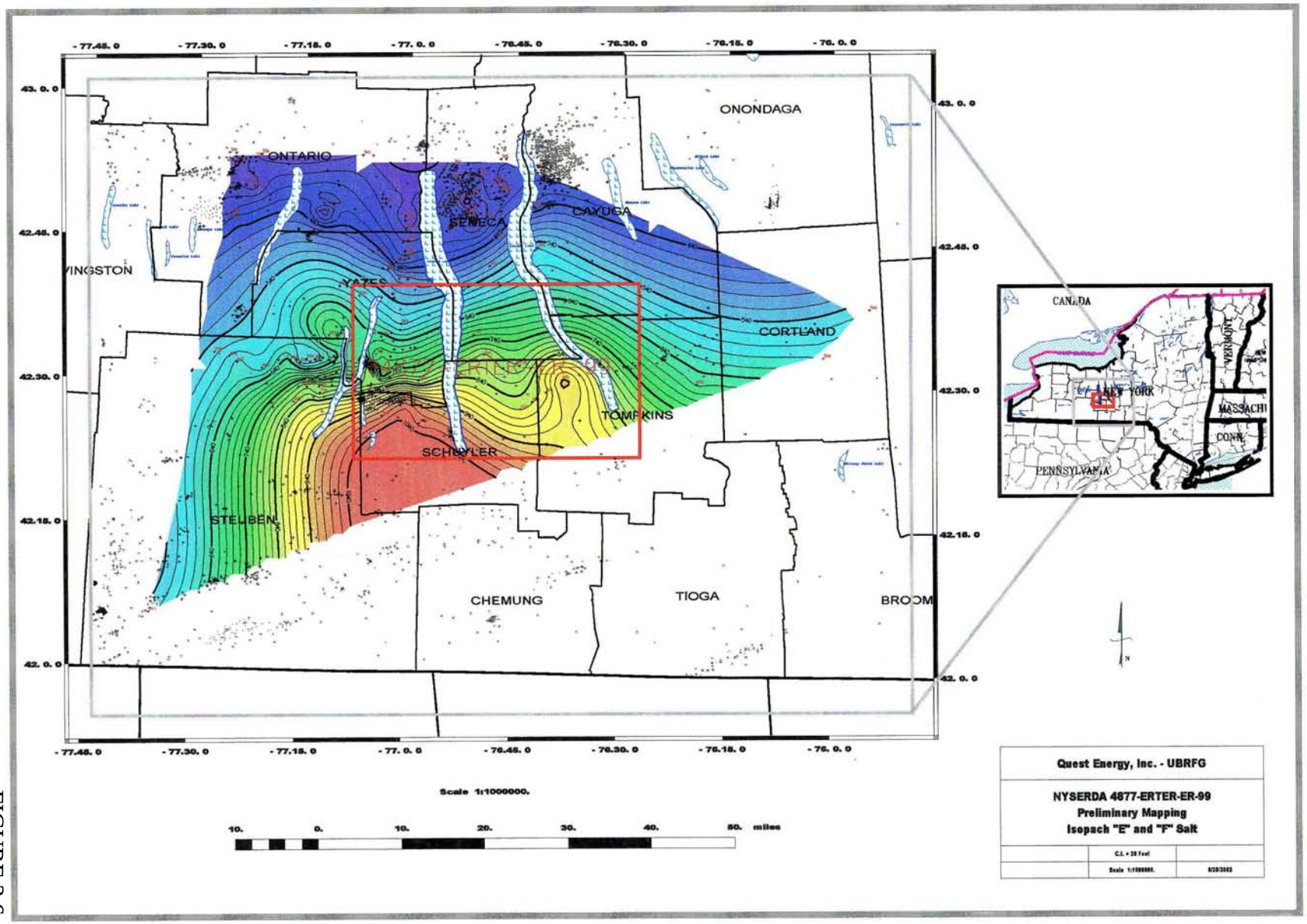
Genoa
Milo
Lodi
Covert
Lansing
Starrington
Starkey
4877-ERTER-ER-99
Hector
Tyrone
Reading
Enfield
Ithaca
Scale 1:250000.
1. 0. 1. 2. 3. 4. 5. miles
N
Quest Energy, Inc. - UBRFG
NYSERDA 4877-ERTER-ER-99
Preliminary Mapping
Isopach "E" Salt
C.I. = 20 Feet
Scale 1:250000.
9/26/2003

FIGURE 3.6-14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SCHUYLER
STEUBEN
CHEMUNG
TIOGA
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NEW YORK
VERMONT
MASSACHU
CONN.
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10. 0. 10. 20. 30. 40. 50. miles
Quest Energy, Inc. - UBRFG
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Preliminary Mapping
Isopach "E" and "F" Salt
C.I. = 20 Feet
Scale 1:1000000.
8/28/2003

FIGURE 3.6-15

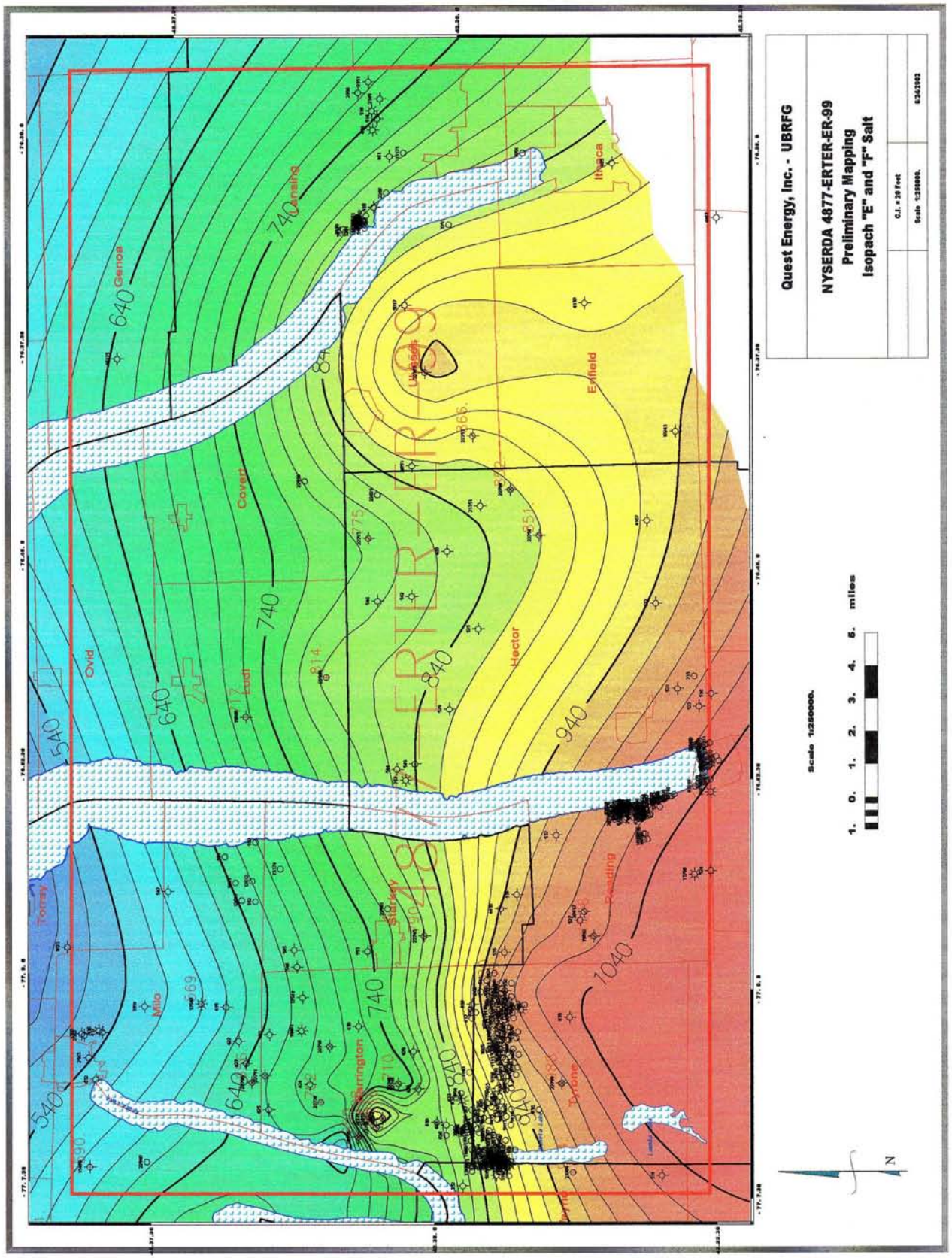
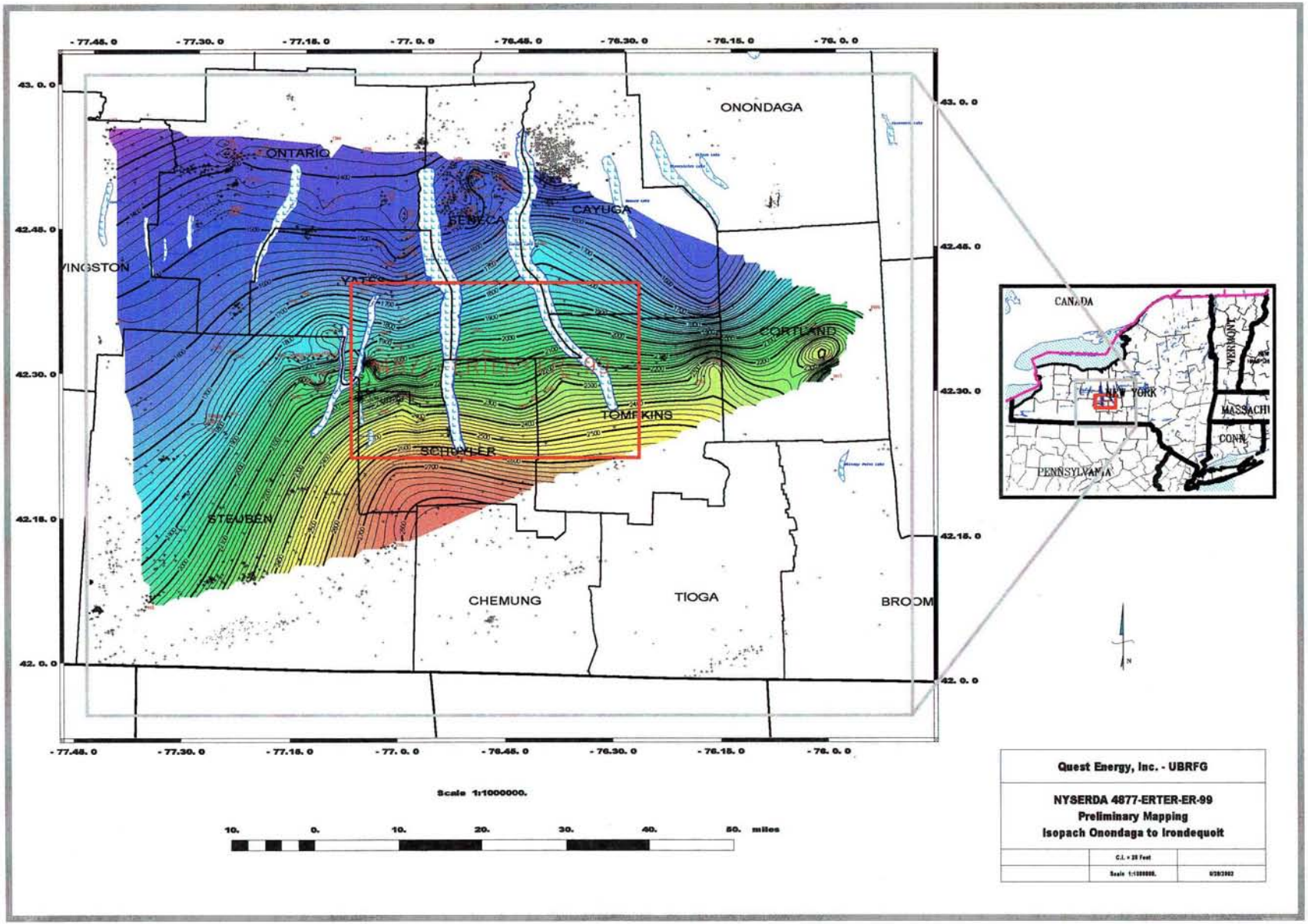

Quest Energy, Inc. - UBRFG
NYSERDA 4877-ERTER-ER-99
Preliminary Mapping
Isopach "E" and "F" Salt
C.I. = 20 Feet
Scale 1:250000.
Scale 1:250000.
1. 0. 1. 2. 3. 4. 5. miles
N
Genoa
Ansing
Ithaca
Enfield
Covert
Ovid
Lodi
Hector
Torrey
Milo
Starkey
Reading
Barrington
Tyrone
Lamar
540
640
740
840
940
1040
ERTER-ER-99
4877

FIGURE 3.6-16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42.45. 0
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ONONDAGA
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CHEMUNG
TIOGA
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NEW YORK
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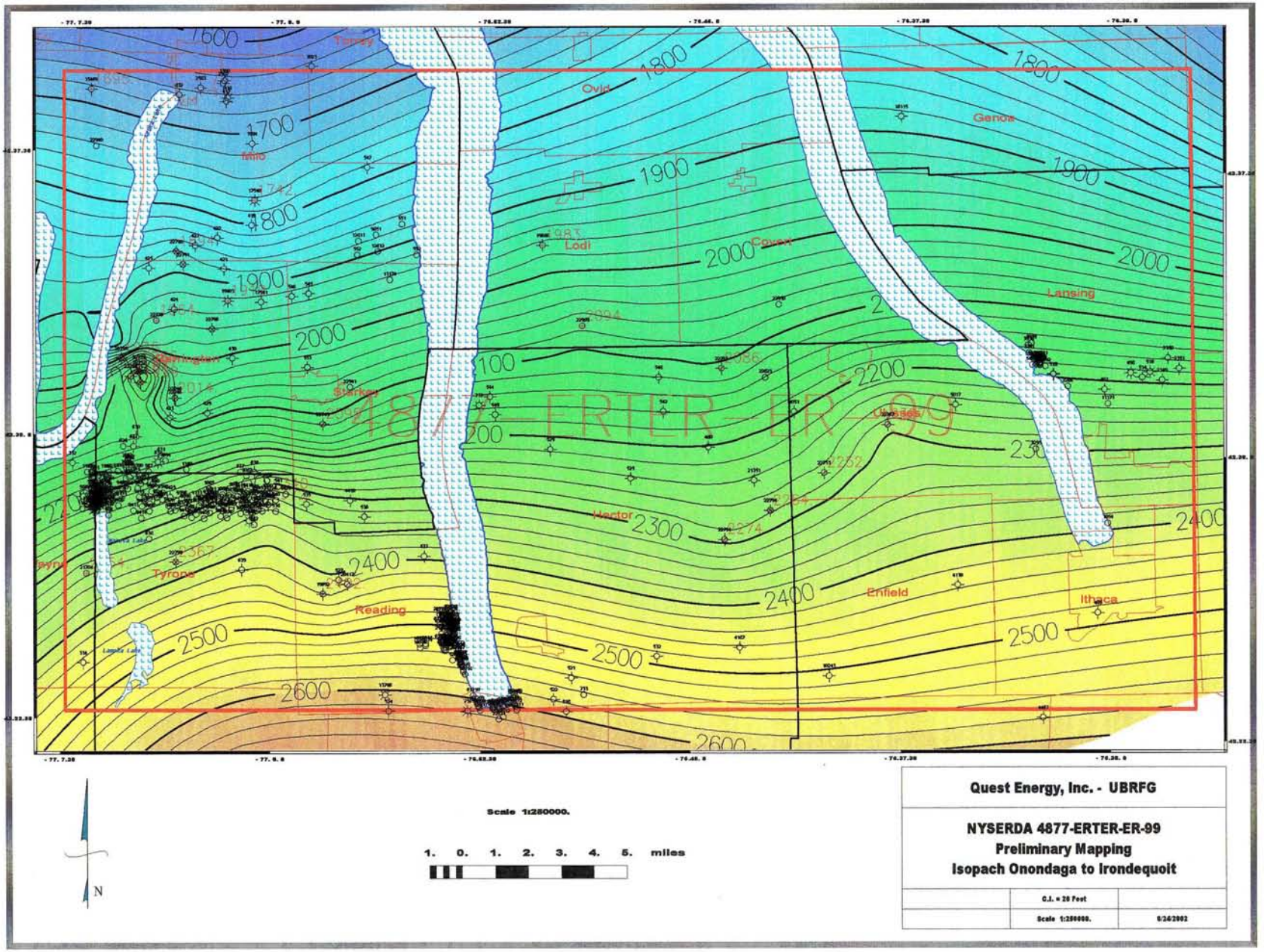
Scale 1:1000000.
10. 0. 10. 20. 30. 40. 50. miles
Quest Energy, Inc. - UBRFG
NYSERDA 4877-ERTER-ER-99
Preliminary Mapping
Isopach Onondaga to Irondequoit

FIGURE 3.6-17


Torrey
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Lodi
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Lansing
Starkey
Ulysses
Varick
Reading
Enfield
Ithaca
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1600
1700
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Preliminary Mapping
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9/26/2002

FIGURE 3.6-1