

Where in Minnesota Can You Find 35,000 PPM Nitrate?

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JOURNAL HISTORIQUE
DE
L'ÉTABLISSEMENT DES FRANÇAIS
A LA LOUISIANE.



NOUVELLE-ORLÉANS
(ÉTATS-UNIS),
A.-L. BOIMARE, LIBRAIRE-ÉDITEUR;
PARIS
HECTOR BOSSANGE, LIBRAIRE,
QUAI VOLTAIRE, N° 11.

1831.

MINNESOTA
HISTORICAL SOCIETY

HISTORICAL COLLECTIONS
OF
LOUISIANA,
EMBRACING TRANSLATIONS OF
MANY RARE AND VALUABLE DOCUMENTS
RELATING TO THE
NATURAL, CIVIL AND POLITICAL
HISTORY OF THAT STATE.
COMPILED WITH
HISTORICAL AND BIOGRAPHICAL NOTES,
AND AN
INTRODUCTION,
BY
B. F. FRENCH,
*Member of the Louisiana Historical Society; of the American Association for the
Advancement of Science; Honorary Member of the Historical Society of
Pennsylvania; Corresponding Member of the Academy of
Natural Sciences of Philadelphia; of the Historical
Society of New-York; etc., etc.*

PART III.

NEW-YORK:
D. APPLETON & COMPANY.
New Orleans, J. BALL; London, JOHN CHAPMAN; Paris, GALIGNANI & Co.
1851.

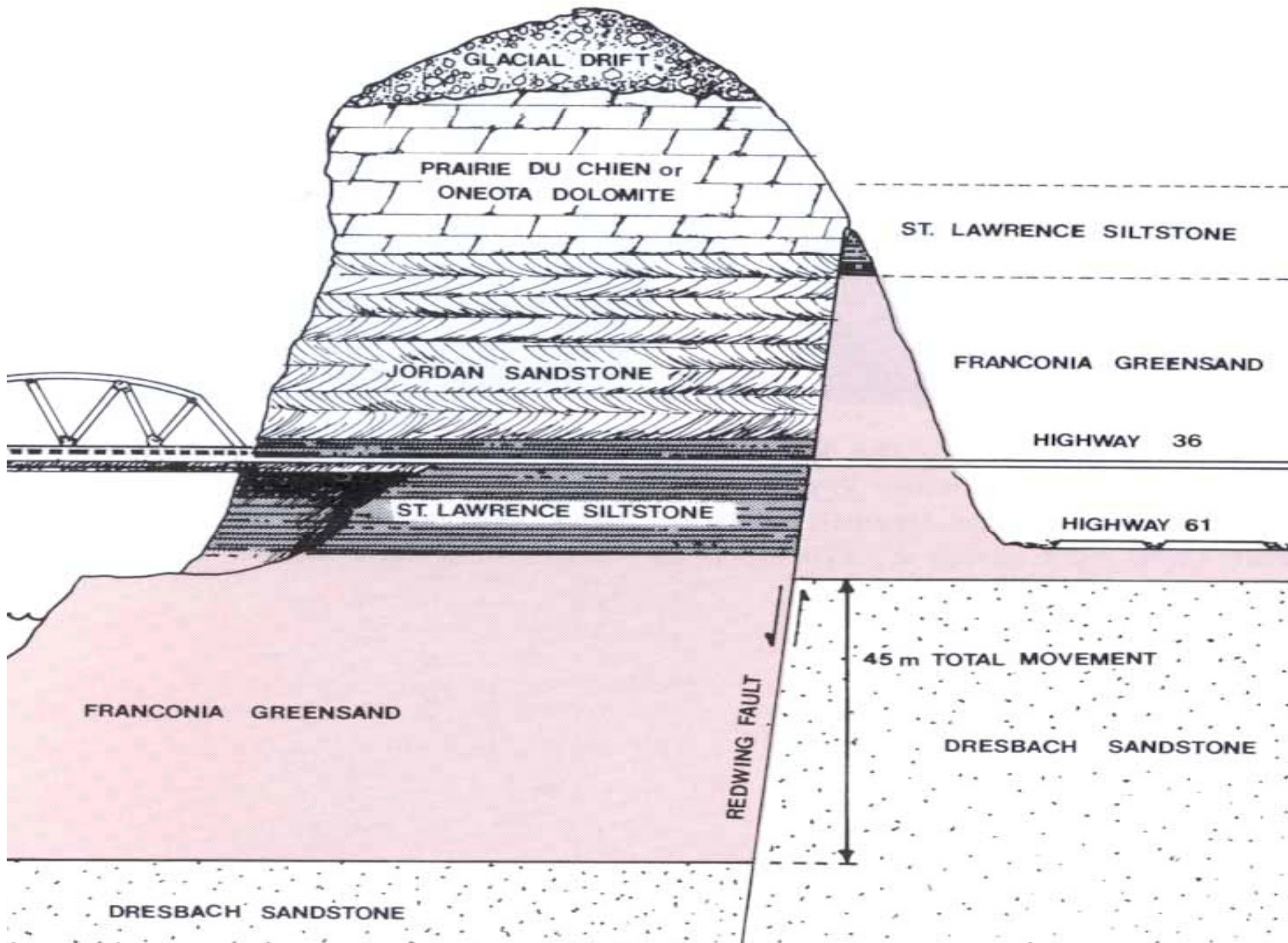


*Frontenac
State Park*







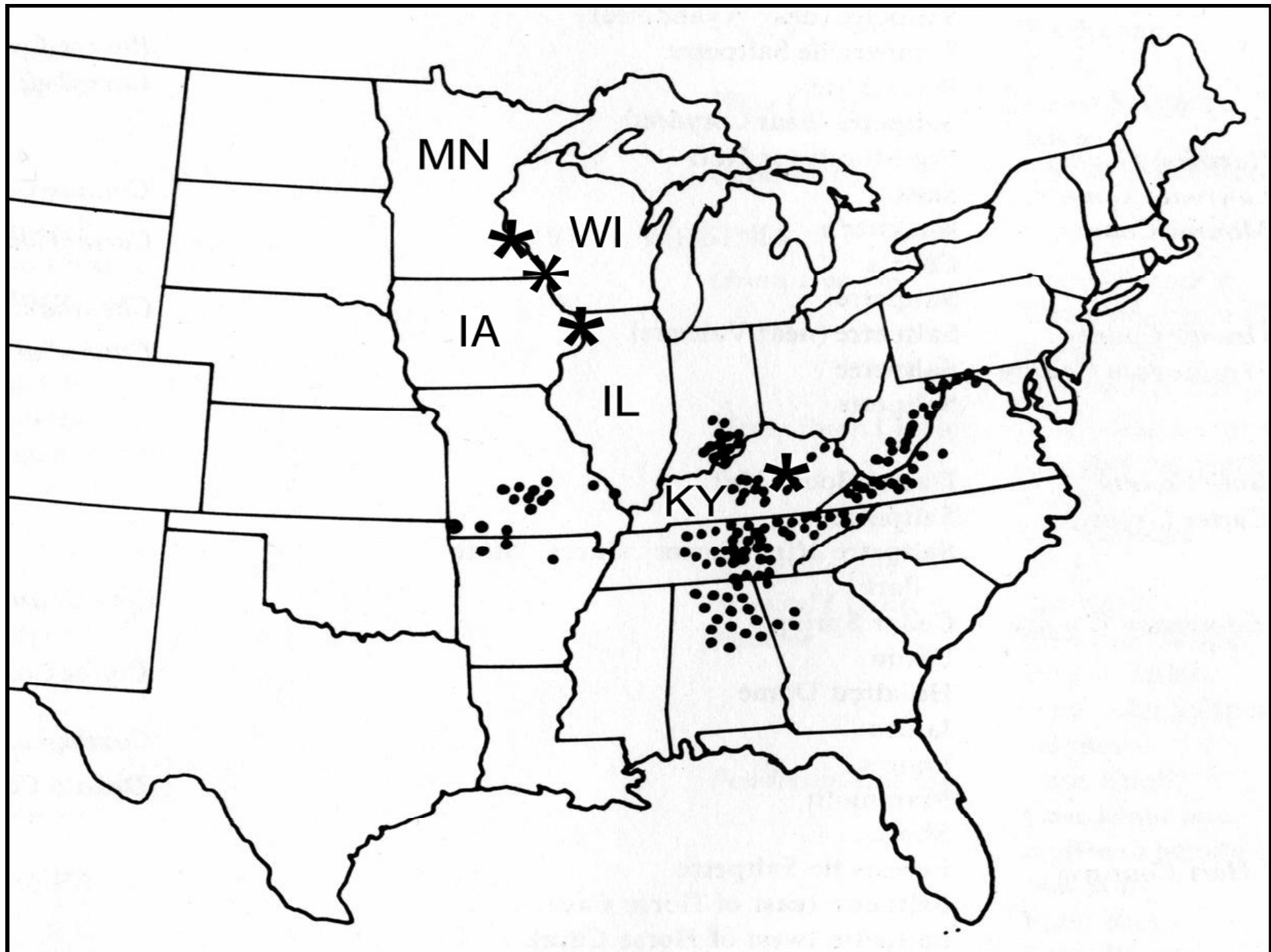








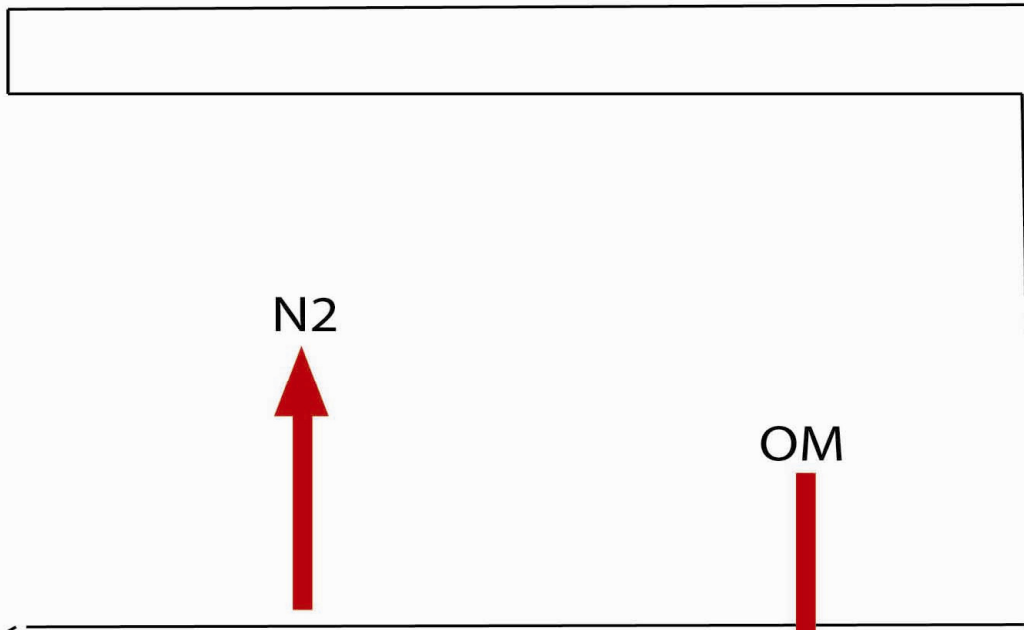
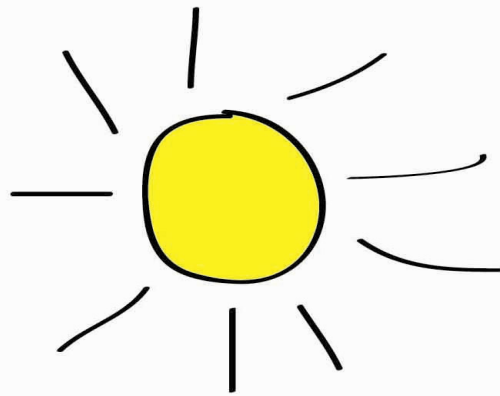




Results:

2/3 of UMV caves/crevices
had elevated nitrate (N=100).





N₂



OM



NO₃

leaching



QUESTIONS?

Acknowledgements

National Speleological Foundation

Cave Research Foundation

Rockcastle Cave Conservancy

Minnesota DNR

U of M Dept of Earth Sciences