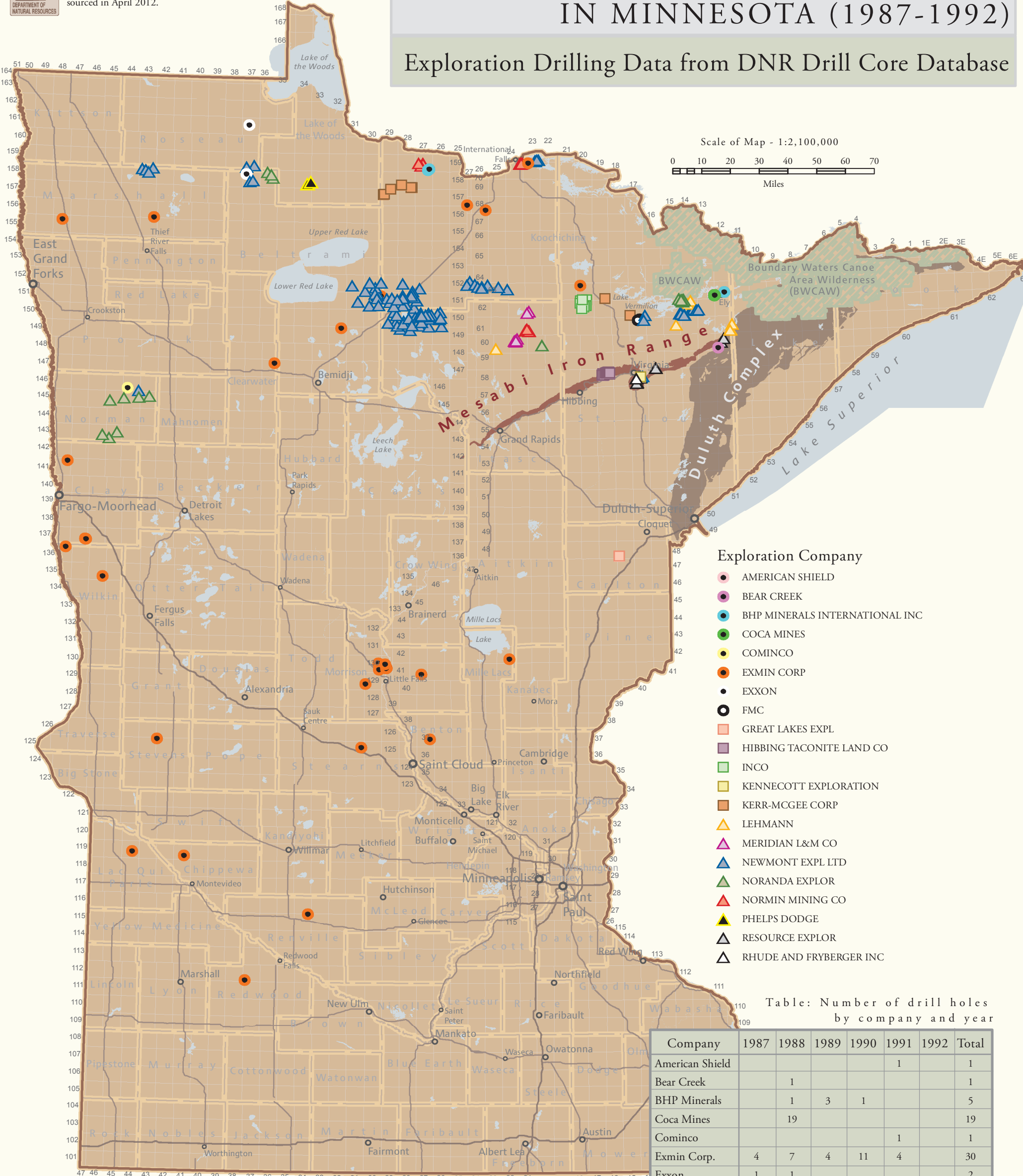




Map created by MN DNR's Division of Lands and Minerals in May of 2012. Director, Larry Kramka. Exploration drilling data from drill core database sourced in April 2012.

MAP OF EXPLORATION DRILLING IN MINNESOTA (1987-1992)

Exploration Drilling Data from DNR Drill Core Database



Exploration Company

- AMERICAN SHIELD
- BEAR CREEK
- BHP MINERALS INTERNATIONAL INC
- COCA MINES
- COMINCO
- EXMIN CORP
- EXXON
- FMC
- GREAT LAKES EXPL
- HIBBING TACONITE LAND CO
- INCO
- KENNECOTT EXPLORATION
- KERR-MCGEE CORP
- ▲ LEHMANN
- ▲ MERIDIAN L&M CO
- ▲ NEWMONT EXPL LTD
- ▲ NORANDA EXPLOR
- ▲ NORMIN MINING CO
- ▲ PHELPS DODGE
- ▲ RESOURCE EXPLOR
- ▲ RHUDE AND FRYBERGER INC

Table: Number of drill holes by company and year

Company	1987	1988	1989	1990	1991	1992	Total
American Shield					1		1
Bear Creek		1					1
BHP Minerals		1	3	1			5
Coca Mines		19					19
Cominco					1		1
Exmin Corp.	4	7	4	11	4		30
Exxon	1	1					2
FMC			2				2
Great Lakes Exp.		5					5
Hibbing Taconite					31		31
INCO			12				12
Kennecott Exp.				1			1
Kerr-McGee		6	2				8
Lehmann	5	2	3	4			14
Meridian L&M	12	6					18
Newmont Exp.	9	19	20	9	72	5	134
Noranda Exp.	3	5	1	10	8		27
Normin Mining	4	6	16	1			27
Phelps Dodge						2	2
Resource Exp.		6		4			10
Rhude & Fryberger	7		4				11
Total	45	84	67	41	117	7	361

Basemap Symbols

- Interstate Highways
- US Trunk Highways
- Major Lakes (1000+ Ac.)
- Public Land Survey Townships
- County Boundary

- St. Cloud Cities
- Brainerd Label Font Size
- Ely Proportionate to Population

Basemap information consists of the following: Trunk Highways from Mn/DOT as of 2007; County Boundary Lines from MN DNR; Selected Cities from Mn/DOT Regional Trade Centers; and Lakes, greater than 1000 acres, from 100K USGS topographic Maps.

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