

METALLIC MINERAL EXPLORATION IN WISCONSIN

Summary of 1982 Activity

This is the third in a series of annual summaries of metallic mineral exploration activity in Wisconsin. Please send comments to the author, William P. Scott, in care of the publisher, the Geological and Natural History Survey, 1815 University Avenue, Madison, Wisconsin 53705-4096 (608-263-7386).

HIGHLIGHTS OF 1982 ACTIVITY

The number of metallic mineral exploration holes drilled in 1982 decreased almost 31% from 1981 levels, probably a reflection of the national and world economies. If drilling on Exxon's Crandon Project is excluded, the decrease from 1981 levels is even greater, standing at 41.2%. The total number of licensed companies remained at the 1981 level of 14, but the number of companies performing drilling dropped to 8 from 10 in 1981.¹ The number of counties in which drilling activity occurred remained constant at 10, although two of the counties were different from those explored last year. Most of the drilling took place in the north-central counties.

1982 METALLIC MINERAL EXPLORATION LICENSEES²

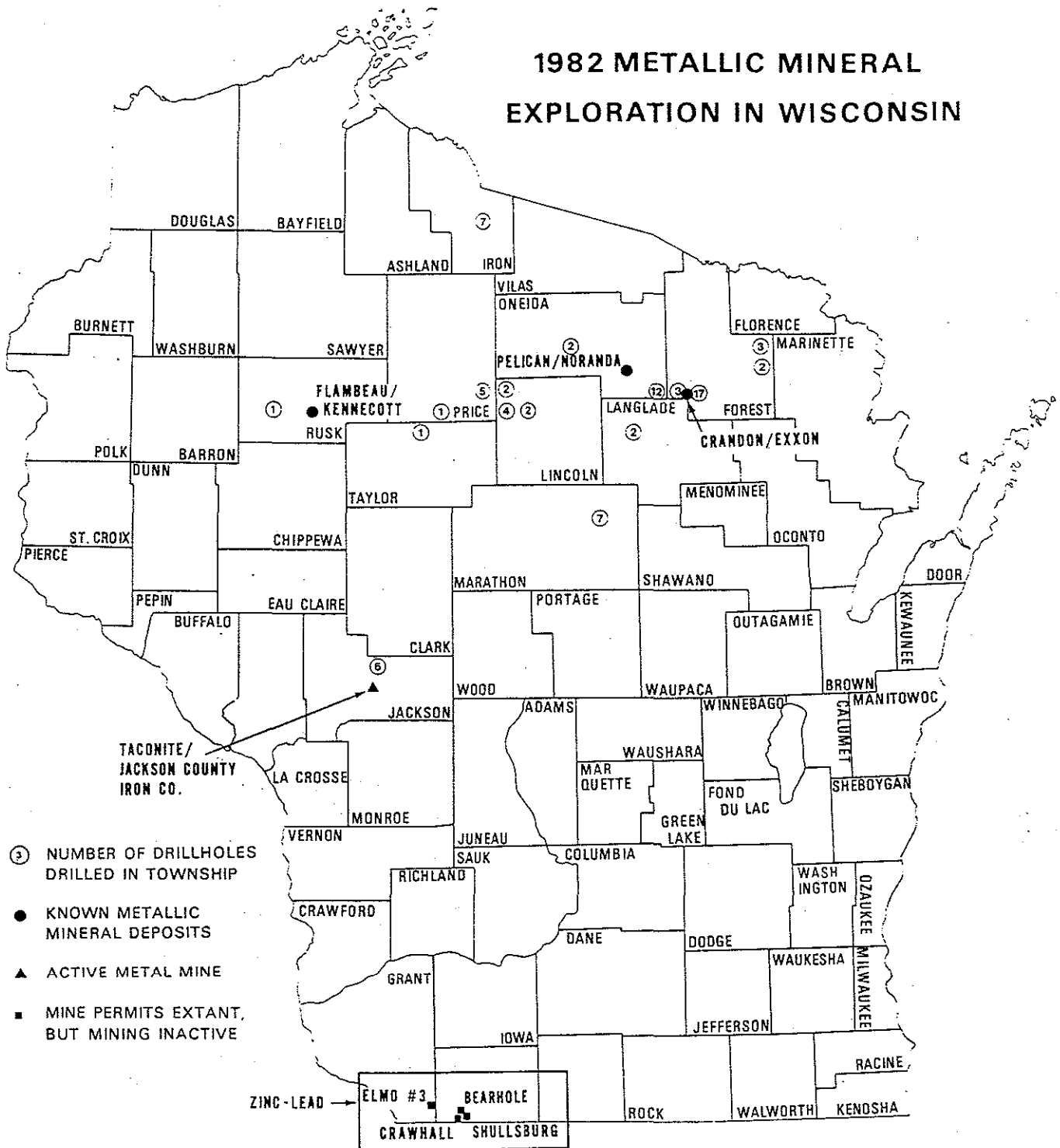
License		License	
No.	Company	No.	Company
1	Exxon Minerals Co.	9	American Copper & Nickel Co., Inc.
3	Noranda Exploration, Inc.	10	AMAX Exploration, Inc.
5	Ernest K. Lehmann & Associates of Wisconsin, Inc.	11	UOP Inc.
6	Central Wisconsin Joint Venture (Getty Oil Co., Denison Mines U.S. Inc., E.K. Lehmann & Associates of Wisconsin)	12	Inspiration Development Co.
7	St. Joe American Corp.	15	Minatome Corp.
		17	Kerr McGee Corp.
		18	Amoco Minerals Co.
		19	Amselco Exploration, Inc. ³
		20	Texasgulf Western Inc. ³

¹ The total of eight does not include one company that began their first hole of the year during the last days of December and continued drilling into 1983.

² The license numbers missing from this list were issued to companies that did not renew their licenses.

³ This company has not previously held a license to explore in Wisconsin.

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(All Data from Public Records: Drillhole Abandonment Reports Submitted to Wisconsin Department of Natural Resources)

1982 METALLIC MINERAL EXPLORATION BY COMPANY AND COUNTY

<u>Company</u>	<u>Drillholes</u>	<u>Bedrock Footage</u>	<u>Total Footage</u>
Amax Exploration, Inc.	4	788	1,349
American Copper and Nickel Co., Inc.	7	1,391	1,639
Amoco Mineral Co.	2	2,491	2,606
E.K. Lehmann and Assoc. of Wisconsin, Inc.	13	6,586	8,113
Exxon Minerals Co. excluding Crandon Project	20 0	24,853 0	28,994 0
Kerr-McGee Corp.	12	4,785	7,088
Noranda Exploration, Inc.	18	14,812	15,937
St. Joe American Corp.	1	628	854
<u>TOTAL</u>	<u>77</u>	<u>56,334</u>	<u>66,580</u>
excluding Crandon Project	57	31,481	37,586

<u>County</u>	<u>Drillholes</u>	<u>Bedrock Footage</u>	<u>Total Footage</u>
Forest	25	28,707	33,254
excluding Crandon Project	5	3,854	4,260
Iron	7	2,697	4,289
Jackson	6	2,568	2,986
Langlade	2	912	1,478
Lincoln	10	4,517	5,558
Marathon	7	1,391	1,639
Oneida	12	12,244	12,951
Price	6	2,702	3,539
Rusk	1	441	521
Taylor	1	155	365
<u>TOTAL</u>	<u>77</u>	<u>56,334</u>	<u>66,580</u>
excluding Crandon Project	57	31,481	37,586

FIVE-YEAR METALLIC MINERAL EXPLORATION SUMMARY

	1978	1979	1980	1981	1982
Companies Licensed To Drill**	13	16	15	14	14
Newly Licensed Companies	13	3	1	1	2
Companies Conducting Drilling	10	9	9	10	8
Total Counties Drilled	9	10	12	10	10
Total Holes Drilled +	230 (49)	89	98 (96)	111 (97)	77 (57)
Total Footage Drilled +	339,928' (29,711')	34,660'	49,562' (40,303')	77,999' (69,618')	66,580' (37,586')
Total Bedrock Footage +	300,452' (23,871')	27,040'	39,203' (31,520')	66,037' (60,096')	56,334' (31,481')

Source: DNR Drillhole Abandonment Reports and Metallic Mineral Exploration Licenses

** An exploration license may be obtained during any month of the year, but must be renewed each July 1. This total includes companies licensed to drill for all or part of the indicated year.

+ The footages without parentheses include all exploration drilling documented to have taken place during the given year. The footages in parentheses do not include Exxon's Crandon Project drilling, because it occurred after the deposit was publicly announced.