

UNITED STATES DEPARTMENT OF THE INTERIOR
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Gold contents of 469 outcrop and 1466 B-horizon
soil samples from the northwestern part of the
Duluth complex, northeastern Minnesota

By

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This report is preliminary and has not been reviewed for conformity with U.S. Geological Survey editorial standards and stratigraphic nomenclature. Any use of trade names is for descriptive purposes only and does not imply endorsement by the U.S. Government.

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CONTENTS

	Page
Introduction	1
Sample Collection	1
Sample Preparation	1
Analytical Methods	3
References Cited	3

ILLUSTRATIONS

Figure 1. Index map of the study area in the northwestern part of the Duluth Complex, northeastern Minnesota	2
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TABLES

Table 1. Gold contents of 469 outcrop samples from the northwestern part of the Duluth Complex, northeastern Minnesota	4
Table 2. Gold contents of 1466 B-horizon soil samples from the northwestern part of the Duluth Complex, northeastern Minnesota	10

INTRODUCTION

The Duluth complex encompasses approximately 6475 km² of Upper Precambrian anorthositic, troctolitic, gabbroic granodioritic and granitic intrusive rocks (Phinney, 1972). The complex is exposed sporadically along an arcuate belt extending from Duluth northward toward Ely and north-northeast toward Hovland, Minnesota (Sims, 1972; Weiblen and Morey, 1975).

The area sampled encompasses approximately 2500 km² in the northwestern part of the Duluth complex (Fig 1.) within St. Louis and Lake counties, Minnesota. Pleistocene glacial materials consisting of till, outwash and lacustrine deposits cover this area to a variable depth. These glacial materials are the parent material of the B-horizon soils sampled for this study.

The outcrop and soil samples were collected by the U.S. Geological Survey intermittently between 1970 and 1976. A partial table format listing of the data resulting from the emission spectrographic analysis of all the outcrop and soil samples was published as U.S. Geological Survey Open-File Report 75-158 (Alminas, H.V. 1975) and a complete listing was released in 1986 as NTIS tape USGS-GD-86-006 (Alminas H.V. and others, 1986).

SAMPLE COLLECTION

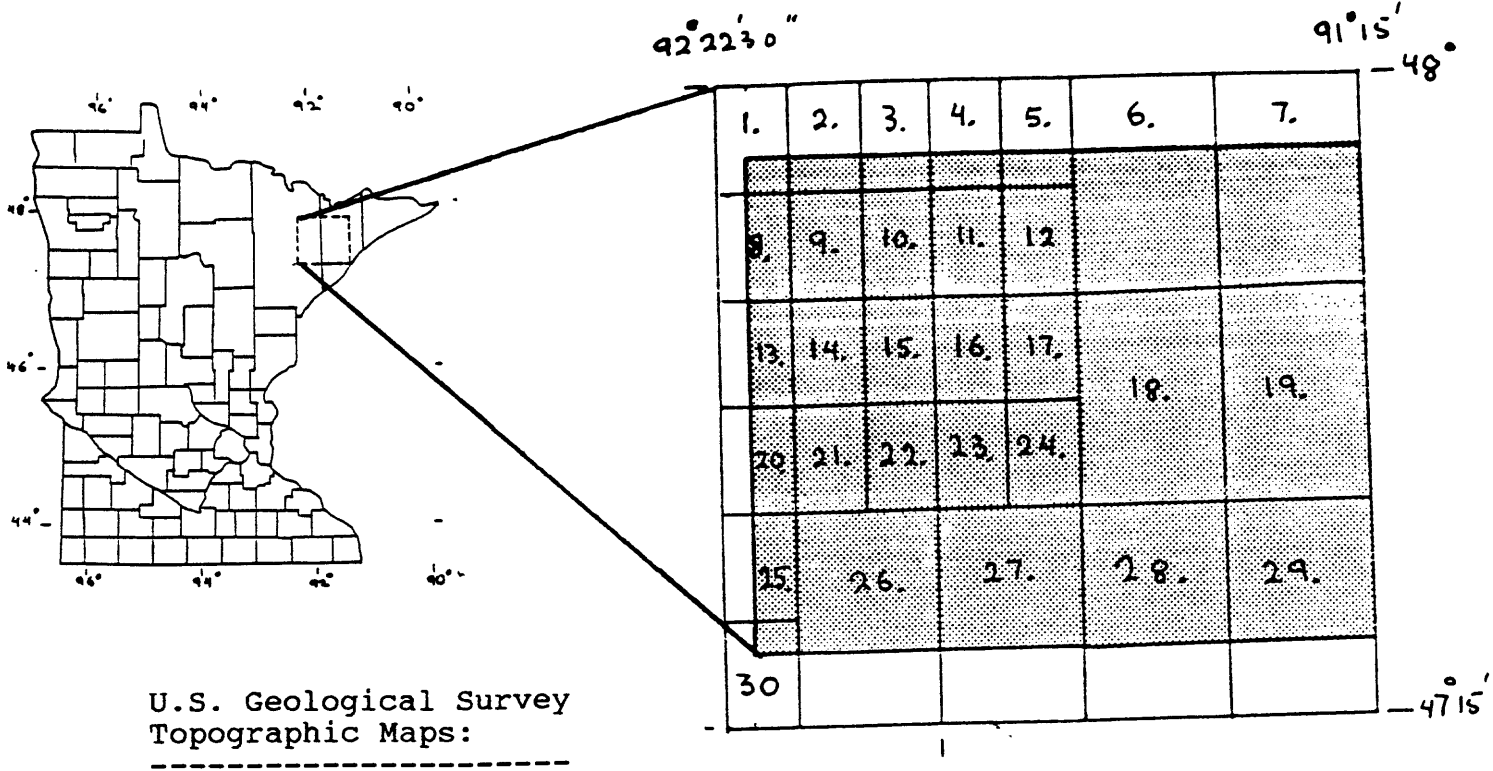
B-horizon soil samples were collected at 1466 localities along roads, rivers and lakeshores. Approximately 0.45 kg of soil was collected at each locality generally at a 30-45 cm depth. Although variable from sample site to sample site, the sampled material was usually fine- to medium-grained, with a low to moderate organic content and of a yellow through red to light brown color. In comparison to the A-horizon soils, the sampled material generally had a higher Fe and Mn content and substantially lower organic content. In addition, this material was coarser in texture than the overlying A-horizon and consisted of more angular fragments.

Outcrop samples were collected at 479 sites, wherever available along the soil sample traverse lines, generally within 6 m of the soil sample sites. They were collected as composited grab samples and generally incorporated some weathered surfaces.

SAMPLE PREPARATION

The soil samples were oven-dried overnight at 100°C in the original Kraft paper containers. Extremely clay-rich samples were disaggregated in a jaw crusher, using a wide jaw setting. All of the soils were then sieved through an 80-mesh (177-micrometer opening) sieve, and a 84-g (3-oz) container of the fine fraction was saved for analysis.

Outcrop samples were crushed in a jaw crusher and ground in a vertical grinder to approximately 105 micrometers.



1. Sioux Pine Island 7.5'
2. Chad Lake 7.5'
3. Crab Lake 7.5'
4. Shagawa Lake 7.5'
5. Ely 7.5'
6. Gabbro Lake 15'
7. Forest Center 15'
8. Tower 7.5'
9. Soudan 7.5'
10. Eagles Nest 7.5'
11. Bear Island 7.5'
12. Kangas Bay 7.5'
13. Biwabik NE 7.5'
14. Embarrass 7.5'
15. Isaak Lake 7.5'
16. Babbitt 7.5'
17. Babbitt NE 7.5'
18. Greenwood Lake 15'
19. Isabella 15'
20. Biwabik 7.5'
21. Aurora 7.5'
22. Allen 7.5'
23. Babbitt SW 7.5'
24. Babbitt SE 7.5'
25. Palo 7.5'
26. Markham 15'
27. Brimson 15'
28. Whyte 15'
29. Silver Bay 15'
30. Makinen 7.5'

Fig. 1 Index map of the study area in the northwestern part of the Duluth Complex, northeastern Minnesota.

ANALYTICAL METHODS

The gold content of outcrop and soil samples was determined using an atomic-absorption spectroscopic method described below:

A 5-gram sample is roasted for 1 hour at 680° C, gold is then digested with a concentrated hydrobromic acid-0.5 percent bromine solution and then extracted using MIBK (methyl isobutyl ketone). Electrothermal atomic-absorption spectroscopy is used to determine gold to 0.001 ppm (1 ppb) (O'Leary and Meier, 1986).

REFERENCES CITED

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TABLE 1. GOLD CONTENTS OF 469 OUTCROP SAMPLES FROM THE NORTHWESTERN PART OF THE DULUTH COMPLEX, NORTHEASTERN MINNESOTA

Sample	LATITUDE	LONGITUD	AU PPM	Sample	LATITUDE	LONGITUD	AU PPM
70SK025R	47 50 24	91 38 46	.002	77GR37R	47 37 50	91 36 31	.001
70SK027R	47 50 2	91 38 10	.002	77HA67R	47 31 45	92 4 20	.001
70SK028R	47 49 44	91 38 10	<.001	77HA72R	47 31 20	92 3 14	<.001
70SK030R	47 49 12	91 38 6	.003	77GR67R	47 33 28	91 38 39	.001
70SK031R	47 49 48	91 40 41	.036	77AL5R	47 33 21	92 4 40	.022
70SK033R	47 49 41	91 40 41	.001	77AL7R	47 33 51	92 3 40	.002
70SK035R	47 49 30	91 40 34	.001	77BB14R	47 32 50	91 59 55	<.001
70SK036R	47 49 19	91 40 23	.001	77BB18R	47 33 50	92 1 10	<.001
70SK037R	47 49 8	91 40 16	.001	75SK217R	47 45 29	91 49 37	.001
70SK038R	47 48 50	91 42 54	<.001	75SK229R	47 42 36	91 42 50	<.001
70SK039R	47 48 43	91 42 50	.002	75SK230R	47 42 14	91 43 23	.001
70SK040R	47 48 47	91 42 43	.002	75SK236R	47 46 44	91 47 10	.001
70SK041R	47 48 50	91 42 32	.001	75SK237R	47 46 55	91 46 52	<.001
70SK043R	47 48 43	91 42 18	.001	75SK238R	47 46 59	91 46 37	.001
70SK047R	47 48 22	91 42 7	.001	75SK239R	47 46 23	91 47 17	.001
70SK048R	47 48 18	91 42 11	.001	75SK241R	47 45 58	91 47 2	.001
70SK049R	47 48 11	91 42 0	.001	75SK243R	47 45 25	91 47 46	.001
70SK050R	47 48 11	91 41 53	.001	75SK244R	47 45 18	91 48 29	.005
70SK051R	47 48 0	91 41 42	.002	75SK248R	47 47 24	91 42 43	.001
70SK052R	47 50 13	91 40 19	.007	75SK249R	47 47 13	91 43 1	.001
70SK055R	47 49 5	91 40 34	.001	75SK250R	47 47 2	91 43 26	.001
70SK057R	47 49 5	91 40 52	.001	75SK251R	47 47 28	91 43 19	.001
70SK058R	47 49 5	91 41 6	<.001	75SK253R	47 47 35	91 44 17	<.001
70SK059R	47 49 12	91 41 17	<.001	75SK258R	47 46 5	91 44 49	.001
70SK062R	47 49 30	91 41 53	<.001	75SK259R	47 46 26	91 44 28	.001
70SK067R	47 49 52	91 39 32	.001	75SK260R	47 46 34	91 44 2	.001
70SK069R	47 48 32	91 43 48	.001	75SK265R	47 46 34	91 41 56	<.001
77AL4R	47 33 6	92 5 9	.001	75SK266R	47 46 41	91 42 14	<.001
77AL6R	47 33 40	92 4 10	.050	75SK267R	47 46 41	91 43 8	.001
77AL10R	47 32 48	92 4 38	.001	75SK268R	47 46 41	91 43 8	.001
77AL11R	47 32 32	92 4 42	.001	75SK271R	47 49 34	91 43 37	.001
77AL12R	47 32 17	92 4 50	.006	75SK273R	47 49 44	91 42 40	<.001
77AL13R	47 32 5	92 4 48	.001	75SK279R	47 48 40	91 45 0	.007
77AL15R	47 32 0	92 5 11	.030	75SK281R	47 48 11	91 46 5	<.001
77AL16R	47 32 4	92 5 28	.001	75SK283R	47 47 42	91 46 19	<.001
77AL17R	47 32 26	92 5 9	.001	75SK284R	47 47 28	91 46 12	.001
77AL19R	47 32 46	92 5 18	.002	75SK286R	47 47 24	91 45 43	.002
77AL20R	47 32 15	92 4 32	<.001	75SK288R	47 47 17	91 45 32	.001
77AL28R	47 30 37	92 5 7	.002	75SK289R	47 47 2	91 45 43	.001
77AL29R	47 30 16	92 3 58	.001	75SK290R	47 46 55	91 45 25	.002
77GR6R	47 32 50	91 37 24	.002	75SK291R	47 46 44	91 45 36	.001
77GR9R	47 31 40	91 37 0	<.001	75SK292R	47 46 34	91 45 32	<.001
77GR25R	47 37 48	91 33 37	.001	75SK293R	47 46 12	91 45 4	.001
77GR31R	47 36 51	91 33 2	.001	75SK295R	47 47 24	91 42 7	<.001
77GR36R	47 37 38	91 37 9	.001	75SK296R	47 46 59	91 42 7	<.001

TABLE 1. GOLD CONTENTS OF 469 OUTCROP SAMPLES FROM THE NORTHWESTERN PART OF THE DULUTH COMPLEX, NORTHEASTERN MINNESOTA--Continued

Sample	LATITUDE	LONGITUD	AU PPM	Sample	LATITUDE	LONGITUD	AU PPM
75SK297R	47 46 34	91 39 32	<.001	75SK501R	47 43 12	91 43 16	<.001
75SK400R	47 47 6	91 39 40	<.001	75SK503R	47 43 52	91 43 52	<.001
75SK401R	47 47 20	91 40 5	<.001	75SK504R	47 44 17	91 43 44	<.001
75SK402R	47 47 24	91 39 0	<.001	75SK506R	47 45 7	91 43 30	<.001
75SK405R	47 48 11	91 38 20	.001	75SK508R	47 45 40	91 42 47	<.001
75SK406R	47 47 38	91 39 47	<.001	75SK509R	47 46 5	91 42 47	<.001
75SK408R	47 48 7	91 39 29	<.001	75SK510R	47 44 49	91 44 13	<.001
75SK409R	47 46 12	91 39 54	.001	75SK511R	47 45 11	91 44 28	.003
75SK410R	47 45 50	91 40 8	<.001	75SK512R	47 44 53	91 44 49	<.001
75SK411R	47 47 35	91 41 31	<.001	75SK513R	47 44 49	91 45 7	<.001
75SK412R	47 47 53	91 41 28	.001	75SK514R	47 45 7	91 45 40	.002
75SK414R	47 48 25	91 41 24	<.001	75SK517R	47 42 40	91 44 56	<.001
75SK415R	47 48 36	91 41 6	.011	75SK518R	47 43 5	91 44 53	<.001
75SK418R	47 50 31	91 37 52	.001	75SK519R	47 43 30	91 45 22	.003
75SK419R	47 49 44	91 38 38	.001	75SK520R	47 43 16	91 45 50	<.001
75SK421R	47 49 19	91 39 0	.001	75SK521R	47 42 36	91 46 16	.001
75SK422R	47 49 26	91 39 29	.001	75SK522R	47 42 58	91 46 23	.002
75SK426R	47 48 36	91 38 6	.001	75SK523R	47 43 26	91 46 44	<.001
75SK427R	47 48 22	91 38 10	.001	75SK525R	47 42 58	91 48 4	<.001
75SK428R	47 49 55	91 37 52	<.001	75SK527R	47 44 6	91 48 43	.001
75SK429R	47 49 48	91 37 5	.004	75SK528R	47 43 48	91 48 29	.002
75SK430R	47 49 59	91 36 47	<.001	75SK529R	47 43 34	91 48 22	.001
75SK434R	47 45 25	91 39 0	.001	75SK539R	47 40 44	91 46 37	<.001
75SK446R	47 46 8	91 35 35	<.001	75SK542R	47 44 35	91 35 28	<.001
75SK447R	47 46 8	91 36 7	.001	75SK543R	47 44 49	91 35 28	<.001
75SK449R	47 46 26	91 36 43	.002	75SK549R	47 46 5	91 34 59	.001
75SK451R	47 46 48	91 37 12	<.001	75SK551R	47 46 5	91 34 34	<.001
75SK453R	47 47 10	91 38 10	<.001	75SK552R	47 45 18	91 38 17	.001
75SK459R	47 47 38	91 35 24	.002	75SK553R	47 45 22	91 37 55	.001
75SK464R	47 44 31	91 33 58	<.001	75SK560R	47 46 1	91 37 5	<.001
75SK465R	47 44 56	91 34 8	.011	75SK562R	47 44 35	91 37 41	.001
75SK477R	47 45 47	91 30 14	.001	75SK569R	47 44 56	91 37 12	.001
75SK479R	47 46 8	91 31 8	.002	75SK570R	47 42 4	91 49 41	.001
75SK482R	47 43 16	91 42 32	.001	75SK579R	47 42 29	91 48 58	.001
75SK485R	47 44 10	91 41 10	<.001	75SK585R	47 39 7	91 49 37	<.001
75SK486R	47 44 35	91 40 37	<.001	75SK586R	47 39 4	91 50 2	<.001
75SK487R	47 44 49	91 40 59	<.001	75SK300R	47 48 18	91 47 6	.001
75SK488R	47 44 53	91 41 38	<.001	75SK301R	47 48 18	91 46 44	.001
75SK489R	47 44 53	91 40 16	<.001	75SK302R	47 48 0	91 47 2	.001
75SK491R	47 42 4	91 45 40	<.001	75SK303R	47 47 42	91 46 48	.002
75SK494R	47 42 14	91 47 20	<.001	75SK304R	47 47 31	91 46 59	.001
75SK495R	47 42 36	91 47 2	<.001	75SK304A	47 47 31	91 46 59	.001
75SK496R	47 43 5	91 47 10	<.001	75SK305R	47 47 24	91 46 41	.001
75SK498R	47 43 48	91 46 59	<.001	75SK306R	47 47 10	91 46 30	.001
75SK500R	47 42 43	91 43 30	<.001	75SK307R	47 46 52	91 46 16	.001

TABLE 1. GOLD CONTENTS OF 469 OUTCROP SAMPLES FROM THE NORTHWESTERN PART OF THE DULUTH COMPLEX, NORTHEASTERN MINNESOTA--Continued

Sample	LATITUDE	LONGITUD	AU PPM	Sample	LATITUDE	LONGITUD	AU PPM
75SK308R	47 46 41	91 46 12	.001	75SK364R	47 44 38	91 50 38	<.001
75SK309R	47 46 23	91 46 12	.001	75SK365R	47 44 31	91 50 53	<.001
75SK310R	47 46 8	91 46 19	.001	75SK366R	47 44 49	91 51 4	.001
75SK311R	47 45 54	91 46 23	<.001	75SK370R	47 43 16	91 38 35	.001
75SK312R	47 45 43	91 46 41	.001	75SK371R	47 42 54	91 38 49	.002
75SK314R	47 45 0	91 47 24	<.001	75SK373R	47 42 7	91 38 24	.001
75SK315R	47 45 7	91 47 53	.001	75SK374R	47 41 46	91 38 28	<.001
75SK316R	47 44 46	91 47 46	.002	75SK376R	47 40 59	91 37 48	.002
75SK317R	47 44 2	91 50 49	<.001	75SK377R	47 40 59	91 37 19	.001
75SK318R	47 44 13	91 50 31	.001	75SK379R	47 40 12	91 36 54	<.001
75SK319R	47 44 24	91 50 17	<.001	75SK380R	47 39 54	91 36 29	<.001
75SK320R	47 44 35	91 50 6	<.001	75SK381R	47 39 29	91 36 7	.001
75SK321R	47 44 35	91 49 48	<.001	75SK388R	47 38 46	91 31 59	.002
75SK323R	47 44 28	91 49 16	<.001	75SK389R	47 38 35	91 31 30	<.001
75SK324R	47 44 20	91 49 5	.001	75SK390R	47 38 28	91 30 50	.001
75SK325R	47 44 17	91 48 47	.001	75SK392R	47 50 10	91 42 22	.001
75SK326R	47 44 2	91 48 50	.001	75SK393R	47 50 17	91 41 49	<.001
75SK327R	47 43 44	91 48 50	.004	75SK394R	47 50 35	91 41 17	.002
75SK328R	47 43 34	91 48 47	.001	75SK395R	47 50 38	91 40 41	.001
75SK329R	47 44 10	91 48 32	.001	75SK396R	47 50 49	91 39 58	<.001
75SK330R	47 44 2	91 48 29	.001	75SK397R	47 51 7	91 39 32	<.001
75SK331R	47 44 2	91 48 4	<.001	75SK398R	47 51 25	91 39 4	.001
75SK332R	47 44 6	91 47 42	.001	75SK700R	47 41 28	91 45 40	<.001
75SK333R	47 43 52	91 48 0	.001	75SK701R	47 41 13	91 46 19	<.001
75SK334R	47 43 52	91 47 42	.001	75SK709R	47 38 24	91 48 18	.001
75SK335R	47 44 17	91 47 31	.001	75SK710R	47 38 17	91 47 46	.001
75SK336R	47 44 10	91 47 13	<.001	75SK711R	47 38 17	91 47 10	<.001
75SK337R	47 44 17	91 46 41	.001	75SK713R	47 38 17	91 45 54	.002
75SK338R	47 44 28	91 46 16	<.001	75SK714R	47 37 59	91 45 32	.002
75SK339R	47 44 38	91 46 34	.001	75SK716R	47 39 7	91 48 14	.001
75SK340R	47 44 31	91 46 55	<.001	75SK718R	47 39 43	91 47 20	<.001
75SK341R	47 44 24	91 47 10	.001	75SK719R	47 39 54	91 46 48	.001
75SK342R	47 44 17	91 47 31	.001	75SK721R	47 40 26	91 46 8	<.001
75SK343R	47 44 28	91 47 28	.001	75SK722R	47 40 59	91 46 8	.001
75SK344R	47 44 38	91 47 10	.002	75SK723R	47 41 13	91 46 5	<.001
75SK345R	47 44 49	91 46 59	<.001	75SK726R	47 41 6	91 48 0	<.001
75SK355R	47 44 38	91 48 7	<.001	75SK736R	47 40 16	91 42 58	<.001
75SK356R	47 44 46	91 48 29	.001	75SK737R	47 40 37	91 43 12	<.001
75SK357R	47 44 56	91 48 36	.001	75SK738R	47 40 48	91 43 41	<.001
75SK358R	47 44 53	91 48 50	.018	75SK740R	47 40 52	91 44 56	<.001
75SK359R	47 44 49	91 49 12	<.001	75SK743R	47 38 28	91 38 31	.001
75SK360R	47 44 53	91 49 30	<.001	75SK745R	47 37 41	91 39 11	<.001
75SK361R	47 44 56	91 49 44	<.001	75SK746R	47 37 34	91 39 29	.001
75SK362R	47 44 56	91 50 2	<.001	75SK754R	47 38 2	91 44 2	.001
75SK363R	47 44 53	91 50 24	<.001	75SK760R	47 46 16	91 35 20	.002

TABLE 1. GOLD CONTENTS OF 469 OUTCROP SAMPLES FROM THE NORTHWESTERN PART OF THE DULUTH COMPLEX, NORTHEASTERN MINNESOTA--Continued

Sample	LATITUDE	LONGITUD	AU PPM	Sample	LATITUDE	LONGITUD	AU PPM
75SK761R	47 46 8	91 35 49	.001	76SK1010	47 51 11	91 34 41	.001
76SK901R	47 40 3	91 47 50	<.001	76SK1011	47 51 18	91 34 16	<.001
76SK907R	47 38 56	91 47 53	<.001	76SK1012	47 51 29	91 34 19	.001
76SK907R	47 38 57	91 47 56	1.100	76SK1013	47 51 36	91 34 41	<.001
76SK910R	47 38 2	91 48 11	.001	76SK1015	47 51 40	91 34 59	<.001
76SK913R	47 37 20	91 47 27	<.001	76SK1015	47 51 39	91 34 57	<.001
76SK916R	47 37 30	91 48 25	<.001	76SK1016	47 51 54	91 34 52	<.001
76SK919R	47 37 3	91 48 56	.001	76SK1017	47 52 12	91 34 44	<.001
76SK920R	47 36 49	91 49 3	<.001	76SK1018	47 51 43	91 35 13	.001
76SK926R	47 36 14	91 50 34	<.001	76SK1019	47 51 29	91 35 28	<.001
76SK927R	47 36 26	91 50 43	<.001	76SK1020	47 51 40	91 35 46	.001
76SK929R	47 36 54	91 50 54	<.001	76SK1021	47 51 50	91 35 31	<.001
76SK930R	47 37 8	91 50 45	.002	76SK1022	47 52 5	91 35 17	<.001
76SK932R	47 36 0	91 51 14	<.001	76SK1023	47 51 40	91 36 7	<.001
76SK935R	47 35 58	91 52 21	<.001	76SK1024	47 51 32	91 36 29	<.001
76SK939R	47 38 6	91 49 23	<.001	76SK1025	47 51 36	91 36 47	<.001
76SK940R	47 38 10	91 49 34	.001	76SK1026	47 51 14	91 36 40	<.001
76SK942R	47 37 30	91 49 34	<.001	76SK1027	47 51 7	91 36 29	<.001
76SK949R	47 38 28	91 47 2	<.001	76SK1027	47 51 7	91 36 26	<.001
76SK963R	47 35 57	91 53 33	.002	76SK1028	47 51 7	91 36 7	.001
76SK964R	47 35 46	91 53 50	.011	76SK1029	47 50 53	91 35 56	.002
76SK967R	47 35 16	91 54 39	.002	76SK1030	47 50 35	91 35 56	.003
76SK969R	47 35 3	91 55 21	.003	76SK1031	47 51 0	91 35 46	<.001
76SK970R	47 34 54	91 55 46	<.001	76SK1032	47 51 0	91 35 17	.005
76SK973R	47 34 16	91 56 30	<.001	76SK1033	47 50 49	91 35 2	.004
76SK976R	47 49 12	91 33 50	<.001	76SK1034	47 50 35	91 35 6	.001
76SK978R	47 49 19	91 33 36	<.001	76SK1035	47 50 20	91 34 55	<.001
76SK984R	47 48 40	91 31 52	<.001	76SK1036	47 50 10	91 34 37	<.001
76SK985R	47 48 18	91 31 48	<.001	76SK1037	47 50 2	91 34 12	.001
76SK988R	47 47 42	91 31 41	<.001	76SK1040	47 46 41	91 32 42	<.001
76SK990R	47 47 28	91 31 59	<.001	76SK1041	47 46 37	91 33 11	<.001
76SK991R	47 49 21	91 34 25	.001	76SK1042	47 46 59	91 33 11	<.001
76SK993R	47 49 48	91 33 58	.001	76SK1043	47 47 17	91 33 4	<.001
76SK994R	47 50 6	91 33 47	.001	76SK1045	47 47 24	91 32 17	<.001
76SK995R	47 50 17	91 33 54	.001	76SK1045	47 47 25	91 32 18	<.001
76SK996R	47 50 20	91 33 29	.003	76SK1046	47 47 38	91 32 17	.001
76SK997R	47 50 13	91 33 7	<.001	76SK1046	47 47 41	91 32 20	<.001
76SK1002	47 49 23	91 32 15	<.001	76SK1047	47 47 53	91 32 31	<.001
76SK1003	47 49 16	91 32 6	<.001	76SK1051	47 48 43	91 33 36	.002
76SK1004	47 48 58	91 31 52	.002	76SK1052	47 48 43	91 34 8	<.001
76SK1005	47 50 10	91 34 16	.001	76SK1056	47 49 37	91 36 43	.001
76SK1006	47 50 28	91 34 30	.001	76SK1057	47 49 23	91 36 40	.001
76SK1007	47 50 42	91 34 37	.002	76SK1058	47 49 8	91 37 12	<.001
76SK1008	47 50 56	91 34 30	.001	76SK1059	47 48 54	91 37 34	.001
76SK1009	47 50 53	91 34 48	.003	76SK1060	47 48 43	91 37 34	<.001

TABLE 1. GOLD CONTENTS OF 469 OUTCROP SAMPLES FROM THE NORTHWESTERN PART OF THE DULUTH COMPLEX, NORTHEASTERN MINNESOTA--Continued

Sample	LATITUDE	LONGITUD	AU PPM	Sample	LATITUDE	LONGITUD	AU PPM
76SK1061	47 48 25	91 37 41	.001	76SK1173	47 37 23	91 54 5	.001
76SK1062	47 49 16	91 36 22	.001	76SK1174	47 37 20	91 54 27	.022
76SK1063	47 49 16	91 36 4	.001	76SK1175	47 37 15	91 55 11	.002
76SK1064	47 49 19	91 35 38	.002	76SK1176	47 37 6	91 55 33	.001
76SK1065	47 49 5	91 35 20	<.001	76SK1177	47 37 7	91 55 56	.002
76SK1066	47 48 58	91 35 6	.001	76SK1178	47 37 3	91 56 20	.002
76SK1069	47 50 17	91 36 22	.001	76SK1179	47 37 0	91 56 41	.002
76SK1071	47 50 6	91 36 11	.003	76SK1180	47 36 55	91 57 5	<.001
76SK1072	47 50 10	91 35 46	<.001	76SK1181	47 36 50	91 57 28	.015
76SK1073	47 49 59	91 35 28	.002	76SK1182	47 36 42	91 57 47	.003
76SK1078	47 40 41	91 51 58	.004	76SK1191	47 35 23	91 56 3	.001
76SK1078	47 40 42	91 52 0	.003	76SK1225	47 37 48	91 53 42	.003
76SK1095	47 39 12	91 52 50	.001	76SK1234	47 38 35	91 57 11	.002
76SK1096	47 39 14	91 52 28	.008	76SK1236	47 38 49	91 57 11	.003
76SK1104	47 38 8	91 53 31	.006	76SK1252	47 40 26	91 56 6	<.001
76SK1118	47 35 56	91 54 4	.001	76SK1253	47 40 37	91 55 34	.001
76SK1119	47 36 11	91 54 1	<.001	76SK1253	47 40 38	91 55 36	.001
76SK1120	47 36 29	91 54 29	.001	76SK1256	47 41 6	91 54 4	<.001
76SK1121	47 36 41	91 54 0	<.001	76SK1256	47 41 8	91 53 59	<.001
76SK1122	47 36 57	91 53 56	.001	76SK1262	47 44 20	91 51 58	.002
76SK1123	47 37 11	91 53 52	.001	76SK1263	47 44 10	91 51 47	<.001
76SK1124	47 37 24	91 53 40	.001	76SK1264	47 43 52	91 51 54	<.001
76SK1125	47 34 53	91 56 1	.001	76SK1271	47 45 39	91 52 26	.004
76SK1126	47 35 9	91 56 6	.004	76SK1272	47 45 50	91 52 38	.002
76SK1127	47 34 19	91 56 41	<.001	76SK1273	47 45 39	91 53 0	.001
76SK1128	47 34 30	91 57 11	<.001	76SK1277	47 44 38	91 52 48	.001
76SK1129	47 34 39	91 57 32	.001	76SK1278	47 44 28	91 53 6	<.001
76SK1130	47 34 42	91 58 3	.001	76SK1279	47 44 13	91 53 28	<.001
76SK1131	47 34 40	91 58 18	.001	76SK1281	47 44 6	91 52 48	<.001
76SK1132	47 34 53	91 58 35	.001	76SK1283	47 43 34	91 53 10	.002
76SK1133	47 34 47	91 59 1	<.001	76SK1284	47 43 41	91 53 31	<.001
76SK1134	47 34 38	91 59 20	<.001	76SK1285	47 43 59	91 53 46	<.001
76SK1135	47 34 33	91 59 41	<.001	76SK1286	47 44 13	91 54 0	<.001
76SK1136	47 34 29	91 59 59	<.001	76SK1302	47 32 24	91 58 17	.001
76SK1137	47 34 36	92 0 15	<.001	76SK1305	47 31 49	92 0 15	.014
76SK1138	47 34 18	91 59 30	<.001	76SK1307	47 32 19	92 0 15	.007
76SK1140	47 34 24	91 57 45	.002	76SK1309	47 31 57	92 0 37	<.001
76SK1141	47 34 11	91 57 48	<.001	76SK1312	47 31 16	92 0 40	.001
76SK1146	47 34 9	91 57 17	<.001	76SK1314	47 30 56	92 1 5	.001
76SK1147	47 34 20	91 57 9	.001	76SK1315	47 30 53	92 1 33	<.001
76SK1149	47 33 40	91 57 15	.001	76SK1316	47 30 38	92 1 41	.001
76SK1150	47 33 40	91 57 34	.001	76SK1318	47 31 55	92 1 20	.005
76SK1156	47 40 26	91 51 14	.001	76SK1320	47 31 44	92 2 2	.002
76SK1169	47 37 55	91 52 16	.006	76SK1322	47 42 32	91 51 22	<.001
76SK1170	47 37 48	91 52 44	.004	76SK1323	47 42 18	91 51 29	<.001

TABLE 1. GOLD CONTENTS OF 469 OUTCROP SAMPLES FROM THE NORTHWESTERN PART OF THE DULUTH COMPLEX, NORTHEASTERN MINNESOTA--Continued

Sample	LATITUDE	LONGITUD	AU PPM
76SK1326	47 41 38	91 51 47	<.001
76SK1330	47 43 41	91 50 6	.003
76SK1336	47 44 26	91 49 31	.003
76SK1337	47 43 55	91 49 23	.001
76SK1338	47 43 52	91 49 12	<.001
76SK1343	47 43 0	91 49 45	.001
76SK1344	47 43 5	91 49 23	.001
76SK1345	47 43 12	91 49 8	<.001
76SK1347	47 42 47	91 49 34	<.001
76SK1356	47 37 23	91 55 19	.001
76SK1357	47 37 37	91 55 20	.038
76SK1358	47 37 16	91 56 5	.002
76SK1359	47 37 30	91 56 20	.001
76SK1360	47 37 10	91 57 9	.002
76SK1362	47 37 40	91 57 12	.002
76SK1364	47 38 5	91 56 47	.002
76SK1365	47 38 9	91 56 35	.008
76SK1405	47 37 16	91 58 9	.001
76SK1406	47 37 24	91 57 50	.002

TABLE 2. GOLD CONTENTS OF 1466 B-HORIZON SOIL SAMPLES FROM THE NORTHWESTERN PART OF THE DULUTH COMPLEX,
NORTHEASTERN MINNESOTA

Sample	LATITUDE	LONGITUD	AU PPM	Sample	LATITUDE	LONGITUD	AU PPM
70SK001B	47 48 43	91 43 26	.003	70SK058B	47 49 5	91 41 6	.006
70SK002B	47 48 43	91 43 5	.002	70SK059B	47 49 12	91 41 17	.002
70SK003B	47 48 58	91 42 50	.002	70SK060B	47 49 16	91 41 24	.005
70SK004B	47 49 12	91 42 36	.004	70SK061B	47 49 23	91 41 38	.010
70SK005B	47 49 30	91 42 40	.002	70SK062B	47 49 30	91 41 53	<.001
70SK007B	47 49 19	91 42 18	.040	70SK063B	47 50 6	91 40 48	.005
70SK009B	47 49 41	91 41 35	.008	70SK053B	47 50 6	91 40 5	.004
70SK010B	47 49 52	91 41 42	.003	70SK054B	47 50 6	91 39 54	.003
70SK011B	47 50 6	91 41 42	.005	70SK055B	47 49 5	91 40 34	.020
70SK012B	47 49 48	91 41 6	.003	70SK064B	47 50 17	91 40 59	.003
70SK014B	47 49 55	91 40 52	.005	70SK065B	47 50 28	91 41 6	.006
70SK015B	47 49 55	91 40 37	.005	70SK067B	47 49 52	91 39 32	.002
70SK016B	47 49 59	91 40 34	.026	70SK068B	47 48 54	91 44 10	.003
70SK017B	47 50 6	91 40 30	.005	70SK069B	47 48 32	91 43 48	.002
70SK018B	47 50 10	91 40 23	.006	70SK070B	47 48 4	91 43 19	.003
70SK019B	47 50 13	91 40 19	.007	70SK071B	47 47 31	91 42 11	.016
70SK022B	47 50 28	91 39 50	.002	70SK072B	47 47 20	91 41 31	.001
70SK023B	47 50 28	91 39 22	.001	70SK073B	47 46 52	91 41 13	.003
70SK024B	47 50 31	91 39 7	.003	70SK074B	47 46 41	91 40 44	.001
70SK025B	47 50 24	91 38 46	.100	70SK075B	47 46 1	91 39 25	.001
70SK026B	47 50 17	91 38 24	.011	70SK076B	47 47 49	91 42 36	.003
70SK027B	47 50 2	91 38 10	.003	70SK077B	47 48 22	91 44 2	.003
70SK028B	47 49 44	91 38 10	.005	70SK078B	47 48 29	91 44 53	.016
70SK029B	47 49 26	91 38 10	.004	70SK079B	47 48 11	91 45 29	.002
70SK030B	47 49 12	91 38 6	.007	70SK080B	47 48 0	91 45 43	.003
70SK031B	47 49 48	91 40 41	.002	70SK081B	47 47 53	91 45 58	.001
70SK032B	47 49 48	91 40 41	.003	70SK082B	47 47 46	91 46 8	.004
70SK033B	47 49 41	91 40 41	.002	70SK083B	47 48 54	91 47 24	.003
70SK035B	47 49 30	91 40 34	.006	70SK084B	47 48 29	91 47 31	.002
70SK036B	47 49 19	91 40 23	.005	70SK085B	47 48 4	91 47 38	.001
70SK037B	47 49 8	91 40 16	.006	70SK086B	47 47 38	91 47 35	.001
70SK038B	47 48 50	91 42 54	.001	70SK087B	47 47 10	91 47 24	.005
70SK039B	47 48 43	91 42 50	.001	70SK088B	47 46 59	91 47 28	.004
70SK040B	47 48 47	91 42 43	.001	70SK089B	47 46 48	91 47 28	.001
70SK041B	47 48 50	91 42 32	.021	70SK090B	47 46 34	91 47 31	.001
70SK042B	47 48 47	91 42 25	.004	70SK091B	47 46 19	91 47 35	.002
70SK043B	47 48 43	91 42 18	.001	70SK092B	47 46 1	91 47 49	.003
70SK044B	47 48 36	91 42 14	.002	77MA1	47 29 37	92 6 7	.001
70SK045B	47 48 32	91 42 11	.002	77MA2	47 29 18	92 6 44	<.001
70SK047B	47 48 22	91 42 7	.001	77MA3	47 28 44	92 6 50	.001
70SK048B	47 48 18	91 42 11	.002	77MA4	47 28 18	92 6 14	.002
70SK049B	47 48 11	91 42 0	.002	77MA5	47 28 6	92 6 48	.001
70SK050B	47 48 11	91 41 53	.002	77MA6	47 28 0	92 7 38	<.001
70SK051B	47 48 0	91 41 42	.012	77MA7	47 27 55	92 8 17	.001
70SK057B	47 49 5	91 40 52	.005	77MA8	47 27 36	92 8 43	.001

TABLE 2. GOLD CONTENTS OF 1466 B-HORIZON SOIL SAMPLES FROM THE NORTHWESTERN PART OF THE DULUTH COMPLEX,
NORTHEASTERN MINNESOTA--Continued

Sample	LATITUDE	LONGITUD	AU PPM	Sample	LATITUDE	LONGITUD	AU PPM
77MA9	47 27 14	92 8 58	.001	77MA54	47 22 18	92 1 44	<.001
77MA10	47 26 48	92 9 1	.001	77MA55	47 26 44	92 2 8	.001
77MA11	47 26 22	92 9 19	.001	77MA56	47 26 43	92 2 37	<.001
77MA12	47 26 0	92 9 21	.002	77MA57	47 26 30	92 2 48	.001
77MA13	47 25 29	92 9 17	<.001	77MA58	47 25 27	92 1 10	<.001
77MA14	47 25 29	92 8 38	.002	77MA59	47 25 6	92 1 13	.002
77MA15	47 25 27	92 7 58	.002	77MA60	47 24 57	92 1 37	.002
77MA16	47 25 40	92 7 29	<.001	77MA61	47 24 46	92 1 30	.001
77MA17	47 28 56	92 2 31	.001	77MA62	47 24 22	92 1 42	.001
77MA18	47 28 32	92 2 9	.005	77MA63	47 25 38	92 6 59	.001
77MA19	47 28 8	92 1 45	.001	77MA64	47 25 52	92 6 39	.001
77MA20	47 27 45	92 1 32	<.001	77GR1	47 30 41	91 38 48	.004
77MA21	47 27 21	92 1 38	<.001	77GR2	47 31 3	91 38 31	<.001
77MA22	47 27 4	92 1 32	.001	77GR3	47 31 38	91 38 16	.082
77MA23	47 26 33	92 1 17	.001	77GR4	47 31 51	91 37 50	<.001
77MA24	47 26 4	92 1 18	.001	77GR5	47 32 10	91 37 25	.003
77MA25	47 25 56	92 0 55	.001	77GR6	47 32 50	91 37 24	.002
77MA26	47 25 8	92 9 21	.001	77GR7	47 33 8	91 37 6	.001
77MA27	47 24 37	92 9 13	.001	77GR8	47 32 12	91 36 54	.002
77MA28	47 24 8	92 9 7	.002	77GR9	47 31 40	91 37 0	.002
77MA29	47 23 43	92 9 5	.003	77GR10	47 31 18	91 37 17	.001
77MA30	47 23 16	92 9 9	.001	77GR11	47 31 0	91 37 32	.001
77MA31	47 23 11	92 8 38	<.001	77GR12	47 30 36	91 37 39	.002
77MA32	47 23 17	92 7 57	.001	77GR13	47 30 18	91 38 2	.001
77MA33	47 23 38	92 7 30	.001	77GR14	47 34 55	91 39 49	<.001
77MA34	47 24 4	92 7 28	.003	77GR15	47 34 37	91 40 16	.001
77MA35	47 22 54	92 9 21	.003	77GR16	47 34 21	91 40 45	.001
77MA36	47 22 27	92 9 38	.001	77GR17	47 34 35	91 41 19	<.001
77MA37	47 22 20	92 8 19	<.001	77GR18	47 34 55	91 40 40	<.001
77MA38	47 22 19	92 7 39	.003	77GR19	47 35 13	91 40 14	.003
77MA39	47 22 20	92 7 7	.003	77GR20	47 35 40	91 39 48	<.001
77MA40	47 22 45	92 7 17	.002	77GR21	47 38 0	91 32 25	.001
77MA41	47 23 4	92 7 12	.001	77GR22	47 37 59	91 33 4	.005
77MA42	47 23 26	92 6 48	.003	77GR23	47 38 24	91 38 8	.001
77MA43	47 22 16	92 6 26	.001	77GR24	47 38 25	91 33 49	.001
77MA44	47 22 16	92 5 47	.001	77GR25	47 37 48	91 33 37	.010
77MA45	47 22 20	92 5 3	<.001	77GR26	47 37 45	91 32 41	.001
77MA46	47 22 21	92 4 18	<.001	77GR27	47 37 26	91 33 3	.001
77MA47	47 22 21	92 3 42	.005	77GR28	47 37 4	91 33 36	<.001
77MA48	47 22 46	92 3 30	.001	77GR29	47 36 51	91 34 0	.001
77MA49	47 23 6	92 3 19	.001	77GR30	47 36 44	91 33 29	<.001
77MA50	47 23 31	92 3 1	.001	77GR31	47 36 51	91 33 2	.003
77MA51	47 23 53	92 2 39	<.001	77GR32	47 38 22	91 32 18	<.001
77MA52	47 22 21	92 3 2	.002	77GR33	47 36 49	91 38 11	<.001
77MA53	47 22 21	92 2 21	.001	77GR34	47 36 55	91 37 47	.001

TABLE 2. GOLD CONTENTS OF 1466 B-HORIZON SOIL SAMPLES FROM THE NORTHWESTERN PART OF THE DULUTH COMPLEX,
NORTHEASTERN MINNESOTA--Continued

Sample	LATITUDE	LONGITUD	AU PPM	Sample	LATITUDE	LONGITUD	AU PPM
77GR35	47 37 15	91 37 22	<.001	77MA104	47 22 22	92 3 31	.002
77GR36	47 37 38	91 37 9	.001	77MA105	47 22 17	92 2 47	.002
77AL001	47 32 45	92 7 0	.001	77MA106	47 22 19	92 1 19	.001
77AL002	47 32 51	92 6 25	<.001	77MA107	47 22 22	92 0 11	.001
77AL4A	47 33 5	92 5 49	<.001	77BR108	47 22 21	91 59 30	.001
77AL4	47 33 6	92 5 9	.002	77BR109	47 22 22	91 58 52	<.001
77AL5	47 33 21	92 4 40	.001	77BR110	47 22 18	91 57 56	.001
77AL6	47 33 40	92 4 10	.001	77BR111	47 22 32	91 56 56	.002
77AL7	47 33 51	92 3 40	.001	77BR112	47 22 17	91 56 13	.001
77AL8	47 33 54	92 3 11	<.001	77BR113	47 22 14	91 55 39	.002
77AL9	47 33 2	92 4 45	.001	77BR114	47 22 2	91 55 5	.001
77AL10	47 32 48	92 4 38	.002	77BR115	47 22 13	91 54 52	.001
77AL11	47 32 32	92 4 42	.002	77BR116	47 22 40	91 54 18	.001
77AL12	47 32 17	92 4 50	<.001	77BR117	47 23 37	91 54 8	.001
77AL13	47 32 5	92 4 48	.030	77BR118	47 23 38	91 54 26	.001
77AL14	47 31 58	92 4 33	.001	77BR119	47 24 6	91 54 25	.002
77AL15	47 32 0	92 5 11	.001	77BR120	47 24 20	91 54 54	.002
77AL16	47 32 4	92 5 28	.001	77BR121	47 24 48	91 54 55	.001
77AL17	47 32 26	92 5 9	<.001	77BR122	47 25 22	91 54 59	<.001
77AL18	47 32 27	92 5 28	.001	77BR123	47 25 50	91 54 57	<.001
77AL19	47 32 46	92 5 18	<.001	77BR124	47 26 10	91 55 2	.001
77AL20	47 32 15	92 4 32	.001	77BR1	47 29 8	91 59 47	.002
77AL21	47 32 51	92 5 32	.001	77BR2	47 28 50	91 59 24	.001
77AL22	47 32 17	92 7 0	.001	77BR3	47 28 22	91 59 22	<.001
77AL23	47 31 51	92 6 59	<.001	77BR4	47 28 3	91 58 54	<.001
77AL24	47 31 38	92 7 28	.001	77BR5	47 27 43	91 58 21	.001
77AL25	47 33 10	92 7 9	.001	77BR6	47 27 16	91 58 11	.001
77AL26	47 33 29	92 7 22	.001	77BR7	47 26 48	91 58 17	.001
77AL27	47 31 4	92 5 59	.001	77BR8	47 26 24	91 58 4	<.001
77AL28	47 30 37	92 5 7	<.001	77BR9	47 25 57	91 57 49	.001
77AL29	47 30 16	92 3 58	.001	77BR10	47 25 37	91 57 30	.001
77AL30	47 29 43	92 1 25	<.001	77BR11	47 25 17	91 57 16	.003
77AL31	47 29 47	92 1 53	<.001	77BR12	47 24 53	91 56 58	.001
77AL32	47 29 55	92 2 38	.001	77BR13	47 24 31	91 56 41	.001
77AL33	47 31 17	92 5 45	.001	77BR14	47 24 1	91 56 32	.003
77AL34	47 31 29	92 5 28	<.001	77BR15	47 23 37	91 56 14	.002
77AL35	47 31 42	92 5 16	.048	77BR16	47 23 17	91 56 11	.070
77AL36	47 31 54	92 4 57	<.001	77BR17	47 28 50	91 58 47	<.001
77AL37	47 31 58	92 4 12	<.001	77BR18	47 28 44	91 58 20	.003
77AL38	47 33 57	92 2 52	.001	77BR19	47 28 25	91 57 56	.001
77AL39	47 34 7	92 2 39	<.001	77BR20	47 28 1	91 57 38	<.001
77MA100	47 22 16	92 6 16	.002	77BR21	47 27 54	91 57 11	.001
77MA101	47 22 20	92 5 25	.001	77BR22	47 28 6	91 56 38	.003
77MA102	47 22 20	92 4 49	.002	77BR23	47 29 9	91 48 9	.001
77MA103	47 22 17	92 4 4	<.001	77BR24	47 28 54	91 47 41	.001

TABLE 2. GOLD CONTENTS OF 1466 B-HORIZON SOIL SAMPLES FROM THE NORTHWESTERN PART OF THE DULUTH COMPLEX,
NORTHEASTERN MINNESOTA--Continued

Sample	LATITUDE	LONGITUD	AU PPM	Sample	LATITUDE	LONGITUD	AU PPM
77BR25	47 28 41	91 48 15	.001	75WL165	47 36 40	91 50 57	<.001
77BR26	47 28 16	91 48 41	.001	75WL167	47 37 9	91 50 46	.004
77BR27	47 28 37	91 48 44	<.001	75WL168	47 36 10	91 50 53	.001
77BR28	47 28 53	91 49 17	<.001	75WL169	47 36 0	91 51 15	.003
77BR29	47 29 3	91 48 43	<.001	75WL170	47 35 54	91 51 37	<.001
77BR30	47 29 29	91 48 45	<.001	75WL171	47 35 55	91 51 59	<.001
77BR31	47 29 3	91 49 29	<.001	75WL172	47 35 58	91 52 22	<.001
77BR32	47 29 20	91 50 0	.001	75SK236	47 46 44	91 47 10	.001
77BR33	47 29 51	91 49 29	.001	75SK237	47 46 55	91 46 52	.001
77BR34	47 30 7	91 50 0	<.001	75SK238	47 46 59	91 46 37	.006
77BR35	47 30 27	91 49 12	<.001	75SK239	47 46 23	91 47 17	.003
77BR36	47 30 43	91 48 2	<.001	75SK240	47 46 12	91 47 6	.002
77BR37	47 30 7	91 47 27	.001	75SK241	47 45 58	91 47 2	.001
77BR38	47 29 47	91 47 52	.001	75SK242	47 45 47	91 46 48	<.001
77BR39	47 29 20	91 48 21	.001	75SK243	47 45 25	91 47 46	.001
77BR40	47 27 54	91 55 43	.001	75SK244	47 45 18	91 48 29	.002
77BR41	47 28 23	91 55 29	.001	75SK245	47 45 7	91 48 11	.001
77BR42	47 28 27	91 54 54	.001	75SK246	47 45 54	91 48 36	<.001
77BR43	47 28 18	91 54 20	.001	75SK247	47 46 41	91 48 0	.001
77BR44	47 28 0	91 53 49	<.001	75SK248	47 47 24	91 42 43	.001
77BR45	47 27 32	91 53 47	.001	75SK249	47 47 13	91 43 1	.001
77BR46	47 27 40	91 53 9	.001	75SK250	47 47 2	91 43 26	.001
77BR47	47 27 55	91 53 8	.001	75SK251	47 47 28	91 43 19	.002
77BR48	47 28 17	91 52 40	.001	75SK252	47 47 35	91 43 44	.001
77MA65	47 31 23	92 4 54	.003	75SK253	47 47 35	91 44 17	.001
77MA66	47 31 39	92 4 49	.002	75SK200	47 48 7	91 50 28	.002
77MA67	47 31 45	92 4 20	.001	75SK201	47 47 42	91 50 31	.001
77MA68	47 31 57	92 3 51	.001	75SK202	47 47 24	91 50 35	.002
77MA69	47 31 41	92 3 59	.001	75SK203	47 47 6	91 50 35	.001
77MA70	47 31 29	92 3 45	.001	75SK204	47 46 52	91 50 31	.001
77MA71	47 31 35	92 3 21	.001	75SK205	47 46 30	91 50 35	.001
77MA72	47 31 20	92 3 14	.003	75SK206	47 46 12	91 50 35	.001
77MA73	47 31 31	92 2 54	.002	75SK207	47 45 54	91 50 38	<.001
75KW417	47 37 26	91 47 49	<.001	75SK208	47 46 26	91 50 53	.004
75KW418	47 37 20	91 47 28	.001	75SK209	47 46 30	91 51 14	.009
75KW419	47 37 4	91 47 13	.001	75SK210	47 46 12	91 51 40	.001
75KW420	47 37 15	91 46 52	.001	75SK211	47 45 58	91 51 54	<.001
75KW423	47 37 16	91 48 47	.002	75SK212	47 45 43	91 51 47	.001
75KW424	47 37 2	91 48 56	.001	75SK213	47 45 36	91 51 58	<.001
75KW425	47 36 49	91 49 3	.001	75SK214	47 45 22	91 51 58	.001
75KW427	47 36 23	91 49 24	<.001	75SK215	47 45 7	91 52 5	.001
75WL160	47 36 28	91 49 46	.001	75SK216	47 45 29	91 49 12	.001
75WL161	47 36 17	91 50 8	.002	75SK217	47 45 29	91 49 37	<.001
75WL162	47 36 31	91 50 18	.001	75SK218	47 45 25	91 50 2	.002
75WL164	47 36 25	91 50 43	.001	75SK219	47 45 18	91 50 24	.001

TABLE 2. GOLD CONTENTS OF 1466 B-HORIZON SOIL SAMPLES FROM THE NORTHWESTERN PART OF THE DULUTH COMPLEX,
NORTHEASTERN MINNESOTA--Continued

Sample	LATITUDE	LONGITUD	AU PPM	Sample	LATITUDE	LONGITUD	AU PPM
75SK220	47 45 7	91 50 35	.001	75SK287	47 47 35	91 45 25	<.001
75SK221	47 44 56	91 50 31	.001	75SK288	47 47 17	91 45 32	.001
75SK222	47 43 37	91 38 38	.001	75SK289	47 47 2	91 45 43	.001
75SK223	47 43 23	91 39 18	.002	75SK290	47 46 55	91 45 25	.003
75SK224	47 43 8	91 39 47	.001	75SK291	47 46 44	91 45 36	.003
75SK225	47 42 54	91 40 19	.001	75SK292	47 46 34	91 45 32	.002
75SK226	47 42 40	91 41 2	.001	75SK293	47 46 12	91 45 4	.002
75SK227	47 42 29	91 41 31	.003	75SK294	47 46 5	91 45 29	.001
75SK228	47 42 50	91 42 14	<.001	75SK295	47 47 24	91 42 7	.002
75SK229	47 42 36	91 42 50	.002	75SK296	47 46 59	91 42 7	.001
75SK230	47 42 14	91 43 23	.001	75SK297	47 46 34	91 39 32	.001
75SK231	47 42 18	91 44 10	.006	75SK298	47 46 41	91 39 14	<.001
75SK232	47 41 56	91 44 42	.001	75SK299	47 47 6	91 39 14	.001
75SK233	47 41 35	91 45 11	.004	75SK281	47 48 11	91 46 5	.001
75SK234	47 41 13	91 46 5	.002	75SK300	47 48 18	91 47 6	.001
75SK235	47 41 17	91 46 37	.004	75SK301	47 48 18	91 46 44	.006
75SK254	47 47 13	91 44 28	<.001	75SK302	47 48 0	91 47 2	.001
75SK255	47 46 48	91 44 46	.002	75SK303	47 47 42	91 46 48	.002
75SK256	47 46 34	91 45 4	.001	75SK304	47 47 28	91 46 55	.002
75SK257	47 46 19	91 45 22	.004	75SK304A	47 47 31	91 46 59	.002
75SK258	47 46 5	91 44 49	.001	75SK305	47 47 24	91 46 41	.003
75SK259	47 46 26	91 44 28	<.001	75SK306	47 47 10	91 46 30	.001
75SK260	47 46 34	91 44 2	.003	75SK307	47 46 52	91 46 16	.001
75SK261	47 47 17	91 44 49	.003	75SK308	47 46 41	91 46 12	.005
75SK262	47 47 56	91 44 10	.001	75SK309	47 46 23	91 46 12	.001
75SK264	47 46 41	91 41 35	.008	75SK310	47 46 8	91 46 19	<.001
75SK265	47 46 34	91 41 56	.001	75SK311	47 45 54	91 46 23	.005
75SK266	47 46 41	91 42 14	.006	75SK312	47 45 43	91 46 41	.001
75SK268	47 46 41	91 43 8	.001	75SK314	47 45 0	91 47 24	.001
75SK269	47 46 37	91 43 26	.001	75SK315	47 45 7	91 47 53	.002
75SK270	47 49 16	91 44 2	.050	75SK316	47 44 46	91 47 46	.005
75SK271	47 49 34	91 43 37	.002	75SK317	47 44 2	91 50 49	.005
75SK272	47 49 48	91 43 23	<.001	75SK318	47 44 13	91 50 31	.006
75SK273	47 49 44	91 42 40	.002	75SK319	47 44 24	91 50 17	.002
75SK275	47 49 30	91 42 36	.003	75SK320	47 44 35	91 50 6	.007
75SK276	47 49 23	91 43 12	.003	75SK321	47 44 35	91 49 48	.009
75SK277	47 49 5	91 43 41	.002	75SK323	47 44 28	91 49 16	.011
75SK278	47 48 32	91 44 46	.003	75SK324	47 44 20	91 49 5	.004
75SK279	47 48 40	91 45 0	.001	75SK325	47 44 17	91 48 47	.009
75SK280	47 48 22	91 45 32	.001	75SK326	47 44 2	91 48 50	.007
75SK282	47 47 50	91 46 30	.001	75SK327	47 43 44	91 48 50	.006
75SK283	47 47 42	91 46 19	.002	75SK328	47 43 34	91 48 47	.007
75SK284	47 47 28	91 46 12	.001	75SK329	47 44 10	91 48 32	.005
75SK285	47 47 10	91 45 54	.001	75SK330	47 44 2	91 48 29	.008
75SK286	47 47 24	91 45 43	.001	75SK331	47 44 2	91 48 4	.010

TABLE 2. GOLD CONTENTS OF 1466 B-HORIZON SOIL SAMPLES FROM THE NORTHWESTERN PART OF THE DULUTH COMPLEX,
NORTHEASTERN MINNESOTA--Continued

Sample	LATITUDE	LONGITUD	AU PPM	Sample	LATITUDE	LONGITUD	AU PPM
75SK332	47 44 6	91 47 42	.006	75SK408	47 48 7	91 39 29	.001
75SK333	47 43 52	91 48 0	.009	75SK409	47 46 12	91 39 54	.003
75SK334	47 43 52	91 47 42	.005	75SK410	47 45 50	91 40 8	.001
75SK336	47 44 10	91 47 13	.001	75SK411	47 47 35	91 41 31	.002
75SK337	47 44 17	91 46 41	.001	75SK412	47 47 53	91 41 28	.004
75SK338	47 44 28	91 46 16	.001	75SK414	47 48 7	91 41 28	.001
75SK339	47 44 38	91 46 34	.001	75SK414A	47 48 25	91 41 24	.001
75SK340	47 44 31	91 46 55	.001	75SK415	47 48 36	91 41 6	<.001
75SK341	47 44 24	91 47 10	.002	75SK418	47 50 31	91 37 52	.005
75SK342	47 44 17	91 47 31	.001	75SK419	47 49 44	91 38 38	.002
75SK343	47 44 28	91 47 28	.001	75SK420	47 49 26	91 38 42	.001
75SK344	47 44 38	91 47 10	.001	75SK421	47 49 19	91 39 0	.004
75SK345	47 44 49	91 46 59	.002	75SK422	47 49 26	91 39 29	.003
75SK346	47 45 50	91 45 29	.003	75SK425	47 48 50	91 38 10	.006
75SK347	47 45 36	91 45 32	.002	75SK426	47 48 36	91 38 6	.001
75SK348	47 45 22	91 45 40	.006	75SK427	47 48 22	91 38 10	.001
75SK349	47 45 32	91 46 1	.004	75SK428	47 49 55	91 37 52	.006
75SK350	47 45 22	91 46 12	.003	75SK429	47 49 48	91 37 5	.001
75SK351	47 45 25	91 46 34	.004	75SK430	47 49 59	91 36 47	.002
75SK352	47 45 11	91 46 34	.001	75SK433	47 45 47	91 39 4	.002
75SK353	47 45 4	91 46 59	.002	75SK434	47 45 25	91 39 0	.001
75SK354	47 45 0	91 46 37	.002	75SK435	47 45 7	91 38 31	.001
75SK355	47 44 38	91 48 7	.002	75SK436	47 44 31	91 38 28	.001
75SK356	47 44 46	91 48 29	.010	75SK437	47 44 10	91 38 13	.002
75SK357	47 44 56	91 48 36	.003	75SK438	47 43 44	91 37 52	.001
75SK358	47 44 53	91 48 50	.002	75SK439	47 43 44	91 37 16	.001
75SK359	47 44 49	91 49 12	.007	75SK440	47 43 59	91 36 43	.001
75SK360	47 44 53	91 49 30	.006	75SK441	47 44 2	91 36 0	.001
75SK361	47 44 56	91 49 44	.004	75SK442	47 44 31	91 36 18	.001
75SK362	47 44 56	91 50 2	.005	75SK443	47 44 53	91 36 4	.001
75SK363	47 44 53	91 50 24	.002	75SK444	47 45 22	91 35 53	.001
75SK364	47 44 38	91 50 38	.008	75SK445	47 45 47	91 35 49	.002
75SK365	47 44 31	91 50 53	.001	75SK446	47 46 8	91 35 35	.007
75SK366	47 44 49	91 51 4	<.001	75SK447	47 46 8	91 36 7	.002
75SK367	47 45 11	91 51 7	.001	75SK448	47 46 12	91 36 40	.002
75SK368	47 45 22	91 51 0	.001	75SK449	47 46 26	91 36 43	.003
75SK369	47 45 4	91 51 40	.002	75SK450	47 46 37	91 37 1	.027
75SK400	47 47 6	91 39 40	.001	75SK451	47 46 48	91 37 12	.003
75SK401	47 47 20	91 40 5	.002	75SK452	47 46 59	91 37 41	.009
75SK402	47 47 24	91 39 0	.002	75SK453	47 47 10	91 38 10	.002
75SK403	47 47 24	91 38 31	.002	75SK454	47 46 30	91 35 6	.001
75SK404	47 47 56	91 38 28	.022	75SK455	47 46 52	91 34 55	<.001
75SK405	47 48 11	91 38 20	.003	75SK456	47 47 13	91 34 52	.001
75SK406	47 47 38	91 39 47	.003	75SK457	47 47 35	91 34 48	<.001
75SK407	47 48 0	91 39 47	.001	75SK458	47 47 49	91 35 2	.002

TABLE 2. GOLD CONTENTS OF 1466 B-HORIZON SOIL SAMPLES FROM THE NORTHWESTERN PART OF THE DULUTH COMPLEX,
NORTHEASTERN MINNESOTA--Continued

Sample	LATITUDE	LONGITUD	AU PPM	Sample	LATITUDE	LONGITUD	AU PPM
75SK459	47 47 38	91 35 24	.001	75SK484	47 43 52	91 41 38	.001
75SK460	47 47 49	91 35 28	.006	75SK485	47 44 10	91 41 10	.001
75SK462	47 44 24	91 35 6	.009	75SK486	47 44 35	91 40 37	.001
75SK463	47 44 24	91 34 34	.001	75SK487	47 44 49	91 40 59	.001
75SK464	47 44 31	91 33 58	.001	75SK488	47 44 53	91 41 38	<.001
75SK465	47 44 56	91 34 8	.001	75SK489	47 44 53	91 40 16	.001
75SK467	47 44 28	91 33 25	.001	75SK490	47 41 38	91 45 43	.001
75SK468	47 44 31	91 32 49	<.001	75SK491	47 42 4	91 45 40	.001
75SK469	47 44 35	91 32 10	.001	75SK492	47 42 4	91 46 23	<.001
75SK470	47 44 56	91 32 2	.001	75SK493	47 42 4	91 47 2	.001
75SK471	47 45 11	91 32 6	.001	75SK494	47 42 14	91 47 20	.001
75SK472	47 44 28	91 31 37	.001	75SK495	47 42 36	91 47 2	.001
75SK473	47 44 28	91 31 1	.001	75SK496	47 43 5	91 47 10	.001
75SK474	47 44 46	91 30 50	.001	75SK497	47 43 30	91 47 10	.001
75SK475	47 45 14	91 30 47	.001	75SK498	47 43 48	91 46 59	.001
75SK476	47 45 36	91 30 32	.002	75SK499	47 44 6	91 47 2	<.001
75SK477	47 45 47	91 30 14	.002	75SK700	47 41 28	91 45 40	.001
75SK478	47 45 54	91 30 50	.001	75SK701	47 41 13	91 46 19	.001
75SK479	47 46 8	91 31 8	.001	75SK702	47 40 59	91 50 38	.001
75SK480	47 46 19	91 31 37	.005	75SK703	47 40 41	91 50 20	.001
75SK370	47 43 16	91 38 35	.003	75SK704	47 40 19	91 49 55	.001
75SK371	47 42 54	91 38 49	.007	75SK705	47 39 58	91 49 37	<.001
75SK372	47 42 33	91 38 38	.008	75SK706	47 39 32	91 49 16	.001
75SK373	47 42 7	91 38 24	.004	75SK717	47 39 25	91 47 42	.001
75SK374	47 41 46	91 38 28	.004	75SK718	47 39 43	91 47 20	.003
75SK375	47 41 13	91 38 31	.008	75SK719	47 39 54	91 46 48	.001
75SK376	47 40 59	91 37 48	.017	75SK720	47 40 5	91 46 19	.004
75SK377	47 40 59	91 37 19	.017	75SK721	47 40 26	91 46 8	.001
75SK378	47 40 37	91 37 1	.006	75SK722	47 40 59	91 46 8	<.001
75SK379	47 40 12	91 36 54	.025	75SK723	47 41 6	91 46 8	<.001
75SK380	47 39 54	91 36 29	.004	75SK726	47 41 6	91 48 0	.011
75SK381	47 39 29	91 36 7	.002	75SK727	47 41 10	91 49 23	.001
75SK382	47 39 18	91 35 38	.003	75SK500	47 42 43	91 43 30	<.001
75SK383	47 39 11	91 34 52	.002	75SK501	47 43 12	91 43 16	.001
75SK384	47 38 53	91 34 5	.001	75SK502	47 43 34	91 43 37	.001
75SK385	47 38 53	91 33 47	.002	75SK503	47 43 52	91 43 52	.002
75SK386	47 38 49	91 33 7	.023	75SK504	47 44 17	91 43 44	.002
75SK387	47 38 46	91 32 31	.002	75SK505	47 44 35	91 43 34	.001
75SK388	47 38 46	91 31 59	.002	75SK506	47 45 7	91 43 30	.003
75SK389	47 38 35	91 31 30	.005	75SK506A	47 45 25	91 43 12	.001
75SK390	47 38 28	91 30 50	.002	75SK508	47 45 40	91 42 47	.002
75SK391	47 38 13	91 30 0	.002	75SK509	47 46 5	91 42 47	.001
75SK481	47 43 41	91 39 29	.001	75SK510	47 44 49	91 44 13	.001
75SK482	47 43 16	91 42 32	<.001	75SK511	47 45 11	91 44 28	.001
75SK483	47 43 44	91 42 11	.001	75SK512	47 44 53	91 44 49	.001

TABLE 2. GOLD CONTENTS OF 1466 B-HORIZON SOIL SAMPLES FROM THE NORTHWESTERN PART OF THE DULUTH COMPLEX,
NORTHEASTERN MINNESOTA--Continued

Sample	LATITUDE	LONGITUD	AU PPM	Sample	LATITUDE	LONGITUD	AU PPM
75SK513	47 44 49	91 45 7	<.001	75SK740	47 40 52	91 44 56	.002
75SK514	47 45 7	91 45 40	.003	75SK741	47 38 49	91 37 37	.001
75SK515	47 45 29	91 45 54	.001	75SK742	47 38 31	91 37 59	.001
75SK516	47 42 14	91 44 56	<.001	75SK743	47 38 28	91 38 31	.001
75SK517	47 42 40	91 44 56	.001	75SK744	47 38 2	91 38 46	.003
75SK518	47 43 5	91 44 53	.003	75SK745	47 37 41	91 39 11	.008
75SK519	47 43 30	91 45 22	.003	75SK746	47 37 28	91 39 38	.001
75SK520	47 43 16	91 45 50	.001	75SK747	47 37 16	91 40 9	.001
75SK521	47 42 36	91 46 16	.001	75SK748	47 37 23	91 40 41	.004
75SK522	47 42 58	91 46 23	.002	75SK749	47 37 23	91 41 11	<.001
75SK523	47 43 26	91 46 44	<.001	75SK750	47 37 34	91 41 46	<.001
75SK524	47 42 50	91 47 35	<.001	75SK751	47 37 52	91 42 14	.001
75SK525	47 42 58	91 48 4	.001	75SK753	47 37 59	91 43 23	.001
75SK526	47 43 12	91 47 53	.001	75SK754	47 38 2	91 44 2	<.001
75SK527	47 44 6	91 48 43	.001	75SK755	47 38 6	91 44 38	.001
75SK528	47 43 48	91 48 29	.003	75SK760	47 46 16	91 35 20	.002
75SK529	47 43 34	91 48 22	.001	75SK761	47 46 8	91 35 49	.001
75SK530	47 43 23	91 48 11	.003	75SK545	47 45 22	91 35 28	.001
75SK532	47 42 58	91 48 18	.001	75SK546	47 45 36	91 35 20	.001
75SK533	47 41 46	91 46 48	.002	75SK547	47 45 50	91 35 10	<.001
75SK538	47 41 53	91 46 1	.001	75SK549	47 46 5	91 34 59	.002
75SK539	47 40 44	91 46 37	.001	75SK550	47 45 58	91 34 55	.001
75SK540	47 40 41	91 47 6	<.001	75SK551	47 46 5	91 34 34	<.001
75SK541	47 40 44	91 45 40	<.001	75SK552	47 45 18	91 38 17	.001
75SK542	47 44 35	91 35 28	.001	75SK553	47 45 22	91 37 55	.001
75SK543	47 44 49	91 35 28	<.001	75SK558	47 45 32	91 37 37	.002
75SK392	47 50 10	91 42 22	.003	75SK559	47 45 50	91 37 16	.003
75SK393	47 50 17	91 41 49	.003	75SK560	47 46 1	91 37 5	.032
75SK394	47 50 35	91 41 17	.007	75SK561	47 44 20	91 37 59	<.001
75SK395	47 50 38	91 40 41	.001	75SK562	47 44 35	91 37 41	.001
75SK396	47 50 49	91 39 58	.004	75SK563	47 44 46	91 37 30	.001
75SK397	47 51 7	91 39 32	.001	75SK564	47 44 56	91 37 12	.002
75SK398	47 51 25	91 39 4	<.001	75SK565	47 45 14	91 37 12	.003
75SK728	47 41 6	91 39 7	.002	75SK566	47 45 29	91 37 1	.001
75SK729	47 41 2	91 39 50	.001	75SK567	47 41 20	91 49 19	<.001
75SK730	47 41 6	91 40 23	.001	75SK568	47 41 31	91 49 37	<.001
75SK731	47 41 10	91 41 2	<.001	75SK569	47 41 49	91 49 37	.002
75SK732	47 41 10	91 41 42	.001	75SK570	47 42 4	91 49 41	.002
75SK733	47 41 6	91 42 0	.001	75SK576	47 41 46	91 49 55	.002
75SK734	47 40 44	91 42 0	<.001	75SK577	47 42 0	91 49 12	<.001
75SK735	47 40 23	91 42 29	.002	75SK578	47 42 11	91 49 1	.001
75SK736	47 40 16	91 42 58	.001	75SK579	47 42 29	91 48 58	.001
75SK737	47 40 37	91 43 12	.003	75SK580	47 42 43	91 49 5	<.001
75SK738	47 40 48	91 43 41	.011	75SK581	47 42 58	91 49 5	.002
75SK739	47 40 52	91 44 17	.001	75SK582	47 41 28	91 51 29	.003

TABLE 2. GOLD CONTENTS OF 1466 B-HORIZON SOIL SAMPLES FROM THE NORTHWESTERN PART OF THE DULUTH COMPLEX,
NORTHEASTERN MINNESOTA--Continued

Sample	LATITUDE	LONGITUD	AU PPM	Sample	LATITUDE	LONGITUD	AU PPM
75SK583	47 40 16	91 50 35	.001	76SK637	47 41 35	91 35 59	.002
75SK584	47 39 7	91 49 12	.001	76SK638	47 41 25	91 31 43	.001
75SK585	47 39 7	91 49 37	.002	76SK639	47 41 9	91 31 3	.019
75SK586	47 39 4	91 50 2	.001	76SK640	47 41 0	91 30 32	.001
75SK587	47 39 4	91 50 24	.002	76SK641	47 41 15	91 32 30	.001
75SK588	47 38 56	91 50 46	.002	76SK642	47 40 50	91 32 25	.001
75SK589	47 39 22	91 50 13	.001	76SK647	47 40 28	91 32 19	.001
76SK598	47 38 25	91 37 45	.001	76SK648	47 40 14	91 31 49	.001
76SK599	47 37 59	91 37 52	<.001	76SK649	47 39 51	91 31 50	.002
76SK600	47 37 36	91 38 4	.026	76SK650	47 39 31	91 31 41	<.001
76SK601	47 37 18	91 38 27	.001	76SK651	47 39 8	91 31 59	<.001
76SK602	47 36 56	91 38 50	.002	76SK652	47 39 39	91 31 9	.001
76SK604	47 43 31	91 37 19	.001	76SK653	47 39 52	91 30 51	.001
76SK605	47 43 7	91 37 12	.001	76SK655	47 40 32	91 30 32	.024
76SK606	47 42 41	91 37 28	.001	76SK656	47 40 9	91 32 18	.002
76SK607	47 42 29	91 36 55	.001	76SK657	47 39 19	91 33 30	.001
76SK608	47 42 33	91 36 21	.001	76SK658	47 42 10	91 38 0	.002
76SK609	47 42 33	91 35 47	.001	76SK659	47 42 5	91 37 30	.001
76SK610	47 42 24	91 35 7	.001	76SK660	47 42 6	91 37 2	.002
76SK611	47 42 31	91 34 29	.001	76SK661	47 40 6	91 37 29	.001
76SK612	47 42 48	91 33 55	.001	76SK662	47 40 1	91 38 4	.001
76SK613	47 42 36	91 33 22	<.001	76SK663	47 39 59	91 38 33	.001
76SK614	47 42 14	91 33 40	.001	76SK664	47 39 44	91 38 46	<.001
76SK615	47 41 47	91 33 34	.001	76SK665	47 39 49	91 39 16	<.001
76SK616	47 41 36	91 34 7	.001	76SK666	47 39 37	91 39 41	.002
76SK617	47 41 22	91 34 26	.001	76SK667	47 39 30	91 40 2	<.001
76SK618	47 41 3	91 34 35	.001	76SK668	47 38 39	91 38 49	.001
76SK619	47 41 3	91 35 23	.003	76SK764	47 36 29	91 38 41	.001
76SK620	47 40 58	91 34 57	.001	76SK765	47 36 14	91 38 45	.001
76SK621	47 40 43	91 35 28	<.001	76SK766	47 35 56	91 38 40	.003
76SK622	47 40 35	91 34 35	.160	76SK767	47 35 41	91 38 52	.001
76SK623	47 40 43	91 34 5	.001	76SK768	47 35 27	91 39 1	.001
76SK624	47 40 31	91 33 41	.005	76SK769	47 35 13	91 39 12	.003
76SK625	47 40 10	91 33 15	.003	76SK770	47 34 56	91 39 23	.005
76SK626	47 42 21	91 32 59	.004	76SK771	47 34 39	91 39 23	.030
76SK627	47 42 20	91 32 27	.002	76SK772	47 34 20	91 39 22	.011
76SK628	47 42 8	91 31 59	.004	76SK773	47 34 2	91 39 18	.002
76SK629	47 42 7	91 31 22	.002	76SK774	47 33 47	91 39 22	.004
76SK630	47 42 0	91 31 7	.002	76SK775	47 33 28	91 39 22	.002
76SK631	47 42 1	91 30 51	.001	76SK776	47 33 9	91 39 23	.006
76SK632	47 41 45	91 31 47	.001	76SK777	47 32 56	91 39 23	.001
76SK633	47 41 39	91 32 18	<.001	76SK778	47 32 23	91 39 23	.008
76SK634	47 41 53	91 32 39	.001	76SK779	47 32 6	91 39 17	.024
76SK635	47 41 54	91 33 5	.001	76SK780	47 31 50	91 39 18	.003
76SK636	47 41 21	91 35 21	.002	76SK781	47 31 37	91 39 24	.003

TABLE 2. GOLD CONTENTS OF 1466 B-HORIZON SOIL SAMPLES FROM THE NORTHWESTERN PART OF THE DULUTH COMPLEX, NORTHEASTERN MINNESOTA--Continued

Sample	LATITUDE	LONGITUD	AU PPM	Sample	LATITUDE	LONGITUD	AU PPM
76SK782	47 31 22	91 39 18	.002	76SK905	47 40 5	91 48 36	.001
76SK783	47 31 10	91 39 17	.002	76SK906	47 40 12	91 48 47	<.001
76SK784	47 30 49	91 39 15	.003	76SK907	47 38 56	91 47 53	<.001
76SK785	47 34 53	91 38 54	.003	76SK908	47 38 38	91 48 0	.001
76SK786	47 34 52	91 38 27	.001	76SK909	47 38 31	91 48 50	.001
76SK787	47 34 54	91 38 3	.002	76SK910	47 38 2	91 48 11	<.001
76SK788	47 34 52	91 37 40	.001	76SK911	47 37 34	91 48 0	<.001
76SK789	47 34 52	91 37 0	.003	76SK917	47 37 30	91 48 25	.001
76SK790	47 35 4	91 36 48	.002	76SK936	47 37 37	91 48 36	.001
76SK791A	47 35 20	91 36 48	.016	76SK937	47 37 48	91 48 54	.001
76SK792	47 35 35	91 36 36	.001	76SK938	47 37 55	91 49 12	.001
76SK793	47 35 44	91 36 7	.002	76SK939	47 38 6	91 49 23	<.001
76SK794	47 35 44	91 35 36	.002	76SK940	47 38 10	91 49 34	.001
76SK795	47 36 3	91 35 13	.002	76SK941	47 37 37	91 49 16	<.001
76SK796	47 36 32	91 34 49	.001	76SK942	47 37 30	91 49 34	.001
76SK669	47 44 9	91 33 16	<.001	76SK943	47 37 34	91 49 55	.001
76SK670	47 43 47	91 33 25	<.001	76SK944	47 37 34	91 50 20	.002
76SK671	47 43 26	91 33 23	.001	76SK818	47 29 28	91 39 17	<.001
76SK672	47 43 48	91 33 18	.001	76SK819	47 29 3	91 38 56	.001
76SK674	47 44 21	91 30 50	.001	76SK820	47 28 39	91 38 44	<.001
76SK675	47 43 55	91 30 43	.001	76SK821	47 28 14	91 38 42	.001
76SK676	47 43 37	91 30 30	.002	76SK822	47 27 46	91 38 56	.001
76SK677	47 43 13	91 30 34	.001	76SK823	47 27 20	91 38 57	<.001
76SK678	47 42 50	91 30 46	.001	76SK824	47 26 52	91 39 5	.001
76SK679	47 42 44	91 31 21	.001	76SK825	47 26 24	91 39 7	<.001
76SK680	47 42 34	91 31 59	<.001	76SK826	47 25 56	91 39 9	.001
76SK681	47 44 13	91 34 52	.001	76SK827	47 25 40	91 39 42	.001
76SK682	47 40 54	91 39 20	<.001	76SK828	47 25 53	91 38 16	.002
76SK683	47 40 37	91 39 28	.001	76SK829	47 26 22	91 37 44	.004
76SK684	47 40 21	91 39 29	.003	76SK830	47 26 31	91 37 17	.001
76SK685	47 40 6	91 39 29	.001	76SK831	47 26 53	91 36 25	.001
76SK686	47 39 52	91 39 27	.001	76SK832	47 27 4	91 35 41	.001
76SK687	47 39 49	91 39 50	.001	76SK833	47 27 11	91 35 8	.001
76SK805	47 46 53	92 0 11	.001	76SK834	47 27 27	91 34 35	.001
76SK688	47 39 58	91 43 12	.001	76SK835	47 27 55	91 33 1	.002
76SK694	47 39 44	91 43 17	.001	76SK836	47 28 27	91 32 2	.001
76SK695	47 39 31	91 42 42	.001	76SK949	47 38 28	91 47 2	.001
76SK697	47 40 25	91 43 51	<.001	76SK950	47 38 31	91 46 34	.001
76SK698	47 40 10	91 44 26	.005	76SK951	47 38 31	91 46 16	.001
76SK699	47 40 3	91 44 47	.001	76SK952	47 37 38	91 40 40	.001
76SK900	47 39 47	91 47 46	<.001	76SK953	47 37 52	91 40 51	<.001
76SK901	47 40 1	91 47 49	.001	76SK954	47 38 11	91 40 58	.001
76SK902	47 39 50	91 48 11	<.001	76SK955	47 38 20	91 41 5	.001
76SK903	47 39 54	91 48 36	.001	76SK956	47 38 30	91 40 43	.001
76SK904	47 39 54	91 48 50	.001	76SK957	47 38 39	91 40 45	<.001

TABLE 2. GOLD CONTENTS OF 1466 B-HORIZON SOIL SAMPLES FROM THE NORTHWESTERN PART OF THE DULUTH COMPLEX,
NORTHEASTERN MINNESOTA--Continued

Sample	LATITUDE	LONGITUD	AU PPM	Sample	LATITUDE	LONGITUD	AU PPM
76SK958	47 38 13	91 42 13	.001	76SK1004	47 48 58	91 31 52	.001
76SK959	47 38 32	91 42 0	.001	76SK1005	47 50 10	91 34 16	.001
76SK960	47 38 46	91 41 55	.001	76SK1006	47 50 28	91 34 30	.003
76SK961	47 36 1	91 52 47	.002	76SK1007	47 50 42	91 34 37	.001
76SK962	47 35 58	91 53 9	.001	76SK1008	47 50 56	91 34 30	.001
76SK963	47 35 57	91 53 33	.002	76SK1009	47 50 53	91 34 48	.002
76SK964	47 35 46	91 53 50	.001	76SK1010	47 51 11	91 34 41	.003
76SK965	47 35 34	91 54 10	.001	76SK1011	47 51 18	91 34 16	.003
76SK966	47 35 22	91 54 18	<.001	76SK1012	47 51 29	91 34 19	.001
76SK967	47 35 16	91 54 39	.001	76SK1013	47 51 36	91 34 41	.001
76SK968	47 35 9	91 54 59	.002	76SK1014	47 51 22	91 34 59	<.001
76SK969	47 35 3	91 55 21	.002	76SK1015	47 51 40	91 34 59	<.001
76SK970	47 34 54	91 55 46	.001	76SK1016	47 51 54	91 34 52	.017
76SK971	47 34 43	91 56 1	.001	76SK1017	47 52 12	91 34 44	.001
76SK972	47 34 30	91 56 18	.001	76SK1018	47 51 43	91 35 13	.003
76SK973	47 34 16	91 56 30	.001	76SK1019	47 51 29	91 35 28	.003
76SK974	47 34 0	91 56 29	.001	76SK1020	47 51 40	91 35 46	.005
76SK975	47 49 12	91 34 8	<.001	76SK1021	47 51 50	91 35 31	.004
76SK976	47 49 12	91 33 50	.001	76SK1022	47 52 5	91 35 17	.002
76SK977	47 49 1	91 34 8	.002	76SK1023	47 51 40	91 36 7	.002
76SK978	47 49 19	91 33 36	.001	76SK1024	47 51 32	91 36 29	.001
76SK979	47 49 19	91 33 14	.001	76SK1025	47 51 36	91 36 47	<.001
76SK980	47 49 12	91 32 53	.001	76SK1026	47 51 14	91 36 40	<.001
76SK981	47 48 58	91 32 46	.001	76SK1027	47 51 7	91 36 29	.002
76SK982	47 48 54	91 32 35	.001	76SK1028	47 51 7	91 36 7	.002
76SK983	47 48 36	91 32 28	.002	76SK1029	47 50 53	91 35 56	.002
76SK984	47 48 40	91 31 52	<.001	76SK1030	47 50 35	91 35 56	.019
76SK985	47 48 18	91 31 48	<.001	76SK1031	47 51 0	91 35 46	.002
76SK986	47 48 0	91 31 37	<.001	76SK1032	47 51 0	91 35 17	.001
76SK987	47 47 53	91 31 23	.001	76SK1033	47 50 49	91 35 2	.001
76SK988	47 47 42	91 31 41	<.001	76SK1034	47 50 35	91 35 6	.001
76SK989	47 47 46	91 31 55	.001	76SK1035	47 50 20	91 34 55	.002
76SK990	47 47 28	91 31 59	.007	76SK1036	47 50 10	91 34 37	.001
76SK991	47 49 23	91 34 26	<.001	76SK1037	47 50 2	91 34 12	.001
76SK992	47 49 34	91 34 12	.003	76SK1038	47 46 44	91 31 55	.001
76SK993	47 49 48	91 33 58	<.001	76SK1039	47 46 48	91 32 20	<.001
76SK994	47 50 6	91 33 47	.001	76SK1040	47 46 41	91 32 42	<.001
76SK996	47 50 20	91 33 29	.001	76SK1041	47 46 37	91 33 11	.001
76SK997	47 50 13	91 33 7	.001	76SK1042	47 46 59	91 33 11	.002
76SK998	47 50 10	91 32 42	.001	76SK1043	47 47 17	91 33 4	.002
76SK999	47 49 41	91 32 38	<.001	76SK1044	47 47 6	91 32 6	<.001
76SK1000	47 49 59	91 32 38	.001	76SK1045	47 47 24	91 32 17	<.001
76SK1001	47 49 34	91 32 28	.005	76SK1046	47 47 38	91 32 17	.002
76SK1002	47 49 23	91 32 17	.001	76SK1047	47 47 53	91 32 31	.001
76SK1003	47 49 16	91 32 6	.001	76SK1048	47 48 0	91 33 0	<.001

TABLE 2. GOLD CONTENTS OF 1466 B-HORIZON SOIL SAMPLES FROM THE NORTHWESTERN PART OF THE DULUTH COMPLEX,
NORTHEASTERN MINNESOTA--Continued

Sample	LATITUDE	LONGITUD	AU PPM	Sample	LATITUDE	LONGITUD	AU PPM
76SK1049	47 48 4	91 33 25	.001	76SK1070	47 50 31	91 36 25	.005
76SK1050	47 48 18	91 33 36	.001	76SK1071	47 50 6	91 36 11	.002
76SK1051	47 48 43	91 33 36	<.001	76SK1072	47 50 10	91 35 46	.004
76SK1052	47 48 43	91 34 8	.001	76SK1073	47 49 59	91 35 28	.002
76SK837	47 33 42	91 56 29	.001	76SK1074	47 33 36	91 39 40	<.001
76SK838	47 33 27	91 56 24	<.001	76SK1075	47 33 28	91 39 57	.001
76SK839	47 33 15	91 56 9	.001	76SK1076	47 33 18	91 40 7	.001
76SK840	47 33 13	91 55 53	.001	76SK1077	47 40 41	91 51 40	.004
76SK841	47 33 0	91 55 41	.001	76SK1078	47 40 41	91 51 58	.002
76SK842	47 32 44	91 55 38	<.001	76SK1079	47 40 26	91 52 12	<.001
76SK843	47 32 30	91 55 53	<.001	76SK1080	47 40 12	91 52 12	.001
76SK844	47 32 25	91 56 13	<.001	76SK1081	47 40 5	91 52 26	.001
76SK845	47 32 19	91 56 30	<.001	76SK1082	47 39 58	91 52 52	.001
76SK846	47 32 7	91 56 42	.001	76SK1083	47 39 40	91 52 44	.001
76SK847	47 31 52	91 56 44	.001	76SK1084	47 39 29	91 52 8	.001
76SK848	47 31 35	91 56 44	.001	76SK1085	47 39 47	91 52 5	.003
76SK849	47 31 21	91 56 32	.002	76SK1086	47 39 50	91 51 47	.001
76SK850	47 31 4	91 56 32	.001	76SK1101	47 38 35	91 53 56	.001
76SK851	47 30 48	91 56 33	.001	76SK1102	47 38 28	91 53 35	.001
76SK852	47 30 33	91 56 38	.001	76SK1103	47 38 42	91 53 35	.001
76SK853	47 30 14	91 56 40	.001	76SK1104	47 38 6	91 53 42	.001
76SK854	47 30 3	91 56 59	<.001	76SK1105	47 38 13	91 53 24	.001
76SK855	47 30 42	91 56 58	.001	76SK1106	47 37 59	91 53 35	<.001
76SK856	47 30 48	91 57 17	.001	76SK1107	47 37 48	91 53 42	.012
76SK857	47 30 59	91 57 39	.001	76SK1108	47 37 37	91 53 35	.003
76SK858	47 31 8	91 57 57	<.001	76SK1109	47 37 48	91 53 6	.001
76SK859	47 31 18	91 58 10	.001	76SK1110	47 37 59	91 53 2	.001
76SK860	47 31 31	91 58 20	<.001	76SK1111	47 38 10	91 52 59	.001
76SK861	47 31 42	91 58 40	<.001	76SK1112	47 38 24	91 53 10	.001
76SK862	47 31 47	91 59 1	.002	76SK1113	47 38 24	91 52 55	.001
76SK863	47 31 48	91 59 29	.004	76SK1114	47 38 38	91 52 48	<.001
76SK864	47 31 47	91 59 57	.002	76SK1116	47 38 35	91 52 12	.006
76SK1056	47 49 37	91 36 43	.004	76SK1116	47 38 24	91 51 50	.002
76SK1057	47 49 23	91 36 40	.002	76SK1117	47 38 49	91 53 17	.001
76SK1058	47 49 8	91 37 12	.002	76SK1118	47 35 56	91 54 4	<.001
76SK1059	47 48 54	91 37 34	.003	76SK1119	47 36 11	91 54 1	.001
76SK1060	47 48 43	91 37 34	.001	76SK1120	47 36 29	91 54 29	.001
76SK1061	47 48 25	91 37 41	.002	76SK1121	47 36 41	91 54 0	.002
76SK1062	47 49 16	91 36 22	.001	76SK1122	47 36 57	91 53 56	.003
76SK1063	47 49 16	91 36 4	.001	76SK1123	47 37 11	91 53 52	.001
76SK1064	47 49 19	91 35 38	.001	76SK1124	47 37 24	91 53 40	<.001
76SK1065	47 49 5	91 35 20	.001	76SK1125	47 34 53	91 56 1	.001
76SK1066	47 48 58	91 35 6	.002	76SK1126	47 35 9	91 56 6	.001
76SK1068	47 50 2	91 36 36	.003	76SK1127	47 34 19	91 56 41	<.001
76SK1069	47 50 17	91 36 22	.002	76SK1128	47 34 30	91 57 11	.001

TABLE 2. GOLD CONTENTS OF 1466 S-HORIZON SOIL SAMPLES FROM THE NORTHWESTERN PART OF THE DULUTH COMPLEX,
NORTHEASTERN MINNESOTA--Continued

Sample	LATITUDE	LONGITUD	AU PPM	Sample	LATITUDE	LONGITUD	AU PPM
76SK1129	47 34 39	91 57 32	<.001	76SK1141	47 34 11	91 57 48	<.001
76SK1130	47 34 42	91 58 3	<.001	76SK1142	47 33 58	91 57 55	.001
76SK1131	47 34 40	91 58 18	<.001	76SK1143	47 33 55	91 58 18	.001
76SK869	47 23 29	91 40 56	.013	76SK1144	47 34 10	91 58 11	.001
76SK870	47 23 41	91 41 30	<.001	76SK1145	47 33 58	91 57 30	<.001
76SK871	47 23 50	91 41 59	<.001	76SK1146	47 34 9	91 57 17	.001
76SK872	47 23 56	91 42 46	.001	76SK1147	47 34 20	91 57 9	.001
76SK873	47 23 57	91 43 20	.002	76SK1148	47 33 40	91 57 49	<.001
76SK874	47 23 58	91 43 55	.003	76SK1149	47 33 40	91 57 15	.001
76SK875	47 24 3	91 44 32	.001	76SK1150	47 33 40	91 57 34	.002
76SK876	47 24 4	91 45 16	<.001	76SK1151	47 36 51	91 48 38	<.001
76SK877	47 24 5	91 45 54	<.001	76SK1152	47 36 49	91 48 15	.001
76SK878	47 24 1	91 46 29	.001	76SK1153	47 41 20	91 51 40	.001
76SK879	47 24 1	91 47 10	.003	76SK1154	47 40 55	91 51 22	<.001
76SK880	47 24 7	91 47 45	<.001	76SK1155	47 40 41	91 51 11	.001
76SK881	47 23 38	91 47 45	<.001	76SK1156	47 40 26	91 51 14	<.001
76SK882	47 23 25	91 48 9	<.001	76SK1157	47 40 12	91 51 22	.001
76SK883	47 23 11	91 48 29	.001	76SK1158	47 39 54	91 51 32	.001
76SK884	47 23 11	91 49 11	<.001	76SK1159	47 39 40	91 51 36	.004
76SK885	47 23 17	91 50 0	.005	76SK1160	47 39 22	91 51 32	<.001
76SK886	47 23 13	91 50 42	.001	76SK1161	47 39 32	91 51 50	.001
76SK887	47 23 10	91 51 23	.170	76SK1162	47 39 36	91 52 16	.001
76SK888	47 23 10	91 51 59	<.001	76SK1163	47 39 4	91 51 32	<.001
76SK889	47 23 8	91 52 37	.001	76SK1164	47 38 49	91 51 29	<.001
76SK890	47 23 7	91 53 1	.033	76SK1165	47 38 35	91 51 40	<.001
76SK891	47 23 4	91 53 41	.001	76SK1166	47 38 38	91 51 58	.001
76SK892	47 23 32	91 51 49	.002	76SK1167	47 38 28	91 51 50	.001
76SK893	47 23 56	91 51 36	<.001	76SK1168	47 38 10	91 52 5	.001
76SK894	47 24 20	91 51 21	<.001	76SK1169	47 37 55	91 52 16	.025
76SK895	47 24 45	91 51 4	.001	76SK1170	47 37 48	91 52 44	.001
76SK896	47 25 17	91 50 47	<.001	76SK1171	47 37 37	91 53 6	.002
76SK897	47 25 37	91 50 41	.002	76SK1172	47 37 30	91 53 28	<.001
76SK898	47 25 57	91 50 14	.003	76SK1173	47 37 23	91 54 5	.001
76SK899	47 26 28	91 50 10	.003	76SK1174	47 37 20	91 54 27	.001
76SK899A	47 26 52	91 49 50	.001	76SK1175	47 37 15	91 55 11	.001
76SK899B	47 27 6	91 49 17	.002	76SK1176	47 37 6	91 55 33	.001
76SK1132	47 34 53	91 58 35	<.001	76SK1177	47 37 7	91 55 56	<.001
76SK1133	47 34 47	91 59 1	.110	76SK1178	47 37 3	91 56 20	<.001
76SK1134	47 34 38	91 59 20	.001	76SK1179	47 37 0	91 56 41	.001
76SK1135	47 34 33	91 59 41	.001	76SK1180	47 36 55	91 57 5	.003
76SK1136	47 34 29	91 59 59	.001	76SK1181	47 36 50	91 57 28	.002
76SK1137	47 34 36	92 0 15	<.001	76SK1182	47 36 42	91 57 47	.001
76SK1138	47 34 18	91 59 30	<.001	76SK1183	47 36 34	91 58 8	.001
76SK1139	47 34 5	91 59 44	<.001	76SK1184	47 36 26	91 58 29	<.001
76SK1140	47 34 24	91 57 45	.001	76SK1185	47 36 16	91 58 52	<.001

TABLE 2. GOLD CONTENTS OF 1466 B-HORIZON SOIL SAMPLES FROM THE NORTHWESTERN PART OF THE DULUTH COMPLEX, NORTHEASTERN MINNESOTA--Continued

Sample	LATITUDE	LONGITUD	AU PPM	Sample	LATITUDE	LONGITUD	AU PPM
76SK1186	47 36 11	91 59 14	<.001	76SK1256	47 41 6	91 54 4	.002
76SK1187	47 35 59	91 59 36	.002	76SK1257	47 43 59	91 51 11	.001
76SK1188	47 35 59	91 59 59	.001	76SK1258	47 44 2	91 51 36	.002
76SK1208	47 30 17	91 51 30	<.001	76SK1259	47 44 17	91 51 29	.001
76SK1209	47 30 37	91 51 55	.001	76SK1260	47 44 28	91 51 40	<.001
76SK1210	47 30 58	91 52 9	<.001	76SK1261	47 44 35	91 52 1	.001
76SK1211	47 31 36	91 52 19	<.001	76SK1262	47 44 20	91 51 58	.001
76SK1212	47 32 5	91 52 29	<.001	76SK1263	47 44 10	91 51 47	.001
76SK1213	47 32 29	91 52 35	<.001	76SK1264	47 43 52	91 51 54	.001
76SK1214	47 32 54	91 52 37	<.001	76SK1265	47 43 37	91 51 58	.001
76SK1215	47 33 21	91 52 36	.001	76SK1266	47 43 26	91 52 16	.003
76SK1216	47 33 46	91 52 25	<.001	76SK1268	47 42 54	91 52 12	.001
76SK1217	47 34 14	91 52 12	.001	76SK1269	47 43 1	91 52 37	.001
76SK1218	47 34 46	91 51 57	.002	76SK1270	47 45 22	91 52 23	.001
76SK1219	47 35 4	91 52 10	.001	76SK1271	47 45 40	91 52 26	<.001
76SK1220	47 35 23	91 52 26	<.001	76SK1272	47 45 47	91 52 19	.002
76SK1225	47 37 52	91 53 53	.006	76SK1273	47 45 40	91 52 59	.001
76SK1226	47 38 49	91 54 32	<.001	76SK1274	47 45 29	91 52 41	<.001
76SK1227	47 38 42	91 54 58	.001	76SK1275	47 45 7	91 52 1	.001
76SK1228	47 38 31	91 55 19	<.001	76SK1276	47 44 53	91 52 37	.002
76SK1229	47 38 24	91 55 41	.001	76SK1277	47 44 38	91 52 48	.001
76SK1230	47 38 17	91 56 6	.001	76SK1278	47 44 28	91 53 6	.003
76SK1231	47 38 20	91 57 11	<.001	76SK1279	47 44 13	91 53 28	.002
76SK1232	47 38 20	91 57 40	<.001	76SK1280	47 44 20	91 52 44	.001
76SK1233	47 37 59	91 59 56	.001	76SK1281	47 44 6	91 52 48	<.001
76SK1234	47 38 35	91 57 11	.001	76SK1282	47 43 52	91 52 52	<.001
76SK1235	47 38 42	91 57 32	<.001	76SK1283	47 43 34	91 53 10	.006
76SK1236	47 38 49	91 57 11	.001	76SK1284	47 43 41	91 53 31	.002
76SK1237	47 38 53	91 56 53	<.001	76SK1285	47 43 59	91 53 46	.001
76SK1238	47 39 0	91 56 28	<.001	76SK1286	47 44 13	91 54 0	.001
76SK1239	47 39 7	91 55 59	.001	76SK1190	47 35 9	91 56 23	<.001
76SK1240	47 38 53	91 55 48	.001	76SK1191	47 35 23	91 56 3	<.001
76SK1241	47 39 14	91 55 41	<.001	76SK1192	47 35 43	91 56 3	.009
76SK1242	47 39 22	91 55 16	.001	76SK1193	47 33 21	91 57 8	.003
76SK1243	47 39 32	91 54 50	.001	76SK1194	47 33 11	91 57 11	<.001
76SK1244	47 39 50	91 53 31	.002	76SK1195	47 33 3	91 56 55	.002
76SK1246	47 39 22	91 59 28	.006	76SK1196	47 32 55	91 56 51	.002
76SK1247	47 39 36	91 58 55	<.001	76SK1197	47 32 51	91 57 15	.001
76SK1248	47 39 50	91 58 12	.004	76SK1198	47 33 16	91 57 31	<.001
76SK1250	47 40 23	91 57 25	.001	76SK1199	47 33 2	91 57 34	<.001
76SK1251	47 40 26	91 56 49	.002	76SK1300	47 32 45	91 57 46	<.001
76SK1252	47 40 26	91 56 6	.002	76SK1301	47 32 26	91 57 52	.009
76SK1253	47 40 37	91 55 34	<.001	76SK1302	47 32 23	91 58 18	.001
76SK1254	47 40 55	91 55 1	<.001	76SK1303	47 32 14	91 58 36	.008
76SK1255	47 41 2	91 54 22	.001	76SK1304	47 31 58	91 58 39	.001

TABLE 2. GOLD CONTENTS OF 1466 B-HORIZON SOIL SAMPLES FROM THE NORTHWESTERN PART OF THE DULUTH COMPLEX,
NORTHEASTERN MINNESOTA--Continued

Sample	LATITUDE	LONGITUD	AU PPM	Sample	LATITUDE	LONGITUD	AU PPM
76SK1305	47 31 49	92 0 15	<.001	76SK1351	47 42 11	91 50 38	.001
76SK1306	47 32 6	92 0 8	.003	76SK1352	47 42 0	91 50 28	.001
76SK1307	47 32 19	92 0 16	<.001	76SK1353	47 42 7	91 50 56	.002
76SK1308	47 32 31	92 0 29	.001	76SK1354	47 41 53	91 51 0	.001
76SK1309	47 31 57	92 0 37	.001	76SK1355	47 41 42	91 51 14	.002
76SK1311	47 31 26	92 0 31	.008	76SK1356	47 37 23	91 55 19	.002
76SK1312	47 31 16	92 0 41	.001	76SK1357	47 37 34	91 55 19	.002
76SK1313	47 31 1	92 0 45	.001	76SK1358	47 37 16	91 56 5	.001
76SK1314	47 30 56	92 1 6	.006	76SK1359	47 37 30	91 56 20	.002
76SK1315	47 30 54	92 1 33	<.001	76SK1360	47 37 10	91 57 9	.001
76SK1316	47 30 38	92 1 41	.001	76SK1361	47 37 25	91 57 3	.001
76SK1317	47 31 59	92 0 58	.002	76SK1362	47 37 37	91 57 11	.001
76SK1318	47 31 55	92 1 21	<.001	76SK1363	47 37 52	91 56 56	<.001
76SK1319	47 31 50	92 1 41	<.001	76SK1364	47 38 2	91 56 46	.003
76SK1320	47 31 44	92 2 3	.001	76SK1365	47 38 6	91 56 35	.002
76SK1321	47 42 47	91 51 25	.002	76SK1366	47 29 39	91 57 32	<.001
76SK1322	47 42 32	91 51 22	<.001	76SK1367	47 29 42	91 57 2	.001
76SK1323	47 42 18	91 51 29	<.001	76SK1368	47 29 38	91 56 28	<.001
76SK1324	47 42 7	91 51 40	.001	76SK1369	47 29 43	91 55 58	<.001
76SK1325	47 41 53	91 51 54	<.001	76SK1370	47 29 51	91 55 21	.001
76SK1326	47 41 38	91 51 47	<.001	76SK1371	47 29 58	91 54 50	.001
76SK1327	47 43 5	91 51 11	.004	76SK1373	47 29 40	91 58 16	.001
76SK1328	47 43 16	91 51 0	<.001	76SK1379	47 29 29	91 59 33	.001
76SK1329	47 43 23	91 50 42	.018	76SK1380	47 29 20	92 0 8	<.001
76SK1330	47 43 41	91 50 6	.001	76SK1381	47 29 28	92 0 37	.001
76SK1331	47 43 44	91 50 20	<.001	76SK1382	47 29 31	92 1 4	.002
76SK1332	47 43 37	91 50 31	.001	76SK1382	47 29 16	92 1 43	.004
76SK1333	47 43 23	91 50 46	.001	76SK1384	47 29 18	92 2 22	.001
76SK1334	47 43 52	91 49 44	<.001	76SK1385	47 29 19	92 2 57	<.001
76SK1335	47 44 6	91 49 37	.001	76SK1386	47 29 9	92 3 24	.001
76SK1336	47 44 13	91 49 30	<.001	76SK1387	47 29 11	92 3 59	<.001
76SK1337	47 43 55	91 49 23	.010	76SK1388	47 29 22	92 4 31	<.001
76SK1338	47 43 52	91 49 12	.004	76SK1389	47 29 35	92 4 55	.003
76SK1339	47 43 41	91 49 41	.002	76SK1390	47 29 53	92 5 21	<.001
76SK1340	47 43 26	91 49 52	.001	76SK1391	47 29 57	92 5 54	<.001
76SK1341	47 43 16	91 49 52	<.001	76SK1392	47 30 16	92 6 14	<.001
76SK1342	47 43 8	91 49 44	.010	76SK1393	47 30 33	92 6 42	<.001
76SK1343	47 42 58	91 49 44	.002	76SK1394	47 30 57	92 6 54	.001
76SK1344	47 43 5	91 49 23	.001	76SK1395	47 31 3	92 6 17	.005
76SK1345	47 43 12	91 49 8	.001	76SK1396	47 31 5	92 7 24	.001
76SK1346	47 42 58	91 50 6	.002	76SK1397	47 29 36	92 4 1	.001
76SK1347	47 42 47	91 49 34	.004	76SK1398	47 29 50	92 3 32	<.001
76SK1348	47 42 40	91 50 13	.002	76SK1401	47 36 16	91 58 4	.001
76SK1349	47 42 32	91 50 35	.003	76SK1402	47 36 4	91 58 3	.003
76SK1350	47 42 22	91 50 49	.001	76SK1403	47 36 44	91 58 12	.001

TABLE 2. GOLD CONTENTS OF 1466 B-HORIZON SOIL SAMPLES FROM THE NORTHWESTERN PART OF THE DULUTH COMPLEX,
NORTHEASTERN MINNESOTA--Continued

Sample	LATITUDE	LONGITUD	AU PPM	Sample	LATITUDE	LONGITUD	AU PPM
76SK1404	47 37 0	91 58 6	.001	77BR56	47 25 43	91 43 19	.001
76SK1405	47 37 15	91 58 9	.001	77BR57	47 25 18	91 43 58	.002
76SK1406	47 37 24	91 57 49	<.001	77BR58	47 25 26	91 43 21	.001
77AL201	47 36 2	92 1 5	<.001	77BR59	47 25 44	91 42 15	.001
77AL202	47 36 1	92 0 38	<.001	77BR60	47 25 49	91 41 39	.001
77AL203	47 36 2	92 0 13	.001	77BR61	47 25 46	91 41 4	.001
77AL204	47 36 17	92 1 9	<.001	77BR62	47 29 17	91 39 49	.019
77AL205	47 36 2	92 1 29	.001	77BR63	47 29 10	91 40 11	.001
77AL206	47 35 53	92 1 21	<.001	77BR63A	47 28 53	91 40 26	.001
77AL207	47 35 35	92 1 33	.001	77BR65	47 27 42	91 39 31	<.001
77AL208	47 35 18	92 1 19	.004	77BR66	47 25 33	91 40 19	.001
77AL209	47 35 8	92 1 29	.001	77BR69	47 27 46	91 48 8	<.001
77AL210	47 34 59	92 1 48	.008	77BR70	47 28 7	91 47 47	.001
77AL211	47 35 25	92 1 55	.001	77BR75	47 28 31	91 47 21	.001
77AL212	47 35 24	92 2 15	.001	77BR76	47 28 46	91 46 56	.001
77AL213	47 35 23	92 2 38	.001	77BR77	47 28 44	91 46 18	.001
77AL214	47 35 24	92 3 0	<.001	77BR150	47 28 13	91 51 49	.001
77AL215	47 35 35	92 3 53	<.001	77BR151	47 27 59	91 52 19	.001
77AL215A	47 35 47	92 3 8	<.001	77BR152	47 27 42	91 51 41	<.001
77AL217	47 36 0	92 2 55	.001	77BR153	47 27 17	91 52 5	.002
77AL102	47 35 33	92 6 58	.001	77BR154	47 27 31	91 52 39	.001
77AL103	47 35 6	92 7 12	.001	77BR155	47 27 9	91 47 39	.001
77AL104	47 35 3	92 6 35	.001	77BR156	47 27 35	91 47 14	.001
77AL105	47 34 59	92 5 59	<.001	77BR157	47 27 58	91 46 56	<.001
77AL106	47 34 22	92 6 5	<.001	77BB1	47 31 20	91 50 48	.001
77AL107	47 34 55	92 5 22	.001	77BB2	47 31 43	91 50 52	.001
77AL110	47 35 13	92 4 7	<.001	77BB3	47 32 0	91 50 30	.001
77AL111	47 35 18	92 3 27	.001	77BB4	47 32 19	91 50 8	.002
77AL113	47 33 35	92 7 3	<.001	77BB5	47 32 37	91 49 54	<.001
77AL114	47 33 53	92 6 32	<.001	77BB6	47 32 43	91 50 27	.004
77AL115	47 34 5	92 5 49	.002	77BB7	47 32 21	91 50 51	.001
77AL116	47 34 15	92 5 17	.001	77BB8	47 32 2	91 51 25	.001
77AL117	47 33 18	92 6 28	<.001	77BB9	47 31 42	91 51 49	.001
77AL118	47 33 55	92 3 16	.002	77BB10	47 31 27	91 52 11	<.001
77AL119	47 33 53	92 3 57	.001	77BB11	47 31 15	91 51 48	.001
77AL121	47 33 10	92 5 9	.001	77BB12	47 30 54	91 51 59	.001
77AL122	47 33 4	92 5 54	.001	77BB13	47 31 15	91 51 20	<.001
77AL123	47 32 52	92 6 37	<.001	77BB14	47 32 50	91 59 55	<.001
77BR49	47 24 31	91 45 23	.001	77BB15	47 34 13	92 0 20	.001
77BR50	47 24 58	91 45 21	.001	77BB16	47 33 47	92 0 25	.001
77BR51	47 24 53	91 44 48	.001	77BB17	47 33 56	92 0 47	.002
77BR52	47 25 6	91 44 5	.001	77BB18	47 33 50	92 1 10	<.001
77BR53	47 25 31	91 44 32	.002	77BB19	47 33 7	92 1 28	.001
77BR54	47 26 6	91 44 35	.016	77BB20	47 32 46	92 1 34	.001
77BR55	47 25 44	91 43 55	<.001	77BB21	47 34 54	91 59 50	<.001

TABLE 2. GOLD CONTENTS OF 1466 B-HORIZON SOIL SAMPLES FROM THE NORTHWESTERN PART OF THE DULUTH COMPLEX,
NORTHEASTERN MINNESOTA--Continued

Sample	LATITUDE	LONGITUD	AU PPM
77BB22	47 35 4	91 59 22	.001
77BB23	47 32 53	91 55 7	<.001
77BB24	47 33 4	91 54 49	<.001
77BB25	47 33 14	91 54 40	.004
77BB26	47 33 17	91 54 13	.001
77BB27	47 33 16	91 53 55	.003
77BA1	47 35 33	91 53 48	.001
77BA2	47 35 37	91 53 27	.001
77BA3	47 35 41	91 53 4	.001
77BA4	47 35 44	91 52 40	.001
77GR44	47 38 18	91 31 49	.001
77GR49	47 38 0	91 31 23	<.001
77GR50	47 37 37	91 31 40	<.001
77GR51	47 37 35	91 32 20	.003
77GR56	47 37 7	91 32 27	.001
77GR57	47 36 37	91 32 38	.001
77GR58	47 36 21	91 33 21	.001
77GR59	47 35 53	91 33 21	.001
77GR60	47 35 29	91 33 20	.001
77GR61	47 35 3	91 33 14	.001
77GR62	47 32 40	91 39 54	<.001
77GR64	47 32 27	91 40 48	.001
77GR65	47 32 18	91 41 28	<.001
77GR66	47 32 4	91 41 57	.001
77GR67	47 33 28	91 38 39	.002
77GR68	47 30 2	91 39 25	<.001