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GOLD CONTENT OF OVERBURDEN SAMPLES IN THE ABITIBI CLAY BELT ONTARIO – QUEBEC

By

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INTRODUCTION

This Open File contains data on the gold content of Quaternary sediments in the Abitibi Clay Belt. It supplements Open File 116 (Skinner, 1972a), which contained data on the Cu, Pb, Zn, Co, Ni, and Ag contents of the same samples and Lalonde and LaSalle (1982) which presented results of a similar study in the Quebec part of the Clay Belt. The original samples were collected during an overburden drilling project in the winter of 1971-72. Archived remnants of heavy mineral fractions of some of these samples were analyzed for gold. N.L. Szabo (Cominco Ltd.) suggested the project, retrieved the samples from the archives, and supplied the results of gold analyses. His assistance is gratefully acknowledged.

METHODS

The samples were collected with a reverse circulation drilling system, the details of which are described in Skinner (1972a). Although the full thickness of till, gravel, and sand was sampled at most sites, the samples that have been analyzed for gold were mostly from the lowest unit in the sequence, and in many cases were from the interval directly overlying bedrock.

The analyzed fractions were sand-sized heavy minerals that were recovered from the original samples by sieving and by separation in methylene iodide (s.g. = 3.3). Gold determinations were done by atomic absorption after HBr-Br_2-DIBK extraction. Because most of the samples were small (0.2-2.0 g), the detection limit for the method was 100 ppb. In addition, because the samples contain relatively small numbers of grains, the presence or absence of a few gold grains will have a strong influence on the analytic result for each sample (Riddle, 1983). Analytic precision is estimated at ± 15% at 2000 ppb and ± 25% at 200 ppb.

RESULTS

Gold data are given in Table 1 along with the sediment type and depth interval of each sample. Because the drilling program was divided into project areas, each sample number consists of two letters for the project area, up to two numbers for the drillhole, and up to two numbers for each sample within any hole. For example, FH-11-17 is sample 17 in the 11th hole of the Frederick House project area. The letter E or J following the sample number denotes a non-magnetic or magnetic heavy mineral fraction, respectively. Sediment types are identified by letters: T - till; G - gravel; S - sand; C - clay; Z - silt; and R - rock. Data on the stratigraphy and trace element contents of sediments in each drillhole are available in Skinner (1972a).

The maximum gold content for each site is plotted on the accompanying maps. There is one map for each project area.

The bulk of the gold results are low; only a few of the values are above the threshold given by Gray (1983) of 3000 ppb for gold in heavy minerals from till in this region. The main reason for the low gold levels is that most drilling sites chosen for the original project were in areas favourable for the detection of dispersal from base metal deposits, not gold deposits. Despite this problem, a small number of samples have relatively high gold levels (>1000 ppb), many of which can be explained with reference to known bedrock sources. For example, high gold levels in drillholes FH-89 and TA-9 are within the Kidd Creek dispersal train, which extends several kilometres southwards from the Kidd Creek ore deposit (Skinner, 1972b). High levels in holes MN-13 and MN-17 in the Munro project area are probably related to gold occurrences in Beatty Township. In the Rivière Héva and Harricana-Amos project areas, high gold levels in holes RH-7, RH-22, and HA-5 are probably related to nearby known gold occurrences. More difficult to explain are the high gold levels in the Duprat (hole DT-8), Mattagami

esker (holes ME-4, 11, and 13), and Normetal (hole NO-11) project areas, where known mineralization is mainly copper-zinc. Highest among these is a result of 35 000 ppb in hole ME-4, which was drilled a short distance north of the Bourlamaque batholith and is down-ice from copper-zinc and copper-gold occurrences in Senneville Township.

Ice-flow directions for till and paleocurrent directions for esker sediments are necessary data for tracing the anomalous gold levels back to bedrock sources. The directions are generalized from Prest et al. (1967) and Tremblay (1974) as follows: Frederick House, Timmins Airport, and Munro project areas – southwards to southeastwards; Normétal, Duparquet, Duprat, Harricana-Amos, Rivière Héva, Vassan-Deshaies, and Siscoe project areas – south-southeastwards; Mattagami esker project area – south-southwestwards to southwestwards. It must be noted that ice-flow and paleocurrent directions deduced from surface geomorphology and striae cannot be used with confidence to interpret transport directions of old sediments deep in the sequence and not related to surface features. Users of this open file are referred to Skinner (1972a) for information on the stratigraphy for each drillhole, from which they can interpret whether or not the units analyzed for gold are related to surface transport directions. In detailed follow-up work on older units, mapping the abundances of distinctive local rocks and erratics present in such units may provide evidence of provenance and ice-flow directions.

An important factor influencing the interpretation of the high gold levels is the fact that most of them are in gravel and sand units, not in till. The gold in gravels and sands is probably present in small, discontinuous placers (and possibly in secondary grains) that have been recycled from gold-bearing till. Detailed overburden drilling is required to find the gold in till and ultimately its source in bedrock.

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Table 1: Gold content of heavy minerals from Quaternary sediments, Timmins–Val d'Or region.

Frederick House project area; Kidd, Wark, Gowan, Prosser, Tully, and Little Tps., Ontario.

SAMPLE NUMBER	SEDIMENT TYPE	DEPTH INTERVAL (m)	GOLD (ppb)
FH-2 – 18E	T	45.45 – 46.06	<100
FH-3 – 10E	G	22.57 – 24.10	<100
FH-5 – 11E	G	30.50 – 33.55	<100
FH-7 – 13E	S	33.55 – 36.60	670
FH-8 – 16J	G	42.70 – 43.01	<100
FH-9 – 8J	G	33.55 – 34.77	<100
FH-10 – 23E	G	67.10 – 68.02	120
FH-11 – 17E	G	41.17 – 42.09	460
FH-13 – 19E	S	36.60 – 39.65	<100
FH-14 – 10E	G	36.60 – 37.21	<100
FH-15 – 23E,24E	G	44.53 – 46.36	<100
FH-16 – 15E	T	34.77 – 35.08	130
FH-17 – 12E	T	25.32 – 26.54	<100
FH-18 – 9E,10E	T	38.13 – 41.18	370
FH-19 – 10E	G	28.36 – 29.89	<100
FH-20 – 6E	G	24.10 – 24.71	110
FH-21 – 23E,24E	G	65.88 – 68.02	160
FH-22 – 18E	T	52.16 – 52.77	<100
FH-23 – 11E	G	28.06 – 30.81	<100
FH-24 – 38E,38J	G	66.79 – 67.71	200
FH-25 – 27E	T	53.68 – 54.29	<100
FH-26 – 16E,17E	S-T	39.65 – 40.87	<100
FH-27 – 41E,42E	G-T	81.13 – 83.88	<100
FH-28 – 22E	T	43.92 – 46.36	<100
FH-29 – 30E	G	64.97 – 66.19	<100
FH-31 – 16E,17E,18E	T-G	22.87 – 24.55	4320
FH-32 – 12E	G	19.83 – 20.44	<100
FH-33 – 7E	G	14.03 – 14.79	<100
FH-34 – 6E,7E	G	10.37 – 12.35	<100
FH-41 – 4E	G	14.96 – 15.40	<100
FH-42 – 3E	G	12.81 – 14.18	<100

SAMPLE NUMBER	SEDIMENT TYPE	DEPTH INTERVAL (m)	GOLD (ppb)
FH-43 – 1E	T	.91 – 1.83	<100
FH-44 – 9E	T	14.64 – 15.86	<100
FH-45 – 10E	T	30.19 – 30.50	<100
FH-47 – 27E	S	28.97 – 30.50	110
FH-48 – 16E	G	22.27 – 23.64	<100
FH-51 – 47E,48E	G-T	71.37 – 72.90	<100
FH-52 – 22E	T	40.87 – 41.48	<100
FH-53 – 21E	G	48.50 – 49.11	410
FH-54 – 22E,23E	T	41.48 – 43.92	<100
FH-55 – 7E	T	23.03 – 23.79	<100
FH-55 – 8E	G	23.79 – 24.10	<100
FH-56 – 5E,6E	G	23.18 – 25.01	490
FH-58 – 9E	T	13.12 – 13.73	<100
FH-59 – 9E	T	13.12 – 13.73	<100
FH-59 – 10E	T	13.72 – 14.03	<100
FH-60 – 18E	T	21.05 – 21.66	370
FH-60 – 19E	T	21.65 – 21.96	<100
FH-61 – 7E	G	25.71 – 25.93	280
FH-62 – 4E,5E,6E	G	11.59 – 13.12	140
FH-63 – 11E	G	22.88 – 23.49	<100
FH-63 – 12E	G	23.49 – 24.10	<100
FH-64 – 3E	G	10.98 – 12.20	<100
FH-64 – 4E	G	12.20 – 14.34	340
FH-65 – 18E	R	30.19 – 30.50	<100
FH-66 – 30E	T	37.37 – 38.13	<100
FH-66 – 31E	T	38.13 – 39.35	180
FH-67 – 34E	T	43.01 – 44.23	140
FH-67 – 35E	T	44.23 – 45.45	190
FH-68 – 38E	G	52.46 – 54.60	200
FH-70 – 13E	G	28.37 – 28.98	330
FH-70 – 15E	G	29.58 – 30.50	410
FH-71 – 8E	G	18.76 – 20.74	<100
FH-71 – 9E	G	20.74 – 21.05	<100
FH-72 – 15E	T	24.54 – 25.15	<100
FH-72 – 16E	T	27.15 – 27.76	260

SAMPLE NUMBER	SEDIMENT TYPE	DEPTH INTERVAL (m)	GOLD (ppb)
FH-73 – 15E	G	40.57 – 41.18	<100
FH-74 – 20E,21E	T	33.13 – 33.55	<100
FH-75 – 26E,28E	G	51.24 – 53.53	260
FH-76 – 23E	G	50.63 – 52.31	<100
FH-76 – 24E,25E	G-T	52.31 – 55.51	210
FH-77 – 10E	S	31.11 – 34.01	<100
FH-77 – 11E	G	34.01 – 34.16	<100
FH-78 – 17E	T	45.75 – 46.67	360
FH-78 – 21E	T	48.49 – 48.80	<100
FH-78 – 19E	T	44.23 – 44.85	390
FH-79 – 6E	G	21.66 – 22.88	190
FH-80 – 7E	G	22.72 – 24.55	<100
FH-81 – 5E	G	14.64 – 14.95	160
FH-82 – 16E	T	25.62 – 26.23	<100
FH-82 – 18E	T	26.53 – 27.45	<100
FH-83 – 18E, 22E	T	21.05 – 24.71	<100
FH-83 – 23E	T	24.71 – 25.32	<100
FH-84 – 7E	T	10.07 – 10.68	<100
FH-85 – 35E	G	48.49 – 49.10	320
FH-85 – 37E	G	50.02 – 50.94	310
FH-85 – 38E	G	50.46 – 51.55	110
FH-86 – 9E	T	26.23 – 26.84	<100
FH-86 – 10E	T	26.84 – 27.45	180
FH-87 – 8E	G	28.37 – 28.98	190
FH-87 – 9E	G	28.98 – 29.59	390
FH-88 – 6E	T	26.23 – 26.84	700
FH-89 – 16E	G	36.29 – 37.21	2790
FH-89 – 19E	T	37.21 – 37.82	450

Timmins Airport project area; Murphy and Jessop Tps., Ontario

TA-1 – 16E,17E	G	24.10 – 25.93	<100
TA-2 – 16E	S	32.94 – 34.16	110
TA-3 – 19E	G	34.77 – 35.69	220

SAMPLE NUMBER	SEDIMENT TYPE	DEPTH INTERVAL (m)	GOLD (ppb)
TA-3 – 21E	G	35.99 – 36.30	110
TA-4 – 10E,11E	S	28.06 – 29.59	130
TA-6 – 19E	S	36.91 – 38.13	110
TA-7 – 13E	G	38.12 – 38.73	<100
TA-8 – 9E	G	23.48 – 24.40	240
TA-9 – 71E,72E	G	98.51 –100.04	2320
TA-10 – 28E	T	27.76 – 28.98	270
TA-10 – 29E	T	28.97 – 29.89	<100
TA-10 – 30E	T	29.89 – 30.81	<100
TA-11 – 31E	G	38.12 – 38.43	190
TA-12 – 37E,38E,39E	G	43.61 – 45.14	100
TA-13 – 13E,14E	G	30.81 – 32.64	<100
TA-14 – 14E	G	36.91 – 38.13	<100
TA-14 – 15E	G	38.12 – 38.73	120
TA-15 – 8E	S	22.57 – 22.88	<100

Munro project area; Munro, Beatty, Hislop, and Guibord Tps., Ontario

MN-1 – 33J,34J	T	57.04 – 58.26	170
MN-2 – 13E,14E	T	32.63 – 35.38	<100
MN-3 – 5E,5J	G	29.28 – 29.59	180
MN-4 – 4E,5E	S	12.50 – 16.47	170
MN-5 – 14E	G	33.85 – 36.60	<100
MN-7 – 2E	T	6.10 – 6.41	<100
MN-8 – 19E,20E	T	20.44 – 22.27	<100
MN-9 – 9E	S	9.45 – 11.59	<100
MN-10 – 2E	G	3.66 – 4.88	<100
MN-11 – 1E	T	7.62 – 8.08	300
MN-12 – 21E	T	24.25 – 25.32	300
MN-12 – 22E	T	25.32 – 26.54	<100
MN-13 – 17E	T	21.35 – 22.57	200
MN-13 – 18E	T	22.57 – 23.79	5960
MN-14 – 10E	G	16.47 – 17.69	<100
MN-14 – 11E	T	17.69 – 18.30	<100

SAMPLE NUMBER	SEDIMENT TYPE	DEPTH INTERVAL (m)	GOLD (ppb)
MN-15 – 12E	T	14.03 – 15.25	<100
MN-15 – 13E	T	15.25 – 15.71	<100
MN-16 – 10E	T	21.35 – 22.88	<100
MN-16 – 11E	T	22.88 – 24.10	<100
MN-17 – 17E	T	31.72 – 32.94	1850
MN-17 – 18E	T	32.94 – 34.16	110
MN-18 – 33E,35E	T-S	42.09 – 45.45	190

Normetal project area; Desmeloises Tp., Quebec and Sargeant and Hepburn Tps., Ontario.

NO-2 – 3E,4E	S-R	7.63 – 10.07	<100
NO-4 – 8E	S	17.99 – 18.91	<100
NO-4 – 9E	G	21.05 – 22.27	<100
NO-5 – 5E	S	9.46 – 11.90	120
NO-6 – 7E	T	14.03 – 14.64	<100
NO-6 – 9E	G	15.25 – 17.08	<100
NO-7 – 5E	T	11.74 – 12.81	130
NO-8 – 7E	S	13.11 – 15.25	<100
NO-8 – 8E	S	15.25 – 16.17	<100
NO-9 – 1E	G	6.71 – 8.08	<100
NO-10 – 4E,5E	G	4.58 – 5.80	150
NO-11 – 10E,11E	G	17.54 – 20.44	6280
NO-12 – 5E	T	9.00 – 9.61	<100
NO-12 – 6E	G	9.61 – 11.29	<100
NO-13 – 5E	G	5.49 – 6.10	880
NO-13 – 7E	G	6.41 – 7.63	<100
NO-14 – 11E	T	28.37 – 29.59	<100
NO-14 – 12E	T	29.59 – 30.81	150
NO-15 – 9E	T	17.23 – 17.84	220
NO-15 – 12E	T	20.13 – 23.79	<100
NO-17 – 4E	G	10.68 – 11.29	110
NO-18 – 7E	G	14.34 – 16.32	<100
NO-18 – 5J	G	11.59 – 12.20	420
NO-18 – 7J	G	14.34 – 16.32	720

SAMPLE NUMBER	SEDIMENT TYPE	DEPTH INTERVAL (m)	GOLD (ppb)
NO-19 – 13E	G	21.35 – 21.50	<100
NO-20 – 2E	G-T	1.52 – 3.66	<100
NO-21 – 1E	S	.92 – 3.36	<100
NO-21 – 2E	S	4.12 – 4.27	<100
NO-22 – 4E	G	11.29 – 11.90	<100
NO-22 – 4J	G	11.29 – 11.90	150
NO-23 – 15E	S	30.80 – 32.94	110
NO-24 – 7E	S	14.64 – 15.86	<100
NO-24 – 8E	S	15.86 – 18.00	<100
NO-25 – 11J,12J,13J	G	18.45 – 22.57	<100
NO-26 – 11E,13E	T	18.91 – 21.35	250
NO-28 – 1E,2E	T-C	2.59 – 3.66	120
NO-30 – 17E	T	27.60 – 28.67	<100
NO-30 – 18E	T	28.67 – 29.59	<100
NO-31 – 28E	S	46.21 – 46.67	<100
NO-31 – 29E	S	46.67 – 47.28	240
NO-32 – 4E,9E	G-T	12.36 – 13.73	<100
NO-33 – 12E	T	17.39 – 18.00	<100
NO-33 – 13E	T	18.00 – 18.61	120
NO-34 – 3E,3J	G	8.39 – 10.68	330
NO-35 – 2E	G	4.27 – 4.88	<100
NO-36 – 4E	S	8.54 – 10.98	<100
NO-36 – 5E	G	10.98 – 11.59	<100
NO-37 – 7E	G	23.64 – 25.01	<100
NO-37 – 9E	G	25.31 – 28.06	<100
NO-38 – 10E,11E	G	15.40 – 19.37	<100

Duparquet project area; Roquemaure, Palmarolle, Hebecourt, and Duparquet Tps., Quebec

DU-6 – 11E	G	25.01 – 29.28	<100
DU-7 – 3E	G	5.41 – 6.71	<100
DU-8 – 8E,8J,9J	T	16.78 – 18.00	<100

SAMPLE NUMBER	SEDIMENT TYPE	DEPTH INTERVAL (m)	GOLD (ppb)
DU-9 – 6E	T	12.50 – 14.03	<100
DU-9 – 7E	T	14.03 – 17.69	<100
DU-10 – 4E	S	9.46 – 12.51	<100
DU-11 – 7E	T	12.20 – 12.96	<100
DU-12 – 19E	S	28.22 – 30.81	<100
DU-14 – 24E	T	43.00 – 44.53	<100
DU-14 – 25E	T	44.53 – 45.14	<100
DU-16 – 5E	S-C	10.83 – 11.44	<100
DU-16 – 6E	S-C	11.44 – 12.05	<100
DU-17 – 10E,10J	S-C	25.92 – 26.99	300
DU-18 – 3E	S	12.51 – 15.56	150
DU-19 – 2E,3J	G-S	1.39 – 6.12	250
DU-20 – 5E	S-C	7.02 – 12.05	<100
DU-20 – 6E,7E	G	12.50 – 17.84	<100
DU-21 – 13E,14E	T-G	24.71 – 28.37	290
DU-22 – 4E	G	10.37 – 13.42	<100
DU-25 – 2E,3E	S-T	12.65 – 17.23	190

Duprat project area; Duprat Tp., Quebec

DT-1 – 4E	T	12.20 – 12.51	300
DT-1 – 5E	R	12.51 – 13.12	<100
DT-1 – 4J	T	12.20 – 12.51	110
DT-2 – 6E	S	15.86 – 17.54	<100
DT-3 – 5E	T	14.03 – 15.56	<100
DT-4 – 5E	S	6.10 – 13.73	<100
DT-4 – 7E	T	16.47 – 16.78	<100
DT-5 – 5E	G	17.69 – 18.30	130
DT-6 – 3E	S	14.03 – 14.95	<100
DT-6 – 5E	G	16.47 – 17.39	180
DT-7 – 4E	S	12.81 – 14.95	<100
DT-8 – 5E	S	18.91 – 21.96	<100
DT-8 – 6E	S	21.96 – 23.94	1490
DT-9 – 1E	G	1.07 – 3.05	<100

SAMPLE NUMBER	SEDIMENT TYPE	DEPTH INTERVAL (m)	GOLD (ppb)
DT-9 – 2E	S	3.05 – 4.58	<100
DT-10 – 1E,2E	S	.61 – 6.1	<100

Harricana-Amos project area; Figuery Tp., Quebec

HA-3 – 3E	G	10.37 – 11.59	<100
HA-5 – 6E	G	14.03 – 15.56	6350
HA-7 – 5E	G	8.54 – 9.76	<100
HA-8 – 6E	G	14.34 – 14.95	<100
HA-12 – 19E	T	28.06 – 28.37	<100
HA-13 – 19E,21E	G	33.25 – 36.91	320
HA-20 – 7E	G	18.91 – 19.22	140
HA-21 – 4E	S	9.46 – 12.51	150

Rivière Héva project area; Malartic Tp., Quebec

RH-1 – 4E,4J	G	7.01 – 7.47	<100
RH-2 – 4E,5E	G	8.85 – 10.07	<100
RH-3 – 3E	G	4.88 – 5.64	<100
RH-6 – 2E,3E	G	1.52 – 3.66	<100
RH-7 – 4E	G	11.59 – 12.20	<100
RH-7 – 5E	G	13.12 – 14.34	3680
RH-9 – 4E	G	18.30 – 18.76	170
RH-9 – 5E	G	19.67 – 20.13	130
RH-10 – 3E	S	9.76 – 11.59	<100
RH-11 – 1E	Z	3.97 – 6.41	<100
RH-12 – 4E	G	11.89 – 13.42	200
RH-12 – 5E	G	13.42 – 14.03	240
RH-14 – 4E	S	11.59 – 13.12	120
RH-15 – 1E	S	2.44 – 6.41	<100
RH-17 – 12E	G	22.87 – 23.79	<100
RH-19 – 4E,5E	S	11.28 – 17.69	120
RH-21 – 3E	G	5.49 – 5.64	<100

SAMPLE NUMBER	SEDIMENT TYPE	DEPTH INTERVAL (m)	GOLD (ppb)
RH-22 – 3E	G	6.71 – 8.85	1360
RH-23 – 3E	G	7.32 – 8.24	140

Vassan-Deshaies and Siscoe project areas, Vassan Tp., Quebec

VD-1 – 5E,6E	G	11.59 – 13.73	230
VD-2 – 4E	G	6.10 – 6.71	130
VD-3 – 4J	G	11.89 – 14.64	<100
VD-5 – 4J	G	7.32 – 8.54	180
VD-6 – 3E	G	6.71 – 7.93	160
VD-7 – 4E	G	3.66 – 11.29	260
VD-7 – 4J	G	3.66 – 11.29	<100
VD-8 – 6E,9E	G	12.20 – 16.17	120
VD-9 – 5E	G	11.90 – 13.12	<100
VD-9 – 6E	T	13.88 – 14.03	190
VD-10 – 5E	G	10.68 – 11.29	<100
VD-11 – 4E	G	11.74 – 12.20	<100
VD-13 – 4E	G	7.02 – 7.78	<100
VD-14 – 5E	G-T	7.01 – 7.32	<100
SS-2 – 2E,5J	G	3.05 – 10.07	150
SS-4 – 8J,9J,14J	G	17.08 – 26.84	170
SS-5 – 5J	T	12.81 – 13.42	350
SS-6 – 5J,6J	G	16.47 – 18.61	270
SS-7 – 10J	G	23.49 – 24.71	290
SS-9 – 3J	G	12.20 – 13.12	250
SS-10 – 5J	G	8.23 – 9.15	200

Mattagami esker project area; Senneville Tp., Quebec

ME-1 – 4E	S	11.89 – 12.81	<100
ME-1 – 5E	S	22.88 – 23.49	<100
ME-2 – 7E	S	20.13 – 23.79	<100

SAMPLE NUMBER	SEDIMENT TYPE	DEPTH INTERVAL (m)	GOLD (ppb)
ME-2 – 8E	G	23.79 – 25.62	<100
ME-3 – 15E	G	33.55 – 35.38	<100
ME-3 – 16E	S	35.38 – 37.21	130
ME-4 – 15E,16E	G	36.60 – 41.48	35000
ME-5 – 26E	G	30.81 – 31.42	<100
ME-5 – 30E	G	61.30 – 61.61	<100
ME-7 – 14E	G	30.81 – 32.64	250
ME-7 – 15E	G	32.63 – 33.55	<100
ME-8 – 4J,5J	S-G	15.56 – 17.39	180
ME-9 – 6J	G	16.47 – 17.84	230
ME-10 – 12E	T	23.94 – 24.25	<100
ME-10 – 14E	T	24.40 – 24.86	130
ME-11 – 7E	G	19.98 – 20.13	1410
ME-12 – 5E	G	18.30 – 19.52	<100
ME-12 – 6E	G	19.52 – 19.83	140
ME-13 – 18E	S	49.41 – 53.68	230
ME-13 – 20E	S	56.12 – 57.65	1250
ME-14 – 8E,9E	G	21.96 – 32.03	210
ME-15 – 6E,7E	S	28.67 – 30.81	320
ME-16 – 3E,3J	G	6.10 – 8.85	<100
ME-17 – 2E,3E	G	21.05 – 25.32	180
ME-18 – 8E	G	20.59 – 20.74	390