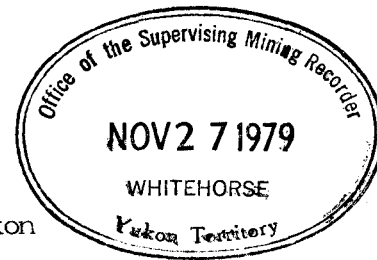




Indian and
Northern Affairs

Affaires indiennes
et du Nord



P. O. Box 269
Watson Lake, Yukon
YOA 1C0

22 November, 1979

Your file Votre référence

Our file Notre référence

REGIONAL DIRECTOR RESOURCES

Attention: Supervising Mining
Recorder

RESTRICTED

Enclosed for your files are Diamond Drill Logs submitted by Amax of Canada Limited for assessment on the PIG, PIGGY, MORN, SEVEN, etc., claims located on claim sheet 105-B-1. One hole was drilled to a depth of 1,927 feet on Morn 1. Total cost of the program was \$61,151.91.

Drill core is being stored at drill site on Morn 1.

Yours truly,

V. W. Johanson
Mining Recorder
Watson Lake Mining District

PLM
Encl.
cc: Regional Geologist

091098



Indian and
Northern Affairs

Affaires indiennes
et du Nord



P. O. Box 269
Watson Lake, Yukon
YOA 1C0

6 December, 1979

Your file *125.134*
Votre référence

Our file Notre référence

REGIONAL DIRECTOR RESOURCES

Attention: Supervising Mining
Recorder

RESTRICTED

RE: Diamond Drilling - PIG, PIGGY, MORN, SEVEN, etc.

Enclosed are assay results submitted by Amax of Canada Limited to be attached to Diamond Drill Logs forwarded to you on 22 November, 1979.

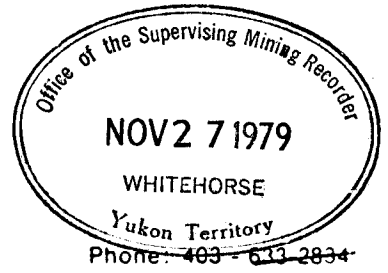
Yours truly,

V. W. Johanson
Mining Recorder
Watson Lake Mining District

PLM
Attach
cc: Regional Geologist

091098

Amity Drilling Limited



10 - 12th Avenue,
Whitehorse, Yukon
Y1A 4J4

Contract Diamond Drilling

OCT 23 1979

VANCOUVER OFFICE

Invoice Number	Drilling Date	Amount	Invoice Date	Amount
973	-	86810	10/25/79	22,357.78
973	-	86870		99850
973	-	86920		21820
				23,574.48

Invoice #151

September 30, 1979

IN ACCOUNT WITH:

Amax Potash Limited
#601 - 535 Thurlow St.
Vancouver, B.C.

Drilling charges September 14 - 30th, 1979 (Boulder Creek Project).

973

Mobilization Charge:

(Re: Clause 11 of Contract) $\frac{1}{2} \times \$2,500.00 =$

\$ 1,250.00

Moving In:

Labour

258.5 man hrs. @ \$14.75 per hr. =

\$ 3,812.88

Truck

5 days @ \$50.00 per day (4x4) =

\$ 250.00

23 hrs. @ \$25.00 per hr. (5 ton) =

575.00

825.00

4,637.88

Hole: 1x75°xNQ:

Reaming Cave & Sand

2 man hrs. @ \$14.75 per hr. =

\$ 29.50

1 machine hr. @ \$7.50 per hr. =

7.50

\$ 37.00

Waterline & Digging Sump

227 man hrs. @ \$14.75 per hr. =

3,348.25

Testing

2 man hrs. @ \$14.75 per hr. =

\$ 29.50

1 machine hr. @ \$7.50 per hr. =

7.50

37.00

Casing

0-20=20 ft. @ \$22.10 (NW) per ft. =

442.00

Coring

12-500=488 ft. @ \$20.10 per ft. =

\$9,808.80

500-631=131 ft. @ \$21.35 per ft. =

2,796.85

12,605.65

16,469.90

SUPPLIES CHARGEABLE:

96 only NQ core boxes @ \$6.50 ea. =

\$ 624.00

40 only BQ core boxes @ \$6.30 ea. =

252.00

50 only core box lids @ \$2.45 ea. =

122.50

4 only 100 lb. propane @ \$20.80 =

83.20

1,081.70

Board (Company Representative)

Sept. 22 - 30/79

9 days @ \$15.00 per day =

135.00

TOTAL INVOICE

\$23,574.48

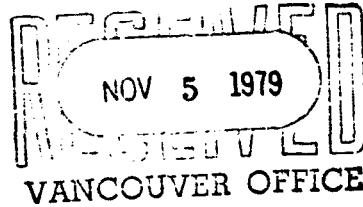
OK to pay
Ted Fuller

Amity Drilling Limited

10 - 12th Avenue.
Whitehorse, Yukon
Y1A 4J4

Contract Diamond Drilling
AMAX

668 2595
Phone: 403 - 633-2834



Invoice # 152

October 20, 1979

IN ACCOUNT WITH:
Amax Potash Limited
#601 - 535 Thurlow St.
Vancouver, B.C.

Drilling charges October 1 - 20, 1979. (Boulder Creek Project)

Hole: 1x75°xNQ/BQ

Moving

6 man hrs. @ \$14.75 per hr. = \$ 88.50

Reducing NQ to BQ

31 man hrs. @ \$14.75 per hr. = \$ 457.25
15.5 machine hrs. @ \$7.50 per hr. = 116.25 573.50

Reaming Cave & Sand

36 man hrs. @ \$14.75 per hr. = \$ 531.00
18 machine hrs. @ \$7.50 per hr. = 135.00 666.00

Waterline

86.5 man hrs. @ \$14.75 per hr. = 1,275.88

Mud & Circulation Time

44 man hrs. @ \$14.75 per hr. = \$ 649.00
22 machine hrs. @ \$7.50 per hr. = 165.00 814.00

Testing

13 man hrs. @ \$14.75 per hr. = \$ 191.75
6.5 machine hrs. @ \$7.50 per hr. = 48.75 240.50

Coring

631-1000=369 ft. @ \$21.35 (NQ) per ft. = 7,878.15
1000-1415=415 ft. @ \$22.85 (NQ) per ft. = 9,482.75
1415-1500=85 ft. @ \$20.45 (BQ) per ft. = 1,738.25
1500-1927=427 ft. @ \$21.45 (BQ) per ft. = 9,159.15 28,258.30 \$31,916.68

Moving Out

Labour

165 man hrs. @ \$14.75 per hr. = \$ 2,433.75

Truck

2 days @ \$50.00 per day (4x4) = 100.00 2,533.75

Demobilization Charge:

(Re: Clause 11 of Contract) $\frac{1}{2}$ x\$2,500.00 = 1,250.00

Red Fuller

Amity Drilling Limited

AMAX

Contract Diamond Drilling

NOV 5 1979

Phone: 403 - 633-2834

10 - 12th Avenue.
Whitehorse, Yukon

Y1A 4J4

Invoice # 152 (Cont.)

VANCOUVER OFFICE

SUPPLIES CHARGEABLE:

4 only 100 lb. propane @ \$20.80 ea. =	\$ 83.20	
8 only pails poly drill @ \$141.90 ea. =	<u>1,135.20</u>	1,218.40

Left in hole:

1 only NW shoe #92844 @ \$197.20 ea. =	\$ 197.20	
2 only NW 10' casing @ \$110.70 ea. =	<u>221.40</u>	<u>418.60</u>
		1,637.00

BOARD

October 1-18/79

17 days less 1 day overcharged (Sept. 22-30)

=16 days @ \$15.00 per day =

240.00

TOTAL INVOICE

\$37,577.43

(Total Contract = 1,927 ft.)

Red Fuller

Appendix III

DIAMOND DRILL SPECIFICATIONS BC-79-1

Collar: Latitude 130° 25' 45"W
 Longitude 60° 08' 05"N
 UTM 09Z 42065E 666708N



Collar Elevation: 1485 m
 Total Depth: 587.5 m
 Depth Casing: 6.1 m
 Depth Overburden: .7 m
 Core Size NQ 3.7 - 431.4 m 91% Recovery
 BQ 431.4 - 587.5 m 100% Recovery

Drilling Contractor: Amity Drilling, Whitehorse
 Commenced Drilling: September 23, 1979
 Completed Drilling: October 16, 1979
 Logged By: E. A. Fuller

Survey:	Depth (m)	Dip	Bearing	Method
	0	75°	325°	Brunton compass
	152.7	75°	-	Acid dip test
	304.8	80°	-	Acid dip test
	380.0	78° - 80°	-	Acid dip test
	442.0	79°	313°	Sperry-Sun single shot
	459.3	80°	-	Acid dip test
	584.3	79°	-	Sperry-Sun single shot

Appendix IV

DRILL LOGS BC79-1

Meterage	Description
0.0 - 3.7	not cored, overburden, fractured limestone
3.7 - 43.6	interlayered grey and brown limestones with phyllite partings
43.6 - 73.5	dark grey crenulated contorted phyllite
73.5 - 130	interlayered grey limestone (50%) and dark grey phyllite (50%)
130 - - 161	grey limestone with brecciated zones at 153, 154, 157, and 159 m, trace scheelite in quartz-calcite and quartz-flourite veins from 127 - 165.9 m
161 - 188	dark green chlorite phyllite with calcite veinlets and two grey limestone beds, trace scheelite in calcite veins and disseminated in rock from 165.9 - 298.5 m
188 - 199	light green calcsilicate with quartz, mica, epidote, amphibole, retains phyllite texture and fine crenulations in part, disseminated scheelite in calcsilicate layers
199 - 201.9	brown phyllite
201.9 - 202.6	calcsilicate
202.6 - 211	hard, black, cherty diopside skarn
211 - 242	brown phyllite hornfels with < 0.1% scheelite in calcite veins and disseminated, 3 cm thick quartz-sphalerite vein at 232.3 m
242 - 306.6	spotted muscovite phyllite with secondary biotite porphyroblasts, galena-sphalerite-chalcopyrite-pyrite vein at 260.7 m, scheelite-molybdenite in green diopside-calcite skarn at 278.5, quartz-calcite-flourite-molybdenite veins at 297.3 and 304.5 m

DRILL LOGS BC79-1 (continued)

Meterage	Description
306.6 - 341	olive green diopside-garnet-amphibole-calcite skarn interlayered with black, cherty phyllite and grey, crystalline marble, <0.1% scheelite with patchy distribution in skarn from 307.6 to 324 m
341 - 366.5	white wollastonite-pink garnet skarn with spotted phyllite interlayered, quartz-flourite-molybdenite-sphalerite vein at 345 m, 10 cm of 0.1% scheelite disseminated in sulphide layer 15 molybdenite veins from 357 - 563.1 m
366.5 - 379.5	spotted biotite phyllite
379.5 - 403	wollastonite-garnet skarn
403 - 408.5	calcite-garnet skarn with 0.1% scheelite from 401.9 - 408.4 m
408.5 - 477.5	biotite spotted muscovite phyllite with 5 scheelite veins from 410 - 470 m
477.5 - 491.7	brown crenulated phyllite
491.7 - 510	grey, crystalline marble layers with medium green diopside, green tremolite, and brown garnet
510 - 514	epidote-calcite skarn
514 - 523	grey, crystalline marble
523 - 530.5	epidote-calcite skarn
530.5 - 537.5	grey, crystalline marble
537.5 - 546.8	epidote-calcite skarn
546.8 - 548.8	fine-grained white granite aplite dyke
548.8 - 553	garnet-calcite skarn
553 - 566	green, streaky, cherty hornfels with garnet layers, granite aplite veins at 555.3 and 556.3 m, brecciated phyllite from 557.3 - 559.5 m

DRILL LOGS BC79-1 (continued)

<u>Meterage</u>	<u>Description</u>
566 - 584.1	interlayered grey, crystalline marble (70%) and garnet-calcite skarn (30%), trace disseminated molybdenite from 565.7 - 567.1 m in garnet-calcite skarn, four galena-sphalerite veins from 578.2 - 584.1 m
584.1 - 584.3	green epidote skarn
584.3 - 587.3	phyllitic brown cherty hornfels
587.3	end of hole

GEOCHEMICAL RESULTS
BC79-1

<u>Sample Number</u>	<u>Interval (m)</u>	<u>Tungsten (W-ppm)</u>
60151	78-80	25
60152	80-82	5
60153	82-84	0
60154	126-128	5
60155	128-130	0
60156	130-132	15
60157	132-134	5
60158	134-136	2
60159	136-138	0
60160	138-140	25
60161	140-142	0
60162	142-144	135
60163	144-146	0
60164	164-166	90
60165	166-168	180
60166	168-170	350
60167	170-172	105
60168	186-188	0
60169	194-196	15
60170	196-198	5
60171	198-200	12
60172	200-202	15
60173	202-204	60
60174	204-206	30
60175	206-208	25
60176	208-210	2
60177	210-212	135
60178	212-214	12
60179	214-216	10
60180	216-218	0
60181	218-220	10
60182	220-222	0
60183	222-224	18
60184	224-226	175
60185	226-228	0
60186	228-230	120
60187	230-232	5
60188	232-234	18
60189	234-236	5
60190	236-238	10
60191	238-240	0
60192	240-242	45
60193	242-244	70
60194	244-246	30
60195	246-248	45
60196	248-250	18
60197	250-252	15
60198	252-254	225
60199	254-256	20
60200	256-258	30

<u>Sample Number</u>	<u>Interval (m)</u>	<u>Tungsten (W-ppm)</u>
60201	258-260	0
60202	260-262	12
60203	262-264	20
60204	264-266	0
60205	266-268	15
60206	268-270	350
60207	270-272	135
60208	272-274	40
60209	274-276	0
60210	276-278	50
60211	278-280	105
60212	280-282	20
60213	296-298	15
60214	298-300	0
60215	300-302	30
60216	302-304	5
60217	304-306	0
60218	306-308	18
60219	308-310	55
60220	310-312	130
60221	312-314	210
60222	314-316	380
60223	316-318	210
60224	318-320	195
60225	320-322	50
60226	322-324	165
60227	324-326	12
60228	326-328	80
60229	328-330	350
60230	330-332	210
60231	332-334	150
60232	334-336	80
60233	336-338	45
60234	338-340	80
60235	340-342	200
60236	343-344	>400
60237	344-346	225
60238	346-348	225
60239	348-350	225
60240	350-352	195
60241	352-354	180
60242	354-356	225
60243	356-358	250
60244	358-360	225
60245	360-362	210
60246	362-364	180
60247	364-366	20
60248	366-368	400
60249	368-370	180
60250	370-372	50
60251	372-374	210
60252	374-376	30

<u>Sample Number</u>	<u>Interval (m)</u>	<u>Tungsten (W-ppm)</u>
60253	376-378	225
60254	378-380	240
60255	380-382	195
60256	382-384	300
60257	384-386	210
60258	386-388	210
60259	388-390	350
60260	390-392	120
60261	392-394	18
60262	394-396	0
60263	396-398	0
60264	398-400	0
60265	400-402	70
60266	402-404	210
60267	404-406	>400
60268	406-408	350
60269	408-410	50
60270	410-412	60
60271	412-414	120
60272	414-416	5
60273	416-418	0
60274	418-420	20
60275	420-422	120
60276	422-424	0
60277	424-426	20
60278	426-428	75
60279	428-430	25
60280	430-432	65
60281	432-434	50
60282	434-436	120
60283	436-438	45
60284	438-440	65
60285	440-442	70
60286	442-444	255
60287	444-446	>400
60288	446-448	135
60289	448-450	>400
60290	450-452	120
60291	452-454	25
60292	454-456	5
60293	456-458	150
60294	458-460	0
60295	490-492	20
60296	492-494	0
60297	494-496	0
60298	496-498	0
60299	498-500	0
60300	500-502	0
60301	502-504	0
60302	504-506	0
60303	506-508	0

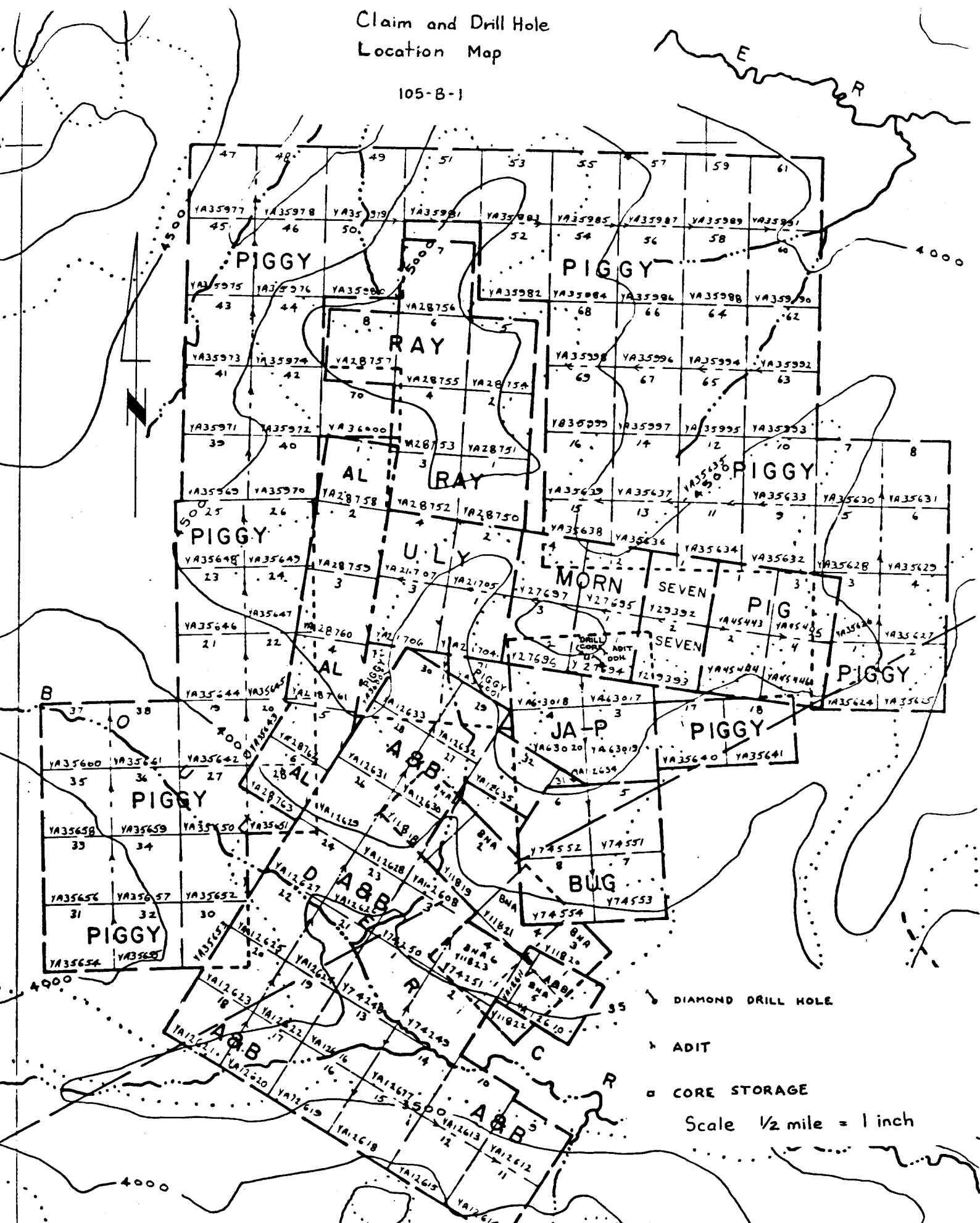
<u>Sample Number</u>	<u>Interval (m)</u>	<u>Tungsten (W-ppm)</u>
60304	508-510	0
60305	510-512	0
60306	512-514	0
60307	514-516	0
60308	516-518	0
60309	518-520	0
60310	520-522	0
60311	522-524	0
60312	524-526	0
60313	526-528	0
60314	528-530	0
60315	530-532	5
60316	532-534	0
60317	534-536	0
60318	536-538	0
60319	538-540	0
60320	540-542	18
60321	542-544	0
60322	544-546	0
60323	546-548	165
60324	548-550	75
60325	550-552	0
60326	552-554	20
60327	554-556	60
60328	556-558	25
60329	558-560	20
60330	560-562	20
60331	562-564	10
60332	564-566	60
60333	566-568	250
60334	568-570	12
60335	570-572	15
60336	572-574	20
60337	574-576	30
60338	576-578	15
60339	578-580	20
60340	580-582	25
60341	582-584	50
60342	584-586	55
60343	586-587.3	20

Σ193 samples

total W Σ15277
average g 79

Claim and Drill Hole Location Map

105-B-1



- ◆ DIAMOND DRILL HOLE
- ▲ ADIT
- CORE STORAGE

Scale 1/2 mile = 1 inch