



STATE OF ALASKA
DEPARTMENT OF NATURAL RESOURCES

Alaska Geologic Materials Center *Data Report No. 380*



No. 380: 1974 control survey report for Orange Hill, Alaska



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WILLIAM H. SMITH
SURVEYING CONSULTANT
PHONE 307-878-3638

P.O. BOX 684
171 E. FLAMING GORGE WAY
GREEN RIVER, WYOMING 82638

NORTHWEST EXPLORATIONS
ORANGE HILL, ALASKA
DRILL HOLES

Page #1 of 17
Job #1-74
June 29, 1974

Drill Hole Number	Local Coords.	Elevation	Remarks
D-3	N 75,001.0 E 50,055.2	2913.2	one shot only no check on position
DH 6	N 75,767.8 E 52,014.1	3413.4	
DH 7	N 75,462.4 E 52,034.0	3413.8	one shot only no check on position
DH 8	N 75,568.9 E 51,468.4	3337.2	one shot only no check on position
DH 9	N 75,159.2 E 51,666.1	3365.9	
DH 10	N 74,897.9 E 51,636.2	3363.3	
DH 11	N 74,015.2 E 51,731.3	3354.7	one shot only no check on position
DH 11 A	N 74,036.8 E 51,697.4	3344.0	one shot only no check on position
DH 12	N 74,095.4 E 51,390.4	3300.6	one shot only no check on position
DH 13	N 74,741.5 E 52,202.7	3442.5	
DH 14	N 74,106.2 E 52,318.6	3448.5	
DH 16	N 73,419.1 E 52,480.9	3459.2	one shot only no check on position
DH 17	N 73,548.0 E 51,680.1	3319.3	one shot only no check on position

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171 E. FLAMING GORGE WAY
GREEN RIVER, WYOMING 82938

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ORANGE HILL, ALASKA
DRILL HOLES

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Job #1-74
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Drill Hole Number	Local Coords.	Elevation	Remarks
DH 18	N 73,080.5 E 51,973.7	3339.3	one shot only no check on position
DH 19	N 72,815.0 E 51,487.8	3320.8	one shot only no check on position
DH 20	N 73,158.8 E 51,212.8	3320.3	one shot only no check on position
DH 21	N 72,994.8 E 50,926.8	3355.4	one shot only no check on position (approximate location) shot at stake
DH 24	N 74,211.4 E 49,762.5	2904.4	one shot only no check on position
DH 25	N 72,976.7 E 49,500.6	2891.1	one shot only no check on position
DH 26	N 73,408.0 E 50,855.8	3350.9	one shot only no check on position
DH 27	N 74,573.7 E 51,368.2	3294.1	one shot only no check on position
DH 28	N 75,007.8 E 52,040.9	3419.3	one shot only no check on position
DH 29	N 73,647.1 E 50,824.0	3333.5	one shot only no check on position
DH 30	N 72,708.4 E 50,814.8	3379.3	one shot only no check on position

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WILLIAM H. SMITH
SURVEYING CONSULTANT
PHONE 307-878-3638

P.O. BOX 684
171 E. FLAMING GORGE WAY
GREEN RIVER, WYOMING 82908

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ORANGE HILL, ALASKA
DRILL HOLES

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Job #1-74
June 29, 1974

Drill Hole Number	Local Coords.	Elevation	Remarks
DH 31	N 73,268.6 E 52,216.4	3380.8	one shot only no check on position
DH 32	N 73,727.6 E 50,527.4	3394.7	one shot only no check on position
DH 33	N 75,089.1 E 51,307.7	3283.6	one shot only no check on position
DH 34	N 73,863.2 E 52,166.0	3433.1	
DH 35	N 73,058.7 E 52,637.6	3468.5	one shot only no check on position
DH 37	N 75,382.1 E 51,501.4	3357.7	
DH 101	N 74,295.9 E 48,633.4	2870.3	one shot only no check on position

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WILLIAM H. SMITH
SURVEYING CONSULTANT
PHONE 307-875-3638

P.O. BOX 884
171 E. FLAMING GORGE WAY
GREEN RIVER, WYOMING 82938

NORTHWEST EXPLORATIONS
ORANGE HILL, ALASKA
DIAMOND DRILL HOLES

Page #4 of
Job #1-74
June 29, 1974

Drill Hole Number	Local Coords.	Elevation	Remarks
DDH BCM #1	N 74,573.7 E 49,840.1	2900.6	one shot only no check on position
DDH BCM #2	N 73,857.2 E 49,663.1	2895.1	one shot only no check on position
DDH DuVal #1	N 71,678.5 E 52,792.1	3527.2	one shot only no check on position
DDH 102	N 75,115.1 E 52,022.2	3416.5	one shot only no check on position
DDH 103	N 74,294.3 E 52,625.0	3472.0	one shot only no check on position
DDH 104	N 72,771.0 E 52,860.3	3480.1	one shot only no check on position
DDH 106	N 71,794.6 E 51,780.6	3320.6	
DDH 107	N 74,902.8 E 52,400.4	3509.0	
DDH 108	N 74,505.9 E 51,704.1	3370.5	one shot only no check on position
DDH 109	N 73,514.9 E 51,861.5	3341.6	
DDH 110	N 75,187.4 E 53,326.1	3758.7	
DDH 111	N 74,422.2 E 53,348.7	3786.0	

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WILLIAM H. SMITH
SURVEYING CONSULTANT
PHONE 307-878-3638

P.O. BOX 884
171 E. FLAMING GORGE WAY
GREEN RIVER, WYOMING 82938

**NORTHWEST EXPLORATIONS
ORANGE HILL, ALASKA
DIAMOND DRILL HOLES**

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Job #1-74
June 29, 1974

Drill Hole Number	Local Coords.	Elevation	Remarks
DDH 112	N 71,055.5 E 50,256.0	2904.1	one shot only no check on position
DDH 113	N 76,054.2 E 53,818.4	3903.1	
DDH 114	N 72,633.9 E 52,199.8	3353.2	one shot only no check on position
DDH 115	N 71,620.2 E 52,303.2	3348.8	shot by Wally McGregor at drill site
DDH 115	N 71,616.1 E 52,301.2	3353.1	shot by George Johnson at drill site
DDH 116	N 71,938.5 E 49,673.8	2898.1	one shot only no check on position

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WILLIAM H. SMITH
SURVEYING CONSULTANT
PHONE 307-875-3638

P.O. BOX 884
171 E. FLAMING GORGE WAY
GREEN RIVER, WYOMING 82908

NORTHWEST EXPLORATIONS
ORANGE HILL, ALASKA
SURVEY POINTS

Page #6 of
Job #1-74
June 29, 1974

Drill Hole Number	Local Coords.	Elevation	Remarks
P-1	N 72,986.3 E 51,199.7	3338.8	shot beside a 4 x 4 wooden post
P-2	N 73,397.0 E 51,764.5	3335.8	shot at side of wooden post
P-3	N 73,493.4 E 52,406.7	3454.2	one shot only no check on position shot on top of wooden post 2.5' high
P-4	N 74,518.3 E 52,377.9	3484.0	point on rock North 6" of post
P-5	N 74,740.2 E 51,513.2	3373.2	
P-6	N 74,207.3 E 51,147.9	3302.8	
P-7	N 75,581.0 E 51,821.3	3379.1	one shot only no check on position
P-9	N 75,838.9 E 50,660.8	3072.9	one shot only no check on position shot at base of wooden post
P-10	N 75,174.2 E 50,503.6	3032.5	one shot only no check on position shot at base of post 3.0' above ground
P-11	N 73,190.4 E 49,545.3	2898.3	one shot only no check on position

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WILLIAM H. SMITH
SURVEYING CONSULTANT
PHONE 307-878-3838

P.O. BOX 884
171 E. FLAMING GORGE WAY
GREEN RIVER, WYOMING 82808

NORTHWEST EXPLORATIONS
ORANGE HILL, ALASKA
SURVEY POINTS

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Drill Hole Number	Local Coords.	Elevation	Remarks
P-12	N 72,793.3 E 52,853.4	3484.6	one shot only no check on position shot at base of post
P-13	N 74,881.9 E 50,962.3	3041.0	one shot only no check on position
P-15	N 71,772.8 E 54,153.5	4032.5	one shot only no check on position
P-16 also Control Point "Sheep"	N 77,551.5 E 54,917.1	4426.8	one shot only no check on position 6" spike and tag; built small rock cairn around point
P-17	N 72,294.4 E 54,726.5	4476.1	one shot only no check on position 1' ² flat rock on limestone knob
P-18	N 69,988.3 E 52,315.7	3512.0	
P-19	N 72,203.8 E 50,495.7	3399.2	one shot only no check on position
P-20	N 74,563.4 E 51,869.9	3405.9	one shot only no check on position + 1' SE of 3' deep hole
P-21	N 72,161.7 E 54,866.2	4456.4	one shot only no check on position

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WILLIAM H. SMITH
SURVEYING CONSULTANT
PHONE 307-878-3638

P.O. BOX 884
171 E. FLAMING GORGE WAY
GREEN RIVER, WYOMING 82908

NORTHWEST EXPLORATIONS
ORANGE HILL, ALASKA
SURVEY POINTS

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June 29, 1974

Drill Hole Number	Local Coords.	Elevation	Remarks
P-22 also (IP) M-42 W	N 70,720.4 E 49,477.3	2901.0	one shot only no check on position shot on nail
P-23 also (IP) N-36 W	N 70,010.2 E 49,818.2	2910.3	one shot only no check on position shot on nail
P-24	N 70,072.3 E 50,599.3	2955.1	one shot only no check on position shot on nail
P-25	N 70,639.4 E 50,507.4	2956.6	one shot only no check on position
P-26	N 71,272.1 E 51,405.8	3267.5	one shot only no check on position shot on nail
P-27	N 72,115.1 E 50,052.8	3183.6	one shot only no check on position shot on nail
P-28	N 72,332.6 E 49,981.0	3223.5	one shot only no check on position shot on nail at base lone snag tree
P-29	N 72,747.5 E 49,620.6	3004.0	one shot only no check on position shot on nail
P-30	N 67,963.4 E 51,658.9	3538.5	one shot only no check on position shot on nail

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WILLIAM H. SMITH
SURVEYING CONSULTANT
PHONE 307-878-3638

P.O. BOX 884
171 E. FLAMING GORGE WAY
GREEN RIVER, WYOMING 82938

NORTHWEST EXPLORATIONS
ORANGE HILL, ALASKA
SURVEY POINTS

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Drill Hole Number	Local Coords.	Elevation	Remarks
P-31	N 68,139.8 E 51,184.6	3410.9	one shot only no check on position shot on nail
P-32	N 68,800.3 E 51,830.0	3346.0	one shot only no check on position shot on nail
P-33	N 68,638.7 E 50,904.6	3224.0	one shot only no check on position
P-34	N 68,497.4 E 50,768.0	3090.6	one shot only no check on position
P-36	N 71,254.4 E 50,227.8	3016.8	one shot only no check on position shot on marked rock; small pile and metal tag in bush \pm 1'-2' Easterly
P-37			See: Airstrip-South end of
P-38	N 76,189.2 E 51,372.6	3242.9	one shot only no check on position shot on nail North edge road
P-39	N 77,773.5 E 51,479.5	3094.4	one shot only no check on position shot on nail (North end of Moose Ridge)

NORTHWEST EXPLORATIONS
ORANGE HILL, ALASKA
ADDITS AND MISCELLANEOUS CONTROL POINTS

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Drill Hole Number	Local Coords.	Elevation	Remarks
Airstrip-South end of also P-37	N 75,584.3 E 48,964.5	2876.4	one shot only no check on position centerline and shot on nail \pm 50' wide
Cook Tent (NW Corner)	N 76,544.4 E 49,455.2	2872.7	one shot only no check on position
Topo Spot Elevation High Point on Orange Hill	N 73,210.0 E 50,510.0	3510.0	basis of coordinate and elevation datum

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WILLIAM H. SMITH
SURVEYING CONSULTANT
PHONE 307-878-3638

P.O. BOX 884
171 E. FLAMING GORGE WAY
GREEN RIVER, WYOMING 82905

NORTHWEST EXPLORATIONS
ORANGE HILL, ALASKA
ADDITS AND MISCELLANEOUS CONTROL POINTS

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Drill Hole Number	Local Coords.	Elevation	Remarks
Addit "B"	N 72,559.1 E 49,563.7	2922.2	one shot only no check on position on centerline and at first timber set
Addit "J"	N 71,095.9 E 55,613.0	4862.2	one shot only no check on position estimated 5' above floor level of Addit "J" and 3' NW of North wall of Addit. Shot cross on rock 0.4' higher than first shot
Addit "J" Portal	N 71,095.6 E 55,613.0	4861.6	one shot only no check on position
Upper Addit "E" Skarn	N 72,847.8 E 53,041.4	3556.2	one shot only no check on position 1" x 1" stake (shot at stake)
Air Mag Feduciary Point	N 75,708.0 E 52,576.3	3571.3	one shot only no check on position shot at corner of white cross
Airstrip-North end of	N 77,311.1 E 48,880.7	2868.5	one shot only no check on position centerline \pm small pile stone and flag- ging \pm 45' wide

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WILLIAM H. SMITH
SURVEYING CONSULTANT
PHONE 307-875-3638

P.O. BOX 684
171 E. FLAMING GORGE WAY
GREEN RIVER, WYOMING 82938

NORTHWEST EXPLORATIONS
ORANGE HILL, ALASKA
CLAIM CORNERS, MILLSITE CORNER, AND USLM

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Job #1-74
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Drill Hole Number	Local Coords.	Elevation	Remarks
Patent Claim California #1 (Corner #4-SE Corner)	N 73,282.4 E 52,557.9	3469.9	one shot only no check on position point shot is survey nail on 4 x 4 post 1½' high in top post
Camp Bird (Corner #3-NE Corner)	N 75,014.1 E 51,579.3	3348.2	one shot only no check on position shot at 4 x 4 post corner has skidded South probably sever- al feet
Copper King North Extension #1 (Corner #2)	N 72,276.2 E 55,304.2	4755.0	one shot only no check on position 1.8' high; shot on nail; point might have slipped downhill
Copper King North Extension #1 Witness Corner to Corner #4-SW Corner	N 71,108.1 E 55,171.9	4601.0	one shot only no check on position
Glacier Claim (SW Corner)	N 72,245.8 E 49,509.5	2902.8	one shot only no check on position rock cairn
Patent Claim Corner Mill Site	N 74,586.8 E 49,855.7	2901.7	one shot only no check on position shot on top of 1' high post
Patent Claim Corner Nabesna (NW Corner) Orange Hill (SW Corner)	N 73,451.6 E 49,463.1	2898.0	one shot only no check on position shot on nail at top of post 1½' high

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WILLIAM H. SMITH
SURVEYING CONSULTANT
PHONE 307-878-3638

P.O. BOX 884
171 E. FLAMING GORGE WAY
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NORTHWEST EXPLORATIONS
ORANGE HILL, ALASKA
IP STATIONS

Page #14 of
Job #1-74
June 29, 1974

Drill Hole Number	Local Coords.	Elevation	Remarks
(IP) B-6 E	N 76,478.8 E 54,824.5	4303.1	one shot only no check on position
(IP) B-9 E	N 76,414.7 E 55,100.3	4402.9	one shot only no check on position
(IP) C-0	N 75,818.3 E 54,381.8	4154.5	one shot only no check on position
(IP) C-6 E	N 75,653.9 E 54,888.5	4397.0	
(IP) D-0	N 75,303.2 E 54,198.1	4089.3	one shot only no check on position
(IP) D-6 E	N 75,173.2 E 54,725.1	4341.4	one shot only no check on position
(IP) D-21+08 W	N 75,782.1 E 52,216.6	3482.2	one shot only no check on position
(IP) DuVal	N 71,057.7 E 50,410.9	2981.9	one shot only no check on position shot at $\frac{1}{2}$ " x $1\frac{1}{2}$ " lath
DuVal (IP) Station (proposed drill site)	N 72,404.0 E 51,510.1	3336.7	one shot only no check on position
DuVal (IP) Survey Point	N 74,787.8 E 50,527.8	3199.6	one shot only no check on position
(IP) E-6 W	N 74,957.1 E 53,259.9	3737.8	one shot only no check on position

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WILLIAM H. SMITH
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PHONE 307-878-3638

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171 E. FLAMING GORGE WAY
GREEN RIVER, WYOMING 82938

NORTHWEST EXPLORATIONS
ORANGE HILL, ALASKA
CLAIM CORNERS, MILLSITE CORNER AND USLM

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Job #1-74
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Drill Hole Number	Local Coords.	Elevation	Remarks
Patent Claim Orange Hill #1 (Corner #2-NW Corner) Patent Claim Orange Hill (NE Corner)	N 73,368.4 E 51,011.6	3320.6	one shot only no check on position shot on nail at top post (elevation may not be to closest foot)
Orange Hill #1 (Corner #4-SE Corner)	N 72,147.7 E 52,166.0	3344.1	one shot only no check on position shot beside badly weathered post
USLM #1414	N 74,449.3 E 50,488.0	3298.7	one shot only no check on position shot at center of rock cairn 1' above ground

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WILLIAM H. SMITH
SURVEYING CONSULTANT
PHONE 307-878-3638

P.O. BOX 884
171 E. FLAMING GORGE WAY
GREEN RIVER, WYOMING 82938

NORTHWEST EXPLORATIONS
ORANGE HILL, ALASKA
IP STATIONS

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Drill Hole Number	Local Coords.	Elevation	Remarks
(IP) J-0 also (Becky #3 and #4 NE Corner Becky #3)	N 70,985.9 E 53,744.8	3903.3	this position checks ± approximately 2' and this data should NOT be used to extend survey
(IP) J-45 W	N 72,174.8 E 49,685.9	2994.0	one shot only no check on position
(IP) K-0	N 70,539.4 E 53,717.0	3864.2	one shot only no check on position
(IP) K-39 W	N 71,778.9 E 50,137.6	3165.7	one shot only no check on position
(IP) L-12 W	N 70,393.3 E 52,237.7	3459.6	one shot only no check on position
(IP) L-21 W	N 70,688.1 E 51,416.7	3292.9	one shot only no check on position
(IP) L-48 W	N 71,536.5 E 48,947.7	2892.8	one shot only no check on position
(IP) M-4 W	N 69,571.0 E 52,979.7	3580.2	one shot only no check on position
(IP) N-1.5 E	N 68,839.0 E 53,248.4	3623.2	shot on 6" spike
(IP) N-15 W	N 69,352.1 E 51,771.7	3319.4	one shot only no check on position

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WILLIAM H. SMITH
SURVEYING CONSULTANT
PHONE 307-878-3638

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NORTHWEST EXPLORATIONS
ORANGE HILL, ALASKA
IP STATIONS

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Drill Hole Number	Local Coords.	Elevation	Remarks
(IP) E-9 E	N 74,544.2 E 54,636.0	4243.2	one shot only no check on position
(IP) E-18 W	N 75,282.2 E 52,099.2	3435.4	one shot only no check on position
(IP) F-0	N 73,365.3 E 54,427.8	4235.1	one shot only no check on position
(IP) F-6 E	N 73,225.9 E 54,962.3	4498.1	
(IP) F-30 W	N 74,246.9 E 51,696.9	3363.5	one shot only no check on position
(IP) G-0	N 72,787.3 E 54,328.6	4148.2	one shot only no check on position
(IP) G-6 E	N 72,653.8 E 54,796.6	4453.5	
(IP) H-0	N 72,219.8 E 53,928.0	3928.8	one shot only no check on position
(IP) H-9 E	N 72,015.2 E 54,695.4	4333.0	one shot only no check on position
(IP) I-0	N 71,148.5 E 55,212.9	4617.0	one shot only no check on position
(IP) I-27 W	N 71,988.0 E 52,895.0	3548.1	the position discrepancy dictates that this point should NOT be used to extend surveyed locations

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WILLIAM H. SMITH
SURVEYING CONSULTANT
PHONE 307-878-3838

P.O. BOX 684
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GREEN RIVER, WYOMING 82908

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ORANGE HILL, ALASKA
IP STATIONS

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June 29, 1974

Drill Hole Number	Local Coords.	Elevation	Remarks
(IP) 0-0	N 68,297.8 E 52,884.8	3603.8	one shot only no check on position shot on nail
(IP) P-0	N 68,055.6 E 51,996.4	3567.5	one shot only no check on position shot on nail
(IP) Q-0 also (IP) I-6 E	N 70,976.1 E 55,726.3	4949.7	one shot only no check on position
(IP) Q-12 N	N 71,936.4 E 55,173.6	4730.1	
(IP) R-3 N also P-35	N 72,668.0 E 49,002.2	2885.2	one shot only no check on position shot on nail
(IP) R-48 N	N 77,169.8 E 48,996.0	2870.0	one shot only no check on position

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WILLIAM H. SMITH
SURVEYING CONSULTANT
PHONE 307-675-3638

P.O. BOX 884
171 E. FLAMING GORGE WAY
GREEN RIVER, WYOMING 82908

NORTHWEST EXPLORATIONS
ORANGE HILL, ALASKA
PRIMARY CONTROL

Job #1-74
June 29, 1974

Orange Hill	N 72,961.67 E 50,653.91	3496.83	brass cap set in concrete in cylinder
Big Gulch	N 74,794.75 E 51,496.78	3370.28	brass cap set in concrete in stone fracture in cylinder
Strip	N 77,702.62 E 48,811.53	2878.37	brass cap set in concrete flush with ground in cylinder
Glacier	N 71,126.71 E 48,707.54	2963.58	aluminum cap set on bolt and set in 6" concrete cylinder
QP	N 70,534.94 E 51,748.85	3425.76	aluminum cap set in concrete cylinder