

NTS CO-ORDS.  
COMPILED FROM SURVEY FILE. & DDH LOGS

018305

GRUM METRIC CO-ORDINATES

HOLE #	NORTH	EAST	ELEVATION
A-11	10,696.94	7521.19	1292.05
A-83	10,608.52	7526.49	1289.13
A-12	10,997.64	7391.02	1323.32
A-87	10,996.26	7473.74	1315.61
A-88	10,827.58	7649.82	1313.97
A-89	11,046.47	7515.27	1315.36
A-93	11,085.29	7558.80	1313.38
A-90	10,874.36	7692.18	1312.73
A-92	10,916.45	7734.46	1311.54
A-32	10,822.83	7389.90	1315.03
A-24	10,865.31	7432.58	1314.47
A-91	11,720.80	6899.62	1300.15
A-86	11,680.81	7027.90	1301.36
A-85	10,953.21	7431.51	1318.21
A-84	10,782.49	7435.08	1307.89
A-82	10,961.25	7,606.81	1312.30

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## GRUM METRIC CO-ORDINATES

<u>HOLE #</u>	<u>NORTH</u>	<u>EAST</u>	<u>ELEVATION</u>
A-53	10,814.20	7,550.77	1308.52
A-5	10,786.52	7,520.97	1303.85
A-9	10,896.01	7,632.18	1312.92
A-56	10,786.97	7,691.92	1310.39
A-21	10,743.26	7,651.64	1301.68
A-60	10,656.40	7,568.59	1289.41
A-19	10,699.78	7,609.68	1295.52
<del>A-26</del>	<del>10,865.<sup>37</sup><sub>72</sub></del>	<del>7,432.<sup>51</sup><sub>75</sub></del>	<del>1314.46</del>
A-10	10,826.53	7,482.81	1309.47
A-35	10,777.92	7,348.92	1313.70
A-38	10,734.00	7,307.52	1312.48
A-22	10,949.58	7,345.91	1322.15
A-20	11,038.90	7,432.51	1321.72
A-27	10,911.85	7,477.25	1314.27
A-94	11,764.48	7,111.62	1309.63
A-4	10,719.32	7,475.03	1297.38
A-18	11,118.54	7,171.43	1320.34

# GRUM METRIC CO-ORDINATES

<u>HOLE #</u>	<u>NORTH</u>	<u>EAST</u>	<u>ELEVATION</u>
A-63	10,314.44	7744.20	1271.27
A-42	10,143.65	7748.70	1264.70
A-98	12,141.45	6642.05	1316.50
A-97	12,183.58	6688.71	1315.77
A-39	10,188.24	7790.73	1262.24
A-33	10,275.72	7874.24	1273.10
A-54	10,148.23	7920.30	1259.68
A-50	10,104.55	7877.98	1252.61
A-46	10,060.65	7835.55	1252.47
A-49	10,108.61	8051.31	1259.01
A-37	10,232.49	7833.75	1266.44
A-96	10,744.83	7738.24	1303.59
A-95	10,828.04	7735.68	1313.41

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# GRUM METRIC CO-ORDINATES

HOLE #	NORTH	EAST	ELEVATION
P-6	12,166.63 ✓	6658.36 ✓	1314.32 ✓
P-2	12,194.11	6703.97	1318.03
P-5	12,245.35	6720.07	1317.56
P-4	12,244.48	6686.50	1315.55
A-10	10,700.88	7694.94	1296.69
A-52	10,702.92	7782.6	1299.89
A-99	10,657.97	7821.61	1296.41
A-45	10,658.89	7739.16	1292.22
A-62	10,660.22	7650.77	1290.45
A-23	10,616.47	7697.84	1288.52
A-13	10,568.32	7659.52	1287.69
A-26	10,530.86	7785.18	1287.67
<del>A-74</del>	<del>10,525.90</del>	<del>7612.95</del>	<del>1283.87</del>
A-58	10,618.08	7870.86	1293.25
A-55	10,575.39	7827.06	1288.23
A-28	10,486.81	7741.81 <del>7785.18</del>	1284.65
A-102	10,575.30	7913.47	1289.92

# GRUM METRIC CO-ORDINATES

<u>HOLE #</u>	<u>NORTH</u>	<u>EAST</u>	<u>ELEVATION</u>
A-103	10,532.37	7870.14	1288.27
A-31	10,404.19	7829.50	1278.24
A-100	10,788.73	7780.36	1309.23
A-101	12,050.85	6729.44	1314.99
A-105	10,354.00	7698.85	1273.74
162	6 904 563.44 10,139.60	592 403.88 7828.76	1255.96
165	10,057.28	7874.51	1246.58
A-34	11,499.28	7034.65	1315.30
A-14	10,672.94	7414.58	1300.78
A-1	10,579.43	7323.27	1307.45
A-41	10,689.07	7267.54	1318.63
A-29	11,498.50	6857.24	1317.22
A-64	11,589.28	6945.44	1305.76
A-106	10,741.59	7820.74	1303.61
A-109	10,701.75	7863.65	1300.10
A-112	10,660.63	7912.97	1297.80
A-107	<del>10,487.32</del> 10,487.76 (AV)	<del>7828.26</del> 7828.38 (AV)	<del>1286.46</del> 1286.48 (AV)

## GRUM METRIC CO-ORDINATES

<u>HOLE #</u>	<u>NORTH</u>	<u>EAST</u>	<u>ELEVATION</u>
A-111	10,993.02	7304.04	1326.20
A-115	10,948.32	7260.64	1326.86
(A?) 113	11,037.12	7345.90	1326.54
A-59	11,034.80	7260.06	1329.7
A-51	10,906.31	7303.36	1323.02
A-114	10,259.84	7715.81	1269.77 <del>+274.91</del>
A-108	10,272.31	7787.35	1270.02
A-110	10,358.85	7788.45	1273.38
A-17	10,485.40	7567.45	1284.51
A-61	11,076.84	7302.78	1328.93
A-104	11,082.33	7473.49	1320.17
A-118	11,076.78	7388.58	1325.259
A-116	10,746.22	7905.17	1304.599
A-122	10,443.29	7784.11	1280.78
A-117	10,524.96 <del>+28</del>	7700.87	1286.46
A-119	10,445.87	7871.16	1284.22
A-121	10,618.20	7780.26	1293.13

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## GRUM METRIC CO-ORDINATES

HOLE #	NORTH	EAST	ELEVATION
A-123	11,120.20	7345.44	1328.52
A-8	11,144.64	7537.27	1319.47
A-120	11,118.58	7427.24	1324.73
A-124	11,162.12	7470.04	1328.03
A-127	11,204.91	7426.64	1326.78
A-125	11,163.43	7387.77	1327.47
A-126	10,989.82	7217.796	1330.50
A-128	10,983.48	7210.71	1330.97
A-15	11,294.24	7346.49	1313.91
A-16	11,466.44	7255.62	1308.52
A-25	11,553.16	7426.42	1300.289
A-57	11,372.97	7080.836	1312.41
A-129	10,618.83	7954.88	1293.84
A-130	10,532.80	7956.02	1287.36
A-131	10,489.36	7,913.56	1286.97
A-132	10,809.446	7714.55	1313.26
A-133	10,769.36	7,761.97	1307.438
A-134	10,723.12	7799.06	1301.18

GRUM METRIC CO-ORDINATES

<u>HOLE #</u>	<u>NORTH</u>	<u>EAST</u>	<u>ELEVATION</u>
A-135	10,679.61	7843.31	1297.709
A-137	10,683.35	7932.20	1300.168
A-139	10,723.99	7884.05	1302.867
A-136	10,640.342	7890.183	1295.298
A-141	10,894.05	7712.48	1312.33
A-138	10,810.96	7800.23	1311.97
A-140	11,220.26	7602.24	1317.30
A-149	10,598.14	7848.42	1295.18
A-147	10,638.32	7719.39	1288.76
A-142	10,593.89	7676.71	1288.10
A-145	10,546.77	7631.16	1285.97
A-143	10,764.16	7840.88	1306.31
A-152	10,552.83	7805.69	1287.92
A- <del>147</del> 144	11,301.016 <del>11,254.74</del>	7514.59 <del>7474.78</del>	1323.117 <del>1323.12</del>
A-153	10,680.107	7758.81	1297.22
A-154	11,209.436	7516.51	1321.35
A-151	11,254.74	7474.78	1323.75

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## GRUM METRIC CO-ORDINATES

<u>HOLE #</u>	<u>NORTH</u>	<u>EAST</u>	<u>ELEVATION</u>
A-146	11,382.48	7423.32	1323.78
A-150	11,388. <del>5</del> <sup>50</sup>	7599.63	1326.41
A-148	11,470.55	7507.34	1322.81
A-159	10,590.66	7589.92	1287.45
A-157	10,506.97	7677.26	1284.51
A-162	10,379.44	7,722.61	1274.31
A-155	10,962.66	7697.62	1311.05
A-158	10,977.56	7627.70	1312.59
A-161	10,979.27	7628.07	1312.49
A-160	11,021.19	7575.68	1312.305
A-156	11,104.53	7491.81	1319.41
A-163	11,092.38	7,642.51	1312.70
A-164	11,141.54	7,684.46	1289.22
A-65	10,742.70	7559.77	1299.30
A-66	10,575.39	7741.44	1287.53
A-67	10,913.18	7561.88	1313.90
A-68	10,870.22	7607.27	1314.71

# GRUM METRIC CO-ORDINATES

<u>HOLE #</u>	<u>NORTH</u>	<u>EAST</u>	<u>ELEVATION</u>
A-69	10,955.31	7517.40	1313.14
<del>A-70</del>	<del>10,700.88</del>	<del>7694.94</del>	<del>1296.84</del>
A-71	10,783.74	7606.99	1307.62
A-72	10,869.20	7524.17	1314.96
A-73	10,941.06	7676.01	1312.84
A-74	10,525.90	7612.95	1283.48
A-75	11,000.76	7641.05	1311.83
A-76	10,998.77	7559.52	1312.38
A-77	10,444.88	7699.64	1278.23
A-78	11,046.27	7689.80	1311.67
A-79	11,045.78	7597.11	1312.16
A-80	11,090.02	7733.92	1310.56
A-81	10,403.99	7739.45	1275.39
A-30	10,840.94	7578.39	1313.87

NTS - CO-ORDINATES - CONVERT  
TO UTM.

GRUM METRIC CO-ORDINATES

<u>HOLE #</u>	<u>NORTH</u>	<u>EAST</u>	<u>ELEVATION</u>
U-1	10,778.51	7691.73	1154.57
U-2	10,779.73	7691.54	1154.66
U-3	10,717.123	7628.66	1155.32
U-4	10,720.19	7631.53	1155.62
U-5	10,720.45	7632.27	1151.62
U-6	10,719.91	7632.55	1155.60
U-7	10,746.70	7652.80	1151.80
U-8	10,746.71	7652.78	1155.87
U-9	10,765.60	7671.80	1152.00
U-10	10,765.58	7671.82	1155.945
U-11	10,781.47	7694.46	1153.72
U-12	10,685.91	7600.50	1152.91
U-13	10,685.48	7600.08	1152.91
U-14	10,684.80	7602.59	1157.71
U-15	10,704.13	7531.34	1166.19
U-16	10,727.09	7639.76	1151.80
-U-17	10,727.20	7639.60	1151.80

## GRUM METRIC CO-ORDINATES

<u>HOLE #</u>	<u>NORTH</u>	<u>EAST</u>	<u>ELEVATION</u>
U-18	10,686.00	7600.50	1153.00
U-19	10,684.01	7598.675	1155.27
U-20	10,685.03	7599.64	1152.92
U-21	10,716.85	7628.24	1155.64
U-22	10,720.18	7631.99	1151.71
U-23	10,720.80	7632.88	1151.74
U-24	10,726.67	7640.42	1155.16
U-25	10,726.67	7640.42	1155.16
U-26	10,777.49	7689.09	1156.85
U-27	10,781.03	7693.72	1157.39
U-28	10,708.75	7538.75	1166.52
U-29	10,709.13	7538.50	1167.26
U-30	10,709.04	7538.30	1169.60
U-31	10,702.96	7535.11	1166.86
U-32	10,703.10	7532.66	1166.37
U-33	10,700.57	7530.24	1169.41
U-34	10,767.506	7589.079	1144.611

# GRUM METRIC CO-ORDINATES

HOLE #	NORTH	EAST	ELEVATION
U-35	10,768.04	7589.41	1144.64
U-36	10,631.975	7680.82	1167.49
U-37	10,633.28	7681.65	1167.74
U-38	10,632.55	7681.265	1167.83
U-39	10,767.24	7588.40	1144.60
U-40	10,767.05	7588.30	1144.60
U-41	10,769.06	7590.70	1144.63
U-42	10,767.70	7590.10	1148.60
U-43	10,767.235	7589.51	1148.76
U-44	10,767.80	7587.31	1148.79
U-45	10,831.00*	7647.00*	1143.25* <del>1143.30*</del>
U-46	<del>10,826.65</del> 10,831.65	7647.00*	1143.30* <del>1143.30*</del>
U-47	10,831.00*	7647.00*	1143.30* <del>1143.30*</del>
U-48	10,826.65	7645.32	1143.34
U-49	10,825.93	7643.09	1144.54
U-50	10,825.60	7643.9	1144.50
U-51	10,826.00*	7643.00*	1146.70*

\* APPROXIMATE LOCATION

## GRUM METRIC CO-ORDINATES

HOLE #	NORTH	EAST	ELEVATION
U-52	10826.40	7643.186	1147.30
U-53	10,827.039	7643.68	1147.51
U-54	10,829.44	7645.42	1148.115
U-55	10,826.03	7643.14	1145.06
U-56	10,825.996	7643.19	1146.13
U-57	10,825.897	7643.08	1143.83
U-58	10,797.87	7534.52	1136.29
U-59	10,798.16	7534.89	1135.44
U-60	10,799.37	7535.87	1134.97
U-61	10,799.08	7535.68	1135.001
U-62	10,798.09	7534.80	1135.60
U-63	10,798.01	7534.77	1137.45
U-64	10,799.51	7537.07	1138.80
U-65	10799.57	7535.98	1139. <del>30</del> <sup>03</sup>
U-66	10797.70	7536.365	1136.90
U-67	10842.75	7493.68	1126.585
U-68	10841.81	7493.52	1127.79

# GRUM METRIC CO-ORDINATES

<u>HOLE #</u>	<u>NORTH</u>	<u>EAST</u>	<u>ELEVATION</u>
U-69	10,843.02	7494.45	1130.21
U-70	10,844.05	7495.38	1130.004
U-71	10,844.37	7495.545	1129.90
U-72	10,842.74	7494.99	1124.62
U-73	10,481.07	7494.76	1126.003
U-74	10,602.79	7732.38	1174.98
U-75	10,843.47	7495.47	1124.59
U-76	10,602.16	7731.64	1175.06
U-77	10,844.45	7496.31	1124.89
U-78	10,603.30	7732.98	1175.07
U-79	10,841.87	7494.41	1125.11
U-80	10,776.53	7687.98	1154.80
U-81	10,835.04	7570.33	1137.79 ✓
U-82	10,775.09	7686.96	1154.67
U-83	10,835.15	7570.73	1142.06
U-84	10,780.56	7687.55	1153.23
U-85	10,834.14	7570.12	1142.23

## GRUM METRIC CO-ORDINATES

HOLE #	NORTH	EAST	ELEVATION
U-86	10,782.36	7693.25	1153.99
U-87	10,833.25	7568.31	1137.84
U-88	10,750.45	7733.16	1156.05
U-89	10,820.70	7559.00	1141.32
U-90	10,752.88	7733.46	1155.99
U-91	10,926.78	7571.59	1124.82
U-92	10,794.48	7730.37	1157.059
U-93	10,925.53	7572.89	1126.41
U-94	10,968.13	7378.32	1099.79
U-95	10,926.495	7572.53	1124.08
U-96	10,749.52	7730.76	1158.03
U-97	10,926.18	7752.655	1124.215
U-98	10,749.23	7731.64	1156.09
U-99	10,935.22	7583.25	1123.95
U-100	10,748.85	7731.50	1159.02
U-101	10,236.50	7583.50	1123.90
U-102	10,749.741	7731.795	1160.64

# GRUM METRIC CO-ORDINATES

<u>HOLE #</u>	<u>NORTH</u>	<u>EAST</u>	<u>ELEVATION</u>
U-103	10,936.34	7583.72	1123.93
U-104	10,751.375	7733.20	1160.596
U-105	10,938.00	7584.50	1125.00
U-106	10,752.194	7734.48	1157.25
U-107	10,936.50*	7583.5*	1127.60*
* APPROXIMATE LOCATION			
U-108	10,751.56	7732.92	1156.25
U-109	10,936.75	7585.23	1127.59
U-110	10,894.58	7627.34	1132.98
U-111	10,749.23	7731.63	1156.10
U-112	10,893.52	7626.34	1132.96
U-113	10,752.87	7733.46	1155.90
U-114	10,891.95	7625.06	1134.22
U-115	10,749.32	7732.82	1155.985
U-116	10,891.825	7625.10	1136.46
U-117	10 832.50	7651.50	1125.22
U-118	10,892.665	7626.485	1138.16
U-119	10,656.15	7650.75	1160.6?
	10,658.0?	<del>7653.0?</del>	
COLLAR LOST - DRIFT CHANGE			

# GRUM METRIC CO-ORDINATES.

<u>HOLE #</u>	<u>NORTH</u>	<u>EAST</u>	<u>ELEVATION</u>
U-120	10,895.72	7628.35	1134.22
U-121	*10655.20	7649.75.	1160.60
	*COLLAR LOST - DRIFT CHANGE		
U-122	10,895.70	7628.30	1133.00
U-123	10,657.80	7651.75	1160.61
U-124	*10,863.50	7597.7	1138.00
	*APPROX		
U-125	10,748.61	7731.64	1156.65
U-126	10,862.50	7597.00	1138.00
U-127	10,659.57	7654.12	1161.82
U-128	10,863.30	7598.00	1138.00
U-129	10,850.00	7584.80	1137.60
U-130	10,862.88	7597.28	1142.72
U-131	10,655.40	7649.0	1161.75
U-132	10,895.40	7628.70	1138.0
U-133	*10,657.75	7652.00	1160.57
	COLLAR ONLY - DRIFT CHANGE		
U-134	10,808.43	7544.40	1134.12
U-135	10,978.34	7540.54	1110.875
U-136	10,657.16	7651.88	1163.49

## GRUM METRIC CO-ORDINATES

<u>HOLE #</u>	<u>NORTH</u>	<u>EAST</u>	<u>ELEVATION</u>
U-137	10,658.60	7650.25	1164.00
U-138	10,808.03	7544.56	1133.91
U-139	10,657.10	7651.00	1164.00
U-140	10,978.48	7540.69	1110.904
U-141	10,577.30	7744.00	1178.56
U-142	10,976.42	7538.10	1111.22
U-143	10,579.20	7746.00	1177.58
U-144	10,978.67	7541.30	1114.35
U-145	10,580.50	7746.50	1178.50
U-146	10,977.39	7539.85	1115.61
U-147	10,582.41	7748.36	1180.90
U-148	10,848.99	7500.08	1124.87
U-149	10,939.53	7502.63	1116.93
U-150	10,880.40	7445.21	1112.59
U-151	10,879.29	7443.32	1115.77
U-152	10,939.20	7502.38	1121.60
U-153	10,879.10	7443.54	1113.23

## GRUM METRIC CO-ORDINATES

HOLE #	NORTH	EAST	ELEVATION
U-154	10,879.52	7465.14	1119.96
U-155	10,579.20 <del>10,578.00</del>	7746.00 <del>7744.5</del>	1177.40
U-156	10,879.56	7465.08	1116.25
U-157	10,579.00	7745.50	1177.40
U-158	10930.92	7409.54	1108.33
U-159	10579.20	7746.00	1181.58
U-160	10,930.32	7409.15	1105.88
U-161	10577.30	7744.00	1177.48
U-162	10,930.50	7409.50	1105.00
U-163	10527.35	7781.60	1185.49
U-164	10,931.55	7410.18	1109.77
U-165	10527.50	7781.10	1184.90
U-166	11,020.25	7495.50	1105.50
U-167	10527.00	7781.50	1187.51
U-168	11,018.004	7495.33	1105.49
U-169	10,484.50	7822.00	1193.07
U-170	11,021.845	7412.45	1099.86

## GRUM METRIC CO-ORDINATES

HOLE #	NORTH	EAST	ELEVATION
U-171	10481.25	7818.80	1192.87
U-172	11,017.45	7494.88	1105.82
U-173	10481.25	7818.80	1192.80
U-174	11,020.25	7495.50	1109.30
U-175	10484.00	7822.00	1192.32
U-176	11,052.88*	7445.67*	1100.72*
	* APPROXIMATED	LAYOUT	
U-177	10483.85	7825.00	1195.12
U-178	11,053.12	7446.15	1104.90
U-179	10482.00	7819.50	1195.71
U-180	11,021.75	7412.56	1104.04
U-181	10623.25	7704.20	1172.01
U-182	10981.46*	7380.44*	1098.80*
	* APPROXIMATED		
U-183	10,623.25	7704.20	1171.19
U-184	10,978.60*	7377.98*	1098.83*
U-185	10,600.75	7723.40	1175.36
U-186	10,980.57	7379.75	1103.11
U-187	10,601.00	7723.65	1174.78

## GRUM METRIC CO-ORDINATES

<u>HOLE #</u>	<u>NORTH</u>	<u>EAST</u>	<u>ELEVATION</u>
<del>U-187</del>	<del>NO DATA</del>		
U-188	10,933.92	7412.99	1106.24
U-189	10,604.20	7727.50	1174.79
U-190	10,932.85	7411.776	1105.05
U-191	10,602.58	7725.65	1178.89
U-192	10786.02	7565.86	1140.18
U-193	10,633.59	7671.35	1166.25
U-194	10785.41	7565.13	1141.48
U-195	10636.80	7674.84	1166.36
U-196	10784.53	7564.22	1140.18
U-197	10634.37	7672.10	1168.86
U-198	10709.24	7469.54	1172.84
U-199	10,677.07	7629.42	
U-200	10,673.002 APPROX.	7640.15*	1158.25*
U-201	10,718.84	7634.56	1152.84
U-202	10718.89	7634.67	1152.85
U-203	10725.97	7640.34	1152.77

# GRUM METRIC CO-ORDINATES

<u>HOLE #</u>	<u>NORTH</u>	<u>EAST</u>	<u>ELEVATION</u>
U-204	10767.17	7715.58	1154.80
U-205	10,770.14	7716.56	1155.51
U-206	10,766.80 <sup>34</sup>	<del>7715.96</del> <del>7716.00</del>	1159.65
U-207	<del>10811.14</del> <del>10,811.00</del>	<del>7673.82</del> <del>7674.00</del>	1150.45
U-208	10,810.30	7673.38	1149.35
U-209	10810.13	7672.49	1149.21
U-210	10809.00	7671.17	1149.15
U-211	10742.78	7608.10	1149.55
U-212	10743.75	7608.68	1149.52
U-213	10744.66	7609.87	1149.50
U-214	10,860.46	7637.09	1139.16
U-215	10,859.16	7635.77	1137.91
U-216	10858.26	7633.34	1137.98
U-217	<del>10,707.98</del> <del>10,708.00</del>	7467.90*	1172.83*
	* APPROX.		
U-218	10,956.37	7382.51	1100.52