

Table 1
Geophysical Test Plot 1 Seed Items

Seed Item	Easting	Northing	Target Description	Depth (inches)	Orientation of Nose	Azimuth
Seed 1	5735386.61	2120185.55	70 mm (pipe)	12	15	5
Seed 2	5735381.18	2120181.16	70 mm (pipe)	24	120	45
Seed 3	5735376.29	2120184.86	57 mm	6	20	0
Seed 4	5735369.25	2120187.31	57 mm	12	vertical	90
Seed 5	5735358.04	2120182.04	57 mm	24	115	0
Seed 6	5735385.90	2120174.45	37 mm (pipe)	6	144	0
Seed 7	5735380.43	2120172.96	37 mm (pipe)	12	42	0
Seed 8	5735370.12	2120176.42	37 mm (pipe)	18	20	0
Seed 9	5735363.50	2120174.48	37 mm (pipe short)	6	20	0
Seed 10	5735356.47	2120173.08	37 mm (pipe short)	12	107	0
Seed 11	5735348.86	2120176.73	37 mm (pipe short)	6	24	0
Seed 12	5735351.06	2120185.07	70 mm (pipe)	36	32	45
Seed 13	5735379.82	2120169.15	Grenade	6	125	0
Seed 14	5735371.25	2120171.37	Grenade	24	vertical	90
Seed 15	5735364.41	2120165.91	Grenade	12	53	0
Seed 16	5735358.32	2120166.03	Grenade Fuze Assembly	3	120	0
Seed 17	5735352.30	2120169.30	Grenade Fuze Assembly	3	225	0
Seed 18	5735346.87	2120166.36	Grenade Fuze Assembly	1	0	0
Seed 19	5735371.15	2120186.99	Steel Scrap	6	0	0
Seed 20	5735348.00	2120171.32	Steel Scrap	3	0	0
Seed 21	5735365.56	2120180.22	Steel Scrap	9	0	0

Notes:

Coordinates (Easting and Northing) are NAD83 California State Plane Zone IV U.S. Foot
mm = millimeter

Tables

Table 2
Geophysical Test Plot 2 Seed Items

Seed Item	Easting	Northing	Target Description	Depth (inches)	Orientation of Nose	Azimuth
Seed 1	5732180.99	2114693.12	70 mm (pipe)	12	15	5
Seed 2	5732188.34	2114694.62	70 mm (pipe)	24	120	45
Seed 3	5732191.54	2114688.81	57 mm	6	20	0
Seed 4	5732196.59	2114683.23	57 mm	12	vertical	90
Seed 5	5732210.12	2114683.59	57 mm	24	115	0
Seed 6	5732187.22	2114702.92	37 mm (pipe)	6	144	0
Seed 7	5732192.67	2114701.62	37 mm (pipe)	12	42	0
Seed 8	5732201.00	2114693.89	37 mm (pipe)	18	20	0
Seed 9	5732208.13	2114692.96	37 mm (pipe short)	6	20	0
Seed 10	5732214.50	2114691.08	37 mm (pipe short)	12	107	0
Seed 11	5732219.49	2114684.63	37 mm (pipe short)	6	24	0
Seed 12	5732215.87	2114678.13	70 mm (pipe)	36	32	45
Seed 13	5732195.40	2114704.52	Grenade	6	125	0
Seed 14	5732201.34	2114699.40	Grenade	24	vertical	90
Seed 15	5732210.33	2114700.86	Grenade	12	53	0
Seed 16	5732216.00	2114698.29	Grenade Fuze Assembly	3	120	0
Seed 17	5732220.04	2114692.83	Grenade Fuze Assembly	3	225	0
Seed 18	5732226.48	2114693.01	Grenade Fuze Assembly	1	0	0
Seed 19	5732194.84	2114685.35	Steel Scrap	6	0	0
Seed 20	5732222.97	2114688.87	Steel Scrap	3	0	0
Seed 21	5732203.22	2114688.47	Steel Scrap	9	0	0

Notes:

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Table 3
EM61-MK2 Data Processing Parameters

EM61-MK2 Data	
Process	Parameter
Drift - Statistical	Rolling Statistics Calculation: Median Window: 100 fiducials
Background Noise	Windowed Section
Grid	Cell Size: 0.25 Blanking Distance: 2.25 Search Radius: 2
Blakely Peak Picking Algorithm	Smooth Filter: 3 Normal Peak Detection Grid Value Cutoff: grid dependent
Target Decay Analysis	Performed
Target Review	Performed

Tables

Table 4
EM61-MK2 Towed Array - Test Plot 1

Seed ID	Description	Mass	Depth (inches)	Orientation	Inclination	Delta (feet)
Seed 1	70 mm (pipe)	3 lb 11 oz	12	15	5	1.27
Seed 2	70 mm (pipe)	3 lb 11 oz	24	120	45	1.17
Seed 3	57 mm	1 lb 13 oz	6	20	0	0.45
Seed 4	57 mm	1 lb 13 oz	12	vertical	90	0.40
Seed 5	57 mm	1 lb 13 oz	24	115	0	1.06
Seed 6	37 mm (pipe)	1 lb 3 oz	6	144	0	1.29
Seed 7	37 mm (pipe)	1 lb 3 oz	12	42	0	1.31
Seed 8	37 mm (pipe)	1 lb 3 oz	18	20	0	0.44
Seed 9	37 mm (pipe short)	12 oz	6	20	0	0.19
Seed 10	37 mm (pipe short)	12 oz	12	107	0	1.23
Seed 11	37 mm (pipe short)	12 oz	6	24	0	0.57
Seed 12	70 mm (pipe)	3 lb 11 oz	36	32	45	1.06
Seed 13	Grenade	1 lb 2 oz	6	125	0	0.89
Seed 14	Grenade	1 lb 2 oz	24	vertical	90	1.79
Seed 15	Grenade	1 lb 2 oz	12	53	0	0.12
Seed 16	Grenade Fuze Assembly	2 oz	3	120	0	0.79
Seed 17	Grenade Fuze Assembly	2 oz	3	225	0	0.31
Seed 18	Grenade Fuze Assembly	2 oz	1	0	0	0.13
Seed 19	Steel Scrap	2 oz	6	0	0	NS
Seed 20	Steel Scrap	4 oz	3	0	0	NS
Seed 21	Steel Scrap	3 oz	9	0	0	0.49

Notes:

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Table 5
EM61-MK2 Single Unit – Test Plot 1

Seed ID	Description	Mass	Depth (inches)	Orientation	Inclination	Delta (feet)
Seed 1	70 mm (pipe)	3 lb 11 oz	12	15	5	1.06
Seed 2	70 mm (pipe)	3 lb 11 oz	24	120	45	1.11
Seed 3	57 mm	1 lb 13 oz	6	20	0	0.24
Seed 4	57 mm	1 lb 13 oz	12	vertical	90	0.06
Seed 5	57 mm	1 lb 13 oz	24	115	0	1.69
Seed 6	37 mm (pipe)	1 lb 3 oz	6	144	0	1.58
Seed 7	37 mm (pipe)	1 lb 3 oz	12	42	0	1.57
Seed 8	37 mm (pipe)	1 lb 3 oz	18	20	0	1.17
Seed 9	37 mm (pipe short)	12 oz	6	20	0	0.19
Seed 10	37 mm (pipe short)	12 oz	12	107	0	1.02
Seed 11	37 mm (pipe short)	12 oz	6	24	0	0.55
Seed 12	70 mm (pipe)	3 lb 11 oz	36	32	45	0.64
Seed 13	Grenade	1 lb 2 oz	6	125	0	1.35
Seed 14	Grenade	1 lb 2 oz	24	vertical	90	0.97
Seed 15	Grenade	1 lb 2 oz	12	53	0	0.35
Seed 16	Grenade Fuze Assembly	2 oz	3	120	0	NS
Seed 17	Grenade Fuze Assembly	2 oz	3	225	0	0.75
Seed 18	Grenade Fuze Assembly	2 oz	1	0	0	NS
Seed 19	Steel Scrap	2 oz	6	0	0	NS
Seed 20	Steel Scrap	4 oz	3	0	0	NS
Seed 21	Steel Scrap	3 oz	9	0	0	1.12

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Tables

Table 6
G-858 Magnetometer – Test Plot 1

Seed ID	Description	Mass	Depth (inches)	Orientation	Inclination	Delta (feet)
Seed 1	70 mm (pipe)	3 lb 11 oz	12	15	5	0.26
Seed 2	70 mm (pipe)	3 lb 11 oz	24	120	45	0.49
Seed 3	57 mm	1 lb 13 oz	6	20	0	0.31
Seed 4	57 mm	1 lb 13 oz	12	vertical	90	0.40
Seed 5	57 mm	1 lb 13 oz	24	115	0	1.73
Seed 6	37 mm (pipe)	1 lb 3 oz	6	144	0	0.35
Seed 7	37 mm (pipe)	1 lb 3 oz	12	42	0	0.56
Seed 8	37 mm (pipe)	1 lb 3 oz	18	20	0	1.42
Seed 9	37 mm (pipe short)	12 oz	6	20	0	0.50
Seed 10	37 mm (pipe short)	12 oz	12	107	0	0.49
Seed 11	37 mm (pipe short)	12 oz	6	24	0	0.16
Seed 12	70 mm (pipe)	3 lb 11 oz	36	32	45	0.96
Seed 13	Grenade	1 lb 2 oz	6	125	0	0.51
Seed 14	Grenade	1 lb 2 oz	24	vertical	90	0.67
Seed 15	Grenade	1 lb 2 oz	12	53	0	0.55
Seed 16	Grenade Fuze Assembly	2 oz	3	120	0	0.21
Seed 17	Grenade Fuze Assembly	2 oz	3	225	0	0.81
Seed 18	Grenade Fuze Assembly	2 oz	1	0	0	0.96
Seed 19	Steel Scrap	2 oz	6	0	0	NS
Seed 20	Steel Scrap	4 oz	3	0	0	0.51
Seed 21	Steel Scrap	3 oz	9	0	0	0.19

Notes:

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NS = Not selected

Table 7
EM61-MK2 Towed Array - Test Plot 2

Seed ID	Description	Mass	Depth (inches)	Orientation	Inclination	Delta (feet)
Seed 1	70 mm (pipe)	3 lb 11 oz	12	15	5	2.1
Seed 2	70 mm (pipe)	3 lb 11 oz	24	120	45	2.0
Seed 3	57 mm	1 lb 13 oz	6	20	0	1.3
Seed 4	57 mm	1 lb 13 oz	12	vertical	90	0.6
Seed 5	57 mm	1 lb 13 oz	24	115	0	2.0
Seed 6	37 mm (pipe)	1 lb 3 oz	6	144	0	1.8
Seed 7	37 mm (pipe)	1 lb 3 oz	12	42	0	0.6
Seed 8	37 mm (pipe)	1 lb 3 oz	18	20	0	1.3
Seed 9	37 mm (pipe short)	12 oz	6	20	0	0.4
Seed 10	37 mm (pipe short)	12 oz	12	107	0	1.5
Seed 11	37 mm (pipe short)	12 oz	6	24	0	0.4
Seed 12	70 mm (pipe)	3 lb 11 oz	36	32	45	1.9
Seed 13	Grenade	1 lb 2 oz	6	125	0	1.5
Seed 14	Grenade	1 lb 2 oz	24	vertical	90	NS
Seed 15	Grenade	1 lb 2 oz	12	53	0	0.4
Seed 16	Grenade Fuze Assembly	2 oz	3	120	0	0.5
Seed 17	Grenade Fuze Assembly	2 oz	3	225	0	NS
Seed 18	Grenade Fuze Assembly	2 oz	1	0	0	1.2
Seed 19	Steel Scrap	2 oz	6	0	0	NS
Seed 20	Steel Scrap	4 oz	3	0	0	0.5
Seed 21	Steel Scrap	3 oz	9	0	0	2.2

Notes:

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Tables

Table 8
EM61-MK2 Single Unit – Test Plot 2

Seed ID	Description	Mass	Depth (inches)	Orientation	Inclination	Delta (feet)
Seed 1	70 mm (pipe)	3 lb 11 oz	12	15	5	2.10
Seed 2	70 mm (pipe)	3 lb 11 oz	24	120	45	2.19
Seed 3	57 mm	1 lb 13 oz	6	20	0	0.37
Seed 4	57 mm	1 lb 13 oz	12	vertical	90	0.94
Seed 5	57 mm	1 lb 13 oz	24	115	0	1.97
Seed 6	37 mm (pipe)	1 lb 3 oz	6	144	0	1.75
Seed 7	37 mm (pipe)	1 lb 3 oz	12	42	0	1.07
Seed 8	37 mm (pipe)	1 lb 3 oz	18	20	0	0.76
Seed 9	37 mm (pipe short)	12 oz	6	20	0	0.58
Seed 10	37 mm (pipe short)	12 oz	12	107	0	0.87
Seed 11	37 mm (pipe short)	12 oz	6	24	0	0.81
Seed 12	70 mm (pipe)	3 lb 11 oz	36	32	45	0.46
Seed 13	Grenade	1 lb 2 oz	6	125	0	0.72
Seed 14	Grenade	1 lb 2 oz	24	vertical	90	NS
Seed 15	Grenade	1 lb 2 oz	12	53	0	0.67
Seed 16	Grenade Fuze Assembly	2 oz	3	120	0	NS
Seed 17	Grenade Fuze Assembly	2 oz	3	225	0	NS
Seed 18	Grenade Fuze Assembly	2 oz	1	0	0	NS
Seed 19	Steel Scrap	2 oz	6	0	0	NS
Seed 20	Steel Scrap	4 oz	3	0	0	NS
Seed 21	Steel Scrap	3 oz	9	0	0	1.48

Notes:

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Table 9
G-858 Magnetometer – Test Plot 2

Seed ID	Description	Mass	Depth (inches)	Orientation	Inclination	Delta (feet)
Seed 1	70 mm (pipe)	3 lb 11 oz	12	15	5	0.43
Seed 2	70 mm (pipe)	3 lb 11 oz	24	120	45	0.20
Seed 3	57 mm	1 lb 13 oz	6	20	0	0.56
Seed 4	57 mm	1 lb 13 oz	12	vertical	90	0.65
Seed 5	57 mm	1 lb 13 oz	24	115	0	0.70
Seed 6	37 mm (pipe)	1 lb 3 oz	6	144	0	0.92
Seed 7	37 mm (pipe)	1 lb 3 oz	12	42	0	0.24
Seed 8	37 mm (pipe)	1 lb 3 oz	18	20	0	1.13
Seed 9	37 mm (pipe short)	12 oz	6	20	0	0.56
Seed 10	37 mm (pipe short)	12 oz	12	107	0	0.75
Seed 11	37 mm (pipe short)	12 oz	6	24	0	0.27
Seed 12	70 mm (pipe)	3 lb 11 oz	36	32	45	0.77
Seed 13	Grenade	1 lb 2 oz	6	125	0	0.62
Seed 14	Grenade	1 lb 2 oz	24	vertical	90	NS
Seed 15	Grenade	1 lb 2 oz	12	53	0	0.68
Seed 16	Grenade Fuze Assembly	2 oz	3	120	0	0.50
Seed 17	Grenade Fuze Assembly	2 oz	3	225	0	0.85
Seed 18	Grenade Fuze Assembly	2 oz	1	0	0	0.23
Seed 19	Steel Scrap	2 oz	6	0	0	NS
Seed 20	Steel Scrap	4 oz	3	0	0	1.28
Seed 21	Steel Scrap	3 oz	9	0	0	0.75

Notes:

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