# DIAMOND DRILLING

Township: Denton

Report No: 30

WORK PERFORMED FOR: Golden Range Resources Inc.

RECORDED HOLDER: SAME AS ABOVE [x]

: OTHER [ ]

| CLAIM NO. | HOLE NO. | FOOTAGE | DATE | NOTE |
|---|---|---|---|---|
| P 624124 | D-1-85 | 202' | Sept-Oct/85 | (1) |
| | D-2-85 | 206' | Oct/85 | (1) |
| | D-3-85 | 136' | Oct/85 | (1) |

NOTES: (1) #448-85

GOLDEN RANGE RESOURCES INC.

# DIAMOND DRILL HOLE LOG

HOLE No. D-1-85 Page 1 of 2

BQ Core drilled by O. Hicks - Logged by I. Coster - October, 1985

| FOOTAGE FROM | FOOTAGE TO | ROCK TYPE AND DESCRIPTION (alteration, structure, mineralization) | CORE ANGLES TO AXIS | % SULPHIDES | SAMPLE NUMBER | SAMPLE FROM | SAMPLE TO | SAMPLE LENGTH | Analytical Result: |
|---|---|---|---|---|---|---|---|---|---|
| 0' | 34'4" | CASING (OVB) | | | | | | | |
| 34'4" | 118'0" | DACITIC TUFF AND CRYSTAL TUFF | | | | | | | |
| | | - identical to uppermost unit in DDH D285 | | | | | | | |
| | | - variably foliated at 45° to CA and locally massive | 45° | 2% | | | | | |
| | | - locally hosts wisps, clots and disseminations of pyrrhotite with an overall content of up to 2% and locally 5% over one foot | | | | | | | |
| | | - pyrite and chalcopyrite as trace disseminations associated with pyrrhotite | | 5% | | 42'0" | 44'0" | 2' | |
| | | - from 82'10" to 85'3" is quartz-carbonate veins, mainly glassy-bull quartz; upper contact at 40° to CA, lower contact at 50° to CA | 40°<br>50° | 2% | | | | | |
| | | ↳one foot of vein material lost core (ground) | | | | | | | |
| | | - similar vein at 88'3" to 88'7" has sericitized wallrock, contains 2% pyrrhotite | | 2% | | 88'3" | 88'7" | 0'4" | |
| | | ↳upper contact 40° lower contact 70° | 40°<br>70° | | | | | | |
| | | - near lower end of unit tuff hosts more lapilli and grades into lapilli tuff | | | | | | | |
| | | - unit is weakly carbonatized, moderately sericitic and chloritic; felsic fragments are strongly carbonatized | 55° | 2-3%<br>4% | | 108'0<br>115'0 | 111'0"<br>118'0" | 3'<br>3' | |
| 118'0" | 130'3" | INTERMEDIATE LAPILLI TUFF | | | | | | | |
| | | - lapilli mainly composed of felsic volcanic (?) material, strongly carbonatized, irregularly shaped and subrounded; lapilli comprise 10-40% of core, and average ≤ 1 inch in size | | 4% | | 118'0 | 120'0" | 2' | |
| | | - matrix is "dirty", chloritic, sericitic and calcareous and hosts an average of 5% pyrrhotite with traces of pyrite and chalcopyrite, all as matrix wisps as disseminations | | 6%<br>2-3% | | 120'0<br>125'0 | 125'0"<br>130'3" | 5'<br>5'3" | |
| | | - matrix also hosts, locally, up to 10% crystals of plagioclase | | | | | | | |
| | | - unit is weakly foliated to massive ? | 68° | | | | | | |

Ian Coster

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GOLDEN RANGE RESOURCES INC.

# DIAMOND DRILL HOLE LOG

HOLE No. D-1-85 Page 2 of 2

| FOOTAGE FROM | FOOTAGE TO | ROCK TYPE AND DESCRIPTION (alteration, structure, mineralization) | CORE ANGLES TO AXIS | % SULPHIDES | SAMPLE NUMBER | SAMPLE FROM | SAMPLE TO | SAMPLE LENGTH | Analytical Result: |
|---|---|---|---|---|---|---|---|---|---|
| 130'3" | 133'7" | TUFFACEOUS SERICITE SCHIST<br>- fairly abrupt contact with upper unit and lower unit<br>- strongly foliated (schistose) at 55° to CA<br>- hosts 5% stretched (3:1) felsic lapilli as well as an average of 5% rounded (stretched?) plagioclase crystals<br>- pyrrhotite occurs as thin wisps parallel to foliation rock is weakly calcareous and moderately chloritic | 55° | 2% | | 130'3" | 133'7" | 3'4" | |
| 133'7" | 139'0" | INTERMEDIATE LAPILLI TUFF (AS 118'0" - 130'3")<br>- now moderately foliated at 60° to CA | 60° | | | | | | |
| 139'0" | 202'0" (EOH) | VARIABLE DACITIC TUFF, CRYSTAL TUFF, LAPILLI TUFF<br>- plagioclase crystals and felsic lapilli occur sporatically in concentrations of up to 30% but generally ubiquitously, for entire section, on average 8% each | | 4% | | 145'0" | 147'0" | 2' | |
| | | - matrix is intermediate in composition, sericitic, chloritic and calcareous<br>- lapilli mainly white felsic, and strongly carbonatized<br>- unit is variably moderately foliated at 60° to CA to massive | 60° | | | | | | |
| | | - pyrrhotite occurs as fine wisps parallel to foliation and as fine disseminations, generally associated with felsic fragments | 60° | | | | | | |
| | | - trace pyrite occurs as coarse cube and as fine disseminations | | 2% | | 157'0" | 159'0" | 2' | |
| | | - 15" lost core (ground?) between 163' and 165' | | 2-3% | | 166'0" | 168'0" | 2' | |
| | | - from 174'2" to 175'4" is series of 4 quartz veins, one of which is from 174'9" to 175'4" cutting core at 70° to 90° to CA | 70°<br>90° | | | | | | |
| | | ↳quartz is bull, carrying minor carbonate and chlorite | | | | | | | |
| | | - another highly irregular veinlet at 176'8" is less than one inch wide, but has intensely sericitized wallrock for 6" either side | | tr. | | 176'3" | 177'3" | 1' | |
| | | ↳veinlet carries coarse carbonate (calcite) and trace coarse pyrrhotite | | 1-2% | | 200'3" | 202'0" | 1'9" | |
| | | 202'0" - EOH | | | | | | | |

| FOOTAGE FROM | FOOTAGE TO | ROCK TYPE AND DESCRIPTION (alteration, structure, mineralization) | CORE ANGLES TO AXIS | % SULPHIDES | SAMPLE NUMBER | SAMPLE FROM | SAMPLE TO | SAMPLE LENGTH | Analytical Result: |
|---|---|---|---|---|---|---|---|---|---|
| 80'3" | 96'9" | DACITIC TUFF AND CRYSTAL TUFF (AS 23'0"-76'8") | | | | | | | |
| | | NOTE: marker at 83'2" is marked 80'2" and the markers from then on to 152'6" are all 3 feet off. | | | | | | | |
| | | * See note at 151' | 62° | | | | | | |
| | | From 80'9" to 83'9" contains average of 6% wispy pyrrhotite | | 6% | | 80'9" | 83'9" | 3' | |
| 96'9" | 123'3" | PYRRHOTITIC INTERMEDIATE TUFF | | | | | | | |
| | | - gradational change from above dacitic tuff and crystal tuff; different in that this unit contains far less (5%) crystal (?) of plagioclase; also getting more fine chloritic sections downhole | | | | | | | |
| | | - weakly to moderately calcareous | | | | | | | |
| | | - pyrrhotite and chlorite occurring as moderately contorted wisps and clots; only trace pyrite noted and no chalcopyrite | | 4% | | 96'9" | 101'9" | 5' | |
| | | | | 6% | | 101'9" | 106'9" | 5' | |
| | | - core angles variable from 50° to CA to 60° to CA due to contorted bedding/foliation | | 8% | | 106'9" | 111'2" | 4'5" | |
| | | | 50° | 8% | H0234 | 111'2" | 111'10" | 0'8" | |
| | | - chlorite content increasing downhole so that this unit has gradational contact with mafic tuff | 60° | 6% | | 111'10" | 116'10" | 5' | |
| | | | | 4% | H0235 | 116'10" | 117'3" | 0'5" | |
| | | - 16 inches of lost (ground?) core probably within quartz vein at 126'4" | | 5% | | 117'3" | 121'3" | 5' | |
| | | | | 4% | | 121'3" | 123'3" | 2' | |
| 123'3" | 130'6" | FOLIATED MAFIC TUFF | | | | | | | |
| | | - well foliated at ≪ 68° to CA | 68° | | | | | | |
| | | - contains mafic (chloritic) and felsic lapilli 21 cm long stretched (flattened?) 2:1 | | | | | | | |
| | | - moderately chloritic as wisps parallel to foliation | | | | | | | |
| | | - bull quartz vein at 124'2" terminates abruptly at marker (suspect lost core here) at 126'4" with only a few inches of vein present → 4" of vein material on other side of marker looks different | | 1% | | | | | |
| | | - up to 1% pyrrhotite wisps parallel to foliation as well as trace pyrite cubes | | | | | | | |

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PROJECT DENTON TWP

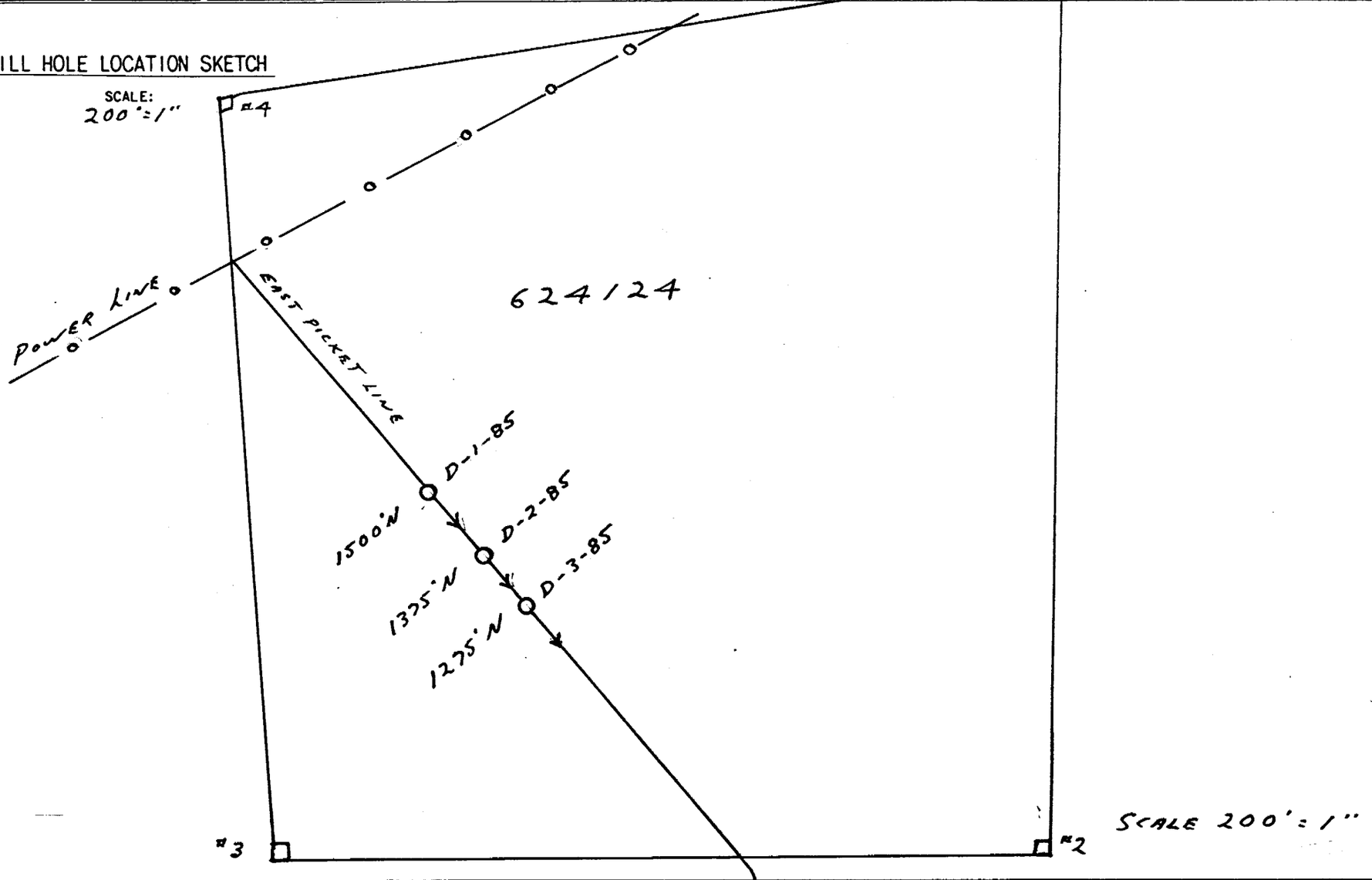
GOLDEN RANGE RESOURCES INC.

# DIAMOND DRILL HOLE RECORD

HOLE No. D-1-85

| LOCATION | DIP TEST | | LEVEL | HORIZONTAL COMPONENT | DATE STARTED SEPT 24/85 |
|---|---|---|---|---|---|
| AREA or TWP. DENTON | FOOTAGE | ANGLE RECORDING / CORRECTED | | VERTICAL COMPONENT | DATE FINISHED OCT 1/85 |
| CLAIM No. 624124 | SURFACE | -60° | ELEVATION | BEARING 150° | LOGGED BY I. COSTER OCT 85 |
| NTS 42-A-5 UTM | | | LATITUDE | LENGTH 2021 | PURPOSE |
| | | | DEPARTURE | CORE LOCATION WARE HOUSE-MID-CANADA #1 | TOT. RECOVERY |

## DIAMOND DRILL HOLE LOCATION SKETCH



GOLDEN RANGE RESOURCES INC.

# DIAMOND DRILL HOLE LOG

HOLE No. D-2-85 Page 3 of 4

| FOOTAGE FROM | FOOTAGE TO | ROCK TYPE AND DESCRIPTION (alteration, structure, mineralization) | CORE ANGLES TO AXIS | % SULPHIDES | SAMPLE NUMBER | SAMPLE FROM | SAMPLE TO | SAMPLE LENGTH | Analytical Result: |
|---|---|---|---|---|---|---|---|---|---|
| 130'6" | 149'6" | MAFIC TUFF OR FLOW<br>- non-foliated, fine grained although there are slight variations<br>- compositionally made up of 50:50 feldspar and chlorite<br>- gradational contact to unit above and below | | tr. | | | | | |
| 149'6" | 206'0" (EOH) | FOLIATED MAFIC TO INTERMEDIATE TUFF<br>NOTE: at approximately 151 feet is a marker "ground" (apparently one foot was ground) and then 1'6" later is marker 152'6" ← suspect mistake that occurred at marker 83'2" has now corrected itself. | | | | | | | |
| | | - quartz vein at 151'4" upper contact at 65 to CA vein rehealed with white carbonate and sericite and contains inclusions of foliated mafic tuff; also hosts 1% pyrrhotite and trace pyrite; lower contact at 156'10" at 50° | 65°<br>50° | 1% | | 151'4" | 156'10" | 5'6" | |
| | | - this unit contains more felsic fragments and lamillae than [123'3" to 130'6"] | 70° | | | | | | |
| | | - sulphides are wispy pyrrhotite parallel to foliation as well as disseminations; also disseminated and coarse cubic pyrite<br>↳ content variable from up to 1% at top of unit to 8% near 185' | | 2%<br>4% | | 166'0"<br>171'0" | 171'0"<br>176'0" | 5'<br>5' | |
| | | - sulphides occur as a syngenetic matrix similar in style to [96'9" to 123'3"] | | 4%<br>5% | | 176'0"<br>180'0' | 180'0"<br>185'0" | 4'<br>5' | |
| | | - tuff is variable in that in places has a felsic matrix hosting mafic (chloritic) lapilli, and in others has a chloritic matrix hosting felsic lapilli (matrix sulphides are associated with more felsic lapilli) | | 8%<br>4%<br>3% | | 185'0"<br>190'0"<br>195'0" | 190'0"<br>195'0"<br>198'1" | 5'<br>5'<br>3'1" | |

GOLDEN RANGE RESOURCES INC.

# DIAMOND DRILL HOLE LOG

PROJECT DENTON TWP

HOLE No. D-2-85 Page 1 of 4

BQ Core drilled by O. Hicks - Logged by I. Coster - October, 1985

| FOOTAGE FROM | FOOTAGE TO | ROCK TYPE AND DESCRIPTION (alteration, structure, mineralization) | CORE ANGLES TO AXIS | % SULPHIDES | SAMPLE NUMBER | SAMPLE FROM | SAMPLE TO | SAMPLE LENGTH | Analytical Result: |
|---|---|---|---|---|---|---|---|---|---|
| 0' | 23' | CASING (OVB) | | | | | | | |
| 23' | 76'8" | DACITIC TUFF AND CRYSTAL TUFF | | | | | | | |
| | | - variably foliated at 48° to CA and in areas, almost massive | 48° | | | | | | |
| | | - locally contains up to 20% crystals (?) of plagioclase | | 2-5%pø | | | | | |
| | | - locally contains up to 15% white, felsic lapilli, subangular, stretched 2:1 parallel to foliation | | | | | | | |
| | | - locally hosts wisps, clots and disseminations of pyrrhotite with an overall content of up to 2% and locally 5% over one foot | | tr.py | | | | | |
| | | - pyrite and chalcopyrite as trace disseminations associated with pyrrhotite | | tr.cpy | | | | | |
| | | - carbonate content variable from trace to 3% but usually is found as streaks parallel to foliation in association with pyrrhotite mineralization | | | | | | | |
| | | - fine chlorite and sericite are ubiquitous and are alligned parallel to foliation | | | | | | | |
| | | from 49.6 to 51.0 contains 4% pyrrhotite, trace pyrite as finely crystalline streaks, blebs and disseminations | 55° | 4% | | 49'6" | 51'0" | 1'5" | |
| | | - 11" lost core from 65'7½" to 67'6½" | | | | | | | (lost core) |
| | | from 65'7½" to 67'10" quartz vein with carbonate rehealed fractures and trace coarsely cubic pyrite | | tr.py | | 65'7½" | 67'10" | 1' | |
| | | - from 72'0" to 75'6" contains 5% pyrrhotite, trace pyrite and chalcopyrite as finely crystalline streaks, blebs and disseminations | | 5% | | 72'0"<br>74'0" | 74'0"<br>75'6" | 2'<br>1'6" | |
| 76'8" | 80'3" | QUARTZ-SERICITE-CARBONATE SCHIST | | | | | | | |
| | | - still tuffaceous in character (fragments evident) only strongly foliated at 60° to CA | 60° | 1-2% | | | | | |
| | | - moderately to strongly calcareous, pervasively and as wisps parallel to foliation | | | | | | | |
| | | - contains from trace to 2% finely disseminated and fine wispy pyrrhotite | | | | | | | |

Dan Coster

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# DIAMOND DRILL HOLE LOG

HOLE No. D-2-85 Page 4 of 4

| FOOTAGE FROM | FOOTAGE TO | ROCK TYPE AND DESCRIPTION (alteration, structure, mineralization) | CORE ANGLES TO AXIS | % SULPHIDES | SAMPLE NUMBER | SAMPLE FROM | SAMPLE TO | SAMPLE LENGTH | Analytical Result: |
|---|---|---|---|---|---|---|---|---|---|
| | | Cont'd | | | | | | | |
| | | - occasional feldspar crystals present | | | | | | | |
| | | - from 198'1" to EOH all split when logged | | 2% | H0246 | 198'1" | 199'4" | 1'3" | |
| | | | | 2% | H0245 | 199'4" | 200'5" | 1'1" | |
| | | | | 1-2% | H0244 | 200'5" | 201'6" | 1'1" | |
| | | | | 1% | H0243 | 201'6" | 202'8" | 1'2" | |
| | | - 2" split quartz veinlet contains chalcopyrite | | 5% | H0242 | 202'8" | 202'10" | 0'2" | |
| | | - possible dike | | 1% | H0241 | 202'10" | 203'6" | 0'8" | |
| | | - quartz veinlet | | tr. | H0240 | 203'6" | 203'11" | 0'5" | |
| | | | | 3% | H0239 | 203'11" | 204'6" | 0'7" | |
| | | - quartz carbonate vein | | 1% | H0238 | 204'7" | 206'0" | 1'5" | |
| | | EOH - 206'0" | | | | | | | |

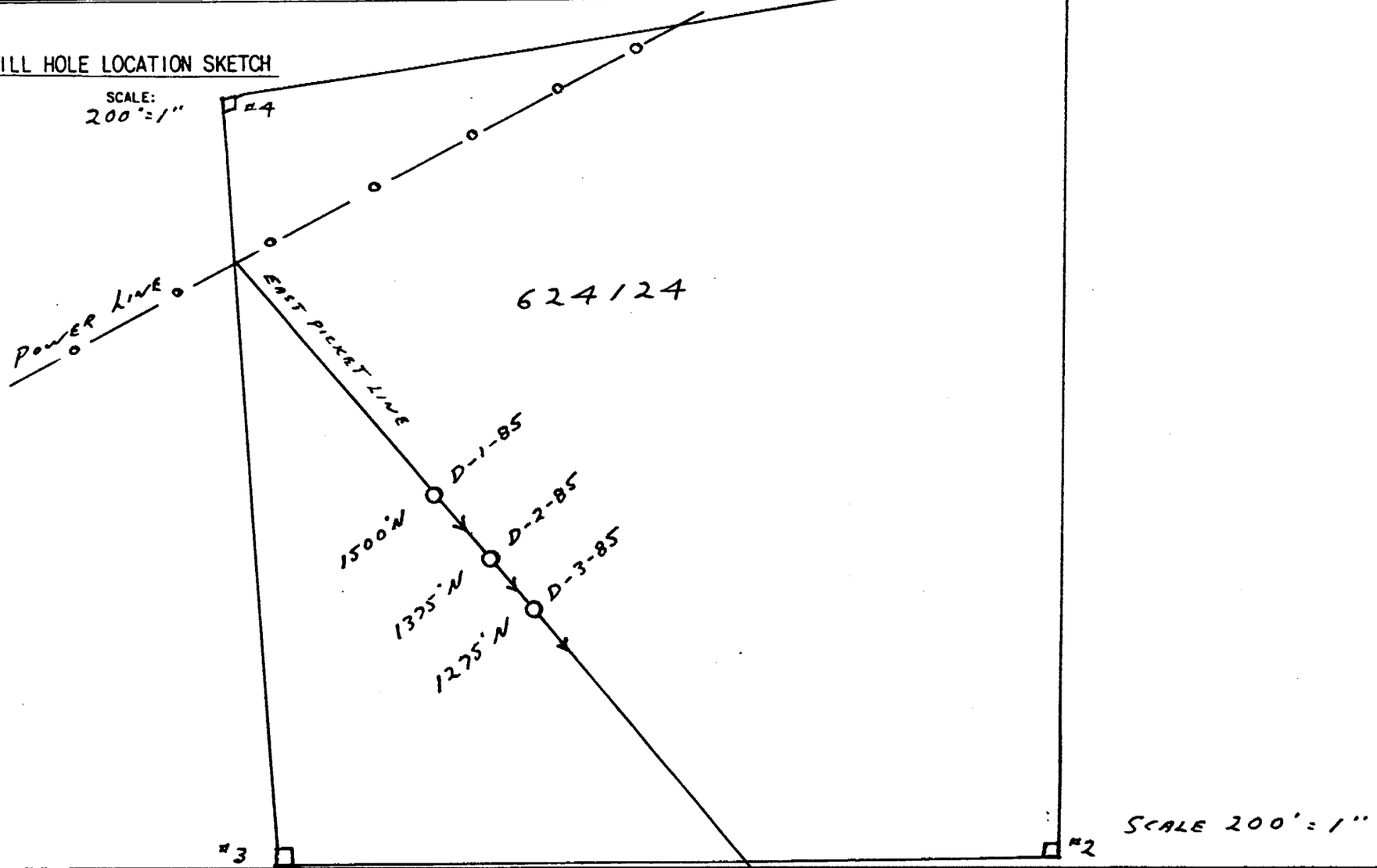
GOLDEN RANGE RESOURCES INC.

# DIAMOND DRILL HOLE RECORD

HOLE No. D-2-85

| LOCATION | DIP TEST | | | LEVEL | HORIZONTAL COMPONENT | DATE STARTED Oct 4/85 |
|---|---|---|---|---|---|---|
| AREA or TWP. DENTON | FOOTAGE | ANGLE RECORDING | ANGLE CORRECTED | | VERTICAL COMPONENT | DATE FINISHED Oct 10/85 |
| CLAIM No. 624124 | SURFACE | 50° | | ELEVATION | BEARING 150° | LOGGED BY I. COSTER Oct 85 |
| NTS 42-A-5 UTM | | | | LATITUDE | LENGTH 206' | PURPOSE |
| | | | | DEPARTURE | CORE LOCATION WARE HOUSE-MID-CANADA | TOT. RECOVERY |

DIAMOND DRILL HOLE LOCATION SKETCH



GOLDEN RANGE RESOURCES INC.

# DIAMOND DRILL HOLE LOG

PROJECT DENTON TWP

HOLE No. D-3-85 Page 1 of 3

BQ Core drilled by O. Hicks - Logged by N. Caira - October, 1985

| FOOTAGE FROM | FOOTAGE TO | ROCK TYPE AND DESCRIPTION (alteration, structure, mineralization) | CORE ANGLES TO AXIS | % SULPHIDES | SAMPLE NUMBER | SAMPLE FROM | SAMPLE TO | SAMPLE LENGTH | Analytical Result: |
|---|---|---|---|---|---|---|---|---|---|
| 0 | 21' | Casing (Overburden) | | | | | | | |
| 21' | 42'6" | DACITIC COARSE ASH TUFF | | | | | | | |
| | | - massive; light green-grey; mottled texture with clots of chlorite imparting a speckled appearance, minor 1-2 mm carbonate stringers at 030° to CA; minor quartz (carbonate) veining from 2" - 5" at 030° to CA, quartz veining contains chlorite inclusions with calcite coated fractures, contacts of veins are foliated, chlorite-rich | 030° | | | | | | |
| | | | 030° | tr.pv | H0282 | 23' | 23'7" | 7" | |
| | | - overall mineralization is trace finely disseminated pyrite | | tr.py | | | | | |
| 42'6" | 100' | DACITIC COARSE ASH TUFF (± LAPILLI AND/OR CRYSTALS) | | | | | | | |
| | | - moderately well foliated at 048° to CA; foliation planes lined with chlorite ± ricite ± carbonate | 048° | | | | | | |
| | | - locally contains white crystals (feldspar?) 1 mm-3 mm, in places crystals comprise up to 20% of rock | | | | | | | |
| | | - locally hosts wisps, clots, bands and disseminations of pyrrhotite and coarse cubes 1-2 mm of pyrite | | | | | | | |
| | | - highest concentrations of bands of pyrrhotite are from 51' - 51'8", 53'10" - 55'2", 55'7" to 73'10", with concentrations reaching as high as 10% of the rock over one foot | | 5%pø | H0283 | 51' | 51'8" | 0'8" | |
| | | | | 5%pø | H0284 | 59'9" | 61'0" | 1'3" | |
| | | | | 8%pø | H0285 | 61'2" | 62'3" | 1'1" | |
| | | - hydrothermal alteration has bleached the rock leaving irregularly shaped patches of dark green tuff | | 3%pø | H0286 | 62'3" | 63' | 0'9" | |
| | | - from 61'2" - 62'3" sample of dacitic tuff with 8% massive 1 - 4 mm brown pyrrhotite bands, rock is weakly carbonatized, weakly sericitized | | 6%pø | H0287 | 65' | 70' | 5' | |
| | | | | 5%pø | H0288 | 70' | 74' | 4' | |
| | | | 048° | 7%pø | H0289 | 80' | 84' | 4' | |
| | | - from 59'9" - 74' moderate pyrrhotite mineralization in the form of bands parallel to foliation at 048° to CA | | | | | | | |
| | | - at 85' increase in calcite stringers 1-2 mm at 015° to CA | | 4%pø | | | | | |
| | | | 015° | tr.py | H0290 | 84' | 89'3" | 5'3" | |

Madia Caira

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| FOOTAGE FROM | FOOTAGE TO | ROCK TYPE AND DESCRIPTION (alteration, structure, mineralization) | CORE ANGLES TO AXIS | % SULPHIDES | SAMPLE NUMBER | SAMPLE FROM | SAMPLE TO | SAMPLE LENGTH | Analytical Result: |
|---|---|---|---|---|---|---|---|---|---|
| | | Cont'd. | | | | | | | |
| | | - locally rock is sericitized - silicified to a grey-white colour with blotches of green-subangular, occasionally look like lapilli? | | 3%pø<br>5%pø | H0291<br>H0292 | 89'3"<br>94' | 94'<br>100' | 4'9"<br>6' | |
| | | - from 85' downhole, increase in pyrite blebs and disseminations | | | | | | | |
| 100' | 103'3" | DACITIC LAPILLI ASH TUFF | | | | | | | |
| | | - moderately foliated at 048° to CA; crowded with 1 cm-2cm intermediate lapilli | | | | | | | |
| | | - rock grades quickly into coarse ash tuff towards 103'3" | | | | | | | |
| | | - from 100-103'3" tuff is cut by chalcedonic grey quartz stringers as an erratic stockwork; mineralization in tuff is comprised of pyrite as stringers and fine disseminations up to 2% and pyrrhotite as bands up to 3% | | 2%py<br>3%pø | H0293 | 100' | 103'3" | 3'3" | |
| 103'3" | 110'8" | WELL BEDDED DACITIC FINE AND COARSE ASH TUFF (with minor crystal tuff) | | | | | | | |
| | | - rock varies from massive to wellbedded, more massive where coarser ash occurs | 048° | | | | | | |
| | | - strongly chloritic along fracture and foliation surfaces with variable carbonatization | | | | | | | |
| | | - from 109 - 110'8", 10% white 1-2 mm feldspar crystals occur | | 4%py<br>pø | H0294 | 107' | 110'8" | 3'8" | |
| | | - from 107 - 110'8" increase in stringer and disseminated pyrite and pyrrhotite up to 4% combined | | | | | | | |
| 110'8" | 116' | DACITIC FINE ASH TUFF | | | | | | | |
| | | - well foliated, siliceous, fine ash tuff, green in colour | | | | | | | |
| | | - from 110'8" to 116'3" rock contains occasional white quartz-rich bands parallel to foliation at 050° to CA | 050° | | | | | | |
| | | - mineralization to 116'3" includes pyrrhotite wisps, bands and disseminations up to 7% | | 7%pø | H0295 | 110'8" | 116'0" | 5'4" | |

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GOLDEN RANGE RESOURCES INC.

# DIAMOND DRILL HOLE LOG

PROJECT DENTON TWP

HOLE No. D-3-85 Page 3 of 3

| FOOTAGE FROM | FOOTAGE TO | ROCK TYPE AND DESCRIPTION (alteration, structure, mineralization) | CORE ANGLES TO AXIS | % SULPHIDES | SAMPLE NUMBER | SAMPLE FROM | SAMPLE TO | SAMPLE LENGTH | Analytical Result: |
|---|---|---|---|---|---|---|---|---|---|
| 116' | 121'8" | QUARTZ SERICITE SCHIST<br>lost core from 118'-120'<br>- still tuffaceous in character; strongly foliated at 052° to CA<br>- consists of bands from 2 mm - 1 cm of grey chalcedonic quartz and yellow sericite<br>- mineralization includes pyrrhotite bands concentrated between quartz and sericite-chlorite beds - up to 4% pyrrhotite, trace pyrite | 052° | 4%pø<br>tr.pỳ | H0296 | 116' | 121'8" | 5'8" | |
| 121'8" | 123'2" | DACITIC FINE ASH TUFF<br>as 110'8" - 116'<br>- tuff is more massive here increasing in foliation towards 123'2" | | | | | | | |
| 123'2" | 129'10" | SERICITE SCHIST<br>presumed lost core from 125' - 126'10"<br>- from 123' - 130' yellow, foliated sericite schist with intermittent bands of 1 - 3 mm pyrrhotite at 060° to CA, up to 2% pyrrhotite with occasional wisps | 060° | 2%pø | H0298 | 128' | 130' | 2'0" | |
| 129'10" | 133'8" | QUARTZ-SERICITE SCHIST (FELSIC TUFF?)<br>- contorted, folded sequence of sericitic tuff injected with quartz veins roughly parallel to foliation<br>- from 130' - 131'4" a massive white quartz vein occurs with 5% blebs and wisps, with bands of pyrrhotite concentrated along vein selvage and trace chalcopyrite<br>- from 131'4" - 133'8" massive bands of pyrrhotite, stringers of chalcopyrite and massive blebs of pyrrhotite comprising up to 20% over 1 foot | | 5%pø<br>tr.cp<br><br>10%pø<br>cp | H0299<br><br>H0300 | 130'<br><br>131'4" | 131'4"<br><br>133'8" | 1'4"<br><br>2'4" | |
| 133'8" | 136' | DACITIC FINE ASH TUFF<br>as 110'8" - 116'<br>- increase in carbonate stringers parallel to foliation at 055° to CA<br>- trace pyrrhotite as blebs<br>- hit milky white quartz vein at 010° to CA at bottom of hole | 055° | tr.pø | | | | | |
| | END | 136' | | | | | | | |

GOLDEN RANGE RESOURCES INC.

# DIAMOND DRILL HOLE LOG

PROJECT DENTON TWP

HOLE No. D-3-85 Page 3 of 3

| FOOTAGE FROM | FOOTAGE TO | ROCK TYPE AND DESCRIPTION (alteration, structure, mineralization) | CORE ANGLES TO AXIS | % SULPHIDES | SAMPLE NUMBER | SAMPLE FROM | SAMPLE TO | SAMPLE LENGTH | Analytical Result: |
|---|---|---|---|---|---|---|---|---|---|
| 116' | 121'8" | QUARTZ SERICITE SCHIST<br>lost core from 118'-120'<br>- still tuffaceous in character; strongly foliated at 052° to CA<br>- consists of bands from 2 mm - 1 cm of grey chalcedonic quartz and yellow sericite<br>- mineralization includes pyrrhotite bands concentrated between quartz and sericite-chlorite beds - up to 4% pyrrhotite, trace pyrite | 052° | 4%pø<br>tr.py | H0296 | 116' | 121'8" | 5'8" | |
| 121'8" | 123'2" | DACITIC FINE ASH TUFF<br>as 110'8" - 116'<br>- tuff is more massive here increasing in foliation towards 123'2" | | | | | | | |
| 123'2" | 129'10" | SERICITE SCHIST<br>presumed lost core from 125' - 126'10"<br>- from 123' - 130' yellow, foliated sericite schist with intermittent bands of 1 - 3 mm pyrrhotite at 060° to CA, up to 2% pyrrhotite with occasional wisps | 060° | 2%pø | H0298 | 128' | 130' | 2'0" | |
| 129'10" | 133'8" | QUARTZ-SERICITE SCHIST (FELSIC TUFF?)<br>- contorted, folded sequence of sericitic tuff injected with quartz veins roughly parallel to foliation<br>- from 130' - 131'4" a massive white quartz vein occurs with 5% blebs and wisps, with bands of pyrrhotite concentrated along vein selvage and trace chalcopyrite<br>- from 131'4" - 133'8" massive bands of pyrrhotite, stringers of chalcopyrite and massive blebs of pyrrhotite comprising up to 20% over 1 foot | | 5%pø<br>tr.cp | H0299 | 130' | 131'4" | 1'4" | |
| | | | | 10%pø<br>cp | H0300 | 131'4" | 133'8" | 2'4" | |
| 133'8" | 136' | DACITIC FINE ASH TUFF<br>as 110'8" - 116'<br>- increase in carbonate stringers parallel to foliation at 055° to CA<br>- trace pyrrhotite as blebs<br>- hit milky white quartz vein at 010° to CA at bottom of hole | 055° | tr.pø | | | | | |
| | END | 136' | | | | | | | |

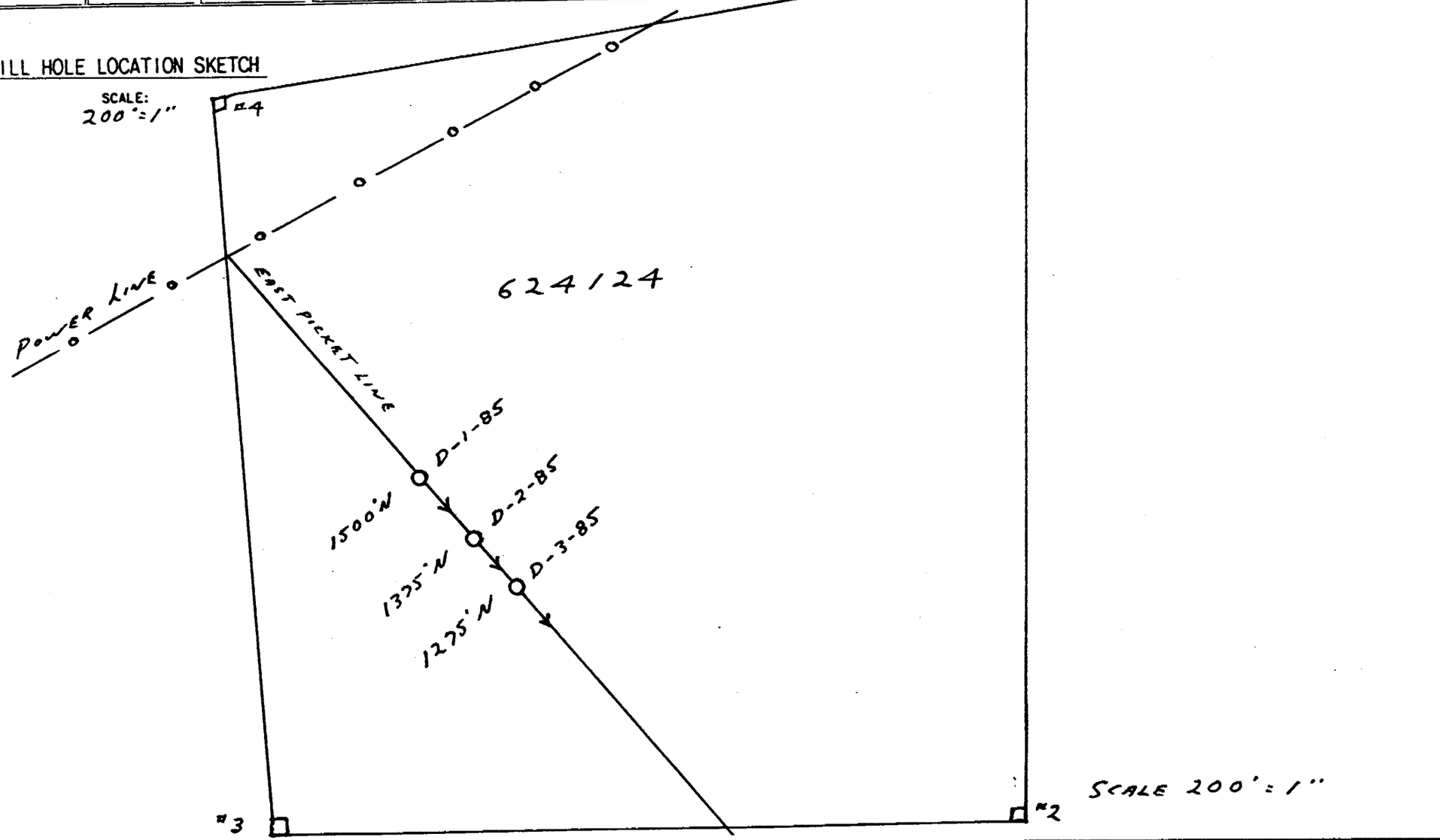
GOLDEN RANGE RESOURCES INC.

# DIAMOND DRILL HOLE RECORD

HOLE No. D-3-85

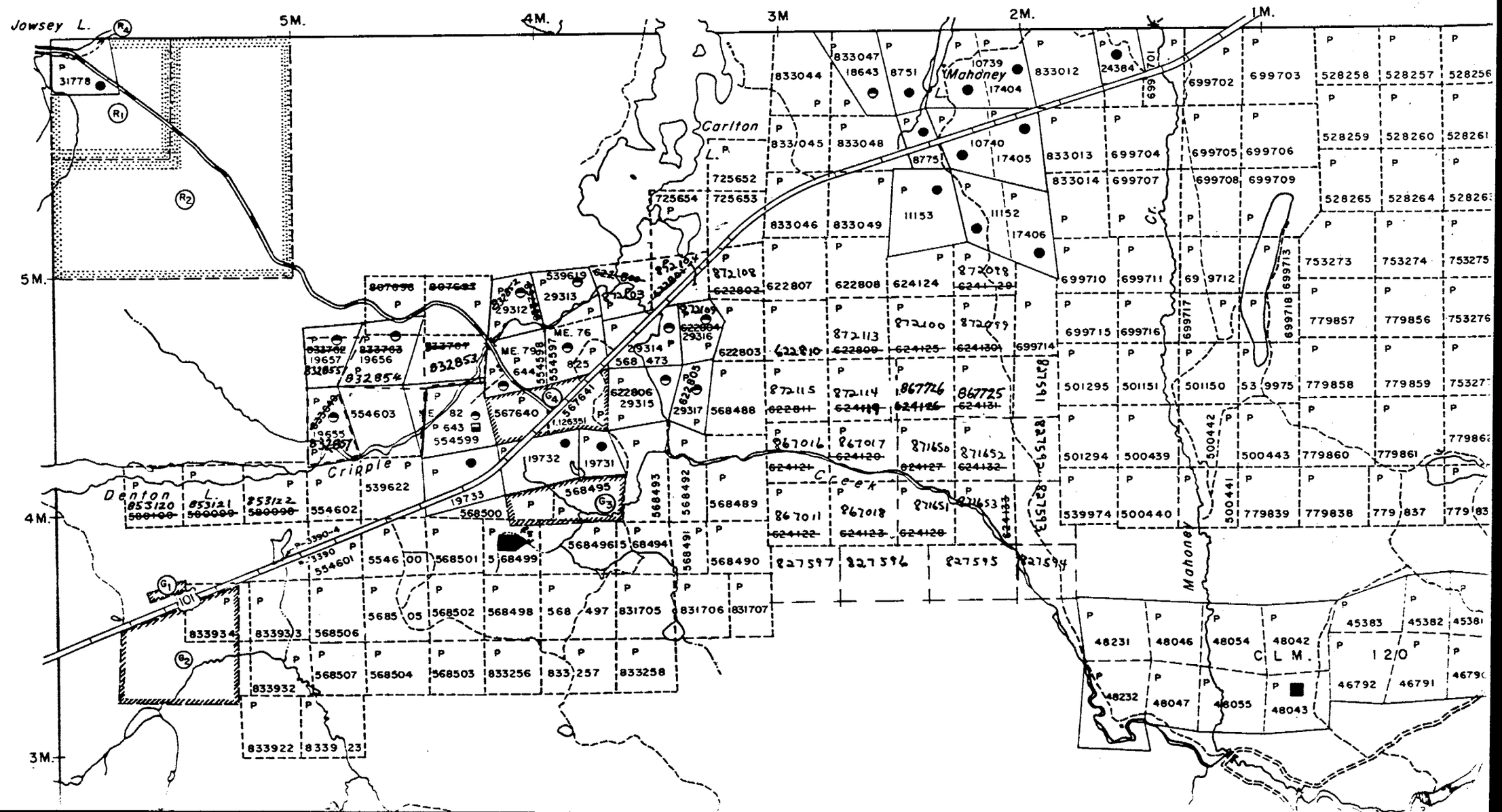
| LOCATION | DIP TEST | | | LEVEL | HORIZONTAL COMPONENT | DATE STARTED Oct 12/85 |
|---|---|---|---|---|---|---|
| AREA or TWP. DENTON | FOOTAGE | ANGLE RECORDING | ANGLE CORRECTED | | VERTICAL COMPONENT | DATE FINISHED Oct 15/85 |
| CLAIM No. 624124 | SURFACE | 68° | | ELEVATION | BEARING 150° | LOGGED BY N. CAIRA Oct 85 |
| NTS 42-A-5 UTM | | | | LATITUDE | LENGTH 136' | PURPOSE |
| | | | | DEPARTURE | CORE LOCATION WARE HOUSE-MID-CANADA #1 | TOT. RECOVERY |

DIAMOND DRILL HOLE LOCATION SKETCH



# CARSCALLEN TWP.

Denton Twp. C3224



Ministry of Natural Resources — Ontario

# Report of Work

#448/85

The Mining

42A05SE0133 30 DENTON

900

Name and Postal Address of Recorded Holder

GOLDEN RANGE RESOURCES INC. — T-1324

189 Preston Street, Timmins, Ontario P4N 3N4

## Summary of Work Performance and Distribution of Credits

Total Work Days Cr. claimed ~~648~~ 544

for Performance of the following work. (Check one only)

- ☐ Manual Work
- ☐ Shaft Sinking Drifting or other Lateral Work.
- ☐ Compressed Air, other Power driven or mechanical equip.
- ☐ Power Stripping
- ☒ Diamond or other Core drilling
- ☐ Land Survey

| Mining Claim Prefix | Mining Claim Number | Work Days Cr. | Mining Claim Prefix | Mining Claim Number | Work Days Cr. | Mining Claim Prefix | Mining Claim Number | Work Days Cr. |
|---|---|---|---|---|---|---|---|---|
| P | 622803 | ~~100~~ 80 | | | | | | |
| [redacted] | 622805 | ~~100~~ 80 | [redacted] | | | [redacted] | | |
| | 622806 | ~~100~~ 80 | | | | | | |
| | 622807 | ~~100~~ 80 | | | | | | |
| | 622808 | ~~80~~ 80 | | | | | | |
| | 622810 | ~~80~~ 80 | | | | | | |
| | 624124 | ~~80~~ 64 | | | | | | |
| | | | | | | | | |

All the work was performed on Mining Claim(s): ~~872100~~ - 624124

## Required Information eg: type of equipment, Names, Addresses, etc. (See Table Below)

JKS - Winkie Drill 1-3/8" Core

Orville E. Hicks 189 Preston Street, Timmins, Ontario P4N 3N4

Gilles Brule 51 Lincoln Ave., Timmins, Ontario

Daniel Rochon Porcupine, Ontario

Lloyd W. Hanninen 46 Harold, South Porcupine, Ontario PON 1H0

PORCUPINE MINING DIVISION
RECEIVED
NOV 29 1985

ONTARIO GEOLOGICAL SURVEY
ASSESSMENT FILES
RESEARCH OFFICE
JAN 13 1986
RECEIVED

RECORDED
NOV 29 1985

| Date of Report | Recorded Holder or Agent (Signature) |
|---|---|
| November 28/85 | [signature] |

## Certification Verifying Report of Work

I hereby certify that I have a personal and intimate knowledge of the facts set forth in the Report of Work annexed hereto, having performed the work or witnessed same during and/or after its completion and the annexed report is true.

Name and Postal Address of Person Certifying

Orville E. Hicks, 189 Preston Street, Timmins, Ontario P4N 3N4

| Date Certified | Certified by (Signature) |
|---|---|
| November 28/85 | [signature] |

## Table of Information/Attachments Required by the Mining Recorder

| Type of Work | Specific information per type | Other information (Common to 2 or more types) | Attachments |
|---|---|---|---|
| Manual Work | Nil | Names and addresses of men who performed manual work/operated equipment, together with dates and hours of employment. | Work Sketch: these are required to show the location and extent of work in relation to the nearest claim post. |
| Shaft Sinking, Drifting or other Lateral Work | | | |
| Compressed air, other power driven or mechanical equip. | Type of equipment | | |
| Power Stripping | Type of equipment and amount expended. **Note:** Proof of actual cost must be submitted within 30 days of recording. | Names and addresses of owner or operator together with dates when drilling/stripping done. | |
| Diamond or other core drilling | Signed core log showing; footage, diameter of core, number and angles of holes. | | Work Sketch (as above) in duplicate |
| Land Survey | Name and address of Ontario land surveyer. | Nil | Nil |

768 (81/3)