

|                                                       |                              |                                                      |
|-------------------------------------------------------|------------------------------|------------------------------------------------------|
| PROJECT: Mary March                                   | COLLAR AZIMUTH: 132.6 °      | DRILLED BY: Springdale Forest Resources              |
| LOCATION: Mary March Park Area, Buchans, Nfld; 12A/15 | COLLAR DIP: - 46.3°          | STARTED: November 17, 2012                           |
| MINERAL ZONE: Nancy April                             | CORE SIZE: NQ                | COMPLETED: November 19, 2012                         |
| UTM NAD27(gps): 5408481 N; 533592 E Elev.: 210 m      | LENGTH OF HOLE: 301.0 metres | CORE STORED: Mary March JV Core facility, Millertown |
| GRID COOR: L N & E Elev.: m                           | LOGGED BY: B. Greene         | No. of Core Boxes: 73                                |

| From | To    | Lithology                 | CODE | Geological Description & Mineralization                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Alteration | Structure | Sample No.      | From   | To     | Interval Length (m) | Cu ppm | Pb ppm | Zn ppm | Ag ppm | Au ppb |
|------|-------|---------------------------|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|-----------|-----------------|--------|--------|---------------------|--------|--------|--------|--------|--------|
| 0    | 5.7   | Overburden                | OB   | Overburden                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |            |           | 273001          | 189.3  | 190.3  | 1                   | 200    | 14     | 4      | 0.3    | 6      |
| 5.7  | 21.9  | Basaltic<br>Volcanics     | B    | Basaltic Pillow lava. Medium green to weakly hematitic, alternating colour downhole. Non-magnetic. 3-4mm calcite-filled amygdules. Hematite stronger towards pillow margins. Trace disseminated pyrite. No alteration. Overall from about 13m to 32m the core is fairly broken with rubbly brittle 3-4cm pieces of core.<br><br>- Blocky/broken core from 7.0 -7.8 m.<br><br>13.2 – 14.5m – light apple green, epidote rich brecciated interval. Local Vuggy quartz /calcite veinlets to 1cm wide.<br><br>14.5-17.3m – moderately hematitic to jasperoidal (bright red). Some brittle quartz filled fractures at random orientation to core axis. Several 20 -30 intervals of very broken core. |            |           | 273002          | 190.3  | 190.9  | 0.6                 | 66     | 15     | 8      | 0.3    | 5      |
|      |       |                           |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |            |           | 273003          | 190.9  | 191.93 | 1.03                | 16     | 11     | 12     | 1      | 9      |
|      |       |                           |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |            |           | 273004          | 191.93 | 193.43 | 1.5                 | 21     | 38     | 251    | 1.6    | 11     |
| 21.9 | 38.3  | Mafic Intrusives          | I    | Hematitic non amygdular, fine-grained fragmental textured, intermediate to mafic intrusive. Common light pink weakly hematitic plagioclase. Some greener sections is same lithology.<br><br>38.30-38.90m – Diabase dyke with 2-3mm plagioclase laths. Hematized chilled margins. Akin to unit above from 21.9 – 38.3m Common (10-20%) 2-3mm Plagioclase laths are locally epidote altered.                                                                                                                                                                                                                                                                                                      |            |           | 273005          | 193.43 | 194.09 | 0.66                | 17     | 32     | 86     | 1.7    | 9      |
|      |       |                           |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |            |           | 273006          | 199    | 200.05 | 1.05                | 284    | 28     | 39     | 0.8    | 14     |
|      |       |                           |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |            |           | 273007          | 213.4  | 214.91 | 1.51                | 270    | 17     | 13     | 0.2    | 6      |
| 38.3 | 57.70 | Intrusive /<br>Shear Zone | I    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |            |           | 273008          | 214.91 | 216.3  | 1.39                | 176    | 26     | 5      | 0.2    | 6      |
|      |       |                           |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |            |           | 273009          | 216.3  | 217.8  | 1.5                 | 113    | 15     | 4      | 0.2    | 8      |
|      |       |                           |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |            |           | 273010          | 217.8  | 219.1  | 1.3                 | 23     | 15     | 1      | 0.2    | 6      |
|      |       |                           |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |            |           | 273011<br>Dup-P |        |        |                     | 14     | 11     | 1      | 0.2    | 8      |

| From | To    | Lithology                       | CODE | Geological Description & Mineralization                                                                                                                                                      | Alteration | Structure | Sample No. | From   | To     | Interval Length (m) | Cu ppm | Pb ppm | Zn ppm | Ag ppm | Au ppb |
|------|-------|---------------------------------|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|-----------|------------|--------|--------|---------------------|--------|--------|--------|--------|--------|
| 57.7 | 89.5  | Dacitic to rhyodacitic volcanic | Fj   | 46.8-47.2m – Clayey pug, broken core, weakly magnetic diabase. Fault breccia.                                                                                                                |            |           | 273011     | 219.1  | 220    | 0.9                 | 13     | 11     | 1      | 0.2    | 8      |
|      |       |                                 |      | 46.6 – 57.7m – Significant fault zone. Lot of broken (brittle) core and gouge. Some sections of washed core, especially at 52 and 54m. Footage markers indicate lost core and bad clay seam. |            |           | 273012     | 226.12 | 227.55 | 1.43                | 41     | 13     | 25     | 0.3    | 8      |
|      |       |                                 | D2   | Dacitic Flow (or Dacitic intrusive) – bleached basal contact. Brecciated locally. Essentially unaltered. Broken upper contact.                                                               |            |           | 273013     | 227.55 | 228.38 | 0.83                | 26     | 10     | 12     | 0.2    | 5      |
|      |       |                                 |      | - Light grey green at top with brittle hematite filled fractures. Weakly developed quench fractures.                                                                                         |            |           | 273014     | 228.38 | 229.87 | 1.49                | 99     | 11     | 57     | 0.2    | 5      |
|      |       |                                 |      | - fine white specks of leucoxene from 57.7 – 62.8 m                                                                                                                                          |            |           | 273015     | 229.87 | 231.4  | 1.53                | 122    | 18     | 122    | 0.3    | 10     |
|      |       |                                 |      | - 2-3mm hematite filled voids throughout.                                                                                                                                                    |            |           | 273016     | 231.4  | 232.89 | 1.49                | 23     | 15     | 22     | 0.3    | 7      |
|      |       |                                 |      | 62.8m – 5cm wide shear marks start of weak sericite zone with local 1cm wide Pyrite stringers. Shear is at 40° To Core Axis. Stringers end at about 64m.                                     |            |           | 273017     | 232.89 | 233.5  | 0.61                | 30     | 19     | 41     | 0.7    | 9      |
| 89.5 | 107.5 | Mafic Intrusive                 |      | 66.0-73.1m – dacite is bleached pale (buff). Essentially same as previous sub-unit. Fine plagioclase phenocrysts, altered amphibole, fine leucoxene specks.                                  |            |           | 273018     | 237.7  | 238    | 0.3                 | 252    | 44     | 24     | 9.07   | 138    |
|      |       |                                 |      |                                                                                                                                                                                              |            |           | 273019     | 265    | 266.5  | 1.5                 | 23     | 14     | 23     | 1.5    | 23     |
|      |       |                                 |      | 73.1-89.5m – Slightly greener variety of dacite otherwise akin to 66.0-73.1m bleached basal contact at 80° to core axis. Soft, dark grey to almost black mafic intrusive                     |            |           | 273020     | 266.5  | 267.8  | 1.3                 | 245    | 32     | 33     | 2.5    | 36     |
|      |       |                                 |      |                                                                                                                                                                                              |            |           | 273021     |        |        |                     | 22800  | 46     | 26     | 7.39   | 21     |
|      |       |                                 |      |                                                                                                                                                                                              |            |           | Dup-C      |        |        |                     |        |        |        |        |        |
|      |       |                                 |      |                                                                                                                                                                                              |            |           | 273021     | 267.8  | 268    | 0.2                 | 25100  | 47     | 27     | 7.5    | 23     |
|      |       |                                 |      |                                                                                                                                                                                              |            |           | 273022     | 268    | 269.5  | 1.5                 | 170    | 29     | 48     | 1.5    | 18     |
|      |       |                                 |      | - Fracture surfaces are greasy/slippery                                                                                                                                                      |            |           | 273023     | 269.5  | 270.75 | 1.25                | 192    | 53     | 74     | 0.5    | 28     |
|      |       |                                 |      | - Fine intrusive texture with mm scale plagioclase and pyroxene... almost looks ultramafic but is probably a fine grained gabbro/diabase.                                                    |            |           | 273024     | 270.75 | 272.26 | 1.51                | 209    | 44     | 89     | 0.6    | 24     |
|      |       |                                 |      | - Trace to 1% disseminated pyrite                                                                                                                                                            |            |           | 273025     | 272.26 | 272.87 | 0.61                | 85     | 55     | 53     | 0.9    | 36     |
|      |       |                                 |      | - Epidote filled fractures locally                                                                                                                                                           |            |           | 273026     | 272.87 | 274.55 | 1.68                | 83     | 167    | 739    | 3.3    | 131    |
|      |       |                                 |      | - Nebulous basal contact on broken piece of core                                                                                                                                             |            |           | 273027     | 274.55 | 275.9  | 1.35                | 152    | 126    | 442    | 3      | 109    |

| From  | To    | Lithology           | CODE | Geological Description & Mineralization                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Alteration | Structure | Sample No.                                                                          | From                                                               | To                                                                 | Interval Length (m)                                   | Cu ppm                                                | Pb ppm                                       | Zn ppm                                             | Ag ppm                                              | Au ppb                                      |
|-------|-------|---------------------|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|-----------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------|--------------------------------------------------------------------|-------------------------------------------------------|-------------------------------------------------------|----------------------------------------------|----------------------------------------------------|-----------------------------------------------------|---------------------------------------------|
| 107.5 | 113.8 | Dacite              | D2   | Very fine-grained pale green-grey with epidote filled brittle fractures (randomly orientated to core axis).<br><br>- Trace disseminated pyrite<br>- Essentially unaltered.<br>108.1–108.7m - Light pink, siliceous interval with hairline dark perlitic cracks; also has epidote filled fractures.<br>108.7–110.2 m – Diabase intrusive<br>110.2–110.4m – Dacite as above<br>110.4–113.7m – Dark green intermediate volcanic with local pinkish (granitoid looking) crosscutting veins up to 3-4cm wide. Strongly sheared over last 30 cm, with a 10 cm interval of fault gouge at basal contact.                                                         |            |           | 273028<br><br>273029<br>273030<br>273031<br>Dup-P<br><br>273031<br>273032<br>273033 | 275.9<br><br>280.21<br>281.31<br><br><br>282.62<br>284.12<br>285.5 | 277.6<br><br>281.31<br>282.62<br><br><br>284.12<br>285.5<br>286.95 | 1.7<br><br>1.1<br>1.31<br><br><br>1.5<br>1.38<br>1.45 | 488<br><br>838<br>632<br>196<br><br>194<br>276<br>102 | 29<br><br>14<br>9<br>8<br><br>8<br>40<br>116 | 23<br><br>99<br>159<br>114<br><br>112<br>92<br>174 | 1.5<br><br>0.7<br>0.3<br>0.2<br><br>0.2<br>1.3<br>2 | 42<br><br>16<br>5<br>5<br><br>5<br>18<br>41 |
| 113.8 | 131.3 | Hyaloclastic Dacite | D2   | Greenish, dacitic hyaloclastic breccias. Not hematized at all. Well developed pseudo fragmental textures with dark reaction rims on some fragments. Fragments are jagged to sub-round and are (3-5cm) apple/epidote green, while matrix is darker grey. Very fine leucoxene specks. Late, translucent to milky silica-(epidote) veinlets with no preferred orientation. 120.8m marks end of distinctive green fragmental texture. After 120.0m hyaloclastic breccia continues but no reaction rims and 1-2mm plagioclase throughout clasts and matrix.<br><br>120.8-127.4m – Frequency of epidote ± silica veinlets decreases down hole, ending at 127.4m |            |           | 273034<br><br>273035<br>273036                                                      | 286.95<br><br>288.27<br>290                                        | 288.27<br>290.77                                                   | 1.32<br><br>1.73<br>0.77                              | 58<br><br>1445<br>390                                 | 29<br><br>394<br>81                          | 135<br><br>1075<br>969                             | 1.6<br><br>1.3<br>0.9                               | 35<br><br>16<br>20                          |
| 131.3 | 185.5 | Dacitic Flow        | D2   | Dacitic flows and brecciated flows. Greenish Dacitic flow and lesser hyaloclastic breccia.<br><br>Common small silica filled amygdules (voids). Somewhat mottled colour where brecciated. 131.1m – localized agate veining with minor sphalerite.                                                                                                                                                                                                                                                                                                                                                                                                         |            |           | 273037<br>273038<br><br>273039<br>273040<br>237041<br>Dup-C                         | 290.77<br>292<br><br>293.51<br>298.3                               | 292<br>293.51<br><br>295<br>299.26                                 | 1.23<br>1.51<br><br>1.49<br>0.96                      | 1862<br>172<br><br>221<br>90<br>616                   | 283<br>65<br><br>344<br>52<br>12             | 1422<br>1006<br><br>975<br>1921<br>764             | 2<br>1.1<br><br>1.4<br>0.8<br>0.6                   | 37<br>25<br><br>13<br>19<br>13              |

[illegible]

[illegible]

[illegible]

[illegible]

## DIAMOND DRILL HOLE: MM-12-21

| PROJECT/PROPERTY | DRILL HOLE REFERENCE |  | HOLE DEPTH<br>(m) | Magnetic<br>Azimuth (°) | True<br>Azimuth (°) | DIP(°) | MAGNETIC<br>FIELD (nT) |
|------------------|----------------------|--|-------------------|-------------------------|---------------------|--------|------------------------|
| Canstar          | MM-12-21             |  | 50                | 152.3                   | 132.4               | -46.1  | 51531                  |
| Canstar          | MM-12-21             |  | 100               | 152.1                   | 132.2               | -45.3  | 51438                  |
| Canstar          | MM-12-21             |  | 151               | 151.2                   | 131.3               | -43    | 51681                  |
| Canstar          | MM-12-21             |  | 199               | 152.6                   | 132.7               | -41.9  | 51426                  |
| Canstar          | MM-12-21             |  | 250               | 152.4                   | 132.5               | -42.2  | 51470                  |
| Canstar          | MM-12-21             |  | 301               | 152.3                   | 132.4               | -41.1  | 51604                  |

|                      |                        |
|----------------------|------------------------|
| <b>Litho Samples</b> | <b>Hole.: MM-12-21</b> |
|----------------------|------------------------|

| Sample No. | Interval (metres) |
|------------|-------------------|
| 4351       | 6.5               |
| 4352       | 34.5              |
| 4353       | 69.8              |
| 4354       | 102.4             |
| 4355       | 143.1             |
| 4356       | 181.1             |
| 4357       | 196               |
| 4358       | 239.5             |
| 4359       | 261.4             |
| 4360       | 282.9             |

| Core Box Number | From (metres) | To (Metres) | Length | Core Box Number | From (metres) | To (Metres) | Length | Core Box Number | From (metres) | To (Metres) | Length | Core Box Number | From (metres) | To (Metres) | Length | Core Box Number | From (metres) | To (Metres) | Length |
|-----------------|---------------|-------------|--------|-----------------|---------------|-------------|--------|-----------------|---------------|-------------|--------|-----------------|---------------|-------------|--------|-----------------|---------------|-------------|--------|
| 1               | 5.70          | 9.80        | 4.10   | 21              | 84.30         | 88.30       | 4.00   | 41              | 164.90        | 168.90      | 4.00   | 61              | 247.50        | 251.50      | 4.00   | 81              |               |             | 0.00   |
| 2               | 9.80          | 14.00       | 4.20   | 22              | 88.30         | 92.70       | 4.40   | 42              | 168.90        | 173.10      | 4.20   | 62              | 251.50        | 255.80      | 4.30   | 82              |               |             | 0.00   |
| 3               | 14.00         | 17.50       | 3.50   | 23              | 92.70         | 96.30       | 3.60   | 43              | 173.10        | 176.90      | 3.80   | 63              | 255.80        | 260.00      | 4.20   | 83              |               |             | 0.00   |
| 4               | 17.50         | 19.40       | 1.90   | 24              | 96.30         | 100.00      | 3.70   | 44              | 176.90        | 180.90      | 4.00   | 64              | 260.00        | 264.10      | 4.10   | 84              |               |             | 0.00   |
| 5               | 19.40         | 25.00       | 5.60   | 25              | 100.00        | 103.50      | 3.50   | 45              | 180.90        | 184.90      | 4.00   | 65              | 264.10        | 268.40      | 4.30   | 85              |               |             | 0.00   |
| 6               | 25.00         | 28.30       | 3.30   | 26              | 103.50        | 107.50      | 4.00   | 46              | 184.90        | 188.80      | 3.90   | 66              | 268.40        | 272.50      | 4.10   | 86              |               |             | 0.00   |
| 7               | 28.30         | 31.30       | 3.00   | 27              | 107.50        | 111.70      | 4.20   | 47              | 188.80        | 193.00      | 4.20   | 67              | 272.50        | 277.00      | 4.50   | 87              |               |             | 0.00   |
| 8               | 31.30         | 35.30       | 4.00   | 28              | 111.70        | 115.80      | 4.10   | 48              | 193.00        | 197.30      | 4.30   | 68              | 277.00        | 281.30      | 4.30   | 88              |               |             | 0.00   |
| 9               | 35.30         | 38.50       | 3.20   | 29              | 115.80        | 120.00      | 4.20   | 49              | 197.30        | 201.80      | 4.50   | 69              | 281.30        | 285.50      | 4.20   | 89              |               |             | 0.00   |
| 10              | 38.50         | 42.60       | 4.10   | 30              | 120.00        | 124.20      | 4.20   | 50              | 201.80        | 205.50      | 3.70   | 70              | 285.50        | 289.80      | 4.30   | 90              |               |             | 0.00   |
| 11              | 42.60         | 46.60       | 4.00   | 31              | 124.20        | 128.50      | 4.30   | 51              | 205.50        | 209.30      | 3.80   | 71              | 289.80        | 294.00      | 4.20   | 91              |               |             | 0.00   |
| 12              | 46.60         | 52.00       | 5.40   | 32              | 128.50        | 132.80      | 4.30   | 52              | 209.30        | 213.44      | 4.14   | 72              | 294.00        | 298.30      | 4.30   | 92              |               |             | 0.00   |
| 13              | 52.00         | 56.60       | 4.60   | 33              | 132.80        | 137.10      | 4.30   | 53              | 213.40        | 217.80      | 4.40   | 73              | 298.30        | 301.00      | 2.70   | 93              |               |             | 0.00   |
| 14              | 56.60         | 59.40       | 2.80   | 34              | 137.10        | 141.30      | 4.20   | 54              | 217.80        | 222.00      | 4.20   | 74              | End of Hole   |             |        | 94              |               |             | 0.00   |
| 15              | 59.40         | 63.60       | 4.20   | 35              | 141.30        | 145.30      | 4.00   | 55              | 222.00        | 226.30      | 4.30   | 75              |               |             | 0.00   | 95              |               |             | 0.00   |
| 16              | 63.60         | 68.00       | 4.40   | 36              | 145.30        | 149.50      | 4.20   | 56              | 226.30        | 230.50      | 4.20   | 76              |               |             | 0.00   | 96              |               |             | 0.00   |
| 17              | 68.00         | 72.10       | 4.10   | 37              | 149.50        | 152.90      | 3.40   | 57              | 230.50        | 235.00      | 4.50   | 77              |               |             | 0.00   | 97              |               |             | 0.00   |
| 18              | 72.10         | 76.30       | 4.20   | 38              | 152.90        | 157.10      | 4.20   | 58              | 235.00        | 239.20      | 4.20   | 78              |               |             | 0.00   | 98              |               |             | 0.00   |
| 19              | 76.30         | 80.60       | 4.30   | 39              | 157.10        | 161.00      | 3.90   | 59              | 239.20        | 243.30      | 4.10   | 79              |               |             | 0.00   | 99              |               |             | 0.00   |
| 20              | 80.60         | 84.30       | 3.70   | 40              | 161.00        | 164.90      | 3.90   | 60              | 243.30        | 247.50      | 4.20   | 80              |               |             | 0.00   | 100             |               |             | 0.00   |