# NORANDA EXPLORATION COMPANY LTD.

| Property | PARTON RIVER | Started | Aug. 10, 1985 | FIELD CO-ORDINATES | SURVEYED CO-ORDINATES | DIP TESTS | | | | | | NTS no. | 114 P/10 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Hole no. | PR-85-2 | Finished | Aug. 11, 1985 | Lat. 20150 N | Lat. | Depth | Bearing | Dip | Depth | Bearing | Dip | Project no. | 677 |
| Bearing | 240° | Length | 92.35 m | Dep. 20219 W | Dep. | | | | | | | Logged by | D. Bull<br>M. Savell |
| Dip - Collar | -50° | Core size | BQ | Elev. 5100' | Elev. | | | | | | | Sheet | 1 of 2 |

| METRES From | METRES To | % Recovery | Graphic Log | DESCRIPTION OF UNITS | % Mineralization | Sample no. | METRES From | METRES To | METRES Length | ASSAYS |
|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 10.06 | | | OVERBURDEN | | | | | | |
| 10.06 | 10.26 | 90 % | | SILTSTONE: Pale brown, calcareous, weakly foliated siltstone. | | | | | | |
| 10.26 | 34.47 | 95 % | | LIMESTONE AND ARGILLITE: Dark grey to black, fine grained, massive limestone and argillite or argillaceous limestone. Numerous calcite stringers, up to 3 mm wide, throughout. Contains 3 to 5% fine grained, disseminated pyrite. 10.0-12.0: Predominantly limestone. 12.0-34.47: Becomes graphitic with depth. Very blocky, broken up core. | 3-5% py<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>" | 73526<br>73527<br>73528<br>73529<br>73530<br>73531<br>73532<br>73533<br>73534 | 10.06<br>13.06<br>16.06<br>19.06<br>22.06<br>25.06<br>28.06<br>31.06<br>34.06 | 13.06<br>16.06<br>19.06<br>22.06<br>25.06<br>28.06<br>31.06<br>34.06<br>34.47 | 3.0<br>3.0<br>3.0<br>3.0<br>3.0<br>3.0<br>3.0<br>3.0<br>0.41 | |
| 34.47 | 46.25 | 95 % | | FELSIC TUFF: Pale grey-green, fine to medium grained, schistose, calcareous tuff. Contains 1-3% disseminated and fine stringers of pyrite. Slightly less broken up than above unit. 35.1-35.2: Fault gouge at 20° to C.A. 44.0-44.3: Massive, white quartz vein with minor pyrite. | 1-3% py<br>"<br>"<br>"<br>" | 73535<br>73536<br>73537<br>73538<br>73539 | 34.47<br>37.47<br>38.10<br>41.10<br>44.10 | 37.47<br>38.10<br>41.10<br>44.10<br>46.25 | 3.0<br>0.63<br>3.0<br>3.0<br>2.15 | |
| 46.25 | 63.5 | 95 % | | SHALE: Dark grey to black, soft and fissile, graphitic, shale. Some silty and calcareous sections. Contains 2% disseminated and fine stringers of pyrite. Becomes lighter and more calcareous with depth. | 2% py<br>"<br>"<br>"<br>" | 73540<br>73541<br>73542<br>73543<br>73544 | 46.25<br>49.25<br>52.25<br>55.25<br>58.25 | 49.25<br>52.25<br>55.25<br>58.25<br>61.25 | 3.0<br>3.0<br>3.0<br>3.0<br>3.0 | |
| 63.5 | 75.4 | 95 % | | FELSIC TUFF: Pale grey, fine to medium grained, schistose tuff, similar to section from 34.47 to 46.25 m. Slightly less calcareous. Contains 2 to 2% disseminated pyrite and pyrrhotite. Very blocky core to 70 m, then gradually becomes more solid. | 2% py-po<br>"<br>"<br>"<br>" | 73545<br>73546<br>73547<br>73548<br>73549 | 61.25<br>64.25<br>67.25<br>70.25<br>73.25 | 64.25<br>67.25<br>70.25<br>73.25<br>75.40 | 3.0<br>3.0<br>3.0<br>3.0<br>2.15 | |
| 75.4 | 80.1 | 95 % | | SHALE: Grey to black, silty and calcareous shale. Minor pyrite. Graphitic throughout. Intensely graphitic sections highly broken up, more calcareous sections are more massive with better recoveries. | | 73550<br>73576 | 75.40<br>78.4 | 78.4<br>80.1 | 3.0<br>1.7 | |
| 80.1 | 81.2 | 95 % | | BASALT: Dark olive green, very fine grained, basic volcanic with medium grained hornblende phenocrysts, minor calcite filled amygdules and stringers. | | 73577 | 80.1 | 81.3 | 1.2 | |
| 81.2 | 85.0 | 95 % | | SHALE: Grey to black, soft, graphitic and calcareous shale. Minor disseminated pyrite. Very broken up core. 83.6-84.0: Paler, calcareous section. | | 73578<br>73579<br>73580 | 81.3<br>83.59<br>84.0 | 83.59<br>84.0<br>85.04 | 2.29<br>0.41<br>1.04 | |

NORANDA EXPLORATION COMPANY LTD. Property PARTON RIVER Hole no. PR-85-2 Sheet 2 of 2

| METRES From | METRES To | % Recovery | Graphic Log | DESCRIPTION OF UNITS | % Mineralization | Sample no. | METRES From | METRES To | METRES Length | ASSAYS | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 85.0 | 87.05 | 15 %. | | BASALT: Similar to section from 80.1 to 81.2 m, but slightly schistose. | | 73581 | 85.04 | 87.05 | 2.01 | | | | | |
| | | | | | | 73582 | 87.05 | 90.05 | 3.0 | | | | | |
| 87.05 | 92.35 | 70 % | | SHALE: As from 81.2 to 85.0 m. Highly broken up core, some muddy sections, may be fault gouge. Calcareous sections contain numerous fine calcite stringers. | | 73583 | 90.05 | 92.35 | 2.3 | | | | | |
| | 92.35 | | | END OF HOLE. | | SLUDGE SAMPLES | | | | | | | | |
| | | | | | | 69978 | 10.8 | 13.8 | 3.0 | | | | | |
| | | | | | | 69979 | 13.8 | 17.2 | 3.4 | | | | | |
| | | | | | | 69980 | 17.2 | 40.2 | 3.0 | | | | | |
| | | | | | | 69981 | 40.2 | 43.3 | 3.1 | | | | | |
| | | | | | | 69982 | 43.3 | 46.3 | 3.0 | | | | | |
| | | | | | | 69983 | 46.3 | 49.4 | 3.1 | | | | | |
| | | | | | | 69984 | 49.4 | 52.4 | 3.0 | | | | | |
| | | | | | | 69985 | 52.4 | 55.5 | 3.1 | | | | | |
| | | | | | | 69986 | 55.5 | 58.5 | 3.0 | | | | | |
| | | | | | | 69987 | 58.5 | 61.6 | 3.1 | | | | | |
| | | | | | | 69988 | 61.6 | 64.6 | 3.0 | | | | | |
| | | | | | | 69989 | 64.6 | 67.7 | 3.1 | | | | | |