

Lefroy Resources Limited

ACN 107 118 673

ANNOUNCEMENT February 18th 2005

High-Grade Gold Reef Intersected

Lefroy Resources Limited (LEF) is pleased to announce that orientation RC drilling below historic gold workings at the Native Youth Reef in the Lefroy Goldfield has intersected high-grade gold bearing zones of quartz-sulphide veining.

HIGHLIGHTS

Best Results to Date from the Native Youth Reef

| Hole ID | *Easting | *Northing | Dip/ Azimuth | From | To | Interval *** | Au g/t** |
|-----------|----------|-----------|-----------------|------|-----|-----------------|-------------|
| LFC021 | 498840 | 5450135 | -60/360 | 121 | 130 | 9 | 3.33 |
| Including | “ “ | “ “ | “ “ | 127 | 128 | 1 | 6.56 |
| LFC022 | 498840 | 5450265 | -60/180 | 104 | 113 | 9 | 4.69 |
| Including | “ “ | “ “ | “ “ | 106 | 107 | 1 | 17.9 |

*Coordinates in GDA 94, UTM Zone 55

**Cut off Grade 1.00g/t, max 2m consecutive internal dilution

***Lost drilling returns from one metre within reported interval

SUMMARY OF DRILL RESULTS

The (above) RC holes were drilled as a “scissor pair” targeting extensions of the Native Youth “lode”. Results demonstrate that high-grade gold mineralisation continues below historic workings at the Lefroy Goldfield, and follow the successful testing of the Morning Star and Pinafore Reefs, 140 and 990 metres north of the Native Youth Reef respectively.

Orientation drilling will continue into March, directed at 3 new target areas and following-up from significant results. The interpretation of these exciting new results is continuing.

For further details contact,

John Canaris
Chief Executive Officer
Lefroy Resources Limited
Suite 5, 589 Stirling Hwy
Cottesloe 6011, WA
Ph: (08) 9286 1622
Fax: (08) 9286 1633
john@leeroyresources.com.au