

NORTHERN DYNASTY MINERALS LTD  
Form 6-K  
January 11, 2006

**UNITED STATES  
SECURITIES AND EXCHANGE COMMISSION**  
Washington, DC 20549

**FORM 6-K**

Report of Foreign Private Issuer  
Pursuant to Rule 13a-16 or 15d-16  
of the Securities Exchange Act of 1934

CIK # 1164771

As at January 9, 2006

**NORTHERN DYNASTY MINERALS LTD.**

**800 West Pender Street, Suite 1020  
Vancouver, British Columbia  
Canada V6C 2V6**

Indicate by check mark whether the registrant files or will file annual reports under cover Form 20-F or Form 40-F.

Form 20-F...X.... Form 40-F.....

Indicate by check mark if the registrant is submitting the Form 6-K in paper as permitted by Regulation S-T Rule 101(b)(1): \_\_\_\_

Note: Regulation S-T Rule 101(b)(1) only permits the submission in paper of a Form 6-K if submitted solely to provide an attached annual report to security holders.

Indicate by check mark if the registrant is submitting the Form 6-K in paper as permitted by Regulation S-T Rule 101(b)(7): \_\_\_\_

Indicate by check mark whether by furnishing the information contained in this Form, the registrant is also thereby furnishing the information to the Commission pursuant to Rule 12g3-2(b) under the Securities Exchange Act of 1934.  
Yes ..... No .....

If "Yes" is marked, indicate below the file number assigned to the registrant in connection with Rule 12g3-2(b): 82- \_\_\_\_\_

**Signatures**

Pursuant to the requirements of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned, thereunto duly authorized.

By: /s/ Jeffrey R. Mason  
Director and Chief Financial Officer

Date: January 9, 2006

Print the name and title of the signing officer under his signature.

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**Northern Dynasty Minerals Ltd.**

1020 - 800 W Pender St.  
 Vancouver BC  
 Canada V6C 2V6  
 Tel 604 684-6365  
 Fax 604 684-8092  
 Toll Free 1 800 667-2114  
 www.northerndynasty.com

**Drilling at Pebble Continues To Expand  
 High-Grade East Zone Porphyry Discovery**

**Initial Resource Estimate of East Zone in Progress**

**Assessment of Potential Significant Benefits of East Zone  
 and Feasibility Study and Permitting Timing**

**January 9, 2006, Vancouver, BC** - Ronald W. Thiessen, President and CEO of Northern Dynasty Minerals Ltd. (TSXV:NDM; AMEX:NAK) announces assay results for core Holes 5334 through 5337, recently completed in the newly identified East Zone porphyry copper-gold-molybdenum system which adjoins the Pebble deposit on the east. Drilling continues to expand this major new discovery. Highlights include:

- Hole 5334 intersected **915 feet grading 1.38% copper equivalent** (CuEQ<sup>1</sup>) comprising 0.62% Cu, 1.06 g/t Au, 0.023% Mo. Included in this intersection is a 330 foot interval grading 1.82% CuEQ (0.64% Cu, 1.81 g/t Au, 0.019% Mo).
- Hole 5335 intersected **2478 feet grading 1.21% CuEQ** comprising 0.81% Cu, 0.44 g/t Au, 0.023% Mo.
- Hole 5336 intersected **2584 feet grading 1.13% CuEQ** (0.67% Cu, 0.23 g/t Au, 0.055% Mo). Included in this intersection is a 646 foot interval grading 1.42% CuEQ (0.85% Cu, 0.33 g/t Au, 0.052% Mo).
- Hole 5337 intersected **2028 feet grading 1.28% CuEQ** (0.83% Cu, 0.34 g/t Au, 0.041% Mo). Included in this intercept is a 758 foot interval grading 1.70% CuEQ (1.25% Cu, 0.37 g/t Au, and 0.038% Mo).

Results from Holes 5334 through 5337 (4 holes), combined with drill hole results announced on September 21 (8 holes), October 20 (2 holes), and November 1, 2005 (1 hole), indicate the new porphyry system hosts a substantial volume of mineralized material with excellent copper, gold and molybdenum grades. A tabulation of assay results from all 2005 East Zone discovery holes is attached to this news release. The area influenced by these widely-spaced drill holes measures about 4000 feet by 4000 feet. Drill intercepts have a vertical dimension of about 2000 feet on average and most holes stopped in mineralization due to depth limitations of the drills. The East Zone deposit is open to expansion to depth and in all lateral directions. A Location Plan Map and Cross Sections are posted on Northern Dynasty's website at [www.northerndynasty.com](http://www.northerndynasty.com).

All results from the 2005 drilling program have now been announced. The bid process for a contract for follow-up drilling is complete. A four-rig, deep drilling program to fully delineate this exciting new discovery has been contracted to start in March 2006. An initial resource estimate for the East Zone is also underway, for release early in 2006.

Hole 5334 was drilled on an azimuth of 090 degrees at a dip of 75 degrees and entered the mineralized system at a vertical depth of 2645 feet below surface. Holes 5335, 5336 and 5337 were drilled vertically and entered the mineralized body 1690, 1645, and 1550 feet, respectively, below surface. Detailed results for the four new holes are listed below.

**NEW EAST ZONE ASSAY RESULTS**

| Drill Hole | From | To   | Intercept | Cu | Au <sup>2</sup> | Mo | CuEQ <sup>1</sup> |
|------------|------|------|-----------|----|-----------------|----|-------------------|
| Number     | feet | feet | feet      | %  | g/t             | %  | %                 |
|            |      |      |           |    |                 |    |                   |

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|      |       |      |      |      |      |      |       |      |
|------|-------|------|------|------|------|------|-------|------|
| 5334 |       | 2706 | 3766 | 1060 | 0.58 | 0.95 | 0.022 | 1.26 |
| 5334 | Incl. | 2755 | 3670 | 915  | 0.62 | 1.06 | 0.023 | 1.38 |
| 5334 | and   | 3078 | 3408 | 330  | 0.64 | 1.81 | 0.019 | 1.82 |
| 5335 |       | 1690 | 4168 | 2478 | 0.81 | 0.44 | 0.023 | 1.21 |
| 5335 | Incl. | 1690 | 3436 | 1746 | 0.97 | 0.42 | 0.023 | 1.35 |
| 5335 | and   | 1698 | 2548 | 850  | 1.09 | 0.44 | 0.022 | 1.48 |
| 5336 |       | 1645 | 4228 | 2584 | 0.67 | 0.23 | 0.055 | 1.13 |
| 5336 | Incl. | 1645 | 1794 | 150  | 1.16 | 0.71 | 0.059 | 1.92 |
| 5336 | Incl. | 1862 | 2508 | 646  | 0.85 | 0.33 | 0.063 | 1.42 |
| 5336 | Incl. | 3178 | 3878 | 700  | 0.81 | 0.27 | 0.052 | 1.28 |
| 5337 |       | 1650 | 3678 | 2028 | 0.83 | 0.34 | 0.041 | 1.28 |
| 5337 | Incl. | 1650 | 2838 | 1188 | 1.10 | 0.48 | 0.036 | 1.60 |
| 5337 | and   | 1650 | 2408 | 758  | 1.26 | 0.37 | 0.038 | 1.70 |

Note 1 Copper equivalent calculations use metal prices of US\$1.00/lb for copper, US\$400/oz for gold, and US\$6.00/lb for molybdenum. Adjustment factors to account for differences in relative metallurgical recoveries for gold, copper and molybdenum will depend upon the completion of definitive metallurgical testing.  $CuEQ = Cu \% + (Au \text{ g/t} \times 12.86/22.05) + (Mo\% \times 132.28/22.05)$

Note 2 Au values > 5.0 g/t capped at 5.0 g/t

During 2005, significant progress was achieved by Northern Dynasty on its comprehensive C\$44.7 million drilling, engineering and environmental/socio-economic programs. Objectives for 2005 included the preparation of a feasibility study by year end and preparation of applications for project permitting by state and federal agencies, for submittal in mid-2006. However, plans are currently being revised to incorporate this recently discovered substantial high-grade porphyry deposit adjoining the Pebble deposit on the east. Until the new deposit is extensively drilled and delineated, it is premature to finalize the feasibility study or to prepare permit applications. The Company's current goal is to optimize the project design with regard to mineral resources as well as social, environmental, and economic factors. Accordingly, the completion of the feasibility study and environmental applications has been deferred until the results of the East Zone drilling are integrated into the overall Pebble Project plan, in order to assess the impact of this new zone.

Mark Rebagliati, P.Eng., is the Qualified Person for the exploration and drilling programs for the Pebble Project and is supervising the quality control and quality assurance programs. Core logging and sampling are completed in Northern Dynasty's secure facility at Iliamna, Alaska. The NQ-size core is sawn and samples are transported to the ALS Chemex laboratory in Fairbanks for drying, weighing and crushing. Samples are shipped by airfreight to the main ALS Chemex laboratory, North Vancouver, Canada (an ISO 9002 certified laboratory) for final preparation and analysis. Gold is determined by 30 g Fire Assay (FA) fusion with an Atomic Absorption Spectroscopy (AAS) finish. Copper and molybdenum assays are by four acid digestion with an Inductively Coupled Plasma-Emission Spectroscopy (ICP-ES) finish. All samples are also analyzed for 23 additional elements by four acid digestion ICP-ES. Northern Dynasty includes standards, duplicates and blanks in addition to the laboratory's internal quality control work. Duplicate samples are analyzed by Acme Analytical Laboratories of Vancouver, Canada.

For further details on Northern Dynasty and the Pebble Project please visit the Company's website at [www.northerndynasty.com](http://www.northerndynasty.com) or contact Investor Services at (604) 684-6365 or within North America at 1-800-667-2114. Review Northern Dynasty's Canadian public filings at [www.sedar.com](http://www.sedar.com) and US public filings at [www.sec.gov](http://www.sec.gov).

**Comments on Forward Looking Information, Estimates and other Cautionary Factors**

Neither the TSX Venture Exchange nor any other regulatory authority accepts responsibility for the adequacy or accuracy of this release.

This release includes certain statements that may be deemed "forward-looking statements". All statements in this release, other than statements of historical facts, especially those that address estimated resource quantities, grades and contained metals, are forward-looking statements because they are generally made on the basis of estimation and extrapolation from a limited number of drill holes and metallurgical studies. Although diamond drill hole core provides valuable information about the size, shape and geology of an exploration project, there will always remain a significant degree of uncertainty in connection with these valuation factors until a deposit has been extensively drilled on closely spaced centers which has occurred only in specific areas on the Pebble Project. Although the Company believes the expectations expressed in its forward-looking statements are based on reasonable assumptions, such statements should not be in any way construed as guarantees of the ultimate size, quality or commercial feasibility of the Pebble Project or of the Company's future performance. Subsequent results and developments may differ materially from those postulated in the estimates and forward-looking statements. Other factors that could cause the Company's actual results and performance to differ materially from those in forward-looking statements include adverse market prices for metals, the conclusions of detailed feasibility and technical analyses, lower than expected grades and quantities of resources, mining rates and metal recovery rates and the fact that necessary capital may not be available to the Company on terms acceptable to it or at all. The need for compliance with extensive environmental and socio-economic rules and practices and the requirement for the Company to obtain government permitting can cause a delay or even abandonment of a mineral project. The Company is subject to the specific risks inherent in the mining business as well as general economic and business conditions. For more information on the Company, Investors should review the Company's annual Form 20-F filing with the United States Securities Commission and its home jurisdiction filings that are available at [www.sedar.com](http://www.sedar.com).

**Information about CuEQ**

Copper equivalency or "CuEQ" is a manner of expressing poly-metallic deposits as a grade of the principal mineralization (by value). As used herein, gold and molybdenum values have been expressed as part of the copper grade. CuEQ as calculated herein is based on assumed metal prices of US\$1.00/lb for copper, US\$400/oz for gold, and US\$6.00/lb for molybdenum. Copper equivalent has not been adjusted for metallurgical recoveries. Adjustment factors to account for differences in relative metallurgical recoveries for gold, copper and molybdenum depend upon the completion of definitive metallurgical testing. Significant shifts in the relative values of these metals can significantly change the CuEQ. CuEQ is provided for illustrative purposes only.

**NORTHERN DYNASTY MINERALS LTD.  
PEBBLE PROJECT  
TABLE OF EAST ZONE ASSAY RESULTS**

| <b>Drill Hole</b> | <b>Vertical Depth to Cretaceous</b> | <b>Hole Dip</b> | <b>Hole Direction</b> |   | <b>From</b> | <b>To</b>   | <b>Intercept</b> | <b>Cu</b> | <b>Au<sup>2</sup></b> | <b>Mo</b> | <b>CuEQ<sup>1</sup></b> |
|-------------------|-------------------------------------|-----------------|-----------------------|---|-------------|-------------|------------------|-----------|-----------------------|-----------|-------------------------|
| <b>number</b>     | <b>feet</b>                         | <b>Degrees</b>  | <b>degrees</b>        |   | <b>feet</b> | <b>feet</b> | <b>feet</b>      | <b>%</b>  | <b>g/t</b>            | <b>%</b>  | <b>%</b>                |
| 5311              | 1060                                | -90             | 0                     |   | 1068        | 1378        | 310              | 0.37      | 0.32                  | 0.015     | 0.64                    |
| 5311              |                                     |                 |                       |   | 1618        | 2188        | 570              | 0.46      | 0.41                  | 0.019     | 0.81                    |
| 5316              | 1958+                               | -90             | 0                     | Hole Lost in Tertiary Rocks - No Assays |             |             |                  |           |                       |           |                         |
| 5318              | 574                                 | -90             | 0                     |   | 574         | 2078        | 1504             | 0.40      | 0.41                  | 0.030     | 0.82                    |
| 5318              |                                     |                 |                       | Incl.                                   | 708         | 1218        | 510              | 0.59      | 0.62                  | 0.026     | 1.10                    |
| 5321              | 730                                 | -65             | 92                    |   | 804         | 1868        | 1065             | 0.42      | 0.47                  | 0.019     | 0.81                    |
| 5321              |                                     |                 |                       | Incl.                                   | 804         | 1123        | 320              | 0.58      | 0.66                  | 0.023     | 1.10                    |

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|      |      |     |     |       |      |      |      |      |      |       |      |
|------|------|-----|-----|-------|------|------|------|------|------|-------|------|
| 5324 | 1300 | -60 | 109 |       | 1937 | 4017 | 2080 | 0.54 | 0.26 | 0.026 | 0.85 |
| 5324 |      |     |     | Incl. | 2447 | 4017 | 1570 | 0.59 | 0.30 | 0.031 | 0.95 |
| 5324 |      |     |     | and   | 2717 | 3847 | 1130 | 0.65 | 0.38 | 0.033 | 1.06 |
| 5324 |      |     |     | and   | 3017 | 3847 | 830  | 0.66 | 0.43 | 0.039 | 1.14 |
| 5325 | 780  | -65 | 90  |       | 872  | 1528 | 656  | 0.37 | 0.55 | 0.009 | 0.74 |
| 5325 |      |     |     | Incl. | 1158 | 1378 | 220  | 0.44 | 0.67 | 0.009 | 0.89 |
| 5326 | 1760 | -65 | 125 |       | 2003 | 4258 | 2255 | 0.45 | 0.50 | 0.030 | 0.92 |
| 5326 |      |     |     | Incl. | 2008 | 3008 | 1000 | 0.64 | 0.83 | 0.029 | 1.30 |
| 5326 |      |     |     | and   | 2008 | 2348 | 340  | 0.77 | 1.07 | 0.039 | 1.63 |
| 5326 |      |     |     | and   | 2488 | 2998 | 510  | 0.61 | 0.81 | 0.021 | 1.21 |
| 5327 | 1500 | -65 | 90  |       | 1719 | 4338 | 2619 | 0.87 | 0.70 | 0.028 | 1.45 |
| 5327 |      |     |     | Incl. | 1732 | 2337 | 605  | 0.90 | 1.06 | 0.013 | 1.60 |
| 5327 |      |     |     | Incl. | 2457 | 3977 | 1520 | 0.95 | 0.70 | 0.034 | 1.56 |
| 5327 |      |     |     | and   | 2897 | 3187 | 290  | 1.08 | 1.30 | 0.029 | 2.00 |
| 5330 | 1530 | -60 | 60  |       | 1869 | 4211 | 2342 | 0.99 | 0.26 | 0.036 | 1.36 |
| 5330 |      |     |     | Incl. | 1869 | 2815 | 946  | 1.37 | 0.15 | 0.031 | 1.64 |
| 5330 |      |     |     | and   | 1869 | 2235 | 366  | 1.70 | 0.11 | 0.028 | 1.93 |
| 5330 |      |     |     | Incl. | 4005 | 4211 | 206  | 1.12 | 0.22 | 0.054 | 1.57 |
| 5331 | 1275 | -60 | 90  |       | 1521 | 3946 | 2425 | 0.55 | 0.28 | 0.040 | 0.95 |
| 5331 |      |     |     | Incl. | 1521 | 1638 | 117  | 0.74 | 0.39 | 0.036 | 1.18 |
| 5331 |      |     |     | Incl. | 2191 | 2358 | 167  | 0.73 | 0.43 | 0.029 | 1.16 |
| 5331 |      |     |     | and   | 3468 | 3946 | 478  | 0.74 | 0.39 | 0.042 | 1.22 |
| 5332 | 1595 | -60 | 90  |       | 1839 | 4206 | 2367 | 0.89 | 0.33 | 0.055 | 1.41 |
| 5332 |      |     |     | Incl. | 1839 | 2656 | 817  | 1.28 | 0.28 | 0.050 | 1.74 |

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|      |       |     |    |   |      |      |      |      |      |       |      |
|------|-------|-----|----|---|------|------|------|------|------|-------|------|
| 5333 | 3650+ | -60 | 90 | Hole Lost in Tertiary Rocks - No Assays |      |      |      |      |      |       |      |
| 5334 | 2560  | -75 | 90 |   | 2706 | 3766 | 1060 | 0.58 | 0.95 | 0.022 | 1.26 |
| 5334 |       |     |    | Incl.                                   | 2755 | 3670 | 915  | 0.62 | 1.06 | 0.023 | 1.38 |
| 5334 |       |     |    | and                                     | 3078 | 3408 | 330  | 0.64 | 1.81 | 0.019 | 1.82 |
| 5335 | 1690  | -90 | 0  |   | 1690 | 4168 | 2478 | 0.81 | 0.44 | 0.023 | 1.21 |
| 5335 |       |     |    | Incl.                                   | 1690 | 3436 | 1746 | 0.97 | 0.42 | 0.023 | 1.35 |
| 5335 |       |     |    | and                                     | 1698 | 2548 | 850  | 1.09 | 0.44 | 0.022 | 1.48 |
| 5336 | 1645  | -90 | 0  |   | 1645 | 4228 | 2584 | 0.67 | 0.23 | 0.055 | 1.13 |
| 5336 |       |     |    | Incl.                                   | 1645 | 1794 | 150  | 1.16 | 0.71 | 0.059 | 1.92 |
| 5336 |       |     |    | Incl.                                   | 1862 | 2508 | 646  | 0.85 | 0.33 | 0.063 | 1.42 |
| 5336 |       |     |    | Incl.                                   | 3178 | 3878 | 700  | 0.81 | 0.27 | 0.052 | 1.28 |
| 5337 | 1550  | -90 | 0  |   | 1650 | 3678 | 2028 | 0.83 | 0.34 | 0.041 | 1.28 |
| 5337 |       |     |    | Incl.                                   | 1650 | 2838 | 1188 | 1.10 | 0.48 | 0.036 | 1.60 |
| 5337 |       |     |    | and                                     | 1650 | 2408 | 758  | 1.26 | 0.37 | 0.038 | 1.70 |

Note 1 Copper equivalent calculations use metal prices of US\$1.00/lb for copper, US\$400/oz for gold and US\$6.00/lb for molybdenum. Adjustment factors to account for differences in relative metallurgical recoveries for gold, copper and molybdenum will depend upon the completion of definitive metallurgical testing.

$$\text{CuEQ} = \text{Cu \%} + (\text{Au g/t} \times 12.86/22.05) + (\text{Mo \%} \times 132.28/22.05)$$

Note 2 Au values > 5.0 g/t capped at 5.0 g/t