UNITED STATES DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

# GEOCHEMICAL ANALYSES FOR PLATINUM GROUP ELEMENTS IN ROCK SAMPLES FROM THE KALMIOPSIS WILDERNESS, SOUTHWESTERN OREGON

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## STUDIES RELATED TO WILDERNESS

The Wilderness Act (Public Law 88-577, September 3, 1964) and related acts require the U.S. Geological Survey and the U.S. Bureau of Mines to survey certain areas on Federal lands to determine their mineral resource potential. Results must be made available to the public and be submitted to the President and the Congress. This report presents the results of geochemical analyses of rocks from the Kalmiopsis Wilderness in the Siskiyou National Forest, Josephine and Curry Counties, Oregon. Kalmiopsis Wilderness was established by Public Law 88-577, September 1964.

## GEOLOGIC SUMMARY

Approximate boundaries of the Kalmiopsis Wilderness and associated place names are shown in figure 1. The general structural pattern of the Klamath Mountains geomorphic province consists of tectonically juxtaposed Jurassic island-arc metavolcanic rocks of the western Jurassic belt, broken and dismembered ultramafic and mafic rocks of ophiolite sequences, graywackes, and shales of the Early Cretaceous and Late Jurassic Dothan Formation, and granitic plutonic rocks of Late Jurassic and Early Cretaceous age.

The geology of the Kalmiopsis area has been described elsewhere (Ramp, 1961, 1969, 1975; Hotz, 1971; Coleman, 1972; Himmelberg and Loney, 1973; Page and others, 1981; Gray, 1982). In summary, this area consists of a structurally complex set of thrust-fault plates containing a variety of rock types disrupted by normal faults. The western portion of the area consists of a north- to northeast-striking unit of graywacke, mudstone, siltstone, and shale deposited in deep water. A thrust plate of dismembered ophiolitic rocks is emplaced over it. In the northwestern part of the area, due to erosion, only remnants of this plate such as the Big Craggies remain. The thrust plate of dismembered ophiolitic rocks is well developed to the east and consists dominantly of gabbroic and ultramafic rocks with minor dioritic intrusions. The eastern part of the Kalmiopsis Wilderness is underlain by faulted slices of Jurassic island-arc volcanics that consist of basic to felsic calc-alkaline flows and subaqueous pyroclastic rocks interbedded with lensoidal volcanogenic graywacke, siltstone, and shale. During the Jurassic and Cretaceous periods, hornblende gabbro and diorite to tonalite were intruded into the ophiolitic and volcanic rocks. Erosion beginning in Tertiary time produced fossil beach placers found near Horsesign Butte and gravel deposits in Gold Basin and in the Quaternary terrace gravels and alluvial deposits in the Little and main Chetco Rivers and the Illinois River drainage systems.

## ANALYTICAL DATA

This report presents chemical analyses for 871 rock grab samples collected during the summers of 1976, 1977, and 1978 from the Kalmiopsis Wilderness in southwestern Oregon (fig. 2). The geochemical characteristics of the wilderness have been described by Carlson and others (1982). Each sample was analyzed for the platinum-group elements (PGE) and 32 additional elements.

A total of 1,307 rock samples was collected, but not all samples were analyzed for PGE. Only rocks falling into one or more of the following catagories were so analyzed: (1) ultramafic rocks (including dunite,

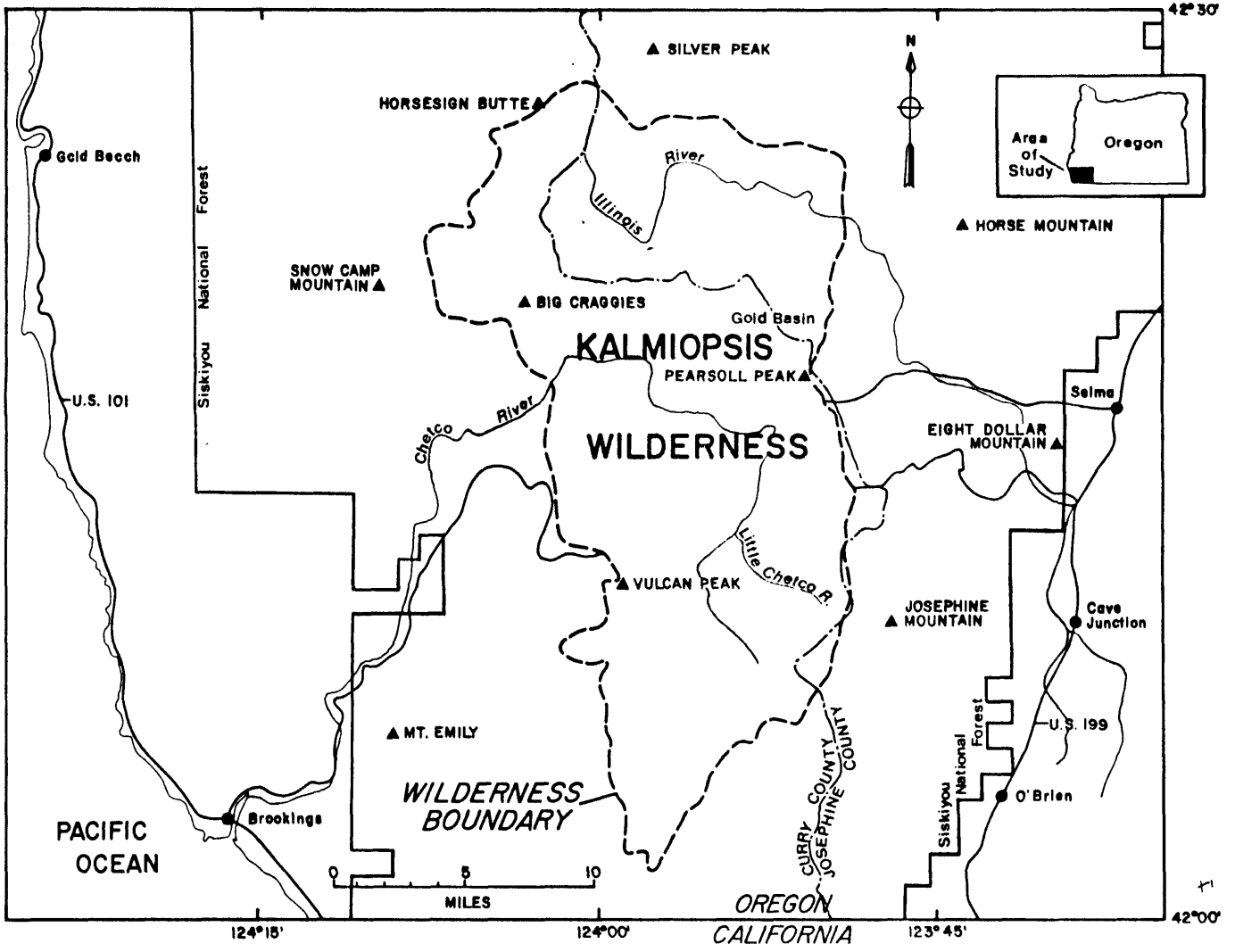


Figure 1. Index map of a portion of the Klamath Mountains showing location of Kalmiopsis Wilderness, southwestern Oregon.

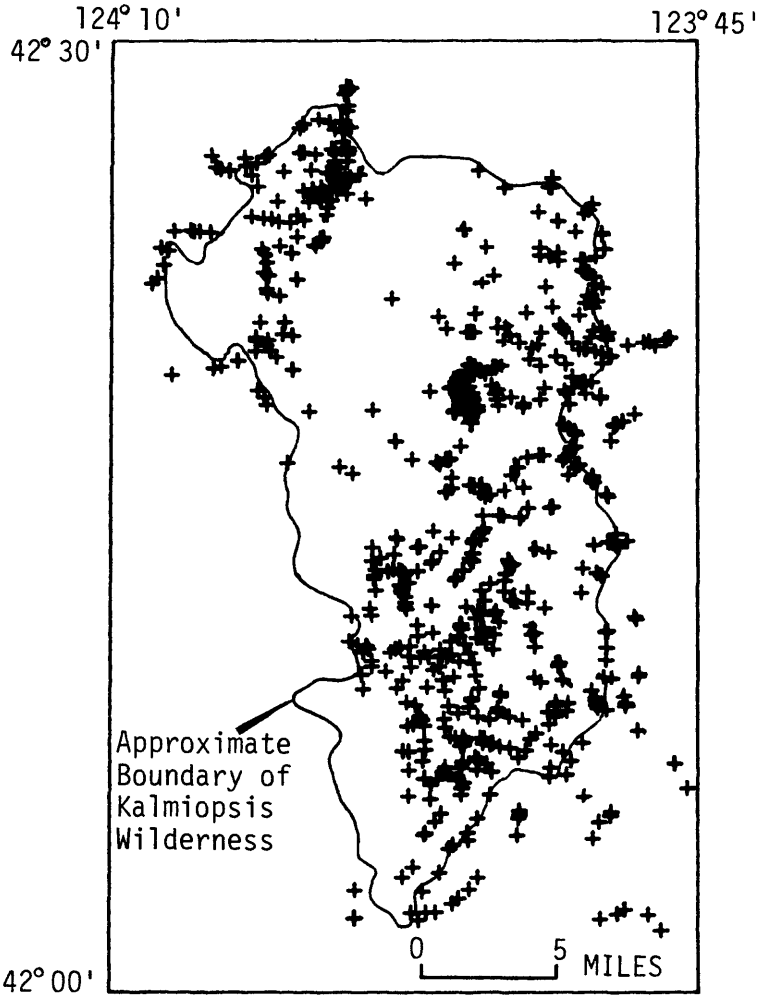


Figure 2--Index map of Kalmiopsis Wilderness showing general distribution of rock sample locations.

peridotite, pyroxenite, serpentinite, hornblende gabbro, amphibolite, and undifferentiated ultramafic rocks); (2) gossans and rocks containing visible sulfides; (3) rocks whose initial analyses showed elevated levels of Cr, Ni, Cu, Hg, Au, Ag, Co, Mo, Pb, or Zn; (4) rocks directly related to promising geologic environments; or (5) rocks chosen to give background levels of PGE in typical rocks.

## Sample preparation and analysis

Rock samples were crushed in a steel-plate jaw crusher and then ground in a ceramic-plate rotary pulverizer to approximately 125-mesh (about 125 or less). All rock samples were then analyzed for platinum-group elements (platinum, palladium, rhodium, ruthenium, and iridium and gold by fire-assay/emission spectrography using the method of Cooley and others (1976). The samples were also analyzed for 31 elements using the six-step semiquantitative emission spectrographic method of Myers and others (1961), Ward and others (1963), and Grimes and Marranzino (1968). In addition, certain samples were analyzed for mercury using the method of Vaughn and McCarthy (1964) and for gold using a modification of the method of Ward and others (1969). R. R. Carlson and E. F. Cooley performed the fire-assay/emission spectrographic analyses and D. J. Grimes and R. W. Leinz performed the other analyses.

## DATA

The results of these analyses are given in table 1. Column headings for elements determined by fire-assay/spectrographic methods are preceded by the letters AS. Column headings for elements determined by six-step semiquantitative emission spectrographic methods are preceded by the letter S, and those for elements determined by instrumental methods are preceded by INST. The results of the six-step semiquantitative emission spectrographic analyses are reported to the nearest number in the repeating series 0.1, 0.15, 0.2, 0.3, 0.5, 0.7, 1.0, etc. This series represents the approximate midpoints of the geometric series whose boundaries are 0.12, 0.18, 0.26, 0.38, 0.56, 0.83, 1.2, etc. Approximately 30 percent of the samples assigned to a group will actually lie within the group. Of the samples, 98 percent will lie within plus or minus two groups of the assigned group (Motooka, and Grimes, 1976). The fire-assay/emission spectrographic analyses are reported in numbers of the same series or in multiples thereof as dictated by statistical considerations of sample size. These data should not be quoted without stating these qualifications. All data are quoted in parts per million (ppm) except where indicated as percent. The following symbols have special meanings in table 1.

| | |
|---|---|
| > | The actual value is greater than the reported value. |
| < | The actual value is less than the reported value. |
| N | The actual value was below the lower limit of determination. |
| -- | No analysis was performed. |

These analyses were stored in the U.S. Geological Survey Rock Analyses Storage System (RASS) and prepared for publication using the U.S. Geological Survey STATPAC system (Van Trump and Miesch, 1976).

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Table 1.--Geochemical analyses

[The first column contains the field sample number, and the second and third columns contain the Universal Transverse Mercator (UTM) eastings and northings, respectively. Unless indicated otherwise in the column headings, all values are in parts per million]

## Kalmiopsis Rock Analyses

| Sample | X-COORD. | Y-COORD. | S-FE% | S-MG% | S-CA% | S-TI% | S-MN | S-AG | S-AS | S-AU | S-B | S-BA | S-BE | S-BI |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 76CP005 | 432,200 | 4,654,200 | 10.0 | 10.0 | 1.00 | -- | 1,500 | N | N | N | N | <20 | N | N |
| 76CP007 | 433,650 | 4,654,750 | 20.0 | 3.0 | .07 | -- | 1,000 | N | N | N | N | <20 | N | N |
| 76CP009 | 435,800 | 4,653,500 | 10.0 | 10.0 | 1.00 | -- | 1,000 | N | N | N | N | <20 | N | N |
| 76KG011 | 425,126 | 4,670,720 | 10.0 | 10.0 | 1.00 | -- | 1,500 | N | N | N | 150 | <20 | N | N |
| 76KG018 | 423,151 | 4,665,990 | 10.0 | 10.0 | 1.50 | -- | 1,500 | N | N | N | N | <20 | N | N |
| 76KG023 | 424,800 | 4,667,050 | 15.0 | 10.0 | .20 | -- | 1,500 | N | N | N | N | <20 | N | N |
| 76KG061 | 429,496 | 4,678,310 | 15.0 | 5.0 | 3.00 | -- | 1,000 | N | N | N | N | 70 | N | N |
| 76KG112 | 423,530 | 4,681,130 | 15.0 | 3.0 | 5.00 | -- | 2,000 | N | N | N | N | 50 | N | N |
| 76KG119 | 424,450 | 4,684,700 | 15.0 | 3.0 | 10.00 | -- | 2,000 | N | N | N | N | 50 | N | N |
| 76KG135 | 425,300 | 4,684,200 | 20.0 | 10.0 | 5.00 | -- | 3,000 | N | N | N | 20 | 50 | N | N |
| 76KG150 | 420,500 | 4,676,550 | 15.0 | 5.0 | 7.00 | -- | 2,000 | N | N | N | 30 | 70 | N | N |
| 76KT004 | 421,778 | 4,669,610 | 15.0 | 10.0 | .70 | -- | 1,500 | N | N | N | N | 20 | N | N |
| 76KT023 | 429,225 | 4,685,250 | 15.0 | 3.0 | 7.00 | -- | 3,000 | N | N | N | N | 150 | N | N |
| 76KT027 | 427,950 | 4,684,150 | 15.0 | 3.0 | 7.00 | -- | 3,000 | N | N | N | 20 | 150 | N | N |
| 76KT031 | 427,250 | 4,688,360 | 15.0 | 3.0 | 10.00 | -- | 5,000 | N | N | N | N | 100 | N | N |
| 76KT060 | 420,896 | 4,674,500 | 15.0 | 3.0 | 10.00 | -- | 3,000 | N | N | N | 30 | 30 | N | N |
| 76KTC61 | 420,734 | 4,674,670 | 10.0 | 5.0 | 10.00 | -- | 1,500 | N | N | N | N | 30 | N | N |
| 76KT063 | 420,242 | 4,674,750 | 10.0 | 5.0 | 10.00 | -- | 1,500 | N | N | N | 20 | 20 | N | N |
| 76KT064 | 419,934 | 4,674,650 | 15.0 | 5.0 | 10.00 | -- | 3,000 | N | N | N | 30 | 50 | N | N |
| 76KT069 | 430,961 | 4,681,810 | 10.0 | 10.0 | .10 | -- | 1,000 | N | N | N | 20 | <20 | N | N |
| 76KT070 | 430,703 | 4,681,690 | 10.0 | 10.0 | .50 | -- | 1,500 | N | N | N | N | <20 | N | N |
| 76KT072 | 430,241 | 4,681,040 | 10.0 | 10.0 | .50 | -- | 1,500 | N | N | N | N | <20 | N | N |
| 76KTC75 | 428,845 | 4,681,340 | 7.0 | 3.0 | 7.00 | -- | 1,500 | N | N | N | N | 700 | N | N |
| 76KT079 | 427,604 | 4,680,660 | 15.0 | 3.0 | 5.00 | -- | 3,000 | N | N | N | N | 100 | N | N |
| 76KT080 | 427,217 | 4,680,210 | 10.0 | 3.0 | 10.00 | -- | 3,000 | N | N | N | 20 | 70 | N | N |
| 76KT081 | 426,865 | 4,679,320 | 10.0 | 5.0 | 10.00 | -- | 2,000 | N | N | N | N | 70 | N | N |
| 76KP001 | 426,004 | 4,664,560 | 10.0 | 10.0 | 5.00 | -- | 1,500 | N | N | N | 30 | <20 | N | N |
| 76KP014 | 429,730 | 4,666,890 | 15.0 | 5.0 | .07 | -- | 1,000 | N | N | N | N | <20 | N | N |
| 76KPC20 | 429,411 | 4,664,430 | 10.0 | 7.0 | .10 | -- | 1,500 | N | N | N | 20 | <20 | N | N |
| 76KP022 | 430,583 | 4,663,480 | 10.0 | 10.0 | 10.00 | -- | 2,000 | N | N | N | <20 | <20 | N | N |
| 76KPC26 | 432,350 | 4,660,250 | 10.0 | 10.0 | 7.00 | -- | 2,000 | N | N | N | 100 | <20 | N | N |
| 76KP028 | 430,421 | 4,666,820 | 10.0 | 10.0 | 2.00 | -- | 2,000 | N | N | N | 100 | <20 | N | N |
| 76KPC31 | 431,805 | 4,667,530 | 10.0 | 10.0 | 1.50 | -- | 2,000 | N | N | N | 100 | <20 | N | N |
| 76KPC32 | 432,993 | 4,668,240 | 10.0 | 10.0 | .70 | -- | 1,500 | N | N | N | 30 | 20 | N | N |
| 76KP034 | 434,550 | 4,663,350 | 10.0 | 10.0 | .50 | -- | 1,500 | N | N | N | 150 | <20 | N | N |
| 76KPC46 | 423,089 | 4,672,740 | 10.0 | 7.0 | .05 | -- | 1,000 | N | N | N | N | <20 | N | N |
| 76KPC52 | 426,785 | 4,674,060 | 7.0 | 5.0 | 5.00 | -- | 3,000 | N | N | N | N | 50 | N | N |
| 76KPC58 | 427,150 | 4,674,950 | 10.0 | 7.0 | 10.00 | -- | 2,000 | N | N | N | <20 | <20 | N | N |
| 76KP076 | 423,500 | 4,670,150 | 15.0 | 5.0 | 10.00 | -- | 3,000 | N | N | N | <20 | 70 | N | N |
| 76KPC90 | 425,656 | 4,670,410 | 10.0 | 10.0 | 1.00 | -- | 1,500 | N | N | N | <20 | <20 | N | N |
| 76KP095 | 425,450 | 4,671,200 | 10.0 | 10.0 | .10 | -- | 700 | N | N | N | 20 | <20 | N | N |
| 76KP106 | 424,250 | 4,671,250 | 7.0 | 7.0 | 15.00 | -- | 2,000 | N | N | N | 30 | <20 | N | N |
| 76KP144 | 431,950 | 4,680,100 | 10.0 | 10.0 | 10.00 | -- | 2,000 | N | N | N | N | <20 | N | N |
| 76KP156 | 425,406 | 4,679,210 | 20.0 | 10.0 | 1.50 | -- | 5,000 | N | N | N | 100 | 30 | N | N |
| 76KP160 | 424,800 | 4,679,650 | 7.0 | 3.0 | 5.00 | -- | 2,000 | N | N | N | N | 100 | N | N |

Kalmiopsis Rock Analyses

| Sample | S-CD | S-CO | S-CR | S-CU | S-LA | S-MO | S-NB | S-NI | S-PB | S-SB | S-SC | S-SN | S-SR | S-V |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 76CPC05 | N | 150 | 5,000 | 30 | -- | N | -- | 5,000 | N | N | -- | N | -- | 50 |
| 76CP007 | N | 2,000 | >5,000 | 7 | -- | N | -- | 1,500 | N | N | -- | N | -- | 500 |
| 76CP009 | N | 300 | 5,000 | 5 | -- | N | -- | 5,000 | N | N | -- | N | -- | 70 |
| 76KG011 | N | 300 | 5,000 | 20 | -- | N | -- | 5,000 | N | N | -- | N | -- | 50 |
| 76KG018 | N | 150 | 5,000 | 50 | -- | N | -- | 1,500 | N | N | -- | N | -- | 100 |
| 76KG023 | N | 500 | 2,000 | N | -- | N | -- | 5,000 | N | N | -- | N | -- | 20 |
| 76KG061 | N | 1,000 | >5,000 | 50 | -- | N | -- | 1,500 | N | N | -- | N | -- | 300 |
| 76KG112 | N | 100 | 200 | 200 | -- | N | -- | 100 | N | N | -- | N | -- | 300 |
| 76KG119 | N | 70 | <50 | 50 | -- | N | -- | <5 | N | N | -- | N | -- | 500 |
| 76KG135 | N | 500 | 300 | 100 | -- | N | -- | 700 | N | N | -- | N | -- | 200 |
| 76KG150 | N | 100 | <50 | 150 | -- | N | -- | 10 | N | N | -- | N | -- | 500 |
| 76KT004 | N | 300 | 5,000 | 10 | -- | N | -- | 5,000 | N | N | -- | N | -- | 30 |
| 76KT023 | N | 70 | <50 | 150 | -- | N | -- | 20 | N | N | -- | N | -- | 700 |
| 76KT027 | N | 100 | 50 | 150 | -- | N | -- | 20 | N | N | -- | N | -- | 1,000 |
| 76KT031 | N | 100 | 50 | 500 | -- | N | -- | 20 | N | N | -- | N | -- | 1,000 |
| 76KT060 | N | 70 | <50 | 100 | -- | N | -- | 10 | N | N | -- | N | -- | 1,000 |
| 76KT061 | N | 70 | <50 | 100 | -- | N | -- | 15 | N | N | -- | N | -- | 1,000 |
| 76KT063 | N | 70 | N | 200 | -- | N | -- | 50 | N | N | -- | N | -- | 1,000 |
| 76KT064 | N | 100 | N | 100 | -- | N | -- | <5 | N | N | -- | N | -- | 700 |
| 76KT069 | N | 200 | 5,000 | 5 | -- | N | -- | 5,000 | N | N | -- | N | -- | 50 |
| 76KT070 | N | 200 | 5,000 | 150 | -- | N | -- | 5,000 | N | N | -- | N | -- | 70 |
| 76KT072 | N | 200 | >5,000 | 5 | -- | N | -- | 5,000 | N | N | -- | N | -- | 50 |
| 76KT075 | N | 50 | 50 | 10 | -- | N | -- | 100 | 20 | N | -- | N | -- | 300 |
| 76KT079 | N | 70 | 100 | 200 | -- | N | -- | 50 | N | N | -- | N | -- | 700 |
| 76KT080 | N | 100 | 50 | 300 | -- | N | -- | 30 | N | N | -- | N | -- | 1,000 |
| 76KT081 | N | 100 | 70 | 150 | -- | N | -- | 30 | N | N | -- | N | -- | 1,000 |
| 76KP001 | N | 150 | 5,000 | 7 | -- | N | -- | 3,000 | N | N | -- | N | -- | 70 |
| 76KP014 | N | 2,000 | >5,000 | <5 | -- | N | -- | 1,500 | N | N | -- | N | -- | 500 |
| 76KP020 | N | 200 | 5,000 | 5 | -- | N | -- | 5,000 | N | N | -- | N | -- | 70 |
| 76KP022 | N | 200 | 5,000 | 200 | -- | N | -- | 1,000 | N | N | -- | N | -- | 200 |
| 76KP026 | N | 200 | 5,000 | 15 | -- | N | -- | 1,000 | N | N | -- | N | -- | 100 |
| 76KP028 | N | 200 | 5,000 | 10 | -- | N | -- | 5,000 | N | N | -- | N | -- | 70 |
| 76KP031 | N | 150 | 5,000 | 100 | -- | N | -- | 3,000 | N | N | -- | N | -- | 70 |
| 76KP032 | N | 300 | 5,000 | 50 | -- | N | -- | 5,000 | N | N | -- | N | -- | 70 |
| 76KP034 | N | 300 | 5,000 | 7 | -- | N | -- | 5,000 | N | N | -- | N | -- | 50 |
| 76KP046 | N | 200 | 5,000 | 100 | -- | N | -- | 5,000 | N | N | -- | N | -- | 70 |
| 76KP052 | N | 70 | 1,000 | 200 | -- | N | -- | 200 | N | N | -- | N | -- | 500 |
| 76KP058 | N | 200 | 2,000 | 1,000 | -- | N | -- | 500 | N | N | -- | N | -- | 200 |
| 76KP076 | N | 100 | 150 | 200 | -- | N | -- | 100 | N | N | -- | N | -- | 700 |
| 76KP090 | N | 300 | 5,000 | 20 | -- | N | -- | 5,000 | N | N | -- | N | -- | 50 |
| 76KP095 | N | 200 | 5,000 | 15 | -- | N | -- | 5,000 | N | N | -- | N | -- | 50 |
| 76KP106 | N | 100 | 2,000 | 200 | -- | N | -- | 300 | N | N | -- | N | -- | 200 |
| 76KP144 | N | 100 | 2,000 | 10 | -- | N | -- | 1,500 | N | N | -- | N | -- | 200 |
| 76KP156 | N | 500 | 70 | 30 | -- | N | -- | 500 | N | N | -- | N | -- | 20 |
| 76KP160 | N | 20 | N | 70 | -- | N | -- | 15 | N | N | -- | N | -- | 300 |

## Kalmiopsis Rock Analyses

| Sample | S-W | S-Y | S-ZN | S-ZR | INST-HG | AS-PT | AS-PD | AS-RH | AS-RU | AS-IR | AS-AU |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 76CP005 | N | -- | N | -- | N | N | .005 | N | N | N | N |
| 76CP007 | N | -- | N | -- | N | .020 | .005 | N | N | N | <.002 |
| 76CP009 | N | -- | N | -- | N | .015 | .002 | N | N | N | N |
| 76KG011 | N | -- | N | -- | .04 | .010 | .007 | N | N | N | N |
| 76KG018 | N | -- | N | -- | <.02 | .020 | <.002 | N | N | N | N |
| 76KG023 | N | -- | N | -- | <.02 | .010 | .002 | N | N | N | N |
| 76KG061 | N | -- | N | -- | <.02 | .010 | .002 | N | N | N | .002 |
| 76KG112 | N | -- | N | -- | <.02 | N | .005 | N | N | N | .002 |
| 76KG119 | N | -- | N | -- | <.02 | N | <.001 | N | N | N | <.001 |
| 76KG135 | N | -- | N | -- | N | N | .002 | N | N | N | N |
| 76KG150 | N | -- | N | -- | <.02 | <.005 | <.001 | N | N | N | N |
| 76KT004 | N | -- | N | -- | N | N | .007 | N | N | N | N |
| 76KT023 | N | -- | N | -- | <.02 | N | .001 | N | N | N | <.001 |
| 76KT027 | N | -- | N | -- | <.02 | N | .002 | N | N | N | <.001 |
| 76KT031 | N | -- | N | -- | <.02 | .005 | .020 | N | N | N | .015 |
| 76KT060 | N | -- | <200 | -- | N | N | .001 | N | N | N | <.001 |
| 76KT061 | N | -- | N | -- | <.02 | N | <.005 | N | N | N | N |
| 76KT063 | N | -- | N | -- | .04 | N | <.005 | N | N | N | N |
| 76KT064 | N | -- | N | -- | <.02 | N | <.005 | N | N | N | N |
| 76KT069 | N | -- | N | -- | N | .010 | .007 | N | N | N | N |
| 76KT070 | N | -- | N | -- | .02 | .030 | .010 | N | N | N | N |
| 76KT072 | N | -- | N | -- | <.02 | .030 | .003 | N | N | N | N |
| 76KT075 | N | -- | N | -- | .14 | N | .001 | N | N | N | .003 |
| 76KT079 | N | -- | N | -- | N | .005 | .003 | N | N | N | .005 |
| 76KT080 | N | -- | N | -- | <.02 | N | .005 | N | N | N | .005 |
| 76KT031 | N | -- | N | -- | <.02 | N | .001 | N | N | N | N |
| 76KP001 | N | -- | N | -- | N | .020 | .002 | N | N | N | N |
| 76KP014 | N | -- | N | -- | N | .030 | <.003 | N | N | N | N |
| 76KP020 | N | -- | N | -- | .02 | N | .007 | N | N | N | N |
| 76KP022 | N | -- | N | -- | N | .060 | .060 | N | N | N | .010 |
| 76KP026 | N | -- | N | -- | <.02 | .020 | .010 | N | N | N | .002 |
| 76KP028 | N | -- | N | -- | N | .010 | .005 | N | N | N | .002 |
| 76KP031 | N | -- | N | -- | N | .010 | .007 | N | N | N | .002 |
| 76KP032 | N | -- | N | -- | .04 | .040 | .007 | N | N | N | <.002 |
| 76KP034 | N | -- | N | -- | .02 | .040 | .010 | N | N | N | .002 |
| 76KP046 | N | -- | N | -- | .02 | .020 | .005 | N | N | N | .002 |
| 76KP052 | N | -- | N | -- | <.02 | .020 | .020 | N | N | N | .002 |
| 76KP058 | N | -- | N | -- | N | .050 | .070 | N | N | N | .020 |
| 76KP076 | N | -- | N | -- | N | N | .003 | N | N | N | .020 |
| 76KP090 | N | -- | N | -- | N | .020 | .010 | N | N | N | .007 |
| 76KP095 | N | -- | N | -- | <.02 | N | .005 | N | N | N | .002 |
| 76KP106 | N | -- | N | -- | <.02 | .020 | .030 | N | N | N | .020 |
| 76KP144 | N | -- | N | -- | N | .030 | .020 | N | N | N | .010 |
| 76KP156 | N | -- | N | -- | N | N | .001 | N | N | N | <.001 |
| 76KP160 | N | -- | N | -- | N | N | <.001 | N | N | N | <.001 |

Kalmiopsis Rock Analyses--continued

| Sample | X-COORD. | Y-COORD. | S-FE% | S-MG% | S-CA% | S-TI% | S-MN | S-AG | S-AS | S-AU | S-B | S-BA | S-BE | S-BI |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 76KP161 | 425,500 | 4,679,650 | 15.0 | 10.0 | 15.00 | -- | 1,500 | N | N | N | N | <20 | N | N |
| 76KP184 | 422,850 | 4,681,000 | 7.0 | 2.0 | 1.50 | -- | 1,500 | N | N | N | 20 | 300 | N | N |
| 76KP191 | 424,328 | 4,674,660 | 10.0 | 3.0 | 10.00 | -- | 1,500 | N | N | N | <20 | 20 | N | N |
| 76KP192 | 424,328 | 4,674,660 | 10.0 | 5.0 | 10.00 | -- | 2,000 | N | N | N | 30 | 50 | N | N |
| 76KP198 | 424,950 | 4,675,650 | 15.0 | 5.0 | 10.00 | -- | 1,500 | N | N | N | N | 20 | N | N |
| 76KP203 | 419,150 | 4,684,050 | 10.0 | 2.0 | 1.50 | -- | 700 | N | N | N | 70 | 1,000 | N | N |
| 76KP205 | 415,427 | 4,684,020 | 10.0 | 2.0 | 1.00 | -- | 1,000 | N | N | N | 100 | 2,000 | N | N |
| 76KP210 | 414,121 | 4,681,030 | 5.0 | 2.0 | 5.00 | -- | 5,000 | N | N | N | 70 | 1,000 | N | N |
| 76KP213 | 425,400 | 4,676,450 | 15.0 | 3.0 | 10.00 | -- | 1,000 | <.5 | N | N | 50 | 150 | N | N |
| 76KP218 | 425,586 | 4,677,110 | 10.0 | 7.0 | 7.00 | -- | 3,000 | .7 | N | N | N | <20 | N | N |
| 76KP219 | 425,586 | 4,677,110 | 3.0 | 5.0 | 15.00 | -- | 1,000 | N | N | N | 30 | 100 | N | N |
| 76KP223 | 426,712 | 4,677,820 | 10.0 | 5.0 | 10.00 | -- | 2,000 | N | N | N | N | 50 | N | N |
| 76KP224 | 426,491 | 4,677,870 | 5.0 | 10.0 | 15.00 | -- | 1,500 | N | N | N | N | <20 | N | N |
| 76KP232 | 421,150 | 4,674,000 | 7.0 | 2.0 | 10.00 | -- | 700 | N | N | N | N | 20 | N | N |
| 76KP235 | 420,750 | 4,673,550 | 15.0 | 10.0 | .70 | -- | 1,500 | N | N | N | 70 | 20 | N | N |
| 76KP237 | 420,747 | 4,673,400 | 10.0 | 5.0 | 5.00 | -- | 1,500 | N | N | N | N | 50 | N | N |
| 76KP238 | 420,967 | 4,673,180 | 10.0 | 5.0 | 10.00 | -- | 1,500 | N | N | N | 30 | 70 | N | N |
| 76KP240 | 420,974 | 4,672,820 | 10.0 | 3.0 | 7.00 | -- | 2,000 | N | N | N | 20 | 70 | N | N |
| 76KP241 | 421,000 | 4,672,450 | 10.0 | 7.0 | 15.00 | -- | 2,000 | N | N | N | N | 20 | N | N |
| 76KP244 | 421,675 | 4,674,670 | 15.0 | 5.0 | 5.00 | -- | 3,000 | N | N | N | 20 | 1,500 | N | N |
| 76KP245 | 421,675 | 4,674,670 | 10.0 | 3.0 | 10.00 | -- | 2,000 | N | N | N | N | 20 | N | N |
| 76KP248 | 422,452 | 4,675,090 | 15.0 | 7.0 | 10.00 | -- | 2,000 | N | N | N | 30 | 50 | N | N |
| 76KP249 | 422,519 | 4,675,250 | 10.0 | 5.0 | 10.00 | -- | 2,000 | N | N | N | 50 | 30 | N | N |
| 76KP254 | 423,708 | 4,676,590 | 7.0 | 5.0 | 7.00 | -- | 3,000 | N | N | N | N | 100 | N | N |
| 76KP260 | 432,420 | 4,674,280 | 7.0 | 10.0 | 1.00 | -- | 1,000 | N | N | N | 30 | <20 | N | N |
| 76KP261 | 432,167 | 4,674,430 | 7.0 | 5.0 | 7.00 | -- | 1,500 | N | N | N | N | 70 | N | N |
| 76KP262 | 431,335 | 4,674,750 | 10.0 | 10.0 | 1.50 | -- | 1,500 | N | N | N | 20 | <20 | N | N |
| 76KP269 | 429,355 | 4,675,630 | 10.0 | 10.0 | .15 | -- | 1,000 | N | N | N | N | N | N | N |
| 76KP273 | 428,478 | 4,675,870 | 10.0 | 10.0 | .10 | -- | 1,000 | N | N | N | 30 | 50 | N | N |
| 76KP275 | 427,714 | 4,677,760 | 10.0 | 5.0 | 7.00 | -- | 3,000 | N | N | N | N | 100 | N | N |
| 76KP276 | 428,189 | 4,679,300 | 10.0 | 3.0 | 5.00 | -- | 2,000 | N | N | N | N | 200 | N | N |
| 76KP277 | 427,950 | 4,679,490 | 10.0 | 5.0 | 7.00 | -- | 3,000 | N | N | N | N | 100 | N | N |
| 76KP285 | 419,136 | 4,674,410 | 15.0 | 5.0 | 7.00 | -- | 3,000 | N | N | N | 20 | 70 | N | N |
| 76KP288 | 419,044 | 4,676,070 | 10.0 | 7.0 | 10.00 | -- | 2,000 | N | N | N | N | 20 | N | N |
| 76KP300 | 417,794 | 4,672,080 | 15.0 | 5.0 | 7.00 | -- | 1,500 | N | N | N | 30 | 500 | N | N |
| WTC1 | 425,200 | 4,684,175 | 5.0 | 1.0 | 5.00 | .500 | 700 | N | N | N | N | 150 | N | N |
| WTC2 | 425,199 | 4,684,176 | 5.0 | 3.0 | 7.00 | .150 | 1,500 | N | N | N | N | 30 | N | N |
| WTC3 | 425,193 | 4,684,178 | 5.0 | 5.0 | 7.00 | .150 | 1,000 | N | N | N | N | 20 | N | N |
| WTC4 | 425,197 | 4,684,179 | 3.0 | 5.0 | 10.00 | .200 | 1,000 | N | N | N | N | N | N | N |
| WTC5 | 425,196 | 4,684,179 | 3.0 | 5.0 | 7.00 | .150 | 1,000 | N | N | N | N | N | N | N |
| WTC6 | 425,196 | 4,684,179 | 5.0 | 5.0 | 10.00 | .150 | 1,000 | N | N | N | N | N | N | N |
| WTC7 | 425,100 | 4,684,000 | 3.0 | 7.0 | 10.00 | .300 | 1,000 | N | N | N | N | <20 | N | N |
| WTC8 | 425,050 | 4,683,900 | 7.0 | 3.0 | 7.00 | .300 | 1,500 | N | N | N | N | 20 | N | N |
| WTC9 | 425,049 | 4,683,900 | 5.0 | 5.0 | 7.00 | .200 | 1,500 | N | N | N | N | 50 | N | N |
| WTC10 | 425,048 | 4,683,900 | 7.0 | 7.0 | 7.00 | .200 | 1,500 | N | N | N | N | N | N | N |

Kalmiopsis Rock Analyses--continued

| Sample | S-CD | S-CO | S-CR | S-CU | S-LA | S-MO | S-NB | S-NI | S-PB | S-SB | S-SC | S-SN | S-SR | S-V |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 76KP161 | N | 100 | 5,000 | 70 | -- | N | -- | 300 | N | N | -- | N | -- | 500 |
| 76KP184 | N | 20 | 500 | 50 | -- | N | -- | 70 | 30 | N | -- | N | -- | 200 |
| 76KP191 | N | 100 | N | 100 | -- | N | -- | 15 | N | N | -- | N | -- | 700 |
| 76KP192 | N | 70 | N | 70 | -- | N | -- | 10 | N | N | -- | N | -- | 700 |
| 76KP198 | N | 100 | 200 | 200 | -- | N | -- | 100 | N | N | -- | N | -- | 1,500 |
| 76KP203 | N | 15 | 200 | 50 | -- | N | -- | 70 | 30 | N | -- | N | -- | 200 |
| 76KP205 | N | 30 | 200 | 100 | -- | N | -- | 100 | 50 | N | -- | N | -- | 300 |
| 76KP210 | N | 30 | 150 | 70 | -- | N | -- | 100 | 50 | N | -- | N | -- | 200 |
| 76KP213 | N | 150 | <50 | 300 | -- | N | -- | 100 | N | N | -- | N | -- | 200 |
| 76KP218 | N | 70 | 1,500 | 300 | -- | N | -- | 200 | N | N | -- | N | -- | 100 |
| 76KP219 | N | 50 | 1,500 | 15 | -- | N | -- | 150 | N | N | -- | N | -- | 200 |
| 76KP223 | N | 100 | 70 | 200 | -- | N | -- | 50 | N | N | -- | N | -- | 500 |
| 76KP224 | N | 150 | 2,000 | 100 | -- | N | -- | 300 | N | N | -- | N | -- | 100 |
| 76KP232 | N | 50 | <50 | 70 | -- | N | -- | 20 | N | N | -- | N | -- | 700 |
| 76KP235 | N | 300 | 5,000 | 7 | -- | N | -- | 2,000 | N | N | -- | N | -- | 30 |
| 76KP237 | N | 100 | 150 | 50 | -- | N | -- | 100 | N | N | -- | N | -- | 500 |
| 76KP238 | N | 150 | <50 | 30 | -- | N | -- | 100 | N | N | -- | N | -- | 300 |
| 76KP240 | N | 50 | 50 | 150 | -- | N | -- | 30 | N | N | -- | N | -- | 500 |
| 76KP241 | N | 150 | 1,500 | 300 | -- | N | -- | 200 | N | N | -- | N | -- | 300 |
| 76KP244 | N | 150 | 200 | 150 | -- | N | -- | 150 | N | N | -- | N | -- | 300 |
| 76KP245 | N | 30 | <50 | 100 | -- | N | -- | 15 | N | N | -- | N | -- | 500 |
| 76KP248 | N | 100 | <50 | 100 | -- | N | -- | 20 | N | N | -- | N | -- | 700 |
| 76KP249 | N | 70 | N | 300 | -- | N | -- | 15 | N | N | -- | N | -- | 700 |
| 76KP254 | N | 70 | 1,000 | 150 | -- | N | -- | 150 | N | N | -- | N | -- | 700 |
| 76KP260 | N | 200 | 5,000 | 20 | -- | N | -- | 5,000 | N | N | -- | N | -- | 70 |
| 76KP261 | N | 70 | 1,500 | 10 | -- | N | -- | 200 | N | N | -- | N | -- | 300 |
| 76KP262 | N | 300 | 5,000 | 30 | -- | N | -- | 5,000 | N | N | -- | N | -- | 50 |
| 76KP269 | N | 200 | >5,000 | 30 | -- | N | -- | 5,000 | N | N | -- | N | -- | 50 |
| 76KP273 | N | 200 | 5,000 | 20 | -- | N | -- | 5,000 | N | N | -- | N | -- | 50 |
| 76KP275 | N | 100 | 50 | 300 | -- | N | -- | 50 | N | N | -- | N | -- | 1,000 |
| 76KP276 | N | 100 | 50 | 200 | -- | N | -- | 30 | N | N | -- | N | -- | 1,000 |
| 76KP277 | N | 100 | 50 | 200 | -- | N | -- | 50 | N | N | -- | N | -- | 1,000 |
| 76KP285 | N | 200 | <50 | 300 | -- | N | -- | 150 | N | N | -- | N | -- | 500 |
| 76KP298 | N | 200 | 2,000 | 300 | -- | N | -- | 300 | N | N | -- | N | -- | 300 |
| 76KP300 | N | 150 | <50 | 150 | -- | N | -- | 100 | N | N | -- | N | -- | 700 |
| WTC1 | N | 50 | 30 | 200 | N | <5 | N | 50 | N | N | 50 | N | 500 | 500 |
| WTC2 | N | 70 | 500 | 70 | N | N | N | 100 | 10 | N | 100 | N | 100 | 300 |
| WTC3 | N | 70 | 1,500 | 50 | N | 7 | N | 150 | 10 | N | 100 | N | <100 | 300 |
| WTC4 | N | 70 | 1,000 | 70 | N | N | N | 150 | N | N | 100 | N | N | 300 |
| WTC5 | N | 70 | 1,000 | 20 | N | N | N | 150 | N | N | 100 | N | N | 300 |
| WTC6 | N | 50 | 700 | 200 | N | 7 | N | 100 | 50 | N | 100 | N | N | 300 |
| WTC7 | N | 70 | 1,000 | 70 | N | 5 | N | 150 | N | N | >100 | N | 150 | 700 |
| WTC8 | N | 70 | 100 | 70 | N | N | N | 50 | N | N | 70 | N | 300 | 700 |
| WTC9 | N | 70 | 150 | 100 | N | N | N | 70 | N | N | 70 | N | 200 | 500 |
| WTC10 | N | 100 | 300 | 300 | N | N | N | 150 | N | N | 70 | N | N | 700 |

Kalmiopsis Rock Analyses--continued

| Sample | S-W | S-Y | S-ZN | S-ZR | INST-HG | AS-PT | AS-PD | AS-RH | AS-RU | AS-IR | AS-AU |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 76KP161 | N | -- | N | -- | <.02 | .040 | .040 | N | N | N | .007 |
| 76KP184 | N | -- | N | -- | <.02 | N | <.001 | N | N | N | .005 |
| 76KP191 | N | -- | N | -- | N | N | .001 | N | N | N | <.001 |
| 76KP192 | N | -- | N | -- | N | N | N | N | N | N | <.001 |
| 76KP198 | N | -- | N | -- | N | N | .005 | N | N | N | <.001 |
| 76KP203 | N | -- | N | -- | N | N | .002 | N | N | N | .005 |
| 76KP205 | N | -- | N | -- | .10 | N | .002 | N | N | N | .015 |
| 76KP210 | N | -- | N | -- | .06 | N | .001 | N | N | N | .003 |
| 76KP213 | N | -- | N | -- | .02 | N | N | N | N | N | <.001 |
| 76KP218 | N | -- | N | -- | N | .010 | .030 | N | N | N | .030 |
| 76KP219 | N | -- | N | -- | N | .050 | .070 | N | N | N | .005 |
| 76KP223 | N | -- | N | -- | <.02 | N | .002 | N | N | N | .001 |
| 76KP224 | N | -- | N | -- | N | N | .003 | N | N | N | <.001 |
| 76KP232 | N | -- | N | -- | N | N | .001 | N | N | N | <.001 |
| 76KP235 | N | -- | N | -- | .02 | .015 | .002 | N | N | N | N |
| 76KP237 | N | -- | N | -- | <.02 | N | N | N | N | N | N |
| 76KP238 | N | -- | N | -- | N | N | N | N | N | N | N |
| 76KP240 | N | -- | N | -- | .02 | N | .003 | N | N | N | .002 |
| 76KP241 | N | -- | N | -- | <.02 | .010 | .010 | N | N | N | .010 |
| 76KP244 | N | -- | N | -- | <.02 | N | <.001 | N | N | N | N |
| 76KP245 | N | -- | N | -- | N | N | <.001 | N | N | N | <.001 |
| 76KP248 | N | -- | N | -- | .02 | N | .001 | N | N | N | .002 |
| 76KP249 | N | -- | N | -- | .02 | N | <.001 | N | N | N | .001 |
| 76KP254 | N | -- | N | -- | <.02 | .010 | .010 | N | N | N | .010 |
| 76KP260 | N | -- | N | -- | .02 | .030 | .010 | N | N | N | N |
| 76KP261 | N | -- | N | -- | .02 | N | .005 | N | N | N | N |
| 76KP262 | N | -- | N | -- | .02 | .030 | .010 | N | N | N | N |
| 76KP269 | N | -- | N | -- | .02 | .070 | <.005 | N | N | N | N |
| 76KP273 | N | -- | N | -- | <.02 | N | .005 | N | N | N | N |
| 76KP275 | N | -- | N | -- | <.02 | N | .003 | N | N | N | .005 |
| 76KP276 | N | -- | N | -- | .02 | N | .002 | N | N | N | .005 |
| 76KP277 | N | -- | N | -- | <.02 | N | .003 | N | N | N | .002 |
| 76KP285 | N | -- | N | -- | .02 | N | <.001 | N | N | N | .015 |
| 76KP288 | N | -- | N | -- | .06 | .015 | .015 | N | N | N | .020 |
| 76KP300 | N | -- | N | -- | .02 | N | <.001 | N | N | N | N |
| WTC1 | N | 10 | N | N | -- | N | .001 | N | N | N | N |
| WTC2 | N | 10 | N | N | -- | N | .005 | N | N | N | N |
| WTC3 | N | <10 | N | N | -- | .005 | .015 | N | N | N | N |
| WTC4 | N | <10 | N | N | -- | .050 | .100 | N | N | N | .001 |
| WTC5 | N | <10 | N | N | -- | N | .003 | N | N | N | N |
| WTC6 | N | <10 | N | N | -- | .030 | .100 | N | N | N | .010 |
| WTC7 | N | 10 | N | 15 | -- | .020 | .050 | N | N | N | N |
| WTC8 | N | 10 | N | N | -- | N | .100 | N | N | N | .005 |
| WTC9 | N | <10 | N | N | -- | N | .020 | N | N | N | N |
| WTC10 | N | <10 | N | N | -- | .005 | .007 | N | N | N | .020 |

Kalmiopsis Rock Analyses--continued

| Sample | X-COORD. | Y-COORD. | S-FE% | S-MG% | S-CA% | S-TI% | S-MN | S-AG | S-AS | S-AU | S-B | S-BA | S-BE | S-BI |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WTC11 | 424,825 | 4,684,100 | 7.0 | 5.0 | 7.00 | .500 | 700 | N | N | N | N | 100 | N | N |
| WTC12 | 424,825 | 4,684,100 | 3.0 | 5.0 | 10.00 | .150 | 1,000 | N | N | N | N | <20 | N | N |
| WTC13 | 424,826 | 4,684,100 | 3.0 | 5.0 | 10.00 | .150 | 1,000 | N | N | N | N | 30 | N | N |
| WTC14 | 424,826 | 4,684,100 | 10.0 | 5.0 | 10.00 | .200 | 1,000 | N | N | N | 30 | <20 | N | N |
| WTC15 | 424,827 | 4,684,100 | 3.0 | 5.0 | 15.00 | .150 | 1,000 | N | N | N | N | <20 | N | N |
| WTC16 | 425,000 | 4,686,250 | 5.0 | 7.0 | .70 | .020 | 1,500 | N | N | N | 20 | N | N | N |
| WTC17 | 425,000 | 4,686,250 | 2.0 | 7.0 | 7.00 | .050 | 1,000 | N | N | N | 10 | N | N | N |
| WTC18 | 425,000 | 4,686,250 | 5.0 | 5.0 | .50 | .020 | 1,000 | N | N | N | 20 | N | N | N |
| WTC19 | 425,000 | 4,686,250 | 3.0 | 7.0 | .10 | .020 | 700 | N | N | N | N | N | N | N |
| WTC20 | 425,000 | 4,686,250 | 5.0 | 7.0 | .70 | .020 | 1,500 | N | N | N | 20 | N | N | N |
| WTC21 | 425,000 | 4,686,250 | 3.0 | 7.0 | .30 | .020 | 1,000 | N | N | N | 30 | N | N | N |
| WTC22 | 425,000 | 4,686,250 | 3.0 | 5.0 | 10.00 | .070 | 1,000 | N | N | N | N | N | N | N |
| WTC23 | 425,000 | 4,686,250 | 3.0 | 7.0 | 15.00 | .100 | 1,000 | N | N | N | N | N | N | N |
| WTC24 | 425,000 | 4,686,250 | 2.0 | 7.0 | 15.00 | .070 | 700 | N | N | N | N | N | N | N |
| WTC25 | 425,000 | 4,686,250 | 1.5 | 5.0 | 10.00 | .050 | 700 | N | N | N | N | N | N | N |
| WTC26 | 425,000 | 4,686,250 | 3.0 | 5.0 | 10.00 | .050 | 1,000 | N | N | N | 10 | N | N | N |
| WTC27 | 425,000 | 4,686,250 | 3.0 | 3.0 | 10.00 | .070 | 1,500 | N | N | N | 10 | N | N | N |
| WTC28 | 425,000 | 4,686,250 | 5.0 | 5.0 | 10.00 | .100 | 1,500 | N | N | N | N | N | N | N |
| WTC29 | 425,000 | 4,686,250 | 3.0 | 3.0 | 7.00 | .150 | 1,500 | .7 | N | N | 15 | 150 | N | N |
| WTC30 | 425,000 | 4,686,250 | 3.0 | 2.0 | 5.00 | .200 | 1,500 | N | N | N | 10 | 20 | N | N |
| WTC31 | 424,150 | 4,685,350 | 3.0 | 7.0 | 20.00 | .100 | 1,500 | N | N | N | 10 | <20 | N | N |
| WTC32 | 424,150 | 4,685,350 | 5.0 | 7.0 | 7.00 | .070 | 1,000 | .5 | N | N | 10 | N | N | N |
| WTC33 | 424,150 | 4,685,350 | 5.0 | 7.0 | 7.00 | .070 | 1,000 | N | N | N | 10 | N | N | N |
| WTC34 | 424,149 | 4,685,350 | 2.0 | 5.0 | 10.00 | .030 | 700 | N | N | N | N | <20 | N | N |
| WTC35 | 424,149 | 4,685,350 | 5.0 | 3.0 | 7.00 | .200 | 700 | N | N | N | N | <20 | <1 | N |
| WTC36 | 424,149 | 4,685,349 | 3.0 | 2.0 | 7.00 | .150 | 1,000 | N | N | N | N | 150 | <1 | N |
| WTC37 | 424,149 | 4,685,349 | 5.0 | 3.0 | 7.00 | .300 | 1,000 | N | N | N | N | <20 | <1 | N |
| WTC38 | 424,650 | 4,684,600 | 3.0 | 3.0 | 7.00 | .500 | 700 | N | N | N | N | 30 | <1 | N |
| WTC39 | 424,651 | 4,684,600 | 3.0 | 5.0 | 10.00 | .150 | 700 | N | N | N | N | 20 | <1 | N |
| WTC40 | 424,651 | 4,684,600 | 7.0 | 5.0 | 7.00 | .300 | 700 | N | N | N | N | 50 | <1 | N |
| WTC41 | 424,651 | 4,684,600 | 3.0 | 3.0 | 5.00 | .100 | 1,000 | N | N | N | N | 20 | N | N |
| WTC42 | 424,651 | 4,684,600 | 7.0 | 5.0 | 5.00 | .300 | 700 | N | N | N | N | 30 | N | N |
| WTC43 | 424,652 | 4,684,600 | 3.0 | 3.0 | 7.00 | .100 | 700 | N | N | N | N | N | N | N |
| WTC44 | 424,652 | 4,684,600 | 2.0 | 5.0 | 20.00 | .150 | 1,500 | N | N | N | N | N | N | N |
| WTC45 | 424,250 | 4,684,750 | 2.0 | 5.0 | 7.00 | .100 | 1,000 | N | N | N | N | N | N | N |
| WTC46 | 424,250 | 4,684,750 | 1.5 | 3.0 | 10.00 | .100 | 700 | N | N | N | N | 20 | N | N |
| WTC47 | 424,250 | 4,684,750 | 5.0 | 2.0 | 7.00 | .200 | 1,000 | N | N | N | N | <20 | N | N |
| WTC48 | 424,250 | 4,684,750 | 5.0 | 3.0 | 7.00 | .150 | 1,000 | N | N | N | N | N | N | N |
| WTC49 | 424,250 | 4,684,749 | 3.0 | 3.0 | 7.00 | .100 | 700 | N | N | N | N | <20 | N | N |
| WTC50 | 424,250 | 4,684,748 | 3.0 | 5.0 | 10.00 | .100 | 700 | N | N | N | N | N | N | N |
| WTC51 | 424,250 | 4,684,748 | 5.0 | 5.0 | 7.00 | .500 | 1,000 | N | N | N | N | 30 | N | N |
| WTC52 | 424,250 | 4,684,747 | 3.0 | 2.0 | .50 | .030 | 700 | N | N | N | N | N | N | N |
| WBC53 | 424,900 | 4,675,200 | 7.0 | 5.0 | 2.00 | .070 | 1,000 | N | N | N | 10 | <20 | N | N |
| WBC54 | 424,900 | 4,675,200 | 7.0 | 7.0 | 1.50 | .030 | 1,000 | N | N | N | 10 | N | N | N |
| WBC55 | 424,900 | 4,675,199 | 10.0 | 1.0 | 5.00 | .500 | 700 | N | N | N | N | <20 | N | N |

Kalmiopsis Rock Analyses--continued

| Sample | S-CD | S-CO | S-CR | S-CU | S-LA | S-MO | S-NB | S-NI | S-PB | S-SB | S-SC | S-SN | S-SR | S-V |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WTC11 | N | 70 | 200 | 300 | N | N | N | 100 | N | N | 100 | N | 300 | 1,000 |
| WTC12 | N | 50 | 1,500 | 30 | N | N | N | 100 | N | N | 100 | N | 100 | 300 |
| WTC13 | N | 50 | 1,000 | 70 | N | N | N | 100 | N | N | 70 | N | 100 | 300 |
| WTC14 | N | 70 | 1,000 | 300 | N | N | N | 150 | N | N | 70 | N | <100 | 1,000 |
| WTC15 | N | 50 | 1,000 | 100 | N | N | N | 70 | N | N | 70 | N | 100 | 200 |
| WTC16 | N | 150 | 3,000 | 20 | N | N | N | 1,500 | N | N | 15 | N | N | 70 |
| WTC17 | N | 70 | 1,500 | 100 | N | N | N | 300 | N | N | 50 | N | N | 150 |
| WTC18 | N | 100 | 2,000 | 70 | N | N | N | 1,500 | N | N | 15 | N | N | 70 |
| WTC19 | N | 100 | 3,000 | 20 | N | N | N | 1,000 | 15 | N | 10 | N | N | 70 |
| WTC20 | N | 100 | 3,000 | 70 | N | N | N | 1,000 | N | N | 15 | N | N | 100 |
| WTC21 | N | 150 | 5,000 | 100 | N | N | N | 1,500 | N | N | 15 | N | N | 70 |
| WTC22 | N | 70 | 2,000 | 150 | N | 7 | N | 300 | N | N | 70 | N | N | 150 |
| WTC23 | N | 70 | 2,000 | 150 | N | 7 | N | 300 | N | N | 70 | N | N | 200 |
| WTC24 | N | 70 | 1,500 | 200 | N | 5 | N | 200 | N | N | 70 | N | N | 300 |
| WTC25 | N | 50 | 1,000 | 100 | N | N | N | 100 | N | N | 70 | N | N | 150 |
| WTC26 | N | 50 | 1,000 | 150 | N | N | N | 100 | N | N | 70 | N | N | 150 |
| WTC27 | N | 50 | 700 | 100 | N | N | N | 100 | <10 | N | 70 | N | <100 | 200 |
| WTC28 | N | 50 | 1,000 | 70 | N | N | N | 100 | N | N | 70 | N | 100 | 200 |
| WTC29 | N | 30 | 200 | 100 | N | N | N | 50 | <10 | N | 70 | N | 300 | 200 |
| WTC30 | N | 30 | 15 | 150 | N | N | N | 15 | N | N | 50 | N | 200 | 300 |
| WTC31 | N | 50 | 1,500 | 200 | N | 7 | N | 150 | N | N | 100 | N | <100 | 300 |
| WTC32 | N | 70 | 700 | 300 | N | <5 | N | 200 | N | N | 70 | N | N | 150 |
| WTC33 | N | 70 | 1,500 | 100 | N | 5 | N | 150 | N | N | 70 | N | N | 200 |
| WTC34 | N | 30 | 200 | 70 | N | N | N | 50 | N | N | 20 | N | 300 | 100 |
| WTC35 | N | 50 | 70 | 300 | N | N | N | 50 | N | N | 70 | N | 200 | 1,000 |
| WTC36 | N | 20 | 100 | 300 | N | <5 | N | 30 | N | N | 50 | N | 300 | 200 |
| WTC37 | N | 30 | 30 | 200 | N | N | N | 15 | N | N | 70 | N | 200 | 500 |
| WTC38 | N | 30 | 30 | 100 | N | N | N | 15 | N | N | 70 | N | 300 | 500 |
| WTC39 | N | 30 | 500 | 70 | N | <5 | N | 70 | N | N | 70 | N | 150 | 150 |
| WTC40 | N | 30 | 50 | 100 | N | N | N | 20 | N | N | 70 | N | 200 | 700 |
| WTC41 | N | 50 | 1,000 | 70 | N | N | N | 70 | 10 | N | 70 | N | 100 | 200 |
| WTC42 | N | 70 | 20 | 200 | N | <5 | N | 70 | 20 | N | 70 | N | 300 | 700 |
| WTC43 | N | 50 | 1,000 | 200 | N | N | N | 100 | 10 | N | 70 | N | N | 200 |
| WTC44 | N | 50 | 1,500 | 70 | N | N | N | 100 | 10 | N | 100 | N | N | 200 |
| WTC45 | N | 30 | 500 | 50 | N | N | N | 70 | N | N | 50 | N | 150 | 150 |
| WTC46 | N | 20 | 300 | 50 | N | N | N | 70 | N | N | 30 | N | 300 | 150 |
| WTC47 | N | 70 | 700 | 150 | N | N | N | 100 | N | N | 70 | N | 200 | 300 |
| WTC48 | N | 70 | 1,500 | 70 | N | N | N | 300 | N | N | 70 | N | <100 | 150 |
| WTC49 | N | 50 | 1,000 | 50 | N | <5 | N | 150 | N | N | 70 | N | 100 | 150 |
| WTC50 | N | 70 | 2,000 | 50 | N | 5 | N | 300 | N | N | 70 | N | N | 150 |
| WTC51 | N | 50 | 100 | 150 | N | <5 | N | 30 | N | N | 70 | N | 300 | 300 |
| WTC52 | N | 70 | 2,000 | 15 | N | N | N | 1,000 | N | N | 50 | N | N | 70 |
| WBC53 | N | 100 | 500 | 70 | N | N | N | 300 | N | N | 15 | N | 100 | 200 |
| WBC54 | N | 100 | 1,500 | 30 | N | N | N | 300 | N | N | 20 | N | N | 100 |
| WBC55 | N | 20 | 1,000 | 300 | N | N | N | 50 | N | N | 15 | N | 150 | 200 |

Kalmiopsis Rock Analyses--continued

| Sample | S-W | S-Y | S-ZN | S-ZR | INST-HG | AS-PT | AS-PD | AS-RH | AS-RU | AS-IR | AS-AU |
|---|---|---|---|---|---|---|---|---|---|---|---|
| WTC11 | N | 15 | N | 10 | -- | N | .001 | N | N | N | N |
| WTC12 | N | 10 | N | 10 | -- | N | .001 | N | N | N | N |
| WTC13 | N | 10 | N | 10 | -- | N | .002 | N | N | N | N |
| WTC14 | N | <10 | N | N | -- | N | .002 | N | N | N | .005 |
| WTC15 | N | N | N | N | -- | N | .001 | N | N | N | N |
| WTC16 | N | N | N | N | -- | N | .005 | N | N | N | N |
| WTC17 | N | N | N | N | -- | .005 | .015 | N | N | N | .002 |
| WTC18 | N | N | N | N | -- | .020 | .070 | N | N | N | .002 |
| WTC19 | N | N | N | N | -- | N | .005 | N | N | N | N |
| WTC20 | N | N | N | N | -- | .005 | .015 | N | N | N | .001 |
| WTC21 | N | N | N | N | -- | .015 | .020 | N | N | N | N |
| WTC22 | N | N | N | N | -- | N | .010 | N | N | N | .010 |
| WTC23 | N | N | N | N | -- | .010 | .070 | N | N | N | .050 |
| WTC24 | N | <10 | N | N | -- | .015 | .050 | N | N | N | .020 |
| WTC25 | N | N | N | N | -- | .050 | .100 | N | N | N | .015 |
| WTC26 | N | N | N | N | -- | .010 | .070 | N | N | N | .007 |
| WTC27 | N | N | N | N | -- | .005 | .050 | N | N | N | .001 |
| WTC28 | N | <10 | N | N | -- | .030 | .050 | N | N | N | .001 |
| WTC29 | N | 15 | N | 50 | -- | N | .010 | N | N | N | .005 |
| WTC30 | N | 15 | N | N | -- | N | .001 | N | N | N | N |
| WTC31 | N | N | N | N | -- | .050 | .200 | N | N | N | .010 |
| WTC32 | N | N | N | N | -- | .050 | .100 | N | N | N | .070 |
| WTC33 | N | N | N | N | -- | .020 | .100 | N | N | N | .005 |
| WTC34 | N | N | N | N | -- | N | .005 | N | N | N | N |
| WTC35 | N | N | N | N | -- | N | .005 | N | N | N | N |
| WTC36 | N | -15 | N | N | -- | N | .007 | N | N | N | N |
| WTC37 | N | N | N | N | -- | N | .001 | N | N | N | N |
| WTC33 | N | 10 | N | N | -- | N | .001 | N | N | N | N |
| WTC39 | N | <10 | N | 10 | -- | N | N | N | N | N | .003 |
| WTC40 | N | 15 | N | 10 | -- | .005 | .007 | N | N | N | N |
| WTC41 | N | <10 | N | 10 | -- | .010 | .010 | N | N | N | .003 |
| WTC42 | N | 10 | N | 10 | -- | N | N | N | N | N | .007 |
| WTC43 | N | N | N | 10 | -- | N | .005 | N | N | N | .005 |
| WTC44 | N | 10 | N | 10 | -- | N | .007 | N | N | N | .001 |
| WTC45 | N | N | N | N | -- | N | .005 | N | N | N | N |
| WTC46 | N | <10 | N | N | -- | N | .005 | N | N | N | N |
| WTC47 | N | 15 | N | N | -- | N | .005 | N | N | N | N |
| WTC48 | N | <10 | N | N | -- | N | .007 | N | N | N | N |
| WTC49 | N | N | N | N | -- | .005 | .010 | N | N | N | N |
| WTC50 | N | <10 | N | N | -- | .050 | .150 | N | N | N | N |
| WTC51 | N | 15 | N | N | -- | N | .005 | N | N | N | N |
| WTC52 | N | N | N | N | -- | N | .002 | N | N | N | N |
| WBC53 | N | N | N | N | -- | N | .005 | N | N | N | N |
| WBC54 | N | N | N | N | -- | N | .005 | N | N | N | N |
| WBC55 | N | N | <200 | N | -- | .005 | .150 | N | N | N | .002 |

Kalmiopsis Rock Analyses--continued

| Sample | X-COORD. | Y-COORD. | S-FE% | S-MG% | S-CA% | S-TI% | S-MN | S-AG | S-AS | S-AU | S-B | S-BA | S-BE | S-BI |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WBC56 | 424,900 | 4,675,199 | 5.0 | .7 | 7.00 | .150 | 700 | N | N | N | 10 | N | N | N |
| WBC57 | 424,900 | 4,675,199 | 5.0 | 2.0 | 5.00 | .200 | 700 | N | N | N | N | <20 | N | N |
| WBC58 | 424,900 | 4,675,199 | 3.0 | 2.0 | 3.00 | .300 | 700 | N | N | N | N | 30 | N | N |
| WBC59 | 424,970 | 4,676,300 | 3.0 | 2.0 | 7.00 | .300 | 1,000 | N | N | N | N | N | N | N |
| WBC60 | 424,970 | 4,676,300 | 3.0 | 3.0 | 7.00 | .150 | 1,000 | N | N | N | N | <20 | N | N |
| WBC61 | 424,970 | 4,676,301 | 1.5 | 3.0 | 7.00 | .050 | 700 | N | N | N | 15 | 20 | N | N |
| WBC62 | 424,970 | 4,676,301 | 3.0 | 7.0 | 7.00 | .100 | 700 | N | N | N | N | N | N | N |
| WBC63 | 424,970 | 4,676,301 | 5.0 | 7.0 | .30 | .020 | 1,000 | N | N | N | 30 | N | N | N |
| WTC64 | 427,000 | 4,675,250 | 7.0 | 3.0 | 5.00 | .070 | 700 | .5 | N | N | N | N | N | N |
| WTC65 | 427,000 | 4,675,250 | 5.0 | 5.0 | 7.00 | .070 | 700 | .5 | N | N | N | N | N | N |
| WCC66 | 427,000 | 4,675,250 | 2.0 | 5.0 | 7.00 | .050 | 1,000 | N | N | N | N | N | N | N |
| WMR68 | 425,370 | 4,672,100 | 5.0 | 2.0 | 7.00 | .200 | 1,500 | N | N | N | 50 | 100 | N | N |
| WMR69 | 425,370 | 4,672,099 | 7.0 | 3.0 | 10.00 | .200 | 1,000 | N | N | N | 20 | N | N | N |
| WMR7C | 425,370 | 4,672,099 | 1.5 | 1.0 | 15.00 | .030 | 300 | N | N | N | N | N | N | N |
| WMR71 | 425,370 | 4,672,099 | 3.0 | 7.0 | .70 | .030 | 700 | N | N | N | 50 | N | N | N |
| WMR72 | 425,370 | 4,672,099 | 2.0 | 7.0 | 3.00 | .020 | 700 | N | N | N | 30 | N | N | N |
| WMR73 | 425,500 | 4,671,250 | 3.0 | 5.0 | 7.00 | .200 | 1,000 | N | N | N | 20 | N | <1 | N |
| WMR74 | 425,500 | 4,671,250 | 3.0 | 3.0 | 3.00 | .500 | 1,000 | N | N | N | N | 150 | <1 | N |
| WMR75 | 425,500 | 4,671,250 | 5.0 | 3.0 | 3.00 | .200 | 1,000 | N | N | N | N | 150 | <1 | N |
| WCR76 | 424,200 | 4,671,525 | 3.0 | 2.0 | 5.00 | .150 | 1,000 | N | N | N | 20 | 70 | 1 | N |
| WCR77 | 424,200 | 4,671,525 | 5.0 | 1.5 | 7.00 | .500 | 1,500 | N | N | N | 300 | 150 | N | N |
| WCR78 | 424,200 | 4,671,525 | 3.0 | 5.0 | 10.00 | .150 | 700 | N | N | N | 15 | 150 | N | N |
| WMR67 | 425,370 | 4,672,100 | 3.0 | 3.0 | 7.00 | .100 | 700 | N | N | N | N | 20 | N | N |
| WTC37A | 424,149 | 4,685,349 | 5.0 | 5.0 | 7.00 | .500 | 1,500 | N | N | N | 10 | 30 | N | N |
| 76KP002 | 425,498 | 4,664,820 | 10.0 | 10.0 | 1.50 | -- | 1,000 | N | N | N | <20 | 20 | N | N |
| 76KP003 | 425,834 | 4,665,920 | 10.0 | 10.0 | .15 | -- | 1,000 | N | N | N | 20 | <20 | N | N |
| 76KP004 | 426,316 | 4,666,540 | 10.0 | 10.0 | 3.00 | -- | 1,500 | N | N | N | 70 | <20 | N | N |
| 76KP008 | 425,141 | 4,666,070 | 10.0 | 10.0 | 1.50 | -- | 1,000 | N | N | N | 20 | <20 | N | N |
| 76KP009 | 424,259 | 4,664,930 | 10.0 | 10.0 | 1.50 | -- | 1,000 | N | N | N | N | <20 | N | N |
| 76KP010 | 429,319 | 4,665,610 | 10.0 | 10.0 | .30 | -- | 1,000 | N | N | N | N | <20 | N | N |
| 76KP012 | 429,671 | 4,666,030 | 10.0 | 10.0 | 1.50 | -- | 1,000 | N | N | N | <20 | 20 | N | N |
| 76KP013 | 429,735 | 4,665,710 | 10.0 | 10.0 | 1.00 | -- | 1,500 | N | N | N | N | <20 | N | N |
| 76KP017 | 423,851 | 4,668,050 | 10.0 | 10.0 | 2.00 | -- | 1,500 | N | N | N | <20 | <20 | N | N |
| 76KP019 | 428,461 | 4,668,340 | 5.0 | 2.0 | 2.00 | -- | 3,000 | N | N | N | <20 | 500 | N | N |
| 76KP023 | 431,328 | 4,661,370 | 10.0 | 10.0 | 1.00 | -- | 1,500 | N | N | N | N | 20 | N | N |
| 76KP024 | 432,172 | 4,659,880 | 10.0 | 10.0 | .70 | -- | 1,000 | N | N | N | N | <20 | N | N |
| 76KP027 | 431,811 | 4,658,950 | 10.0 | 10.0 | .70 | -- | 1,500 | N | N | N | N | <20 | N | N |
| 76KP043 | 429,861 | 4,669,030 | 10.0 | 5.0 | 10.00 | -- | 2,000 | N | N | N | N | 20 | N | N |
| 76KP045 | 429,109 | 4,672,450 | 10.0 | 10.0 | .50 | -- | 1,000 | N | N | N | 100 | <20 | N | N |
| 76KP050 | 427,153 | 4,672,920 | 15.0 | 5.0 | 15.00 | -- | 5,000 | N | N | N | 20 | 50 | N | N |
| 76KP051 | 426,764 | 4,673,420 | 10.0 | 3.0 | 10.00 | -- | 5,000 | N | N | N | 30 | 200 | N | N |
| 76KP053 | 426,832 | 4,674,440 | 10.0 | 10.0 | 5.00 | -- | 2,000 | N | N | N | N | 20 | N | N |
| 76KP059 | 427,150 | 4,674,950 | 7.0 | 7.0 | 15.00 | -- | 1,500 | N | N | N | <20 | <20 | N | N |
| 76KP062 | 426,282 | 4,672,280 | 15.0 | 10.0 | 7.00 | -- | 2,000 | N | N | N | N | 70 | N | N |
| 76KP065 | 426,161 | 4,672,080 | 10.0 | 10.0 | 15.00 | -- | 1,500 | N | N | N | N | <20 | N | N |

Kalmiopsis Rock Analyses--continued

| Sample | S-CD | S-CO | S-CR | S-CU | S-LA | S-MO | S-NB | S-NI | S-PB | S-SB | S-SC | S-SN | S-SR | S-V |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WBC56 | N | 20 | 300 | 200 | N | N | N | 30 | N | N | 15 | N | 300 | 150 |
| WBC57 | N | 30 | 15 | 200 | N | N | N | 30 | N | N | 50 | N | 150 | 700 |
| WBC53 | N | 30 | 10 | 100 | N | N | N | 20 | N | N | 70 | N | 150 | 500 |
| WBC59 | N | 30 | 300 | 150 | N | N | N | 100 | N | N | 70 | N | 150 | 300 |
| WBC60 | N | 30 | 500 | 100 | N | N | N | 70 | N | N | 70 | N | 100 | 200 |
| WBC61 | N | 20 | 300 | 150 | N | N | N | 70 | <10 | N | 50 | N | 150 | 100 |
| WBC62 | N | 70 | 1,500 | 300 | N | <5 | N | 300 | N | N | 70 | N | N | 150 |
| WBC63 | N | 100 | 2,000 | 100 | N | N | N | 500 | N | N | 10 | N | N | 50 |
| WTC64 | N | 200 | 1,500 | 2,000 | N | N | N | 1,500 | N | N | 30 | N | <100 | 150 |
| WTC65 | N | 70 | 1,500 | 1,500 | N | N | N | 200 | N | N | 50 | N | N | 150 |
| WCC66 | N | 100 | 2,000 | 200 | N | N | N | 300 | N | N | 70 | N | N | 150 |
| WMR68 | N | 70 | 100 | 100 | N | N | N | 20 | N | N | 70 | N | 300 | 500 |
| WMR69 | N | 100 | 50 | 150 | N | N | N | 30 | N | N | 70 | N | 500 | 700 |
| WMR70 | N | 50 | 100 | 50 | N | 5 | N | 50 | N | N | 15 | N | <100 | 100 |
| WMR71 | N | 150 | 2,000 | 200 | N | N | N | 1,000 | N | N | 15 | N | N | 50 |
| WMR72 | N | 150 | 3,000 | 300 | N | N | N | 700 | N | N | 20 | N | N | 70 |
| WMR73 | N | 70 | 300 | 50 | 20 | N | N | 150 | N | N | 30 | N | 150 | 200 |
| WMR74 | N | 100 | 500 | 70 | 50 | N | N | 300 | <10 | N | 20 | N | 500 | 200 |
| WMR75 | N | 70 | 300 | 10 | 20 | N | N | 70 | <10 | N | 50 | N | 500 | 300 |
| WCR76 | N | 30 | 20 | 200 | N | <5 | N | 30 | <10 | N | 30 | N | 700 | 300 |
| WCR77 | N | 30 | 15 | 150 | N | N | N | 70 | N | N | 50 | N | 700 | 500 |
| WCR78 | N | 50 | 200 | 50 | N | <5 | N | 50 | N | N | 70 | N | 300 | 200 |
| WMR67 | N | 100 | 50 | 1,000 | N | <5 | N | 70 | N | N | 30 | N | 200 | 150 |
| WTC37A | N | 30 | 30 | 100 | N | N | N | 20 | <10 | N | 50 | N | 300 | 200 |
| 76KP002 | N | 200 | >5,000 | 100 | -- | N | -- | 5,000 | N | N | -- | N | -- | 100 |
| 76KP003 | N | 300 | 5,000 | 5 | -- | N | -- | 5,000 | N | N | -- | N | -- | 20 |
| 76KP004 | N | 200 | 3,000 | 20 | -- | N | -- | 5,000 | N | N | -- | N | -- | 70 |
| 76KP008 | N | 200 | 5,000 | 70 | -- | N | -- | 5,000 | N | N | -- | N | -- | 70 |
| 76KP009 | N | 200 | >5,000 | 100 | -- | N | -- | 5,000 | N | N | -- | N | -- | 100 |
| 76KP010 | N | 300 | >5,000 | 7 | -- | N | -- | 5,000 | N | N | -- | N | -- | 50 |
| 76KP012 | N | 300 | >5,000 | 7 | -- | N | -- | 5,000 | N | N | -- | N | -- | 50 |
| 76KP013 | N | 300 | 5,000 | <5 | -- | N | -- | 5,000 | 30 | N | -- | N | -- | 50 |
| 76KP017 | N | 300 | 5,000 | 7 | -- | N | -- | 5,000 | N | N | -- | N | -- | 70 |
| 76KP019 | N | 200 | 100 | 20 | -- | N | -- | 50 | N | N | -- | N | -- | 100 |
| 76KP023 | N | 300 | 5,000 | 10 | -- | N | -- | 5,000 | N | N | -- | N | -- | 50 |
| 76KP024 | N | 200 | >5,000 | <5 | -- | N | -- | 5,000 | N | N | -- | N | -- | 50 |
| 76KP027 | N | 200 | 5,000 | 20 | -- | N | -- | 5,000 | N | N | -- | N | -- | 50 |
| 76KP043 | N | 100 | 1,000 | 30 | -- | N | -- | 100 | N | N | -- | N | -- | 500 |
| 76KP045 | N | 200 | 5,000 | 30 | -- | N | -- | 5,000 | N | N | -- | N | -- | 100 |
| 76KP050 | N | 100 | 500 | 100 | -- | N | -- | 150 | N | N | -- | N | -- | 500 |
| 76KP051 | N | 70 | 100 | 150 | -- | N | -- | 50 | N | N | -- | N | -- | 700 |
| 76KP053 | N | 200 | 5,000 | 50 | -- | N | -- | 1,500 | N | N | -- | N | -- | 200 |
| 76KP059 | N | 150 | 3,000 | 500 | -- | N | -- | 300 | N | N | -- | N | -- | 200 |
| 76KP063 | N | 150 | 500 | 200 | -- | N | -- | 150 | N | N | -- | N | -- | 1,500 |
| 76KP065 | N | 100 | 2,000 | 150 | -- | N | -- | 200 | N | N | -- | N | -- | 700 |

Kalmiopsis Rock Analyses--continued

| Sample | S-W | S-Y | S-ZN | S-ZR | INST-HG | AS-PT | AS-PD | AS-RH | AS-RU | AS-IR | AS-AU |
|---|---|---|---|---|---|---|---|---|---|---|---|
| WBC56 | N | <10 | N | N | -- | N | .020 | N | N | N | N |
| WBC57 | N | <10 | N | N | -- | N | N | N | N | N | N |
| WBC58 | N | 15 | N | N | -- | N | N | N | N | N | N |
| WBC59 | N | 15 | N | 10 | -- | N | .002 | N | N | N | .003 |
| WBC60 | N | 10 | N | 10 | -- | N | .007 | N | N | N | .002 |
| WBC61 | N | N | N | N | -- | N | .005 | N | N | N | .002 |
| WBC62 | N | <10 | N | N | -- | .020 | .020 | N | N | N | .007 |
| WBC63 | N | N | <200 | <10 | -- | .020 | .100 | N | N | N | .002 |
| WTC64 | N | <10 | N | N | -- | .010 | .150 | N | N | N | .010 |
| WTC65 | N | N | N | N | -- | .070 | .150 | N | N | N | .010 |
| WCC66 | N | N | N | N | -- | .050 | .150 | N | N | N | .010 |
| WMR68 | N | 15 | N | 20 | -- | N | .005 | N | N | N | .001 |
| WMR69 | N | N | N | N | -- | N | .005 | N | N | N | N |
| WMR70 | N | N | N | N | -- | N | .005 | N | N | N | .150 |
| WMR71 | N | N | N | N | -- | .020 | .150 | N | N | N | .003 |
| WMR72 | N | N | N | N | -- | .030 | .150 | N | N | N | .010 |
| WMR73 | N | 20 | N | 50 | -- | N | .007 | N | N | N | N |
| WMR74 | N | 30 | N | 150 | -- | N | .005 | N | N | N | N |
| WMR75 | N | 15 | N | 20 | -- | N | .001 | N | N | N | N |
| WCR76 | N | 10 | N | 10 | -- | N | .010 | N | N | N | N |
| WCR77 | N | 15 | N | 15 | -- | N | .010 | N | N | N | .001 |
| WCR78 | N | 10 | N | 10 | -- | N | .001 | N | N | N | N |
| WMR67 | N | N | N | N | -- | N | .007 | N | N | N | .003 |
| WTC37A | N | 15 | N | 10 | -- | N | .003 | N | N | N | N |
| 76KP002 | N | -- | N | -- | <.02 | .040 | .007 | N | N | N | .005 |
| 76KP003 | N | -- | N | -- | .06 | N | N | N | N | N | N |
| 76KP004 | N | -- | N | -- | N | .040 | .010 | N | N | N | N |
| 76KP008 | N | -- | N | -- | N | .030 | .010 | N | N | N | N |
| 76KP009 | N | -- | N | -- | .04 | .015 | .006 | N | N | N | .004 |
| 76KP010 | N | -- | N | -- | <.02 | N | .002 | N | N | N | N |
| 76KP012 | N | -- | N | -- | N | .040 | .010 | N | N | N | N |
| 76KP013 | N | -- | N | -- | .02 | .010 | .006 | N | N | N | N |
| 76KP017 | N | -- | N | -- | <.02 | .010 | .010 | N | N | N | N |
| 76KP019 | N | -- | N | -- | N | N | N | N | N | N | N |
| 76KP023 | N | -- | N | -- | N | N | .004 | N | N | N | N |
| 76KP024 | N | -- | N | -- | .02 | .010 | .002 | N | N | N | N |
| 76KP027 | N | -- | N | -- | .02 | .010 | .006 | N | N | N | N |
| 76KP043 | N | -- | N | -- | N | N | .002 | N | N | N | .001 |
| 76KP045 | N | -- | N | -- | <.02 | .030 | .006 | N | N | N | .002 |
| 76KP050 | N | -- | N | -- | <.02 | N | .010 | N | N | N | <.001 |
| 76KP051 | N | -- | N | -- | .04 | N | .003 | N | N | N | .002 |
| 76KP053 | N | -- | N | -- | .04 | N | .006 | N | N | N | N |
| 76KP059 | N | -- | N | -- | .06 | .100 | .200 | N | N | N | .050 |
| 76KP063 | N | -- | N | -- | .02 | N | <.001 | N | N | N | N |
| 76KP065 | N | -- | N | -- | .08 | .070 | .200 | N | N | N | .020 |

Kalmiopsis Rock Analyses--continued

| Sample | X-COORD. | Y-COORD. | S-FE% | S-MG% | S-CA% | S-TI% | S-MN | S-AG | S-AS | S-AU | S-B | S-BA | S-BE | S-BI |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 76KP066 | 426,453 | 4,671,640 | 15.0 | 5.0 | 10.00 | -- | 5,000 | N | N | N | 30 | 70 | N | N |
| 76KP074 | 428,526 | 4,671,040 | 10.0 | 10.0 | 1.50 | -- | 1,500 | N | N | N | 30 | 20 | N | N |
| 76KP085 | 424,389 | 4,670,350 | 10.0 | 10.0 | .20 | -- | 1,000 | N | N | N | 100 | <20 | N | N |
| 76KP096 | 425,059 | 4,671,870 | 15.0 | 3.0 | 3.00 | -- | 2,000 | N | N | N | 70 | 100 | N | N |
| 76KP100 | 425,377 | 4,673,500 | 10.0 | 5.0 | 10.00 | -- | 2,000 | N | N | N | N | 20 | N | N |
| 76KP106 | 424,162 | 4,671,380 | 10.0 | 5.0 | 10.00 | -- | 1,500 | N | N | N | N | 70 | N | N |
| 76KP115 | 420,050 | 4,669,900 | 10.0 | 10.0 | .30 | -- | 1,500 | N | N | N | N | <20 | N | N |
| 76KP118 | 423,602 | 4,669,760 | 10.0 | 10.0 | 1.50 | -- | 1,500 | N | N | N | N | <20 | N | N |
| 76KP120 | 422,866 | 4,669,060 | 15.0 | 10.0 | .30 | -- | 1,500 | N | N | N | N | <20 | N | N |
| 76KP121 | 422,552 | 4,668,860 | 10.0 | 10.0 | .50 | -- | 1,500 | N | N | N | 20 | <20 | N | N |
| 76KP122 | 422,198 | 4,667,860 | 10.0 | 10.0 | 1.00 | -- | 1,500 | N | N | N | N | <20 | N | N |
| 76KP131 | 433,133 | 4,676,210 | 10.0 | 5.0 | 7.00 | -- | 1,500 | N | N | N | N | 100 | N | N |
| 76KP137 | 432,009 | 4,676,060 | 5.0 | 5.0 | .70 | -- | 500 | N | N | N | N | N | N | N |
| 76KP144 | 431,928 | 4,680,000 | 15.0 | 7.0 | 1.00 | -- | 700 | N | N | N | 20 | 20 | N | N |
| 76KP145 | 432,023 | 4,679,740 | 20.0 | .7 | .50 | -- | 500 | N | N | N | 20 | 30 | N | N |
| 76KP151 | 432,855 | 4,678,900 | 10.0 | 10.0 | .20 | -- | 1,000 | N | N | N | <20 | <20 | N | N |
| 76KP154 | 433,329 | 4,676,720 | 7.0 | 10.0 | <.05 | -- | 700 | N | N | N | 20 | 20 | N | N |
| 76KP155 | 433,949 | 4,676,280 | 10.0 | 5.0 | 5.00 | -- | 1,500 | N | N | N | N | 100 | N | N |
| 76KP157 | 425,681 | 4,678,950 | 10.0 | 5.0 | 10.00 | -- | 2,000 | N | N | N | 30 | 200 | N | N |
| 76KP158 | 424,800 | 4,679,650 | 7.0 | 2.0 | .70 | -- | 1,500 | N | N | N | 20 | 300 | N | N |
| 76KP159 | 424,800 | 4,679,650 | 7.0 | 1.5 | 5.00 | -- | 1,500 | N | N | N | N | 150 | N | N |
| 76KP166 | 426,338 | 4,684,930 | 15.0 | 3.0 | 5.00 | -- | 2,000 | N | N | N | <20 | 70 | N | N |
| 76KP170 | 427,240 | 4,684,720 | 15.0 | 5.0 | 7.00 | -- | 2,000 | N | N | N | N | 70 | N | N |
| 76KP175 | 422,495 | 4,672,660 | 10.0 | 7.0 | 10.00 | -- | 3,000 | N | N | N | 50 | 30 | N | N |
| 76KP176 | 422,495 | 4,672,660 | 10.0 | 5.0 | 10.00 | -- | 2,000 | N | N | N | N | 20 | N | N |
| 76KP177 | 423,944 | 4,674,270 | 10.0 | 10.0 | 1.50 | -- | 2,000 | N | N | N | 100 | 20 | N | N |
| 76KP178 | 423,851 | 4,674,130 | 15.0 | 7.0 | 10.00 | -- | 1,500 | N | N | N | N | 20 | N | N |
| 76KP179 | 423,851 | 4,674,130 | 20.0 | 7.0 | 1.50 | -- | 1,500 | N | N | N | 50 | 30 | N | N |
| 76KP188 | 420,473 | 4,682,250 | 1.5 | .7 | .30 | -- | 5,000 | N | N | N | N | 200 | N | N |
| 76KP189 | 420,473 | 4,682,250 | 10.0 | 2.0 | 1.50 | -- | 1,000 | N | N | N | 70 | 1,500 | N | N |
| 76KP194 | 424,729 | 4,675,340 | 10.0 | 7.0 | 10.00 | -- | 1,500 | N | N | N | N | 30 | N | N |
| 76KP196 | 424,729 | 4,675,340 | 10.0 | 5.0 | 10.00 | -- | 3,000 | N | N | N | N | 30 | N | N |
| 76KP283 | 419,237 | 4,673,570 | 15.0 | 10.0 | 1.50 | -- | 2,000 | N | N | N | 30 | 20 | N | N |
| 76KP287 | 419,007 | 4,675,280 | 10.0 | 3.0 | 5.00 | -- | 2,000 | N | N | N | <20 | 100 | N | N |
| 76KP298 | 422,584 | 4,677,020 | 15.0 | 3.0 | 10.00 | -- | 2,000 | N | N | N | N | 70 | N | N |
| 76KT003 | 421,213 | 4,669,040 | 10.0 | 10.0 | 1.50 | -- | 2,000 | N | N | N | N | 20 | N | N |
| 76KT014 | 423,627 | 4,631,200 | 15.0 | 5.0 | 7.00 | -- | 3,000 | N | N | N | 20 | 50 | N | N |
| 76KT062 | 420,605 | 4,674,720 | 15.0 | 2.0 | 10.00 | -- | 1,000 | N | N | N | 30 | 50 | N | N |
| 76KT071 | 430,389 | 4,681,260 | 10.0 | 10.0 | .20 | -- | 1,000 | N | N | N | N | 20 | N | N |
| 76KT074 | 429,088 | 4,681,340 | 10.0 | 10.0 | .30 | -- | 1,000 | N | N | N | N | <20 | N | N |
| 76KT077 | 428,166 | 4,681,240 | 15.0 | 5.0 | 7.00 | -- | 3,000 | N | N | N | N | 150 | N | N |
| 76KS002 | 428,205 | 4,664,790 | 10.0 | 10.0 | .20 | -- | 1,500 | N | N | N | 50 | <20 | N | N |
| 76KS005 | 426,400 | 4,664,330 | 10.0 | 5.0 | 5.00 | -- | 1,500 | N | N | N | N | 700 | N | N |
| 76KS008 | 426,971 | 4,666,030 | 3.0 | 1.5 | 5.00 | -- | 1,500 | N | N | N | N | 100 | N | N |
| 76KS012 | 427,931 | 4,664,110 | 5.0 | 7.0 | .50 | -- | 700 | N | N | N | N | <20 | N | N |

Kalmiopsis Rock Analyses--continued

| Sample | S-CD | S-CO | S-CR | S-CU | S-LA | S-MO | S-NB | S-NI | S-PB | S-SB | S-SC | S-SN | S-SR | S-V |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 76KP066 | N | 150 | 70 | 150 | -- | N | -- | 50 | N | N | -- | N | -- | 1,000 |
| 76KP074 | N | 300 | 5,000 | 70 | -- | N | -- | 5,000 | N | N | -- | N | -- | 70 |
| 76KP085 | N | 200 | 2,000 | 20 | -- | N | -- | 5,000 | N | N | -- | N | -- | 30 |
| 76KP096 | N | 100 | 100 | 50 | -- | N | -- | 50 | N | N | -- | N | -- | 500 |
| 76KP100 | N | 100 | 1,000 | 30 | -- | N | -- | 100 | N | N | -- | N | -- | 300 |
| 76KP106 | N | 100 | 1,000 | 30 | -- | N | -- | 200 | N | N | -- | N | -- | 150 |
| 76KP115 | N | 300 | 3,000 | N | -- | 7 | -- | 5,000 | N | N | -- | N | -- | 10 |
| 76KP118 | N | 300 | >5,000 | 30 | -- | N | -- | 5,000 | N | N | -- | N | -- | 70 |
| 76KP120 | N | 500 | 2,000 | 5 | -- | N | -- | 5,000 | N | N | -- | N | -- | 10 |
| 76KP121 | N | 300 | 5,000 | 7 | -- | N | -- | 5,000 | N | N | -- | N | -- | 30 |
| 76KP122 | N | 500 | >5,000 | 30 | -- | N | -- | 5,000 | N | N | -- | N | -- | 50 |
| 76KP131 | N | 150 | 100 | 15 | -- | N | -- | 200 | N | N | -- | N | -- | 300 |
| 76KP137 | N | 100 | 2,000 | 50 | -- | N | -- | 2,000 | N | N | -- | N | -- | 50 |
| 76KP144 | N | 200 | >5,000 | 15 | -- | N | -- | 3,000 | N | N | -- | N | -- | 150 |
| 76KP145 | N | 15 | 700 | 200 | -- | N | -- | 70 | N | N | -- | N | -- | 300 |
| 76KP151 | N | 150 | 5,000 | 20 | -- | N | -- | 5,000 | N | N | -- | N | -- | 50 |
| 76KP154 | N | 200 | 5,000 | 20 | -- | N | -- | 5,000 | N | N | -- | N | -- | 50 |
| 76KP155 | N | 100 | 200 | 150 | -- | N | -- | 150 | N | N | -- | N | -- | 500 |
| 76KP157 | N | 100 | 300 | 100 | -- | N | -- | 150 | N | N | -- | N | -- | 1,000 |
| 76KP158 | N | 70 | 200 | 50 | -- | N | -- | 100 | 20 | N | -- | N | -- | 200 |
| 76KP159 | N | 20 | N | 10 | -- | N | -- | 15 | N | N | -- | N | -- | 150 |
| 76KP166 | N | 100 | 100 | 1,500 | -- | N | -- | 70 | N | N | -- | N | -- | 500 |
| 76KP170 | N | 100 | 50 | 150 | -- | N | -- | 20 | N | N | -- | N | -- | 700 |
| 76KP175 | N | 150 | 300 | 70 | -- | N | -- | 150 | N | N | -- | N | -- | 300 |
| 76KP176 | N | 100 | N | 70 | -- | N | -- | 20 | N | N | -- | N | -- | 1,000 |
| 76KP177 | N | 200 | 5,000 | 20 | -- | N | -- | 2,000 | N | N | -- | N | -- | 200 |
| 76KP178 | N | 200 | 200 | 70 | -- | N | -- | 200 | N | N | -- | N | -- | 1,000 |
| 76KP179 | N | 500 | 1,000 | 50 | -- | N | -- | 500 | N | N | -- | N | -- | 1,500 |
| 76KP188 | N | 70 | N | 50 | -- | N | -- | 100 | N | N | -- | N | -- | 70 |
| 76KP189 | N | 70 | 200 | 50 | -- | N | -- | 100 | 30 | N | -- | N | -- | 300 |
| 76KP194 | N | 100 | 500 | 50 | -- | N | -- | 150 | N | N | -- | N | -- | 200 |
| 76KP196 | N | 100 | N | 500 | -- | N | -- | 20 | 100 | N | -- | N | -- | 500 |
| 76KP283 | N | 200 | 5,000 | 10 | -- | N | -- | 1,500 | N | N | -- | N | -- | 20 |
| 76KP297 | N | 100 | 70 | 200 | -- | N | -- | 50 | N | N | -- | N | -- | 500 |
| 76KP298 | N | 70 | N | 20 | -- | N | -- | 5 | N | N | -- | N | -- | 500 |
| 76KT003 | N | 200 | 5,000 | 10 | -- | N | -- | 5,000 | N | N | -- | N | -- | 50 |
| 76KT014 | N | 100 | 300 | 150 | -- | N | -- | 100 | N | N | -- | N | -- | 300 |
| 76KT062 | N | 500 | N | 2,000 | -- | N | -- | 70 | N | N | -- | N | -- | 700 |
| 76KT071 | N | 300 | 5,000 | 10 | -- | N | -- | 5,000 | N | N | -- | N | -- | 20 |
| 76KT074 | N | 300 | 5,000 | 20 | -- | N | -- | 5,000 | N | N | -- | N | -- | 30 |
| 76KT077 | N | 100 | 70 | 200 | -- | N | -- | 50 | N | N | -- | N | -- | 700 |
| 76KS002 | N | 300 | 5,000 | 7 | -- | N | -- | 5,000 | N | N | -- | N | -- | 50 |
| 76KS005 | N | 50 | 150 | 100 | -- | N | -- | 150 | N | N | -- | N | -- | 300 |
| 76KS008 | N | 5 | N | 30 | -- | N | -- | 15 | N | N | -- | N | -- | 70 |
| 76KS012 | N | 100 | 3,000 | 15 | -- | N | -- | 2,000 | N | N | -- | N | -- | 70 |

Kalmiopsis Rock Analyses--continued

| Sample | S-W | S-Y | S-ZN | S-ZR | INST-HG | AS-PT | AS-PD | AS-RH | AS-RU | AS-IR | AS-AU |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 76KP066 | N | -- | N | -- | <.02 | N | .002 | N | N | N | <.001 |
| 76KP074 | N | -- | N | -- | .04 | .030 | .006 | .004 | N | N | N |
| 76KP085 | N | -- | N | -- | .02 | .020 | .004 | .004 | N | N | N |
| 76KP096 | N | -- | N | -- | <.02 | N | N | N | N | N | N |
| 76KP100 | N | -- | N | -- | N | N | .005 | N | N | N | N |
| 76KP106 | N | -- | N | -- | <.02 | .020 | .030 | N | N | N | N |
| 76KP115 | N | -- | N | -- | <.02 | N | .002 | N | N | N | N |
| 76KP118 | N | -- | N | -- | <.02 | .040 | .006 | N | N | N | N |
| 76KP120 | N | -- | N | -- | <.02 | .015 | <.002 | N | N | N | N |
| 76KP121 | N | -- | N | -- | <.02 | .040 | .006 | .004 | N | N | <.002 |
| 76KP122 | N | -- | N | -- | N | .040 | .006 | .004 | N | N | <.002 |
| 76KP131 | N | -- | N | -- | N | N | N | N | N | N | N |
| 76KP137 | N | -- | N | -- | <.02 | .020 | .005 | N | N | N | N |
| 76KP144 | N | -- | N | -- | <.02 | N | .004 | N | N | N | <.002 |
| 76KP145 | N | -- | N | -- | N | N | .010 | N | N | N | .070 |
| 76KP151 | N | -- | N | -- | <.02 | .020 | .006 | .004 | N | N | N |
| 76KP154 | N | -- | N | -- | N | .020 | .004 | N | N | N | N |
| 76KP155 | N | -- | N | -- | .02 | N | N | N | N | N | N |
| 76KP157 | N | -- | N | -- | N | N | .010 | N | N | N | .001 |
| 76KP158 | N | -- | N | -- | .04 | N | N | N | N | N | N |
| 76KP159 | N | -- | N | -- | <.02 | N | N | N | N | N | N |
| 76KP166 | N | -- | N | -- | .26 | .010 | .020 | N | N | N | .030 |
| 76KP170 | N | -- | N | -- | <.02 | N | N | N | N | N | .001 |
| 76KP175 | N | -- | N | -- | .04 | N | N | N | N | N | N |
| 76KP176 | N | -- | N | -- | <.02 | N | N | N | N | N | N |
| 76KP177 | N | -- | N | -- | .04 | N | N | N | N | N | N |
| 76KP178 | N | -- | 700 | -- | <.02 | .010 | .020 | N | N | N | N |
| 76KP179 | N | -- | 2,000 | -- | .02 | .020 | .030 | N | N | N | N |
| 76KP188 | N | -- | N | -- | N | N | .003 | N | N | N | N |
| 76KP189 | N | -- | N | -- | <.02 | N | .001 | N | N | N | .001 |
| 76KP194 | N | -- | N | -- | .02 | N | .001 | N | N | N | N |
| 76KP196 | N | -- | N | -- | .04 | .010 | .003 | N | N | N | .003 |
| 76KP283 | N | -- | N | -- | .06 | .030 | N | N | N | N | N |
| 76KP287 | N | -- | N | -- | N | N | .002 | N | N | N | .001 |
| 76KP298 | N | -- | N | -- | N | N | N | N | N | N | N |
| 76KT003 | N | -- | N | -- | <.02 | .020 | .006 | N | N | N | .002 |
| 76KT014 | N | -- | N | -- | N | N | .002 | N | N | N | .005 |
| 76KT062 | N | -- | N | -- | .02 | N | N | N | N | N | .030 |
| 76KT071 | N | -- | N | -- | .04 | N | N | N | N | N | N |
| 76KT074 | N | -- | N | -- | N | .015 | .006 | N | N | N | N |
| 76KT077 | N | -- | N | -- | .08 | N | .002 | N | N | N | .005 |
| 76KS002 | N | -- | N | -- | .02 | .040 | N | .004 | N | N | N |
| 76KS005 | N | -- | N | -- | 1.50 | N | N | N | N | N | .002 |
| 76KS008 | N | -- | N | -- | .04 | N | N | N | N | N | N |
| 76KS012 | N | -- | N | -- | .10 | .015 | .003 | N | N | N | N |

Kalmiopsis Rock Analyses--continued

| Sample | X-COORD. | Y-COORD. | S-FE% | S-MG% | S-CA% | S-TI% | S-MN | S-AG | S-AS | S-AU | S-B | S-BA | S-BE | S-BI |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 76KSC14 | 427,480 | 4,663,710 | 10.0 | 10.0 | 1.00 | -- | 700 | N | N | N | N | <20 | N | N |
| 76KS029 | 432,645 | 4,670,970 | 5.0 | 5.0 | 7.00 | -- | 1,000 | N | N | N | N | 50 | N | N |
| 76KS030 | 432,774 | 4,671,060 | 10.0 | 7.0 | 7.00 | -- | 1,500 | N | N | N | N | 30 | N | N |
| 76KS037 | 432,519 | 4,668,300 | 10.0 | 10.0 | 1.00 | -- | 1,000 | N | N | N | 100 | <20 | N | N |
| 76KS040 | 432,060 | 4,667,120 | 10.0 | 10.0 | 1.00 | -- | 1,000 | N | N | N | N | <20 | N | N |
| 76KS058 | 431,240 | 4,673,310 | 10.0 | 10.0 | 1.50 | -- | 1,500 | N | N | N | 20 | <20 | N | N |
| 76KS059 | 427,280 | 4,675,040 | 10.0 | 10.0 | .15 | -- | 700 | N | N | N | 20 | <20 | N | N |
| 76KS063 | 427,300 | 4,674,950 | 10.0 | 5.0 | 10.00 | -- | 2,000 | N | N | N | 30 | 100 | N | N |
| 76KS080 | 422,021 | 4,669,940 | 10.0 | 10.0 | .70 | -- | 1,000 | N | N | N | N | <20 | N | N |
| 76KS082 | 421,641 | 4,670,870 | 15.0 | 10.0 | 1.50 | -- | 1,500 | N | N | N | N | <20 | N | N |
| 76KS083 | 421,626 | 4,671,510 | 10.0 | 10.0 | 1.00 | -- | 1,000 | N | N | N | N | <20 | N | N |
| 76KS101 | 430,757 | 4,681,820 | 10.0 | 7.0 | .20 | -- | 700 | N | N | N | N | <20 | N | N |
| 76KS104 | 430,974 | 4,682,590 | 7.0 | 7.0 | .10 | -- | 700 | N | N | N | N | <20 | N | N |
| 76KS105 | 430,609 | 4,682,870 | 10.0 | 7.0 | .30 | -- | 700 | N | N | N | N | <20 | N | N |
| 76KS106 | 430,298 | 4,683,120 | 10.0 | 7.0 | .50 | -- | 700 | N | N | N | N | <20 | N | N |
| 76KS108 | 430,500 | 4,684,900 | 7.0 | 7.0 | .50 | -- | 700 | N | N | N | N | <20 | N | N |
| 76KS110 | 425,022 | 4,679,630 | 10.0 | 2.0 | 5.00 | -- | 2,000 | N | N | N | N | 50 | N | N |
| 76KS111 | 425,976 | 4,679,090 | 10.0 | 3.0 | 7.00 | -- | 700 | N | N | N | N | 100 | N | N |
| 76KS118 | 423,722 | 4,680,100 | 10.0 | 2.0 | 7.00 | -- | 2,000 | N | N | N | 30 | 70 | N | N |
| 76KG013 | 424,351 | 4,664,690 | 7.0 | 7.0 | .10 | -- | 700 | N | N | N | 30 | <20 | N | N |
| 76KG014 | 424,300 | 4,664,450 | 7.0 | 10.0 | .50 | -- | 1,000 | N | N | N | <20 | <20 | N | N |
| 76KG019 | 423,435 | 4,666,730 | 10.0 | 7.0 | .50 | -- | 700 | N | N | N | N | <20 | N | N |
| 76KG024 | 424,618 | 4,666,630 | 10.0 | 10.0 | 1.00 | -- | 700 | N | N | N | N | <20 | N | N |
| 76KG065 | 425,293 | 4,683,970 | 10.0 | 2.0 | 5.00 | -- | 2,000 | N | N | N | N | 30 | N | N |
| 76KG067 | 424,920 | 4,684,350 | 10.0 | 3.0 | 7.00 | -- | 1,500 | N | N | N | N | 20 | N | N |
| 76KG075 | 423,750 | 4,679,490 | 5.0 | 1.5 | 2.00 | -- | 1,000 | N | N | N | N | 70 | N | N |
| 76KG118 | 424,383 | 4,684,650 | 7.0 | 3.0 | 7.00 | -- | 1,500 | N | N | N | N | 20 | N | N |
| 76KG122 | 424,030 | 4,685,400 | 7.0 | 7.0 | 5.00 | -- | 1,500 | N | N | N | N | N | N | N |
| 76KG123 | 424,030 | 4,685,400 | 7.0 | 5.0 | 7.00 | -- | 1,000 | N | N | N | N | 70 | N | N |
| 76KG126 | 422,493 | 4,685,120 | 5.0 | 1.5 | 2.00 | -- | 1,500 | N | N | N | N | 150 | N | N |
| 76KG131 | 425,040 | 4,684,250 | 10.0 | 2.0 | 5.00 | -- | 1,500 | N | N | N | N | 50 | N | N |
| 76KG133 | 425,040 | 4,684,250 | 10.0 | 7.0 | 2.00 | -- | 1,500 | N | N | N | 20 | 50 | N | N |
| 76KG134 | 425,040 | 4,684,250 | 7.0 | 7.0 | 7.00 | -- | 1,500 | N | N | N | N | 20 | N | N |
| 76KG136 | 425,040 | 4,684,250 | 7.0 | 7.0 | 7.00 | -- | 1,500 | N | N | N | N | 30 | N | N |
| 76KG138 | 425,040 | 4,684,250 | 7.0 | 3.0 | 1.00 | -- | 1,500 | N | N | N | N | 70 | N | N |
| 76KG142 | 423,946 | 4,684,010 | 7.0 | 2.0 | 3.00 | -- | 2,000 | N | N | N | N | 100 | N | N |
| 76KG143 | 423,946 | 4,684,010 | 10.0 | 3.0 | 5.00 | -- | 1,500 | N | N | N | N | 20 | N | N |
| 76KG145 | 423,886 | 4,683,900 | 7.0 | 3.0 | 3.00 | -- | 1,500 | N | N | N | N | 50 | N | N |
| 76KG147 | 423,886 | 4,683,900 | 20.0 | .7 | .50 | -- | 300 | .7 | N | N | N | 30 | N | N |
| 76KG149 | 420,461 | 4,676,630 | 10.0 | 3.0 | 5.00 | -- | 1,000 | N | N | N | <20 | 100 | N | N |
| 76CPC02 | 436,650 | 4,663,250 | 10.0 | 10.0 | .50 | -- | 700 | 1.5 | N | N | N | N | N | N |
| 76CPC03 | 436,650 | 4,663,250 | 7.0 | 10.0 | .30 | -- | 500 | N | N | N | N | N | N | N |
| 76CP006 | 433,200 | 4,654,500 | 10.0 | 7.0 | .05 | -- | 500 | N | N | N | N | <20 | N | N |
| 76KP006 | 426,500 | 4,667,300 | 5.0 | 10.0 | 1.50 | -- | 1,000 | N | N | N | N | <20 | N | N |
| 76KP025 | 432,394 | 4,660,470 | 10.0 | 10.0 | .15 | -- | 700 | N | N | N | N | <20 | N | N |

Kalmiopsis Rock Analyses--continued

| Sample | S-CD | S-CO | S-CR | S-CU | S-LA | S-MO | S-NB | S-NI | S-PB | S-SB | S-SC | S-SN | S-SR | S-V |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 76KS014 | N | 200 | >5,000 | N | -- | N | -- | 5,000 | N | N | -- | N | -- | 70 |
| 76KS029 | N | 50 | 200 | 20 | -- | N | -- | 200 | N | N | -- | N | -- | 300 |
| 76KS030 | N | 100 | 700 | 150 | -- | N | -- | 200 | N | N | -- | N | -- | 500 |
| 76KS037 | N | 200 | >5,000 | 100 | -- | N | -- | 5,000 | N | N | -- | N | -- | 70 |
| 76KS040 | N | 200 | 5,000 | 5 | -- | N | -- | 3,000 | N | N | -- | N | -- | 50 |
| 76KS058 | N | 200 | 5,000 | 30 | -- | N | -- | 5,000 | N | N | -- | N | -- | 70 |
| 76KS059 | N | 200 | 5,000 | 500 | -- | N | -- | 5,000 | N | N | -- | N | -- | 50 |
| 76KS063 | N | 100 | 150 | 200 | -- | N | -- | 50 | N | N | -- | N | -- | 700 |
| 76KS080 | N | 200 | 5,000 | 30 | -- | N | -- | 5,000 | N | N | -- | N | -- | 70 |
| 76KS082 | N | 200 | >5,000 | 30 | -- | N | -- | 5,000 | N | N | -- | N | -- | 100 |
| 76KS083 | N | 200 | >5,000 | 7 | -- | N | -- | 5,000 | N | N | -- | N | -- | 50 |
| 76KS101 | N | 150 | 300 | 30 | -- | N | -- | 3,000 | N | N | -- | N | -- | 50 |
| 76KS104 | N | 150 | 3,000 | 20 | -- | N | -- | 3,000 | N | N | -- | N | -- | 30 |
| 76KS105 | N | 200 | 3,000 | 20 | -- | N | -- | 3,000 | N | N | -- | N | -- | 50 |
| 76KS106 | N | 150 | 3,000 | 10 | -- | N | -- | 3,000 | N | N | -- | N | -- | 50 |
| 76KS108 | N | 150 | 5,000 | 7 | -- | N | -- | 5,000 | N | N | -- | N | -- | 50 |
| 76KS110 | N | 70 | 50 | 50 | -- | N | -- | 50 | N | N | -- | N | -- | 500 |
| 76KS111 | N | 100 | 150 | 20 | -- | N | -- | 150 | N | N | -- | N | -- | 500 |
| 76KS118 | N | 50 | N | 70 | -- | N | -- | 10 | N | N | -- | N | -- | 500 |
| 76KG013 | N | 150 | 5,000 | 7 | -- | N | -- | 3,000 | N | N | -- | N | -- | 70 |
| 76KG014 | N | 200 | 3,000 | 50 | -- | N | -- | 5,000 | N | N | -- | N | -- | 50 |
| 76KG019 | N | 200 | 3,000 | 15 | -- | N | -- | 5,000 | N | N | -- | N | -- | 70 |
| 76KG024 | N | 150 | 5,000 | 30 | -- | N | -- | 5,000 | N | N | -- | N | -- | 100 |
| 76KG065 | N | 100 | 200 | 150 | -- | N | -- | 50 | N | N | -- | N | -- | 500 |
| 76KG067 | N | 100 | 1,500 | 50 | -- | N | -- | 200 | N | N | -- | N | -- | 300 |
| 76KG075 | N | 30 | N | 10 | -- | 7 | -- | 15 | N | N | -- | N | -- | 150 |
| 76KG118 | N | 50 | 70 | 20 | -- | N | -- | 30 | N | N | -- | N | -- | 700 |
| 76KG122 | N | 150 | 1,500 | 30 | -- | N | -- | 300 | N | N | -- | N | -- | 150 |
| 76KG123 | N | 150 | 200 | 50 | -- | N | -- | 70 | N | N | -- | N | -- | 100 |
| 76KG126 | N | 30 | N | N | -- | N | -- | 5 | N | N | -- | N | -- | 150 |
| 76KG131 | N | 1,000 | 50 | 150 | -- | N | -- | 30 | N | N | -- | N | -- | 500 |
| 76KG133 | N | 300 | 300 | 50 | -- | N | -- | 300 | N | N | -- | N | -- | 300 |
| 76KG134 | N | 150 | 1,000 | 50 | -- | N | -- | 150 | N | N | -- | N | -- | 300 |
| 76KG136 | N | 100 | 1,500 | 50 | -- | N | -- | 150 | N | N | -- | N | -- | 200 |
| 76KG138 | N | 50 | 200 | 150 | -- | N | -- | 100 | N | N | -- | N | -- | 300 |
| 76KG142 | N | 30 | N | 50 | -- | N | -- | 5 | N | N | -- | N | -- | 200 |
| 76KG143 | N | 50 | N | 100 | -- | N | -- | 7 | N | N | -- | N | -- | 700 |
| 76KG145 | N | 70 | 100 | 70 | -- | N | -- | 50 | N | N | -- | N | -- | 500 |
| 76KG147 | N | 15 | 70 | 1,500 | -- | N | -- | 30 | N | N | -- | N | -- | 200 |
| 76KG149 | N | 100 | 100 | 100 | -- | N | -- | 50 | N | N | -- | N | -- | 700 |
| 76CP002 | N | 200 | 3,000 | 5 | -- | N | -- | 5,000 | N | N | -- | N | -- | 50 |
| 76CP003 | N | 150 | 5,000 | N | -- | N | -- | 3,000 | N | N | -- | N | -- | 20 |
| 76CP006 | N | 1,500 | >5,000 | 5 | -- | N | -- | 2,000 | N | N | -- | N | -- | 150 |
| 76KP006 | N | 150 | 3,000 | 10 | -- | N | -- | 2,000 | N | N | -- | N | -- | 30 |
| 76KP025 | N | 200 | >5,000 | <5 | -- | N | -- | 5,000 | N | N | -- | N | -- | 30 |

Kalmiopsis Rock Analyses--continued

| Sample | S-W | S-Y | S-ZN | S-ZR | INST-HG | AS-PT | AS-PD | AS-RH | AS-RU | AS-IR | AS-AU |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 76KS014 | N | -- | N | -- | .04 | .010 | N | N | N | N | N |
| 76KS029 | N | -- | N | -- | .02 | N | .010 | N | N | N | N |
| 76KS030 | N | -- | N | -- | .02 | N | .005 | N | N | N | N |
| 76KS037 | N | -- | N | -- | .02 | .020 | .004 | .004 | N | N | N |
| 76KSC40 | N | -- | N | -- | .04 | .040 | .010 | .004 | N | N | N |
| 76KS058 | N | -- | N | -- | <.02 | N | N | N | N | N | <.002 |
| 76KS059 | N | -- | N | -- | .02 | .030 | .002 | N | N | N | .002 |
| 76KS063 | N | -- | N | -- | .02 | .020 | .003 | .003 | N | N | .001 |
| 76KS080 | N | -- | N | -- | N | .040 | .010 | .004 | N | N | <.002 |
| 76KS082 | N | -- | N | -- | N | .060 | .020 | .006 | N | N | .002 |
| 76KS083 | N | -- | N | -- | N | .040 | .010 | .004 | N | N | .006 |
| 76KS101 | N | -- | N | -- | N | .015 | .003 | .002 | N | N | <.001 |
| 76KS104 | N | -- | N | -- | N | N | .002 | N | N | N | N |
| 76KS105 | N | -- | N | -- | N | .020 | .010 | .005 | N | N | <.001 |
| 76KS106 | N | -- | N | -- | N | .020 | .010 | .005 | N | N | N |
| 76KS108 | N | -- | N | -- | N | N | .004 | N | N | N | .004 |
| 76KS110 | N | -- | N | -- | N | N | N | N | N | N | <.001 |
| 76KS111 | N | -- | N | -- | .02 | N | N | N | N | N | N |
| 76KS118 | N | -- | N | -- | N | N | N | N | N | N | N |
| 76KG013 | N | -- | N | -- | N | .040 | .006 | N | N | N | N |
| 76KGC14 | N | -- | N | -- | N | .040 | .010 | .004 | N | N | .006 |
| 76KG019 | N | -- | N | -- | N | N | .004 | N | N | N | .020 |
| 76KG024 | N | -- | N | -- | .02 | .040 | .010 | .004 | N | N | N |
| 76KG065 | N | -- | N | -- | N | .005 | .050 | N | N | N | .003 |
| 76KG067 | N | -- | N | -- | N | .020 | .070 | N | N | N | N |
| 76KG075 | <50 | -- | N | -- | N | N | .010 | N | N | N | .001 |
| 76KG118 | N | -- | N | -- | N | N | .003 | N | N | N | .001 |
| 76KG122 | N | -- | N | -- | .02 | .030 | .070 | N | N | N | N |
| 76KG123 | N | -- | N | -- | N | N | .001 | N | N | N | .001 |
| 76KG126 | N | -- | N | -- | N | N | N | N | N | N | N |
| 76KG131 | N | -- | N | -- | <.02 | N | .030 | N | N | N | .050 |
| 76KG133 | N | -- | N | -- | N | .015 | .020 | N | N | N | N |
| 76KG134 | N | -- | N | -- | <.02 | .010 | .020 | N | N | N | N |
| 76KG136 | N | -- | N | -- | <.02 | N | .010 | N | N | N | N |
| 76KG138 | N | -- | 700 | -- | N | N | .015 | N | N | N | N |
| 76KG142 | N | -- | N | -- | N | N | N | N | N | N | N |
| 76KG143 | N | -- | N | -- | N | N | N | N | N | N | N |
| 76KG145 | N | -- | N | -- | N | .010 | <.001 | .002 | N | N | .005 |
| 76KG147 | N | -- | N | -- | .70 | .005 | .070 | N | N | N | <.001 |
| 76KG149 | N | -- | N | -- | N | N | .002 | N | N | N | .015 |
| 76CP002 | N | -- | N | -- | N | .010 | .006 | N | N | N | N |
| 76CP003 | N | -- | N | -- | N | .010 | <.002 | N | N | N | N |
| 76CP006 | N | -- | N | -- | N | .030 | .004 | .010 | N | N | N |
| 76KP006 | N | -- | N | -- | N | .020 | .005 | N | N | N | N |
| 76KP025 | N | -- | N | -- | N | .010 | .020 | N | N | N | N |

Kalmiopsis Rock Analyses--continued

| Sample | X-COORD. | Y-COORD. | S-FE% | S-MG% | S-CA% | S-TI% | S-MN | S-AG | S-AS | S-AU | S-B | S-BA | S-BE | S-BI |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 76KT065 | 429,950 | 4,669,200 | 15.0 | 3.0 | 5.00 | -- | 3,000 | N | N | N | 30 | 30 | N | N |
| 764P044A | 430,100 | 4,668,200 | 7.0 | 3.0 | 2.00 | -- | 1,500 | N | N | N | N | 150 | N | N |
| 76KP055 | 427,070 | 4,675,100 | 10.0 | 5.0 | 7.00 | -- | 700 | .7 | N | N | 20 | <20 | N | N |
| 76KP056 | 427,150 | 4,674,950 | 10.0 | 7.0 | 7.00 | -- | 1,000 | N | N | N | 20 | <20 | N | N |
| 76KP057 | 427,150 | 4,674,950 | 10.0 | 7.0 | 10.00 | -- | 1,000 | <.5 | N | N | N | <20 | N | N |
| 76KP061 | 425,936 | 4,673,910 | 15.0 | 1.5 | 7.00 | -- | 2,000 | N | N | N | <20 | 30 | N | N |
| 76KT025 | 427,986 | 4,684,340 | 5.0 | .7 | 3.00 | -- | 700 | N | N | N | N | N | N | N |
| 76KP083 | 424,903 | 4,669,210 | 5.0 | 10.0 | .20 | -- | 300 | N | N | N | N | N | N | N |
| 76KP099 | 425,583 | 4,672,900 | 7.0 | 5.0 | 10.00 | -- | 1,500 | N | N | N | N | <20 | N | N |
| 76KP107 | 424,531 | 4,672,550 | 10.0 | 3.0 | 3.00 | -- | 1,000 | N | N | N | 20 | <20 | N | N |
| 76KP109 | 423,559 | 4,670,540 | 7.0 | 2.0 | 3.00 | -- | 1,500 | N | N | N | 50 | 1,000 | N | N |
| 76KP119 | 423,369 | 4,669,640 | 10.0 | 10.0 | .07 | -- | 1,000 | N | N | N | N | <20 | N | N |
| 76KP130 | 433,300 | 4,676,030 | 10.0 | 7.0 | 5.00 | -- | 1,500 | N | N | N | N | 20 | N | N |
| 76KP133 | 432,840 | 4,676,220 | 7.0 | 1.5 | 1.50 | -- | 1,500 | N | N | N | <20 | 1,500 | N | N |
| 76KP162 | 425,425 | 4,679,630 | 15.0 | 5.0 | 5.00 | -- | 1,000 | N | N | N | N | 20 | N | N |
| 76KP163 | 426,525 | 4,684,240 | 10.0 | 3.0 | 5.00 | -- | 2,000 | N | N | N | N | 70 | N | N |
| 76KP164 | 426,411 | 4,684,590 | 7.0 | 2.0 | 3.00 | -- | 1,000 | N | N | N | N | 30 | N | N |
| 76KP131 | 423,944 | 4,674,270 | 15.0 | 3.0 | 10.00 | -- | 1,000 | N | N | N | 30 | 50 | N | N |
| 76KP187 | 421,420 | 4,681,170 | 10.0 | 1.5 | .30 | -- | 1,500 | N | N | N | 150 | 700 | N | N |
| 76KP197 | 424,874 | 4,675,650 | 10.0 | 3.0 | 7.00 | -- | 1,500 | N | N | N | N | 20 | N | N |
| 76KP212 | 424,948 | 4,676,330 | 10.0 | 2.0 | 10.00 | -- | 2,000 | N | N | N | <20 | 70 | N | N |
| 76KP215 | 425,020 | 4,676,490 | 5.0 | 7.0 | 7.00 | -- | 700 | N | N | N | N | N | N | N |
| 76KP217 | 425,473 | 4,676,880 | 7.0 | 7.0 | 10.00 | -- | 1,000 | N | N | N | N | <20 | N | N |
| 76KP220 | 425,521 | 4,677,830 | 7.0 | 5.0 | 5.00 | -- | 1,000 | N | N | N | N | 20 | N | N |
| 76KP234 | 420,661 | 4,673,840 | 10.0 | 5.0 | 7.00 | -- | 2,000 | N | N | N | N | 50 | N | N |
| 76KP272 | 428,600 | 4,675,900 | 5.0 | 1.5 | .20 | -- | 200 | <.5 | N | N | 70 | 1,000 | N | N |
| 76KP278 | 420,323 | 4,675,630 | 10.0 | 10.0 | 1.50 | -- | 1,000 | N | N | N | 100 | 30 | N | N |
| 76KP280 | 418,962 | 4,672,100 | 7.0 | 7.0 | .10 | -- | 500 | N | N | N | N | <20 | N | N |
| 76KP282 | 418,871 | 4,672,510 | 7.0 | 5.0 | 15.00 | -- | 1,500 | N | N | N | N | 20 | N | N |
| 76KP284 | 419,112 | 4,674,240 | 7.0 | 5.0 | 7.00 | -- | 1,000 | N | N | N | N | 20 | N | N |
| 76KP236 | 419,209 | 4,674,760 | 7.0 | 5.0 | 5.00 | -- | 1,500 | N | N | N | 30 | 70 | N | N |
| 76KP295 | 421,613 | 4,676,060 | 7.0 | 3.0 | 7.00 | -- | 700 | N | N | N | N | 20 | N | N |
| 76KP296 | 421,816 | 4,676,090 | 10.0 | 3.0 | 7.00 | -- | 1,500 | N | N | N | 30 | 50 | N | N |
| 76KG012 | 425,252 | 4,664,850 | 10.0 | 10.0 | .20 | -- | 1,000 | N | N | N | N | <20 | N | N |
| 76KG016 | 423,805 | 4,664,860 | 10.0 | 10.0 | 1.00 | -- | 1,000 | N | N | N | N | <20 | N | N |
| 76KG017 | 423,212 | 4,665,490 | 10.0 | 10.0 | .07 | -- | 700 | N | N | N | N | <20 | N | N |
| 76KG139 | 425,040 | 4,684,250 | 20.0 | 3.0 | 1.50 | -- | 2,000 | N | N | N | N | 70 | N | N |
| 76KG146 | 423,886 | 4,683,900 | 10.0 | 3.0 | 5.00 | -- | 2,000 | N | N | N | N | 30 | N | N |
| 76KS022 | 427,386 | 4,659,170 | 10.0 | 10.0 | 1.00 | -- | 700 | N | N | N | 20 | <20 | N | N |
| 76KS048 | 433,785 | 4,666,620 | 7.0 | 10.0 | .70 | -- | 500 | N | N | N | N | N | N | N |
| 76KS091 | 433,437 | 4,675,940 | 10.0 | 10.0 | .07 | -- | 700 | N | N | N | 30 | <20 | N | N |
| 76KS042 | 432,163 | 4,666,500 | 10.0 | 10.0 | .15 | -- | 700 | N | N | N | N | N | N | N |
| 76KP214 | 425,020 | 4,676,490 | 10.0 | 7.0 | .10 | -- | 1,000 | N | N | N | 30 | N | N | N |
| 76KP242 | 420,946 | 4,672,550 | 5.0 | 5.0 | 10.00 | -- | 1,000 | N | N | N | 70 | N | N | N |
| 76KP252 | 423,011 | 4,675,770 | 7.0 | 2.0 | 1.50 | -- | 1,500 | N | N | N | N | 30 | N | N |

Kalmiopsis Rock Analyses--continued

| Sample | S-CD | S-CO | S-CR | S-CU | S-LA | S-MO | S-NB | S-NI | S-PB | S-SB | S-SC | S-SN | S-SR | S-V |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 76KT065 | N | 100 | 100 | 100 | -- | N | -- | 50 | N | N | -- | N | -- | 500 |
| 764PC44A | N | 70 | 300 | 100 | -- | N | -- | 100 | N | N | -- | N | -- | 300 |
| 76KP055 | N | 500 | 2,000 | 2,000 | -- | N | -- | 1,500 | N | N | -- | N | -- | 70 |
| 76KP056 | N | 500 | 3,000 | 1,500 | -- | N | -- | 700 | N | N | -- | N | -- | 100 |
| 76KP057 | N | 500 | 3,000 | 2,000 | -- | N | -- | 1,500 | N | N | -- | N | -- | 150 |
| 76KP061 | N | 30 | <50 | 150 | -- | N | -- | 15 | N | N | -- | N | -- | 30 |
| 76KT025 | N | 15 | <50 | 50 | -- | N | -- | 15 | N | N | -- | N | -- | 300 |
| 76KP083 | N | 150 | 5,000 | 20 | -- | N | -- | 3,000 | N | N | -- | N | -- | 20 |
| 76KP099 | N | 100 | 1,500 | 30 | -- | N | -- | 150 | N | N | -- | N | -- | 700 |
| 76KP107 | N | 100 | <50 | 30 | -- | N | -- | 70 | N | N | -- | N | -- | 500 |
| 76KP109 | N | 30 | 300 | 150 | -- | N | -- | 150 | 30 | N | -- | N | -- | 200 |
| 76KP119 | N | 200 | 5,000 | 10 | -- | N | -- | 5,000 | N | N | -- | N | -- | 15 |
| 76KP130 | N | 150 | 5,000 | <5 | -- | N | -- | 1,000 | N | N | -- | N | -- | 150 |
| 76KP133 | N | 10 | 150 | 50 | -- | 20 | -- | 100 | N | N | -- | N | -- | 200 |
| 76KP162 | N | 100 | 2,000 | 300 | -- | N | -- | 200 | N | N | -- | N | -- | 200 |
| 76KP163 | N | 70 | 50 | 200 | -- | N | -- | 30 | N | N | -- | N | -- | 500 |
| 76KP164 | N | 50 | <50 | 150 | -- | N | -- | 20 | N | N | -- | N | -- | 300 |
| 76KP181 | N | 150 | <50 | 200 | -- | N | -- | 70 | N | N | -- | N | -- | 1,000 |
| 76KP187 | N | 50 | 300 | 100 | -- | N | -- | 200 | 20 | N | -- | N | -- | 300 |
| 76KP197 | N | 100 | 150 | 200 | -- | N | -- | 100 | N | N | -- | N | -- | 700 |
| 76KP212 | N | 70 | N | 70 | -- | N | -- | 10 | N | N | -- | N | -- | 500 |
| 76KP215 | N | 100 | 5,000 | 7 | -- | N | -- | 300 | N | N | -- | N | -- | 150 |
| 76KP217 | N | 150 | 3,000 | 7 | -- | N | -- | 300 | N | N | -- | N | -- | 200 |
| 76KP220 | N | 100 | 200 | 5 | -- | N | -- | 150 | N | N | -- | N | -- | 300 |
| 76KP234 | N | 70 | 1,500 | 30 | -- | N | -- | 70 | N | N | -- | N | -- | 300 |
| 76KP272 | N | 15 | 300 | 20 | -- | N | -- | 70 | <20 | N | -- | N | -- | 200 |
| 76KP278 | N | 200 | 5,000 | 30 | -- | N | -- | 1,500 | N | N | -- | N | -- | 100 |
| 76KP280 | N | 700 | >5,000 | 10 | -- | N | -- | 3,000 | N | N | -- | N | -- | 100 |
| 76KP282 | N | 100 | 5,000 | 50 | -- | N | -- | 300 | N | N | -- | N | -- | 300 |
| 76KP284 | N | 150 | 500 | 150 | -- | N | -- | 200 | N | N | -- | N | -- | 200 |
| 76KP286 | N | 100 | 70 | 100 | -- | N | -- | 70 | N | N | -- | N | -- | 300 |
| 76KP295 | N | 100 | 50 | 10 | -- | N | -- | 70 | N | N | -- | N | -- | 500 |
| 76KP296 | N | 100 | 150 | 150 | -- | N | -- | 50 | N | N | -- | N | -- | 500 |
| 76KG012 | N | 200 | >5,000 | 10 | -- | N | -- | 3,000 | N | N | -- | N | -- | 50 |
| 76KG016 | N | 200 | >5,000 | 20 | -- | N | -- | 5,000 | N | N | -- | N | -- | 70 |
| 76KG017 | N | 300 | >5,000 | 15 | -- | N | -- | 5,000 | N | N | -- | N | -- | 150 |
| 76KG139 | N | 300 | 1,500 | 500 | -- | N | -- | 200 | N | N | -- | N | -- | 3,000 |
| 76KG146 | N | 100 | 300 | 100 | -- | N | -- | 50 | N | N | -- | N | -- | 500 |
| 76KS022 | N | 200 | 5,000 | 7 | -- | N | -- | 3,000 | N | N | -- | N | -- | 70 |
| 76KS048 | N | 150 | 5,000 | 5 | -- | N | -- | 3,000 | N | N | -- | N | -- | 30 |
| 76KS021 | N | 300 | 3,000 | 30 | -- | N | -- | 5,000 | N | N | -- | N | -- | 30 |
| 76KS042 | N | 300 | >5,000 | <5 | -- | N | -- | 5,000 | N | N | -- | N | -- | 20 |
| 76KP214 | N | 200 | 5,000 | 7 | -- | N | -- | 2,000 | N | N | -- | N | -- | 20 |
| 76KP242 | N | 100 | 700 | 100 | -- | N | -- | 150 | N | N | -- | N | -- | 150 |
| 76KP252 | N | 70 | 150 | 500 | -- | N | -- | 70 | N | N | -- | N | -- | 200 |

Kalmiopsis Rock Analyses--continued

| Sample | S-W | S-Y | S-ZN | S-ZR | INST-HG | AS-PT | AS-PD | AS-RH | AS-RU | AS-IR | AS-AU |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 76KT065 | N | -- | N | -- | N | N | .003 | N | N | N | .001 |
| 764P044A | N | -- | N | -- | <.02 | N | .003 | N | N | N | N |
| 76KP055 | N | -- | N | -- | .02 | .030 | .070 | N | N | N | .010 |
| 76KP056 | N | -- | N | -- | .02 | N | .020 | N | N | N | .007 |
| 76KP057 | N | -- | N | -- | <.02 | .015 | .050 | N | N | N | .010 |
| 76KPC61 | N | -- | N | -- | .04 | N | <.001 | N | N | N | .001 |
| 76KT025 | N | -- | N | -- | <.02 | N | .001 | N | N | N | N |
| 76KP083 | N | -- | N | -- | .02 | N | .002 | N | N | N | N |
| 76KP099 | N | -- | N | -- | .18 | N | N | N | N | N | N |
| 76KP107 | N | -- | N | -- | <.02 | N | N | N | N | N | .001 |
| 76KP109 | N | -- | N | -- | N | .005 | .005 | N | N | N | .007 |
| 76KP119 | N | -- | N | -- | <.02 | .040 | .006 | N | N | N | N |
| 76KP130 | N | -- | N | -- | .02 | N | .004 | N | N | N | N |
| 76KP133 | N | -- | N | -- | N | N | .002 | N | N | N | .050 |
| 76KP162 | N | -- | N | -- | .02 | .070 | .030 | N | N | N | <.001 |
| 76KP163 | N | -- | N | -- | N | N | .002 | N | N | N | <.001 |
| 76KP164 | N | -- | N | -- | N | N | .002 | N | N | N | N |
| 76KP181 | N | -- | N | -- | <.02 | N | N | N | N | N | .001 |
| 76KP187 | N | -- | N | -- | N | N | .002 | N | N | N | .005 |
| 76KP197 | N | -- | N | -- | N | N | <.001 | N | N | N | .001 |
| 76KP212 | N | -- | N | -- | N | N | N | N | N | N | N |
| 76KP215 | N | -- | N | -- | N | N | .002 | N | N | N | N |
| 76KP217 | N | -- | N | -- | N | .020 | .005 | N | N | N | N |
| 76KP220 | N | -- | N | -- | <.02 | .005 | .005 | N | N | N | N |
| 76KP234 | N | -- | N | -- | N | .015 | .005 | N | N | N | N |
| 76KP272 | N | -- | N | -- | N | N | <.001 | N | N | N | <.001 |
| 76KP278 | N | -- | N | -- | N | .060 | .020 | N | N | N | <.002 |
| 76KP280 | N | -- | N | -- | N | N | <.002 | N | N | N | N |
| 76KP282 | N | -- | N | -- | N | N | .006 | N | N | N | N |
| 76KP284 | N | -- | N | -- | <.02 | .020 | .070 | N | N | N | .001 |
| 76KP286 | N | -- | N | -- | <.02 | N | .050 | N | N | N | .002 |
| 76KP295 | N | -- | N | -- | N | N | N | N | N | N | N |
| 76KP296 | N | -- | N | -- | N | N | .010 | N | N | N | .003 |
| 76KG012 | N | -- | N | -- | N | .010 | .006 | N | N | N | N |
| 76KG016 | N | -- | N | -- | N | N | .006 | N | N | N | N |
| 76KG017 | N | -- | 200 | -- | N | N | .002 | N | N | N | N |
| 76KG139 | N | -- | N | -- | N | .020 | .010 | N | N | N | .050 |
| 76KG146 | N | -- | N | -- | N | N | N | N | N | N | N |
| 76KS022 | N | -- | N | -- | N | N | .004 | N | N | N | <.002 |
| 76KS048 | N | -- | N | -- | N | N | .004 | N | N | N | N |
| 76KS021 | N | -- | N | -- | .02 | .010 | .006 | N | N | N | N |
| 76KS042 | N | -- | N | -- | N | N | <.002 | N | N | N | N |
| 76KP214 | N | -- | N | -- | N | .030 | <.002 | N | N | N | N |
| 76KP242 | N | -- | N | -- | .02 | .070 | .020 | N | N | N | N |
| 76KP252 | N | -- | N | -- | .06 | .010 | .010 | N | N | N | .010 |

Kalmiopsis Rock Analyses--continued

| Sample | X-COORD. | Y-COORD. | S-FE% | S-MG% | S-CA% | S-TI% | S-MN | S-AG | S-AS | S-AU | S-B | S-BA | S-BE | S-BI |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 76KP292 | 419,496 | 4,675,430 | 10.0 | 2.0 | 3.00 | -- | 1,500 | N | N | N | N | 70 | N | N |
| 76KP004 | 426,300 | 4,666,350 | 7.0 | 10.0 | .20 | -- | 1,000 | N | N | N | 100 | 20 | N | N |
| 76KP018 | 428,461 | 4,668,340 | 7.0 | 10.0 | 1.00 | -- | 700 | N | N | N | <20 | N | N | N |
| 76KP021 | 430,108 | 4,664,010 | 7.0 | 10.0 | .15 | -- | 1,000 | N | N | N | 30 | N | N | N |
| 76KP035 | 434,593 | 4,668,510 | 7.0 | 7.0 | .50 | -- | 700 | N | N | N | N | N | N | N |
| 76KP048 | 427,364 | 4,672,830 | 5.0 | 5.0 | 5.00 | -- | 1,000 | N | N | N | N | 70 | N | N |
| 76KP049 | 427,364 | 4,672,830 | 7.0 | 10.0 | .50 | -- | 1,000 | N | N | N | 50 | N | N | N |
| 76KP064 | 426,161 | 4,672,030 | 7.0 | 10.0 | 5.00 | -- | 1,500 | N | N | N | 20 | N | N | N |
| 76KP073 | 428,324 | 4,670,870 | 7.0 | 5.0 | 2.00 | -- | 700 | N | N | N | N | 100 | N | N |
| 76KP079 | 428,271 | 4,671,420 | 10.0 | 5.0 | .07 | -- | 700 | N | N | N | <20 | N | N | N |
| 76KP084 | 424,692 | 4,669,820 | 7.0 | 10.0 | 1.50 | -- | 1,000 | N | N | N | N | <20 | N | N |
| 76KP089 | 426,073 | 4,670,020 | 10.0 | 10.0 | 1.00 | -- | 1,000 | N | N | N | 30 | N | N | N |
| 76KP091 | 425,563 | 4,670,790 | 3.0 | 1.0 | 1.50 | -- | 300 | N | N | N | N | 2,000 | N | N |
| 76KP094 | 425,383 | 4,671,250 | 20.0 | 5.0 | .07 | -- | 700 | N | N | N | N | 30 | N | N |
| 76KP097 | 425,241 | 4,672,310 | 7.0 | 7.0 | 15.00 | -- | 1,000 | N | N | N | N | N | N | N |
| 76KP098 | 425,241 | 4,672,310 | 10.0 | 10.0 | .70 | -- | 1,000 | N | N | N | 50 | N | N | N |
| 76KP105 | 424,162 | 4,671,380 | 5.0 | 7.0 | 15.00 | -- | 1,000 | N | N | N | N | N | N | N |
| 76KP108 | 424,052 | 4,670,830 | 7.0 | 7.0 | .50 | -- | 700 | N | N | N | 20 | N | N | N |
| 76KP112 | 421,205 | 4,670,270 | 7.0 | 5.0 | .30 | -- | 200 | N | N | N | N | 30 | N | N |
| 76KP113 | 420,614 | 4,670,190 | 10.0 | 10.0 | .50 | -- | 1,000 | N | N | N | N | <20 | N | N |
| 76KP114 | 420,349 | 4,670,110 | 10.0 | 2.0 | 3.00 | -- | 1,500 | N | N | N | 20 | 50 | N | N |
| 76KP116 | 423,050 | 4,669,700 | 7.0 | 7.0 | .70 | -- | 1,000 | N | N | N | N | N | N | N |
| 76KP134 | 432,840 | 4,676,220 | 7.0 | 7.0 | .50 | -- | 700 | N | N | N | 100 | N | N | N |
| 76KP146 | 432,023 | 4,679,740 | 20.0 | .5 | .50 | -- | 300 | N | N | N | N | 20 | N | N |
| 76KP155 | 426,338 | 4,684,930 | 7.0 | 2.0 | 3.00 | -- | 1,500 | N | N | N | <20 | 50 | N | N |
| 76KP167 | 426,160 | 4,685,420 | 10.0 | 3.0 | 7.00 | -- | 1,500 | N | N | N | N | 50 | N | N |
| 76KP168 | 426,445 | 4,685,190 | 7.0 | 3.0 | 5.00 | -- | 1,500 | N | N | N | N | 70 | N | N |
| 76KP183 | 423,012 | 4,680,870 | 7.0 | 2.0 | 5.00 | -- | 1,500 | N | N | N | <20 | 150 | N | N |
| 76KG002 | 428,555 | 4,665,090 | 15.0 | 10.0 | <.05 | -- | 700 | N | N | N | 70 | <20 | N | N |
| 76KG003 | 427,759 | 4,665,860 | 7.0 | 10.0 | .30 | -- | 700 | N | N | N | N | N | N | N |
| 76KG006 | 429,239 | 4,666,310 | 10.0 | 7.0 | 5.00 | -- | 1,500 | N | N | N | N | <20 | N | N |
| 76KG009 | 426,140 | 4,670,890 | 7.0 | 3.0 | 3.00 | -- | 1,500 | N | N | N | <20 | 30 | N | N |
| 76KG020 | 423,225 | 4,667,630 | 10.0 | 10.0 | .70 | -- | 1,000 | N | N | N | N | N | N | N |
| 76KG021 | 423,715 | 4,668,410 | 10.0 | 10.0 | 1.00 | -- | 1,000 | N | N | N | N | N | N | N |
| 76KG022 | 424,781 | 4,667,160 | 10.0 | 10.0 | .70 | -- | 1,000 | N | N | N | N | N | N | N |
| 76KG026 | 425,224 | 4,667,730 | 10.0 | 10.0 | .70 | -- | 1,000 | N | N | N | N | N | N | N |
| 76KG066 | 425,293 | 4,683,970 | 7.0 | 2.0 | 7.00 | -- | 500 | N | N | N | N | 30 | N | N |
| 76KG076 | 423,450 | 4,679,300 | 10.0 | 3.0 | 5.00 | -- | 2,000 | N | N | N | <20 | 20 | N | N |
| 76KG081 | 423,370 | 4,679,250 | 10.0 | 3.0 | 7.00 | -- | 1,500 | N | N | N | <20 | 50 | N | N |
| 76KG114 | 424,264 | 4,681,920 | 7.0 | 10.0 | .70 | -- | 700 | N | N | N | N | N | N | N |
| 76KG117 | 423,419 | 4,681,170 | 10.0 | 3.0 | 5.00 | -- | 1,500 | N | N | N | N | 20 | N | N |
| 76KG121 | 424,161 | 4,685,250 | 7.0 | 5.0 | 5.00 | -- | 1,000 | N | N | N | N | <20 | N | N |
| 76KG132 | 425,040 | 4,684,250 | 10.0 | 5.0 | 1.50 | -- | 1,500 | N | N | N | N | 20 | N | N |
| 76KG137 | 425,040 | 4,684,250 | 7.0 | 7.0 | 10.00 | -- | 1,000 | N | N | N | N | N | N | N |
| 76KG144 | 423,886 | 4,683,900 | 10.0 | 2.0 | 5.00 | -- | 1,000 | N | N | N | N | 50 | N | N |

Kalmiopsis Rock Analyses--continued

| Sample | S-CD | S-CO | S-CR | S-CU | S-LA | S-MO | S-NB | S-NI | S-PB | S-SB | S-SC | S-SN | S-SR | S-V |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 76KP292 | N | 70 | <50 | 150 | -- | N | -- | 20 | N | N | -- | N | -- | 300 |
| 76KP004 | N | 200 | 3,000 | 15 | -- | N | -- | 3,000 | N | N | -- | N | -- | 30 |
| 76KP018 | N | 200 | 3,000 | 20 | -- | N | -- | 5,000 | N | N | -- | N | -- | 70 |
| 76KP021 | N | 200 | 3,000 | N | -- | N | -- | 5,000 | N | N | -- | N | -- | 50 |
| 76KP035 | N | 200 | 5,000 | 30 | -- | N | -- | 3,000 | N | N | -- | N | -- | 70 |
| 76KP048 | N | 70 | 500 | N | -- | N | -- | 200 | N | N | -- | N | -- | 100 |
| 76KP049 | N | 150 | 3,000 | N | -- | N | -- | 2,000 | N | N | -- | N | -- | 50 |
| 76KP064 | N | 200 | 2,000 | 150 | -- | N | -- | 1,000 | N | N | -- | N | -- | 100 |
| 76KP073 | N | 70 | 1,500 | 100 | -- | N | -- | 300 | N | N | -- | N | -- | 200 |
| 76KP079 | N | 1,500 | >5,000 | 10 | -- | N | -- | 2,000 | N | N | -- | N | -- | 500 |
| 76KP084 | N | 150 | 5,000 | 30 | -- | N | -- | 3,000 | N | N | -- | N | -- | 50 |
| 76KP089 | N | 200 | 3,000 | 10 | -- | N | -- | 5,000 | N | N | -- | N | -- | 50 |
| 76KP091 | N | 5 | 100 | N | -- | N | -- | 70 | N | N | -- | N | -- | 10 |
| 76KP094 | N | 1,500 | >5,000 | 7 | -- | N | -- | 1,500 | N | N | -- | N | -- | 300 |
| 76KP097 | N | 100 | 5,000 | 300 | -- | N | -- | 1,000 | N | N | -- | N | -- | 200 |
| 76KP098 | N | 150 | >5,000 | 100 | -- | N | -- | 2,000 | N | N | -- | N | -- | 50 |
| 76KP105 | N | 100 | 1,500 | 300 | -- | N | -- | 200 | N | N | -- | N | -- | 300 |
| 76KP108 | N | 200 | 3,000 | 20 | -- | N | -- | 3,000 | N | N | -- | N | -- | 50 |
| 76KP112 | N | 200 | >5,000 | 70 | -- | N | -- | 5,000 | N | N | -- | N | -- | 70 |
| 76KP113 | N | 300 | 5,000 | 10 | -- | N | -- | 5,000 | N | N | -- | N | -- | 50 |
| 76KP114 | N | 50 | 70 | 30 | -- | N | -- | 70 | N | N | -- | N | -- | 200 |
| 76KP116 | N | 150 | 5,000 | 7 | -- | N | -- | 2,000 | N | N | -- | N | -- | 100 |
| 76KP134 | N | 200 | 3,000 | N | -- | N | -- | 3,000 | N | N | -- | N | -- | 50 |
| 76KP146 | N | 5 | 200 | 30 | -- | N | -- | 15 | N | N | -- | N | -- | 200 |
| 76KP165 | N | 70 | 50 | 200 | -- | N | -- | 30 | N | N | -- | N | -- | 300 |
| 76KP167 | N | 70 | 50 | 300 | -- | N | -- | 30 | N | N | -- | N | -- | 700 |
| 76KP168 | N | 70 | 50 | 200 | -- | N | -- | 30 | N | N | -- | N | -- | 500 |
| 76KP183 | N | 50 | N | 70 | -- | N | -- | 30 | N | N | -- | N | -- | 300 |
| 76KG002 | N | 200 | >5,000 | 5 | -- | N | -- | 3,000 | N | N | -- | N | -- | 70 |
| 76KG003 | N | 200 | 5,000 | <5 | -- | N | -- | 3,000 | N | N | -- | N | -- | 30 |
| 76KG006 | N | 100 | 2,000 | 15 | -- | N | -- | 1,500 | N | N | -- | N | -- | 70 |
| 76KG009 | N | 50 | 70 | 50 | -- | N | -- | 50 | N | N | -- | N | -- | 300 |
| 76KG020 | N | 150 | 5,000 | 7 | -- | N | -- | 3,000 | N | N | -- | N | -- | 50 |
| 76KG021 | N | 150 | 5,000 | 7 | -- | N | -- | 2,000 | N | N | -- | N | -- | 50 |
| 76KG022 | N | 200 | 3,000 | 50 | -- | N | -- | 3,000 | N | N | -- | N | -- | 50 |
| 76KG026 | N | 200 | 3,000 | 10 | -- | N | -- | 3,000 | N | N | -- | N | -- | 50 |
| 76KG066 | N | 100 | N | 70 | -- | N | -- | 20 | N | N | -- | N | -- | 300 |
| 76KG076 | N | 150 | N | 150 | -- | N | -- | 10 | N | N | -- | N | -- | 500 |
| 76KG081 | N | 70 | N | 100 | -- | N | -- | 15 | N | N | -- | N | -- | 500 |
| 76KG114 | N | 200 | 5,000 | 15 | -- | N | -- | 5,000 | N | N | -- | N | -- | 50 |
| 76KG117 | N | 50 | N | 50 | -- | N | -- | 15 | N | N | -- | N | -- | 200 |
| 76KG121 | N | 150 | 1,500 | 20 | -- | N | -- | 300 | N | N | -- | N | -- | 150 |
| 76KG132 | N | 300 | 200 | 15 | -- | N | -- | 300 | N | N | -- | N | -- | 200 |
| 76KG137 | N | 150 | 1,500 | 15 | -- | N | -- | 150 | N | N | -- | N | -- | 300 |
| 76KG144 | N | 100 | N | 200 | -- | N | -- | 20 | N | N | -- | N | -- | 500 |

Kalmiopsis Rock Analyses--continued

| Sample | S-W | S-Y | S-ZN | S-ZR | INST-HG | AS-PT | AS-PD | AS-RH | AS-RU | AS-IR | AS-AU |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 76KP292 | N | -- | N | -- | N | N | .005 | N | N | N | .005 |
| 76KP004 | N | -- | N | -- | N | .010 | .015 | N | N | N | .003 |
| 76KP018 | N | -- | N | -- | .04 | .010 | .015 | N | N | N | .002 |
| 76KP021 | N | -- | N | -- | .06 | .015 | .005 | N | N | N | .002 |
| 76KP035 | N | -- | N | -- | N | .020 | .030 | N | N | N | .003 |
| 76KP048 | N | -- | N | -- | .04 | .020 | .010 | N | N | N | N |
| 76KP049 | N | -- | N | -- | .02 | .020 | .005 | N | N | N | .002 |
| 76KP064 | N | -- | N | -- | .04 | .020 | .030 | N | N | N | .003 |
| 76KP073 | N | -- | N | -- | .02 | .010 | .015 | N | N | N | .005 |
| 76KP079 | N | -- | N | -- | N | .010 | .002 | .060 | N | .6 | N |
| 76KP084 | N | -- | N | -- | .02 | .010 | .015 | N | N | N | .002 |
| 76KP089 | N | -- | N | -- | N | N | .005 | N | N | N | N |
| 76KP091 | N | -- | N | -- | N | N | N | N | N | N | N |
| 76KP094 | N | -- | N | -- | N | N | N | N | N | N | N |
| 76KP097 | N | -- | N | -- | .02 | .020 | .010 | N | N | N | .003 |
| 76KP098 | N | -- | N | -- | <.02 | .040 | .060 | N | N | N | .004 |
| 76KP105 | N | -- | N | -- | N | .050 | .050 | N | N | N | .100 |
| 76KP108 | N | -- | N | -- | N | .010 | .003 | N | N | N | N |
| 76KP112 | N | -- | N | -- | .02 | N | .004 | N | N | N | .004 |
| 76KP113 | N | -- | N | -- | N | N | .004 | N | N | N | N |
| 76KP114 | N | -- | N | -- | N | N | N | N | N | N | N |
| 76KP116 | N | -- | N | -- | N | .040 | .040 | N | N | N | .004 |
| 76KP134 | N | -- | N | -- | <.02 | N | <.001 | N | N | N | N |
| 76KP146 | N | -- | N | -- | .08 | N | .015 | N | N | N | .100 |
| 76KP165 | N | -- | N | -- | <.02 | .010 | .015 | N | N | N | .010 |
| 76KP167 | N | -- | N | -- | N | .010 | .030 | N | N | N | .020 |
| 76KP168 | N | -- | N | -- | N | .010 | .020 | N | N | N | .015 |
| 76KP183 | N | -- | N | -- | N | N | N | N | N | N | N |
| 76KG002 | N | -- | N | -- | .10 | N | .020 | N | N | N | .004 |
| 76KG003 | N | -- | N | -- | .02 | .010 | .010 | N | N | N | N |
| 76KG006 | N | -- | N | -- | .06 | .005 | .007 | N | N | N | .030 |
| 76KG009 | N | -- | N | -- | .02 | N | N | N | N | N | N |
| 76KG020 | N | -- | N | -- | .02 | .010 | .010 | N | N | N | N |
| 76KG021 | N | -- | N | -- | N | .010 | .020 | N | N | N | N |
| 76KG022 | N | -- | N | -- | <.02 | .010 | .020 | N | N | N | .005 |
| 76KG026 | N | -- | N | -- | .02 | N | .015 | N | N | N | .003 |
| 76KG066 | N | -- | N | -- | .02 | N | .005 | N | N | N | N |
| 76KG076 | N | -- | N | -- | .04 | N | N | N | N | N | N |
| 76KG031 | N | -- | N | -- | N | N | N | N | N | N | N |
| 76KG114 | N | -- | N | -- | N | .010 | .010 | N | N | N | N |
| 76KG117 | N | -- | N | -- | N | N | N | N | N | N | N |
| 76KG121 | N | -- | N | -- | N | .150 | .100 | N | N | N | .003 |
| 76KG132 | N | -- | N | -- | .02 | N | N | N | N | N | N |
| 76KG137 | N | -- | N | -- | N | N | .001 | N | N | N | N |
| 76KG144 | N | -- | N | -- | <.02 | N | N | N | N | N | .003 |

Kalmiopsis Rock Analyses--continued

| Sample | X-COORD. | Y-COORD. | S-FE% | S-MG% | S-CA% | S-TI% | S-MN | S-AG | S-AS | S-AU | S-B | S-BA | S-BE | S-BI |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 76KG148 | 423,886 | 4,683,900 | 10.0 | 2.0 | 5.00 | -- | 1,000 | N | N | N | N | 70 | N | N |
| 76KT002 | 421,095 | 4,669,630 | 7.0 | 10.0 | .70 | -- | 1,000 | N | N | N | N | <20 | N | N |
| 76KT015 | 423,627 | 4,681,200 | 10.0 | 5.0 | 5.00 | -- | 1,000 | N | N | N | N | <20 | N | N |
| 76KTC19 | 430,651 | 4,684,270 | 7.0 | 7.0 | .50 | -- | 500 | N | N | N | N | N | N | N |
| 76KT020 | 430,651 | 4,684,270 | 7.0 | 10.0 | .50 | -- | 700 | N | N | N | N | N | N | N |
| 76KT024 | 428,959 | 4,684,580 | 10.0 | 3.0 | 5.00 | -- | 2,000 | N | N | N | 20 | 70 | N | N |
| 76KT030 | 427,732 | 4,687,940 | 10.0 | 3.0 | 7.00 | -- | 1,500 | N | N | N | <20 | 30 | N | N |
| 76KT032 | 426,362 | 4,688,000 | 10.0 | 3.0 | 5.00 | -- | 1,500 | N | N | N | N | 50 | N | N |
| 76KS004 | 427,017 | 4,664,270 | 7.0 | 10.0 | .30 | -- | 1,000 | N | N | N | 20 | N | N | N |
| 76KS021 | 427,469 | 4,660,180 | 10.0 | 10.0 | .30 | -- | 1,000 | N | N | N | 30 | <20 | N | N |
| 76KS025 | 432,710 | 4,670,070 | 10.0 | 3.0 | 5.00 | -- | 1,000 | N | N | N | N | 50 | N | N |
| 76KS051 | 432,659 | 4,669,340 | 7.0 | 10.0 | .05 | -- | 700 | N | N | N | 50 | <20 | N | N |
| 76KS060 | 428,112 | 4,673,380 | 10.0 | 3.0 | 5.00 | -- | 1,500 | N | N | N | N | 70 | N | N |
| 76KS084 | 422,526 | 4,671,030 | 10.0 | 10.0 | .70 | -- | 1,000 | N | N | N | 70 | N | N | N |
| 76KNC01 | 425,000 | 4,668,500 | 7.0 | 10.0 | .70 | -- | 700 | N | N | N | N | N | N | N |
| 76KNC03 | 424,000 | 4,666,300 | 10.0 | 10.0 | .30 | -- | 700 | N | N | N | N | N | N | N |
| 76KNC04 | 424,050 | 4,669,350 | 10.0 | 10.0 | 1.00 | -- | 700 | N | N | N | N | N | N | N |
| 76KNC05 | 423,100 | 4,668,250 | 7.0 | 10.0 | .50 | -- | 700 | N | N | N | N | N | N | N |
| 76KNC06 | 426,489 | 4,667,480 | 10.0 | 10.0 | .50 | -- | 1,000 | N | N | N | N | N | N | N |
| 76KNC07 | 422,700 | 4,662,500 | 10.0 | 10.0 | .50 | -- | 1,000 | N | N | N | N | N | N | N |
| 76CP001 | 437,400 | 4,661,800 | 7.0 | 10.0 | .30 | -- | 700 | N | N | N | N | N | N | N |
| 76CP008 | 435,050 | 4,654,450 | 10.0 | 10.0 | .30 | -- | 1,000 | N | N | N | 20 | N | N | N |
| 76KP110 | 422,924 | 4,670,070 | 10.0 | 10.0 | .70 | -- | 1,000 | N | N | N | N | N | N | N |
| 76KP111 | 422,278 | 4,669,620 | 10.0 | 10.0 | .50 | -- | 1,000 | N | N | N | 20 | N | N | N |
| 78KP008 | 424,468 | 4,659,350 | 3.0 | 1.0 | 3.00 | -- | 1,500 | N | N | N | 50 | 700 | N | N |
| 78KP018 | 421,899 | 4,659,260 | 5.0 | 10.0 | .20 | -- | 700 | N | N | N | 30 | N | N | N |
| 78KP033 | 416,601 | 4,695,920 | 20.0 | 3.0 | 2.00 | -- | 1,500 | .5 | N | N | 20 | 70 | N | N |
| 78KP034 | 416,601 | 4,695,920 | 15.0 | 3.0 | 7.00 | -- | 1,500 | N | N | N | 30 | 70 | N | N |
| 78KZ006 | 434,365 | 4,671,880 | 5.0 | 5.0 | 7.00 | -- | 1,000 | N | N | N | 30 | 150 | N | N |
| 78KZ007 | 434,472 | 4,671,710 | 10.0 | 5.0 | 5.00 | -- | 1,500 | N | N | N | 30 | 100 | N | N |
| 78KN039 | 416,800 | 4,697,000 | 10.0 | 10.0 | .50 | -- | 500 | N | N | N | 70 | N | N | N |
| 78KFC08 | 425,500 | 4,698,000 | 10.0 | 5.0 | 10.00 | -- | 1,000 | N | N | N | 50 | 100 | N | N |
| 78KF041 | 425,875 | 4,664,450 | 7.0 | 10.0 | .70 | -- | 1,500 | N | N | N | 200 | N | N | N |
| 78KF054 | 423,366 | 4,662,810 | 7.0 | 10.0 | .15 | -- | 1,000 | N | N | N | 100 | N | N | N |
| 78KC014 | 424,131 | 4,661,970 | 10.0 | 10.0 | .30 | -- | 1,000 | N | N | N | 50 | N | N | N |
| 78KS042 | 420,714 | 4,664,140 | 7.0 | 5.0 | 10.00 | -- | 1,000 | N | N | N | 20 | 100 | N | N |
| 78KS082 | 429,800 | 4,697,500 | 7.0 | 2.0 | 5.00 | -- | 1,000 | N | N | N | 30 | 200 | N | N |
| 78KS085 | 429,800 | 4,697,500 | 7.0 | 2.0 | 5.00 | -- | 1,000 | N | N | N | 20 | 500 | N | N |
| 78KS086 | 429,800 | 4,697,500 | 3.0 | .5 | 5.00 | -- | 500 | N | N | N | 20 | 500 | N | N |
| 78KG019B | 418,332 | 4,668,590 | 15.0 | 10.0 | N | -- | 1,500 | N | N | N | 70 | N | N | N |
| 78KG023 | 421,067 | 4,663,040 | 5.0 | 1.0 | 2.00 | -- | 1,000 | N | N | N | 100 | 1,000 | N | N |
| 78KG027 | 421,051 | 4,664,100 | 7.0 | 10.0 | .20 | -- | 3,000 | N | N | N | <20 | N | N | N |
| 78KG030 | 421,710 | 4,665,880 | 10.0 | 10.0 | .70 | -- | 1,000 | N | N | N | 200 | N | N | N |
| 78KG043 | 415,750 | 4,697,000 | 20.0 | 3.0 | 1.00 | -- | 5,000 | N | N | N | N | 100 | N | N |
| 78KG044 | 415,746 | 4,696,520 | 10.0 | 10.0 | 5.00 | -- | 1,500 | N | N | N | 20 | N | N | N |

Kalmiopsis Rock Analyses--continued

| Sample | S-CD | S-CO | S-CR | S-CU | S-LA | S-MO | S-NB | S-NI | S-PB | S-SB | S-SC | S-SN | S-SR | S-V |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 76KG148 | N | 100 | N | 300 | -- | N | -- | 20 | N | N | -- | N | -- | 500 |
| 76KT002 | N | 200 | 3,000 | 7 | -- | N | -- | 5,000 | N | N | -- | N | -- | 50 |
| 76KT015 | N | 150 | 1,500 | 100 | -- | N | -- | 300 | N | N | -- | N | -- | 200 |
| 76KT019 | N | 200 | 3,000 | 20 | -- | N | -- | 3,000 | N | N | -- | N | -- | 30 |
| 76KT020 | N | 300 | 5,000 | 15 | -- | N | -- | 5,000 | N | N | -- | N | -- | 50 |
| 76KT024 | N | 70 | 100 | 70 | -- | N | -- | 100 | N | N | -- | N | -- | 500 |
| 76KT030 | N | 100 | 100 | 300 | -- | N | -- | 100 | N | N | -- | N | -- | 700 |
| 76KT032 | N | 70 | 50 | 150 | -- | N | -- | 30 | N | N | -- | N | -- | 300 |
| 76KS004 | N | 200 | 5,000 | 5 | -- | N | -- | 3,000 | N | N | -- | N | -- | 50 |
| 76KS021 | N | 200 | 2,000 | 20 | -- | N | -- | 3,000 | N | N | -- | N | -- | 30 |
| 76KS025 | N | 70 | 300 | 100 | -- | N | -- | 150 | N | N | -- | N | -- | 300 |
| 76KS051 | N | 200 | 3,000 | 30 | -- | N | -- | 3,000 | N | N | -- | N | -- | 70 |
| 76KS060 | N | 50 | 500 | 150 | -- | N | -- | 150 | N | N | -- | N | -- | 300 |
| 76KS084 | N | 150 | 3,000 | 7 | -- | N | -- | 3,000 | N | N | -- | N | -- | 20 |
| 76KN001 | N | 200 | 3,000 | 20 | -- | N | -- | 3,000 | N | N | -- | N | -- | 50 |
| 76KN003 | N | 200 | 5,000 | 7 | -- | N | -- | 5,000 | N | N | -- | N | -- | 50 |
| 76KN004 | N | 200 | 5,000 | 30 | -- | N | -- | 5,000 | N | N | -- | N | -- | 70 |
| 76KN005 | N | 200 | 3,000 | 20 | -- | N | -- | 3,000 | N | N | -- | N | -- | 50 |
| 76KN006 | N | 200 | 3,000 | 20 | -- | N | -- | 3,000 | N | N | -- | N | -- | 50 |
| 76KN007 | N | 200 | 5,000 | 20 | -- | N | -- | 5,000 | N | N | -- | N | -- | 50 |
| 76CP001 | N | 200 | 5,000 | 15 | -- | N | -- | 3,000 | N | N | -- | N | -- | 70 |
| 76CP008 | N | 200 | >5,000 | 10 | -- | N | -- | 5,000 | 30 | N | -- | N | -- | 50 |
| 76KP110 | N | 200 | 5,000 | 20 | -- | N | -- | 3,000 | N | N | -- | N | -- | 50 |
| 76KP111 | N | 200 | 5,000 | 20 | -- | N | -- | 5,000 | N | N | -- | N | -- | 50 |
| 78KP008 | N | 10 | N | 30 | -- | N | -- | <5 | <20 | N | -- | N | -- | 150 |
| 73KP018 | N | 70 | 2,000 | 20 | -- | N | -- | 3,000 | N | N | -- | N | -- | 70 |
| 78KP033 | N | 50 | N | 1,000 | -- | N | -- | 10 | N | N | -- | N | -- | 200 |
| 78KP034 | N | 100 | N | 500 | -- | N | -- | 10 | N | N | -- | N | -- | 500 |
| 78KZ006 | N | 50 | 300 | 150 | -- | N | -- | 100 | N | N | -- | N | -- | 300 |
| 78KZ007 | N | 50 | 150 | 500 | -- | N | -- | 70 | N | N | -- | N | -- | 300 |
| 78KN039 | N | 150 | 5,000 | 150 | -- | N | -- | 2,000 | N | N | -- | N | -- | 70 |
| 78KF008 | N | 100 | 300 | 7 | -- | N | -- | 150 | N | N | -- | N | -- | 300 |
| 78KF041 | N | 150 | 3,000 | 15 | -- | N | -- | 3,000 | N | N | -- | N | -- | 50 |
| 78KF054 | N | 150 | 3,000 | 10 | -- | N | -- | 3,000 | N | N | -- | N | -- | 50 |
| 78KC014 | N | 150 | 3,000 | 5 | -- | N | -- | 3,000 | N | N | -- | N | -- | 50 |
| 78KS042 | N | 30 | 300 | N | -- | N | -- | 70 | N | N | -- | N | -- | 300 |
| 78KS032 | N | 15 | N | 100 | -- | 10 | -- | <5 | N | N | -- | N | -- | 200 |
| 78KS035 | N | 7 | N | 300 | -- | N | -- | <5 | N | N | -- | N | -- | 150 |
| 78KS036 | N | 7 | N | 100 | -- | N | -- | 5 | N | N | -- | N | -- | 70 |
| 78KG019B | N | 300 | >5,000 | 5 | -- | N | -- | 5,000 | N | N | -- | N | -- | 70 |
| 78KG023 | N | 10 | N | 15 | -- | N | -- | 15 | N | N | -- | N | -- | 150 |
| 78KG027 | N | 100 | 3,000 | 5 | -- | N | -- | 2,000 | N | N | -- | N | -- | 30 |
| 78KG030 | N | 150 | 5,000 | 10 | -- | N | -- | 2,000 | N | N | -- | N | -- | 70 |
| 78KG043 | N | 1,000 | >5,000 | 70 | -- | N | -- | 5,000 | N | N | -- | N | -- | 300 |
| 78KG044 | N | 150 | 3,000 | 70 | -- | N | -- | 3,000 | N | N | -- | N | -- | 70 |

Kalmiopsis Rock Analyses--continued

| Sample | S-W | S-Y | S-ZN | S-ZR | INST-HG | AS-PT | AS-PD | AS-RH | AS-RU | AS-IR | AS-AU |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 76KG148 | N | -- | N | -- | .08 | N | .001 | N | N | N | .002 |
| 76KT002 | N | -- | N | -- | .02 | N | .006 | N | N | N | N |
| 76KT015 | N | -- | N | -- | N | N | .020 | N | N | N | N |
| 76KT019 | N | -- | N | -- | N | .010 | .007 | N | N | N | N |
| 76KTC20 | N | -- | N | -- | N | .010 | .030 | N | N | N | N |
| 76KT024 | N | -- | N | -- | N | N | .001 | N | N | N | N |
| 76KT030 | N | -- | N | -- | N | .005 | .020 | N | N | N | .005 |
| 76KT032 | N | -- | N | -- | N | .010 | .030 | N | N | N | N |
| 76KS004 | N | -- | N | -- | .06 | .014 | .014 | N | N | N | .006 |
| 76KS021 | N | -- | N | -- | .04 | .005 | .005 | N | N | N | .005 |
| 76KS025 | N | -- | N | -- | <.02 | N | .001 | N | N | N | N |
| 76KS051 | N | -- | N | -- | N | .010 | .015 | N | N | N | .007 |
| 76KS060 | N | -- | N | -- | N | .005 | .010 | N | N | N | .003 |
| 76KS084 | N | -- | N | -- | N | .010 | .015 | N | N | N | N |
| 76KN001 | N | -- | N | -- | N | .010 | .020 | N | N | N | .002 |
| 76KN003 | N | -- | N | -- | N | .014 | .030 | N | N | N | .040 |
| 76KN004 | N | -- | N | -- | N | .010 | .014 | N | N | N | .040 |
| 76KN005 | N | -- | N | -- | N | .007 | .005 | N | N | N | .005 |
| 76KN006 | N | -- | N | -- | N | .010 | .005 | N | N | N | N |
| 76KN007 | N | -- | N | -- | N | .010 | .010 | N | N | N | N |
| 76CP001 | N | -- | N | -- | N | N | .006 | N | N | N | N |
| 76CPC08 | N | -- | N | -- | N | N | .006 | N | N | N | N |
| 76KP110 | N | -- | N | -- | N | .010 | .010 | N | N | N | N |
| 76KP111 | N | -- | N | -- | .02 | .010 | .014 | N | N | N | N |
| 78KP008 | N | -- | N | -- | N | N | N | N | N | N | N |
| 78KP018 | N | -- | N | -- | N | N | .003 | N | N | N | .001 |
| 78KP033 | N | -- | N | -- | .50 | N | N | N | N | N | .070 |
| 78KPC34 | N | -- | N | -- | .04 | N | N | N | N | N | .005 |
| 78KZ006 | N | -- | N | -- | N | .005 | .005 | N | N | N | .005 |
| 78KZ007 | N | -- | N | -- | N | N | .003 | N | N | N | .002 |
| 78KN039 | N | -- | N | -- | <.02 | .015 | .005 | N | N | N | .001 |
| 78KFC08 | N | -- | N | -- | N | N | N | N | N | N | .003 |
| 78KFC41 | N | -- | N | -- | <.02 | N | .003 | N | N | N | .001 |
| 78KF054 | N | -- | N | -- | N | N | .003 | N | N | N | .001 |
| 78KC014 | N | -- | N | -- | <.02 | N | .003 | N | N | N | N |
| 78KSC42 | N | -- | N | -- | N | N | .002 | N | N | N | N |
| 78KS032 | N | -- | N | -- | .04 | N | N | N | N | N | .002 |
| 78KS045 | N | -- | N | -- | N | N | N | N | N | N | N |
| 78KS086 | N | -- | N | -- | N | N | N | N | N | N | .002 |
| 78KG019B | N | -- | N | -- | <.02 | N | .006 | N | N | N | .002 |
| 78KG023 | N | -- | N | -- | N | .005 | N | N | N | N | N |
| 78KG027 | N | -- | N | -- | N | .015 | .010 | N | N | N | N |
| 78KG030 | N | -- | N | -- | N | .010 | .005 | N | N | N | N |
| 78KGC43 | N | -- | 500 | -- | N | .010 | .007 | N | N | N | .005 |
| 78KG044 | N | -- | N | -- | N | .100 | .020 | N | N | N | N |

Kalmiopsis Rock Analyses--continued

| Sample | X-COORD. | Y-COORD. | S-FE% | S-MG% | S-CA% | S-TI% | S-MN | S-AG | S-AS | S-AU | S-B | S-BA | S-BE | S-BI |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 78KG046 | 416,212 | 4,696,390 | 10.0 | 5.0 | 10.00 | -- | 2,000 | N | N | N | 20 | 150 | N | N |
| 78KG050 | 413,776 | 4,690,790 | 10.0 | 5.0 | 7.00 | -- | 1,000 | N | N | N | 20 | 20 | N | N |
| 78KG042 | 415,223 | 4,696,890 | 10.0 | 10.0 | 1.00 | -- | 1,000 | N | N | N | 20 | N | N | N |
| 78KD129A | -- | -- | 5.0 | 10.0 | .15 | -- | 700 | N | N | N | <20 | N | N | N |
| 78KD129B | -- | -- | 7.0 | 1.0 | N | -- | 1,500 | N | N | N | 30 | N | N | N |
| 78KD129C | -- | -- | 7.0 | 10.0 | .70 | -- | 1,000 | N | N | N | 200 | N | N | N |
| 7TNC77 | 424,800 | 4,684,370 | 15.0 | 7.0 | 15.00 | .150 | 1,500 | N | N | N | N | N | N | N |
| 9TNC77 | 424,700 | 4,684,560 | 20.0 | 7.0 | 1.50 | .300 | 2,000 | N | N | N | N | 30 | N | N |
| 14TNC77 | 424,475 | 4,684,620 | 15.0 | 7.0 | 15.00 | .150 | 1,500 | N | N | N | N | <20 | N | N |
| 16TNC77 | 424,560 | 4,684,150 | 15.0 | 3.0 | 15.00 | .150 | 700 | N | N | N | N | 300 | N | N |
| 18TNC77 | 424,560 | 4,683,790 | 20.0 | 10.0 | .10 | .010 | 700 | N | N | N | 70 | <20 | N | N |
| 19TNC77 | 424,625 | 4,684,200 | 15.0 | 7.0 | 10.00 | .200 | 1,500 | N | N | N | N | 20 | N | N |
| 20TNC77 | 424,800 | 4,684,000 | 15.0 | 7.0 | 5.00 | .020 | 1,500 | N | N | N | N | <20 | N | N |
| 21TNC77 | 424,800 | 4,684,000 | 15.0 | 10.0 | 7.00 | .030 | 1,000 | N | N | N | N | N | N | N |
| 28TNC77 | 424,925 | 4,683,620 | 15.0 | 5.0 | 10.00 | .200 | 1,500 | N | N | N | 20 | 20 | N | N |
| 34TNC77 | 424,825 | 4,683,350 | 15.0 | 10.0 | 7.00 | .070 | 1,500 | N | N | N | N | 20 | N | N |
| 36TNC77 | 424,900 | 4,683,270 | 10.0 | 7.0 | 10.00 | .100 | 1,500 | N | N | N | N | <20 | N | N |
| 37TNC77 | 424,900 | 4,683,270 | 7.0 | 7.0 | 10.00 | .100 | 1,500 | N | N | N | N | N | N | N |
| 39TNC77 | 424,350 | 4,684,600 | 10.0 | 10.0 | .20 | .015 | 700 | N | N | N | N | N | N | N |
| 44TNC77 | 424,220 | 4,684,550 | 10.0 | 7.0 | 1.50 | .050 | 1,000 | N | N | N | N | N | N | N |
| 46TNC77 | 424,180 | 4,684,720 | 10.0 | 10.0 | .30 | .010 | 1,500 | N | N | N | N | N | N | N |
| 47TNC77 | 424,180 | 4,684,720 | 7.0 | 7.0 | 10.00 | .100 | 1,500 | N | N | N | N | N | N | N |
| 50TNC77 | 424,225 | 4,684,300 | 10.0 | 7.0 | 10.00 | .070 | 1,500 | N | N | N | N | 20 | N | N |
| 51TNC77 | 424,150 | 4,685,410 | 10.0 | 7.0 | 15.00 | .150 | 1,500 | N | N | N | N | 20 | N | N |
| 52TNC77 | 424,050 | 4,685,570 | 15.0 | 7.0 | 7.00 | .500 | 1,500 | N | N | N | N | N | N | N |
| 53TNC77 | 424,070 | 4,685,400 | 15.0 | 10.0 | 2.00 | .030 | 1,500 | N | N | N | N | N | N | N |
| 56TNC77 | 424,800 | 4,684,180 | 20.0 | 7.0 | 5.00 | .500 | 1,500 | N | N | N | N | 20 | N | N |
| 57TNC77 | 424,300 | 4,684,180 | 15.0 | 7.0 | 10.00 | .500 | 1,000 | N | N | N | N | 20 | N | N |
| 61TNC77 | 424,700 | 4,683,900 | >20.0 | .7 | .05 | 1.000 | 1,500 | N | N | N | N | 20 | N | N |
| 62TNC77 | 424,785 | 4,684,300 | 15.0 | 5.0 | 10.00 | .300 | 1,000 | N | N | N | N | 20 | N | N |
| 63TNC77 | 424,800 | 4,684,350 | >20.0 | 2.0 | 1.50 | .500 | 1,500 | N | N | N | N | 30 | N | N |
| 64TNC77 | 424,785 | 4,684,400 | 20.0 | 5.0 | 10.00 | .500 | 1,000 | N | N | N | N | <20 | N | N |
| 67TNC77 | 424,675 | 4,684,560 | 15.0 | 7.0 | 15.00 | .150 | 1,000 | N | N | N | N | <20 | N | N |
| 70TNC77 | 424,765 | 4,684,700 | 20.0 | 5.0 | 10.00 | .300 | 1,500 | N | N | N | N | 30 | N | N |
| 73TNC77 | 424,985 | 4,684,930 | 15.0 | 5.0 | 10.00 | .300 | 1,500 | N | N | N | N | 20 | N | N |
| 74TNC77 | 424,990 | 4,684,760 | 15.0 | 7.0 | 15.00 | .200 | 1,500 | N | N | N | N | 20 | N | N |
| 77TNC77 | 423,800 | 4,685,370 | 15.0 | 10.0 | .20 | .015 | 2,000 | N | N | N | 100 | N | N | N |
| 79TNC77 | 423,970 | 4,685,350 | 15.0 | 10.0 | 10.00 | .070 | 1,500 | N | N | N | 20 | N | N | N |
| 80TNC77 | 423,970 | 4,685,350 | 15.0 | 10.0 | 15.00 | .100 | 1,000 | N | N | N | N | N | N | N |
| 81TNC77 | 423,970 | 4,685,350 | 15.0 | 10.0 | .15 | .015 | 1,000 | N | N | N | N | N | N | N |
| 83TNC77 | 423,660 | 4,685,300 | 15.0 | 7.0 | 1.50 | .300 | 2,000 | N | N | N | N | 20 | N | N |
| 116TNC77 | 424,225 | 4,685,320 | 15.0 | 7.0 | 10.00 | .300 | 1,500 | N | N | N | N | 200 | N | N |
| 123CTNC7 | 424,190 | 4,685,850 | 10.0 | 10.0 | .20 | .020 | 1,000 | N | N | N | N | N | N | N |
| 663TNC77 | 424,675 | 4,684,520 | 20.0 | 5.0 | 10.00 | .300 | 1,000 | N | N | N | N | <20 | N | N |
| 2TNC77 | 424,930 | 4,683,930 | 15.0 | 7.0 | 10.00 | .200 | 1,500 | N | N | N | N | 20 | N | N |

Kalmiopsis Rock Analyses--continued

| Sample | S-CD | S-CO | S-CR | S-CU | S-LA | S-MO | S-NB | S-NI | S-PB | S-SB | S-SC | S-SN | S-SR | S-V |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 78KG046 | N | 50 | <50 | 100 | -- | N | -- | 30 | N | N | -- | N | -- | 300 |
| 78KG050 | N | 100 | 50 | 300 | -- | N | -- | 70 | N | N | -- | N | -- | 1,000 |
| 78KG042 | N | 150 | 5,000 | 20 | -- | N | -- | 2,000 | N | N | -- | N | -- | 70 |
| 78KD129A | N | 100 | 3,000 | 5 | -- | N | -- | 2,000 | N | N | -- | N | -- | 50 |
| 78KD129B | N | 150 | 5,000 | 7 | -- | N | -- | 3,000 | N | N | -- | N | -- | 70 |
| 78KD129C | N | 100 | >5,000 | 10 | -- | N | -- | 3,000 | N | N | -- | N | -- | 70 |
| 7TNC77 | N | 70 | 1,500 | 30 | -- | N | N | 150 | N | N | 100 | N | N | 300 |
| 9TNC77 | N | 200 | 500 | 700 | -- | N | N | 200 | N | N | 50 | N | N | 1,000 |
| 14TNC77 | N | 100 | 1,500 | 30 | -- | N | N | 150 | N | N | 100 | N | N | 300 |
| 16TNC77 | N | 20 | 200 | 1,500 | -- | N | N | 20 | N | N | 20 | N | 700 | 200 |
| 18TNC77 | N | 500 | 300 | 2,000 | -- | N | N | 1,000 | N | N | 10 | N | N | 20 |
| 19TNC77 | N | 70 | 1,500 | 30 | -- | N | N | 150 | N | N | 70 | N | <100 | 300 |
| 20TNC77 | N | 100 | 2,000 | 100 | -- | N | N | 500 | N | N | 15 | N | N | 30 |
| 21TNC77 | N | 100 | 2,000 | 150 | -- | N | N | 1,500 | N | N | 30 | N | N | 50 |
| 28TNC77 | N | 70 | 150 | 1,000 | -- | N | N | 50 | N | N | 50 | N | 300 | 700 |
| 34TNC77 | N | 70 | 1,500 | 50 | -- | N | N | 200 | N | N | 50 | N | N | 150 |
| 36TNC77 | N | 70 | 2,000 | 100 | -- | N | N | 200 | N | N | 50 | N | N | 200 |
| 37TNC77 | N | 50 | 1,000 | 15 | -- | N | N | 70 | N | N | 50 | N | <100 | 150 |
| 39TNC77 | N | 150 | 5,000 | N | -- | N | N | 1,500 | N | N | 7 | N | N | 20 |
| 44TNC77 | N | 70 | 2,000 | 50 | -- | N | N | 300 | N | N | 20 | N | N | 70 |
| 46TNC77 | N | 100 | 5,000 | 15 | -- | N | N | 1,500 | N | N | 10 | N | N | 30 |
| 47TNC77 | N | 70 | 2,000 | 30 | -- | N | N | 200 | N | N | 70 | N | N | 150 |
| 50TNC77 | N | 100 | 2,000 | 15 | -- | N | N | 200 | N | N | 70 | N | <100 | 200 |
| 51TNC77 | N | 70 | 3,000 | 30 | -- | N | N | 150 | N | N | 100 | N | N | 300 |
| 52TNC77 | N | 70 | 300 | 500 | -- | N | N | 50 | N | N | 100 | N | <100 | 1,000 |
| 53TNC77 | N | 150 | 500 | 50 | -- | N | N | 500 | N | N | 30 | N | N | 70 |
| 56TNC77 | N | 100 | 200 | 1,500 | -- | N | N | 150 | N | N | 70 | N | N | 3,000 |
| 57TNC77 | N | 100 | 150 | 1,500 | -- | N | N | 100 | N | N | 100 | N | 100 | 2,000 |
| 61TNC77 | N | 150 | 5,000 | 70 | -- | N | N | 150 | N | N | 15 | N | N | 5,000 |
| 62TNC77 | N | 70 | 70 | 1,000 | -- | N | N | 70 | N | N | 100 | N | <100 | 1,500 |
| 63TNC77 | N | 200 | 300 | 700 | -- | N | N | 200 | N | N | 50 | N | N | 5,000 |
| 64TNC77 | N | 100 | 500 | 500 | -- | N | N | 100 | N | N | 100 | N | N | 3,000 |
| 67TNC77 | N | 100 | 1,500 | 70 | -- | N | N | 150 | N | N | 100 | N | N | 200 |
| 70TNC77 | N | 100 | 150 | 500 | -- | N | N | 70 | N | N | 70 | N | 200 | 1,000 |
| 73TNC77 | N | 70 | 100 | 700 | -- | N | N | 70 | N | N | 100 | N | 100 | 1,000 |
| 74TNC77 | N | 70 | 2,000 | 20 | -- | N | N | 150 | N | N | 100 | N | N | 500 |
| 77TNC77 | N | 100 | 3,000 | <5 | -- | N | N | 1,000 | N | N | 10 | N | N | 50 |
| 79TNC77 | N | 100 | 3,000 | 70 | -- | N | N | 500 | N | N | 50 | N | N | 150 |
| 80TNC77 | N | 70 | 1,500 | 500 | -- | N | N | 150 | N | N | 70 | N | N | 200 |
| 81TNC77 | N | 150 | 5,000 | 200 | -- | N | N | 1,000 | N | N | 15 | N | N | 50 |
| 83TNC77 | N | 70 | 300 | 1,500 | -- | N | N | 150 | N | N | 50 | N | <100 | 700 |
| 116TNC77 | N | 100 | 150 | 1,000 | -- | N | N | 70 | N | N | 70 | N | 150 | 1,000 |
| 123CTNC7 | N | 100 | 5,000 | 7 | -- | N | N | 1,500 | N | N | 5 | N | N | 30 |
| 66BTNC77 | N | 100 | 500 | 500 | -- | N | N | 70 | N | N | 100 | N | N | 1,500 |
| 2TNC77 | N | 70 | 700 | 500 | -- | N | N | 70 | N | N | 70 | N | 300 | 300 |

Kalmiopsis Rock Analyses--continued

| Sample | S-W | S-Y | S-ZN | S-ZR | INST-HG | AS-PT | AS-PD | AS-RH | AS-RU | AS-IR | AS-AU |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 78KGJ46 | N | -- | N | -- | N | N | N | N | N | N | N |
| 78KG050 | N | -- | N | -- | N | N | N | N | N | N | N |
| 78KG042 | N | -- | N | -- | N | .015 | .005 | N | N | N | .001 |
| 78KD129A | N | -- | N | -- | N | N | .006 | N | N | N | .015 |
| 78KD129B | N | -- | N | -- | N | .020 | .010 | N | N | N | .020 |
| 78KD129C | N | -- | N | -- | N | .020 | .014 | N | N | N | .002 |
| 7TNC77 | N | -- | N | -- | -- | N | .003 | N | N | N | N |
| 9TNC77 | N | -- | N | -- | -- | N | .001 | N | N | N | .002 |
| 14TNC77 | N | -- | N | -- | -- | .005 | .010 | N | N | N | .002 |
| 16TNC77 | N | -- | N | -- | N | N | .005 | N | N | N | .010 |
| 18TNC77 | N | -- | N | -- | -- | .500 | 2.000 | .005 | N | N | .020 |
| 19TNC77 | N | -- | N | -- | -- | N | .002 | N | N | N | .020 |
| 20TNC77 | N | -- | N | -- | -- | 1.000 | .500 | .020 | N | N | .001 |
| 21TNC77 | N | -- | N | -- | <.02 | 2.000 | 1.000 | .010 | N | N | .002 |
| 28TNC77 | N | -- | N | -- | N | .010 | .100 | N | N | N | .300 |
| 34TNC77 | N | -- | N | -- | -- | .050 | .100 | N | N | N | .003 |
| 36TNC77 | N | -- | N | -- | N | .030 | .030 | N | N | N | .010 |
| 37TNC77 | N | -- | N | -- | -- | .020 | .030 | N | N | N | .001 |
| 39TNC77 | N | -- | N | -- | -- | N | N | N | N | N | N |
| 44TNC77 | N | -- | N | -- | -- | .100 | .050 | .010 | N | N | N |
| 46TNC77 | N | -- | N | -- | -- | N | .002 | N | N | N | N |
| 47TNC77 | N | -- | N | -- | -- | N | .010 | N | N | N | .010 |
| 50TNC77 | N | -- | N | -- | N | N | .005 | N | N | N | N |
| 51TNC77 | N | -- | N | -- | -- | .020 | .020 | N | N | N | N |
| 52TNC77 | N | -- | N | -- | -- | N | .002 | N | N | N | .005 |
| 53TNC77 | N | -- | N | -- | -- | .010 | .050 | N | N | N | N |
| 56TNC77 | N | -- | N | -- | N | N | .002 | N | N | N | .020 |
| 57TNC77 | N | -- | N | -- | -- | N | .001 | N | N | N | .010 |
| 61TNC77 | N | -- | N | -- | -- | N | .002 | N | N | N | .001 |
| 62TNC77 | N | -- | N | -- | N | N | N | N | N | N | .001 |
| 63TNC77 | N | -- | N | -- | -- | N | .004 | N | N | N | .010 |
| 64TNC77 | N | -- | N | -- | -- | .300 | .300 | .005 | N | N | .070 |
| 67TNC77 | N | -- | N | -- | -- | .005 | .007 | N | N | N | .070 |
| 70TNC77 | N | -- | N | -- | -- | N | .001 | N | N | N | .015 |
| 73TNC77 | N | -- | N | -- | -- | N | .001 | N | N | N | .015 |
| 74TNC77 | N | -- | N | -- | N | N | N | N | N | N | N |
| 77TNC77 | N | -- | N | -- | -- | .050 | .200 | N | N | N | N |
| 79TNC77 | N | -- | N | -- | N | .010 | .100 | N | N | N | .002 |
| 80TNC77 | N | -- | N | -- | -- | .070 | .200 | .002 | N | N | .020 |
| 81TNC77 | N | -- | N | -- | -- | .010 | .007 | N | N | N | .005 |
| 83TNC77 | N | -- | N | -- | -- | N | .010 | N | N | N | .002 |
| 116TNC77 | N | -- | N | -- | -- | .010 | .050 | N | N | N | .010 |
| 123CTNC7 | N | -- | N | -- | -- | N | N | N | N | N | N |
| 663TNC77 | N | -- | N | -- | N | .010 | .015 | N | N | N | .020 |
| 2TNC77 | N | -- | N | -- | -- | .050 | .100 | N | N | N | .030 |

Kalmiopsis Rock Analyses--continued

| Sample | X-COORD. | Y-COORD. | S-FE% | S-MG% | S-CA% | S-TI% | S-MN | S-AG | S-AS | S-AU | S-B | S-BA | S-BE | S-BI |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 40TNC77 | 424,350 | 4,684,600 | 15.0 | 7.0 | 10.00 | .200 | 1,000 | N | N | N | N | <20 | N | N |
| 59TNC77 | 424,700 | 4,683,900 | 15.0 | 10.0 | 10.00 | .070 | 1,000 | N | N | N | N | N | N | N |
| 93TNC77 | 424,910 | 4,684,570 | 20.0 | 10.0 | 5.00 | .200 | 1,500 | N | N | N | N | 20 | N | N |
| 94TNC77 | 425,050 | 4,684,620 | 20.0 | 10.0 | 5.00 | .300 | 3,000 | N | N | N | N | 70 | N | N |
| 103TNC77 | 424,780 | 4,686,650 | 10.0 | 10.0 | .50 | .015 | 1,000 | N | N | N | 20 | N | N | N |
| 123DTNC7 | 424,190 | 4,685,850 | 7.0 | 7.0 | 5.00 | .030 | 1,000 | N | N | N | N | N | N | N |
| 78KG114 | 426,384 | 4,686,470 | 15.0 | 1.0 | 7.00 | -- | 1,000 | 3.0 | N | N | <20 | <20 | N | N |
| 78KG119 | 425,493 | 4,686,280 | 10.0 | 3.0 | 10.00 | -- | 1,500 | N | N | N | 20 | <20 | N | N |
| 78KF112 | 431,600 | 4,687,500 | 10.0 | 3.0 | 5.00 | -- | 1,500 | N | N | N | 20 | 200 | N | N |
| 78KF131 | 432,843 | 4,688,160 | 10.0 | 3.0 | 5.00 | -- | 1,000 | N | N | N | <20 | 100 | N | N |
| 78KF147 | 432,583 | 4,688,730 | 10.0 | 3.0 | 7.00 | -- | 2,000 | N | N | N | 30 | 700 | N | N |
| 78KG159 | 413,068 | 4,690,960 | 15.0 | 3.0 | 5.00 | -- | 1,500 | N | N | N | 20 | 50 | N | N |
| 78KW027 | 429,698 | 4,690,000 | 15.0 | 5.0 | 7.00 | -- | 1,500 | N | N | N | 30 | 50 | N | N |
| 78KW034 | 429,000 | 4,693,010 | 15.0 | 3.0 | 7.00 | -- | 1,000 | .5 | N | N | 30 | 30 | N | N |
| 78KW037 | 430,055 | 4,693,140 | 15.0 | 2.0 | 5.00 | -- | 1,000 | .5 | N | N | 30 | 70 | N | N |
| 78KW038 | 430,055 | 4,693,140 | 15.0 | 2.0 | 5.00 | -- | 1,000 | 1.5 | N | N | 30 | 150 | N | N |
| 78KW041 | 431,650 | 4,692,000 | 15.0 | 3.0 | 7.00 | -- | 1,000 | N | N | N | 30 | 50 | N | N |
| 78KW043 | 431,800 | 4,691,950 | 10.0 | 3.0 | 5.00 | -- | 1,000 | N | N | N | 20 | 50 | N | N |
| 78KF040 | 425,410 | 4,664,560 | 7.0 | 7.0 | 1.50 | -- | 1,000 | N | N | N | <20 | <20 | N | N |
| 78KF042 | 425,875 | 4,664,450 | 5.0 | 7.0 | .50 | -- | 700 | N | N | N | 100 | N | N | N |
| 78KF046 | 424,954 | 4,663,730 | 5.0 | 7.0 | .20 | -- | 700 | N | N | N | 20 | N | N | N |
| 78KG175 | 424,125 | 4,635,000 | 7.0 | -- | -- | -- | 1,500 | N | N | N | <20 | 20 | N | N |
| 78KG176 | 417,150 | 4,680,800 | 5.0 | -- | -- | -- | 1,500 | N | N | N | N | 100 | N | N |
| 78KG180 | 424,225 | 4,685,350 | 7.0 | -- | -- | -- | 2,000 | N | N | N | <20 | 20 | N | N |
| 78KG181 | 424,300 | 4,685,600 | 10.0 | -- | -- | -- | 2,000 | N | N | N | <20 | 20 | N | N |
| 78KG184 | 424,150 | 4,685,900 | 7.0 | -- | -- | -- | 2,000 | N | N | N | <20 | 100 | N | N |
| 78KG187 | 424,650 | 4,686,150 | 7.0 | 5.0 | 7.00 | -- | 1,000 | N | N | N | 20 | N | N | N |
| 78KG191 | 429,000 | 4,686,550 | 7.0 | -- | -- | -- | 1,500 | N | N | N | <20 | 150 | N | N |
| 78KW002 | 413,904 | 4,688,540 | 7.0 | -- | -- | -- | 1,500 | N | N | N | <20 | 100 | N | N |
| 78KW004 | 414,052 | 4,689,230 | 7.0 | -- | -- | -- | 1,500 | <.5 | N | N | 50 | 150 | N | N |
| 78KL039 | 418,125 | 4,670,350 | 7.0 | 7.0 | .20 | -- | 700 | N | N | N | N | N | N | N |
| 78KP035 | 416,545 | 4,695,480 | 7.0 | -- | -- | -- | 2,000 | N | N | N | <20 | 100 | N | N |
| 78KJ035 | 411,600 | 4,698,850 | 7.0 | 7.0 | .15 | -- | 500 | N | N | N | 100 | N | N | N |
| 78KJ036 | 411,800 | 4,698,850 | 7.0 | 7.0 | .15 | -- | 700 | N | N | N | 100 | N | N | N |
| 78KS035 | 418,450 | 4,669,950 | 5.0 | 7.0 | .15 | -- | 700 | N | N | N | 20 | N | N | N |
| 78KF107 | 417,172 | 4,696,950 | 7.0 | 5.0 | 7.00 | -- | 1,000 | N | N | N | N | 20 | N | N |
| 78KL150 | 408,650 | 4,694,650 | 7.0 | 5.0 | 5.00 | -- | 1,500 | N | N | N | N | 100 | N | N |
| 78KG045 | 416,212 | 4,696,390 | 10.0 | -- | -- | -- | 1,000 | N | N | N | 20 | 150 | N | N |
| 78KG071 | 412,337 | 4,687,570 | 7.0 | -- | -- | -- | 1,500 | N | N | N | 20 | 200 | N | N |
| 78KG075 | 412,452 | 4,685,260 | 7.0 | -- | -- | -- | 2,000 | N | N | N | 20 | 150 | N | N |
| 78KG076 | 412,797 | 4,684,870 | 10.0 | -- | -- | -- | 2,000 | 1.0 | N | N | <20 | 100 | N | N |
| 78KGC78 | 412,943 | 4,684,420 | 7.0 | 7.0 | <.05 | -- | 300 | N | N | N | 50 | N | N | N |
| 78KG107 | 426,498 | 4,683,770 | 7.0 | -- | -- | -- | 2,000 | N | N | N | <20 | 100 | N | N |
| 78KG108 | 426,975 | 4,688,220 | 10.0 | -- | -- | -- | 1,500 | N | N | N | <20 | 150 | N | N |
| 78KG112 | 426,696 | 4,686,590 | 7.0 | -- | -- | -- | 2,000 | N | N | N | 20 | 150 | N | N |

Kalmiopsis Rock Analyses--continued

| Sample | S-CD | S-CO | S-CR | S-CU | S-LA | S-MO | S-NB | S-NI | S-PB | S-SB | S-SC | S-SN | S-SR | S-V |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 40TNC77 | N | 70 | 1,000 | 150 | -- | N | N | 100 | N | N | 70 | N | 300 | 300 |
| 59TNC77 | N | 70 | 5,000 | 30 | -- | N | N | 300 | N | N | 50 | N | <100 | 100 |
| 93TNC77 | N | 150 | 2,000 | 500 | -- | N | N | 300 | N | N | 70 | N | <100 | 700 |
| 94TNC77 | N | 150 | 300 | 500 | -- | N | N | 200 | N | N | 70 | N | N | 1,500 |
| 103TNC77 | N | 100 | >5,000 | 50 | -- | N | N | 2,000 | N | N | 10 | N | N | 50 |
| 123DTNC7 | N | 50 | 2,000 | 7 | -- | N | N | 300 | N | N | 30 | N | N | 100 |
| 79KG114 | N | 300 | N | 1,000 | -- | 50 | -- | 15 | <20 | N | -- | N | -- | 200 |
| 78KG119 | N | 50 | N | 150 | -- | N | -- | 10 | N | N | -- | N | -- | 200 |
| 78KF112 | N | 20 | 150 | 150 | -- | N | -- | 30 | N | N | -- | N | -- | 300 |
| 78KF131 | N | 50 | N | 500 | -- | N | -- | 15 | 30 | N | -- | N | -- | 200 |
| 78KF147 | N | 50 | N | 150 | -- | N | -- | 15 | N | N | -- | N | -- | 300 |
| 78KG159 | N | 50 | N | 500 | -- | N | -- | 30 | N | N | -- | N | -- | 500 |
| 78KW027 | N | 100 | 70 | 500 | -- | N | -- | 70 | N | N | 100 | N | -- | 500 |
| 78KW034 | N | 500 | 70 | 3,000 | -- | N | -- | 500 | N | N | -- | N | -- | 300 |
| 78KW037 | N | 30 | N | 300 | -- | N | -- | 20 | N | N | -- | N | -- | 100 |
| 78KW038 | N | 70 | N | 700 | -- | N | -- | 50 | N | N | -- | N | -- | 100 |
| 78KW041 | N | 100 | N | 1,500 | -- | N | -- | 30 | N | N | -- | N | -- | 200 |
| 78KW043 | N | 50 | <50 | 150 | -- | N | -- | 20 | N | N | -- | N | -- | 500 |
| 78KF040 | N | 150 | >5,000 | 20 | -- | N | -- | 3,000 | N | N | -- | N | -- | 100 |
| 78KF042 | N | 100 | >5,000 | 10 | -- | N | -- | 3,000 | N | N | -- | N | -- | 50 |
| 78KF046 | N | 100 | 5,000 | 5 | -- | N | -- | 5,000 | N | N | -- | N | -- | 30 |
| 78KG175 | N | 100 | 1,000 | 5 | -- | N | -- | 150 | N | N | -- | N | -- | 100 |
| 78KG176 | N | 50 | 1,000 | 50 | -- | N | -- | 100 | N | N | -- | N | -- | 150 |
| 78KG180 | N | 30 | 150 | 50 | -- | N | -- | 30 | N | N | -- | N | -- | 500 |
| 78KG181 | N | 70 | 300 | 70 | -- | N | -- | 70 | N | N | -- | N | -- | 200 |
| 78KG184 | N | 30 | <50 | 20 | -- | N | -- | 30 | N | N | -- | N | -- | 300 |
| 78KG187 | N | 70 | 3,000 | 150 | -- | N | -- | 300 | N | N | -- | N | -- | 200 |
| 79KG191 | N | 50 | 200 | <5 | -- | N | -- | 50 | N | N | -- | N | -- | 300 |
| 78KW002 | N | 30 | 300 | <5 | -- | N | -- | 70 | N | N | -- | N | -- | 200 |
| 78KW004 | N | 30 | N | 100 | -- | N | -- | 10 | N | N | -- | N | -- | 300 |
| 78KL039 | N | 100 | >5,000 | 7 | -- | N | -- | 3,000 | N | N | -- | N | -- | 50 |
| 78KP035 | N | 30 | N | 7 | -- | N | -- | <5 | N | N | -- | N | -- | 150 |
| 78KJ035 | N | 150 | >5,000 | 70 | -- | N | -- | 5,000 | N | N | -- | N | -- | 30 |
| 78KJ036 | N | 100 | 5,000 | 5 | -- | N | -- | 3,000 | N | N | -- | N | -- | 30 |
| 78KS035 | N | 100 | >5,000 | <5 | -- | N | -- | 1,500 | N | N | -- | N | -- | 30 |
| 79KF107 | N | 70 | 1,500 | 15 | -- | N | -- | 100 | N | N | -- | N | -- | 150 |
| 78KL150 | N | 50 | 1,500 | 20 | -- | N | -- | 200 | N | N | -- | N | -- | 150 |
| 79KG045 | N | 50 | 50 | 150 | -- | N | -- | 30 | N | N | -- | N | -- | 500 |
| 79KG071 | N | 30 | 100 | 100 | -- | N | -- | 30 | <20 | N | -- | N | -- | 300 |
| 78KG075 | N | 20 | N | 20 | -- | N | -- | <5 | N | N | -- | N | -- | 200 |
| 79KG076 | N | 30 | N | 150 | -- | N | -- | 10 | N | N | -- | N | -- | 500 |
| 78KG078 | N | 50 | 5,000 | <5 | -- | N | -- | 2,000 | N | N | -- | N | -- | 50 |
| 79KG107 | N | 30 | 50 | 100 | -- | N | -- | 15 | N | N | -- | N | -- | 200 |
| 79KG108 | N | 70 | 200 | 150 | -- | N | -- | 20 | N | N | -- | N | -- | 500 |
| 79KG112 | N | 50 | 200 | 100 | -- | N | -- | 30 | N | N | -- | N | -- | 200 |

Kalmiopsis Rock Analyses--continued

| Sample | S-W | S-Y | S-ZN | S-ZR | INST-HG | AS-PT | AS-PD | AS-RH | AS-RU | AS-IR | AS-AU |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 40TNC77 | N | -- | N | -- | -- | .020 | .050 | N | N | N | .002 |
| 59TNC77 | N | -- | N | -- | -- | .060 | .100 | N | N | N | N |
| 93TNC77 | N | -- | N | -- | -- | .050 | .050 | N | N | N | .015 |
| 94TNC77 | N | -- | N | -- | N | .005 | .007 | N | N | N | .015 |
| 103TNC77 | N | -- | N | -- | -- | N | .002 | N | N | N | N |
| 123DTNC7 | N | -- | N | -- | N | .030 | .005 | N | N | N | N |
| 78KG114 | N | -- | N | -- | .02 | .050 | .070 | N | N | N | .500 |
| 78KG119 | N | -- | N | -- | N | N | .001 | N | N | N | <.001 |
| 78KF112 | N | -- | N | -- | <.02 | .010 | .010 | N | N | N | <.001 |
| 78KF131 | N | -- | N | -- | N | N | N | N | N | N | <.001 |
| 78KF147 | N | -- | N | -- | .02 | N | N | N | N | N | <.001 |
| 78KG159 | N | -- | N | -- | <.02 | .010 | .020 | N | N | N | .050 |
| 78KW027 | N | -- | N | -- | N | .005 | .005 | N | N | N | .010 |
| 78KW034 | N | -- | N | -- | N | .060 | .200 | N | N | N | .040 |
| 78KW037 | N | -- | N | -- | .04 | .005 | .007 | N | N | N | .050 |
| 78KW038 | N | -- | N | -- | <.02 | .005 | .015 | N | N | N | .050 |
| 78KW041 | N | -- | N | -- | N | .010 | .015 | N | N | N | .050 |
| 78KW043 | N | -- | N | -- | N | .030 | .005 | N | N | N | <.001 |
| 78KF040 | N | -- | N | -- | -- | .040 | .010 | N | N | N | N |
| 78KF042 | N | -- | N | -- | -- | .010 | .010 | N | N | N | N |
| 78KF046 | N | -- | N | -- | -- | .010 | .010 | N | N | N | N |
| 78KG175 | N | -- | N | -- | -- | .050 | .070 | N | N | N | N |
| 78KG176 | N | -- | N | -- | N | .200 | .150 | N | N | N | .001 |
| 78KG180 | N | -- | N | -- | -- | N | .003 | N | N | N | N |
| 78KG181 | N | -- | N | -- | -- | N | .003 | N | N | N | N |
| 78KG184 | N | -- | N | -- | -- | N | .030 | N | N | N | N |
| 78KG187 | N | -- | N | -- | N | .500 | 3.000 | .020 | N | N | .020 |
| 78KG191 | N | -- | N | -- | -- | N | .015 | N | N | N | N |
| 78KW002 | N | -- | N | -- | -- | N | .005 | N | N | N | N |
| 78KW004 | N | -- | N | -- | -- | N | N | N | N | N | N |
| 78KL039 | N | -- | N | -- | -- | .040 | .040 | N | N | N | .004 |
| 78KP035 | N | -- | N | -- | -- | N | N | N | N | N | N |
| 78KJ035 | N | -- | N | -- | -- | .030 | .040 | N | N | N | .002 |
| 78KJ036 | N | -- | N | -- | -- | N | N | N | N | N | N |
| 78KS035 | N | -- | N | -- | -- | .040 | .200 | .010 | N | N | .002 |
| 78KF107 | N | -- | N | -- | -- | .020 | .020 | N | N | N | .010 |
| 79KL150 | N | -- | N | -- | -- | N | N | N | N | N | N |
| 78KG045 | N | -- | N | -- | -- | N | N | N | N | N | N |
| 78KG071 | N | -- | N | -- | -- | N | .002 | N | N | N | N |
| 78KG075 | N | -- | N | -- | -- | N | N | N | N | N | N |
| 78KG076 | N | -- | N | -- | N | N | N | N | N | N | N |
| 78KG078 | N | -- | N | -- | -- | .015 | .010 | .003 | N | N | N |
| 78KG107 | N | -- | N | -- | -- | N | .010 | N | N | N | N |
| 78KG108 | N | -- | N | -- | -- | N | .010 | N | N | N | N |
| 78KG112 | N | -- | N | -- | -- | .005 | .050 | N | N | N | .001 |

Kalmiopsis Rock Analyses--continued

| Sample | X-COORD. | Y-COORD. | S-FE% | S-MG% | S-CA% | S-TI% | S-MN | S-AG | S-AS | S-AU | S-B | S-BA | S-BE | S-BI |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 78KG114 | 426,384 | 4,686,470 | 15.0 | -- | -- | -- | 1,000 | 2.0 | N | N | <20 | 20 | N | N |
| 78KG115 | 426,223 | 4,686,540 | 7.0 | -- | -- | -- | 1,500 | <.5 | N | N | 50 | <20 | N | N |
| 78KG118 | 425,782 | 4,686,110 | 7.0 | -- | -- | -- | 700 | N | N | N | <20 | 30 | N | N |
| 78KG120 | 425,493 | 4,686,280 | 7.0 | 7.0 | <.05 | -- | 1,000 | N | N | N | <20 | N | N | N |
| 78KS082 | 429,727 | 4,696,960 | 10.0 | -- | -- | -- | 1,500 | <.5 | N | N | 50 | 200 | N | N |
| 78KS094 | 430,406 | 4,685,100 | 7.0 | -- | -- | -- | 1,000 | N | N | N | N | 300 | N | N |
| 78KS042 | 420,714 | 4,664,140 | 5.0 | -- | -- | -- | 700 | N | N | N | N | 70 | N | N |
| 78KS100 | 428,342 | 4,686,930 | 7.0 | -- | -- | -- | 1,500 | N | N | N | N | 50 | N | N |
| 78KS101 | 428,518 | 4,687,610 | 7.0 | -- | -- | -- | 700 | N | N | N | 50 | <20 | N | N |
| 78KS104 | 428,846 | 4,687,790 | 10.0 | -- | -- | -- | 1,500 | N | N | N | <20 | 30 | N | N |
| 78KS108 | 429,051 | 4,688,500 | 5.0 | -- | -- | -- | 1,000 | N | N | N | N | 70 | N | N |
| 78KL178 | 432,468 | 4,684,710 | 7.0 | 7.0 | .70 | -- | 1,000 | N | N | N | <20 | N | N | N |
| 78KL179 | 432,468 | 4,684,710 | 10.0 | 5.0 | <.05 | -- | 700 | N | N | N | N | N | N | N |
| 78KL180 | 432,468 | 4,684,710 | 7.0 | 5.0 | <.05 | -- | 500 | N | N | N | N | N | N | N |
| 78KL181 | 432,468 | 4,684,710 | 7.0 | 7.0 | .50 | -- | 700 | N | N | N | N | N | N | N |
| 78KL182 | 431,629 | 4,684,880 | 7.0 | 7.0 | 1.00 | -- | 700 | N | N | N | N | N | N | N |
| 78KL183A | 431,139 | 4,680,790 | 10.0 | 7.0 | .07 | -- | 500 | N | N | N | N | N | N | N |
| 78KL184 | 431,139 | 4,680,790 | 10.0 | 7.0 | .07 | -- | 700 | N | N | N | N | N | N | N |
| 78KL185 | 431,139 | 4,680,790 | 7.0 | 7.0 | .07 | -- | 700 | N | N | N | N | N | N | N |
| 78KL186 | 431,139 | 4,680,790 | 7.0 | 7.0 | <.05 | -- | 700 | N | N | N | N | N | N | N |
| 78KL187 | 430,945 | 4,680,610 | 7.0 | 7.0 | .20 | -- | 1,000 | N | N | N | <20 | <20 | N | N |
| 78KL188 | 430,563 | 4,680,200 | 7.0 | 7.0 | <.05 | -- | 700 | N | N | N | N | N | N | N |
| 78KL189 | 436,555 | 4,688,120 | 7.0 | 5.0 | <.05 | -- | 700 | N | N | N | N | N | N | N |
| 78KL190 | 436,555 | 4,688,120 | 7.0 | 7.0 | <.05 | -- | 500 | N | N | N | N | N | N | N |
| 78KL191 | 436,555 | 4,688,120 | 5.0 | 7.0 | .15 | -- | 700 | N | N | N | <20 | N | N | N |
| 78KL192 | 436,555 | 4,688,120 | 5.0 | 7.0 | .07 | -- | 500 | N | N | N | N | N | N | N |
| 78KL193 | 436,318 | 4,687,970 | 7.0 | 7.0 | .07 | -- | 500 | N | N | N | N | <20 | N | N |
| 78KL194 | 436,318 | 4,687,970 | 3.0 | 7.0 | .10 | -- | 300 | N | N | N | N | N | N | N |
| 78KL195 | 436,318 | 4,687,970 | 3.0 | 7.0 | .07 | -- | 300 | N | N | N | <20 | N | N | N |
| 78KL196 | 433,234 | 4,683,000 | 7.0 | 7.0 | <.05 | -- | 700 | N | N | N | N | N | N | N |
| 78KL197 | 433,234 | 4,683,000 | 7.0 | 7.0 | .15 | -- | 700 | N | N | N | N | N | N | N |
| 78KL198 | 433,234 | 4,683,000 | 7.0 | 7.0 | .10 | -- | 1,000 | N | N | N | N | N | N | N |
| 78KL199 | 433,234 | 4,683,000 | 7.0 | 7.0 | .30 | -- | 1,000 | N | N | N | N | N | N | N |
| 78KL200 | 433,404 | 4,683,110 | 5.0 | 7.0 | .30 | -- | 700 | N | N | N | N | N | N | N |
| 78KL201 | 433,765 | 4,683,270 | 7.0 | 7.0 | .20 | -- | 300 | N | N | N | N | N | N | N |
| 78KL203 | 430,937 | 4,682,690 | 7.0 | 7.0 | .30 | -- | 700 | N | N | N | N | N | N | N |
| 78KL204 | 431,033 | 4,682,520 | 7.0 | 7.0 | .20 | -- | 700 | N | N | N | N | N | N | N |
| 78KL208 | 433,050 | 4,682,140 | 7.0 | 7.0 | .15 | -- | 1,000 | N | N | N | N | N | N | N |
| 78KN049 | 412,355 | 4,688,170 | 5.0 | 7.0 | 7.00 | -- | 1,500 | N | N | N | 20 | N | N | N |
| 78KN067 | 425,625 | 4,691,450 | 5.0 | -- | -- | -- | 1,500 | N | N | N | 30 | 200 | N | N |
| 78KZ069 | 413,191 | 4,687,530 | 5.0 | -- | -- | -- | 1,500 | N | N | N | N | 2,000 | N | N |
| 78KZ070 | 413,191 | 4,687,580 | 7.0 | -- | -- | -- | 1,000 | N | N | N | 30 | 1,000 | N | N |
| 78KZ072 | 413,536 | 4,687,210 | 5.0 | 7.0 | .50 | -- | 700 | N | N | N | 50 | 150 | N | N |
| 78KP031 | 416,841 | 4,696,330 | 7.0 | -- | -- | -- | 1,500 | .5 | N | N | <20 | 150 | N | N |
| 78KP032 | 416,841 | 4,696,330 | 7.0 | -- | -- | -- | 1,500 | N | N | N | <20 | 150 | N | N |

Kalmiopsis Rock Analyses--continued

| Sample | S-CD | S-CO | S-CR | S-CU | S-LA | S-MO | S-NB | S-NI | S-PB | S-SB | S-SC | S-SN | S-SR | S-V |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 78KG114 | N | 200 | <50 | 1,500 | -- | <5 | -- | 20 | N | N | -- | N | -- | 500 |
| 78KG115 | N | 30 | 50 | 500 | -- | N | -- | 20 | N | N | -- | N | -- | 700 |
| 78KG118 | N | 50 | 100 | 30 | -- | N | -- | 30 | N | N | -- | N | -- | 700 |
| 78KG120 | N | 150 | >5,000 | <5 | -- | N | -- | 1,000 | N | N | -- | N | -- | 20 |
| 78KS032 | N | 100 | 70 | 500 | -- | 20 | -- | 50 | N | N | -- | N | -- | 300 |
| 78KS094 | N | 30 | 100 | 70 | -- | N | -- | 30 | N | N | -- | N | -- | 200 |
| 78KS042 | N | 30 | 150 | <5 | -- | N | -- | 30 | N | N | -- | N | -- | 200 |
| 78KS100 | N | 20 | 100 | 30 | -- | N | -- | 20 | N | N | -- | N | -- | 300 |
| 78KS101 | N | 150 | 500 | 300 | -- | N | -- | 500 | N | N | -- | N | -- | 50 |
| 78KS104 | N | 70 | 200 | 100 | -- | N | -- | 70 | N | N | -- | N | -- | 500 |
| 78KS108 | N | 30 | 1,000 | <5 | -- | N | -- | 70 | N | N | -- | N | -- | 300 |
| 78KL178 | N | 150 | 5,000 | 10 | -- | N | -- | 5,000 | N | N | -- | N | -- | 20 |
| 78KL179 | N | 200 | >5,000 | N | -- | N | -- | 1,000 | N | N | -- | N | -- | 500 |
| 78KL180 | N | 70 | 5,000 | 7 | -- | N | -- | 2,000 | N | N | -- | N | -- | 15 |
| 78KL181 | N | 70 | 5,000 | 7 | -- | N | -- | 2,000 | N | N | -- | N | -- | 30 |
| 78KL182 | N | 70 | 5,000 | 10 | -- | N | -- | 1,500 | N | N | -- | N | -- | 20 |
| 78KL183A | N | 200 | >5,000 | N | -- | N | -- | 1,500 | N | N | -- | N | -- | 150 |
| 78KL184 | N | 200 | >5,000 | N | -- | N | -- | 1,500 | N | N | -- | N | -- | 200 |
| 78KL185 | N | 100 | 5,000 | 15 | -- | N | -- | 1,500 | N | N | -- | N | -- | 15 |
| 78KL186 | N | 200 | >5,000 | 5 | -- | N | -- | 1,500 | N | N | -- | N | -- | 100 |
| 78KL187 | N | 150 | >5,000 | 7 | -- | N | -- | 1,500 | N | N | -- | N | -- | 100 |
| 78KL138 | N | 200 | >5,000 | N | -- | N | -- | 1,500 | N | N | -- | N | -- | 150 |
| 78KL189 | N | 200 | >5,000 | N | -- | N | -- | 700 | N | N | -- | N | -- | 200 |
| 78KL190 | N | 200 | >5,000 | N | -- | N | -- | 1,000 | N | N | -- | N | -- | 150 |
| 78KL191 | N | 70 | 5,000 | 10 | -- | N | -- | 1,500 | N | N | -- | N | -- | 30 |
| 78KL192 | N | 100 | 5,000 | <5 | -- | N | -- | 1,500 | N | N | -- | N | -- | 20 |
| 78KL193 | N | 150 | >5,000 | N | -- | N | -- | 700 | N | N | -- | N | -- | 300 |
| 78KL194 | N | 30 | >5,000 | 7 | -- | N | -- | 2,000 | N | N | -- | N | -- | 15 |
| 78KL195 | N | 100 | 5,000 | <5 | -- | N | -- | 1,500 | N | N | -- | N | -- | 20 |
| 78KL196 | N | 200 | >5,000 | 5 | -- | N | -- | 700 | N | N | -- | N | -- | 500 |
| 78KL197 | N | 100 | >5,000 | 10 | -- | N | -- | 2,000 | N | N | -- | N | -- | 50 |
| 78KL198 | N | 100 | >5,000 | 5 | -- | N | -- | 2,000 | N | N | -- | N | -- | 20 |
| 78KL199 | N | 100 | >5,000 | 10 | -- | N | -- | 3,000 | N | N | -- | N | -- | 30 |
| 78KL200 | N | 70 | >5,000 | 7 | -- | N | -- | 1,500 | N | N | -- | N | -- | 20 |
| 78KL201 | N | 200 | >5,000 | N | -- | N | -- | 1,500 | N | N | -- | N | -- | 150 |
| 78KL203 | N | 100 | >5,000 | 10 | -- | N | -- | 2,000 | N | N | -- | N | -- | 30 |
| 78KL204 | N | 100 | 5,000 | 7 | -- | N | -- | 3,000 | N | N | -- | N | -- | 30 |
| 78KL208 | N | 100 | >5,000 | 20 | -- | N | -- | 2,000 | N | N | -- | N | -- | 50 |
| 78KN049 | N | 70 | 1,500 | <5 | -- | N | -- | 100 | N | N | -- | N | -- | 100 |
| 78KN067 | N | 20 | <50 | 20 | -- | N | -- | 7 | N | N | -- | N | -- | 150 |
| 78KZ069 | N | 15 | N | 5 | -- | N | -- | 5 | N | N | -- | N | -- | 150 |
| 78KZ070 | N | 30 | <50 | 100 | -- | N | -- | 7 | N | N | -- | N | -- | 200 |
| 78KZ072 | N | 100 | 5,000 | 5 | -- | N | -- | 1,500 | N | N | -- | N | -- | 50 |
| 78KPC31 | N | 30 | <50 | 50 | -- | N | -- | 10 | N | N | -- | N | -- | 150 |
| 78KP032 | N | 50 | 300 | 100 | -- | N | -- | 70 | N | N | -- | N | -- | 300 |

Kalmiopsis Rock Analyses--continued

| Sample | S-W | S-Y | S-ZN | S-ZR | INST-HG | AS-PT | AS-PD | AS-RH | AS-RU | AS-IR | AS-AU |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 78KG114 | N | -- | N | -- | .04 | .020 | .200 | N | N | N | .100 |
| 78KG115 | N | -- | N | -- | <.02 | N | .007 | N | N | N | .030 |
| 78KG118 | N | -- | N | -- | -- | .010 | .015 | N | N | N | .001 |
| 78KG120 | N | -- | N | -- | -- | .010 | .004 | N | N | N | N |
| 78KS082 | N | -- | N | -- | N | N | .002 | N | N | N | .020 |
| 78KS094 | -- | -- | -- | -- | -- | N | .020 | N | N | N | .001 |
| 78KS042 | N | -- | N | -- | -- | N | .010 | N | N | N | N |
| 78KS100 | N | -- | N | -- | -- | N | .005 | N | N | N | N |
| 78KS101 | N | -- | N | -- | -- | .050 | .200 | N | N | N | N |
| 78KS104 | N | 100 | N | -- | -- | N | N | N | N | N | N |
| 78KS108 | N | -- | N | -- | -- | .015 | .010 | N | N | N | N |
| 78KL178 | N | -- | N | -- | -- | N | .010 | N | N | N | N |
| 78KL179 | N | -- | N | -- | -- | N | .004 | .010 | N | N | N |
| 78KL180 | N | -- | N | -- | -- | N | .004 | N | N | N | N |
| 78KL181 | N | -- | N | -- | -- | N | .006 | N | N | N | N |
| 78KL182 | N | -- | N | -- | N | N | .006 | N | N | N | N |
| 78KL183A | N | -- | N | -- | -- | .010 | .004 | .010 | N | N | N |
| 78KL184 | N | -- | N | -- | -- | .060 | .040 | N | N | N | N |
| 78KL185 | N | -- | N | -- | -- | .010 | .010 | N | N | N | N |
| 78KL186 | N | -- | N | -- | -- | N | N | N | N | N | N |
| 78KL187 | N | -- | N | -- | N | N | N | N | N | N | N |
| 78KL188 | N | -- | N | -- | -- | N | N | .004 | N | N | N |
| 78KL189 | N | -- | N | -- | -- | N | .003 | N | N | N | N |
| 78KL190 | N | -- | N | -- | -- | N | .002 | .006 | N | N | N |
| 78KL191 | N | -- | N | -- | -- | N | .002 | N | N | N | N |
| 78KL192 | N | -- | N | -- | N | N | N | N | N | N | N |
| 78KL193 | N | -- | N | -- | -- | N | N | .014 | N | N | N |
| 78KL194 | N | -- | N | -- | -- | N | .004 | N | N | N | N |
| 78KL195 | N | -- | N | -- | -- | N | .004 | N | N | N | N |
| 78KL196 | N | -- | N | -- | -- | N | .004 | .004 | N | N | .002 |
| 78KL197 | N | -- | N | -- | N | .010 | .010 | N | N | N | N |
| 78KL198 | N | -- | N | -- | -- | .040 | .030 | .004 | N | N | N |
| 78KL199 | N | -- | N | -- | -- | .020 | .020 | N | N | N | N |
| 78KL200 | N | -- | N | -- | -- | N | .004 | N | N | N | N |
| 78KL201 | N | -- | N | -- | -- | .100 | .020 | .040 | N | N | N |
| 78KL203 | N | -- | N | -- | -- | N | .004 | N | N | N | N |
| 78KL204 | N | -- | N | -- | -- | N | .004 | N | N | N | N |
| 78KL205 | N | -- | N | -- | -- | .040 | .004 | N | N | N | N |
| 78KN049 | N | -- | N | -- | N | .030 | .002 | N | N | N | N |
| 78KN067 | N | -- | N | -- | -- | N | N | N | N | N | N |
| 78KZ069 | N | -- | N | -- | -- | N | N | N | N | N | N |
| 78KZ070 | N | -- | N | -- | -- | N | .005 | N | N | N | N |
| 78KZ072 | N | -- | N | -- | -- | .040 | .010 | .004 | N | N | N |
| 78KP031 | N | -- | N | -- | N | N | N | N | N | N | N |
| 78KP032 | N | -- | N | -- | -- | .005 | .020 | N | N | N | N |

Kalmiopsis Rock Analyses--continued

| Sample | X-COORD. | Y-COORD. | S-FE% | S-MG% | S-CA% | S-TI% | S-MN | S-AG | S-AS | S-AU | S-B | S-BA | S-BE | S-BI |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 78KP033 | 416,601 | 4,695,920 | 10.0 | -- | -- | -- | 1,000 | 1.0 | N | N | <20 | 50 | N | N |
| 78KP034 | 416,601 | 4,695,920 | 10.0 | -- | -- | -- | 1,500 | .5 | N | N | <20 | 50 | N | N |
| 78KL212 | 421,977 | 4,654,730 | 5.0 | 7.0 | 1.00 | -- | 1,000 | N | N | N | N | 150 | N | N |
| 78KL213 | 421,525 | 4,654,270 | 7.0 | 7.0 | .10 | -- | 500 | N | N | N | 100 | 300 | N | N |
| 78KL209 | 422,555 | 4,654,730 | 5.0 | 7.0 | <.05 | -- | 500 | N | N | N | N | 150 | N | N |
| 78KZ059 | 413,059 | 4,688,200 | 7.0 | -- | -- | -- | 2,000 | N | N | N | 20 | 300 | N | N |
| 78KZ038 | 421,005 | 4,665,590 | 7.0 | -- | -- | -- | 1,500 | N | N | N | 20 | 300 | N | N |
| 78KP013 | 423,367 | 4,658,420 | 7.0 | 7.0 | .30 | -- | 1,000 | .5 | N | N | 100 | <20 | N | N |
| 78KC007 | 424,108 | 4,664,430 | 5.0 | 7.0 | .50 | -- | 1,000 | N | N | N | <20 | N | N | N |
| 78KC009B | 424,208 | 4,663,410 | 7.0 | 7.0 | .07 | -- | 1,000 | N | N | N | <20 | N | N | N |
| 78KC010 | 424,114 | 4,663,170 | 7.0 | 7.0 | .20 | -- | 1,000 | N | N | N | <20 | N | N | N |
| 78KC011 | 424,265 | 4,662,270 | 7.0 | 7.0 | .05 | -- | 700 | N | N | N | <20 | N | N | N |
| 78KL215 | 433,050 | 4,687,030 | 5.0 | 5.0 | .70 | -- | 500 | N | N | N | <20 | 200 | N | N |
| 78KL216 | 433,100 | 4,687,100 | 7.0 | 7.0 | .30 | -- | 1,000 | <.5 | N | N | N | N | N | N |
| 78KL217 | 434,076 | 4,687,710 | 7.0 | 7.0 | .15 | -- | 700 | N | N | N | N | N | N | N |
| 78KL218 | 435,045 | 4,687,870 | 7.0 | 7.0 | .07 | -- | 700 | N | N | N | N | N | N | N |
| 78KL219 | 435,363 | 4,687,910 | 7.0 | 7.0 | N | -- | 500 | N | N | N | N | N | N | N |
| 78KL220 | 435,701 | 4,687,630 | 7.0 | 7.0 | .15 | -- | 700 | N | N | N | N | N | N | N |
| 78KJ033 | 423,509 | 4,655,230 | 7.0 | 7.0 | 2.00 | -- | 1,500 | N | N | N | 30 | 50 | N | N |
| 78KP010 | 424,479 | 4,658,890 | .2 | -- | -- | -- | 70 | N | <200 | N | N | 50 | <5 | N |
| 78KP012 | 423,620 | 4,658,650 | 7.0 | 5.0 | 7.00 | -- | 1,500 | 2.0 | N | N | <20 | 20 | N | N |
| 78KG122 | 425,118 | 4,686,550 | 7.0 | 7.0 | 1.00 | -- | 1,000 | N | N | N | <20 | N | N | N |
| 78KG130 | 424,719 | 4,688,550 | 7.0 | -- | -- | -- | 2,000 | N | N | N | <20 | 20 | N | N |
| 78KG131 | 424,927 | 4,688,560 | 10.0 | -- | -- | -- | 1,500 | N | N | N | <20 | N | N | N |
| 78KG132 | 425,118 | 4,688,550 | 7.0 | -- | -- | -- | 1,500 | N | N | N | <20 | 150 | N | N |
| 78KL175 | 432,463 | 4,684,710 | 10.0 | 5.0 | <.05 | -- | 700 | N | N | N | N | N | N | N |
| 78KL176 | 432,463 | 4,684,710 | 7.0 | 7.0 | .20 | -- | 700 | N | N | N | <20 | N | N | N |
| 78KL177 | 432,475 | 4,684,600 | 7.0 | 7.0 | <.05 | -- | 700 | N | N | N | N | N | N | N |
| 78KG089 | 423,051 | 4,689,520 | 5.0 | -- | -- | -- | 700 | N | N | N | 30 | 500 | N | N |
| 78KL018 | 420,614 | 4,656,770 | 7.0 | -- | -- | -- | 1,500 | N | N | N | 20 | 50 | N | N |
| 78KC138 | 417,900 | 4,680,400 | 5.0 | 7.0 | .30 | -- | 700 | N | N | N | 70 | N | N | N |
| 78KN071 | 420,328 | 4,690,580 | 7.0 | -- | -- | -- | 1,000 | .5 | N | N | 150 | 1,000 | N | N |
| 78KN035 | 416,068 | 4,696,530 | 5.0 | 7.0 | <.05 | -- | 1,000 | N | N | N | N | N | N | N |
| 78KN037 | 416,795 | 4,696,890 | 5.0 | -- | -- | -- | 1,500 | N | N | N | N | N | N | N |
| 78KC102 | 406,840 | 4,693,660 | 7.0 | 7.0 | .07 | -- | 700 | N | N | N | 50 | N | N | N |
| 78KC103 | 406,622 | 4,691,880 | 7.0 | -- | -- | -- | 700 | .7 | N | N | 150 | 500 | N | N |
| 78KC105 | 436,549 | 4,688,120 | 7.0 | 7.0 | .30 | -- | 1,000 | N | N | N | 70 | N | N | N |
| 78KC106 | 407,240 | 4,693,510 | 7.0 | 7.0 | <.05 | -- | 1,500 | N | N | N | N | N | N | N |
| 78KC108 | 410,265 | 4,686,690 | 7.0 | 7.0 | .20 | -- | 700 | N | N | N | 100 | N | N | N |
| 78KC122 | 407,400 | 4,686,250 | 7.0 | 7.0 | .10 | -- | 1,000 | N | N | N | 150 | N | N | N |
| 78KL121 | 412,182 | 4,695,420 | 7.0 | 7.0 | .50 | -- | 700 | N | N | N | <20 | N | N | N |
| 78KL122 | 412,866 | 4,695,320 | 5.0 | 7.0 | .30 | -- | 700 | N | N | N | 30 | N | N | N |
| 78KL123 | 413,339 | 4,695,260 | 5.0 | -- | -- | -- | 1,000 | N | N | N | N | 150 | N | N |
| 78KL125 | 413,750 | 4,695,100 | 5.0 | 7.0 | .20 | -- | 700 | N | N | N | N | N | N | N |
| 78KL127 | 414,400 | 4,695,050 | 15.0 | 5.0 | 3.00 | -- | 500 | 1.5 | N | N | 20 | <20 | N | N |

Kalmiopsis Rock Analyses--continued

| Sample | S-CD | S-CO | S-CR | S-CU | S-LA | S-MO | S-NB | S-NI | S-PB | S-SB | S-SC | S-SN | S-SR | S-V |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 78KP033 | N | 30 | <50 | 500 | -- | N | -- | 7 | N | N | -- | N | -- | 150 |
| 78KP034 | N | 70 | N | 300 | -- | N | -- | 10 | N | N | -- | N | -- | 150 |
| 78KL212 | N | 100 | 5,000 | 20 | -- | N | -- | 1,500 | N | N | -- | N | -- | 70 |
| 78KL213 | N | 100 | 5,000 | 100 | -- | N | -- | 2,000 | N | N | -- | N | -- | 50 |
| 78KL209 | N | 100 | 1,500 | <5 | -- | N | -- | 2,000 | N | N | -- | N | -- | 15 |
| 78KZ059 | N | 20 | <50 | 30 | -- | N | -- | 5 | N | N | -- | N | -- | 200 |
| 78KZ038 | N | 70 | 100 | 15 | -- | N | -- | 50 | N | N | -- | N | -- | 300 |
| 78KP013 | N | 100 | 5,000 | 7 | -- | N | -- | 2,000 | N | N | -- | N | -- | 30 |
| 78KC007 | N | 70 | 5,000 | <5 | -- | N | -- | 2,000 | N | N | -- | N | -- | 50 |
| 78KC009B | N | 100 | >5,000 | <5 | -- | N | -- | 3,000 | N | N | -- | N | -- | 30 |
| 78KC010 | N | 100 | 5,000 | 20 | -- | N | -- | 3,000 | N | N | -- | N | -- | 30 |
| 78KC011 | N | 100 | 3,000 | 15 | -- | N | -- | 2,000 | N | N | -- | N | -- | 20 |
| 78KL215 | N | 50 | 1,500 | 10 | -- | N | -- | 1,500 | N | N | -- | N | -- | 70 |
| 78KL216 | N | 70 | 5,000 | N | -- | N | -- | 2,000 | N | N | -- | N | -- | 50 |
| 78KL217 | N | 100 | 5,000 | 5 | -- | N | -- | 3,000 | N | N | -- | N | -- | 30 |
| 78KL218 | N | 70 | 3,000 | 5 | -- | N | -- | 2,000 | N | N | -- | N | -- | 15 |
| 78KL219 | N | 100 | >5,000 | 5 | -- | N | -- | 5,000 | N | N | -- | N | -- | 70 |
| 78KL220 | N | 100 | 5,000 | 7 | -- | N | -- | 3,000 | N | N | -- | N | -- | 30 |
| 78KJ033 | N | 100 | 1,500 | 15 | -- | N | -- | 2,000 | N | N | -- | N | -- | 70 |
| 78KP010 | N | <5 | 70 | N | -- | N | -- | 15 | N | N | -- | N | -- | 10 |
| 78KP012 | N | 30 | 3,000 | 500 | -- | N | -- | 100 | N | N | -- | N | -- | 150 |
| 78KG122 | N | 50 | >5,000 | 10 | -- | N | -- | 1,500 | N | N | -- | N | -- | 30 |
| 78KG130 | N | 30 | 1,500 | 15 | -- | N | -- | 300 | N | N | -- | N | -- | 200 |
| 78KG131 | N | 30 | 50 | 150 | -- | N | -- | 15 | N | N | -- | N | -- | 200 |
| 78KG132 | N | 50 | 100 | N | -- | N | -- | 20 | N | N | -- | N | -- | 300 |
| 78KL175 | N | 150 | >5,000 | <5 | -- | N | -- | 1,000 | N | N | -- | N | -- | 300 |
| 78KL176 | N | 70 | 5,000 | 5 | -- | N | -- | 5,000 | N | N | -- | N | -- | 30 |
| 78KL177 | N | 150 | >5,000 | 7 | -- | N | -- | 5,000 | N | N | -- | N | -- | 300 |
| 78KG089 | N | 20 | 1,000 | 10 | -- | N | -- | 70 | 20 | N | -- | N | -- | 100 |
| 78KL018 | N | 50 | 70 | 70 | -- | N | -- | 70 | N | N | -- | N | -- | 300 |
| 78KC138 | N | 100 | >5,000 | 5 | -- | N | -- | 3,000 | N | N | -- | N | -- | 50 |
| 78KN071 | N | 15 | 5,000 | 30 | -- | N | -- | 70 | 30 | N | -- | N | -- | 150 |
| 78KN035 | N | 70 | 3,000 | 5 | -- | N | -- | 3,000 | N | N | -- | N | -- | 70 |
| 78KN037 | N | 30 | 1,500 | <5 | -- | N | -- | 70 | N | N | -- | N | -- | 150 |
| 78KC102 | N | 100 | 5,000 | <5 | -- | N | -- | 2,000 | N | N | -- | N | -- | 15 |
| 78KC103 | N | 10 | 300 | 30 | -- | 5 | -- | 70 | 30 | N | -- | N | -- | 150 |
| 78KC105 | N | 100 | >5,000 | 5 | -- | N | -- | 3,000 | N | N | -- | N | -- | 50 |
| 78KC106 | N | 100 | 5,000 | 5 | -- | N | -- | 3,000 | N | N | -- | N | -- | 20 |
| 78KC108 | N | 70 | 3,000 | <5 | -- | N | -- | 2,000 | N | N | -- | N | -- | 30 |
| 78KC122 | N | 100 | >5,000 | <5 | -- | N | -- | 5,000 | N | N | -- | N | -- | 20 |
| 78KL121 | N | 50 | >5,000 | 10 | -- | N | -- | 2,000 | N | N | -- | N | -- | 100 |
| 78KL122 | N | 50 | 5,000 | 15 | -- | N | -- | 2,000 | N | N | -- | N | -- | 50 |
| 78KL123 | N | 30 | 1,000 | 10 | -- | N | -- | 200 | N | N | -- | N | -- | 150 |
| 78KL125 | N | 70 | 2,000 | 50 | -- | N | -- | 2,000 | N | N | -- | N | -- | 30 |
| 78KL127 | N | 300 | 2,000 | 10,000 | -- | N | -- | 1,000 | N | N | -- | N | -- | 30 |

Kalmiopsis Rock Analyses--continued

| Sample | S-W | S-Y | S-ZN | S-ZR | INST-HG | AS-PT | AS-PD | AS-RH | AS-RU | AS-IR | AS-AU |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 78KP033 | N | -- | N | -- | .14 | N | .001 | N | N | N | .050 |
| 78KP034 | N | -- | N | -- | <.02 | N | N | N | N | N | .015 |
| 78KL212 | N | -- | N | -- | -- | .020 | .020 | N | N | N | .002 |
| 78KL213 | N | -- | N | -- | -- | .020 | .020 | N | N | N | .020 |
| 78KL209 | N | -- | N | -- | -- | .020 | .002 | .002 | N | N | N |
| 78KZ059 | N | -- | N | -- | -- | N | N | N | N | N | N |
| 78KZ038 | N | -- | N | -- | -- | N | N | N | N | N | N |
| 78KP013 | N | -- | N | -- | <.02 | N | .004 | N | N | N | N |
| 78KC007 | N | -- | N | -- | -- | N | .004 | N | N | N | N |
| 78KC009 | N | -- | N | -- | -- | .040 | N | N | N | N | .002 |
| 78KC010 | N | -- | N | -- | -- | .040 | .010 | N | N | N | N |
| 78KC011 | N | -- | N | -- | N | .020 | .002 | .002 | N | N | N |
| 78KL215 | N | -- | N | -- | -- | .005 | .002 | .002 | N | N | N |
| 78KL216 | N | -- | N | -- | N | .040 | N | N | N | N | N |
| 78KL217 | N | -- | N | -- | -- | .040 | .010 | N | N | N | N |
| 78KL218 | N | -- | N | -- | -- | .005 | N | N | N | N | N |
| 78KL219 | N | -- | N | -- | -- | .040 | N | .004 | N | N | N |
| 78KL220 | N | -- | N | -- | -- | .060 | .020 | .004 | N | N | N |
| 78KJ033 | N | -- | N | -- | N | .010 | .005 | N | N | N | .001 |
| 78KP010 | N | -- | N | -- | -- | N | .001 | N | N | N | N |
| 78KP012 | N | -- | N | -- | N | .030 | .020 | N | N | N | .005 |
| 78KG122 | N | -- | N | -- | -- | .040 | .002 | .004 | N | N | N |
| 78KG130 | N | -- | N | -- | -- | N | .003 | N | N | N | N |
| 78KG131 | N | -- | N | -- | -- | N | .005 | N | N | N | N |
| 78KG132 | N | -- | N | -- | <.02 | .015 | .010 | N | N | N | N |
| 78KL175 | N | -- | N | -- | -- | .030 | N | .004 | N | N | N |
| 78KL176 | N | -- | N | -- | -- | .040 | .004 | N | N | N | N |
| 78KL177 | N | -- | N | -- | -- | .020 | .014 | N | N | N | N |
| 78KG089 | N | -- | N | -- | N | N | .002 | N | N | N | .002 |
| 78KL018 | N | 100 | N | -- | -- | N | N | N | N | N | N |
| 78KC138 | N | -- | N | -- | -- | .060 | .010 | .006 | N | N | N |
| 78KN071 | N | -- | N | -- | -- | .015 | N | N | N | N | .005 |
| 78KN035 | N | -- | N | -- | -- | .030 | .005 | .002 | N | N | N |
| 78KN037 | N | -- | N | -- | -- | .050 | .050 | N | N | N | .002 |
| 78KC102 | N | -- | N | -- | -- | .007 | .005 | N | N | N | .002 |
| 78KC103 | N | -- | N | -- | .10 | N | .002 | N | N | N | .010 |
| 78KC105 | N | -- | N | -- | -- | .040 | .010 | .004 | N | N | N |
| 78KC106 | N | -- | N | -- | -- | .040 | .010 | N | N | N | N |
| 78KC108 | N | -- | N | -- | -- | .020 | .005 | N | N | N | N |
| 78KC122 | N | -- | N | -- | -- | .040 | .006 | .004 | N | N | N |
| 78KL121 | N | -- | N | -- | -- | .060 | .040 | .004 | N | N | N |
| 78KL122 | N | -- | N | -- | -- | .060 | .030 | N | N | N | N |
| 78KL123 | N | -- | N | -- | -- | .005 | .020 | N | N | N | N |
| 78KL125 | N | -- | N | -- | -- | .030 | .002 | N | N | N | .001 |
| 78KL127 | N | -- | N | -- | .04 | .020 | .010 | N | N | N | .014 |

Kalmiopsis Rock Analyses--continued

| Sample | X-COORD. | Y-COORD. | S-FE% | S-MG% | S-CA% | S-TI% | S-MN | S-AG | S-AS | S-AU | S-B | S-BA | S-BE | S-BI |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 78KL129 | 414,817 | 4,694,220 | 7.0 | 7.0 | 1.00 | -- | 700 | N | N | N | 100 | N | N | N |
| 78KL136 | 412,865 | 4,693,260 | 5.0 | -- | -- | -- | 1,000 | N | N | N | 30 | N | N | N |
| 78KG151 | 412,550 | 4,697,150 | 7.0 | 7.0 | .20 | -- | 1,000 | N | N | N | 20 | N | N | N |
| 78KW023 | 430,283 | 4,688,740 | 10.0 | -- | -- | -- | 2,000 | N | N | N | <20 | 100 | N | N |
| 78KW025 | 430,159 | 4,688,950 | 7.0 | -- | -- | -- | 1,000 | N | N | N | 150 | 2,000 | N | N |
| 78KW034 | 429,000 | 4,693,010 | 10.0 | -- | -- | -- | 1,500 | .7 | N | N | <20 | 30 | N | N |
| 78KW035 | 430,093 | 4,692,670 | 7.0 | -- | -- | -- | 1,500 | N | N | N | <20 | 50 | N | N |
| 78KW036 | 429,539 | 4,692,930 | 7.0 | -- | -- | -- | 2,000 | N | N | N | 20 | 100 | N | N |
| 78KW037 | 430,055 | 4,693,140 | 7.0 | -- | -- | -- | 1,500 | .7 | N | N | 30 | 30 | N | N |
| 78KW046 | 410,420 | 4,698,220 | 7.0 | -- | -- | -- | 2,000 | 1.0 | N | N | N | 150 | N | N |
| 78KW047 | 410,147 | 4,698,330 | 7.0 | -- | -- | -- | 1,500 | N | N | N | <20 | 150 | N | N |
| 78KW053 | 415,238 | 4,695,200 | 7.0 | 7.0 | 1.00 | -- | 700 | N | N | N | N | 20 | N | N |
| 78KW054 | 414,844 | 4,695,490 | 5.0 | 7.0 | .20 | -- | 700 | N | N | N | N | N | N | N |
| 78KW058 | 416,315 | 4,694,170 | 7.0 | -- | -- | -- | 1,500 | N | N | N | <20 | N | N | N |
| 78KG133 | 410,937 | 4,698,140 | 7.0 | 7.0 | .20 | -- | 1,000 | N | N | N | 50 | N | N | N |
| 78KG134 | 410,937 | 4,698,140 | 5.0 | 7.0 | 7.00 | -- | 1,500 | N | N | N | <20 | N | N | N |
| 78KL144 | 413,800 | 4,693,700 | 7.0 | 7.0 | 1.00 | -- | 700 | N | N | N | <20 | N | N | N |
| 78KC135 | 409,850 | 4,686,600 | 7.0 | 7.0 | .50 | -- | 700 | N | N | N | <20 | N | N | N |
| 78KL109 | 431,444 | 4,685,420 | 7.0 | 7.0 | <.05 | -- | 500 | 2.0 | N | N | 100 | N | N | N |
| 78KL110 | 431,444 | 4,685,420 | 7.0 | -- | -- | -- | 1,500 | N | N | N | <20 | N | N | N |
| 78KL111 | 431,487 | 4,685,560 | 7.0 | -- | -- | -- | 1,000 | N | N | N | <20 | 150 | N | N |
| 78KL113 | 431,550 | 4,685,550 | 10.0 | -- | -- | -- | 2,000 | N | N | N | <20 | 30 | N | N |
| 78KL114 | 431,550 | 4,685,550 | 7.0 | -- | -- | -- | 1,000 | N | N | N | <20 | 70 | N | N |
| 78KL115 | 431,550 | 4,685,550 | 7.0 | 7.0 | 5.00 | -- | 1,000 | N | N | N | <20 | N | N | N |
| 78KF096 | 417,873 | 4,699,210 | 2.0 | -- | -- | -- | 500 | N | N | N | N | 20 | N | N |
| 78KF098 | 417,808 | 4,699,020 | 10.0 | -- | -- | -- | 2,000 | N | N | N | <20 | 100 | N | N |
| 78KF099 | 417,808 | 4,699,020 | 10.0 | -- | -- | -- | 2,000 | N | N | N | 20 | 150 | N | N |
| 78KF095 | 417,841 | 4,699,370 | 5.0 | -- | -- | -- | 500 | N | N | N | 20 | 1,000 | N | N |
| 78KZ012 | 421,982 | 4,665,600 | 7.0 | 7.0 | <.05 | -- | 700 | N | N | N | 20 | N | N | N |
| 78KZ016 | 421,984 | 4,664,750 | 7.0 | 7.0 | 5.00 | -- | 2,000 | N | N | N | <20 | N | N | N |
| 78KS036 | 418,450 | 4,669,950 | 7.0 | 7.0 | <.05 | -- | 1,000 | N | N | N | 50 | 150 | N | N |
| 78KS037 | 418,450 | 4,669,950 | 7.0 | 7.0 | .50 | -- | 1,000 | N | N | N | 100 | 300 | N | N |
| 78KZ027 | 418,948 | 4,669,410 | 5.0 | 7.0 | .30 | -- | 1,000 | N | N | N | <20 | N | N | N |
| 78KZ028 | 418,942 | 4,669,100 | 10.0 | 10.0 | .05 | -- | 700 | N | N | N | N | 150 | N | N |
| 78KS044 | 418,453 | 4,667,730 | 7.0 | 2.0 | 1.50 | -- | 1,500 | N | N | N | 30 | 1,000 | N | N |
| 78KN031 | 414,096 | 4,698,010 | 5.0 | 7.0 | <.05 | -- | 500 | N | N | N | 100 | <20 | N | N |
| 78KZ076 | 414,504 | 4,683,460 | 10.0 | -- | -- | -- | 1,500 | N | N | N | <20 | 50 | N | N |
| 78KG067 | 414,500 | 4,689,450 | 5.0 | 7.0 | <.05 | -- | 700 | N | N | N | 50 | N | N | N |
| 78KG068 | 414,500 | 4,686,450 | 5.0 | -- | -- | -- | 1,000 | N | N | N | <20 | 300 | N | N |
| 78KG069 | 414,500 | 4,686,450 | 5.0 | -- | -- | -- | 1,500 | N | N | N | N | 70 | N | N |
| 78KP030 | 417,794 | 4,656,050 | 7.0 | 7.0 | 1.00 | -- | 700 | N | N | N | 200 | N | N | N |
| 78KS038 | 433,825 | 4,666,810 | 7.0 | 7.0 | 1.00 | -- | 500 | N | N | N | 100 | N | N | N |
| 78KC084 | 429,877 | 4,687,090 | 7.0 | -- | -- | -- | 1,500 | N | N | N | <20 | 150 | N | N |
| 78KC083 | 430,478 | 4,686,650 | 7.0 | 5.0 | 5.00 | -- | 2,000 | N | N | N | <20 | 50 | N | N |
| 78KW008 | 430,831 | 4,685,890 | 7.0 | -- | -- | -- | 2,000 | N | N | N | <20 | 150 | N | N |

Kalmiopsis Rock Analyses--continued

| Sample | S-CD | S-CO | S-CR | S-CU | S-LA | S-MO | S-NB | S-NI | S-PB | S-SB | S-SC | S-SN | S-SR | S-V |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 78KL129 | N | 70 | 5,000 | 7 | -- | N | -- | 1,500 | N | N | -- | N | -- | 30 |
| 78KL136 | N | 20 | 200 | N | -- | N | -- | 15 | N | N | -- | N | -- | 200 |
| 78KG151 | N | 70 | >5,000 | 5 | -- | N | -- | 2,000 | N | N | -- | N | -- | 50 |
| 78KW023 | N | 50 | 50 | 150 | -- | N | -- | 10 | N | N | -- | N | -- | 300 |
| 78KW025 | N | 30 | 150 | 70 | -- | N | -- | 70 | 30 | N | -- | N | -- | 150 |
| 78KW034 | N | 200 | 70 | 3,000 | -- | N | -- | 200 | N | N | -- | N | -- | 200 |
| 78KW035 | N | 50 | N | 200 | -- | N | -- | 20 | N | N | -- | N | -- | 500 |
| 78KW036 | N | 50 | N | 150 | -- | N | -- | 7 | N | N | -- | N | -- | 700 |
| 78KW037 | N | 20 | <50 | 200 | -- | N | -- | 15 | N | N | -- | N | -- | 100 |
| 78KW046 | N | 30 | 100 | 1,500 | -- | N | -- | 30 | N | N | -- | N | -- | 300 |
| 78KW047 | N | 50 | 1,500 | 20 | -- | N | -- | 200 | N | N | -- | N | -- | 300 |
| 78KW053 | N | 100 | >5,000 | 10 | -- | N | -- | 2,000 | N | N | -- | N | -- | 70 |
| 78KW054 | N | 100 | 5,000 | 5 | -- | N | -- | 2,000 | N | N | -- | N | -- | 30 |
| 78KW058 | N | 50 | 1,000 | 200 | -- | N | -- | 300 | N | N | -- | N | -- | 150 |
| 78KG133 | N | 70 | 2,000 | <5 | -- | N | -- | 2,000 | N | N | -- | N | -- | 30 |
| 78KG134 | N | 30 | 1,500 | 500 | -- | N | -- | 1,000 | N | N | -- | N | -- | 200 |
| 78KL144 | N | 100 | 2,000 | 10 | -- | N | -- | 2,000 | N | N | -- | N | -- | 50 |
| 78KC135 | N | 70 | 1,500 | 30 | -- | N | -- | 1,500 | N | N | -- | N | -- | 50 |
| 78KL109 | N | 100 | >5,000 | 5 | -- | N | -- | 1,500 | N | N | -- | N | -- | 30 |
| 78KL110 | N | 50 | 1,500 | 5 | -- | N | -- | 150 | N | N | -- | N | -- | 150 |
| 78KL111 | N | 50 | 1,000 | 5 | -- | N | -- | 200 | N | N | -- | N | -- | 150 |
| 78KL113 | N | 70 | 50 | 100 | -- | N | -- | 70 | N | N | -- | N | -- | 500 |
| 78KL114 | N | 50 | 500 | 15 | -- | N | -- | 70 | N | N | -- | N | -- | 200 |
| 78KL115 | N | 100 | >5,000 | <5 | -- | N | -- | 1,000 | N | N | -- | N | -- | 100 |
| 78KF096 | N | 10 | N | 7 | -- | N | -- | 5 | N | N | -- | N | -- | 30 |
| 78KF098 | N | 30 | <50 | 100 | -- | N | -- | 10 | N | N | -- | N | -- | 500 |
| 78KF099 | N | 50 | N | 150 | -- | N | -- | 5 | N | N | -- | N | -- | 500 |
| 78KF095 | N | 20 | 150 | 20 | -- | N | -- | 30 | 20 | N | -- | N | -- | 150 |
| 78KZ012 | N | 70 | 3,000 | 10 | -- | N | -- | 1,500 | N | N | -- | N | -- | 50 |
| 78KZ016 | N | 70 | 5,000 | 7 | -- | N | -- | 1,000 | N | N | -- | N | -- | 100 |
| 78KS036 | N | 70 | 5,000 | <5 | -- | N | -- | 1,500 | N | N | -- | N | -- | 30 |
| 78KS037 | N | 100 | >5,000 | 10 | -- | N | -- | 2,000 | N | N | -- | N | -- | 50 |
| 78KZ027 | N | 100 | >5,000 | 5 | -- | N | -- | 2,000 | N | N | -- | N | -- | 30 |
| 78KZ028 | N | 150 | >5,000 | <5 | -- | N | -- | 1,500 | N | N | -- | N | -- | 200 |
| 78KS044 | N | 20 | 5,000 | 20 | -- | N | -- | 150 | 20 | N | -- | N | -- | 150 |
| 78KN031 | N | 50 | 5,000 | 5 | -- | N | -- | 1,500 | N | N | -- | N | -- | 30 |
| 78KZ076 | N | 30 | N | 20 | -- | N | -- | <5 | N | N | -- | N | -- | 200 |
| 78KG067 | N | 70 | 5,000 | 5 | -- | N | -- | 1,500 | N | N | -- | N | -- | 30 |
| 78KG068 | N | 30 | 300 | 30 | -- | N | -- | 50 | N | N | -- | N | -- | 200 |
| 78KG069 | N | 20 | 150 | <5 | -- | N | -- | 30 | N | N | -- | N | -- | 150 |
| 78KP030 | N | 100 | 5,000 | 10 | -- | N | -- | 1,500 | N | N | -- | N | -- | 30 |
| 78KS023B | N | 150 | 5,000 | 15 | -- | N | -- | 2,000 | N | N | -- | N | -- | 30 |
| 78KC084 | N | 30 | <50 | 70 | -- | N | -- | 7 | N | N | -- | N | -- | 300 |
| 78KC083 | N | 50 | 3,000 | 150 | -- | N | -- | 100 | N | N | -- | N | -- | 200 |
| 78KW008 | N | 50 | <50 | 20 | -- | N | -- | 10 | N | N | -- | N | -- | 300 |

Kalmiopsis Rock Analyses--continued

| Sample | S-W | S-Y | S-ZN | S-ZR | INST-HG | AS-PT | AS-PD | AS-RH | AS-RU | AS-IR | AS-AU |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 78KL129 | N | -- | N | -- | -- | .020 | .004 | N | N | N | N |
| 78KL136 | N | -- | N | -- | -- | N | N | N | N | N | N |
| 78KG151 | N | -- | N | -- | -- | .020 | .010 | N | N | N | N |
| 78KW023 | N | -- | 200 | -- | N | N | .001 | N | N | N | N |
| 78KW025 | N | -- | N | -- | -- | N | .002 | N | N | N | .002 |
| 78KW034 | N | -- | 200 | -- | N | .020 | .200 | N | N | N | .015 |
| 78KW035 | N | -- | <200 | -- | -- | N | .010 | N | N | N | .002 |
| 78KW036 | N | -- | <200 | -- | -- | N | .020 | N | N | N | .005 |
| 78KW037 | N | -- | N | -- | N | N | .015 | N | N | N | .015 |
| 78KW046 | N | -- | <200 | -- | N | N | .007 | N | N | N | N |
| 78KW047 | N | -- | <200 | -- | -- | N | .010 | N | N | N | N |
| 78KW053 | N | -- | N | -- | -- | .020 | .010 | N | N | N | N |
| 78KW054 | N | -- | N | -- | -- | .015 | .010 | N | N | N | N |
| 78KW058 | N | -- | N | -- | -- | N | .010 | N | N | N | .010 |
| 78KG133 | N | -- | N | -- | -- | N | .002 | N | N | N | N |
| 78KG134 | N | -- | N | -- | N | N | .020 | N | N | N | .020 |
| 78KL144 | N | -- | N | -- | -- | .015 | .007 | N | N | N | N |
| 78KC135 | N | -- | N | -- | -- | .015 | .007 | N | N | N | N |
| 78KL109 | N | -- | N | -- | N | N | .007 | N | N | N | N |
| 78KL110 | N | -- | N | -- | -- | .010 | .030 | N | N | N | N |
| 78KL111 | N | -- | N | -- | -- | N | .002 | N | N | N | N |
| 78KL113 | N | -- | N | -- | -- | N | .010 | N | N | N | N |
| 78KL114 | N | -- | N | -- | N | .010 | .015 | N | N | N | .001 |
| 78KL115 | N | -- | N | -- | -- | N | N | N | N | N | N |
| 78KF096 | N | -- | N | -- | N | .005 | .015 | N | N | N | N |
| 78KF098 | N | -- | <200 | -- | -- | N | .002 | N | N | N | .001 |
| 78KF099 | N | -- | <200 | -- | -- | N | .001 | N | N | N | N |
| 78KF095 | N | -- | N | -- | -- | .010 | .007 | N | N | N | N |
| 78KZ012 | N | -- | N | -- | -- | N | .001 | N | N | N | N |
| 78KZ016 | N | -- | N | -- | -- | N | N | N | N | N | N |
| 78KS036 | N | -- | N | -- | N | N | .005 | N | N | N | N |
| 78KS037 | N | -- | N | -- | -- | .020 | .010 | N | N | N | N |
| 78KZ027 | N | -- | N | -- | -- | N | .002 | N | N | N | N |
| 78KZ028 | N | -- | N | -- | -- | .100 | .020 | .007 | N | N | N |
| 78KS044 | N | -- | N | -- | -- | .020 | .005 | N | N | N | N |
| 78KN031 | N | -- | N | -- | N | N | .015 | N | N | N | N |
| 78KZ076 | N | -- | N | -- | -- | N | N | N | N | N | N |
| 78KG067 | N | -- | N | -- | -- | N | .007 | N | N | N | N |
| 78KC068 | N | -- | N | -- | -- | N | .005 | N | N | N | N |
| 78KG069 | N | -- | N | -- | N | N | .005 | N | N | N | N |
| 78KP030 | N | -- | N | -- | -- | .010 | .010 | N | N | N | N |
| 78KS038 | N | -- | N | -- | -- | .030 | .030 | N | N | N | .002 |
| 78KC084 | N | -- | N | -- | -- | N | .001 | N | N | N | .002 |
| 78KC063 | N | -- | N | -- | N | .007 | .020 | N | N | N | .005 |
| 78KW098 | N | -- | N | -- | -- | N | .002 | N | N | N | N |

Kalmiopsis Rock Analyses--continued

| Sample | X-COORD. | Y-COORD. | S-FE% | S-MG% | S-CA% | S-TI% | S-MN | S-AG | S-AS | S-AU | S-B | S-BA | S-BE | S-BI |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 78KW005 | 430,910 | 4,685,280 | 5.0 | 10.0 | 1.00 | -- | 1,000 | N | N | N | N | N | N | N |
| 78KF109 | 430,884 | 4,687,920 | 7.0 | -- | -- | -- | 1,500 | N | N | N | 30 | 300 | N | N |
| 78KL074 | 407,642 | 4,694,630 | 5.0 | 10.0 | .50 | -- | 700 | N | N | N | 20 | N | N | N |
| 78KL071 | 408,779 | 4,694,590 | 7.0 | 7.0 | .50 | -- | 700 | N | N | N | 70 | N | N | N |
| 78KL069 | 409,127 | 4,694,580 | 7.0 | 7.0 | <.05 | -- | 700 | N | N | N | 50 | N | N | N |
| 78KL066 | 409,750 | 4,694,550 | 5.0 | 7.0 | 5.00 | -- | 1,000 | N | N | N | 30 | 30 | N | N |
| 78KG073 | 411,275 | 4,687,000 | 7.0 | 7.0 | <.05 | -- | 500 | N | N | N | 20 | N | N | N |
| 78KG074 | 411,275 | 4,687,000 | 5.0 | -- | -- | -- | 1,000 | N | N | N | 20 | 300 | N | N |
| 78KN028 | 412,542 | 4,698,540 | 7.0 | 7.0 | .70 | -- | 700 | N | N | N | <20 | N | N | N |
| 78KN046 | 412,600 | 4,689,290 | 7.0 | -- | -- | -- | 1,500 | N | N | N | <20 | 200 | N | N |
| 78KP039 | 412,353 | 4,688,360 | 5.0 | -- | -- | -- | 1,500 | N | N | N | 20 | 200 | N | N |
| 78KZ056 | 412,910 | 4,687,910 | 7.0 | -- | -- | -- | 2,000 | N | N | N | N | <20 | N | N |
| 78KZ058 | 412,910 | 4,687,910 | 10.0 | -- | -- | -- | 1,500 | N | N | N | <20 | 100 | N | N |
| 78KG070 | 412,337 | 4,687,570 | 3.0 | -- | -- | -- | 1,000 | N | N | N | 30 | 1,500 | N | N |
| 78KF018 | 421,970 | 4,662,560 | 5.0 | 5.0 | 5.00 | -- | 1,000 | N | N | N | <20 | N | N | N |
| 78KP017 | 421,980 | 4,659,340 | 5.0 | 7.0 | .50 | -- | 700 | N | N | N | N | 100 | N | N |
| 78KL004 | 421,761 | 4,655,950 | 7.0 | 10.0 | .30 | -- | 700 | N | N | N | N | 300 | N | N |
| 78KL005A | 421,096 | 4,654,700 | 10.0 | 7.0 | <.05 | -- | 500 | N | N | N | N | N | N | N |
| 78KG015B | 421,872 | 4,663,570 | 7.0 | 7.0 | 7.00 | -- | 1,000 | N | N | N | N | 700 | N | N |
| 78KS041 | 420,432 | 4,667,780 | 7.0 | 7.0 | 2.00 | -- | 1,000 | N | N | N | 30 | N | N | N |
| 78KS039 | 420,960 | 4,666,960 | 7.0 | -- | -- | -- | 1,500 | N | N | N | <20 | 300 | N | N |
| 78KG014 | 422,054 | 4,664,220 | 7.0 | 7.0 | .30 | -- | 1,000 | N | N | N | N | 150 | N | N |
| 78KN004 | 422,326 | 4,662,190 | 7.0 | 7.0 | .70 | -- | 1,000 | N | N | N | <20 | 100 | N | N |
| 78KP015 | 422,918 | 4,660,490 | 7.0 | 7.0 | <.05 | -- | 700 | N | N | N | 20 | N | N | N |
| 78KF055 | 423,190 | 4,663,180 | 7.0 | 7.0 | .50 | -- | 700 | N | N | N | 20 | 700 | N | N |
| 78KF057 | 423,894 | 4,662,460 | 7.0 | 7.0 | .50 | -- | 700 | N | N | N | <20 | 150 | N | N |
| 78KF100 | 417,803 | 4,693,610 | 3.0 | -- | -- | -- | 1,000 | N | N | N | <20 | 200 | N | N |
| 78KF101 | 417,050 | 4,693,600 | 7.0 | -- | -- | -- | 2,000 | N | N | N | <20 | 200 | N | N |
| 78KL103 | 426,328 | 4,691,870 | 7.0 | -- | -- | -- | 1,500 | N | N | N | N | N | N | N |
| 78KG047 | 424,001 | 4,692,600 | 7.0 | 5.0 | 7.00 | -- | 1,000 | 1.0 | N | N | <20 | 50 | N | N |
| 78KF108 | 430,464 | 4,688,500 | 7.0 | -- | -- | -- | 1,500 | N | N | N | N | 150 | N | N |
| 78KC086 | 428,206 | 4,689,670 | 10.0 | -- | -- | -- | 1,000 | N | N | N | <20 | 300 | N | N |
| 78KS091 | 426,996 | 4,696,940 | 5.0 | -- | -- | -- | 700 | N | N | N | N | 700 | N | N |
| 78KS086 | 429,650 | 4,696,950 | 5.0 | -- | -- | -- | 150 | N | N | N | N | 700 | N | N |
| 78KS085 | 429,587 | 4,696,970 | 5.0 | -- | -- | -- | 1,000 | N | N | N | N | 200 | N | N |
| 78KS078 | 429,727 | 4,696,960 | 10.0 | -- | -- | -- | 1,500 | N | N | N | 20 | 700 | N | N |
| 78KC042 | 432,111 | 4,695,960 | 5.0 | -- | -- | -- | 700 | N | N | N | N | 700 | N | N |
| 78KC043 | 431,890 | 4,695,620 | 5.0 | -- | -- | -- | 700 | N | N | N | N | 200 | N | N |
| 78KC044 | 431,610 | 4,695,420 | 7.0 | -- | -- | -- | 1,000 | N | N | N | N | 50 | N | N |
| 78KF062 | 430,094 | 4,694,990 | 10.0 | -- | -- | -- | 2,000 | N | N | N | N | 700 | N | N |
| 78KF063 | 430,094 | 4,694,990 | 10.0 | -- | -- | -- | 2,000 | N | N | N | 20 | 300 | N | N |
| 78KG092 | 423,523 | 4,688,780 | 7.0 | 5.0 | 2.00 | -- | 1,000 | N | N | N | 150 | 300 | N | N |
| 78KC036 | 428,957 | 4,695,550 | 5.0 | -- | -- | -- | 1,000 | N | N | N | N | 300 | N | N |
| 78KL084 | 431,077 | 4,694,370 | 7.0 | -- | -- | -- | 1,500 | 1.0 | N | N | <20 | 100 | N | N |
| 78KS070 | 432,649 | 4,694,260 | 10.0 | -- | -- | -- | 1,500 | N | N | N | <20 | 30 | N | N |

Kalmiopsis Rock Analyses--continued

| Sample | S-CD | S-CO | S-CR | S-CU | S-LA | S-MO | S-NB | S-NI | S-PB | S-SB | S-SC | S-SN | S-SR | S-V |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 78KW005 | N | 70 | 5,000 | 5 | -- | N | -- | 1,500 | N | N | -- | N | -- | 50 |
| 78KF109 | N | 30 | <50 | 30 | -- | N | -- | 7 | <20 | N | -- | N | -- | 150 |
| 78KL074 | N | 100 | >5,000 | 15 | -- | N | -- | 3,000 | N | N | -- | N | -- | 50 |
| 78KL071 | N | 100 | 5,000 | 10 | -- | N | -- | 1,500 | N | N | -- | N | -- | 30 |
| 78KL069 | N | 100 | >5,000 | 7 | -- | N | -- | 3,000 | N | N | -- | N | -- | 50 |
| 78KL066 | N | 50 | 1,500 | <5 | -- | N | -- | 1,000 | N | N | -- | N | -- | 30 |
| 78KG073 | N | 70 | 5,000 | N | -- | N | -- | 3,000 | N | N | -- | N | -- | 300 |
| 78KG074 | N | 30 | 50 | 50 | -- | N | -- | 50 | N | N | -- | N | -- | 200 |
| 78KN028 | N | 70 | 5,000 | 15 | -- | N | -- | 2,000 | N | N | -- | N | -- | 70 |
| 78KN046 | N | 30 | N | 10 | -- | N | -- | 20 | N | N | -- | N | -- | 500 |
| 78KP039 | N | 30 | 1,000 | 70 | -- | N | -- | 150 | N | N | -- | N | -- | 200 |
| 78KZ056 | N | 20 | N | 15 | -- | N | -- | <5 | N | N | -- | N | -- | 100 |
| 78KZ058 | N | 100 | 700 | 100 | -- | N | -- | 150 | N | N | -- | N | -- | 200 |
| 78KG070 | N | 10 | 70 | 5 | -- | <5 | -- | 7 | <20 | N | -- | N | -- | 100 |
| 78KF018 | N | 70 | 1,500 | <5 | -- | N | -- | 1,500 | N | N | -- | N | -- | 70 |
| 78KP017 | N | 70 | 5,000 | 10 | -- | N | -- | 2,000 | N | N | -- | N | -- | 30 |
| 78KL004 | N | 100 | >5,000 | 7 | -- | N | -- | 5,000 | N | N | -- | N | -- | 20 |
| 78KL005A | N | 150 | >5,000 | 7 | -- | N | -- | 2,000 | N | N | -- | N | -- | 300 |
| 78KG015B | N | 50 | 5,000 | 200 | -- | N | -- | 700 | N | N | -- | N | -- | 150 |
| 78KS041 | N | 100 | 5,000 | 10 | -- | N | -- | 3,000 | N | N | -- | N | -- | 50 |
| 78KS039 | N | 50 | 300 | 15 | -- | N | -- | 70 | N | N | -- | N | -- | 200 |
| 78KG014 | N | 100 | >5,000 | 7 | -- | N | -- | 1,500 | N | N | -- | N | -- | 30 |
| 78KN004 | N | 100 | >5,000 | 10 | -- | N | -- | 2,000 | N | N | -- | N | -- | 50 |
| 78KP015 | N | 150 | >5,000 | 7 | -- | N | -- | 2,000 | N | N | -- | N | -- | 20 |
| 78KF055 | N | 100 | 5,000 | N | -- | N | -- | 2,000 | N | N | -- | N | -- | 50 |
| 78KF057 | N | 100 | 5,000 | 10 | -- | N | -- | 3,000 | N | N | -- | N | -- | 50 |
| 78KF100 | N | 10 | 50 | <5 | -- | N | -- | 30 | <20 | N | -- | N | -- | 50 |
| 78KF101 | N | 30 | N | 150 | -- | N | -- | 7 | N | N | -- | N | -- | 200 |
| 78KL103 | N | 70 | 1,500 | 150 | -- | 7 | -- | 200 | N | N | -- | N | -- | 150 |
| 78KG047 | N | 50 | 100 | 20 | -- | N | -- | 30 | N | N | -- | N | -- | 300 |
| 78KF108 | N | 70 | 150 | <5 | -- | N | -- | 100 | N | N | -- | N | -- | 300 |
| 78KC086 | N | 50 | 50 | 5 | -- | N | -- | 50 | N | N | -- | N | -- | 500 |
| 78KS091 | N | 10 | 70 | 20 | -- | <5 | -- | 7 | N | N | -- | N | -- | 50 |
| 78KS036 | N | 5 | N | 70 | -- | 10 | -- | <5 | <20 | N | -- | N | -- | 30 |
| 78KS085 | N | 5 | N | 30 | -- | 5 | -- | <5 | <20 | N | -- | N | -- | 70 |
| 78KS078 | N | 50 | 70 | 500 | -- | N | -- | 20 | N | N | -- | N | -- | 500 |
| 78KC042 | N | 30 | 300 | 10 | -- | N | -- | 30 | N | N | -- | N | -- | 200 |
| 78KC043 | N | 50 | 200 | 5 | -- | N | -- | 50 | N | N | -- | N | -- | 100 |
| 78KC044 | N | 30 | 200 | 20 | -- | N | -- | 30 | N | N | -- | N | -- | 300 |
| 78KF062 | N | 50 | 100 | 50 | -- | N | -- | 30 | <20 | N | -- | N | -- | 200 |
| 78KF063 | N | 50 | <50 | 50 | -- | N | -- | 30 | N | N | -- | N | -- | 200 |
| 78KG092 | N | 100 | 2,000 | 70 | -- | N | -- | 500 | N | N | -- | N | -- | 70 |
| 78KC036 | N | 7 | N | N | -- | N | -- | <5 | N | N | -- | N | -- | 50 |
| 78KL084 | N | 70 | N | 700 | -- | N | -- | 7 | N | N | -- | N | -- | 300 |
| 78KS070 | N | 70 | 70 | 10 | -- | N | -- | 50 | N | N | -- | N | -- | 700 |

Kalmiopsis Rock Analyses--continued

| Sample | S-W | S-Y | S-ZN | S-ZR | INST-HG | AS-PT | AS-PD | AS-RH | AS-RU | AS-IR | AS-AU |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 78KW005 | N | -- | N | -- | -- | N | .007 | N | N | N | N |
| 78KF109 | N | -- | N | -- | N | N | N | N | N | N | N |
| 78KL074 | N | -- | N | -- | -- | .010 | .010 | N | N | N | N |
| 78KL071 | N | -- | N | -- | -- | .020 | .005 | N | N | N | N |
| 78KL069 | N | -- | N | -- | -- | .010 | .007 | N | N | N | N |
| 78KL066 | N | -- | N | -- | -- | N | .005 | N | N | N | N |
| 78KG073 | N | -- | N | -- | -- | .015 | .002 | N | N | N | N |
| 78KG074 | N | -- | N | -- | -- | N | .003 | N | N | N | N |
| 78KN028 | N | -- | N | -- | -- | .020 | .030 | N | N | N | N |
| 78KN046 | N | -- | N | -- | -- | N | N | N | N | N | N |
| 78KP039 | N | -- | N | -- | -- | .010 | .050 | N | N | N | N |
| 78KZ056 | N | -- | N | -- | -- | N | N | N | N | N | N |
| 78KZ058 | N | -- | N | -- | -- | N | .007 | N | N | N | N |
| 78KG070 | N | -- | N | -- | N | N | N | N | N | N | N |
| 78KF018 | N | -- | N | -- | N | N | N | N | N | N | N |
| 78KP017 | N | -- | N | -- | -- | .015 | .015 | N | N | N | N |
| 78KL004 | N | -- | N | -- | -- | .030 | .020 | N | N | N | N |
| 78KL005A | N | -- | N | -- | -- | N | N | N | N | N | N |
| 78KG015B | N | -- | N | -- | -- | .010 | .002 | N | N | N | .002 |
| 78KS041 | N | -- | N | -- | -- | .020 | .010 | N | N | N | N |
| 78KS039 | N | -- | N | -- | -- | N | N | N | N | N | N |
| 78KG014 | N | -- | N | -- | -- | .030 | .015 | N | N | N | N |
| 78KN004 | N | -- | N | -- | -- | .020 | .010 | N | N | N | N |
| 78KP015 | N | -- | N | -- | -- | .020 | .005 | N | N | N | N |
| 78KF055 | N | -- | N | -- | -- | .020 | .002 | N | N | N | N |
| 78KF057 | N | -- | N | -- | -- | .010 | .010 | N | N | N | N |
| 78KF100 | N | -- | N | -- | -- | N | N | N | N | N | N |
| 78KF101 | N | -- | N | -- | N | .010 | N | N | N | N | N |
| 78KL103 | N | -- | N | -- | N | N | .020 | N | N | N | .001 |
| 78KG047 | N | -- | N | -- | -- | N | N | N | N | N | N |
| 78KF108 | N | -- | N | -- | -- | N | N | N | N | N | N |
| 78KC086 | N | -- | N | -- | -- | N | .001 | N | N | N | N |
| 78KS091 | N | -- | N | -- | N | N | .002 | N | N | N | N |
| 78KS086 | <50 | -- | N | -- | N | N | N | N | N | N | N |
| 78KS085 | N | -- | N | -- | N | N | N | N | N | N | N |
| 78KS078 | N | -- | N | -- | -- | N | .020 | N | N | N | .015 |
| 78KC042 | N | -- | N | -- | -- | .020 | .100 | N | N | N | N |
| 78KC043 | N | -- | N | -- | -- | N | .002 | N | N | N | N |
| 78KC044 | N | -- | N | -- | -- | .010 | .100 | N | N | N | .010 |
| 78KF062 | N | -- | N | -- | -- | N | N | N | N | N | .010 |
| 78KF063 | N | -- | N | -- | -- | N | N | N | N | N | .002 |
| 78KG092 | N | -- | N | -- | N | .050 | .100 | N | N | N | .010 |
| 78KC036 | N | -- | N | -- | N | N | N | N | N | N | .002 |
| 78KL034 | N | -- | N | -- | N | N | .005 | N | N | N | .100 |
| 78KS070 | N | -- | N | -- | -- | N | .020 | N | N | N | N |

Kalmiopsis Rock Analyses--continued

| Sample | X-COORD. | Y-COORD. | S-FE% | S-MG% | S-CA% | S-TI% | S-MN | S-AG | S-AS | S-AU | S-B | S-BA | S-BE | S-BI |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 78KS071 | 432,666 | 4,694,150 | 10.0 | -- | -- | -- | 1,500 | N | N | N | <20 | <20 | N | N |
| 78KS074 | 432,795 | 4,693,330 | 7.0 | -- | -- | -- | 1,000 | N | N | N | N | <20 | N | N |
| 78KS076 | 432,270 | 4,692,870 | 7.0 | -- | -- | -- | 1,000 | .7 | N | N | <20 | 30 | N | N |
| 78KL089 | 431,393 | 4,692,710 | 7.0 | -- | -- | -- | 500 | N | N | N | N | <20 | N | N |
| 78KL090 | 431,592 | 4,692,700 | 7.0 | -- | -- | -- | 500 | N | N | N | N | <20 | N | N |
| 78KC002 | 432,079 | 4,666,680 | 7.0 | 7.0 | 1.00 | -- | 700 | N | N | N | N | N | N | N |
| 78KF045 | 425,143 | 4,663,600 | 7.0 | 7.0 | 1.00 | -- | 700 | N | N | N | 20 | N | N | N |
| 78KF043 | 425,625 | 4,663,370 | 5.0 | 7.0 | 1.50 | -- | 1,000 | N | N | N | N | N | N | N |
| 78KF048 | 425,050 | 4,663,000 | 7.0 | 7.0 | .70 | -- | 1,000 | N | N | N | N | N | N | N |
| 78KF050 | 425,919 | 4,662,890 | 5.0 | 7.0 | 1.00 | -- | 700 | N | N | N | 150 | N | N | N |
| 78KP004 | 425,834 | 4,661,580 | 5.0 | 7.0 | 1.00 | -- | 1,000 | N | N | N | 70 | N | N | N |
| 78KP007 | 425,061 | 4,660,130 | 7.0 | 7.0 | .30 | -- | 700 | N | N | N | 100 | N | N | N |
| 78KG004 | 429,362 | 4,663,110 | 7.0 | 7.0 | <.05 | -- | 1,000 | N | N | N | 50 | N | N | N |
| 78KG102 | 424,571 | 4,694,560 | 7.0 | -- | -- | -- | 1,000 | N | N | N | 50 | 20 | N | N |
| 78KG104 | 424,571 | 4,694,560 | 5.0 | 7.0 | 7.00 | -- | 1,000 | N | N | N | <20 | N | N | N |
| 78KG105 | 424,571 | 4,694,560 | 5.0 | -- | -- | -- | 1,000 | N | N | N | N | <20 | N | N |
| 78KF110 | 431,207 | 4,687,480 | 7.0 | -- | -- | -- | 1,500 | N | N | N | 30 | 150 | N | N |
| 78KF111 | 431,557 | 4,687,510 | 7.0 | -- | -- | -- | 1,500 | N | N | N | <20 | 300 | N | N |
| 78KF113 | 431,667 | 4,687,520 | 7.0 | 7.0 | .07 | -- | 700 | N | N | N | 20 | N | N | N |
| 78KF115 | 432,155 | 4,687,340 | 5.0 | -- | -- | -- | 1,500 | N | N | N | <20 | 30 | N | N |
| 78KF116 | 432,560 | 4,687,230 | 7.0 | 7.0 | <.05 | -- | 700 | N | N | N | <20 | N | N | N |
| 78KG080 | 432,607 | 4,687,210 | 7.0 | 7.0 | .50 | -- | 700 | N | N | N | <20 | N | N | N |
| 78KG081 | 432,565 | 4,686,650 | 7.0 | 5.0 | 3.00 | -- | 1,500 | N | N | N | 50 | <20 | N | N |
| 78KG083 | 431,990 | 4,685,560 | 7.0 | 7.0 | 1.00 | -- | 1,000 | N | N | N | <20 | N | N | N |
| 78KP063 | 415,259 | 4,700,790 | 7.0 | -- | -- | -- | 1,500 | 2.0 | N | N | 30 | 30 | N | N |
| 78KP066 | 416,145 | 4,701,040 | 10.0 | 7.0 | <.05 | -- | 500 | N | N | N | N | N | N | N |
| 78KP067 | 416,804 | 4,700,850 | 7.0 | 7.0 | 1.00 | -- | 700 | N | N | N | 20 | N | N | N |
| 78KP069 | 417,071 | 4,700,460 | 7.0 | -- | -- | -- | 1,500 | N | N | N | <20 | 150 | N | N |
| 78KP070 | 417,617 | 4,700,350 | 10.0 | 7.0 | <.05 | -- | 1,000 | N | N | N | 50 | N | N | N |
| 78KP072 | 417,617 | 4,700,350 | 7.0 | 5.0 | 5.00 | -- | 1,000 | N | N | N | N | <20 | N | N |
| 78KP074 | 416,876 | 4,699,330 | 7.0 | -- | -- | -- | 500 | N | N | N | 150 | 700 | N | N |
| 78KP076 | 413,202 | 4,699,020 | 7.0 | 7.0 | N | -- | 700 | N | N | N | 20 | N | N | N |
| 78KW60 | 416,226 | 4,693,960 | 7.0 | 7.0 | .07 | -- | 700 | N | N | N | 150 | N | N | N |
| 78KW61 | 416,226 | 4,693,960 | 7.0 | 7.0 | .15 | -- | 1,000 | N | N | N | 70 | N | N | N |
| 78KW63 | 415,894 | 4,693,660 | 7.0 | -- | -- | -- | 2,000 | N | N | N | <20 | 20 | N | N |
| 78KW64 | 415,801 | 4,693,710 | 7.0 | -- | -- | -- | 1,000 | N | N | N | 20 | 30 | N | N |
| 78KW66 | 429,609 | 4,678,340 | 7.0 | 7.0 | .07 | -- | 1,000 | N | N | N | N | N | N | N |
| 78KW67 | 429,609 | 4,678,340 | 7.0 | 7.0 | <.05 | -- | 300 | N | N | N | N | N | N | N |
| 78KW68 | 432,800 | 4,679,050 | 7.0 | 7.0 | .50 | -- | 700 | N | N | N | 30 | N | N | N |
| 78KW69 | 431,913 | 4,679,960 | 7.0 | 7.0 | <.05 | -- | 300 | N | N | N | <20 | N | N | N |
| 78KW70 | 431,913 | 4,679,860 | 7.0 | 5.0 | <.05 | -- | 1,000 | N | N | N | N | <20 | N | N |
| 78KB084 | 425,213 | 4,689,650 | 7.0 | -- | -- | -- | 1,500 | N | N | N | N | 300 | N | N |
| 78KB107 | 430,295 | 4,662,630 | 10.0 | -- | -- | -- | 2,000 | 1.5 | N | N | <20 | 200 | N | N |
| 78KB035 | 427,542 | 4,660,370 | 5.0 | 7.0 | .15 | -- | 500 | N | N | N | 500 | N | N | N |
| 78KB036 | 427,540 | 4,660,620 | 7.0 | 7.0 | <.05 | -- | 500 | N | N | N | 30 | N | N | N |

Kalmiopsis Rock Analyses--continued

| Sample | S-CD | S-CO | S-CR | S-CU | S-LA | S-MO | S-NB | S-NI | S-PB | S-SB | S-SC | S-SN | S-SR | S-V |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 78KS071 | N | 50 | N | 200 | -- | N | -- | 10 | N | N | -- | N | -- | 500 |
| 78KS074 | N | 50 | N | 15 | -- | N | -- | 20 | N | N | -- | N | -- | 700 |
| 78KS076 | N | 50 | 50 | 700 | -- | N | -- | 30 | N | N | -- | N | -- | 700 |
| 78KL089 | N | 50 | 300 | 10 | -- | N | -- | 50 | N | N | -- | N | -- | 150 |
| 78KL090 | N | 50 | 300 | 20 | -- | N | -- | 70 | N | N | -- | N | -- | 100 |
| 78KC002 | N | 100 | 5,000 | <5 | -- | N | -- | 2,000 | N | N | -- | N | -- | 50 |
| 78KF045 | N | 100 | 5,000 | 5 | -- | N | -- | 3,000 | N | N | -- | N | -- | 50 |
| 78KF043 | N | 100 | 5,000 | 5 | -- | N | -- | 2,000 | N | N | -- | N | -- | 50 |
| 78KF048 | N | 150 | 5,000 | 70 | -- | N | -- | 3,000 | N | N | -- | N | -- | 50 |
| 78KF050 | N | 100 | >5,000 | 10 | -- | N | -- | 2,000 | N | N | -- | N | -- | 70 |
| 78KP004 | N | 70 | 5,000 | 15 | -- | N | -- | 2,000 | N | N | -- | N | -- | 70 |
| 78KP007 | N | 100 | 5,000 | 10 | -- | N | -- | 2,000 | N | N | -- | N | -- | 70 |
| 78KG004 | N | 100 | >5,000 | <5 | -- | N | -- | 3,000 | N | N | -- | N | -- | 50 |
| 78KG102 | N | 50 | 300 | 70 | -- | N | -- | 50 | N | N | -- | N | -- | 150 |
| 78KG104 | N | 30 | >5,000 | 70 | -- | N | -- | 200 | N | N | -- | N | -- | 150 |
| 78KG105 | N | 30 | 300 | 70 | -- | N | -- | 70 | N | N | -- | N | -- | 100 |
| 78KF110 | N | 30 | 50 | 100 | -- | N | -- | 15 | N | N | -- | N | -- | 300 |
| 78KF111 | N | 30 | 300 | N | -- | N | -- | 70 | N | N | -- | N | -- | 150 |
| 78KF113 | N | 100 | 5,000 | 30 | -- | N | -- | 3,000 | N | N | -- | N | -- | 50 |
| 78KF115 | N | 30 | 500 | 30 | -- | N | -- | 70 | <20 | N | -- | N | -- | 150 |
| 78KF116 | N | 100 | >5,000 | 7 | -- | N | -- | 5,000 | N | N | -- | N | -- | 15 |
| 78KG080 | N | 100 | >5,000 | 20 | -- | N | -- | 5,000 | N | N | -- | N | -- | 30 |
| 78KG081 | N | 50 | 1,500 | 50 | -- | N | -- | 700 | N | N | -- | N | -- | 150 |
| 78KG083 | N | 100 | >5,000 | 10 | -- | N | -- | 3,000 | N | N | -- | N | -- | 50 |
| 78KP063 | N | 15 | 100 | 30 | -- | N | -- | 15 | 20 | N | -- | N | -- | 500 |
| 78KP066 | N | 150 | >5,000 | 10 | -- | N | -- | 1,500 | N | N | -- | N | -- | 150 |
| 78KP067 | N | 100 | >5,000 | 10 | -- | N | -- | 2,000 | N | N | -- | N | -- | 70 |
| 78KP069 | N | 30 | 200 | 50 | -- | N | -- | 20 | N | N | -- | N | -- | 200 |
| 78KP070 | N | 100 | >5,000 | 5 | -- | N | -- | 700 | N | N | -- | N | -- | 70 |
| 78KP072 | N | 50 | 5,000 | 300 | -- | N | -- | 200 | N | N | -- | N | -- | 200 |
| 78KP074 | N | 30 | 300 | 50 | -- | N | -- | 200 | 50 | N | -- | N | -- | 150 |
| 78KP076 | N | 70 | 5,000 | N | -- | N | -- | 2,000 | N | N | -- | N | -- | 30 |
| 78KW60 | N | 100 | 5,000 | N | -- | N | -- | 2,000 | N | N | -- | N | -- | 30 |
| 78KW61 | N | 100 | 5,000 | 7 | -- | N | -- | 3,000 | N | N | -- | N | -- | 30 |
| 78KW63 | N | 30 | <50 | 50 | -- | N | -- | 10 | N | N | -- | N | -- | 150 |
| 78KW64 | N | 30 | <50 | 15 | -- | N | -- | 15 | N | N | -- | N | -- | 200 |
| 78KW66 | N | 150 | >5,000 | N | -- | N | -- | 500 | N | N | -- | N | -- | 200 |
| 78KW67 | N | 100 | >5,000 | <5 | -- | N | -- | 5,000 | N | N | -- | N | -- | 70 |
| 78KW68 | N | 100 | 5,000 | 10 | -- | N | -- | 2,000 | N | N | -- | N | -- | 30 |
| 78KW69 | N | 100 | 2,000 | 7 | -- | N | -- | 3,000 | N | N | -- | N | -- | 20 |
| 78KW70 | N | 200 | >5,000 | 5 | -- | N | -- | 1,000 | N | N | -- | N | -- | 500 |
| 78KB034 | N | 20 | 70 | 30 | -- | N | -- | 7 | N | N | -- | N | -- | 200 |
| 78KB107 | N | 70 | 50 | 1,500 | -- | N | -- | 30 | N | N | -- | N | -- | 200 |
| 78KB035 | N | 100 | >5,000 | 10 | -- | N | -- | 1,500 | N | N | -- | N | -- | 50 |
| 78KB036 | N | 100 | >5,000 | 5 | -- | N | -- | 1,500 | N | N | -- | N | -- | 30 |

Kalmiopsis Rock Analyses--continued

| Sample | S-W | S-Y | S-ZN | S-ZR | INST-HG | AS-PT | AS-PD | AS-RH | AS-RU | AS-IR | AS-AU |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 73KS071 | N | -- | N | -- | -- | N | .030 | N | N | N | .010 |
| 78KS074 | N | -- | N | -- | -- | .030 | .070 | N | N | N | .002 |
| 78KS076 | N | -- | N | -- | N | .020 | .150 | N | N | N | .500 |
| 78KL089 | N | -- | N | -- | -- | N | .200 | N | N | N | .005 |
| 78KL090 | N | -- | N | -- | -- | N | .100 | N | N | N | .005 |
| 78KC002 | N | -- | N | -- | -- | N | .010 | N | N | N | N |
| 78KF045 | N | -- | N | -- | -- | .010 | .010 | N | N | N | N |
| 78KF043 | N | -- | N | -- | -- | .010 | .010 | N | N | N | N |
| 78KF048 | N | -- | N | -- | -- | .005 | .007 | N | N | N | N |
| 78KF050 | N | -- | N | -- | -- | .020 | .010 | N | N | N | N |
| 78KP004 | N | -- | N | -- | -- | .015 | .007 | N | N | N | N |
| 78KP007 | N | -- | N | -- | -- | .015 | .010 | N | N | N | N |
| 78KG004 | N | -- | N | -- | -- | .010 | .007 | N | N | N | N |
| 78KG102 | N | -- | N | -- | -- | N | N | N | N | N | N |
| 78KG104 | N | -- | N | -- | -- | N | .015 | N | N | N | .004 |
| 78KG105 | N | -- | N | -- | -- | N | .003 | N | N | N | N |
| 78KF110 | N | -- | N | -- | N | N | .002 | N | N | N | N |
| 78KF111 | N | -- | N | -- | -- | N | .001 | N | N | N | N |
| 78KF113 | N | -- | N | -- | -- | .010 | .010 | N | N | N | N |
| 78KF115 | N | -- | N | -- | -- | N | .005 | N | N | N | N |
| 78KF116 | N | -- | N | -- | -- | N | N | N | N | N | N |
| 78KG080 | N | -- | N | -- | -- | .010 | .002 | N | N | N | N |
| 78KG031 | N | -- | N | -- | -- | N | N | N | N | N | N |
| 78KG083 | N | -- | N | -- | -- | .010 | .010 | N | N | N | N |
| 78KP063 | N | -- | N | -- | .02 | N | .030 | N | N | N | .030 |
| 78KP066 | N | -- | N | -- | -- | N | N | N | N | N | N |
| 78KP067 | N | -- | N | -- | -- | .020 | .010 | N | N | N | N |
| 78KP069 | N | -- | N | -- | N | N | .005 | N | N | N | .001 |
| 78KP070 | N | -- | N | -- | -- | .030 | .010 | N | N | N | N |
| 78KP072 | N | -- | N | -- | -- | N | .003 | N | N | N | .001 |
| 78KP074 | N | -- | N | -- | -- | .020 | .050 | .020 | N | N | 3.000 |
| 78KP076 | N | -- | N | -- | N | N | .001 | N | N | N | .005 |
| 78KW60 | N | -- | N | -- | -- | .020 | .005 | N | N | N | N |
| 78KW61 | N | -- | N | -- | -- | .010 | .007 | N | N | N | N |
| 78KW63 | N | -- | N | -- | -- | N | N | N | N | N | N |
| 78KW64 | N | -- | N | -- | -- | N | .001 | N | N | N | N |
| 78KW66 | N | -- | N | -- | -- | N | .003 | .007 | N | N | N |
| 78KW67 | N | -- | N | -- | -- | .015 | .007 | N | N | N | N |
| 78KW68 | N | -- | N | -- | -- | .015 | .010 | N | N | N | .007 |
| 78KW69 | N | -- | N | -- | -- | .010 | .007 | N | N | N | N |
| 78KW70 | N | -- | N | -- | -- | .050 | .200 | .015 | N | N | N |
| 78KB084 | N | -- | N | -- | -- | N | N | N | N | N | N |
| 78KB107 | N | -- | N | -- | N | N | N | N | N | N | .070 |
| 78KB035 | N | -- | N | -- | -- | .020 | .015 | N | N | N | N |
| 78KB036 | N | -- | N | -- | -- | .010 | .002 | N | N | N | N |

Kalmiopsis Rock Analyses--continued

| Sample | X-COORD. | Y-COORD. | S-FE% | S-MG% | S-CA% | S-TI% | S-MN | S-AG | S-AS | S-AU | S-B | S-BA | S-BE | S-BI |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 78KB057 | 423,042 | 4,662,940 | 7.0 | 7.0 | 1.00 | -- | 1,000 | N | N | N | <20 | N | N | N |
| 78KG135 | 411,884 | 4,698,400 | 5.0 | 7.0 | .50 | -- | 700 | N | N | N | 50 | N | N | N |
| 78KG136 | 413,031 | 4,698,890 | 7.0 | 7.0 | <.05 | -- | 500 | N | N | N | 50 | N | N | N |
| 78KG143 | 412,204 | 4,697,840 | 7.0 | 7.0 | .50 | -- | 700 | N | N | N | 50 | N | N | N |
| 78KG144 | 409,867 | 4,699,000 | 7.0 | 7.0 | <.05 | -- | 700 | N | N | N | 150 | N | N | N |
| 78KG150 | 413,700 | 4,696,300 | 5.0 | 7.0 | .15 | -- | 500 | N | N | N | N | N | N | N |
| 78KF130 | 432,850 | 4,689,050 | 7.0 | 7.0 | <.05 | -- | 500 | N | N | N | N | N | N | N |
| 78KF132 | 432,843 | 4,688,160 | 5.0 | 7.0 | 3.00 | -- | 700 | N | N | N | N | N | N | N |
| 78KF133 | 432,946 | 4,688,450 | 5.0 | 7.0 | .05 | -- | 700 | N | N | N | N | N | N | N |
| 78KF136 | 432,116 | 4,683,560 | 10.0 | -- | -- | -- | 2,000 | N | N | N | 30 | 150 | N | N |
| 78KF137 | 431,943 | 4,688,170 | 7.0 | -- | -- | -- | 1,500 | N | N | N | N | 100 | N | N |
| 78KF141 | 431,278 | 4,689,480 | 10.0 | -- | -- | -- | 2,000 | N | N | N | <20 | 100 | N | N |
| 78KF142 | 431,650 | 4,690,200 | 7.0 | -- | -- | -- | 2,000 | N | N | N | <20 | 100 | N | N |
| 78KF144 | 431,807 | 4,690,640 | 7.0 | -- | -- | -- | 1,000 | N | N | N | N | 20 | N | N |
| 78KF146 | 432,224 | 4,691,280 | 7.0 | -- | -- | -- | 1,500 | N | N | N | N | 70 | N | N |
| 78KF199 | 413,072 | 4,702,870 | 5.0 | -- | -- | -- | 700 | N | N | N | 30 | 500 | N | N |
| 78KF200 | 417,825 | 4,702,940 | 5.0 | -- | -- | -- | 500 | <.5 | N | N | 30 | 500 | N | N |
| 78KF201 | 417,852 | 4,702,680 | 7.0 | -- | -- | -- | 1,500 | N | N | N | N | 50 | N | N |
| 78KF202 | 417,852 | 4,702,680 | 3.0 | -- | -- | -- | 1,000 | N | N | N | N | 100 | N | N |
| 78KF203 | 417,700 | 4,702,500 | 7.0 | -- | -- | -- | 1,000 | N | N | N | 20 | 150 | N | N |
| 78KF204 | 417,502 | 4,700,950 | 7.0 | -- | -- | -- | 1,000 | N | N | N | 50 | 150 | N | N |
| 78KF205 | 417,502 | 4,700,950 | 7.0 | -- | -- | -- | 1,500 | N | N | N | 20 | 300 | N | N |
| 78KF206 | 417,547 | 4,699,730 | 3.0 | -- | -- | -- | 1,000 | N | N | N | <20 | 100 | N | N |
| 78KF180 | 417,673 | 4,697,510 | 5.0 | -- | -- | -- | 1,500 | N | N | N | 100 | 1,000 | N | N |
| 78KF181 | 417,358 | 4,697,470 | 10.0 | -- | -- | -- | 1,000 | N | N | N | 30 | 100 | N | N |
| 78KF182 | 417,328 | 4,698,220 | 7.0 | 7.0 | 7.00 | -- | 1,000 | N | N | N | 30 | <20 | N | N |
| 78KF183 | 417,011 | 4,697,860 | 7.0 | 7.0 | 7.00 | -- | 1,500 | N | N | N | 100 | N | N | N |
| 78KF184 | 417,024 | 4,697,610 | 7.0 | -- | -- | -- | 2,000 | N | N | N | 20 | 20 | N | N |
| 78KF185 | 416,744 | 4,697,930 | 5.0 | -- | -- | -- | 1,000 | N | N | N | <20 | 20 | N | N |
| 78KF186 | 416,744 | 4,697,930 | 5.0 | -- | -- | -- | 700 | N | N | N | <20 | 20 | N | N |
| 78KF187 | 417,087 | 4,699,070 | 10.0 | -- | -- | -- | 1,000 | N | N | N | <20 | 150 | N | N |
| 78KF188 | 417,087 | 4,699,070 | 7.0 | 5.0 | 7.00 | -- | 1,000 | N | N | N | N | 50 | N | N |
| 78KF190 | 418,027 | 4,700,560 | 7.0 | -- | -- | -- | 1,000 | N | N | N | 70 | 100 | N | N |
| 78KF192 | 417,783 | 4,700,610 | 7.0 | -- | -- | -- | 1,000 | N | N | N | 50 | 30 | N | N |
| 78KF193 | 417,843 | 4,701,510 | 10.0 | -- | -- | -- | 1,500 | N | N | N | <20 | 30 | N | N |
| 78KF194 | 417,894 | 4,701,830 | 10.0 | -- | -- | -- | 1,500 | N | N | N | <20 | 70 | N | N |
| 78KF167 | 418,902 | 4,696,390 | 5.0 | -- | -- | -- | 700 | N | N | N | 50 | 1,500 | N | N |
| 78KF169 | 417,756 | 4,696,670 | 3.0 | -- | -- | -- | 1,000 | N | N | N | <20 | 30 | N | N |
| 78KF177 | 418,500 | 4,697,800 | 5.0 | -- | -- | -- | 200 | N | N | N | N | 500 | N | N |
| 78KF178 | 417,995 | 4,697,630 | 7.0 | -- | -- | -- | 1,500 | <.5 | N | N | 30 | 300 | N | N |
| 78KF179 | 417,916 | 4,697,450 | 7.0 | -- | -- | -- | 2,000 | N | N | N | 20 | 150 | N | N |
| 78KF153 | 432,340 | 4,690,310 | 7.0 | -- | -- | -- | 2,000 | N | N | N | <20 | 20 | N | N |
| 78KF156 | 432,689 | 4,691,070 | 7.0 | -- | -- | -- | 1,000 | N | N | N | N | 300 | N | N |
| 78KF158 | 431,500 | 4,692,120 | 10.0 | -- | -- | -- | 2,000 | N | N | N | N | 20 | N | N |
| 78KF160 | 431,850 | 4,691,950 | 7.0 | -- | -- | -- | 1,500 | N | N | N | N | <20 | N | N |

Kalmiopsis Rock Analyses--continued

| Sample | S-CD | S-CO | S-CR | S-CU | S-LA | S-MO | S-NB | S-NI | S-PB | S-SB | S-SC | S-SN | S-SR | S-V |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 78KB057 | N | 100 | >5,000 | 5 | -- | N | -- | 2,000 | N | N | -- | N | -- | 30 |
| 78KG135 | N | 100 | 1,500 | 10 | -- | N | -- | 1,500 | N | N | -- | N | -- | 20 |
| 78KG136 | N | 100 | 1,500 | 5 | -- | N | -- | 3,000 | N | N | -- | N | -- | 30 |
| 78KG143 | N | 100 | 5,000 | 20 | -- | N | -- | 3,000 | N | N | -- | N | -- | 50 |
| 78KG144 | N | 100 | 5,000 | 10 | -- | N | -- | 3,000 | N | N | -- | N | -- | 50 |
| 78KG150 | N | 70 | 5,000 | 5 | -- | N | -- | 2,000 | N | N | -- | N | -- | 30 |
| 78KF130 | N | 100 | 5,000 | 7 | -- | N | -- | 5,000 | N | N | -- | N | -- | 30 |
| 78KF132 | N | 30 | 5,000 | 15 | -- | N | -- | 1,000 | N | N | -- | N | -- | 70 |
| 78KF133 | N | 70 | 5,000 | N | -- | N | -- | 5,000 | N | N | -- | N | -- | 20 |
| 78KF136 | N | 50 | 100 | 100 | -- | N | -- | 20 | N | N | -- | N | -- | 300 |
| 78KF137 | N | 30 | N | 100 | -- | N | -- | 15 | N | N | -- | N | -- | 300 |
| 78KF141 | N | 50 | <50 | 100 | -- | N | -- | 15 | N | N | -- | N | -- | 500 |
| 78KF142 | N | 30 | 70 | 50 | -- | N | -- | 20 | N | N | -- | N | -- | 300 |
| 78KF144 | N | 50 | 300 | 10 | -- | N | -- | 50 | N | N | -- | N | -- | 100 |
| 78KF146 | N | 30 | <50 | 70 | -- | <5 | -- | 10 | N | N | -- | N | -- | 300 |
| 78KF199 | N | 15 | 200 | 10 | -- | N | -- | 30 | 20 | N | -- | N | -- | 100 |
| 78KF200 | N | 15 | 150 | 10 | -- | N | -- | 30 | 20 | N | -- | N | -- | 150 |
| 78KF201 | N | 50 | N | 50 | -- | <5 | -- | 5 | N | N | -- | N | -- | 150 |
| 78KF202 | N | 10 | N | 7 | -- | N | -- | <5 | N | N | -- | N | -- | 50 |
| 78KF203 | N | 50 | 50 | 100 | -- | N | -- | 20 | N | N | -- | N | -- | 700 |
| 78KF204 | N | 50 | 500 | 30 | -- | N | -- | 100 | N | N | -- | N | -- | 200 |
| 78KF205 | N | 50 | 700 | 20 | -- | N | -- | 100 | N | N | -- | N | -- | 200 |
| 78KF206 | N | 10 | N | <5 | -- | N | -- | 20 | N | N | -- | N | -- | 50 |
| 78KF180 | N | 15 | 150 | 20 | -- | N | -- | 70 | 20 | N | -- | N | -- | 200 |
| 78KF181 | N | 50 | N | 150 | -- | N | -- | 50 | N | N | -- | N | -- | 500 |
| 78KF182 | N | 30 | >5,000 | 7 | -- | N | -- | 200 | N | N | -- | N | -- | 150 |
| 78KF183 | N | 50 | 5,000 | 5 | -- | N | -- | 300 | N | N | -- | N | -- | 200 |
| 78KF184 | N | 30 | 300 | <5 | -- | N | -- | 50 | N | N | -- | N | -- | 200 |
| 78KF185 | N | 30 | 300 | 30 | -- | N | -- | 100 | N | N | -- | N | -- | 150 |
| 78KF186 | N | 50 | 700 | 50 | -- | N | -- | 100 | N | N | -- | N | -- | 150 |
| 78KF187 | N | 50 | N | 150 | -- | N | -- | 15 | N | N | -- | N | -- | 500 |
| 78KF188 | N | 50 | 5,000 | 10 | -- | N | -- | 150 | N | N | -- | N | -- | 150 |
| 78KF190 | N | 30 | <50 | 50 | -- | N | -- | 20 | N | N | -- | N | -- | 300 |
| 78KF192 | N | 30 | 300 | 100 | -- | N | -- | 50 | N | N | -- | N | -- | 200 |
| 78KF193 | N | 50 | 70 | 150 | -- | N | -- | 30 | N | N | -- | N | -- | 300 |
| 78KF194 | N | 50 | N | 50 | -- | N | -- | <5 | N | N | -- | N | -- | 150 |
| 78KF167 | N | 15 | 200 | 20 | -- | N | -- | 50 | 20 | N | -- | N | -- | 100 |
| 78KF169 | N | 10 | N | 5 | -- | N | -- | 5 | <20 | N | -- | N | -- | 100 |
| 78KF177 | N | 15 | 200 | 15 | -- | <5 | -- | 50 | 20 | N | -- | N | -- | 50 |
| 78KF178 | N | 20 | <50 | N | -- | N | -- | 10 | <20 | N | -- | N | -- | 100 |
| 78KF179 | N | 30 | N | 30 | -- | N | -- | 5 | N | N | -- | N | -- | 200 |
| 78KF153 | N | 30 | 50 | 30 | -- | N | -- | 20 | N | N | -- | N | -- | 300 |
| 78KF156 | N | 30 | <50 | 20 | -- | N | -- | 7 | N | N | -- | N | -- | 200 |
| 78KF158 | N | 70 | <50 | 300 | -- | N | -- | 30 | N | N | -- | N | -- | 500 |
| 78KF160 | N | 70 | 70 | 200 | -- | N | -- | 30 | N | N | -- | N | -- | 500 |

Kalmiopsis Rock Analyses--continued

| Sample | S-W | S-Y | S-ZN | S-ZR | INST-HG | AS-PT | AS-PD | AS-RH | AS-RU | AS-IR | AS-AU |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 78KB057 | N | -- | N | -- | -- | .020 | .010 | N | N | N | N |
| 78KG135 | N | -- | N | -- | -- | .005 | .010 | N | N | N | N |
| 78KG136 | N | -- | N | -- | -- | N | .005 | .002 | N | N | N |
| 78KG143 | N | -- | N | -- | -- | .015 | .010 | N | N | N | N |
| 78KG144 | N | -- | N | -- | -- | .010 | .010 | N | N | N | N |
| 78KG150 | N | -- | N | -- | -- | .005 | .010 | N | N | N | N |
| 78KF130 | N | -- | N | -- | -- | .005 | .010 | N | N | N | N |
| 78KF132 | N | -- | N | -- | -- | .005 | N | N | N | N | N |
| 78KF133 | N | -- | N | -- | -- | N | N | N | N | N | N |
| 78KF136 | N | -- | N | -- | -- | N | .001 | N | N | N | N |
| 78KF137 | N | -- | N | -- | N | N | .001 | N | N | N | N |
| 78KF141 | N | -- | N | -- | -- | N | .010 | N | N | N | N |
| 78KF142 | N | -- | N | -- | -- | N | .020 | N | N | N | N |
| 78KF144 | N | -- | N | -- | -- | N | .002 | N | N | N | N |
| 78KF146 | N | -- | N | -- | N | N | .001 | N | N | N | N |
| 78KF199 | N | -- | N | -- | -- | N | N | N | N | N | N |
| 78KF200 | N | -- | N | -- | -- | N | N | N | N | N | .001 |
| 78KF201 | <50 | -- | N | -- | N | N | N | N | N | N | N |
| 78KF202 | N | -- | N | -- | -- | N | N | N | N | N | N |
| 78KF203 | N | -- | N | -- | -- | N | .050 | N | N | N | .001 |
| 78KF204 | N | -- | N | -- | N | N | .007 | N | N | N | .001 |
| 78KF205 | N | -- | N | -- | -- | N | .005 | N | N | N | .020 |
| 78KF206 | N | -- | N | -- | -- | N | N | N | N | N | N |
| 78KF180 | N | -- | N | -- | <.02 | N | .001 | N | N | N | .002 |
| 78KF181 | N | -- | N | -- | -- | N | N | N | N | N | .020 |
| 78KF182 | N | -- | N | -- | -- | .100 | .060 | N | N | N | N |
| 78KF183 | N | -- | N | -- | -- | .030 | .100 | N | N | N | N |
| 78KF184 | N | -- | N | -- | -- | N | .005 | N | N | N | .005 |
| 78KF185 | N | -- | N | -- | N | .020 | .150 | N | N | N | .010 |
| 78KF186 | N | -- | N | -- | -- | N | N | N | N | N | N |
| 78KF187 | N | -- | N | -- | -- | N | .005 | N | N | N | .002 |
| 78KF188 | N | -- | N | -- | -- | .020 | .015 | N | N | N | N |
| 78KF190 | N | -- | N | -- | N | N | .010 | N | N | N | .001 |
| 78KF192 | N | -- | N | -- | N | N | N | N | N | N | N |
| 78KF193 | N | -- | N | -- | -- | N | .030 | N | N | N | N |
| 78KF194 | N | -- | N | -- | -- | N | N | N | N | N | N |
| 78KF167 | N | -- | N | -- | -- | N | .001 | N | N | N | .005 |
| 78KF169 | N | -- | N | -- | -- | N | N | N | N | N | N |
| 78KF177 | N | -- | N | -- | -- | N | N | N | N | N | N |
| 78KF178 | N | -- | N | -- | N | N | N | N | N | N | N |
| 78KF179 | N | -- | N | -- | -- | N | N | N | N | N | N |
| 78KF153 | N | -- | N | -- | -- | .005 | .050 | N | N | N | .005 |
| 78KF156 | N | -- | N | -- | N | N | N | N | N | N | N |
| 78KF158 | N | -- | N | -- | -- | N | .020 | N | N | N | .005 |
| 78KF160 | N | -- | N | -- | -- | N | .100 | N | N | N | .005 |

Kalmiopsis Rock Analyses--continued

| Sample | X-COORD. | Y-COORD. | S-FE% | S-MG% | S-CA% | S-TI% | S-MN | S-AG | S-AS | S-AU | S-B | S-BA | S-BE | S-BI |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 78KF162 | 432,167 | 4,691,700 | 7.0 | -- | -- | -- | 1,000 | N | N | N | N | 20 | N | N |
| 78KP061 | 415,044 | 4,700,540 | 10.0 | 7.0 | <.05 | -- | 1,000 | N | N | N | 150 | N | N | N |
| 78KN005 | 422,310 | 4,661,350 | 7.0 | 7.0 | 1.00 | -- | 1,500 | N | N | N | <20 | N | N | N |
| 78KW024 | 430,283 | 4,688,740 | 7.0 | -- | -- | -- | 1,500 | N | N | N | <20 | 150 | N | N |
| 78KW029 | 429,319 | 4,691,190 | 10.0 | -- | -- | -- | 1,500 | N | N | N | 20 | 70 | N | N |
| 78KW033 | 429,000 | 4,693,450 | 10.0 | -- | -- | -- | 2,000 | N | N | N | 20 | 150 | N | N |
| 78KW059 | 416,315 | 4,694,170 | 5.0 | 7.0 | .70 | -- | 700 | N | N | N | <20 | <20 | N | N |
| 78KC009A | 424,220 | 4,663,490 | 7.0 | 7.0 | .70 | -- | 1,000 | N | N | N | 20 | N | N | N |
| 78KC015 | 424,099 | 4,661,590 | 7.0 | 7.0 | .70 | -- | 700 | N | N | N | N | N | N | N |
| 78KC001 | 432,050 | 4,666,950 | 7.0 | 7.0 | .50 | -- | 1,500 | N | N | N | 150 | N | N | N |
| 78KC106 | 407,240 | 4,693,510 | 7.0 | 7.0 | .05 | -- | 1,000 | N | N | N | 20 | N | N | N |
| 78KC123 | 406,990 | 4,692,670 | 7.0 | 7.0 | 1.00 | -- | 1,000 | N | N | N | 150 | <20 | N | N |
| 78KC003 | 432,672 | 4,666,420 | 7.0 | 10.0 | 1.00 | -- | 1,000 | N | N | N | 50 | N | N | N |
| 78KC006 | 423,504 | 4,664,950 | 7.0 | 7.0 | .70 | -- | 1,000 | N | N | N | N | N | N | N |
| 78KS022 | 433,718 | 4,667,210 | 7.0 | 7.0 | .50 | -- | 500 | N | N | N | 200 | N | N | N |
| 78KS023A | 433,825 | 4,666,810 | 10.0 | -- | -- | -- | 2,000 | N | N | N | 20 | 150 | N | N |
| 78KS029 | 434,500 | 4,665,190 | 10.0 | -- | -- | -- | 1,500 | N | N | N | <20 | 300 | N | N |
| 78KS001 | 430,347 | 4,666,370 | 7.0 | 7.0 | 1.00 | -- | 700 | N | N | N | 50 | N | N | N |
| 78KS014 | 431,249 | 4,664,510 | 7.0 | 7.0 | 5.00 | -- | 1,500 | N | N | N | 20 | 70 | N | N |
| 78KJ007 | 416,440 | 4,696,850 | 7.0 | -- | -- | -- | 2,000 | N | N | N | 50 | 150 | N | N |
| 78KJ015 | 417,046 | 4,697,490 | 5.0 | -- | -- | -- | 1,500 | N | N | N | N | <20 | N | N |
| 78KJ020 | 416,625 | 4,697,950 | 10.0 | -- | -- | -- | 1,500 | N | N | N | 50 | 70 | N | N |
| 78KJ004 | 415,500 | 4,696,250 | 5.0 | 7.0 | 1.50 | -- | 1,000 | N | N | N | N | N | N | N |
| 78KJ006 | 416,255 | 4,697,070 | 7.0 | -- | -- | -- | 1,000 | N | N | N | 100 | 300 | N | N |
| 78KJC09 | 416,832 | 4,697,000 | 10.0 | 5.0 | 7.00 | -- | 1,500 | N | N | N | <20 | <20 | N | N |
| 78KJ003 | 415,700 | 4,698,100 | 5.0 | 7.0 | .50 | -- | 1,000 | N | N | N | 70 | N | N | N |
| 78KP064 | 415,259 | 4,700,790 | 20.0 | .3 | <.05 | -- | 1,500 | N | N | N | N | 100 | N | N |
| 78KP083 | 415,031 | 4,699,090 | 7.0 | 7.0 | 7.00 | -- | 1,500 | N | N | N | <20 | N | N | N |
| 78KG005A | 429,302 | 4,662,570 | 7.0 | -- | -- | -- | 1,500 | N | N | N | 20 | 100 | N | N |
| 78KP077 | 413,202 | 4,699,020 | 20.0 | 1.0 | <.05 | -- | 1,500 | 3.0 | <200 | N | <20 | 50 | N | N |
| 78KF106 | 417,172 | 4,696,950 | 7.0 | -- | -- | -- | 1,500 | N | N | N | 20 | 70 | N | N |
| 78KF049 | 425,919 | 4,662,890 | 5.0 | 5.0 | <.05 | -- | 700 | N | N | N | 150 | N | N | N |
| 78KFC19 | 421,037 | 4,661,570 | 5.0 | 7.0 | .70 | -- | 1,000 | N | N | N | 20 | N | N | N |
| 78KF152 | 432,105 | 4,689,940 | 7.0 | -- | -- | -- | 1,500 | .7 | N | N | <20 | 100 | N | N |
| 78KF028 | 421,350 | 4,665,690 | 7.0 | -- | -- | -- | 1,000 | N | N | N | <20 | 300 | N | N |
| 78KF025 | 421,741 | 4,666,170 | 10.0 | -- | -- | -- | 1,500 | N | N | N | 30 | 150 | N | N |
| 78KFC26 | 421,864 | 4,665,960 | 7.0 | 7.0 | .70 | -- | 1,000 | N | N | N | <20 | N | N | N |
| 78KJ032 | 423,887 | 4,655,510 | 7.0 | 7.0 | <.05 | -- | 700 | N | N | N | 20 | N | N | N |
| 78KJ029 | 425,033 | 4,656,720 | 7.0 | 7.0 | <.05 | -- | 1,000 | 1.0 | N | N | 200 | N | N | N |
| 78KF017 | 421,970 | 4,662,560 | 7.0 | -- | -- | -- | 1,500 | N | N | N | N | 300 | N | N |
| 78KF159 | 431,500 | 4,692,050 | 10.0 | -- | -- | -- | 1,500 | N | N | N | 20 | 50 | N | N |
| 78KJC31 | 424,521 | 4,656,060 | 7.0 | 7.0 | .30 | -- | 1,000 | N | N | N | 100 | N | N | N |
| 78KZ031 | 419,777 | 4,668,780 | 7.0 | 10.0 | .30 | -- | 1,000 | N | N | N | N | N | N | N |
| 78KP086 | 415,930 | 4,699,040 | 7.0 | -- | -- | -- | 1,000 | N | N | N | N | 50 | N | N |
| 78KP016 | 422,558 | 4,660,030 | 7.0 | 7.0 | .50 | -- | 1,000 | N | N | N | N | N | N | N |

Kalmiopsis Rock Analyses--continued

| Samole | S-CD | S-CO | S-CR | S-CU | S-LA | S-MO | S-NB | S-NI | S-PB | S-SB | S-SC | S-SN | S-SR | S-V |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 78KF162 | N | 70 | 70 | 300 | -- | N | -- | 30 | N | N | -- | N | -- | 700 |
| 78KP061 | N | 100 | 5,000 | 5 | -- | N | -- | 1,500 | N | N | -- | N | -- | 30 |
| 78KN005 | N | 100 | 5,000 | 10 | -- | N | -- | 3,000 | N | N | -- | N | -- | 50 |
| 78KW024 | N | 20 | N | 5 | -- | N | -- | 5 | N | N | -- | N | -- | 300 |
| 78KW029 | N | 70 | N | 150 | -- | N | -- | 15 | N | N | -- | N | -- | 700 |
| 78KW033 | N | 50 | <50 | 100 | -- | N | -- | 10 | N | N | -- | N | -- | 500 |
| 78KW059 | N | 100 | >5,000 | 5 | -- | N | -- | 3,000 | N | N | -- | N | -- | 50 |
| 78KC009A | N | 150 | >5,000 | 20 | -- | N | -- | 5,000 | N | N | -- | N | -- | 70 |
| 78KC015 | N | 150 | >5,000 | 10 | -- | N | -- | 5,000 | N | N | -- | N | -- | 50 |
| 78KC001 | N | 150 | >5,000 | 20 | -- | N | -- | 2,000 | N | N | -- | N | -- | 70 |
| 78KC106 | N | 150 | >5,000 | 5 | -- | N | -- | 3,000 | N | N | -- | N | -- | 30 |
| 78KC123 | N | 150 | >5,000 | 10 | -- | N | -- | 5,000 | N | N | -- | N | -- | 70 |
| 78KC003 | N | 150 | >5,000 | 7 | -- | N | -- | 3,000 | N | N | -- | N | -- | 70 |
| 78KC006 | N | 100 | >5,000 | 10 | -- | N | -- | 5,000 | N | N | -- | N | -- | 50 |
| 78KS022 | N | 100 | >5,000 | 7 | -- | N | -- | 2,000 | N | N | -- | N | -- | 70 |
| 78KS023A | N | 50 | 100 | 5 | -- | N | -- | 50 | N | N | -- | N | -- | 300 |
| 78KS029 | N | 50 | N | 50 | -- | N | -- | 20 | N | N | -- | N | -- | 500 |
| 78KS001 | N | 150 | >5,000 | <5 | -- | N | -- | 1,500 | N | N | -- | N | -- | 50 |
| 78KS014 | N | 100 | >5,000 | 50 | -- | N | -- | 300 | N | N | -- | N | -- | 300 |
| 78KJ007 | N | 50 | 70 | 150 | -- | N | -- | 15 | N | N | -- | N | -- | 300 |
| 78KJC15 | N | 70 | 700 | 15 | -- | N | -- | 70 | N | N | -- | N | -- | 200 |
| 78KJ020 | N | 70 | 100 | 200 | -- | N | -- | 30 | N | N | -- | N | -- | 500 |
| 78KJ004 | N | 150 | >5,000 | 15 | -- | N | -- | 2,000 | N | N | -- | N | -- | 70 |
| 78KJ006 | N | 50 | 1,000 | 50 | -- | N | -- | 100 | <20 | N | -- | N | -- | 500 |
| 78KJ009 | N | 50 | 2,000 | 500 | -- | N | -- | 70 | N | N | -- | N | -- | 200 |
| 78KJC03 | N | 100 | 5,000 | 30 | -- | N | -- | 2,000 | N | N | -- | N | -- | 50 |
| 78KP064 | N | 50 | >5,000 | 15 | -- | N | -- | 100 | N | N | -- | N | -- | 1,500 |
| 78KP083 | N | 150 | >5,000 | 10 | -- | N | -- | 1,000 | N | N | -- | N | -- | 150 |
| 78KG005A | N | 30 | 200 | N | -- | N | -- | 50 | N | N | -- | N | -- | 150 |
| 78KP077 | N | 500 | 5,000 | 15,000 | -- | N | -- | 5,000 | N | N | -- | N | -- | 30 |
| 78KF106 | N | 70 | 1,500 | 15 | -- | N | -- | 100 | N | N | -- | N | -- | 200 |
| 78KF049 | N | 100 | 5,000 | 15 | -- | N | -- | 5,000 | N | N | -- | N | -- | 50 |
| 78KF019 | N | 100 | >5,000 | 15 | -- | N | -- | 3,000 | N | N | -- | N | -- | 50 |
| 78KF152 | N | 50 | 700 | 7 | -- | N | -- | 100 | N | N | -- | N | -- | 200 |
| 78KF028 | N | 30 | 300 | 15 | -- | N | -- | 70 | N | N | -- | N | -- | 100 |
| 78KF025 | N | 70 | 500 | 50 | -- | N | -- | 100 | N | N | -- | N | -- | 200 |
| 78KF026 | N | 70 | >5,000 | 15 | -- | N | -- | 3,000 | N | N | -- | N | -- | 50 |
| 78KJ032 | N | 100 | >5,000 | 15 | -- | N | -- | 3,000 | N | N | -- | N | -- | 50 |
| 78KJ029 | N | 70 | 5,000 | <5 | -- | N | -- | 2,000 | N | N | -- | N | -- | 50 |
| 78KF017 | N | 30 | 700 | 15 | -- | N | -- | 150 | N | N | -- | N | -- | 150 |
| 78KF159 | N | 30 | <50 | 200 | -- | N | -- | 30 | N | N | -- | N | -- | 700 |
| 78KJ031 | N | 100 | 5,000 | 5 | -- | N | -- | 2,000 | N | N | -- | N | -- | 30 |
| 78KZ031 | N | 100 | >5,000 | 10 | -- | N | -- | 2,000 | N | N | -- | N | -- | 20 |
| 78KP086 | N | 50 | 1,500 | 5 | -- | N | -- | 300 | N | N | -- | N | -- | 150 |
| 78KP016 | N | 100 | >5,000 | 10 | -- | N | -- | 2,000 | N | N | -- | N | -- | 30 |

Kalmiopsis Rock Analyses--continued

| Sample | S-W | S-Y | S-ZN | S-ZR | INST-HG | AS-PT | AS-PD | AS-RH | AS-RU | AS-IR | AS-AU |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 78KF162 | N | -- | N | -- | -- | .010 | .070 | N | N | N | .005 |
| 78KP061 | N | -- | N | -- | -- | N | .003 | N | N | N | N |
| 78KN005 | N | -- | N | -- | -- | .010 | .010 | N | N | N | N |
| 78KW024 | N | -- | N | -- | N | N | N | N | N | N | N |
| 78KW029 | N | -- | N | -- | -- | N | .015 | N | N | N | .001 |
| 78KW033 | N | -- | N | -- | -- | N | .005 | N | N | N | N |
| 78KW059 | N | -- | N | -- | -- | .015 | .010 | N | N | N | N |
| 78KC009A | N | -- | N | -- | -- | .020 | .010 | N | N | N | N |
| 78KC015 | N | -- | N | -- | -- | .015 | .010 | N | N | N | N |
| 78KC001 | N | -- | N | -- | -- | .020 | .015 | N | N | N | N |
| 78KC106 | N | -- | N | -- | .02 | .010 | .005 | N | N | N | N |
| 78KC123 | N | -- | N | -- | <.02 | .010 | .010 | N | N | N | N |
| 78KC003 | N | -- | N | -- | -- | .010 | .010 | N | N | N | N |
| 78KC006 | N | -- | N | -- | -- | .015 | .010 | .005 | N | N | N |
| 78KS022 | N | -- | N | -- | -- | .020 | .010 | N | N | N | N |
| 78KS023A | N | -- | N | -- | -- | N | N | N | N | N | N |
| 78KS029 | N | -- | <200 | -- | -- | N | N | N | N | N | N |
| 78KS001 | N | -- | N | -- | -- | .010 | .005 | N | N | N | N |
| 78KS014 | N | -- | 200 | -- | -- | .010 | .010 | N | N | N | N |
| 78KJ007 | N | -- | <200 | -- | N | N | .003 | N | N | N | .001 |
| 78KJ015 | N | -- | N | -- | -- | .050 | .070 | N | N | N | .003 |
| 78KJ020 | N | -- | N | -- | N | N | .005 | N | N | N | .001 |
| 78KJ004 | N | -- | N | -- | -- | .010 | .010 | N | N | N | N |
| 78KJ006 | N | -- | 200 | -- | -- | N | .002 | N | N | N | N |
| 78KJ009 | N | -- | <200 | -- | -- | .150 | .200 | .005 | N | N | N |
| 78KJ003 | N | -- | -- | -- | -- | .010 | .010 | N | N | N | N |
| 78KP064 | N | -- | 1,000 | -- | N | N | N | N | N | N | .020 |
| 78KP083 | N | -- | N | -- | -- | .010 | .010 | N | N | N | N |
| 78KG005A | N | -- | N | -- | -- | N | N | N | N | N | N |
| 78KP077 | N | -- | 1,000 | -- | .04 | .020 | .010 | N | N | N | .100 |
| 78KF106 | N | -- | N | -- | -- | .005 | .007 | N | N | N | N |
| 78KF049 | N | -- | N | -- | -- | .020 | .010 | N | N | N | N |
| 78KFC19 | N | -- | N | -- | -- | N | .010 | N | N | N | N |
| 78KF152 | N | -- | N | -- | <.02 | N | N | N | N | N | N |
| 78KF028 | N | -- | N | -- | -- | N | N | N | N | N | N |
| 78KF025 | N | -- | N | -- | N | N | N | N | N | N | N |
| 78KF026 | N | -- | N | -- | -- | .020 | .020 | .005 | N | N | N |
| 78KJ032 | N | -- | N | -- | -- | .010 | .010 | .005 | N | N | N |
| 78KJ029 | N | -- | N | -- | N | .020 | .020 | .007 | N | N | N |
| 78KF017 | N | -- | N | -- | -- | N | .005 | N | N | N | N |
| 78KF159 | N | -- | N | -- | -- | N | .050 | .002 | N | N | .001 |
| 78KJ031 | N | -- | N | -- | -- | N | .020 | .005 | N | N | N |
| 78KZ031 | N | -- | N | -- | -- | .015 | .020 | N | N | N | N |
| 78KP086 | N | -- | N | -- | -- | N | .010 | N | N | N | N |
| 78KP016 | N | -- | N | -- | N | .020 | .010 | N | N | N | N |

Kalmiopsis Rock Analyses--continued

| Sample | X-COORD. | Y-COORD. | S-FE% | S-MG% | S-CA% | S-TI% | S-MN | S-AG | S-AS | S-AU | S-B | S-BA | S-BE | S-BI |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 78KP085 | 415,266 | 4,699,140 | 10.0 | 7.0 | 1.50 | -- | 1,000 | N | N | N | 70 | <20 | N | N |
| 78KZ024 | 418,640 | 4,670,310 | 7.0 | 7.0 | .70 | -- | 700 | N | N | N | N | N | N | N |
| 78KP084 | 415,031 | 4,699,090 | 7.0 | 7.0 | .50 | -- | 700 | N | N | N | <20 | N | N | N |
| 78KZ025 | 418,760 | 4,670,130 | 7.0 | 7.0 | <.05 | -- | 700 | N | N | N | N | N | N | N |
| 78KZ035 | 421,497 | 4,666,800 | 7.0 | 7.0 | .30 | -- | 700 | N | N | N | N | N | N | N |
| 78KZ034 | 420,744 | 4,668,260 | 5.0 | 7.0 | .50 | -- | 700 | N | N | N | <20 | N | N | N |
| 78KP020 | 421,217 | 4,657,360 | 7.0 | 7.0 | .70 | -- | 700 | N | N | N | N | N | N | N |
| 78KG194 | 424,500 | 4,685,750 | 10.0 | -- | -- | -- | 1,000 | N | N | N | <20 | <20 | N | N |
| 78KG192 | 424,175 | 4,684,850 | 7.0 | -- | -- | -- | 1,000 | N | N | N | <20 | 30 | N | N |
| 78KG190 | 424,700 | 4,686,310 | 7.0 | 7.0 | 1.00 | -- | 1,000 | N | N | N | <20 | N | N | N |
| 78KG188 | 424,650 | 4,686,250 | 7.0 | 7.0 | 7.00 | -- | 1,000 | N | N | N | 30 | N | N | N |
| 78KG165 | 414,798 | 4,691,750 | 7.0 | -- | -- | -- | 1,000 | N | N | N | N | 70 | N | N |
| 78KG198 | 424,800 | 4,685,350 | 5.0 | 7.0 | 7.00 | -- | 700 | N | N | N | N | N | N | N |
| 78KG193 | 424,500 | 4,685,750 | 10.0 | -- | -- | -- | 1,500 | N | N | N | <20 | 20 | N | N |
| 78KP014 | 422,777 | 4,657,030 | 7.0 | 7.0 | .30 | -- | 700 | N | N | N | N | N | N | N |
| 78KG189 | 424,700 | 4,686,310 | 10.0 | 7.0 | .05 | -- | 700 | N | N | N | N | N | N | N |
| 78KP071 | 417,617 | 4,700,350 | 3.0 | -- | -- | -- | 1,000 | N | N | N | N | 700 | N | N |
| 78KG019A | 418,332 | 4,668,590 | 7.0 | 7.0 | <.05 | -- | 1,000 | N | N | N | 70 | <20 | N | N |
| 78KG178 | 424,175 | 4,685,350 | 7.0 | 7.0 | 7.00 | -- | 2,000 | N | N | N | N | <20 | N | N |
| 78KC014 | 424,131 | 4,661,970 | 5.0 | 7.0 | .05 | -- | 700 | N | N | N | 20 | N | N | N |
| 78KF019 | 421,037 | 4,661,570 | 7.0 | 7.0 | .50 | -- | 700 | N | N | N | <20 | N | N | N |
| 78KL202 | 434,455 | 4,683,700 | 5.0 | 7.0 | .10 | -- | 700 | N | N | N | N | N | N | N |
| 78KG190 | 424,700 | 4,686,310 | 7.0 | 7.0 | 1.00 | -- | 1,000 | N | N | N | N | N | N | N |
| 78KP082 | 415,031 | 4,699,090 | 7.0 | 7.0 | 5.00 | -- | 700 | N | N | N | <20 | N | N | N |
| 78KG197 | 433,250 | 4,683,050 | 7.0 | -- | -- | -- | 1,500 | N | N | N | N | N | N | N |
| 78KGC42 | 415,223 | 4,696,890 | 5.0 | 7.0 | 1.00 | -- | 700 | N | N | N | N | N | N | N |
| 78KG165 | 414,798 | 4,691,750 | 7.0 | -- | -- | -- | 1,000 | N | N | N | N | 70 | N | N |
| 78KF054 | 423,366 | 4,662,810 | 5.0 | 5.0 | .05 | -- | 500 | N | N | N | 30 | N | N | N |
| 78KG027 | 421,051 | 4,664,100 | 5.0 | 7.0 | 7.00 | -- | 1,500 | N | N | N | N | N | N | N |
| 78KG153 | 413,146 | 4,691,960 | 5.0 | -- | -- | -- | 700 | N | N | N | N | <20 | N | N |
| 78KG155 | 412,865 | 4,692,140 | 7.0 | -- | -- | -- | 1,500 | N | N | N | N | 100 | N | N |
| 78KN039 | 416,800 | 4,697,000 | 7.0 | 7.0 | .05 | -- | 200 | N | N | N | 50 | N | N | N |
| 78KF041 | 425,875 | 4,664,450 | 7.0 | 7.0 | <.05 | -- | 1,500 | N | N | N | 150 | N | N | N |
| 78KG162 | 413,025 | 4,692,740 | 7.0 | -- | -- | -- | 1,500 | N | N | N | 20 | 150 | N | N |
| 78KG166 | 414,504 | 4,693,230 | 7.0 | -- | -- | -- | 1,500 | N | N | N | 30 | 150 | N | N |
| 78KG152 | 413,146 | 4,691,960 | 7.0 | -- | -- | -- | 1,500 | N | N | N | 20 | 150 | N | N |
| 78KG044 | 415,746 | 4,696,620 | 5.0 | 7.0 | 2.00 | -- | 700 | N | N | N | N | N | N | N |
| 78KL078 | 406,300 | 4,691,580 | 7.0 | 7.0 | .50 | -- | 1,000 | N | N | N | 100 | N | N | N |
| 78KL040 | 417,629 | 4,670,590 | 7.0 | 7.0 | .70 | -- | 1,000 | N | N | N | N | N | N | N |
| 78KG158 | 412,995 | 4,691,210 | 20.0 | 1.0 | 1.00 | -- | 700 | .5 | N | N | <20 | 20 | N | N |
| 78KP033 | 415,031 | 4,699,090 | 7.0 | 7.0 | 3.00 | -- | 1,000 | N | N | N | <20 | N | N | N |
| 78KL045 | 417,800 | 4,654,400 | 5.0 | 5.0 | .05 | -- | 700 | N | N | N | 100 | N | N | N |
| 78KL046 | 417,800 | 4,654,400 | 7.0 | 5.0 | 7.00 | -- | 1,500 | N | N | N | 30 | 70 | N | N |
| 78KL047 | 417,800 | 4,654,400 | 5.0 | 7.0 | .50 | -- | 700 | N | N | N | 70 | 100 | N | N |
| 78KL048 | 417,800 | 4,654,400 | 3.0 | 5.0 | .50 | -- | 300 | N | N | N | 30 | <20 | N | N |

Kalmiopsis Rock Analyses--continued

| Sample | S-CD | S-CO | S-CR | S-CU | S-LA | S-MO | S-NB | S-NI | S-PB | S-SB | S-SC | S-SN | S-SR | S-V |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 78KP085 | N | 100 | 5,000 | 15 | -- | N | -- | 1,500 | N | N | -- | N | -- | 70 |
| 78KZ024 | N | 100 | >5,000 | 10 | -- | N | -- | 5,000 | N | N | -- | N | -- | 50 |
| 78KP084 | N | 100 | >5,000 | 7 | -- | N | -- | 2,000 | N | N | -- | N | -- | 30 |
| 78KZ025 | N | 70 | 1,500 | 5 | -- | N | -- | 3,000 | N | N | -- | N | -- | 15 |
| 78KZ035 | N | 70 | 5,000 | 5 | -- | N | -- | 2,000 | N | N | -- | N | -- | 30 |
| 78KZ034 | N | 70 | 5,000 | <5 | -- | N | -- | 2,000 | N | N | -- | N | -- | 20 |
| 78KP020 | N | 70 | 5,000 | 7 | -- | N | -- | 2,000 | N | N | -- | N | -- | 50 |
| 78KG194 | N | 100 | 500 | 10 | -- | N | -- | 500 | N | N | -- | N | -- | 70 |
| 78KG192 | N | 30 | N | 100 | -- | N | -- | 7 | N | N | -- | N | -- | 500 |
| 78KG190 | N | 100 | >5,000 | 7 | -- | N | -- | 1,500 | N | N | -- | N | -- | 50 |
| 78KG188 | N | 70 | 5,000 | 150 | -- | N | -- | 300 | N | N | -- | N | -- | 100 |
| 78KG165 | N | 7 | <50 | <5 | -- | N | -- | 15 | N | N | -- | N | -- | 100 |
| 78KG198 | N | 70 | >5,000 | <5 | -- | N | -- | 500 | N | N | -- | N | -- | 100 |
| 78KG193 | N | 100 | 1,000 | 150 | -- | N | -- | 300 | N | N | -- | N | -- | 150 |
| 78KP014 | N | 100 | >5,000 | 150 | -- | N | -- | 2,000 | N | N | -- | N | -- | 30 |
| 78KG189 | N | 100 | >5,000 | 70 | -- | N | -- | 2,000 | N | N | -- | N | -- | 70 |
| 78KP071 | N | 7 | <50 | 5 | -- | N | -- | 30 | N | N | -- | N | -- | 50 |
| 78KG019A | N | 150 | 5,000 | 7 | -- | N | -- | 5,000 | N | N | -- | N | -- | 70 |
| 78KG178 | N | 50 | 2,000 | 30 | -- | N | -- | 70 | N | N | -- | N | -- | 200 |
| 78KC014 | N | 70 | 5,000 | <5 | -- | N | -- | 3,000 | N | N | -- | N | -- | 20 |
| 78KF019 | N | 100 | 5,000 | 10 | -- | N | -- | 2,000 | N | N | -- | N | -- | 50 |
| 78KL202 | N | 100 | 5,000 | <5 | -- | N | -- | 2,000 | N | N | -- | N | -- | 20 |
| 78KG190 | N | 100 | >5,000 | 10 | -- | N | -- | 1,500 | N | N | -- | N | -- | 50 |
| 78KP082 | N | 50 | >5,000 | 5 | -- | N | -- | 1,000 | N | N | -- | N | -- | 70 |
| 78KG197 | N | 70 | 700 | 7 | -- | N | -- | 100 | N | N | -- | N | -- | 200 |
| 78KG042 | N | 100 | 5,000 | 10 | -- | N | -- | 3,000 | N | N | -- | N | -- | 70 |
| 78KG165 | N | 5 | <50 | <5 | -- | N | -- | 10 | <20 | N | -- | N | -- | 100 |
| 78KF054 | N | 70 | 2,000 | 5 | -- | N | -- | 1,000 | N | N | -- | N | -- | 30 |
| 78KG027 | N | 50 | 5,000 | 7 | -- | N | -- | 1,500 | N | N | -- | N | -- | 30 |
| 78KG153 | N | 30 | 100 | 5 | -- | N | -- | 50 | N | N | -- | N | -- | 70 |
| 78KG155 | N | 50 | 70 | 100 | -- | N | -- | 30 | N | N | -- | N | -- | 500 |
| 78KN039 | N | 100 | >5,000 | 20 | -- | N | -- | 1,000 | N | N | -- | N | -- | 50 |
| 78KF041 | N | 100 | >5,000 | 7 | -- | N | -- | 3,000 | N | N | -- | N | -- | 30 |
| 78KG162 | N | 20 | N | 7 | -- | N | -- | 10 | N | N | -- | N | -- | 150 |
| 78KG166 | N | 30 | N | 50 | -- | N | -- | 7 | N | N | -- | N | -- | 200 |
| 78KG152 | N | 50 | 50 | 30 | -- | N | -- | 20 | N | N | -- | N | -- | 200 |
| 78KG044 | N | 100 | 2,000 | 5 | -- | N | -- | 1,500 | N | N | -- | N | -- | 50 |
| 78KL078 | N | 150 | 5,000 | 10 | -- | N | -- | 3,000 | N | N | -- | N | -- | 50 |
| 78KL040 | N | 150 | 5,000 | 15 | -- | N | -- | 3,000 | N | N | -- | N | -- | 50 |
| 78KG158 | N | 5 | 1,000 | 200 | -- | N | -- | 20 | N | N | -- | N | -- | 500 |
| 78KP083 | N | 100 | 3,000 | 7 | -- | N | -- | 700 | N | N | -- | N | -- | 100 |
| 78KL045 | N | 100 | 1,500 | 7 | -- | N | -- | 2,000 | N | N | -- | N | -- | 30 |
| 78KL046 | N | 50 | 1,000 | 150 | -- | N | -- | 150 | N | N | -- | N | -- | 200 |
| 78KL047 | N | 70 | 5,000 | 10 | -- | N | -- | 1,500 | N | N | -- | N | -- | 50 |
| 78KL048 | N | 30 | 1,500 | <5 | -- | N | -- | 1,500 | N | N | -- | N | -- | 20 |

Kalmiopsis Rock Analyses--continued

| Sample | S-W | S-Y | S-ZN | S-ZR | INST-HG | AS-PT | AS-PD | AS-RH | AS-RU | AS-IR | AS-AU |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 78KP085 | N | -- | N | -- | -- | .010 | .010 | N | N | N | N |
| 78KZ024 | N | -- | N | -- | -- | .020 | .015 | N | N | N | N |
| 78KP084 | N | -- | N | -- | -- | .030 | .100 | N | N | N | N |
| 78KZ025 | N | -- | N | -- | -- | .005 | .010 | N | N | N | N |
| 78KZ035 | N | -- | N | -- | -- | .020 | .100 | N | N | N | N |
| 78KZ034 | N | -- | N | -- | -- | .010 | N | N | N | N | N |
| 78KP020 | N | -- | N | -- | -- | .010 | .007 | N | N | N | N |
| 78KG194 | N | -- | N | -- | -- | .050 | .070 | N | N | N | .002 |
| 78KG192 | N | -- | N | -- | N | N | N | N | N | N | N |
| 78KG190 | N | -- | N | -- | -- | N | .015 | N | N | N | N |
| 78KG188 | N | -- | N | -- | -- | .150 | .150 | N | N | N | .020 |
| 78KG165 | N | -- | <200 | -- | N | N | N | N | N | N | N |
| 78KG198 | N | -- | N | -- | -- | N | .007 | N | N | N | N |
| 78KG193 | N | -- | N | -- | -- | .150 | .100 | N | N | N | .010 |
| 78KP014 | N | -- | N | -- | -- | .010 | .020 | N | N | N | N |
| 78KG189 | N | -- | N | -- | N | N | N | N | N | N | N |
| 78KP071 | N | -- | N | -- | -- | N | N | N | N | N | N |
| 78KG019A | N | -- | N | -- | -- | .010 | .002 | N | N | N | N |
| 78KG178 | N | -- | N | -- | -- | .005 | .030 | N | N | N | N |
| 78KC014 | N | -- | N | -- | N | N | N | N | N | N | N |
| 78KF019 | N | -- | N | -- | -- | .010 | .007 | N | N | N | N |
| 78KL202 | N | -- | N | -- | -- | N | N | N | N | N | N |
| 78KG190 | N | -- | N | -- | -- | .010 | .010 | N | N | N | N |
| 78KP082 | N | -- | N | -- | -- | .030 | .020 | N | N | N | N |
| 78KG197 | N | -- | N | -- | -- | N | .010 | N | N | N | N |
| 78KGC42 | N | -- | N | -- | -- | N | .002 | N | N | N | N |
| 78KG165 | N | -- | N | -- | N | N | N | N | N | N | N |
| 78KF054 | N | -- | N | -- | -- | N | .010 | N | N | N | N |
| 78KG027 | N | -- | N | -- | -- | .020 | .020 | N | N | N | N |
| 78KG153 | N | -- | N | -- | -- | N | N | N | N | N | N |
| 78KG155 | N | -- | N | -- | N | N | N | N | N | N | N |
| 78KN039 | N | -- | N | -- | -- | .010 | .006 | N | N | N | N |
| 78KF041 | N | -- | N | -- | -- | .010 | .006 | N | N | N | N |
| 78KG162 | N | -- | N | -- | -- | N | N | N | N | N | N |
| 78KG166 | N | -- | N | -- | N | N | N | N | N | N | N |
| 78KG152 | N | -- | N | -- | -- | N | N | N | N | N | N |
| 78KG044 | N | -- | N | -- | -- | .100 | .070 | N | N | N | N |
| 78KL078 | N | -- | N | -- | -- | .010 | .004 | N | N | N | N |
| 78KL040 | N | -- | N | -- | -- | .020 | .010 | N | N | N | N |
| 78KG158 | N | -- | N | -- | -- | .010 | .070 | N | N | N | .100 |
| 78KP083 | N | -- | N | -- | -- | .005 | .010 | N | N | N | N |
| 78KL045 | N | -- | N | -- | -- | .005 | .020 | N | N | N | N |
| 78KL046 | N | -- | N | -- | <.02 | N | .002 | N | N | N | N |
| 78KL047 | N | -- | N | -- | -- | .010 | .010 | N | N | N | N |
| 78KL048 | N | -- | N | -- | -- | .005 | .010 | N | N | N | N |

Kalmiopsis Rock Analyses--continued

| Sample | X-COORD. | Y-COORD. | S-FE% | S-MG% | S-CA% | S-TI% | S-MN | S-AG | S-AS | S-AU | S-B | S-BA | S-BE | S-BI |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 78KL049 | 417,800 | 4,654,400 | 7.0 | 5.0 | 5.00 | -- | 1,500 | N | N | N | <20 | 150 | N | N |
| 78KL050 | 417,800 | 4,654,400 | 5.0 | -- | -- | -- | 1,500 | N | N | N | 20 | 100 | 5 | N |
| 78KL051 | 417,800 | 4,654,400 | 7.0 | 7.0 | <.05 | -- | 1,500 | N | N | N | 150 | N | N | N |
| 78KL107 | 425,863 | 4,693,510 | 7.0 | -- | -- | -- | 3,000 | N | N | N | 100 | 300 | N | N |
| 78KL133 | 412,757 | 4,693,520 | 5.0 | 7.0 | .20 | -- | 700 | N | N | N | 50 | N | N | N |
| 78KG199 | 425,100 | 4,686,050 | 3.0 | 7.0 | 7.00 | -- | 1,000 | N | N | N | N | N | N | N |
| 78KL044 | 417,800 | 4,654,400 | 7.0 | 7.0 | 5.00 | -- | 1,500 | N | N | N | 20 | 50 | N | N |
| 78KG123 | 424,882 | 4,686,660 | 5.0 | 7.0 | 2.00 | -- | 1,000 | N | N | N | 70 | 30 | N | N |
| 2513 | -- | -- | 5.0 | 2.0 | 5.00 | .070 | 1,000 | 1.0 | N | N | 10 | 100 | N | N |
| 2521 | -- | -- | 5.0 | 2.0 | 3.00 | .500 | 1,000 | N | N | N | 10 | 200 | N | N |
| 2503 | -- | -- | 15.0 | 2.0 | 2.00 | .030 | 1,000 | 3.0 | N | N | 20 | 150 | N | N |
| 250 | -- | -- | 5.0 | 2.0 | 5.00 | .070 | 700 | 5.0 | N | N | 10 | 100 | N | N |
| 2533 | -- | -- | 15.0 | 2.0 | 1.00 | .020 | 700 | 1.0 | N | N | 20 | 150 | N | N |
| 2514 | -- | -- | 15.0 | 2.0 | .50 | .050 | 1,000 | 3.0 | N | N | 20 | 150 | N | N |
| S6211254 | -- | -- | 5.0 | 2.0 | 1.50 | 1.000 | 1,000 | 2.0 | N | N | 50 | 200 | N | N |
| S6111188 | -- | -- | 10.0 | 3.0 | 2.00 | .700 | 1,000 | N | N | N | 10 | 150 | N | N |

Kalmiopsis Rock Analyses--continued

| Sample | S-CD | S-CO | S-CR | S-CU | S-LA | S-MO | S-NB | S-NI | S-PB | S-SB | S-SC | S-SN | S-SR | S-V |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 78KL049 | N | 70 | 1,500 | 100 | -- | N | -- | 200 | N | N | -- | N | -- | 200 |
| 78KL050 | N | 30 | 700 | 70 | -- | N | -- | 200 | N | N | -- | N | -- | 150 |
| 78KL051 | N | 100 | >5,000 | 7 | -- | N | -- | 2,000 | N | N | -- | N | -- | 70 |
| 78KL107 | N | 100 | 500 | 200 | -- | N | -- | 70 | N | N | -- | N | -- | 150 |
| 78KL133 | N | 70 | 5,000 | 10 | -- | N | -- | 1,500 | N | N | -- | N | -- | 50 |
| 78KG199 | N | 50 | >5,000 | 5 | -- | N | -- | 200 | N | N | -- | N | -- | 100 |
| 78KL044 | N | 70 | 3,000 | 10 | -- | N | -- | 700 | N | N | -- | N | -- | 150 |
| 78KG123 | N | 50 | >5,000 | 10 | -- | N | -- | 700 | N | N | -- | N | -- | 50 |
| 2513 | N | 50 | 3,000 | 2,000 | 20 | N | <20 | 300 | N | N | 70 | N | N | 100 |
| 2521 | N | 30 | 300 | 50 | 20 | N | <20 | 70 | <10 | N | 50 | N | 200 | 150 |
| 2503 | N | 200 | 1,500 | 2,000 | 20 | N | <20 | 300 | N | N | 50 | N | N | 100 |
| 250 | N | 100 | 2,000 | 3,000 | 20 | N | <20 | 500 | N | N | 70 | N | N | 150 |
| 2533 | N | 200 | 1,000 | 3,000 | 20 | N | <20 | 500 | N | N | 20 | N | N | 30 |
| 2514 | N | 150 | 300 | 3,000 | 20 | N | <20 | 200 | N | N | 30 | N | 100 | 150 |
| S6211254 | N | 50 | 500 | 1,500 | 20 | N | <20 | 500 | 15 | N | 50 | N | 300 | 150 |
| S6111188 | N | 200 | 2,000 | 200 | <20 | N | <20 | 500 | N | N | 70 | N | <100 | 150 |

Kalmiopsis Rock Analyses--Continued

| Sample | S-W | S-Y | S-ZN | S-ZR | INST-HG | AS-PT | AS-PD | AS-RH | AS-RU | AS-IR | AS-AU |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 78KL049 | N | -- | N | -- | N | N | .005 | N | N | N | N |
| 78KL050 | N | -- | N | -- | N | N | .003 | N | N | N | N |
| 78KL051 | N | -- | N | -- | -- | .010 | .007 | N | N | N | N |
| 78KL107 | N | -- | <200 | -- | -- | N | .001 | N | N | N | N |
| 78KL133 | N | -- | N | -- | N | .020 | .010 | N | N | N | N |
| 78KG199 | N | -- | N | -- | -- | .010 | N | N | N | N | N |
| 78KL044 | N | -- | N | -- | -- | N | .005 | N | N | N | N |
| 78KG123 | N | -- | N | -- | -- | .060 | .030 | N | N | N | N |
| 2513 | N | <10 | <200 | N | -- | .150 | .300 | N | N | N | .100 |
| 2521 | N | 30 | <200 | 50 | -- | N | N | N | N | N | N |
| 2503 | N | <10 | 500 | N | -- | .150 | .500 | N | N | N | .150 |
| 250 | N | 10 | 200 | N | -- | .150 | .500 | .002 | N | N | .700 |
| 2533 | N | N | <200 | N | -- | .150 | .300 | N | N | N | .200 |
| 2514 | N | 10 | 1,000 | N | -- | .050 | .200 | N | N | N | .200 |
| S6211254 | N | 15 | <200 | 50 | -- | .015 | .070 | N | N | N | .005 |
| S6111188 | N | 20 | 200 | 20 | -- | N | N | N | N | N | N |