

**APPENDIX I**  
*FIGURES*

**APPENDIX II**  
*FORENSIC ANALYTICAL LABORATORY ANALYSES REPORT AND  
CHAIN OF CUSTODY FORMS*



Client Name & Address: **Youngdahl Consulting Group, Inc.**  
 1234 Glenhaven Drive  
 El Dorado Hills, CA 95762

Client No.: \_\_\_\_\_ PO / Job#: **E150561.001** Date: **2/14/18**

Turn Around Time:  Same Day /  1Day /  2Day /  3Day /  4Day /  5Day

PCM:  NIOSH 7400A /  NIOSH 7400B  Rotometer

PLM:  Standard /  Point Count  400-1000 /  CARB 435

Contact: **Kenneth Williams** Phone: **(209) 418-8020**

E-mail: **kaw@youngdahl.net**

Site Name: **Pilgrim Rock Quarry**

Site Location: **200 Highway 16, Plymouth, CA 95667**

Comments: **APN 001130008000**

Silica in Air  w/Gravimetry  
 Quartz Only

| Sample ID        | Date / Time | Sample Location / Description                               | FOR AIR SAMPLES ONLY   |             |         |            | Sample Area / Air Volume |
|------------------|-------------|---|--|-------------|---------|------------|--------------------------|
|                  |             |   | Type   | Time On/Off | Avg LPM | Total Time |                          |
| B-1 85'6" to 86' | 02/04/18    | Boring 1/Gopher Ridge Volcanics                             | <input type="checkbox"/> A<br><input type="checkbox"/> P<br><input type="checkbox"/> C |             |         |            |                          |
| B-2 19'2" to 20' | 02/04/18    | Boring 2/Gopher Ridge Volcanics                             | <input type="checkbox"/> A<br><input type="checkbox"/> P<br><input type="checkbox"/> C |             |         |            |                          |
| B-3 96' to 96'8" | 02/04/18    | Boring 3/Gopher Ridge Volcanics- Salt Springs Slate Contact | <input type="checkbox"/> A<br><input type="checkbox"/> P<br><input type="checkbox"/> C |             |         |            |                          |
| B-4 26'6" to 25' | 02/04/18    | Boring 4/Gopher Ridge Volcanics                             | <input type="checkbox"/> A<br><input type="checkbox"/> P<br><input type="checkbox"/> C |             |         |            |                          |
|                  |             |   | <input type="checkbox"/> A<br><input type="checkbox"/> P<br><input type="checkbox"/> C |             |         |            |                          |
|                  |             |   | <input type="checkbox"/> A<br><input type="checkbox"/> P<br><input type="checkbox"/> C |             |         |            |                          |
|                  |             |   | <input type="checkbox"/> A<br><input type="checkbox"/> P<br><input type="checkbox"/> C |             |         |            |                          |
|                  |             |   | <input type="checkbox"/> A<br><input type="checkbox"/> P<br><input type="checkbox"/> C |             |         |            |                          |
|                  |             |   | <input type="checkbox"/> A<br><input type="checkbox"/> P<br><input type="checkbox"/> C |             |         |            |                          |

Sampled By: **Kenneth Williams** Date/Time: **02/14/18** Shipped Via:  Fed Ex  UPS  US Mail  Courier  Drop Off  Other:

Relinquished By: *[Signature]* Relinquished By: \_\_\_\_\_ Relinquished By: \_\_\_\_\_

Date / Time: **2/14/18 01:30 PM** Date / Time: \_\_\_\_\_ Date / Time: \_\_\_\_\_

Received By: *[Signature]* Received By: \_\_\_\_\_ Received By: \_\_\_\_\_

Date / Time: **FEB 15 2018** Date / Time: \_\_\_\_\_ Date / Time: \_\_\_\_\_

Condition Acceptable?  Yes  No Condition Acceptable?  Yes  No Condition Acceptable?  Yes  No





# Bulk Asbestos Material Analysis

(Air Resources Board Method 435, June 6, 1991)

Youngdahl & Associates, Inc.  
Project Manager  
1234 Glenhaven Court

El Dorado Hills, CA 95762

**Client ID:** 3691  
**Report Number:** N010270  
**Date Received:** 02/15/18  
**Date Analyzed:** 02/22/18  
**Date Printed:** 02/22/18

**Job ID/Site:** E150561.001 - Pilgrim Rock Quarry, 200 Highway 16, Plymouth CA 95667

**FALI Job ID:** 3691  
**Total Samples Submitted:** 4  
**Total Samples Analyzed:** 4

**PLM Report Number:** N/A

## Sample Preparation and Analysis:

Samples were analyzed by the Air Resources Board's Method 435, Determination of Asbestos Content of Serpentine Aggregate. Samples were ground to 200 particle size in the laboratory. Approximately 1 pint was retained for analysis. Samples were prepared for observation according to the guidelines of Exception I and Exception II as defined by the 435 Method. Samples which contained less than 10% asbestos were prepared for observation according to the point count technique as defined by the 435 Method. This analysis was performed with a standard cross-hair reticle.

| Sample ID  | Lab Number           | Layer Description |
|--|----------------------|-------------------|
| <b>B-1 85' 6 to 86'</b>  | 11995941             | <b>Grey Stone</b> |
| <i>Visual Estimation Results:</i>  |                      |                   |
| Matrix percentage of entire  |                      | 100               |
| <b>Visual estimation percentage:</b>   | <b>None Detected</b> |                   |
| Asbestos type(s) detected:   | None Detected        |                   |
| Comment: This result meets the requirements of Exception I as defined by the 435 Method. |                      |                   |
| <b>B-2 19' 2 to 20'</b>  | 11995942             | <b>Grey Stone</b> |
| <i>Visual Estimation Results:</i>  |                      |                   |
| Matrix percentage of entire  |                      | 100               |
| <b>Visual estimation percentage:</b>   | <b>None Detected</b> |                   |
| Asbestos type(s) detected:   | None Detected        |                   |
| Comment: This result meets the requirements of Exception I as defined by the 435 Method. |                      |                   |
| <b>B-3 96' to 96' 8</b>  | 11995943             | <b>Grey Stone</b> |
| <i>Visual Estimation Results:</i>  |                      |                   |
| Matrix percentage of entire  |                      | 100               |
| <b>Visual estimation percentage:</b>   | <b>None Detected</b> |                   |
| Asbestos type(s) detected:   | None Detected        |                   |
| Comment: This result meets the requirements of Exception I as defined by the 435 Method. |                      |                   |
| <b>B-4 26' 6' to 25'</b>   | 11995944             | <b>Grey Stone</b> |
| <i>Visual Estimation Results:</i>  |                      |                   |
| Matrix percentage of entire  |                      | 100               |
| <b>Visual estimation percentage:</b>   | <b>None Detected</b> |                   |
| Asbestos type(s) detected:   | None Detected        |                   |
| Comment: This result meets the requirements of Exception I as defined by the 435 Method. |                      |                   |

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(Air Resources Board Method 435, June 6, 1991)

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Project Manager  
1234 Glenhaven Court

El Dorado Hills, CA 95762

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**Date Analyzed:** 02/22/18  
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**Job ID/Site:** E150561.001 - Pilgrim Rock Quarry, 200 Highway 16, Plymouth CA 95667

**FALI Job ID:** 3691

**PLM Report Number:** N/A

**Total Samples Submitted:** 4  
**Total Samples Analyzed:** 4

**Sample Preparation and Analysis:**

Samples were analyzed by the Air Resources Board's Method 435, Determination of Asbestos Content of Serpentine Aggregate. Samples were ground to 200 particle size in the laboratory. Approximately 1 pint was retained for analysis. Samples were prepared for observation according to the guidelines of Exception I and Exception II as defined by the 435 Method. Samples which contained less than 10% asbestos were prepared for observation according to the point count technique as defined by the 435 Method. This analysis was performed with a standard cross-hair reticle.

| Sample ID | Lab Number | Layer Description |
|-----------|------------|-------------------|
|-----------|------------|-------------------|



Tad Thrower, Laboratory Supervisor, Hayward Laboratory

Note: Limit of Quantification (LOQ) = 0.25%. Trace denotes the presence of asbestos below the LOQ. ND = None Detected. Analytical results and reports are generated by Forensic Analytical Laboratories Inc. (FALI) at the request of and for the exclusive use of the person or entity (client) named on such report. Results, reports or copies of same will not be released by FALI to any third party without prior written request from client. This report applies only to the sample(s) tested. Supporting laboratory documentation is available upon request. This report must not be reproduced except in full, unless approved by FALI. The client is solely responsible for use and interpretation of test results and reports requested from FALI. Forensic Analytical Laboratories Inc. is not able to assess the degree of hazard resulting from material analyzed. FALI reserves the right to dispose of all samples after a period of thirty (30) days, according to all state and federal guidelines, unless otherwise specified. All samples were received in acceptable condition unless otherwise noted.



|   |  |  |  |                        |
|---|--|--|--|------------------------|
| Client Name & Address:<br>Youngdahl Consulting Group, Inc.<br>1234 Glenhaven Drive<br>El Dorado Hills, CA 95762 |  | Client No  | PO / Job#<br><b>E150561.001</b>  | Date<br><b>2/14/18</b> |
| Contact<br><b>Kenneth Williams</b>  |  | Phone:<br><b>(209) 418-8020</b>  | Turn Around Time: Same Day / 1Day / 2Day / 3Day / <del>4Day</del> / 5Day |                        |
| E-mail<br><b>kaw@youngdahl.net</b>  |  | <input type="checkbox"/> PCM <input type="checkbox"/> NIOSH 7400A / <input type="checkbox"/> NIOSH 7400B <input type="checkbox"/> Rotometer<br><input checked="" type="checkbox"/> PLM <input type="checkbox"/> Standard / <input type="checkbox"/> Point Count <b>400</b> / <b>1000</b> / <input checked="" type="checkbox"/> CARB 435  |  |                        |
| Site Name<br><b>Pilgrim Rock Quarry (Leased Parcel)</b>   |  | <input type="checkbox"/> TEM Air <input type="checkbox"/> AHERA / <input type="checkbox"/> Yamate2 / <input type="checkbox"/> NIOSH 7402<br><input type="checkbox"/> TEM Bulk <input type="checkbox"/> Quantitative / <input type="checkbox"/> Qualitative / <input type="checkbox"/> Chatfield<br><input type="checkbox"/> TEM Water <input type="checkbox"/> Potable / <input type="checkbox"/> Non-Potable / <input type="checkbox"/> Weight %<br><input type="checkbox"/> TEM Microvac <input type="checkbox"/> Qual / <input type="checkbox"/> D5755(str/area) / <input type="checkbox"/> D5756(str/mass) |  |                        |
| Site Location:<br><b>Long Gate Road, Plymouth, CA 95667</b>   |  | <input type="checkbox"/> IAQ Particle Identification (PLM LAB) <input type="checkbox"/> PLM Opaques/Soot<br><input type="checkbox"/> Particle Identification (TEM LAB) <input type="checkbox"/> Special Project<br><input type="checkbox"/> Metals Analysis Matrix: Method:  |  |                        |

Comments: **APN 001140041000**  Silica in Air  w/Gravimetry  Quartz Only

| Sample ID        | Date / Time | Sample Location / Description   | FOR AIR SAMPLES ONLY |             |         |            | Sample Area / Air Volume |
|------------------|-------------|---------------------------------|----------------------|-------------|---------|------------|--------------------------|
|                  |             |                                 | Type                 | Time On/Off | Avg LPM | Total Time |                          |
| B-7 17 to 17'8"  | 02/04/18    | Boring 7/Gopher Ridge Volcanics | A<br>P<br>E          |             |         |            |                          |
| B-8 92'6" to 93' | 02/04/18    | Boring 8/Gopher Ridge Volcanics | A<br>P<br>E          |             |         |            |                          |
|                  |             |                                 | A<br>P<br>E          |             |         |            |                          |
|                  |             |                                 | A<br>P<br>E          |             |         |            |                          |
|                  |             |                                 | A<br>P<br>E          |             |         |            |                          |
|                  |             |                                 | A<br>P<br>E          |             |         |            |                          |
|                  |             |                                 | A<br>P<br>E          |             |         |            |                          |
|                  |             |                                 | A<br>P<br>E          |             |         |            |                          |
|                  |             |                                 | A<br>P<br>E          |             |         |            |                          |
|                  |             |                                 | A<br>P<br>E          |             |         |            |                          |

|   |  |  |
|---|--|--|
| Sampled By: <b>Kenneth Williams</b>   | Date/Time: <b>02/4/18</b>  | Shipped Via: <input type="checkbox"/> Fed Ex <input type="checkbox"/> UPS <input type="checkbox"/> US Mail <input type="checkbox"/> Courier <input type="checkbox"/> Drop Off <input type="checkbox"/> Other |
| Relinquished By: <i>[Signature]</i>   | Date / Time: <i>[Signature]</i>  | Relinquished By: <i>[Signature]</i>  |
| Received By: <i>[Signature]</i>   | Date / Time: <i>[Signature]</i>  | Received By: <i>[Signature]</i>  |
| Condition Acceptable? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Condition Acceptable? <input type="checkbox"/> Yes <input type="checkbox"/> No | Condition Acceptable? <input type="checkbox"/> Yes <input type="checkbox"/> No   |



Forensic Analytical Laboratories may subcontract client samples to other FAAI locations to meet client requests  
 San Francisco Office: 8777 Depot Road, Suite 409, Hayward, CA 94545-2761 • Phone: 510/887 8828 • 800/827-3274  
 Los Angeles Office: 9939 Pacific Commerce Drive, Rancho Dominguez, CA 90221 • Phone: 310/763-2374 • 888/813-9417  
 Las Vegas Office: 6765 S. Eastern Avenue, Suite 3, Las Vegas, NV 89119 • Phone: 702/784-0040

# Bulk Asbestos Material Analysis

(Air Resources Board Method 435, June 6, 1991)

Youngdahl & Associates, Inc.  
Project Manager  
1234 Glenhaven Court

El Dorado Hills, CA 95762

**Client ID:** 3691  
**Report Number:** N010269  
**Date Received:** 02/15/18  
**Date Analyzed:** 02/22/18  
**Date Printed:** 02/22/18

**Job ID/Site:** E150561.001 - Pilgrim Rock Quarry (Leased Parcel) Long Gate Road, Plymouth  
CA 95667

**PLM Report Number:** N/A

**FALI Job ID:** 3691  
**Total Samples Submitted:** 2  
**Total Samples Analyzed:** 2

## Sample Preparation and Analysis:

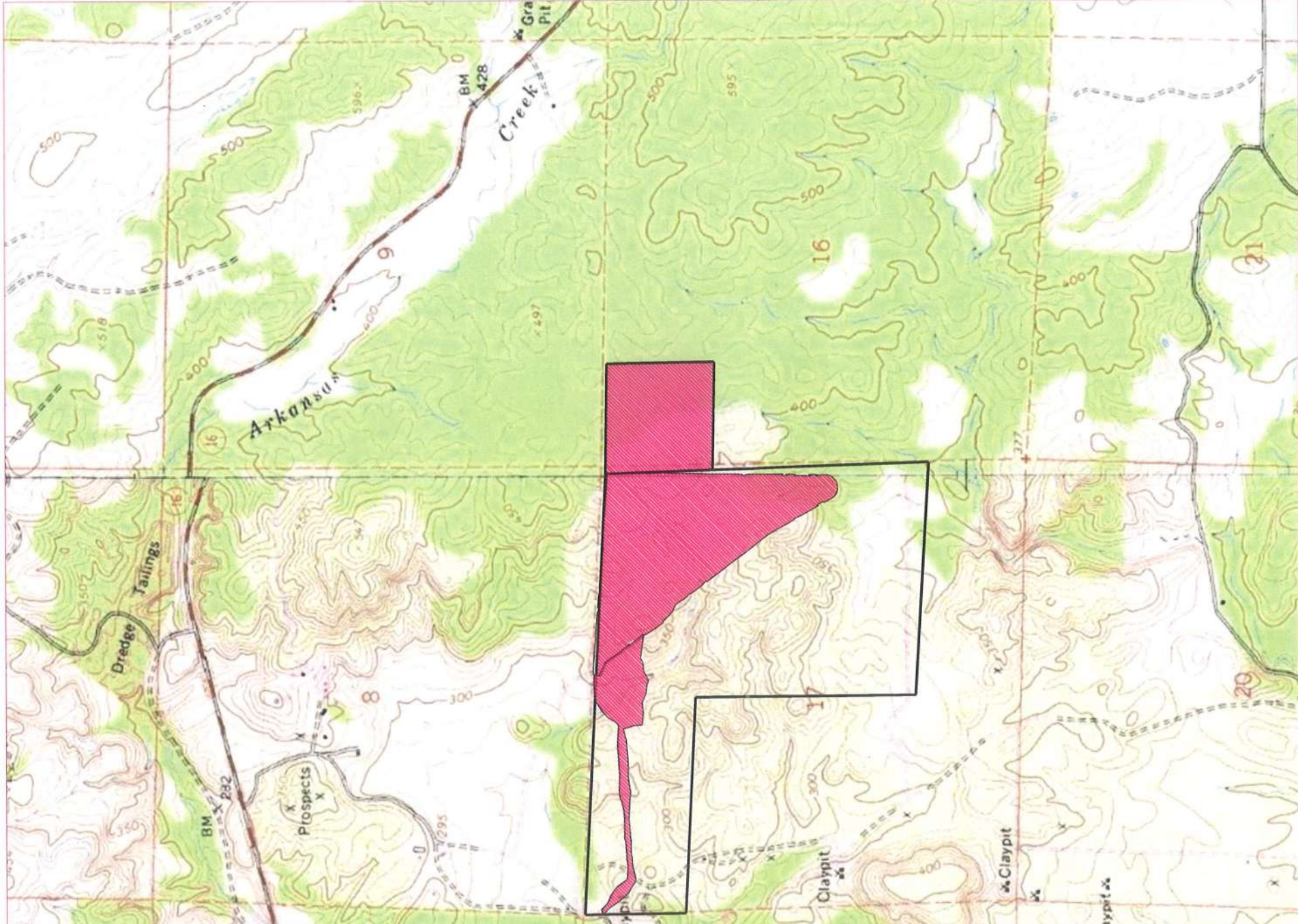
Samples were analyzed by the Air Resources Board's Method 435, Determination of Asbestos Content of Serpentine Aggregate. Samples were ground to 200 particle size in the laboratory. Approximately 1 pint was retained for analysis. Samples were prepared for observation according to the guidelines of Exception I and Exception II as defined by the 435 Method. Samples which contained less than 10% asbestos were prepared for observation according to the point count technique as defined by the 435 Method. This analysis was performed with a standard cross-hair reticle.

| Sample ID  | Lab Number           | Layer Description |
|--|----------------------|-------------------|
| <b>B-7 17 to 17'8"</b>   | 11995939             | <b>Tan Stone</b>  |
| <i>Visual Estimation Results:</i>  |                      |                   |
| Matrix percentage of entire  |                      | 100               |
| <b>Visual estimation percentage:</b>   | <b>None Detected</b> |                   |
| Asbestos type(s) detected:   | None Detected        |                   |
| Comment: This result meets the requirements of Exception I as defined by the 435 Method. |                      |                   |
| <b>B-8 92'6 to 93'</b>   | 11995940             | <b>Grey Stone</b> |
| <i>Visual Estimation Results:</i>  |                      |                   |
| Matrix percentage of entire  |                      | 100               |
| <b>Visual estimation percentage:</b>   | <b>None Detected</b> |                   |
| Asbestos type(s) detected:   | None Detected        |                   |
| Comment: This result meets the requirements of Exception I as defined by the 435 Method. |                      |                   |



Tad Thrower, Laboratory Supervisor, Hayward Laboratory

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REFERENCE: TOPO PROVIDED BY CALTOPO, INC.

Legend:  - Approximate Site Boundary; Quarry Area Shaded

**IGDAHL**  
**TESTING GROUP, INC.**  
 MATERIALS TESTING

Project No.:  
 E15056.001

January 2019

**SITE VICINITY MAP**

Pilgrim Rock Quarry, 200 Highway 16  
 Plymouth, California

FIGURE

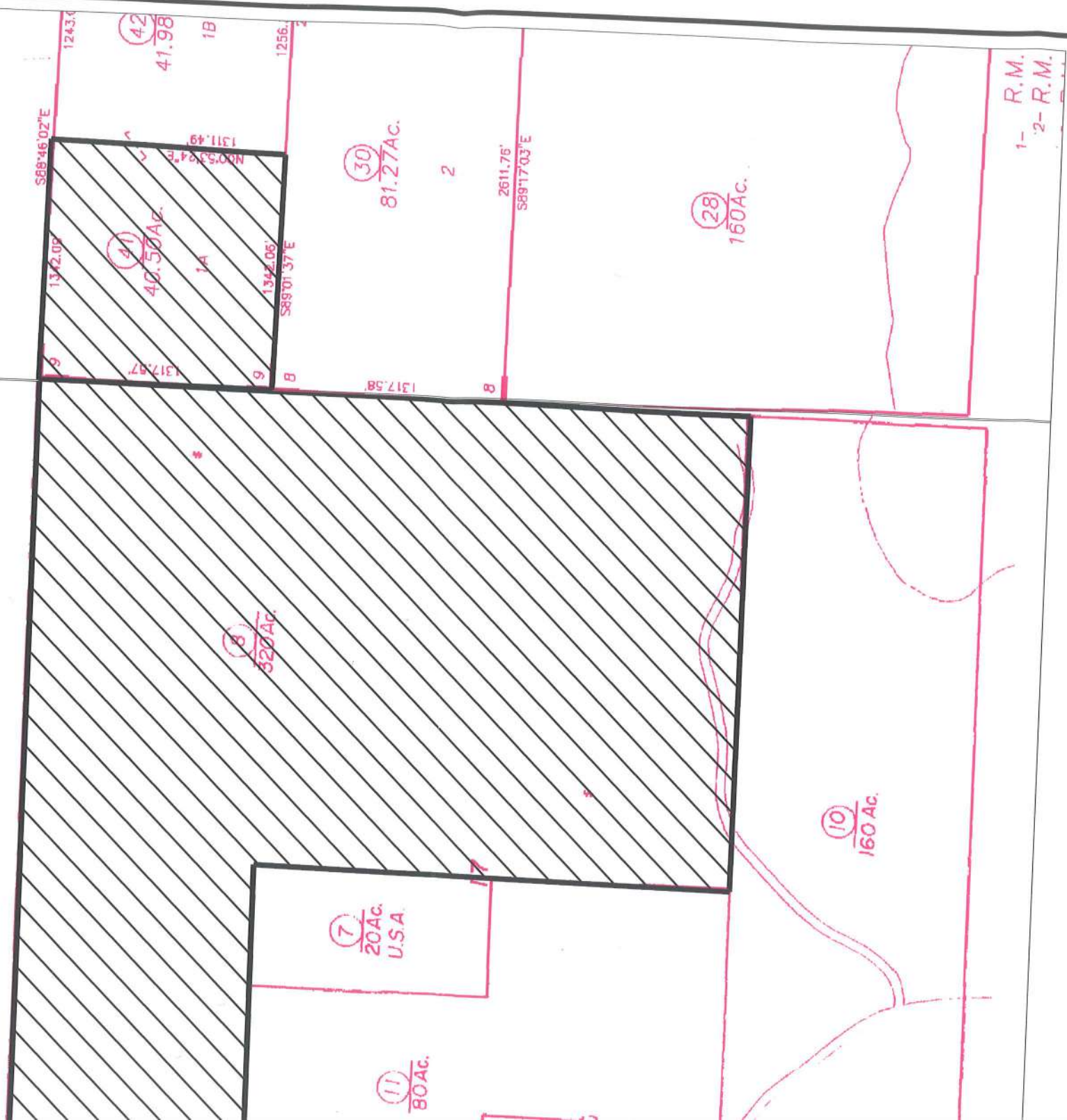
1



SEC. 16, T. 7N., R. 9E., M.D.B. & M.

(10)

IMPORTANT NOTE: This map was prepared for property tax assessment purposes only. It is assumed that the property, as described in it, is the property being assessed. Liability is assumed for the accuracy of the data delineated hereon.



Legend: [Symbol] - Approximate Site Boundary

REFERENCE: Amador County Tax Assessor

**GDAHL**  
**ENGINEERING GROUP, INC.**  
METAL • MATERIALS TESTING

Project No.:  
E15056.001

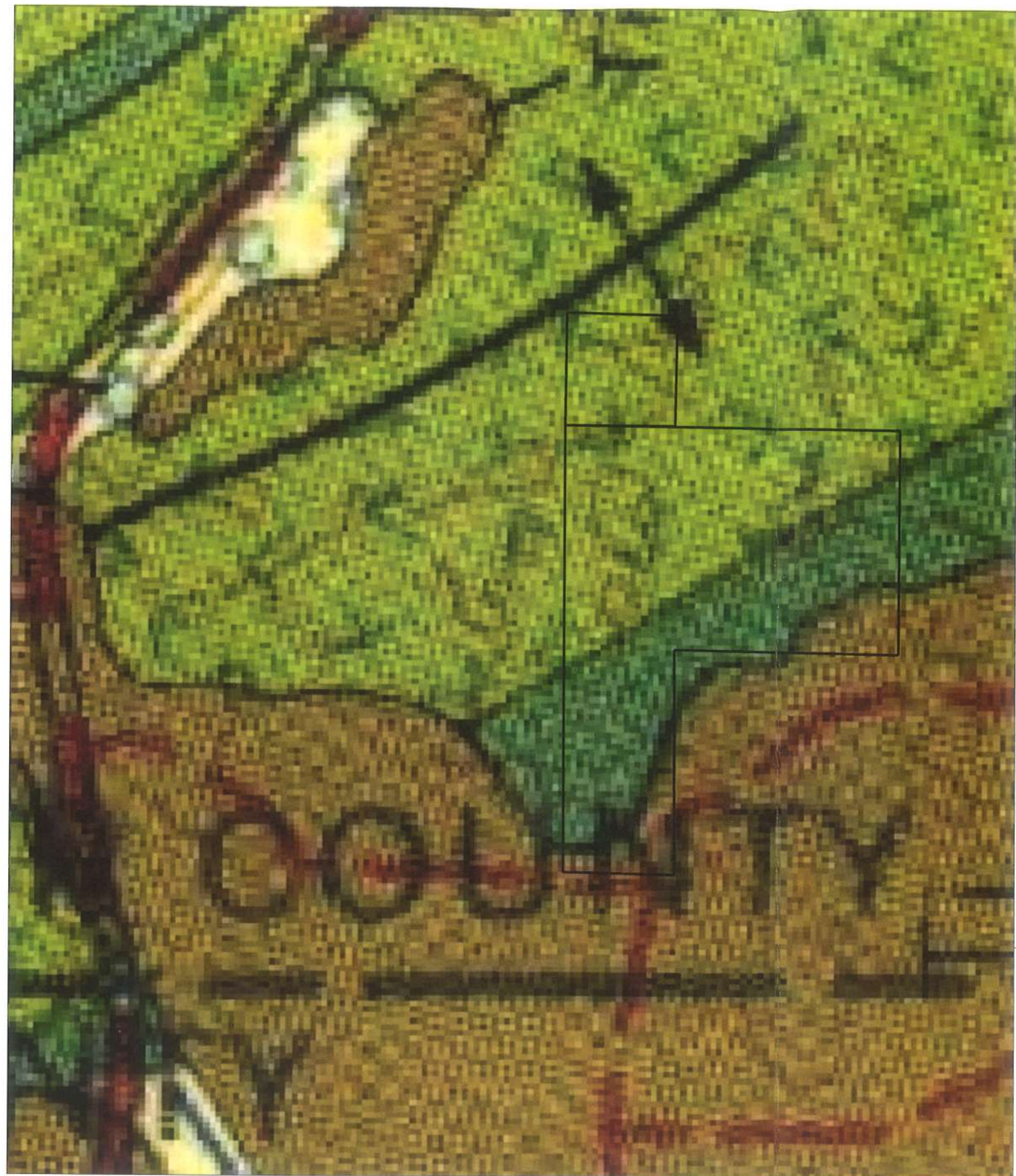
January 2019

**AMADOR COUNTY ASSESSORS**  
**PARCEL MAP**

Pilgrim Rock Quarry, 200 Highway 16  
Plymouth, California

FIGURE

2



SEDIMENTARY AND  
METASEDIMENTARY ROCKS

- Ione Formation (*Quartzose sandstone and kaolinitic clay*)
- Salt Springs Slate

VOLCANIC AND  
META-VOLCANIC ROCKS

- Gopher Ridge Volcanics



SCALE 1"=1000'

LEGEND: - Approximate Site Boundary

REFERENCE: GEOLOGY MAP OF THE  
SACRAMENTO QUADRANGLE 1:250,000; 1981



Project No.:  
E15056.001

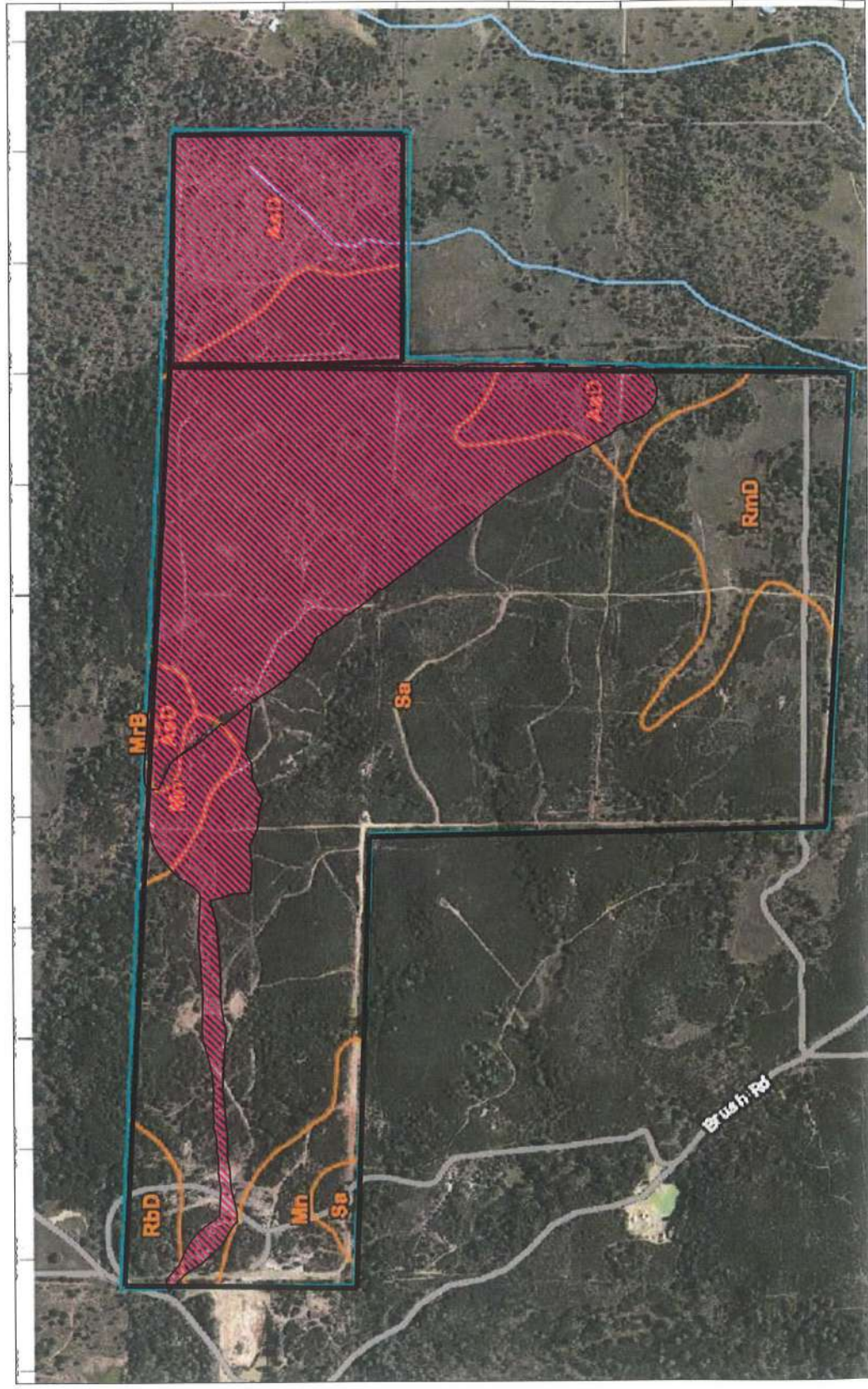
January 2019

**REGIONAL GEOLOGY MAP**

Pilgrim Rock Quarry, 200 Highway 16  
Plymouth, California

FIGURE

**3**



**LEGEND**

- AsD - Auburn very rocky silt loam, 3 to 31 percent slopes.
- Mn - Mine Tailings and Riverwash.
- MrB - Mokelumne sandy loam, 2 to 5 percent slopes.
- RbD - Red Bluff-Mokelumne complex, 5 to 16 percent slopes
- RmD - Red Bluff-Mokelumne-Mine pits complex, 2 to 16 percent slopes.
- Sa - Sedimentary Rock Land



SCALE 1"=1250'

LEGEND: - Approximate Site Boundary (Hatched Quarry)

REFERENCE: Web Soil Survey and USDANRCS



Project No.:  
E15056.001

January 2019

**SOIL SURVEY MAP**

Pilgrim Rock Quarry, 200 Highway 16  
Plymouth, California

**FIGURE**

**4**