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WILLOW RUN LABORATORIES

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| ROCK | QTZ | PLAG        | K-SPAR | AMPH  | PYROX | OLIV   | GARNET | MICA  | OTHER | REF |
|------|-----|-------------|--------|-------|-------|--------|--------|-------|-------|-----|
| NG10 |     | X AN60      |        | X HO  | X HY  | X      |        | X     |       | 8   |
| NG12 |     | 70 AN80     |        |       | 5 AU  | 20     |        |       | 5 MG  | 9   |
| NG13 |     | 40 AN55     |        | 35 HO | 15    |        |        | 8 BI  | 2 MG  | 9   |
| NG16 |     | 60          |        |       | 30    |        |        |       | 10 MG | 13  |
| OL01 |     | 98 AN12     |        | 2 AC  |       |        |        |       |       | 1   |
| OL02 |     | 100 AN15-16 |        |       |       |        |        |       |       | 26  |
| OL03 |     | 100 AN24    |        |       |       |        |        |       |       | 27  |
| OL04 |     | 100 AN29    |        |       |       |        |        |       |       | 27  |
| PE01 |     | 14          |        |       | 25    | 56     |        |       | 5     | 10  |
| PE04 |     |             |        |       |       |        |        |       |       |     |
| PE02 |     | 15          |        |       | 20    | 60     |        |       | 2     | 20  |
| PE03 |     | 10 AN60     |        |       | 21    | 61     |        |       | 6     | 10  |
| PX01 |     | 9 AN60      |        |       | 85    | 5      |        |       | 1     | 10  |
| PX02 |     | 1           |        |       | 80    | 17     |        |       | 2     | 10  |
| PX03 |     | 16          |        |       | 76    | 5      |        |       | 3     | 10  |
| PX04 |     | 8           |        |       | 61    | 25     |        |       | 3     | 10  |
| PX05 |     | 20 AN60     |        |       | 75    | 5      |        |       |       | 10  |
| PX06 |     |             |        | 1     | 93 DP | 5 FA15 |        |       | 2 SE  | 1   |
| QD01 | 28  | 50 AN45     |        | 7 HO  |       |        |        | 15 BI | 1     | 1   |
| QD04 |     |             |        |       |       |        |        |       |       |     |
| QD02 | 19  | 50 AN50     |        | 13 HO |       |        |        | 17 BI |       | 1   |
| QD06 |     |             |        |       |       |        |        |       |       |     |
| QD03 | 13  | 48 AN20     | 6      | 21 HO |       |        |        |       | 12    | 1   |
| QD05 |     |             |        |       |       |        |        |       |       |     |
| QM01 | 34  | 33 AN30     | 27 OR  |       |       |        |        | 4 BI  | 2     | 1   |
| QM02 |     |             |        |       |       |        |        |       |       |     |
| QM03 | X   | X AN90      | XX     |       |       |        |        | XX    |       | 8   |
| QM04 | X   |             |        |       |       |        |        | X BI  | X MU  | 28  |
| QZ11 | 99+ |             |        |       |       |        |        |       |       | 3   |
| QZ12 | 96  | 1           | 1 MI   |       |       |        |        |       | 2 CA  | 17  |
| QZ13 | 69  | 20 AN27     |        |       |       |        |        | 10 BI | 1     | 17  |
| SC12 | 27  |             |        |       |       |        |        |       | 36 CH | 12  |
| SC16 |     |             |        |       |       |        |        |       |       |     |
| SC13 | 57  | 10 AN29     | 5 MP   |       |       |        |        | 19 MU | 6 EP  | 12  |
| SC15 |     |             |        |       |       |        |        |       |       |     |
| SC14 | 59  | 9 AN11      | 4 MP   |       |       |        |        | 20 MU | 4 EP  | 12  |
| SC18 | 29  | 35 AN22     |        |       |       |        | 5      | 30 BI | 1 MG  | 17  |
| SC19 | 8   | 23 AN25     |        |       |       |        | 2      | 14 BI | 27 KY | 17  |
|      |     |             |        |       |       |        |        | 23 MU | 3 MG  |     |
| SC20 | 35  | 15 AN26     |        |       |       |        | 1      | 13 BI | 19 KY | 17  |
|      |     |             |        |       |       |        |        | 15 MU | 2 MG  |     |
| SC21 | 44  | 13 AN25     |        |       |       |        | 2      | 23 BI | 3 ST  | 17  |
|      |     |             |        |       |       |        |        | 13 MU | 1 MG  |     |
| SE06 |     |             |        |       |       | 10     |        |       | 50 SE | 13  |
|      |     |             |        |       |       |        |        |       | 30 CA |     |
| SE14 |     |             |        |       |       | 15     |        |       | 70 SE | 4   |
|      |     |             |        |       |       |        |        |       | 15 DO |     |
| SE26 |     |             |        |       | 25    | 75     |        |       |       | 14  |
| SS03 | 96  |             |        |       |       |        |        |       |       | 7   |
| SS04 | 92  |             |        |       |       |        |        |       |       | 7   |
| SS15 | 84  | 1           | 2      |       |       |        |        |       | 7 CT  | 21  |
| SS65 |     |             |        |       |       |        |        |       | 2 CA  |     |
| SS66 |     |             |        |       |       |        |        |       |       |     |
| SS18 | 90  |             |        |       |       |        |        |       | 1 CT  | 21  |
| SS63 |     |             |        |       |       |        |        |       | 4     |     |
| SS64 |     |             |        |       |       |        |        |       |       |     |

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|------|-----|---------|--------|------|-------|------|--------|------|------------|-----|
| SS42 | 94  | 2       | 2      |      |       |      |        |      |            | 21  |
| SS17 |     |         |        |      |       |      |        |      |            |     |
| SS55 |     |         |        |      |       |      |        |      |            |     |
| SS46 | 80  |         | 5 MP   |      |       |      |        | 7    | 7 MG       | 24  |
| SS47 |     |         | 1 MI   |      |       |      |        |      |            |     |
| SS56 | 45  | 12      | 1      |      |       |      |        | 7    | 23 CA      | 21  |
| SS57 |     |         |        |      |       |      |        |      | 10 CT      |     |
| SS58 | 97  |         |        |      |       |      |        |      |            | 21  |
| SS59 | 82  | 6       | 3      |      |       |      |        |      | 4 CT       | 21  |
| SS60 | 77  | 1       | 3      |      |       |      |        | 2    | 4 CT       | 21  |
| SS61 | 43  | 2       | 2 MI   |      |       |      |        |      | 50 CA      | 21  |
|      |     |         |        |      |       |      |        |      | 3 CT       |     |
| SS62 | 75  | 2       |        |      |       |      |        | 2    | 15 CA      | 21  |
| SY02 |     |         | 84 OR  |      | 13 AU | 2    |        | 1 BI |            | 1   |
| SY03 |     |         |        |      |       |      |        |      |            |     |
| TA01 |     | 18 AN60 | 60 OR  |      | 14    |      |        |      | 3 MG       | 9   |
|      |     |         |        |      |       |      |        |      | 5 ANALCIME |     |

## REFERENCES FOR PETROGRAPHIC MODAL ANALYSES IN APPENDIX 6

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