|  |  |  |  |
| --- | --- | --- | --- |
| **Slope Shape** | **1** | **2** | **3** |
| **CC** | 9 | 1 | 1 |
| **CL** | 2 | 1 | 0 |
| **CV** | 2 | 0 | 0 |
| **LC** | 6 | 6 | 2 |
| **LL** | 5 | 5 | 6 |
| **LV** | 13 | 3 | 2 |
| **VC** | 2 | 0 | 0 |
| **VL** | 5 | 2 | 1 |
| **VV** | 19 | 2 | 3 |
| **X-squared** = 20.976 **df** = **16 p-value** = 0.1794 | | | |

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| --- | --- | --- | --- |
| **Max Dry Value** | **1** | **2** | **3** |
| **5** | 2 | 1 | 0 |
| **6** | 17 | 3 | 1 |
| **7** | 22 | 12 | 11 |
| **8** | 22 | 4 | 3 |
| **X-squared** = 10.197  **df** = 6 **p-value** = 0.1166 | | | |

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| --- | --- | --- | --- |
| **Min Dry Value** | **1** | **2** | **3** |
| **4** | 3 | 0 | 0 |
| **5** | 32 | 10 | 5 |
| **6** | 26 | 10 | 9 |
| **7** | 2 | 0 | 1 |
| **X-squared** = 4.7273 **df** = 6 **p-value** = 0.5792 | | | |

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| **Max Dry Chroma** | **1** | **2+3** |
| **4** | 26 | 19 |
| **5** | 1 | 0 |
| **6** | 35 | 16 |
| **8** | 1 | 0 |
| **X-squared** = 2.36 **df** = 3 **p-value** = 0.5011 | | |

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| **Max Dry Chroma** | **1** | **2** | **3** |
| **4** | 26 | 10 | 9 |
| **5** | 1 | 0 | 0 |
| **6** | 35 | 10 | 6 |
| **8** | 1 | 0 | 0 |
| **X-squared** = 2.7113 **df** = 6 **p-value** = 0.8441 | | | |

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| **Min Dry Chroma** | **1** | **2** | **3** |
| **1** | 3 | 0 | 0 |
| **2** | 8 | 0 | 0 |
| **3** | 12 | 7 | 3 |
| **4** | 39 | 13 | 12 |
| **6** | 1 | 0 | 0 |
| **X-squared** = 9.0427  **df** = 8 **p-value** = 0.3387 | | | |

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| --- | --- | --- |
| **Slope Shape** | **1** | **2+3** |
| **CC** | 9 | 2 |
| **CL** | 2 | 1 |
| **CV** | 2 | 0 |
| **LC** | 6 | 8 |
| **LL** | 5 | 11 |
| **LV** | 13 | 5 |
| **VC** | 2 | 0 |
| **VL** | 5 | 3 |
| **VV** | 19 | 5 |
| **X-squared** = 8.8873 **df** = 3 **p-value** = 0.03083 | | |

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| **Max Dry Value** | **1** | **2+3** |
| **5** | 2 | 1 |
| **6** | 17 | 4 |
| **7** | 22 | 23 |
| **8** | 22 | 7 |
| **X-squared** = 8.8873 **df** = 3 **p-value** = 0.03083 | | |

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| --- | --- | --- |
| **Min Dry Value** | **1** | **2+3** |
| **4** | 3 | 0 |
| **5** | 32 | 15 |
| **6** | 26 | 19 |
| **7** | 2 | 1 |
| **X-squared** = 2.7997 **df** = 3 **p-value** = 0.4235 | | |

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| **Min Dry Chroma** | **1** | **2+3** |
| **1** | 3 | 0 |
| **2** | 8 | 0 |
| **3** | 12 | 10 |
| **4** | 39 | 25 |
| **6** | 1 | 0 |
| **X-squared** = 7.8883 **df** = 4 **p-value** = 0.09576 | | |

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| **Max Moist Value** | **1** | **2** | **3** |
| **4** | 14 | 3 | 2 |
| **5** | 26 | 12 | 6 |
| **6** | 14 | 4 | 5 |
| **7** | 7 | 1 | 1 |
| **8** | 2 | 0 | 1 |
| **X-squared** = 4.7816 **df** = 8 **p-value** = 0.7806 | | | |

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| --- | --- | --- |
| **Max Moist Value** | **1** | **2+3** |
| **4** | 14 | 5 |
| **5** | 26 | 18 |
| **6** | 14 | 9 |
| **7** | 7 | 2 |
| **8** | 2 | 1 |
| **X-squared** = 2.0861 **df** = 4 **p-value** = 0.7199 | | |

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| --- | --- | --- | --- |
| **Min Moist Value** | **1** | **2** | **3** |
| **3** | 18 | 6 | 4 |
| **4** | 39 | 14 | 9 |
| **5** | 5 | 0 | 1 |
| **6** | 1 | 0 | 1 |
| **X-squared** = 3.8352 **df** = 6 **p-value** = 0.699 | | | |

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| --- | --- | --- |
| **Min Moist Value** | **1** | **2+3** |
| **3** | 18 | 10 |
| **4** | 39 | 23 |
| **5** | 5 | 1 |
| **6** | 1 | 1 |
| **X-squared** = 1.1775  **df** = 3  **p-value** = 0.7584 | | |

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| **Max Moist Chroma** | **1** | **2** | **3** |
| **4** | 38 | 8 | 10 |
| **6** | 25 | 12 | 5 |
| **X-squared** = 3.2148 **df** = 2 **p-value** = 0.2004 | | | |

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| --- | --- | --- |
| **Max Moist Chroma** | **1** | **2+3** |
| **4** | 38 | 18 |
| **6** | 25 | 17 |
| **X-squared** = 0.40833 **df** = 1 **p-value** = 0.5228 | | |

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| --- | --- | --- | --- |
| **Carbonate Stage** | **1** | **2** | **3** |
| **0** | 25 | 12 | 8 |
| **1** | 38 | 7 | 7 |
| **3** | 0 | 1 | 0 |
| **X-squared** = 7.4471 **df** = 4 **p-value** = 0.1141 | | | |

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| --- | --- | --- |
| **Carbonate Stage** | **1** | **2+3** |
| **0** | 25 | 20 |
| **1** | 38 | 14 |
| **3** | 0 | 1 |
| **X-squared** = 5.0443 **df** = 2 **p-value** = 0.08029 | | |

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| **Biotic Crust Class** | **1** | **2** | **3** |
| **0** | 9 | 5 | 6 |
| **1** | 29 | 14 | 6 |
| **2** | 15 | 0 | 1 |
| **3** | 2 | 1 | 1 |
| **4** | 2 | 0 | 1 |
| **5** | 4 | 0 | 0 |
| **6** | 2 | 0 | 0 |
| **X-squared** = 17.566 **df** = 12 **p-value** = 0.1295 | | | |
|  | | | |

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| --- | --- | --- |
| **Biotic Crust Class** | **1** | **2+3** |
| **0** | 9 | 11 |
| **1** | 29 | 20 |
| **2** | 15 | 1 |
| **3** | 2 | 2 |
| **4** | 2 | 1 |
| **5** | 4 | 0 |
| **6** | 2 | 0 |
| **X-squared** = 13.542 **df** = 6 **p-value** = 0.03519 | | |

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| --- | --- | --- | --- |
| **Surface** | **1** | **2** | **3** |
| **2** | 2 | 1 | 0 |
| **3** | 12 | 8 | 4 |
| **4** | 48 | 11 | 11 |
| **6** | 1 | 0 | 0 |
| **X-squared** = 4.9819 **df** = 6 **p-value** = 0.5461 | | | |

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| --- | --- | --- |
| **Surface** | **1** | **2+3** |
| **2** | 2 | 1 |
| **3** | 12 | 12 |
| **4** | 48 | 22 |
| **6** | 1 | 0 |
| **X-squared** = 3.2563 **df** = 3 **p-value** = 0.3538 | | |

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| --- | --- | --- | --- |
| **Subsurface** | **1** | **2** | **3** |
| **0** | 5 | 0 | 0 |
| **3** | 2 | 1 | 0 |
| **4** | 45 | 16 | 12 |
| **6** | 11 | 3 | 3 |
| **X-squared** = 3.8319  **df** = 6 **p-value** = 0.6994 | | | |

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| --- | --- | --- |
| **Subsurface** | **1** | **2+3** |
| **0** | 5 | 0 |
| **3** | 2 | 1 |
| **4** | 45 | 28 |
| **6** | 11 | 6 |
| **X-squared** = 3.0084 **df** = 3 **p-value** = 0.3903 | | |

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| --- | --- | --- | --- |
| **Depth 50** | **1** | **2** | **3** |
| **0** | 17 | 2 | 0 |
| **1** | 46 | 18 | 15 |
| **X-squared** = 7.0615 **df** = 2 **p-value** = 0.02928 | | | |

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| **Depth 50** | **1** | **2** |
| **0** | 17 | 2 |
| **1** | 46 | 33 |
| **X-squared** = 5.2232 **df** = 1 **p-value** = 0.02229 | | |

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| **Depth 100** | **1** | **2** | **3** |
| **0** | 30 | 5 | 1 |
| **1** | 33 | 15 | 14 |
| **X-squared** = 10.232 **df** = 2 **p-value** = 0.006001 | | | |

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| **Depth 100** | **1** | **2** |
| **0** | 30 | 6 |
| **1** | 33 | 29 |
| **X-squared** = 7.7286 **df** = 1 **p-value** = 0.005435 | | |

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| **Depth 150** | **1** | **2** | **3** |
| **0** | 40 | 6 | 1 |
| **1** | 23 | 14 | 14 |
| **X-squared** = 18.922 **df** = 2 **p-value** = 7.782e-05 (.00007782) | | | |

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| --- | --- | --- |
| **Depth 150** | **1** | **2** |
| **0** | 40 | 7 |
| **1** | 23 | 28 |
| **X-squared** = 15.354 **df** = 1 **p-value** = 8.911e-05 (.00008911) | | |

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| --- | --- | --- |
| **Depth 200** | **1** | **2** |
| **0** | 54 | 22 |
| **1** | 9 | 13 |
| **X-squared** = 5.5031 **df** = 1 **p-value** = 0.01898 | | |

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| --- | --- | --- | --- |
| **Depth 200** | **1** | **2** | **3** |
| **0** | 54 | 15 | 7 |
| **1** | 9 | 5 | 8 |
| **X-squared** = 10.705 **df** = 2 **p-value** = 0.004737 | | | |

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| --- | --- | --- | --- |
| **Min Moist Chroma** | **1** | **2** | **3** |
| **2** | 2 | 1 | 0 |
| **3** | 13 | 9 | 5 |
| **4** | 48 | 10 | 10 |
| **X-squared** = 5.713 **df** = 4 **p-value** = 0.2216 | | | |

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| --- | --- | --- |
| **Min Moist Chroma** | **1** | **2+3** |
| **2** | 2 | 1 |
| **3** | 13 | 14 |
| **4** | 48 | 20 |
| **X-squared** = 4.2464 **df** = 2 **p-value** = 0.1196 | | |