

## 13 Appendix A – Soils Data

Source: USDA Natural Resource Conservation Service (USDA-NRCS) Soil Data Mart, Tillamook County, Oregon (OR057).  
<http://soildatamart.nrcs.usda.gov/Report.aspx?Survey=OR057&UseState=OR> (accessed 02March2007).

| SOIL CODE | DESCRIPTION  | LANDFORM                        | ACRES    | % OF WATERSHED |
|-----------|--|---------------------------------|----------|----------------|
| W         | Water  | --                              | 77.6     | 0.1%           |
| 1A        | Brenner silt loam, 0 to 1 percent slopes                   | Flood plains                    | 144.2    | 0.1%           |
| 4D        | Ginsberg medial loam, 5-30% slopes                         | Benches, Ridges                 | 3,073.5  | 2.5%           |
| 4E        | Ginsberg-Klistan complex, 30-60% slopes                    | Mountain slopes                 | 887.8    | 0.7%           |
| 16F       | Caterl-Laderly-Murtip complex, 60 to 90 percent slopes     | Mountain slopes                 | 9,259.5  | 7.5%           |
| 17B       | Chitwood-Hebo complex, 0 to 5 percent slopes               | Terraces                        | 84.4     | 0.1%           |
| 20D       | Klootchie-Necanicum complex, 5 to 30 percent slopes        | Mountain slopes                 | 375.9    | 0.3%           |
| 20E       | Klootchie-Necanicum complex, 30 to 60 percent slopes       | Mountain slopes                 | 4,987.8  | 4.1%           |
| 21F       | Necanicum-Ascar-Klootchie complex, 60 to 90 percent slopes | Mountain slopes                 | 13,209.6 | 10.7%          |
| 22F       | Ascar-Necanicum-Rock outcrop complex, 60-90% slopes        | Mountain slopes                 | 1,324.7  | 1.1%           |
| 23F       | Rock outcrop-Ascar complex, 40-100% slopes                 | Mountain slopes                 | 42.3     | 0.0%           |
| 24D       | Lebam medial silt loam, 5-30% slopes                       | Benches, Ridges                 | 586.3    | 0.5%           |
| 25E       | Lebam-Necanicum complex, 30-60% slopes                     | Mountain slopes                 | 772.1    | 0.6%           |
| 30D       | Templeton medial silt loam, 5-30% slopes                   | Benches, Ridges                 | 217.7    | 0.2%           |
| 30E       | Templeton-Ecola medial silt loams, 30-60% slopes           | Hillslopes,<br>Mountain slopes  | 525.7    | 0.4%           |
| 31E       | Tolovana-Templeton medial silt loams, 30-60% slopes        | Hillslopes,<br>Mountain slopes  | 21.4     | 0.0%           |
| 32D       | Munsoncreek-Flowerpot complex, 5-30% slopes                | Depressions,<br>Benches, Ridges | 659.9    | 0.5%           |
| 33D       | Tolovana medial silt loam, 5-30% slopes                    | Hills                           | 120.0    | 0.1%           |
| 33F       | Melby silt loam, 30-60% slopes                             | Mountain slopes                 | 1.1      | 0.0%           |
| 35F       | Olyic silt loam, 30-60% slopes                             | Mountain slopes                 | 14.9     | 0.0%           |
| 37D       | Templeton-Skipanon complex, 5-30% slopes                   | Landslides,<br>Mountain slopes  | 169.3    | 0.1%           |
| 37E       | Templeton-Skipanon complex, 30-60% slopes                  | Landslides,<br>Mountain slopes  | 32.9     | 0.0%           |
| 39E       | Whaleshead-Templeton                                       | Hillslopes,                     | 1,067.2  | 0.9%           |

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|-----------|--|--------------------------------|----------|----------------|
| 39F       | complex, 30-60% slopes<br>Whaleshead-Templeton                   | Mountain slopes<br>Hillslopes, | 123.3    | 0.1%           |
| 43F       | complex, 60-90% slopes<br>Klistan-Harslow-Hemcross               | Mountain slopes                | 31,234.9 | 25.4%          |
| 44F       | complex, 60-90% slopes<br>Harslow-Klistan-Rock outcrop           | Mountain slopes                | 3,056.7  | 2.5%           |
| 48D       | complex, 60-90% slopes<br>Hemcross-Klistan complex, 5-30% slopes | Benches, Ridges                | 3,735.1  | 3.0%           |
| 48E       | Hemcross-Klistan complex, 30-60% slopes                          | Mountain slopes                | 15,247.9 | 12.4%          |
| 56C       | Wolfer medial silt loam, 3-15% slopes                            | Terraces                       | 92.5     | 0.1%           |
| 57B       | Condorbridge gravelly medial loam, 0-7% slopes                   | Fans                           | 76.7     | 0.1%           |
| 57C       | Condorbridge gravelly medial loam, 3-15% slopes                  | Fans                           | 63.8     | 0.1%           |
| 58C       | Knappa medial silt loam, 3-15% slopes                            | Terraces                       | 107.4    | 0.1%           |
| 59B       | Chitwood-Knappa medial silt loams, 0-7% slopes                   | Terraces                       | 66.1     | 0.1%           |
| 60E       | Caterl-Laderly-Rock outcrop complex, 30-60% slopes               | Mountain slopes                | 17.4     | 0.0%           |
| 60F       | Laderly-Caterl-Rock outcrop complex, 60-90% slopes               | Mountain slopes                | 1,956.8  | 1.6%           |
| 61F       | Laderly-Rock outcrop-Caterl complex, 60-90% slopes               | Mountain slopes                | 1,935.8  | 1.6%           |
| 62F       | Rock outcrop-Laderly complex, 40-100% slopes                     | Mountain slopes                | 18.4     | 0.0%           |
| 64G       | UNDESCRIBED  |                                | 173.7    | 0.1%           |
| 65E       | UNDESCRIBED  |                                | 41.1     | 0.0%           |
| 65F       | UNDESCRIBED  |                                | 222.0    | 0.2%           |
| 66E       | UNDESCRIBED  |                                | 435.8    | 0.4%           |
| 66F       | UNDESCRIBED  |                                | 986.9    | 0.8%           |
| 67G       | UNDESCRIBED  |                                | 546.8    | 0.4%           |
| 68E       | UNDESCRIBED  |                                | 337.4    | 0.3%           |
| 68F       | UNDESCRIBED  |                                | 313.2    | 0.3%           |
| 69G       | UNDESCRIBED  |                                | 47.1     | 0.0%           |
| 70D       | Murtip-Caterl-Laderly complex, 5-30% slopes                      | Benches, Ridges                | 1,242.4  | 1.0%           |
| 70E       | Murtip-Caterl-Laderly complex, 30-60% slopes                     | Mountain slopes                | 7,205.1  | 5.9%           |
| 71E       | McMille-Mutt complex, 30-60% slopes                              | Mountain slopes                | 115.8    | 0.1%           |
| 72D       | Caterl-Murtip complex, clayey, 5-30% slopes                      | Benches, Ridges                | 1,071.5  | 0.9%           |
| 72F       | UNDESCRIBED  |                                | 21.4     | 0.0%           |
| 73A       | Nehalem silt loam, 0-3% slopes, frequently flooded               | Flood plains                   | 138.9    | 0.1%           |
| 73E       | UNDESCRIBED  |                                | 10.9     | 0.0%           |
| 74A       | Nehalem silt loam, 0-3% slopes                                   | Flood plains                   | 436.8    | 0.4%           |
| 76A       | Nestucca silt loam, 0-3% slopes                                  | Flood plains                   | 49.4     | 0.0%           |

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|-----------|---|---|---------|----------------|
| 77A       | Nestucca-Brenner silt loams, 0-3% slopes                            | Flood plains  | 46.4    | 0.0%           |
| 80B       | Quillamook medial silt loam, 0-7% slopes                            | Stream terraces   | 55.8    | 0.0%           |
| 81B       | Quillamook complex, 0-7% slopes, gravelly substratum                | Stream terraces   | 49.2    | 0.0%           |
| 89A       | Udfluvents-Riverwash-Water complex, 0-3% slopes                     | Rivers, Streams, Depressions, Flood plains                  | 214.2   | 0.2%           |
| 90A       | Yachats very fine sandy loam, 0-3% slopes                           | Depressions, Flood plains                                   | 264.9   | 0.2%           |
| 93B       | Gauldy complex, 0-5% slopes, rare/occasional flooding               | Depressions, Flood plains, Depressions                      | 10.0    | 0.0%           |
| 100B      | Urban land-Udorthents complex, 0-7% slopes                          | Depressions, Flood plains, Terraces                         | 76.4    | 0.1%           |
| 101B      | Urban land-Udorthents complex, 0-7% slopes                          | Depressions, Flood plains                                   | 4.2     | 0.0%           |
| 103A      | Coquille silt loam, 0-1% slopes, diked                              | Tidal marshes, Flood plains                                 | 52.1    | 0.0%           |
| 115A      | Aquepts, 0-1% slopes  | Flood plains  | 62.7    | 0.1%           |
| 116A      | Aquepts, warm, 0-1% slopes  | Flood plains  | 216.0   | 0.2%           |
| 118B      | Alic Hapludands complex, 0-7% slopes                                | Rivers, Streams, Stream terraces, Depressions, Flood plains | 211.2   | 0.2%           |
| 119B      | Typic Fulvudands complex, 0-7% slopes                               | Rivers, Streams, Stream terraces, Depressions, Flood plains | 10.3    | 0.0%           |
| 120C      | Alic Hapludands complex, 3-15% slopes                               | Fans, Stream terraces, Depressions                          | 1,102.5 | 0.9%           |
| 144F      | Harslow-Rock outcrop-Klistan complex, 60-90% slopes, south slopes   | Mountain slopes   | 3,900.4 | 3.2%           |
| 145F      | Rock outcrop-Harslow complex, 40-100% slopes                        | Mountain slopes   | 33.8    | 0.0%           |
| 156F      | Sevencedars-Newanna complex, 60-90% slopes                          | Mountain slopes   | 925.4   | 0.8%           |
| 157D      | Caterl very cobbly medial loam, till substratum, 5-30% slopes       | Benches, Ridges   | 127.2   | 0.1%           |
| 157E      | Caterl very cobbly medial loam, till substratum, 30-60% slopes      | Mountain slopes   | 315.4   | 0.3%           |
| 157F      | Caterl very cobbly medial loam, till substratum, 60-90% slopes      | Mountain slopes   | 55.2    | 0.0%           |
| 158D      | Sevencedars very cobbly medial loam, till substratum, 5-30% slopes  | Benches, Ridges   | 42.5    | 0.0%           |
| 158E      | Sevencedars very cobbly medial loam, till substratum, 30-60% slopes | Mountain slopes   | 262.7   | 0.2%           |

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|---------------|---|------------------------------|------------------|----------------|
| 158F          | Sevencedars very cobbly medial loam, till substratum, 60-90% slopes | Mountain slopes              | 36.0             | 0.0%           |
| 159D          | Sevencedars very cobbly medial loam, clayey, 5-30% slopes           | Benches, Ridges              | 163.6            | 0.1%           |
| 161D          | Sevencedars-Newanna-Woodspoint complex, 5-30% slopes                | Benches, Ridges              | 271.4            | 0.2%           |
| 161E          | Sevencedars-Newanna-Woodspoint complex, 30-60% slopes               | Mountain slopes              | 1,763.0          | 1.4%           |
| 161F          | Newanna-Sevencedars-Rock outcrop complex, 60-90% slopes             | Mountain slopes              | 490.0            | 0.4%           |
| 162E          | Moss creek-Fawceter complex, 30-60% slopes                          | Mountain slopes              | 515.2            | 0.4%           |
| 163F          | Fawceter-Killam-Moss creek complex, 60-90% slopes                   | Mountain slopes              | 296.9            | 0.2%           |
| 164F          | Killam-Fawceter-Rock outcrop complex, 60-90% slopes                 | Mountain slopes              | 187.9            | 0.2%           |
| 170A          | Logsdens silt loam, 0-3% slopes                                     | Depressions, Stream terraces | 6.9              | 0.0%           |
| 173B          | Tillamook-Ginger medial silt loams, 0-7% slopes                     | Depressions, Stream terraces | 48.7             | 0.0%           |
| 174C          | Typic Fulvudands complex, 3-15% slopes                              | Fans, Stream terraces        | 748.1            | 0.6%           |
| 363D          | Tolke medial silt loam, 5-30% slopes                                | Benches, Ridges              | 1,653.8          | 1.3%           |
| 439E          | Tolke medial silt loam, 30-60% slopes                               | Mountain slopes              | 122.9            | 0.1%           |
| <b>TOTALS</b> |   |                              | <b>123,127.8</b> | <b>100.0%</b>  |