



| Stand | Level 4 Cover Type                         | Size Density        | Acres | Stand Age | BA Range | General Comments: |
|-------|--|---------------------|-------|-----------|----------|-------------------|
| 3     | 4130 - Aspen                               | High Density Pole   | 54.3  | 27        |          |                   |
| 4     | 6112 - Lowland Aspen                       | High Density Pole   | 48.0  | 27        |          |                   |
| 5     | 4130 - Aspen                               | High Density Pole   | 71.7  | 27        |          |                   |
| 6     | 6112 - Lowland Aspen                       | High Density Pole   | 11.4  | 27        |          |                   |
| 7     | 6112 - Lowland Aspen                       | High Density Pole   | 8.7   | 27        |          |                   |
| 9     | 42110 - Planted Red Pine                   | High Density Pole   | 7.7   | 46        | 200+     |                   |
| 12    | 42110 - Planted Red Pine                   | High Density Pole   | 20.2  | 28        | 81-110   |                   |
| 15    | 6113 - Lowland Maple                       | High Density Pole   | 1.6   | 47        |          |                   |
| 18    | 4139 - Aspen, Mixed Deciduous              | High Density Pole   | 23.5  | 47        |          |                   |
| 19    | 6113 - Lowland Maple                       | High Density Pole   | 4.4   | 70        |          |                   |
| 20    | 6117 - Lowland Deciduous, Mixed Coniferous | High Density Pole   | 4.8   | 47        | 1-50     |                   |
| 21    | 6127 - Lowland Pine                        | High Density Pole   | 20.4  | 47        |          |                   |
| 22    | 6113 - Lowland Maple                       | Medium Density Pole | 6.8   | 70        |          |                   |
| 23    | 6127 - Lowland Pine                        | High Density Pole   | 16.9  | 50        |          |                   |
| 24    | 6112 - Lowland Aspen                       | High Density Pole   | 17.7  | 70        | 1-50     |                   |
| 26    | 6117 - Lowland Deciduous, Mixed Coniferous | High Density Pole   | 1.4   | 47        | 1-50     |                   |
| 31    | 6119 - Mixed Lowland Deciduous Forest      | Low Density Pole    | 9.7   | 70        |          |                   |
| 32    | 4139 - Aspen, Mixed Deciduous              | High Density Pole   | 115.5 | 47        |          |                   |



|    | Level 4<br>Cover Type                      | Size<br>Density         | Acres | Stand<br>Age | BA<br>Range | General<br>Comments:  |
|----|--|-------------------------|-------|--------------|-------------|---|
| 36 | 6113 - Lowland Maple                       | High Density<br>Pole    | 6.9   | 70           |             |   |
| 37 | 4130 - Aspen                               | High Density<br>Pole    | 6.2   | 46           |             |   |
| 38 | 42220 - Natural Jack<br>Pine               | High Density<br>Sapling | 13.2  | 8            |             |   |
| 40 | 4116 - Mixed N.<br>Hardwood - Aspen        | High Density<br>Log     | 32.9  | 48           |             | Also has a few cherry, hemlock, fir, birch  |
| 41 | 4111 - S.Maple, Hard<br>Mast Association   | High Density<br>Log     | 19.0  | 70           | 81-110      |   |
| 44 | 4112 - Maple, Beech,<br>Cherry Association | High Density<br>Pole    | 30.0  | 70           | 51-80       | Not much ground cover.  |
| 45 | 42110 - Planted Red<br>Pine                | High Density<br>Pole    | 10.7  | 47           | 141-170     |   |
| 46 | 6113 - Lowland Maple                       | High Density<br>Log     | 6.2   | 75           |             |   |
| 47 | 4112 - Maple, Beech,<br>Cherry Association | High Density<br>Pole    | 1.9   | 48           |             |   |
| 48 | 4112 - Maple, Beech,<br>Cherry Association | Medium<br>Density Log   | 5.9   | 70           | 81-110      |   |
| 49 | 4116 - Mixed N.<br>Hardwood - Aspen        | High Density<br>Log     | 27.3  | 48           | 1-50        |   |
| 50 | 6113 - Lowland Maple                       | Low Density<br>Pole     | 10.1  | 48           |             |   |
| 51 | 6113 - Lowland Maple                       | Low Density<br>Pole     | 3.4   | 70           |             |   |
| 52 | 4116 - Mixed N.<br>Hardwood - Aspen        | High Density<br>Log     | 22.1  | 70           | 51-80       | Med to low quality<br>South end = better hardwoods<br>Stand has lots of wolfy and multi stem maples, beech. |
| 53 | 4130 - Aspen                               | High Density<br>Sapling | 28.4  | 15           |             |   |
| 54 | 4130 - Aspen                               | High Density<br>Log     | 3.4   | 48           |             |   |
| 55 | 4111 - S.Maple, Hard<br>Mast Association   | High Density<br>Log     | 72.2  | 70           | 81-110      |   |
| 57 | 4139 - Aspen, Mixed<br>Deciduous           | High Density<br>Sapling | 9.4   | 16           |             | % cover was a guess since imagery was so bad.   |



|    | Level 4<br>Cover Type                         | Size<br>Density         | Acres | Stand<br>Age | BA<br>Range | General<br>Comments:   |
|----|---|-------------------------|-------|--------------|-------------|--|
| 59 | 4139 - Aspen, Mixed<br>Deciduous              | High Density<br>Pole    | 61.0  | 26           |             |  |
| 60 | 4112 - Maple, Beech,<br>Cherry Association    | Low Density<br>Pole     | 48.3  | 30           |             |  |
| 61 | 42110 - Planted Red<br>Pine                   | High Density<br>Log     | 9.3   | 58           | 111-140     |  |
| 62 | 6119 - Mixed Lowland<br>Deciduous Forest      | Medium<br>Density Pole  | 5.0   | 80           | 1-50        |  |
| 63 | 4111 - S.Maple, Hard<br>Mast Association      | High Density<br>Log     | 62.2  | 80           | 1-50        | South end of stand was thinned in 1983 (south of 2-track).<br>Medium to lower quality hardwood (best is on west side).<br>Very steep hill as proceed easterly. |
| 64 | 42110 - Planted Red<br>Pine                   | High Density<br>Log     | 28.1  | 58           | 111-140     | 2001- rows of jp were cut out & red pine marked.<br>Plantation was originally alternating rows of Jack & red.  |
| 65 | 4112 - Maple, Beech,<br>Cherry Association    | High Density<br>Log     | 35.5  | 80           | 51-80       |  |
| 66 | 42110 - Planted Red<br>Pine                   | High Density<br>Log     | 5.2   | 60           | 1-50        |  |
| 67 | 4110 - Sugar Maple<br>Association             | High Density<br>Log     | 68.9  | 75           | 111-140     | Good quality.<br>Occasional red oak  |
| 68 | 4139 - Aspen, Mixed<br>Deciduous              | High Density<br>Pole    | 28.9  | 48           |             | Also contains some ash, cherry, cedar, birch   |
| 69 | 4112 - Maple, Beech,<br>Cherry Association    | High Density<br>Log     | 7.9   | 70           | 81-110      | Mostly upland, but has some wet areas.<br>Also has scattered aspen and yellow birch.   |
| 70 | 6113 - Lowland Maple                          | High Density<br>Pole    | 20.0  | 70           |             |  |
| 71 | 4112 - Maple, Beech,<br>Cherry Association    | High Density<br>Log     | 34.8  | 77           | 81-110      | High water table<br>Lots of windthrow<br>Some decent quality sawlogs.<br>Pockets of blueberry<br>Remnant old road bed along east boundary                      |
| 73 | 42221 - Natural Jack<br>Pine, Mixed Deciduous | High Density<br>Sapling | 32.0  | 8            |             |  |
| 76 | 4110 - Sugar Maple<br>Association             | Medium<br>Density Pole  | 7.3   | 40           |             | Has some semi-open holes in stand.<br>Quite a dry site.<br>Occasional wolfy sugar maple or oak   |
| 77 | 6112 - Lowland Aspen                          | High Density<br>Sapling | 13.6  | 15           |             |  |



|     | Level 4<br>Cover Type                          | Size<br>Density         | Acres | Stand<br>Age | BA<br>Range | General<br>Comments:  |
|-----|--|-------------------------|-------|--------------|-------------|---|
| 78  | 4199 - Other Mixed<br>Upland Deciduous         | High Density<br>Pole    | 29.0  | 80           | 1-50        | Some decent quality red oak and some big & wolfy.   |
| 79  | 42110 - Planted Red<br>Pine                    | High Density<br>Pole    | 49.1  | 49           | 141-170     | This was an experimental plantation signed as "forest insect<br>study" Spacing is varied in 5 different areas in the stand.   |
| 82  | 42290 - Natural Mixed<br>Pine                  | High Density<br>Pole    | 4.3   | 40           | 1-50        |   |
| 84  | 42110 - Planted Red<br>Pine                    | High Density<br>Pole    | 13.6  | 41           | 141-170     |   |
| 85  | 4116 - Mixed N.<br>Hardwood - Aspen            | Medium<br>Density Pole  | 2.7   | 40           |             |   |
| 88  | 42110 - Planted Red<br>Pine                    | Medium<br>Density Pole  | 16.7  | 28           | 111-140     | very sandy<br>some areas of stunted growth  |
| 89  | 4130 - Aspen                                   | High Density<br>Sapling | 10.6  | 7            |             |   |
| 90  | 42110 - Planted Red<br>Pine                    | High Density<br>Log     | 1.5   | 60           | 81-110      |   |
| 91  | 42141 - Planted Mixed<br>Pine, Mixed Deciduous | High Density<br>Pole    | 8.0   | 69           | 1-50        |   |
| 93  | 6120 - Lowland Cedar                           | High Density<br>Log     | 24.4  | 120          | 111-140     | Lots of course woody debris.<br>Heavy moss on ground<br>Some grape vines.<br><br>A few scattered pockets of Hemlock regen.<br><br>small bog pond in center of stand             |
| 94  | 4139 - Aspen, Mixed<br>Deciduous               | Medium<br>Density Log   | 2.5   | 75           |             |   |
| 95  | 4130 - Aspen                                   | High Density<br>Sapling | 1.0   | 16           |             |   |
| 97  | 42110 - Planted Red<br>Pine                    | High Density<br>Pole    | 19.9  | 40           | 141-170     |   |
| 98  | 6113 - Lowland Maple                           | High Density<br>Log     | 44.1  | 92           | 81-110      |   |
| 99  | 4130 - Aspen                                   | High Density<br>Sapling | 9.6   | 16           |             |   |
| 100 | 4139 - Aspen, Mixed<br>Deciduous               | High Density<br>Pole    | 13.8  | 75           |             | Contains a small isolated vernal pond.<br><br>Very nice quality aspen. Would only become a medium (at best)<br>quality hardwood stand if left to succeed...not a high end site. |



|     | Level 4<br>Cover Type                      | Size<br>Density      | Acres | Stand<br>Age | BA<br>Range | General<br>Comments:   |
|-----|--|----------------------|-------|--------------|-------------|--|
| 101 | 4110 - Sugar Maple Association             | High Density Log     | 4.6   | 75           | 81-110      |  |
| 103 | 4111 - S.Maple, Hard Mast Association      | High Density Log     | 80.6  | 70           | 81-110      |  |
| 105 | 42121 - Planted Jack Pine, Mixed Deciduous | High Density Sapling | 18.5  | 17           |             | Also has some scattered Red pine   |
| 106 | 4116 - Mixed N. Hardwood - Aspen           | Medium Density Log   | 11.5  | 70           | 81-110      | Could clearcut for aspen regen, and mark some leave oak trees.   |
| 107 | 42110 - Planted Red Pine                   | High Density Log     | 46.2  | 58           | 111-140     |  |
| 108 | 4116 - Mixed N. Hardwood - Aspen           | Medium Density Log   | 12.5  | 75           | 51-80       |  |
| 109 | 42110 - Planted Red Pine                   | High Density Log     | 9.4   | 58           | 111-140     |  |
| 112 | 42110 - Planted Red Pine                   | High Density Log     | 15.6  | 58           | 111-140     | Was thinned twice: 1990, 2000  |
| 115 | 4139 - Aspen, Mixed Deciduous              | High Density Pole    | 6.5   | 40           |             |  |
| 117 | 6113 - Lowland Maple                       | High Density Log     | 16.4  | 60           | 81-110      | Some lowland and some upland<br>Also has a few red oak, cedar, yellow birch  |
| 120 | 4130 - Aspen                               | Medium Density Pole  | 4.4   | 45           |             |  |
| 122 | 4110 - Sugar Maple Association             | High Density Pole    | 12.8  | 75           | 81-110      | Medium quality overall<br>lots of multi-stems<br>not much ground plants<br>some log trees on north end.<br>was grazed?? long ago??<br>A few beech, hemlock |
| 123 | 6119 - Mixed Lowland Deciduous Forest      | High Density Pole    | 13.7  | 75           | 1-50        | +Occasional elm  |
| 124 | 42110 - Planted Red Pine                   | High Density Log     | 2.9   | 58           | 81-110      |  |
| 126 | 42110 - Planted Red Pine                   | High Density Log     | 4.9   | 58           | 111-140     |  |
| 130 | 6120 - Lowland Cedar                       | High Density Pole    | 7.4   | 120          |             | Mostly river bottom land along the Betsie river.   |
| 132 | 42110 - Planted Red Pine                   | High Density Pole    | 19.8  | 28           | 1-50        |  |



|            | Level 4<br>Cover Type        | Size<br>Density         | Acres | Stand<br>Age | BA<br>Range | General<br>Comments:  |
|------------|------------------------------|-------------------------|-------|--------------|-------------|---|
| <b>135</b> | 42120 - Planted Jack<br>Pine | Medium<br>Density Pole  | 1.3   | 47           |             | A deep frost pocket topographic depression that was left uncut<br>when the surrounding stand was harvested. |
| <b>136</b> | 42220 - Natural Jack<br>Pine | High Density<br>Sapling | 28.4  | 7            |             |   |
| <b>138</b> | 4311 - Pine, Aspen Mix       | High Density<br>Pole    | 18.1  | 58           |             |   |
| <b>141</b> | 42110 - Planted Red<br>Pine  | High Density<br>Log     | 37.4  | 58           | 111-140     | Thinned in 2000 and jack pine was removed too.  |



| Stand | Cover Type                        | Acres | Gen Cmts:   |
|-------|-----------------------------------|-------|---|
| 1     | 50 - Water                        | 2.1   | Ponded water in low area with scattered shrubs.   |
| 2     | 3303 - Mixed Low Density Trees    | 3.2   | Goldenrod, moss.  |
| 8     | 3301 - Low Density Deciduous Tree | 3.1   | Mainly gap between pine plantations.  |
| 10    | 6233 - Wet Meadow                 | 3.6   | Some rubus, aspen, white pine.  |
| 11    | 3105 - Mixed Upland Herbaceous    | 2.0   |   |
| 13    | 3105 - Mixed Upland Herbaceous    | 1.1   | Along Weldon Rd. A few scattered willow saplings (shrubs). Aspen encroachment. Lots of goldenrod and a trace of bracken and SKW.              |
| 14    | 6220 - Alder/willow               | 4.3   | Red osier dogwood, white pine poles along edge and some seedlings within, goldenrod, sedge, rubus. There is a cement culvert under Landis Rd. |
| 16    | 3105 - Mixed Upland Herbaceous    | 1.0   |   |
| 17    | 6229 - Mixed lowland shrub        | 1.9   |   |
| 25    | 6229 - Mixed lowland shrub        | 8.5   |   |
| 27    | 6220 - Alder/willow               | 20.2  | Willow shrubs, red maple.   |
| 28    | 6229 - Mixed lowland shrub        | 1.4   |   |
| 29    | 6229 - Mixed lowland shrub        | 14.6  |   |
| 30    | 6229 - Mixed lowland shrub        | 1.3   |   |
| 33    | 6229 - Mixed lowland shrub        | 2.4   |   |
| 34    | 6229 - Mixed lowland shrub        | 1.4   |   |
| 35    | 3301 - Low Density Deciduous Tree | 1.6   |   |
| 39    | 6239 - Mixed Emergent Wetland     | 3.9   | Same as stand 43.   |



| Stand | Cover Type                        | Acres | Gen Cmts:  |
|-------|-----------------------------------|-------|--|
| 42    | 3303 - Mixed Low Density Trees    | 14.2  |  |
| 43    | 6239 - Mixed Emergent Wetland     | 8.5   | Scattered snags.   |
| 56    | 3105 - Mixed Upland Herbaceous    | 11.5  | Stump sprout red maples.   |
| 58    | 6239 - Mixed Emergent Wetland     | 3.0   | Similar to stand 43.   |
| 72    | 3301 - Low Density Deciduous Tree | 13.7  | Traces of SJW, sheep sorrel, rubus, and oak seedlings. Old autumn olive planting at south end. Shrubs looking healthy.   |
| 74    | 3301 - Low Density Deciduous Tree | 1.8   | Goldenrod and SJW. Lots if maple and aspen encroachment.   |
| 75    | 6224 - Treed Bog                  | 12.0  |  |
| 80    | 3105 - Mixed Upland Herbaceous    | 1.5   | Small block or notch that was not planted out of rectangular pine plantation. Scattered trees and herbaceous cover. Adjacent to S. Weldon Rd. and private property to the north. |
| 81    | 11 - Low Intensity Urban          | 21.0  |  |
| 83    | 3301 - Low Density Deciduous Tree | 5.0   | Furniture dump. Scattered honeysuckle and some autumn olive planted along perimeter. Traces of SKW, cladonia, lycapodia.   |
| 86    | 710 - Sand, Soil                  | 1.0   | Small sand blowout in pine plantation.   |
| 87    | 3301 - Low Density Deciduous Tree | 1.1   | Same opening as stand 72, just is isolated by a private parcel.  |
| 92    | 3301 - Low Density Deciduous Tree | 1.6   | This opening is a long and narrow stand running down the edge a pine plantation. Species composition is similar to stand 83.   |
| 96    | 6233 - Wet Meadow                 | 2.7   | Real dry. Aspen is invading.   |
| 102   | 3105 - Mixed Upland Herbaceous    | 1.1   | Dead elm covered in wild grape. Small cottage w/fence crowding property line.  |
| 104   | 3105 - Mixed Upland Herbaceous    | 1.3   | Goldenrod, hoary alysum, autumn olive, brome, daisy fleabane, St. John's wort, and several pine saps.  |
| 110   | 3301 - Low Density Deciduous Tree | 2.1   | Part of small isolated parcel along Betsie River. Clump of trees to the north and mostly open on south end. Possible minor trespass from private property to the west.           |



| Stand | Cover Type                        | Acres | Gen Cmts:  |
|-------|-----------------------------------|-------|--|
| 111   | 3105 - Mixed Upland Herbaceous    | 5.7   | Hoary alysum, mullin, brome, sheep sorrel, mint, daisy fleabane, goatsbeard, clump of lilac.   |
| 113   | 3105 - Mixed Upland Herbaceous    | 1.0   | Scattered red pine and beech saplings. This opening was created by localized red pine die-off within a plantation.   |
| 114   | 6229 - Mixed lowland shrub        | 2.8   | Betsie River and adjacent lowland shrub stand.   |
| 116   | 3105 - Mixed Upland Herbaceous    | 1.8   | Directly behind Betsie River Sportsmans Club. Several of their items are in trespass (trailer, targets). Apple trees and some scattered red pine saps.                               |
| 118   | 50 - Water                        | 1.9   | Betsie River   |
| 119   | 50 - Water                        | 4.9   | Betsie River   |
| 121   | 3103 - Rubus-Fern                 | 5.3   | Goldenrod, SJW, choke cherry, hoary alysum, mullin, juneberry, hawthorn.   |
| 125   | 3105 - Mixed Upland Herbaceous    | 1.2   | Similar to stand 128.  |
| 127   | 50 - Water                        | 5.8   | Betsie River   |
| 128   | 3301 - Low Density Deciduous Tree | 1.0   |  |
| 129   | 50 - Water                        | 1.6   | Betsie River   |
| 131   | 3105 - Mixed Upland Herbaceous    | 1.5   | South end has some trees. Snowmobile trail connector. Large bowl depression with old wooden steps and foundation. Phlox, hoary alysum, honeysuckle, wormwood.                        |
| 133   | 3303 - Mixed Low Density Trees    | 1.5   | Old well pad of off Wells Rd.  |
| 134   | 3105 - Mixed Upland Herbaceous    | 19.5  | Mix of grasses, skw, seedlings.  |
| 137   | 3103 - Rubus-Fern                 | 6.9   | Hoary alysum, vetch, timothy, yarrow, 1 hawthorne, goldenrod, goatsbeard, mullin, daisy fleabane, hoary vervain, white clover.   |
| 139   | 3105 - Mixed Upland Herbaceous    | 1.7   | On an isolated but accessible 80 of state land. Target shooting in depression/bowl. Slash piles on east edge. Hoary alysum, milkweed, mullin, wild grape, rubus, honeysuckle, phlox. |
| 140   | 6229 - Mixed lowland shrub        | 1.2   |  |