

# Appendix C: SIGNIFICANT ECOLOGICAL AREAS

CITY OF LEBANON SIGNIFICANT ECOLOGICAL AREAS - as of October 2009

| Id | Name                      | Location                            | Attribute_1          | Attribute_2          | Attribute_3         | ACRES | Id | Name                     | Location                            | Attribute_1           | Attribute_2           | Attribute_3         | ACRES   |
|----|---------------------------|-------------------------------------|----------------------|----------------------|---------------------|-------|----|--------------------------|-------------------------------------|-----------------------|-----------------------|---------------------|---------|
|    |                           |                                     |                      |                      |                     |       | 40 | Mt Tug Old Growth        | Upper S woodland of Mt Tug          | old growth wood-land  | dry pine-oak          | wildlife habitat    | 7.9     |
| 1  | Rich Mesic Forest         | Boston Lot Lake SE                  | rich soils           | rare plants          | high water table    | 26.6  |    |                          |                                     | upper basin wet-lands | deer wintering area   |                     | 16.0    |
| 2  | Boston Lot Lake           | Boston Lot Lake & Buffer            | open water body      | wetland seepages     | rich soils          | 100.2 | 41 | NE Upper Basin           | NE Corner Lebanon                   | grassland habitat     | wetlands              | migratory birds     | 19.8    |
| 3  | Wilder Dam Shoreline      | Below Wilder Dam                    | rare plants          | riverine shoreline   | migratory birds     | 1.5   | 42 | Mascoma Lake NW          | NW Mascoma Lake Area                | riparian communi-ties | rare plants           | riparian wildlife   | 52.3    |
| 4  | Falls Seepage Area        | Behind the Falls                    | rare plants          | rich seepage slope   |                     | 1.4   | 43 | Mascoma River East       | E part Mascoma River below Rte 4    | riparian communi-ties | rare plants           | riparian wildlife   | 8.6     |
| 5  | Conn. R. Island #1        | North-most island below Wilder Dam  | silver maple forest  | tiger beetle habitat | mussel beds         | 5.5   | 44 | Central Mascoma River    | Area upstream of Baker's Crossing   | wetland wildlife      | sediment/tox re-duct. |                     | 17.4    |
| 6  | Conn. R. Island #2        | 2nd island S of Wilder Dam          | silver maple forest  |                      |                     | 2.5   | 45 | Heater Road South        | Wetland S of Heater Road            | wetland wildlife      | migratory birds       |                     | 15.2    |
| 8  | Conn. R. Island #3        | 3rd island S of Wilder Dam          | silver maple forest  |                      |                     | 0.3   | 46 | High School Wetland      | Wetland S of High School            | winter waterfowl      | riparian habitat      |                     | 58.0    |
| 9  | Johnson Island West       | 5th island S of Wilder Dam          | silver maple forest  |                      |                     | 0.9   | 47 | Mascoma R. Dulac Rd      | Mascoma R. N of Dulac Rd            | riparian habitat      | migratory birds       |                     | 116.6   |
| 10 | Johnson Island            | 4th island S of Wilder Dam          | tiger beetle habitat | silver maple forest  |                     | 10.7  | 48 | West Central Mascoma R.  | Mascoma R. below I-89               |                       |                       |                     |         |
| 11 | Burnt Mountain            | Summit & SE Slope of Burnt Mtn      | dry pine-oak for.    | talus slope          | wildlife mast area  | 18.3  |    |                          |                                     |                       |                       |                     |         |
| 12 | Landmark Beaver Complex   | Southern drainage area of Landmark  | beaver wetlands      | wildlife habitat     | exemp. nat. comm.s  | 90.2  |    |                          |                                     |                       |                       |                     |         |
| 13 | Cicumneutral Talus Area   | E side of Landmark beaver marshes   | unique nat. comm.    | rare plants          | wildlife habitat    | 0.9   | 49 | Two Rivers               | R.                                  | riparian habitat      | rare plants           | migratory birds     | 50.0    |
| 14 | Landmark Swamp #1         | S central Landmark land             | remote wetland       | wildlife habitat     |                     | 3.1   | 50 | Trues Brook Boat Ramp    | Conn. R. floodplain at True's Brook | riparian habitat      | migratory birds       | riverine shoreline  | 29.5    |
| 15 | Landmark Seep #1          | S central Landmark land             | semi-rich seep       | rare plants          | wildlife habitat    | 2.4   | 51 | True's Brook Gorge       | True's Brook Natural Area           | riparian habitat      | rare plants           | cliff/talus areas   | 5.7     |
| 16 | Landmark VP Cluster #1    | Central Landmark land               | vernal pools x 7     | wildlife habitat     |                     | 5.2   | 52 | Pipas-Swogger Basin      | City Line S on Pipas-Swogger prop.  | vernal pools          | rich fen              | rare plants         | 44.9    |
| 17 | Landmark bog swamp N      | N central Landmark land             | vernal pool          | bog habitat          | wildlife habitat    | 0.6   | 53 | Pipas Rich Mesic Forest  | Mostly E part of Pipas Property     | rich mesic forest     | rare plants           |                     | 11.4    |
| 18 | Landmark Linear Wetland   | N central Landmark land             | remote wetland       | vernal pool          | wildlife habitat    | 5.1   | 54 | Bagley Rich Mesic Forest | SW part of Bagley Property          | rich mesic forest     |                       |                     | 5.8     |
| 19 | Landmark Deer Yard #1     | N central Landmark land             | wintering deer area  | wildlife habitat     | vernal pools        | 21.2  | 55 | Upper Hibbard Brook      | S part of Bagley Property on T/L    | wetland wildlife      | deer wintering area   |                     | 32.7    |
| 20 | Burnt Mtn Deer Yard       | W side of Burnt Mtn                 | wintering deer area  | wildlife habitat     | remote wetlands     | 25.0  | 56 | East Hibbard Brook       | Upper part of E Hibbard Brook       | wetland wildlife      | deer wintering area   |                     | 13.4    |
| 21 | Landmark Deer Yard #2     | N central Landmark land             | wintering deer area  | wildlife habitat     | intermittent stream | 16.2  | 57 | Meadowsend Rich Mesic    | Meadowsend Prop. on T/L             | rich mesic            | rare plants           |                     | 11.5    |
| 22 | Landmark VP Cluster #2    | Central E Landmark land             | vernal pools         | seepage swamps       | wildlife habitat    | 5.8   | 58 | Townsend Rich Seeps      | Townsend Prop. S of Cross Rd        | rich mesic            | remote wetland        |                     | 12.9    |
| 23 | Landmark VP Cluster #3    | Central E Landmark land             | vernal pools         | seepages             | wildlife habitat    | 2.2   | 59 | Townsend Rich Mesic      | Townsend Prop. S of Cross Rd        | rich mesic            | talus slope           | rare plants         | 9.9     |
| 24 | Landmark Basin Wetlands E | E central Landmark land             | seasonal pools       | wildlife habitat     |                     | 7.9   | 60 | Farnham Hill             | Central Part of Farnham Hill        | deer wintering area   | seepage wetlands      | vernal pools        | 32.7    |
| 25 | Quarry Hill West          | W side Quarry Hill ledges           | vernal pools         | pine-oak woodland    | wildlife habitat    | 1.8   | 61 | Townsend (Tomapo) Farm   | Townsend Property fields            | grassland habitat     | migratory birds       |                     | 203.7   |
| 26 | Quarry Hill Summit        | Summit rock pile                    | talus boulder slope  | wildlife habitat     |                     | 0.3   | 62 | Goodwin Park Semi-Rich   | E central part of Goodwin Park      | semi-rich mesic       | rare plants           | seepage habitat     | 24.3    |
| 27 | Quarry Hill South Talus   | Large Talus Ravine S of Quarry Hill | cool-air talus slope | wildlife habitat     |                     | 2.3   | 63 | Central Great Brook      | Great Bk below Daisy Hill Rd        | riparian habitat      | rare animals?         |                     | 87.9    |
| 28 | Landmark VP SE            | SE Landmark land                    | vernal pool          | remote swamp         | wildlife habitat    | 2.1   |    |                          |                                     |                       |                       |                     |         |
| 29 | Mt. Support Rd Wetland    | E side Mt. Support Rd               | beaver marsh         | seepage swamp        | wildlife habitat    | 135.5 | 64 | Great Brook West         | W trib of Great Bk W of Meriden Rd  | riparian habitat      | remote wetlands       | deer wintering area | 69.0    |
| 30 | Rix Ledges South          | S unit of Rix Ledges ridge          | pine-oak woodland    | wildlife habitat     |                     | 13.3  | 65 | Atherton Road East       | Upper E side of Atherton Road       | semi-rich oak forest  | rich mesic forest     | upland habitat      | 13.1    |
| 31 | Rix Ledges North          | N unit of Rix Ledges ridge          | pine-oak woodland    | open ledges          | wildlife habitat    | 4.7   |    |                          |                                     |                       |                       |                     |         |
| 32 | Mount Support Basin       | N central part of Mount Support     | remote wetland       | wildlife habitat     | deer wintering area | 22.2  | 66 | Bass Hill                | Summit & W side of Bass Hill        | grassland habitat     | upland scrub habitat  | migratory birds     | 115.3   |
| 33 | NW Town Line Fen          | NW part Mount Support               | basin fen            | wildlife habitat     | deer wintering area | 5.0   | 67 | Walhowdon Farm           | Open areas of Walhowdon Farm        | grassland habitat     | upland scrub habitat  |                     | 106.1   |
| 34 | Signal Hill North         | N part Signal Hill                  | wildlife habitat     | remote meadow        | deer wintering area | 34.3  | 68 | Martin Brook Wetlands    | Upper headwaters of Martin Brook    | remote wetland        | deer wintering area   | wildlife habitat    | 55.7    |
|    |                           |                                     |                      |                      |                     |       | 69 | Airport South            | Scrubland S of Airport              | scrubland habitat     | migratory birds       | sloping wetlands    | 100.1   |
|    |                           |                                     |                      |                      |                     |       | 70 | Airport South Deer Yard  | Coniferous woods S of Airport       | deer wintering area   | wildlife habitat      | black ash swamp     | 53.2    |
|    |                           |                                     |                      |                      |                     |       | 71 | Chambers Mem. Preserve   | NW part of Chambers & Conn. R.      | riverine shoreline    | vernal pool           | bluffs & shoals     | 6.3     |
|    |                           |                                     |                      |                      |                     |       | 72 | Upper Conn. R. Shoal     | Shoreline of Alana Cole Park        | riverine shoreline    | tiger beetle habitat  | mussel beds         | 7.8     |
| 36 | Hardy Hill Open Uplands   | Field/shrubland W of Hardy Hill Rd  | openland habitat     |                      |                     | 48.1  | 73 | Northeast Indian Ridge   | W of Med. Center along int. stream  | deer wintering area   | remote wetlands       |                     | 48.6    |
| 37 | Sunset Rock Rd West       | shrublands W of Sunset Rock Rd      | shrubland habitat    | grassland habitat    |                     | 33.1  | 74 | Lower Bottomless Pit     | S of City line W of Etna Road       | waterfowl area        | deer wintering area   | wildlife habitat    | 32.1    |
| 38 | Brook Road Floodplain     | Small floodplain W of Brook Rd      | riparian habitat     | rare plants          |                     | 4.6   |    |                          |                                     |                       |                       |                     |         |
| 39 | Mt Tug West Deer Yard     | Upper basin W of Mt Tug             | wintering deer area  | wildlife habitat     |                     | 53.9  |    |                          |                                     |                       |                       | SUM                 | 2225.60 |