

**APPENDIX B:
SOILS LOG**



APPENDIX B SOILS LOG

Triangle Intersection (Island) Areas

| <u>STP</u> | <u>Stratum</u> | <u>Level</u> | <u>Depth</u> | <u>Munsell</u> | <u>Soil Description</u> |
|------------|----------------|--------------|--------------|-----------------------------------|--|
| STP 1 | A-fill | 1 | 0-24 cmbs | 10YR 5/4 | Yellowish brown silt loam |
| | Ap | 2 | 24-33 cmbs | 10YR 5/4 | Yellowish brown silt loam |
| | B | 3 | 33-55 cmbs | 10YR 6/2 | Light brownish gray silt loam |
| STP 2 | Ap | 1 | 0-15 cmbs | 10YR 5/4 | Yellowish brown silt loam |
| | B | 2 | 15-45 cmbs | 10YR 6/2 | Light brownish gray silt loam |
| | B | 3 | 45-60 cmb | 10YR 6/2 | Light brownish gray silt loam |
| STP 3 | Ap | 1 | 0-18 cmbs | 10YR 5/4 | Yellowish brown silt loam |
| | Ap | 2 | 18-32 cmbs | 10YR 4/2 | Dark grayish brown silt loam |
| | Transition | 3 | 32-39 cmbs | 10YR 5/3 | Brown silt loam |
| | B | 4 | 39-52 cmbs | 10YR 4/4 | Dark yellowish brown silt loam |
| STP 4 | Fill I | 1 | 0-20 cmbs | 10YR 5/2 | Grayish brown silt loam |
| | Fill II | 2 | 20-60 cmbs | 10YR 5/3 | Brown silt loam |
| STP 5 | Ap | 1 | 0-28 cmbs | 10YR 3/2 | Very dark grayish brown silt loam |
| | B | 2 | 28-39 cmbs | 10YR 5/4 | Yellowish brown silt loam |
| | B | 3 | 39-52 cmbs | 10YR 5/6 | Yellowish brown silt loam |
| STP 6 | A | 1 | 0-14 cmbs | 10YR 4/3 | Brown clay loam |
| | Fill | 2 | 14-36 cmbs | 10YR 4/3 | Brown clay loam w/rock, asphalt, pebbles |
| | Fill | 3 | 36-50 cmbs | 10YR 5/4 mottled with 10YR 5/6 | Yellowish brown compact sandy silt |

APPENDIX B SOILS LOG

Dover Air Force Base

| <u>STP</u> | <u>Stratum</u> | <u>Level</u> | <u>Depth</u> | <u>Munsell</u> | <u>Soil Description</u> |
|------------|----------------|--------------|--------------|-----------------------------------|--|
| N100 E100 | Ap | 1 | 0-2 cmbs | 10YR 4/6 | Dark yellowish brown clay loam |
| | B | 2 | 2-30 cmbs | 10YR 5/6 | Yellowish brown clay loam |
| | B | 3 | 30-45 cmbs | 10YR 5/6 mottled with 10YR 6/4 | Yellowish brown mottled w/light yellowish brown clay loam |
| N100 E200 | Ap | 1 | 0-6 cmbs | 10YR 4/6 | Dark yellowish brown clay loam |
| | B | 2 | 6-36 cmbs | 10YR 5/6 | Yellowish brown silty clay |
| N100 E300 | Ap | 1 | 0-7 cmbs | 10YR 4/6 | Dark yellowish brown clay loam |
| | B | 2 | 7-32 cmbs | 10YR 5/6 | Yellowish brown silty clay |
| N100 E400 | Ap | 1 | 0-9 cmbs | 10YR 4/6 | Dark yellowish brown clay loam |
| | B | 2 | 9-35 cmbs | 10YR 5/6 | Yellowish brown silty clay |
| N100 E500 | Ap | 1 | 0-27 cmbs | 10YR 4/3 | Brown silt loam |
| | Transition | 2 | 27-38 cmbs | 10YR 5/4 | Yellowish brown silt loam |
| | B | 3 | 38-63 cmbs | 10YR 5/6 | Yellowish brown silty clay |
| N100 E600 | Ap | 1 | 0-8 cmbs | 10YR 4/3 | Brown silt loam |
| | B | 2 | 8-35 cmbs | 10YR 5/6 | Yellowish brown silty clay |
| N100 E700 | Ap | 1 | 0-1 cmbs | 10YR 4/3 | Brown silt loam |
| | B | 2 | 1-22 cmbs | 10YR 5/6 | Yellowish brown silty clay |
| N100 E800 | Ap | 1 | 0-9 cmbs | 10YR 4/3 | Brown silt loam |
| | B | 2 | 9-28 cmbs | 10YR 5/6 | Yellowish brown silty clay |
| N100 E900 | Ap | 1 | 0-22 cmbs | 10YR 4/3 | Brown silt loam |
| | B | 2 | 22-34 cmbs | 10YR 5/6 | Yellowish brown fine silty sand |

APPENDIX B

SOILS LOG

| <u>STP</u> | <u>Stratum</u> | <u>Level</u> | <u>Depth</u> | <u>Munsell</u> | <u>Soil Description</u> |
|------------|----------------|--------------|--------------|----------------|--|
| N100 E1000 | Ap | 1 | 0-17 cmbs | 10YR 4/3 | Brown silt loam |
| | B | 2 | 17-37 cmbs | 10YR 5/6 | Yellowish brown fine silty sand w/pos. rodent disturbance |
| N100 E1100 | Ap | 1 | 0-23 cmbs | 10YR 4/3 | Brown silt loam |
| | B | 2 | 23-50 cmbs | 10YR 5/6 | Yellowish brown fine silty sand w/pos. rodent disturbance |
| N200 E300 | Ap | 1 | 0-18 cmbs | 10YR 4/4 | Dark yellowish brown silty clay |
| | B | 2 | 18-38 cmbs | 10YR 5/8 | Yellowish brown loamy silt |
| | B | 3 | 38-58 cmbs | 10YR 5/8 | Yellowish brown sandy silt |
| N200 E400 | B | 1 | 0-38 cmbs | 10YR 5/8 | Yellowish brown loamy silt |
| N200 E500 | Ap | 1 | 0-23 cmbs | 10YR 4/4 | Dark yellowish brown silty clay |
| | B | 2 | 23-36 cmbs | 10YR 5/8 | Yellowish brown loamy silt |
| N200 E600 | B | 1 | 0-35 cmbs | 10YR 6/6 | Brownish yellow silty clay |
| N200 E700 | Ap | 1 | 0-10 cmbs | 10YR 4/4 | Dark yellowish brown silt loam |
| | B | 2 | 10-28 cmbs | 10YR 6/4 | Light yellowish brown silt loam |
| | B | 3 | 28-41 cmbs | 10YR 5/8 | Yellowish brown silty clay |
| N200 E800 | Ap | 1 | 0-25 cmbs | 10YR 4/3 | Brown silt loam |
| | B/E | 2 | 25-44 cmbs | 10YR 6/4 | Light yellowish brown silt loam |
| | B | 3 | 44-55 cmbs | 10YR 5/8 | Yellowish brown silty clay |
| N200 E900 | Ap | 1 | 0-30 cmbs | 10YR 3/4 | Dark yellowish brown silt loam |
| | B | 2 | 30-50 cmbs | 10YR 6/2 | Light brownish gray sandy loam |
| N200 E1000 | Ap | 1 | 0-27 cmbs | 10YR 3/4 | Dark yellowish brown silt loam |
| | B | 2 | 27-48 cmbs | 10YR 6/2 | Light brownish gray sandy loam |

APPENDIX B SOILS LOG

| <u>STP</u> | <u>Stratum</u> | <u>Level</u> | <u>Depth</u> | <u>Munsell</u> | <u>Soil Description</u> |
|------------|----------------|--------------|--------------|----------------|---------------------------------|
| N200 E1100 | Ap | 1 | 0-24 cmbs | 10YR 3/4 | Dark yellowish brown silt loam |
| | B | 2 | 24-36 cmbs | 10YR 6/4 | Light yellowish brown silt loam |
| | B | 3 | 36-44 cmbs | 10YR 5/8 | Yellowish brown silty clay |
| N300 E500 | B | 1 | 0-36 cmbs | 10YR 5/8 | Yellowish brown silty clay |
| N300 E600 | Ap | 1 | 0-35 cmbs | 10YR 4/3 | Brown silt loam |
| | B | 2 | 35-55 cmbs | 2.5Y 5/4 | Light olive brown loamy clay |
| N300 E700 | Ap | 1 | 0-35 cmbs | 10YR 4/3 | Brown silt loam |
| | B | 2 | 35-50 cmbs | 2.5Y 5/4 | Light olive brown loamy clay |
| N300 E800 | Ap | 1 | 0-33 cmbs | 10YR 4/3 | Brown silt loam |
| | B | 2 | 33-50 cmbs | 2.5Y 5/4 | Light olive brown loamy clay |
| N300 E900 | Ap | 1 | 0-24 cmbs | 10YR 4/4 | Dark yellowish brown silt loam |
| | B | 2 | 24-39 cmbs | 2.5Y 5/4 | Light olive brown loamy clay |
| N300 E1000 | Ap | 1 | 0-28 cmbs | 10YR 4/4 | Dark yellowish brown silt loam |
| | B | 2 | 28-44 cmbs | 2.5Y 5/4 | Light olive brown loamy clay |
| N300 E1100 | Ap | 1 | 0-28 cmbs | 10YR 4/4 | Dark yellowish brown silt loam |
| | B | 2 | 28-42 cmbs | 10YR 6/4 | Light yellowish brown silt loam |
| N400 E800 | Ap | 1 | 0-25 cmbs | 10YR 4/3 | Brown silt loam |
| | B | 2 | 25-41 cmbs | 10YR 5/4 | Yellowish brown clayey silt |
| N400 E900 | Ap | 1 | 0-22 cmbs | 10YR 4/3 | Brown silt loam |
| | B | 2 | 22-44 cmbs | 10YR 5/4 | Yellowish brown clayey silt |
| N400 E1000 | Ap | 1 | 0-24 cmbs | 10YR 4/3 | Brown silt loam |
| | B | 2 | 24-40 cmbs | 10YR 5/4 | Yellowish brown clayey silt |

APPENDIX B SOILS LOG

| <u>STP</u> | <u>Stratum</u> | <u>Level</u> | <u>Depth</u> | <u>Munsell</u> | <u>Soil Description</u> |
|------------|----------------|--------------|--------------|-----------------------------------|--|
| N500 E800 | Ap | 1 | 0-23 cmbs | 10YR 4/3 | Brown silt loam |
| | B | 2 | 23-35 cmbs | 10YR 5/4 | Yellowish brown silt |
| N500 E900 | Ap | 1 | 0-22 cmbs | 10YR 4/3 | Brown silt loam |
| | B | 2 | 22-36 cmbs | 10YR 5/4 | Yellowish brown clayey silt |
| N500 E1000 | Ap | 1 | 0-22 cmbs | 10YR 4/3 | Brown silt loam |
| | B | 2 | 22-40 cmbs | 10YR 5/4 | Yellowish brown clayey silt |
| N600 E900 | Ap | 1 | 0-40 cmbs | 10YR 4/3 | Brown silt loam |
| | B | 2 | 40-50 cmbs | 10YR 5/4 | Yellowish brown loam |
| N700 E900 | Ap | 1 | 0-24 cmbs | 10YR 3/4 | Dark yellowish brown silt loam |
| | B | 2 | 24-45 cmbs | 10YR 6/1 | Gray silt loam |
| | B | 3 | 45-60 cmbs | 2.5Y 5/4 | Light olive brown silty clay |
| N800 E900 | A-topsoil | 1 | 0-1 cmbs | 10YR 4/3 10YR5/4 mottled with | Brown silt loam |
| | Fill | 2 | 1-10 cmbs | 10YR 5/6 | Yellowish brown silt |
| | Ap | 3 | 10-31 cmbs | 10YR 4/3 | Brown silt loam |
| | B | 4 | 31-42 cmbs | 10YR 5/4 | Yellowish brown very fine silty sand |
| N900 E900 | Fill | 1 | 0-20 cmbs | 10YR 4/6 10YR 3/4 mottled with | Dark yellowish brown loamy silt Dark yellowish brown mottled with/ silty clay |
| | Fill/disturbed | 2 | 20-35 cmbs | 2.5Y 5/4 | clay |
| | B | 3 | 35-55 cmbs | 2.5Y 5/4 | Light olive brown silty clay |

APPENDIX B SOILS LOG

Tilcon Property

| <u>TU</u> | <u>Stratum</u> | <u>Level</u> | <u>Depth</u> | <u>Munsell</u> | <u>Soil Description</u> |
|------------------|----------------|--------------|--------------|-----------------------------------|---|
| TU 1, Block J-10 | Ap | 1 | 9-35 cmbd | 10YR 4/3 | Brown very fine sandy silt |
| | B/E | 2 | 35-45 cmbd | 10YR 5/4-5/6 | Yellowish brown very fine sandy silt |
| | B | 3 | 45-55 cmbd | 10YR 5/4-5/6 | Yellowish brown slightly clayey silt |
| | B | 4 | 55-65 cmbd | 10YR 5/6 | Yellowish brown slightly clayey silt |
| | B | 5 | 65-72 cmbd | 10YR 5/6 | Yellowish brown sandy clay loam |
| | B2 | 6 | 72-82 cmbd | 10YR 5/8 mottled with 10YR 5/6 | Yellowish brown silty sand |
| | B2 | 7 | 82-87 cmbd | 10YR 5/6 | Yellowish brown silty sand |
| | B3 | 8 | 87-93 cmbd | 10YR 6/4 | Light yellowish brown sand w/gravels |
| TU 1, Block L-4 | Ap | 1 | 7-28 cmbd | 10YR 4/3 | Brown very fine sandy silt |
| | B/E | 2 | 28-38 cmbd | 10YR 6/6 | Brownish yellow silt |
| | B | 3 | 38-49 cmbd | 10YR 5/6 | Yellowish brown clayey silt |
| | B | 4 | 49-59 cmbd | 10YR 5/6 | Yellowish brown clayey silt |
| | B | 5 | 59-69 cmbd | 10YR 5/6 | Yellowish brown clayey silt |
| | B2 | 6 | 69-79 cmbd | 10YR 5/6 mottled with 10YR 5/4 | Yellowish brown clayey silt |
| | B2 | 7 | 79-89 cmbd | 10YR 5/6 mottled with 10YR 5/4 | Yellowish brown clayey silt |
| | B3 | 8 | 89-90 cmbd | 10YR 6/2 | Yellowish brown mottled with light brownish gray clay loam |
| | Bg | 9 | 90-100 cmbd | 10YR 6/2 | Light brownish gray clay loam |

APPENDIX B SOILS LOG

| <u>TU</u> | <u>Stratum</u> | <u>Level</u> | <u>Depth</u> | <u>Munsell</u> | <u>Soil Description</u> |
|------------------|----------------|--------------|--------------|--|---|
| TU 1, Block L-9 | Ap | 1 | 10-37 cmbd | 10YR 3/2 | Very dark grayish brown clay loam |
| | B | 2 | 37-47 cmbd | 10YR 5/6 | Yellowish brown silty clay |
| | B | 3 | 47-58 cmbd | 10YR 5/6 | Yellowish brown silty clay |
| | B | 4 | 58-69 cmbd | 10YR 5/6 | Yellowish brown silty clay |
| | B2 | 5 | 69-80 cmbd | 2.5Y 5/6 | Light olive brown loam |
| | B2 | 6 | 80-92 cmbd | 2.5Y 5/6 | Light olive brown loam |
| | B3 | 7 | 92-104 cmbd | 2.5Y 5/6 mottled with a 2.5Y 5/4 | Light olive brown silty clay |
| | B3 | 8 | 104-114 cmbd | 2.5Y 5/6 mottled with a 2.5Y 5/4 | Light olive brown silty clay |
| | B3 | 9 | 114-124 cmbd | 2.5Y 5/6 mottled with a 2.5Y 5/4 | Light olive brown silty clay |
| | Bg | 10 | 124-135 cmbd | 10YR 5/2 mottled with 10YR 6/1 and 10YR 5/6 | Grayish brown mottled with gray and yellowish brown loam |
| TU 1, Block L-11 | Ap | 1 | 13-39 cmbd | 10YR 4/4 | Dark yellowish brown sandy silt |
| | B1 | 2 | 39-53 cmbd | 10YR 5/6 mottled with 10YR 3/3, 10YR 6/4, and 10YR 7/2 | Yellowish brown mottled with dark brown, brownish yellow, and light gray clay loam |
| | B1 | 3 | 53-63 cmbd | 10YR 5/6 mottled with 10YR 3/3, 10YR 6/4, and 10YR 7/2 | Yellowish brown mottled with dark brown, brownish yellow, and light gray clay loam |
| | B1 | 4 | 63-75 cmbd | 10YR 5/6 mottled with 10YR 3/3, 10YR 6/4, and 10YR 7/2 | Yellowish brown mottled with dark brown, brownish yellow, and light gray clay loam |
| | B2 | 5 | 75-100 cmbd | 10YR 4/4 | Dark yellowish brown loam |