Tuban District V4

Diagram of a diagram showing the growth of a tree

AI-generated content may be incorrect.

Average monthly basin values

| **Mon** | **Rain (MM)** | **SURF Q**  **(MM)** | **LAT Q**  **(MM)** | **Water Yield (MM)** | **ET (MM)** | **Sed. Yield**  **(T/HA)** | **PET (MM)** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| 1 | 3.87 | 0.00 | 0.04 | 0.04 | 3.12 | 0.00 | 119.47 |
| 2 | 2.88 | 0.00 | 0.04 | 0.04 | 3.11 | 0.00 | 123.84 |
| 3 | 3.43 | 0.00 | 0.04 | 0.04 | 4.08 | 0.00 | 169.93 |
| 4 | 4.98 | 0.01 | 0.05 | 0.05 | 5.70 | 0.00 | 186.89 |
| 5 | 0.63 | 0.00 | 0.02 | 0.02 | 2.16 | 0.00 | 175.31 |
| 6 | 5.91 | 0.03 | 0.06 | 0.07 | 4.05 | 0.00 | 159.18 |
| 7 | 11.49 | 0.09 | 0.14 | 0.19 | 8.56 | 0.00 | 173.98 |
| 8 | 9.99 | 0.35 | 0.16 | 0.42 | 9.36 | 0.00 | 166.47 |
| 9 | 3.57 | 0.02 | 0.07 | 0.08 | 7.03 | 0.00 | 147.78 |
| 10 | 0.84 | 0.00 | 0.02 | 0.03 | 3.64 | 0.00 | 160.94 |
| 11 | 3.37 | 0.00 | 0.03 | 0.04 | 3.39 | 0.00 | 145.87 |
| 12 | 0.68 | 0.00 | 0.01 | 0.02 | 1.71 | 0.00 | 124.44 |

Water Balance Ratios

|  |  |
| --- | --- |
| **Streamflow/Precipitation** | 0.02 |
| **Baseflow/Total Flow** | 0.58 |
| **Surface Runoff/Total Flow** | 0.42 |
| **Percolation/Precipitation** | 0.00 |
| **Deep Recharge/Precipitation** | 0.00 |
| **ET/Precipitation** | 1.08 |

Summary by Reported Land Use

This table contains a few important predictions summarized by land use. These should be reviewed carefully.

| **LULC** | **AREA ha** | **CN** | **AWC**  **mm** | **USLE\_LS** | **IRR mm** | **PREC mm** | **SURQ**  **mm** | **GWQ mm** | **ET mm** | **SED th** | **NO3 kgh** | **ORGN kgh** | **BIOM th** | **YLD th** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| BARR | 2,123.62 | 88.75 | 155.28 | 1.17 | 0.00 | 51.85 | 0.52 | 0.69 | 50.84 | 0.00 | 0.14 | 0.00 | 0.00 | 0.00 |
| BERM | 10.99 | 74.74 | 174.17 | 0.77 | 0.00 | 39.72 | 3.63 | 0.19 | 35.91 | 0.14 | 0.35 | 0.25 | 0.06 | 0.04 |
| DWHT | 57.13 | 74.73 | 166.31 | 0.40 | 0.00 | 45.10 | 0.00 | 0.09 | 45.02 | 0.00 | 0.04 | 0.00 | 0.02 | 0.00 |
| ONIO | 44.75 | 70.00 | 158.58 | 0.42 | 238.28 | 46.86 | 0.00 | 0.61 | 284.58 | 0.00 | 0.02 | 0.00 | 8.78 | 3.76 |
| ORCD | 1.20 | 70.00 | 142.86 | 0.57 | 1,042.73 | 53.76 | 0.00 | 3.69 | 1,092.80 | 0.00 | 0.00 | 0.00 | 11.54 | 0.00 |
| RNGB | 1.06 | 67.48 | 162.56 | 0.91 | 0.00 | 47.92 | 0.00 | 0.61 | 47.37 | 0.00 | 0.03 | 0.00 | 0.03 | 0.02 |
| SHRB | 29.87 | 73.69 | 142.75 | 1.27 | 0.00 | 63.95 | 0.00 | 1.09 | 63.02 | 0.00 | 0.03 | 0.00 | 0.08 | 0.06 |
| WATR | 0.01 | 89.80 | 118.30 | 0.07 | 0.00 | 66.81 | 0.00 | 0.00 | 1,603.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

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Elevation report for the watershed 05 July 2025 10.57

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Statistics: All elevations reported in meters

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Minimum elevation: -2

Maximum elevation: 1194

Mean elevation: 235.14

Standard deviation: 142.86

Landuse/Soil/Slope Distribution 05 July 2025 10.57

Number of subbasins: 70

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Area [ha]

Watershed 226943.86

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Area [ha] %Watershed

Landuse

BARR 212441.61 93.61

SHRB 2986.79 1.32

RNGB 106.00 0.05

DWHT 5712.68 2.52

AGRL 4476.65 1.97

ORCD 119.60 0.05

URBN 1099.60 0.48

WATR 0.92 0.00

Soil

RockTub 87617.86 38.61

Rc34-3b-4033 444.95 0.20

I-Y-bc-3515 333.16 0.15

IYbc3515s 2.48 0.00

Je61-2a-3530 133877.90 58.99

Be73-2c-3673 2289.12 1.01

Lk5-3ab-3534 2378.38 1.05

Slope

0-8.0 181907.17 80.16

8.0-9999 45036.69 19.84

Landuse/Soil/Slope and HRU Distribution 05 July 2025 11.01

Using percentage of subbasin as a measure of size

Target number of HRUs option Target 1402

Number of HRUs: 1402

Number of subbasins: 70

Numbers in parentheses are corresponding values before HRU creation

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Area [ha]

Watershed 226943.86

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Area [ha] %Watershed

Landuse

BARR 212441.61 (212441.61) 93.61 (93.61)

SHRB 2986.79 (2986.79) 1.32 (1.32)

RNGB 106.00 (106.00) 0.05 (0.05)

DWHT 5712.68 (5712.68) 2.52 (2.52)

AGRL 4476.65 (4476.65) 1.97 (1.97)

ORCD 119.60 (119.60) 0.05 (0.05)

URBN 1099.60 (1099.60) 0.48 (0.48)

WATR 0.92 (0.92) 0.00 (0.00)

Soil

RockTub 87617.86 (87617.86) 38.61 (38.61)

Rc34-3b-4033 444.95 (444.95) 0.20 (0.20)

I-Y-bc-3515 333.16 (333.16) 0.15 (0.15)

IYbc3515s 2.48 (2.48) 0.00 (0.00)

Je61-2a-3530 133877.90 (133877.90) 58.99 (58.99)

Be73-2c-3673 2289.12 (2289.12) 1.01 (1.01)

Lk5-3ab-3534 2378.38 (2378.38) 1.05 (1.05)

Slope

0-8.0 181907.17 (181907.17) 80.16 (80.16)

8.0-9999 45036.69 (45036.69) 19.84 (19.84)

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