Al Mosaymer V3

A diagram 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 | 3.34 | 0.03 | 0.13 | 0.16 | 4.53 | 0.01 | 94.33 |
| 2 | 7.22 | 0.07 | 0.29 | 0.33 | 6.32 | 0.00 | 104.91 |
| 3 | 14.80 | 0.13 | 0.58 | 0.66 | 13.25 | 0.02 | 142.45 |
| 4 | 23.54 | 0.31 | 0.96 | 1.11 | 20.73 | 0.04 | 152.29 |
| 5 | 5.74 | 0.06 | 0.44 | 0.48 | 10.42 | 0.01 | 141.46 |
| 6 | 29.87 | 0.85 | 1.06 | 1.50 | 16.98 | 0.09 | 131.20 |
| 7 | 39.10 | 1.51 | 1.99 | 2.83 | 27.60 | 0.17 | 151.78 |
| 8 | 28.66 | 1.49 | 1.78 | 2.66 | 24.05 | 0.11 | 132.65 |
| 9 | 8.44 | 0.23 | 0.74 | 0.88 | 14.67 | 0.01 | 113.71 |
| 10 | 2.06 | 0.02 | 0.23 | 0.26 | 9.46 | 0.00 | 128.36 |
| 11 | 2.40 | 0.04 | 0.13 | 0.16 | 6.12 | 0.00 | 114.94 |
| 12 | 0.50 | 0.02 | 0.06 | 0.08 | 3.86 | 0.00 | 98.44 |

Close

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** | **IRR mm** | **PREC mm** | **SURQ mm** | **GWQ mm** | **ET mm** | **SED th** | **BIOM th** | **YLD th** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| BARR | 594.97 | 91.77 | 0.00 | 157.86 | 9.31 | 6.55 | 143.16 | 0.87 | 0.00 | 0.00 |
| BERM | 0.21 | 85.86 | 0.00 | 143.33 | 13.65 | 2.38 | 128.06 | 0.70 | 1.50 | 1.07 |
| DWHT | 21.35 | 83.63 | 0.00 | 177.55 | 0.25 | 1.21 | 176.68 | 0.01 | 0.97 | 0.19 |
| ONIO | 19.93 | 70.00 | 133.34 | 176.92 | 0.01 | 2.69 | 307.72 | 0.00 | 8.88 | 3.71 |
| ORCD | 3.99 | 66.72 | 808.31 | 165.36 | 0.00 | 13.96 | 959.88 | 0.00 | 14.27 | 0.00 |
| RNGB | 149.36 | 79.66 | 0.00 | 185.70 | 0.23 | 13.16 | 170.58 | 0.15 | 0.31 | 0.22 |
| SHRB | 390.27 | 79.31 | 0.00 | 168.86 | 0.07 | 10.15 | 158.94 | 0.01 | 0.50 | 0.35 |
| WATR | 0.03 | 90.00 | 0.00 | 155.29 | 0.00 | 0.00 | 1,647.35 | 0.00 | 0.00 | 0.00 |

------------------------------------------------------------------------------

Elevation report for the watershed 25 June 2025 14.37

------------------------------------------------------------------------------

Statistics: All elevations reported in meters

-----------

Minimum elevation: 371

Maximum elevation: 2222

Mean elevation: 888.37

Standard deviation: 274.38

Landuse/Soil/Slope Distribution 25 June 2025 14.37

Number of subbasins: 18

---------------------------------------------------------------------------

Area [ha]

Watershed 117984.07

---------------------------------------------------------------------------

Area [ha] %Watershed

Landuse

RNGB 14936.45 12.66

SHRB 39004.63 33.06

BARR 59491.87 50.42

AGRL 1992.64 1.69

ORCD 399.08 0.34

DWHT 2135.77 1.81

URBN 20.59 0.02

WATR 3.03 0.00

Soil

I-Y-bc-3515 25828.33 21.89

IYbc3515s 11671.93 9.89

Rc34-3b-4033 16544.99 14.02

RockTub 58650.78 49.71

Be73-2c-3673 3077.16 2.61

Lk5-3ab-3534 697.95 0.59

Je61-2a-3530 1134.81 0.96

Vp39-3b-3563 62.97 0.05

IYbc3515st 172.56 0.15

IYbc3515t 115.10 0.10

Rc301ab3546t 10.66 0.01

WATER-1972 1.93 0.00

Be732c3673t 14.89 0.01

Slope

0-10.0 26588.24 22.54

10.0-9999 91395.83 77.46

Landuse/Soil/Slope and HRU Distribution 25 June 2025 14.37

Using percentage of subbasin as a measure of size

Target number of HRUs option Target 1110

Number of HRUs: 1110

Number of subbasins: 18

Numbers in parentheses are corresponding values before HRU creation

---------------------------------------------------------------------------------------------------------

Area [ha]

Watershed 117984.07

---------------------------------------------------------------------------------------------------------

Area [ha] %Watershed

Landuse

RNGB 14936.45 (14936.45) 12.66 (12.66)

SHRB 39004.63 (39004.63) 33.06 (33.06)

BARR 59491.87 (59491.87) 50.42 (50.42)

AGRL 1992.64 (1992.64) 1.69 (1.69)

ORCD 399.08 (399.08) 0.34 (0.34)

DWHT 2135.77 (2135.77) 1.81 (1.81)

URBN 20.59 (20.59) 0.02 (0.02)

WATR 3.03 (3.03) 0.00 (0.00)

Soil

I-Y-bc-3515 25828.33 (25828.33) 21.89 (21.89)

IYbc3515s 11671.93 (11671.93) 9.89 (9.89)

Rc34-3b-4033 16544.99 (16544.99) 14.02 (14.02)

RockTub 58650.78 (58650.78) 49.71 (49.71)

Be73-2c-3673 3077.16 (3077.16) 2.61 (2.61)

Lk5-3ab-3534 697.95 (697.95) 0.59 (0.59)

Je61-2a-3530 1134.81 (1134.81) 0.96 (0.96)

Vp39-3b-3563 62.97 (62.97) 0.05 (0.05)

IYbc3515st 172.56 (172.56) 0.15 (0.15)

IYbc3515t 115.10 (115.10) 0.10 (0.10)

Rc301ab3546t 10.66 (10.66) 0.01 (0.01)

WATER-1972 1.93 (1.93) 0.00 (0.00)

Be732c3673t 14.89 (14.89) 0.01 (0.01)

Slope

0-10.0 26588.24 (26588.24) 22.54 (22.54)

10.0-9999 91395.83 (91395.83) 77.46 (77.46)

---------------------------------------------------------------------------------------------------------