Al-Selw summary

Diagram of a tree with water flowing through it

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 | 15.93 | 0.18 | 0.99 | 1.77 | 18.53 | 0.19 | 97.95 |
| 2 | 24.36 | 0.14 | 1.02 | 1.55 | 22.60 | 0.06 | 114.11 |
| 3 | 65.81 | 1.89 | 3.42 | 5.27 | 57.30 | 1.77 | 156.06 |
| 4 | 88.97 | 2.15 | 5.09 | 7.99 | 79.52 | 1.72 | 163.02 |
| 5 | 50.72 | 0.19 | 3.20 | 5.13 | 62.78 | 0.08 | 132.04 |
| 6 | 36.53 | 0.10 | 1.39 | 2.34 | 39.04 | 0.03 | 133.81 |
| 7 | 79.16 | 0.41 | 3.34 | 4.00 | 58.92 | 0.12 | 164.29 |
| 8 | 114.32 | 2.17 | 7.18 | 9.52 | 75.67 | 0.87 | 132.82 |
| 9 | 72.62 | 3.91 | 7.97 | 14.44 | 53.75 | 3.05 | 106.10 |
| 10 | 29.84 | 0.42 | 3.04 | 7.60 | 39.33 | 0.31 | 131.16 |
| 11 | 18.21 | 0.02 | 1.15 | 3.33 | 25.07 | 0.00 | 123.05 |
| 12 | 23.84 | 0.34 | 1.23 | 2.38 | 21.91 | 0.33 | 102.52 |

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 | 11.15 | 89.03 | 105.64 | 5.16 | 0.00 | 620.25 | 124.34 | 20.28 | 466.36 | 41.24 | 0.54 | 2.61 | 0.00 | 0.00 |
| BERM | 1.07 | 77.54 | 109.12 | 2.16 | 0.00 | 620.85 | 77.06 | 9.08 | 531.59 | 0.93 | 4.30 | 4.14 | 15.10 | 10.68 |
| DWHT | 65.62 | 77.44 | 129.92 | 1.93 | 0.00 | 620.80 | 14.42 | 11.92 | 573.74 | 1.24 | 0.51 | 1.93 | 7.53 | 2.02 |
| ONIO | 72.08 | 70.00 | 123.33 | 2.36 | 55.87 | 620.75 | 4.58 | 16.51 | 623.51 | 0.57 | 0.52 | 0.93 | 8.73 | 3.58 |
| ORCD | 16.78 | 70.00 | 118.39 | 3.16 | 524.94 | 620.44 | 0.60 | 33.71 | 1,105.12 | 0.00 | 0.02 | 0.00 | 15.80 | 0.00 |
| RNGB | 200.38 | 77.02 | 53.10 | 10.74 | 0.00 | 620.57 | 11.51 | 87.52 | 494.25 | 17.54 | 0.03 | 3.51 | 0.52 | 0.36 |
| SHRB | 330.36 | 77.25 | 105.64 | 7.64 | 0.00 | 620.42 | 9.86 | 51.30 | 547.46 | 5.61 | 0.04 | 2.54 | 1.44 | 1.00 |
| WATR | 0.01 | 83.20 | 91.16 | 0.07 | 0.00 | 620.85 | 0.00 | 0.00 | 1,592.67 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| WETL | 0.00 | 70.00 | 118.00 | 1.89 | 0.00 | 620.85 | 3.26 | 8.25 | 580.98 | 0.22 | 0.03 | 0.53 | 1.74 | 1.23 |

Elevation

Statistics: All elevations reported in meters

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Minimum elevation: 975

Maximum elevation: 2653

Mean elevation: 1552.22

Standard deviation: 286.18

Landuse/Soil/Slope Distribution 23 June 2025 13.20

Number of subbasins: 18

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Area [ha]

Watershed 69751.81

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Area [ha] %Watershed

Landuse

BARR 1114.96 1.60

RNGB 20031.16 28.72

SHRB 33047.04 47.38

AGRL 7206.95 10.33

ORCD 1678.59 2.41

DWHT 6565.08 9.41

URBN 107.01 0.15

WATR 0.92 0.00

WETL 0.09 0.00

Soil

RockTub 1113.49 1.60

IYbc3515s 16532.30 23.70

I-Y-bc-3515 36000.37 51.61

Be73-2c-3673 13446.87 19.28

IYbc3515t 1411.44 2.02

Rc34-3b-4033 440.91 0.63

IYbc3515st 304.94 0.44

Vp39-3b-3563 82.46 0.12

Lk5-3ab-3534 321.30 0.46

Be732c3673t 76.49 0.11

Rc301ab3546t 21.24 0.03

Slope

0-8.0 8431.40 12.09

8.0-9999 61320.41 87.91

HRUs

Using percentage of subbasin as a measure of size

Target number of HRUs option Target 1210

Number of HRUs: 1210

Number of subbasins: 18

Numbers in parentheses are corresponding values before HRU creation

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Area [ha]

Watershed 69751.81

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Area [ha] %Watershed

Landuse

BARR 1114.96 (1114.96) 1.60 (1.60)

RNGB 20031.16 (20031.16) 28.72 (28.72)

SHRB 33047.04 (33047.04) 47.38 (47.38)

AGRL 7206.95 (7206.95) 10.33 (10.33)

ORCD 1678.59 (1678.59) 2.41 (2.41)

DWHT 6565.08 (6565.08) 9.41 (9.41)

URBN 107.01 (107.01) 0.15 (0.15)

WATR 0.92 (0.92) 0.00 (0.00)

WETL 0.09 (0.09) 0.00 (0.00)

Soil

RockTub 1113.49 (1113.49) 1.60 (1.60)

IYbc3515s 16532.30 (16532.30) 23.70 (23.70)

I-Y-bc-3515 36000.37 (36000.37) 51.61 (51.61)

Be73-2c-3673 13446.87 (13446.87) 19.28 (19.28)

IYbc3515t 1411.44 (1411.44) 2.02 (2.02)

Rc34-3b-4033 440.91 (440.91) 0.63 (0.63)

IYbc3515st 304.94 (304.94) 0.44 (0.44)

Vp39-3b-3563 82.46 (82.46) 0.12 (0.12)

Lk5-3ab-3534 321.30 (321.30) 0.46 (0.46)

Be732c3673t 76.49 (76.49) 0.11 (0.11)

Rc301ab3546t 21.24 (21.24) 0.03 (0.03)

Slope

0-8.0 8431.40 (8431.40) 12.09 (12.09)

8.0-9999 61320.41 (61320.41) 87.91 (87.91)

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