

ZLW-Mining data insights

02.09.2025

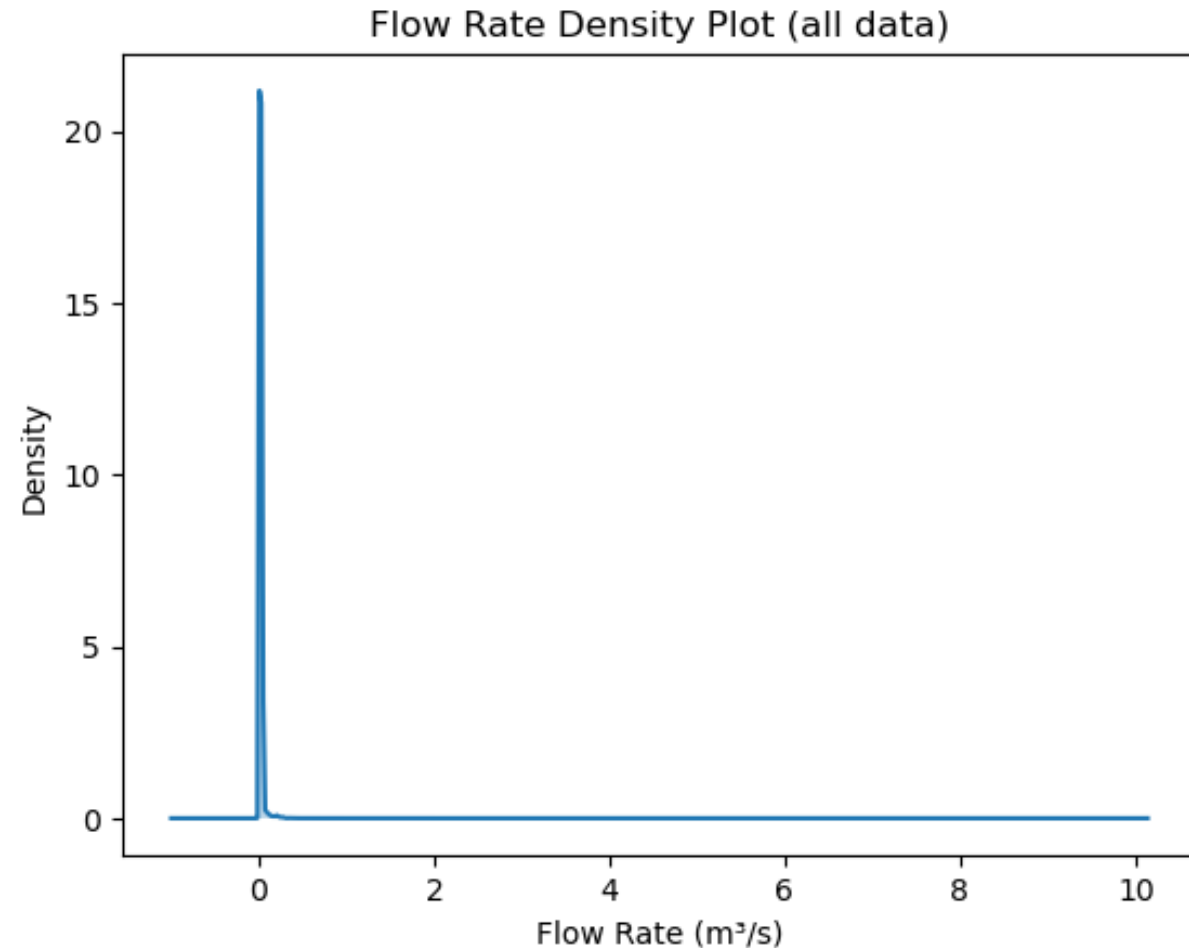
All dataset

	Water_level	Flow_rate
2011-08-01 00:15:00	14.9	0.01
2011-08-01 00:30:00	14.9	0.01
2011-08-01 00:45:00	14.9	0.01
2011-08-01 01:00:00	14.9	0.01
2011-08-01 01:15:00	14.9	0.01
...
2023-08-31 23:00:00	20.7	0.05
2023-08-31 23:15:00	20.6	0.05
2023-08-31 23:30:00	20.6	0.05
2023-08-31 23:45:00	20.6	0.05
NaT	20.5	0.05

423744 rows × 2 columns

- count 423744.000000
- mean 0.023140
- std 0.082193
- min 0.000000
- 25% 0.010000
- 50% 0.020000
- 75% 0.020000
- max 9.140000

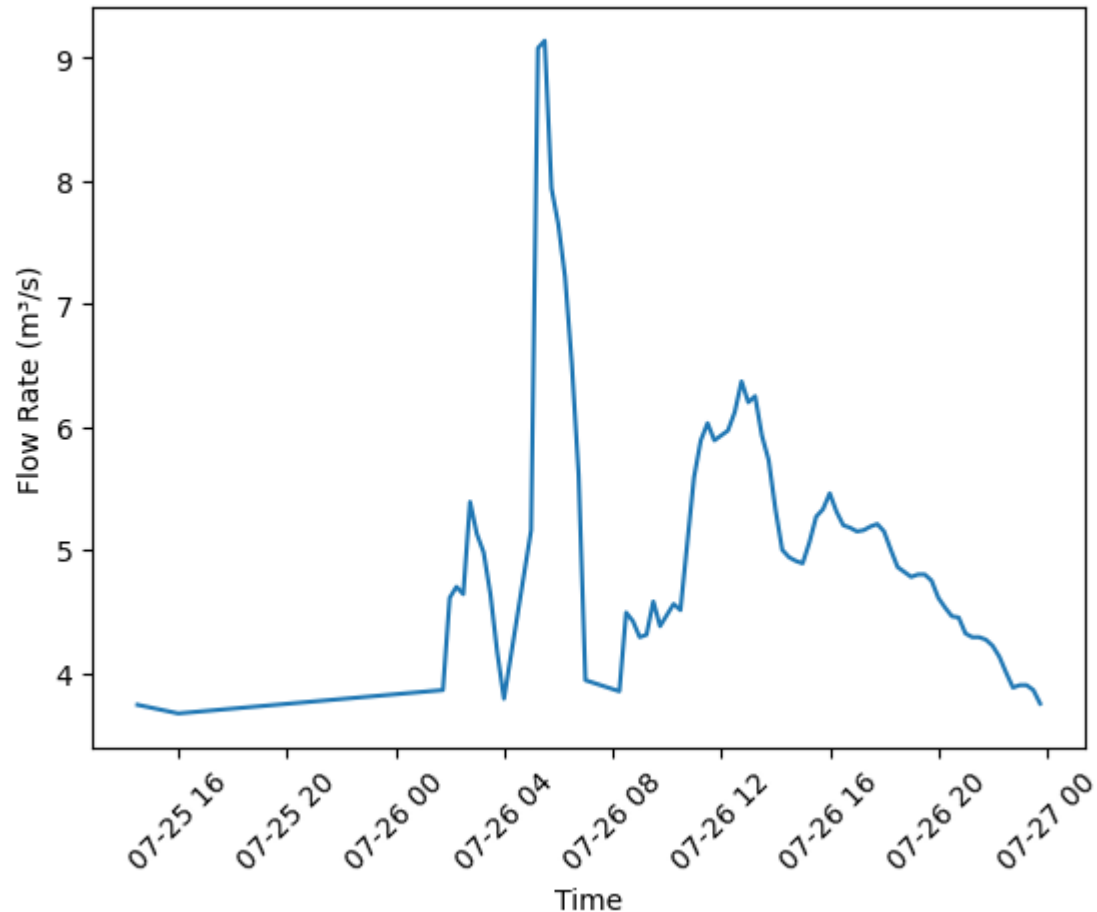
Name: Flow_rate, dtype: float64



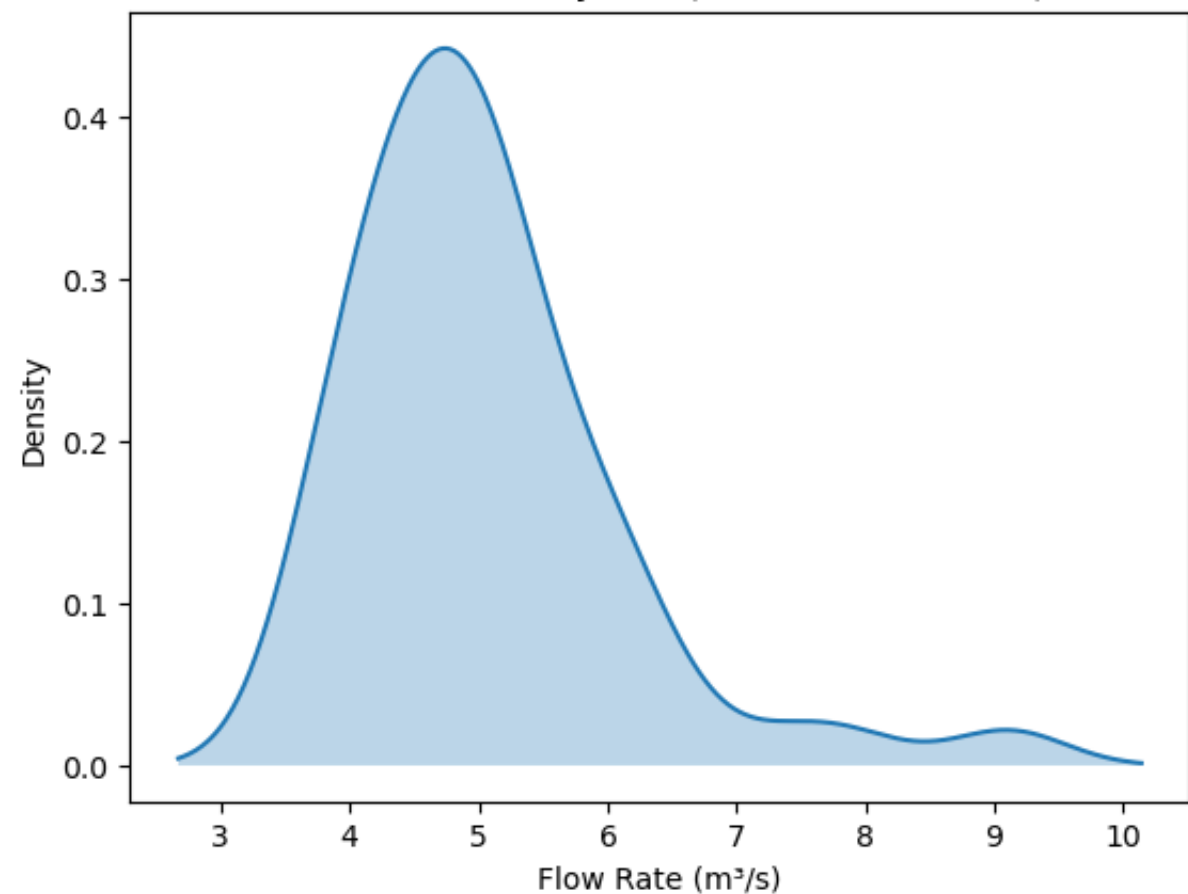
Flood event (threshold = 3 m³)

- Volume (m³): 382311.0
- Required size of cubic storage (m): 72.58

Flow Rate (threshold = 3 m³/s)

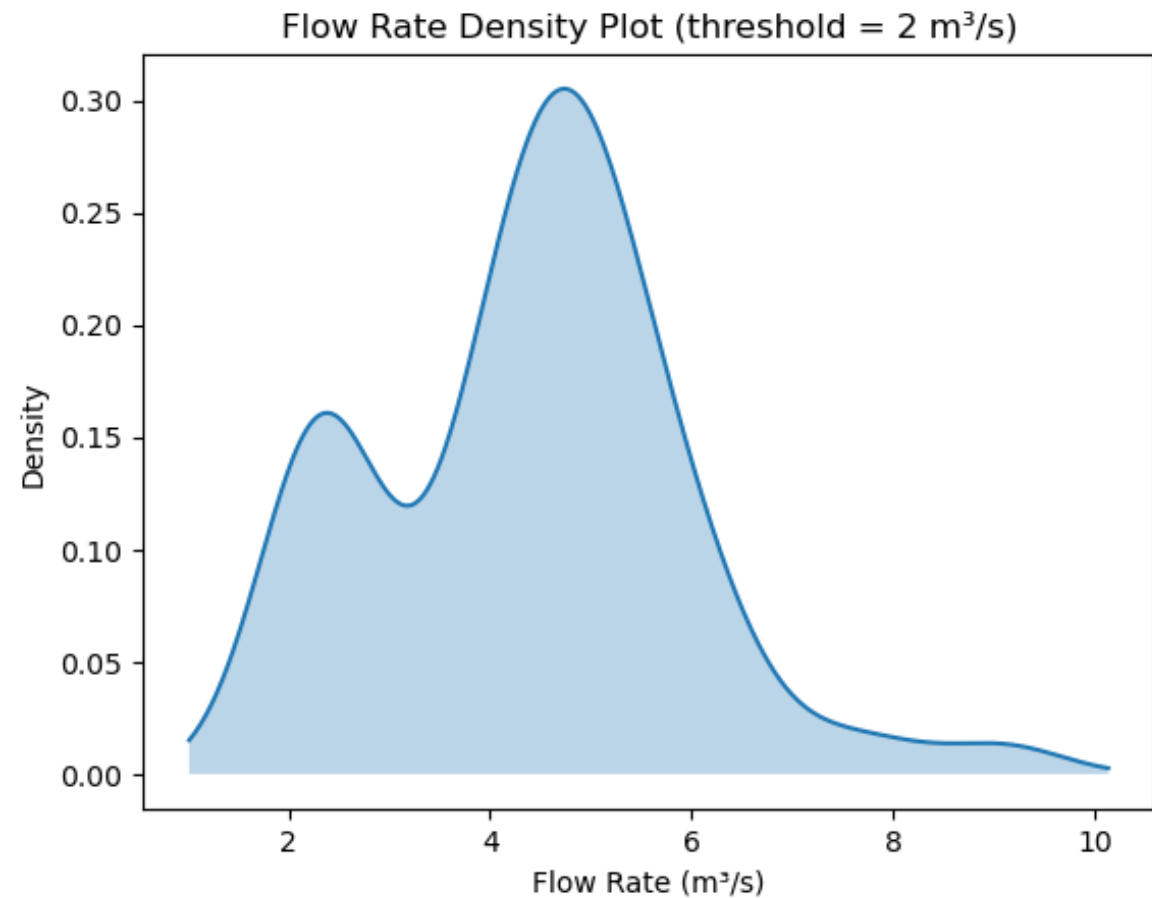
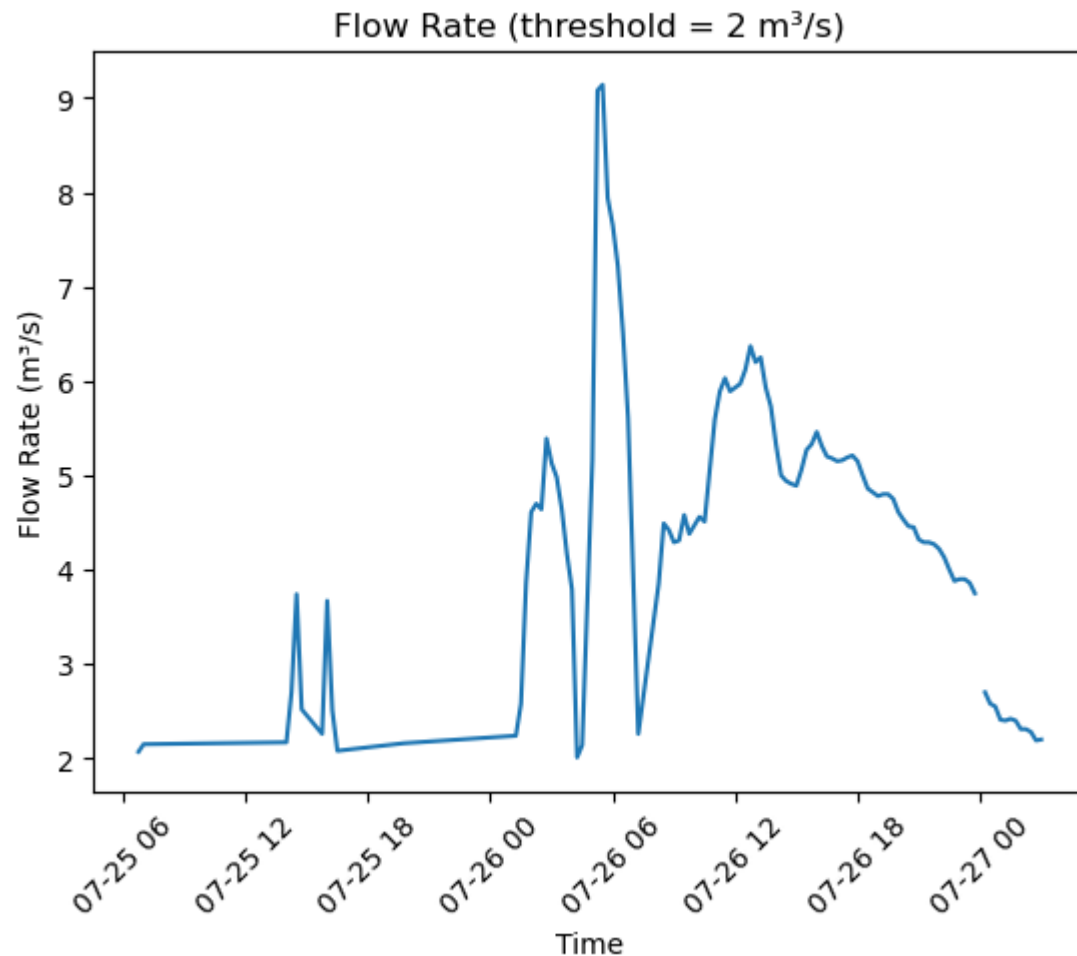


Flow Rate Density Plot (threshold = 3 m³/s)



Flood event (threshold = 2 m³)

- Volume (m³): 439227.0
- Required size of cubic storage (m): 76.01



Required Storage Volume Over Time

- Volume (m^3): 146781.0
- Required size of cubic storage (m): 52.75

