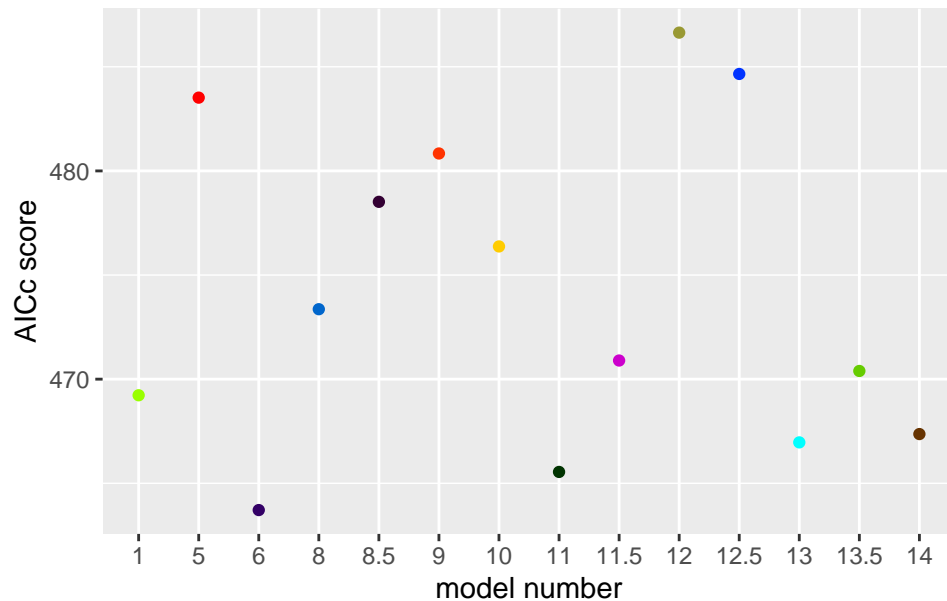
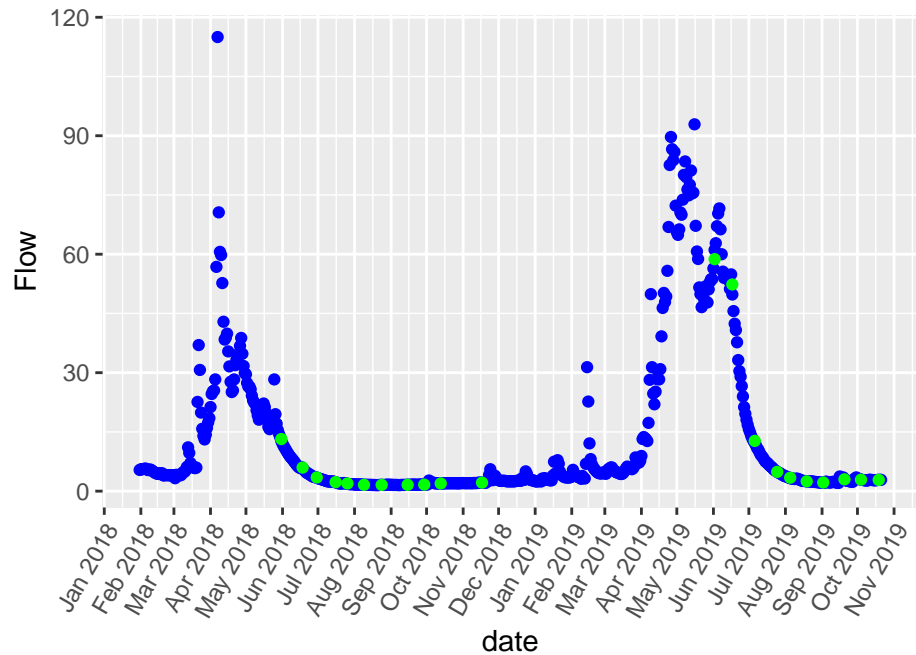


# Covariate Discharge with a lag of 0 weeks



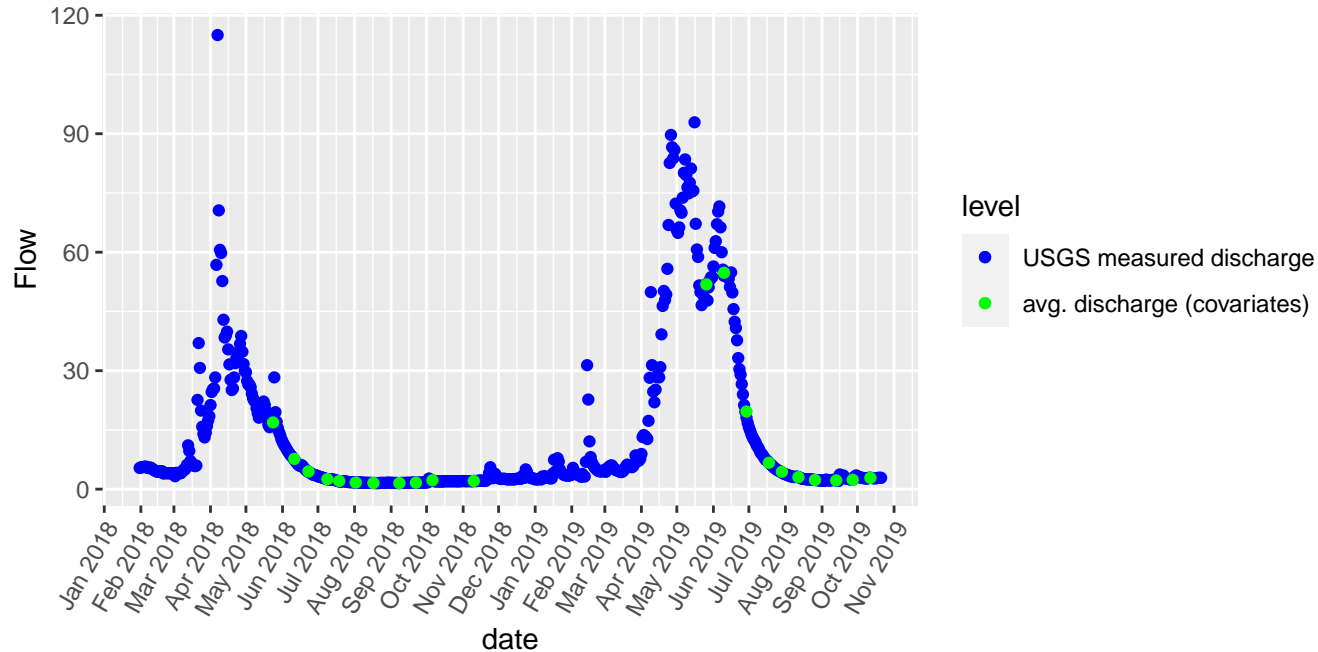
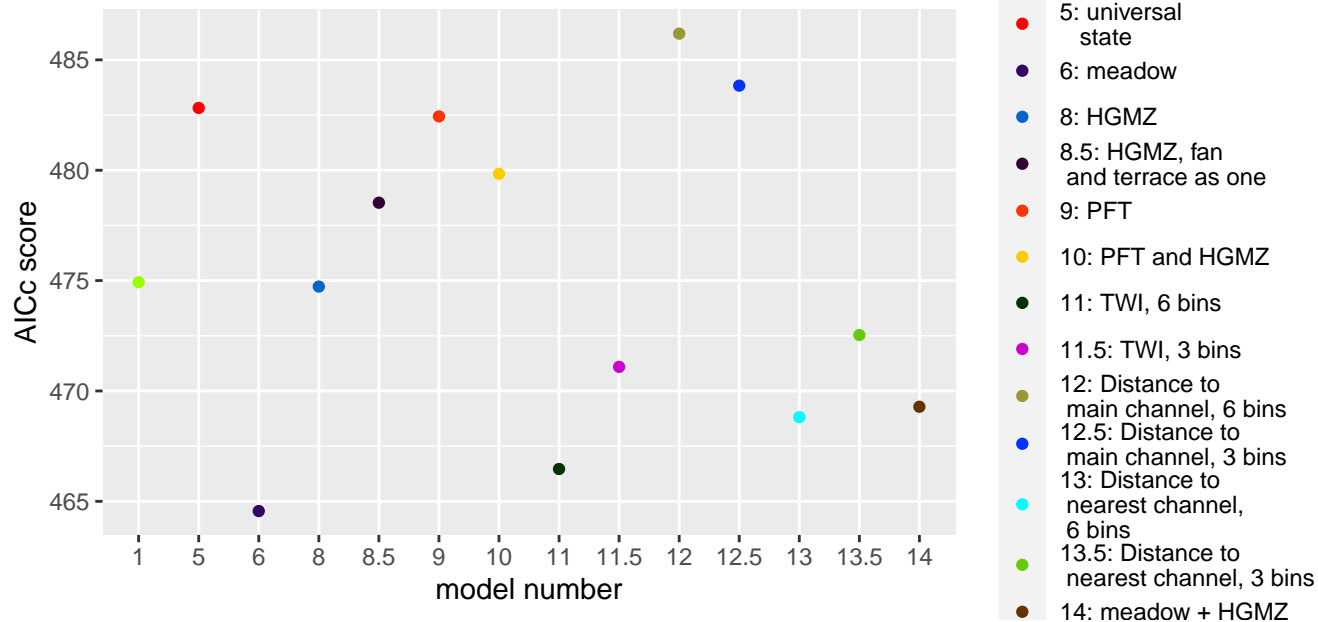
- 1: individual well
- 5: universal state
- 6: meadow
- 8: HGMZ
- 8.5: HGMZ, fan and terrace as one
- 9: PFT
- 10: PFT and HGMZ
- 11: TWI, 6 bins
- 11.5: TWI, 3 bins
- 12: Distance to main channel, 6 bins
- 12.5: Distance to main channel, 3 bins
- 13: Distance to nearest channel, 6 bins
- 13.5: Distance to nearest channel, 3 bins
- 14: meadow + HGMZ



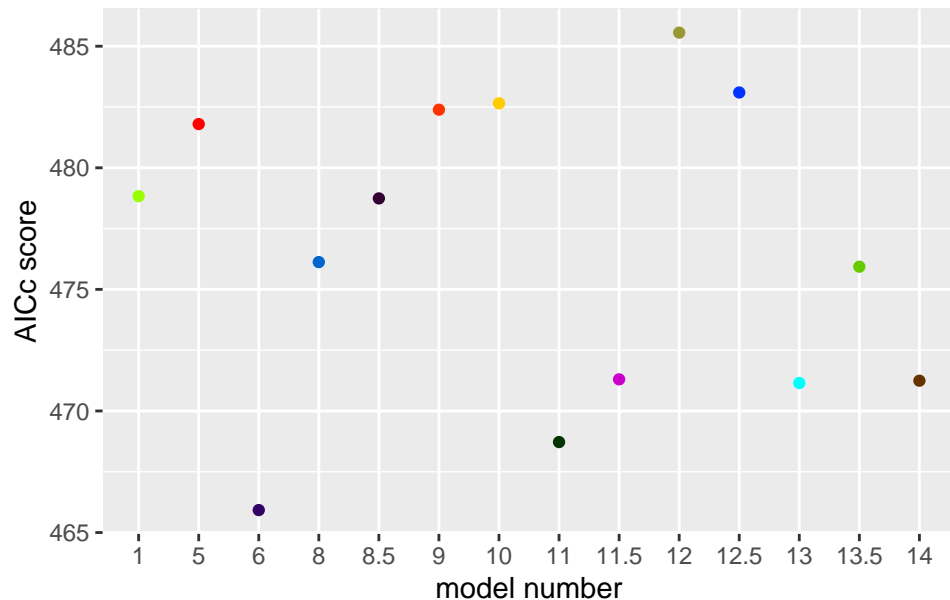
level

- USGS measured discharge
- avg. discharge (covariates)

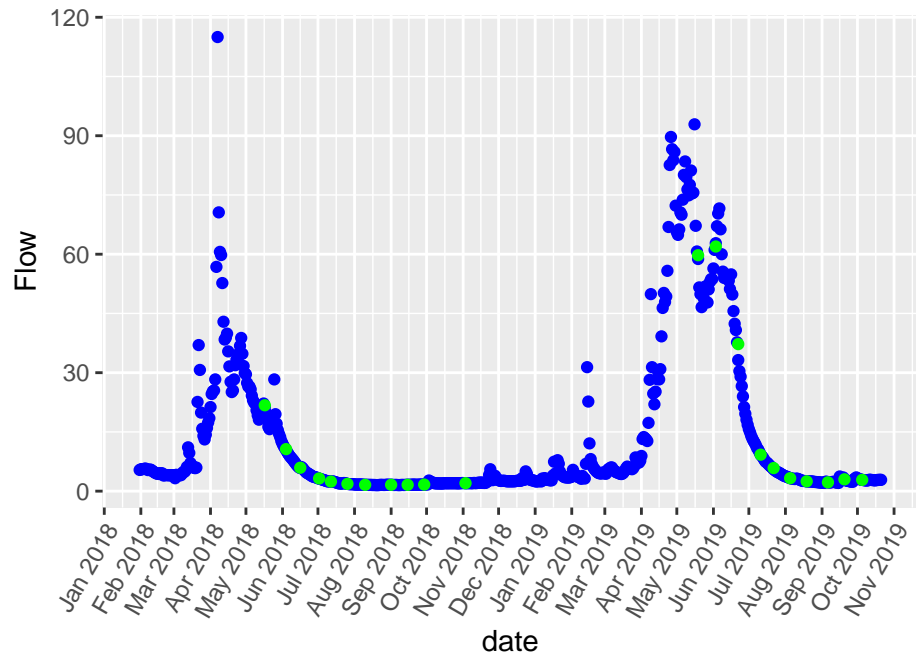
# Covariate Discharge with a lag of 1 weeks



# Covariate Discharge with a lag of 2 weeks



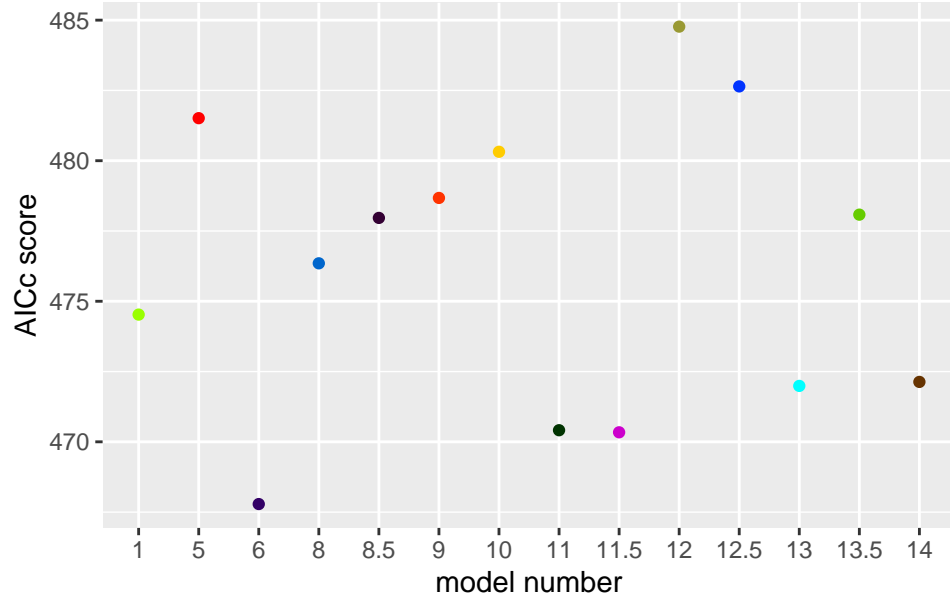
- 1: individual well
- 5: universal state
- 6: meadow
- 8: HGMZ
- 8.5: HGMZ, fan and terrace as one
- 9: PFT
- 10: PFT and HGMZ
- 11: TWI, 6 bins
- 11.5: TWI, 3 bins
- 12: Distance to main channel, 6 bins
- 12.5: Distance to main channel, 3 bins
- 13: Distance to nearest channel, 6 bins
- 13.5: Distance to nearest channel, 3 bins
- 14: meadow + HGMZ



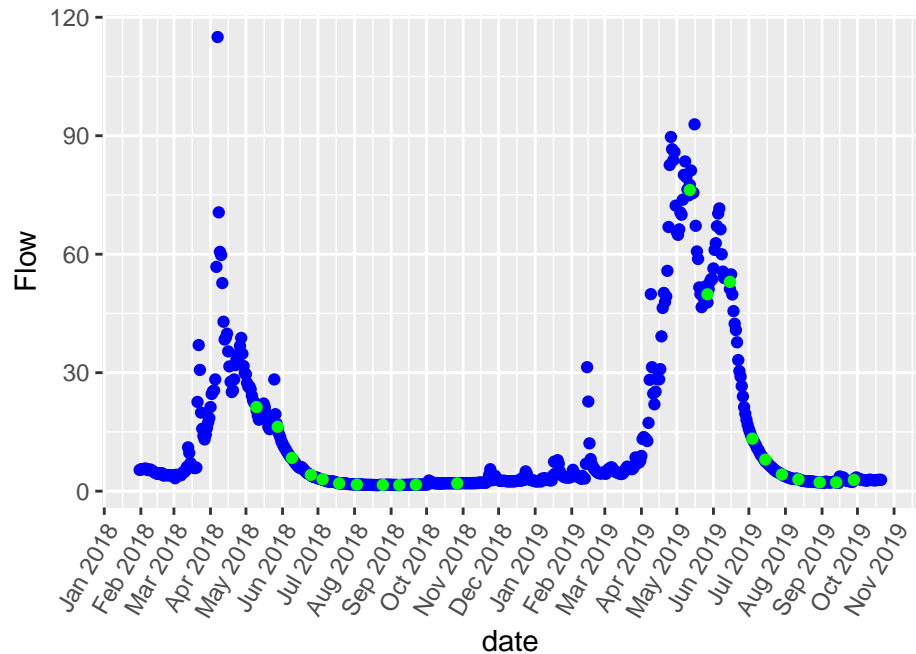
level

- USGS measured discharge
- avg. discharge (covariates)

# Covariate Discharge with a lag of 3 weeks



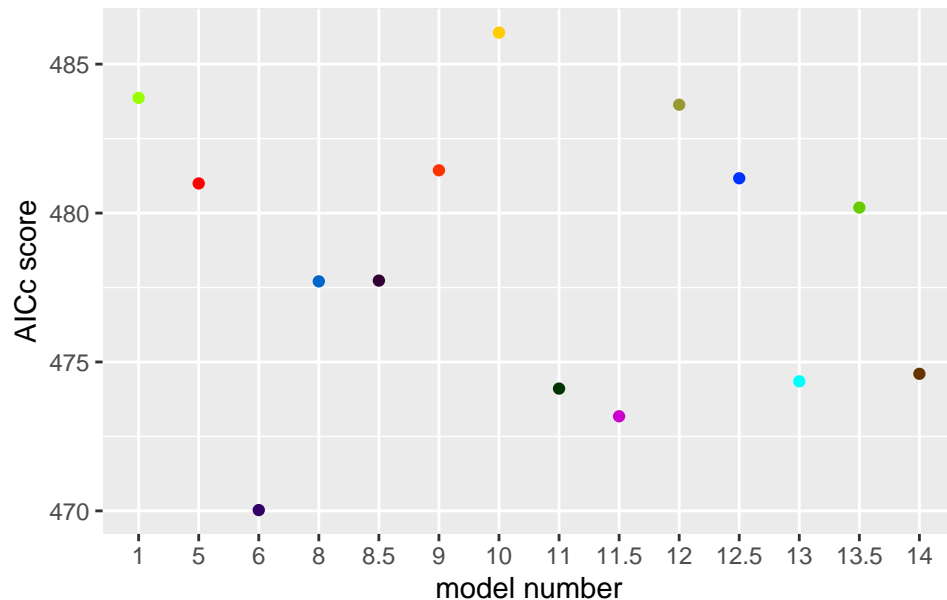
- 1: individual well
- 5: universal state
- 6: meadow
- 8: HGMZ
- 8.5: HGMZ, fan and terrace as one
- 9: PFT
- 10: PFT and HGMZ
- 11: TWI, 6 bins
- 11.5: TWI, 3 bins
- 12: Distance to main channel, 6 bins
- 12.5: Distance to main channel, 3 bins
- 13: Distance to nearest channel, 6 bins
- 13.5: Distance to nearest channel, 3 bins
- 14: meadow + HGMZ



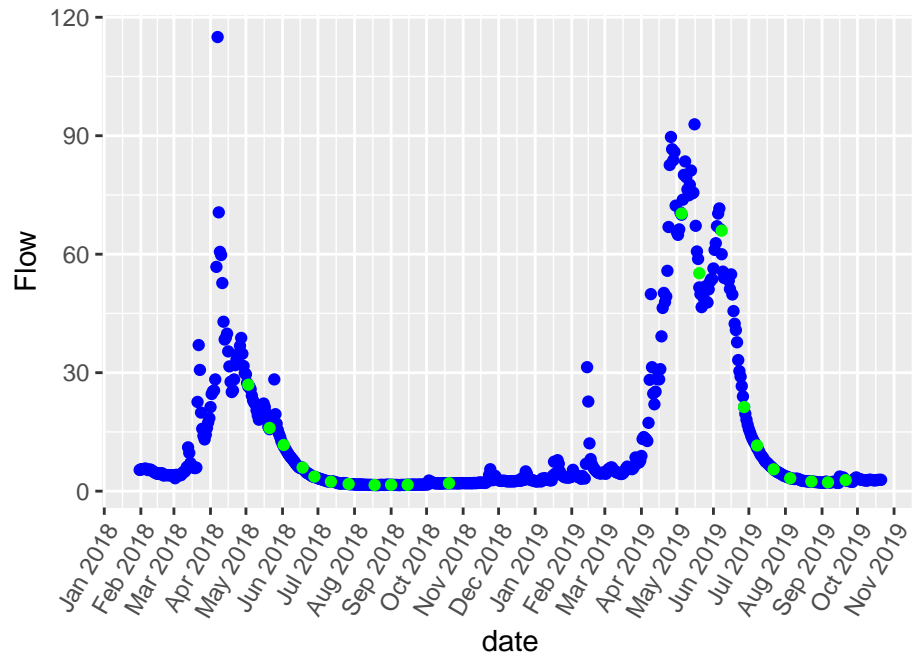
level

- USGS measured discharge
- avg. discharge (covariates)

# Covariate Discharge with a lag of 4 weeks



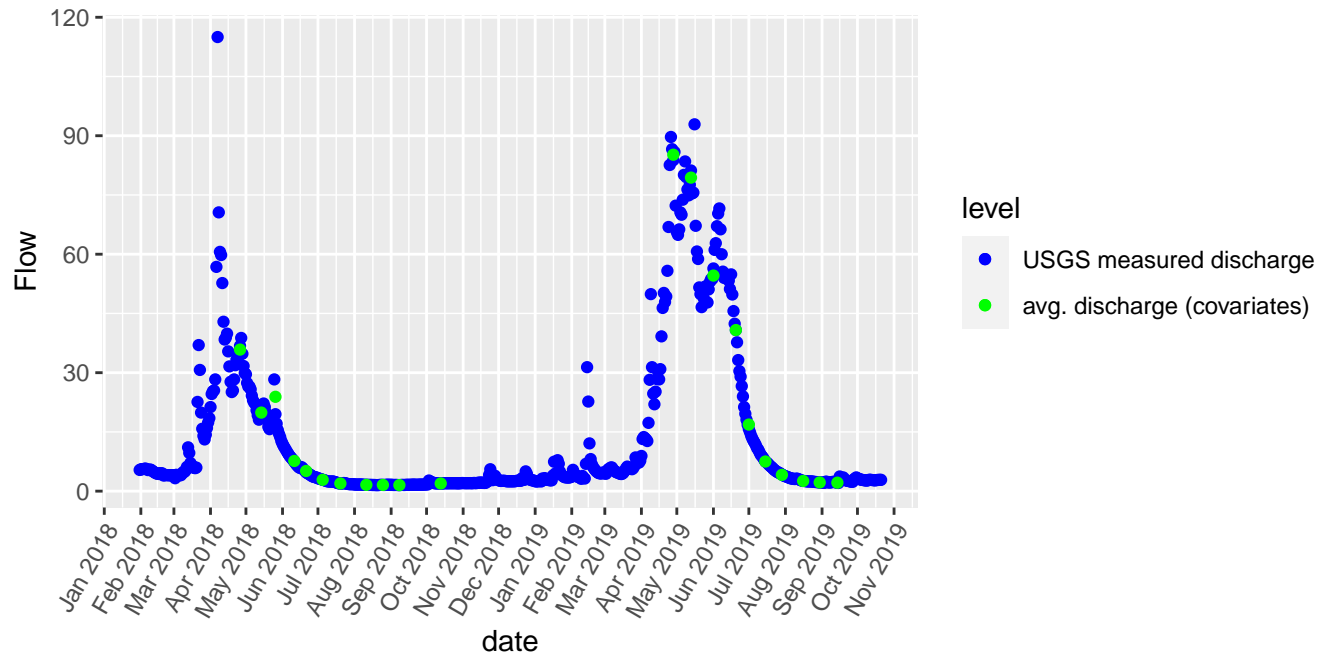
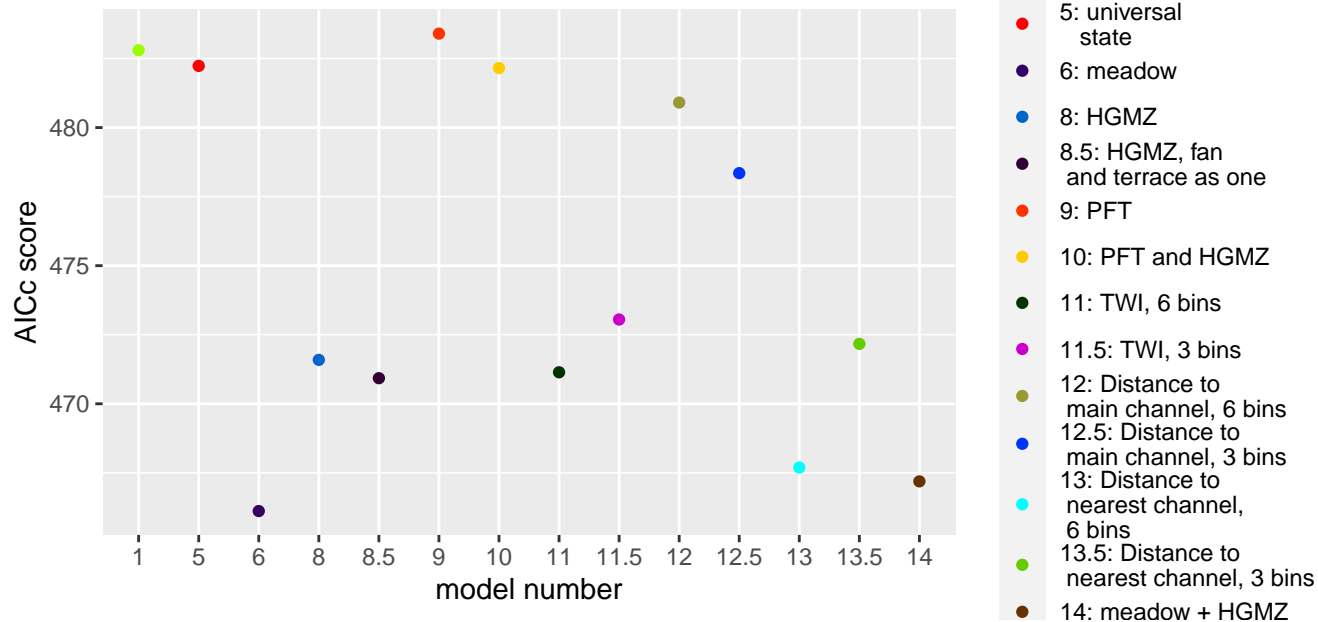
- 1: individual well
- 5: universal state
- 6: meadow
- 8: HGMZ
- 8.5: HGMZ, fan and terrace as one
- 9: PFT
- 10: PFT and HGMZ
- 11: TWI, 6 bins
- 11.5: TWI, 3 bins
- 12: Distance to main channel, 6 bins
- 12.5: Distance to main channel, 3 bins
- 13: Distance to nearest channel, 6 bins
- 13.5: Distance to nearest channel, 3 bins
- 14: meadow + HGMZ



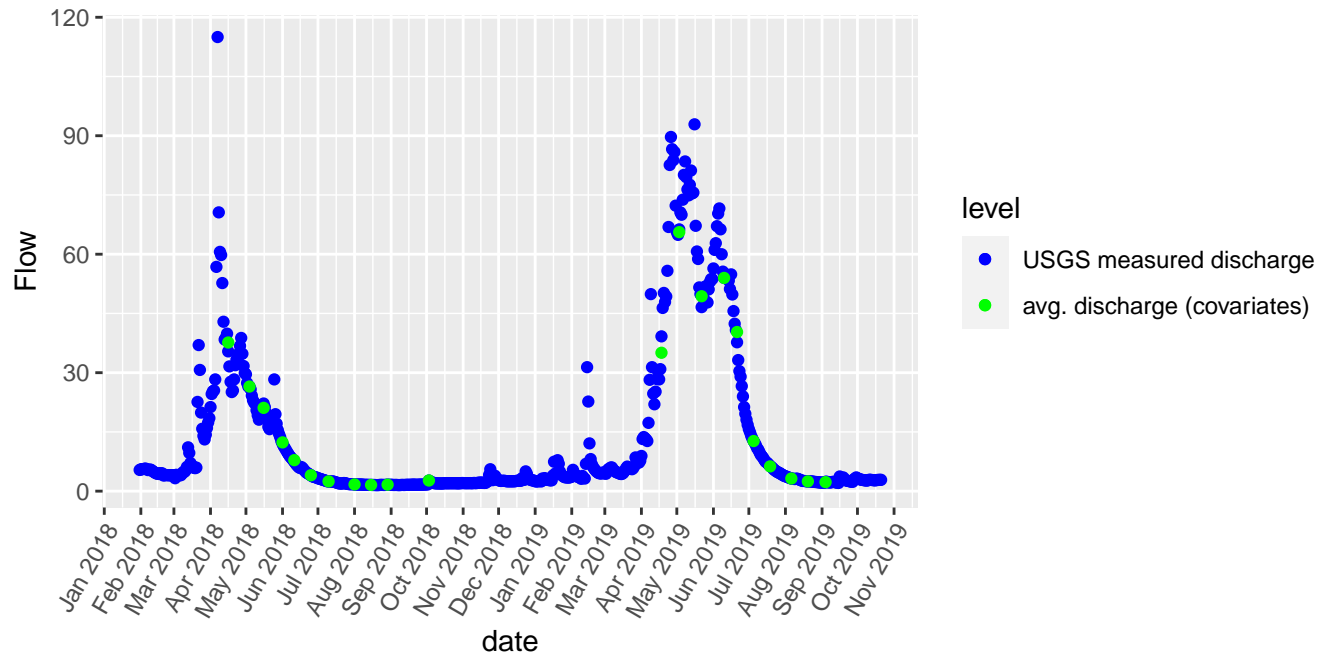
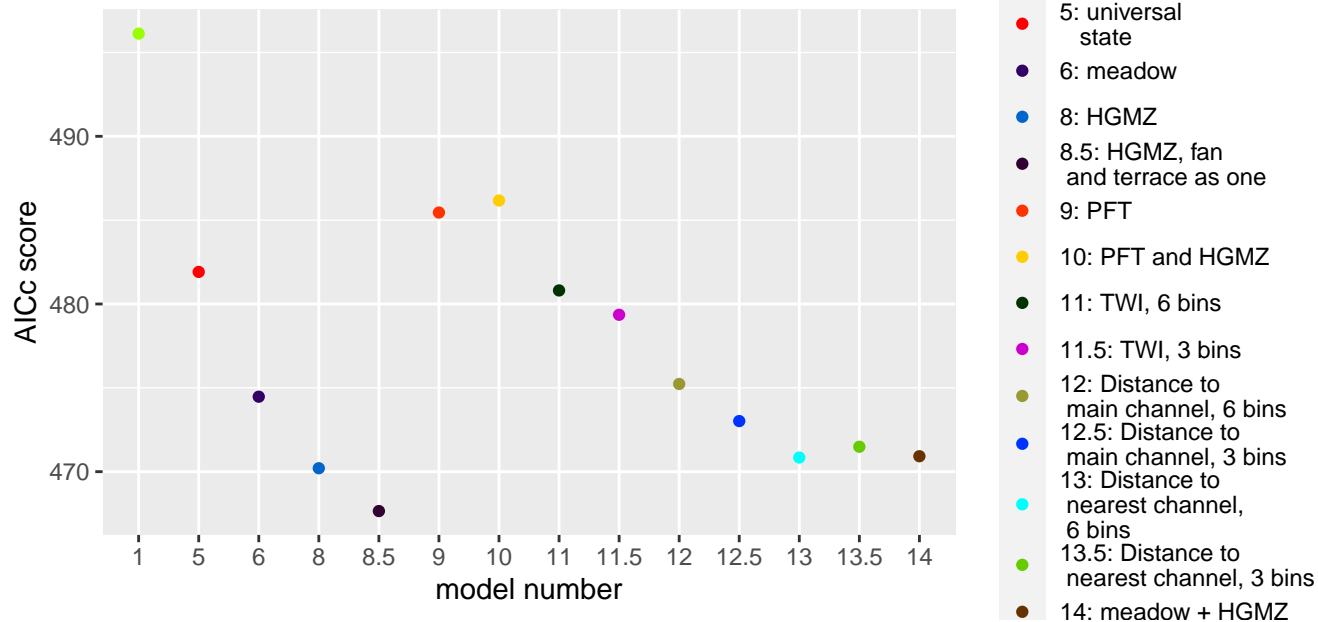
level

- USGS measured discharge
- avg. discharge (covariates)

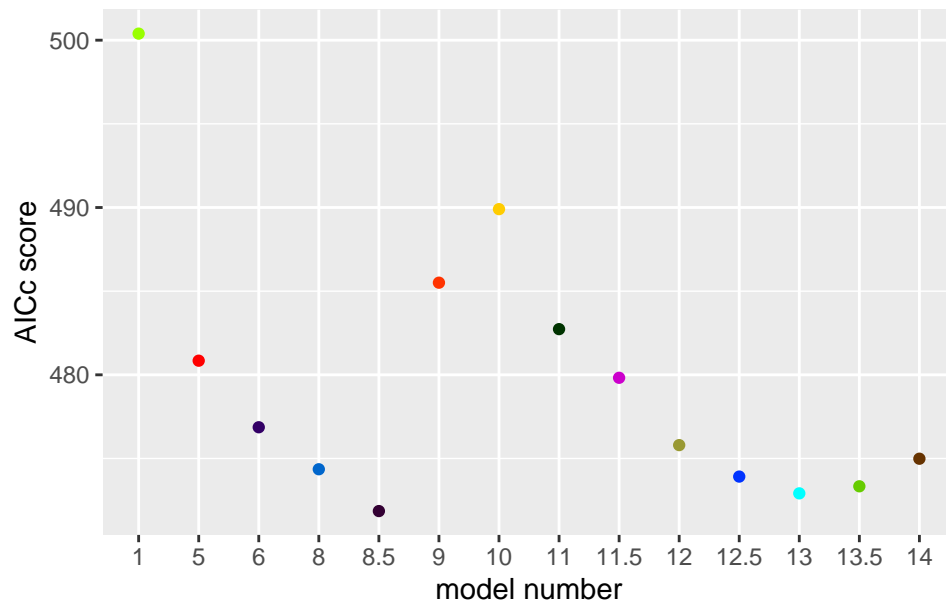
# Covariate Discharge with a lag of 5 weeks



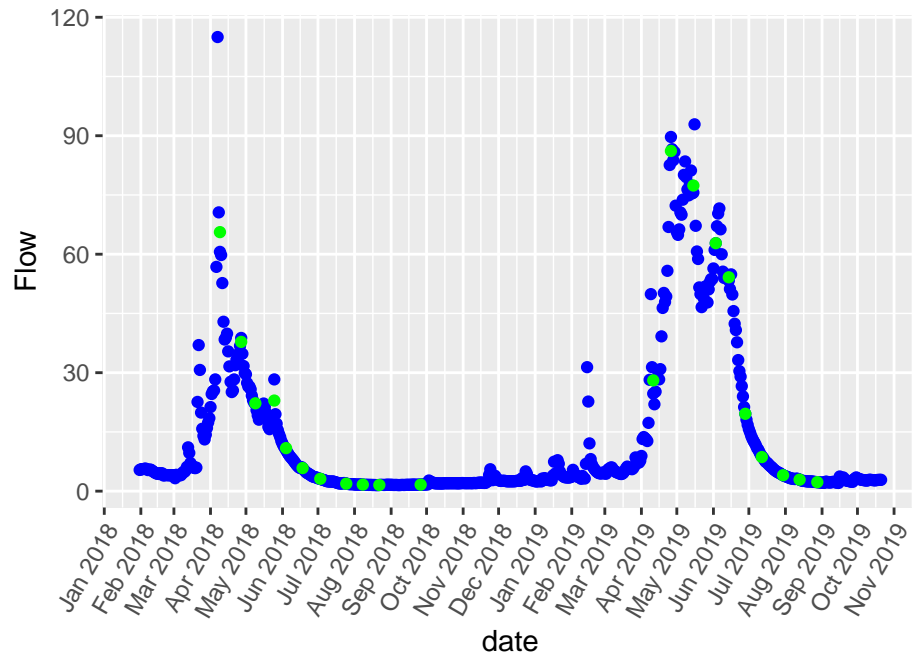
# Covariate Discharge with a lag of 6 weeks



# Covariate Discharge with a lag of 7 weeks



- 1: individual well
- 5: universal state
- 6: meadow
- 8: HGMZ
- 8.5: HGMZ, fan and terrace as one
- 9: PFT
- 10: PFT and HGMZ
- 11: TWI, 6 bins
- 11.5: TWI, 3 bins
- 12: Distance to main channel, 6 bins
- 12.5: Distance to main channel, 3 bins
- 13: Distance to nearest channel, 6 bins
- 13.5: Distance to nearest channel, 3 bins
- 14: meadow + HGMZ

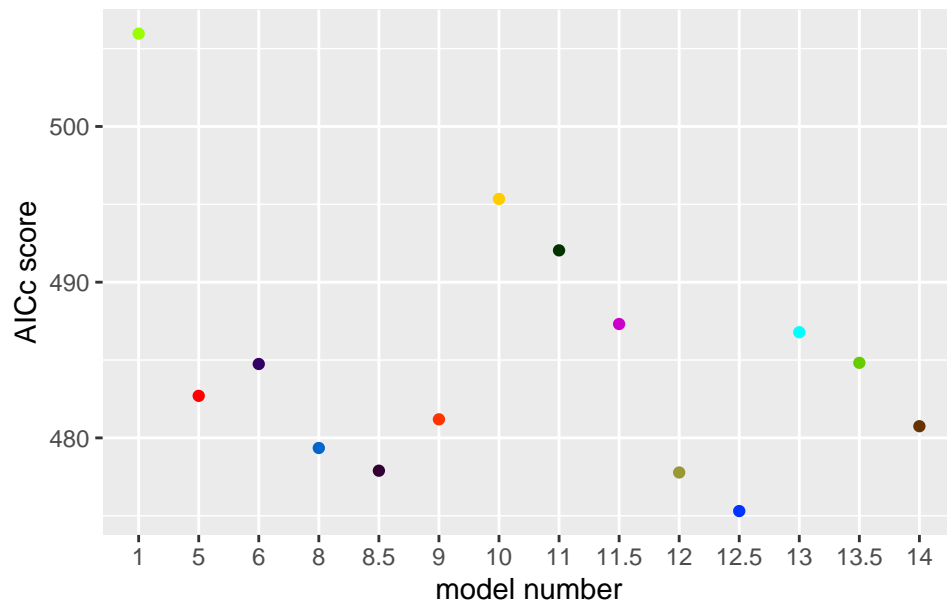


level

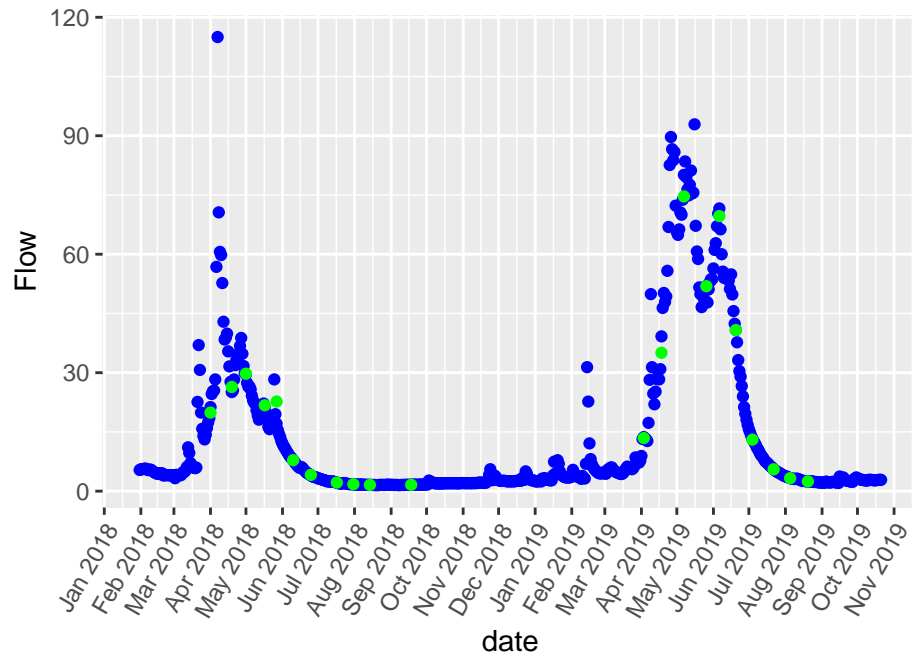
- USGS measured discharge
- avg. discharge (covariates)



# Covariate Discharge with a lag of 8 weeks



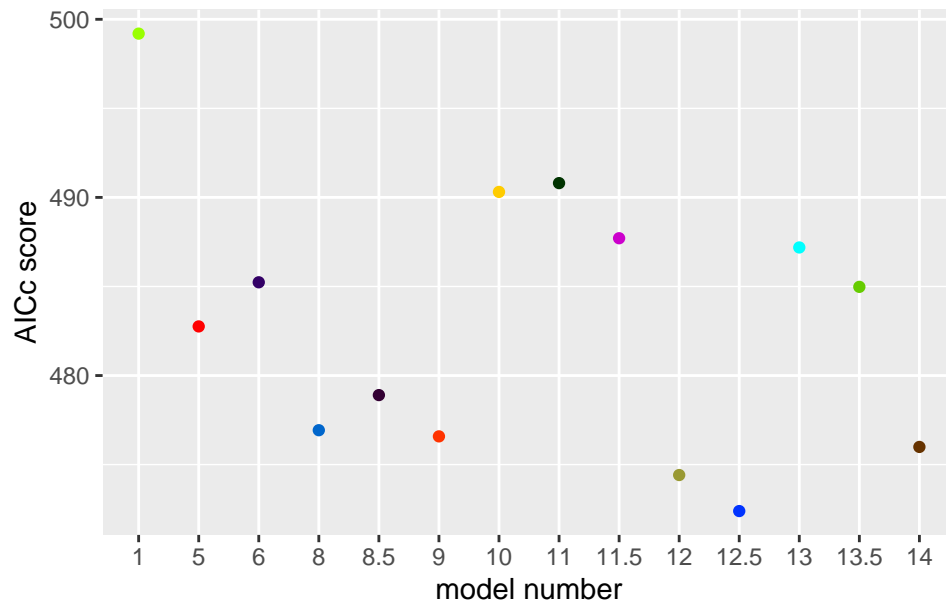
- 1: individual well
- 5: universal state
- 6: meadow
- 8: HGMZ
- 8.5: HGMZ, fan and terrace as one
- 9: PFT
- 10: PFT and HGMZ
- 11: TWI, 6 bins
- 11.5: TWI, 3 bins
- 12: Distance to main channel, 6 bins
- 12.5: Distance to main channel, 3 bins
- 13: Distance to nearest channel, 6 bins
- 13.5: Distance to nearest channel, 3 bins
- 14: meadow + HGMZ



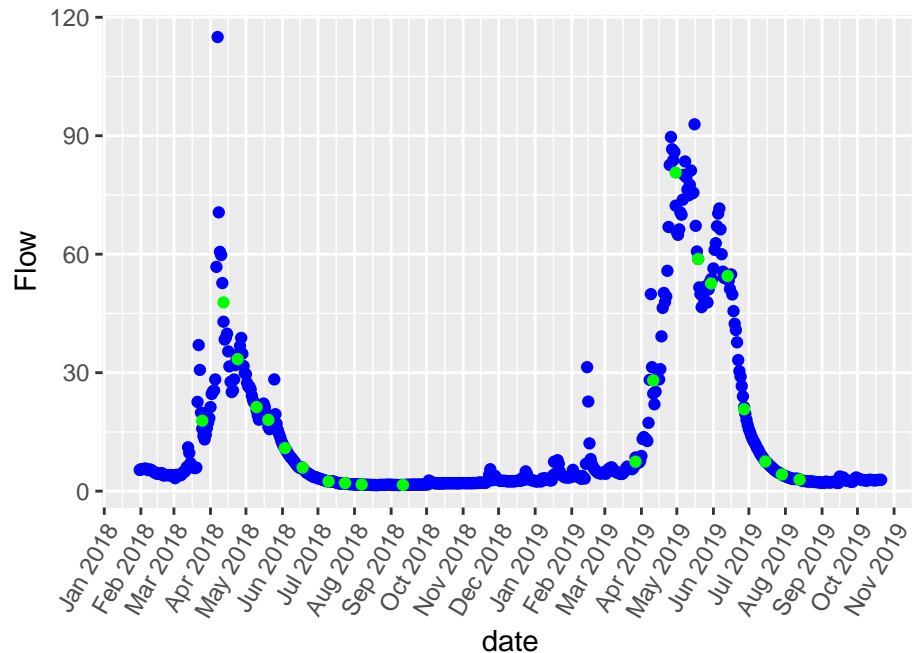
level

- USGS measured discharge
- avg. discharge (covariates)

# Covariate Discharge with a lag of 9 weeks



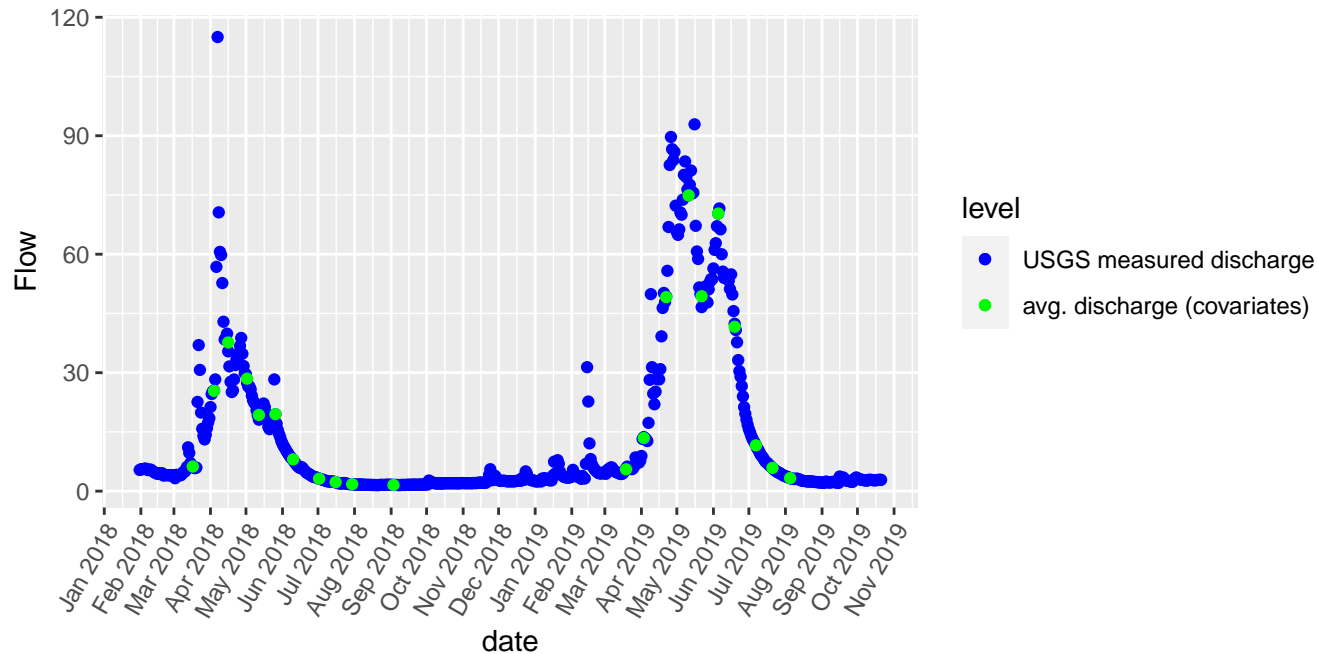
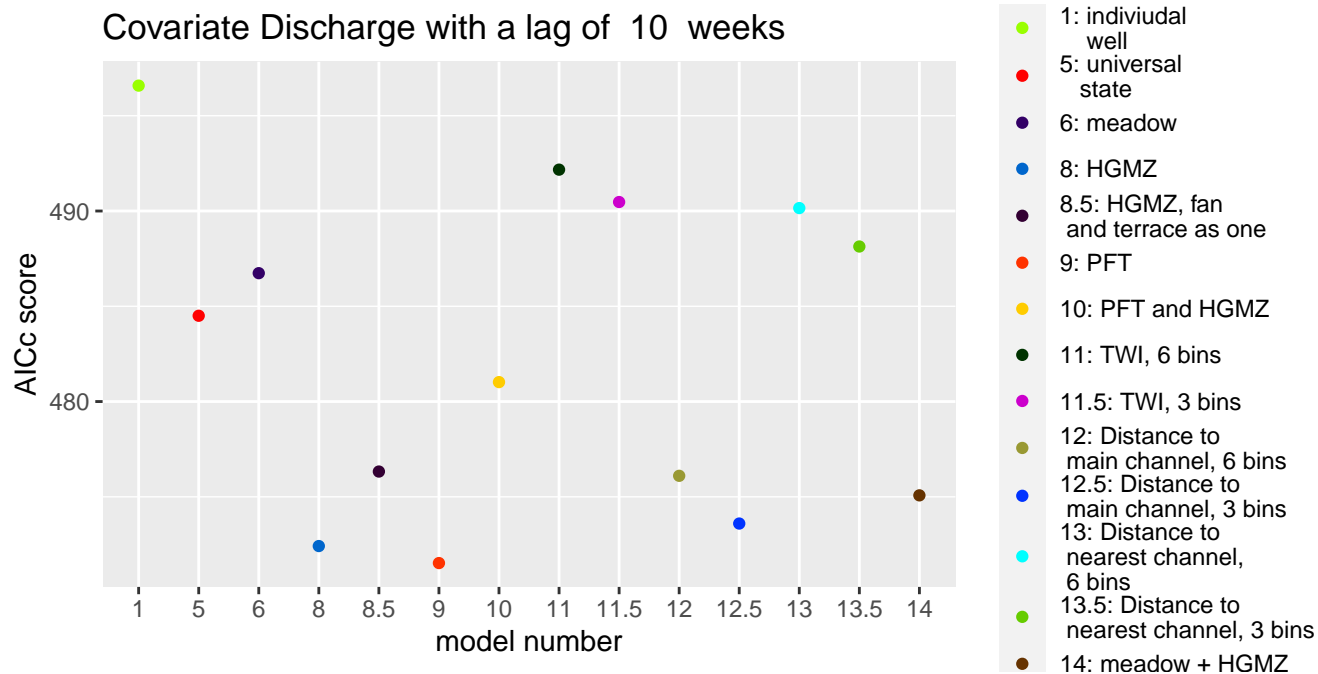
- 1: individual well
- 5: universal state
- 6: meadow
- 8: HGMZ
- 8.5: HGMZ, fan and terrace as one
- 9: PFT
- 10: PFT and HGMZ
- 11: TWI, 6 bins
- 11.5: TWI, 3 bins
- 12: Distance to main channel, 6 bins
- 12.5: Distance to main channel, 3 bins
- 13: Distance to nearest channel, 6 bins
- 13.5: Distance to nearest channel, 3 bins
- 14: meadow + HGMZ



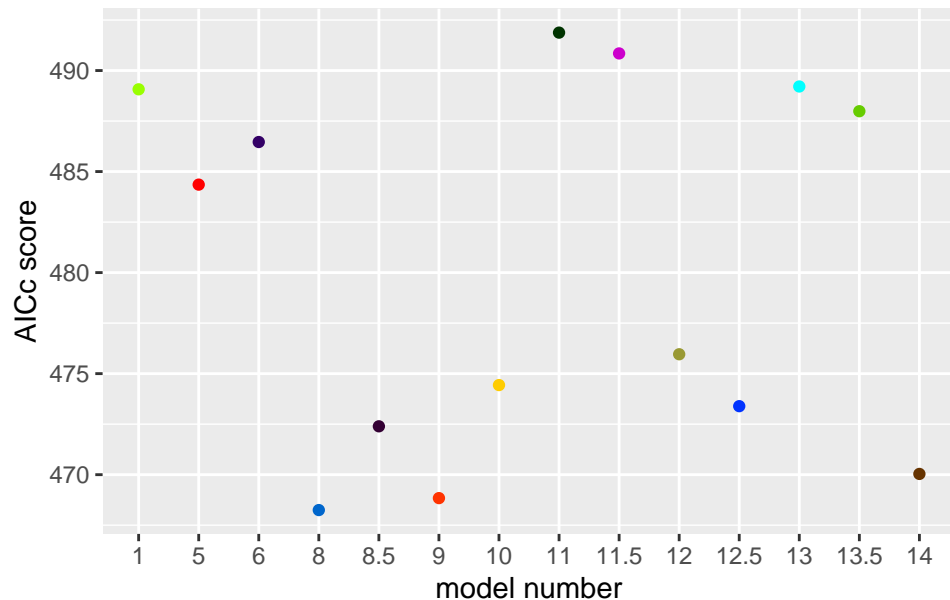
level

- USGS measured discharge
- avg. discharge (covariates)

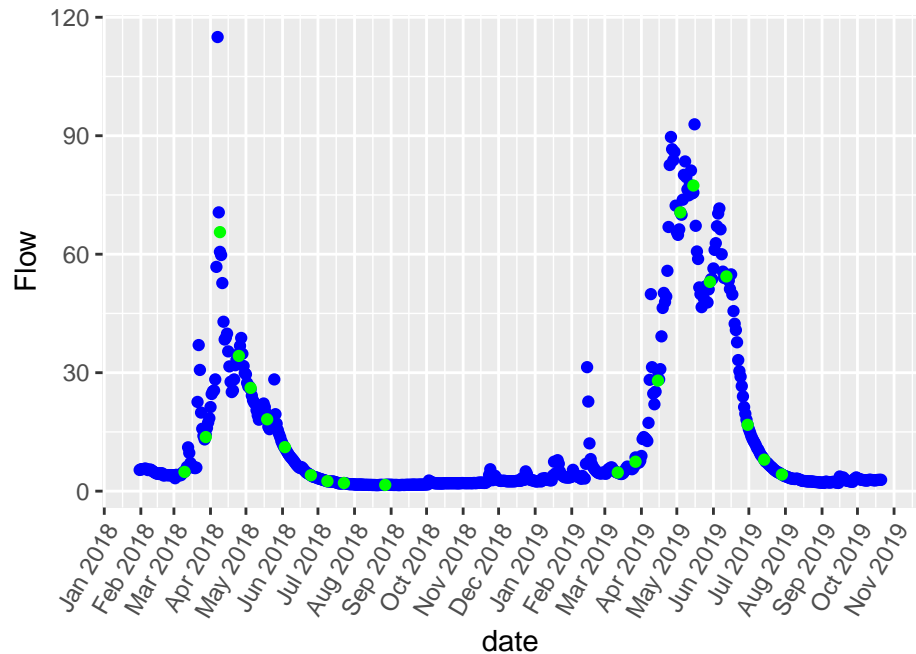
# Covariate Discharge with a lag of 10 weeks



# Covariate Discharge with a lag of 11 weeks



- 1: individual well
- 5: universal state
- 6: meadow
- 8: HGMZ
- 8.5: HGMZ, fan and terrace as one
- 9: PFT
- 10: PFT and HGMZ
- 11: TWI, 6 bins
- 11.5: TWI, 3 bins
- 12: Distance to main channel, 6 bins
- 12.5: Distance to main channel, 3 bins
- 13: Distance to nearest channel, 6 bins
- 13.5: Distance to nearest channel, 3 bins
- 14: meadow + HGMZ



level

- USGS measured discharge
- avg. discharge (covariates)

# Covariate Discharge with a lag of 12 weeks

