1. cGAM-PPLO model (`all_huc12_pplo.feather`)

1. `comid` — The stream reach specific common identification number (COMID) of the stream reach identified as the stream reach of the USGS streamgage. Note that geometrically, streamgages could share a COMID, so do not rely on COMID being absolutely not repeated between streamgages.
2. `huc12` — The level-12 hydrologic unit code (HUC12) number containing the streamgage. Note that geometrically, streamgages could share a HUC12, so do not rely on HUC12 being absolutely not repeated between streamgages.
3. `decade` — The decade for which the 1950 decade is defined as the days January 1, 1950 to December 31, 1959.
4. `dec_long_va` — The decimal degrees longitude in North American Datum of 1983.
5. `dec_lat_va` — The decimal degrees latitude in North American Datum of 1983.
6. `est_lwr_pplo` — The whole-model lower 95-percent prediction limit of the decadal no-flow fraction.
7. `est_pplo` — The whole-model estimate of the decadal no-flow fraction.
8. `est_upr_pplo` — The whole-model upper 95-percent prediction limit of the decadal no-flow fraction.
9. `est_lwr_flowtime` — The whole-model lower 95-percent prediction limit of the decadal flowtime in base-10 logarithms of days.
10. `est_flowtime` — The whole-model estimate of the decadal flowtime is the base-10 logarithmic transformation of the number of nonzero streamflow days observed in the decade.
11. `est_upr_flowtime` — The whole-model upper 95-percent prediction limit of the decadal flowtime in base-10 logarithms of days.
12. `rse_flowtime` — The scale of the residuals of the whole model in base-10 logarithmic transformation of days, and note that the model is constructed as a censored regression of the flowtime and not the no-flow fraction.
13. `se.fit_flowtime` — The standard error of fit reported by the whole model and note that the model is constructed as a censored regression of the flowtime and not the no-flow fraction.
14. `delta_est_pplo` — The decade to decade change in the `est_pplo` and the 1950s decade is hence missing (NA).

2. GAM-L1 model (`all_huc12_L1.feather`)

1. `comid` — The stream reach specific common identification number (COMID) of the stream reach identified as the stream reach of the USGS streamgage. Note that geometrically, streamgages could share a COMID, so do not rely on COMID being absolutely not repeated between streamgages.
2. `huc12` — The level-12 hydrologic unit code (HUC12) number containing the streamgage. Note that geometrically, streamgages could share a HUC12, so do not rely on HUC12 being absolutely not repeated between streamgages.
3. `decade` — The decade for which the 1950 decade is defined as the days January 1, 1950 to December 31, 1959.
4. `dec_long_va` — The decimal degrees longitude in North American Datum of 1983.
5. `dec_lat_va` — The decimal degrees latitude in North American Datum of 1983.
6. `bias_corr` — The Duan smearing estimator of the re-transformation bias correction factor.
7. `est_lwr_L1` — The whole-model lower 95-percent prediction limit of the decadal mean nonzero streamflow, cubic meters per second.

8. `est_L1` — The whole-model estimate the decadal mean nonzero streamflow, cubic meters per second.
9. `est_upr_L1` — The whole-model upper 95-percent prediction limit of the decadal mean nonzero streamflow, cubic meters per second.
10. `rse_L1` — The scale of the residuals of the whole model, cubic meters per second.
11. `se.fit_L1` — The standard error of fit reported by the whole model, cubic meters per second.
12. `delta_est_L1` — The decade to decade change in the `est_L1` and the 1950s decade is hence missing (NA).

3. Combined cGAM-PPLO and GAM-L1 models (`all_huc12_overL1.feather`)

1. `comid` — The stream reach specific common identification number (COMID) of the stream reach identified as the stream reach of the USGS streamgage. Note that geometrically, streamgages could share a COMID, so do not rely on COMID being absolutely not repeated between streamgages.
2. `huc12` — The level-12 hydrologic unit code (HUC12) number containing the streamgage. Note that geometrically, streamgages could share a HUC12, so do not rely on HUC12 being absolutely not repeated between streamgages.
3. `decade` — The decade for which the 1950 decade is defined as the days January 1, 1950 to December 31, 1959.
4. `dec_long_va` — The decimal degrees longitude in North American Datum of 1983.
5. `dec_lat_va` — The decimal degrees latitude in North American Datum of 1983.
6. `est_lwr_overL1` — The whole-model lower 95-percent prediction limit of the decadal mean nonzero streamflow corrected by (1+0.23) correction to tighten the limits to correct 95-percent coverage probabilities and Duan smearing factor applied in computation of the mean, cubic meters per second.
7. `est_overL1` — The whole-model estimate the decadal mean nonzero streamflow and Duan smearing factor applied in computation of the mean, cubic meters per second.
8. `est_upr_overL1` — The whole-model upper 95-percent prediction limit of the decadal mean nonzero streamflow corrected by (1-0.23) correction to tighten the limits to correct 95-percent coverage probabilities and Duan smearing factor applied in computation of the mean, cubic meters per second.
9. `delta_est_overL1` — The decade to decade change in the `est_L1` and the 1950s decade is hence missing (NA).

4. GAM-T2 model (`all_huc12_T2.feather`)

1. `comid` — The stream reach specific common identification number (COMID) of the stream reach identified as the stream reach of the USGS streamgage. Note that geometrically, streamgages could share a COMID, so do not rely on COMID being absolutely not repeated between streamgages.
2. `huc12` — The level-12 hydrologic unit code (HUC12) number containing the streamgage. Note that geometrically, streamgages could share a HUC12, so do not rely on HUC12 being absolutely not repeated between streamgages.
3. `decade` — The decade for which the 1950 decade is defined as the days January 1, 1950 to December 31, 1959.
4. `dec_long_va` — The decimal degrees longitude in North American Datum of 1983.
5. `dec_lat_va` — The decimal degrees latitude in North American Datum of 1983.

6. est_lwr_T2 — The whole-model lower 95-percent prediction limit of the decadal coefficient of L-variation, dimensionless.
7. est_T2 — The whole-model estimate the decadal coefficient of L-variation , dimensionless.
8. est_upr_T2 — The whole-model upper 95-percent prediction limit of the decadal coefficient of L-variation, dimensionless.
9. rse_T2 — The scale of the residuals of the whole model, dimensionless.
10. se.fit_T2 — The standard error of fit reported by the whole model, dimensionless.
11. delta_est_T2 — The decade to decade change in the est_T2 and the 1950s decade is hence missing (NA).

5. GAM-T3 model (all_huc12_T3.feather)

1. comid — The stream reach specific common identification number (COMID) of the stream reach identified as the stream reach of the USGS streamgage. Note that geometrically, streamgages could share a COMID, so do not rely on COMID being absolutely not repeated between streamgages.
2. huc12 — The level-12 hydrologic unit code (HUC12) number containing the streamgage. Note that geometrically, streamgages could share a HUC12, so do not rely on HUC12 being absolutely not repeated between streamgages.
3. decade — The decade for which the 1950 decade is defined as the days January 1, 1950 to December 31, 1959.
4. dec_long_va — The decimal degrees longitude in North American Datum of 1983.
5. dec_lat_va — The decimal degrees latitude in North American Datum of 1983.
6. est_lwr_T3 — The whole-model lower 95-percent prediction limit of the decadal L-skew, dimensionless.
7. est_T3 — The whole-model estimate the decadal L-skew, dimensionless.
8. est_upr_T3 — The whole-model upper 95-percent prediction limit of the decadal L-skew, dimensionless.
9. rse_T3 — The scale of the residuals of the whole model, dimensionless.
10. se.fit_T3 — The standard error of fit reported by the whole model, dimensionless.
11. delta_est_T3 — The decade to decade change in the est_T3 and the 1950s decade is hence missing (NA).

6. GAM-T4 model (all_huc12_T4.feather)

1. comid — The stream reach specific common identification number (COMID) of the stream reach identified as the stream reach of the USGS streamgage. Note that geometrically, streamgages could share a COMID, so do not rely on COMID being absolutely not repeated between streamgages.
2. huc12 — The level-12 hydrologic unit code (HUC12) number containing the streamgage. Note that geometrically, streamgages could share a HUC12, so do not rely on HUC12 being absolutely not repeated between streamgages.
3. decade — The decade for which the 1950 decade is defined as the days January 1, 1950 to December 31, 1959.
4. dec_long_va — The decimal degrees longitude in North American Datum of 1983.
5. dec_lat_va — The decimal degrees latitude in North American Datum of 1983.
6. est_lwr_T4 — The whole-model lower 95-percent prediction limit of the decadal L-kurtosis, dimensionless.

7. `est_T4` — The whole-model estimate the decadal L-kurtosis, dimensionless.
8. `est_upr_T4` — The whole-model upper 95-percent prediction limit of the decadal L-kurtosis, dimensionless.
9. `rse_T4` — The scale of the residuals of the whole model, dimensionless.
10. `se.fit_T4` — The standard error of fit reported by the whole model, dimensionless.
11. `delta_est_T4` — The decade to decade change in the `est_T4` and the 1950s decade is hence missing (NA).

7. GAM-T5 model (`all_huc12_T5.feather`)

1. `comid` — The stream reach specific common identification number (COMID) of the stream reach identified as the stream reach of the USGS streamgage. Note that geometrically, streamgages could share a COMID, so do not rely on COMID being absolutely not repeated between streamgages.
2. `huc12` — The level-12 hydrologic unit code (HUC12) number containing the streamgage. Note that geometrically, streamgages could share a HUC12, so do not rely on HUC12 being absolutely not repeated between streamgages.
3. `decade` — The decade for which the 1950 decade is defined as the days January 1, 1950 to December 31, 1959.
4. `dec_long_va` — The decimal degrees longitude in North American Datum of 1983.
5. `dec_lat_va` — The decimal degrees latitude in North American Datum of 1983.
6. `est_lwr_T5` — The whole-model lower 95-percent prediction limit of the decadal fifth L-moment ratio, dimensionless.
7. `est_T5` — The whole-model estimate the decadal fifth L-moment ratio, dimensionless.
8. `est_upr_T5` — The whole-model upper 95-percent prediction limit of the decadal fifth L-moment ratio, dimensionless.
9. `rse_T5` — The scale of the residuals of the whole model, dimensionless.
10. `se.fit_T5` — The standard error of fit reported by the whole model, dimensionless.
11. `delta_est_T5` — The decade to decade change in the `est_T5` and the 1950s decade is hence missing (NA).