

USGS Field Form 1. Basin Characterization

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[Fill out one form for each site. Items in **bold** are required for NAWQA national data aggregation. Circle units of measure where appropriate. Abbreviations in parentheses refer to parameter codes in NWIS or the NAWQA data dictionary file]

1. Study Unit (SUID): _____
2. Site type (SITYPE): BFS IFS SYN
3. **Station ID (C001 or STAID):** _____
4. HUC code (C020): _____
5. Station name (C900): _____
6. Reference location: longitude (C010): _____ latitude (C009): _____
elevation (meters above NGVD) (C016): _____
7. State FIPS code (C007): _____
8. County FIPS code (C008): _____
9. State (STATE): _____
10. County (COUNTY): _____
11. Township (TWN): _____
12. Range (RANGE): _____
13. Section (SEC): _____

14. Quad topographic sheets covering basin (QUAD):

Quad name	Scale	Year
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

15. File name(s) and path where these data can be found:

16. Contact person for site and basin data: _____

17. **Total drainage area (C808):** _____ square kilometers square miles

Contributing drainage area (C809): _____

18. **Drainage area method (DRAREAMD):** _____ **map year** _____

Computation method list (circle one): manual vector raster

Source-map-scale list (circle one): 1:24k 1:48k 1:100k 1:250k

19. Average annual runoff (RUNOFF): _____ centimeters inches
20. Average annual runoff method (RUNOFFMD): GAGE WTGAGE REFERENCE OTHER _____
21. Length of record for average annual runoff: Beginning year (BYRUNOFF) _____
Ending year (EYRUNOFF) _____
22. Average annual air temperature (TEMP): _____ °C
23. Average annual air temperature method (TEMPMD): THIESSEN NEIGHBOR ISOHYET REFERENCE
AVG KRIG OTHER _____
24. Length of record for average annual air temperature:
Beginning year (BYTEMP) _____
Ending year (EYTEMP) _____
25. Average annual precipitation (PRECIP): _____ centimeters
26. Average annual precipitation method (PRECIPMD): THIESSEN NEIGHBOR ISOHYET REFERENCE
AVG KRIG OTHER _____
27. Length of record for average annual precipitation:
Beginning year (BYPRECIP) _____
Ending year (EYPRECIP) _____

28. Average annual Class A pan evaporation (EVAPAN): _____ centimeters inches
29. Average annual evaporation method (EVAPANMD): THIESSEN NEIGHBOR ISOHYET REFERENCE
AVG KRIG OTHER _____
30. Length of record for average annual Class A pan evaporation:
Beginning year (BYEVAPAN): _____ Ending year (EYEVAPAN): _____
31. Basin length (BLENG): _____ kilometers miles
32. Basin length method (BLENGMD): _____ map year _____
Computation-method list (circle one): manual vector raster
Source-map-scale list (circle one): 1:24k 1:48k 1:100k 1:250k
33. Minimum elevation in the basin (MNELEV): _____ meters above NGVD (above datum > 0.0;
below datum < 0.0)
34. Minimum elevation method (MNELEVMD): _____ map year _____
Computation-method list (circle one): manual vector raster
Source-map-scale list (circle one): 1:24k 1:48k 1:100k 1:250k
35. Maximum elevation in the basin (MXELEV): _____ meters above NGVD (above datum > 0.0;
below datum < 0.0)
36. Maximum elevation method (MXELEVMD): _____ map year _____
Computation-method list (circle one): manual vector raster
Source-map-scale list (circle one): 1:24k 1:48k 1:100k 1:250k
37. Basin relief ratio (REL RAT): _____
38. Drainage shape (DRNSHAPE): _____
39. Stream length (SLENG): _____ kilometers (> 0.0)
40. Stream length method (SLENGMD): _____ map year _____
Computation-method list (circle one): manual vector raster
Source-map-scale list (circle one): 1:24k 1:48k 1:100k 1:250k
41. Cumulative perennial stream length (PSLENG): _____ kilometers (> 0.0)
42. Cumulative perennial stream length method (PSLENGMD): _____ map year _____
Computation-method list (circle one): manual vector raster
Source-map-scale list (circle one): 1:24k 1:48k 1:100k 1:250k
43. Drainage density (DRNDENS): _____ kilometers⁻¹
44. Drainage texture (DRNTEX): _____ contours/kilometer (> 0.00)
45. Entire stream gradient (SLOPE): _____ meters/kilometer
46. Estimated flow characteristics:
Beginning period of record (QBDATE): _____ Ending period of record (QEDATE): _____

Recurrence interval (in years)	Peak flow (m ³ /s ft ³ /s)	Flood volume (m ³ ft ³)	7-day low flow (m ³ /s ft ³ /s)
1	_____ (QP1)		
2	_____ (QP2)	_____ (QV2)	_____ (Q7L2)
5	_____ (QP5)	_____ (QV5)	_____ (Q7L5)
10	_____ (QP10)	_____ (QV10)	_____ (Q7L10)
25	_____ (QP25)	_____ (QV25)	_____ (Q7L25)
50	_____ (QP50)	_____ (QV50)	_____ (Q7L50)
100	_____ (QP100)	_____ (QV100)	_____ (Q7L100)

47. Method(s) for estimating streamflow characteristics, such as from gaging-station data or list references if State or regional equations were used (FLOWMD): _____