

10 Questions to ask a Perspective Stream Restoration Professional *(4/6/2020 DRAFT)*

1. Do you, or anyone in your firm, have a formal education in fluvial geomorphology, stream hydraulics, bioengineering, or stream restoration?
2. Are you, or anyone in your firm, a Licensed Professional Engineer (PE) in the State of Montana?
3. What experience do you, or your firm, have with the Montana floodplain permitting process and other permits (310, 404, 124, etc.) generally required for working within riparian areas, on stream banks, or in the water?
4. What experience do you, or your firm, have performing restoration work in general, and specifically within a FEMA mapped regulatory floodplain?
5. What experience do you, or anyone in your firm, have with conducting topographic land surveys and bathymetric surveys for the purposes of modeling the hydraulics required for a stream restoration project and/or working within a FEMA 100 yr. floodplain?
6. What experience do you, or anyone in your firm, have in identifying Reference Reaches for a stream restoration project, including conducting pebble counts and woody debris inventories?
7. What experience do you, or anyone in your firm, have in hydrology, specifically for calculating/identifying the 2 yr., 5 yr., 10 yr., 25 yr., and FEMA regulatory 100 yr. flood flows?
8. What experience do you, or your firm, have with conducting hydraulic modeling (i.e. HEC-RAS) for use in stream restoration projects, and FEMA 100 yr. floodplain effective models?
9. Have you, or anyone in your firm, ever performed a 'No Rise Certification' of some sort or Letter Of Map Change (LOMC) within a FEMA regulatory floodplain?
10. What stream restoration projects have you, or you firm, been involved with. Please be specific about the project details and the extent of your involvement. Are references available?