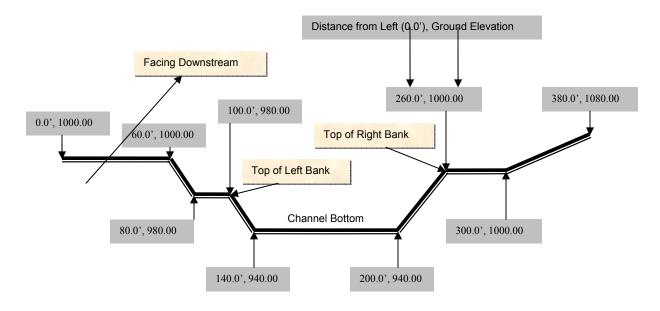
Typical Floodplain Cross-Section (Not to Scale)



- 1- Sections are numbered from downstream to upstream
- 2- Distances are measured from the left bank, perpendicular to the stream, starting with 0.0'
- 3- Ground elevations are measured at every break in the slope
- 4- Elevation and Distance data should be submitted in tabular form to facilitate entry into the HEC-RAS computer model.

Typical Floodplain Cross-Section

(EXCEL FORMAT)

NOTE: 1. Data input columns are in GRAY

- 2. Add additional rows as necessary
- 3. Stream Stationing increases going Upstream.
- 4. Offset Distance increases from Left bank to Right bank (looking downstream) Negatively numbered offsets are acceptable.
- 5. Extend each cross section far enough to include <u>all</u> probable Floodplain

| | | | | 5. Extend each cross section far enough to include <u>all</u> probable Floodplain |
|-----------|----------------------|---------------|----------|--|
| (County) | | (Stream name) | (Applica | int name) |
| | 1 | | | |
| Stream | X-Sect. Offset | X-Sect. | Notes: | The cross section data should be kept in Columns A, B, and C |
| Station | Dist | Elevation | | of the spreadsheet as shown at left. From there the data may |
| 0+00 | 0 | 755.3 | | be copied directly into the hydraulic analysis model. |
| | 25.4 | 752.6 | | |
| | 126 | 745.2 | | Generally an accuracy of within one foot (1.0')horizontally |
| | continue as required | | | is acceptable, except where good engineering practices dictate a higher degree |
| | continue as required | | | of accuracy. Elevations to the nearest tenth of a foot are highly recommended. |
| | continue as required | | | |
| | continue as | required | | Reference elevations to 1929 NGVD (MSL). |
| | continue as required | | | Unless unusual factors dictate otherwise, generally the cross |
| | continue as required | | | sections should be taken as close to right angles to the flow |
| | continue as required | | | direction of the stream, and floodplain, as is practicable. If the cross section lines |
| | continue as required | | | intersect' each other within the floodplain, then the cross sections are incorrectly |
| | continue as required | | | aligned and should be realigned to eliminate such interference. |
| | continue as required | | | |
| | continue as required | | | Always provide a plan view sketch or drawing of the site to show the |
| | | | | relationship of the cross section positions to the stream valley. |
| Stream | X-Sect. Offset | X-Sect. | | |
| Station | Dist | Elevation | | |
| 1+00 | -12 | 753.8 | | If you furnish the data as described |
| | 0 | 749.4 | | above and at left it's not necessary to plot the cross sections. |
| | 18 | 745.3 | | , , |
| | continue as required | | | |
| | continue as required | | | |
| | continue as required | | | |
| | continue as required | | | |
| | continue as required | | | |
| | continue as required | | | |
| | | | | |
| Stream | X-Sect. Offset | X-Sect. | | |
| Station | Dist | Elevation | | |
| 2+00 | continue as | _ | | |
| | continue as | required | | |

continue as required