



Cross Section Survey Data Sheet

Date / Time: 6/22/14 0900
 River: 4th of July Cr.
 Cross Section: XS-7
 Waypoint #s:
 Length:

Crew: BT, MP, DBT, RV
 Northing / Lat:
 Easting / Long:
 Est. Q (cfs)
 Comments: Photos on pg 2/5

closing loop continued on pg 5/5.

| Point | BS (+) | HI | FS (-) | Elev | Notes |
|--------|--------|--------|--------|--------|---------|
| XS-1 L | 3.57 | | | 100.00 | assumed |
| INST 1 | | 103.57 | | | |
| XS-1 R | | | 3.90 | 99.67 | |
| TP | | | 2.60 | 100.97 | |
| INST 2 | 4.75 | 105.72 | | | |
| | | | | | |
| | | | | | |

XS-1 through XS-3 on INST 1
 XS-4 through XS-5 on INST 2

| Station | Rod | Depth | Elevation | Description | Notes |
|---------|----------------------|-------|-----------|--------------------|--|
| 18.8 | 3.57 | | 100.00 | top of pin | bar and cap XS-1L to XS-1R LEFT TO RIGHT |
| 18.8 | 3.91 | | | ground at pin | |
| 23.1 | 3.86 | | | end of bank | |
| 24.7 | 5.83 | | | LEW | |
| 27.0 | 6.31 | | | | |
| 29.0 | 6.88 | | | | |
| 31.0 | 7.41 | | | | |
| 33.0 | 7.28 | | | | |
| 35.0 | 6.66 | | | | |
| 37.0 | 7.03 | | | | |
| 38.0 | 6.23 | | | | |
| 39.0 | 7.61 | | | | |
| 41.0 | 7.64 | | | | |
| 43.0 | 7.64 | | | | |
| 45.0 | 7.16 | | | | |
| 47.0 | 7.30 | | | | |
| 49.0 | 7.12 | | | | |
| 51.0 | 7.50 | | | | |
| 53.0 | 7.39 | | | | |
| 55.0 | 6.46 | | | | |
| 58.5 | 58.0 5.89 | | | REW | |
| 62.0 | 5.95 | | | | |
| 64.0 | 5.91 | | | | |
| 68.0 | 4.84 | | | | |
| 70.0 | 4.44 | | | | |
| 72.5 | 4.11 | | | base of pin XS-1 R | |
| 72.5 | 3.90 | | 99.67 | top of pin XS-1 R | bar and cap |



Date / Time: 6/22/14 0900
 Cross Section: XS-2

Crew: BT, MP, DBT, RV

XS2R

39.5

| Station | Rod | Depth | Elevation | Description | Notes |
|---------|------|-------|-----------|-------------|-----------------------|
| 66.0 | 2.87 | | | TOB | XS-2 RIGHT TO LEFT |
| 64.0 | 3.52 | | | POB | |
| 62.0 | 4.0 | | | | |
| 59.5 | 5.22 | | | REN | |
| 58.0 | 5.31 | | | | |
| 56.0 | 5.29 | | | | |
| 54.0 | 5.63 | | | | |
| 52.0 | 5.53 | | | | |
| 50.0 | 6.12 | | | | |
| 48.0 | 6.13 | | | | |
| 46.0 | 6.49 | | | | |
| 44.0 | 6.25 | | | | |
| 42.0 | 6.36 | | | | |
| 40.0 | 5.41 | | | boulder | |
| 38.0 | 6.54 | | | | |
| 36.0 | 7.16 | | | | |
| 34.0 | 7.06 | | | | |
| 32.0 | 6.73 | | | | |
| 30.0 | 6.28 | | | | |
| 28.0 | 6.32 | | | | |
| 26.0 | 6.00 | | | | |
| 24.0 | 5.45 | | | | |
| 21.0 | 5.34 | | | LEW | |
| 19.0 | 5.37 | | | TOB | |
| 16.0 | 3.98 | | | | |

Photo Log

| Photo # | Description |
|---------|-------------------------------------|
| 216 | looking @ to (R) across X-section 1 |
| 218 | looking v/s through XS-1 |
| 219 | looking d/s thru from Xsec-5 |
| 220 | looking v/s from Xsec-5 |
| | |
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| | |

Comments:



Cross Section Survey Data Sheet

Date / Time: 6/22/14 0900
 River: 4th of July Cr.
 Cross Section: XS-13
 Waypoint #s:
 Length:

Crew: BT, MP; DBT, RV
 Northing / Lat:
 Easting / Long:
 Est. Q (cfs)
 Comments:

| Point | BS (+) | HI | FS (-) | Elev | Notes |
|-------|--------|----|--------|------|-------|
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| Station | Rod | Depth | Elevation | Description | Notes |
|---------|------|-------|-----------|---------------------|-----------------------|
| 16.0 | 4.40 | | | | XS-3 LEFT TO RIGHT |
| 14.0 | 2.23 | | | TOP LEFT | |
| 16.0 | 3.95 | | | REW | |
| 18.0 | 4.18 | | | | |
| 20.0 | 4.34 | | | | |
| 22.0 | 4.90 | | | | |
| 24.0 | 4.43 | | | | |
| 26.0 | 4.99 | | | | |
| 27.0 | 3.97 | | | boulder | |
| 29.0 | 5.55 | | | | |
| 31.0 | 5.49 | | | | |
| 33.0 | 5.83 | | | | |
| 35.0 | 4.64 | | | boulder | |
| 38.0 | 5.42 | | | | |
| 40.0 | 5.23 | | | | |
| 42.0 | 5.20 | | | | |
| 44.0 | 5.20 | | | | |
| 46.0 | 5.20 | | | | |
| 48.0 | 5.24 | | | | |
| 50.0 | 5.01 | | | | |
| 52.0 | 4.74 | | | | |
| 54.0 | 4.14 | | | | |
| 56.0 | 4.25 | | | | |
| 58.0 | 3.98 | | | REW | |
| 60.0 | 3.56 | | | | |
| 62.0 | 3.40 | | | | |
| 64.0 | 3.33 | | | | |
| 66.0 | 3.48 | | | base of bank | |
| 67.0 | 2.98 | | | top of bank - RIGHT | |



Date / Time: 6/22/14 0900
 Cross Section: XS-4

Crew: BT, MP, DBT, RV

Using INST 2 ELEV

XS-4

| Station | Rod | Depth | Elevation | Description | Notes |
|---------|------|-------|-----------|-------------|------------------------------|
| 64.0 | 2.45 | | | TOB | <u>XS-4</u> RIGHT TO LEFT |
| 62.0 | 4.32 | | | | |
| 60.0 | 4.96 | | | | |
| 58.0 | 5.39 | | | | |
| 54.0 | 5.23 | | | | |
| 52.0 | 5.52 | | | REW | |
| 50.0 | 5.60 | | | | |
| 48.0 | 6.22 | | | | |
| 46.0 | 6.63 | | | | |
| 44.0 | 6.86 | | | | |
| 42.0 | 7.42 | | | | |
| 40.0 | 7.61 | | | | |
| 38.0 | 7.69 | | | | |
| 36.0 | 7.72 | | | | |
| 34.0 | 7.80 | | | | |
| 32.0 | 7.35 | | | | |
| 30.0 | 7.35 | | | | |
| 28.0 | 6.65 | | | | |
| 26.0 | 5.76 | | | | |
| 24.0 | 5.68 | | | | |
| 22.0 | 5.50 | | | LEW | |
| 20.0 | 5.49 | | | | |
| 18.0 | 5.29 | | | | |
| 16.0 | 4.99 | | | | |

Photo Log

| Photo # | Description |
|---------|-------------|
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Comments:



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| Point | BS (+) | HI | FS (-) | Elev | Notes |
|--------|--------|--------|--------|--------|-------|
| INST 2 | | 105.72 | | ± | |
| XS-5L | | | 1.85 | 103.87 | |
| XS-5R | | | 3.40 | 102.32 | |
| XS-1R | | | 6.07 | 99.65 | ✓ OK |
| XS-1L | | | 5.72 | 100.00 | ✓ OK |
| XS-1L | | | 5.56 | 100.00 | |
| INST 3 | | 105.56 | | | |
| XS-5L | | | 1.69 | 103.87 | ✓ OK |
| XS-5R | | | 3.24 | 102.32 | ✓ OK |

KICKED INST.

| Station | Rod | Depth | Elevation | Description | Notes |
|-----------------|-----------------|-------|-----------|------------------------|---------------------------|
| 14.00 | 4.99 | | | | |
| 12.00 | 4.98 | | | | |
| 10.0 | 4.35 | | | | |
| 8.0 | 4.12 | | | | |
| 6.0 | 3.77 | | | | |
| 4.0 | 3.36 | | | TOB - | LEFT |
| 48.0 | 1.85 | | | TOP OF PIN - LEFT | <u>XS-5</u> |
| 48.0 | 2.13 | | | BASE OF PIN - TOB | |
| 44.0 | 4.64 | 4.55 | | LEW - base of bank | LEFT TO RIGHT |
| 42.0 | 5.16 | | | cobbles | |
| 40.0 | 5.18 | | | | → LEW is elevated, on bar |
| 38.0 | 4.94 | | | | |
| 36.0 | 5.86 | | | | |
| 34.0 | 5.10 | | | | |
| 32.0 | 5.53 | | | | |
| 30.0 | 6.05 | | | | |
| 28.0 | 6.38 | | | | |
| 26.0 | 6.91 | | | | |
| 24.0 | 6.97 | | | | |
| 22.0 | 7.03 | | | | |
| 20.0 | 6.82 | | | | |
| 18.0 | 6.54 | | | | |
| 16.0 | 6.66 | | | | |
| 14.0 | 6.25 | | | | |
| 12.0 | 5.98 | | | | |
| 10.0 | 5.55 | | | | |
| 8.6 | 5.23 | | | REW | |
| 6.0 | 3.89 | | | TOB | |
| 4.0 | 3.84 | | | | |
| 1.2 | 2.71 | | | base of pin - RIGHT | |
| 1.2 | 3.40 | | | top of pin - bar & cap | |

QC1: DBT

Photo Backup # 266

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v4 6/16/2014