| Site | Dist | Depth ft | Depth m | velocity ft/s | velocity m/s | $\bar{x}$vel | $\bar{x}$depth | width | discharge |
|---|---|---|---|---|---|---|---|---|---|
| (7) | 0 | | | | | -.075 | .075 | .2 | -1.13 |
| | .2 | .5 | .15 | -.5 | -.15 | -.12 | .165 | .1 | -1.98 |
| | .3 | .6 | .18 | -.3 | -.09 | .015 | .205 | .15 | .46 |
| | .45 | .75 | .23 | .4 | .12 | .26 | .25 | .15 | 9.75 |
| | .6 | .9 | .27 | 1.3 | .40 | .35 | .27 | .2 | 18.9 |
| | .8 | .9 | .27 | 1.0 | .30 | .30 | .27 | .2 | 16.2 |
| | 1.0 | .9 | .27 | 1.0 | .30 | .32 | .27 | .2 | 17.28 |
| | 1.2 | .9 | .27 | 1.1 | .34 | .34 | .27 | .3 | 27.54 |
| | 1.5 | .9 | .27 | 1.1 | .34 | .26 | .27 | .25 | 17.55 |
| | 1.75 | .9 | .27 | .6 | .18 | .195 | .255 | .25 | 12.43 |
| | 2.0 | .8 | .24 | .7 | .21 | .165 | .235 | .25 | 9.69 |
| | 2.25 | .75 | .23 | .4 | .12 | .135 | .205 | .25 | 6.9 |
| | 2.5 | .6 | .18 | .5 | .15 | .165 | .18 | .25 | 7.43 |
| | 2.75 | .6 | .18 | .6 | .18 | .22 | .18 | .25 | 9.9 |
| | 3.0 | .6 | .18 | 1.2 | .37 | .23 | .18 | .3 | 12.4 |
| | 3.3 | .6 | .18 | .3 | .09 | .015 | .135 | .3 | .61 |
| | 3.6 | .3 | .09 | -.2 | -.06 | -.03 | .045 | .2 | -.27 |
| | 3.8 | 0 | 0 | 0 | 0 | | | | 163.66 |
| (1) | 0 | 0 | | 0 | | | | | |
| | .5 | .9 | | -.1 | | -.05 | .45 | .5 | -.01125 |
| | .6 | 1.1 | | .3 | | .1 | 1.0 | .1 | .01 |
| | .8 | 1.0 | | 1.7 | | 1.0 | 1.05 | .2 | .21 |
| | .9 | 1.0 | | 2.3 | | 1.5 | 1.0 | .1 | .15 |
| | 1.3 | .8 | | 1.2 | | 1.75 | .9 | .4 | .63 |
| | 1.7 | .5 | | 3.2 | | 2.2 | .65 | .3 | .429 |
| | 2.1 | .4 | | 1.5 | | 2.35 | .45 | .4 | .423 |
| | 2.6 | .2 | | .3 | | 1.4 | .3 | .5 | .21 |
| | 3.0 | .2 | | .4 | | .35 | .2 | .4 | .028 |
| | 3.3 | 0 | | 0 | | .2 | .1 | .3 | .006 |
| | | | | | | | | | 2.04475 → 193.74 |

1. 193.7
2. $\bar{x}$ = 159.3 ± 8
7. 163.7
10. 181.7
13. 167.6

3. 184.7

020465

depth x width x vel.

| ft | m | ft/s | ft · ft · m/s |
|---|---|---|---|
| x.3048 | | .3048 | |
| 3.2 | 2.1 | 1.2 | 0.7 4917 |
| 10.97536 | 2.1 | 0.36576 | 7.7253160 |

| | | today's | weir |
|---|---|---|---|
| Site 1 | 193.7 | | |
| 2 | 159.3 | | |
| 3 | 184.7 | | |
| 4 | 197.2 | | |
| 5 | 170.9 | | |
| 6 | 165.8 | | |
| 7 | 163.7 | | |
| 8 | 206.1 | | |
| 9 | | | |
| 10 | 181.7 | | |
| 11 | | | |
| 12 | | | |
| 13 | 167.6 | 145.3 | |

Weirs

| site | distance (m) | depth (m) | vel | x̄ vel | x̄ depth | width | flow |
|---|---|---|---|---|---|---|---|
| Upper | 0 | 0 | 0 | .8 | .063 | .02 | .001008 |
| | .02 | .125 | 1.6 | 1.8 | .1225 | .08 | .01764 |
| | .1 | .12 | 2.0 | 2.1 | .12 | .1 | .0252 |
| | .2 | .12 | 2.2 | 2.2 | .1215 | | .02673 |
| | .3 | .123 | 2.2 | 2.2 | .1245 | | .02739 |
| | .4 | .126 | 2.2 | 2.2 | .128 | | .02816 |
| | .5 | .13 | 2.2 | 2.25 | .1325 | | .0298 |
| | .6 | .135 | 2.3 | 2.3 | .1375 | | .0316 |
| | .7 | .14 | 2.3 | 2.3 | .1425 | | .0328 |
| | .8 | .145 | 2.3 | 2.3 | .145 | | .0335 |
| | .9 | .145 | 2.3 | 2.35 | .1475 | | .0347 |
| | 1.0 | .15 | 2.4 | 2.15 | .15 | | .03225 |
| | 1.1 | .15 | 1.9 | 1.75 | .1525 | .1 | .0267 |
| | 1.2 | .155 | 1.6 | .8 | .0775 | .02 | .0012 |
| | 1.22 | 0 | 0 | | | | .34863 |

1590 USGPM 106.3 L/s.

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Lower | 0 | 0 | 0 | .6 | .065 | .02 | .00078 |
| | .02 | .11 | 1.2 | 1.1 | .11 | .08 | .0088 |
| | .1 | .10.95 | 1.0 | 1.68 | .109 | .1 | .018 |
| | .2 | 10.9 | 2.3 | 2.3 | .109 | | .0251 |
| | .3 | 10.85 | 2.3 | 2.3 | .108 | | .0248 |
| | .4 | 10.85 | 2.3 | 2.3 | .108 | | .0248 |
| | .5 | 10.8 | 2.3 | 2.3 | .108 | | .0248 |
| | .6 | 10.75 | 2.3 | 2.25 | .107 | | .0241 |
| | .7 | 10.7 | 2.2 | 2.25 | .107 | | .0241 |
| | .8 | 10.65 | 2.3 | 2.25 | .107 | | .0241 |
| | .9 | 10.6 | 2.2 | 2.2 | .106 | | .02332 |
| | 1.0 | 10.6 | 2.2 | 2.15 | .106 | | .0228 |
| | 1.1 | 10.55 | 2.1 | 1.85 | .105 | .1 | .0194 |
| | 1.2 | 10.5 | 1.6 | .8 | .053 | .02 | .0008 |
| | 1.22 | 0 | 0 | | | | .2666 |

1215 USGPM 81.4 L/s

loss 375 USGPM, 24.9 L/s