

second. At Kum-tscheke the volume was 23.73 cub. m., and of this 6 cub. m. came from the Arka-köl. Hence we should have expected to get at the very most at Islamning-uji only 17.7 cub. m., instead of which we have 22.71 cub. m. Adding this to the amount which comes through the kok-ala of the Arka-köl, and we obtain a total of nearly 29 cub. m. in the second. Thus on the short stretch between Kujusch and Kum-tscheke, the river loses 5 cub. m., this amount being absorbed by the numerous marginal lakes and marshes. The volume at Islamning-uji amounted however to very nearly one-quarter of the volume of the Tarim at Schirge-tschapghan, this last having been 101.86 cub. m. on 19th April.

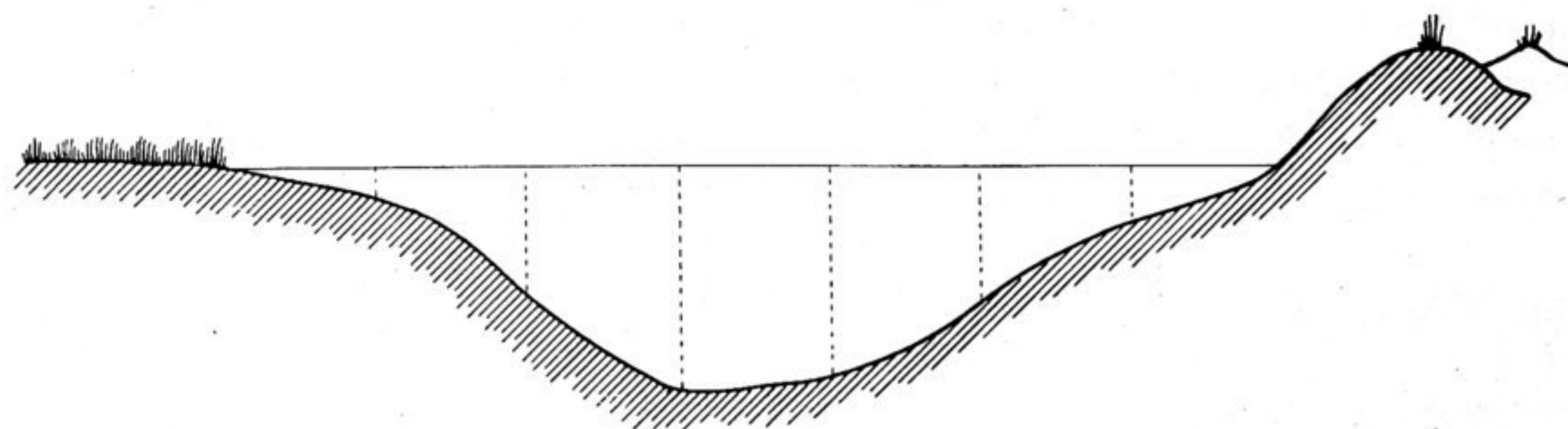


Fig. 419. Right. 0.53 2.40 4.00 3.70 2.40 0.95 = depth. Left.

| | | | | | |
|----|----|----|----|----|-------------|
| 12 | 49 | 70 | 82 | 68 | 47 |
| 17 | 61 | 68 | 77 | 72 | 47 |
| | 66 | 71 | 78 | 66 | } velocity. |
| | | 68 | 72 | | |

Breadth = 18.55 m. Ilek at Islamning-uji; April 24. Scale = 1 : 200.

Finally we measured, just below our camp, the volume that goes to the Barat Kulning-köli, taking the measurements close to the mouth of the canal, with the following results: breadth, 10.60 m.; mean depth, 1.120 m.; mean velocity, 0.4539 m.; and volume, 5.39 cub. m. in the second. Of this amount only a very small portion returns to the river through the lower canal of the Barat Kulning-köli, the current in which was at that time barely distinguishable. The upper canal is said to dry up

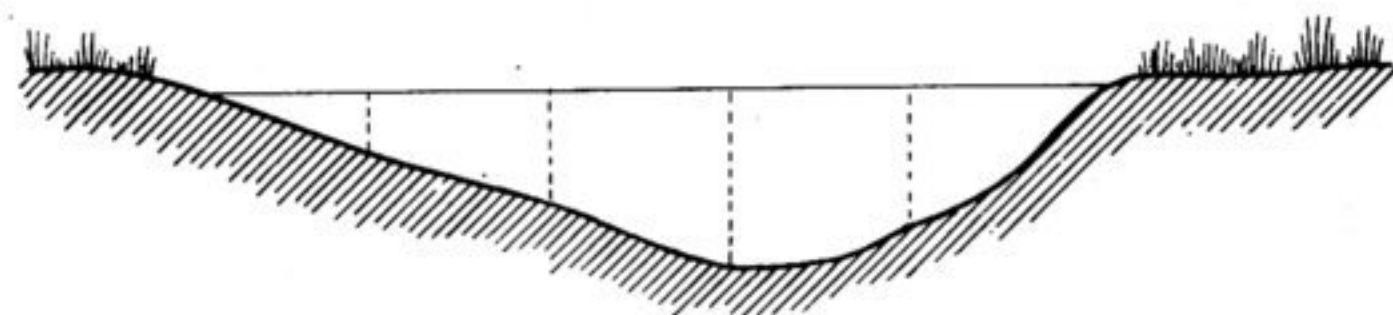


Fig. 420. Left. 0.78 1.42 1.82 1.58 = depth. Right.

| | | | |
|----|----|----|----|
| 54 | 47 | 50 | 50 |
| 60 | 41 | 46 | 50 |

} velocity.

Breadth = 10.6 m. The channel to Barat Kulning-köl; April 24. Scale = 1 : 200.

completely in the height of summer, thus cutting the lake off from the river, in consequence of which it shrinks considerably. If this statement is correct, and I believe it is, it means that in the summer the Ilek drops 1.82 m. (see the section measured above) below its present level. Probably the drop is even greater, for in July it is said to be possible to ford the river in several places on foot, a thing we could not have done then at a single spot, even with camels.