



Bottom sediment of the Niger River sampled in 1978, Nov 25-29

Columns:

1. the number by the order
2. laboratory number
3. cross-section number (as at the map)
4. site number (as at the map)
- 5-16 percent of a given particle size, mm
5. >10
6. 10-5
7. 5-2
8. 2-1
9. 1-0.5
10. 0.5-0.25
11. 0.25-0.1
12. 0.1-0.05
13. 0.05 0.01
14. 0.01-0.005
15. 0.005-0.001
16. <0.001
17. median particle diameter D50, mm; 60% diameter D60, mm

Сводная таблица

результатов лабораторных исследований физико-механических свойств грунтов, отобранных со дна реки Ингор 25-29 ноября 1978 года.

№ п/п	№ лаб.	№ стро-ре	№ точки на стро-ре	Гранулометрический состав в %													При-ме-ча-ние
				величина частиц в мм													
				галь-ва	гравий		песчаные					илловатые		глинистые			
					10	10-5	5-2	2-1	1-0.5	0.5-0.25	0.25-0.1	0.1-0.05	0.05-0.01	0.01-0.005	0.005-0.001		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	
1.	1217	1	1 _n	-	0.3	1.3	11.5	19.8	53.8	11.5	1.7	0.1					0.40 0.45
2.	1218	1	2 _n	0.3	1.5	5.1	16.0	33.0	33.5	6.3	1.7	0.3	0.3				0.65 1.0
3.	1219	1	3 _o	3.6	9.9	4.4	6.5	17.0	46.6	9.1	3.2	0.1					0.43 0.51
4.	1220	1	4 _o	-	0.9	11.7	26.2	26.7	34.2	4.6	0.6	0.1					0.71 0.26
5.	1221	1	5 _o	-	0.9	4.0	19.5	13.9	43.7	17.4	0.7	0.2					0.40 0.44
6.	1222	1	6 _o	-	1.4	13.3	32.0	6.0	17.0	24.7	3.0	0.3	0.3				0.85 1.1
7.	1223	1	7 _o	-	17.9	25.2	13.8	6.9	14.2	19.0	2.8	0.2					0.70 1.2
8.	1224	1	8 _o	-	0.7	9.1	20.3	21.3	33.5	13.3	0.7	0.1					0.43 0.50
9.	1225	1	9 _o	-	0.2	3.2	17.2	23.0	43.9	11.5	0.4	0.3	0.3				0.45 0.65
10.	1226	1	10 _o	0.7	1.5	6.7	23.5	24.7	36.4	5.6	0.8	0.1					0.60 0.80
11.	1227	1	11 [^]	0.2	1.3	3.2	18.7	14.2	51.6	9.8	0.9	0.1					0.43 0.48
12.	1228	1	12 [^]	-	-	0.8	9.9	31.7	49.0	4.8	3.2	0.6					0.45 0.53
13.	1229	2	1 _n	-	-	1.3	16.8	45.0	33.2	3.4	0.2	0.1					0.53 0.55
14.	1230	2	2 _o	-	0.6	5.0	26.0	23.4	40.1	2.4	2.5	0.1					0.56 0.80
15.	1231	2	3 _o	-	3.9	12.6	24.5	21.2	26.8	7.4	3.3	0.3					0.75 1.0
16.	1632	2	4 _o	-	0.8	2.2	17.6	25.3	38.0	14.0	1.9	0.1	0.1				0.45 0.60
17.	1633	2	5 _o	0.4	1.1	15.6	17.5	17.6	26.8	16.5	2.4	0.1					1.1 1.6

0.25 0.1 0.05 0.01 0.005 0.001 0.0005 0.0001

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
18. I234	2	6 _o	0.9	2.3	5.9	9.0	11.2	31.5	20.7	3.7	0.8					
19. I235	2	7 _o	-	1.9	5.7	17.8	19.3	30.4	20.2	4.7	0.4					
20. I236	2	8 _o	2.1	4.2	16.9	4.9	20.1	29.2	11.6	2.6	0.2	0.1	0.1	0.0	0.0	0.0
21. I237	2	9 _^	-	-	5.7	7.7	4.6	23.6	45.0	12.1	0.6	0.3	0.4	0.2	0.26	0.26
22. I238	2	10 _^	-	-	0.4	6.3	26.2	63.0	3.5	0.1	0.5			0.43	0.42	0.42
23. I239	2	11 _n	-	0.4	2.8	25.8	36.6	31.1	2.4	0.8	0.1			0.63	0.30	0.30
24. I241	3	1 _n	-	-	1.2	16.5	8.7	22.1	42.8	7.9	0.7	0.1	0.0	0.29	0.36	0.36
25. I242	3	2 _n	-	1.0	9.5	31.9	31.6	23.1	2.4	0.2	0.3			0.85	1.05	1.05
26. I243	3	3 _o	-	-	1.1	7.1	22.4	35.9	30.8	2.2	0.3	0.1	0.1	0.0	0.70	0.85
27. I244	3	4 _o	-	0.7	4.7	28.3	21.2	31.9	8.0	3.3	0.9			0.60	0.90	0.90
28. I245	3	5 _o	-	0.3	3.8	21.9	17.5	42.4	12.5	1.5	0.1			0.45	0.60	0.60
29. I246	3	6 _o	-	2.5	19.0	33.7	12.8	14.0	10.6	6.7	0.7			0.95	1.20	1.20
30. I247	3	7 _o	-	0.3	2.5	1.3	13.5	42.3	25.8	3.2	0.3	0.2		0.33	0.43	0.43
31. I248	3	8 _o	-	-	4.8	17.7	18.3	40.3	17.0	1.7	0.2			0.42	0.50	0.50
32. I249	3	9 _o	-	2.9	8.6	15.3	12.4	23.9	28.5	8.2	0.0	0.1	0.1	0.33	0.50	0.50
33. I250	3	10 _o	-	-	-	-	-	0.9	4.1	10.0	37.4	12.4	19.31	15.9	0.012	0.015
34. I251	3	11 _o	1.1	2.3	7.3	23.1	21.2	20.7	15.2	8.6	0.4	0.1		0.60	0.80	0.80
35. I252	3	12 _^	-	0.1	3.0	24.3	29.1	35.4	1.6	6.2	0.3			0.70	0.81	0.81
36. I253	4	1 _n	-	0.2	0.7	10.1	17.2	45.0	7.3	18.7	0.5	0.3		0.35	0.46	0.46
37. I254	4	2 _n	-	2.0	10.6	17.0	13.7	29.3	18.7	8.0	0.4	0.3		0.40	0.61	0.61
38. I255	4	3 _o	-	0.8	2.3	7.0	6.5	28.1	45.2	8.2	0.9	0.4	0.6		0.22	0.22
39. I256	4	4 _o	-	1.1	13.6	28.5	9.3	38.1	8.8	0.5	0.1			0.60	1.10	1.10
40. I257	4	5 _o	5.4	20.6	24.6	16.8	5.2	11.6	13.0	5.0	0.1	0.1	0.0	1.90	2.7	2.7
41. I258	4	6 _o	-	0.2	4.5	4.0	38.4	36.0	10.2	6.3	0.4			0.50	0.59	0.59
42. I259	4	7 _o	0.4	2.5	6.3	15.3	21.4	38.4	14.0	1.5	0.2			0.50	0.56	0.56
43. I260	4	8 _o	0.8	4.2	4.0	9.1	12.3	24.0	27.1	17.8	0.7			0.33	0.40	0.40
44. I262	4	10 _^	-	1.0	6.2	23.1	36.2	32.2	1.3	0.1	0.4			0.65	0.86	0.86
45. I263	5	1 _n	0.4	0.8	6.9	30.9	20.2	32.4	5.9	2.4	0.1			0.70	1.00	1.00

0.45-0.61
 0.44 0.60
 0.21 0.26
 0.43 0.42
 0.63 0.30
 0.29 0.36
 0.85 1.05
 0.70 0.85
 0.60 0.90
 0.45 0.60
 0.95 1.20
 0.33 0.43
 0.42 0.50
 0.33 0.50
 0.012 0.015
 0.60 0.80
 0.70 0.81
 0.35 0.46
 0.40 0.61
 0.22 0.22
 0.60 1.10
 1.90 2.7
 0.50 0.59
 0.50 0.56
 0.33 0.40
 0.65 0.86
 0.70 1.00

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

7.10 10.0 5.0 2.0 1.0 0.5 0.25 0.1

46.	I264	5	2 _n	-	0.7	2.0	18.8	25.8	43.4	7.5	1.8	0.2	0.1			0.47	0.60
47.	I265	5	3 _n	1.5	1.2	4.3	17.3	23.7	42.8	7.4	1.6	0.2				0.46	0.60
48.	I266	5	4 _o	0.8	1.2	8.6	30.0	21.2	29.0	7.4	0.9	0.1	0.4			0.75	1.0
49.	I267	5	5 _o	-	0.6	5.2	19.0	17.4	41.9	14.0	1.6	0.1	0.1	0.1		0.36	0.44
50.	I268	6	6 _o	-	10.4	13.8	23.0	17.5	24.6	8.5	2.1	0.1	0.0	0.0		0.90	1.3
51.	I269	5	7 _o	-	0.5	6.9	13.8	19.3	40.7	13.9	3.5	0.4	0.1	0.3	0.0	0.90	1.1
52.	I270	5	8 _o	1.2	11.7	13.9	20.8	20.6	21.9	7.7	2.1	0.1				0.90	1.3
53.	I271	5	9 _^	0.5	0.6	5.5	23.7	11.7	37.3	16.8	4.1	0.3				0.48	0.52
54.	I272	5	10 _^	-	0.5	6.9	19.3	26.8	39.6	4.2	2.5	0.1	0.1	0.0		0.54	0.62
55.	I273	6	1 _n	-	0.4	0.6	4.3	8.0	39.8	39.9	6.4	0.4	0.0	0.1	0.1	0.25	0.28
56.	I274	6	2 _n	0.4	0.7	2.6	14.9	25.3	46.8	8.4	0.0	0.0	0.2			0.22	0.30
57.	I275	6	3 _o	2.2	2.2	4.8	16.2	34.3	37.9	9.8	2.9	0.1				0.25	0.32
58.	I276	6	4 _o	12.0	5.1	12.7	13.0	12.0	21.3	10.0	0.6	0.1	0.1	0.1		0.70	1.2
59.	I277	6	6 _o	-	0.6	3.2	16.2	14.9	53.8	10.2	1.1	0.1	0.0			0.20	0.23
60.	I278	6	7 _o	-	6.0	13.3	13.7	6.5	20.3	29.0	10.8	0.3	0.1			0.35	0.44
61.	I279	6	8 _o	-	0.9	4.4	16.2	13.7	13.4	24.9	5.9	0.6				0.7	1.1
62.	I280	6	9 _^	0.1	2.1	3.8	20.1	14.1	36.7	18.1	4.6	0.4				0.48	0.5
63.	I281	6	10 _^	10.1	8.8	2.1	4.8	7.5	6.9	4.4	28.4	11.2	7.8	4.9	3.6	1.0	2.5
64.	I282	7	1 _n	-	0.7	1.4	4.5	10.0	4.0	21.6	1.1	0.1	0.1			0.00	
65.	I283	7	2 _n	-	0.3	5.8	26.2	23.2	39.4	4.4	0.6	0.1				0.56	0.75
66.	I284	7	3 _o	-	0.0	5.4	27.4	21.6	37.4	6.1	1.3	0.1				0.59	0.70
67.	I285	7	4 _o	4.1	9.2	7.8	12.2	13.0	32.8	16.1	4.3	0.3	0.2			0.45	0.66
68.	I286	7	5 _o	-	1.1	6.0	18.9	13.4	42.4	15.5	2.4	0.3				0.44	0.50
69.	I287	7	6 _o	0.6	7.0	11.0	23.5	14.5	29.1	9.4	3.7	1.2				0.70	1.1
70.	I288	7	7 _o	1.0	5.3	16.8	13.0	5.0	27.3	25.8	5.4	0.3				0.44	0.52
71.	I289	7	8 _o	7.1	5.7	11.0	18.9	13.9	23.8	14.3	5.1	0.1	0.1	0.0		0.62	1.10
72.	I290	7	9 _^	-	1.1	7.4	18.2	27.3	33.8	8.9	2.9	0.4				0.56	0.74
73.	I291	7	10 _^	-	1.3	8.5	14.1	27.1	37.3	10.1	1.4	0.1	0.1	0.0		0.59	0.80
74.	I292	8	1 _n	-	0.1	2.5	19.0	16.1	50.0	10.5	1.6	0.2				0.43	0.44
75.	I293	8	2 _n	-	0.9	8.5	27.5	16.8	32.0	11.2	2.9	0.2				0.59	0.70

0,5 0,5 0,2 1,3

	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
76. I294	8	3 ^o	0.1	0.3	1.1	7.0	19.5	60.5	10.2	1.2	0.1			0.40	0.45
77. I295	8	4 ^o	11.6	5.5	18.5	24.5	15.8	20.7	2.7	0.7			1.40	1.80	
78. I296	8	5 ^o	3.0	8.6	24.9	22.3	10.6	16.5	11.4	2.6	0.1		1.30	1.80	
79. I297	8	6 ^o	-	1.0	17.5	38.6	14.3	21.2	6.4	0.9	0.1		1.40	1.50	
80. I298	8	7 ^o	0.2	4.3	15.7	29.5	12.2	23.2	10.4	4.3	0.2		1.0	1.30	
81. I299	8	8 ^o	-	1.6	5.1	20.4	18.5	39.8	13.1	1.3	0.2		0.49	0.60	
82. I300	8	9 [^]	-	0.5	1.8	14.7	28.0	37.1	15.8	1.9	0.1	0.1	0.45	0.60	
83. I301	8	10 [^]	0.3	2.2	3.0	11.8	15.7	58.2	8.4	0.3	0.1		0.80	0.85	
84. I302	9	11 ⁿ	-	0.3	7.6	34.3	13.6	39.5	4.5	0.1	0.1		0.66	1.30	
85. I303	9	2 ^o	-	0.8	4.7	14.1	12.5	35.6	29.5	2.7	0.1		0.33	0.49	
86. I304	9	3 ^o	-	3.1	6.1	16.9	6.1	44.9	19.5	3.1	0.3		0.40	0.45	
87. I305	9	4 ^o	-	1.5	4.7	20.7	21.1	37.5	11.6	2.5	0.4		0.47	0.65	
88. I306	9	5 ^o	-	4.9	27.4	30.2	12.6	17.1	6.7	1.0			0.30	1.00	
89. I307	9	6 ^o	-	0.5	4.2	12.8	16.9	50.8	12.8	1.8	0.2		0.22	0.47	
90. I308	9	7 [^]	-	0.2	1.4	4.5	8.4	40.3	39.3	3.0	1.4	0.5	0.4	0.0	0.33
91. I309	9	8 [^]	-	-	4.3	13.8	11.2	24.1	37.9	7.9	0.8		0.29	0.38	
92. I310	9	9 [^]	1.2	6.1	9.8	23.5	3.2	17.7	11.7	16.6	0.2		0.80	0.70	
93. I311	10	11 ⁿ	-	-	0.5	3.4	6.5	61.6	23.0	1.7	0.3		1.33	0.36	
94. I312	10	2 ⁿ	-	0.2	3.9	38.0	20.4	33.3	1.9	0.2	0.1		1.80	1.10	
95. I313	10	3 ^o	-	0.3	4.0	17.0	30.0	39.0	8.2	1.2	0.3		0.51	0.72	
96. I314	10	4 ^o	2.7	1.5	11.4	45.8	16.1	15.8	4.9	1.7	0.1		1.18	1.40	
97. I315	10	5 ^o	-	0.9	9.7	27.0	9.7	33.0	16.2	3.4	0.1		0.45	0.85	
98. I316	10	6 ^o	6.2	7.2	5.5	19.0	26.6	26.1	7.2	1.9	0.3		0.70	0.80	
99. I318	10	8 [^]	0.2	0.8	2.9	10.5	12.7	45.5	20.2	7.0	0.2		0.35	0.47	
100. I319	10	9 [^]	-	-	-	1.8	2.0	26.4	59.5	10.0	0.1	0.0	0.1	0.21	0.25

среднее
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0.8	2.3	7.1	18.2	17.7	33.1
3.6	5.9	8.6	8.5	12.6	