

14. サンドラムの水位低減効果

サンルダムの水位低減効果

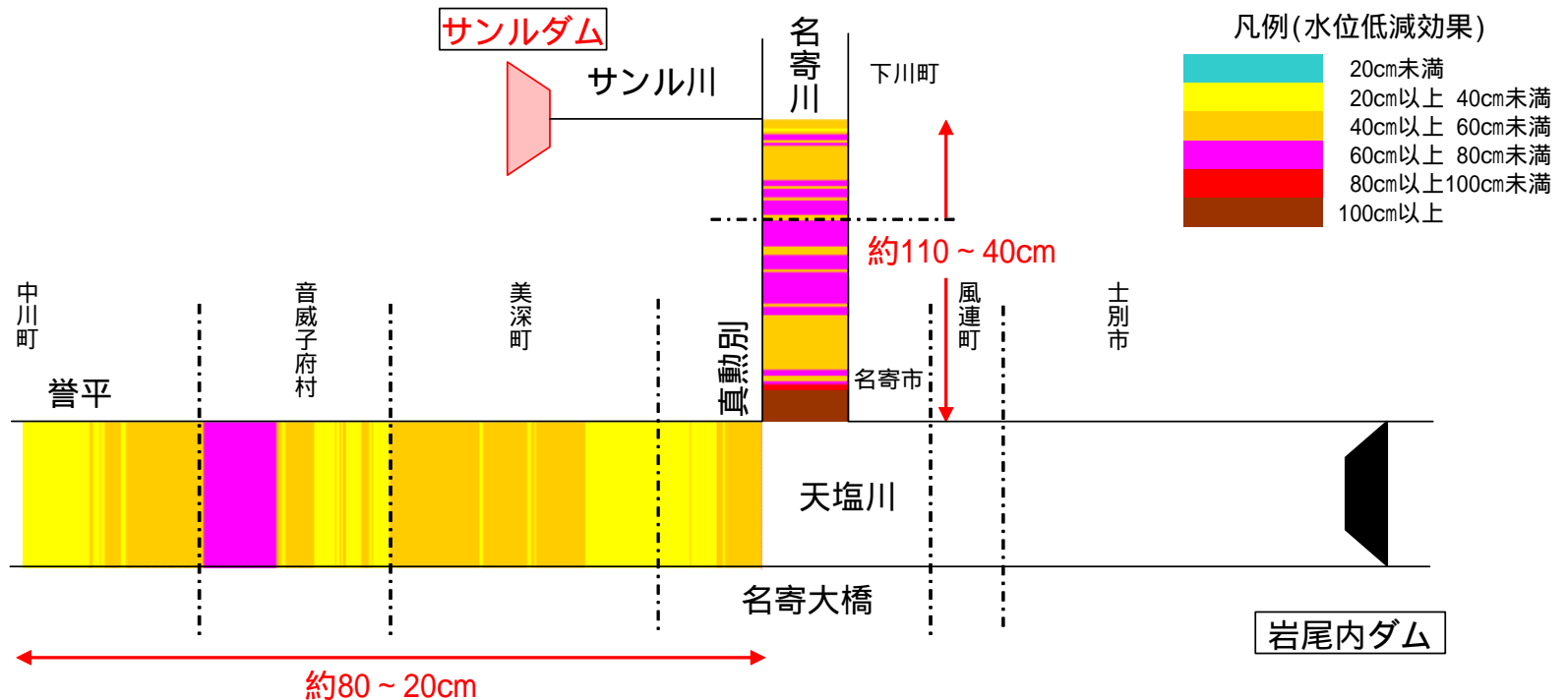
(名寄川のサンル川合流点から天塩川合流点、天塩川の名寄川合流点から誉平地点)

河川整備計画において目標としている洪水に対して、

名寄川のサンル川合流点から天塩川合流点の間で最大約110cm、最小約40cm

天塩川の名寄川合流点から誉平地点の間で最大約80cm、最小約20cm

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15. サンプルダムでの水位低減効果の 算出に関するデータ

天塩川水系天塩川 現況河道 計算水位表

距離標(Kp)	計算水位(m)	
	整備計画流量 (サンルダムなし)	整備計画流量 (サンルダムあり)
59.00	16.89	16.62
59.20	16.94	16.67
59.40	17.13	16.86
59.60	17.18	16.90
59.80	17.47	17.20
60.00	17.58	17.29
60.20	17.65	17.37
60.40	17.97	17.66
60.60	18.16	17.84
60.80	18.21	17.89
61.00	18.42	18.08
61.20	18.46	18.14
61.40	18.48	18.17
61.60	18.51	18.19
61.80	18.65	18.34
62.00	19.42	19.07
62.20	19.60	19.24
62.40	19.60	19.24
62.60	19.59	19.23
62.80	19.36	19.03
63.00	20.01	19.65
63.20	20.20	19.82
63.40	20.43	20.04
63.60	20.42	20.03
63.80	20.50	20.13
64.00	20.61	20.24
64.20	20.66	20.29
64.40	20.65	20.27
64.60	20.76	20.38
64.80	20.77	20.39
65.00	20.90	20.53
65.20	20.94	20.57
65.40	21.00	20.64
65.60	21.15	20.79
65.80	21.25	20.89
66.00	21.34	20.98
66.20	21.39	21.02
66.40	21.70	21.31
66.60	21.76	21.38
66.80	21.91	21.53
67.00	22.23	21.82
67.20	22.51	22.11
67.40	22.56	22.19
67.60	22.64	22.26
67.80	22.84	22.46
68.00	22.98	22.59
68.20	23.22	22.82
68.40	23.19	22.80
68.60	23.42	23.04
68.80	23.66	23.25
69.00	23.92	23.52
69.20	23.96	23.56
69.40	24.04	23.64
69.60	24.09	23.69
69.80	24.12	23.72
70.00	24.21	23.81
70.20	24.24	23.83
70.40	24.28	23.88
70.60	24.45	24.05
70.80	24.61	24.23
71.00	24.70	24.32
71.20	25.26	24.87

距離標(Kp)	計算水位(m)	
	整備計画流量 (サンルダムなし)	整備計画流量 (サンルダムあり)
71.40	25.39	24.99
71.60	25.58	25.18
71.80	26.03	25.62
72.00	25.90	25.50
72.20	26.61	26.18
72.40	26.45	26.02
72.60	26.91	26.47
72.80	27.80	27.32
73.00	28.07	27.58
73.20	28.13	27.62
73.40	28.64	28.10
73.60	28.95	28.42
73.80	28.99	28.46
74.00	29.07	28.56
74.20	29.30	28.79
74.40	29.24	28.74
74.60	29.58	29.07
74.80	29.65	29.14
75.00	29.71	29.19
75.20	29.75	29.21
75.40	30.07	29.55
75.60	30.15	29.64
75.80	30.15	29.65
76.00	30.37	29.88
76.20	30.67	30.19
76.40	30.73	30.27
76.60	30.82	30.37
76.80	30.75	30.30
77.00	30.90	30.45
77.20	30.59	30.15
77.40	30.85	30.40
77.60	31.17	30.71
77.80	31.46	30.99
78.00	31.58	31.11
78.20	31.80	31.32
78.40	32.27	31.76
78.60	32.75	32.22
78.80	33.19	32.65
79.00	33.40	32.82
79.20	33.74	33.16
79.40	34.06	33.52
79.60	34.49	33.94
79.80	34.73	34.18
80.00	34.83	34.28
80.20	33.70	33.13
80.40	35.05	34.47
80.60	35.34	34.76
80.80	35.75	35.15
81.00	36.18	35.53
81.20	36.03	35.39
81.40	35.98	35.35
81.60	36.13	35.49
81.80	36.85	36.20
82.00	37.38	36.71
82.20	37.57	36.90
82.40	37.59	36.92
82.60	37.75	37.08
82.80	37.82	37.17
83.00	37.91	37.25
83.20	38.43	37.68
83.40	38.71	37.96
83.60	38.73	37.99

計算水位は、不等流計算により算出(起算水位は等流計算水位)
旧測地系で表記

天塩川水系天塩川 現況河道 計算水位表

距離標(Kp)	計算水位(m)	
	整備計画流量 (サンルダムなし)	整備計画流量 (サンルダムあり)
83.80	39.11	38.37
84.00	38.96	38.22
84.20	39.28	38.53
84.40	39.24	38.49
84.60	39.69	38.94
84.80	39.55	38.80
85.00	39.81	39.07
85.20	39.86	39.15
85.40	39.98	39.31
85.60	40.03	39.36
85.80	40.13	39.46
86.00	40.23	39.56
86.20	40.31	39.65
86.40	40.35	39.70
86.60	40.39	39.73
86.80	40.42	39.76
87.00	40.43	39.78
87.20	40.48	39.83
87.40	40.55	39.89
87.60	40.63	39.98
87.80	40.27	39.63
88.00	40.24	39.60
88.20	39.96	39.36
88.40	41.13	40.52
88.60	41.39	40.78
88.80	41.39	40.78
89.00	41.86	41.25
89.20	41.98	41.36
89.40	42.08	41.46
89.60	42.15	41.56
89.80	41.88	41.31
90.00	42.26	41.78
90.20	42.80	42.42
90.40	42.93	42.54
90.60	42.98	42.58
90.80	42.99	42.59
91.00	42.98	42.58
91.20	43.04	42.64
91.40	43.09	42.69
91.60	43.16	42.76
91.80	43.21	42.81
92.00	43.22	42.82
92.20	43.25	42.84
92.40	43.09	42.68
92.60	43.45	43.05
92.80	43.59	43.19
93.00	43.73	43.32
93.20	43.83	43.42
93.40	43.81	43.41
93.60	43.90	43.49
93.80	43.91	43.51
94.00	43.94	43.54
94.20	43.93	43.54
94.40	43.99	43.60
94.60	43.84	43.48
94.80	44.23	43.85
95.00	44.21	43.85
95.20	44.35	43.98
95.40	44.46	44.09
95.60	44.73	44.35
95.80	45.04	44.65
96.00	45.11	44.73

距離標(Kp)	計算水位(m)	
	整備計画流量 (サンルダムなし)	整備計画流量 (サンルダムあり)
96.20	45.17	44.79
96.40	45.57	45.18
96.60	45.64	45.24
96.80	45.67	45.29
97.00	45.97	45.61
97.20	46.80	46.40
97.40	46.89	46.50
97.60	46.83	46.39
97.80	47.29	46.89
98.00	47.46	47.09
98.20	47.75	47.38
98.40	48.10	47.71
98.60	48.59	48.22
98.80	48.68	48.30
99.00	48.70	48.31
99.20	49.63	49.25
99.40	49.93	49.56
99.60	49.98	49.63
99.80	50.64	50.24
100.00	50.97	50.56
100.20	51.37	50.96
100.40	51.44	51.04
100.60	52.18	51.77
100.80	51.95	51.59
101.00	52.54	52.14
101.20	52.90	52.59
101.40	53.33	53.06
101.60	53.86	53.54
101.80	53.92	53.61
102.00	54.21	53.87
102.20	54.66	54.27
102.40	54.79	54.41
102.60	54.92	54.53
102.80	54.90	54.51
103.00	55.10	54.71
103.20	55.36	54.94
103.40	55.44	55.03
103.60	55.57	55.16
103.80	55.69	55.27
104.00	55.88	55.45
104.20	55.98	55.54
104.40	56.14	55.70
104.60	56.29	55.83
104.80	56.40	55.93
105.00	56.53	56.05
105.20	56.74	56.26
105.40	56.88	56.40
105.60	56.95	56.49
105.80	57.02	56.55
106.00	56.58	56.14
106.20	57.26	56.76
106.40	57.44	56.94
106.60	57.47	56.97
106.80	57.83	57.35
107.00	58.35	57.86
107.20	58.86	58.36
107.40	59.04	58.54
107.60	59.28	58.78
107.80	59.35	58.86
108.00	59.43	58.94
108.20	59.53	59.03
108.40	59.57	59.08

計算水位は、不等流計算により算出(起算水位は等流計算水位)
旧測地系で表記

天塩川水系天塩川 現況河道 計算水位表

距離標(Kp)	計算水位(m)	
	整備計画流量 (サンルダムなし)	整備計画流量 (サンルダムあり)
108.60	59.71	59.22
108.80	59.79	59.30
109.00	59.76	59.28
109.20	59.81	59.32
109.40	60.01	59.52
109.60	60.30	59.84
109.80	60.44	59.99
110.00	60.67	60.21
110.20	60.86	60.38
110.40	61.41	60.92
110.60	61.63	61.14
110.80	61.76	61.28
111.00	61.79	61.31
111.20	62.03	61.55
111.40	62.38	61.91
111.60	62.47	62.00
111.80	62.60	62.13
112.00	62.81	62.36
112.20	62.98	62.52
112.40	63.24	62.79
112.60	63.31	62.86
112.80	63.39	62.94
113.00	63.54	63.09
113.20	63.63	63.17
113.40	63.95	63.50
113.60	64.06	63.61
113.80	64.56	64.07
114.00	64.83	64.44
114.20	64.90	64.52
114.40	65.52	65.09
114.60	65.83	65.38
114.80	66.10	65.66
115.00	66.24	65.80
115.20	66.41	65.97
115.40	66.70	66.26
115.60	66.82	66.39
115.80	66.89	66.46
116.00	67.01	66.57
116.20	67.01	66.57
116.40	67.02	66.58
116.60	67.31	66.87
116.80	67.38	66.95
117.00	67.36	66.92
117.20	67.43	67.00
117.40	67.56	67.12
117.60	67.72	67.27
117.80	67.85	67.39
118.00	68.04	67.58
118.20	68.33	67.90
118.40	68.29	67.86
118.60	68.50	68.07
118.80	68.72	68.28
119.00	69.16	68.72
119.20	69.34	68.90
119.40	69.65	69.25
119.60	69.80	69.40
119.80	69.91	69.52
120.00	70.07	69.68
120.20	70.07	69.67
120.40	69.92	69.52
120.60	70.02	69.63
120.80	70.34	69.93

距離標(Kp)	計算水位(m)	
	整備計画流量 (サンルダムなし)	整備計画流量 (サンルダムあり)
121.00	70.38	69.98
121.20	70.67	70.23
121.40	70.85	70.40
121.60	71.03	70.57
121.80	71.34	70.88
122.00	71.47	71.00
122.20	71.79	71.34
122.40	71.96	71.53
122.60	72.11	71.68
122.80	72.18	71.75
123.00	72.24	71.81
123.20	72.37	71.93
123.40	72.68	72.25
123.60	72.73	72.33
123.80	73.14	72.72
124.00	73.40	72.98
124.20	73.54	73.12
124.40	73.56	73.15
124.60	73.84	73.43
124.80	73.92	73.51
125.00	74.02	73.61
125.20	74.07	73.66
125.40	74.12	73.71
125.60	74.16	73.75
125.80	74.22	73.80
126.00	74.22	73.81
126.20	74.21	73.79
126.40	74.34	73.93
126.60	74.26	73.84
126.80	74.72	74.35
127.00	74.85	74.48
127.20	74.85	74.48
127.40	75.24	74.87
127.60	75.34	74.96
127.80	75.39	75.02
128.00	75.53	75.15
128.20	75.94	75.58
128.40	75.97	75.61
128.60	76.09	75.74
128.80	76.15	75.81
129.00	76.25	75.91
129.20	76.41	76.07
129.40	76.52	76.16
129.60	76.57	76.22
129.80	77.02	76.65
130.00	77.36	76.97
130.20	77.49	77.11
130.40	77.54	77.16
130.60	77.58	77.20
130.80	77.64	77.26
131.00	77.60	77.22
131.20	77.65	77.27
131.40	78.01	77.63
131.60	78.13	77.76
131.80	78.22	77.85
132.00	78.25	77.88
132.20	78.26	77.90
132.40	78.42	78.06
132.60	78.42	78.05
132.80	78.40	78.04
133.00	78.38	78.10
133.20	78.55	78.28

計算水位は、不等流計算により算出(起算水位は等流計算水位)
旧測地系で表記

天塩川水系天塩川 現況河道 計算水位表

距離標(Kp)	計算水位(m)	
	整備計画流量 (サンルダムなし)	整備計画流量 (サンルダムあり)
133.40	78.85	78.58
133.60	79.19	78.90
133.80	79.70	79.37
134.00	79.92	79.55
134.20	80.32	79.97
134.40	80.62	80.25
134.60	80.70	80.32
134.80	80.85	80.51
135.00	80.89	80.56
135.20	81.05	80.71
135.40	81.10	80.77
135.60	81.33	80.99
135.80	81.54	81.20
136.00	81.81	81.45
136.20	82.08	81.71
136.40	82.10	81.74
136.60	82.48	82.10
136.80	82.66	82.30
137.00	82.50	82.15
137.20	83.03	82.64
137.40	83.17	82.82
137.60	83.30	82.96
137.80	83.59	83.24
138.00	83.70	83.34
138.20	83.67	83.35
138.40	84.00	83.64
138.60	84.23	83.85
138.80	84.34	83.96
139.00	84.63	84.27
139.20	84.80	84.42
139.40	84.74	84.27
139.60	84.72	84.49
139.80	85.97	85.60
140.00	86.41	86.07
140.20	86.73	86.40
140.40	86.97	86.62
140.60	87.00	86.65
140.80	87.22	86.86
141.00	87.26	86.89
141.20	87.50	87.11
141.40	87.47	87.10
141.60	87.61	87.22
141.80	87.88	87.50
142.00	88.02	87.63
142.20	88.06	87.68
142.40	88.31	87.92
142.60	88.55	88.14
142.80	88.51	88.11
143.00	88.71	88.29
143.20	88.76	88.36
143.40	89.26	88.88
143.60	89.71	89.28
143.80	89.97	89.56
144.00	90.27	89.85
144.20	90.54	90.10
144.40	90.84	90.38
144.60	91.08	90.61
144.80	91.10	90.64
145.00	91.36	90.89
145.20	91.55	91.08
145.40	91.72	91.25
145.60	91.83	91.37

距離標(Kp)	計算水位(m)	
	整備計画流量 (サンルダムなし)	整備計画流量 (サンルダムあり)
145.80	92.25	91.74
146.00	92.47	91.95
146.20	92.55	92.05
146.40	92.62	92.13
146.60	92.76	92.27
146.80	92.75	92.26
147.00	93.02	92.55
147.20	93.23	92.76
147.40	93.37	92.90
147.60	93.50	93.02
147.80	93.51	93.04

計算水位は、不等流計算により算出(起算水位は等流計算水位)
旧測地系で表記

天塩川水系名寄川 現況河道 計算水位表

距離標(Kp)	計算水位(m)	
	整備計画流量 (サンルダムなし)	整備計画流量 (サンルダムあり)
0.60	94.64	93.54
0.80	95.04	93.94
1.00	95.10	94.00
1.20	95.13	94.04
1.40	95.18	94.10
1.60	95.22	94.14
1.80	95.27	94.22
2.00	95.32	94.28
2.20	95.31	94.26
2.40	95.37	94.34
2.60	95.51	94.58
2.80	95.60	94.73
3.00	95.86	95.19
3.20	96.32	95.73
3.40	96.79	96.23
3.60	97.47	96.85
3.80	97.43	96.79
4.00	97.97	97.49
4.20	98.07	97.58
4.40	99.32	98.79
4.60	99.58	99.08
4.80	99.84	99.33
5.00	100.07	99.55
5.20	100.31	99.78
5.40	100.54	100.03
5.60	100.64	100.19
5.80	101.34	100.86
6.00	101.75	101.22
6.20	102.17	101.63
6.40	102.55	102.05
6.60	103.03	102.46
6.80	103.70	103.14
7.00	104.49	103.91
7.20	104.51	103.92
7.40	104.82	104.26
7.60	105.10	104.54
7.80	105.52	104.92
8.00	105.93	105.33
8.20	106.68	106.01
8.40	106.79	106.21
8.60	107.26	106.60
8.80	107.74	107.10
9.00	107.93	107.31
9.20	108.20	107.57
9.40	108.80	108.16
9.60	109.19	108.52
9.80	109.18	108.51
10.00	109.89	109.22
10.20	110.21	109.55
10.40	110.36	109.72
10.60	110.41	109.81
10.80	111.02	110.47
11.00	112.06	111.36
11.20	112.13	111.40

距離標(Kp)	計算水位(m)	
	整備計画流量 (サンルダムなし)	整備計画流量 (サンルダムあり)
11.40	112.63	111.96
11.60	113.07	112.43
11.80	113.24	112.59
12.00	113.70	113.22
12.20	113.95	113.46
12.40	114.61	114.08
12.60	116.16	115.44
12.80	116.43	115.69
13.00	116.66	115.91
13.20	117.01	116.23
13.40	117.14	116.37
13.60	117.28	116.55
13.80	117.37	116.68
14.00	117.75	117.13
14.20	118.28	117.64
14.40	118.37	117.79
14.60	118.47	117.93
14.80	119.82	119.19
15.00	119.85	119.21
15.20	120.22	119.60
15.40	120.75	120.15
15.60	121.04	120.44
15.80	121.31	120.73
16.00	121.83	121.23
16.20	121.80	121.19
16.40	121.88	121.28
16.60	122.27	121.75
16.80	123.01	122.41
17.00	123.33	122.71
17.20	123.39	122.82
17.40	123.43	122.95
17.60	124.27	123.68
17.80	125.20	124.68
18.00	125.36	124.88
18.20	125.52	125.03
18.40	126.22	125.73
18.60	126.55	126.06
18.80	126.86	126.38
19.00	127.26	126.77
19.20	127.62	127.10
19.40	128.11	127.59
19.60	129.21	128.59
19.80	129.62	129.07
20.00	130.67	129.98
20.20	131.53	130.85
20.40	131.59	131.01
20.60	132.54	132.18
20.80	133.37	132.90
21.00	133.53	133.06
21.20	134.22	133.79

計算水位は、不等流計算により算出(起算水位は等流計算水位)
旧測地系で表記