

Lampiran 1 *Control file* pada SSIIM

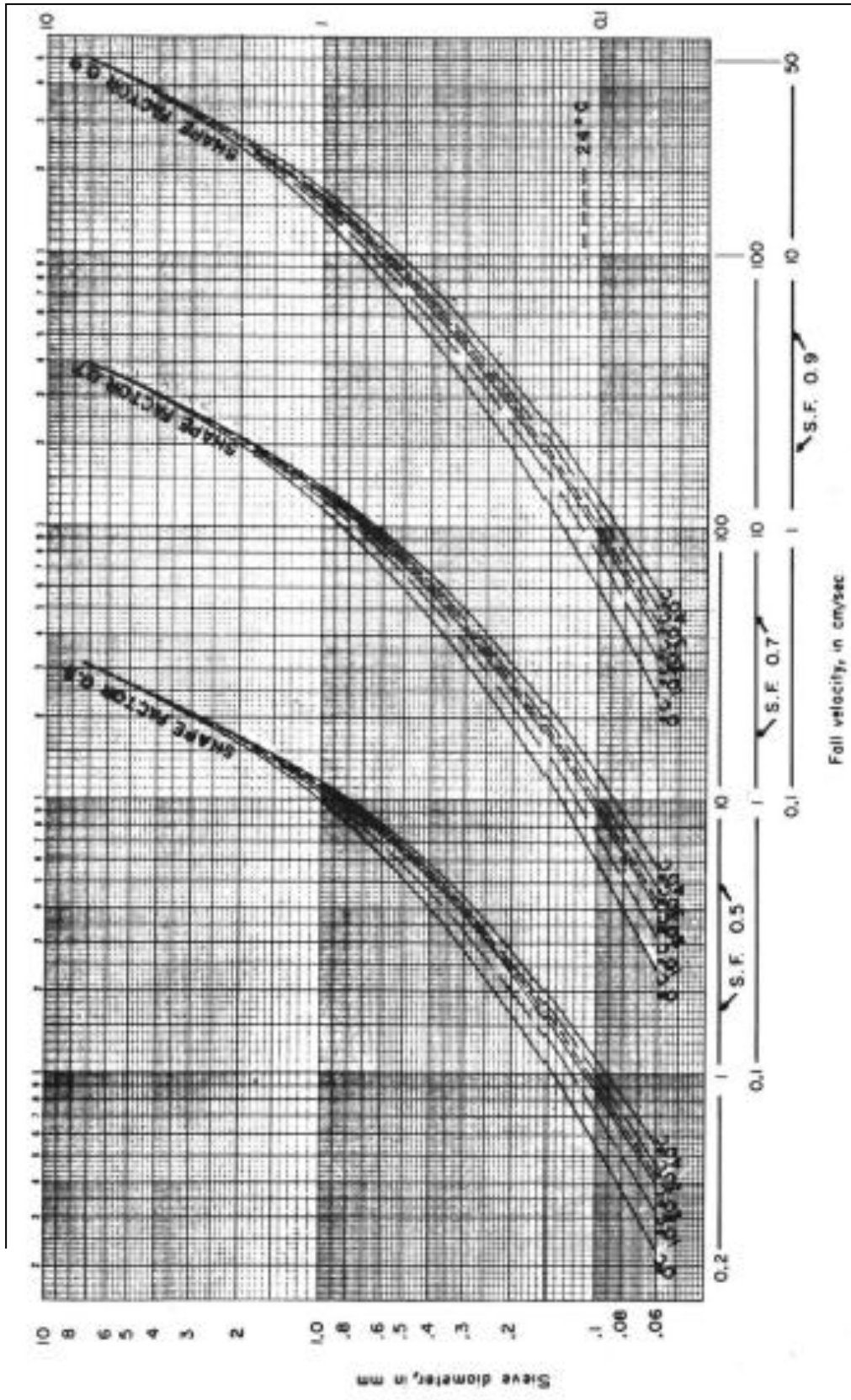
```

control - Notepad
File Edit Format View Help
T          title field
F 2        run choice
F 4 0.500000 50 0.010000 morphology data
F 6 0.025 1.5 0.3      coefficient for van Rijn
F 7        run options
F 10 R     van Rijn formula
F 11 2.650000 -0.047000 density of sediments and shields coefficient of
F 16 -2.000000 roughness in meters
F 33 420 30          time step, inner iterations
F 36 7            free water surface
F 37 2            transient set calculation
F 64 11          grid generation algorithm
F 70 1            no wall-laws on sides
F 94 0.3 10.0     minimum cellsize
F 102 1          wetting/drying
F 105 7          water update
F 106 0.5        active sediment layer
F 113 7          stabilize triangle cells
F 139 8.5 0.1    minimum value of u+
F 147 80 0 1 0.2 1.0 1.0 extrapolation
F 159 1 2 0 1 5  avoiding grid problem
F 164 31         consistent solver
F 168 9          multigridsolver
F 178 4          smoothing function for the water surface
F 179 1 1        upwind function for free water surface comp.
F 187 -1         special boundary conditions for water surface
F 200 1 0.1 0.1  k and epsilon
F 206 2          maximum processors
F 219 4          flushing
F 222 3          avoiding inflow/outflow-area sedimentation
F 224 100.0     surface residual
F 233 7          depth-averaged pressure field
F 235 10         lower relaxation for triangle cell
F 246 1 1 -1 0.01 surface limiters
G 1 300 300 11 1 grid and array sizes

G 3 121.290000 122.720000 124.150000 125.580000 127.010000 128.440000 129.870000
S 1 0.0000570 0.0038          sedimen fraction size, fall velocity
S 1 0.0000228 0.0026          sedimen fraction size, fall velocity
S 1 0.0000557 0.0037          sedimen fraction size, fall velocity
S 1 0.0001887 0.0098          sedimen fraction size, fall velocity
P 2 1.000000 1.000000 1.000000 0.000000 0.000000
P 3 2 2 2 1
K 1 40000 50000          number of iterations for flow
K 2 0 1          coeffisien for influence of surface/banks
K 3 0.800000 0.800000 0.800000 0.200000 0.500000 0.500000 relaxation coefficient
K 4 1 1 1 5 1 1
K 5 0 0 0 10 0 0          block corection
K 6 1 1 1 0 0 0          water flow educations
N 1 1 0.06          bed sediments
B 0 0 0 0

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Lampiran 2



Grafik hubungan antara ukuran sedimen dan kecepatan jatuh

Lampiran 3



Proses flushing pada Bendung Lodoyo



Pengerukan Sedimen dengan alat bantu pada pintu PLTA



Kondisi Bendung Lodoyo setelah dilakukan *flushing*