



Screen Buildup in Linear Flume



FACILITIES

20ft long , 3ft wide and 4ft deep

Closed loop flow with new 5HP Pump

Only 1' wide section used in the tests

Clear Plexiglas side panel on one side

Flow straightner and diffuser at source

Study Head loss due to Nukon and Calsil





Test Setup Movie



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Head Loss Tests



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Debris Buildup on Screen



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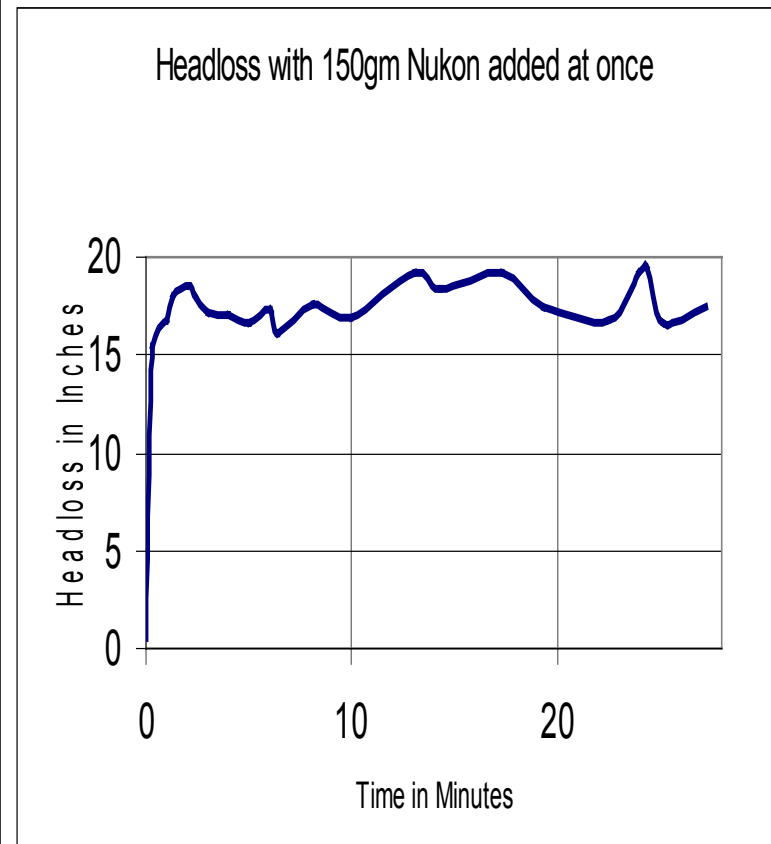
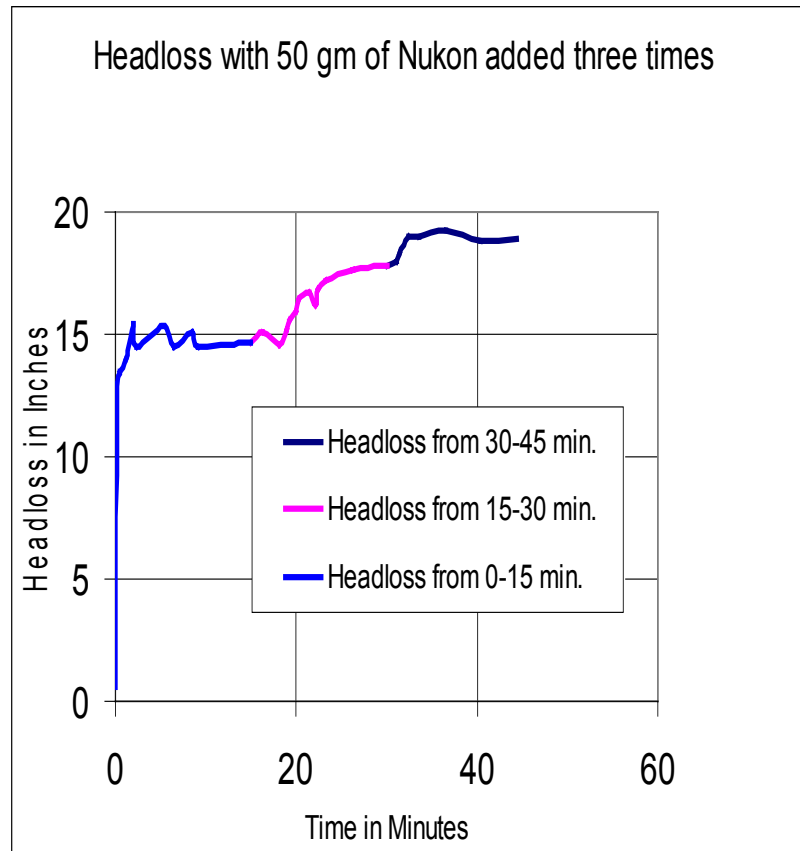




Head Loss with high flow (990gpm)



50 gm each Nukon added in 3 steps 150 gm Nukon added in 1 step



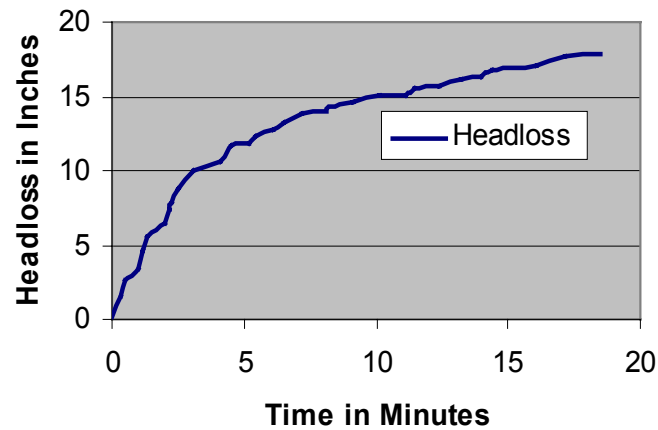


Head Loss at Intermediate Flow 560gpm

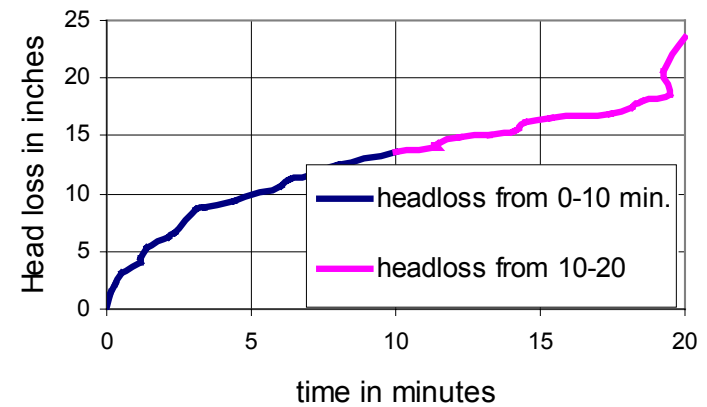


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Headloss with Q= 560gpm (20 gms. Nukon)



Headloss with 10gm Nukon
2 gm Calcium Silicate at 10 min





Head Loss at Low Flow 235 gpm



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