Adding an additional Parameter to the Status and Trend Tool

Parameter adding: Total Suspended Solids

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| **R.script** | **Function** | **Comments/Explanation** |
| 01\_DataQuery.R | laserQuery | Added ‘Total Suspended Solids’ to qryParms after viewing unique analytes (Paramter\_NM) in XLU\_LASAR\_PARAMETERS and verifying that ‘Total Suspended Solids’ was only way of writing analyte name |
| 01\_DataQuery.R | elementQuery | Added ‘Total Suspended Solids’ to qryParms |
| 01\_DataQuery.R | wqpData | Go to: [www.waterqualitydata.us/portal](http://www.waterqualitydata.us/portal) to find how the water quality portal writes the parameter, in this case ‘Total suspended solids’. Add name difference to look up table in the tool folder. |
| 01\_DataQuery.R | wqpData | Update sampleMedia if different, in this case changed to ‘Sediment’ |
| 01\_DataQuery.R | nwisData | Look up parameter code:  Total suspended solids: 00530, 70293, 70299; group name: physical, units: mg/l |
| ui.R | shinyUI(fluidPage( LN 34 ) | Add TSS to list of parms |
| server.R | Run seasonal kendall, LN 254 | Add TSSS to input parms |
| funHelpers.R | Create: EvaluateTSSWQS | Note: WQS dependent on user input (input$selectWQSTSS) |
| funPlots.R | Create: plot.TSS | Note: WQS dependent on user input (input$selectWQSTSS) |
| FunHelpers.R | EvaluateTSSWQS | Create EvaluateTSSWQS which outputs new\_data and exceedance table |
| FunHelpers.R and Server.R | Generate\_exceed\_df | Add necessary inputs and dataframes to function input |
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