|  |  |  |
| --- | --- | --- |
| **Symmetric** | **Asymmetric IWFM Q** | **Asymmetric IWFM H** |
| **INPUT DATA**  Hgw = 40.788300  Hstream = 17.764120  Wper = 34.438990  ELEVdisc = 16.580000  K\_cl = 0.338580  e\_cl = 1.000000  h\_ce = 1.955710  ELEVbot = -3079.290000  Kh = 153.558000  Kv = 3.617450  Gsafe = 2055.500630  L = 1595.623050  HsimL = 44.133900  HsimR = 40.110980  AL = 2720775.932590  AR = 559028.252630  QL = -1831263.900240  QR = -51053.686200  φ = 0.177370 |  |  |
| **River stage**  = 0.1841 |  |  |
| =  3122.034 |  |  |
| **Normalized wetter perimeter and depth**  = 0.011031  = 0.000059 |  |  |
| **Coefficients a1 a2**  = 0.89  = -2.43 |  |  |
| **Equivalent river width & Bsafe**  = 34.07075  = 17.035375 |  |  |
|  | **Calculate Heads left and right**  **Fractions:**  fL = 0.829554 , fR = 0.170446  hL = 41.347330, hR = 38.067514  hmean = 39.707422 | These are interpolated heads  hL = 44.1339, hR = 40.110980  hmean = 42.122440 |
|  |  |  |
| Kappa = 0.982822  = 0.198864 | = 0.219709  = 0.174651 | = 0.221730  = 0.171881 |
| = 0.198874 | =  0.219721  =  0.174660 | = 0.221742  = 0.171890 |
| **Anisotropy**  = 0.153485  = 11.030616  = 0.603558  = 0.691916 |  |  |
| = 0.062271 | = 0.064177  =0.059680 | = 0.064349  = 0.059353 |
| = 0.043086 | = 0.044405  = 0.041294 | = 0.044524  = 0.041067 |
| =  0.25\*2055.5 - 17.035375 – 2\*3122.034010/0.153485 =  -40185.186910 | =  -39846.487290  *=*  -40523.886529 |  |
| = 0.096732 | = 0.102492  = 0.088993 | = 0.103126  = 0.087949 |
| Clogging Layer  = 0.027266 | = 0.030515  = 0.023796 | = 0.030880  = 0.023386 |
| **SAFE Conductance**  (30 to convert it to monthly) =  400837.097527 | Left: 224305.843159  Right: 174918.658084  Total: 399224.501243 | Left: 226983.905786  Right: 171899.612483  Total: 398883.518269 |
| Incipient Desaturation  =13.391905 |  |  |
| Head difference  =  -23.0242 |  |  |
| SPD = 400837.097527\*-23.0242 =  -9228945.484144 | Left: 224305.843159\*-23.0242 =  -5164462.594061  Right = 174918.658084\*-23.0242=  -4027362.167458  Total = -9191824.761519 | Left: 226983.905786\*-23.0242 =  -5226122.843598  Right = 171899.612483\*-23.0242=  -3957851.057731  Total = -9183973.901329 |