Sigatoka 42000

H = 18.5m
Q = 300m³/s

Sigatoka 42500

H = 19m
Q = 2900m³/s

Sigatoka 43000

Sigatoka 43500

H = 23.8m
Q = 5500m³/s

Sigatoka 44000

Sigatoka 44500

H = 24m
Q = 5500m³/s

Discharge (m³/s)

Sigatoka 42000 H = 18.5m Q = 3000m³/s Discharge (m³/s)

Sigatoka 42500 H = 19m Q = 2900m³/s Discharge (m³/s)

Sigatoka 43000 H = 23.12m Q = 5500m³/s Discharge (m³/s)

Sigatoka 43500 H = 23.8m Q = 5500m³/s Discharge (m³/s)

Sigatoka 44000 H = 24.31m Q = 6100m³/s Discharge (m³/s)

Sigatoka 44500 H = 24m Q = 5500m³/s Discharge (m³/s)

Sigatoka 45000

H = 24.22m
Q = 5700m³/s

Sigatoka 45500

H = 24.98m
Q = 6100m³/s

Sigatoka 46000

Sigatoka 46500

H = 24.16m
Q = 5500m³/s

Sigatoka 47000

H = 21m
Q = 3200m³/s

Sigatoka 47500

H = 21m
Q = 3000m³/s

Sigatoka 45000

H = 24.32m
Q = 5700m³/s

Sigatoka 45500

H = 24.98m
Q = 6100m³/s

Sigatoka 46000

H = 23.45m
Q = 4900m³/s

Sigatoka 46500

H = 24.16m
Q = 5500m³/s

Sigatoka 47000

H = 21m
Q = 3200m³/s

Sigatoka 47500

H = 21m
Q = 3000m³/s

Sigatoka 48000

Sigatoka 48500

$H = 21m$
$Q = 2900m^3/s$

Sigatoka 49000

Sigatoka 49500

$H = 21m$
$Q = 2600m^3/s$

Sigatoka 50000

Sigatoka 48000
H = 21m
Q = 3000m³/s
Discharge (m³/s)

Sigatoka 48500
H = 21m
Q = 2900m³/s
Discharge (m³/s)

Sigatoka 49000
H = 21m
Q = 2900m³/s
Discharge (m³/s)

Sigatoka 49500
H = 21m
Q = 2600m³/s
Discharge (m³/s)

Sigatoka 50000
H = 21m
Q = 2600m³/s
Discharge (m³/s)

* * * Legend * * *

NAME ...... Section Name

DELTX .... Distance (M)

Q .... Discharge (M3/S)

H .... Stage (M)

V.H ...... Velocity Head (M) : V.H = ALPHA * V**2 / 19.6

TOTAL E ... Total Energy Head (M) : TOTAL E = H + V.H.

IE .... Energy Gradient : IE = (N*Q/(A*R**(2/3)))**2

A .... Discharge Area (M2)

B .... Width of Water Surface (M)

R .... Hydraulic Radius (M)

A/B ...... Hydraulic Depth (M)

N .... Roughness Coefficient

ALPHA .... Rectification Coefficient

V .... Velocity (M/S) : V = Q / A

FR .... Froude Number : FR = V/SQRT(9.8*(A/B)/ALPHA)

"Non-Uniform Flow, 0m3/s, Sigatoka"

NAME	DELTX (M)	Q (M3/S)	H (M)	V.H (M)	TOTAL E (M)	IE	A (M2)	B (M)	R (M)	A/B (M)	N	ALPHA	V (M/S)	FR
SIGA 600	0.0	.00	1.000	.000	1.000	.13233E-20	549.594	298.81	1.84	1.84	.0300	1.00	.00	.00
SIGA 1000	400.0	.00	1.000	.000	1.000	.25369E-20	453.118	299.80	1.51	1.51	.0300	1.00	.00	.00
SIGA 1185	185.0	.00	1.000	.000	1.000	.22173E-21	1205.817	557.94	2.16	2.16	.0300	1.00	.00	.00
SIGA 1500	315.0	.00	1.000	.000	1.000	.42104E-21	1015.248	587.27	1.73	1.73	.0300	1.00	.00	.00
SIGA 2000	500.0	.00	1.000	.000	1.000	.86582E-21	704.888	404.99	1.74	1.74	.0300	1.00	.00	.00
SIGA 2500	500.0	.00	1.000	.000	1.000	.67669E-21	754.675	398.90	1.89	1.89	.0300	1.00	.00	.00
SIGA 3000	500.0	.00	1.000	.000	1.000	.92818E-21	678.379	387.46	1.75	1.75	.0300	1.00	.00	.00

Label	Index			.00	.00	1.00	.0300	col5	col6	col7	col8	E-value	1.000	.000	.000	.00
SIGA	3500	500.0	0.0	.00	.00	1.00	.0300	1.38	1.38	375.39	519.837	.21638E-20	1.000	1.000	.000	.00
SIGA	4000	500.0	0.0	.00	.00	1.00	.0300	2.09	2.08	236.79	494.070	.13843E-20	1.000	1.000	.000	.00
SIGA	4500	500.0	0.0	.00	.00	1.00	.0300	2.64	2.63	228.04	601.090	.68644E-21	1.000	1.000	.000	.00
SIGA	5000	500.0	0.0	.00	.00	1.00	.0300	1.93	1.92	262.22	504.935	.14788E-20	1.000	1.000	.000	.00
SIGA	5500	500.0	0.0	.00	.00	1.00	.0300	2.22	2.21	228.29	506.004	.12239E-20	1.000	1.000	.000	.00
SIGA	6000	500.0	0.0	.00	.00	1.00	.0300	2.70	2.67	183.88	495.829	.98824E-21	1.000	1.000	.000	.00
SIGA	6500	500.0	0.0	.00	.00	1.00	.0300	1.79	1.79	233.81	419.587	.23514E-20	1.000	1.000	.000	.00
SIGA	7000	500.0	0.0	.00	.00	1.00	.0300	1.34	1.34	251.21	337.787	.53295E-20	1.000	1.000	.000	.00
SIGA	7500	500.0	0.0	.00	.00	1.00	.0300	1.23	1.23	241.92	298.234	.76820E-20	1.000	1.000	.000	.00
SIGA	8000	500.0	0.0	.00	.00	1.00	.0300	1.92	1.91	182.17	349.209	.31220E-20	1.000	1.000	.000	.00
SIGA	8500	500.0	0.0	.00	.00	1.00	.0300	5.72	5.53	83.54	478.177	.40232E-21	1.000	1.000	.000	.00
SIGA	9000	500.0	0.0	.00	.00	1.00	.0300	1.60	1.59	181.69	289.972	.57847E-20	1.000	1.000	.000	.00
SIGA	9500	500.0	0.0	.00	.00	1.00	.0300	2.17	2.16	162.85	353.603	.25810E-20	1.000	1.000	.000	.00
SIGA	10000	500.0	0.0	.00	.00	1.00	.0300	1.60	1.59	147.23	235.407	.87446E-20	1.000	1.000	.000	.00
SIGA	10500	500.0	0.0	.00	.00	1.00	.0300	1.51	1.51	150.47	227.503	.10069E-19	1.000	1.000	.000	.00
SIGA	11000	500.0	0.0	.00	.00	1.00	.0300	2.02	2.01	138.59	280.366	.45118E-20	1.000	1.000	.000	.00
SIGA	11500	500.0	0.0	.00	.00	1.00	.0300	2.33	2.30	140.11	327.058	.27704E-20	1.000	1.000	.000	.00
SIGA	12000	500.0	0.0	.00	.00	1.00	.0300	2.64	2.61	86.56	228.884	.47715E-20	1.000	1.000	.000	.00
SIGA	12500	500.0	0.0	.00	.00	1.00	.0300	1.50	1.49	129.35	193.516	.14151E-19	1.000	1.000	.000	.00
SIGA	13000	500.0	0.0	.00	.00	1.00	.0300	2.10	2.08	109.20	228.850	.64655E-20	1.000	1.000	.000	.00
SIGA	13500	500.0	0.0	.00	.00	1.00	.0300	2.24	2.23	99.29	222.519	.62461E-20	1.000	1.000	.000	.00
SIGA	14000	500.0	0.0	.00	.00	1.00	.0300	2.19	2.17	85.89	188.414	.90327E-20	1.000	1.000	.000	.00
SIGA	14500	500.0	0.0	.00	.00	1.00	.0300	3.67	3.61	85.48	314.036	.16453E-20	1.000	1.000	.000	.00
SIGA	15000	500.0	0.0	.00	.00	1.00	.0300	1.74	1.73	109.55	190.554	.11969E-19	1.000	1.000	.000	.00
SIGA	15500	500.0	0.0	.00	.00	1.00	.0300	1.49	1.48	122.85	183.163	.15921E-19	1.000	1.000	.000	.00
SIGA	16000	500.0	0.0	.00	.00	1.00	.0300	1.53	1.52	117.20	179.474	.16007E-19	1.000	1.000	.000	.00
SIGA	16500	500.0	0.0	.00	.00	1.00	.0300	1.87	1.86	116.92	151.360	.28140E-19	1.000	1.000	.000	.00
SIGA	17000	500.0	0.0	.00	.00	1.00	.0300	1.29	1.29	86.89	162.412	.14966E-20	1.000	1.000	.000	.00
SIGA	17500	500.0	0.0	.00	.00	1.00	.0300	1.87	1.87	96.31	256.800	.38014E-20	1.000	1.000	.000	.00
SIGA	18000	500.0	0.0	.00	.00	1.00	.0300	2.67	2.61	95.24	154.861	.19998E-19	1.000	1.000	.000	.00
SIGA	18500	500.0	0.0	.00	.00	1.00	.0300	1.63	1.60	64.82	93.404	.64433E-19	1.000	1.000	.000	.00
SIGA	19000	500.0	0.0	.00	.00	1.00	.0300	1.44	1.42	92.23	49.931	.84030E-18	1.000	1.000	.000	.00
SIGA	19500	500.0	0.0	.00	.00	1.00	.0300	.54	.53	81.34	187.246	.85631E-20	1.000	1.000	.000	.00
SIGA	20000	500.0	0.0	.00	.00	1.00	.0300	2.30	2.28	103.38	69.246	.32169E-18	1.000	1.000	.000	.00
SIGA	20500	500.0	0.0	.00	.00	1.00	.0300	.67	.67	91.19	75.465	.20399E-18	1.000	1.000	.000	.00
SIGA	21000	500.0	0.0	.00	.00	1.00	.0300	.83	.83	53.43	39.435	.87609E-18	1.000	1.000	.000	.00
SIGA	21500	500.0	0.0	.00	.00	1.00	.0300	.74	.73	69.27	103.152	.50246E-19	1.000	1.000	.000	.00
SIGA	22000	500.0	0.0	.00	.00	1.00	.0300	1.49	1.48	58.34	57.279	.28314E-18	1.000	1.000	.000	.00
SIGA	22500	500.0	0.0	.00	.00	1.00	.0300	.98	.98	71.60	42.938	.10044E-17	1.000	1.000	.000	.00
SIGA	23000	500.0	0.0	.00	.00	1.00	.0300	.60	.58	52.62	85.477	.65384E-19	1.000	1.000	.000	.00
SIGA	23500	500.0	0.0	.00	.00	1.00	.0300	1.62	1.61	63.44	56.660	.33219E-18	1.000	1.000	.000	.00
SIGA	24000	500.0	0.0	.00	.00	1.00	.0300	.89	.88	55.57	48.671	.45754E-18	1.000	1.000	.000	.00
SIGA	24500	500.0	0.0	.00	.00	1.00	.0300	.88	.87	86.56	195.059	.81191E-20	1.000	1.000	.000	.00
SIGA	25000	500.0	0.0	.00	.00	1.00	.0300	3.18	2.23	52.33	166.298	.72426E-20	1.000	1.000	.000	.00
SIGA	25500	500.0	0.0	.00	.00	1.00	.0300	.43	3.09	47.51	20.471	.68416E-17	1.000	1.000	.000	.00
SIGA	26000	500.0	0.0	.00	.00	1.00	.0300	.27	.42	33.26	8.980	.93590E-16	1.000	1.000	.000	.00
SIGA	26500	500.0	0.0	.00	.00	1.00	.0300	.35	.20	74.81	26.248	.54024E-17	1.000	1.000	.000	.00
SIGA	27000	500.0	0.0	.00	.00	1.00	.0300	.48	.34	49.52	23.539	.44404E-17	1.000	1.000	.000	.00
SIGA	27500	500.0	0.0	.00	.00	1.00	.0300	.30	.47	35.18	10.728	.38990E-16	1.000	1.000	.000	.00
SIGA	28000	500.0	0.0	.00	.00	1.00	.0300	.13	.30	1.73	.226	.22713E-11	1.580	1.580	1.580	.00
SIGA	28500	500.0	0.0	.00	.00	1.00	.0300	.95	.94	40.31	38.206	.67107E-18	1.580	1.580	1.580	.00

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SIGA	29000	500.0	.00	1.580	.000	1.580	.38687E-16	15.829	61.00	.17	.26	.0300	1.00	.00	.00	.00
SIGA	29500	500.0	.00	1.580	.000	1.580	.43647E-18	43.475	38.37	1.07	1.13	.0300	1.00	.00	.00	.00
SIGA	30000	500.0	.00	1.580	.000	1.580	.12902E-18	55.903	29.33	1.83	1.91	.0300	1.00	.00	.00	.00
SIGA	30500	500.0	.00	1.580	.000	1.580	.45676E-16	9.480	27.59	.32	.34	.0300	1.00	.00	.00	.00
SIGA	31000	500.0	.00	1.580	.000	1.580	.36338E-16	10.182	27.73	.34	.37	.0300	1.00	.00	.00	.00
SIGA	31500	500.0	.00	1.580	.000	1.580	.62891E-19	73.725	34.35	2.07	2.15	.0300	1.00	.00	.00	.00
SIGA	32000	500.0	.00	3.260	.000	3.260	.24334E-11	.225	3.46	.02	.06	.0300	1.00	.00	.00	.00
SIGA	32500	500.0	.00	4.140	.000	4.140	.23900E-11	.181	2.31	.04	.08	.0300	1.00	.00	.00	.00
SIGA	33000	500.0	.00	4.140	.000	4.140	.93581E-14	2.236	22.27	.05	.10	.0300	1.00	.00	.00	.00
SIGA	33500	500.0	.00	4.140	.000	4.140	.18995E-17	35.340	72.95	.48	.43	.0300	1.00	.00	.00	.00
SIGA	34000	500.0	.00	4.140	.000	4.140	.94668E-14	1.202	8.39	.13	.14	.0300	1.00	.00	.00	.00
SIGA	34500	500.0	.00	4.140	.000	4.140	.33493E-18	49.028	44.56	1.09	1.10	.0300	1.00	.00	.00	.00
SIGA	35000	500.0	.00	4.140	.000	4.140	.51369E-18	51.221	68.30	.74	.75	.0300	1.00	.00	.00	.00
SIGA	35500	500.0	.00	4.140	.000	4.140	.55958E-18	47.762	61.11	.77	.78	.0300	1.00	.00	.00	.00
SIGA	36000	500.0	.00	5.490	.000	5.490	.55970E-10	.047	1.57	.02	.03	.0300	1.00	.00	.00	.00
SIGA	36500	500.0	.00	5.490	.000	5.490	.49004E-16	10.560	37.85	.26	.28	.0300	1.00	.00	.00	.00
SIGA	37000	500.0	.00	5.950	.000	5.950	.19168E-17	.728	7.00	.94	.10	.0300	1.00	.00	.00	.00
SIGA	37500	500.0	.00	5.950	.000	5.950	.19779E-17	22.169	22.76	.45	.97	.0300	1.00	.00	.00	.00
SIGA	38000	500.0	.00	5.950	.000	5.950	.20434E-16	11.320	24.79	.03	.46	.0300	1.00	.00	.00	.00
SIGA	38500	500.0	.00	6.850	.000	6.850	.47049E-12	.509	13.28	1.01	.04	.0300	1.00	.00	.00	.00
SIGA	39000	500.0	.00	6.850	.000	6.850	.11672E-17	27.501	26.48	.25	1.04	.0300	1.00	.00	.00	.00
SIGA	39500	500.0	.00	6.850	.000	6.850	.69744E-16	8.947	33.35	1.09	.27	.0300	1.00	.00	.00	.00
SIGA	40000	500.0	.00	6.850	.000	6.850	.16653E-17	21.963	19.52	.03	1.13	.0300	1.00	.00	.00	.00
SIGA	40500	500.0	.00	7.780	.000	7.780	.76499E-13	1.056	11.45	.63	.09	.0300	1.00	.00	.00	.00
SIGA	41000	500.0	.00	7.780	.000	7.780	.59649E-17	16.749	26.06	.35	.64	.0300	1.00	.00	.00	.00
SIGA	41500	500.0	.00	7.780	.000	7.780	.27178E-16	11.637	33.25	.91	.35	.0300	1.00	.00	.00	.00
SIGA	42000	500.0	.00	7.780	.000	7.780	.77822E-18	36.177	39.23	.19	.92	.0300	1.00	.00	.00	.00
SIGA	42500	500.0	.00	7.780	.000	7.780	.27460E-14	1.763	8.81	.54	.20	.0300	1.00	.00	.00	.00
SIGA	43000	500.0	.00	7.780	.000	7.780	.17228E-16	10.951	19.18	.03	.57	.0300	1.00	.00	.00	.00
SIGA	43500	500.0	.00	9.130	.000	9.130	.22165E-13	2.146	57.69	.30	.04	.0300	1.00	.00	.00	.00
SIGA	44000	500.0	.00	9.130	.000	9.130	.13075E-16	18.495	61.62	.71	.30	.0300	1.00	.00	.00	.00
SIGA	44500	500.0	.00	9.130	.000	9.130	.17832E-17	28.251	39.49	.33	.72	.0300	1.00	.00	.00	.00
SIGA	45000	500.0	.00	9.130	.000	9.130	.14104E-14	1.674	4.40	.04	.38	.0300	1.00	.00	.00	.00
SIGA	45500	500.0	.00	9.760	.000	9.760	.44432E-11	.167	3.03	.16	.05	.0300	1.00	.00	.00	.00
SIGA	46000	500.0	.00	10.800	.000	10.800	.18817E-12	.587	3.99	.03	.15	.0300	1.00	.00	.00	.00
SIGA	46500	500.0	.00	10.800	.000	10.800	.13592E-14	2.749	13.54	.03	.20	.0300	1.00	.00	.00	.00
SIGA	47000	500.0	.00	10.880	.000	10.880	.23028E-12	.627	3.98	.02	.16	.0300	1.00	.00	.00	.00
SIGA	47500	500.0	.00	11.320	.000	11.320	.27755E-12	.546	16.23	.03	.03	.0300	1.00	.00	.00	.00
SIGA	48000	500.0	.00	11.970	.000	11.970	.33912E-11	.191	4.77	.02	.04	.0300	1.00	.00	.00	.00
SIGA	48500	500.0	.00	12.300	.000	12.300	.42432E-12	.474	11.09	.03	.04	.0300	1.00	.00	.00	.00
SIGA	49000	500.0	.00	12.800	.000	12.800	.78412E-15	5.432	26.00	.09	.21	.0300	1.00	.00	.00	.00
SIGA	49500	500.0	.00	12.800	.000	12.800	.90924E-17	16.869	37.08	.45	.45	.0300	1.00	.00	.00	.00
SIGA	50000	500.0	.00	12.800	.000	12.800	.49412E-18	40.245	36.42	1.09	1.10	.0300	1.00	.00	.00	.00

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* * * Legend * * *

NAME ...... Section Name

DELTX ..... Distance (M)

Q .... Discharge (M3/S)

H .... Stage (M)

V.H ...... Velocity Head (M) : V.H = ALPHA * V**2 / 19.6

TOTAL E ... Total Energy Head (M) : TOTAL E = H + V.H.

IE .... Energy Gradient : IE = (N*Q/(A*R**(2/3)))**2

A .... Discharge Area (M2)

B .... Width of Water Surface (M)

R .... Hydraulic Radius (M)

A/B ...... Hydraulic Depth (M)

N .... Roughness Coefficient

ALPHA .... Rectification Coefficient

V .... Velocity (M/S) : V = Q / A

FR .... Froude Number : FR = V/SQRT(9.8*(A/B)/ALPHA)

"Non-Uniform Flow, 100m3/s, Sigatoka"

NAME	DELTX (M)	Q (M3/S)	H (M)	V.H (M)	TOTAL E (M)	IE	A (M2)	B (M)	R (M)	A/B (M)	N	ALPHA	V (M/S)	FR
SIGA	600 .0	100.00	1.000	.002	1.002	.13233E-04	549.594	298.81	1.84	1.84	.0300	1.00	.18	.04
SIGA	1000 400.0	100.00	1.007	.002	1.009	.24990E-04	455.180	299.81	1.51	1.52	.0300	1.00	.22	.06
SIGA	1185 185.0	100.00	1.012	.000	1.012	.21797E-05	1212.238	558.17	2.17	2.17	.0300	1.00	.08	.02
SIGA	1500 315.0	100.00	1.012	.000	1.013	.41126E-05	1022.517	587.39	1.74	1.74	.0300	1.00	.10	.02
SIGA	2000 500.0	100.00	1.015	.001	1.016	.84187E-05	710.958	405.15	1.75	1.75	.0300	1.00	.14	.03
SIGA	2500 500.0	100.00	1.019	.001	1.020	.65481E-05	762.196	398.94	1.91	1.91	.0300	1.00	.13	.03
SIGA	3000 500.0	100.00	1.023	.001	1.024	.88967E-05	687.103	387.49	1.77	1.77	.0300	1.00	.15	.03

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SIGA	3500	500.0	100.00	1.029	.002	1.031	.201198E-04	530.747	375.46	1.41	1.41	.0300	1.00	.19	.05
SIGA	4000	500.0	100.00	1.037	.002	1.039	.13065E-04	502.882	236.95	2.12	2.12	.0300	1.00	.20	.04
SIGA	4500	500.0	100.00	1.043	.001	1.044	.65122E-05	610.846	228.17	2.67	2.68	.0300	1.00	.16	.03
SIGA	5000	500.0	100.00	1.047	.002	1.049	.13652E-04	517.310	262.34	1.97	1.97	.0300	1.00	.19	.04
SIGA	5500	500.0	100.00	1.053	.002	1.055	.11315E-05	518.206	228.43	2.26	2.27	.0300	1.00	.20	.04
SIGA	6000	500.0	100.00	1.059	.002	1.060	.92112E-05	506.585	184.00	2.73	2.75	.0300	1.00	.23	.04
SIGA	6500	500.0	100.00	1.065	.003	1.068	.20900E-04	434.882	234.02	1.85	1.86	.0300	1.00	.28	.05
SIGA	7000	500.0	100.00	1.080	.004	1.084	.44047E-04	357.964	251.72	1.42	1.42	.0300	1.00	.31	.07
SIGA	7500	500.0	100.00	1.105	.005	1.110	.58721E-04	323.681	242.63	1.33	1.33	.0300	1.00	.27	.09
SIGA	8000	500.0	100.00	1.127	.004	1.131	.25282E-04	323.438	182.59	2.03	2.04	.0300	1.00	.20	.06
SIGA	8500	500.0	100.00	1.136	.002	1.138	.37485E-05	489.566	83.97	5.63	5.83	.0300	1.00	.32	.03
SIGA	9000	500.0	100.00	1.145	.005	1.150	.43440E-04	316.321	182.09	1.73	1.74	.0300	1.00	.26	.08
SIGA	9500	500.0	100.00	1.162	.004	1.166	.20384E-04	380.112	163.36	2.31	2.33	.0300	1.00	.38	.06
SIGA	10000	500.0	100.00	1.179	.007	1.187	.61835E-04	261.829	148.06	1.76	1.77	.0300	1.00	.39	.09
SIGA	10500	500.0	100.00	1.211	.008	1.218	.65526E-04	259.286	151.04	1.71	1.72	.0300	1.00	.32	.09
SIGA	11000	500.0	100.00	1.237	.005	1.243	.31435E-04	313.364	139.46	2.23	2.25	.0300	1.00	.28	.07
SIGA	11500	500.0	100.00	1.252	.004	1.255	.19840E-04	362.387	140.78	2.53	2.57	.0300	1.00	.40	.05
SIGA	12000	500.0	100.00	1.262	.008	1.270	.37124E-04	252.001	91.21	2.73	2.76	.0300	1.00	.43	.08
SIGA	12500	500.0	100.00	1.289	.010	1.299	.79241E-04	231.040	130.19	1.76	1.77	.0300	1.00	.38	.10
SIGA	13000	500.0	100.00	1.322	.007	1.329	.40984E-04	264.239	110.97	2.36	2.38	.0300	1.00	.39	.08
SIGA	13500	500.0	100.00	1.341	.008	1.349	.39597E-04	256.625	100.50	2.53	2.55	.0300	1.00	.46	.08
SIGA	14000	500.0	100.00	1.362	.011	1.373	.55170E-04	219.684	86.82	2.49	2.53	.0300	1.00	.29	.09
SIGA	14500	500.0	100.00	1.385	.004	1.390	.12251E-04	347.348	87.98	3.88	3.95	.0300	1.00	.43	.05
SIGA	15000	500.0	100.00	1.399	.009	1.408	.60960E-04	234.408	110.60	2.10	2.12	.0300	1.00	.42	.09
SIGA	15500	500.0	100.00	1.431	.009	1.440	.69040E-04	236.334	123.84	1.89	1.91	.0300	1.00	.43	.10
SIGA	16000	500.0	100.00	1.465	.009	1.474	.66921E-04	234.212	118.16	1.96	1.98	.0300	1.00	.47	.10
SIGA	16500	500.0	100.00	1.504	.011	1.515	.96848E-04	211.398	121.05	1.73	1.75	.0300	1.00	.48	.11
SIGA	17000	500.0	100.00	1.544	.012	1.556	.65703E-04	210.351	89.11	2.33	2.36	.0300	1.00	.32	.10
SIGA	17500	500.0	100.00	1.572	.005	1.577	.20277E-04	312.279	97.62	3.12	3.20	.0300	1.00	.47	.06
SIGA	18000	500.0	100.00	1.589	.011	1.601	.72830E-04	211.368	96.73	2.14	2.19	.0300	1.00	.69	.18
SIGA	18500	500.0	100.00	1.656	.024	1.680	.24457E-03	145.953	95.87	1.51	1.52	.0300	1.00	.72	.22
SIGA	19000	500.0	100.00	1.818	.026	1.844	.41329E-03	139.566	126.67	1.09	1.10	.0300	1.00	.37	.07
SIGA	19500	500.0	100.00	1.949	.007	1.956	.32694E-04	272.824	101.11	2.67	2.70	.0300	1.00	.58	.15
SIGA	20000	500.0	100.00	1.987	.017	2.004	.15973E-03	172.479	105.84	1.61	1.63	.0300	1.00	.58	.14
SIGA	20500	500.0	100.00	2.060	.017	2.077	.13345E-03	173.662	93.96	1.83	1.85	.0300	1.00	.79	.23
SIGA	21000	500.0	100.00	2.185	.032	2.218	.42754E-03	125.794	100.36	1.24	1.25	.0300	1.00	.49	.10
SIGA	21500	500.0	100.00	2.329	.012	2.341	.65562E-04	203.674	82.11	2.45	2.48	.0300	1.00	.70	.16
SIGA	22000	500.0	100.00	2.375	.025	2.400	.17012E-03	142.226	68.13	2.06	2.09	.0300	1.00	.60	.14
SIGA	22500	500.0	100.00	2.461	.019	2.479	.14709E-03	166.014	89.06	1.82	1.86	.0300	1.00	.50	.11
SIGA	23000	500.0	100.00	2.523	.013	2.536	.78530E-04	199.754	88.82	2.21	2.25	.0300	1.00	.60	.13
SIGA	23500	500.0	100.00	2.565	.018	2.583	.11292E-03	167.914	75.67	2.18	2.22	.0300	1.00	.63	.14
SIGA	24000	500.0	100.00	2.627	.020	2.647	.14175E-03	159.473	79.12	1.99	2.02	.0300	1.00	.28	.05
SIGA	24500	500.0	100.00	2.682	.004	2.686	.13725E-04	353.889	100.58	3.46	3.52	.0300	1.00	.39	.06
SIGA	25000	500.0	100.00	2.687	.008	2.694	.19133E-03	258.736	57.33	4.31	4.51	.0300	1.00	.75	.19
SIGA	25500	500.0	100.00	2.737	.029	2.766	.26770E-03	133.314	81.39	1.61	1.64	.0300	1.00	.86	.21
SIGA	26000	500.0	100.00	2.877	.038	2.915	.32752E-03	115.912	67.12	1.71	1.73	.0300	1.00	.48	.10
SIGA	26500	500.0	100.00	3.003	.012	3.015	.74493E-04	208.590	95.58	2.15	2.18	.0300	1.00	.67	.16
SIGA	27000	500.0	100.00	3.058	.023	3.081	.18943E-03	148.709	82.54	1.77	1.80	.0300	1.00	.64	.15
SIGA	27500	500.0	100.00	3.147	.021	3.168	.15950E-03	155.575	80.52	1.89	1.93	.0300	1.00	1.27	.44
SIGA	28000	500.0	100.00	3.594	.082	3.676	.18704E-02	78.968	94.95	.82	.83	.0300	1.00	.57	.11
SIGA	28500	500.0	100.00	4.148	.017	4.164	.82410E-04	175.600	67.05	2.58	2.62	.0300	1.00		

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SIGA	29000	500.0	100.00	4.137	.007	4.193	.342239E-04	277.828	109.61	2.51	2.53	.0300	1.00	.36	.07
SIGA	29500	500.0	100.00	4.205	.017	4.222	.80607E-04	174.368	61.93	2.65	2.82	.0300	1.00	.57	.11
SIGA	30000	500.0	100.00	4.244	.019	4.263	.82315E-04	164.667	55.40	2.85	2.97	.0300	1.00	.61	.11
SIGA	30500	500.0	100.00	4.294	.016	4.310	.10702E-03	179.802	87.14	2.05	2.06	.0300	1.00	.56	.12
SIGA	31000	500.0	100.00	4.344	.028	4.372	.14022E-03	135.787	51.89	2.55	2.62	.0300	1.00	.74	.15
SIGA	31500	500.0	100.00	4.406	.011	4.417	.41129E-04	211.597	61.73	3.29	3.43	.0300	1.00	.47	.08
SIGA	32000	500.0	100.00	4.981	.173	5.154	.29040E-02	54.360	51.69	1.04	1.05	.0300	1.00	1.84	.57
SIGA	32500	500.0	100.00	5.955	.038	5.993	.45312E-03	115.804	85.45	1.34	1.36	.0300	1.00	.86	.24
SIGA	33000	500.0	100.00	6.133	.021	6.154	.19007E-03	155.849	93.79	1.65	1.66	.0300	1.00	.64	.16
SIGA	33500	500.0	100.00	6.206	.006	6.211	.41451E-04	296.454	149.85	1.97	1.98	.0300	1.00	.34	.08
SIGA	34000	500.0	100.00	6.292	.047	6.339	.46983E-03	103.925	66.88	1.54	1.55	.0300	1.00	.96	.25
SIGA	34500	500.0	100.00	6.464	.012	6.475	.74529E-04	208.122	94.98	2.16	2.19	.0200	1.00	.48	.10
SIGA	35000	500.0	100.00	6.496	.010	6.505	.45385E-04	231.407	85.22	2.67	2.72	.0300	1.00	.43	.08
SIGA	35500	500.0	100.00	6.519	.010	6.529	.48026E-04	226.016	84.04	2.65	2.69	.0300	1.00	.44	.09
SIGA	36000	500.0	100.00	7.150	.141	7.292	.30046E-02	60.049	68.19	.87	.38	.0300	1.00	1.67	.57
SIGA	36500	500.0	100.00	8.053	.019	8.072	.11661E-03	161.760	70.81	2.25	2.28	.0300	1.00	.62	.13
SIGA	37000	500.0	100.00	8.140	.030	8.170	.27575E-03	130.602	79.29	1.63	1.65	.0300	1.00	.77	.19
SIGA	37500	500.0	100.00	8.259	.027	8.287	.19068E-03	136.327	66.73	2.01	2.04	.0300	1.00	.73	.16
SIGA	38000	500.0	100.00	8.366	.024	8.390	.22036E-03	147.032	90.39	1.61	1.63	.0300	1.00	.68	.17
SIGA	38500	500.0	100.00	8.503	.035	8.538	.37099E-03	120.960	81.90	1.46	1.48	.0300	1.00	.83	.22
SIGA	39000	500.0	100.00	8.692	.049	8.742	.44569E-03	101.606	60.36	1.65	1.68	.0300	1.00	.98	.24
SIGA	39500	500.0	100.00	8.874	.021	8.895	.16730E-03	156.044	85.14	1.81	1.83	.0300	1.00	.64	.15
SIGA	40000	500.0	100.00	8.974	.039	9.013	.30364E-03	114.406	60.61	1.85	1.89	.0300	1.00	.87	.20
SIGA	40500	500.0	100.00	9.209	.051	9.260	.68704E-03	99.582	80.00	1.23	1.24	.0300	1.00	1.00	.29
SIGA	41000	500.0	100.00	9.516	.030	9.546	.45742E-03	130.268	115.28	1.12	1.13	.0300	1.00	.77	.23
SIGA	41500	500.0	100.00	9.697	.024	9.721	.24066E-03	145.159	93.82	1.54	1.55	.0300	1.00	.69	.18
SIGA	42000	500.0	100.00	9.790	.029	9.820	.15440E-02	131.663	51.49	2.48	2.56	.0300	1.00	.76	.15
SIGA	42500	500.0	100.00	10.068	.072	10.139	.11240E-02	84.258	76.56	1.09	1.10	.0300	1.00	1.19	.36
SIGA	43000	500.0	100.00	10.439	.030	10.470	.19739E-03	129.761	60.26	2.11	2.15	.0300	1.00	.77	.17
SIGA	43500	500.0	100.00	10.603	.035	10.637	.47218E-03	121.417	99.30	1.21	1.22	.0300	1.00	.82	.24
SIGA	44000	500.0	100.00	10.782	.023	10.805	.20021E-03	149.370	87.18	1.69	1.71	.0300	1.00	.67	.16
SIGA	44500	500.0	100.00	10.889	.041	10.931	.30138E-03	111.191	56.75	1.94	1.96	.0300	1.00	.90	.21
SIGA	45000	500.0	100.00	11.253	.079	11.332	.13030E-02	80.416	74.68	1.05	1.08	.0300	1.00	1.24	.38
SIGA	45500	500.0	100.00	11.840	.052	11.892	.93932E-03	98.755	98.39	.99	1.00	.0300	1.00	1.01	.32
SIGA	46000	500.0	100.00	12.367	.061	12.429	.12067E-02	91.103	96.07	.92	.95	.0300	1.00	1.10	.36
SIGA	46500	500.0	100.00	12.773	.027	12.800	.27832E-03	137.199	90.42	1.50	1.52	.0300	1.00	.73	.19
SIGA	47000	500.0	100.00	12.926	.034	12.959	.35894E-03	123.340	84.25	1.45	1.46	.0300	1.00	.81	.21
SIGA	47500	500.0	100.00	13.170	.035	13.205	.62422E-03	121.114	157.20	.99	.77	.0300	1.00	.83	.30
SIGA	48000	500.0	100.00	13.479	.037	13.516	.61903E-03	118.136	114.27	1.03	1.03	.0300	1.00	.85	.27
SIGA	48500	500.0	100.00	13.945	.056	14.002	.13235E-02	95.065	117.31	.81	.81	.0300	1.00	1.05	.37
SIGA	49000	500.0	100.00	14.374	.027	14.402	.27616E-03	136.932	89.52	1.51	1.53	.0300	1.00	.72	.19
SIGA	49500	500.0	100.00	14.592	.039	14.632	.64366E-03	114.168	107.56	1.05	1.06	.0300	1.00	.88	.27
SIGA	50000	500.0	100.00	14.804	.021	14.825	.13184E-03	155.439	70.24	2.18	2.21	.0300	1.00	.64	.14

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* * * Legend * * *

NAME    .....  Section Name

DELTX   ....   Distance   (M)

Q       ......  Discharge  (M3/S)

H       ......  Stage      (M)

V.H     ......  Velocity Head  (M) :  V.H = ALPHA * V**2 / 19.6

TOTAL E  ...   Total Energy Head  (M) :  TOTAL E = H + V.H.

IE      ......  Energy Gradient    :  IE = (N*Q/(A*R**(2/3)))**2

A       ......  Discharge Area   (M2)

B       ......  Width of Water Surface  (M)

R       ......  Hydraulic Radius   (M)

A/B     ......  Hydraulic Depth (M)

N       ......  Roughness Coefficient

ALPHA   .....  Rectification Coefficient

V       ......  Velocity   (M/S) :  V  = Q / A

FR      ......  Froude Number    :  FR  = V/SQRT(9.8*(A/B)/ALPHA)
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"Non-Uniform Flow, 300m3/s, Sigatoka"

NAME	DELTX (M)	Q (M3/S)	H (M)	V.H (M)	TOTAL E (M)	IE	A (M2)	B (M)	R (M)	A/B (M)	N	ALPHA	V (M/S)	FR
SIGA	600 .0	300.00	1.000	.015	1.015	.11910E-03	549.594	298.81	1.84	1.84	.0300	1.00	.55	.13
SIGA	1000 400.0	300.00	1.059	.021	1.079	.20129E-03	470.678	299.89	1.56	1.57	.0300	1.00	.64	.16
SIGA	1185 185.0	300.00	1.097	.003	1.100	.17329E-04	1259.815	559.93	2.25	2.25	.0300	1.00	.24	.05
SIGA	1500 315.0	300.00	1.103	.004	1.107	.31301E-04	1075.907	588.23	1.83	1.83	.0300	1.00	.28	.07
SIGA	2000 500.0	300.00	1.123	.008	1.131	.62361E-04	754.589	406.25	1.86	1.86	.0300	1.00	.40	.09
SIGA	2500 500.0	300.00	1.151	.007	1.158	.47205E-04	814.958	399.18	2.04	2.04	.0300	1.00	.37	.08
SIGA	3000 500.0	300.00	1.177	.008	1.185	.60715E-04	746.883	387.75	1.92	1.93	.0300	1.00	.40	.09

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SIGA	3500	500.0	300.00	1.217	.013	1.230	.12003E-03	601.533	375.95	1.60	1.60	.0300	1.00	.50	.13
SIGA	4000	500.0	300.00	1.266	.015	1.281	.83987E-04	557.300	237.88	2.34	2.34	.0300	1.00	.54	.11
SIGA	4500	500.0	300.00	1.303	.010	1.313	.43246E-04	670.285	228.96	2.93	2.92	.0300	1.00	.45	.08
SIGA	5000	500.0	300.00	1.330	.013	1.344	.78884E-04	591.719	263.11	2.25	2.24	.0300	1.00	.51	.11
SIGA	5500	500.0	300.00	1.367	.013	1.380	.64485E-04	589.858	229.08	2.57	2.56	.0300	1.00	.51	.10
SIGA	6000	500.0	300.00	1.396	.014	1.411	.56684E-04	568.845	184.41	3.08	3.05	.0300	1.00	.53	.10
SIGA	6500	500.0	300.00	1.434	.017	1.451	.10372E-03	521.369	235.46	2.21	2.21	.0300	1.00	.58	.12
SIGA	7000	500.0	300.00	1.498	.021	1.520	.17127E-03	463.790	255.98	1.81	1.81	.0300	1.00	.65	.15
SIGA	7500	500.0	300.00	1.589	.023	1.612	.19997E-03	445.144	259.46	1.72	1.71	.0300	1.00	.67	.16
SIGA	8000	500.0	300.00	1.668	.021	1.689	.10514E-03	471.644	184.38	2.56	2.54	.0300	1.00	.64	.13
SIGA	8500	500.0	300.00	1.706	.016	1.722	.26488E-04	538.346	88.72	6.07	5.85	.0300	1.00	.56	.07
SIGA	9000	500.0	300.00	1.740	.025	1.765	.14812E-03	425.146	183.77	2.31	2.29	.0300	1.00	.71	.15
SIGA	9500	500.0	300.00	1.803	.019	1.823	.82740E-04	485.445	165.36	2.94	2.91	.0300	1.00	.62	.12
SIGA	10000	500.0	300.00	1.857	.035	1.892	.19289E-03	363.314	151.36	2.40	2.38	.0300	1.00	.83	.17
SIGA	10500	500.0	300.00	1.952	.033	1.985	.18078E-03	371.873	152.75	2.43	2.41	.0300	1.00	.81	.17
SIGA	11000	500.0	300.00	2.032	.025	2.057	.10669E-03	425.555	143.86	2.96	2.93	.0300	1.00	.70	.13
SIGA	11500	500.0	300.00	2.082	.020	2.102	.72506E-04	480.807	144.71	3.32	3.26	.0300	1.00	.62	.11
SIGA	12000	500.0	300.00	2.118	.040	2.158	.15362E-03	339.050	106.50	3.18	3.13	.0300	1.00	.88	.16
SIGA	12500	500.0	300.00	2.206	.037	2.243	.18366E-03	352.993	135.50	2.61	2.58	.0300	1.00	.85	.17
SIGA	13000	500.0	300.00	2.287	.033	2.320	.12485E-03	374.196	117.19	3.19	3.16	.0300	1.00	.80	.14
SIGA	13500	500.0	300.00	2.346	.036	2.382	.12267E-03	359.477	104.23	3.45	3.40	.0300	1.00	.83	.16
SIGA	14000	500.0	300.00	2.406	.047	2.453	.16330E-03	312.319	90.16	3.46	3.39	.0300	1.00	.96	.16
SIGA	14500	500.0	300.00	2.486	.022	2.508	.56739E-04	453.057	103.74	4.37	4.28	.0300	1.00	.66	.10
SIGA	15000	500.0	300.00	2.522	.035	2.557	.13889E-03	361.557	116.05	3.12	3.07	.0300	1.00	.83	.15
SIGA	15500	500.0	300.00	2.593	.031	2.625	.13067E-03	382.048	127.07	3.01	2.96	.0300	1.00	.79	.14
SIGA	16000	500.0	300.00	2.657	.032	2.689	.12850E-03	376.519	120.62	3.12	3.06	.0300	1.00	.80	.14
SIGA	16500	500.0	300.00	2.725	.035	2.760	.15489E-03	363.516	128.03	2.84	2.81	.0300	1.00	.83	.16
SIGA	17000	500.0	300.00	2.795	.043	2.838	.15507E-03	327.169	98.12	3.33	3.28	.0300	1.00	.92	.16
SIGA	17500	500.0	300.00	2.868	.024	2.892	.61404E-04	441.099	101.57	4.34	4.20	.0300	1.00	.68	.10
SIGA	18000	500.0	300.00	2.904	.039	2.943	.14274E-03	341.934	102.12	3.35	3.27	.0300	1.00	.88	.15
SIGA	18500	500.0	300.00	2.990	.059	3.049	.28012E-03	279.438	103.26	2.71	2.67	.0300	1.00	1.07	.21
SIGA	19000	500.0	300.00	3.140	.046	3.186	.26903E-03	316.806	136.94	2.31	2.28	.0300	1.00	.95	.20
SIGA	19500	500.0	300.00	3.246	.028	3.274	.82825E-04	407.600	105.92	3.85	3.78	.0300	1.00	.74	.12
SIGA	20000	500.0	300.00	3.301	.046	3.347	.21050E-03	316.545	113.80	2.78	2.74	.0300	1.00	.95	.18
SIGA	20500	500.0	300.00	3.400	.050	3.451	.20368E-03	302.050	98.23	3.07	3.02	.0300	1.00	.99	.18
SIGA	21000	500.0	300.00	3.526	.062	3.588	.34495E-03	272.444	113.00	2.41	2.37	.0300	1.00	1.10	.23
SIGA	21500	500.0	300.00	3.676	.042	3.717	.17322E-03	331.560	110.83	2.99	2.96	.0300	1.00	.90	.17
SIGA	22000	500.0	300.00	3.766	.073	3.840	.31688E-03	250.006	85.20	2.93	2.88	.0300	1.00	1.20	.22
SIGA	22500	500.0	300.00	3.918	.051	3.970	.20224E-03	298.942	94.02	3.18	3.08	.0300	1.00	1.00	.18
SIGA	23000	500.0	300.00	4.013	.041	4.054	.13526E-03	335.458	93.00	3.61	3.50	.0300	1.00	.89	.15
SIGA	23500	500.0	300.00	4.091	.049	4.140	.20813E-03	306.544	103.45	2.96	2.90	.0300	1.00	.98	.18
SIGA	24000	500.0	300.00	4.203	.044	4.246	.21800E-03	323.734	123.77	2.62	2.58	.0300	1.00	.93	.18
SIGA	24500	500.0	300.00	4.296	.016	4.312	.44843E-04	536.163	133.09	4.03	3.97	.0300	1.00	.56	.09
SIGA	25000	500.0	300.00	4.309	.035	4.343	.79834E-04	363.240	74.93	4.85	4.62	.0300	1.00	.83	.12
SIGA	25500	500.0	300.00	4.372	.057	4.429	.26390E-03	284.225	102.50	2.77	2.72	.0300	1.00	1.06	.20
SIGA	26000	500.0	300.00	4.502	.083	4.584	.35610E-03	235.730	80.81	2.92	2.83	.0300	1.00	1.27	.24
SIGA	26500	500.0	300.00	4.668	.032	4.700	.10860E-03	376.848	106.66	3.53	3.47	.0300	1.00	.80	.14
SIGA	27000	500.0	300.00	4.725	.053	4.778	.20336E-03	293.049	90.69	3.23	3.16	.0300	1.00	1.02	.18
SIGA	27500	500.0	300.00	4.828	.050	4.878	.19600E-03	302.099	94.83	3.19	3.10	.0300	1.00	.99	.18
SIGA	28000	500.0	300.00	4.989	.100	5.089	.64603E-03	214.130	98.90	2.17	2.13	.0300	1.00	1.40	.30
SIGA	28500	500.0	300.00	5.243	.071	5.314	.25362E-03	254.845	75.90	3.36	3.30	.0300	1.00	1.18	.21

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SIGA	29000	500.0	300.00	5.373	027	5.400	91184E-04	415.690	120.14	3.41	3.46	.0300	1.00	.72	.12
SIGA	29500	500.0	300.00	5.422	067	5.489	26359E-03	261.908	80.64	3.08	3.25	.0300	1.00	1.15	.20
SIGA	30000	500.0	300.00	5.548	075	5.622	27155E-03	248.079	73.24	3.27	3.39	.0300	1.00	1.21	.21
SIGA	30500	500.0	300.00	5.698	042	5.740	19925E-03	328.749	120.89	2.70	2.72	.0300	1.00	.91	.18
SIGA	31000	500.0	300.00	5.773	100	5.873	33370E-03	214.226	59.18	3.49	3.62	.0300	1.00	1.40	.24
SIGA	31500	500.0	300.00	5.937	048	5.986	11494E-03	309.210	64.94	4.47	4.76	.0300	1.00	.97	.14
SIGA	32000	500.0	300.00	6.267	219	6.486	18879E-02	144.860	83.41	1.71	1.74	.0300	1.00	2.07	.50
SIGA	32500	500.0	300.00	7.023	098	7.121	64974E-03	216.457	102.98	2.08	2.10	.0300	1.00	1.39	.31
SIGA	33000	500.0	300.00	7.297	063	7.360	30835E-03	269.012	100.92	2.63	2.67	.0300	1.00	1.12	.22
SIGA	33500	500.0	300.00	7.437	019	7.457	76997E-04	485.282	156.96	3.07	3.09	.0300	1.00	.62	.11
SIGA	34000	500.0	300.00	7.519	125	7.644	67274E-03	191.381	76.94	2.44	2.49	.0300	1.00	1.57	.32
SIGA	34500	500.0	300.00	7.811	037	7.849	14570E-03	350.825	110.71	3.10	3.17	.0300	1.00	.86	.15
SIGA	35000	500.0	300.00	7.877	036	7.913	11131E-03	357.917	95.17	3.68	3.76	.0300	1.00	.84	.14
SIGA	35500	500.0	300.00	7.932	037	7.969	11458E-03	350.761	92.84	3.71	3.78	.0300	1.00	.86	.14
SIGA	36000	500.0	300.00	8.255	193	8.448	17987E-02	154.479	94.31	1.61	1.64	.0300	1.00	.94	.49
SIGA	36500	500.0	300.00	8.910	090	8.999	40818E-03	226.479	80.78	2.76	2.80	.0300	1.00	1.32	.25
SIGA	37000	500.0	300.00	9.136	102	9.237	54289E-03	212.595	85.50	2.45	2.49	.0300	1.00	1.41	.29
SIGA	37500	500.0	300.00	9.392	095	9.486	45338E-03	220.385	81.67	2.66	2.70	.0300	1.00	1.36	.26
SIGA	38000	500.0	300.00	9.619	061	9.679	31874E-03	275.034	109.54	2.48	2.51	.0300	1.00	1.09	.22
SIGA	38500	500.0	300.00	9.781	087	9.869	44001E-03	229.195	87.89	2.56	2.61	.0300	1.00	1.31	.26
SIGA	39000	500.0	300.00	10.028	122	10.150	68324E-03	194.145	80.88	2.36	2.40	.0300	1.00	1.55	.32
SIGA	39500	500.0	300.00	10.320	057	10.377	27554E-03	283.305	90.82	3.06	3.12	.0300	1.00	1.06	.19
SIGA	40000	500.0	300.00	10.440	105	10.545	44243E-03	209.081	69.43	2.93	3.01	.0300	1.00	1.43	.26
SIGA	40500	500.0	300.00	10.682	093	10.775	47938E-03	222.059	86.71	2.52	2.56	.0300	1.00	1.35	.27
SIGA	41000	500.0	300.00	10.921	048	10.969	29542E-03	308.257	137.66	2.21	2.24	.0300	1.00	.97	.21
SIGA	41500	500.0	300.00	11.054	059	11.113	27858E-03	278.857	102.43	2.69	2.72	.0300	1.00	1.08	.21
SIGA	42000	500.0	300.00	11.166	110	11.276	37490E-03	204.441	57.04	3.43	3.58	.0300	1.00	1.47	.25
SIGA	42500	500.0	300.00	11.439	058	11.498	51270E-03	280.471	165.09	1.69	1.70	.0300	1.00	1.07	.26
SIGA	43000	500.0	300.00	11.633	107	11.740	45395E-03	207.380	69.82	2.91	2.97	.0300	1.00	1.45	.27
SIGA	43500	500.0	300.00	11.884	067	11.952	39420E-03	261.145	113.12	2.29	2.31	.0300	1.00	1.15	.24
SIGA	44000	500.0	300.00	12.060	065	12.124	29577E-03	266.748	95.79	2.74	2.78	.0300	1.00	1.12	.22
SIGA	44500	500.0	300.00	12.259	085	12.344	53351E-03	232.087	111.69	2.03	2.08	.0300	1.00	1.29	.29
SIGA	45000	500.0	300.00	12.579	121	12.700	83929E-03	194.576	93.98	2.02	2.07	.0300	1.00	1.54	.34
SIGA	45500	500.0	300.00	13.001	083	13.083	69387E-03	235.815	132.53	1.74	1.78	.0300	1.00	1.27	.30
SIGA	46000	500.0	300.00	13.421	107	13.528	10860E-02	206.935	133.30	1.52	1.55	.0300	1.00	1.45	.37
SIGA	46500	500.0	300.00	13.828	084	13.912	44676E-03	233.951	93.48	2.46	2.50	.0300	1.00	1.28	.26
SIGA	47000	500.0	300.00	14.072	087	14.159	54322E-03	229.278	104.01	2.19	2.20	.0300	1.00	1.31	.28
SIGA	47500	500.0	300.00	14.342	039	14.381	34313E-03	345.235	205.96	1.67	1.68	.0300	1.00	.87	.21
SIGA	48000	500.0	300.00	14.532	076	14.608	56710E-03	245.881	128.55	1.91	1.91	.0300	1.00	1.22	.28
SIGA	48500	500.0	300.00	14.887	104	14.991	96400E-03	210.133	129.02	1.62	1.63	.0300	1.00	1.43	.36
SIGA	49000	500.0	300.00	15.275	096	15.371	55493E-03	218.944	93.62	2.31	2.34	.0300	1.00	1.37	.29
SIGA	49500	500.0	300.00	15.609	062	15.672	64875E-03	271.666	181.80	1.48	1.49	.0300	1.00	1.10	.29
SIGA	50000	500.0	300.00	15.844	083	15.923	37532E-03	234.619	82.68	2.79	2.84	.0300	1.00	1.28	.24

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*** Legend ***

NAME ...... Section Name

DELTX ..... Distance (M)

Q .... Discharge (M3/S)

H .... Stage (M)

V.H ...... Velocity Head (M) : V.H = ALPHA * V**2 / 19.6

TOTAL E ... Total Energy Head (M) : TOTAL E = H + V.H

IE .... Energy Gradient : IE = (N*Q/(A*R**(2/3)))**2

A .... Discharge Area (M2)

B .... Width of Water Surface (M)

R .... Hydraulic Radius (M)

A/B ...... Hydraulic Depth (M)

N .... Roughness Coefficient

ALPHA ..... Rectification Coefficient

V .... Velocity (M/S) : V = Q / A

FR .... Froude Number : FR = V/SQRT(9.8*(A/B)/ALPHA)

"Non-Uniform Flow, 500m3/s, Sigatoka"

NAME	DELTX (M)	Q (M3/S)	H (M)	V.H (M)	TOTAL E (M)	IE	A (M2)	B (M)	R (M)	A/B (M)	N	ALPHA	V (M/S)	FR
SIGA	600 0	500.00	1.000	.042	1.042	.33082E-03	549.594	298.81	1.84	1.84	.0300	1.00	.91	.21
SIGA	1000 400.0	500.00	1.150	.051	1.201	.46373E-03	498.025	300.03	1.65	1.66	.0300	1.00	1.00	.25
SIGA	1185 185.0	500.00	1.241	.007	1.248	.39389E-04	1340.648	562.68	2.38	2.38	.0300	1.00	.37	.08
SIGA	1500 315.0	500.00	1.255	.009	1.264	.66856E-04	1165.339	569.65	1.98	1.98	.0300	1.00	.43	.10
SIGA	2000 500.0	500.00	1.295	.019	1.314	.12959E-03	824.724	408.02	2.02	2.02	.0300	1.00	.61	.14
SIGA	2500 500.0	500.00	1.354	.016	1.370	.95774E-04	896.001	399.55	2.24	2.24	.0300	1.00	.56	.12
SIGA	3000 500.0	500.00	1.405	.018	1.423	.11639E-03	835.301	388.13	2.15	2.15	.0300	1.00	.60	.13

SIGA	3500	500.0	500.00	1.477	.026	1.503	.20269E-03	699.044	376.62	1.85	1.86	.0300	1.00	.72	.17
SIGA	4000	500.0	500.00	1.561	.032	1.593	.15834E-03	627.460	239.08	2.62	2.62	.0300	1.00	.80	.16
SIGA	4500	500.0	500.00	1.631	.023	1.654	.84834E-04	745.573	229.96	3.23	3.24	.0300	1.00	.67	.12
SIGA	5000	500.0	500.00	1.682	.027	1.709	.13577E-03	684.312	264.05	2.58	2.59	.0300	1.00	.73	.14
SIGA	5500	500.0	500.00	1.744	.028	1.772	.11778E-03	676.565	230.08	2.92	2.94	.0300	1.00	.74	.14
SIGA	6000	500.0	500.00	1.797	.031	1.828	.10549E-03	642.845	184.88	3.42	3.48	.0300	1.00	.78	.13
SIGA	6500	500.0	500.00	1.862	.033	1.895	.16144E-03	622.586	237.38	2.61	2.62	.0300	1.00	.80	.16
SIGA	7000	500.0	500.00	1.954	.038	1.992	.22677E-03	581.032	257.62	2.24	2.26	.0300	1.00	.86	.18
SIGA	7500	500.0	500.00	2.071	.039	2.110	.24709E-03	571.491	263.89	2.16	2.17	.0300	1.00	.87	.19
SIGA	8000	500.0	500.00	2.174	.040	2.214	.16755E-03	566.391	191.89	2.93	2.95	.0300	1.00	.88	.16
SIGA	8500	500.0	500.00	2.234	.037	2.271	.61985E-04	587.653	97.30	5.84	6.04	.0300	1.00	.85	.11
SIGA	9000	500.0	500.00	2.292	.046	2.338	.20396E-03	527.101	185.51	2.81	2.84	.0300	1.00	.95	.18
SIGA	9500	500.0	500.00	2.383	.038	2.421	.12782E-03	581.857	167.18	3.44	3.48	.0300	1.00	.86	.15
SIGA	10000	500.0	500.00	2.456	.062	2.518	.26050E-03	454.942	154.35	2.92	2.95	.0300	1.00	1.10	.20
SIGA	10500	500.0	500.00	2.584	.058	2.642	.23578E-03	468.871	154.19	3.01	3.04	.0300	1.00	1.07	.20
SIGA	11000	500.0	500.00	2.693	.047	2.740	.15534E-03	521.896	147.39	3.50	3.54	.0300	1.00	.96	.16
SIGA	11500	500.0	500.00	2.768	.038	2.806	.11023E-03	581.218	147.66	3.85	3.94	.0300	1.00	.86	.14
SIGA	12000	500.0	500.00	2.816	.074	2.890	.22661E-03	414.208	108.91	3.73	3.80	.0300	1.00	1.21	.20
SIGA	12500	500.0	500.00	2.942	.062	3.004	.22557E-03	453.971	138.25	3.24	3.28	.0300	1.00	1.10	.19
SIGA	13000	500.0	500.00	3.046	.059	3.105	.17770E-03	465.183	122.00	3.76	3.81	.0300	1.00	1.07	.18
SIGA	13500	500.0	500.00	3.131	.065	3.196	.18420E-03	442.770	110.27	3.94	4.02	.0300	1.00	1.13	.18
SIGA	14000	500.0	500.00	3.214	.086	3.300	.23298E-03	386.095	92.50	4.06	4.17	.0300	1.00	1.30	.20
SIGA	14500	500.0	500.00	3.339	.043	3.382	.96548E-04	544.867	113.89	4.69	4.78	.0300	1.00	.92	.13
SIGA	15000	500.0	500.00	3.391	.059	3.450	.17417E-03	463.389	118.29	3.84	3.92	.0300	1.00	1.08	.17
SIGA	15500	500.0	500.00	3.481	.052	3.533	.15730E-03	496.208	130.04	3.74	3.82	.0300	1.00	1.01	.16
SIGA	16000	500.0	500.00	3.560	.054	3.613	.16321E-03	488.166	128.04	3.73	3.81	.0300	1.00	1.02	.17
SIGA	16500	500.0	500.00	3.644	.054	3.698	.17818E-03	484.432	135.34	3.53	3.58	.0300	1.00	1.03	.17
SIGA	17000	500.0	500.00	3.720	.072	3.793	.19377E-03	419.838	102.14	4.03	4.11	.0300	1.00	1.19	.19
SIGA	17500	500.0	500.00	3.822	.044	3.865	.91891E-04	539.790	105.53	4.94	5.12	.0300	1.00	1.13	.13
SIGA	18000	500.0	500.00	3.867	.065	3.933	.17710E-03	442.078	105.66	4.07	4.18	.0300	1.00	1.30	.18
SIGA	18500	500.0	500.00	3.966	.086	4.052	.30115E-03	385.020	112.75	3.36	3.41	.0300	1.00	1.10	.22
SIGA	19000	500.0	500.00	4.124	.062	4.186	.23527E-03	453.335	140.52	3.17	3.23	.0300	1.00	.98	.20
SIGA	19500	500.0	500.00	4.225	.049	4.273	.11180E-03	512.660	108.81	4.60	4.71	.0300	1.00	1.15	.14
SIGA	20000	500.0	500.00	4.291	.067	4.358	.22831E-03	434.757	123.93	3.45	3.51	.0300	1.00	1.24	.20
SIGA	20500	500.0	500.00	4.394	.079	4.473	.22251E-03	401.813	102.55	3.83	3.92	.0300	1.00	1.28	.20
SIGA	21000	500.0	500.00	4.528	.084	4.612	.32107E-03	389.793	121.59	3.15	3.21	.0300	1.00	1.11	.23
SIGA	21500	500.0	500.00	4.681	.062	4.744	.20681E-03	452.466	127.74	3.50	3.54	.0300	1.00	1.48	.19
SIGA	22000	500.0	500.00	4.769	.112	4.882	.34482E-03	337.120	88.55	3.71	3.81	.0300	1.00	1.26	.24
SIGA	22500	500.0	500.00	4.946	.030	5.026	.23474E-03	398.141	99.72	3.86	3.99	.0300	1.00	1.15	.20
SIGA	23000	500.0	500.00	5.059	.068	5.127	.16594E-03	433.369	94.27	4.40	4.60	.0300	1.00	1.20	.17
SIGA	23500	500.0	500.00	5.149	.073	5.222	.21684E-03	417.980	107.14	3.80	3.90	.0300	1.00	1.09	.19
SIGA	24000	500.0	500.00	5.267	.061	5.327	.20233E-03	458.842	129.77	3.48	3.54	.0300	1.00	.72	.19
SIGA	24500	500.0	500.00	5.367	.027	5.393	.62747E-04	689.660	149.22	4.55	4.62	.0300	1.00	1.10	.11
SIGA	25000	500.0	500.00	5.384	.062	5.446	.14610E-03	455.203	96.84	4.50	4.70	.0300	1.00	1.21	.16
SIGA	25500	500.0	500.00	5.480	.074	5.554	.28864E-03	414.592	131.17	3.11	3.16	.0300	1.00	1.51	.22
SIGA	26000	500.0	500.00	5.603	.117	5.720	.37424E-03	330.158	90.43	3.60	3.65	.0300	1.00	1.00	.25
SIGA	26500	500.0	500.00	5.794	.051	5.845	.12578E-03	500.355	112.05	4.37	4.47	.0300	1.00	1.25	.15
SIGA	27000	500.0	500.00	5.855	.079	5.934	.22900E-03	401.281	101.00	3.88	3.97	.0300	1.00	1.21	.20
SIGA	27500	500.0	500.00	5.969	.074	6.043	.20855E-03	414.547	101.67	3.97	4.08	.0300	1.00	1.54	.19
SIGA	28000	500.0	500.00	6.093	.121	6.213	.47247E-03	325.075	102.62	3.09	3.17	.0300	1.00	1.43	.28
SIGA	28500	500.0	500.00	6.299	.111	6.411	.31621E-03	338.578	85.22	3.93	3.97	.0300	1.00		.24

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SIGA	29000	500.0	500.00	6.474	.042	6.516	.10887E-03	551.266	126.17	4.30	4.37	.0300	1.00	.91	.14
SIGA	29500	500.0	500.00	6.514	.102	6.617	.29707E-03	352.974	86.14	3.87	4.10	.0300	1.00	1.42	.22
SIGA	30000	500.0	500.00	6.656	.114	6.771	.31913E-03	333.837	80.63	3.99	4.14	.0300	1.00	1.50	.24
SIGA	30500	500.0	500.00	6.843	.056	6.899	.19189E-03	477.548	138.78	3.41	3.44	.0300	1.00	1.05	.18
SIGA	31000	500.0	500.00	6.891	.159	7.049	.41130E-03	283.388	64.37	4.22	4.40	.0300	1.00	1.76	.27
SIGA	31500	500.0	500.00	7.107	.086	7.192	.16097E-03	385.802	66.07	5.36	5.84	.0300	1.00	1.30	.17
SIGA	32000	500.0	500.00	7.308	.226	7.534	.12034E-02	237.742	95.15	2.45	2.50	.0300	1.00	2.10	.43
SIGA	32500	500.0	500.00	7.852	.138	7.990	.62178E-03	304.368	107.78	2.78	2.82	.0300	1.00	1.64	.31
SIGA	33000	500.0	500.00	8.135	.101	9.236	.36307E-03	355.732	105.74	3.29	3.36	.0300	1.00	1.41	.24
SIGA	33500	500.0	500.00	8.318	.033	8.351	.95811E-04	625.902	162.05	3.83	3.86	.0300	1.00	.80	.13
SIGA	34000	500.0	500.00	8.380	.186	8.567	.76794E-03	261.558	85.94	2.98	3.04	.0300	1.00	1.91	.35
SIGA	34500	500.0	500.00	8.741	.062	8.802	.17586E-03	454.256	111.83	3.93	4.06	.0300	1.00	1.10	.17
SIGA	35000	500.0	500.00	8.821	.063	8.885	.15173E-03	449.067	97.82	4.47	4.59	.0300	1.00	1.13	.17
SIGA	35500	500.0	500.00	8.897	.065	8.962	.15934E-03	443.430	99.07	4.39	4.48	.0300	1.00	2.14	.44
SIGA	36000	500.0	500.00	9.091	.234	9.325	.12904E-02	233.520	95.22	2.39	2.45	.0300	1.00	1.73	.31
SIGA	36500	500.0	500.00	9.642	.152	9.795	.58839E-03	289.418	91.21	3.12	3.17	.0300	1.00	1.76	.32
SIGA	37000	500.0	500.00	9.945	.158	10.103	.64376E-03	284.267	93.24	3.00	3.05	.0300	1.00	1.69	.30
SIGA	37500	500.0	500.00	10.256	.145	10.401	.55204E-03	296.121	91.73	3.17	3.23	.0300	1.00	1.30	.24
SIGA	38000	500.0	500.00	10.547	.086	10.633	.37403E-03	385.264	133.26	2.86	2.89	.0300	1.00	1.59	.28
SIGA	38500	500.0	500.00	10.713	.130	10.843	.46467E-03	313.482	92.73	3.31	3.38	.0300	1.00	1.81	.33
SIGA	39000	500.0	500.00	10.966	.166	11.132	.69277E-03	276.989	92.29	2.95	3.00	.0300	1.00	1.34	.22
SIGA	39500	500.0	500.00	11.281	.092	11.373	.27026E-03	372.300	94.62	3.84	3.93	.0300	1.00	1.78	.30
SIGA	40000	500.0	500.00	11.414	.161	11.575	.53957E-03	281.072	78.40	3.48	3.59	.0300	1.00	1.60	.28
SIGA	40500	500.0	500.00	11.696	.130	11.826	.46525E-03	312.682	92.46	3.32	3.38	.0300	1.00	1.10	.20
SIGA	41000	500.0	500.00	11.943	.061	12.005	.24763E-03	455.710	148.56	3.03	3.07	.0300	1.00	1.30	.22
SIGA	41500	500.0	500.00	12.051	.087	12.138	.28523E-03	383.755	107.24	3.52	3.58	.0300	1.00	1.08	.30
SIGA	42000	500.0	500.00	12.186	.166	12.351	.56739E-03	277.566	77.95	3.42	3.56	.0300	1.00	1.78	.21
SIGA	42500	500.0	500.00	12.506	.059	12.566	.29091E-03	463.750	175.24	2.61	2.65	.0300	1.00	1.32	.30
SIGA	43000	500.0	500.00	12.615	.162	12.777	.55340E-03	280.701	80.15	3.42	3.50	.0300	1.00	1.37	.23
SIGA	43500	500.0	500.00	12.909	.089	12.998	.33174E-03	378.878	116.58	3.20	3.25	.0300	1.00	1.36	.23
SIGA	44000	500.0	500.00	13.062	.096	13.158	.30890E-03	364.915	100.04	3.58	3.65	.0300	1.00	1.74	.29
SIGA	44500	500.0	500.00	13.280	.095	13.375	.55707E-03	367.072	158.80	2.28	2.31	.0300	1.00	1.32	.33
SIGA	45000	500.0	500.00	13.536	.154	13.690	.70432E-03	288.100	101.54	2.75	2.84	.0300	1.00	1.54	.29
SIGA	45500	500.0	500.00	13.922	.089	14.011	.58102E-03	377.535	175.27	2.12	2.15	.0300	1.00	1.64	.34
SIGA	46000	500.0	500.00	14.241	.121	14.361	.81905E-03	324.934	154.43	2.05	2.10	.0300	1.00	1.53	.30
SIGA	46500	500.0	500.00	14.566	.137	14.704	.54961E-03	304.798	98.06	3.04	3.11	.0300	1.00	.96	.31
SIGA	47000	500.0	500.00	14.882	.120	15.002	.64381E-03	325.842	132.34	2.44	2.46	.0300	1.00	1.42	.20
SIGA	47500	500.0	500.00	15.178	.047	15.226	.25093E-03	518.895	208.44	2.47	2.49	.0300	1.00	1.61	.29
SIGA	48000	500.0	500.00	15.322	.102	15.424	.54559E-03	353.063	142.93	2.46	2.47	.0300	1.00	1.75	.34
SIGA	48500	500.0	500.00	15.631	.132	15.763	.81115E-03	311.347	139.92	2.20	2.23	.0300	1.00	1.21	.33
SIGA	49000	500.0	500.00	15.977	.156	16.133	.66786E-03	286.198	97.46	2.89	2.94	.0300	1.00	1.71	.27
SIGA	49500	500.0	500.00	16.347	.075	16.422	.49081E-03	412.529	194.17	2.10	2.12	.0300	1.00		.30
SIGA	50000	500.0	500.00	16.529	.149	16.678	.53131E-03	292.353	86.22	3.32	3.39	.0300	1.00		

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* * * Legend * * *

NAME ..... Section Name

DELTX .... Distance (M)

Q .... Discharge (M3/S)

H .... Stage (M)

V.H ...... Velocity Head (M) : V.H = ALPHA * V**2 / 19.6

TOTAL E ... Total Energy Head (M) : TOTAL E = H + V.H.

IE .... Energy Gradient : IE = (N*Q/(A*R**(2/3)))**2

A .... Discharge Area (M2)

B .... Width of Water Surface (M)

R .... Hydraulic Radius (M)

A/B ...... Hydraulic Depth (M)

N .... Roughness Coefficient

ALPHA .... Rectification Coefficient

V .... Velocity (M/S) : V = Q / A

FR .... Froude Number : FR = V/SQRT(9.8*(A/B)/ALPHA)

"Non-Uniform Flow, 1000m3/s. Sigatoka"

NAME	DELTX (M)	Q (M3/S)	H (M)	V.H (M)	TOTAL E (M)	IE	A (M2)	B (M)	R (M)	A/B (M)	N	ALPHA	V (M/S)	FR
SIGA	600 .0	1000.00	1.000	.169	1.169	.13233E-02	549.594	298.81	1.84	1.84	.0300	1.00	1.82	.43
SIGA	1000 400.0	1000.00	1.492	.141	1.633	.99731E-03	600.702	300.56	1.99	2.00	.0300	1.00	1.66	.38
SIGA	1185 185.0	1000.00	1.714	.020	1.733	.86421E-04	1607.023	563.28	2.85	2.85	.0300	1.00	.62	.12
SIGA	1500 315.0	1000.00	1.743	.024	1.767	.12860E-03	1453.618	591.38	2.46	2.46	.0300	1.00	.69	.14
SIGA	2000 500.0	1000.00	1.813	.047	1.360	.24358E-03	1036.669	409.60	2.52	2.53	.0300	1.00	.96	.19
SIGA	2500 500.0	1000.00	1.926	.040	1.966	.18045E-03	1124.797	400.60	2.30	2.81	.0300	1.00	.89	.17
SIGA	3000 500.0	1000.00	2.018	.044	2.062	.20298E-03	1073.613	389.47	2.75	2.76	.0300	1.00	.93	.18

SIGA	3500	500.0	1000.00	2.130	.057	2.187	.29336E-03	945.826	378.44	2.49	2.50	.0300	1.00	1.06	.21
SIGA	4000	500.0	1000.00	2.255	.081	2.336	.29424E-03	794.486	242.37	3.27	3.28	.0300	1.00	1.26	.22
SIGA	4500	500.0	1000.00	2.392	.060	2.452	.17023E-03	921.399	232.28	3.94	3.97	.0300	1.00	1.09	.17
SIGA	5000	500.0	1000.00	2.487	.063	2.550	.22272E-03	897.717	266.22	3.35	3.37	.0300	1.00	1.11	.19
SIGA	5500	500.0	1000.00	2.594	.067	2.660	.21822E-03	875.835	245.80	3.53	3.56	.0300	1.00	1.14	.19
SIGA	6000	500.0	1000.00	2.687	.073	2.765	.20030E-03	807.725	185.91	4.25	4.34	.0300	1.00	1.24	.20
SIGA	6500	500.0	1000.00	2.803	.071	2.874	.23705E-03	848.162	242.12	3.48	3.50	.0300	1.00	1.18	.21
SIGA	7000	500.0	1000.00	2.929	.074	3.003	.27664E-03	833.017	259.33	3.19	3.21	.0300	1.00	1.20	.22
SIGA	7500	500.0	1000.00	3.071	.072	3.143	.28562E-03	838.902	271.29	3.08	3.09	.0300	1.00	1.19	.21
SIGA	8000	500.0	1000.00	3.191	.087	3.273	.25525E-03	763.730	195.92	3.86	3.90	.0300	1.00	1.31	.18
SIGA	8500	500.0	1000.00	3.279	.105	3.384	.16798E-03	697.865	111.95	6.04	6.23	.0300	1.00	1.43	.22
SIGA	9000	500.0	1000.00	3.401	.095	3.495	.27746E-03	734.747	188.76	3.84	3.89	.0300	1.00	1.36	.19
SIGA	9500	500.0	1000.00	3.531	.085	3.616	.20311E-03	775.964	170.99	4.47	4.54	.0300	1.00	1.29	.25
SIGA	10000	500.0	1000.00	3.631	.125	3.755	.35536E-03	639.712	161.00	3.92	3.97	.0300	1.00	1.56	.24
SIGA	10500	500.0	1000.00	3.805	.117	3.923	.31547E-03	658.999	158.00	4.10	4.17	.0300	1.00	1.52	.21
SIGA	11000	500.0	1000.00	3.960	.100	4.060	.23358E-03	712.758	153.79	4.57	4.63	.0300	1.00	1.40	.18
SIGA	11500	500.0	1000.00	4.078	.084	4.162	.17441E-03	777.356	151.65	5.00	5.13	.0300	1.00	1.29	.26
SIGA	12000	500.0	1000.00	4.132	.162	4.294	.35343E-03	560.536	113.82	4.80	4.92	.0300	1.00	1.78	.23
SIGA	12500	500.0	1000.00	4.334	.122	4.456	.29319E-03	647.814	141.99	4.45	4.56	.0300	1.00	1.54	.22
SIGA	13000	500.0	1000.00	4.469	.124	4.593	.25668E-03	641.234	125.17	4.99	5.12	.0300	1.00	1.56	.23
SIGA	13500	500.0	1000.00	4.600	.131	4.731	.29227E-03	624.557	129.70	4.71	4.82	.0300	1.00	1.60	.26
SIGA	14000	500.0	1000.00	4.709	.183	4.892	.35409E-03	527.771	97.04	5.25	5.44	.0300	1.00	1.89	.18
SIGA	14500	500.0	1000.00	4.929	.092	5.021	.16327E-03	742.679	129.01	5.62	5.76	.0300	1.00	1.35	.21
SIGA	15000	500.0	1000.00	5.005	.118	5.123	.24095E-03	658.612	127.67	5.03	5.16	.0300	1.00	1.52	.19
SIGA	15500	500.0	1000.00	5.133	.100	5.233	.19909E-03	715.881	136.44	5.12	5.25	.0300	1.00	1.40	.20
SIGA	16000	500.0	1000.00	5.235	.100	5.334	.20866E-03	714.576	140.65	4.95	5.08	.0300	1.00	1.40	.20
SIGA	16500	500.0	1000.00	5.340	.098	5.438	.20536E-03	721.761	143.61	4.94	5.03	.0300	1.00	1.39	.23
SIGA	17000	500.0	1000.00	5.415	.142	5.557	.26990E-03	599.249	110.01	5.32	5.45	.0300	1.00	1.67	.17
SIGA	17500	500.0	1000.00	5.566	.096	5.661	.14851E-03	730.340	113.40	6.19	6.44	.0300	1.00	1.37	.21
SIGA	18000	500.0	1000.00	5.630	.127	5.757	.23476E-03	634.055	113.02	5.43	5.61	.0300	1.00	1.58	.21
SIGA	18500	500.0	1000.00	5.750	.145	5.895	.31548E-03	594.137	121.37	4.79	4.90	.0300	1.00	1.68	.18
SIGA	19000	500.0	1000.00	5.932	.099	6.032	.32257E-03	716.301	154.08	4.55	4.65	.0300	1.00	1.40	.21
SIGA	19500	500.0	1000.00	6.030	.100	6.130	.15990E-03	713.894	114.14	6.06	6.25	.0300	1.00	1.40	.23
SIGA	20000	500.0	1000.00	6.113	.115	6.229	.23564E-03	665.009	128.69	6.04	6.17	.0300	1.00	1.50	.24
SIGA	20500	500.0	1000.00	6.213	.144	6.357	.27640E-03	595.232	109.17	5.28	5.45	.0300	1.00	1.68	.20
SIGA	21000	500.0	1000.00	6.374	.129	6.503	.30839E-03	629.580	137.94	4.47	4.56	.0300	1.00	1.59	.28
SIGA	21500	500.0	1000.00	6.531	.104	6.635	.21900E-03	701.123	140.38	4.92	4.99	.0300	1.00	1.43	.23
SIGA	22000	500.0	1000.00	6.592	.199	6.791	.40623E-03	506.207	97.27	5.04	5.20	.0300	1.00	1.98	.21
SIGA	22500	500.0	1000.00	6.820	.143	6.963	.28017E-03	597.677	110.70	5.19	5.40	.0300	1.00	1.67	.23
SIGA	23000	500.0	1000.00	6.953	.135	7.088	.22258E-03	613.684	96.46	5.93	6.36	.0300	1.00	1.63	.20
SIGA	23500	500.0	1000.00	7.088	.118	7.215	.28325E-03	657.712	143.68	4.46	4.58	.0300	1.00	1.52	.13
SIGA	24000	500.0	1000.00	7.097	.094	7.338	.20739E-03	735.916	151.86	4.76	4.85	.0300	1.00	1.36	.19
SIGA	24500	500.0	1000.00	7.243	.050	7.411	.84367E-04	1009.702	170.74	5.82	5.91	.0300	1.00	0.99	.22
SIGA	25000	500.0	1000.00	7.360	.119	7.480	.19415E-03	656.038	104.87	5.95	6.26	.0300	1.00	1.52	.27
SIGA	25500	500.0	1000.00	7.362	.101	7.593	.25686E-03	711.129	163.68	4.27	4.34	.0300	1.00	1.41	.18
SIGA	26000	500.0	1000.00	7.492	.188	7.756	.39481E-03	520.722	103.53	4.94	5.03	.0300	1.00	1.92	.22
SIGA	26500	500.0	1000.00	7.568	.095	7.893	.15522E-03	732.188	119.28	4.96	6.14	.0300	1.00	1.37	.21
SIGA	27000	500.0	1000.00	7.798	.133	7.995	.25203E-03	618.639	111.97	5.34	5.53	.0300	1.00	1.62	.27
SIGA	27500	500.0	1000.00	7.862	.129	8.117	.23450E-03	629.975	110.84	5.48	5.68	.0300	1.00	1.59	.27
SIGA	28000	500.0	1000.00	7.988	.174	8.273	.38857E-03	541.645	111.49	4.71	4.86	.0300	1.00	1.85	.21
SIGA	28500	500.0	1000.00	8.099	.152	8.469	.39743E-03	578.560	135.45	4.19	4.27	.0300	1.00	1.73	.27

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SIGA	29000	500.0	1000.00	8.524	.076	8.600	.12489E-03	819.547	135.28	5.93	6.06	.0300	1.00	1.22	.16
SIGA	29500	500.0	1000.00	8.532	.181	8.713	.33038E-03	530.335	88.79	5.49	5.97	.0300	1.00	1.89	.25
SIGA	30000	500.0	1000.00	8.694	.196	8.890	.37395E-03	510.233	92.49	5.30	5.52	.0300	1.00	1.96	.27
SIGA	30500	500.0	1000.00	8.948	.079	9.026	.17274E-03	805.334	167.24	4.77	4.82	.0300	1.00	1.24	.18
SIGA	31000	500.0	1000.00	8.914	.286	9.200	.52172E-03	422.414	73.09	5.48	5.78	.0300	1.00	2.37	.31
SIGA	31500	500.0	1000.00	9.212	.182	9.394	.25369E-03	529.498	70.01	6.71	7.56	.0300	1.00	1.89	.22
SIGA	32000	500.0	1000.00	9.374	.255	9.629	.68805E-03	447.319	106.28	4.09	4.21	.0300	1.00	2.24	.35
SIGA	32500	500.0	1000.00	9.724	.197	9.921	.47890E-03	509.440	111.31	4.41	4.58	.0300	1.00	1.96	.29
SIGA	33000	500.0	1000.00	9.964	.166	10.130	.35916E-03	554.457	110.40	4.82	5.02	.0300	1.00	1.80	.26
SIGA	33500	500.0	1000.00	10.189	.058	10.247	.10846E-03	939.194	172.85	5.37	5.43	.0300	1.00	1.06	.15
SIGA	34000	500.0	1000.00	10.190	.271	10.460	.74447E-03	434.180	104.86	4.03	4.14	.0300	1.00	2.30	.36
SIGA	34500	500.0	1000.00	10.583	.116	10.699	.21114E-03	662.308	114.04	5.50	5.81	.0300	1.00	1.51	.20
SIGA	35000	500.0	1000.00	10.678	.126	10.804	.20723E-03	635.474	103.02	5.94	6.17	.0300	1.00	1.57	.20
SIGA	35500	500.0	1000.00	10.784	.125	10.909	.21209E-03	638.303	107.24	5.80	5.95	.0300	1.00	1.57	.21
SIGA	36000	500.0	1000.00	10.884	.301	11.185	.89038E-03	411.761	104.43	3.81	3.94	.0300	1.00	2.43	.39
SIGA	36500	500.0	1000.00	11.315	.247	11.562	.61912E-03	454.575	103.14	3.32	4.41	.0300	1.00	2.07	.33
SIGA	37000	500.0	1000.00	11.706	.218	11.924	.82771E-03	483.682	152.81	3.17	3.17	.0300	1.00	2.13	.37
SIGA	37500	500.0	1000.00	12.037	.231	12.268	.54986E-03	469.520	101.82	4.50	4.61	.0300	1.00	1.42	.32
SIGA	38000	500.0	1000.00	12.386	.104	12.489	.33517E-03	701.928	193.88	3.57	3.62	.0300	1.00	2.05	.24
SIGA	38500	500.0	1000.00	12.482	.215	12.697	.49483E-03	486.822	102.39	4.61	4.75	.0300	1.00	2.23	.30
SIGA	39000	500.0	1000.00	12.728	.253	12.981	.64140E-03	448.987	102.54	4.29	4.38	.0300	1.00	1.82	.34
SIGA	39500	500.0	1000.00	13.056	.170	13.225	.33588E-03	548.527	103.03	5.16	5.32	.0300	1.00	2.29	.25
SIGA	40000	500.0	1000.00	13.202	.269	13.471	.64502E-03	435.842	94.79	4.46	4.60	.0300	1.00	2.04	.34
SIGA	40500	500.0	1000.00	13.535	.213	13.748	.46419E-03	489.440	97.92	4.80	4.99	.0300	1.00	1.34	.29
SIGA	41000	500.0	1000.00	13.826	.091	13.917	.21401E-03	747.843	161.74	4.54	4.62	.0300	1.00	1.70	.20
SIGA	41500	500.0	1000.00	13.898	.148	14.046	.30061E-03	587.600	113.50	5.05	5.13	.0300	1.00	2.35	.24
SIGA	42000	500.0	1000.00	13.996	.281	14.276	.62041E-03	426.359	85.48	4.75	4.99	.0300	1.00	1.25	.34
SIGA	42500	500.0	1000.00	14.401	.080	14.481	.19771E-03	797.962	177.61	4.37	4.49	.0300	1.00	2.30	.19
SIGA	43000	500.0	1000.00	14.413	.270	14.682	.60883E-03	434.971	90.58	4.67	4.80	.0300	1.00	1.62	.34
SIGA	43500	500.0	1000.00	14.795	.135	14.930	.38081E-03	615.842	153.46	3.94	4.01	.0300	1.00	1.77	.26
SIGA	44000	500.0	1000.00	14.949	.160	15.109	.33710E-03	564.329	111.81	4.93	5.05	.0300	1.00	1.40	.25
SIGA	44500	500.0	1000.00	15.182	.100	15.282	.35189E-03	715.603	211.22	3.34	3.39	.0300	1.00	1.93	.24
SIGA	45000	500.0	1000.00	15.333	.190	15.523	.61347E-03	517.688	140.44	3.53	3.82	.0300	1.00	1.46	.32
SIGA	45500	500.0	1000.00	15.651	.109	15.760	.33333E-03	683.388	178.91	3.72	3.07	.0300	1.00	1.65	.24
SIGA	46000	500.0	1000.00	15.847	.139	15.986	.57083E-03	605.428	197.17	2.99	3.84	.0300	1.00	2.15	.30
SIGA	46500	500.0	1000.00	16.071	.236	16.307	.71400E-03	464.907	121.06	3.75	3.55	.0300	1.00	1.80	.35
SIGA	47000	500.0	1000.00	16.457	.165	16.621	.54277E-03	556.555	156.83	3.52	4.05	.0300	1.00	1.19	.30
SIGA	47500	500.0	1000.00	16.736	.072	16.807	.20119E-03	843.519	208.44	3.97	3.78	.0300	1.00	1.72	.19
SIGA	48000	500.0	1000.00	16.822	.152	16.974	.46406E-03	579.996	153.27	3.72	3.64	.0300	1.00	1.96	.28
SIGA	48500	500.0	1000.00	17.054	.196	17.249	.63866E-03	510.693	140.16	3.54	4.07	.0300	1.00	2.37	.33
SIGA	49000	500.0	1000.00	17.322	.288	17.610	.80348E-03	421.207	103.51	3.98	3.56	.0300	1.00	1.44	.38
SIGA	49500	500.0	1000.00	17.793	.106	17.899	.35421E-03	693.882	194.69	3.48	3.87	.0300	1.00	2.34	.24
SIGA	50000	500.0	1000.00	17.916	.279	18.195	.82708E-03	427.975	110.47	3.81		.0300	1.00		.38

*** Legend ***

NAME ..... Section Name
DELTX ..... Distance (M)
Q ..... Discharge (M3/S)
H ..... Stage (M)
V.H ..... Velocity Head (M) : V.H = ALPHA * V**2 / 19.6
TOTAL E ... Total Energy Head (M) : TOTAL E = H + V.H
IE ..... Energy Gradient : IE = (N*Q/(A*R**(2/3)))**2
A ..... Discharge Area (M2)
B ..... Width of Water Surface (M)
R ..... Hydraulic Radius (M)
A/B ..... Hydraulic Depth (M)
N ..... Roughness Coefficient
ALPHA ..... Rectification Coefficient
V ..... Velocity (M/S) : V = Q / A
FR ..... Froude Number : FR = V/SQRT(9.8*(A/B)/ALPHA)

"Non-Uniform Flow, 3000m3/s. Sigatoka"

NAME	DELTX (M)	Q (M3/S)	H (M)	V.H (M)	TOTAL E (M)	IE	A (M2)	B (M)	R (M)	A/B (M)	N	ALPHA	V (M/S)	FR
SIGA 600	.0	3000.00	1.343	1.077	2.420	.68391E-02	653.063	303.28	2.15	2.15	.0300	1.00	4.59	1.00
SIGA 1000	400.0	3000.00	3.653	.293	3.946	.79169E-03	1252.036	301.41	4.08	4.15	.0300	1.00	2.40	.38
SIGA 1185	185.0	3000.00	3.975	.055	4.030	.11194E-03	2880.606	563.28	5.07	5.11	.0300	1.00	1.04	.15
SIGA 1500	315.0	3000.00	4.010	.059	4.068	.13222E-03	2796.246	592.48	4.68	4.72	.0300	1.00	1.07	.16
SIGA 2000	500.0	3000.00	4.048	.120	4.169	.26931E-03	1952.999	409.90	4.71	4.76	.0300	1.00	1.54	.22
SIGA 2500	500.0	3000.00	4.182	.111	4.294	.23027E-03	2031.104	401.87	4.99	5.05	.0300	1.00	1.48	.21
SIGA 3000	500.0	3000.00	4.295	.119	4.413	.24863E-03	1967.119	392.73	4.94	4.94	.0300	1.00	1.53	.22

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SIGA	3500	500.0	3000.00	4.415	.138	4.553	.31191E-03	1821.845	384.76	4.68	4.74	.0300	1.00	1.65	.24
SIGA	4000	500.0	3000.00	4.498	.252	4.751	.47645E-03	1349.021	249.10	5.34	5.42	.0300	1.00	2.22	.31
SIGA	4500	500.0	3000.00	4.746	.209	4.955	.34073E-03	1483.844	246.51	5.96	6.02	.0300	1.00	2.02	.26
SIGA	5000	500.0	3000.00	4.934	.189	5.123	.33232E-03	1557.136	272.22	5.65	5.72	.0300	1.00	1.93	.26
SIGA	5500	500.0	3000.00	5.100	.192	5.292	.34500E-03	1545.586	274.83	5.55	5.62	.0300	1.00	1.94	.26
SIGA	6000	500.0	3000.00	5.200	.281	5.481	.40811E-03	1278.697	189.15	5.50	6.76	.0300	1.00	2.35	.29
SIGA	6500	500.0	3000.00	5.463	.203	5.666	.33342E-03	1503.813	250.28	5.93	6.01	.0300	1.00	1.99	.26
SIGA	7000	500.0	3000.00	5.639	.193	5.832	.33096E-03	1542.058	263.27	5.75	5.86	.0300	1.00	1.95	.26
SIGA	7500	500.0	3000.00	5.817	.177	5.995	.31884E-03	1608.969	286.93	5.55	5.61	.0300	1.00	1.86	.25
SIGA	8000	500.0	3000.00	5.916	.262	6.178	.41317E-03	1324.735	213.38	6.11	6.21	.0300	1.00	2.26	.29
SIGA	8500	500.0	3000.00	5.972	.437	6.409	.51286E-03	1024.821	129.65	7.64	7.90	.0300	1.00	2.93	.33
SIGA	9000	500.0	3000.00	6.365	.270	6.636	.39463E-03	1303.023	194.62	6.48	6.70	.0300	1.00	2.30	.28
SIGA	9500	500.0	3000.00	6.553	.270	6.822	.35113E-03	1305.057	178.53	7.06	7.31	.0300	1.00	2.53	.27
SIGA	10000	500.0	3000.00	6.711	.327	7.037	.50836E-03	1185.528	188.06	6.17	6.30	.0300	1.00	2.54	.32
SIGA	10500	500.0	3000.00	6.952	.328	7.280	.46268E-03	1182.962	173.76	6.65	6.81	.0300	1.00	2.47	.31
SIGA	11000	500.0	3000.00	7.180	.311	7.491	.38075E-03	1214.419	157.41	7.40	7.71	.0300	1.00	2.32	.28
SIGA	11500	500.0	3000.00	7.390	.274	7.665	.31310E-03	1293.594	159.02	7.80	8.13	.0300	1.00	3.01	.26
SIGA	12000	500.0	3000.00	7.451	.461	7.912	.67584E-03	997.866	150.06	6.46	6.65	.0300	1.00	2.51	.37
SIGA	12500	500.0	3000.00	7.863	.322	8.184	.41462E-03	1194.587	160.07	7.12	7.46	.0300	1.00	2.73	.29
SIGA	13000	500.0	3000.00	8.015	.381	8.396	.43157E-03	1097.587	132.26	7.84	8.30	.0300	1.00	2.61	.30
SIGA	13500	500.0	3000.00	8.269	.346	8.616	.44706E-03	1151.513	157.45	7.11	7.31	.0300	1.00	3.38	.31
SIGA	14000	500.0	3000.00	8.309	.582	8.890	.65071E-03	888.585	104.13	7.91	8.53	.0300	1.00	2.34	.37
SIGA	14500	500.0	3000.00	8.844	.280	9.124	.28383E-03	1280.268	144.66	7.52	8.35	.0300	1.00	2.48	.25
SIGA	15000	500.0	3000.00	8.971	.315	9.285	.36179E-03	1208.113	150.55	7.75	8.02	.0300	1.00	2.28	.28
SIGA	15500	500.0	3000.00	9.182	.266	9.448	.29989E-03	1314.442	156.29	8.06	8.41	.0300	1.00	2.25	.28
SIGA	16000	500.0	3000.00	9.332	.257	9.590	.27600E-03	1335.952	156.66	8.17	8.53	.0300	1.00	2.23	.25
SIGA	16500	500.0	3000.00	9.472	.254	9.725	.26735E-03	1345.248	155.56	8.28	8.65	.0300	1.00	2.71	.25
SIGA	17000	500.0	3000.00	9.527	.374	9.901	.43523E-03	1108.074	140.19	7.68	7.90	.0300	1.00	2.26	.24
SIGA	17500	500.0	3000.00	9.820	.261	10.081	.28517E-03	1325.406	157.60	8.06	8.41	.0300	1.00	2.56	.31
SIGA	18000	500.0	3000.00	9.904	.334	10.238	.34420E-03	1172.593	132.54	8.41	8.85	.0300	1.00	2.53	.25
SIGA	18500	500.0	3000.00	10.077	.339	10.417	.36950E-03	1163.118	138.32	8.08	8.41	.0300	1.00	2.03	.27
SIGA	19000	500.0	3000.00	10.360	.209	10.569	.23967E-03	1481.293	182.36	7.77	8.12	.0300	1.00	2.40	.28
SIGA	19500	500.0	3000.00	10.402	.295	10.696	.26839E-03	1248.612	127.33	9.23	9.81	.0300	1.00	2.38	.23
SIGA	20000	500.0	3000.00	10.547	.289	10.835	.28868E-03	1261.056	139.84	8.61	9.02	.0300	1.00	2.78	.25
SIGA	20500	500.0	3000.00	10.607	.395	11.002	.37784E-03	1077.990	109.90	8.90	9.81	.0300	1.00	2.33	.25
SIGA	21000	500.0	3000.00	10.895	.277	11.171	.29966E-03	1288.264	151.40	8.11	8.51	.0300	1.00	2.14	.28
SIGA	21500	500.0	3000.00	11.075	.234	11.309	.25100E-03	1401.427	166.19	8.16	8.43	.0300	1.00	3.07	.26
SIGA	22000	500.0	3000.00	11.018	.481	11.499	.50871E-03	976.762	111.90	8.26	8.73	.0300	1.00	2.62	.24
SIGA	22500	500.0	3000.00	11.367	.350	11.717	.36403E-03	1145.152	130.47	8.36	8.78	.0300	1.00	2.76	.33
SIGA	23000	500.0	3000.00	11.516	.387	11.903	.37921E-03	1088.785	112.25	8.75	9.70	.0300	1.00	1.94	.28
SIGA	23500	500.0	3000.00	11.866	.192	12.053	.24006E-03	1548.150	204.02	7.27	7.59	.0300	1.00	1.98	.22
SIGA	24000	500.0	3000.00	11.969	.201	12.170	.20729E-03	1512.419	172.17	8.40	8.78	.0300	1.00	1.57	.21
SIGA	24500	500.0	3000.00	12.125	.126	12.251	.11683E-03	1910.610	205.42	9.10	9.30	.0300	1.00	2.51	.16
SIGA	25000	500.0	3000.00	12.034	.323	12.356	.30522E-03	1193.197	125.26	8.97	9.53	.0300	1.00	1.83	.26
SIGA	25500	500.0	3000.00	12.311	.171	12.482	.19924E-03	1638.729	209.02	7.67	7.84	.0300	1.00	2.81	.21
SIGA	26000	500.0	3000.00	12.239	.403	12.642	.43996E-03	1067.432	128.57	8.06	8.30	.0300	1.00	2.26	.31
SIGA	26500	500.0	3000.00	12.548	.260	12.809	.22689E-03	1327.820	128.40	9.55	10.18	.0300	1.00	2.59	.23
SIGA	27000	500.0	3000.00	12.602	.342	12.944	.31395E-03	1159.127	130.46	9.17	10.14	.0300	1.00	2.52	.26
SIGA	27500	500.0	3000.00	12.776	.324	13.099	.30715E-03	1191.012	114.36	8.95	9.66	.0300	1.00	2.67	.29
SIGA	28000	500.0	3000.00	12.910	.364	13.275	.39444E-03	1122.755	123.33	8.11	8.48	.0300	1.00	2.26	.26
SIGA	28500	500.0	3000.00	13.188	.261	13.449	.30455E-03	1325.284	132.46	7.68	7.88	.0300	1.00		

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SIGA	29000	500.0	3000.00	13.371	.198	13.569	.17174E-03	1524.364	153.03	9.56	9.96	.0300	1.00	1.97	.20
SIGA	29500	500.0	3000.00	13.229	.502	13.731	.47893E-03	956.093	91.89	8.92	10.40	.0300	1.00	3.14	.31
SIGA	30000	500.0	3000.00	13.530	.430	13.969	.47241E-03	1023.209	119.53	8.14	8.56	.0300	1.00	2.93	.32
SIGA	30500	500.0	3000.00	13.968	.157	14.126	.15481E-03	1707.723	192.22	8.72	8.88	.0300	1.00	1.76	.19
SIGA	31000	500.0	3000.00	13.603	.744	14.347	.73036E-03	785.541	79.99	8.73	8.82	.0300	1.00	3.82	.39
SIGA	31500	500.0	3000.00	14.047	.609	14.657	.50807E-03	868.043	70.01	9.87	12.40	.0300	1.00	3.46	.31
SIGA	32000	500.0	3000.00	14.485	.422	14.907	.49097E-03	1043.344	126.97	7.68	8.22	.0300	1.00	2.88	.32
SIGA	32500	500.0	3000.00	14.739	.390	15.129	.39822E-03	1085.436	116.05	8.47	9.35	.0300	1.00	2.76	.29
SIGA	33000	500.0	3000.00	14.956	.362	15.318	.35756E-03	1126.620	118.85	8.68	9.48	.0300	1.00	2.66	.28
SIGA	33500	500.0	3000.00	15.305	.131	15.436	.11383E-03	1875.142	188.89	9.54	9.93	.0300	1.00	1.60	.16
SIGA	34000	500.0	3000.00	15.114	.483	15.597	.53007E-03	975.529	110.71	8.02	9.81	.0300	1.00	3.08	.33
SIGA	34500	500.0	3000.00	15.493	.303	15.796	.26924E-03	1230.840	116.17	9.41	10.60	.0300	1.00	2.44	.24
SIGA	35000	500.0	3000.00	15.643	.295	15.938	.29714E-03	1247.956	138.70	8.56	9.00	.0300	1.00	2.40	.26
SIGA	35500	500.0	3000.00	15.776	.306	16.082	.27861E-03	1225.403	127.42	9.23	9.62	.0300	1.00	2.45	.25
SIGA	36000	500.0	3000.00	15.800	.494	16.294	.57040E-03	963.804	116.13	7.73	8.30	.0300	1.00	3.11	.35
SIGA	36500	500.0	3000.00	16.122	.447	16.569	.52924E-03	1013.018	129.53	7.59	7.82	.0300	1.00	2.96	.34
SIGA	37000	500.0	3000.00	16.502	.291	16.793	.36794E-03	1256.371	168.83	7.22	7.44	.0300	1.00	2.39	.28
SIGA	37500	500.0	3000.00	16.554	.477	17.031	.58310E-03	980.905	127.82	7.41	7.67	.0300	1.00	3.06	.35
SIGA	38000	500.0	3000.00	17.059	.168	17.227	.19925E-03	1653.806	213.33	7.57	7.75	.0300	1.00	1.81	.21
SIGA	38500	500.0	3000.00	16.891	.520	17.412	.54061E-03	939.535	102.67	8.36	9.15	.0300	1.00	3.19	.34
SIGA	39000	500.0	3000.00	17.137	.565	17.701	.61821E-03	901.815	102.71	8.04	8.78	.0300	1.00	3.33	.36
SIGA	39500	500.0	3000.00	17.550	.413	17.963	.42845E-03	1054.670	119.25	8.37	8.84	.0300	1.00	2.84	.31
SIGA	40000	500.0	3000.00	17.731	.503	18.234	.65505E-03	955.681	130.24	7.06	7.34	.0300	1.00	3.14	.37
SIGA	40500	500.0	3000.00	18.014	.520	18.534	.54602E-03	939.306	103.13	8.30	9.11	.0300	1.00	3.19	.34
SIGA	41000	500.0	3000.00	18.539	.183	18.721	.20208E-03	1585.940	193.65	7.98	8.19	.0300	1.00	1.89	.21
SIGA	41500	500.0	3000.00	18.494	.365	18.860	.35114E-03	1121.427	116.44	8.86	9.63	.0300	1.00	2.68	.28
SIGA	42000	500.0	3000.00	18.445	.686	19.131	.73500E-03	818.034	88.36	8.18	9.26	.0300	1.00	3.67	.39
SIGA	42500	500.0	3000.00	19.192	.165	19.357	.16745E-03	1668.687	183.86	8.51	9.08	.0300	1.00	1.80	.19
SIGA	43000	500.0	3000.00	19.037	.528	19.564	.66388E-03	932.647	124.34	7.25	7.50	.0300	1.00	3.22	.38
SIGA	43500	500.0	3000.00	19.626	.160	19.786	.22143E-03	1694.636	244.79	6.74	6.92	.0300	1.00	1.77	.21
SIGA	44000	500.0	3000.00	19.574	.361	19.935	.37369E-03	1128.364	129.35	8.38	8.72	.0300	1.00	2.66	.29
SIGA	44500	500.0	3000.00	19.935	.136	20.071	.17047E-03	1839.259	246.67	7.26	7.46	.0300	1.00	2.63	.19
SIGA	45000	500.0	3000.00	19.953	.281	20.234	.48324E-03	1277.760	216.27	5.74	5.91	.0300	1.00	2.35	.31
SIGA	45500	500.0	3000.00	20.236	.176	20.412	.22727E-03	1616.841	221.21	7.10	7.31	.0300	1.00	1.86	.22
SIGA	46000	500.0	3000.00	20.338	.197	20.535	.26557E-03	1527.015	213.76	6.88	7.14	.0300	1.00	1.96	.23
SIGA	46500	500.0	3000.00	20.305	.439	20.745	.57285E-03	1022.603	140.23	7.05	7.29	.0300	1.00	2.93	.35
SIGA	47000	500.0	3000.00	20.688	.294	20.982	.37628E-03	1249.338	168.33	7.16	7.42	.0300	1.00	2.40	.28
SIGA	47500	500.0	3000.00	20.964	.154	21.118	.16858E-03	1724.811	208.44	8.06	8.27	.0300	1.00	1.74	.19
SIGA	48000	500.0	3000.00	20.940	.313	21.253	.37148E-03	1211.167	153.27	7.57	7.90	.0300	1.00	2.48	.28
SIGA	48500	500.0	3000.00	21.071	.398	21.469	.49287E-03	1073.736	140.16	7.34	7.56	.0300	1.00	2.79	.32
SIGA	49000	500.0	3000.00	21.170	.533	21.802	.84021E-03	851.800	116.83	6.96	7.29	.0300	1.00	3.52	.42
SIGA	49500	500.0	3000.00	21.869	.208	22.077	.25803E-03	1487.458	194.69	7.31	7.64	.0300	1.00	2.02	.23
SIGA	50000	500.0	3000.00	21.875	.457	22.332	.76312E-03	1002.381	167.00	5.86	6.00	.0300	1.00	2.99	.39

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*** Legend ***

NAME ······ Section Name

DELTX ····· Distance (M)

Q ········ Discharge (M3/S)

H ········ Stage (M)

V.H ······ Velocity Head (M) : V.H = ALPHA * V**2 / 19.6

TOTAL E ··· Total Energy Head (M) : TOTAL E = H + V.H

IE ······· Energy Gradient : IE = (N*Q/(A*R**(2/3)))**2

A ········ Discharge Area (M2)

B ········ Width of Water Surface (M)

R ········ Hydraulic Radius (M)

A/B ······ Hydraulic Depth (M)

N ········ Roughness Coefficient

ALPHA ····· Rectification Coefficient

V ········ Velocity (M/S) : V = Q / A

FR ······· Froude Number : FR = V/SQRT(9.8*(A/B)/ALPHA)

"Non-Uniform Flow, 5000m3/s, Sigatoka"

NAME	DELTX (M)	Q (M3/S)	H (M)	V.H (M)	TOTAL E (M)	IE	A (M2)	B (M)	R (M)	A/B (M)	N	ALPHA	V (M/S)	FR
SIGA	600 0	5000.00	2.222	1.502	3.724	.61539E-02	921.459	306.70	2.99	3.00	.0300	1.00	5.43	1.00
SIGA	1000 400.0	5000.00	4.640	.531	5.172	.10857E-02	1549.560	301.41	5.04	5.14	.0300	1.00	3.23	.45
SIGA	1185 185.0	5000.00	5.186	.100	5.286	.15336E-03	3562.896	563.28	6.27	6.33	.0300	1.00	1.40	.18
SIGA	1500 315.0	5000.00	5.235	.103	5.337	.17092E-03	3521.993	592.48	5.88	5.94	.0300	1.00	1.42	.19
SIGA	2000 500.0	5000.00	5.256	.213	5.469	.35403E-03	2447.925	409.90	5.88	5.97	.0300	1.00	2.04	.27
SIGA	2500 500.0	5000.00	5.436	.199	5.634	.30788E-03	2534.757	401.87	6.19	6.31	.0300	1.00	1.97	.25
SIGA	3000 500.0	5000.00	5.584	.209	5.792	.32427E-03	2473.325	392.73	6.18	6.30	.0300	1.00	2.02	.26

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SIGA	3500	500.0	5000.00	5.734	.235	5.969	.38414E-03	2329.353	384.76	5.96	6.05	.0300	1.00	2.15	.28
SIGA	4000	500.0	5000.00	5.772	.459	6.231	.66333E-03	1666.230	249.10	6.53	6.69	.0300	1.00	3.00	.37
SIGA	4500	500.0	5000.00	6.138	.380	6.513	.48510E-03	1831.738	251.47	7.17	7.28	.0300	1.00	2.73	.32
SIGA	5000	500.0	5000.00	6.416	.332	6.748	.43431E-03	1961.312	272.64	7.03	7.19	.0300	1.00	2.55	.30
SIGA	5500	500.0	5000.00	6.638	.328	6.966	.43689E-03	1971.854	278.86	6.94	7.07	.0300	1.00	2.54	.30
SIGA	6000	500.0	5000.00	6.703	.521	7.224	.59428E-03	1564.826	190.87	7.80	8.20	.0300	1.00	3.36	.36
SIGA	6500	500.0	5000.00	7.132	.344	7.477	.41713E-03	1924.597	252.86	7.34	7.61	.0300	1.00	2.60	.30
SIGA	7000	500.0	5000.00	7.359	.320	7.680	.39625E-03	1994.958	263.27	7.19	7.53	.0300	1.00	2.51	.29
SIGA	7500	500.0	5000.00	7.585	.284	7.869	.36131E-03	2118.622	288.75	7.64	7.34	.0300	1.00	2.36	.28
SIGA	8000	500.0	5000.00	7.647	.442	8.089	.51854E-03	1698.533	216.51	8.80	7.85	.0300	1.00	2.94	.34
SIGA	8500	500.0	5000.00	7.590	.831	8.421	.30704E-03	1239.036	134.65	8.12	9.20	.0300	1.00	4.04	.42
SIGA	9000	500.0	5000.00	8.293	.451	8.744	.48705E-03	1681.853	198.18	6.73	8.49	.0300	1.00	2.97	.33
SIGA	9500	500.0	5000.00	8.516	.464	8.980	.45543E-03	1657.345	180.93	7.91	9.16	.0300	1.00	3.02	.32
SIGA	10000	500.0	5000.00	8.719	.520	9.239	.58186E-03	1566.288	191.10	8.33	8.20	.0300	1.00	3.19	.36
SIGA	10500	500.0	5000.00	8.990	.534	9.524	.55845E-03	1544.855	178.67	9.13	8.65	.0300	1.00	3.24	.35
SIGA	11000	500.0	5000.00	9.252	.536	9.788	.49539E-03	1542.646	159.17	9.56	9.69	.0300	1.00	3.24	.33
SIGA	11500	500.0	5000.00	9.540	.475	10.015	.41336E-03	1638.327	161.53	8.11	9.14	.0300	1.00	3.05	.31
SIGA	12000	500.0	5000.00	9.590	.725	10.314	.78443E-03	1326.732	156.76	8.91	8.46	.0300	1.00	3.77	.41
SIGA	12500	500.0	5000.00	10.111	.524	10.636	.50085E-03	1559.514	164.39	9.50	9.49	.0300	1.00	3.21	.33
SIGA	13000	500.0	5000.00	10.252	.652	10.904	.57185E-03	1398.435	136.73	9.06	9.23	.0300	1.00	3.58	.36
SIGA	13500	500.0	5000.00	10.628	.547	11.174	.41400E-03	1527.502	160.70	9.49	9.51	.0300	1.00	3.27	.34
SIGA	14000	500.0	5000.00	10.510	1.015	11.525	.51069E-03	1120.908	106.97	10.45	10.48	.0300	1.00	3.46	.44
SIGA	14500	500.0	5000.00	11.372	.466	11.838	.89111E-03	1654.504	150.64	9.90	10.98	.0300	1.00	4.02	.29
SIGA	15000	500.0	5000.00	11.530	.502	12.032	.35987E-03	1593.597	150.64	10.08	10.58	.0300	1.00	3.14	.31
SIGA	15500	500.0	5000.00	11.797	.425	12.222	.41695E-03	1731.531	161.46	10.35	10.72	.0300	1.00	2.89	.28
SIGA	16000	500.0	5000.00	11.974	.415	12.390	.34471E-03	1752.211	157.93	10.43	11.09	.0300	1.00	2.85	.27
SIGA	16500	500.0	5000.00	12.141	.409	12.550	.32502E-03	1765.174	158.27	9.63	11.15	.0300	1.00	2.83	.27
SIGA	17000	500.0	5000.00	12.180	.572	12.753	.31704E-03	1492.758	149.59	10.14	9.98	.0300	1.00	2.83	.34
SIGA	17500	500.0	5000.00	12.550	.408	12.958	.49314E-03	1768.430	165.44	10.55	10.69	.0300	1.00	3.35	.28
SIGA	18000	500.0	5000.00	12.600	.543	13.143	.32792E-03	1532.350	133.76	10.60	11.46	.0300	1.00	2.83	.31
SIGA	18500	500.0	5000.00	12.822	.532	13.353	.42496E-03	1549.067	142.97	10.18	10.83	.0300	1.00	3.26	.31
SIGA	19000	500.0	5000.00	13.205	.318	13.523	.25442E-03	2002.421	183.25	10.18	10.93	.0300	1.00	3.23	.24
SIGA	19500	500.0	5000.00	13.175	.497	13.672	.34261E-03	1601.754	127.33	11.38	12.58	.0300	1.00	2.50	.28
SIGA	20000	500.0	5000.00	13.383	.460	13.843	.34062E-03	1664.313	143.30	10.79	11.62	.0300	1.00	3.12	.28
SIGA	20500	500.0	5000.00	13.379	.667	14.046	.47213E-03	1382.644	109.90	11.16	12.58	.0300	1.00	3.00	.33
SIGA	21000	500.0	5000.00	13.827	.420	14.247	.33190E-03	1743.193	158.83	10.26	10.98	.0300	1.00	3.62	.28
SIGA	21500	500.0	5000.00	14.053	.347	14.400	.27909E-03	1918.088	180.52	10.13	10.63	.0300	1.00	2.87	.26
SIGA	22000	500.0	5000.00	13.862	.755	14.617	.58918E-03	1299.597	114.88	10.37	11.31	.0300	1.00	2.61	.37
SIGA	22500	500.0	5000.00	14.329	.538	14.867	.41010E-03	1539.414	135.62	10.55	11.35	.0300	1.00	3.85	.31
SIGA	23000	500.0	5000.00	14.466	.621	15.087	.47063E-03	1433.225	119.34	10.60	12.01	.0300	1.00	3.25	.32
SIGA	23500	500.0	5000.00	14.995	.265	15.260	.22025E-03	2195.343	209.00	9.88	10.50	.0300	1.00	3.49	.22
SIGA	24000	500.0	5000.00	15.260	.301	15.343	.22195E-03	2059.357	177.82	10.81	11.58	.0300	1.00	3.32	.23
SIGA	24500	500.0	5000.00	15.370	.193	15.458	.12960E-03	2568.595	212.26	11.62	12.10	.0300	1.00	2.28	.18
SIGA	25000	500.0	5000.00	15.265	.506	15.581	.36027E-03	1587.026	131.93	11.11	12.03	.0300	1.00	2.43	.29
SIGA	25500	500.0	5000.00	15.074	.237	15.718	.18756E-03	2318.862	218.36	10.27	10.62	.0300	1.00	1.95	.21
SIGA	26000	500.0	5000.00	15.480	.589	15.881	.46761E-03	1471.932	136.38	10.23	10.79	.0300	1.00	3.15	.33
SIGA	26500	500.0	5000.00	15.293	.422	16.067	.27627E-03	1737.802	132.88	11.83	13.08	.0300	1.00	2.16	.25
SIGA	27000	500.0	5000.00	15.645	.559	16.230	.37522E-03	1510.052	114.36	11.61	13.20	.0300	1.00	3.40	.29
SIGA	27500	500.0	5000.00	15.671	.504	16.415	.36431E-03	1590.229	131.32	10.99	12.11	.0300	1.00	2.88	.29
SIGA	28000	500.0	5000.00	15.911	.531	16.607	.40409E-03	1550.380	136.75	10.56	11.34	.0300	1.00	3.31	.31
SIGA	28500	500.0	5000.00	16.077	.353	16.781	.28944E-03	1399.708	182.94	10.00	10.38	.0300	1.00	3.14	.26
SIGA		500.0	5000.00	16.427										2.63	

SIGA	29000	500.0	5000.00	16.592	.311	16.903	.19904E-03	2026.355	157.68	12.02	12.85	.0300	1.00	2.47	.22
SIGA	29500	500.0	5000.00	16.269	.836	17.105	.60859E-03	1235.449	91.89	10.92	13.44	.0300	1.00	4.05	.35
SIGA	30000	500.0	5000.00	16.748	.632	17.381	.49478E-03	1420.249	127.26	10.35	11.16	.0300	1.00	3.52	.34
SIGA	30500	500.0	5000.00	17.318	.226	17.543	.15704E-03	2377.228	202.77	11.30	11.72	.0300	1.00	2.10	.20
SIGA	31000	500.0	5000.00	16.609	1.201	17.810	.90923E-03	1030.593	82.79	10.60	12.45	.0300	1.00	4.85	.44
SIGA	31500	500.0	5000.00	17.130	1.086	18.215	.71256E-03	1083.834	70.01	11.81	15.48	.0300	1.00	4.61	.37
SIGA	32000	500.0	5000.00	17.947	.562	18.509	.46337E-03	1506.057	137.93	9.95	10.92	.0300	1.00	3.32	.32
SIGA	32500	500.0	5000.00	18.146	.582	18.728	.41078E-03	1480.852	116.05	11.17	12.76	.0300	1.00	3.38	.30
SIGA	33000	500.0	5000.00	18.391	.535	18.926	.38048E-03	1543.734	122.77	11.12	12.57	.0300	1.00	3.24	.29
SIGA	33500	500.0	5000.00	18.855	.196	19.051	.11959E-03	2551.819	191.15	12.46	13.35	.0300	1.00	1.96	.17
SIGA	34000	500.0	5000.00	18.513	.693	19.211	.52233E-03	1351.867	110.71	10.70	12.21	.0300	1.00	3.07	.34
SIGA	34500	500.0	5000.00	18.939	.479	19.418	.30523E-03	1631.101	116.17	12.08	14.04	.0300	1.00	3.70	.26
SIGA	35000	500.0	5000.00	19.150	.417	19.568	.29314E-03	1748.303	144.35	11.22	12.11	.0300	1.00	2.86	.26
SIGA	35500	500.0	5000.00	19.236	.456	19.715	.29556E-03	1673.204	128.67	11.91	13.00	.0300	1.00	2.99	.26
SIGA	36000	500.0	5000.00	19.607	.687	19.922	.53430E-03	1362.803	116.13	10.39	11.74	.0300	1.00	3.67	.34
SIGA	36500	500.0	5000.00	20.001	.569	20.176	.48162E-03	1496.744	148.13	9.76	10.10	.0300	1.00	3.34	.34
SIGA	37000	500.0	5000.00	19.955	.371	20.371	.29845E-03	1855.299	173.22	10.12	10.71	.0300	1.00	2.69	.26
SIGA	37500	500.0	5000.00	20.522	.619	20.574	.51336E-03	1435.581	137.85	10.61	10.41	.0300	1.00	3.48	.34
SIGA	38000	500.0	5000.00	20.140	.222	20.745	.16831E-03	2395.075	214.05	11.11	11.19	.0300	1.00	2.09	.20
SIGA	38500	500.0	5000.00	20.386	.787	20.927	.55977E-03	1273.036	102.67	10.78	12.40	.0300	1.00	3.93	.36
SIGA	39000	500.0	5000.00	20.886	.836	21.221	.61893E-03	1235.540	102.71	10.88	12.03	.0300	1.00	4.05	.37
SIGA	39500	500.0	5000.00	21.086	.600	21.486	.43856E-03	1458.372	121.33	9.66	12.02	.0300	1.00	3.43	.32
SIGA	40000	500.0	5000.00	21.240	.649	21.735	.55687E-03	1401.689	135.69	10.60	10.33	.0300	1.00	3.57	.35
SIGA	40500	500.0	5000.00	21.971	.783	22.022	.59313E-03	1276.597	105.06	10.57	12.15	.0300	1.00	3.92	.36
SIGA	41000	500.0	5000.00	21.796	.246	22.217	.18737E-03	2275.388	206.26	11.59	11.03	.0300	1.00	2.20	.21
SIGA	41500	500.0	5000.00	21.595	.562	22.359	.37833E-03	1505.903	116.44	10.54	12.93	.0300	1.00	3.32	.29
SIGA	42000	500.0	5000.00	22.660	1.061	22.656	.81029E-03	1096.364	88.36	11.46	12.41	.0300	1.00	4.56	.41
SIGA	42500	500.0	5000.00	22.412	.240	22.899	.16365E-03	2306.286	183.86	10.56	12.54	.0300	1.00	2.17	.20
SIGA	43000	500.0	5000.00	23.080	.675	23.087	.58671E-03	1374.912	137.89	9.67	9.97	.0300	1.00	3.64	.37
SIGA	43500	500.0	5000.00	22.898	.195	23.276	.16730E-03	2555.646	253.74	9.80	10.07	.0300	1.00	1.96	.20
SIGA	44000	500.0	5000.00	23.369	.515	23.412	.38069E-03	1574.341	137.99	10.79	11.41	.0300	1.00	3.18	.30
SIGA	44500	500.0	5000.00	23.373	.174	23.543	.14125E-03	2704.992	257.60	10.08	10.50	.0300	1.00	1.85	.18
SIGA	45000	500.0	5000.00	23.567	.283	23.662	.33414E-03	2121.315	271.78	7.61	7.81	.0300	1.00	2.36	.27
SIGA	45500	500.0	5000.00	23.642	.226	23.793	.19024E-03	2375.220	234.16	9.80	10.14	.0300	1.00	2.11	.21
SIGA	46000	500.0	5000.00	23.504	.253	23.895	.21734E-03	2245.184	220.44	9.65	10.19	.0300	1.00	2.23	.22
SIGA	46500	500.0	5000.00	23.892	.573	24.077	.51250E-03	1491.554	153.00	9.36	9.75	.0300	1.00	3.35	.34
SIGA	47000	500.0	5000.00	24.188	.396	24.288	.33127E-03	1794.398	170.42	9.84	10.53	.0300	1.00	2.79	.27
SIGA	47500	500.0	5000.00	24.090	.222	24.410	.15679E-03	2396.940	208.44	11.17	11.50	.0300	1.00	2.09	.20
SIGA	48000	500.0	5000.00	24.170	.444	24.535	.34038E-03	1693.974	153.27	10.51	11.05	.0300	1.00	2.95	.28
SIGA	48500	500.0	5000.00	24.167	.561	24.731	.44367E-03	1508.076	140.16	10.26	10.76	.0300	1.00	3.32	.32
SIGA	49000	500.0	5000.00	25.040	.873	25.040	.79425E-03	1208.825	121.38	9.24	9.96	.0300	1.00	4.14	.42
SIGA	49500	500.0	5000.00	25.006	.290	25.296	.22935E-03	2098.160	194.69	10.26	10.78	.0300	1.00	2.38	.23
SIGA	50000	500.0	5000.00	24.936	.557	25.493	.55875E-03	1513.560	167.00	8.58	9.06	.0300	1.00	3.30	.35

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Data3-84

*** Legend ***

NAME ...... Section Name
DELTX ..... Distance (M)
Q .... Discharge (M3/S)
H .... Stage (M)
V.H .... Velocity Head (M) : V.H = ALPHA * V**2 / 19.6
TOTAL E ... Total Energy Head (M) : TOTAL E = H + V.H.
IE .... Energy Gradient : IE = (N*Q/(A*R**(2/3)))**2
A .... Discharge Area (M2)
B .... Width of Water Surface (M)
R .... Hydraulic Radius (M)
A/B .... Hydraulic Depth (M)
N .... Roughness Coefficient
ALPHA ..... Rectification Coefficient
V .... Velocity (M/S) : V = Q / A
FR .... Froude Number : FR = V/SQRT(9.8*(A/B)/ALPHA)

"Non-Uniform Flow, 10,000m3/s. Sigatoka"

NAME	DELTX (M)	Q (M3/S)	H (M)	V.H (M)	TOTAL E (M)	IE	A (M2)	B (M)	R (M)	A/B (M)	N	ALPHA	V (M/S)	FR
SIGA	600 0	10000.00	3.986	2.385	6.371	.53460E-02	1452.725	306.70	4.70	4.77	.0300	1.00	6.84	1.00
SIGA	1000 400.0	10000.00	6.629	1.105	7.734	.14685E-02	2148.935	301.41	6.95	7.13	.0300	1.00	4.65	.56
SIGA	1185 185.0	10000.00	7.682	.207	7.888	.20284E-03	4968.845	563.28	8.73	8.82	.0300	1.00	2.01	.22
SIGA	1500 315.0	10000.00	7.751	.203	7.954	.21183E-03	5012.777	592.48	8.34	8.46	.0300	1.00	1.99	.22
SIGA	2000 500.0	10000.00	7.691	.430	8.121	.45537E-03	3446.125	409.90	8.24	8.41	.0300	1.00	2.90	.32
SIGA	2500 500.0	10000.00	7.929	.408	8.337	.40912E-03	3536.737	401.87	8.59	8.80	.0300	1.00	2.83	.30
SIGA	3000 500.0	10000.00	8.121	.424	8.545	.42309E-03	3469.827	392.73	8.62	8.84	.0300	1.00	2.88	.31

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SIGA 3500	500.0	10000.00	8.306	.463	8.769	.47500E-03	3318.952	384.76	8.45	8.63	.0300	1.00	3.01 .32
SIGA 4000	500.0	10000.00	8.130	1.005	9.134	.98582E-03	2253.685	249.10	8.73	9.05	.0300	1.00	4.44 .47
SIGA 4500	500.0	10000.00	8.725	.826	9.561	.72124E-03	2484.768	251.47	9.53	9.88	.0300	1.00	4.02 .41
SIGA 5000	500.0	10000.00	9.201	.689	9.891	.59640E-03	2720.586	272.64	9.59	9.98	.0300	1.00	3.68 .37
SIGA 5500	500.0	10000.00	9.522	.661	10.183	.57359E-03	2777.537	279.39	9.58	9.94	.0300	1.00	3.60 .36
SIGA 6000	500.0	10000.00	9.383	1.183	10.566	.95894E-03	2076.383	190.87	10.08	10.88	.0300	1.00	4.82 .47
SIGA 6500	500.0	10000.00	10.250	.693	10.943	.54762E-03	2712.893	252.86	10.27	10.73	.0300	1.00	3.69 .36
SIGA 7000	500.0	10000.00	10.572	.632	11.204	.49776E-03	2840.748	263.27	10.30	10.79	.0300	1.00	3.52 .34
SIGA 7500	500.0	10000.00	10.896	.540	11.436	.42808E-03	3074.649	288.75	10.24	10.65	.0300	1.00	3.25 .32
SIGA 8000	500.0	10000.00	10.819	.897	11.716	.69184E-03	2385.270	216.51	10.46	11.02	.0300	1.00	4.19 .40
SIGA 8500	500.0	10000.00	10.255	.997	12.252	.14531E-02	1598.473	134.86	10.92	11.85	.0300	1.00	6.26 .58
SIGA 9000	500.0	10000.00	11.882	.891	12.772	.62370E-03	2393.088	198.21	11.18	12.07	.0300	1.00	4.18 .38
SIGA 9500	500.0	10000.00	12.134	.953	13.067	.63068E-03	2313.762	181.28	11.73	12.76	.0300	1.00	4.32 .39
SIGA 10000	500.0	10000.00	12.436	.984	13.420	.70119E-03	2276.531	191.10	11.10	11.91	.0300	1.00	4.52 .41
SIGA 10500	500.0	10000.00	12.731	1.042	13.772	.70638E-03	2213.230	178.67	11.52	12.39	.0300	1.00	4.67 .41
SIGA 11000	500.0	10000.00	13.011	1.113	14.124	.70227E-03	2141.070	159.17	12.16	13.45	.0300	1.00	4.40 .38
SIGA 11500	500.0	10000.00	13.459	.989	14.448	.59065E-03	2271.555	161.53	12.67	14.06	.0300	1.00	5.16 .47
SIGA 12000	500.0	10000.00	13.472	1.360	14.832	.94738E-03	1936.835	157.16	11.29	12.32	.0300	1.00	4.47 .39
SIGA 12500	500.0	10000.00	14.208	1.021	15.230	.64264E-03	2234.983	164.89	12.18	13.55	.0300	1.00	5.13 .44
SIGA 13000	500.0	10000.00	14.251	1.343	15.594	.81593E-03	1948.843	137.69	12.51	14.15	.0300	1.00	4.51 .39
SIGA 13500	500.0	10000.00	14.917	1.038	15.955	.62811E-03	2216.775	160.70	12.55	13.79	.0300	1.00	6.56 .56
SIGA 14000	500.0	10000.00	14.262	2.199	16.461	.13940E-02	1523.305	107.25	12.11	14.20	.0300	1.00	4.23 .34
SIGA 14500	500.0	10000.00	16.014	.914	16.929	.47809E-03	2362.247	152.80	14.00	15.46	.0300	1.00	4.35 .36
SIGA 15000	500.0	10000.00	16.212	.965	17.177	.51618E-03	2298.953	150.64	13.77	15.26	.0300	1.00	3.99 .32
SIGA 15500	500.0	10000.00	16.602	.811	17.414	.43046E-03	2507.463	161.46	13.85	15.53	.0300	1.00	3.97 .32
SIGA 16000	500.0	10000.00	16.820	.805	17.625	.41424E-03	2517.531	157.93	14.17	15.94	.0300	1.00	3.94 .31
SIGA 16500	500.0	10000.00	17.039	.791	17.830	.40377E-03	2540.431	157.27	14.25	16.05	.0300	1.00	4.50 .37
SIGA 17000	500.0	10000.00	17.041	1.031	18.073	.56791E-03	2224.044	150.49	13.47	14.78	.0300	1.00	3.84 .31
SIGA 17500	500.0	10000.00	17.560	.753	18.312	.39119E-03	2603.471	166.86	14.06	15.60	.0300	1.00	4.58 .36
SIGA 18000	500.0	10000.00	17.479	1.069	18.548	.55012E-03	2184.925	133.76	14.16	16.33	.0300	1.00	4.41 .35
SIGA 18500	500.0	10000.00	17.823	.993	18.815	.52107E-03	2266.879	143.56	13.96	15.79	.0300	1.00	3.38 .27
SIGA 19000	500.0	10000.00	18.437	.582	19.019	.29148E-03	2961.151	183.25	14.46	16.16	.0300	1.00	4.46 .34
SIGA 19500	500.0	10000.00	18.194	1.016	19.210	.47619E-03	2240.869	127.33	15.20	17.60	.0300	1.00	4.16 .32
SIGA 20000	500.0	10000.00	18.555	.882	19.437	.43051E-03	2405.018	143.20	14.74	16.79	.0300	1.00	5.19 .40
SIGA 20500	500.0	10000.00	19.332	1.374	19.706	.64454E-03	1926.966	109.90	15.19	17.53	.0300	1.00	3.84 .30
SIGA 21000	500.0	10000.00	19.209	.753	19.962	.37954E-03	2602.475	159.72	14.39	16.29	.0300	1.00	3.44 .27
SIGA 21500	500.0	10000.00	19.529	.603	20.132	.30057E-03	2909.885	181.13	14.50	16.07	.0300	1.00	5.30 .42
SIGA 22000	500.0	10000.00	18.960	1.455	20.395	.75354E-03	1885.338	114.89	13.96	16.41	.0300	1.00	4.36 .34
SIGA 22500	500.0	10000.00	19.735	.972	20.706	.49014E-03	2291.394	140.32	14.38	16.33	.0300	1.00	4.80 .37
SIGA 23000	500.0	10000.00	19.806	1.175	20.981	.60738E-03	2083.700	122.45	14.12	17.02	.0300	1.00	2.94 .23
SIGA 23500	500.0	10000.00	20.745	.442	21.187	.21905E-03	3397.129	209.00	14.57	16.25	.0300	1.00	3.26 .25
SIGA 24000	500.0	10000.00	20.764	.541	21.305	.25026E-03	3071.954	177.82	15.34	17.28	.0300	1.00	2.63 .20
SIGA 24500	500.0	10000.00	21.051	.354	21.405	.15057E-03	3796.756	212.26	16.34	17.39	.0300	1.00	4.31 .33
SIGA 25000	500.0	10000.00	20.609	.946	21.555	.44907E-03	2322.780	133.03	15.05	17.46	.0300	1.00	2.78 .22
SIGA 25500	500.0	10000.00	21.318	.395	21.713	.18526E-03	3593.624	218.36	15.19	16.46	.0300	1.00	4.43 .35
SIGA 26000	500.0	10000.00	20.887	1.001	21.888	.51164E-03	2257.902	141.25	14.24	15.99	.0300	1.00	4.02 .30
SIGA 26500	500.0	10000.00	21.281	.825	22.107	.36378E-03	2486.774	132.83	15.91	18.71	.0300	1.00	4.67 .34
SIGA 27000	500.0	10000.00	21.208	1.111	22.319	.48535E-03	2143.288	114.36	16.01	18.74	.0300	1.00	4.27 .32
SIGA 27500	500.0	10000.00	21.620	.931	22.551	.44292E-03	2341.058	131.52	15.03	17.80	.0300	1.00	4.26 .33
SIGA 28000	500.0	10000.00	21.847	.927	22.774	.45101E-03	2345.952	138.00	14.78	17.00	.0300	1.00	4.26 .33
SIGA 28500	500.0	10000.00	22.385	.571	22.956	.27508E-03	2989.630	182.94	14.88	16.34	.0300	1.00	3.34 .26

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SIGA	29000	500.0	10000.00	22.503	.583	23.086	.24461E-03	2958.352	157.68	16.51	18.76	.0300	1.00	3.38 .25
SIGA	29500	500.0	10000.00	21.659	1.703	23.362	.86046E-03	1730.717	91.89	14.36	18.83	.0300	1.00	5.78 .43
SIGA	30000	500.0	10000.00	22.670	1.041	23.711	.53620E-03	2213.400	138.05	14.16	16.03	.0300	1.00	4.52 .36
SIGA	30500	500.0	10000.00	23.499	.387	23.886	.16305E-03	3630.589	202.79	16.46	17.90	.0300	1.00	2.75 .21
SIGA	31000	500.0	10000.00	21.875	2.372	24.247	.12816E-02	1466.556	82.79	13.66	17.71	.0300	1.00	6.82 .52
SIGA	31500	500.0	10000.00	22.444	2.407	24.851	.11327E-02	1455.861	70.01	15.15	20.80	.0300	1.00	6.87 .48
SIGA	32000	500.0	10000.00	24.349	.894	25.243	.43627E-03	2389.083	137.93	14.74	17.32	.0300	1.00	4.19 .32
SIGA	32500	500.0	10000.00	24.419	1.046	25.465	.45190E-03	2208.830	116.05	16.15	19.03	.0300	1.00	4.53 .33
SIGA	33000	500.0	10000.00	24.740	.945	25.686	.43012E-03	2323.288	122.77	15.54	18.92	.0300	1.00	4.30 .32
SIGA	33500	500.0	10000.00	24.476	.350	25.826	.13344E-03	3817.492	191.15	17.74	19.97	.0300	1.00	2.62 .19
SIGA	34000	500.0	10000.00	25.320	1.219	25.997	.55052E-03	2045.415	110.71	15.63	18.48	.0300	1.00	4.89 .36
SIGA	34500	500.0	10000.00	25.690	.907	26.226	.36524E-03	2372.391	116.17	17.02	20.42	.0300	1.00	4.22 .30
SIGA	35000	500.0	10000.00	25.742	.704	26.394	.30475E-03	2692.278	144.35	16.13	18.65	.0300	1.00	3.71 .27
SIGA	35500	500.0	10000.00	25.616	.812	26.553	.33322E-03	2507.297	128.67	16.78	19.49	.0300	1.00	3.99 .29
SIGA	36000	500.0	10000.00	25.188	1.152	26.771	.53730E-03	2104.038	116.13	15.26	18.12	.0300	1.00	4.75 .36
SIGA	36500	500.0	10000.00	26.605	.817	27.005	.39752E-03	2499.070	152.58	14.77	16.38	.0300	1.00	4.00 .32
SIGA	37000	500.0	10000.00	26.437	.564	27.169	.26161E-03	3007.129	174.46	15.32	17.24	.0300	1.00	3.33 .26
SIGA	37500	500.0	10000.00	27.153	.914	27.351	.46315E-03	2363.129	149.60	14.33	15.80	.0300	1.00	4.23 .34
SIGA	38000	500.0	10000.00	26.283	.351	27.504	.14924E-03	3814.371	214.05	16.34	17.82	.0300	1.00	2.62 .20
SIGA	38500	500.0	10000.00	26.539	1.408	27.691	.59994E-03	1903.799	102.67	16.32	18.54	.0300	1.00	5.25 .39
SIGA	39000	500.0	10000.00	27.253	1.463	28.002	.64192E-03	1867.478	102.71	15.97	18.18	.0300	1.00	5.35 .40
SIGA	39500	500.0	10000.00	27.539	1.025	28.278	.46476E-03	2230.859	121.33	15.58	18.39	.0300	1.00	4.48 .33
SIGA	40000	500.0	10000.00	27.432	.978	28.517	.49061E-03	2283.469	136.70	15.45	16.70	.0300	1.00	4.38 .34
SIGA	40500	500.0	10000.00	28.632	1.374	28.806	.66588E-03	1927.225	105.06	14.82	16.34	.0300	1.00	5.19 .39
SIGA	41000	500.0	10000.00	28.148	.382	29.014	.16677E-03	3653.699	206.93	16.03	17.66	.0300	1.00	2.74 .21
SIGA	41500	500.0	10000.00	27.557	1.012	29.159	.41383E-03	2245.439	116.44	16.83	19.28	.0300	1.00	4.45 .32
SIGA	42000	500.0	10000.00	29.357	1.936	29.494	.92269E-03	1623.207	88.36	16.03	18.37	.0300	1.00	6.16 .46
SIGA	42500	500.0	10000.00	29.984	.408	29.765	.16234E-03	3537.698	183.86	17.17	19.24	.0300	1.00	2.83 .21
SIGA	43000	500.0	10000.00	29.797	.941	29.925	.47819E-03	2328.190	146.91	14.30	15.85	.0300	1.00	4.30 .34
SIGA	43500	500.0	10000.00	29.369	.280	30.077	.12917E-03	4271.902	255.61	15.36	16.71	.0300	1.00	2.34 .18
SIGA	44000	500.0	10000.00	30.072	.835	30.204	.37831E-03	2472.276	138.80	15.58	17.81	.0300	1.00	4.04 .31
SIGA	44500	500.0	10000.00	30.098	.256	30.327	.11571E-03	4467.464	263.62	15.60	13.68	.0300	1.00	2.24 .17
SIGA	45000	500.0	10000.00	30.157	.303	30.400	.17574E-03	4106.621	300.18	12.94	16.35	.0300	1.00	2.44 .21
SIGA	45500	500.0	10000.00	30.189	.325	30.482	.15212E-03	3962.531	242.31	15.21	16.73	.0300	1.00	2.52 .21
SIGA	46000	500.0	10000.00	29.884	.375	30.564	.17685E-03	3688.503	220.44	15.13	15.98	.0300	1.00	2.71 .21
SIGA	46500	500.0	10000.00	30.276	.829	30.713	.41836E-03	2481.269	155.24	14.37	16.91	.0300	1.00	4.03 .32
SIGA	47000	500.0	10000.00	30.634	.614	30.890	.29052E-03	2882.381	170.42	15.09	17.95	.0300	1.00	3.47 .27
SIGA	47500	500.0	10000.00	30.389	.365	30.999	.14264E-03	3740.478	208.44	17.40	17.35	.0300	1.00	2.67 .20
SIGA	48000	500.0	10000.00	30.383	.721	31.111	.30533E-03	2659.448	153.27	16.40	16.97	.0300	1.00	3.76 .29
SIGA	48500	500.0	10000.00	30.245	.902	31.284	.39032E-03	2378.926	140.16	16.13	15.61	.0300	1.00	4.20 .33
SIGA	49000	500.0	10000.00	31.332	1.318	31.562	.72150E-03	1967.609	126.02	13.52	17.10	.0300	1.00	5.08 .41
SIGA	49500	500.0	10000.00	31.160	.460	31.792	.19806E-03	3329.765	194.69	16.20	15.29	.0300	1.00	3.00 .23
SIGA	50000	500.0	10000.00		.783	31.943	.40518E-03	2553.000	167.00	14.10		.0300	1.00	3.92 .32

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*** Legend ***

NAME	...... :	Section Name
DELTX	.... :	Distance (M)
Q	.... :	Discharge (M3/S)
H	.... :	Stage (M)
V.H	...... :	Velocity Head (M) : V.H = ALPHA * V**2 / 19.6
TOTAL E	... :	Total Energy Head (M) : TOTAL E = H + V.H
IE	.... :	Energy Gradient : IE = (N*Q/(A*R**(2/3)))**2
A	.... :	Discharge Area (M2)
B	.... :	Width of Water Surface (M)
R	.... :	Hydraulic Radius (M)
A/B	...... :	Hydraulic Depth (M)
N	.... :	Roughness Coefficient
ALPHA	.... :	Rectification Coefficient
V	.... :	Velocity (M/S) : V = Q / A
FR	.... :	Froude Number : FR = V/SQRT(9.8*(A/B)/ALPHA)

"Non-Uniform Flow, 20,000m3/s, Sigatoka"

NAME	DELTX (M)	Q (M3/S)	H (M)	V.H (M)	TOTAL E (M)	IE	A (M2)	B (M)	R (M)	A/B (M)	N	ALPHA	V (M/S)	FR
SIGA	600 .0	20000.00	6.788	3.785	10.573	.46260E-02	2321.931	306.70	7.41	7.57	.0300	1.00	8.61	1.00
SIGA	1000 400.0	20000.00	9.696	2.161	11.856	.17905E-02	3073.262	301.41	9.91	10.20	.0300	1.00	6.51	.65
SIGA	1185 185.0	20000.00	11.651	.393	12.044	.23556E-03	7204.413	563.28	12.64	12.79	.0300	1.00	2.78	.25
SIGA	1500 315.0	20000.00	11.743	.375	12.118	.23448E-03	7378.085	592.48	12.24	12.45	.0300	1.00	2.71	.25
SIGA	2000 500.0	20000.00	11.494	.815	12.308	.52730E-03	5004.824	409.90	11.93	12.21	.0300	1.00	4.00	.37
SIGA	2500 500.0	20000.00	11.773	.790	12.563	.49212E-03	5081.560	401.87	12.28	12.64	.0300	1.00	3.94	.35
SIGA	3000 500.0	20000.00	11.994	.819	12.813	.50701E-03	4990.713	392.73	12.34	12.71	.0300	1.00	4.01	.36

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SIGA	3500	500.0	20000.00	12.198	.880	13.078	.55167E-03	4816.359	384.76	12.21	12.52	.0300	1.00	4.15	.37
SIGA	4000	500.0	20000.00	11.406	2.166	13.572	.14254E-02	3069.823	249.10	11.78	12.32	.0300	1.00	6.52	.59
SIGA	4500	500.0	20000.00	12.435	1.750	14.185	.10256E-02	3415.222	251.47	12.85	13.58	.0300	1.00	5.86	.51
SIGA	5000	500.0	20000.00	13.239	1.398	14.636	.78149E-03	3821.390	272.64	13.31	14.02	.0300	1.00	5.23	.45
SIGA	5500	500.0	20000.00	13.703	1.311	15.014	.72927E-03	3945.815	279.39	13.00	13.36	.0300	1.00	5.07	.43
SIGA	6000	500.0	20000.00	12.875	2.712	15.588	.15653E-02	2742.989	190.87	14.34	14.37	.0300	1.00	7.29	.61
SIGA	6500	500.0	20000.00	14.782	1.370	16.153	.69403E-03	3858.980	252.86	14.60	15.26	.0300	1.00	5.18	.42
SIGA	7000	500.0	20000.00	15.247	1.231	16.478	.60846E-03	4071.563	263.27	14.70	15.47	.0300	1.00	4.91	.40
SIGA	7500	500.0	20000.00	15.735	1.021	16.755	.50010E-03	4471.848	288.75	14.42	15.49	.0300	1.00	4.47	.36
SIGA	8000	500.0	20000.00	15.295	1.814	17.108	.91196E-03	3354.272	216.51	12.69	15.49	.0300	1.00	5.96	.48
SIGA	8500	500.0	20000.00	12.596	5.570	18.166	.33184E-02	1914.190	134.86	15.90	14.19	.0300	1.00	10.45	.89
SIGA	9000	500.0	20000.00	17.523	1.655	19.178	.73041E-03	3511.259	198.21	16.26	17.71	.0300	1.00	5.70	.43
SIGA	9500	500.0	20000.00	17.712	1.846	19.558	.79026E-03	3224.959	181.28	15.95	18.34	.0300	1.00	6.02	.45
SIGA	10000	500.0	20000.00	18.156	1.797	19.953	.78956E-03	3369.664	191.10	16.32	17.63	.0300	1.00	5.94	.47
SIGA	10500	500.0	20000.00	18.398	1.961	20.360	.83549E-03	3225.922	178.67	16.57	18.06	.0300	1.00	6.20	.48
SIGA	11000	500.0	20000.00	18.573	2.228	20.801	.93033E-03	3026.251	159.17	17.08	19.01	.0300	1.00	6.24	.45
SIGA	11500	500.0	20000.00	19.170	1.985	21.233	.79607E-03	3206.468	161.53	15.82	19.85	.0300	1.00	7.06	.53
SIGA	12000	500.0	20000.00	19.239	2.544	21.714	.11296E-02	2832.342	157.16	16.89	18.02	.0300	1.00	6.19	.45
SIGA	12500	500.0	20000.00	20.239	1.957	22.196	.79664E-03	3229.351	164.89	16.67	19.58	.0300	1.00	7.32	.52
SIGA	13000	500.0	20000.00	19.945	2.732	22.678	.11318E-02	2732.899	137.69	17.58	19.85	.0300	1.00	6.20	.44
SIGA	13500	500.0	20000.00	21.187	1.963	23.150	.75746E-03	3224.379	160.70	15.20	20.06	.0300	1.00	9.87	.73
SIGA	14000	500.0	20000.00	18.950	4.971	23.921	.23285E-02	2026.095	107.25	18.96	18.89	.0300	1.00	5.86	.40
SIGA	14500	500.0	20000.00	22.907	1.750	24.656	.61045E-03	3415.383	152.80	19.48	22.35	.0300	1.00	5.98	.41
SIGA	15000	500.0	20000.00	23.135	1.827	24.963	.61492E-03	3341.868	150.64	19.31	22.18	.0300	1.00	5.47	.37
SIGA	15500	500.0	20000.00	23.720	1.526	25.246	.51983E-03	3656.649	161.46	19.78	22.65	.0300	1.00	5.48	.36
SIGA	16000	500.0	20000.00	23.968	1.535	25.503	.50631E-03	3646.370	157.93	19.30	23.09	.0300	1.00	5.43	.36
SIGA	16500	500.0	20000.00	24.247	1.506	25.753	.49577E-03	3681.290	158.27	19.80	23.26	.0300	1.00	6.07	.41
SIGA	17000	500.0	20000.00	24.162	1.879	26.041	.65604E-03	3295.729	150.49	18.95	21.90	.0300	1.00	5.22	.35
SIGA	17500	500.0	20000.00	24.933	1.389	26.321	.46470E-03	3833.781	166.86	19.56	22.98	.0300	1.00	6.39	.42
SIGA	18000	500.0	20000.00	24.529	2.086	26.615	.71024E-03	3127.991	133.76	19.31	23.39	.0300	1.00	6.04	.40
SIGA	18500	500.0	20000.00	25.089	1.863	26.952	.63636E-03	3310.074	143.56	19.26	23.06	.0300	1.00	4.58	.30
SIGA	19000	500.0	20000.00	26.125	1.069	27.194	.33088E-03	4370.020	183.25	20.74	23.85	.0300	1.00	6.34	.41
SIGA	19500	500.0	20000.00	25.388	2.048	27.436	.63709E-03	3156.782	127.33	20.66	24.79	.0300	1.00	5.75	.37
SIGA	20000	500.0	20000.00	26.040	1.688	27.728	.53340E-03	3476.855	143.20	20.42	24.28	.0300	1.00	7.44	.48
SIGA	20500	500.0	20000.00	25.254	2.825	28.079	.87028E-03	2637.706	109.90	20.82	24.46	.0300	1.00	5.19	.34
SIGA	21000	500.0	20000.00	27.031	1.376	28.406	.43842E-03	3851.829	159.72	20.29	24.12	.0300	1.00	4.59	.30
SIGA	21500	500.0	20000.00	27.525	1.075	28.599	.33329E-03	4358.065	181.13	20.71	24.06	.0300	1.00	7.38	.49
SIGA	22000	500.0	20000.00	26.150	2.776	28.926	.97406E-03	2711.388	114.89	18.88	23.60	.0300	1.00	5.91	.38
SIGA	22500	500.0	20000.00	27.538	1.780	29.318	.59365E-03	3386.408	140.32	19.61	24.13	.0300	1.00	6.63	.43
SIGA	23000	500.0	20000.00	27.421	2.243	29.664	.79091E-03	3016.174	122.45	18.81	24.63	.0300	1.00	3.88	.25
SIGA	23500	500.0	20000.00	29.151	.768	29.919	.22921E-03	5153.887	209.00	21.32	24.66	.0300	1.00	4.40	.28
SIGA	24000	500.0	20000.00	29.061	.987	30.048	.28422E-03	4547.229	177.82	21.90	25.57	.0300	1.00	3.58	.22
SIGA	24500	500.0	20000.00	29.510	.653	30.162	.17524E-03	5592.217	212.26	23.07	26.35	.0300	1.00	5.92	.37
SIGA	25000	500.0	20000.00	28.562	1.786	30.347	.56519E-03	3380.725	133.03	20.40	25.41	.0300	1.00	3.67	.23
SIGA	25500	500.0	20000.00	29.852	.685	30.537	.19259E-03	5456.927	218.36	22.30	24.99	.0300	1.00	5.89	.38
SIGA	26000	500.0	20000.00	28.961	1.767	30.728	.57126E-03	3398.344	141.25	20.08	24.06	.0300	1.00	5.61	.35
SIGA	26500	500.0	20000.00	29.380	1.608	30.988	.46738E-03	3562.897	132.88	21.74	26.81	.0300	1.00	6.58	.41
SIGA	27000	500.0	20000.00	29.052	2.208	31.260	.62231E-03	3040.331	114.36	22.25	26.59	.0300	1.00	5.85	.37
SIGA	27500	500.0	20000.00	29.804	1.747	31.551	.54330E-03	3417.415	131.52	20.67	25.98	.0300	1.00	5.73	.36
SIGA	28000	500.0	20000.00	30.143	1.675	31.818	.52290E-03	3490.774	138.00	20.61	25.30	.0300	1.00	5.73	.36
SIGA	28500	500.0	20000.00	31.043	.976	32.019	.28127E-03	4573.578	182.94	21.88	25.00	.0300	1.00	4.37	.28

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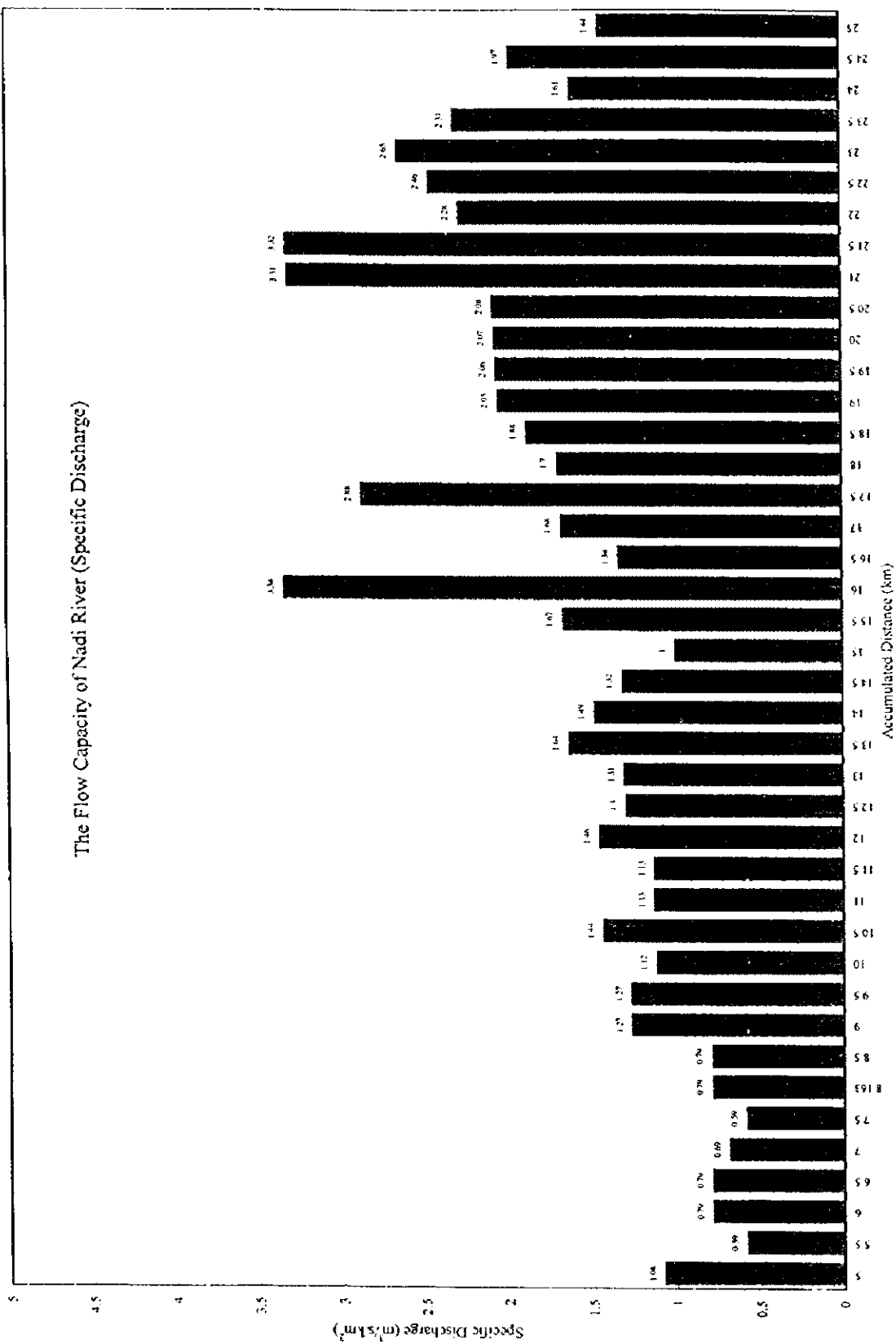|															
SIGA	29000	500.0	20000.00	31.064	1.099	32.164	.29736E-03	4308.304	157.68	22.95	27.32	.0300	1.00	4.64	.28
SIGA	29500	500.0	20000.00	29.021	3.522	32.543	.12192E-02	2407.235	91.89	19.07	26.20	.0300	1.00	6.31	.52
SIGA	30000	500.0	20000.00	31.223	1.771	32.994	.58777E-03	3394.174	138.05	19.69	24.59	.0300	1.00	5.89	.38
SIGA	30500	500.0	20000.00	32.500	.686	33.185	.17516E-02	5455.643	202.77	23.95	26.91	.0300	1.00	3.67	.23
SIGA	31000	500.0	20000.00	28.800	4.905	33.704	.19011E-02	2039.851	82.79	17.52	24.64	.0300	1.00	9.80	.63
SIGA	31500	500.0	20000.00	29.136	5.511	34.647	.18697E-02	1924.413	70.01	19.36	27.49	.0300	1.00	10.39	.63
SIGA	32000	500.0	20000.00	33.718	1.506	35.224	.43894E-03	3681.369	137.93	21.70	26.69	.0300	1.00	5.43	.34
SIGA	32500	500.0	20000.00	33.549	1.910	35.460	.50374E-03	3268.371	116.05	23.39	28.16	.0300	1.00	6.12	.37
SIGA	33000	500.0	20000.00	34.004	1.704	35.708	.48932E-03	3460.577	122.77	21.94	28.19	.0300	1.00	5.73	.35
SIGA	33500	500.0	20000.00	35.236	.632	35.867	.14338E-03	5682.963	191.15	25.52	29.73	.0300	1.00	3.52	.21
SIGA	34000	500.0	20000.00	33.862	2.192	36.054	.59885E-03	3051.119	110.71	22.78	27.56	.0300	1.00	6.55	.40
SIGA	34500	500.0	20000.00	34.598	1.714	36.312	.43184E-03	3450.177	116.17	24.21	29.70	.0300	1.00	4.91	.34
SIGA	35000	500.0	20000.00	35.273	1.229	36.501	.32624E-03	4075.567	144.35	23.27	28.23	.0300	1.00	5.37	.30
SIGA	35500	500.0	20000.00	35.207	1.471	36.677	.37689E-03	3725.138	128.67	23.90	28.95	.0300	1.00	6.29	.32
SIGA	36000	500.0	20000.00	34.897	2.016	36.913	.56567E-03	3181.511	116.13	22.33	27.40	.0300	1.00	5.03	.38
SIGA	36500	500.0	20000.00	35.853	1.292	37.146	.36548E-03	3973.844	152.58	22.20	26.04	.0300	1.00	4.24	.32
SIGA	37000	500.0	20000.00	36.380	.919	37.299	.24902E-03	4712.493	174.46	22.92	27.01	.0300	1.00	5.20	.26
SIGA	37500	500.0	20000.00	36.089	1.380	37.469	.43129E-03	3845.026	154.03	22.60	24.96	.0300	1.00	3.37	.33
SIGA	38000	500.0	20000.00	37.032	.581	37.612	.14107E-03	5928.948	214.05	24.87	27.70	.0300	1.00	7.08	.20
SIGA	38500	500.0	20000.00	35.254	2.558	37.811	.65472E-03	2824.797	102.67	23.92	27.51	.0300	1.00	7.17	.43
SIGA	39000	500.0	20000.00	35.526	2.621	38.146	.68523E-03	2790.552	102.71	23.54	27.17	.0300	1.00	5.93	.44
SIGA	39500	500.0	20000.00	36.646	1.796	38.442	.49975E-03	3370.500	121.33	22.50	27.78	.0300	1.00	5.57	.36
SIGA	40000	500.0	20000.00	37.102	1.583	38.685	.47135E-03	3590.814	136.70	21.35	26.27	.0300	1.00	6.94	.35
SIGA	40500	500.0	20000.00	36.535	2.454	38.990	.74684E-03	2883.538	105.06	21.01	27.45	.0300	1.00	3.50	.42
SIGA	41000	500.0	20000.00	36.591	.625	39.216	.15820E-03	5714.442	206.93	24.12	27.62	.0300	1.00	5.99	.21
SIGA	41500	500.0	20000.00	37.538	1.831	39.363	.45183E-03	3338.807	116.44	24.58	28.67	.0300	1.00	8.39	.36
SIGA	42000	500.0	20000.00	36.152	3.595	39.747	.10637E-02	2392.686	88.36	21.45	26.97	.0300	1.00	3.72	.52
SIGA	42500	500.0	20000.00	39.348	.707	40.054	.16448E-03	5374.548	183.86	25.68	29.23	.0300	1.00	5.31	.22
SIGA	43000	500.0	20000.00	38.764	.440	40.203	.43254E-03	3764.968	146.91	21.21	25.63	.0300	1.00	2.92	.34
SIGA	43500	500.0	20000.00	39.905	.434	40.339	.11146E-03	6855.623	255.61	23.87	25.82	.0300	1.00	5.24	.18
SIGA	44000	500.0	20000.00	39.064	1.400	40.464	.38684E-03	3817.947	138.80	22.59	27.51	.0300	1.00	2.80	.32
SIGA	44500	500.0	20000.00	40.185	.401	40.586	.10238E-03	7133.659	263.62	23.97	27.06	.0300	1.00	2.80	.17
SIGA	45000	500.0	20000.00	40.242	.399	40.641	.11598E-03	7151.771	300.18	21.74	23.82	.0300	1.00	3.13	.18
SIGA	45500	500.0	20000.00	40.204	.499	40.703	.13117E-03	6396.983	242.31	23.44	26.40	.0300	1.00	3.39	.19
SIGA	46000	500.0	20000.00	40.186	.588	40.774	.15465E-03	5892.252	220.44	23.43	26.73	.0300	1.00	5.01	.21
SIGA	46500	500.0	20000.00	39.625	1.280	40.905	.36732E-03	3993.385	155.24	21.95	25.72	.0300	1.00	4.39	.32
SIGA	47000	500.0	20000.00	40.078	.985	41.062	.26333E-03	4552.769	170.42	23.14	26.71	.0300	1.00	3.44	.27
SIGA	47500	500.0	20000.00	40.556	.605	41.161	.13178E-03	5808.688	208.44	26.99	27.87	.0300	1.00	4.83	.21
SIGA	48000	500.0	20000.00	40.076	1.188	41.264	.27990E-03	4144.099	153.27	25.46	27.04	.0300	1.00	5.38	.30
SIGA	48500	500.0	20000.00	39.947	1.475	41.422	.35306E-03	3719.438	140.16	25.16	24.99	.0300	1.00	6.35	.33
SIGA	49000	500.0	20000.00	39.621	2.058	41.679	.67252E-03	3149.202	126.02	19.91	24.99	.0300	1.00	3.82	.41
SIGA	49500	500.0	20000.00	41.148	.743	41.891	.17539E-03	5240.739	194.69	25.42	26.92	.0300	1.00	3.82	.23
SIGA	50000	500.0	20000.00	40.841	1.174	42.015	.32232E-03	4169.720	167.00	22.69	24.97	.0300	1.00	4.90	.31

Cross Section Locations (Nadi)

Data3-91

The Flow Capacity of Nadi River (Discharge)

Data3-92

The Flow Capacity of Nadi River (Specific Discharge)

Cross Section, Rating Curve and Flow Capacity
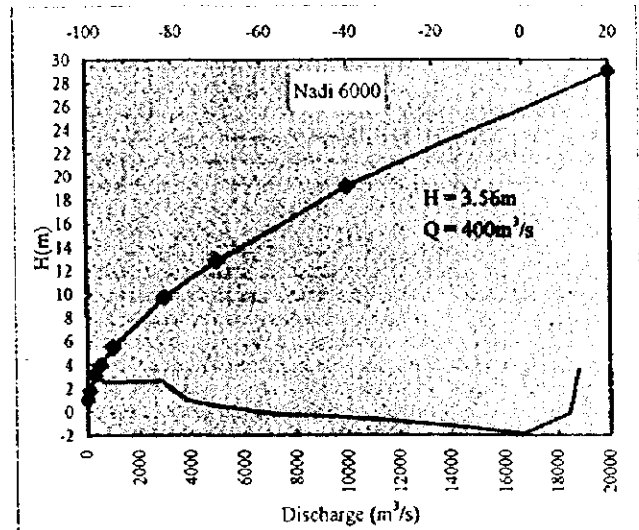
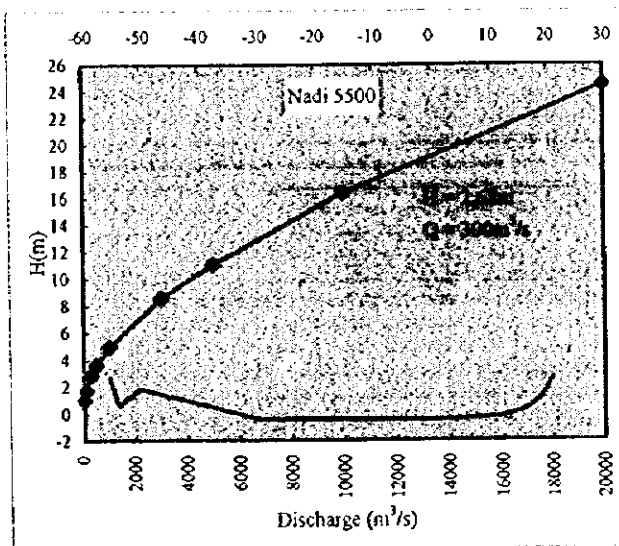Nadi River

Section: 5,000 m ～ 25,000 m
                 from river mouth

H: highest stage
Q: discharge (flow capacity)

Nadi 5000:   section at 5000 m
                 from river mouth

Cross Section, Rating Curve and Flow Capacity

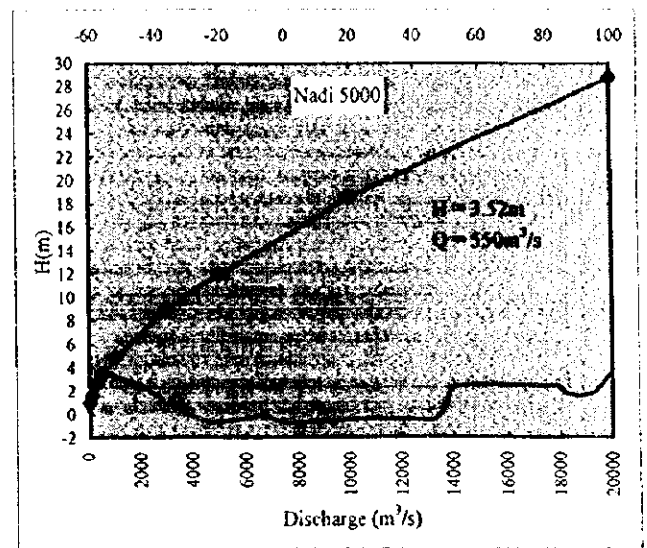Nadi River

Section: 5,000 m ~ 25,000 m
from river mouth

H: highest stage
Q: discharge (flow capacity)

Nadi 5000:   section at 5000 m
from river mouth

Nadi 6500

Nadi 7000

H = 3.43m
Q = 350m³/s

Nadi 7500

Nadi 8163

H = 3.91m
Q = 250m³/s

Nadi 8500

Nadi 9000

H = 5m
Q = 400m³/s

Nadi 6500
H =3.5m
Q = 400m³/s

Nadi 7000
H = 3.43m
Q = 350m³/s

Nadi 7500
H = 3m
Q = 300m³/s

Nadi 8163
H = 3.91m
Q = 250m³/s

Nadi 8500
H = 4m
Q = 250m³/s

Nadi 9000
H = 5m
Q = 400m³/s

Discharge (m³/s)

Nadi 9500
H = 5.25m
Q = 400m³/s

Nadi 10000
H = 5m
Q = 350m³/s

Nadi 10500
H = 5.86m
Q = 450m³/s

Nadi 11000
H = 5.21m
Q = 350m³/s

Nadi 11500
H = 5.4m
Q = 350m³/s

Nadi 12000
H = 6m
Q = 450m³/s