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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 :  $FR = V/SORT(9.8*(A/B)/ALPHA)$

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"Non-Uniform Flow, Qm3/s, REWA"

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
REWA	0	.00	1.000	.000	1.000	.22028E-16	3140.278	1081.02	2.90	2.90	.0300	1.00	.00	.00
REWA	10001000.0	.00	1.000	.000	1.000	.35128E-16	2479.979	849.69	2.92	2.92	.0300	1.00	.00	.00
REWA	1500500.0	.00	1.000	.000	1.000	.38491E-16	2505.340	932.43	2.68	2.69	.0300	1.00	.00	.00
REWA	2000500.0	.00	1.000	.000	1.000	.49208E-16	2175.114	787.39	2.76	2.76	.0300	1.00	.00	.00
REWA	2500500.0	.00	1.000	.000	1.000	.81468E-16	2065.570	1009.73	2.04	2.05	.0300	1.00	.00	.00
REWA	3000500.0	.00	1.000	.000	1.000	.67632E-16	2144.030	964.05	2.22	2.22	.0300	1.00	.00	.00
REWA	3500500.0	.00	1.000	.000	1.000	.21434E-16	2718.091	736.80	3.68	3.69	.0300	1.00	.00	.00

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REWA	4000	500.0	.00	1.000	.000	1.000	.41326E-16	1587.324	315.79	5.00	5.03	.0300	1.00	.00
REWA	4500	500.0	.00	1.000	.000	1.000	.11099E-15	1256.951	364.18	3.41	3.45	.0300	1.00	.00
REWA	5000	500.0	.00	1.000	.000	1.000	.14302E-15	1248.395	433.76	2.95	2.88	.0300	1.00	.00
REWA	5500	500.0	.00	1.000	.000	1.000	.43764E-16	1895.809	509.86	3.70	3.72	.0300	1.00	.00
REWA	6000	500.0	.00	1.000	.000	1.000	.54497E-16	1733.842	482.60	3.59	3.59	.0300	1.00	.00
REWA	6500	500.0	.00	1.000	.000	1.000	.63553E-16	1457.009	350.21	4.15	4.16	.0300	1.00	.00
REWA	7000	500.0	.00	1.000	.000	1.000	.38011E-16	1698.417	347.68	4.85	4.89	.0300	1.00	.00
REWA	7500	500.0	.00	1.000	.000	1.000	.38029E-16	1790.363	398.10	4.48	4.50	.0300	1.00	.00
REWA	8000	500.0	.00	1.000	.000	1.000	.47428E-16	1954.824	585.88	3.33	3.34	.0300	1.00	.00
REWA	8500	500.0	.00	1.000	.000	1.000	.46058E-16	1961.282	576.95	3.38	3.40	.0300	1.00	.00
REWA	9000	500.0	.00	1.000	.000	1.000	.35257E-16	2265.784	678.54	3.33	3.34	.0300	1.00	.00
REWA	9500	500.0	.00	1.000	.000	1.000	.31679E-16	2126.033	533.16	3.97	3.99	.0300	1.00	.00
REWA	10000	500.0	.00	1.000	.000	1.000	.53717E-16	1853.577	563.29	3.28	3.29	.0300	1.00	.00
REWA	10500	500.0	.00	1.000	.000	1.000	.56820E-16	1701.627	474.84	4.34	4.36	.0300	1.00	.00
REWA	11000	500.0	.00	1.000	.000	1.000	.54000E-16	1533.593	351.54	4.34	4.35	.0300	1.00	.00
REWA	11500	500.0	.00	1.000	.000	1.000	.48298E-16	1446.479	278.59	5.16	5.19	.0300	1.00	.00
REWA	12000	500.0	.00	1.000	.000	1.000	.58301E-16	1553.181	387.56	4.00	4.01	.0300	1.00	.00
REWA	12500	500.0	.00	1.000	.000	1.000	.61660E-16	1588.273	424.44	3.73	3.74	.0300	1.00	.00
REWA	13000	500.0	.00	1.000	.000	1.000	.25738E-16	2026.040	402.87	4.99	5.03	.0300	1.00	.00
REWA	13500	500.0	.00	1.000	.000	1.000	.67203E-16	1400.854	329.76	4.22	4.25	.0300	1.00	.00
REWA	14000	500.0	.00	1.000	.000	1.000	.63903E-16	1567.295	421.71	3.71	3.72	.0300	1.00	.00
REWA	14500	500.0	.00	1.000	.000	1.000	.78578E-16	1457.540	409.87	3.54	3.56	.0300	1.00	.00
REWA	15000	500.0	.00	1.000	.000	1.000	.13392E-15	1200.480	376.41	3.17	3.19	.0300	1.00	.00
REWA	15500	500.0	.00	1.000	.000	1.000	.91982E-16	1325.216	364.01	3.63	3.64	.0300	1.00	.00
REWA	16000	500.0	.00	1.000	.000	1.000	.10526E-15	1202.695	315.95	3.79	3.81	.0300	1.00	.00
REWA	16500	500.0	.00	1.000	.000	1.000	.99165E-16	1128.076	253.41	4.36	4.45	.0300	1.00	.00
REWA	17000	500.0	.00	1.000	.000	1.000	.90245E-16	1378.098	394.14	3.47	3.50	.0300	1.00	.00
REWA	17500	500.0	.00	1.000	.000	1.000	.11745E-15	1005.965	218.31	4.56	4.61	.0300	1.00	.00
REWA	18000	500.0	.00	1.000	.000	1.000	.22941E-15	872.633	253.81	3.42	3.44	.0300	1.00	.00
REWA	18500	500.0	.00	1.000	.000	1.000	.15609E-15	1050.035	302.52	3.45	3.47	.0300	1.00	.00
REWA	19000	500.0	.00	1.000	.000	1.000	.24111E-15	929.990	309.28	2.99	3.01	.0300	1.00	.00
REWA	19500	500.0	.00	1.000	.000	1.000	.22035E-15	931.848	289.61	3.19	3.22	.0300	1.00	.00
REWA	20000	500.0	.00	1.000	.000	1.000	.25892E-15	868.621	273.93	3.14	3.17	.0300	1.00	.00
REWA	20500	500.0	.00	1.000	.000	1.000	.37818E-15	792.852	290.86	2.71	2.73	.0300	1.00	.00
REWA	21000	500.0	.00	1.000	.000	1.000	.89969E-15	620.555	301.70	2.05	2.06	.0300	1.00	.00
REWA	21500	500.0	.00	1.000	.000	1.000	.31310E-15	845.404	296.47	2.84	2.85	.0300	1.00	.00
REWA	22000	500.0	.00	1.000	.000	1.000	.31071E-15	840.846	290.84	2.88	2.89	.0300	1.00	.00
REWA	22500	500.0	.00	1.000	.000	1.000	.14962E-15	931.628	212.29	4.27	4.39	.0300	1.00	.00
REWA	23000	500.0	.00	1.000	.000	1.000	.21454E-16	1740.385	233.74	7.18	7.45	.0300	1.00	.00
REWA	23500	500.0	.00	1.000	.000	1.000	.19974E-15	882.406	234.05	3.73	3.77	.0300	1.00	.00
REWA	24000	500.0	.00	1.000	.000	1.000	.29764E-15	694.042	172.95	3.97	4.01	.0300	1.00	.00
REWA	24500	500.0	.00	1.000	.000	1.000	.46698E-15	612.814	178.09	3.41	3.44	.0300	1.00	.00
REWA	25000	500.0	.00	1.000	.000	1.000	.35569E-15	775.247	263.01	2.94	2.95	.0300	1.00	.00
REWA	25500	500.0	.00	1.000	.000	1.000	.46608E-15	628.446	189.97	3.29	3.31	.0300	1.00	.00
REWA	26000	500.0	.00	1.000	.000	1.000	.10754E-14	507.400	208.77	2.42	2.43	.0300	1.00	.00
REWA	26500	500.0	.00	1.000	.000	1.000	.70636E-15	630.631	262.47	2.39	2.40	.0300	1.00	.00
REWA	27000	500.0	.00	1.000	.000	1.000	.10280E-14	513.329	207.55	2.46	2.47	.0300	1.00	.00
REWA	27500	500.0	.00	1.000	.000	1.000	.41927E-15	711.984	240.25	2.95	2.96	.0300	1.00	.00
REWA	28000	500.0	.00	1.000	.000	1.000	.50342E-15	647.069	216.02	2.97	3.00	.0300	1.00	.00
REWA	28500	500.0	.00	1.000	.000	1.000	.54323E-15	659.954	240.40	2.72	2.75	.0300	1.00	.00
REWA	29000	500.0	.00	1.000	.000	1.000	.85043E-15	568.503	232.52	2.43	2.44	.0300	1.00	.00

REWA	29500	500.0	.00	1.000	.000	1.000	.83772E-15	540.511	201.50	2.66	2.68	.0300	1.00	.00	.00
REWA	30000	500.0	.00	1.000	.000	1.000	.19730E-14	448.589	241.70	1.85	1.86	.0300	1.00	.00	.00
REWA	30500	500.0	.00	1.000	.000	1.000	.99848E-15	533.443	224.01	2.37	2.38	.0300	1.00	.00	.00
REWA	31000	500.0	.00	1.000	.000	1.000	.40959E-15	651.329	188.60	3.43	3.45	.0300	1.00	.00	.00
REWA	31500	500.0	.00	1.000	.000	1.000	.16676E-15	912.382	222.91	4.06	4.09	.0300	1.00	.00	.00
REWA	32000	500.0	.00	1.000	.000	1.000	.81825E-15	550.889	208.30	2.63	2.64	.0300	1.00	.00	.00
REWA	32500	500.0	.00	1.000	.000	1.000	.41118E-15	637.456	178.44	3.54	3.57	.0300	1.00	.00	.00
REWA	33000	500.0	.00	1.000	.000	1.000	.77873E-15	508.040	163.57	3.08	3.11	.0300	1.00	.00	.00
REWA	33500	500.0	.00	1.000	.000	1.000	.14019E-14	389.383	130.57	2.95	2.98	.0300	1.00	.00	.00
REWA	34000	500.0	.00	1.000	.000	1.000	.81218E-15	522.269	180.65	2.86	2.89	.0300	1.00	.00	.00
REWA	34500	500.0	.00	1.000	.000	1.000	.89542E-15	426.554	115.82	3.60	3.68	.0300	1.00	.00	.00
REWA	35000	500.0	.00	1.000	.000	1.000	.20155E-14	425.345	215.34	1.97	1.98	.0300	1.00	.00	.00
REWA	35500	500.0	.00	1.000	.000	1.000	.10397E-13	207.341	122.23	1.69	1.70	.0300	1.00	.00	.00
REWA	36000	500.0	.00	1.000	.000	1.000	.20825E-14	414.706	207.22	2.00	2.00	.0300	1.00	.00	.00
REWA	36500	500.0	.00	1.000	.000	1.000	.14700E-13	187.339	123.01	1.52	1.52	.0300	1.00	.00	.00
REWA	37000	500.0	.00	1.000	.000	1.000	.40728E-14	304.141	157.62	1.92	1.93	.0300	1.00	.00	.00
REWA	37500	500.0	.00	1.000	.000	1.000	.39929E-14	319.378	175.71	1.81	1.82	.0300	1.00	.00	.00
REWA	38000	500.0	.00	1.000	.000	1.000	.29743E-14	366.445	198.23	1.84	1.85	.0300	1.00	.00	.00
REWA	38500	500.0	.00	1.000	.000	1.000	.13466E-14	422.422	155.99	2.69	2.71	.0300	1.00	.00	.00
REWA	39000	500.0	.00	1.000	.000	1.000	.16854E-14	379.337	141.15	2.67	2.69	.0300	1.00	.00	.00
REWA	39500	500.0	.00	1.000	.000	1.000	.10160E-14	461.483	157.18	2.91	2.94	.0300	1.00	.00	.00
REWA	40000	500.0	.00	1.000	.000	1.000	.11790E-13	198.266	119.80	1.65	1.66	.0300	1.00	.00	.00
REWA	40500	500.0	.00	1.000	.000	1.000	.36994E-14	323.152	170.27	1.89	1.90	.0300	1.00	.00	.00
REWA	41000	500.0	.00	1.000	.000	1.000	.51750E-14	297.778	178.62	1.66	1.67	.0300	1.00	.00	.00
REWA	41500	500.0	.00	1.000	.000	1.000	.36192E-14	316.685	159.48	1.98	1.99	.0300	1.00	.00	.00
REWA	42000	500.0	.00	1.000	.000	1.000	.53901E-14	276.307	152.79	1.80	1.81	.0300	1.00	.00	.00
REWA	42500	500.0	.00	1.000	.000	1.000	.30235E-14	323.911	147.12	2.19	2.20	.0300	1.00	.00	.00
REWA	43000	500.0	.00	1.000	.000	1.000	.38275E-14	311.266	159.16	1.94	1.96	.0300	1.00	.00	.00
REWA	43500	500.0	.00	1.000	.000	1.000	.44803E-14	296.089	158.22	1.86	1.87	.0300	1.00	.00	.00
REWA	44000	500.0	.00	1.000	.000	1.000	.81581E-14	257.506	174.91	1.46	1.47	.0300	1.00	.00	.00
REWA	44500	500.0	.00	1.000	.000	1.000	.82212E-14	258.693	178.25	1.45	1.45	.0300	1.00	.00	.00
REWA	45000	500.0	.00	1.000	.000	1.000	.15178E-14	374.048	125.78	2.95	2.97	.0300	1.00	.00	.00
REWA	45500	500.0	.00	1.000	.000	1.000	.17227E-13	199.436	161.32	1.22	1.24	.0300	1.00	.00	.00
REWA	46000	500.0	.00	1.000	.000	1.000	.53566E-14	263.179	134.74	1.94	1.95	.0300	1.00	.00	.00
REWA	46500	500.0	.00	1.000	.000	1.000	.42108E-14	286.187	138.66	2.05	2.06	.0300	1.00	.00	.00
REWA	47000	500.0	.00	1.000	.000	1.000	.88511E-14	227.003	135.40	1.66	1.68	.0300	1.00	.00	.00
REWA	47500	500.0	.00	1.000	.000	1.000	.24999E-14	306.731	111.25	2.74	2.76	.0300	1.00	.00	.00
REWA	48000	500.0	.00	1.000	.000	1.000	.19244E-13	155.624	94.57	1.64	1.65	.0300	1.00	.00	.00
REWA	48500	500.0	.00	1.000	.000	1.000	.22729E-13	168.963	131.71	1.28	1.28	.0300	1.00	.00	.00
REWA	49000	500.0	.00	1.000	.000	1.000	.65412E-14	233.736	115.90	2.00	2.02	.0300	1.00	.00	.00
REWA	49500	500.0	.00	1.000	.000	1.000	.21081E-13	164.713	116.76	1.40	1.41	.0300	1.00	.00	.00
REWA	50000	500.0	.00	1.000	.000	1.000	.34838E-14	266.797	100.23	2.63	2.66	.0300	1.00	.00	.00

\*\*\* 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, REWA"

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
REWA	0	100.00	1.000	.000	1.000	.22028E-06	3140.278	1081.02	2.90	2.90	.0300	1.00	.03	.01
REWA	10001000.0	100.00	1.000	.000	1.000	.35118E-06	2480.200	849.70	2.92	2.92	.0300	1.00	.04	.01
REWA	1500 500.0	100.00	1.000	.000	1.001	.38470E-06	2505.758	932.45	2.68	2.69	.0300	1.00	.04	.01
REWA	2000 500.0	100.00	1.001	.000	1.001	.49173E-06	2175.621	787.43	2.76	2.76	.0300	1.00	.05	.01
REWA	2500 500.0	100.00	1.001	.000	1.001	.81347E-06	2066.540	1009.79	2.04	2.05	.0300	1.00	.05	.01
REWA	3000 500.0	100.00	1.001	.000	1.001	.67497E-06	2145.320	964.05	2.22	2.23	.0300	1.00	.05	.01
REWA	3500 500.0	100.00	1.002	.000	1.002	.21403E-06	2719.272	736.81	3.68	3.69	.0300	1.00	.04	.01
REWA	4000 500.0	100.00	1.002	.000	1.002	.41784E-06	1587.836	315.81	5.00	5.03	.0300	1.00	.06	.01

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REWA	4500	500.0	100.00	1.002	.000	1.002	.000	1.002	1.002	11079E-05	1257.640	364.18	3.41	3.45	.0300	1.00	.08	.01
REWA	5000	500.0	100.00	1.003	.000	1.003	.000	1.003	1.003	14261E-05	1249.439	383.76	2.85	2.88	.0300	1.00	.08	.02
REWA	5500	500.0	100.00	1.003	.000	1.003	.000	1.003	1.003	43641E-06	1897.427	509.87	3.70	3.72	.0300	1.00	.05	.01
REWA	6000	500.0	100.00	1.003	.000	1.004	.000	1.004	1.004	54327E-06	1735.430	482.60	3.59	3.60	.0300	1.00	.06	.01
REWA	6500	500.0	100.00	1.004	.000	1.004	.000	1.004	1.004	63473E-06	1458.276	350.22	4.15	4.16	.0300	1.00	.07	.01
REWA	7000	500.0	100.00	1.004	.000	1.004	.000	1.004	1.004	37912E-06	1699.786	347.69	4.85	4.89	.0300	1.00	.06	.01
REWA	7500	500.0	100.00	1.004	.000	1.004	.000	1.004	1.004	37914E-06	1792.002	398.10	4.48	4.50	.0300	1.00	.06	.01
REWA	8000	500.0	100.00	1.004	.000	1.005	.000	1.005	1.005	47223E-06	1957.393	585.90	3.33	3.34	.0300	1.00	.05	.01
REWA	8500	500.0	100.00	1.005	.000	1.005	.000	1.005	1.005	45918E-06	1963.916	577.57	3.36	3.40	.0300	1.00	.05	.01
REWA	9000	500.0	100.00	1.005	.000	1.005	.000	1.005	1.005	35106E-06	2269.084	678.83	3.33	3.34	.0300	1.00	.04	.01
REWA	9500	500.0	100.00	1.005	.000	1.005	.000	1.005	1.005	31664E-06	2128.819	534.76	3.96	3.98	.0300	1.00	.05	.01
REWA	10000	500.0	100.00	1.005	.000	1.005	.000	1.005	1.005	53500E-06	1856.494	563.80	3.28	3.29	.0300	1.00	.05	.01
REWA	10500	500.0	100.00	1.006	.000	1.006	.000	1.006	1.006	56540E-06	1704.208	474.89	3.53	3.59	.0300	1.00	.06	.01
REWA	11000	500.0	100.00	1.006	.000	1.006	.000	1.006	1.006	53793E-06	1535.605	351.68	4.35	4.37	.0300	1.00	.07	.01
REWA	11500	500.0	100.00	1.006	.000	1.006	.000	1.006	1.006	48120E-06	1448.125	278.60	5.16	5.20	.0300	1.00	.07	.01
REWA	12000	500.0	100.00	1.006	.000	1.006	.000	1.006	1.006	58503E-06	1555.584	387.58	4.00	4.01	.0300	1.00	.06	.01
REWA	12500	500.0	100.00	1.007	.000	1.007	.000	1.007	1.007	61308E-06	1591.038	424.46	3.74	3.75	.0300	1.00	.06	.01
REWA	13000	500.0	100.00	1.007	.000	1.007	.000	1.007	1.007	25624E-06	2028.784	402.88	4.99	5.04	.0300	1.00	.05	.01
REWA	13500	500.0	100.00	1.007	.000	1.007	.000	1.007	1.007	66845E-06	1403.132	329.78	4.23	4.25	.0300	1.00	.06	.01
REWA	14000	500.0	100.00	1.007	.000	1.007	.000	1.007	1.007	63496E-06	1570.368	421.75	3.71	3.72	.0300	1.00	.07	.01
REWA	14500	500.0	100.00	1.008	.000	1.008	.000	1.008	1.008	78028E-06	1460.659	409.90	3.55	3.56	.0300	1.00	.07	.01
REWA	15000	500.0	100.00	1.008	.000	1.008	.000	1.008	1.008	13281E-05	1203.502	376.42	3.18	3.20	.0300	1.00	.08	.01
REWA	15500	500.0	100.00	1.009	.000	1.009	.000	1.009	1.009	91299E-06	1328.361	364.14	3.80	3.82	.0300	1.00	.08	.01
REWA	16000	500.0	100.00	1.009	.000	1.009	.000	1.009	1.009	10444E-05	1295.567	315.97	3.63	3.65	.0300	1.00	.08	.01
REWA	16500	500.0	100.00	1.010	.000	1.010	.000	1.010	1.010	98486E-06	1130.508	253.46	4.37	4.46	.0300	1.00	.09	.01
REWA	17000	500.0	100.00	1.010	.000	1.010	.000	1.010	1.010	89402E-06	1382.019	394.21	3.48	3.51	.0300	1.00	.07	.01
REWA	17500	500.0	100.00	1.011	.001	1.011	.001	1.011	1.011	11659E-05	1008.241	218.34	4.57	4.62	.0300	1.00	.10	.01
REWA	18000	500.0	100.00	1.011	.001	1.012	.000	1.012	1.012	22700E-05	875.458	253.84	3.43	3.45	.0300	1.00	.11	.02
REWA	18500	500.0	100.00	1.012	.000	1.013	.000	1.013	1.013	15430E-05	1053.748	302.57	3.47	3.48	.0300	1.00	.09	.02
REWA	19000	500.0	93.00	1.013	.001	1.014	.001	1.014	1.014	20581E-05	934.066	309.59	3.00	3.02	.0300	1.00	.10	.02
REWA	19500	500.0	93.00	1.014	.001	1.015	.001	1.015	1.015	18795E-05	935.937	289.75	3.21	3.23	.0300	1.00	.10	.02
REWA	20000	500.0	93.00	1.015	.001	1.016	.001	1.016	1.016	22064E-05	872.759	274.11	3.16	3.18	.0300	1.00	.11	.02
REWA	20500	500.0	93.00	1.016	.001	1.017	.001	1.017	1.017	32074E-05	797.604	290.92	2.73	2.74	.0300	1.00	.12	.02
REWA	21000	500.0	93.00	1.019	.001	1.020	.001	1.020	1.020	75563E-05	626.161	301.86	2.06	2.07	.0300	1.00	.15	.03
REWA	21500	500.0	93.00	1.022	.001	1.022	.001	1.022	1.022	26413E-05	851.829	296.52	2.86	2.87	.0300	1.00	.11	.02
REWA	22000	500.0	93.00	1.023	.001	1.024	.001	1.024	1.024	26181E-05	847.524	290.88	2.90	2.91	.0300	1.00	.11	.02
REWA	22500	500.0	93.00	1.024	.001	1.025	.001	1.025	1.025	12735E-05	936.725	212.63	4.29	4.41	.0300	1.00	.10	.02
REWA	23000	500.0	93.00	1.025	.000	1.025	.000	1.025	1.025	18358E-06	1746.184	233.78	7.20	7.47	.0300	1.00	.05	.01
REWA	23500	500.0	93.00	1.025	.001	1.025	.001	1.025	1.025	16913E-05	388.225	234.16	3.75	3.79	.0300	1.00	.10	.02
REWA	24000	500.0	93.00	1.026	.001	1.026	.001	1.026	1.026	25217E-05	698.466	172.99	3.99	4.04	.0300	1.00	.13	.02
REWA	24500	500.0	93.00	1.027	.001	1.028	.001	1.028	1.028	39375E-05	617.601	178.14	3.43	3.47	.0300	1.00	.15	.03
REWA	25000	500.0	93.00	1.029	.001	1.030	.001	1.030	1.030	29792E-05	782.885	263.12	2.97	2.98	.0300	1.00	.12	.02
REWA	25500	500.0	93.00	1.030	.001	1.032	.001	1.032	1.032	39125E-05	634.216	190.04	3.52	3.54	.0300	1.00	.15	.03
REWA	26000	500.0	93.00	1.033	.002	1.035	.002	1.035	1.035	88975E-05	514.298	208.84	2.45	2.46	.0300	1.00	.18	.04
REWA	26500	500.0	93.00	1.037	.001	1.038	.001	1.038	1.038	58084E-05	640.440	262.62	2.43	2.44	.0300	1.00	.15	.03
REWA	27000	500.0	93.00	1.040	.002	1.042	.001	1.042	1.042	84312E-05	521.712	207.65	2.50	2.51	.0300	1.00	.18	.04
REWA	27500	500.0	93.00	1.044	.001	1.045	.001	1.045	1.045	34545E-05	722.577	240.33	2.99	3.01	.0300	1.00	.13	.02
REWA	28000	500.0	93.00	1.046	.001	1.047	.001	1.047	1.047	41429E-05	556.969	216.13	3.01	3.04	.0300	1.00	.14	.03
REWA	28500	500.0	93.00	1.048	.001	1.049	.001	1.049	1.049	44377E-05	671.491	240.48	2.77	2.79	.0300	1.00	.16	.03
REWA	29000	500.0	93.00	1.050	.001	1.052	.001	1.052	1.052	68800E-05	580.265	232.74	2.48	2.49	.0300	1.00	.16	.03
REWA	29500	500.0	93.00	1.054	.001	1.055	.001	1.055	1.055	67888E-05	551.348	201.62	2.71	2.73	.0300	1.00	.17	.03

REWA	30000	500.0	93.00	1.059	.002	1.061	.15399E-04	462.770	241.85	1.90	1.91	.0300	1.00	.20	.05
REWA	30500	500.0	93.00	1.065	.001	1.067	.79047E-05	548.055	224.23	2.44	2.44	.0300	1.00	.17	.03
REWA	31000	500.0	93.00	1.068	.001	1.069	.33242E-05	624.242	188.81	3.50	3.52	.0300	1.00	.14	.02
REWA	31500	500.0	93.00	1.070	.001	1.071	.13683E-05	928.087	223.56	4.12	4.15	.0300	1.00	.10	.02
REWA	32000	500.0	93.00	1.071	.001	1.073	.64919E-05	565.745	208.63	2.69	2.71	.0300	1.00	.16	.03
REWA	32500	500.0	93.00	1.074	.001	1.075	.33272E-05	650.643	178.62	3.60	3.64	.0300	1.00	.14	.02
REWA	33000	500.0	93.00	1.076	.002	1.077	.62286E-05	520.432	163.80	3.15	3.18	.0300	1.00	.18	.03
REWA	33500	500.0	93.00	1.079	.003	1.082	.11159E-04	399.663	130.94	3.02	3.05	.0300	1.00	.23	.04
REWA	34000	500.0	93.00	1.085	.002	1.086	.63943E-05	537.567	180.89	2.94	2.97	.0300	1.00	.17	.03
REWA	34500	500.0	93.00	1.087	.002	1.090	.71951E-05	436.633	116.17	3.68	3.76	.0300	1.00	.21	.04
REWA	35000	500.0	93.00	1.093	.002	1.095	.14989E-04	445.386	215.66	2.06	2.07	.0300	1.00	.21	.05
REWA	35500	500.0	93.00	1.108	.009	1.117	.73759E-04	220.585	122.99	1.79	1.79	.0300	1.00	.42	.10
REWA	36000	500.0	93.00	1.137	.002	1.139	.14520E-04	443.163	208.06	2.12	2.13	.0300	1.00	.21	.05
REWA	36500	500.0	93.00	1.156	.010	1.166	.92706E-04	206.569	123.97	1.66	1.67	.0300	1.00	.45	.11
REWA	37000	500.0	93.00	1.192	.004	1.196	.25861E-04	334.487	158.45	2.10	2.11	.0300	1.00	.28	.06
REWA	37500	500.0	93.00	1.205	.003	1.208	.24318E-04	355.437	176.37	2.01	2.02	.0300	1.00	.26	.06
REWA	38000	500.0	93.00	1.216	.003	1.219	.17633E-04	409.351	198.74	2.05	2.06	.0300	1.00	.23	.05
REWA	38500	500.0	93.00	1.223	.002	1.226	.90027E-05	457.326	156.72	2.90	2.92	.0300	1.00	.20	.04
REWA	39000	500.0	93.00	1.228	.003	1.231	.11192E-04	411.581	141.86	2.88	2.90	.0300	1.00	.23	.04
REWA	39500	500.0	93.00	1.233	.002	1.235	.68533E-05	498.247	157.85	3.13	3.16	.0300	1.00	.19	.03
REWA	40000	500.0	93.00	1.245	.009	1.253	.65150E-04	227.671	120.90	1.87	1.88	.0300	1.00	.41	.10
REWA	40500	500.0	93.00	1.271	.003	1.275	.20629E-04	369.472	171.09	2.14	2.16	.0300	1.00	.25	.05
REWA	41000	500.0	93.00	1.283	.004	1.286	.26766E-04	348.382	179.74	1.93	1.94	.0300	1.00	.27	.06
REWA	41500	500.0	93.00	1.295	.003	1.298	.19888E-04	363.814	160.29	2.26	2.27	.0300	1.00	.26	.05
REWA	42000	500.0	93.00	1.306	.004	1.310	.28041E-04	323.269	154.43	2.08	2.09	.0300	1.00	.29	.06
REWA	42500	500.0	93.00	1.318	.003	1.321	.16871E-04	370.935	148.49	2.48	2.50	.0300	1.00	.25	.05
REWA	43000	500.0	93.00	1.327	.003	1.331	.19947E-04	363.518	160.28	2.25	2.27	.0300	1.00	.26	.05
REWA	43500	500.0	93.00	1.338	.004	1.341	.22601E-04	349.814	160.06	2.17	2.19	.0300	1.00	.27	.06
REWA	44000	500.0	93.00	1.351	.004	1.356	.34833E-04	319.083	175.87	1.80	1.81	.0300	1.00	.29	.07
REWA	44500	500.0	93.00	1.368	.004	1.373	.33736E-04	324.594	179.51	1.80	1.81	.0300	1.00	.29	.07
REWA	45000	500.0	93.00	1.381	.002	1.383	.89134E-05	422.201	127.10	3.29	3.32	.0300	1.00	.22	.04
REWA	45500	500.0	93.00	1.394	.006	1.401	.60049E-04	263.246	162.37	1.60	1.62	.0300	1.00	.35	.09
REWA	46000	500.0	93.00	1.417	.004	1.422	.24682E-04	319.884	136.63	2.33	2.34	.0300	1.00	.29	.06
REWA	46500	500.0	93.00	1.429	.004	1.433	.19743E-04	346.130	140.76	2.44	2.46	.0300	1.00	.27	.05
REWA	47000	500.0	93.00	1.442	.005	1.447	.36930E-04	288.258	142.33	2.01	2.03	.0300	1.00	.32	.07
REWA	47500	500.0	93.00	1.456	.003	1.460	.13499E-04	358.423	115.22	3.08	3.11	.0300	1.00	.26	.05
REWA	48000	500.0	76.00	1.468	.007	1.476	.50190E-04	200.838	98.40	2.03	2.04	.0300	1.00	.38	.08
REWA	48500	500.0	76.00	1.494	.005	1.499	.44896E-04	234.516	133.49	1.75	1.76	.0300	1.00	.32	.08
REWA	49000	500.0	76.00	1.512	.003	1.515	.18044E-04	293.348	117.12	2.48	2.50	.0300	1.00	.26	.05
REWA	49500	500.0	76.00	1.525	.006	1.530	.43090E-04	226.401	118.32	1.90	1.91	.0300	1.00	.34	.08
REWA	50000	500.0	76.00	1.541	.003	1.544	.11047E-04	321.358	101.34	3.12	3.17	.0300	1.00	.24	.04

\*\*\* 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 :  $FR = V/SORT(9.8*(A/B)/ALPHA)$

"Non-Uniform Flow, 300m3/s, REWA"

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
REWA	0	300.00	1.000	.000	1.000	.19826E-05	3140.273	1081.02	2.90	2.90	.0300	1.00	.10	.02
REWA	10001000.0	300.00	1.002	.001	1.003	.31524E-05	2481.924	849.71	2.92	2.92	.0300	1.00	.12	.02
REWA	1500500.0	300.00	1.004	.001	1.005	.34479E-05	2509.030	932.56	2.68	2.69	.0300	1.00	.12	.02
REWA	2000500.0	300.00	1.006	.001	1.007	.44010E-05	2179.597	787.72	2.76	2.77	.0300	1.00	.14	.03
REWA	2500500.0	300.00	1.008	.001	1.010	.72365E-05	2074.169	1010.25	2.05	2.05	.0300	1.00	.14	.03
REWA	3000500.0	300.00	1.012	.001	1.013	.59802E-05	2155.476	964.09	2.23	2.24	.0300	1.00	.14	.03
REWA	3500500.0	300.00	1.014	.001	1.015	.19047E-05	2728.570	736.85	3.69	3.70	.0300	1.00	.11	.02
REWA	4000500.0	300.00	1.014	.002	1.016	.37312E-05	1591.873	315.95	5.01	5.04	.0300	1.00	.19	.03

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REWA	4500	500.0	300.00	1.017	.003	1.020	98306E-05	1263.054	364.18	3.43	3.47	.0300	1.00	.24	.04
REWA	5000	500.0	300.00	1.022	.003	1.025	12546E-04	1258.081	433.76	2.87	2.90	.0300	1.00	.24	.04
REWA	5500	500.0	300.00	1.028	.001	1.029	38421E-05	1910.122	509.92	3.73	3.75	.0300	1.00	.16	.03
REWA	6000	500.0	300.00	1.030	.002	1.031	47715E-05	1748.310	482.60	3.62	3.62	.0300	1.00	.17	.03
REWA	6500	500.0	300.00	1.032	.002	1.034	55877E-05	1468.194	350.33	4.18	4.19	.0300	1.00	.20	.03
REWA	7000	500.0	300.00	1.035	.002	1.036	33433E-05	1710.500	347.82	4.88	4.92	.0300	1.00	.18	.03
REWA	7500	500.0	300.00	1.037	.001	1.038	33323E-05	1804.913	398.11	4.51	4.53	.0300	1.00	.17	.02
REWA	8000	500.0	300.00	1.039	.001	1.040	41093E-05	1977.486	586.03	3.36	3.37	.0300	1.00	.15	.03
REWA	8500	500.0	300.00	1.041	.001	1.042	40361E-05	1984.510	582.40	3.39	3.41	.0300	1.00	.15	.03
REWA	9000	500.0	300.00	1.043	.001	1.044	30564E-05	2294.865	681.09	3.36	3.37	.0300	1.00	.13	.02
REWA	9500	500.0	300.00	1.044	.001	1.045	28398E-05	2150.579	547.29	3.91	3.93	.0300	1.00	.14	.02
REWA	10000	500.0	300.00	1.046	.001	1.047	46860E-05	1879.262	567.72	3.30	3.31	.0300	1.00	.16	.02
REWA	10500	500.0	300.00	1.048	.002	1.049	48978E-05	1724.335	475.22	3.62	3.63	.0300	1.00	.17	.03
REWA	11000	500.0	300.00	1.050	.002	1.052	46995E-05	1551.277	352.73	4.38	4.40	.0300	1.00	.19	.03
REWA	11500	500.0	300.00	1.052	.002	1.054	42084E-05	1460.943	278.71	5.20	5.24	.0300	1.00	.21	.03
REWA	12000	500.0	300.00	1.055	.002	1.056	50626E-05	1574.302	387.73	4.05	4.06	.0300	1.00	.19	.03
REWA	12500	500.0	300.00	1.057	.002	1.059	52791E-05	1612.539	424.60	3.79	3.80	.0300	1.00	.19	.03
REWA	13000	500.0	300.00	1.060	.001	1.061	22281E-05	2050.098	402.94	5.04	5.09	.0300	1.00	.15	.02
REWA	13500	500.0	300.00	1.061	.002	1.063	57734E-05	1420.821	329.88	4.28	4.31	.0300	1.00	.21	.03
REWA	14000	500.0	300.00	1.064	.002	1.066	54411E-05	1594.206	422.10	3.77	3.78	.0300	1.00	.19	.03
REWA	14500	500.0	300.00	1.067	.002	1.069	66537E-05	1484.830	410.10	3.60	3.62	.0300	1.00	.20	.03
REWA	15000	500.0	300.00	1.070	.003	1.073	11217E-04	1226.852	376.50	3.24	3.26	.0300	1.00	.24	.04
REWA	15500	500.0	300.00	1.075	.003	1.078	77626E-05	1352.641	365.09	3.69	3.70	.0300	1.00	.22	.04
REWA	16000	500.0	300.00	1.079	.003	1.082	88556E-05	1227.661	316.15	3.87	3.88	.0300	1.00	.24	.04
REWA	16500	500.0	300.00	1.082	.003	1.086	84125E-05	1149.184	253.85	4.44	4.53	.0300	1.00	.26	.04
REWA	17000	500.0	300.00	1.088	.002	1.090	74935E-05	1412.784	394.79	3.55	3.58	.0300	1.00	.21	.04
REWA	17500	500.0	300.00	1.090	.004	1.095	99256E-05	1025.666	218.54	4.65	4.69	.0300	1.00	.29	.04
REWA	18000	500.0	300.00	1.096	.006	1.102	18865E-04	897.039	254.07	3.51	3.53	.0300	1.00	.33	.06
REWA	18500	500.0	300.00	1.106	.004	1.110	12736E-04	1082.079	302.95	3.56	3.57	.0300	1.00	.28	.05
REWA	19000	500.0	280.00	1.113	.004	1.117	16910E-04	964.988	311.97	3.08	3.09	.0300	1.00	.29	.05
REWA	19500	500.0	280.00	1.121	.004	1.125	15379E-04	966.906	291.04	3.30	3.32	.0300	1.00	.31	.05
REWA	20000	500.0	280.00	1.129	.005	1.134	17924E-04	903.914	275.46	3.25	3.28	.0300	1.00	.34	.06
REWA	20500	500.0	280.00	1.139	.006	1.144	25194E-04	833.186	291.35	2.85	2.86	.0300	1.00	.34	.06
REWA	21000	500.0	280.00	1.156	.009	1.165	55599E-04	667.586	302.95	2.19	2.20	.0300	1.00	.42	.09
REWA	21500	500.0	280.00	1.179	.005	1.183	20094E-04	898.372	296.87	3.01	3.03	.0300	1.00	.31	.06
REWA	22000	500.0	280.00	1.188	.005	1.193	19780E-04	895.690	291.19	3.06	3.08	.0300	1.00	.31	.06
REWA	22500	500.0	280.00	1.197	.004	1.201	10310E-04	973.332	215.09	4.41	4.53	.0300	1.00	.29	.04
REWA	23000	500.0	280.00	1.203	.001	1.204	15427E-05	1787.837	234.03	7.36	7.64	.0300	1.00	.16	.02
REWA	23500	500.0	280.00	1.208	.005	1.208	13220E-04	929.985	234.98	3.92	3.96	.0300	1.00	.30	.05
REWA	24000	500.0	280.00	1.208	.008	1.216	19790E-04	730.132	173.29	4.16	4.21	.0300	1.00	.38	.06
REWA	24500	500.0	280.00	1.219	.009	1.228	29942E-04	651.852	178.54	3.61	3.65	.0300	1.00	.43	.07
REWA	25000	500.0	280.00	1.236	.006	1.241	21688E-04	837.303	263.94	3.16	3.17	.0300	1.00	.33	.06
REWA	25500	500.0	280.00	1.245	.009	1.254	28980E-04	675.099	190.77	3.51	3.54	.0300	1.00	.41	.07
REWA	26000	500.0	280.00	1.264	.013	1.276	60095E-04	562.484	209.30	2.67	2.69	.0300	1.00	.50	.10
REWA	26500	500.0	280.00	1.293	.008	1.301	38001E-04	707.645	263.81	2.67	2.68	.0300	1.00	.40	.08
REWA	27000	500.0	280.00	1.312	.012	1.324	54578E-04	578.195	208.39	2.76	2.77	.0300	1.00	.48	.09
REWA	27500	500.0	280.00	1.337	.006	1.343	23069E-04	793.016	240.85	3.28	3.29	.0300	1.00	.35	.06
REWA	28000	500.0	280.00	1.348	.008	1.356	27585E-04	722.487	217.30	3.29	3.32	.0300	1.00	.39	.07
REWA	28500	500.0	280.00	1.363	.007	1.370	28296E-04	747.252	241.00	3.07	3.10	.0300	1.00	.37	.07
REWA	29000	500.0	280.00	1.378	.009	1.387	41629E-04	656.737	234.07	2.79	2.81	.0300	1.00	.43	.08
REWA	29500	500.0	280.00	1.398	.010	1.408	41709E-04	620.840	202.41	3.03	3.07	.0300	1.00	.45	.08

REWA	30000	500.0	280.00	1.425	.013	1.438	78291E-04	551.563	242.83	2.26	2.27	.0300	1.00	.51	.11
REWA	30500	500.0	280.00	1.459	.010	1.469	43894E-04	636.592	225.54	2.81	2.82	.0300	1.00	.44	.08
REWA	31000	500.0	280.00	1.478	.007	1.485	21077E-04	741.750	190.02	3.87	3.90	.0300	1.00	.38	.06
REWA	31500	500.0	280.00	1.489	.004	1.493	51813E-05	1022.503	227.19	4.46	4.50	.0300	1.00	.27	.04
REWA	32000	500.0	280.00	1.495	.009	1.504	36717E-04	654.497	210.71	3.08	3.11	.0300	1.00	.43	.08
REWA	32500	500.0	280.00	1.511	.008	1.518	20864E-04	728.941	179.68	4.01	4.06	.0300	1.00	.38	.05
REWA	33000	500.0	280.00	1.522	.011	1.533	64637E-04	593.712	165.12	3.56	3.60	.0300	1.00	.47	.08
REWA	33500	500.0	280.00	1.539	.019	1.558	36858E-04	460.501	133.10	3.42	3.46	.0300	1.00	.61	.10
REWA	34000	500.0	280.00	1.573	.010	1.583	35326E-04	626.248	182.51	3.39	3.43	.0300	1.00	.45	.08
REWA	34500	500.0	280.00	1.587	.016	1.603	44025E-04	495.239	118.34	4.09	4.19	.0300	1.00	.57	.09
REWA	35000	500.0	280.00	1.617	.013	1.630	64646E-04	558.977	217.77	2.56	2.57	.0300	1.00	.50	.10
REWA	35500	500.0	280.00	1.668	.047	1.716	27710E-03	290.426	126.16	2.29	2.30	.0300	1.00	.96	.20
REWA	36000	500.0	280.00	1.787	.012	1.799	55448E-04	579.790	212.71	2.71	2.73	.0300	1.00	.48	.09
REWA	36500	500.0	280.00	1.835	.047	1.882	27670E-03	291.928	127.59	2.28	2.29	.0300	1.00	.96	.20
REWA	37000	500.0	280.00	1.953	.019	1.972	85759E-04	456.383	161.78	2.80	2.82	.0300	1.00	.61	.12
REWA	37500	500.0	280.00	1.996	.016	2.012	74176E-04	495.904	178.65	2.76	2.78	.0300	1.00	.56	.11
REWA	38000	500.0	280.00	2.032	.012	2.044	53887E-04	572.325	200.65	2.83	2.85	.0300	1.00	.49	.09
REWA	38500	500.0	280.00	2.055	.012	2.067	36188E-04	588.937	159.81	3.65	3.69	.0300	1.00	.48	.08
REWA	39000	500.0	280.00	2.073	.014	2.087	44230E-04	532.518	144.47	3.65	3.69	.0300	1.00	.53	.09
REWA	39500	500.0	280.00	2.095	.010	2.105	28329E-04	635.377	160.36	3.91	3.96	.0300	1.00	.44	.07
REWA	40000	500.0	280.00	2.119	.036	2.155	17059E-03	335.174	124.84	2.66	2.68	.0300	1.00	.84	.16
REWA	40500	500.0	280.00	2.198	.014	2.212	58784E-04	530.584	177.23	2.97	2.99	.0300	1.00	.53	.10
REWA	41000	500.0	280.00	2.229	.015	2.243	65870E-04	520.403	183.83	2.80	2.83	.0300	1.00	.54	.10
REWA	41500	500.0	280.00	2.259	.015	2.274	56999E-04	520.694	165.23	3.12	3.15	.0300	1.00	.54	.10
REWA	42000	500.0	280.00	2.289	.018	2.307	72529E-04	477.677	159.73	2.97	2.99	.0300	1.00	.59	.11
REWA	42500	500.0	280.00	2.323	.015	2.337	50940E-04	522.118	152.53	3.38	3.42	.0300	1.00	.54	.09
REWA	43000	500.0	280.00	2.349	.014	2.364	53475E-04	529.117	163.78	3.20	3.23	.0300	1.00	.53	.09
REWA	43500	500.0	280.00	2.377	.015	2.391	57881E-04	519.312	166.19	3.10	3.12	.0300	1.00	.54	.10
REWA	44000	500.0	280.00	2.408	.016	2.423	69872E-04	506.704	179.70	2.79	2.82	.0300	1.00	.55	.11
REWA	44500	500.0	280.00	2.442	.015	2.457	65981E-04	519.543	183.65	2.81	2.83	.0300	1.00	.54	.10
REWA	45000	500.0	280.00	2.469	.013	2.482	32500E-04	562.526	130.88	4.24	4.30	.0300	1.00	.50	.09
REWA	45500	500.0	280.00	2.494	.020	2.515	98516E-04	443.462	165.31	2.64	2.68	.0300	1.00	.63	.12
REWA	46000	500.0	280.00	2.537	.018	2.555	63085E-04	475.745	142.13	3.31	3.35	.0300	1.00	.59	.10
REWA	46500	500.0	280.00	2.568	.015	2.584	51757E-04	509.195	145.13	3.47	3.51	.0300	1.00	.55	.09
REWA	47000	500.0	280.00	2.597	.019	2.616	76915E-04	458.978	150.81	3.01	3.04	.0300	1.00	.61	.11
REWA	47500	500.0	280.00	2.630	.016	2.646	44024E-04	497.255	120.92	4.06	4.11	.0300	1.00	.56	.09
REWA	48000	500.0	228.00	2.657	.026	2.683	10203E-03	322.078	104.56	3.65	3.08	.0300	1.00	.71	.13
REWA	48500	500.0	228.00	2.709	.017	2.726	71732E-04	399.000	137.17	2.88	2.91	.0300	1.00	.57	.11
REWA	49000	500.0	228.00	2.741	.014	2.755	44164E-04	439.173	120.07	3.59	3.66	.0300	1.00	.52	.09
REWA	49500	500.0	228.00	2.766	.019	2.785	75351E-04	375.576	122.02	3.04	3.08	.0300	1.00	.61	.11
REWA	50000	500.0	228.00	2.799	.013	2.812	33958E-04	450.638	104.58	4.20	4.31	.0300	1.00	.51	.08

\*\*\* 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, 500m3/s, REWA"

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
REWA	0	500.00	1.000	.001	1.001	.55071E-05	3140.278	1081.02	2.90	2.90	.0300	1.00	.16	.03
REWA	1000/1000.0	500.00	1.006	.002	1.008	.87195E-05	2485.369	849.75	2.92	2.92	.0300	1.00	.20	.04
REWA	1500 500.0	500.00	1.011	.002	1.013	.94980E-05	2515.552	932.79	2.69	2.70	.0300	1.00	.20	.04
REWA	2000 500.0	500.00	1.016	.003	1.018	.12091E-04	2187.499	788.29	2.77	2.77	.0300	1.00	.23	.04
REWA	2500 500.0	500.00	1.023	.003	1.026	.19647E-04	2089.246	1011.17	2.06	2.07	.0300	1.00	.24	.05
REWA	3000 500.0	500.00	1.033	.003	1.035	.16112E-04	2175.401	964.15	2.25	2.26	.0300	1.00	.23	.05
REWA	3500 500.0	500.00	1.039	.002	1.041	.51761E-05	2746.728	736.93	3.72	3.73	.0300	1.00	.18	.03

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REWA	4000	500.0	500.00	1.039	.005	1.044	.10190E-04	1599.761	316.01	5.03	5.06	.0300	1.00	.31	.04
REWA	4500	500.0	500.00	1.046	.008	1.054	.26566E-04	1273.602	364.18	3.45	3.50	.0300	1.00	.39	.07
REWA	5000	500.0	500.00	1.061	.008	1.069	.33364E-04	1274.732	433.76	2.91	2.94	.0300	1.00	.39	.07
REWA	5500	500.0	500.00	1.076	.003	1.079	.10233E-04	1934.593	510.00	3.77	3.79	.0300	1.00	.26	.04
REWA	6000	500.0	500.00	1.081	.004	1.085	.12653E-04	1772.997	482.60	3.67	3.67	.0300	1.00	.28	.05
REWA	6500	500.0	500.00	1.086	.006	1.092	.14883E-04	1487.235	350.52	4.23	4.24	.0300	1.00	.34	.05
REWA	7000	500.0	500.00	1.094	.004	1.098	.89344E-05	1731.032	348.07	4.94	4.97	.0300	1.00	.29	.04
REWA	7500	500.0	500.00	1.099	.004	1.102	.89498E-05	1829.636	398.12	4.57	4.60	.0300	1.00	.27	.04
REWA	8000	500.0	500.00	1.104	.003	1.107	.10713E-04	2015.914	586.29	3.43	3.44	.0300	1.00	.25	.04
REWA	8500	500.0	500.00	1.110	.003	1.113	.10724E-04	2023.817	591.63	3.41	3.42	.0300	1.00	.25	.04
REWA	9000	500.0	500.00	1.115	.002	1.117	.80467E-05	2344.613	690.55	3.39	3.40	.0300	1.00	.21	.04
REWA	9500	500.0	500.00	1.119	.003	1.121	.78448E-05	2192.054	571.17	3.82	3.84	.0300	1.00	.23	.04
REWA	10000	500.0	500.00	1.123	.003	1.126	.12308E-04	1923.545	578.93	3.31	3.32	.0300	1.00	.26	.05
REWA	10500	500.0	500.00	1.129	.004	1.133	.12685E-04	1762.747	475.85	3.70	3.70	.0300	1.00	.28	.05
REWA	11000	500.0	500.00	1.134	.005	1.139	.12347E-04	1581.023	354.73	4.44	4.46	.0300	1.00	.32	.05
REWA	11500	500.0	500.00	1.139	.006	1.145	.11079E-04	1485.233	278.92	5.29	5.32	.0300	1.00	.34	.05
REWA	12000	500.0	500.00	1.146	.005	1.151	.13072E-04	1609.771	388.01	4.14	4.15	.0300	1.00	.31	.05
REWA	12500	500.0	500.00	1.153	.005	1.157	.13511E-04	1653.166	424.87	3.88	3.89	.0300	1.00	.30	.05
REWA	13000	500.0	500.00	1.159	.003	1.162	.58069E-05	2090.273	403.06	5.14	5.19	.0300	1.00	.24	.03
REWA	13500	500.0	500.00	1.161	.006	1.167	.14862E-04	1454.117	330.07	4.38	4.41	.0300	1.00	.34	.05
REWA	14000	500.0	500.00	1.170	.005	1.175	.13811E-04	1639.026	422.75	3.86	3.88	.0300	1.00	.31	.05
REWA	14500	500.0	500.00	1.177	.005	1.182	.16747E-04	1530.076	410.48	3.71	3.73	.0300	1.00	.33	.05
REWA	15000	500.0	500.00	1.186	.007	1.193	.27772E-04	1270.333	376.65	3.35	3.37	.0300	1.00	.39	.07
REWA	15500	500.0	500.00	1.199	.007	1.205	.19454E-04	1397.839	366.86	3.79	3.81	.0300	1.00	.36	.06
REWA	16000	500.0	500.00	1.208	.008	1.216	.22103E-04	1268.366	316.48	3.99	4.01	.0300	1.00	.39	.06
REWA	16500	500.0	500.00	1.217	.009	1.226	.21276E-04	1183.444	254.57	4.56	4.65	.0300	1.00	.42	.06
REWA	17000	500.0	500.00	1.230	.006	1.236	.18344E-04	1469.068	395.84	3.68	3.71	.0300	1.00	.34	.06
REWA	17500	500.0	500.00	1.236	.011	1.247	.24974E-04	1057.514	218.91	4.78	4.83	.0300	1.00	.47	.07
REWA	18000	500.0	500.00	1.250	.015	1.265	.45682E-04	936.312	255.03	3.65	3.67	.0300	1.00	.53	.09
REWA	18500	500.0	500.00	1.274	.010	1.284	.30446E-04	1133.061	303.63	3.72	3.73	.0300	1.00	.44	.07
REWA	19000	500.0	467.00	1.291	.011	1.301	.39642E-04	1020.900	315.74	3.22	3.23	.0300	1.00	.46	.08
REWA	19500	500.0	467.00	1.310	.011	1.320	.36195E-04	1022.223	294.90	3.44	3.47	.0300	1.00	.46	.08
REWA	20000	500.0	467.00	1.328	.012	1.340	.41431E-04	959.021	277.85	3.42	3.45	.0300	1.00	.49	.08
REWA	20500	500.0	467.00	1.350	.014	1.364	.55336E-04	894.940	292.51	3.04	3.06	.0300	1.00	.52	.10
REWA	21000	500.0	467.00	1.385	.020	1.406	.11170E-03	737.380	304.22	2.41	2.42	.0300	1.00	.63	.13
REWA	21500	500.0	467.00	1.433	.012	1.444	.42853E-04	973.921	297.44	3.26	3.27	.0300	1.00	.48	.08
REWA	22000	500.0	467.00	1.454	.012	1.466	.41887E-04	973.058	291.69	3.32	3.34	.0300	1.00	.48	.08
REWA	22500	500.0	467.00	1.472	.010	1.482	.24142E-04	1033.372	219.46	4.58	4.71	.0300	1.00	.45	.07
REWA	23000	500.0	467.00	1.486	.003	1.489	.38167E-05	1854.150	234.44	7.61	7.91	.0300	1.00	.25	.03
REWA	23500	500.0	467.00	1.486	.011	1.498	.29771E-04	996.981	238.59	4.13	4.18	.0300	1.00	.47	.07
REWA	24000	500.0	467.00	1.498	.018	1.516	.44654E-04	780.524	174.85	4.40	4.46	.0300	1.00	.60	.09
REWA	24500	500.0	467.00	1.521	.022	1.543	.64365E-04	705.933	179.41	3.89	3.93	.0300	1.00	.66	.11
REWA	25000	500.0	467.00	1.557	.013	1.571	.44001E-04	922.476	265.23	3.46	3.48	.0300	1.00	.51	.09
REWA	25500	500.0	467.00	1.576	.020	1.597	.60826E-04	738.667	193.25	3.79	3.82	.0300	1.00	.63	.10
REWA	26000	500.0	467.00	1.612	.028	1.640	.11191E-03	635.605	209.94	3.01	3.03	.0300	1.00	.73	.13
REWA	26500	500.0	467.00	1.668	.017	1.685	.69070E-04	807.157	266.26	3.02	3.03	.0300	1.00	.58	.11
REWA	27000	500.0	467.00	1.702	.026	1.727	.98772E-04	659.645	209.64	3.12	3.15	.0300	1.00	.71	.13
REWA	27500	500.0	467.00	1.749	.014	1.763	.43699E-04	892.511	242.26	3.66	3.66	.0300	1.00	.52	.09
REWA	28000	500.0	467.00	1.770	.017	1.787	.52329E-04	814.613	219.99	3.67	3.70	.0300	1.00	.57	.10
REWA	28500	500.0	467.00	1.797	.015	1.813	.51143E-04	852.163	241.82	3.49	3.52	.0300	1.00	.55	.09
REWA	29000	500.0	467.00	1.824	.019	1.843	.71945E-04	761.764	237.15	3.19	3.21	.0300	1.00	.61	.11

REWA	29500	500.0	467.00	1.858	.022	1.880	.73376E-04	714.211	203.34	3.47	3.51	.0300	1.00	.65	.11
REWA	30000	500.0	467.00	1.902	.025	1.927	.11619E-03	667.722	244.09	2.72	2.74	.0300	1.00	.70	.14
REWA	30500	500.0	467.00	1.954	.020	1.974	.71909E-04	748.752	227.20	3.23	3.30	.0300	1.00	.62	.11
REWA	31000	500.0	467.00	1.986	.016	2.002	.39430E-04	838.765	191.50	4.34	4.38	.0300	1.00	.56	.08
REWA	31500	500.0	467.00	2.008	.009	2.016	.17992E-04	1141.186	229.64	4.92	4.97	.0300	1.00	.61	.06
REWA	32000	500.0	467.00	2.017	.019	2.036	.61728E-04	765.313	213.36	3.56	3.59	.0300	1.00	.41	.10
REWA	32500	500.0	467.00	2.045	.016	2.061	.38853E-04	825.266	180.96	4.49	4.56	.0300	1.00	.57	.08
REWA	33000	500.0	467.00	2.064	.024	2.087	.65061E-04	683.693	166.73	4.05	4.10	.0300	1.00	.68	.11
REWA	33500	500.0	467.00	2.093	.039	2.132	.11242E-03	534.870	135.84	3.88	3.94	.0300	1.00	.87	.14
REWA	34000	500.0	467.00	2.154	.021	2.175	.59437E-04	733.181	185.41	3.90	3.95	.0300	1.00	.64	.10
REWA	34500	500.0	467.00	2.175	.035	2.210	.81107E-04	565.573	120.90	4.56	4.68	.0300	1.00	.83	.12
REWA	35000	500.0	467.00	2.229	.023	2.253	.89902E-04	693.529	221.80	3.11	3.13	.0300	1.00	.67	.12
REWA	35500	500.0	467.00	2.283	.082	2.365	.35878E-03	368.814	128.85	2.84	2.86	.0300	1.00	1.27	.24
REWA	36000	500.0	467.00	2.452	.021	2.474	.76759E-04	723.483	219.14	3.29	3.30	.0300	1.00	.65	.11
REWA	36500	500.0	467.00	2.500	.078	2.578	.33874E-03	377.983	131.23	2.86	2.88	.0300	1.00	1.24	.23
REWA	37000	500.0	467.00	2.657	.034	2.691	.11558E-03	571.197	164.27	3.45	3.48	.0300	1.00	.82	.14
REWA	37500	500.0	467.00	2.716	.028	2.745	.9261E-04	626.541	184.82	3.36	3.39	.0300	1.00	.75	.13
REWA	38000	500.0	467.00	2.766	.021	2.787	.70774E-04	720.178	202.48	3.52	3.56	.0300	1.00	.65	.11
REWA	38500	500.0	467.00	2.797	.022	2.819	.56086E-04	708.816	163.52	4.29	4.33	.0300	1.00	.66	.10
REWA	39000	500.0	467.00	2.823	.027	2.850	.67730E-04	641.797	146.79	4.32	4.37	.0300	1.00	.73	.11
REWA	39500	500.0	467.00	2.859	.019	2.878	.44604E-04	758.664	162.58	4.60	4.67	.0300	1.00	.62	.09
REWA	40000	500.0	467.00	2.883	.060	2.942	.21229E-03	431.785	128.29	3.32	3.37	.0300	1.00	1.08	.19
REWA	40500	500.0	467.00	2.990	.025	3.015	.77352E-04	673.363	183.28	3.64	3.67	.0300	1.00	.69	.12
REWA	41000	500.0	467.00	3.030	.025	3.054	.81572E-04	669.023	187.37	3.53	3.57	.0300	1.00	.70	.12
REWA	41500	500.0	467.00	3.068	.026	3.094	.76163E-04	656.142	169.68	3.83	3.87	.0300	1.00	.71	.12
REWA	42000	500.0	467.00	3.106	.030	3.136	.92770E-04	610.007	164.11	3.68	3.72	.0300	1.00	.77	.13
REWA	42500	500.0	467.00	3.151	.026	3.177	.70599E-04	649.785	155.86	4.11	4.17	.0300	1.00	.72	.11
REWA	43000	500.0	467.00	3.187	.025	3.212	.70389E-04	667.560	166.66	3.96	4.01	.0300	1.00	.70	.11
REWA	43500	500.0	467.00	3.223	.025	3.249	.74693E-04	662.121	171.20	3.83	3.87	.0300	1.00	.71	.11
REWA	44000	500.0	467.00	3.262	.025	3.288	.82662E-04	662.332	184.66	3.55	3.59	.0300	1.00	.71	.12
REWA	44500	500.0	467.00	3.304	.024	3.328	.77241E-04	679.185	167.15	3.60	3.63	.0300	1.00	.69	.12
REWA	45000	500.0	467.00	3.335	.024	3.360	.50366E-04	677.136	133.60	4.98	5.07	.0300	1.00	.69	.10
REWA	45500	500.0	467.00	3.367	.032	3.400	.10898E-03	588.833	167.64	3.44	3.51	.0300	1.00	.79	.14
REWA	46000	500.0	467.00	3.417	.031	3.448	.83376E-04	602.865	146.77	4.06	4.11	.0300	1.00	.77	.12
REWA	46500	500.0	467.00	3.459	.027	3.486	.69539E-04	639.806	148.41	4.26	4.31	.0300	1.00	.73	.11
REWA	47000	500.0	467.00	3.495	.031	3.526	.92722E-04	596.047	154.45	3.81	3.86	.0300	1.00	.78	.13
REWA	47500	500.0	467.00	3.536	.030	3.566	.65409E-04	608.539	124.78	4.80	4.88	.0300	1.00	.77	.11
REWA	48000	500.0	380.00	3.571	.042	3.613	.12354E-03	419.185	108.01	3.83	3.88	.0300	1.00	.91	.15
REWA	48500	500.0	380.00	3.638	.026	3.664	.81040E-04	527.635	139.98	3.72	3.77	.0300	1.00	.72	.12
REWA	49000	500.0	380.00	3.675	.024	3.699	.59451E-04	552.822	123.52	4.37	4.48	.0300	1.00	.69	.10
REWA	49500	500.0	380.00	3.706	.030	3.737	.89235E-04	491.987	125.98	3.84	3.91	.0300	1.00	.77	.12
REWA	50000	500.0	380.00	3.747	.024	3.772	.50550E-04	551.459	108.03	4.96	5.10	.0300	1.00	.69	.10

\*\*\* 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, REWA~

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
REWA	0	1000.00	1.000	.005	1.005	.22028E-04	3140.278	1081.02	2.90	2.90	.0300	1.00	.32	.06
REWA	10001000.0	1000.00	1.025	.008	1.033	.34151E-04	2501.319	849.90	2.94	2.94	.0300	1.00	.40	.07
REWA	1500500.0	1000.00	1.043	.008	1.051	.36576E-04	2545.526	933.82	2.72	2.73	.0300	1.00	.39	.08
REWA	2000500.0	1000.00	1.061	.010	1.072	.46010E-04	2223.473	790.91	2.81	2.81	.0300	1.00	.45	.09
REWA	2500500.0	1000.00	1.090	.011	1.101	.71079E-04	2156.645	1015.24	2.12	2.12	.0300	1.00	.46	.10
REWA	3000500.0	1000.00	1.123	.010	1.133	.56575E-04	2262.443	964.41	2.34	2.35	.0300	1.00	.44	.09
REWA	3500500.0	1000.00	1.145	.006	1.152	.18861E-04	2825.134	737.08	3.82	3.83	.0300	1.00	.35	.06

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REWA	4000	500.0	1000.00	1.147	.019	1.166	.38076E-04	1633.684	316.01	5.13	5.17	.0300	1.00	.61	.09
REWA	4500	500.0	1000.00	1.170	.029	1.199	.94596E-04	1318.764	364.18	3.57	3.62	.0300	1.00	.76	.13
REWA	5000	500.0	1000.00	1.222	.028	1.251	.11174E-03	1344.894	433.76	3.07	3.10	.0300	1.00	.74	.13
REWA	5500	500.0	1000.00	1.275	.012	1.287	.34557E-04	2036.025	510.00	3.97	3.99	.0300	1.00	.49	.08
REWA	6000	500.0	1000.00	1.292	.015	1.306	.42072E-04	1874.710	482.60	3.88	3.88	.0300	1.00	.53	.09
REWA	6500	500.0	1000.00	1.309	.021	1.330	.50402E-04	1565.288	351.32	4.44	4.46	.0300	1.00	.64	.10
REWA	7000	500.0	1000.00	1.334	.015	1.350	.30657E-04	1814.867	343.97	5.16	5.20	.0300	1.00	.55	.08
REWA	7500	500.0	1000.00	1.351	.014	1.365	.29668E-04	1930.167	398.13	4.82	4.85	.0300	1.00	.52	.08
REWA	8000	500.0	1000.00	1.370	.011	1.381	.33511E-04	2171.705	586.88	3.69	3.70	.0300	1.00	.46	.08
REWA	8500	500.0	1000.00	1.388	.011	1.398	.36542E-04	2196.822	643.94	3.40	3.41	.0300	1.00	.46	.08
REWA	9000	500.0	1000.00	1.407	.008	1.414	.28439E-04	2561.194	784.43	3.26	3.27	.0300	1.00	.39	.07
REWA	9500	500.0	1000.00	1.419	.009	1.428	.25828E-04	2368.181	597.59	3.94	3.96	.0300	1.00	.42	.07
REWA	10000	500.0	1000.00	1.434	.011	1.446	.45210E-04	2117.394	695.54	3.06	3.04	.0300	1.00	.47	.09
REWA	10500	500.0	1000.00	1.453	.014	1.467	.38565E-04	1917.447	478.49	4.00	4.01	.0300	1.00	.52	.08
REWA	11000	500.0	1000.00	1.469	.018	1.486	.39437E-04	1700.582	359.57	4.71	4.73	.0300	1.00	.59	.09
REWA	11500	500.0	1000.00	1.485	.020	1.505	.36563E-04	1582.277	282.67	5.55	5.60	.0300	1.00	.63	.09
REWA	12000	500.0	1000.00	1.508	.017	1.524	.39842E-04	1750.408	389.98	4.47	4.49	.0300	1.00	.57	.09
REWA	12500	500.0	1000.00	1.529	.016	1.544	.39911E-04	1813.088	426.09	4.24	4.26	.0300	1.00	.55	.09
REWA	13000	500.0	1000.00	1.549	.010	1.559	.18303E-04	2247.271	403.51	5.51	5.57	.0300	1.00	.44	.06
REWA	13500	500.0	1000.00	1.554	.020	1.575	.44901E-04	1583.924	330.82	4.75	4.79	.0300	1.00	.63	.09
REWA	14000	500.0	1000.00	1.580	.016	1.596	.39744E-04	1812.969	424.65	4.25	4.27	.0300	1.00	.55	.09
REWA	14500	500.0	1000.00	1.600	.018	1.618	.48053E-04	1705.686	419.71	4.04	4.06	.0300	1.00	.59	.09
REWA	15000	500.0	1000.00	1.624	.025	1.648	.74203E-04	1435.438	377.24	3.78	3.81	.0300	1.00	.70	.11
REWA	15500	500.0	1000.00	1.660	.021	1.680	.53873E-04	1567.903	370.87	4.21	4.23	.0300	1.00	.64	.10
REWA	16000	500.0	1000.00	1.685	.025	1.710	.66297E-04	1423.447	339.91	4.16	4.19	.0300	1.00	.70	.11
REWA	16500	500.0	1000.00	1.713	.030	1.742	.61526E-04	1310.167	257.22	4.99	5.09	.0300	1.00	.76	.11
REWA	17000	500.0	1000.00	1.751	.018	1.770	.47749E-04	1675.997	398.53	4.17	4.21	.0300	1.00	.60	.09
REWA	17500	500.0	1000.00	1.762	.037	1.799	.71432E-04	1173.136	220.26	5.26	5.33	.0300	1.00	.85	.12
REWA	18000	500.0	1000.00	1.803	.044	1.847	.11707E-03	1078.513	259.84	4.12	4.15	.0300	1.00	.93	.15
REWA	18500	500.0	1000.00	1.865	.030	1.895	.75341E-04	1313.234	306.04	4.27	4.29	.0300	1.00	.76	.12
REWA	19000	500.0	934.00	1.906	.030	1.936	.91944E-04	1218.582	326.18	3.71	3.74	.0300	1.00	.77	.13
REWA	19500	500.0	934.00	1.951	.030	1.981	.86996E-04	1216.548	310.83	3.88	3.91	.0300	1.00	.81	.13
REWA	20000	500.0	934.00	1.993	.034	2.027	.96859E-04	1147.610	289.77	3.91	3.96	.0300	1.00	.85	.14
REWA	20500	500.0	934.00	2.043	.037	2.080	.11418E-03	1099.048	296.55	3.69	3.71	.0300	1.00	.98	.18
REWA	21000	500.0	934.00	2.107	.049	2.224	.86139E-04	1200.874	299.14	3.99	4.01	.0300	1.00	.78	.12
REWA	21500	500.0	934.00	2.194	.031	2.267	.84708E-04	1202.221	296.19	4.03	4.05	.0300	1.00	.78	.12
REWA	22000	500.0	934.00	2.236	.031	2.283	.60453E-04	1213.992	231.16	5.11	5.25	.0300	1.00	.77	.11
REWA	22500	500.0	934.00	2.273	.030	2.303	.11096E-04	2048.052	235.63	8.32	8.69	.0300	1.00	.46	.05
REWA	23000	500.0	934.00	2.311	.011	2.321	.67149E-04	1196.827	244.89	4.83	4.89	.0300	1.00	.78	.11
REWA	23500	500.0	934.00	2.310	.031	2.341	.10396E-03	928.613	179.64	5.09	5.17	.0300	1.00	1.01	.14
REWA	24000	500.0	934.00	2.332	.052	2.384	.13957E-03	866.019	188.70	4.53	4.59	.0300	1.00	1.08	.16
REWA	24500	500.0	934.00	2.385	.059	2.445	.82405E-04	1165.434	268.88	4.31	4.33	.0300	1.00	.80	.12
REWA	25000	500.0	934.00	2.467	.033	2.500	.12373E-03	920.896	201.69	4.52	4.57	.0300	1.00	1.01	.15
REWA	25500	500.0	934.00	2.499	.052	2.552	.12973E-03	836.464	212.41	3.90	3.94	.0300	1.00	1.12	.18
REWA	26000	500.0	934.00	2.565	.064	2.628	.10984E-03	1075.275	272.75	3.92	3.94	.0300	1.00	.87	.14
REWA	26500	500.0	934.00	2.663	.038	2.701	.10984E-03	1075.275	272.75	4.06	4.10	.0300	1.00	1.07	.17
REWA	27000	500.0	934.00	2.710	.058	2.769	.15919E-03	872.735	212.85	4.62	4.67	.0300	1.00	.81	.12
REWA	27500	500.0	934.00	2.794	.034	2.823	.77499E-04	1147.675	245.93	4.57	4.62	.0300	1.00	.89	.13
REWA	28000	500.0	934.00	2.830	.040	2.871	.93863E-04	1050.947	227.43	4.49	4.56	.0300	1.00	.84	.13
REWA	28500	500.0	934.00	2.880	.036	2.915	.85124E-04	1115.477	244.76	4.14	4.17	.0300	1.00	.91	.14
REWA	29000	500.0	934.00	2.923	.042	2.965	.11194E-03	1027.247	246.24	4.14	4.17	.0300	1.00	.91	.14

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REWA	29500	500.0	934.00	2.972	.050	3.023	.11905E-03	941.663	204.88	4.50	4.60	.0300	1.00	.99	.15
REWA	30000	500.0	934.00	3.041	.049	3.090	.15107E-03	948.765	252.33	3.72	3.76	.0300	1.00	.98	.16
REWA	30500	500.0	934.00	3.112	.043	3.155	.10813E-03	1014.041	232.25	4.33	4.37	.0300	1.00	.92	.14
REWA	31000	500.0	934.00	3.161	.039	3.200	.73097E-04	1065.745	194.91	5.39	5.47	.0300	1.00	.88	.12
REWA	31500	500.0	934.00	3.205	.022	3.227	.35605E-04	1417.158	231.27	6.03	6.13	.0300	1.00	.66	.09
REWA	32000	500.0	934.00	3.218	.042	3.261	.97222E-04	1025.471	220.05	4.61	4.66	.0300	1.00	.91	.13
REWA	32500	500.0	934.00	3.262	.041	3.303	.72711E-04	1047.525	185.02	5.56	5.66	.0300	1.00	.89	.12
REWA	33000	500.0	934.00	3.293	.056	3.349	.11216E-03	891.223	171.45	5.12	5.20	.0300	1.00	1.05	.15
REWA	33500	500.0	934.00	3.335	.089	3.424	.18760E-03	707.335	141.16	4.92	5.01	.0300	1.00	1.32	.19
REWA	34000	500.0	934.00	3.448	.047	3.495	.95793E-04	977.395	192.00	5.01	5.09	.0300	1.00	.96	.14
REWA	34500	500.0	934.00	3.472	.084	3.557	.15064E-03	726.102	126.54	5.58	5.74	.0300	1.00	1.29	.17
REWA	35000	500.0	934.00	3.577	.045	3.622	.11578E-03	997.513	228.16	4.34	4.37	.0300	1.00	.94	.14
REWA	35500	500.0	934.00	3.605	.151	3.756	.42227E-03	542.914	134.61	3.98	4.03	.0300	1.00	1.72	.27
REWA	36000	500.0	934.00	3.845	.041	3.886	.99451E-04	1037.770	231.58	4.45	4.48	.0300	1.00	.90	.14
REWA	36500	500.0	934.00	3.869	.140	4.009	.39258E-03	564.505	140.77	3.97	4.01	.0300	1.00	1.65	.26
REWA	37000	500.0	934.00	4.077	.068	4.145	.15187E-03	807.492	168.56	4.72	4.79	.0300	1.00	1.16	.17
REWA	37500	500.0	934.00	4.159	.055	4.214	.12515E-03	896.736	189.81	4.67	4.72	.0300	1.00	1.04	.15
REWA	38000	500.0	934.00	4.226	.043	4.269	.92603E-04	1019.641	208.20	4.83	4.90	.0300	1.00	.92	.13
REWA	38500	500.0	934.00	4.265	.049	4.314	.88624E-04	954.338	170.91	5.51	5.58	.0300	1.00	.98	.13
REWA	39000	500.0	934.00	4.304	.059	4.364	.10567E-03	866.145	157.09	5.43	5.51	.0300	1.00	1.08	.15
REWA	39500	500.0	934.00	4.366	.044	4.409	.72966E-04	1007.127	168.01	5.88	5.99	.0300	1.00	.93	.12
REWA	40000	500.0	934.00	4.390	.113	4.493	.26118E-03	628.981	135.04	4.58	4.66	.0300	1.00	1.48	.22
REWA	40500	500.0	934.00	4.536	.048	4.583	.10046E-03	964.720	193.18	4.93	4.99	.0300	1.00	.97	.14
REWA	41000	500.0	934.00	4.586	.048	4.634	.10189E-03	967.736	196.55	4.86	4.92	.0300	1.00	.97	.14
REWA	41500	500.0	934.00	4.633	.052	4.685	.10265E-03	928.462	178.30	5.14	5.21	.0300	1.00	1.01	.14
REWA	42000	500.0	934.00	4.682	.058	4.740	.11808E-03	873.275	169.63	5.07	5.15	.0300	1.00	1.07	.15
REWA	42500	500.0	934.00	4.742	.054	4.796	.10427E-03	905.086	168.65	5.28	5.37	.0300	1.00	1.03	.14
REWA	43000	500.0	934.00	4.796	.050	4.846	.96137E-04	943.117	176.10	5.27	5.36	.0300	1.00	.99	.14
REWA	43500	500.0	934.00	4.845	.049	4.895	.98077E-04	951.060	183.12	5.13	5.19	.0300	1.00	.98	.14
REWA	44000	500.0	934.00	4.896	.047	4.944	.98032E-04	970.425	192.12	4.98	5.05	.0300	1.00	.96	.14
REWA	44500	500.0	934.00	4.946	.045	4.991	.91866E-04	992.027	193.76	5.05	5.12	.0300	1.00	.94	.13
REWA	45000	500.0	934.00	4.980	.055	5.035	.82417E-04	900.728	138.38	6.34	6.51	.0300	1.00	1.04	.13
REWA	45500	500.0	934.00	5.028	.059	5.086	.12456E-03	871.119	173.53	4.89	5.02	.0300	1.00	1.07	.15
REWA	46000	500.0	934.00	5.085	.061	5.146	.11525E-03	854.124	157.40	5.34	5.43	.0300	1.00	1.09	.15
REWA	46500	500.0	934.00	5.144	.055	5.200	.97359E-04	895.942	156.06	5.64	5.74	.0300	1.00	1.04	.14
REWA	47000	500.0	934.00	5.194	.059	5.253	.11651E-03	866.324	164.56	5.19	5.26	.0300	1.00	1.03	.15
REWA	47500	500.0	934.00	5.244	.065	5.308	.10467E-03	829.701	135.67	6.00	6.12	.0300	1.00	1.13	.15
REWA	48000	500.0	760.00	5.295	.079	5.373	.15524E-03	612.190	116.20	5.17	5.27	.0300	1.00	1.24	.17
REWA	48500	500.0	760.00	5.387	.049	5.436	.94522E-04	777.120	145.24	5.24	5.35	.0300	1.00	.98	.14
REWA	49000	500.0	760.00	5.433	.049	5.481	.87271E-04	778.547	136.73	5.55	5.69	.0300	1.00	.96	.13
REWA	49500	500.0	760.00	5.475	.056	5.531	.11160E-03	723.624	137.66	5.15	5.26	.0300	1.00	1.05	.15
REWA	50000	500.0	760.00	5.526	.052	5.579	.79392E-04	749.380	114.50	6.31	6.54	.0300	1.00	1.01	.13



\*\*\* Legend \*\*\*

NAME ..... Section Name  
 DELTX .... Distance (M)  
 Q ..... Discharge (MG/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 :  $FR = V/SORT(9.8*(A/B)/ALPHA)$

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"Non-Uniform Flow, 3000m3/s, REWA"

NAME	DELTX (M)	Q (MG/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
REWA	0	3000.00	1.000	.047	1.047	.19826E-03	3140.278	1081.02	2.90	2.90	.0300	1.00	.96	.18
REWA	10001000.0	3000.00	1.207	.065	1.272	.25236E-03	2655.844	851.41	3.12	3.12	.0300	1.00	1.13	.20
REWA	1500500.0	3000.00	1.336	.058	1.394	.23620E-03	2820.307	940.29	2.99	3.00	.0300	1.00	1.06	.20
REWA	2000500.0	3000.00	1.452	.071	1.524	.28222E-03	2539.417	826.41	3.06	3.07	.0300	1.00	1.18	.22
REWA	2500500.0	3000.00	1.608	.084	1.672	.31035E-03	2684.609	1019.38	2.63	2.63	.0300	1.00	1.12	.22
REWA	3000500.0	3000.00	1.753	.056	1.808	.23495E-03	2874.049	981.34	2.92	2.93	.0300	1.00	1.04	.19
REWA	3500500.0	3000.00	1.850	.041	1.891	.96955E-04	3344.643	737.12	4.52	4.54	.0300	1.00	.90	.13

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REWA	4000	500.0	3000.00	1.838	.134	1.972	.22683E-03	1852.177	316.01	5.80	5.86	.0300	1.00	1.62	.21
REWA	4500	500.0	3000.00	1.962	.178	2.140	.44330E-03	1607.216	364.18	4.34	4.41	.0300	1.00	1.87	.28
REWA	5000	500.0	3000.00	2.205	.146	2.351	.40413E-03	1771.089	433.76	4.02	4.08	.0300	1.00	1.69	.27
REWA	5500	500.0	3000.00	2.419	.067	2.486	.13505E-03	2619.647	510.00	5.08	5.14	.0300	1.00	1.15	.16
REWA	6000	500.0	3000.00	2.483	.077	2.559	.15623E-03	2449.306	482.60	5.04	5.08	.0300	1.00	1.22	.17
REWA	6500	500.0	3000.00	2.534	.115	2.649	.20417E-03	1997.632	353.24	5.60	5.66	.0300	1.00	1.50	.20
REWA	7000	500.0	3000.00	2.644	.089	2.733	.13188E-03	2272.915	349.72	6.40	6.50	.0300	1.00	1.32	.17
REWA	7500	500.0	3000.00	2.721	.075	2.796	.11757E-03	2475.384	398.13	6.14	6.22	.0300	1.00	1.21	.16
REWA	8000	500.0	3000.00	2.800	.051	2.850	.10218E-03	3011.876	587.57	5.08	5.13	.0300	1.00	1.00	.14
REWA	8500	500.0	3000.00	2.857	.045	2.902	.10366E-03	3181.759	681.37	4.63	4.67	.0300	1.00	.94	.14
REWA	9000	500.0	3000.00	2.917	.030	2.947	.76207E-04	3909.927	908.42	4.28	4.30	.0300	1.00	.77	.12
REWA	9500	500.0	3000.00	2.948	.040	2.989	.90668E-04	3369.080	710.43	4.70	4.74	.0300	1.00	.89	.13
REWA	10000	500.0	3000.00	2.999	.040	3.039	.11247E-03	3390.643	852.66	3.96	3.98	.0300	1.00	.88	.14
REWA	10500	500.0	3000.00	3.033	.064	3.097	.11718E-03	2685.808	491.30	5.45	5.47	.0300	1.00	1.12	.15
REWA	11000	500.0	3000.00	3.073	.088	3.161	.13356E-03	2290.033	373.01	6.10	6.14	.0300	1.00	1.31	.17
REWA	11500	500.0	3000.00	3.124	.108	3.232	.14617E-03	2058.380	295.78	6.88	6.96	.0300	1.00	1.46	.18
REWA	12000	500.0	3000.00	3.223	.077	3.301	.12828E-03	2436.188	411.85	5.89	5.92	.0300	1.00	1.23	.16
REWA	12500	500.0	3000.00	3.292	.069	3.361	.11470E-03	2571.262	431.03	5.91	5.97	.0300	1.00	1.17	.15
REWA	13000	500.0	3000.00	3.355	.052	3.406	.65404E-04	2977.814	405.38	7.22	7.35	.0300	1.00	1.01	.12
REWA	13500	500.0	3000.00	3.362	.095	3.453	.14091E-03	2183.399	332.11	6.47	6.57	.0300	1.00	1.37	.17
REWA	14000	500.0	3000.00	3.453	.067	3.520	.10766E-03	2608.594	424.97	6.06	6.14	.0300	1.00	1.15	.15
REWA	14500	500.0	3000.00	3.505	.073	3.577	.12208E-03	2513.900	427.24	5.83	5.88	.0300	1.00	1.19	.16
REWA	15000	500.0	3000.00	3.553	.098	3.651	.17234E-03	2165.849	379.80	5.63	5.70	.0300	1.00	1.39	.19
REWA	15500	500.0	3000.00	3.643	.086	3.728	.13704E-03	2313.537	378.41	6.06	6.11	.0300	1.00	1.30	.17
REWA	16000	500.0	3000.00	3.702	.101	3.804	.16485E-03	2127.899	341.33	5.50	5.60	.0300	1.00	1.57	.21
REWA	16500	500.0	3000.00	3.776	.126	3.902	.22830E-03	1911.478	341.33	5.50	5.60	.0300	1.00	1.17	.15
REWA	17000	500.0	3000.00	3.918	.070	3.988	.11310E-03	2567.599	424.47	5.98	6.05	.0300	1.00	1.82	.21
REWA	17500	500.0	3000.00	3.901	.169	4.070	.21501E-03	1650.018	225.73	7.17	7.31	.0300	1.00	1.81	.23
REWA	18000	500.0	3000.00	4.022	.166	4.188	.25883E-03	1660.828	264.03	6.18	6.29	.0300	1.00	1.48	.19
REWA	18500	500.0	3000.00	4.183	.111	4.294	.16336E-03	2033.834	315.97	6.38	6.44	.0300	1.00	1.38	.18
REWA	19000	500.0	2802.00	4.279	.097	4.377	.16637E-03	2026.930	347.57	5.77	5.83	.0300	1.00	1.29	.19
REWA	19500	500.0	2802.00	4.382	.085	4.467	.19231E-03	2170.364	460.84	4.67	4.71	.0300	1.00	1.44	.20
REWA	20000	500.0	2802.00	4.461	.106	4.567	.20802E-03	1946.960	370.37	5.18	5.26	.0300	1.00	1.50	.22
REWA	20500	500.0	2802.00	4.552	.115	4.667	.19447E-03	1866.171	318.91	5.81	5.85	.0300	1.00	1.61	.22
REWA	21000	500.0	2802.00	4.644	.132	4.776	.24114E-03	1741.313	312.42	5.48	5.57	.0300	1.00	1.40	.18
REWA	21500	500.0	2802.00	4.776	.100	4.875	.15530E-03	2005.252	320.36	6.17	6.26	.0300	1.00	1.38	.18
REWA	22000	500.0	2802.00	4.854	.098	4.952	.15021E-03	2024.299	321.28	6.24	6.30	.0300	1.00	1.53	.18
REWA	22500	500.0	2802.00	4.907	.119	5.026	.14623E-03	1837.315	242.08	7.36	7.59	.0300	1.00	1.03	.10
REWA	23000	500.0	2802.00	5.020	.054	5.074	.45168E-04	2730.322	264.99	9.90	10.30	.0300	1.00	1.49	.18
REWA	23500	500.0	2802.00	5.008	.114	5.122	.14665E-03	1876.079	259.53	7.12	7.23	.0300	1.00	1.97	.23
REWA	24000	500.0	2802.00	5.021	.198	5.219	.24138E-03	1423.533	187.76	7.40	7.58	.0300	1.00	1.99	.24
REWA	24500	500.0	2802.00	5.147	.201	5.343	.27691E-03	1410.605	204.02	6.78	6.91	.0300	1.00	1.41	.18
REWA	25000	500.0	2802.00	5.353	.101	5.454	.14606E-03	1987.445	301.34	6.55	6.60	.0300	1.00	1.77	.22
REWA	25500	500.0	2802.00	5.393	.159	5.552	.24370E-03	1587.530	251.70	6.25	6.31	.0300	1.00	1.90	.24
REWA	26000	500.0	2802.00	5.497	.184	5.680	.27141E-03	1475.916	224.65	6.43	6.57	.0300	1.00	1.45	.18
REWA	26500	500.0	2802.00	5.681	.107	5.788	.15740E-03	1935.482	298.13	6.44	6.49	.0300	1.00	1.84	.22
REWA	27000	500.0	2802.00	5.715	.172	5.887	.24035E-03	1524.309	221.60	6.71	6.88	.0300	1.00	1.34	.22
REWA	27500	500.0	2802.00	5.872	.109	5.981	.13455E-03	1919.999	255.81	7.33	7.51	.0300	1.00	1.46	.17
REWA	28000	500.0	2802.00	5.941	.115	6.056	.16625E-03	1867.891	282.74	6.52	6.61	.0300	1.00	1.50	.19
REWA	28500	500.0	2802.00	6.022	.110	6.133	.14015E-03	1905.145	258.85	7.20	7.36	.0300	1.00	1.47	.17
REWA	29000	500.0	2802.00	6.089	.118	6.207	.15894E-03	1841.888	262.90	6.89	7.01	.0300	1.00	1.52	.18

REWA	29500	500.0	2802.00	6.139	.157	6.296	.19424E-03	1597.502	209.37	7.34	7.63	.0300	1.00	1.75	.20
REWA	30000	500.0	2802.00	6.270	.121	6.391	.18542E-03	1822.454	289.06	6.23	6.30	.0300	1.00	1.54	.20
REWA	30500	500.0	2802.00	6.356	.122	6.477	.16202E-03	1814.299	257.41	6.94	7.05	.0300	1.00	1.54	.19
REWA	31000	500.0	2802.00	6.421	.134	6.555	.14845E-03	1727.345	212.26	7.98	8.14	.0300	1.00	1.62	.18
REWA	31500	500.0	2802.00	6.528	.083	6.612	.78508E-04	2192.818	235.52	9.00	9.31	.0300	1.00	1.28	.13
REWA	32000	500.0	2802.00	6.543	.127	6.669	.15179E-03	1778.629	231.22	7.51	7.69	.0300	1.00	1.58	.18
REWA	32500	500.0	2802.00	6.603	.141	6.744	.14630E-03	1686.471	194.86	8.37	8.65	.0300	1.00	1.66	.18
REWA	33000	500.0	2802.00	6.655	.177	6.832	.20598E-03	1504.330	191.42	7.68	7.86	.0300	1.00	1.86	.21
REWA	33500	500.0	2802.00	6.688	.279	6.967	.33590E-03	1197.232	154.97	7.50	7.73	.0300	1.00	2.34	.27
REWA	34000	500.0	2802.00	6.951	.141	7.092	.16366E-03	1685.620	214.88	7.70	7.84	.0300	1.00	1.66	.19
REWA	34500	500.0	2802.00	6.943	.274	7.217	.35539E-03	1210.010	158.99	7.39	7.61	.0300	1.00	2.32	.27
REWA	35000	500.0	2802.00	7.220	.117	7.337	.14514E-03	1847.609	247.41	7.34	7.47	.0300	1.00	1.52	.16
REWA	35500	500.0	2802.00	7.130	.375	7.505	.52440E-03	1033.673	146.91	6.69	7.04	.0300	1.00	2.71	.33
REWA	36000	500.0	2802.00	7.557	.110	7.667	.12425E-03	1907.189	236.10	7.86	8.08	.0300	1.00	1.47	.17
REWA	36500	500.0	2802.00	7.478	.330	7.808	.44189E-03	1102.004	155.35	6.91	7.09	.0300	1.00	2.54	.30
REWA	37000	500.0	2802.00	7.769	.183	7.972	.21396E-03	1478.739	187.48	7.66	7.89	.0300	1.00	1.89	.22
REWA	37500	500.0	2802.00	7.924	.144	8.068	.17117E-03	1666.290	215.76	7.57	7.72	.0300	1.00	1.68	.19
REWA	38000	500.0	2802.00	8.024	.119	8.143	.12840E-03	1831.840	217.71	8.15	8.41	.0300	1.00	1.53	.17
REWA	38500	500.0	2802.00	8.064	.149	8.213	.15041E-03	1637.638	187.03	8.56	8.76	.0300	1.00	1.71	.18
REWA	39000	500.0	2802.00	8.114	.182	8.296	.18147E-03	1484.589	167.20	8.62	8.88	.0300	1.00	1.89	.20
REWA	39500	500.0	2802.00	8.234	.140	8.374	.13218E-03	1688.610	181.65	9.01	9.30	.0300	1.00	1.66	.17
REWA	40000	500.0	2802.00	8.209	.287	8.496	.35313E-03	1181.104	156.17	7.37	7.56	.0300	1.00	2.37	.28
REWA	40500	500.0	2802.00	8.493	.125	8.618	.13698E-03	1789.880	218.52	8.04	8.19	.0300	1.00	1.57	.17
REWA	41000	500.0	2802.00	8.563	.124	8.687	.13787E-03	1799.887	223.09	7.93	8.07	.0300	1.00	1.56	.18
REWA	41500	500.0	2802.00	8.616	.148	8.759	.15005E-03	1675.086	196.02	8.29	8.55	.0300	1.00	1.67	.18
REWA	42000	500.0	2802.00	8.677	.161	8.838	.16716E-03	1577.562	183.85	8.37	8.58	.0300	1.00	1.78	.19
REWA	42500	500.0	2802.00	8.771	.148	8.919	.15514E-03	1645.760	193.78	8.30	8.49	.0300	1.00	1.70	.19
REWA	43000	500.0	2802.00	8.854	.139	8.994	.14411E-03	1695.685	197.67	8.39	8.58	.0300	1.00	1.65	.18
REWA	43500	500.0	2802.00	8.932	.132	9.064	.13665E-03	1741.774	203.88	8.39	8.54	.0300	1.00	1.61	.16
REWA	44000	500.0	2802.00	9.008	.124	9.131	.13303E-03	1800.005	216.22	8.15	8.32	.0300	1.00	1.56	.17
REWA	44500	500.0	2802.00	9.076	.120	9.196	.12465E-03	1829.462	214.84	8.35	8.52	.0300	1.00	1.53	.17
REWA	45000	500.0	2802.00	9.089	.178	9.267	.16022E-03	1501.278	155.62	9.30	9.65	.0300	1.00	1.87	.19
REWA	45500	500.0	2802.00	9.199	.147	9.347	.15938E-03	1648.377	196.50	8.12	8.39	.0300	1.00	1.70	.19
REWA	46000	500.0	2802.00	9.261	.167	9.429	.16764E-03	1546.768	175.28	8.60	8.82	.0300	1.00	1.81	.19
REWA	46500	500.0	2802.00	9.349	.159	9.508	.14927E-03	1588.452	169.75	9.01	9.36	.0300	1.00	1.76	.18
REWA	47000	500.0	2802.00	9.435	.150	9.585	.15997E-03	1633.242	195.16	8.21	8.37	.0300	1.00	1.72	.19
REWA	47500	500.0	2802.00	9.479	.192	9.671	.18157E-03	1445.301	156.58	8.97	9.23	.0300	1.00	1.94	.20
REWA	48000	500.0	2280.00	9.580	.192	9.772	.22425E-03	1175.842	150.19	7.66	7.83	.0300	1.00	1.94	.22
REWA	48500	500.0	2280.00	9.736	.125	9.861	.13083E-03	1456.718	170.28	8.32	8.55	.0300	1.00	1.57	.17
REWA	49000	500.0	2280.00	9.805	.121	9.926	.13010E-03	1479.478	176.53	8.16	8.38	.0300	1.00	1.54	.17
REWA	49500	500.0	2280.00	9.863	.133	9.995	.14763E-03	1412.833	173.33	7.95	8.15	.0300	1.00	1.61	.18
REWA	50000	500.0	2280.00	9.930	.142	10.072	.15997E-03	1366.961	168.50	7.97	8.11	.0300	1.00	1.67	.19

\*\*\* 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 :  $FR = V/SORT(9.8*(A/B)/ALPHA)$

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

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
REWA	0	5000.00	1.000	.129	1.129	.55071E-03	3140.278	1031.02	2.90	2.90	.0300	1.00	1.59	.30
REWA	10001000.0	5000.00	1.512	.150	1.632	.51473E-03	2916.067	852.68	3.41	3.42	.0300	1.00	1.71	.30
REWA	1500 500.0	5000.00	1.774	.122	1.896	.41968E-03	3233.057	945.38	3.41	3.42	.0300	1.00	1.55	.27
REWA	2000 500.0	5000.00	1.983	.142	2.126	.50108E-03	2993.104	889.93	3.35	3.36	.0300	1.00	1.67	.29
REWA	2500 500.0	5000.00	2.241	.115	2.356	.42102E-03	3330.203	1019.38	3.25	3.27	.0300	1.00	1.50	.27
REWA	3000 500.0	5000.00	2.442	.101	2.543	.32549E-03	3553.586	989.35	3.58	3.59	.0300	1.00	1.41	.24
REWA	3500 500.0	5000.00	2.531	.085	2.665	.16414E-03	3883.346	737.12	5.23	5.27	.0300	1.00	1.29	.18

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REWA	4000	500.0	5000.00	2.518	.299	2.816	43957E-03	2066.948	316.01	6.44	6.54	.0300	1.00	2.42	.30
REWA	4500	500.0	5000.00	2.750	.356	3.105	71557E-03	1894.128	364.18	5.09	5.20	.0300	1.00	2.64	.37
REWA	5000	500.0	5000.00	3.157	.267	3.424	56116E-03	2183.978	433.76	4.94	5.03	.0300	1.00	2.29	.33
REWA	5500	500.0	5000.00	3.487	.127	3.615	20078E-03	3164.394	510.00	6.12	6.20	.0300	1.00	1.53	.20
REWA	6000	500.0	5000.00	3.576	.144	3.722	22746E-03	2978.008	482.60	6.10	6.17	.0300	1.00	1.68	.22
REWA	6500	500.0	5000.00	3.634	.224	3.858	31624E-03	2386.068	353.24	6.65	6.75	.0300	1.00	2.10	.26
REWA	7000	500.0	5000.00	3.813	.177	3.990	21299E-03	2681.526	349.72	7.50	7.67	.0300	1.00	1.86	.22
REWA	7500	500.0	5000.00	3.943	.145	4.089	18063E-03	2962.102	398.13	7.31	7.44	.0300	1.00	1.69	.20
REWA	8000	500.0	5000.00	4.078	.090	4.168	13594E-03	3762.597	587.57	6.32	6.40	.0300	1.00	1.33	.17
REWA	8500	500.0	5000.00	4.162	.076	4.238	14465E-03	4093.995	761.34	5.32	5.38	.0300	1.00	1.22	.17
REWA	9000	500.0	5000.00	4.247	.049	4.296	86608E-04	5118.151	908.42	5.59	5.63	.0300	1.00	.98	.13
REWA	9500	500.0	5000.00	4.279	.088	4.347	11789E-03	4344.053	756.70	5.67	5.74	.0300	1.00	1.15	.15
REWA	10000	500.0	5000.00	4.342	.062	4.406	11883E-03	4537.015	852.66	5.28	5.32	.0300	1.00	1.10	.15
REWA	10500	500.0	5000.00	4.362	.114	4.476	16112E-03	3244.831	500.28	6.64	6.69	.0300	1.00	1.49	.18
REWA	11000	500.0	5000.00	4.403	.164	4.567	20321E-03	2788.630	376.35	7.33	7.41	.0300	1.00	1.79	.21
REWA	11500	500.0	5000.00	4.464	.211	4.675	22969E-03	2457.717	298.37	8.08	8.24	.0300	1.00	1.65	.20
REWA	12000	500.0	5000.00	4.638	.139	4.777	17767E-03	3025.345	418.13	7.17	7.24	.0300	1.00	1.57	.18
REWA	12500	500.0	5000.00	4.735	.125	4.860	15600E-03	3193.467	431.03	7.29	7.41	.0300	1.00	1.40	.15
REWA	13000	500.0	5000.00	4.825	.100	4.924	98849E-04	3573.726	405.38	8.61	8.82	.0300	1.00	1.87	.21
REWA	13500	500.0	5000.00	4.821	.179	5.000	20293E-03	2668.067	332.11	7.84	8.03	.0300	1.00	1.54	.18
REWA	14000	500.0	5000.00	4.966	.121	5.087	14465E-03	3251.930	424.97	7.51	7.65	.0300	1.00	1.58	.19
REWA	14500	500.0	5000.00	5.036	.127	5.163	15837E-03	3167.945	427.24	7.30	7.41	.0300	1.00	1.82	.22
REWA	15000	500.0	5000.00	5.088	.169	5.257	21868E-03	2750.508	381.84	7.08	7.20	.0300	1.00	1.72	.20
REWA	15500	500.0	5000.00	5.206	.151	5.357	18023E-03	2906.095	379.24	7.54	7.66	.0300	1.00	1.86	.22
REWA	16000	500.0	5000.00	5.275	.177	5.456	21509E-03	2684.569	354.63	7.44	7.57	.0300	1.00	2.03	.24
REWA	16500	500.0	5000.00	5.370	.210	5.580	28307E-03	2462.783	350.89	6.89	7.02	.0300	1.00	1.53	.18
REWA	17000	500.0	5000.00	5.568	.119	5.687	14351E-03	3273.640	431.15	7.48	7.59	.0300	1.00	2.49	.27
REWA	17500	500.0	5000.00	5.487	.315	5.802	31796E-03	2010.873	229.10	8.56	8.78	.0300	1.00	2.38	.27
REWA	18000	500.0	5000.00	5.677	.289	5.966	33755E-03	2100.811	267.56	7.66	7.85	.0300	1.00	1.93	.22
REWA	18500	500.0	5000.00	5.913	.191	6.104	21274E-03	2586.308	322.70	7.93	8.01	.0300	1.00	1.76	.21
REWA	19000	500.0	4670.00	6.048	.159	6.206	19799E-03	2648.979	358.23	7.29	7.39	.0300	1.00	1.55	.20
REWA	19500	500.0	4670.00	6.180	.122	6.302	18639E-03	3017.645	475.90	6.27	6.34	.0300	1.00	1.78	.22
REWA	20000	500.0	4670.00	6.244	.162	6.406	22731E-03	2622.162	386.98	6.67	6.78	.0300	1.00	1.91	.22
REWA	20500	500.0	4670.00	6.335	.186	6.520	23140E-03	2447.537	331.97	7.30	7.37	.0300	1.00	2.02	.24
REWA	21000	500.0	4670.00	6.437	.209	6.646	27087E-03	2306.276	317.87	7.09	7.26	.0300	1.00	1.80	.20
REWA	21500	500.0	4670.00	6.595	.166	6.761	18757E-03	2591.564	322.54	7.84	8.03	.0300	1.00	1.79	.20
REWA	22000	500.0	4670.00	6.690	.163	6.853	18064E-03	2615.449	322.66	7.96	8.11	.0300	1.00	2.04	.22
REWA	22500	500.0	4670.00	6.736	.213	6.949	20396E-03	2286.412	248.66	8.89	9.19	.0300	1.00	2.04	.22
REWA	23000	500.0	4670.00	6.912	.106	7.018	73415E-04	3235.475	269.00	11.36	12.03	.0300	1.00	1.44	.13
REWA	23500	500.0	4670.00	6.889	.197	7.086	19804E-03	2375.616	272.22	8.58	8.73	.0300	1.00	1.97	.21
REWA	24000	500.0	4670.00	6.866	.354	7.220	33619E-03	1773.133	191.25	8.95	9.27	.0300	1.00	2.63	.28
REWA	24500	500.0	4670.00	7.049	.342	7.392	35265E-03	1802.522	207.38	8.42	8.69	.0300	1.00	2.59	.28
REWA	25000	500.0	4670.00	7.362	.163	7.525	17824E-03	2615.133	322.59	8.04	8.11	.0300	1.00	1.79	.20
REWA	25500	500.0	4670.00	7.393	.249	7.642	29145E-03	2112.114	272.95	7.66	7.74	.0300	1.00	2.21	.25
REWA	26000	500.0	4670.00	7.501	.296	7.797	32856E-03	1937.567	236.04	7.97	8.21	.0300	1.00	2.41	.27
REWA	26500	500.0	4670.00	7.756	.169	7.924	18113E-03	2568.316	311.61	8.16	8.24	.0300	1.00	1.82	.20
REWA	27000	500.0	4670.00	7.760	.283	8.043	29161E-03	1984.432	228.02	8.41	8.70	.0300	1.00	2.35	.25
REWA	27500	500.0	4670.00	7.973	.184	8.157	16776E-03	2458.504	256.31	9.23	9.59	.0300	1.00	1.90	.20
REWA	28000	500.0	4670.00	8.071	.177	8.248	19562E-03	2507.646	308.20	7.98	8.14	.0300	1.00	1.86	.20
REWA	28500	500.0	4670.00	8.156	.184	8.340	17052E-03	2460.840	260.79	9.10	9.44	.0300	1.00	1.90	.20
REWA	29000	500.0	4670.00	8.237	.192	8.429	18546E-03	2409.676	265.79	8.82	9.07	.0300	1.00	1.94	.21

REWA	29500	500.0	4670.00	8.271	266	8.536	.24453E-03	2047.133	212.40	9.16	9.64	.0300	1.00	2.28	.23
REWA	30000	500.0	4670.00	8.468	180	8.648	.20164E-03	2485.149	309.50	7.91	8.03	.0300	1.00	1.88	.21
REWA	30500	500.0	4670.00	8.552	194	8.747	.19323E-03	2393.962	270.91	8.64	8.84	.0300	1.00	1.95	.21
REWA	31000	500.0	4670.00	8.617	228	8.845	.20076E-03	2209.010	227.98	9.47	9.69	.0300	1.00	2.11	.22
REWA	31500	500.0	4670.00	8.773	150	8.923	.10917E-03	2724.589	238.39	10.92	11.43	.0300	1.00	1.71	.16
REWA	32000	500.0	4670.00	8.787	210	8.996	.18565E-03	2303.659	235.67	9.43	9.77	.0300	1.00	2.03	.21
REWA	32500	500.0	4670.00	8.846	246	9.091	.19519E-03	2127.860	198.06	10.23	10.74	.0300	1.00	2.19	.21
REWA	33000	500.0	4670.00	8.913	293	9.206	.26125E-03	1948.695	201.91	8.95	9.65	.0300	1.00	2.40	.25
REWA	33500	500.0	4670.00	8.923	456	9.379	.43250E-03	1562.203	168.90	8.95	9.25	.0300	1.00	2.99	.31
REWA	34000	500.0	4670.00	9.311	227	9.538	.20465E-03	2214.944	233.48	9.30	9.49	.0300	1.00	2.11	.22
REWA	34500	500.0	4670.00	9.246	445	9.690	.40327E-03	1581.980	162.84	9.26	9.71	.0300	1.00	2.95	.30
REWA	35000	500.0	4670.00	9.665	172	9.837	.18302E-03	2544.874	303.91	8.21	8.37	.0300	1.00	1.84	.20
REWA	35500	500.0	4670.00	9.454	580	10.034	.60448E-03	1385.623	155.97	8.34	8.88	.0300	1.00	3.37	.36
REWA	36000	500.0	4670.00	10.043	178	10.221	.14518E-03	2497.227	238.57	10.05	10.47	.0300	1.00	1.87	.18
REWA	36500	500.0	4670.00	9.869	510	10.379	.48624E-03	1477.192	158.12	8.92	9.34	.0300	1.00	3.16	.33
REWA	37000	500.0	4670.00	10.269	293	10.563	.24811E-03	1947.829	190.78	9.76	10.21	.0300	1.00	2.40	.24
REWA	37500	500.0	4670.00	10.446	227	10.673	.19182E-03	2214.706	219.24	9.76	10.10	.0300	1.00	2.11	.21
REWA	38000	500.0	4670.00	10.565	195	10.759	.15441E-03	2391.366	223.42	10.24	10.70	.0300	1.00	1.95	.19
REWA	38500	500.0	4670.00	10.597	247	10.845	.18302E-03	2121.215	193.95	10.57	10.94	.0300	1.00	2.20	.21
REWA	39000	500.0	4670.00	10.648	303	10.950	.23451E-03	1917.777	177.46	10.42	10.81	.0300	1.00	2.44	.24
REWA	39500	500.0	4670.00	10.813	238	11.051	.16879E-03	2163.127	184.89	11.13	11.70	.0300	1.00	2.16	.20
REWA	40000	500.0	4670.00	10.773	425	11.197	.41617E-03	1618.675	180.28	8.74	8.98	.0300	1.00	2.89	.31
REWA	40500	500.0	4670.00	11.143	197	11.340	.15556E-03	2376.189	223.84	10.28	10.62	.0300	1.00	1.97	.19
REWA	41000	500.0	4670.00	11.230	190	11.420	.16414E-03	2420.597	247.09	9.60	9.80	.0300	1.00	1.93	.20
REWA	41500	500.0	4670.00	11.279	227	11.507	.18084E-03	2212.428	207.54	10.22	10.66	.0300	1.00	2.11	.21
REWA	42000	500.0	4670.00	11.345	257	11.602	.1927E-03	2082.705	193.81	10.40	10.75	.0300	1.00	2.24	.22
REWA	42500	500.0	4670.00	11.467	231	11.698	.18523E-03	2195.802	209.27	10.15	10.49	.0300	1.00	2.13	.21
REWA	43000	500.0	4670.00	11.568	219	11.787	.17024E-03	2256.489	210.31	10.38	10.73	.0300	1.00	2.07	.20
REWA	43500	500.0	4670.00	11.660	209	11.869	.15832E-03	2309.227	211.34	10.59	10.93	.0300	1.00	2.02	.20
REWA	44000	500.0	4670.00	11.757	190	11.946	.15289E-03	2421.402	233.58	10.12	10.37	.0300	1.00	1.93	.19
REWA	44500	500.0	4670.00	11.837	185	12.022	.14891E-03	2453.615	237.42	10.12	10.33	.0300	1.00	1.90	.19
REWA	45000	500.0	4670.00	11.816	295	12.112	.20962E-03	1940.730	167.22	11.13	11.61	.0300	1.00	2.41	.23
REWA	45500	500.0	4670.00	11.981	228	12.209	.18189E-03	2209.138	206.80	10.20	10.68	.0300	1.00	2.11	.21
REWA	46000	500.0	4670.00	12.040	265	12.304	.19817E-03	2050.063	184.05	10.70	11.14	.0300	1.00	2.28	.22
REWA	46500	500.0	4670.00	12.139	260	12.400	.18230E-03	2067.826	173.84	11.24	11.89	.0300	1.00	2.26	.21
REWA	47000	500.0	4670.00	12.262	228	12.491	.18175E-03	2208.185	211.53	10.21	10.44	.0300	1.00	2.11	.21
REWA	47500	500.0	4670.00	12.289	305	12.594	.23078E-03	1910.615	174.55	10.60	10.95	.0300	1.00	2.44	.24
REWA	48000	500.0	3800.00	12.437	276	12.713	.24561E-03	1634.504	169.75	9.39	9.63	.0300	1.00	2.32	.24
REWA	48500	500.0	3800.00	12.618	192	12.811	.14549E-03	1957.455	176.16	10.61	11.11	.0300	1.00	1.94	.19
REWA	49000	500.0	3800.00	12.704	180	12.884	.14863E-03	2021.120	197.29	9.95	10.24	.0300	1.00	1.88	.19
REWA	49500	500.0	3800.00	12.765	196	12.961	.16016E-03	1938.101	187.95	10.02	10.31	.0300	1.00	1.96	.20
REWA	50000	500.0	3800.00	12.850	200	13.051	.19734E-03	1916.952	214.41	8.71	8.94	.0300	1.00	1.98	.21

\*\*\* 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 :  $IE = (N*Q)/(A*R^{2/3})^{2/3}$   
 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 :  $FR = V/SORT(9.8*(A/B)/ALPHA)$

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"Non-Uniform Flow, 10000m3/s, REWA"

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
REWA	0	0	10000.00	1.000	.517	1.517	.22028E+02	3140.278	1081.02	2.90	.0300	1.00	3.18	.60
REWA	10001000.0	10000.00	2.674	.334	3.008	.77934E+03	3907.008	852.68	4.56	4.58	.0300	1.00	2.56	.38
REWA	1500 500.0	10000.00	3.101	.251	3.352	.59291E+03	4508.894	992.11	4.52	4.54	.0300	1.00	2.22	.33
REWA	2000 500.0	10000.00	3.393	.270	3.663	.65276E+03	4343.902	971.12	4.44	4.47	.0300	1.00	2.30	.35
REWA	2500 500.0	10000.00	3.730	.217	3.947	.48362E+03	4847.587	1019.38	4.72	4.76	.0300	1.00	2.06	.30
REWA	3000 500.0	10000.00	3.969	.199	4.168	.40132E+03	5066.216	990.32	5.08	5.12	.0300	1.00	1.97	.28
REWA	3500 500.0	10000.00	4.137	.202	4.338	.27829E+03	5030.065	737.12	6.76	6.82	.0300	1.00	1.99	.24

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REWA	4000	500.0	10000.00	3.819	831	4.650	96974E-03	2478.292	316.01	7.66	7.84	0.0300	1.00	4.04	.46
REWA	4500	500.0	10000.00	4.356	830	5.186	11743E-02	2479.168	364.18	6.64	6.81	0.0300	1.00	4.03	.49
REWA	5000	500.0	10000.00	5.114	555	5.669	75594E-03	3032.924	433.76	6.82	6.99	0.0300	1.00	3.30	.40
REWA	5500	500.0	10000.00	5.652	280	6.092	29787E-03	4268.406	510.00	8.22	8.37	0.0300	1.00	2.34	.26
REWA	6000	500.0	10000.00	5.777	313	6.090	33139E-03	4039.127	482.60	8.24	8.37	0.0300	1.00	2.48	.27
REWA	6500	500.0	10000.00	5.784	516	6.300	51070E-03	3145.783	353.24	8.67	8.91	0.0300	1.00	3.18	.34
REWA	7000	500.0	10000.00	6.097	421	6.518	36207E-03	3480.400	399.72	9.64	9.95	0.0300	1.00	2.87	.29
REWA	7500	500.0	10000.00	6.348	332	6.680	28623E-03	3919.640	398.13	9.62	9.85	0.0300	1.00	2.55	.26
REWA	8000	500.0	10000.00	6.612	185	6.797	18033E-03	5251.726	587.57	8.77	8.94	0.0300	1.00	1.90	.20
REWA	8500	500.0	10000.00	6.752	132	6.884	16637E-03	6220.591	846.51	7.23	7.35	0.0300	1.00	1.61	.19
REWA	9000	500.0	10000.00	6.859	91	6.950	97865E-04	7490.802	908.42	8.15	8.25	0.0300	1.00	1.33	.15
REWA	9500	500.0	10000.00	6.880	128	7.008	13687E-03	6312.351	756.70	8.19	8.34	0.0300	1.00	1.58	.18
REWA	10000	500.0	10000.00	6.963	111	7.074	12590E-03	6769.947	852.66	7.85	7.94	0.0300	1.00	1.48	.17
REWA	10500	500.0	10000.00	6.923	238	7.161	22166E-03	4625.851	500.28	9.09	9.25	0.0300	1.00	2.16	.23
REWA	11000	500.0	10000.00	6.929	365	7.294	31113E-03	3739.399	376.35	9.70	9.94	0.0300	1.00	2.67	.27
REWA	11500	500.0	10000.00	6.972	496	7.469	38678E-03	3206.087	298.37	10.38	10.75	0.0300	1.00	3.12	.30
REWA	12000	500.0	10000.00	7.332	296	7.628	25149E-03	4152.009	418.13	9.73	9.93	0.0300	1.00	2.41	.24
REWA	12500	500.0	10000.00	7.480	266	7.746	22043E-03	4376.360	431.03	9.92	10.15	0.0300	1.00	2.29	.23
REWA	13000	500.0	10000.00	7.611	231	7.842	16248E-03	4703.399	405.38	11.19	11.60	0.0300	1.00	2.13	.20
REWA	13500	500.0	10000.00	7.561	398	7.960	30962E-03	3578.212	332.11	10.40	10.77	0.0300	1.00	2.79	.27
REWA	14000	500.0	10000.00	7.833	255	8.088	20233E-03	4469.957	424.97	10.25	10.52	0.0300	1.00	2.24	.22
REWA	14500	500.0	10000.00	7.929	263	8.192	21390E-03	4404.037	427.24	10.05	10.31	0.0300	1.00	2.27	.23
REWA	15000	500.0	10000.00	7.974	344	8.318	28993E-03	3853.953	382.39	9.77	10.08	0.0300	1.00	2.59	.26
REWA	15500	500.0	10000.00	8.137	316	8.453	24965E-03	4017.649	379.24	10.27	10.59	0.0300	1.00	2.49	.24
REWA	16000	500.0	10000.00	8.222	367	8.589	29414E-03	3728.372	354.66	10.16	10.51	0.0300	1.00	2.68	.26
REWA	16500	500.0	10000.00	8.343	409	8.752	36068E-03	3531.521	364.70	9.46	9.68	0.0300	1.00	2.83	.29
REWA	17000	500.0	10000.00	8.649	240	8.890	18801E-03	4608.364	433.33	10.34	10.63	0.0300	1.00	2.17	.21
REWA	17500	500.0	10000.00	8.349	715	9.065	51272E-03	2670.525	230.67	11.05	11.58	0.0300	1.00	3.74	.35
REWA	18000	500.0	10000.00	8.712	598	9.310	46876E-03	2920.511	270.44	10.33	10.80	0.0300	1.00	3.42	.33
REWA	18500	500.0	10000.00	9.111	387	9.499	28516E-03	3630.219	327.20	10.83	11.09	0.0300	1.00	2.75	.26
REWA	19000	500.0	10000.00	9.327	303	9.630	23873E-03	3832.972	361.31	10.29	10.61	0.0300	1.00	2.44	.24
REWA	19500	500.0	9340.00	9.528	208	9.736	18616E-03	4629.746	484.61	9.34	9.55	0.0300	1.00	2.02	.21
REWA	20000	500.0	9340.00	9.555	289	9.844	24718E-03	3924.028	394.00	9.68	9.96	0.0300	1.00	2.38	.24
REWA	20500	500.0	9340.00	9.620	355	9.975	27772E-03	3539.854	332.49	10.35	10.65	0.0300	1.00	2.64	.26
REWA	21000	500.0	9340.00	9.730	395	10.125	31956E-03	3357.686	319.40	10.09	10.51	0.0300	1.00	2.78	.27
REWA	21500	500.0	9340.00	9.934	331	10.265	24045E-03	3668.538	322.94	10.93	11.37	0.0300	1.00	2.52	.24
REWA	22000	500.0	9340.00	10.058	325	10.383	23301E-03	3702.958	322.86	11.04	11.47	0.0300	1.00	2.99	.27
REWA	22500	500.0	9340.00	10.059	458	10.517	30156E-03	3118.901	250.90	11.77	12.43	0.0300	1.00	2.99	.27
REWA	23000	500.0	9340.00	10.370	255	10.625	13131E-03	4177.269	273.20	14.16	15.29	0.0300	1.00	2.24	.18
REWA	23500	500.0	9340.00	10.322	404	10.726	27139E-03	3320.110	275.40	11.60	12.06	0.0300	1.00	2.81	.26
REWA	24000	500.0	9340.00	10.150	772	10.921	51108E-03	2401.866	191.46	11.72	12.55	0.0300	1.00	3.89	.35
REWA	24500	500.0	9340.00	10.465	706	11.171	48716E-03	2510.813	207.38	11.37	12.11	0.0300	1.00	3.72	.34
REWA	25000	500.0	9340.00	11.044	302	11.346	21261E-03	3838.323	334.37	11.20	11.48	0.0300	1.00	2.43	.23
REWA	25500	500.0	9340.00	11.030	453	11.483	33597E-03	3135.502	282.98	10.77	11.08	0.0300	1.00	2.98	.29
REWA	26000	500.0	9340.00	11.103	566	11.669	40784E-03	2804.913	241.50	11.01	11.61	0.0300	1.00	3.33	.31
REWA	26500	500.0	9340.00	11.507	318	11.824	21418E-03	3743.041	313.27	11.57	11.95	0.0300	1.00	2.50	.23
REWA	27000	500.0	9340.00	11.411	561	11.972	27353E-03	2817.019	228.02	11.53	12.35	0.0300	1.00	3.32	.30
REWA	27500	500.0	9340.00	11.744	379	12.124	22886E-03	3425.084	256.31	12.58	13.36	0.0300	1.00	2.73	.24
REWA	28000	500.0	9340.00	11.911	326	12.237	22257E-03	3697.349	310.05	11.45	11.93	0.0300	1.00	2.53	.23
REWA	28500	500.0	9340.00	11.977	372	12.349	22690E-03	3457.226	260.79	12.48	13.26	0.0300	1.00	2.70	.24
REWA	29000	500.0	9340.00	12.087	378	12.465	23650E-03	3433.279	265.86	12.23	12.91	0.0300	1.00	2.72	.24



REWA	29500	500.0	9340.00	12.063	.545	12.609	.33793E-03	2857.236	213.78	12.32	13.37	.0300	1.00	3.27	.29
REWA	30000	500.0	9340.00	12.424	.323	12.748	.21872E-03	3709.723	309.50	11.54	11.99	.0300	1.00	2.52	.23
REWA	30500	500.0	9340.00	12.490	.371	12.861	.23474E-03	3461.536	271.15	12.14	12.77	.0300	1.00	2.70	.24
REWA	31000	500.0	9340.00	12.525	.463	12.988	.27123E-03	3101.659	228.43	12.85	13.58	.0300	1.00	3.01	.26
REWA	31500	500.0	9340.00	12.759	.328	13.097	.16750E-03	3684.606	240.75	14.24	15.30	.0300	1.00	2.53	.21
REWA	32000	500.0	9340.00	12.778	.423	13.201	.24722E-03	3244.334	235.67	12.87	13.77	.0300	1.00	2.88	.25
REWA	32500	500.0	9340.00	12.810	.524	13.335	.28787E-03	2913.070	198.06	13.50	14.71	.0300	1.00	3.21	.27
REWA	33000	500.0	9340.00	12.916	.578	13.493	.34731E-03	2775.760	207.74	12.61	13.36	.0300	1.00	3.36	.29
REWA	33500	500.0	9340.00	12.863	.861	13.724	.57419E-03	2273.752	184.11	11.66	12.35	.0300	1.00	4.11	.37
REWA	34000	500.0	9340.00	13.516	.416	13.933	.26082E-03	3269.295	257.21	12.23	12.71	.0300	1.00	2.86	.26
REWA	34500	500.0	9340.00	13.241	.893	14.134	.54374E-03	2232.546	162.84	12.49	13.71	.0300	1.00	4.18	.36
REWA	35000	500.0	9340.00	14.022	.295	14.317	.18802E-03	3385.149	308.89	12.06	12.58	.0300	1.00	2.40	.22
REWA	35500	500.0	9340.00	13.451	1.099	14.550	.74494E-03	2012.608	156.90	11.52	12.83	.0300	1.00	4.64	.41
REWA	36000	500.0	9340.00	14.430	.353	14.783	.18897E-03	3550.231	240.37	13.76	14.77	.0300	1.00	2.63	.22
REWA	36500	500.0	9340.00	14.003	.980	14.983	.60923E-03	2130.800	158.12	12.30	13.48	.0300	1.00	4.38	.38
REWA	37000	500.0	9340.00	14.641	.575	15.215	.31977E-03	2782.960	191.06	13.36	14.57	.0300	1.00	3.36	.28
REWA	37500	500.0	9340.00	14.920	.434	15.355	.23760E-03	3200.686	220.47	13.54	14.52	.0300	1.00	2.92	.24
REWA	38000	500.0	9340.00	15.083	.381	15.464	.20100E-03	3415.085	227.37	13.92	15.02	.0300	1.00	2.73	.23
REWA	38500	500.0	9340.00	15.084	.494	15.578	.25338E-03	3002.549	196.84	14.20	15.25	.0300	1.00	3.11	.25
REWA	39000	500.0	9340.00	15.142	.580	15.721	.32089E-03	2770.712	196.10	13.41	14.13	.0300	1.00	3.37	.29
REWA	39500	500.0	9340.00	15.369	.493	15.861	.23918E-03	3005.341	184.89	14.80	16.25	.0300	1.00	3.11	.25
REWA	40000	500.0	9340.00	15.309	.727	16.035	.46595E-03	2475.045	193.86	12.21	12.77	.0300	1.00	3.77	.34
REWA	40500	500.0	9340.00	15.818	.380	16.198	.19385E-03	3423.690	224.09	14.25	15.28	.0300	1.00	2.73	.22
REWA	41000	500.0	9340.00	15.952	.340	16.293	.22758E-03	3202.622	211.92	13.51	14.12	.0300	1.00	2.58	.22
REWA	41500	500.0	9340.00	15.962	.434	16.396	.18662E-03	3616.715	256.21	13.97	15.11	.0300	1.00	2.92	.24
REWA	42000	500.0	9340.00	16.025	.492	16.517	.25437E-03	3009.153	199.69	14.11	15.07	.0300	1.00	3.10	.26
REWA	42500	500.0	9340.00	16.198	.438	16.637	.22598E-03	3185.946	209.27	14.15	15.22	.0300	1.00	2.93	.24
REWA	43000	500.0	9340.00	16.327	.419	16.746	.21121E-03	3257.273	210.31	14.40	15.49	.0300	1.00	2.87	.23
REWA	43500	500.0	9340.00	16.451	.398	16.849	.20021E-03	3345.250	216.74	14.40	15.43	.0300	1.00	2.79	.23
REWA	44000	500.0	9340.00	16.598	.346	16.944	.17990E-03	3584.602	242.52	14.07	14.78	.0300	1.00	2.61	.22
REWA	44500	500.0	9340.00	16.697	.336	17.032	.17401E-03	3639.869	245.54	14.10	14.82	.0300	1.00	2.57	.21
REWA	45000	500.0	9340.00	16.573	.575	17.148	.28915E-03	2781.241	178.44	14.42	15.59	.0300	1.00	3.36	.27
REWA	45500	500.0	9340.00	16.845	.430	17.276	.22052E-03	3215.394	206.89	14.22	15.54	.0300	1.00	2.90	.24
REWA	46000	500.0	9340.00	16.886	.508	17.394	.25389E-03	2959.552	189.08	14.43	15.65	.0300	1.00	3.16	.25
REWA	46500	500.0	9340.00	16.998	.522	17.520	.24879E-03	2920.723	175.81	15.00	16.61	.0300	1.00	3.20	.25
REWA	47000	500.0	9340.00	17.221	.414	17.635	.21119E-03	3279.421	216.75	14.26	15.13	.0300	1.00	2.85	.23
REWA	47500	500.0	9340.00	17.190	.570	17.760	.28860E-03	2794.155	181.99	14.34	15.35	.0300	1.00	3.34	.27
REWA	48000	500.0	7600.00	17.431	.467	17.897	.26154E-03	2512.582	176.68	13.29	14.22	.0300	1.00	3.02	.26
REWA	48500	500.0	7600.00	17.648	.360	18.008	.17970E-03	2861.046	181.19	14.49	15.79	.0300	1.00	2.66	.21
REWA	49000	500.0	7600.00	17.776	.318	18.094	.16583E-03	3044.335	203.17	14.03	14.98	.0300	1.00	2.50	.21
REWA	49500	500.0	7600.00	17.839	.342	18.182	.18447E-03	2934.238	203.53	13.68	14.42	.0300	1.00	2.59	.22
REWA	50000	500.0	7600.00	17.969	.305	18.274	.18560E-03	3109.788	235.85	12.48	13.19	.0300	1.00	2.44	.21

\*\*\* 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 :  $FR = V/SORT(9.8*(A/B)/ALPHA)$

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"Non-Uniform Flow, 20000m3/s, REWA"

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
REWA	0	20000.00	1.372	1.624	2.996	.59586E-02	3544.790	1091.28	3.25	3.25	.0300	1.00	5.64	1.00
REWA	10001000.0	20000.00	5.780	.475	6.255	.55894E-03	6555.505	852.68	7.62	7.69	.0300	1.00	3.05	.35
REWA	1500500.0	20000.00	6.143	.360	6.503	.43247E-03	7527.173	992.11	7.50	7.59	.0300	1.00	2.66	.31
REWA	2000500.0	20000.00	6.340	.393	6.733	.48605E-03	7205.872	971.12	7.34	7.42	.0300	1.00	2.78	.33
REWA	2500500.0	20000.00	6.618	.336	6.954	.39935E-03	7791.503	1019.38	7.56	7.64	.0300	1.00	2.57	.30
REWA	3000500.0	20000.00	6.818	.328	7.146	.36940E-03	7887.323	990.32	7.87	7.96	.0300	1.00	2.54	.29
REWA	3500500.0	20000.00	6.921	.407	7.328	.35720E-03	7082.574	737.12	9.49	9.61	.0300	1.00	2.82	.29

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REWA	4000	500.0	20000.00	5.747	2.141	7.838	18835E-02	3087.419	316.01	9.46	9.77	.0300	1.00	6.43	.66
REWA	4500	500.0	20000.00	7.041	1.708	8.749	15596E-02	3457.013	364.18	9.21	9.49	.0300	1.00	5.79	.60
REWA	5000	500.0	20000.00	8.310	1.045	9.355	86648E-03	4419.356	433.76	9.91	10.19	.0300	1.00	4.53	.45
REWA	5500	500.0	20000.00	9.105	.561	9.657	37858E-03	6029.470	510.00	11.57	11.82	.0300	1.00	3.32	.31
REWA	6000	500.0	20000.00	9.240	.626	9.866	41995E-03	5710.694	482.60	11.61	11.83	.0300	1.00	3.50	.33
REWA	6500	500.0	20000.00	9.050	1.104	10.154	73044E-03	4399.170	353.24	11.73	12.17	.0300	1.00	4.65	.43
REWA	7000	500.0	20000.00	9.543	.930	10.472	54395E-03	4685.459	349.72	12.87	13.40	.0300	1.00	4.27	.37
REWA	7500	500.0	20000.00	10.002	.707	10.709	40236E-03	5374.506	398.13	13.13	13.50	.0300	1.00	3.72	.32
REWA	8000	500.0	20000.00	10.505	.359	10.864	21744E-03	7539.068	597.57	12.54	12.83	.0300	1.00	2.65	.24
REWA	8500	500.0	20000.00	10.736	.222	10.958	15889E-03	9593.510	846.51	11.05	11.33	.0300	1.00	2.08	.20
REWA	9000	500.0	20000.00	10.859	.165	11.024	10515E-03	1124.850	908.42	12.06	12.25	.0300	1.00	1.80	.16
REWA	9500	500.0	20000.00	10.853	.235	11.088	15056E-03	9318.411	756.70	12.02	12.31	.0300	1.00	2.15	.20
REWA	10000	500.0	20000.00	10.961	.197	11.158	12982E-03	10179.210	852.66	11.77	11.94	.0300	1.00	1.96	.18
REWA	10500	500.0	20000.00	10.786	.474	11.261	28086E-03	6558.836	500.28	12.75	13.11	.0300	1.00	3.05	.27
REWA	11000	500.0	20000.00	10.670	.770	11.440	43710E-03	5147.192	376.35	13.17	13.68	.0300	1.00	3.89	.34
REWA	11500	500.0	20000.00	10.588	1.112	11.699	59979E-03	4284.872	298.37	13.49	13.93	.0300	1.00	4.67	.39
REWA	12000	500.0	20000.00	11.330	.602	11.932	33052E-03	5823.720	418.13	13.67	14.36	.0300	1.00	3.43	.29
REWA	12500	500.0	20000.00	11.543	.543	12.087	28927E-03	6127.919	431.03	13.81	14.22	.0300	1.00	3.26	.28
REWA	13000	500.0	20000.00	11.716	.503	12.219	24017E-03	6367.364	405.38	14.99	15.71	.0300	1.00	3.14	.25
REWA	13500	500.0	20000.00	11.539	.850	12.389	43962E-03	4899.208	332.11	14.12	14.75	.0300	1.00	4.08	.34
REWA	14000	500.0	20000.00	12.045	.521	12.565	26533E-03	6260.003	424.97	14.27	14.73	.0300	1.00	3.19	.27
REWA	14500	500.0	20000.00	12.172	.528	12.700	27368E-03	6216.941	427.24	14.09	14.55	.0300	1.00	3.22	.27
REWA	15000	500.0	20000.00	12.177	.684	12.861	36953E-03	5460.864	382.39	13.66	14.28	.0300	1.00	3.66	.31
REWA	15500	500.0	20000.00	12.392	.644	13.036	32935E-03	5631.539	379.24	14.22	14.85	.0300	1.00	3.55	.29
REWA	16000	500.0	20000.00	12.470	.745	13.215	38752E-03	5235.198	354.66	14.05	14.76	.0300	1.00	3.82	.32
REWA	16500	500.0	20000.00	12.639	.782	13.421	43707E-03	5107.560	367.39	13.32	13.90	.0300	1.00	3.92	.34
REWA	17000	500.0	20000.00	13.113	.477	13.590	23807E-03	6342.645	433.33	14.49	15.10	.0300	1.00	3.06	.25
REWA	17500	500.0	20000.00	12.251	1.601	13.852	80841E-03	3570.424	230.67	14.37	15.48	.0300	1.00	5.60	.45
REWA	18000	500.0	20000.00	12.984	1.228	14.213	63603E-03	4075.878	270.44	14.10	15.07	.0300	1.00	4.91	.40
REWA	18500	500.0	20000.00	13.688	.776	14.465	37197E-03	5127.813	327.20	14.94	15.67	.0300	1.00	3.90	.31
REWA	19000	500.0	18680.00	14.049	.580	14.629	28714E-03	5539.265	361.31	14.59	15.23	.0300	1.00	3.37	.28
REWA	19500	500.0	18680.00	14.384	.365	14.750	19333E-03	6983.109	484.61	13.87	14.41	.0300	1.00	2.88	.23
REWA	20000	500.0	18680.00	14.339	.528	14.866	27359E-03	5808.727	394.00	14.09	14.74	.0300	1.00	3.22	.27
REWA	20500	500.0	18680.00	14.335	.682	15.018	33396E-03	5107.725	332.49	14.71	15.36	.0300	1.00	3.84	.31
REWA	21000	500.0	18680.00	14.444	.753	15.197	38109E-03	4863.430	319.40	14.34	15.23	.0300	1.00	3.66	.30
REWA	21500	500.0	18680.00	14.712	.656	15.368	30325E-03	5209.654	322.54	15.35	16.15	.0300	1.00	3.59	.28
REWA	22000	500.0	18680.00	14.874	.644	15.518	29745E-03	5257.749	322.86	15.36	16.28	.0300	1.00	3.55	.28
REWA	22500	500.0	18680.00	14.735	.966	15.701	43534E-03	4292.050	250.90	15.65	17.11	.0300	1.00	4.35	.34
REWA	23000	500.0	18680.00	15.280	.585	15.864	21667E-03	5518.665	273.20	18.12	20.20	.0300	1.00	3.38	.24
REWA	23500	500.0	18680.00	15.189	.820	16.009	36220E-03	4660.657	275.40	15.88	16.92	.0300	1.00	4.01	.31
REWA	24000	500.0	18680.00	14.614	1.679	16.293	77256E-03	3256.622	191.46	15.40	17.01	.0300	1.00	5.74	.44
REWA	24500	500.0	18680.00	15.194	1.460	16.634	67432E-03	3491.589	207.38	15.37	16.84	.0300	1.00	5.35	.42
REWA	25000	500.0	18680.00	16.318	.567	16.895	24899E-03	5601.918	334.37	15.96	16.75	.0300	1.00	3.33	.26
REWA	25500	500.0	18680.00	16.203	.842	17.045	38960E-03	4599.425	282.98	15.34	16.25	.0300	1.00	4.06	.32
REWA	26000	500.0	18680.00	16.172	1.097	17.269	50573E-03	4029.081	241.50	15.38	16.63	.0300	1.00	4.64	.36
REWA	26500	500.0	18680.00	16.853	.607	17.460	25737E-03	5417.919	313.27	16.37	17.29	.0300	1.00	3.45	.26
REWA	27000	500.0	18680.00	16.525	1.122	17.647	49259E-03	3982.984	228.02	15.96	17.47	.0300	1.00	4.69	.36
REWA	27500	500.0	18680.00	17.071	.776	17.847	30585E-03	4790.290	256.31	17.30	18.69	.0300	1.00	3.46	.29
REWA	28000	500.0	18680.00	17.376	.612	17.988	26114E-03	5391.737	310.05	16.31	17.39	.0300	1.00	3.90	.27
REWA	28500	500.0	18680.00	17.376	.752	18.128	29788E-03	4365.327	260.79	17.24	18.66	.0300	1.00	3.84	.28
REWA	29000	500.0	18680.00	17.531	.747	18.278	30275E-03	4380.513	265.86	16.95	18.36	.0300	1.00	3.83	.29

REWA	29500	500.0	18680.00	17.351	1.120	18.471	.46594E-03	3987.596	213.78	16.61	18.65	.0300	1.00	4.68	.35
REWA	30000	500.0	18680.00	18.050	.599	18.649	.24812E-03	5450.823	309.50	16.67	17.61	.0300	1.00	3.43	.26
REWA	30500	500.0	18680.00	18.064	.720	18.783	.28948E-03	4972.905	271.15	17.05	18.34	.0300	1.00	3.76	.28
REWA	31000	500.0	18680.00	18.008	.939	18.947	.36452E-03	4354.135	228.43	17.50	19.06	.0300	1.00	4.29	.31
REWA	31500	500.0	18680.00	18.399	.701	19.100	.24928E-03	5039.991	240.75	18.75	20.93	.0300	1.00	3.71	.26
REWA	32000	500.0	18680.00	18.391	.854	19.244	.32762E-03	4567.017	235.67	17.65	19.38	.0300	1.00	4.09	.30
REWA	32500	500.0	18680.00	18.320	1.110	19.430	.41598E-03	4004.333	198.06	17.94	20.22	.0300	1.00	4.66	.33
REWA	33000	500.0	18680.00	18.500	1.149	19.649	.45895E-03	3935.798	207.74	17.13	18.95	.0300	1.00	4.75	.35
REWA	33500	500.0	18680.00	18.282	1.664	19.945	.72472E-03	3271.377	184.11	16.05	17.77	.0300	1.00	5.71	.43
REWA	34000	500.0	18680.00	19.427	.776	20.203	.30760E-03	4789.661	257.21	17.23	18.62	.0300	1.00	3.90	.29
REWA	34500	500.0	18680.00	18.630	1.841	20.471	.76170E-03	3110.123	162.84	16.68	19.10	.0300	1.00	6.01	.44
REWA	35000	500.0	18680.00	20.181	.531	20.713	.20745E-03	5787.770	308.89	17.43	18.74	.0300	1.00	3.23	.24
REWA	35500	500.0	18680.00	18.826	2.183	21.009	.97611E-03	2855.918	156.90	15.74	18.20	.0300	1.00	6.54	.49
REWA	36000	500.0	18680.00	20.613	.702	21.315	.24837E-03	5036.359	240.37	18.76	20.95	.0300	1.00	3.71	.26
REWA	36500	500.0	18680.00	19.624	1.952	21.576	.79812E-03	3019.645	158.12	16.84	19.10	.0300	1.00	6.19	.45
REWA	37000	500.0	18680.00	20.738	1.142	21.881	.41817E-03	3948.000	191.06	18.29	20.66	.0300	1.00	4.73	.33
REWA	37500	500.0	18680.00	21.215	.846	22.060	.30074E-03	4588.371	220.47	18.69	20.81	.0300	1.00	4.07	.29
REWA	38000	500.0	18680.00	21.448	.753	22.200	.25988E-03	4863.282	227.37	19.11	21.39	.0300	1.00	3.84	.27
REWA	38500	500.0	18680.00	21.360	.991	22.351	.34184E-03	4237.801	196.84	19.13	21.53	.0300	1.00	4.41	.30
REWA	39000	500.0	18680.00	21.429	1.109	22.538	.40661E-03	4006.127	196.51	18.27	20.39	.0300	1.00	4.66	.33
REWA	39500	500.0	18680.00	21.703	1.021	22.723	.33524E-03	4176.465	184.89	19.84	22.59	.0300	1.00	4.47	.30
REWA	40000	500.0	18680.00	21.636	1.299	22.935	.51248E-03	3701.698	193.86	17.29	19.09	.0300	1.00	5.05	.37
REWA	40500	500.0	18680.00	22.382	.743	23.125	.24529E-03	4894.570	224.09	19.77	21.84	.0300	1.00	3.82	.26
REWA	41000	500.0	18680.00	22.612	.628	23.240	.21751E-03	5323.013	256.21	19.07	20.78	.0300	1.00	3.51	.25
REWA	41500	500.0	18680.00	22.523	.844	23.367	.28781E-03	4592.939	211.92	19.29	21.67	.0300	1.00	4.07	.28
REWA	42000	500.0	18680.00	22.564	.956	23.521	.32692E-03	4314.949	199.69	19.25	21.61	.0300	1.00	4.33	.30
REWA	42500	500.0	18680.00	22.821	.852	23.673	.28588E-03	4571.899	209.27	19.69	21.85	.0300	1.00	4.09	.28
REWA	43000	500.0	18680.00	22.990	.820	23.810	.26700E-03	4658.643	210.31	19.97	22.15	.0300	1.00	4.01	.27
REWA	43500	500.0	18680.00	23.168	.772	23.940	.25198E-03	4800.958	216.74	19.94	22.15	.0300	1.00	3.89	.26
REWA	44000	500.0	18680.00	23.408	.649	24.057	.21576E-03	5236.168	242.52	19.67	21.59	.0300	1.00	3.57	.25
REWA	44500	500.0	18680.00	23.534	.629	24.163	.20826E-03	5318.647	245.54	19.73	21.66	.0300	1.00	3.51	.24
REWA	45000	500.0	18680.00	23.175	1.136	24.311	.38358E-03	3959.374	178.44	19.43	22.19	.0300	1.00	4.72	.32
REWA	45500	500.0	18680.00	23.642	.833	24.476	.27600E-03	4621.655	206.89	19.72	22.34	.0300	1.00	4.04	.27
REWA	46000	500.0	18680.00	23.635	.992	24.628	.33109E-03	4235.682	189.08	19.61	22.40	.0300	1.00	4.41	.30
REWA	46500	500.0	18680.00	23.740	1.056	24.796	.34271E-03	4106.014	175.81	20.02	23.35	.0300	1.00	4.55	.30
REWA	47000	500.0	18680.00	24.168	.778	24.945	.25457E-03	4785.131	216.75	19.89	22.08	.0300	1.00	3.90	.27
REWA	47500	500.0	18680.00	24.007	1.094	25.101	.36792E-03	4034.904	181.99	19.48	22.17	.0300	1.00	4.63	.31
REWA	48000	500.0	15200.00	24.428	.839	25.267	.29687E-03	3748.921	176.68	18.80	21.22	.0300	1.00	4.05	.28
REWA	48500	500.0	15200.00	24.710	.688	25.398	.22726E-03	4140.699	181.19	19.74	22.85	.0300	1.00	3.67	.25
REWA	49000	500.0	15200.00	24.920	.583	25.503	.19406E-03	4495.718	203.17	19.65	22.13	.0300	1.00	3.38	.23
REWA	49500	500.0	15200.00	24.995	.609	25.604	.20931E-03	4398.941	204.74	19.18	21.49	.0300	1.00	3.46	.24
REWA	50000	500.0	15200.00	25.193	.509	25.702	.18361E-03	4813.537	235.85	18.49	20.41	.0300	1.00	3.16	.22