

APPENDIX 4D

KLAMATH RIVER INSTREAM FLOW CALIBRATION DETAILS STAGE/DISCHARGE REGRESSION STATISTICS

J.C. Boyle Bypass - Klamath River Project

Stage/Flow Regression Statistics

XS	Name	N	A	B	MeanErr(%)	Variance	Std.Dev
1	Pow 52A	3	48.0041	2.1284	0.3687	0.0259	0.16104
2	Pow 52B	3	61.8015	2.0805	1.4590	0.4244	0.65149
3	Pow 52C	3	32.9755	2.4933	0.1333	0.0033	0.05763
4	Run 55A	3	68.6665	2.2666	1.2451	0.2786	0.52781
5	Run 55B	3	46.9453	2.3147	0.2575	0.0126	0.11221
6	Run 55C	3	41.3072	2.3706	0.4144	0.0328	0.18110
7	Pool 58A	3	15.4263	2.8759	0.1383	0.0036	0.06012
8	Pool 58B	3	13.5372	2.9407	0.3198	0.0195	0.13955
9	Pool 58C	3	15.5500	2.8013	0.1086	0.0022	0.04691
10	Run 108A	3	30.9991	2.3844	0.4474	0.0383	0.19565
11	Run 108B	3	20.1645	2.5335	1.7718	0.6345	0.79653
12	Run 108C	3	18.7404	2.4949	3.9493	3.4820	1.86601
13	Pool 133A	3	31.5007	2.1960	2.6016	1.4191	1.19125
14	Pool 133B	3	24.3866	2.2496	4.1275	3.8361	1.95860
15	Pool 133C	3	24.6840	2.2276	2.9132	1.8051	1.34355
16	Pool 172A	3	50.5551	2.0416	3.5796	2.8622	1.69179
17	Pool 172B	3	45.8348	2.0877	4.7636	5.3741	2.31822
18	Pool 172C	3	46.2714	2.0739	5.4696	7.3410	2.70943
19	Pow 183A	3	19.9951	3.1118	0.1533	0.0044	0.06644
20	Pow 183B	3	19.7788	3.3344	2.6852	1.5420	1.24179
21	Pow 183C	3	19.9906	3.2174	0.5308	0.0521	0.22834
22	Run 184A	3	17.3861	3.2315	0.6393	0.0796	0.28206
23	Run 184B	3	6.6591	3.7349	1.6828	0.5013	0.70805
24	Run 184C	3	5.4101	3.7098	2.2568	0.8835	0.93993
25	Pool 267A	3	4.6312	3.0511	4.3808	5.8386	2.41632
26	Pool 267B	3	4.8793	2.9714	3.1216	2.8056	1.67500
27	Pool 267C	3	4.9511	2.9482	2.6940	2.0505	1.43196
28	Pow 276A	3	5.2208	3.1043	0.3385	0.0281	0.16767
29	Pow 276B	3	10.2448	2.9070	0.0870	0.0019	0.04332
30	Run 282A	3	12.6695	2.8872	5.0322	7.9239	2.81494
31	Run 282B	3	14.3580	2.7140	1.2172	0.3913	0.62552
32	Run 282C	3	15.0149	2.6304	1.6559	0.7390	0.85963

REGRESSION RESULTS:

XSEC # 1 Pow 52A
SZF = 91.040

Log/log Functions (Given Flows):

FLOW = 48.00414 * (Stage - 91.0400) ** 2.12837
STAGE = 0.16220 * Flow ** 0.46984 + 91.0400

GivenFlow	Predicted	Ratio
1750.000	1744.984	1.0029
800.000	804.434	0.9945
350.000	349.071	1.0027

XSEC # 2 Pow 52B
SZF = 91.790

Log/log Functions (Given Flows):

FLOW = 61.80152 * (Stage - 91.7900) ** 2.08054
STAGE = 0.13777 * Flow ** 0.48064 + 91.7900

GivenFlow	Predicted	Ratio
1750.000	1729.722	1.0117
800.000	817.652	0.9784
350.000	346.459	1.0102

XSEC # 3 Pow 52C
SZF = 92.710

Log/log Functions (Given Flows):

FLOW = 32.97547 * (Stage - 92.7100) ** 2.49332
STAGE = 0.24609 * Flow ** 0.40107 + 92.7100

GivenFlow	Predicted	Ratio
1750.000	1751.792	0.9990
800.000	798.402	1.0020
350.000	350.342	0.9990

XSEC # 4 Run 55A
SZF = 93.120

Log/log Functions (Given Flows):

FLOW = 68.66653 * (Stage - 93.1200) ** 2.26663
STAGE = 0.15476 * Flow ** 0.44118 + 93.1200

GivenFlow	Predicted	Ratio
1750.000	1766.329	0.9908
800.000	785.164	1.0189
350.000	353.317	0.9906

XSEC # 5 Run 55B
SZF = 93.120

Log/log Functions (Given Flows):

FLOW = 46.94526 * (Stage - 93.1200) ** 2.31472
STAGE = 0.18960 * Flow ** 0.43202 + 93.1200

GivenFlow	Predicted	Ratio
1750.000	1746.504	1.0020
800.000	803.095	0.9961
350.000	349.349	1.0019

XSEC # 6 Run 55C
SZF = 93.120

Log/log Functions (Given Flows):

FLOW = 41.30724 * (Stage - 93.1200) ** 2.37059
STAGE = 0.20811 * Flow ** 0.42184 + 93.1200

GivenFlow	Predicted	Ratio
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1750.000	1744.364	1.0032
800.000	804.984	0.9938
350.000	348.957	1.0030

XSEC # 7 Pool 58A
SZF = 93.510

Log/log Functions (Given Flows):

FLOW = 15.42627 * (Stage - 93.5100) ** 2.87586
STAGE = 0.38620 * Flow ** 0.34772 + 93.5100

GivenFlow	Predicted	Ratio
1750.000	1748.134	1.0011
800.000	801.661	0.9979
350.000	349.648	1.0010

XSEC # 8 Pool 58B
SZF = 93.510

Log/log Functions (Given Flows):

FLOW = 13.53717 * (Stage - 93.5100) ** 2.94067
STAGE = 0.41230 * Flow ** 0.34006 + 93.5100

GivenFlow	Predicted	Ratio
1750.000	1745.651	1.0025
800.000	803.845	0.9952
350.000	349.194	1.0023

XSEC # 9 Pool 58C
SZF = 93.510

Log/log Functions (Given Flows):

FLOW = 15.54998 * (Stage - 93.5100) ** 2.80132
STAGE = 0.37548 * Flow ** 0.35697 + 93.5100

GivenFlow	Predicted	Ratio
1750.000	1751.458	0.9992
800.000	798.699	1.0016
350.000	350.279	0.9992

XSEC # 10 Run 108A
SZF = 88.220

Log/log Functions (Given Flows):

FLOW = 30.99908 * (Stage - 88.2200) ** 2.38444
STAGE = 0.23689 * Flow ** 0.41939 + 88.2200

GivenFlow	Predicted	Ratio
1750.000	1743.910	1.0035
800.000	805.382	0.9933
350.000	348.875	1.0032

XSEC # 11 Run 108B
SZF = 88.220

Log/log Functions (Given Flows):

FLOW = 20.16455 * (Stage - 88.2200) ** 2.53351
STAGE = 0.30554 * Flow ** 0.39471 + 88.2200

GivenFlow	Predicted	Ratio
1750.000	1725.216	1.0144
800.000	821.474	0.9739
350.000	345.747	1.0123

XSEC # 12 Run 108C
SZF = 88.220

Log/log Functions (Given Flows):

FLOW = 18.74036 * (Stage - 88.2200) ** 2.49487
STAGE = 0.30892 * Flow ** 0.40082 + 88.2200

GivenFlow	Predicted	Ratio
1750.000	1692.441	1.0340
800.000	848.445	0.9429
350.000	341.239	1.0257

XSEC # 13 Pool 133A
SZF = 92.310

Log/log Functions (Given Flows):

FLOW = 31.50069 * (Stage - 92.3100) ** 2.19597
STAGE = 0.20782 * Flow ** 0.45538 + 92.3100

GivenFlow	Predicted	Ratio
1750.000	1713.022	1.0216
800.000	831.675	0.9619
350.000	343.937	1.0176

XSEC # 14 Pool 133B
SZF = 92.310

Log/log Functions (Given Flows):

FLOW = 24.38658 * (Stage - 92.3100) ** 2.24956
STAGE = 0.24175 * Flow ** 0.44453 + 92.3100

GivenFlow	Predicted	Ratio
1750.000	1689.652	1.0357
800.000	850.682	0.9404
350.000	340.904	1.0267

XSEC # 15 Pool 133C
SZF = 92.310

Log/log Functions (Given Flows):

FLOW = 24.68401 * (Stage - 92.3100) ** 2.22760
STAGE = 0.23710 * Flow ** 0.44891 + 92.3100

GivenFlow	Predicted	Ratio
1750.000	1708.348	1.0244
800.000	835.532	0.9575
350.000	343.287	1.0196

 XSEC # 16 Pool 172A
 SZF = 92.950

Log/log Functions (Given Flows):
 FLOW = 50.55515 * (Stage - 92.9500) ** 2.04159
 STAGE = 0.14638 * Flow ** 0.48981 + 92.9500

GivenFlow	Predicted	Ratio
1750.000	1696.978	1.0312
800.000	843.824	0.9481
333.000	325.570	1.0228

 XSEC # 17 Pool 172B
 SZF = 92.950

Log/log Functions (Given Flows):
 FLOW = 45.83475 * (Stage - 92.9500) ** 2.08770
 STAGE = 0.16006 * Flow ** 0.47900 + 92.9500

GivenFlow	Predicted	Ratio
1750.000	1678.038	1.0429
800.000	858.703	0.9316
333.000	323.540	1.0292

 XSEC # 18 Pool 172C
 SZF = 92.950

Log/log Functions (Given Flows):
 FLOW = 46.27135 * (Stage - 92.9500) ** 2.07389
 STAGE = 0.15740 * Flow ** 0.48219 + 92.9500

GivenFlow	Predicted	Ratio
1750.000	1666.425	1.0502
800.000	867.668	0.9220
333.000	322.429	1.0328

 XSEC # 19 Pow 183A
 SZF = 93.440

Log/log Functions (Given Flows):
 FLOW = 19.99512 * (Stage - 93.4400) ** 3.11180
 STAGE = 0.38189 * Flow ** 0.32136 + 93.4400

GivenFlow	Predicted	Ratio
1750.000	1752.118	0.9988
800.000	798.162	1.0023
333.000	333.364	0.9989

XSEC # 20 Pow 183B
SZF = 94.260

Log/log Functions (Given Flows):

FLOW = 19.77879 * (Stage - 94.2600) ** 3.33436
STAGE = 0.40856 * Flow ** 0.29991 + 94.2600

GivenFlow	Predicted	Ratio
1750.000	1710.847	1.0229
800.000	832.710	0.9607
333.000	327.241	1.0176

XSEC # 21 Pow 183C
SZF = 94.260

Log/log Functions (Given Flows):

FLOW = 19.99058 * (Stage - 94.2600) ** 3.21736
STAGE = 0.39417 * Flow ** 0.31081 + 94.2600

GivenFlow	Predicted	Ratio
1750.000	1757.274	0.9959
800.000	793.650	1.0080
333.000	334.275	0.9962

XSEC # 22 Run 184A
SZF = 95.190

Log/log Functions (Given Flows):

FLOW = 17.38610 * (Stage - 95.1900) ** 3.23150
STAGE = 0.41325 * Flow ** 0.30945 + 95.1900

GivenFlow	Predicted	Ratio
1750.000	1741.016	1.0052
800.000	807.699	0.9905
333.000	331.528	1.0044

XSEC # 23 Run 184B
SZF = 95.190

Log/log Functions (Given Flows):

FLOW = 6.65912 * (Stage - 95.1900) ** 3.73487
STAGE = 0.60191 * Flow ** 0.26775 + 95.1900

GivenFlow	Predicted	Ratio
1750.000	1772.538	0.9873
800.000	779.998	1.0256
333.000	337.197	0.9876

XSEC # 24 Run 184C
SZF = 95.190

Log/log Functions (Given Flows):

FLOW = 5.41015 * (Stage - 95.1900) ** 3.70981
STAGE = 0.63439 * Flow ** 0.26956 + 95.1900

GivenFlow	Predicted	Ratio
1750.000	1779.836	0.9832
800.000	773.263	1.0346
333.000	338.739	0.9831

XSEC # 25 Pool 267A
SZF = 90.450

Log/log Functions (Given Flows):

FLOW = 4.63119 * (Stage - 90.4500) ** 3.05112
STAGE = 0.60509 * Flow ** 0.32775 + 90.4500

GivenFlow	Predicted	Ratio
1500.000	1432.663	1.0470
607.000	647.919	0.9368
100.000	98.088	1.0195

XSEC # 26 Pool 267B
SZF = 90.450

Log/log Functions (Given Flows):

FLOW = 4.87933 * (Stage - 90.4500) ** 2.97139
STAGE = 0.58659 * Flow ** 0.33654 + 90.4500

GivenFlow	Predicted	Ratio
1500.000	1452.350	1.0328
607.000	635.944	0.9545
100.000	98.580	1.0144

XSEC # 27 Pool 267C
SZF = 90.450

Log/log Functions (Given Flows):

FLOW = 4.95108 * (Stage - 90.4500) ** 2.94816
STAGE = 0.58125 * Flow ** 0.33919 + 90.4500

GivenFlow	Predicted	Ratio
1500.000	1458.974	1.0281
607.000	631.917	0.9606
100.000	98.758	1.0126

XSEC # 28 Pow 276A
SZF = 91.890

Log/log Functions (Given Flows):

FLOW = 5.22079 * (Stage - 91.8900) ** 3.10430
STAGE = 0.58721 * Flow ** 0.32213 + 91.8900

GivenFlow	Predicted	Ratio
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1500.000	1505.062	0.9966
607.000	603.925	1.0051
100.000	100.171	0.9983

XSEC # 29 Pow 276B
SZF = 92.590

Log/log Functions (Given Flows):

FLOW = 10.24479 * (Stage - 92.5900) ** 2.90704
STAGE = 0.44915 * Flow ** 0.34399 + 92.5900

GivenFlow	Predicted	Ratio
1500.000	1501.302	0.9991
607.000	606.209	1.0013
100.000	100.044	0.9996

XSEC # 30 Run 282A
SZF = 94.770

Log/log Functions (Given Flows):

FLOW = 12.66949 * (Stage - 94.7700) ** 2.88720
STAGE = 0.41500 * Flow ** 0.34636 + 94.7700

GivenFlow	Predicted	Ratio
1500.000	1422.375	1.0546
607.000	654.183	0.9279
100.000	97.851	1.0220

XSEC # 31 Run 282B
SZF = 94.770

Log/log Functions (Given Flows):

FLOW = 14.35801 * (Stage - 94.7700) ** 2.71403
STAGE = 0.37468 * Flow ** 0.36846 + 94.7700

GivenFlow	Predicted	Ratio
1500.000	1481.626	1.0124
607.000	618.161	0.9819
100.000	99.412	1.0059

XSEC # 32 Run 282C
SZF = 94.770

Log/log Functions (Given Flows):

FLOW = 15.01493 * (Stage - 94.7700) ** 2.63039
STAGE = 0.35704 * Flow ** 0.38017 + 94.7700

GivenFlow	Predicted	Ratio
1500.000	1474.937	1.0170
607.000	622.223	0.9755
100.000	99.211	1.0080

J.C. Boyle Peaking Reach - Klamath River Project

Stage/Flow Regression Statistics

XS	Name	N	A	B	MeanErr(%)	Variance	Std.Dev
1	Run 207A	4	48.7742	2.4171	3.6302	2.2245	1.49147
2	Run 207B	4	44.0734	2.3528	3.6060	3.5754	1.89088
3	Run 207C	4	29.0520	2.4950	5.7065	5.1634	2.27231
4	Barn A	4	29.6154	3.0808	6.8514	1.1103	1.05371
5	Barn B	4	29.5101	2.9563	5.0653	1.6728	1.29338
6	Barn C	4	40.4880	2.5608	6.7754	2.0121	1.41848
7	Rif 201.5A	4	35.4378	2.9434	3.0622	6.2157	2.49313
8	Rif 201.5B	4	63.2293	2.5407	8.5349	12.6566	3.55761
9	Run 177A	4	26.1865	2.6040	0.6498	0.1674	0.40911
10	Run 177B	4	22.9939	2.7003	2.8994	0.1402	0.37438
11	Run 177C	4	15.3167	2.7731	0.1996	0.0175	0.13239
12	Rif 176A	4	4.6740	3.8910	3.7027	8.4811	2.91224
13	Rif 176B	4	15.9431	3.3563	1.3077	0.8316	0.91190
14	Rif 176C	4	14.1502	3.6149	4.2812	2.4972	1.58027
15	Pool 168A	4	37.9162	2.8553	5.7200	0.3777	0.61460
16	Pool 168B	4	35.8698	2.8022	6.7455	0.0761	0.27592
17	Pool 168C	4	38.1026	2.7334	6.8377	0.3665	0.60540
18	Rif 164A	4	7.9162	3.8013	1.7890	0.2824	0.53141
19	Rif 164B	4	15.5007	3.3790	5.0970	0.6158	0.78473
20	Run 150A	4	83.6941	2.1706	2.4646	2.7809	1.66759
21	Run 150B	4	61.5634	2.2527	0.4254	0.0414	0.20349
22	Run 150C	4	35.1326	2.5435	1.2590	0.2463	0.49627
23	Pool 147A	4	29.5104	2.3306	1.0806	0.7703	0.87768
24	Pool 147B	4	28.0188	2.3168	1.9086	1.8473	1.35916
25	Pool 147C	4	33.0811	2.2484	0.7066	0.2392	0.48910
26	Rif 146A	4	1.2737	4.9436	3.1797	0.9623	0.98095
27	Rif 74A	4	19.4361	3.3493	2.6664	1.0553	1.02727
28	Rif 74B	4	19.3902	3.2331	8.4076	4.4838	2.11749
29	Rif 74C	4	24.4239	3.3281	5.0822	1.2033	1.09693
30	Rif/Run 72A	4	34.8387	2.8038	5.2573	0.0444	0.21078
31	Rif/Run 72B	4	30.5213	3.1340	6.7442	1.7581	1.32593
32	Glide 71A	4	47.1390	3.0721	4.1702	0.1352	0.36764
33	Glide 71B	4	61.4914	2.9271	1.7439	1.0001	1.00005
34	Glide 71C	4	32.8046	3.3158	3.1598	0.2556	0.50555
35	Rif/Run 70A	4	22.5993	3.1164	3.5615	6.9345	2.63334
36	Rif/Run 70B	4	5.9514	3.7337	4.0535	0.3037	0.55111
37	Rif 59A	4	11.5727	3.4877	2.9805	0.7672	0.87587
38	Rif 59B	4	32.4972	3.2072	2.0659	2.2795	1.50981
39	Rif 59C	4	10.0174	3.7610	2.7798	4.3012	2.07394
40	Pool 58a	4	35.7221	2.9660	2.2024	3.3584	1.83260
41	Pool 58b	4	31.8144	2.9118	4.3174	0.9061	0.95190
42	Pool 58c	4	29.6882	2.7645	1.6777	0.4218	0.64944
43	Run 57.5A	4	42.9072	2.5735	3.9534	0.3128	0.55925
44	Run 57.5B	4	30.7773	2.9610	1.6125	1.6048	1.26681
45	Run 57.5C	4	17.8674	3.1981	3.1843	0.4056	0.63684
46	Pool 57a	4	45.4591	2.6892	1.8618	0.0476	0.21827
47	Pool 57b	4	35.0462	2.6686	0.1048	0.0048	0.06947
48	Pool 57c	4	35.6075	2.6486	1.1946	0.0170	0.13028
49	Pool 31a	4	49.6375	2.5421	4.7138	18.9820	4.35683
50	Pool 31b	4	58.3740	2.3546	2.2960	0.6094	0.78063
51	Pool 31c	4	63.9238	2.2587	3.8941	0.4579	0.67669
52	Run 30a	4	94.6086	2.0133	1.1484	0.7875	0.88740
53	Run 30b	4	82.6886	2.0851	1.0358	0.6384	0.79902
54	Run 30c	4	82.4919	2.1573	7.1870	3.1381	1.77146
55	Pool 29a	4	34.8549	2.4825	1.6119	1.3820	1.17557
56	Pool 29b	4	31.6554	2.4607	3.6071	4.4802	2.11665
57	Pool 29c	4	31.1957	2.4676	3.6387	2.6132	1.61654
58	Rif 28A	4	13.4336	3.5127	5.6083	18.9808	4.35670
59	Rif 28B	4	3.2484	4.3044	1.5846	2.0204	1.42142

60	Run 26a	4	13.8859	3.0079	2.5877	0.2893	0.53788
61	Run 26b	4	14.5413	2.9205	2.7545	0.8881	0.94238
62	Run 26c	4	11.2409	2.9208	2.7565	0.0448	0.21174
63	Pool 24a	4	12.6865	2.8948	2.4397	3.0273	1.73991
64	Pool 24b	4	10.3211	2.9698	0.1148	0.0012	0.03457
65	Pool 24c	4	9.3982	2.9961	1.3459	1.1046	1.05100
66	Pool 18a	4	41.9080	2.5042	5.0937	0.7485	0.86515
67	Pool 18b	4	41.1747	2.5070	6.4290	3.8013	1.94970
68	Pool 18c	4	43.5482	2.4277	2.6265	0.2711	0.52066
69	Run 10A	4	51.0170	2.5724	0.9787	0.2315	0.48112
70	Run 10B	4	47.6103	2.5370	0.6841	0.2979	0.54580
71	Run 10c	4	42.9488	2.5336	1.1996	0.8610	0.92791

 REGRESSION RESULTS:

XSEC # 1 Run 207A
 SZF = 93.420

Log/log Functions (Given Flows):

FLOW = 48.77421 * (Stage - 93.4200) ** 2.41709
 STAGE = 0.20024 * Flow ** 0.41372 + 93.4200

GivenFlow	Predicted	Ratio
1594.000	1565.453	1.0182
844.000	799.100	1.0562
358.000	372.912	0.9600
3000.000	3097.334	0.9686

 XSEC # 2 Run 207B
 SZF = 93.420

Log/log Functions (Given Flows):

FLOW = 44.07343 * (Stage - 93.4200) ** 2.35276
 STAGE = 0.20007 * Flow ** 0.42503 + 93.4200

GivenFlow	Predicted	Ratio
1594.000	1573.263	1.0132
844.000	795.448	1.0610
358.000	373.447	0.9586
3000.000	3091.676	0.9703

 XSEC # 3 Run 207C
 SZF = 93.420

Log/log Functions (Given Flows):

FLOW = 29.05197 * (Stage - 93.4200) ** 2.49495
 STAGE = 0.25915 * Flow ** 0.40081 + 93.4200

GivenFlow	Predicted	Ratio
1594.000	1547.369	1.0301
844.000	775.464	1.0884
358.000	382.541	0.9358
3000.000	3147.763	0.9531

XSEC # 4 Barn A
SZF = 90.130

Log/log Functions (Given Flows):

FLOW = 29.61541 * (Stage - 90.1300) ** 3.08077
STAGE = 0.33293 * Flow ** 0.32459 + 90.1300

GivenFlow	Predicted	Ratio
1594.000	1506.282	1.0582
844.000	778.824	1.0837
358.000	385.408	0.9289
3000.000	3195.727	0.9388

XSEC # 5 Barn B
SZF = 90.130

Log/log Functions (Given Flows):

FLOW = 29.51010 * (Stage - 90.1300) ** 2.95626
STAGE = 0.31824 * Flow ** 0.33827 + 90.1300

GivenFlow	Predicted	Ratio
1594.000	1539.343	1.0355
844.000	789.716	1.0687
358.000	378.291	0.9464
3000.000	3141.980	0.9548

XSEC # 6 Barn C
SZF = 90.130

Log/log Functions (Given Flows):

FLOW = 40.48800 * (Stage - 90.1300) ** 2.56075
STAGE = 0.23568 * Flow ** 0.39051 + 90.1300

GivenFlow	Predicted	Ratio
1594.000	1464.241	1.0886
844.000	802.343	1.0519
358.000	381.026	0.9396
2825.000	3039.528	0.9294

XSEC # 7 Rif 201.5A
SZF = 91.030

Log/log Functions (Given Flows):

FLOW = 35.43777 * (Stage - 91.0300) ** 2.94336
STAGE = 0.29756 * Flow ** 0.33975 + 91.0300

GivenFlow	Predicted	Ratio
1594.000	1500.258	1.0625
900.000	899.092	1.0010
358.000	365.709	0.9789
3000.000	3123.414	0.9605

XSEC # 8 Rif 201.5B
SZF = 91.620

Log/log Functions (Given Flows):

FLOW = 63.22933 * (Stage - 91.6200) ** 2.54069
STAGE = 0.19551 * Flow ** 0.39359 + 91.6200

GivenFlow	Predicted	Ratio
1592.000	1395.502	1.1408
900.000	864.980	1.0405
358.000	386.895	0.9253
3000.000	3295.039	0.9105

XSEC # 9 Run 177A
SZF = 94.220

Log/log Functions (Given Flows):

FLOW = 26.18646 * (Stage - 94.2200) ** 2.60405
STAGE = 0.28539 * Flow ** 0.38402 + 94.2200

GivenFlow	Predicted	Ratio
1592.000	1607.344	0.9905
850.000	841.162	1.0105
350.000	351.195	0.9966
3000.000	2992.367	1.0026

XSEC # 10 Run 177B
SZF = 94.810

Log/log Functions (Given Flows):

FLOW = 22.99393 * (Stage - 94.8100) ** 2.70032
STAGE = 0.31315 * Flow ** 0.37033 + 94.8100

GivenFlow	Predicted	Ratio
1592.000	1553.713	1.0246
850.000	821.876	1.0342
350.000	360.125	0.9719
3000.000	3089.738	0.9710

XSEC # 11 Run 177C
SZF = 94.810

Log/log Functions (Given Flows):

FLOW = 15.31671 * (Stage - 94.8100) ** 2.77306
STAGE = 0.37378 * Flow ** 0.36061 + 94.8100

GivenFlow	Predicted	Ratio
1592.000	1586.445	1.0035
850.000	852.231	0.9974
350.000	349.826	1.0005
3000.000	3004.121	0.9986

XSEC # 12 Rif 176A
SZF = 92.390

Log/log Functions (Given Flows):

FLOW = 4.67404 * (Stage - 92.3900) ** 3.89095
STAGE = 0.67280 * Flow ** 0.25701 + 92.3900

GivenFlow	Predicted	Ratio
1592.000	1477.375	1.0776
900.000	904.584	0.9949
350.000	358.164	0.9772
3000.000	3143.067	0.9545

XSEC # 13 Rif 176B
SZF = 93.730

Log/log Functions (Given Flows):

FLOW = 15.94310 * (Stage - 93.7300) ** 3.35626
STAGE = 0.43822 * Flow ** 0.29795 + 93.7300

GivenFlow	Predicted	Ratio
1592.000	1602.899	0.9932
900.000	876.674	1.0266
350.000	354.630	0.9869
3000.000	3018.946	0.9937

XSEC # 14 Rif 176C
SZF = 94.440

Log/log Functions (Given Flows):

FLOW = 14.15022 * (Stage - 94.4400) ** 3.61487
STAGE = 0.48046 * Flow ** 0.27663 + 94.4400

GivenFlow	Predicted	Ratio
1592.000	1555.817	1.0233
900.000	845.225	1.0648
350.000	366.390	0.9553
3000.000	3122.490	0.9608

XSEC # 15 Pool 168A
SZF = 94.410

Log/log Functions (Given Flows):

FLOW = 37.91619 * (Stage - 94.4100) ** 2.85526
STAGE = 0.27993 * Flow ** 0.35023 + 94.4100

GivenFlow	Predicted	Ratio
1592.000	1493.079	1.0663
850.000	808.378	1.0515
350.000	369.615	0.9469
3000.000	3184.964	0.9419

XSEC # 16 Pool 168B
SZF = 94.410

Log/log Functions (Given Flows):

FLOW = 35.86976 * (Stage - 94.4100) ** 2.80224
STAGE = 0.27873 * Flow ** 0.35686 + 94.4100

GivenFlow	Predicted	Ratio
1592.000	1489.349	1.0689
850.000	793.999	1.0705
350.000	374.674	0.9341
3000.000	3206.873	0.9355

 XSEC # 17 Pool 168C
 SZF = 94.410

Log/log Functions (Given Flows):
 FLOW = 38.10256 * (Stage - 94.4100) ** 2.73341
 STAGE = 0.26401 * Flow ** 0.36584 + 94.4100

GivenFlow	Predicted	Ratio
1592.000	1496.494	1.0638
850.000	788.742	1.0777
350.000	375.711	0.9316
3000.000	3203.961	0.9363

 XSEC # 18 Rif 164A
 SZF = 93.710

Log/log Functions (Given Flows):
 FLOW = 7.91618 * (Stage - 93.7100) ** 3.80134
 STAGE = 0.58027 * Flow ** 0.26307 + 93.7100

GivenFlow	Predicted	Ratio
1592.000	1628.269	0.9777
914.000	926.192	0.9868
350.000	345.364	1.0134
3000.000	2933.425	1.0227

 XSEC # 19 Rif 164B
 SZF = 95.020

Log/log Functions (Given Flows):
 FLOW = 15.50073 * (Stage - 95.0200) ** 3.37899
 STAGE = 0.44434 * Flow ** 0.29595 + 95.0200

GivenFlow	Predicted	Ratio
1592.000	1500.451	1.0610
914.000	875.803	1.0436
350.000	366.479	0.9550
3000.000	3172.505	0.9456

 XSEC # 20 Run 150A
 SZF = 93.610

Log/log Functions (Given Flows):
 FLOW = 83.69414 * (Stage - 93.6100) ** 2.17063
 STAGE = 0.13008 * Flow ** 0.46069 + 93.6100

GivenFlow	Predicted	Ratio
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1601.000	1650.777	0.9698
850.000	812.824	1.0457
350.000	356.659	0.9813
3000.000	2985.811	1.0048

XSEC # 21 Run 150B
SZF = 93.610

Log/log Functions (Given Flows):

FLOW = 61.56342 * (Stage - 93.6100) ** 2.25269
STAGE = 0.16058 * Flow ** 0.44391 + 93.6100

GivenFlow	Predicted	Ratio
1601.000	1611.333	0.9936
850.000	851.764	0.9979
350.000	348.932	1.0031
3000.000	2983.700	1.0055

XSEC # 22 Run 150C
SZF = 93.610

Log/log Functions (Given Flows):

FLOW = 35.13256 * (Stage - 93.6100) ** 2.54349
STAGE = 0.24677 * Flow ** 0.39316 + 93.6100

GivenFlow	Predicted	Ratio
1601.000	1629.477	0.9825
850.000	856.435	0.9925
350.000	346.777	1.0093
3000.000	2952.618	1.0160

XSEC # 23 Pool 147A
SZF = 92.400

Log/log Functions (Given Flows):

FLOW = 29.51037 * (Stage - 92.4000) ** 2.33058
STAGE = 0.23403 * Flow ** 0.42908 + 92.4000

GivenFlow	Predicted	Ratio
1601.000	1635.636	0.9788
850.000	841.229	1.0104
350.000	350.053	0.9998
3000.000	2966.641	1.0112

XSEC # 24 Pool 147B
SZF = 92.400

Log/log Functions (Given Flows):

FLOW = 28.01876 * (Stage - 92.4000) ** 2.31683
STAGE = 0.23727 * Flow ** 0.43162 + 92.4000

GivenFlow	Predicted	Ratio
1601.000	1618.905	0.9889

850.000	817.989	1.0391
350.000	357.157	0.9800
3000.000	3021.149	0.9930

XSEC # 25 Pool 147C
SZF = 92.400

Log/log Functions (Given Flows):

FLOW = 33.08113 * (Stage - 92.4000) ** 2.24841
STAGE = 0.21094 * Flow ** 0.44476 + 92.4000

GivenFlow	Predicted	Ratio
1601.000	1585.143	1.0100
850.000	860.502	0.9878
350.000	348.544	1.0042
3000.000	3005.529	0.9982

XSEC # 26 Rif 146A
SZF = 93.830

Log/log Functions (Given Flows):

FLOW = 1.27368 * (Stage - 93.8300) ** 4.94363
STAGE = 0.95224 * Flow ** 0.20228 + 93.8300

GivenFlow	Predicted	Ratio
1601.000	1665.946	0.9610
914.000	936.038	0.9765
350.000	342.113	1.0231
3000.000	2880.068	1.0416

XSEC # 27 Rif 74A
SZF = 90.200

Log/log Functions (Given Flows):

FLOW = 19.43610 * (Stage - 90.2000) ** 3.34930
STAGE = 0.41234 * Flow ** 0.29857 + 90.2000

GivenFlow	Predicted	Ratio
1044.000	1027.980	1.0156
800.000	770.248	1.0386
358.000	369.914	0.9678
3000.000	3062.525	0.9796

XSEC # 28 Rif 74B
SZF = 91.120

Log/log Functions (Given Flows):

FLOW = 19.39021 * (Stage - 91.1200) ** 3.23310
STAGE = 0.39971 * Flow ** 0.30930 + 91.1200

GivenFlow	Predicted	Ratio
1204.000	1082.728	1.1120
800.000	751.975	1.0639
358.000	394.867	0.9066

3000.000 3217.709 0.9323

XSEC # 29 Rif 74C
SZF = 91.890

Log/log Functions (Given Flows):

FLOW = 24.42395 * (Stage - 91.8900) ** 3.32812
STAGE = 0.38283 * Flow ** 0.30047 + 91.8900

GivenFlow	Predicted	Ratio
1392.000	1338.367	1.0401
800.000	751.648	1.0643
358.000	379.373	0.9437
3000.000	3133.847	0.9573

XSEC # 30 Rif/Run 72A
SZF = 89.400

Log/log Functions (Given Flows):

FLOW = 34.83870 * (Stage - 89.4000) ** 2.80379
STAGE = 0.28184 * Flow ** 0.35666 + 89.4000

GivenFlow	Predicted	Ratio
1595.000	1514.957	1.0528
800.000	758.242	1.0551
358.000	377.800	0.9476
3000.000	3157.807	0.9500

XSEC # 31 Rif/Run 72B
SZF = 90.630

Log/log Functions (Given Flows):

FLOW = 30.52133 * (Stage - 90.6300) ** 3.13396
STAGE = 0.33596 * Flow ** 0.31909 + 90.6300

GivenFlow	Predicted	Ratio
1595.000	1466.067	1.0879
800.000	760.512	1.0519
358.000	382.178	0.9367
3000.000	3216.105	0.9328

XSEC # 32 Glide 71A
SZF = 92.190

Log/log Functions (Given Flows):

FLOW = 47.13902 * (Stage - 92.1900) ** 3.07208
STAGE = 0.28530 * Flow ** 0.32551 + 92.1900

GivenFlow	Predicted	Ratio
1595.000	1523.644	1.0468
817.000	786.837	1.0383
358.000	372.576	0.9609
3000.000	3133.311	0.9575

XSEC # 33 Glide 71B
SZF = 92.540

Log/log Functions (Given Flows):

FLOW = 61.49137 * (Stage - 92.5400) ** 2.92713
STAGE = 0.24484 * Flow ** 0.34163 + 92.5400

GivenFlow	Predicted	Ratio
1595.000	1639.580	0.9728
817.000	797.524	1.0244
358.000	360.616	0.9927
3000.000	2968.013	1.0108

XSEC # 34 Glide 71C
SZF = 92.540

Log/log Functions (Given Flows):

FLOW = 32.80462 * (Stage - 92.5400) ** 3.31581
STAGE = 0.34899 * Flow ** 0.30159 + 92.5400

GivenFlow	Predicted	Ratio
1595.000	1650.701	0.9663
817.000	840.930	0.9715
358.000	348.828	1.0263
3000.000	2890.332	1.0379

XSEC # 35 Rif/Run 70A
SZF = 92.540

Log/log Functions (Given Flows):

FLOW = 22.59926 * (Stage - 92.5400) ** 3.11637
STAGE = 0.36770 * Flow ** 0.32089 + 92.5400

GivenFlow	Predicted	Ratio
1595.000	1621.375	0.9837
817.000	760.302	1.0746
358.000	373.588	0.9583
3000.000	3038.950	0.9872

XSEC # 36 Rif/Run 70B
SZF = 92.910

Log/log Functions (Given Flows):

FLOW = 5.95144 * (Stage - 92.9100) ** 3.73366
STAGE = 0.62020 * Flow ** 0.26783 + 92.9100

GivenFlow	Predicted	Ratio
1595.000	1541.953	1.0344
817.000	779.298	1.0484
358.000	373.392	0.9588
3000.000	3119.228	0.9618

XSEC # 37 Rif 59A
SZF = 89.550

Log/log Functions (Given Flows):

FLOW = 11.57272 * (Stage - 89.5500) ** 3.48765
STAGE = 0.49555 * Flow ** 0.28673 + 89.5500

GivenFlow	Predicted	Ratio
1604.000	1573.661	1.0193
817.000	784.526	1.0414
358.000	369.726	0.9683
3000.000	3083.415	0.9729

XSEC # 38 Rif 59B
SZF = 90.840

Log/log Functions (Given Flows):

FLOW = 32.49717 * (Stage - 90.8400) ** 3.20724
STAGE = 0.33777 * Flow ** 0.31179 + 90.8400

GivenFlow	Predicted	Ratio
1604.000	1599.865	1.0026
817.000	785.843	1.0396
358.000	367.317	0.9746
3000.000	3047.688	0.9844

XSEC # 39 Rif 59C
SZF = 91.000

Log/log Functions (Given Flows):

FLOW = 10.01743 * (Stage - 91.0000) ** 3.76099
STAGE = 0.54189 * Flow ** 0.26589 + 91.0000

GivenFlow	Predicted	Ratio
1604.000	1690.152	0.9490
817.000	795.456	1.0271
358.000	359.061	0.9970
3000.000	2915.553	1.0290

XSEC # 40 Pool 58a
SZF = 91.870

Log/log Functions (Given Flows):

FLOW = 35.72212 * (Stage - 91.8700) ** 2.96601
STAGE = 0.29952 * Flow ** 0.33715 + 91.8700

GivenFlow	Predicted	Ratio
1604.000	1675.817	0.9571
804.000	798.015	1.0075
358.000	355.532	1.0069
3000.000	2913.048	1.0298

XSEC # 41 Pool 58b
SZF = 91.870

Log/log Functions (Given Flows):

FLOW = 31.81437 * (Stage - 91.8700) ** 2.91177
STAGE = 0.30475 * Flow ** 0.34343 + 91.8700

GivenFlow	Predicted	Ratio
1604.000	1686.171	0.9513
804.000	833.788	0.9643
358.000	346.167	1.0342
3000.000	2845.914	1.0541

XSEC # 42 Pool 58c
SZF = 91.870

Log/log Functions (Given Flows):

FLOW = 29.68825 * (Stage - 91.8700) ** 2.76448
STAGE = 0.29330 * Flow ** 0.36173 + 91.8700

GivenFlow	Predicted	Ratio
1604.000	1642.057	0.9768
804.000	812.152	0.9900
358.000	353.529	1.0126
3000.000	2937.746	1.0212

XSEC # 43 Run 57.5A
SZF = 89.640

Log/log Functions (Given Flows):

FLOW = 42.90719 * (Stage - 89.6400) ** 2.57347
STAGE = 0.23208 * Flow ** 0.38858 + 89.6400

GivenFlow	Predicted	Ratio
1604.000	1660.964	0.9657
806.000	842.384	0.9568
358.000	345.828	1.0352
3000.000	2869.550	1.0455

XSEC # 44 Run 57.5B
SZF = 91.910

Log/log Functions (Given Flows):

FLOW = 30.77734 * (Stage - 91.9100) ** 2.96097
STAGE = 0.31433 * Flow ** 0.33773 + 91.9100

GivenFlow	Predicted	Ratio
1604.000	1553.606	1.0324
806.000	819.910	0.9830
358.000	357.839	1.0004
3000.000	3046.133	0.9849

XSEC # 45 Run 57.5C
SZF = 91.920

Log/log Functions (Given Flows):

FLOW = 17.86740 * (Stage - 91.9200) ** 3.19809
STAGE = 0.40597 * Flow ** 0.31269 + 91.9200

GivenFlow	Predicted	Ratio
1604.000	1565.888	1.0243
806.000	774.663	1.0405
358.000	370.221	0.9670
3000.000	3091.782	0.9703

XSEC # 46 Pool 57a
SZF = 92.170

Log/log Functions (Given Flows):
FLOW = 45.45910 * (Stage - 92.1700) ** 2.68921
STAGE = 0.24188 * Flow ** 0.37186 + 92.1700

GivenFlow	Predicted	Ratio
1604.000	1578.317	1.0163
712.000	697.138	1.0213
358.000	365.116	0.9805
3000.000	3053.124	0.9826

XSEC # 47 Pool 57b
SZF = 92.170

Log/log Functions (Given Flows):
FLOW = 35.04622 * (Stage - 92.1700) ** 2.66863
STAGE = 0.26375 * Flow ** 0.37472 + 92.1700

GivenFlow	Predicted	Ratio
1604.000	1603.626	1.0002
744.000	742.616	1.0019
358.000	358.465	0.9987
3000.000	3002.402	0.9992

XSEC # 48 Pool 57c
SZF = 92.170

Log/log Functions (Given Flows):
FLOW = 35.60751 * (Stage - 92.1700) ** 2.64860
STAGE = 0.25954 * Flow ** 0.37756 + 92.1700

GivenFlow	Predicted	Ratio
1604.000	1583.214	1.0131
810.000	801.261	1.0109
358.000	361.885	0.9893
3000.000	3039.548	0.9870

XSEC # 49 Pool 31a
SZF = 93.570

Log/log Functions (Given Flows):
FLOW = 49.63747 * (Stage - 93.5700) ** 2.54211
STAGE = 0.21524 * Flow ** 0.39337 + 93.5700

GivenFlow	Predicted	Ratio
1595.000	1748.843	0.9120
837.000	838.164	0.9986
355.000	347.461	1.0217
3000.000	2791.579	1.0747

 XSEC # 50 Pool 31b
 SZF = 90.350

Log/log Functions (Given Flows):

FLOW = 58.37399 * (Stage - 90.3500) ** 2.35464
 STAGE = 0.17779 * Flow ** 0.42469 + 90.3500

GivenFlow	Predicted	Ratio
1595.000	1545.087	1.0323
837.000	825.238	1.0143
355.000	361.792	0.9812
3000.000	3082.085	0.9734

 XSEC # 51 Pool 31c
 SZF = 90.350

Log/log Functions (Given Flows):

FLOW = 63.92379 * (Stage - 90.3500) ** 2.25866
 STAGE = 0.15869 * Flow ** 0.44274 + 90.3500

GivenFlow	Predicted	Ratio
1595.000	1522.400	1.0477
837.000	811.209	1.0318
355.000	367.798	0.9652
3000.000	3130.144	0.9584

 XSEC # 52 Run 30a
 SZF = 93.040

Log/log Functions (Given Flows):

FLOW = 94.60862 * (Stage - 93.0400) ** 2.01328
 STAGE = 0.10436 * Flow ** 0.49670 + 93.0400

GivenFlow	Predicted	Ratio
1595.000	1573.056	1.0140
806.000	823.881	0.9783
355.000	351.798	1.0091
3000.000	3002.917	0.9990

 XSEC # 53 Run 30b
 SZF = 93.040

Log/log Functions (Given Flows):

FLOW = 82.68863 * (Stage - 93.0400) ** 2.08510
 STAGE = 0.12034 * Flow ** 0.47959 + 93.0400

GivenFlow	Predicted	Ratio
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1595.000	1591.339	1.0023
806.000	822.821	0.9796
355.000	350.852	1.0118
3000.000	2980.253	1.0066

XSEC # 54 Run 30c
SZF = 94.410

Log/log Functions (Given Flows):

FLOW = 82.49187 * (Stage - 94.4100) ** 2.15732
STAGE = 0.12932 * Flow ** 0.46354 + 94.4100

GivenFlow	Predicted	Ratio
1595.000	1731.343	0.9213
806.000	857.312	0.9401
355.000	336.963	1.0535
3000.000	2737.415	1.0959

XSEC # 55 Pool 29a
SZF = 93.420

Log/log Functions (Given Flows):

FLOW = 34.85494 * (Stage - 93.4200) ** 2.48246
STAGE = 0.23919 * Flow ** 0.40283 + 93.4200

GivenFlow	Predicted	Ratio
1595.000	1581.942	1.0083
806.000	832.273	0.9684
355.000	349.136	1.0168
3000.000	2978.477	1.0072

XSEC # 56 Pool 29b
SZF = 93.420

Log/log Functions (Given Flows):

FLOW = 31.65537 * (Stage - 93.4200) ** 2.46074
STAGE = 0.24561 * Flow ** 0.40638 + 93.4200

GivenFlow	Predicted	Ratio
1595.000	1612.605	0.9891
806.000	856.550	0.9410
355.000	341.862	1.0384
3000.000	2899.442	1.0347

XSEC # 57 Pool 29c
SZF = 93.420

Log/log Functions (Given Flows):

FLOW = 31.19569 * (Stage - 93.4200) ** 2.46756
STAGE = 0.24803 * Flow ** 0.40526 + 93.4200

GivenFlow	Predicted	Ratio
1595.000	1622.705	0.9829

806.000	851.869	0.9462
355.000	342.317	1.0371
3000.000	2893.368	1.0369

XSEC # 58 Rif 28A
SZF = 92.430

Log/log Functions (Given Flows):

FLOW = 13.43359 * (Stage - 92.4300) ** 3.51273
STAGE = 0.47734 * Flow ** 0.28468 + 92.4300

GivenFlow	Predicted	Ratio
1595.000	1572.525	1.0143
806.000	899.924	0.8956
355.000	335.774	1.0573
3000.000	2881.337	1.0412

XSEC # 59 Rif 28B
SZF = 92.800

Log/log Functions (Given Flows):

FLOW = 3.24841 * (Stage - 92.8000) ** 4.30435
STAGE = 0.76055 * Flow ** 0.23232 + 92.8000

GivenFlow	Predicted	Ratio
1595.000	1646.185	0.9689
806.000	805.736	1.0003
355.000	352.028	1.0084
3000.000	2932.217	1.0231

XSEC # 60 Run 26a
SZF = 91.990

Log/log Functions (Given Flows):

FLOW = 13.88588 * (Stage - 91.9900) ** 3.00787
STAGE = 0.41700 * Flow ** 0.33246 + 91.9900

GivenFlow	Predicted	Ratio
1595.000	1545.032	1.0323
817.000	800.876	1.0201
355.000	363.211	0.9774
3000.000	3087.946	0.9715

XSEC # 61 Run 26b
SZF = 91.990

Log/log Functions (Given Flows):

FLOW = 14.54126 * (Stage - 91.9900) ** 2.92051
STAGE = 0.39987 * Flow ** 0.34241 + 91.9900

GivenFlow	Predicted	Ratio
1595.000	1534.859	1.0392
817.000	803.473	1.0168
355.000	363.297	0.9772

3000.000 3097.639 0.9685

XSEC # 62 Run 26c
SZF = 91.990

Log/log Functions (Given Flows):
FLOW = 11.24089 * (Stage - 91.9900) ** 2.92082
STAGE = 0.43676 * Flow ** 0.34237 + 91.9900

GivenFlow	Predicted	Ratio
1595.000	1548.791	1.0298
817.000	796.251	1.0261
355.000	364.282	0.9745
3000.000	3089.240	0.9711

XSEC # 63 Pool 24a
SZF = 93.630

Log/log Functions (Given Flows):
FLOW = 12.68646 * (Stage - 93.6300) ** 2.89476
STAGE = 0.41577 * Flow ** 0.34545 + 93.6300

GivenFlow	Predicted	Ratio
1595.000	1524.862	1.0460
817.000	813.741	1.0040
355.000	361.199	0.9828
3000.000	3096.490	0.9688

XSEC # 64 Pool 24b
SZF = 93.630

Log/log Functions (Given Flows):
FLOW = 10.32114 * (Stage - 93.6300) ** 2.96985
STAGE = 0.45568 * Flow ** 0.33672 + 93.6300

GivenFlow	Predicted	Ratio
1595.000	1596.158	0.9993
817.000	818.284	0.9984
355.000	354.585	1.0012
3000.000	2996.622	1.0011

XSEC # 65 Pool 24c
SZF = 93.630

Log/log Functions (Given Flows):
FLOW = 9.39819 * (Stage - 93.6300) ** 2.99611
STAGE = 0.47340 * Flow ** 0.33377 + 93.6300

GivenFlow	Predicted	Ratio
1595.000	1553.279	1.0269
817.000	828.935	0.9856
355.000	354.824	1.0005
3000.000	3037.730	0.9876

XSEC # 66 Pool 18a
SZF = 93.940

Log/log Functions (Given Flows):

FLOW = 41.90800 * (Stage - 93.9400) ** 2.50416
STAGE = 0.22499 * Flow ** 0.39934 + 93.9400

GivenFlow	Predicted	Ratio
1644.000	1731.945	0.9492
817.000	858.694	0.9514
355.000	341.065	1.0409
3000.000	2820.102	1.0638

XSEC # 67 Pool 18b
SZF = 93.940

Log/log Functions (Given Flows):

FLOW = 41.17467 * (Stage - 93.9400) ** 2.50699
STAGE = 0.22696 * Flow ** 0.39888 + 93.9400

GivenFlow	Predicted	Ratio
1644.000	1777.481	0.9249
817.000	859.326	0.9507
355.000	339.551	1.0455
3000.000	2758.074	1.0877

XSEC # 68 Pool 18c
SZF = 93.940

Log/log Functions (Given Flows):

FLOW = 43.54819 * (Stage - 93.9400) ** 2.42772
STAGE = 0.21130 * Flow ** 0.41191 + 93.9400

GivenFlow	Predicted	Ratio
1644.000	1677.970	0.9798
817.000	843.614	0.9685
355.000	346.591	1.0243
3000.000	2915.605	1.0289

XSEC # 69 Run 10A
SZF = 91.240

Log/log Functions (Given Flows):

FLOW = 51.01704 * (Stage - 91.2400) ** 2.57235
STAGE = 0.21683 * Flow ** 0.38875 + 91.2400

GivenFlow	Predicted	Ratio
1644.000	1668.785	0.9851
731.000	734.371	0.9954
355.000	352.507	1.0071
3000.000	2962.685	1.0126

XSEC # 70 Run 10B
SZF = 91.240

Log/log Functions (Given Flows):

FLOW = 47.61029 * (Stage - 91.2400) ** 2.53702
STAGE = 0.21813 * Flow ** 0.39416 + 91.2400

GivenFlow	Predicted	Ratio
1644.000	1644.761	0.9995
731.000	740.714	0.9869
355.000	351.914	1.0088
3000.000	2985.239	1.0049

XSEC # 71 Run 10c
SZF = 91.240

Log/log Functions (Given Flows):

FLOW = 42.94876 * (Stage - 91.2400) ** 2.53358
STAGE = 0.22671 * Flow ** 0.39470 + 91.2400

GivenFlow	Predicted	Ratio
1644.000	1629.317	1.0090
731.000	748.691	0.9764
355.000	350.449	1.0130
3000.000	2993.902	1.0020

Copco No.2 Bypass - Klamath River Project

Stage/Flow Regression Statistics

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XS  Name          N      A      B  MeanErr(%)  Variance  Std.Dev
1   Pool 2A        3   56.4491  2.4373   4.2734    5.7166   2.39094
2   Pool 2B        3   56.6799  2.3167   0.3282    0.0260   0.16127
3   Pool 2C        3   48.3678  2.3004   0.5011    0.0637   0.25232
4   Pow 6A         3   49.2111  2.5665   0.0799    0.0016   0.03971
5   Pow 6B         3    6.2025  3.2999   1.3888    0.5145   0.71727
6   Pow 6C         3   15.2233  2.9097   5.7588   11.2450   3.35335
7   Run 7A         3   19.6376  2.5954   4.8583    7.6262   2.76156
8   Run 7B         3   15.0554  2.6474   2.7844    2.2369   1.49563
9   Run 7C         3   14.2282  2.5302   2.9898    2.6085   1.61509
10  Pool 11A        3   29.7690  2.3946   2.0176    0.8892   0.94296
11  Pool 11B        3   26.0900  2.4184   0.4979    0.0628   0.25065
12  Pool 11C        3   28.2529  2.3008   0.8851    0.1830   0.42782
13  Run 51A         3  107.7282  2.4065   1.1331    0.3315   0.57577
14  Run 51B         3  102.5684  2.2940   3.2070    2.0644   1.43680
15  Run 51C         3   95.5349  2.2798   0.3284    0.0266   0.16315
16  Lgr 52          3   82.0405  2.3475   2.6196    1.9235   1.38690
17  Mgr 54          3   56.4249  2.3243   0.2677    0.0171   0.13071
18  Pow 55A         3   26.1036  2.5954   2.4580    1.2679   1.12603
19  Pow 55B         3   61.7425  2.1373   2.9547    1.7788   1.33372
20  Pow 58A         3   39.6400  2.3793   1.2689    0.4189   0.64719
21  Pow 58B         3   60.1318  2.1392   5.0547    4.5861   2.14151
22  Pool 60A        3   15.8980  2.8065   1.6467    0.7206   0.84886
23  Pool 60B        3   17.9716  2.5689   1.5822    0.6630   0.81423
24  Pool 60C        3   17.9716  2.5689   1.5822    0.6630   0.81423
25  Run 63A         3   18.9078  2.7742   3.6086    2.7020   1.64376
26  Run 63B         3    7.7566  2.9785   2.3064    1.5390   1.24055
27  Run 63C         3   19.5750  2.6127   4.6535    7.0772   2.66030
28  Run 63D         3   39.5330  2.2756   0.5347    0.0752   0.27422
-----

```

REGRESSION RESULTS:

XSEC # 1 Pool 2A
SZF = 93.960

Log/log Functions (Given Flows):

$$\text{FLOW} = 56.44913 * (\text{Stage} - 93.9600) ** 2.43733$$

$$\text{STAGE} = 0.19113 * \text{Flow} ** 0.41029 + 93.9600$$

GivenFlow	Predicted	Ratio
178.000	174.795	1.0183
629.000	670.342	0.9383
1200.000	1146.635	1.0465

XSEC # 2 Pool 2B
SZF = 93.960

Log/log Functions (Given Flows):

$$\text{FLOW} = 56.67991 * (\text{Stage} - 93.9600) ** 2.31668$$

$$\text{STAGE} = 0.17504 * \text{Flow} ** 0.43165 + 93.9600$$

GivenFlow	Predicted	Ratio
178.000	178.301	0.9983

629.000 625.909 1.0049
1200.000 1203.893 0.9968

XSEC # 3 Pool 2C
SZF = 93.960

Log/log Functions (Given Flows):
FLOW = 48.36784 * (Stage - 93.9600) ** 2.30041
STAGE = 0.18523 * Flow ** 0.43471 + 93.9600

GivenFlow	Predicted	Ratio
178.000	177.557	1.0025
629.000	633.741	0.9925
1200.000	1193.997	1.0050

XSEC # 4 Pow 6A
SZF = 93.640

Log/log Functions (Given Flows):
FLOW = 49.21114 * (Stage - 93.6400) ** 2.56653
STAGE = 0.21914 * Flow ** 0.38963 + 93.6400

GivenFlow	Predicted	Ratio
178.000	177.928	1.0004
629.000	629.754	0.9988
1200.000	1199.049	1.0008

XSEC # 5 Pow 6B
SZF = 93.680

Log/log Functions (Given Flows):
FLOW = 6.20254 * (Stage - 93.6800) ** 3.29988
STAGE = 0.57520 * Flow ** 0.30304 + 93.6800

GivenFlow	Predicted	Ratio
178.000	176.815	1.0067
629.000	642.210	0.9794
1200.000	1183.195	1.0142

XSEC # 6 Pow 6C
SZF = 94.640

Log/log Functions (Given Flows):
FLOW = 15.22330 * (Stage - 94.6400) ** 2.90973
STAGE = 0.39229 * Flow ** 0.34367 + 94.6400

GivenFlow	Predicted	Ratio
178.000	173.989	1.0231
629.000	685.209	0.9180
1200.000	1126.960	1.0648

XSEC # 7 Run 7A

SZF = 93.420

Log/log Functions (Given Flows):

FLOW = 19.63759 * (Stage - 93.4200) ** 2.59545
STAGE = 0.31753 * Flow ** 0.38529 + 93.4200

GivenFlow	Predicted	Ratio
178.000	174.459	1.0203
629.000	676.165	0.9302
1200.000	1138.956	1.0536

XSEC # 8 Run 7B
SZF = 93.420

Log/log Functions (Given Flows):

FLOW = 15.05544 * (Stage - 93.4200) ** 2.64744
STAGE = 0.35905 * Flow ** 0.37772 + 93.4200

GivenFlow	Predicted	Ratio
178.000	175.764	1.0127
629.000	655.702	0.9593
1200.000	1165.778	1.0294

XSEC # 9 Run 7C
SZF = 93.420

Log/log Functions (Given Flows):

FLOW = 14.22821 * (Stage - 93.4200) ** 2.53017
STAGE = 0.35014 * Flow ** 0.39523 + 93.4200

GivenFlow	Predicted	Ratio
178.000	175.621	1.0135
629.000	657.707	0.9564
1200.000	1163.171	1.0317

XSEC # 10 Pool 11A
SZF = 95.460

Log/log Functions (Given Flows):

FLOW = 29.76899 * (Stage - 95.4600) ** 2.39460
STAGE = 0.24241 * Flow ** 0.41761 + 95.4600

GivenFlow	Predicted	Ratio
178.000	179.973	0.9890
629.000	610.186	1.0308
1200.000	1223.439	0.9808

XSEC # 11 Pool 11B
SZF = 95.460

Log/log Functions (Given Flows):

FLOW = 26.08998 * (Stage - 95.4600) ** 2.41838
STAGE = 0.25959 * Flow ** 0.41350 + 95.4600

GivenFlow	Predicted	Ratio
178.000	177.559	1.0025
629.000	633.711	0.9926
1200.000	1194.037	1.0050

 XSEC # 12 Pool 11C
 SZF = 95.460

Log/log Functions (Given Flows):
 FLOW = 28.25291 * (Stage - 95.4600) ** 2.30078
 STAGE = 0.23405 * Flow ** 0.43464 + 95.4600

GivenFlow	Predicted	Ratio
178.000	178.829	0.9954
629.000	620.692	1.0134
1200.000	1210.426	0.9914

 XSEC # 13 Run 51A
 SZF = 95.300

Log/log Functions (Given Flows):
 FLOW = 107.72820 * (Stage - 95.3000) ** 2.40646
 STAGE = 0.14304 * Flow ** 0.41555 + 95.3000

GivenFlow	Predicted	Ratio
168.000	167.060	1.0056
610.000	620.437	0.9832
1200.000	1186.452	1.0114

 XSEC # 14 Run 51B
 SZF = 95.300

Log/log Functions (Given Flows):
 FLOW = 102.56840 * (Stage - 95.3000) ** 2.29403
 STAGE = 0.13285 * Flow ** 0.43591 + 95.3000

GivenFlow	Predicted	Ratio
168.000	171.131	0.9817
610.000	581.198	1.0496
1200.000	1236.429	0.9705

 XSEC # 15 Run 51C
 SZF = 95.300

Log/log Functions (Given Flows):
 FLOW = 95.53494 * (Stage - 95.3000) ** 2.27983
 STAGE = 0.13535 * Flow ** 0.43863 + 95.3000

GivenFlow	Predicted	Ratio
168.000	167.719	1.0017
610.000	613.010	0.9951
1200.000	1196.109	1.0033

XSEC # 16 Lgr 52
SZF = 93.700

Log/log Functions (Given Flows):

FLOW = 82.04054 * (Stage - 93.7000) ** 2.34751
STAGE = 0.15299 * Flow ** 0.42598 + 93.7000

GivenFlow	Predicted	Ratio
168.000	165.956	1.0123
610.000	634.338	0.9616
1200.000	1168.172	1.0272

XSEC # 17 Mgr 54
SZF = 93.470

Log/log Functions (Given Flows):

FLOW = 56.42487 * (Stage - 93.4700) ** 2.32435
STAGE = 0.17639 * Flow ** 0.43023 + 93.4700

GivenFlow	Predicted	Ratio
168.000	168.235	0.9986
610.000	607.554	1.0040
1200.000	1203.151	0.9974

XSEC # 18 Pow 55A
SZF = 94.130

Log/log Functions (Given Flows):

FLOW = 26.10356 * (Stage - 94.1300) ** 2.59538
STAGE = 0.28454 * Flow ** 0.38530 + 94.1300

GivenFlow	Predicted	Ratio
168.000	170.336	0.9863
610.000	587.828	1.0377
1200.000	1228.183	0.9771

XSEC # 19 Pow 55B
SZF = 94.750

Log/log Functions (Given Flows):

FLOW = 61.74252 * (Stage - 94.7500) ** 2.13732
STAGE = 0.14529 * Flow ** 0.46788 + 94.7500

GivenFlow	Predicted	Ratio
168.000	170.859	0.9833
610.000	583.424	1.0456
1200.000	1233.668	0.9727

XSEC # 20 Pow 58A
SZF = 94.960

Log/log Functions (Given Flows):

FLOW = 39.63996 * (Stage - 94.9600) ** 2.37934
STAGE = 0.21298 * Flow ** 0.42028 + 94.9600

GivenFlow	Predicted	Ratio
168.000	166.953	1.0063
610.000	621.697	0.9812
1200.000	1184.807	1.0128

XSEC # 21 Pow 58B
SZF = 95.430

Log/log Functions (Given Flows):
FLOW = 60.13177 * (Stage - 95.4300) ** 2.13922
STAGE = 0.14735 * Flow ** 0.46746 + 95.4300

GivenFlow	Predicted	Ratio
168.000	173.261	0.9696
610.000	565.088	1.0795
1200.000	1256.038	0.9554

XSEC # 22 Pool 60A
SZF = 92.380

Log/log Functions (Given Flows):
FLOW = 15.89796 * (Stage - 92.3800) ** 2.80655
STAGE = 0.37321 * Flow ** 0.35631 + 92.3800

GivenFlow	Predicted	Ratio
168.000	166.663	1.0080
610.000	625.212	0.9757
1200.000	1180.198	1.0168

XSEC # 23 Pool 60B
SZF = 92.380

Log/log Functions (Given Flows):
FLOW = 17.97158 * (Stage - 92.3800) ** 2.56887
STAGE = 0.32480 * Flow ** 0.38928 + 92.3800

GivenFlow	Predicted	Ratio
168.000	166.712	1.0077
610.000	624.611	0.9766
1200.000	1180.985	1.0161

XSEC # 24 Pool 60C
SZF = 92.380

Log/log Functions (Given Flows):
FLOW = 17.97158 * (Stage - 92.3800) ** 2.56887
STAGE = 0.32480 * Flow ** 0.38928 + 92.3800

GivenFlow	Predicted	Ratio
168.000	166.712	1.0077

610.000	624.611	0.9766
1200.000	1180.985	1.0161

XSEC # 25 Run 63A
SZF = 94.920

Log/log Functions (Given Flows):
FLOW = 18.90783 * (Stage - 94.9200) ** 2.77425
STAGE = 0.34660 * Flow ** 0.36046 + 94.9200

GivenFlow	Predicted	Ratio
151.000	154.046	0.9802
610.000	577.669	1.0560
1200.000	1242.104	0.9661

XSEC # 26 Run 63B
SZF = 94.970

Log/log Functions (Given Flows):
FLOW = 7.75656 * (Stage - 94.9700) ** 2.97850
STAGE = 0.50269 * Flow ** 0.33574 + 94.9700

GivenFlow	Predicted	Ratio
151.000	149.446	1.0104
610.000	631.391	0.9661
1200.000	1171.400	1.0244

XSEC # 27 Run 63C
SZF = 96.000

Log/log Functions (Given Flows):
FLOW = 19.57505 * (Stage - 96.0000) ** 2.61269
STAGE = 0.32033 * Flow ** 0.38275 + 96.0000

GivenFlow	Predicted	Ratio
151.000	148.172	1.0191
610.000	653.763	0.9331
1200.000	1141.040	1.0517

XSEC # 28 Run 63D
SZF = 96.730

Log/log Functions (Given Flows):
FLOW = 39.53299 * (Stage - 96.7300) ** 2.27563
STAGE = 0.19872 * Flow ** 0.43944 + 96.7300

GivenFlow	Predicted	Ratio
151.000	150.613	1.0026
610.000	614.908	0.9920
1200.000	1193.481	1.0055

Fall Creek Bypass - Klamath River Project

Stage/Flow Regression Statistics

XS	Name	N	A	B	MeanErr(%)	Variance	Std.Dev
1	Rif 31A	3	8.8525	3.0665	1.0643	0.2055	0.45335
2	Rif 31B	3	23.0832	2.6811	1.1063	0.2435	0.49349
3	Run 33A	3	11.5874	2.2034	0.9182	0.1538	0.39220
4	Run 33B	3	12.0834	2.1533	2.1628	0.8141	0.90229
5	Pool 39A	3	29.7806	3.2048	0.9245	0.1559	0.39488
6	Pool 39B	3	28.1904	3.2209	1.4937	0.3980	0.63089
7	Pool 39C	3	19.4146	2.9903	2.0275	0.7189	0.84790
8	Rif 86A	3	10.7754	2.8781	0.3782	0.0288	0.16966
9	Rif 86B	3	24.9267	2.3267	1.8809	0.7133	0.84459
10	Pool 90A	3	15.8122	2.8922	2.1812	0.9622	0.98090
11	Pool 90B	3	14.3567	2.7479	0.0276	0.0001	0.01199
12	Pool 90C	3	13.1699	2.6586	2.3983	1.1727	1.08290
13	Rif 165A	3	9.0946	1.7440	2.6274	1.2141	1.10187
14	Rif 165B	3	13.6530	1.9177	7.9352	8.8405	2.97330
15	Rif 165C	3	16.6916	1.9323	0.8407	0.1349	0.36729
16	Pool 168A	3	16.3919	2.0080	5.9084	5.3132	2.30504
17	Pool 168B	3	15.9624	2.0560	4.3602	3.0932	1.75876
18	Pool 168C	3	15.1525	2.0811	3.4057	1.9693	1.40332
19	Run 172A	3	33.4380	2.8491	1.9777	0.7087	0.84182
20	Run 172B	3	27.7129	2.7700	2.5384	1.1379	1.06671
21	Run 172C	3	20.3520	2.5083	3.0781	2.1649	1.47135
22	Rif 175A	3	23.2858	3.5647	0.0113	0.0000	0.00502
23	Rif 175B	3	69.9604	4.4316	1.5362	0.5026	0.70895
24	Pool 179A	3	9.6800	3.0391	0.8971	0.1532	0.39146
25	Pool 179B	3	8.9505	2.9324	1.2207	0.2795	0.52872
26	Pool 179C	3	8.7742	2.9000	1.8904	0.6501	0.80629
27	Run 184A	3	7.7283	3.0971	1.7872	0.7421	0.86147
28	Run 184B	3	8.0281	2.5938	2.9515	2.1437	1.46412

REGRESSION RESULTS:

XSEC # 1 Rif 31A
SZF = 96.510

Log/log Functions (Given Flows):

$$\text{FLOW} = 8.85249 * (\text{Stage} - 96.5100) ** 3.06648$$

$$\text{STAGE} = 0.49108 * \text{Flow} ** 0.32611 + 96.5100$$

GivenFlow	Predicted	Ratio
11.760	11.858	0.9918
5.270	5.186	1.0161
2.130	2.147	0.9923

XSEC # 2 Rif 31B
SZF = 97.370

Log/log Functions (Given Flows):

$$\text{FLOW} = 23.08318 * (\text{Stage} - 97.3700) ** 2.68114$$

$$\text{STAGE} = 0.31012 * \text{Flow} ** 0.37298 + 97.3700$$

GivenFlow	Predicted	Ratio
11.760	11.654	1.0091

5.270 5.358 0.9836
2.130 2.114 1.0076

XSEC # 3 Run 33A
SZF = 97.240

Log/log Functions (Given Flows):
FLOW = 11.58745 * (Stage - 97.2400) ** 2.20338
STAGE = 0.32894 * Flow ** 0.45385 + 97.2400

GivenFlow	Predicted	Ratio
11.760	11.844	0.9929
5.270	5.198	1.0139
2.130	2.144	0.9934

XSEC # 4 Run 33B
SZF = 97.360

Log/log Functions (Given Flows):
FLOW = 12.08336 * (Stage - 97.3600) ** 2.15334
STAGE = 0.31437 * Flow ** 0.46439 + 97.3600

GivenFlow	Predicted	Ratio
11.760	11.954	0.9838
5.270	5.101	1.0331
2.130	2.165	0.9839

XSEC # 5 Pool 39A
SZF = 97.630

Log/log Functions (Given Flows):
FLOW = 29.78055 * (Stage - 97.6300) ** 3.20477
STAGE = 0.34680 * Flow ** 0.31203 + 97.6300

GivenFlow	Predicted	Ratio
11.760	11.845	0.9928
5.270	5.197	1.0140
2.130	2.144	0.9933

XSEC # 6 Pool 39B
SZF = 97.630

Log/log Functions (Given Flows):
FLOW = 28.19045 * (Stage - 97.6300) ** 3.22088
STAGE = 0.35463 * Flow ** 0.31047 + 97.6300

GivenFlow	Predicted	Ratio
11.760	11.896	0.9886
5.270	5.153	1.0227
2.130	2.154	0.9891

XSEC # 7 Pool 39C

SZF = 97.630

Log/log Functions (Given Flows):

FLOW = 19.41460 * (Stage - 97.6300) ** 2.99027
STAGE = 0.37087 * Flow ** 0.33442 + 97.6300

GivenFlow	Predicted	Ratio
11.760	11.942	0.9848
5.270	5.112	1.0310
2.130	2.163	0.9850

XSEC # 8 Rif 86A
SZF = 97.840

Log/log Functions (Given Flows):

FLOW = 10.77539 * (Stage - 97.8400) ** 2.87815
STAGE = 0.43781 * Flow ** 0.34745 + 97.8400

GivenFlow	Predicted	Ratio
10.750	10.775	0.9976
4.210	4.186	1.0057
2.130	2.137	0.9967

XSEC # 9 Rif 86B
SZF = 98.280

Log/log Functions (Given Flows):

FLOW = 24.92674 * (Stage - 98.2800) ** 2.32674
STAGE = 0.25103 * Flow ** 0.42979 + 98.2800

GivenFlow	Predicted	Ratio
10.750	10.871	0.9889
4.210	4.092	1.0287
2.130	2.167	0.9830

XSEC # 10 Pool 90A
SZF = 96.820

Log/log Functions (Given Flows):

FLOW = 15.81218 * (Stage - 96.8200) ** 2.89216
STAGE = 0.38498 * Flow ** 0.34576 + 96.8200

GivenFlow	Predicted	Ratio
10.750	10.570	1.0170
4.210	4.349	0.9679
1.700	1.674	1.0158

XSEC # 11 Pool 90B
SZF = 96.820

Log/log Functions (Given Flows):

FLOW = 14.35665 * (Stage - 96.8200) ** 2.74786
STAGE = 0.37925 * Flow ** 0.36392 + 96.8200

GivenFlow	Predicted	Ratio
10.750	10.748	1.0002
4.210	4.212	0.9996
1.700	1.700	1.0002

 XSEC # 12 Pool 90C
 SZF = 96.820

Log/log Functions (Given Flows):
 FLOW = 13.16994 * (Stage - 96.8200) ** 2.65858
 STAGE = 0.37921 * Flow ** 0.37614 + 96.8200

GivenFlow	Predicted	Ratio
10.750	10.551	1.0188
4.210	4.363	0.9648
1.700	1.671	1.0173

 XSEC # 13 Rif 165A
 SZF = 97.570

Log/log Functions (Given Flows):
 FLOW = 9.09455 * (Stage - 97.5700) ** 1.74404
 STAGE = 0.28200 * Flow ** 0.57338 + 97.5700

GivenFlow	Predicted	Ratio
10.510	10.739	0.9787
3.770	3.624	1.0404
0.970	0.988	0.9821

 XSEC # 14 Rif 165B
 SZF = 97.780

Log/log Functions (Given Flows):
 FLOW = 13.65302 * (Stage - 97.7800) ** 1.91775
 STAGE = 0.25588 * Flow ** 0.52145 + 97.7800

GivenFlow	Predicted	Ratio
10.510	11.155	0.9422
3.770	3.341	1.1283
0.970	1.031	0.9407

 XSEC # 15 Rif 165C
 SZF = 97.950

Log/log Functions (Given Flows):
 FLOW = 16.69161 * (Stage - 97.9500) ** 1.93230
 STAGE = 0.23299 * Flow ** 0.51752 + 97.9500

GivenFlow	Predicted	Ratio
10.510	10.585	0.9929
3.770	3.723	1.0127
0.970	0.975	0.9945

XSEC # 16 Pool 168A
SZF = 97.970

Log/log Functions (Given Flows):
FLOW = 16.39187 * (Stage - 97.9700) ** 2.00799
STAGE = 0.24837 * Flow ** 0.49801 + 97.9700

GivenFlow	Predicted	Ratio
10.510	11.004	0.9551
3.770	3.447	1.0937
0.970	1.013	0.9574

XSEC # 17 Pool 168B
SZF = 97.970

Log/log Functions (Given Flows):
FLOW = 15.96239 * (Stage - 97.9700) ** 2.05602
STAGE = 0.25992 * Flow ** 0.48638 + 97.9700

GivenFlow	Predicted	Ratio
10.510	10.882	0.9658
3.770	3.530	1.0681
0.970	1.001	0.9694

XSEC # 18 Pool 168C
SZF = 97.970

Log/log Functions (Given Flows):
FLOW = 15.15245 * (Stage - 97.9700) ** 2.08107
STAGE = 0.27086 * Flow ** 0.48052 + 97.9700

GivenFlow	Predicted	Ratio
10.510	10.804	0.9728
3.770	3.581	1.0527
0.970	0.993	0.9765

XSEC # 19 Run 172A
SZF = 97.490

Log/log Functions (Given Flows):
FLOW = 33.43801 * (Stage - 97.4900) ** 2.84907
STAGE = 0.29175 * Flow ** 0.35099 + 97.4900

GivenFlow	Predicted	Ratio
10.510	10.684	0.9837
3.770	3.659	1.0302
0.970	0.983	0.9867

XSEC # 20 Run 172B
SZF = 97.490

Log/log Functions (Given Flows):

FLOW = 27.71292 * (Stage - 97.4900) ** 2.77000
STAGE = 0.30142 * Flow ** 0.36101 + 97.4900

GivenFlow	Predicted	Ratio
10.510	10.732	0.9793
3.770	3.629	1.0390
0.970	0.987	0.9828

XSEC # 21 Run 172C
SZF = 97.640

Log/log Functions (Given Flows):
FLOW = 20.35202 * (Stage - 97.6400) ** 2.50826
STAGE = 0.30080 * Flow ** 0.39868 + 97.6400

GivenFlow	Predicted	Ratio
10.510	10.225	1.0279
3.770	3.947	0.9551
0.970	0.952	1.0186

XSEC # 22 Rif 175A
SZF = 97.640

Log/log Functions (Given Flows):
FLOW = 23.28583 * (Stage - 97.6400) ** 3.56468
STAGE = 0.41351 * Flow ** 0.28053 + 97.6400

GivenFlow	Predicted	Ratio
10.510	10.511	0.9999
3.770	3.769	1.0002
0.970	0.970	0.9999

XSEC # 23 Rif 175B
SZF = 97.890

Log/log Functions (Given Flows):
FLOW = 69.96039 * (Stage - 97.8900) ** 4.43156
STAGE = 0.38344 * Flow ** 0.22565 + 97.8900

GivenFlow	Predicted	Ratio
10.510	10.370	1.0135
3.770	3.858	0.9773
0.970	0.961	1.0096

XSEC # 24 Pool 179A
SZF = 95.110

Log/log Functions (Given Flows):
FLOW = 9.68000 * (Stage - 95.1100) ** 3.03913
STAGE = 0.47381 * Flow ** 0.32904 + 95.1100

GivenFlow	Predicted	Ratio
10.510	10.590	0.9925

3.770 3.720 1.0136
0.970 0.976 0.9941

XSEC # 25 Pool 179B
SZF = 95.110

Log/log Functions (Given Flows):
FLOW = 8.95047 * (Stage - 95.1100) ** 2.93245
STAGE = 0.47360 * Flow ** 0.34101 + 95.1100

GivenFlow	Predicted	Ratio
10.510	10.618	0.9898
3.770	3.701	1.0185
0.970	0.978	0.9919

XSEC # 26 Pool 179C
SZF = 95.110

Log/log Functions (Given Flows):
FLOW = 8.77424 * (Stage - 95.1100) ** 2.89996
STAGE = 0.47288 * Flow ** 0.34483 + 95.1100

GivenFlow	Predicted	Ratio
10.510	10.676	0.9844
3.770	3.664	1.0289
0.970	0.982	0.9873

XSEC # 27 Run 184A
SZF = 95.380

Log/log Functions (Given Flows):
FLOW = 7.72826 * (Stage - 95.3800) ** 3.09711
STAGE = 0.51672 * Flow ** 0.32288 + 95.3800

GivenFlow	Predicted	Ratio
9.140	8.989	1.0168
3.770	3.872	0.9736
0.970	0.960	1.0101

XSEC # 28 Run 184B
SZF = 95.460

Log/log Functions (Given Flows):
FLOW = 8.02809 * (Stage - 95.4600) ** 2.59382
STAGE = 0.44796 * Flow ** 0.38553 + 95.4600

GivenFlow	Predicted	Ratio
9.140	8.888	1.0284
3.770	3.940	0.9569
0.970	0.955	1.0162

