

Appendix A

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION STATIONING	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQ.FEET)	MEAN VELOCITY (FEET/SEC.)	REGULATORY (FEET NAVD88)	WITHOUT FLOODWAY (FEET NAVD88)	WITH FLOODWAY (FEET NAVD88)	INCREASE (FEET)
U/N Trib to Little Baraboo River								
6459	-646	232	748	0.5	1069.4	1069.4	1069.4	0.0
6302	-489	283	2201	0.2	1069.4	1069.4	1069.4	0.0
6145	-332	410	3697	0.1	1069.4	1069.4	1069.4	0.0
5988	-175	473	5640	0.1	1069.4	1069.4	1069.4	0.0
5869	-56	490	7028	0.1	1069.4	1069.4	1069.4	0.0
5806	Sensnovis Dam							
5746	68	219	627	4.5	1051.3	1051.3	1051.3	0.0
5722	93	185	377	1.9	1049.4	1049.4	1049.4	0.0
5099	715	144	234	12	1035.8	1035.8	1035.8	0.0
4469	1345	141	261	11.7	1022.1	1022.1	1022.1	0.0
3939	1876	109	224	13.6	1011.4	1011.4	1011.4	0.0
3653	2162	162	292	10.6	1006.4	1006.4	1006.4	0.0
3376	2439	159	277	8.8	1001.7	1001.7	1001.7	0.0
2322	3493	222	369	7.8	987.3	987.3	987.3	0.0
1536	4279	131	223	11.8	975.6	975.6	975.6	0.0
890	4925	167	393	6.5	967.3	967.3	967.3	0.0
354	5461	330	1527	2.1	966.3	966.3	966.3	0.0
303	CTH G							
247	5724	367	1486	1.1	960.6	960.6	960.6	0.0
99	5952	202	261	11.7	956.6	956.6	956.6	0.0
19	6036	358	1024	0.1	956.3	956.3	956.3	0.0
-87	6142	283	763	0.2	956.3	956.3	956.3	0.0
-230	6285	250	637	6.7	955.4	955.4	955.4	0.0
-322	6406	204	623	7	955	955	955	0.0

1 Distance to/from upstream face of the dam

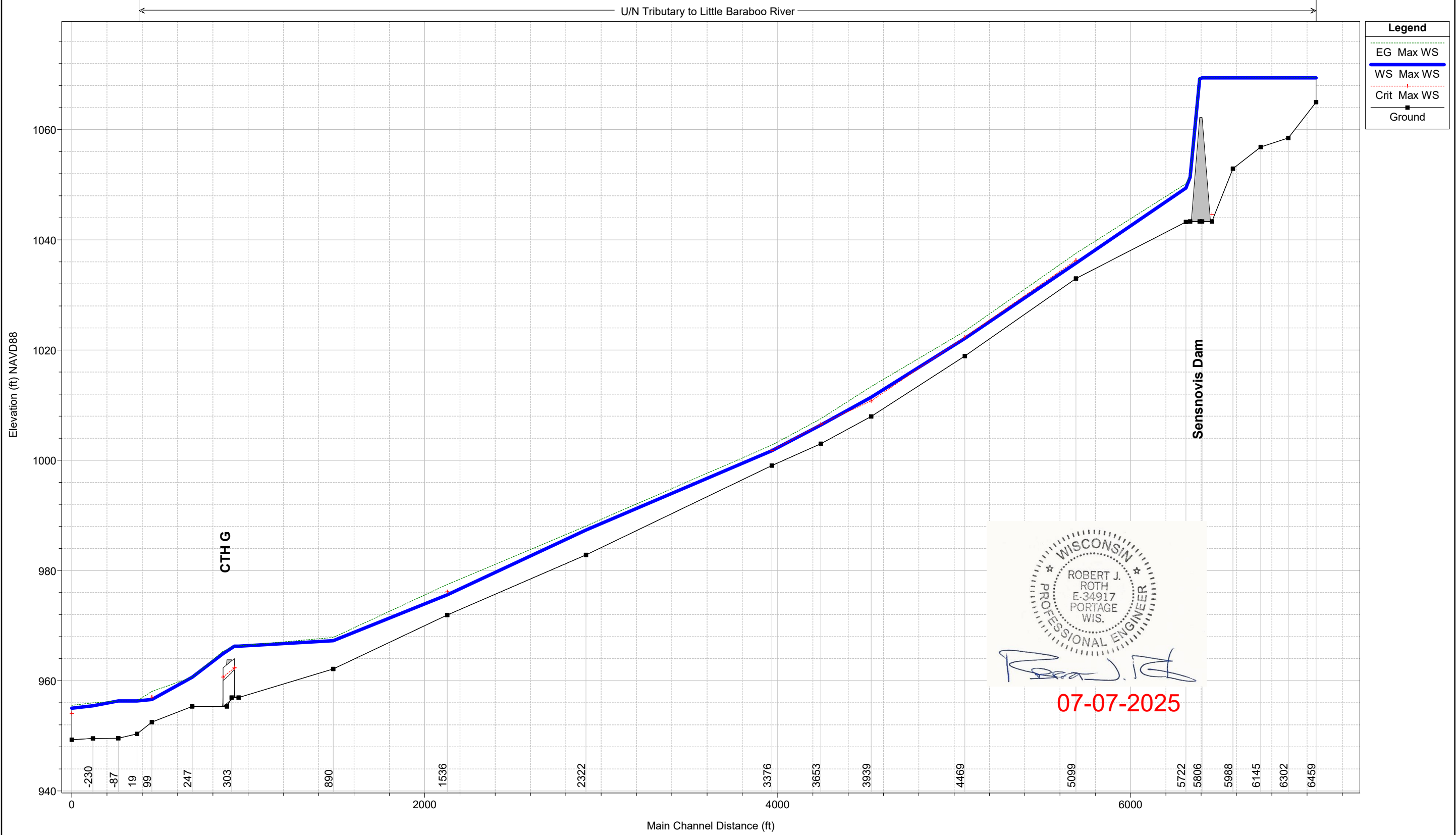
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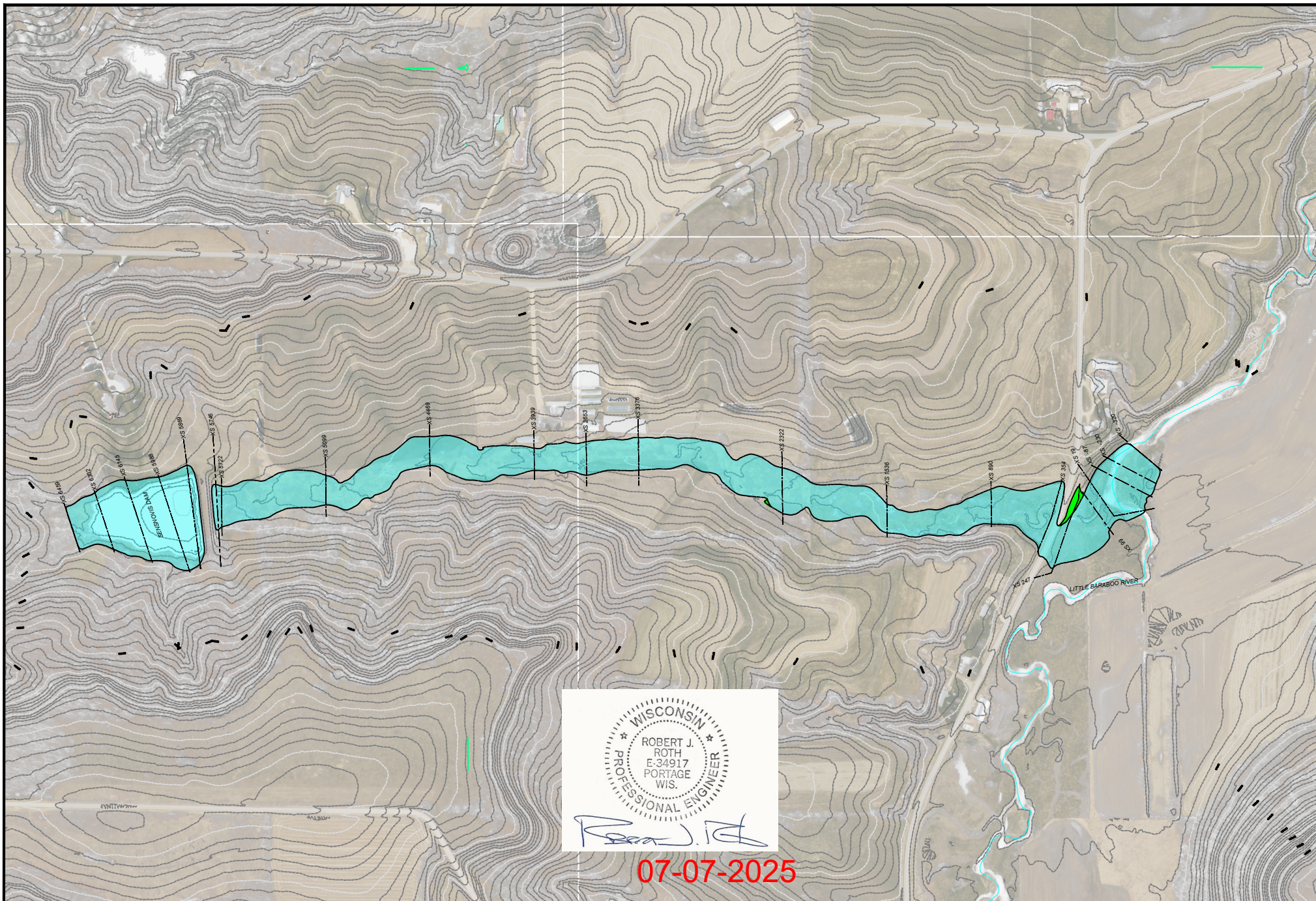
Date: 7/7/2025

TABLE 1	SAUK COUNTY, WI AND INCORPORATED AREAS	SENSNOVIS DAM HYDRAULIC SHADOW FLOODWAY DATA
		U/N TRIBUTARY TO BARABOO RIVER

Sensnovis Dam Hydraulic Shadow Profile

Date: 7/7/2025





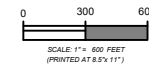
 flood fringe
 Floodway

HYDRAULIC-SHADOW-MAP

SENSNOVIS-DAM

U/N Tributary to Little Baraboo River

LA-VALLE-WI



PROJECT NO: PROJECT_NO:

DATE: 7/7/2025

DESIGNED BY: RJR

DRAWN BY: KG

SHEET: M-1