

Appendix E

Johnston Island 2D WUA and Suitability Maps

Chase Island 2D WUA and Suitability Maps

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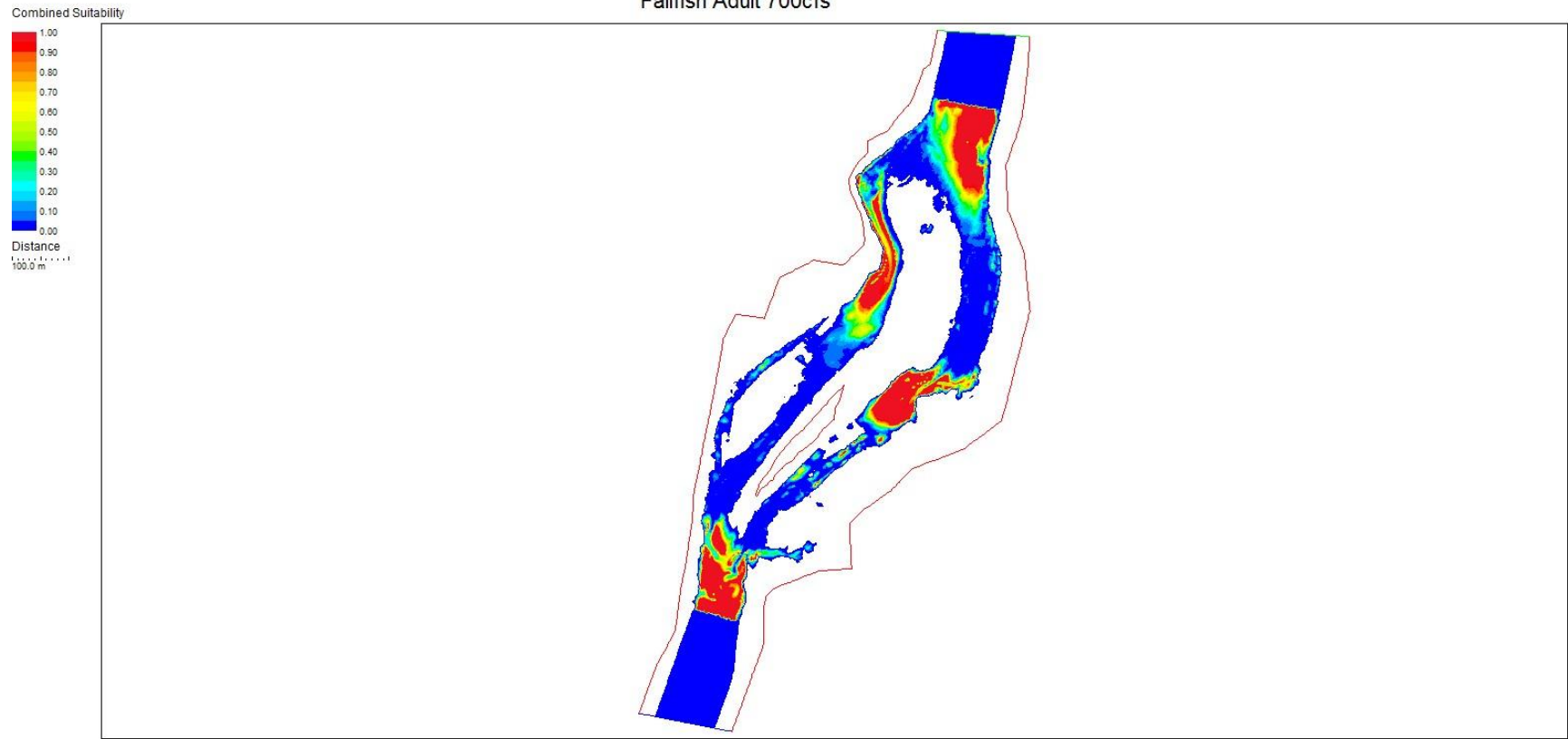
Johnston Island 2D Site WUA (m²)

Flow(cfs)	Walleye				Fallfish				White Sucker		
	Fry	Juvenile	Adult	Spawning	Fry	Juvenile	Adult	Spawning	Fry	Adult/ Juvenile	Spawning
700	940	1,209	7,201	10,311	28,002	39,248	39,782	18,360	37,516	18,319	12,148
1200	1,242	1,012	4,580	18,011	26,870	41,365	38,530	19,208	25,782	13,281	12,781
2200	2,031	1,281	4,980	42,245	23,910	44,909	36,262	21,201	22,025	9,873	14,344
3200	3,609	1,579	5,083	58,950	19,105	36,806	29,835	17,221	21,243	6,565	10,654
4200	2,330	1,637	5,448	72,736	16,470	31,279	27,493	13,460	20,819	6,622	7,730
5200	1,872	1,461	4,732	78,892	13,800	26,641	25,651	10,369	19,241	7,299	5,120
6200	1,460	1,325	4,090	79,385	11,854	22,596	23,605	8,487	17,235	6,939	3,316
7200	1,949	1,533	4,590	75,934	10,276	19,167	22,187	7,236	16,585	6,406	2,372
8200	2,140	1,544	4,353	67,049	9,127	15,614	20,579	6,016	16,205	6,077	1,740
9200	2,197	1,547	4,238	61,169	8,573	13,667	20,234	5,312	15,950	6,280	1,474
10200	2,305	1,648	4,406	49,856	7,873	12,004	19,921	4,751	16,357	6,729	1,269
11200	2,550	1,823	4,820	42,808	7,089	10,781	19,964	4,250	16,519	7,219	1,091
13000	2,307	1,804	5,124	28,318	5,759	9,118	20,578	3,329	16,589	8,493	650
15000	2,032	1,918	5,949	22,498	4,372	7,493	21,431	2,283	16,356	9,833	520
20000	1,775	2,218	8,401	9,116	3,073	5,922	23,210	1,638	17,922	11,621	648
25000	1,309	1,947	9,095	3,778	2,370	4,781	24,168	1,328	19,081	13,248	638

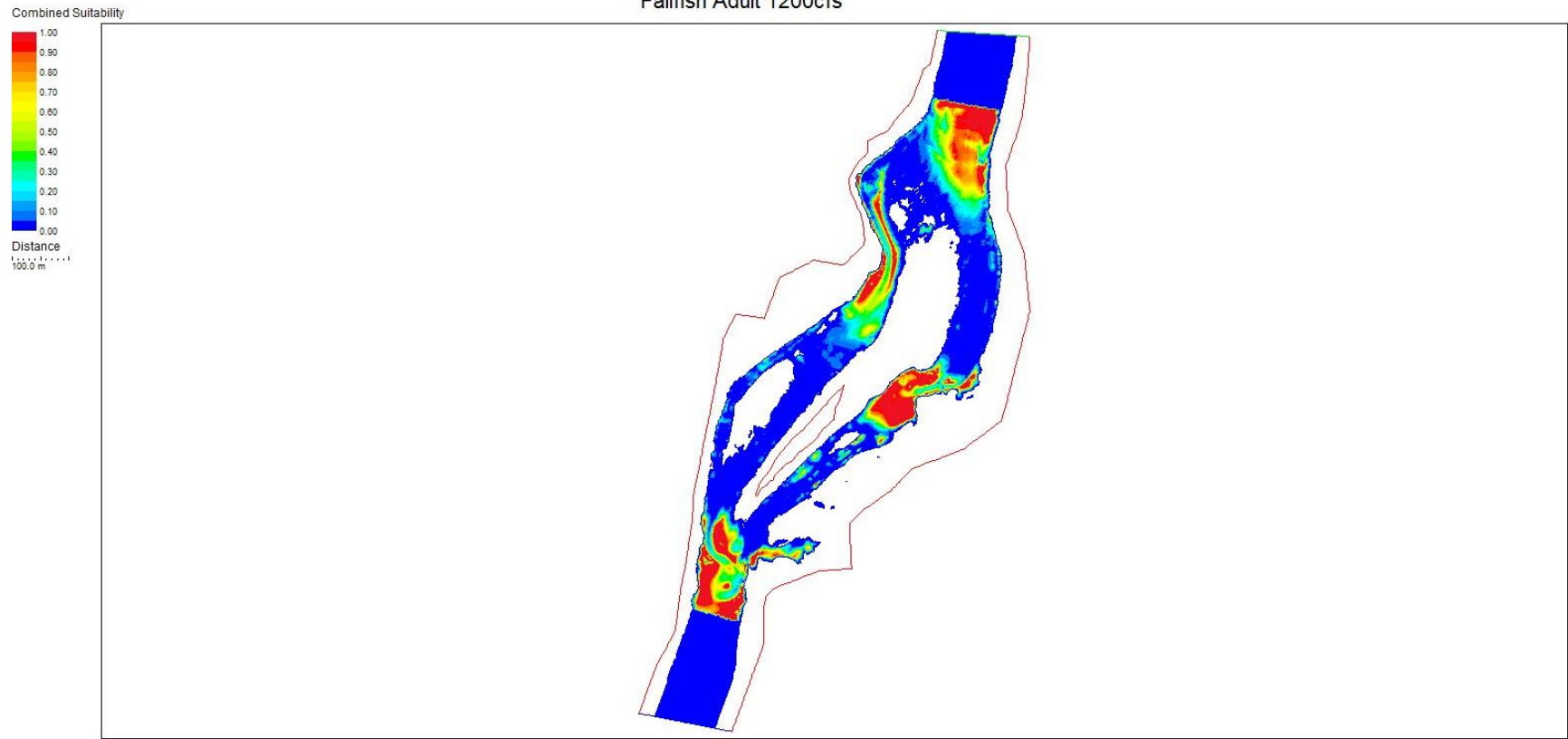
Flow(cfs)	Longnose Dace			Tessellated Darter	Sea Lamprey	Macro-invertebrates	Smallmouth Bass			
	Fry	Juvenile	Adult	Adult	Spawning		Fry	Juvenile	Adult	Spawning
700	37,516	18,319	12,148	22,613	28,956	34,295	23,810	14,995	37,993	15,206
1200	25,782	13,281	12,781	21,206	38,581	36,764	25,089	21,497	54,769	9,360
2200	22,025	9,873	14,344	20,005	54,623	42,197	28,444	26,756	79,870	6,752
3200	21,243	6,565	10,654	15,006	57,264	33,325	22,255	24,285	85,056	5,965
4200	20,819	6,622	7,730	12,763	56,603	25,419	17,548	19,174	84,531	5,754
5200	19,241	7,299	5,120	10,624	53,968	18,461	13,189	13,503	82,065	5,218
6200	17,235	6,939	3,316	8,850	50,420	12,727	9,682	8,752	78,150	4,869
7200	16,585	6,406	2,372	7,427	46,558	8,786	7,276	5,538	73,594	4,455
8200	16,205	6,077	1,740	6,153	39,796	5,900	5,240	3,246	66,779	4,251
9200	15,950	6,280	1,474	5,318	35,401	4,253	4,084	1,950	61,027	4,175
10200	16,357	6,729	1,269	4,668	28,933	3,395	3,369	1,450	53,636	4,168
11200	16,519	7,219	1,091	4,031	24,916	2,709	2,774	1,138	48,256	4,005
13000	16,589	8,493	650	3,038	17,241	1,732	1,895	785	38,160	3,798
15000	16,356	9,833	520	2,207	13,376	1,126	1,260	421	31,466	3,266
20000	17,922	11,621	648	1,748	6,822	1,074	1,096	547	19,771	2,288
25000	19,081	13,248	638	1,569	4,163	1,223	1,135	542	14,098	1,734

Flow(cfs)	Generalized Habitat Criteria				Mussels	
	Shallow-Fast	Shallow-Slow	Deep-Fast	Deep-Slow	DWM	Co-occurring
700	44,775	39,410	9,878	31,801	15106	31386
1200	60,805	35,842	24,476	25,998	16929	31586
2200	70,379	25,429	53,304	18,201	11358	18085
3200	60,682	21,040	78,091	14,639	8468	12537
4200	49,513	18,092	97,295	14,287	8918	11193
5200	37,328	15,544	116,129	13,885	9552	10338
6200	26,634	13,856	132,343	12,724	10025	9579
7200	15,879	12,256	147,272	12,361	8856	8733
8200	10,353	11,340	155,565	12,265	8836	8367
9200	6,711	10,363	161,592	12,702	8703	8075
10200	5,212	9,465	164,300	13,532	9345	8618
11200	4,026	8,477	166,869	14,412	9428	8494
13000	3,418	7,060	169,033	15,822	9963	9485
15000	2,729	5,615	172,652	16,912	11097	9659
20000	3,831	5,654	176,154	19,217	11541	10857
25000	4,462	5,232	179,230	21,085	4,462	5,232

Fallfish Adult 700cfs

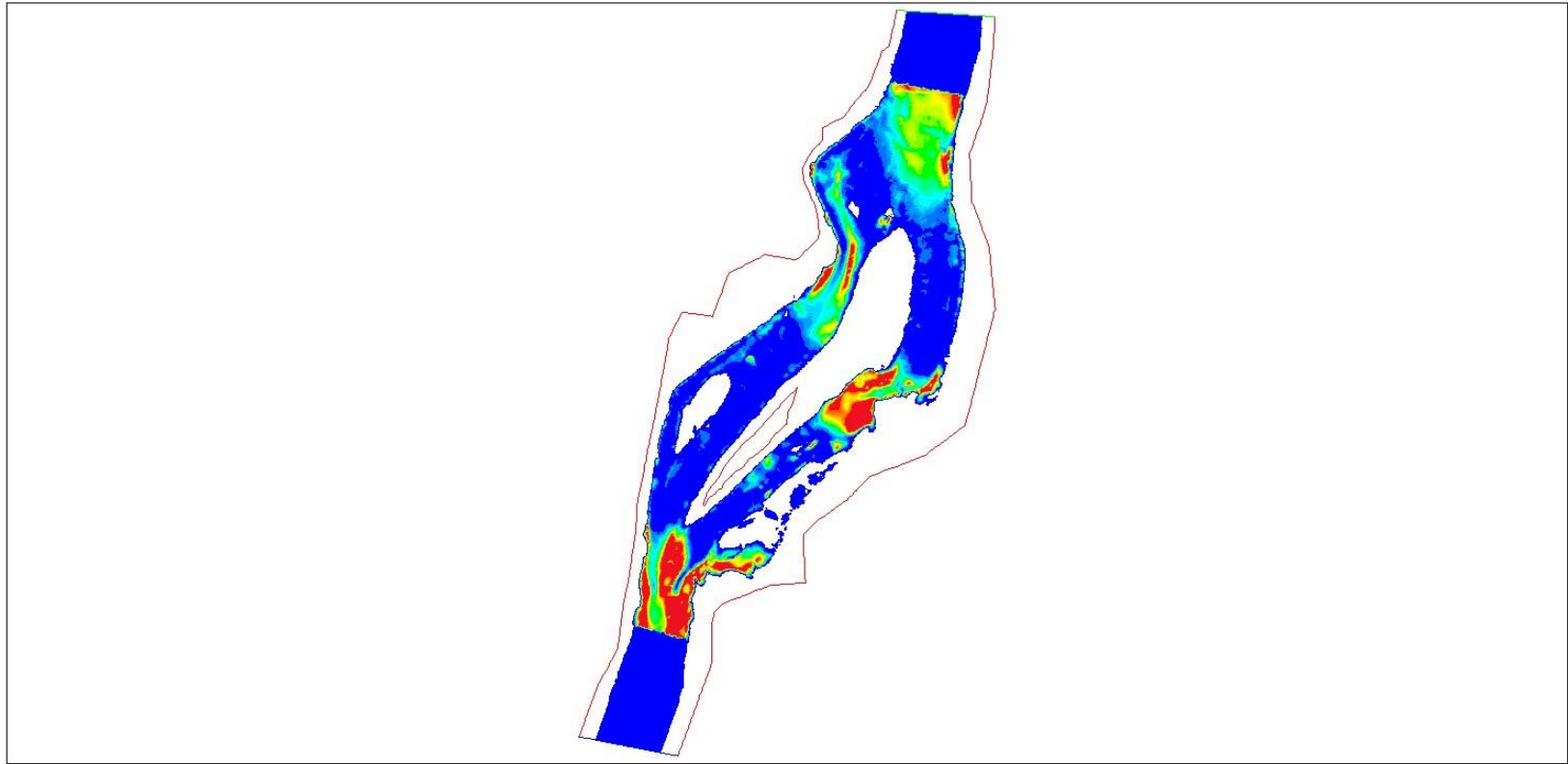
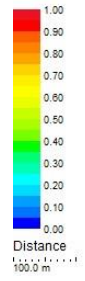


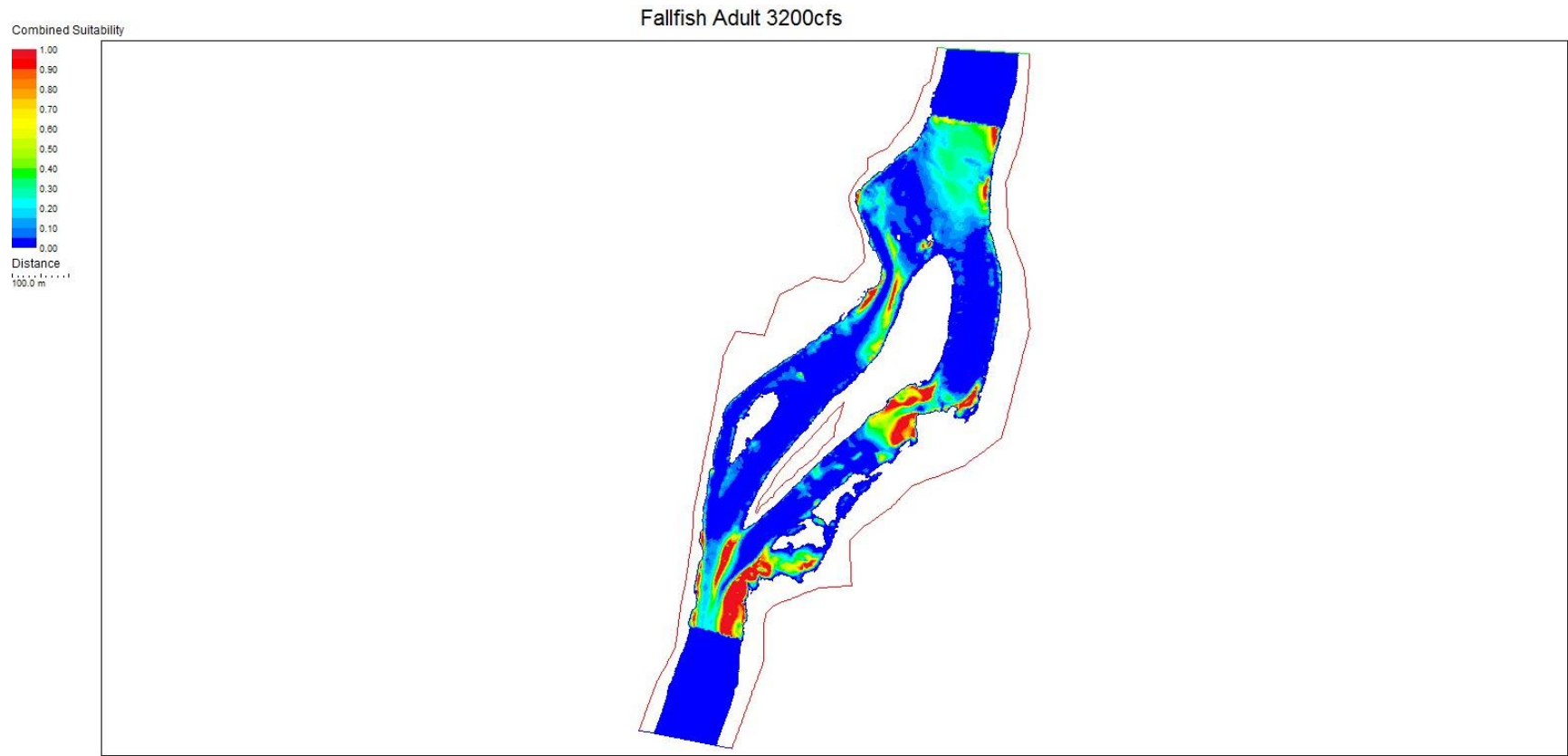
Fallfish Adult 1200cfs



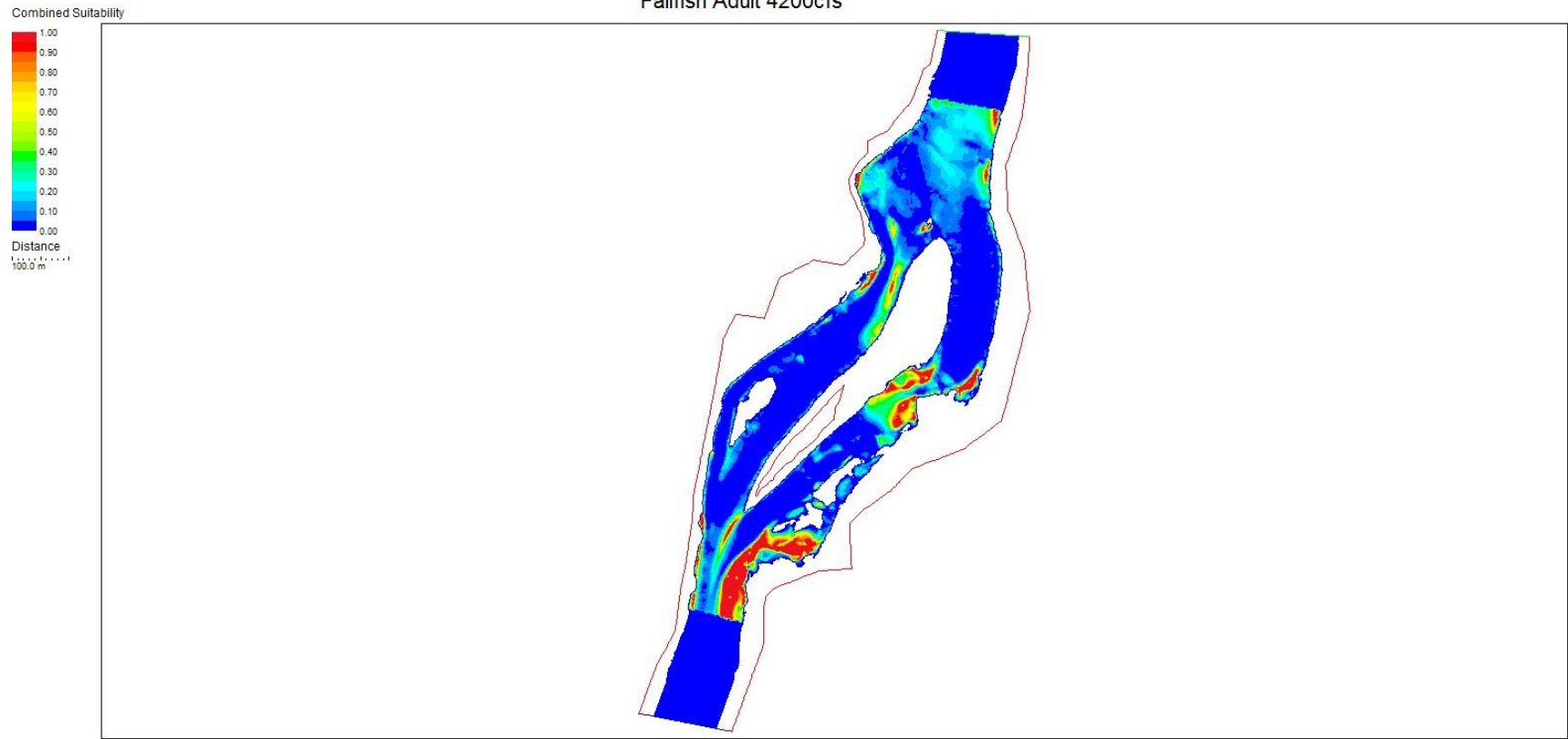
Fallfish Adult 2200cfs

Combined Suitability

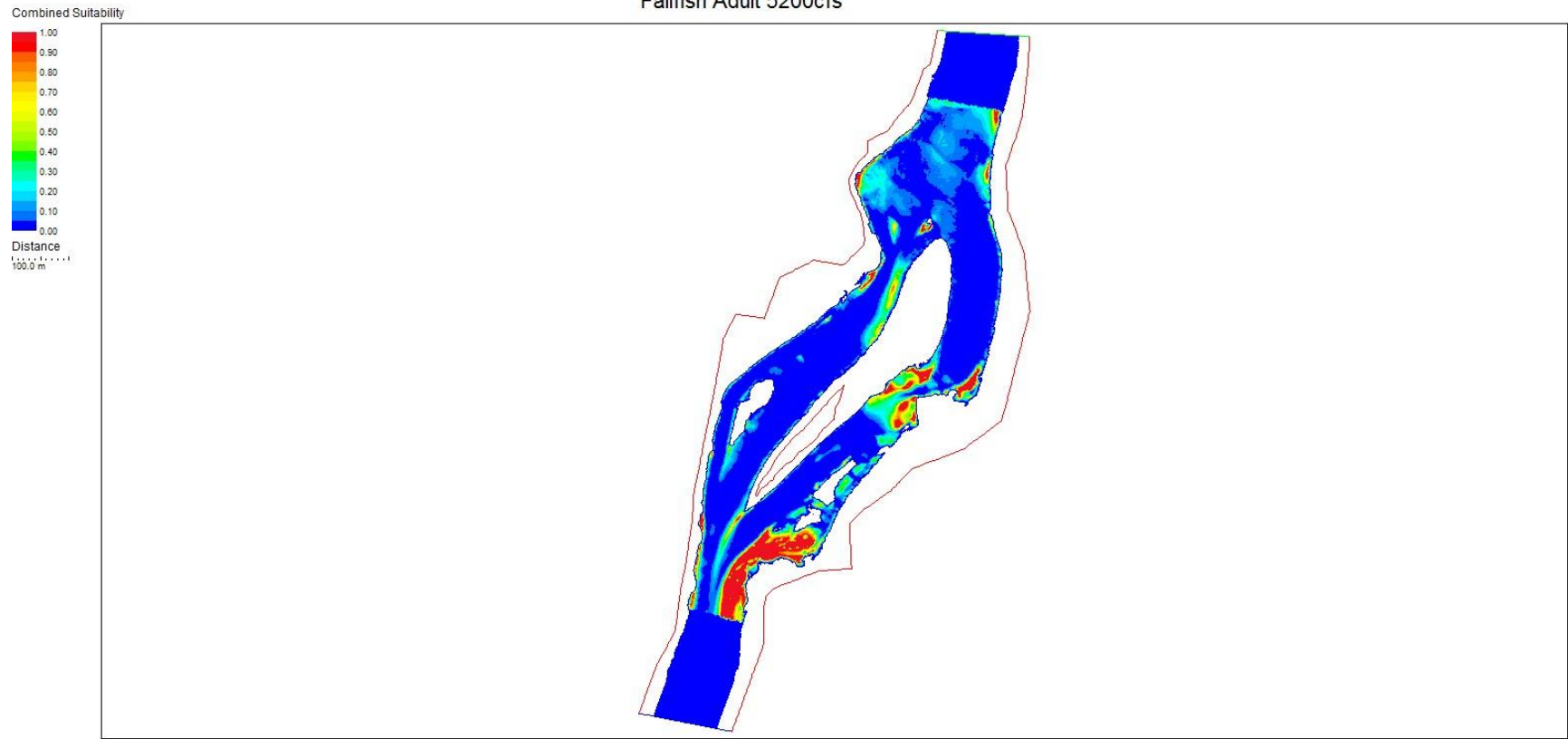




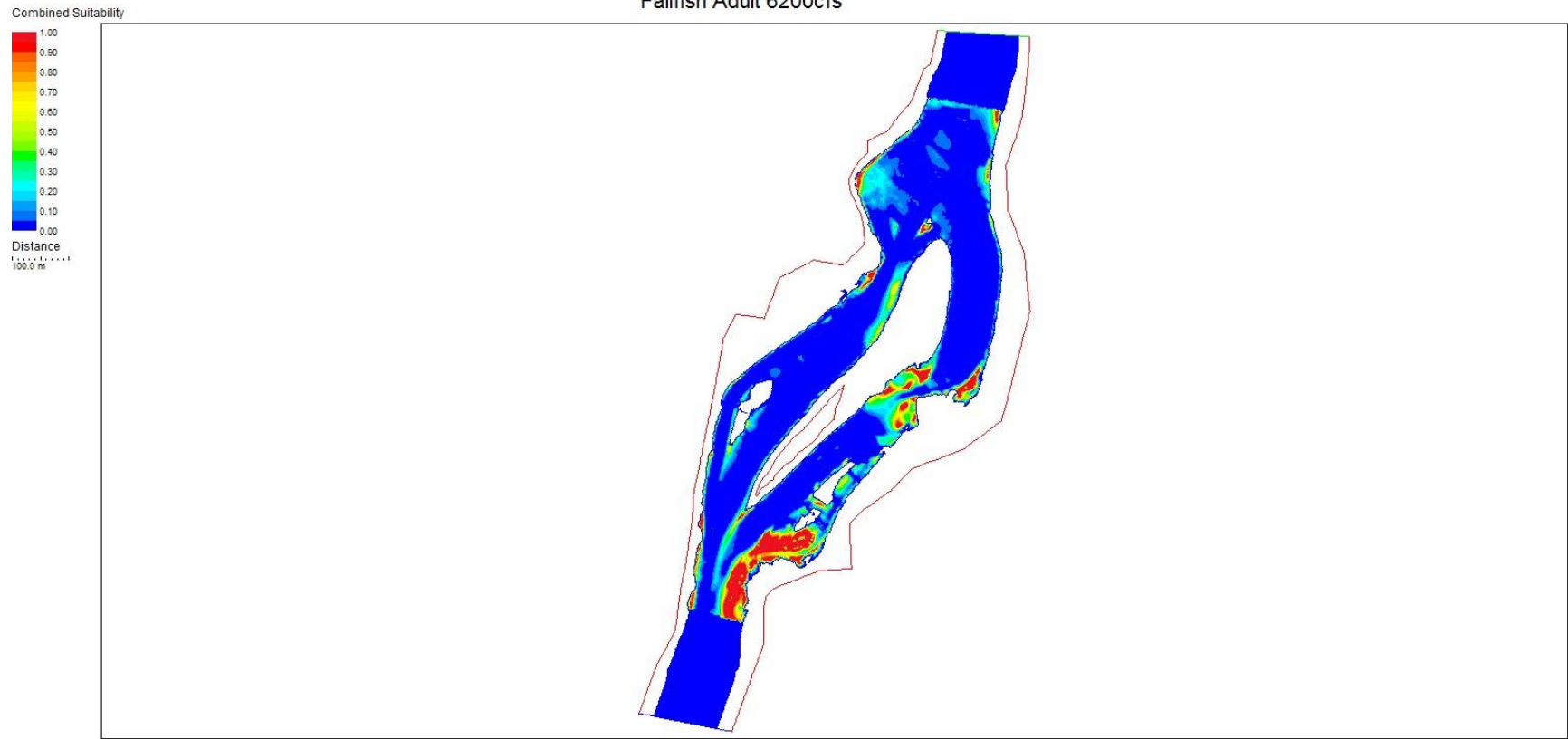
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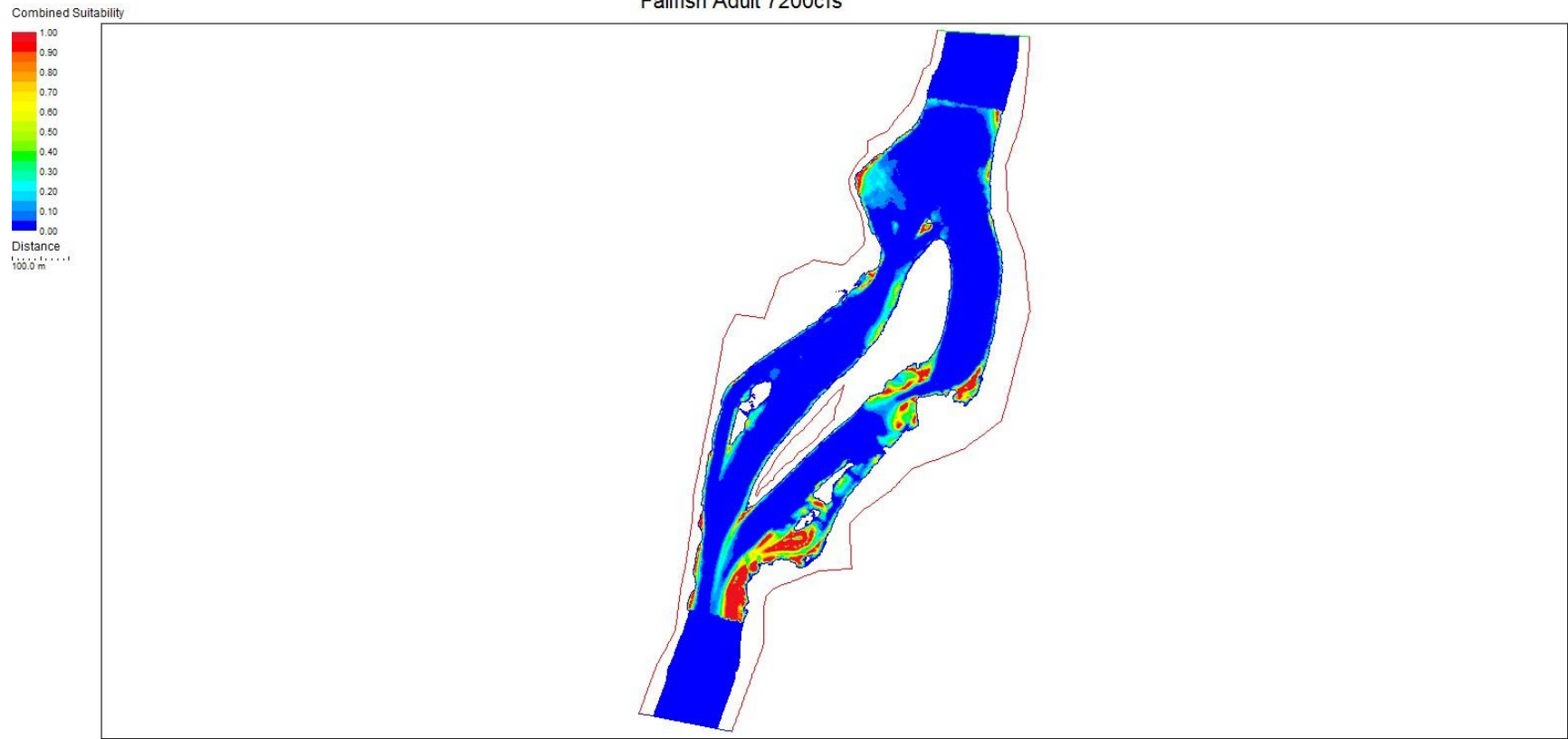
Fallfish Adult 5200cfs



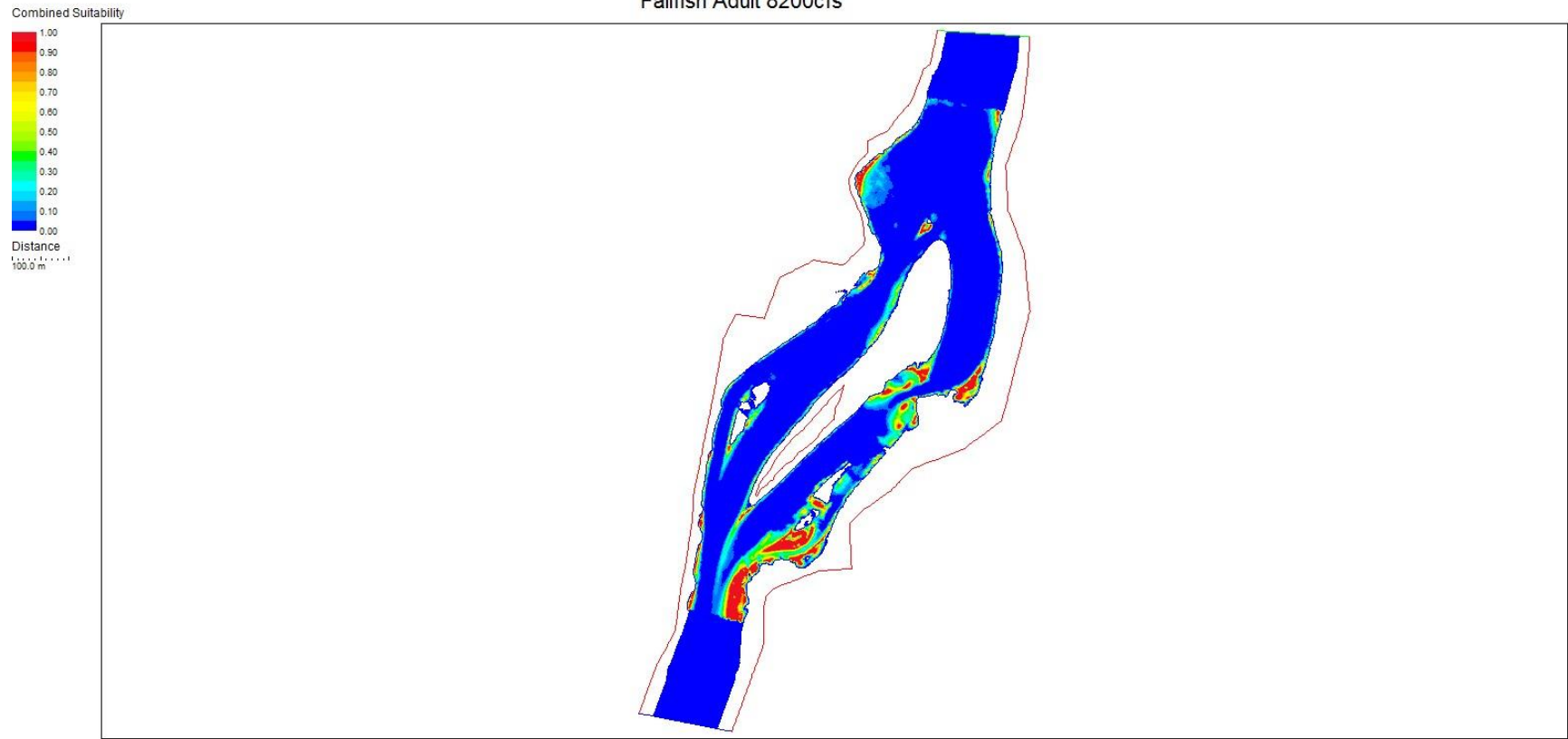
Fallfish Adult 6200cfs



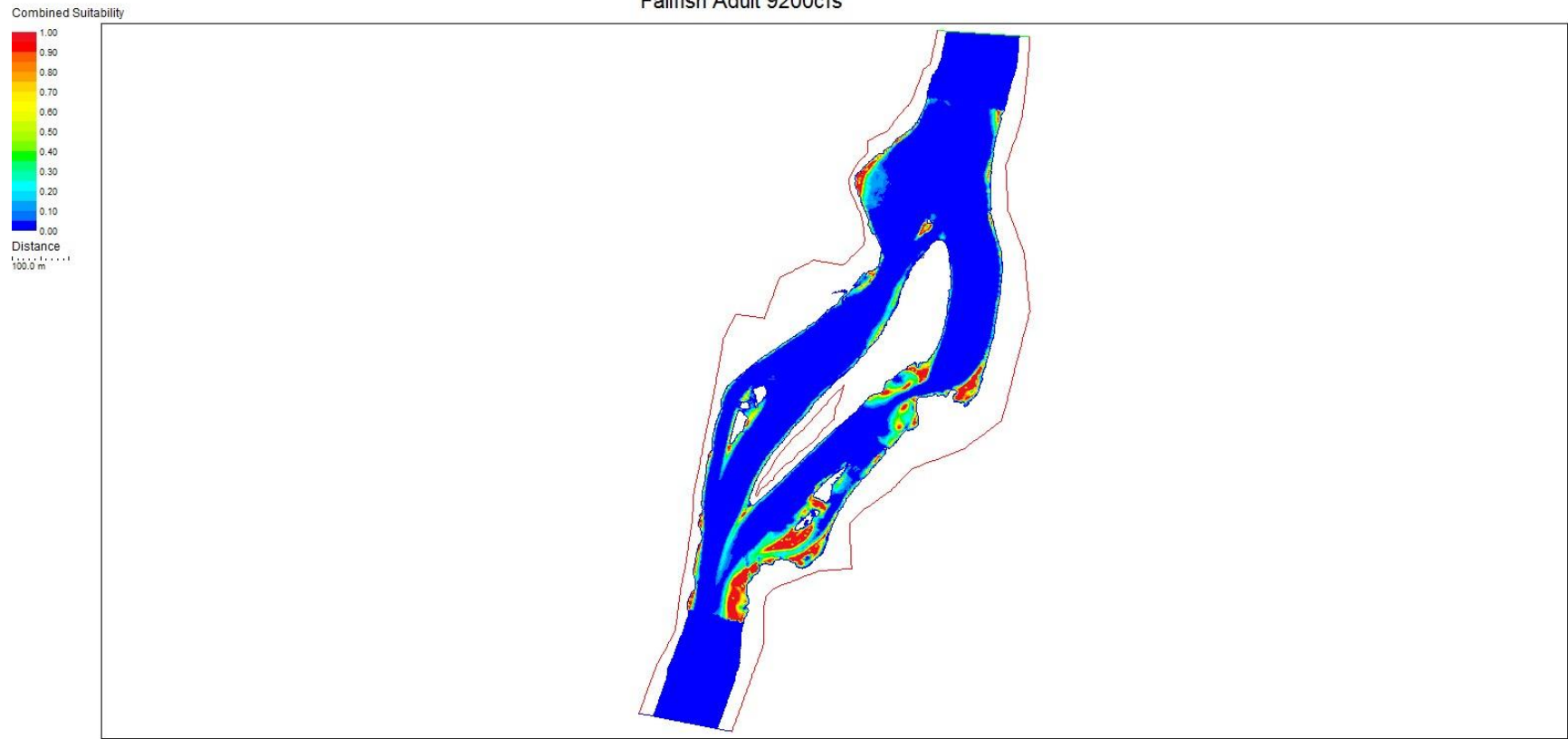
Fallfish Adult 7200cfs



Fallfish Adult 8200cfs

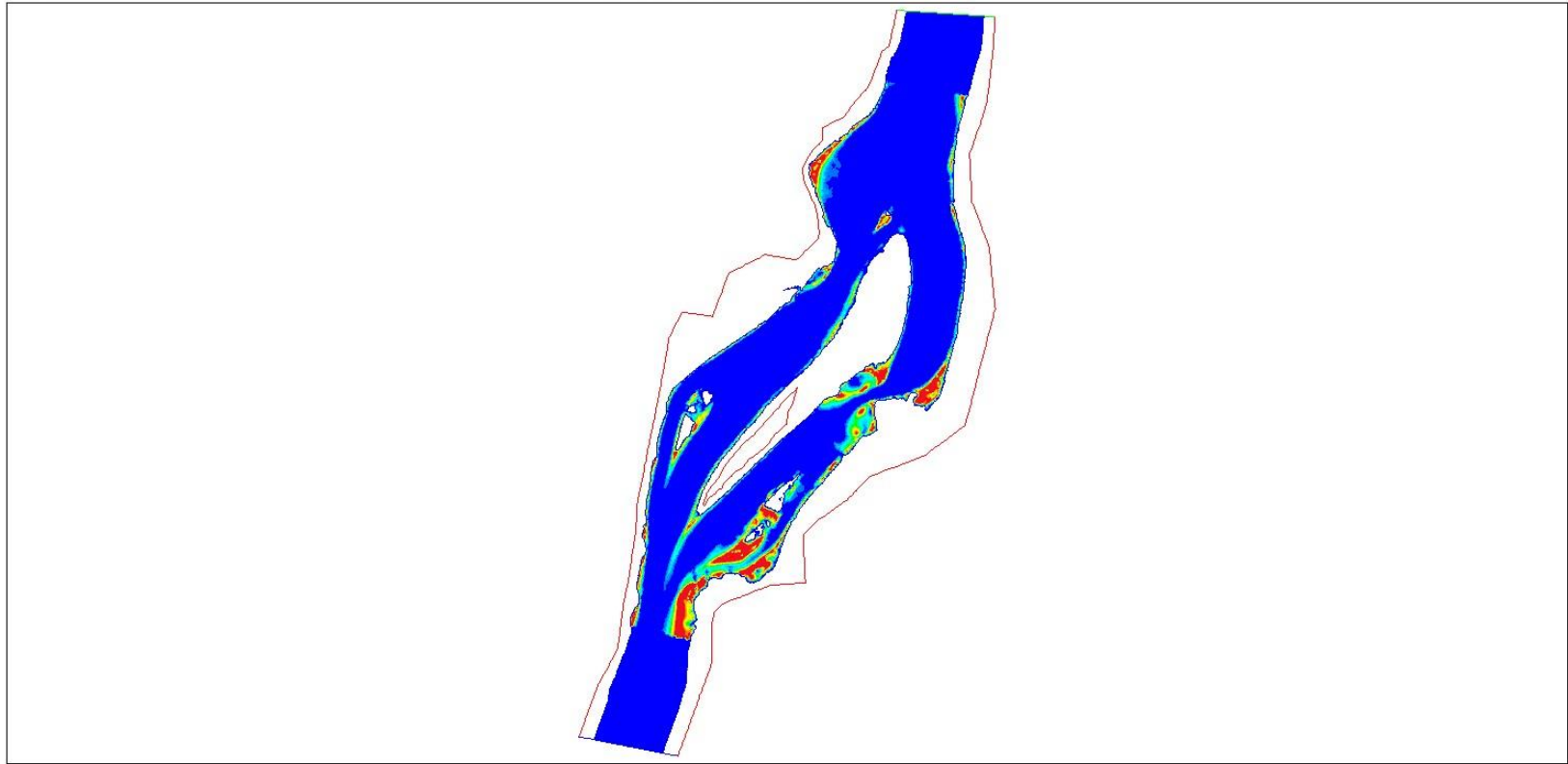
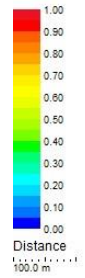


Fallfish Adult 9200cfs

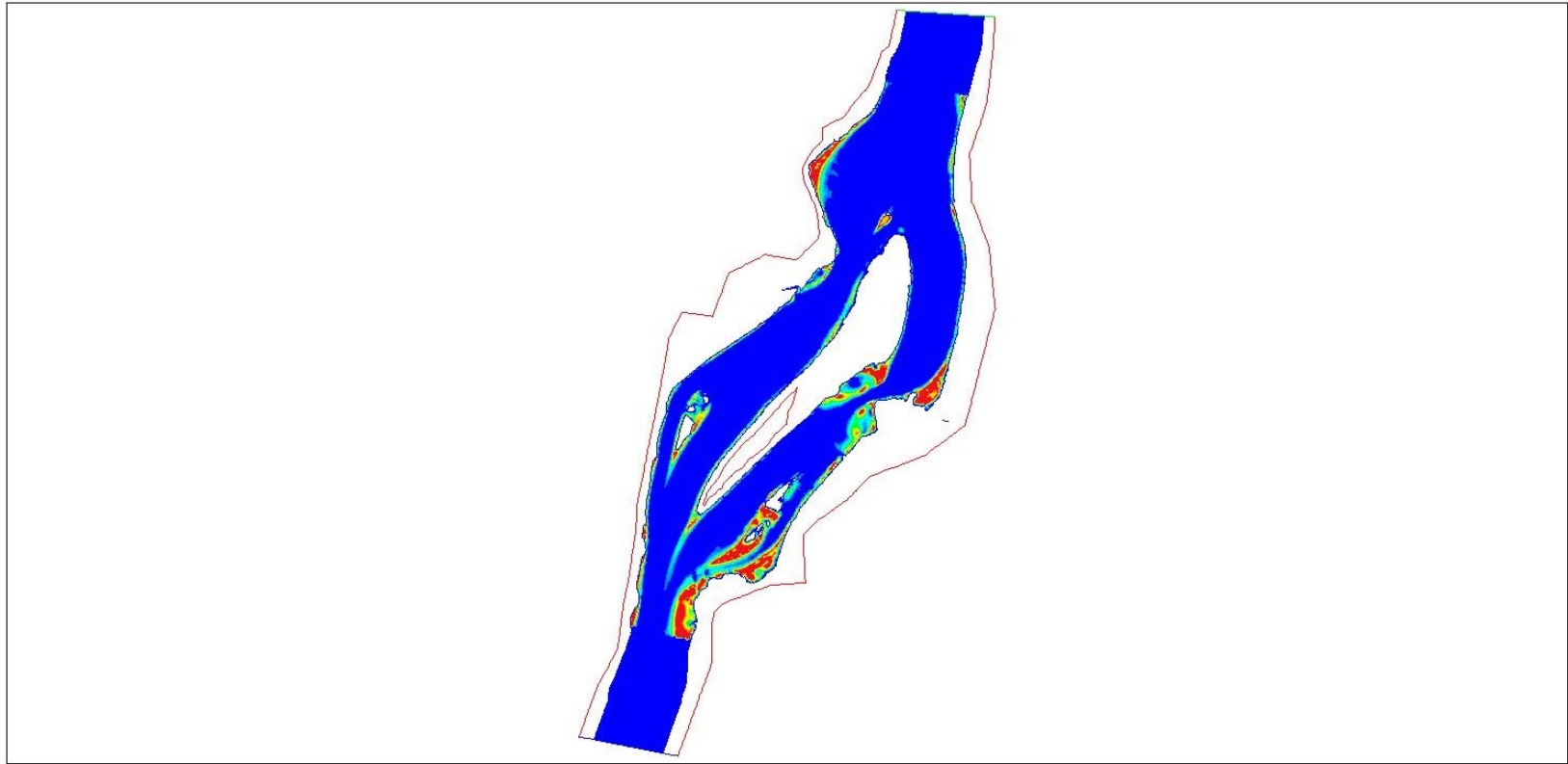
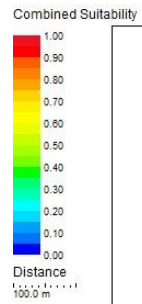


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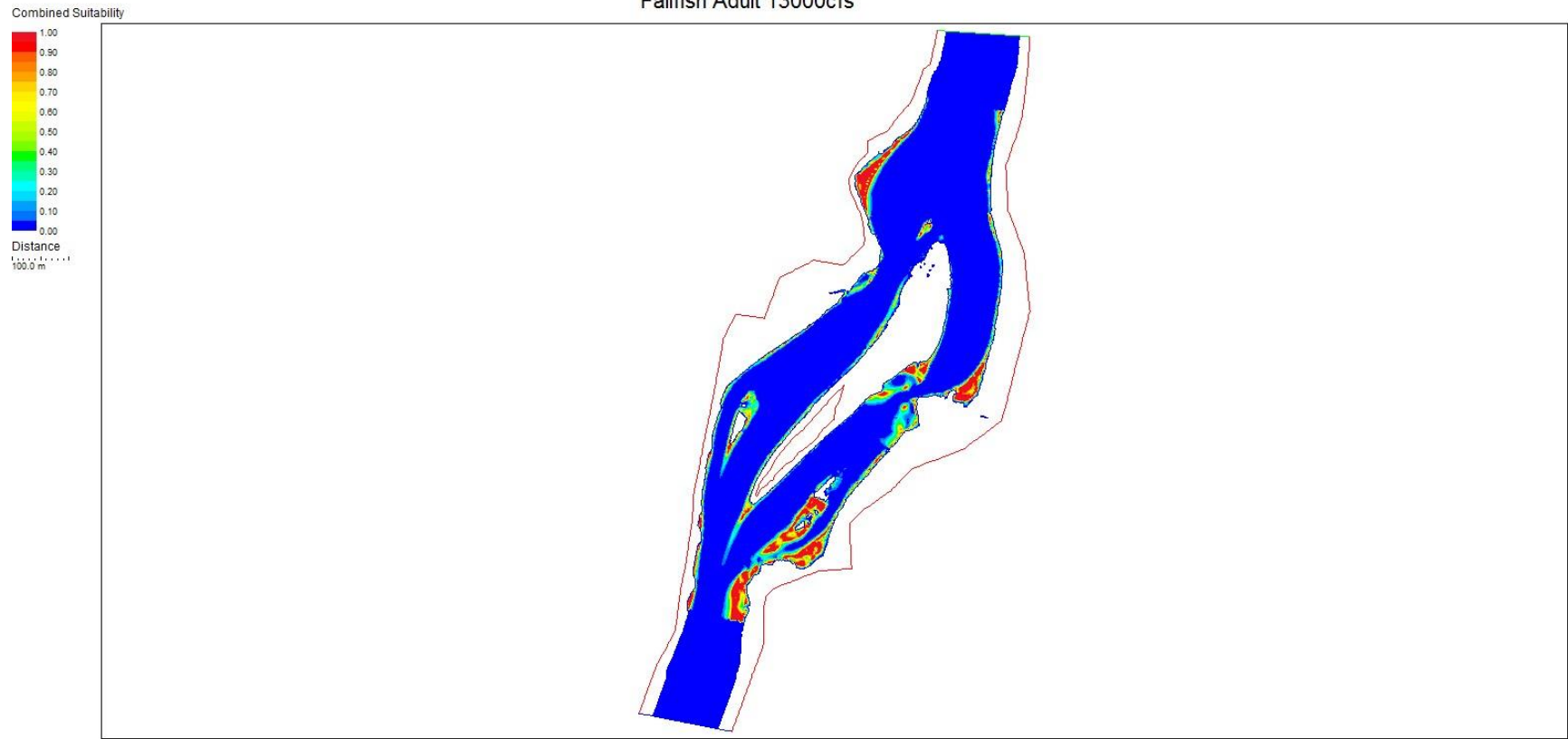
Combined Suitability



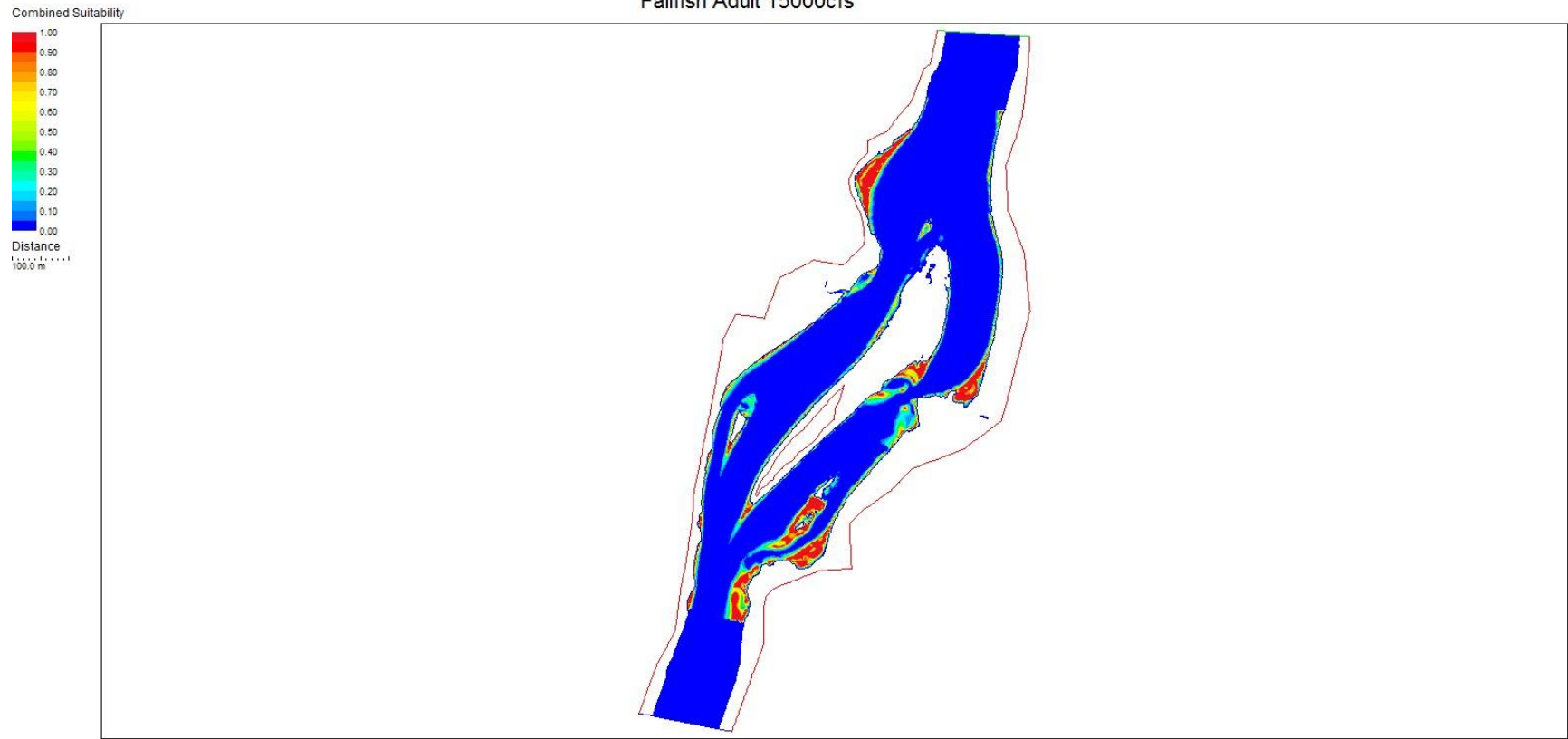
Fallfish Adult 11200cfs



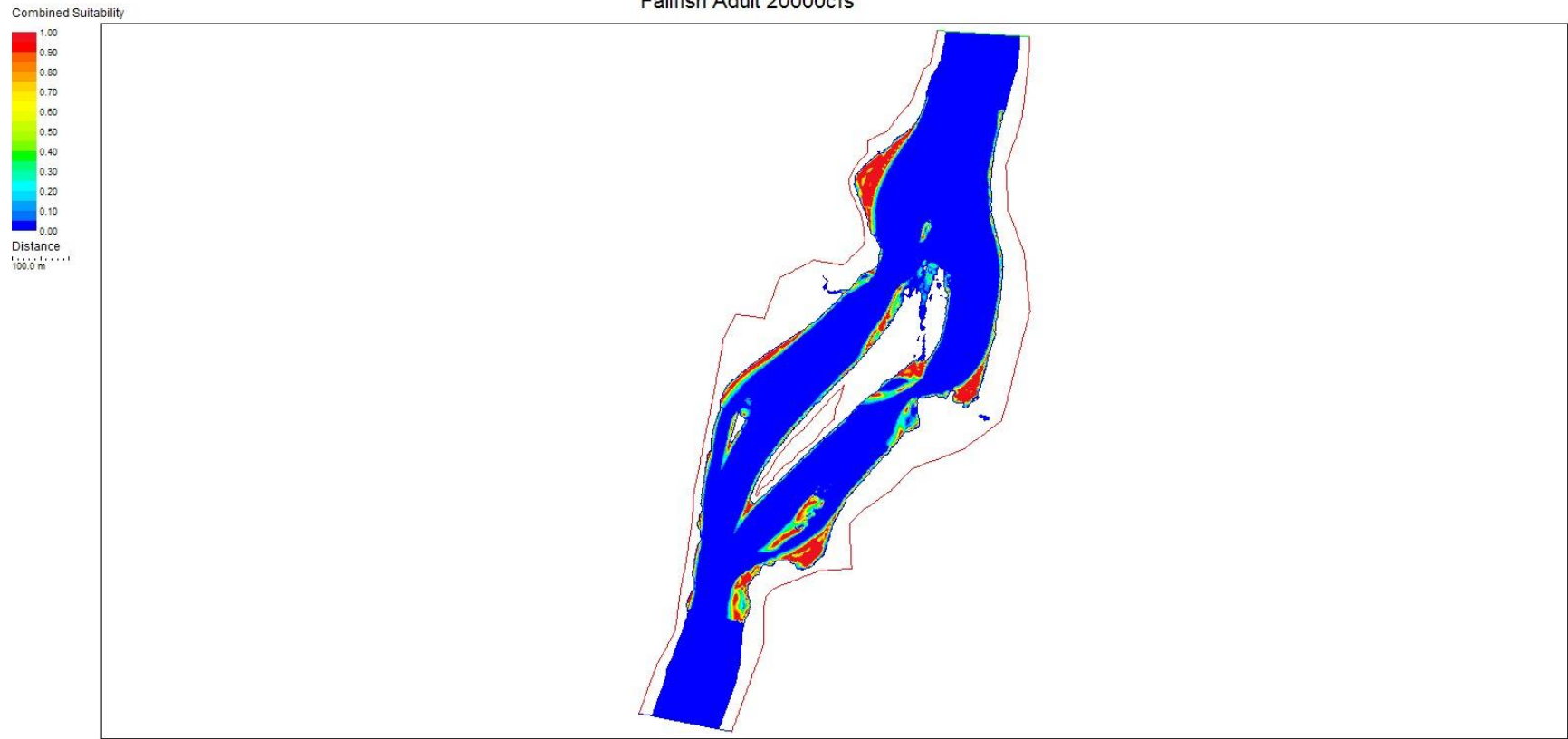
Fallfish Adult 13000cfs



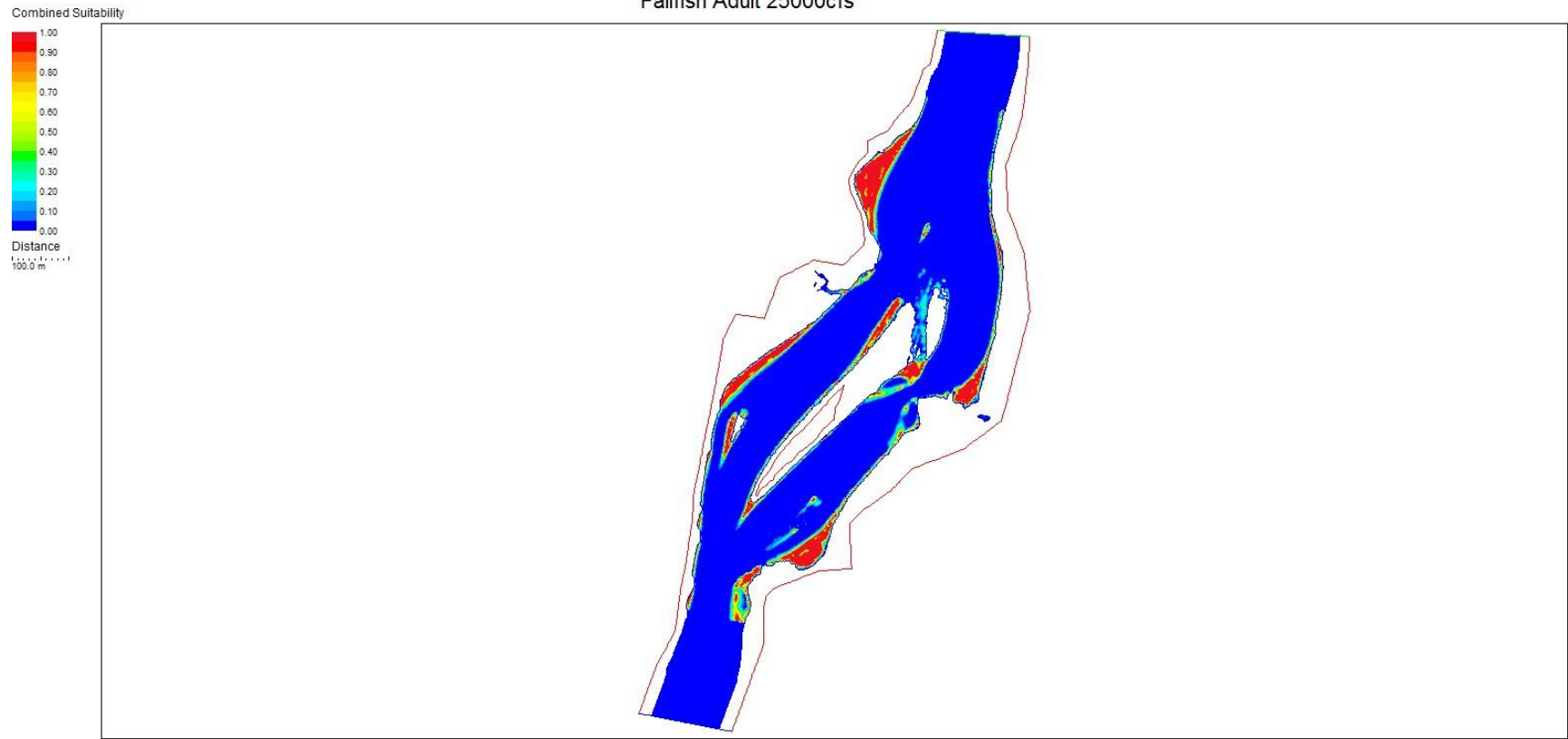
Fallfish Adult 15000cfs



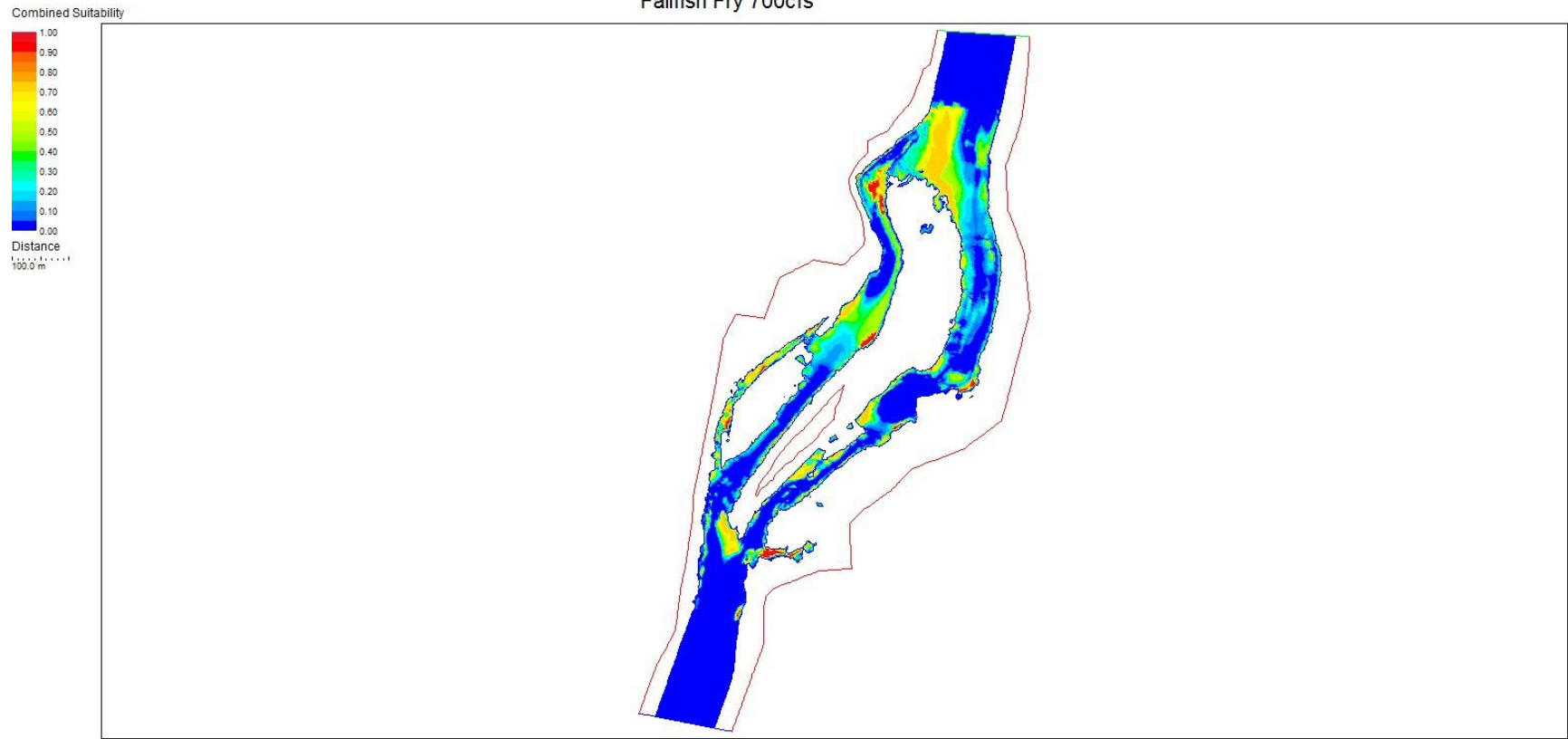
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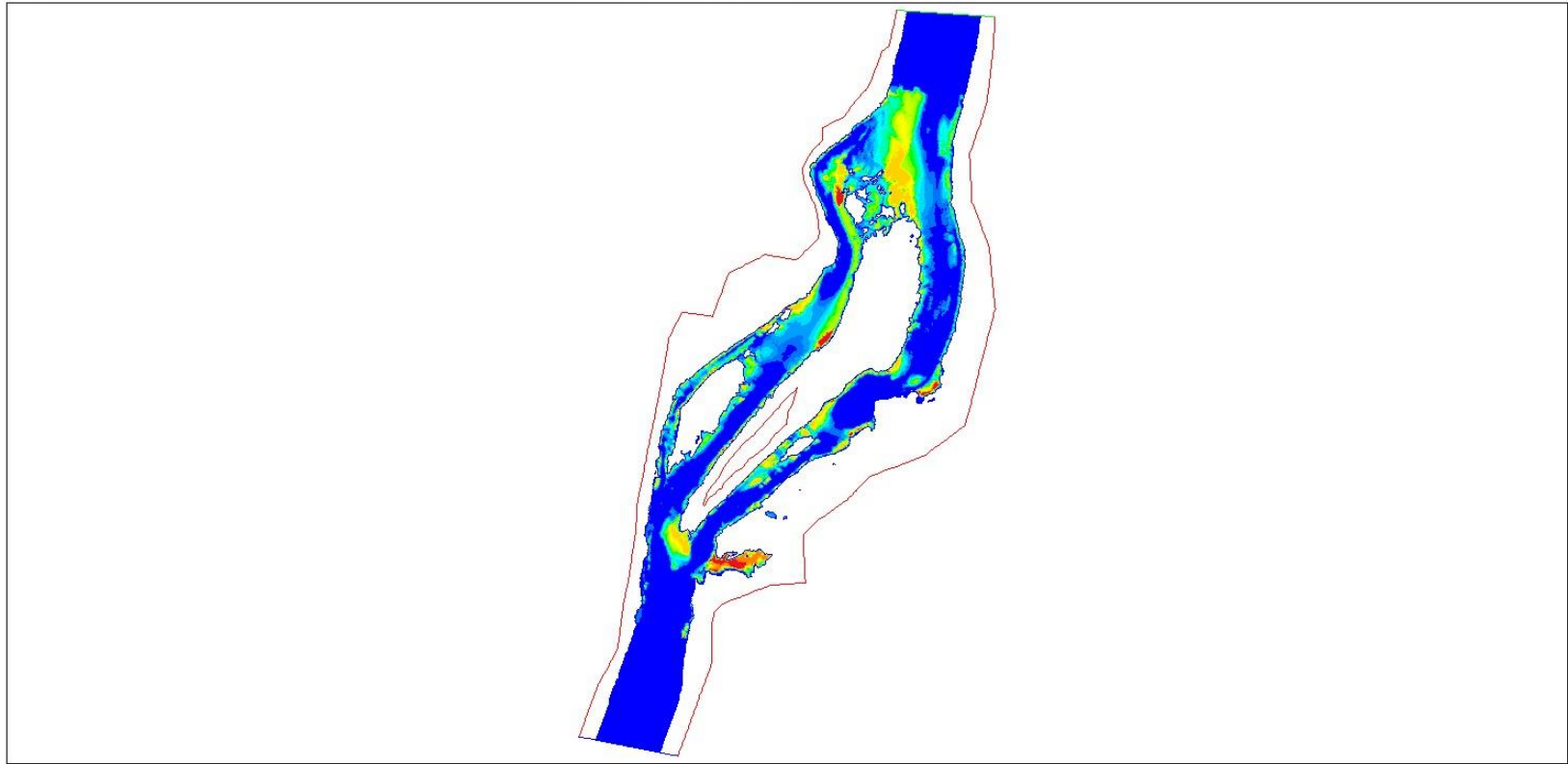
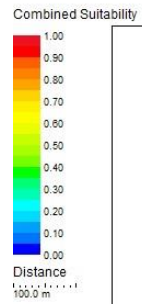
Fallfish Adult 25000cfs



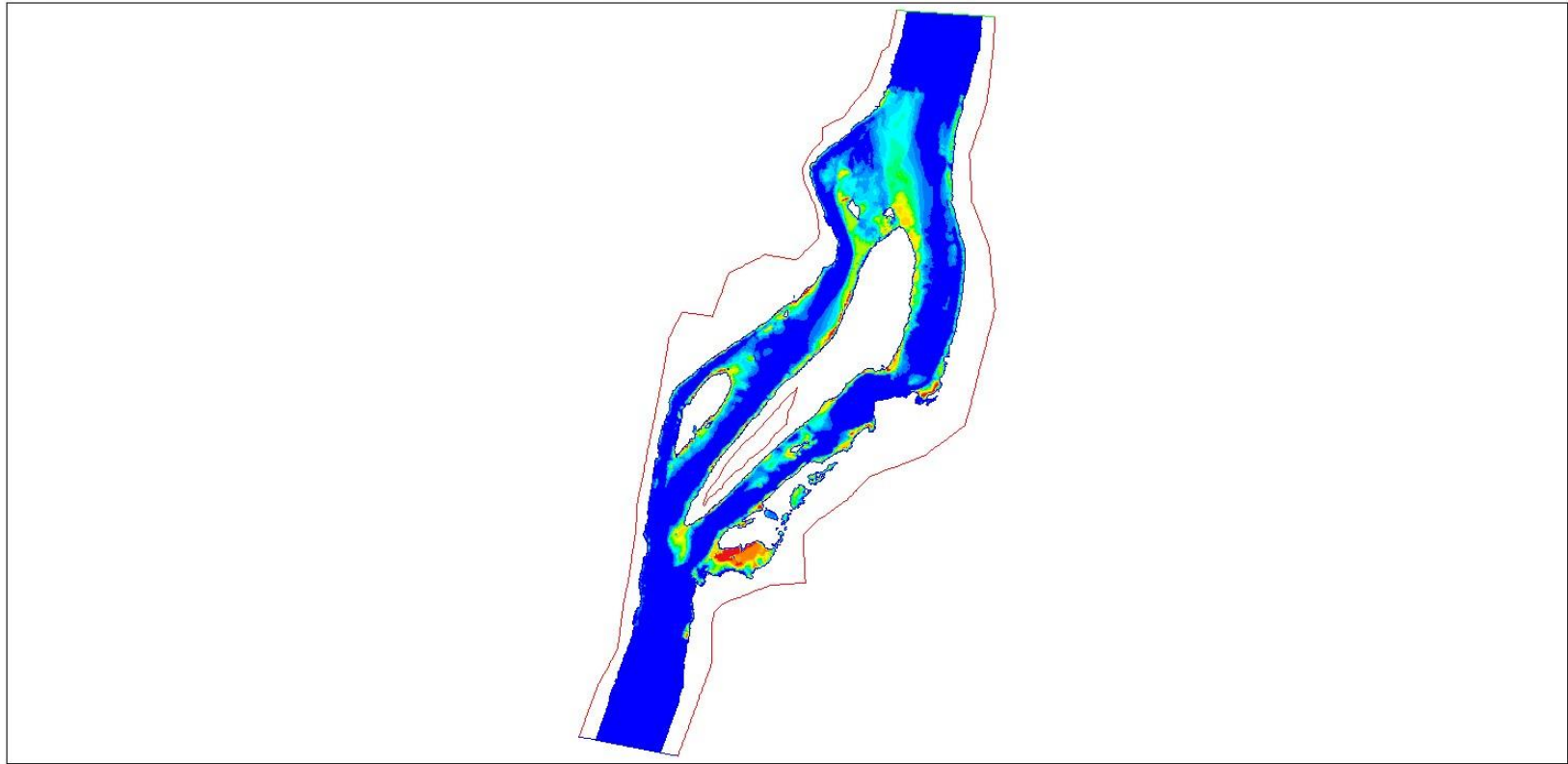
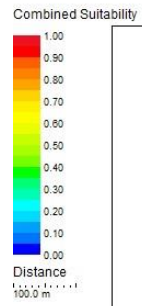
Fallfish Fry 700cfs



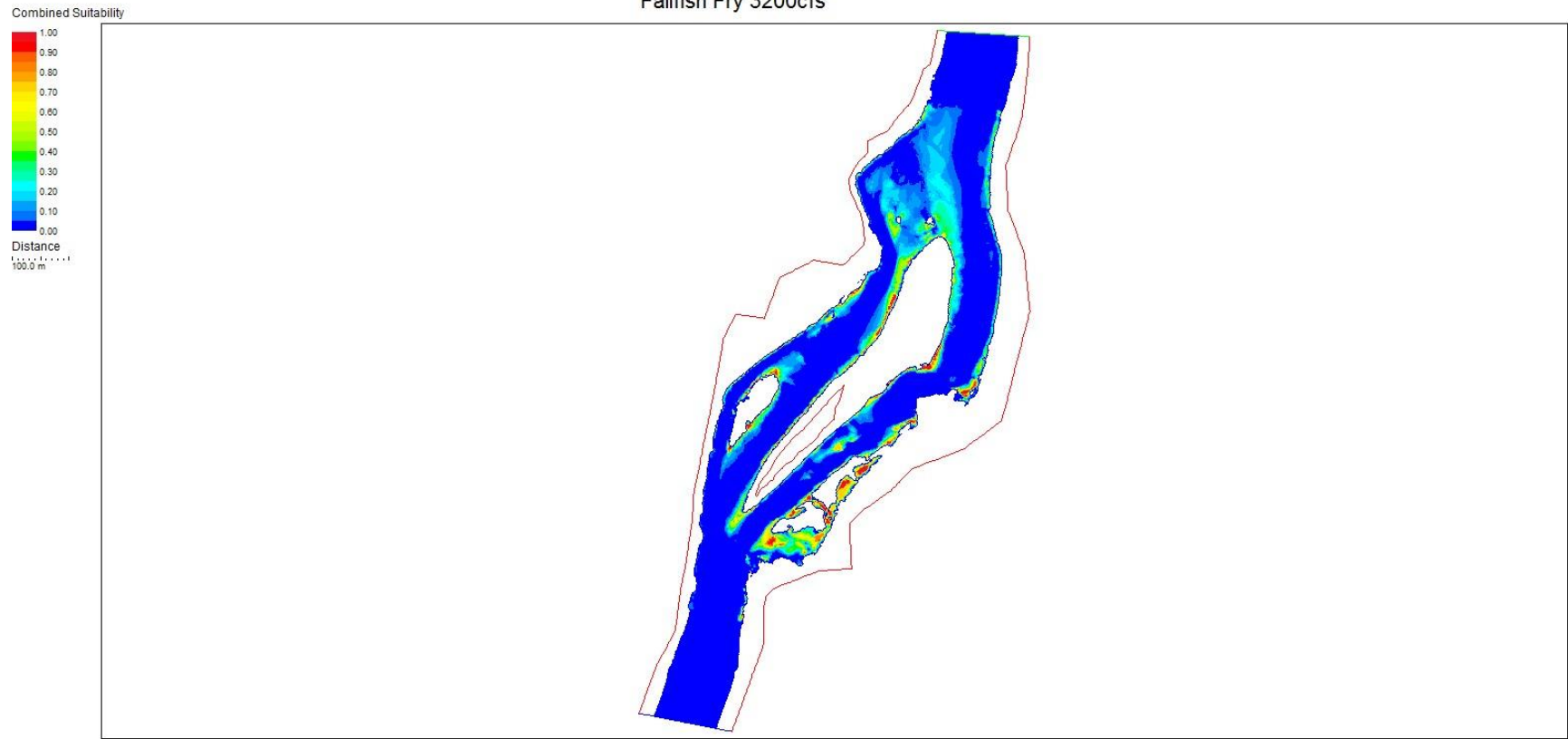
Fallfish Fry 1200cfs



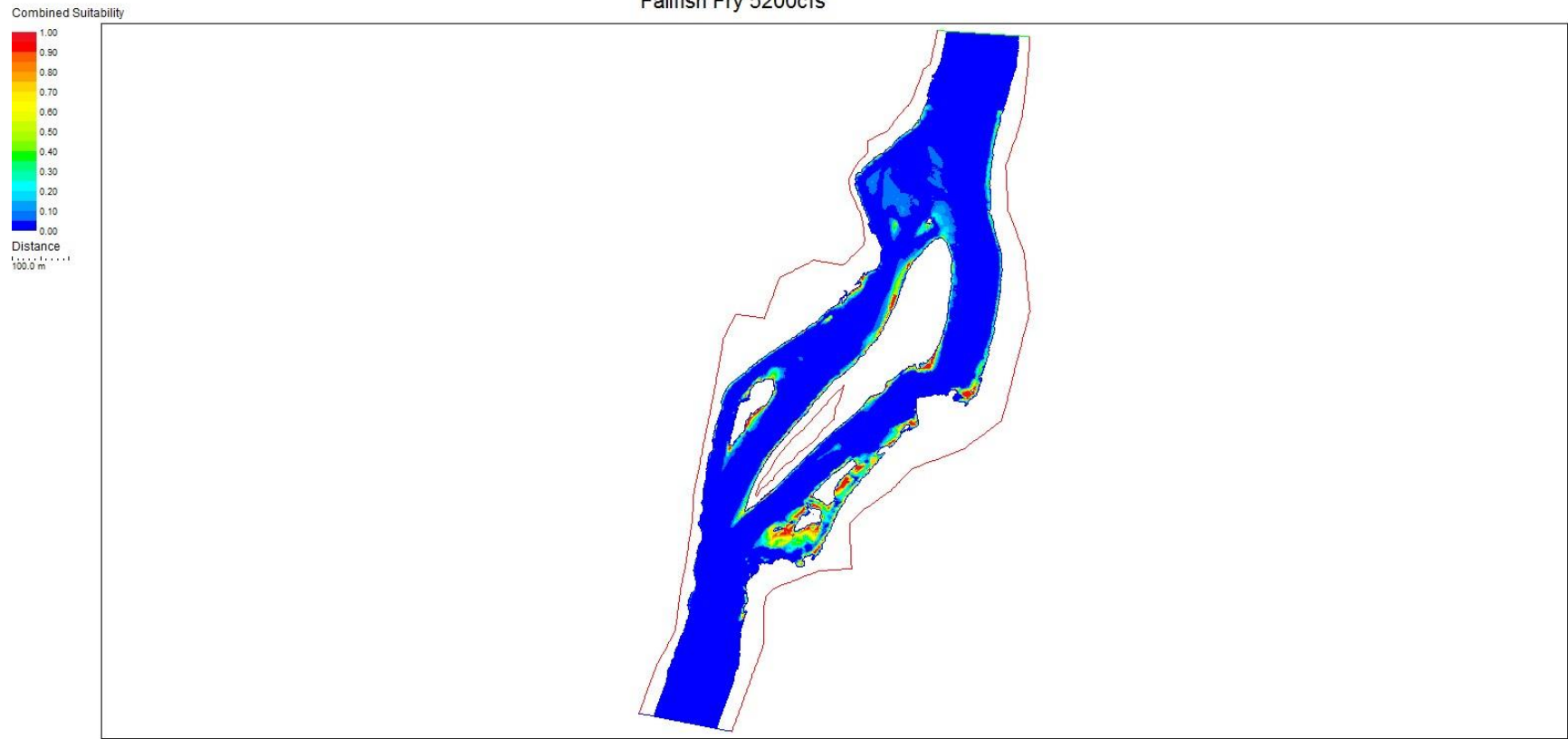
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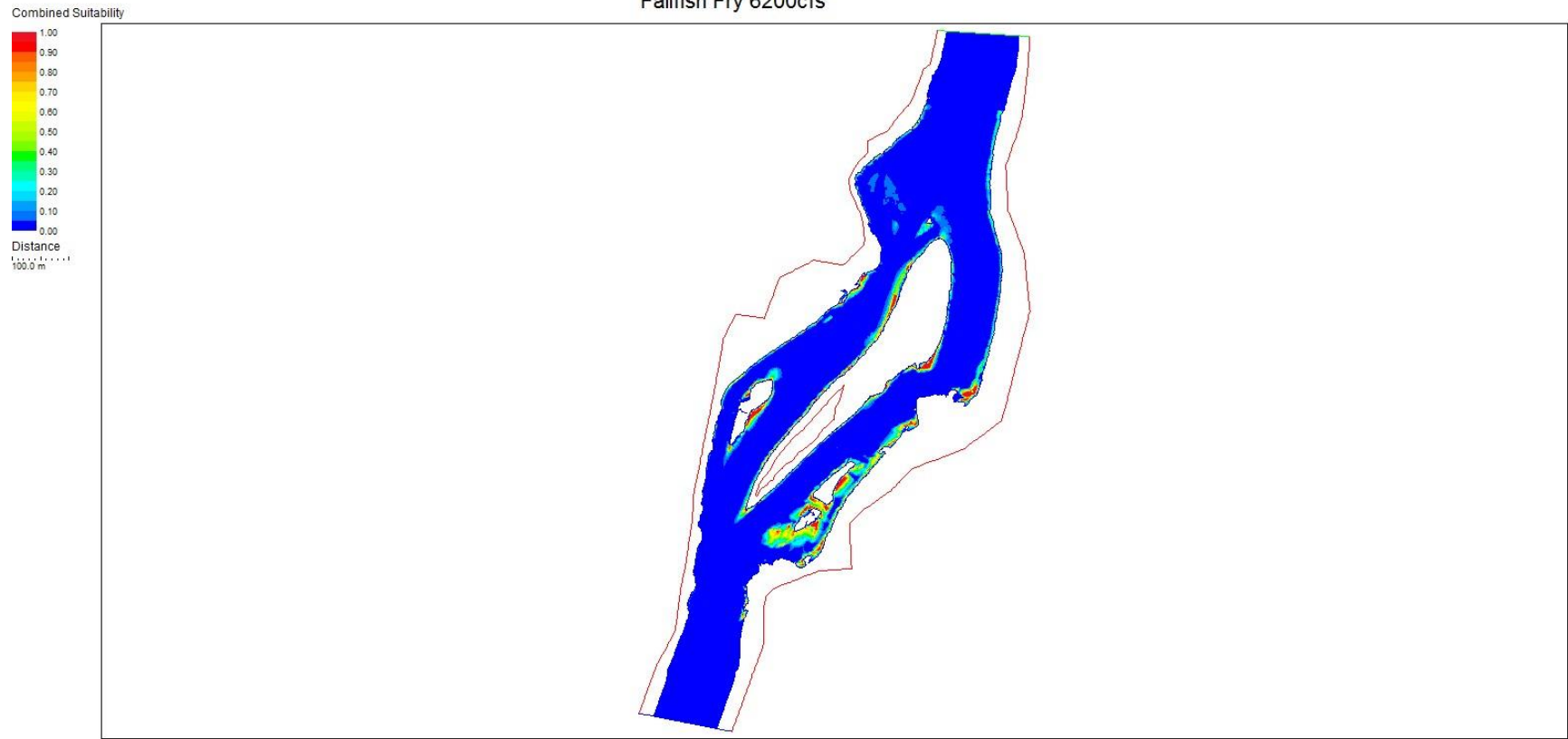
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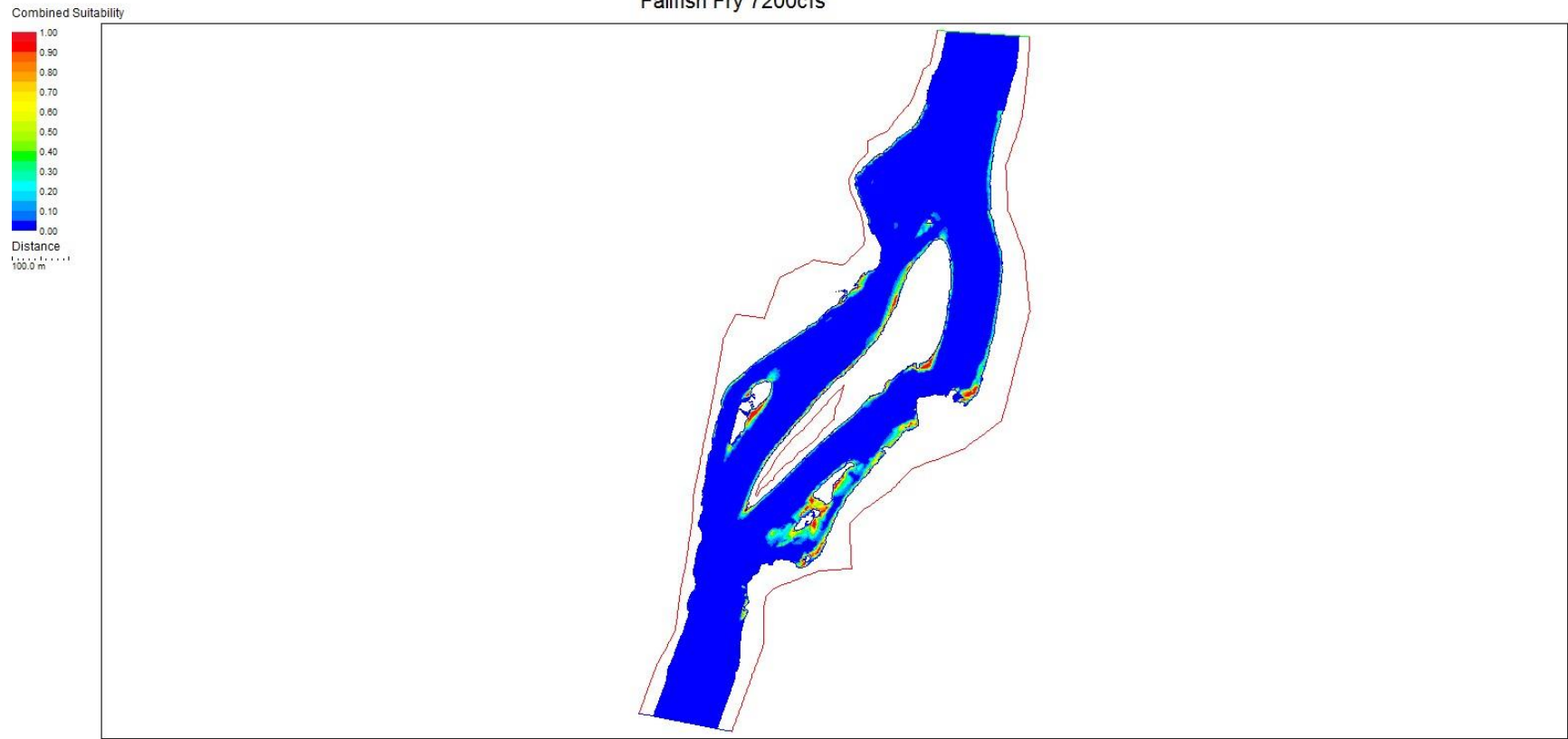
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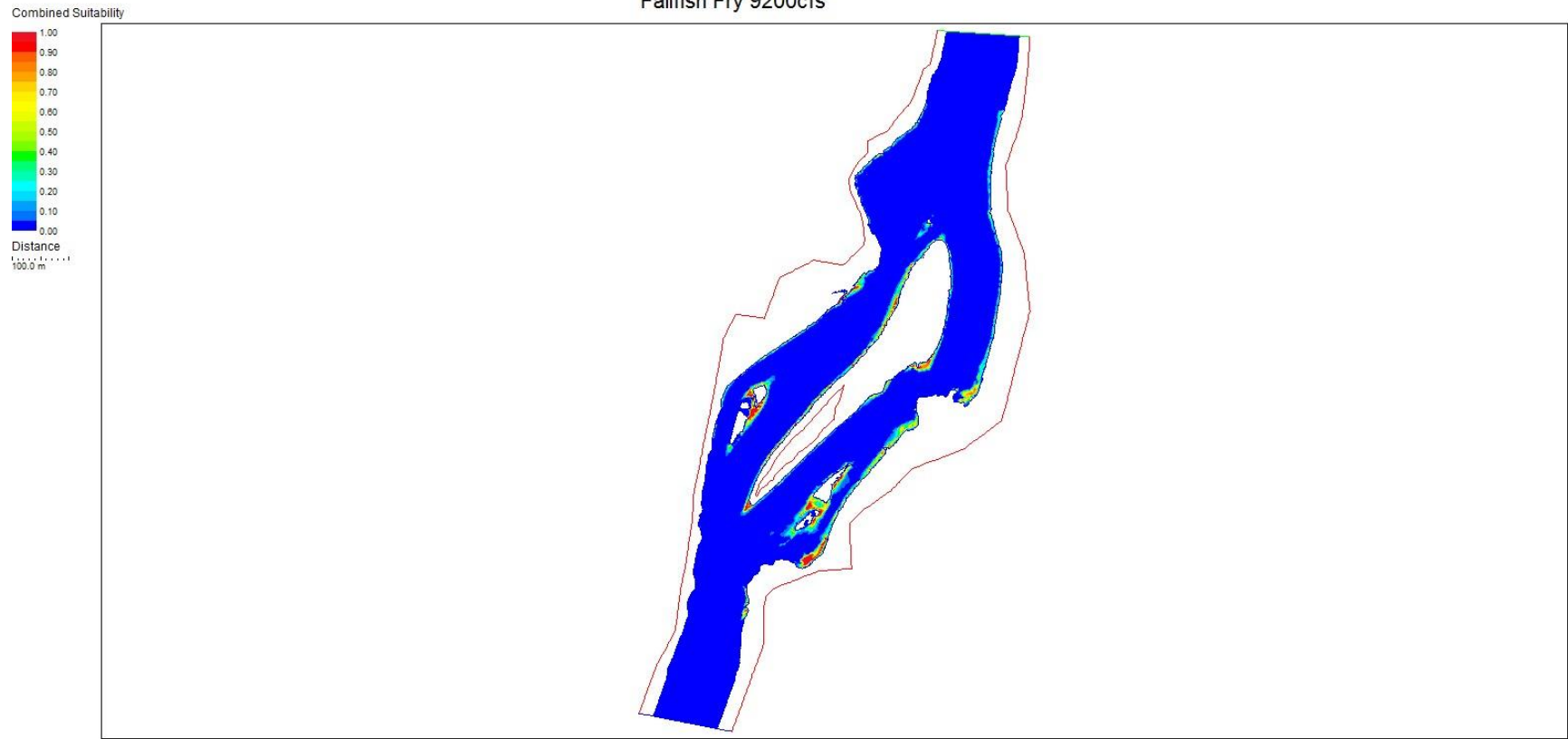
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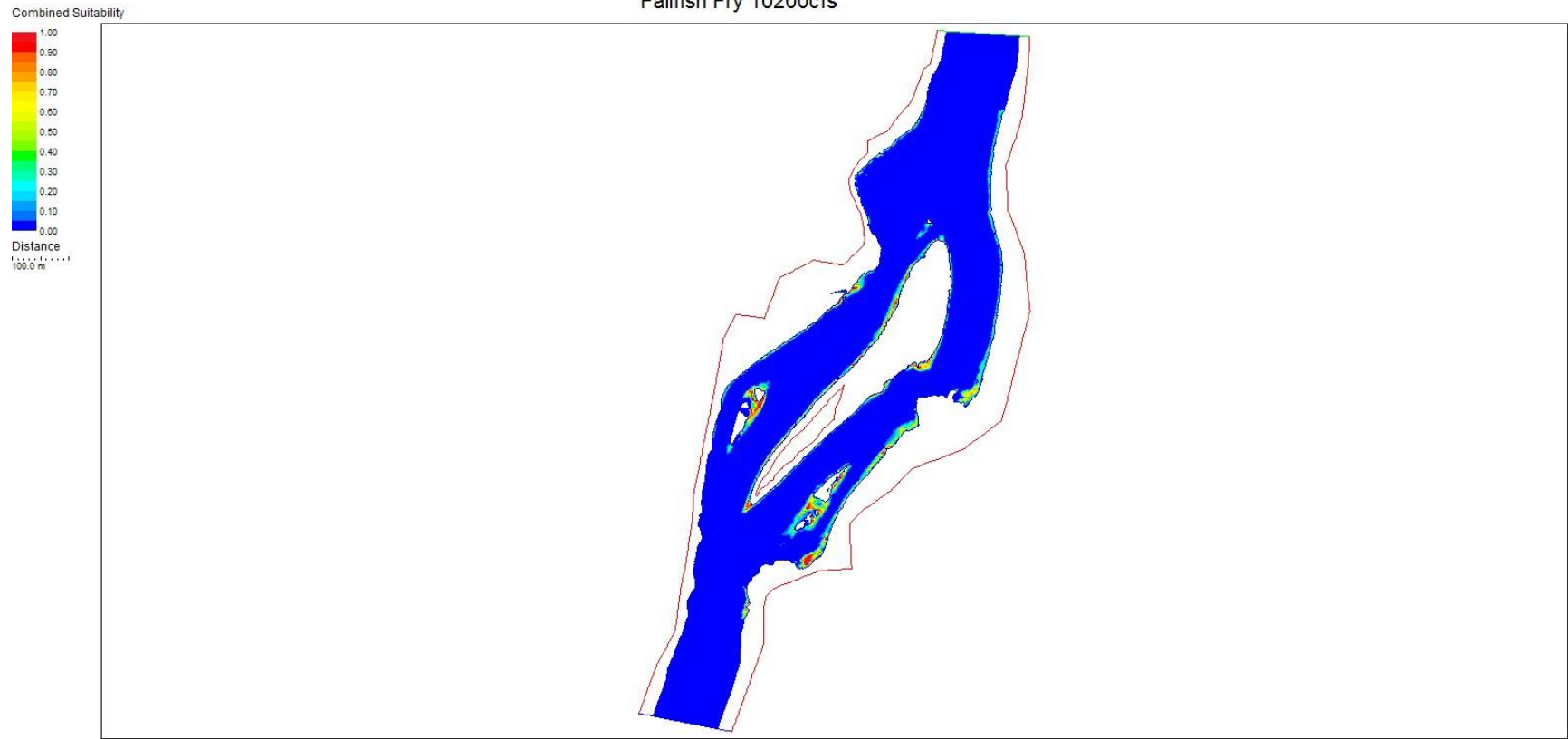
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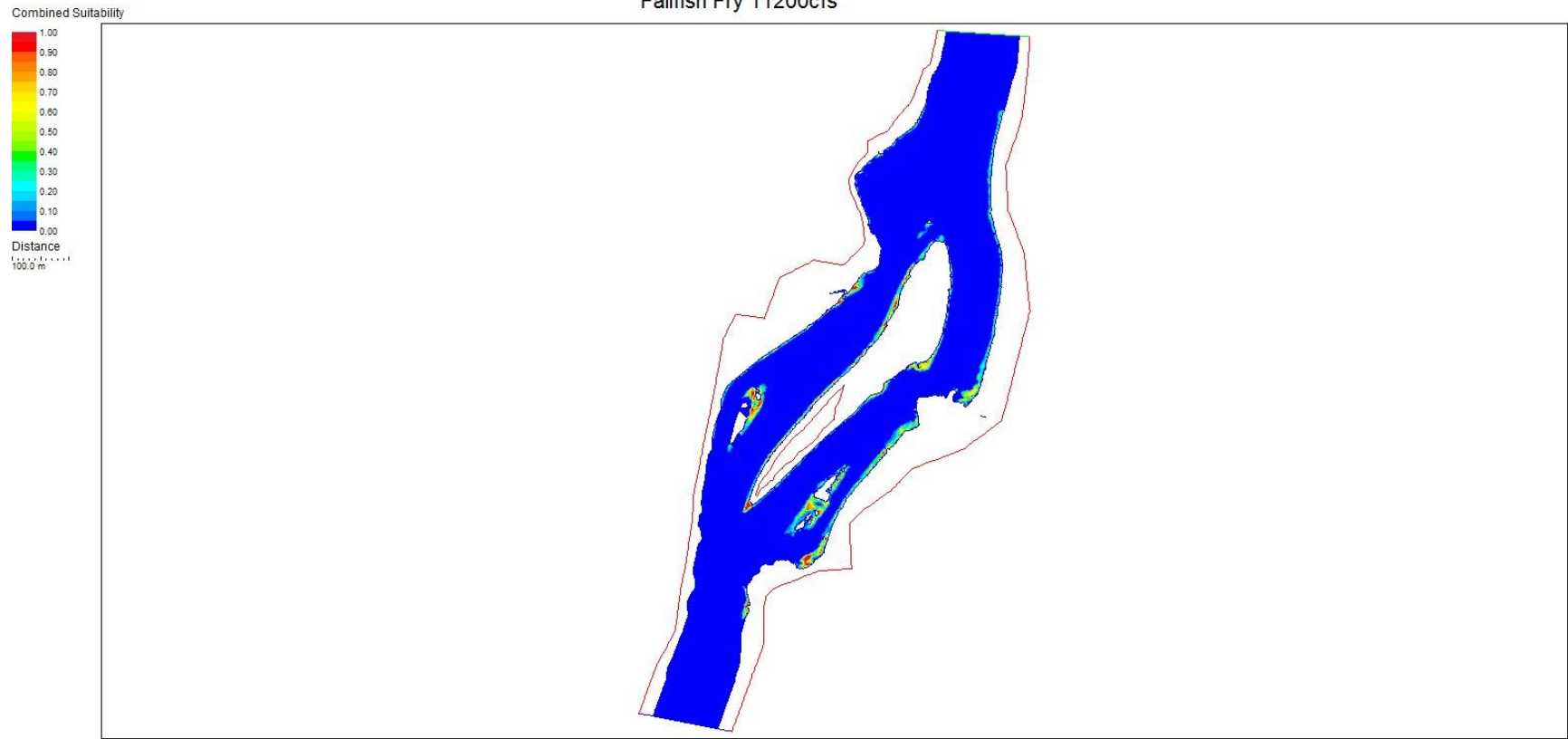
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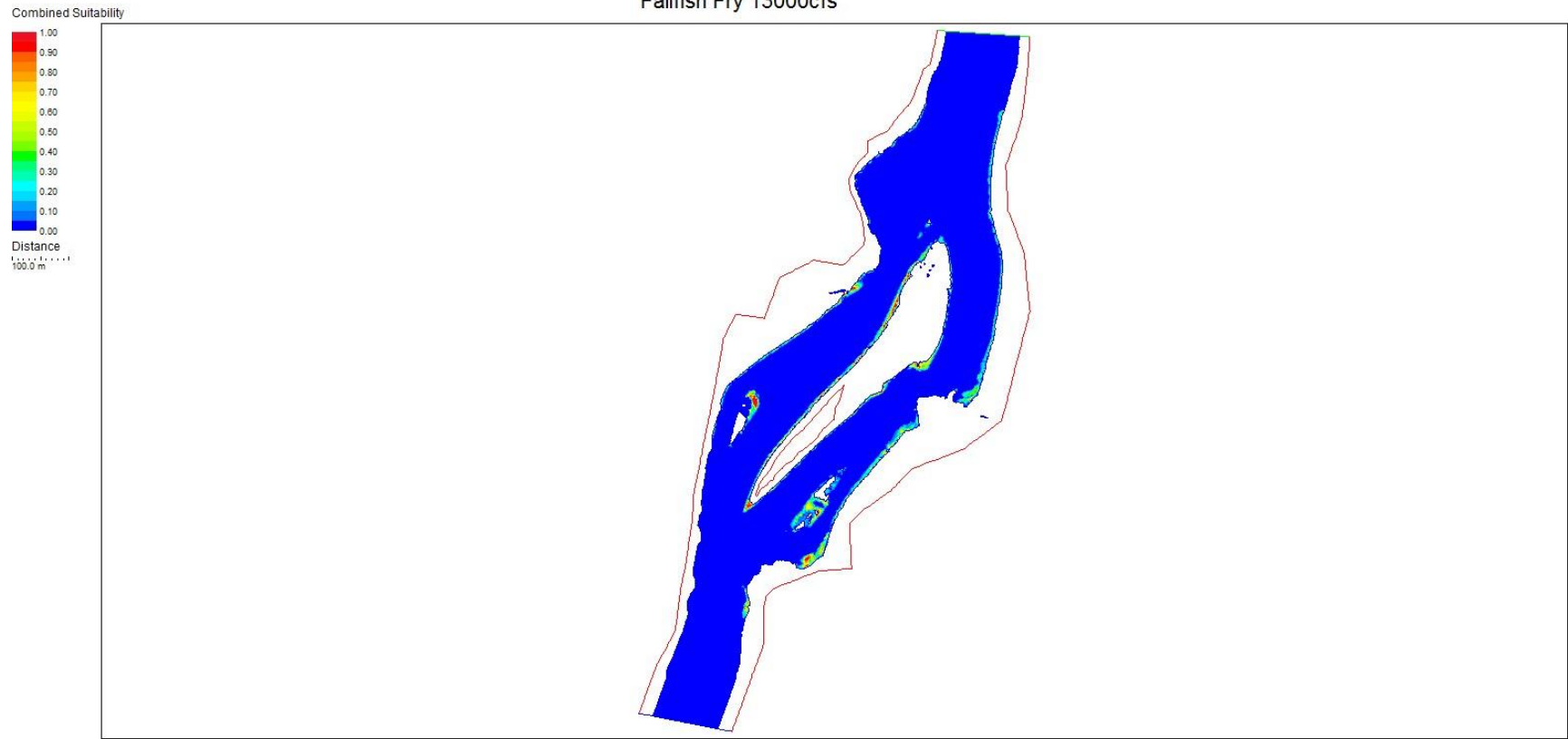
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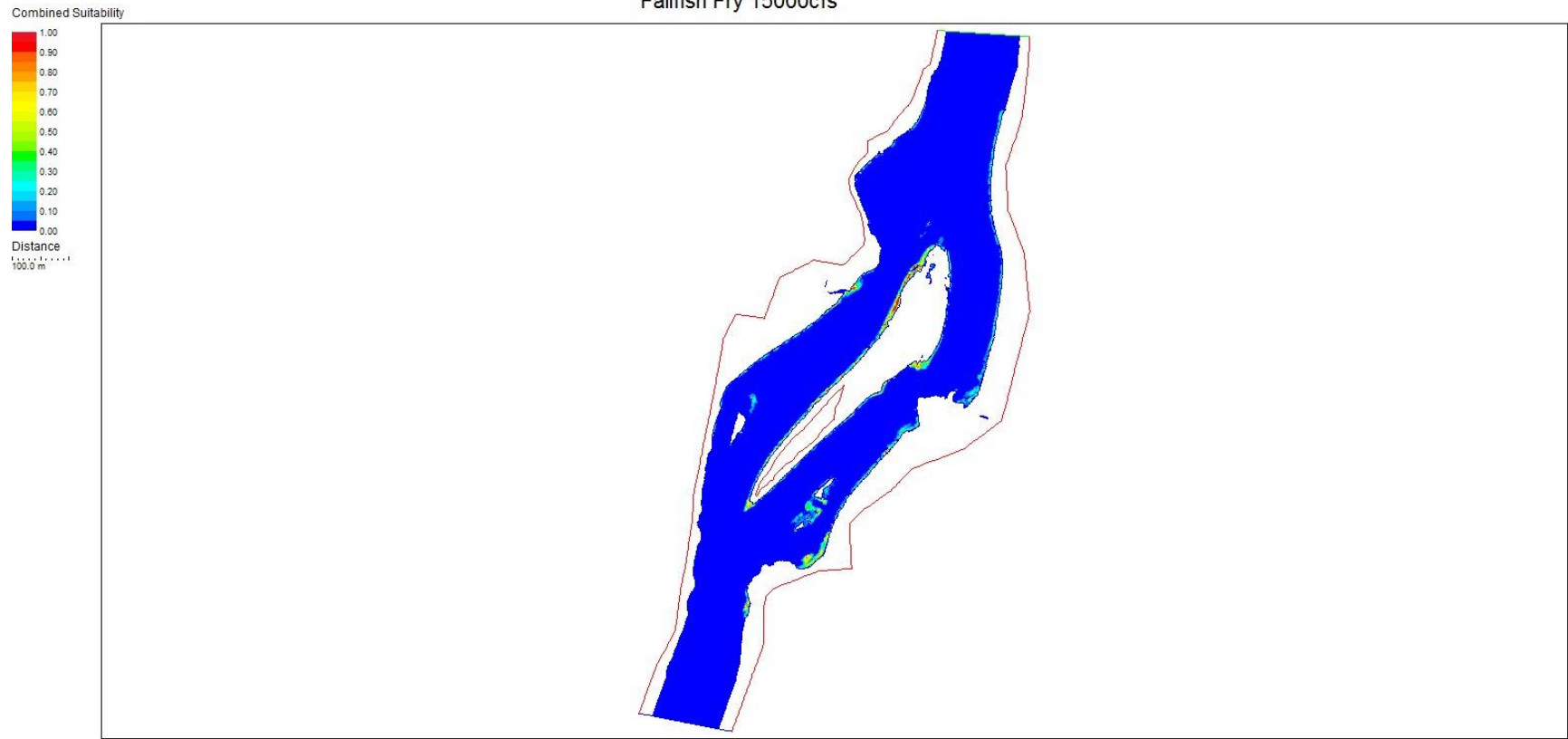
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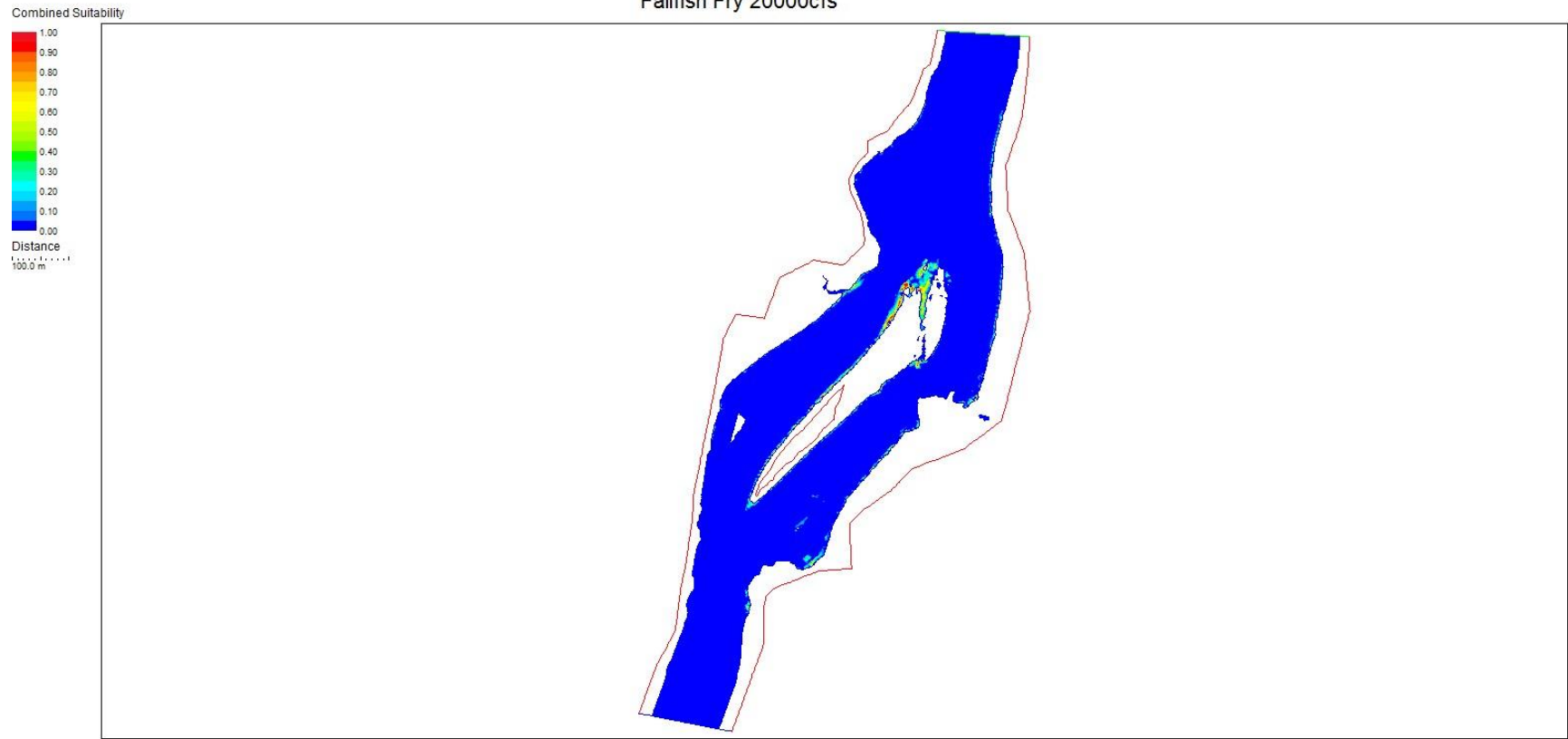
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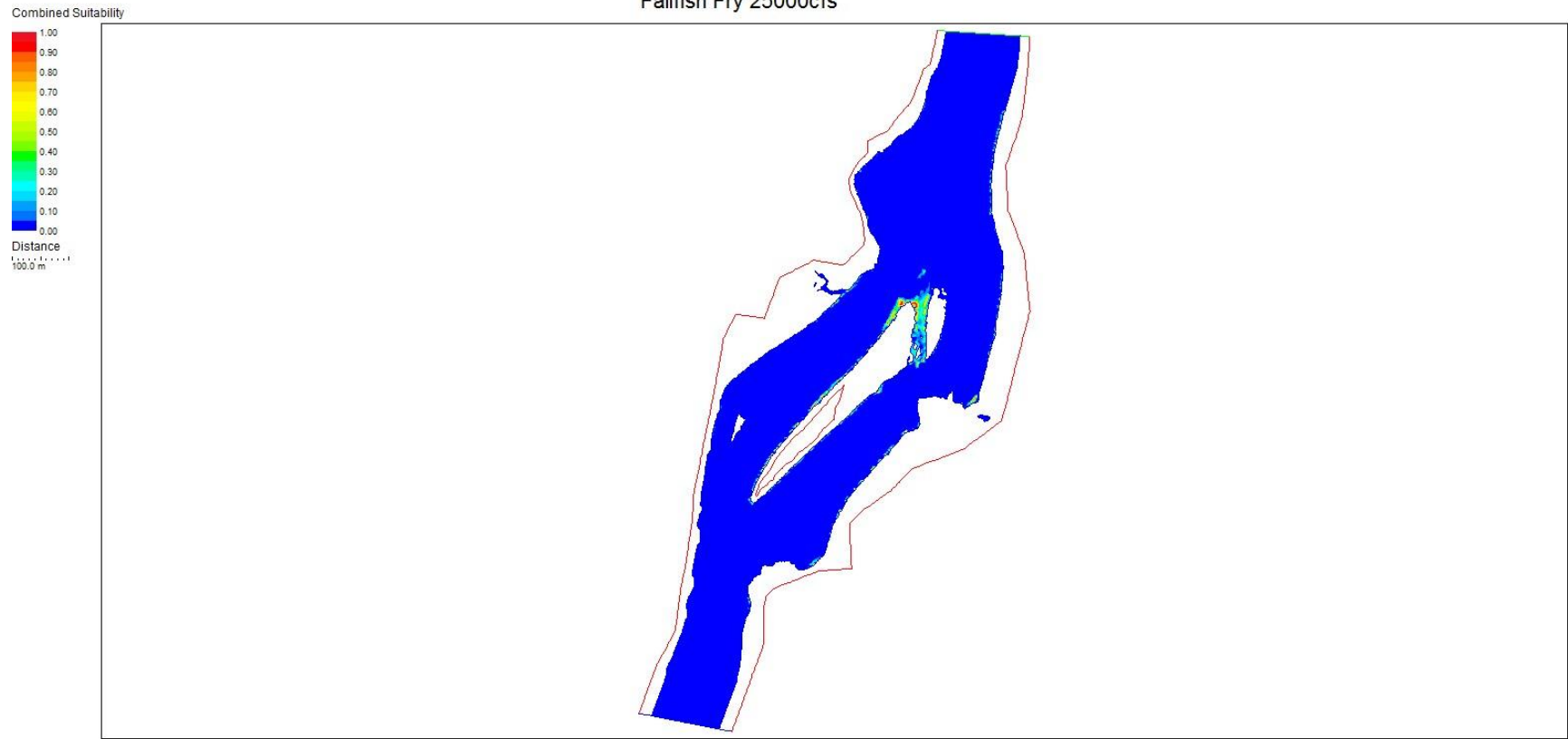
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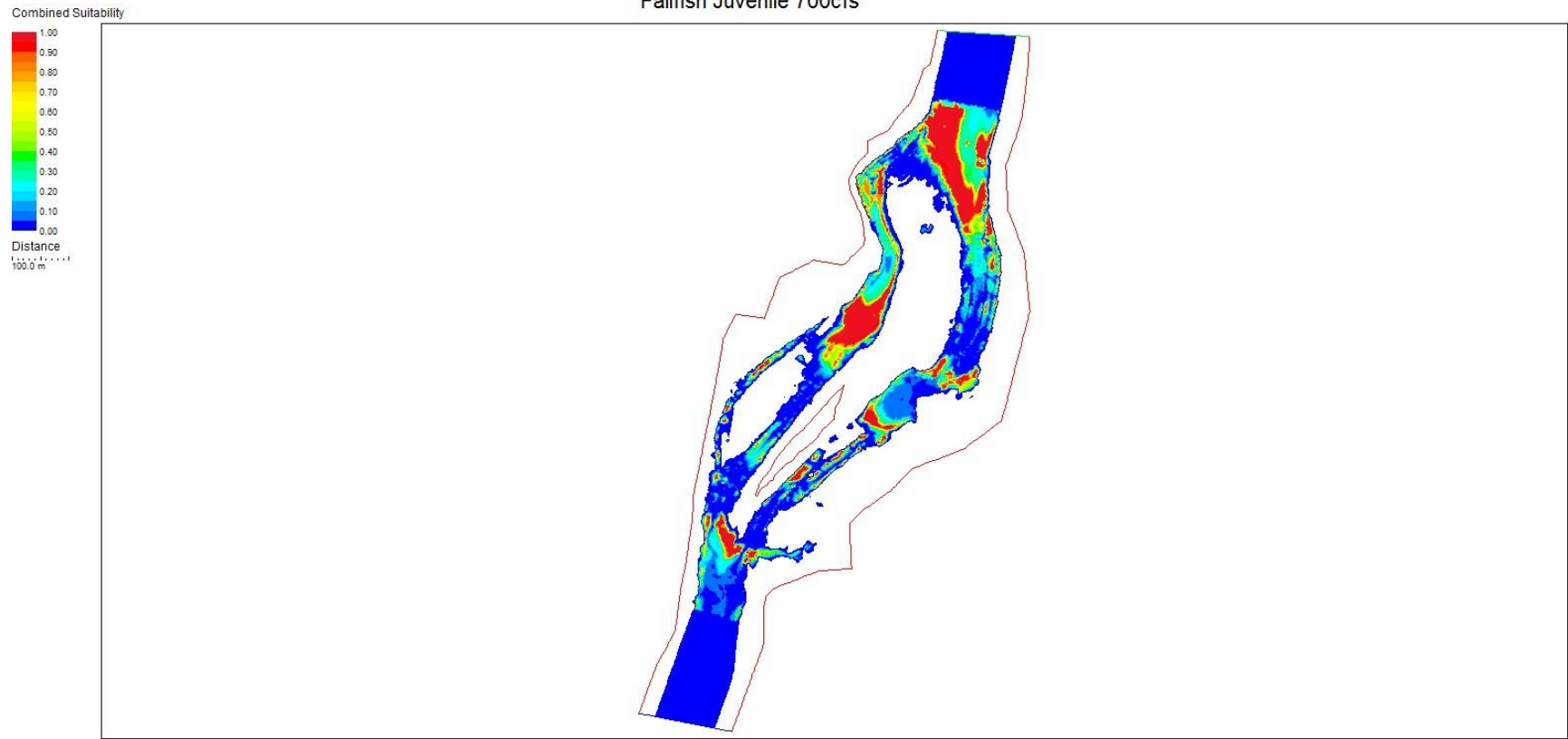
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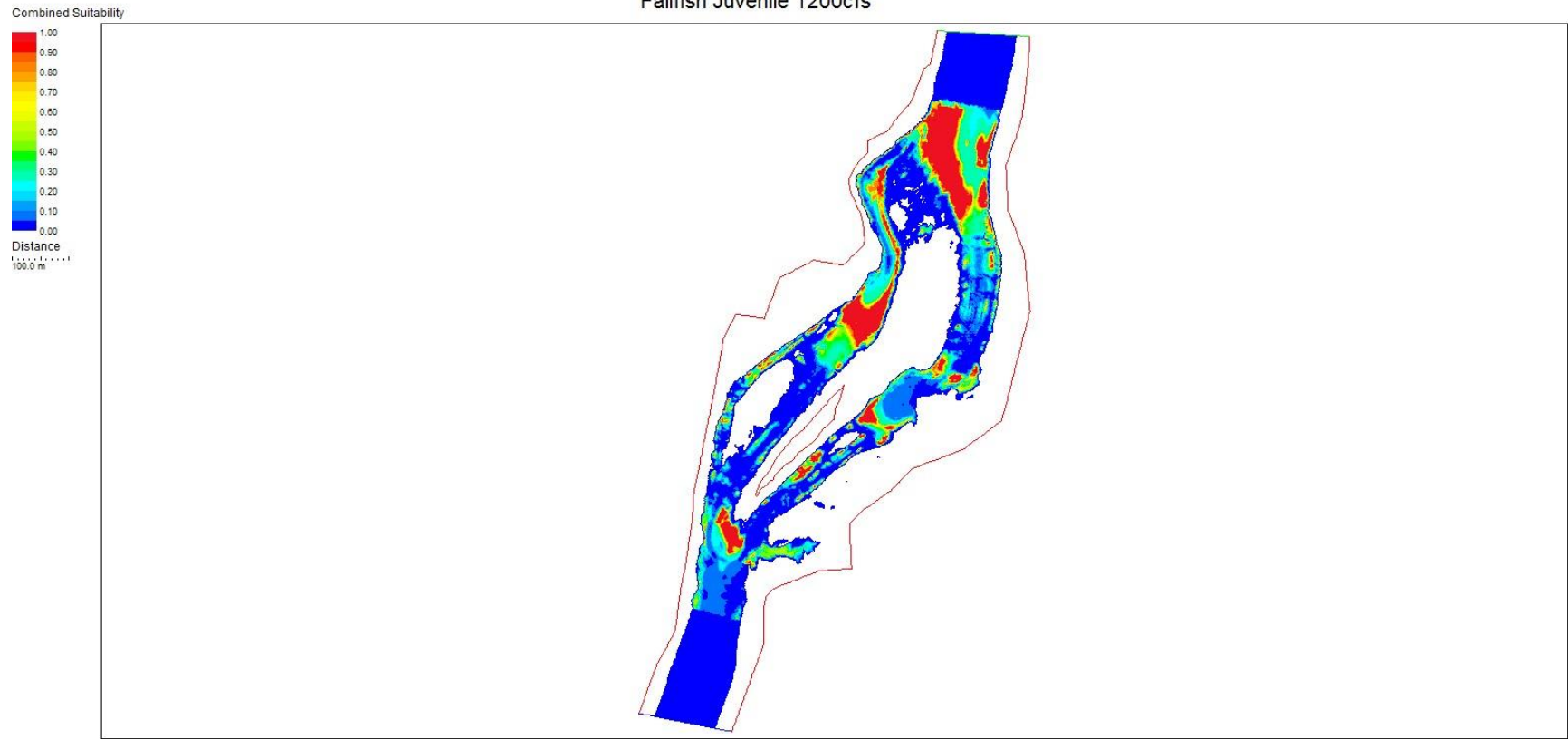
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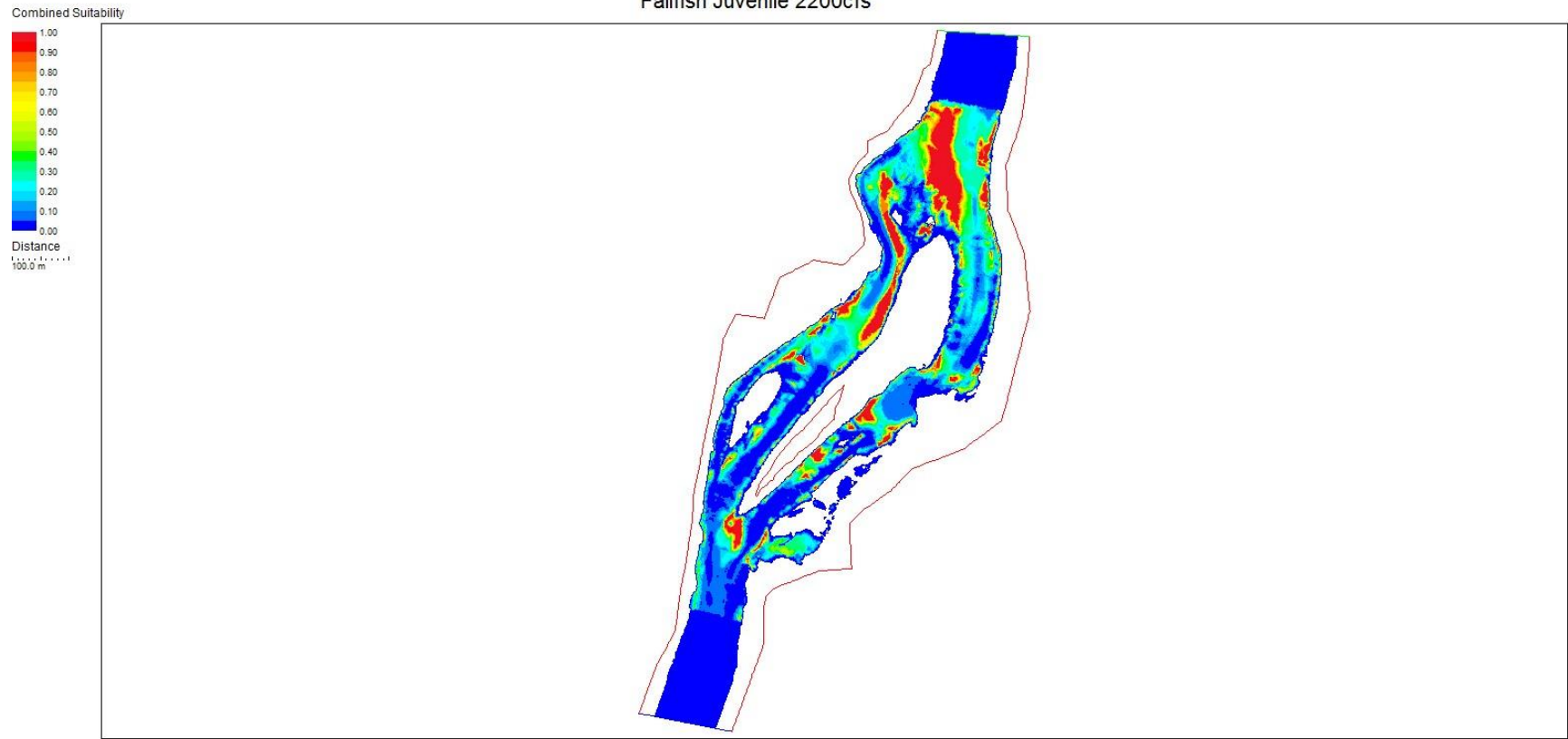
Fallfish Juvenile 700cfs



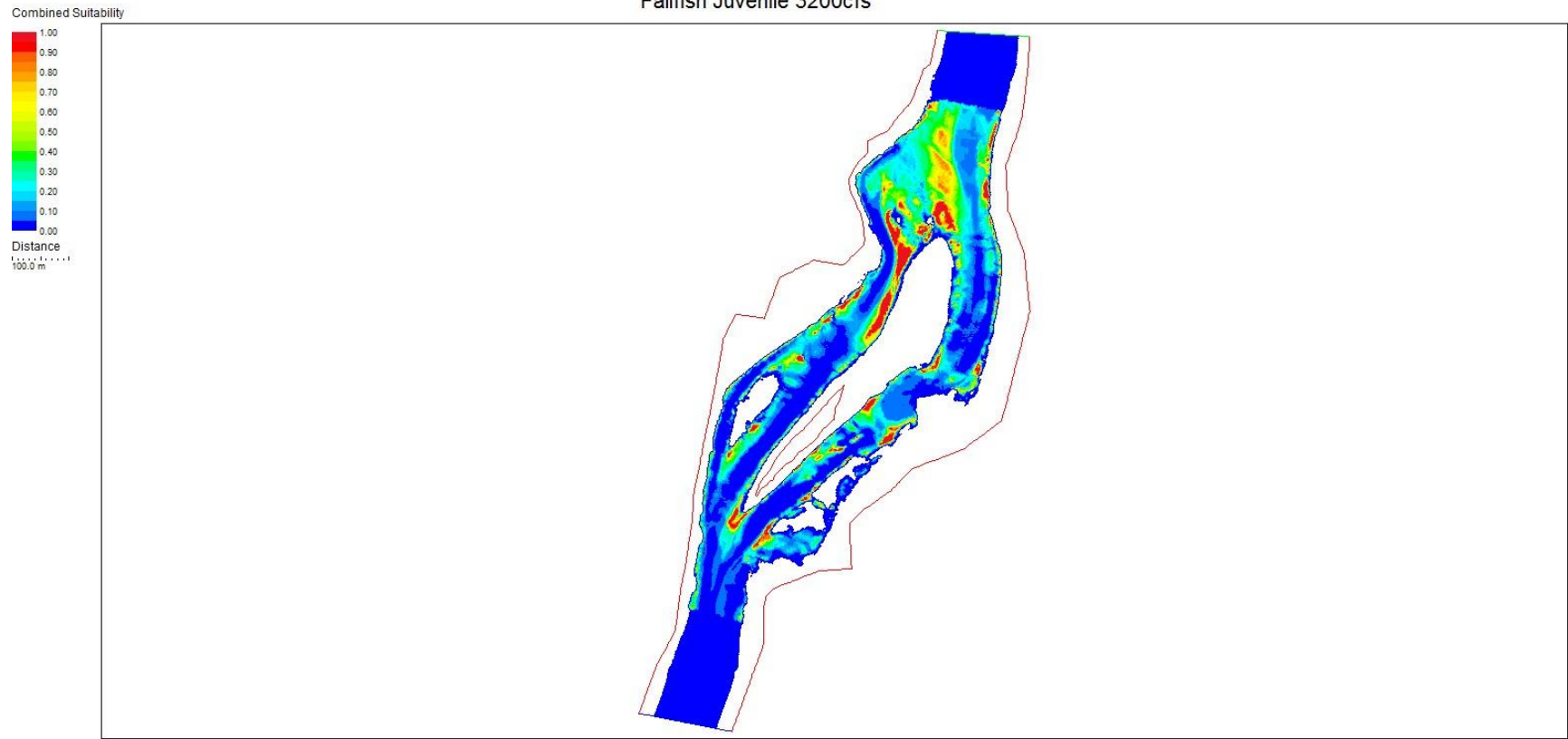
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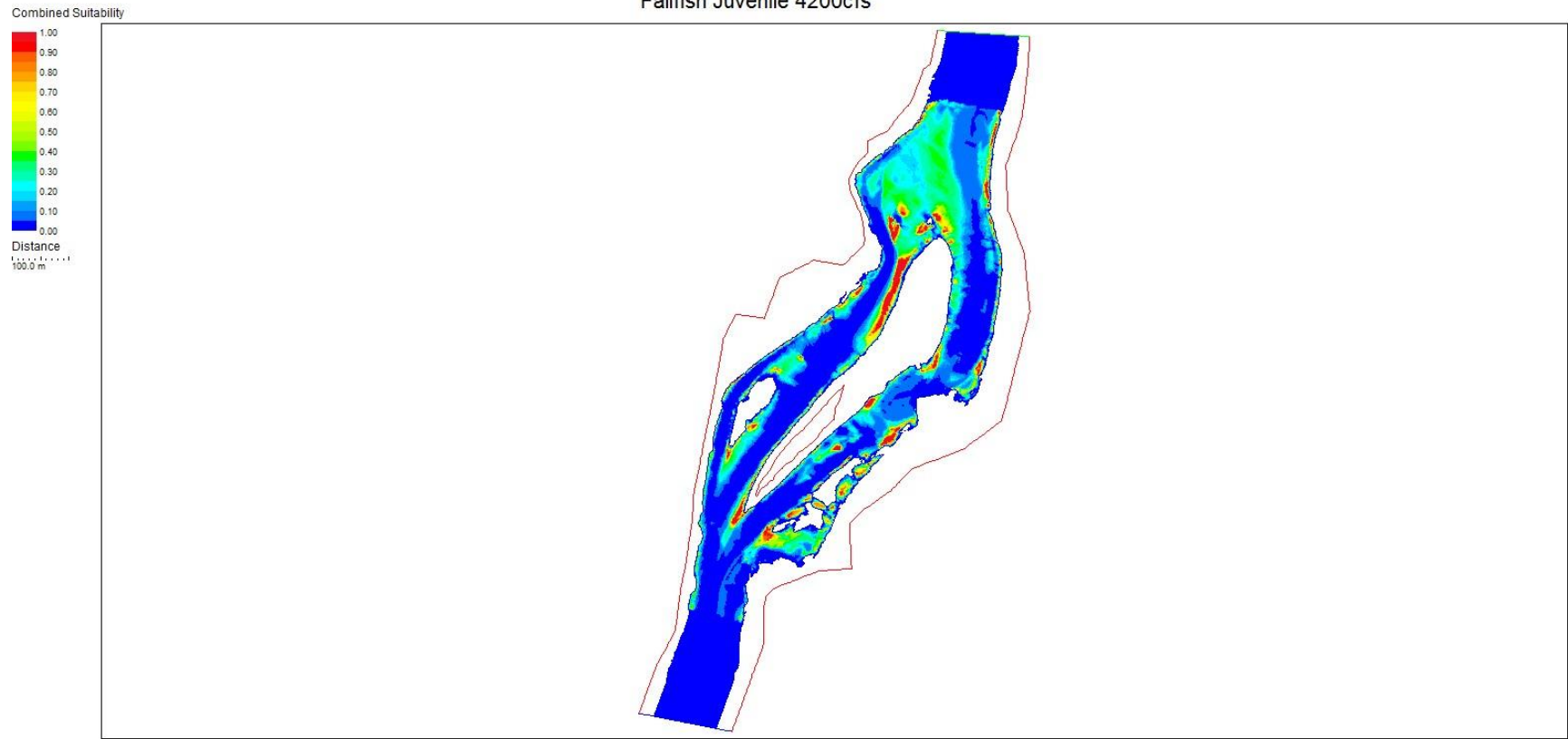
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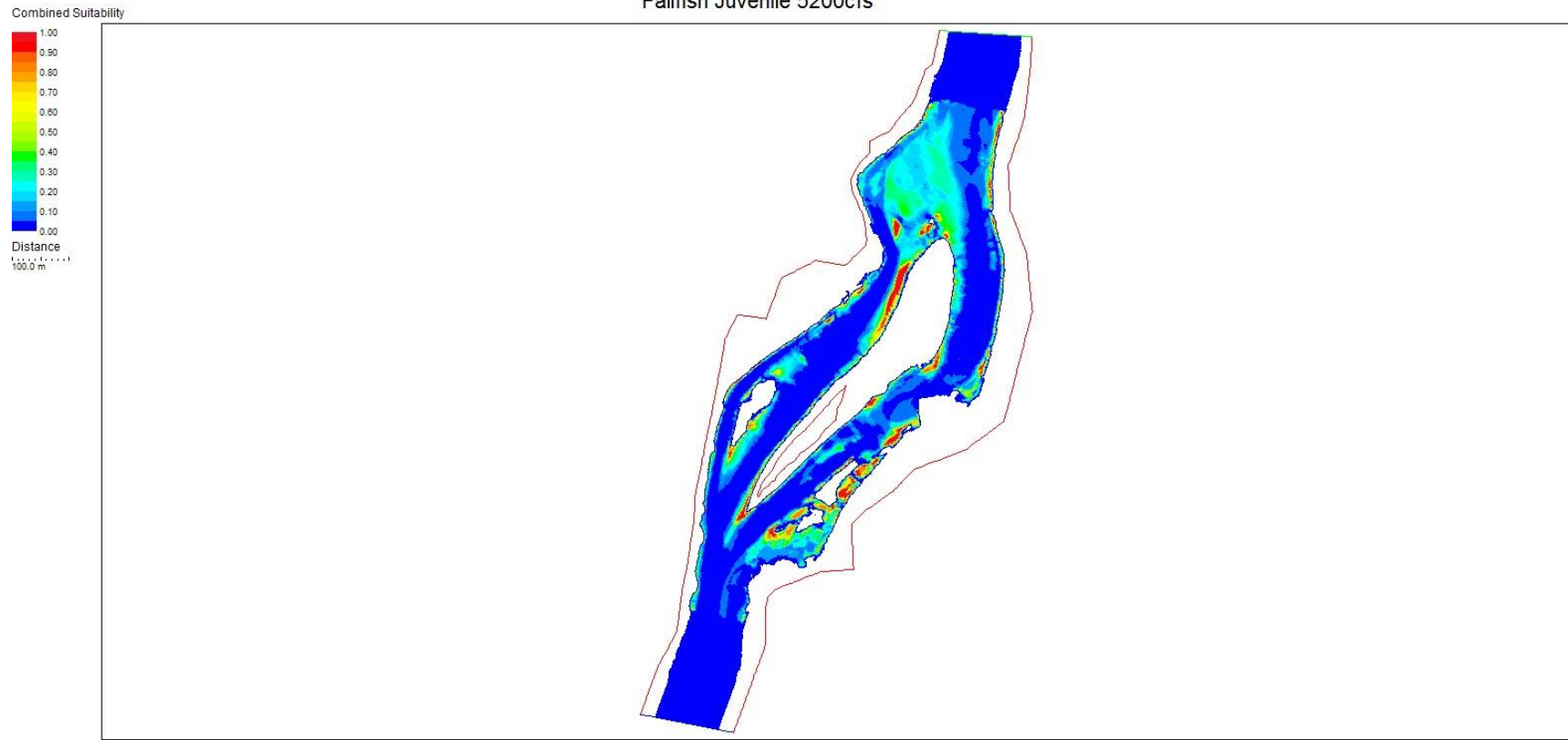
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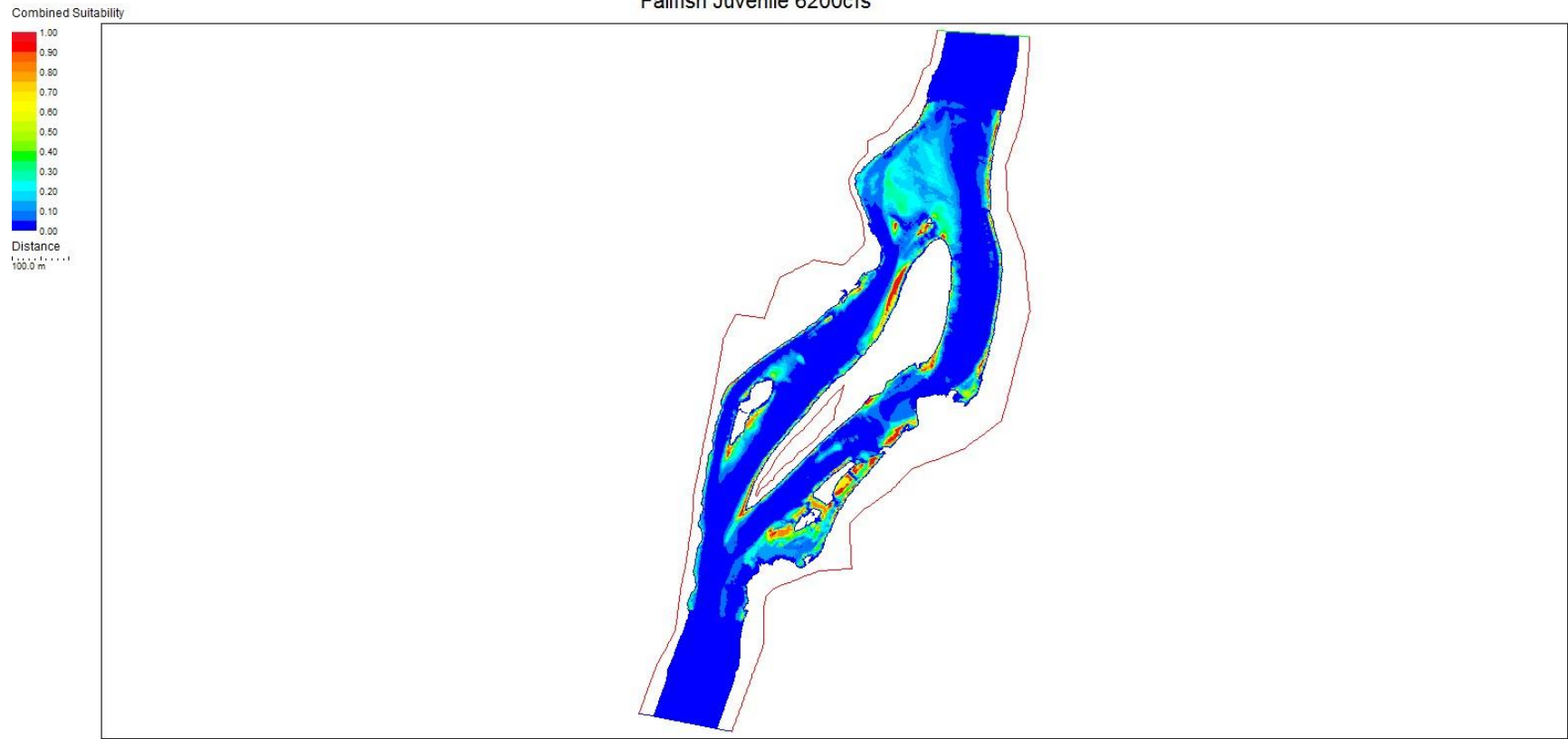
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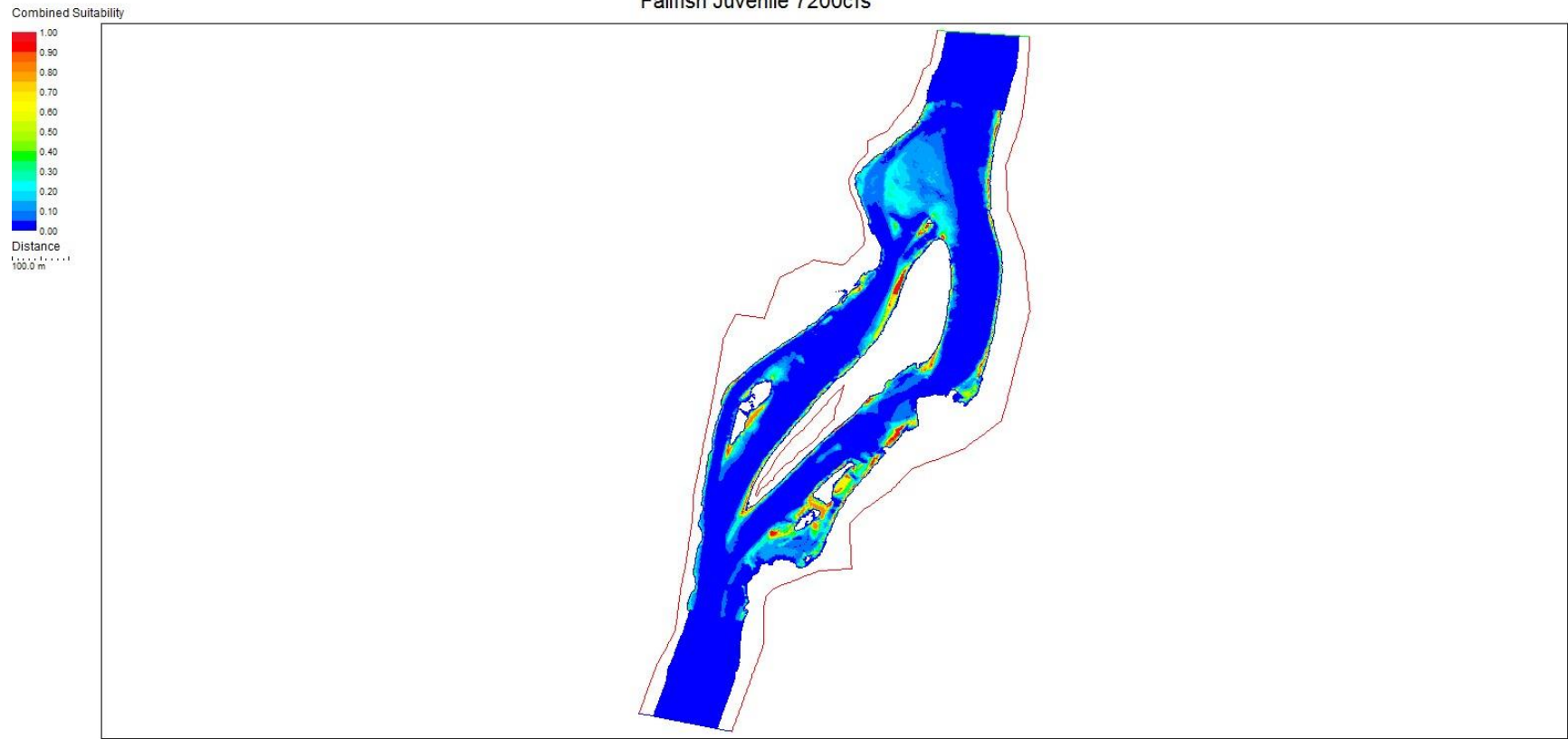
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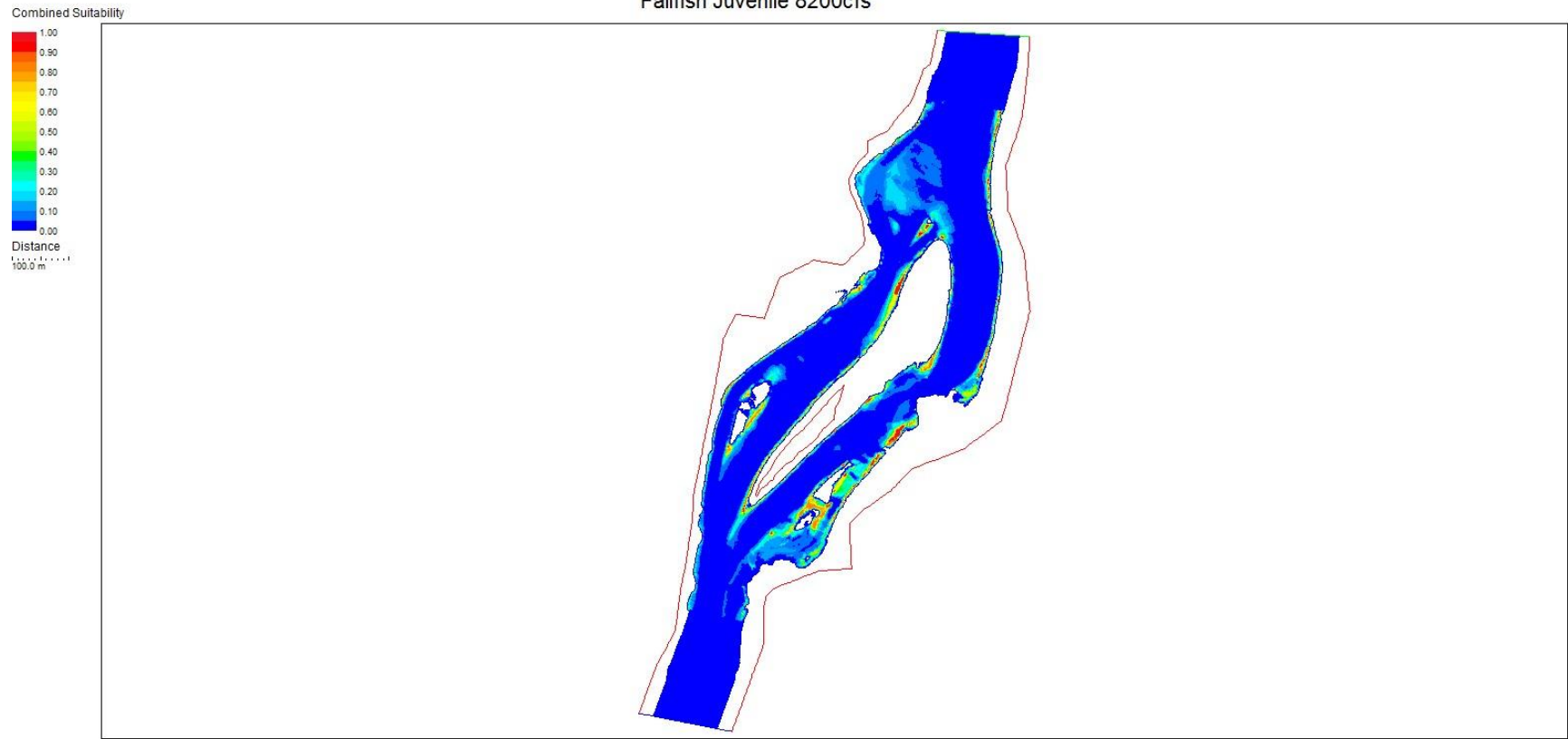
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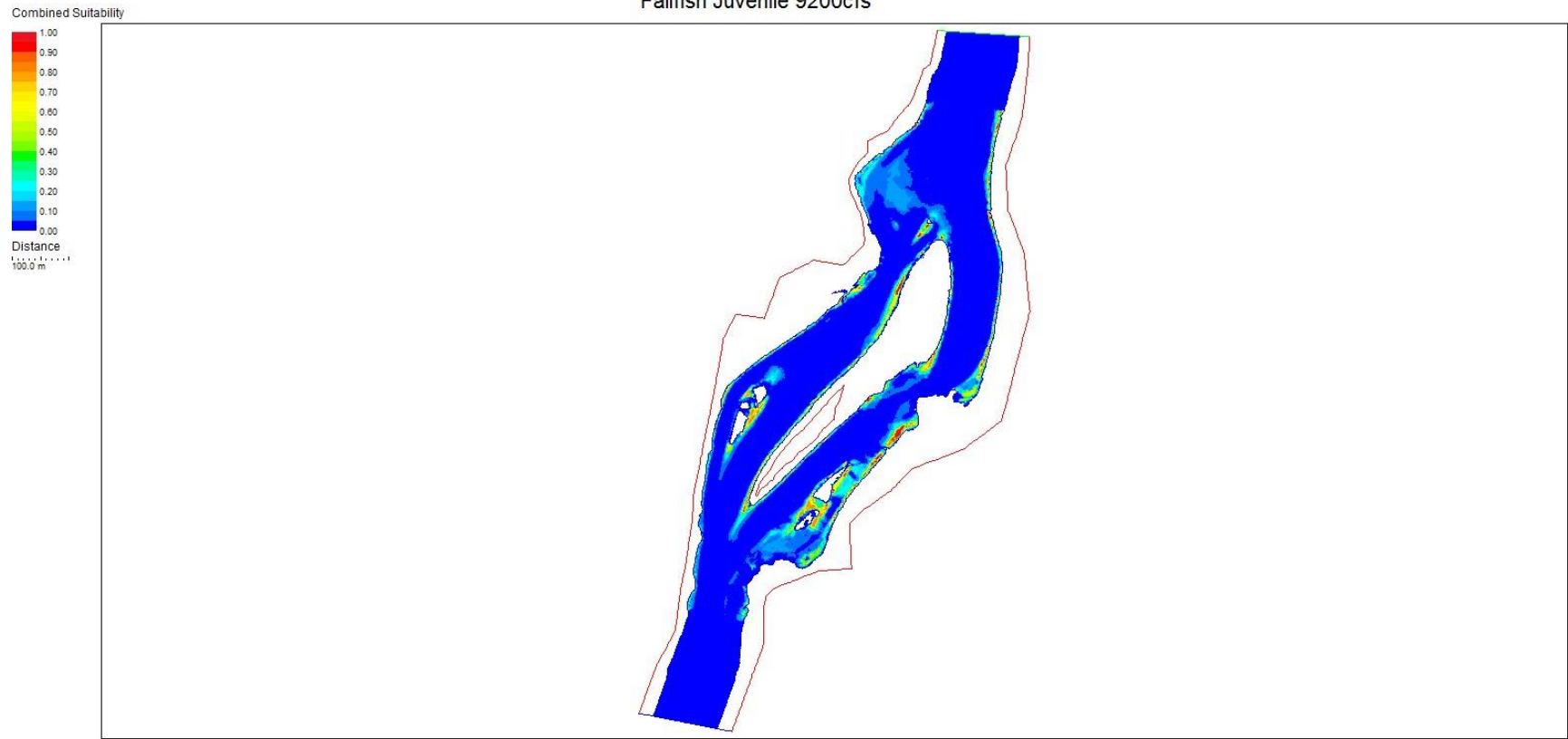
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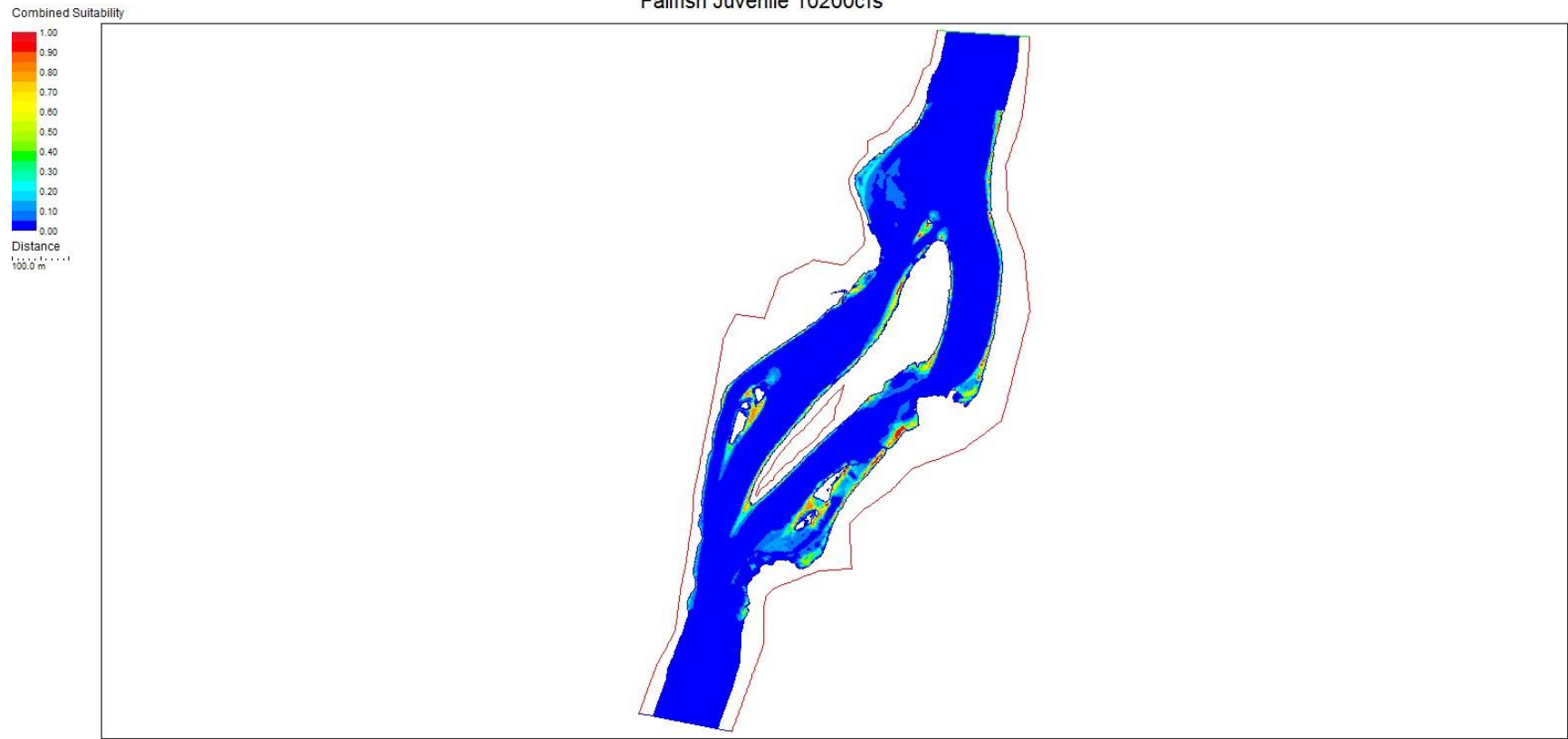
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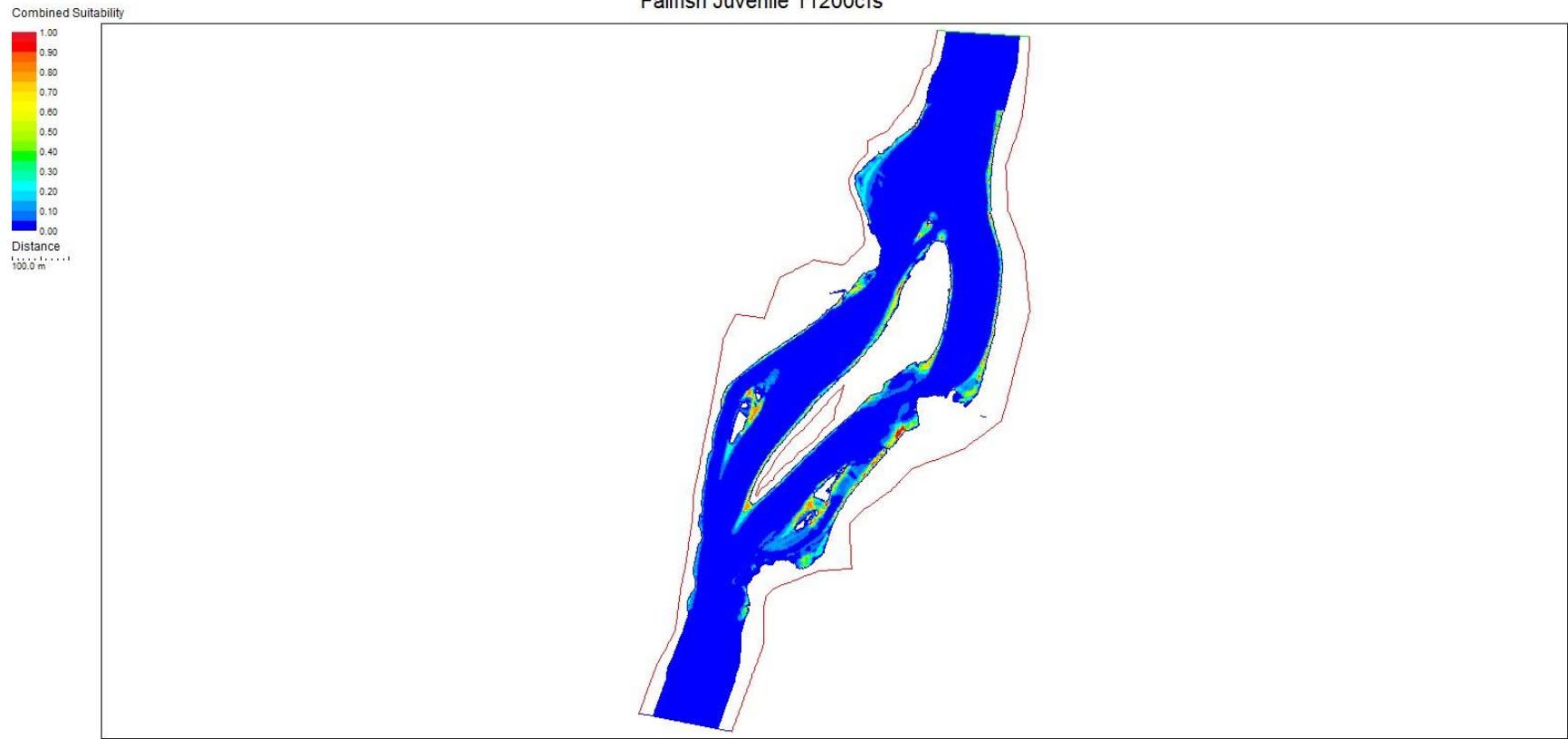
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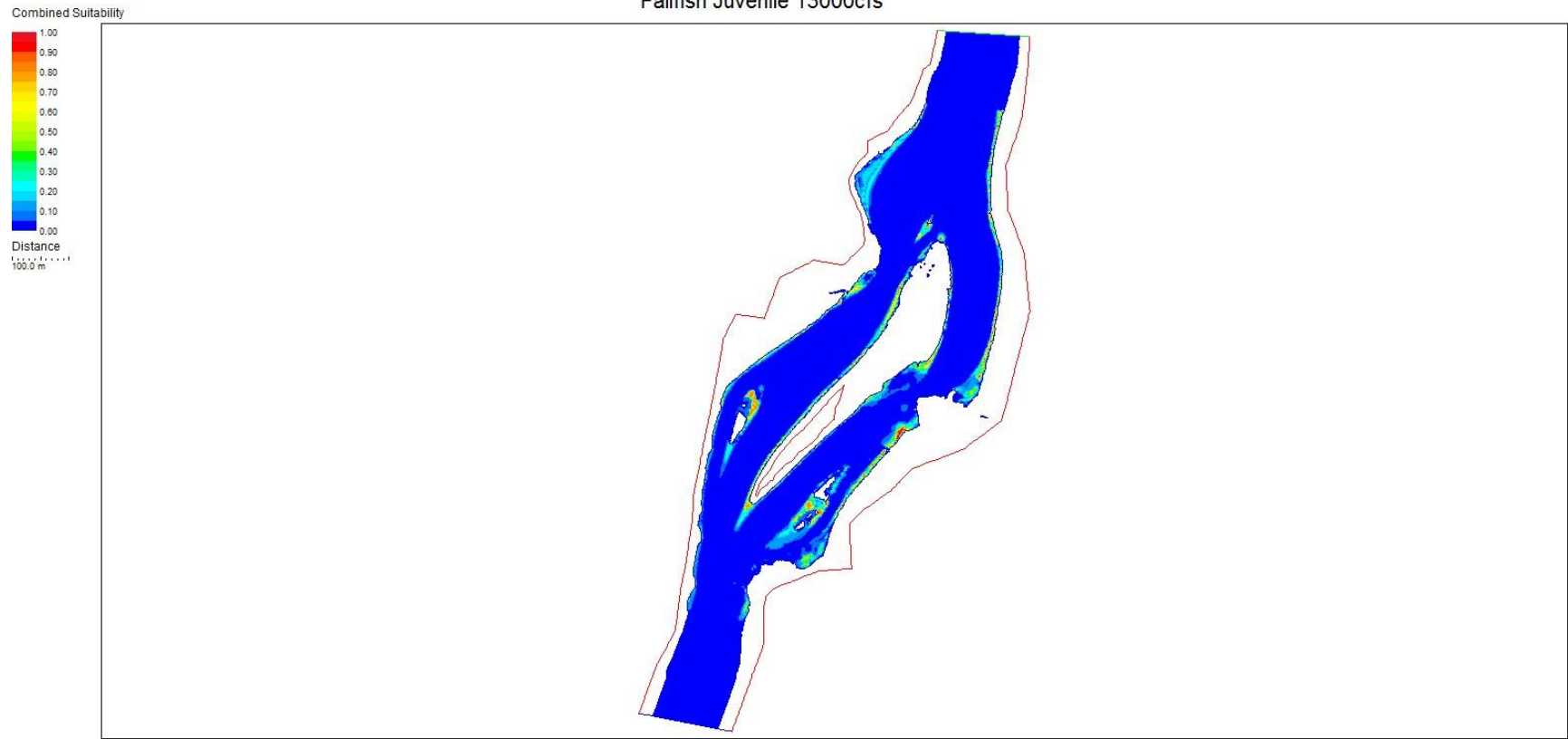
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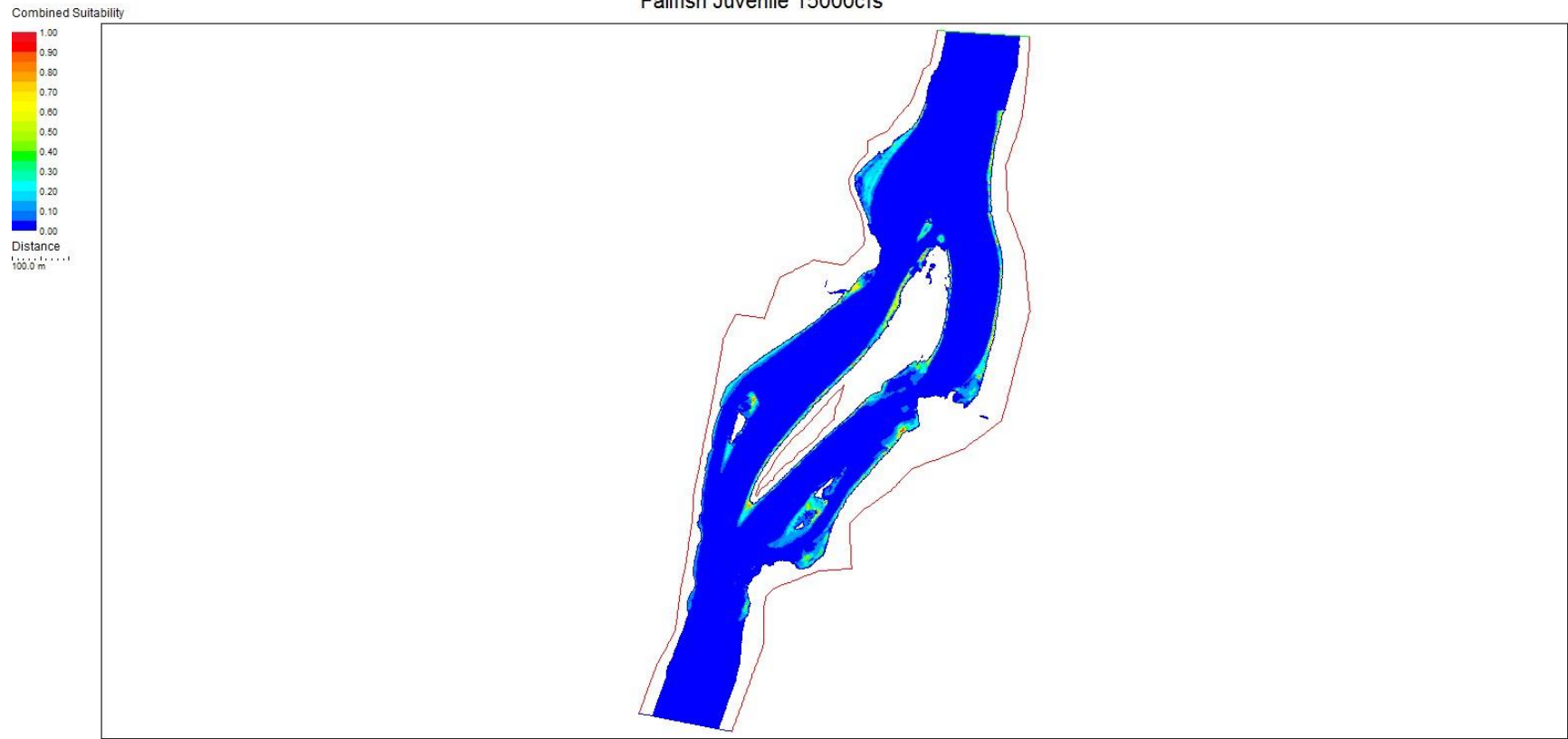
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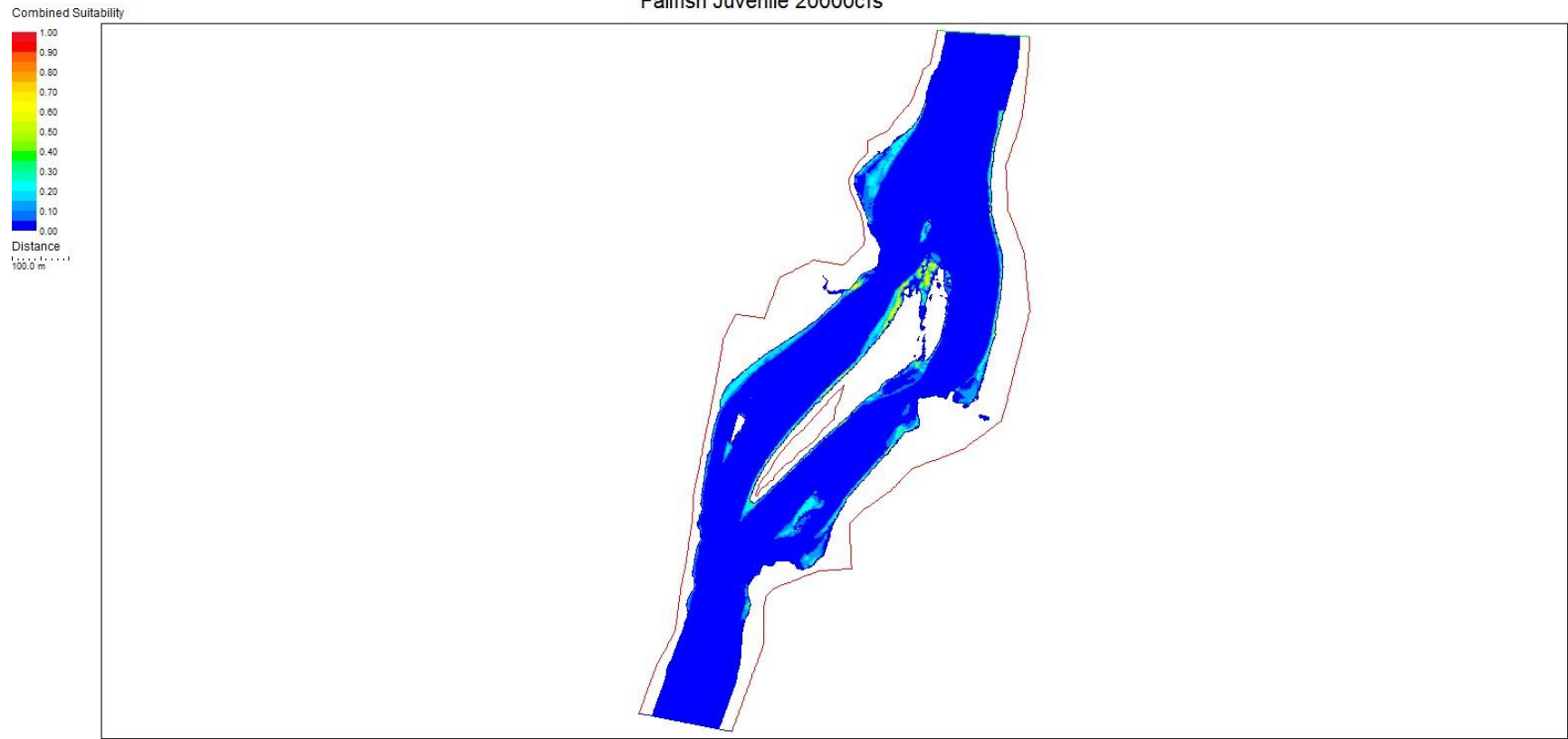
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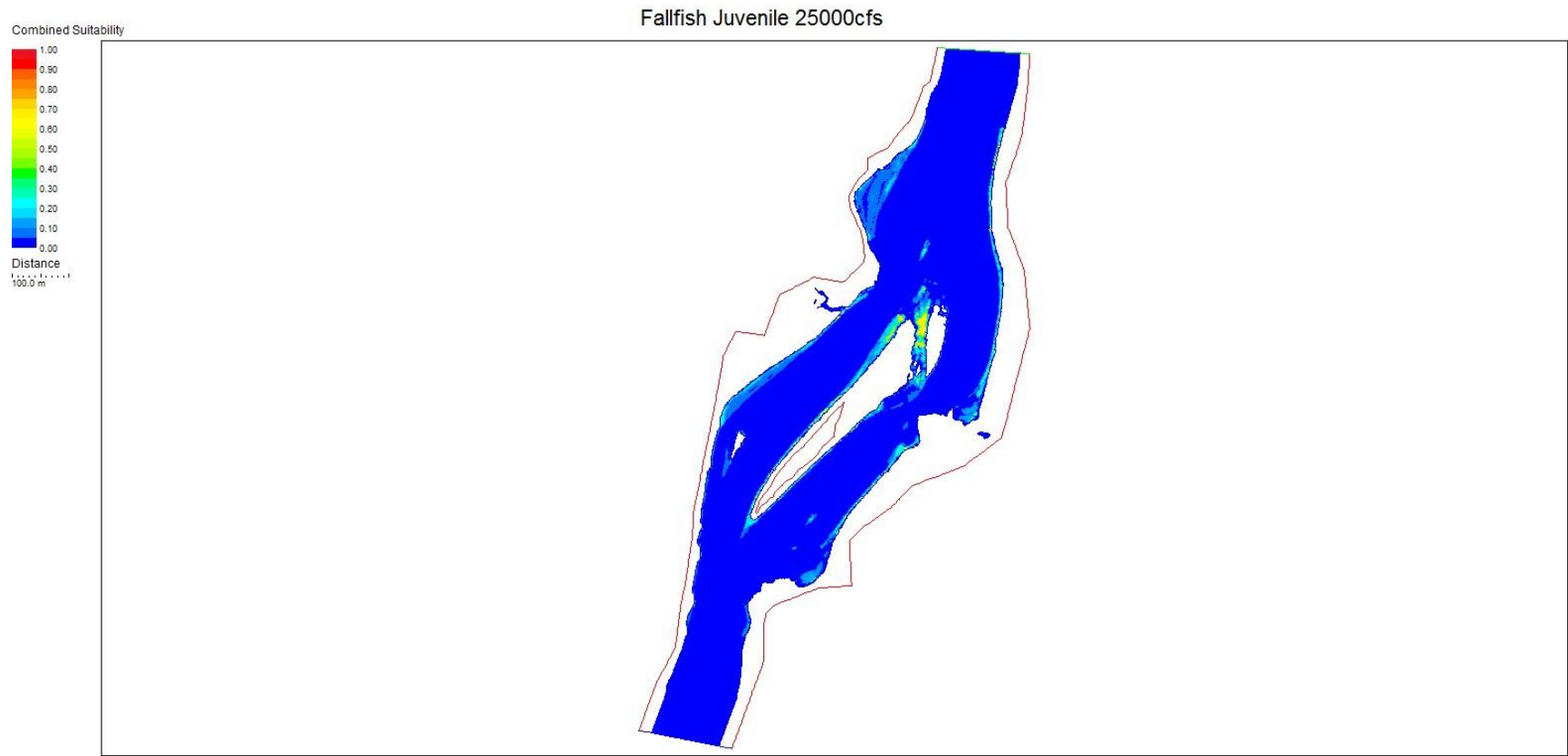


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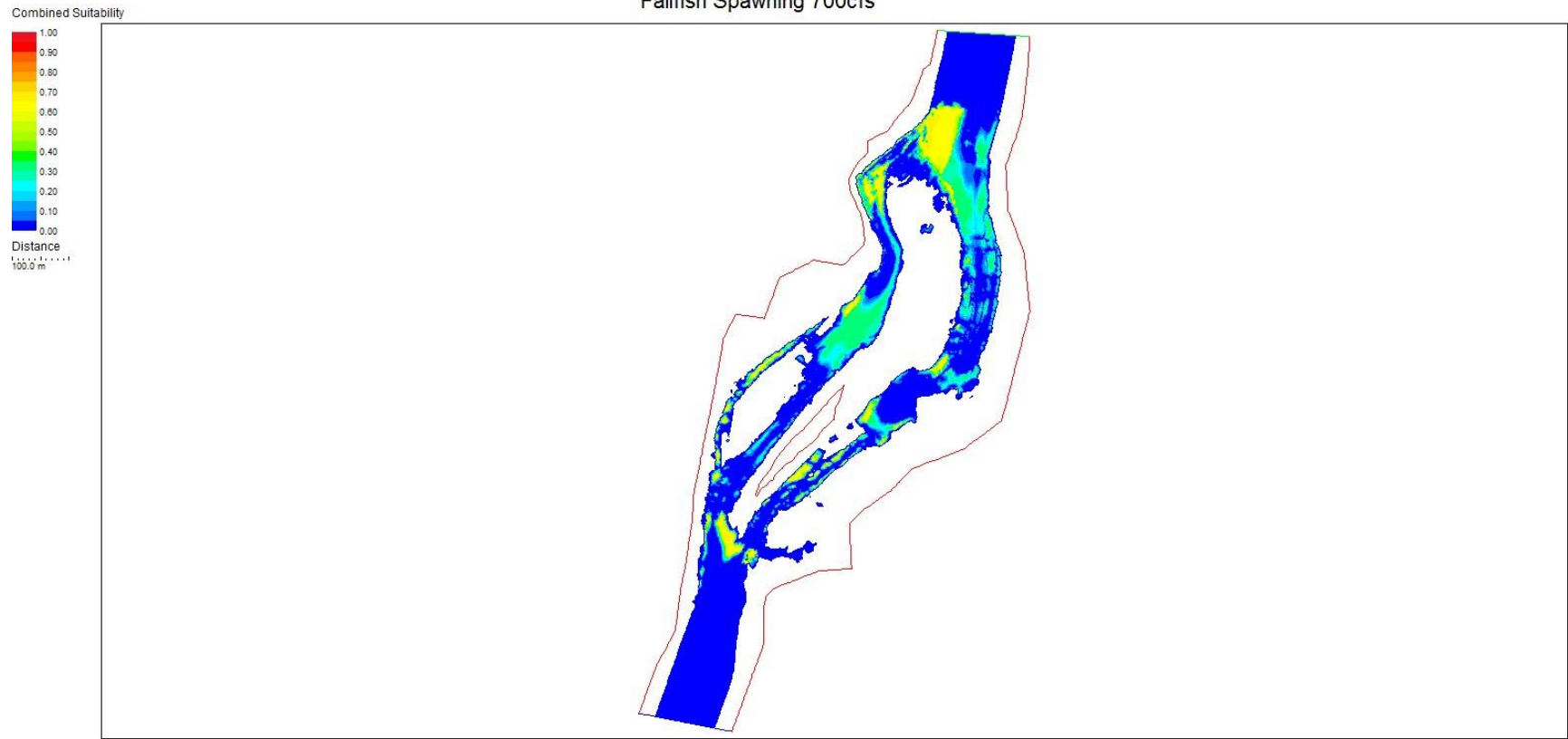


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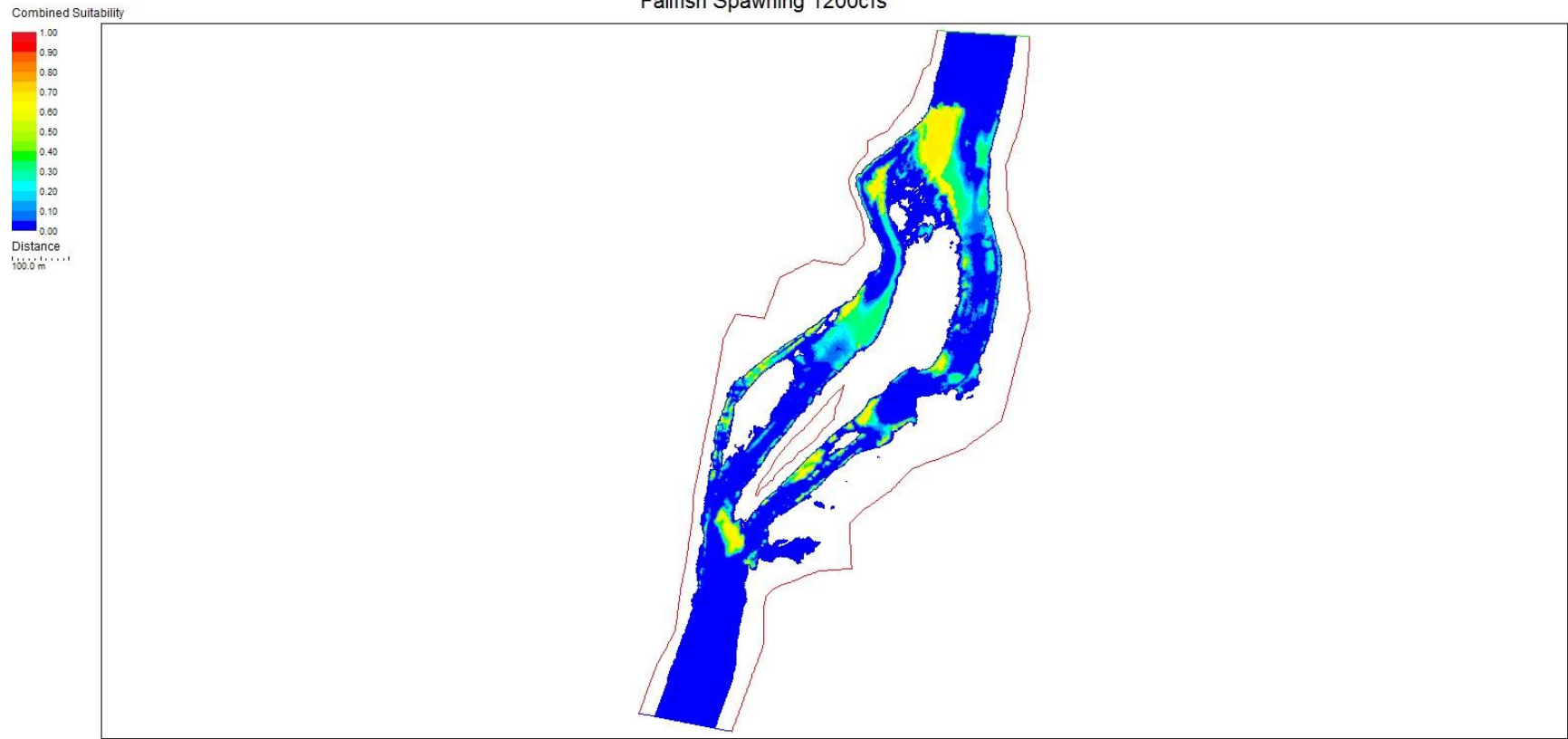




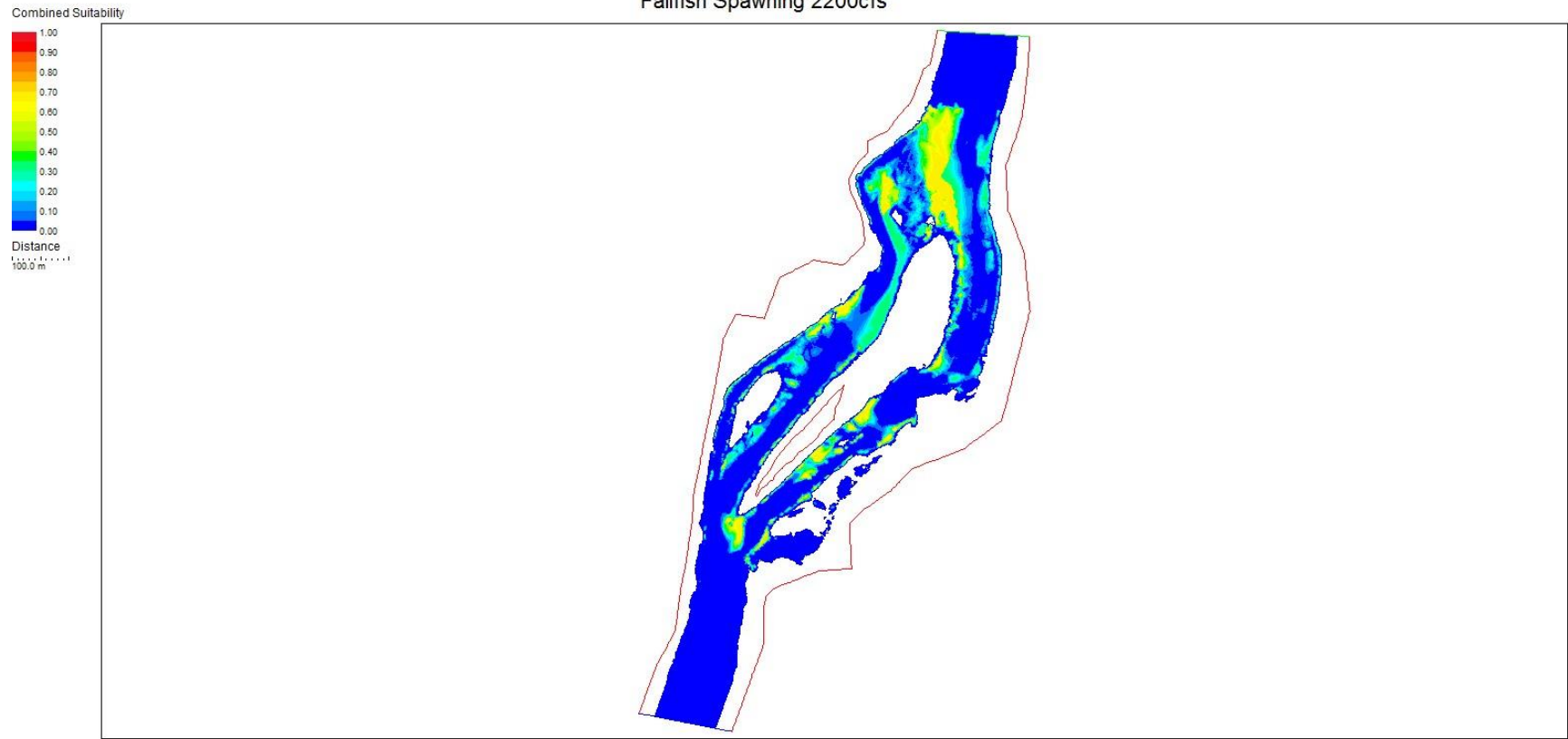
Fallfish Spawning 700cfs



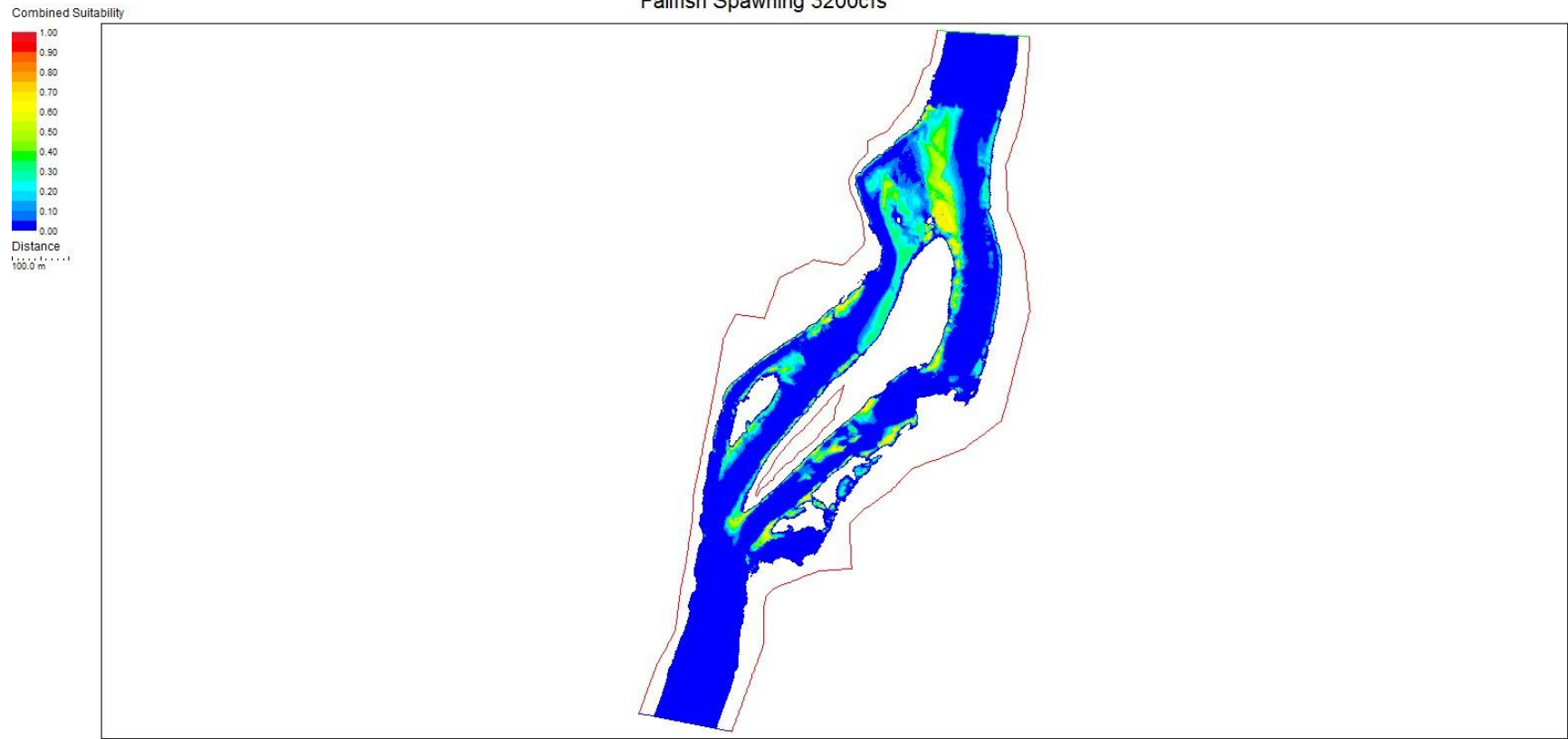
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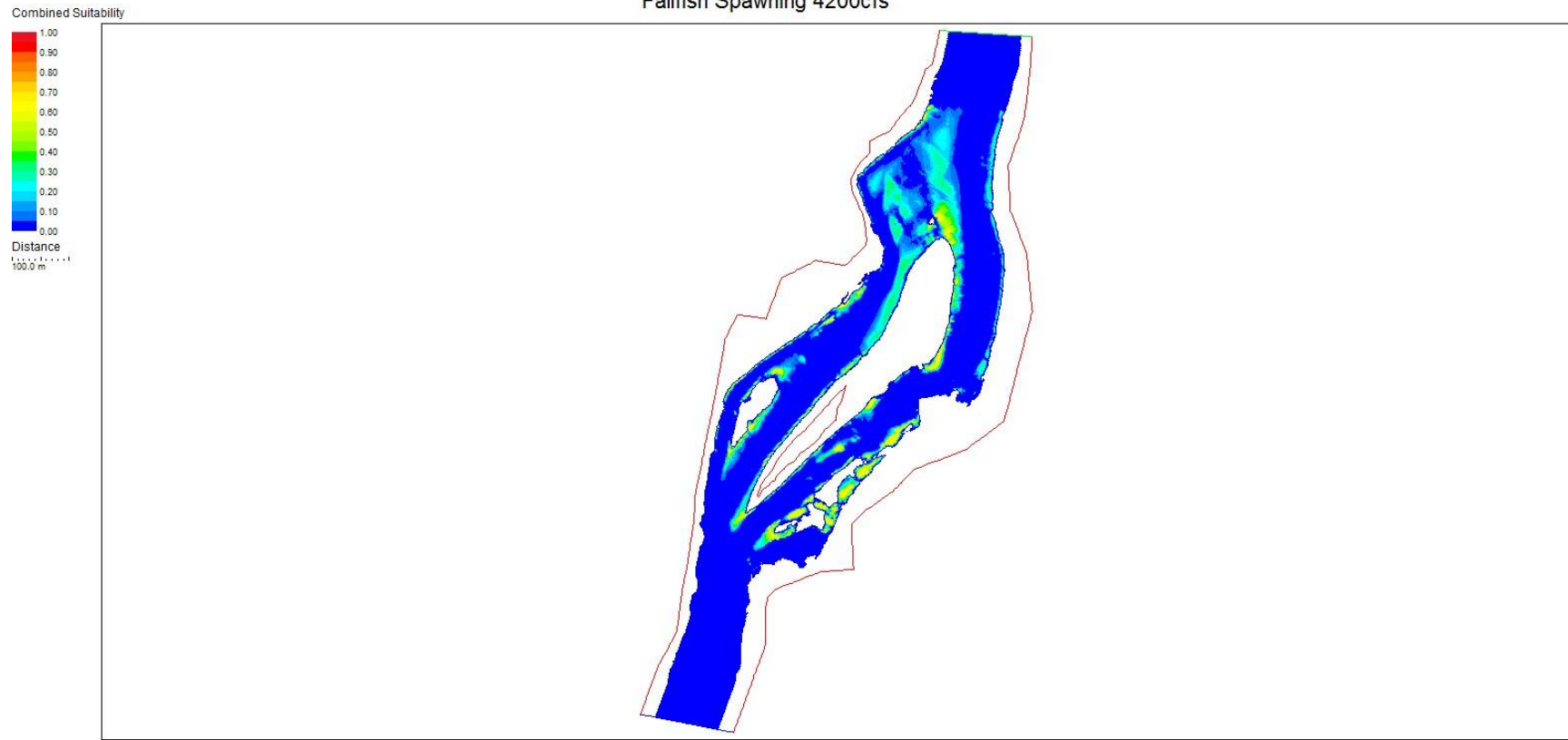
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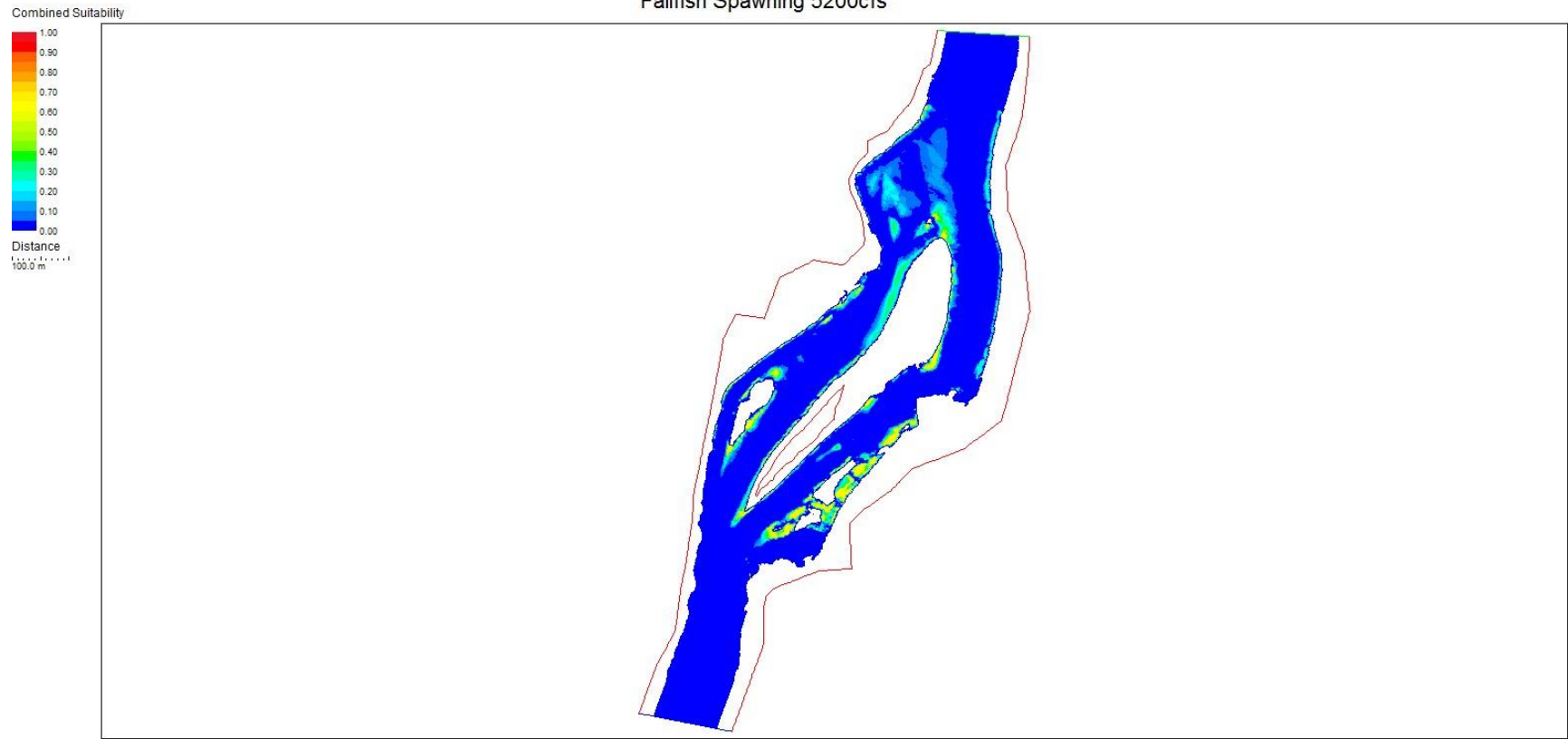
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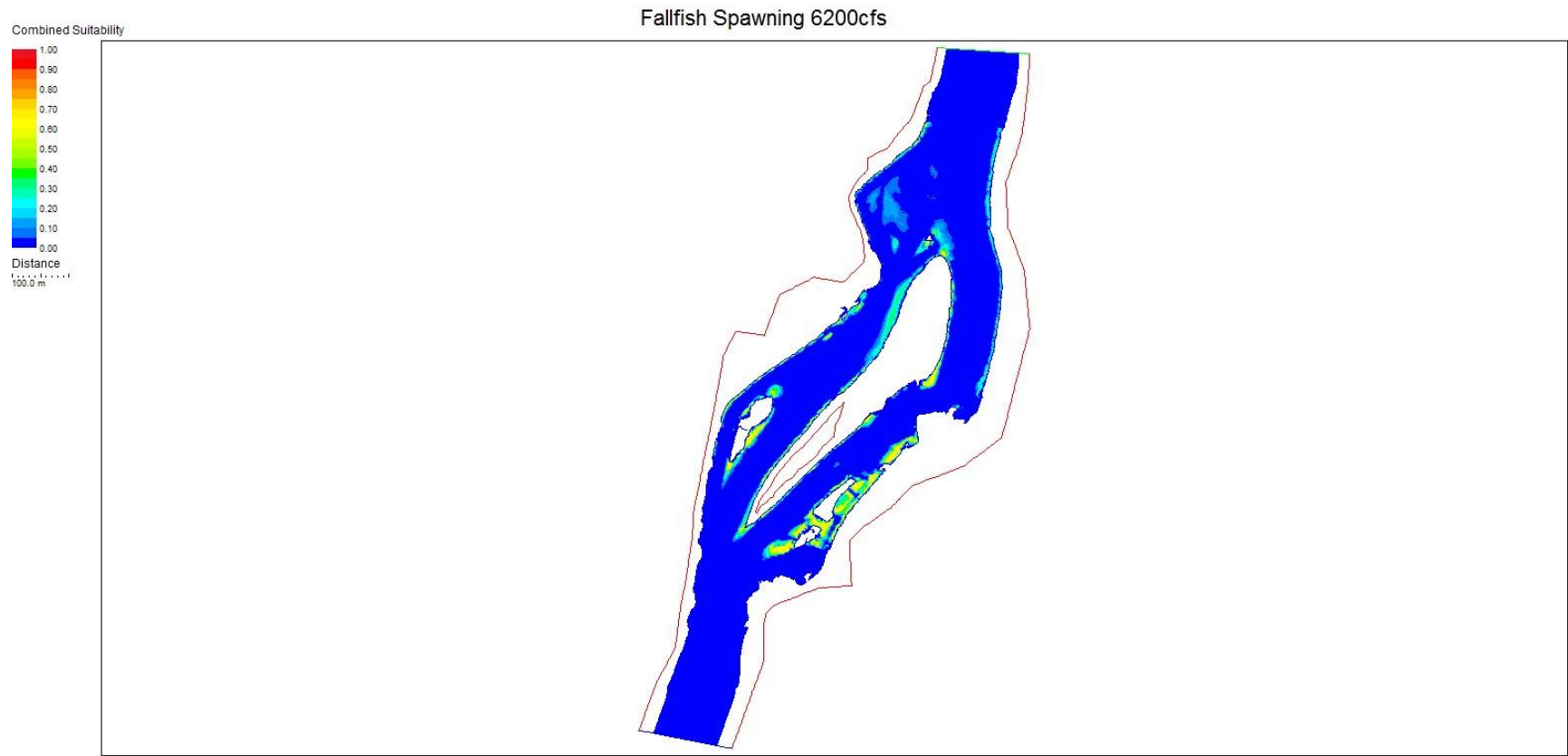


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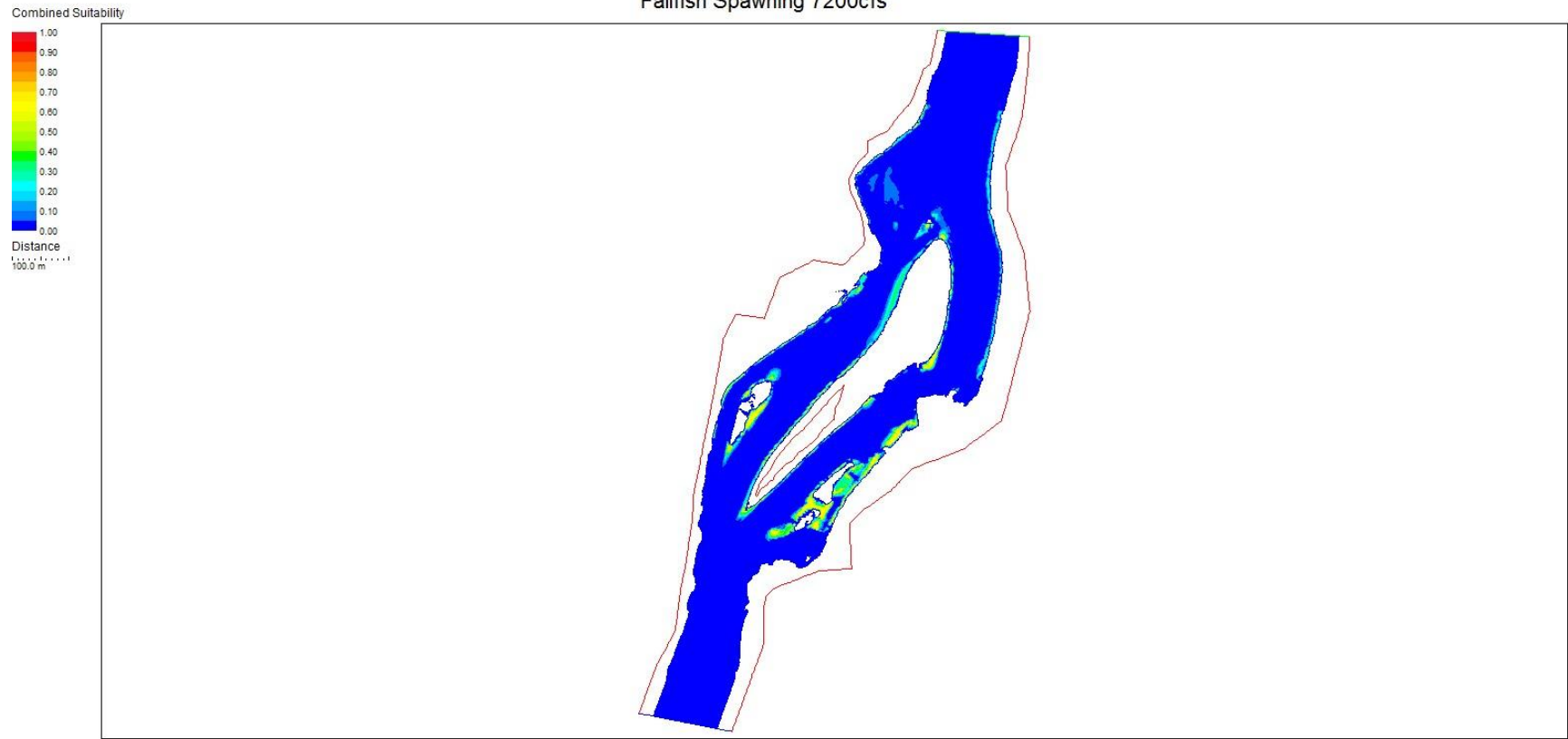


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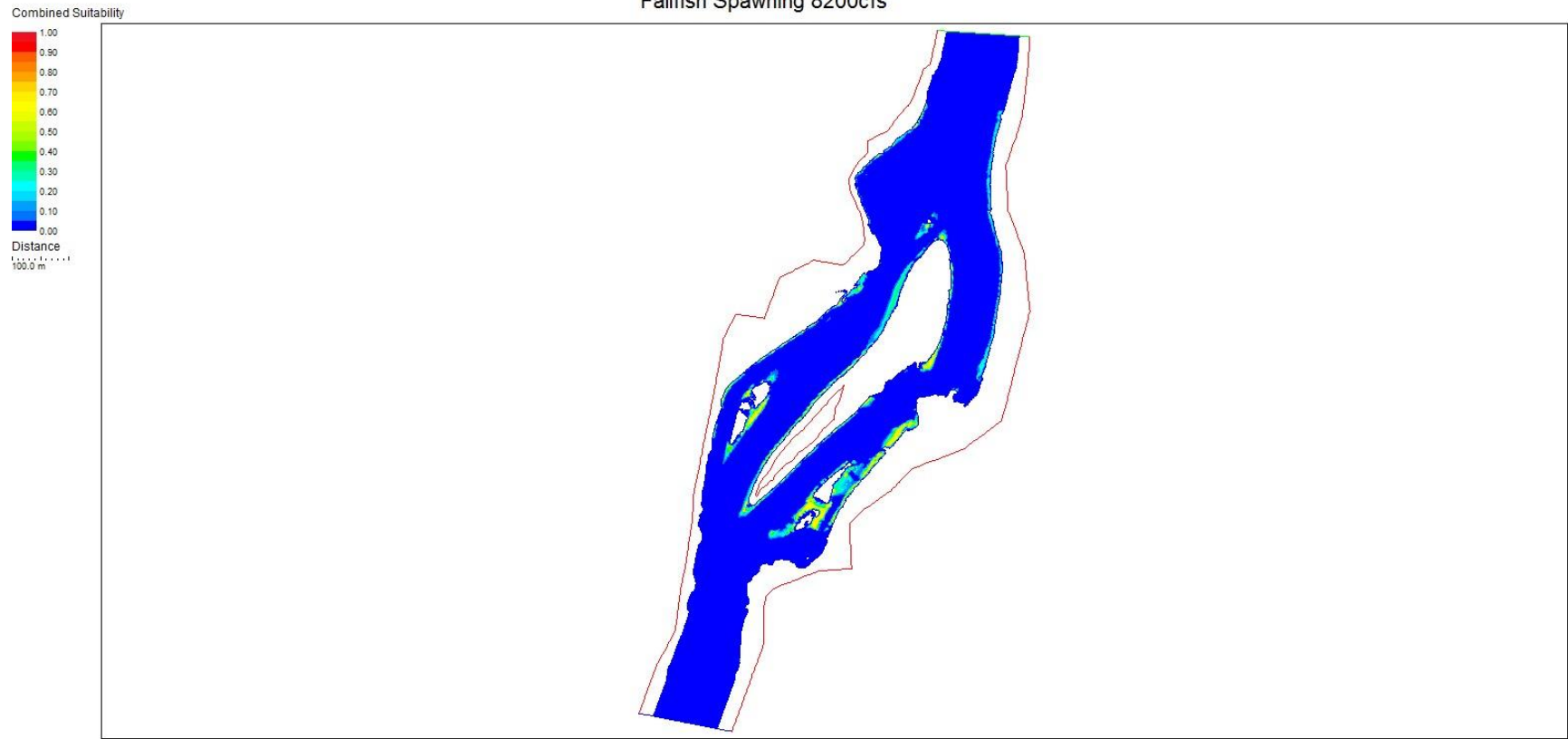




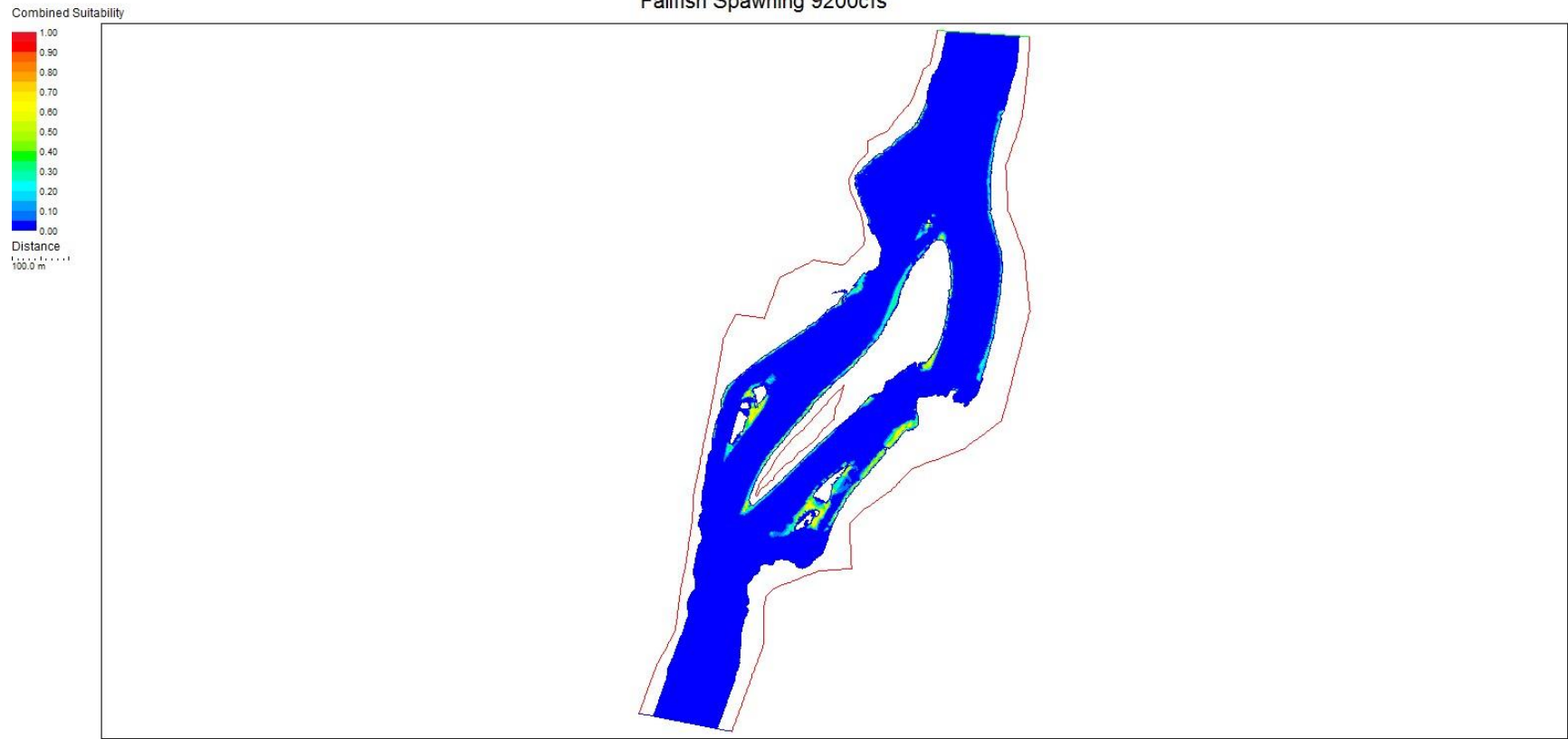
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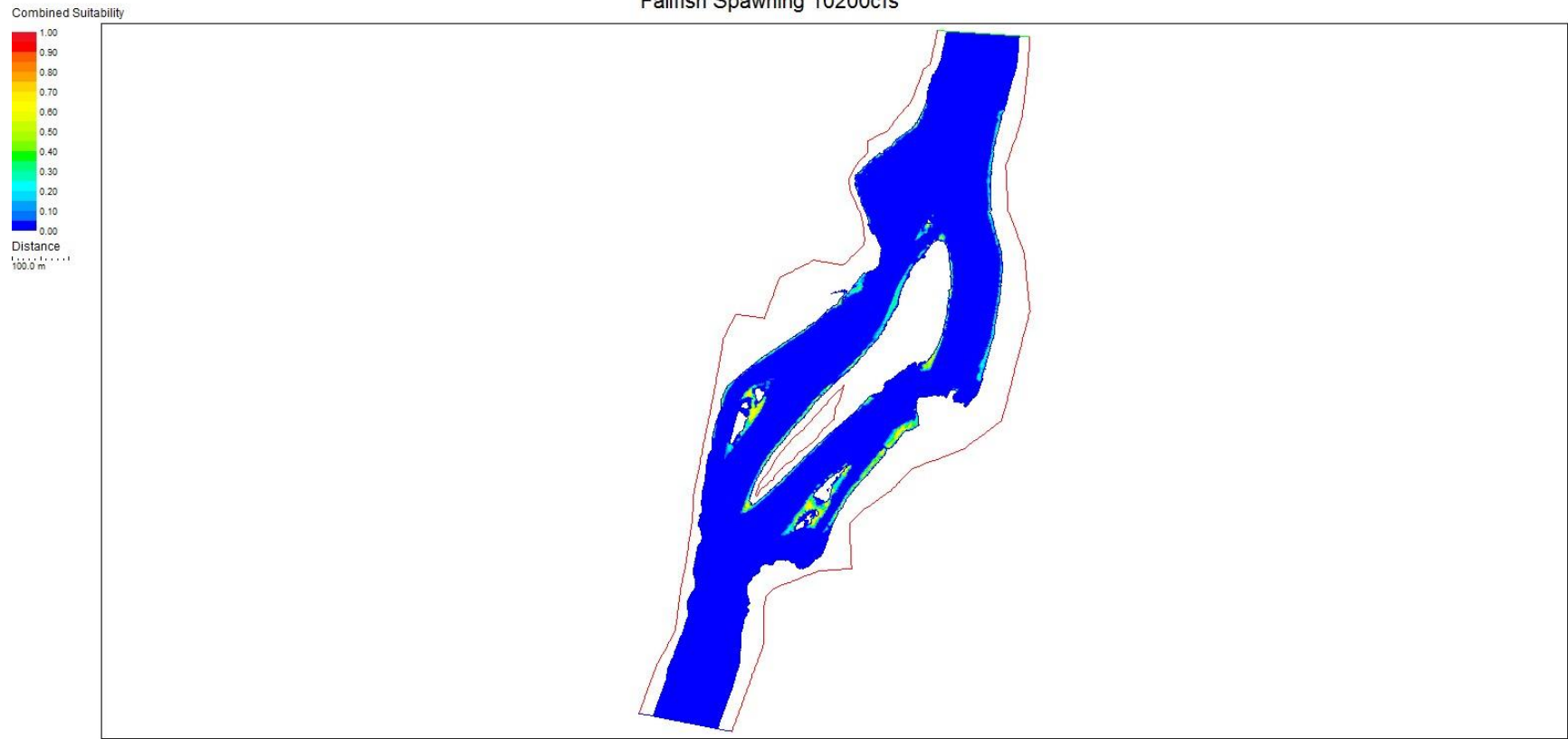
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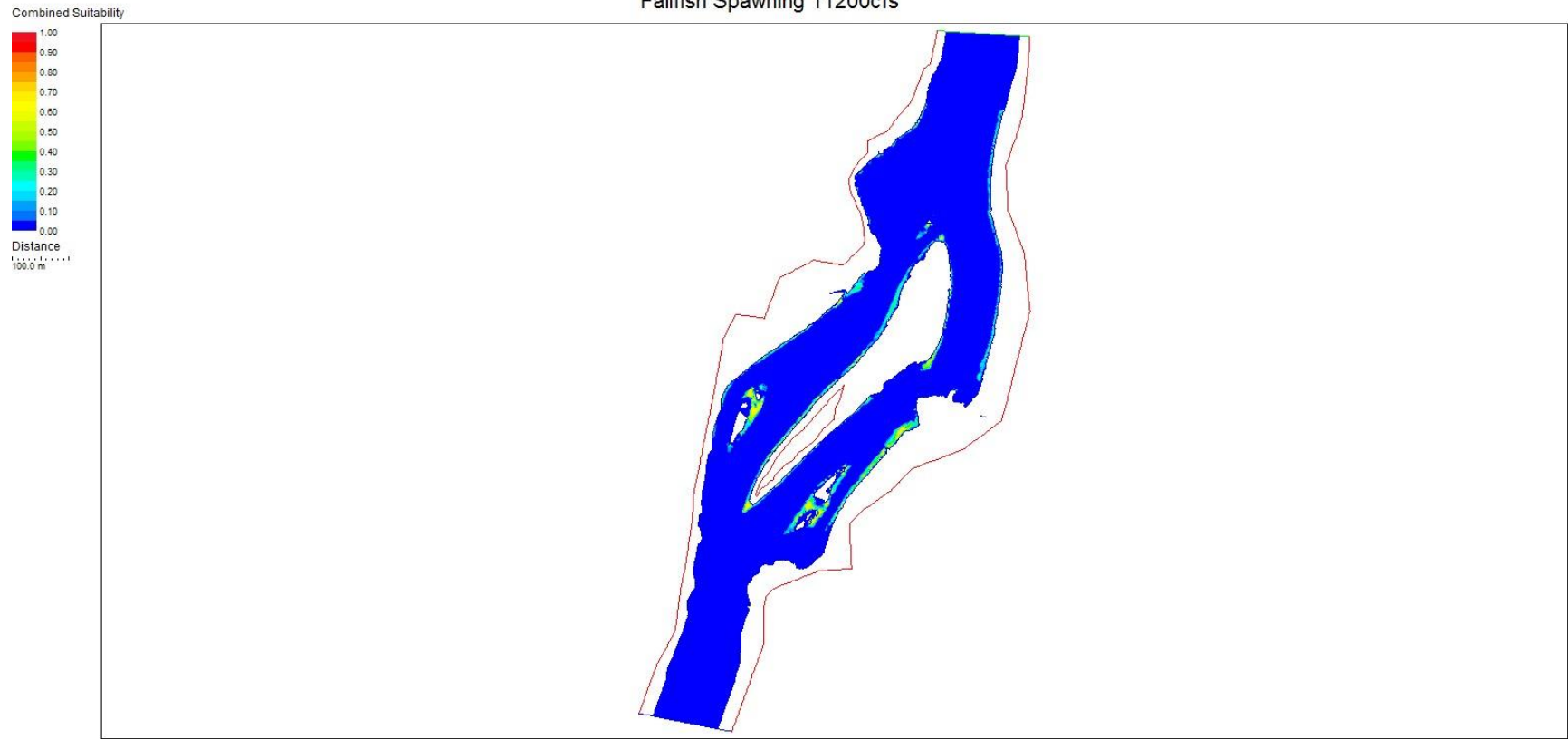
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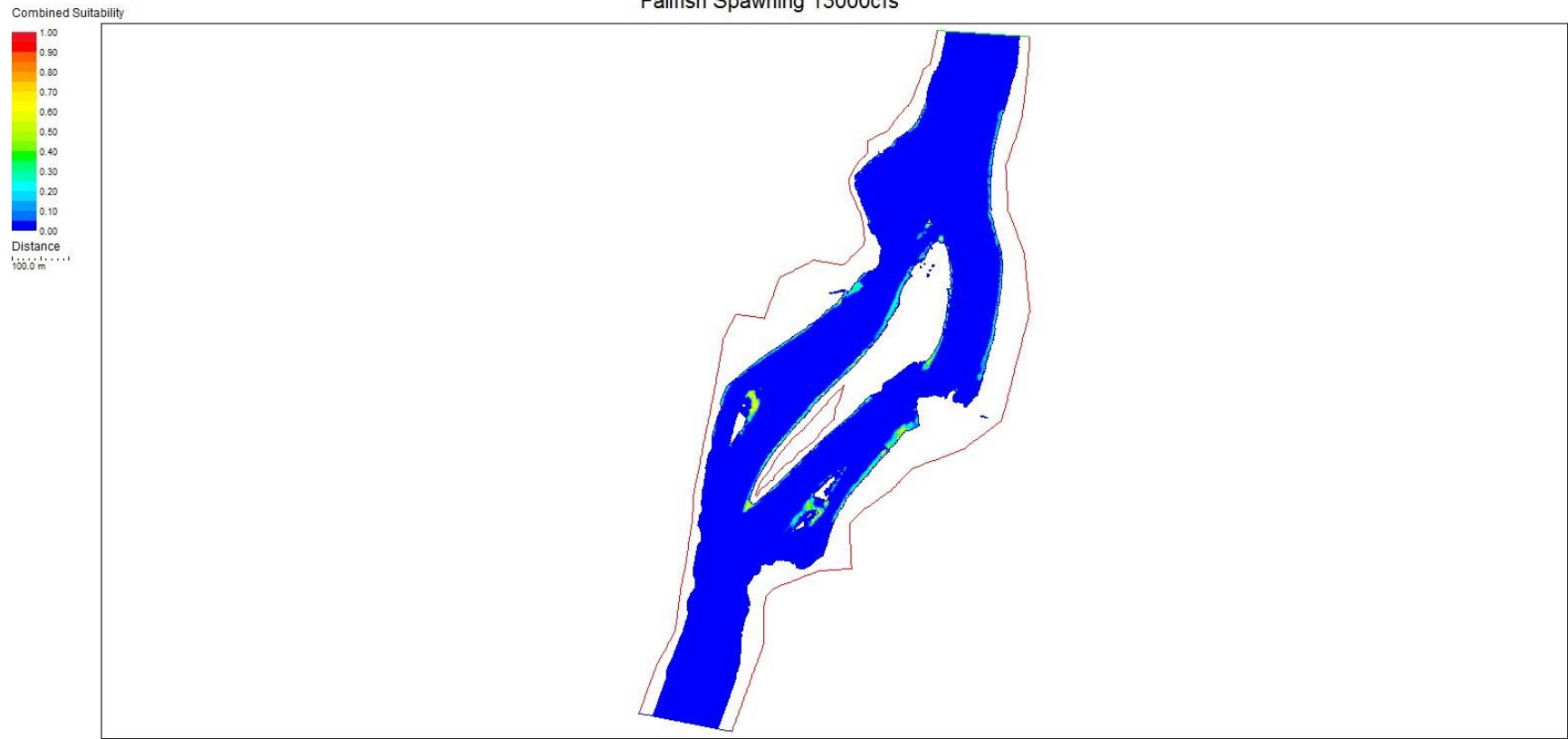
Fallfish Spawning 10200cfs

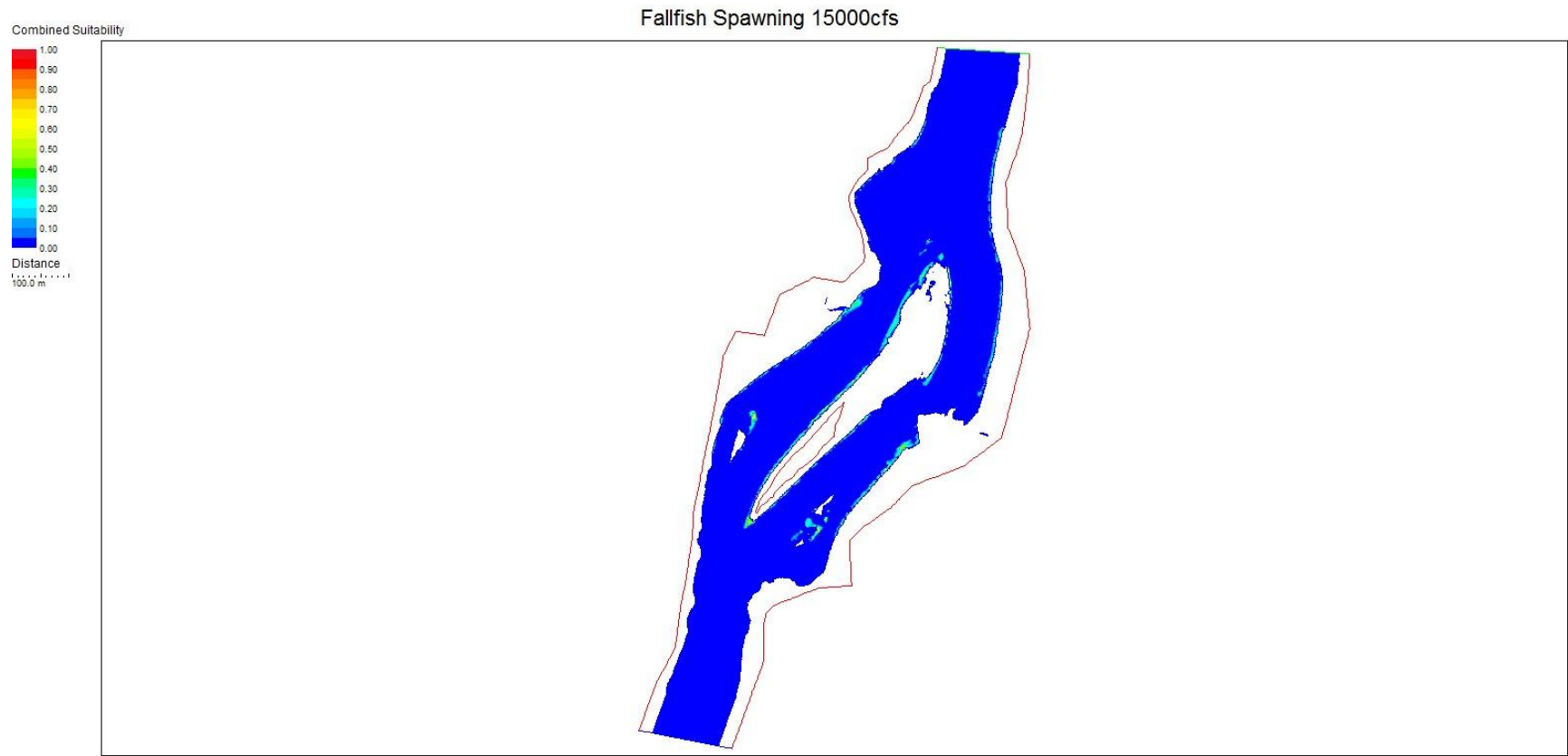


Fallfish Spawning 11200cfs

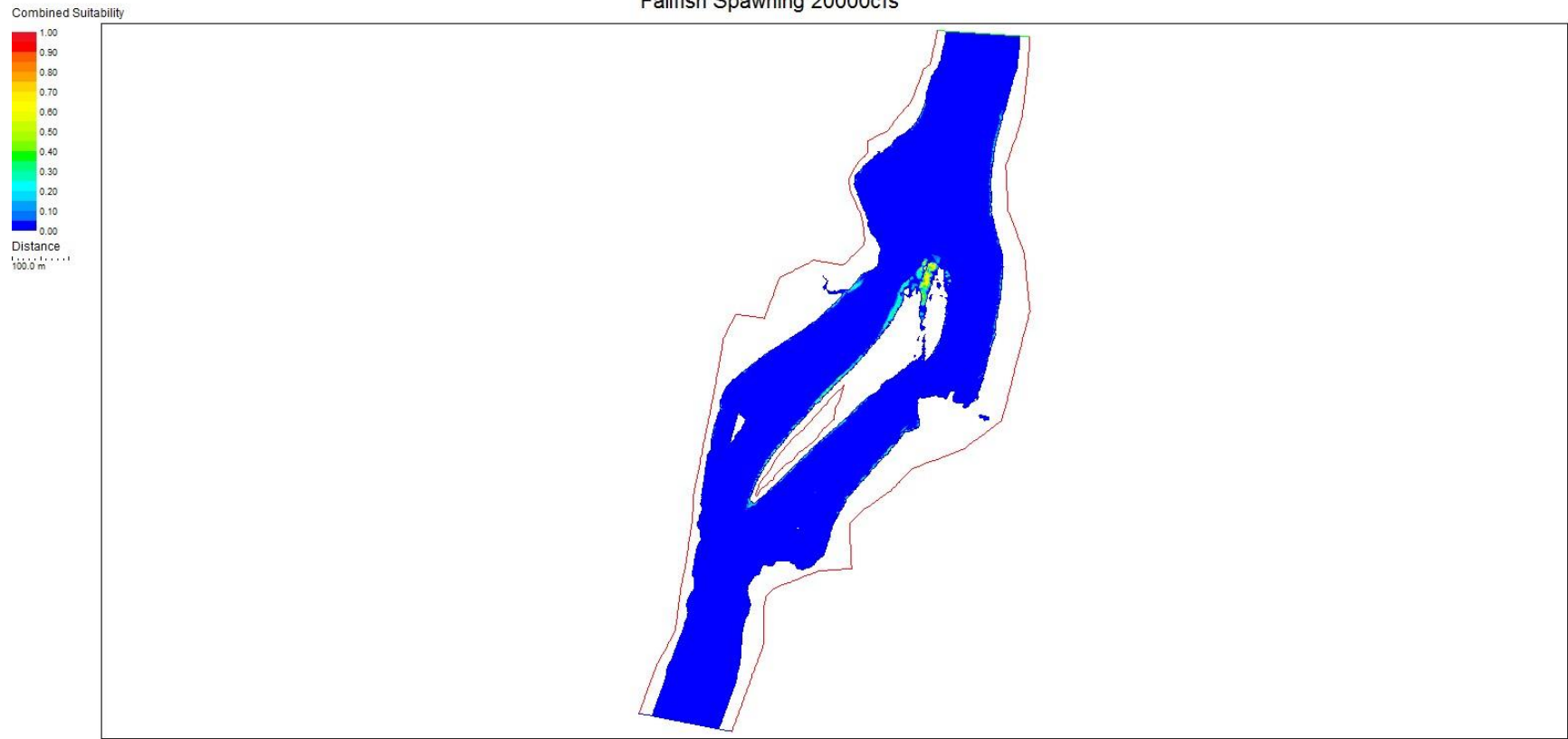


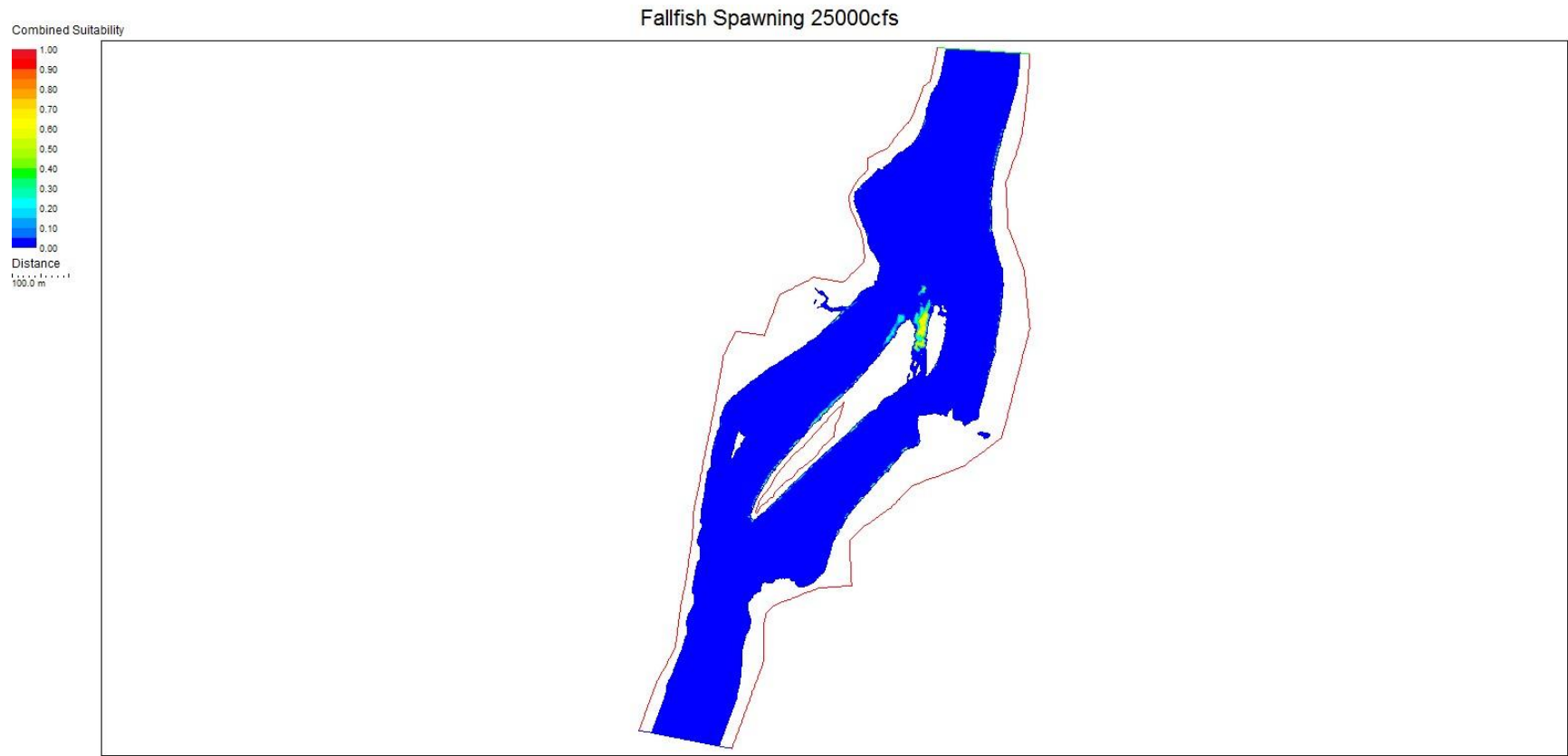
Fallfish Spawning 13000cfs



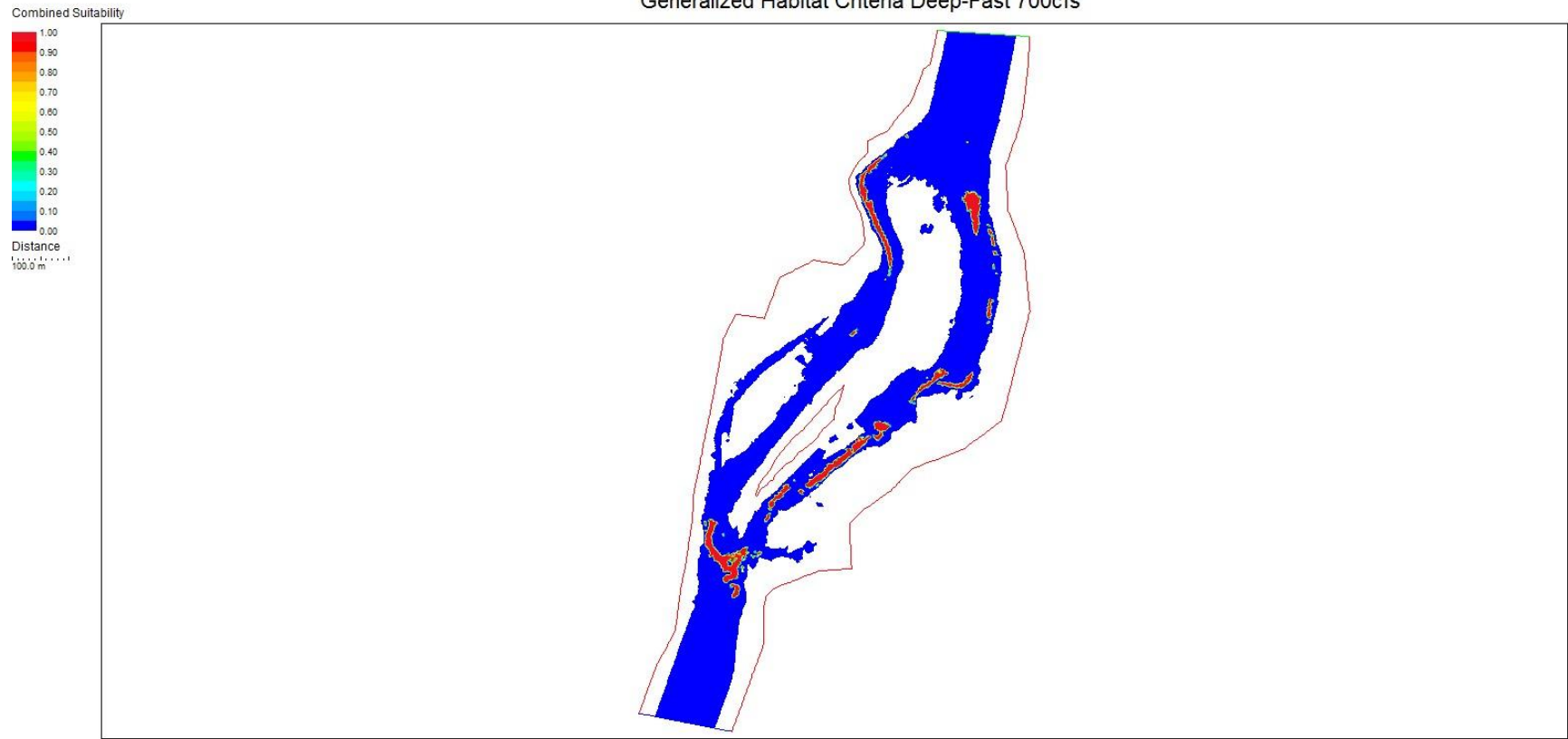


Fallfish Spawning 20000cfs

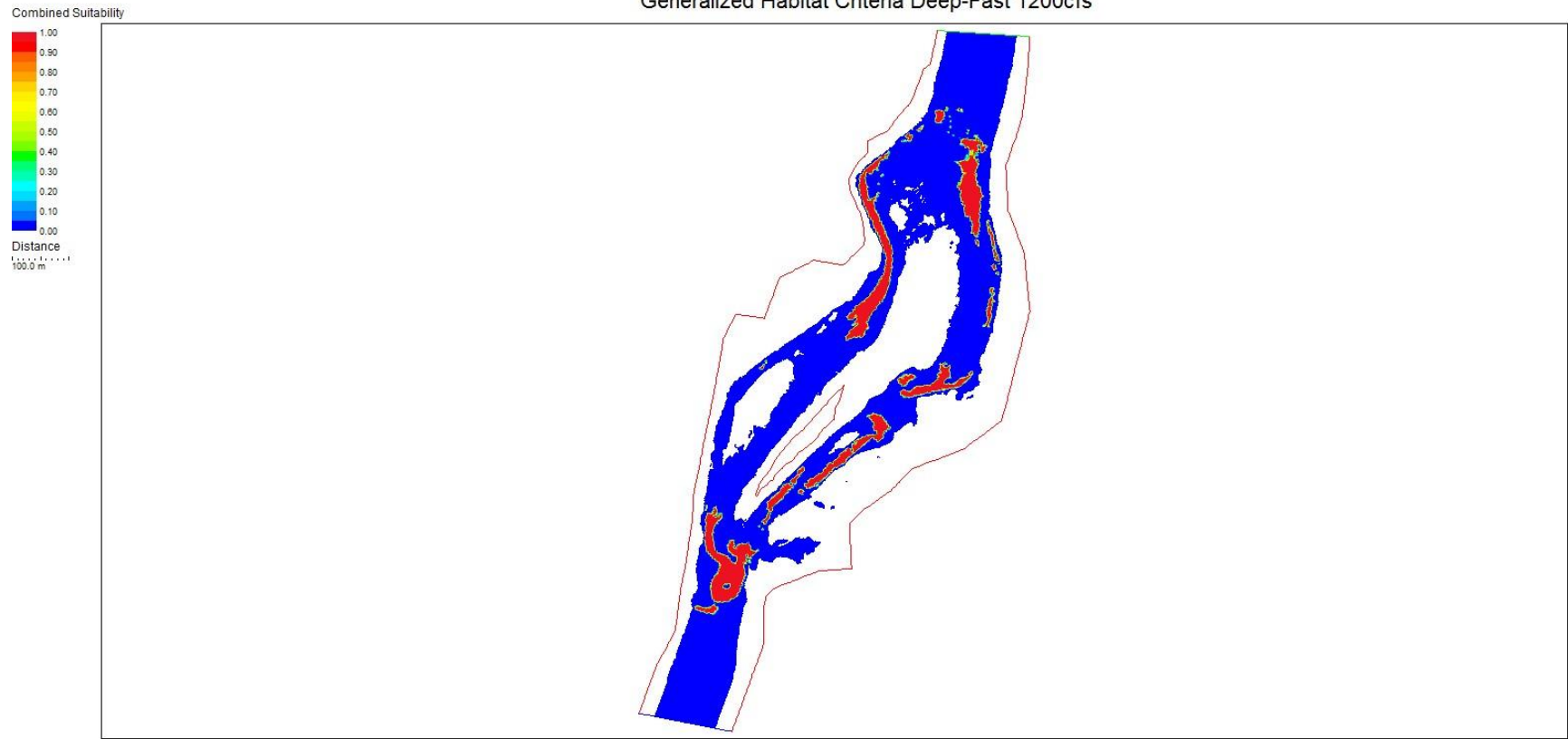




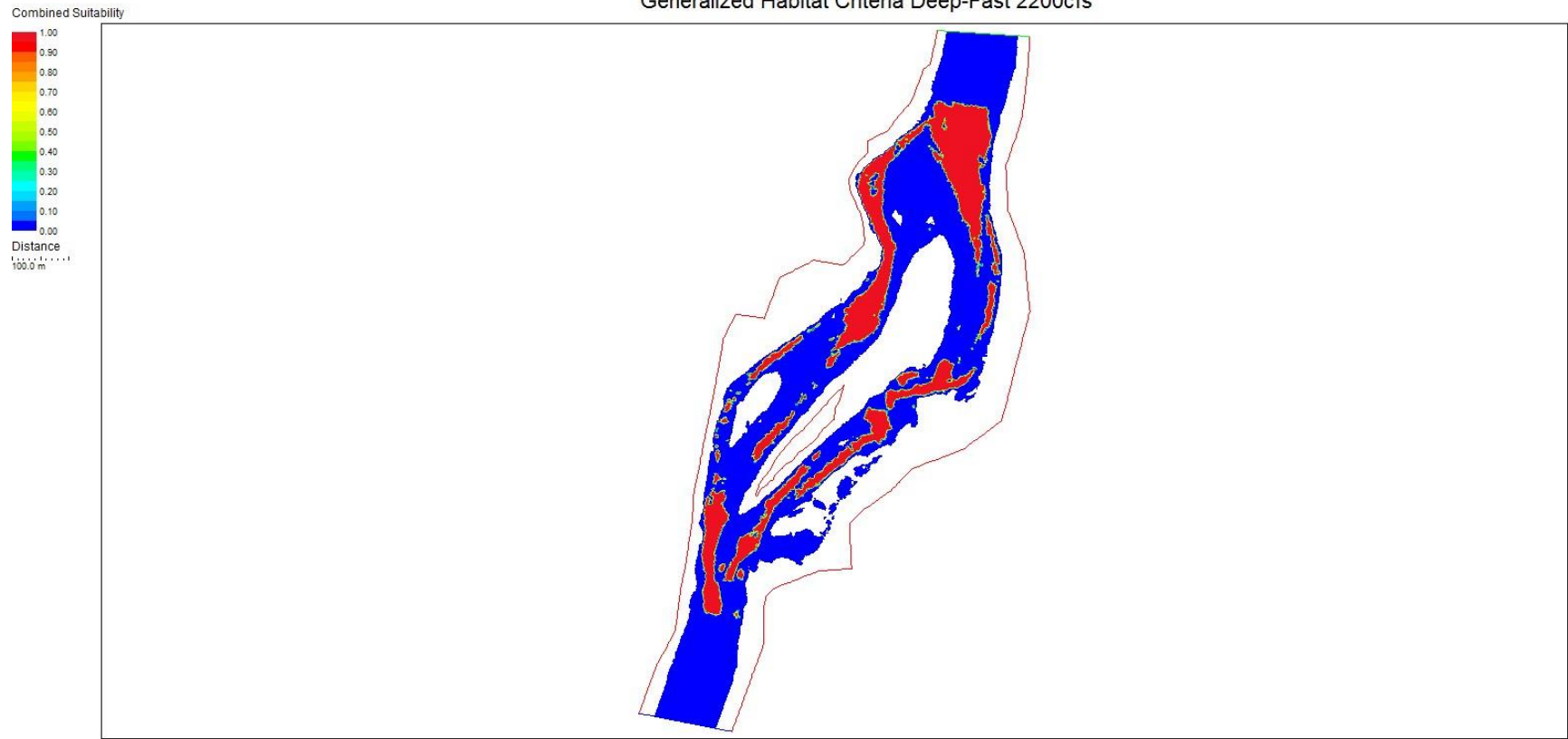
Generalized Habitat Criteria Deep-Fast 700cfs



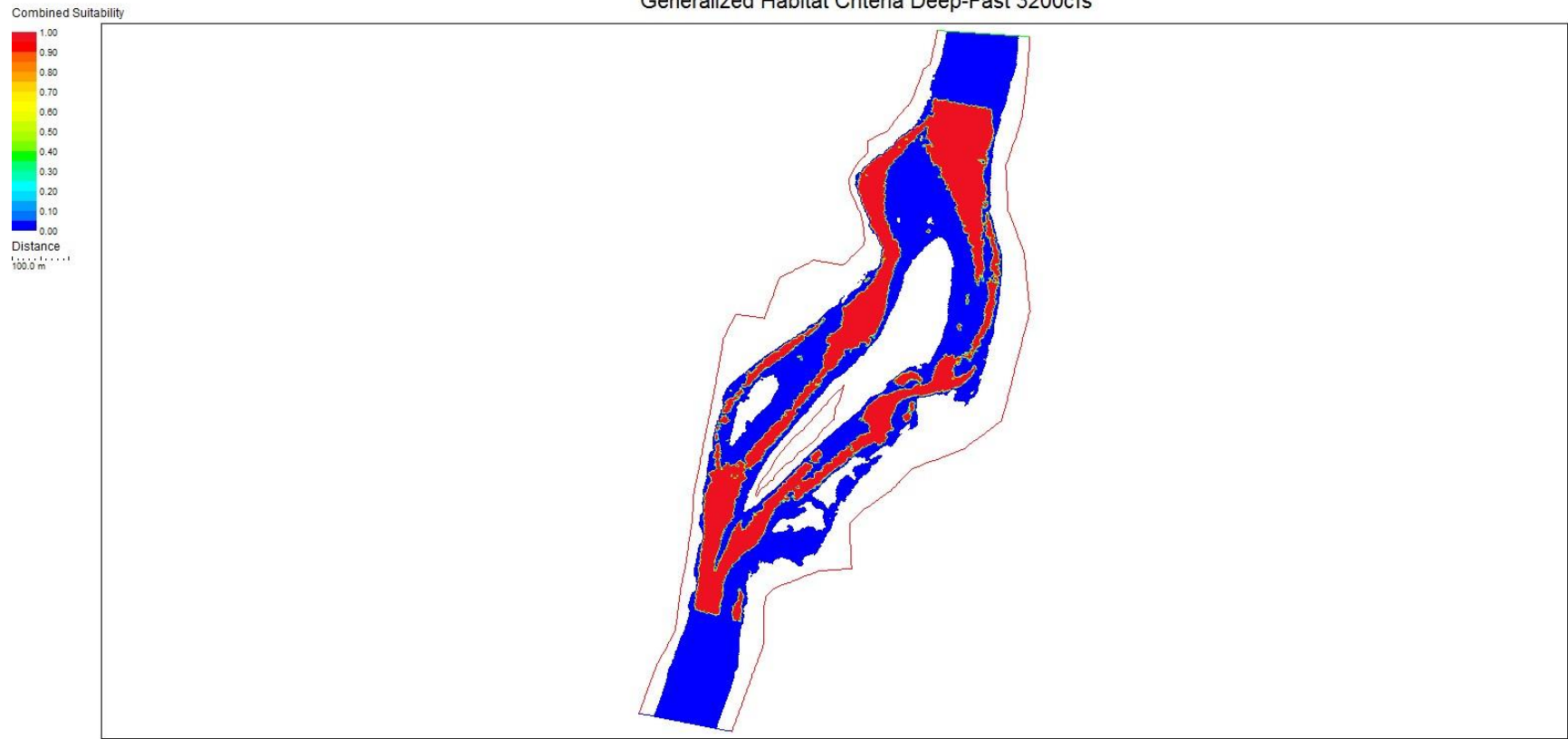
Generalized Habitat Criteria Deep-Fast 1200cfs



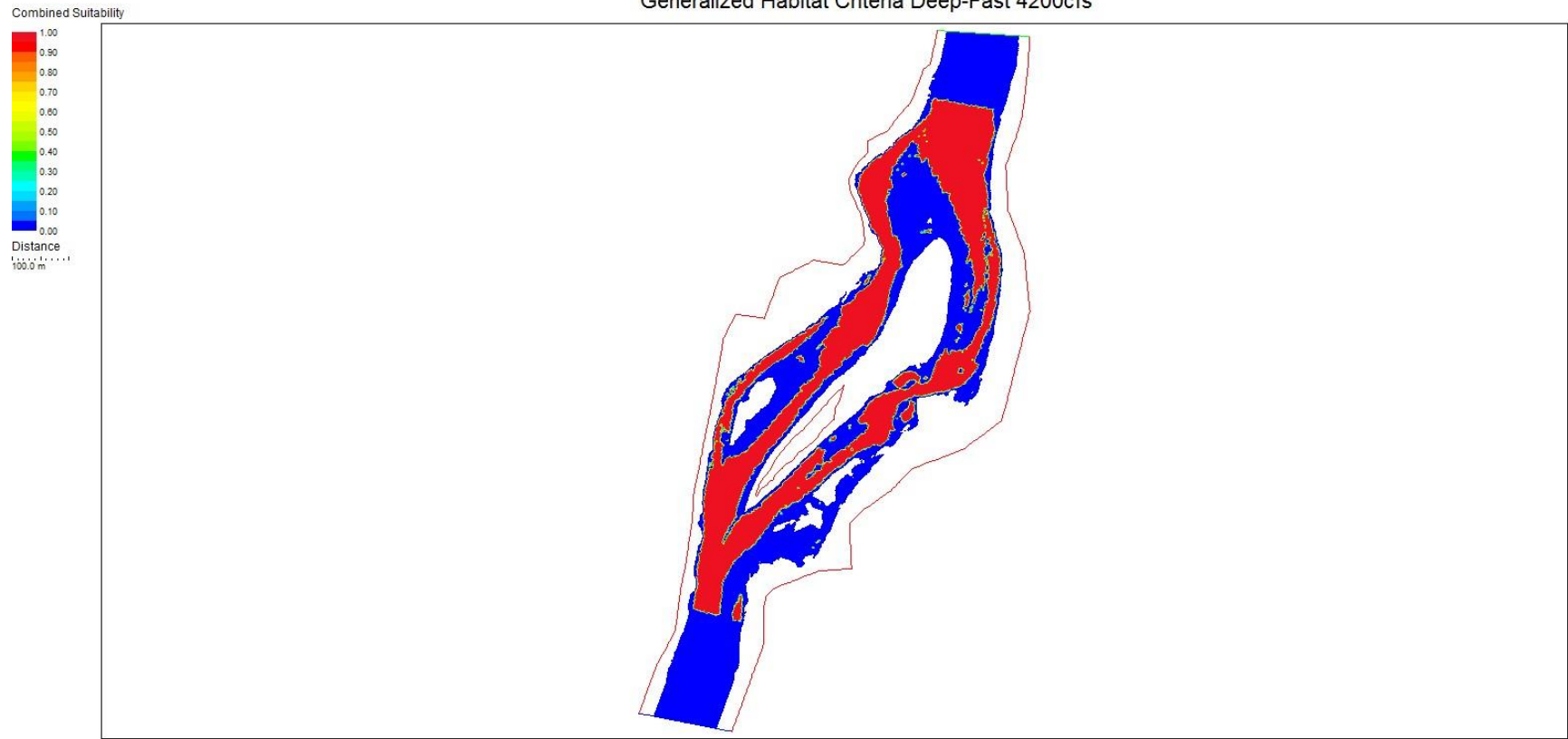
Generalized Habitat Criteria Deep-Fast 2200cfs



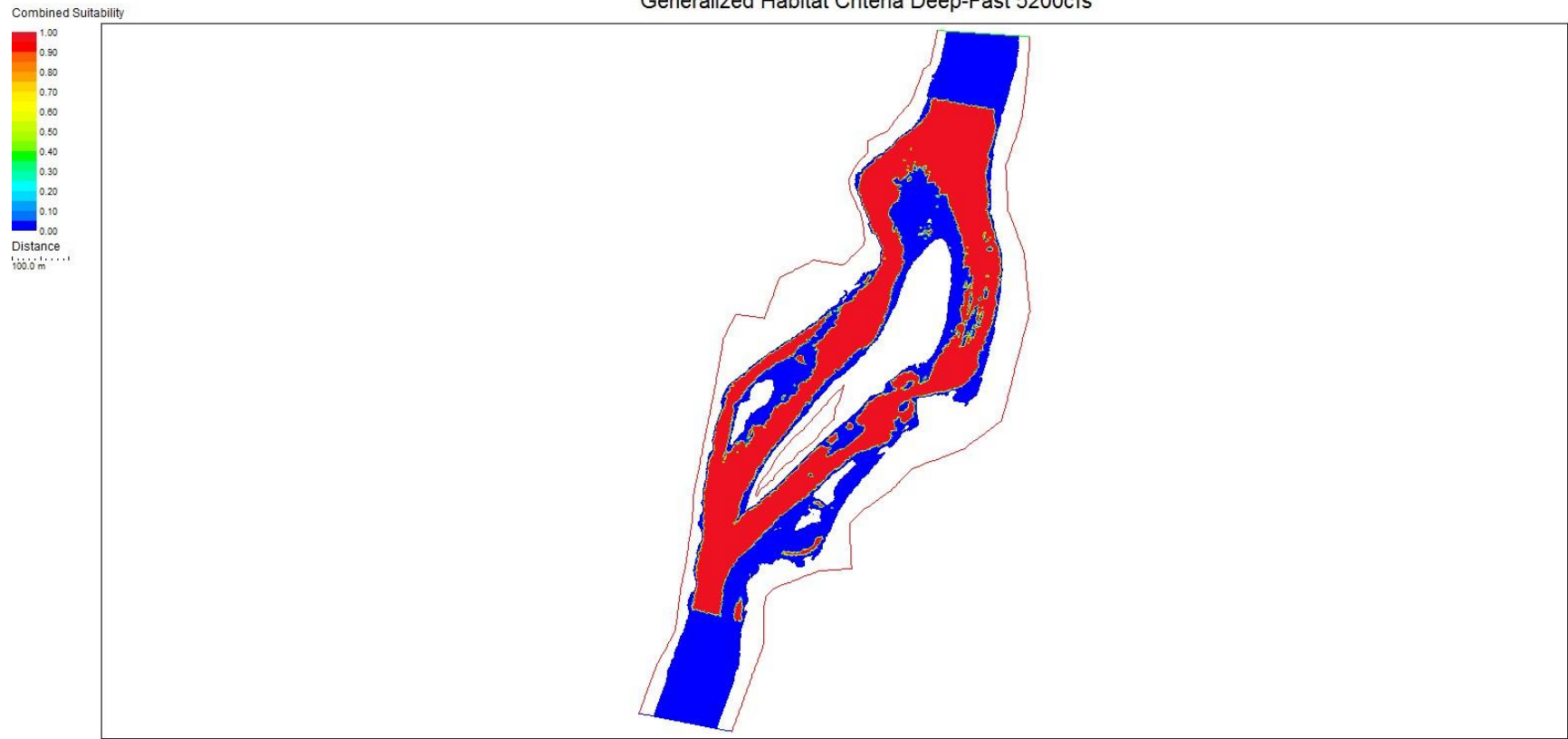
Generalized Habitat Criteria Deep-Fast 3200cfs



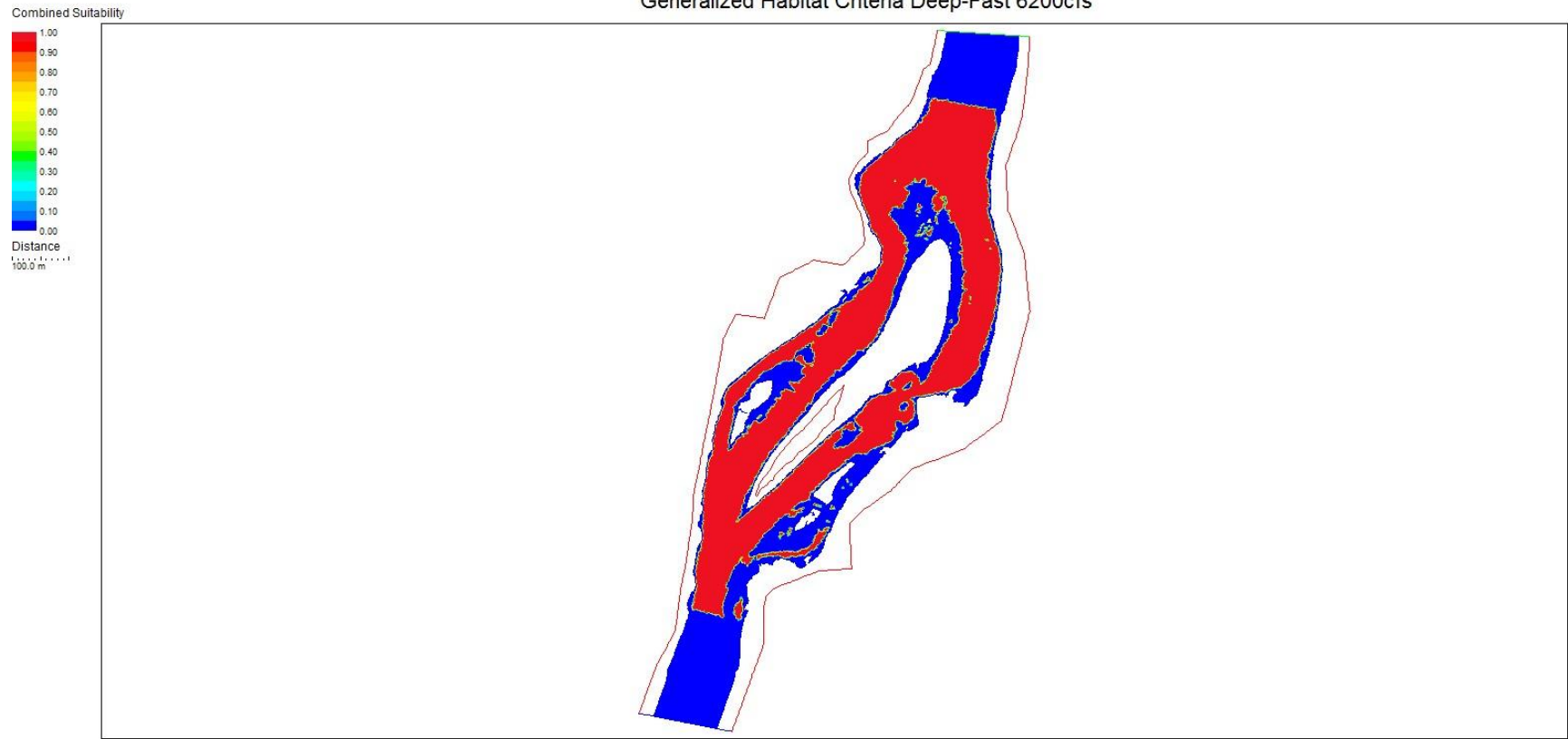
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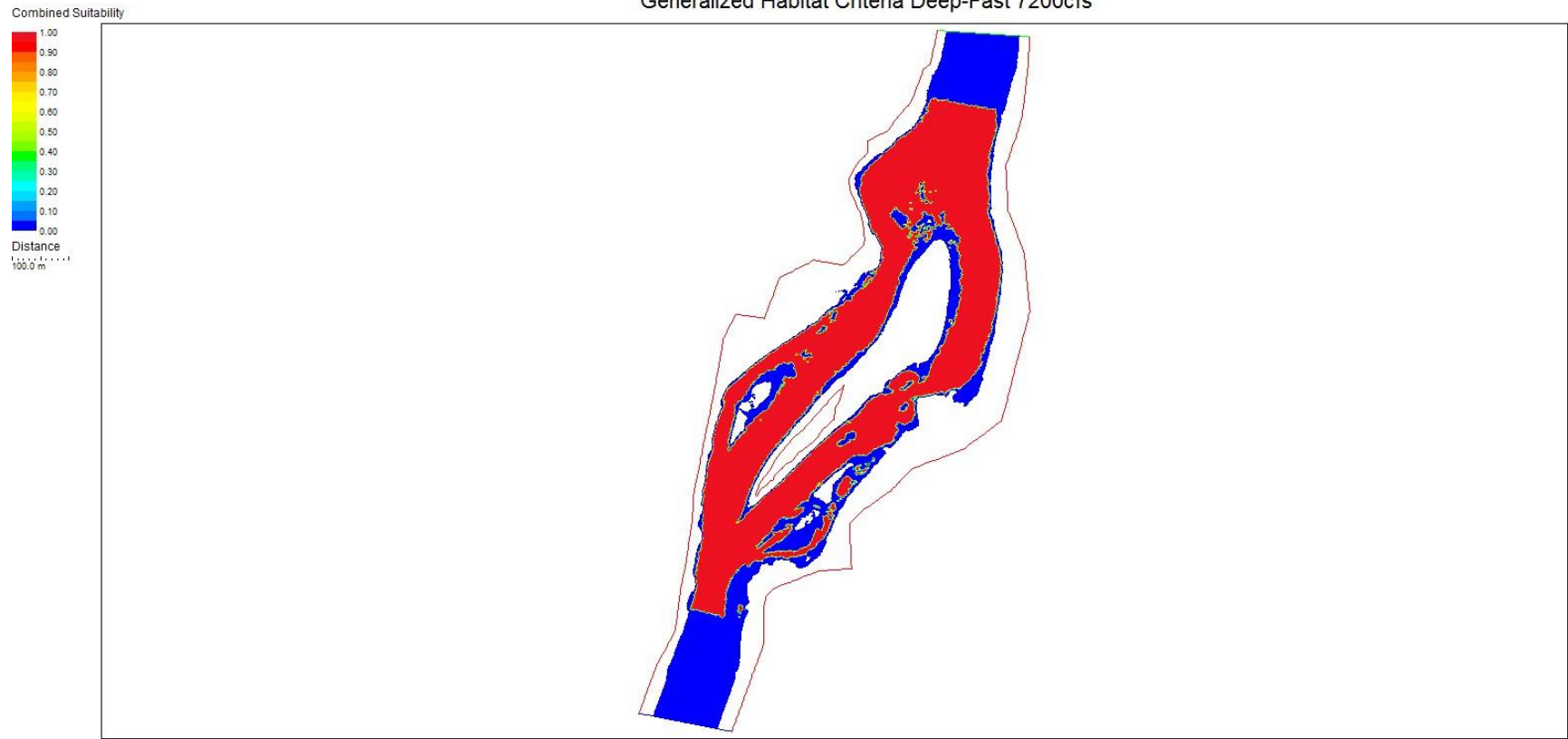
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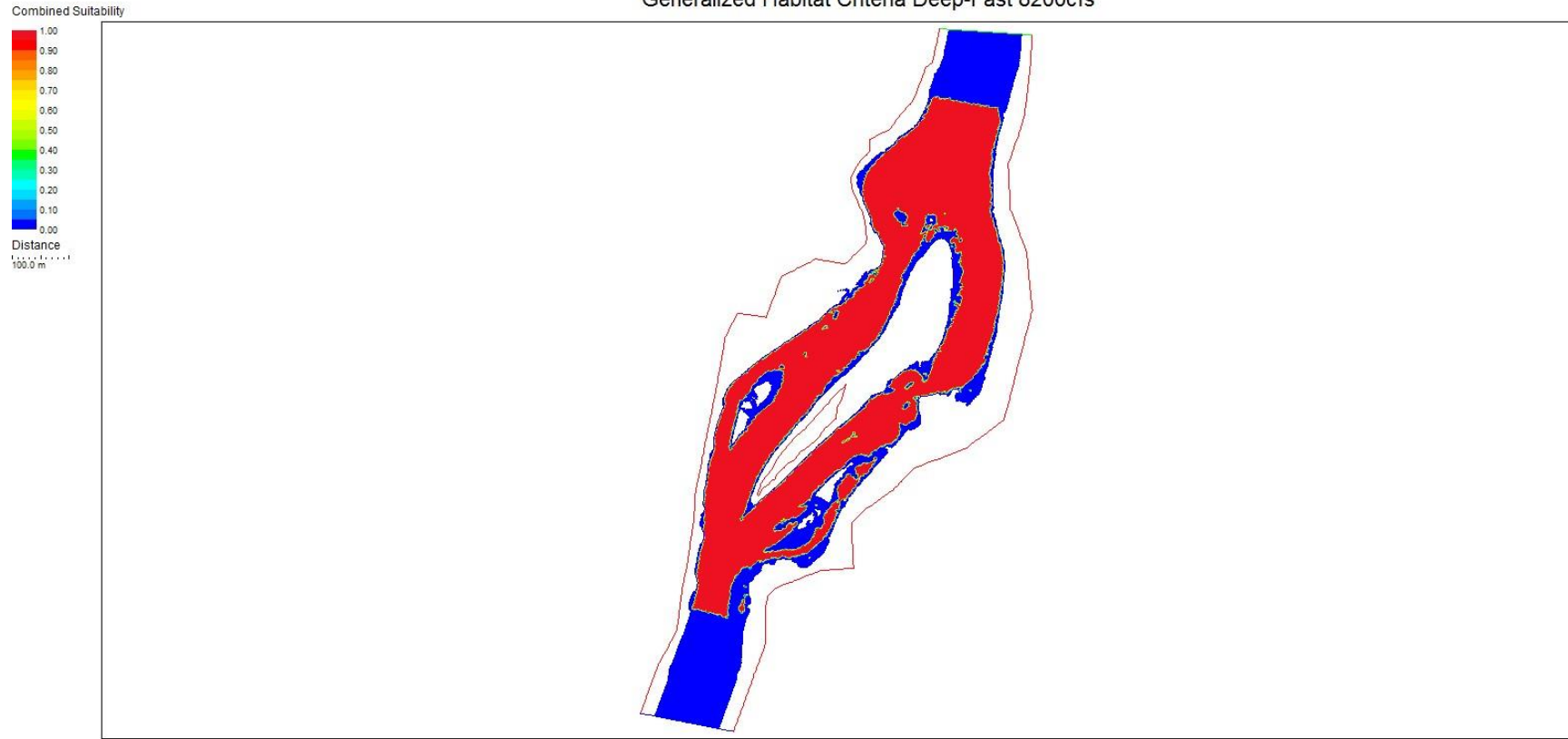
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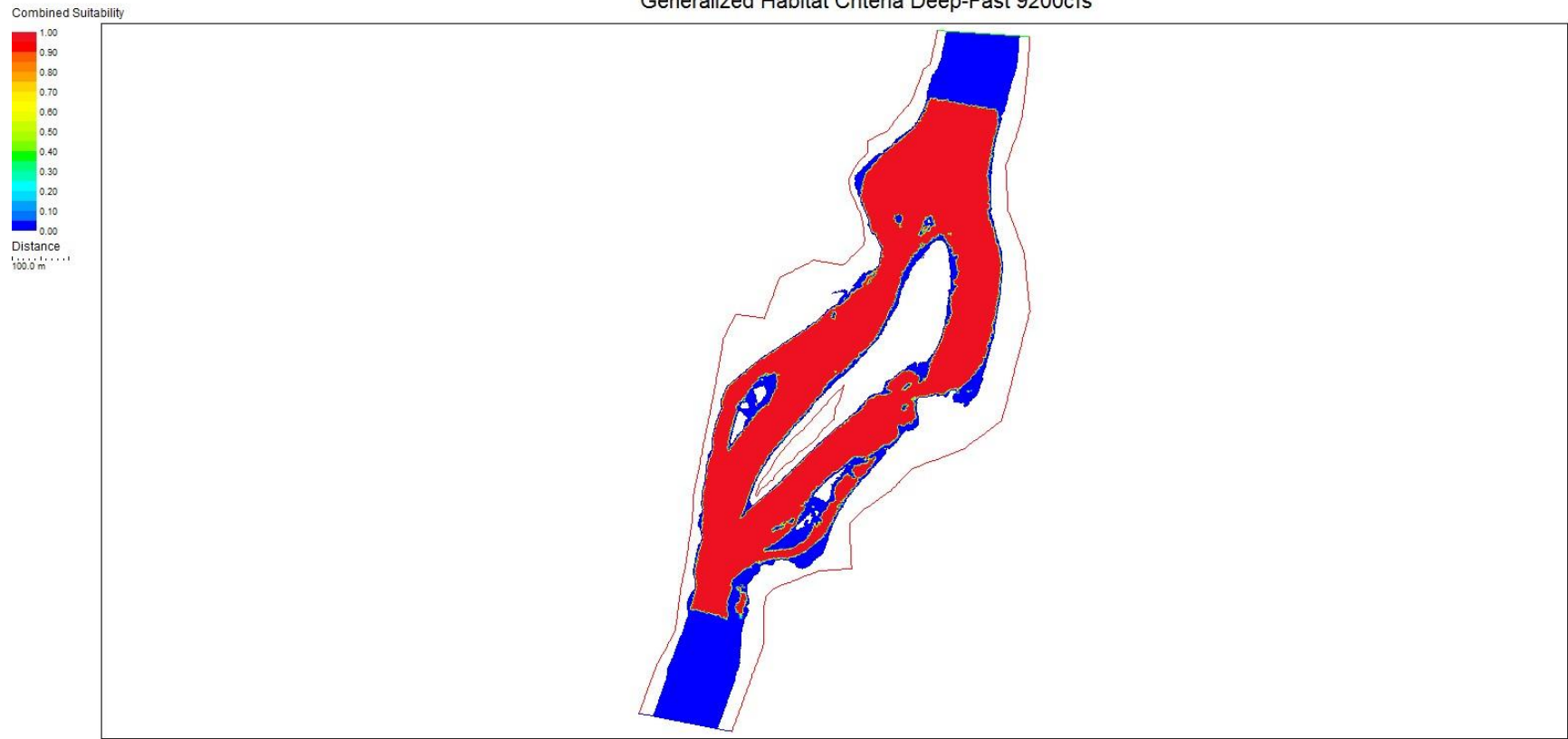
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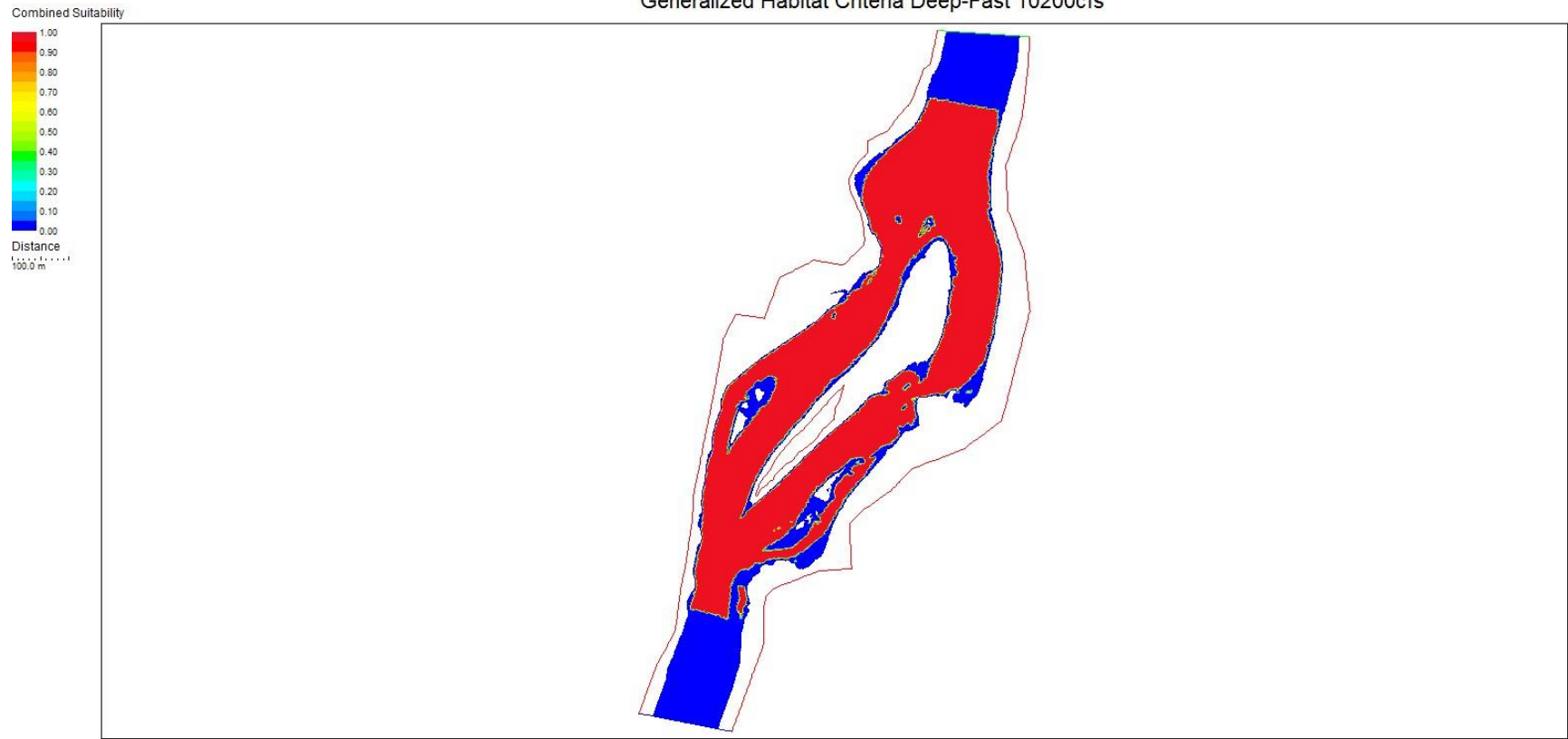
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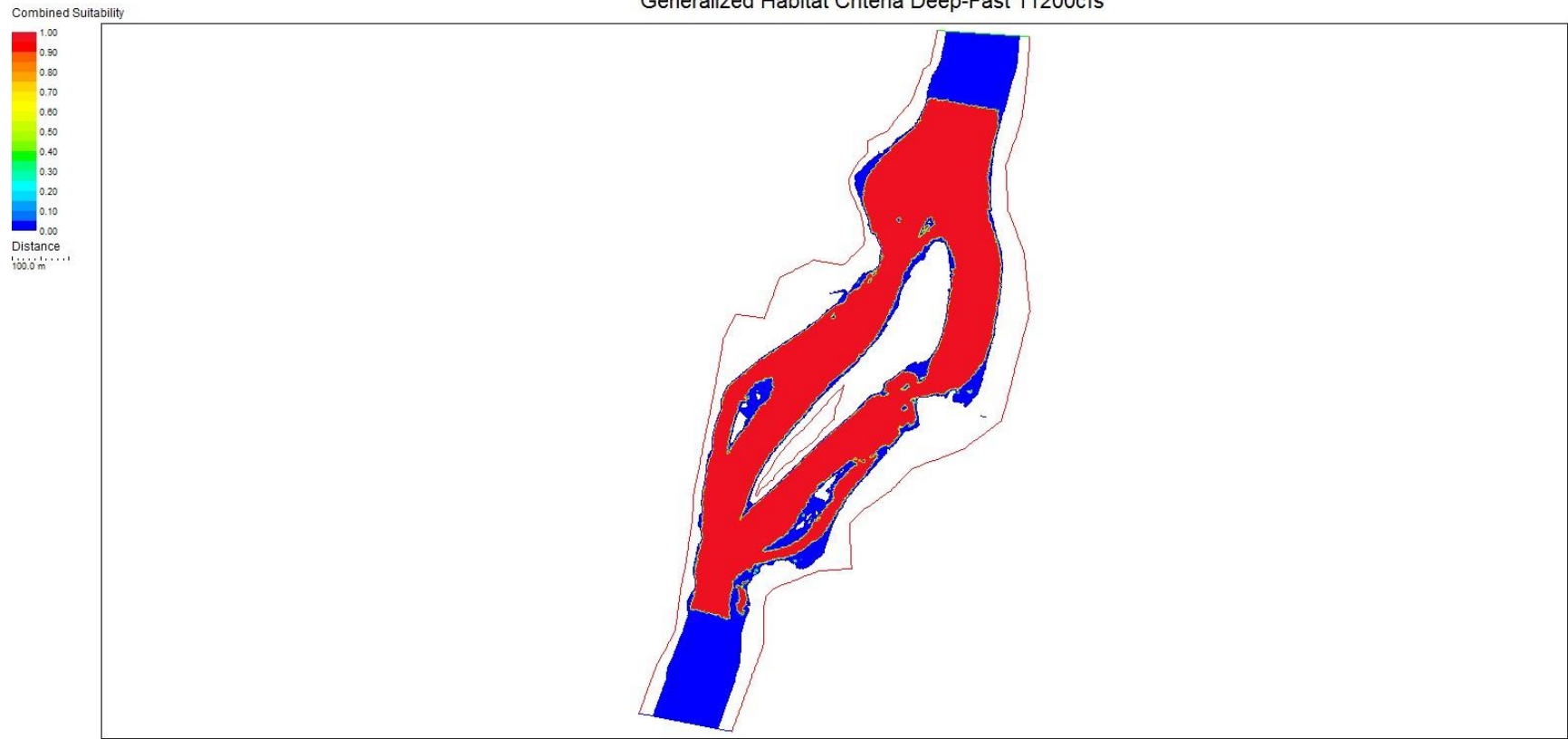
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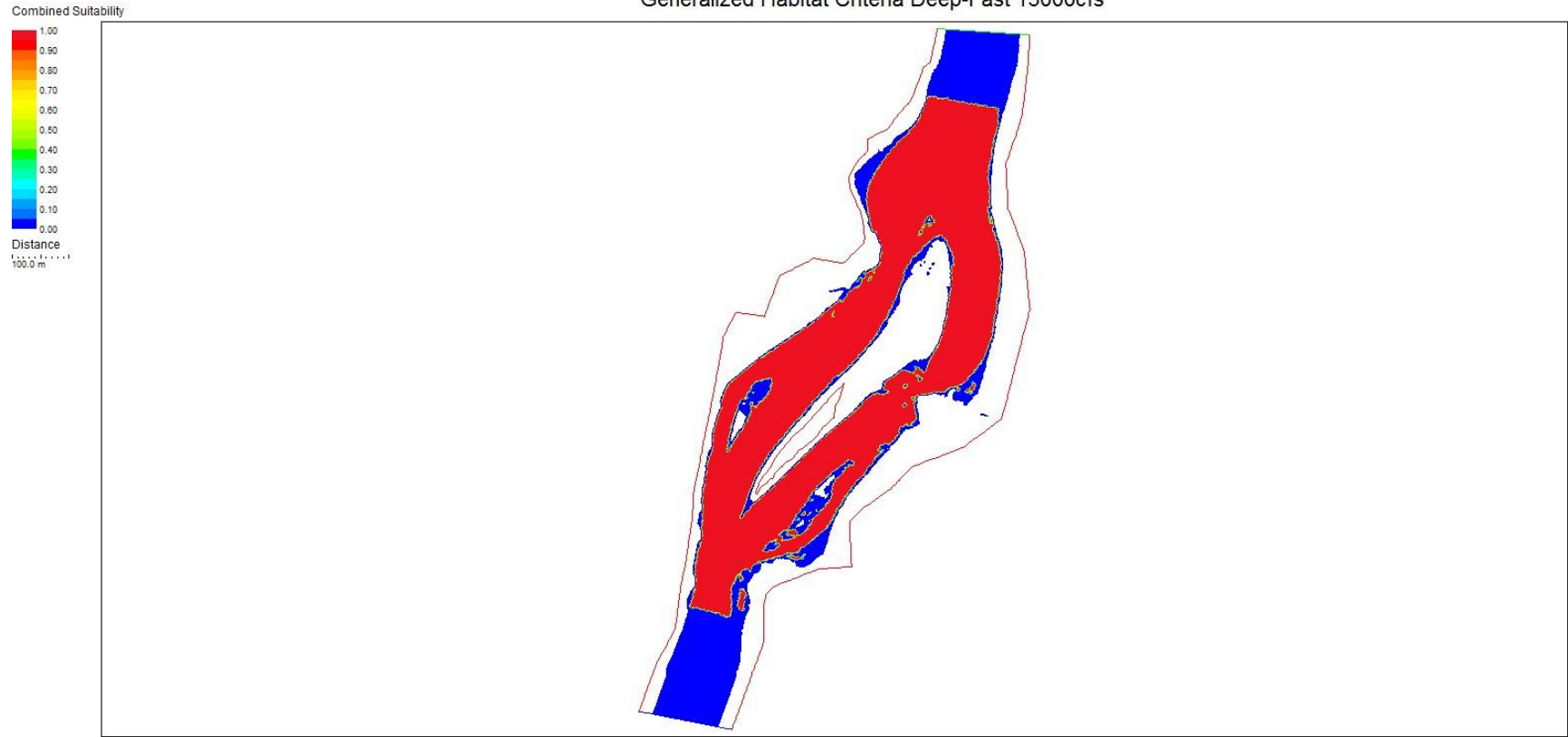
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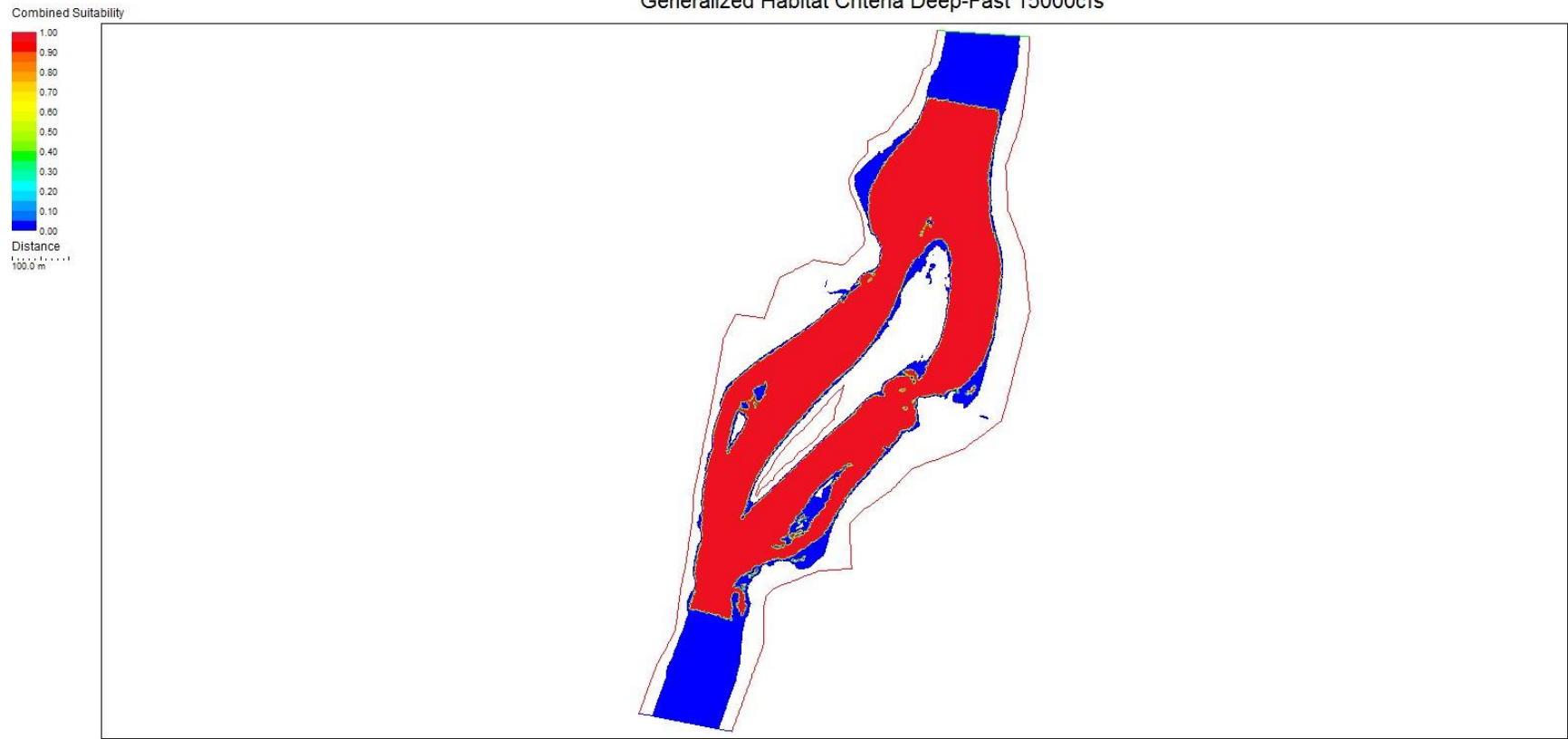
Generalized Habitat Criteria Deep-Fast 11200cfs



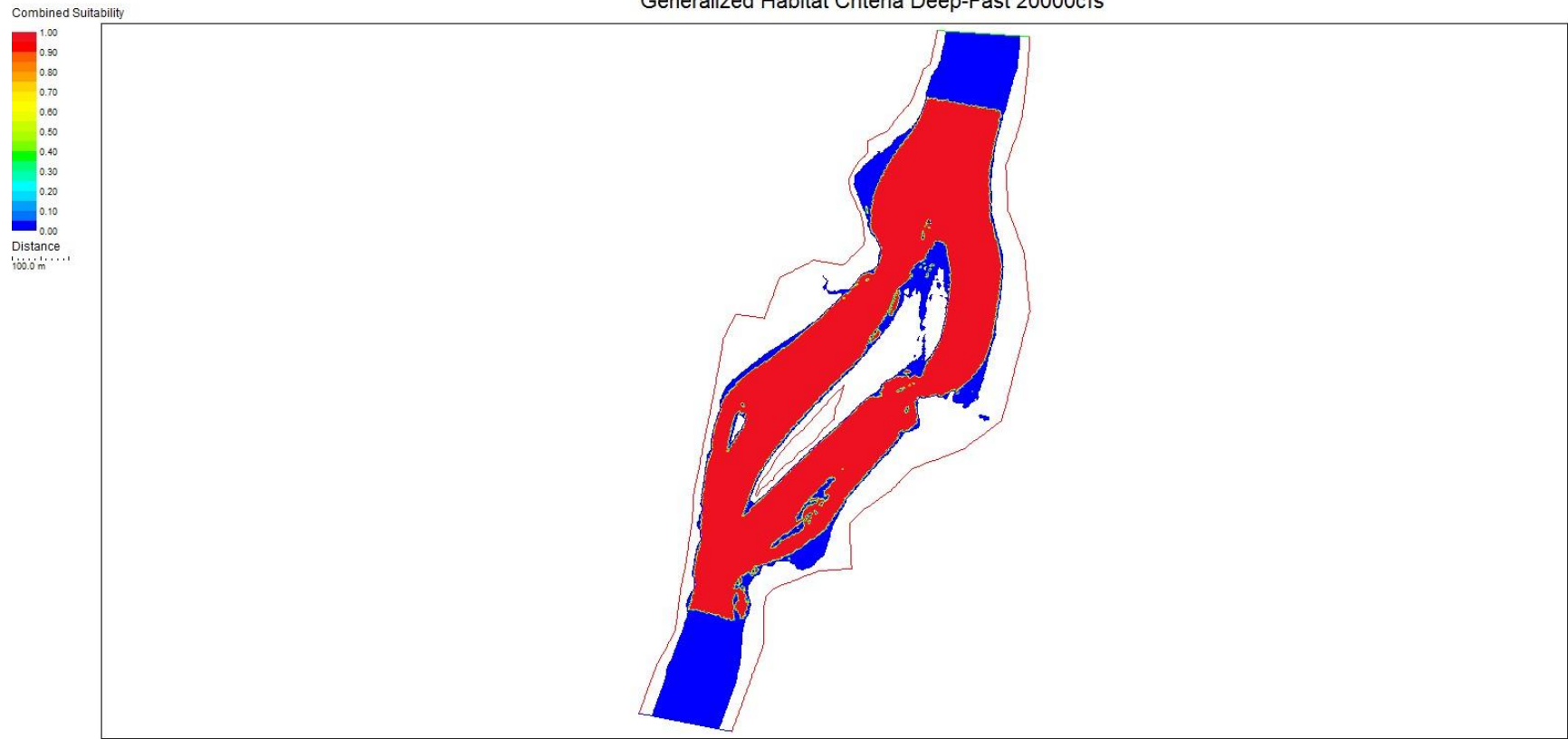
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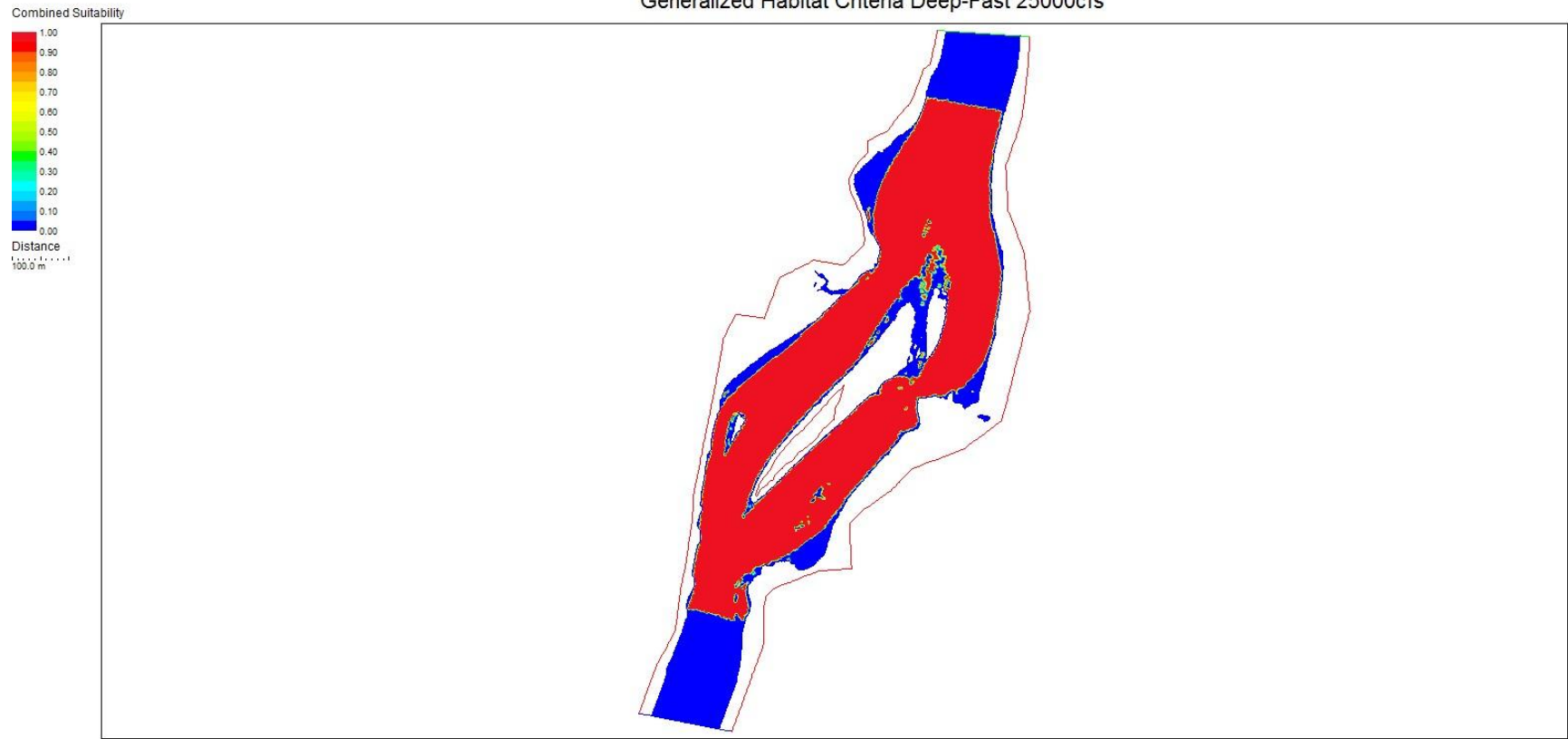
Generalized Habitat Criteria Deep-Fast 15000cfs



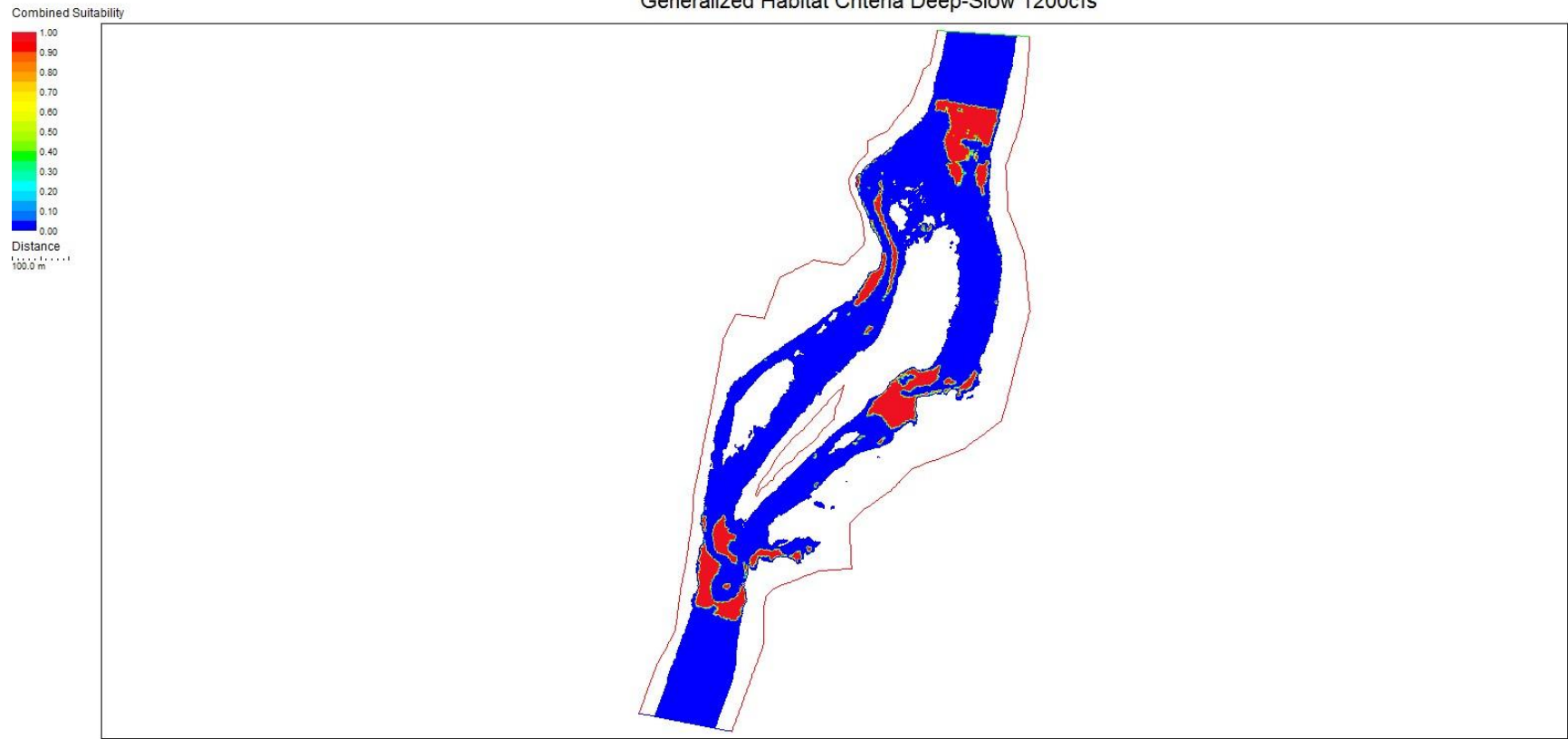
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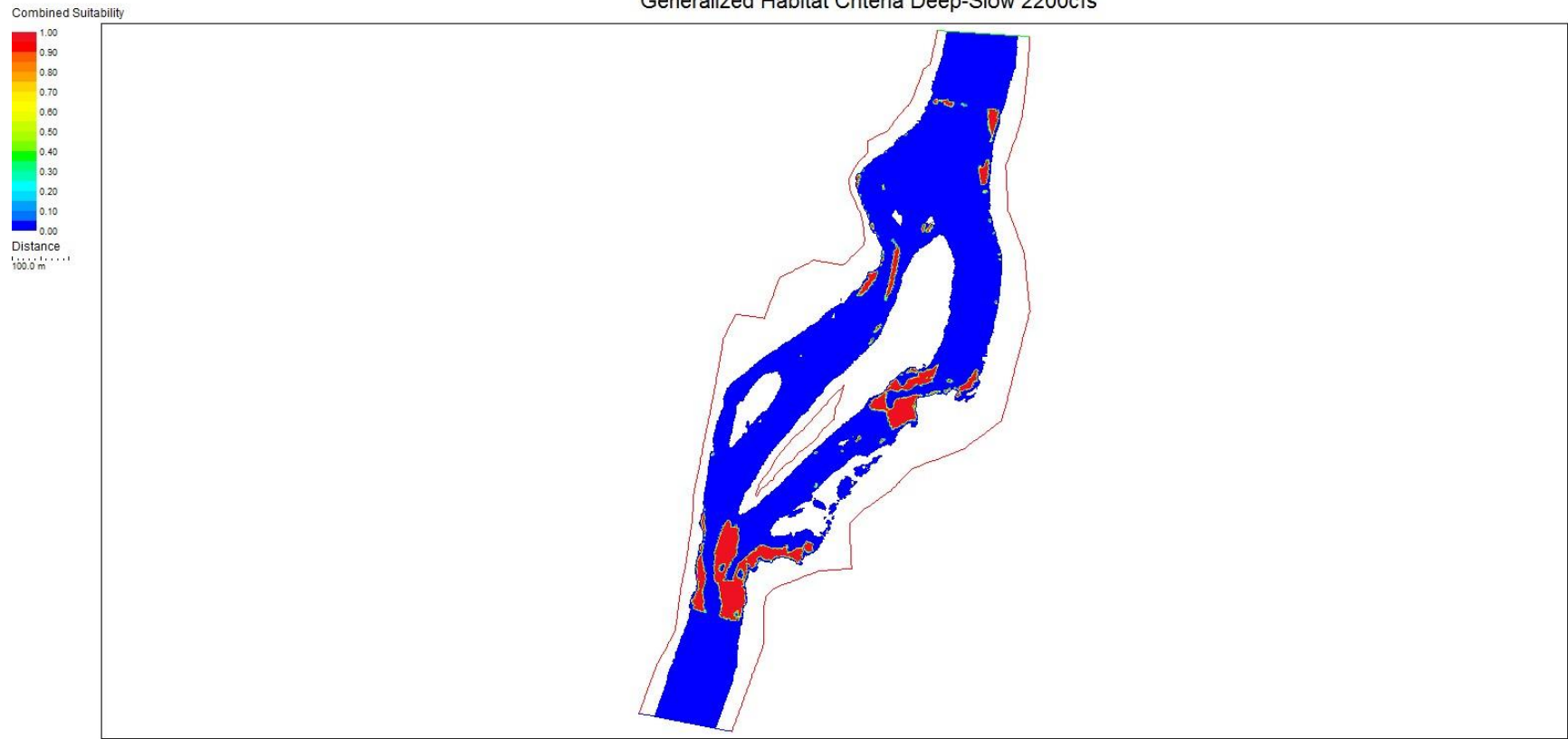
Generalized Habitat Criteria Deep-Fast 25000cfs



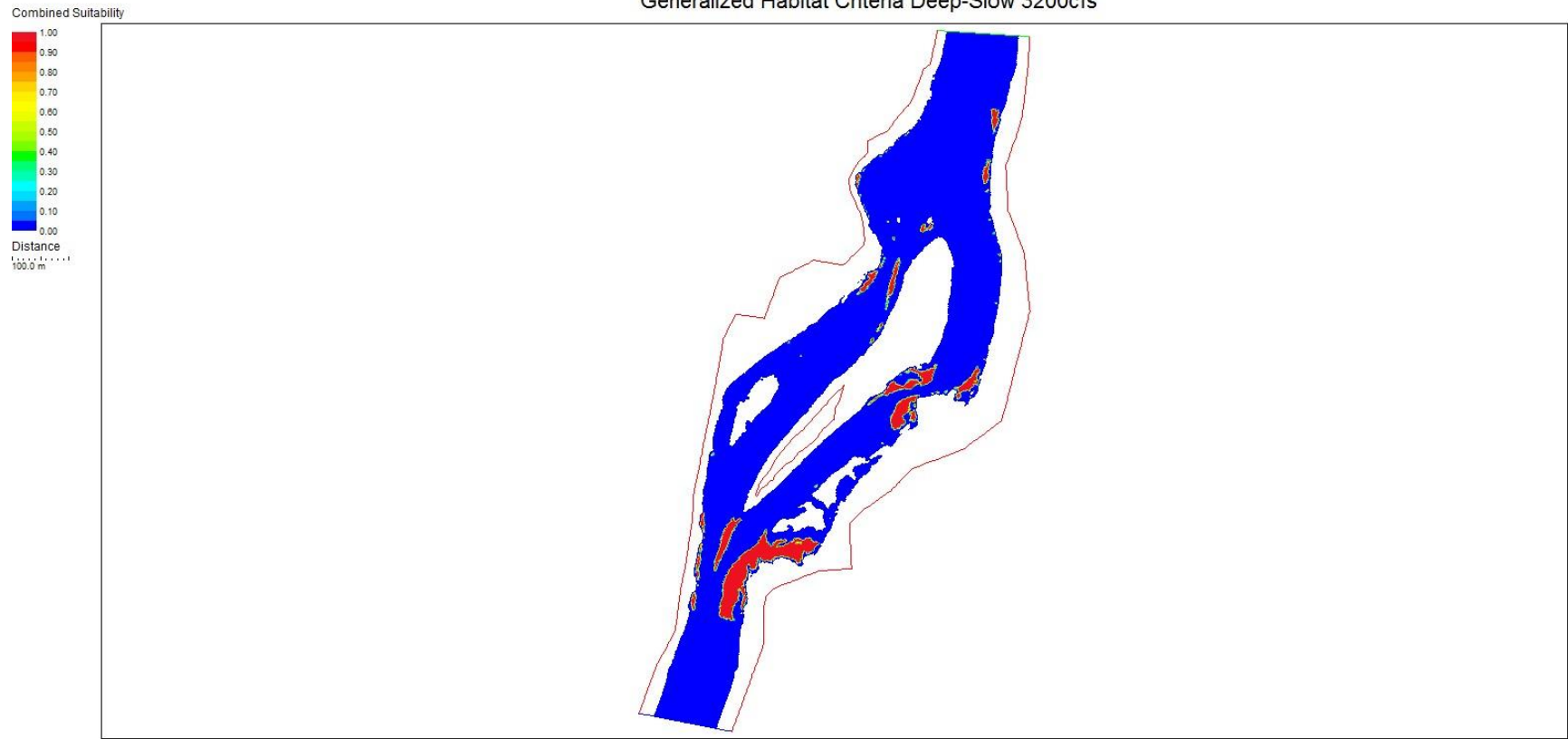
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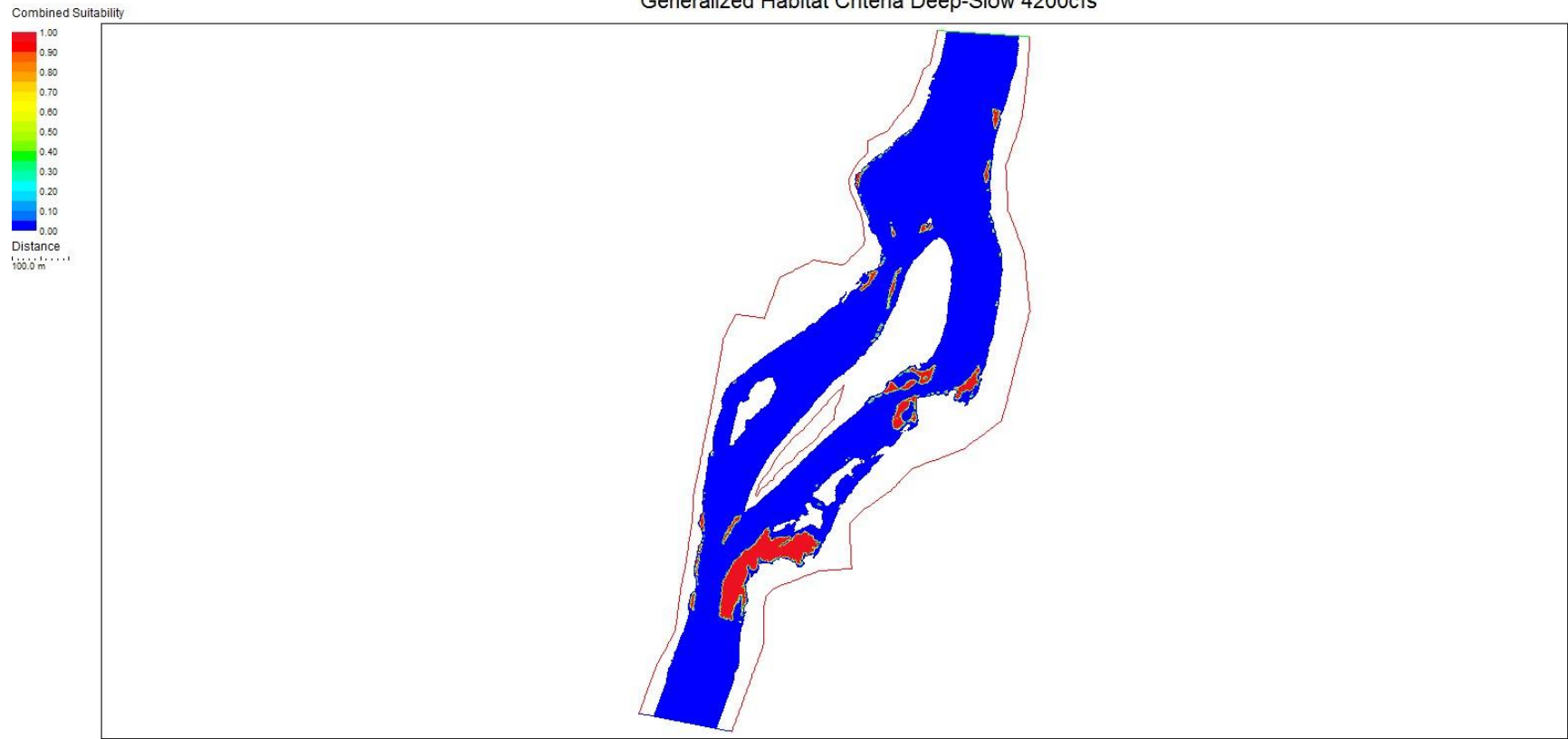
Generalized Habitat Criteria Deep-Slow 2200cfs



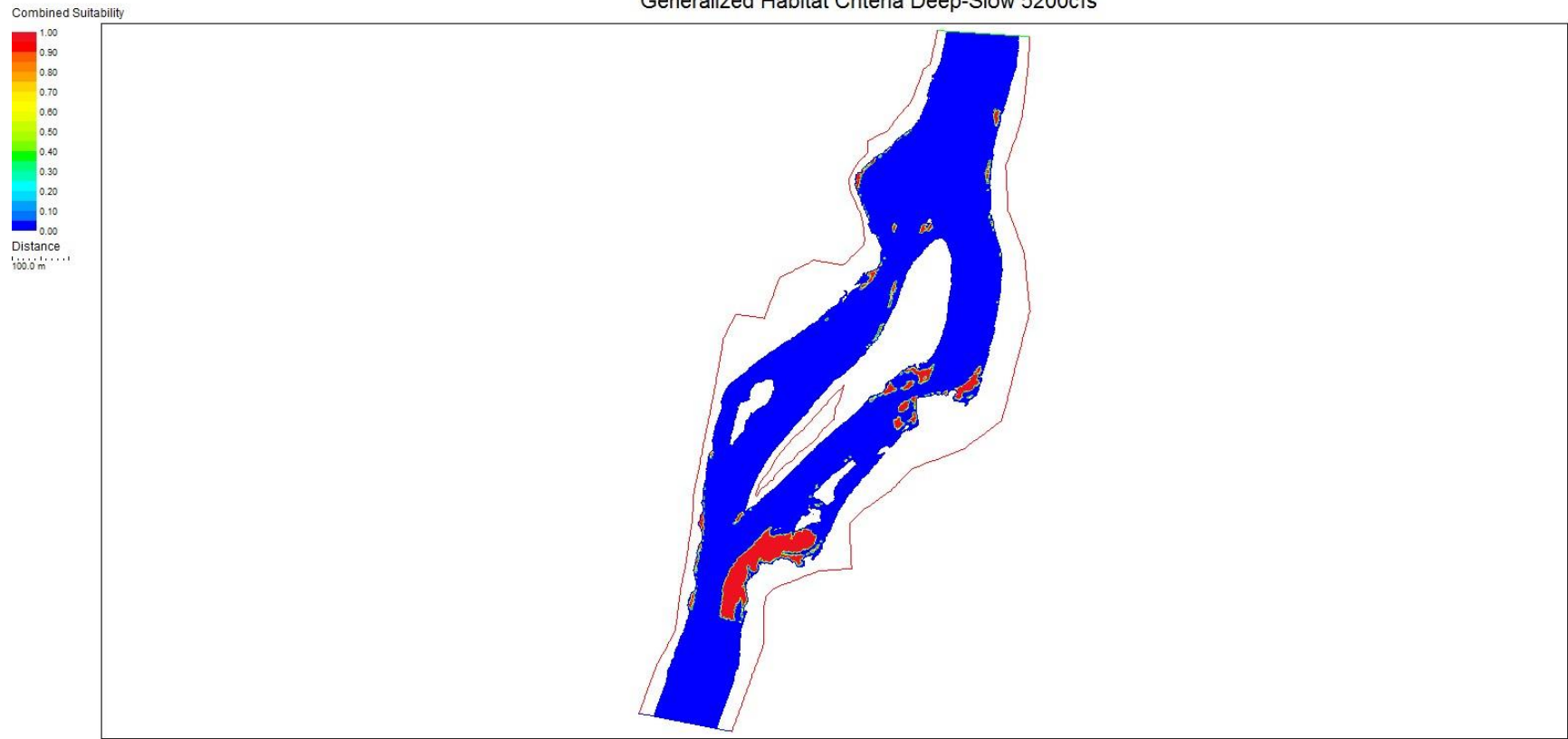
Generalized Habitat Criteria Deep-Slow 3200cfs



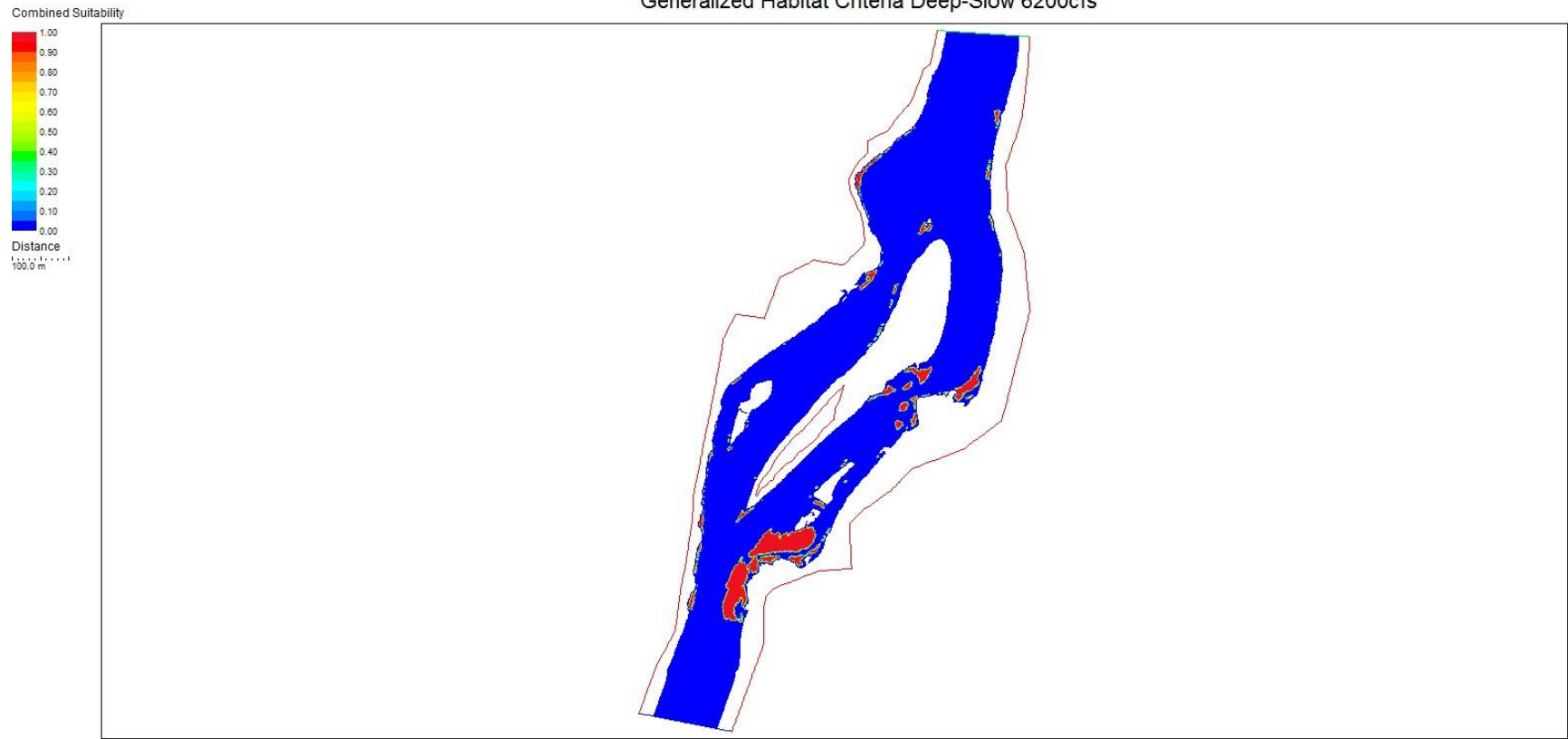
Generalized Habitat Criteria Deep-Slow 4200cfs



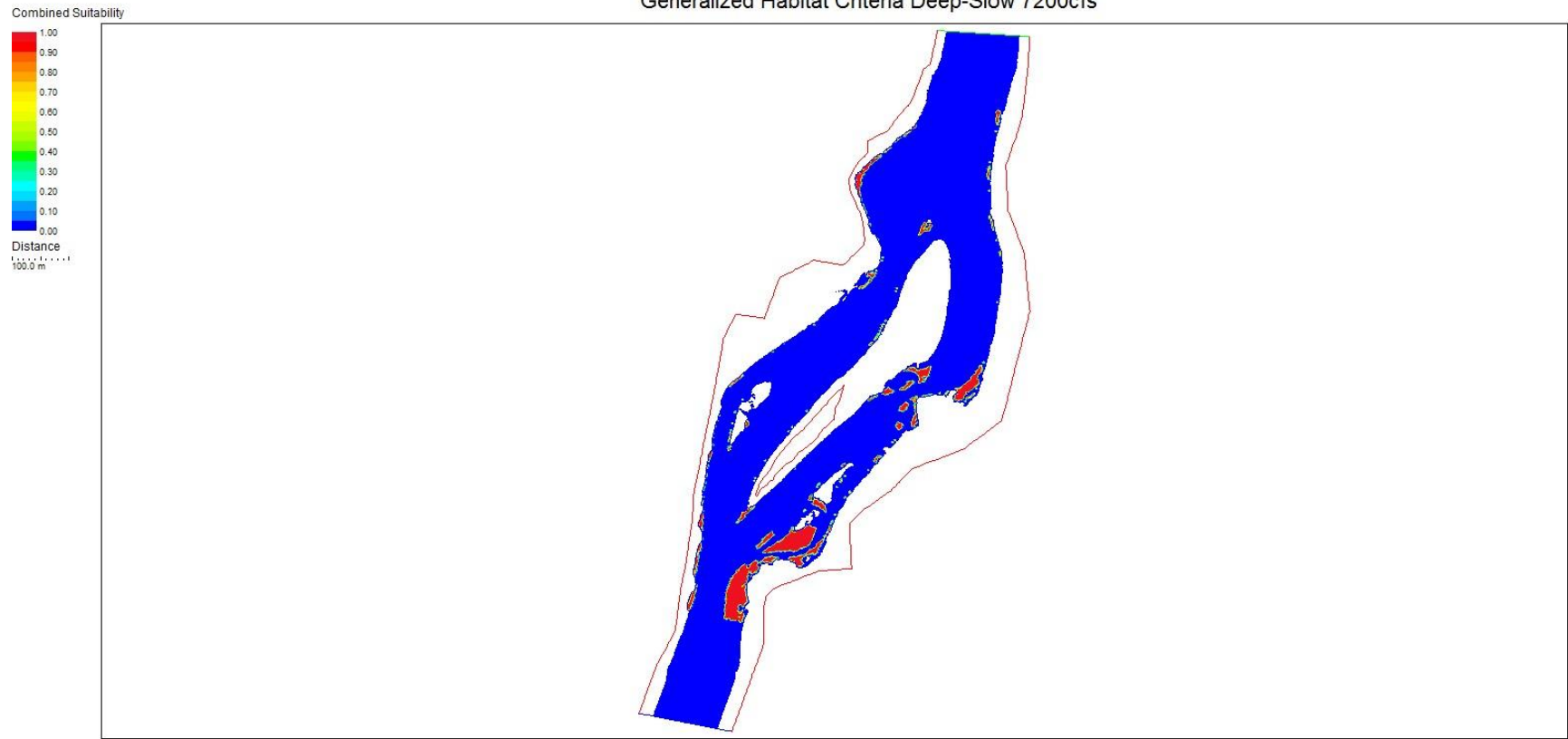
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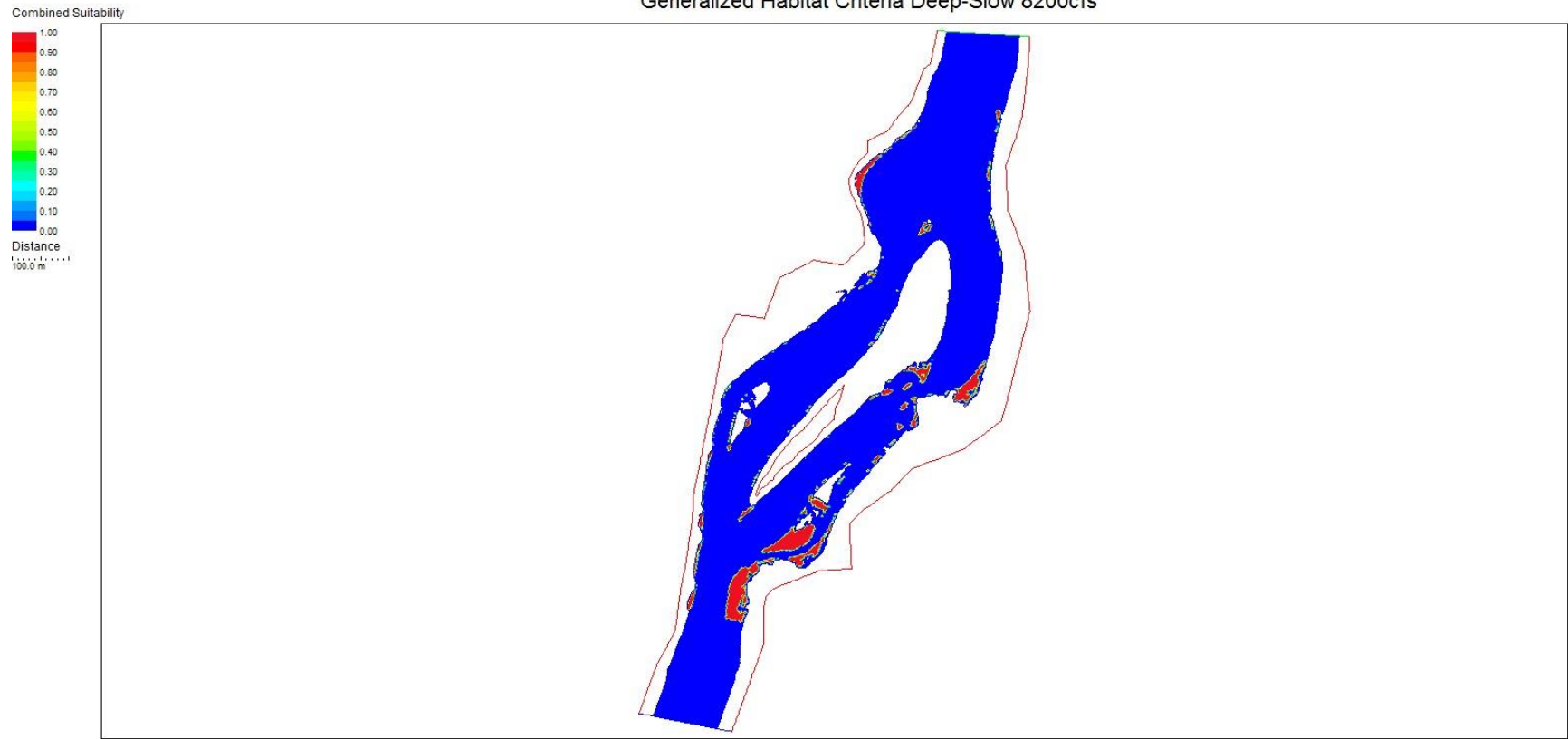
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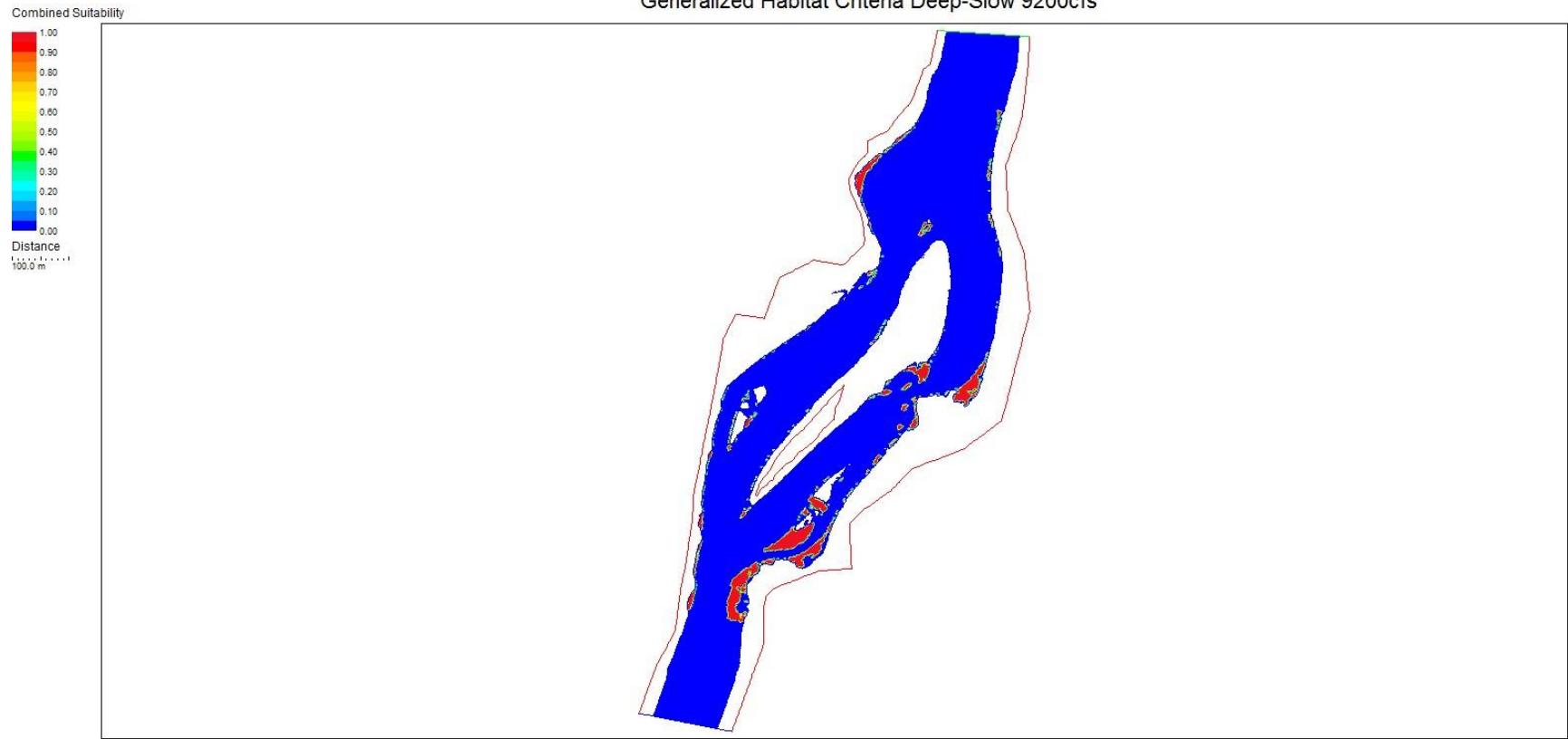
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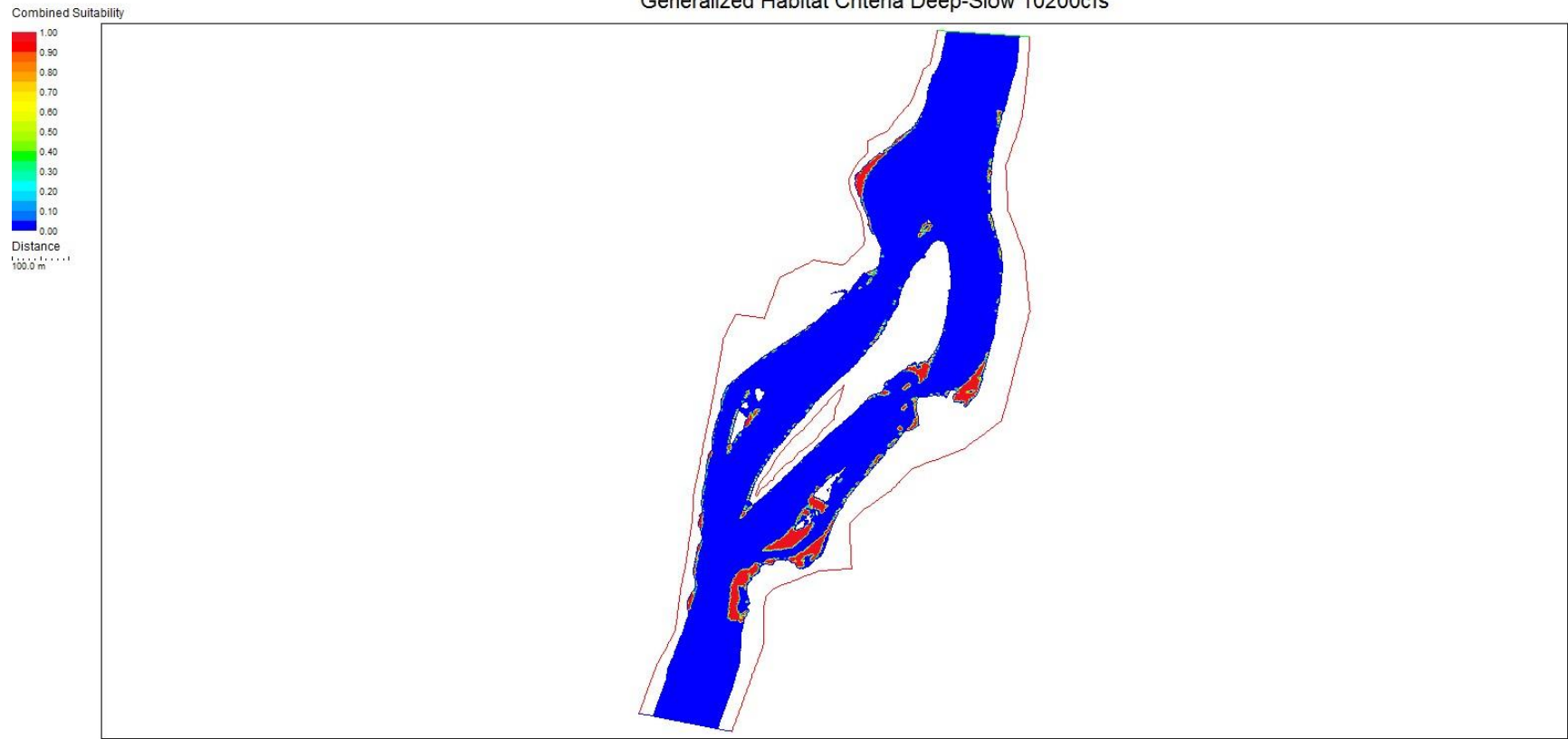
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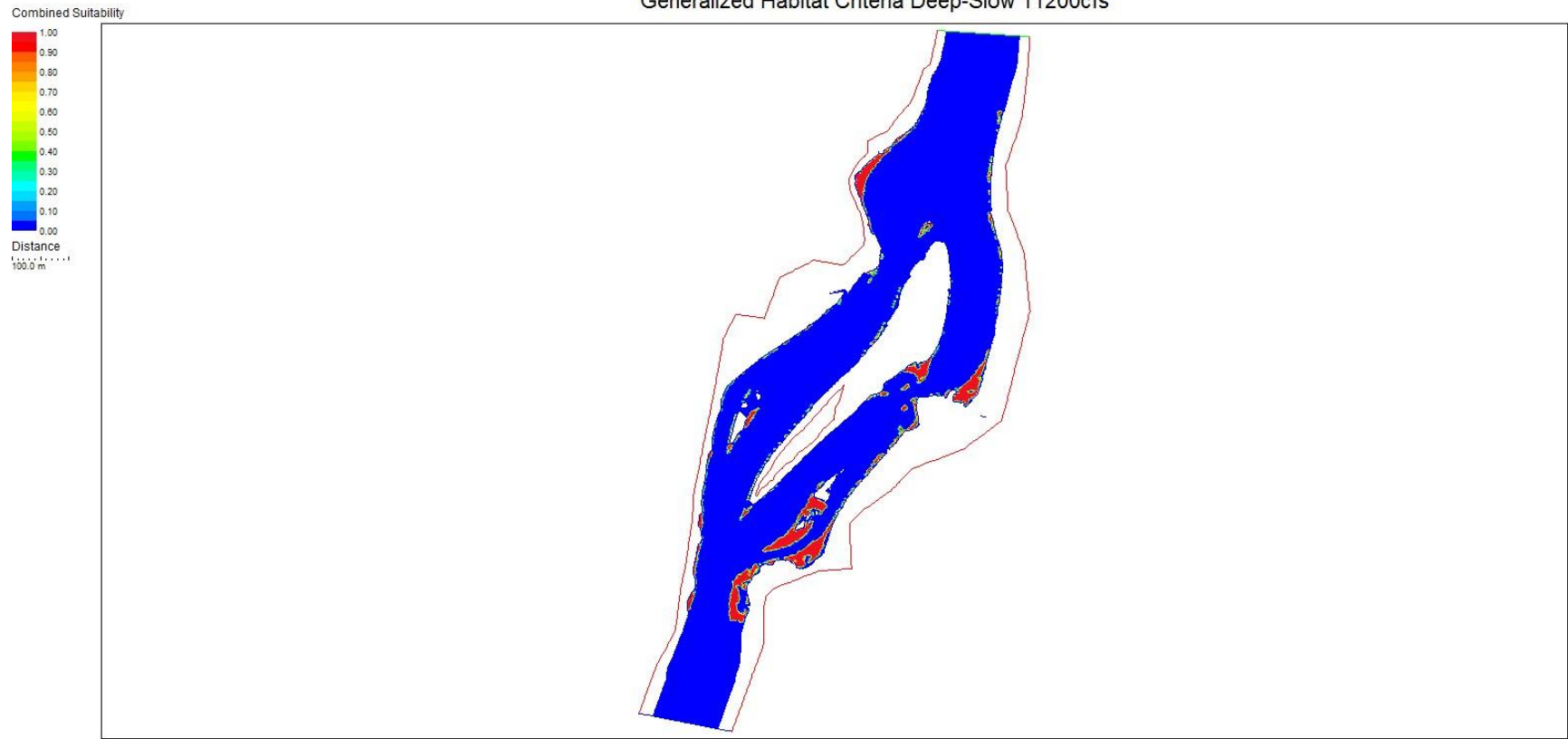
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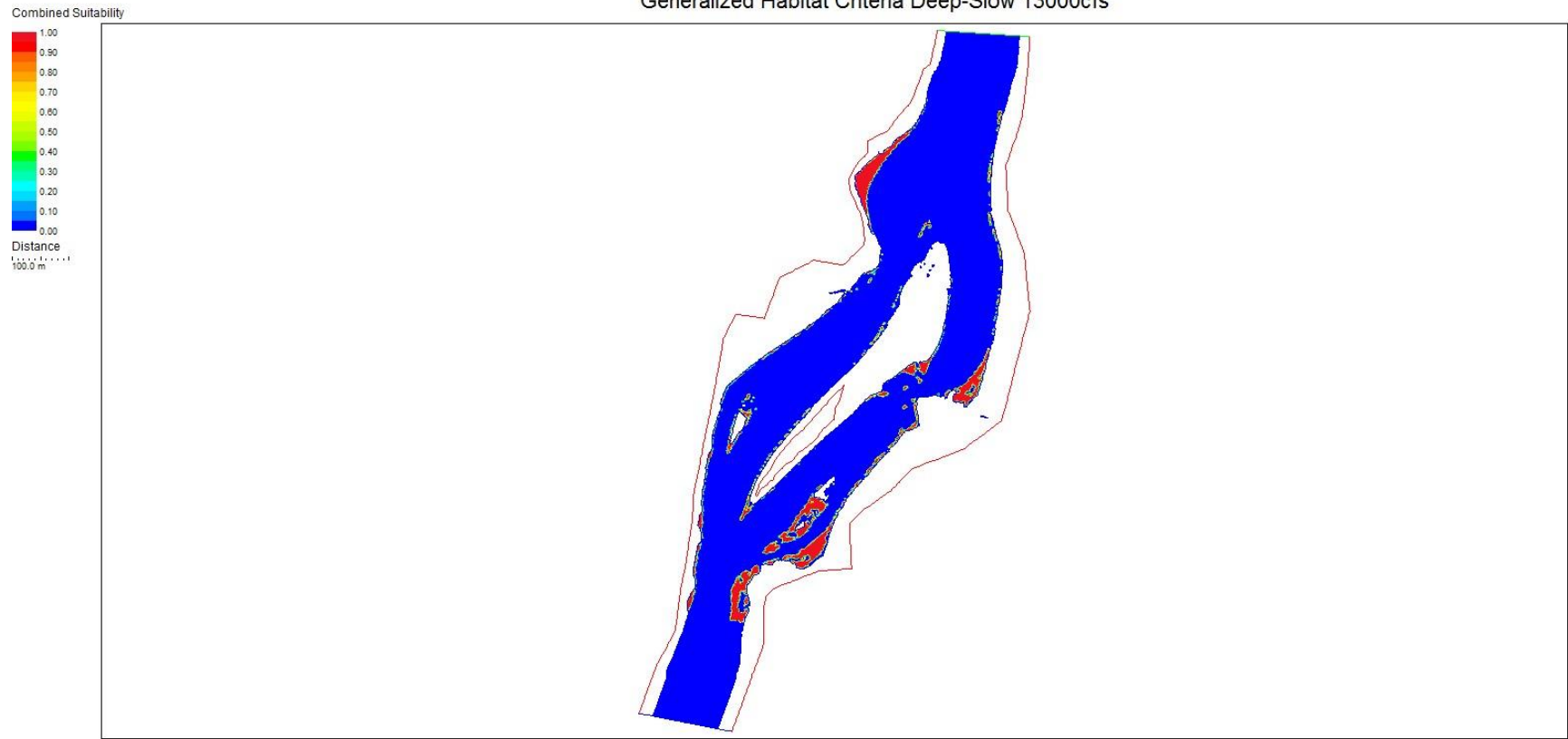
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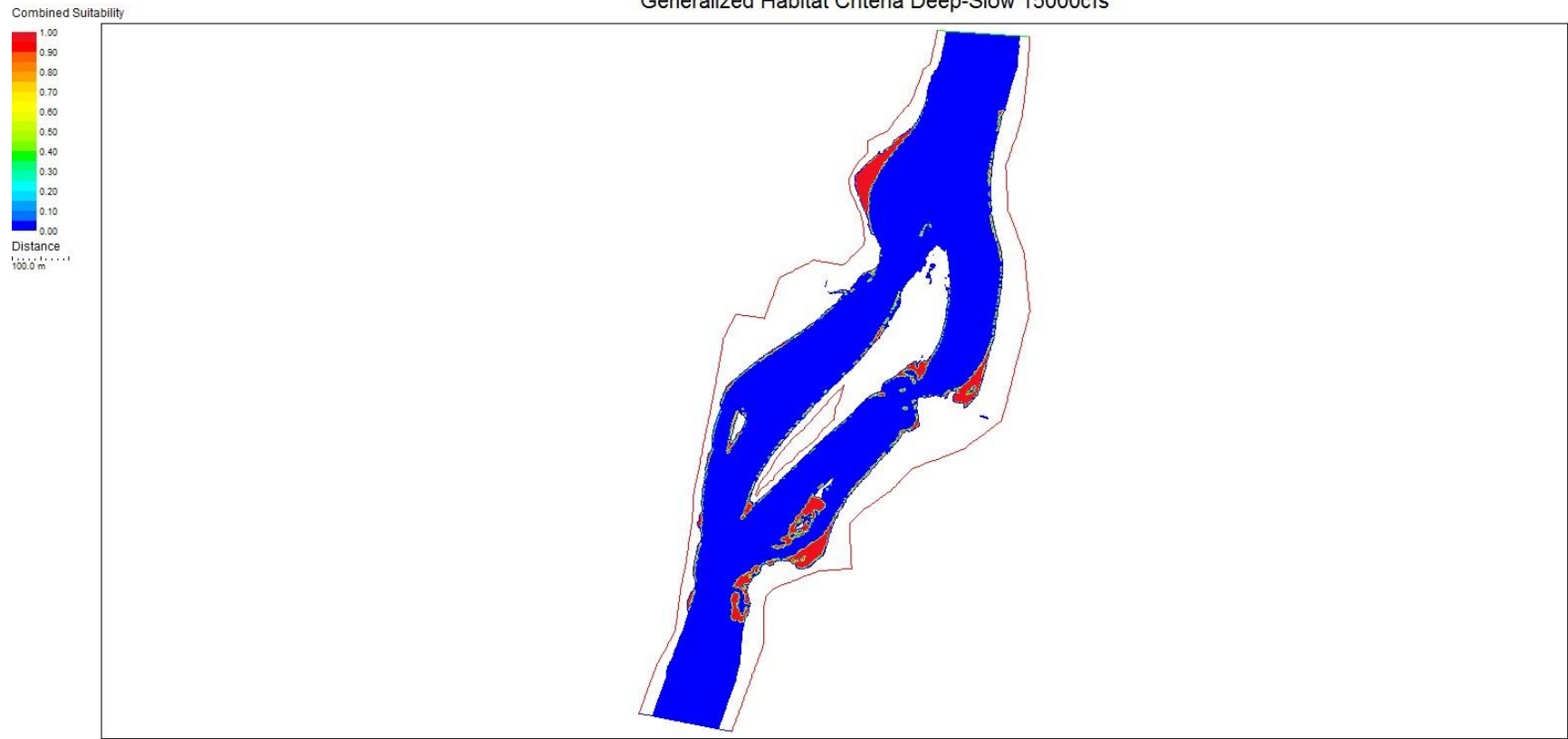
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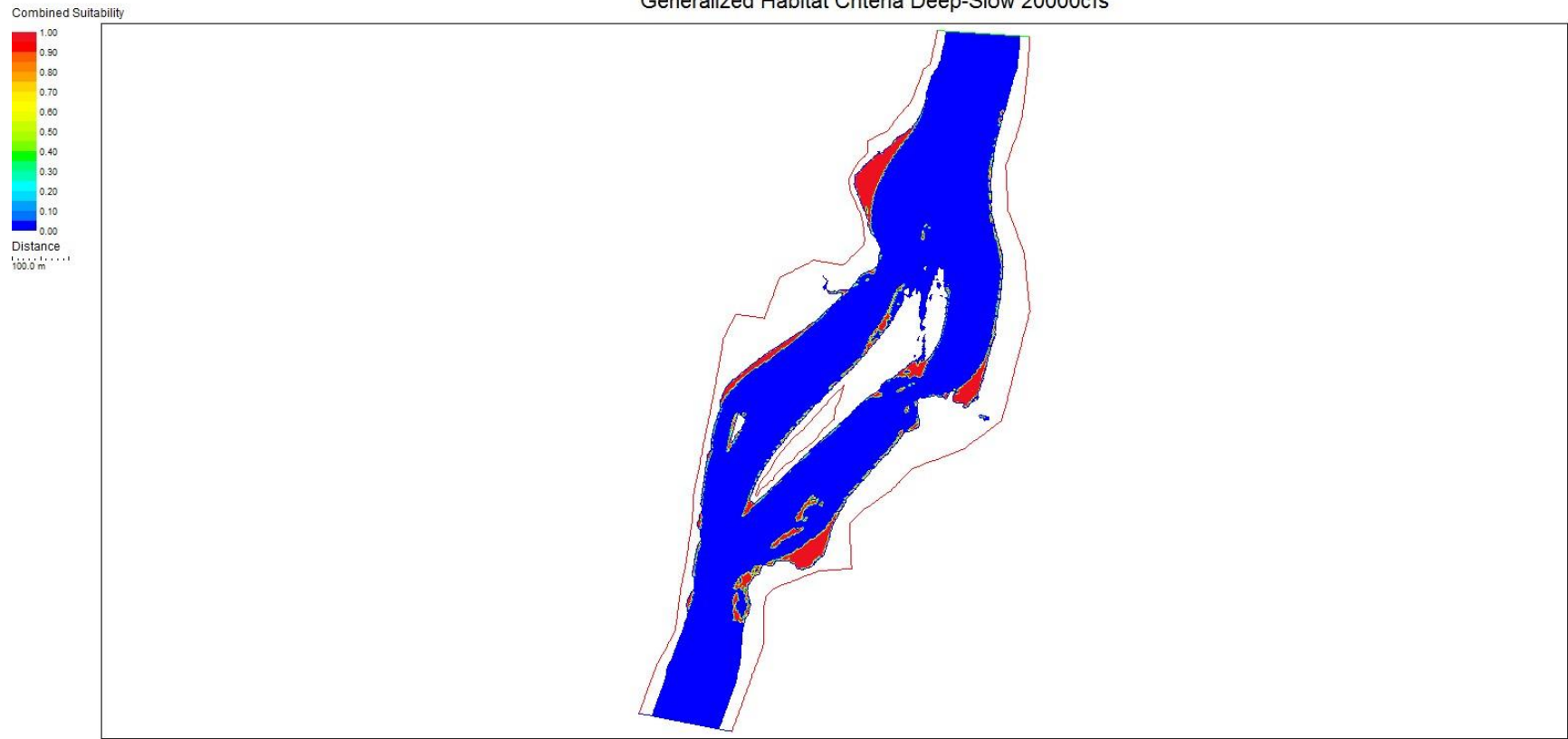
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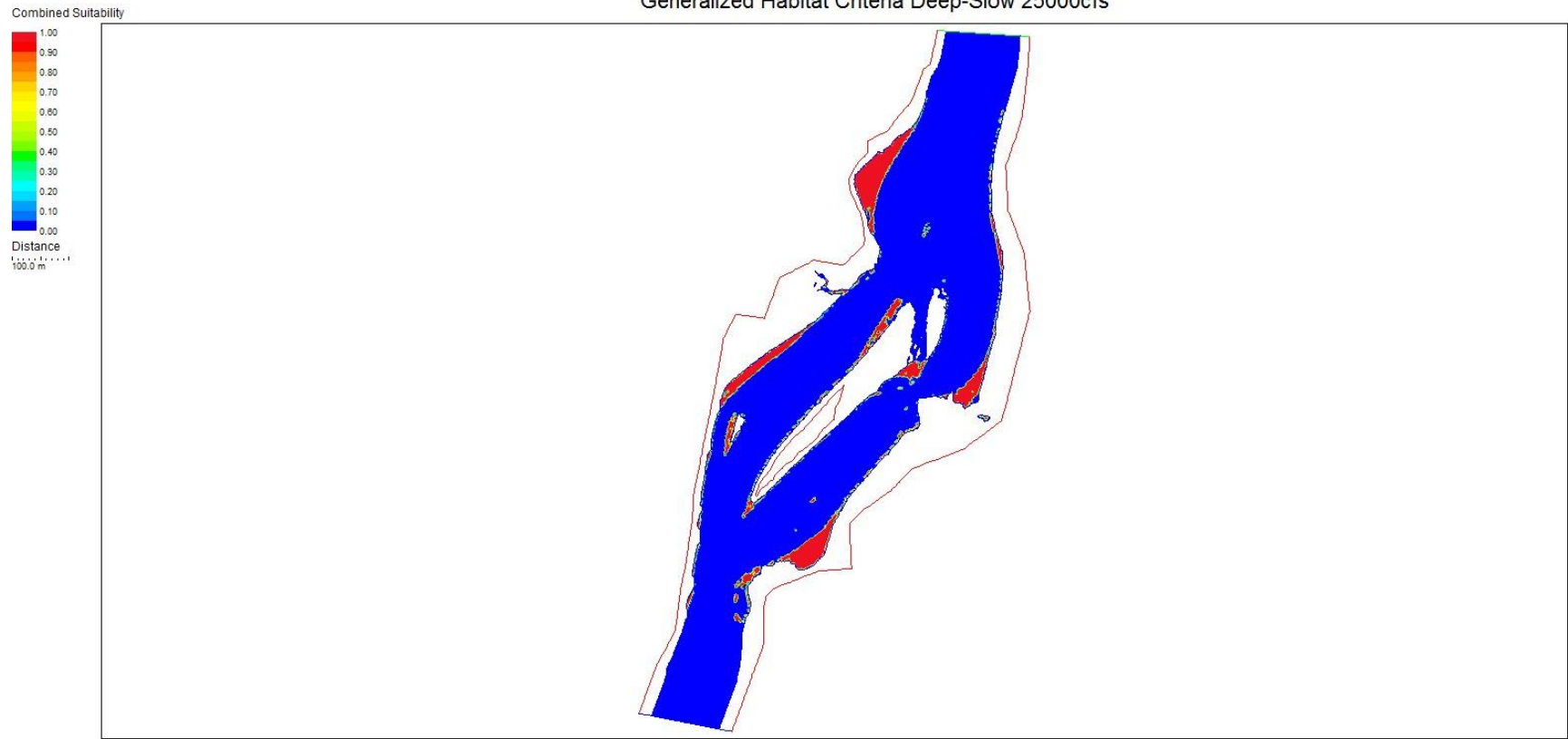
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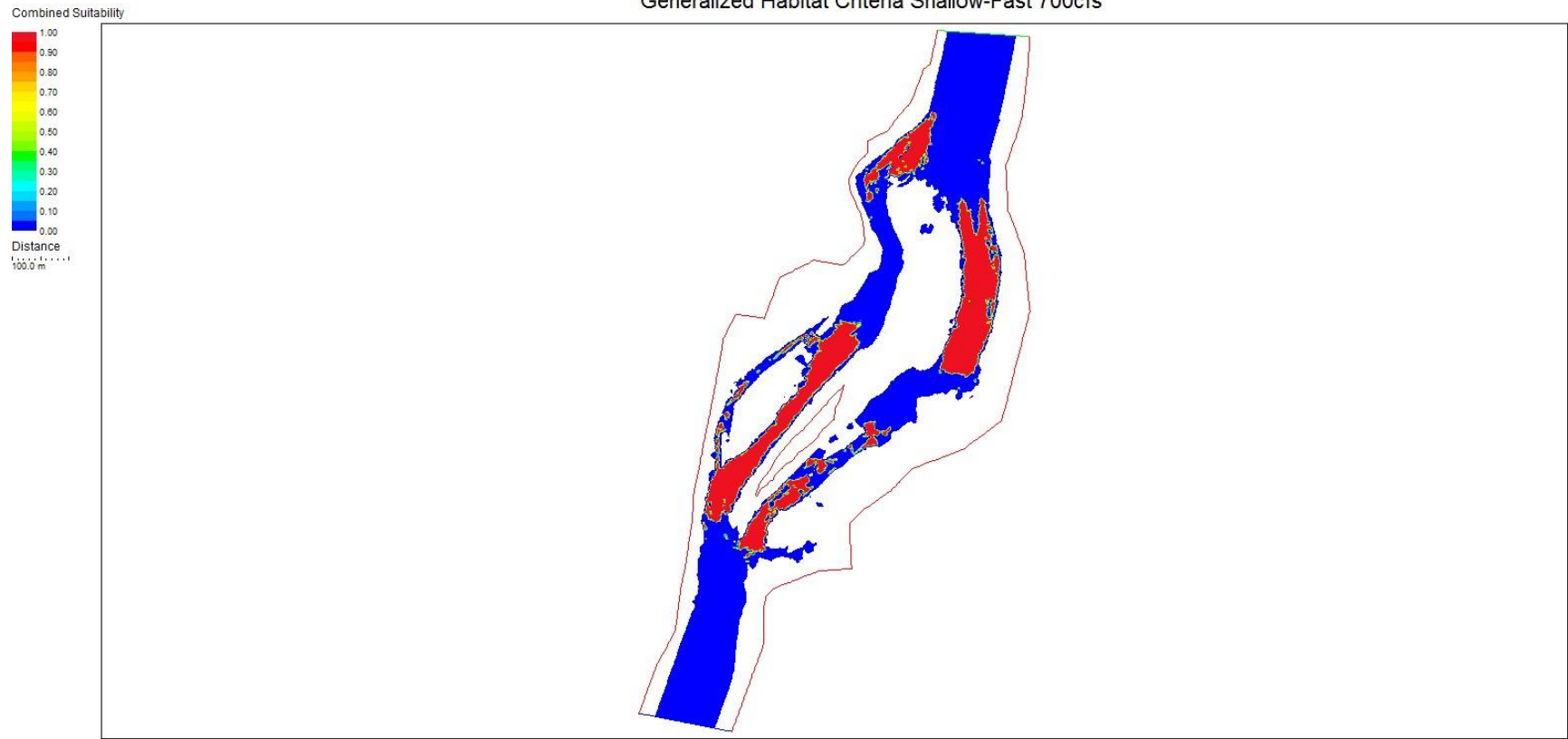
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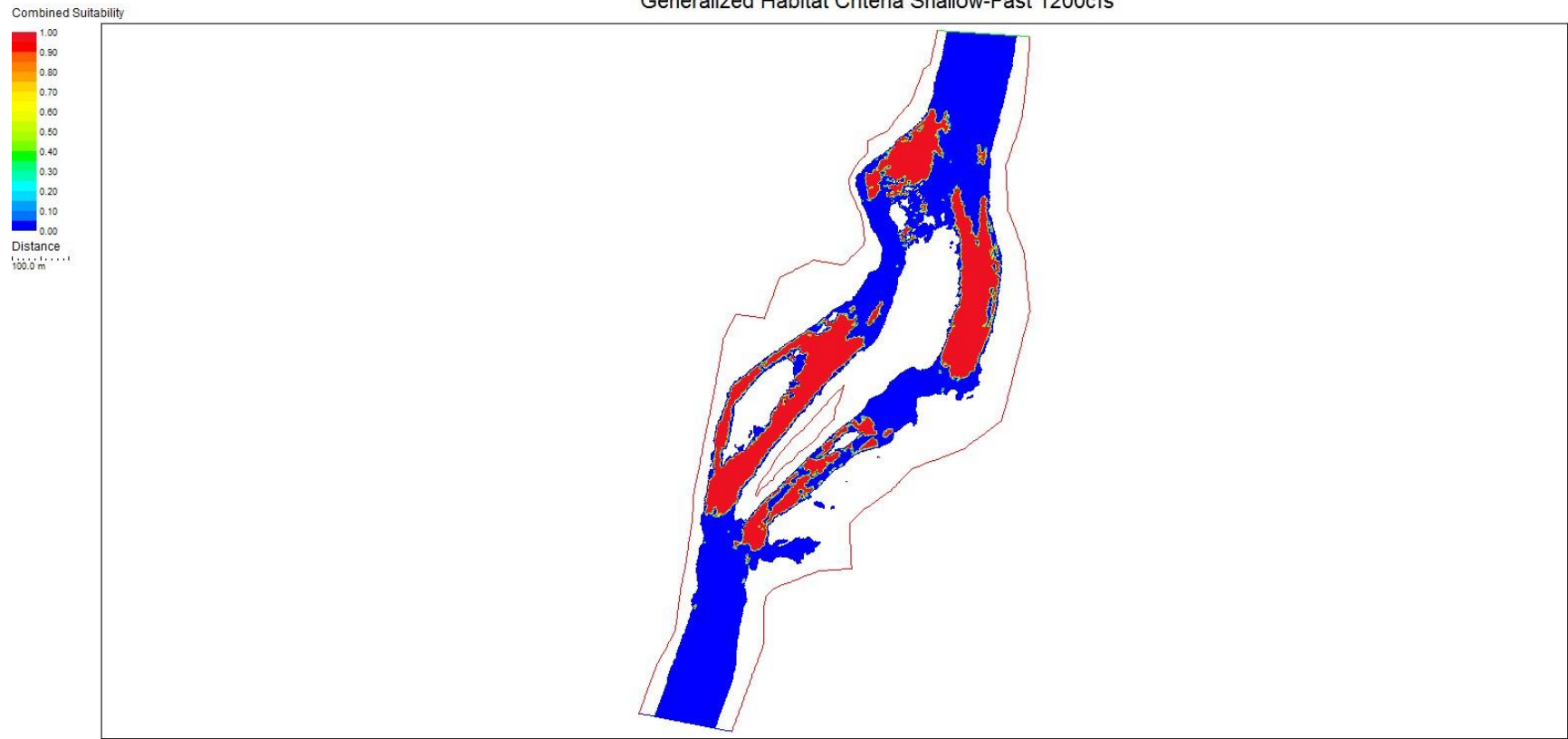
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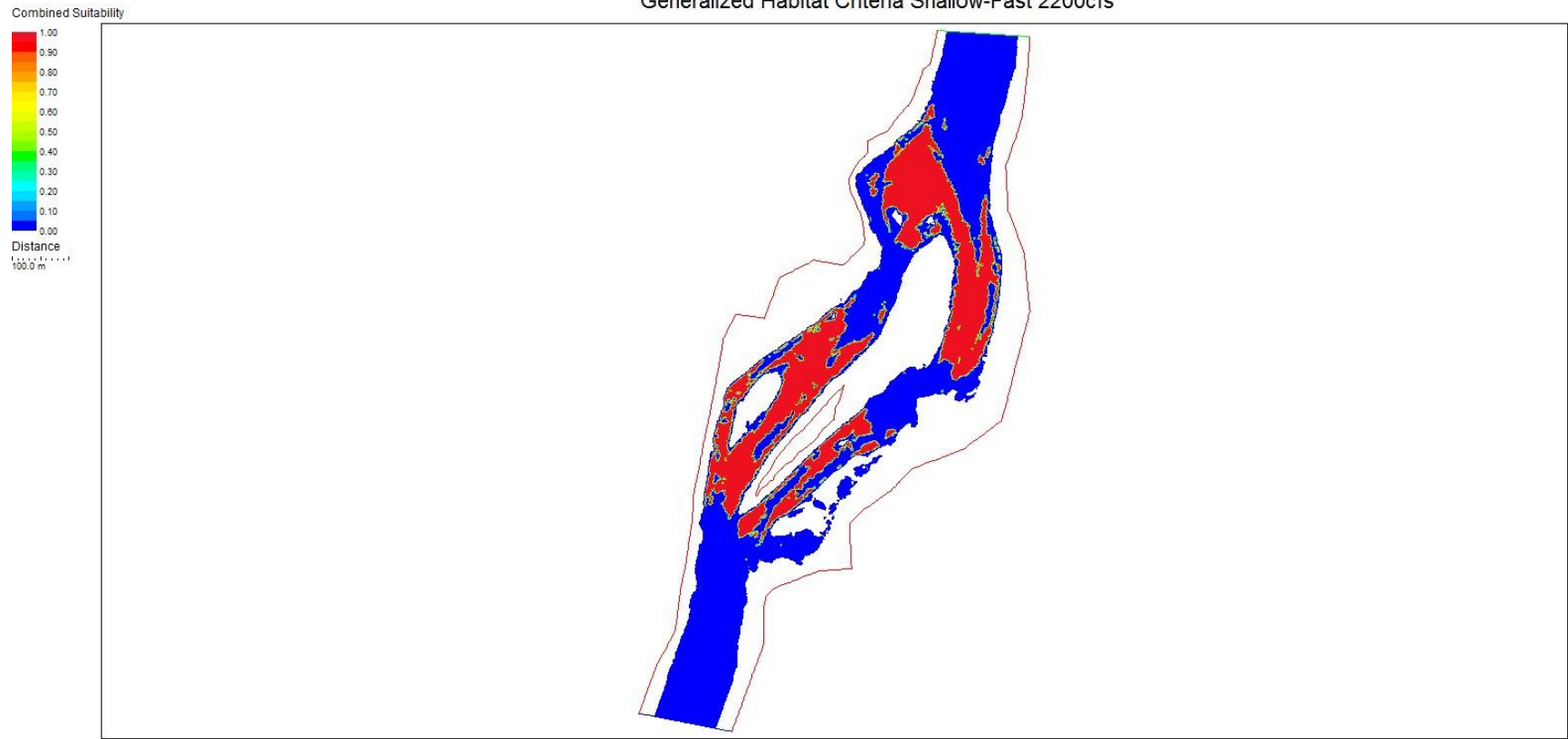
Generalized Habitat Criteria Shallow-Fast 700cfs



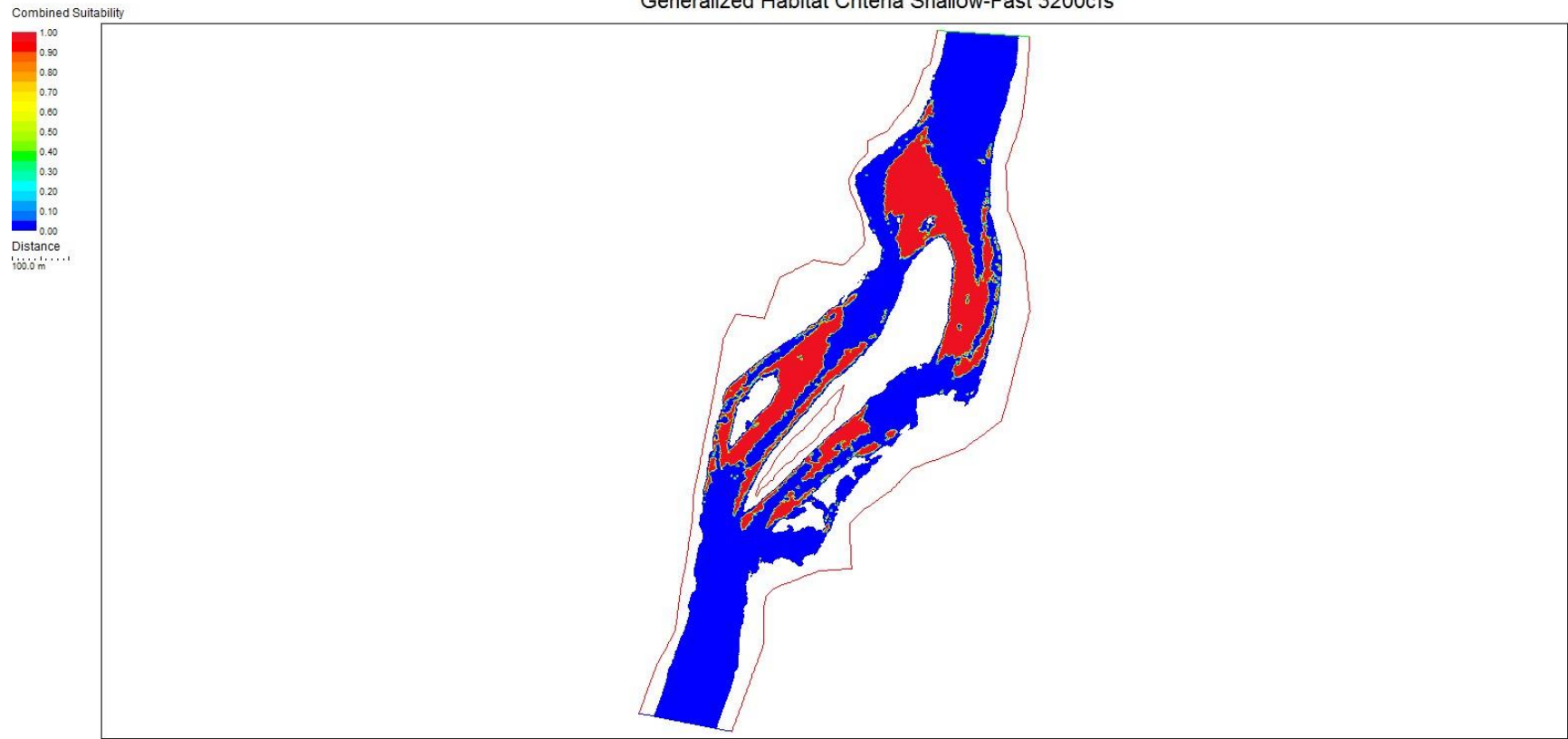
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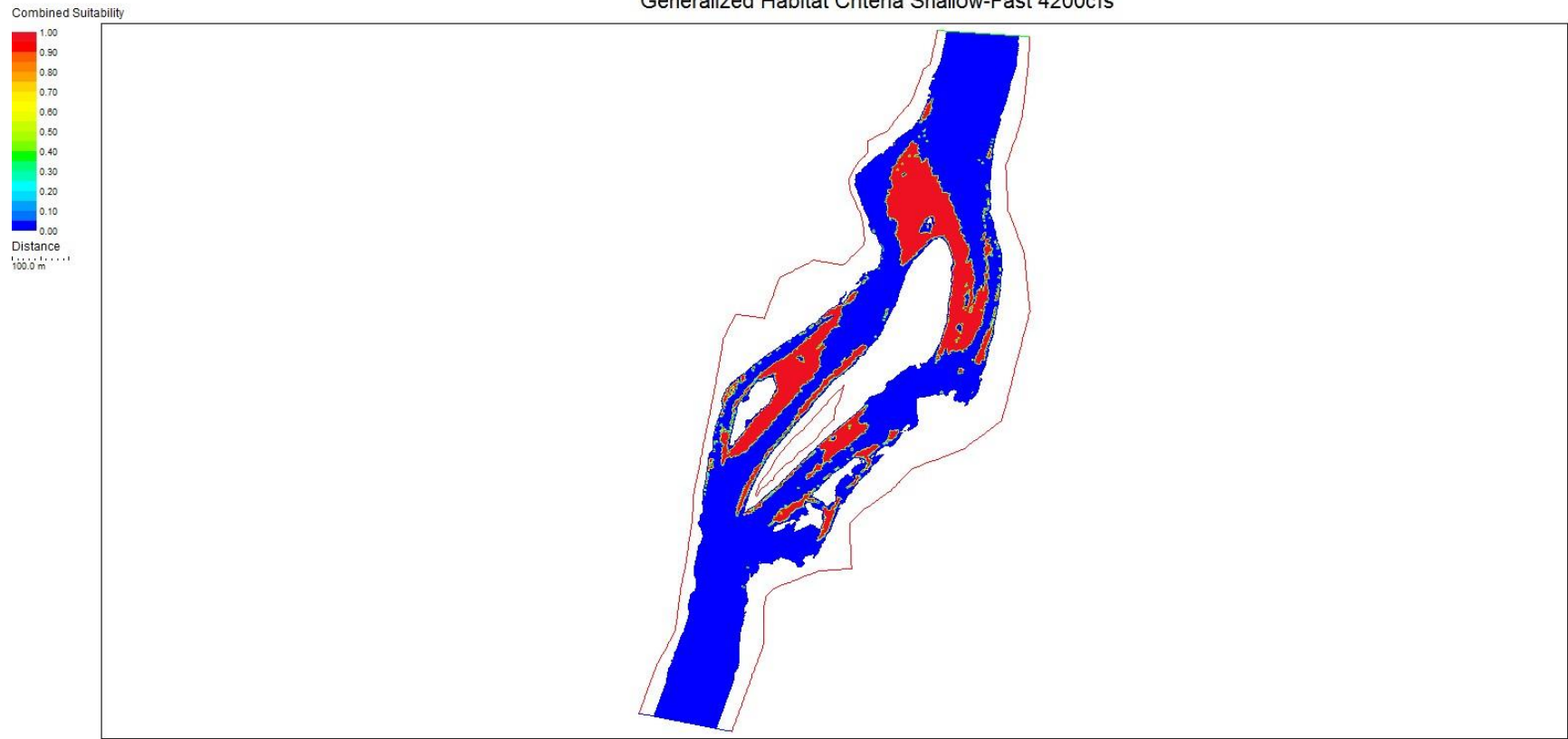
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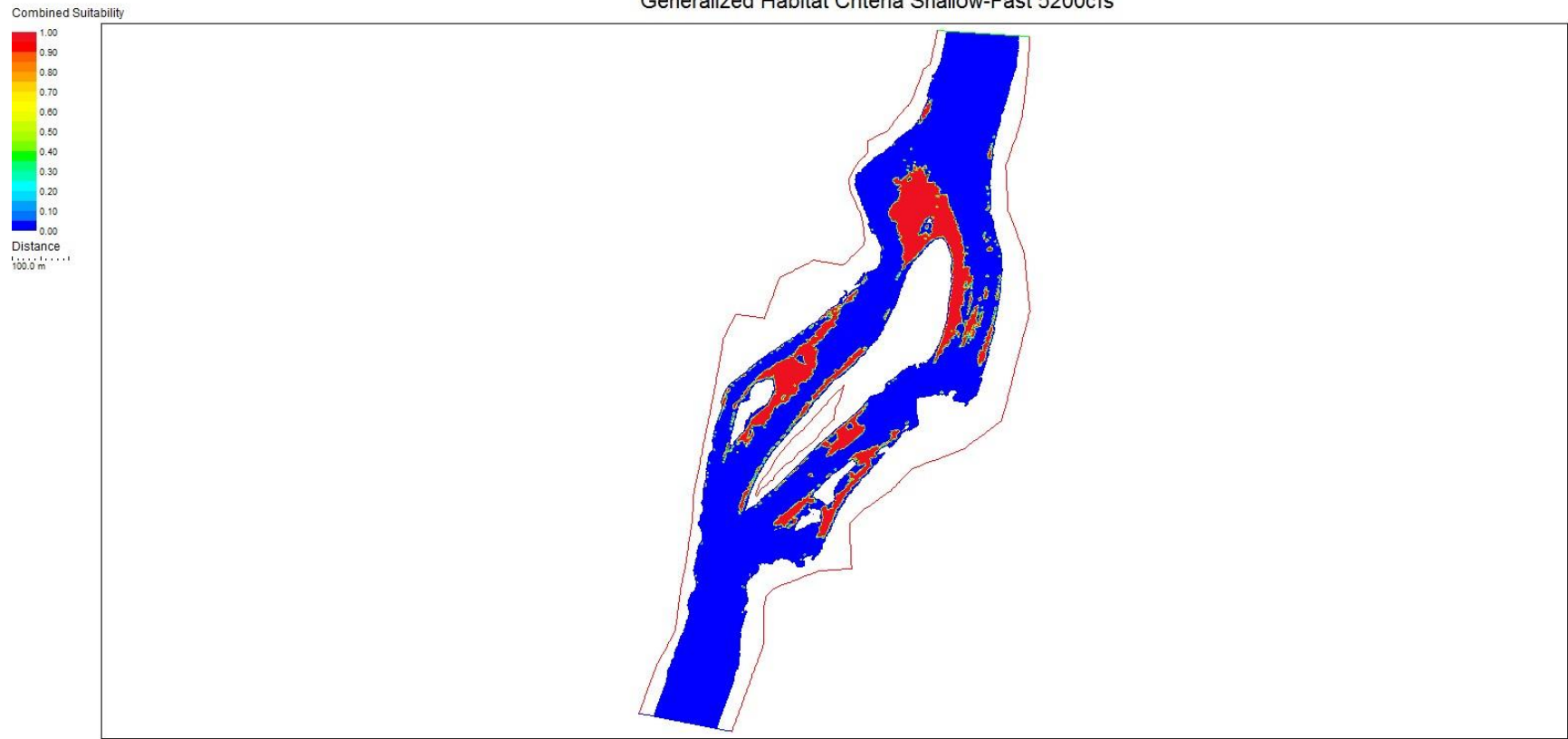
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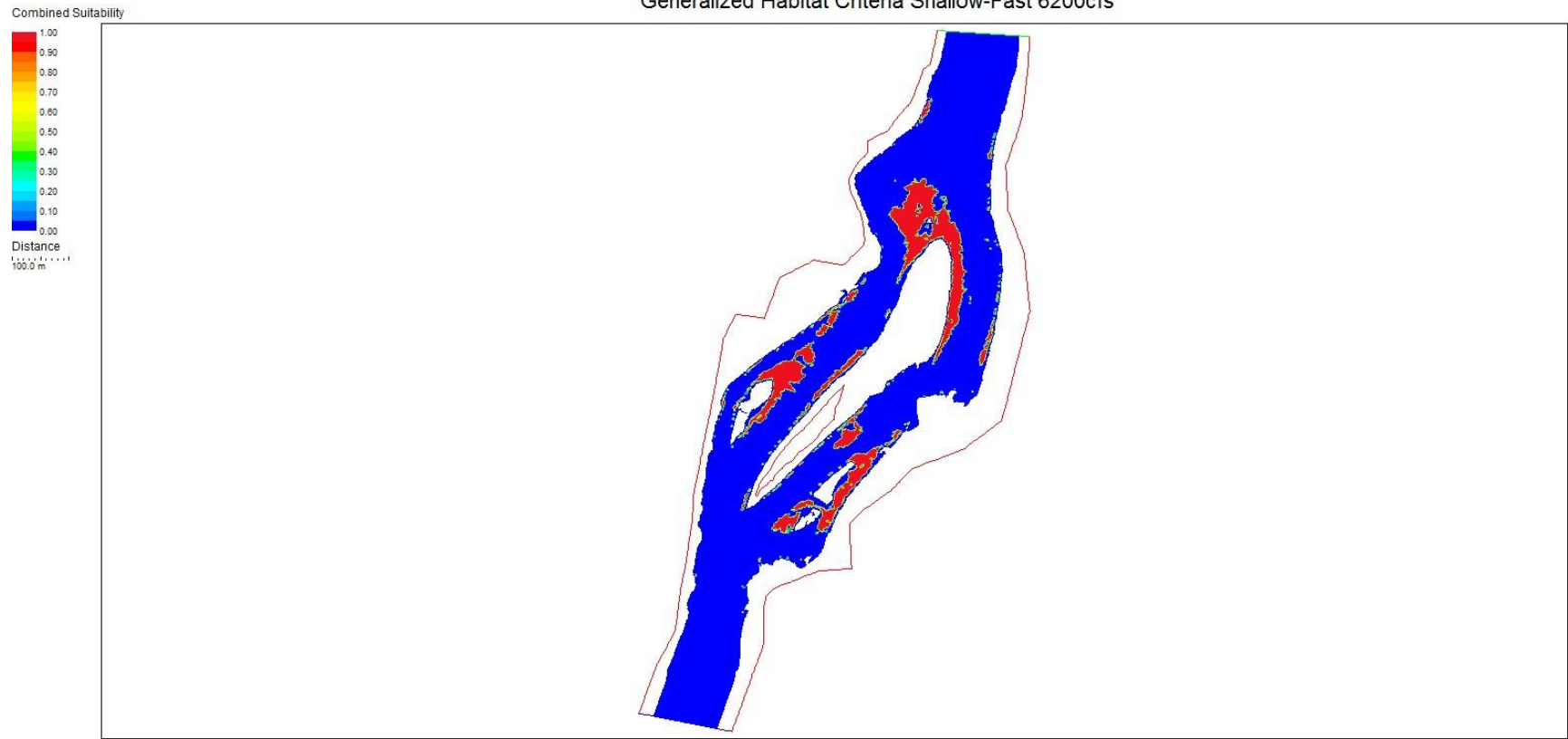
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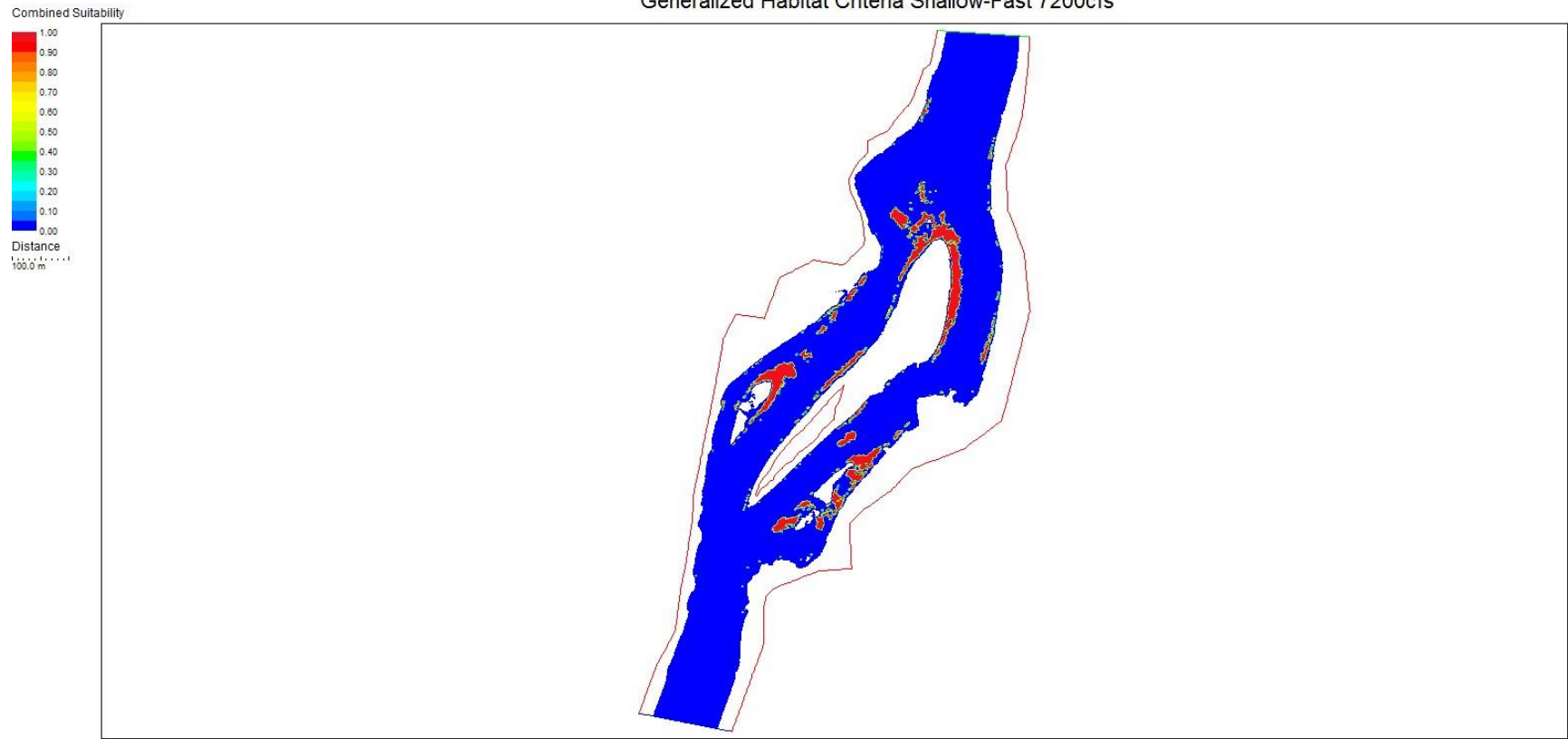
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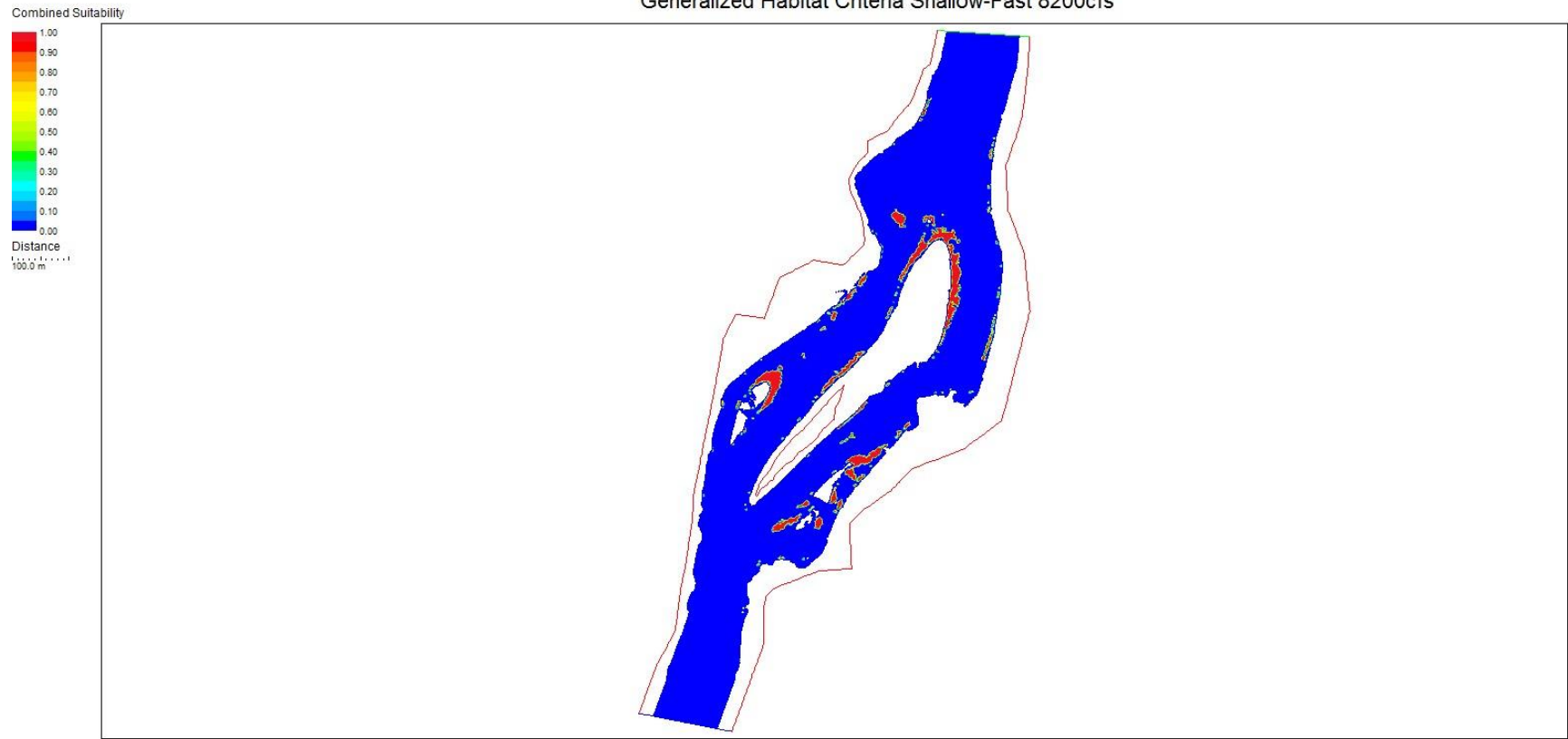
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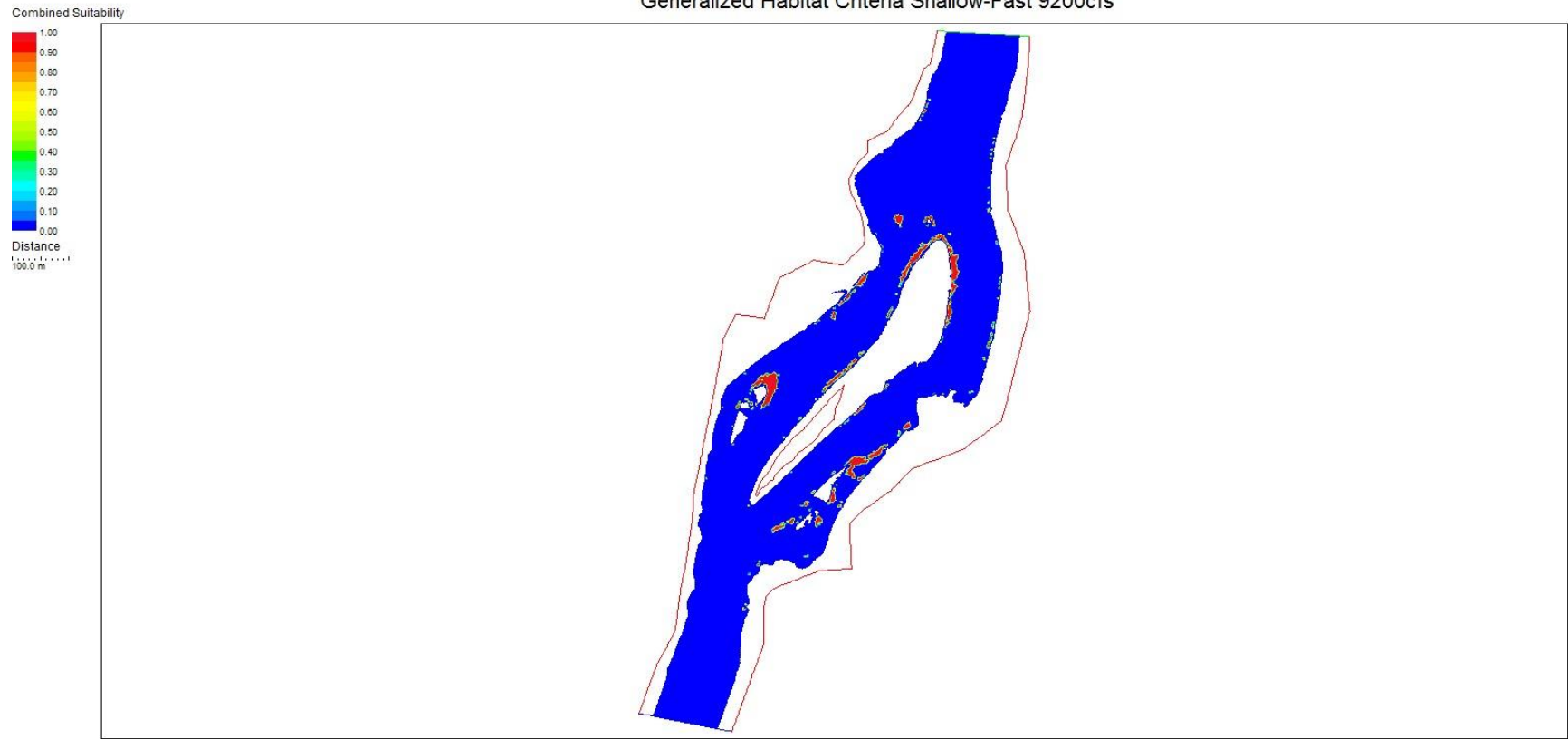
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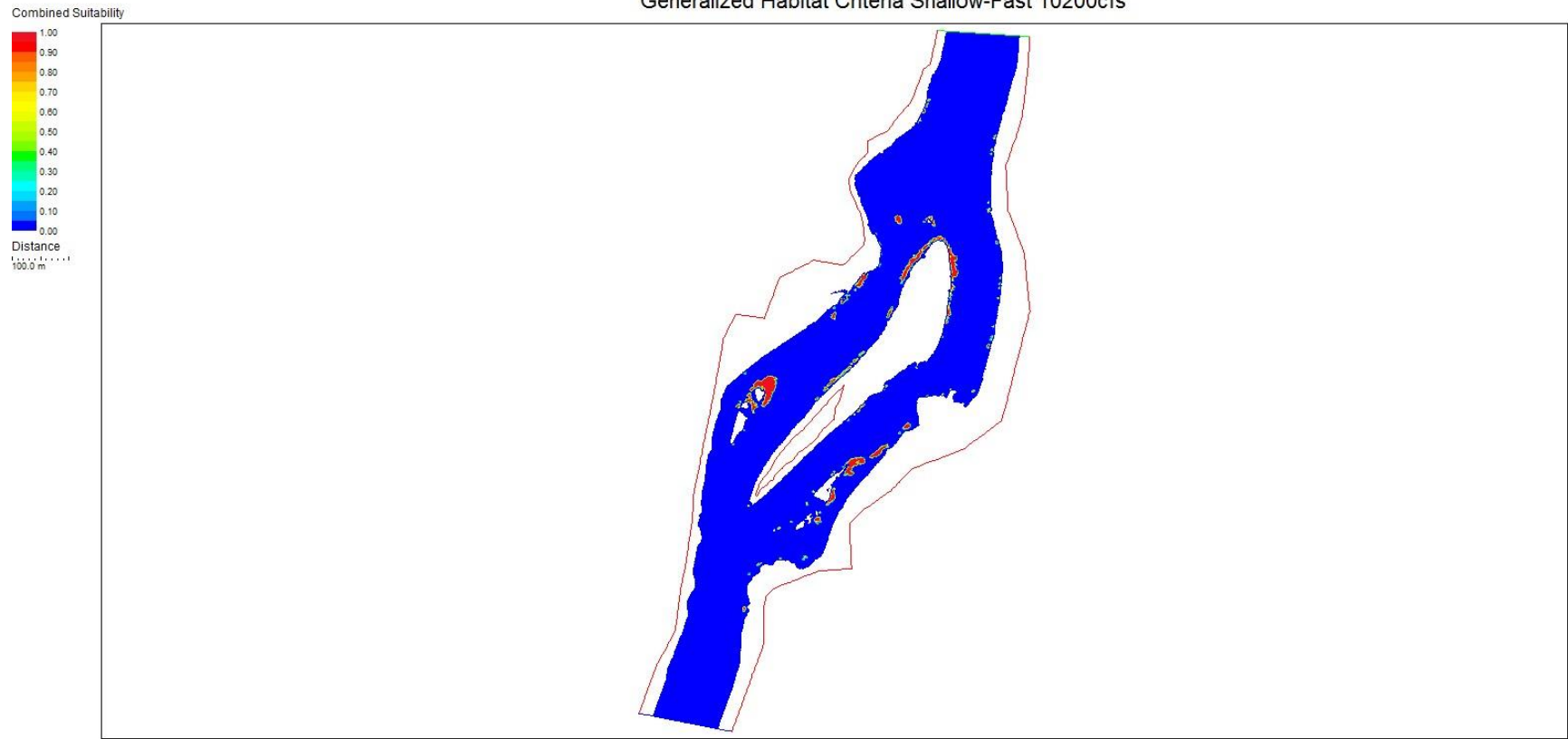
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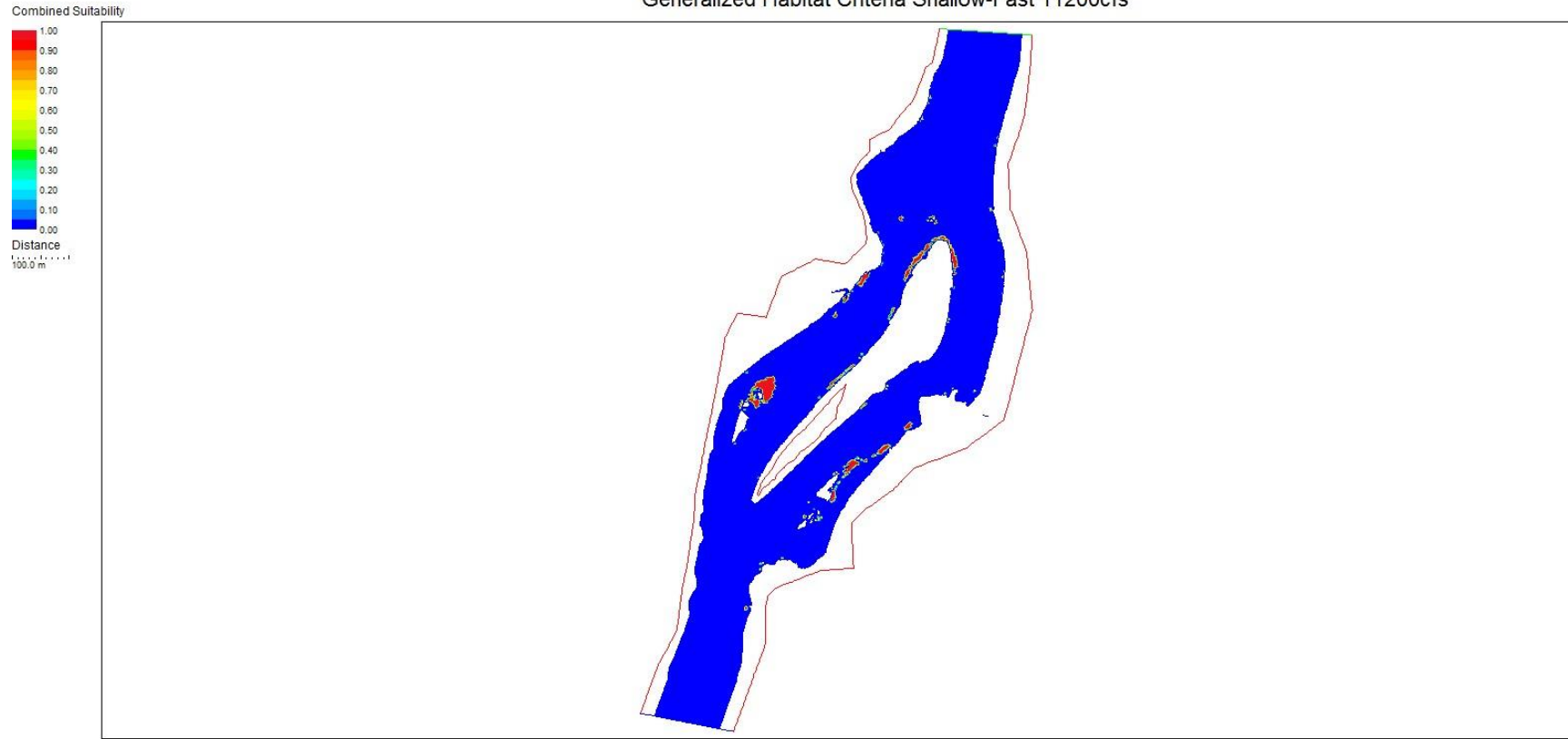
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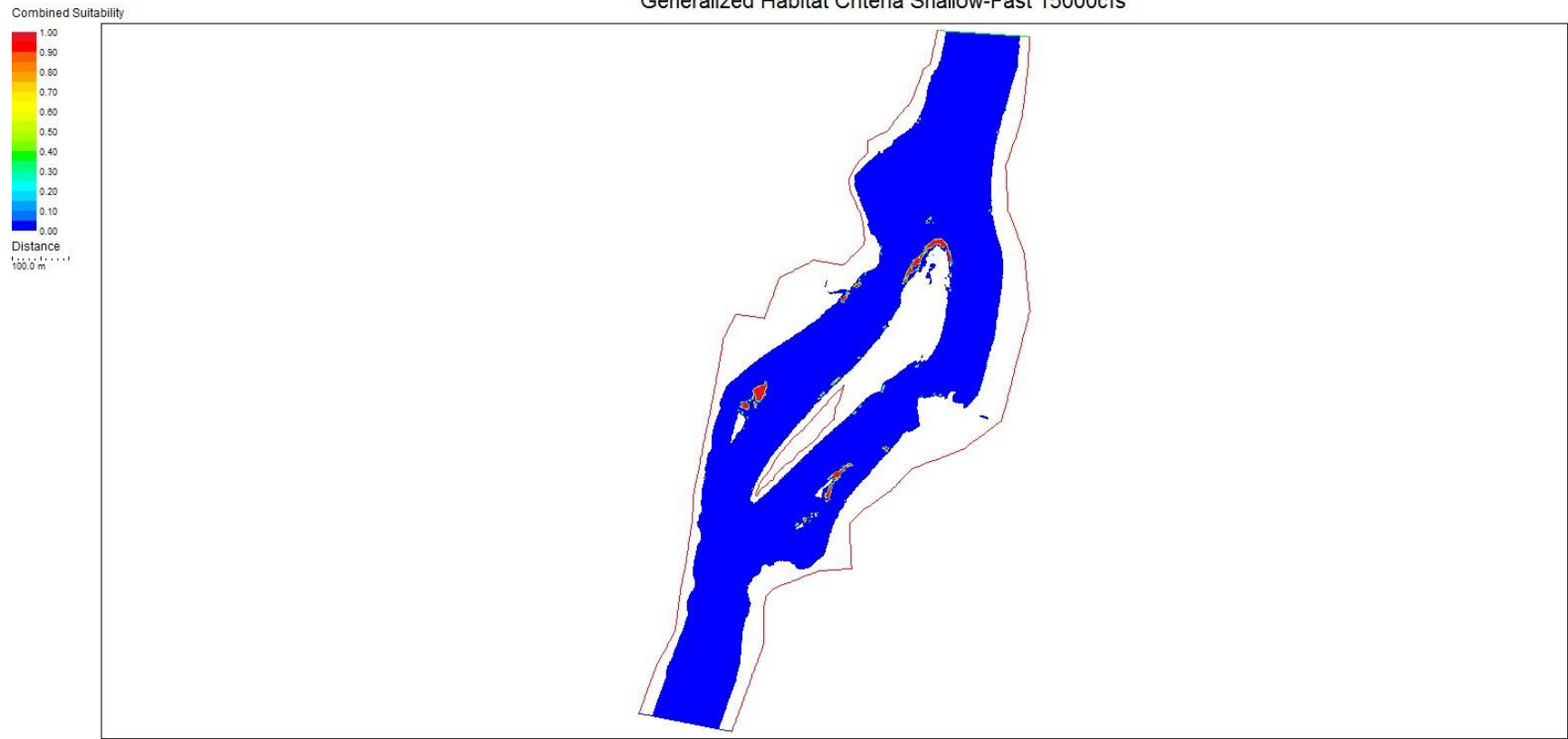
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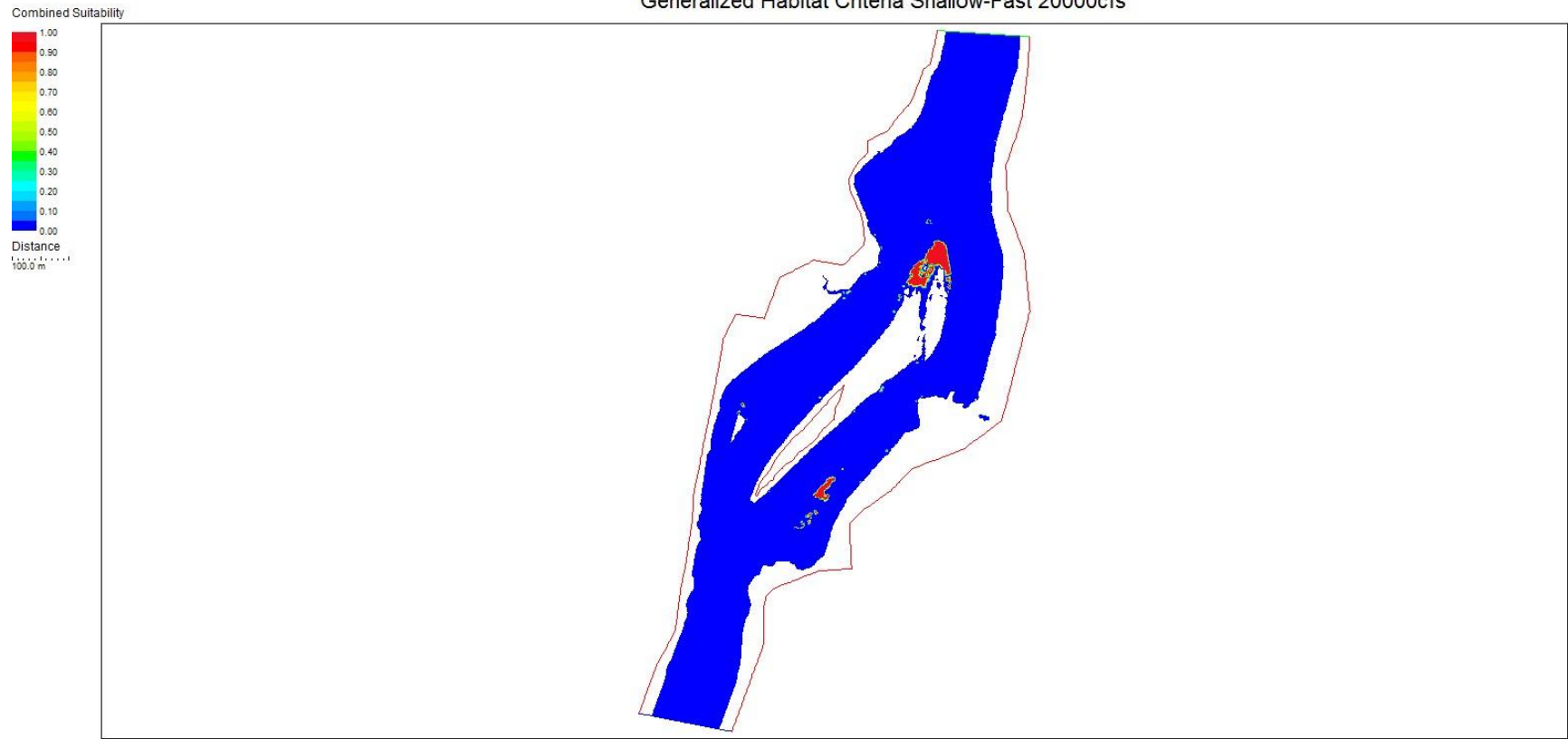
Generalized Habitat Criteria Shallow-Fast 11200cfs



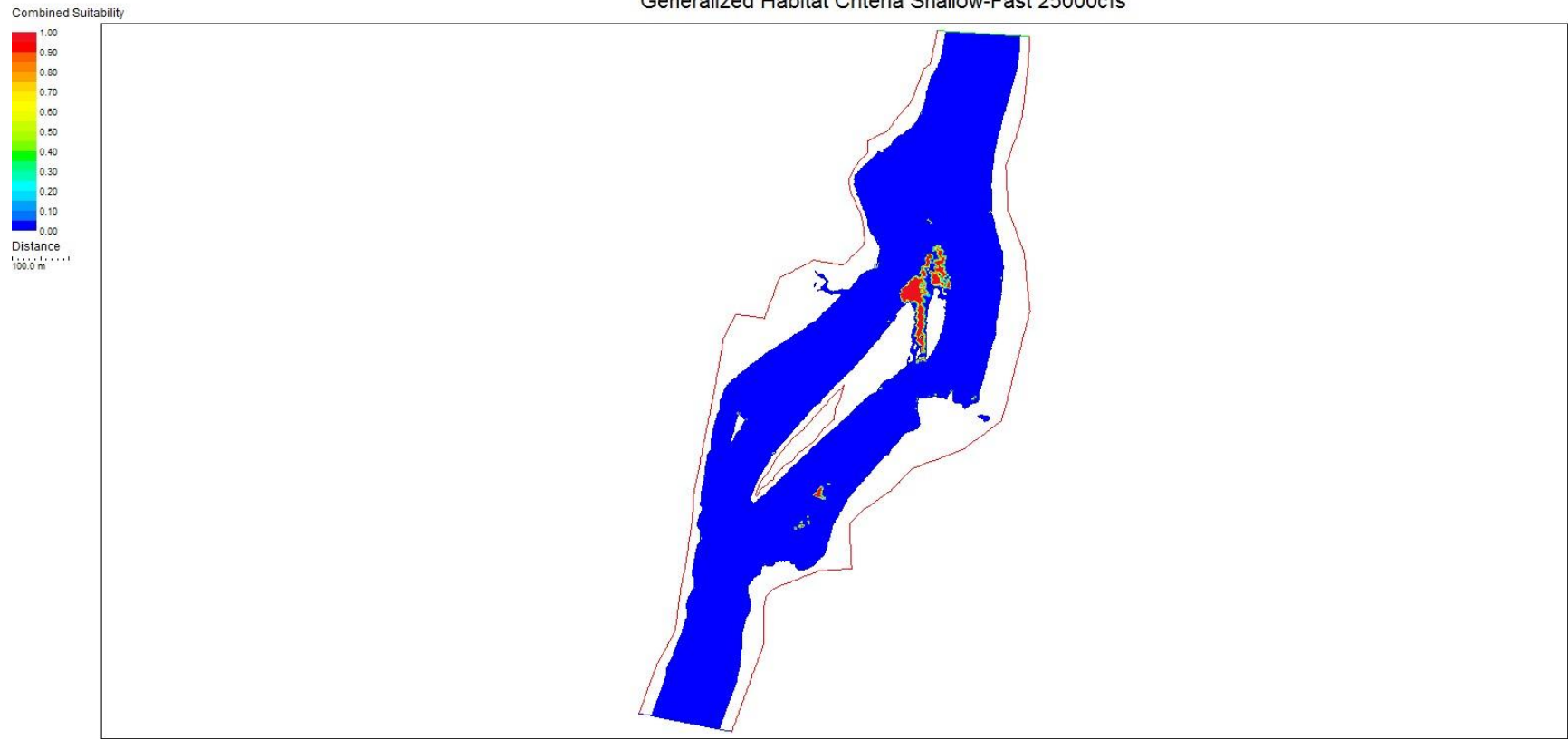
Generalized Habitat Criteria Shallow-Fast 15000cfs



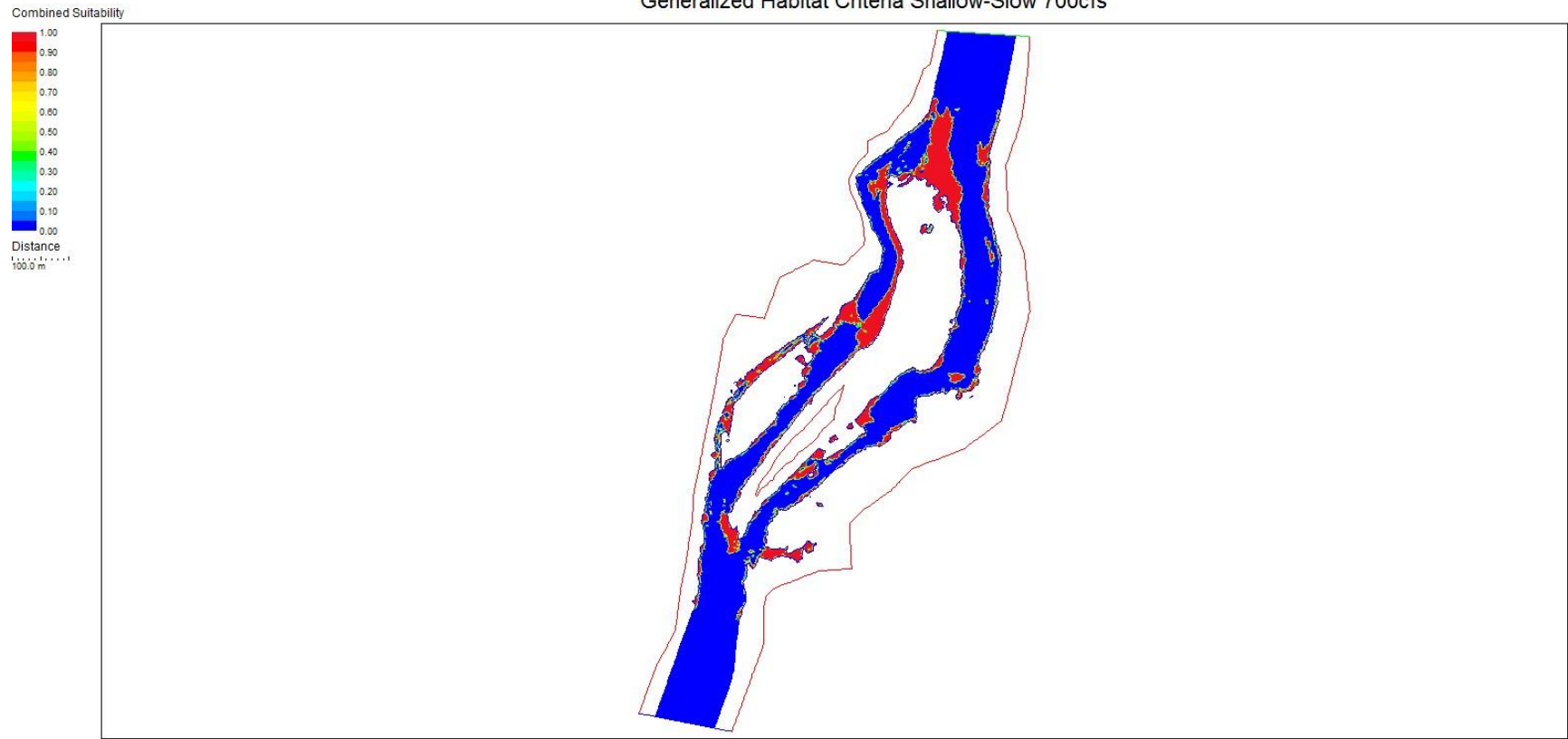
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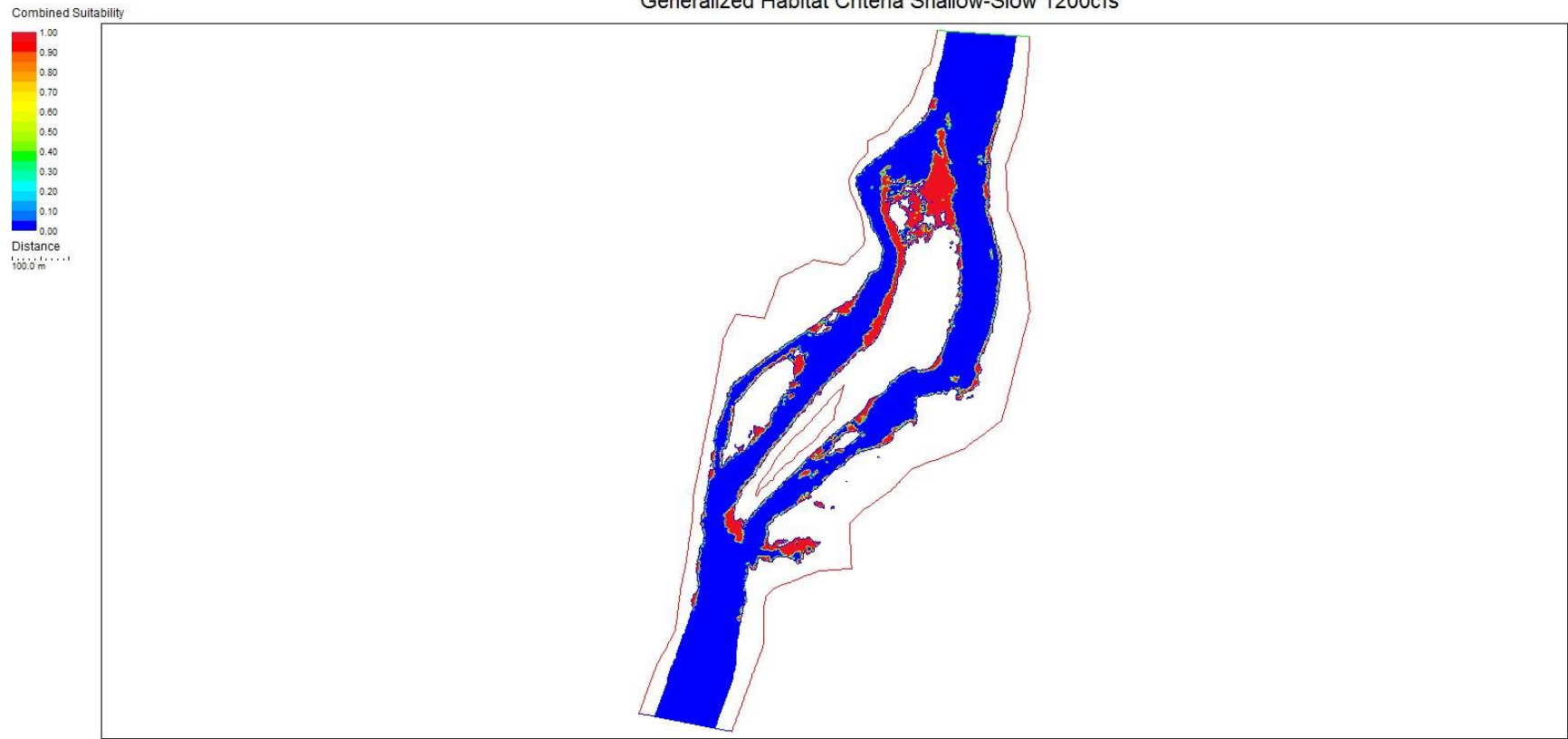
Generalized Habitat Criteria Shallow-Fast 25000cfs



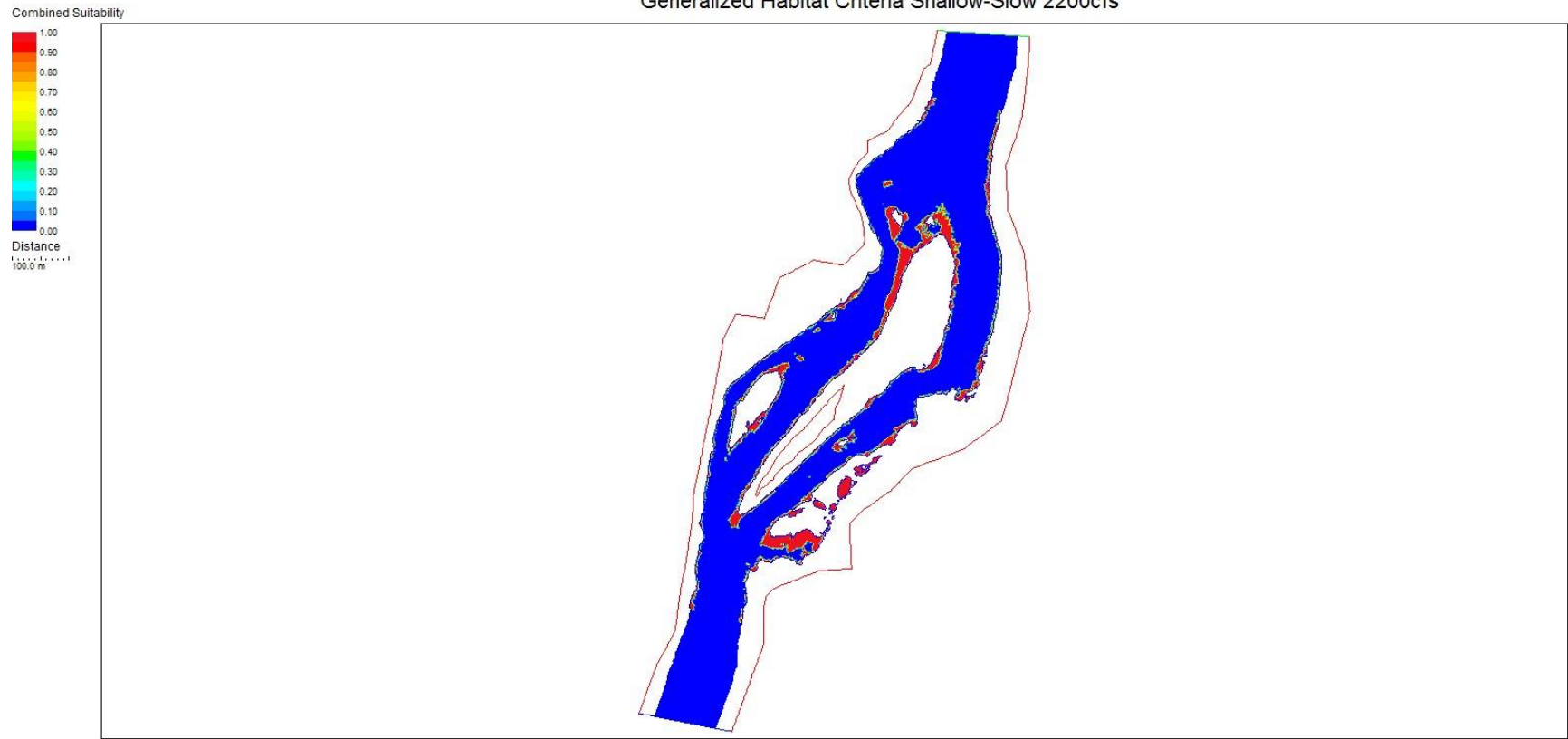
Generalized Habitat Criteria Shallow-Slow 700cfs



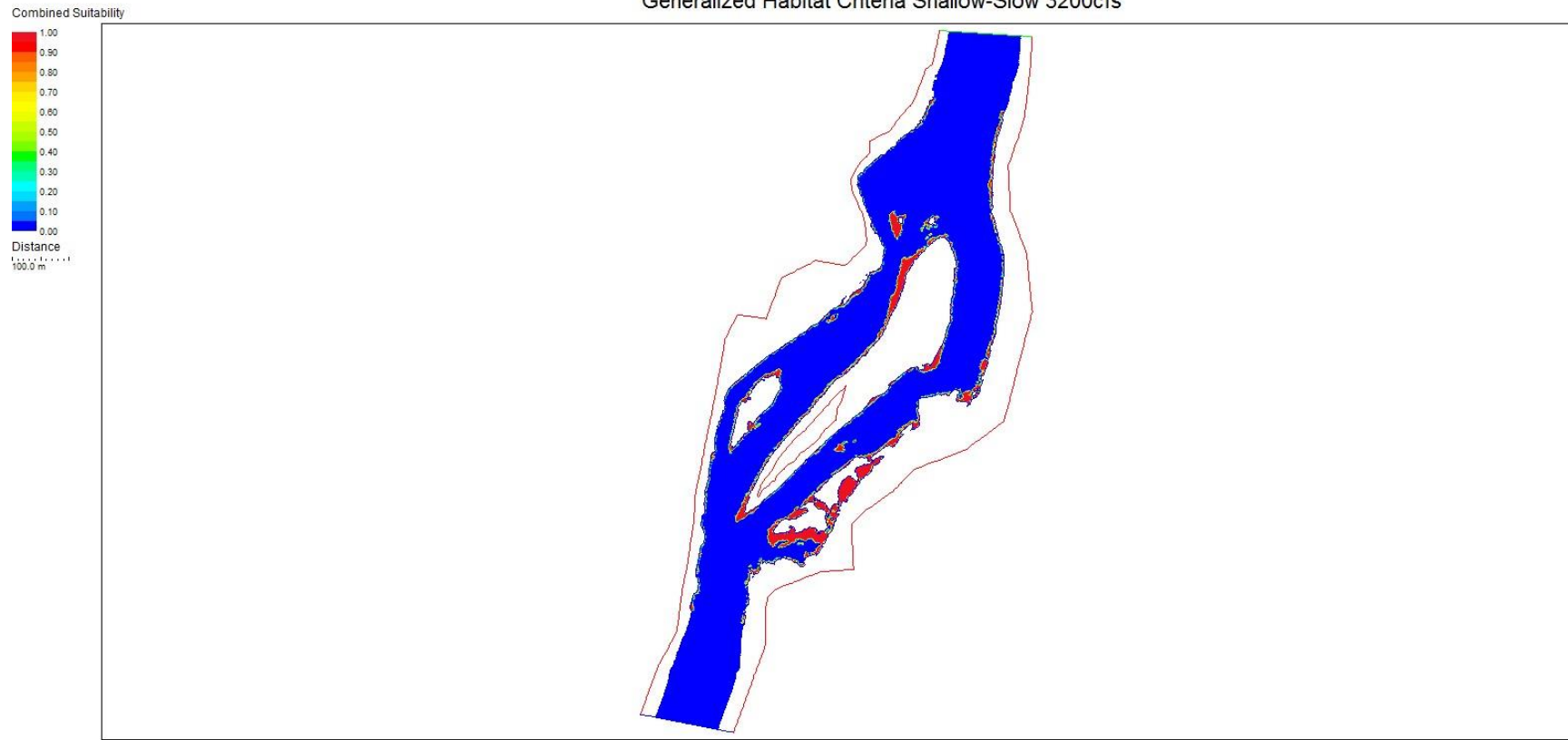
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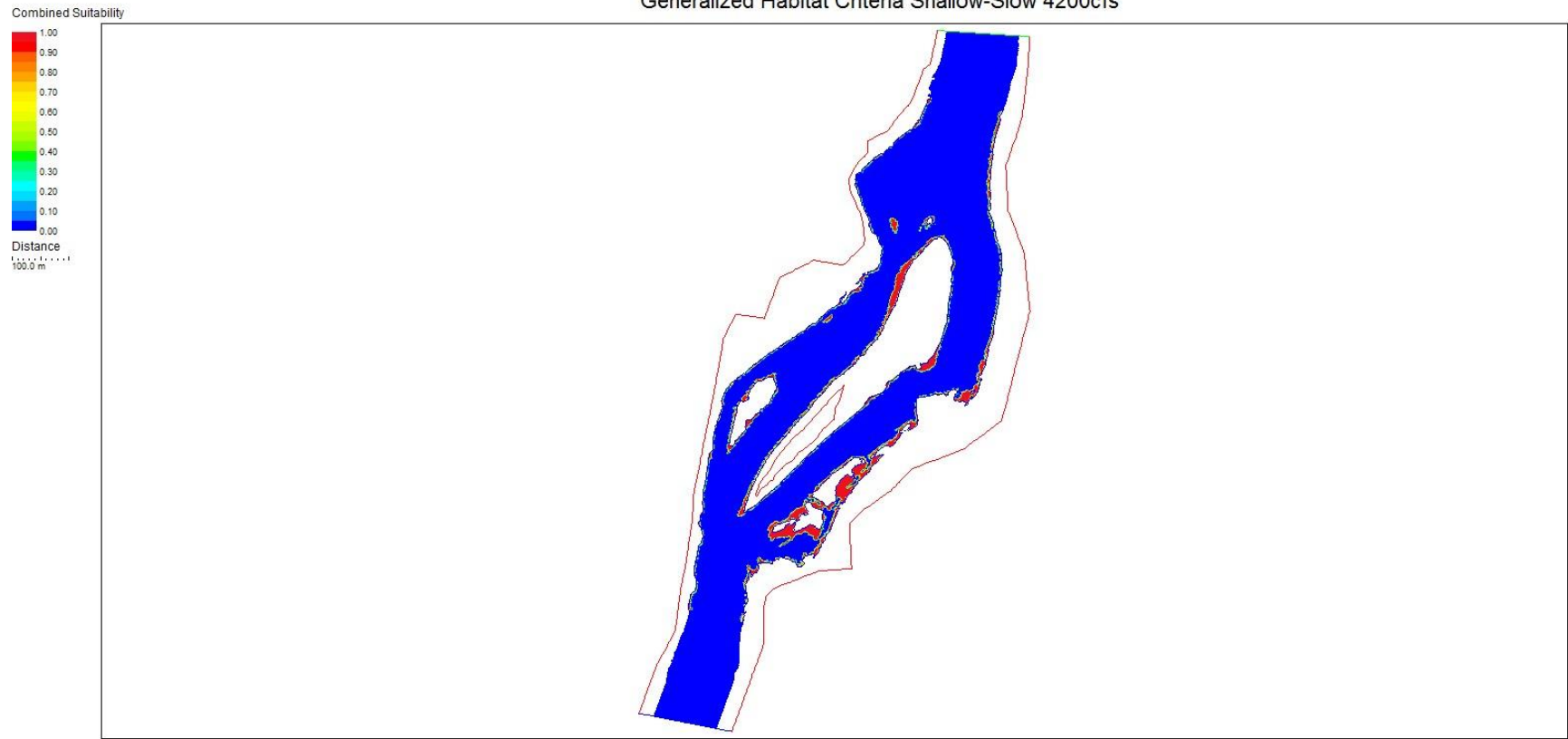
Generalized Habitat Criteria Shallow-Slow 2200cfs



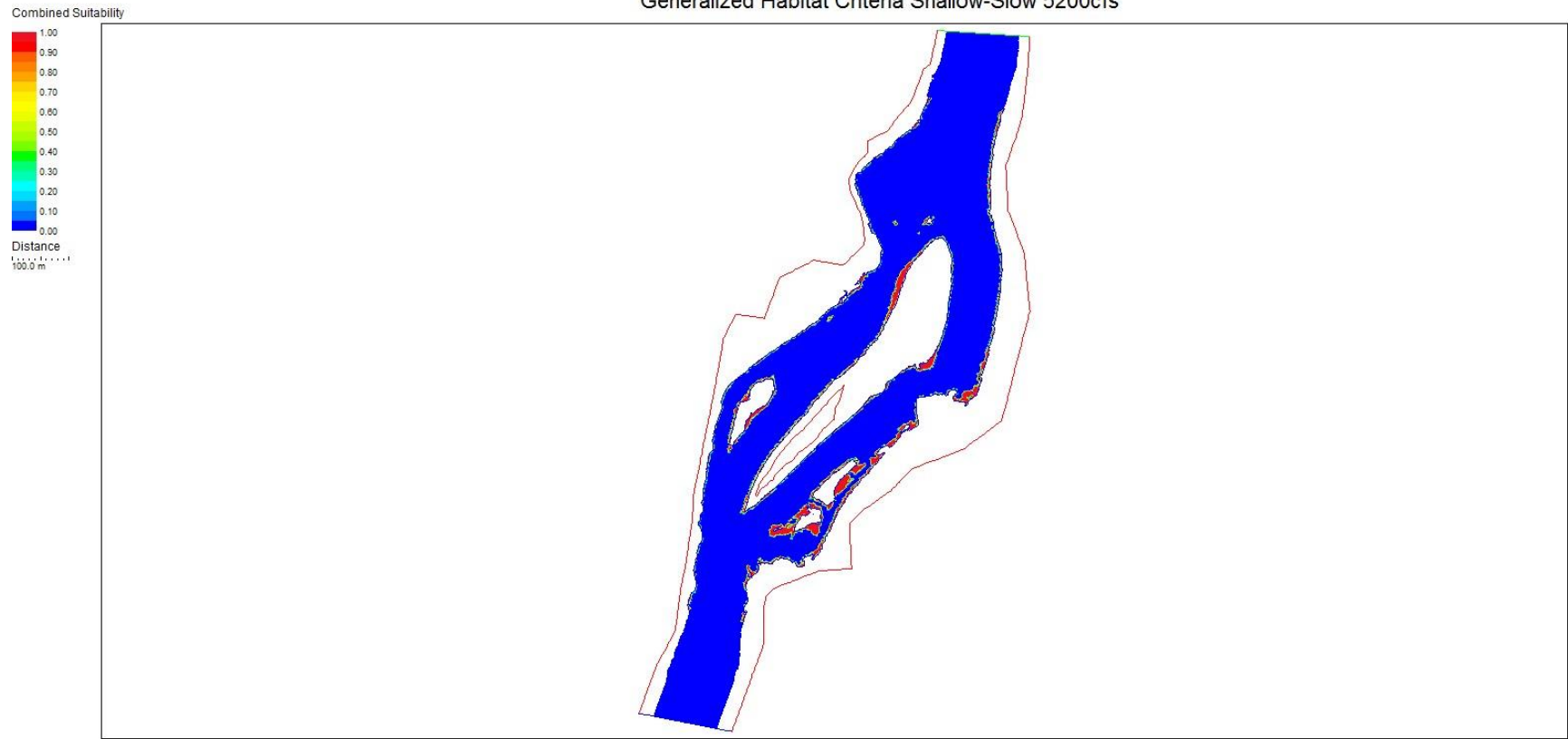
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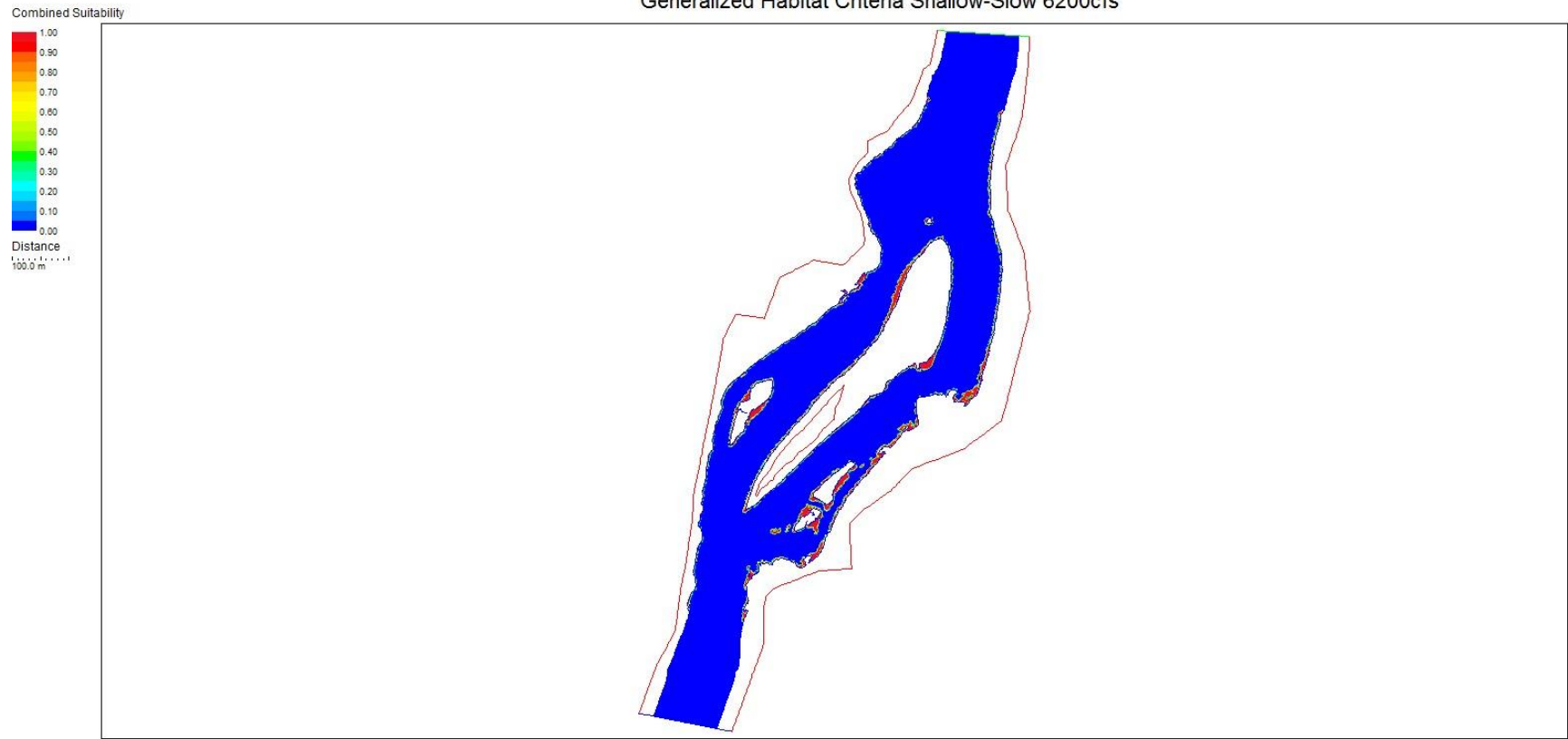
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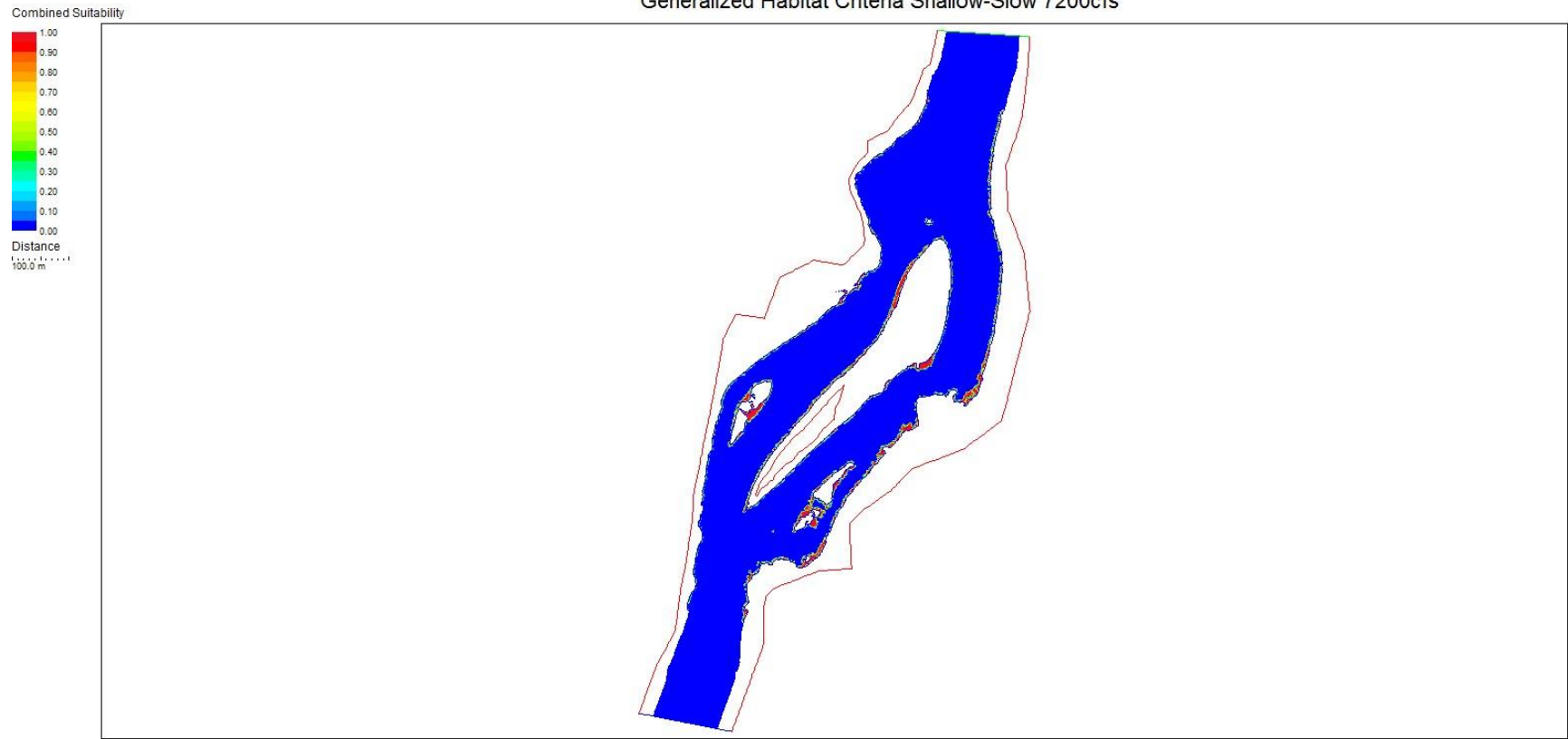
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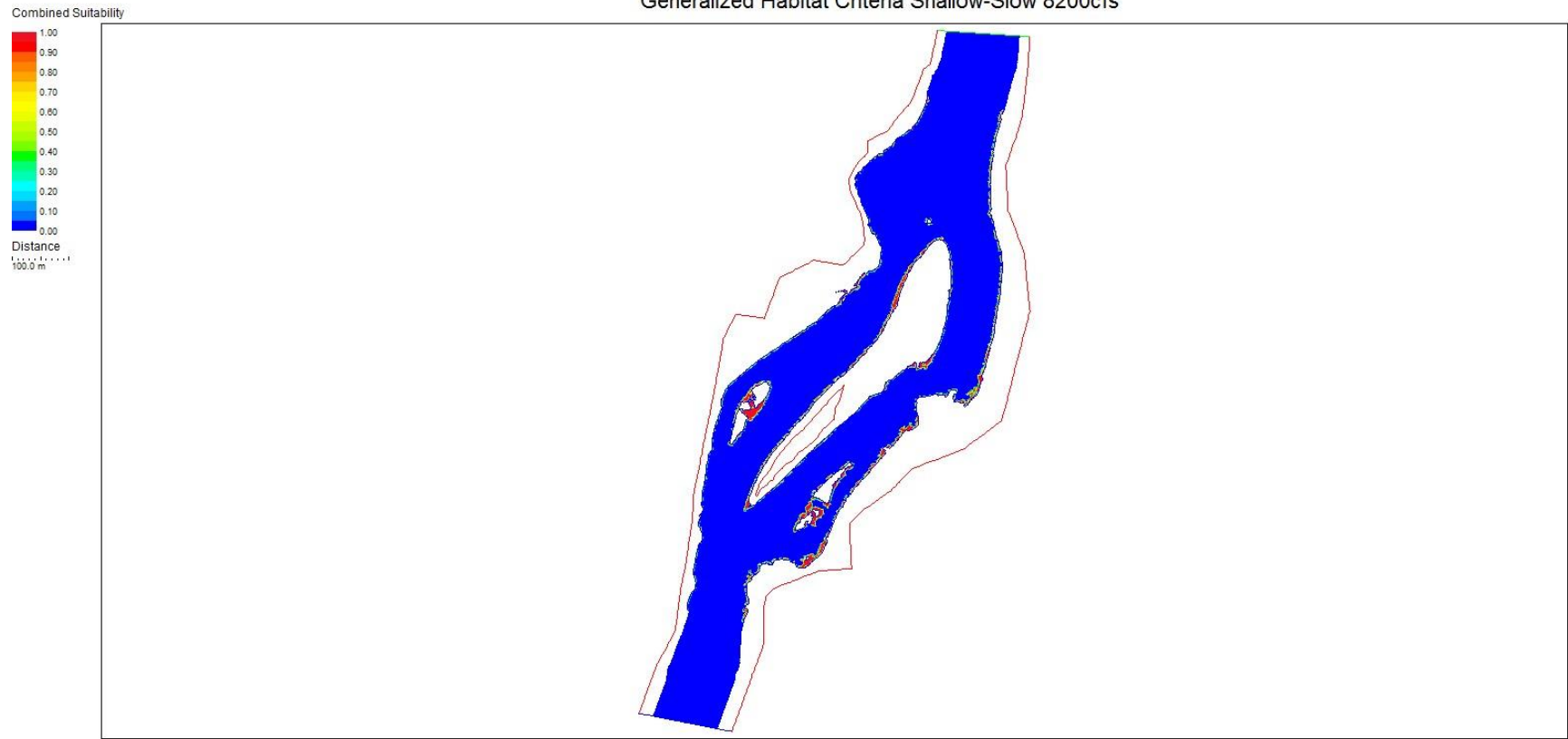
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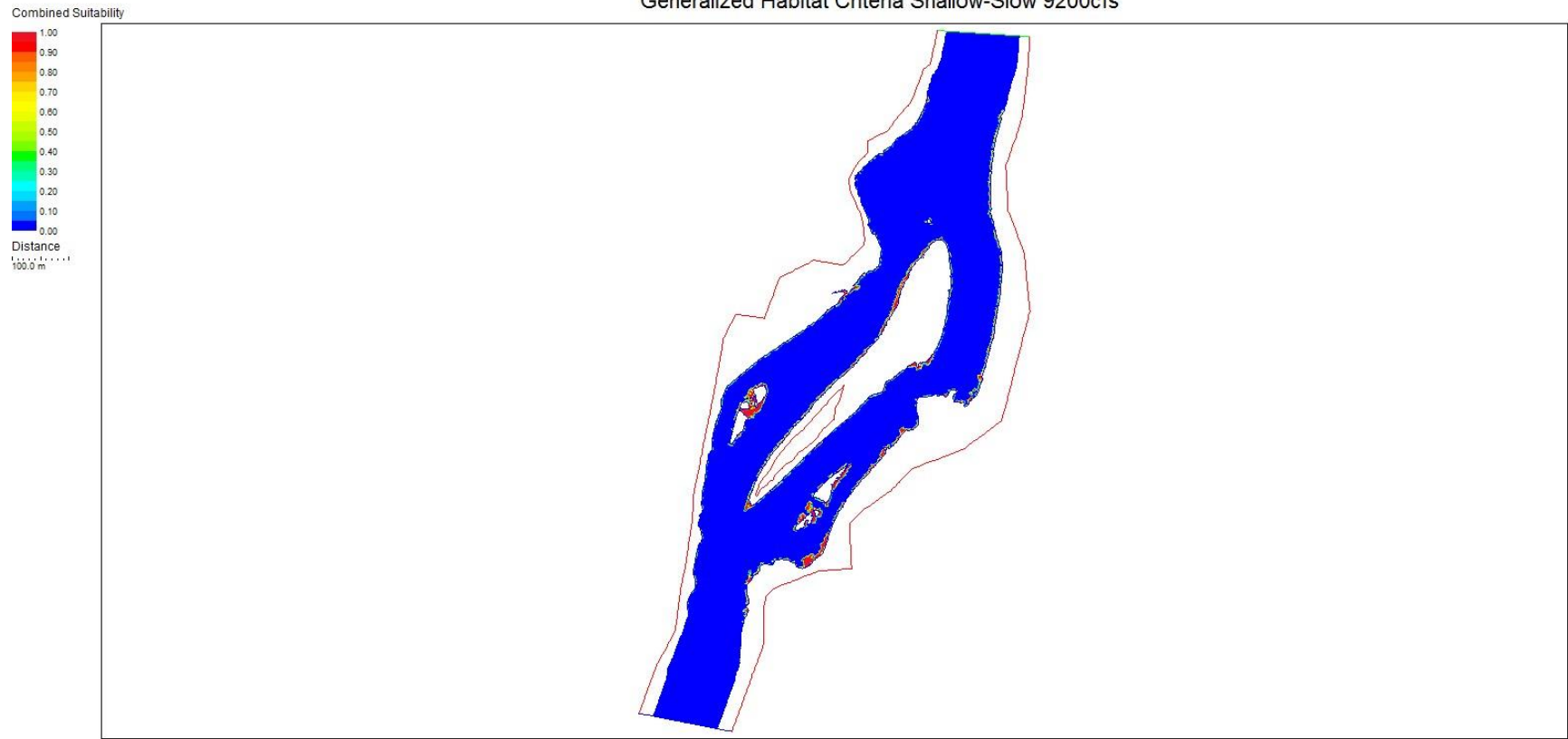
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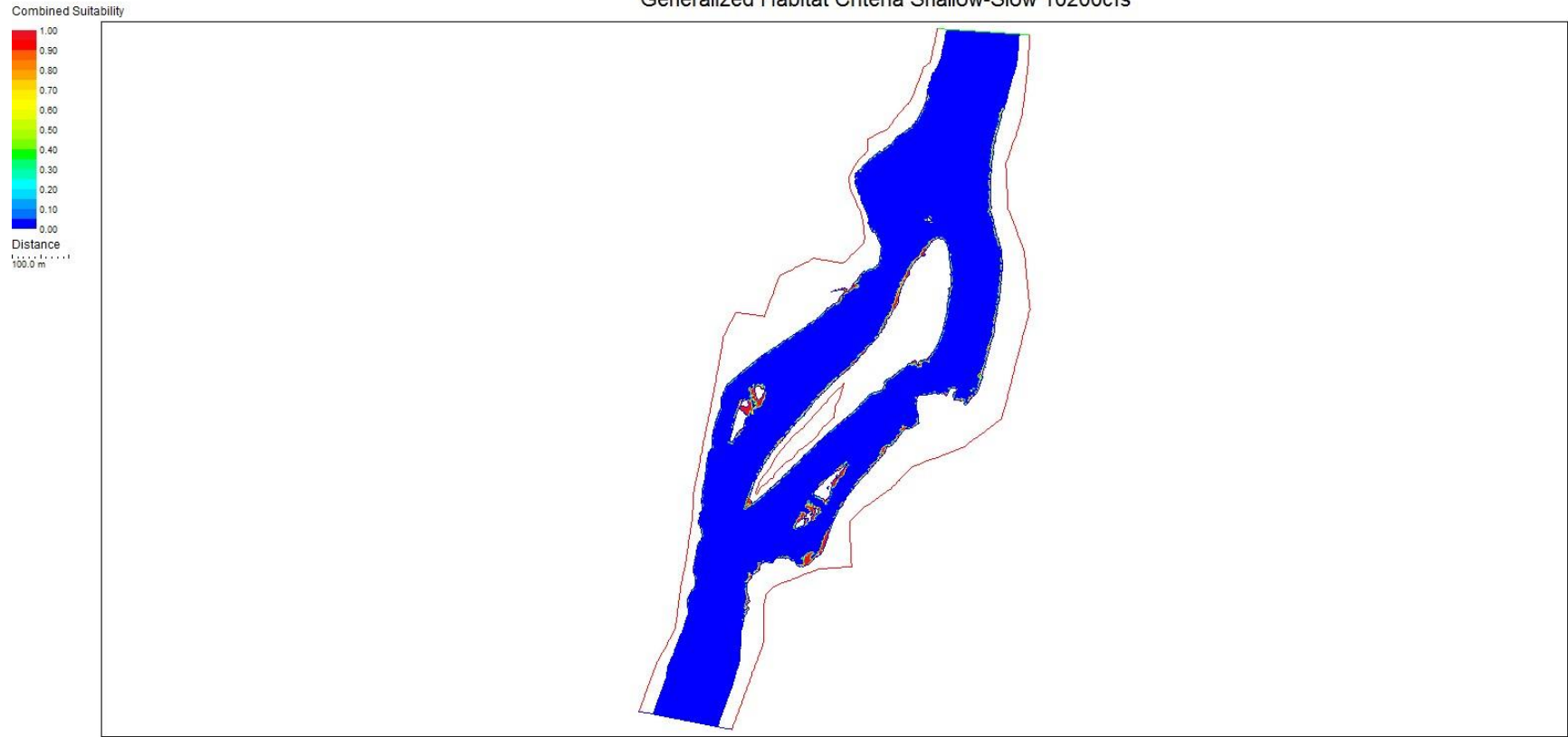
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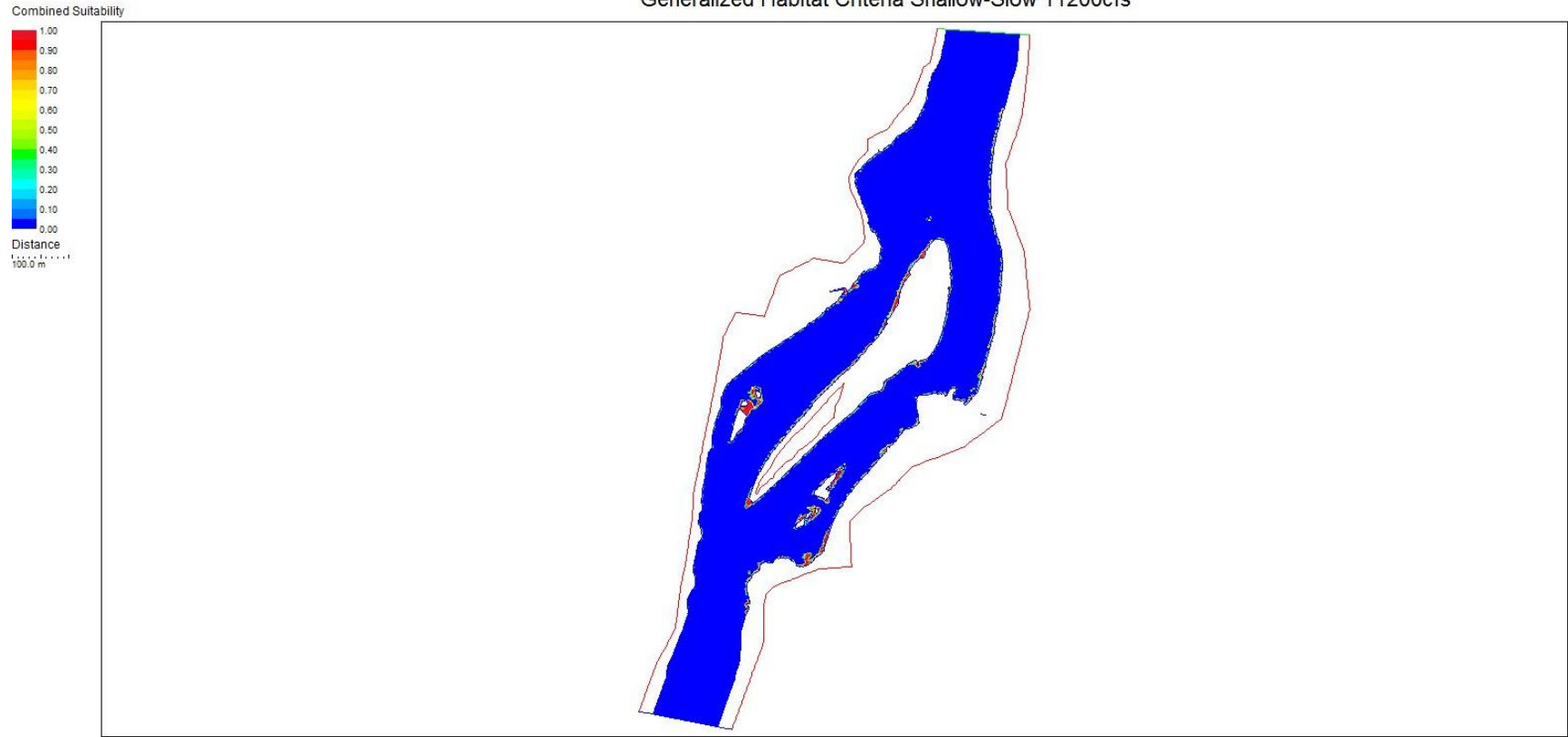
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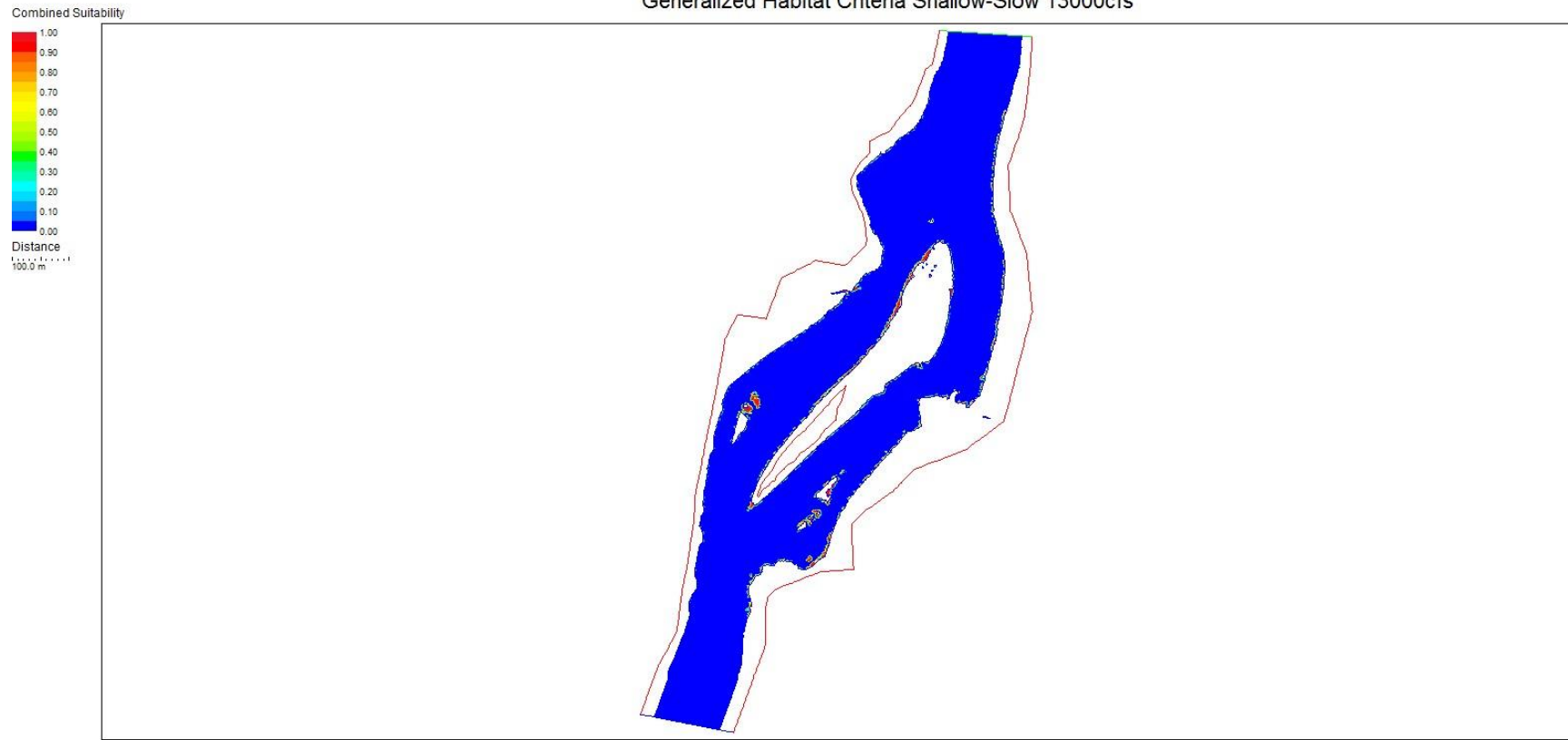
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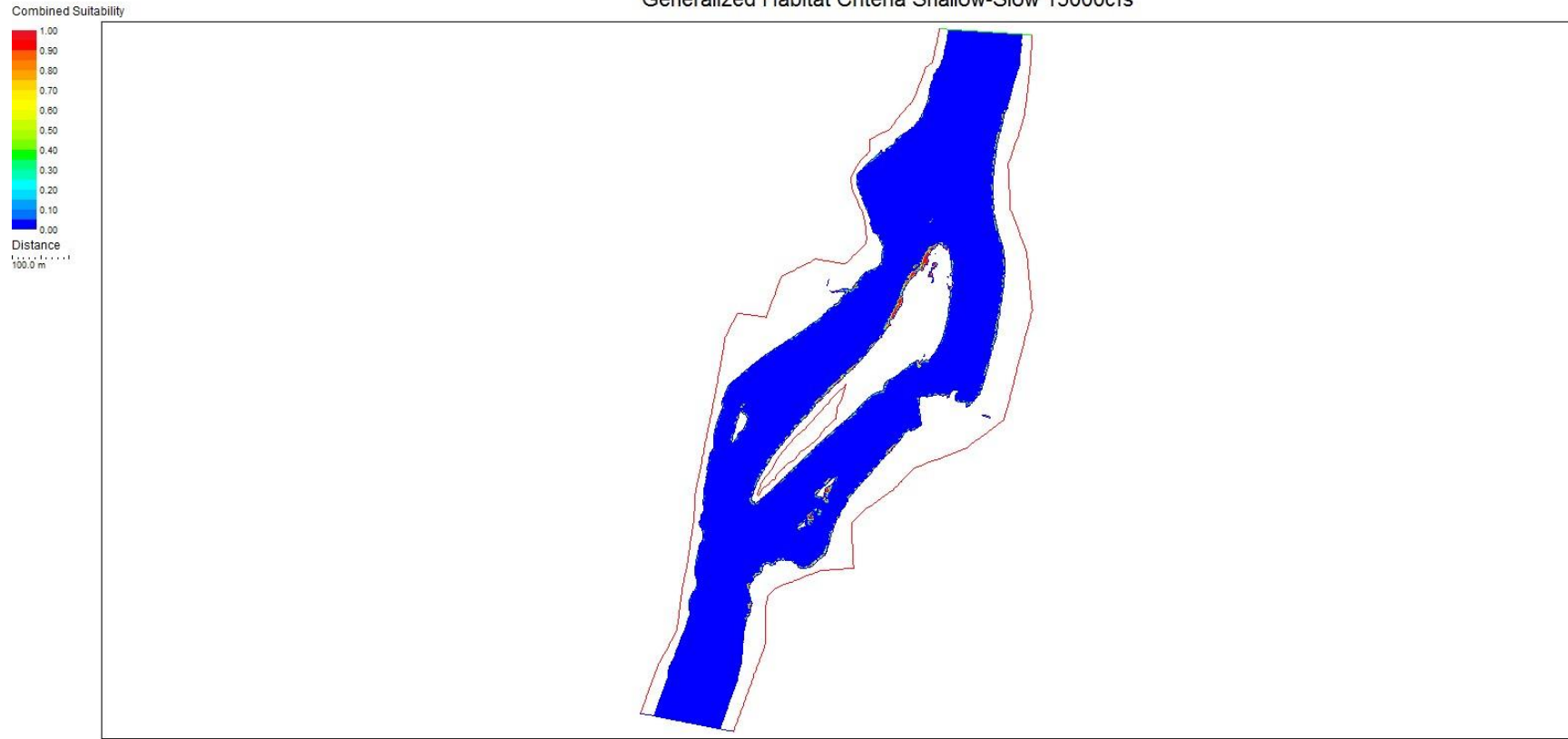
Generalized Habitat Criteria Shallow-Slow 11200cfs



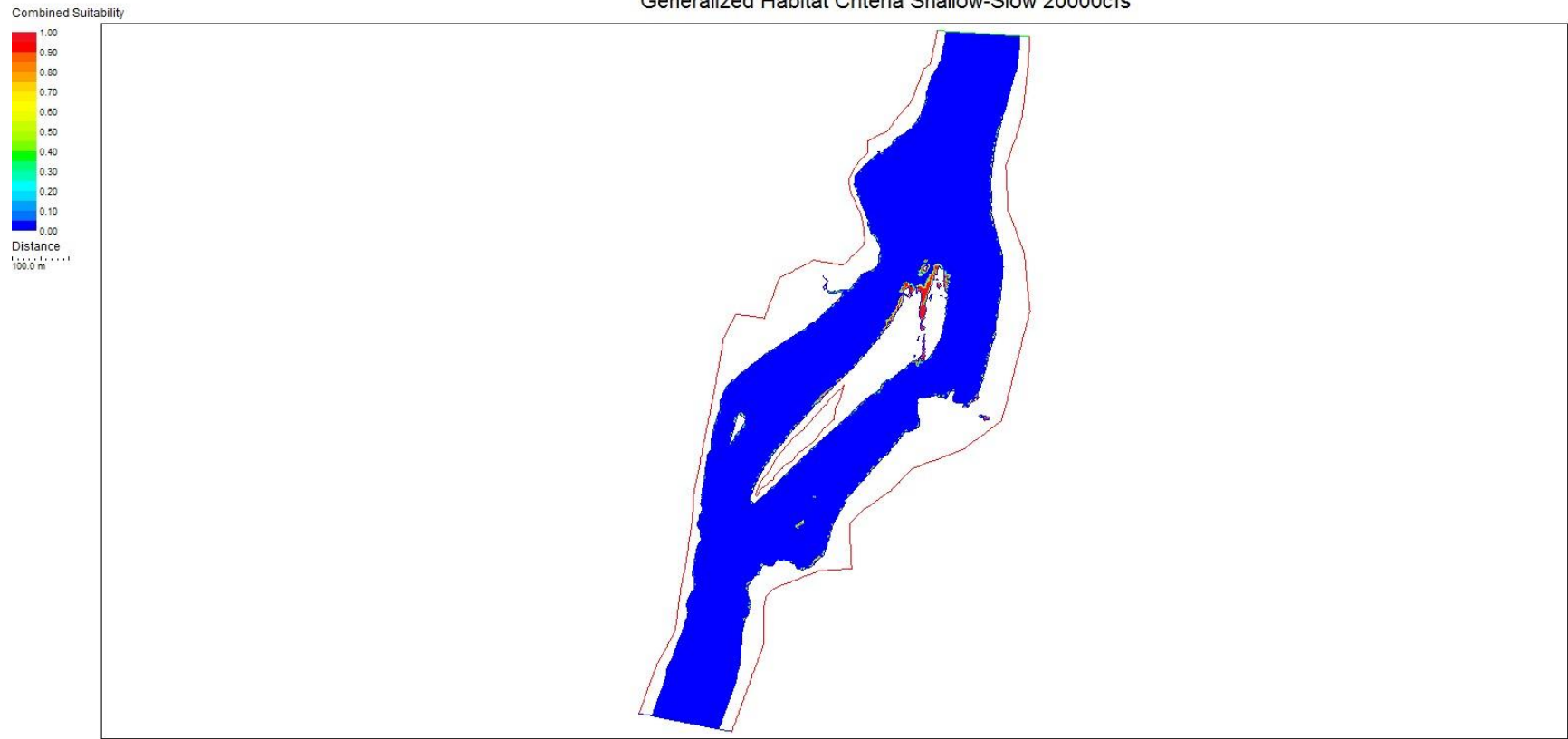
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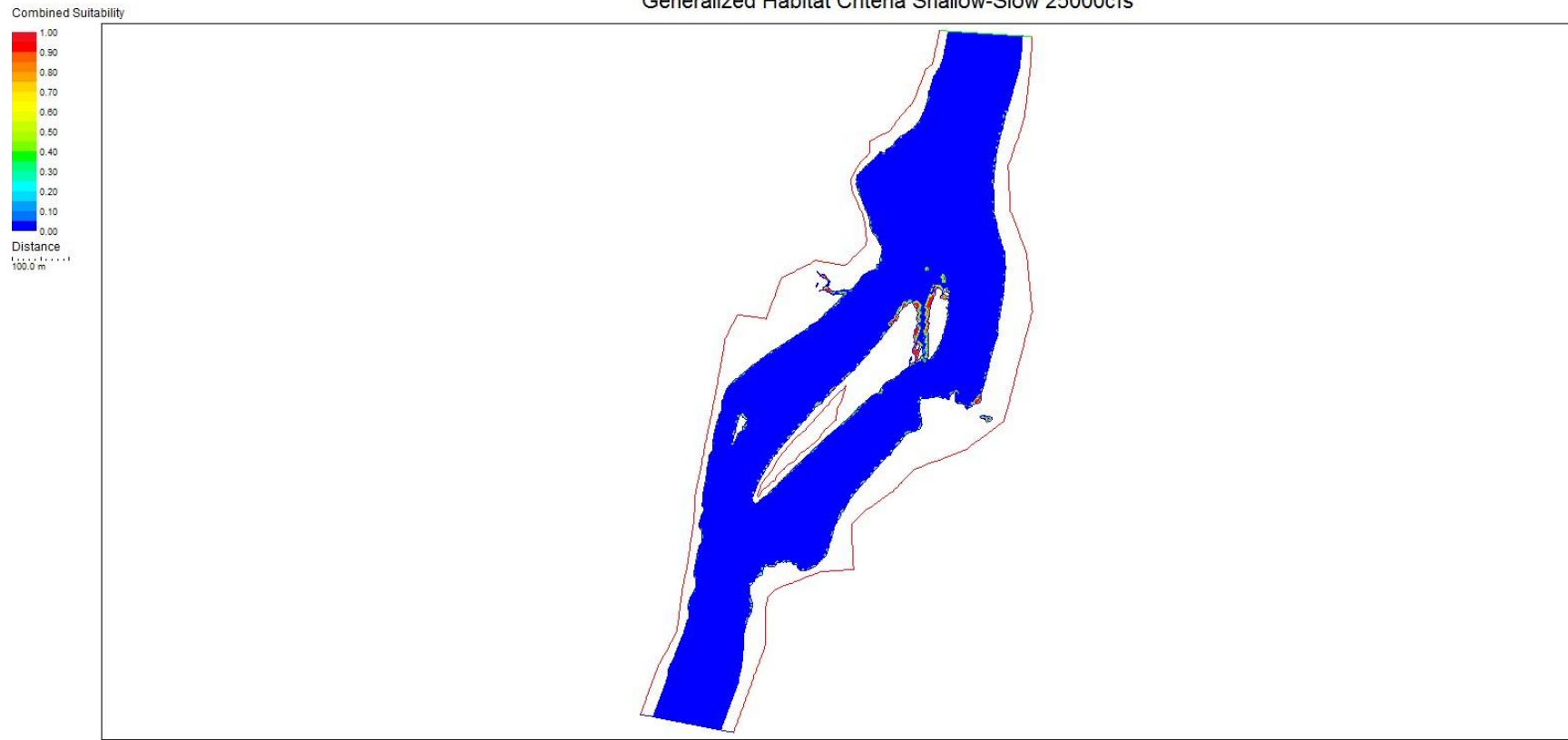
Generalized Habitat Criteria Shallow-Slow 15000cfs

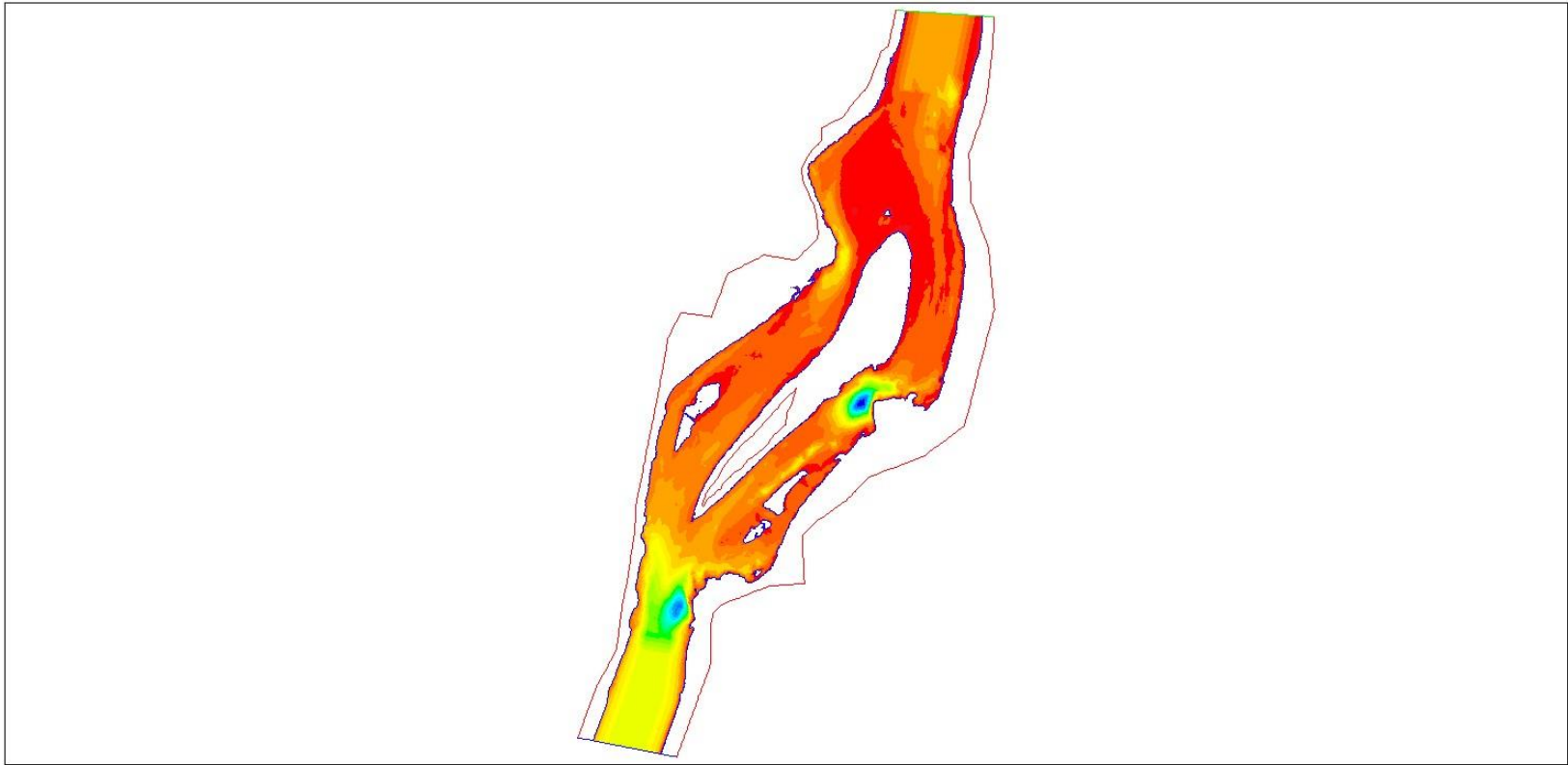
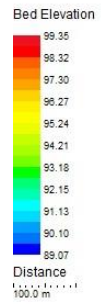


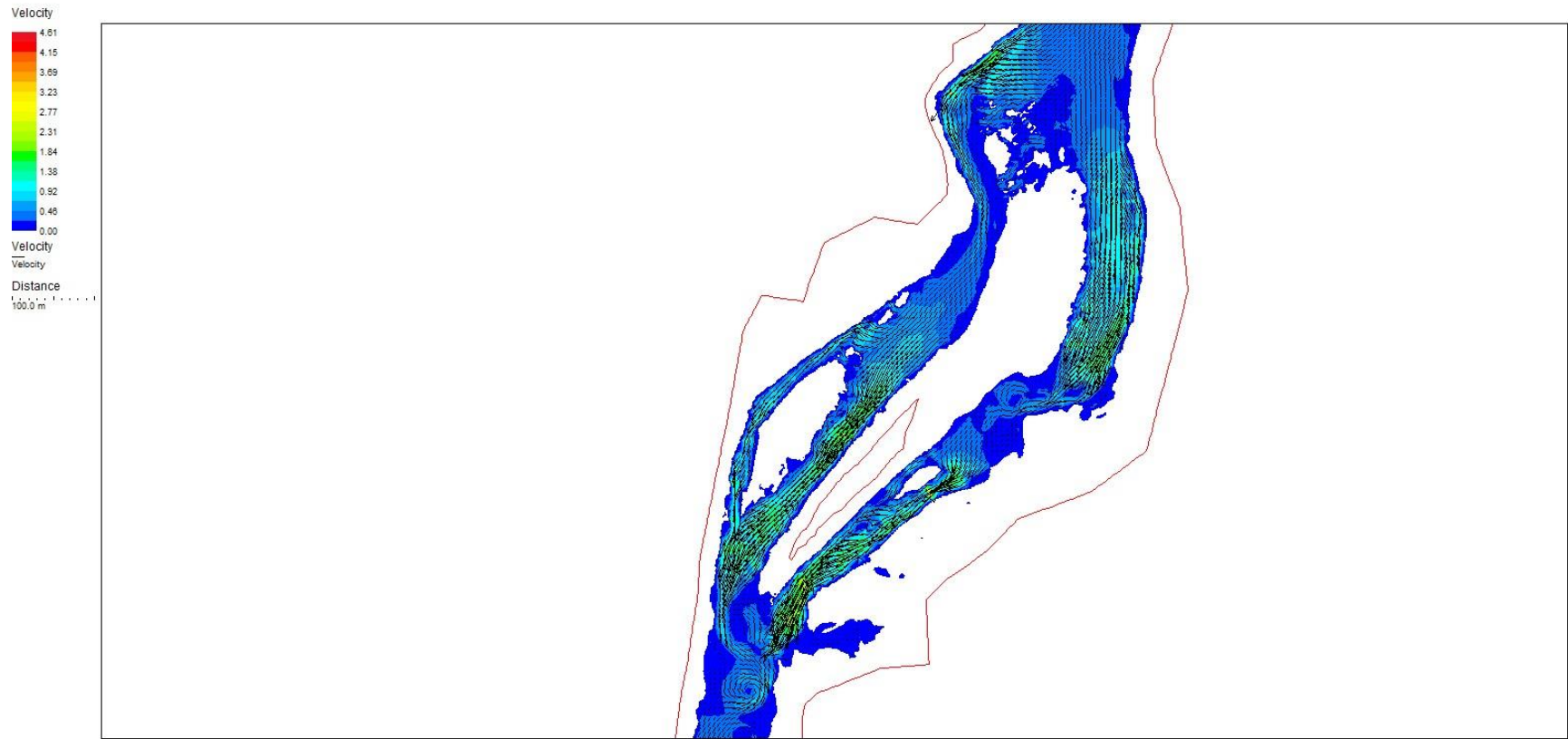
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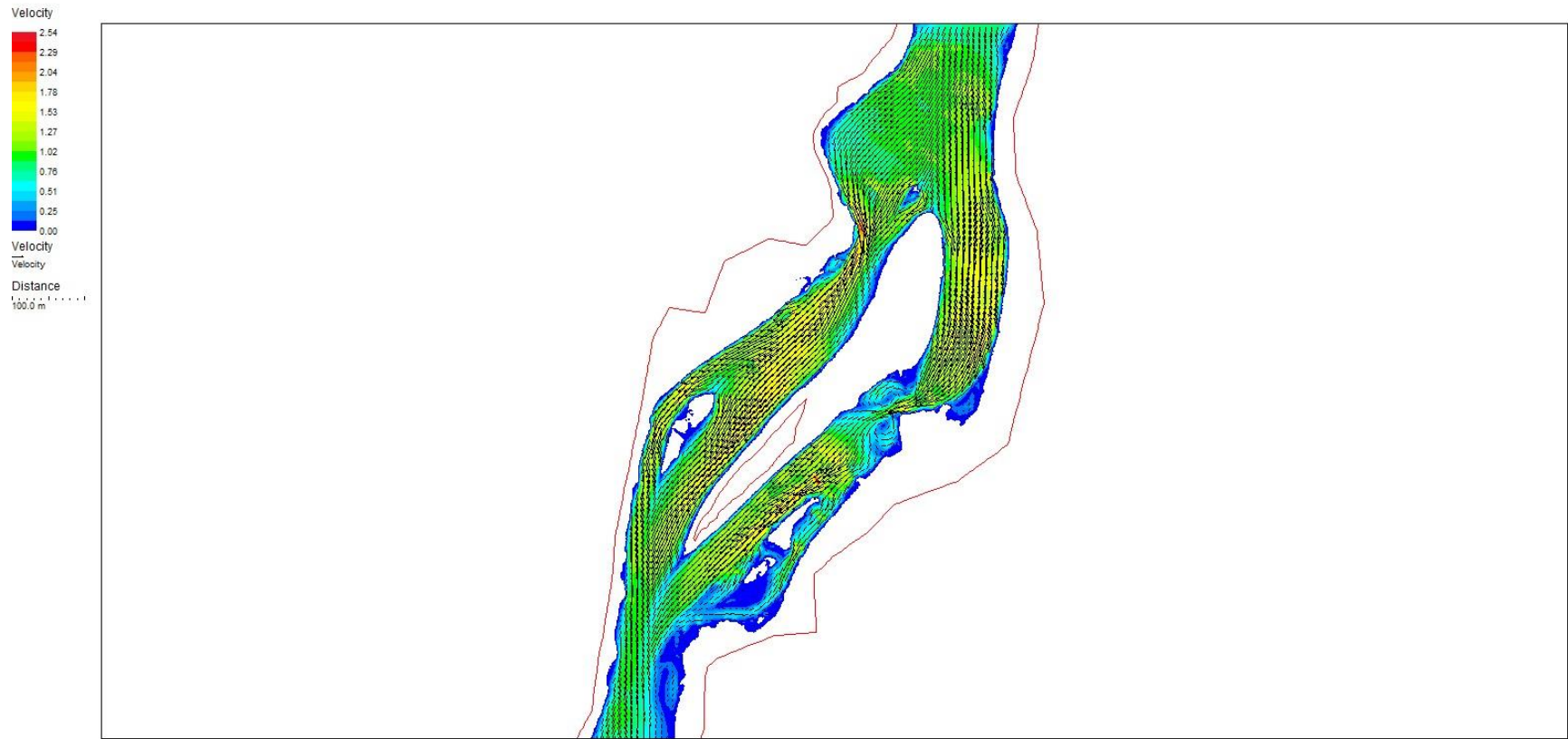


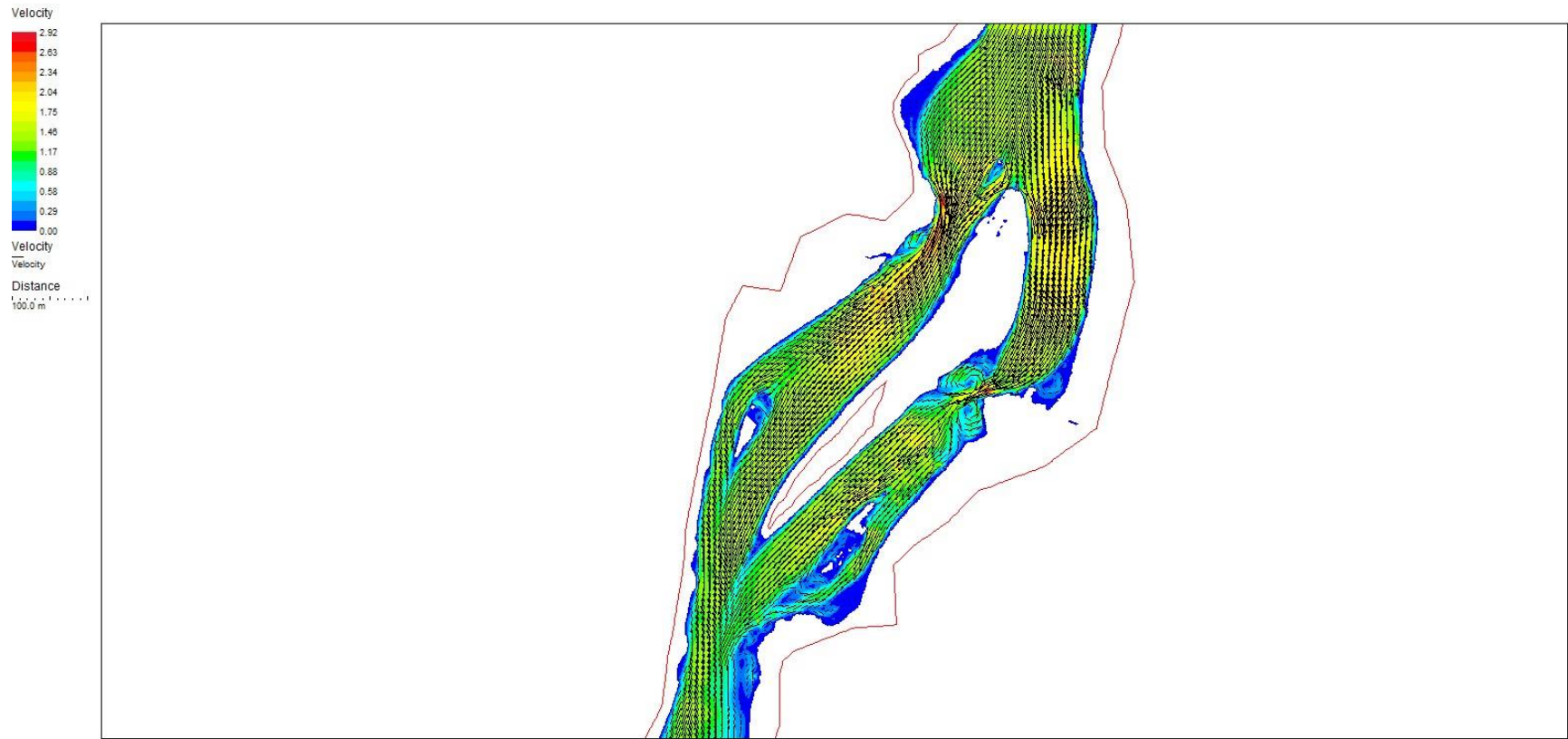
Generalized Habitat Criteria Shallow-Slow 25000cfs







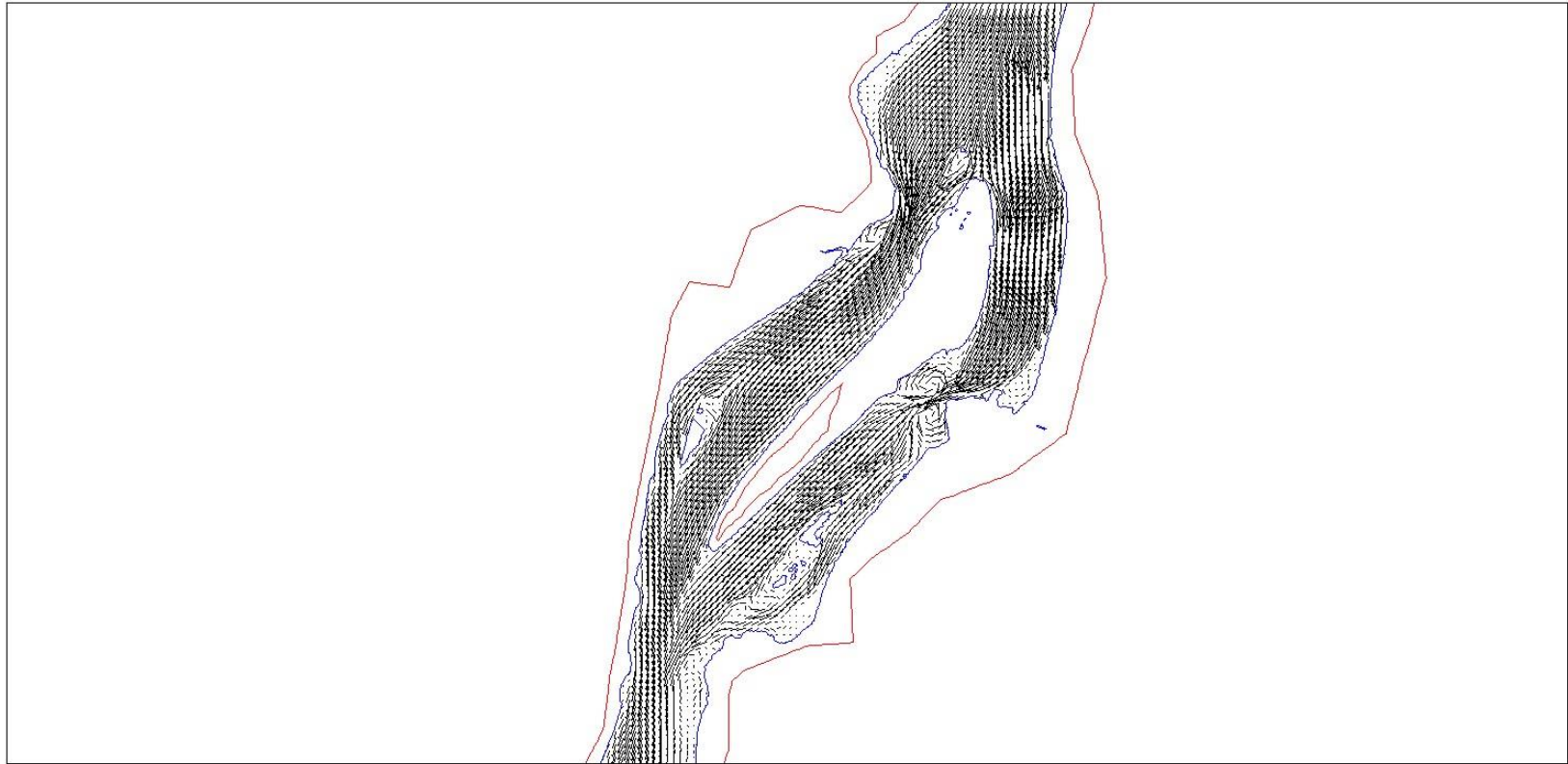




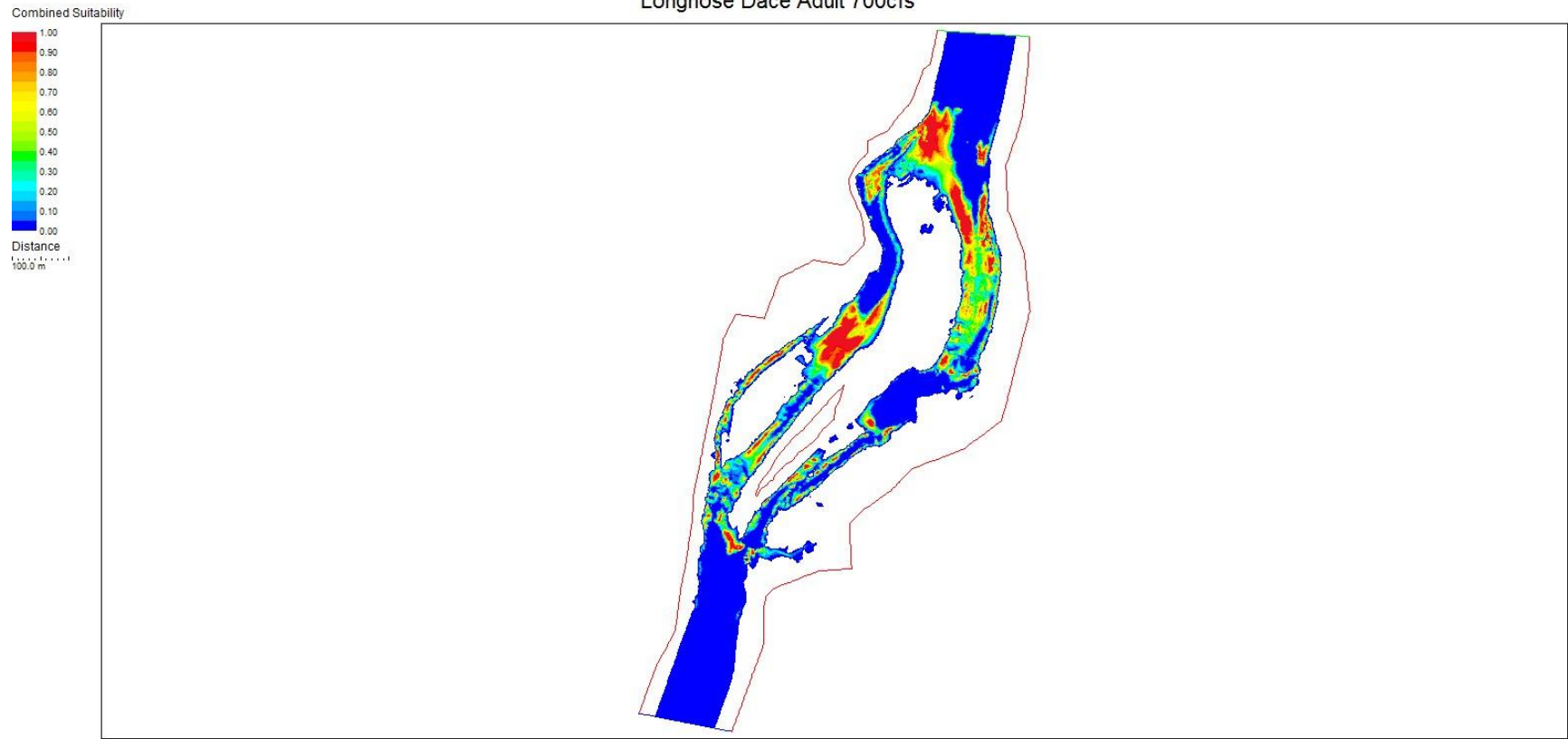
Velocity
Velocity
Distance
100.0 m



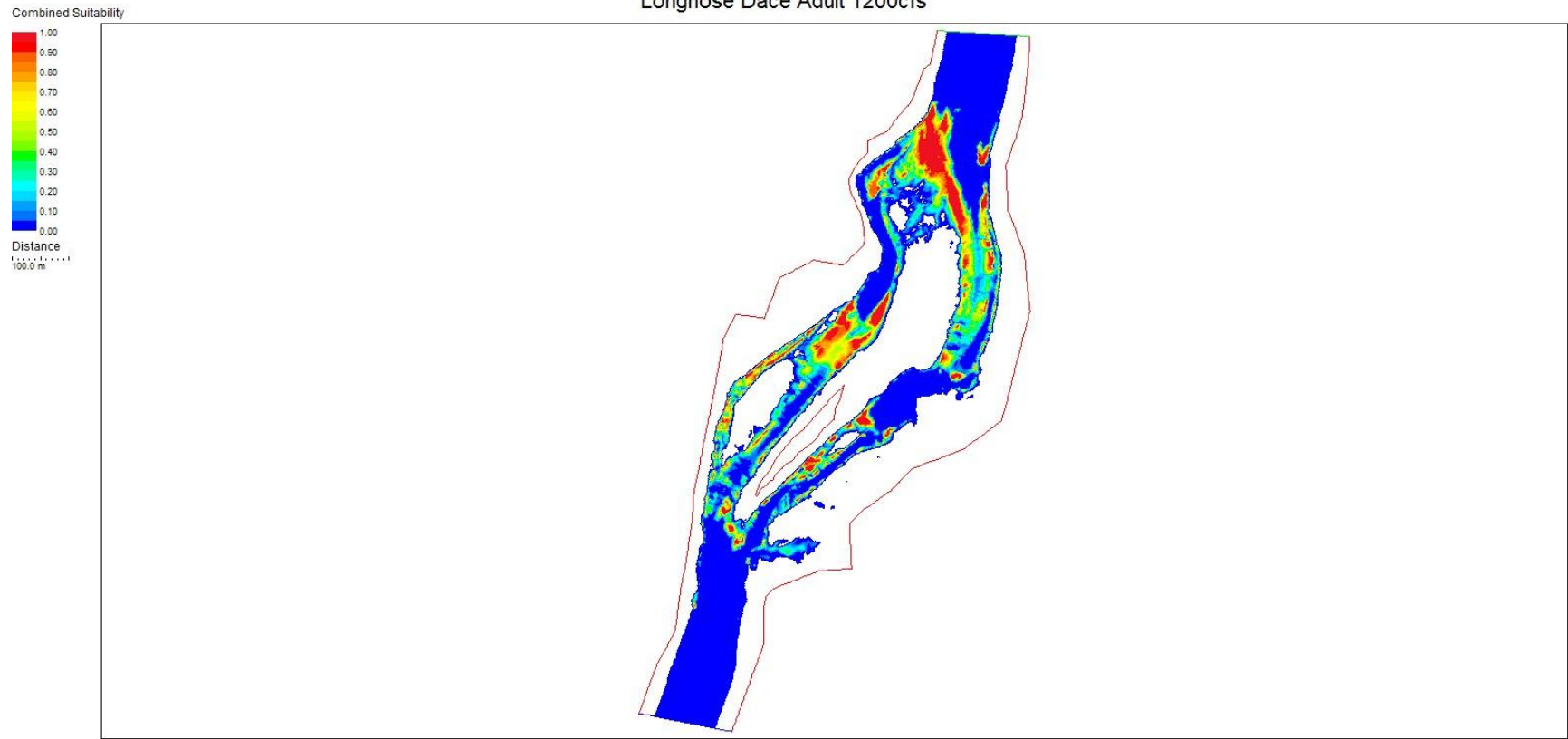
Velocity
Velocity
Distance
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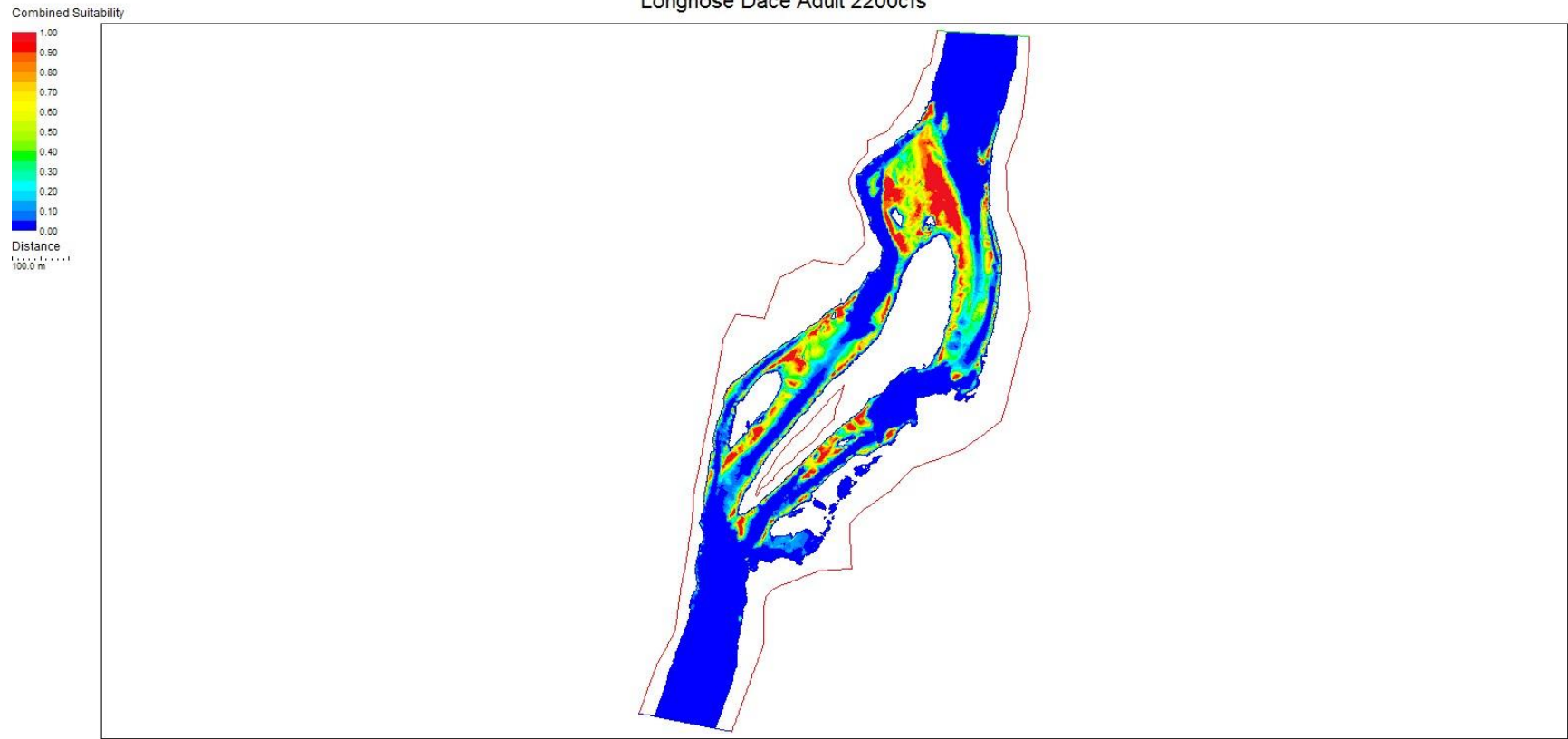
Longnose Dace Adult 700cfs



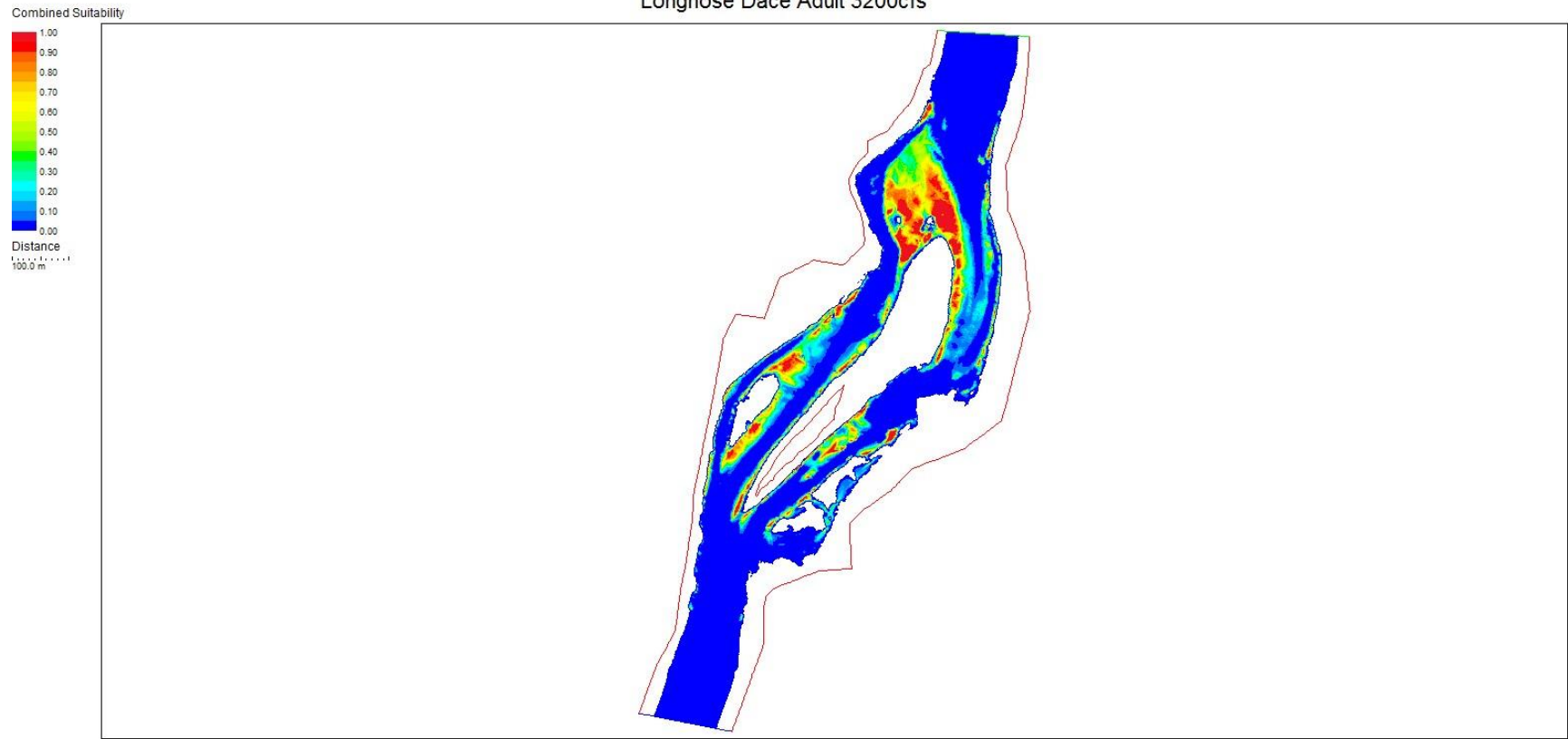
Longnose Dace Adult 1200cfs

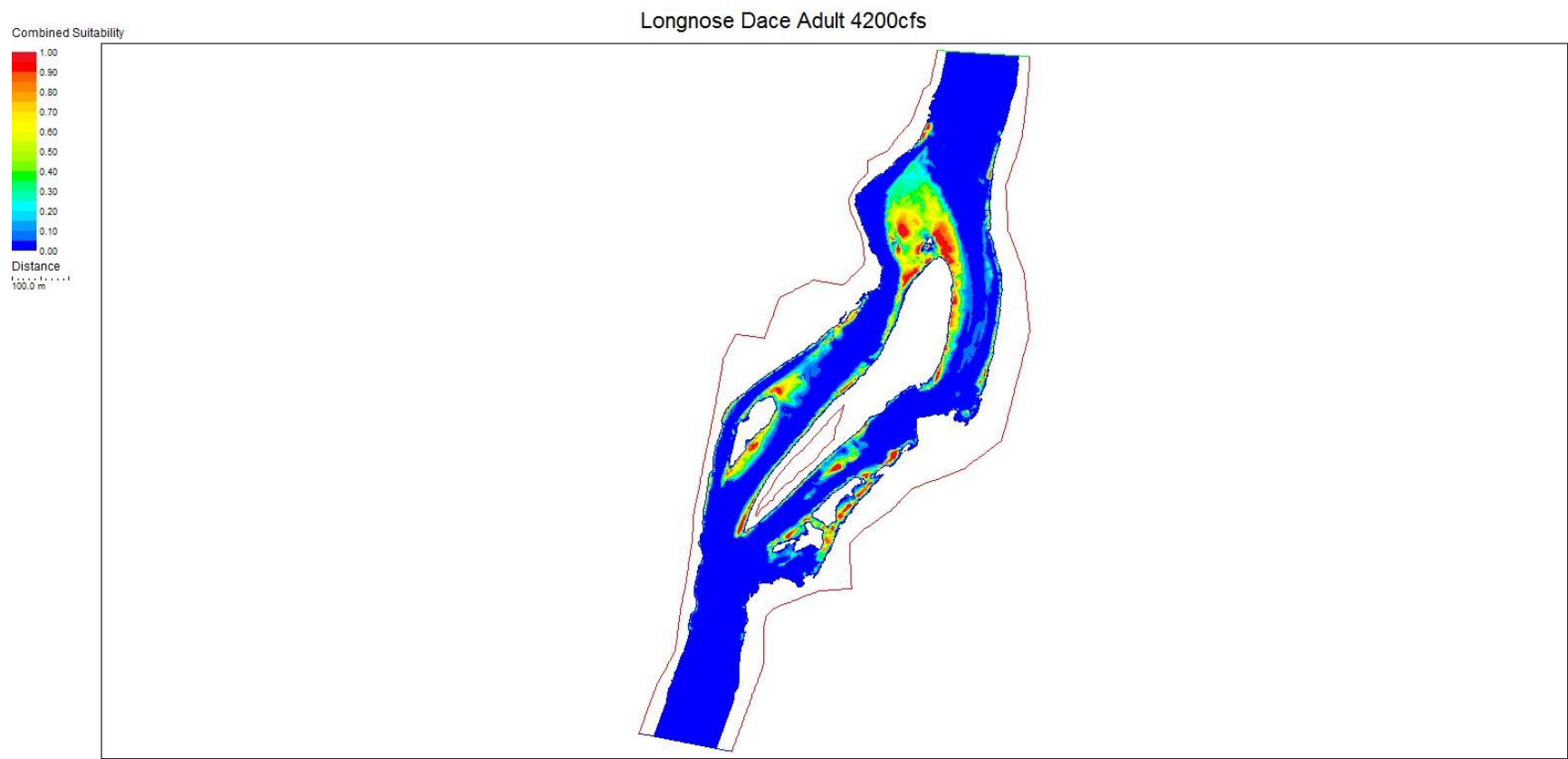


Longnose Dace Adult 2200cfs

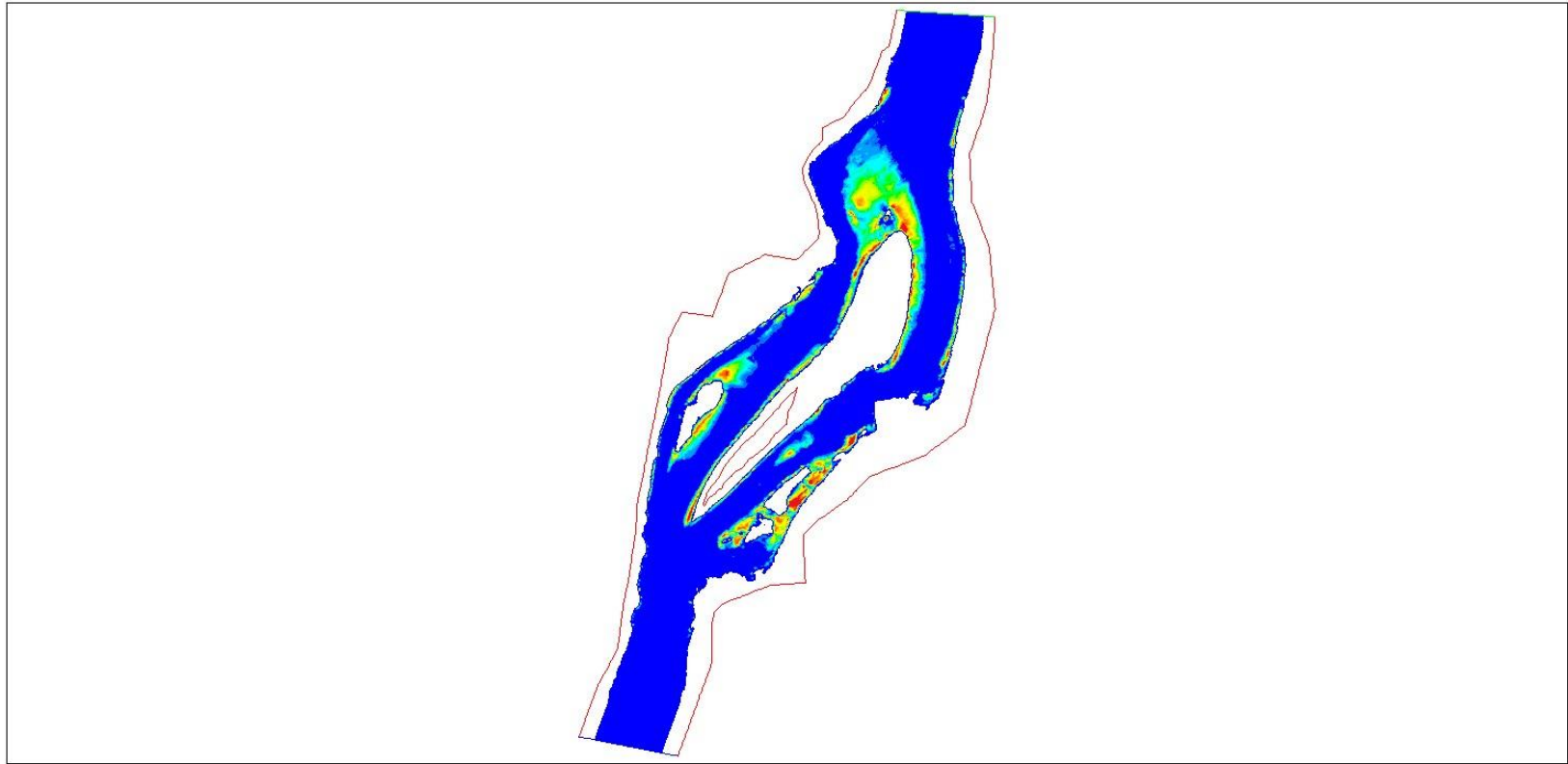
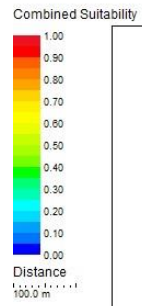


Longnose Dace Adult 3200cfs

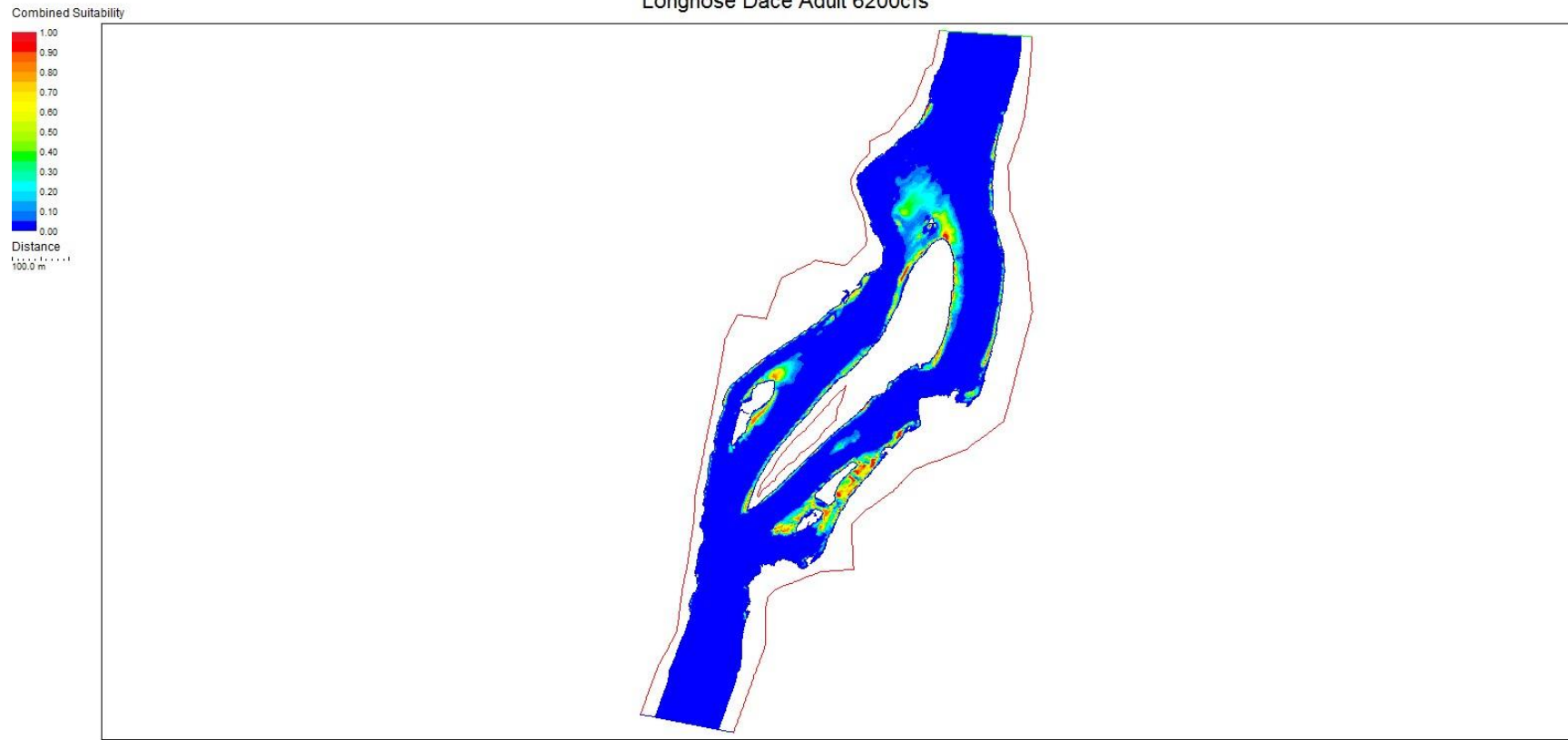




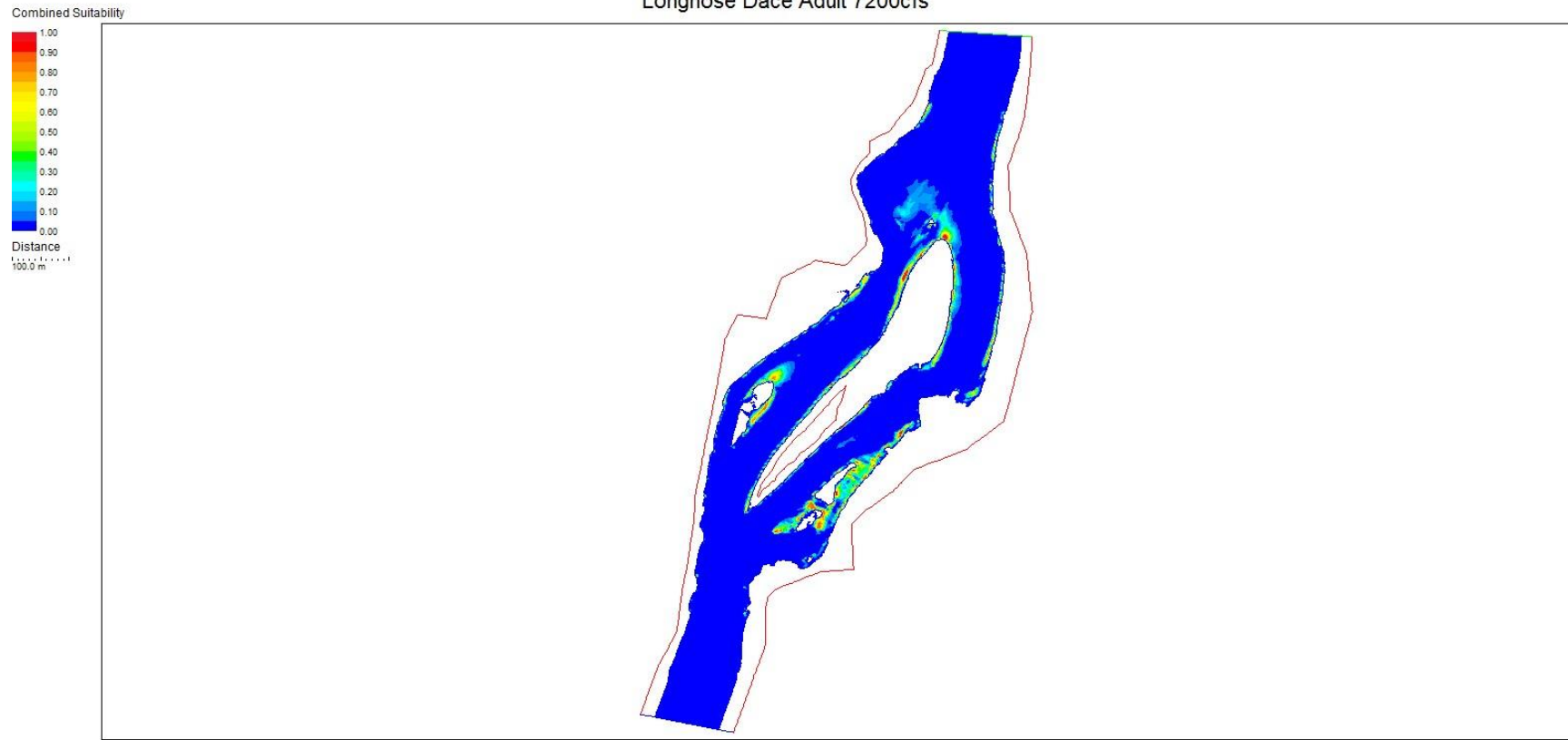
Longnose Dace Adult 5200cfs



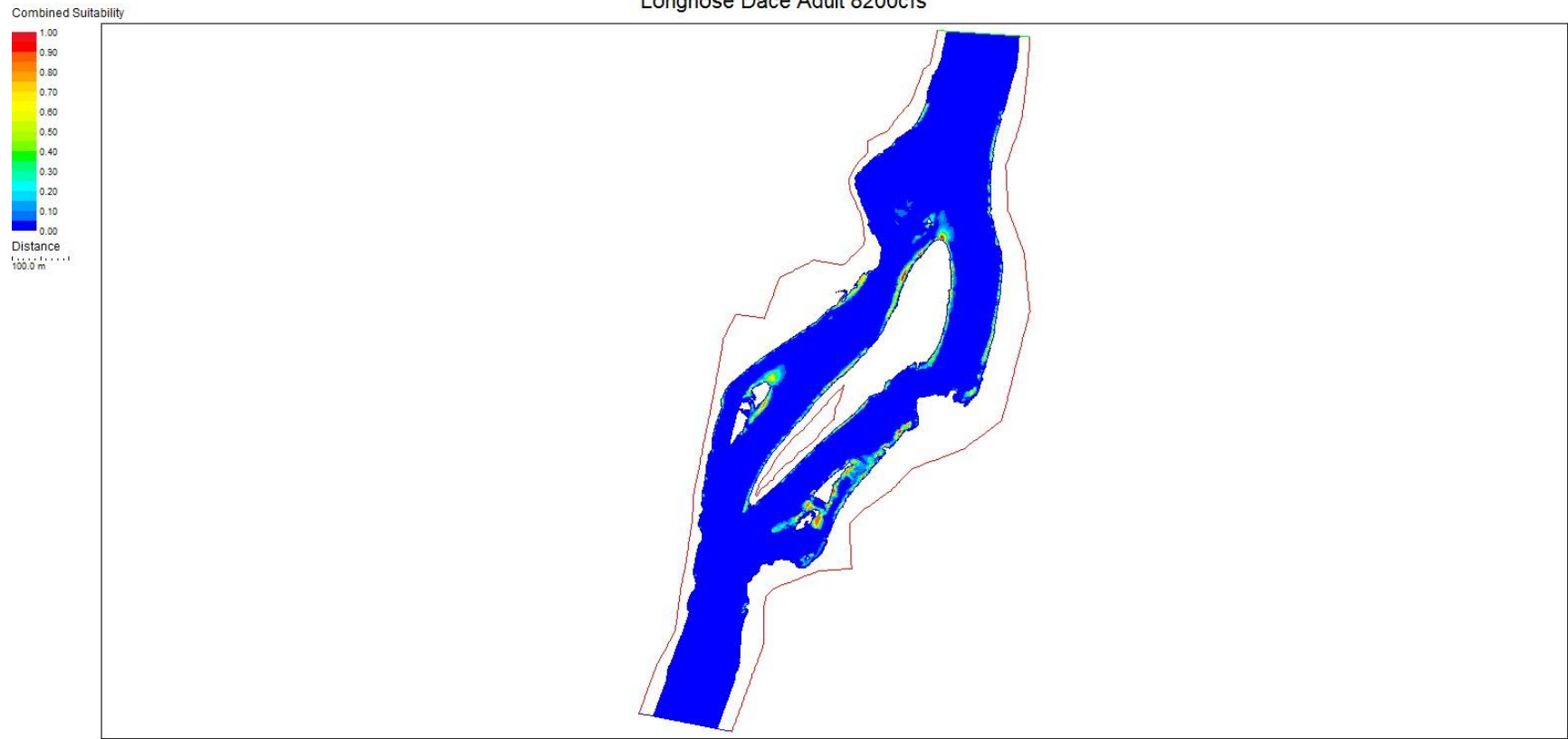
Longnose Dace Adult 6200cfs



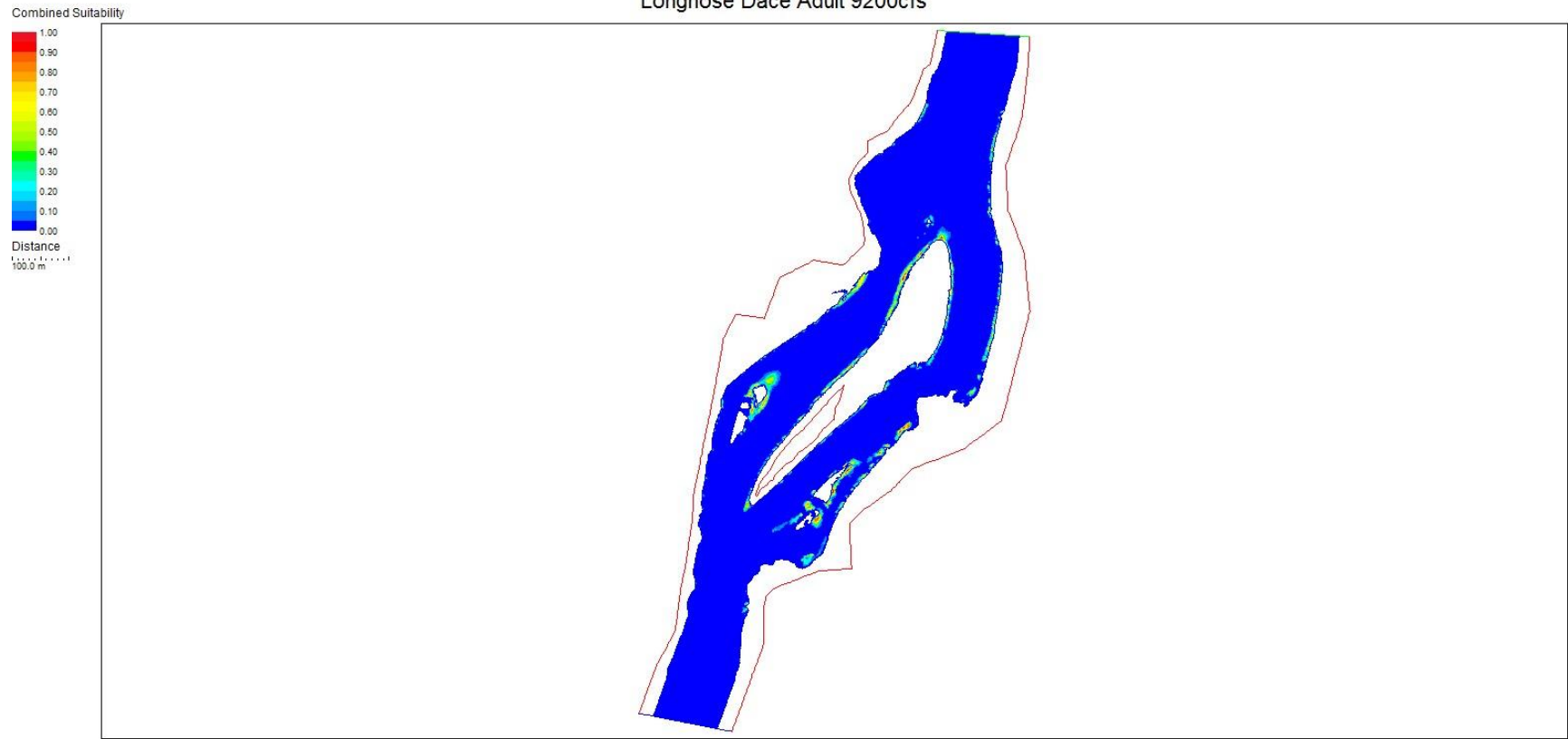
Longnose Dace Adult 7200cfs



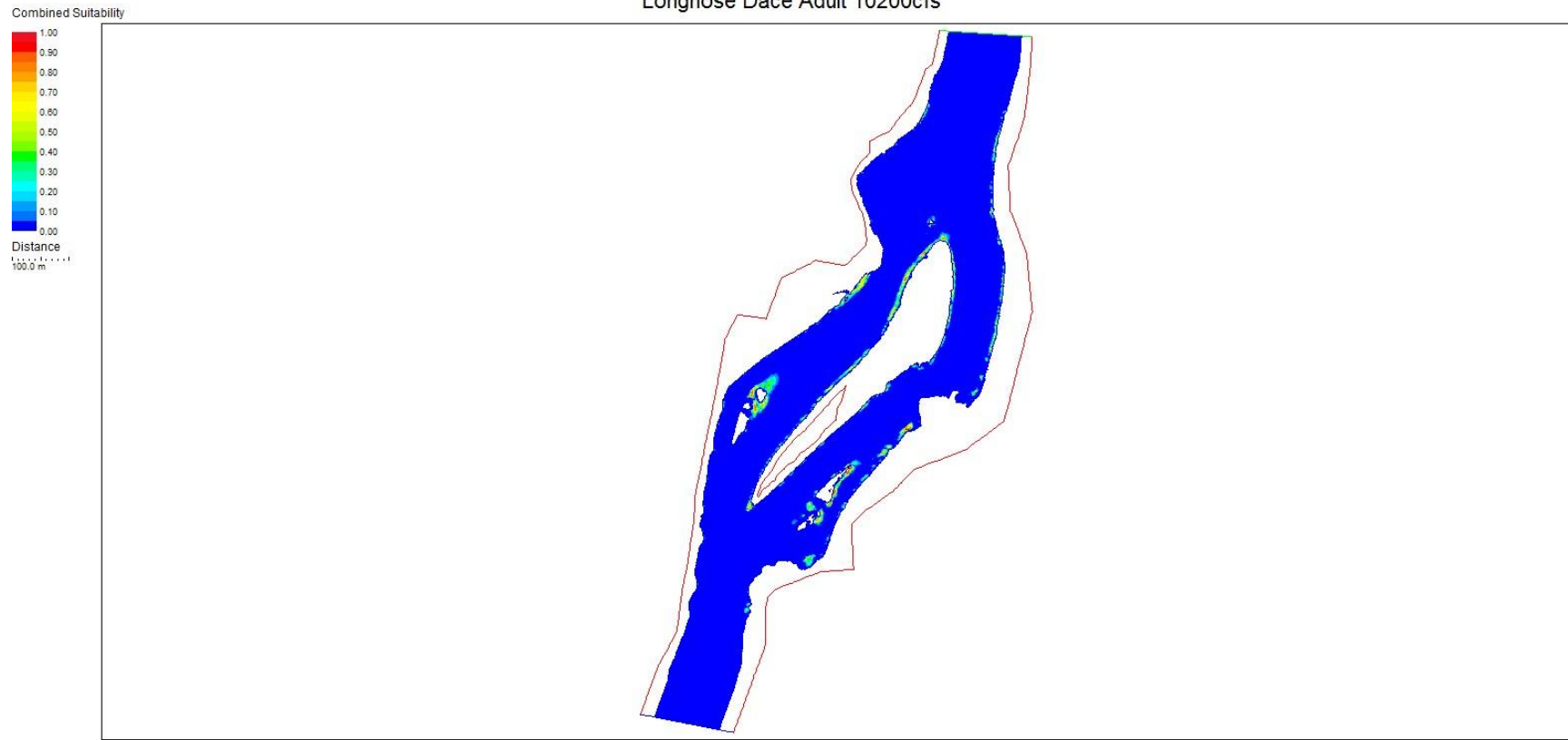
Longnose Dace Adult 8200cfs



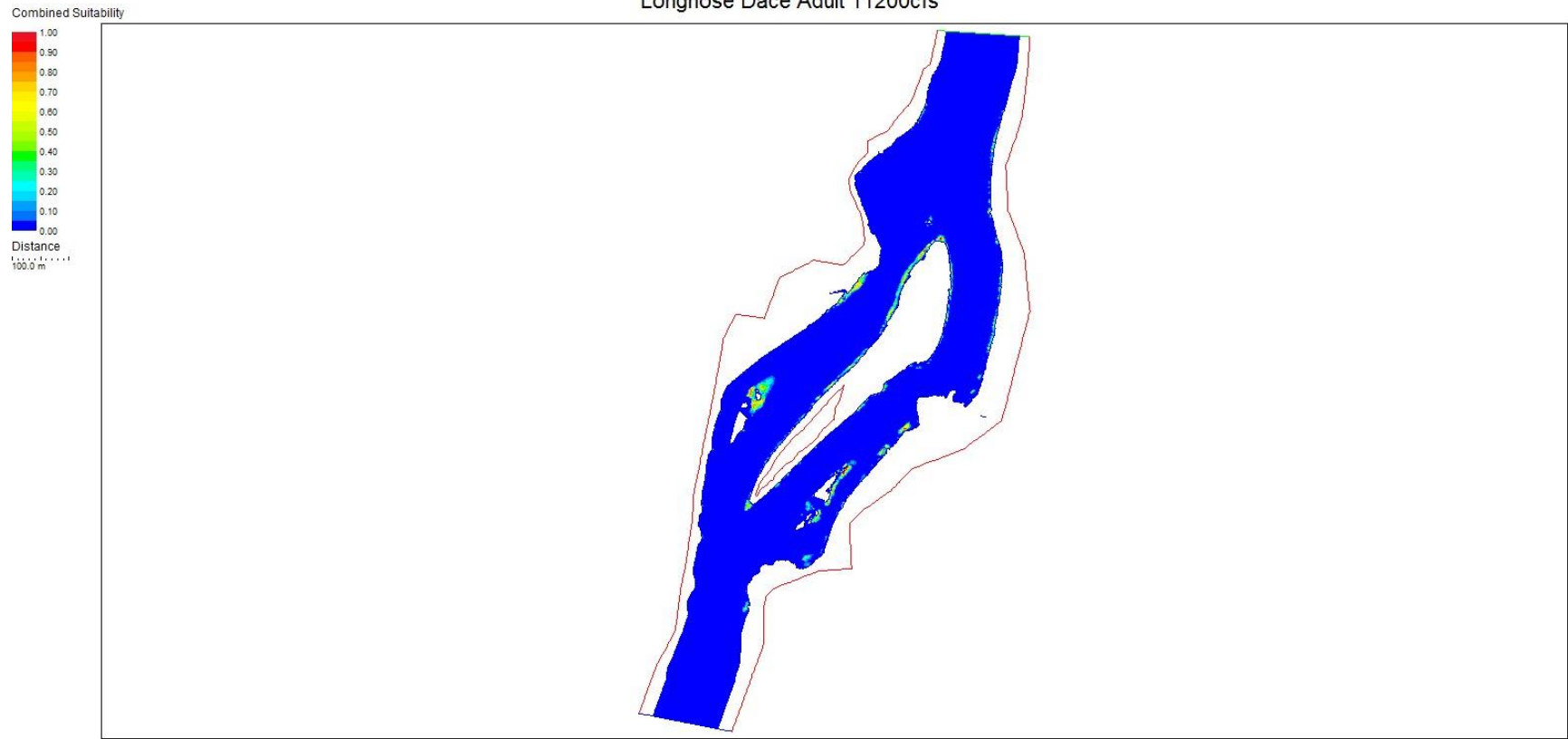
Longnose Dace Adult 9200cfs



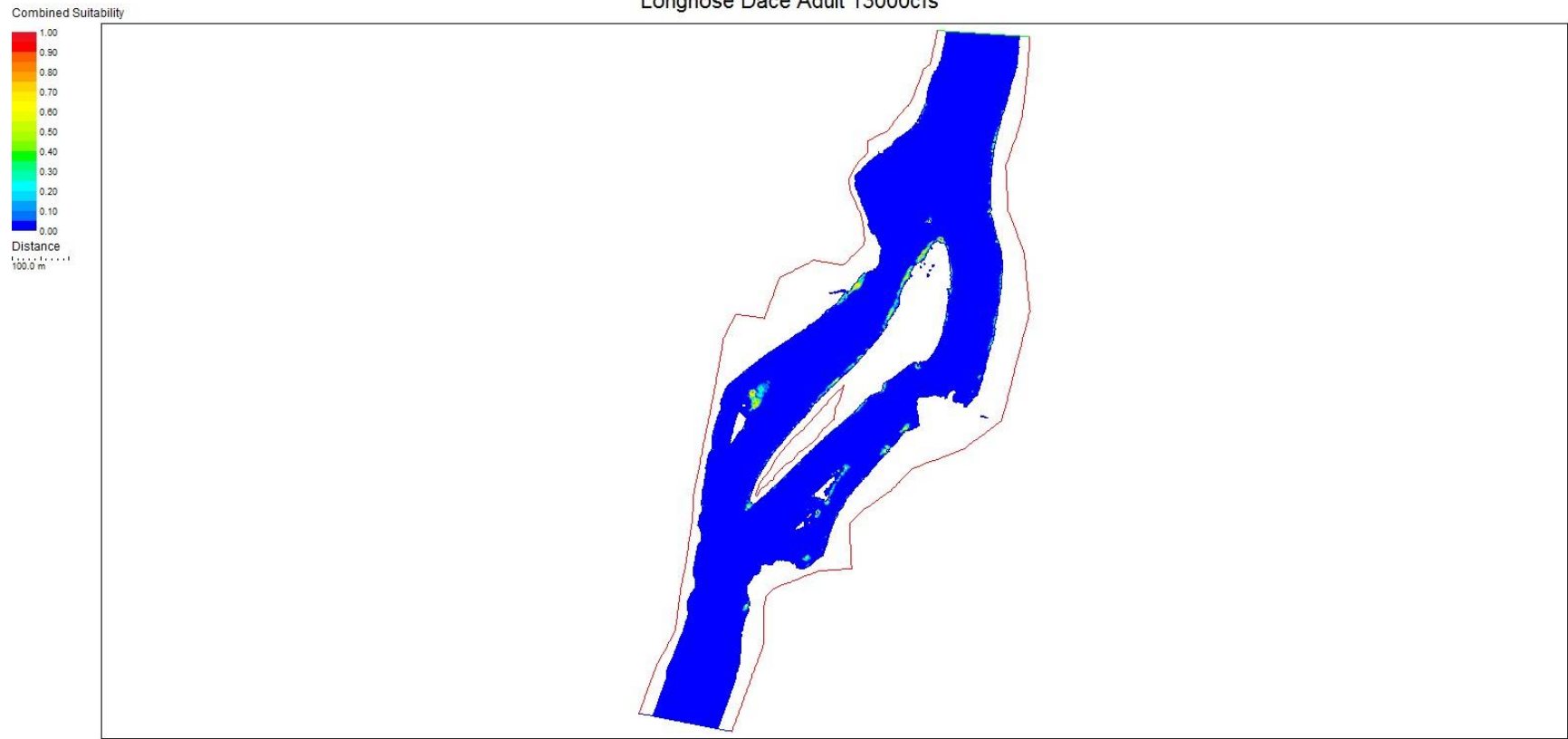
Longnose Dace Adult 10200cfs



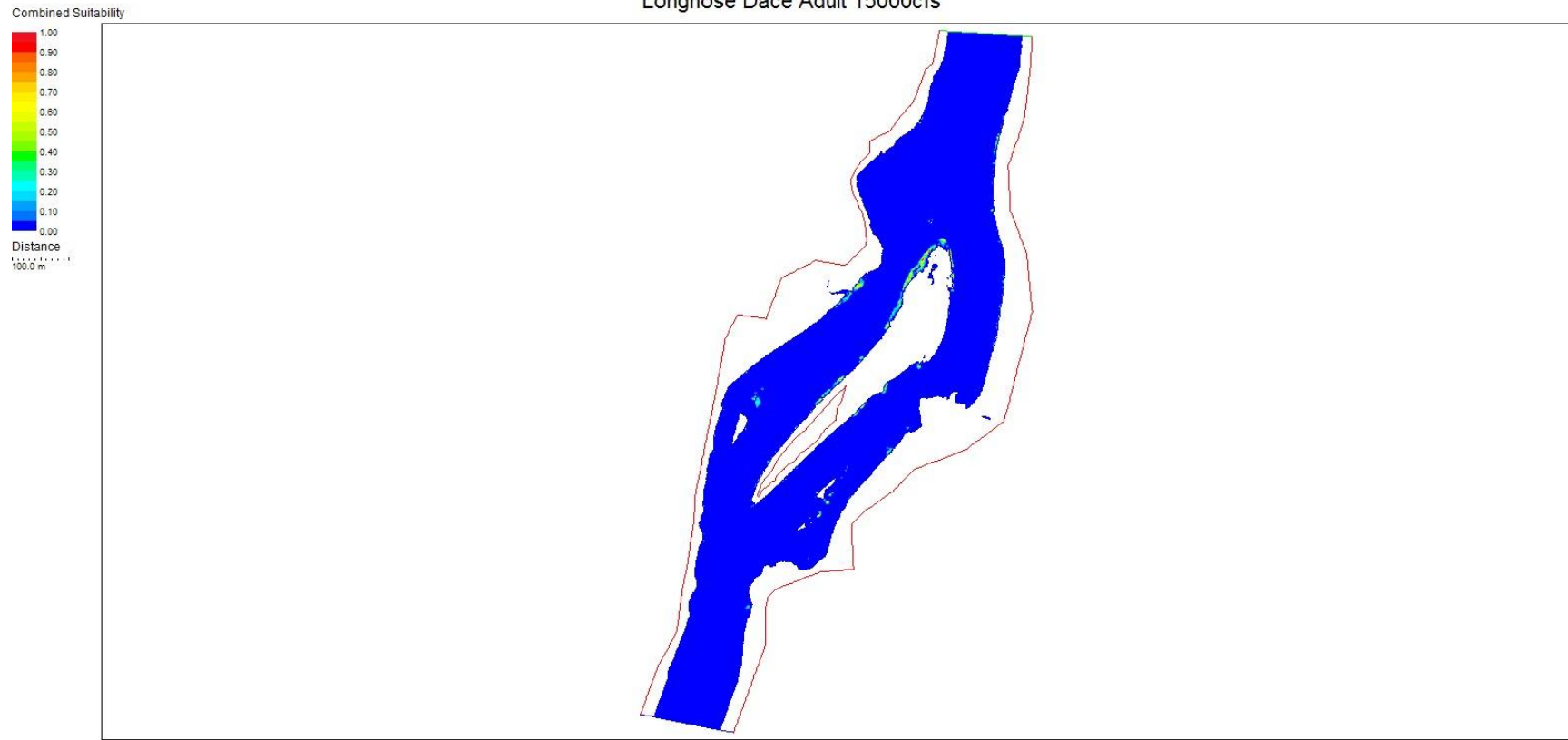
Longnose Dace Adult 11200cfs



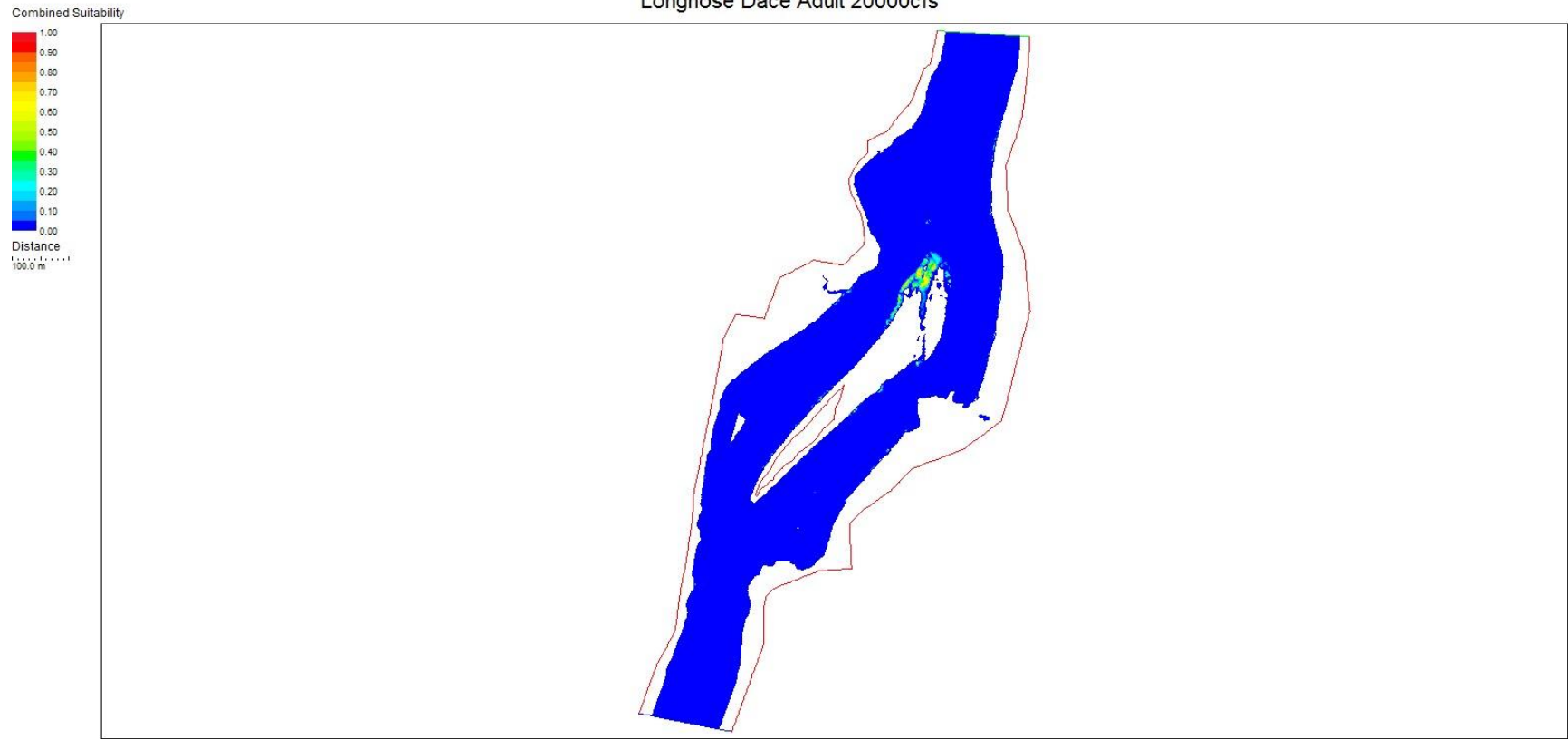
Longnose Dace Adult 13000cfs

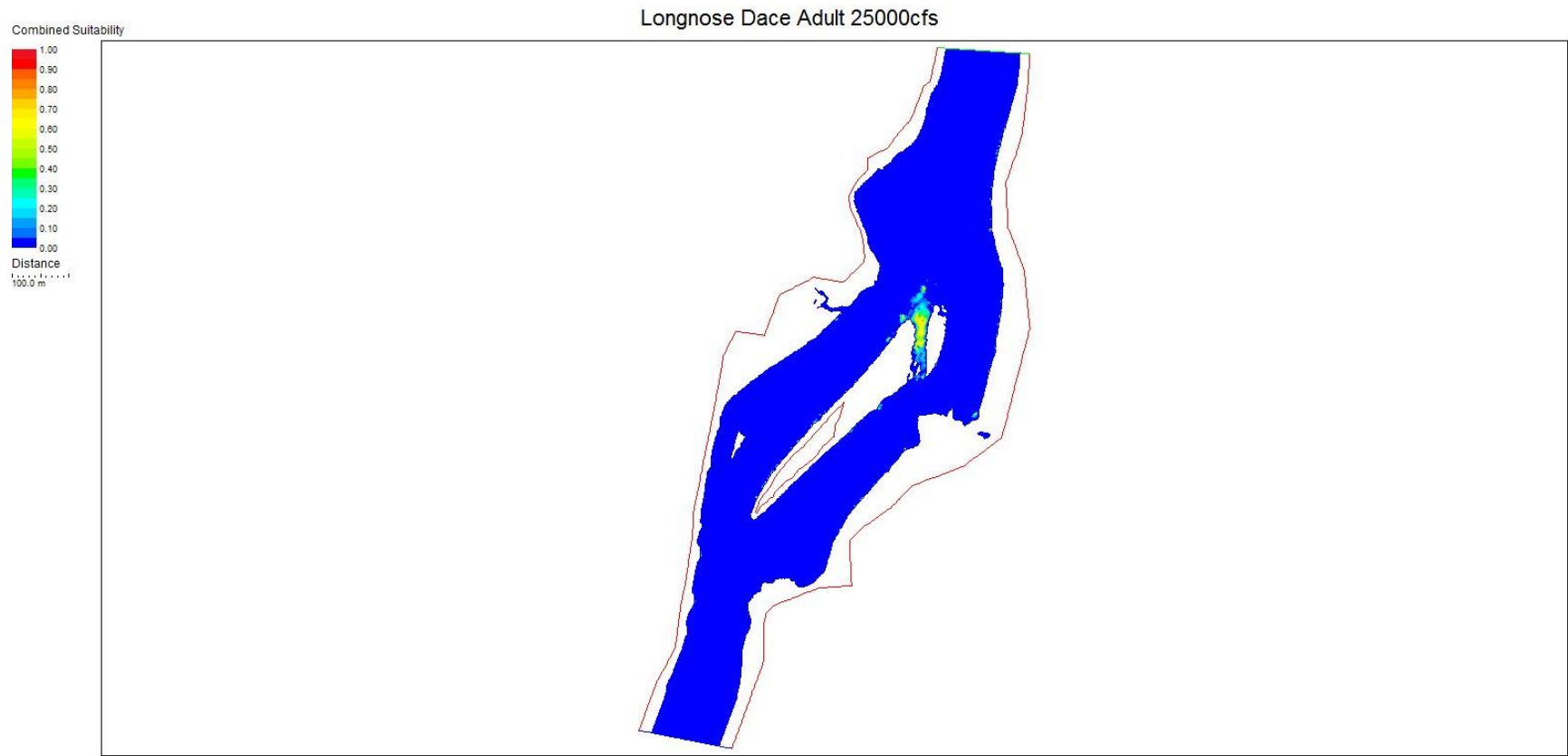


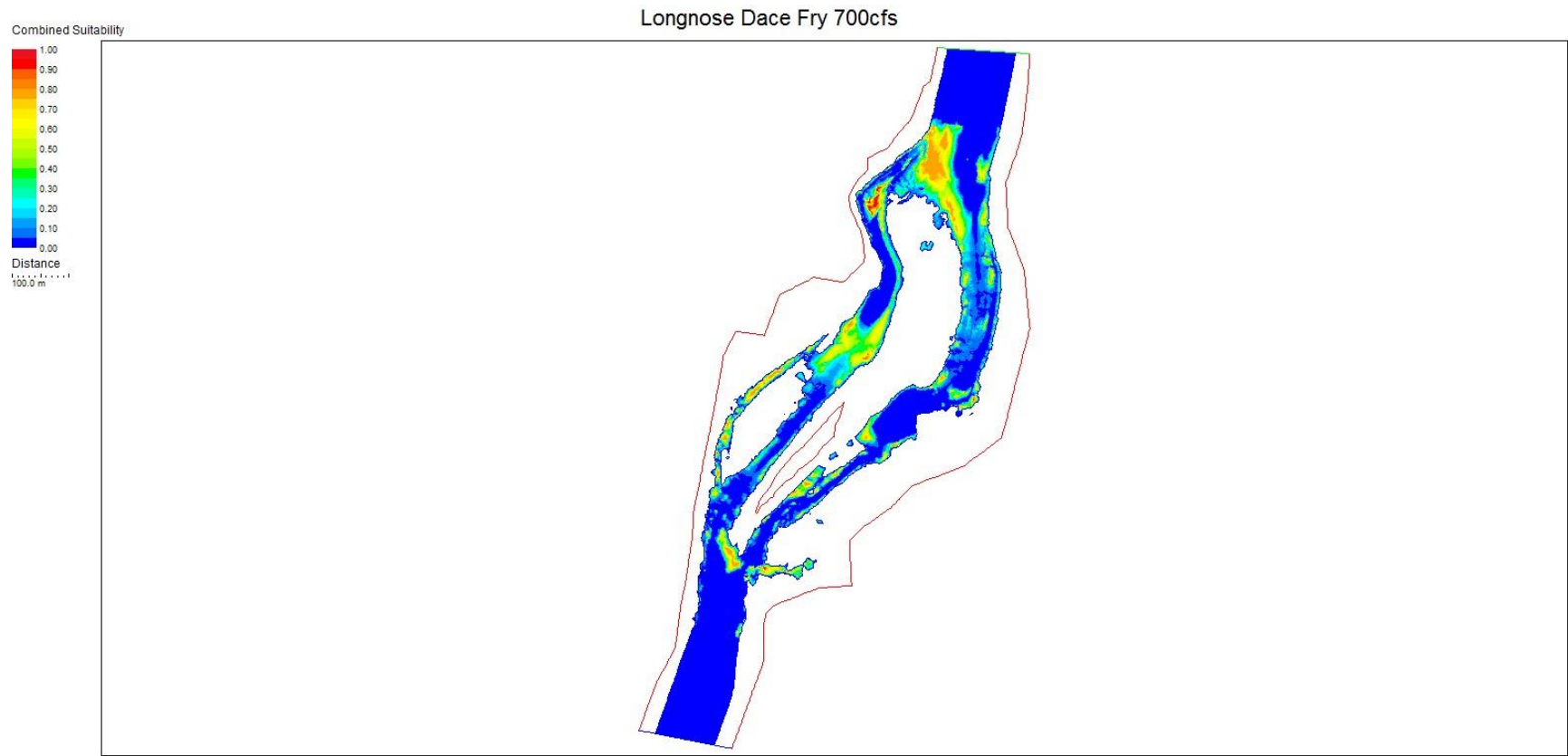
Longnose Dace Adult 15000cfs



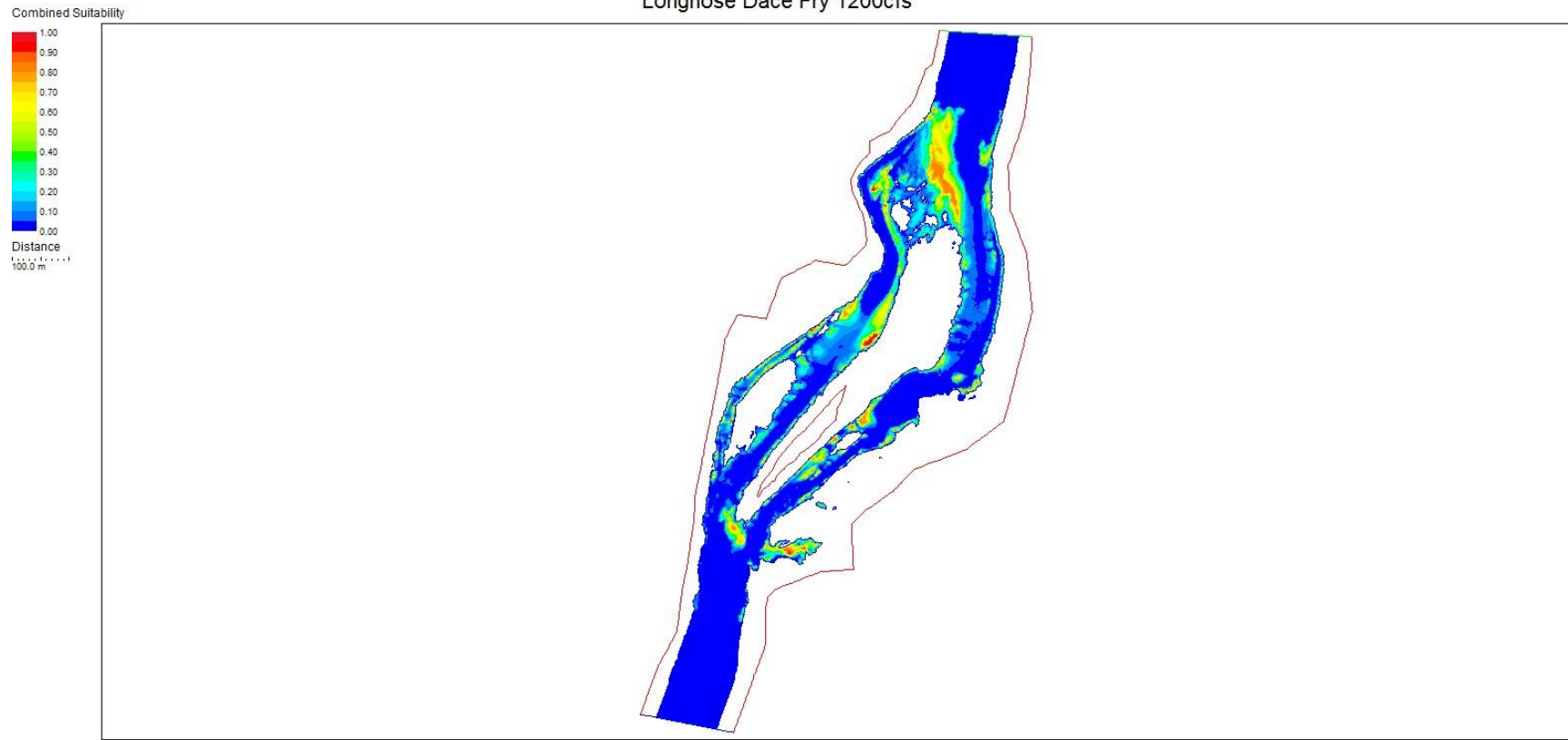
Longnose Dace Adult 20000cfs



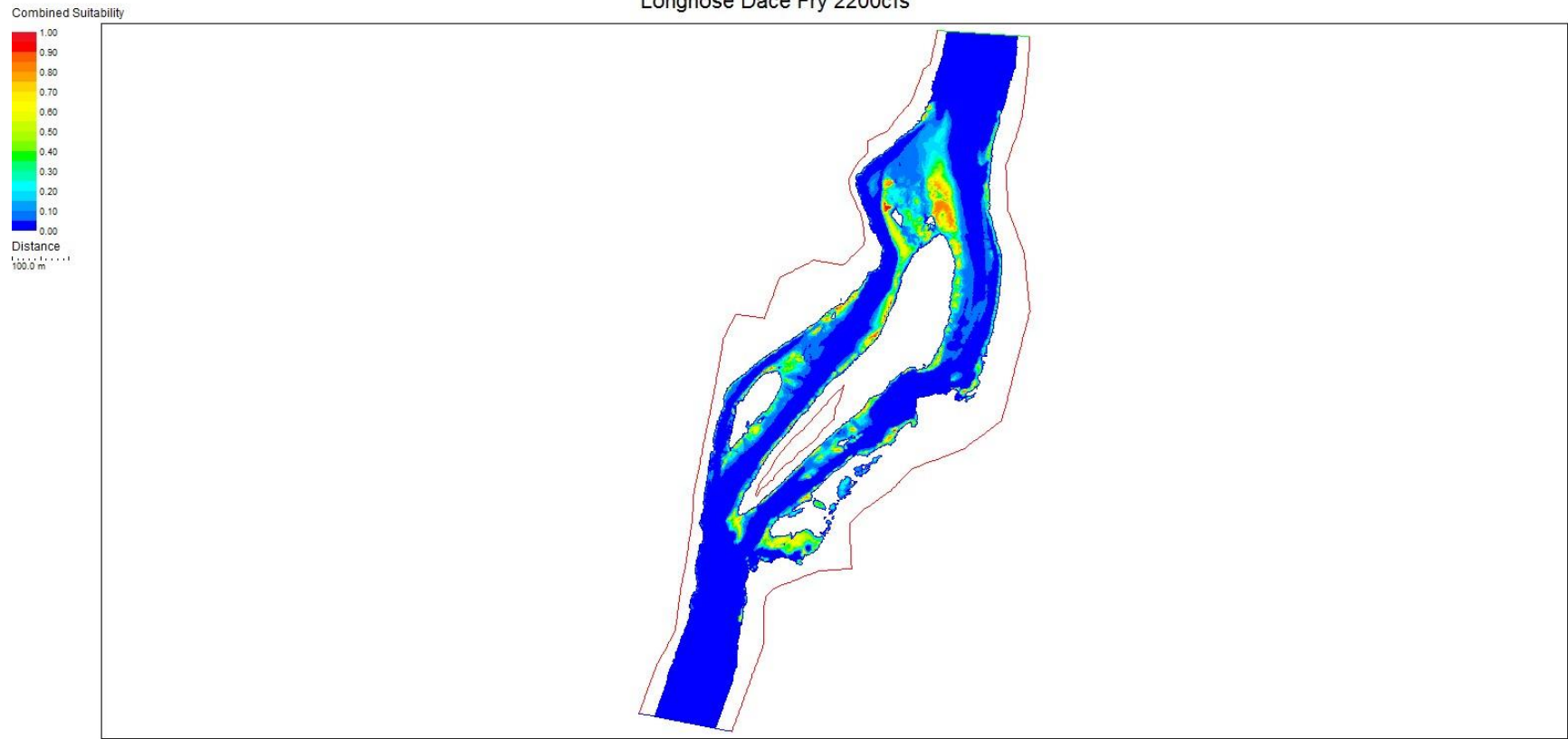




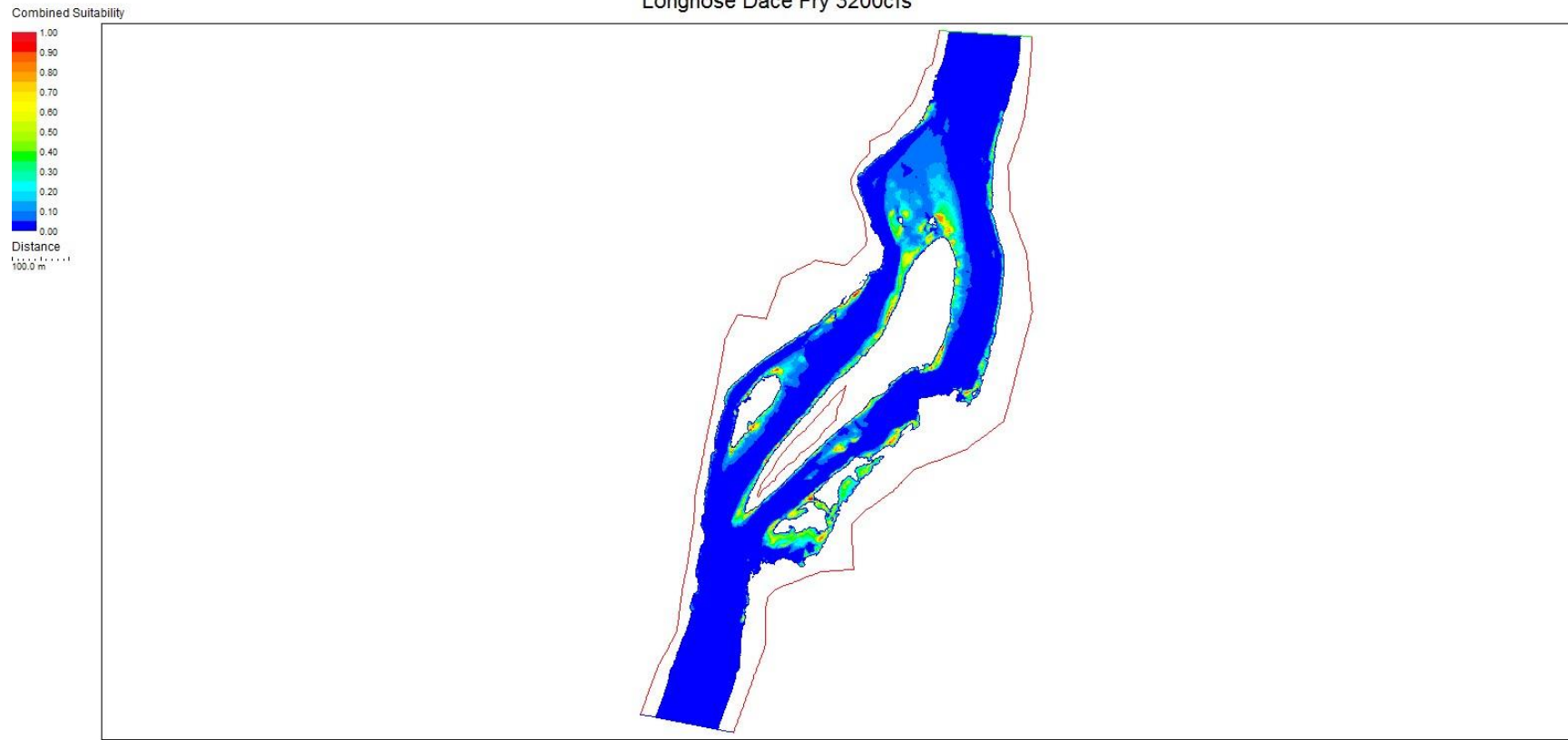
Longnose Dace Fry 1200cfs



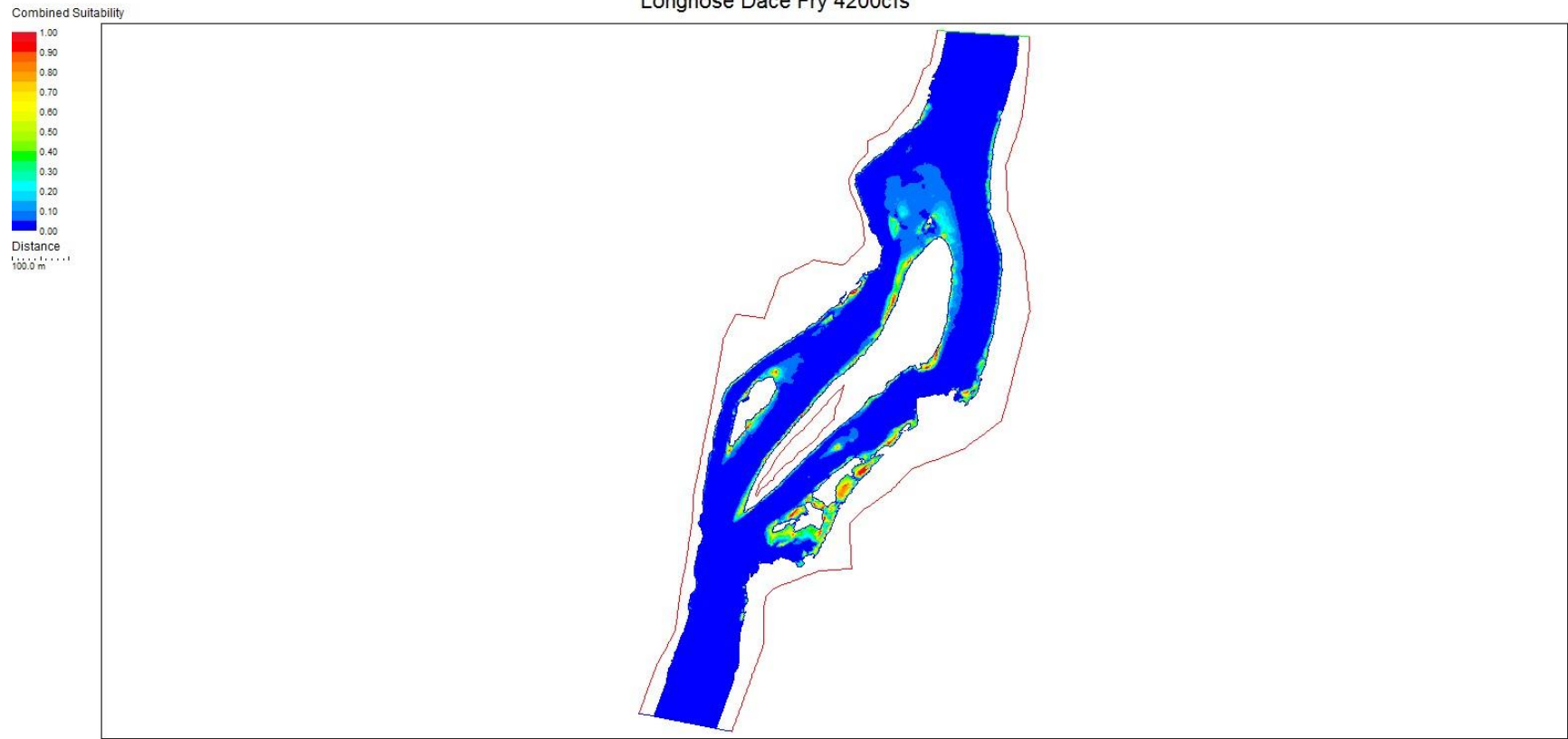
Longnose Dace Fry 2200cfs



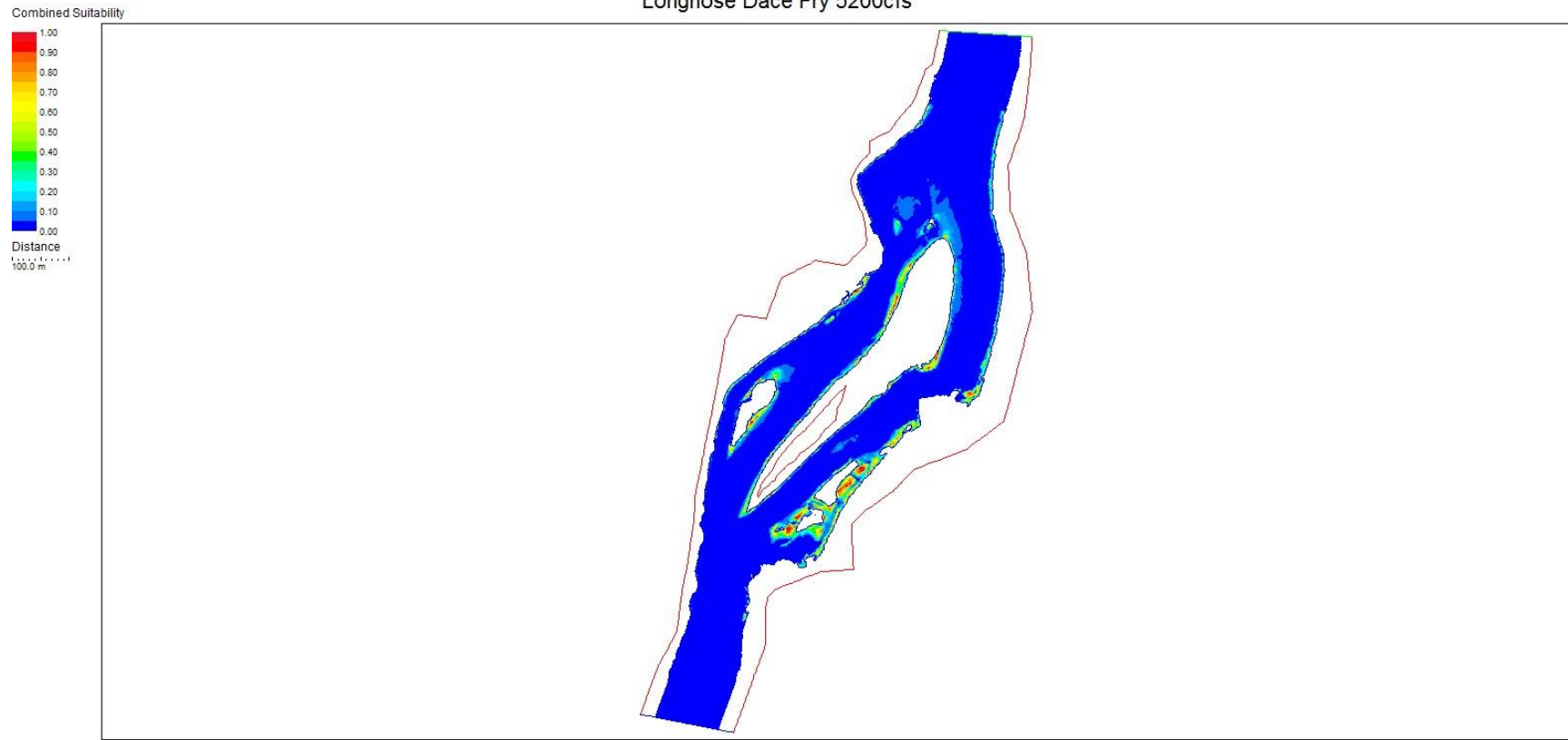
Longnose Dace Fry 3200cfs



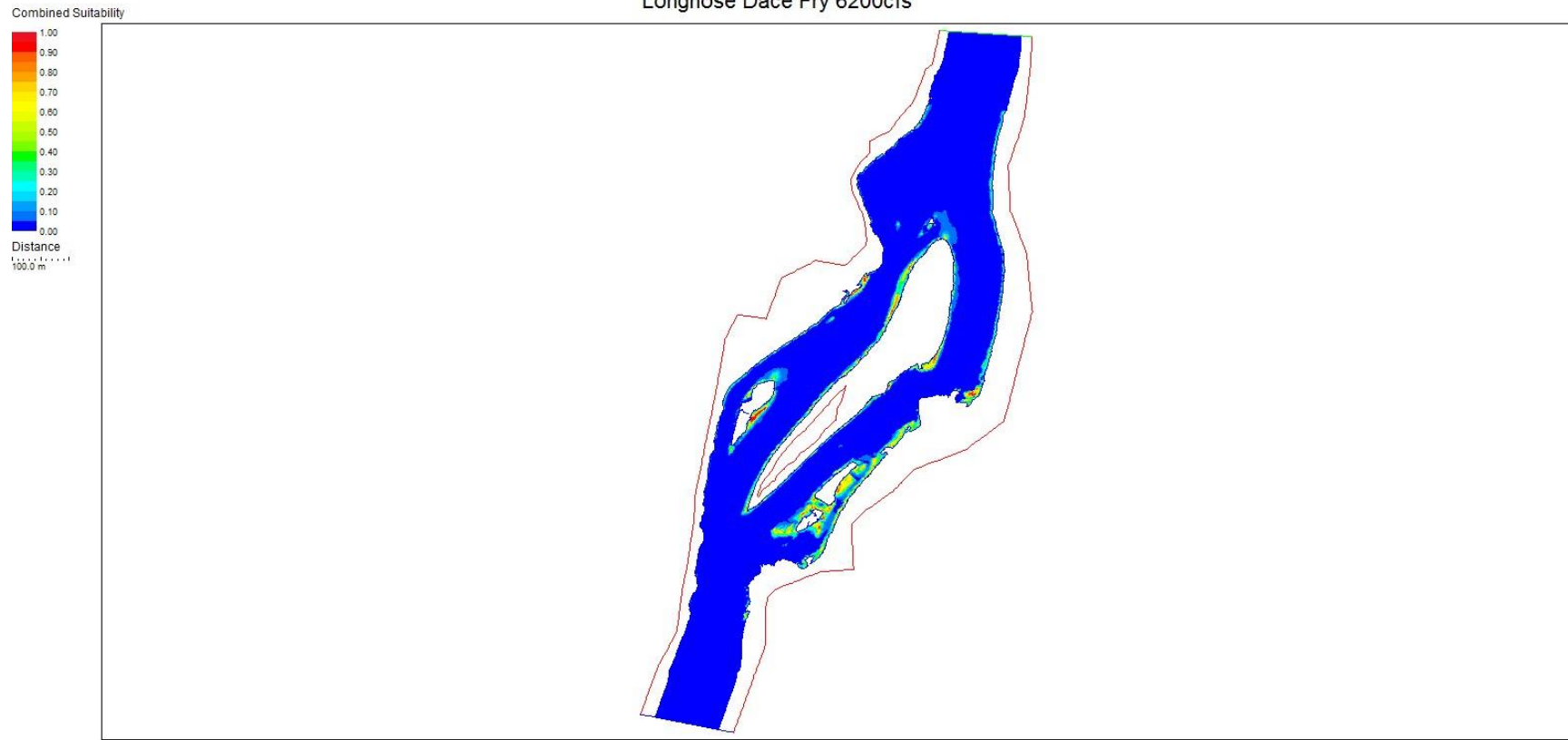
Longnose Dace Fry 4200cfs



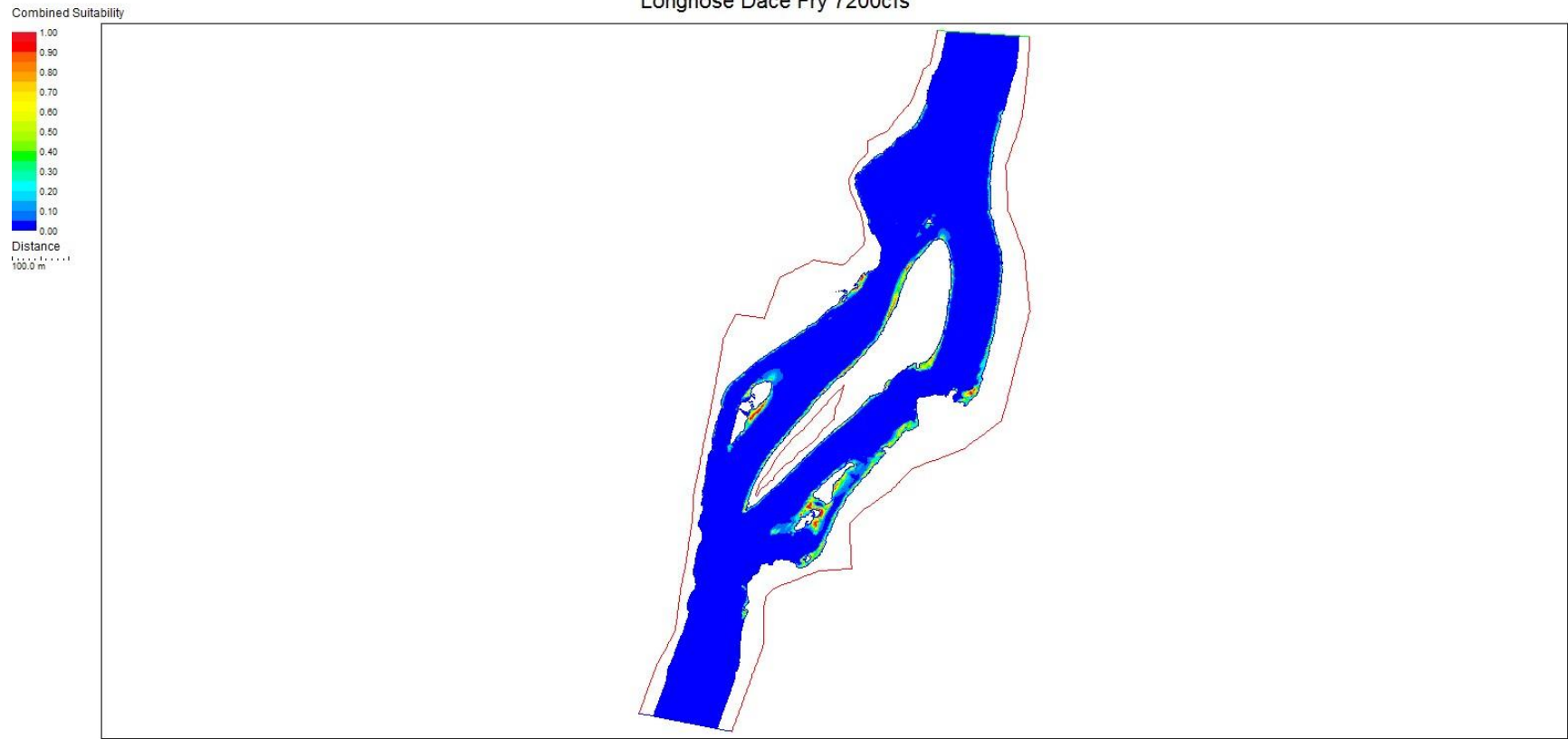
Longnose Dace Fry 5200cfs



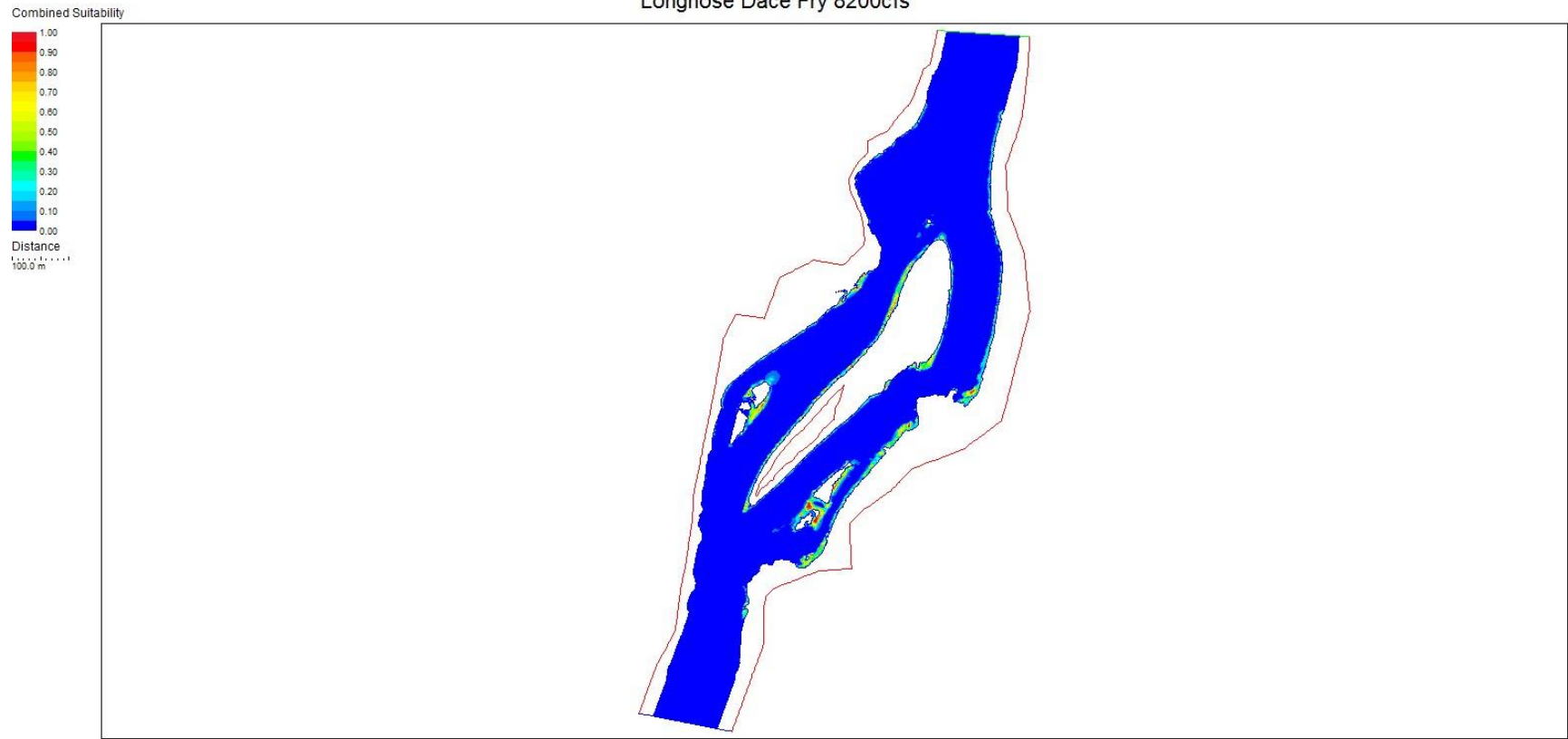
Longnose Dace Fry 6200cfs



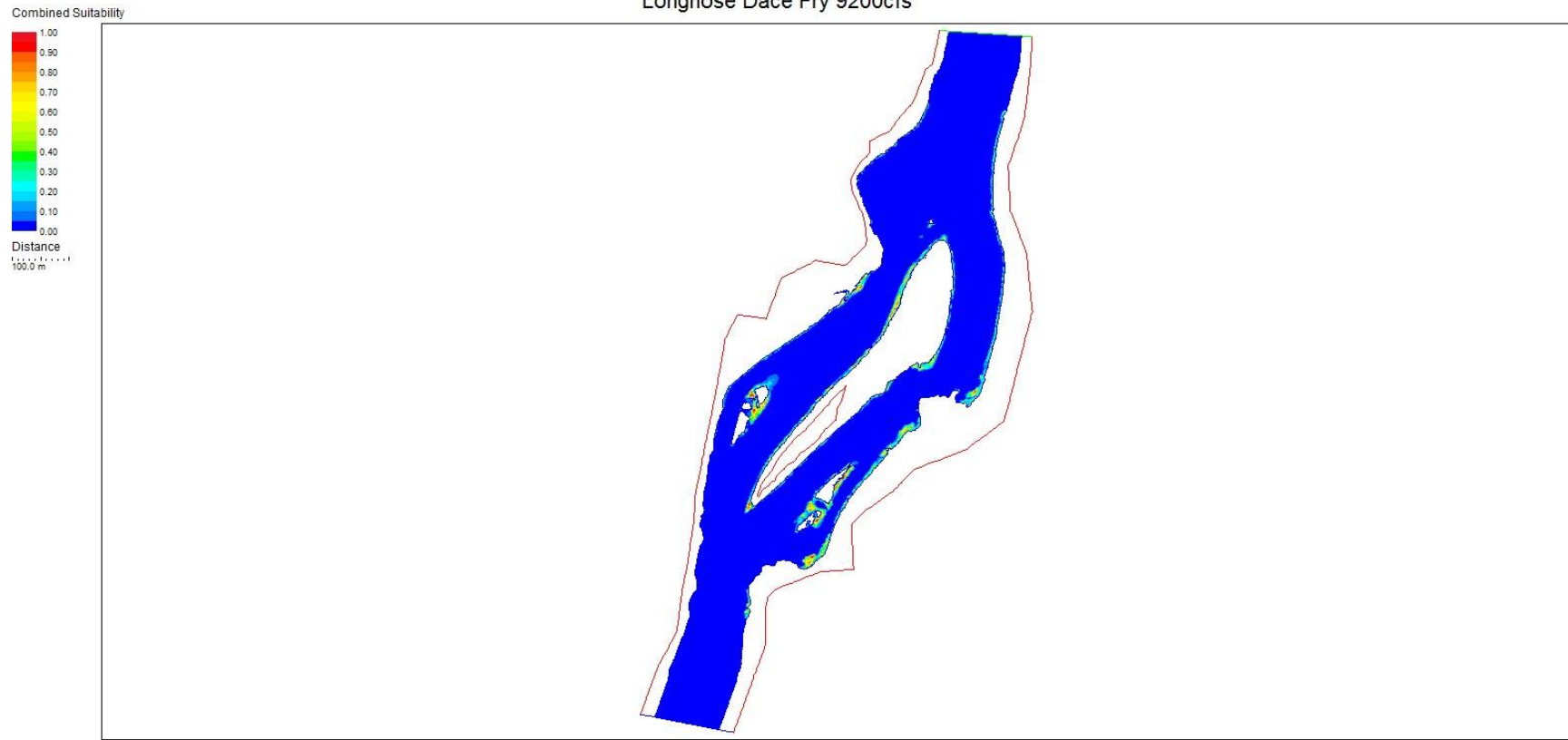
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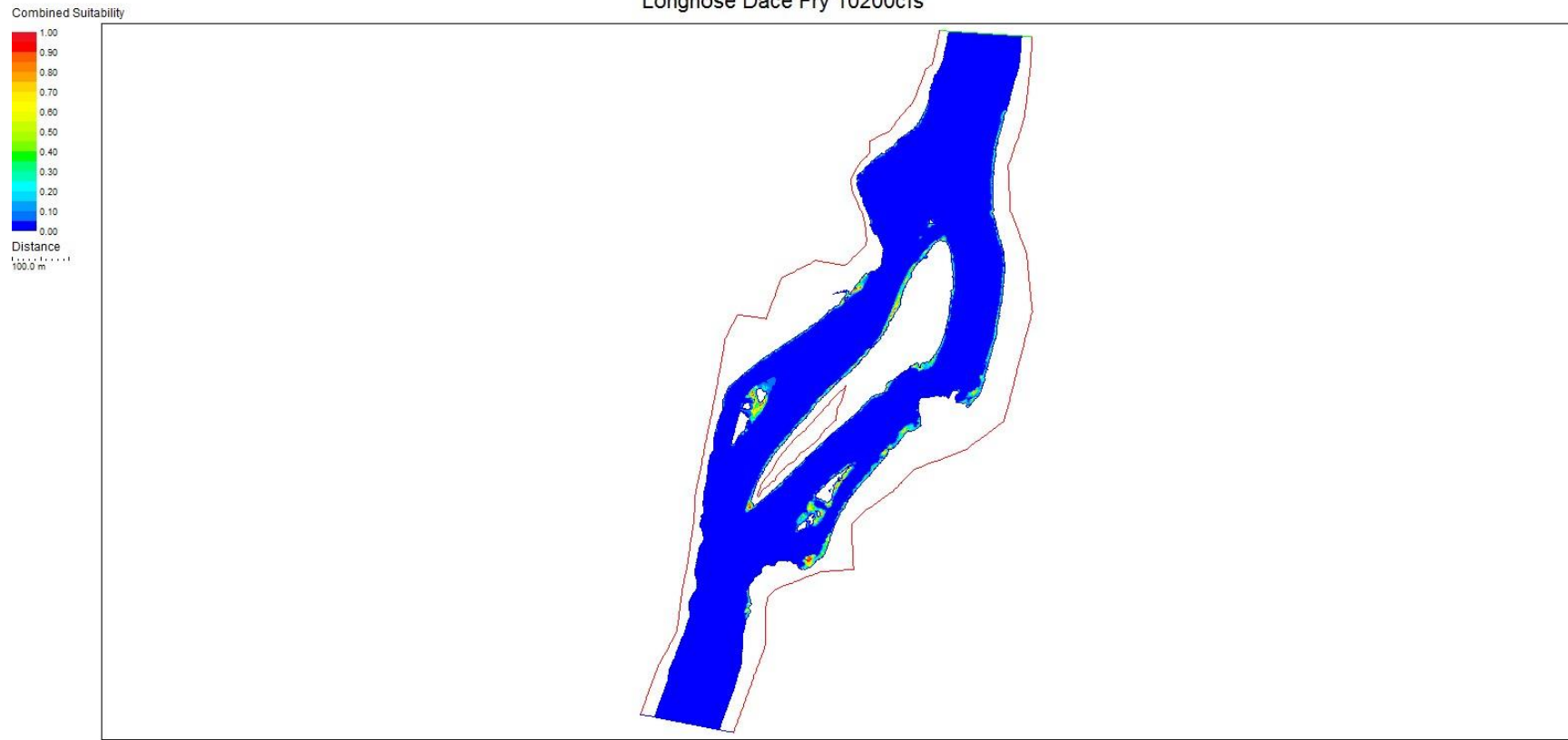
Longnose Dace Fry 8200cfs



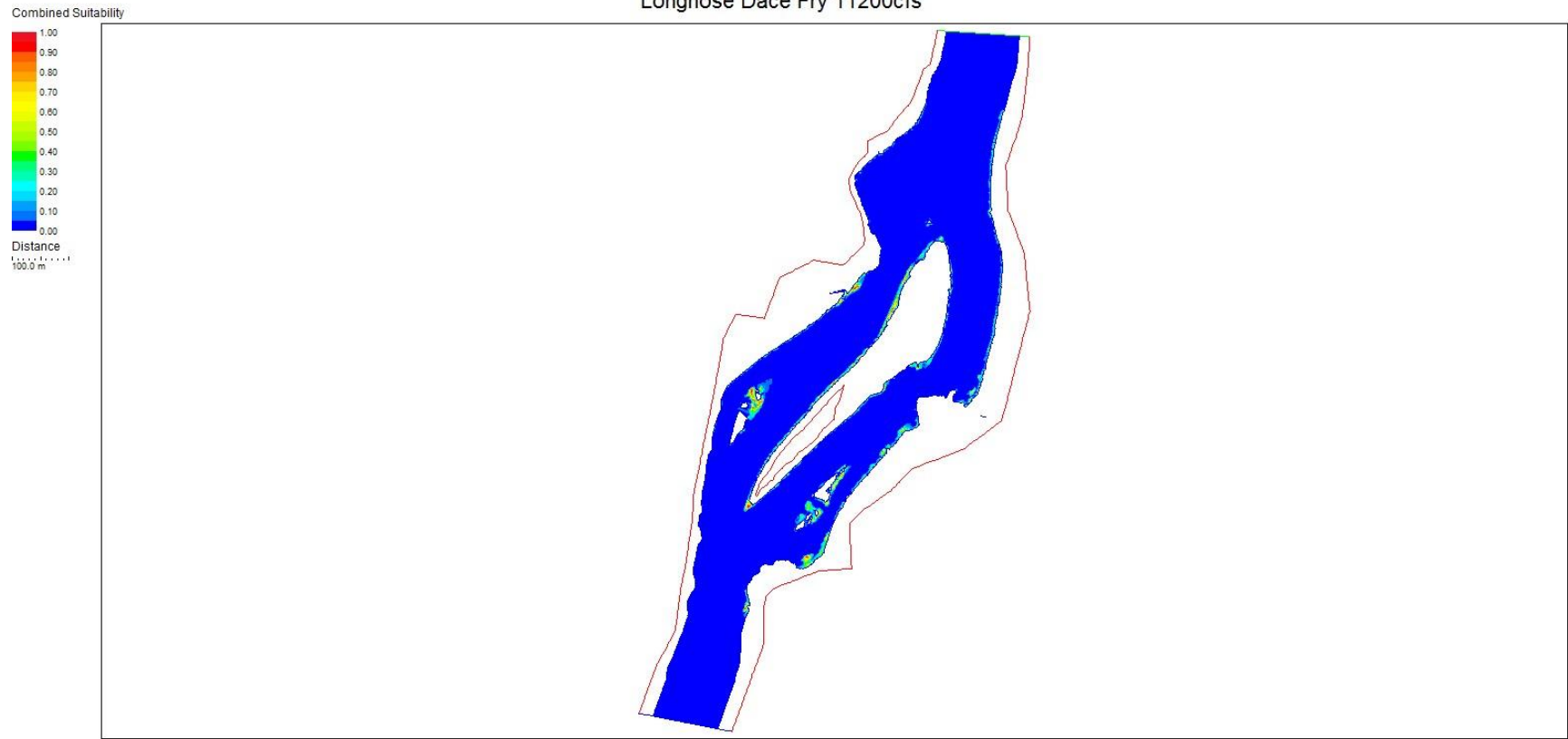
Longnose Dace Fry 9200cfs



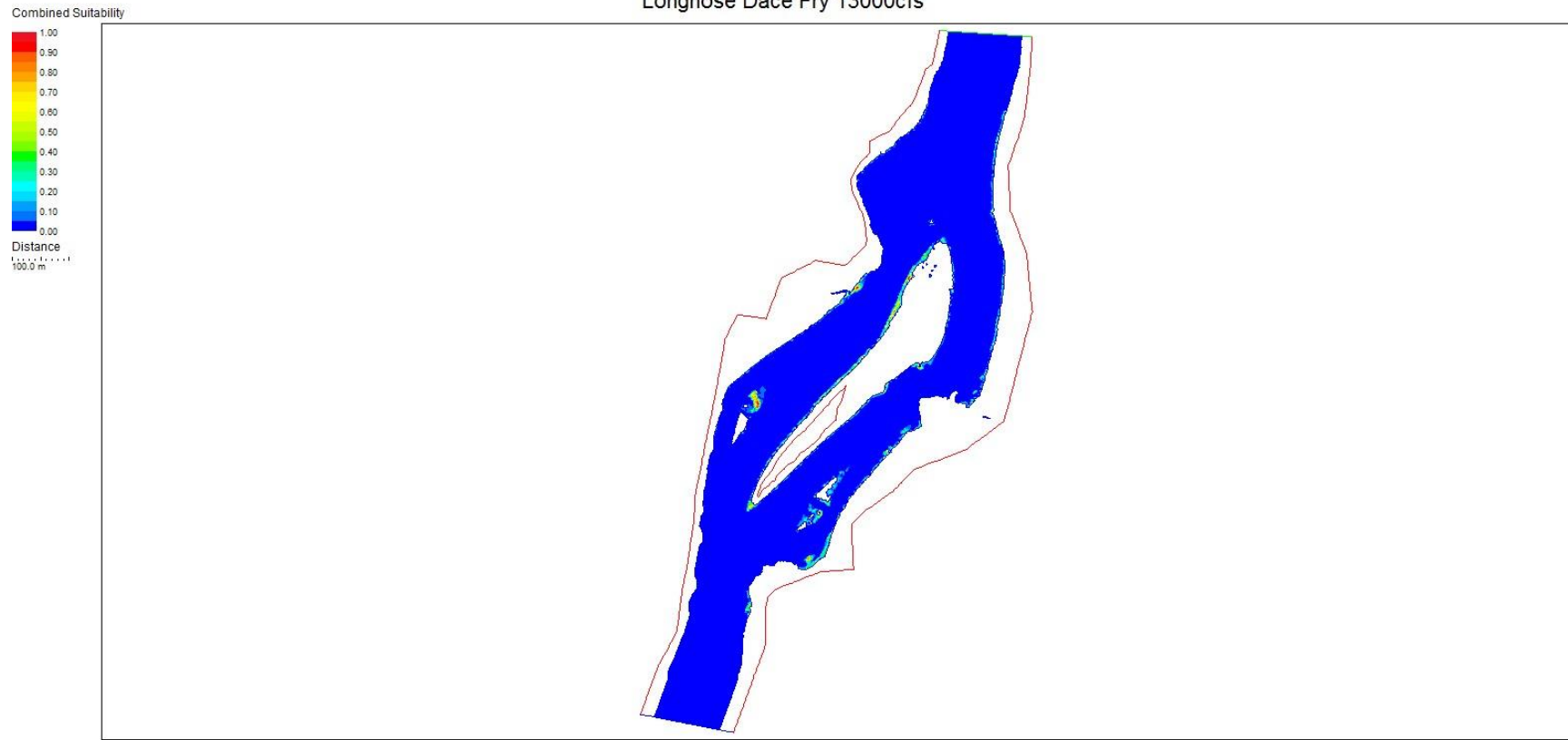
Longnose Dace Fry 10200cfs



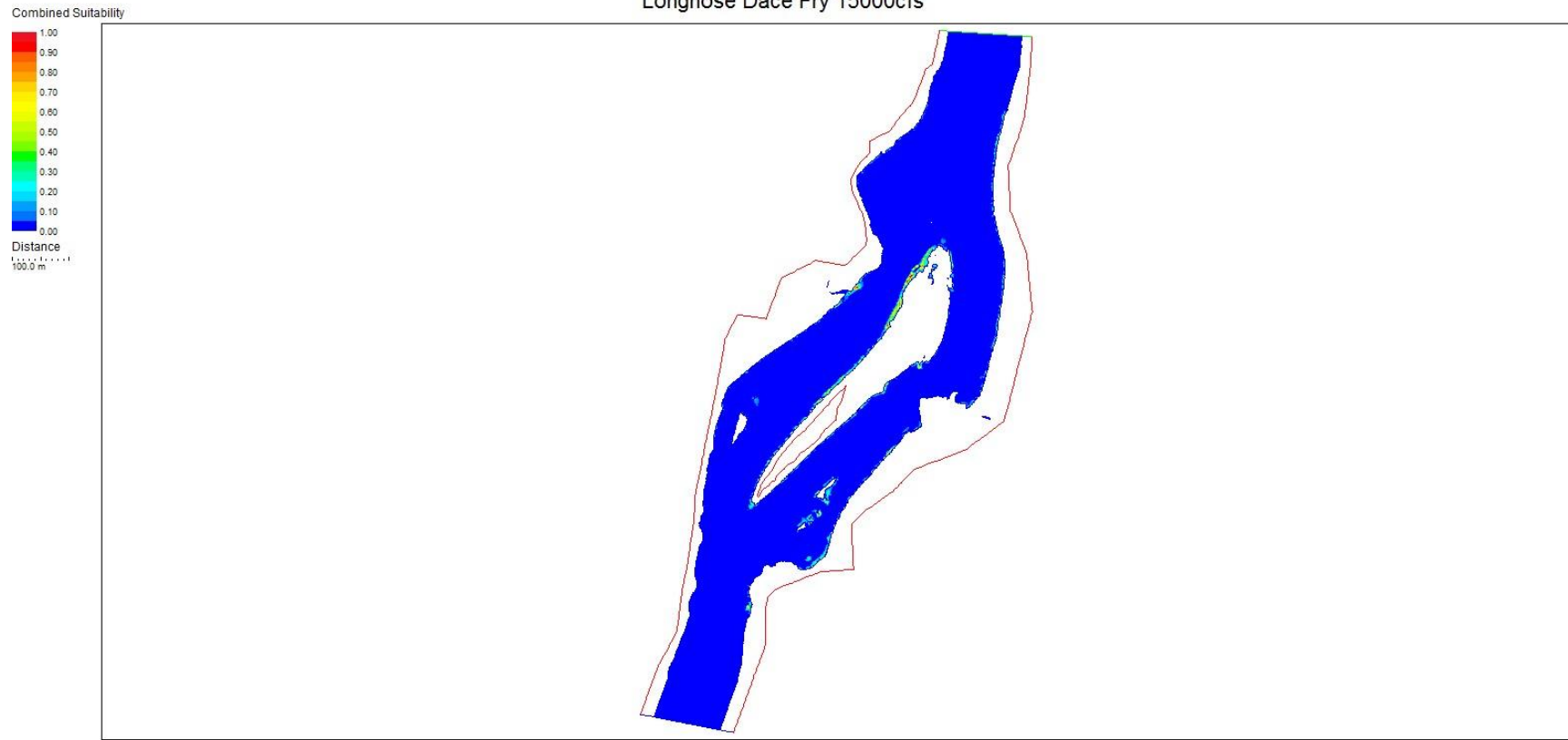
Longnose Dace Fry 11200cfs



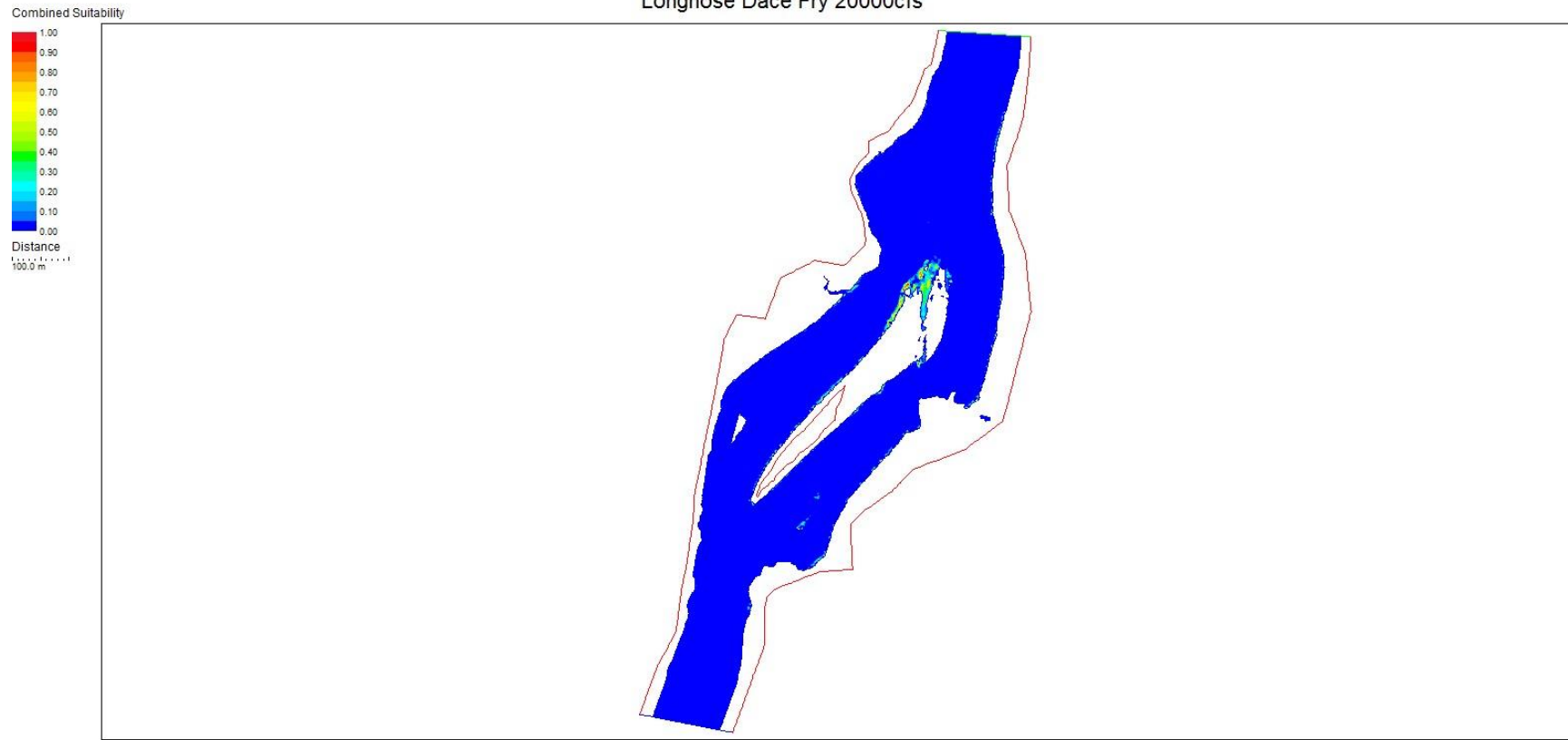
Longnose Dace Fry 13000cfs



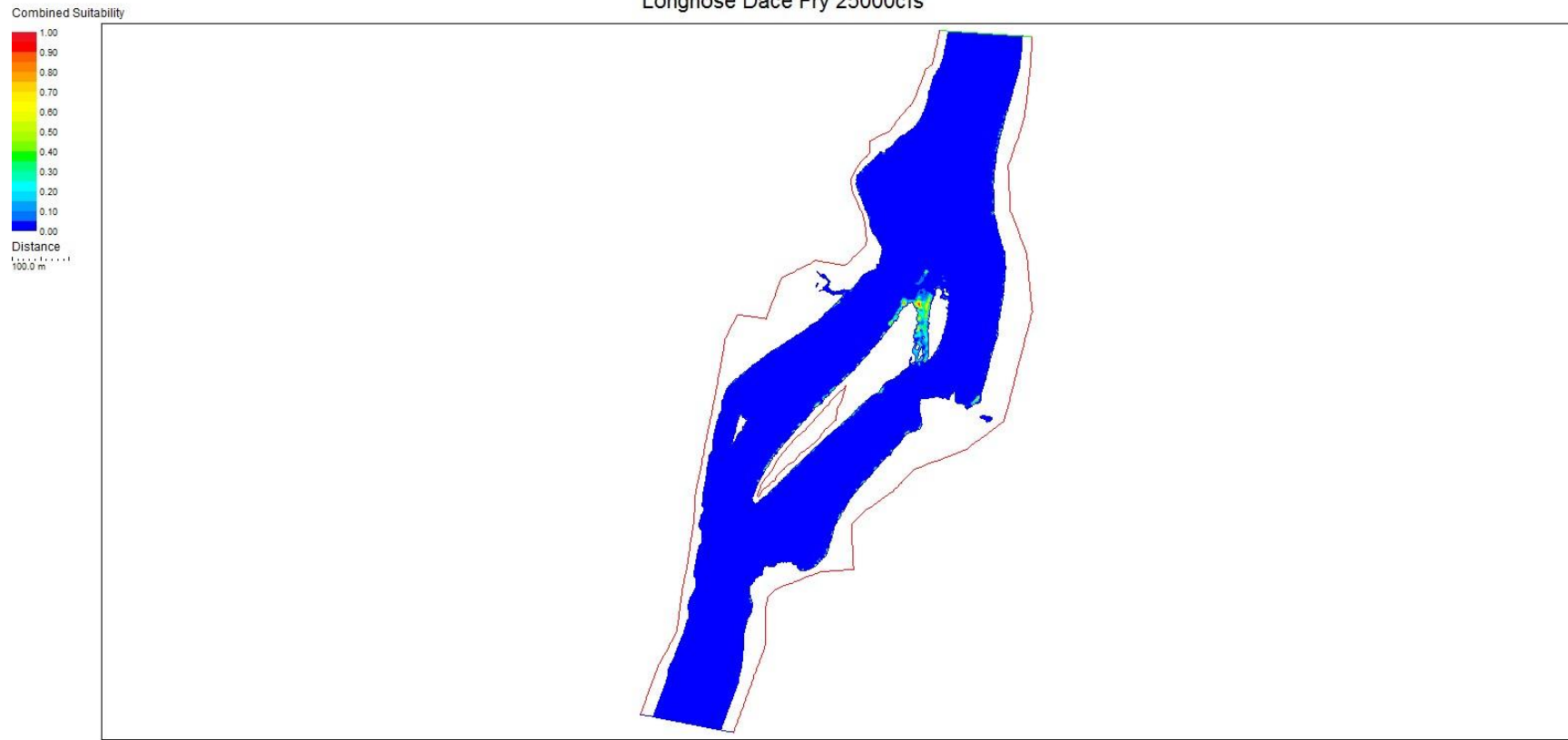
Longnose Dace Fry 15000cfs



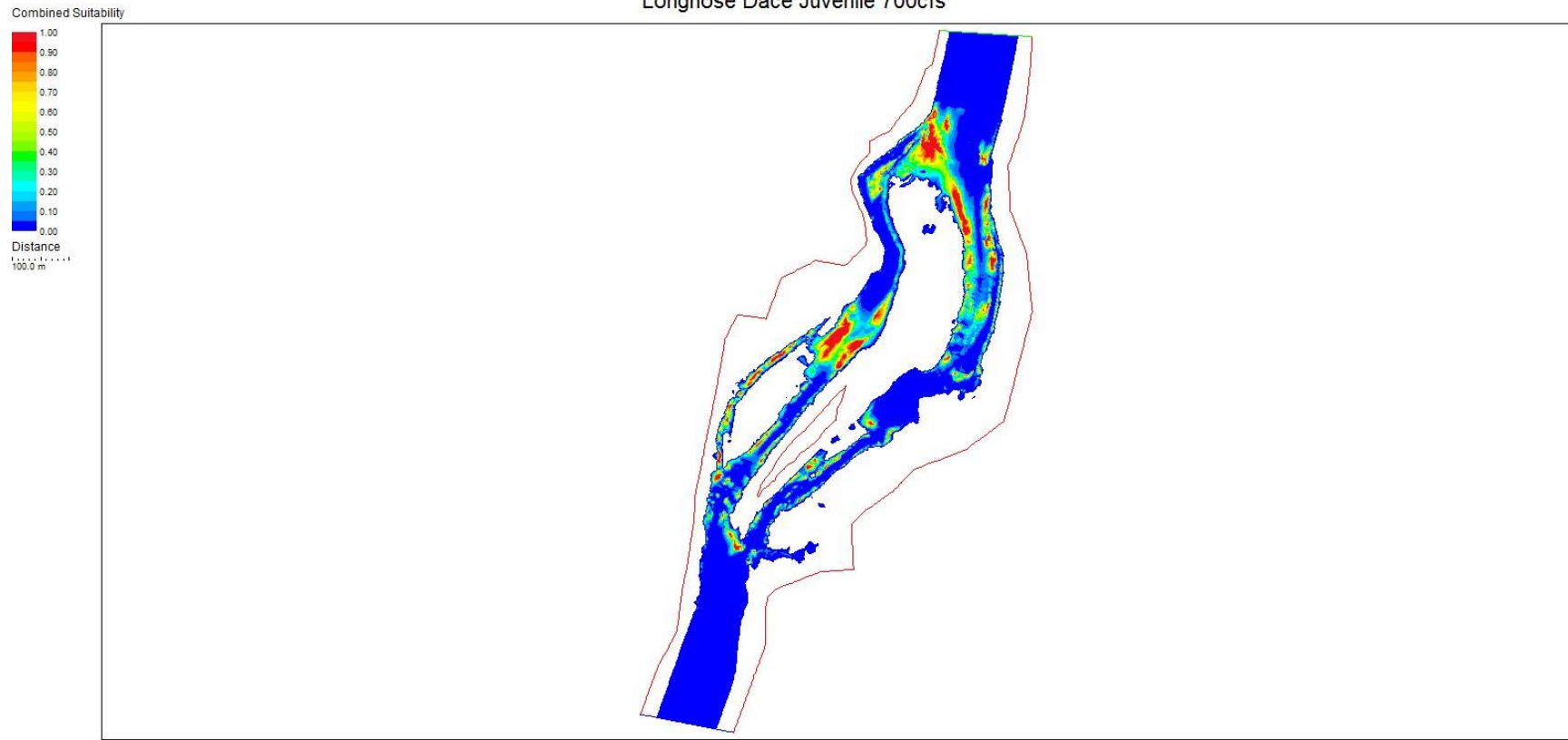
Longnose Dace Fry 20000cfs



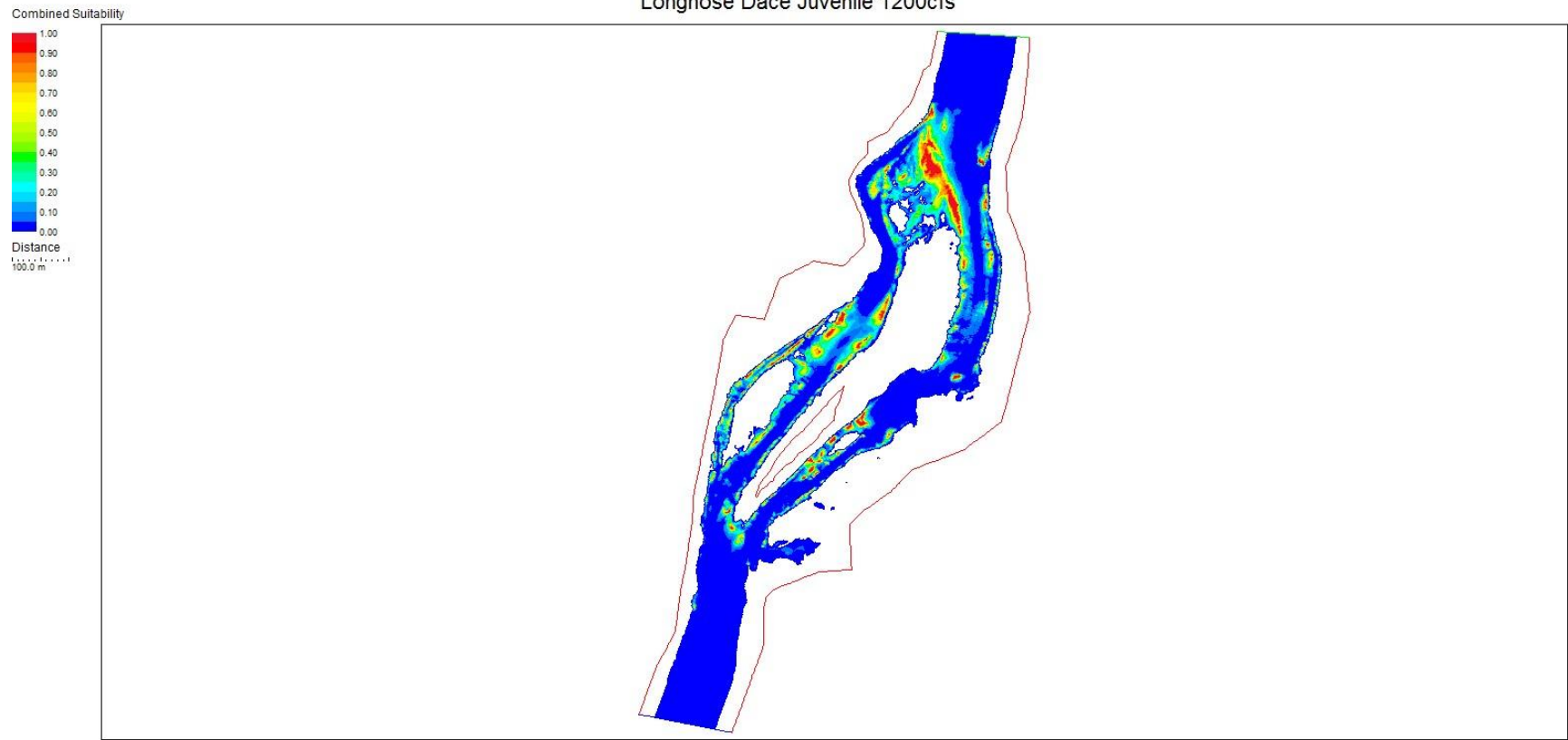
Longnose Dace Fry 25000cfs



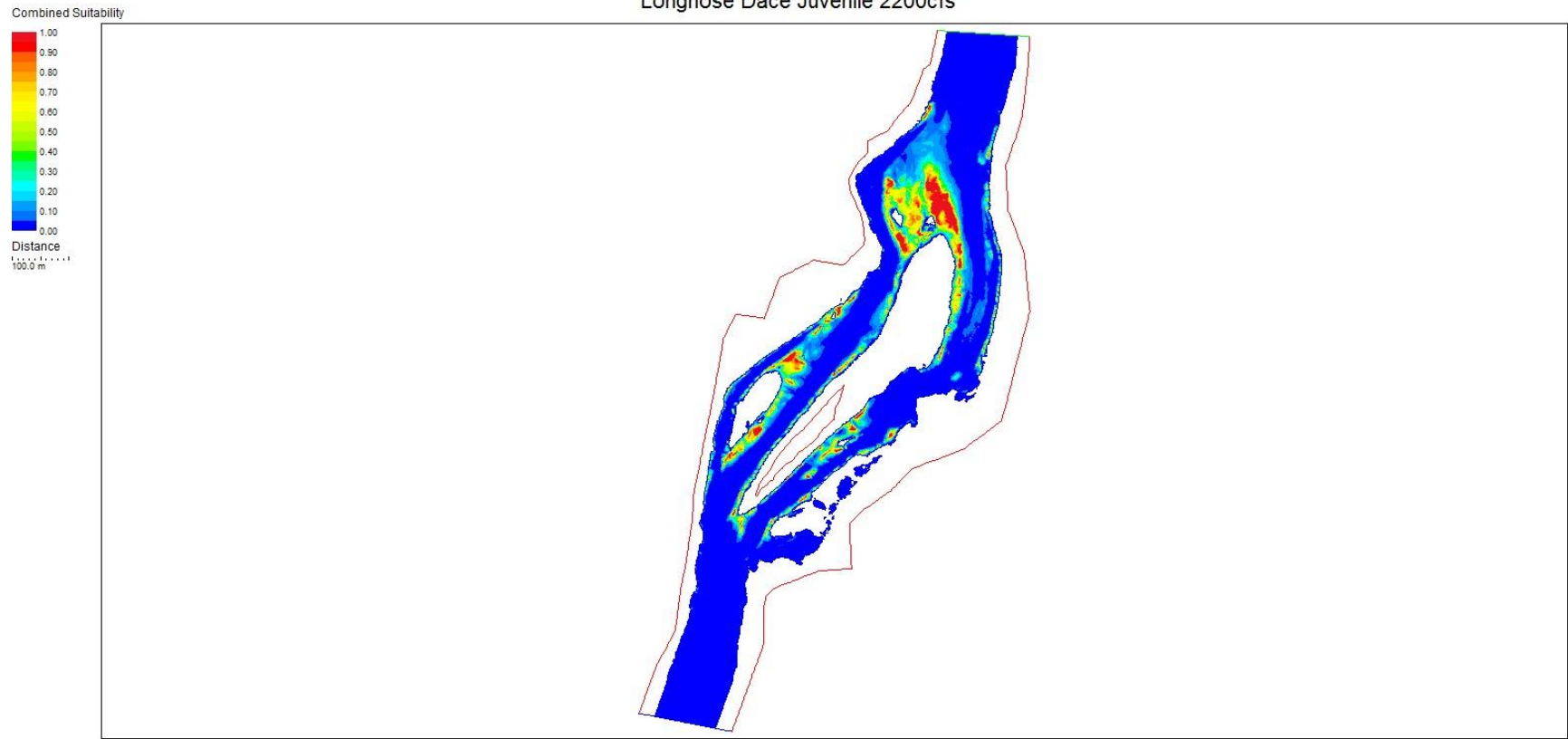
Longnose Dace Juvenile 700cfs



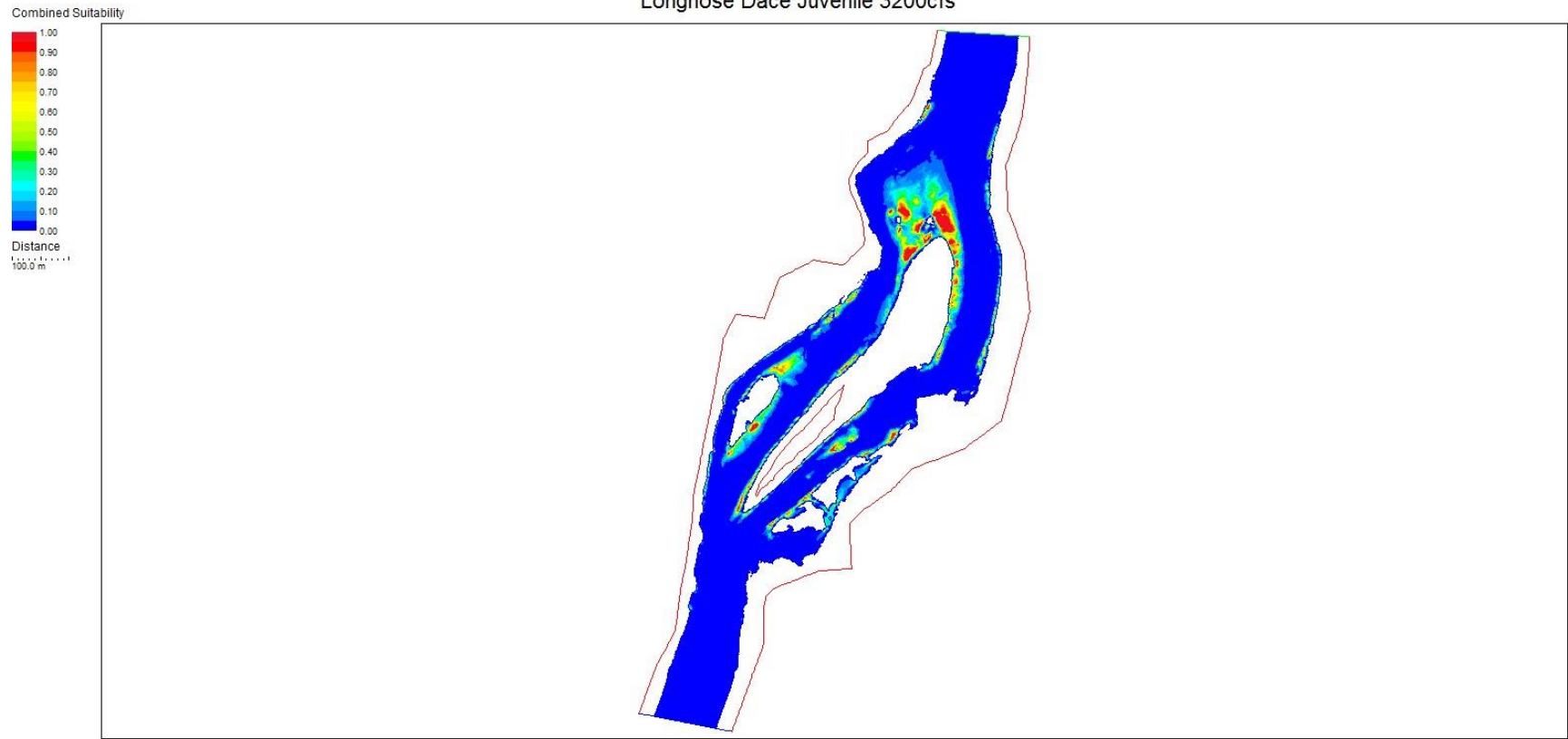
Longnose Dace Juvenile 1200cfs

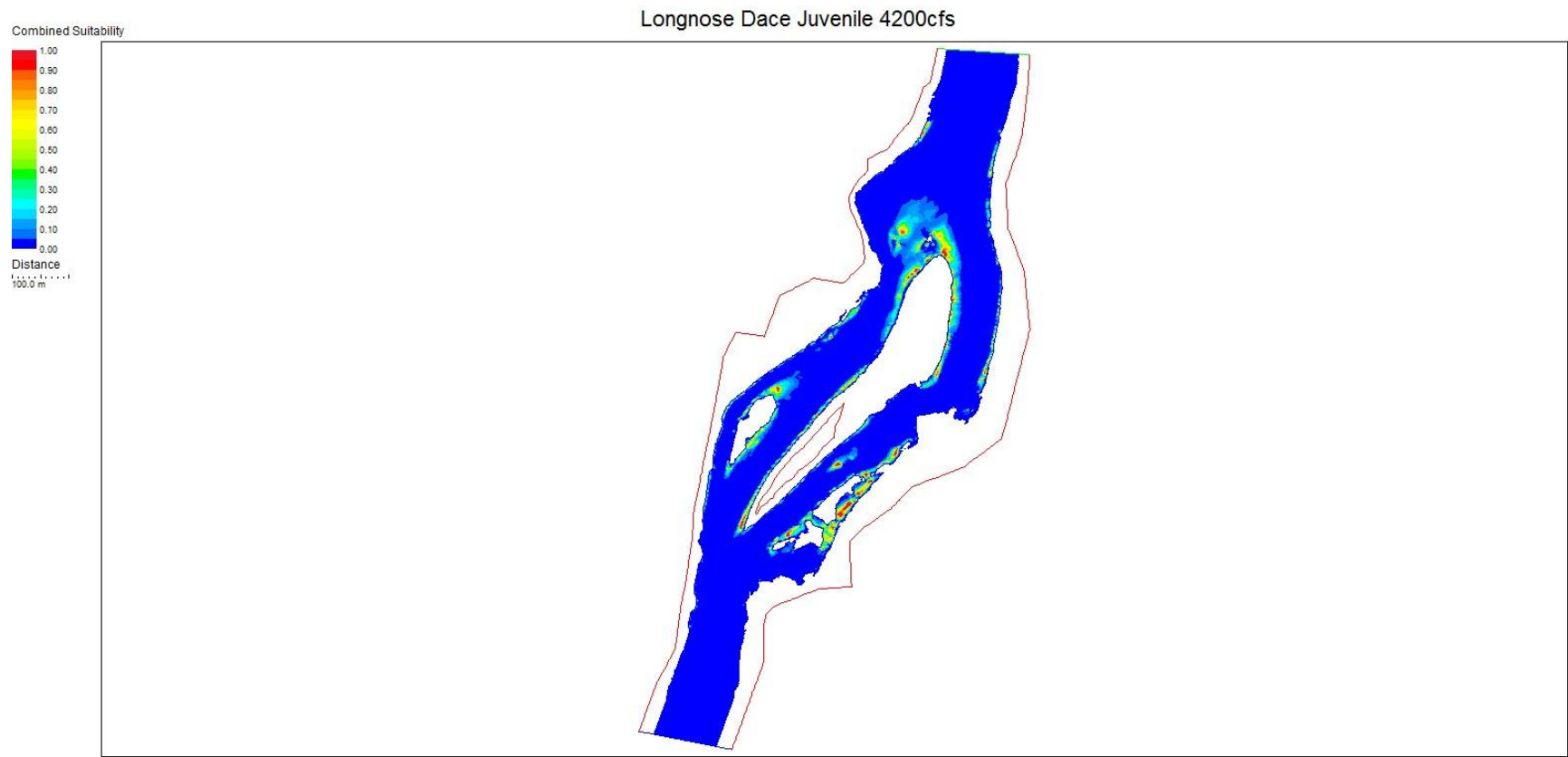


Longnose Dace Juvenile 2200cfs

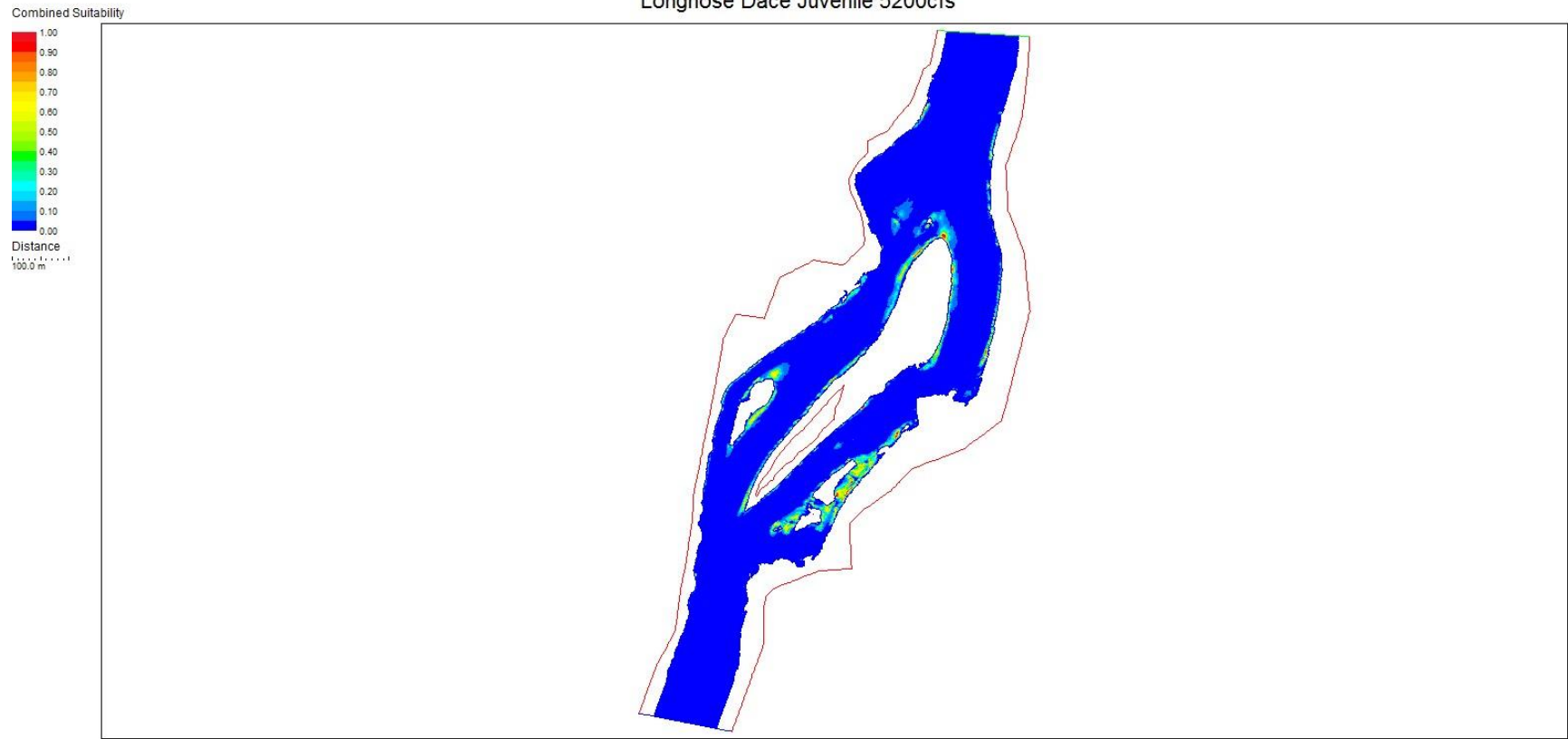


Longnose Dace Juvenile 3200cfs

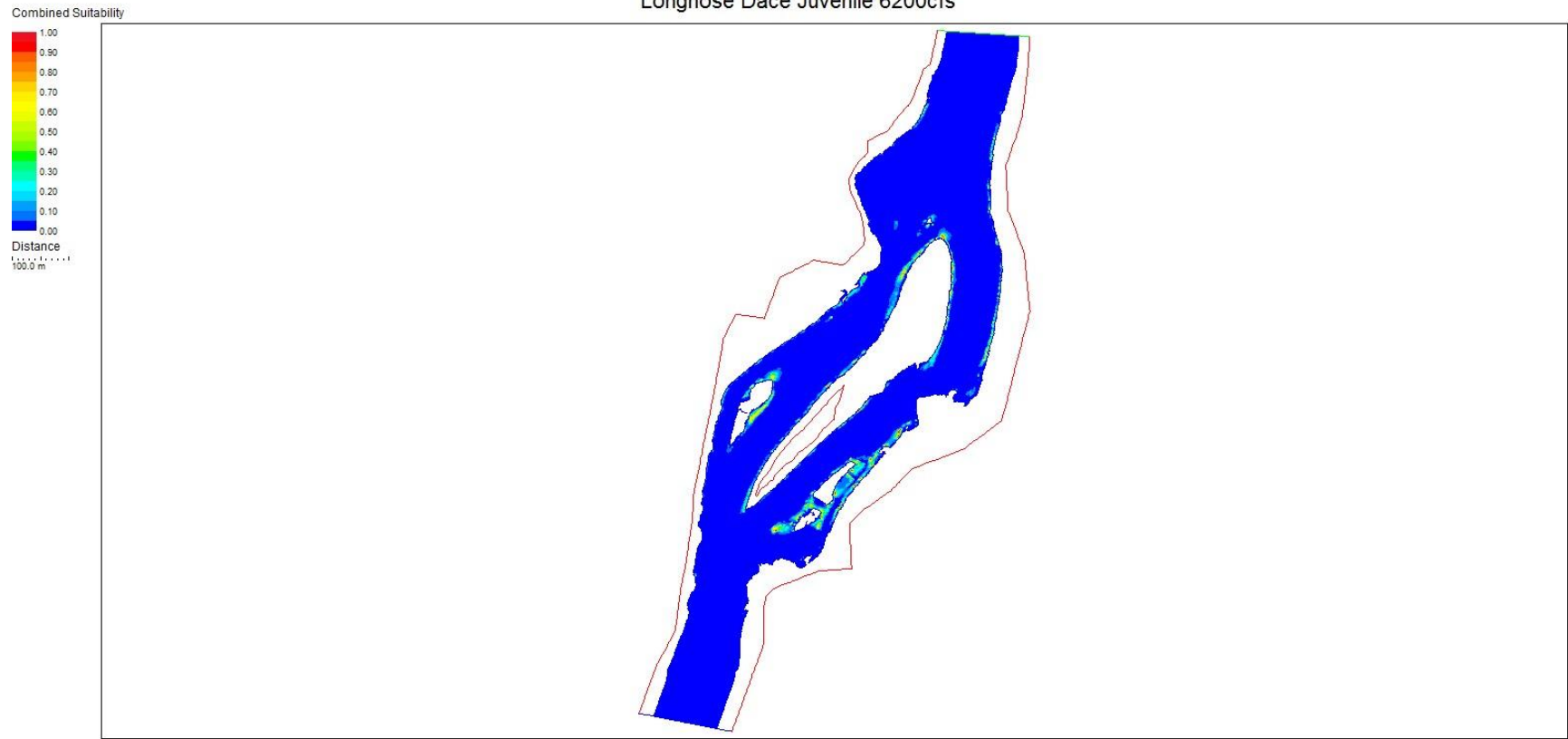




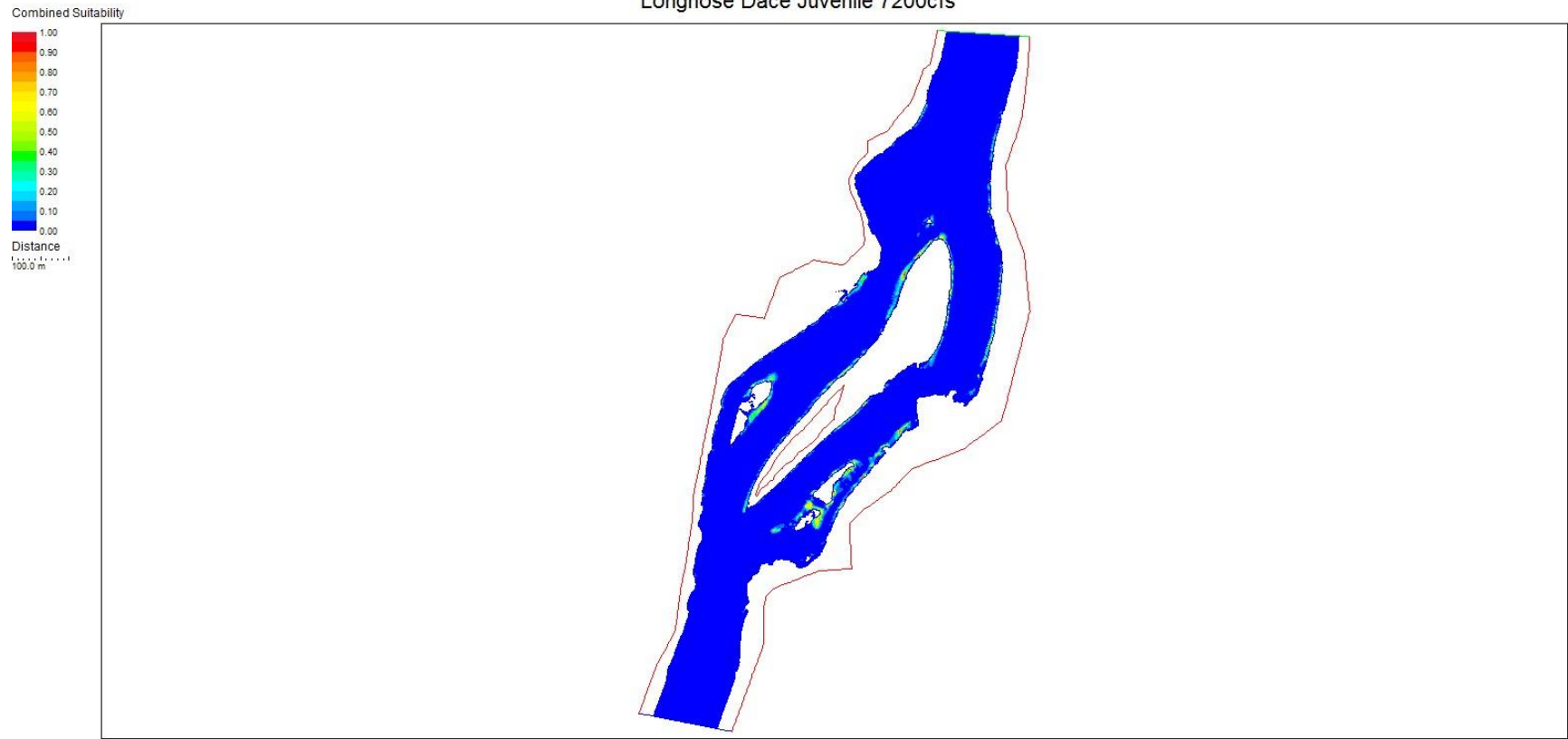
Longnose Dace Juvenile 5200cfs



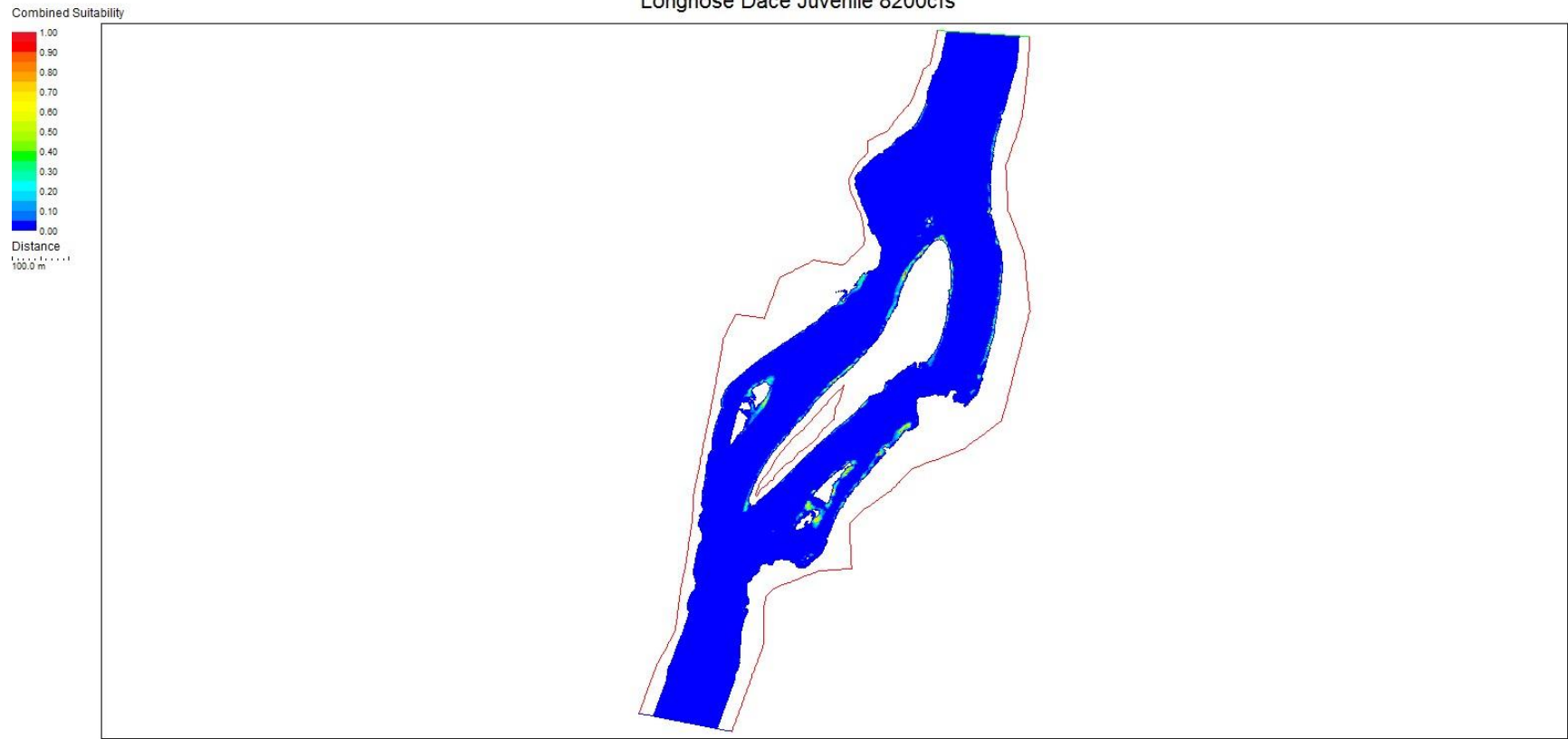
Longnose Dace Juvenile 6200cfs



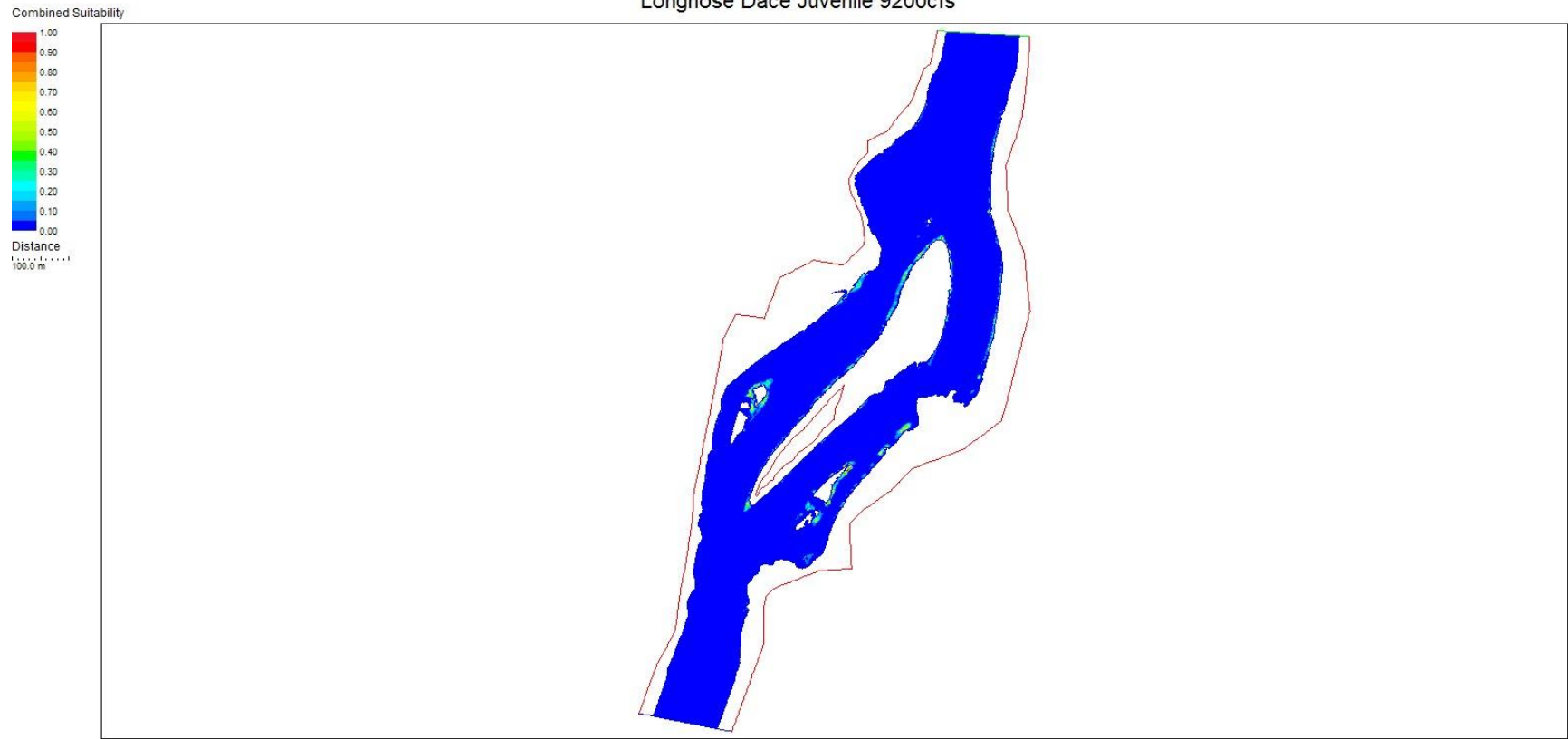
Longnose Dace Juvenile 7200cfs



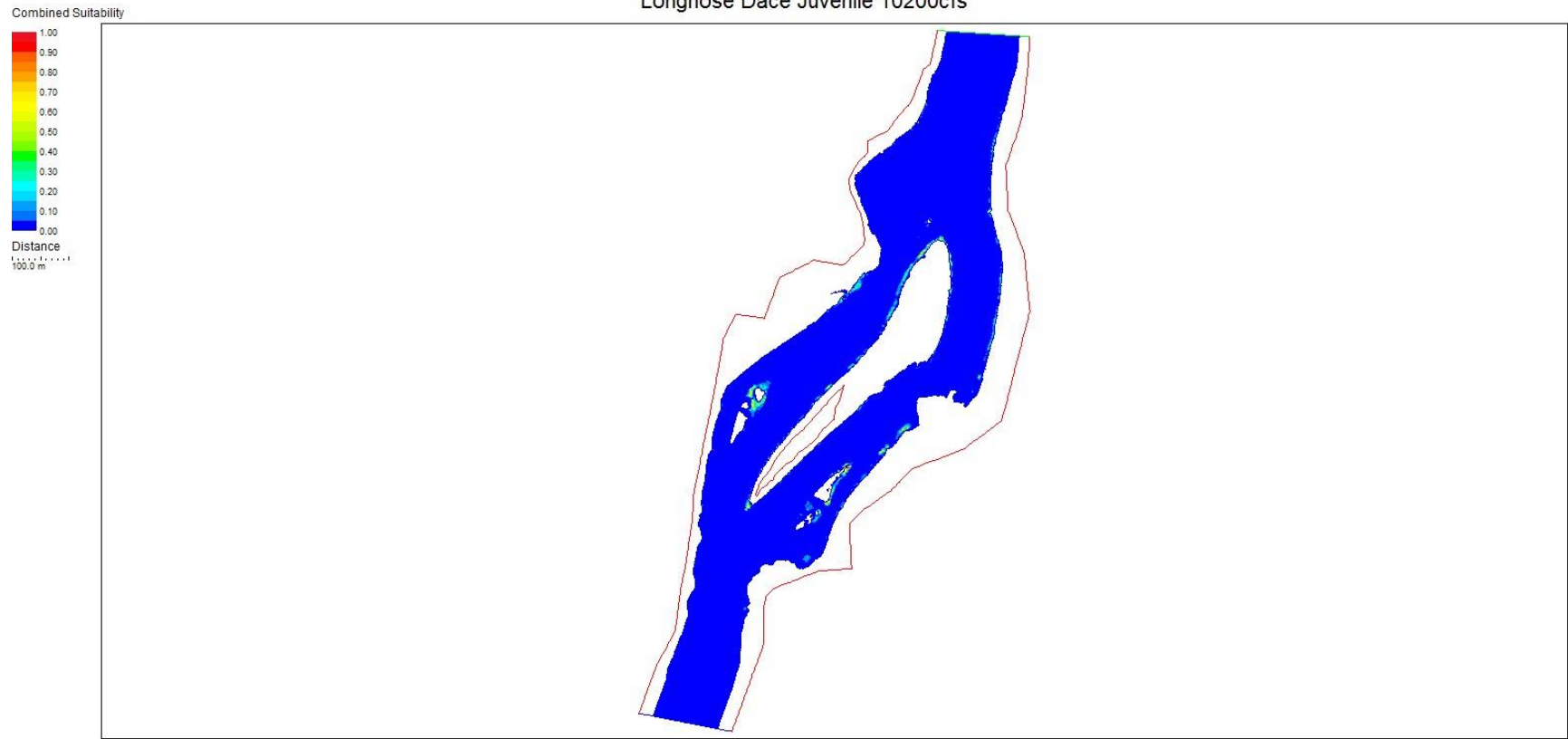
Longnose Dace Juvenile 8200cfs



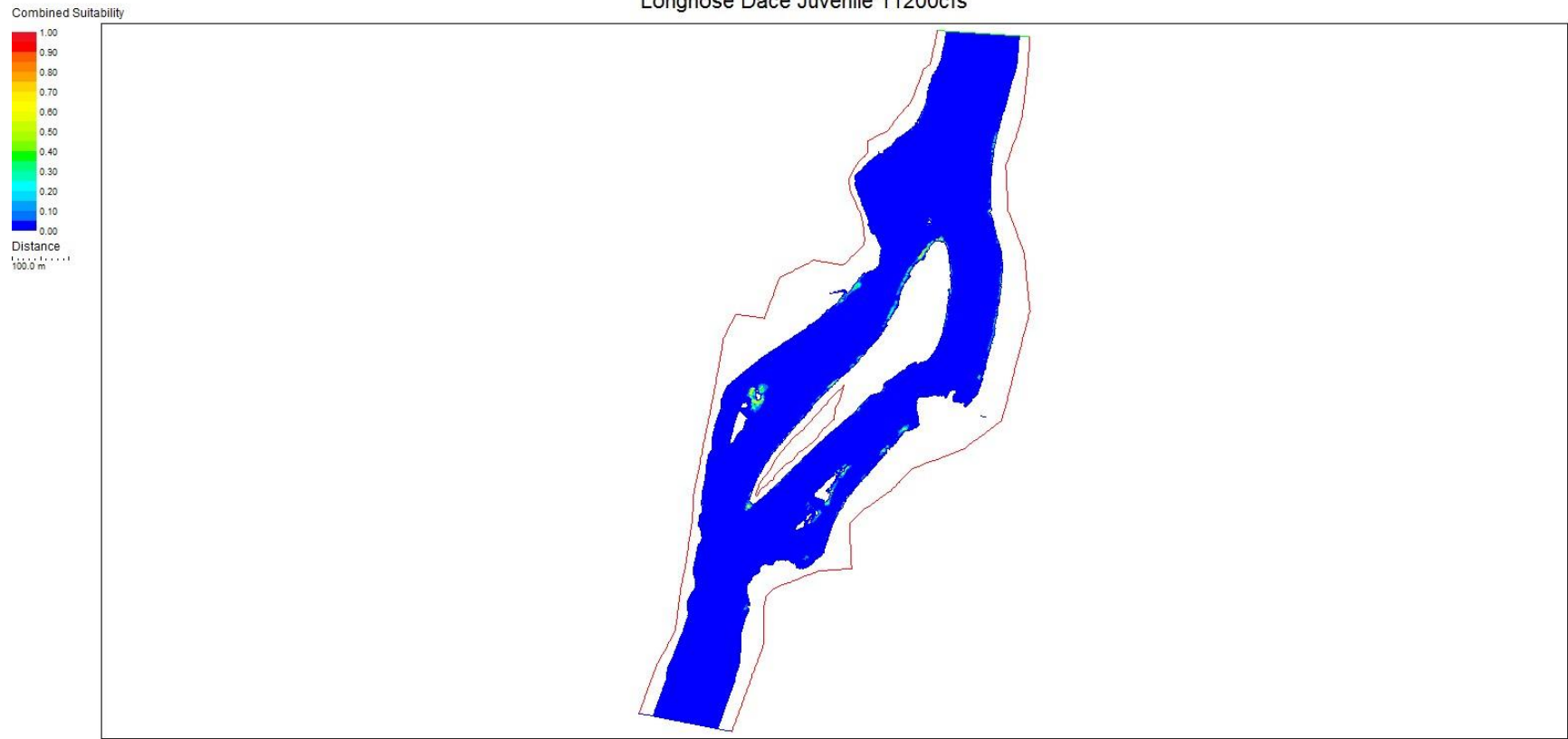
Longnose Dace Juvenile 9200cfs



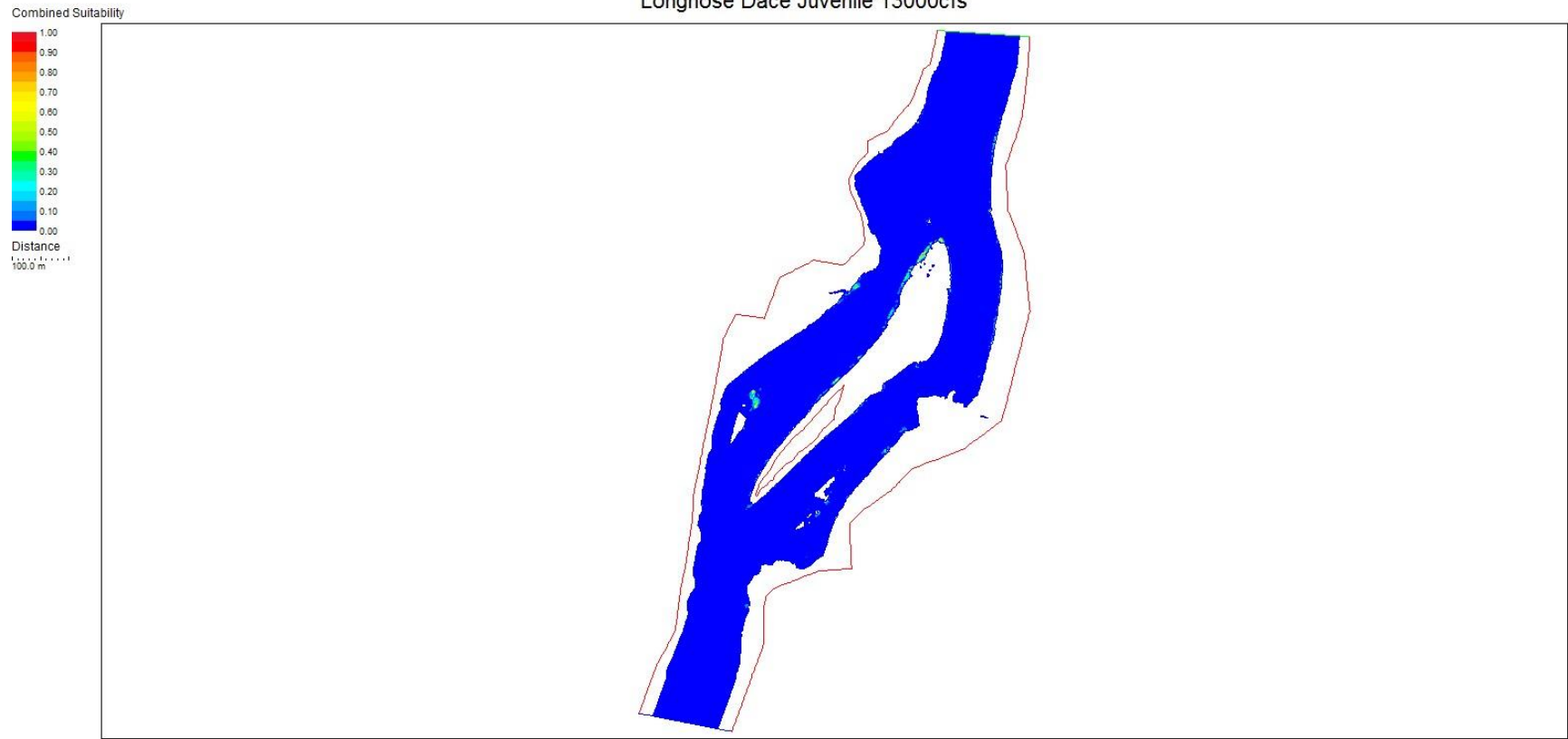
Longnose Dace Juvenile 10200cfs



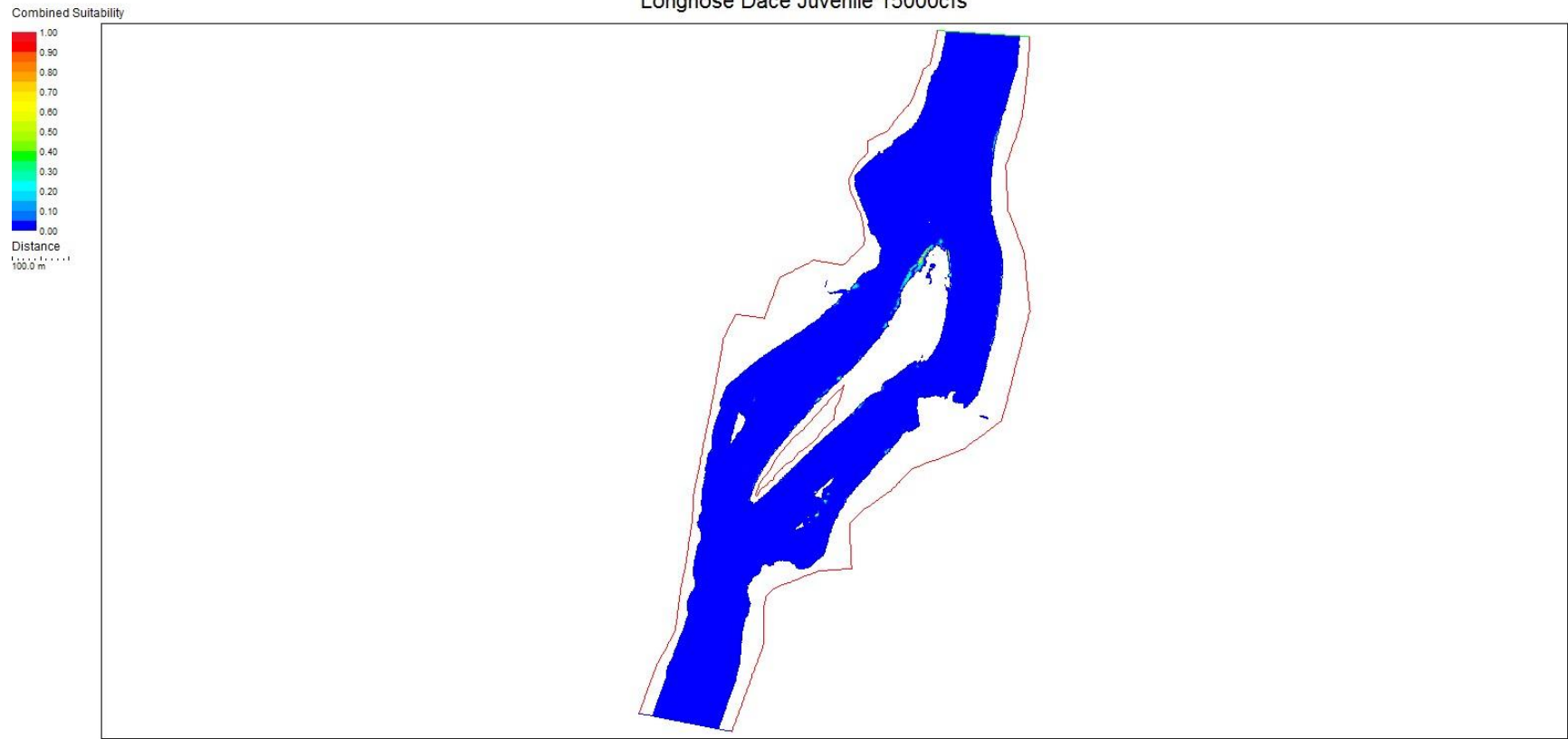
Longnose Dace Juvenile 11200cfs



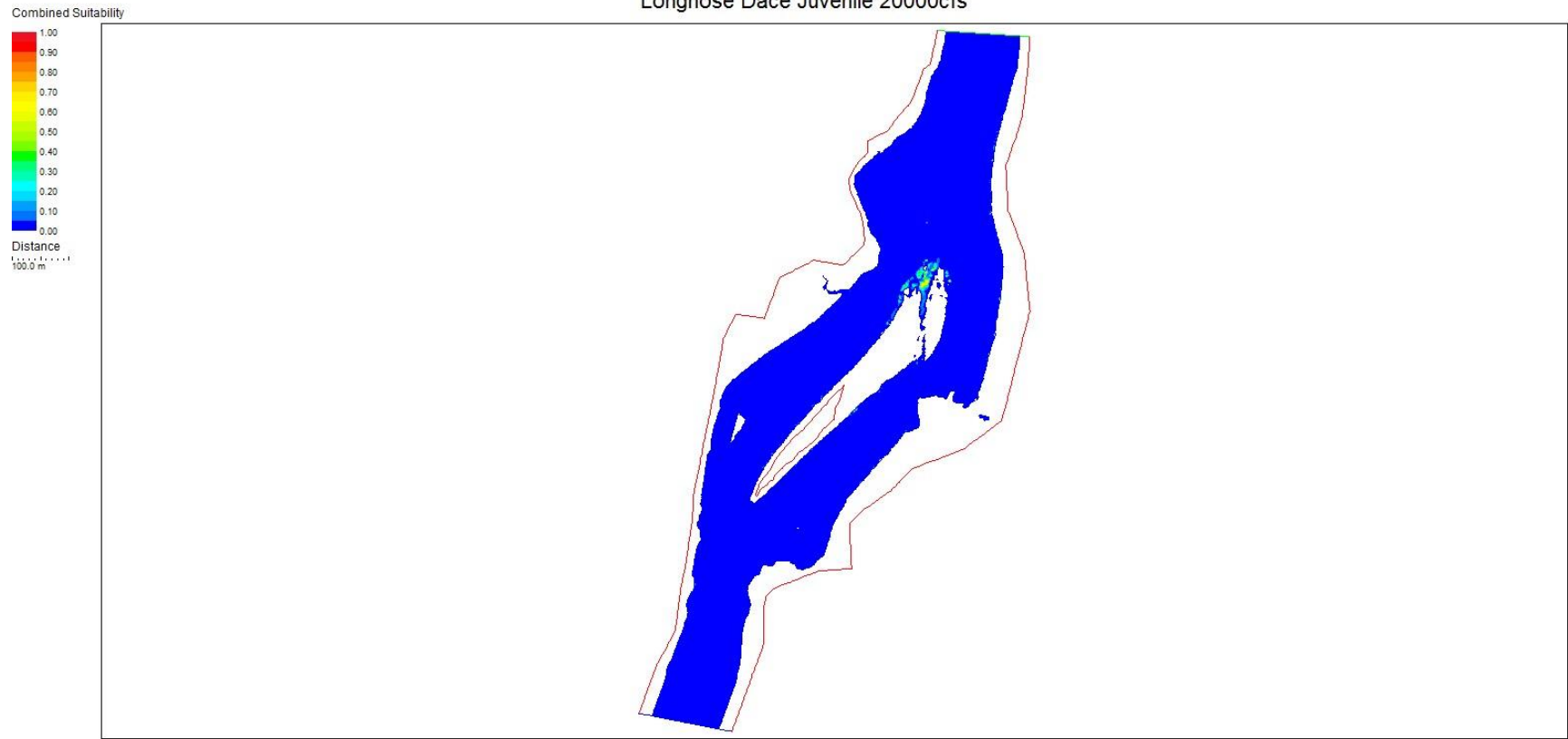
Longnose Dace Juvenile 13000cfs



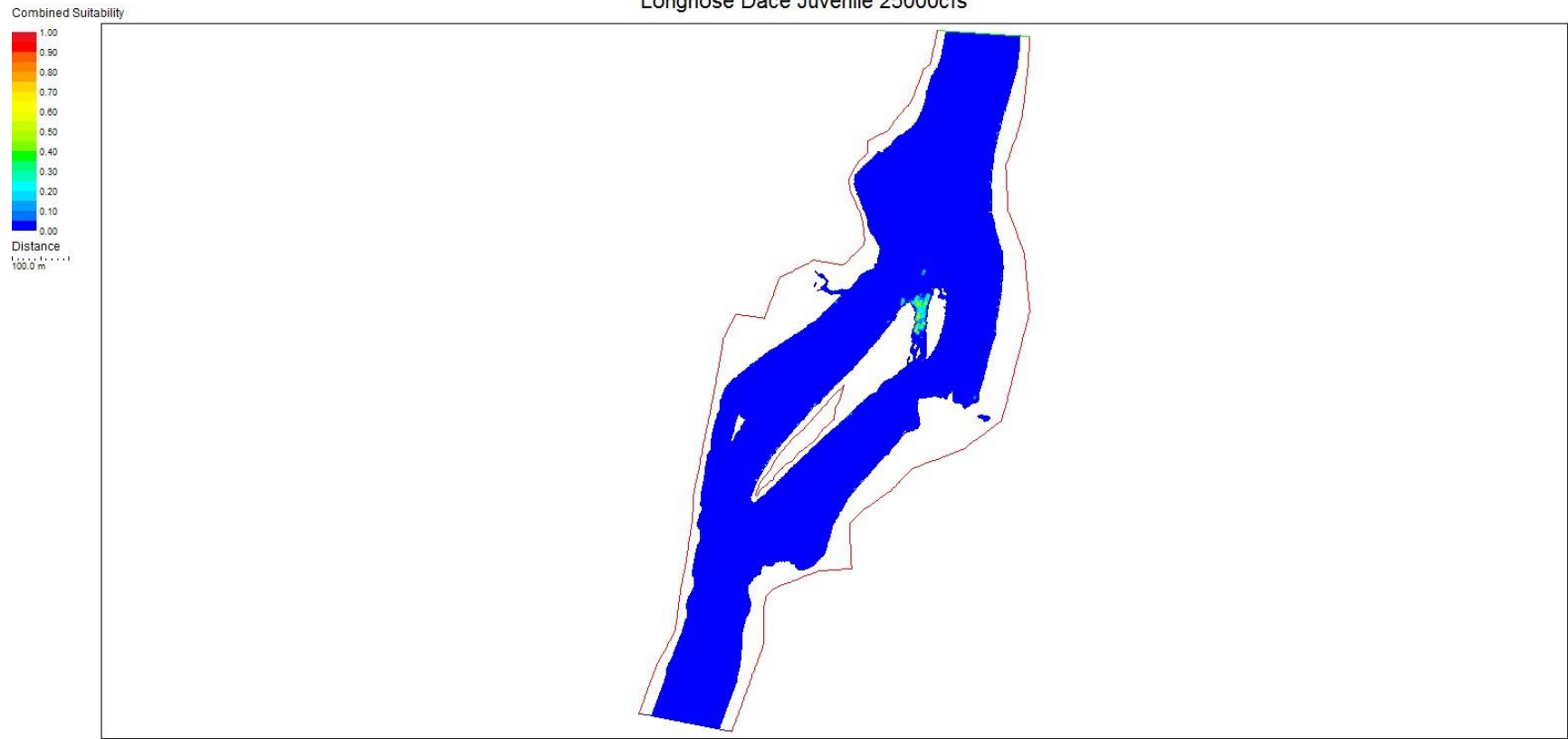
Longnose Dace Juvenile 15000cfs

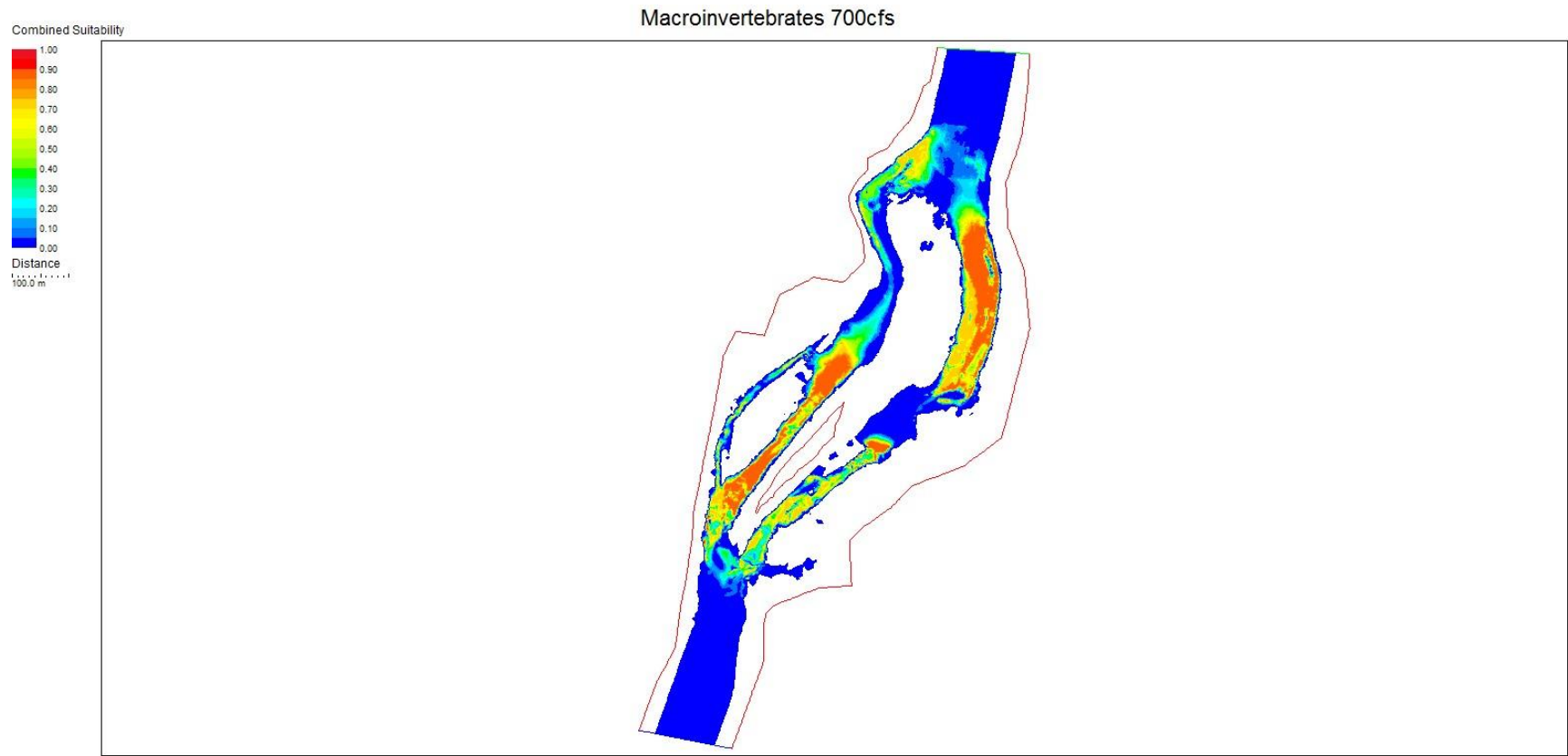


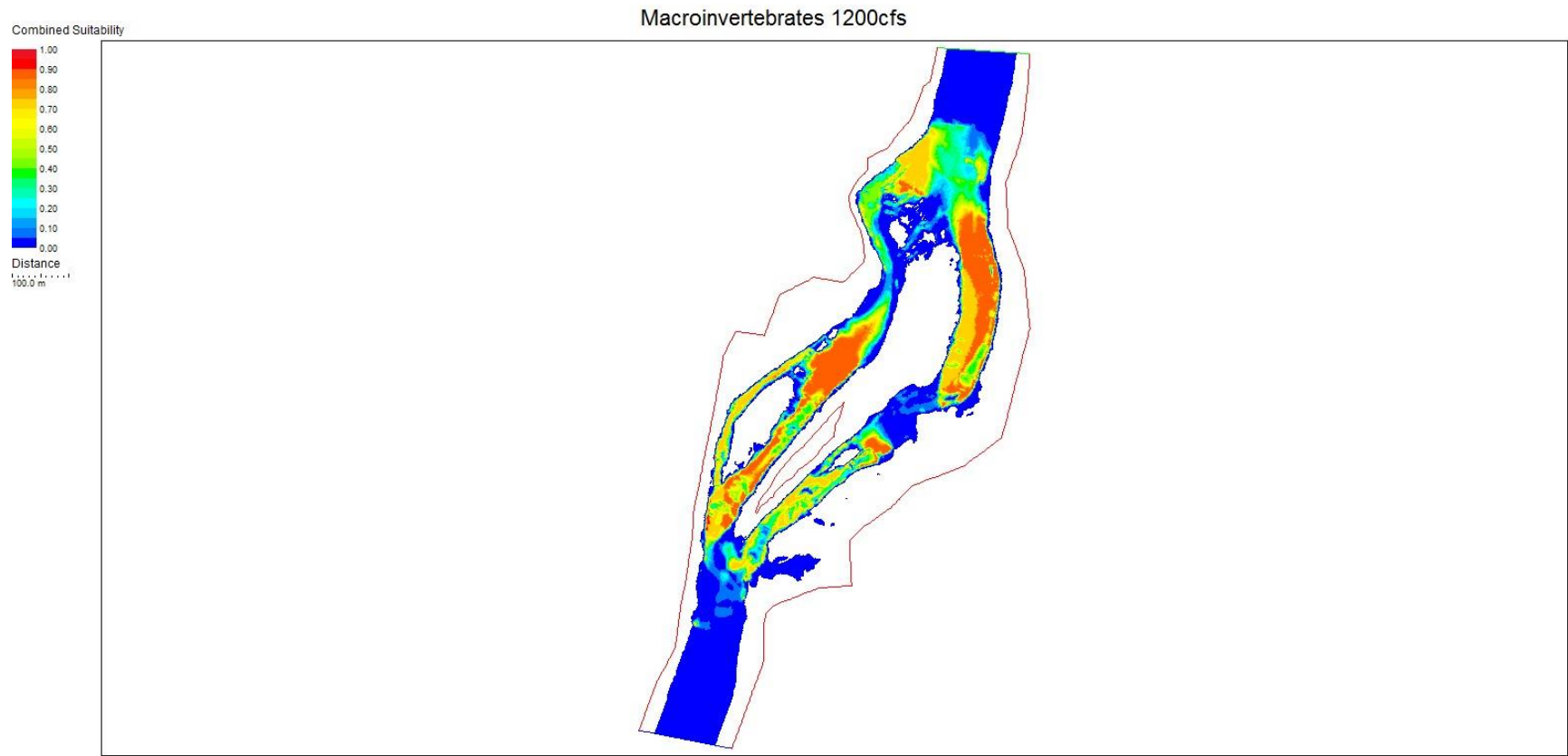
Longnose Dace Juvenile 20000cfs

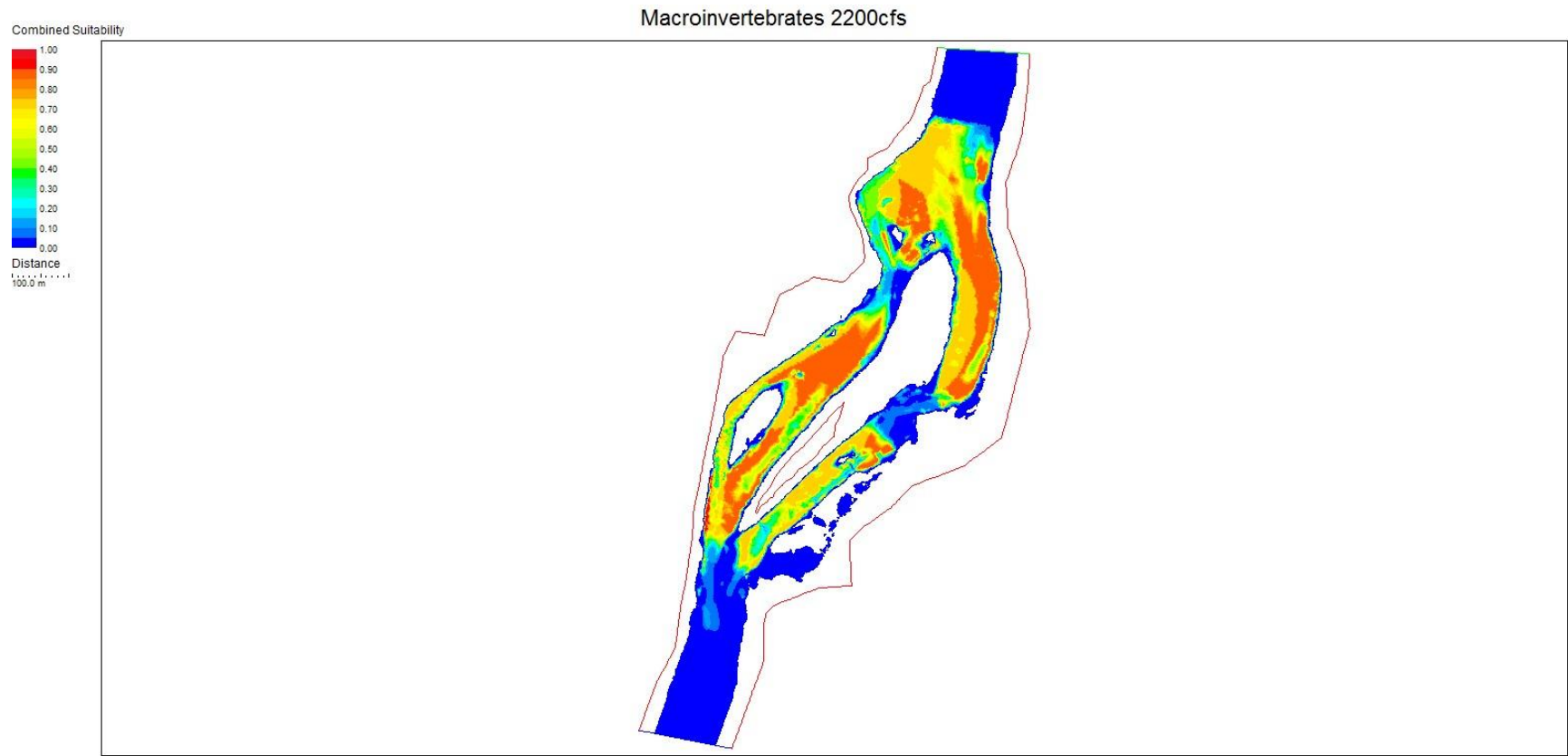


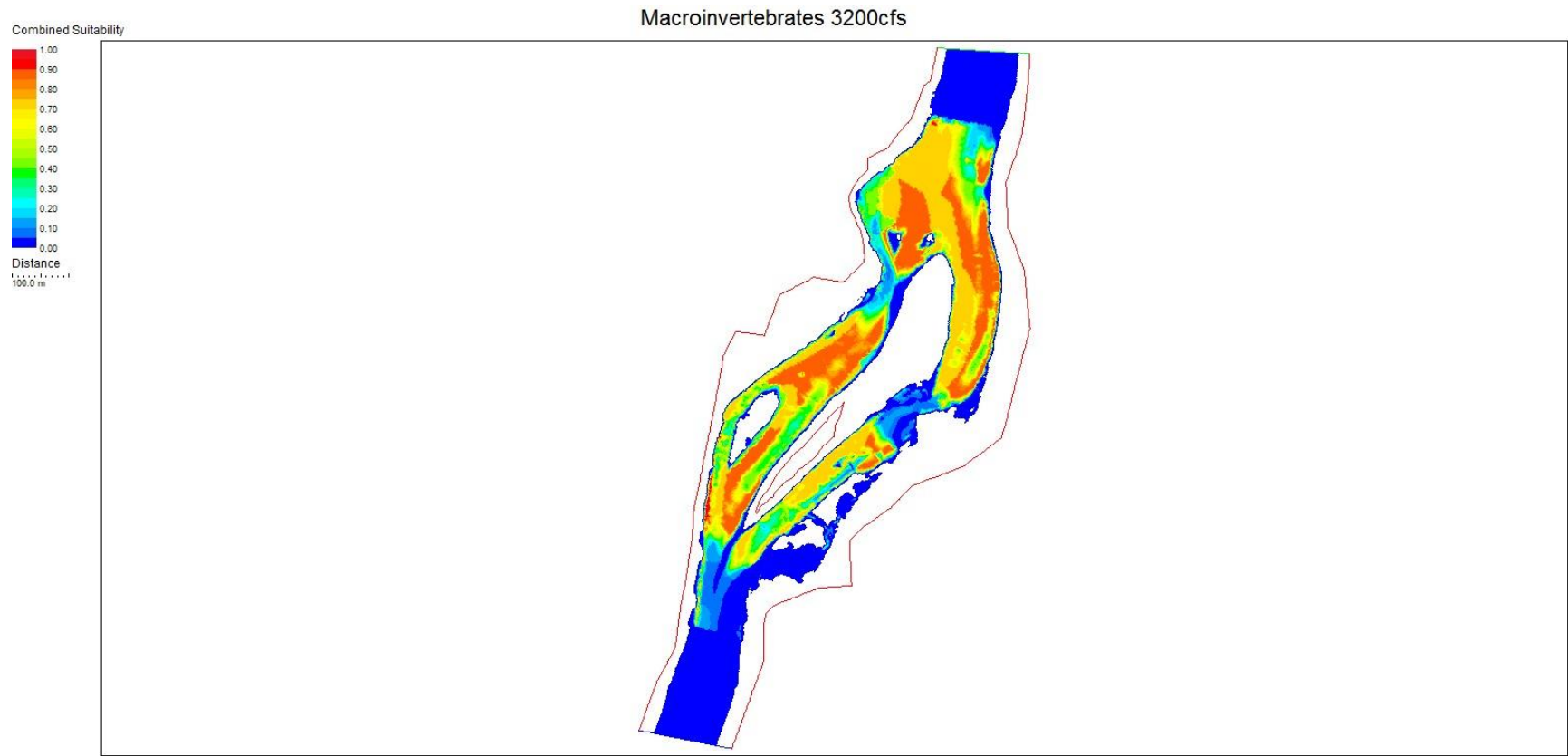
Longnose Dace Juvenile 25000cfs

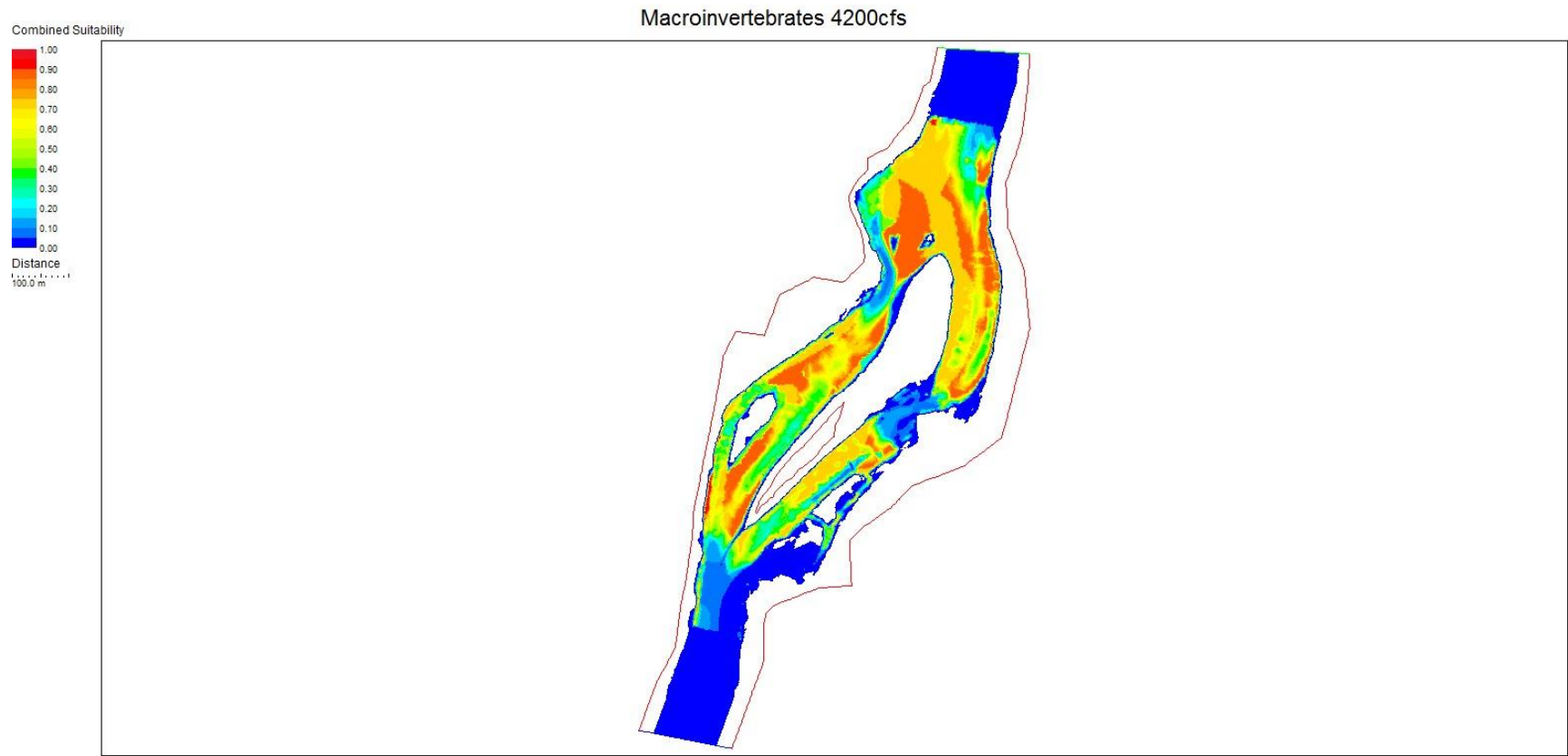


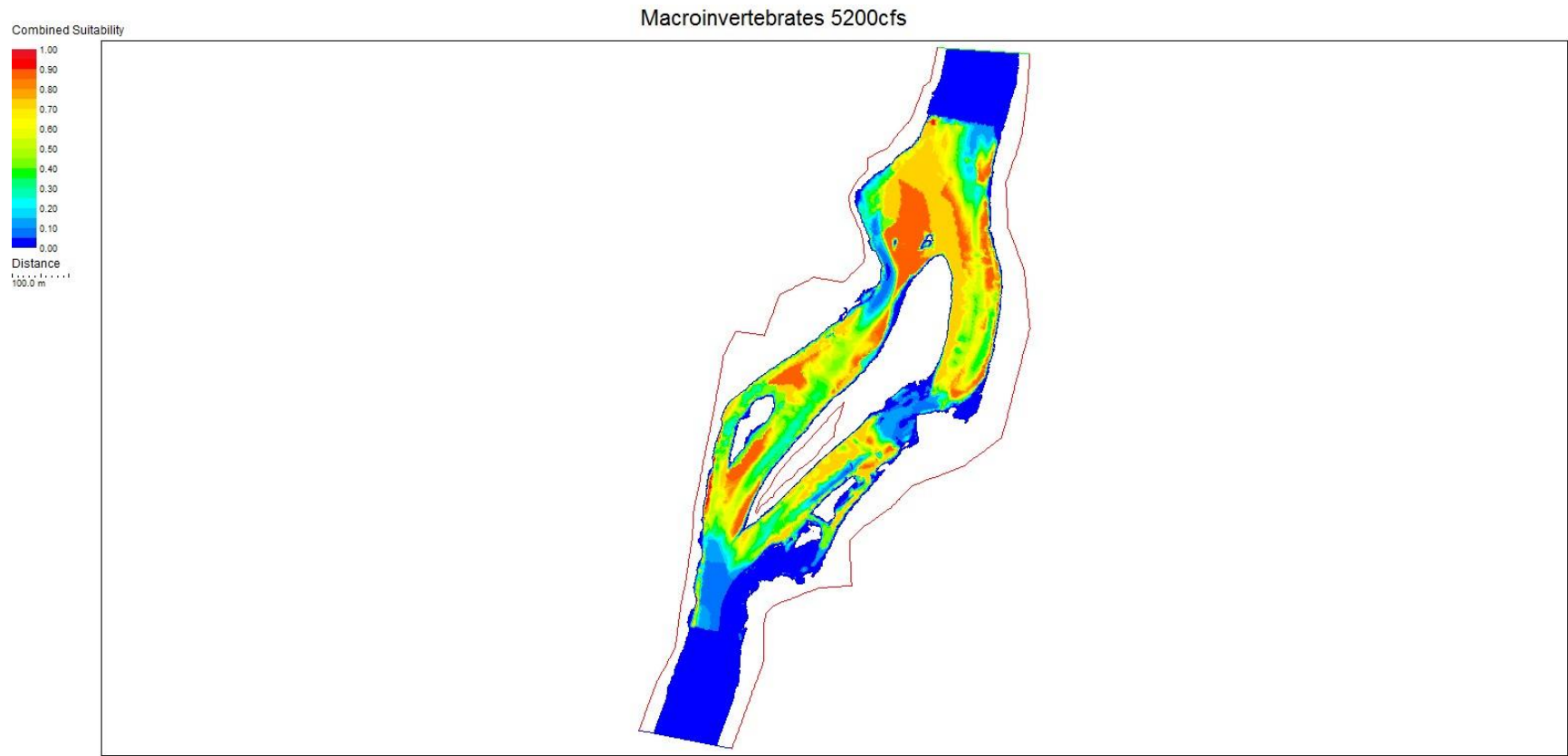


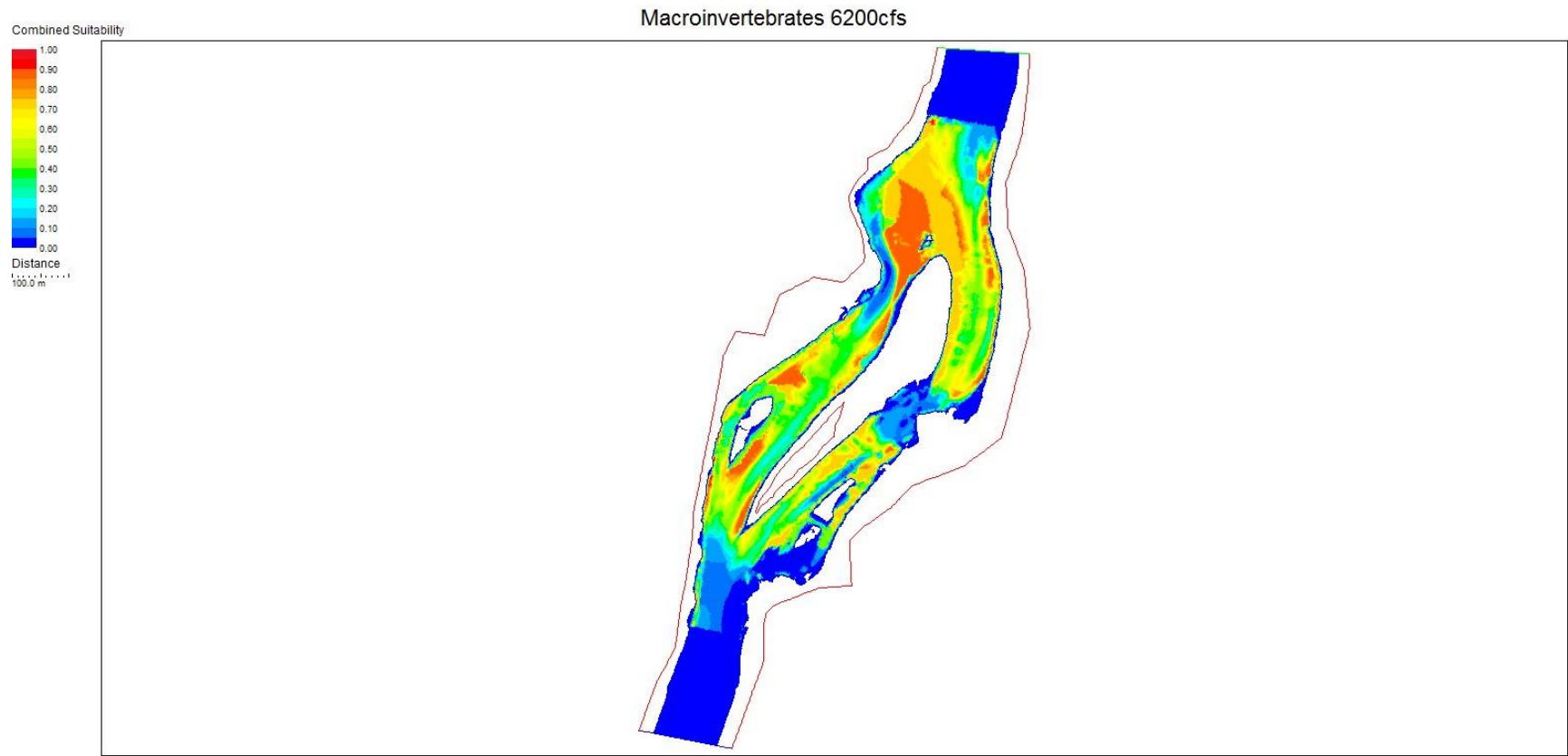


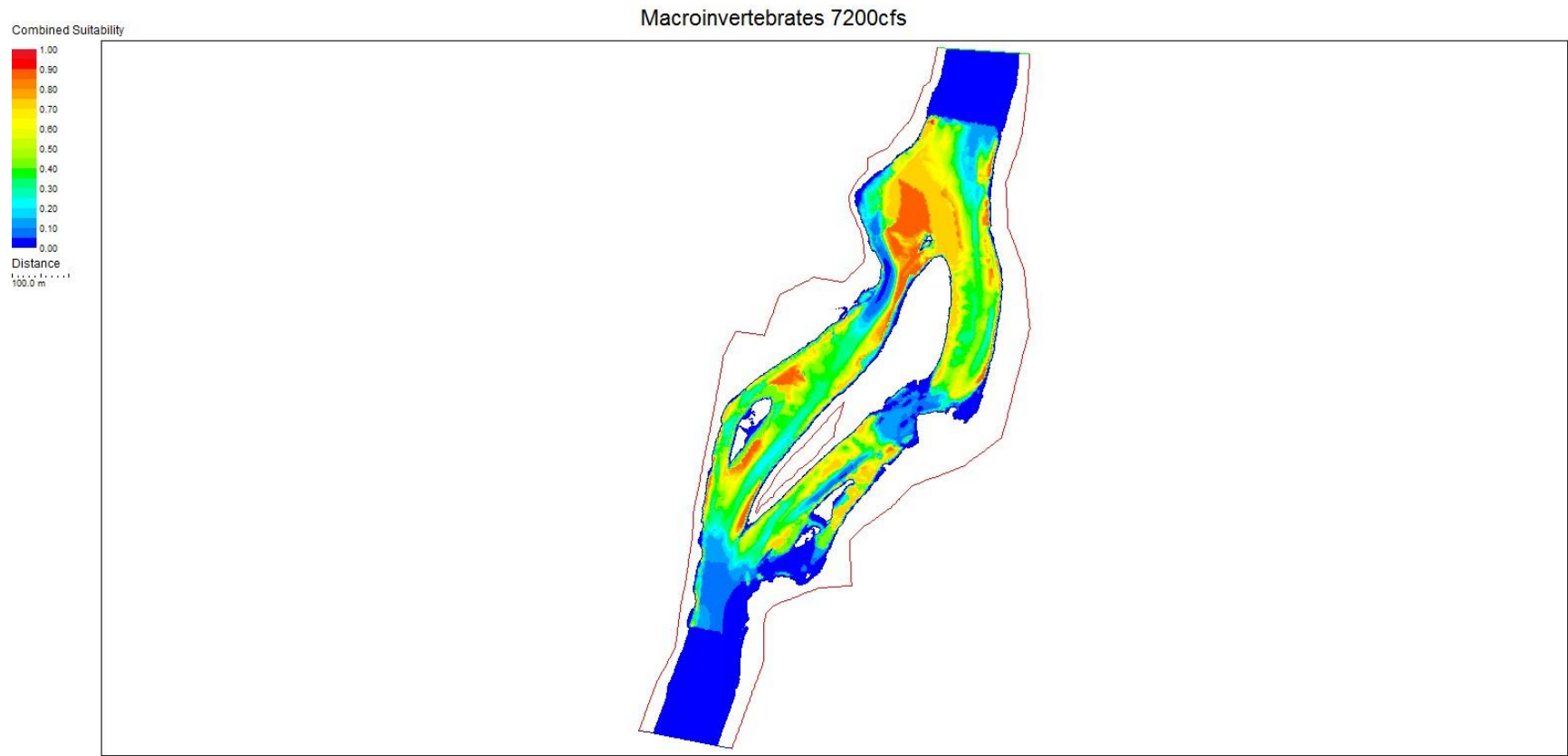


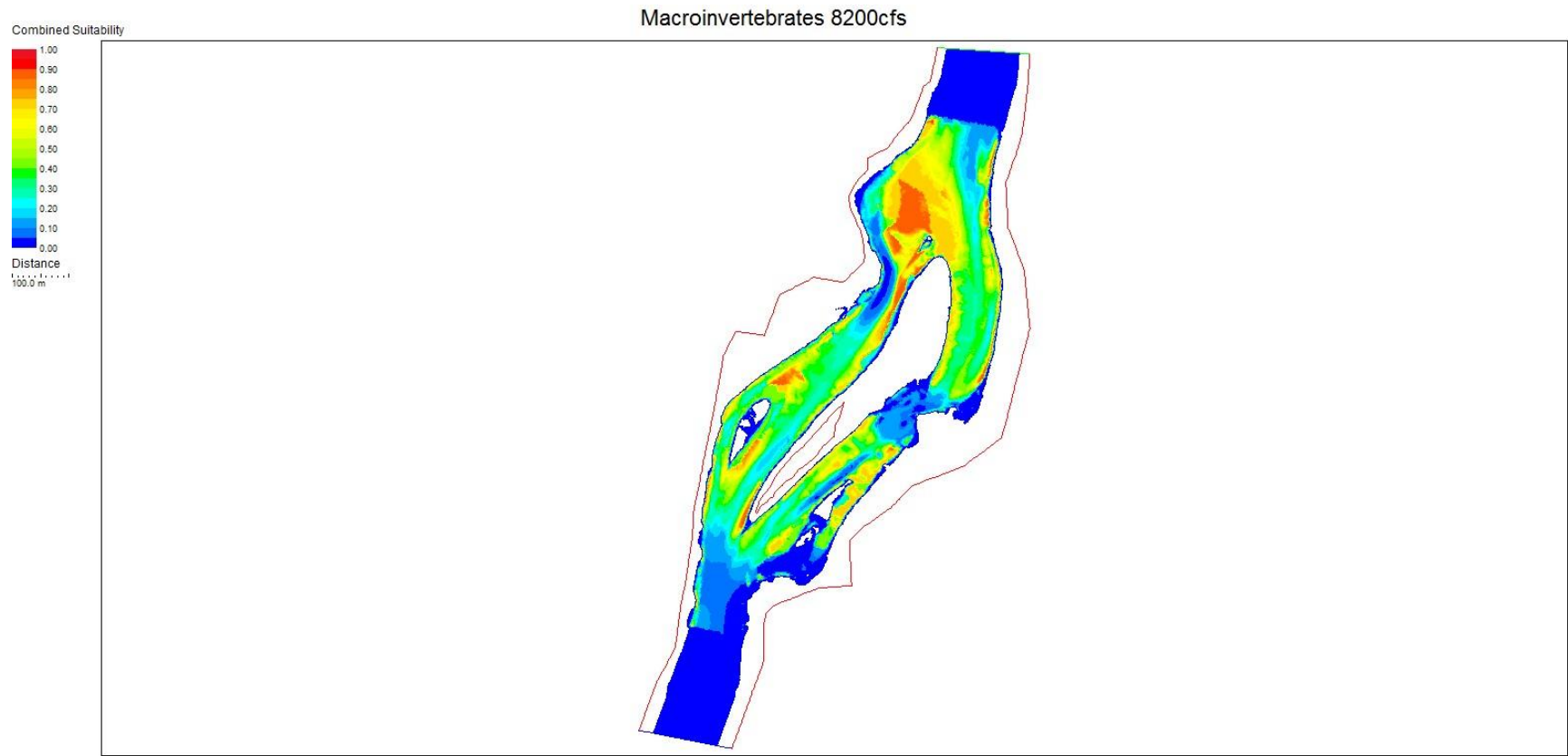


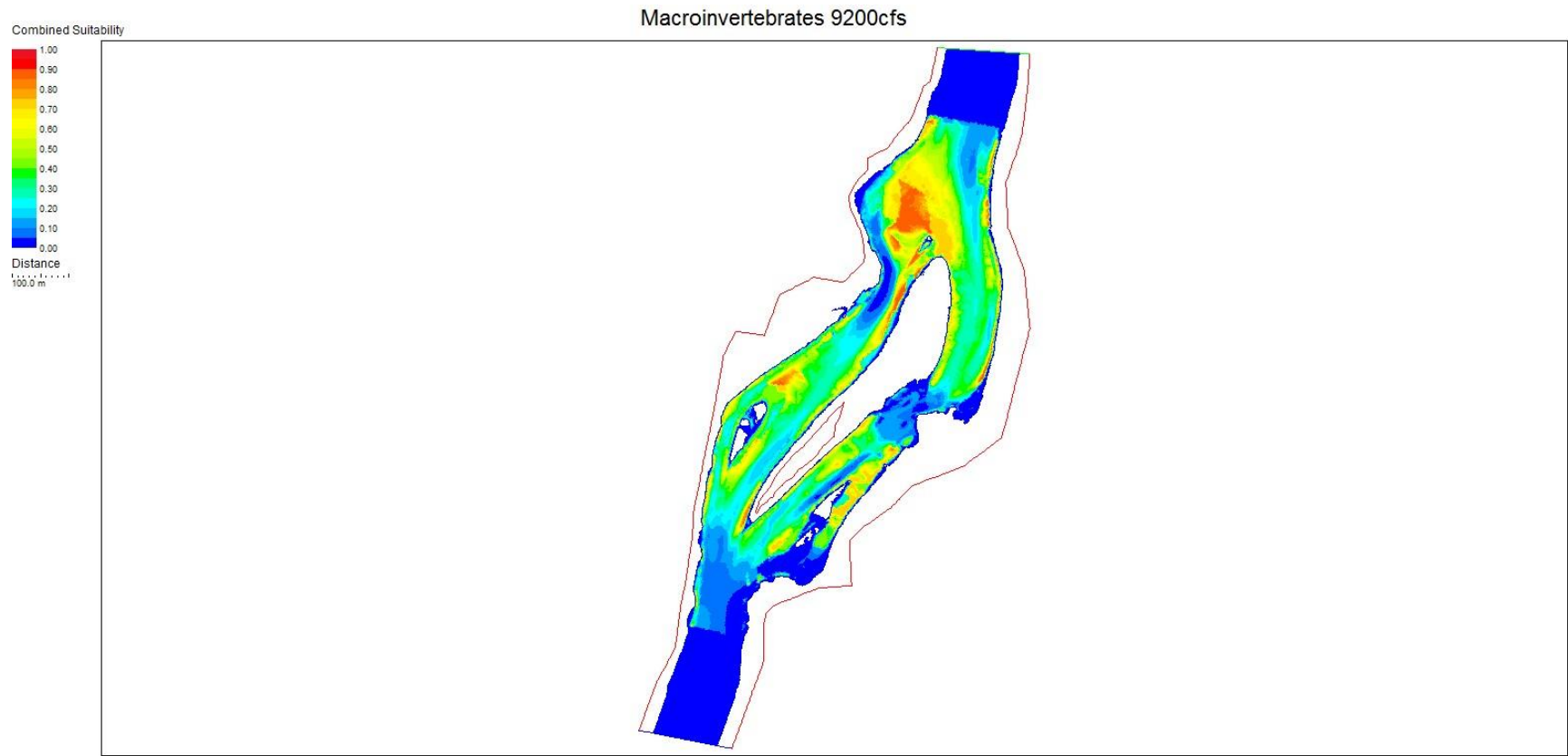


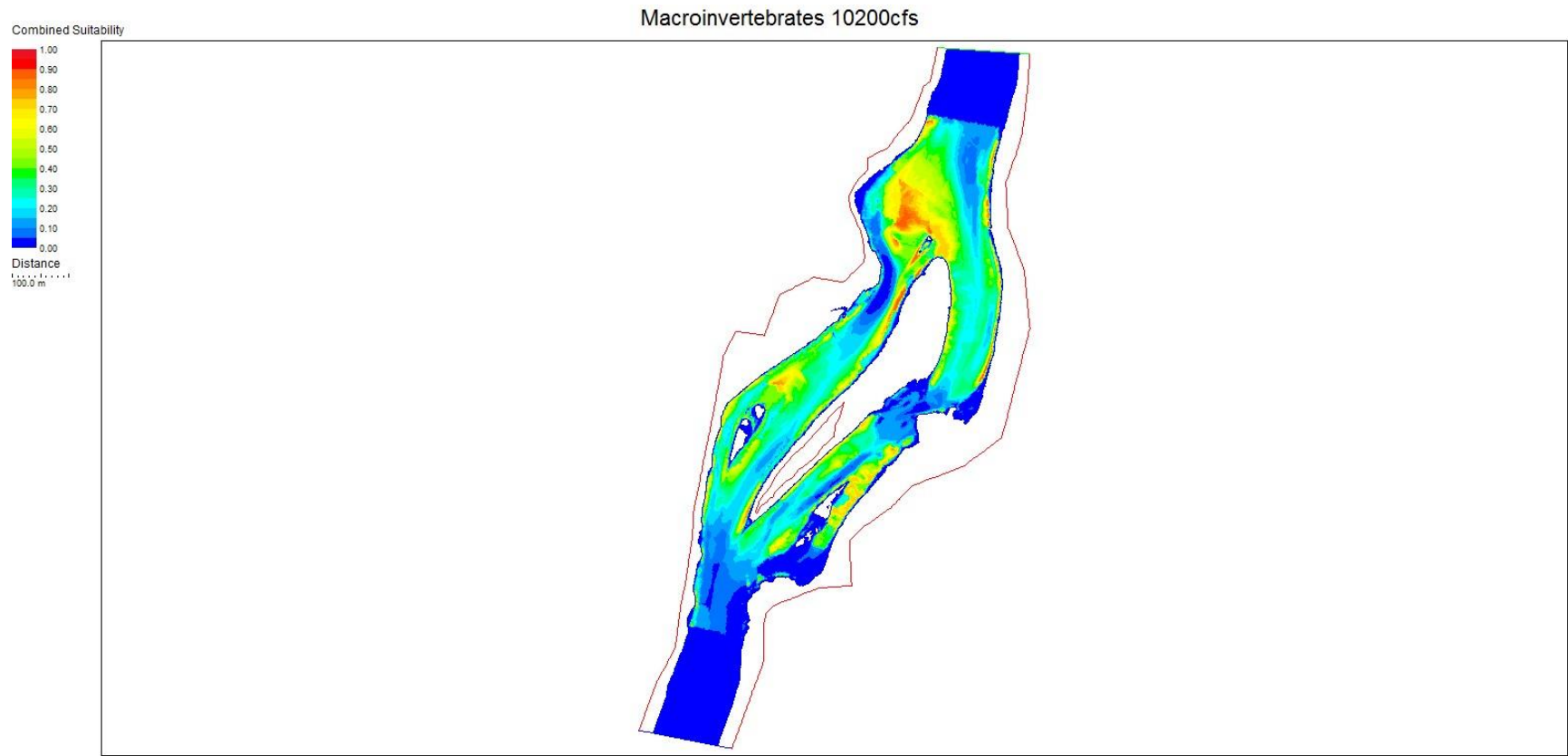


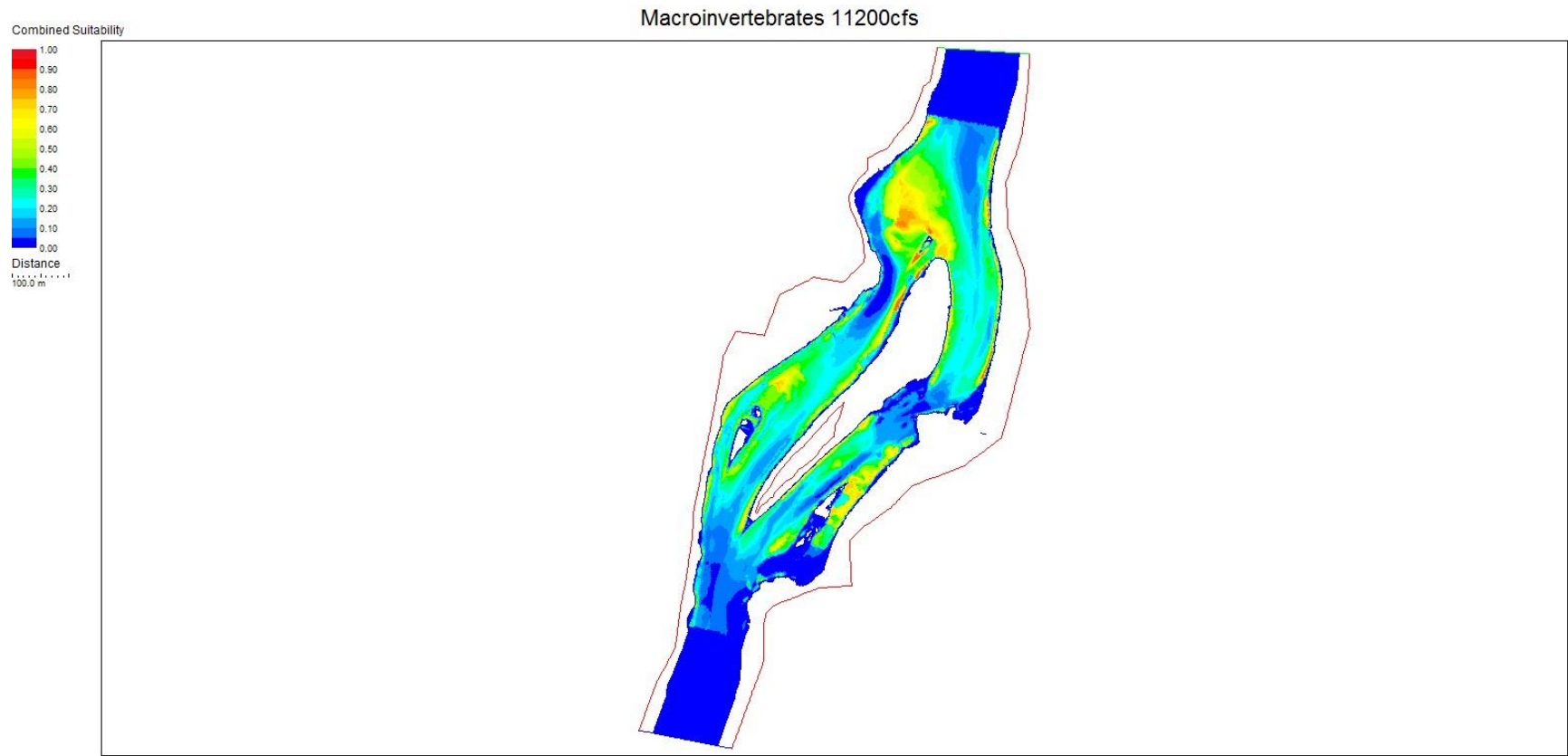


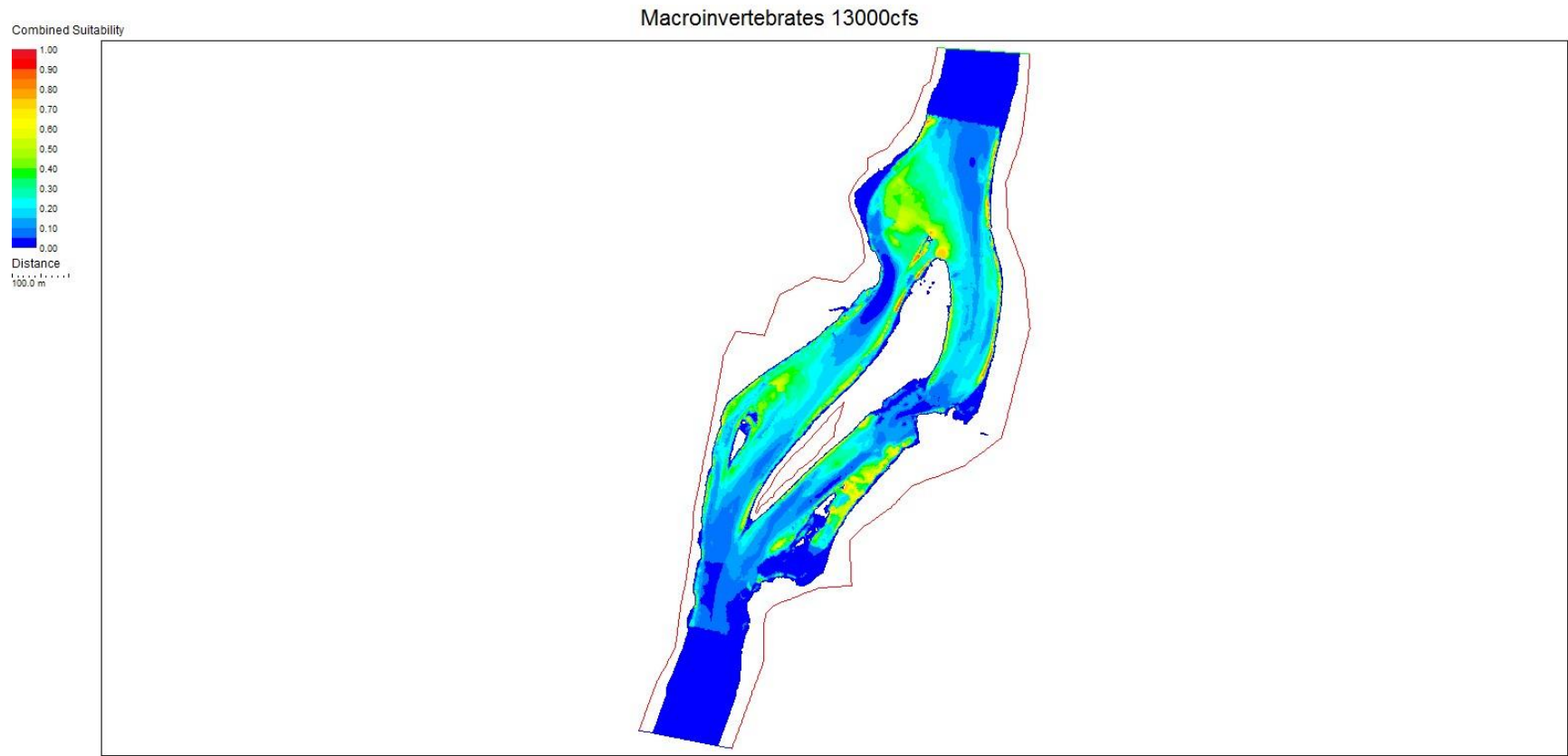


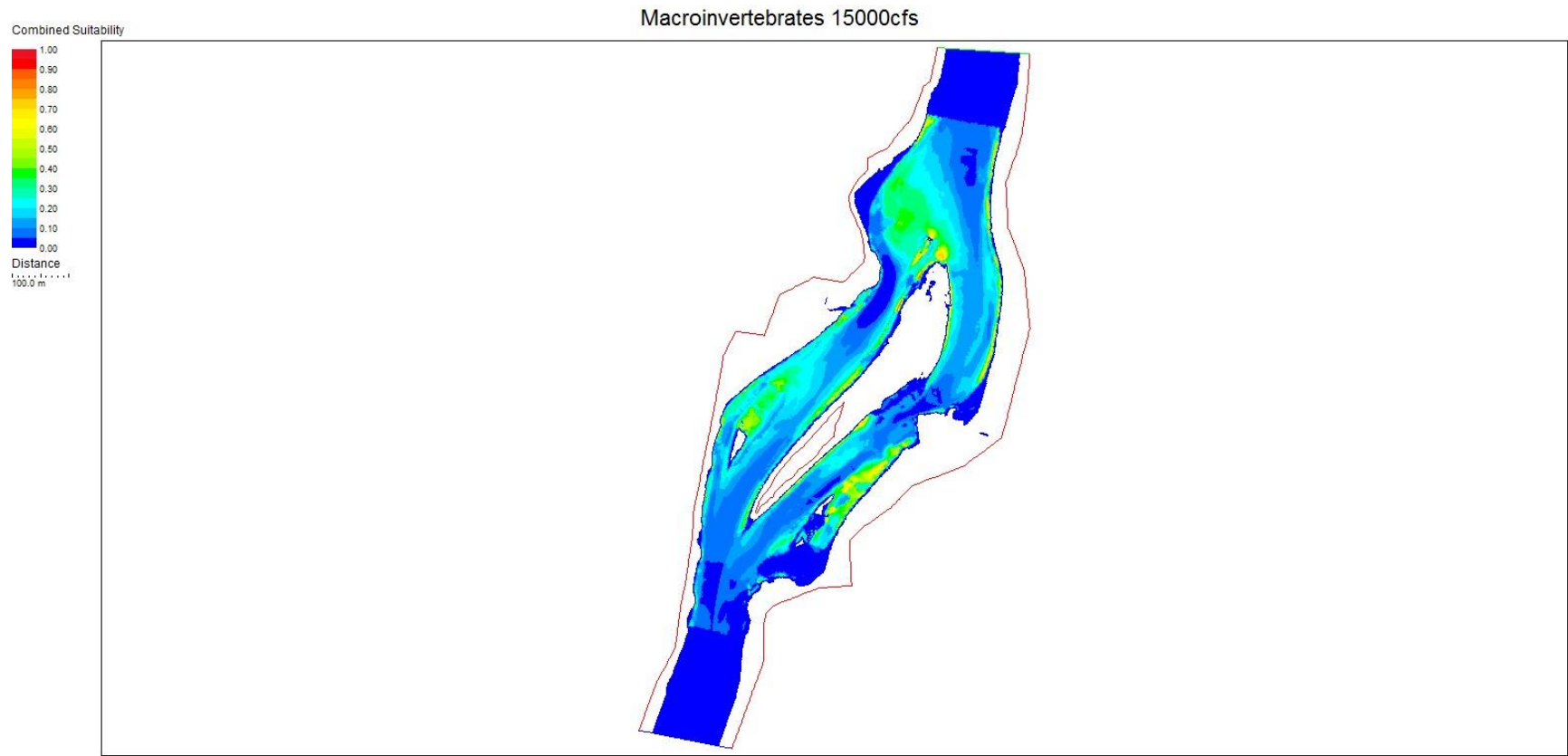




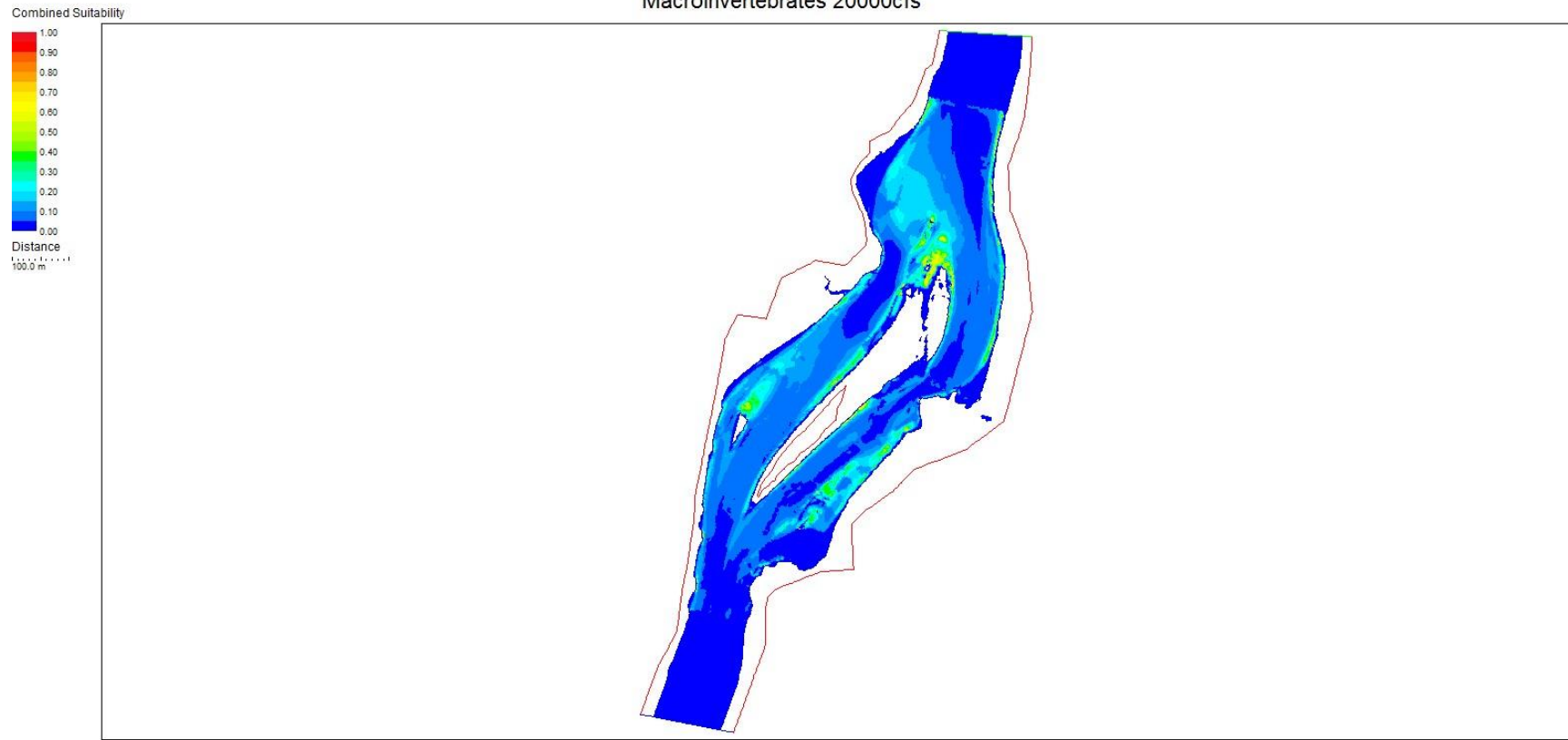


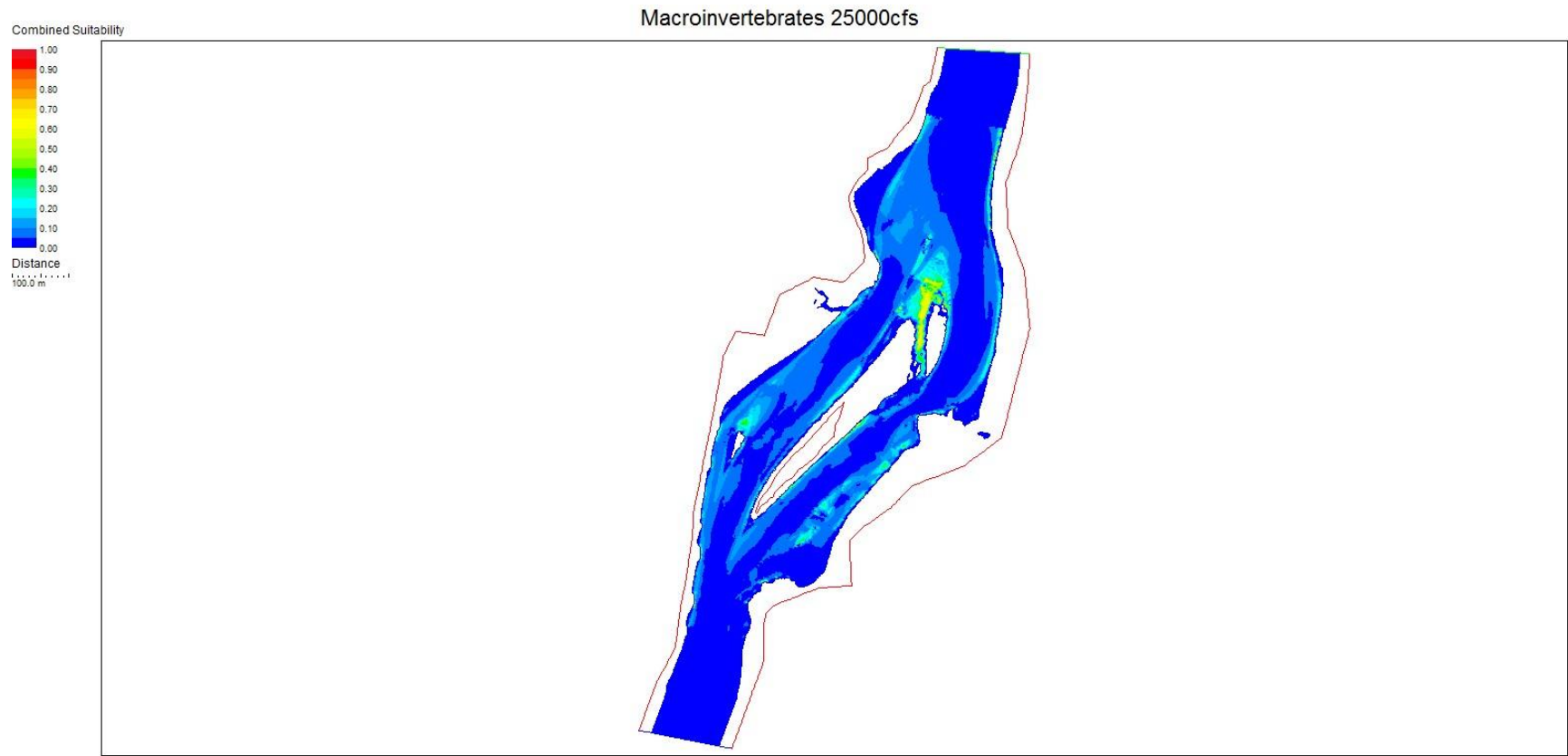




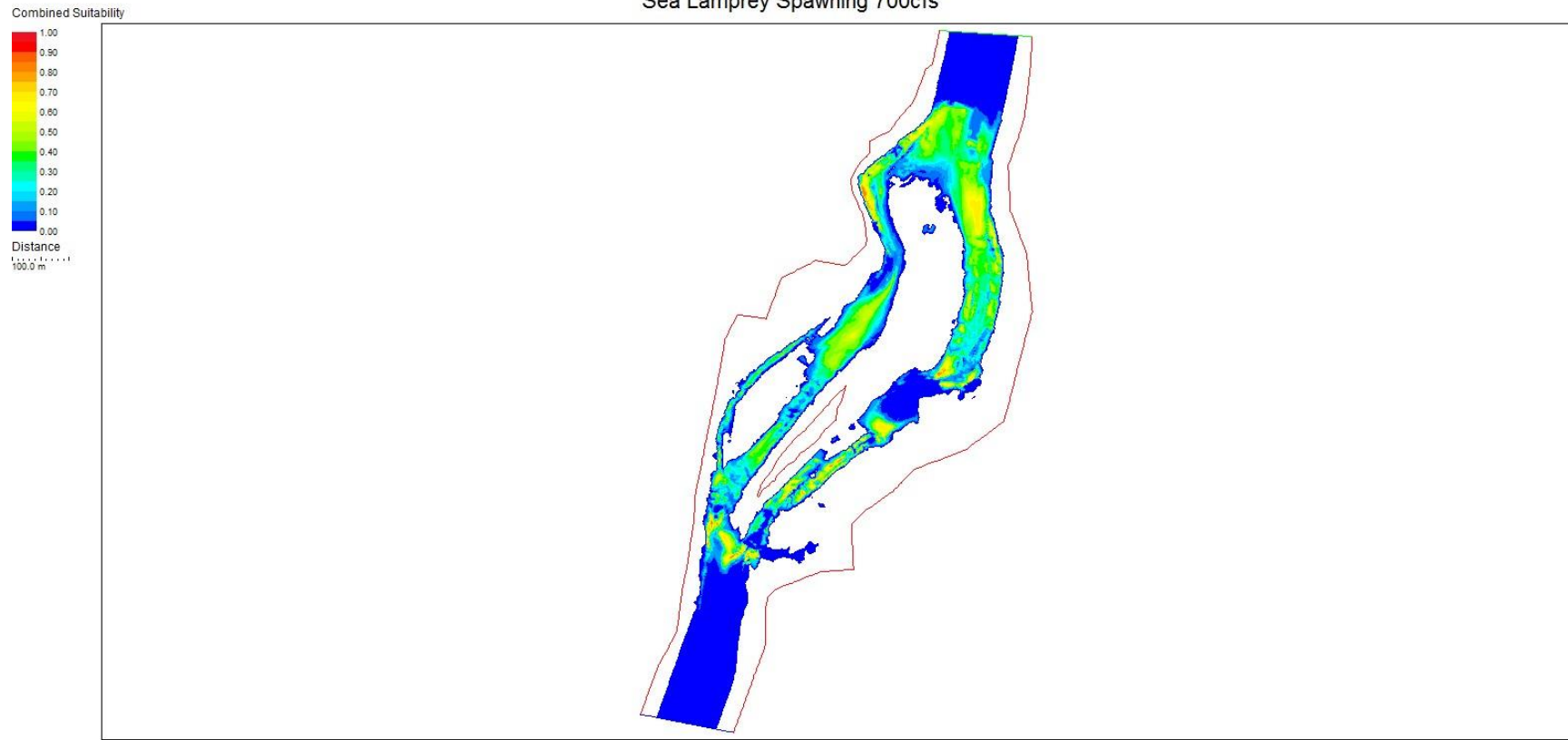


Macroinvertebrates 20000cfs

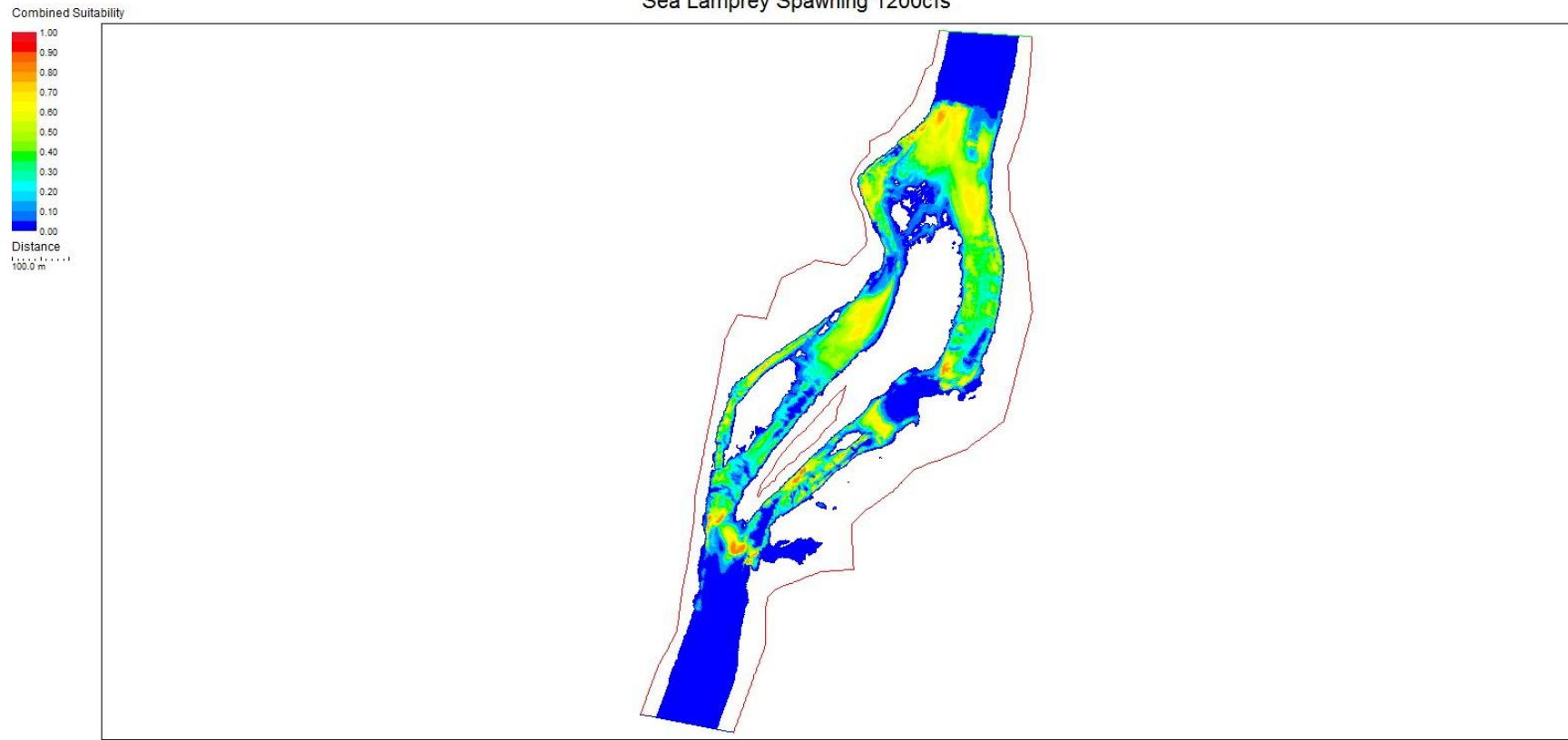




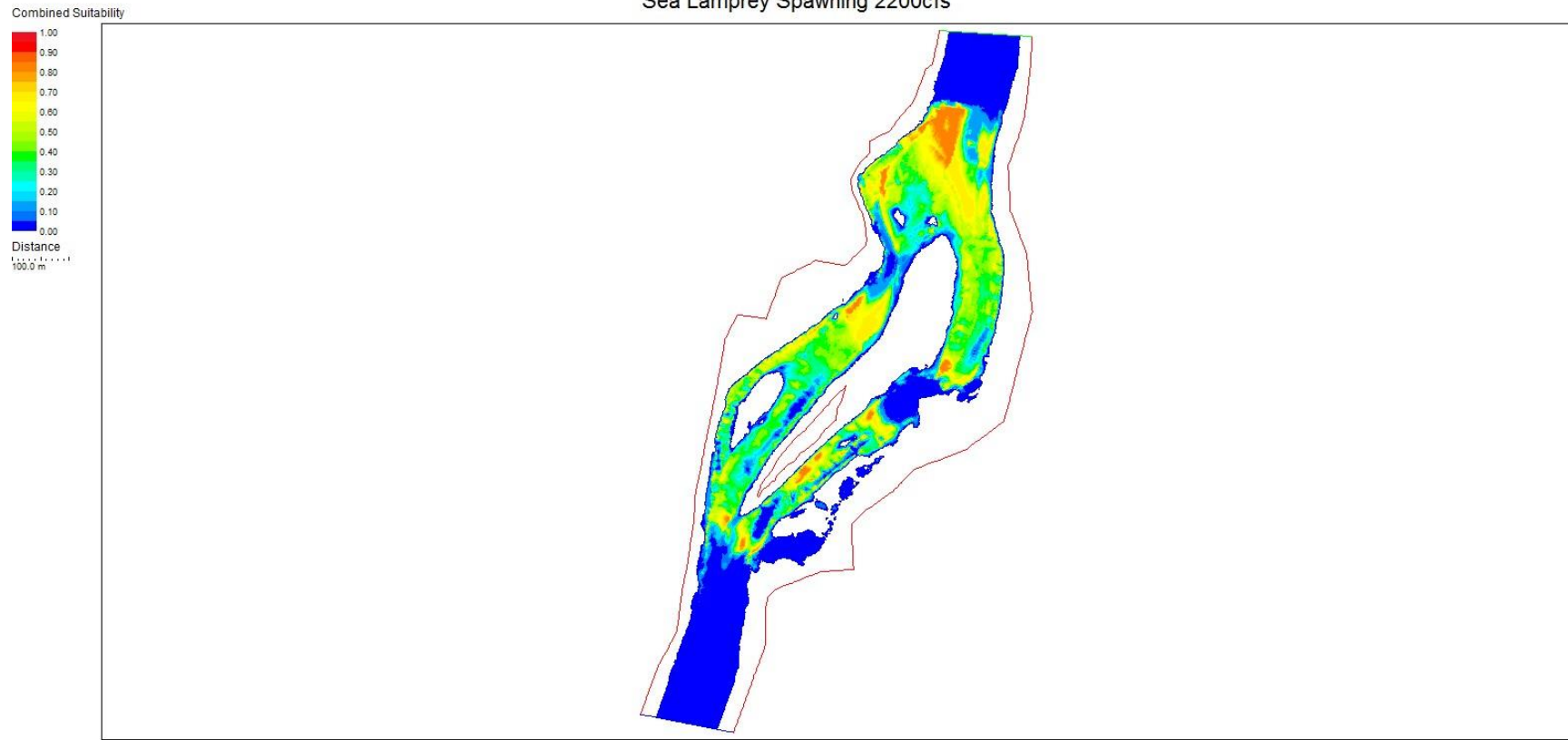
Sea Lamprey Spawning 700cfs



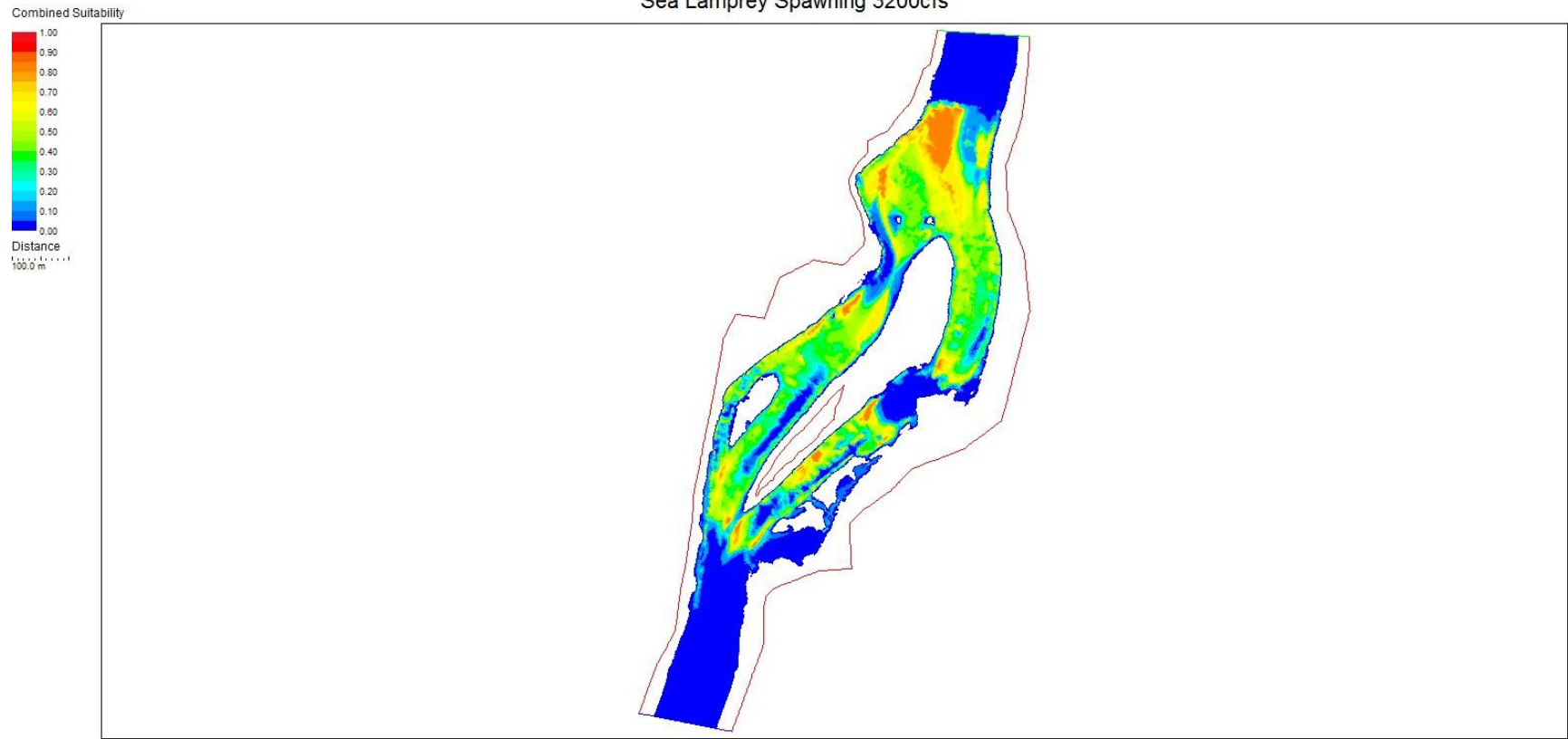
Sea Lamprey Spawning 1200cfs



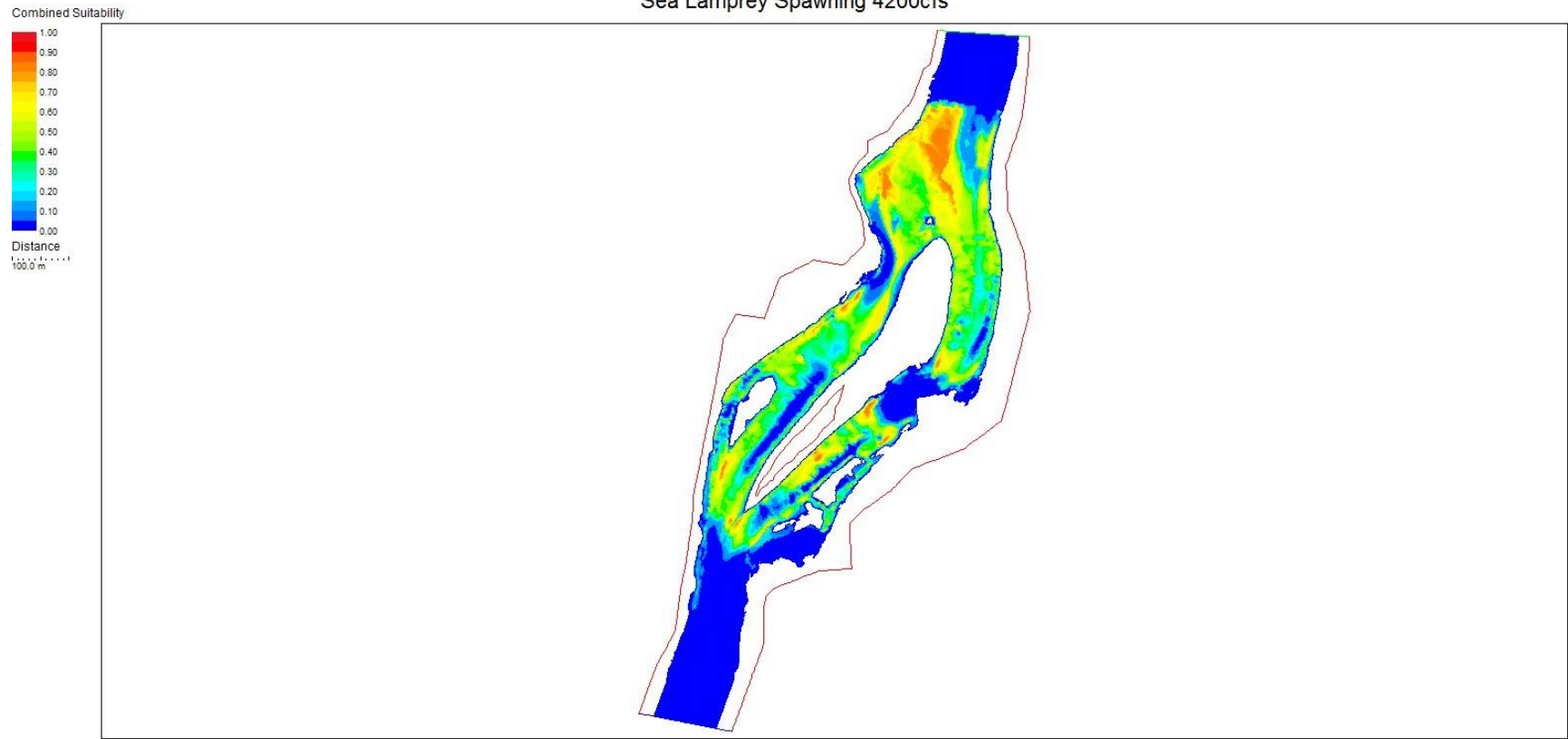
Sea Lamprey Spawning 2200cfs



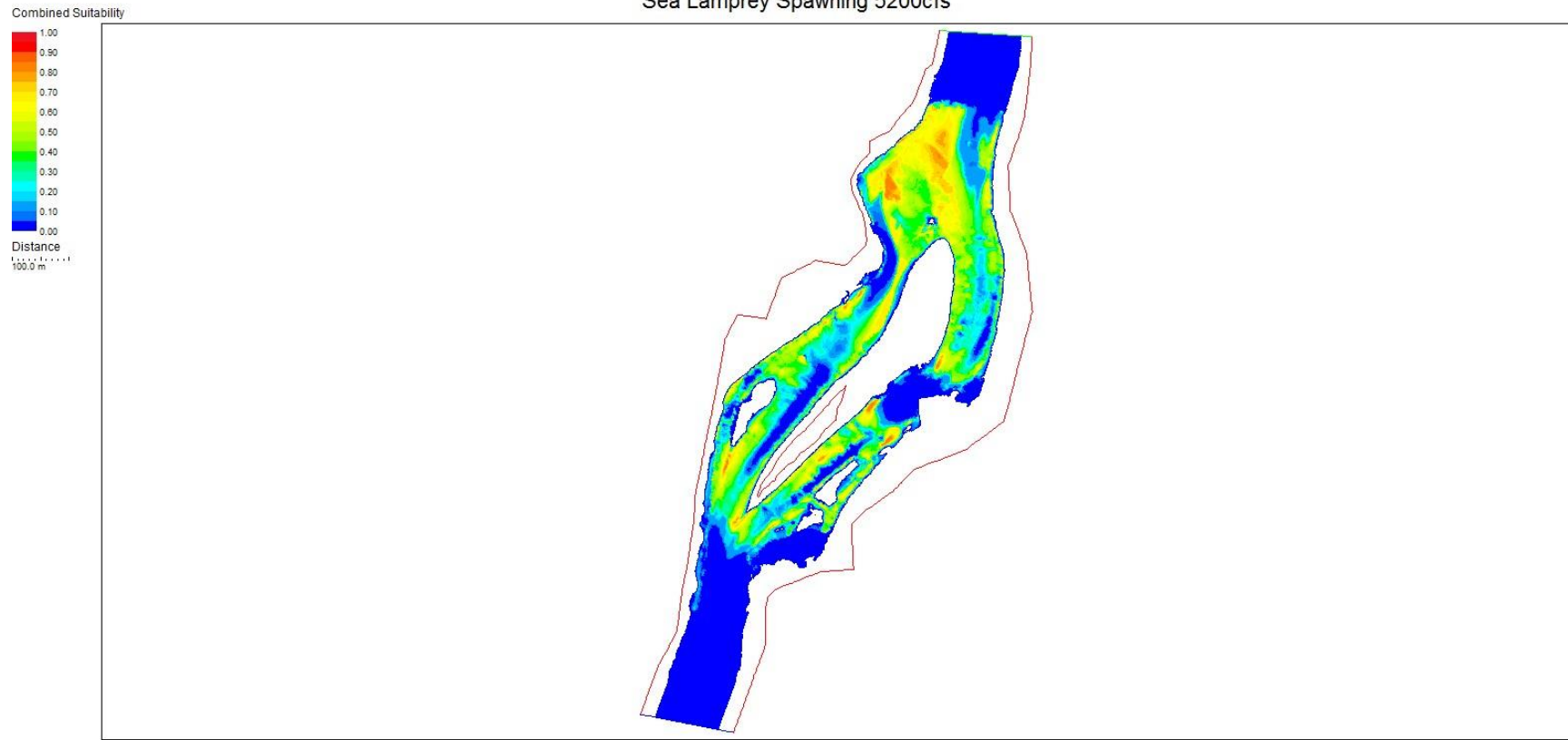
Sea Lamprey Spawning 3200cfs



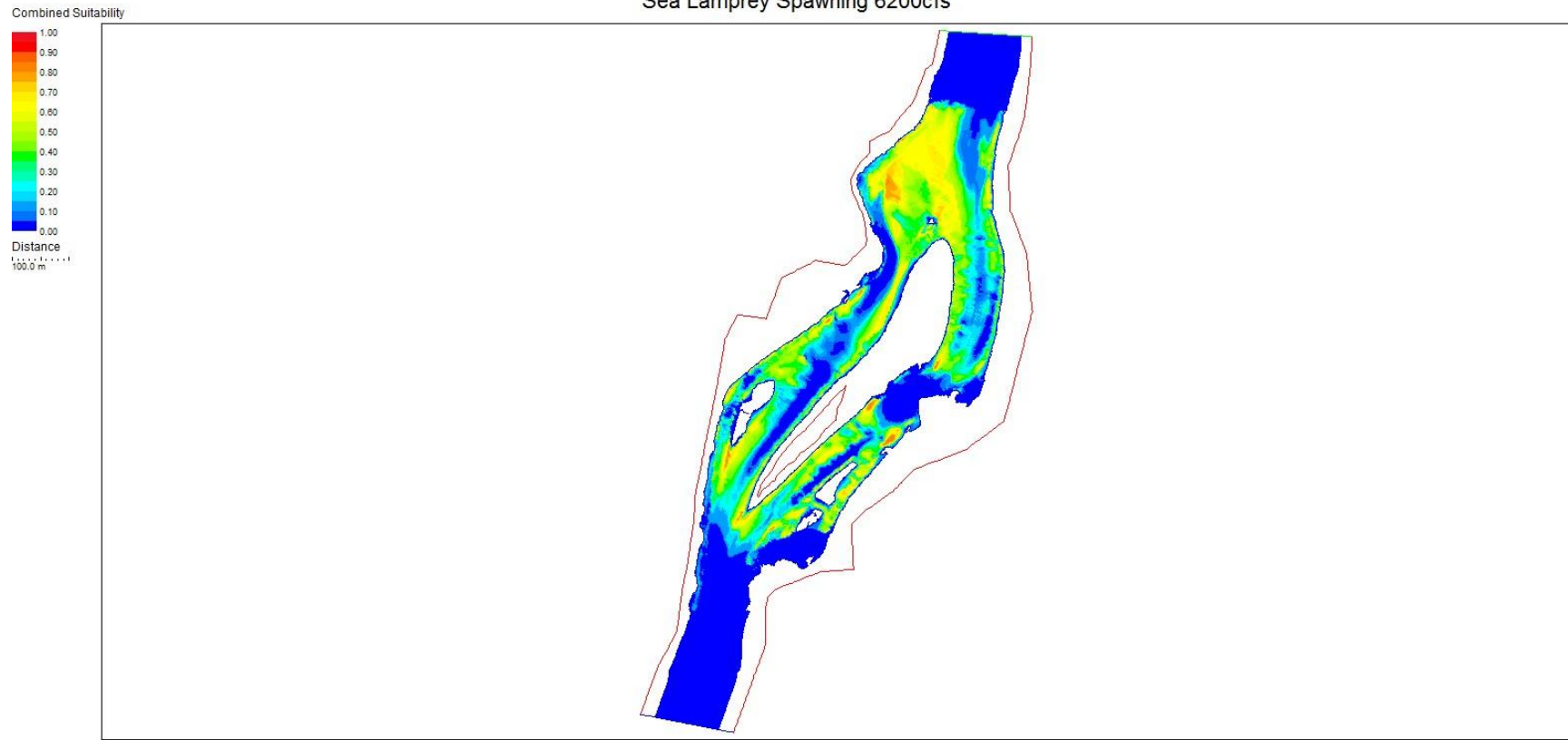
Sea Lamprey Spawning 4200cfs



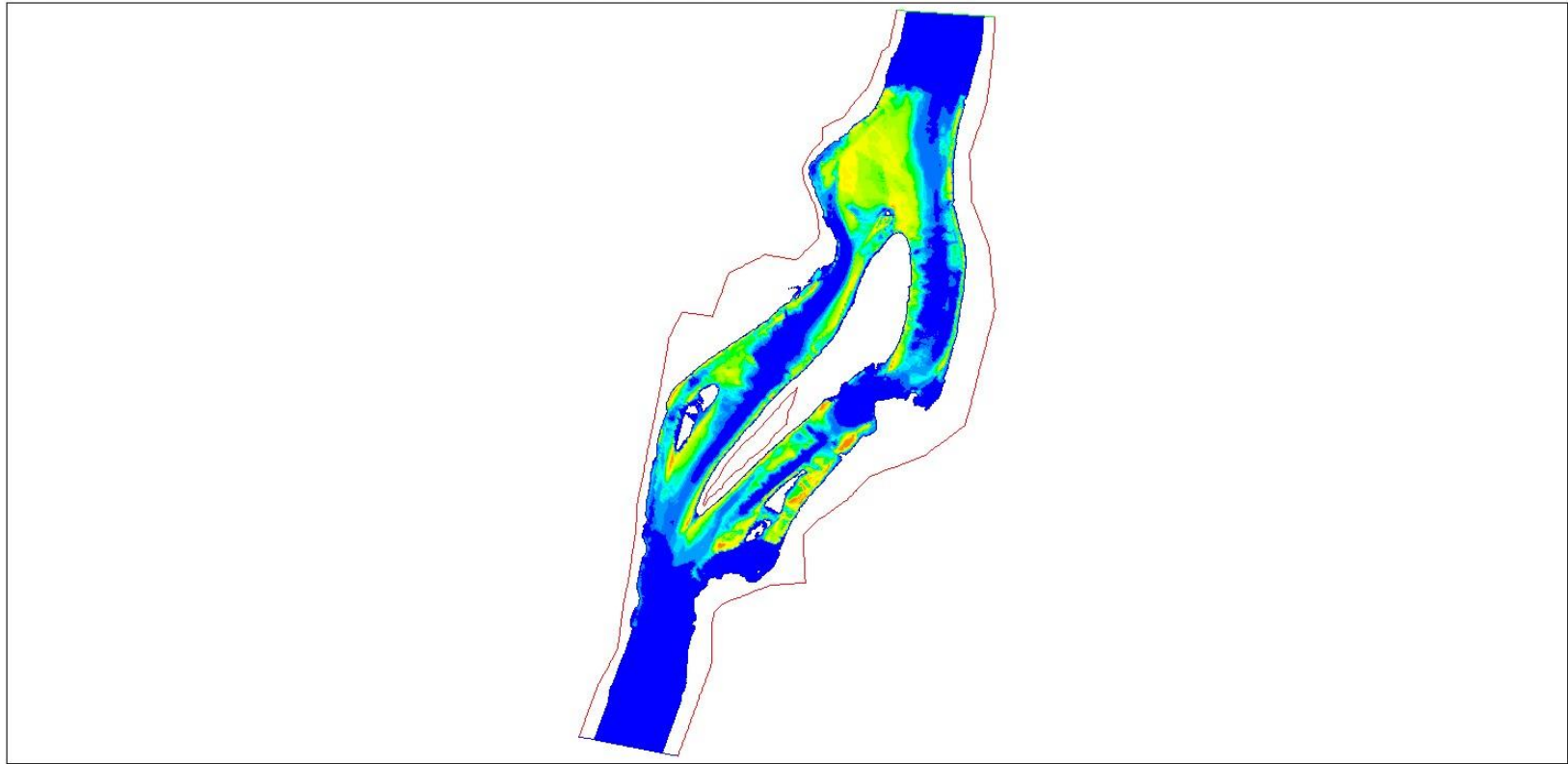
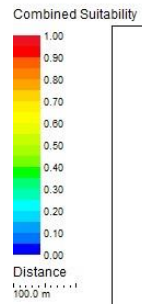
Sea Lamprey Spawning 5200cfs



Sea Lamprey Spawning 6200cfs

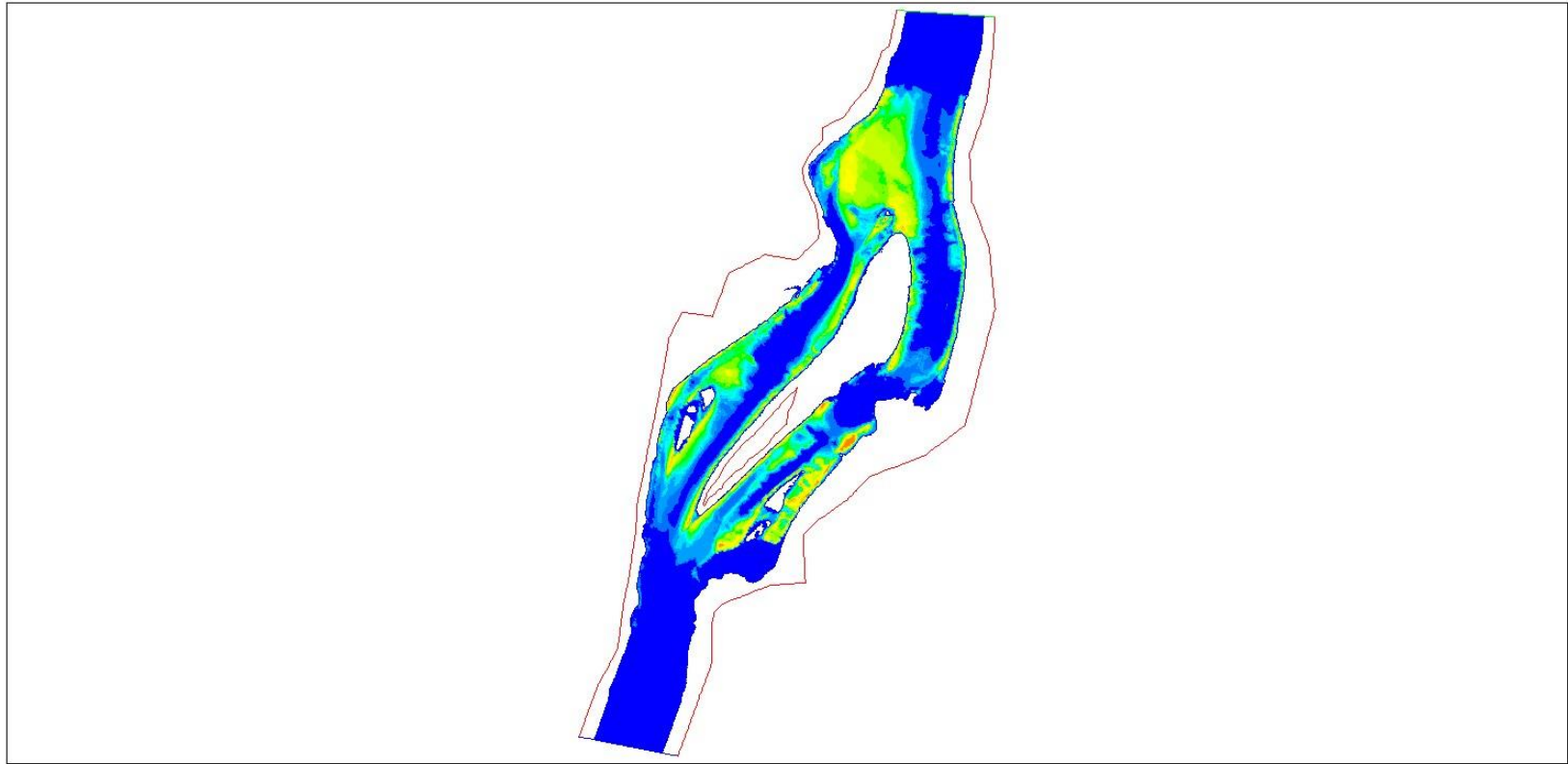
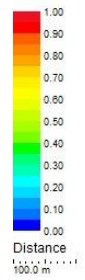


Sea Lamprey Spawning 8200cfs

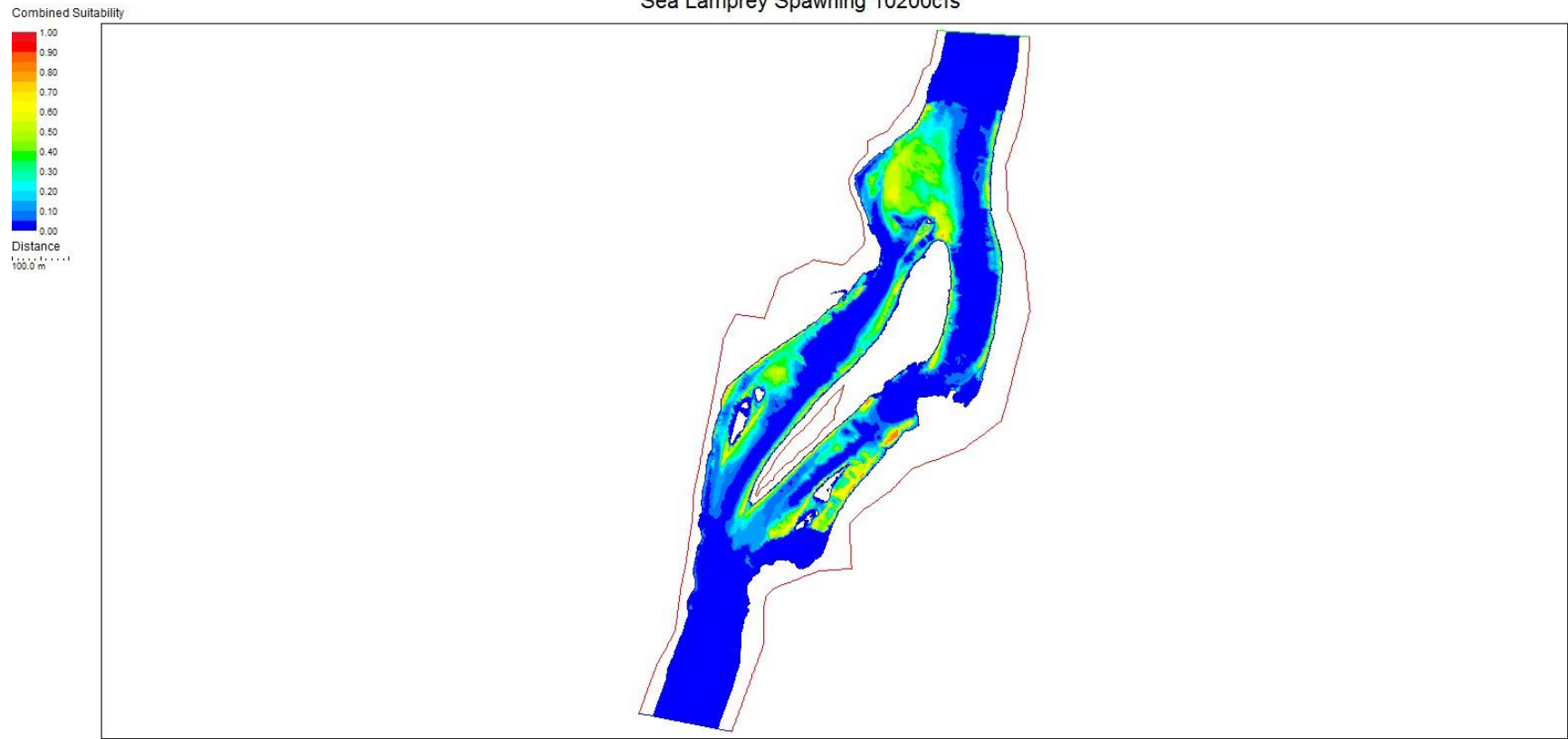


Sea Lamprey Spawning 9200cfs

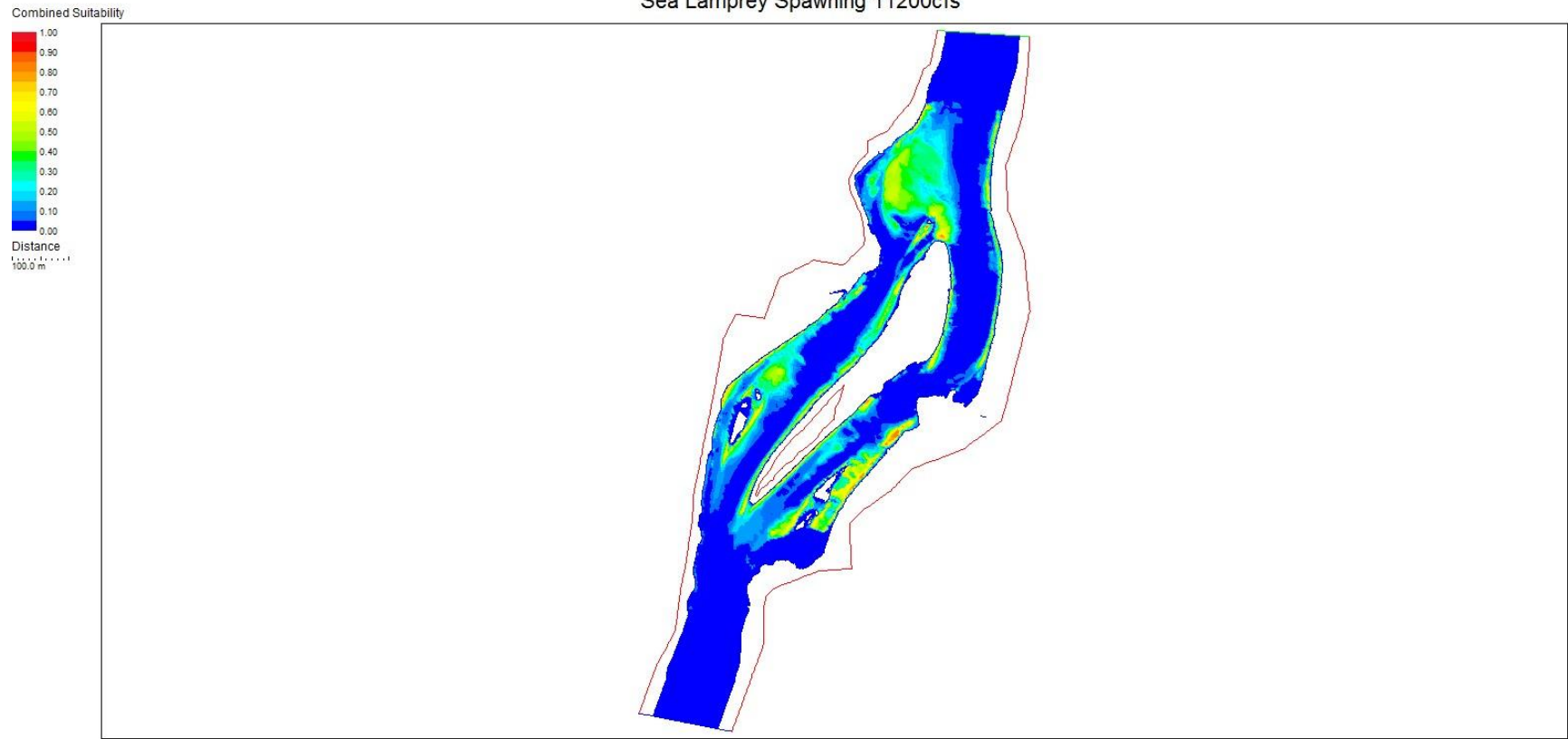
Combined Suitability



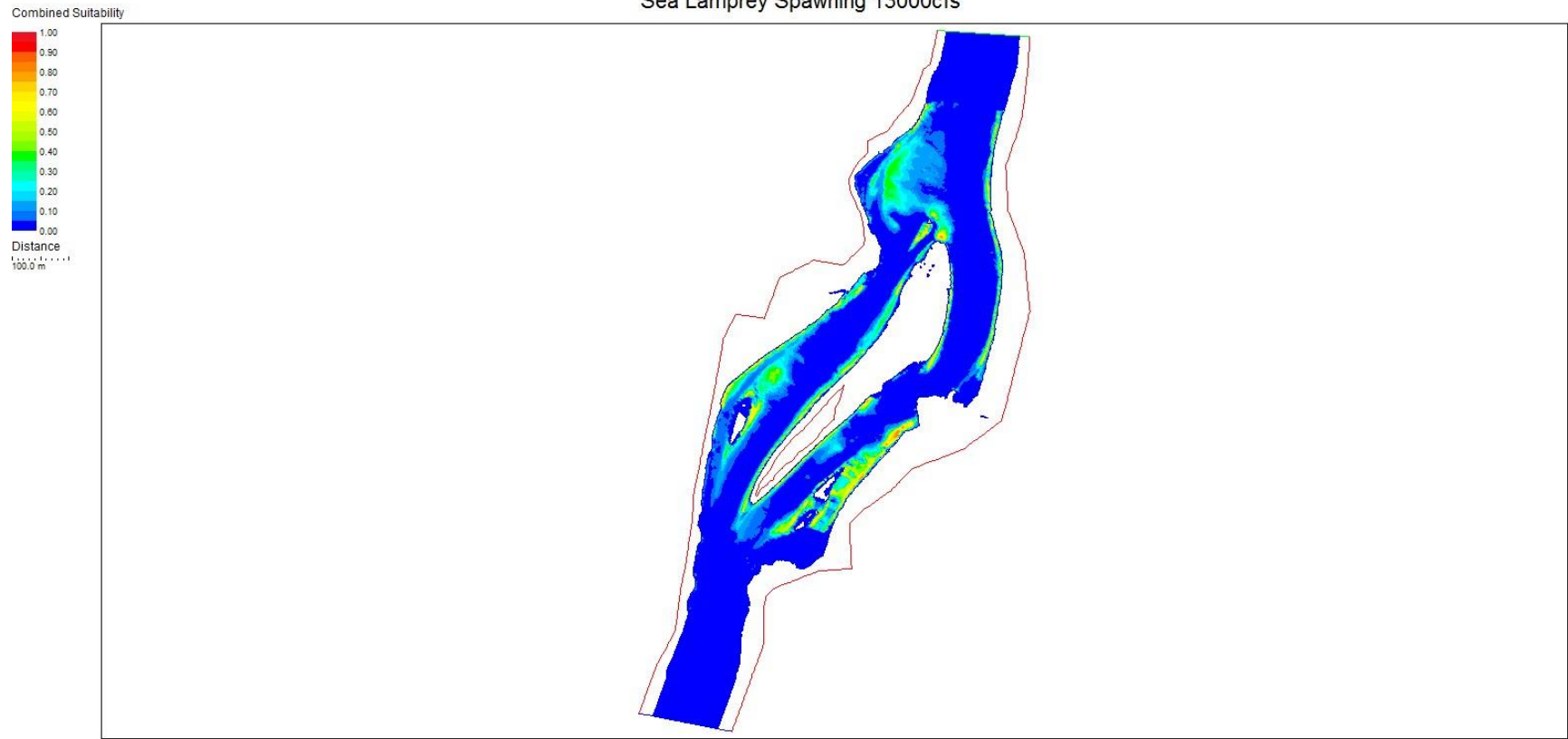
Sea Lamprey Spawning 10200cfs



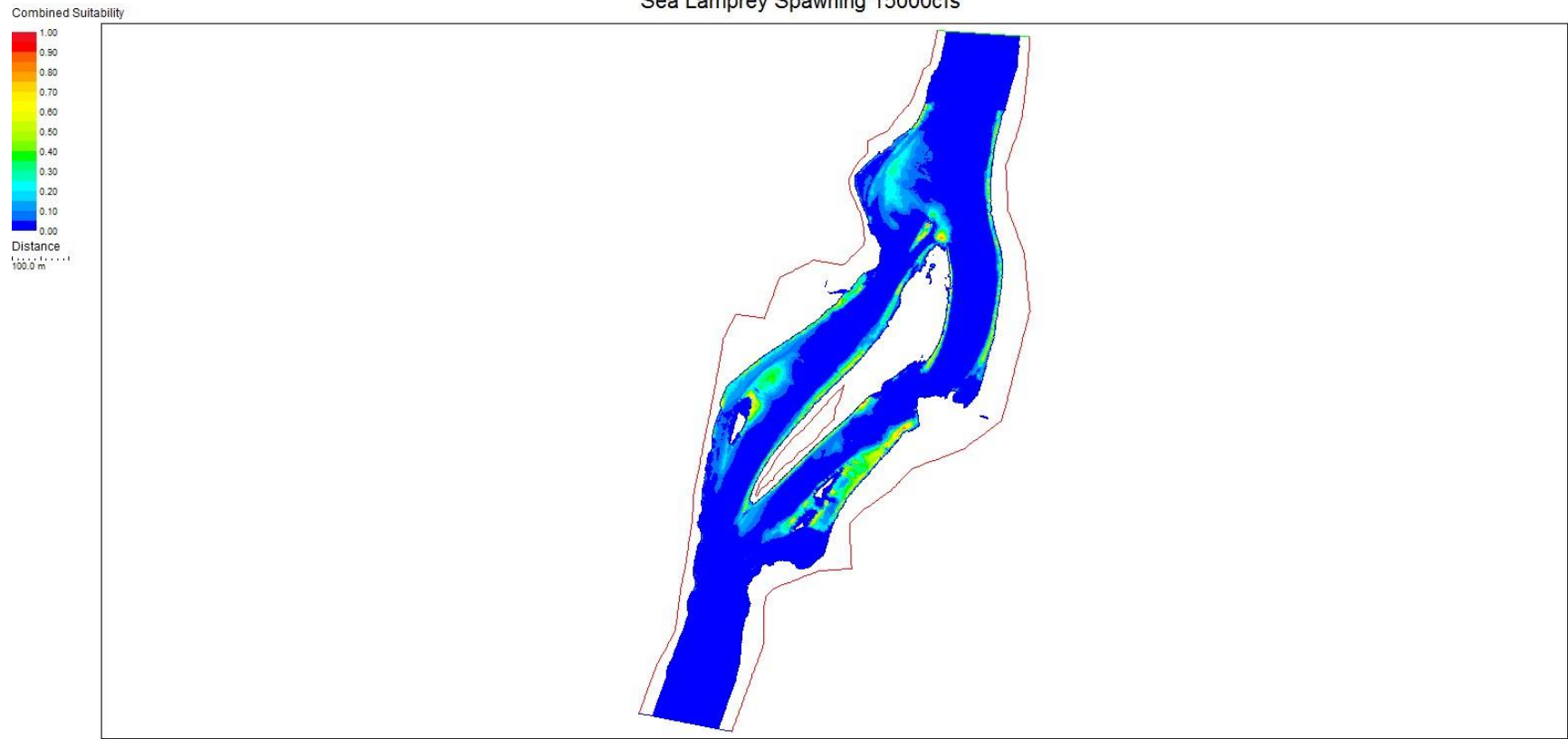
Sea Lamprey Spawning 11200cfs



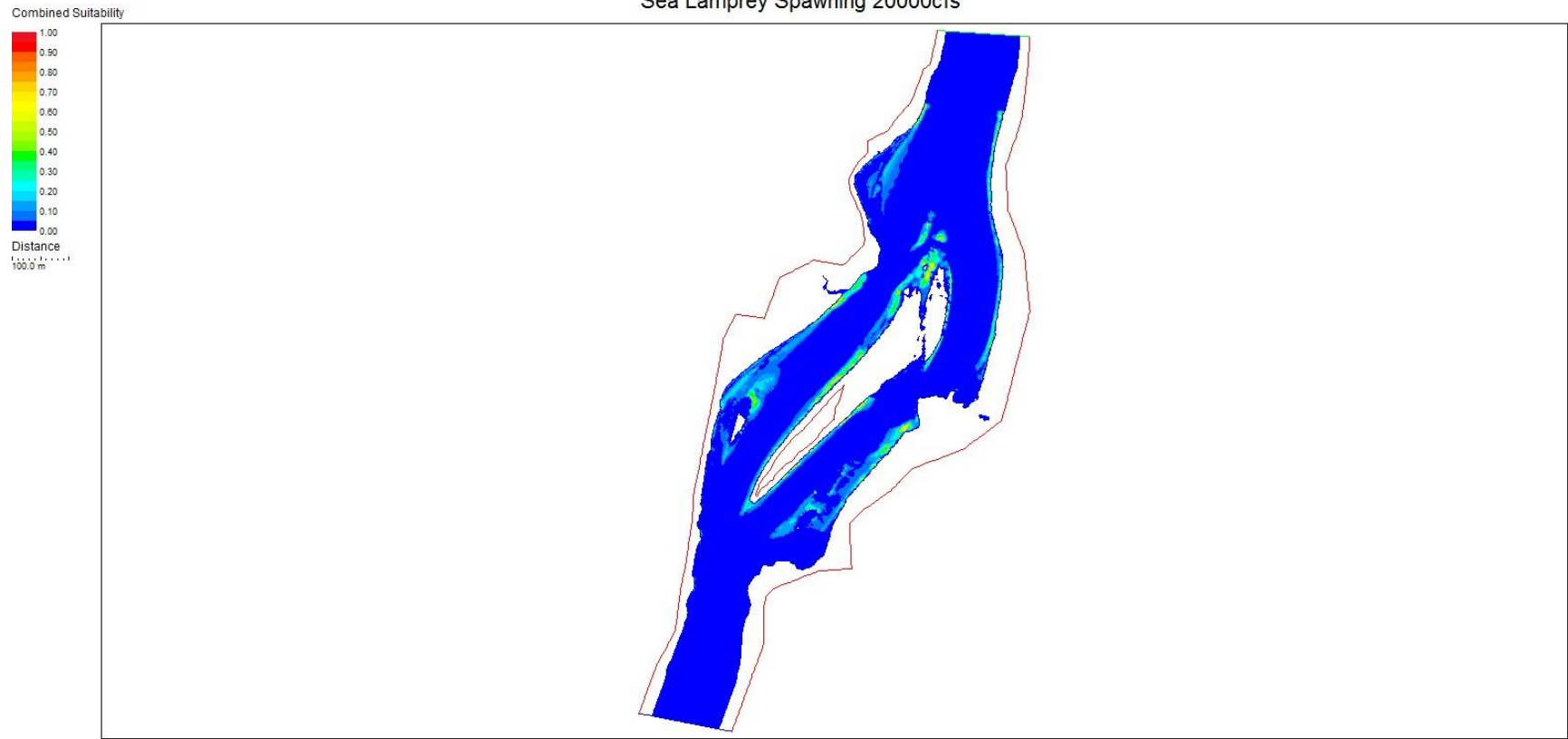
Sea Lamprey Spawning 13000cfs



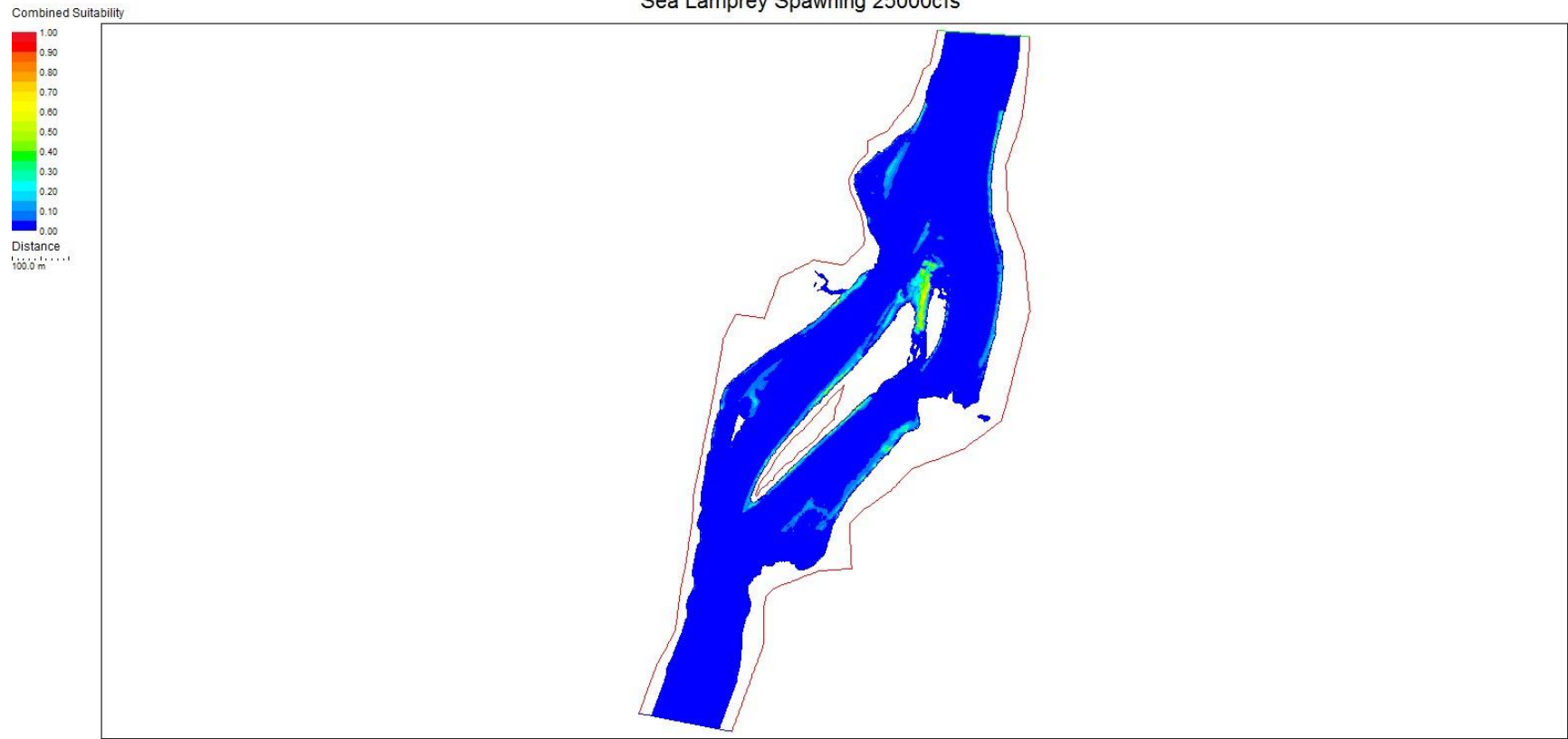
Sea Lamprey Spawning 15000cfs



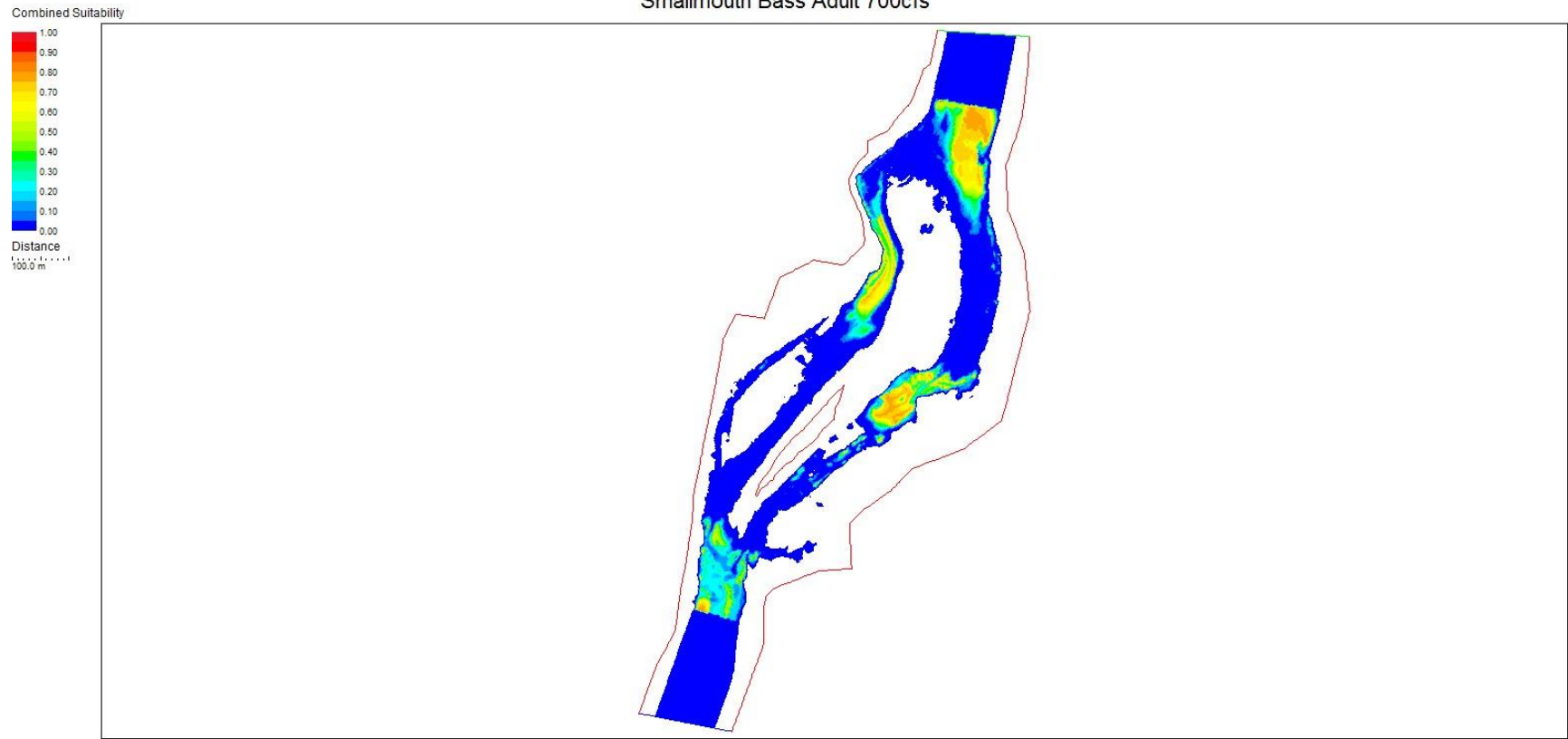
Sea Lamprey Spawning 20000cfs



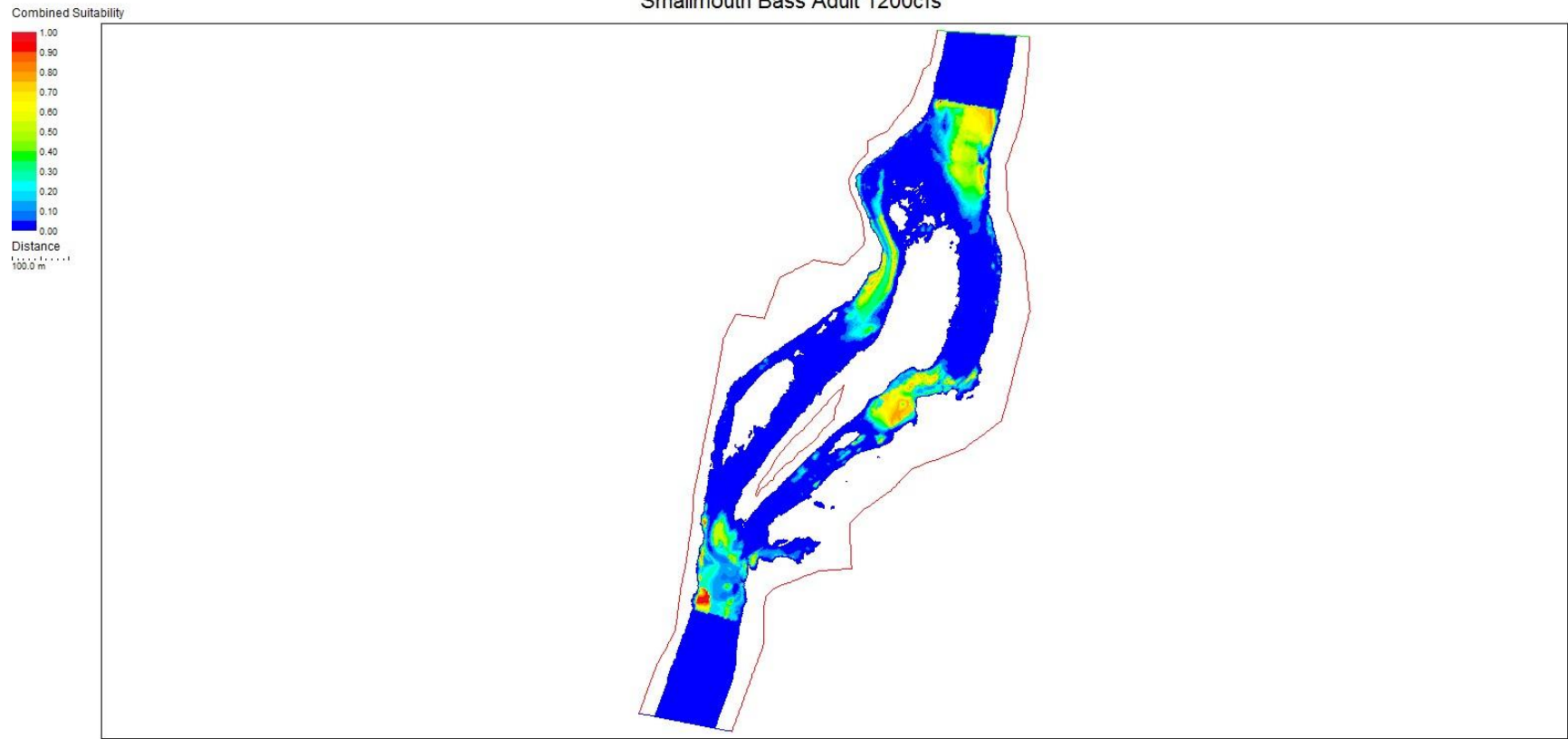
Sea Lamprey Spawning 25000cfs

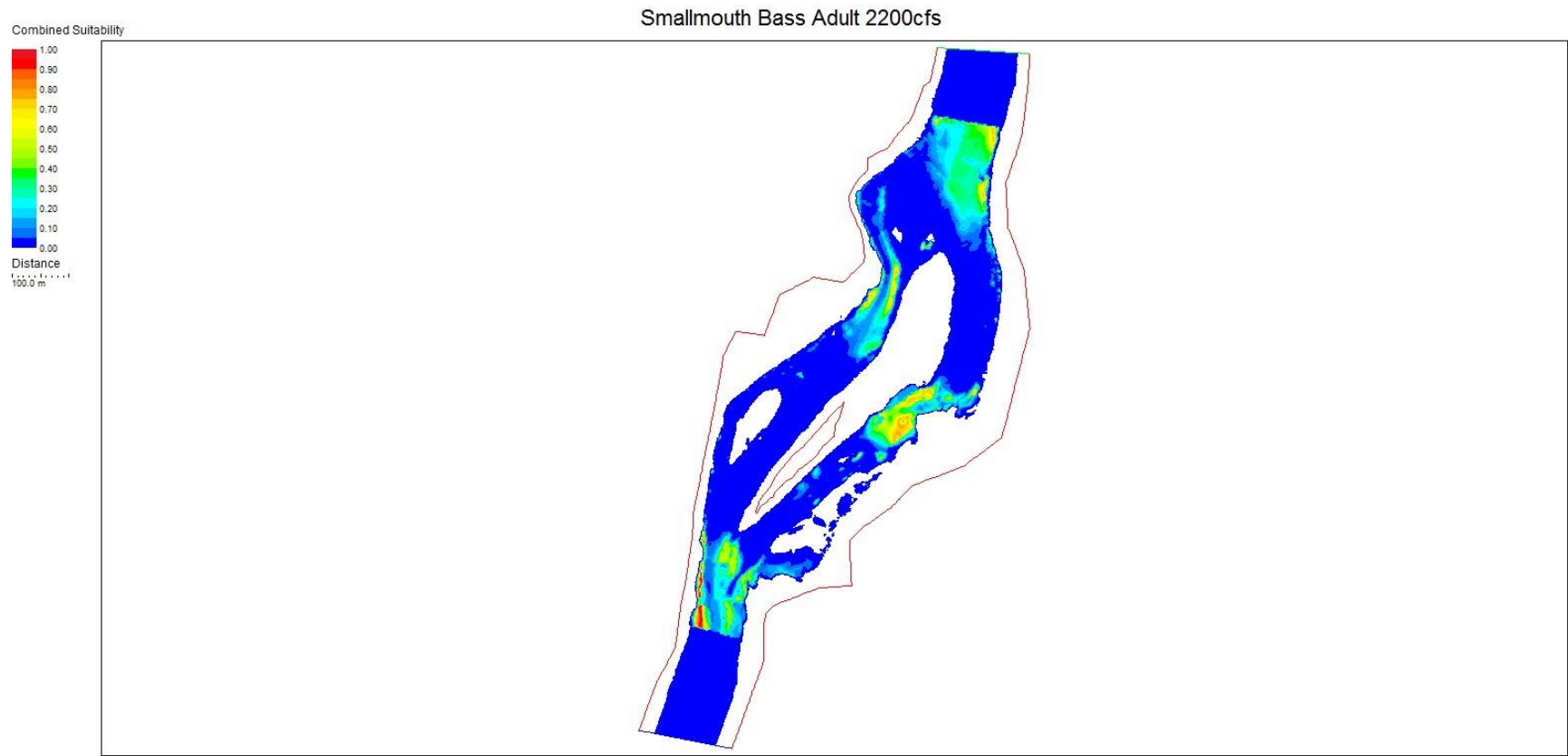


Smallmouth Bass Adult 700cfs

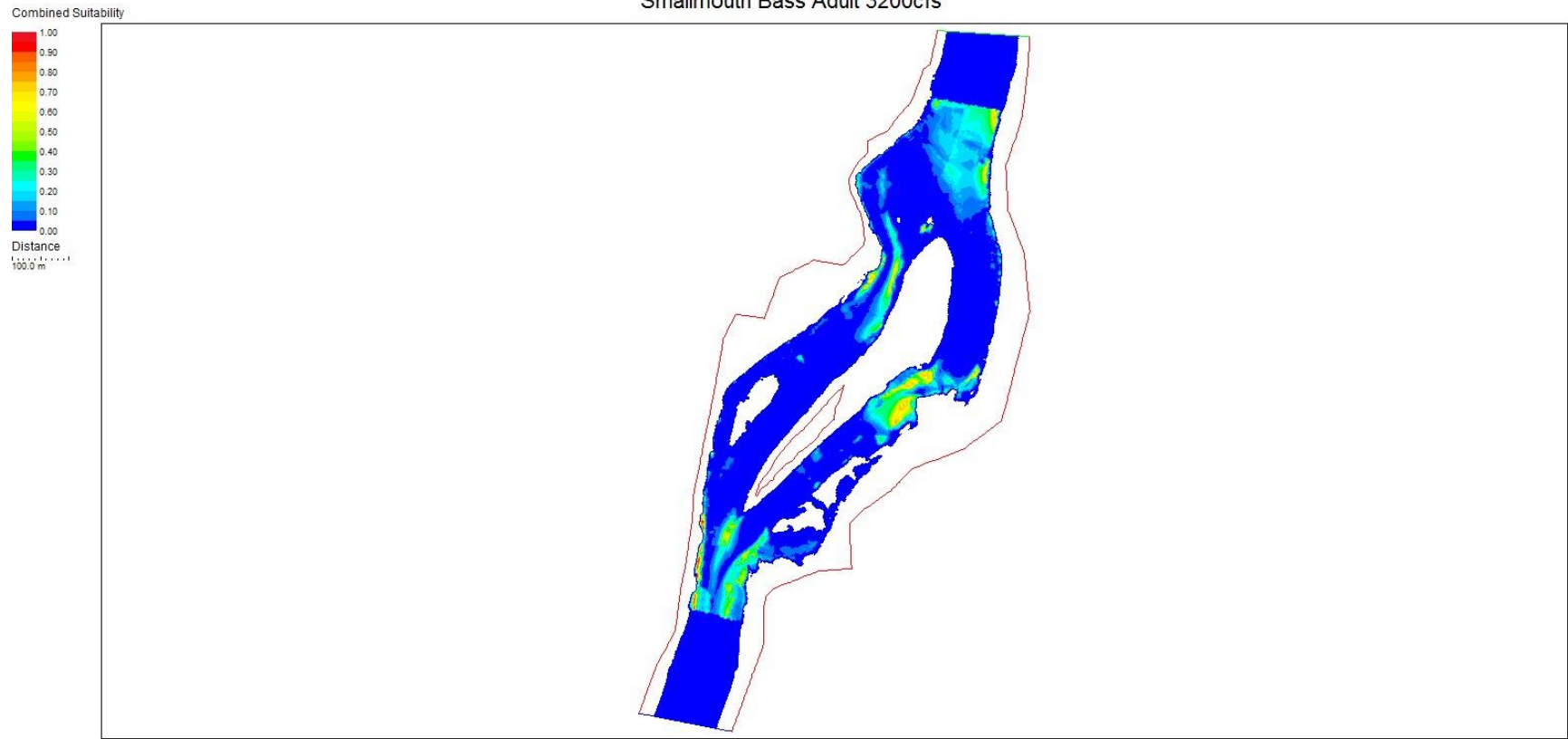


Smallmouth Bass Adult 1200cfs

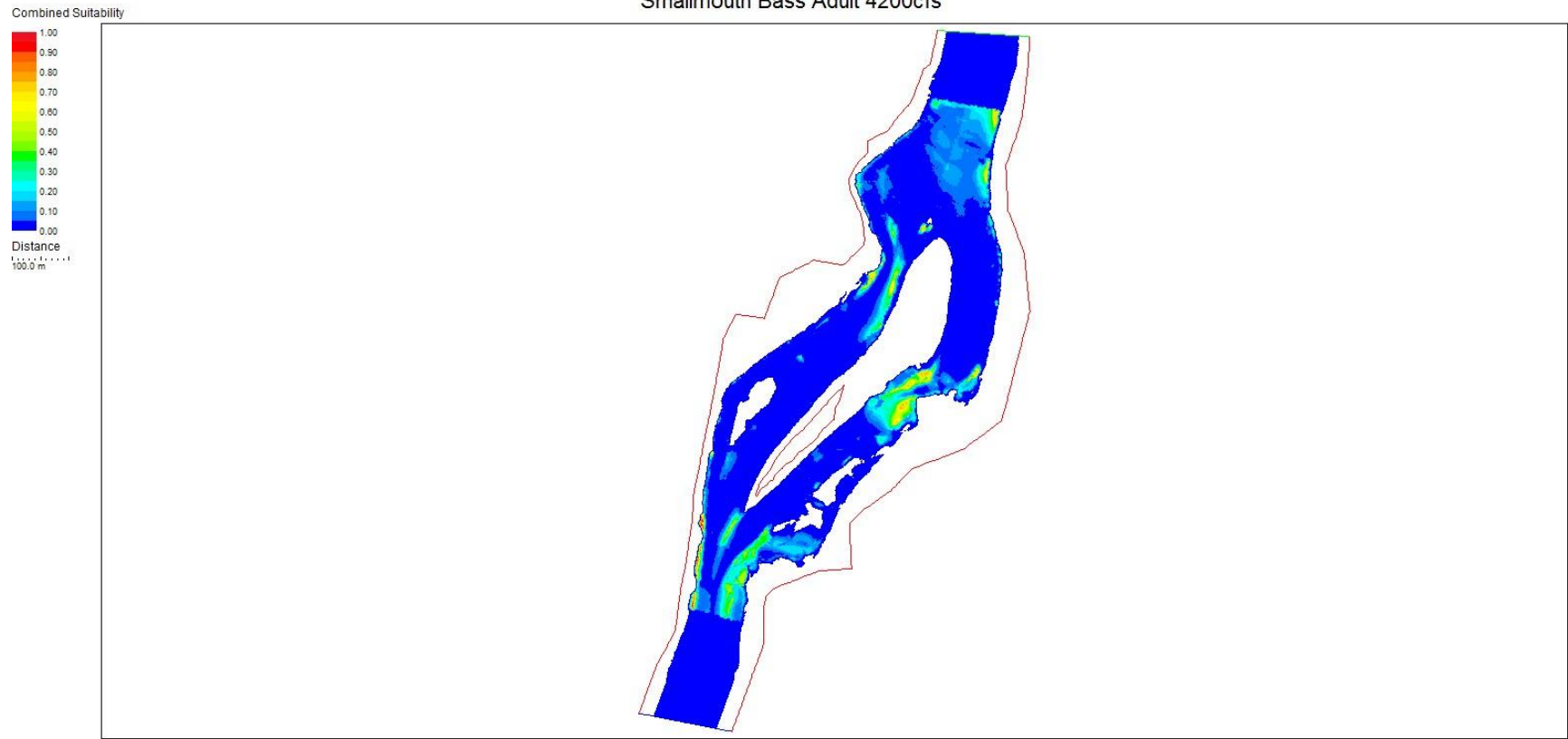




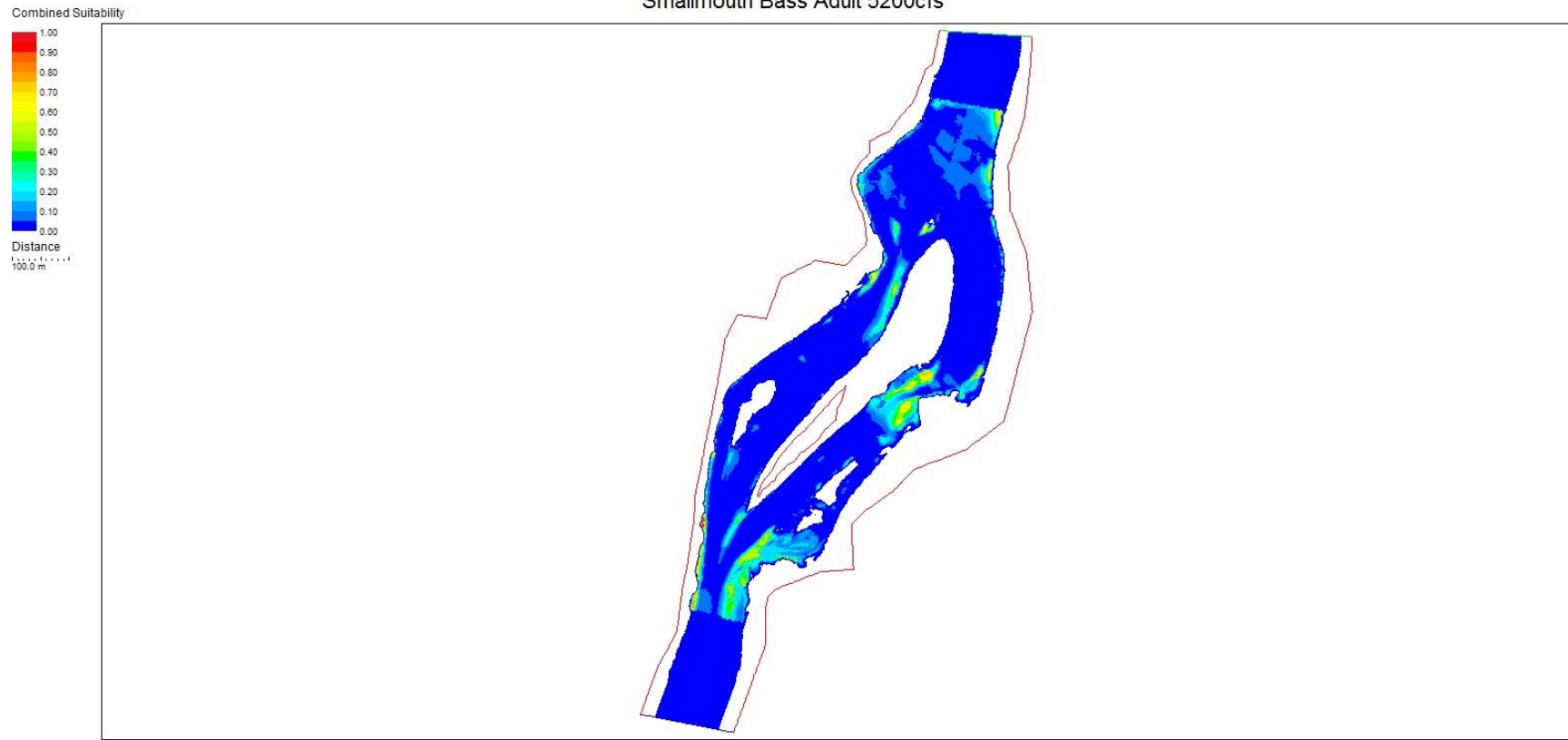
Smallmouth Bass Adult 3200cfs



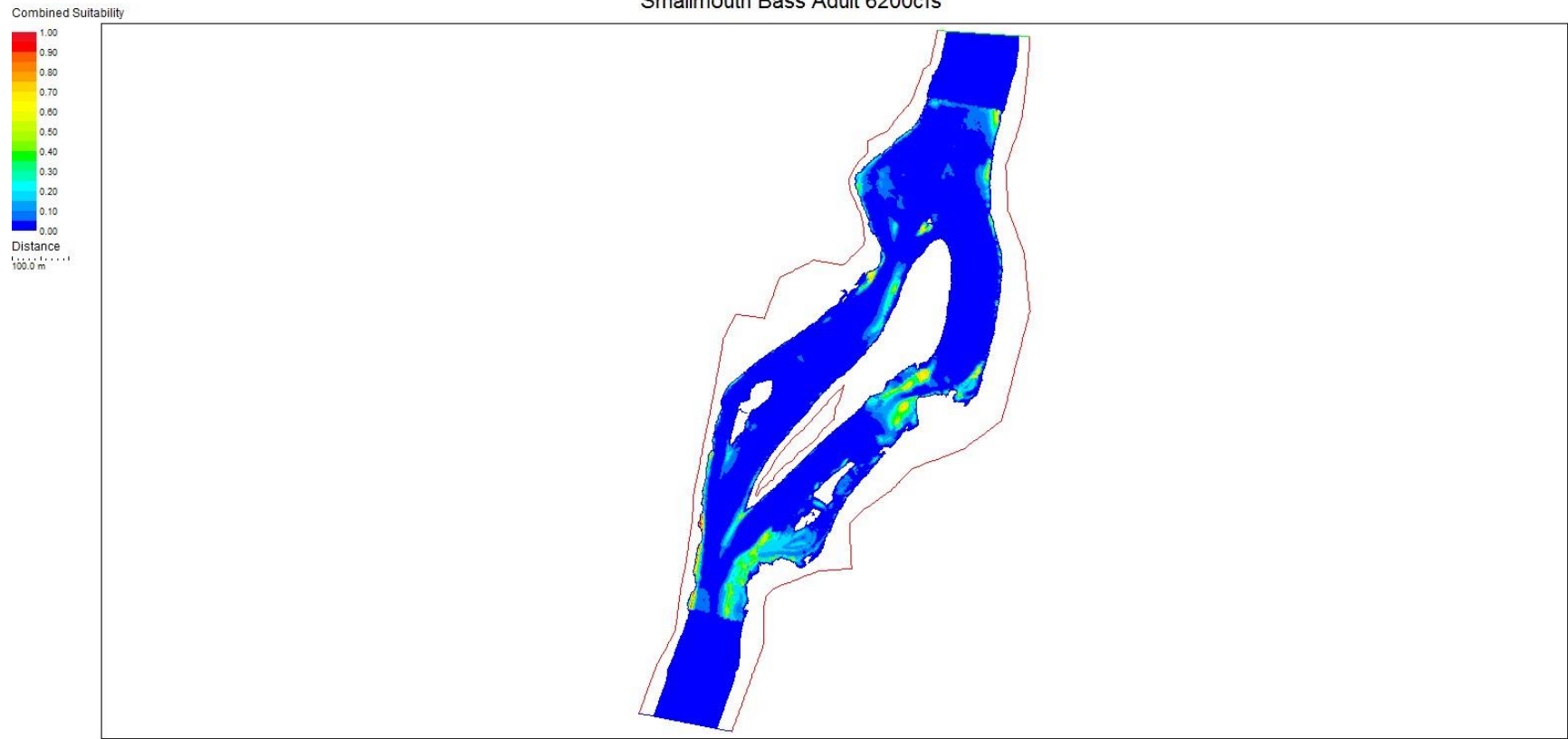
Smallmouth Bass Adult 4200cfs



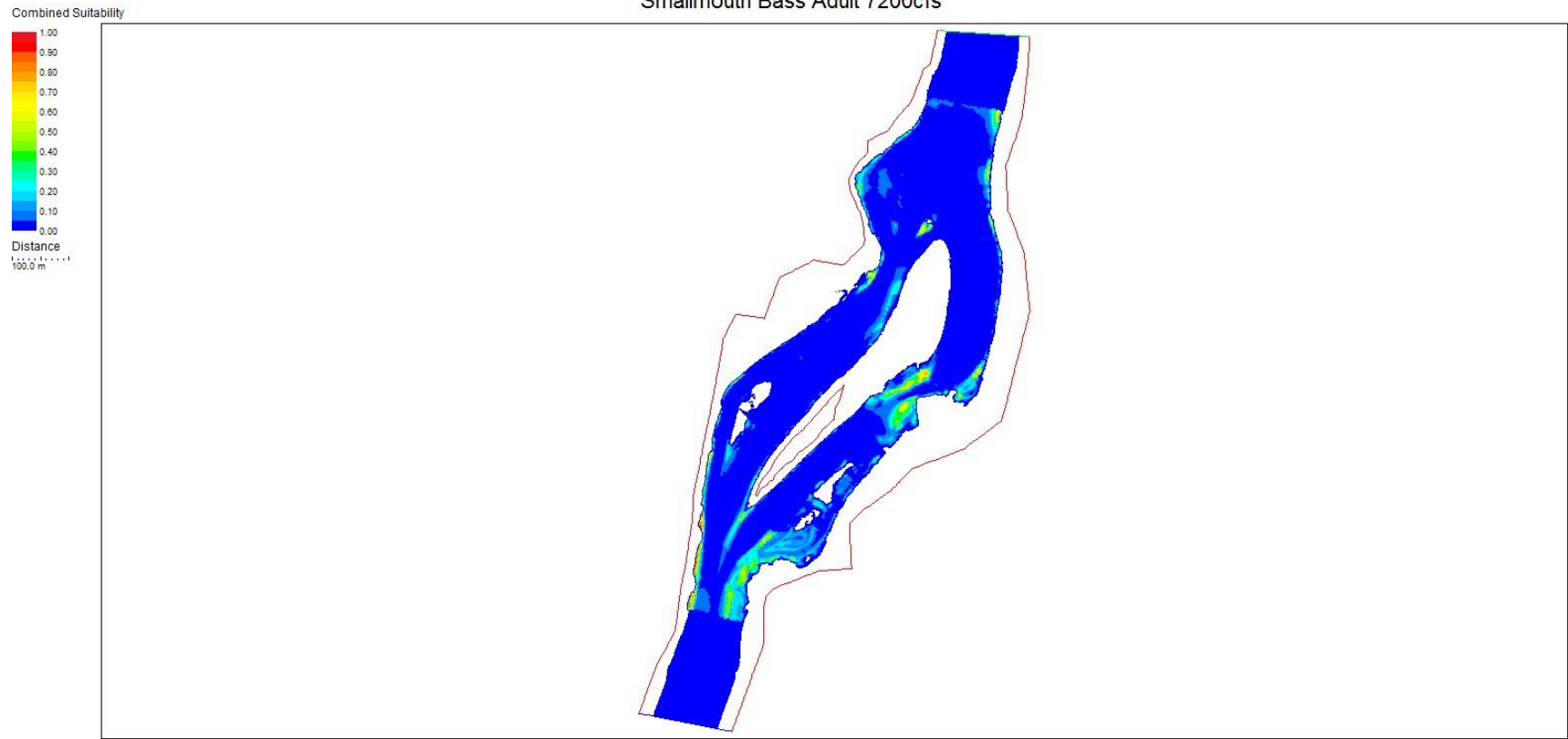
Smallmouth Bass Adult 5200cfs



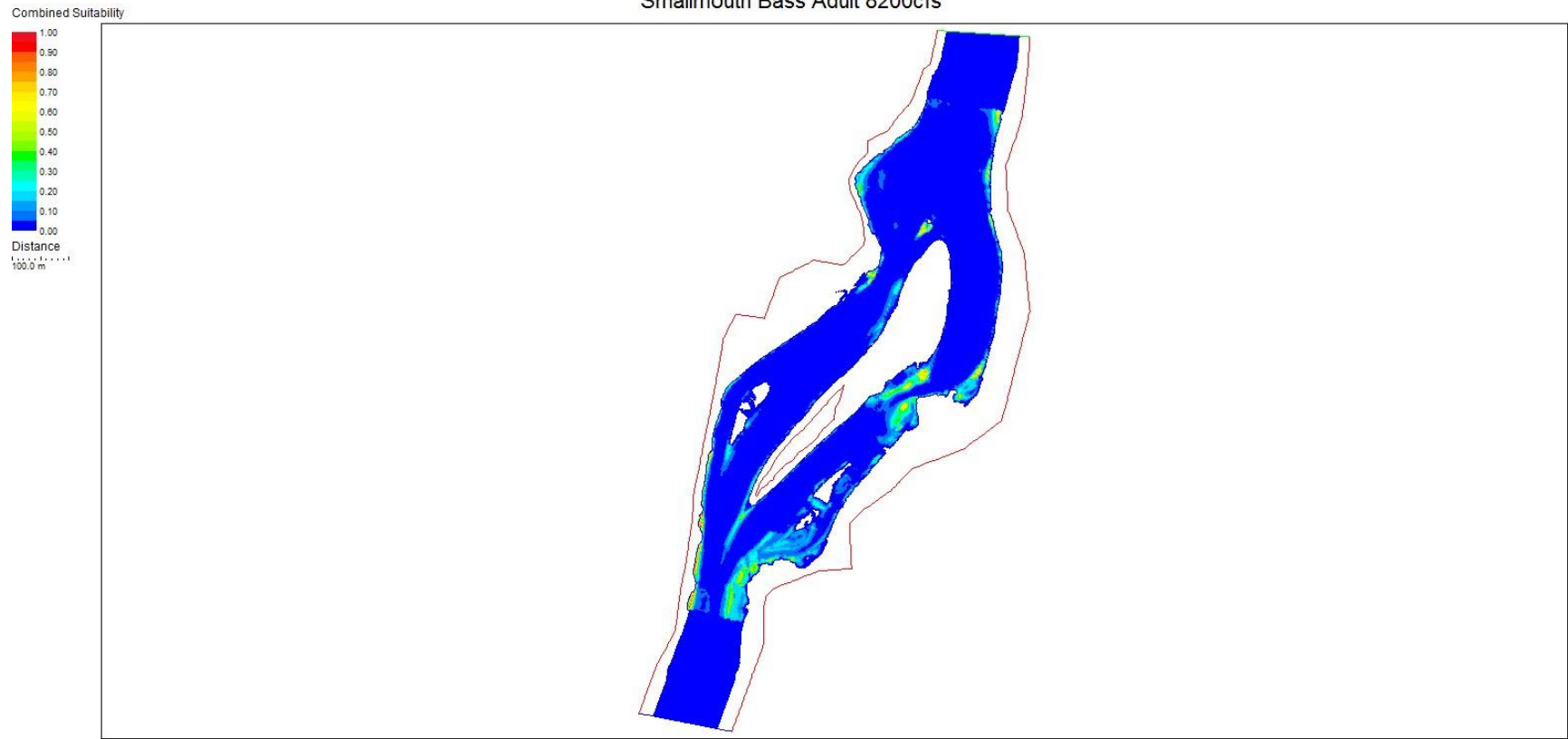
Smallmouth Bass Adult 6200cfs



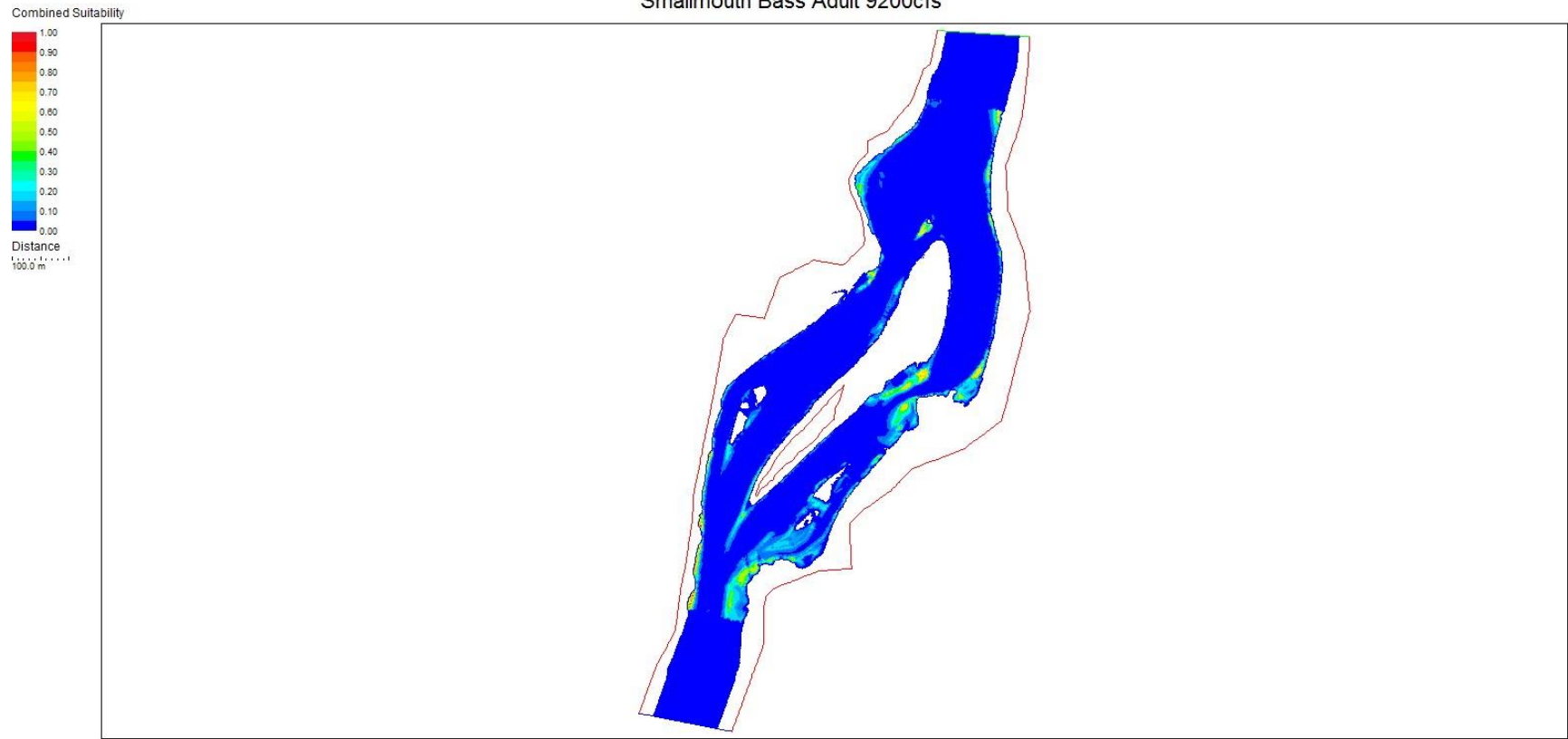
Smallmouth Bass Adult 7200cfs

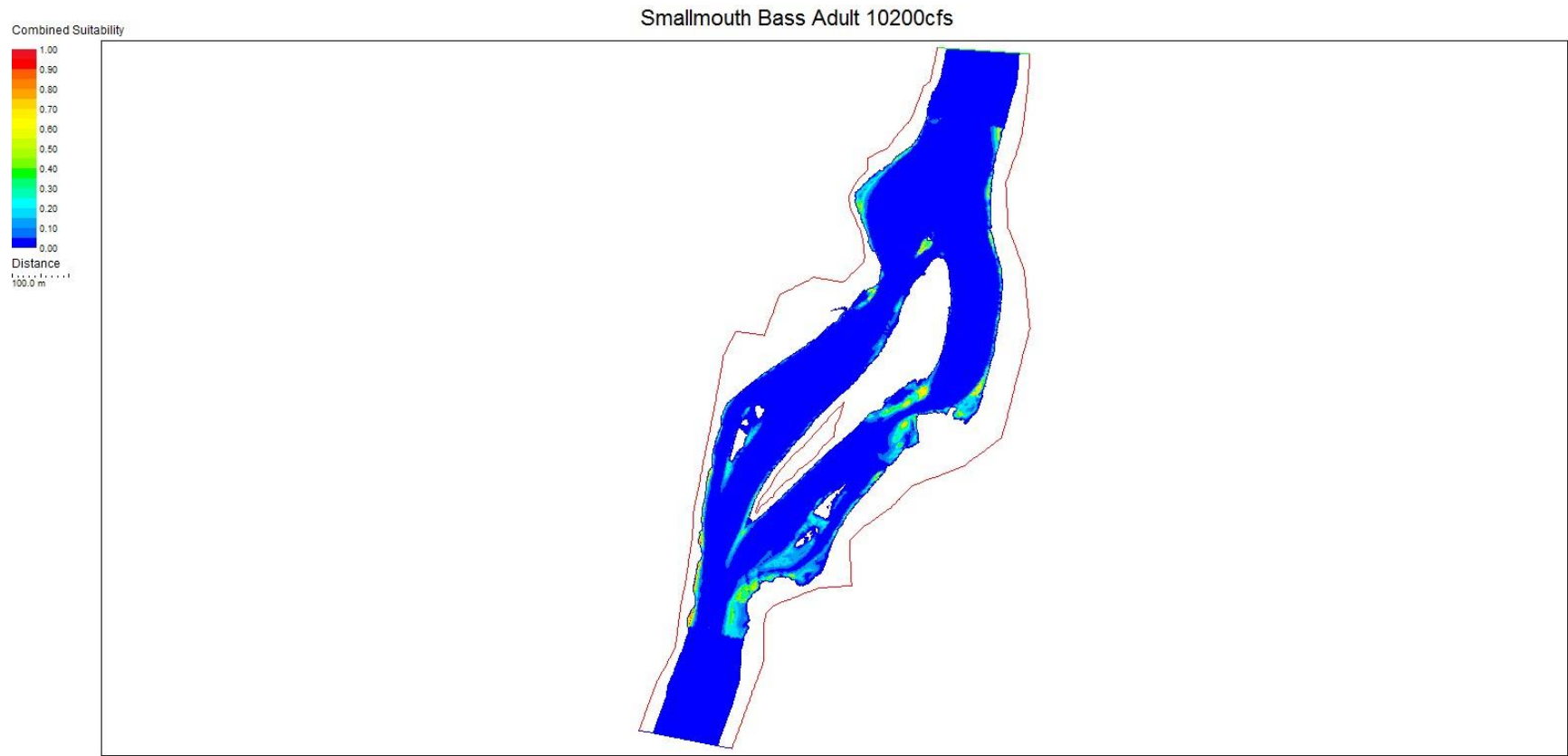


Smallmouth Bass Adult 8200cfs

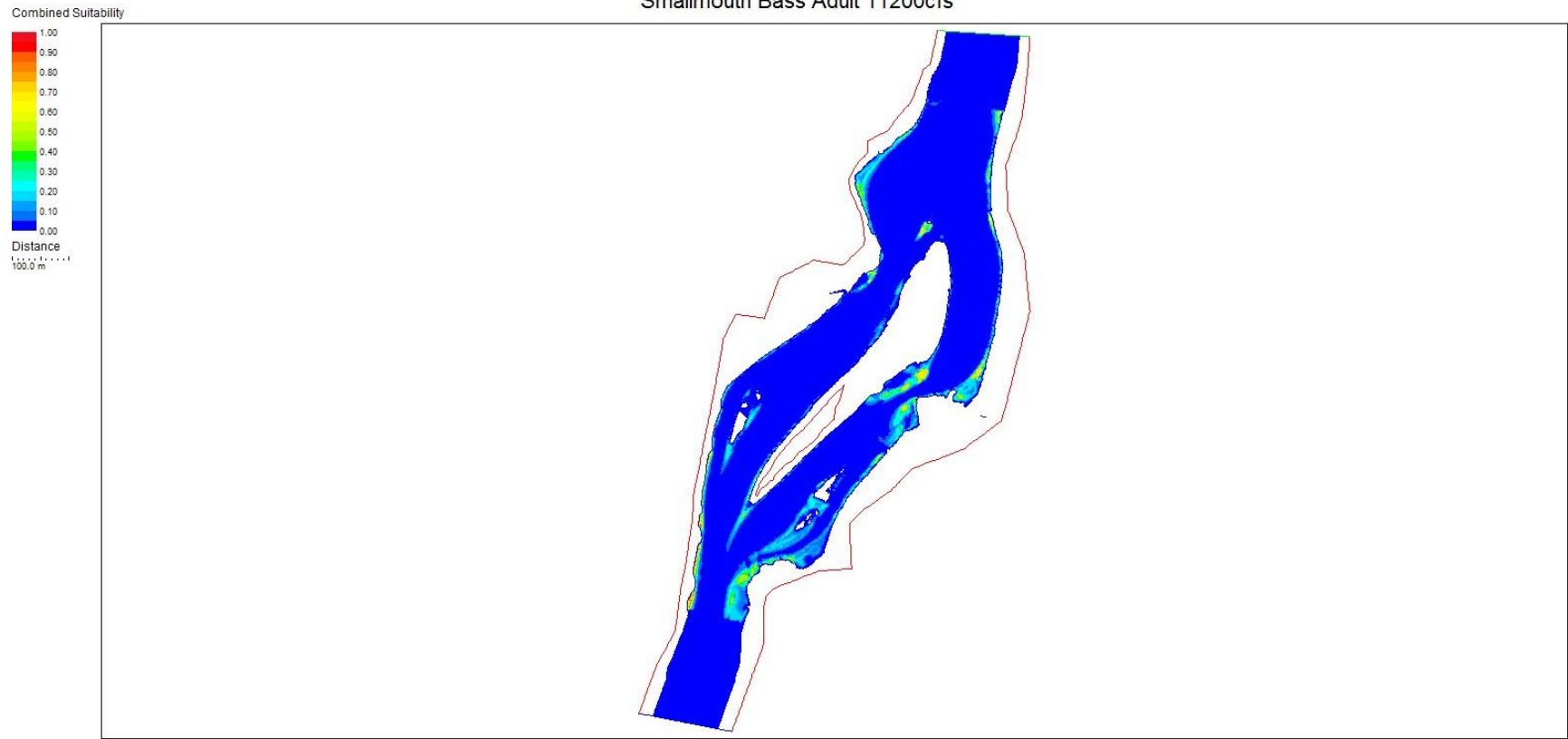


Smallmouth Bass Adult 9200cfs

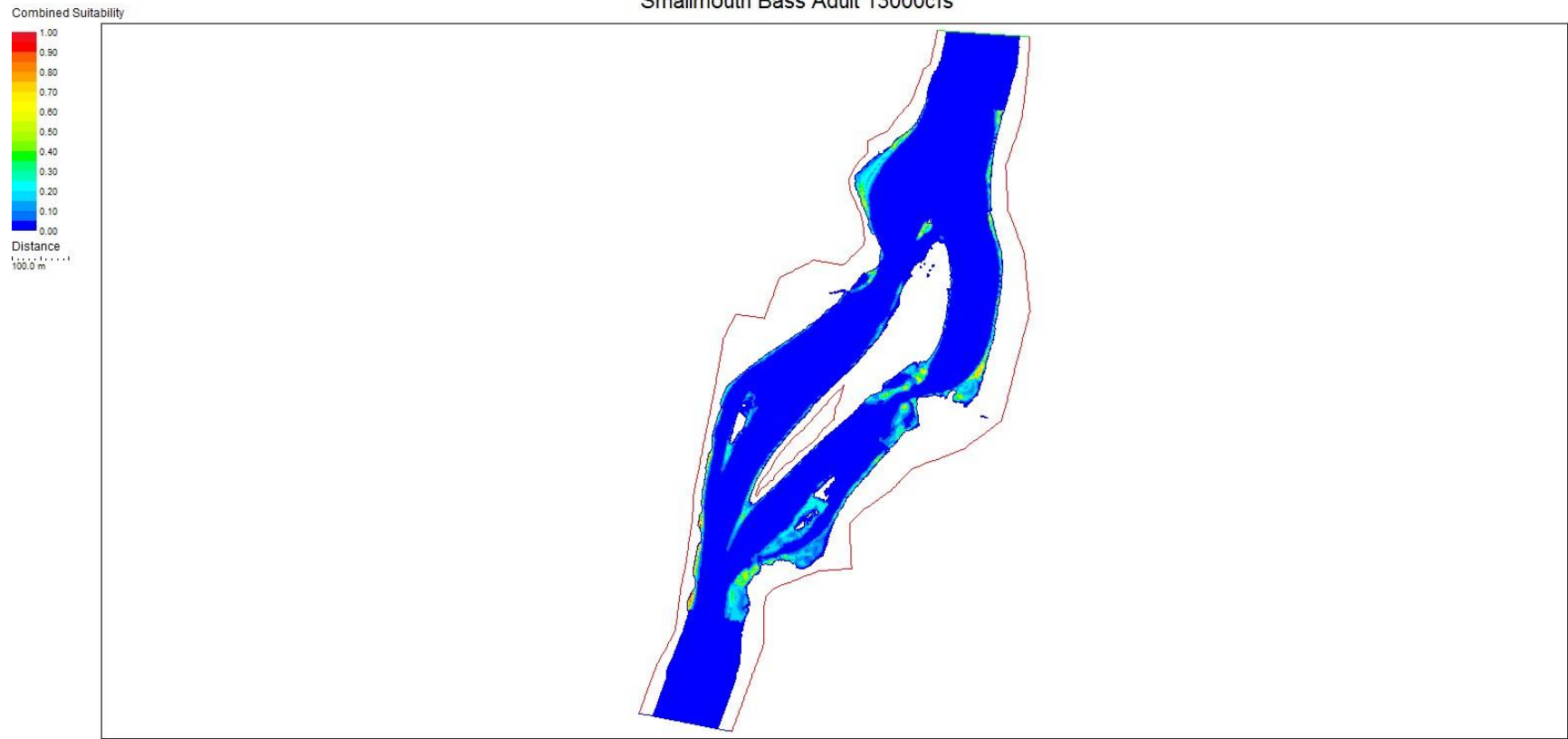




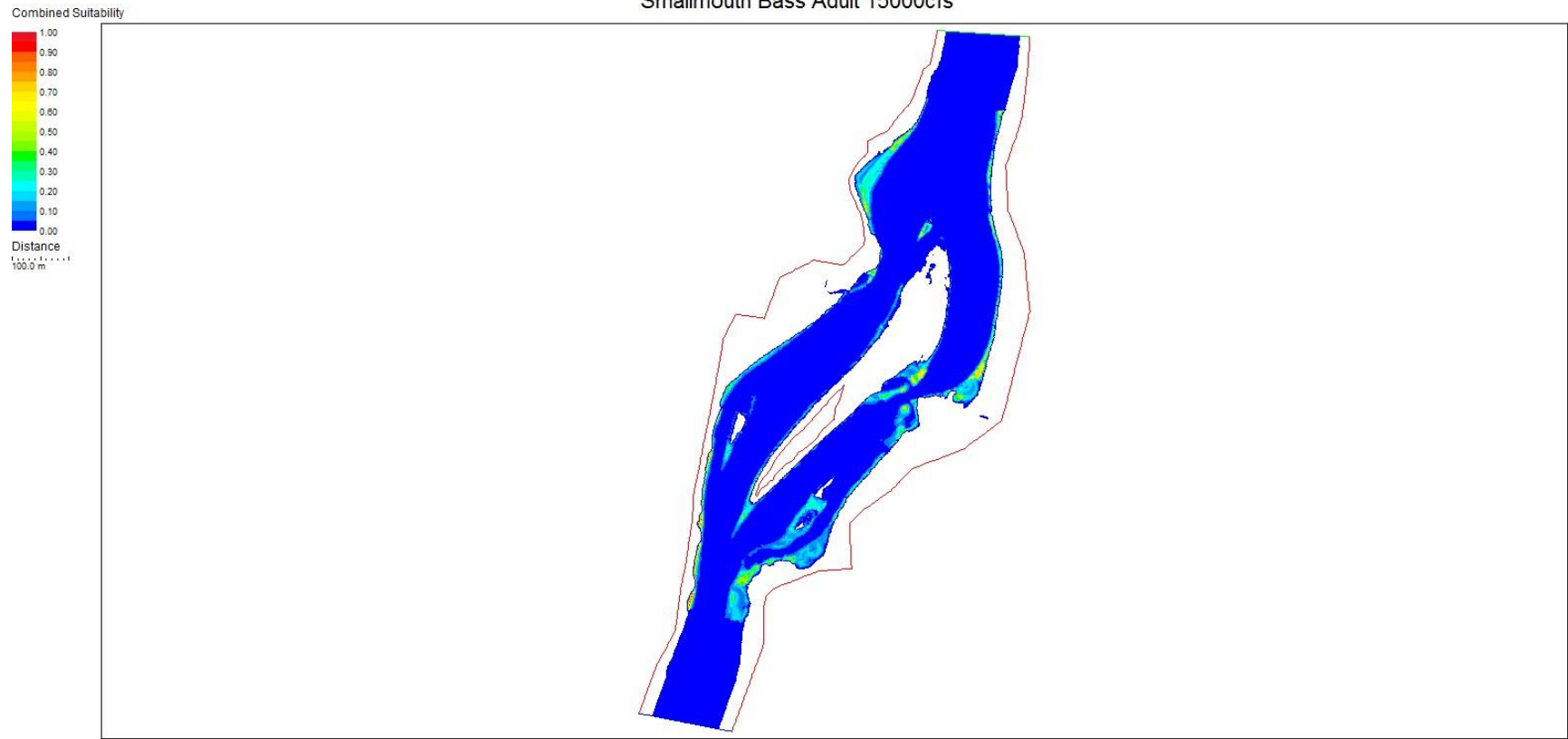
Smallmouth Bass Adult 11200cfs

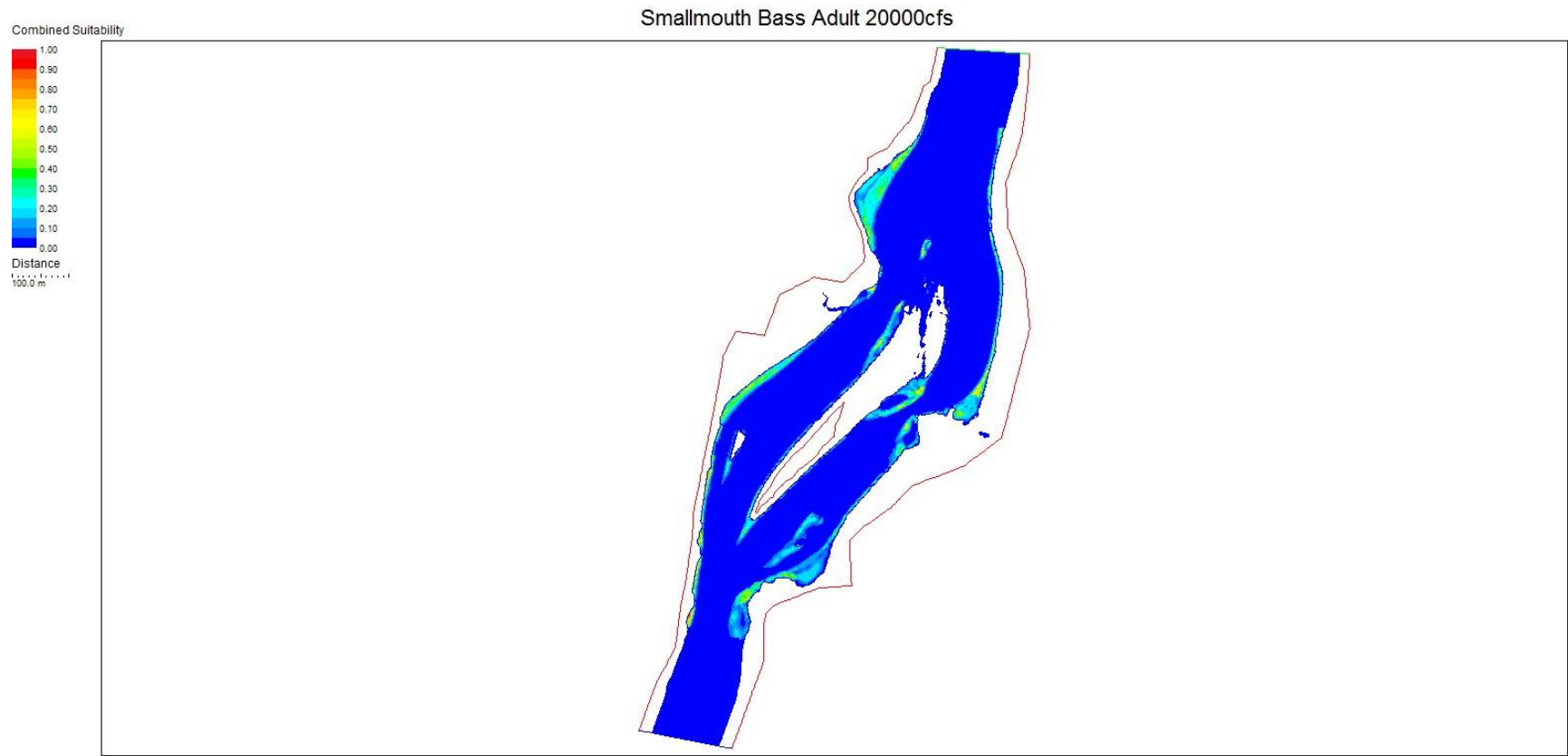


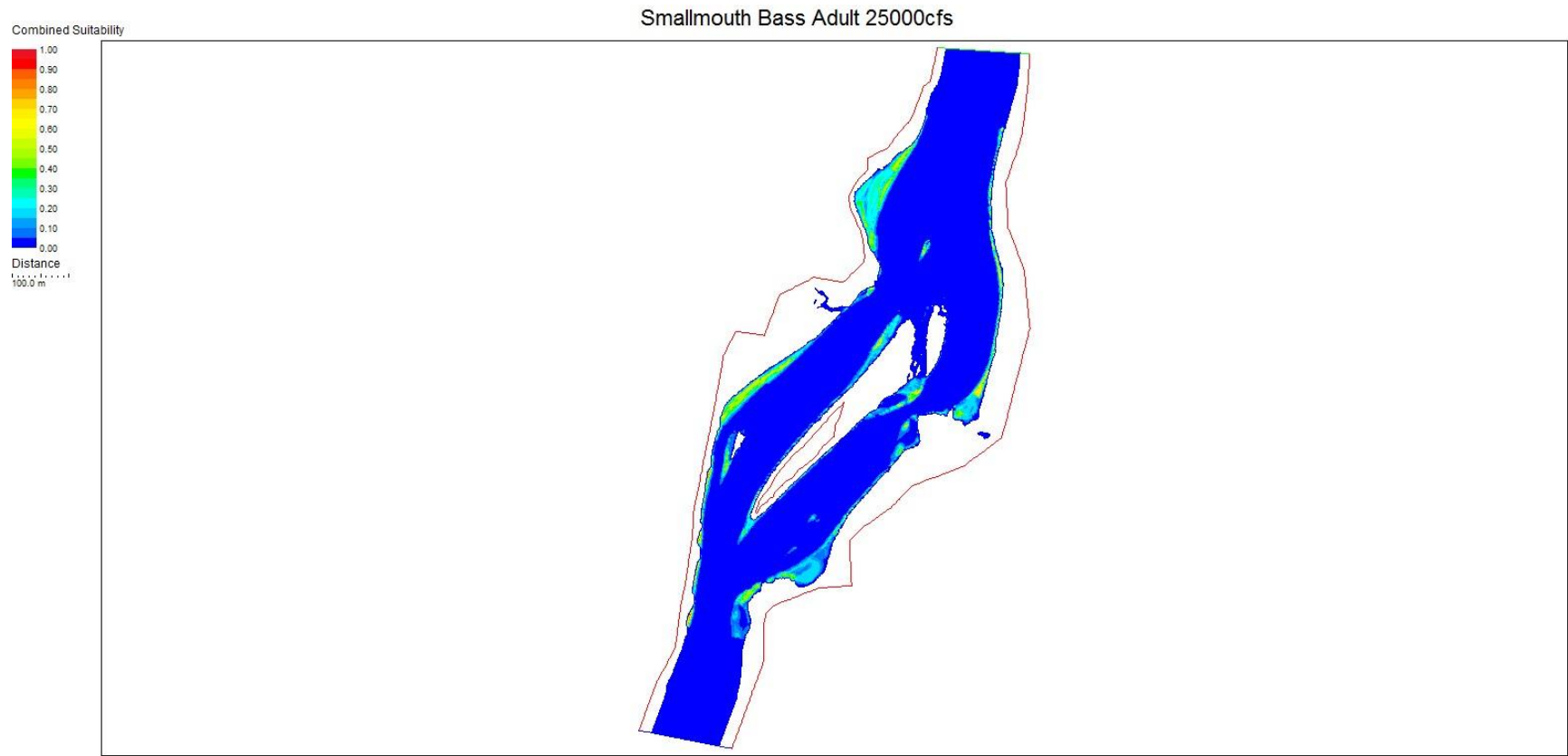
Smallmouth Bass Adult 13000cfs



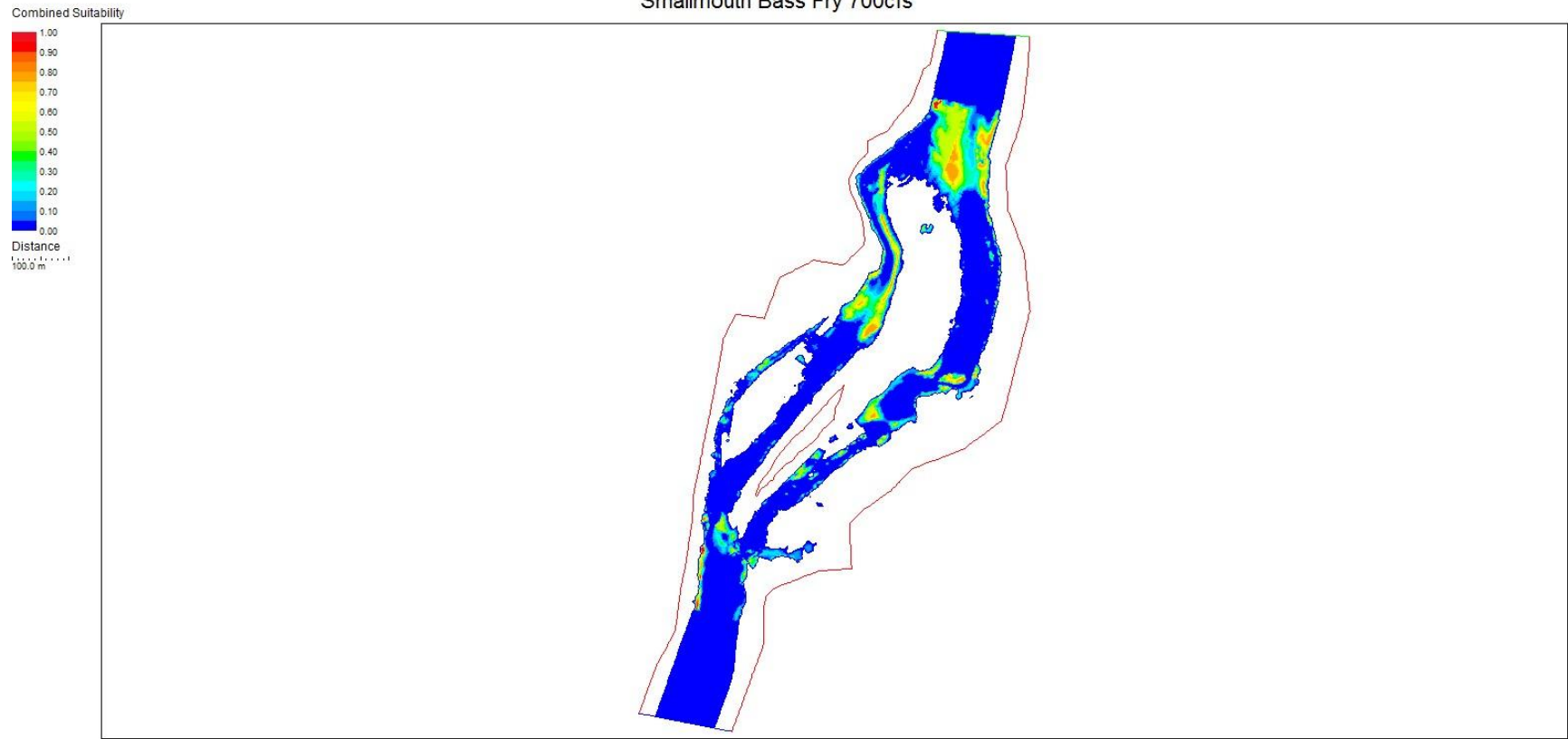
Smallmouth Bass Adult 15000cfs



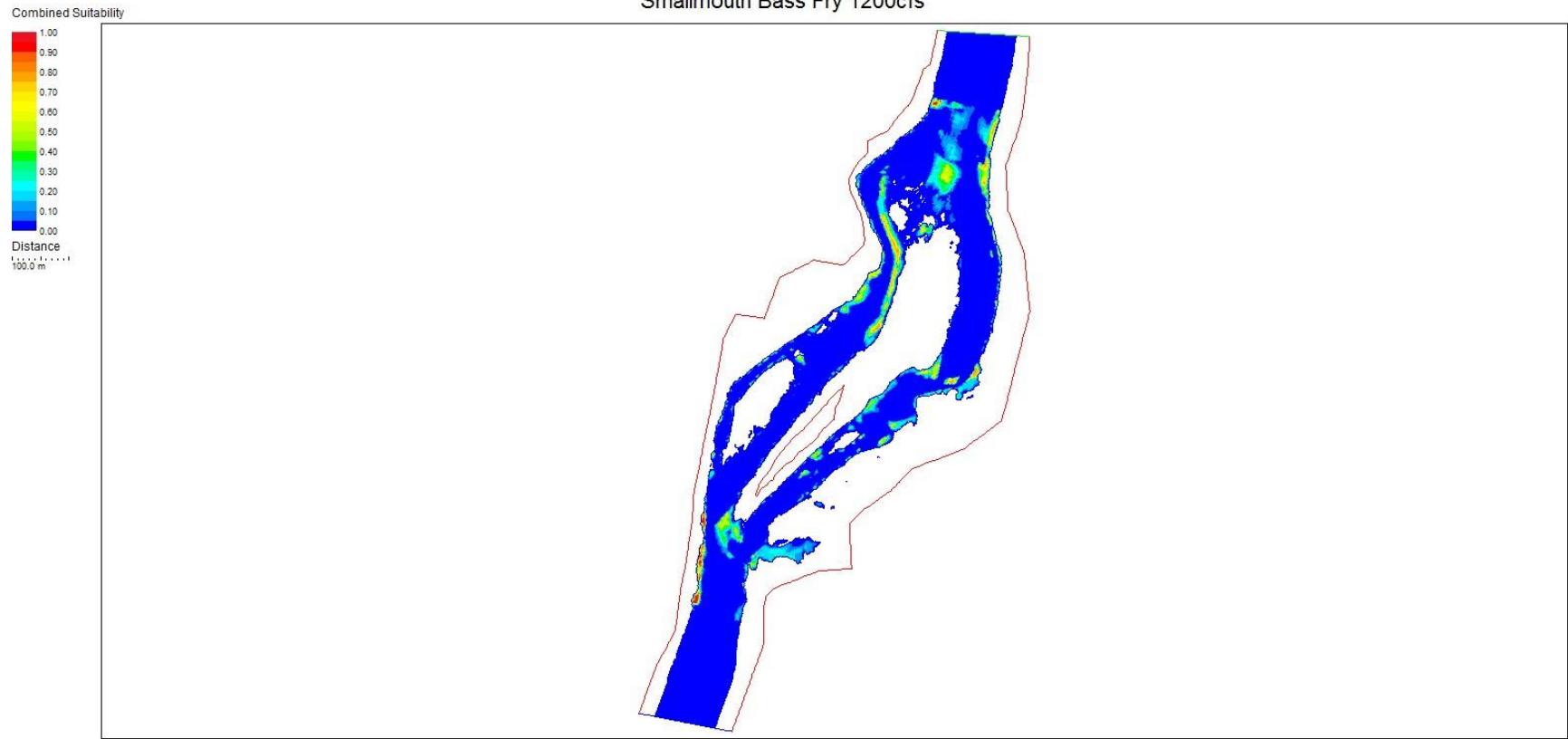




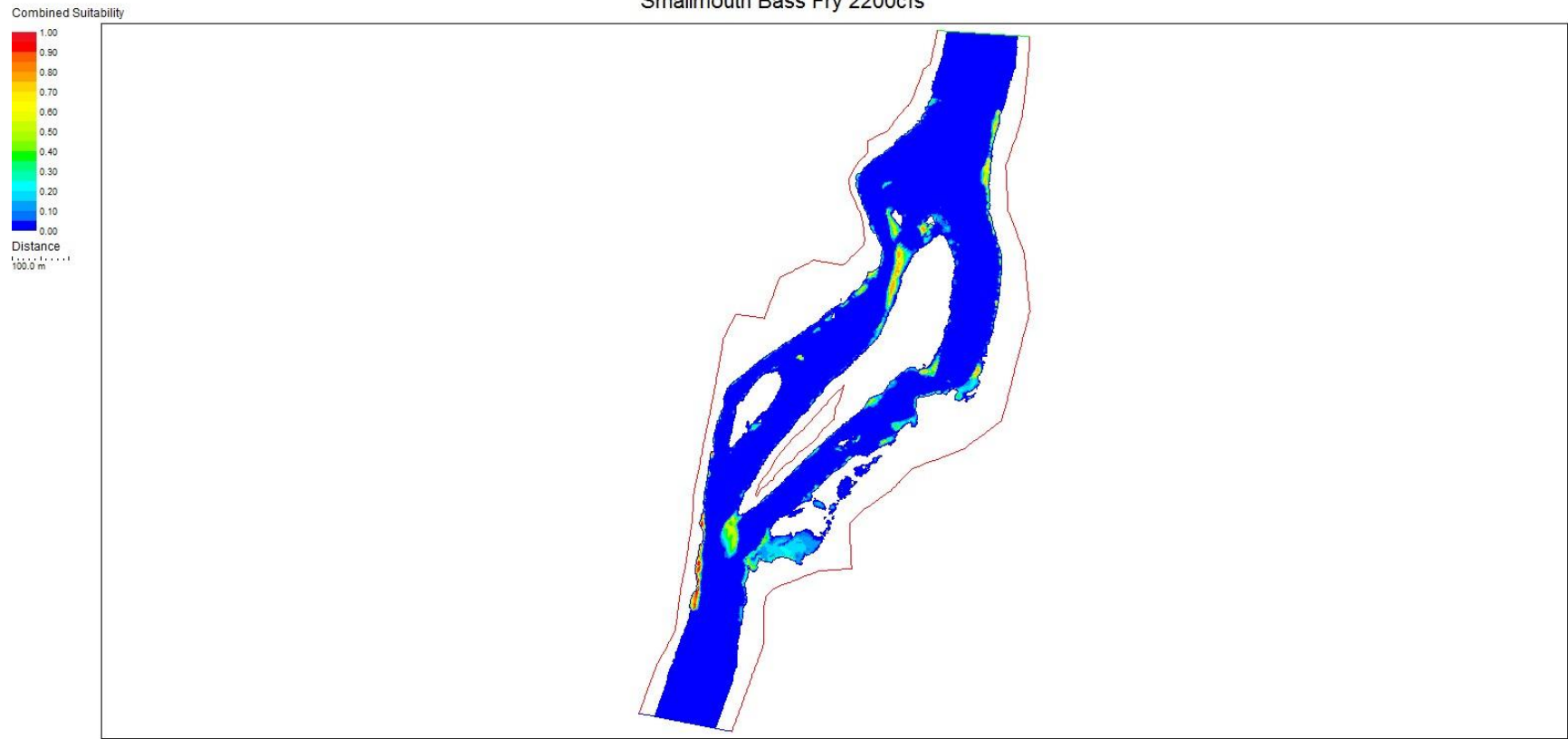
Smallmouth Bass Fry 700cfs



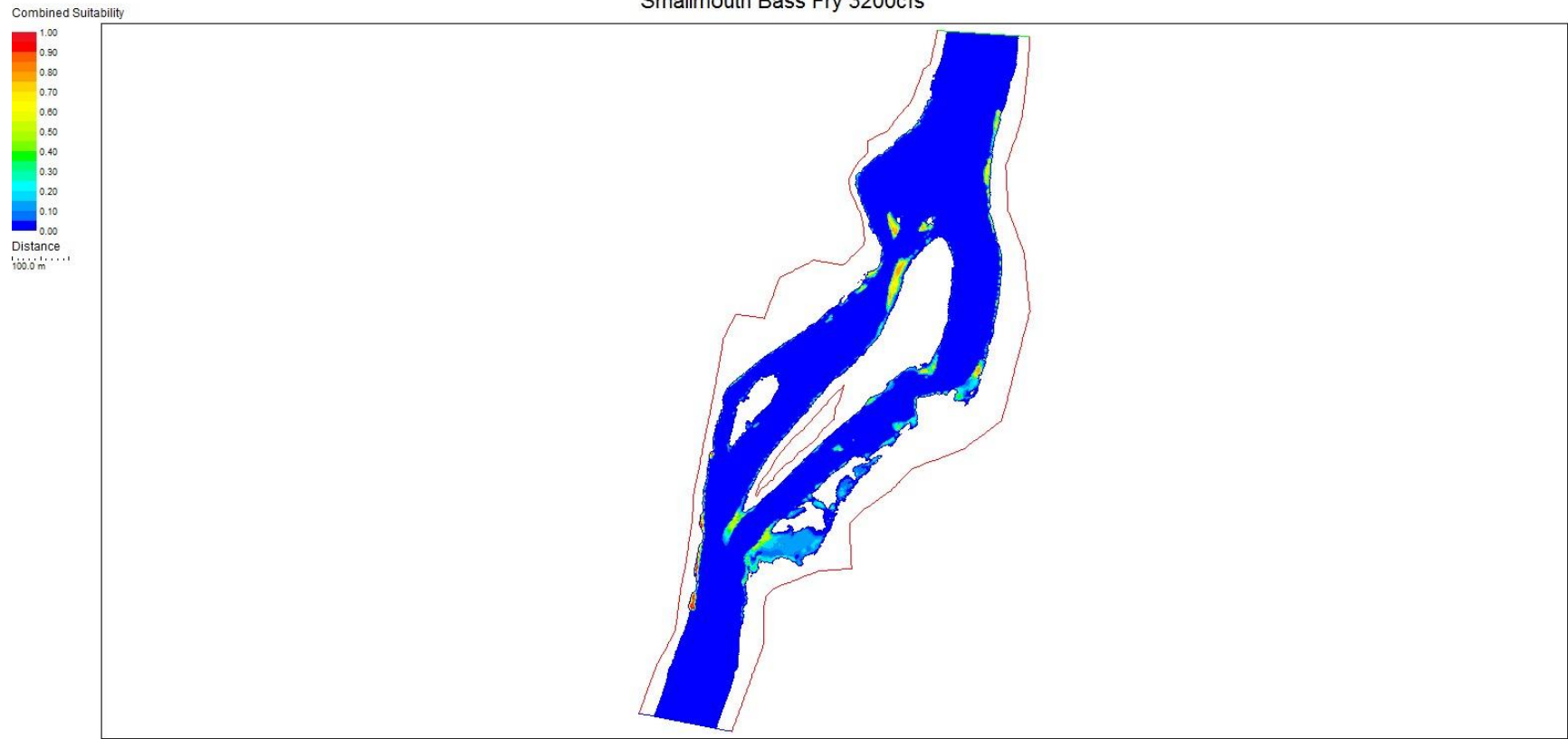
Smallmouth Bass Fry 1200cfs



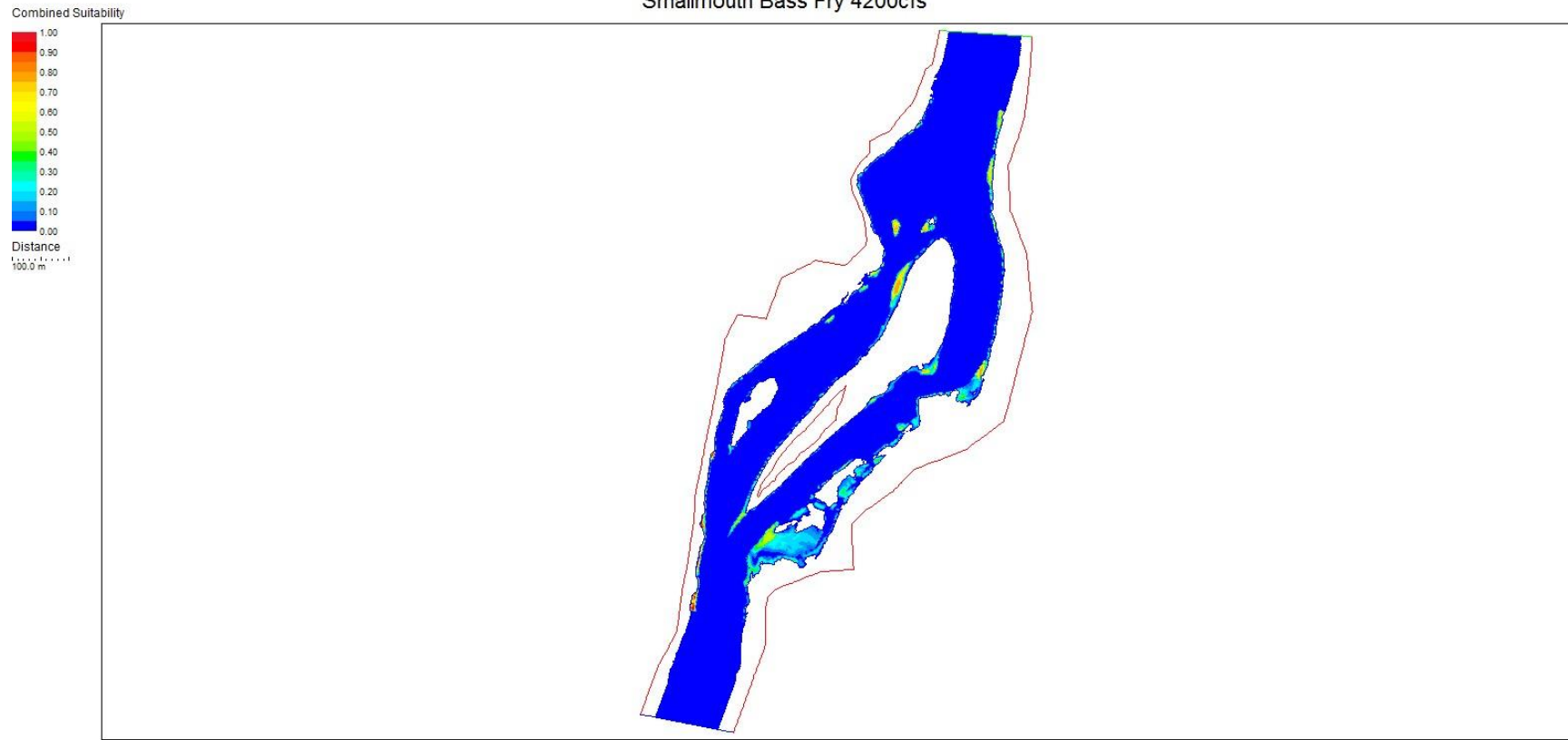
Smallmouth Bass Fry 2200cfs



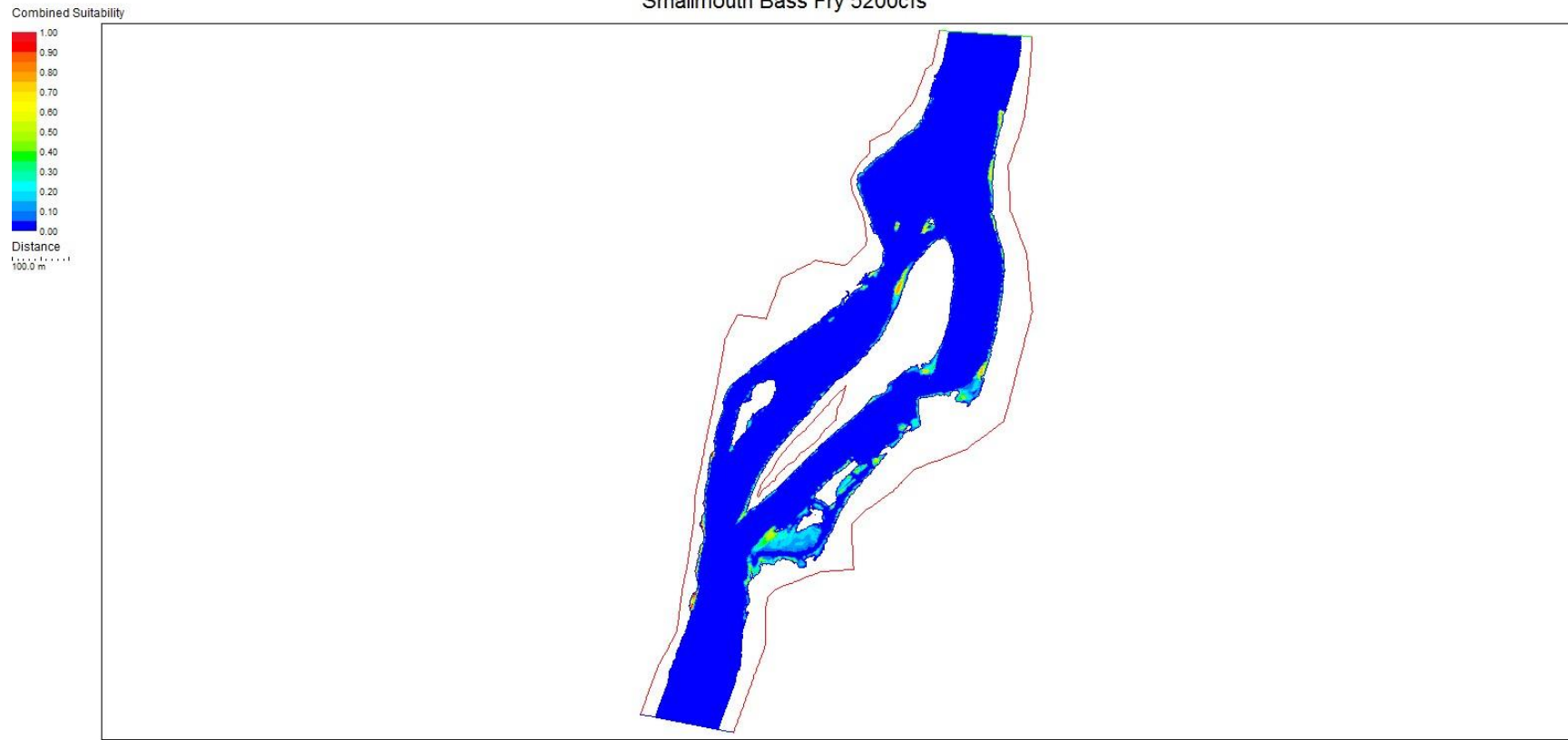
Smallmouth Bass Fry 3200cfs



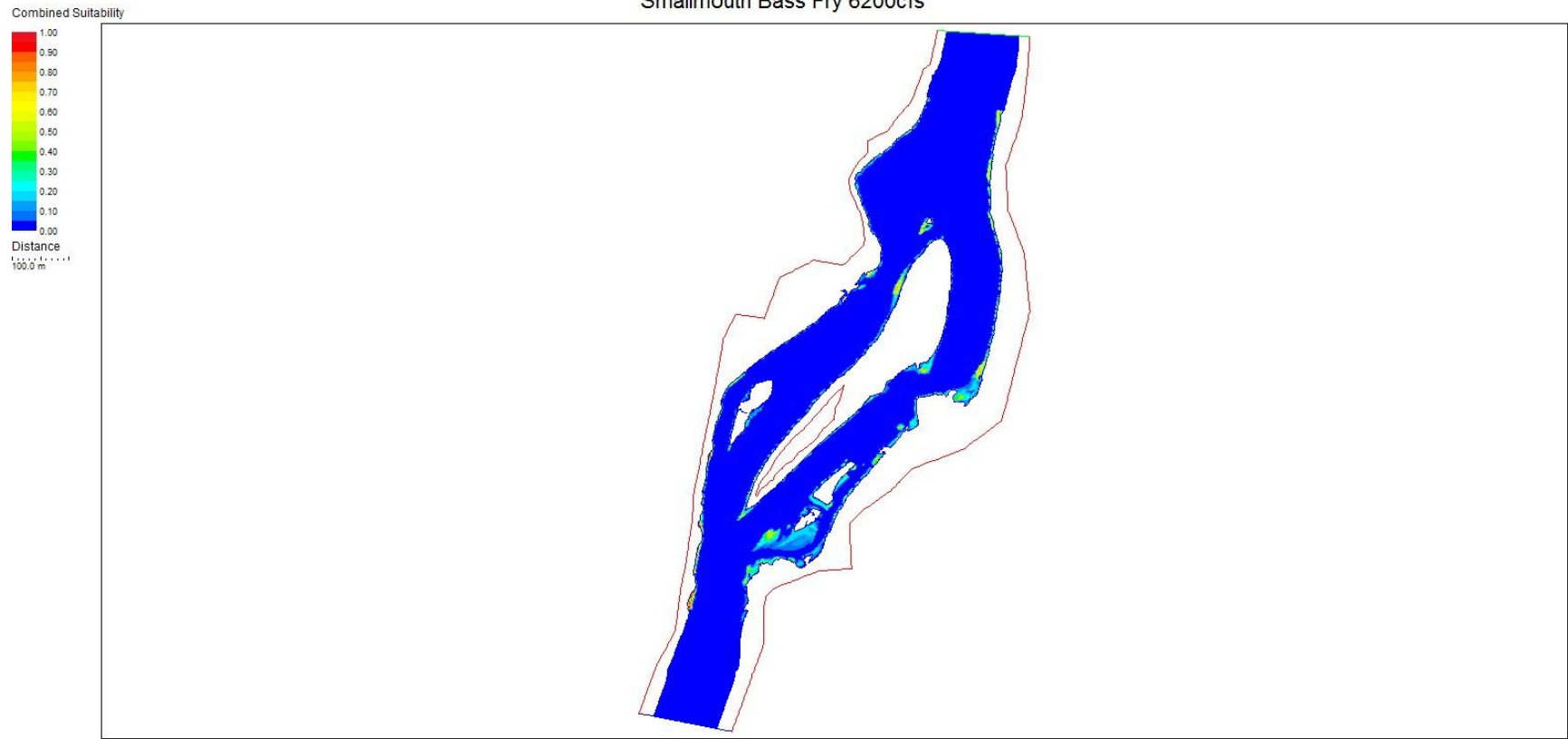
Smallmouth Bass Fry 4200cfs



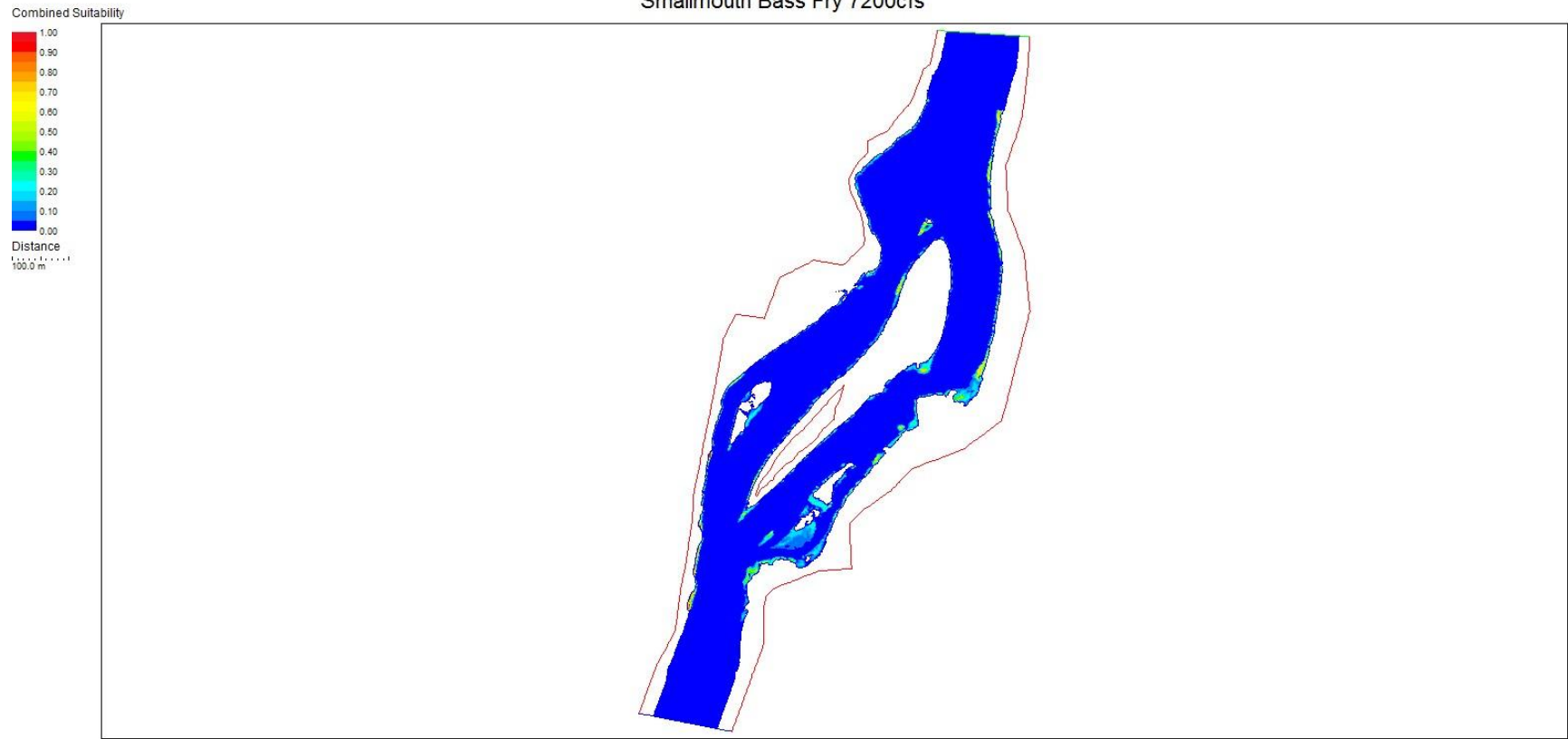
Smallmouth Bass Fry 5200cfs



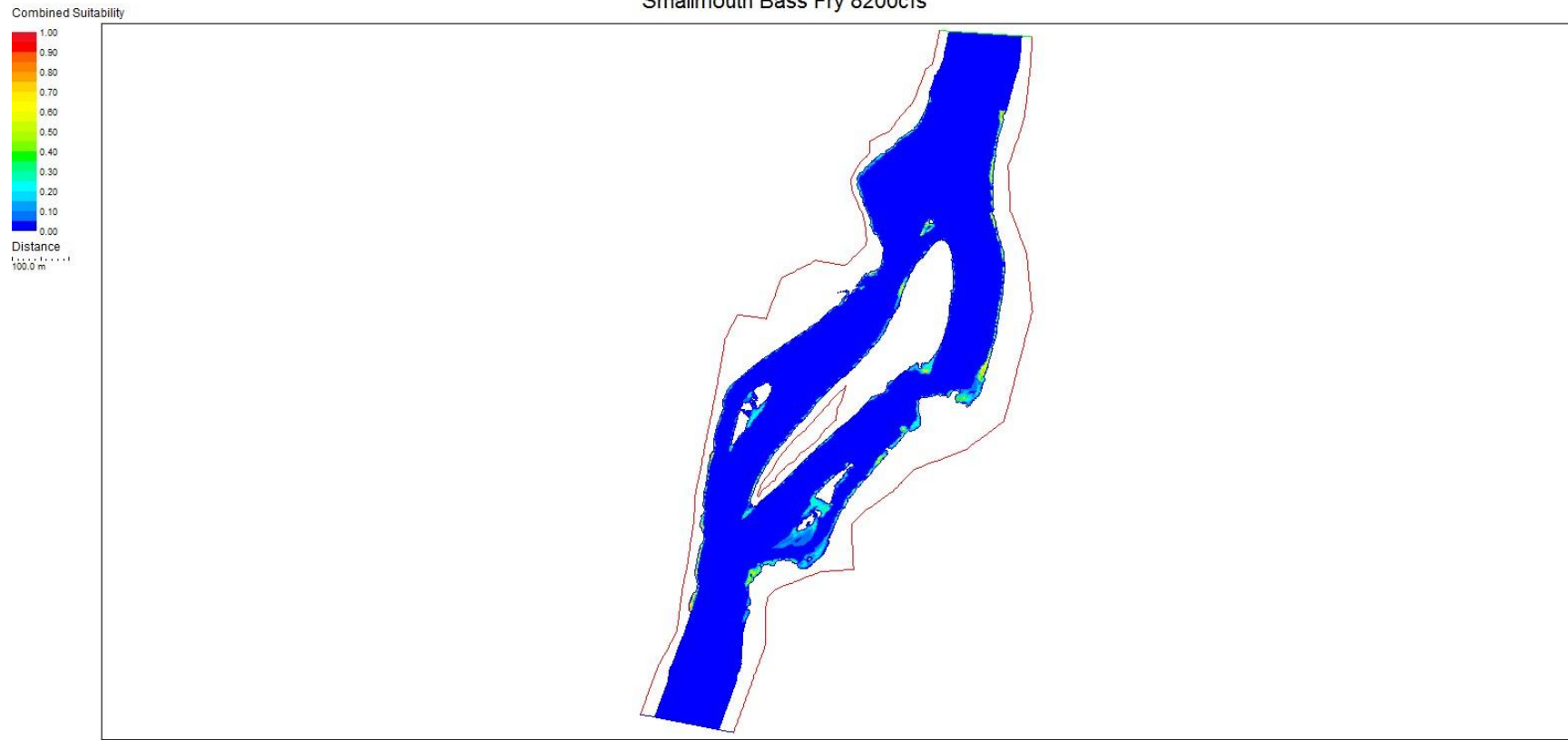
Smallmouth Bass Fry 6200cfs



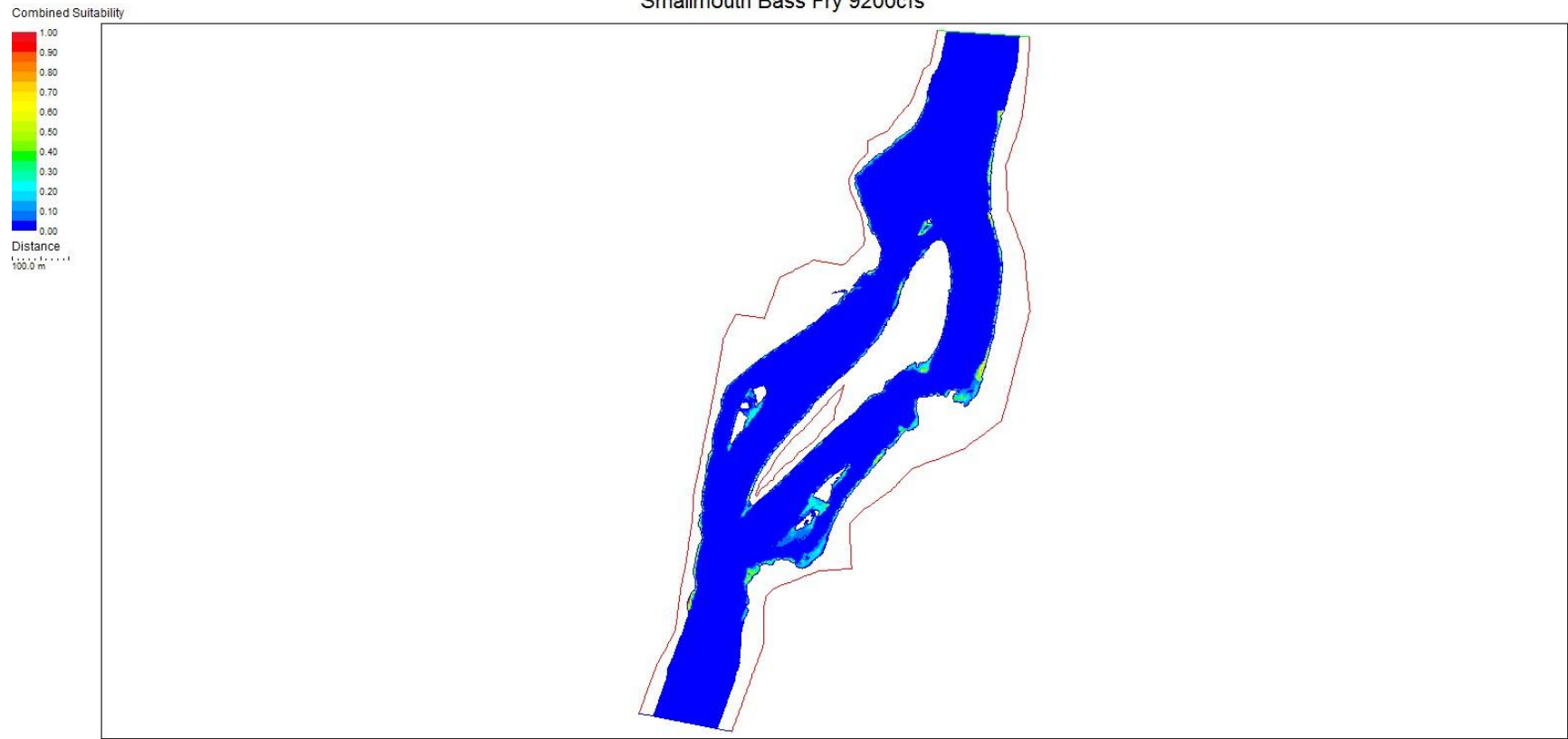
Smallmouth Bass Fry 7200cfs



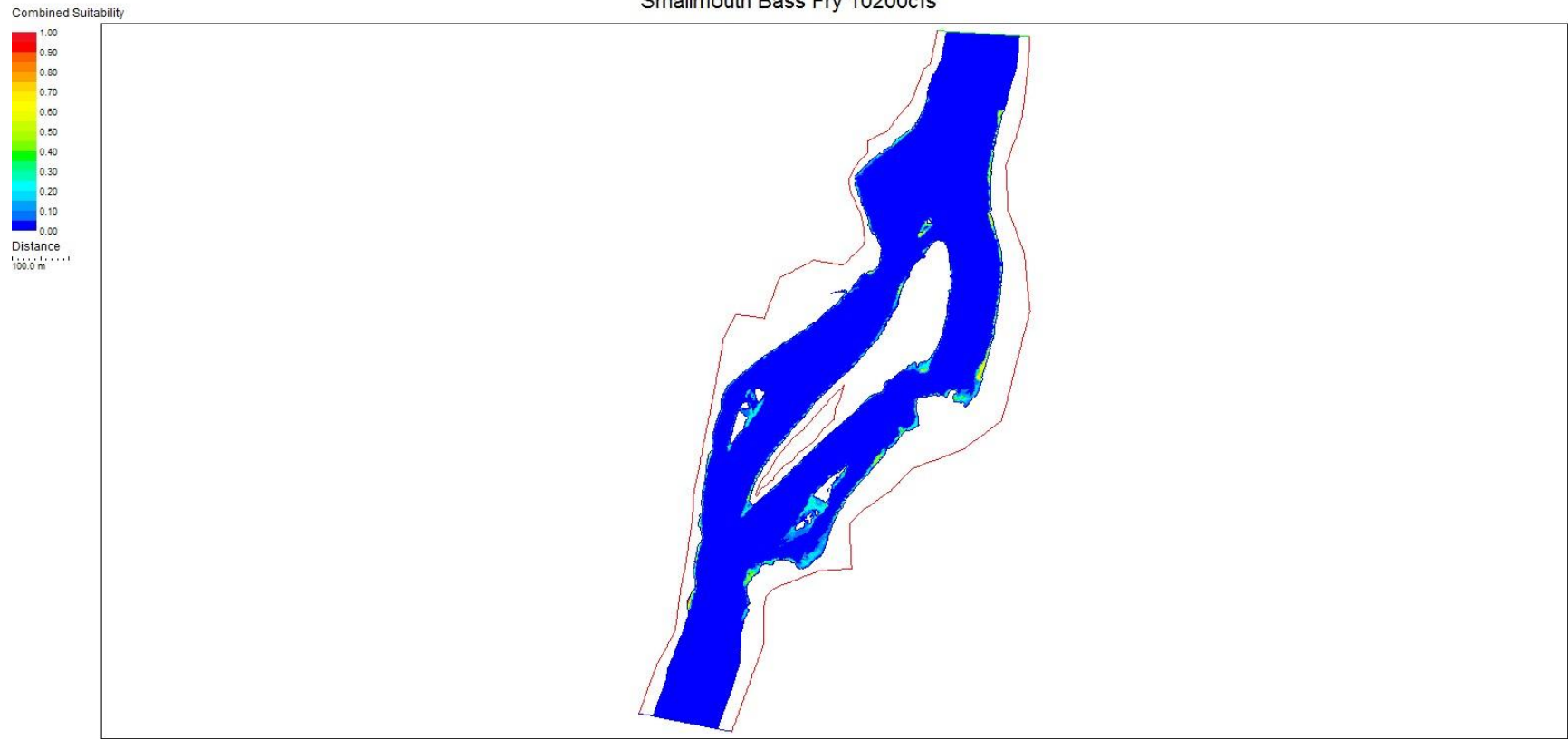
Smallmouth Bass Fry 8200cfs



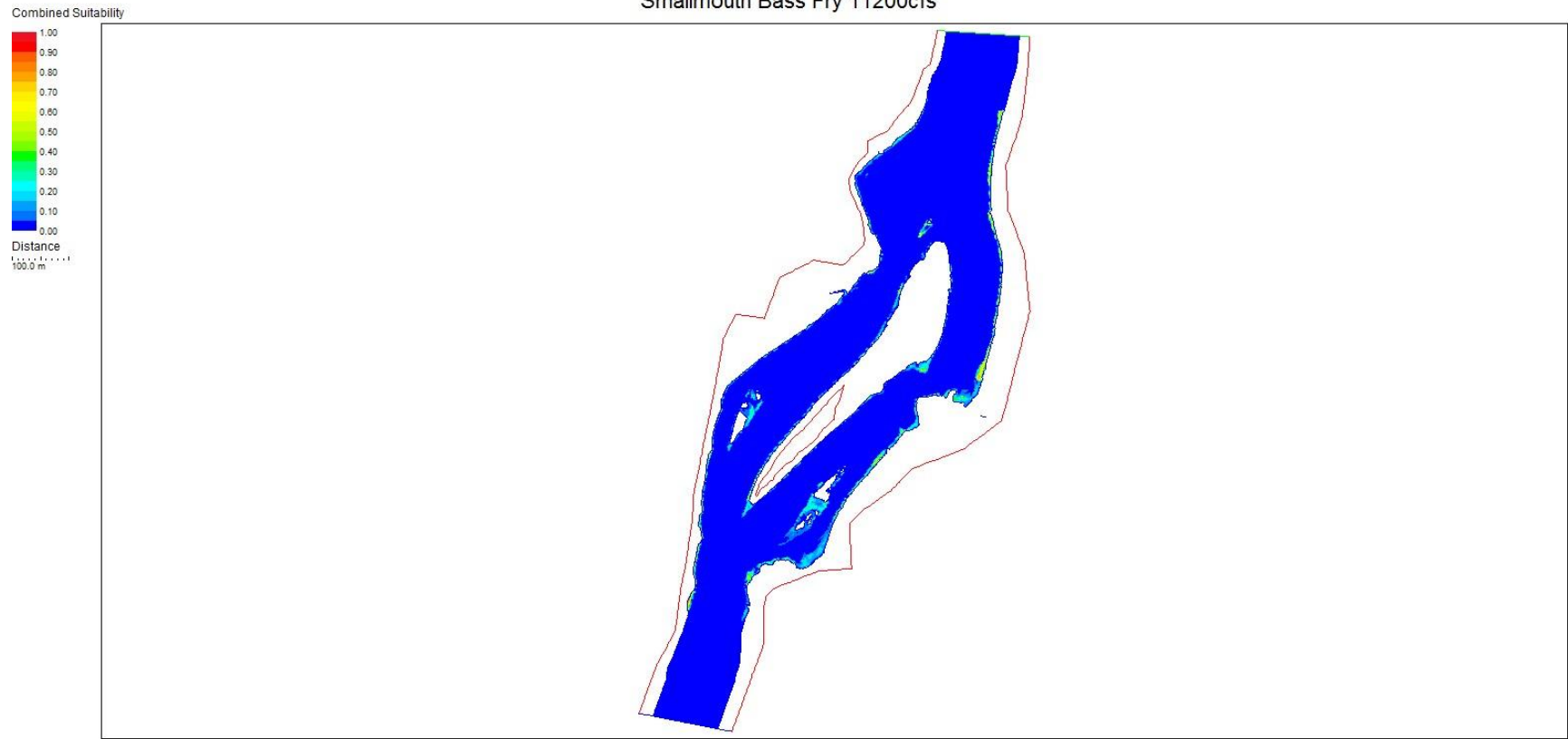
Smallmouth Bass Fry 9200cfs



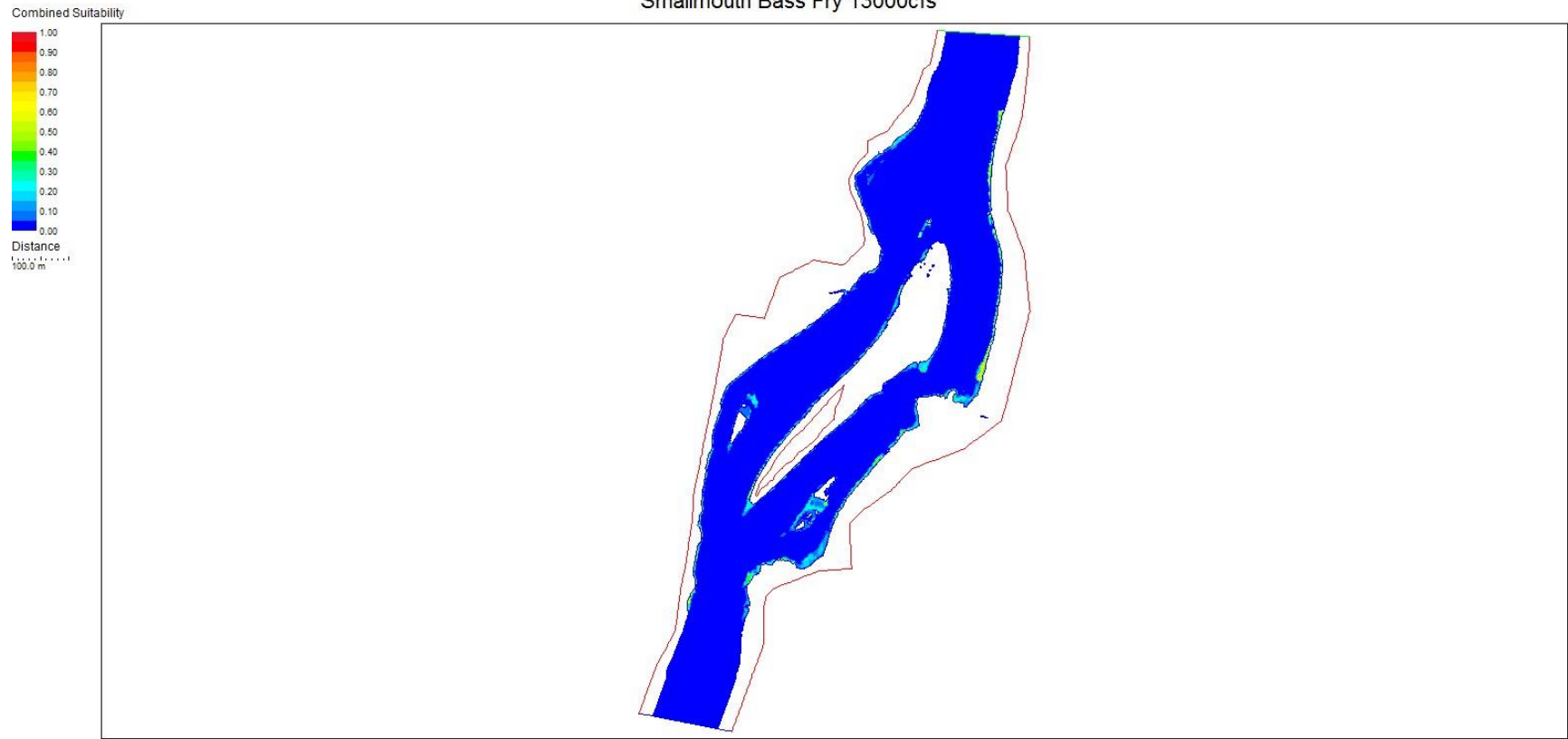
Smallmouth Bass Fry 10200cfs



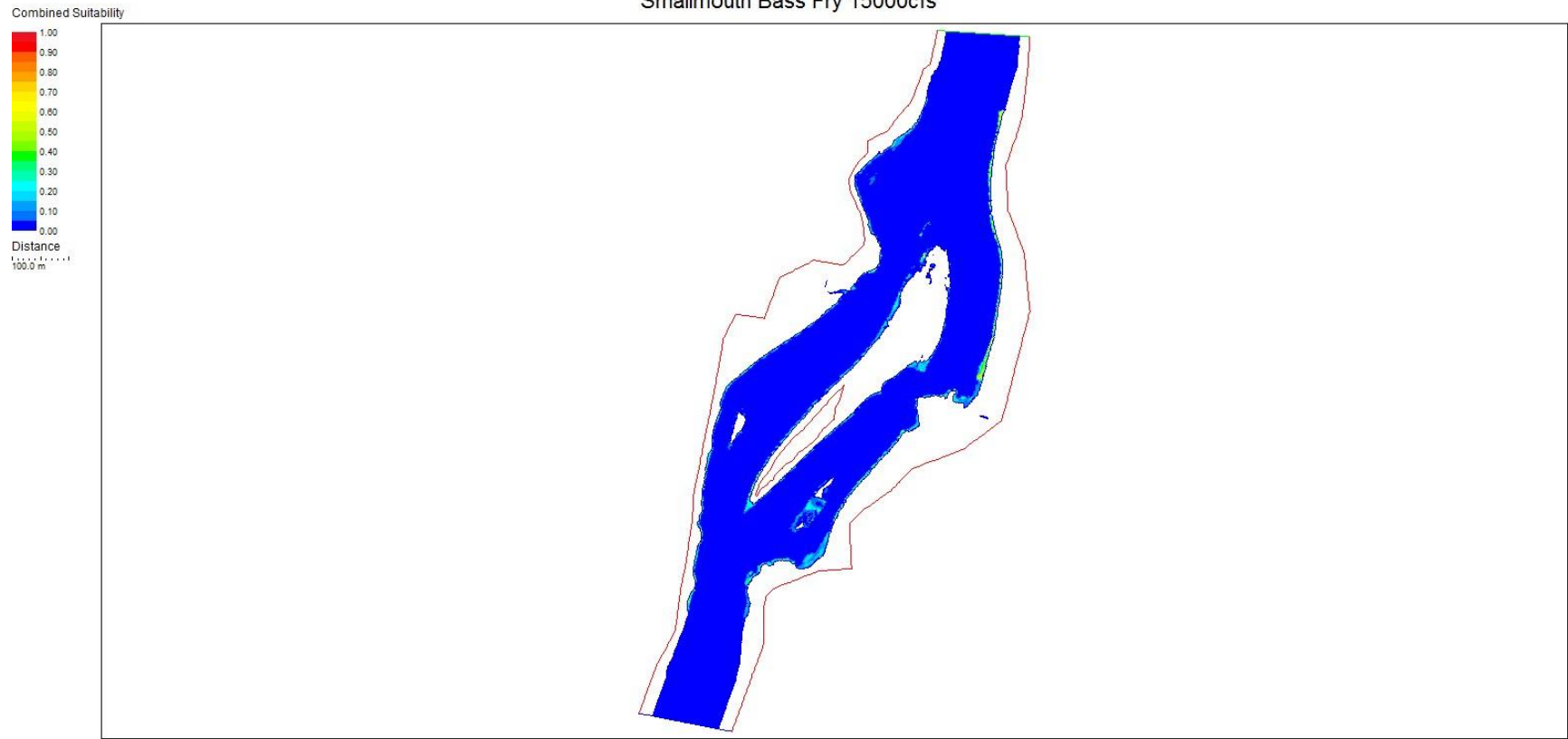
Smallmouth Bass Fry 11200cfs



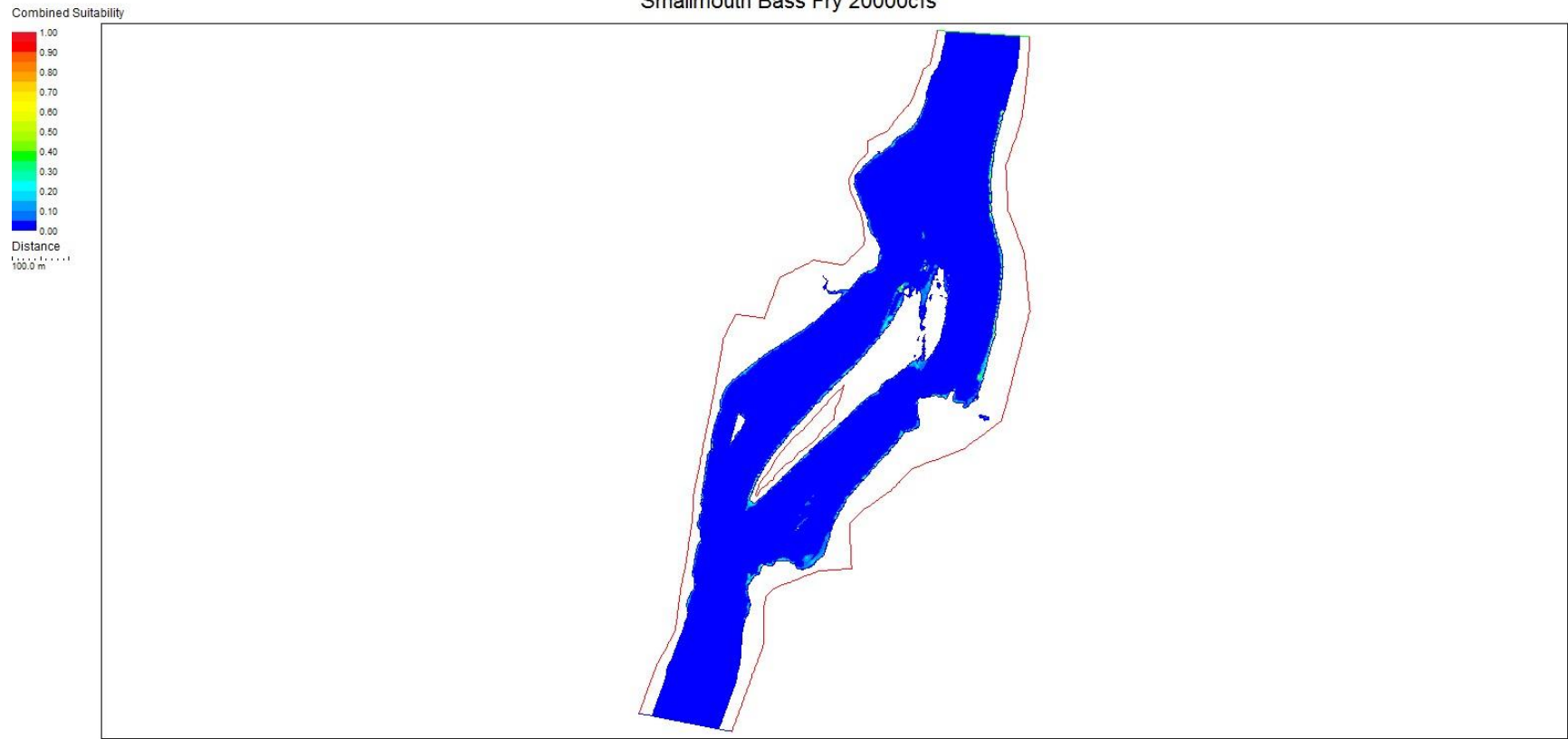
Smallmouth Bass Fry 13000cfs



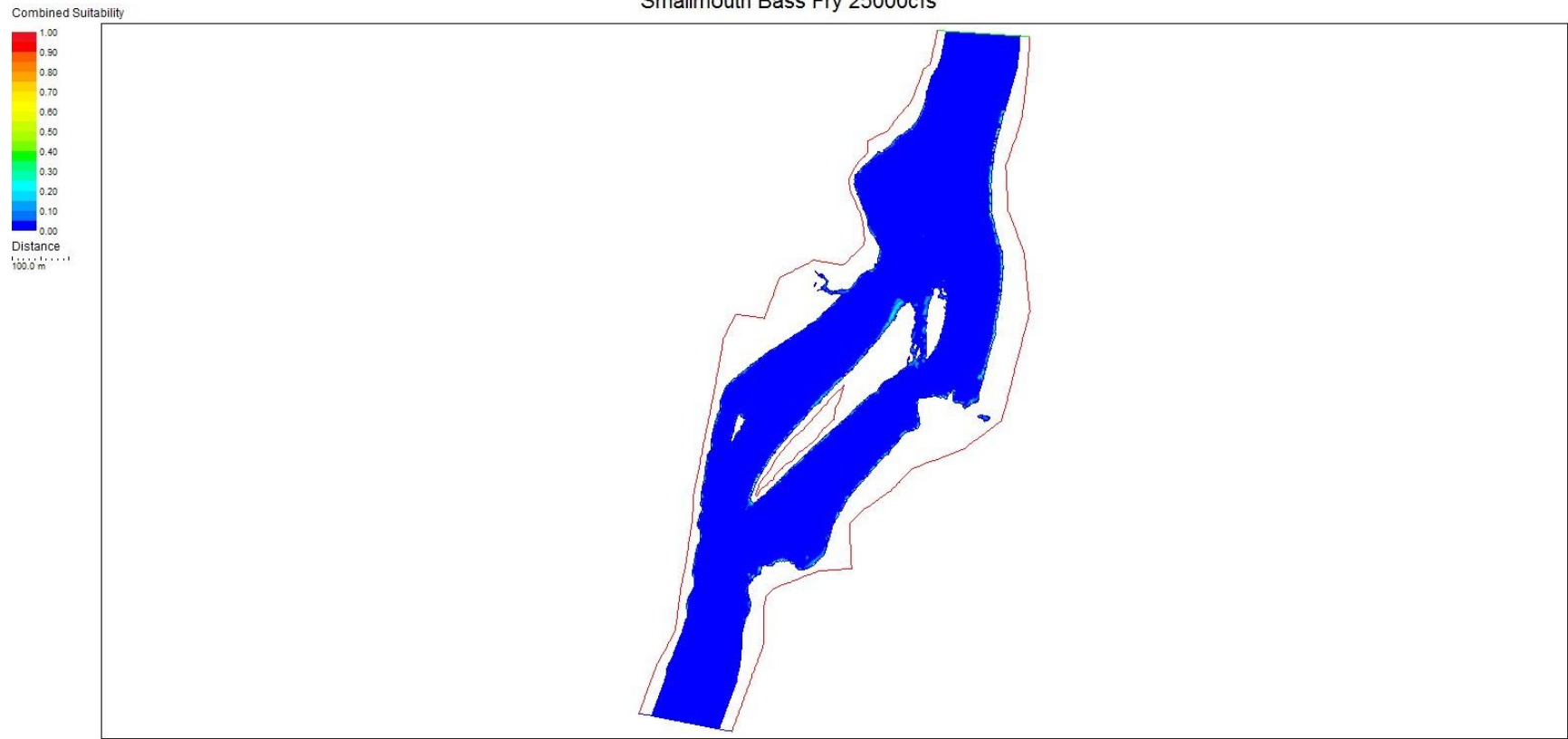
Smallmouth Bass Fry 15000cfs



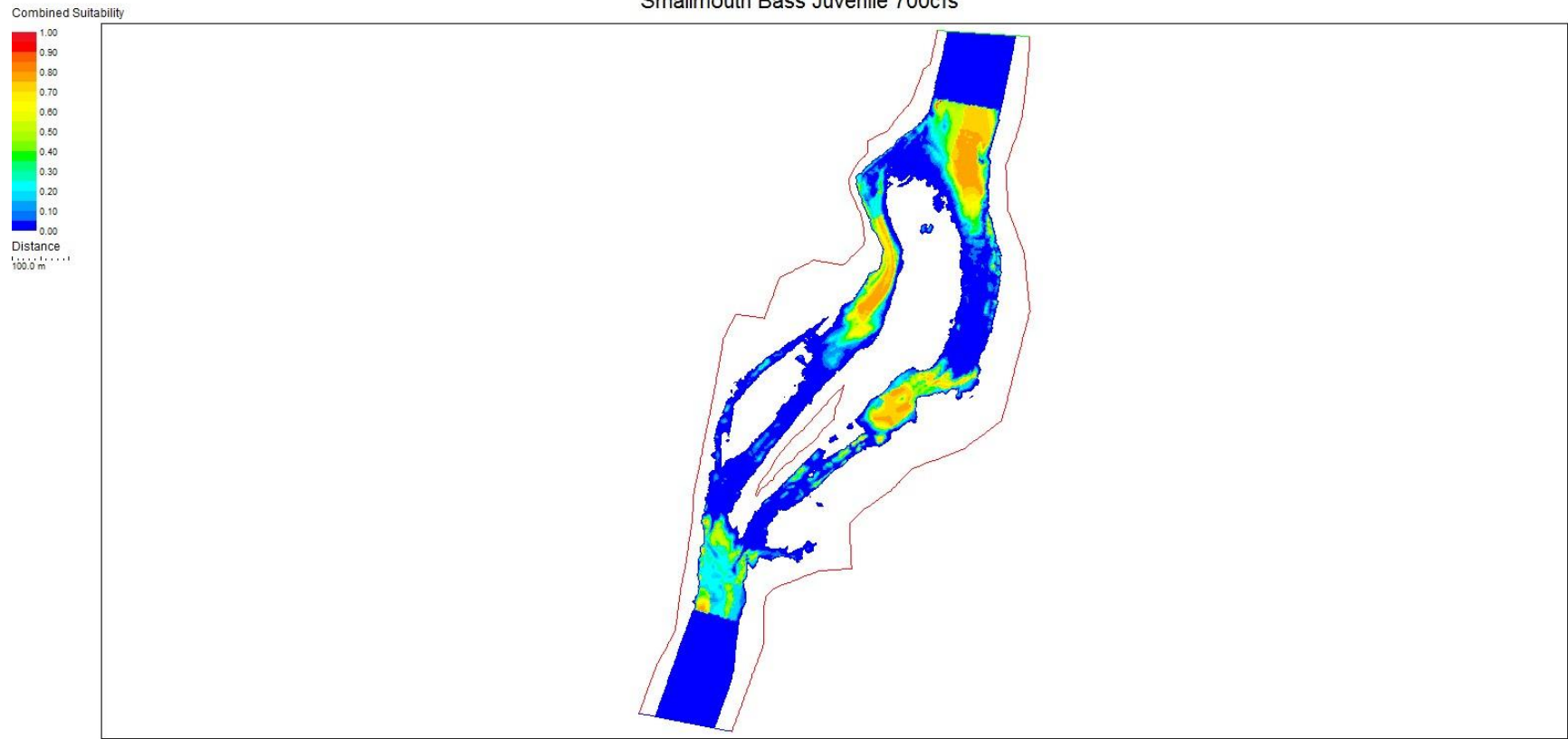
Smallmouth Bass Fry 20000cfs



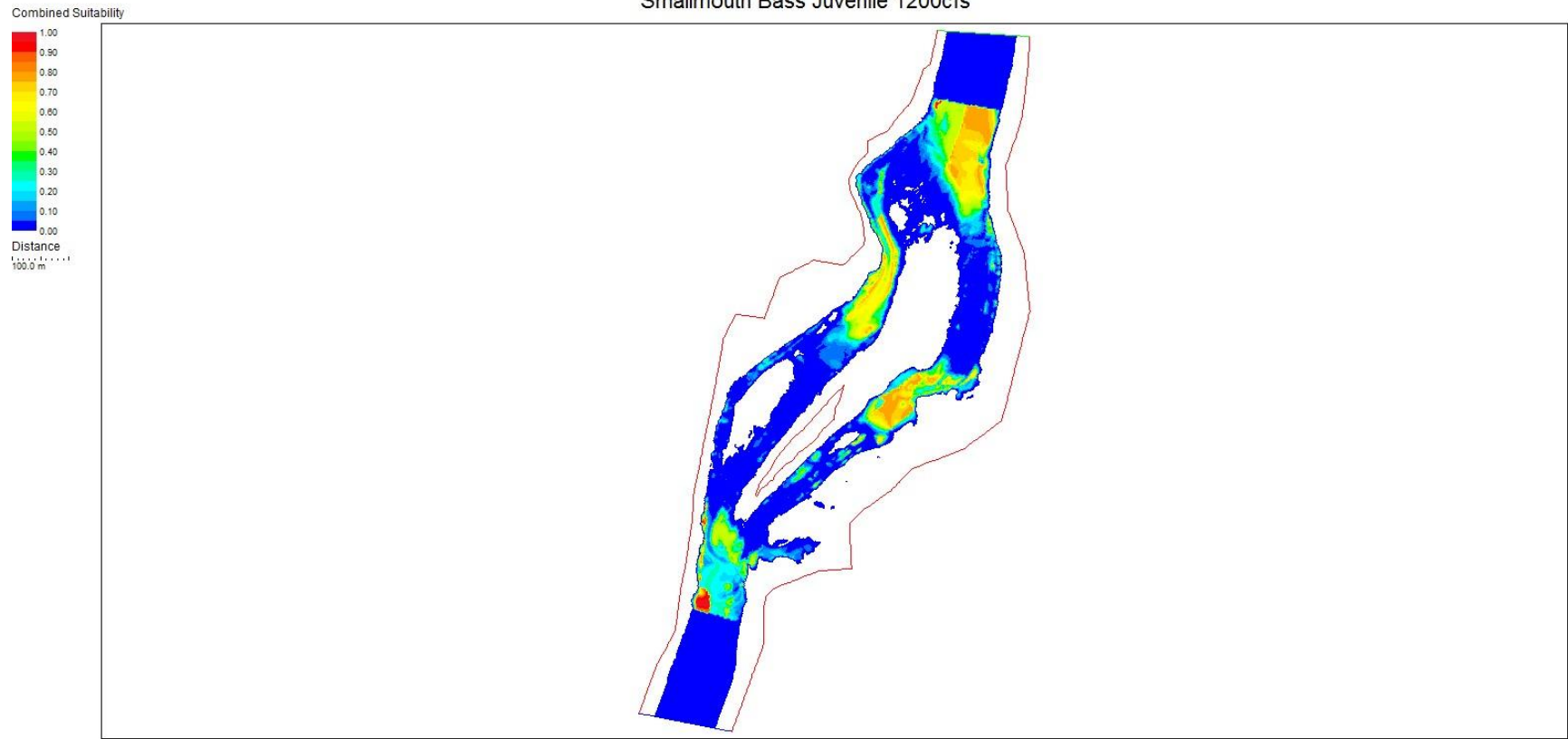
Smallmouth Bass Fry 25000cfs

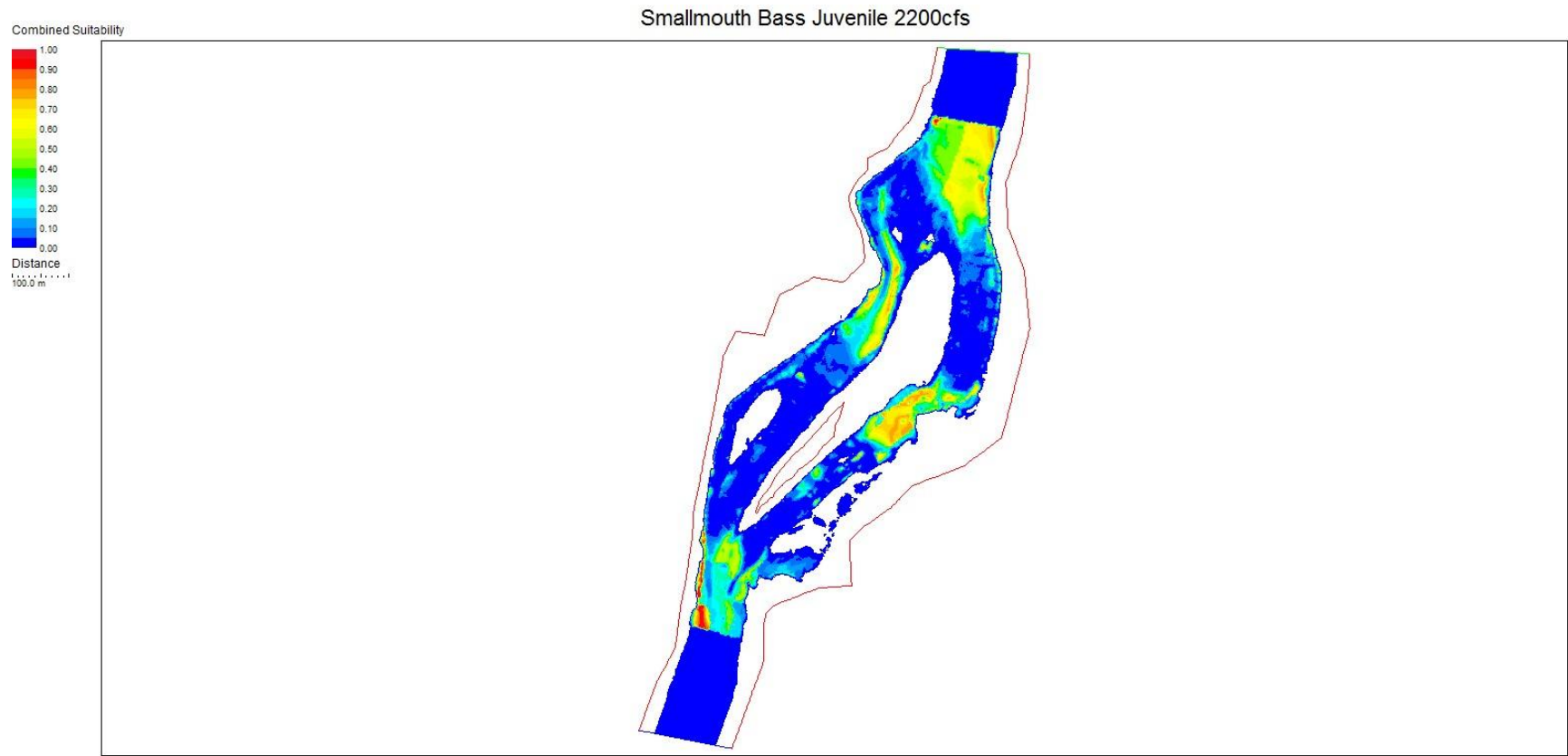


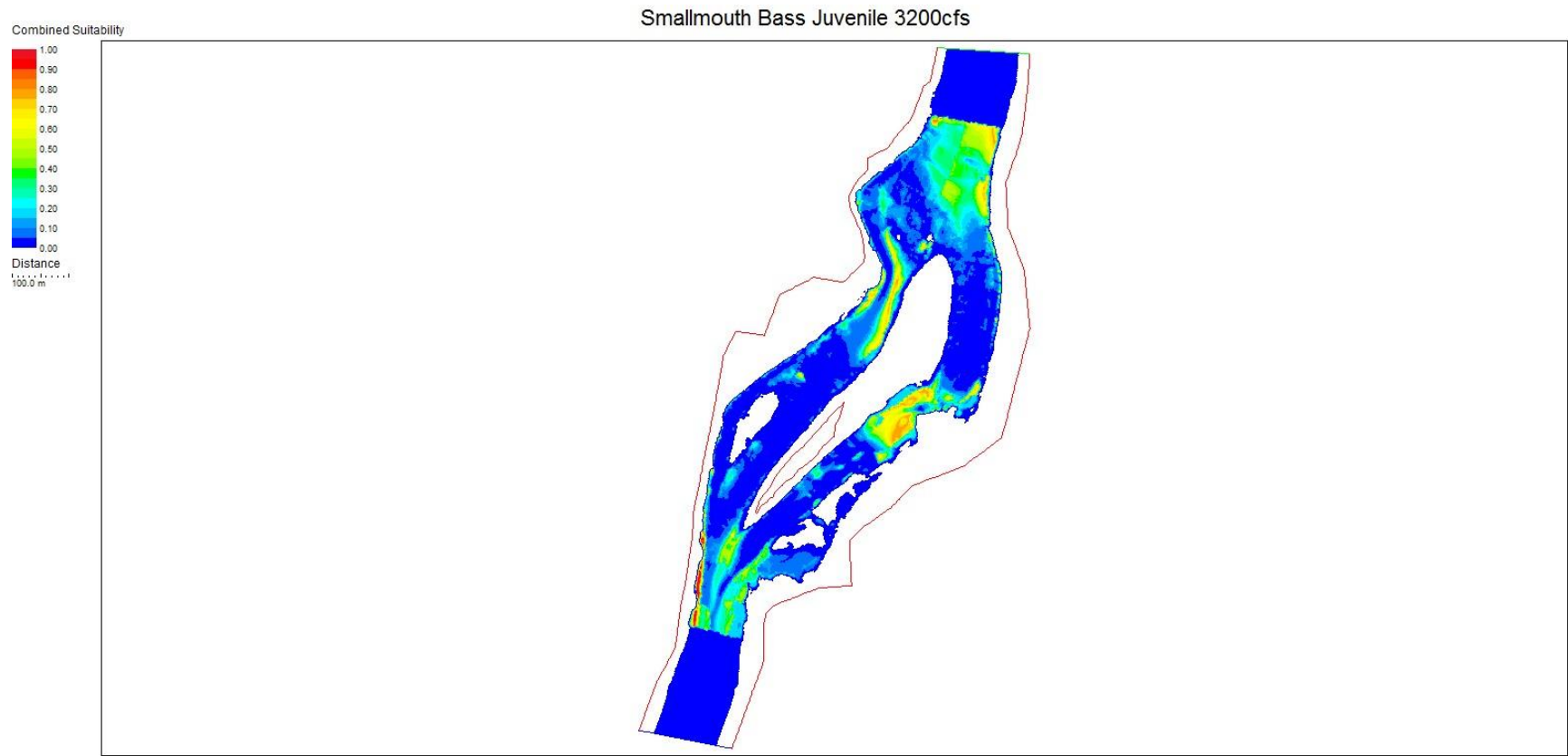
Smallmouth Bass Juvenile 700cfs



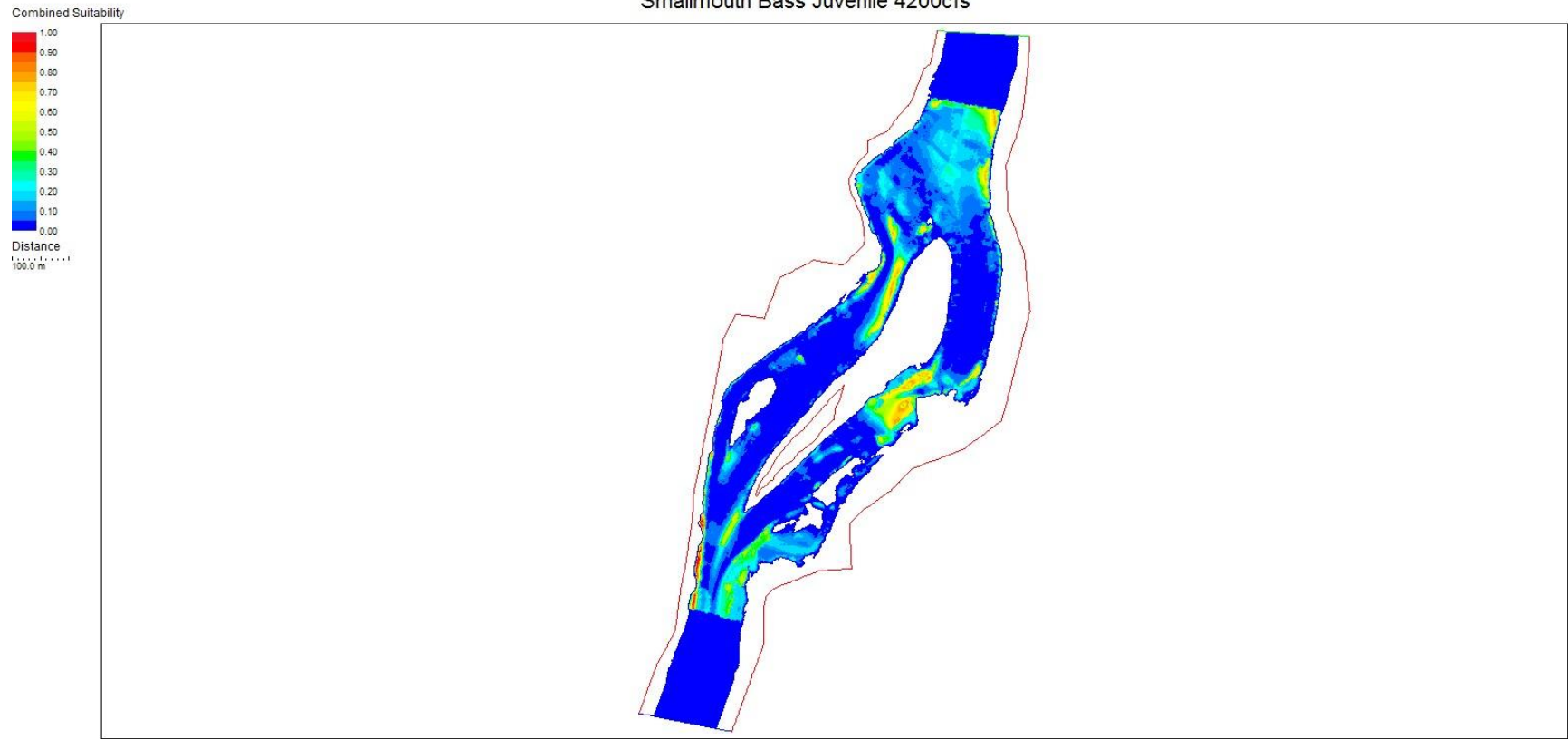
Smallmouth Bass Juvenile 1200cfs



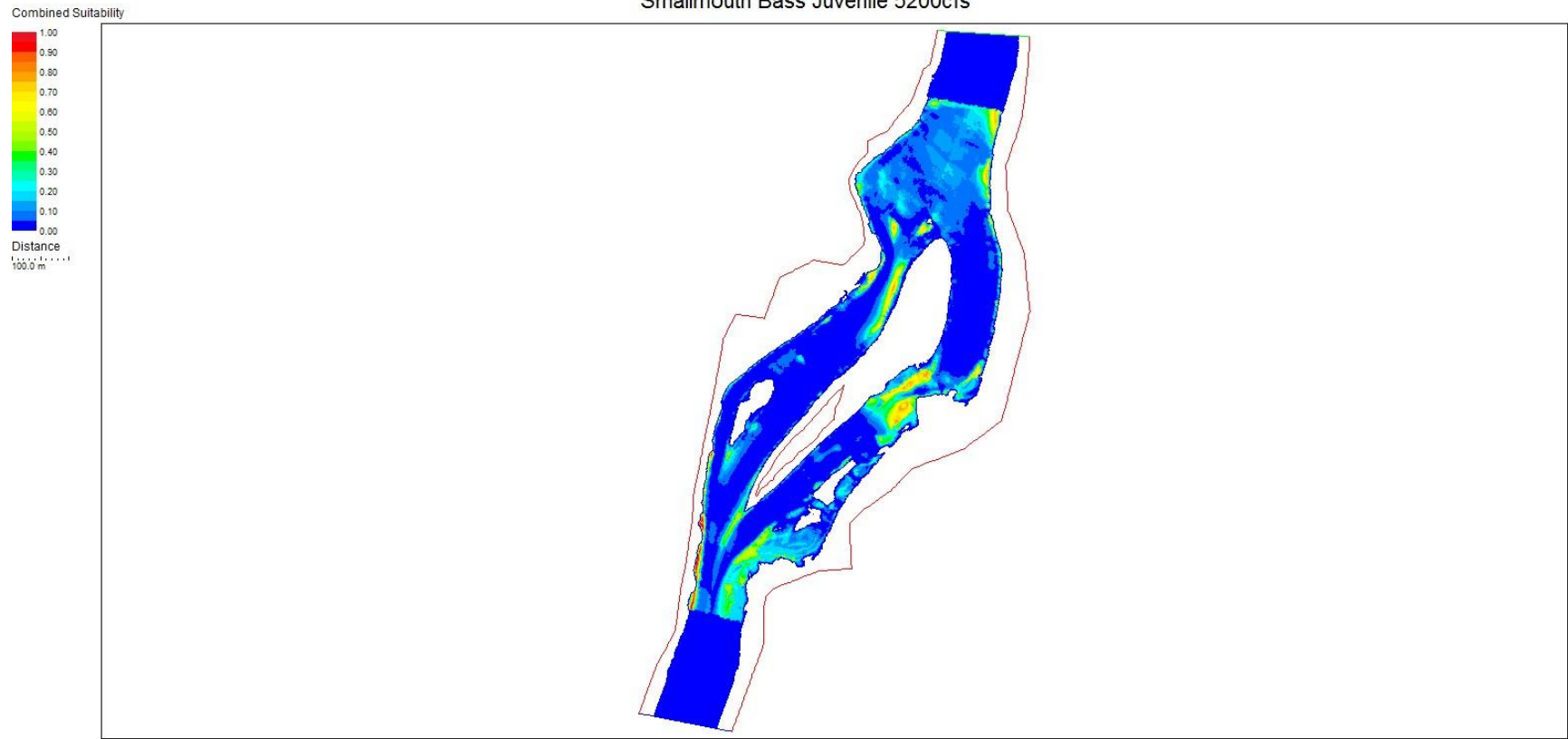




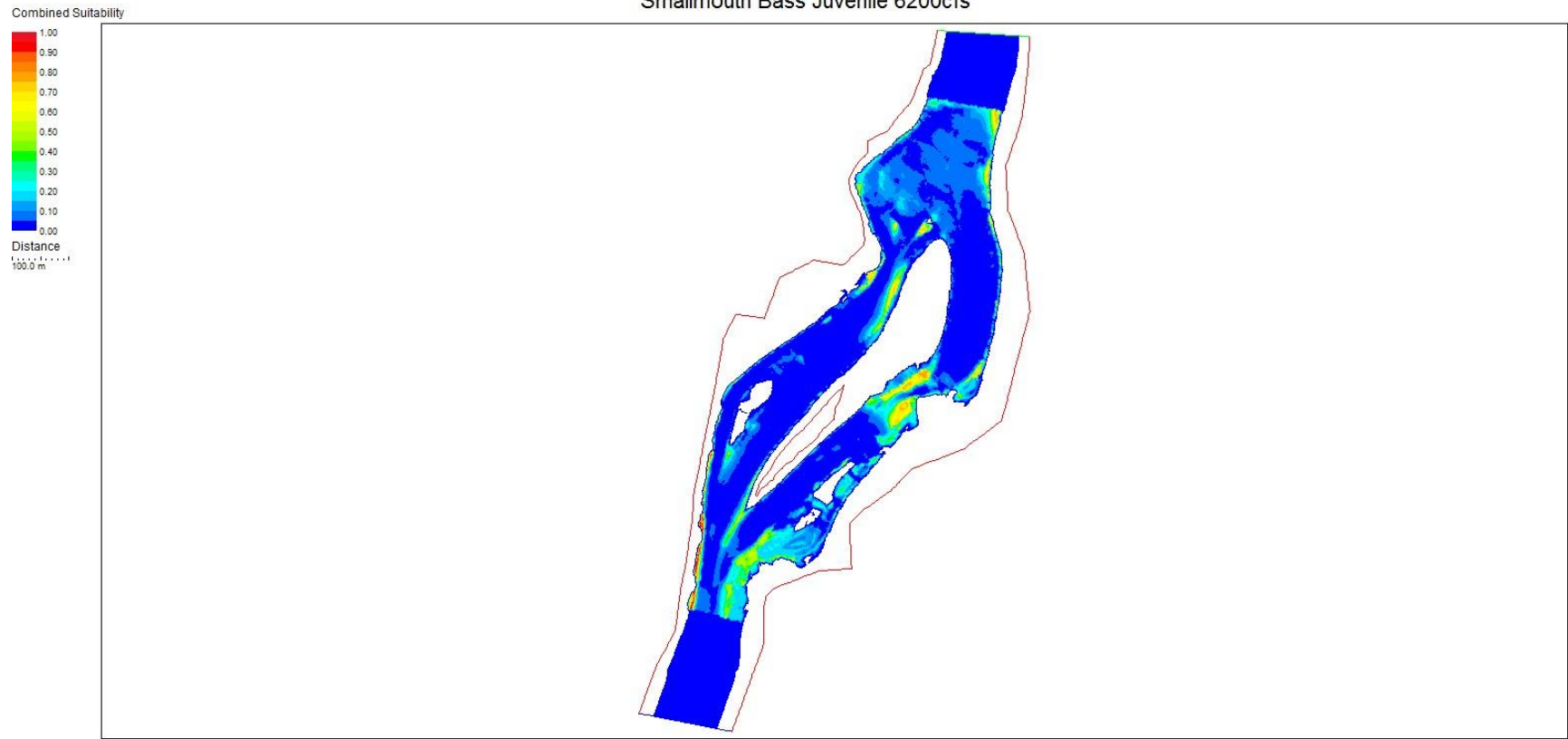
Smallmouth Bass Juvenile 4200cfs



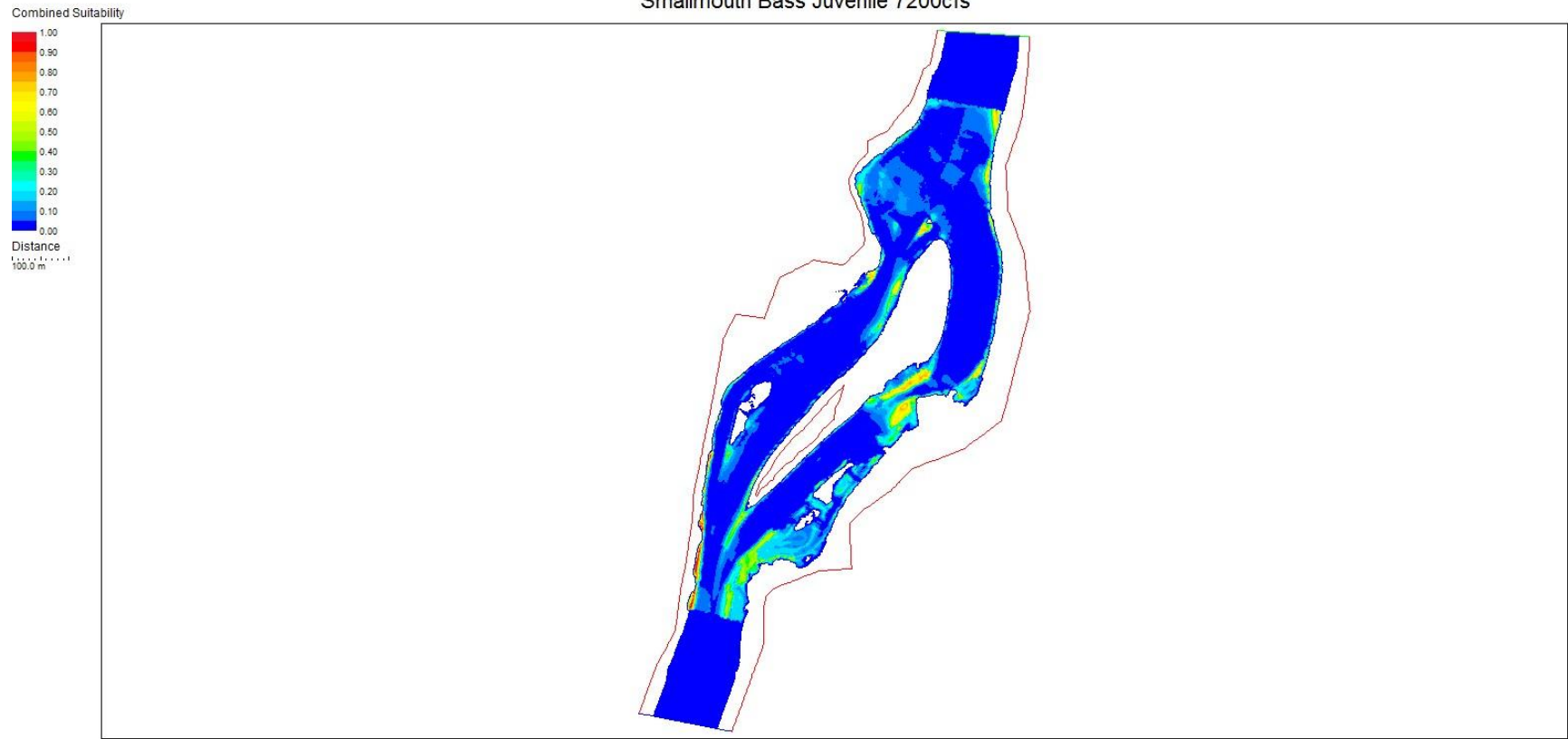
Smallmouth Bass Juvenile 5200cfs



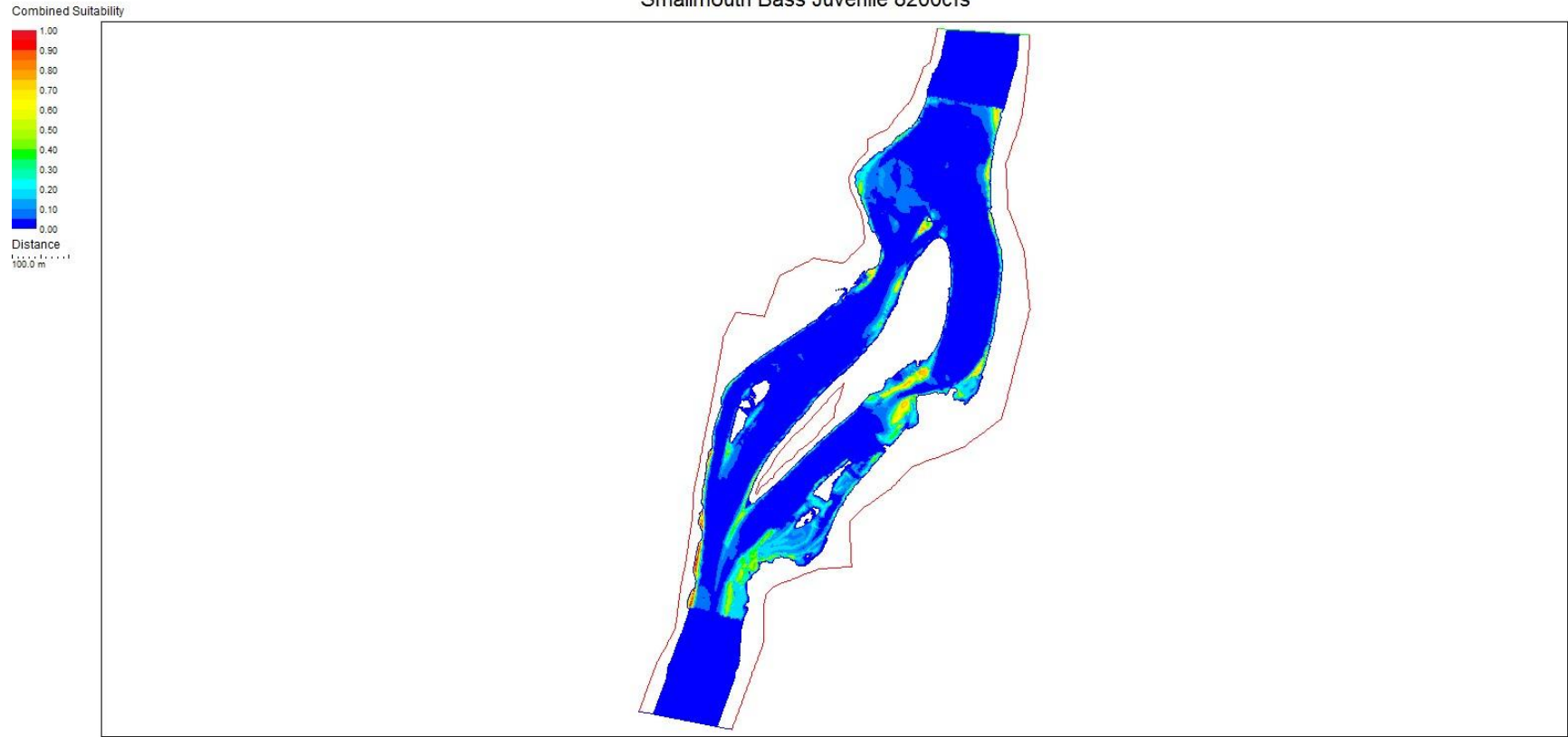
Smallmouth Bass Juvenile 6200cfs



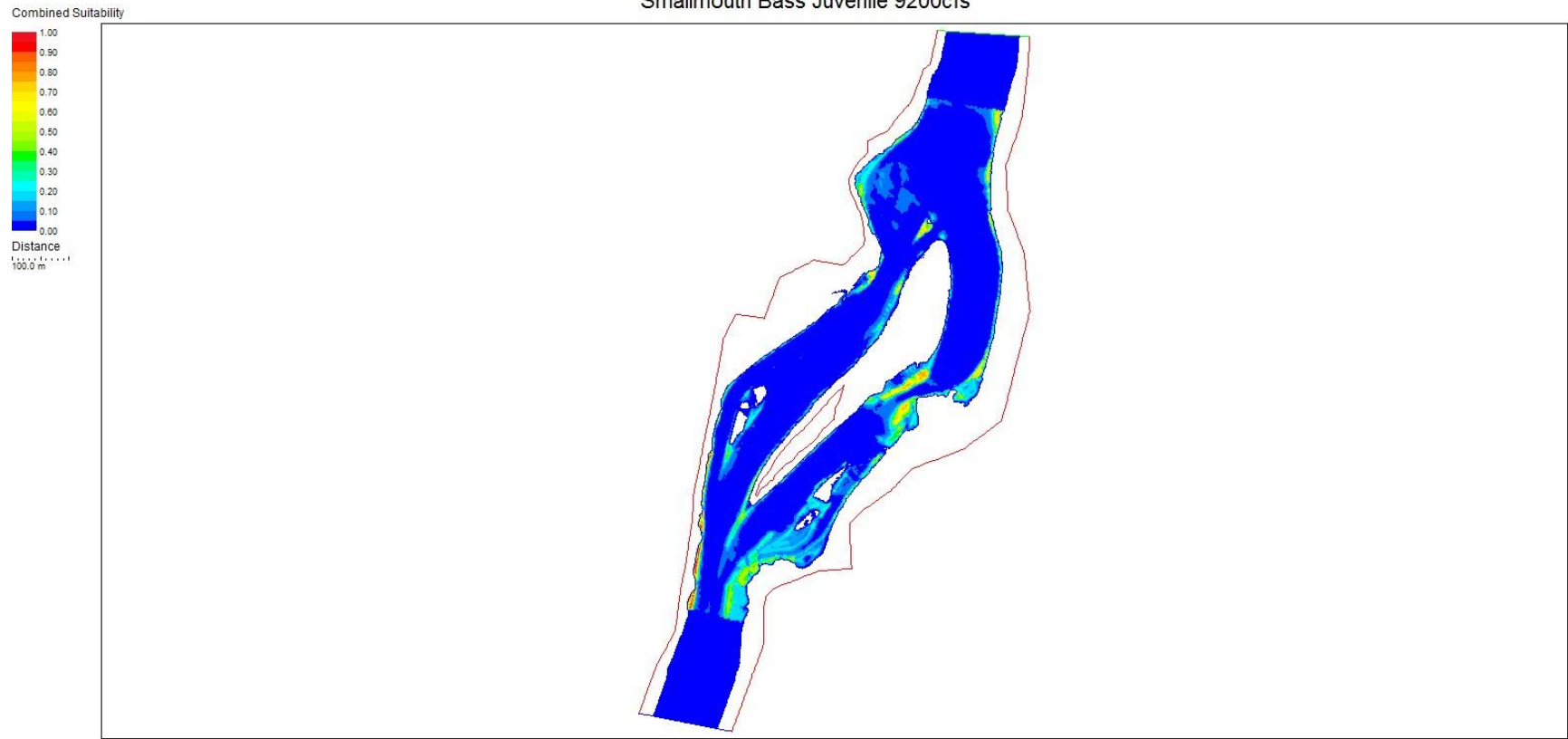
Smallmouth Bass Juvenile 7200cfs

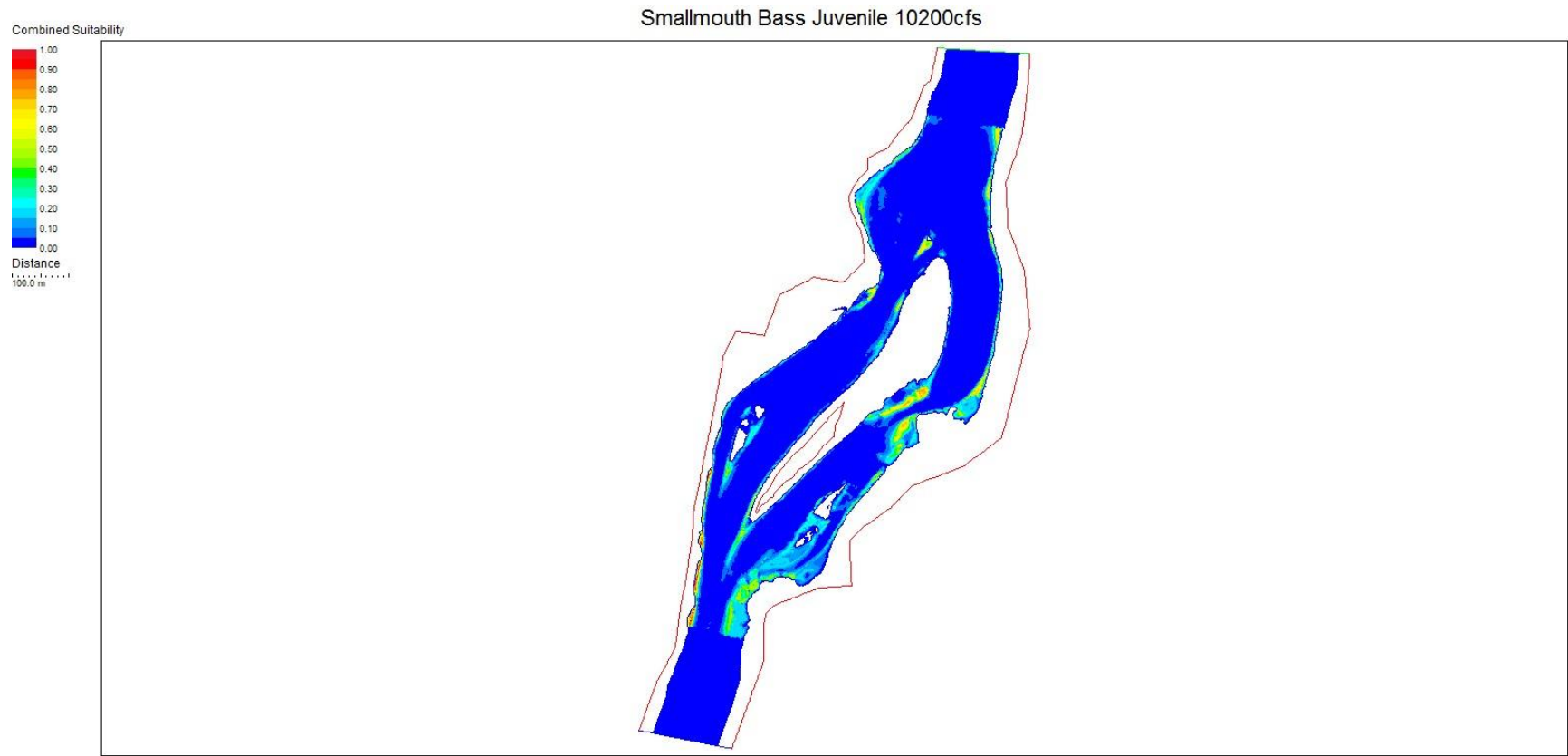


Smallmouth Bass Juvenile 8200cfs

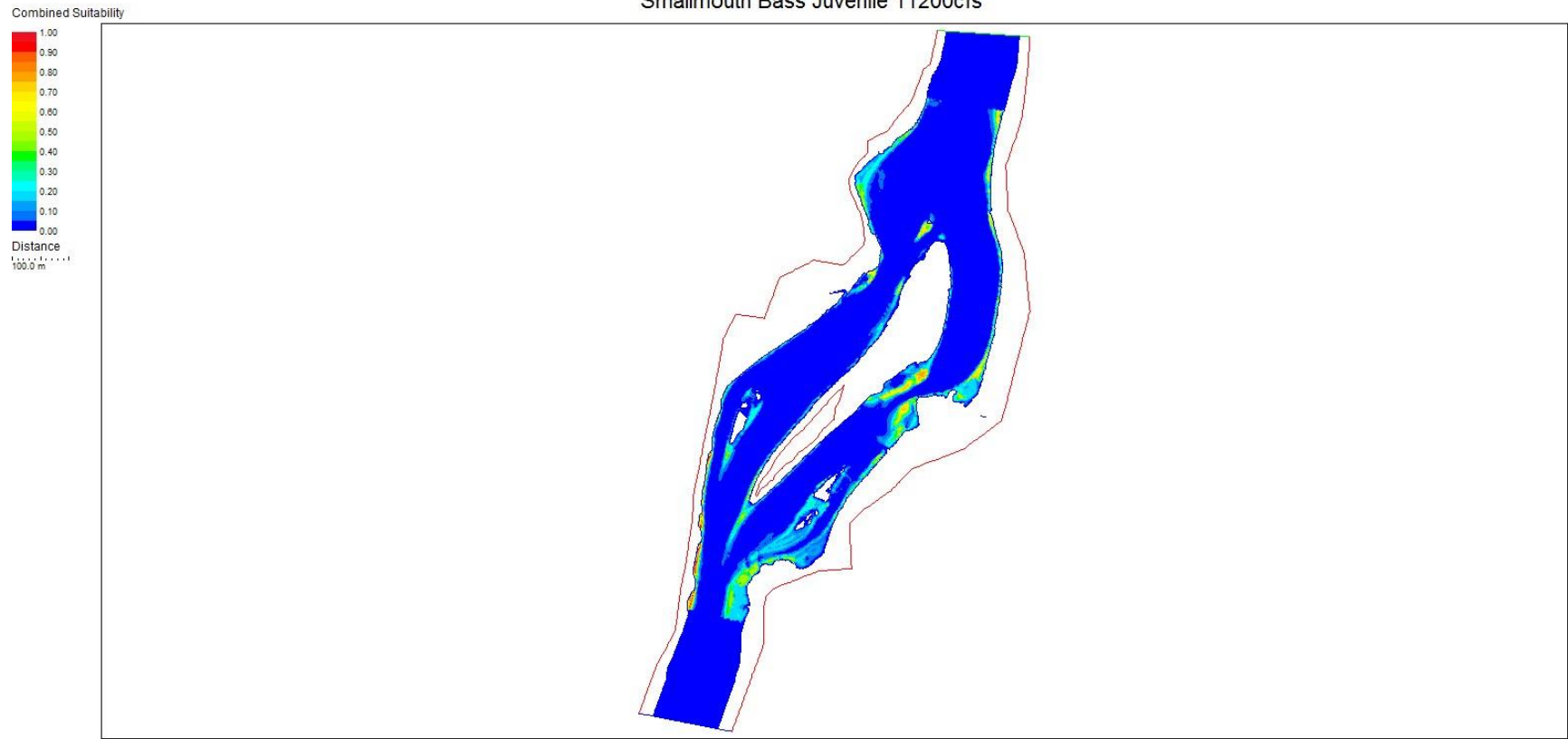


Smallmouth Bass Juvenile 9200cfs

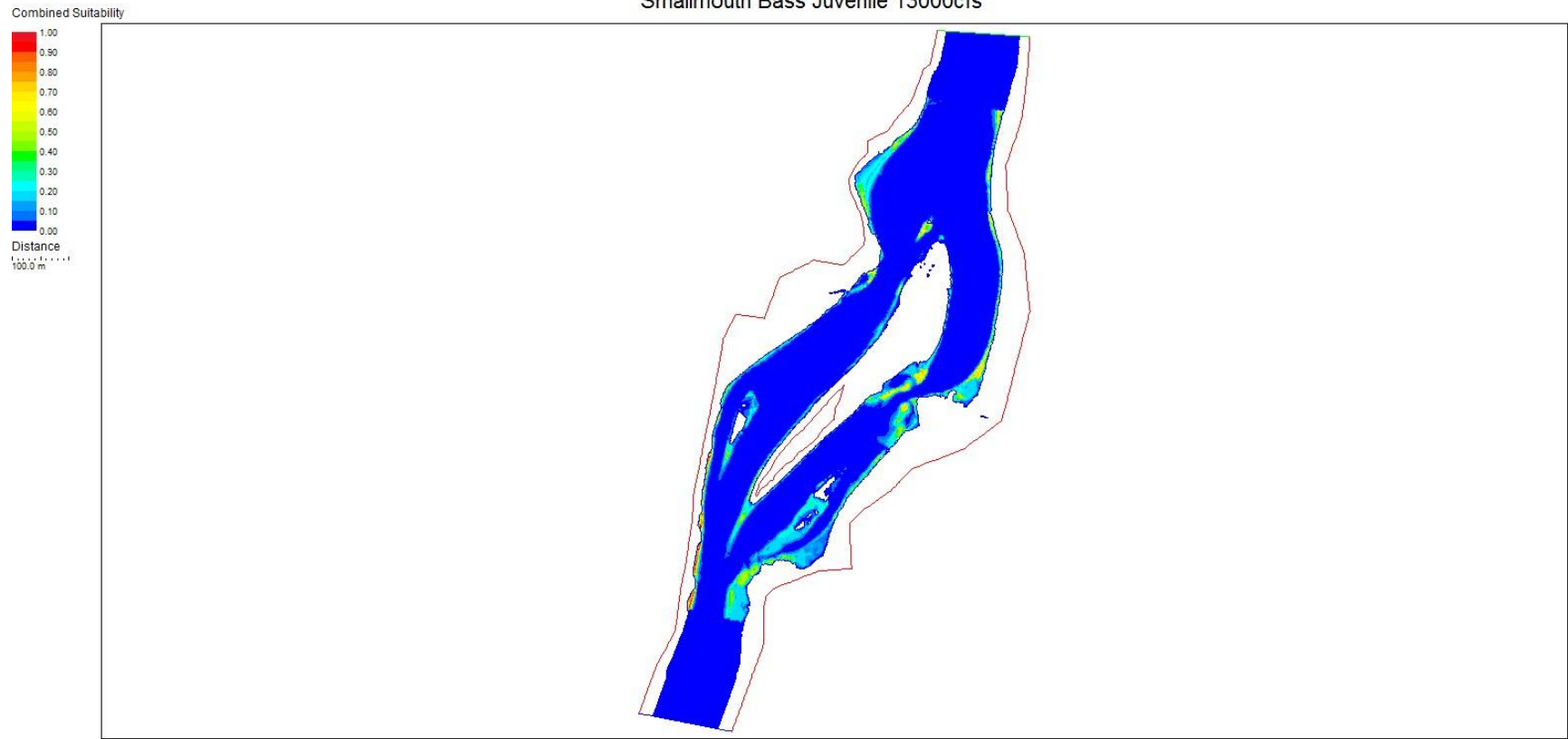


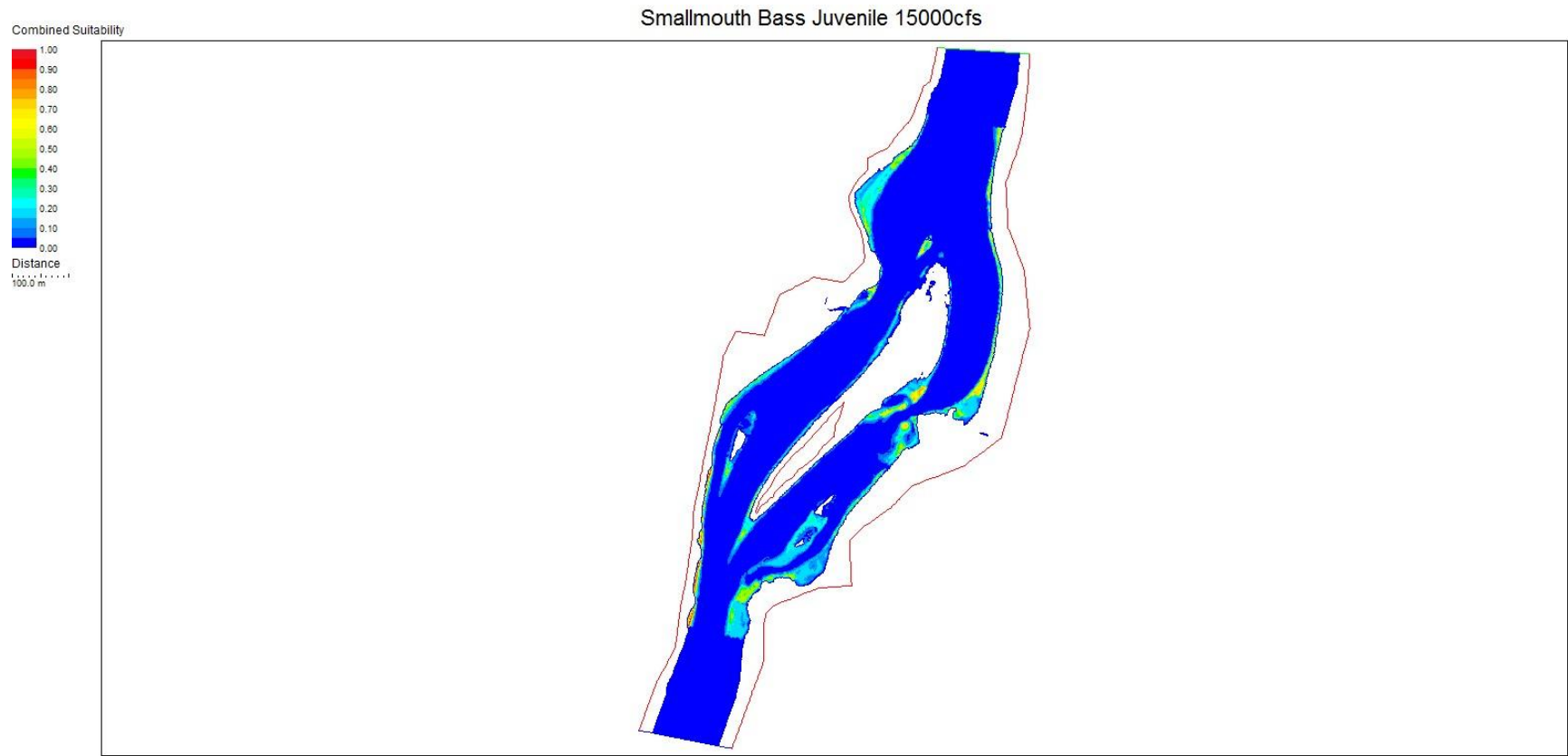


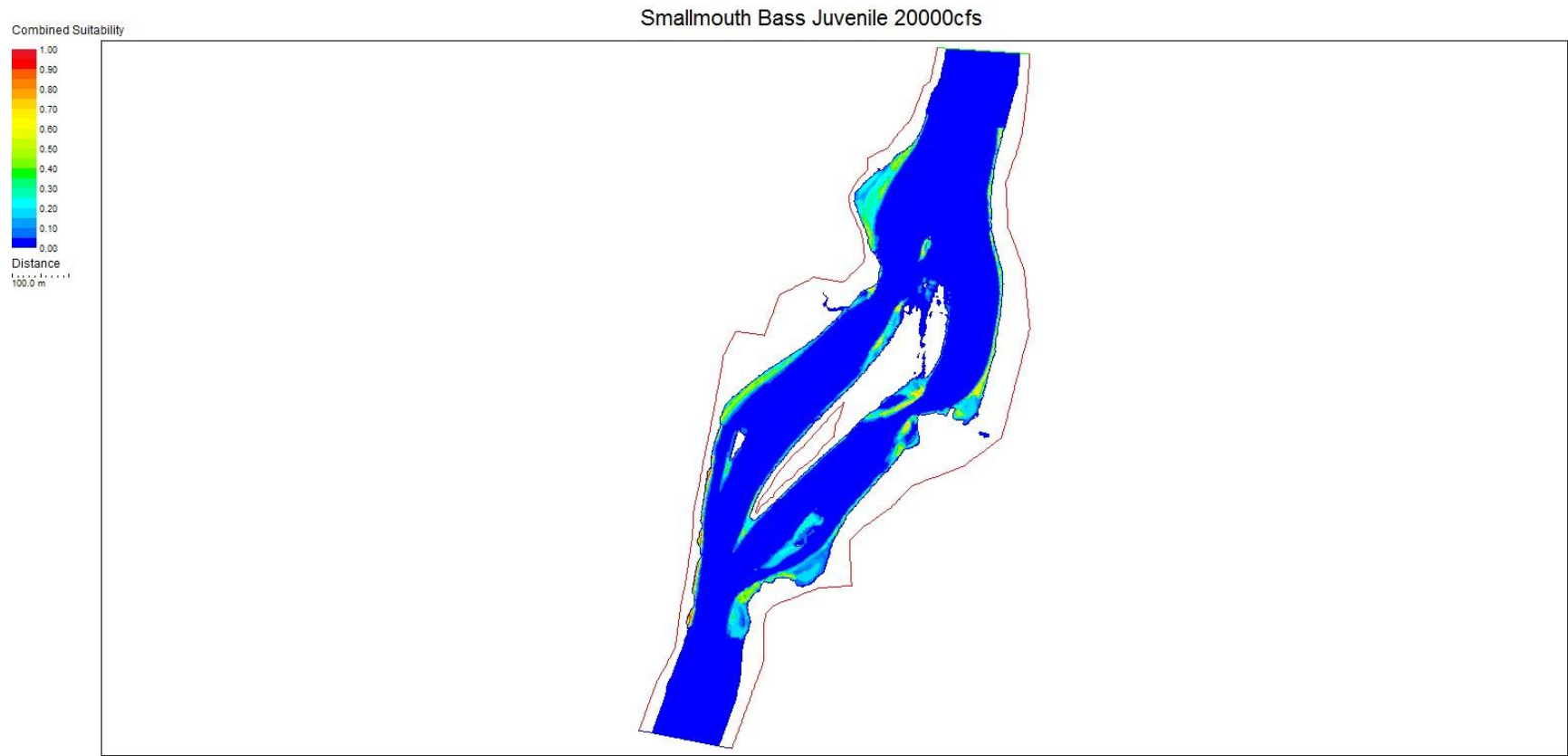
Smallmouth Bass Juvenile 11200cfs

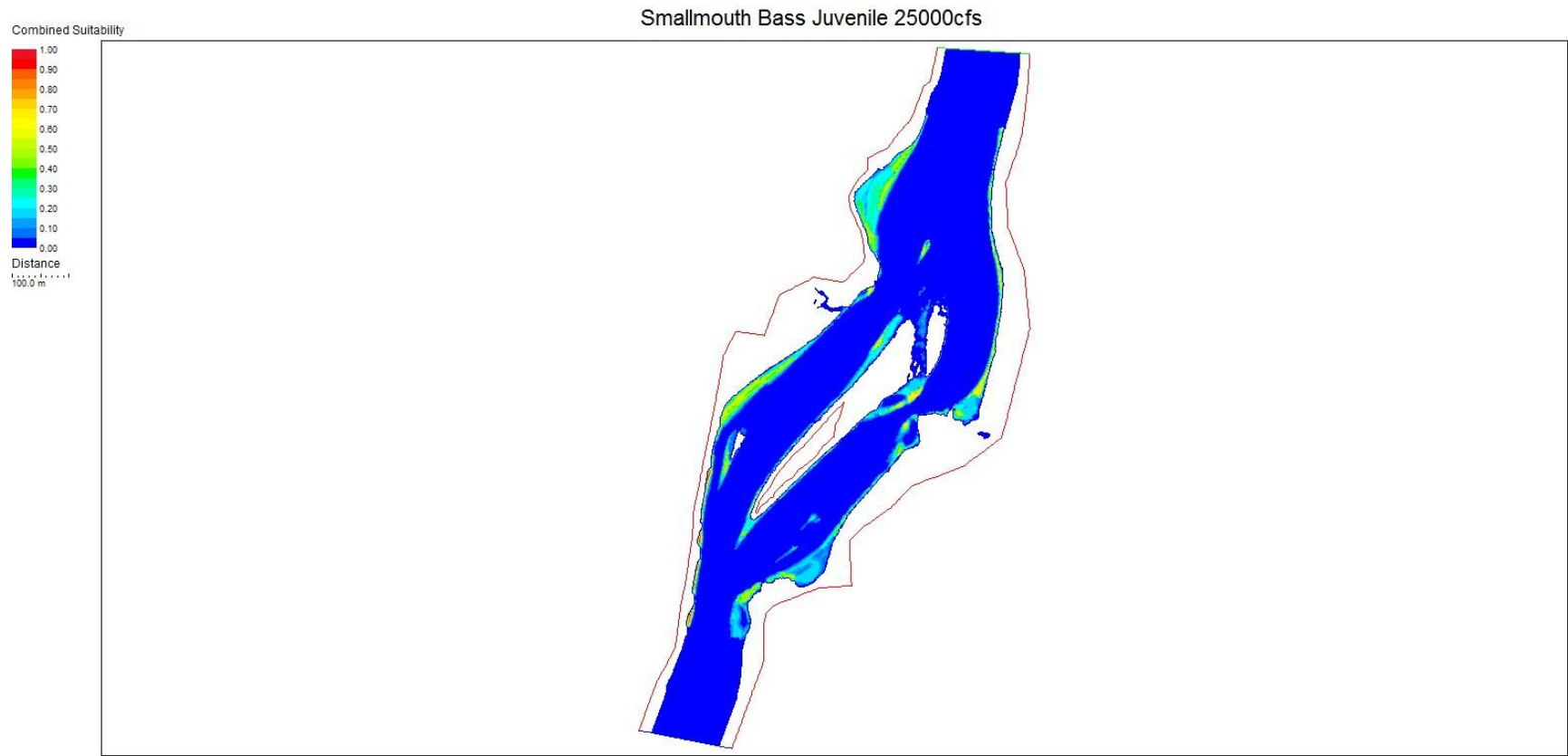


Smallmouth Bass Juvenile 13000cfs

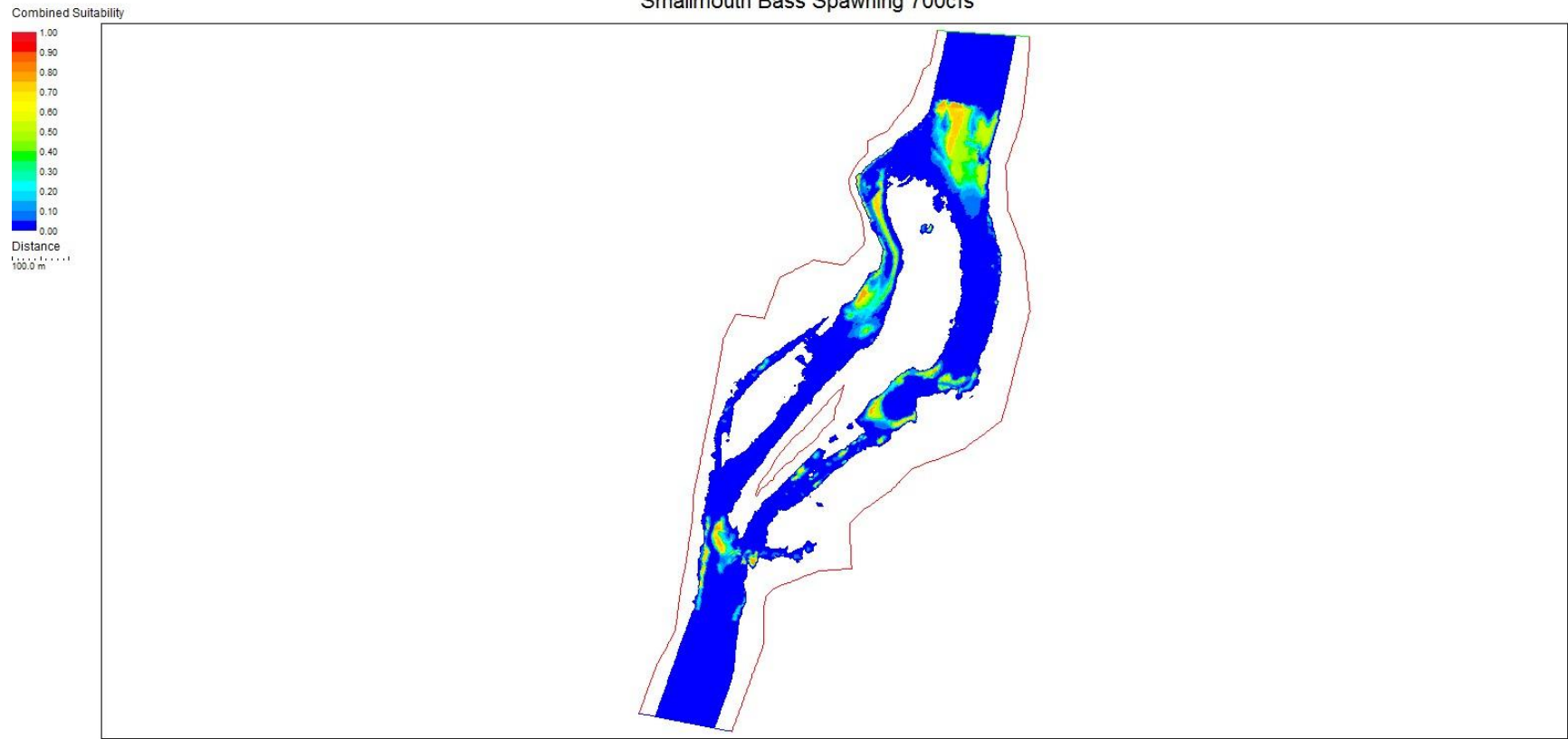


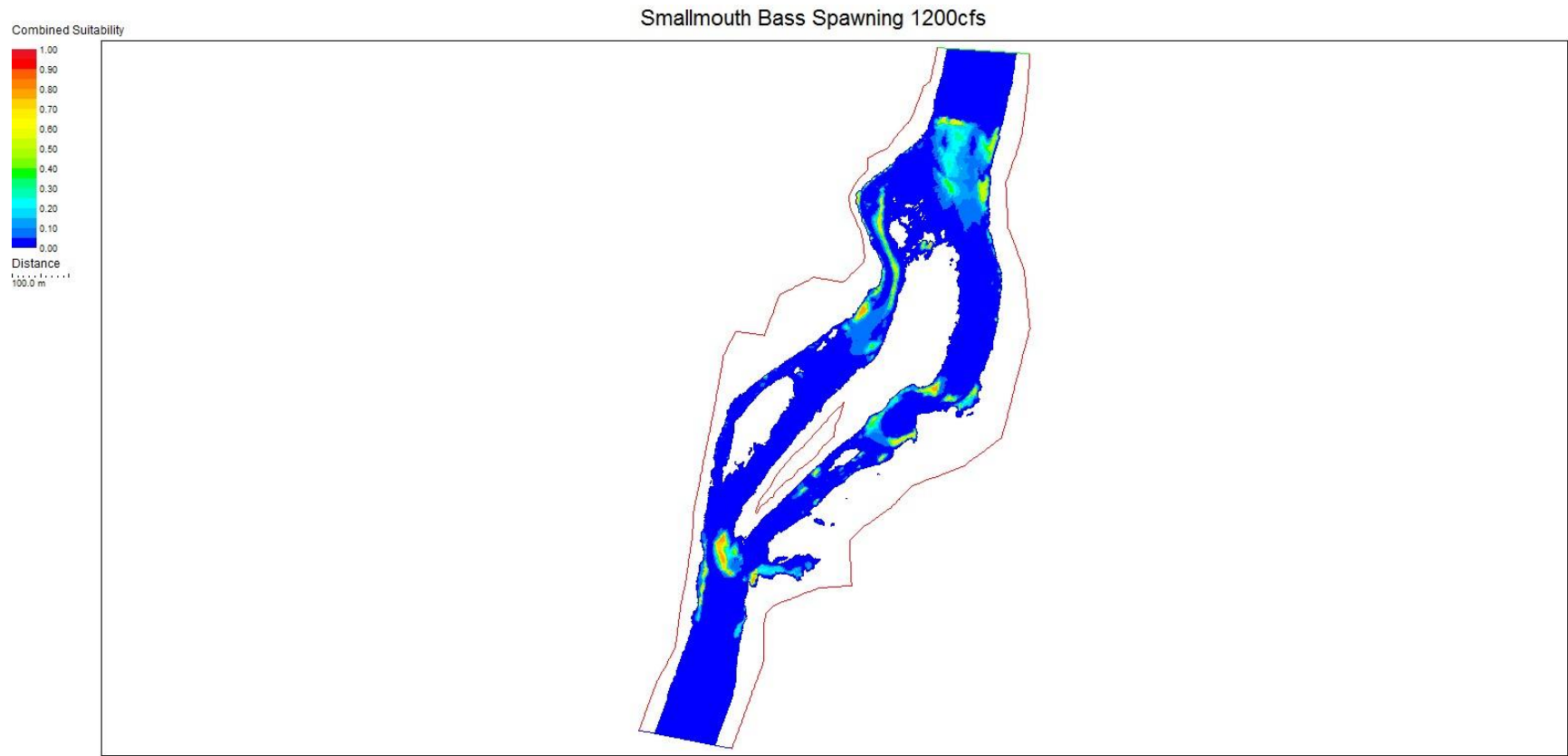




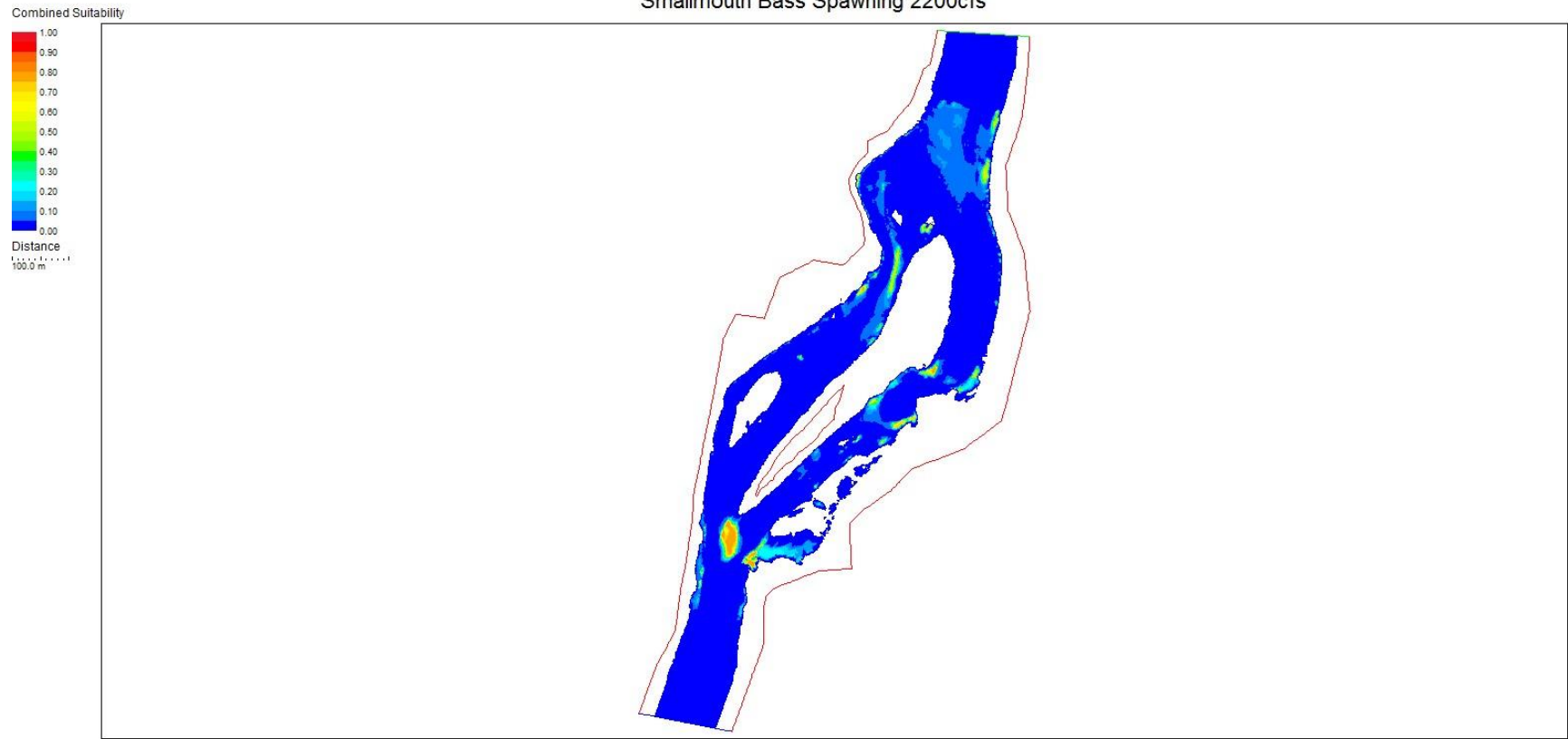


Smallmouth Bass Spawning 700cfs

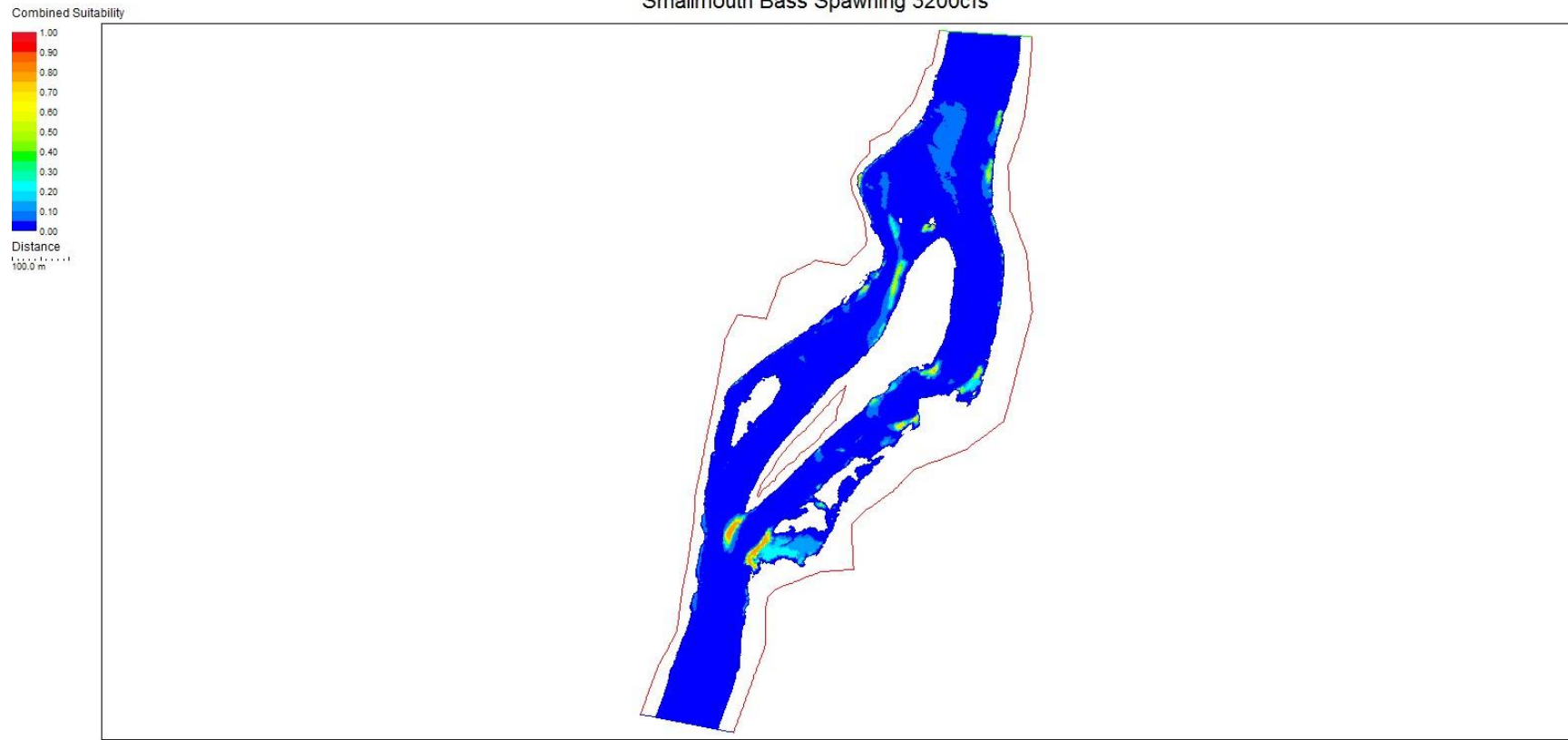




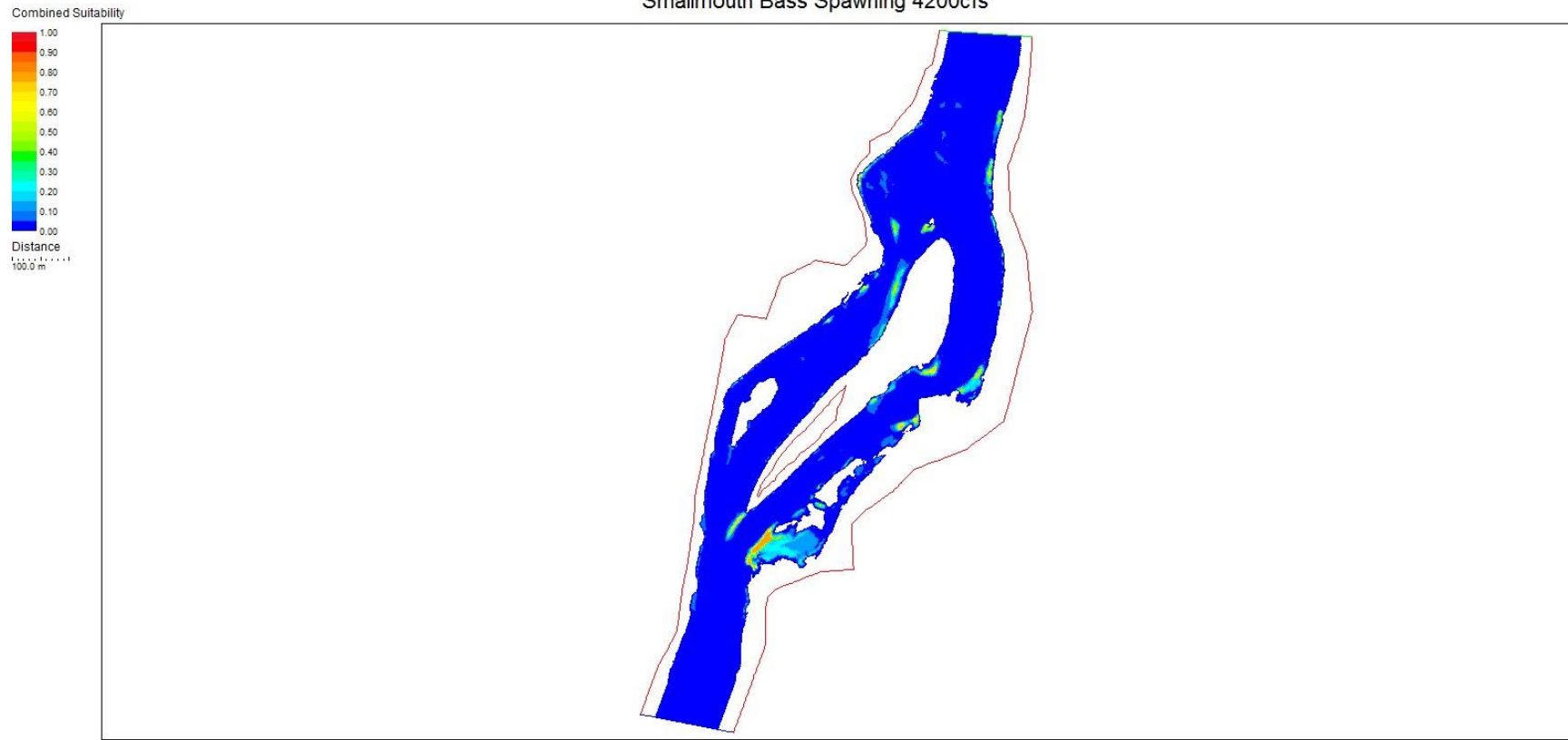
Smallmouth Bass Spawning 2200cfs



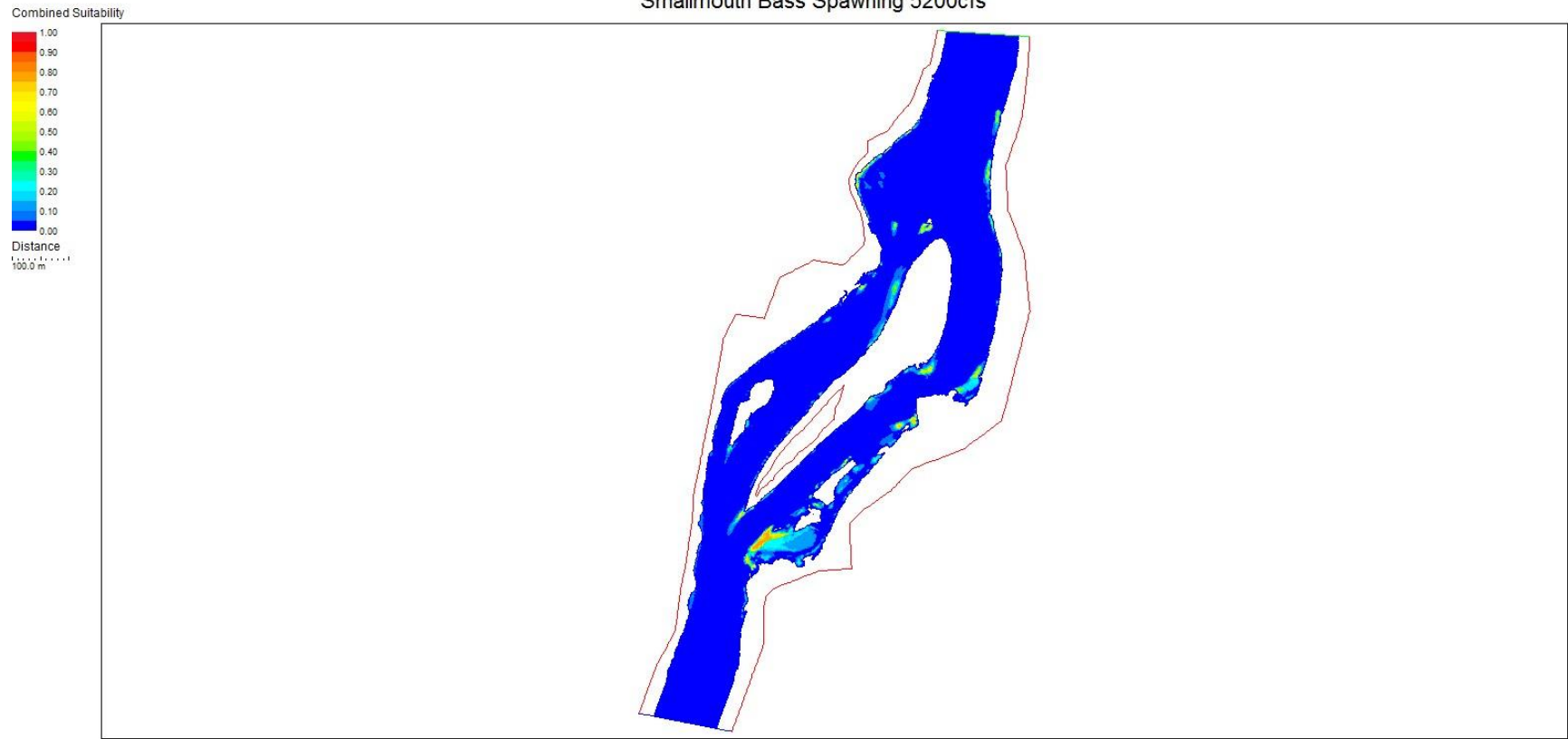
Smallmouth Bass Spawning 3200cfs



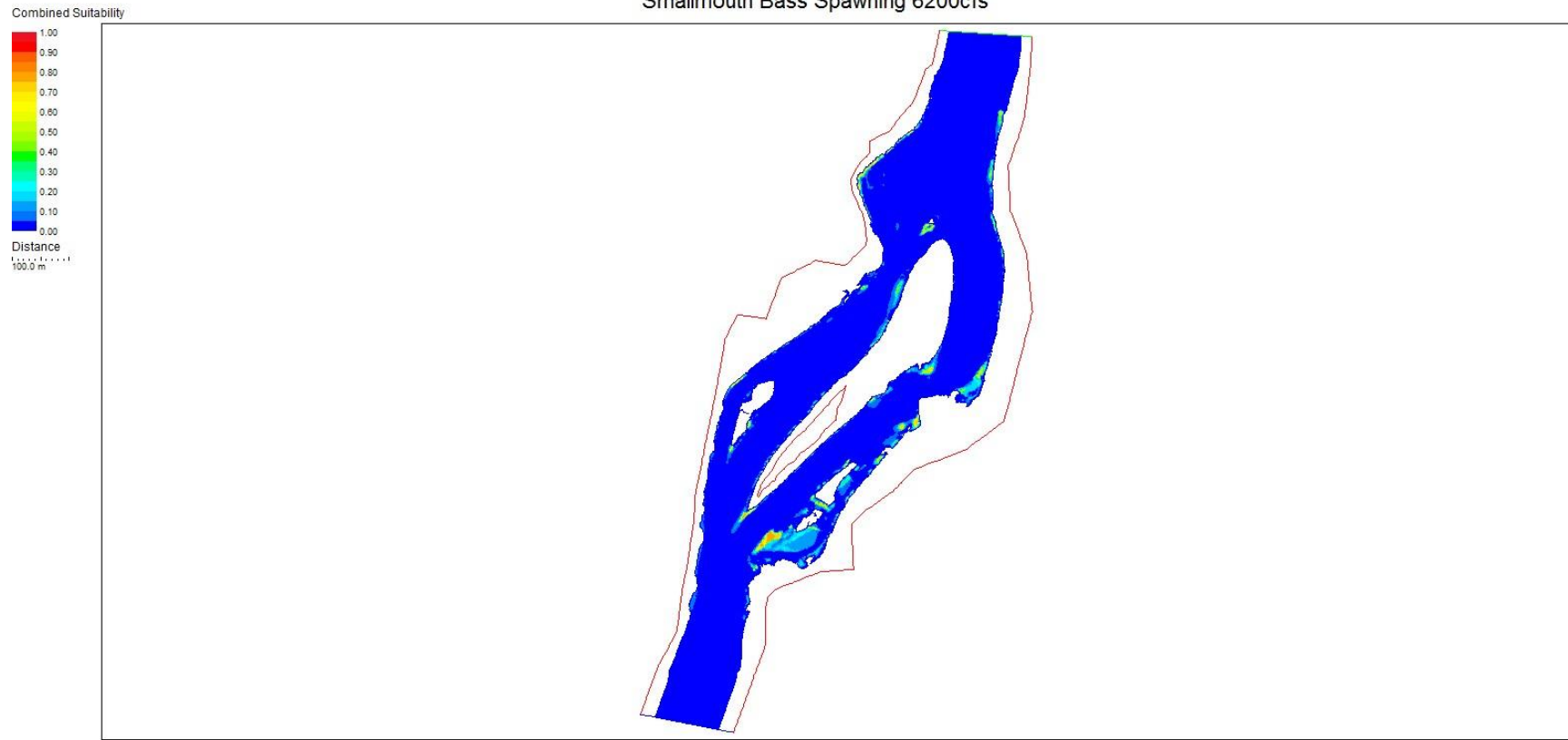
Smallmouth Bass Spawning 4200cfs



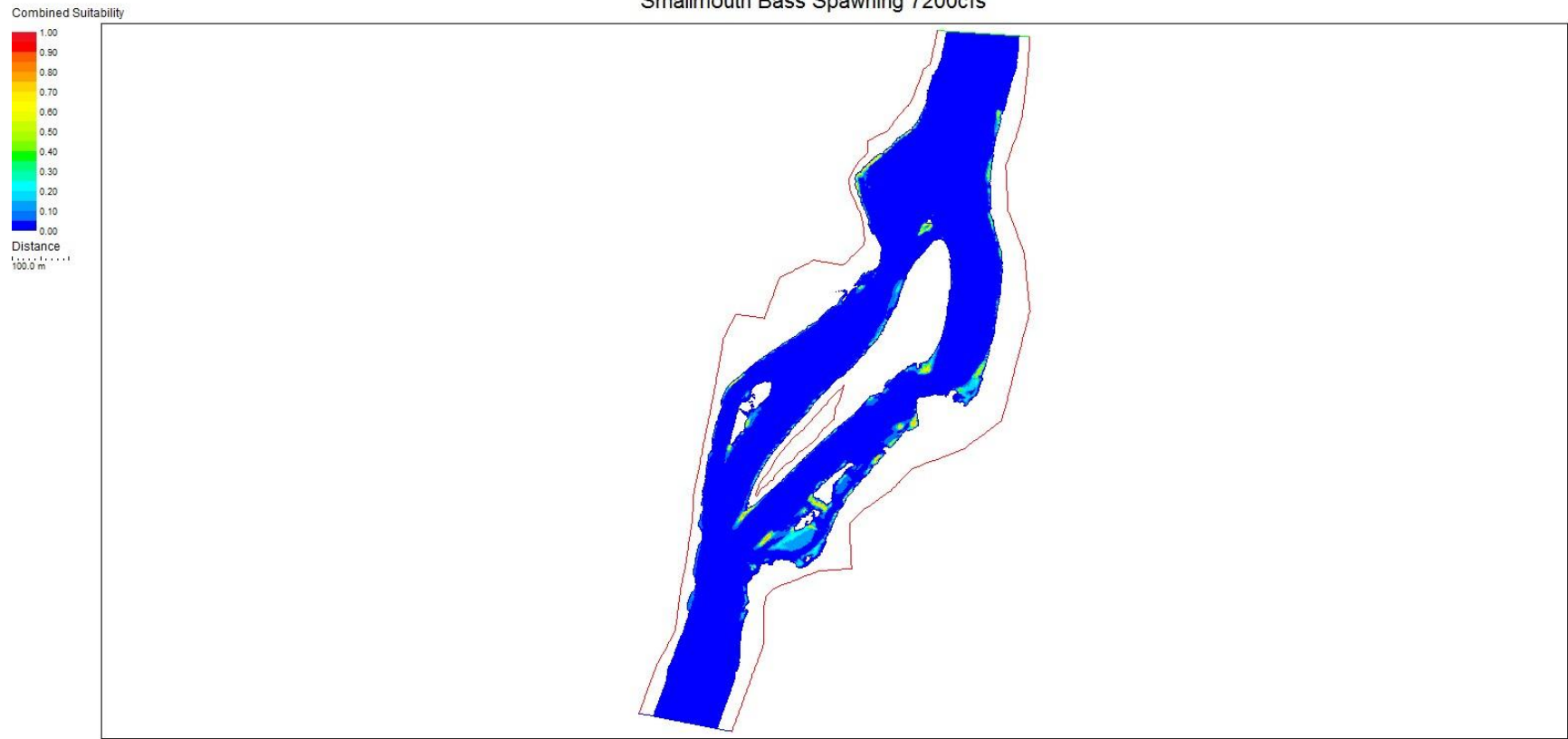
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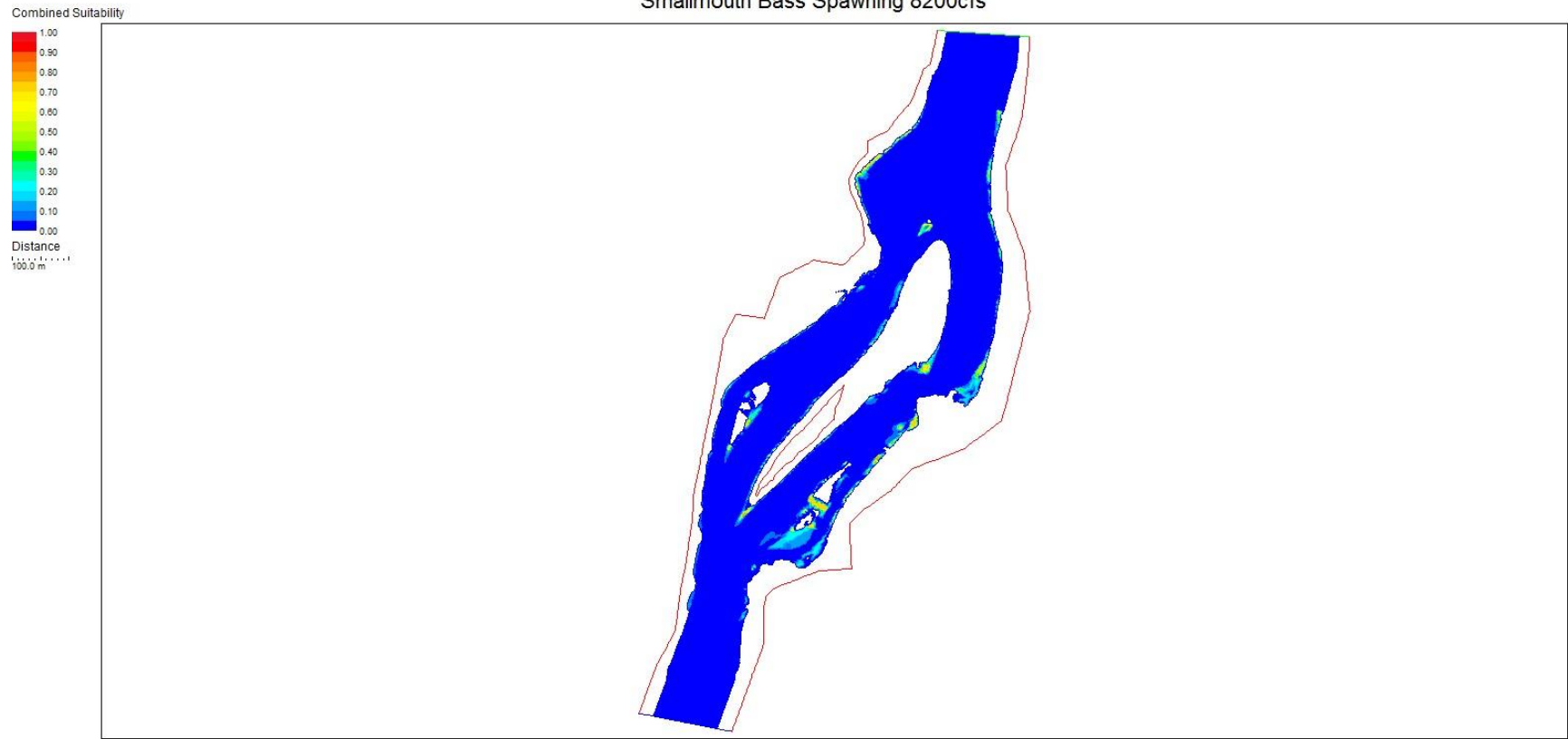
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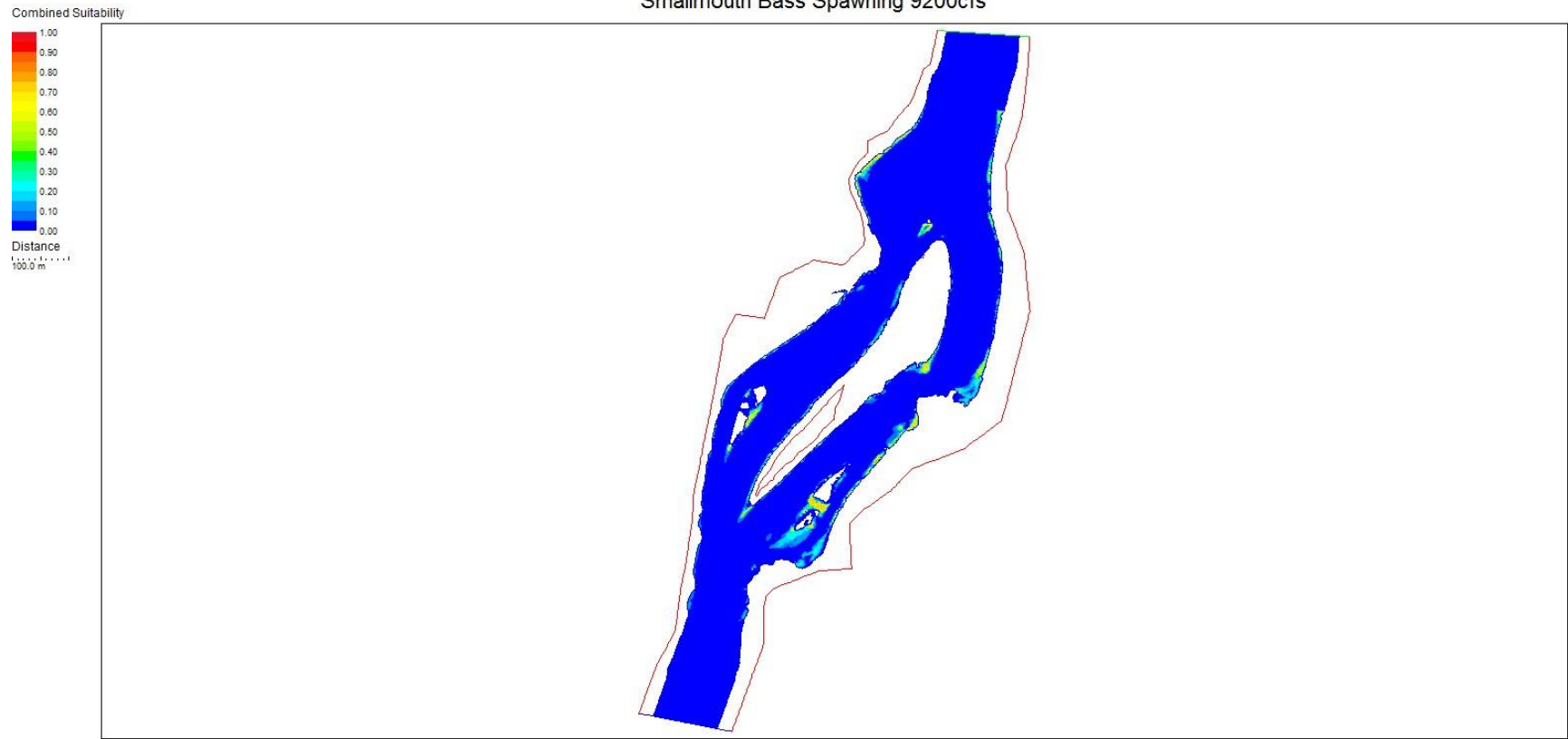
Smallmouth Bass Spawning 7200cfs



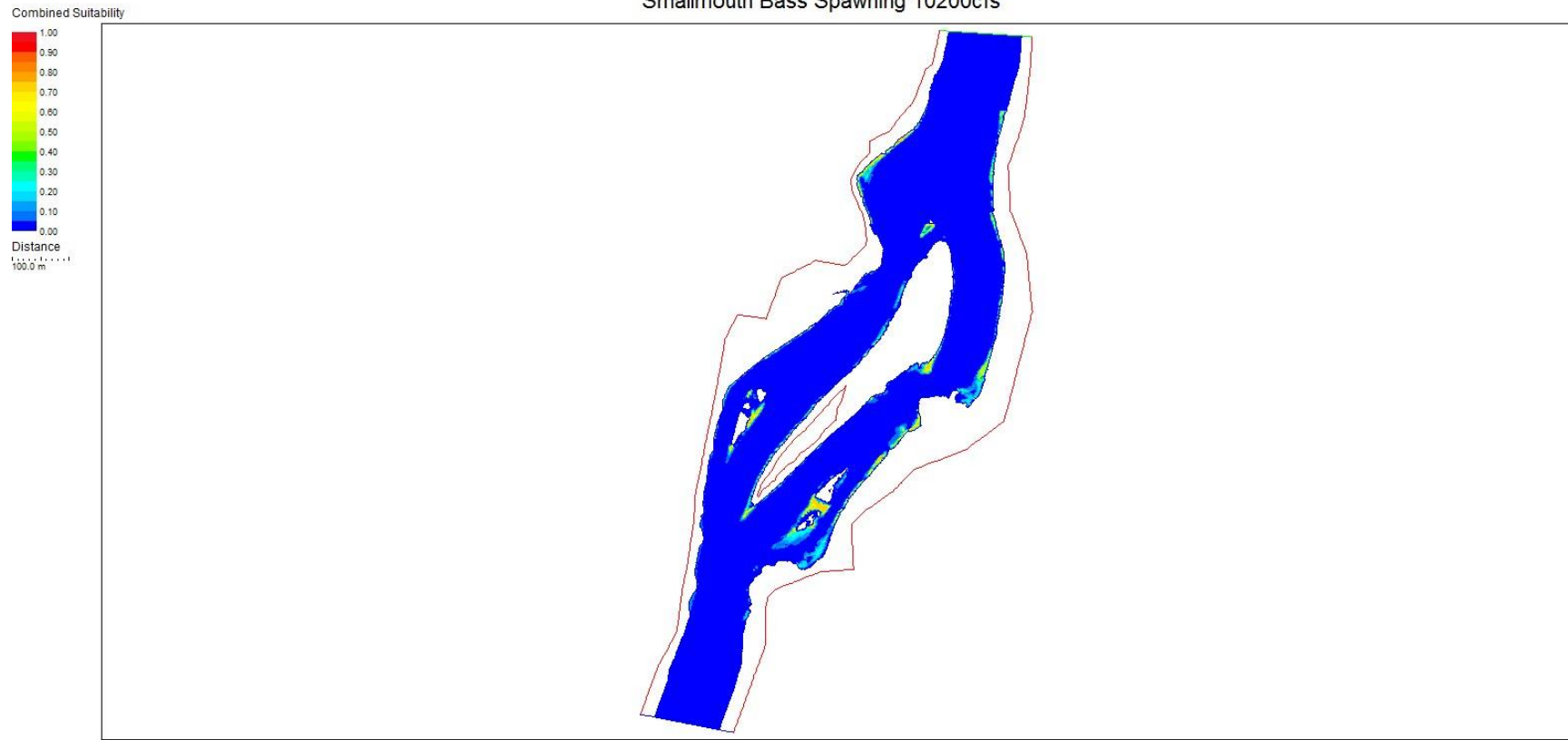
Smallmouth Bass Spawning 8200cfs



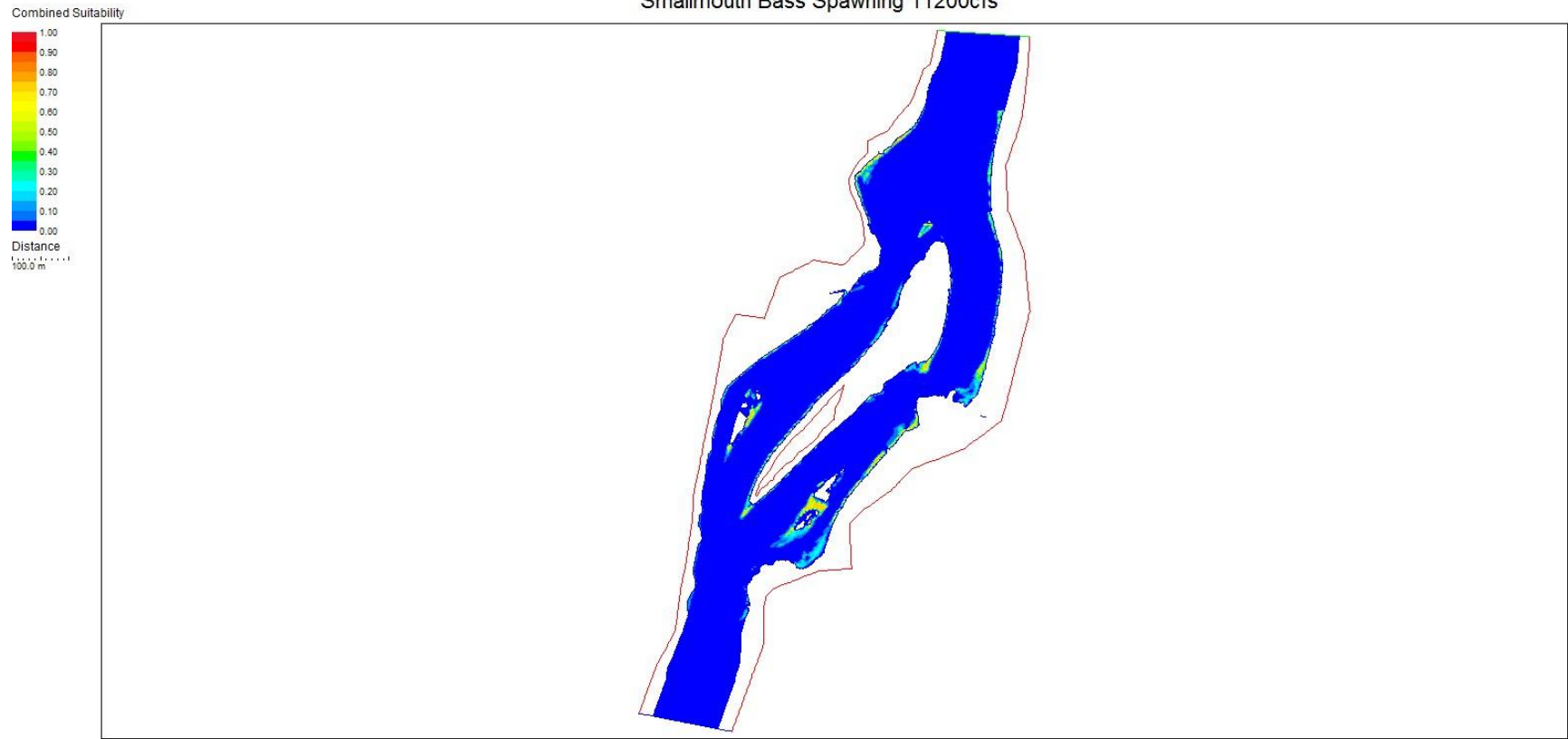
Smallmouth Bass Spawning 9200cfs



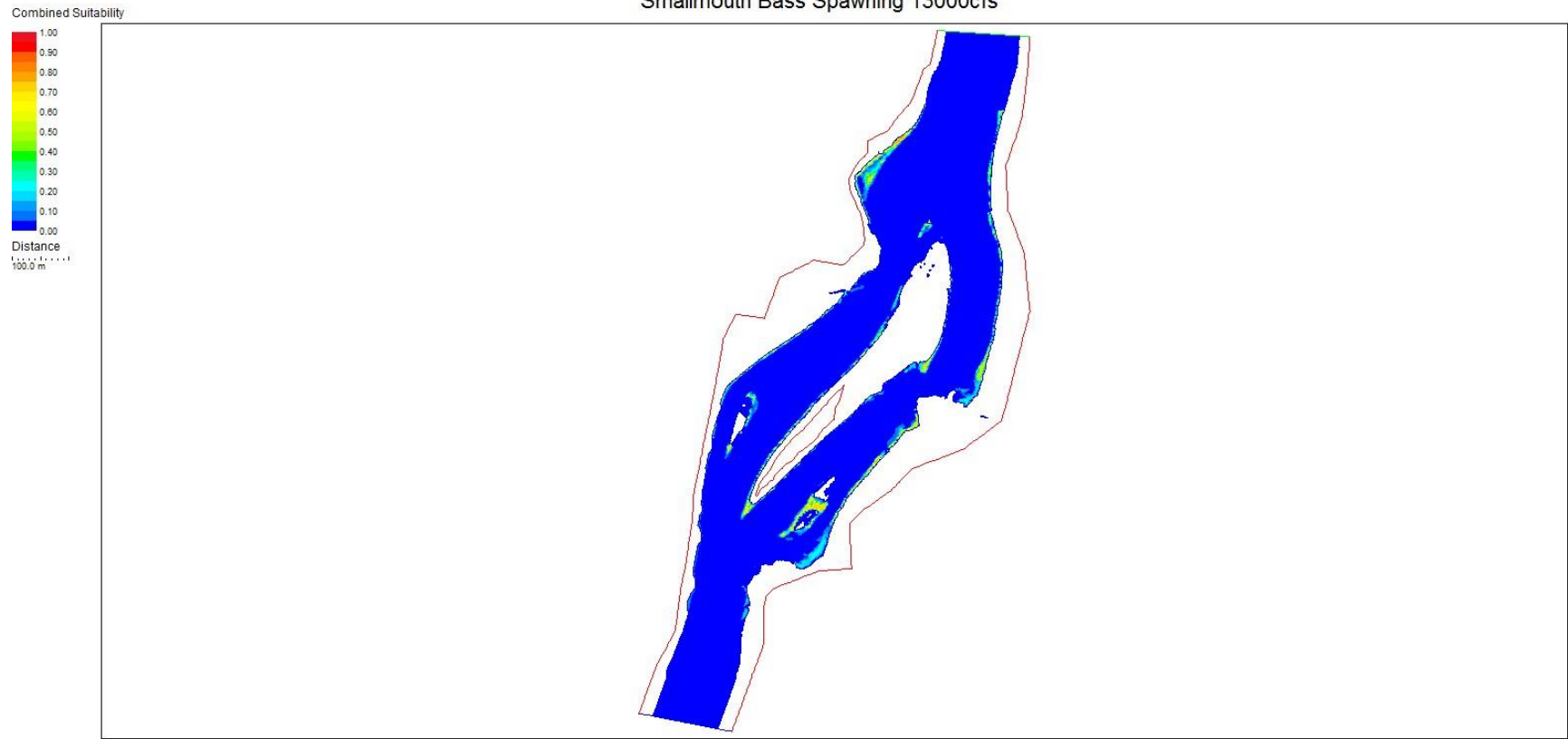
Smallmouth Bass Spawning 10200cfs



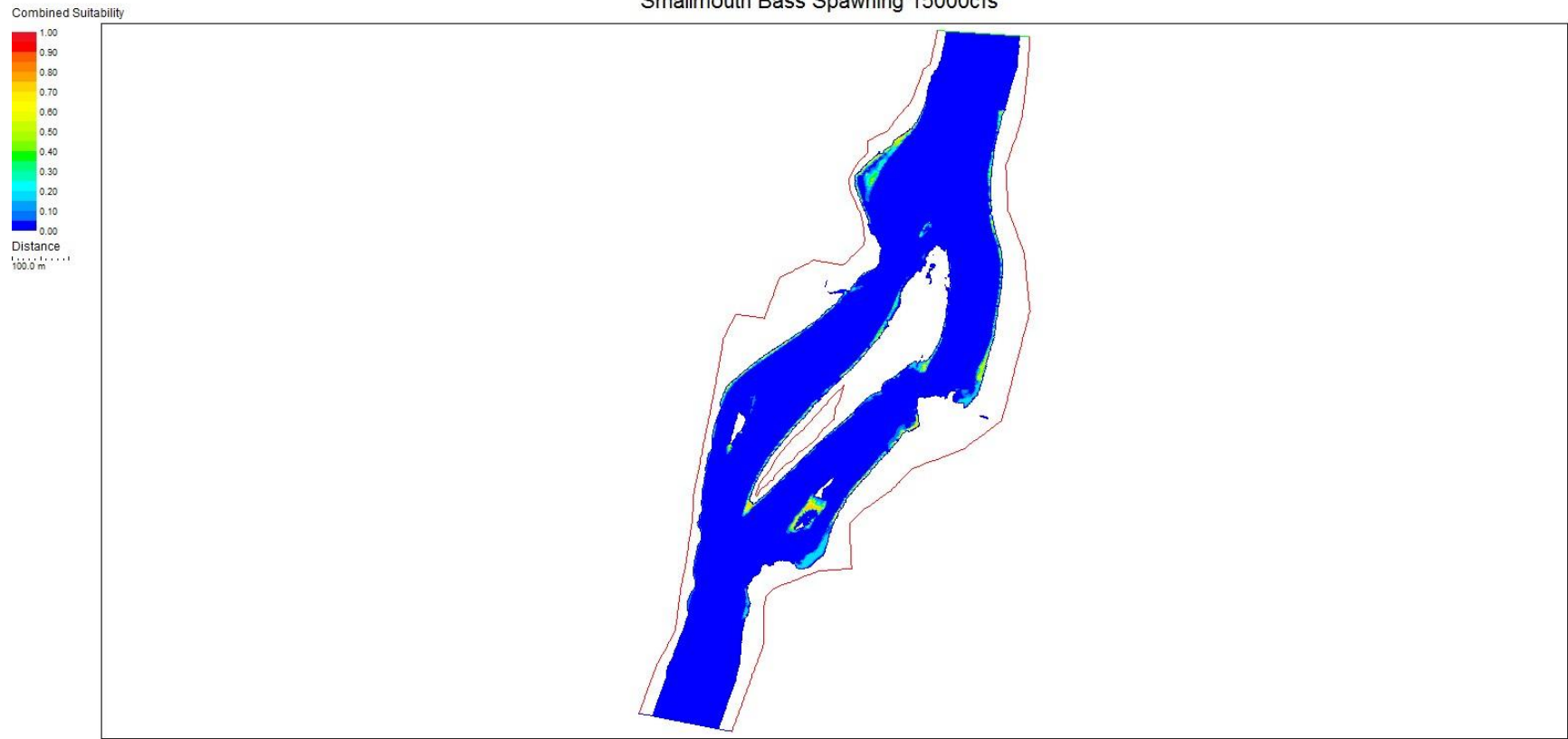
Smallmouth Bass Spawning 11200cfs



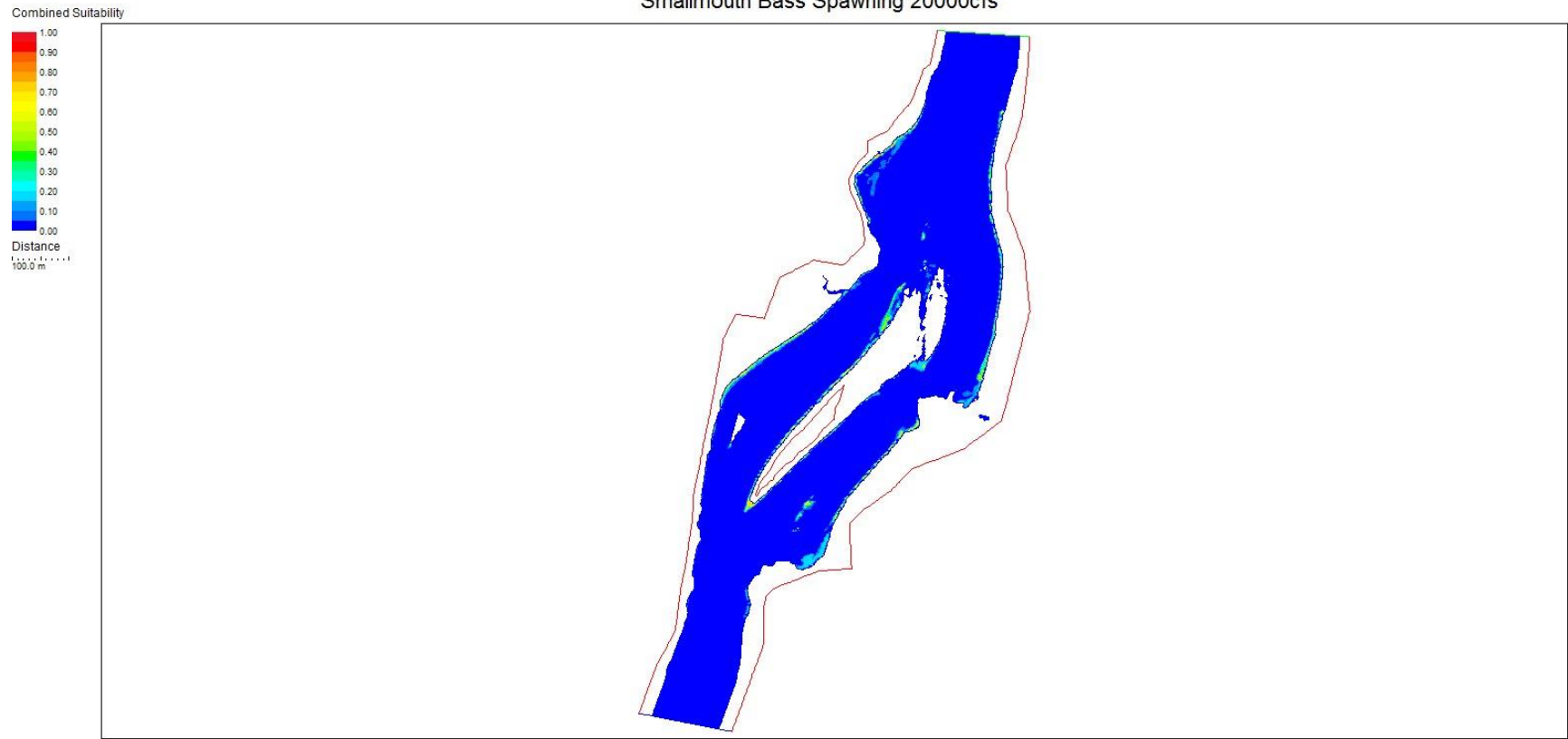
Smallmouth Bass Spawning 13000cfs



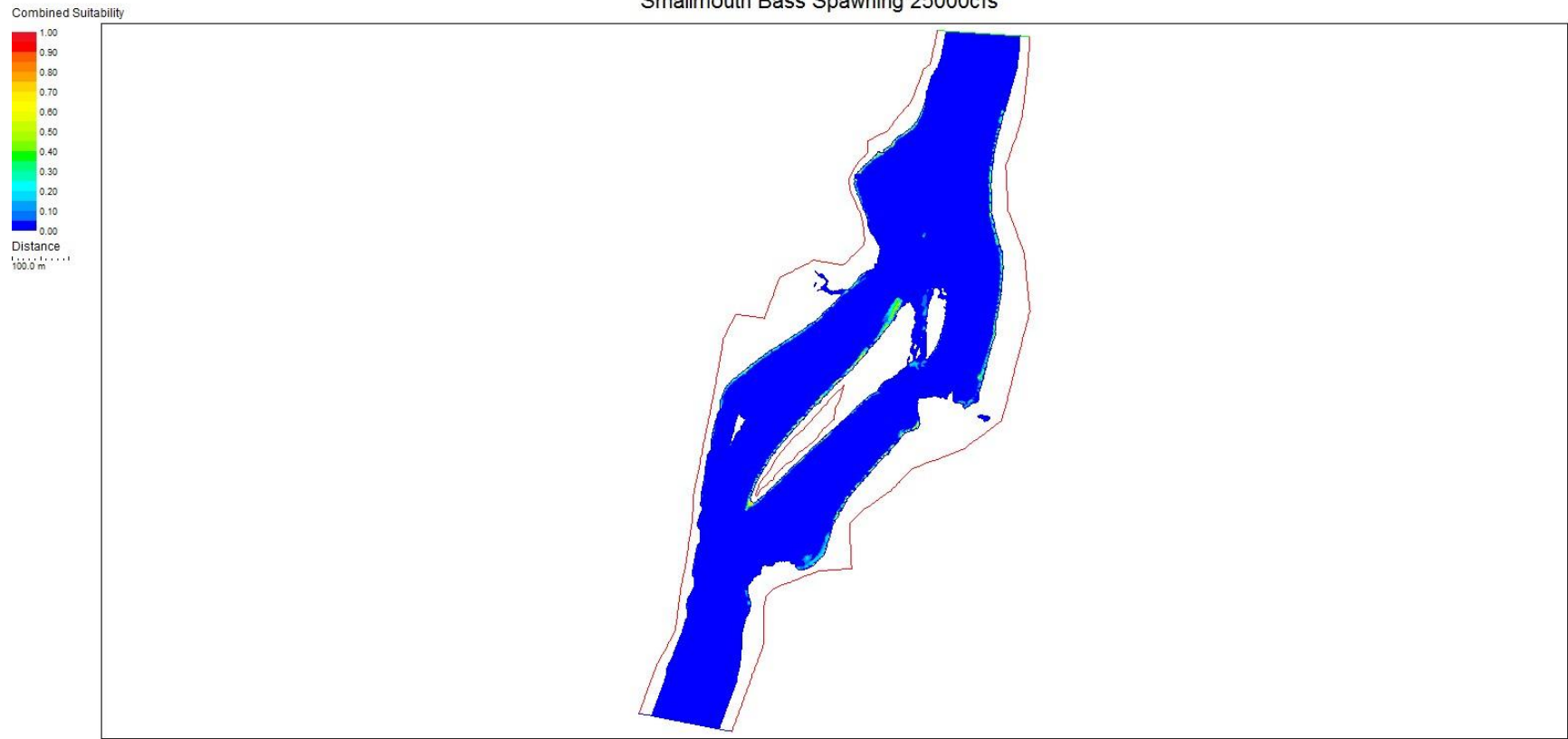
Smallmouth Bass Spawning 15000cfs



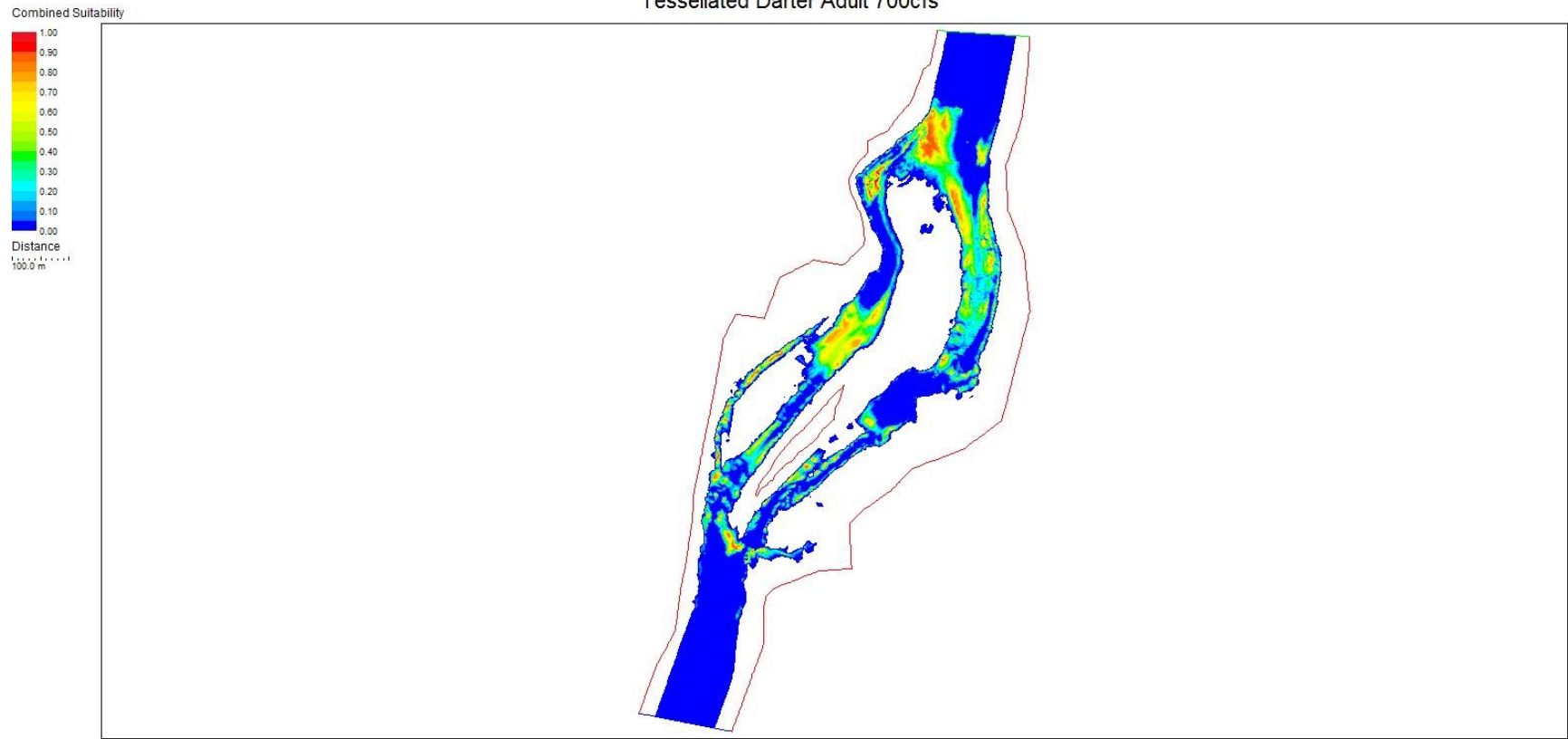
Smallmouth Bass Spawning 20000cfs



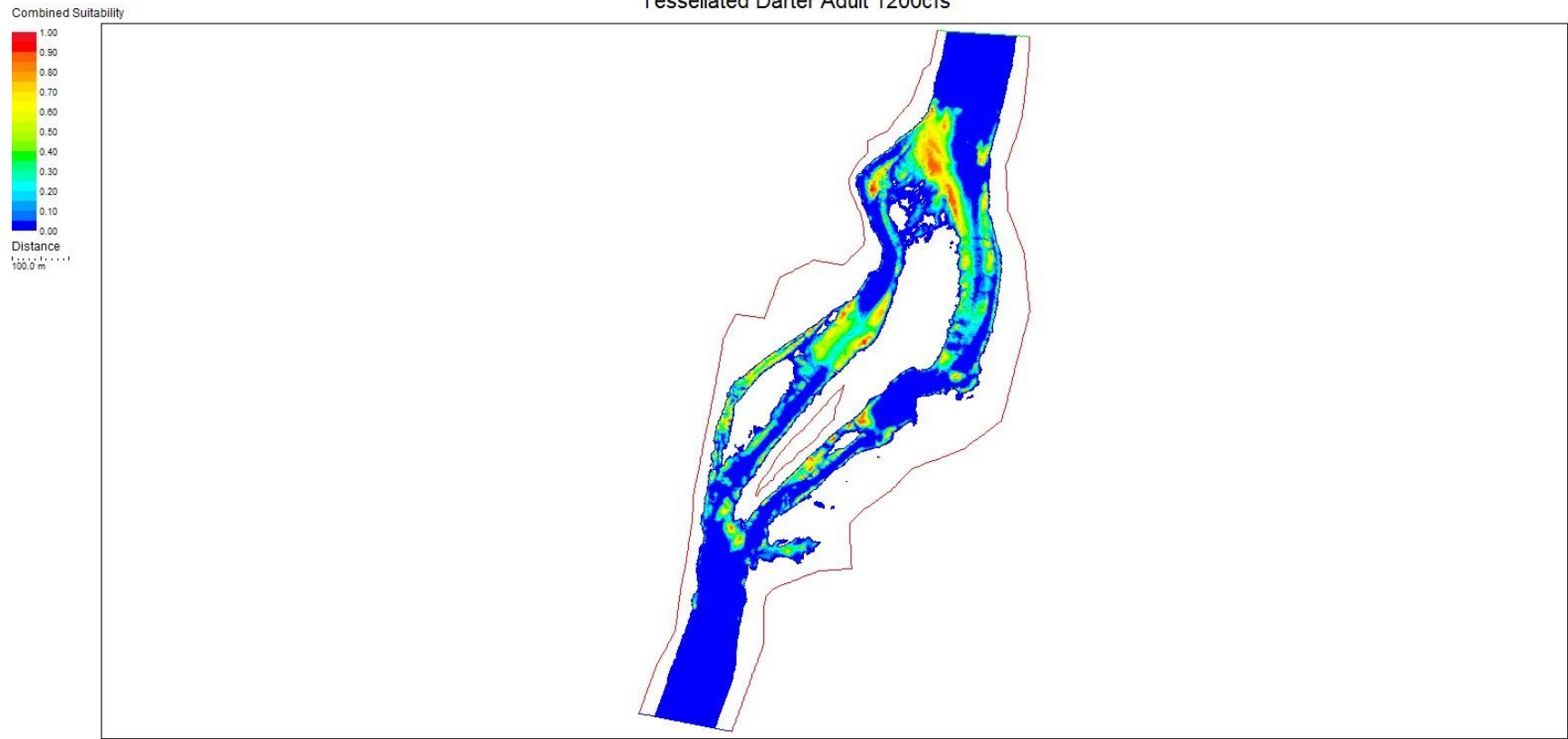
Smallmouth Bass Spawning 25000cfs



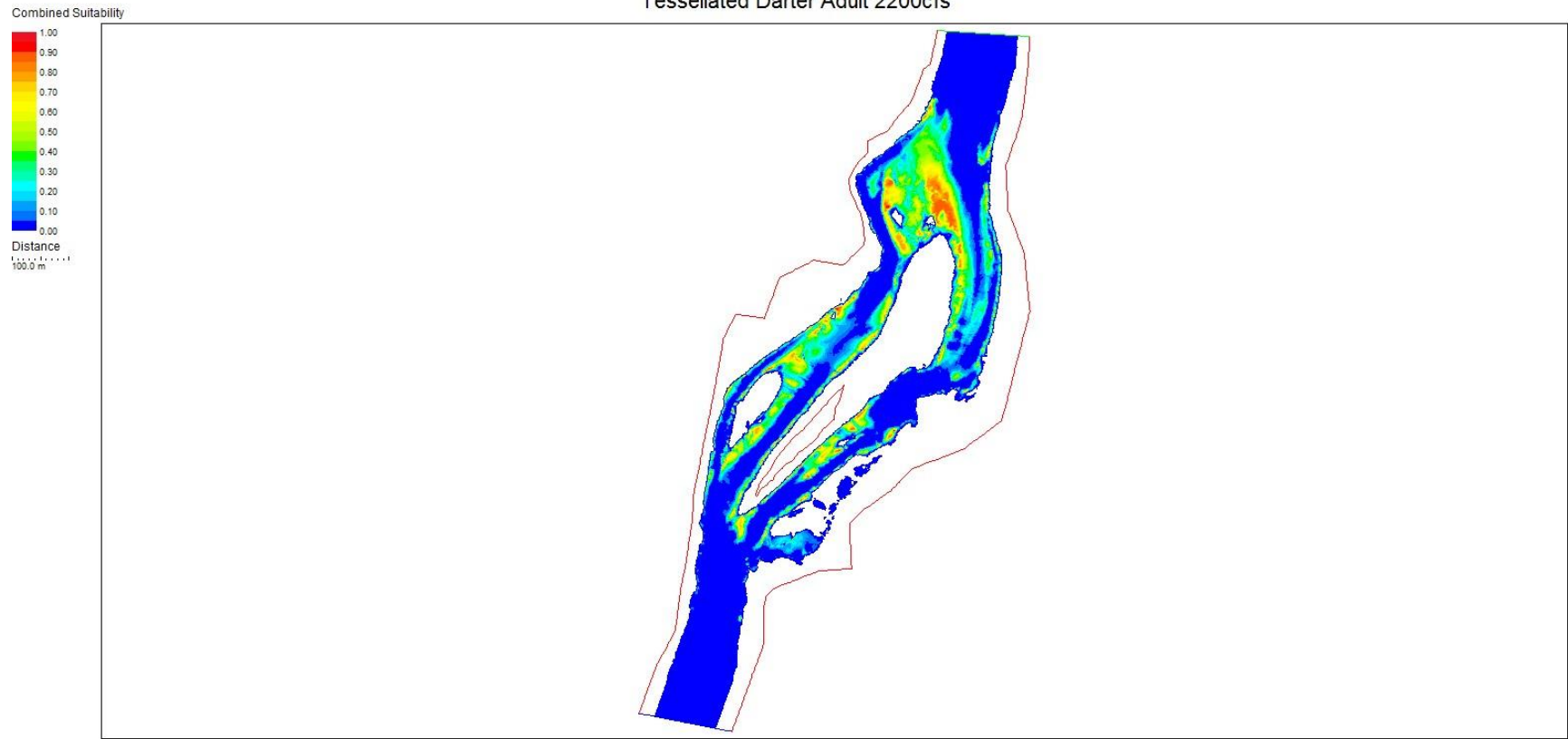
Tessellated Darter Adult 700cfs



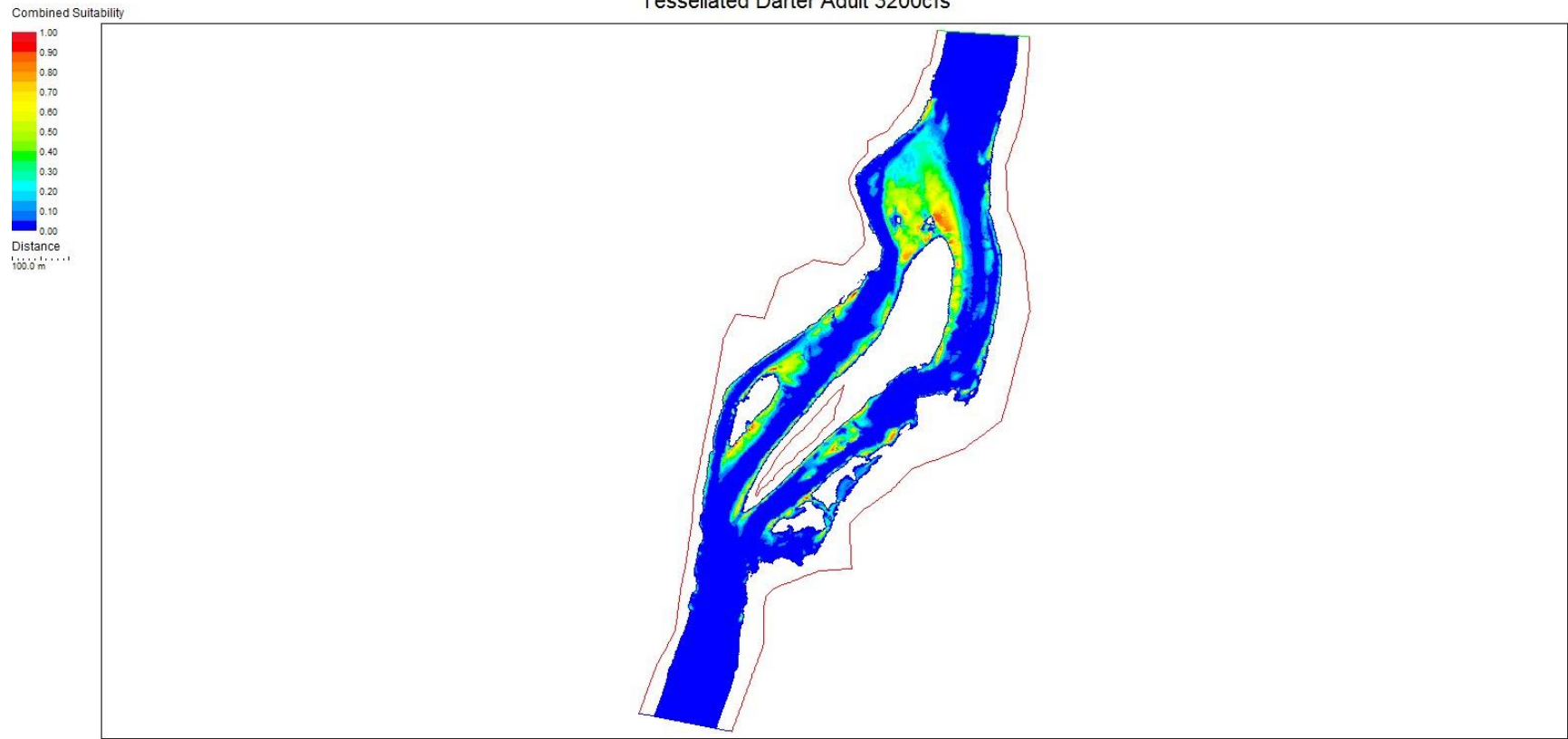
Tessellated Darter Adult 1200cfs



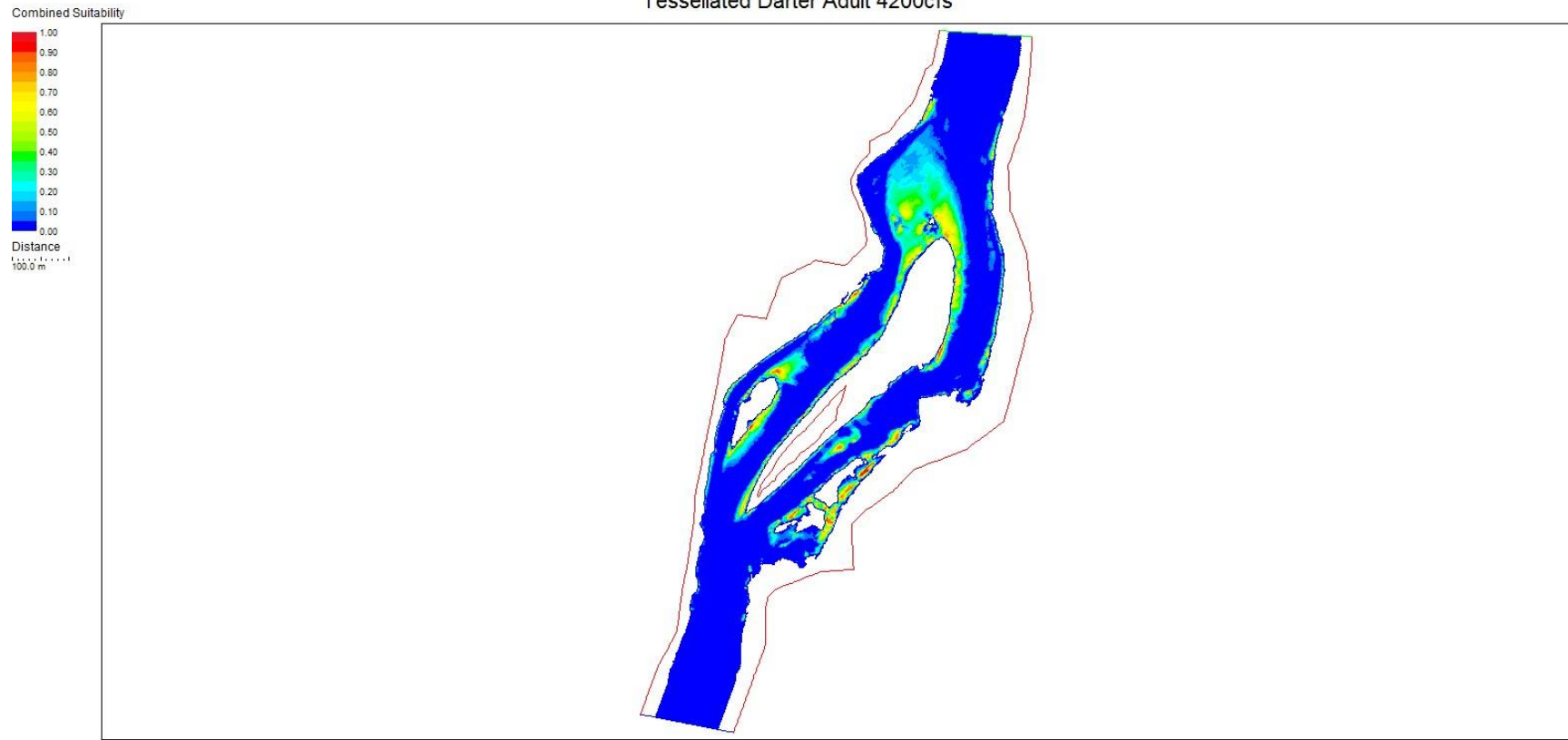
Tessellated Darter Adult 2200cfs



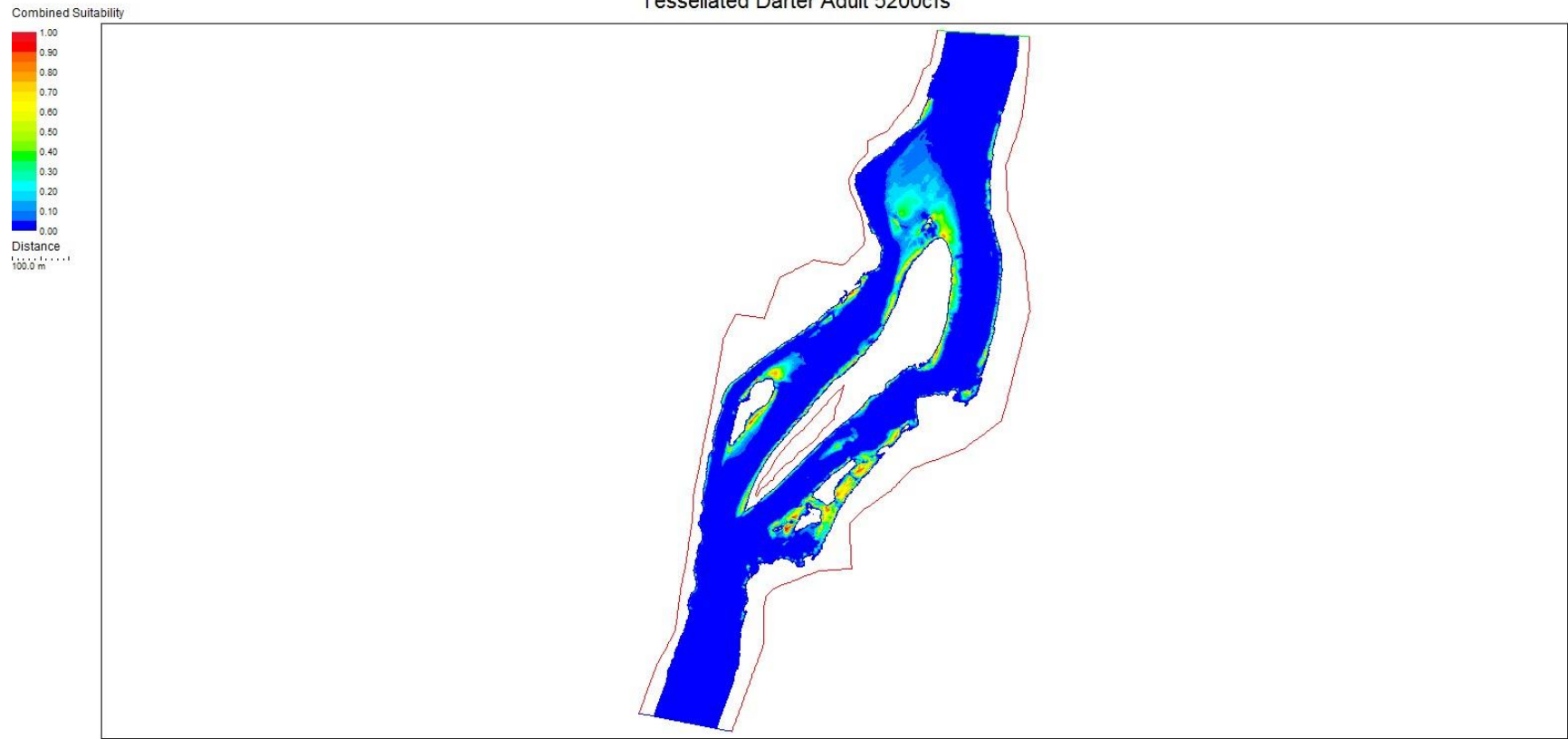
Tessellated Darter Adult 3200cfs



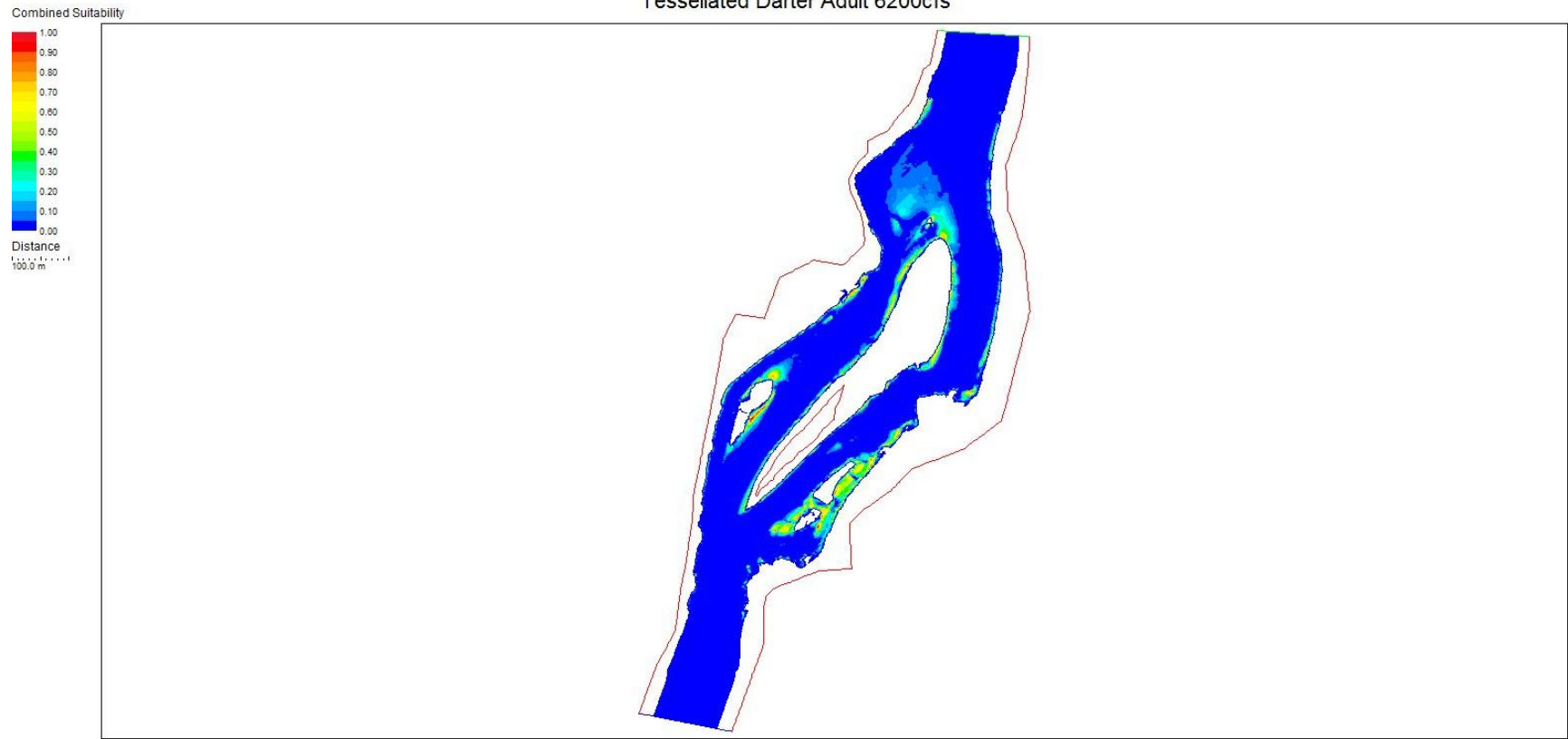
Tessellated Darter Adult 4200cfs



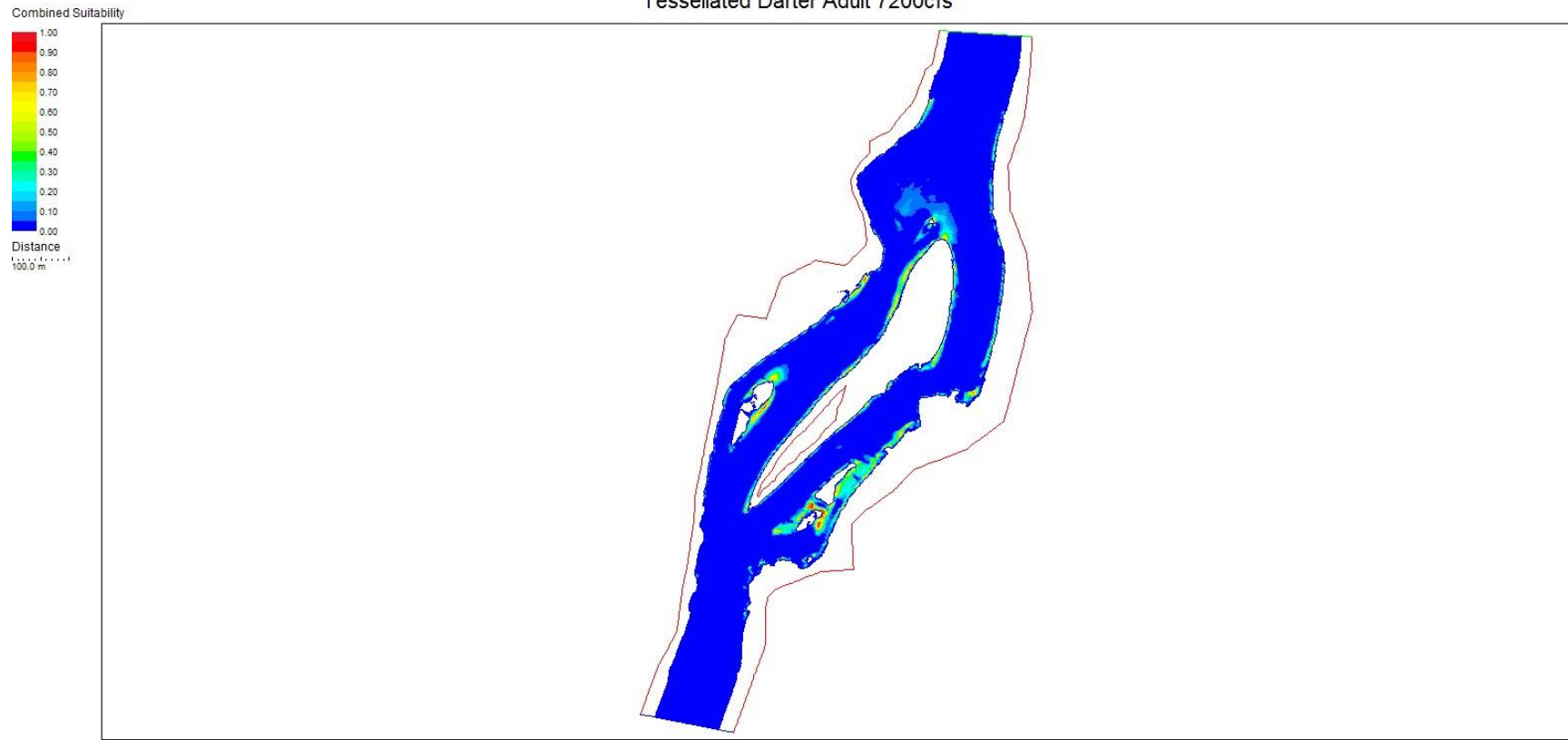
Tessellated Darter Adult 5200cfs



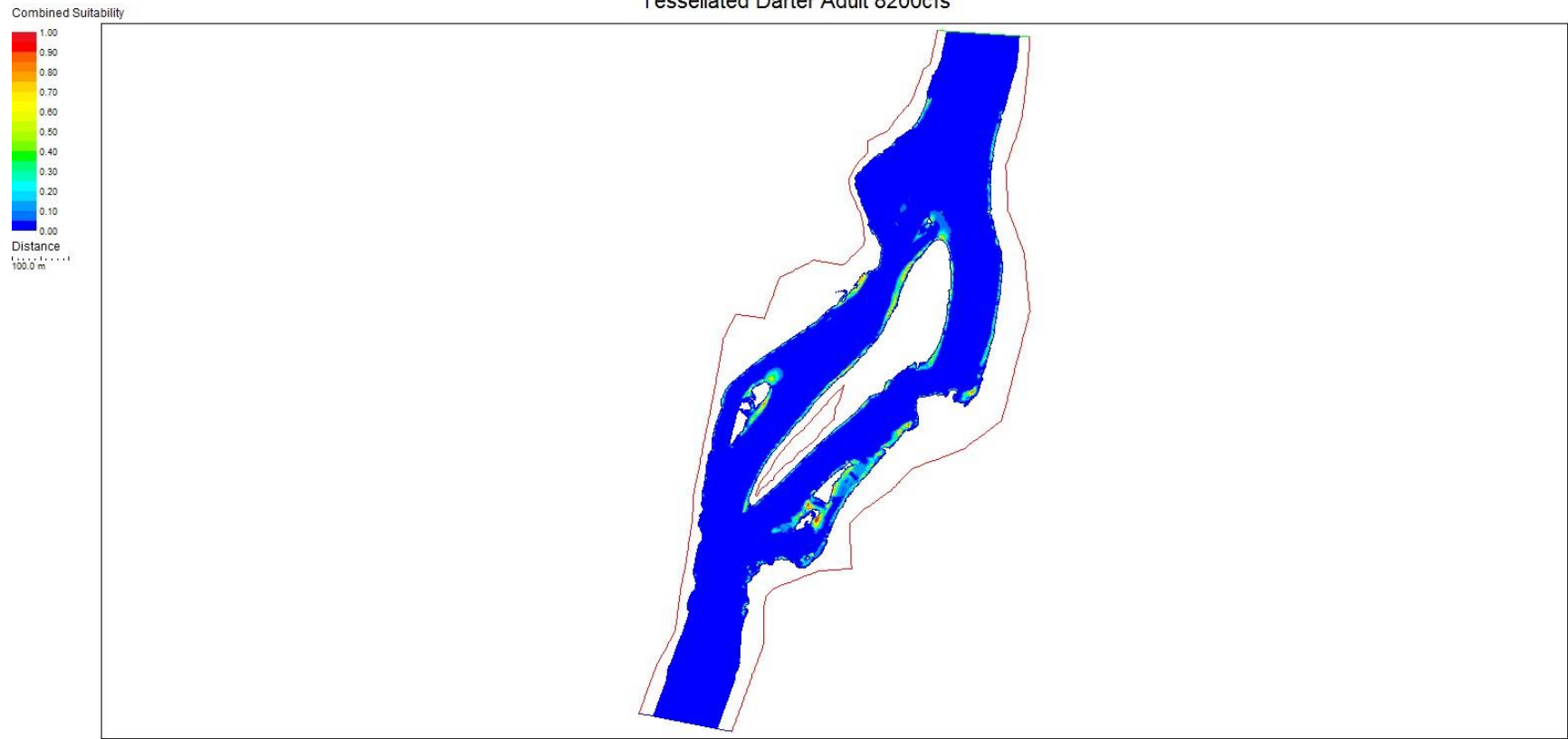
Tessellated Darter Adult 6200cfs

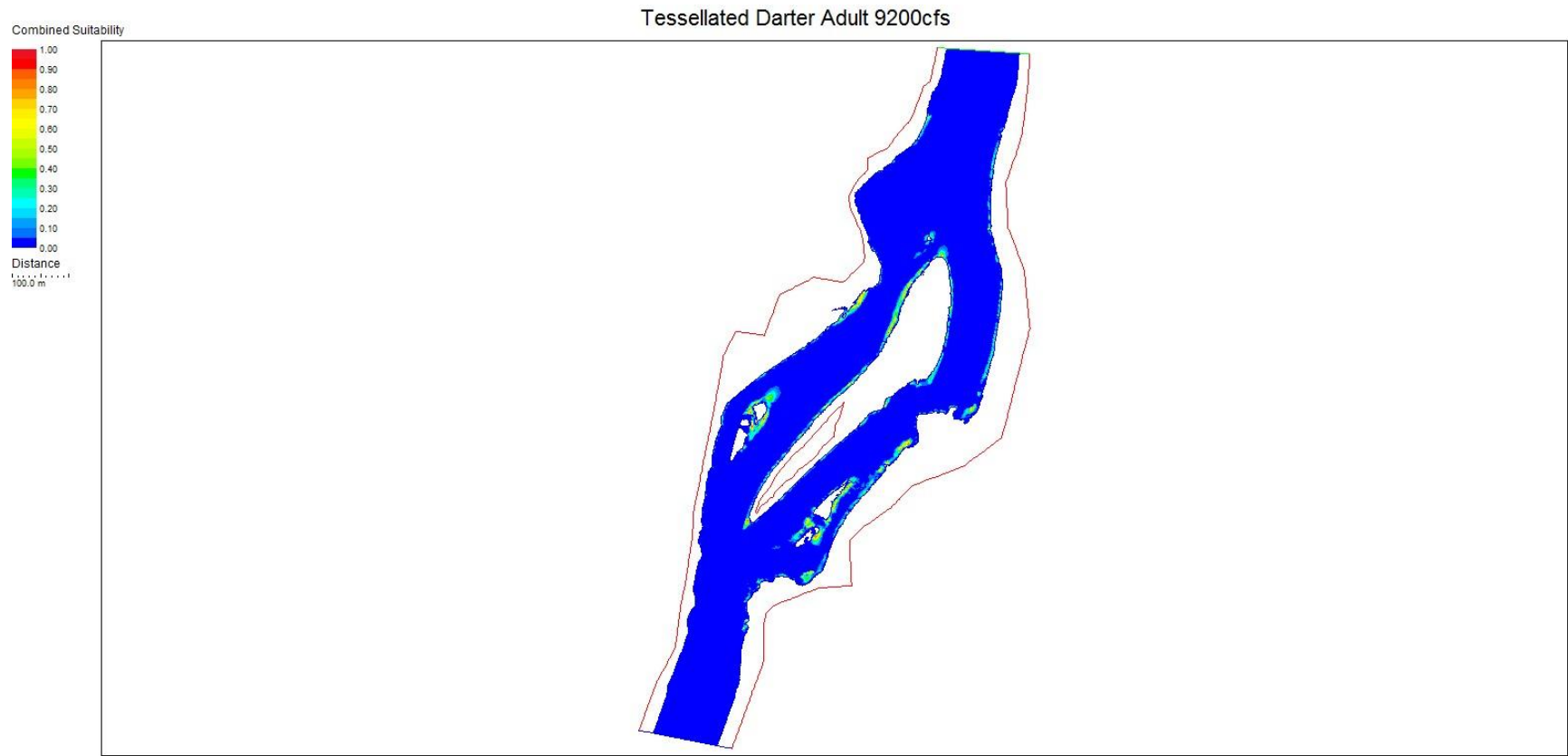


Tessellated Darter Adult 7200cfs

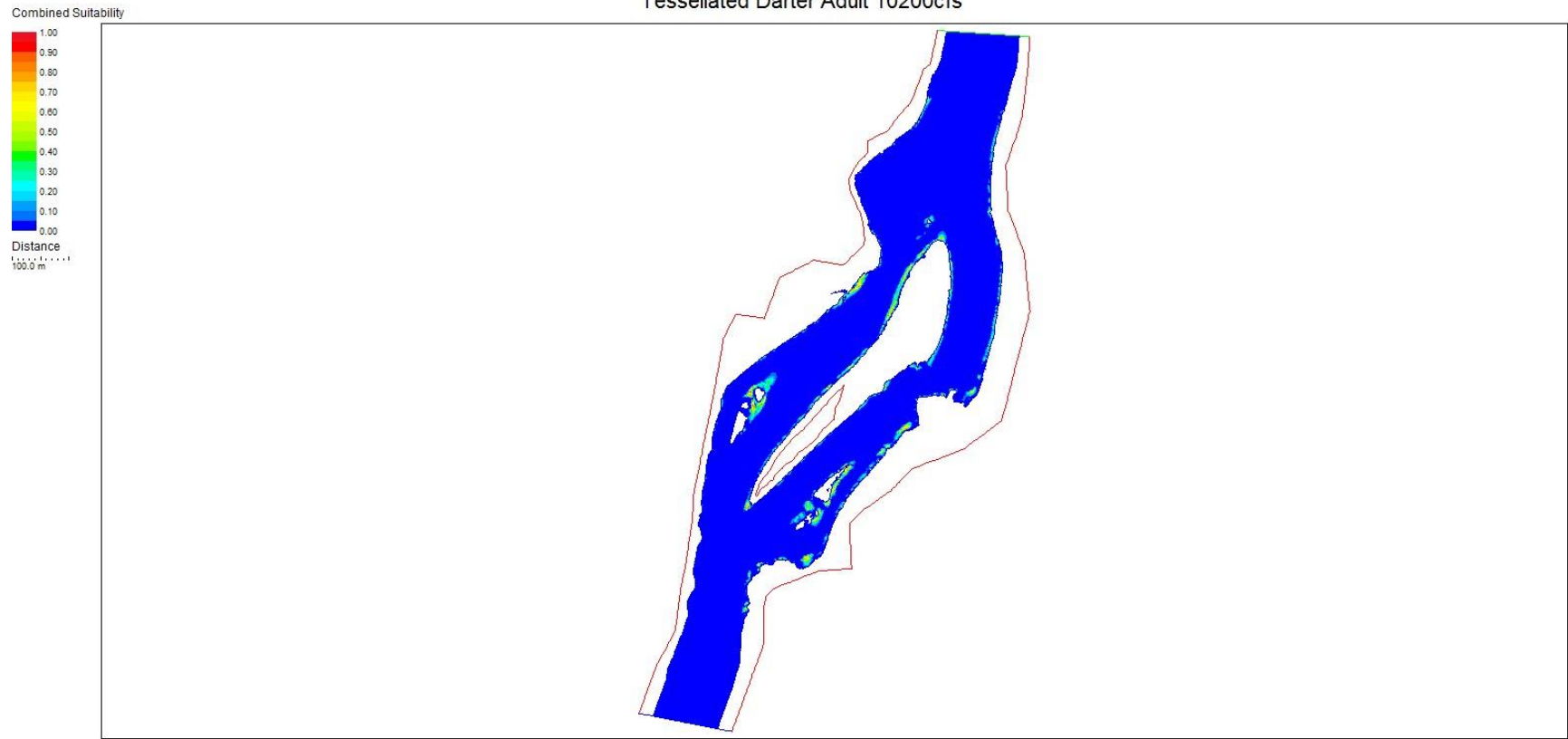


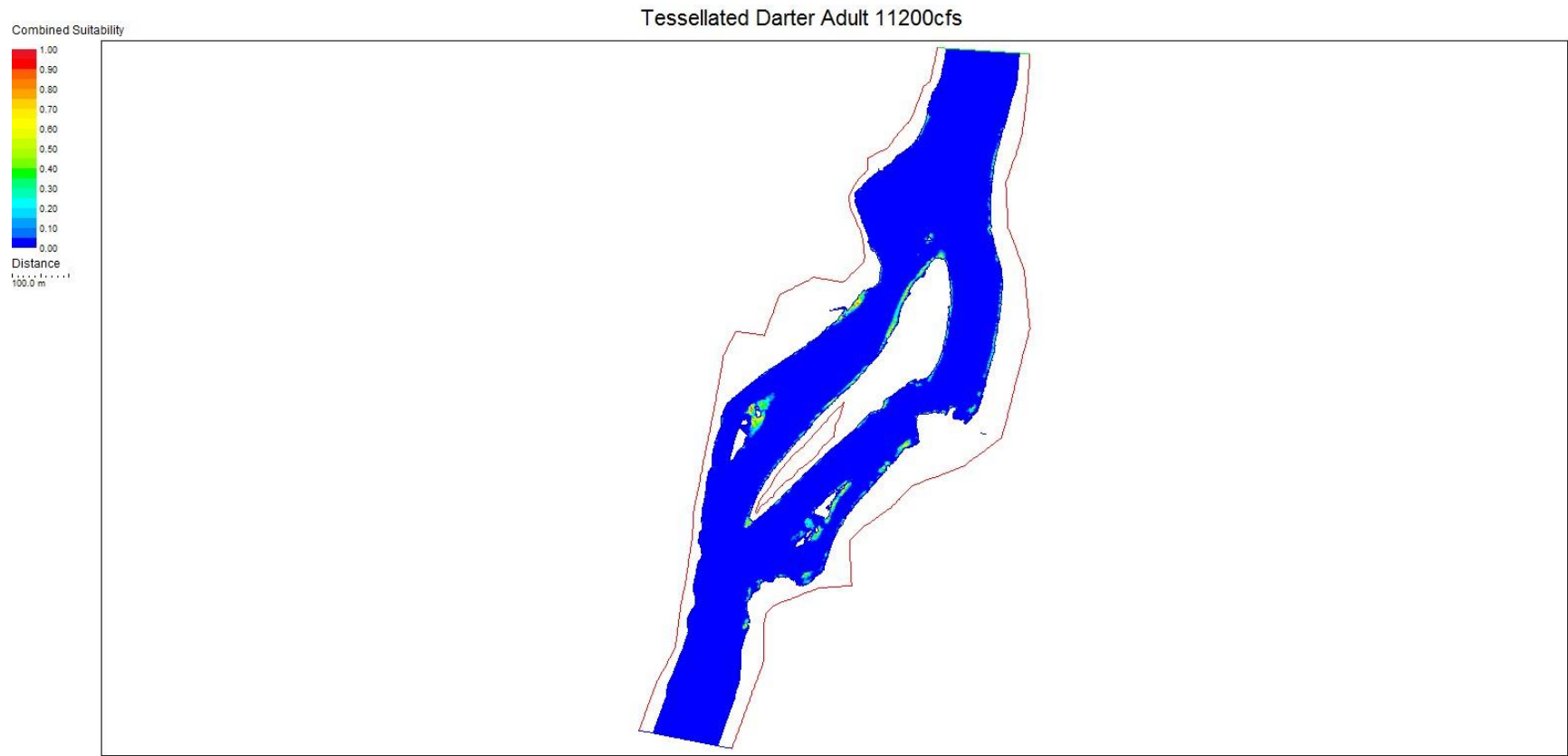
Tessellated Darter Adult 8200cfs



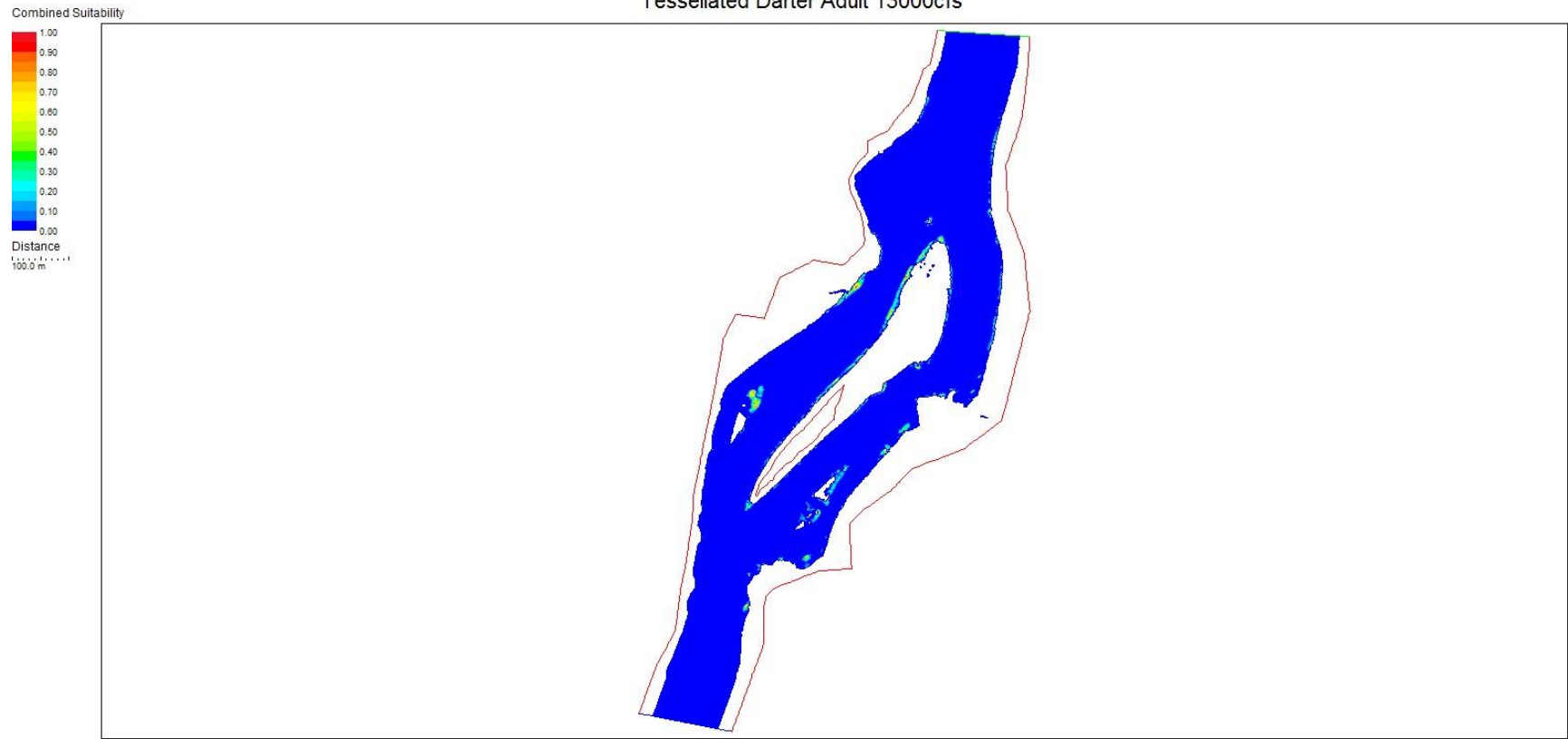


Tessellated Darter Adult 10200cfs

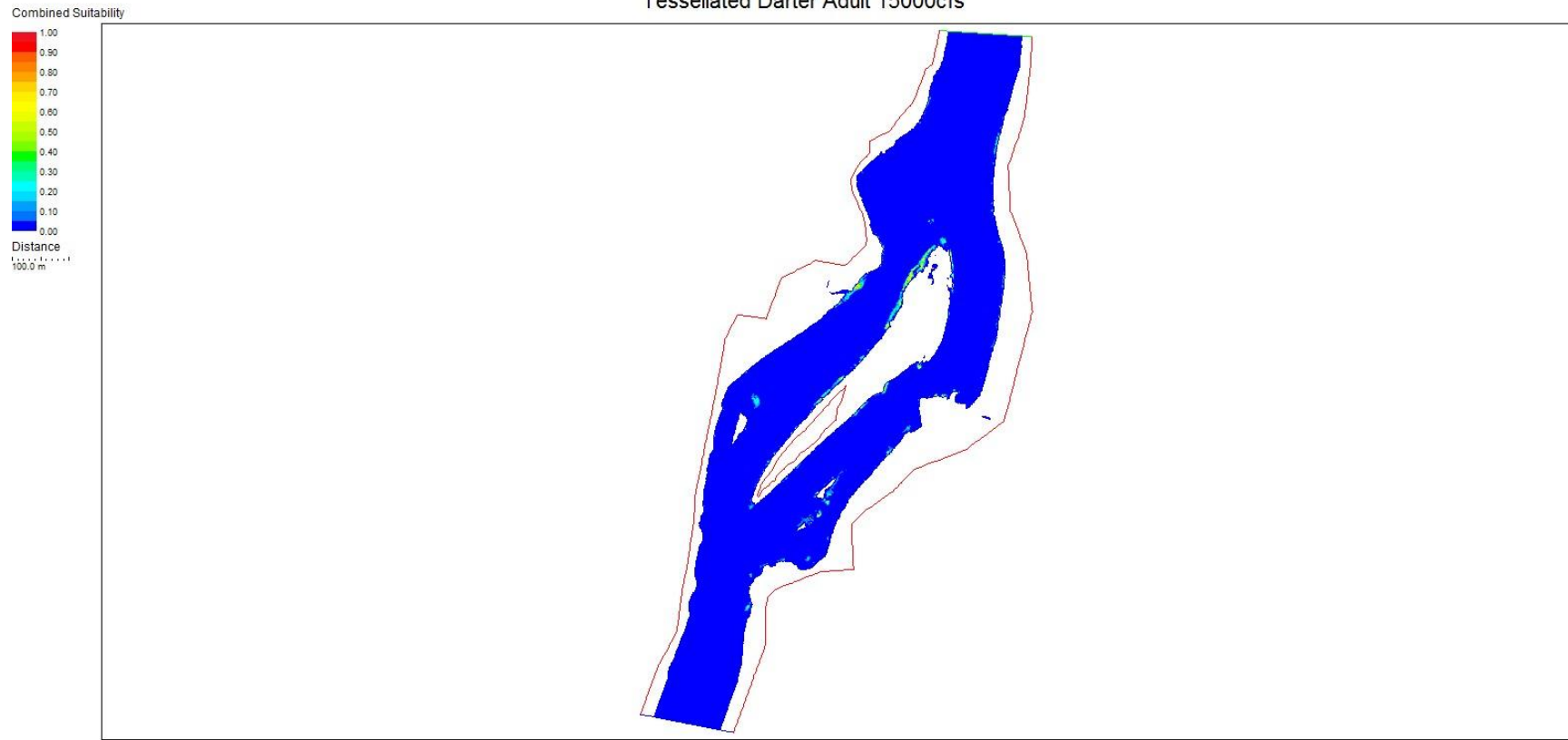


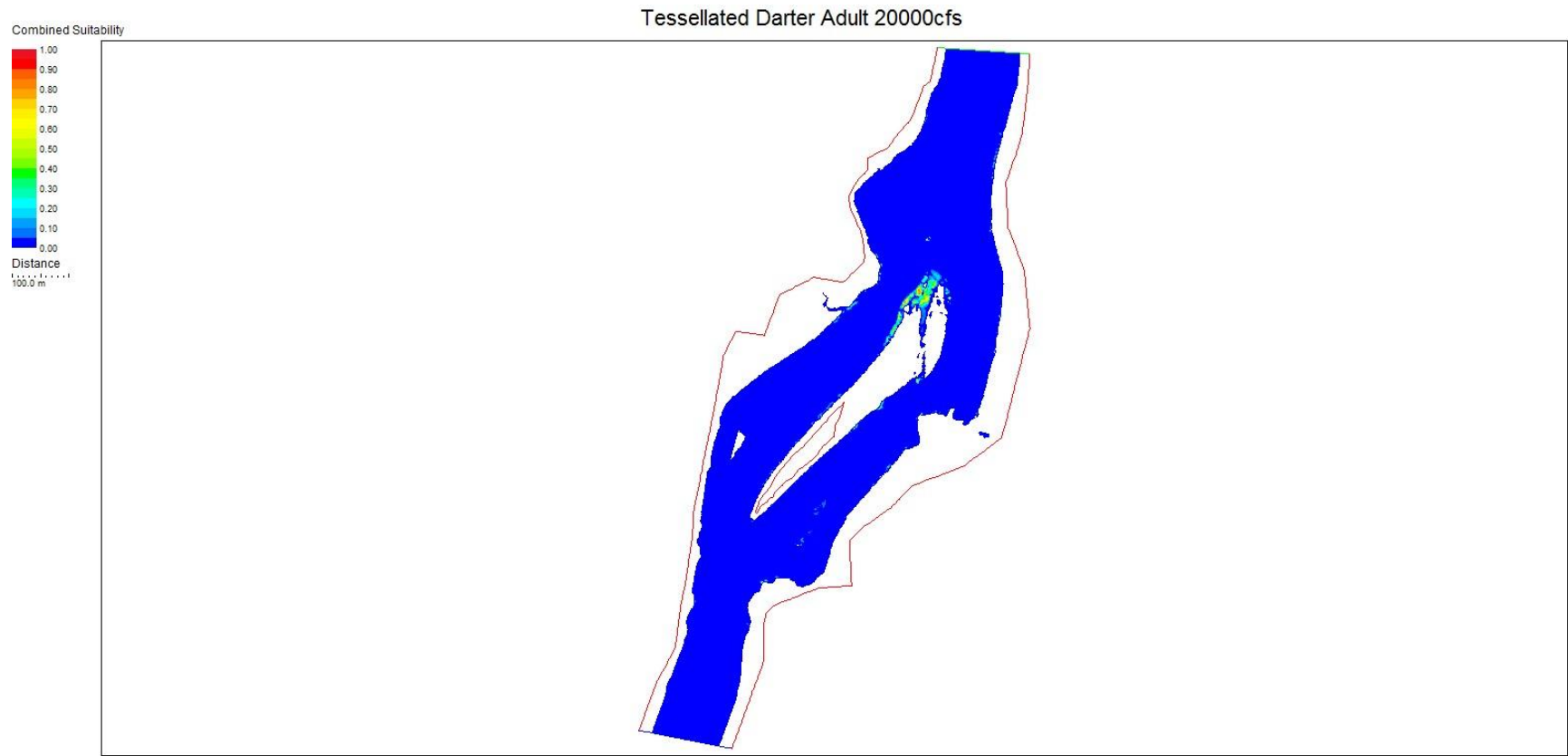


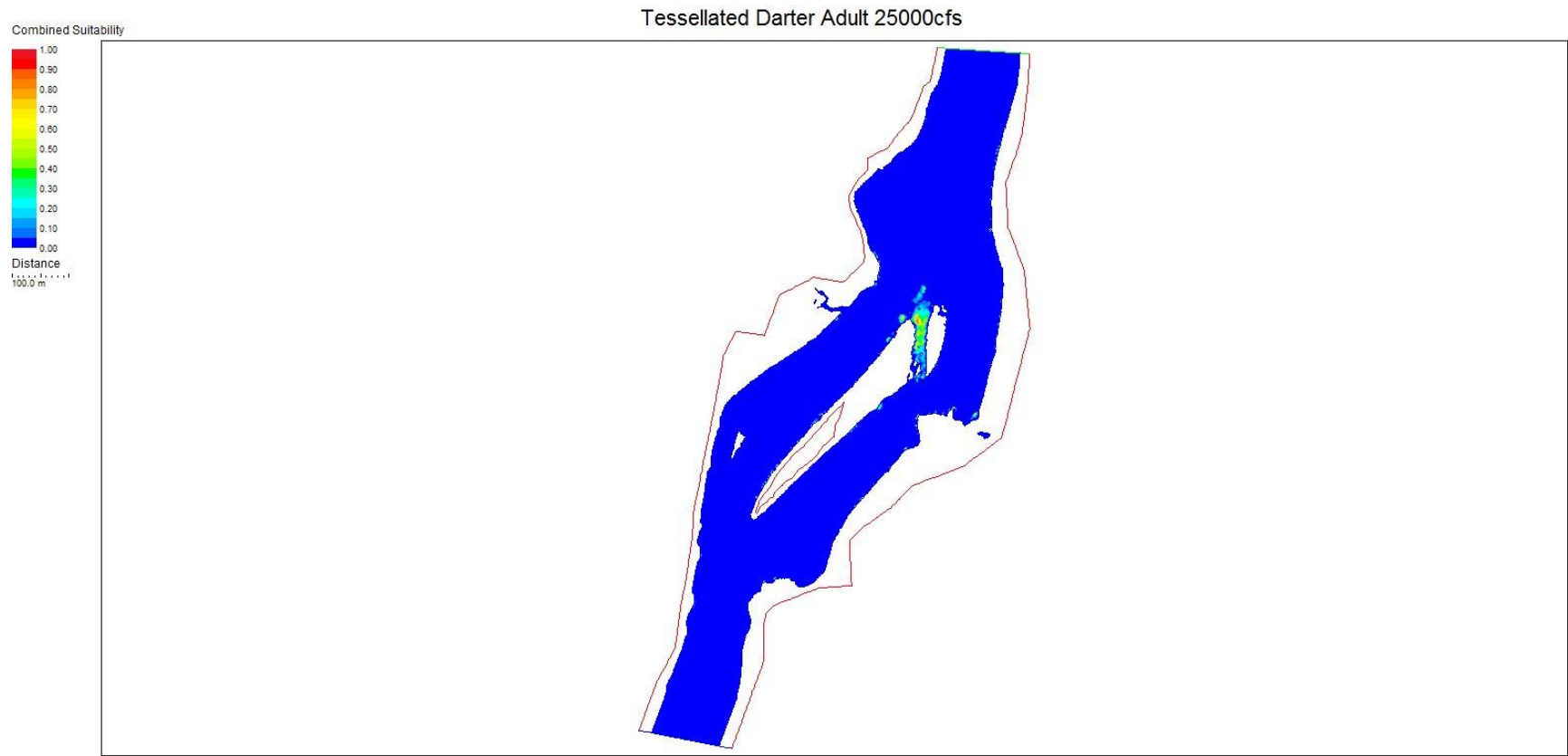
Tessellated Darter Adult 13000cfs



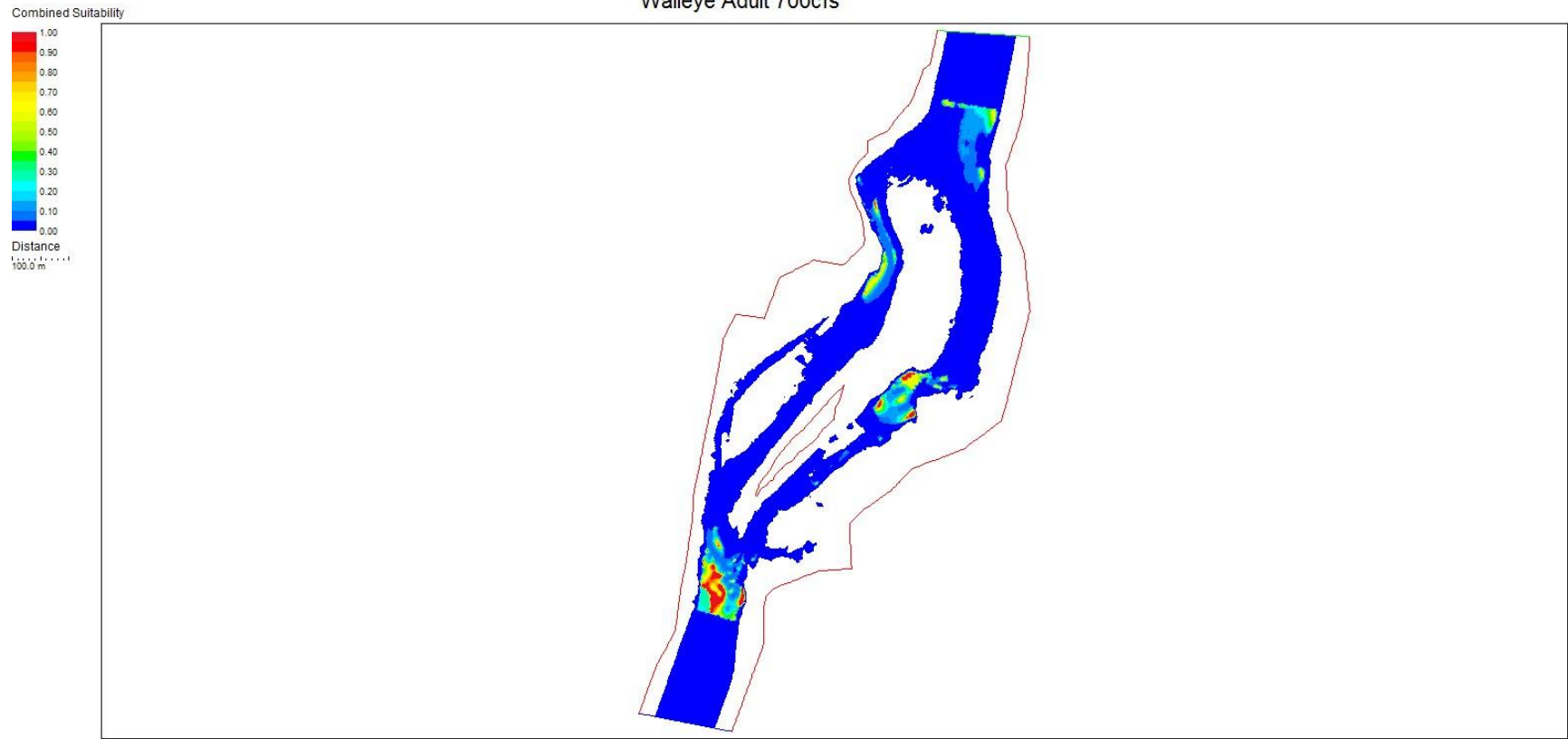
Tessellated Darter Adult 15000cfs



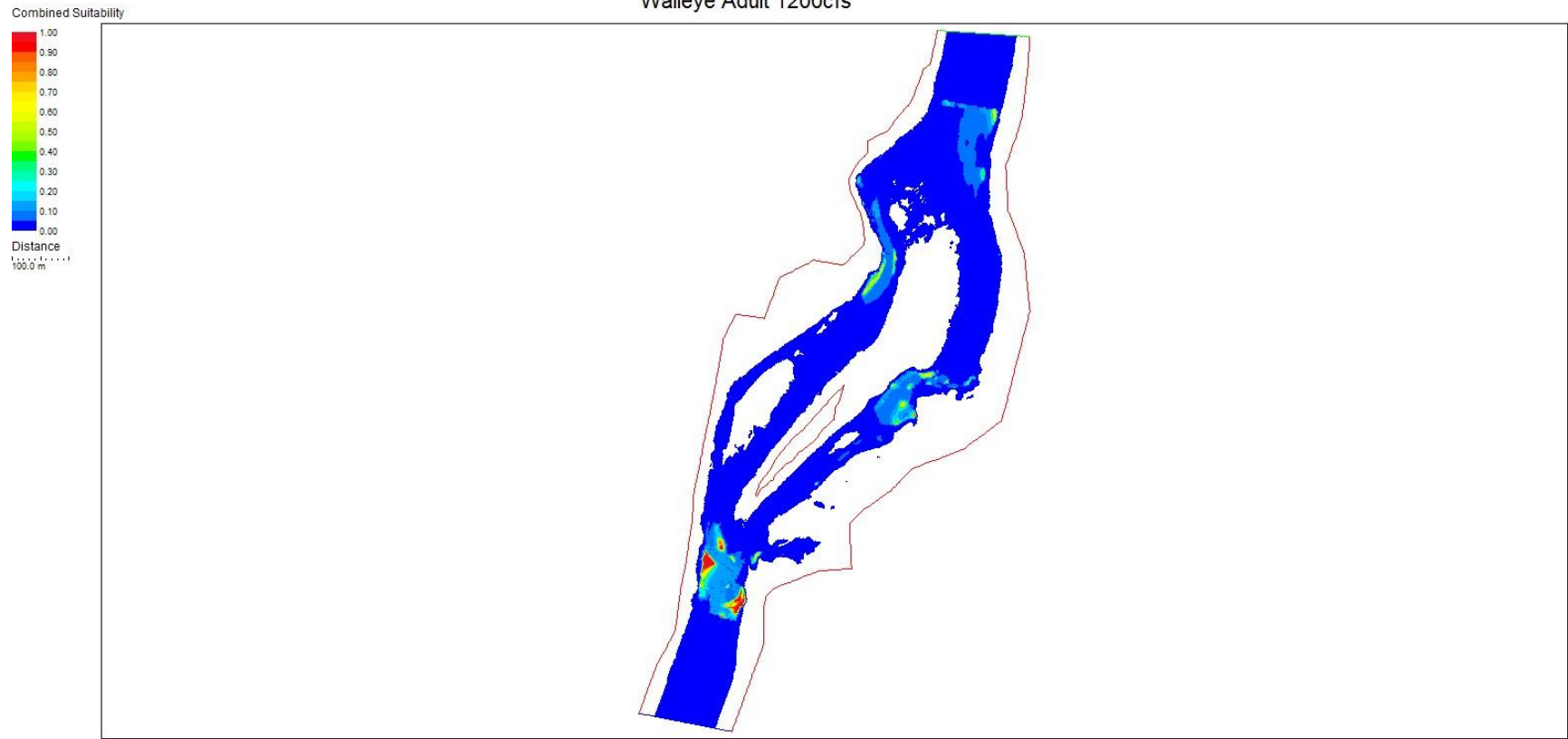




Walleye Adult 700cfs

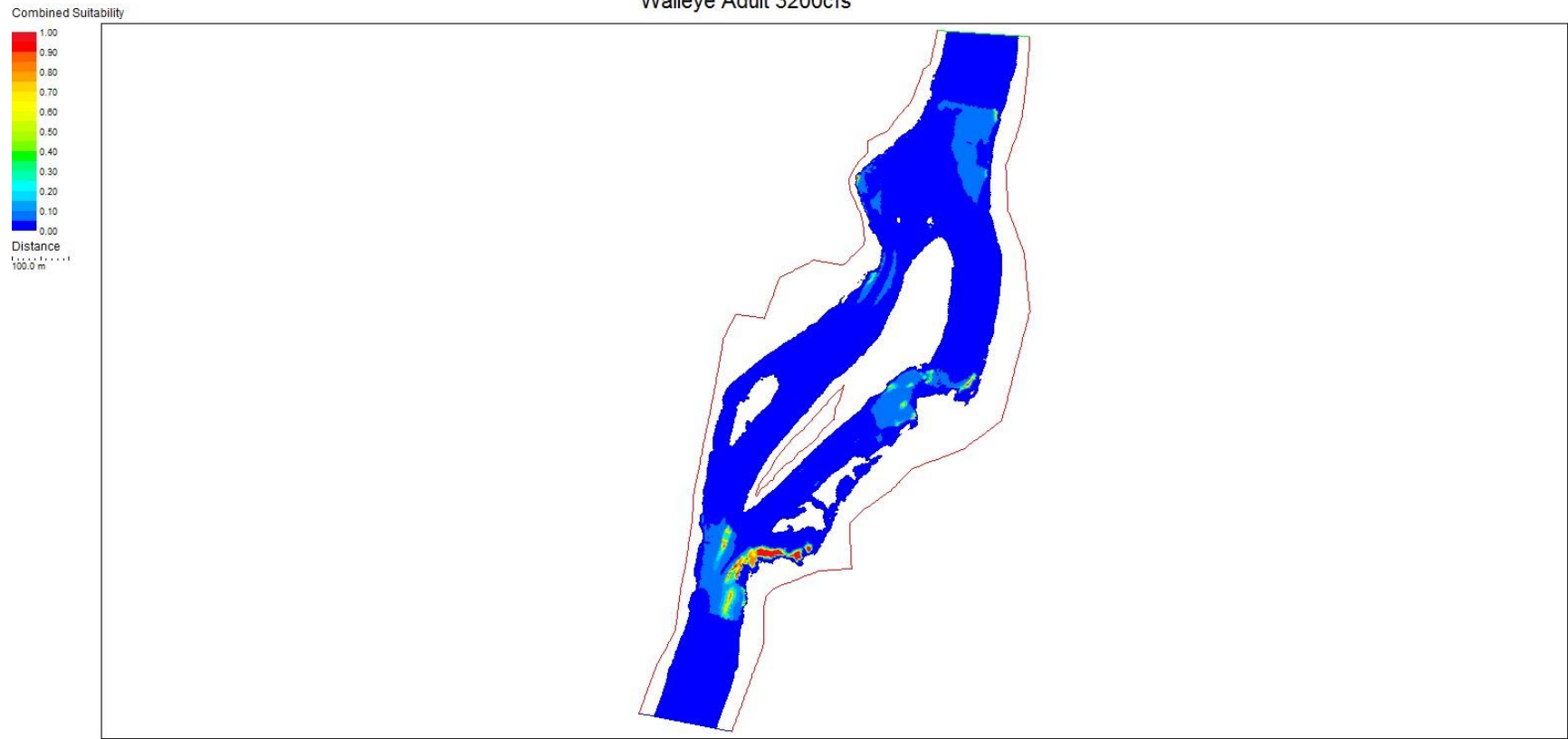


Walleye Adult 1200cfs

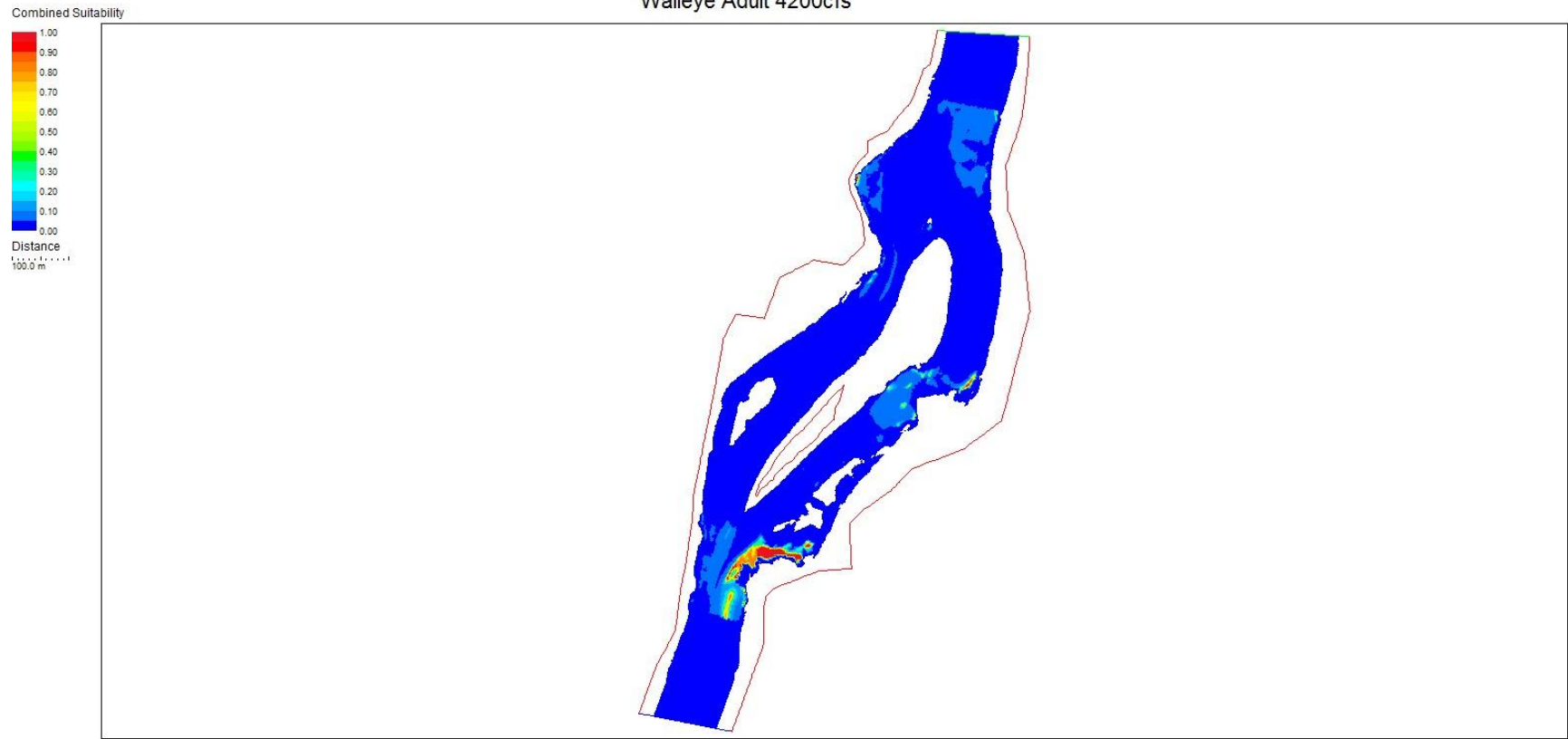




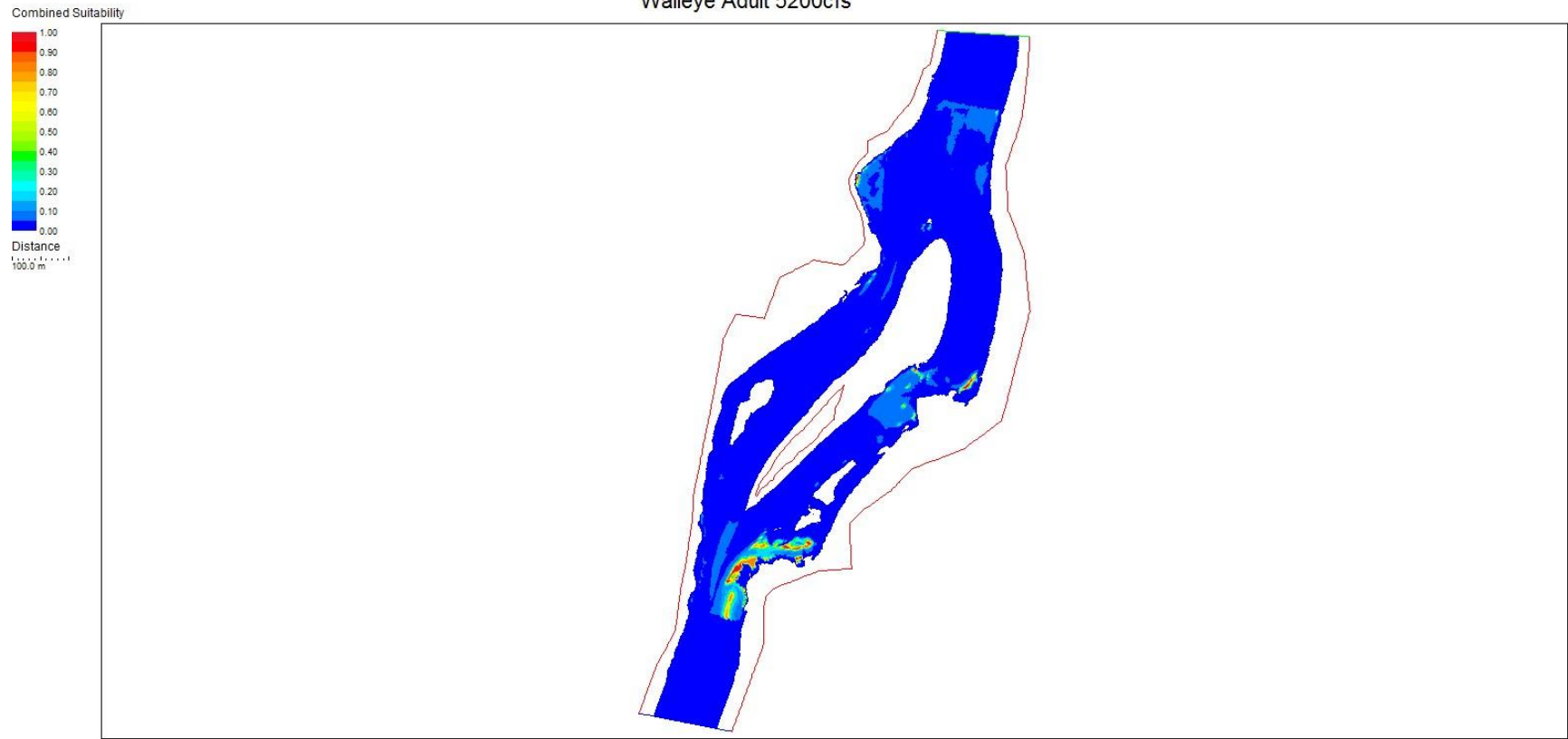
Walleye Adult 3200cfs



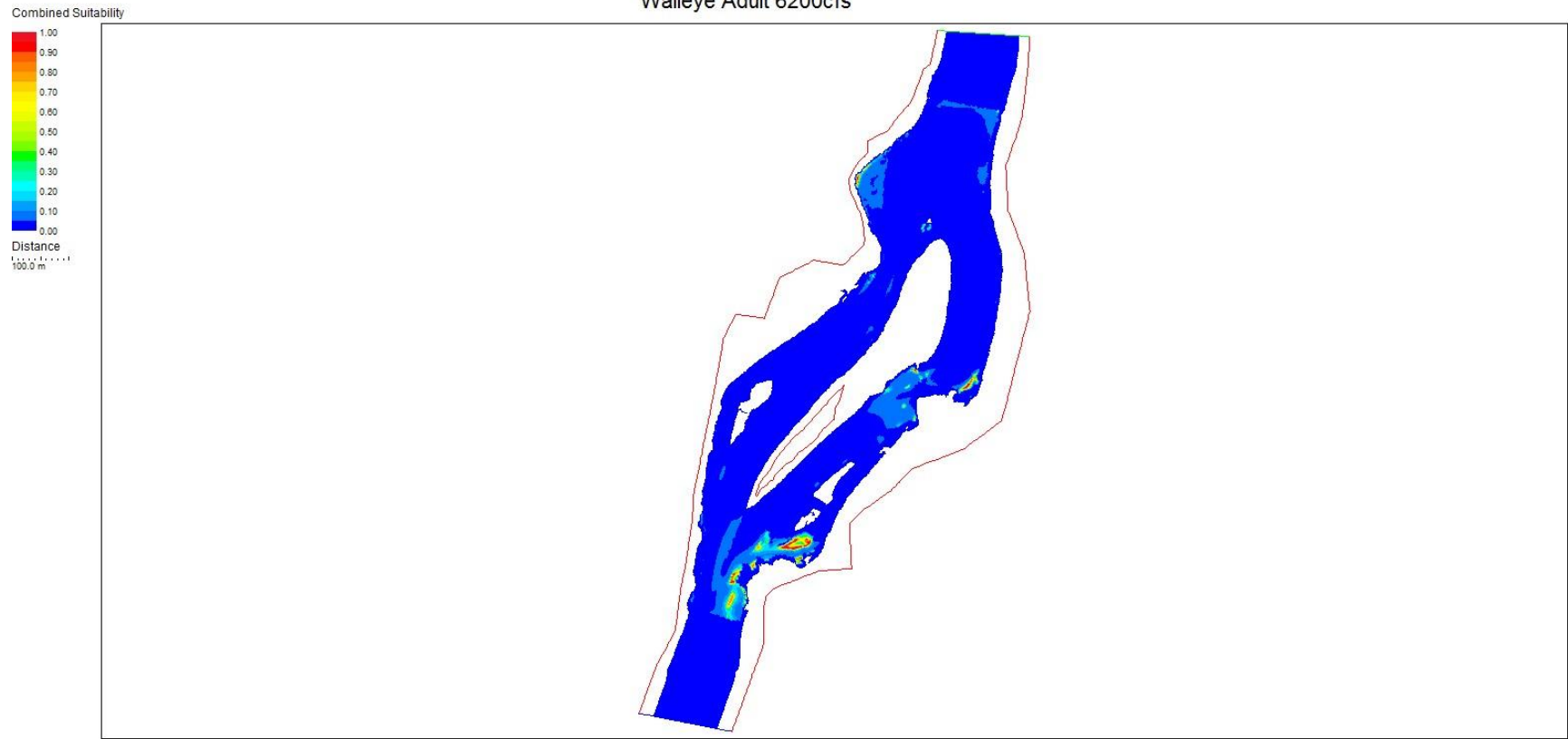
Walleye Adult 4200cfs



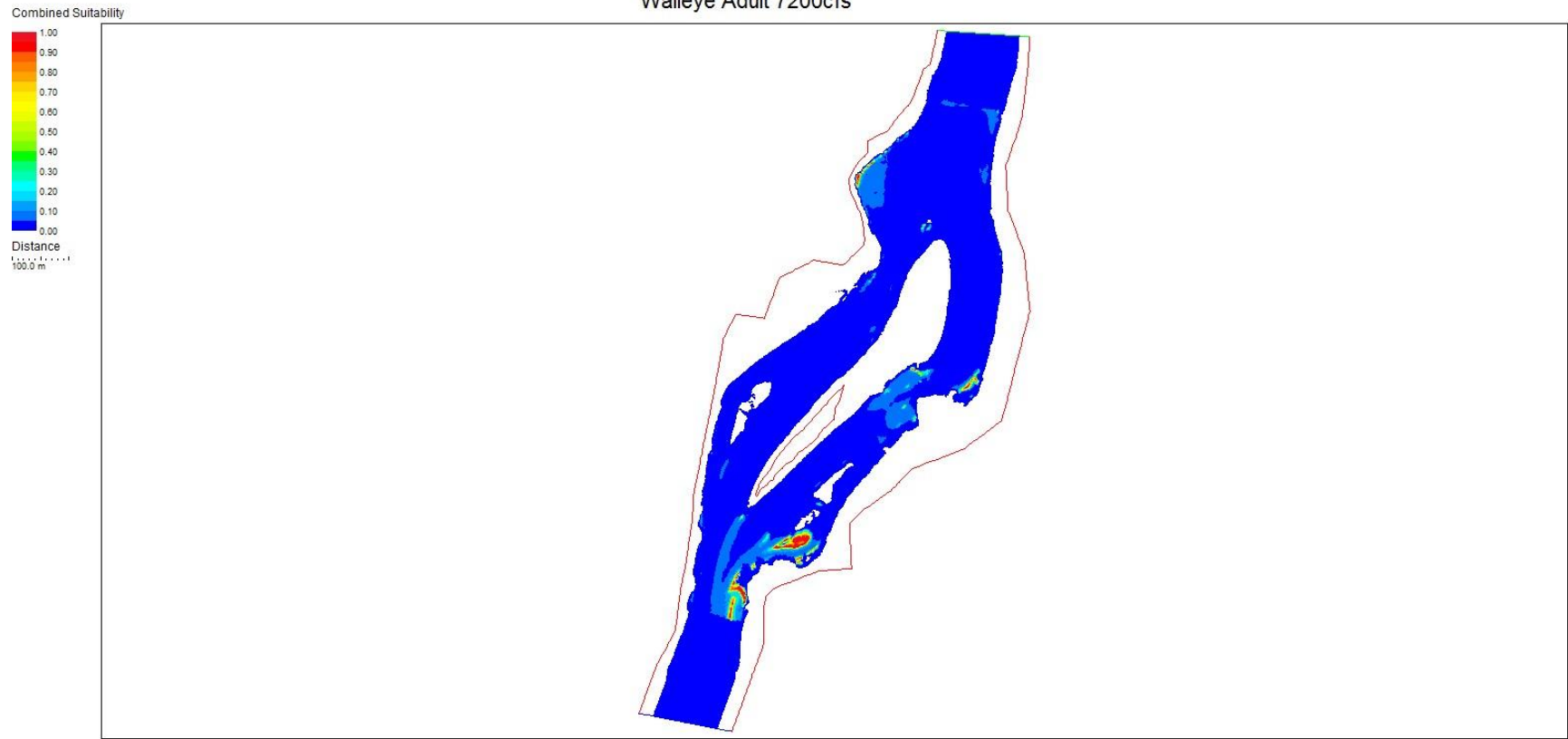
Walleye Adult 5200cfs



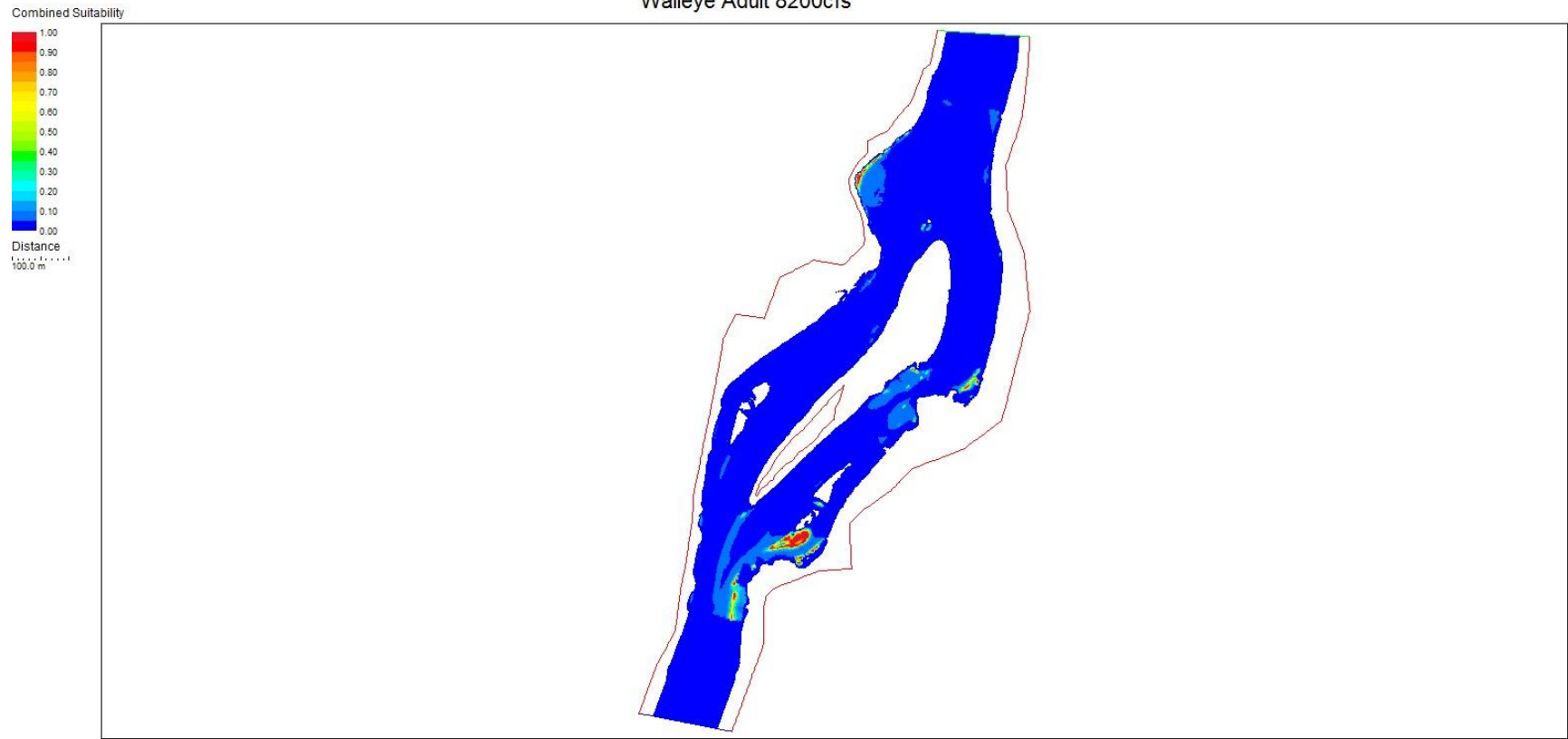
Walleye Adult 6200cfs



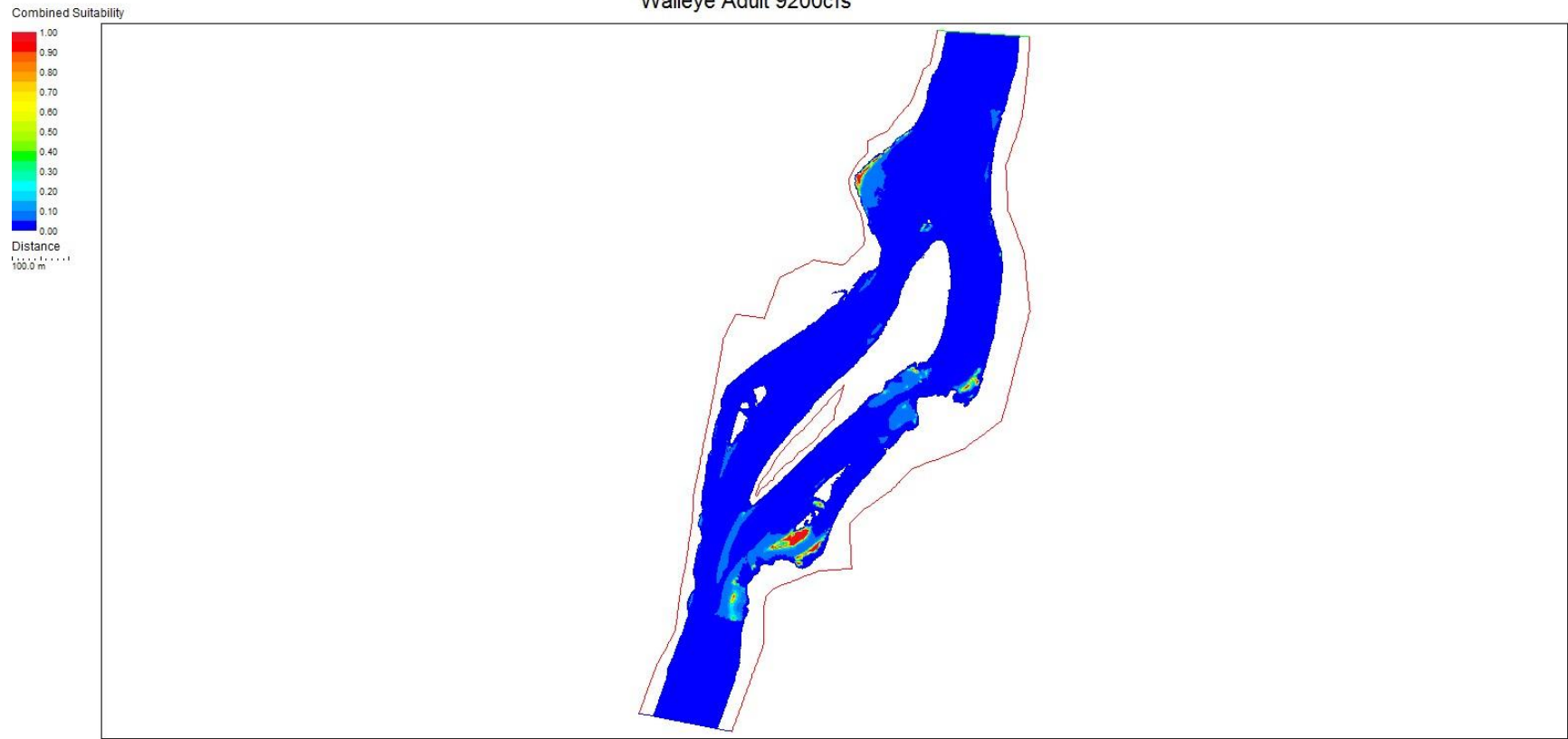
Walleye Adult 7200cfs



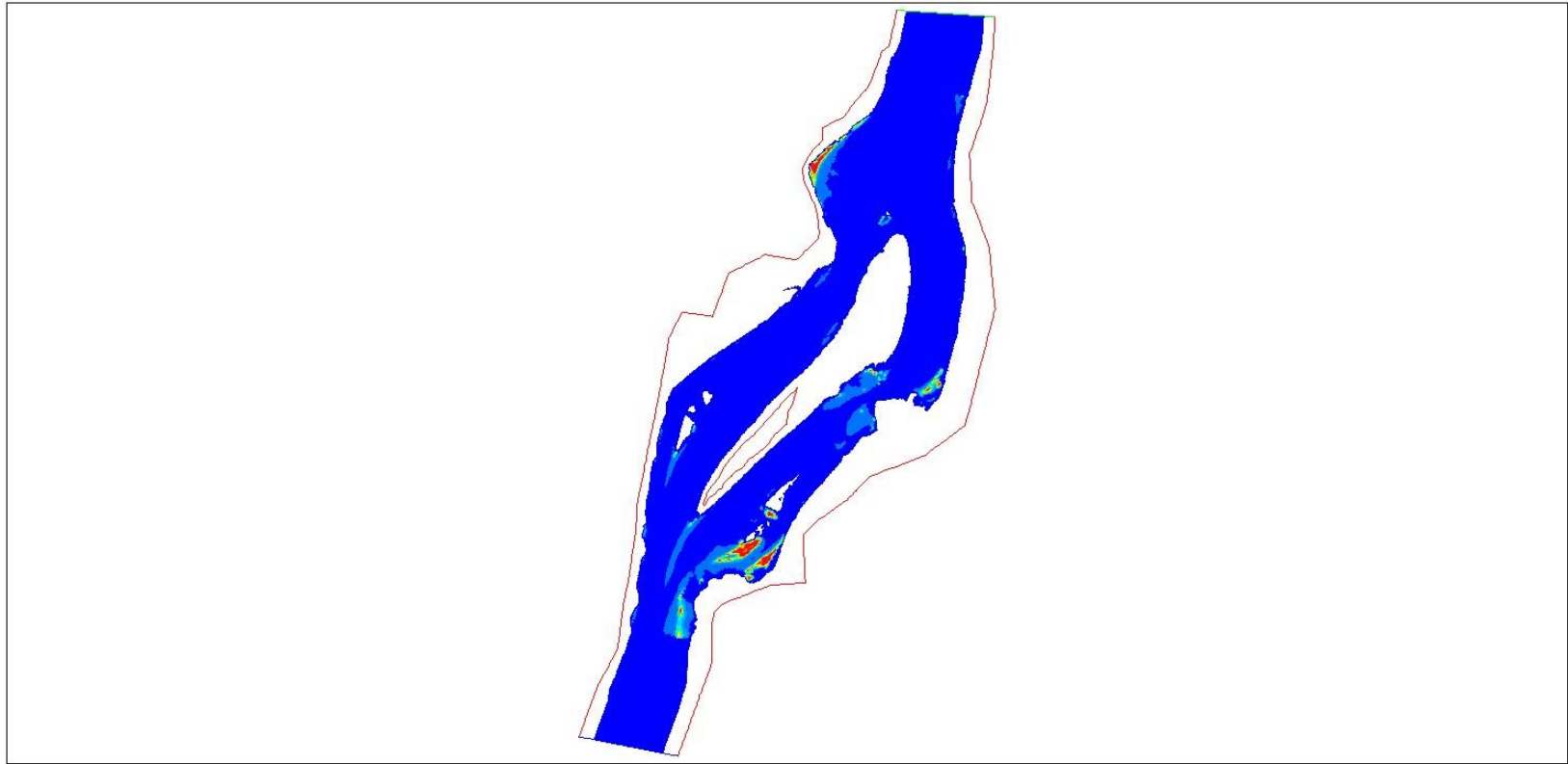
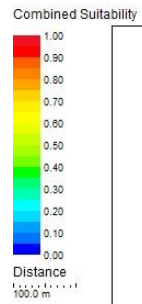
Walleye Adult 8200cfs



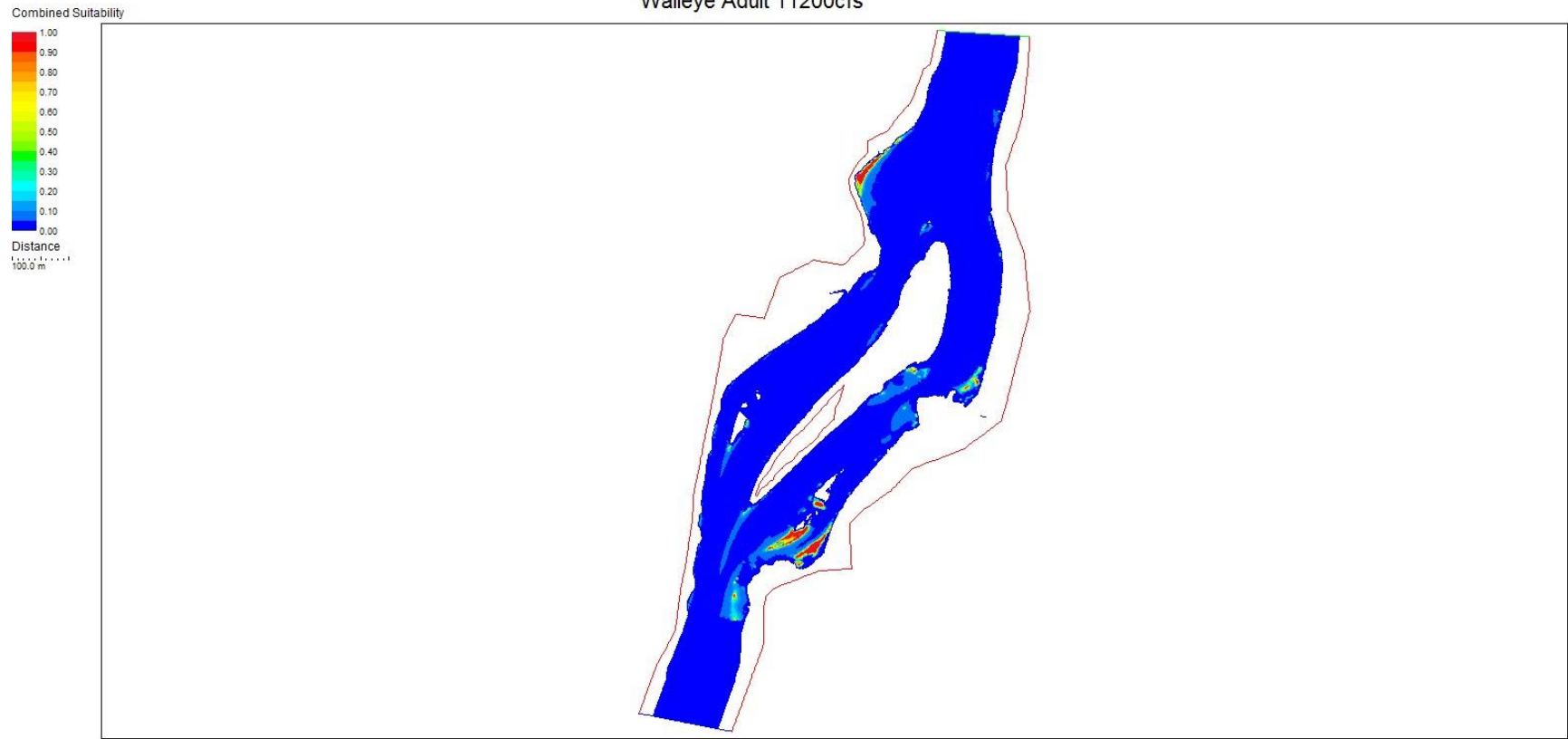
Walleye Adult 9200cfs



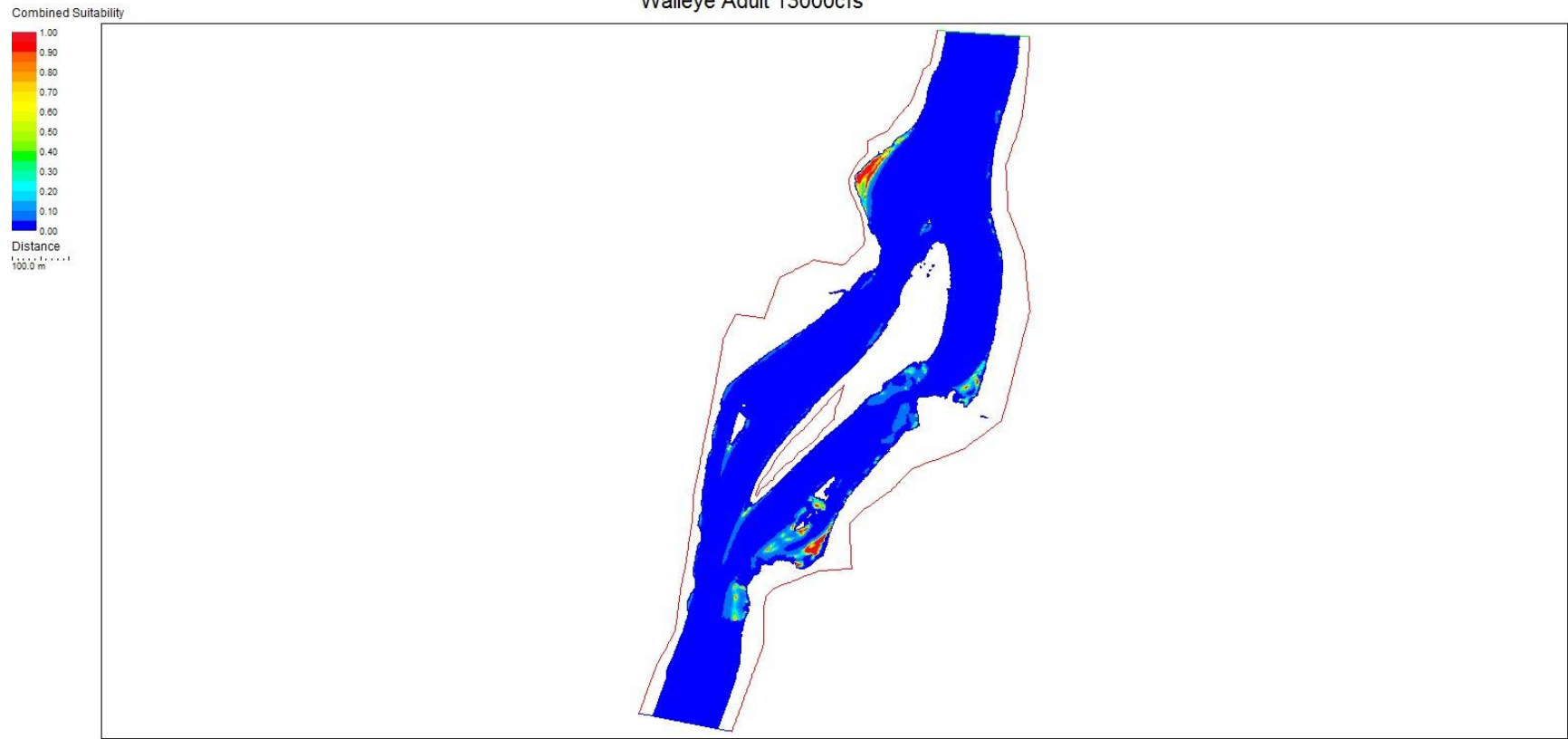
Walleye Adult 10200cfs



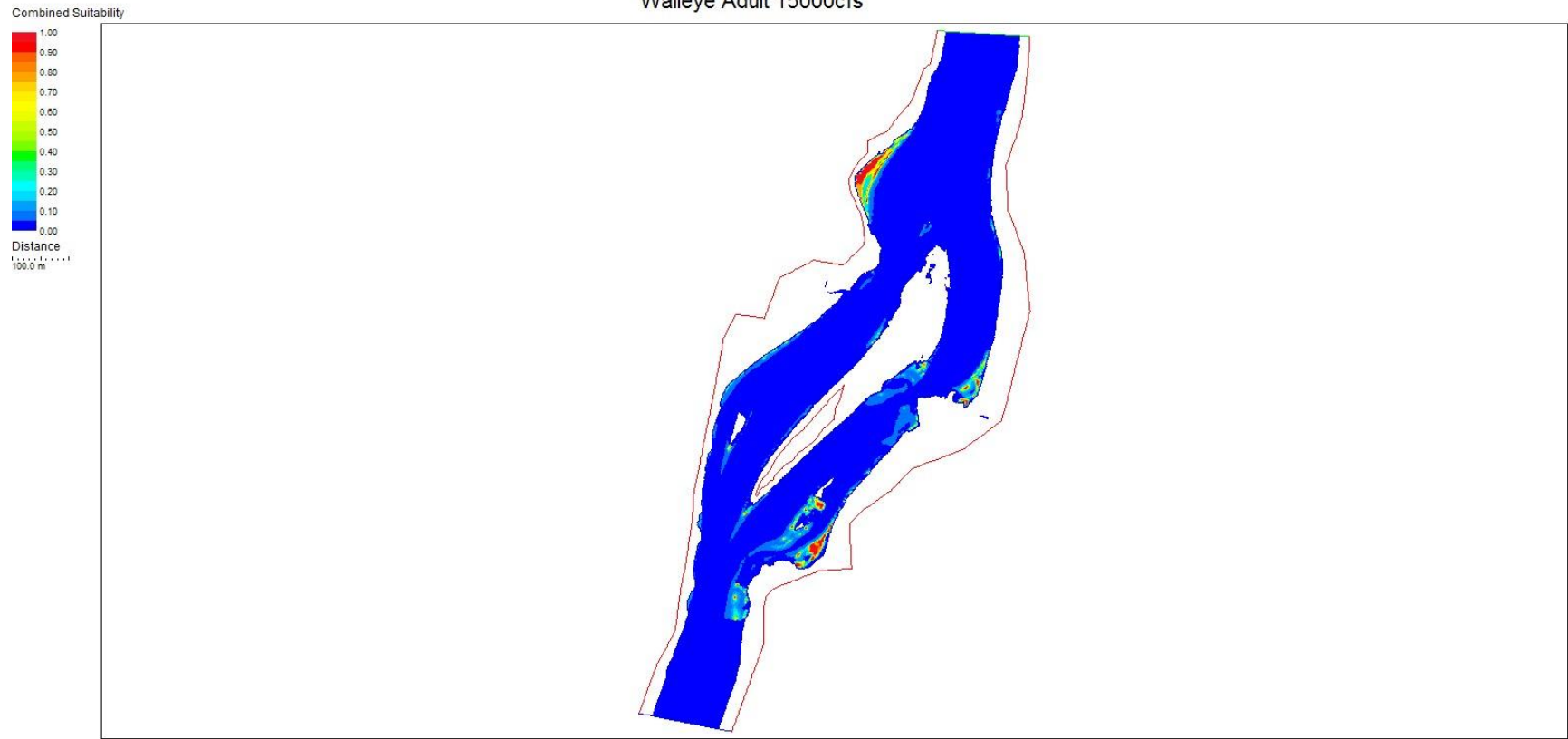
Walleye Adult 11200cfs



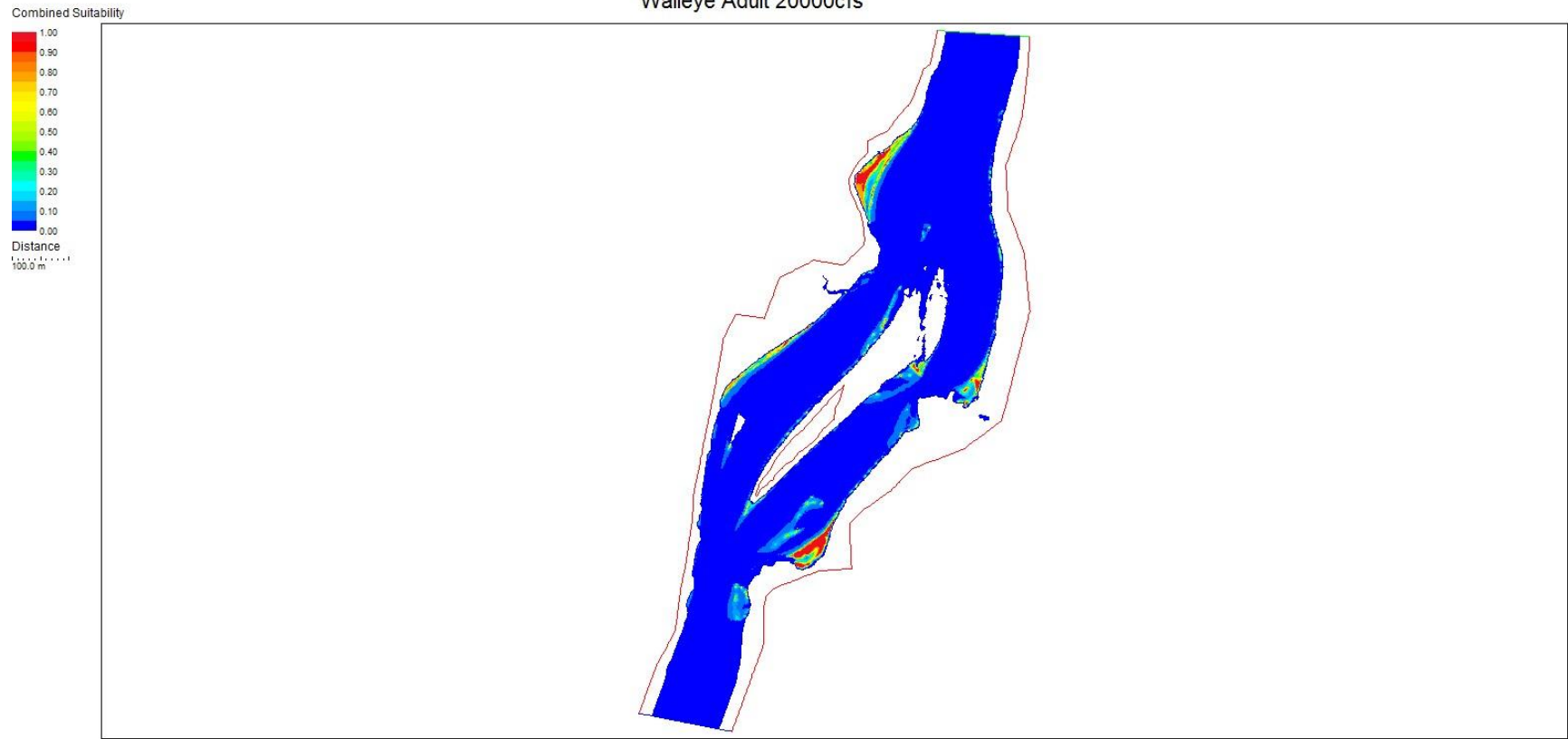
Walleye Adult 13000cfs

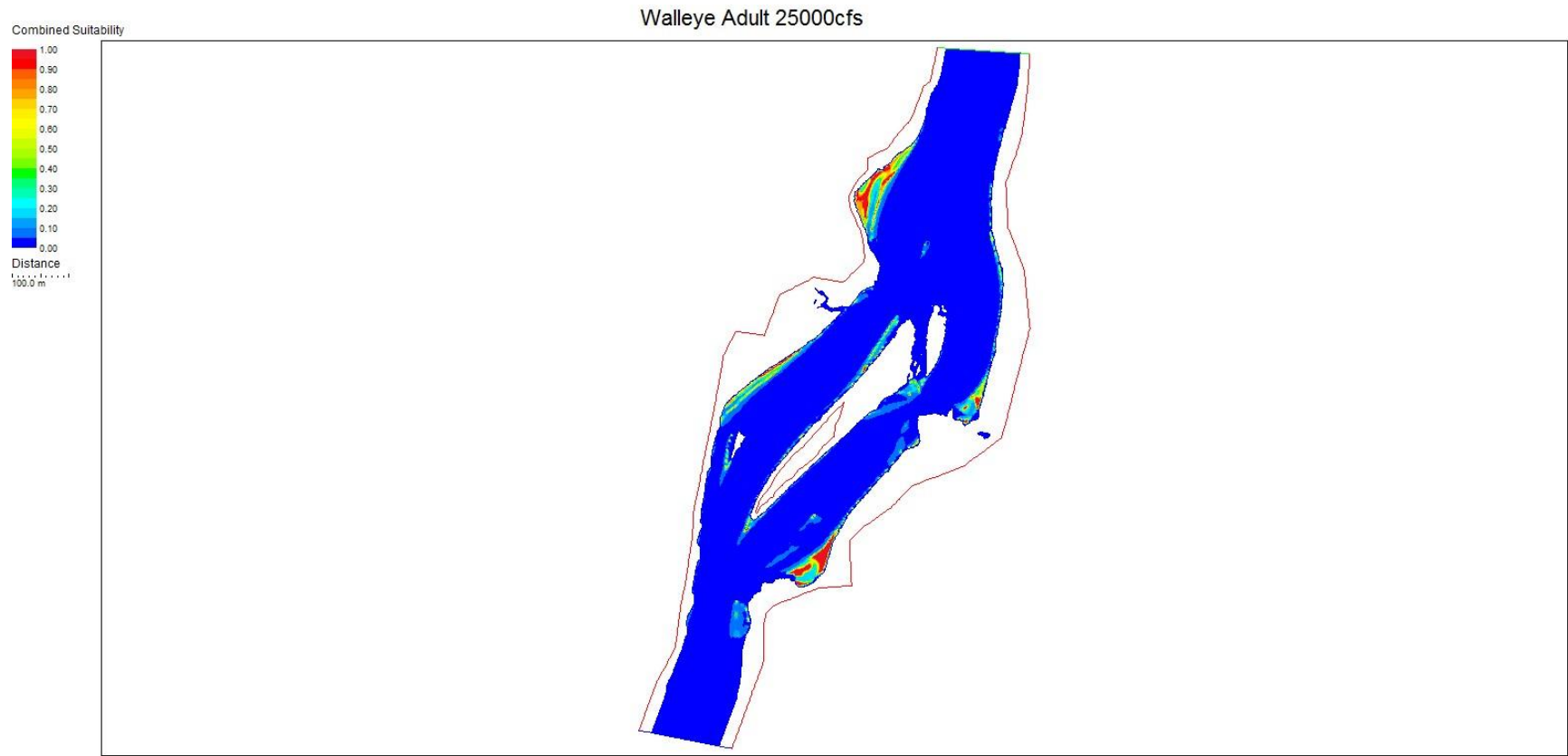


Walleye Adult 15000cfs

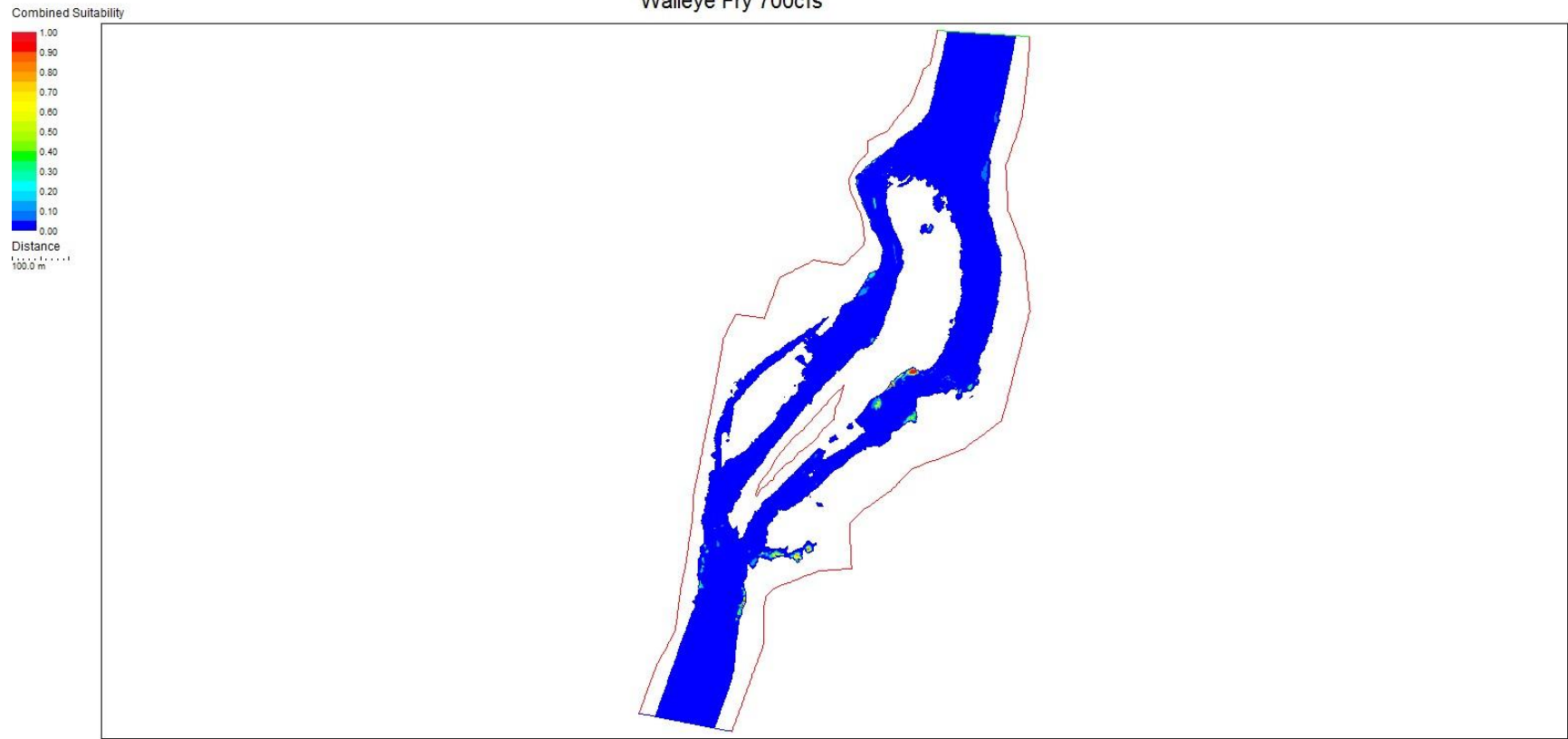


Walleye Adult 20000cfs

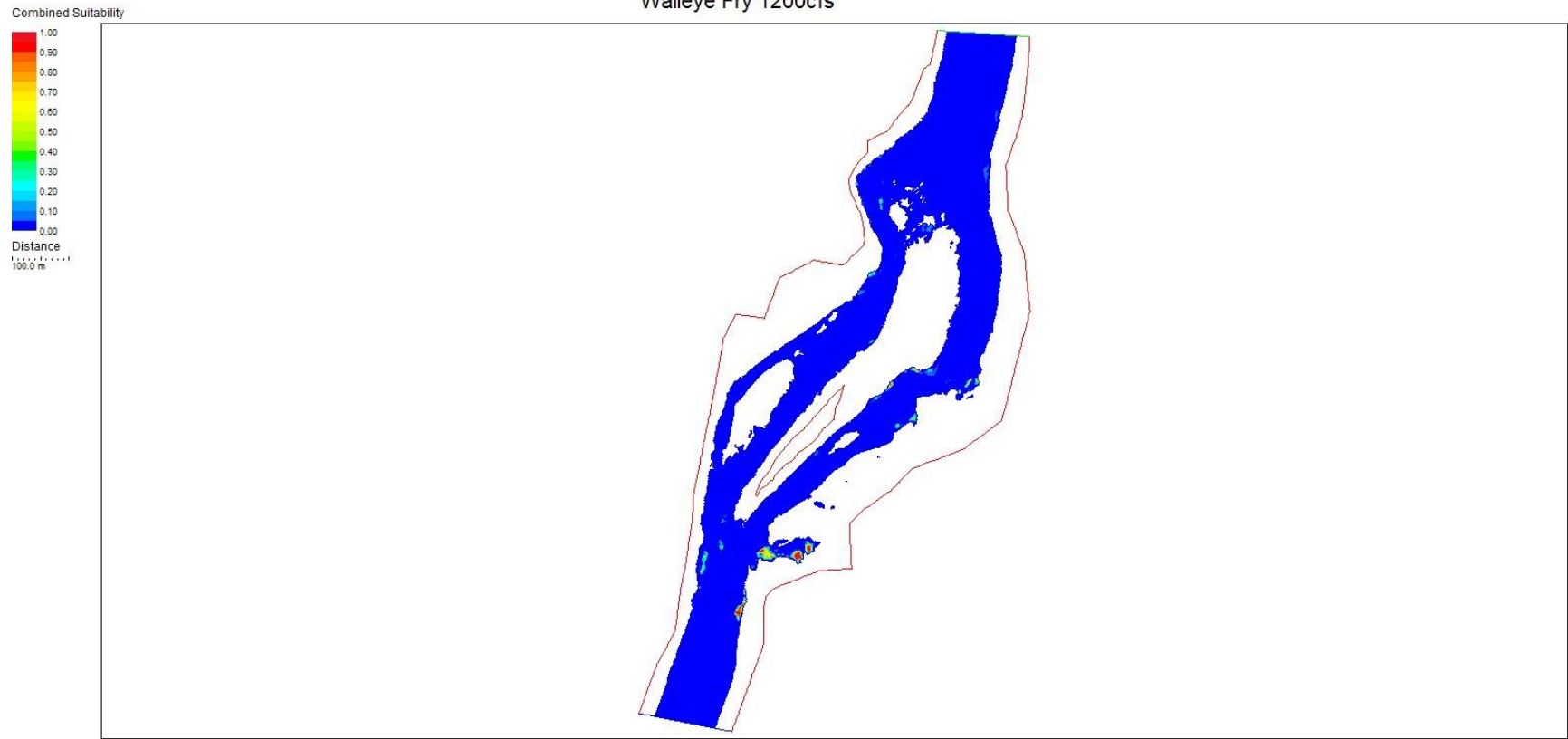




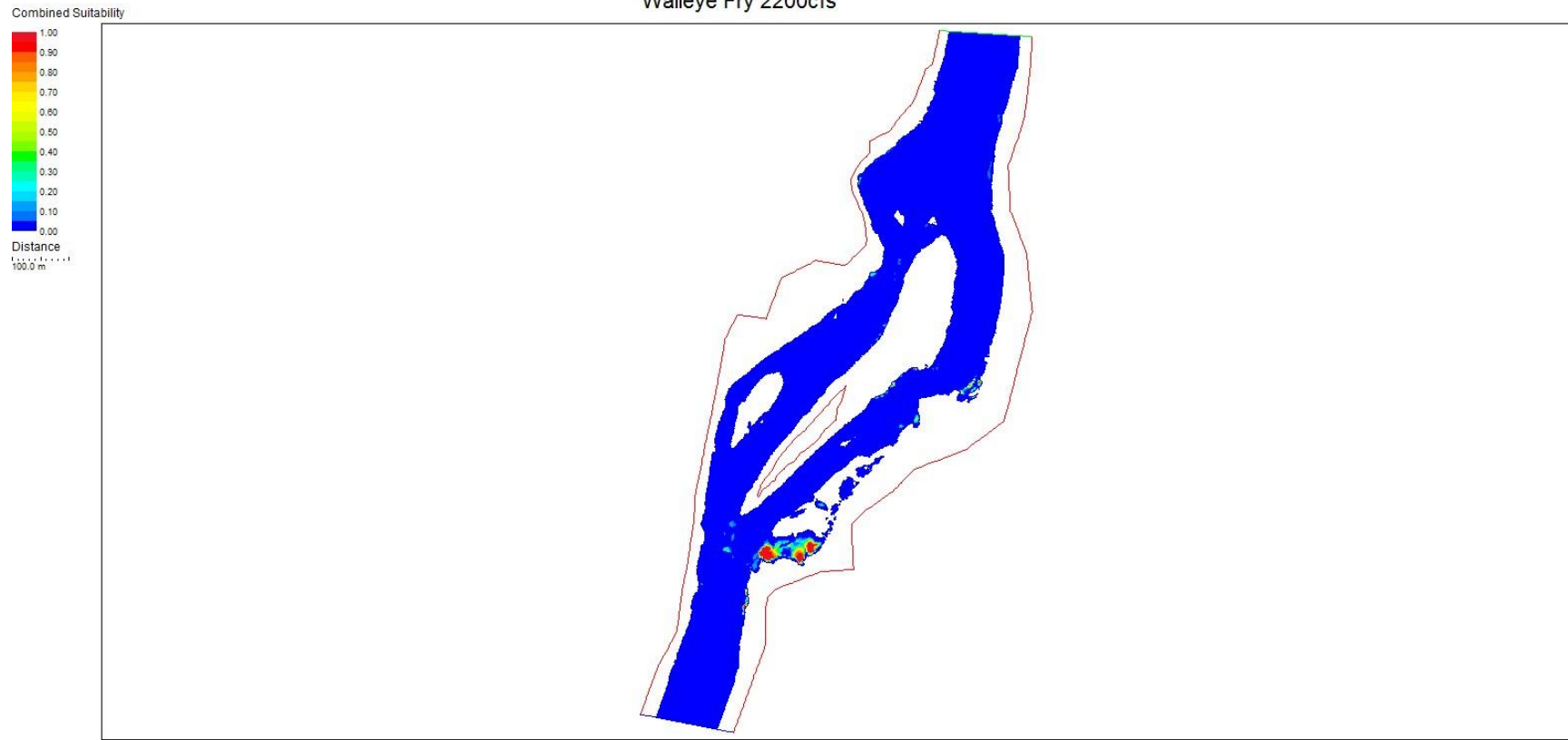
Walleye Fry 700cfs

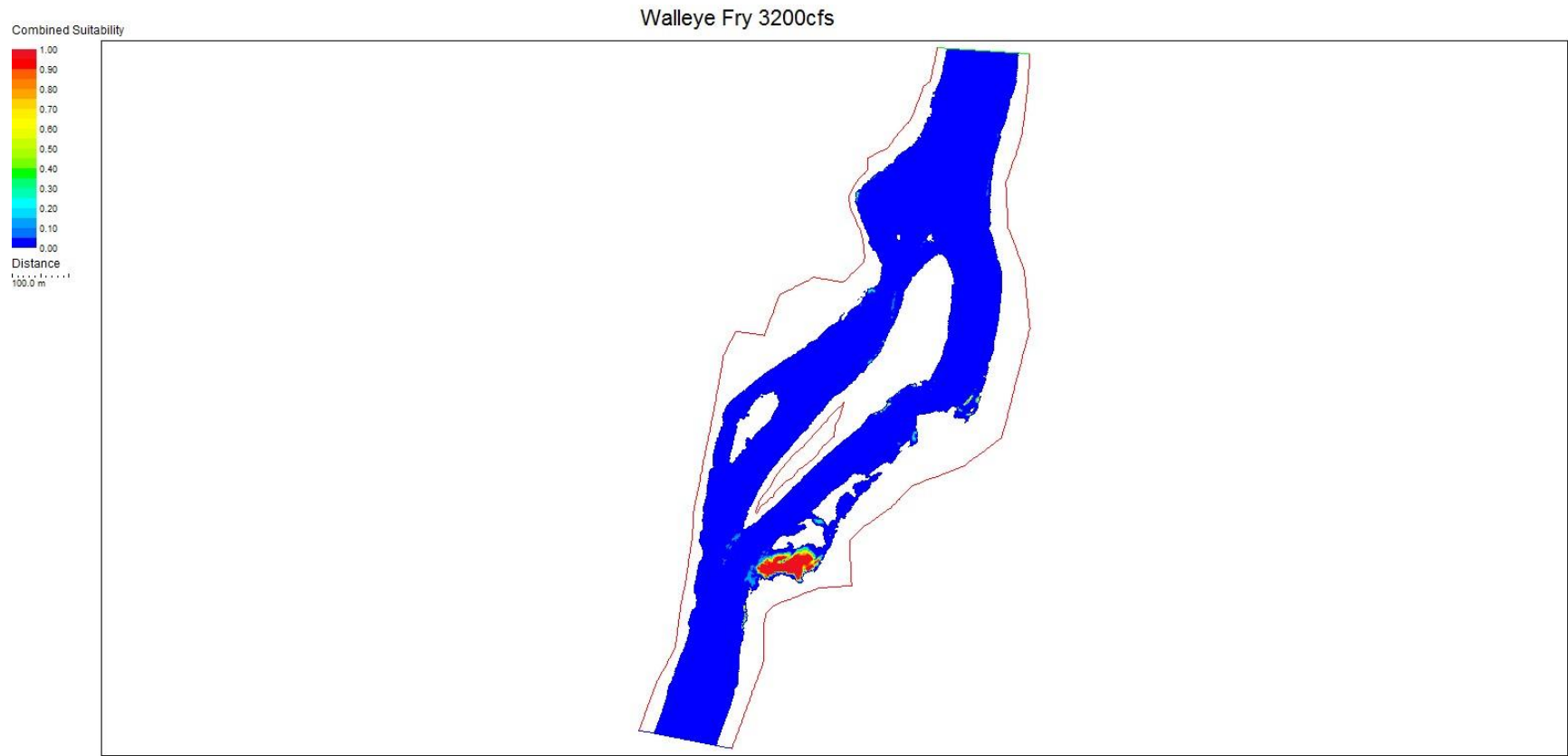


Walleye Fry 1200cfs

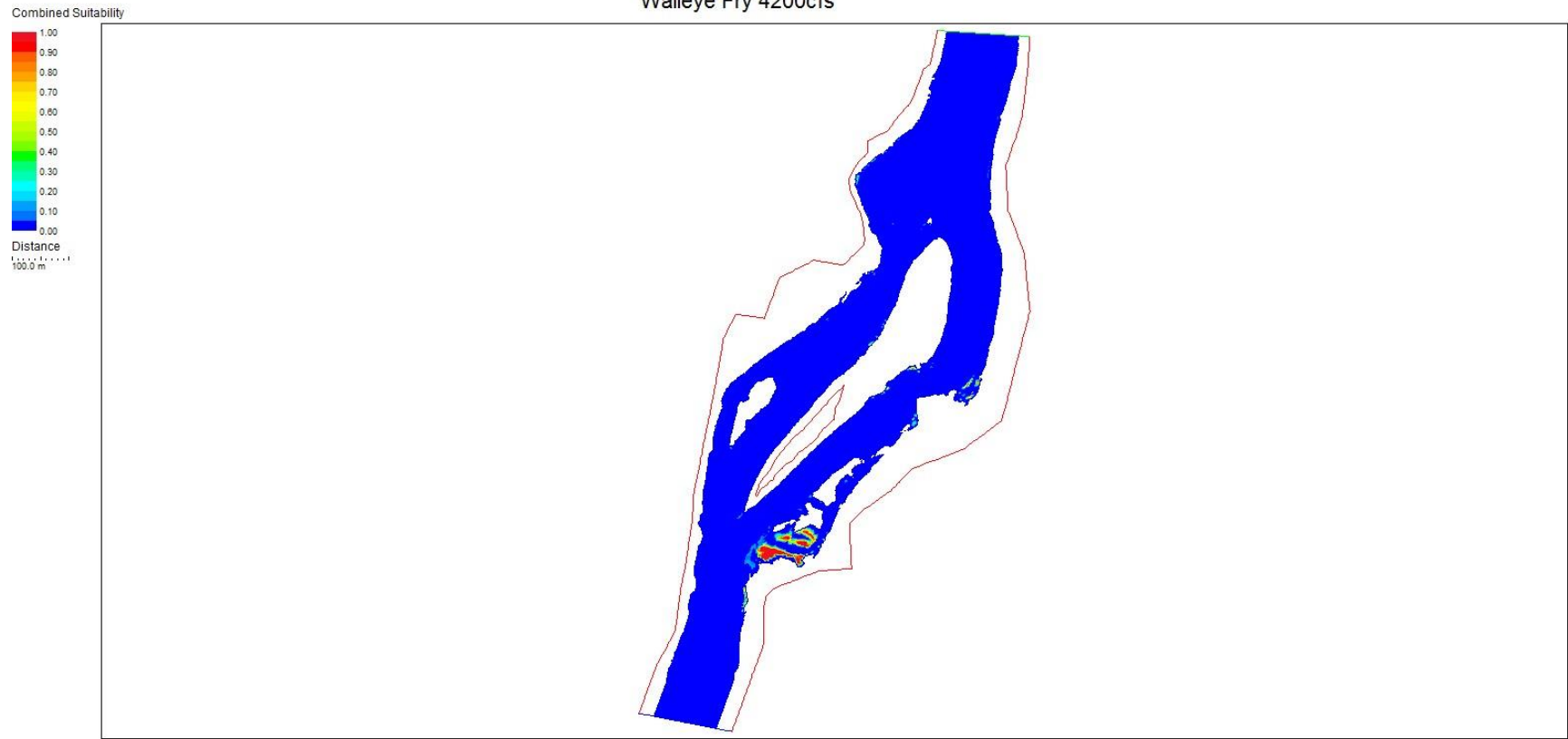


Walleye Fry 2200cfs

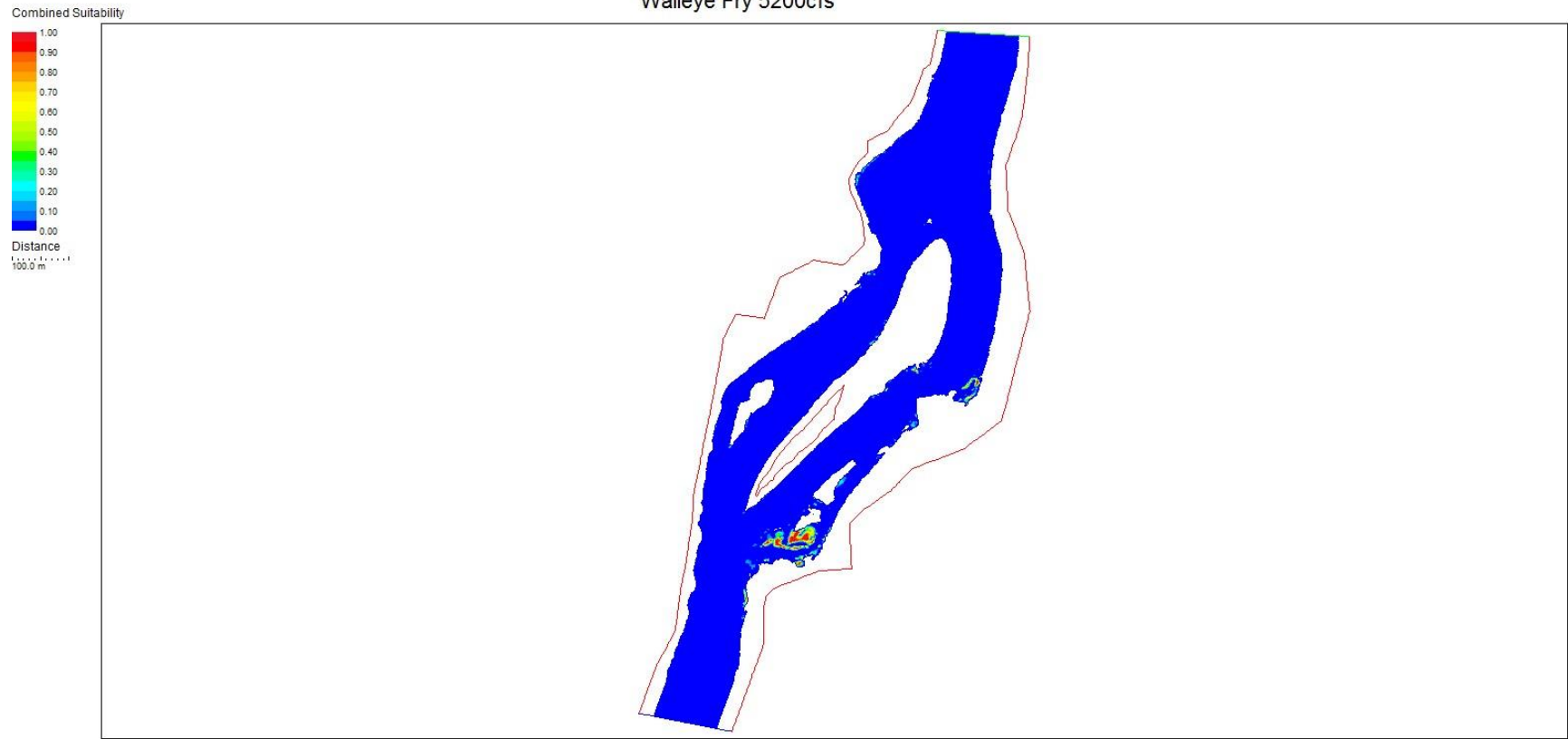




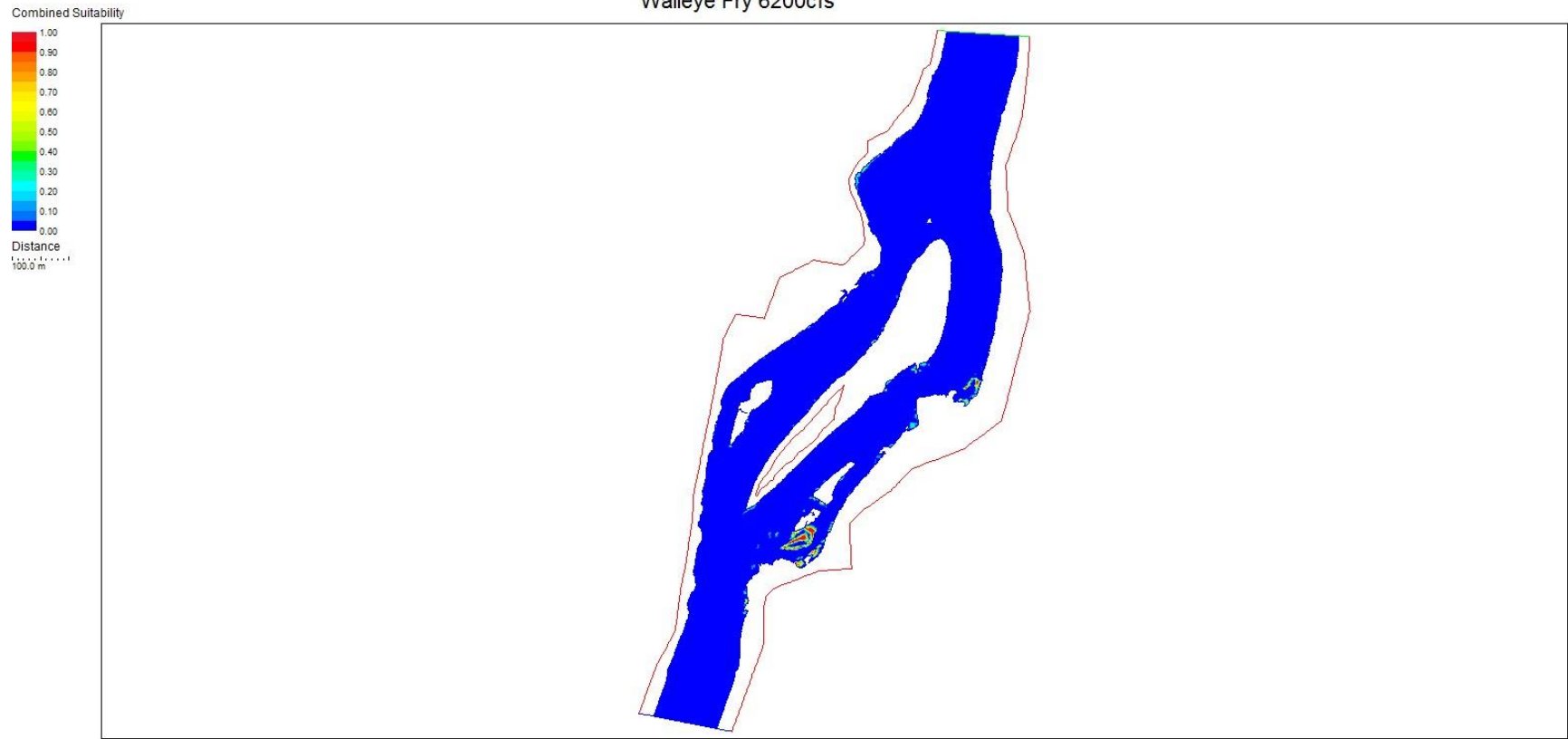
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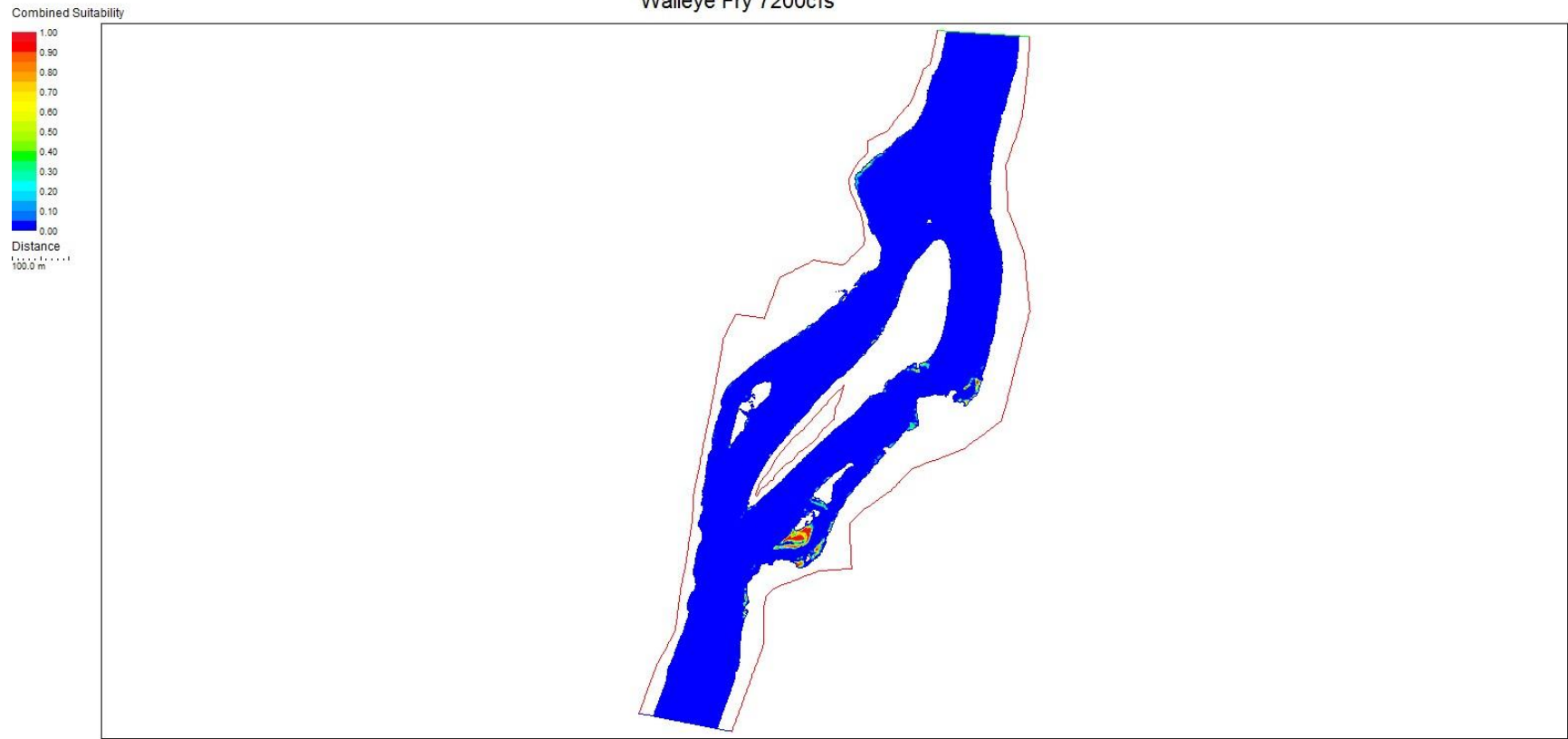
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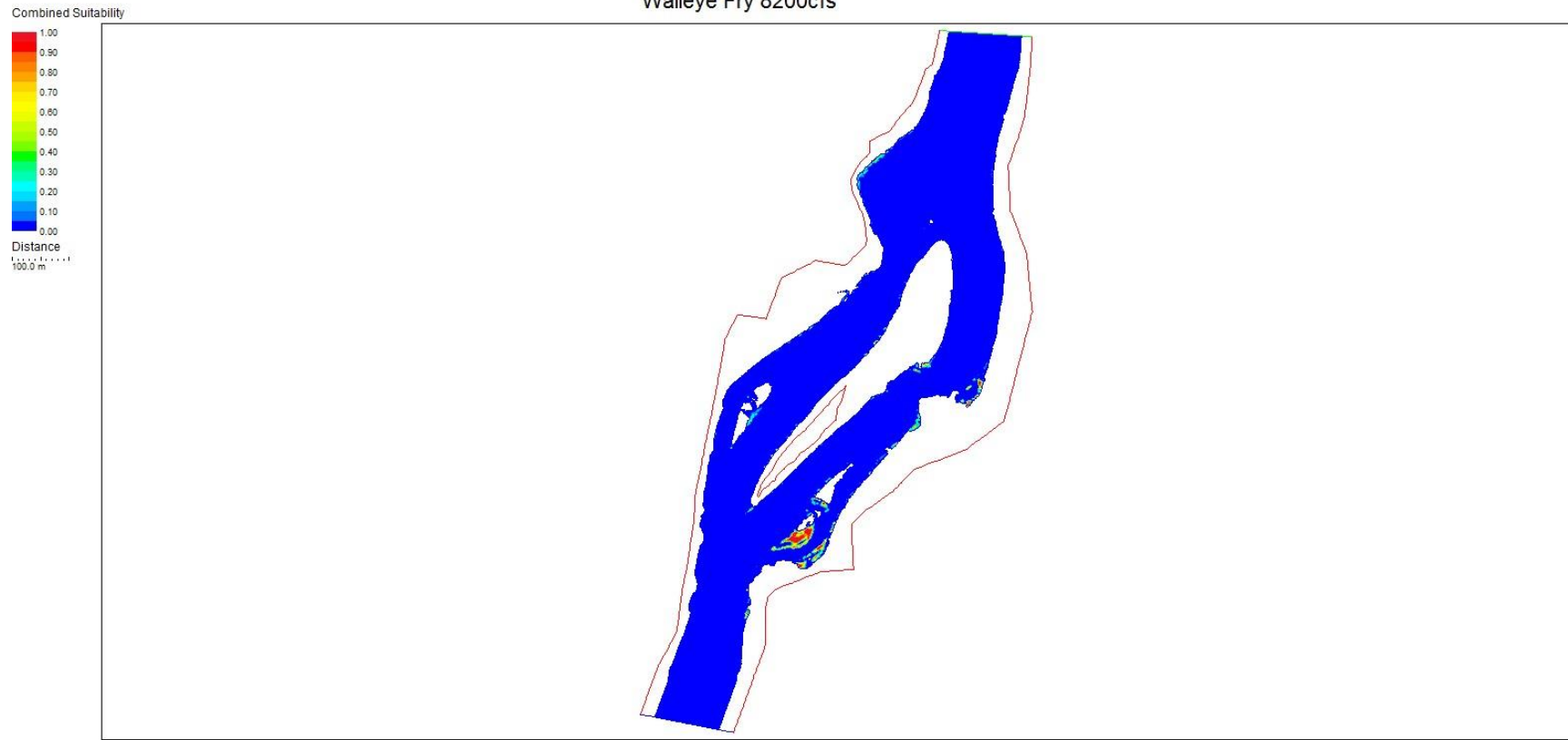
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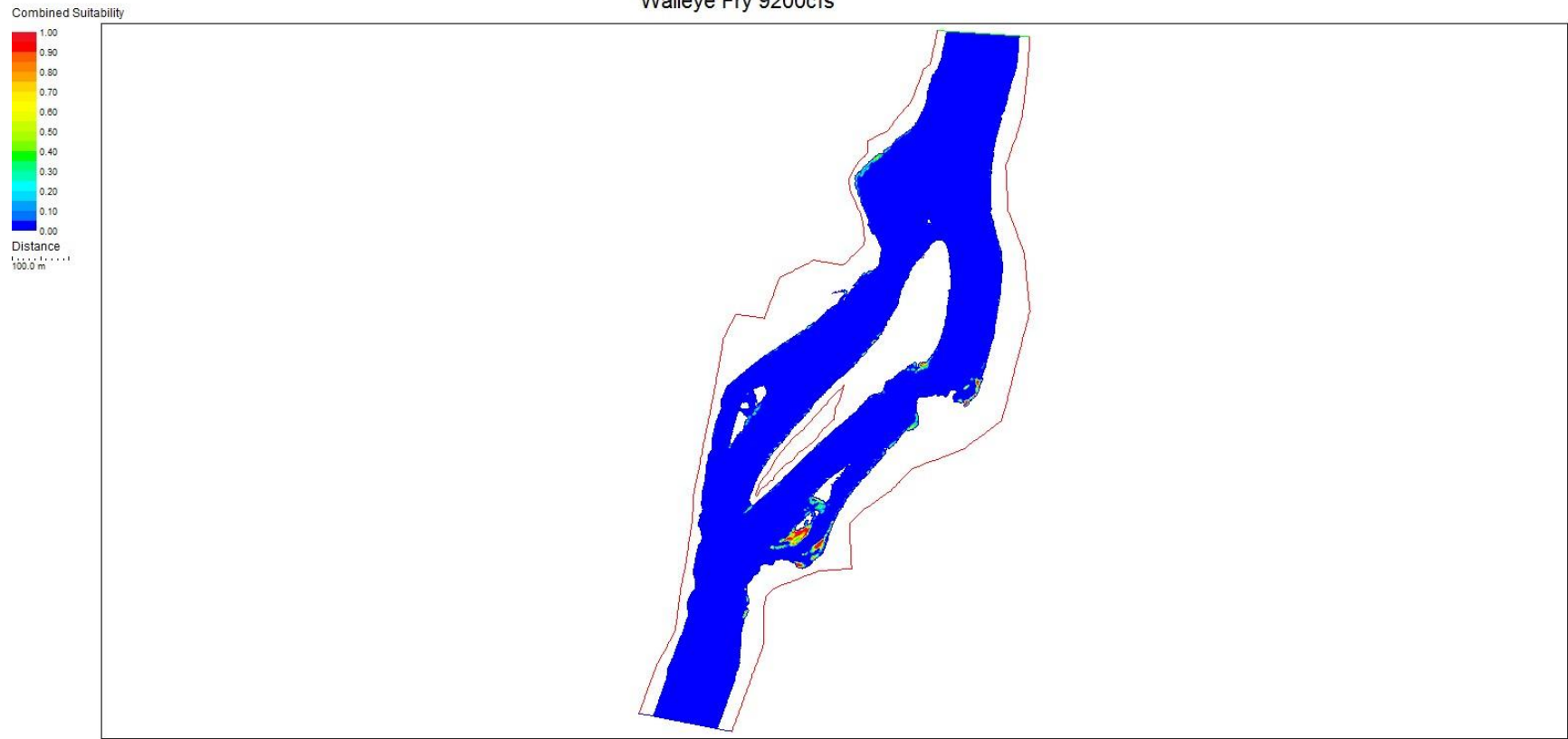
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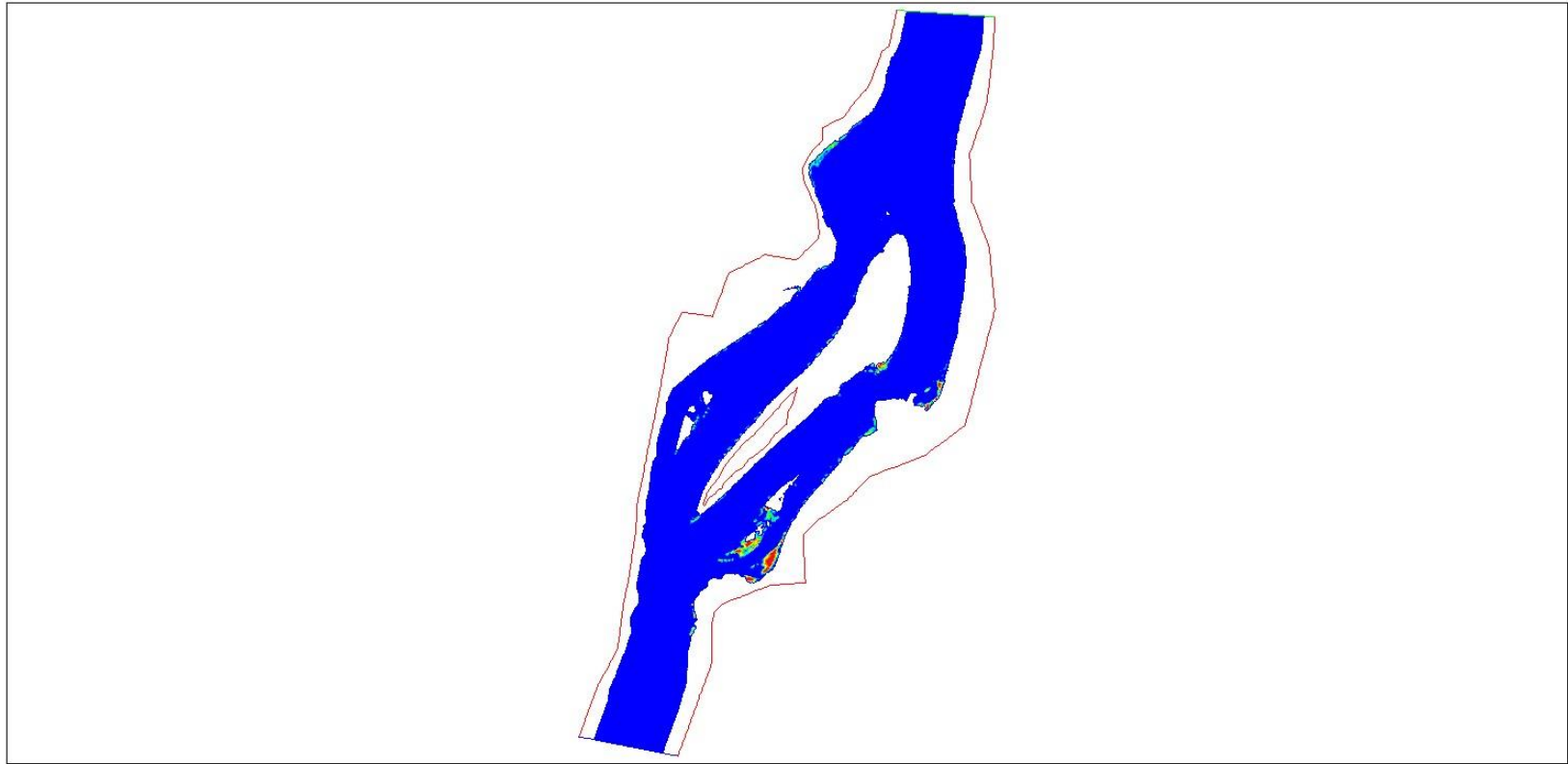
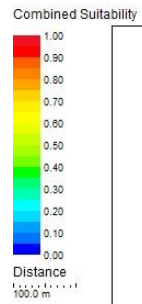
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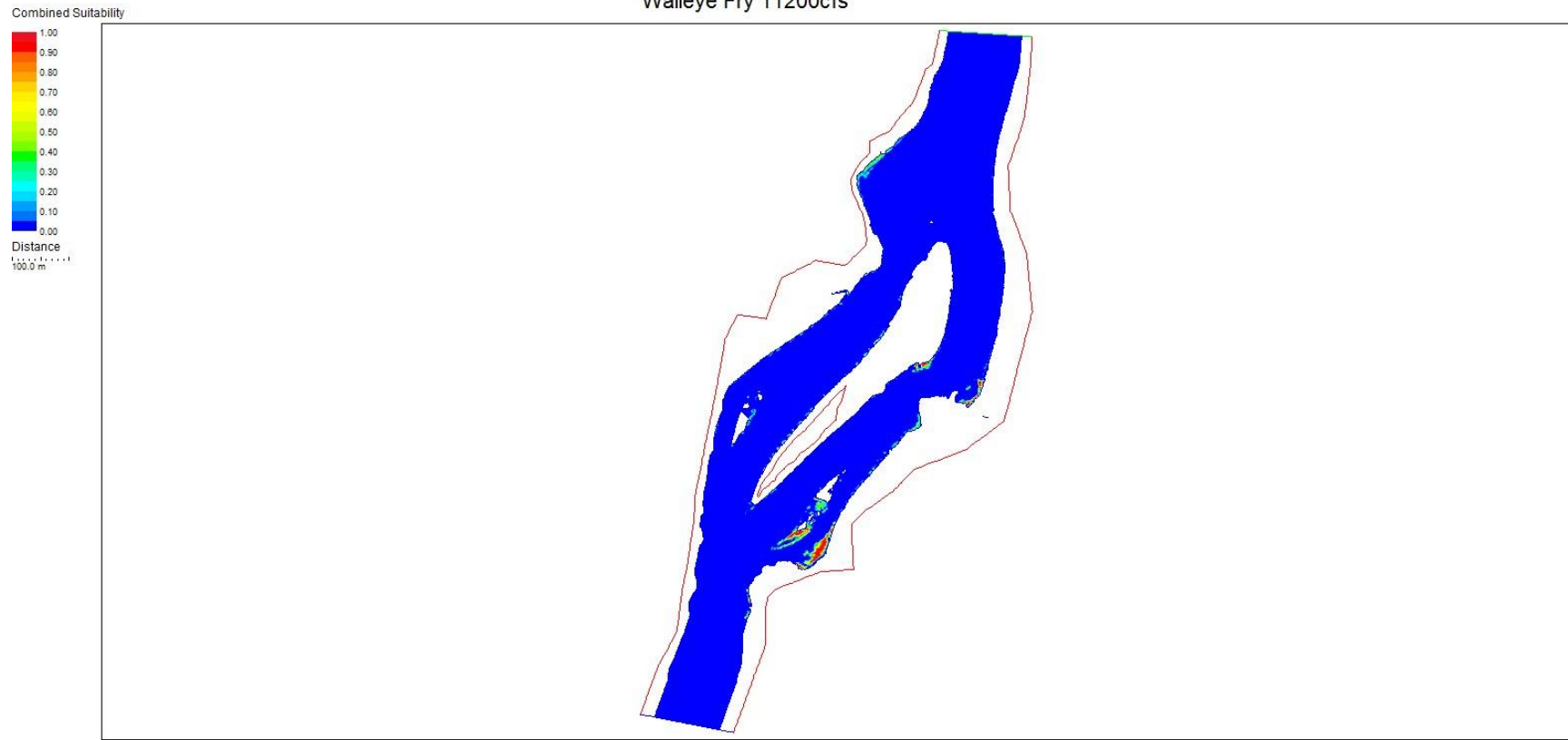
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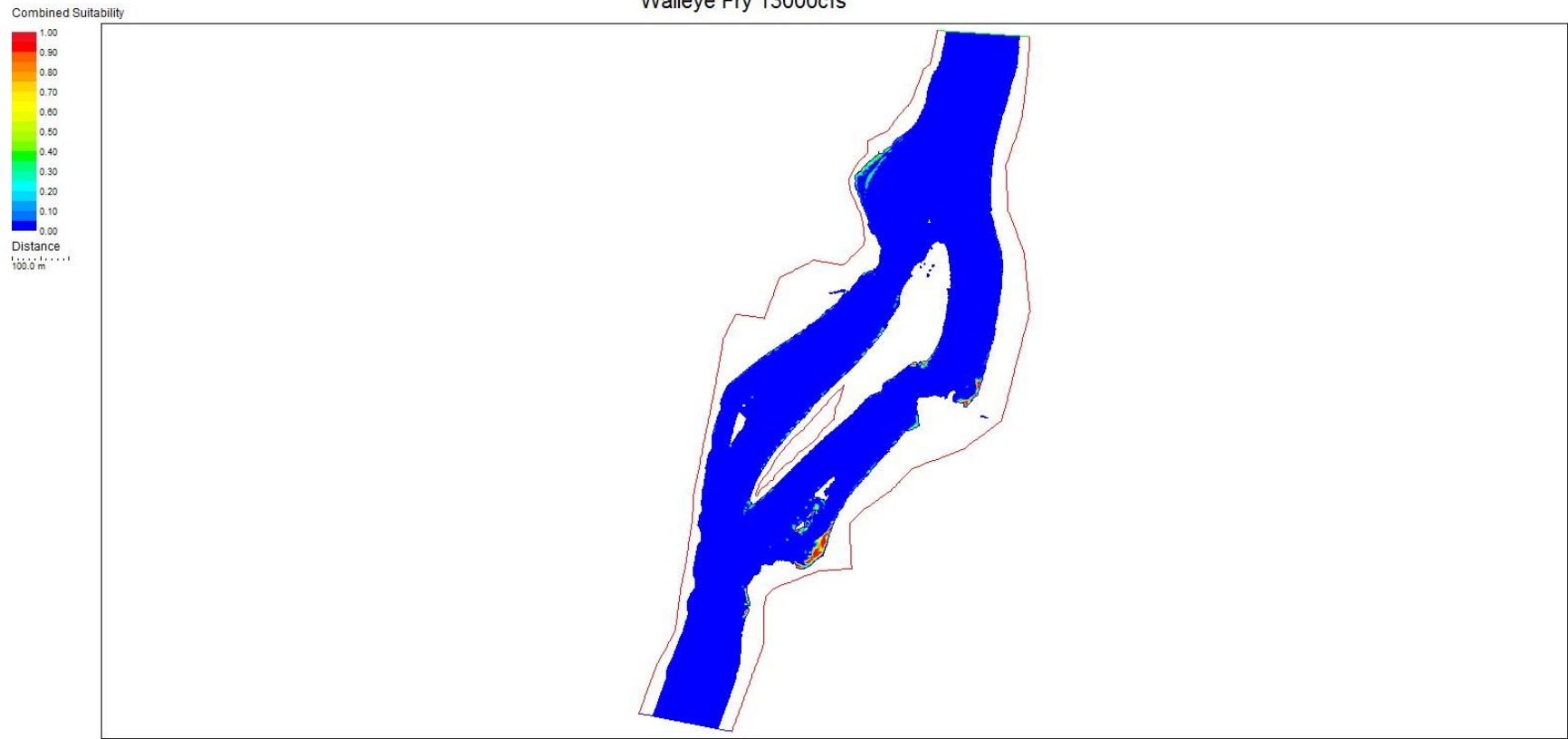
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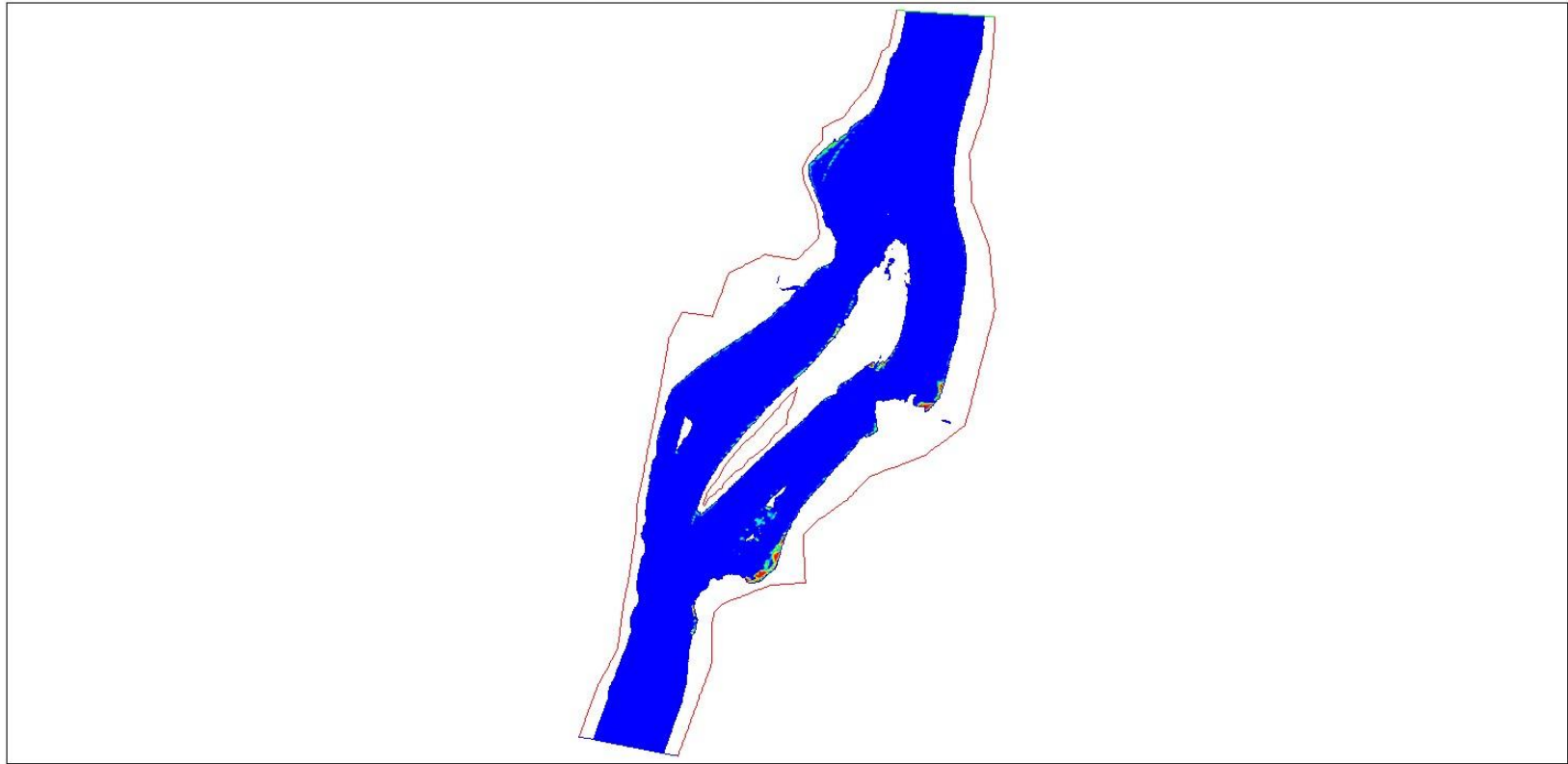
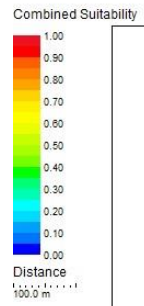
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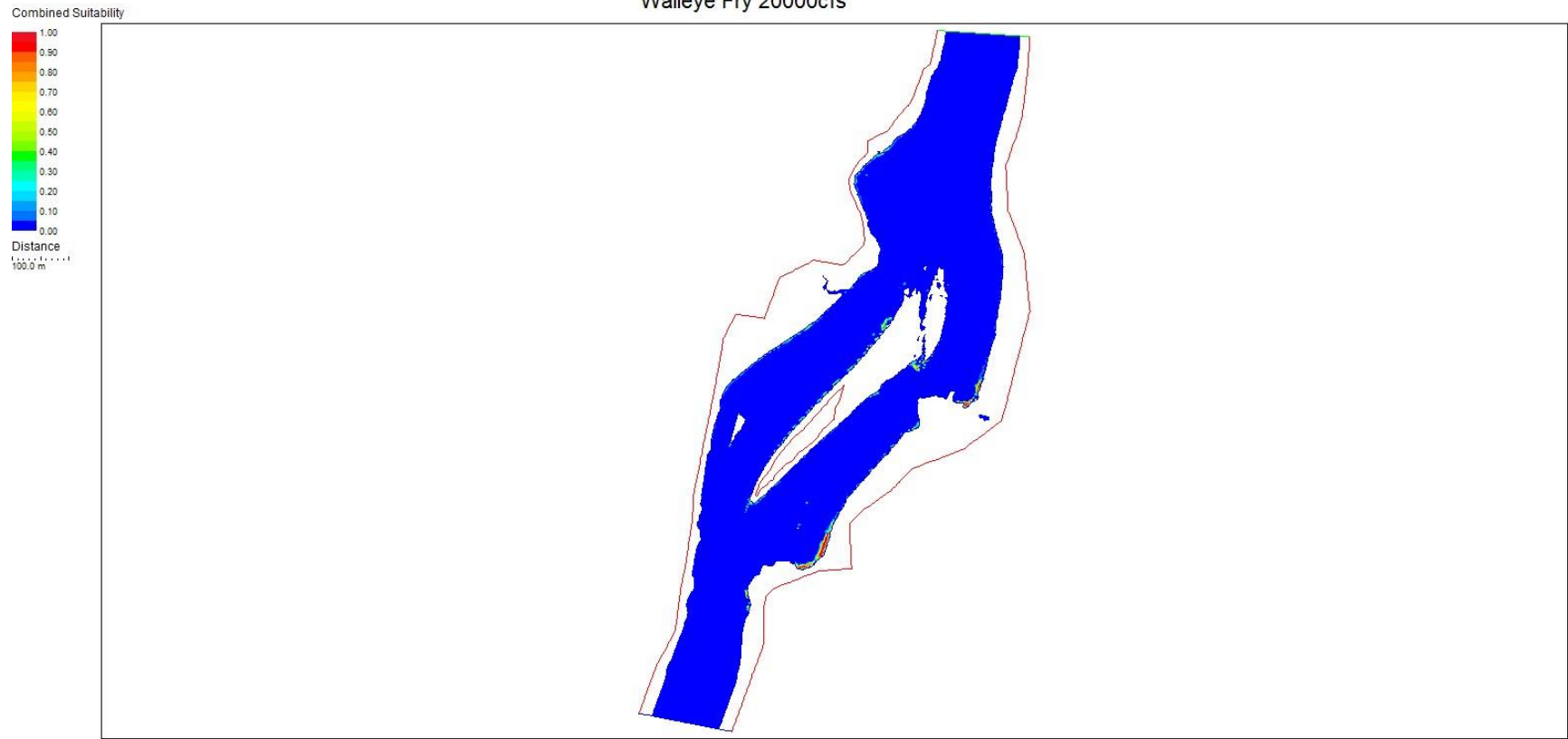
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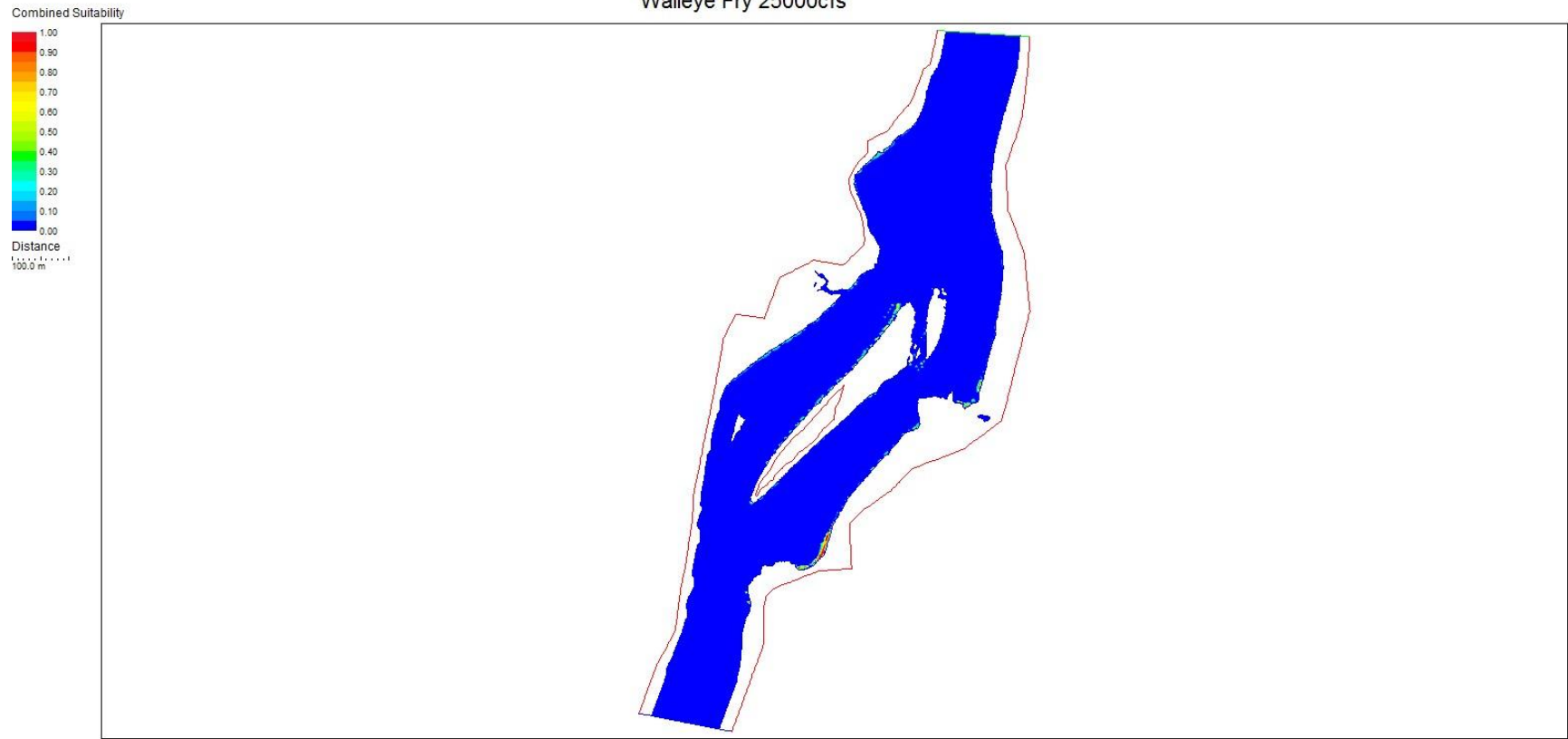
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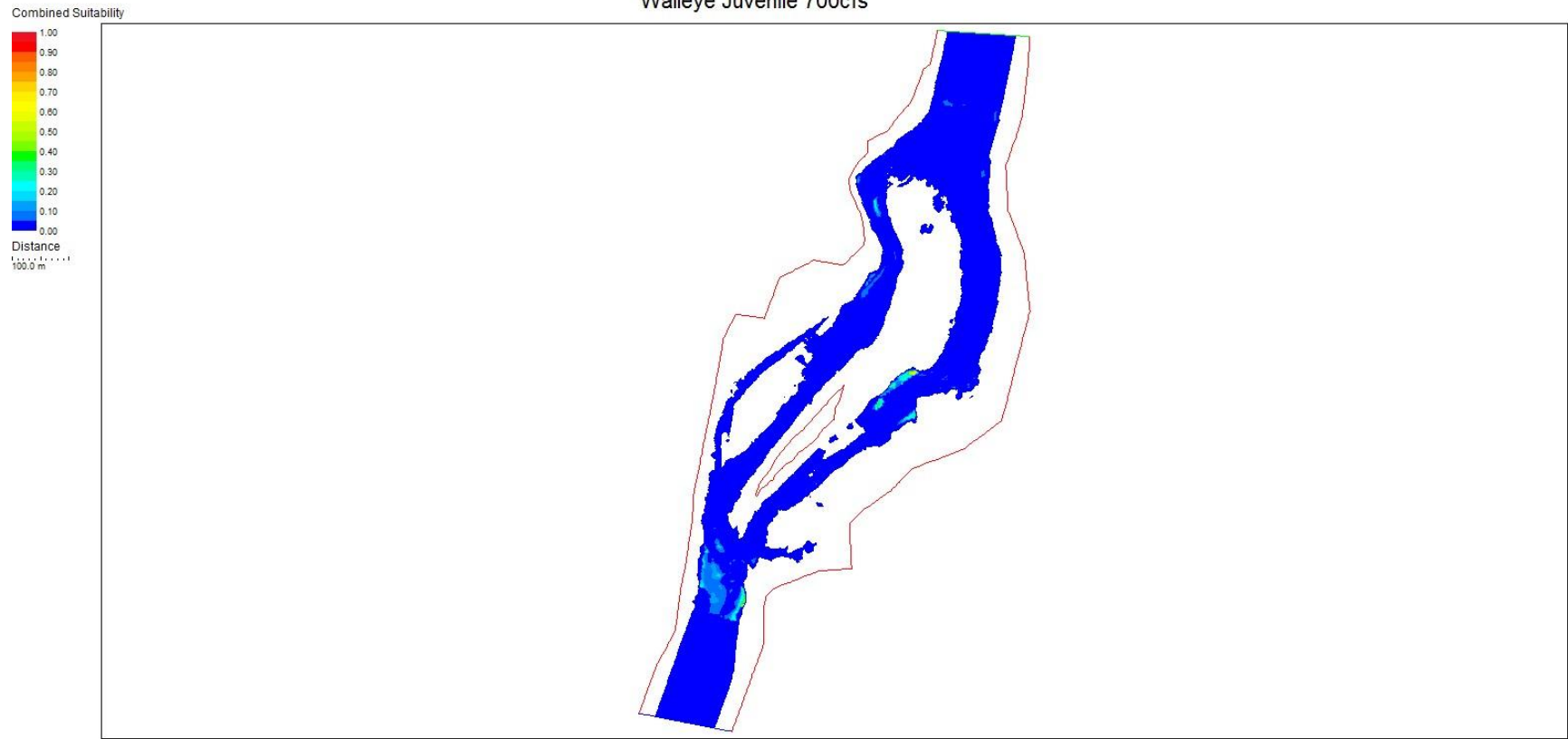
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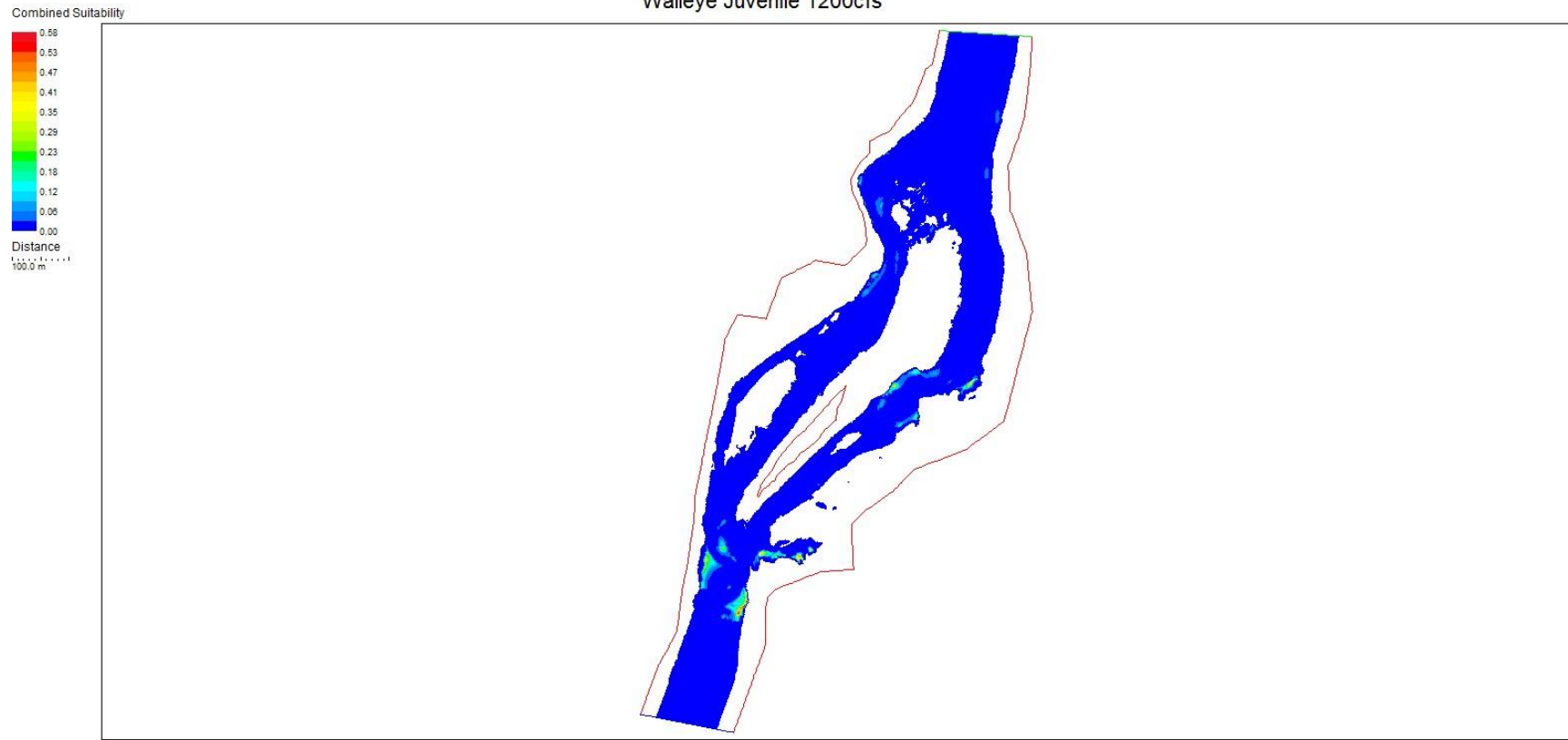
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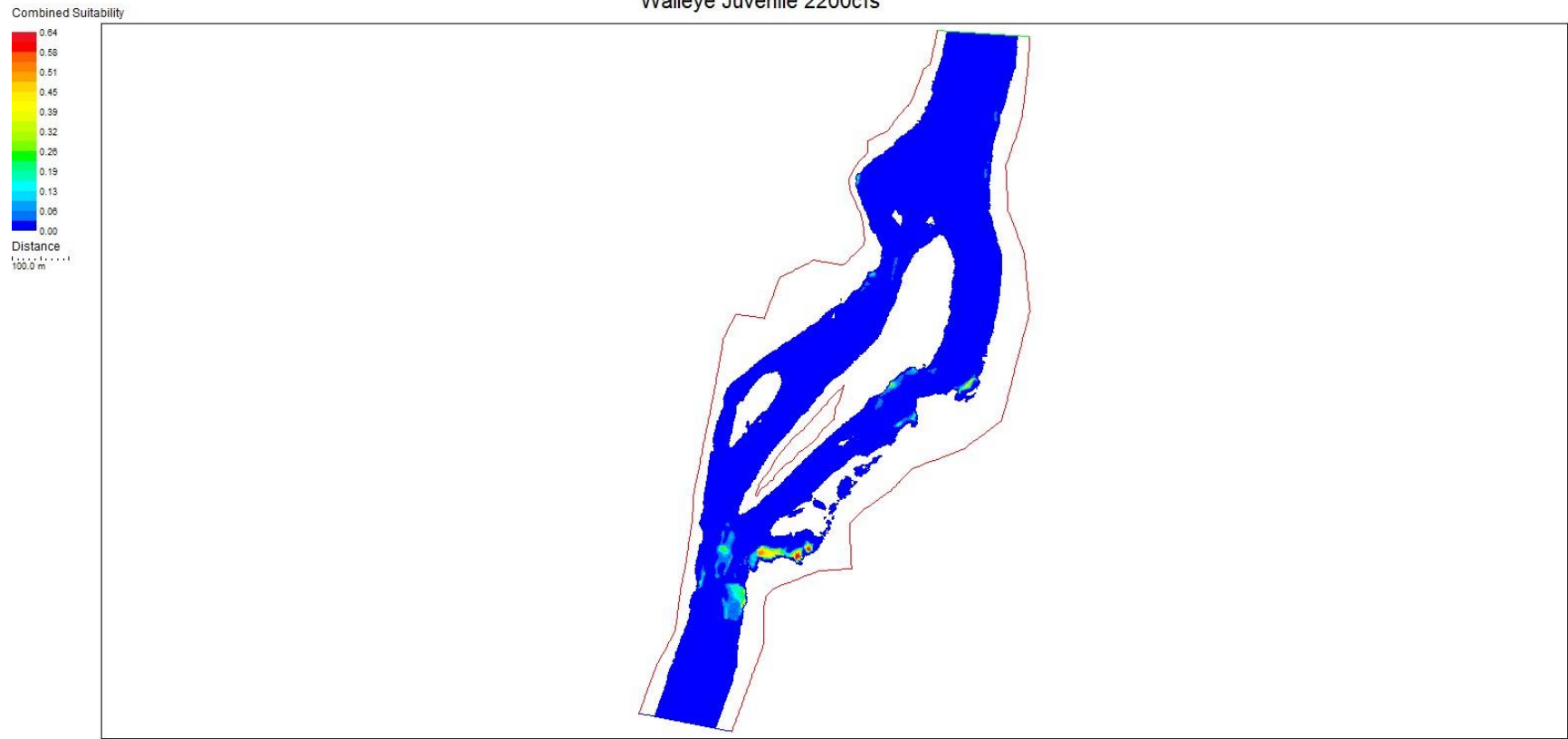
Walleye Juvenile 700cfs



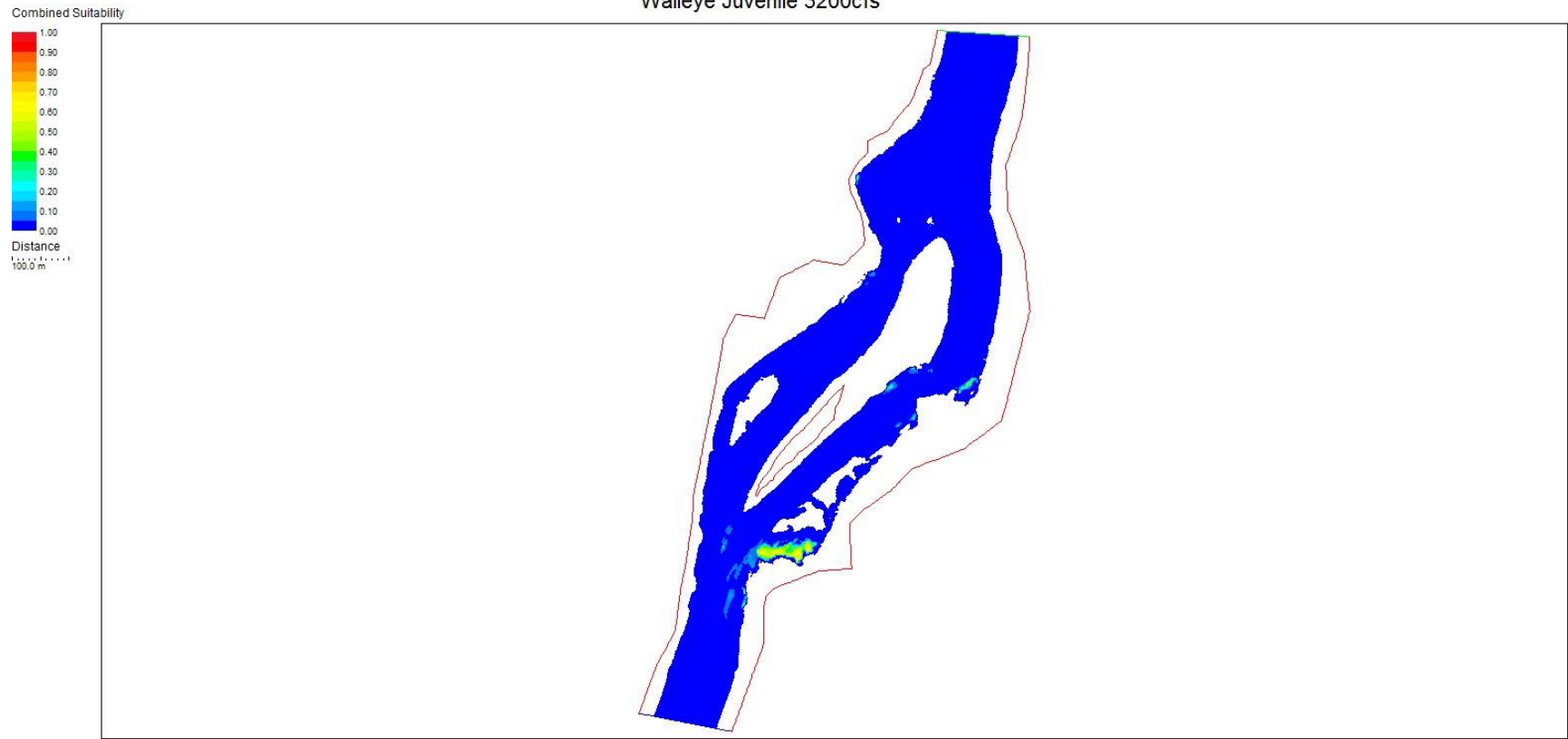
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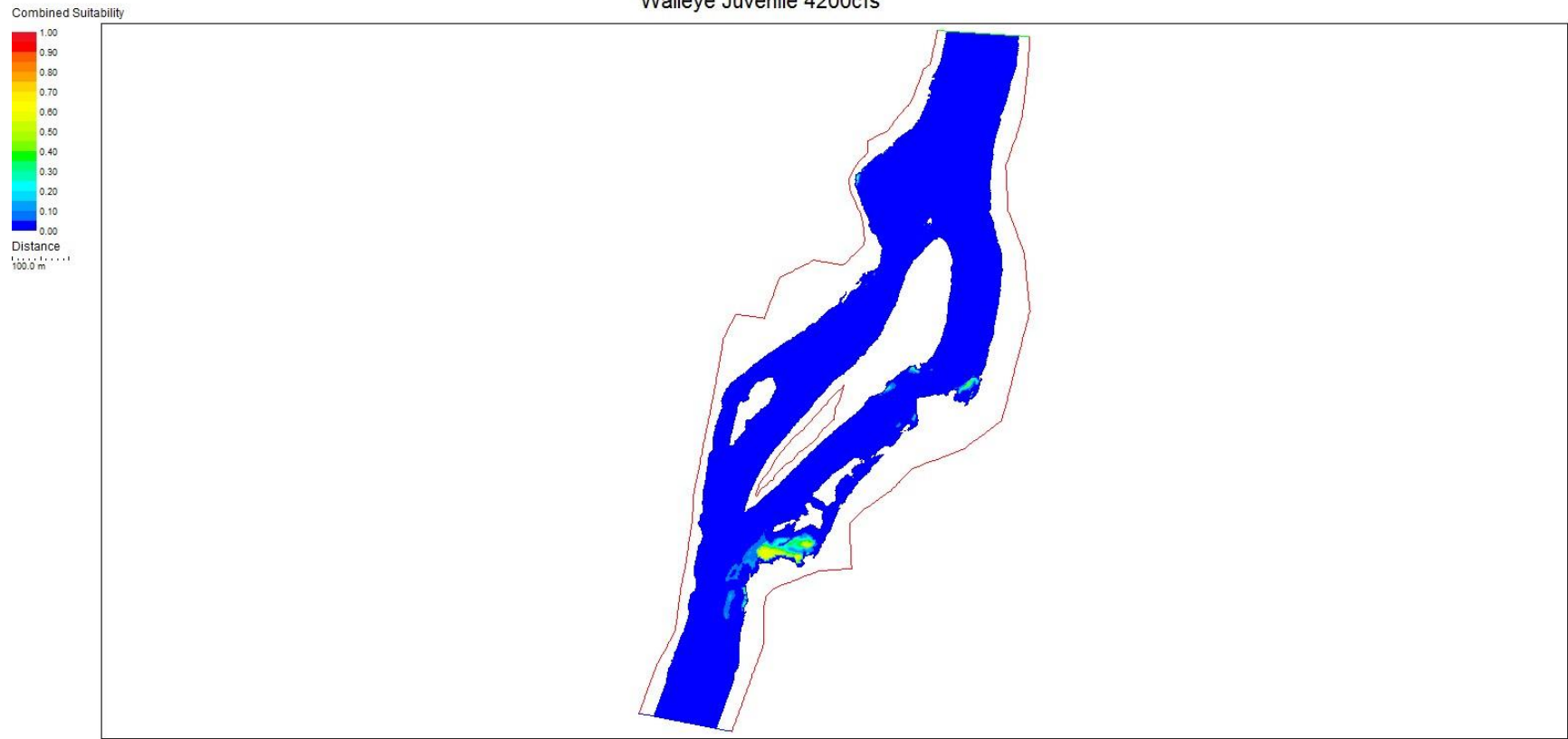
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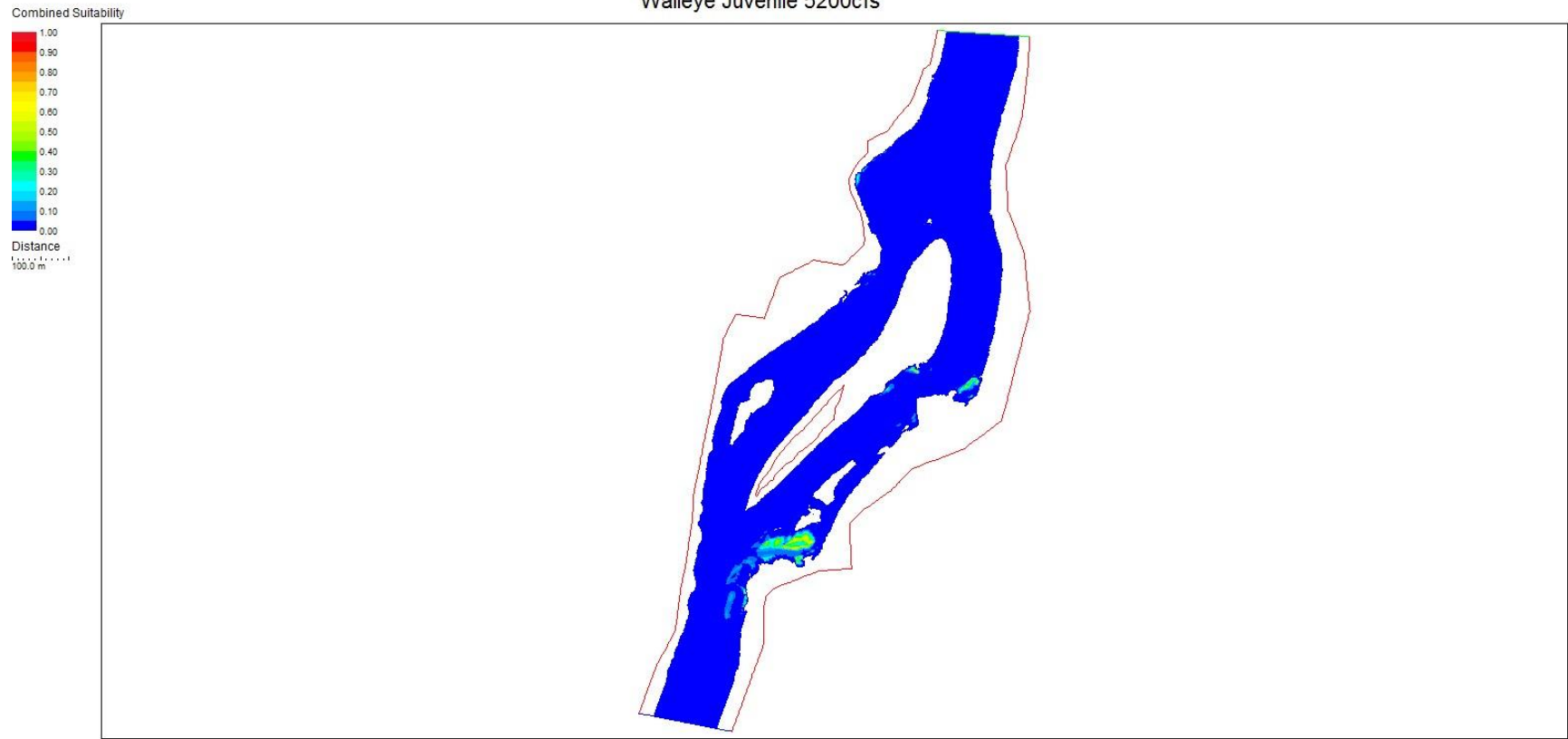
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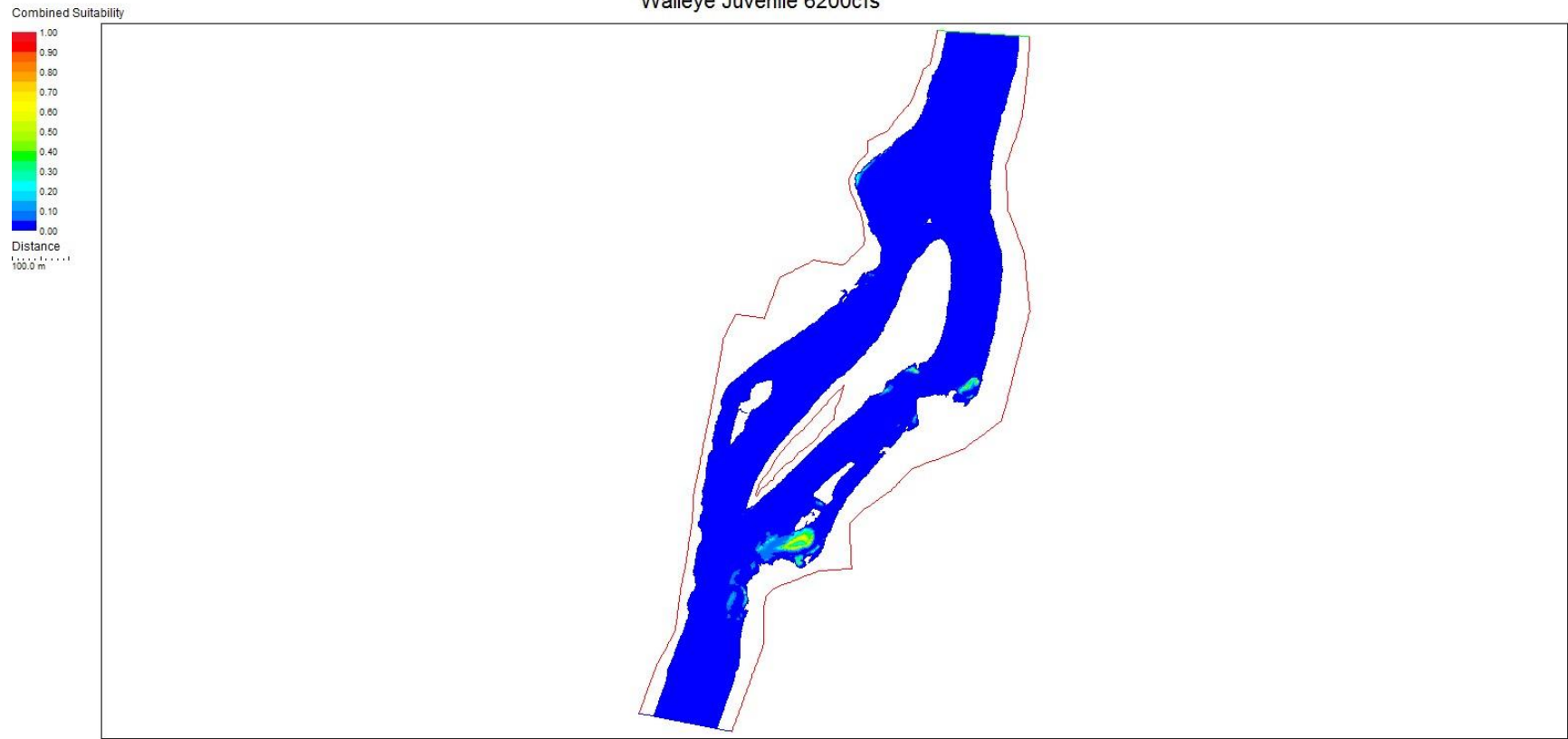
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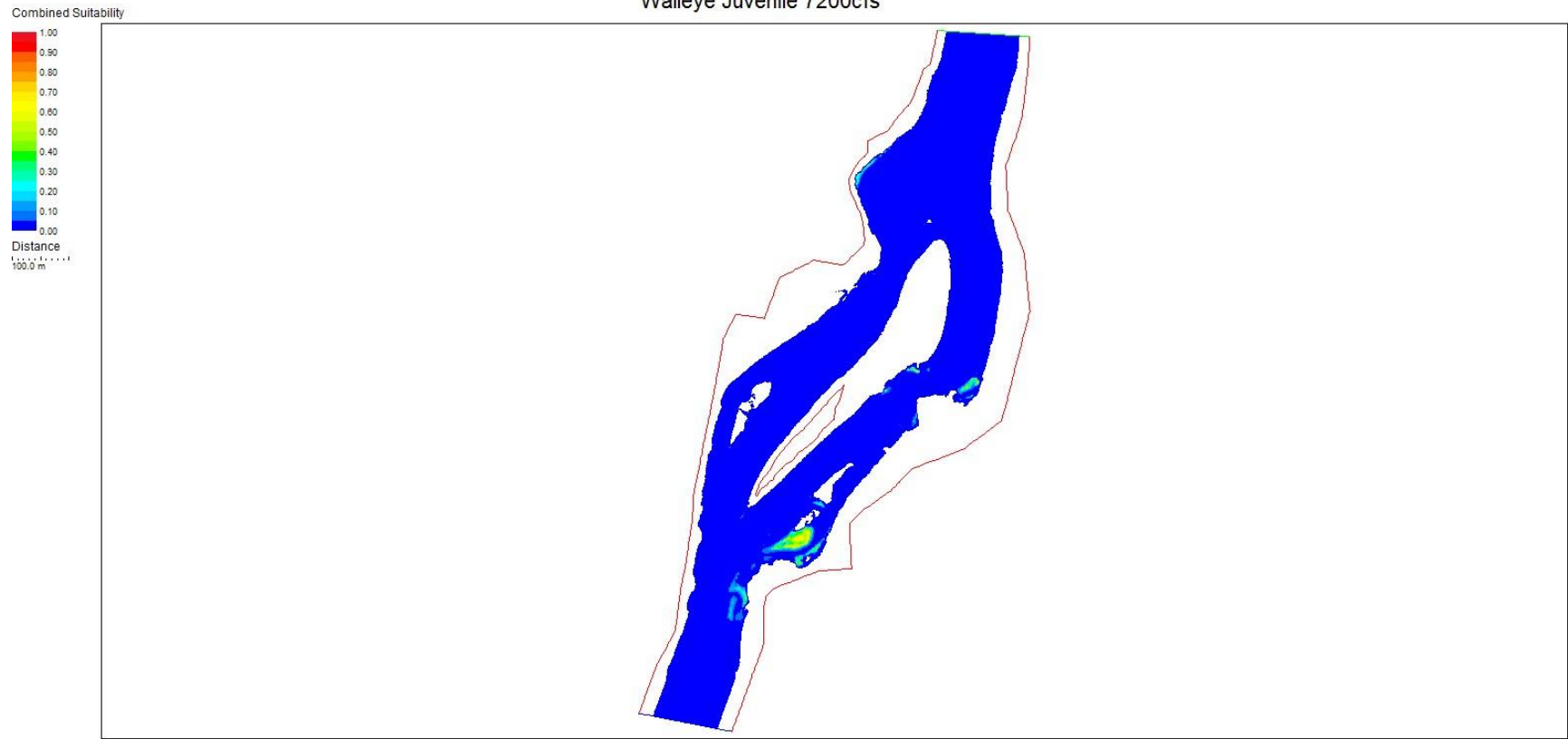
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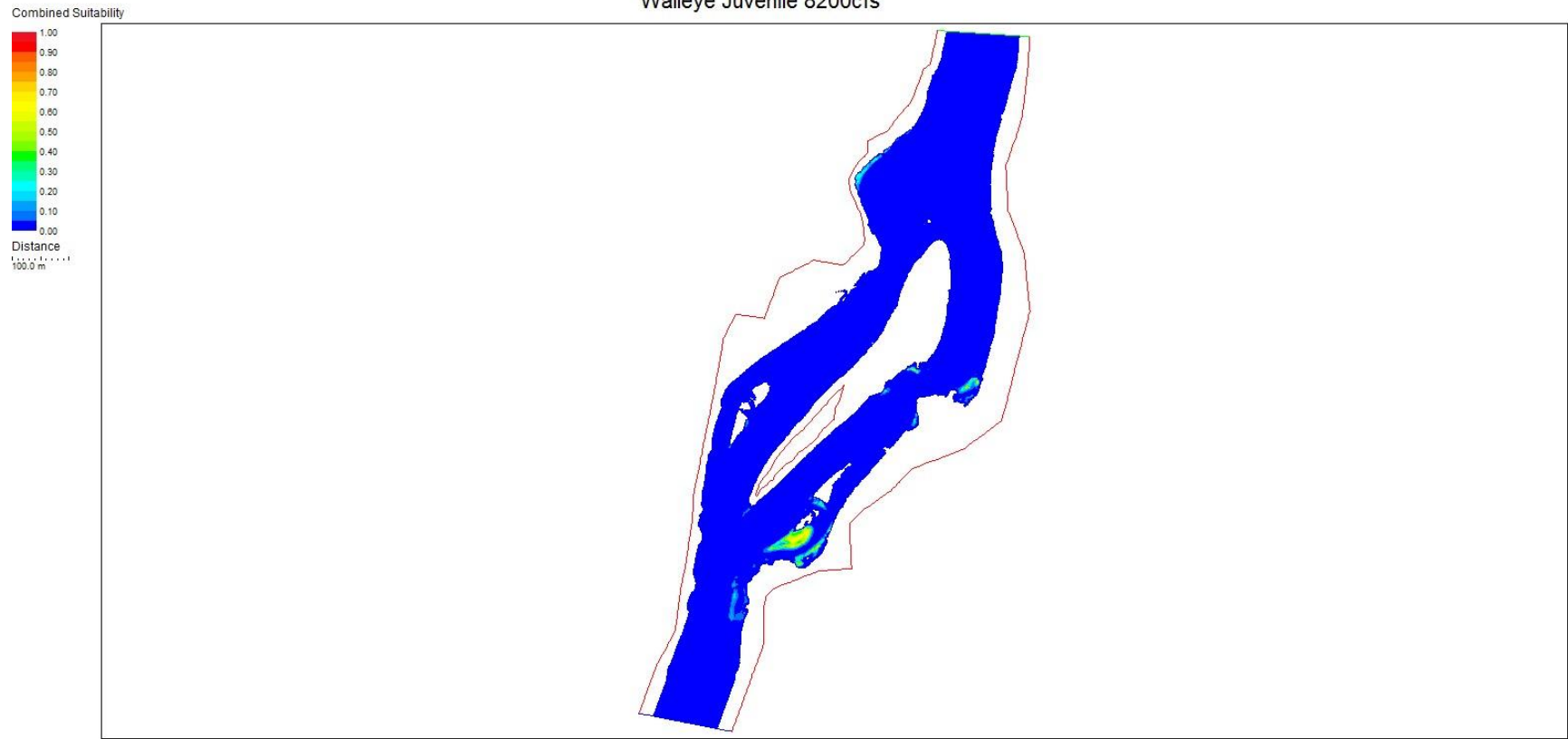
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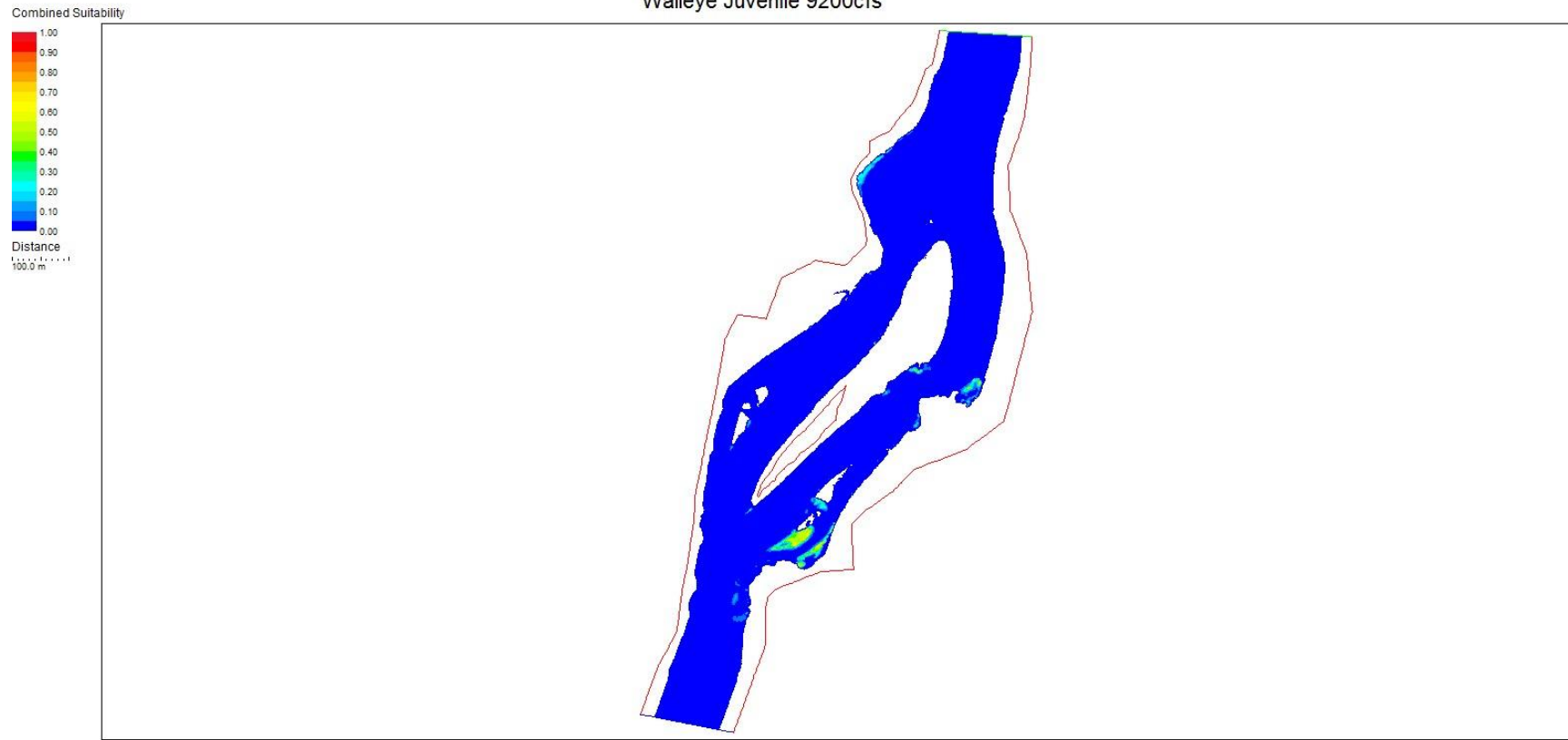
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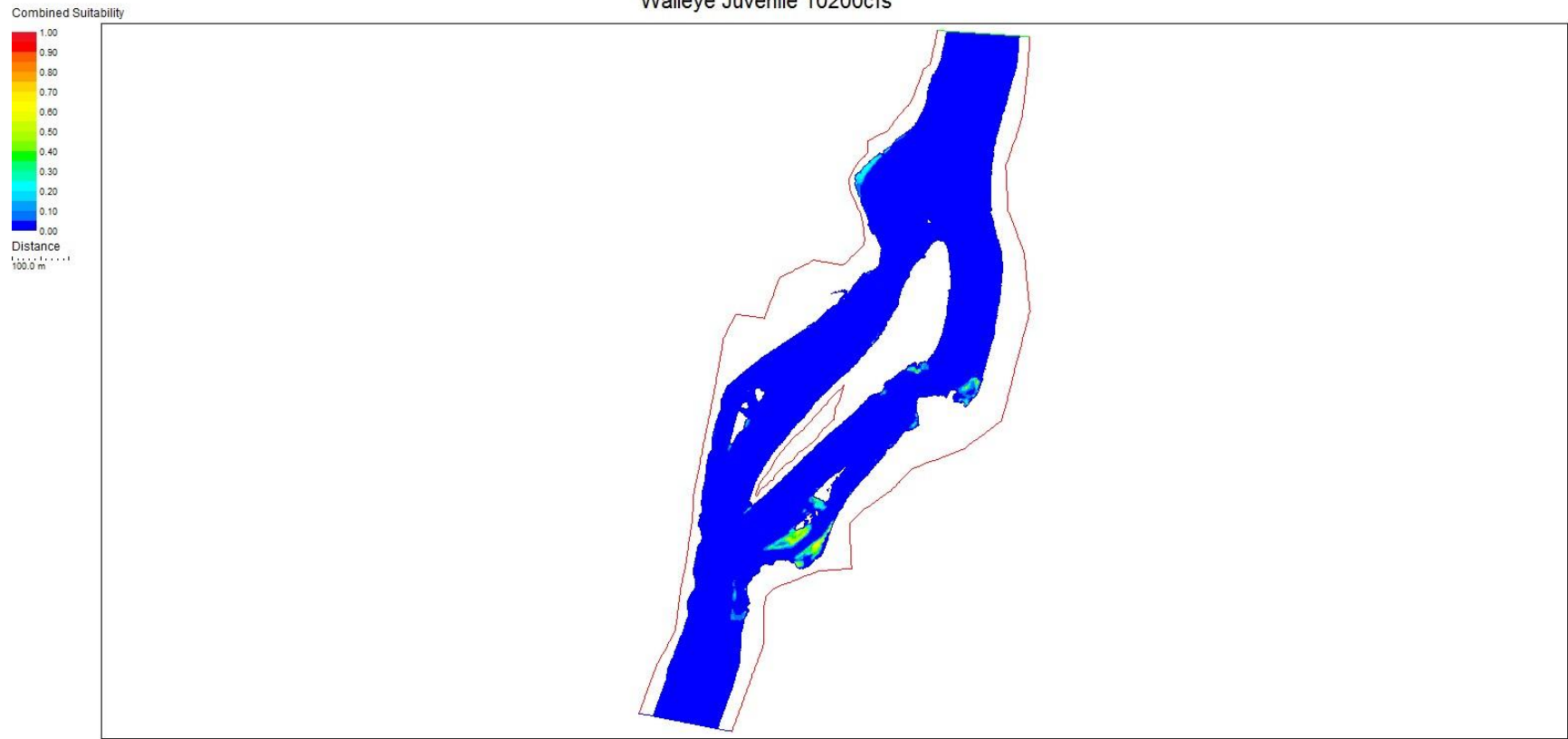
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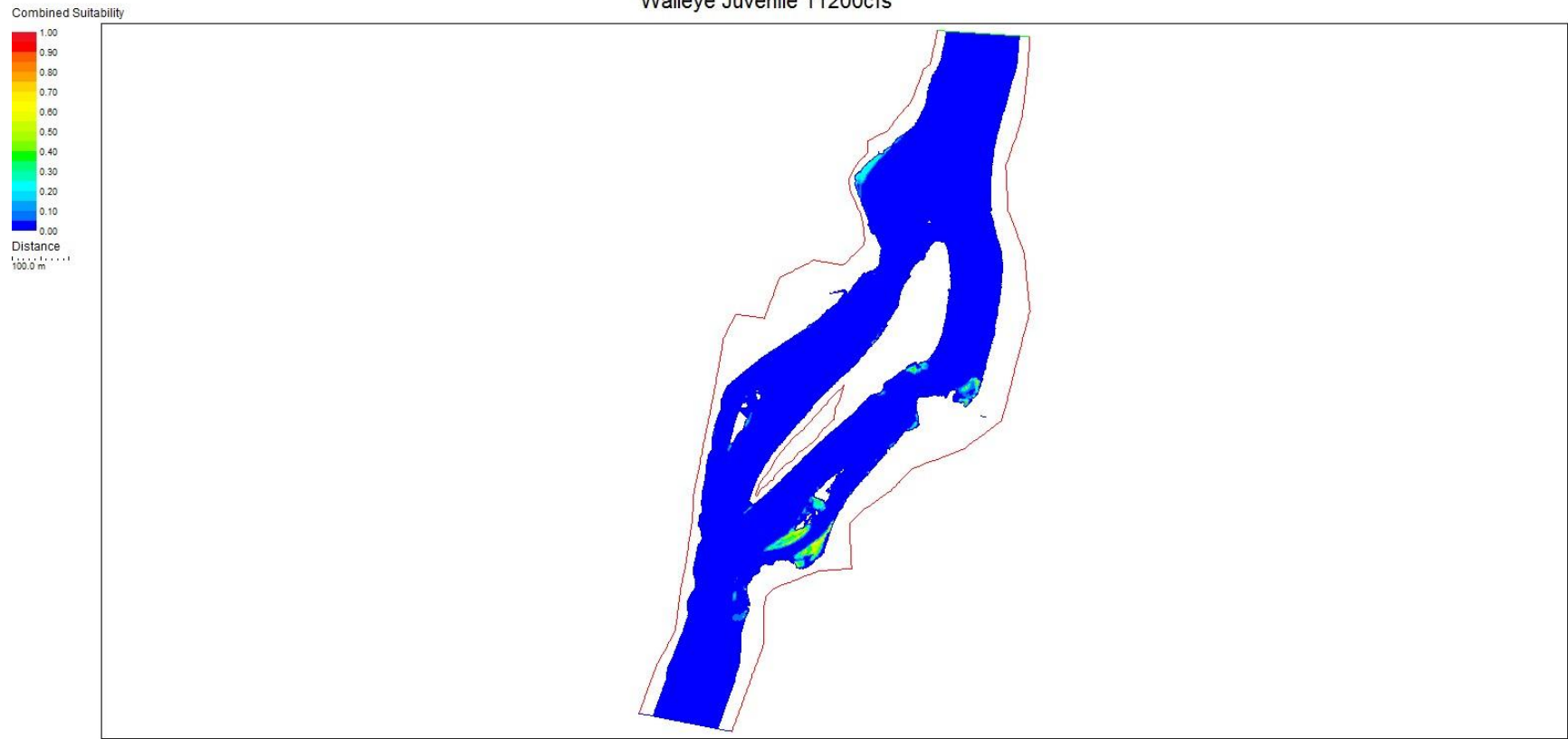
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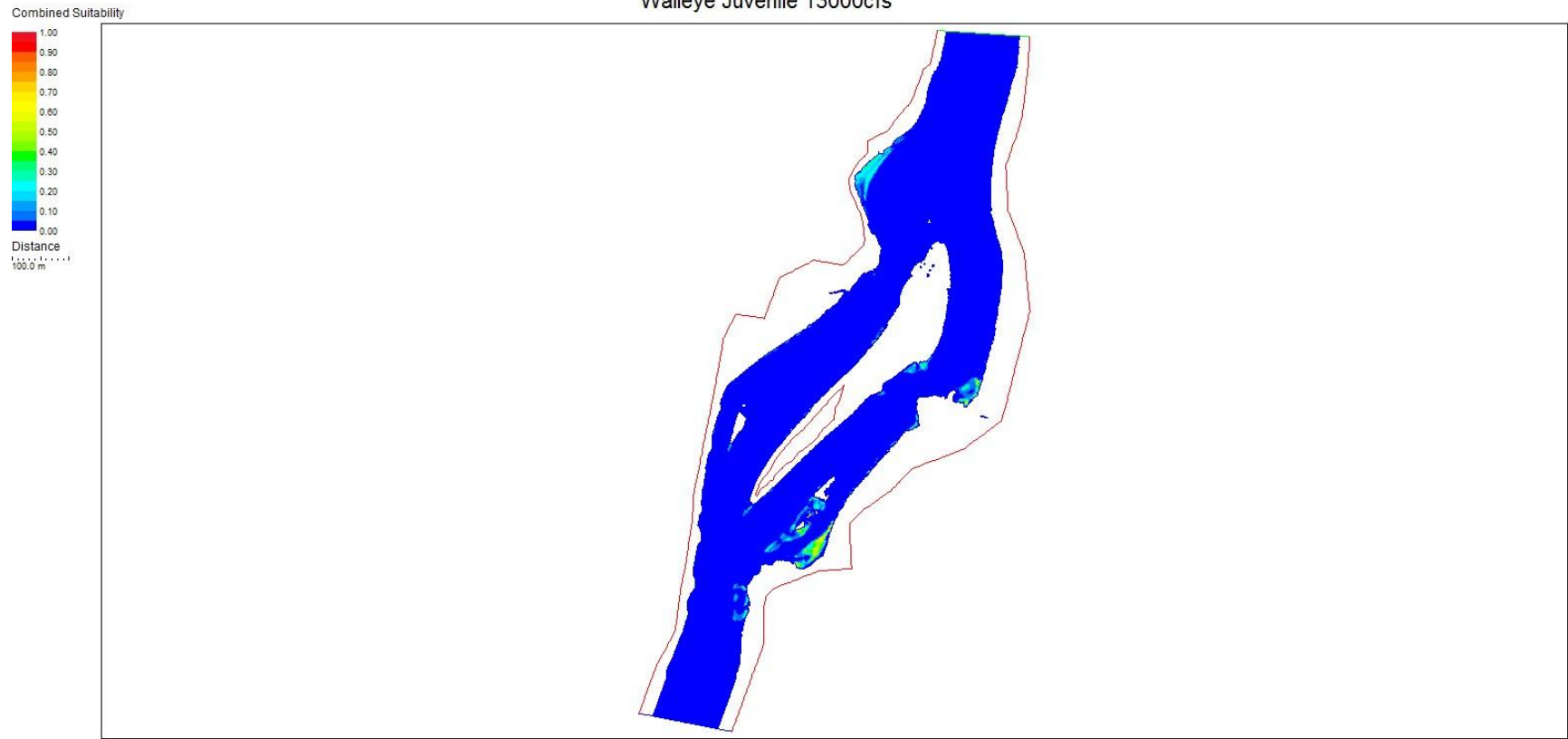
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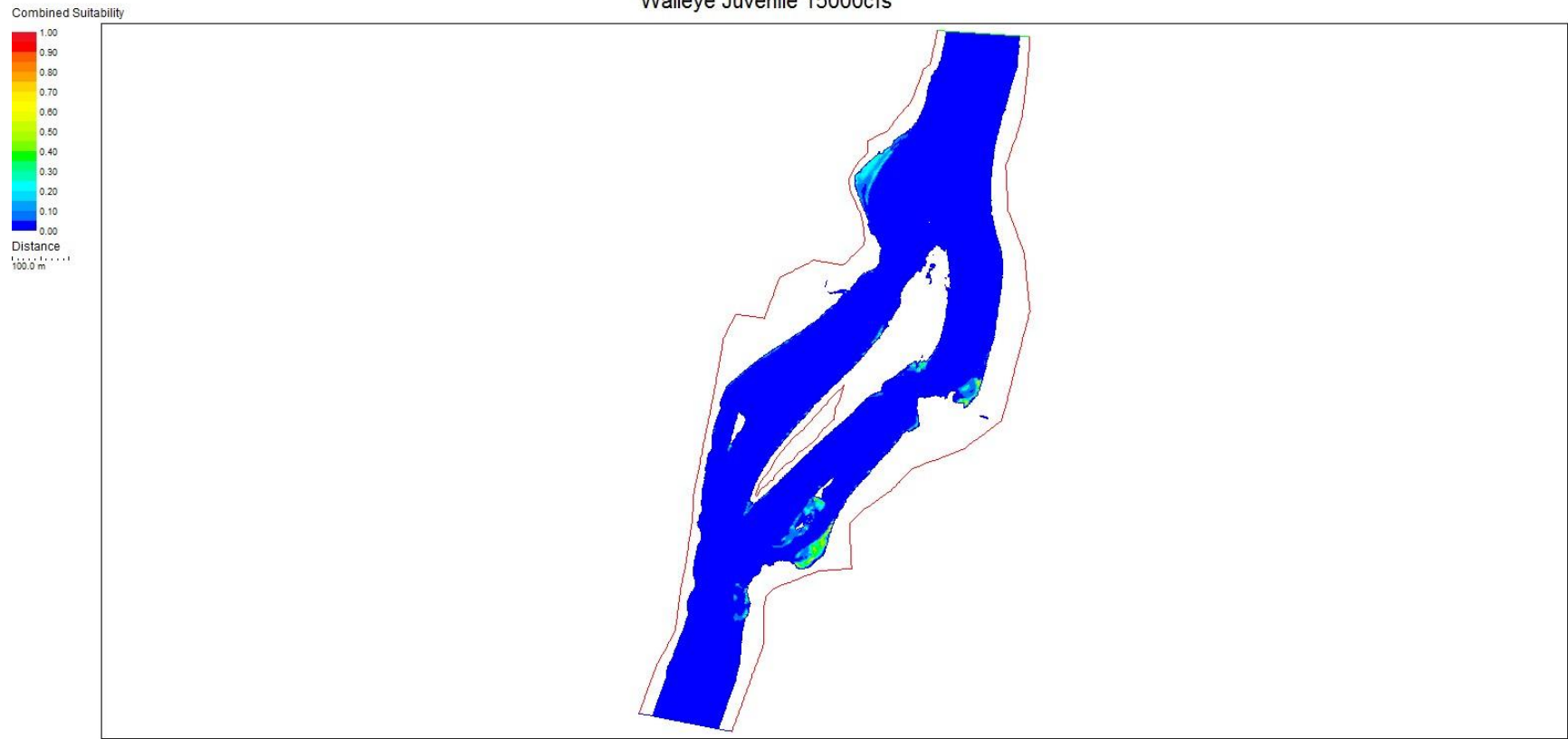
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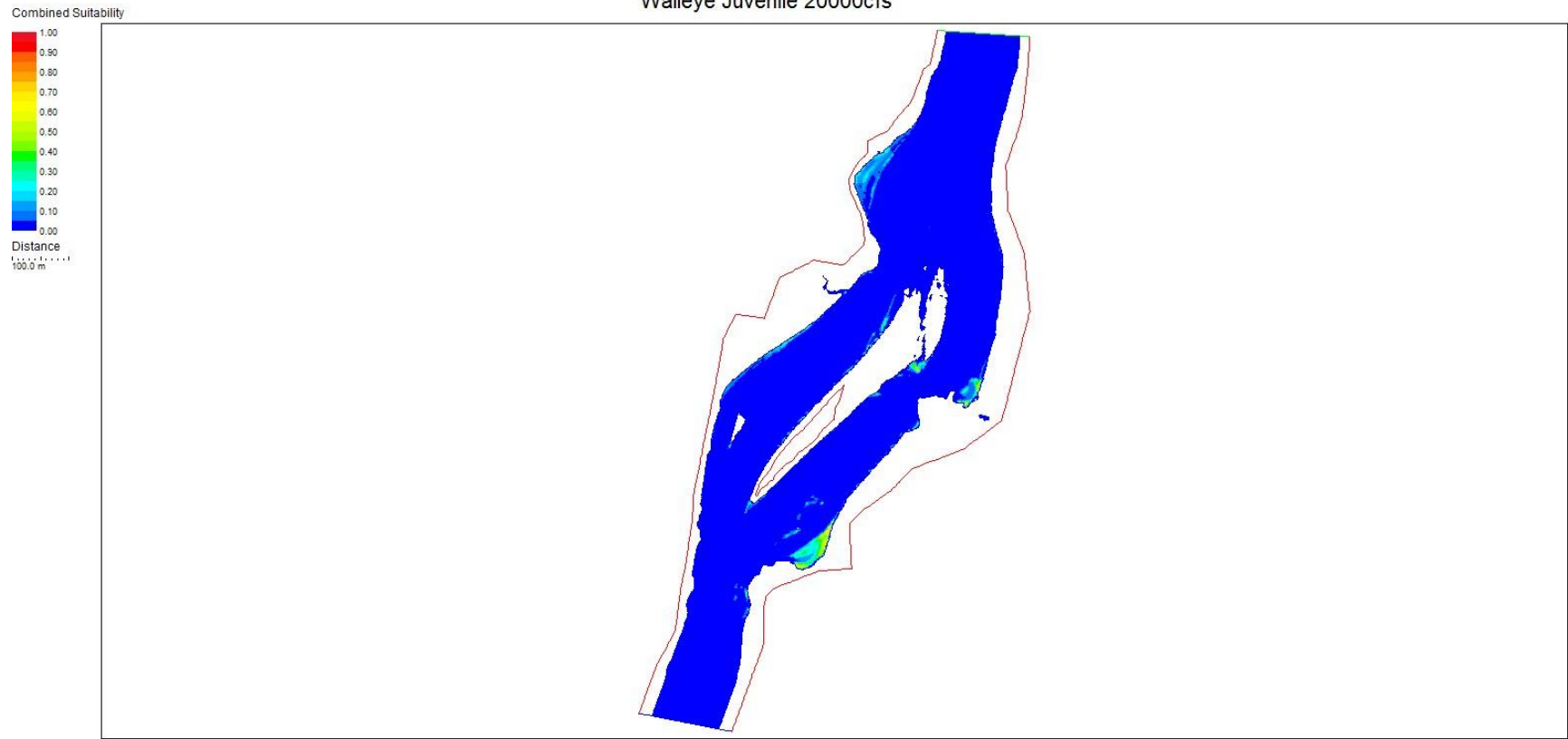
Walleye Juvenile 13000cfs



Walleye Juvenile 15000cfs

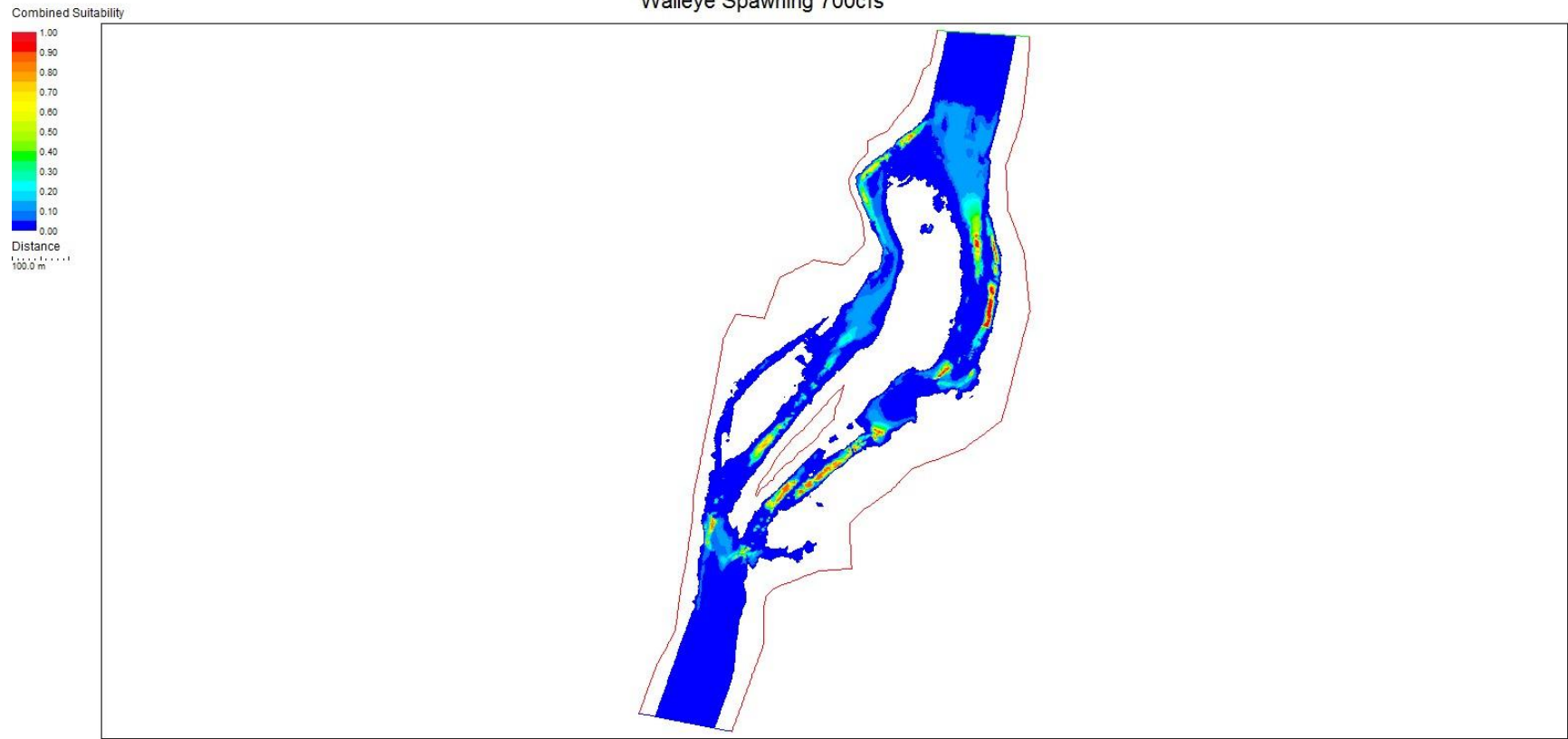


Walleye Juvenile 20000cfs

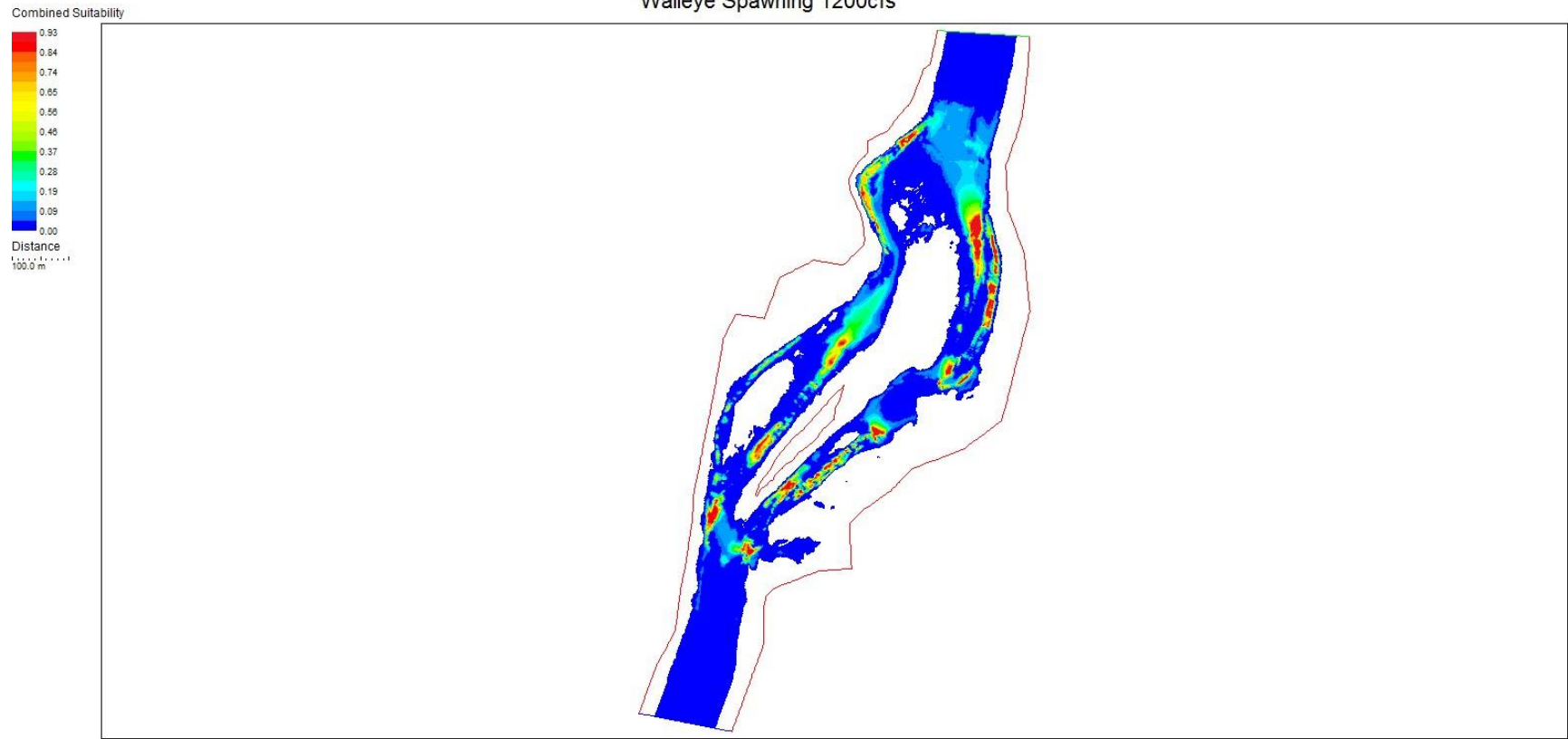




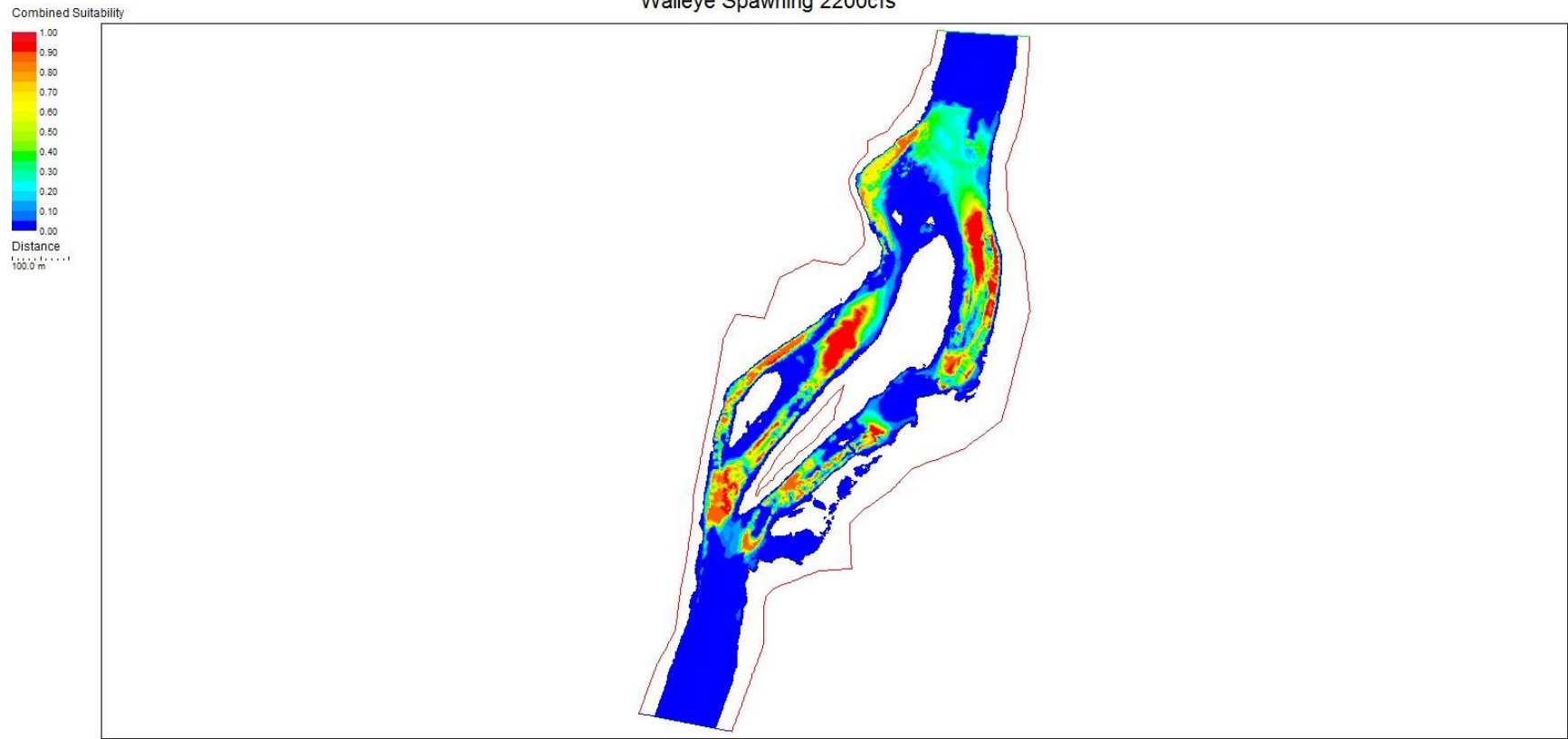
Walleye Spawning 700cfs



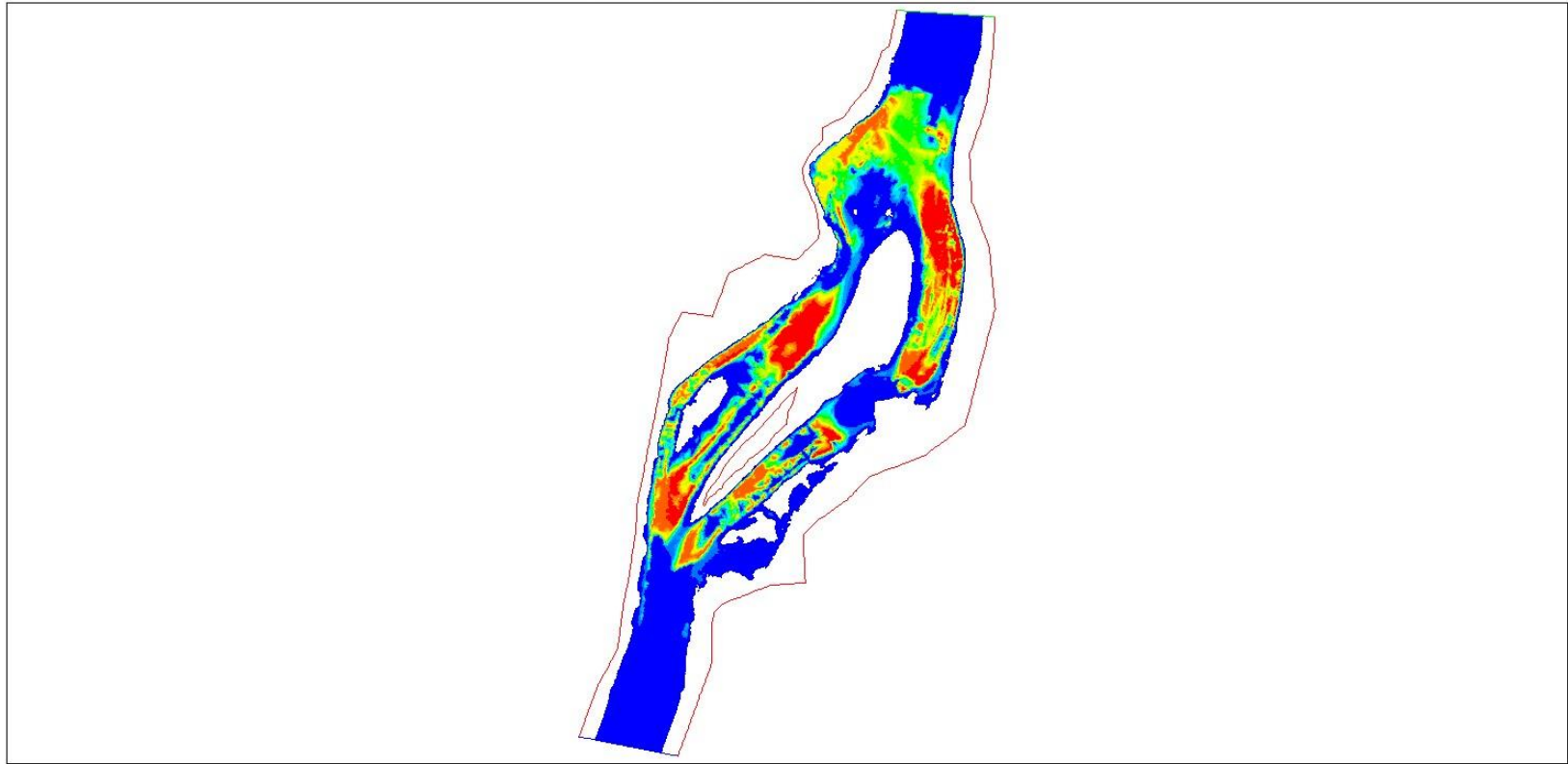
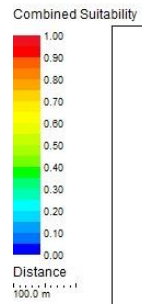
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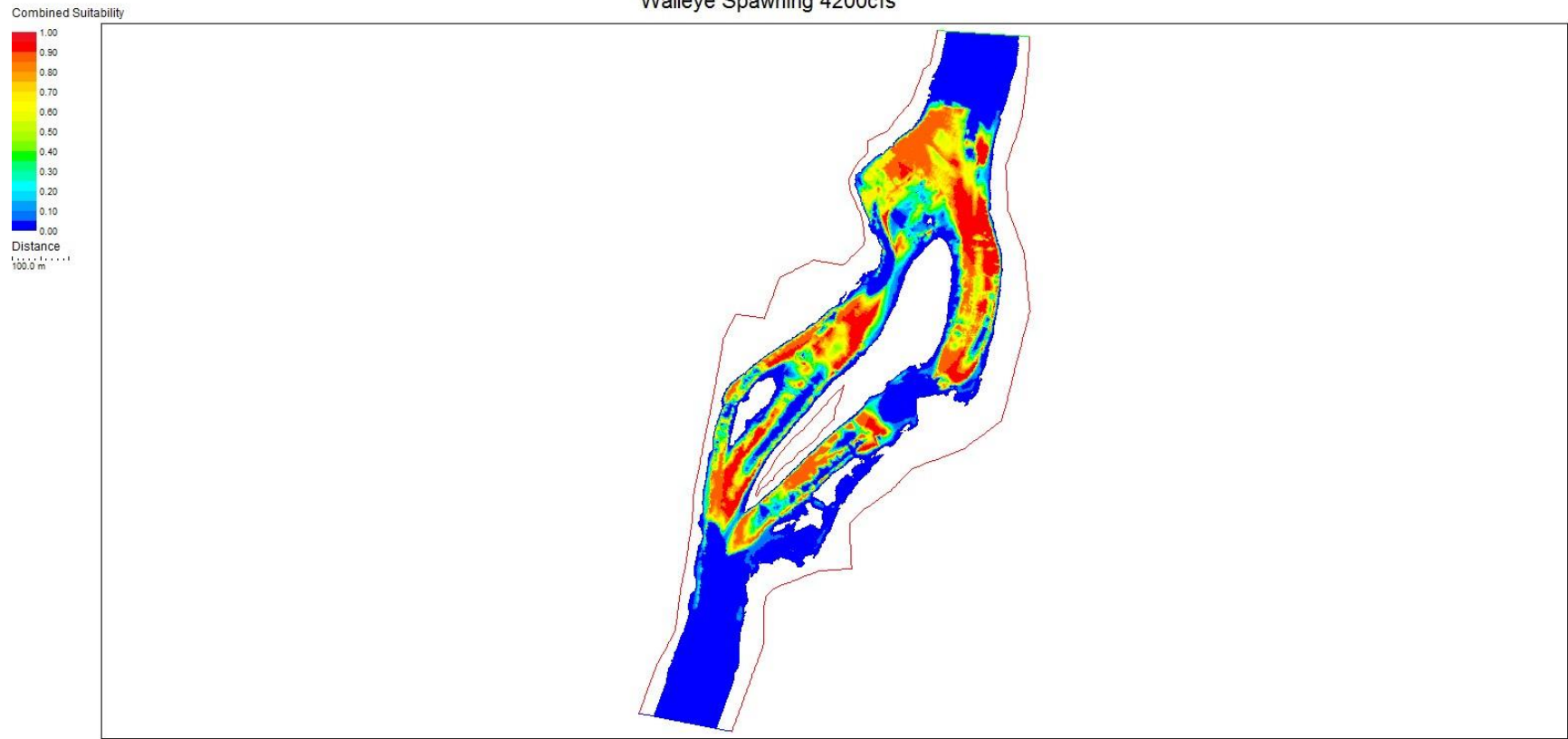
Walleye Spawning 2200cfs



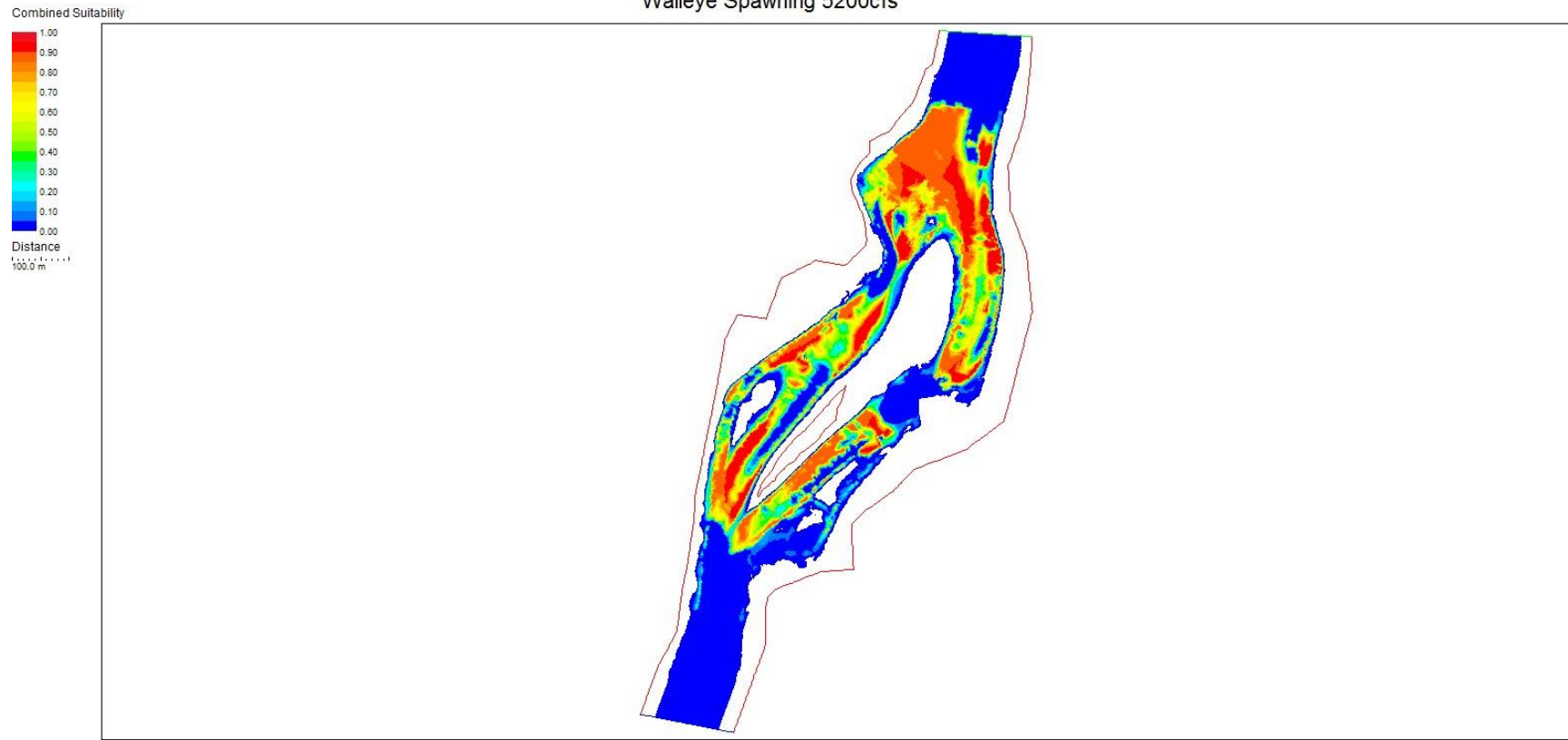
Walleye Spawning 3200cfs



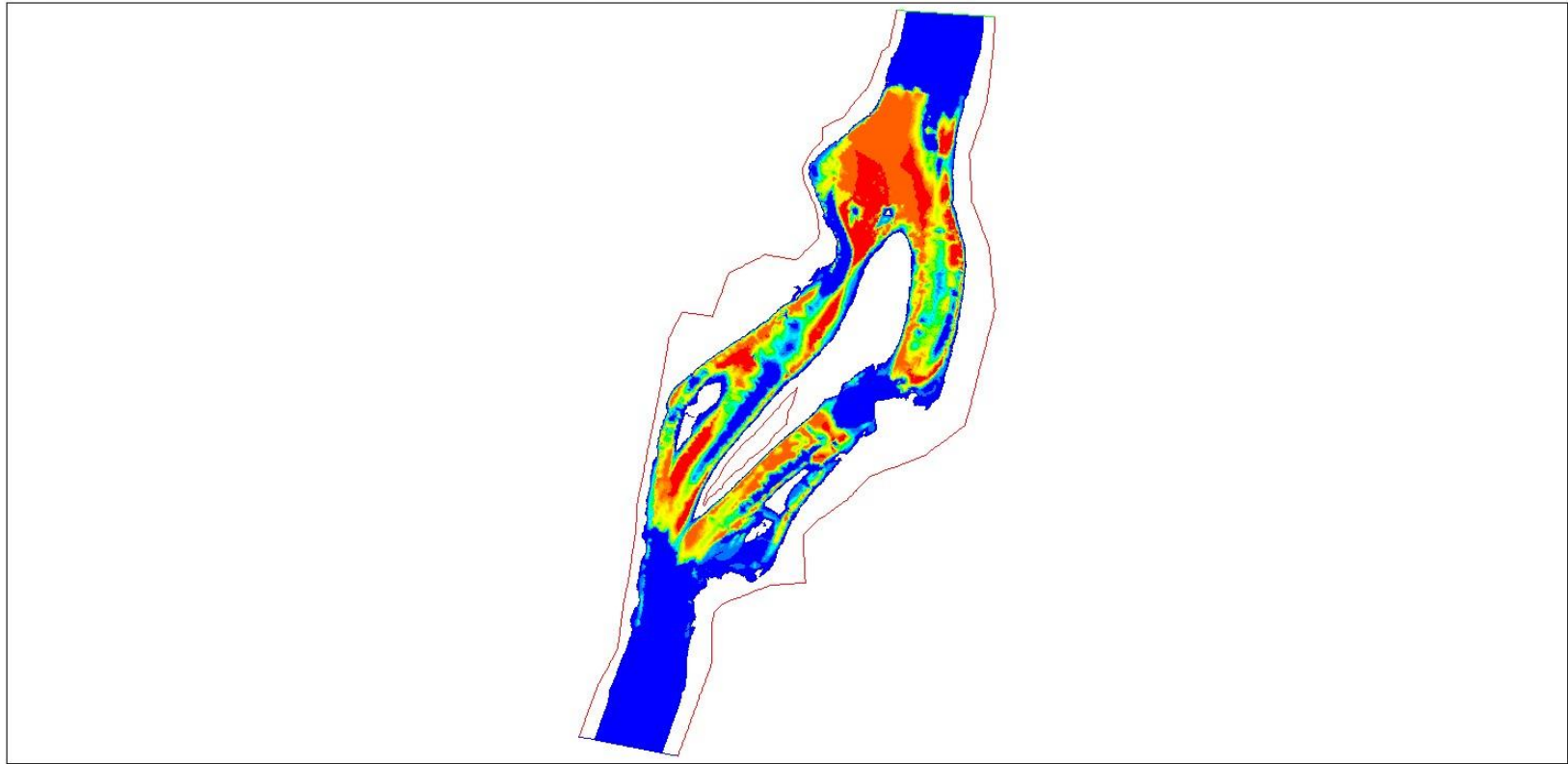
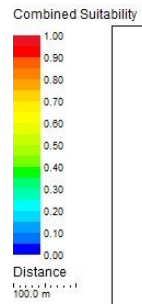
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Walleye Spawning 5200cfs

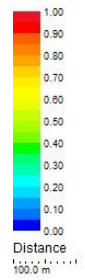


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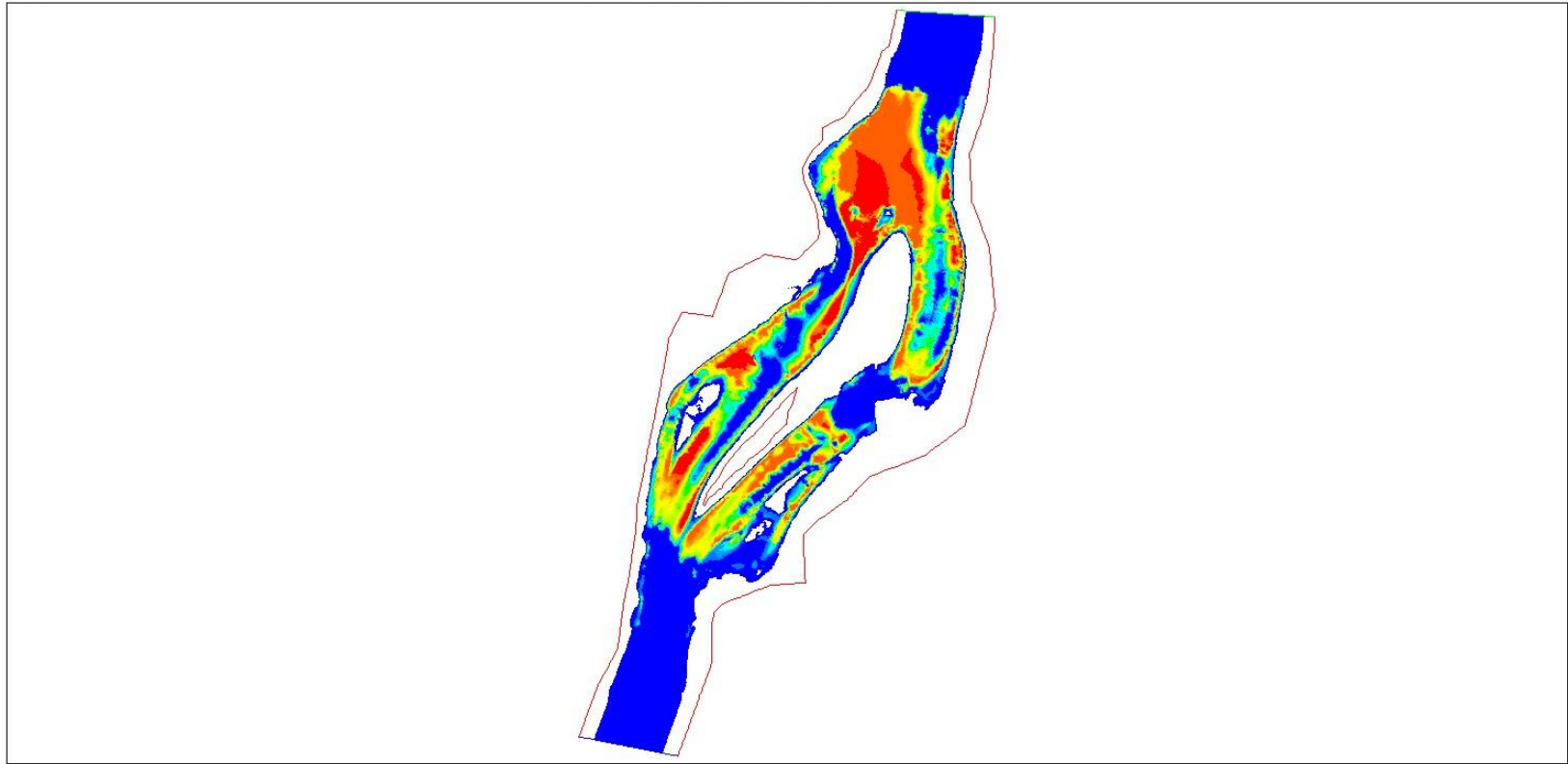


Walleye Spawning 7200cfs

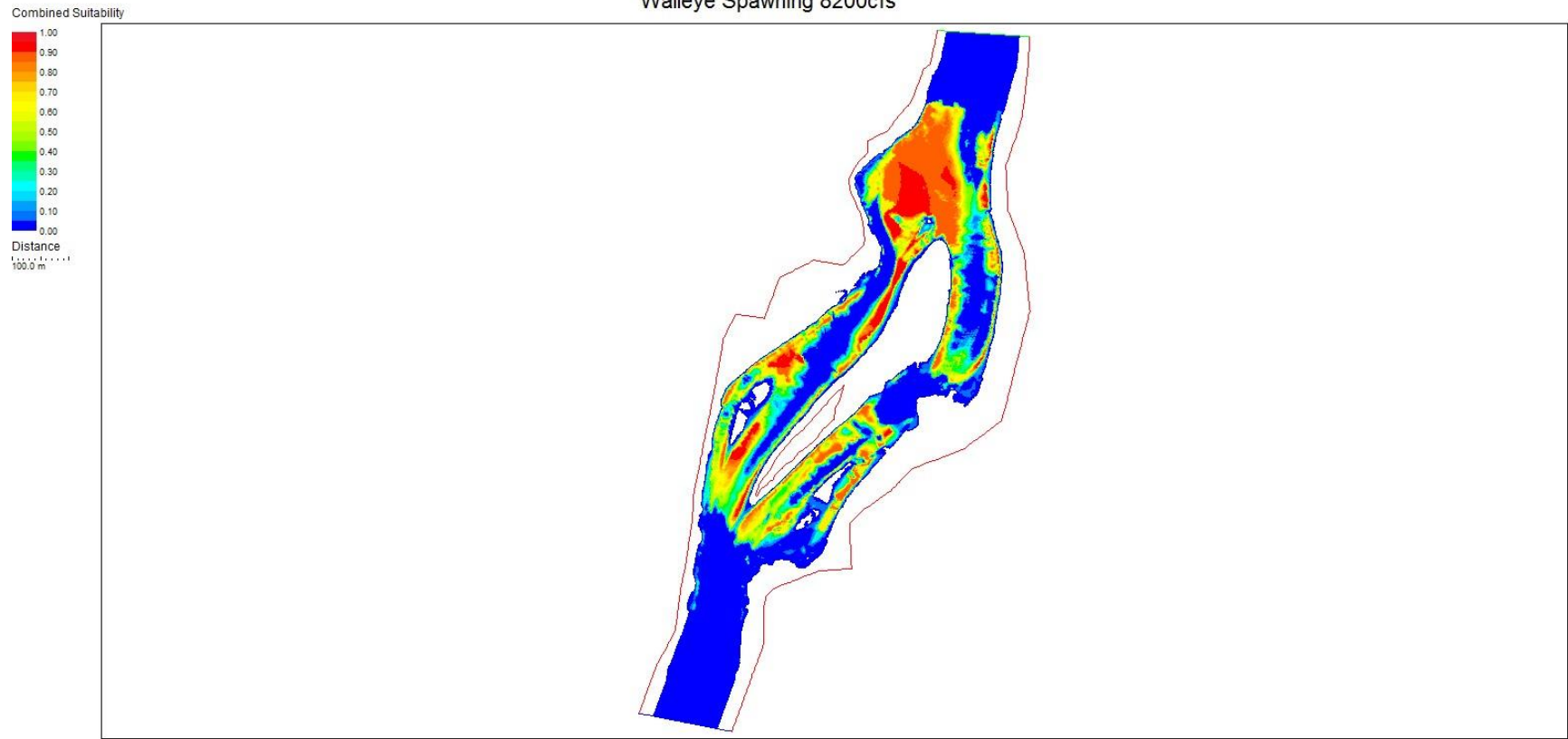
Combined Suitability



Distance
.....
100.0 m

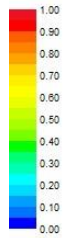


Walleye Spawning 8200cfs

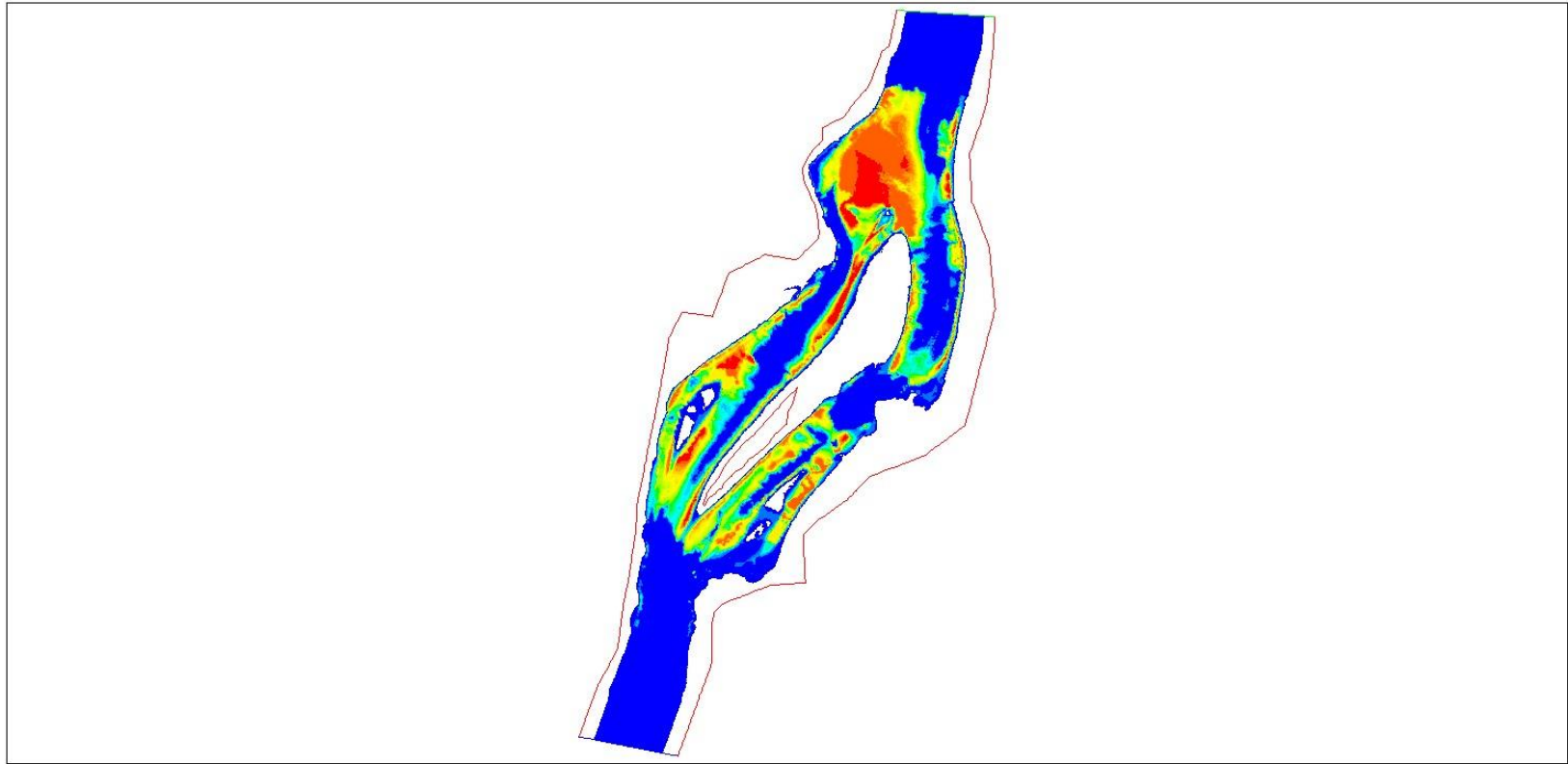


Walleye Spawning 9200cfs

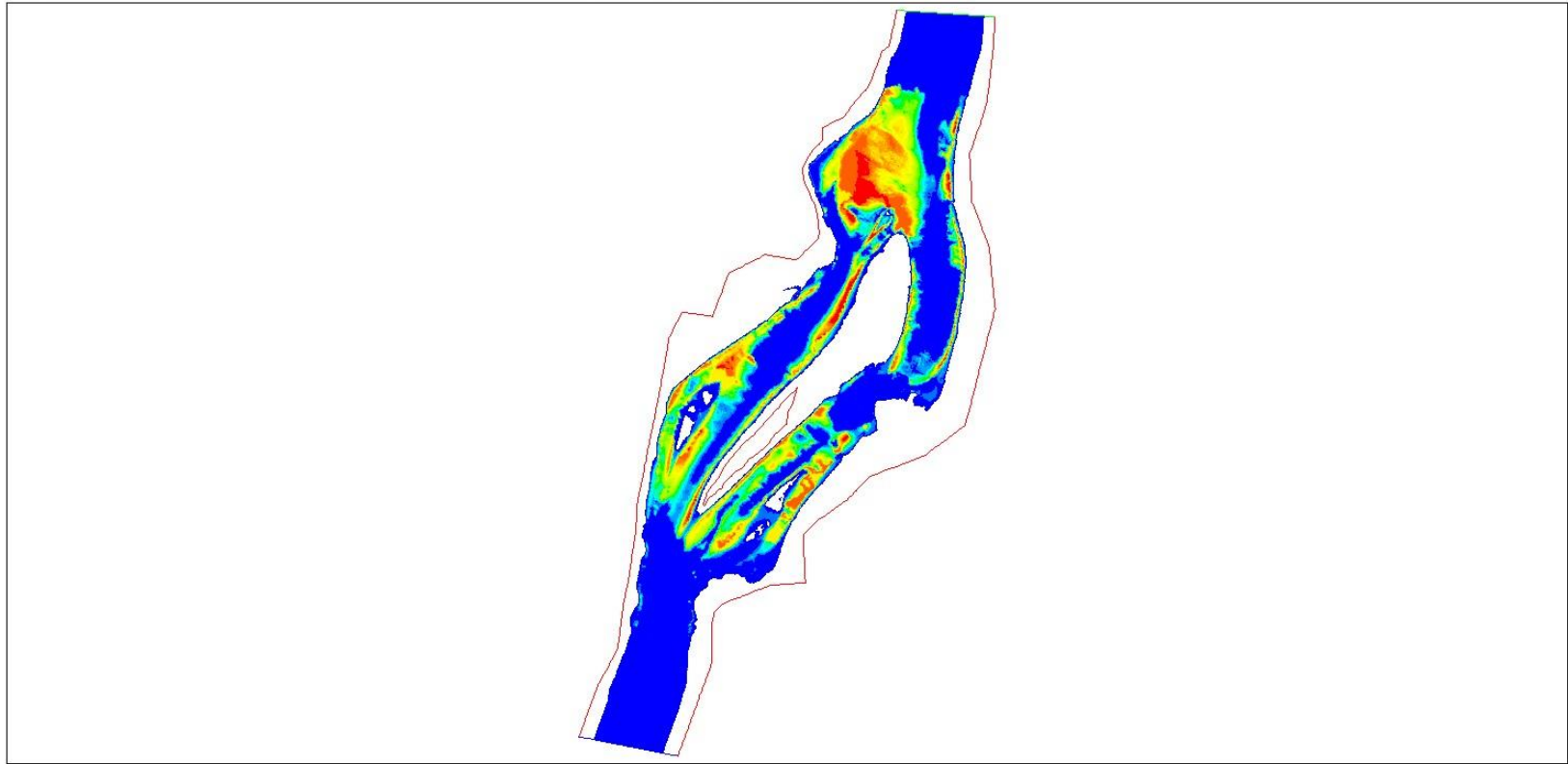
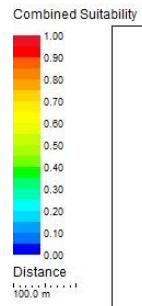
Combined Suitability



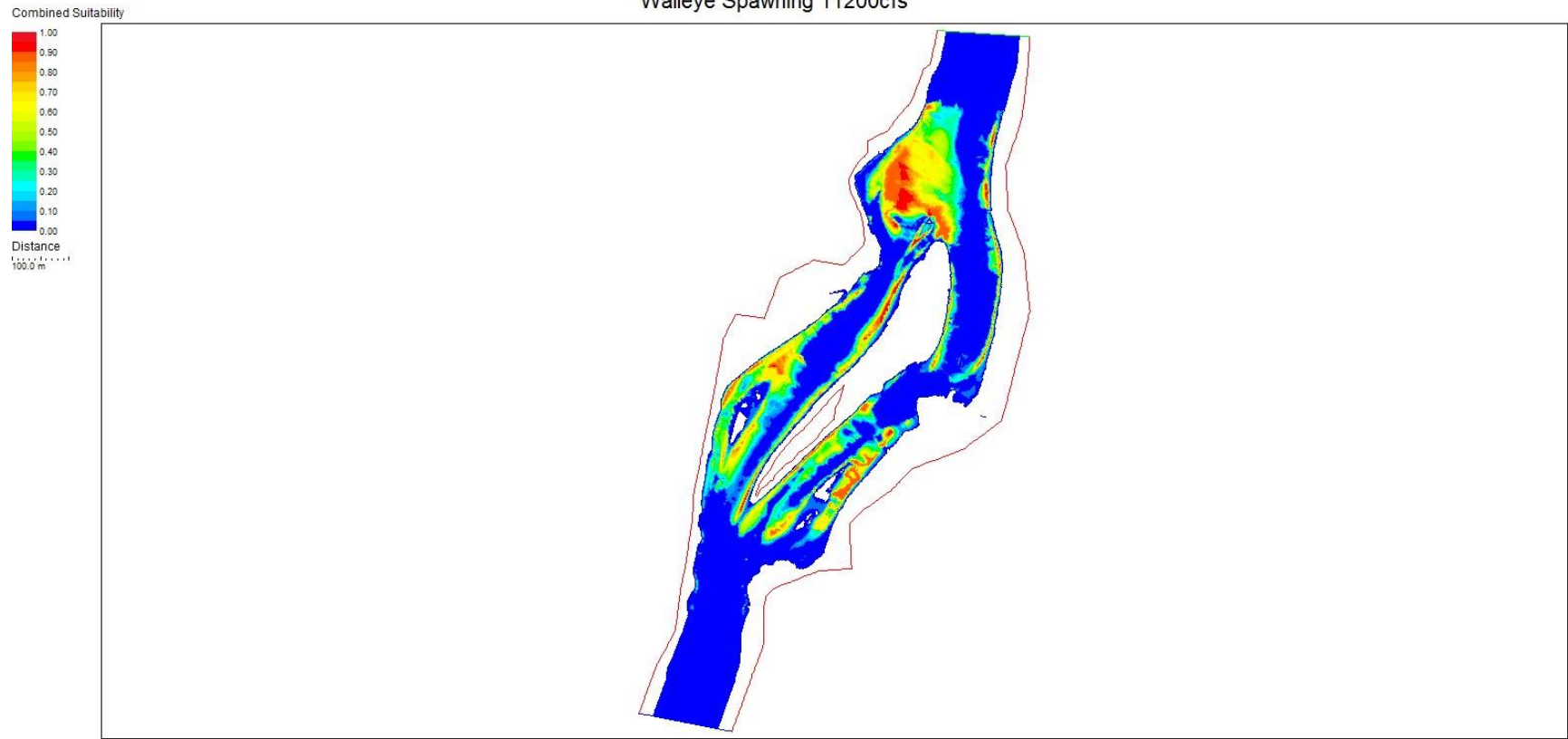
Distance
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100.0 m

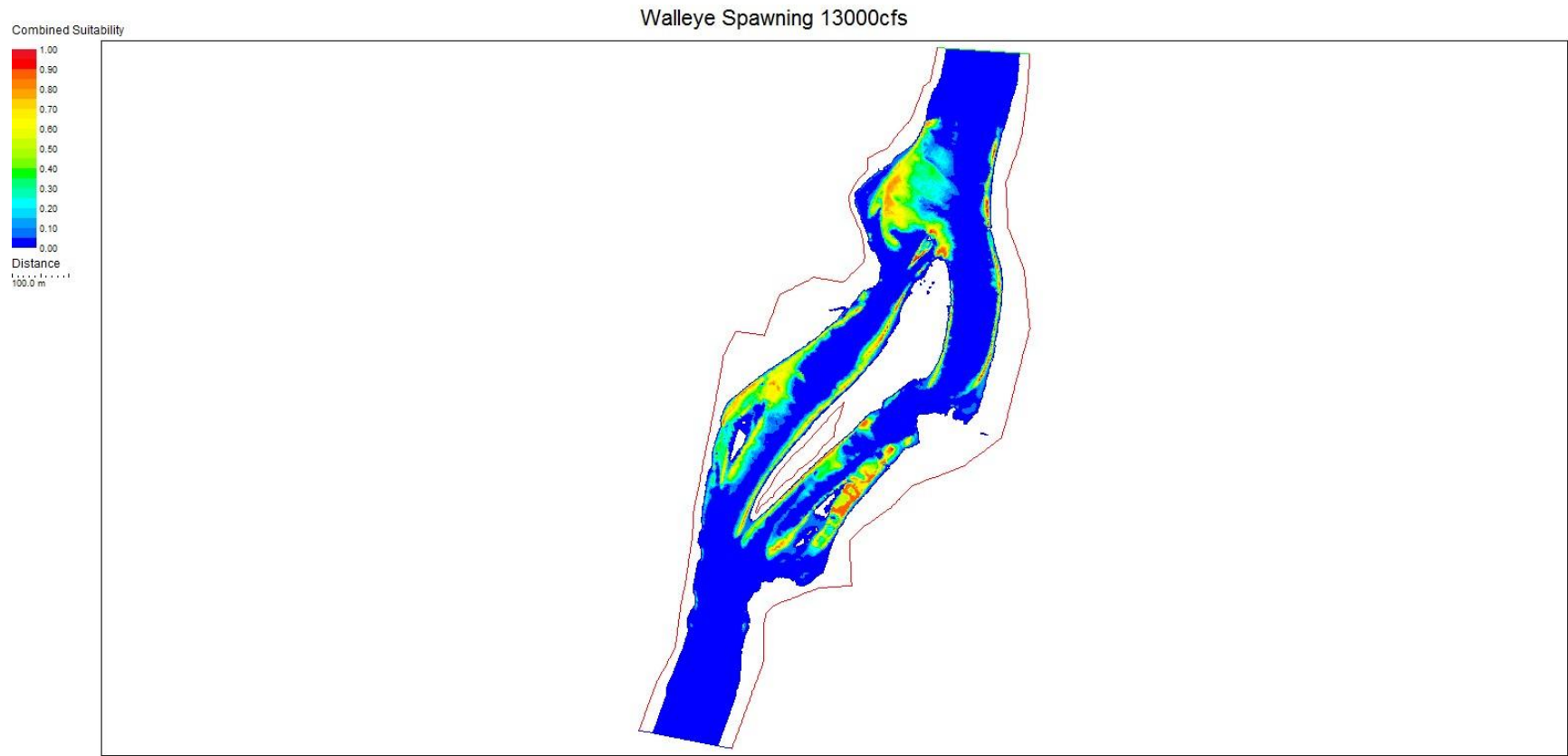


Walleye Spawning 10200cfs

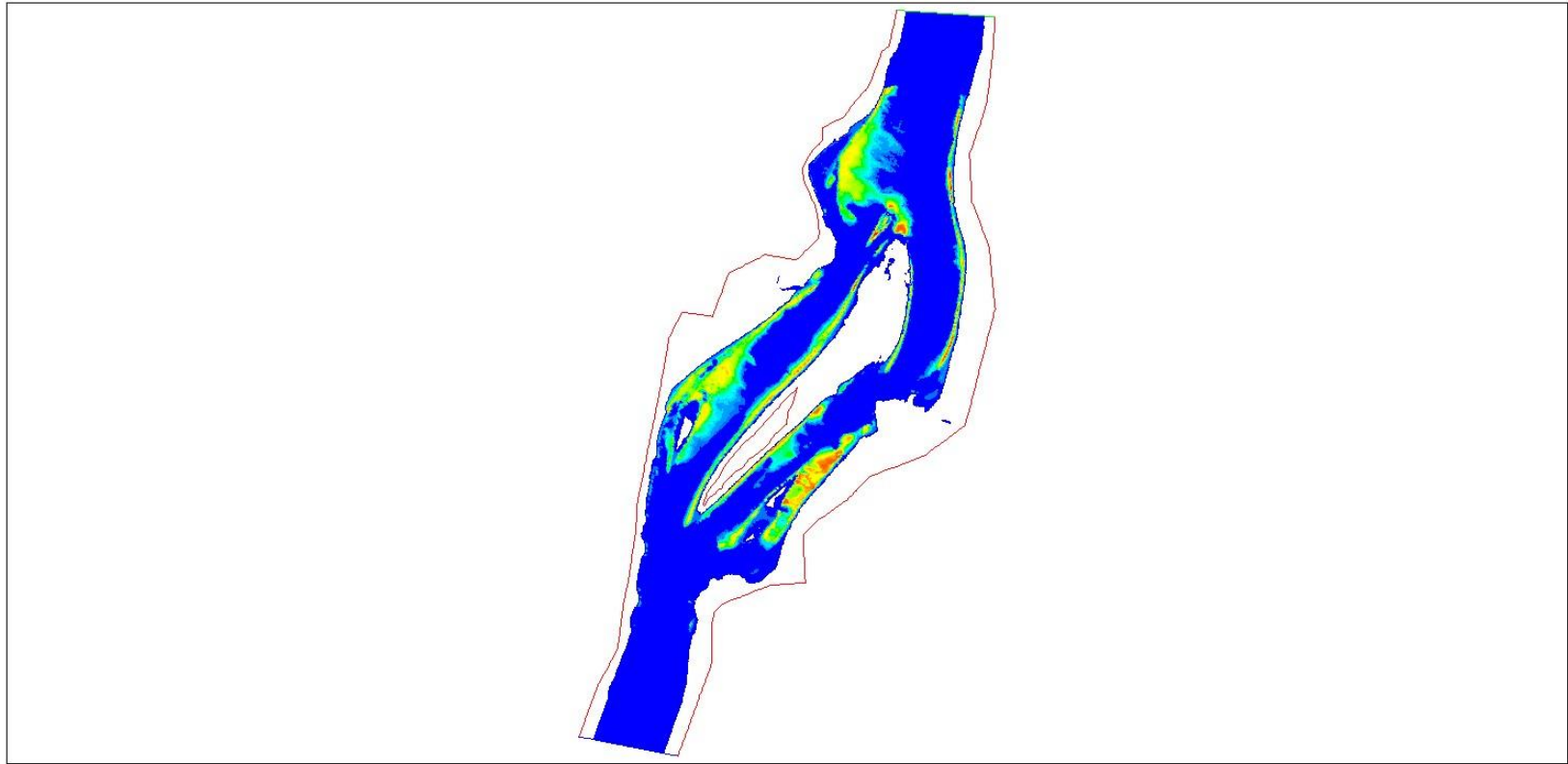
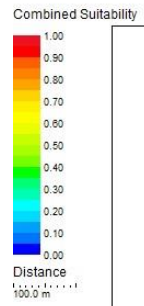


Walleye Spawning 11200cfs

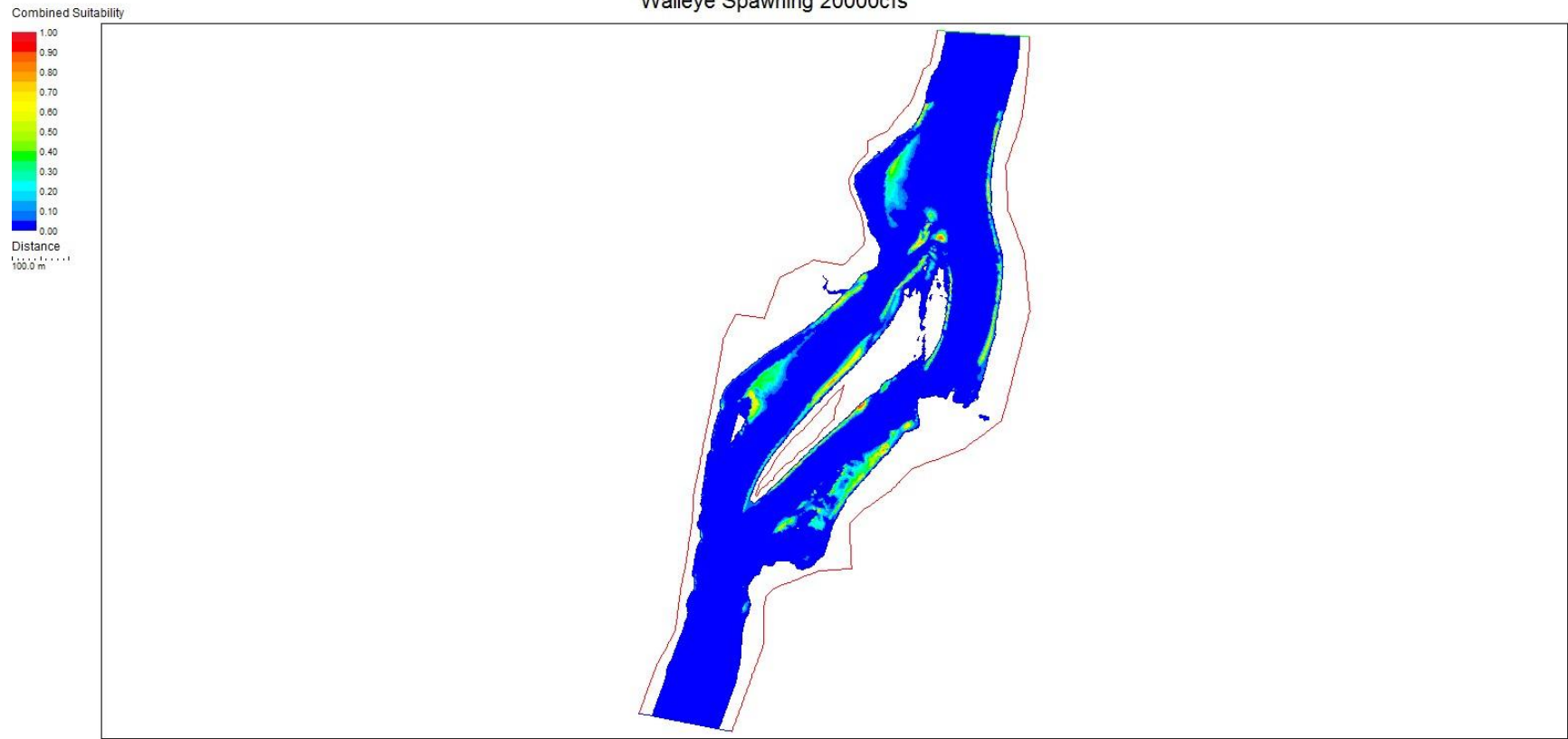




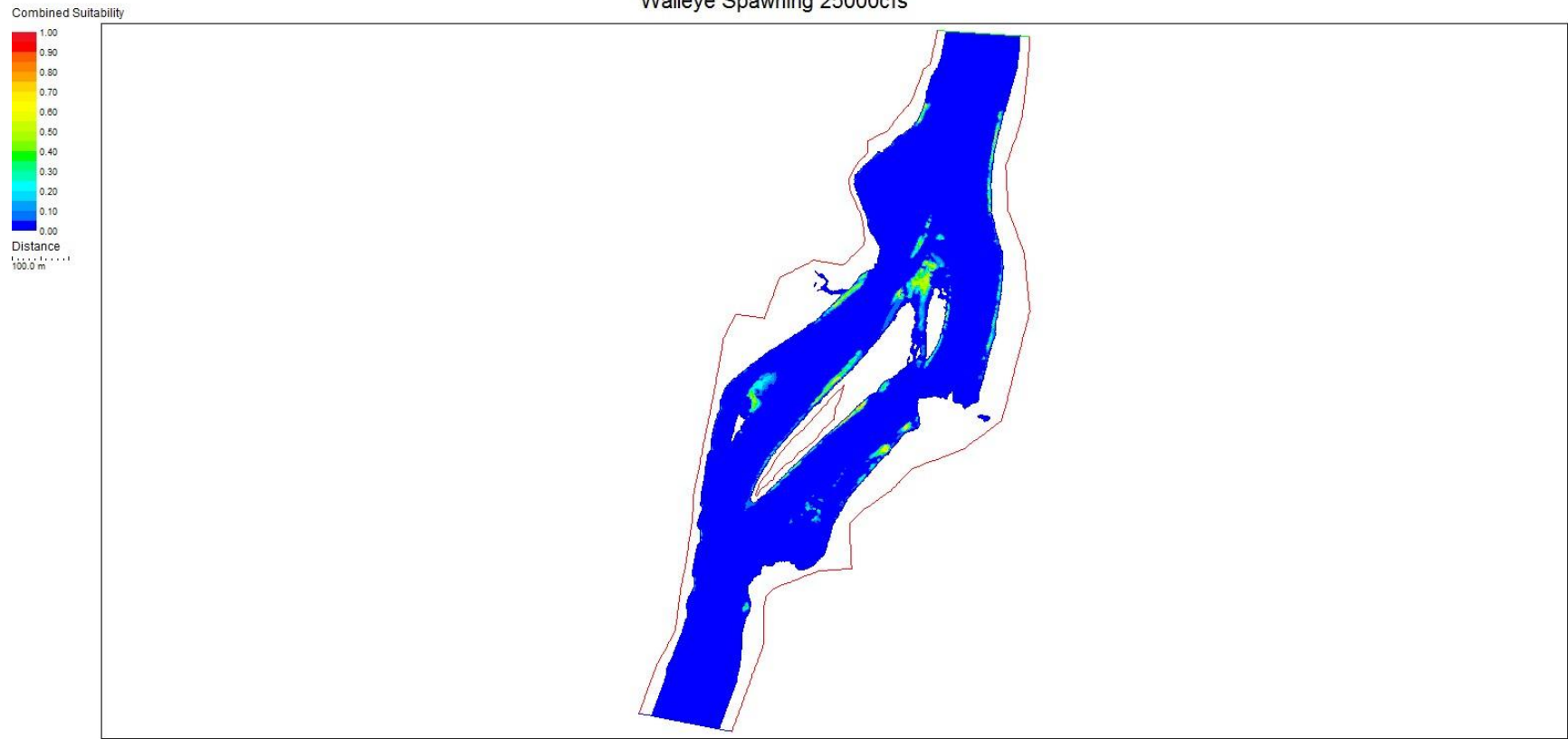
Walleye Spawning 15000cfs



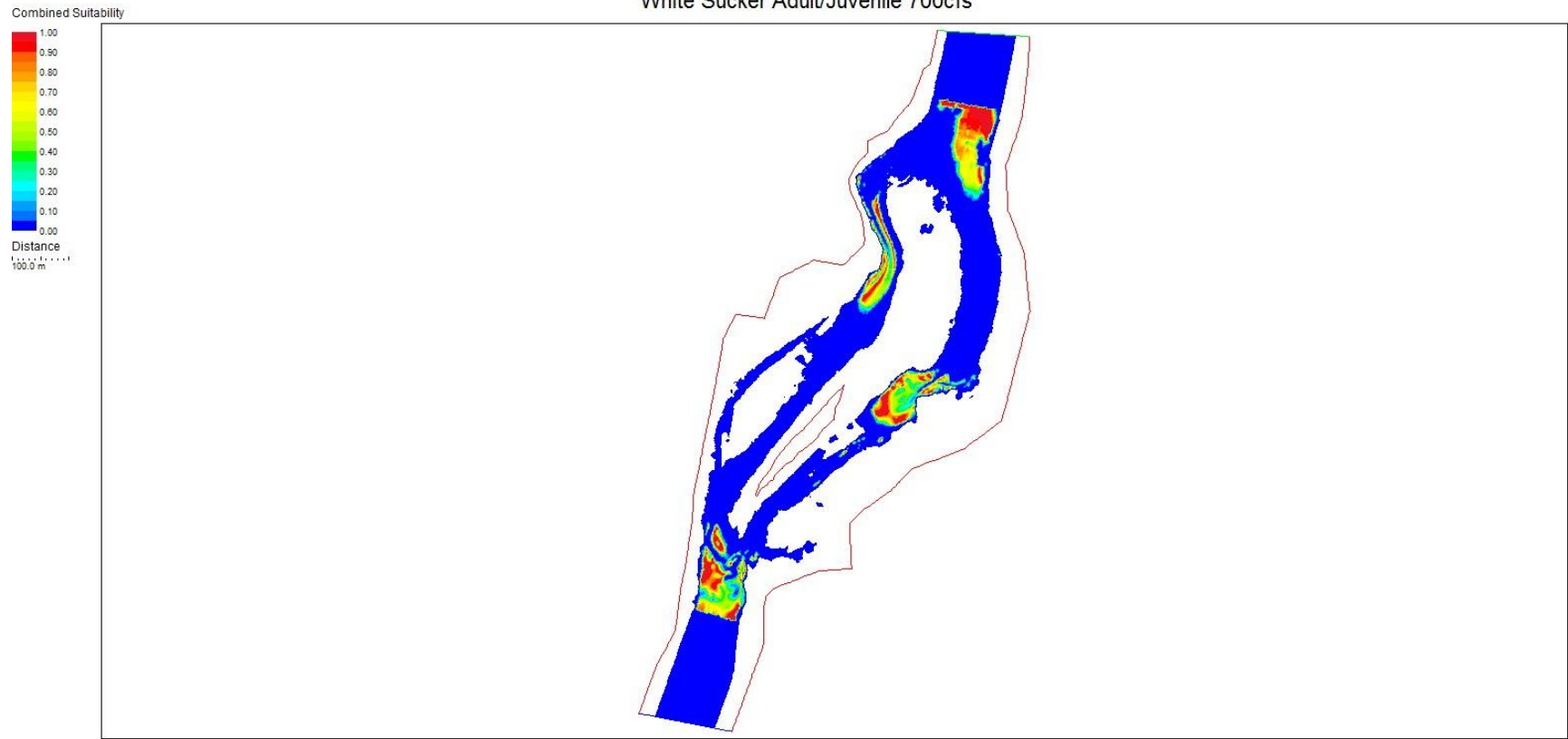
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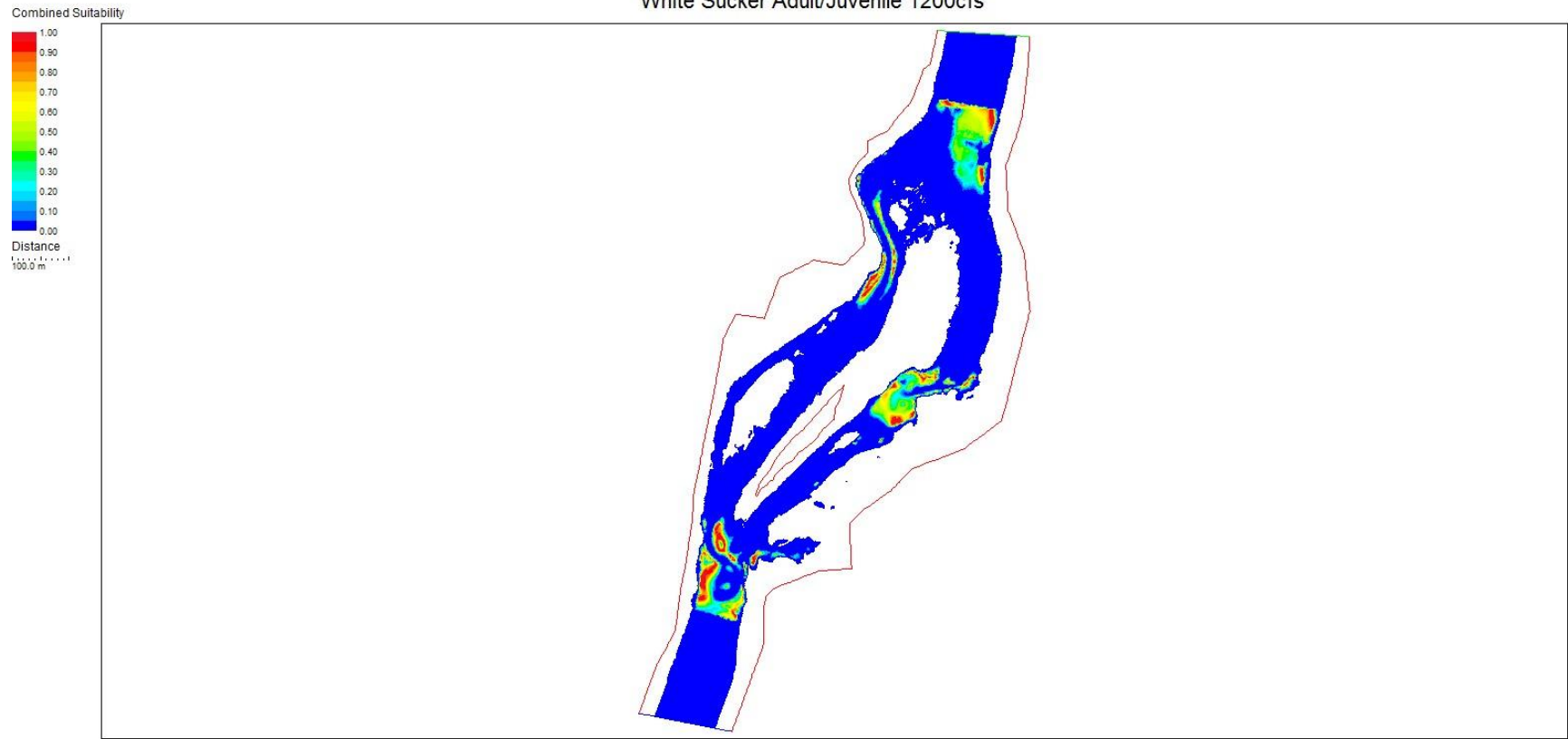
Walleye Spawning 25000cfs



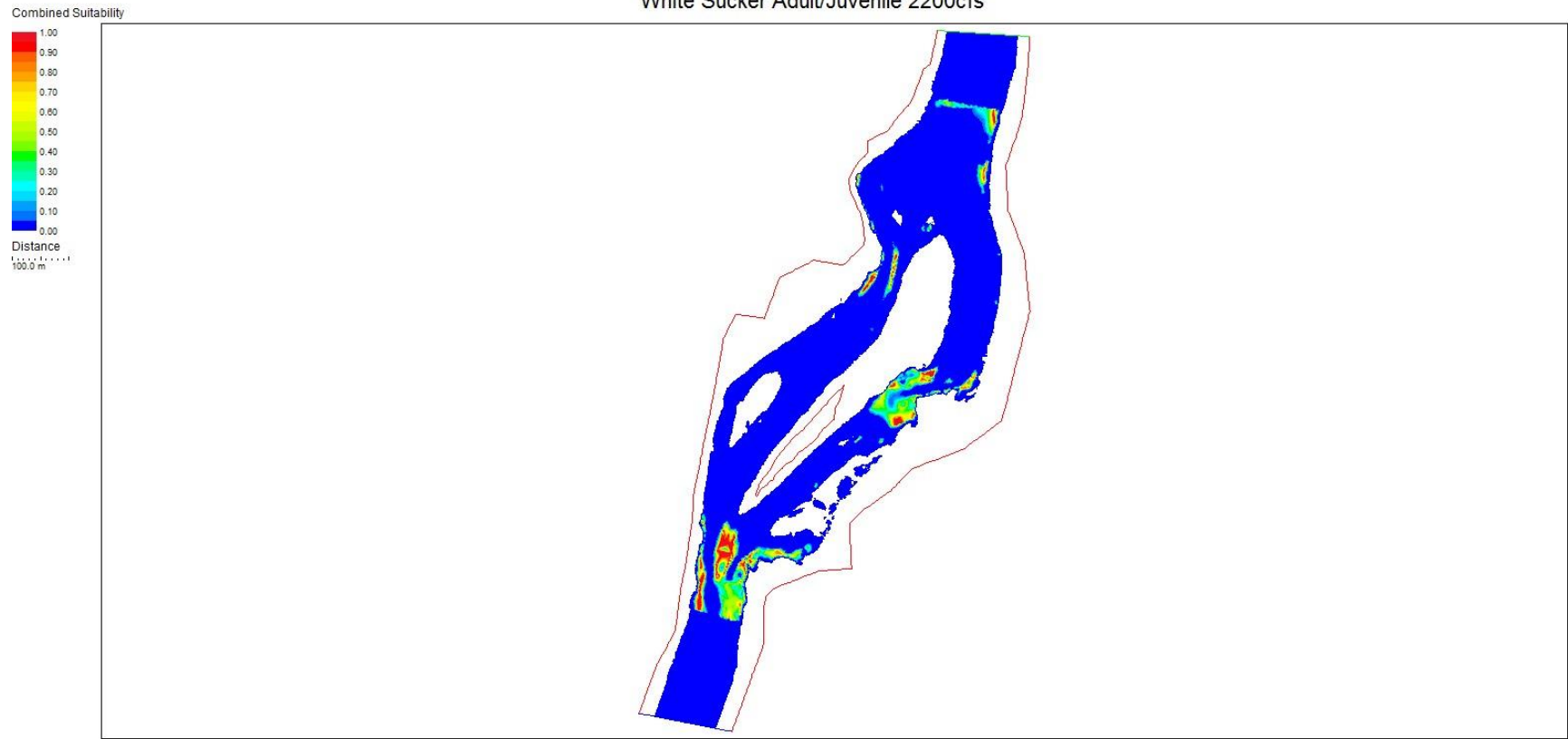
White Sucker Adult/Juvenile 700cfs



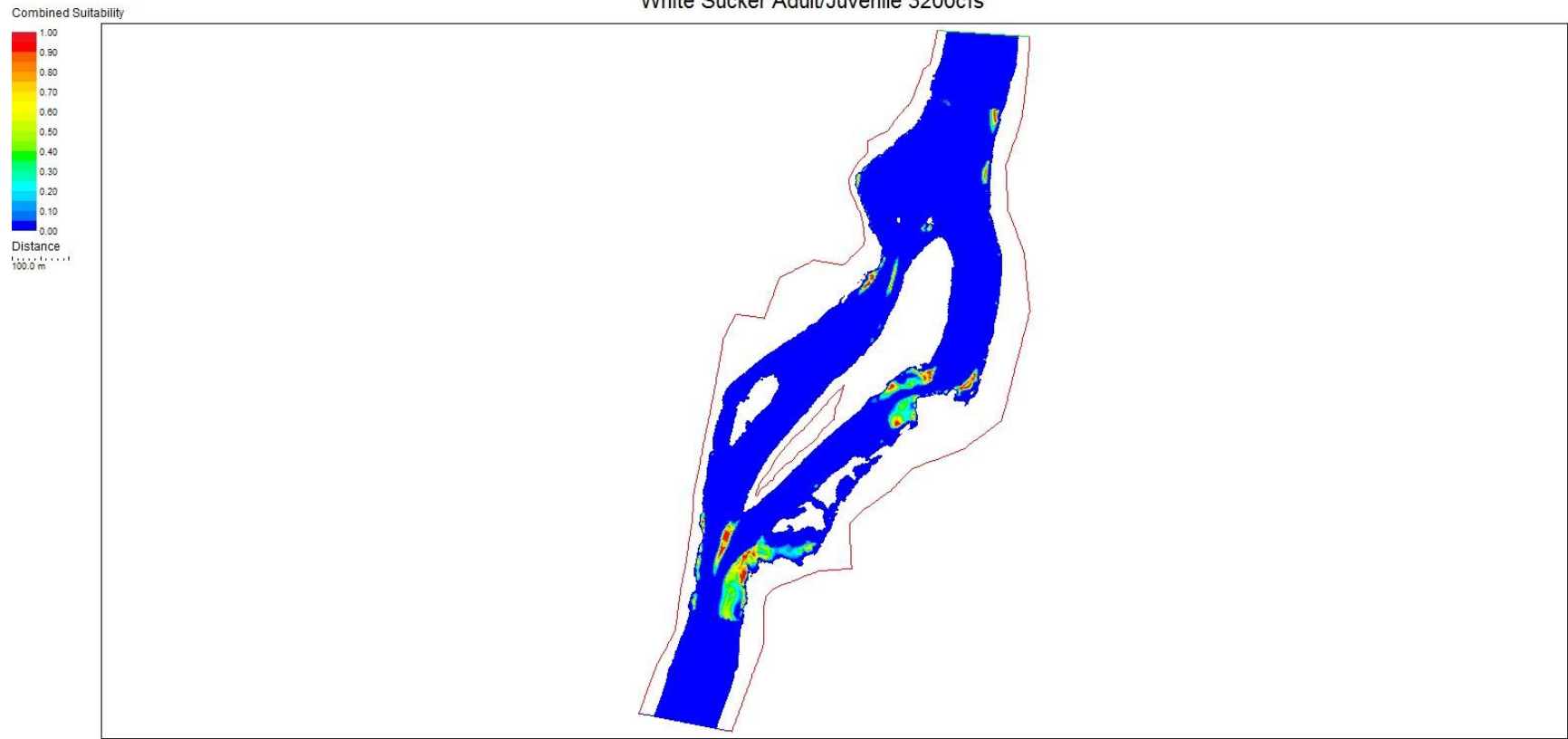
White Sucker Adult/Juvenile 1200cfs



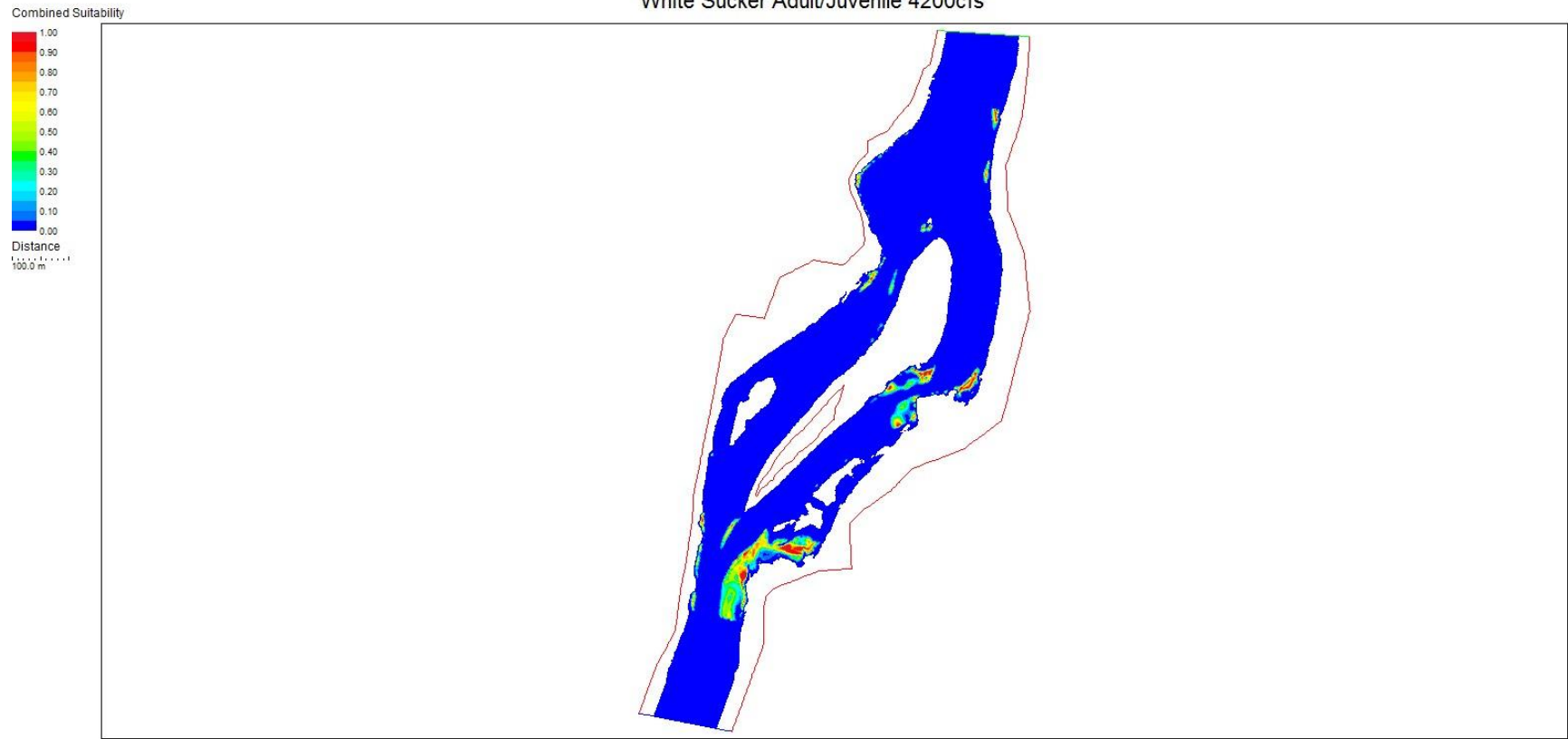
White Sucker Adult/Juvenile 2200cfs



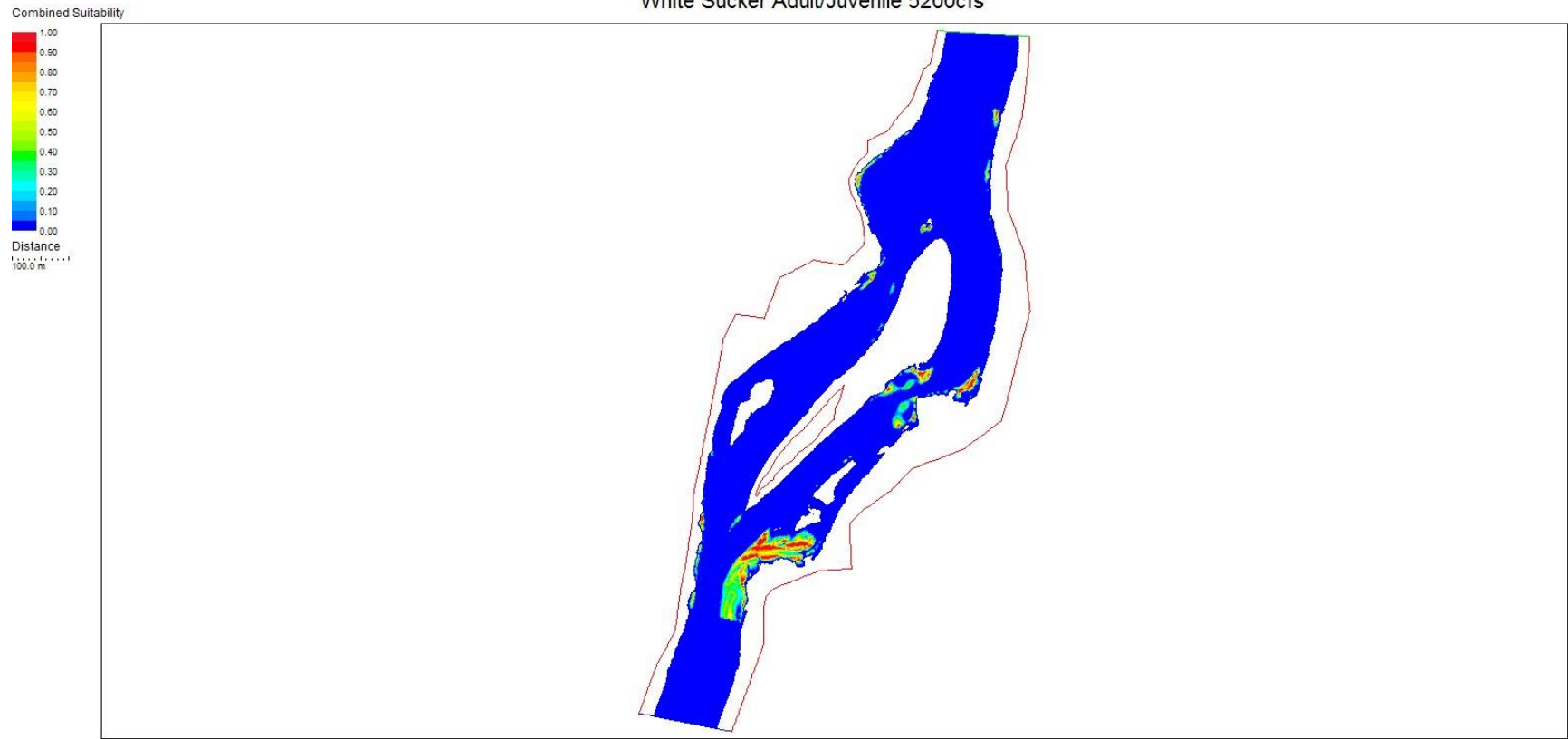
White Sucker Adult/Juvenile 3200cfs



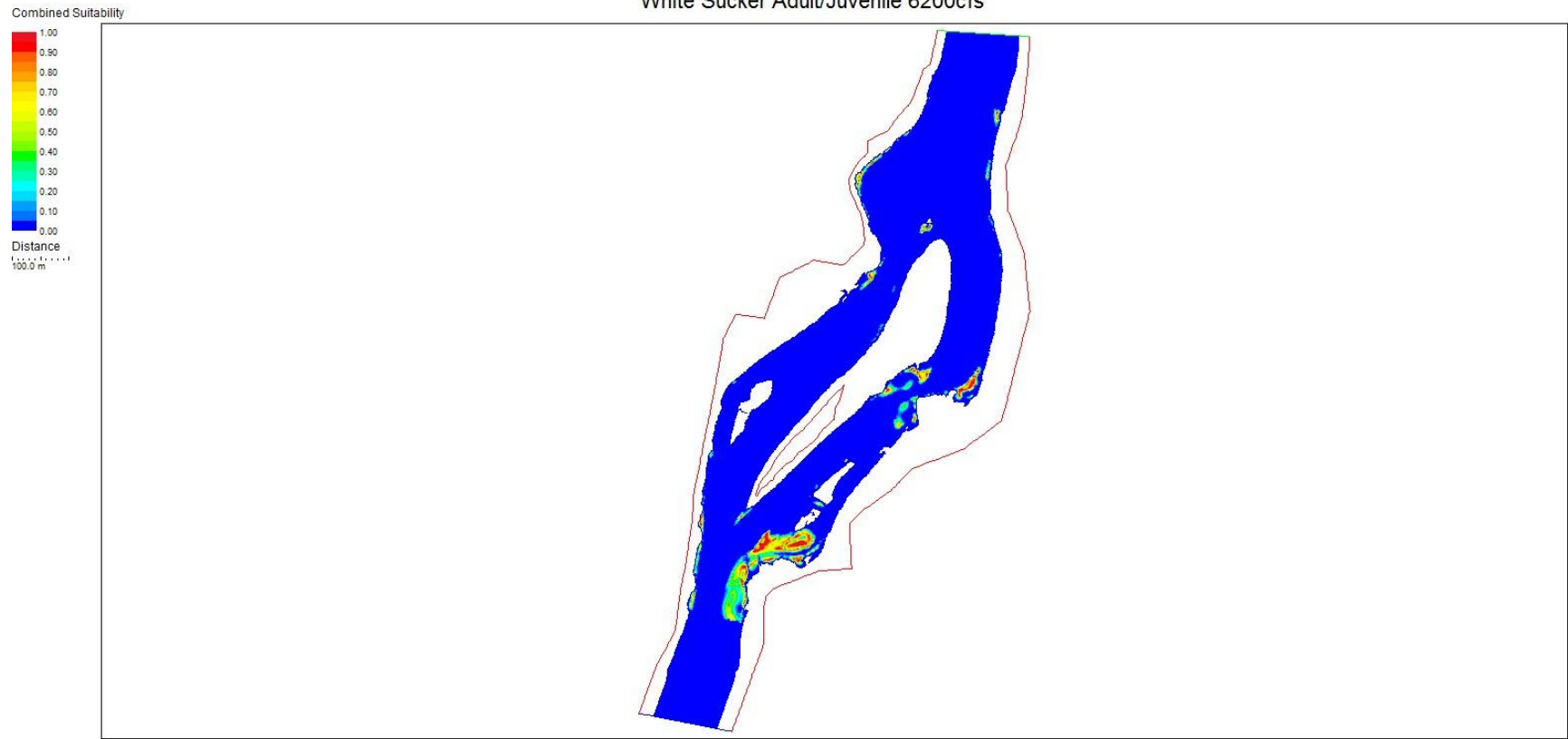
White Sucker Adult/Juvenile 4200cfs



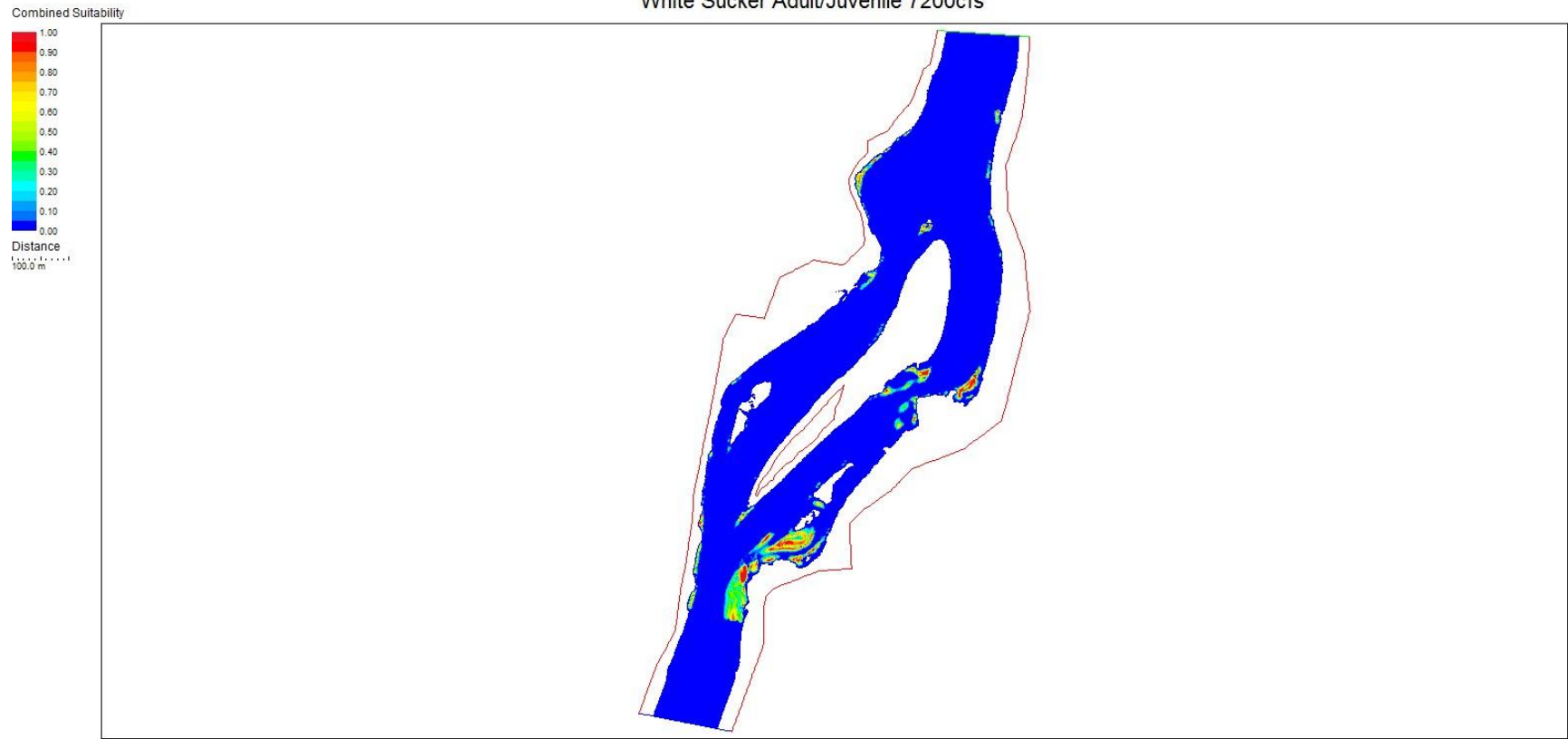
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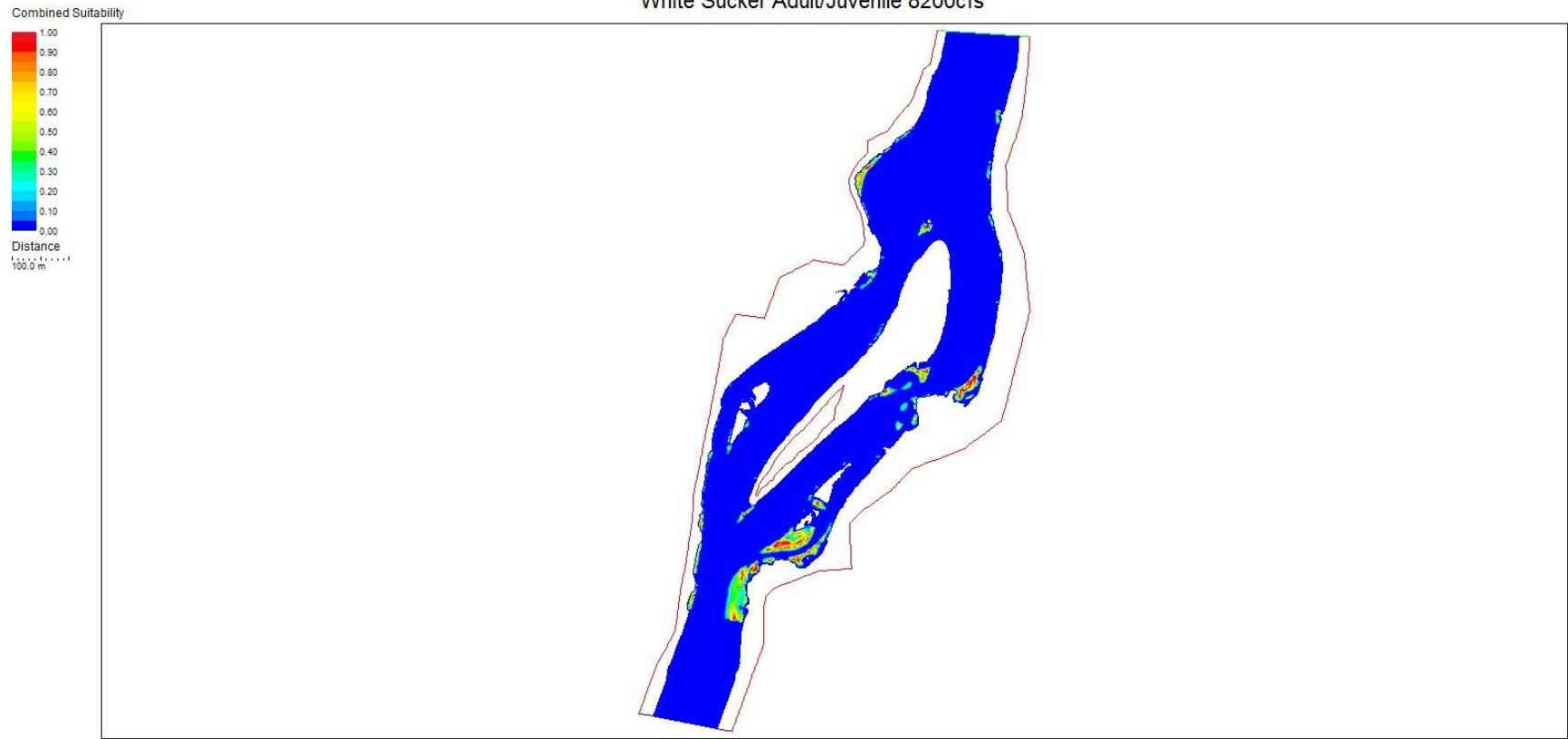
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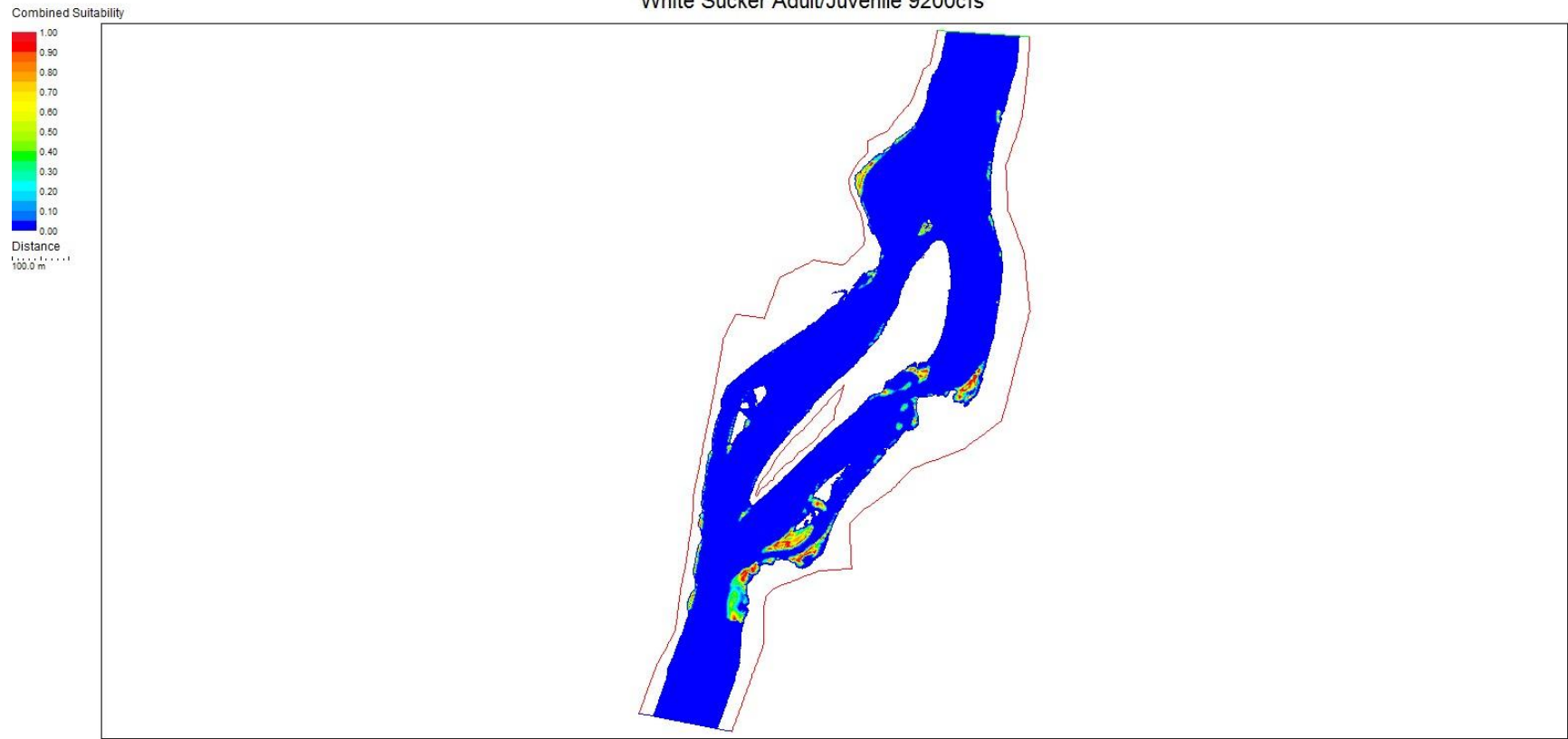
White Sucker Adult/Juvenile 7200cfs



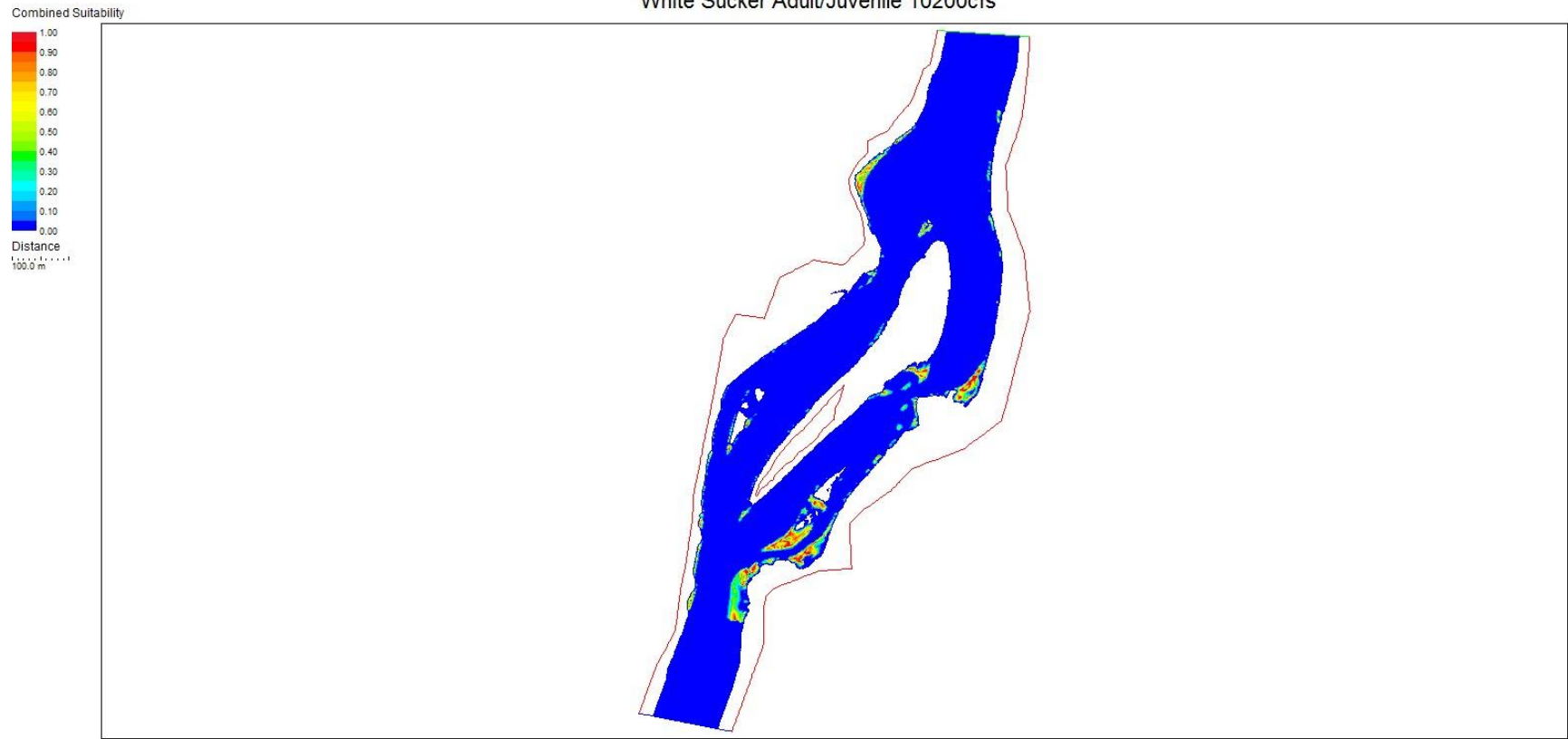
White Sucker Adult/Juvenile 8200cfs



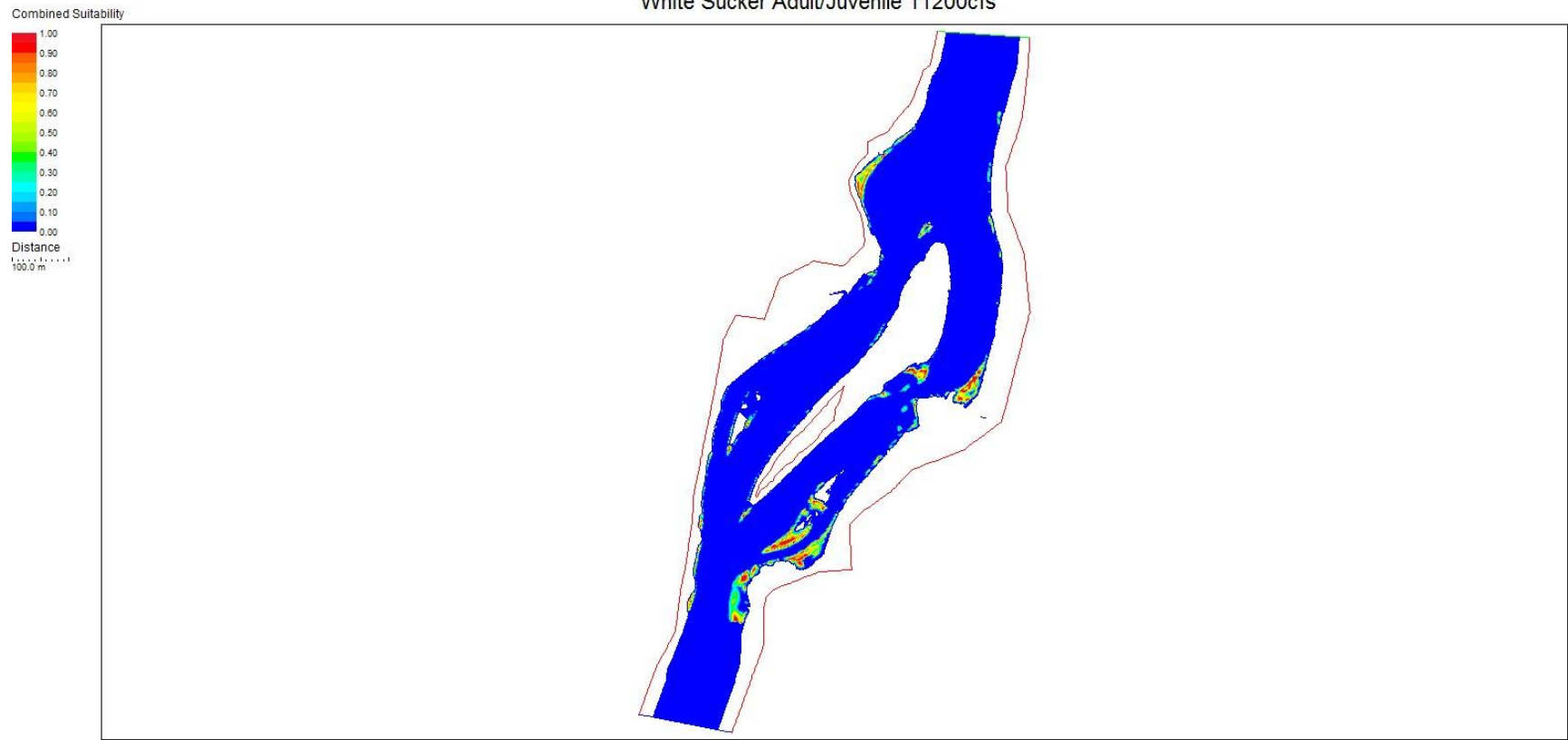
White Sucker Adult/Juvenile 9200cfs



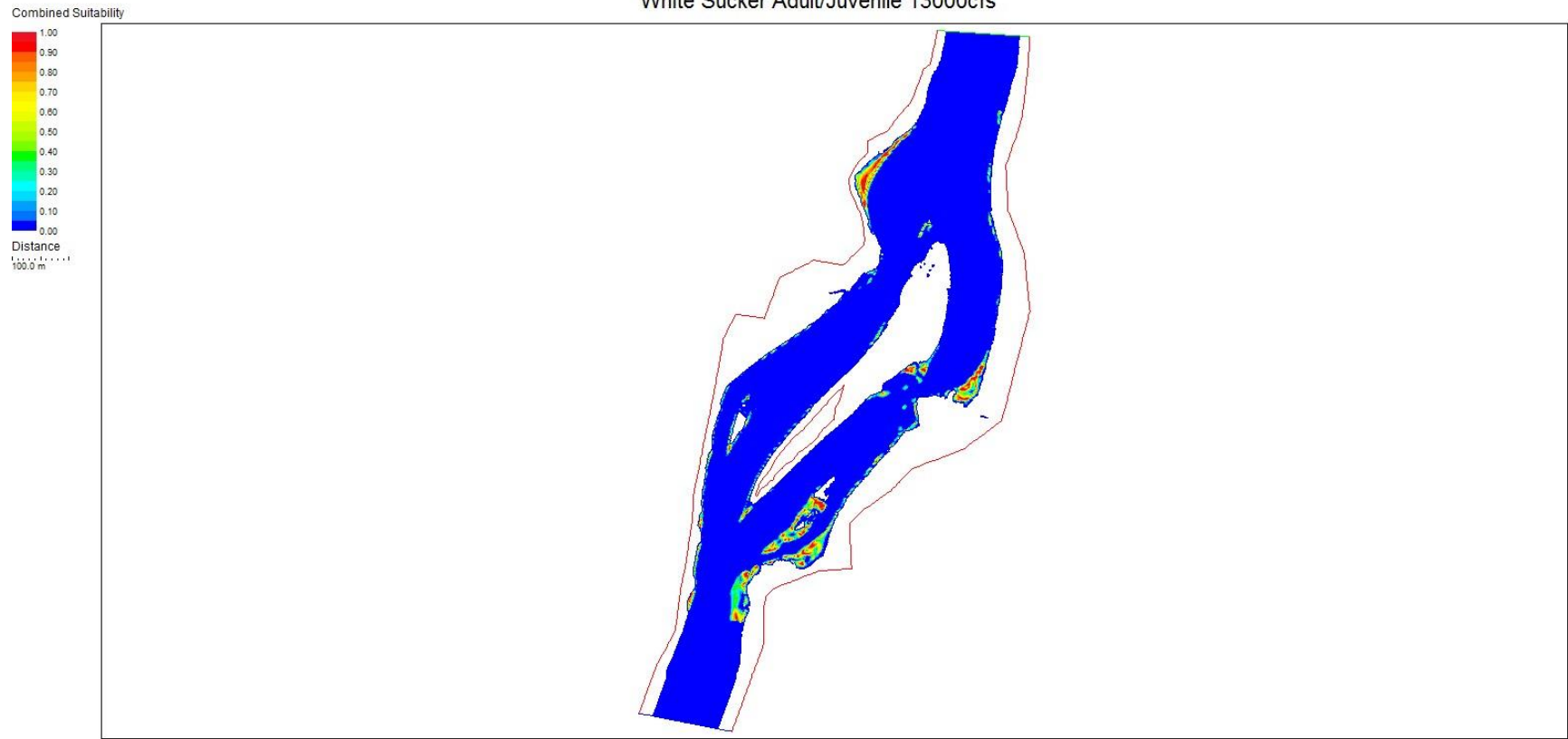
White Sucker Adult/Juvenile 10200cfs



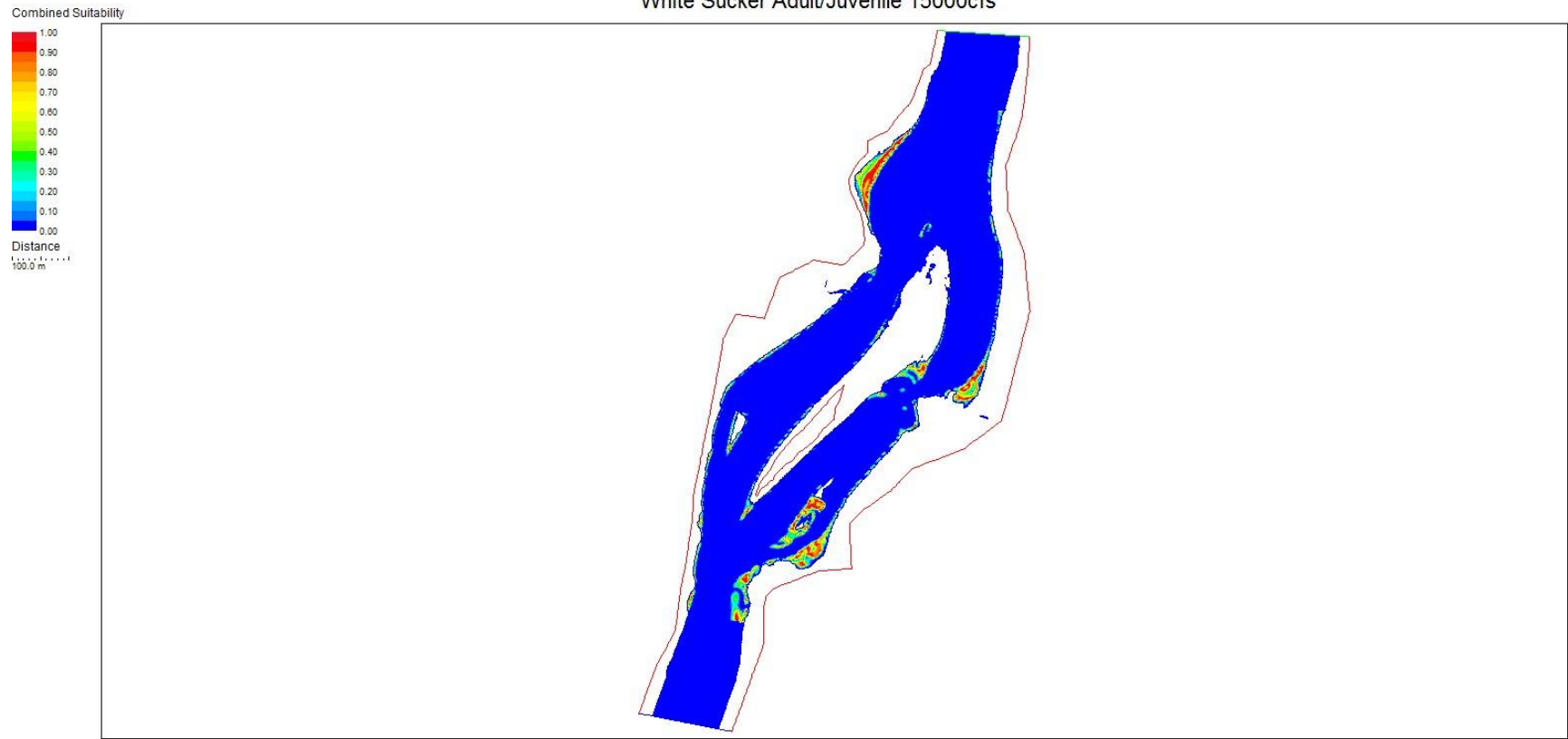
White Sucker Adult/Juvenile 11200cfs



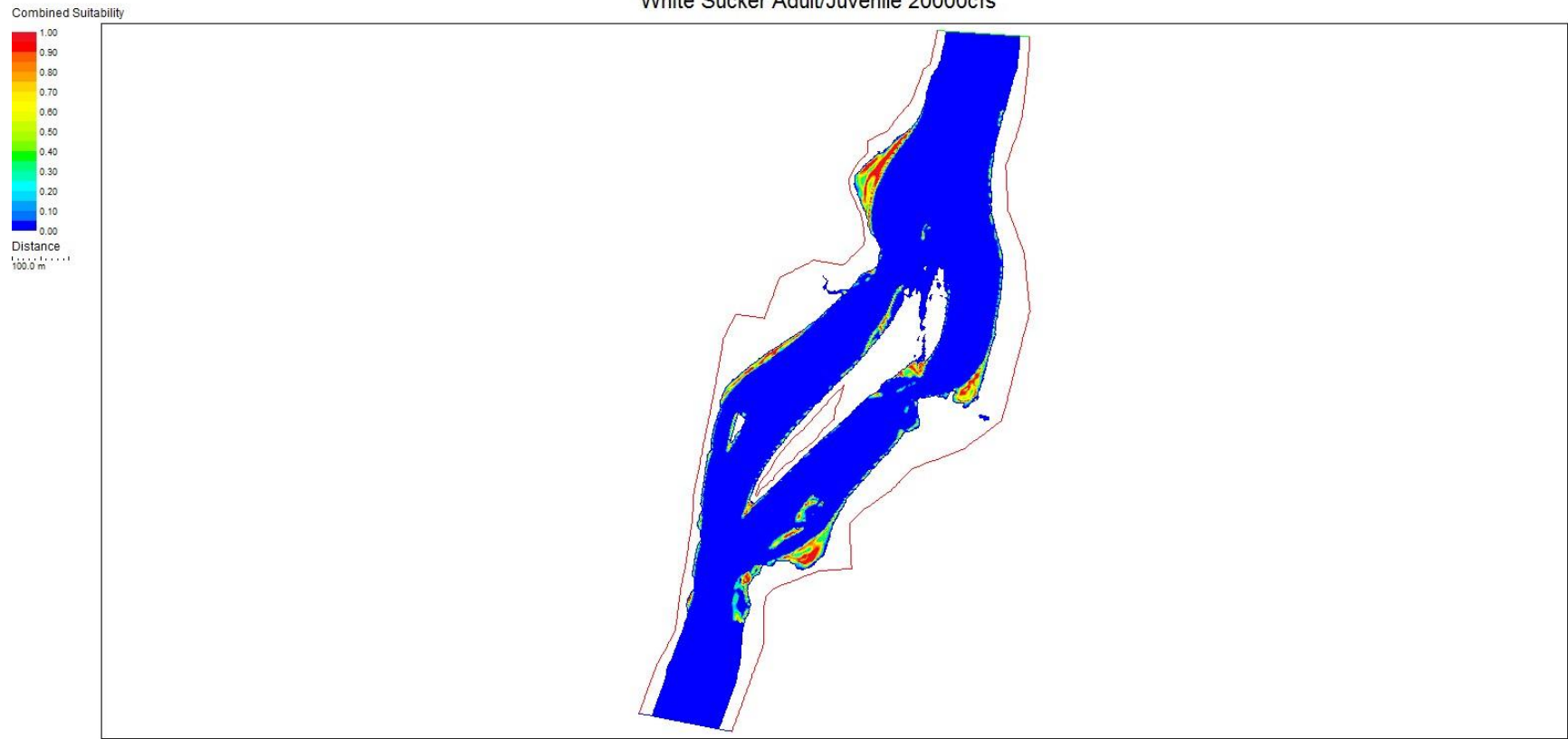
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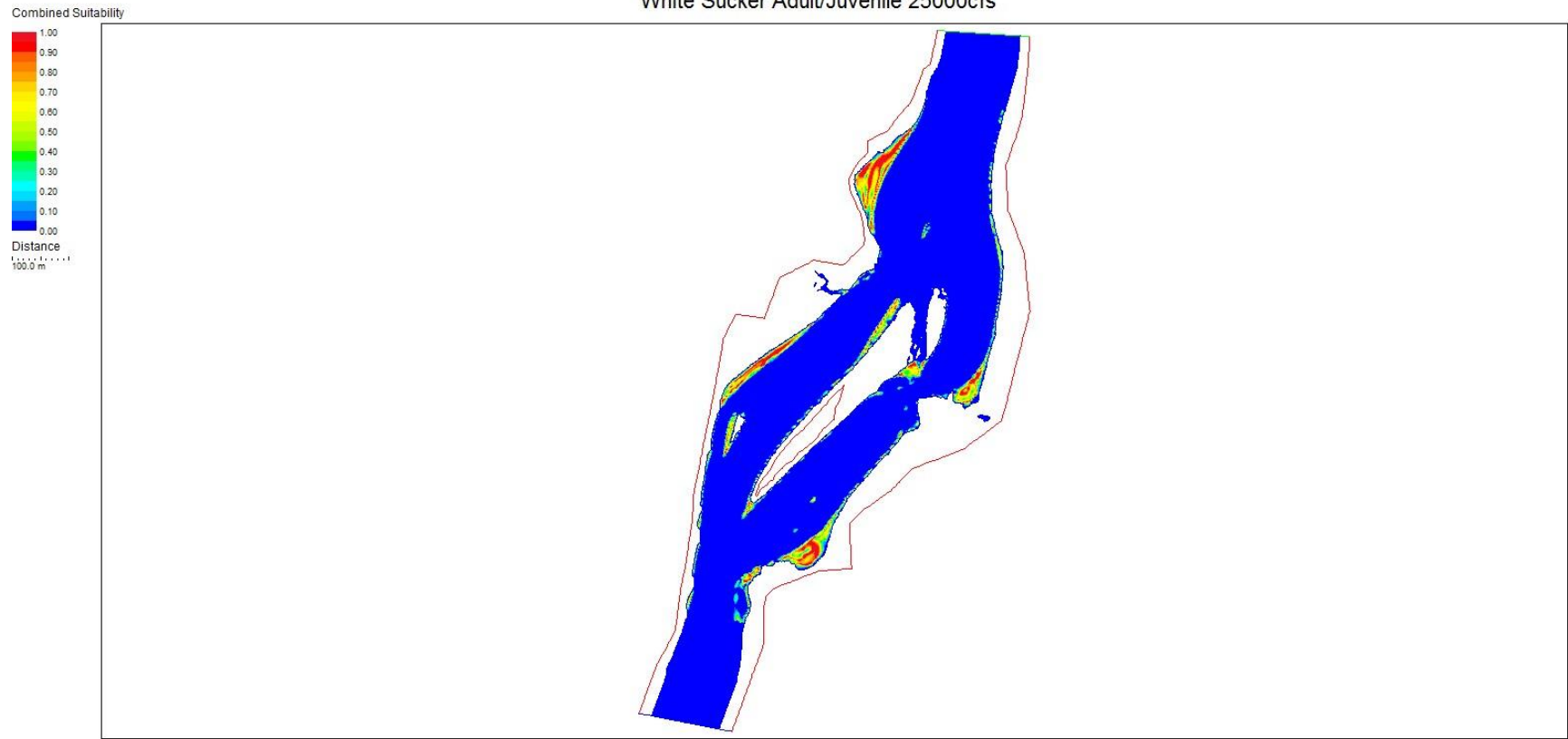
White Sucker Adult/Juvenile 15000cfs



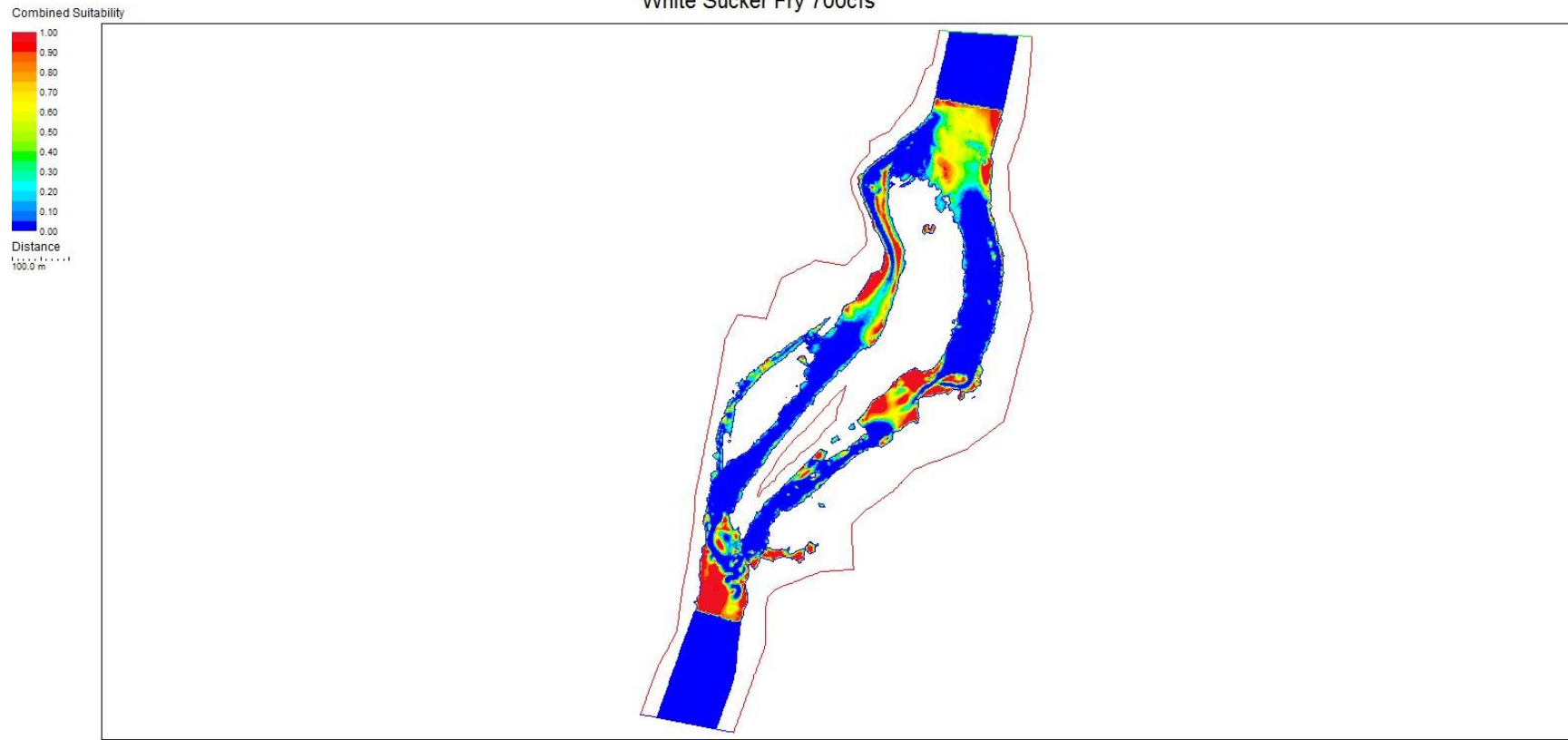
White Sucker Adult/Juvenile 20000cfs



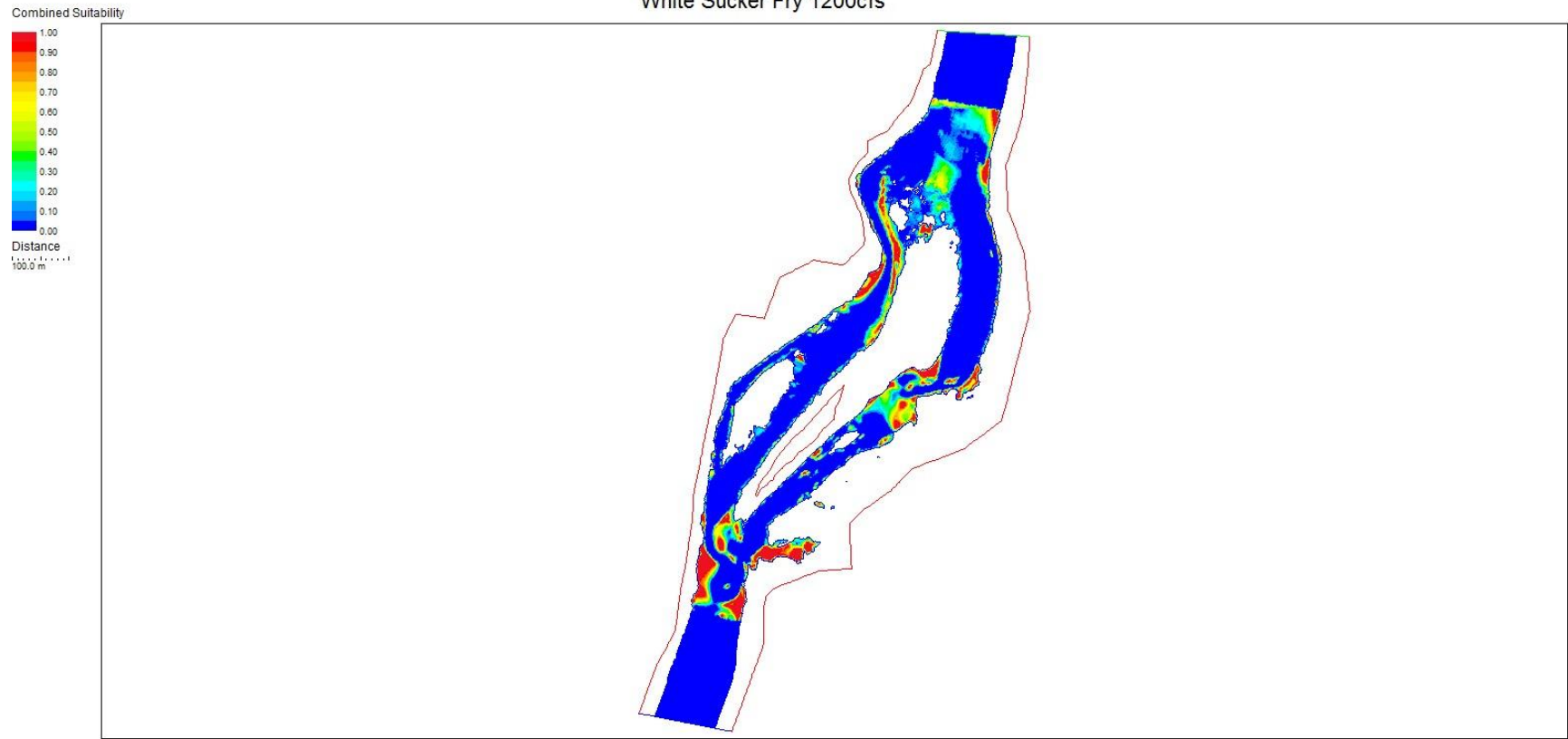
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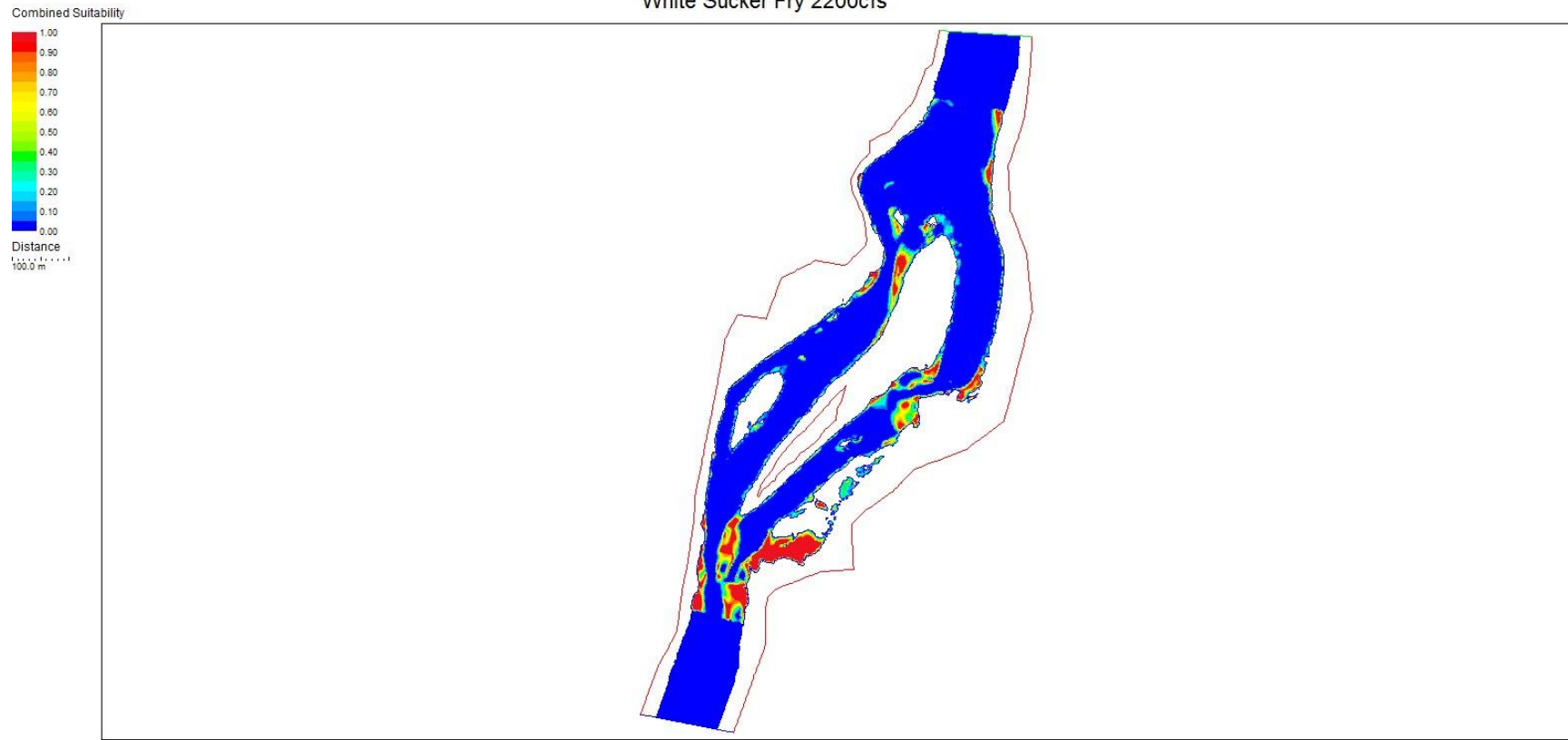
White Sucker Fry 700cfs



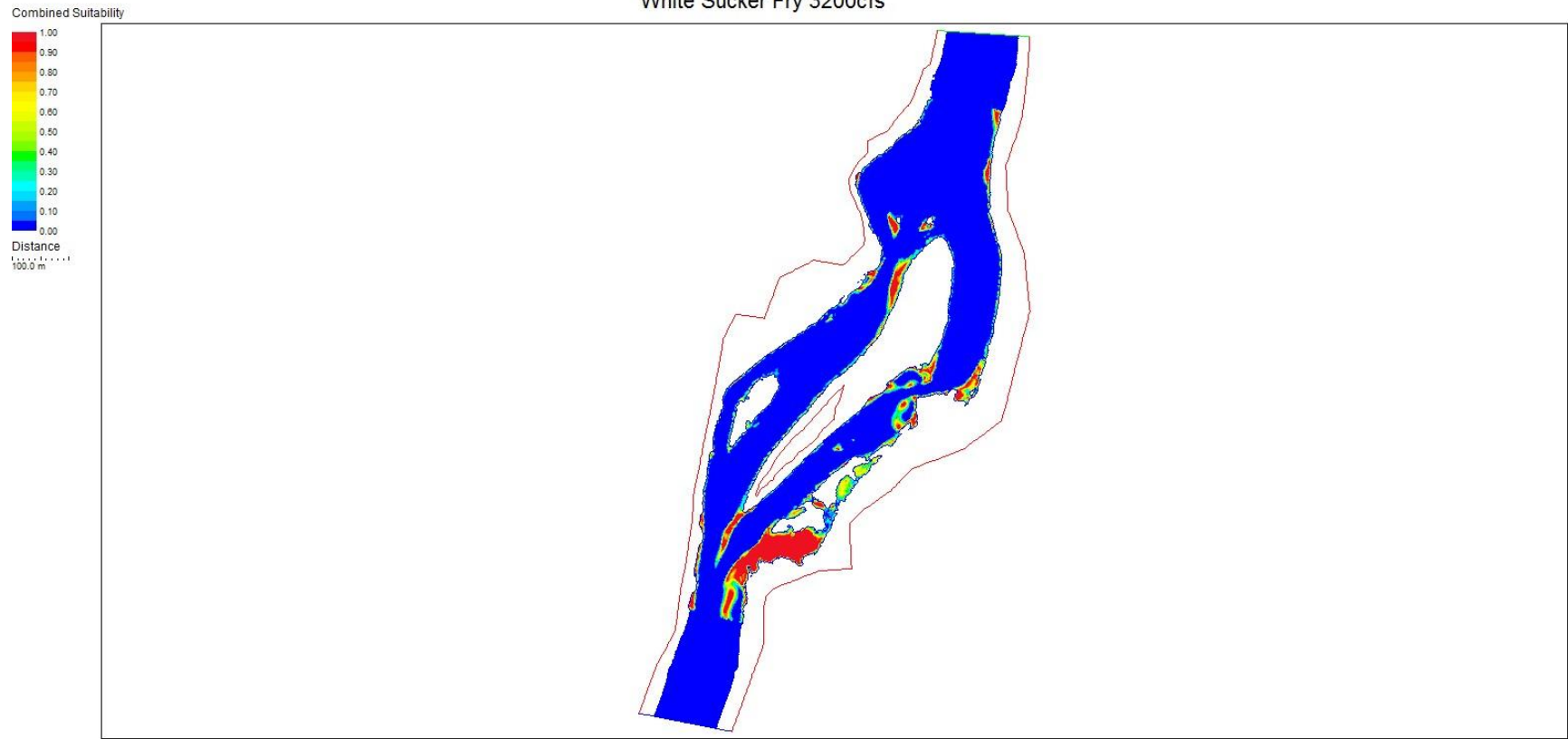
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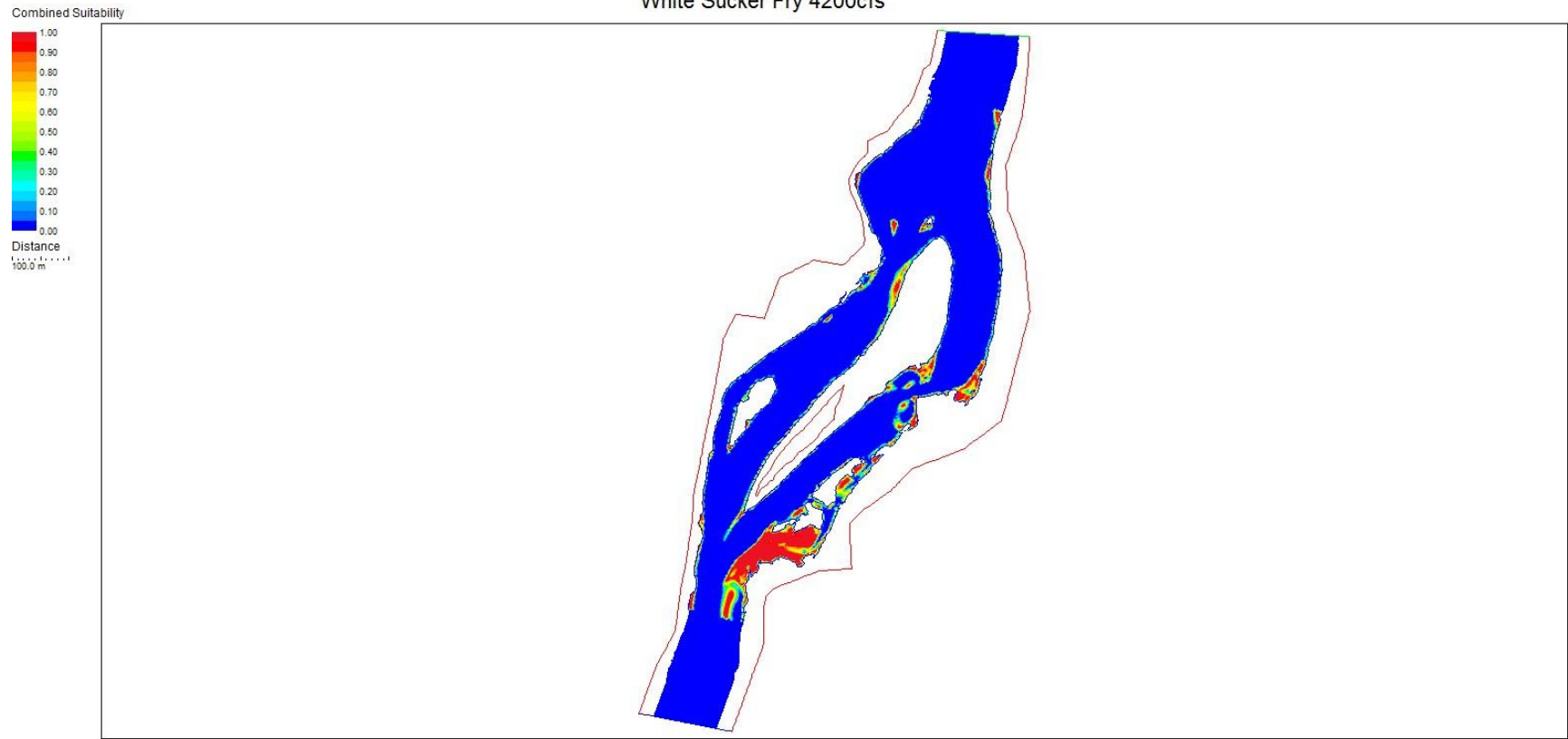
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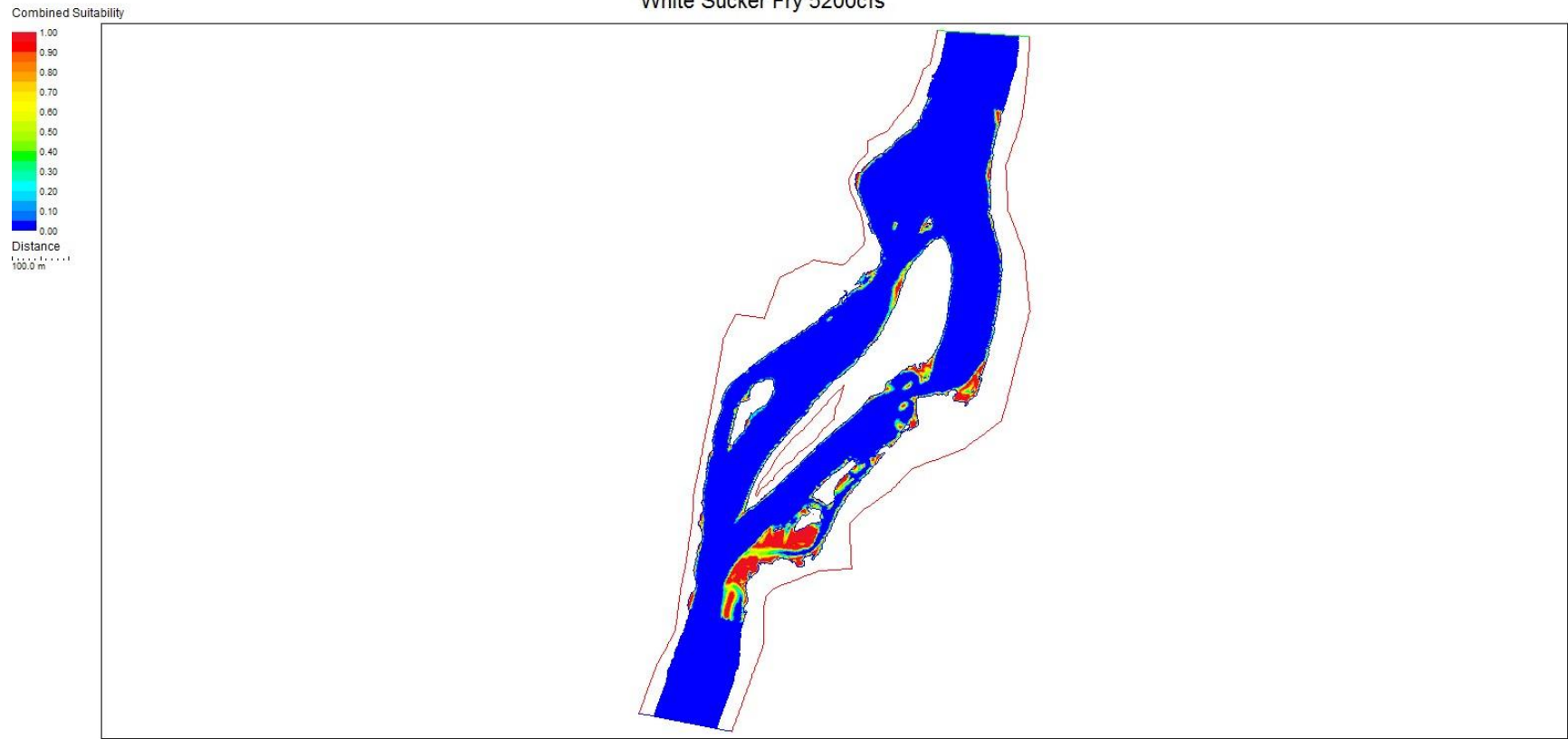
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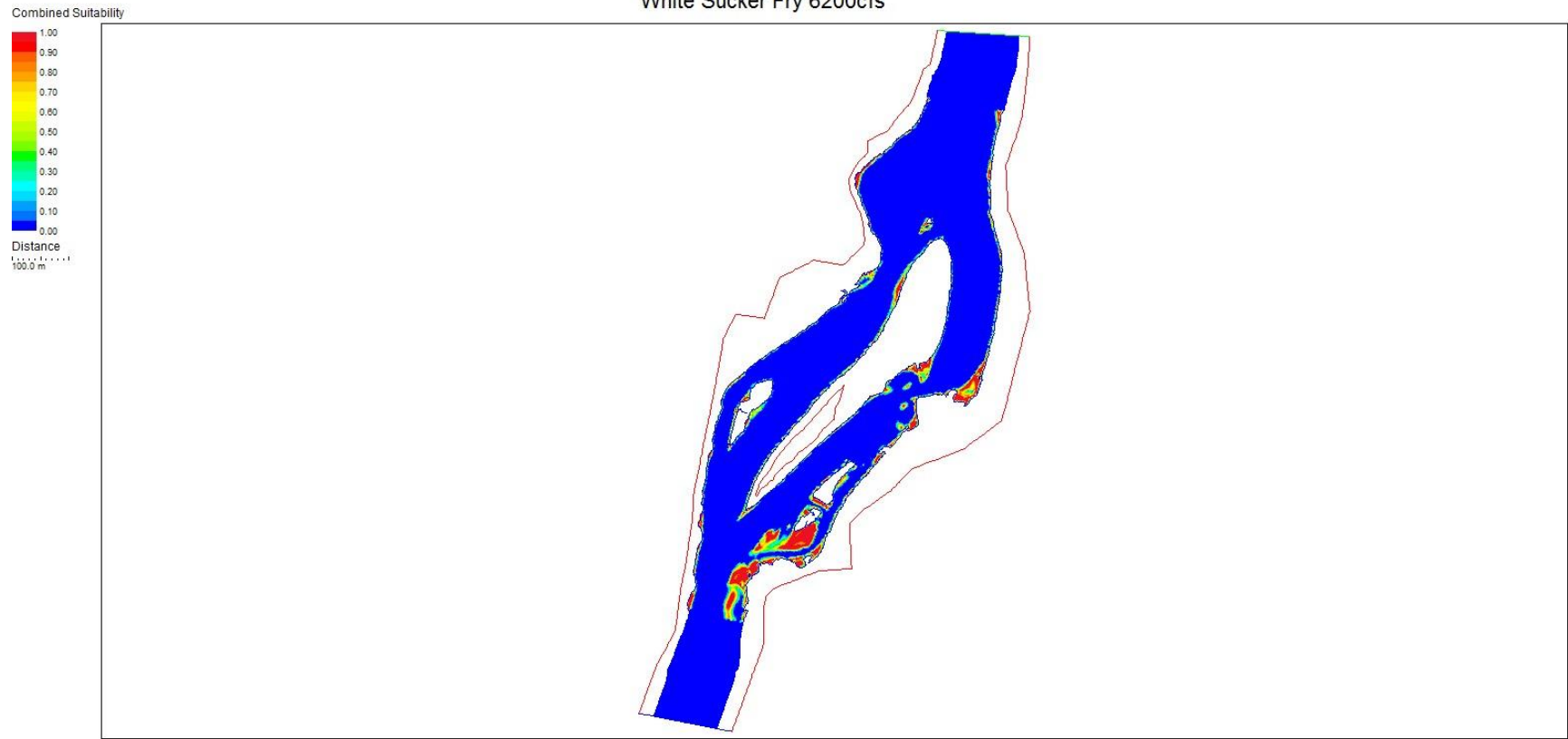
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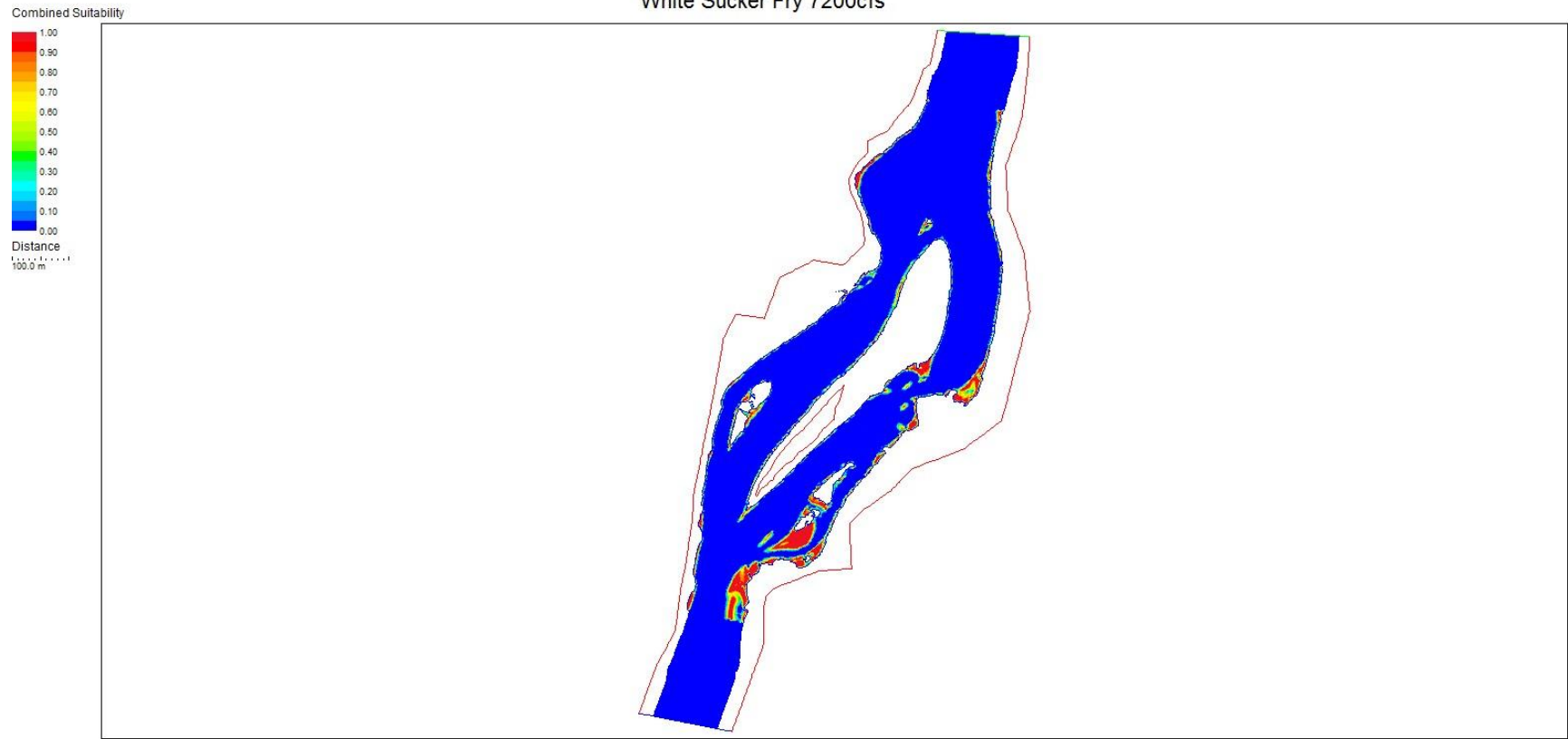
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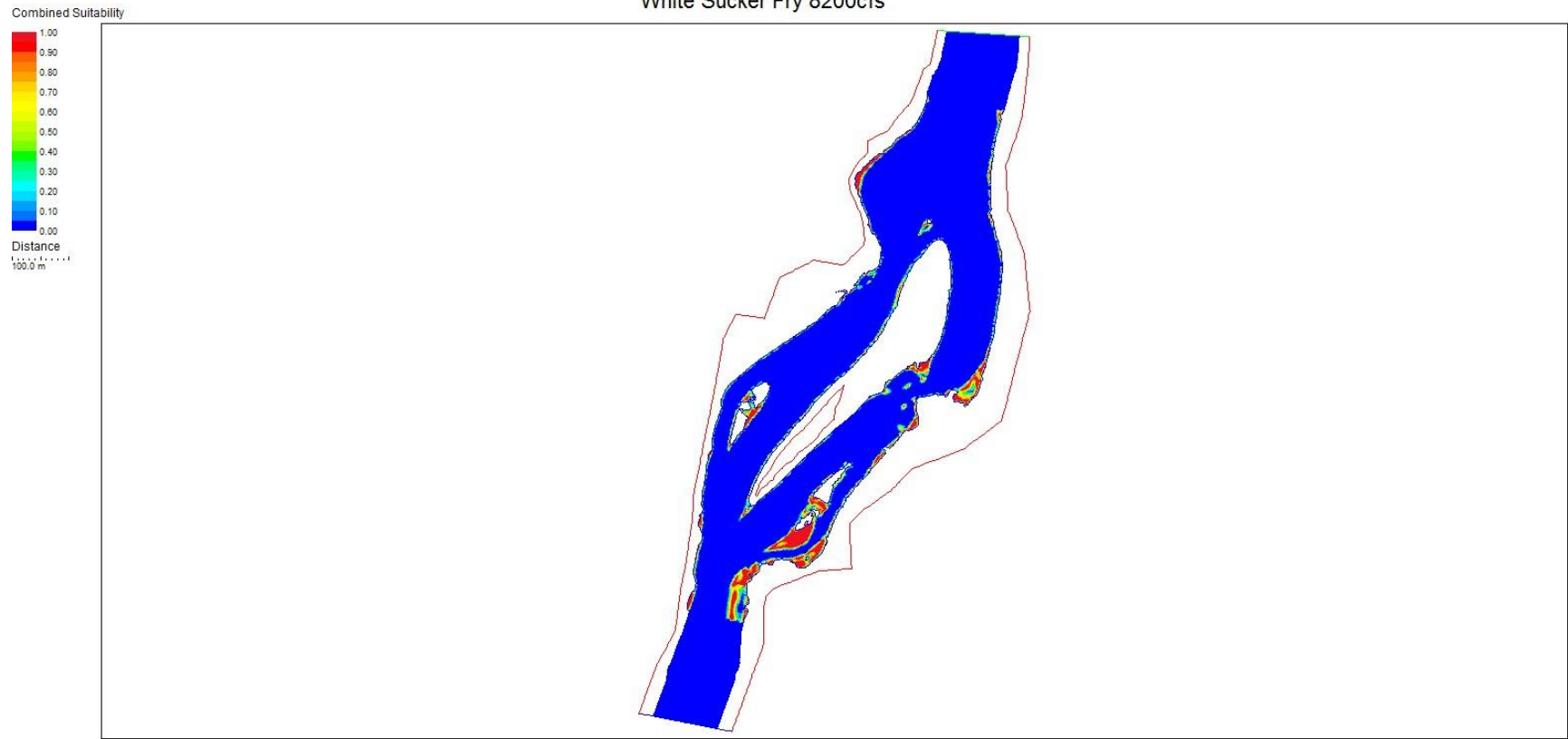
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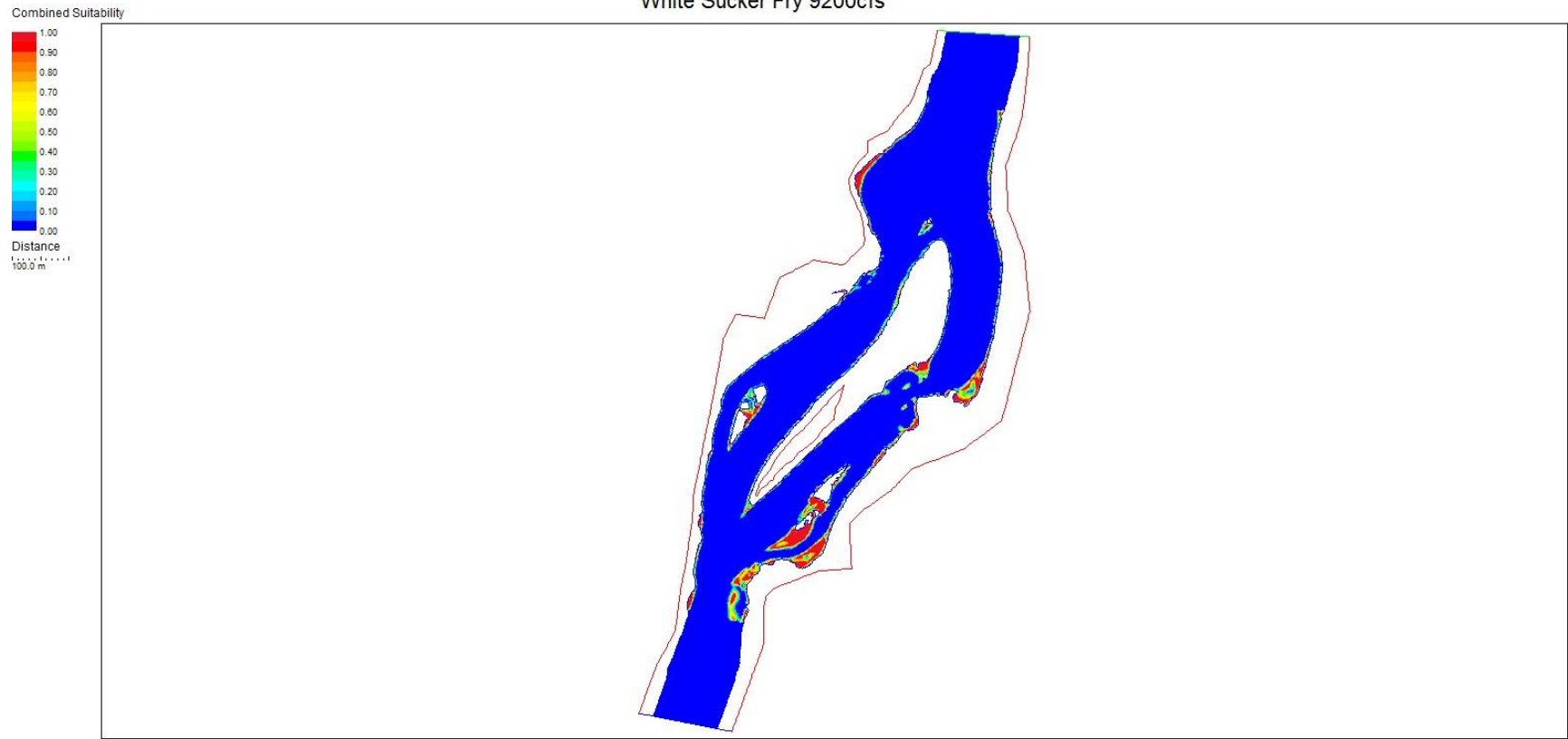
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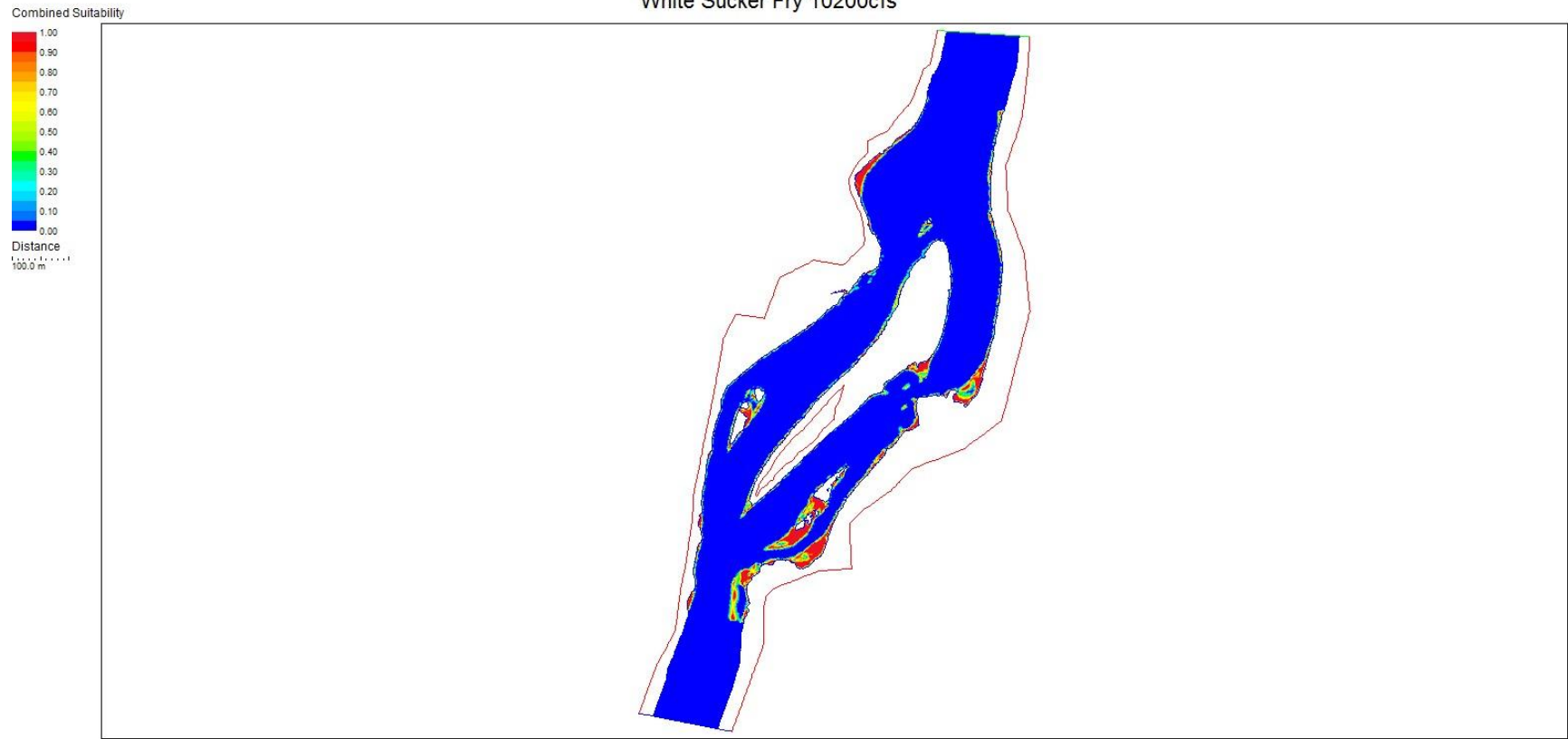
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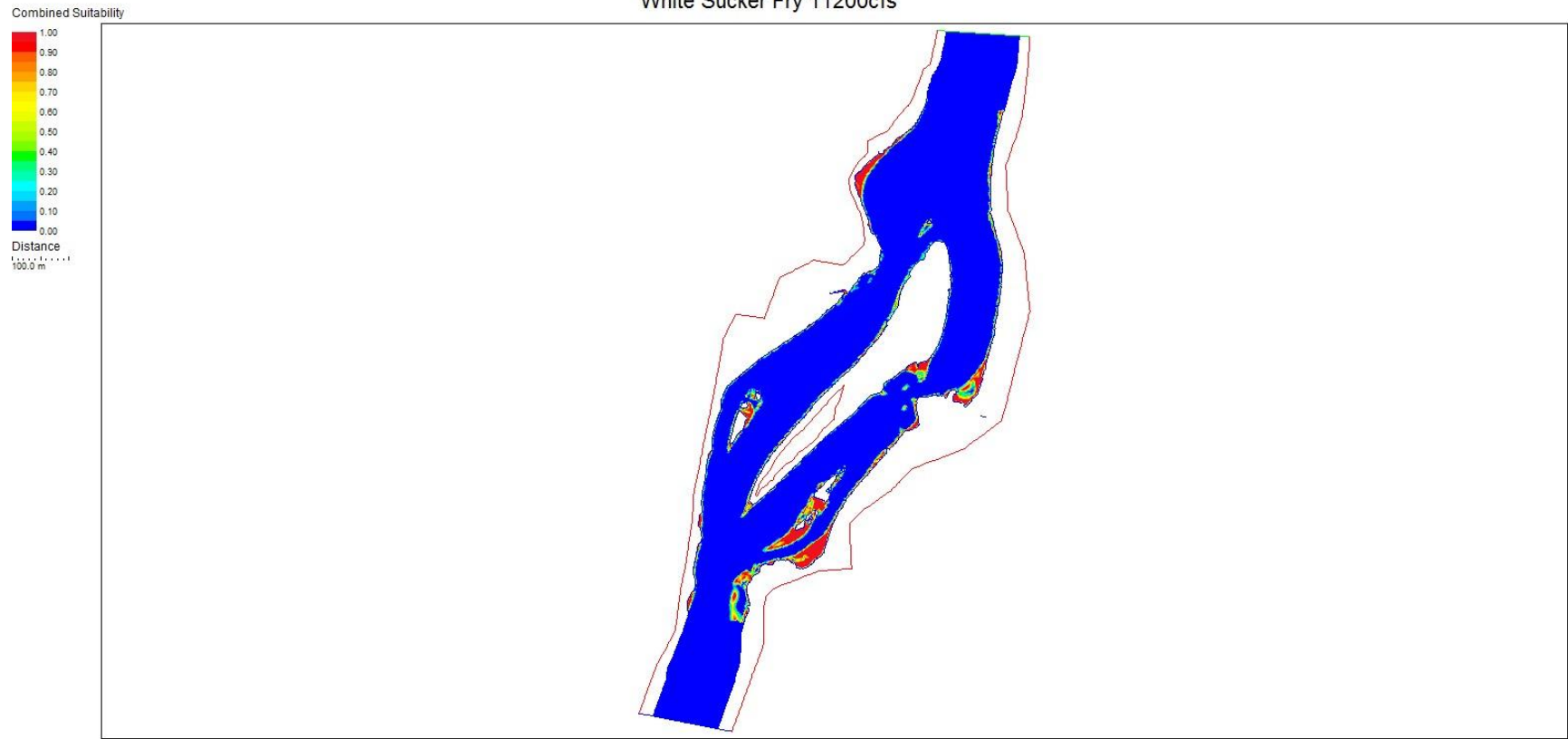
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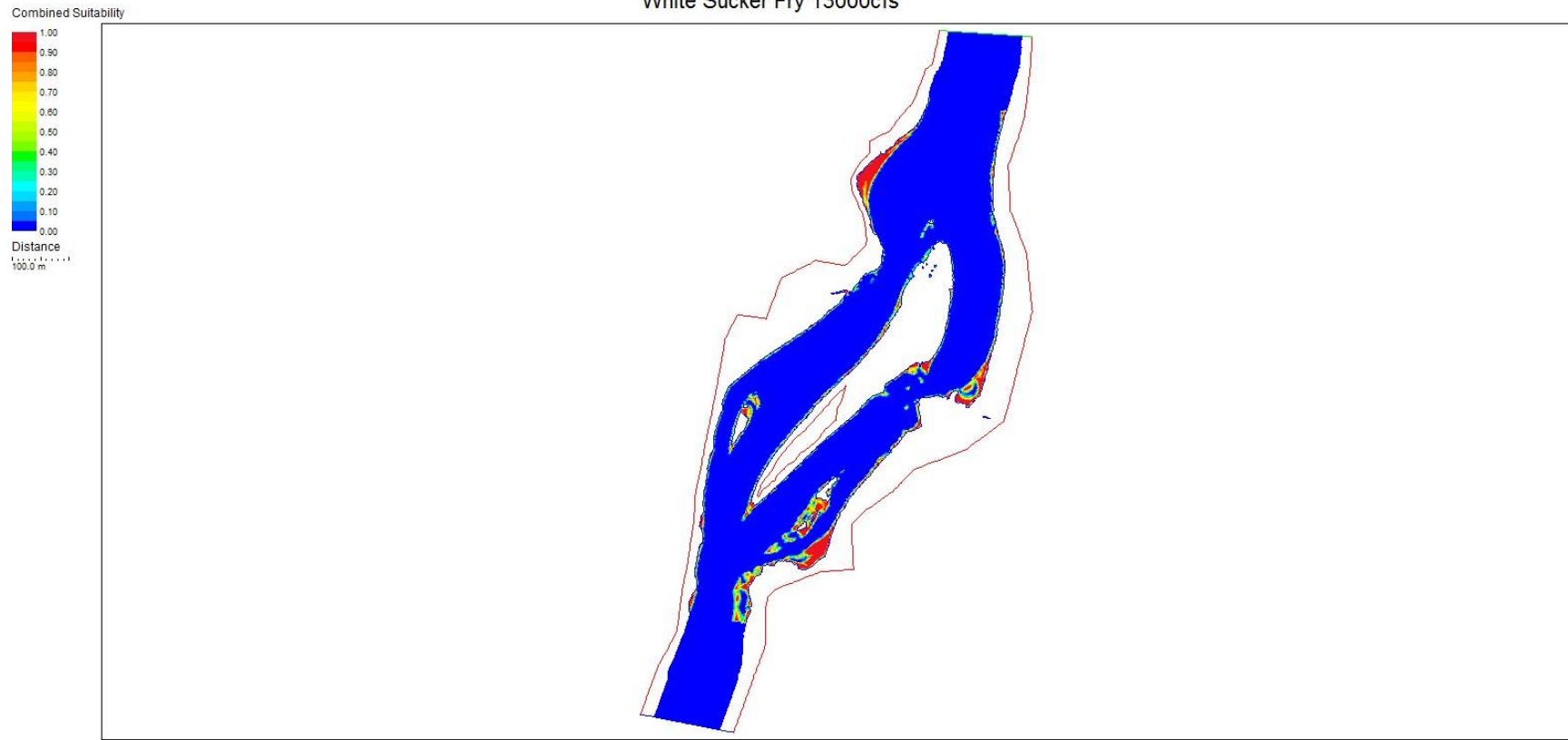
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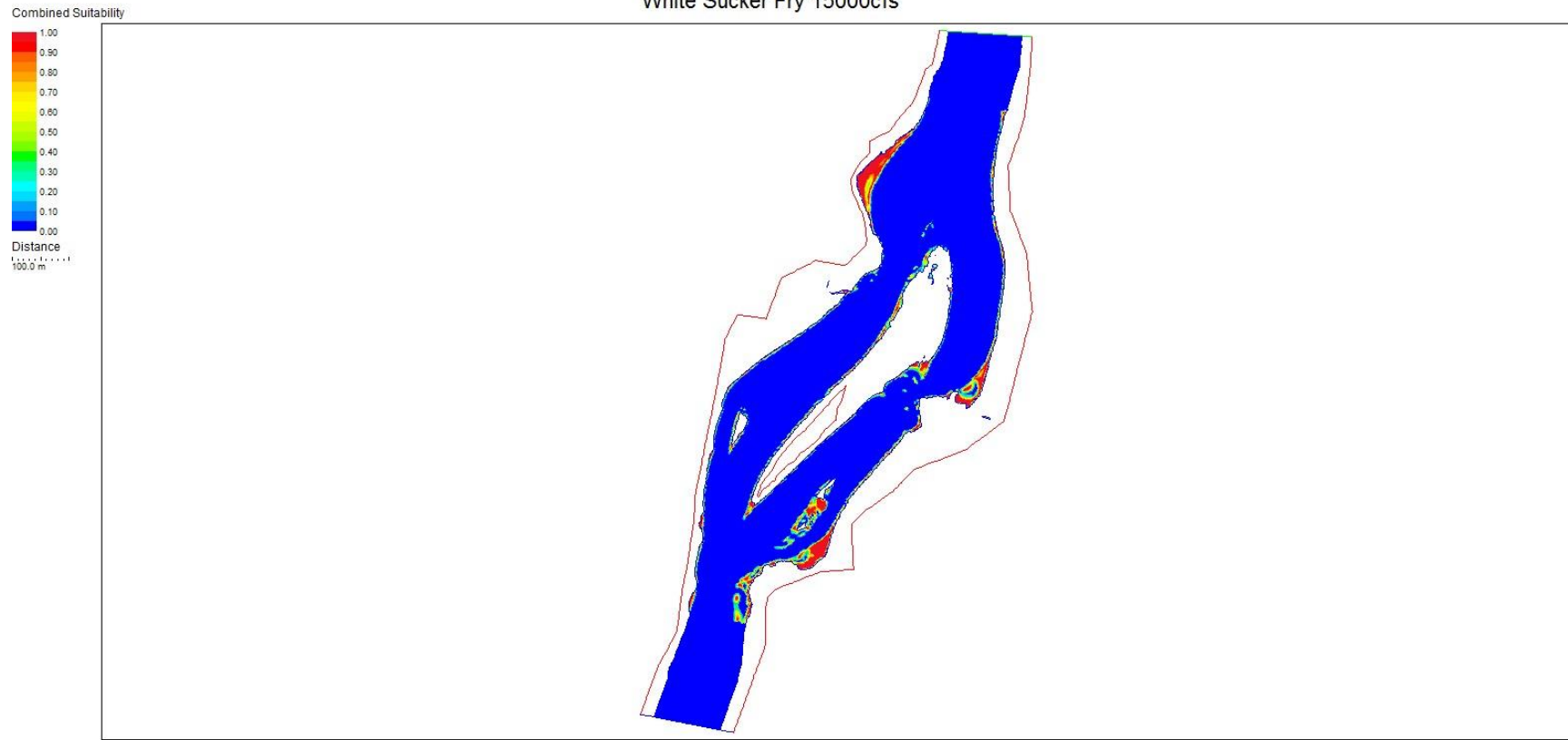
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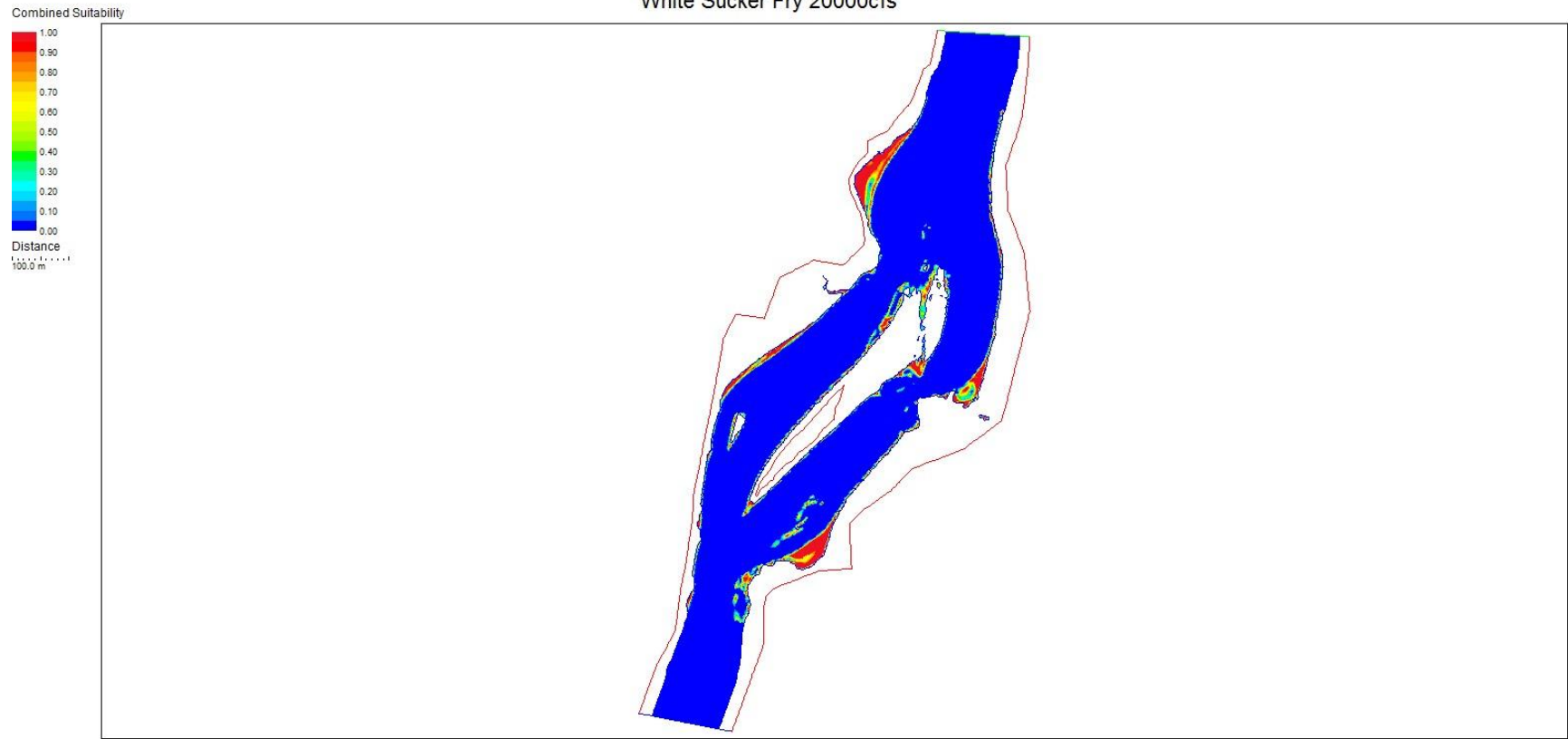
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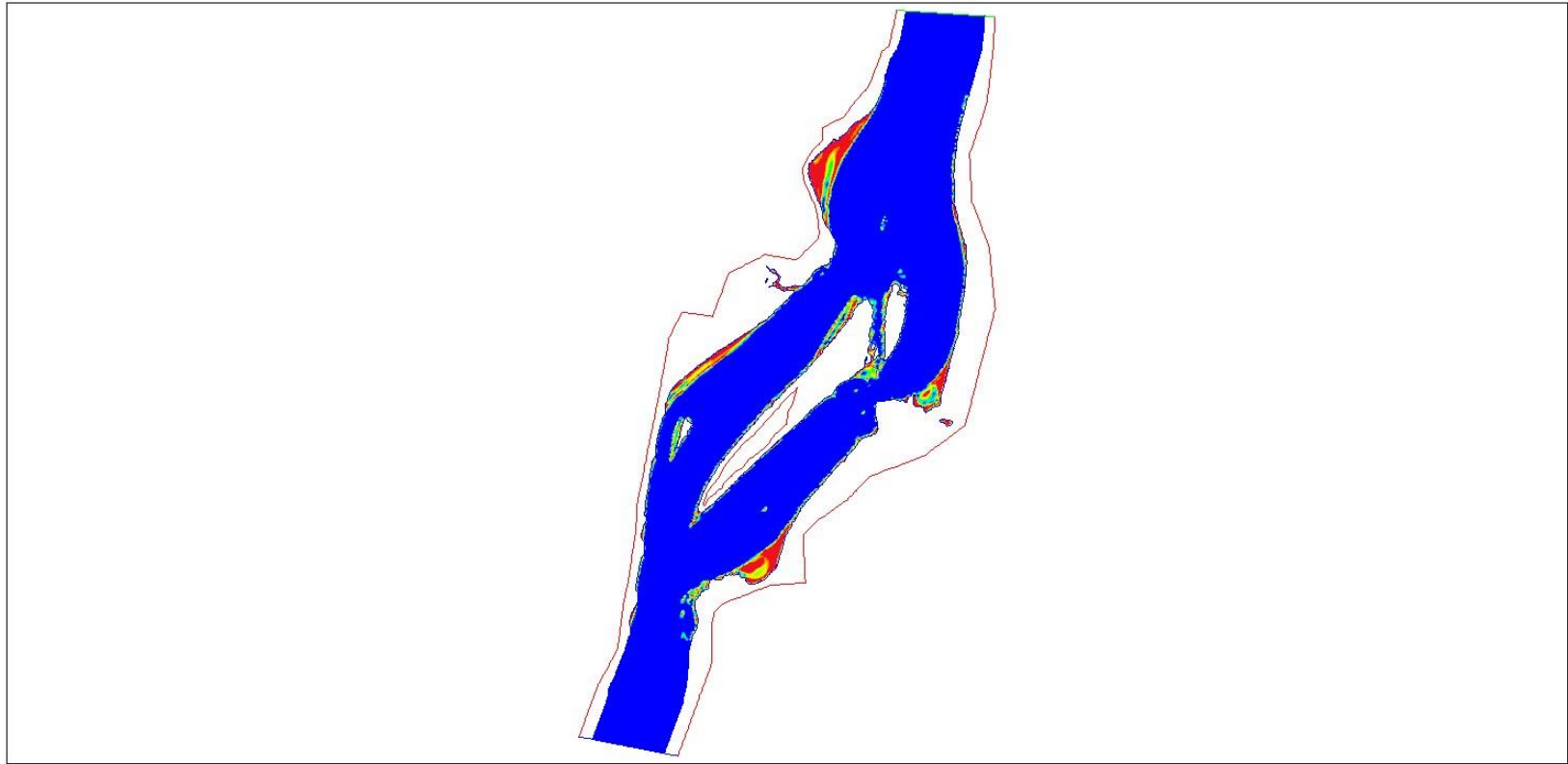
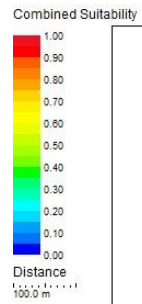
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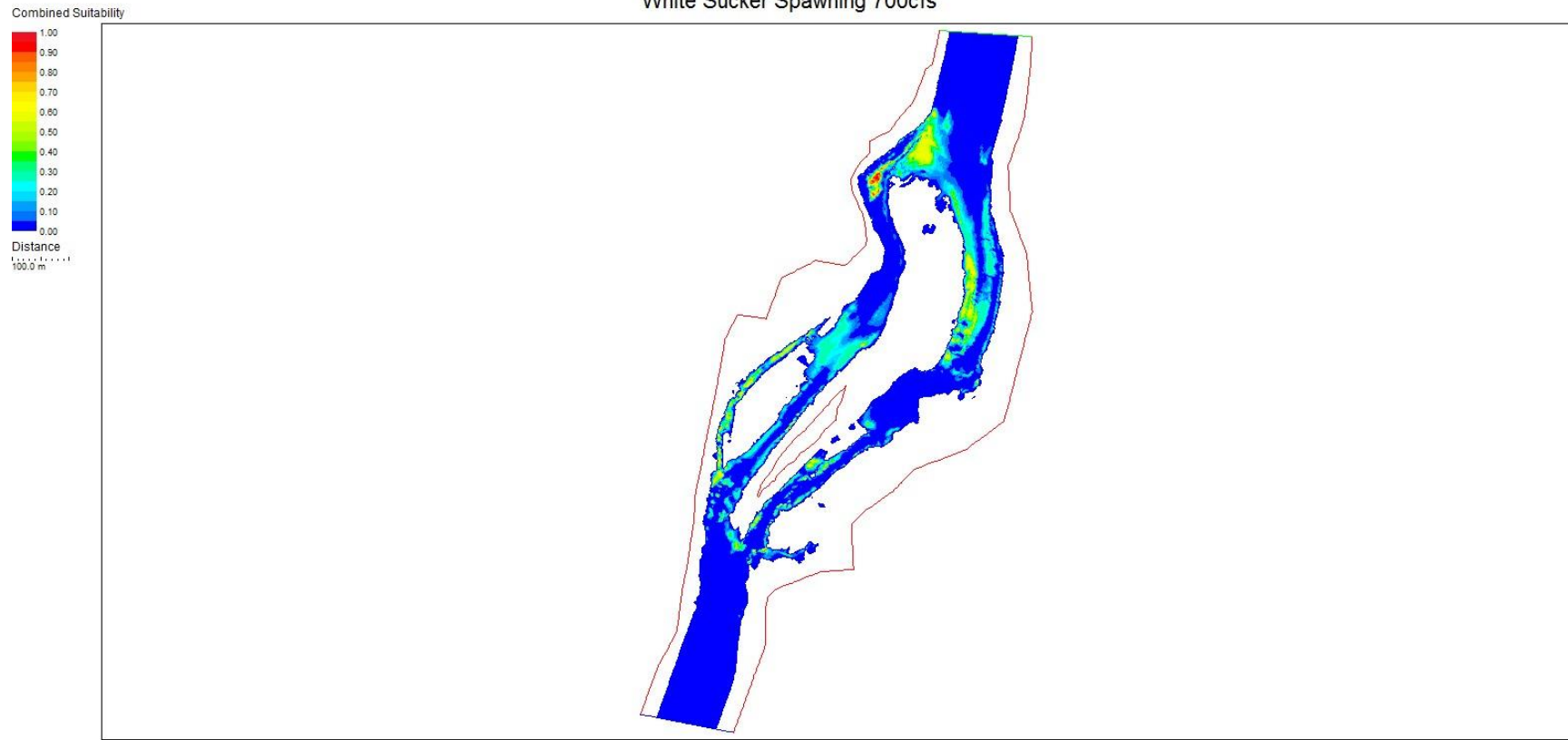
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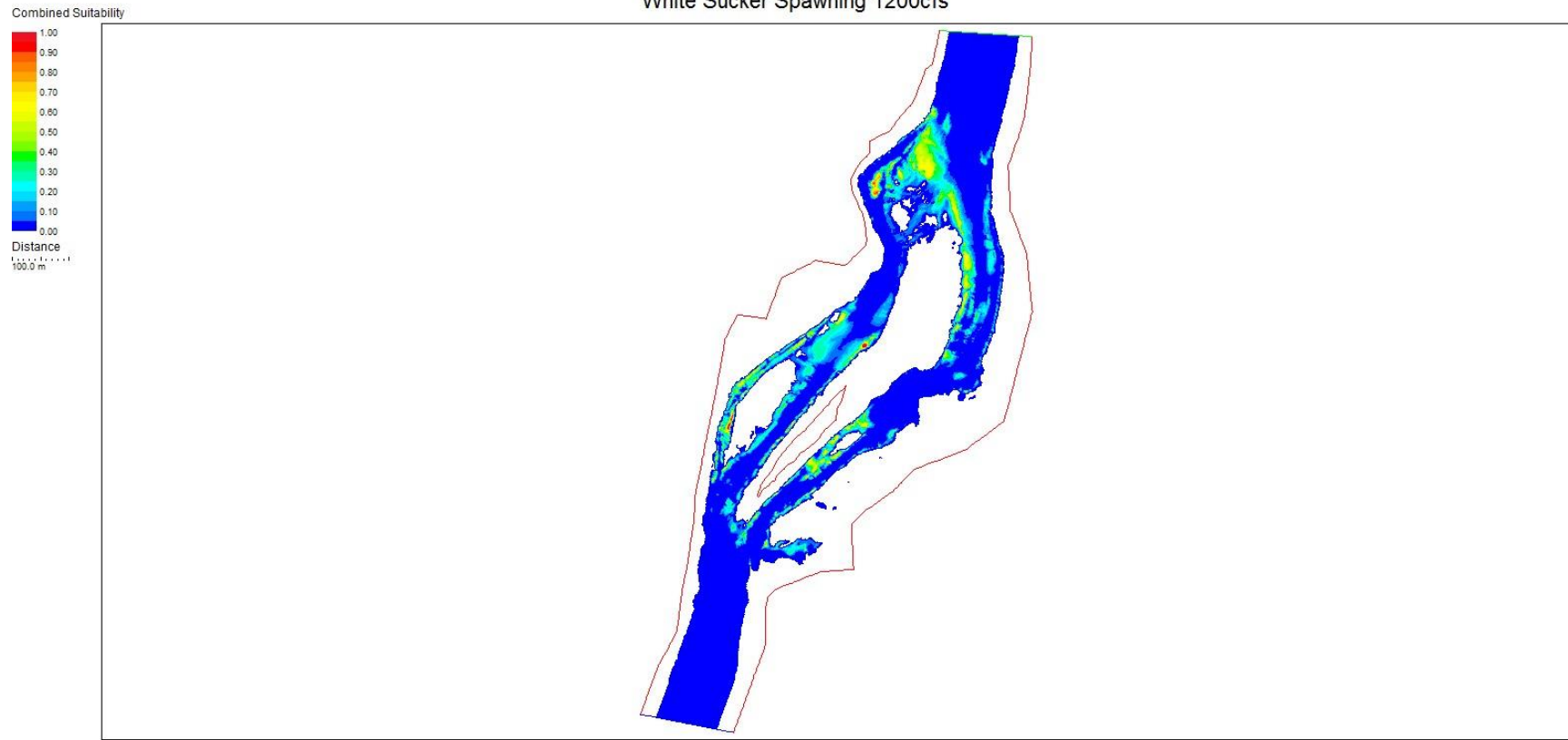
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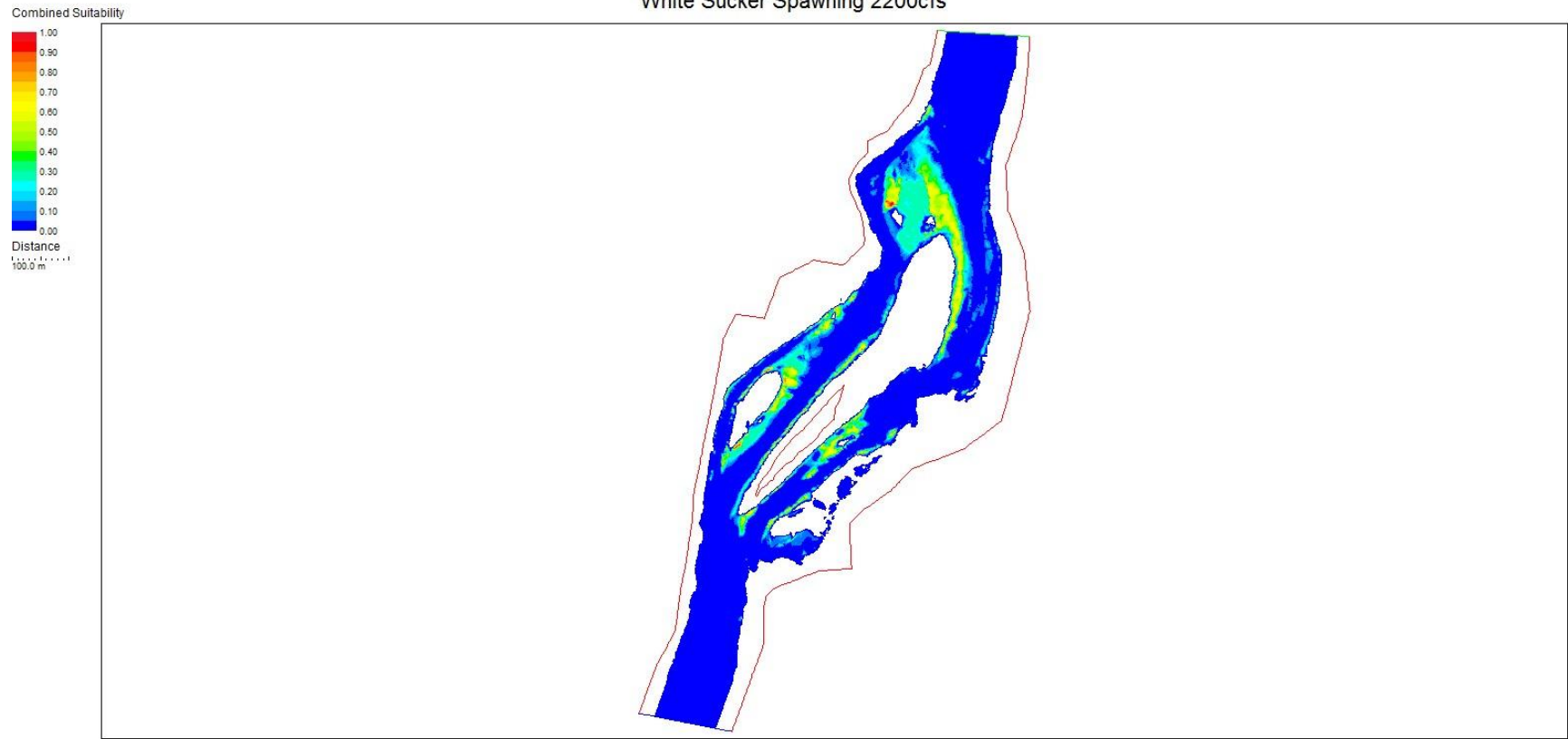
White Sucker Spawning 700cfs



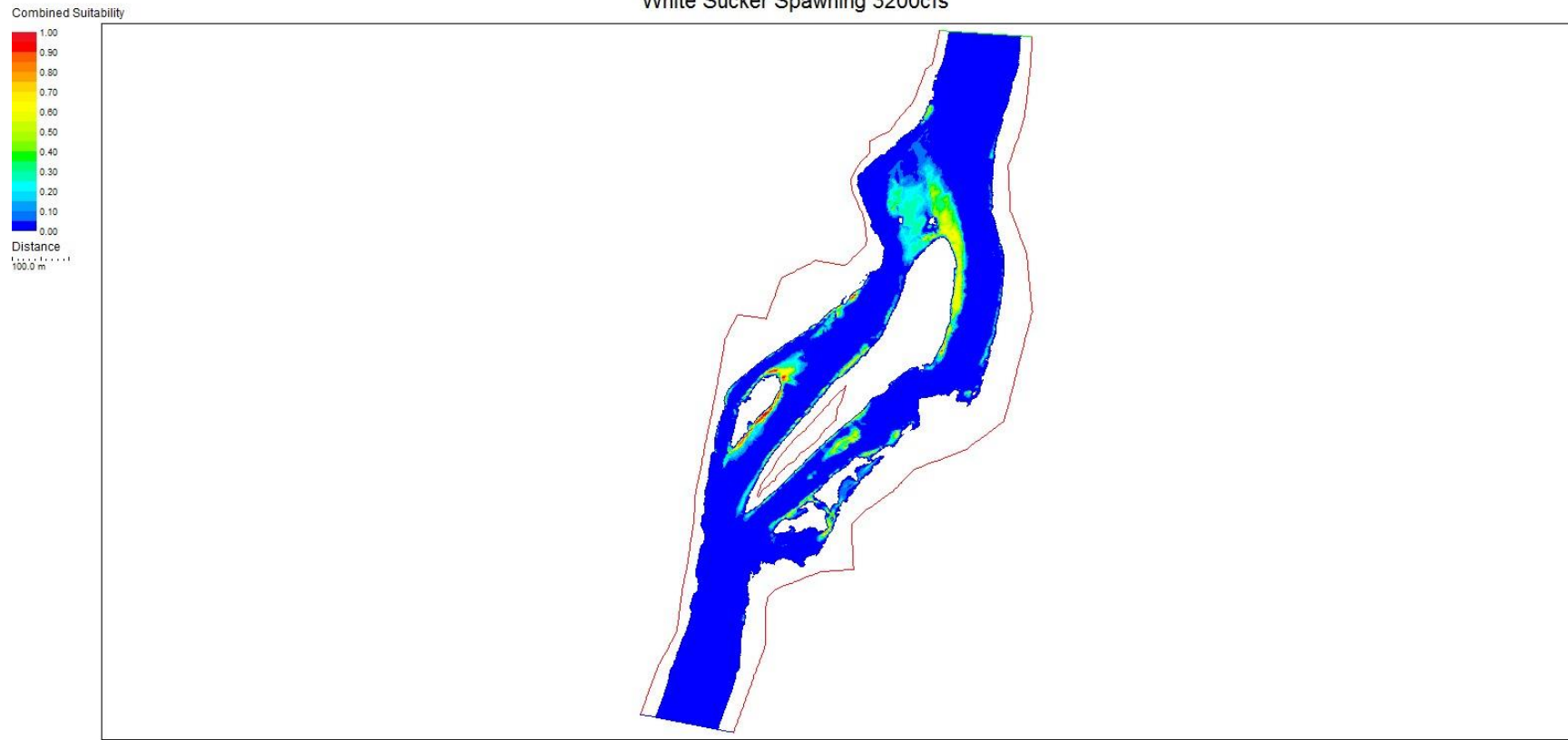
White Sucker Spawning 1200cfs



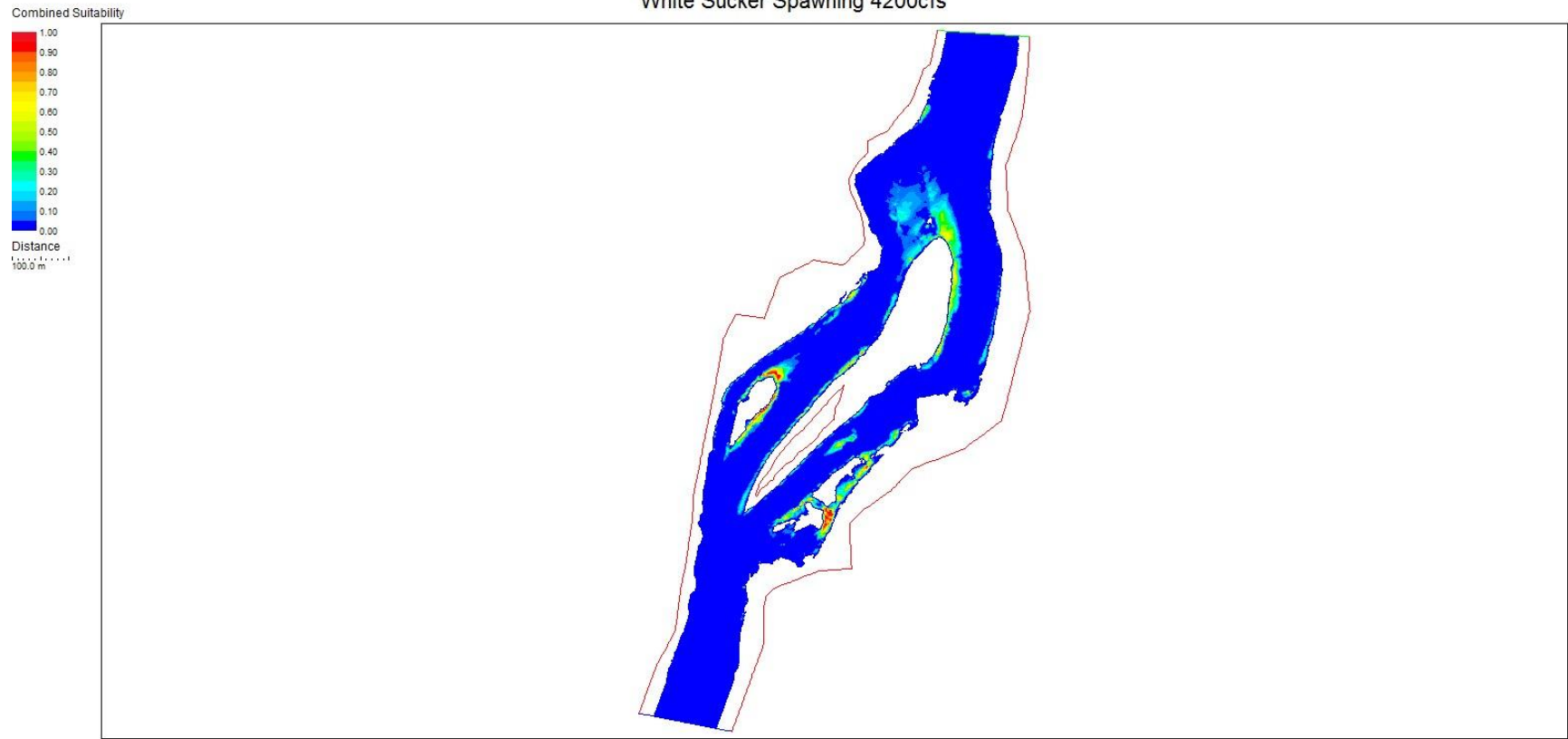
White Sucker Spawning 2200cfs



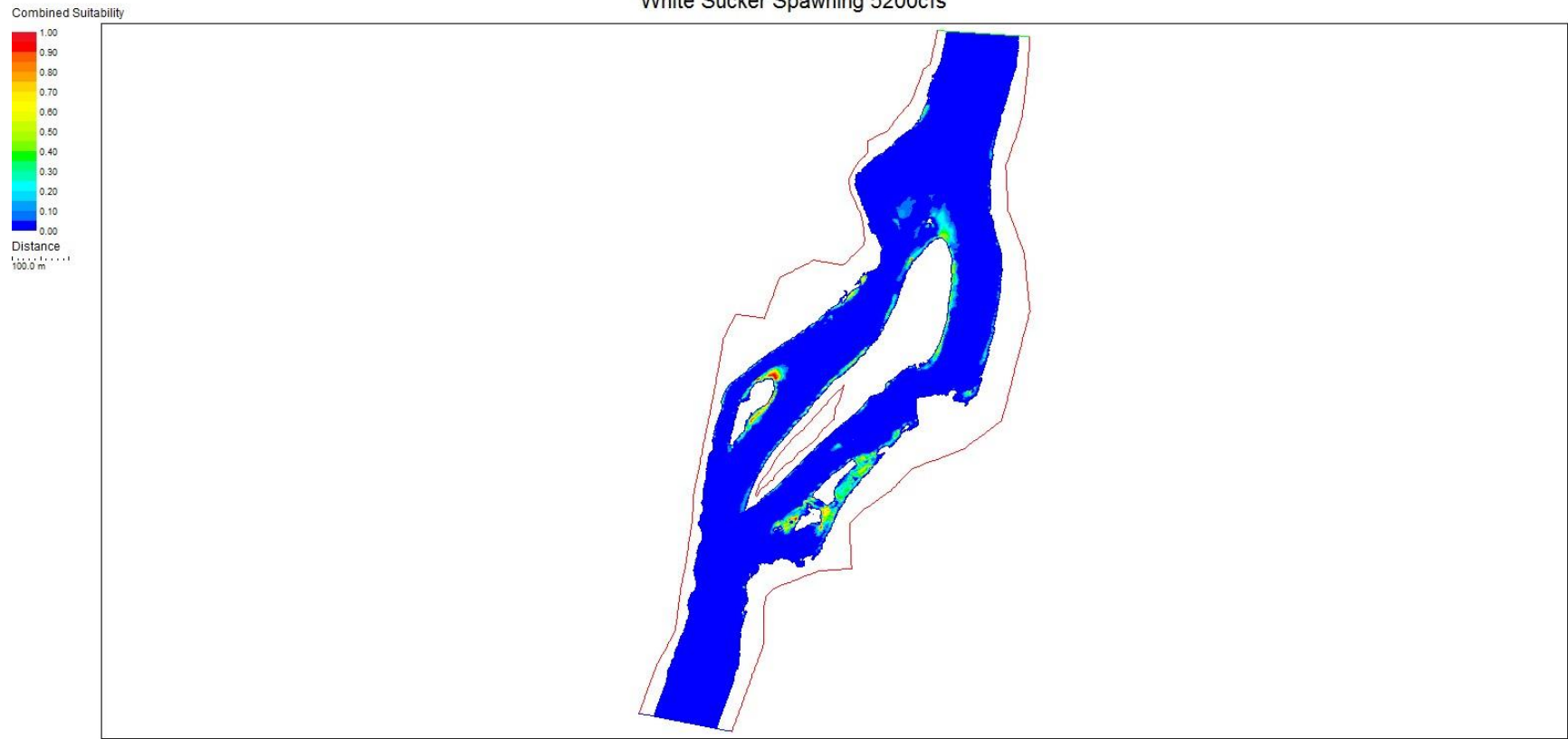
White Sucker Spawning 3200cfs



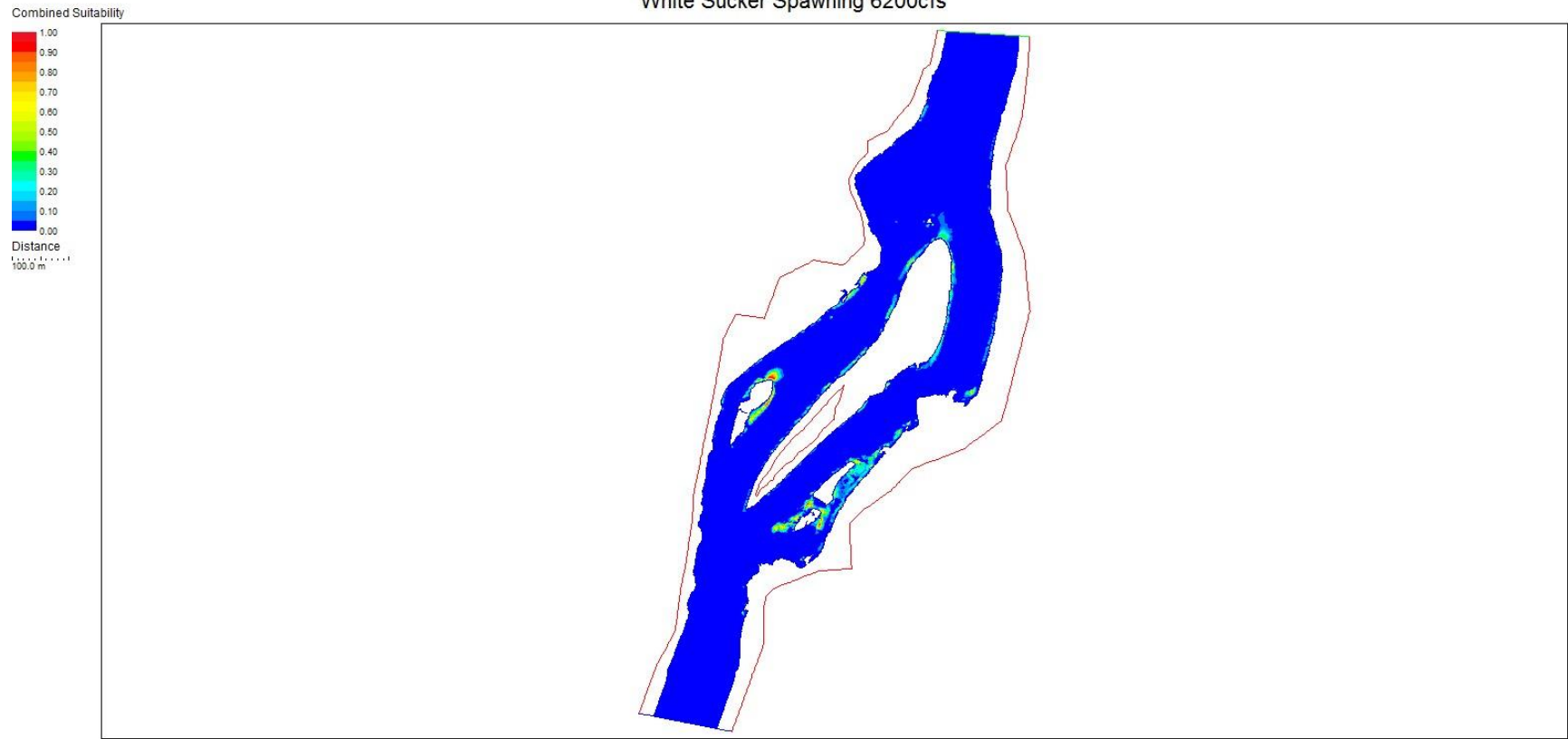
White Sucker Spawning 4200cfs



White Sucker Spawning 5200cfs

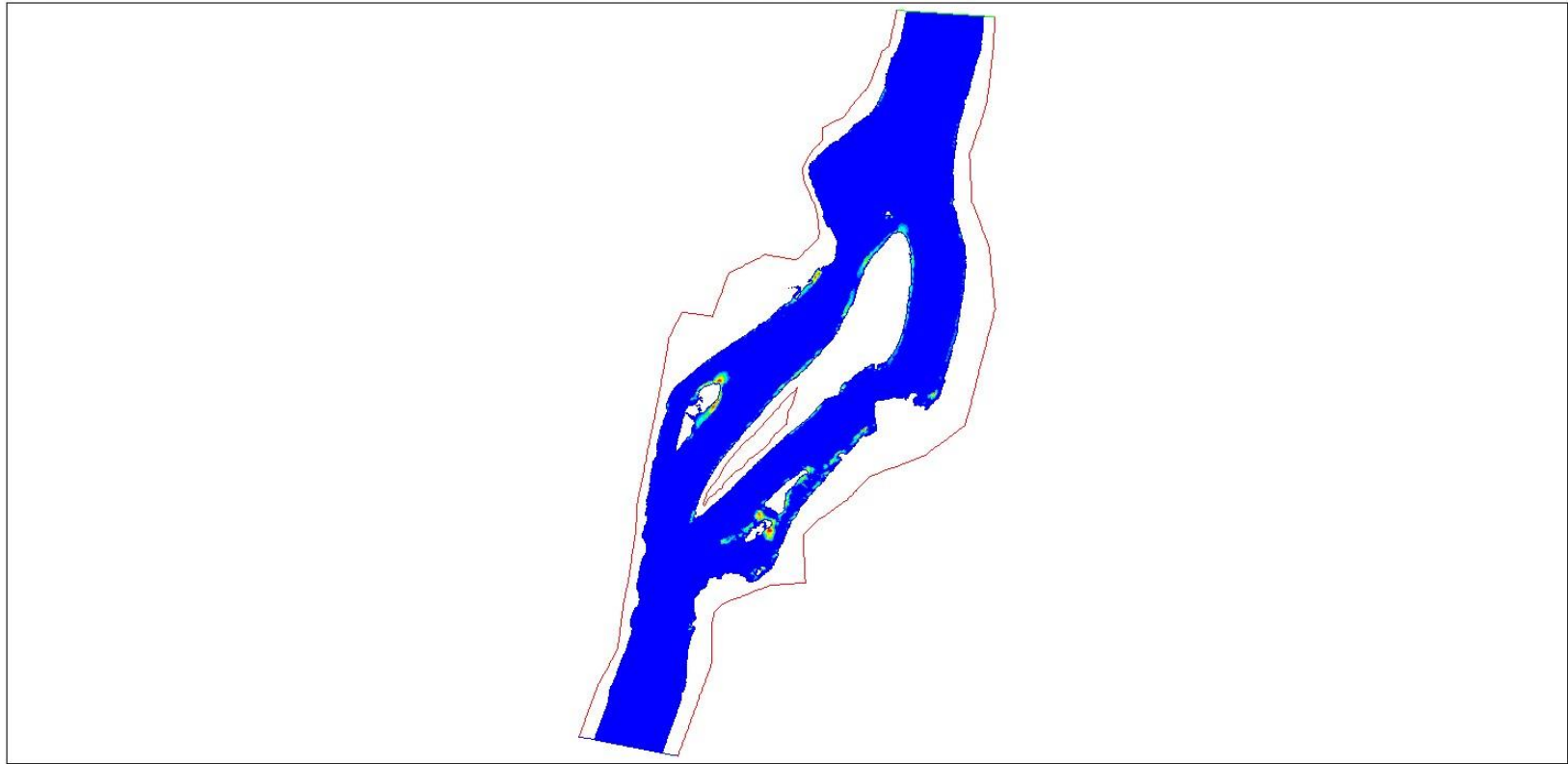
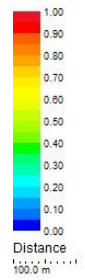


White Sucker Spawning 6200cfs

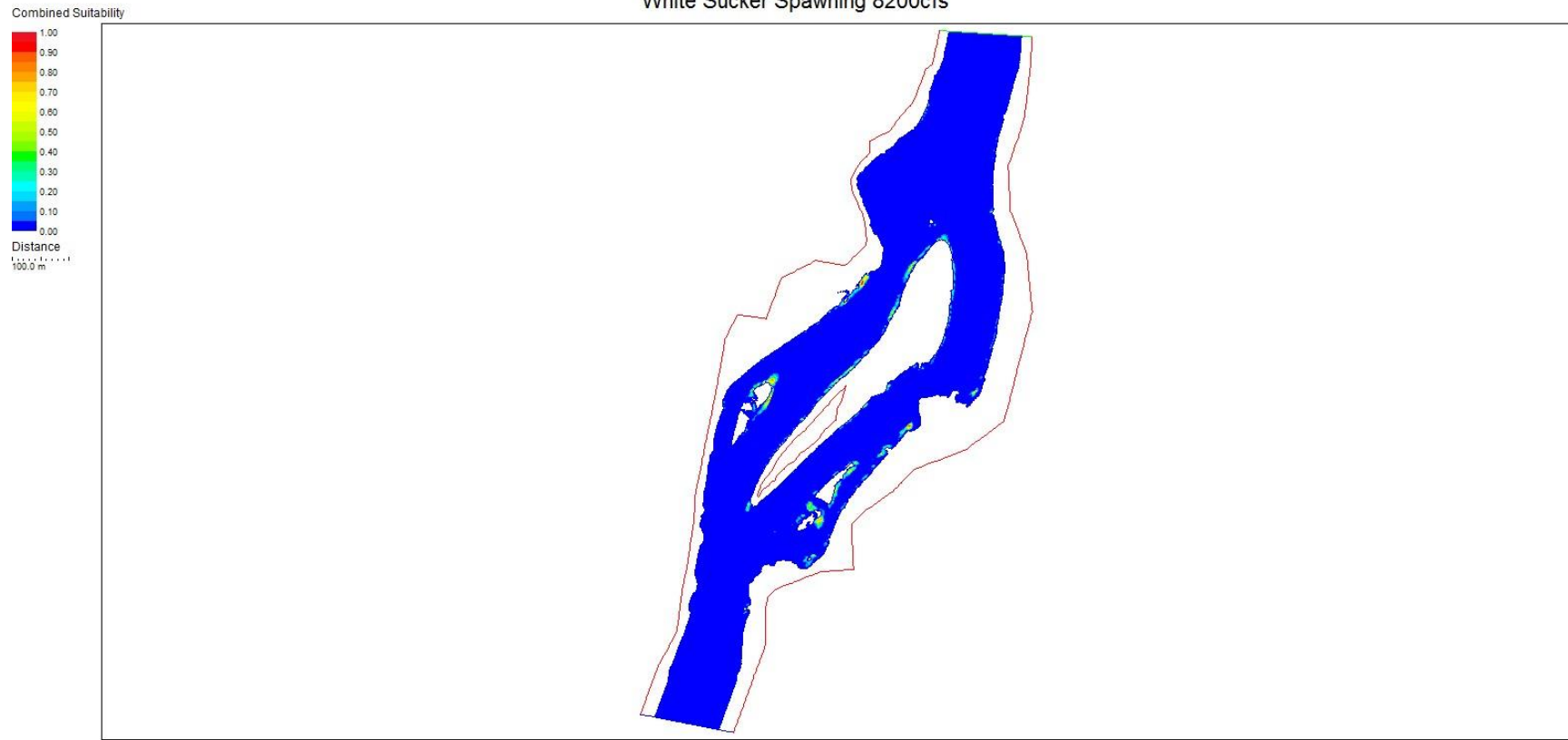


White Sucker Spawning 7200cfs

Combined Suitability

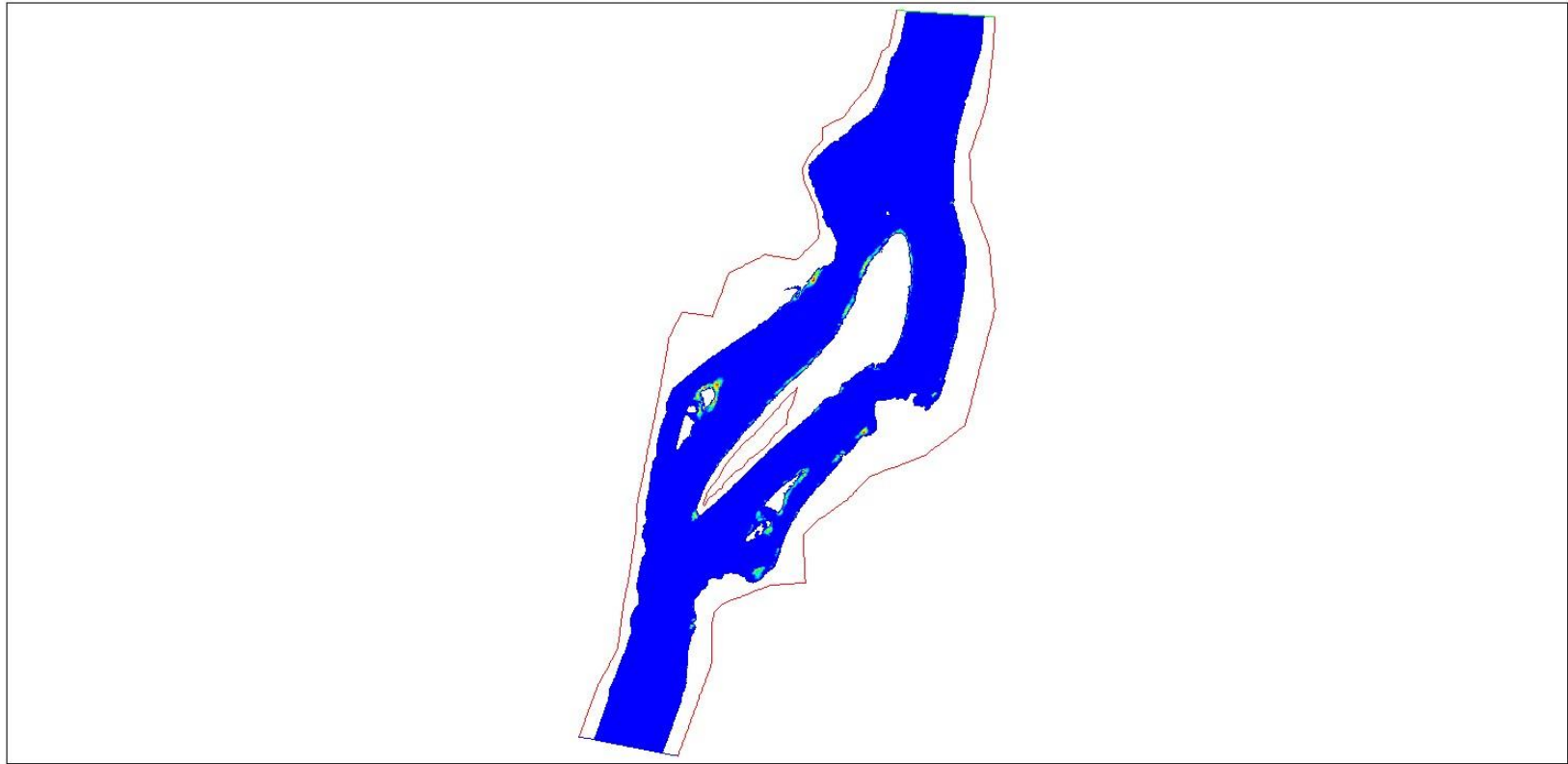
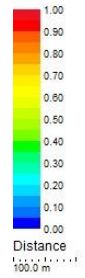


White Sucker Spawning 8200cfs

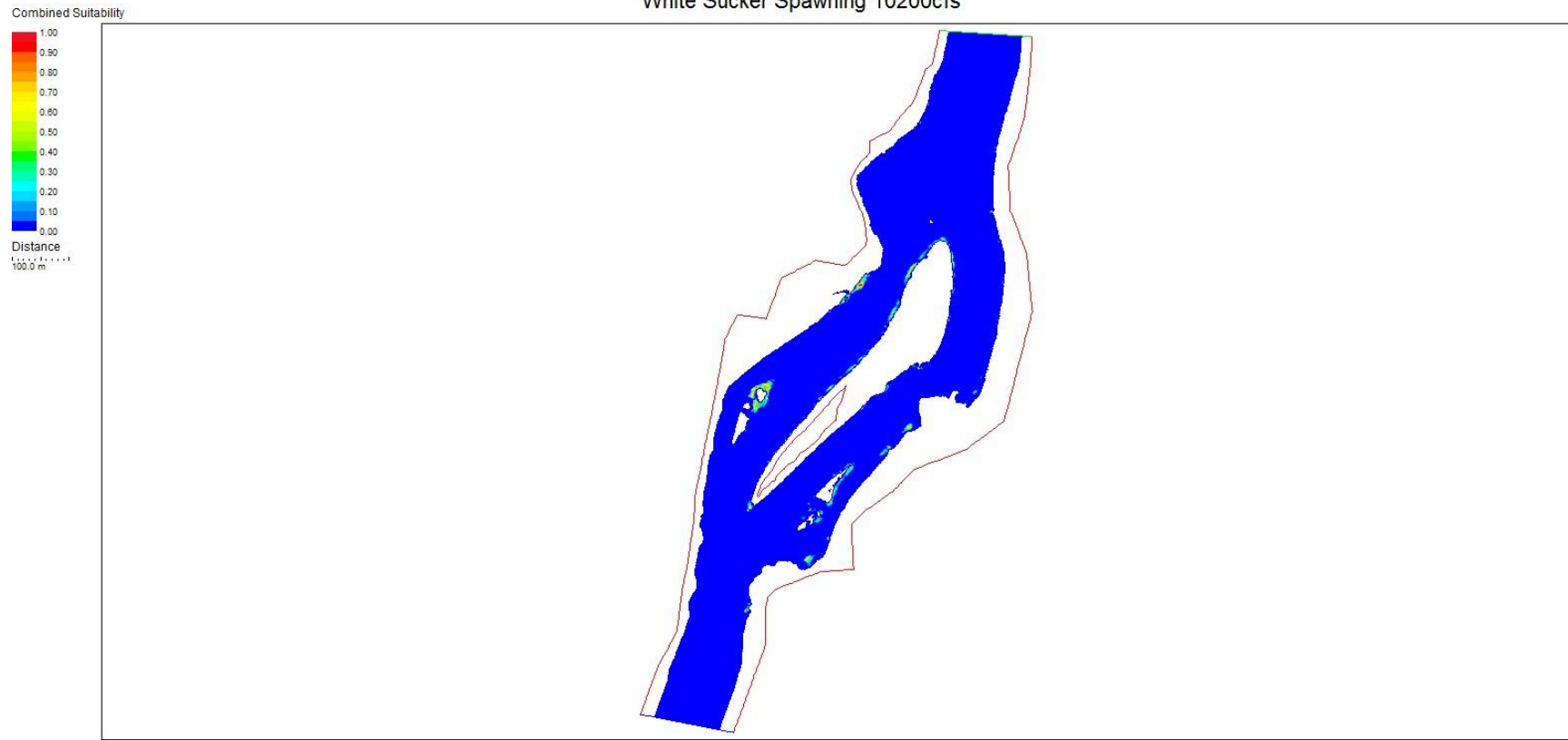


White Sucker Spawning 9200cfs

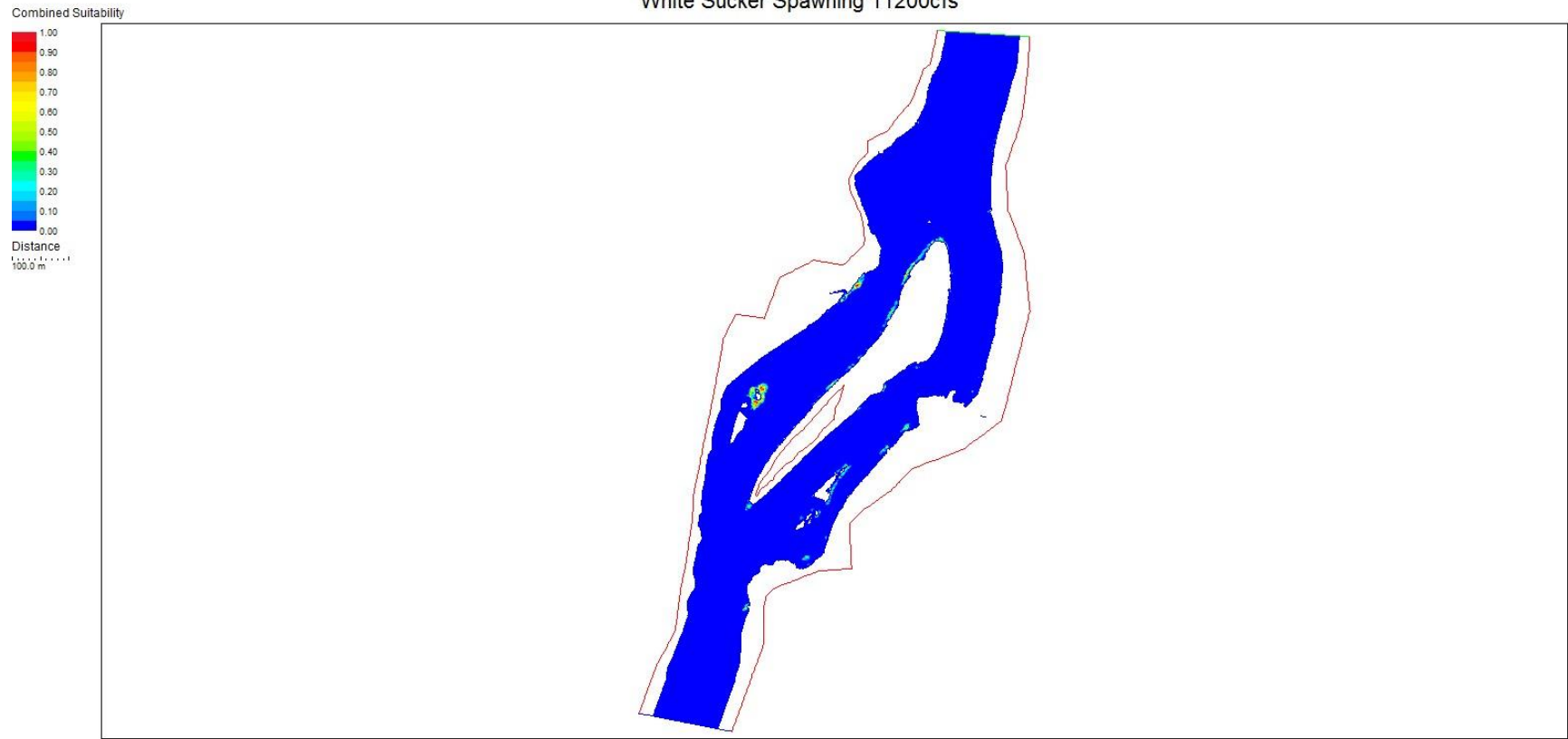
Combined Suitability



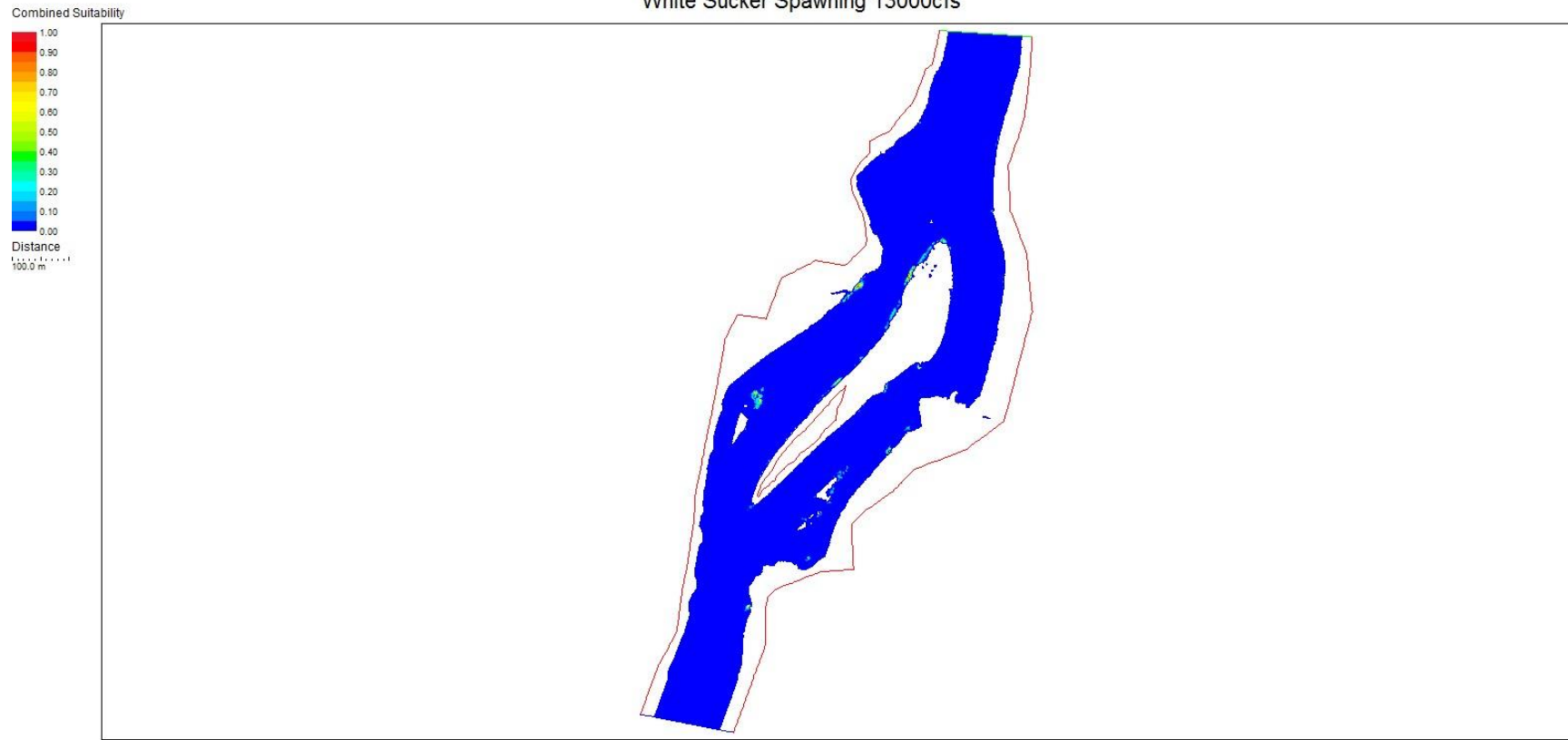
White Sucker Spawning 10200cfs



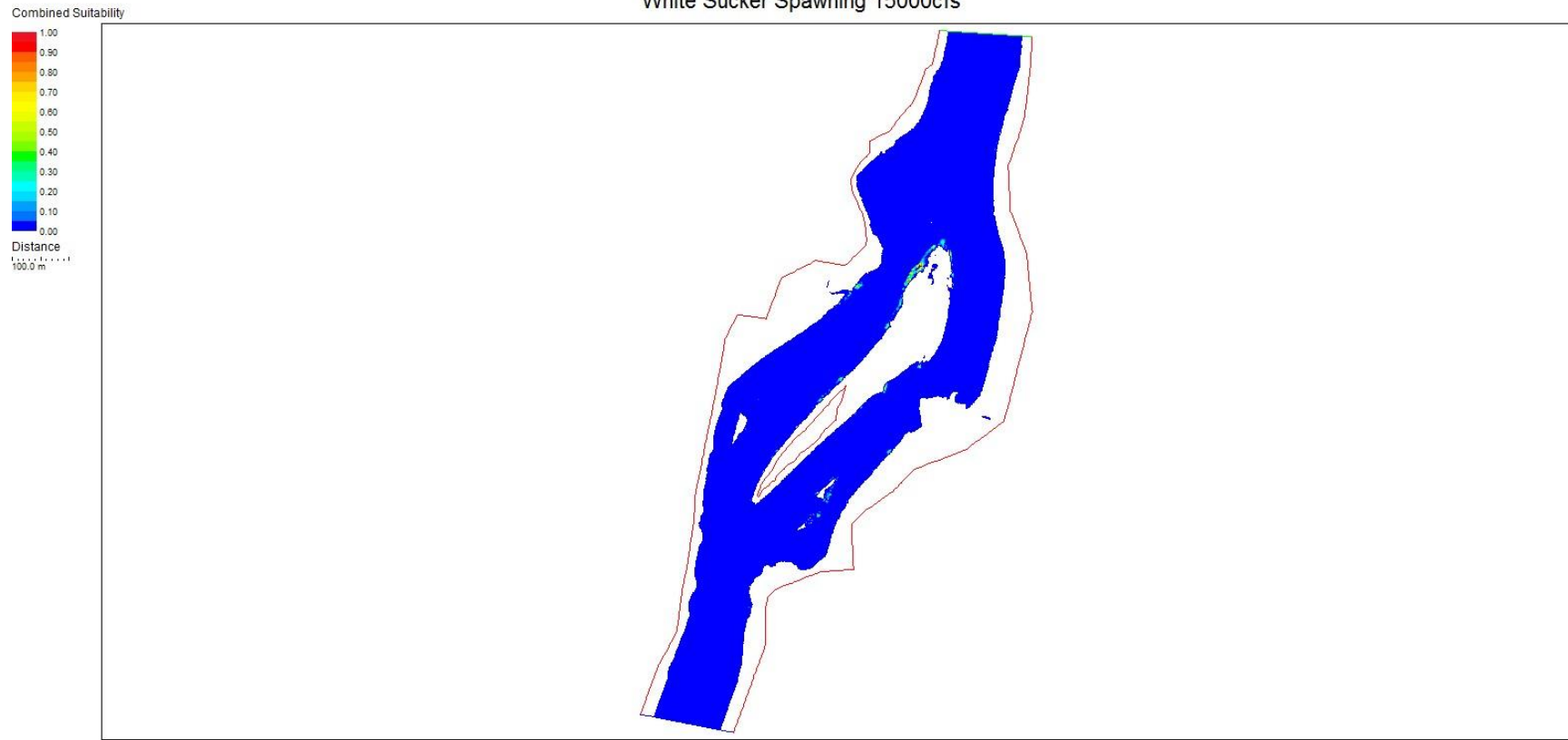
White Sucker Spawning 11200cfs



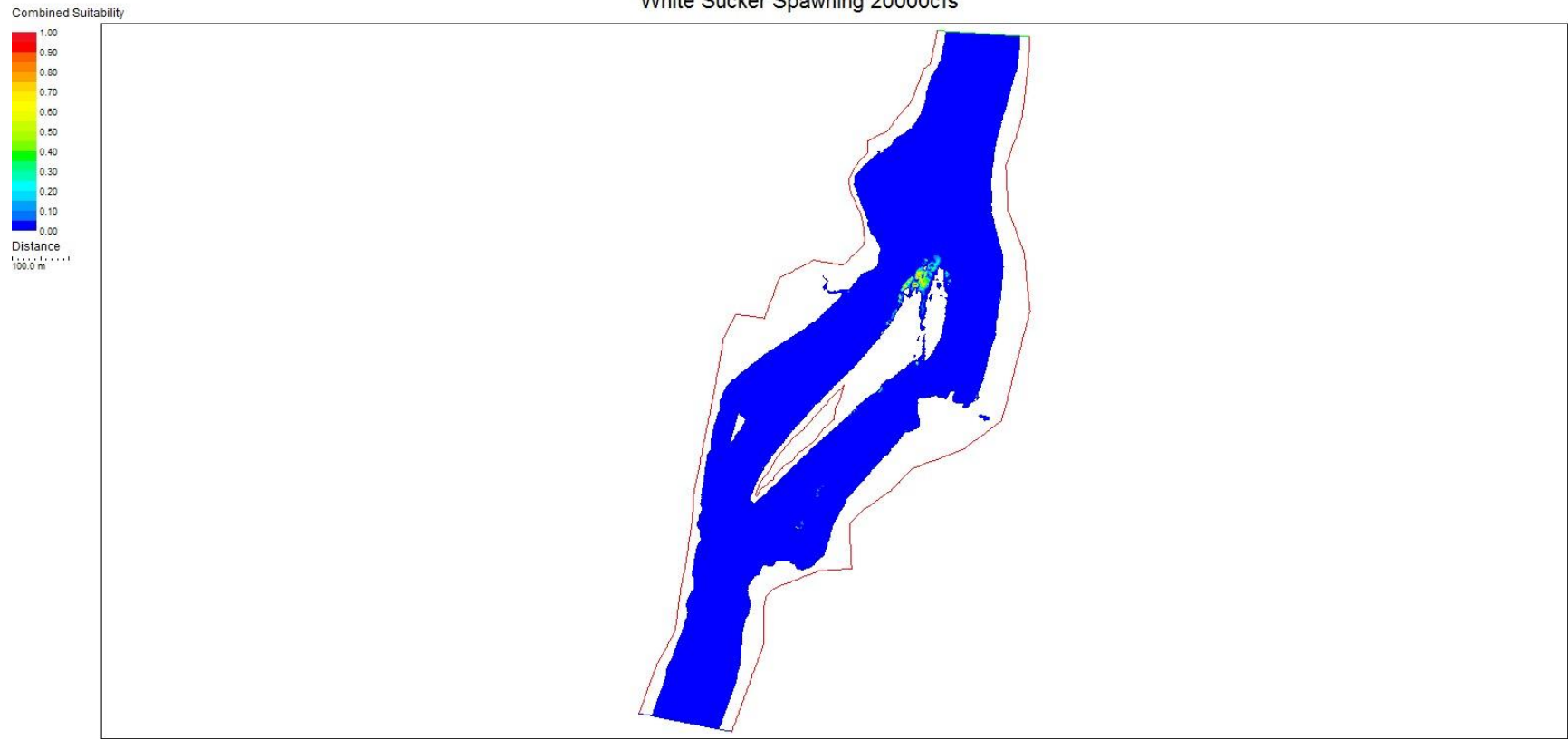
White Sucker Spawning 13000cfs



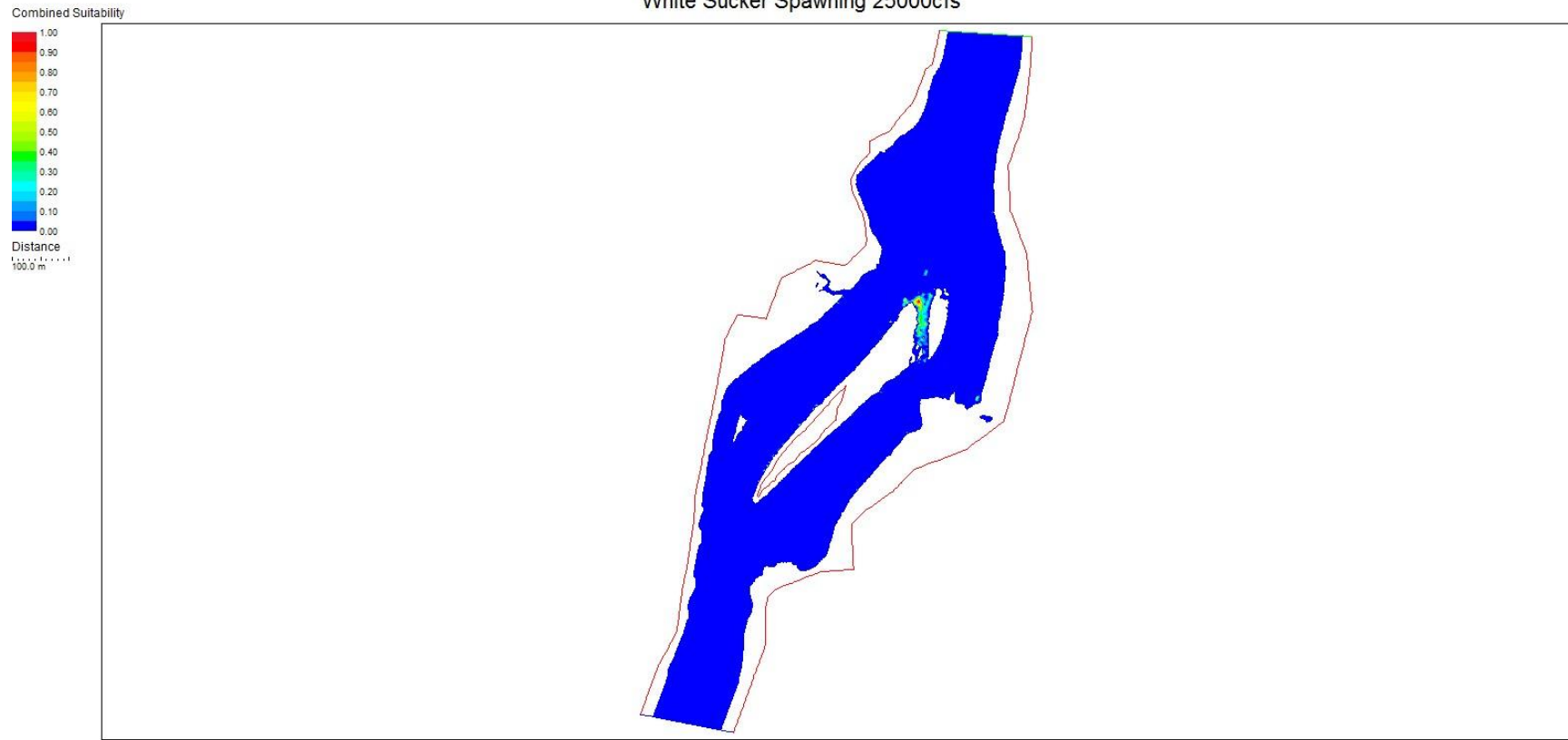
White Sucker Spawning 15000cfs



White Sucker Spawning 20000cfs



White Sucker Spawning 25000cfs

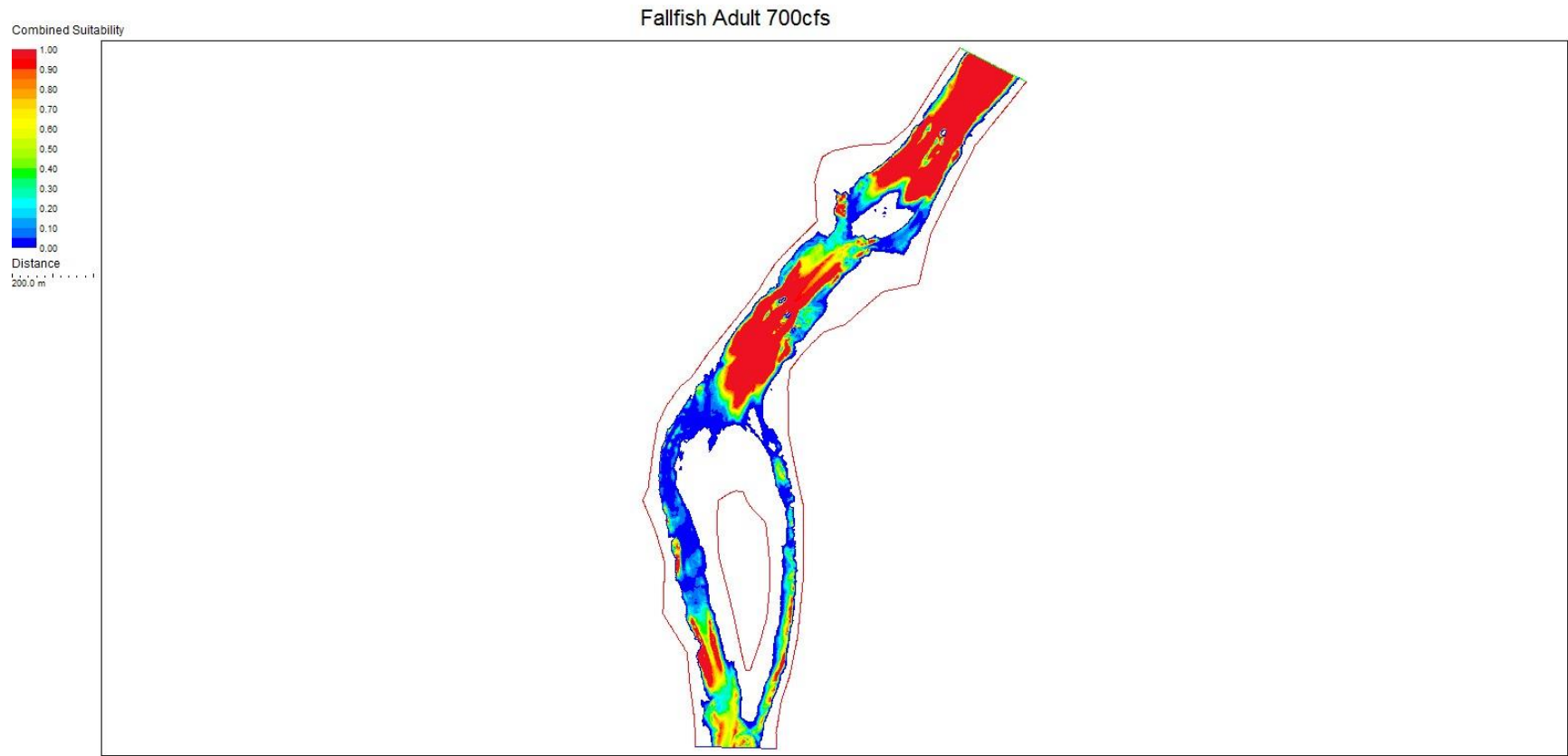


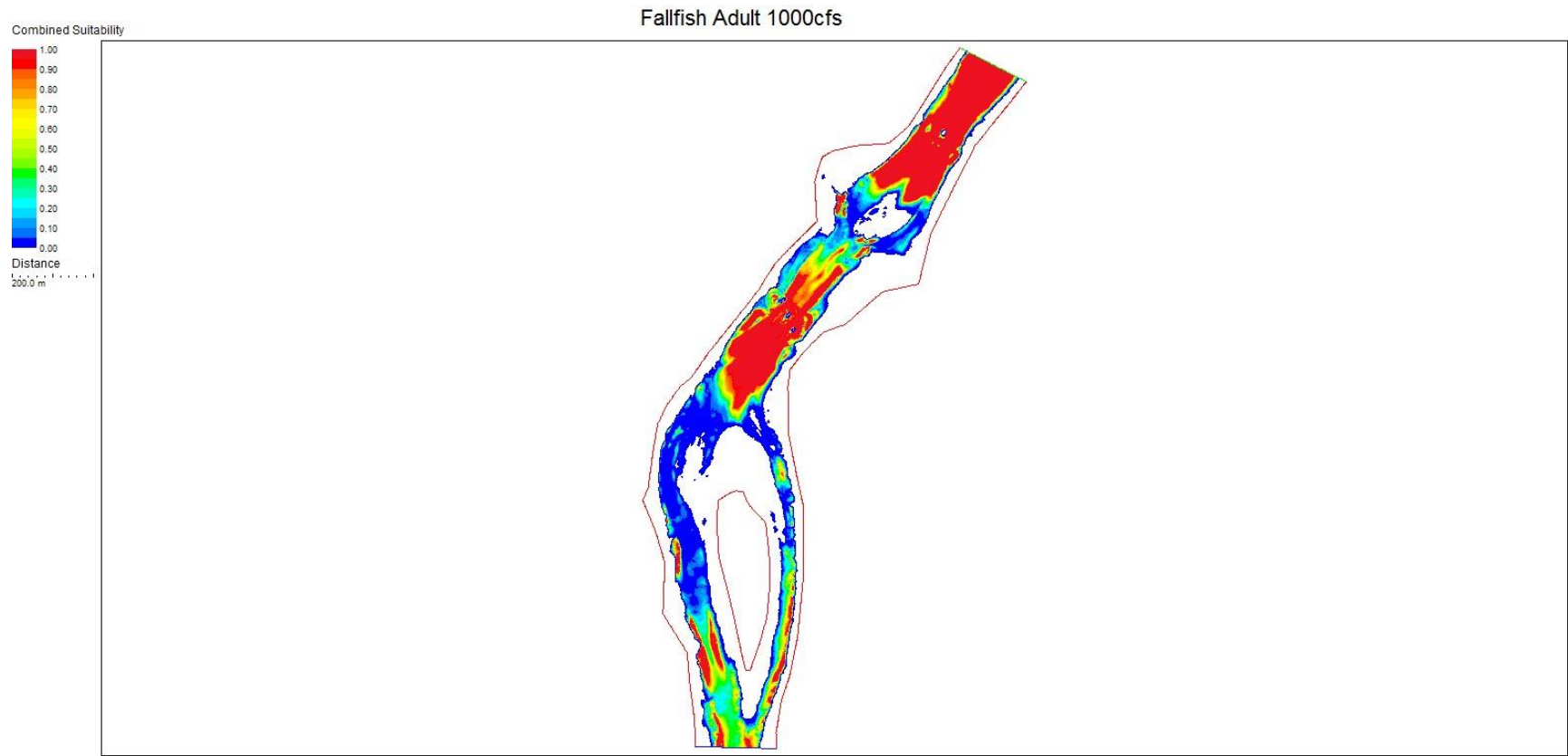
Chase Island 2D Site WUA (m²)

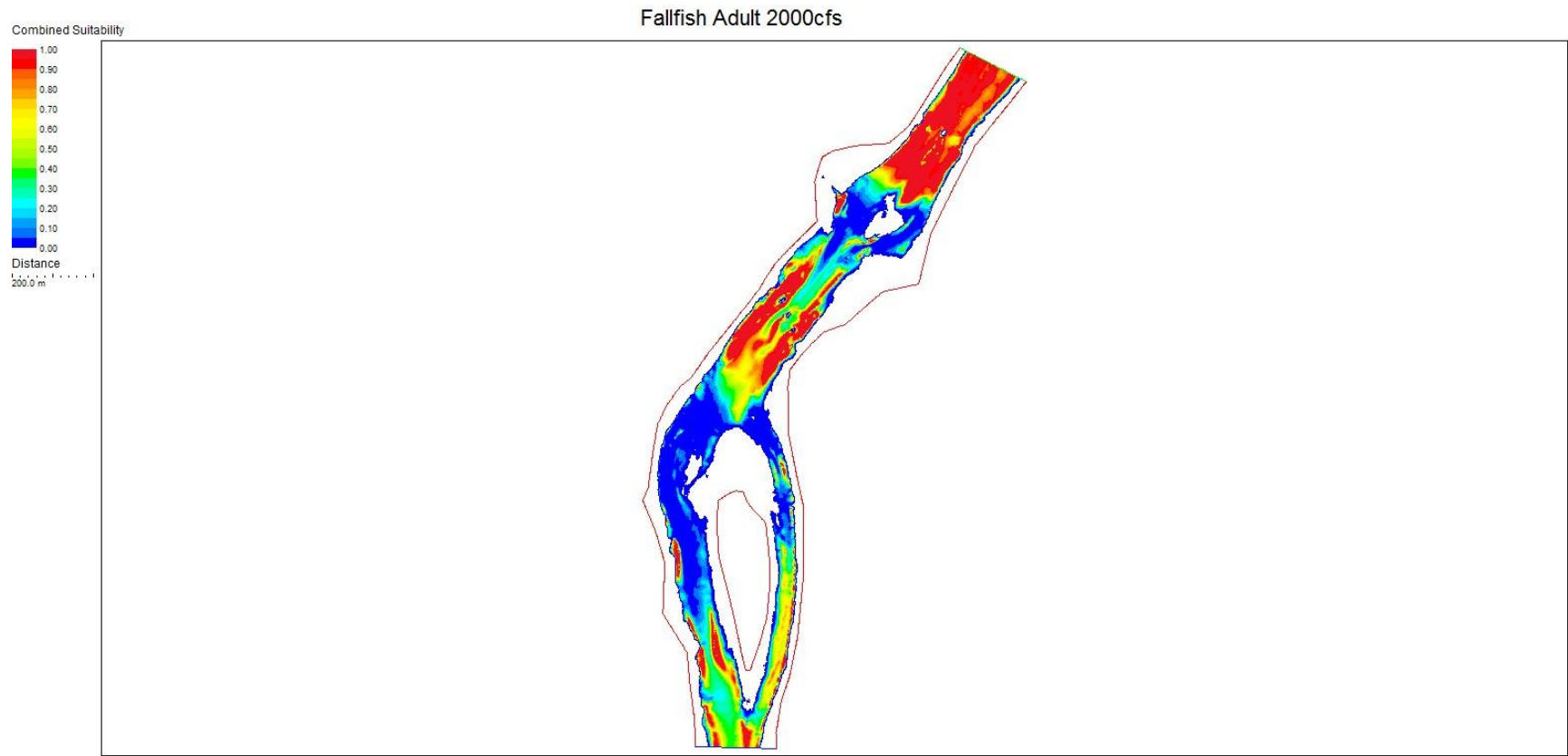
Flow(cfs)	Walleye				Fallfish				White Sucker		
	Fry	Juvenile	Adult	Spawning	Fry	Juvenile	Adult	Spawning	Fry	Adult/ Juvenile	Spawning
700	12,172	14,184	45,420	23,441	70,640	80,865	119,240	49,363	127,867	69,989	17,413
1000	10,230	11,432	34,118	31,720	67,508	82,128	122,514	48,964	110,014	69,790	18,307
2000	7,300	7,964	24,736	47,984	57,287	79,650	121,937	45,449	69,896	49,299	18,736
3000	6,871	6,793	22,388	60,853	44,264	70,839	104,667	37,818	52,007	31,969	14,225
4000	5,609	5,646	21,991	71,035	33,288	61,050	89,739	30,255	42,167	22,268	8,133
5000	5,198	5,078	22,057	78,028	26,559	50,817	79,891	23,371	37,099	19,014	4,538
6000	5,128	4,634	20,974	78,779	22,574	41,694	71,355	18,483	34,794	18,119	4,124
7000	3,734	4,263	20,831	75,895	18,696	36,521	67,810	15,040	31,575	18,993	3,797
8000	2,686	3,118	17,022	71,038	16,448	31,332	58,690	12,703	25,466	14,494	3,243
9000	1,562	2,317	14,764	65,680	14,808	26,988	52,076	11,113	24,968	13,430	3,161
10000	1,804	2,242	14,285	59,618	13,227	24,360	48,134	10,237	24,921	12,841	3,465
11000	1,741	2,082	12,712	54,276	11,037	21,894	43,596	9,483	22,248	11,630	3,600
13000	1,212	1,505	9,909	43,703	6,928	16,925	35,996	7,051	17,607	9,572	1,909
15000	974	1,199	8,201	30,067	4,214	11,871	31,568	3,874	15,474	9,252	668
20000	753	870	5,912	13,367	2,050	5,708	23,033	1,370	13,601	7,640	472
25000	488	595	4,776	6,261	1,395	3,731	21,451	491	13,324	7,532	343

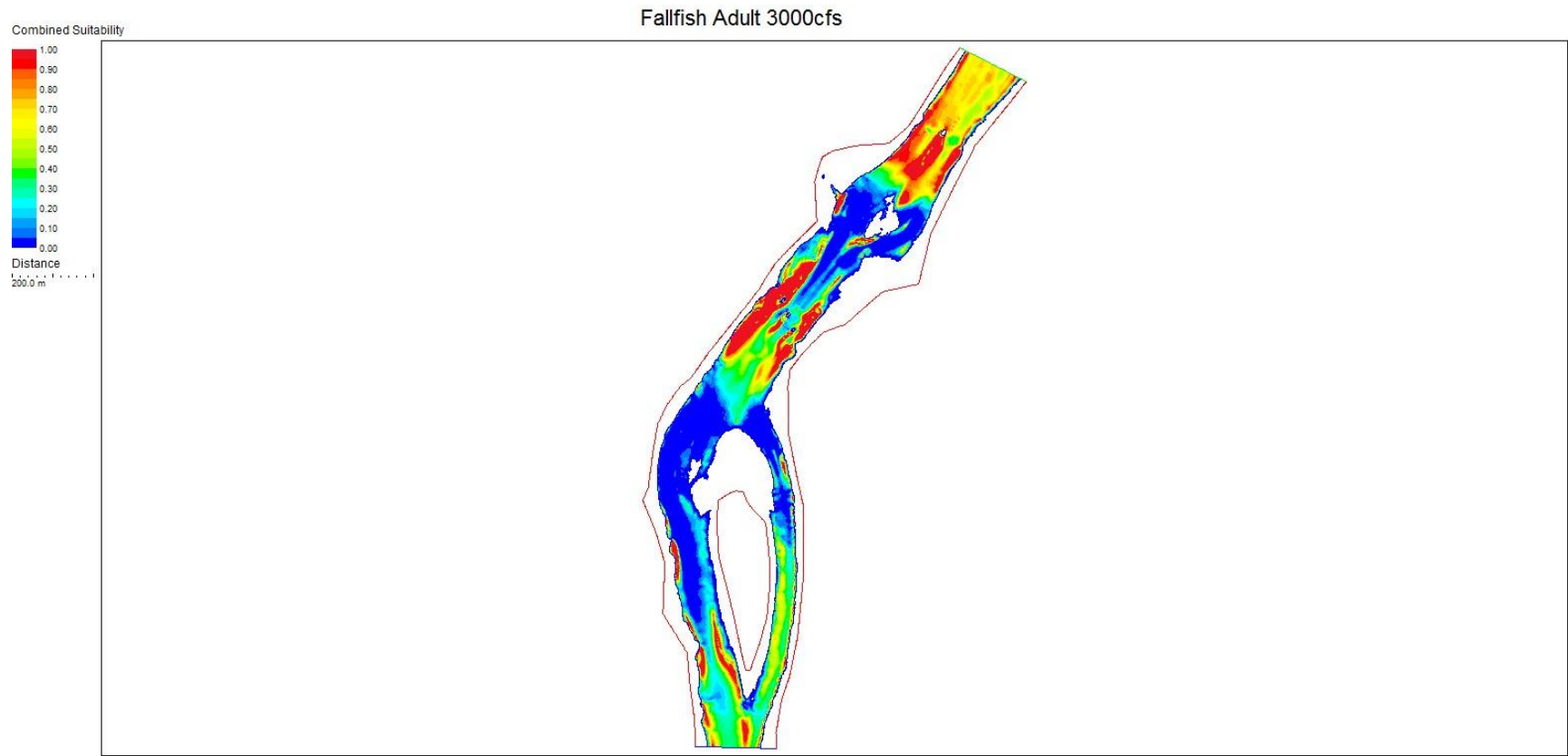
Flow(cfs)	Longnose Dace			Tessellated Darter	Sea Lamprey	Macro-invertebrates	Smallmouth Bass			
	Fry	Juvenile	Adult	Adult	Spawning		Fry	Juvenile	Adult	Spawning
700	44,533	22,444	40,750	34,350	51,562	35,793	24,510	42,841	32,631	49,273
1000	43,425	22,157	41,970	35,847	62,197	45,783	21,336	46,369	35,297	45,861
2000	36,612	19,644	38,187	33,250	79,577	65,397	14,579	49,233	33,552	32,480
3000	29,689	15,182	31,961	27,961	83,928	74,283	10,725	45,811	28,575	24,827
4000	22,046	9,760	23,251	20,434	81,939	76,565	8,290	42,025	25,354	19,985
5000	15,518	6,262	15,049	13,286	76,619	74,542	7,101	38,023	23,103	16,843
6000	12,385	5,057	11,240	9,949	69,572	70,826	6,563	33,502	20,961	14,912
7000	10,357	4,430	9,486	8,695	64,577	67,459	6,080	31,435	20,170	13,362
8000	9,336	3,875	8,123	7,576	58,492	64,317	5,220	28,544	18,218	11,043
9000	8,885	3,725	7,210	6,842	51,786	60,252	5,217	25,657	16,741	10,162
10000	8,762	4,139	7,271	7,060	46,175	56,705	4,573	23,955	15,869	8,975
11000	7,885	3,862	7,405	7,008	41,037	54,500	3,672	22,279	14,925	7,786
13000	4,789	2,021	4,844	4,778	32,767	50,104	2,338	18,886	13,095	4,948
15000	2,644	784	1,952	2,282	24,346	43,799	1,779	16,607	12,031	3,508
20000	1,626	393	834	1,272	11,748	33,015	1,145	11,670	9,709	1,917
25000	1,403	179	618	1,118	4,632	26,395	827	9,766	8,773	853

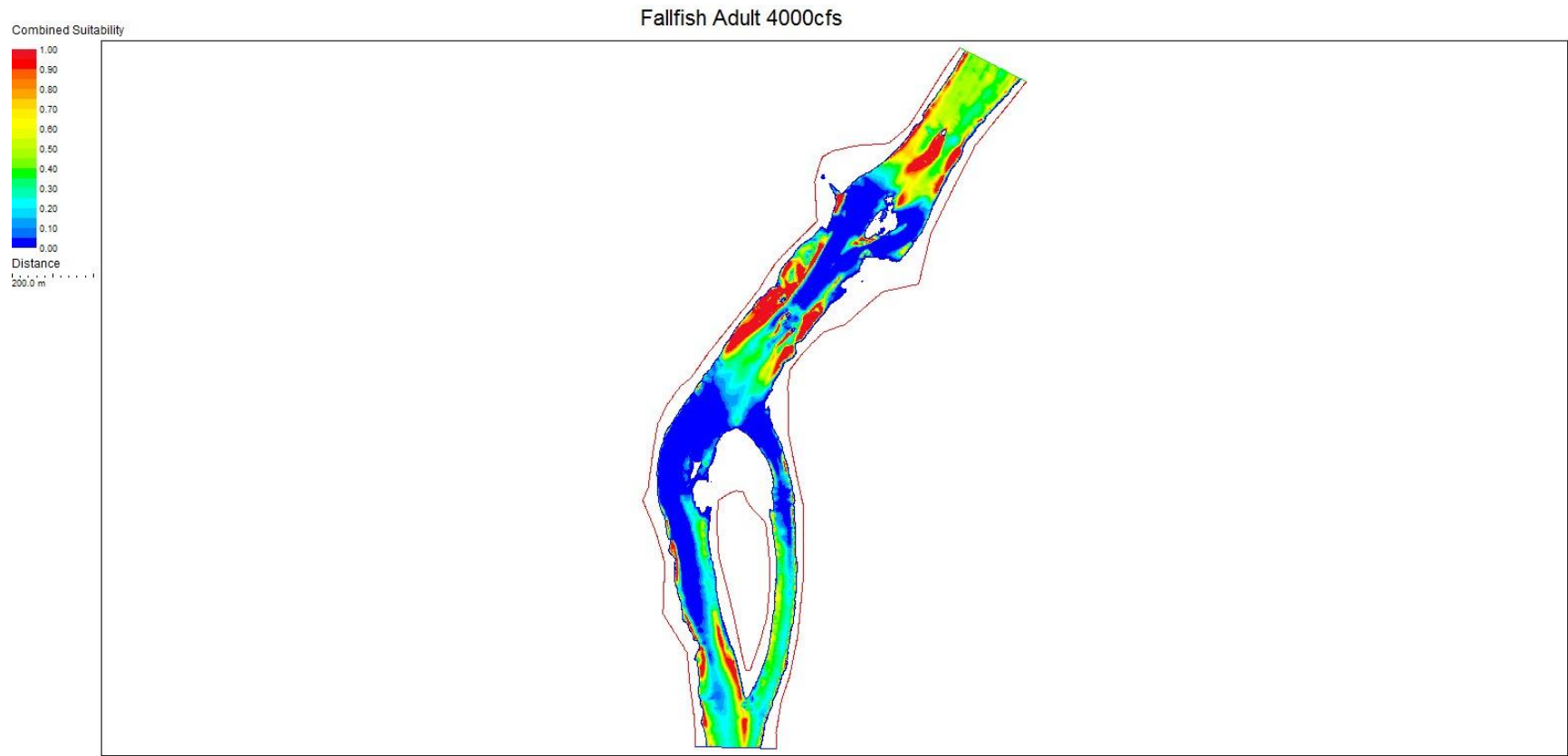
Flow(cfs)	Generalized Habitat Criteria				Mussels	
	Shallow-Fast	Shallow-Slow	Deep-Fast	Deep-Slow	DWM	Co-occurring
700	37,357	64,617	24,053	109,059	59711	72702
1200	42,942	60,678	39,261	109,432	70513	73289
2200	46,470	45,177	97,546	89,940	79391	72793
3200	42,895	35,155	160,734	52,650	72078	63358
4200	35,510	26,333	195,222	40,295	62181	52458
5200	25,741	22,000	219,995	36,186	48578	41538
6200	18,590	19,790	237,394	33,507	36847	33002
7200	11,559	18,574	254,377	32,142	33394	30055
8200	10,937	18,647	268,491	24,471	30071	26628
9200	10,949	18,899	276,370	21,873	26054	22987
10200	10,822	18,790	283,166	21,521	23464	20746
11200	13,579	15,139	289,248	20,411	22212	18637
13000	10,853	10,663	305,014	16,496	18353	13848
15000	4,646	7,899	319,119	15,670	16012	11091
20000	2,154	7,210	331,548	13,248	11033	7099
25000	2,621	7,011	338,692	13,011	10588	6570

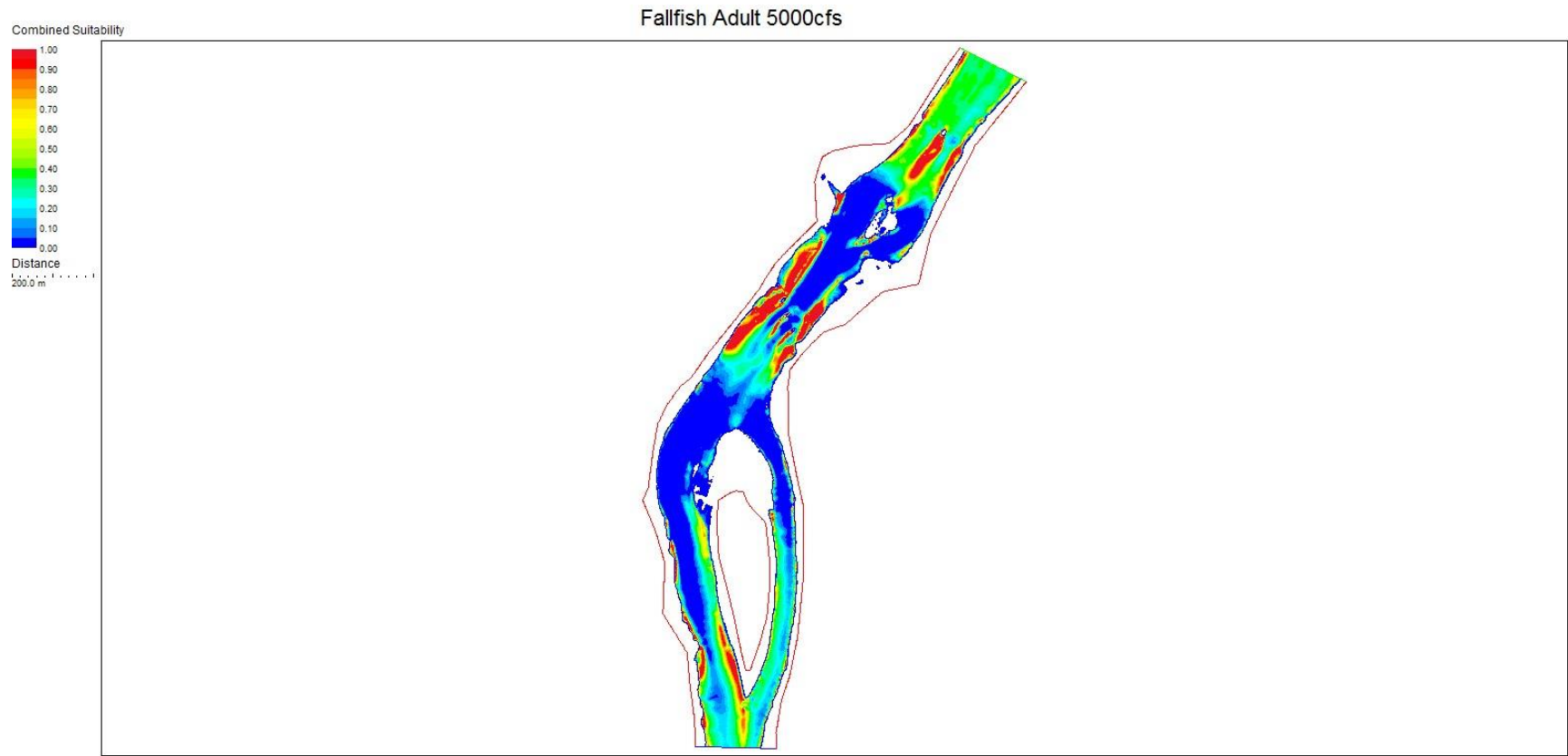


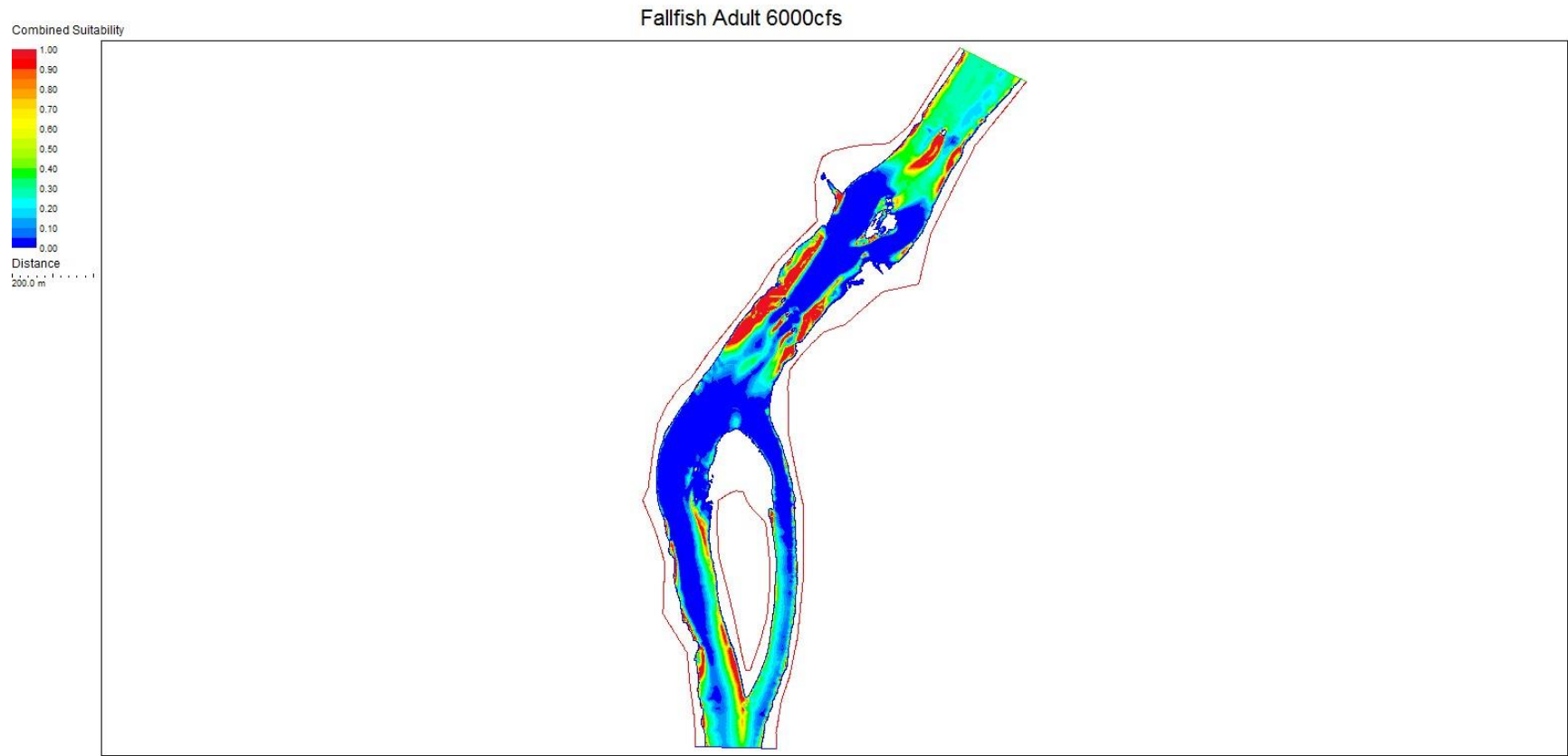


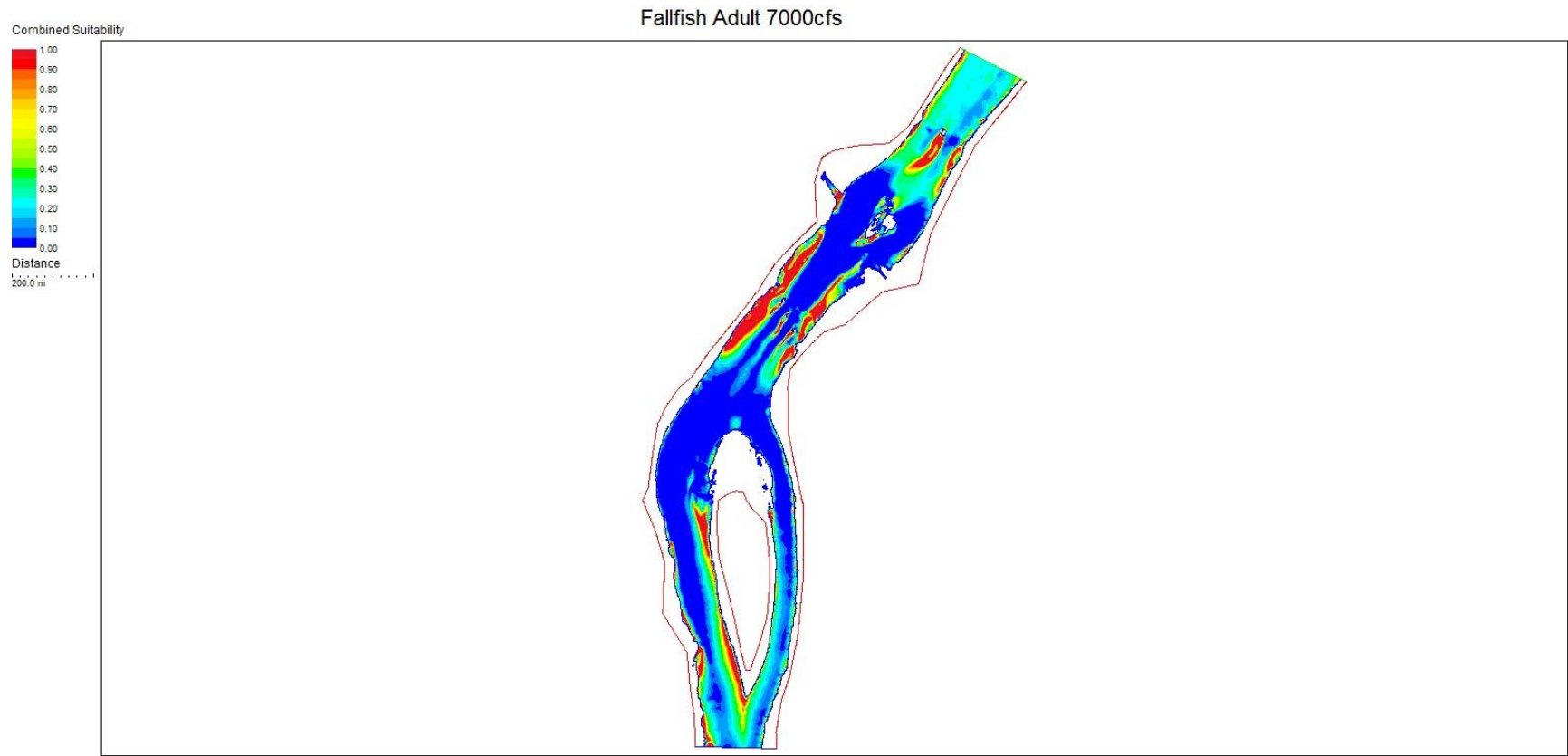




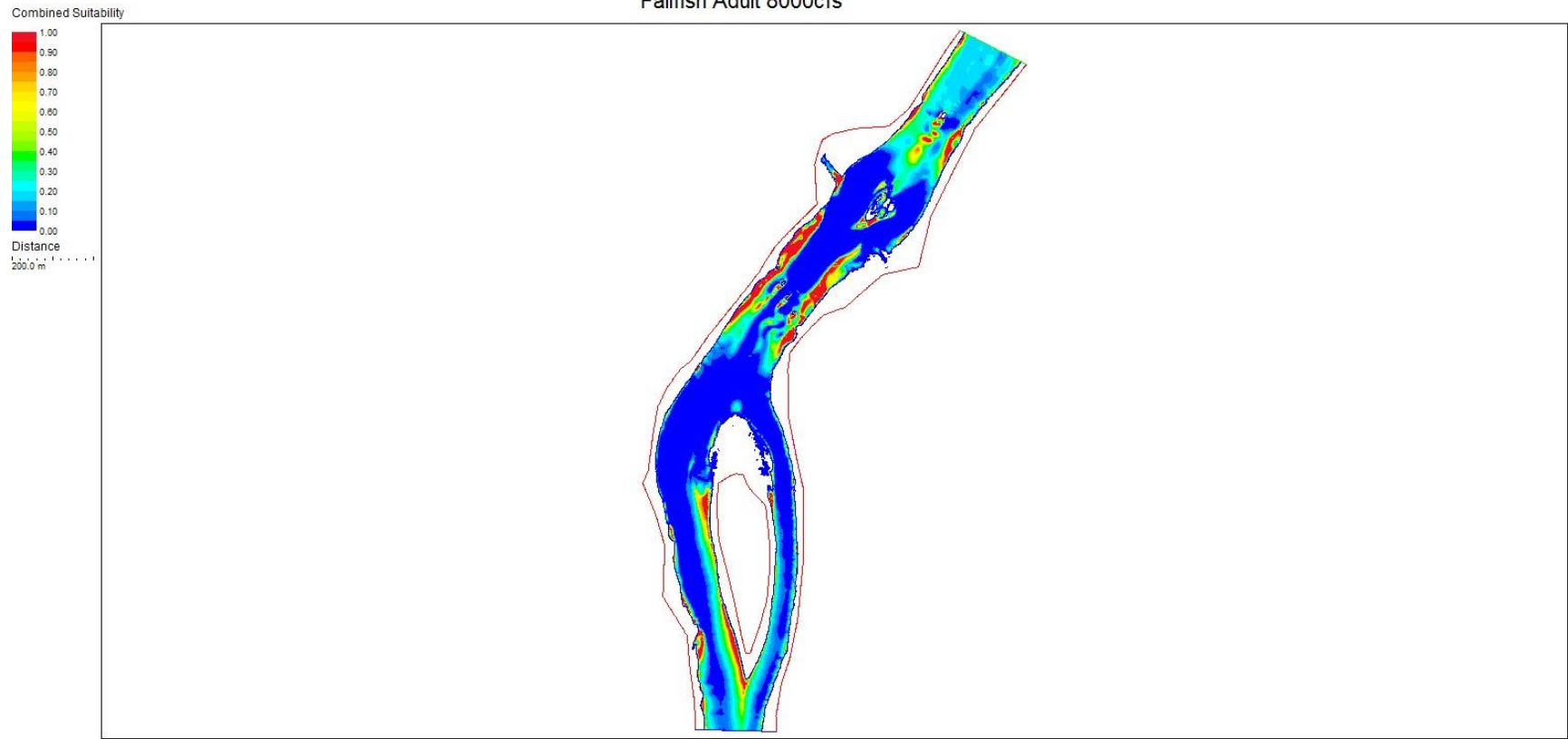


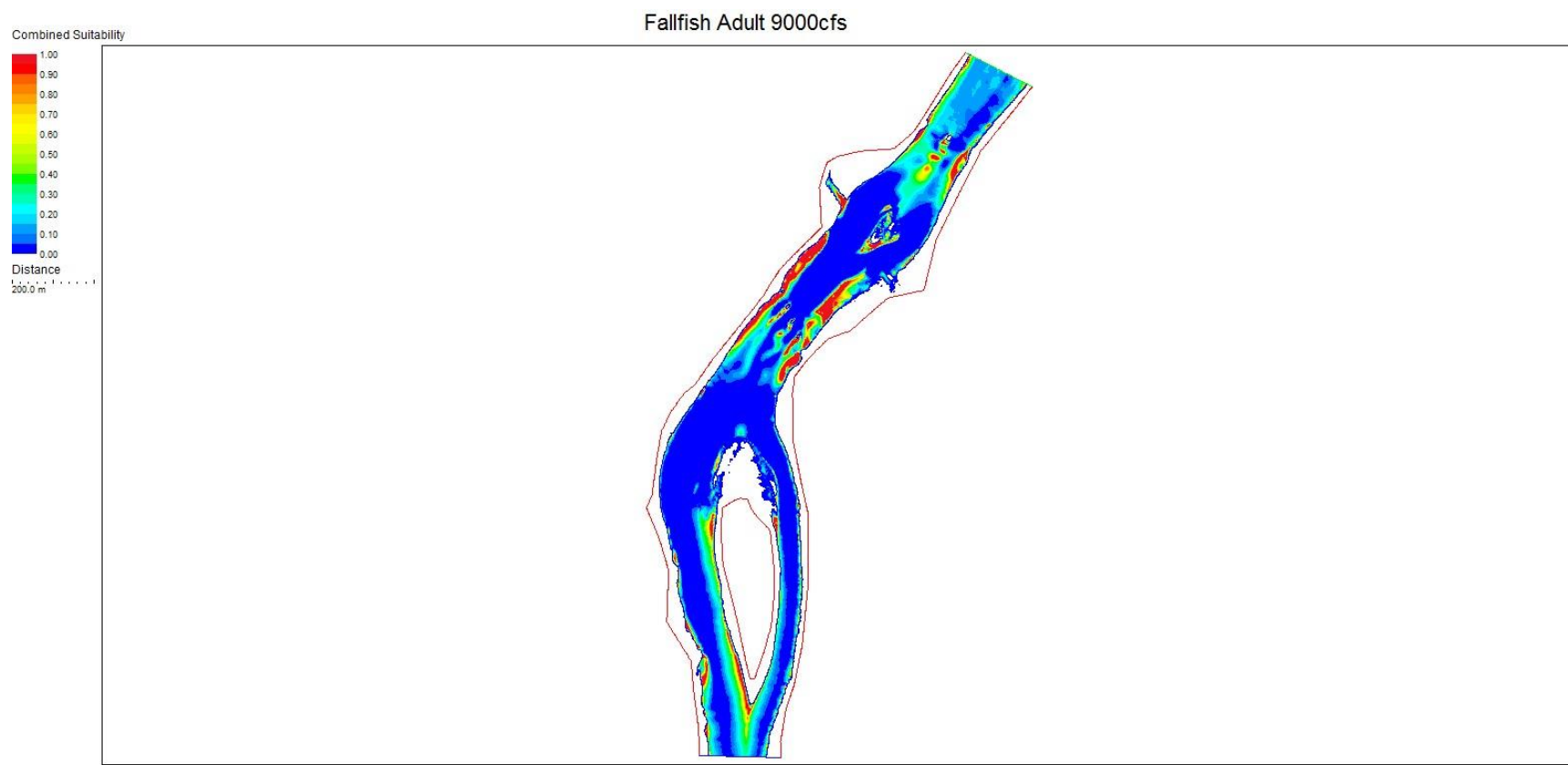


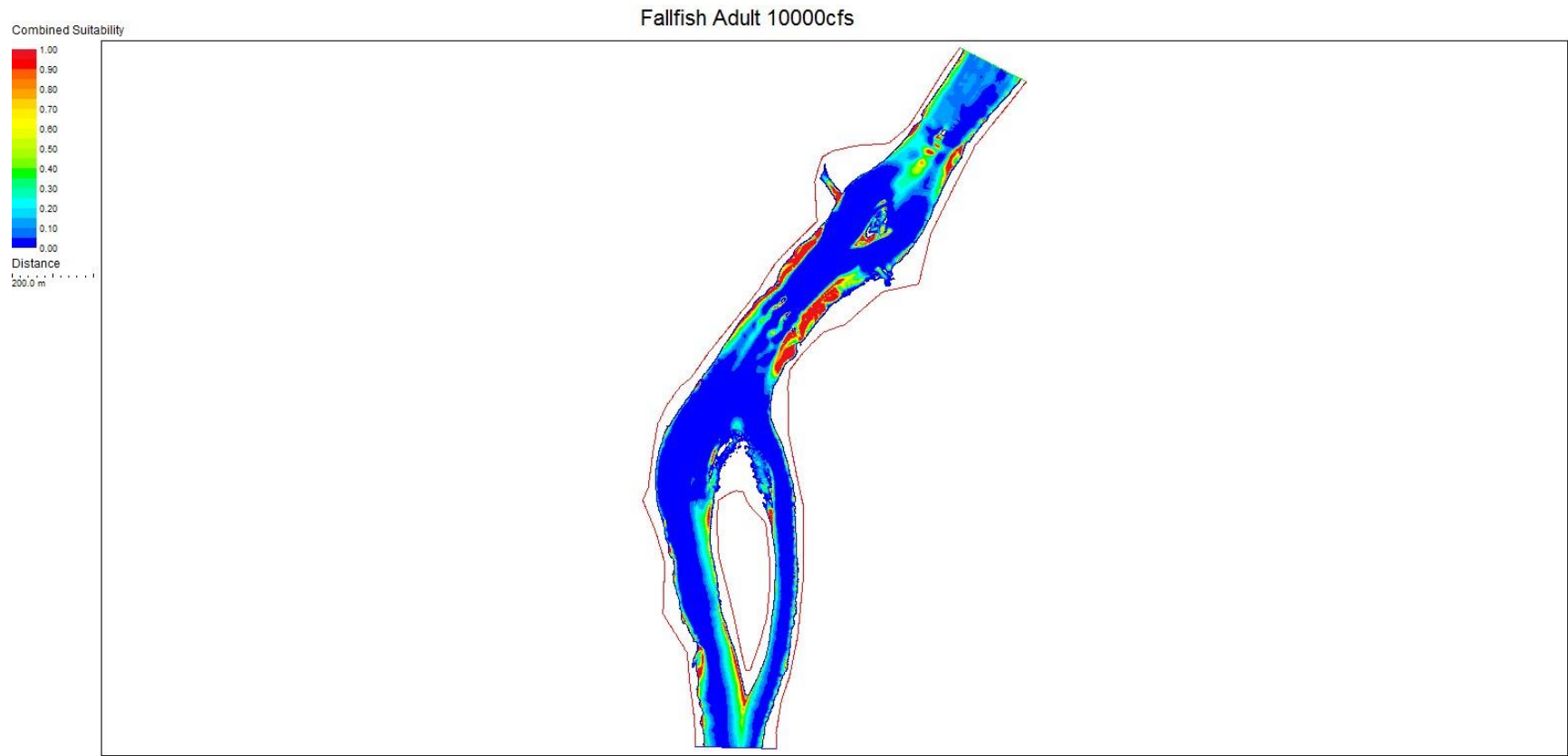




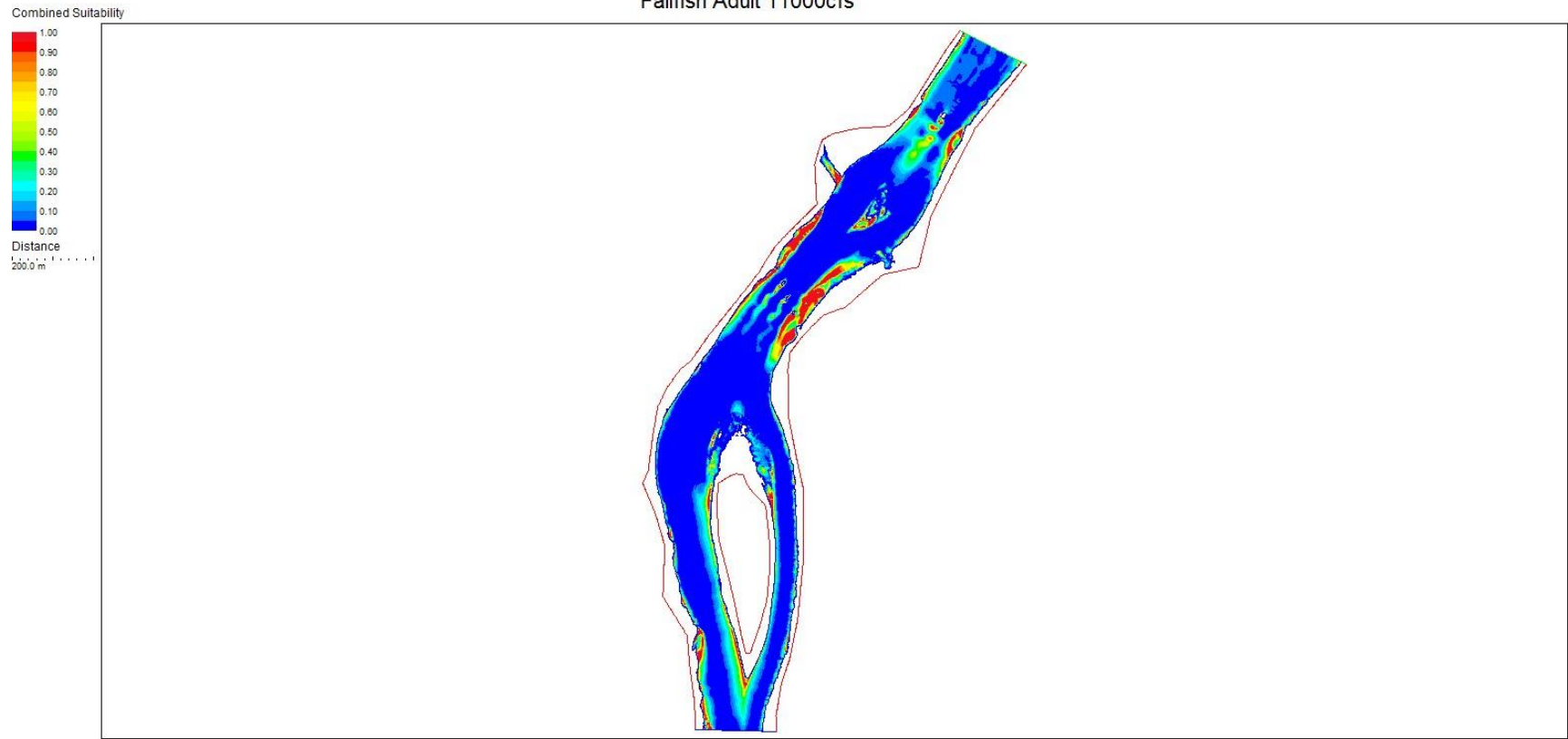
Fallfish Adult 8000cfs

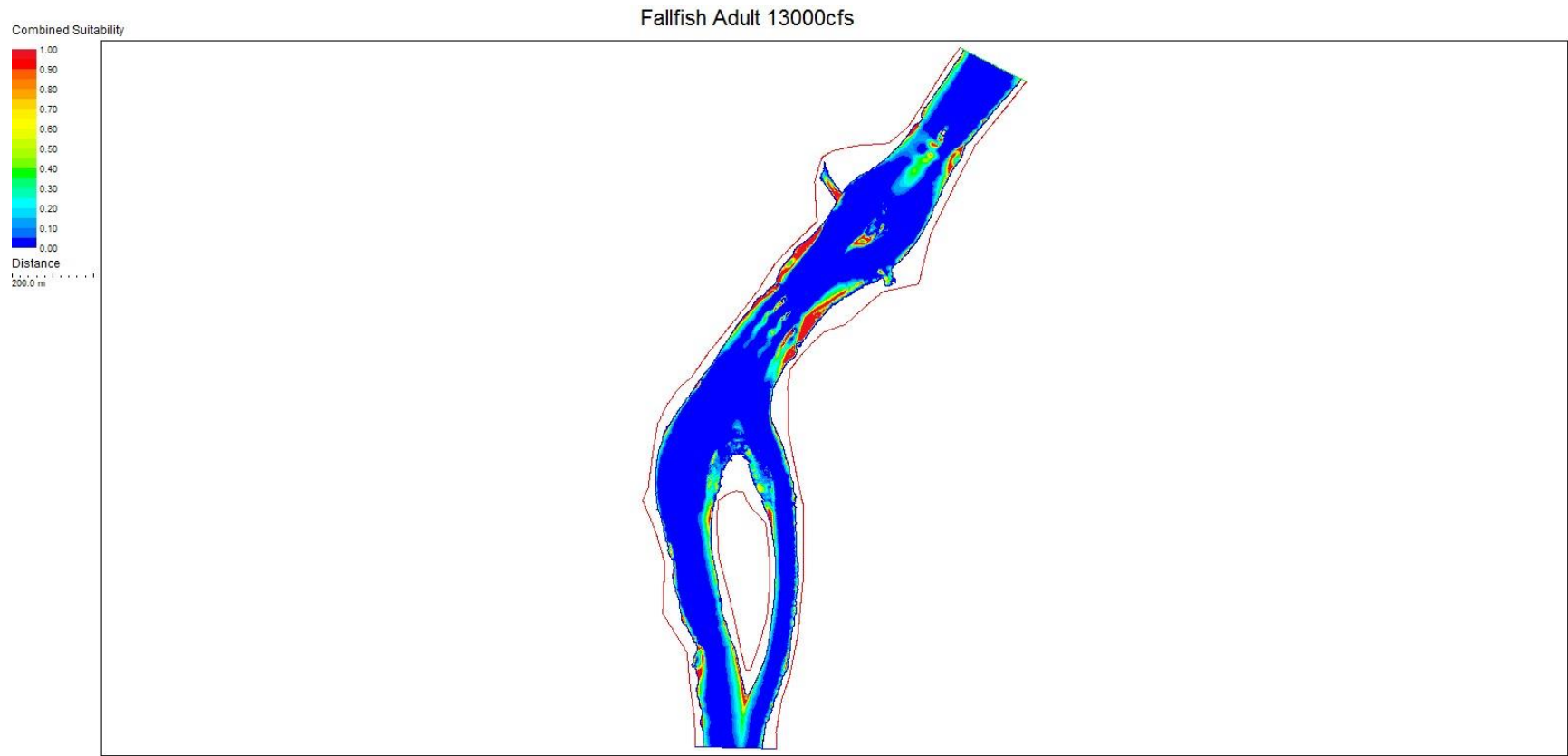


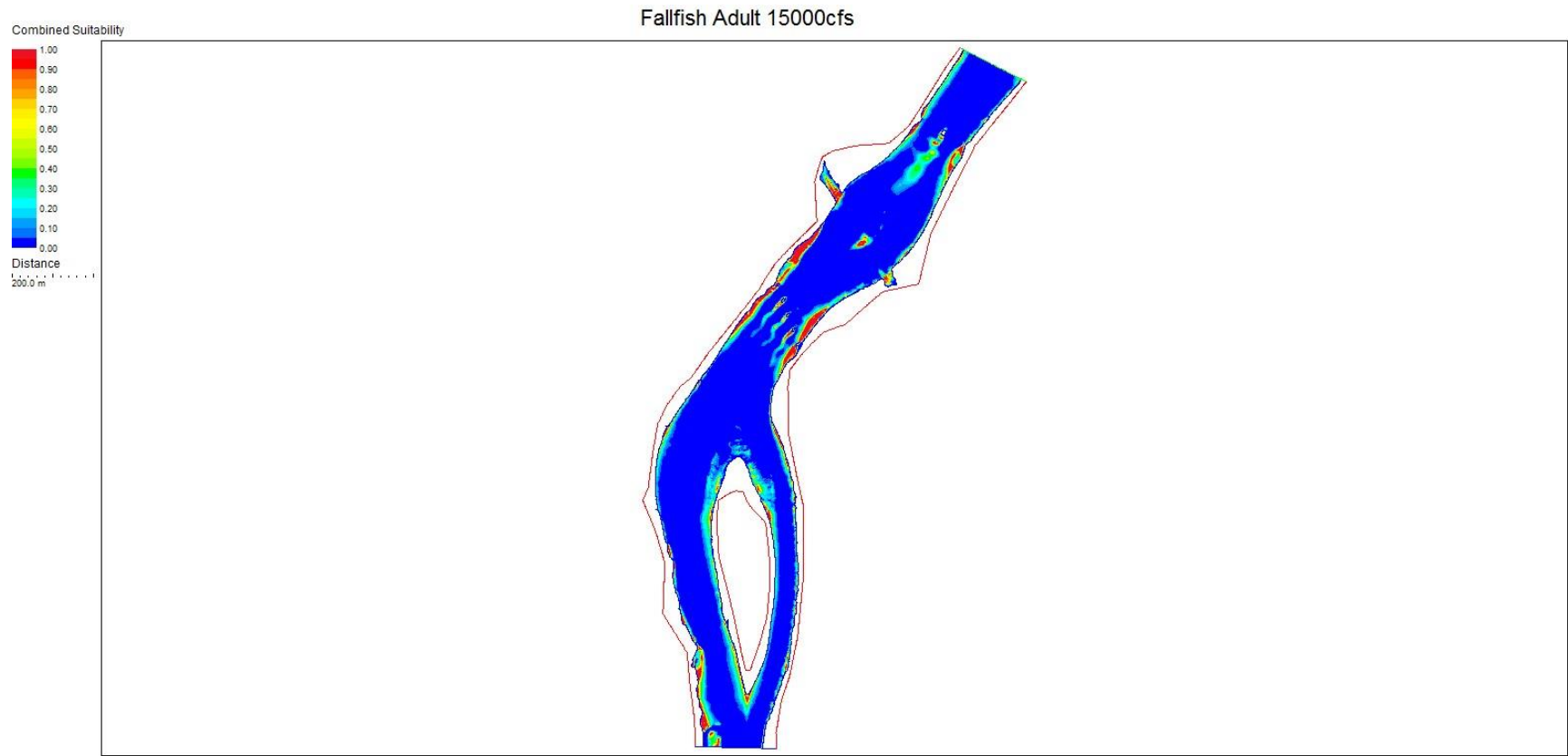


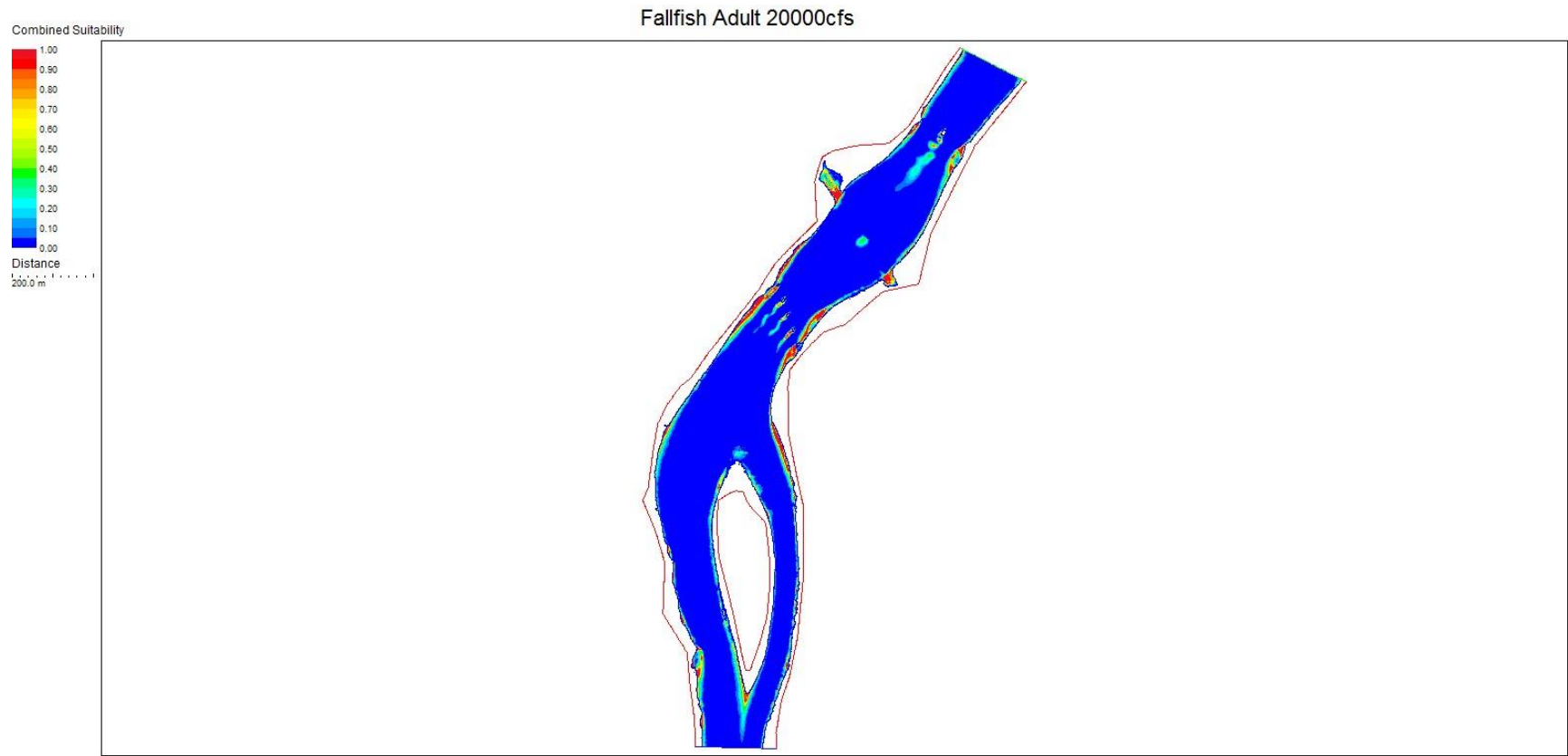


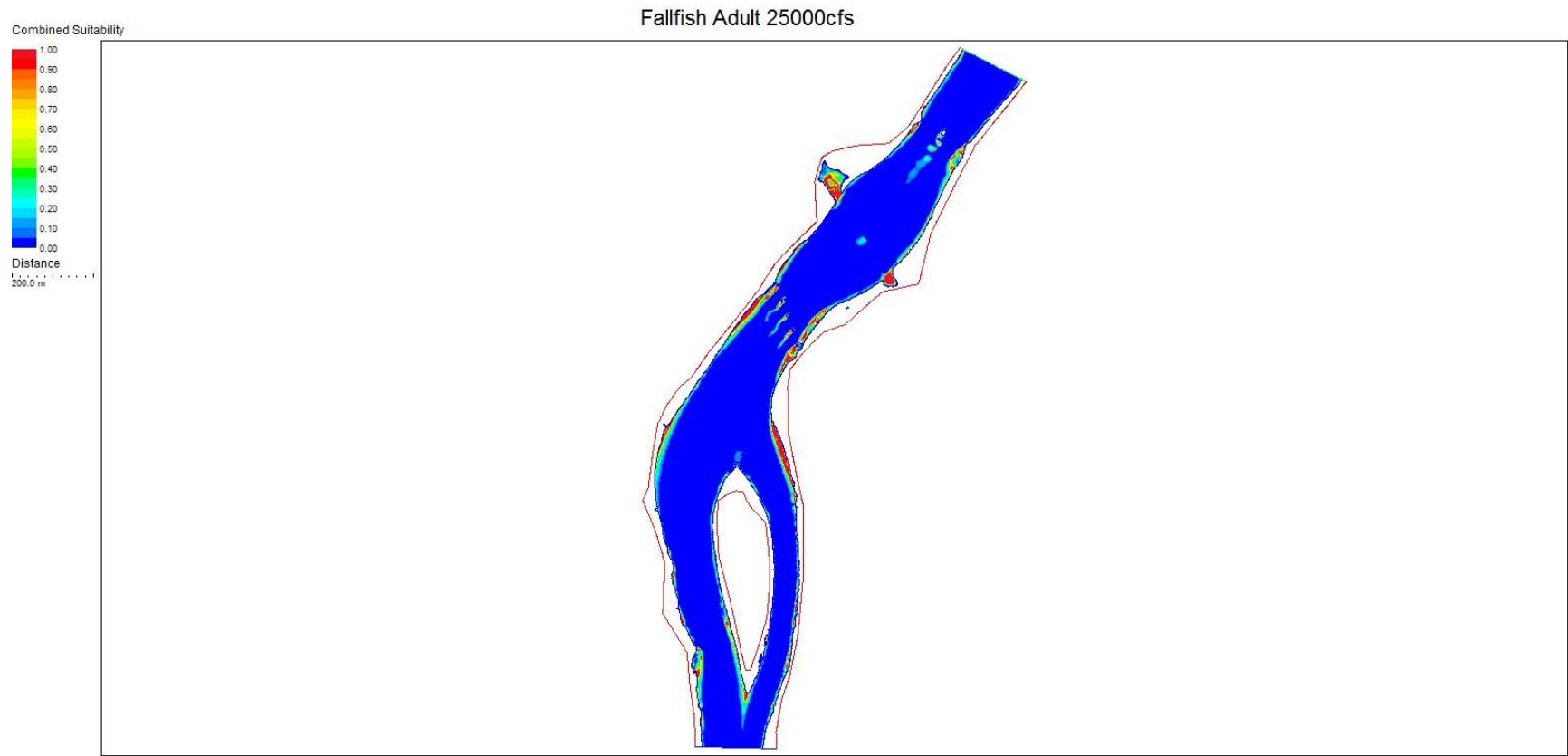
Fallfish Adult 11000cfs



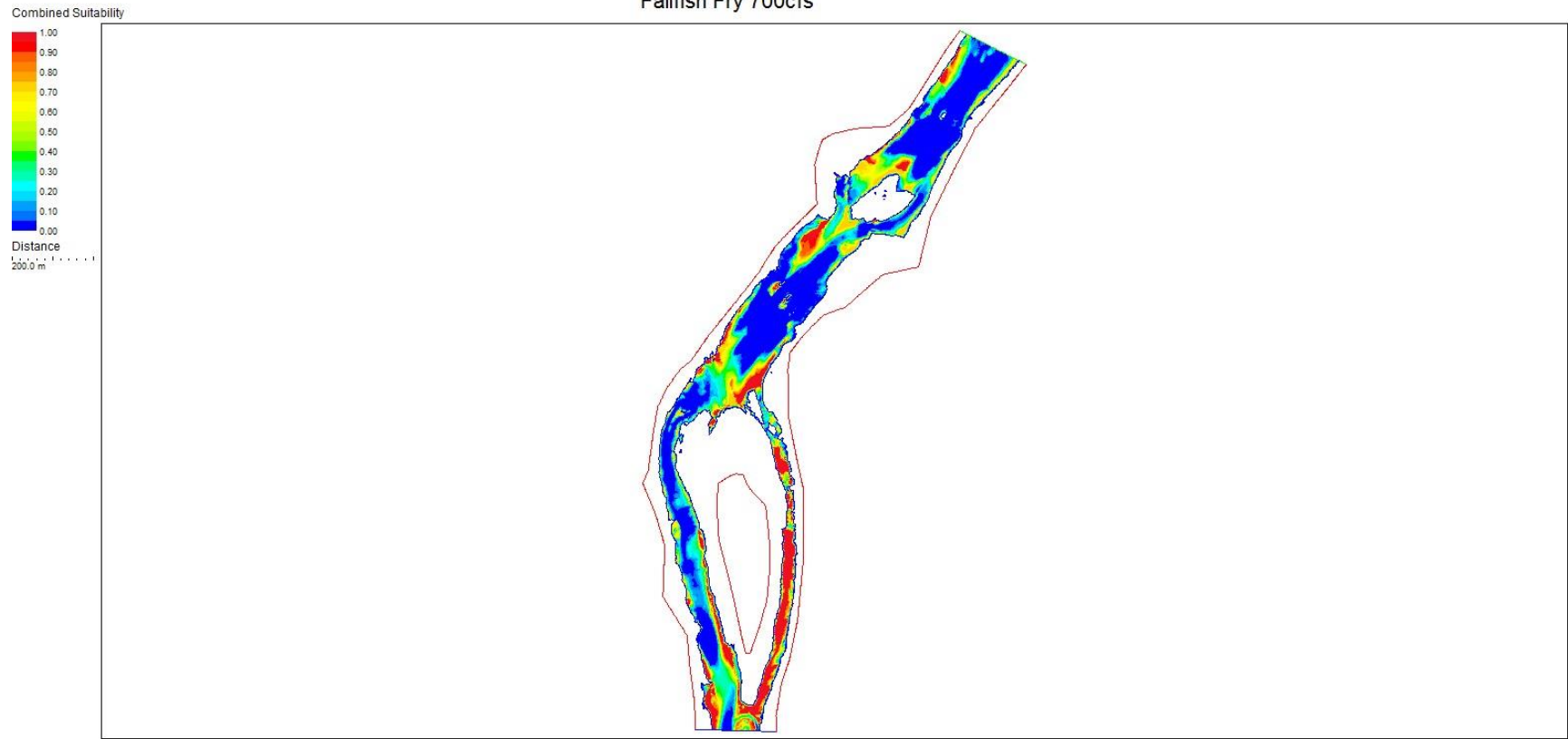




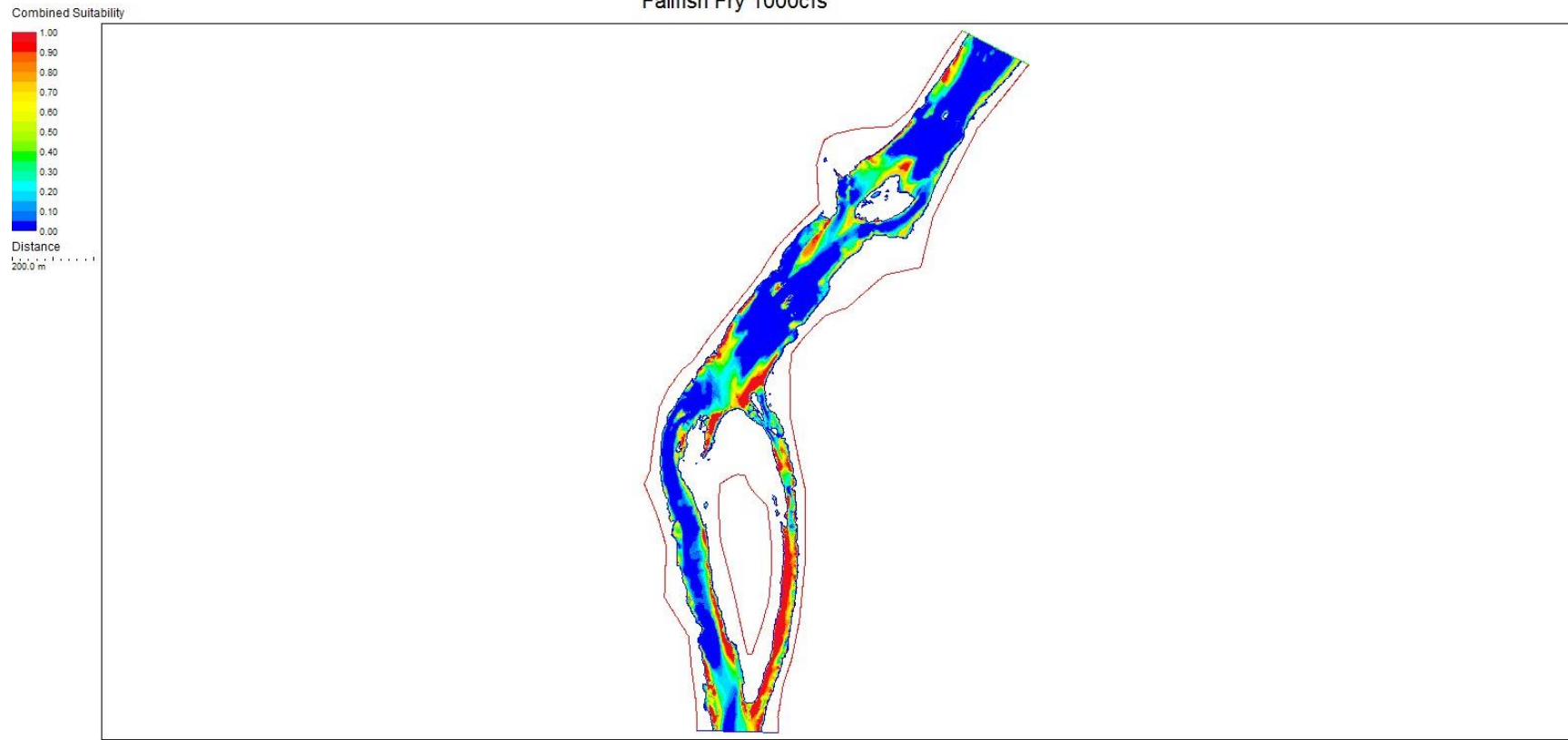


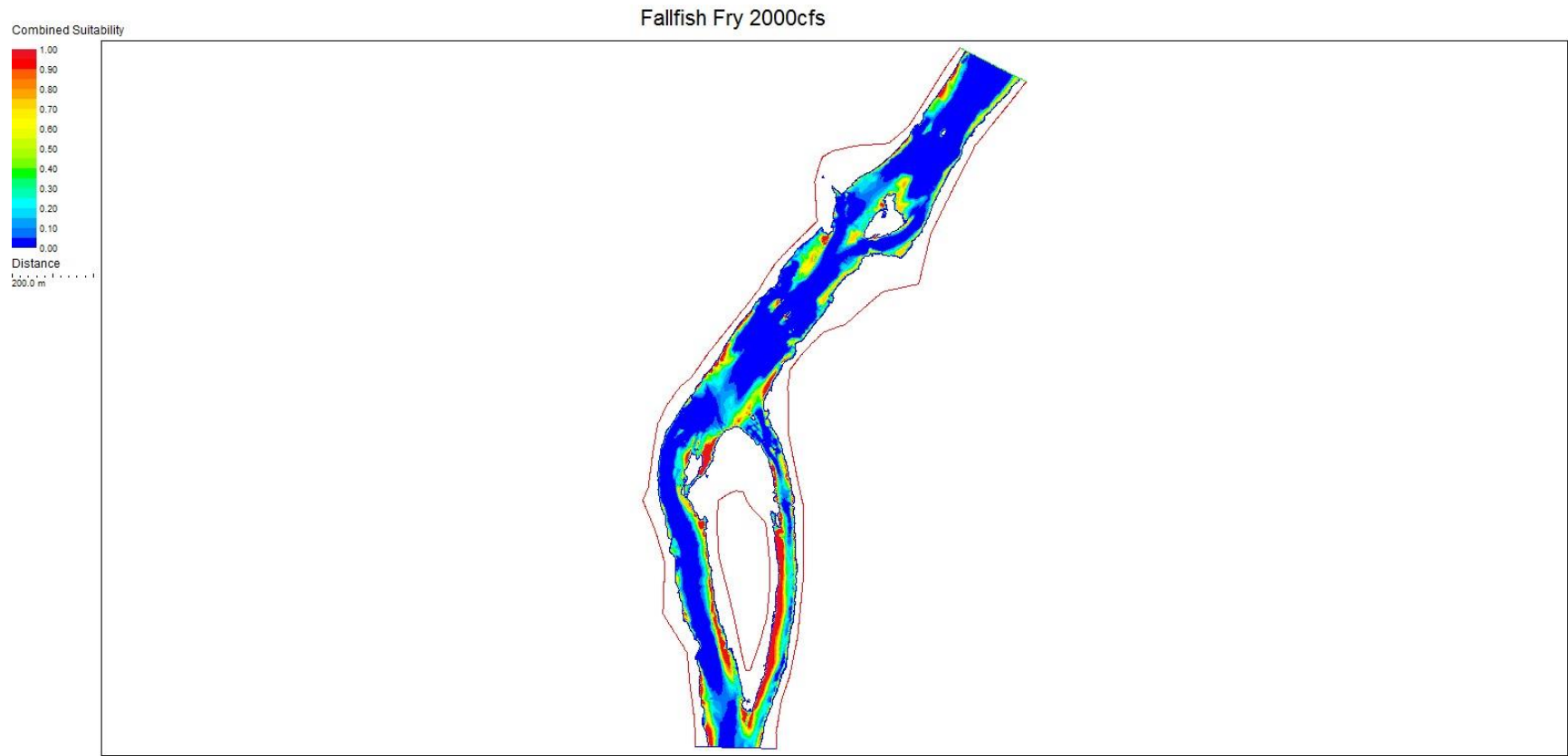


Fallfish Fry 700cfs

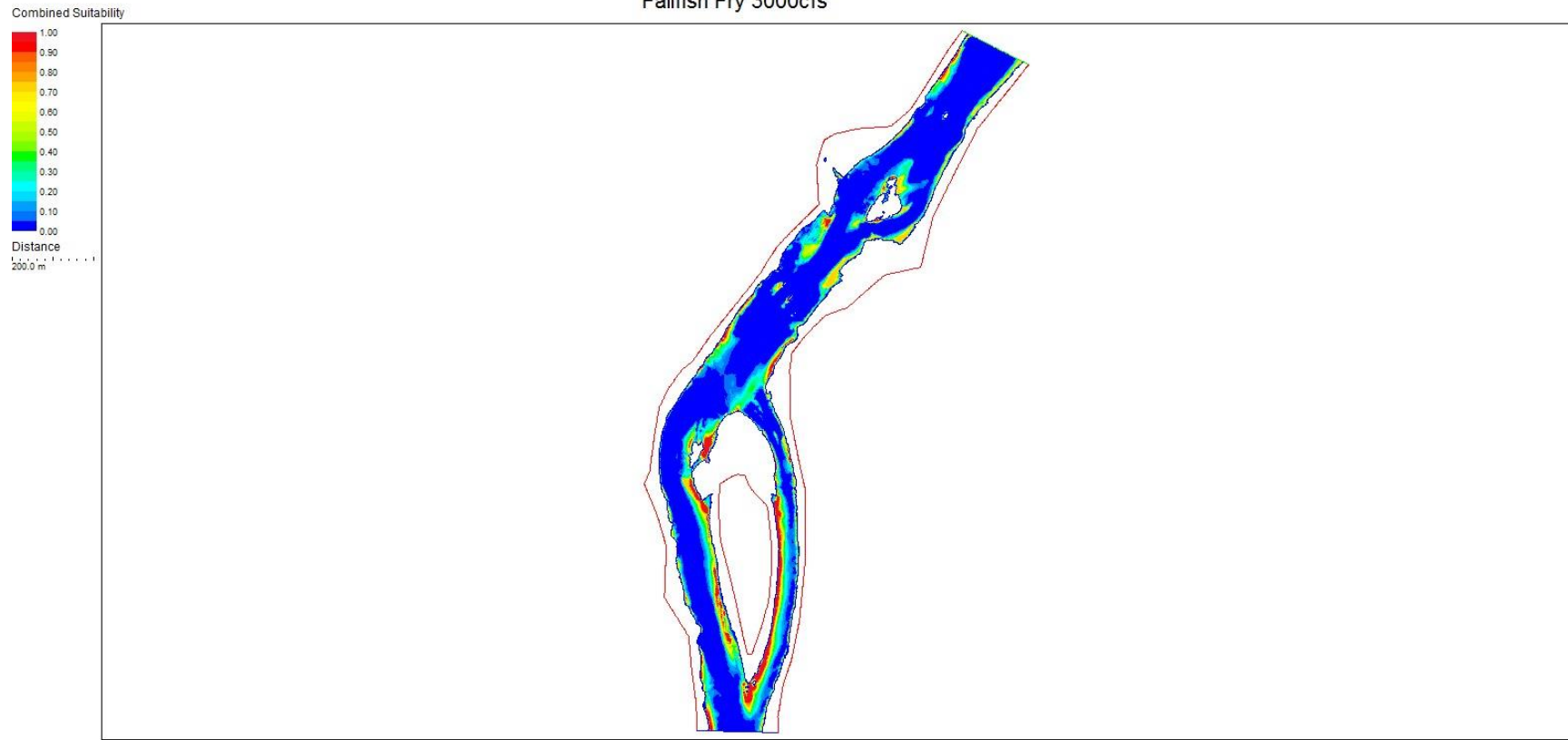


Fallfish Fry 1000cfs

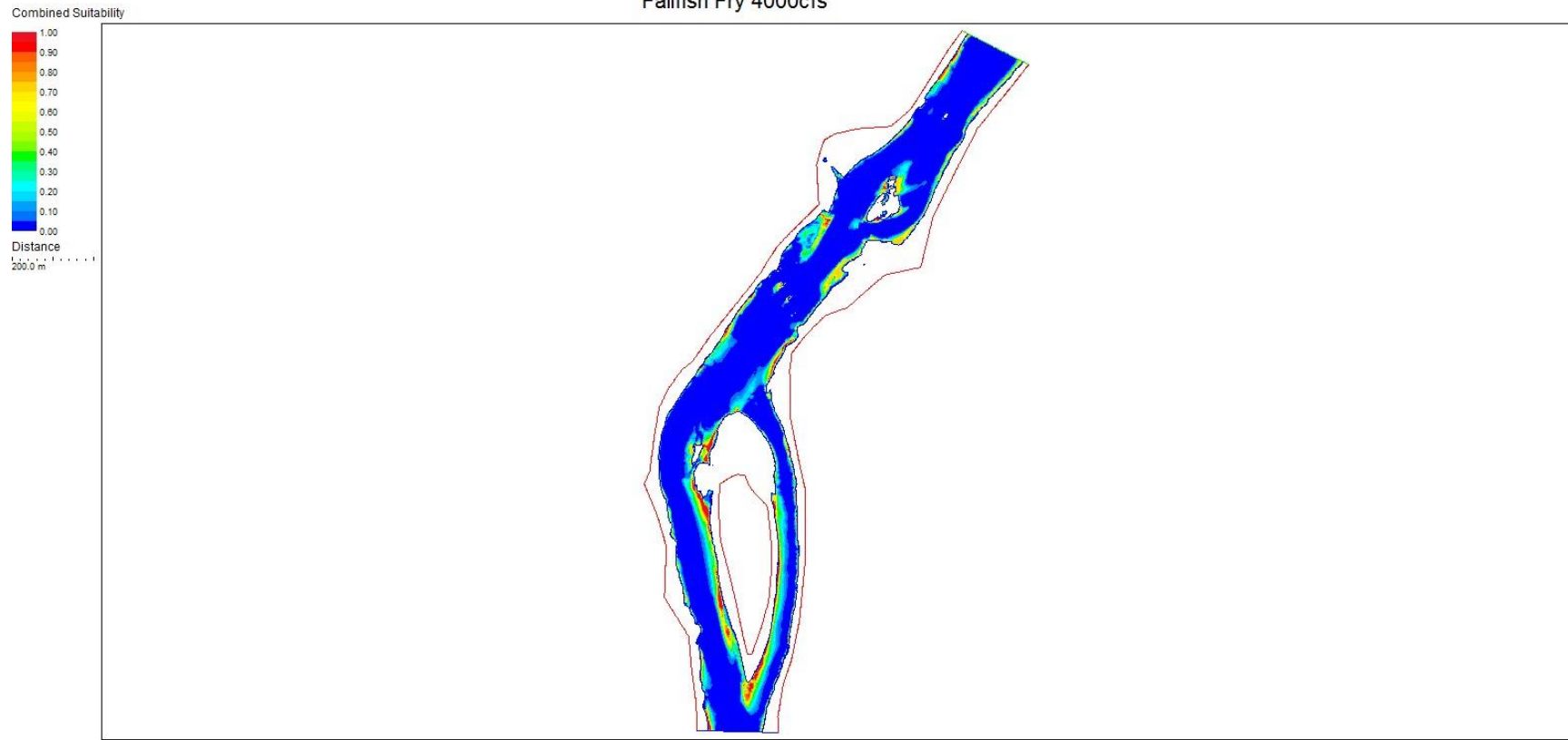


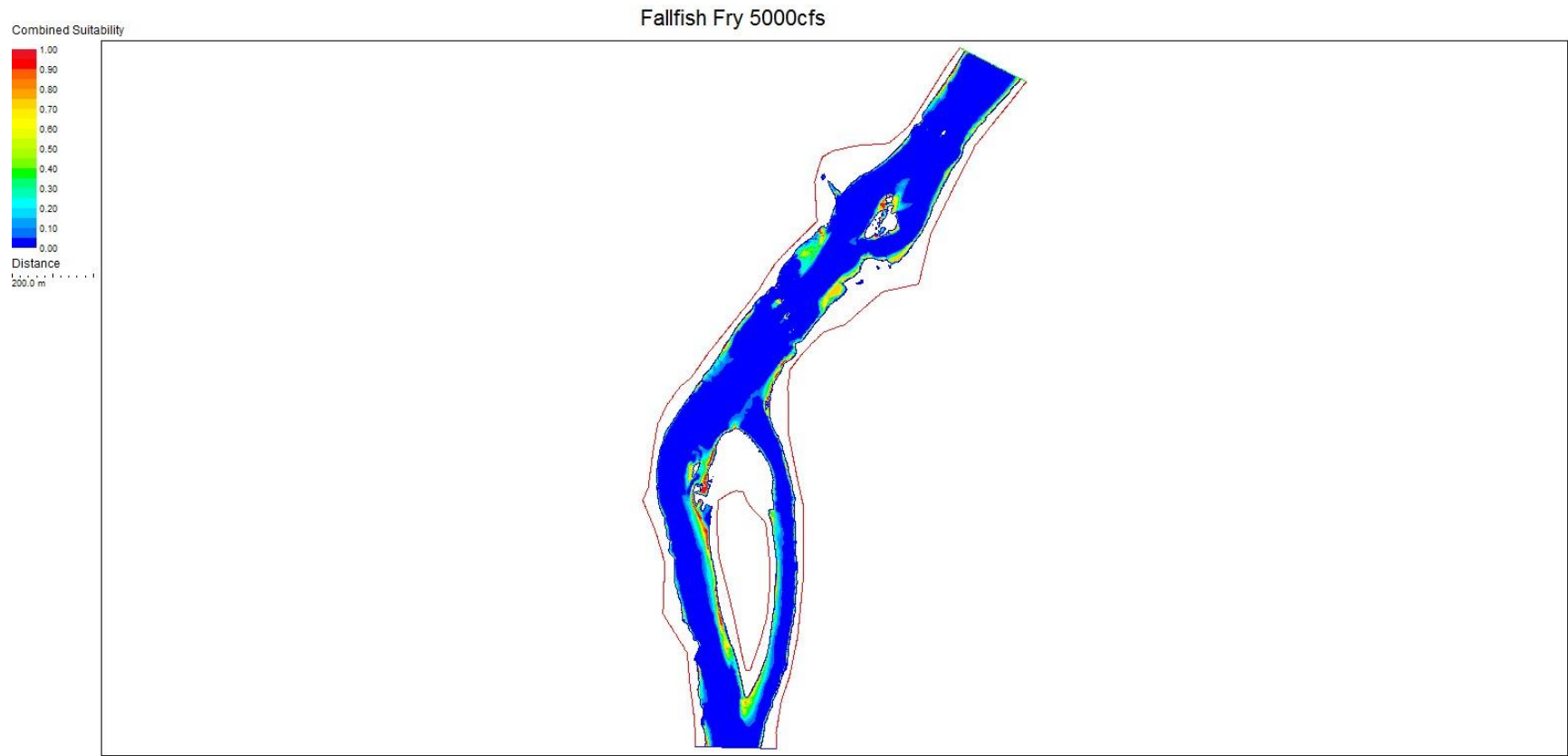


Fallfish Fry 3000cfs

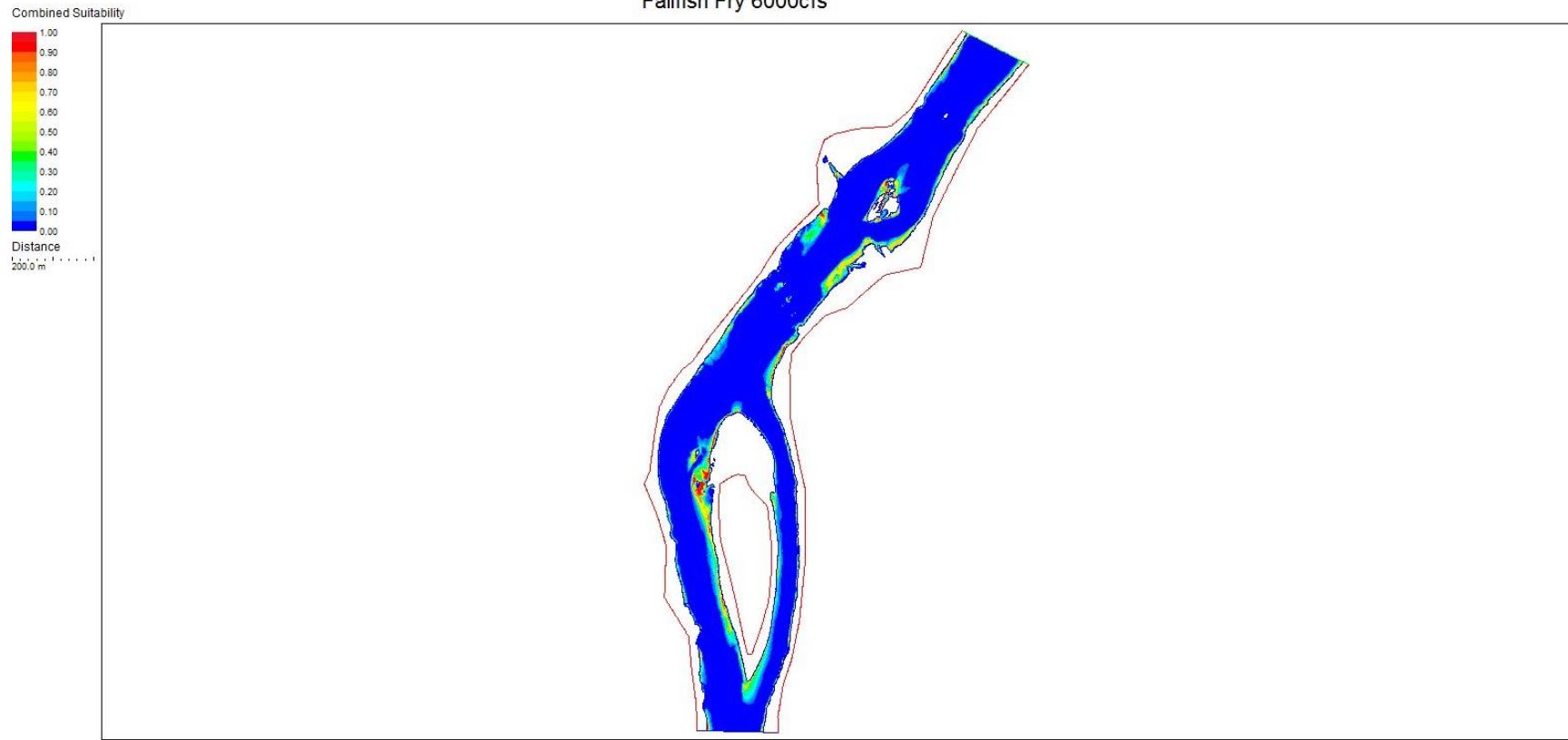


Fallfish Fry 4000cfs

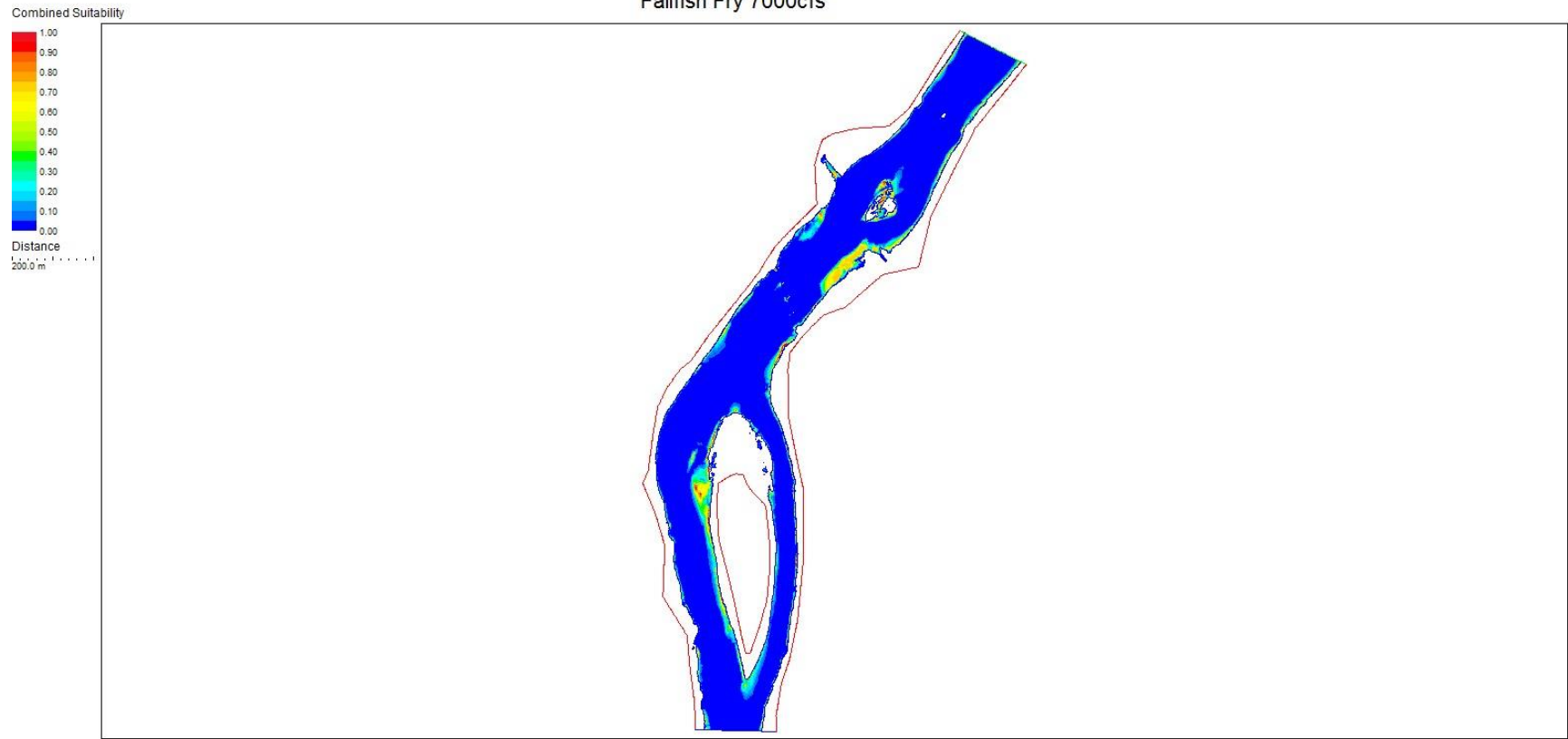


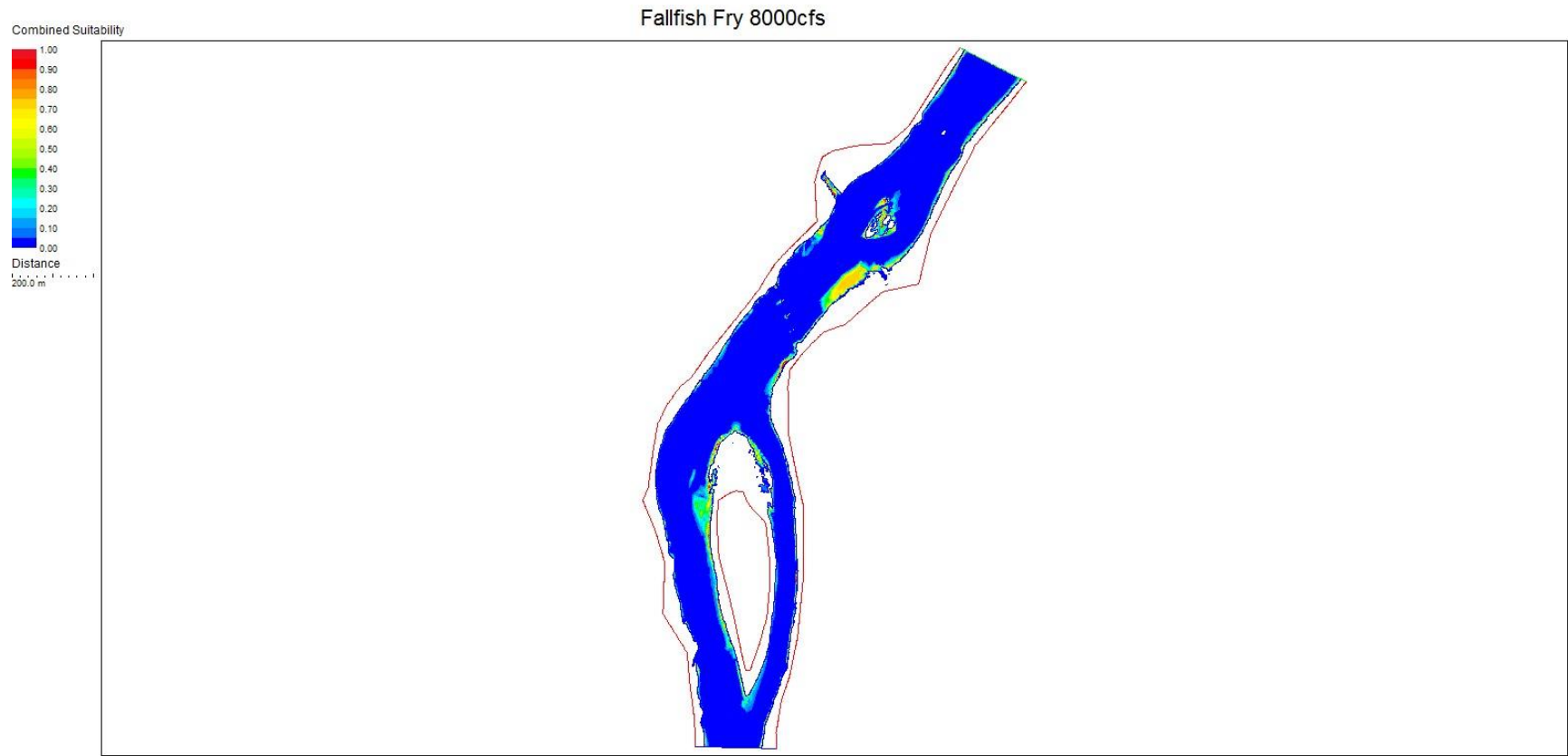


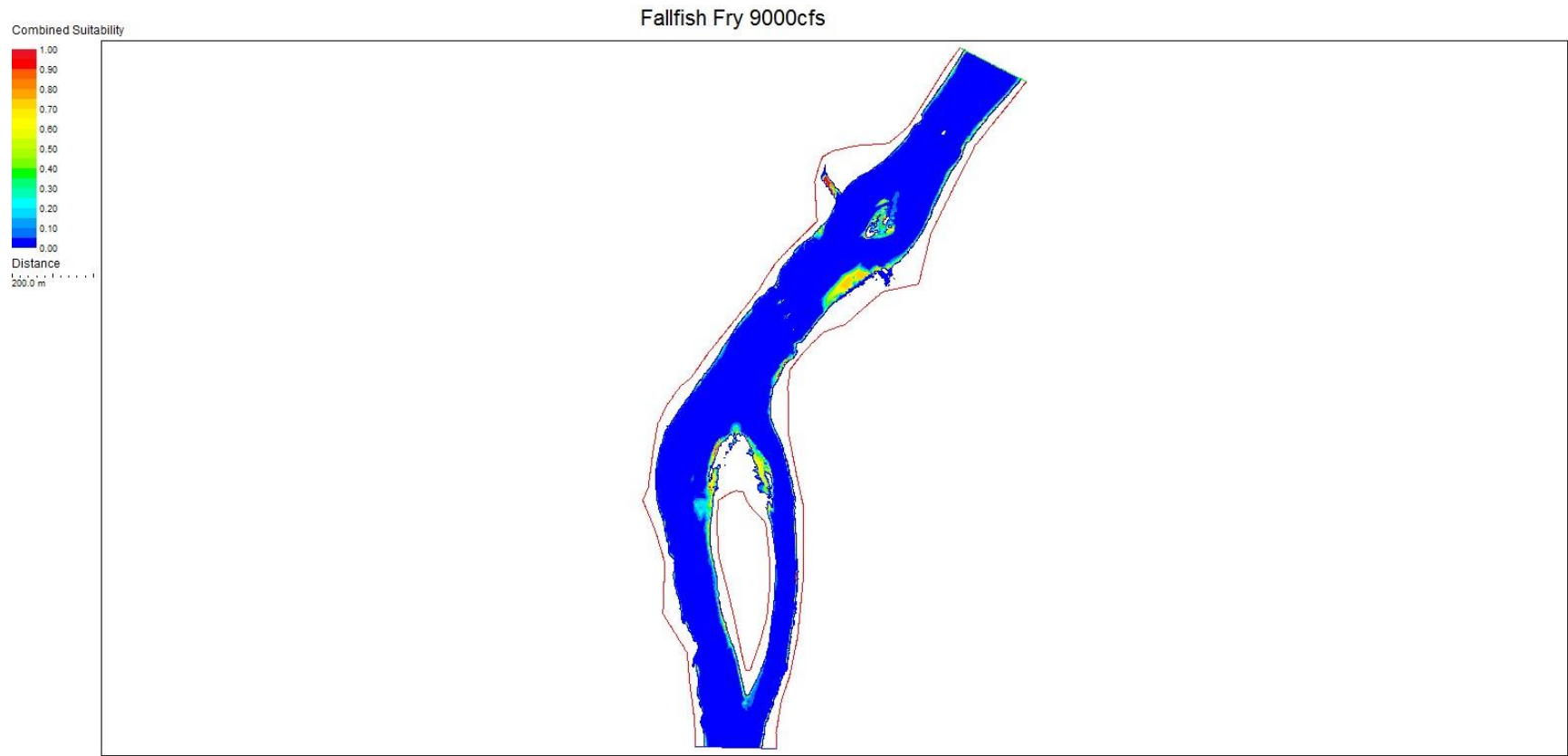
Fallfish Fry 6000cfs



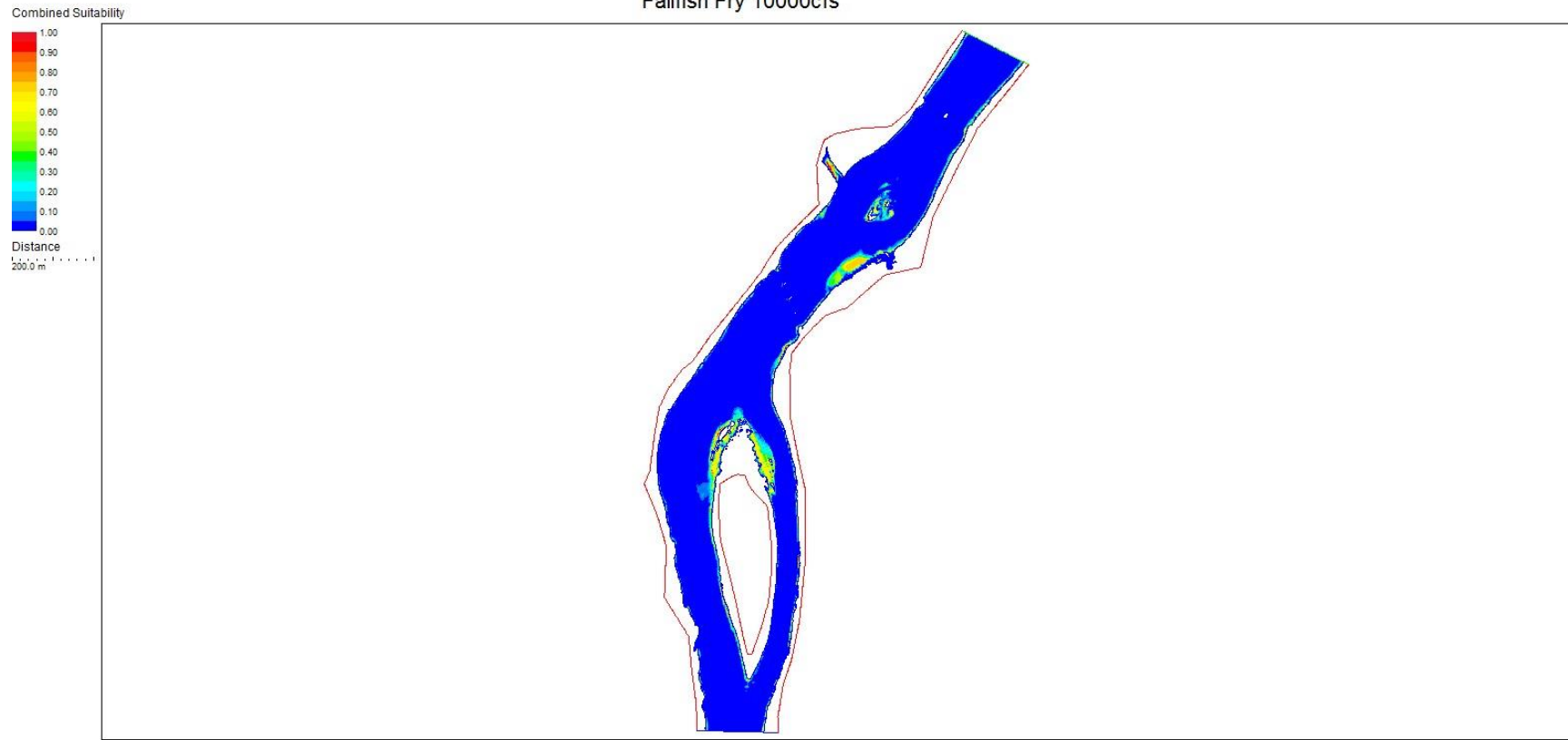
Fallfish Fry 7000cfs

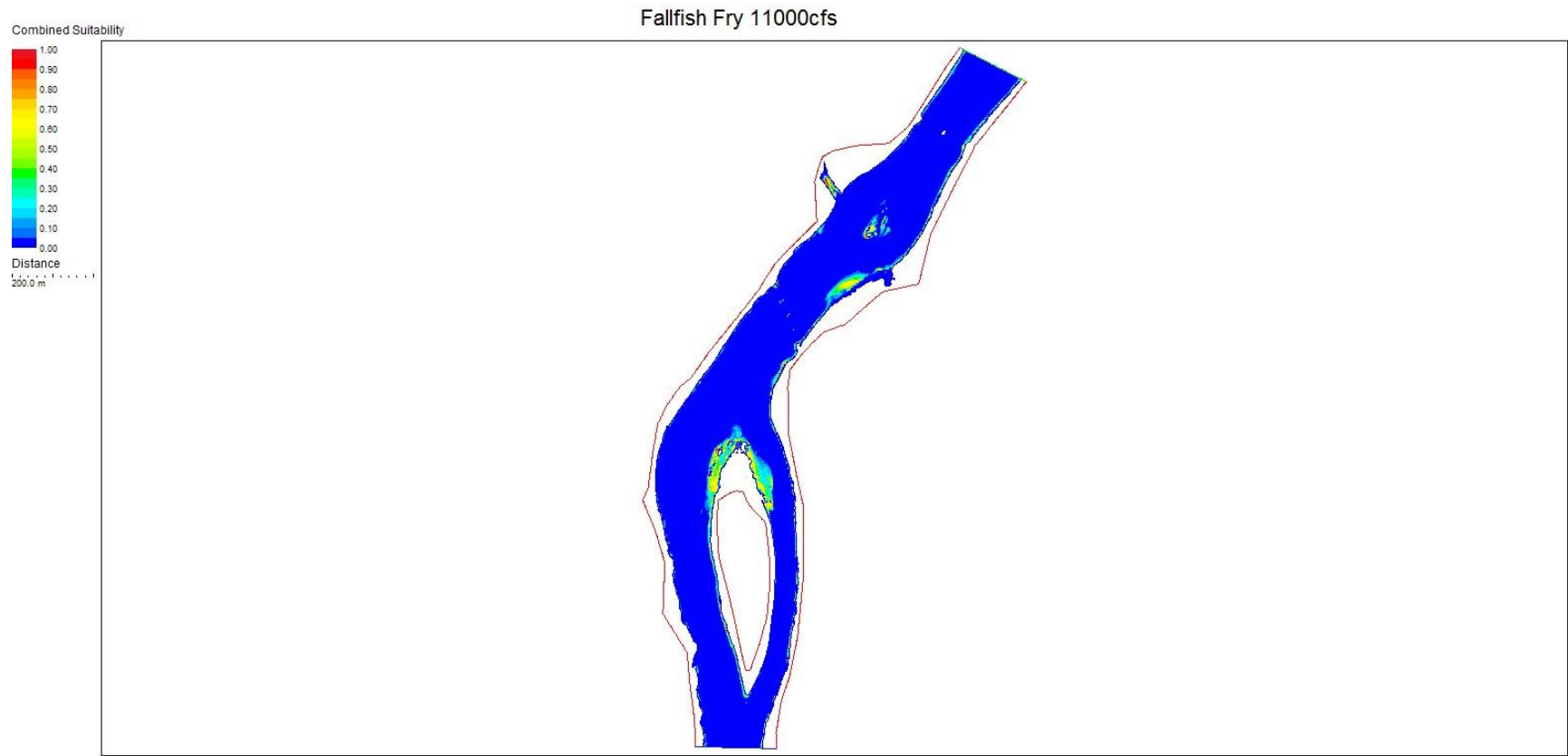




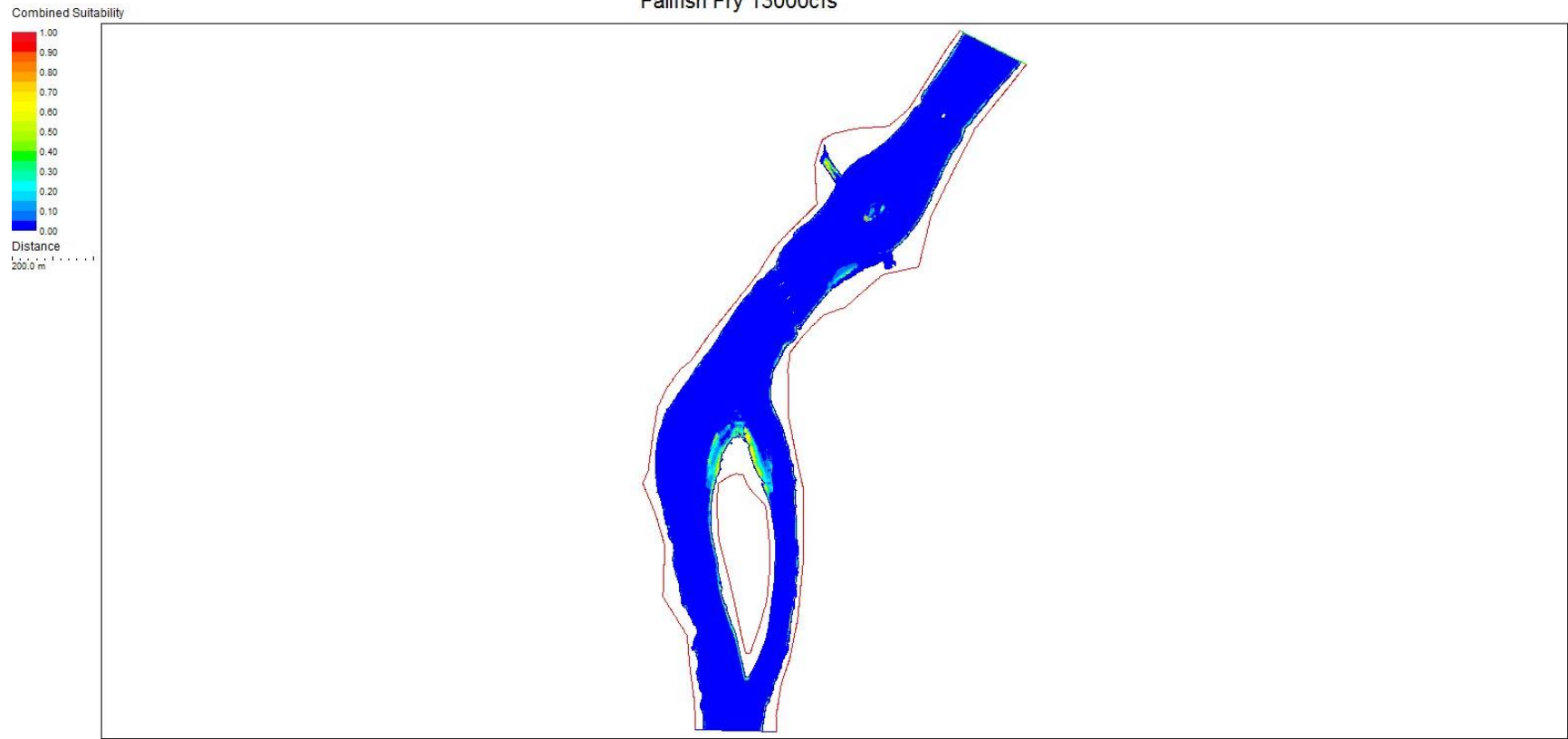


Fallfish Fry 10000cfs

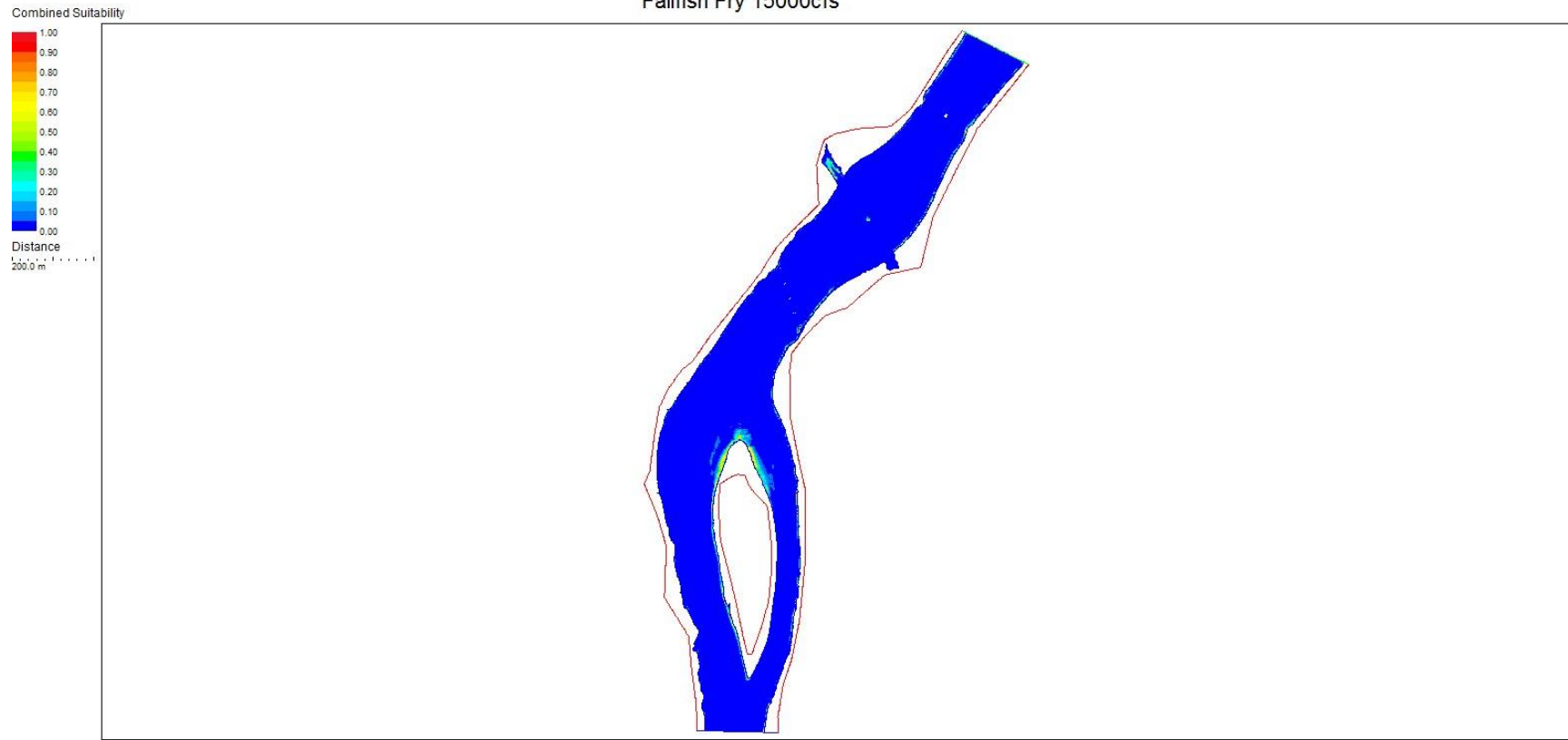


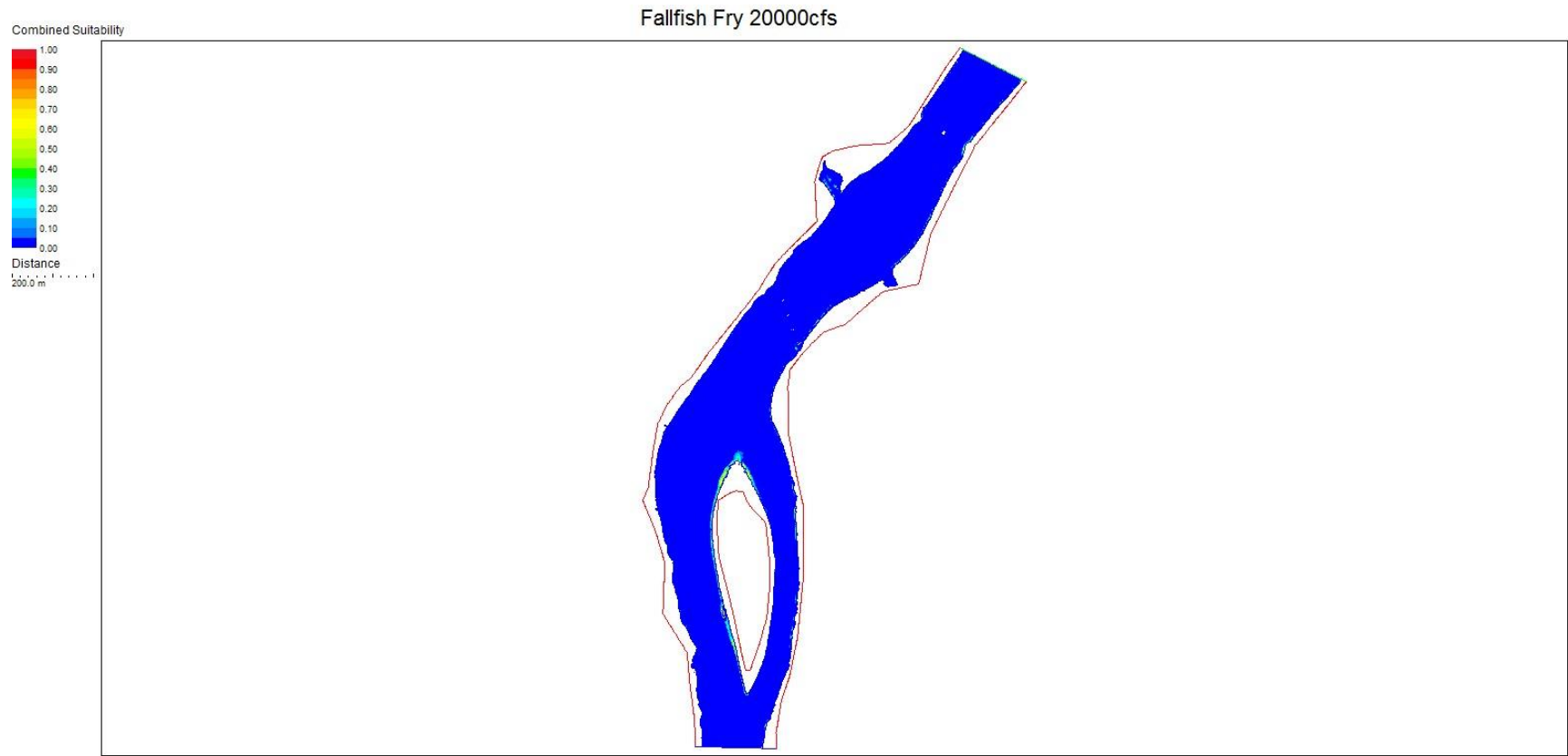


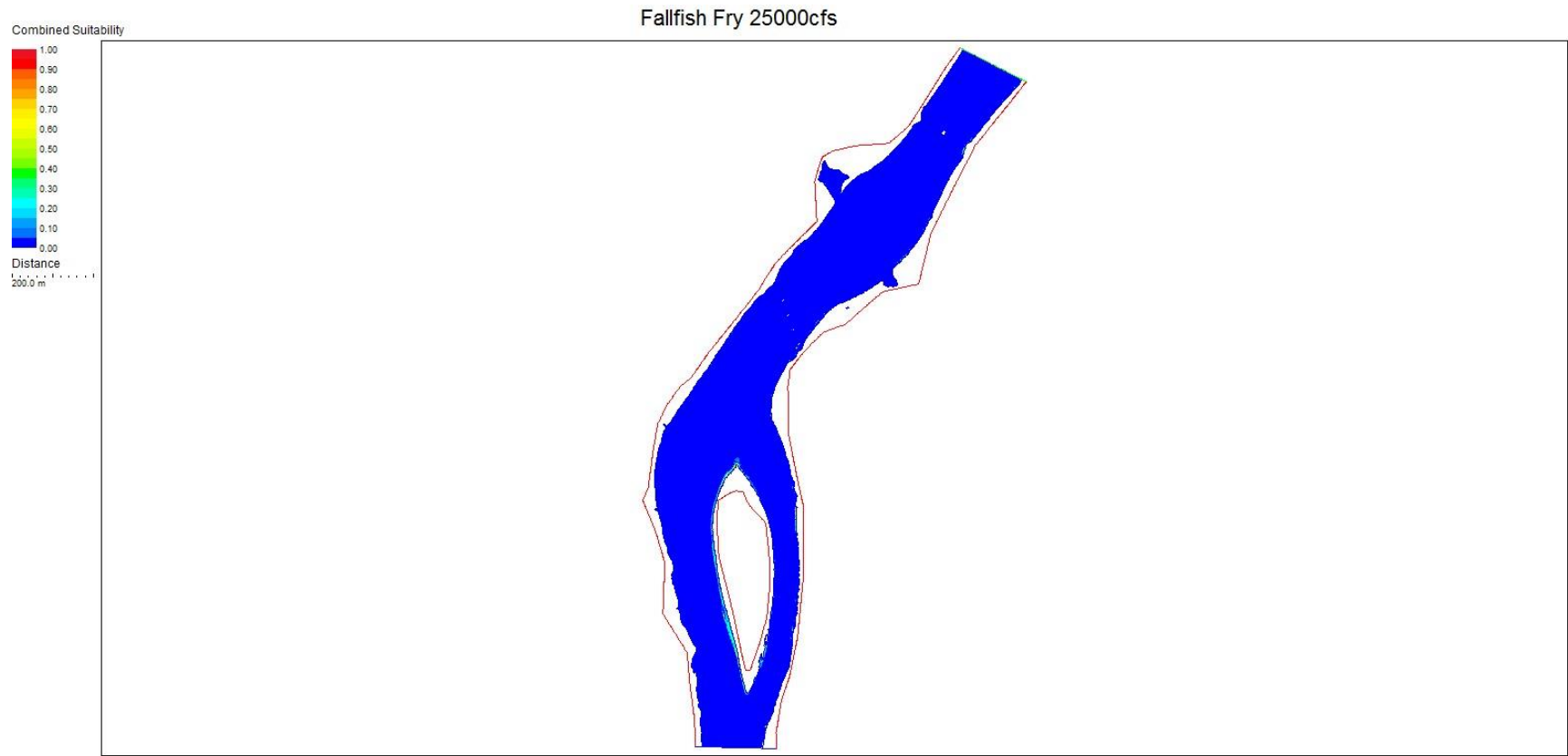
Fallfish Fry 13000cfs



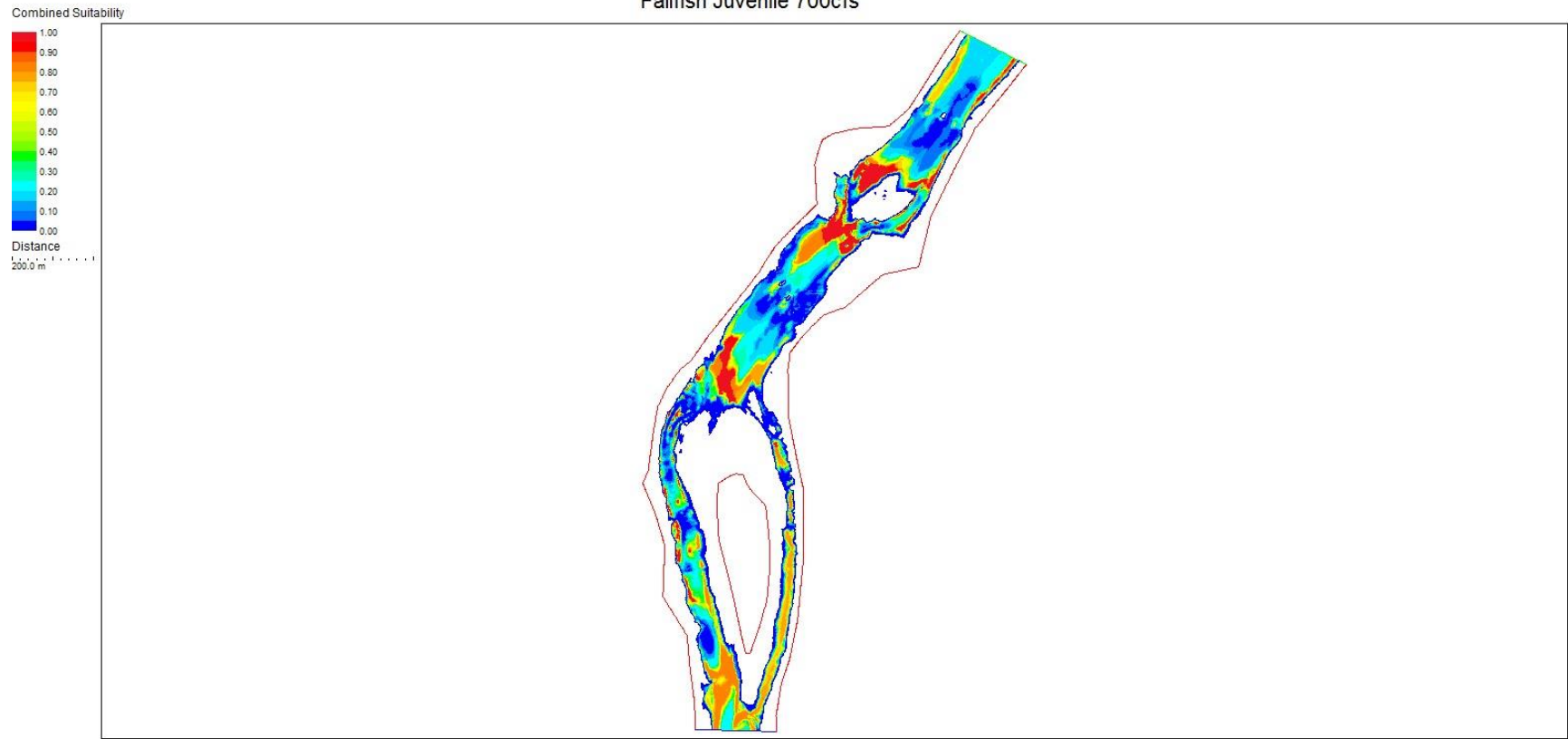
Fallfish Fry 15000cfs

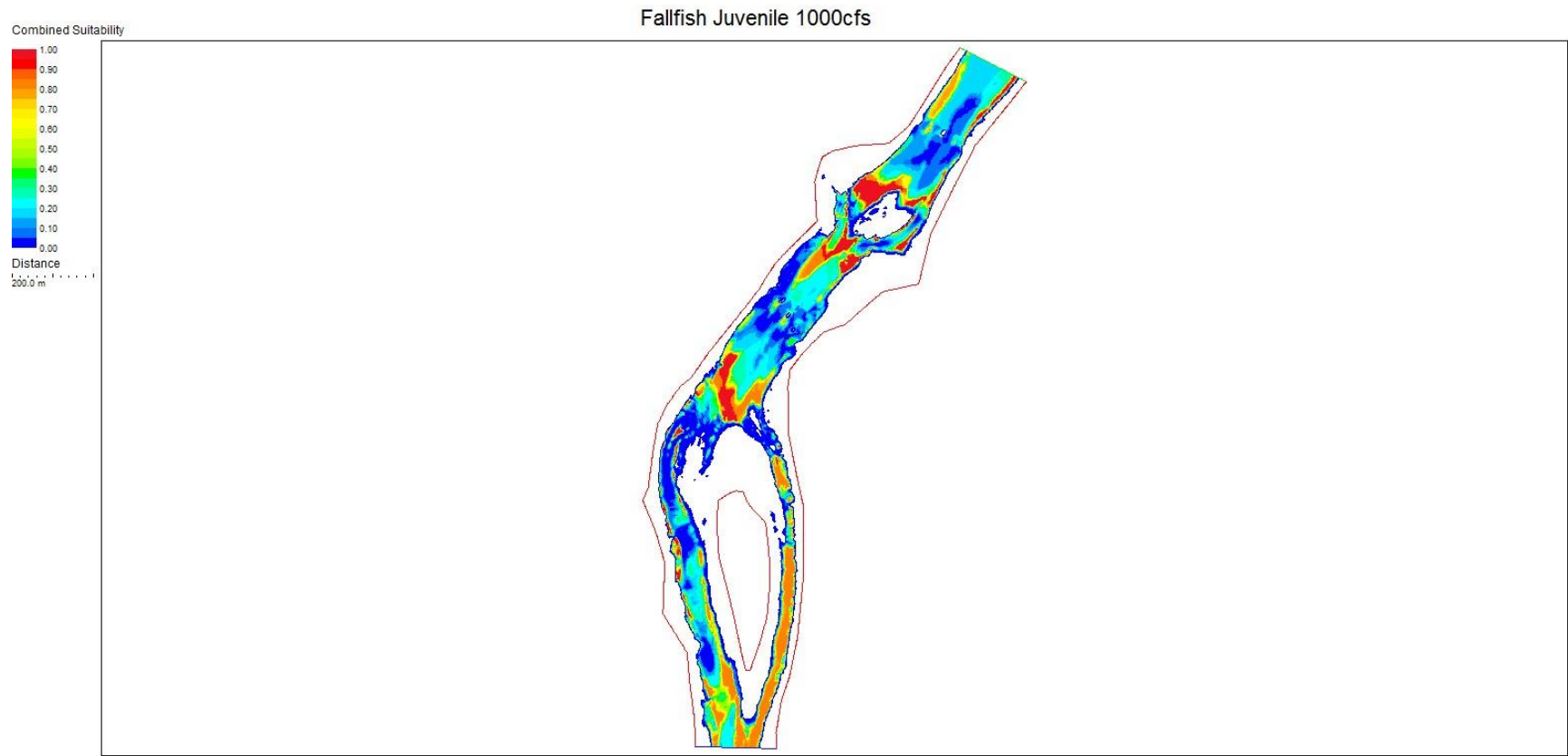


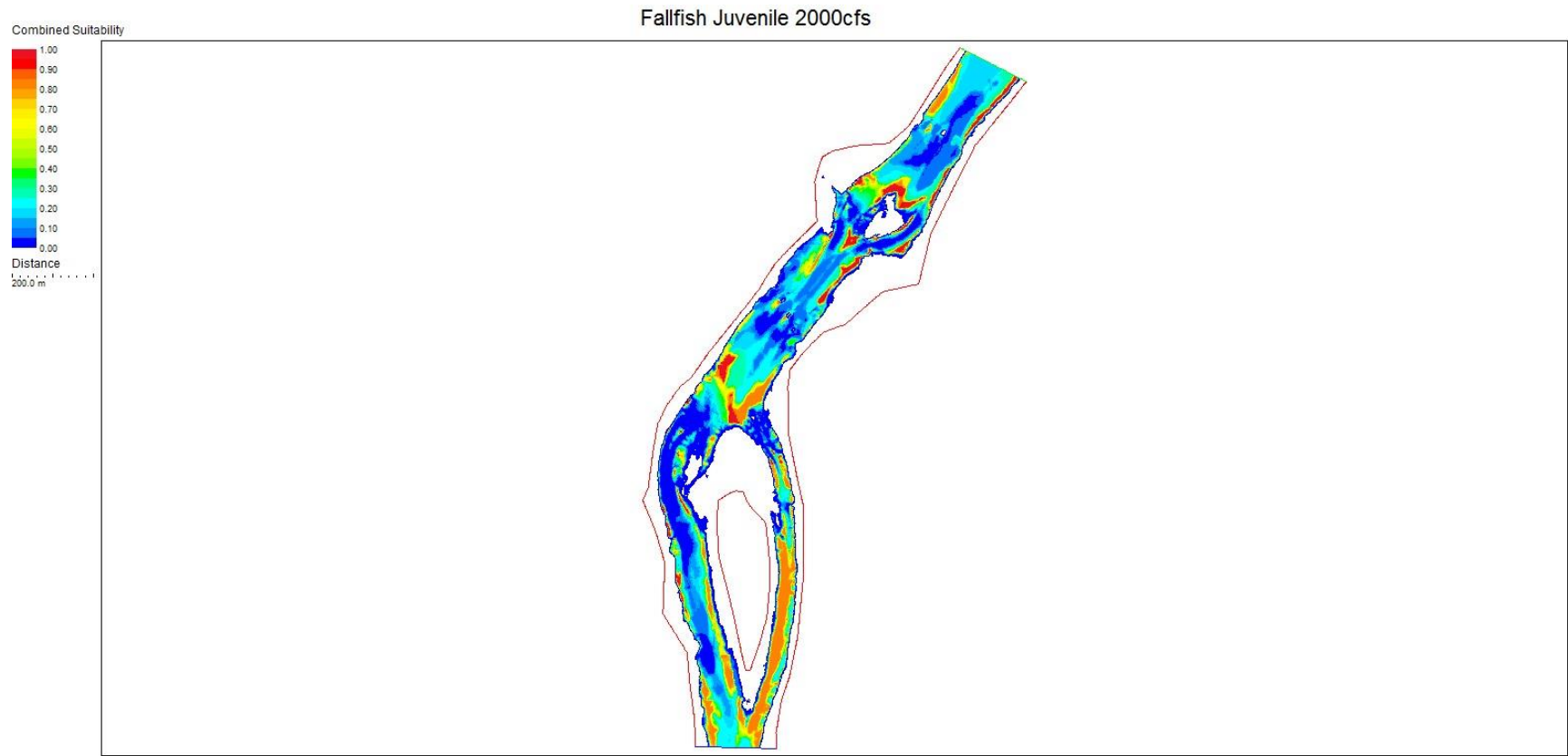


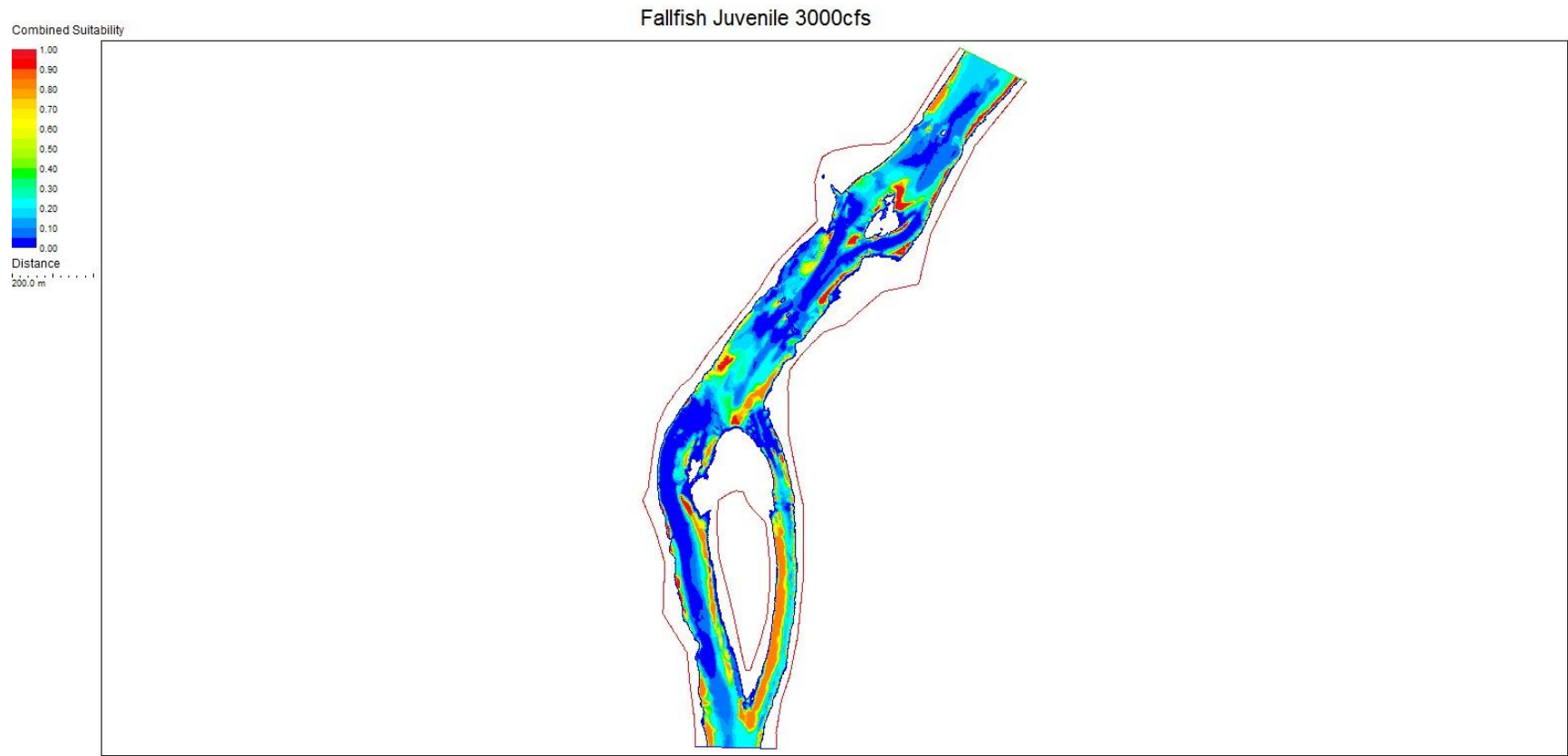


Fallfish Juvenile 700cfs

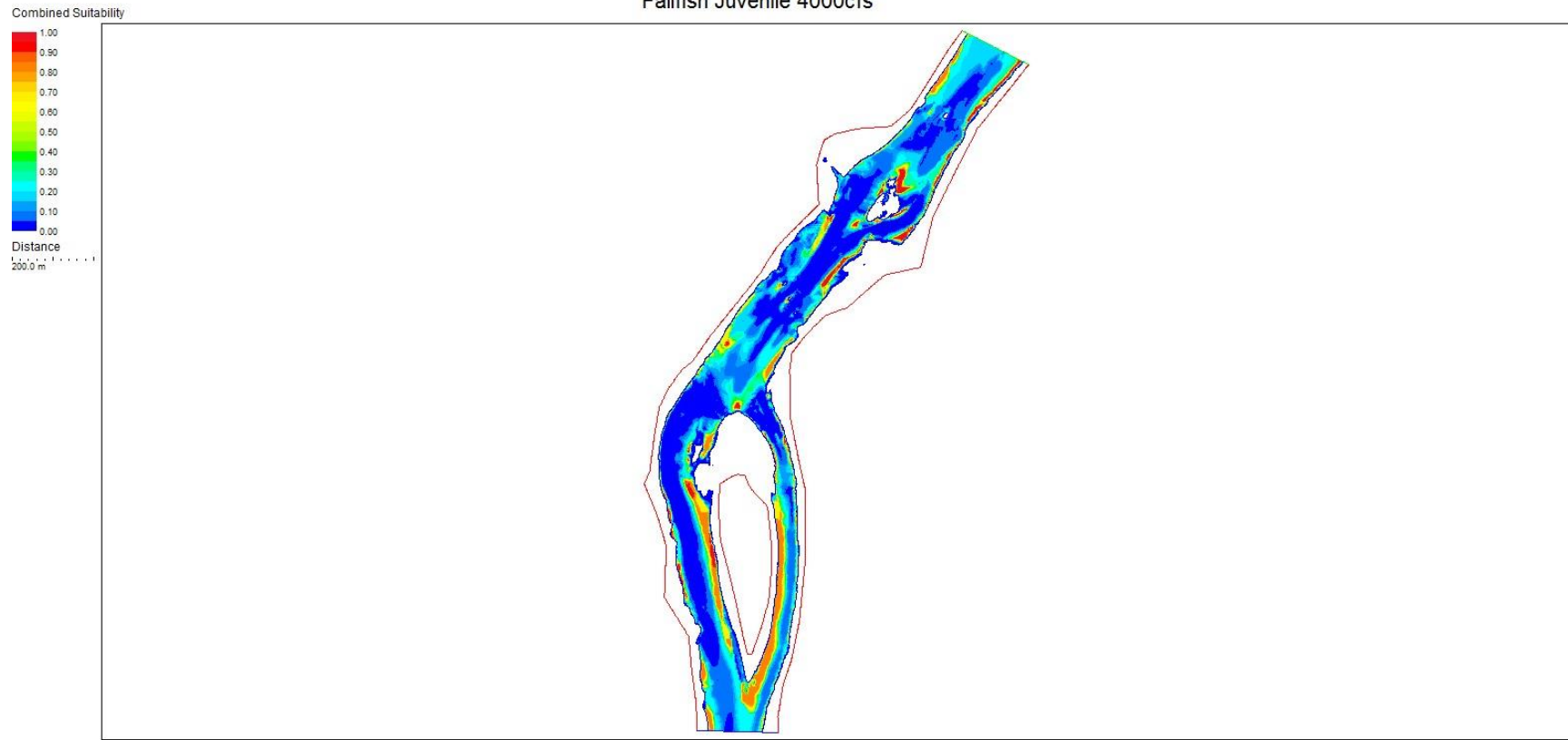




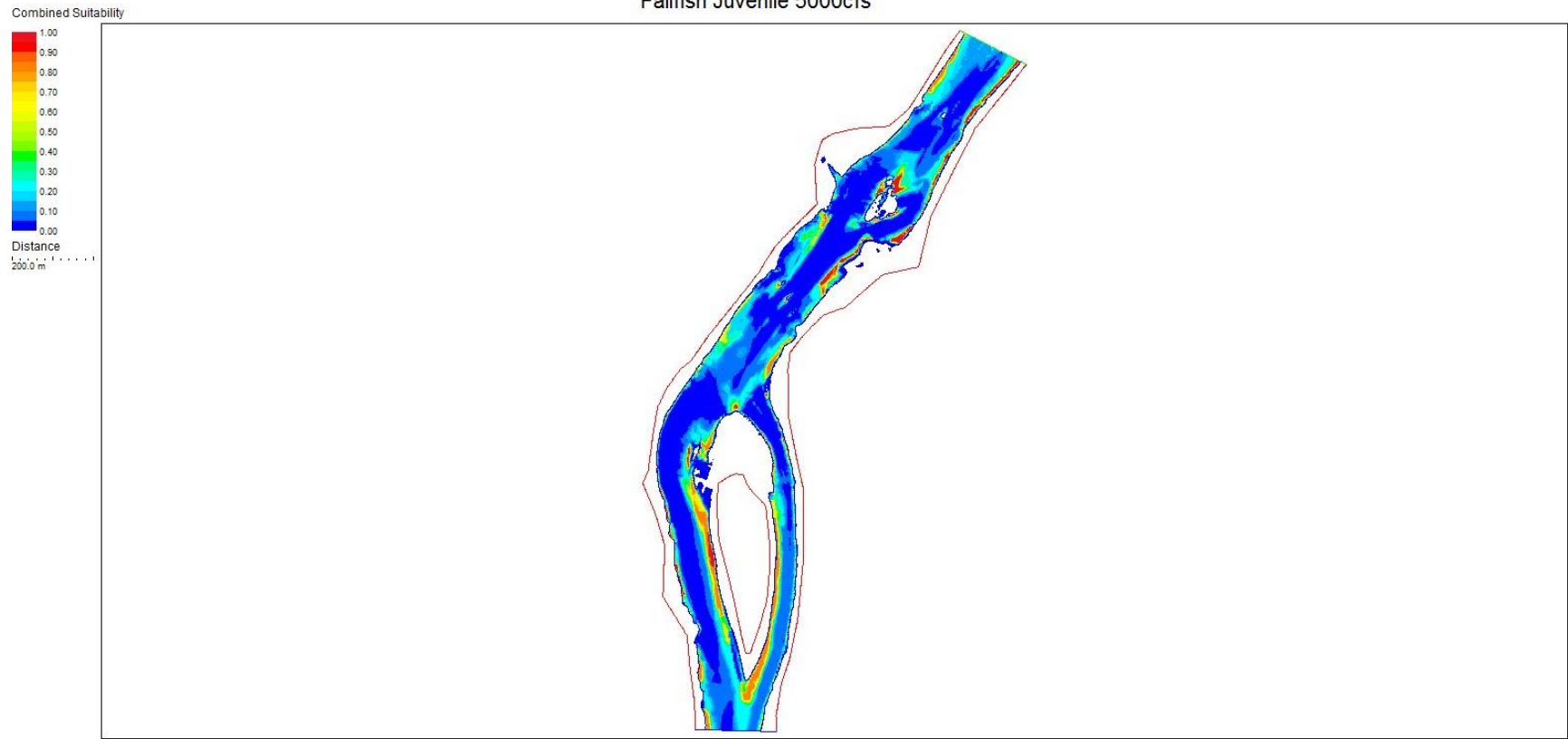


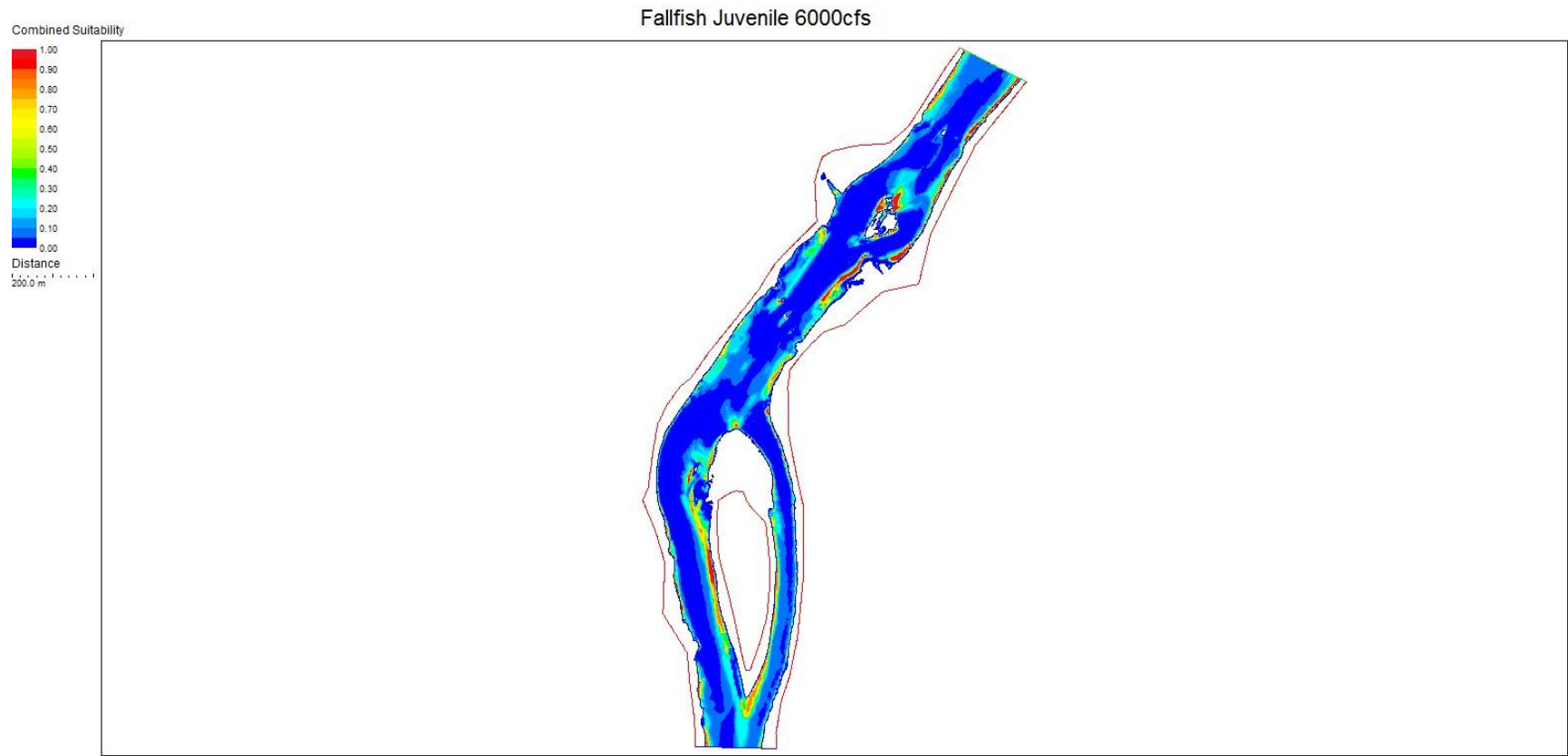


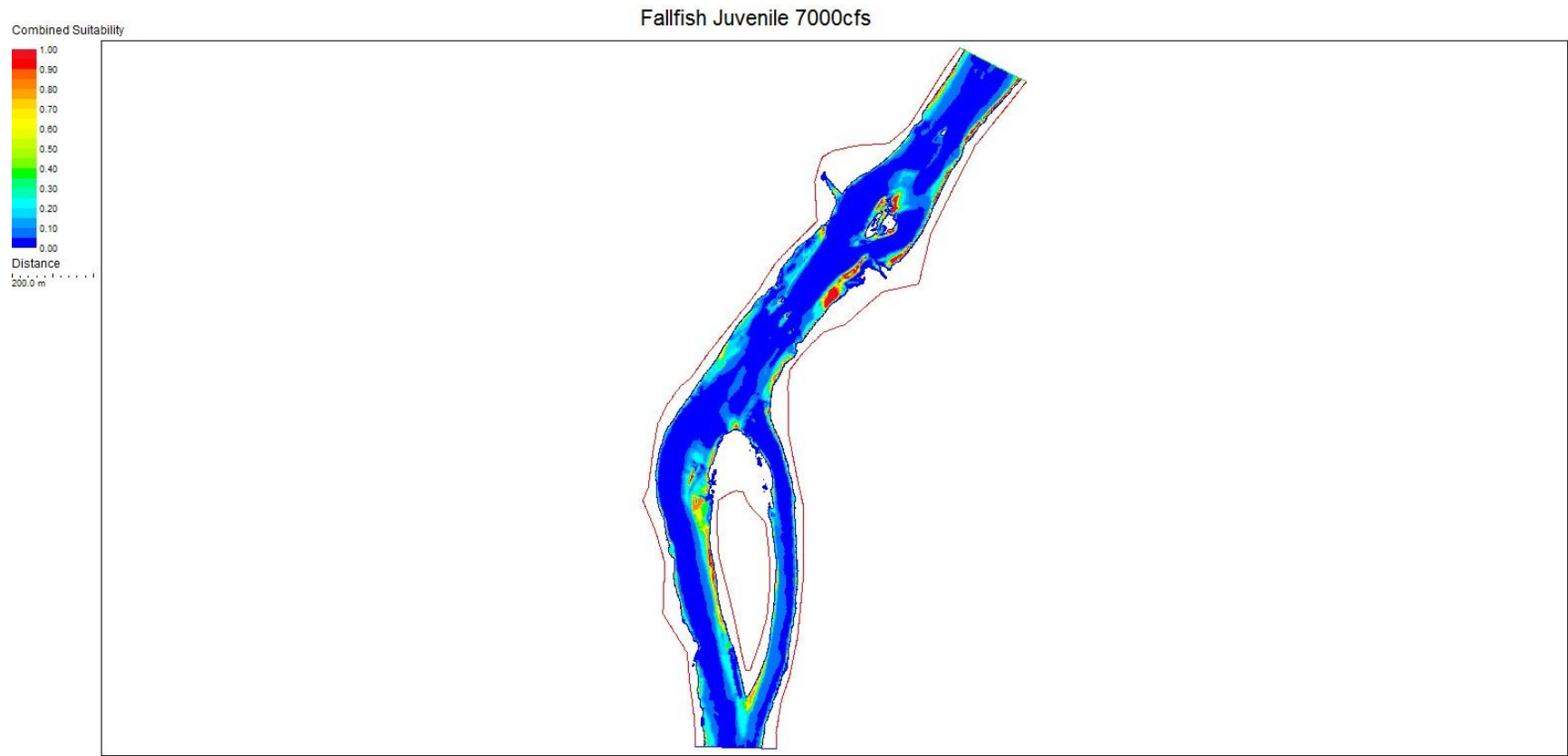
Fallfish Juvenile 4000cfs



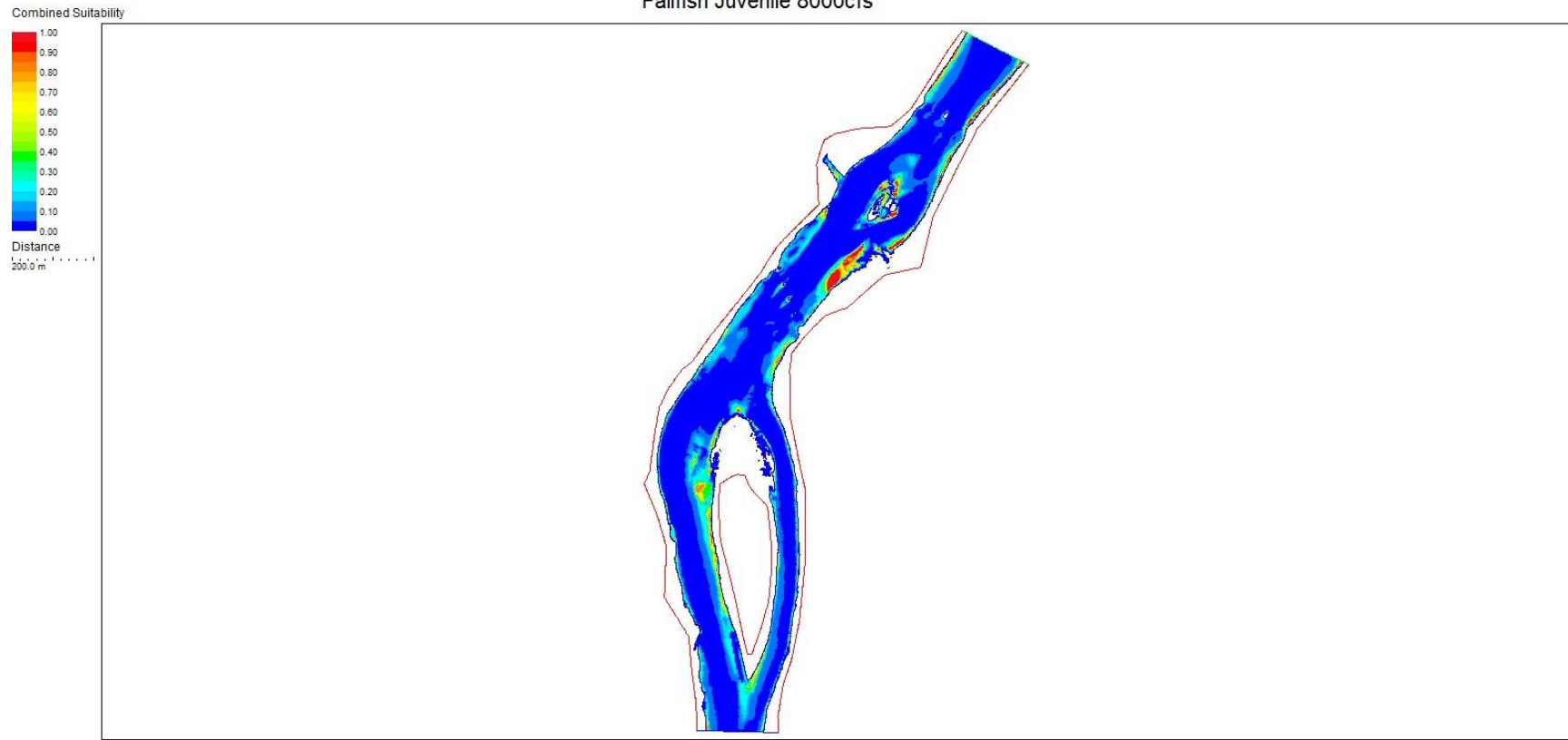
Fallfish Juvenile 5000cfs



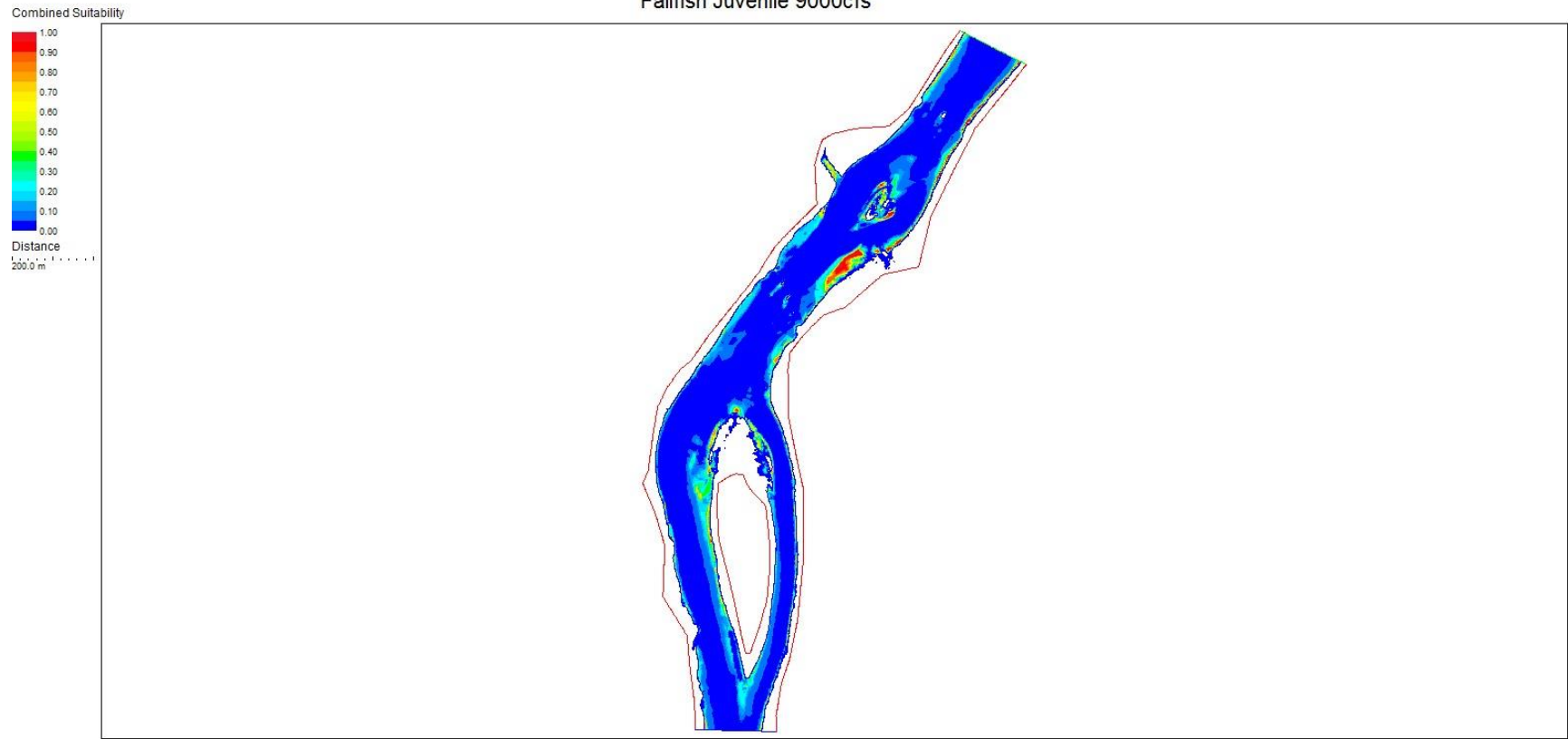


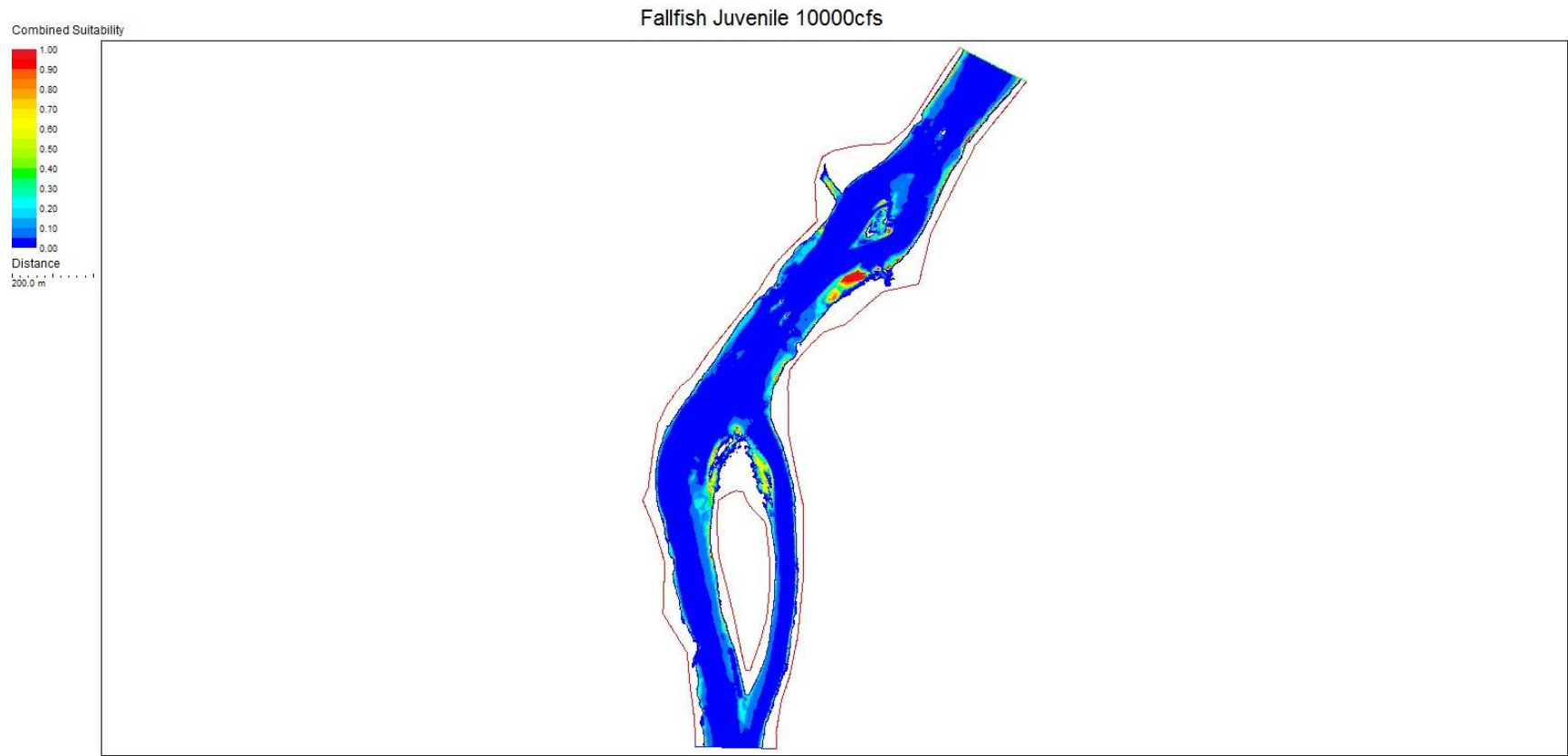


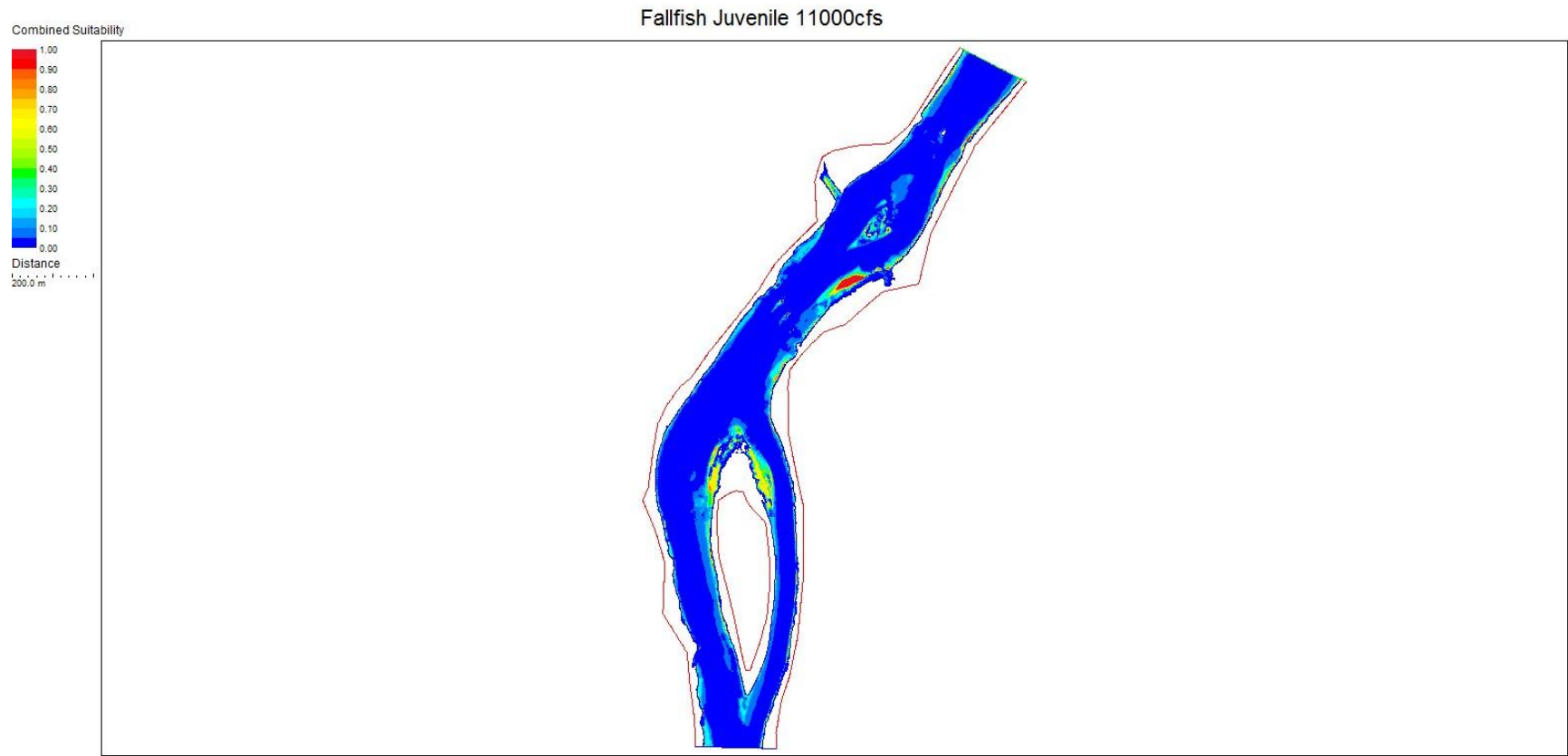
Fallfish Juvenile 8000cfs

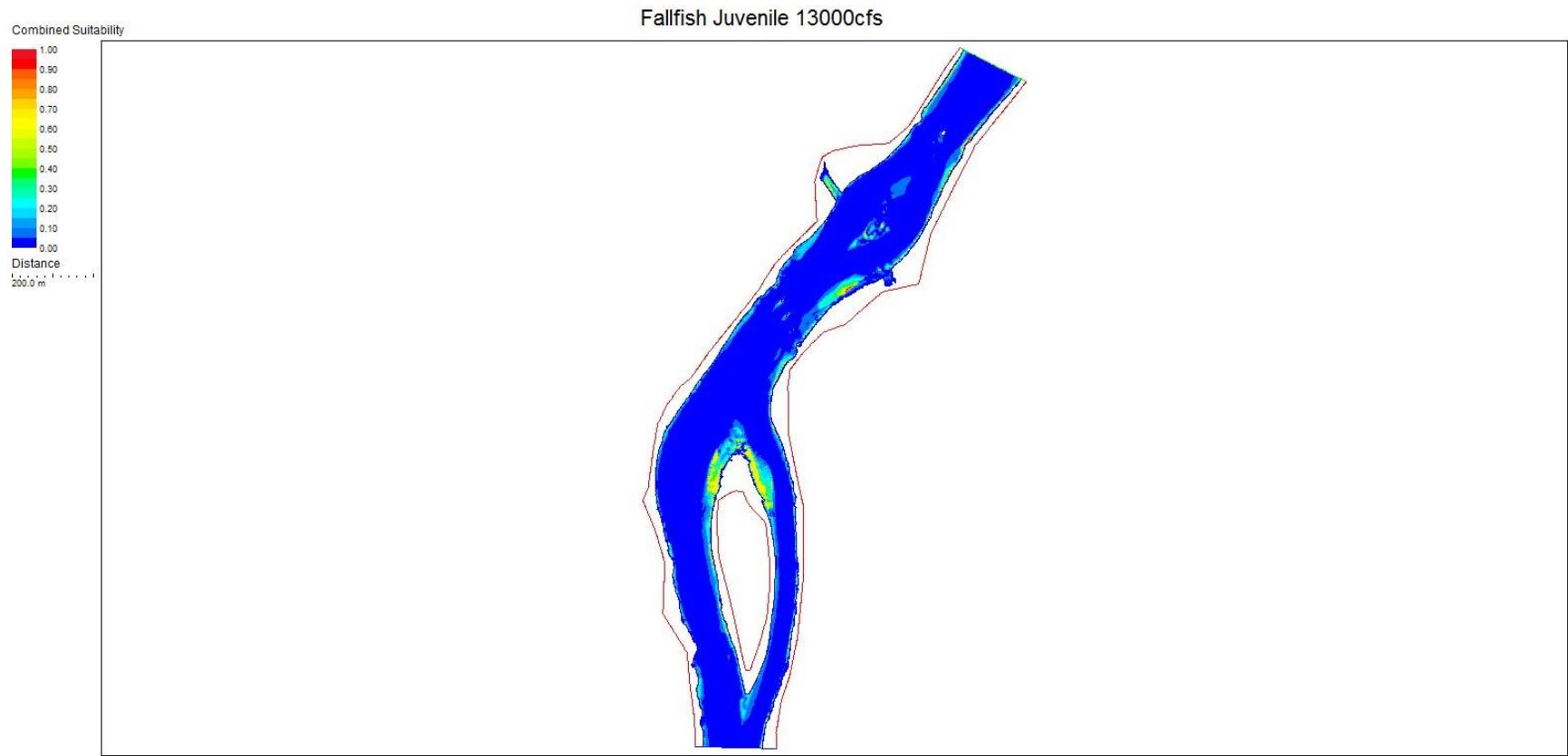


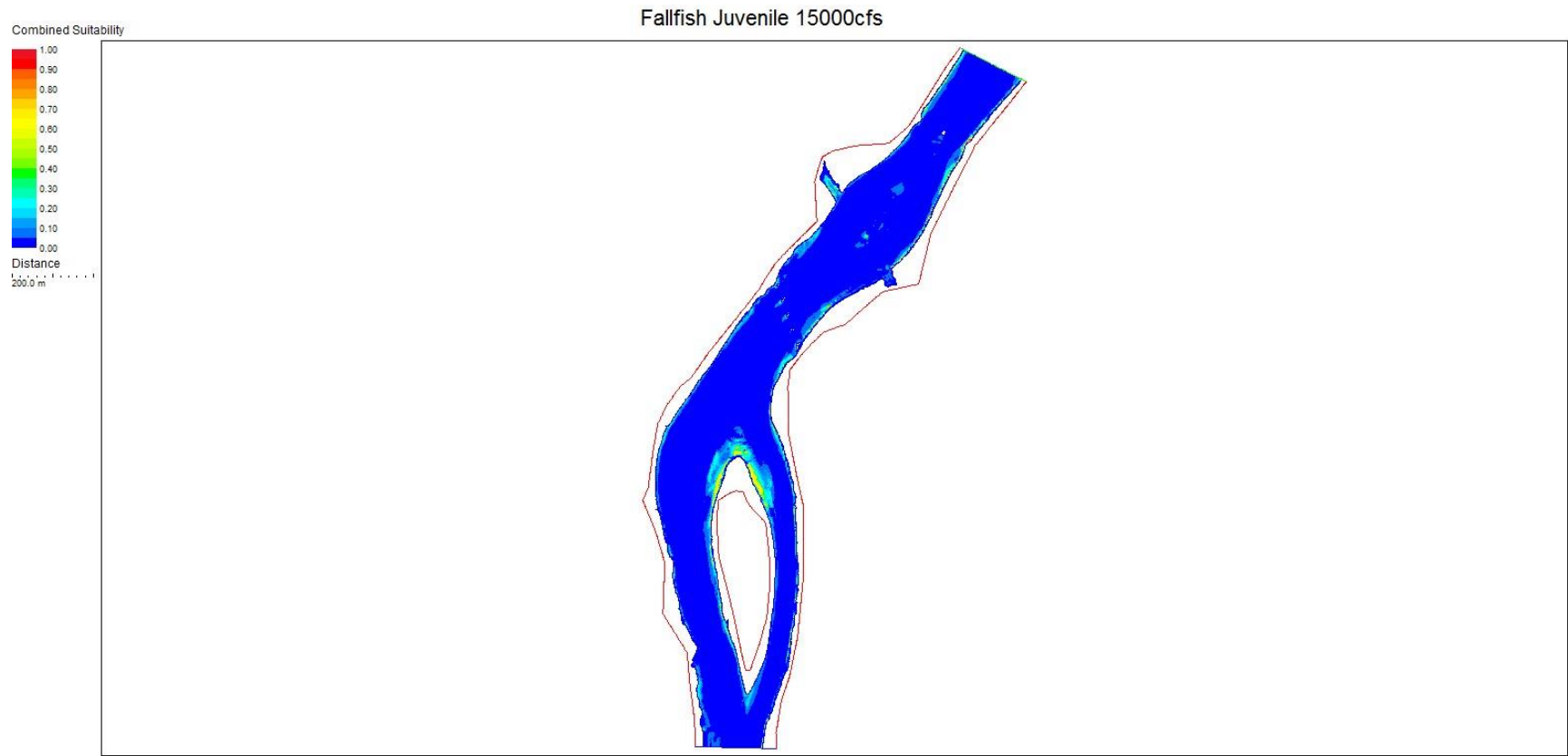
Fallfish Juvenile 9000cfs

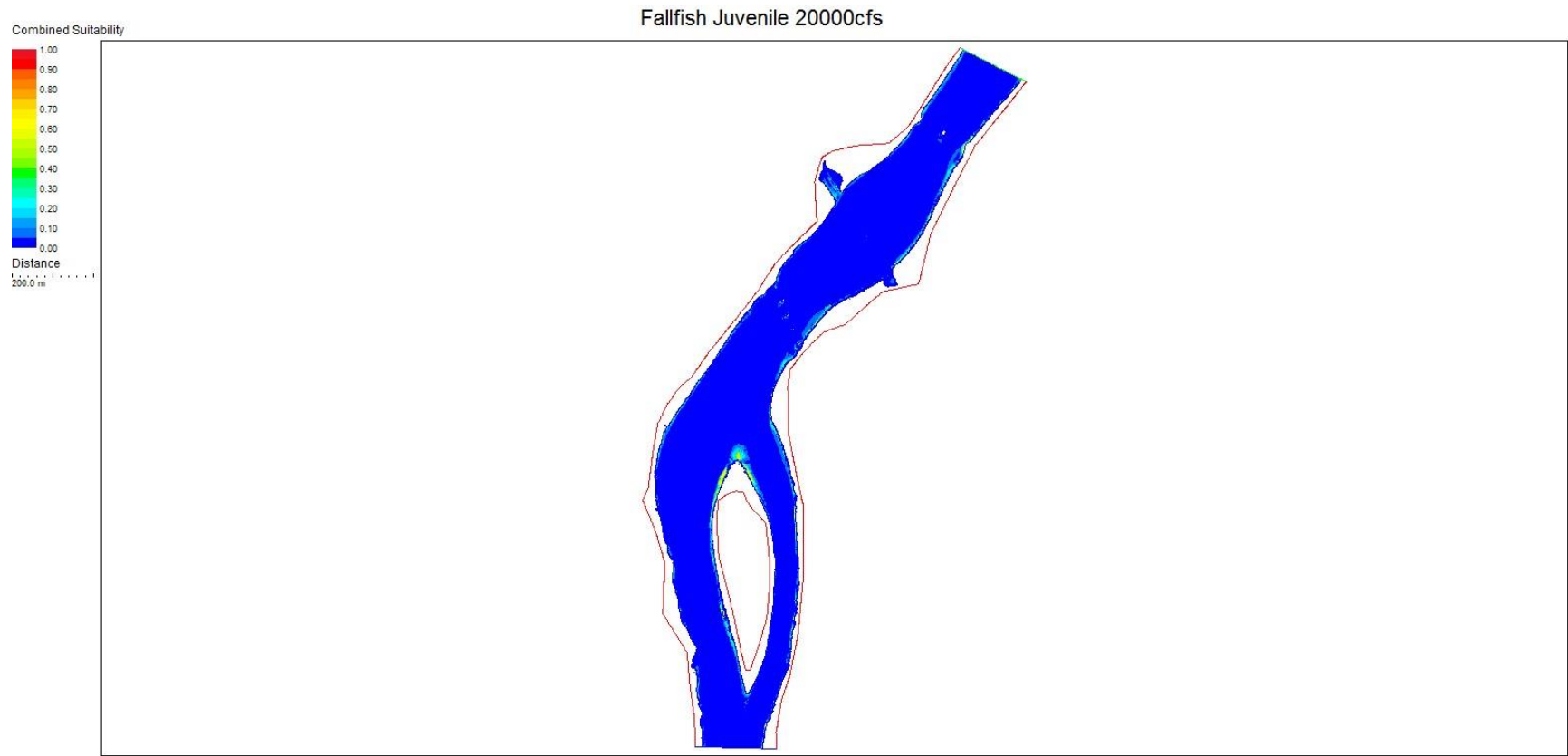


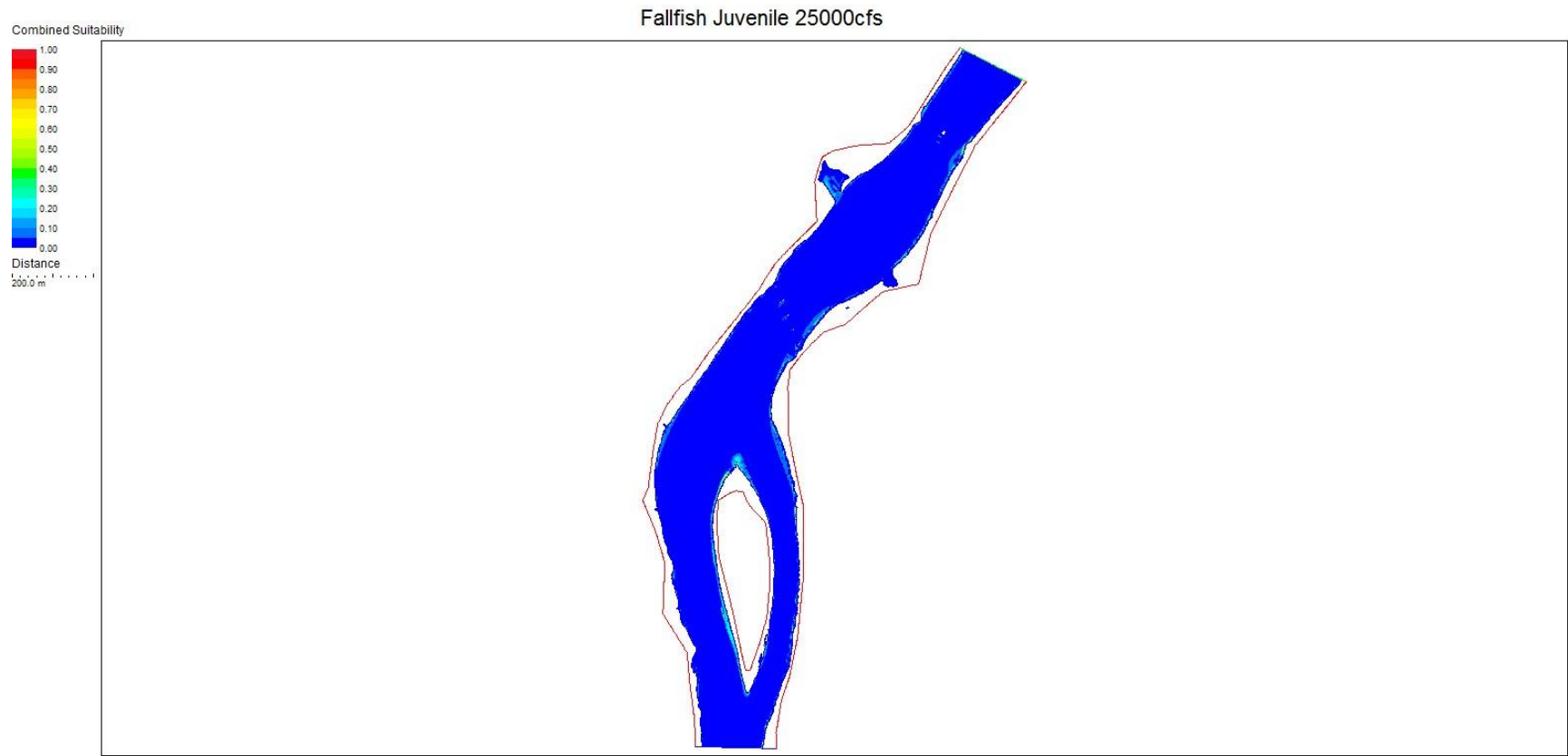




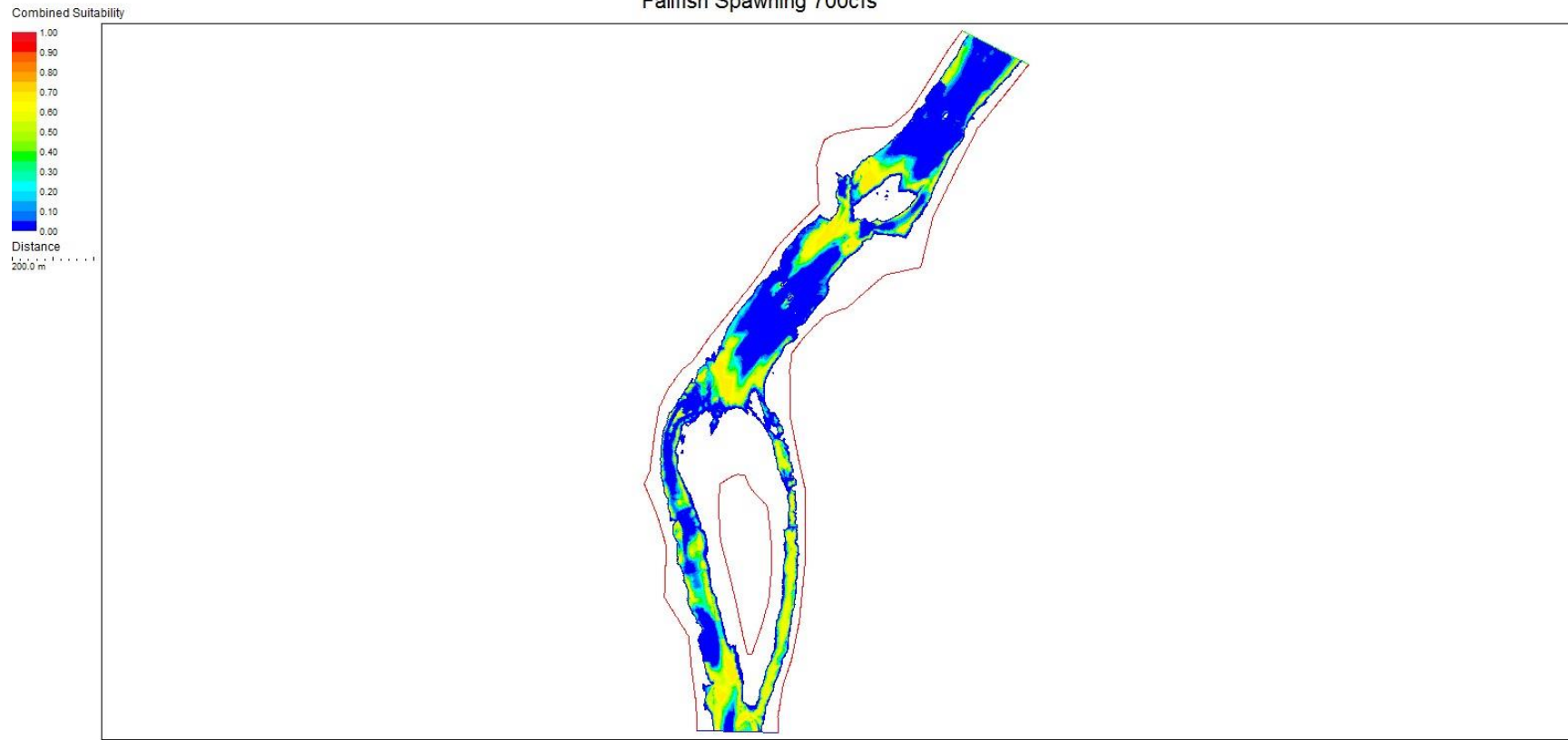


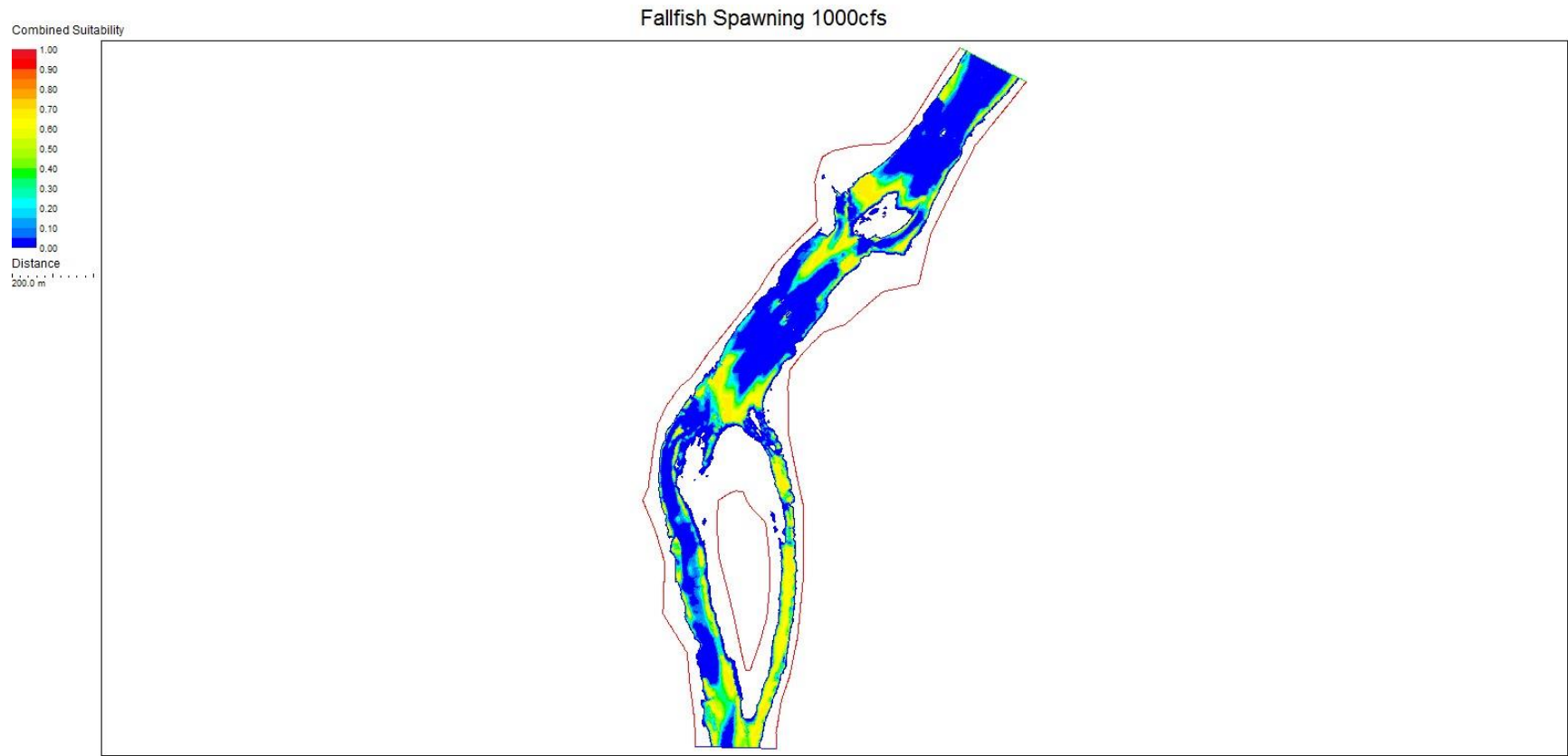


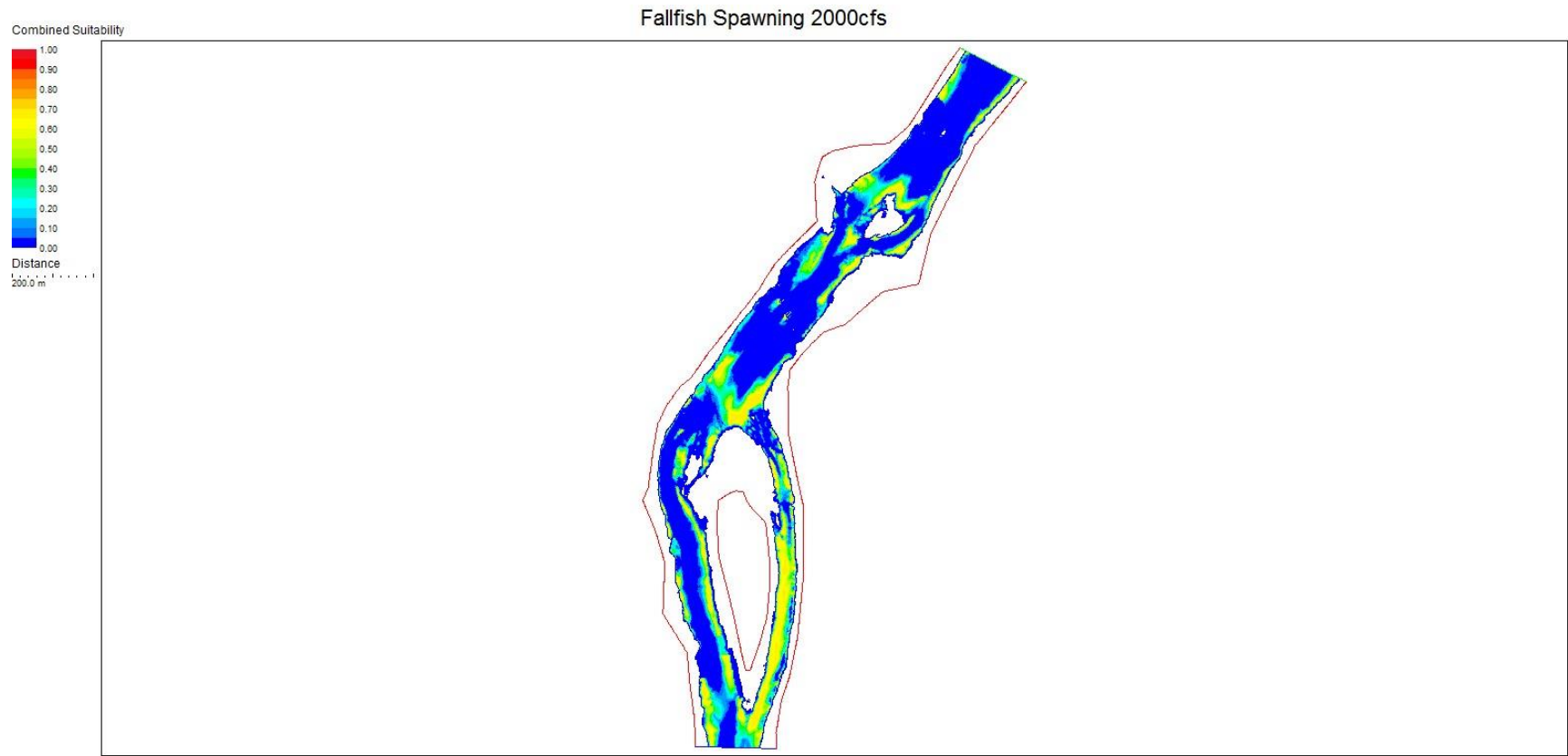


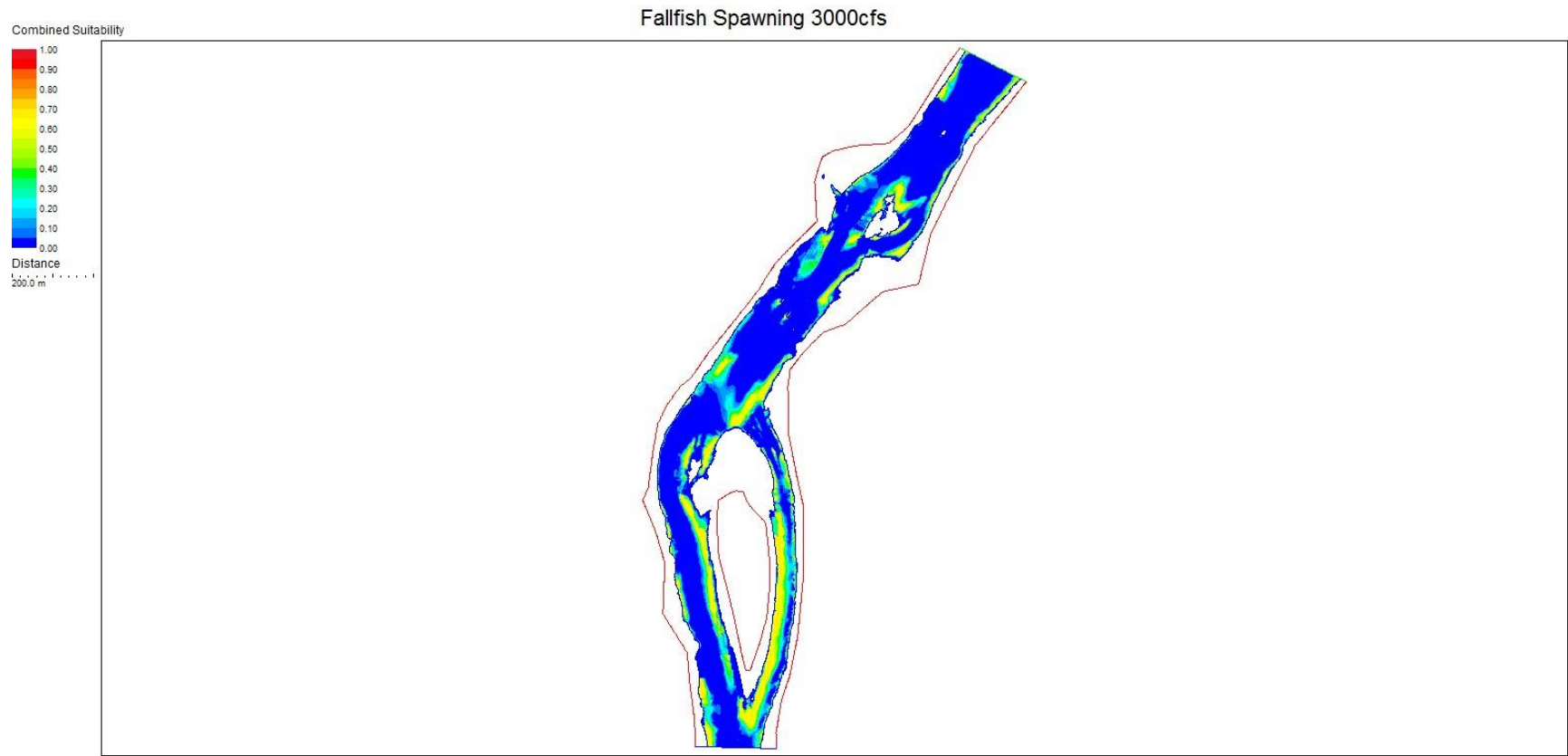


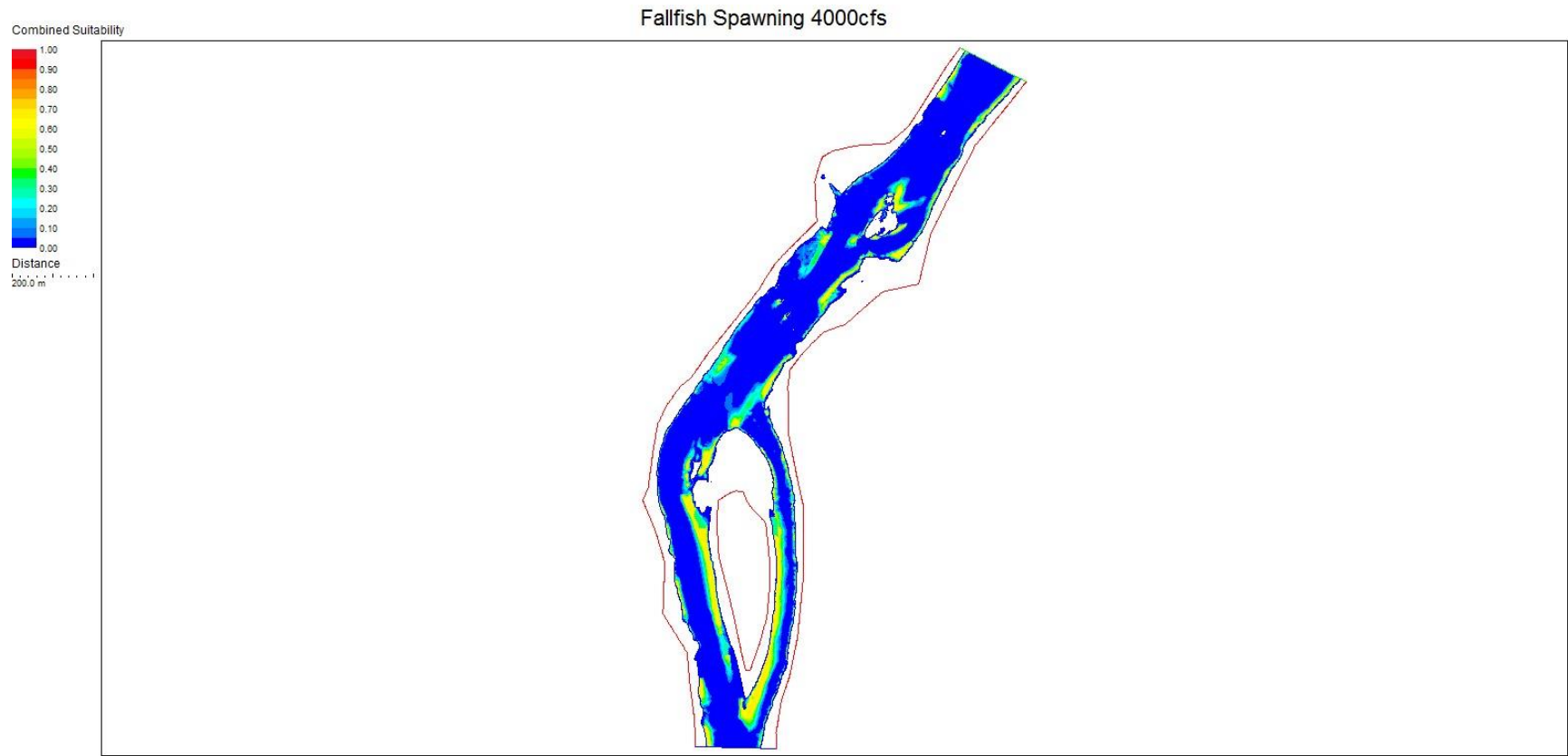
Fallfish Spawning 700cfs

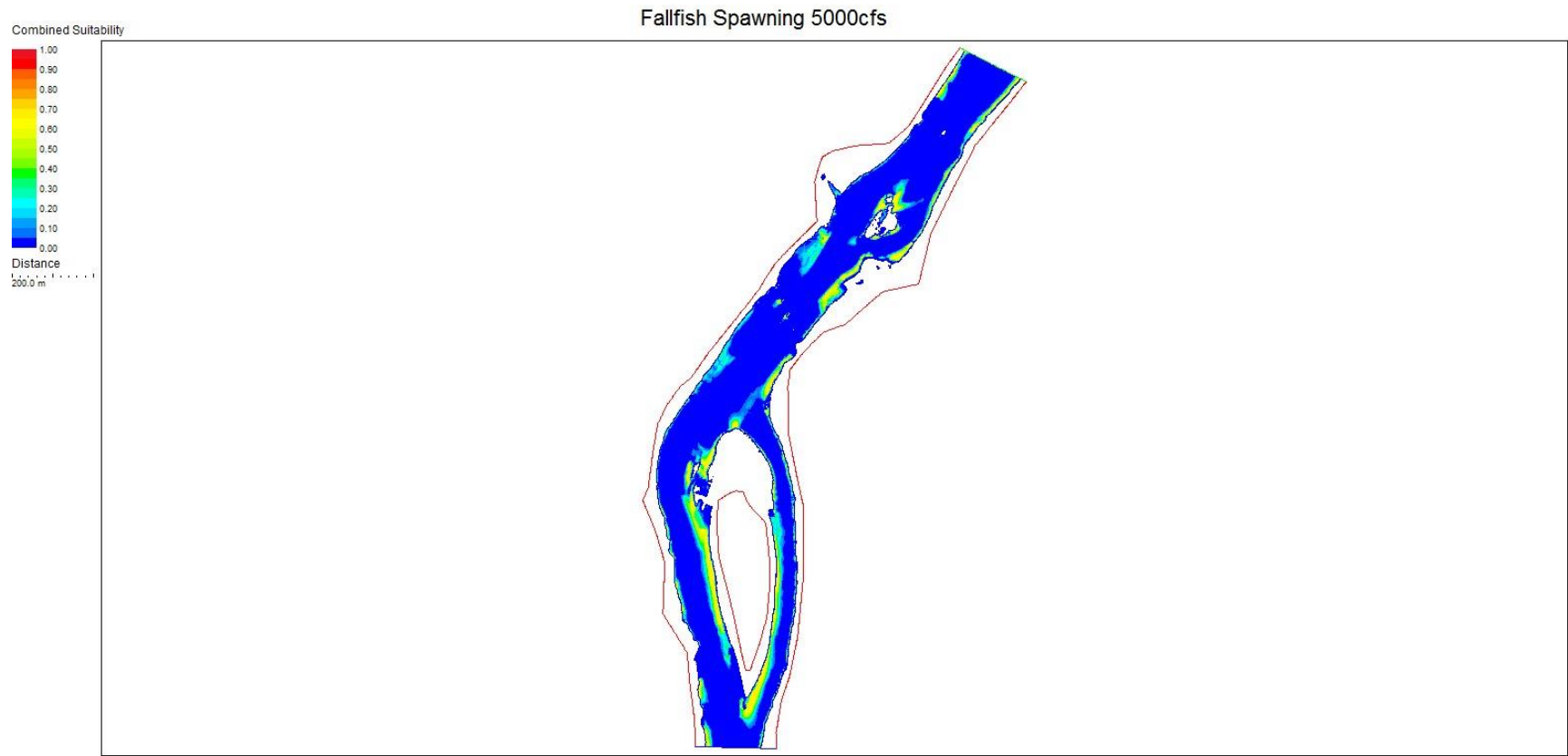




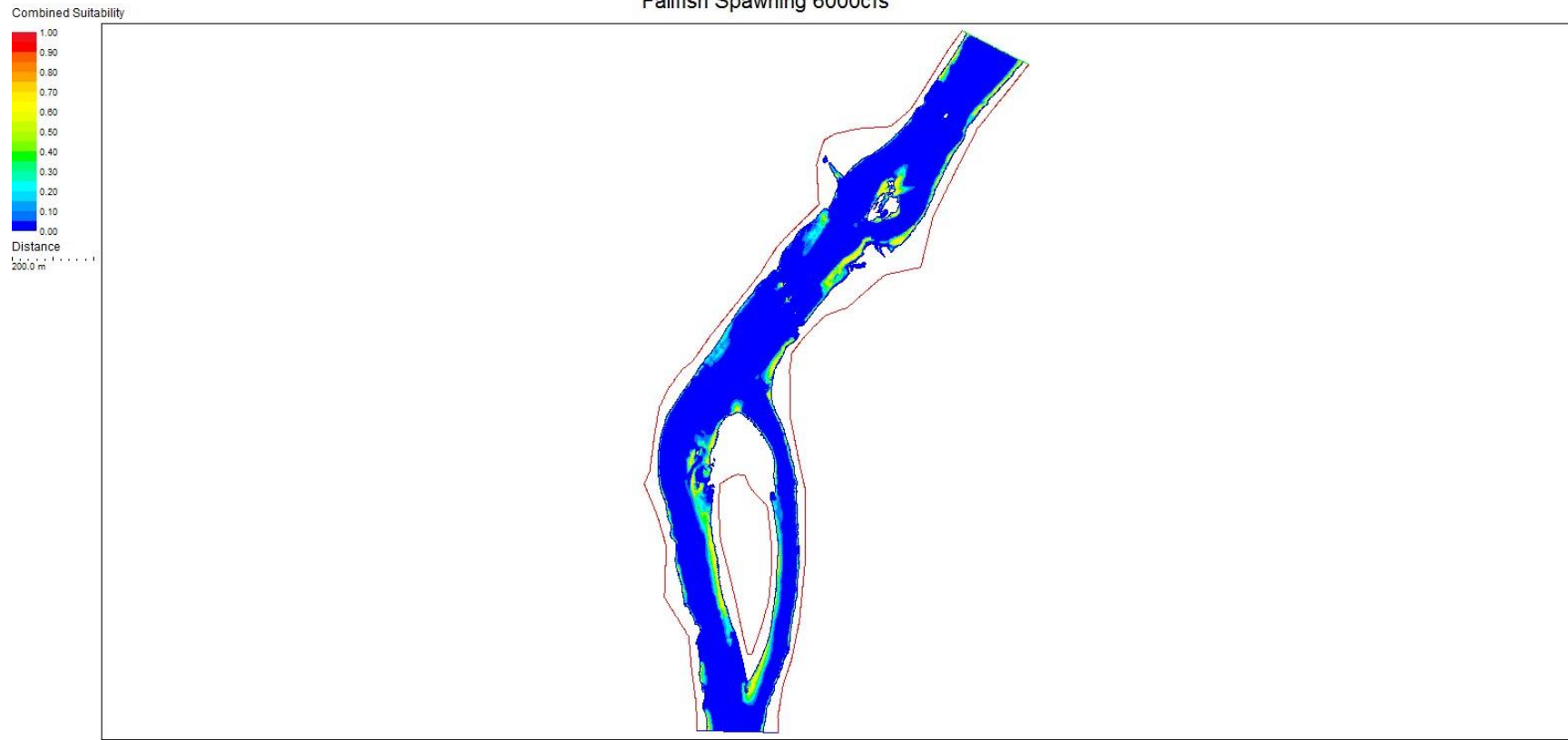




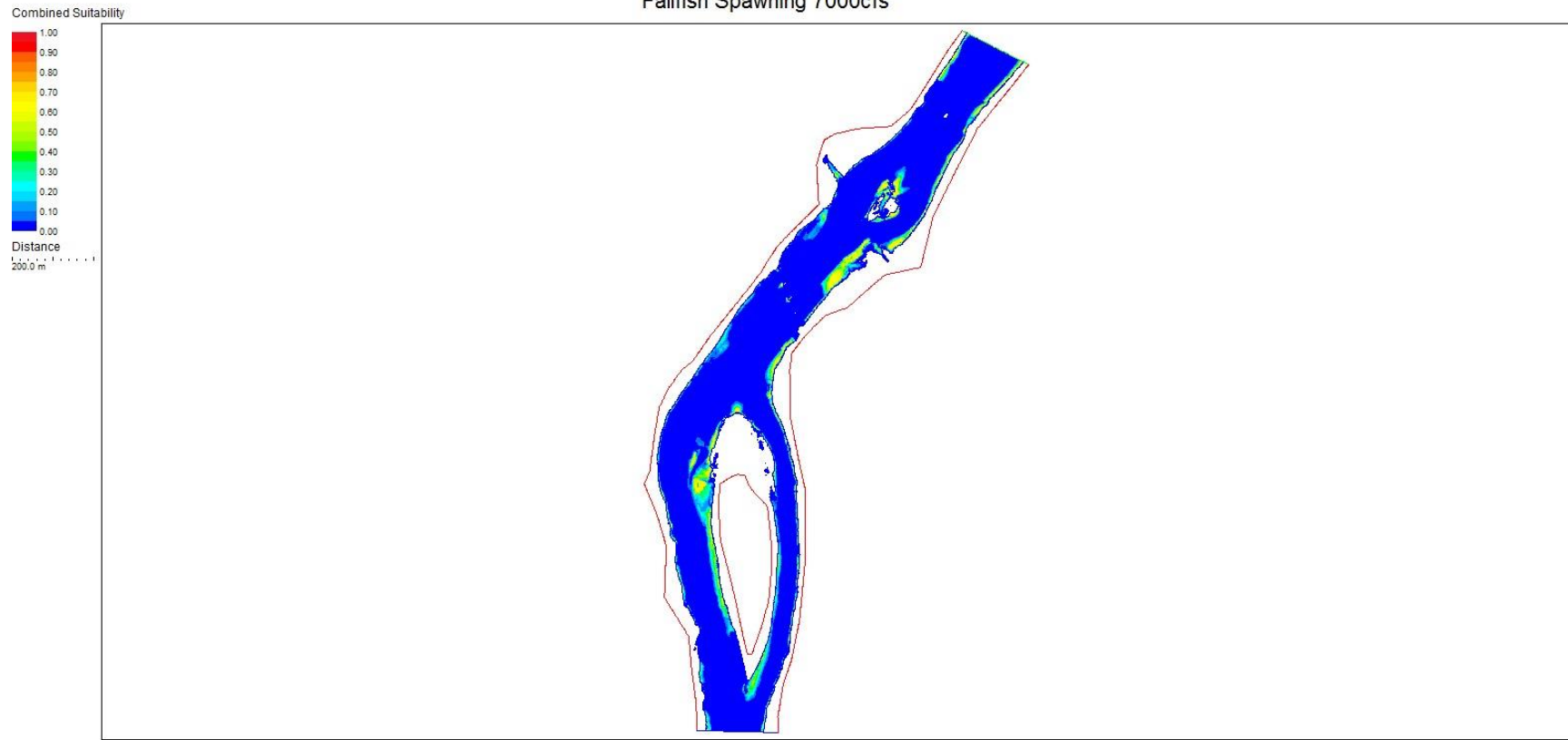


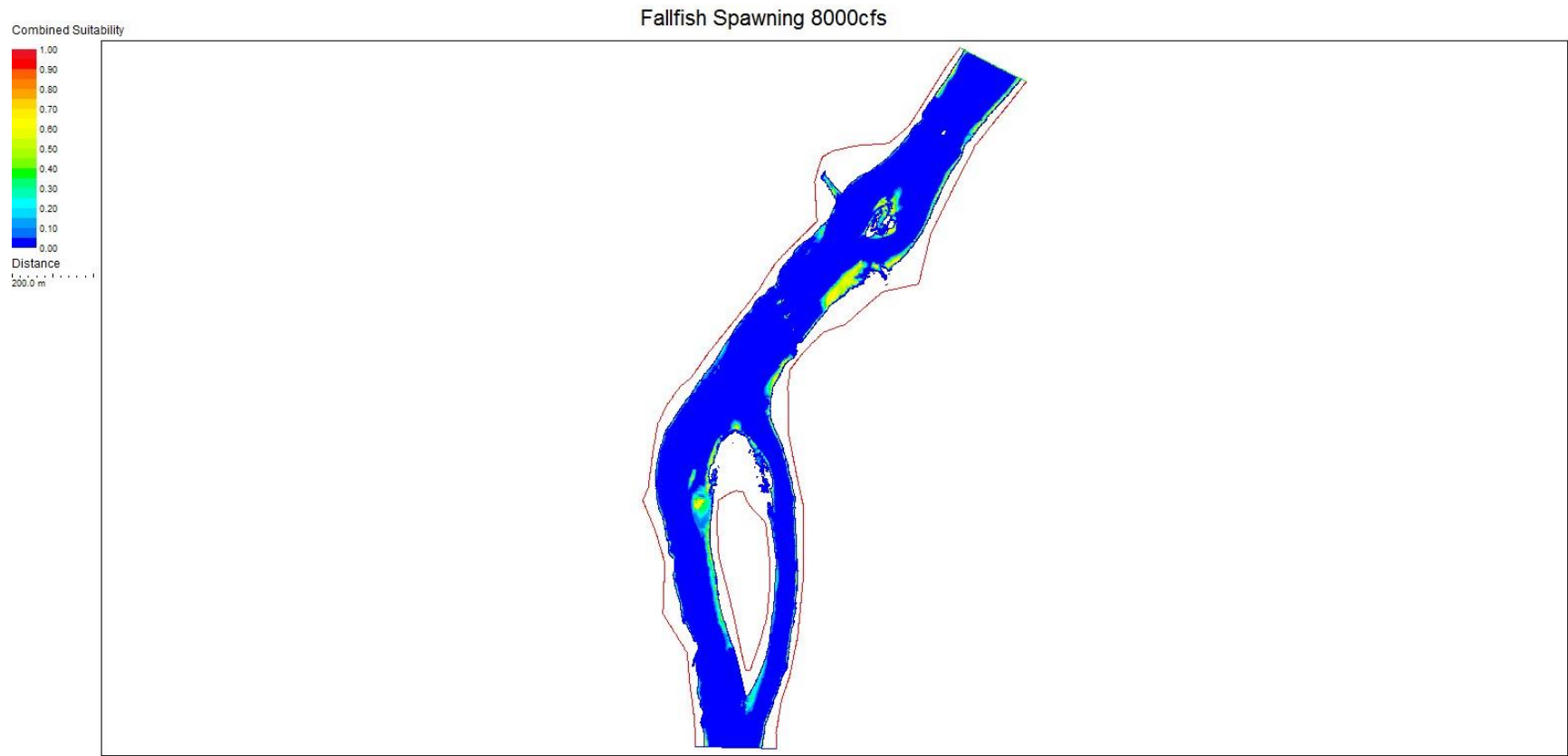


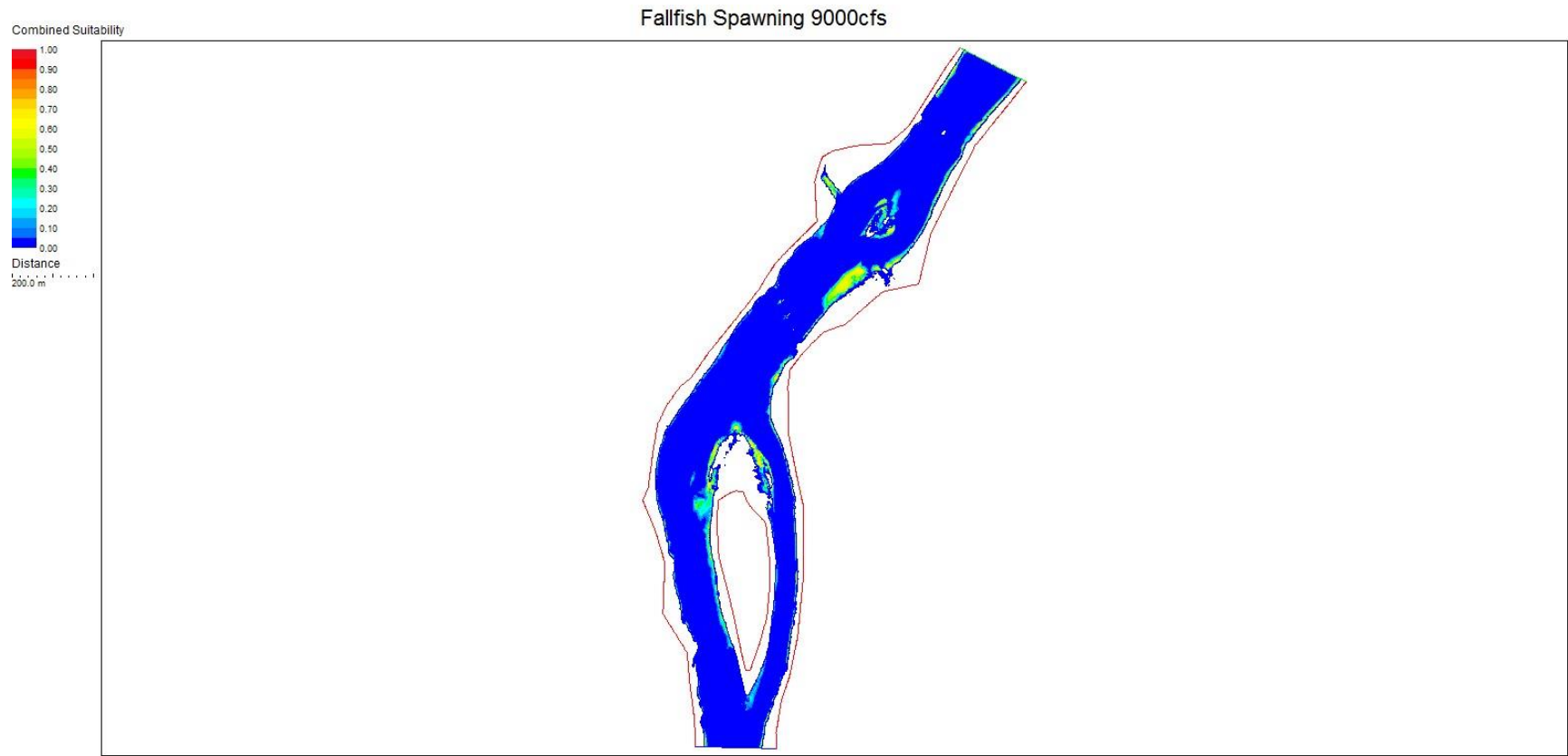
Fallfish Spawning 6000cfs

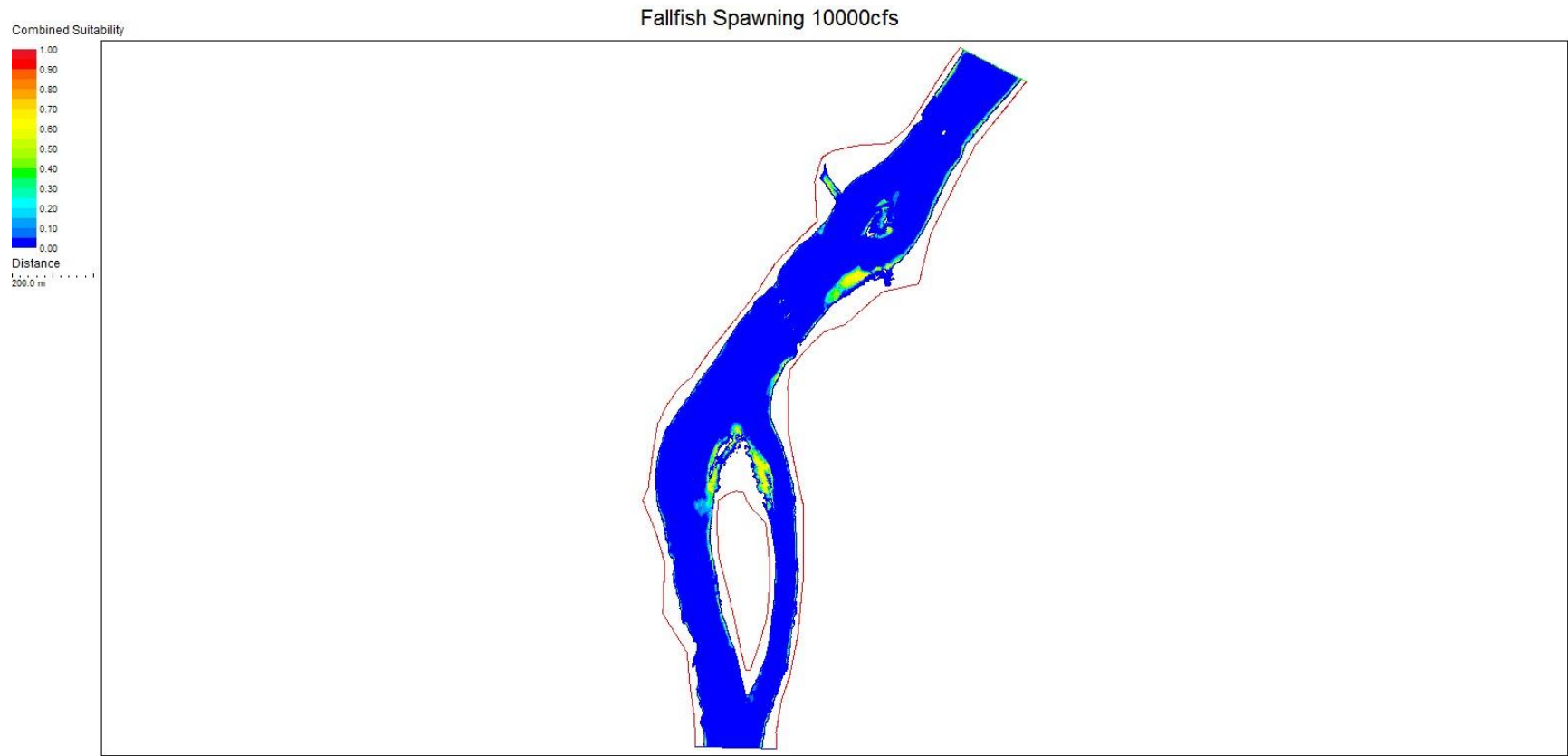


Fallfish Spawning 7000cfs

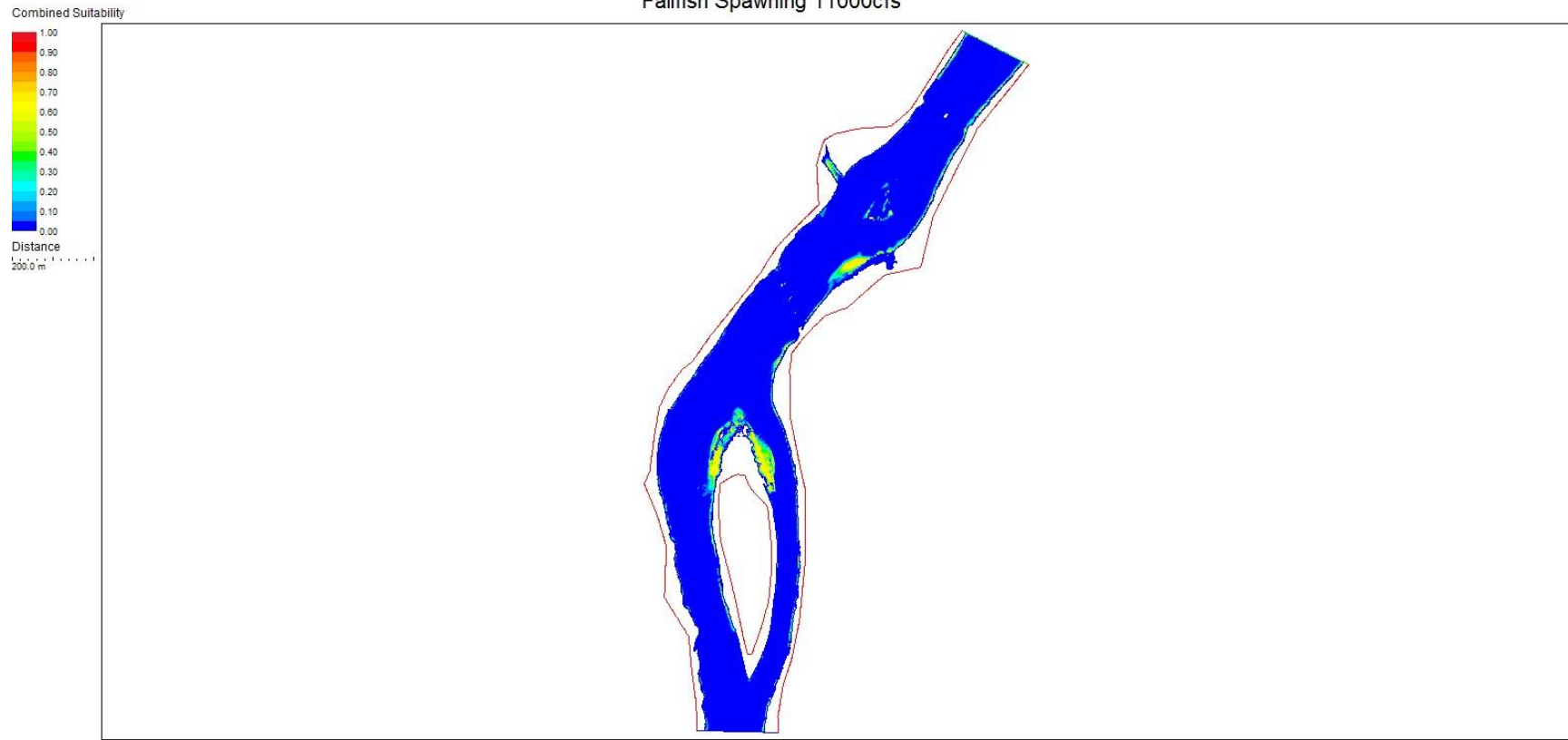




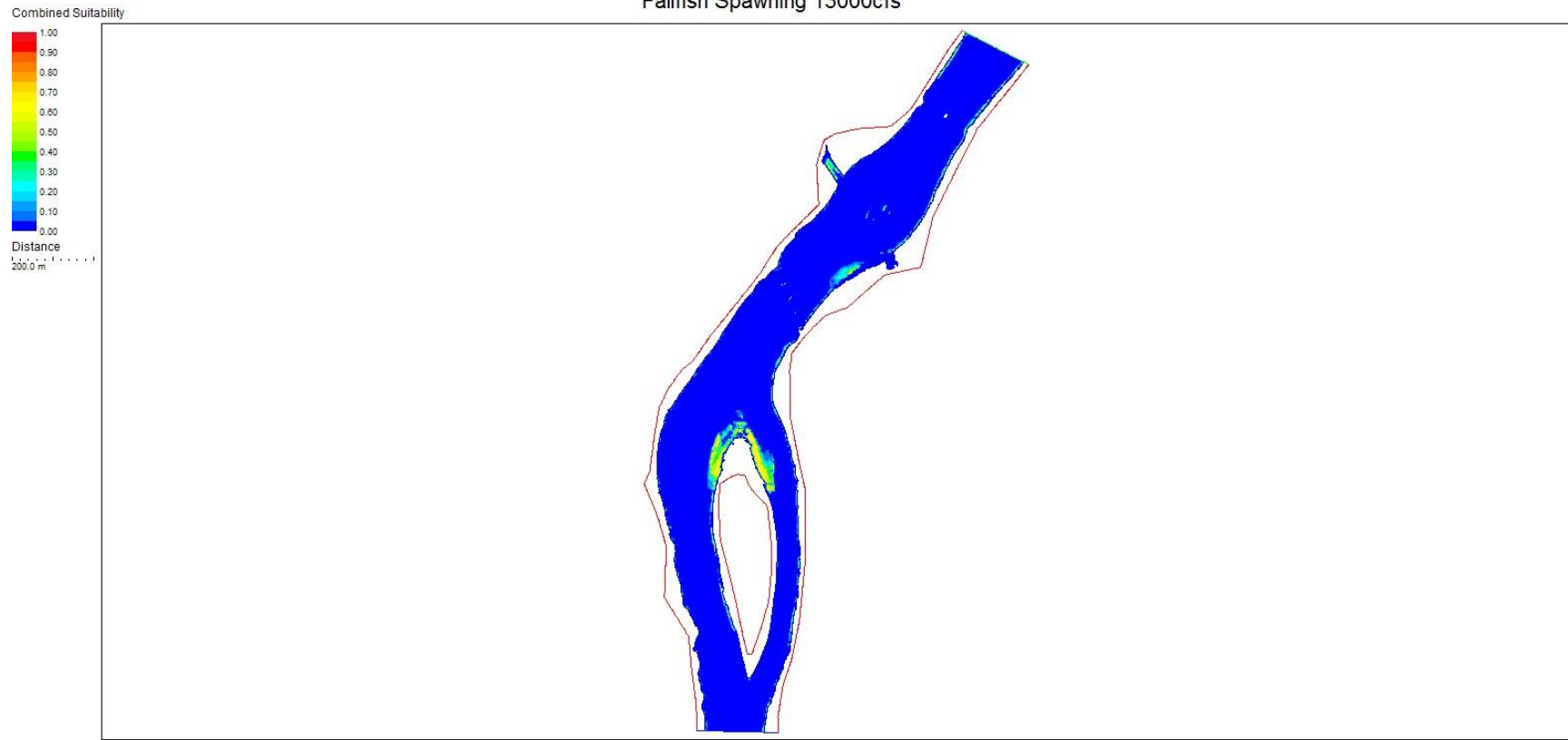


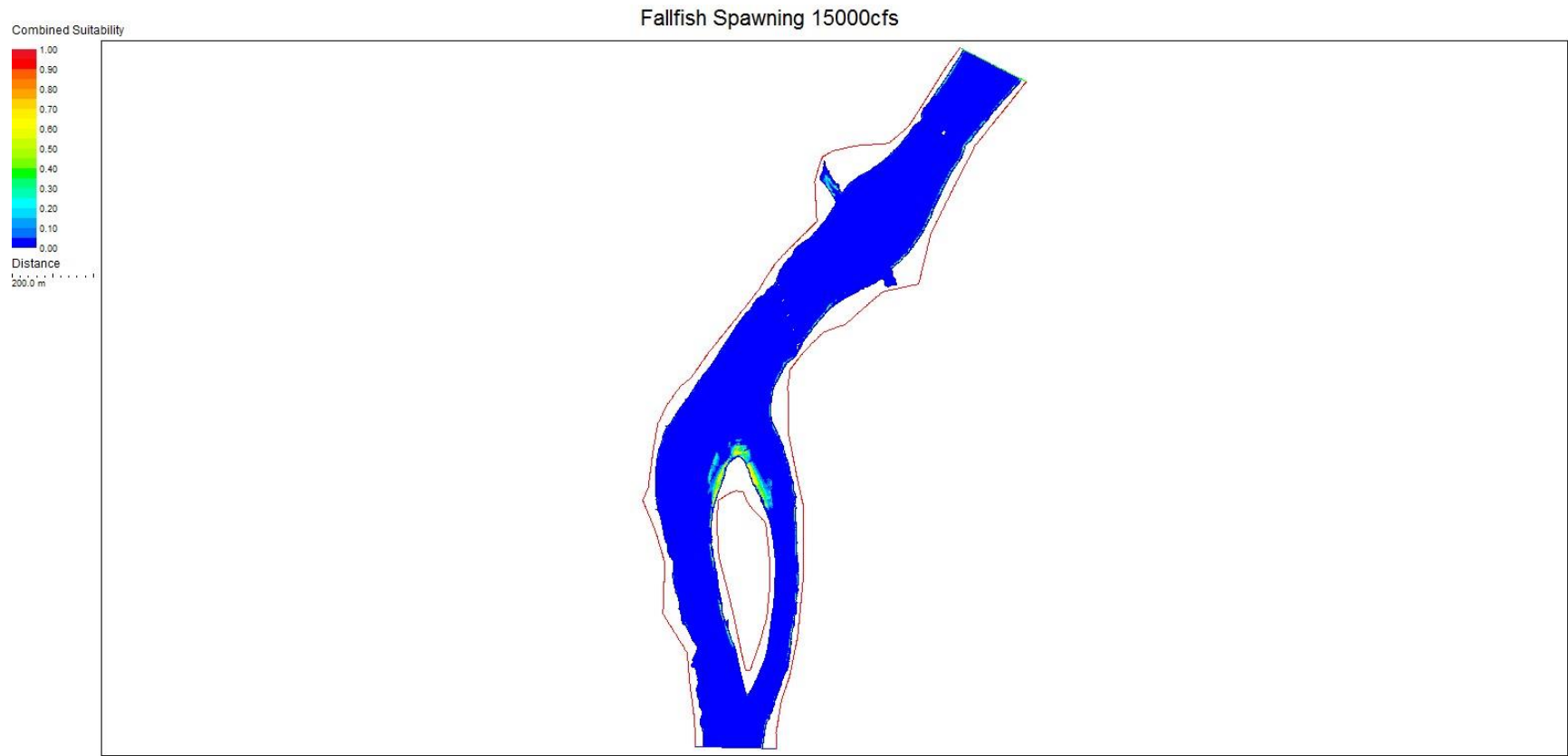


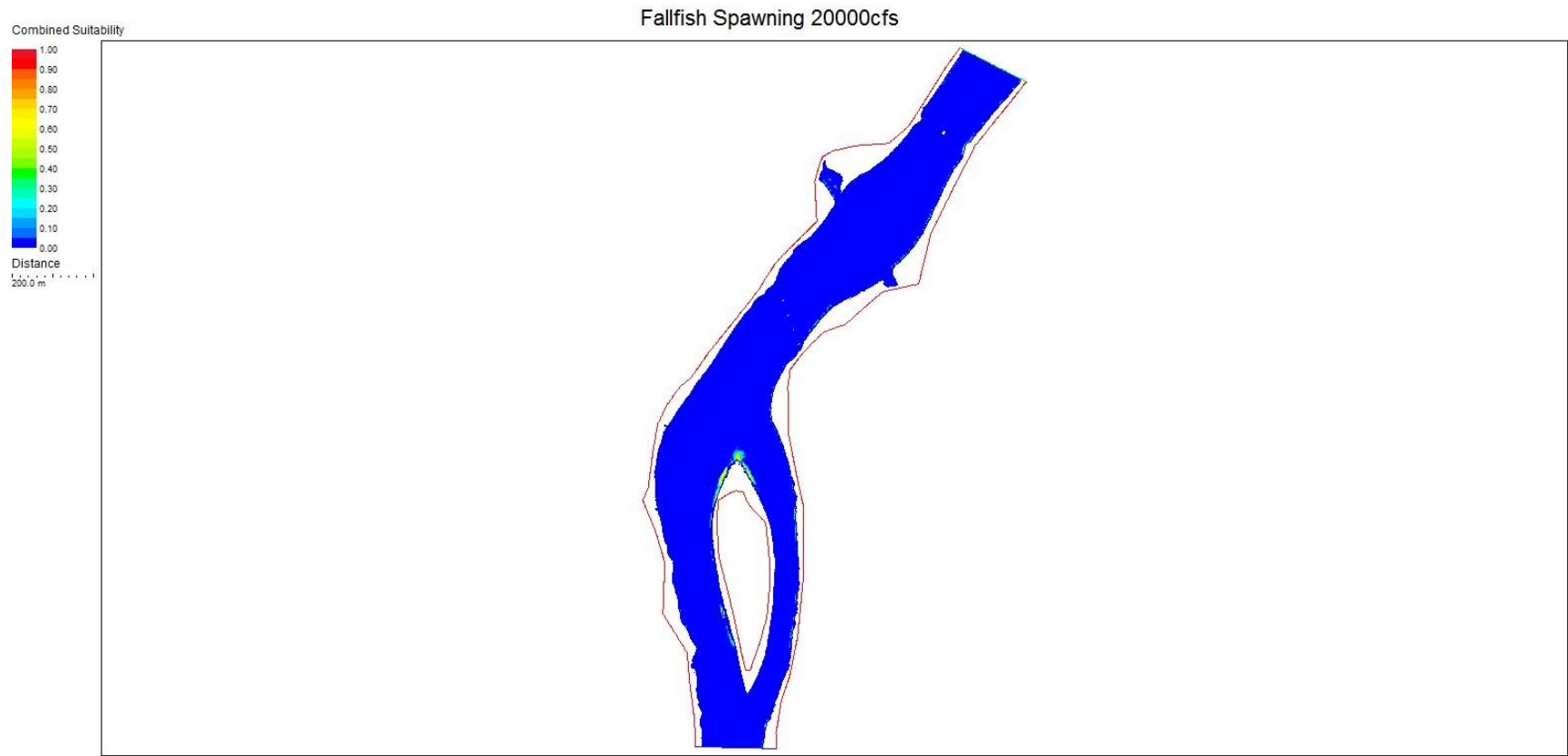
Fallfish Spawning 11000cfs

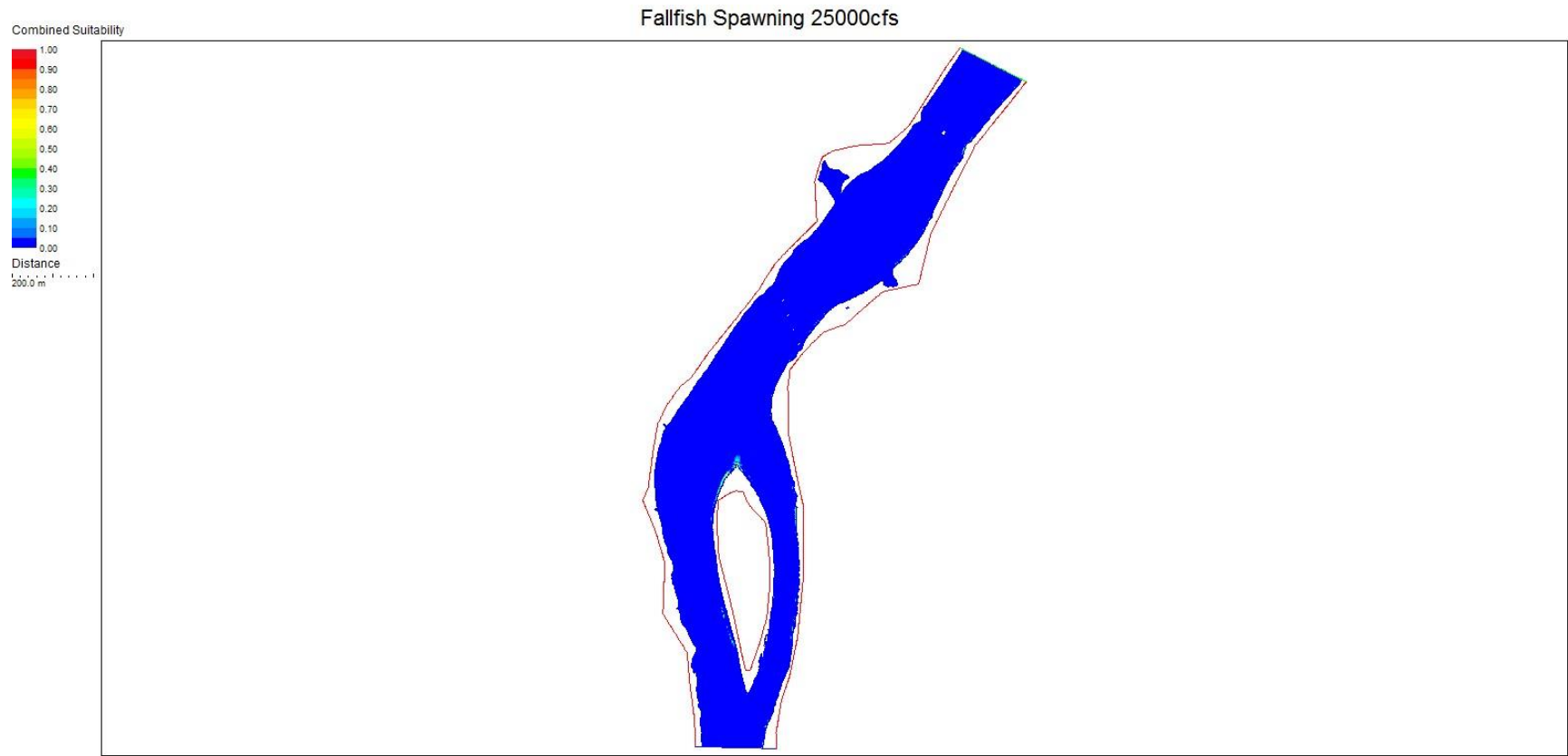


Fallfish Spawning 13000cfs

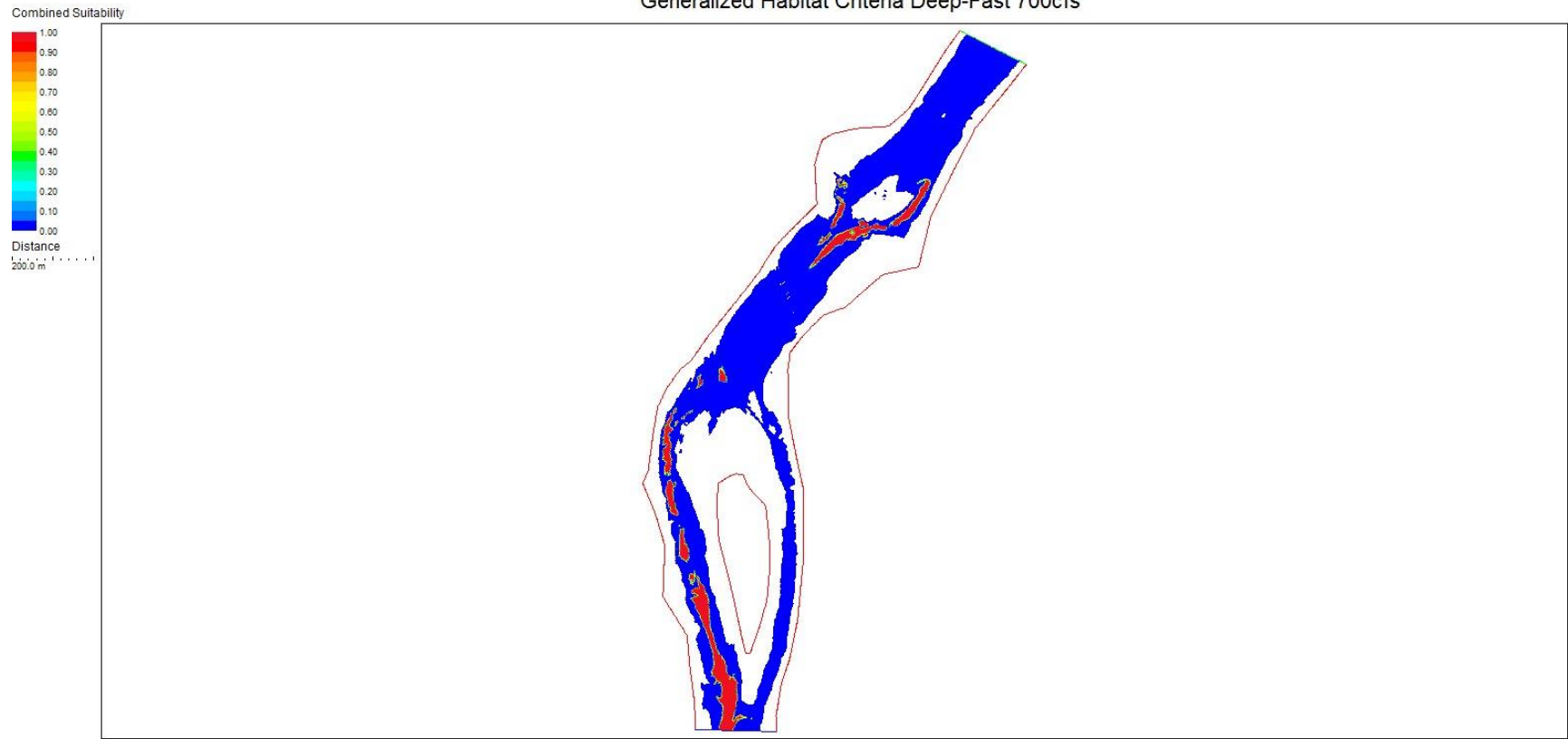




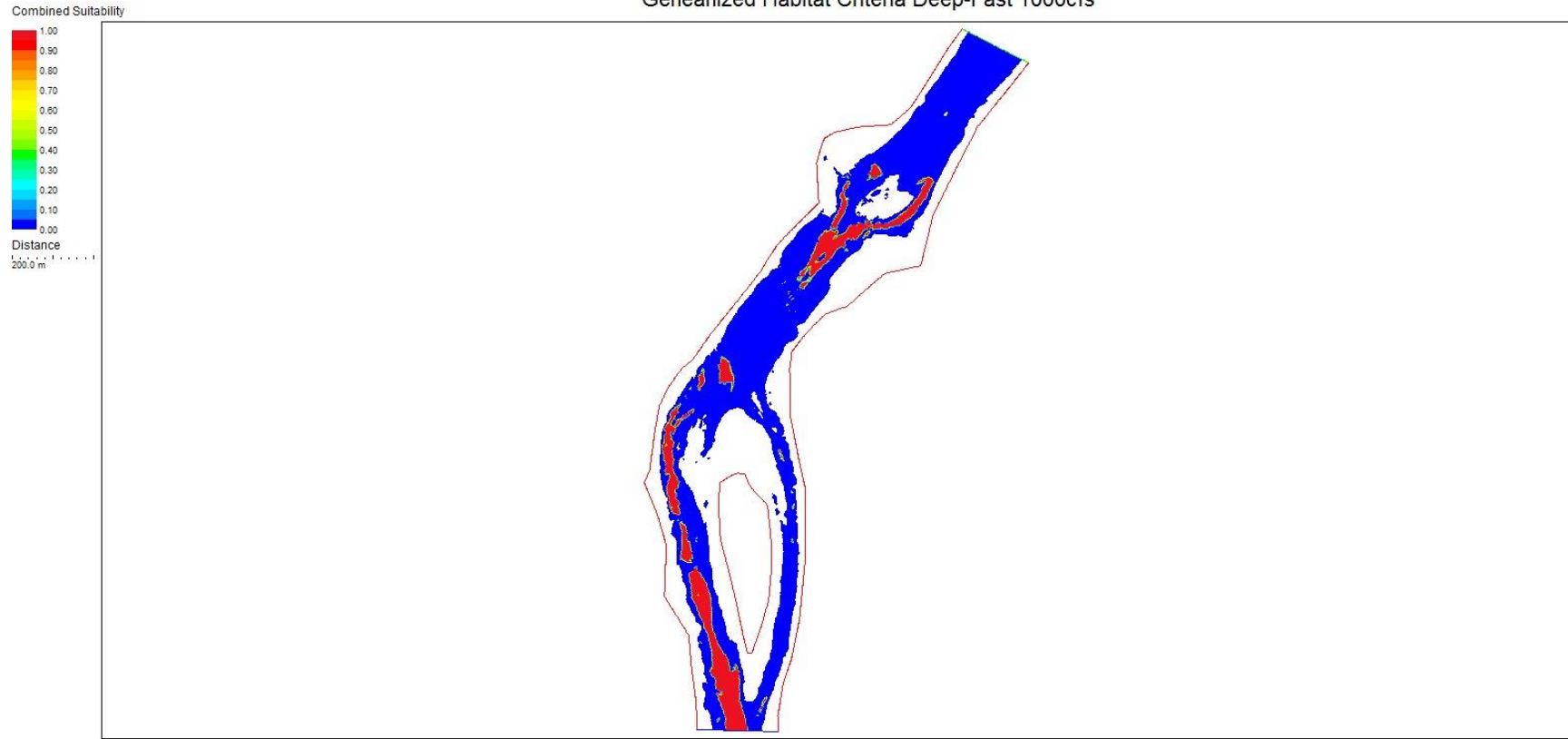




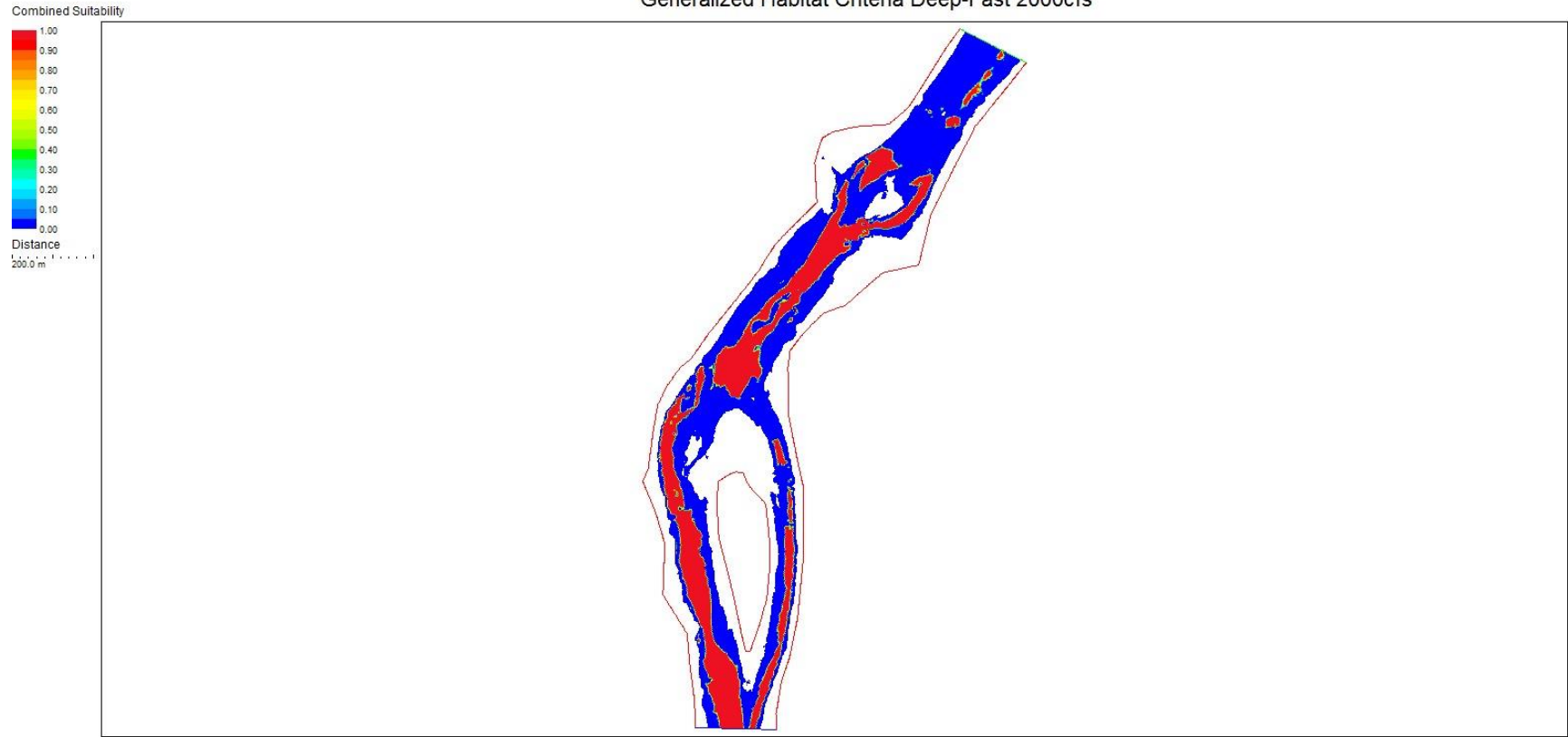
Generalized Habitat Criteria Deep-Fast 700cfs



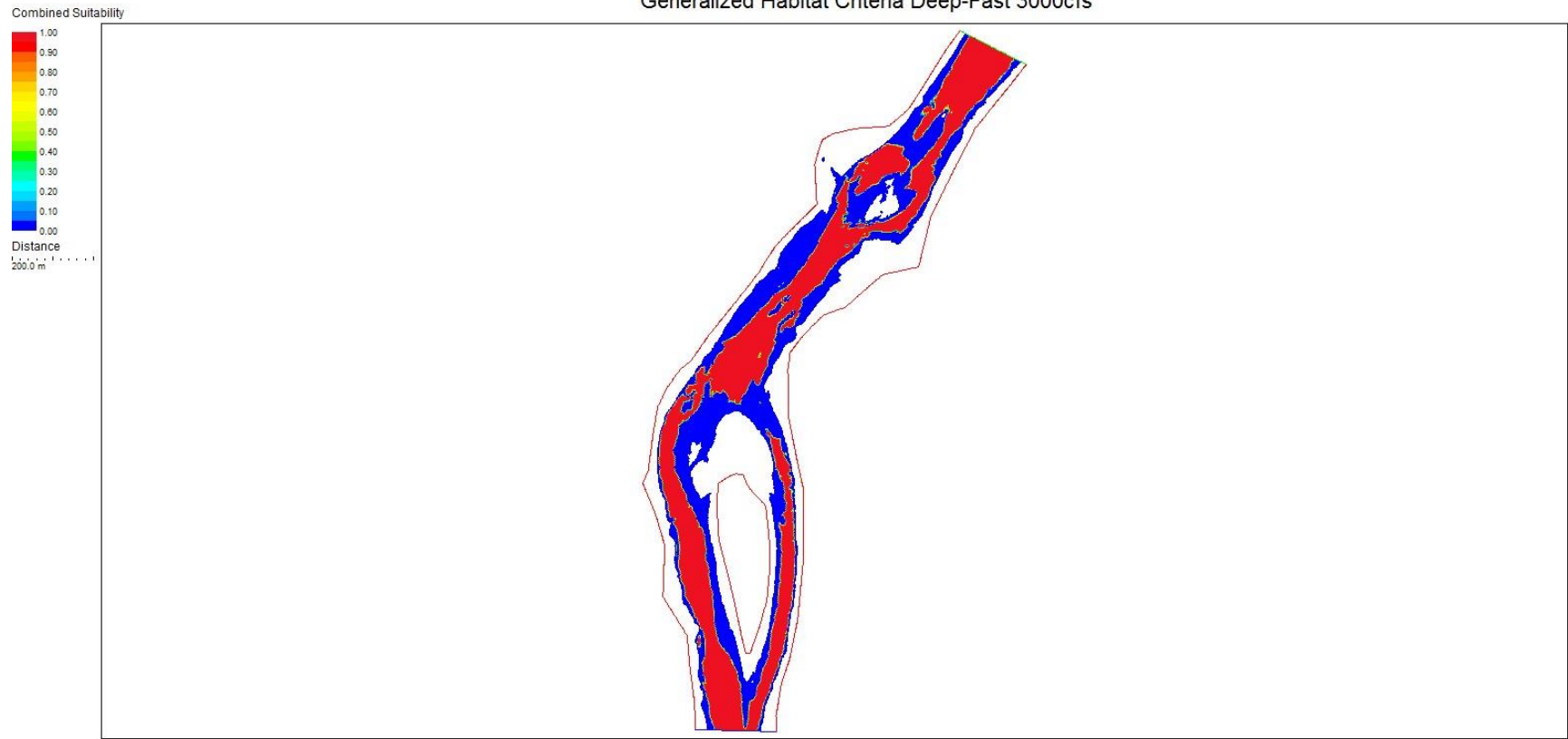
Generalized Habitat Criteria Deep-Fast 1000cfs



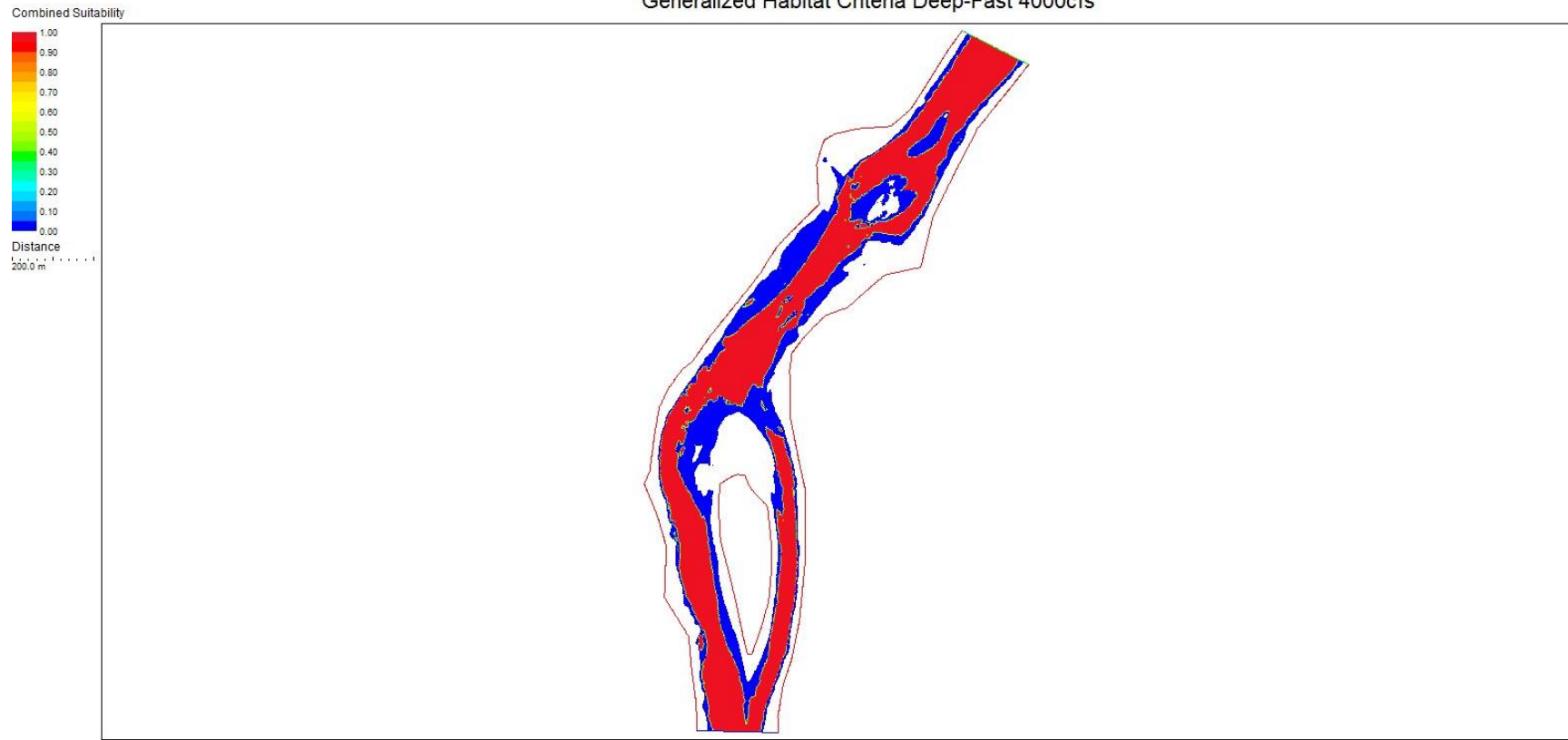
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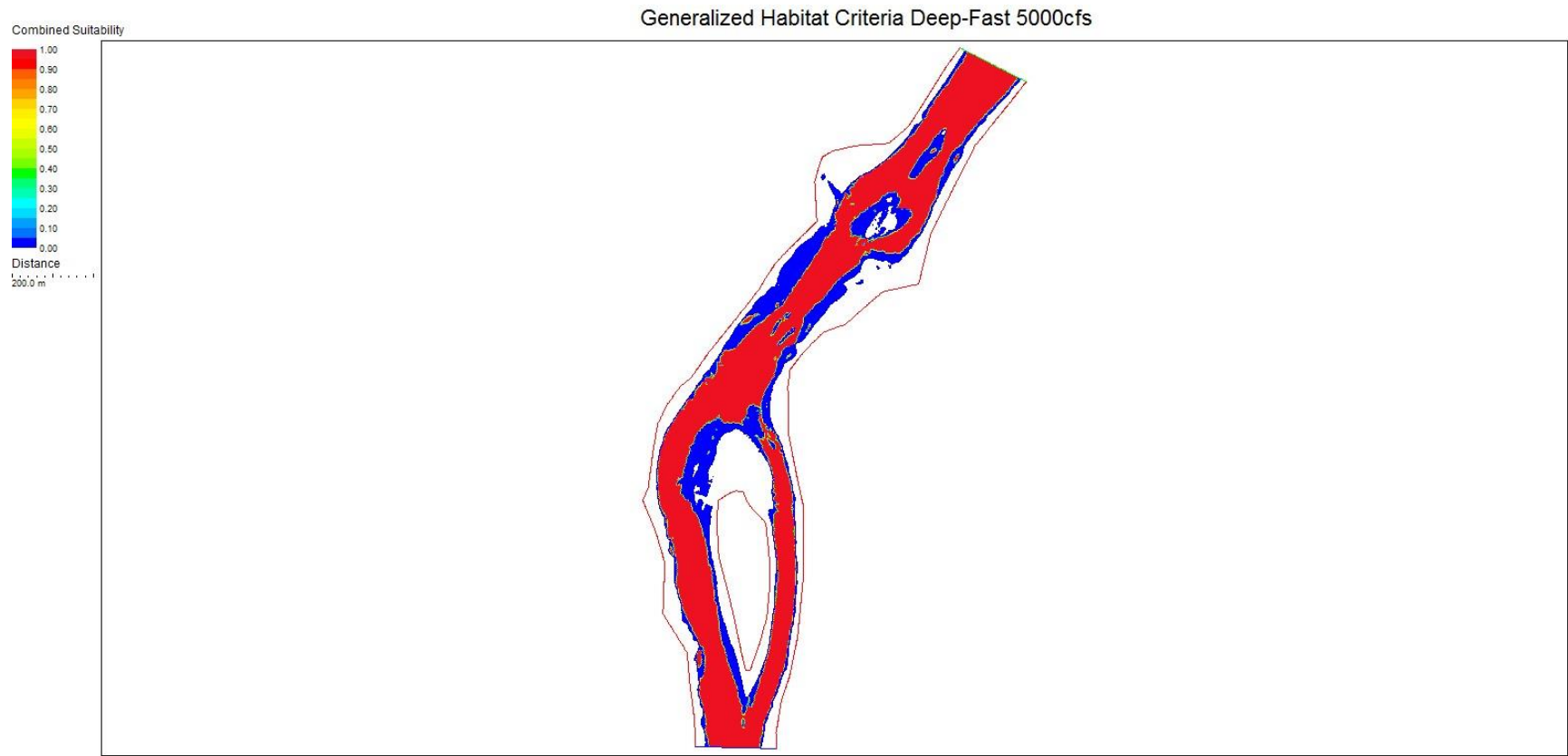


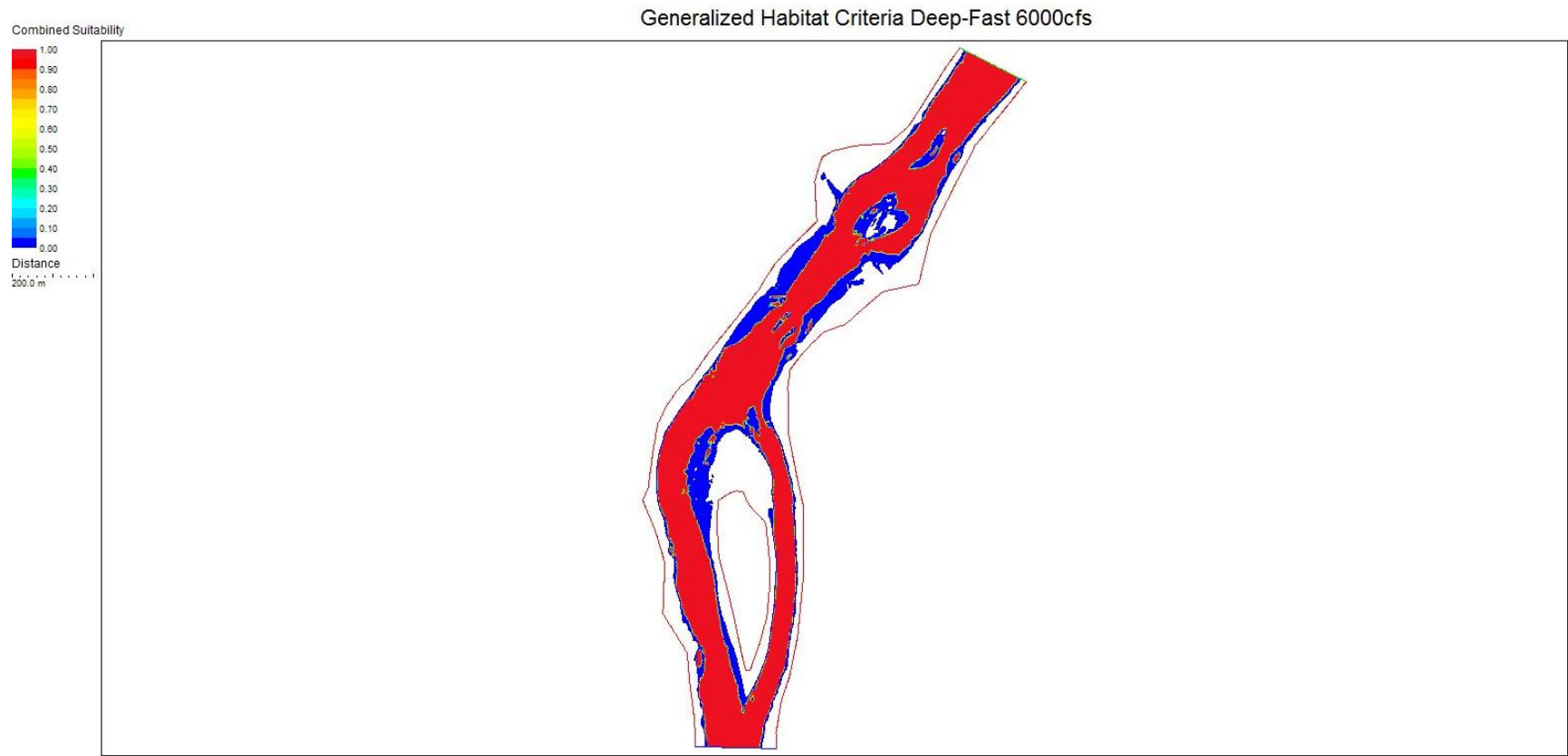
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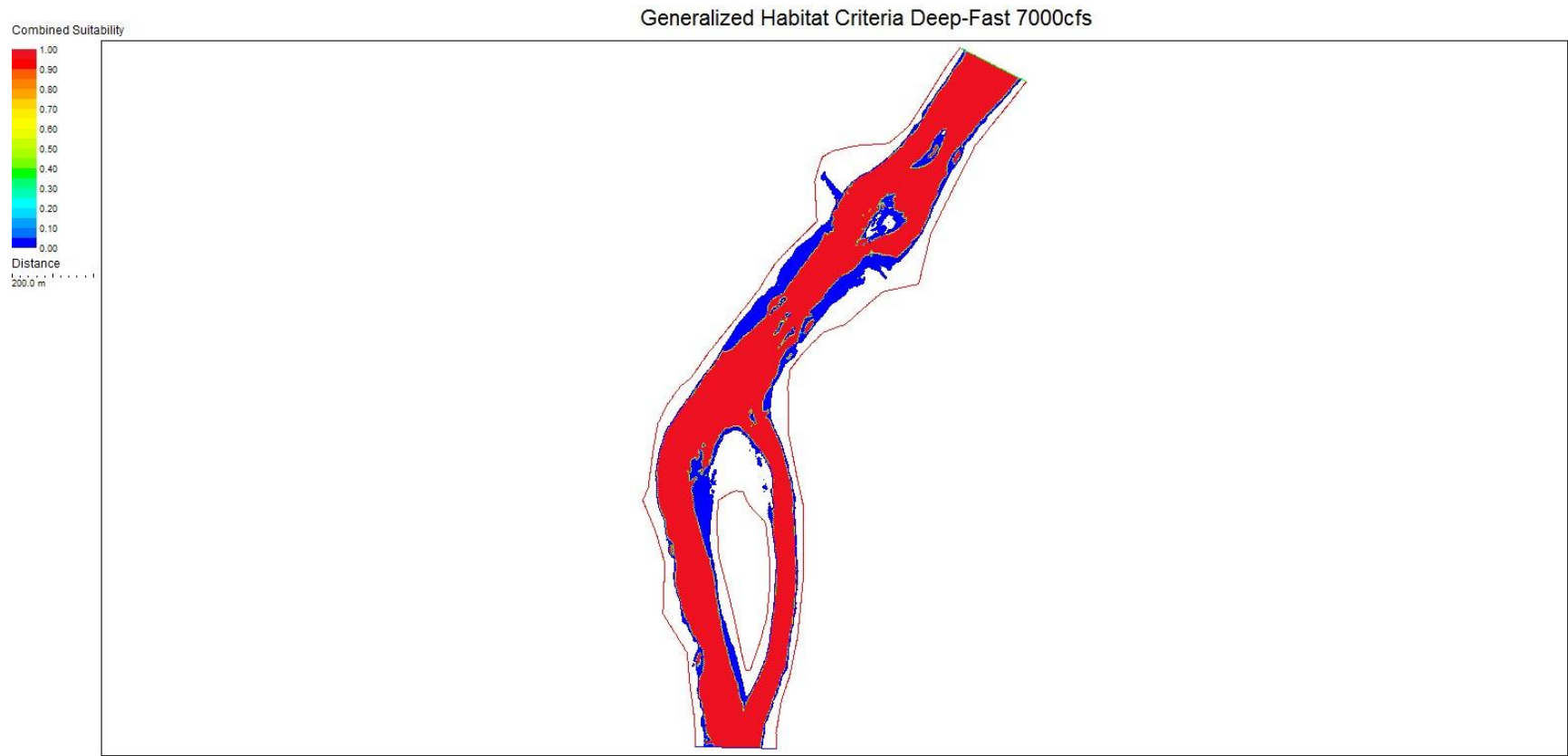


Generalized Habitat Criteria Deep-Fast 4000cfs

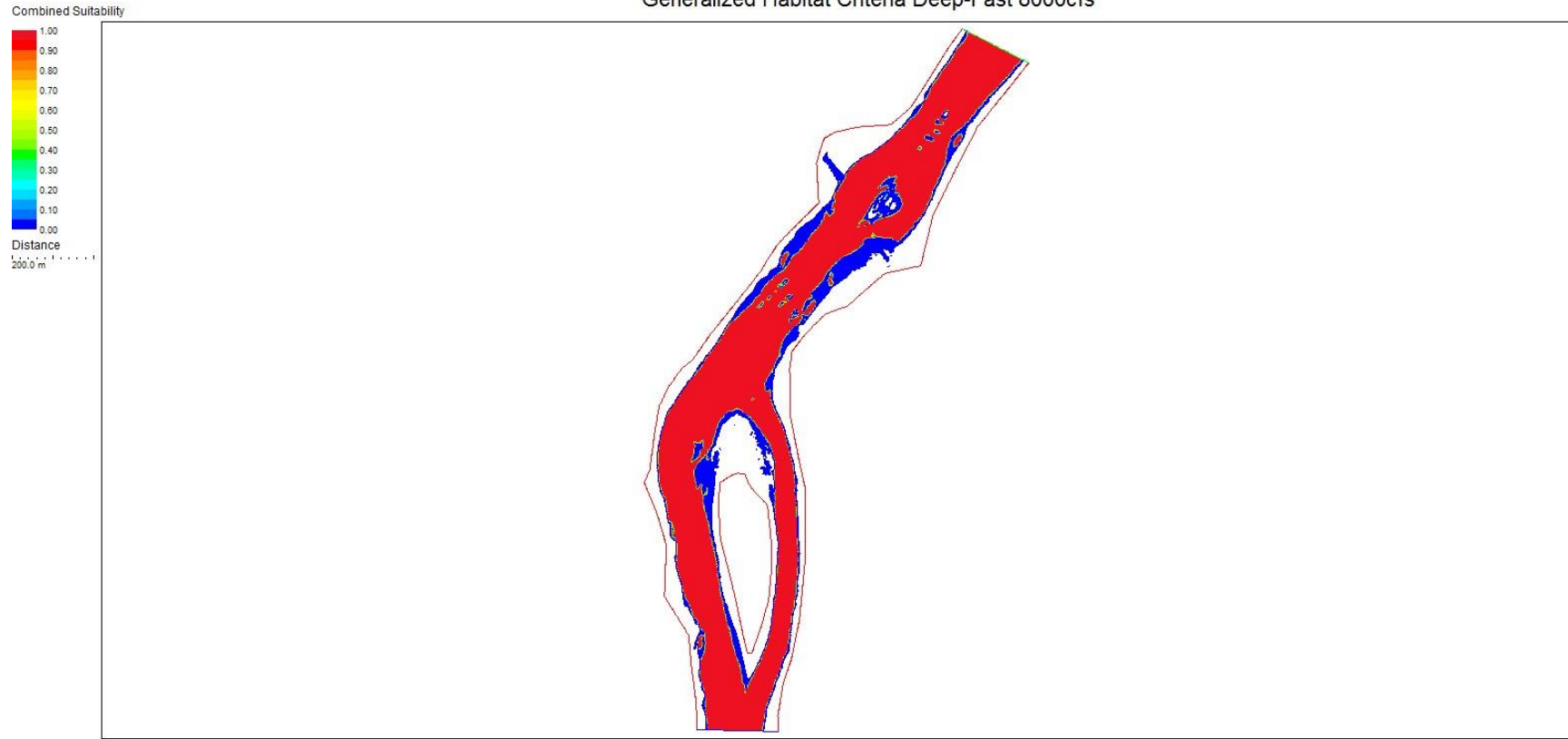




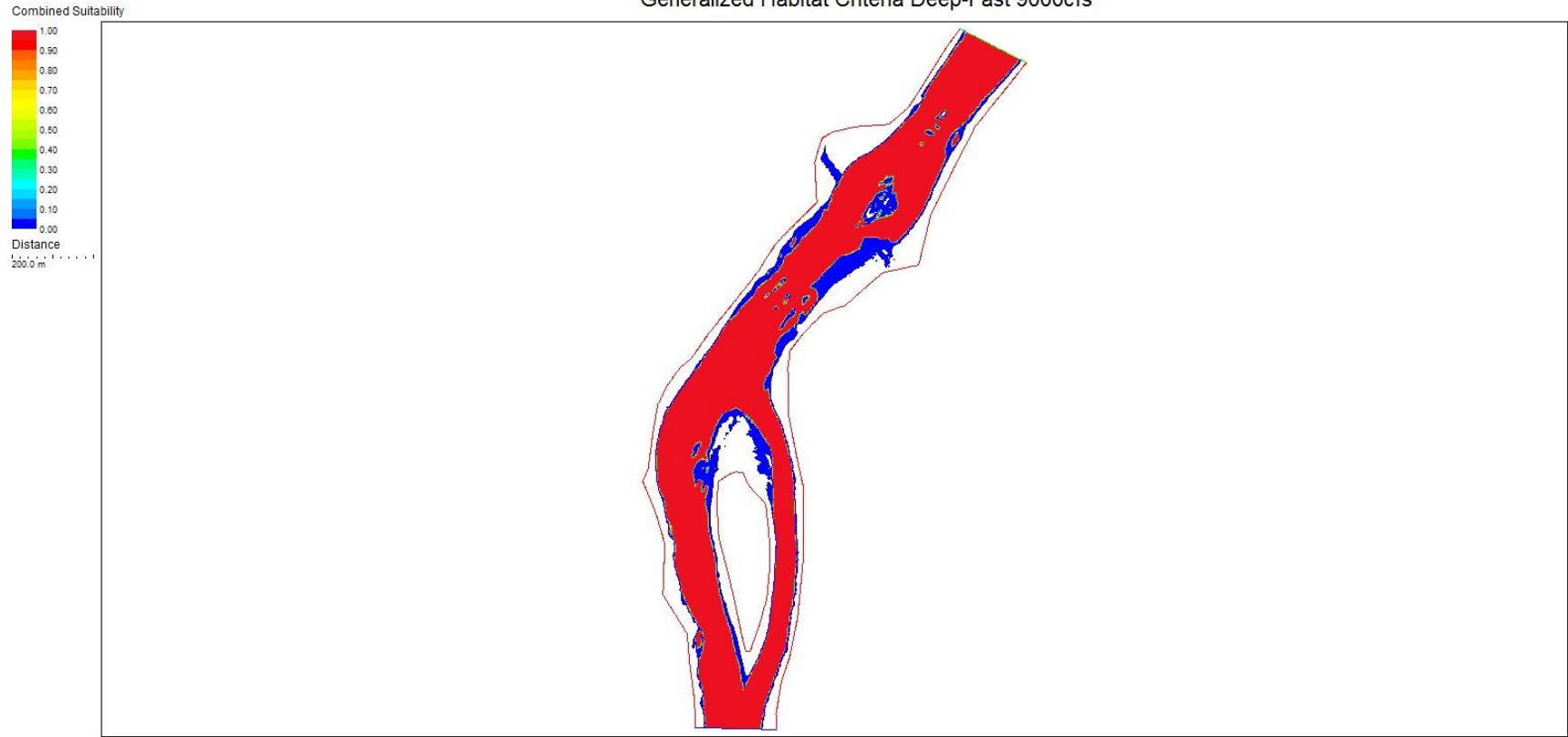




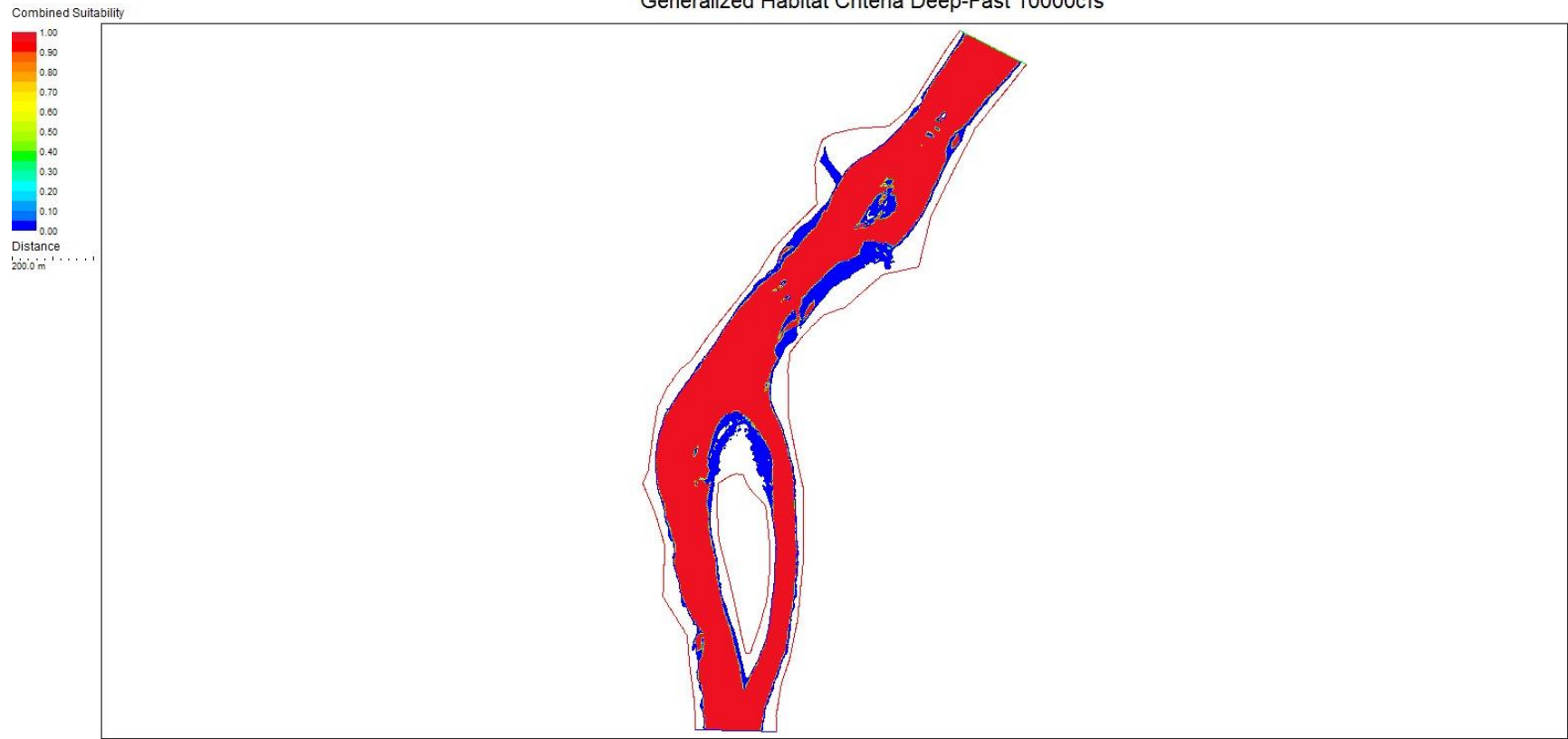
Generalized Habitat Criteria Deep-Fast 8000cfs



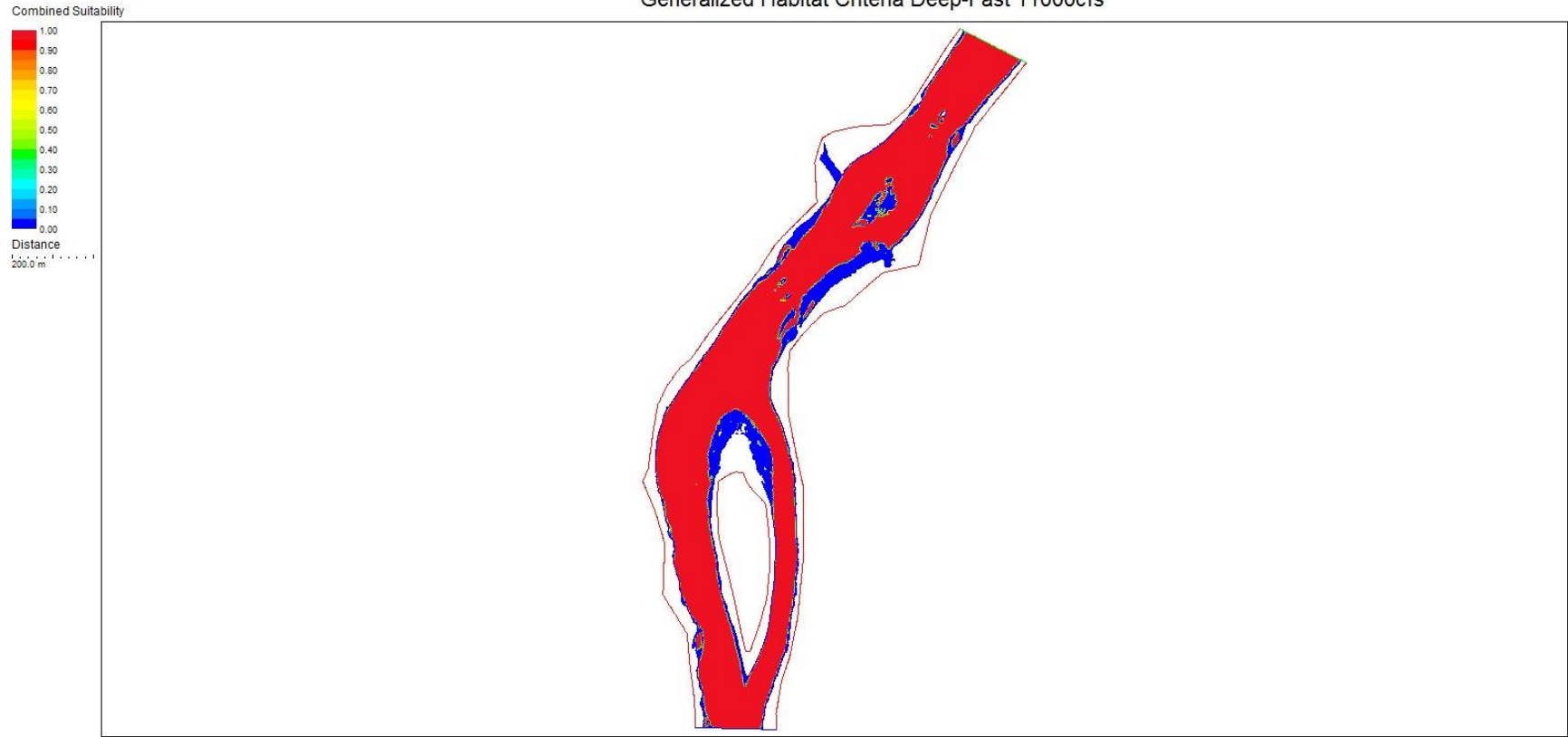
Generalized Habitat Criteria Deep-Fast 9000cfs



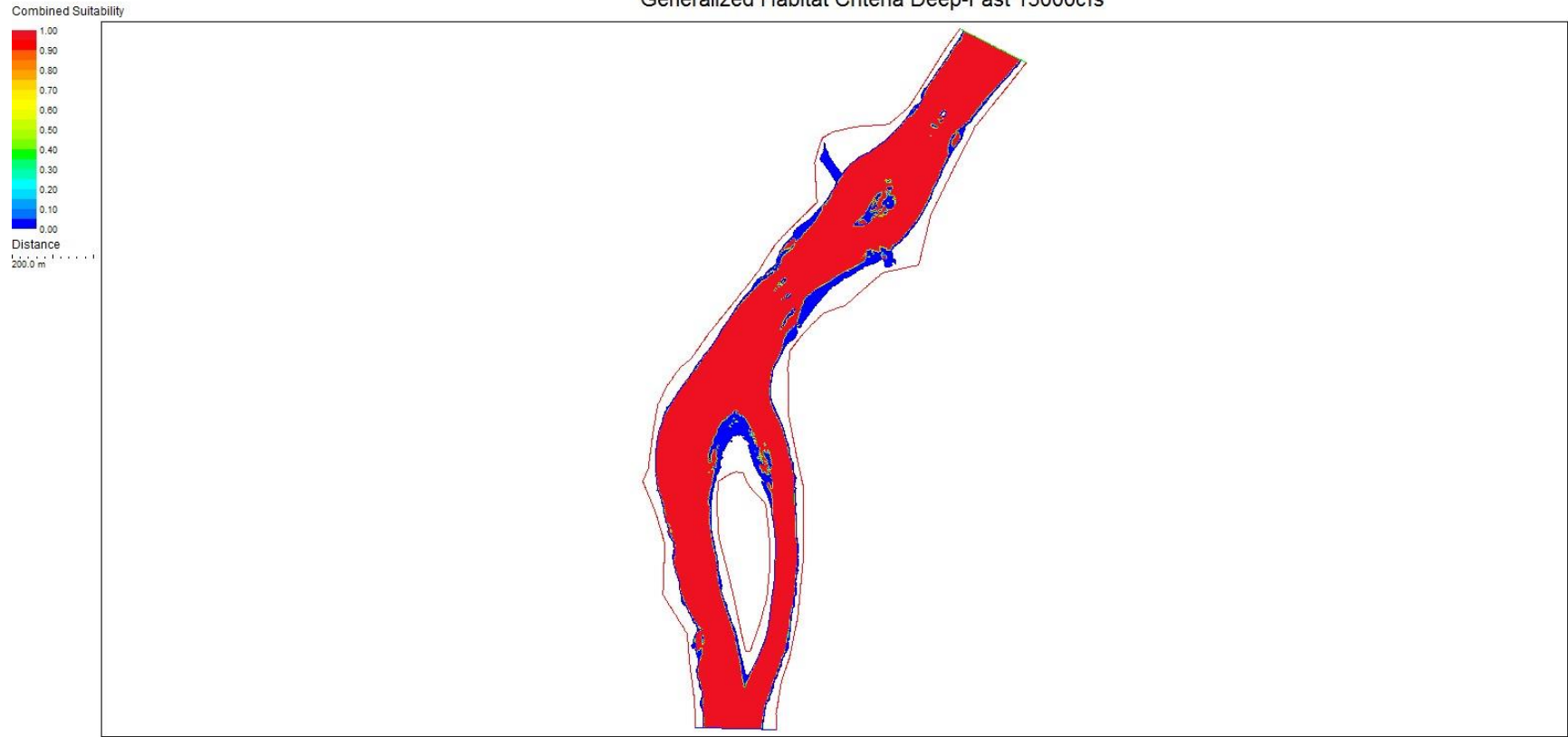
Generalized Habitat Criteria Deep-Fast 10000cfs



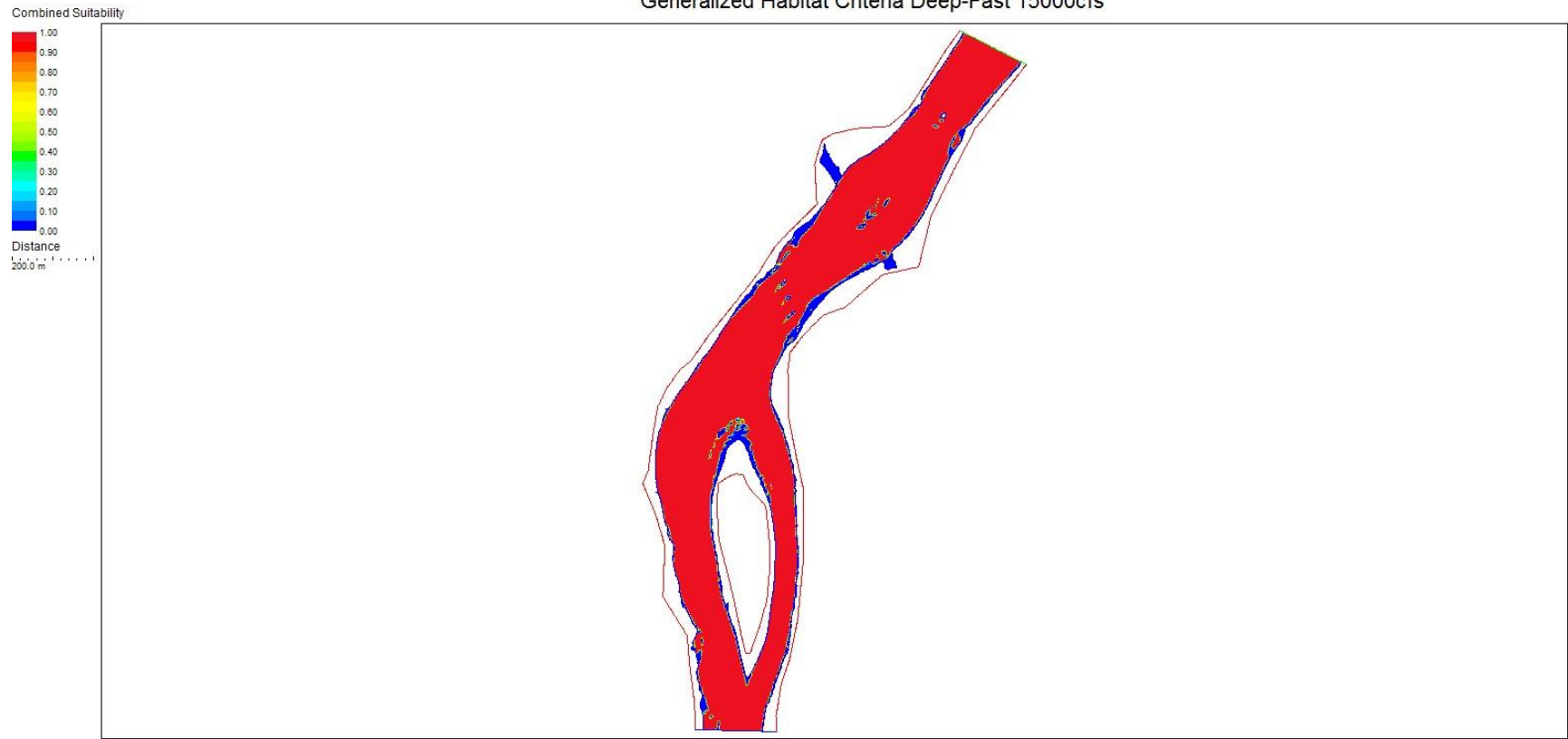
Generalized Habitat Criteria Deep-Fast 11000cfs



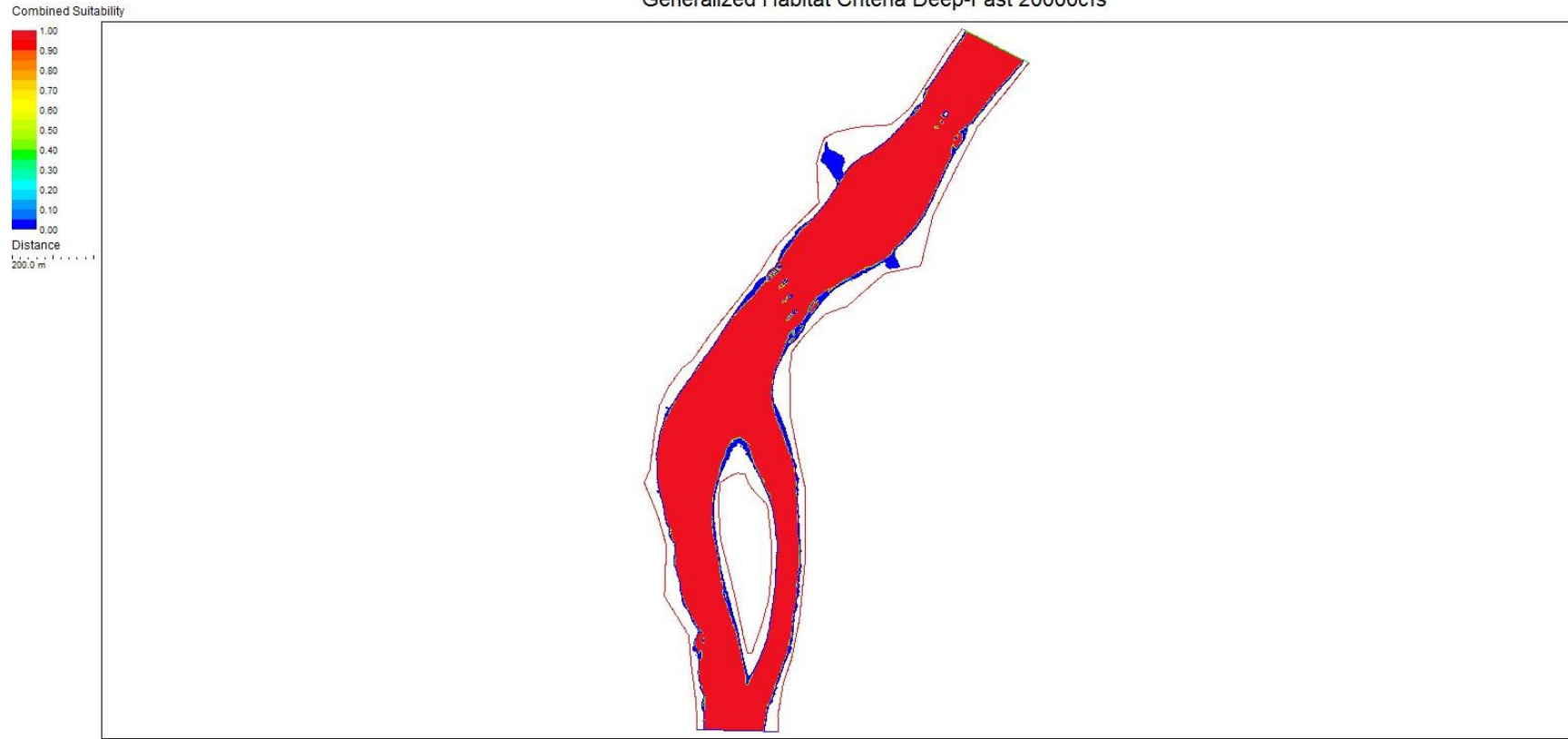
Generalized Habitat Criteria Deep-Fast 13000cfs



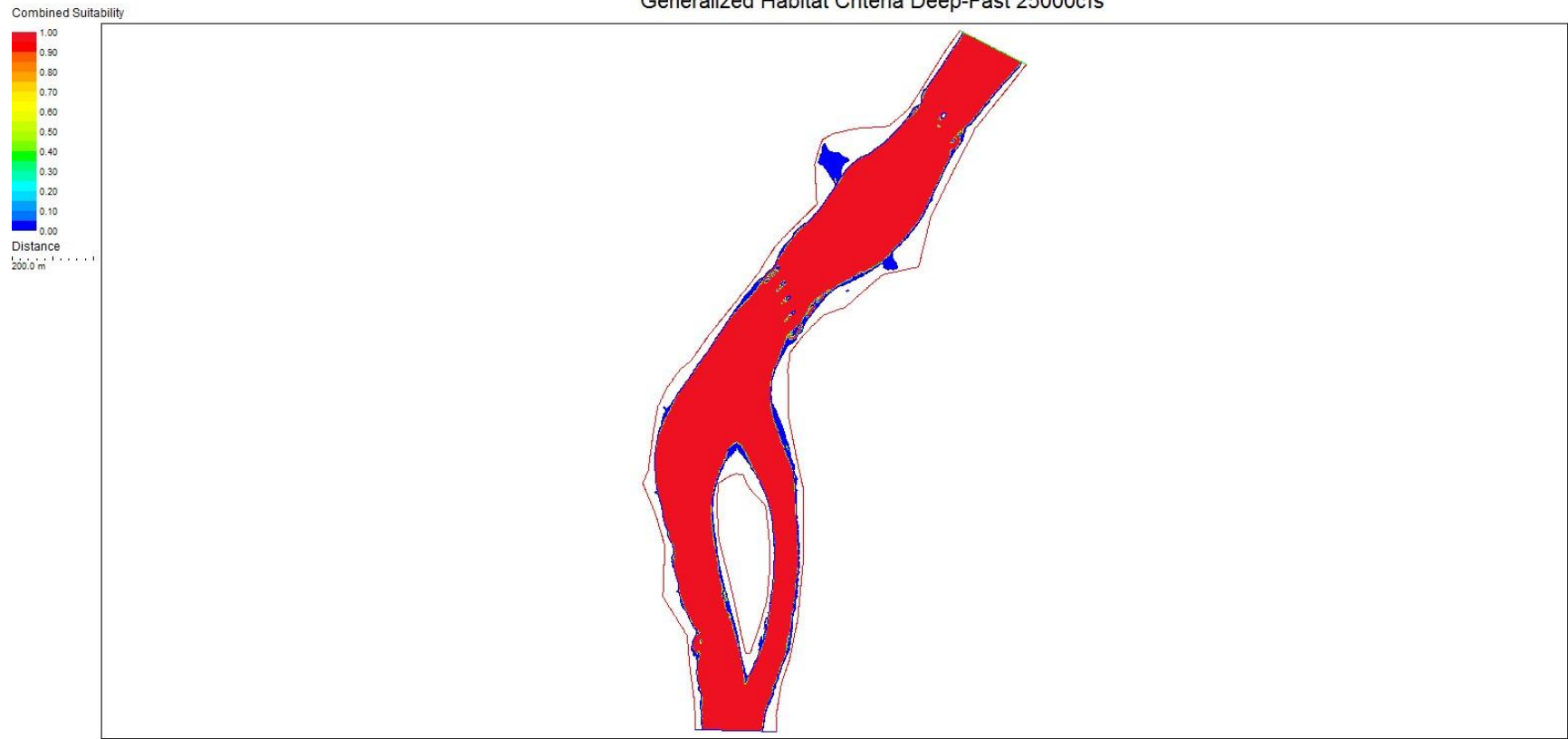
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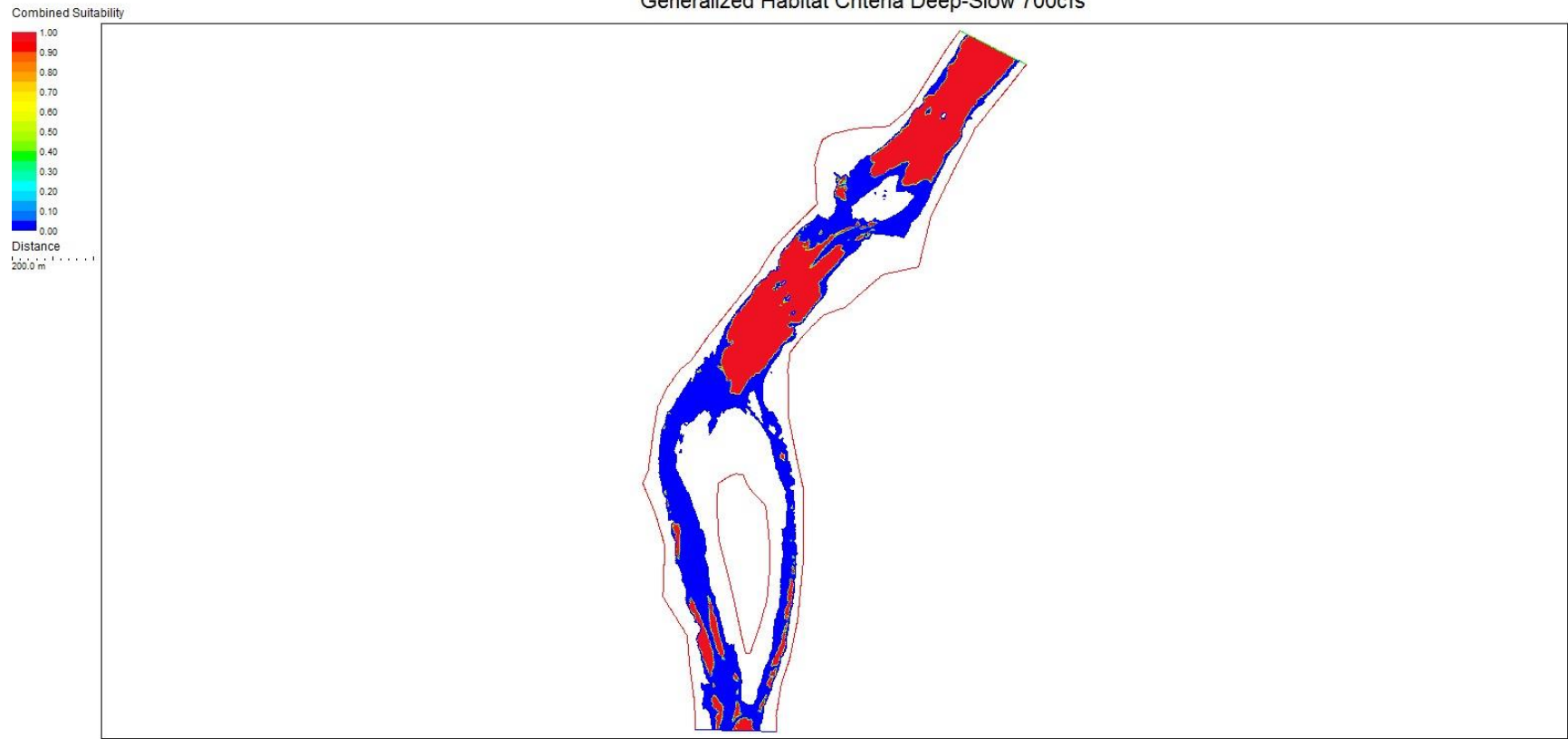
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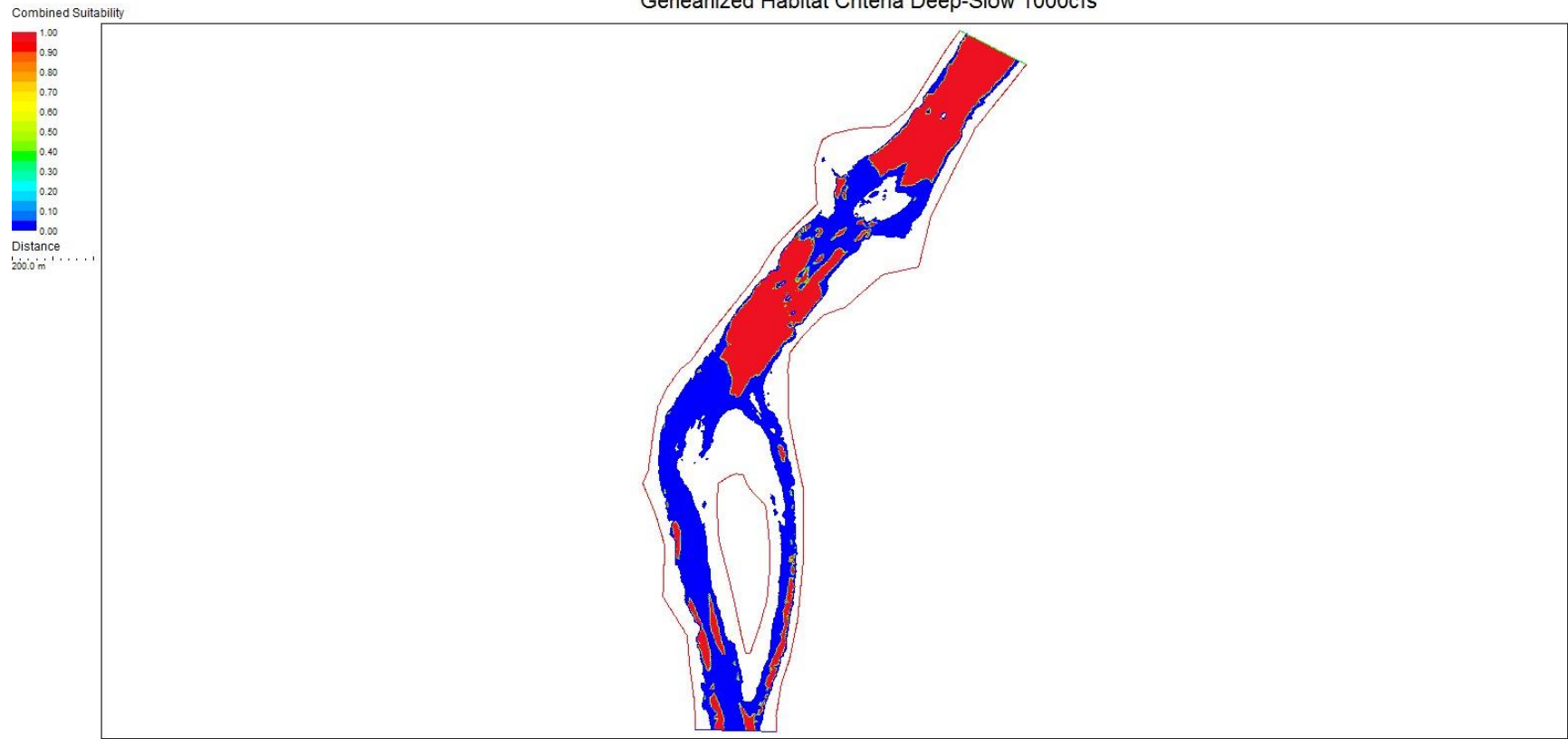
Generalized Habitat Criteria Deep-Fast 25000cfs



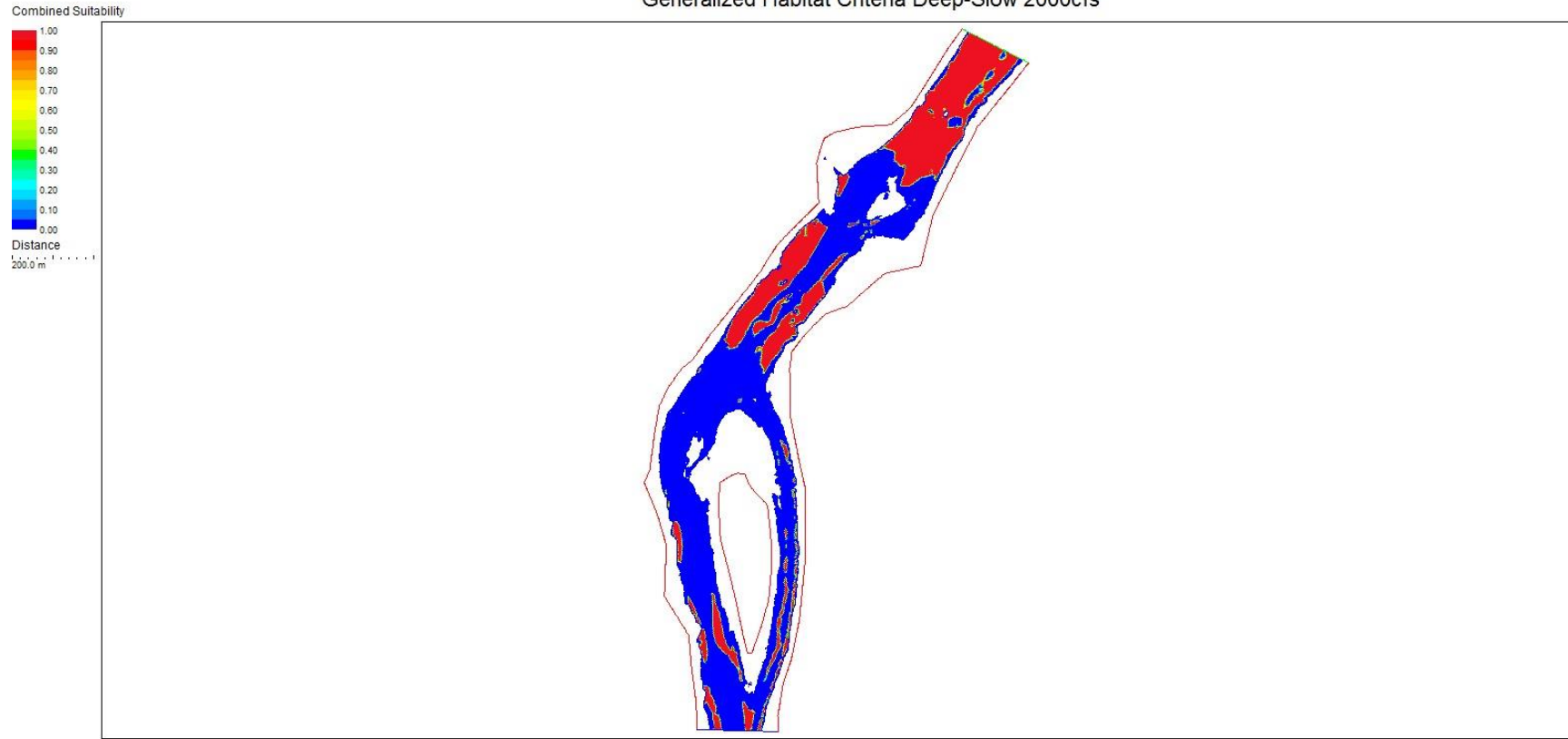
Generalized Habitat Criteria Deep-Slow 700cfs



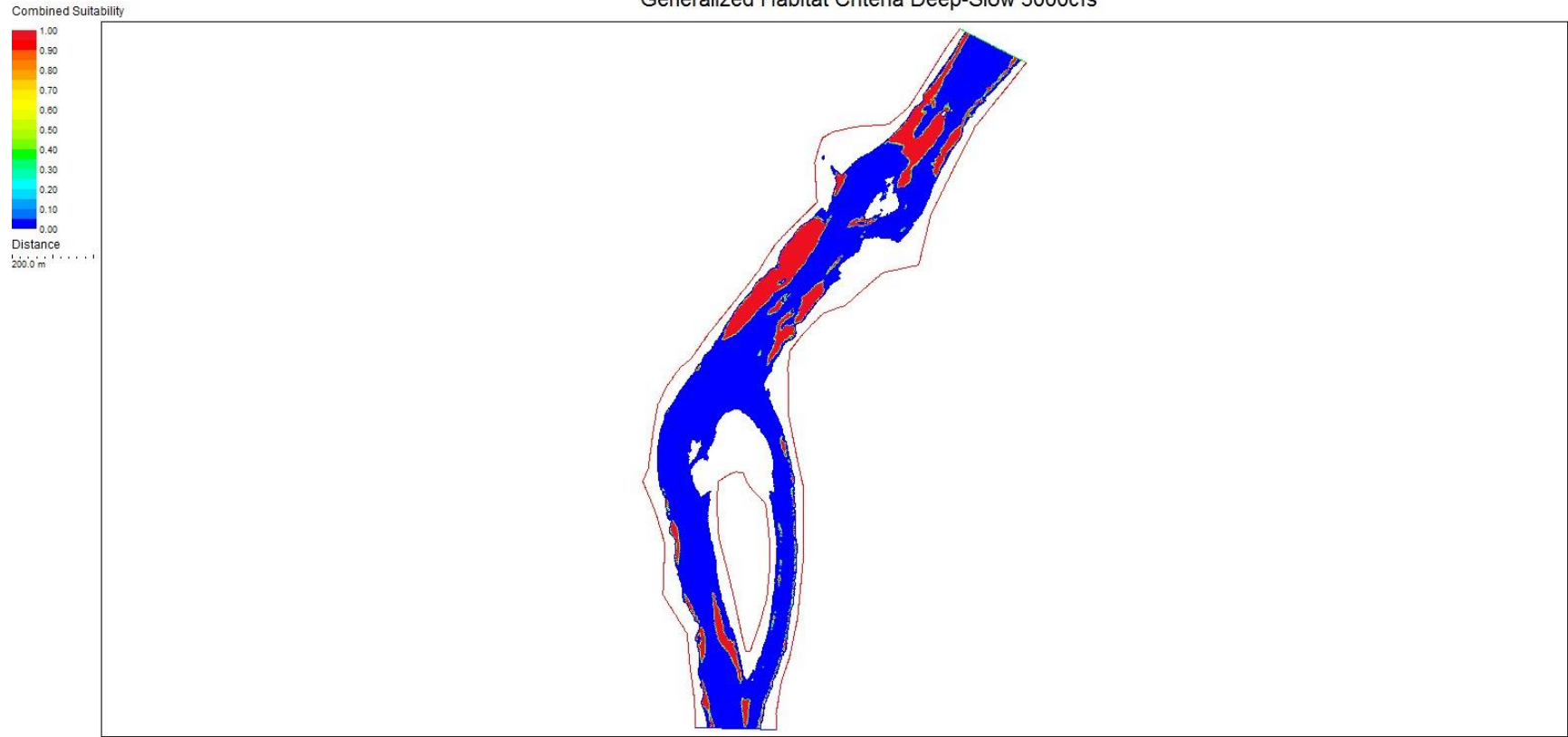
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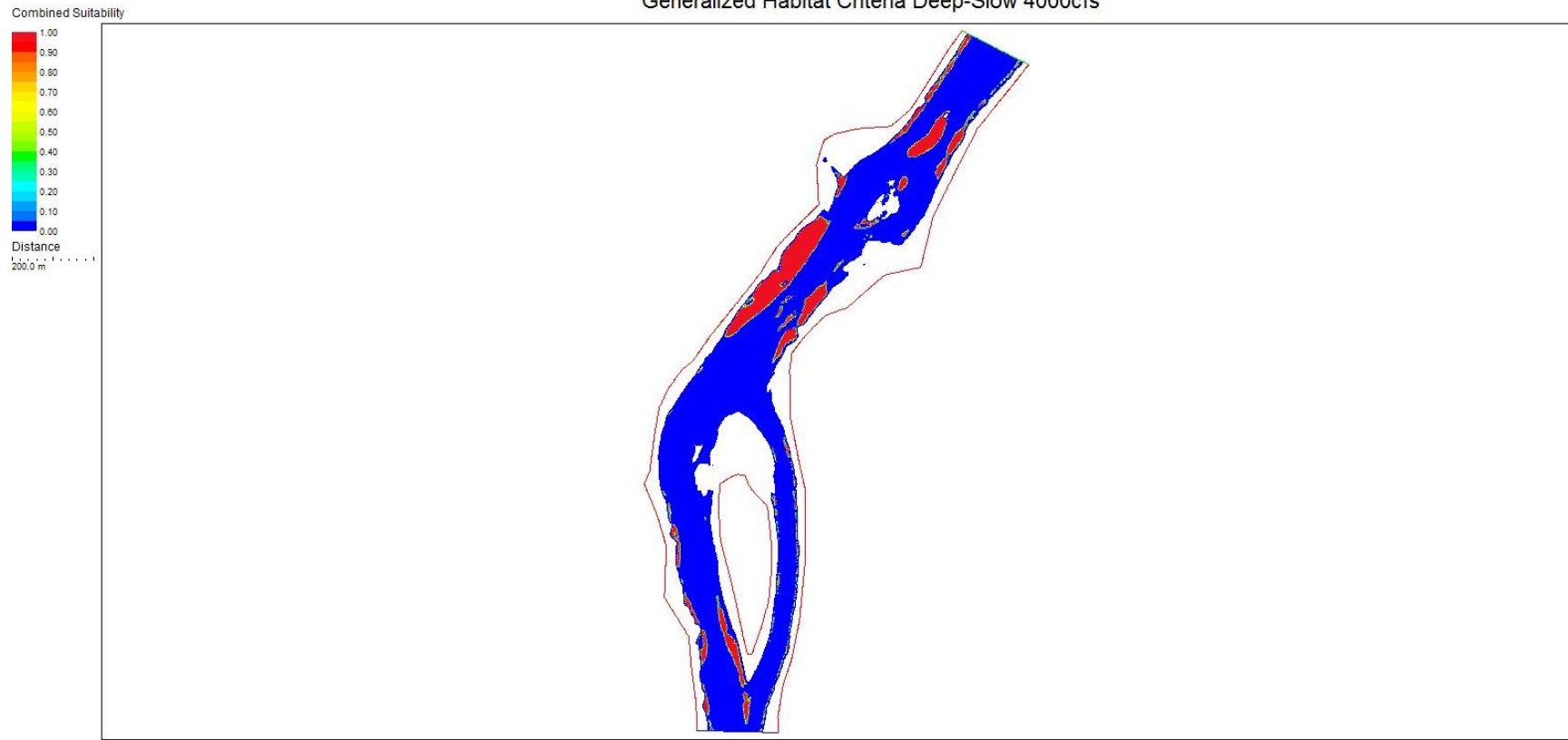
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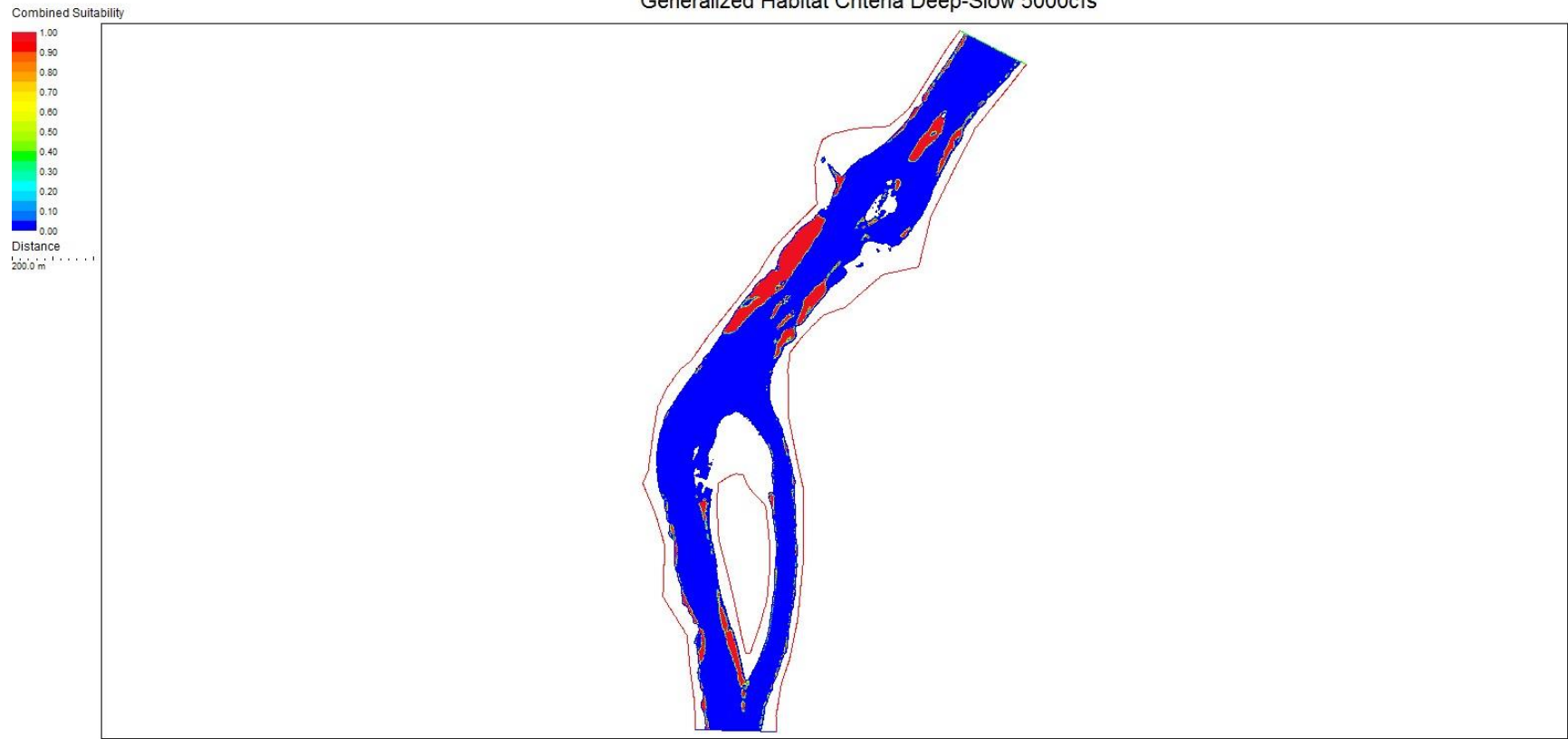
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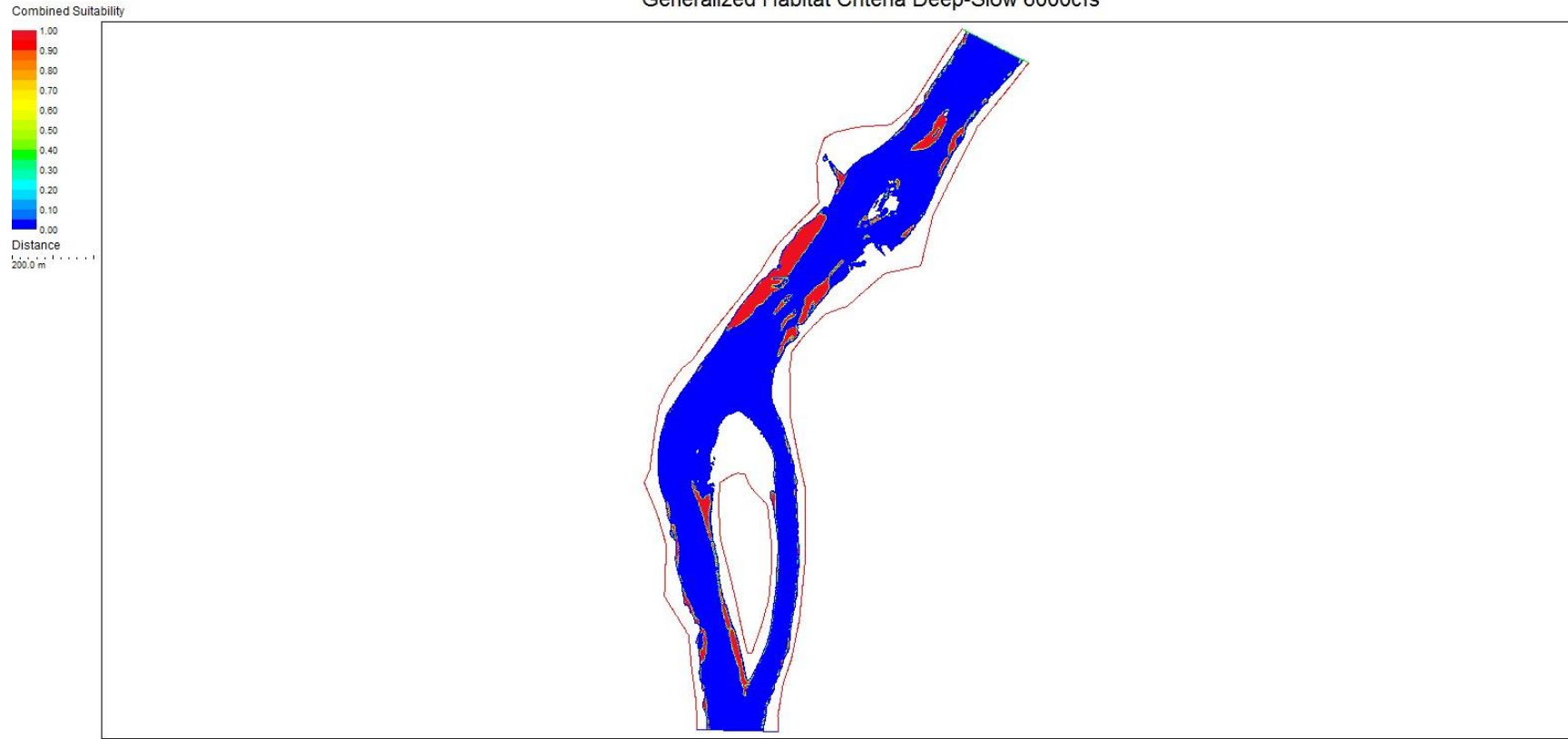
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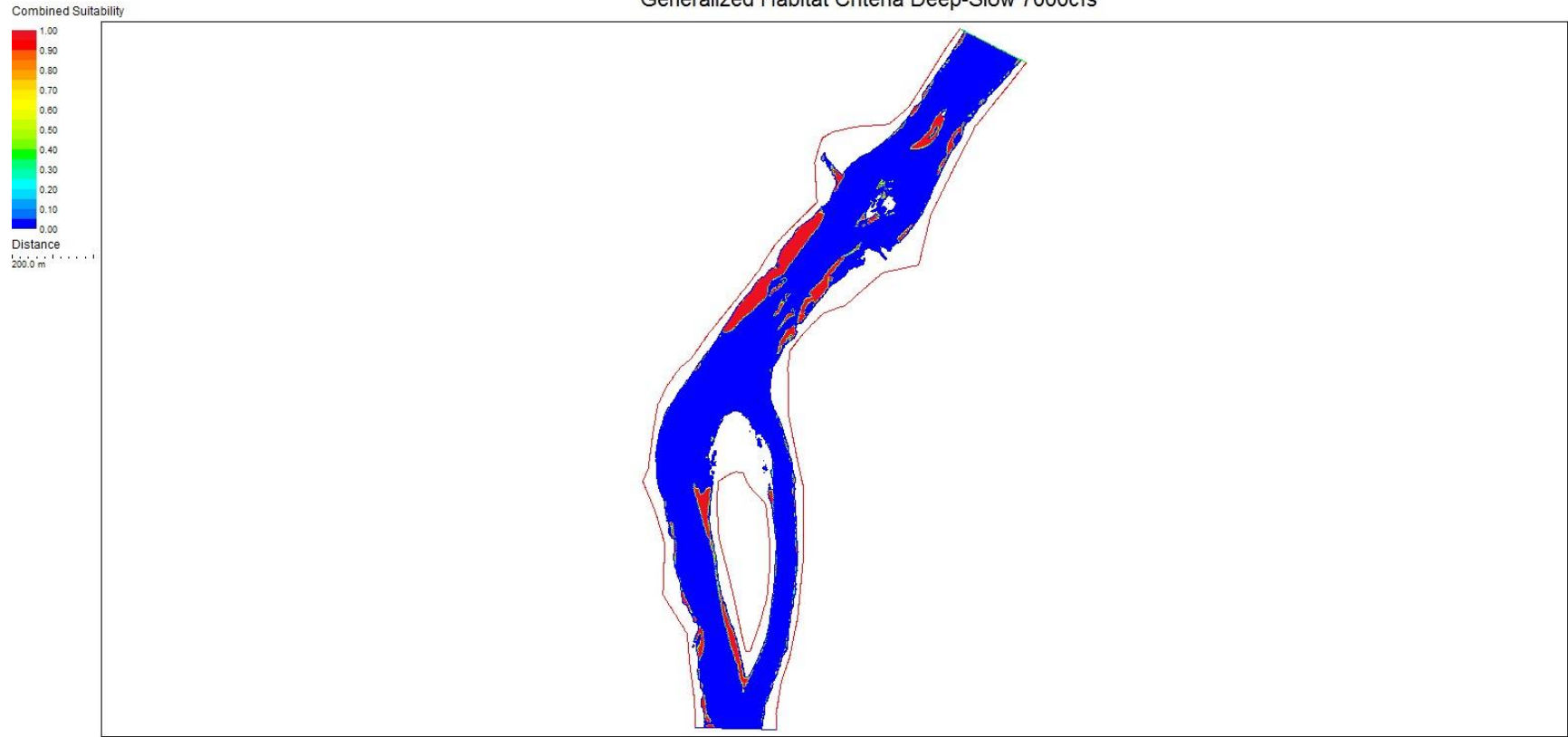
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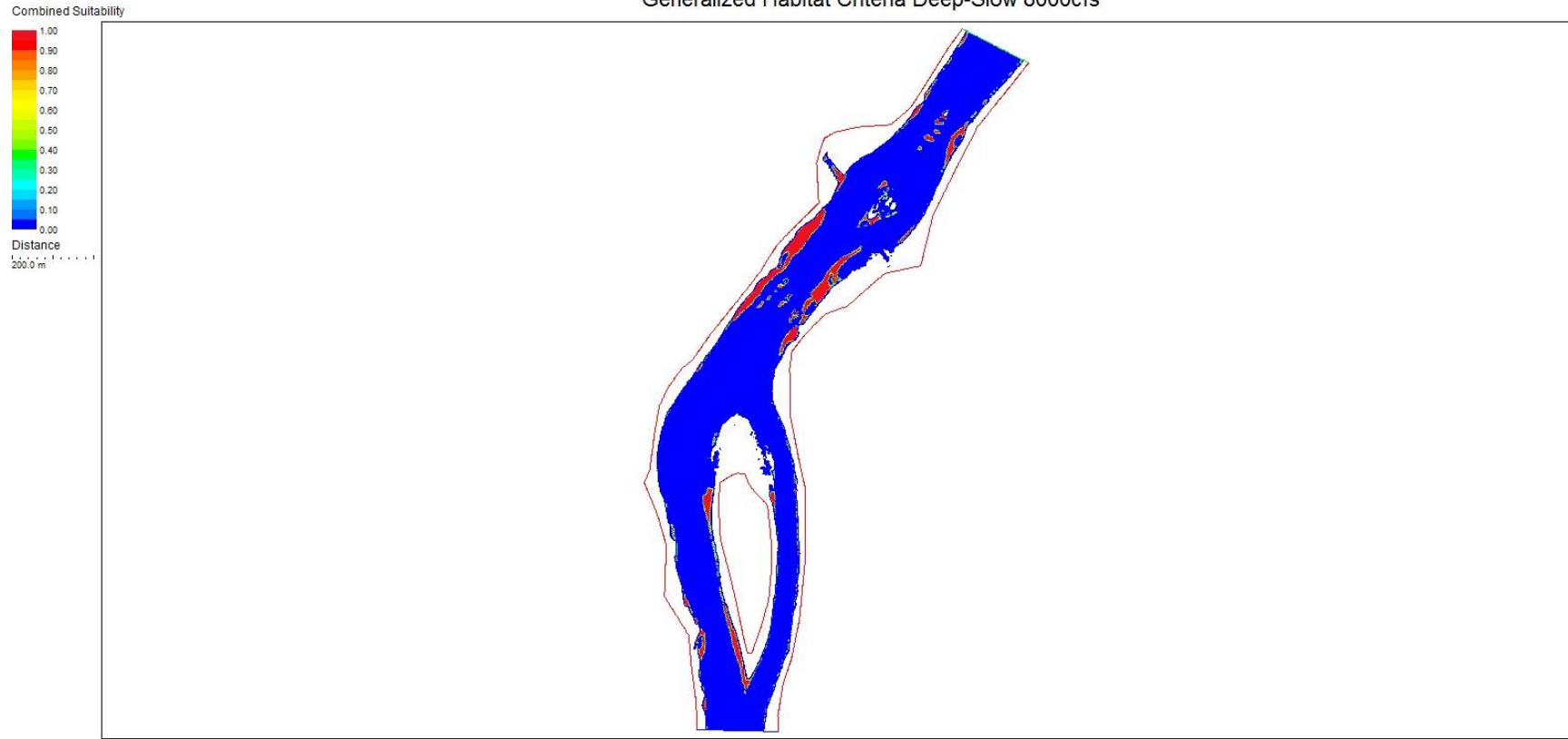
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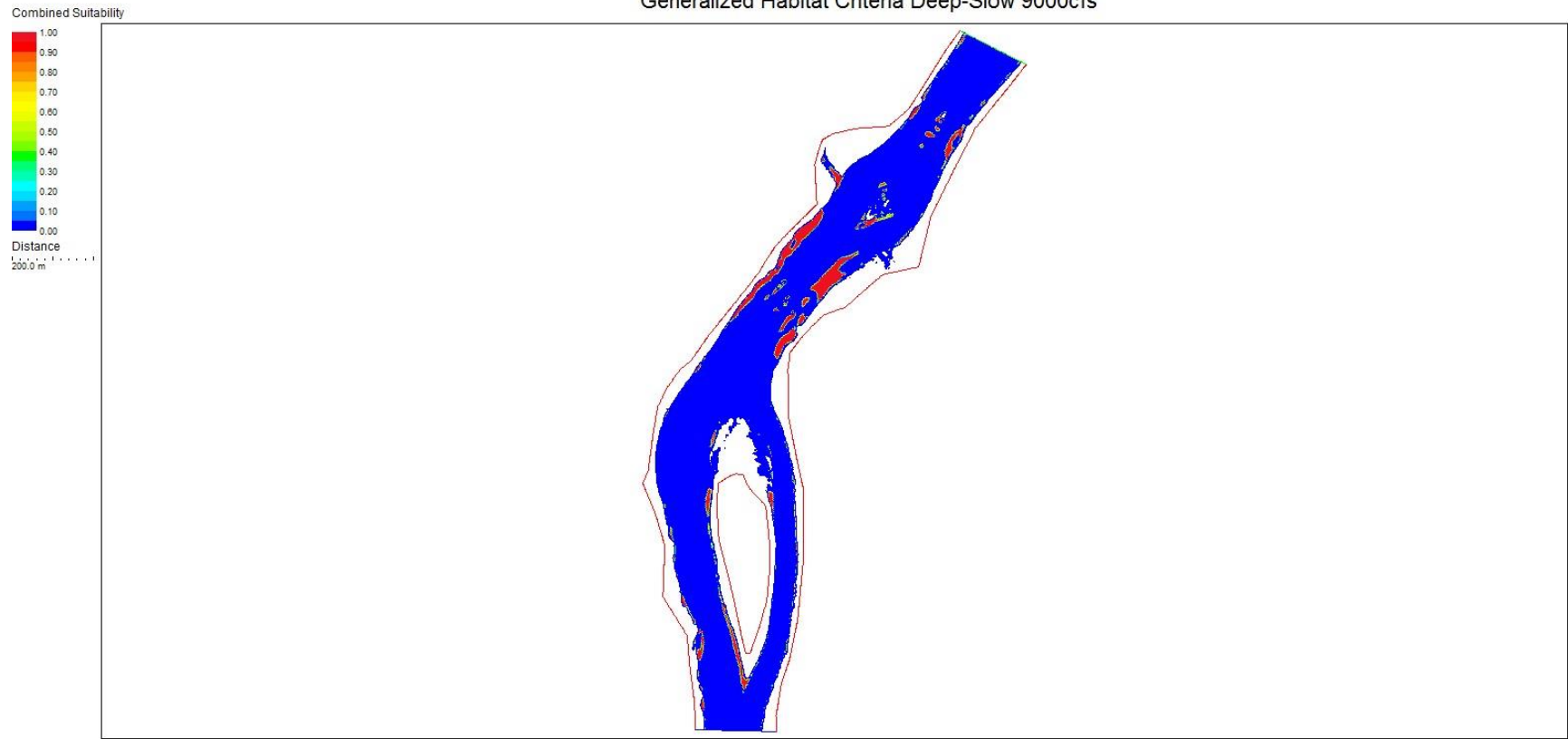
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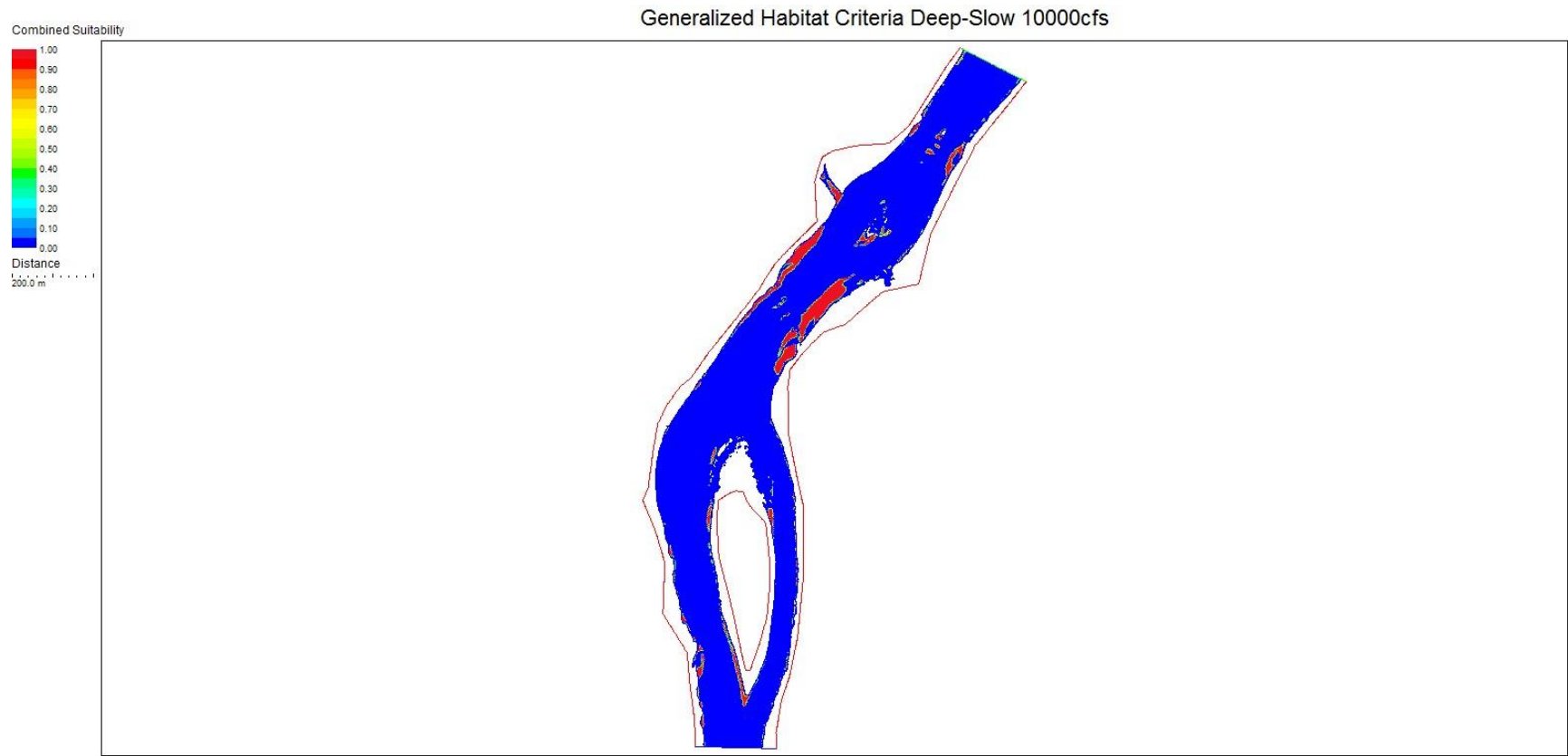


Generalized Habitat Criteria Deep-Slow 8000cfs

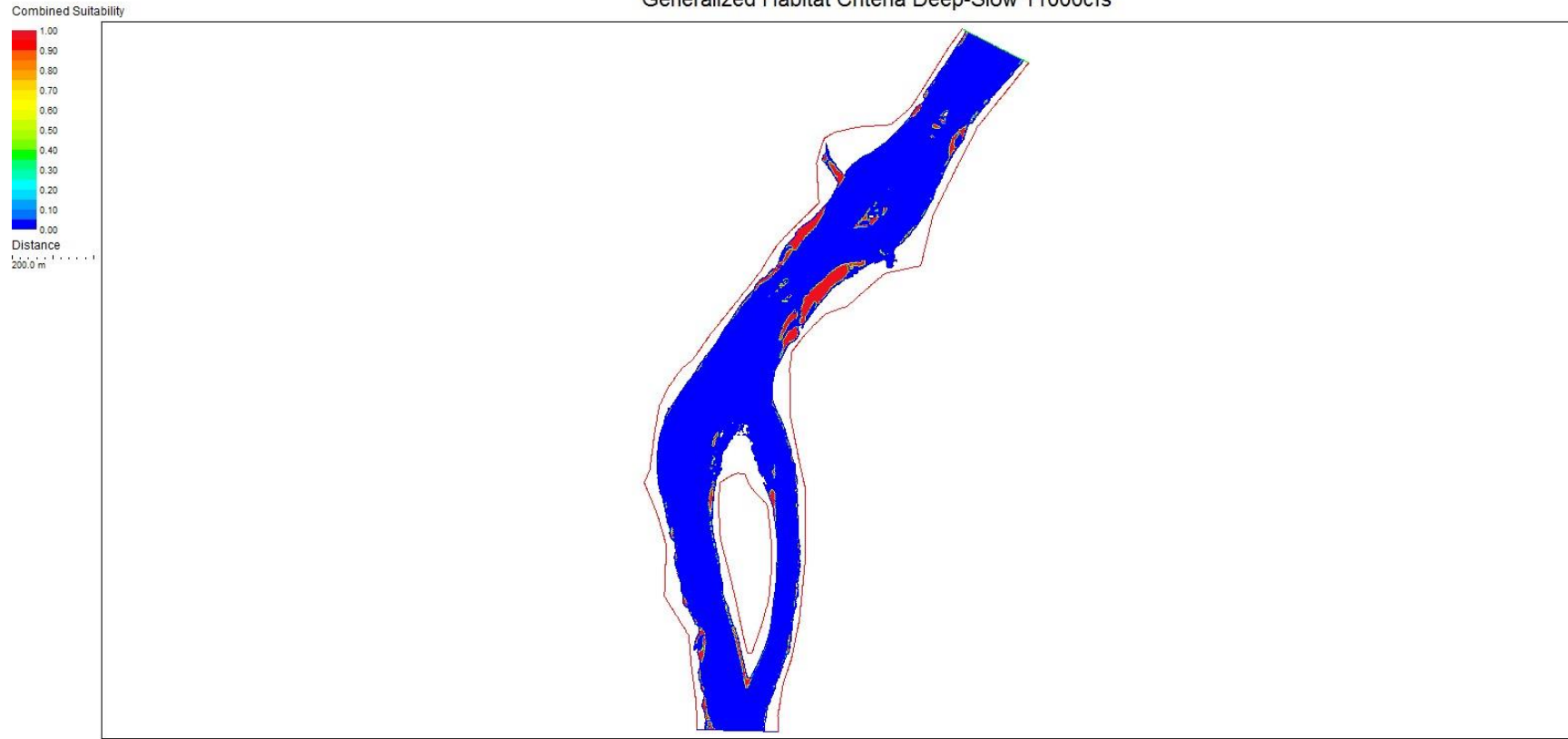


Generalized Habitat Criteria Deep-Slow 9000cfs

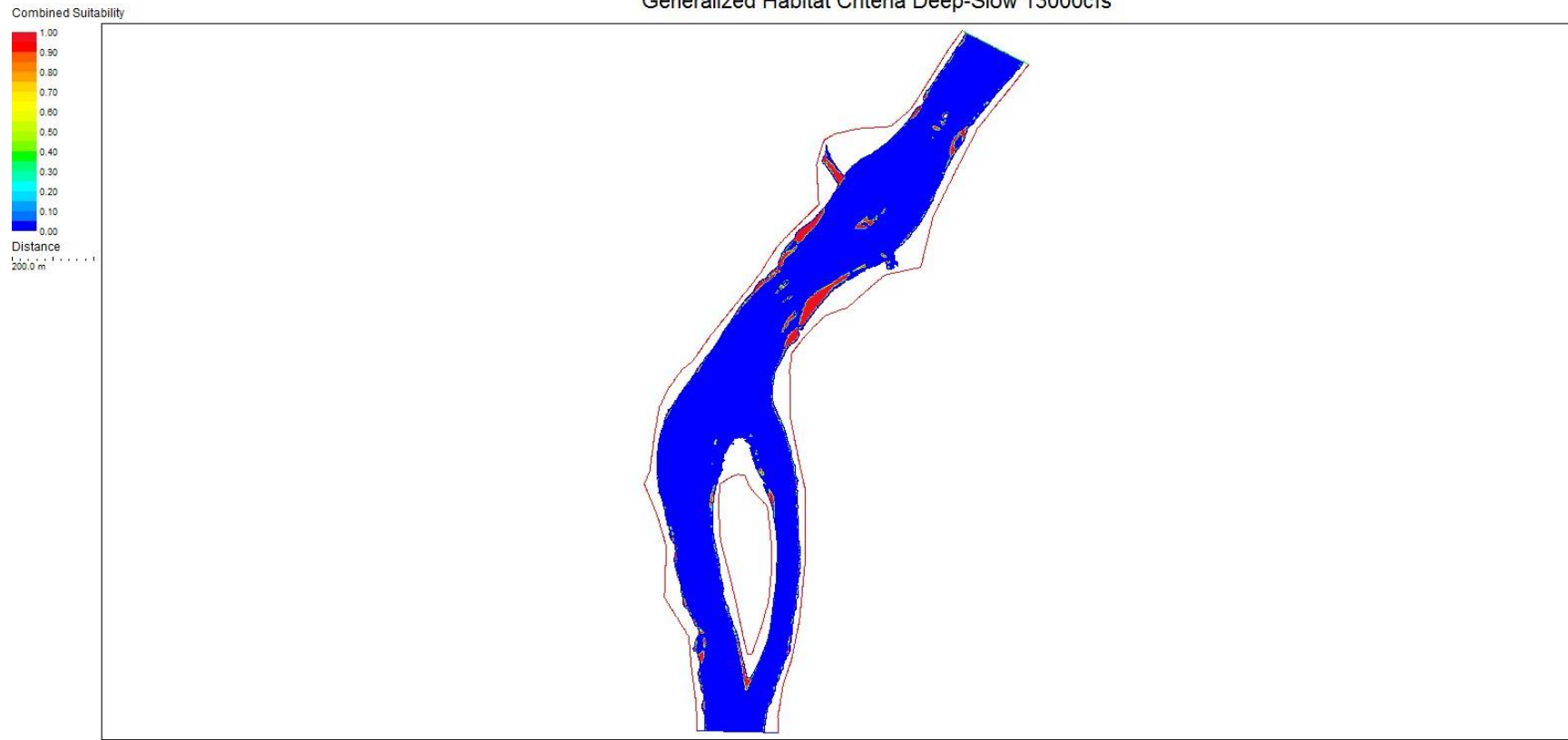




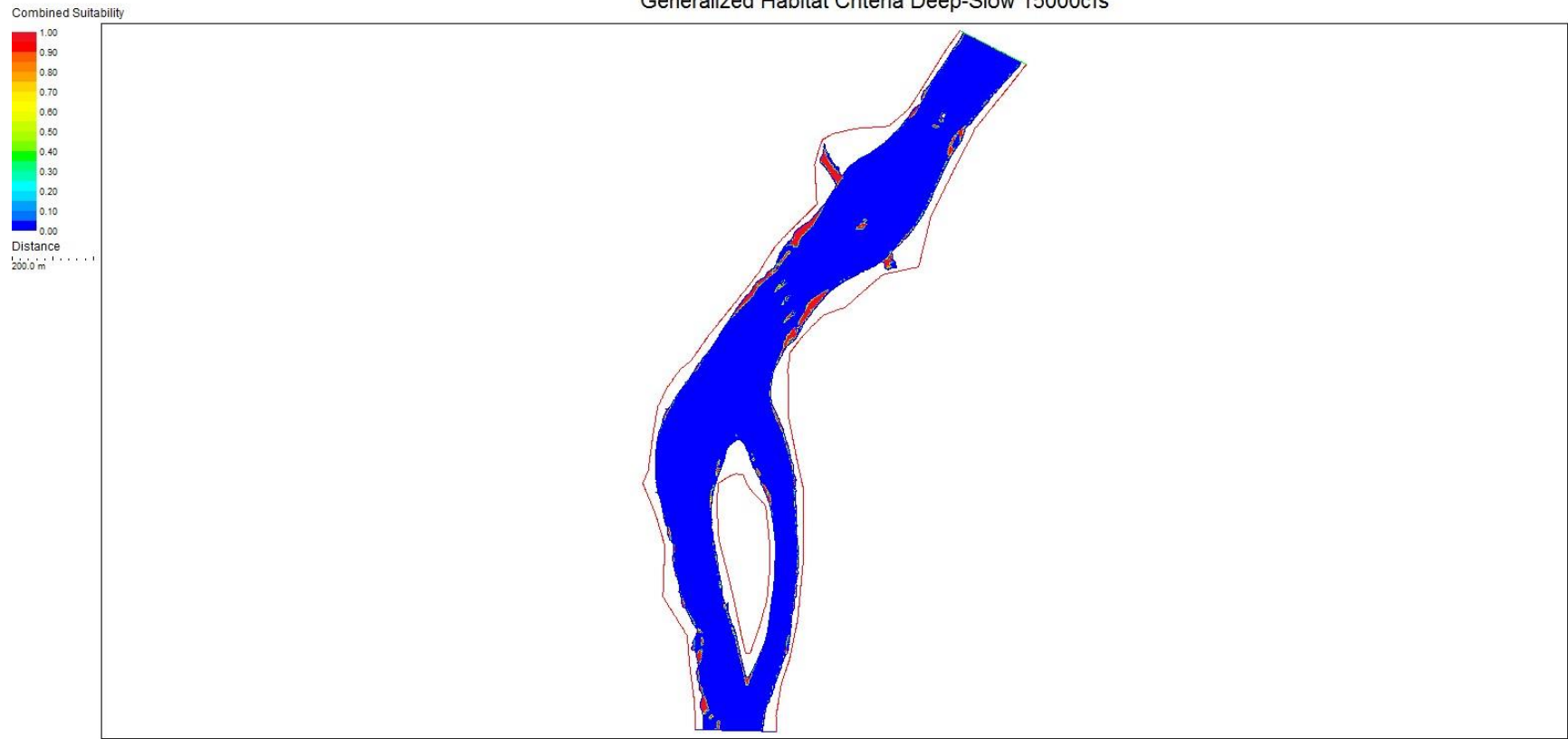
Generalized Habitat Criteria Deep-Slow 11000cfs

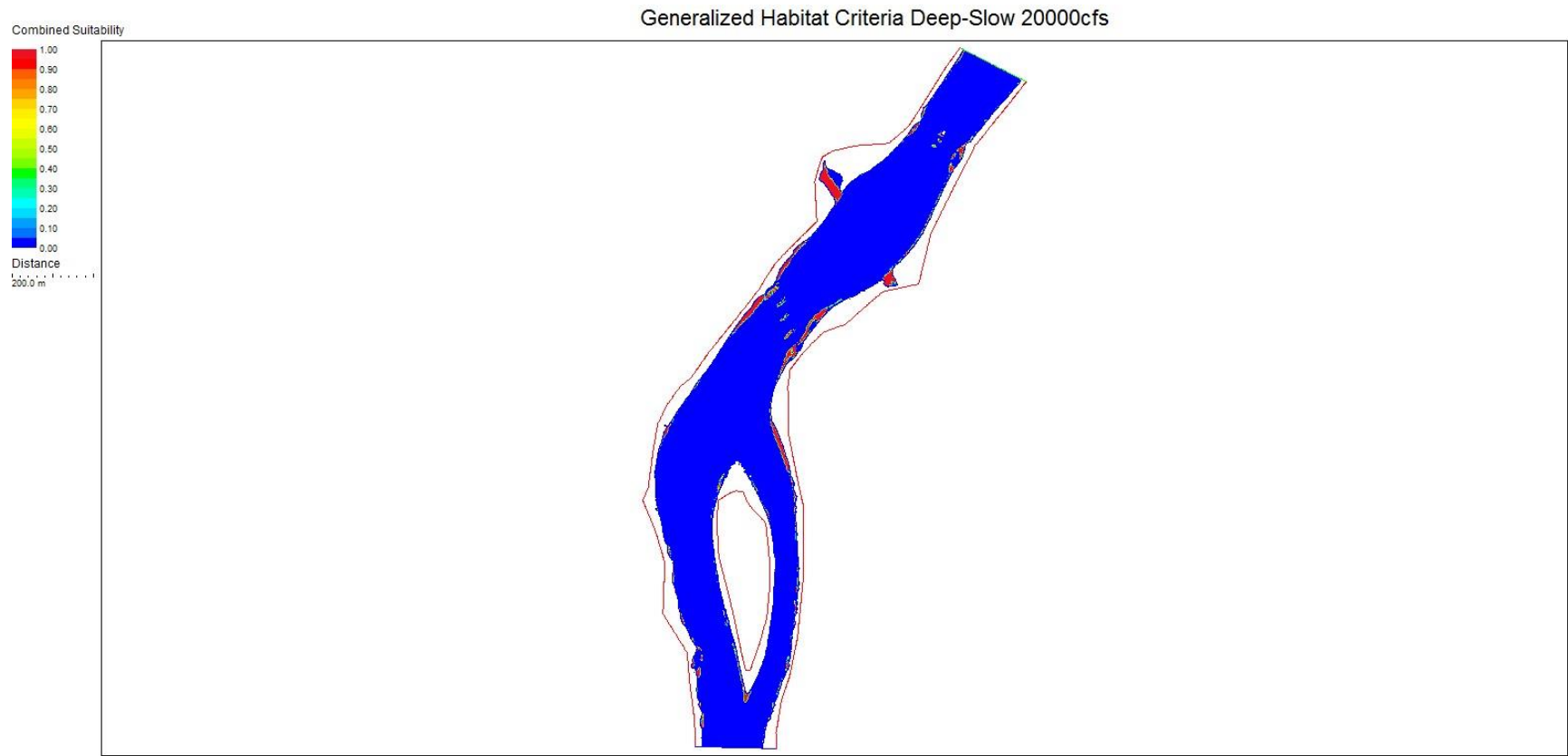


Generalized Habitat Criteria Deep-Slow 13000cfs

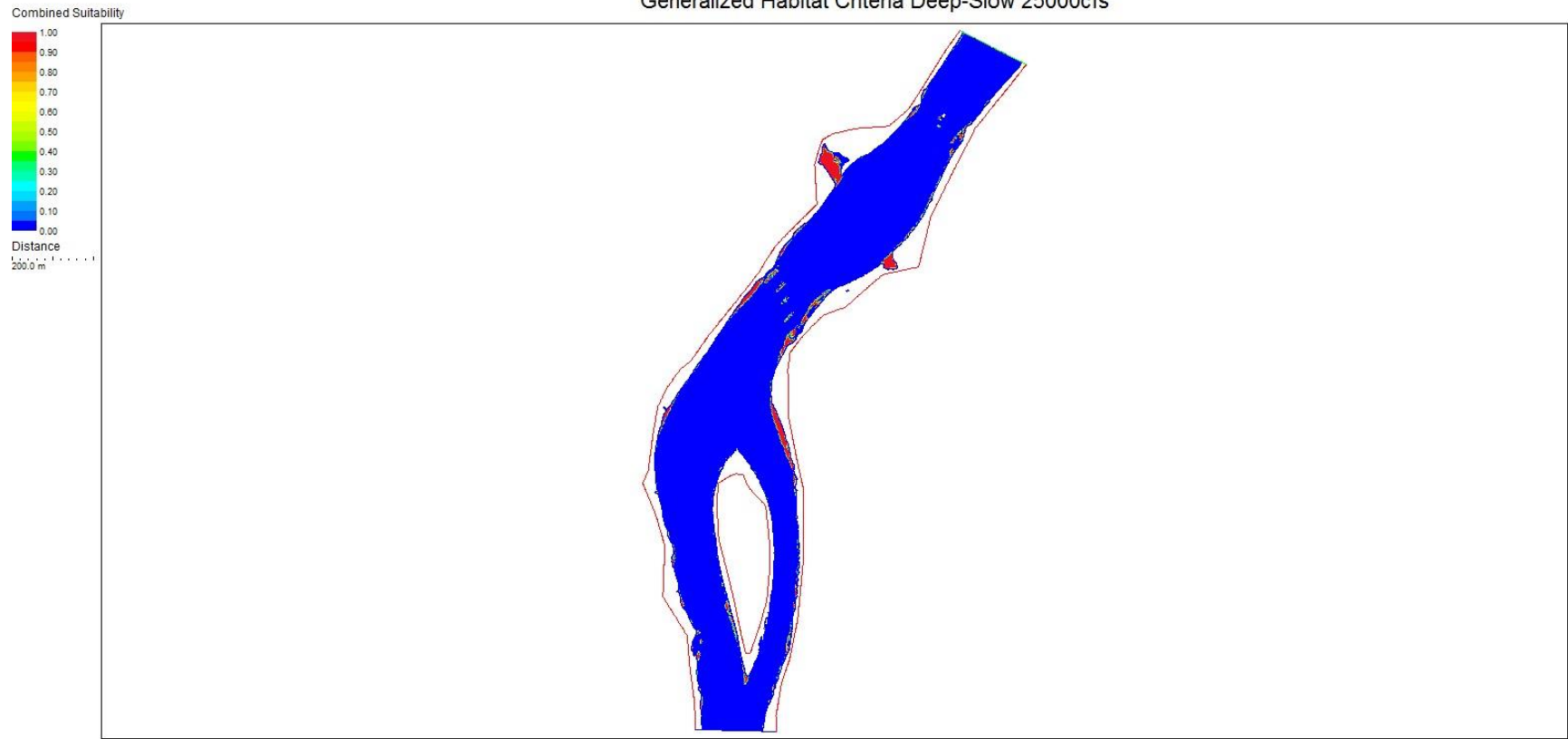


Generalized Habitat Criteria Deep-Slow 15000cfs

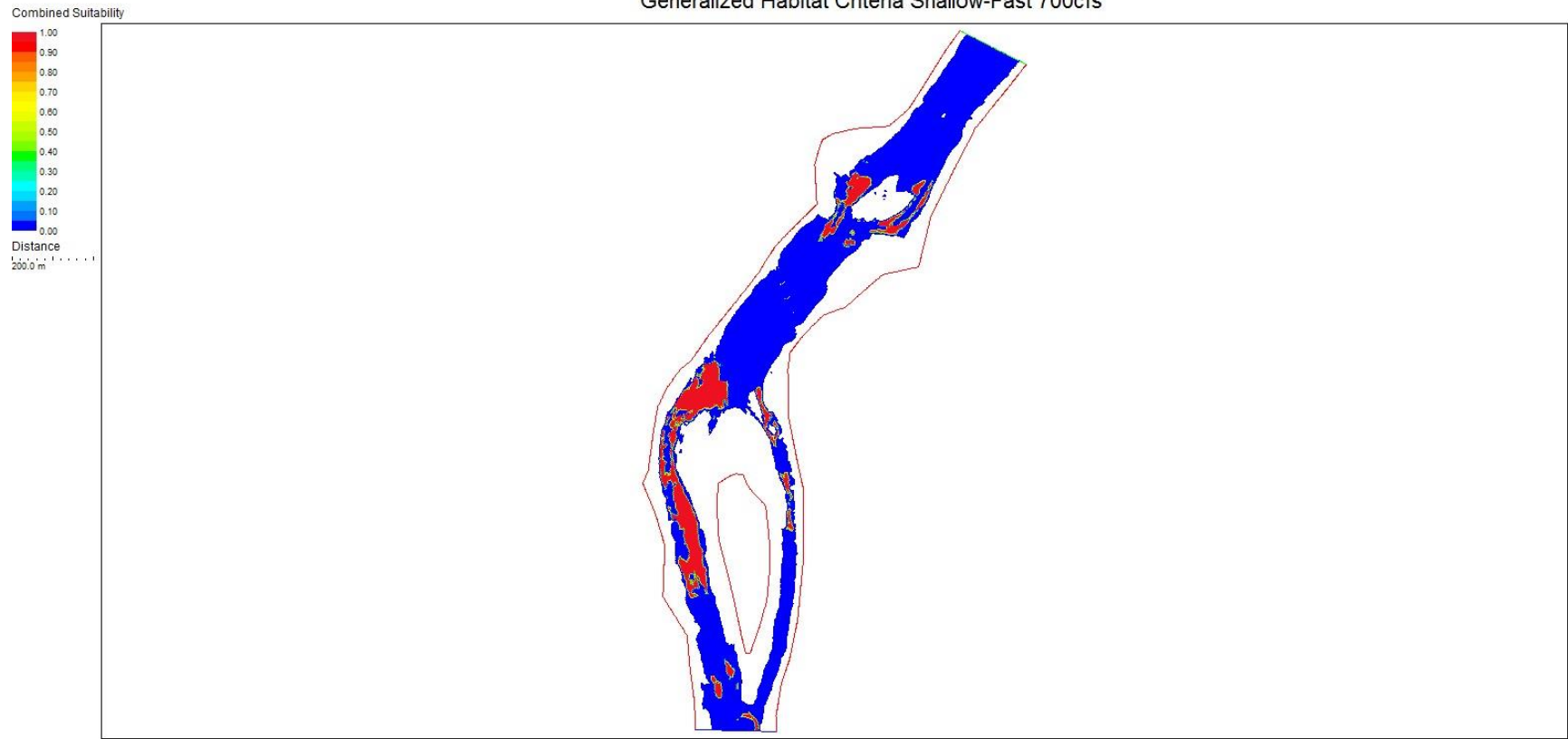




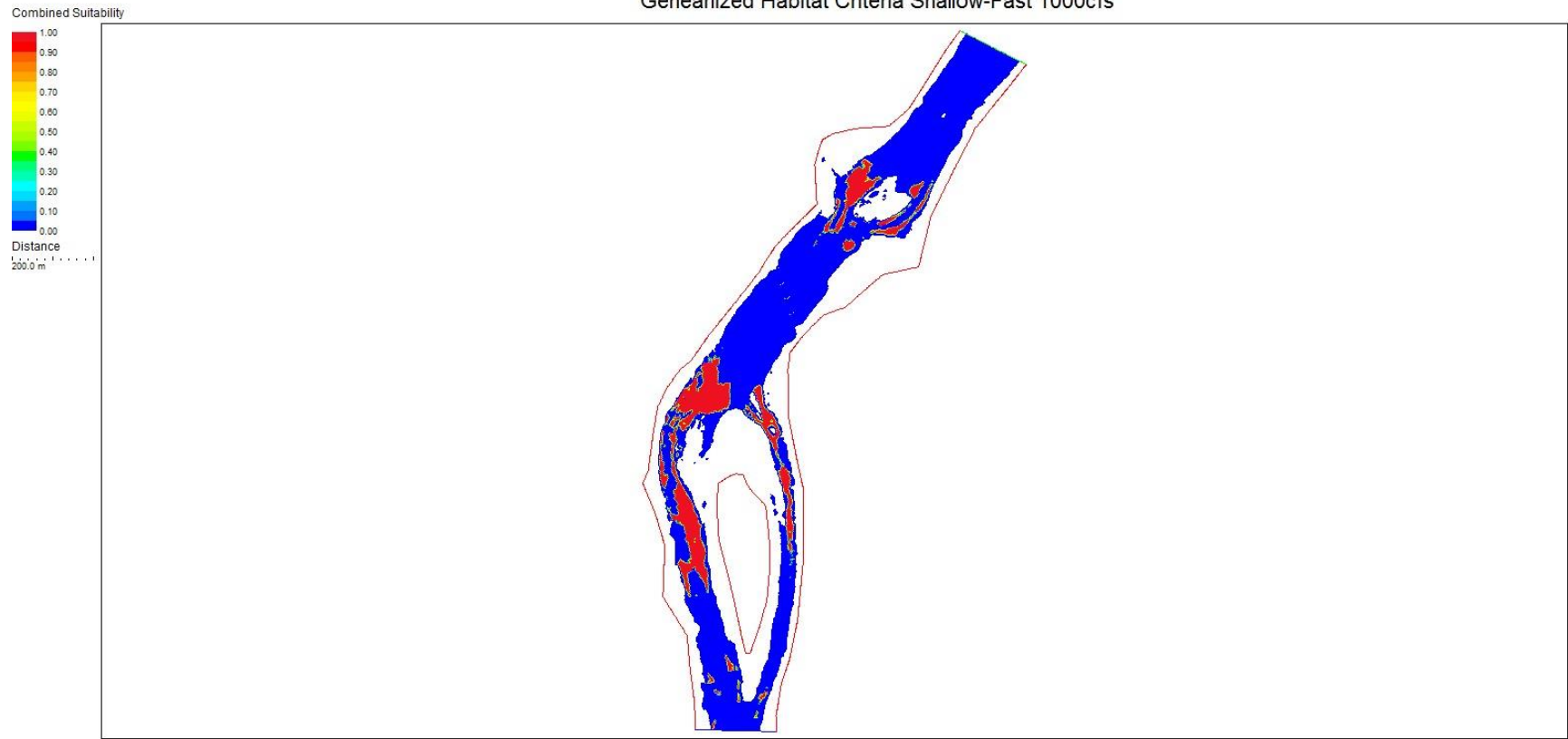
Generalized Habitat Criteria Deep-Slow 25000cfs

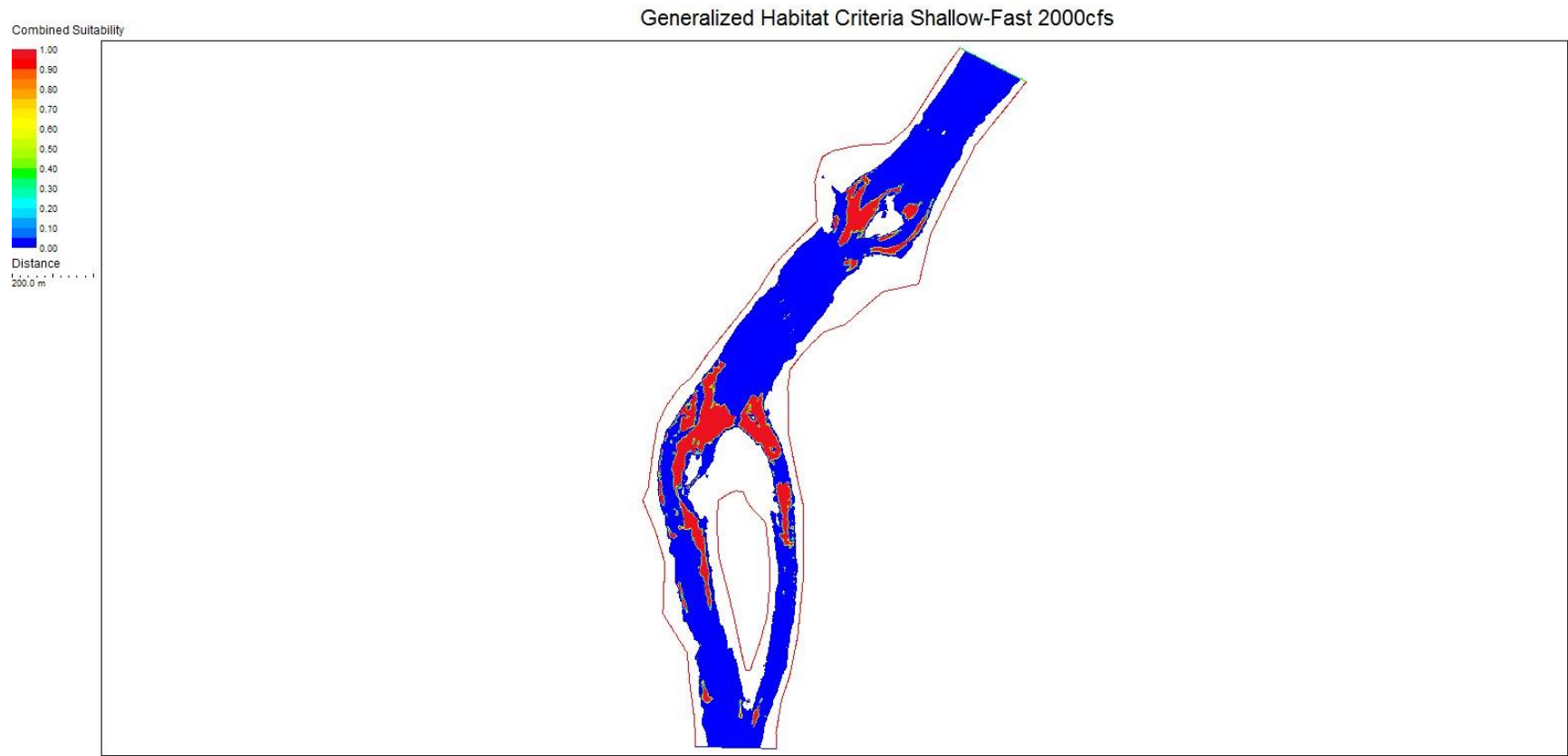


Generalized Habitat Criteria Shallow-Fast 700cfs

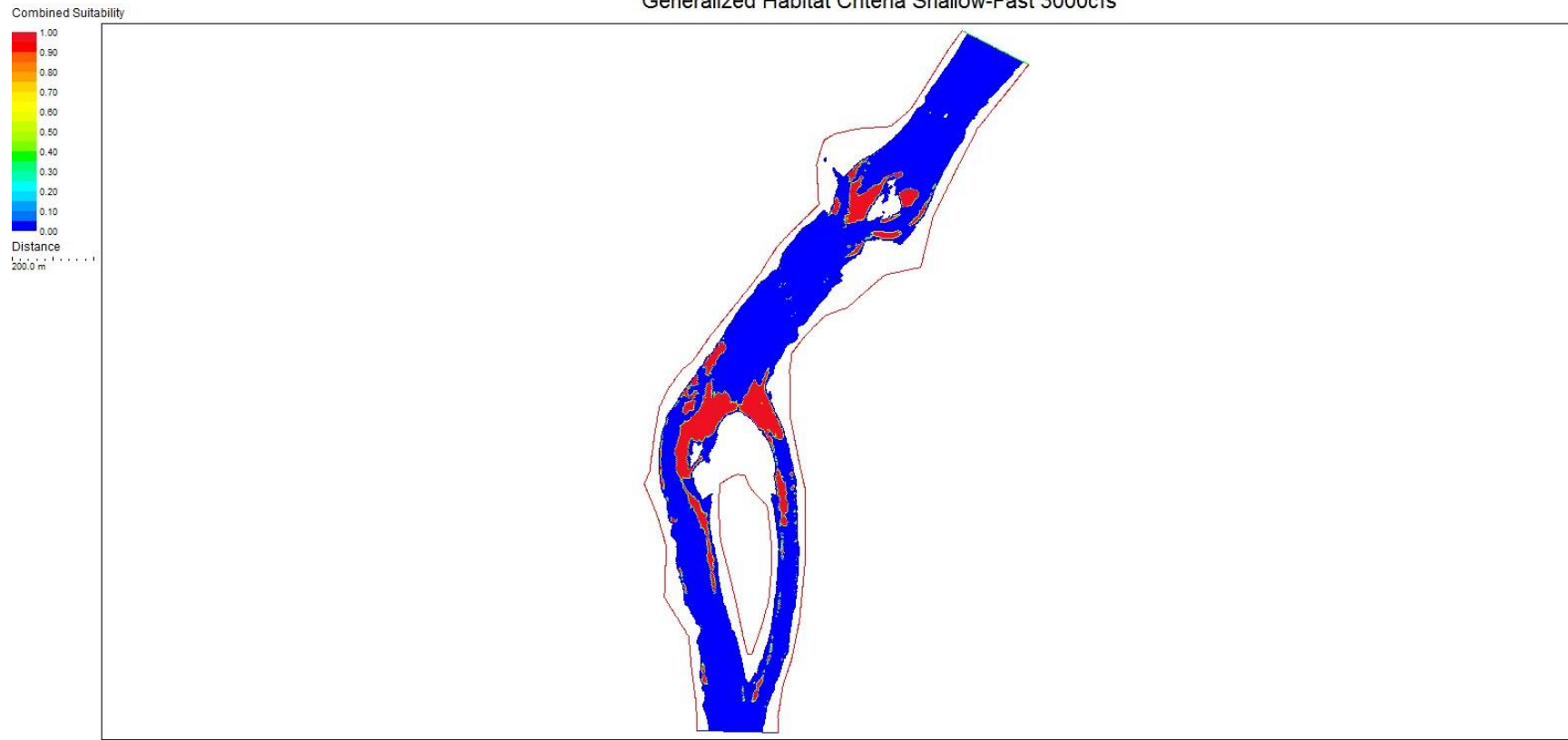


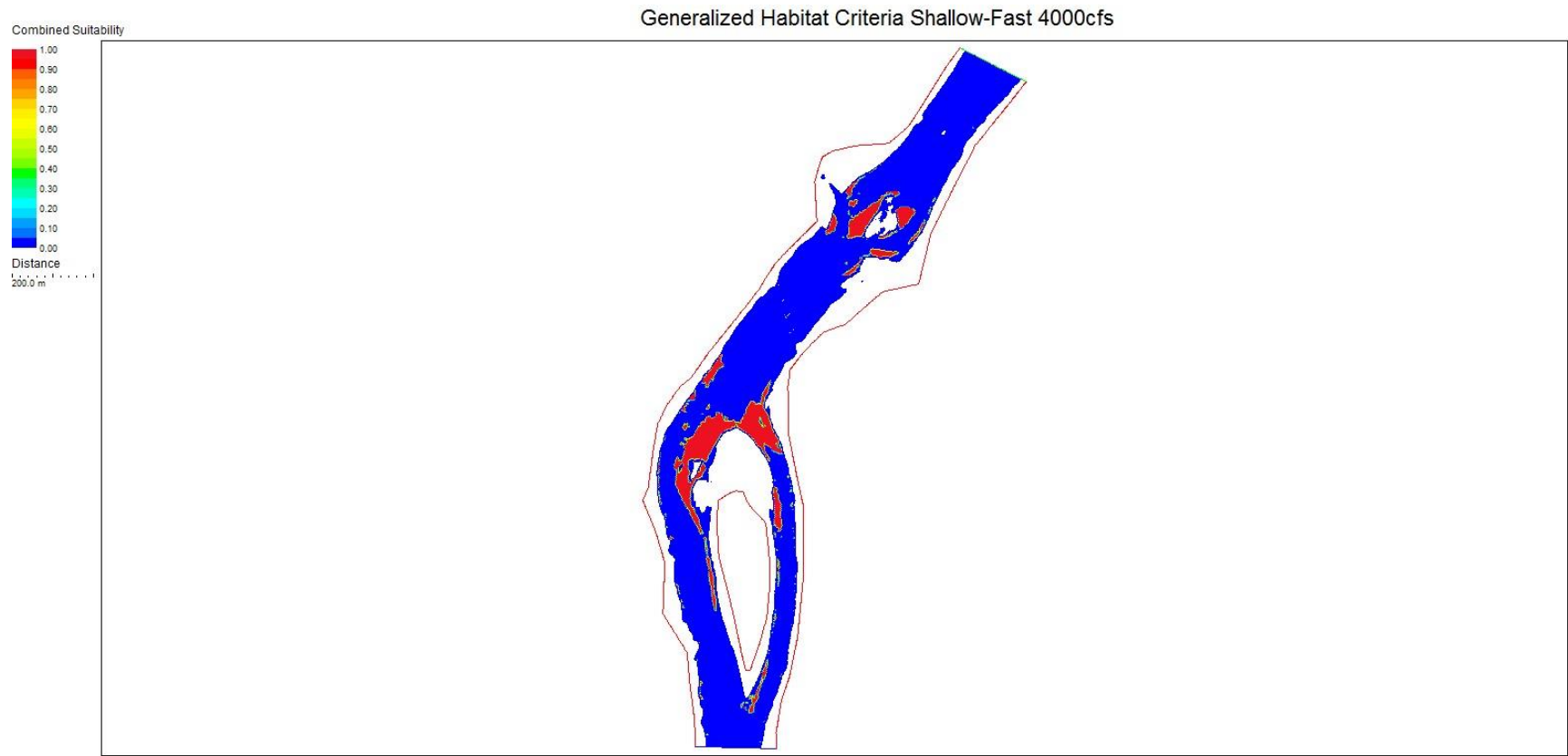
Generalized Habitat Criteria Shallow-Fast 1000cfs

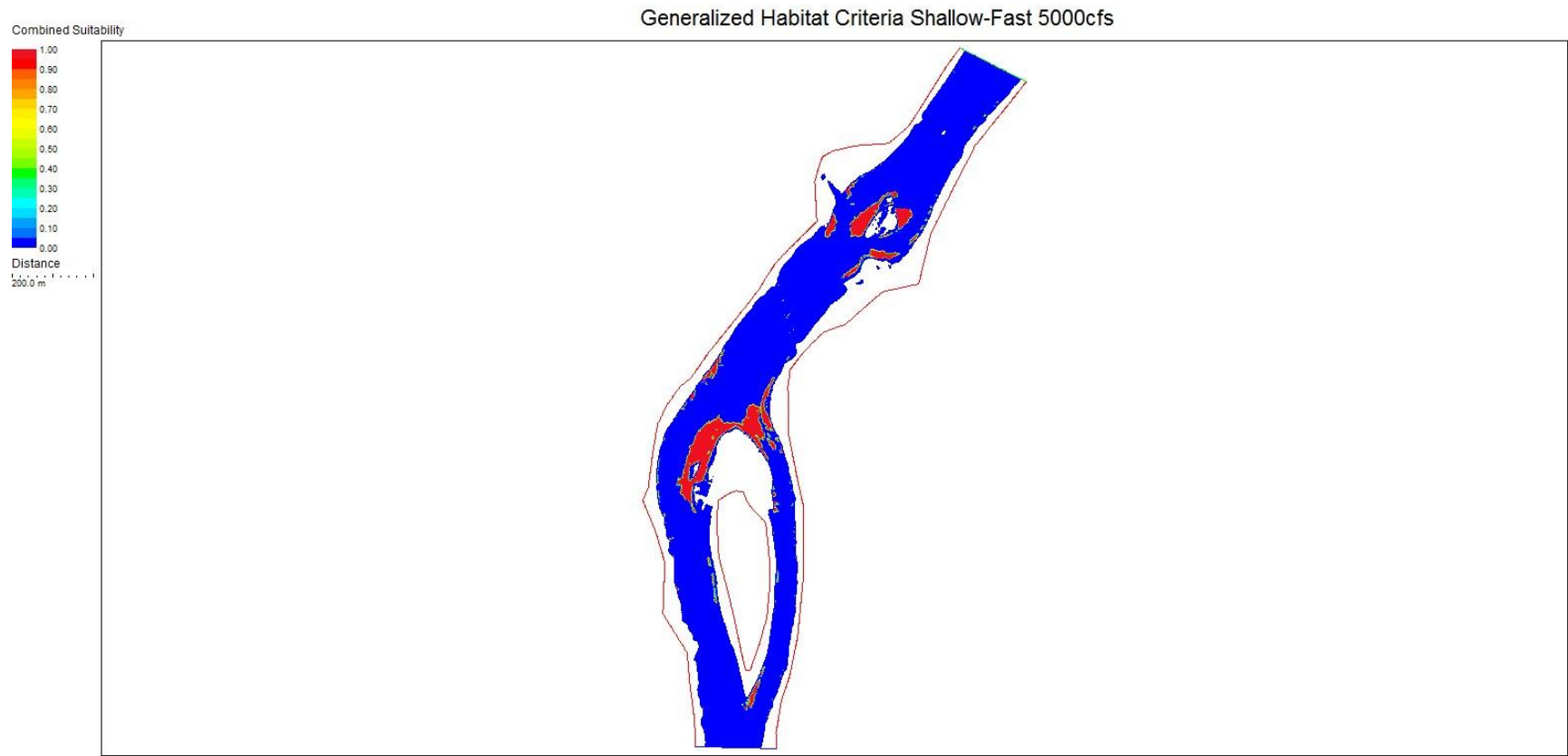




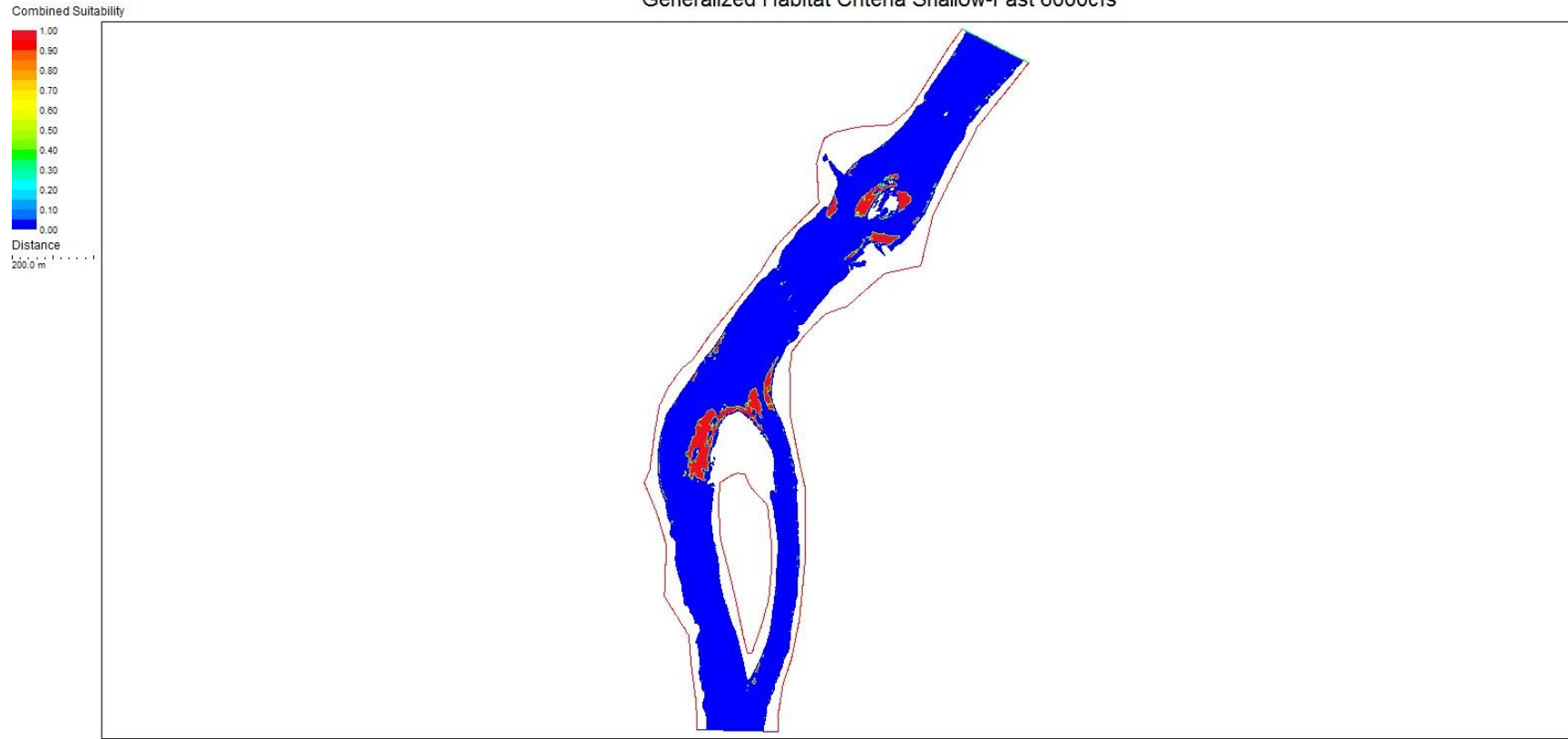
Generalized Habitat Criteria Shallow-Fast 3000cfs



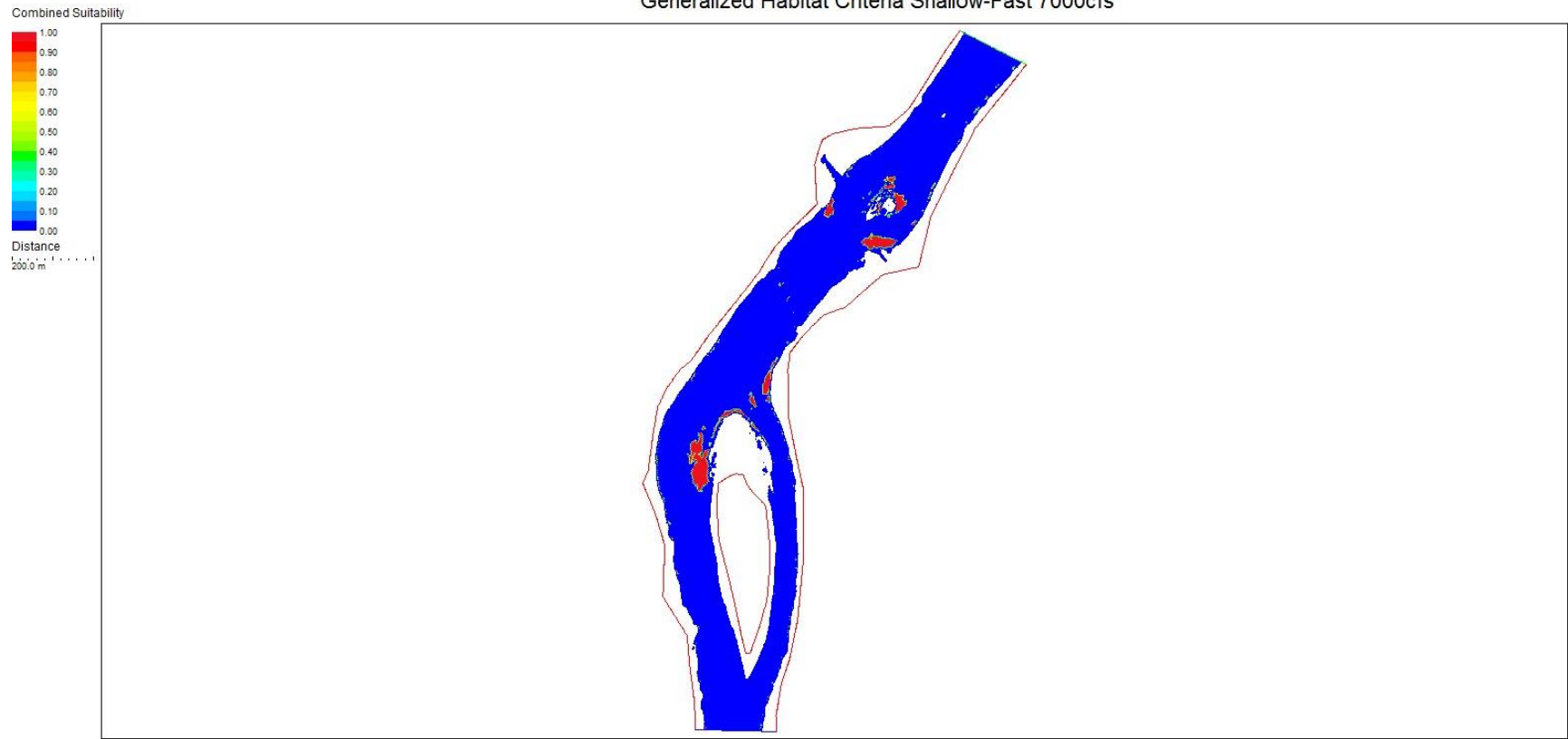




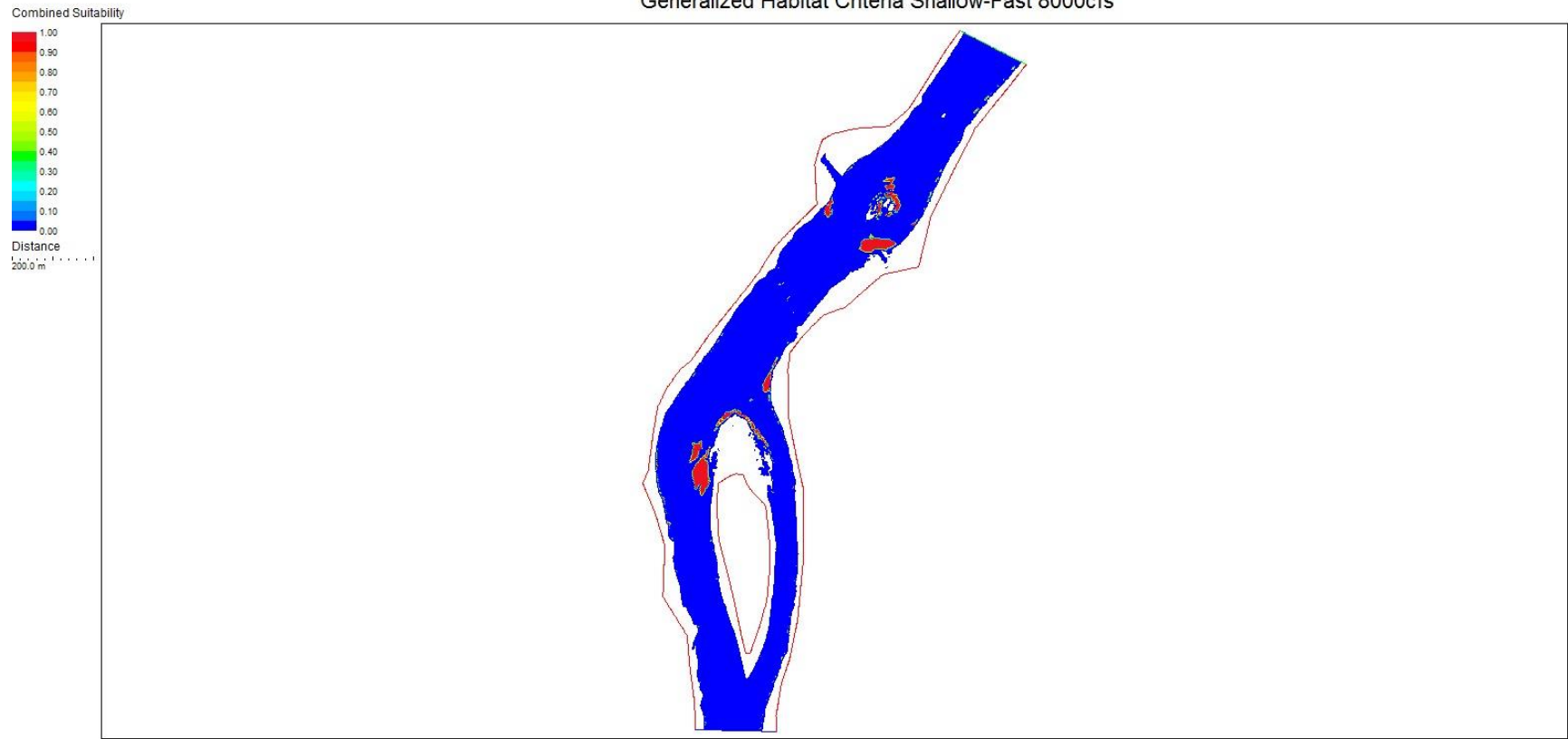
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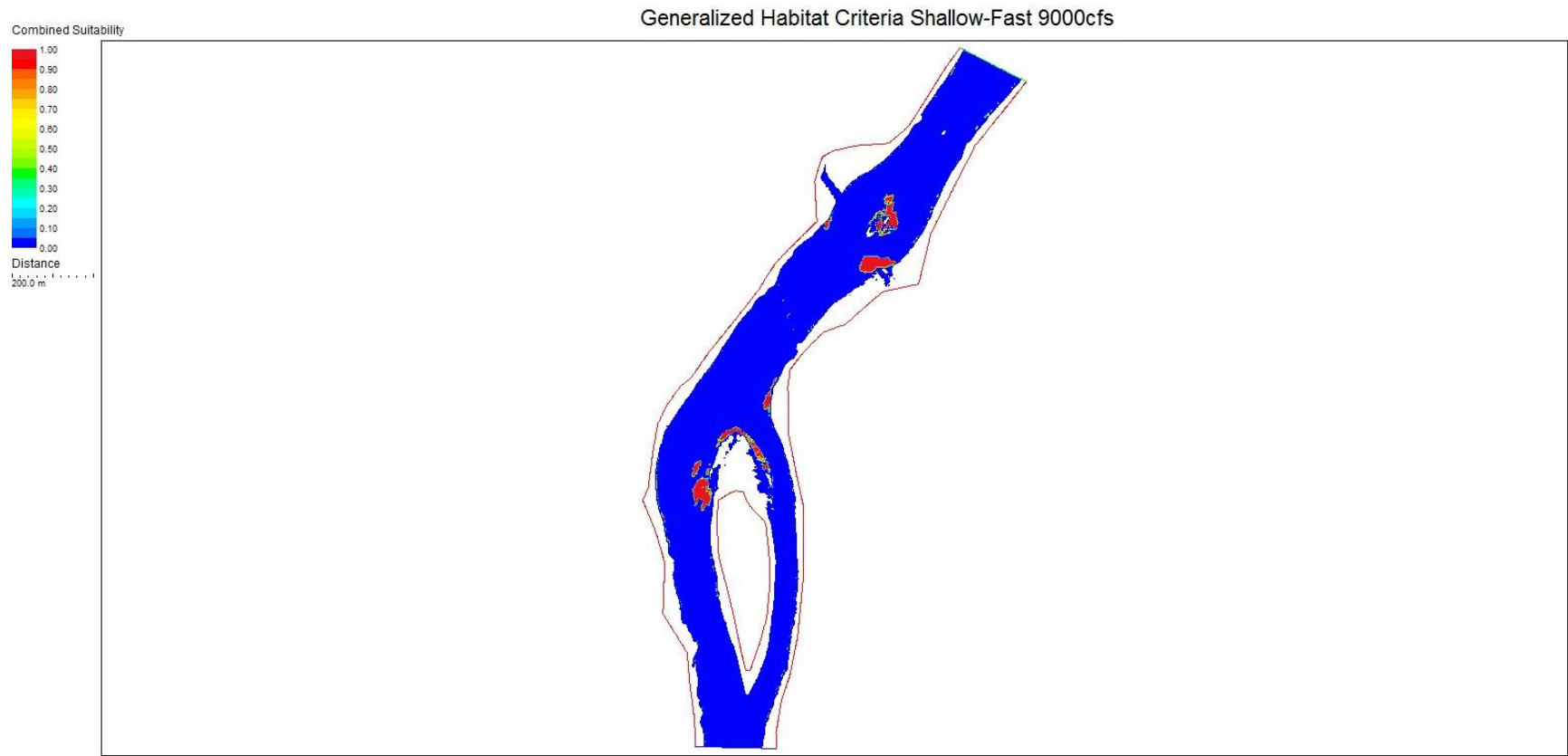


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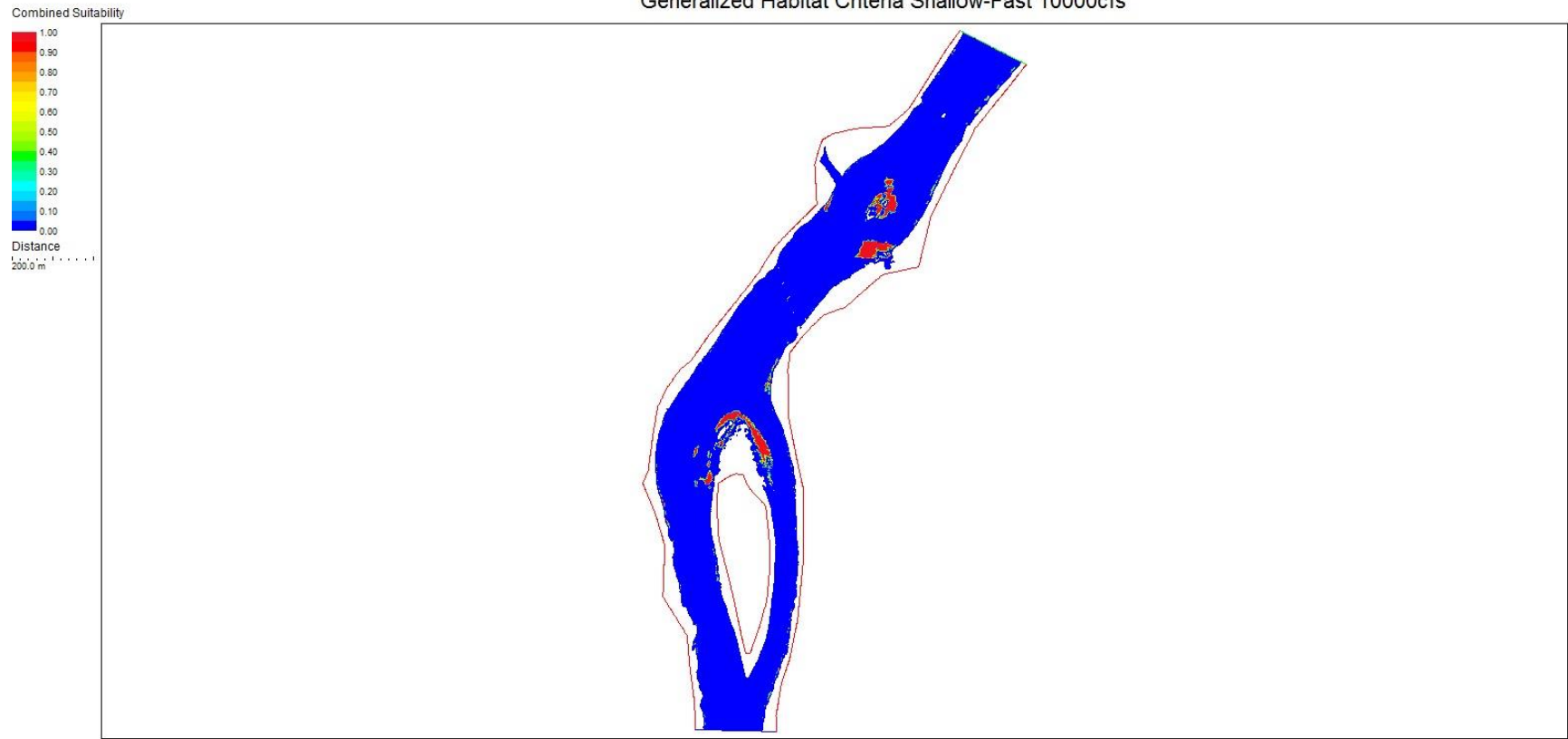


Generalized Habitat Criteria Shallow-Fast 8000cfs

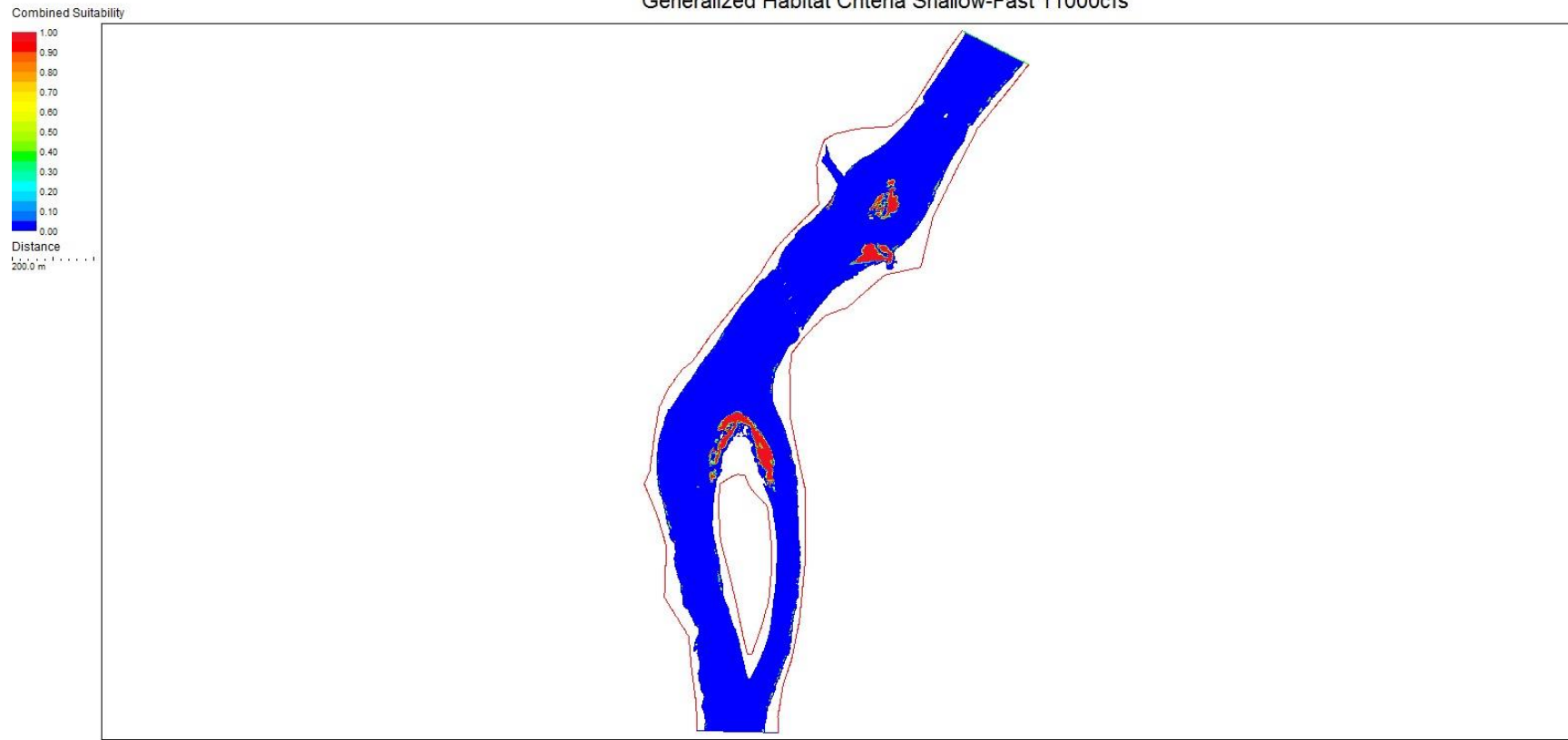




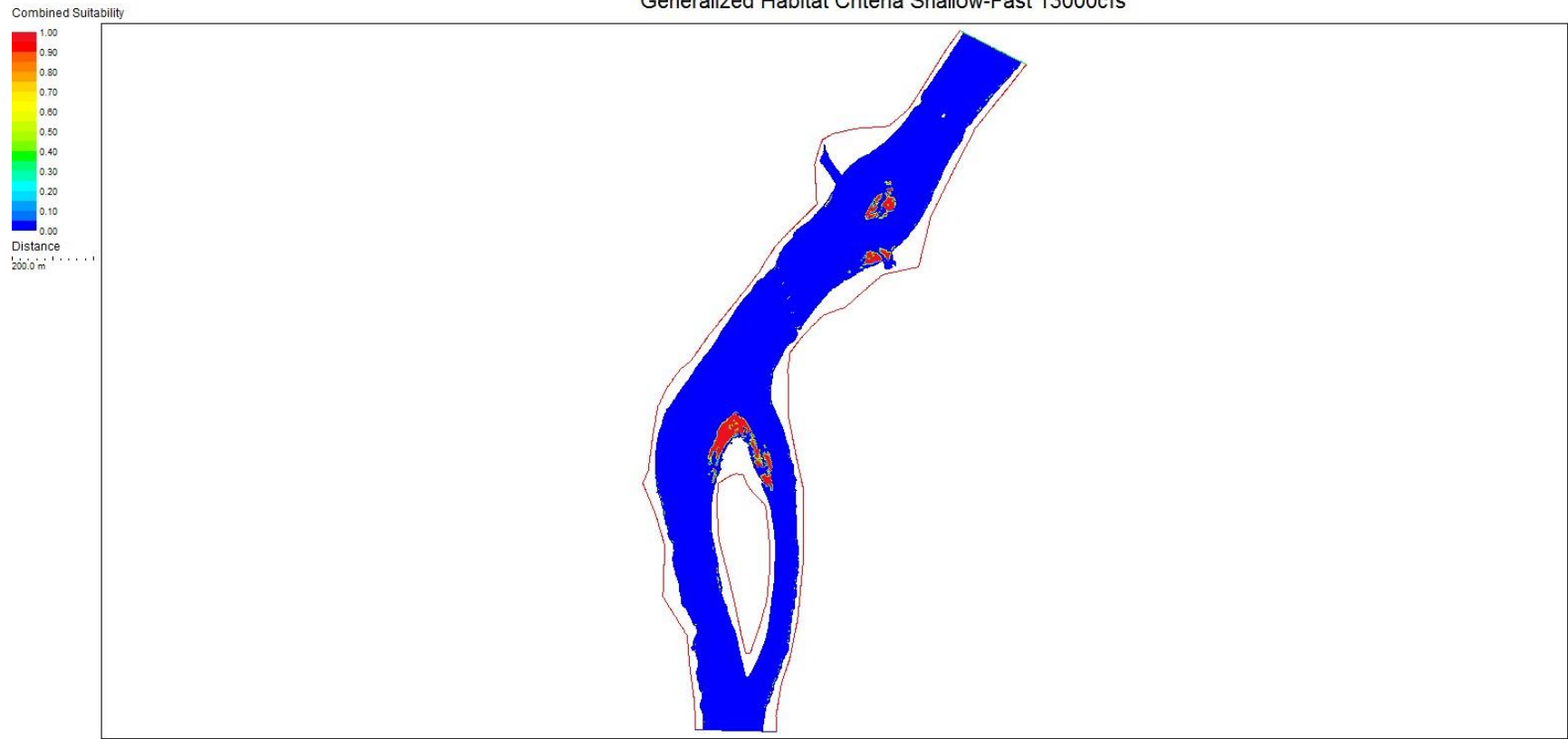
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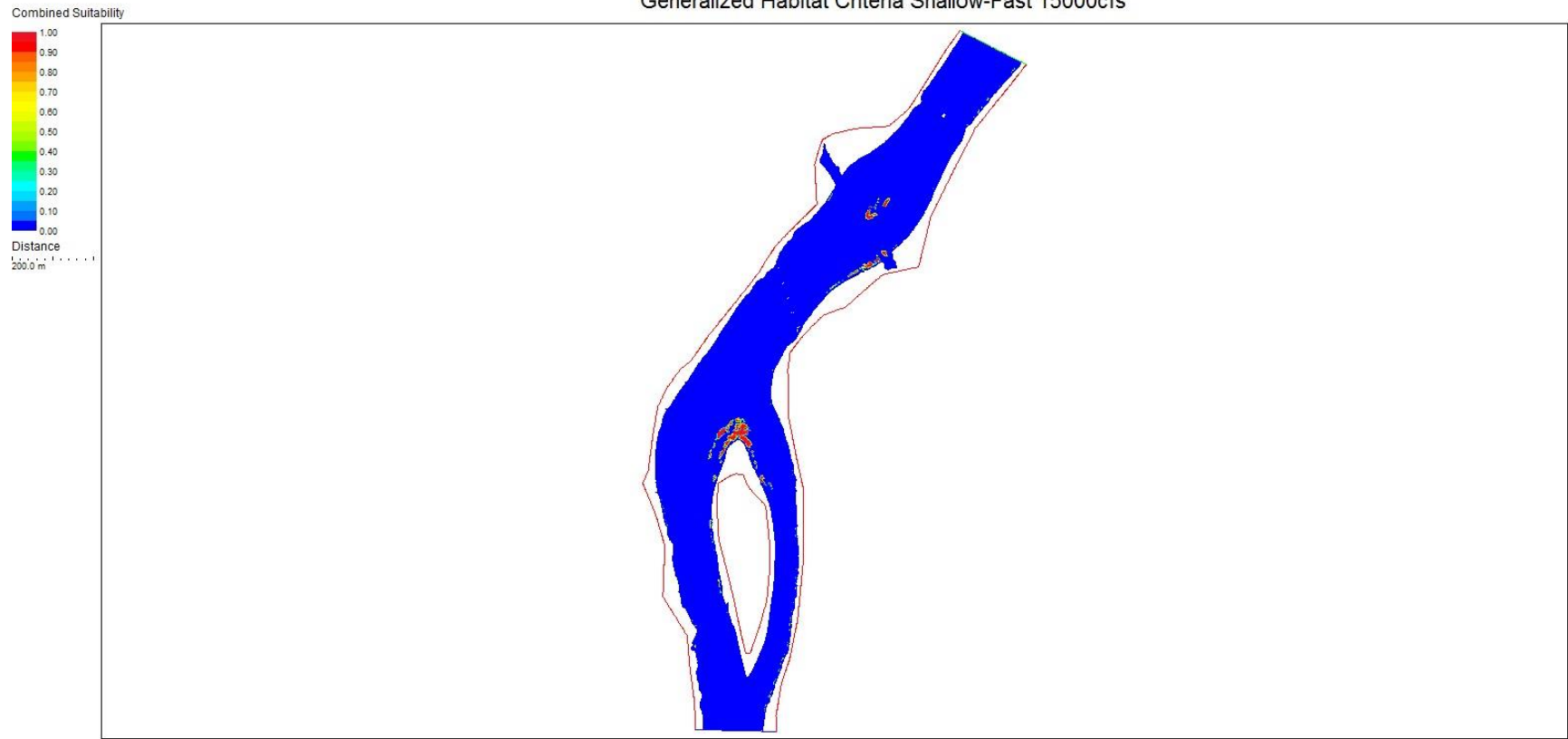
Generalized Habitat Criteria Shallow-Fast 11000cfs

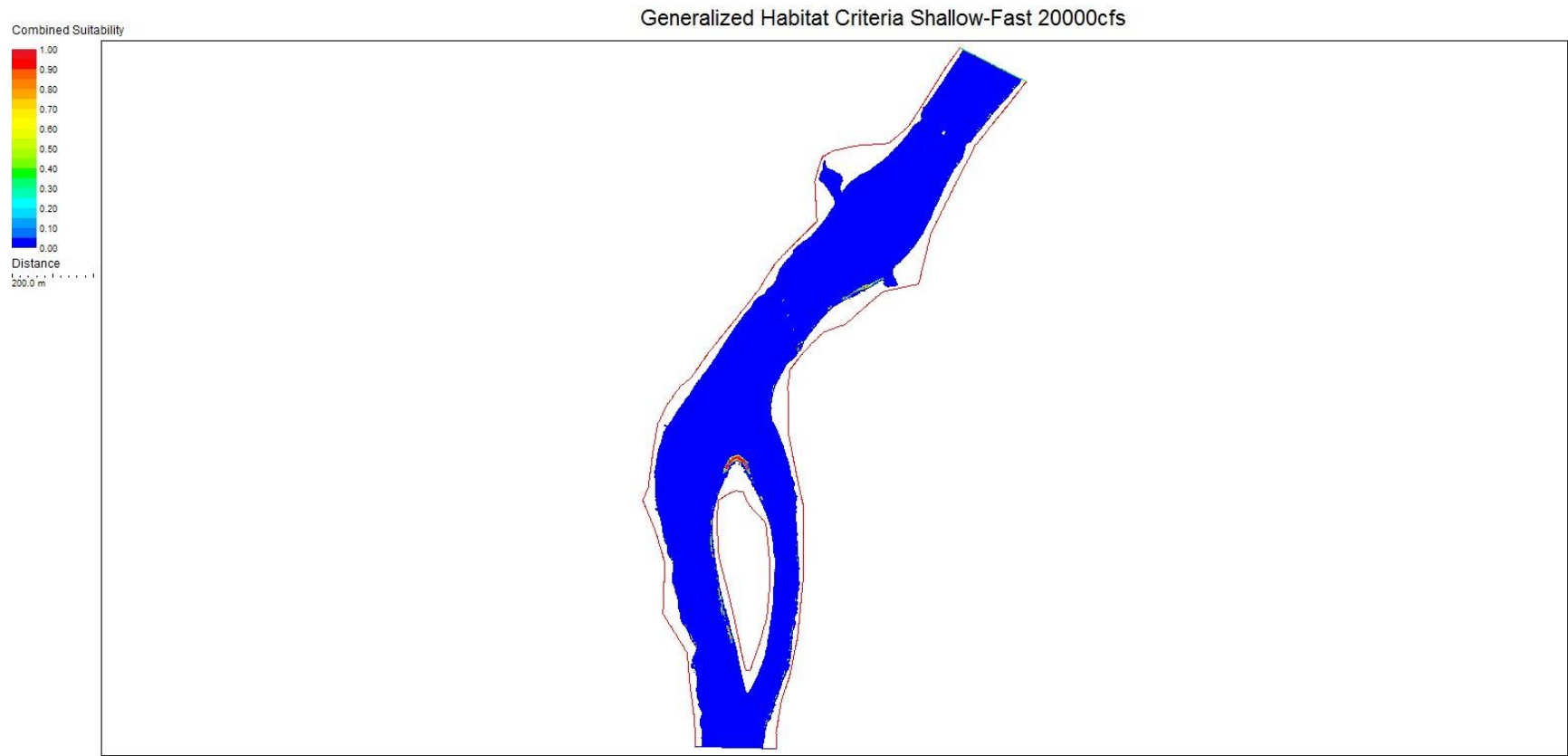


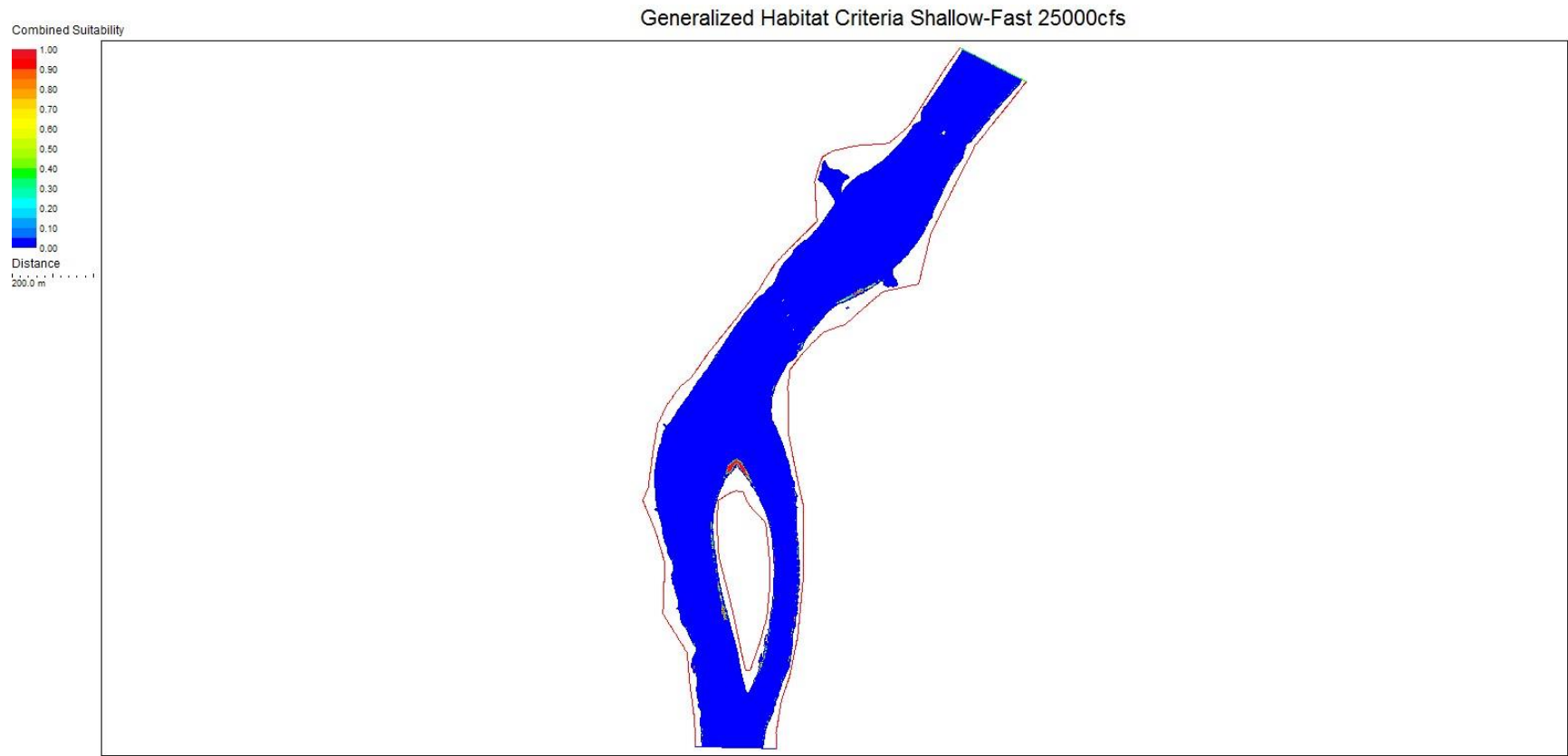
Generalized Habitat Criteria Shallow-Fast 13000cfs



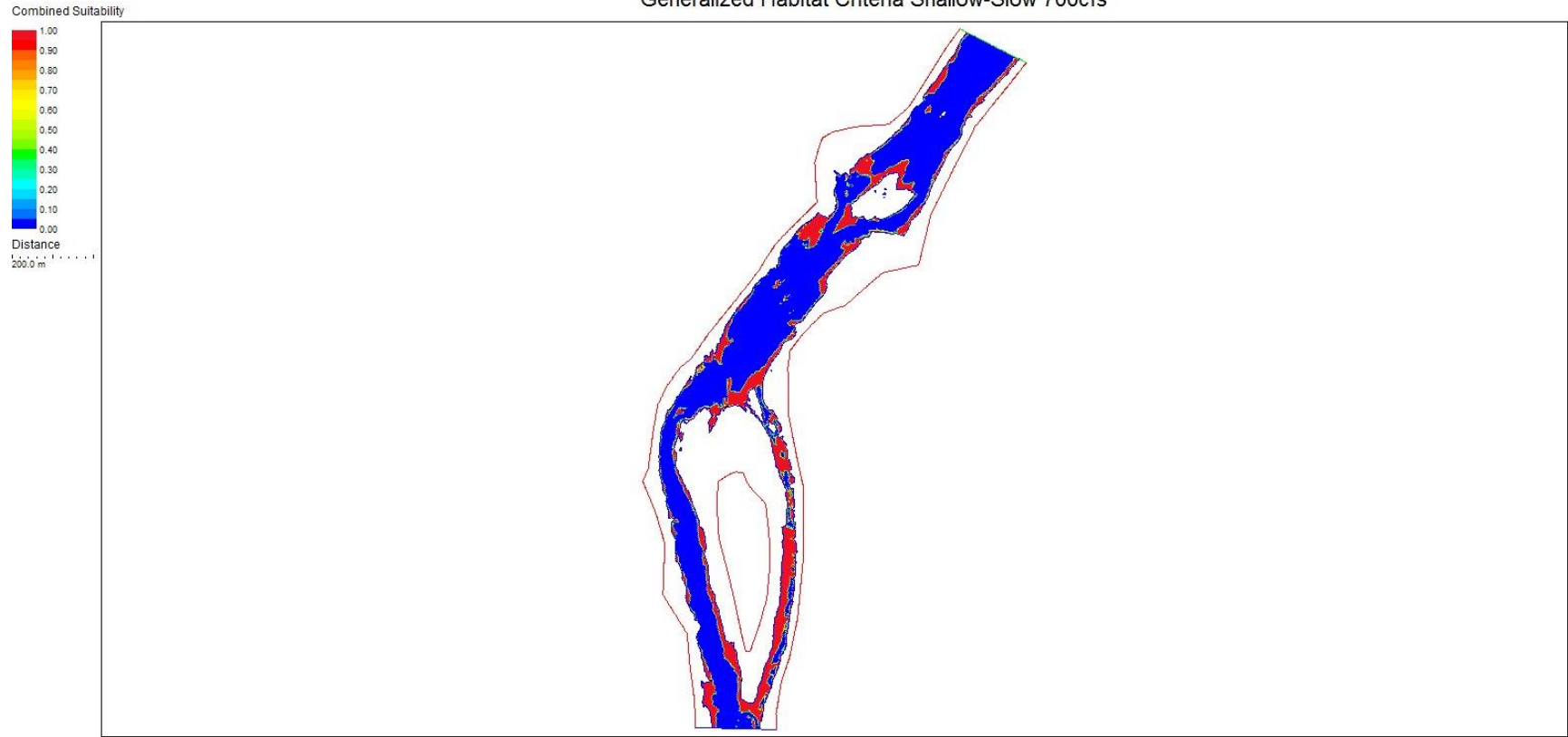
Generalized Habitat Criteria Shallow-Fast 15000cfs



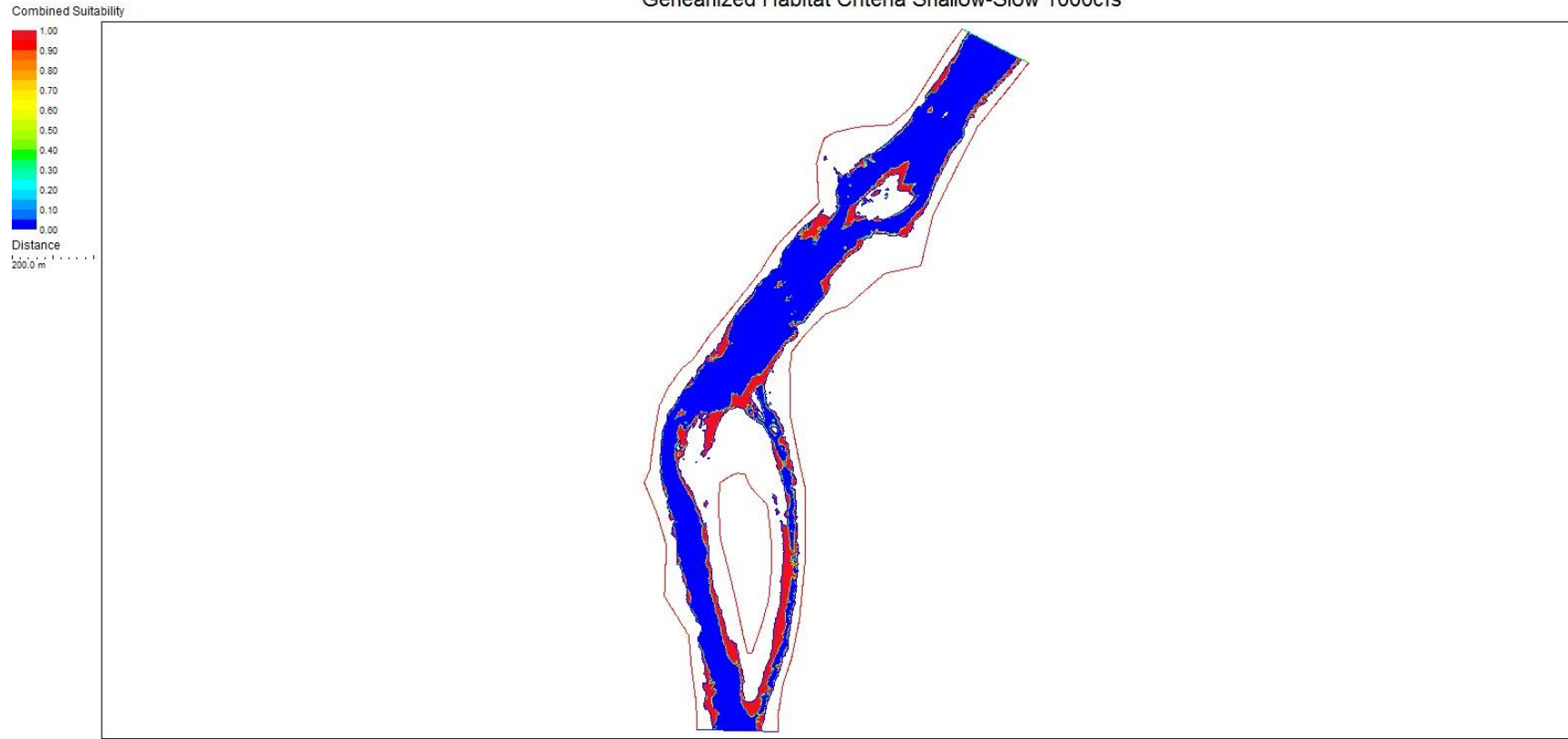




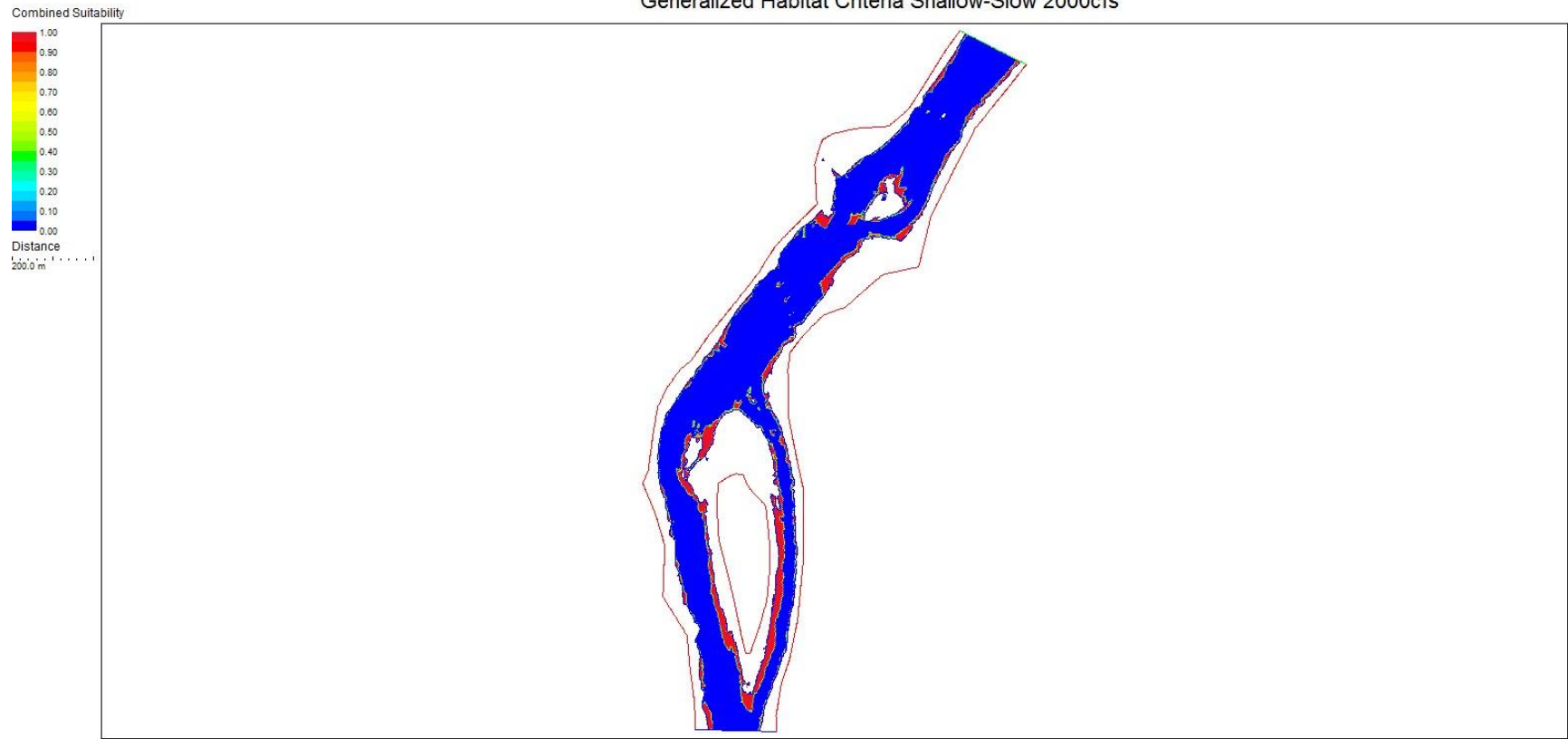
Generalized Habitat Criteria Shallow-Slow 700cfs



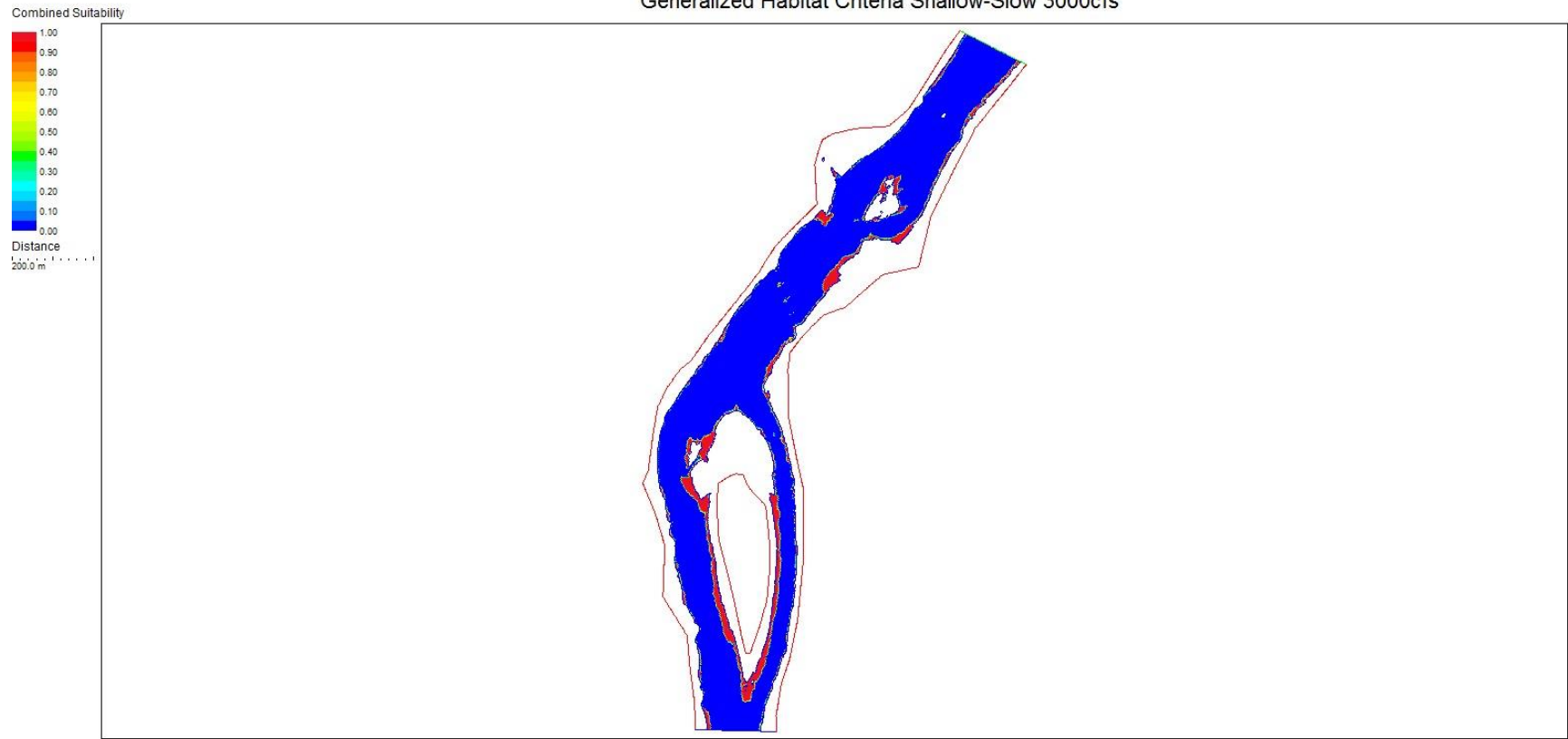
Generalized Habitat Criteria Shallow-Slow 1000cfs



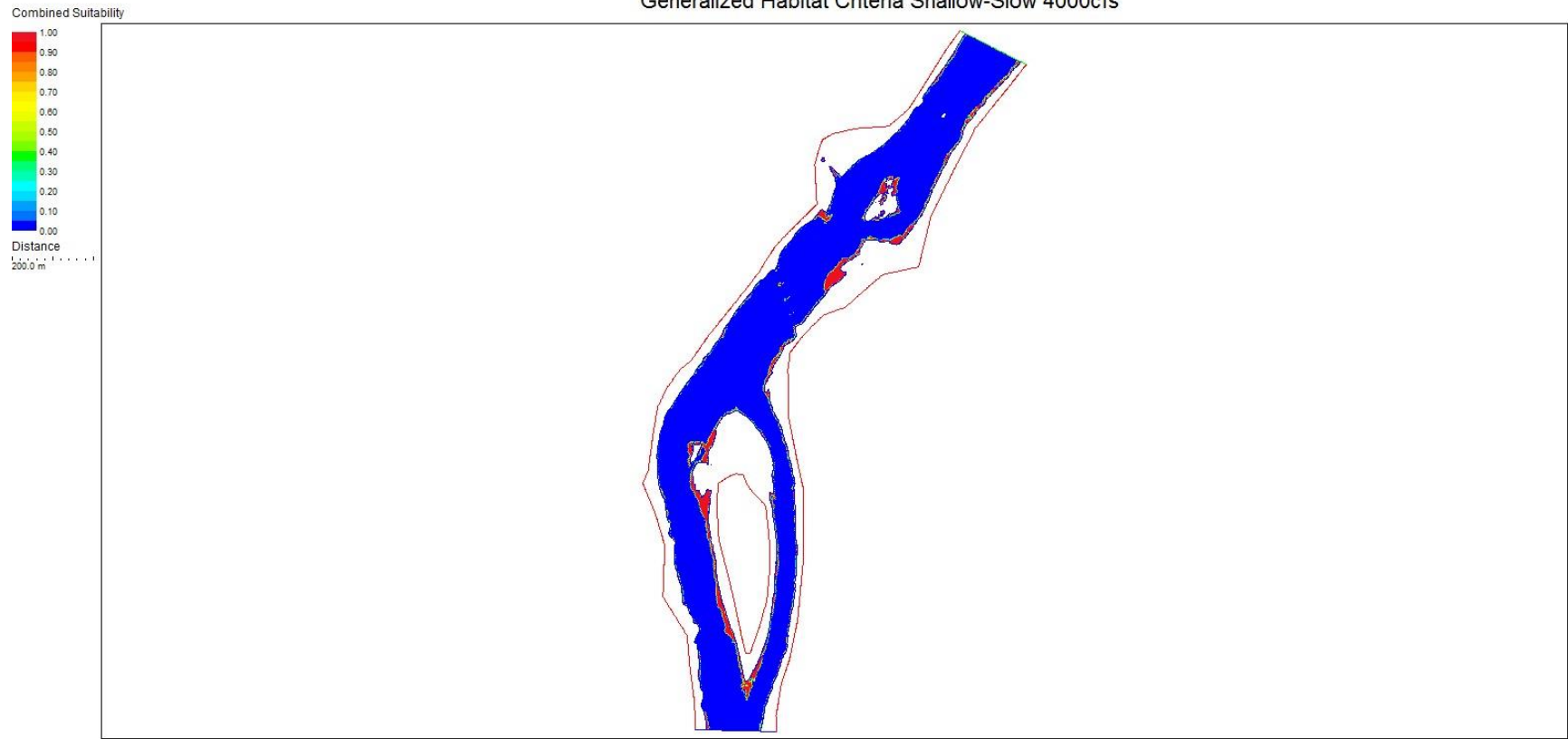
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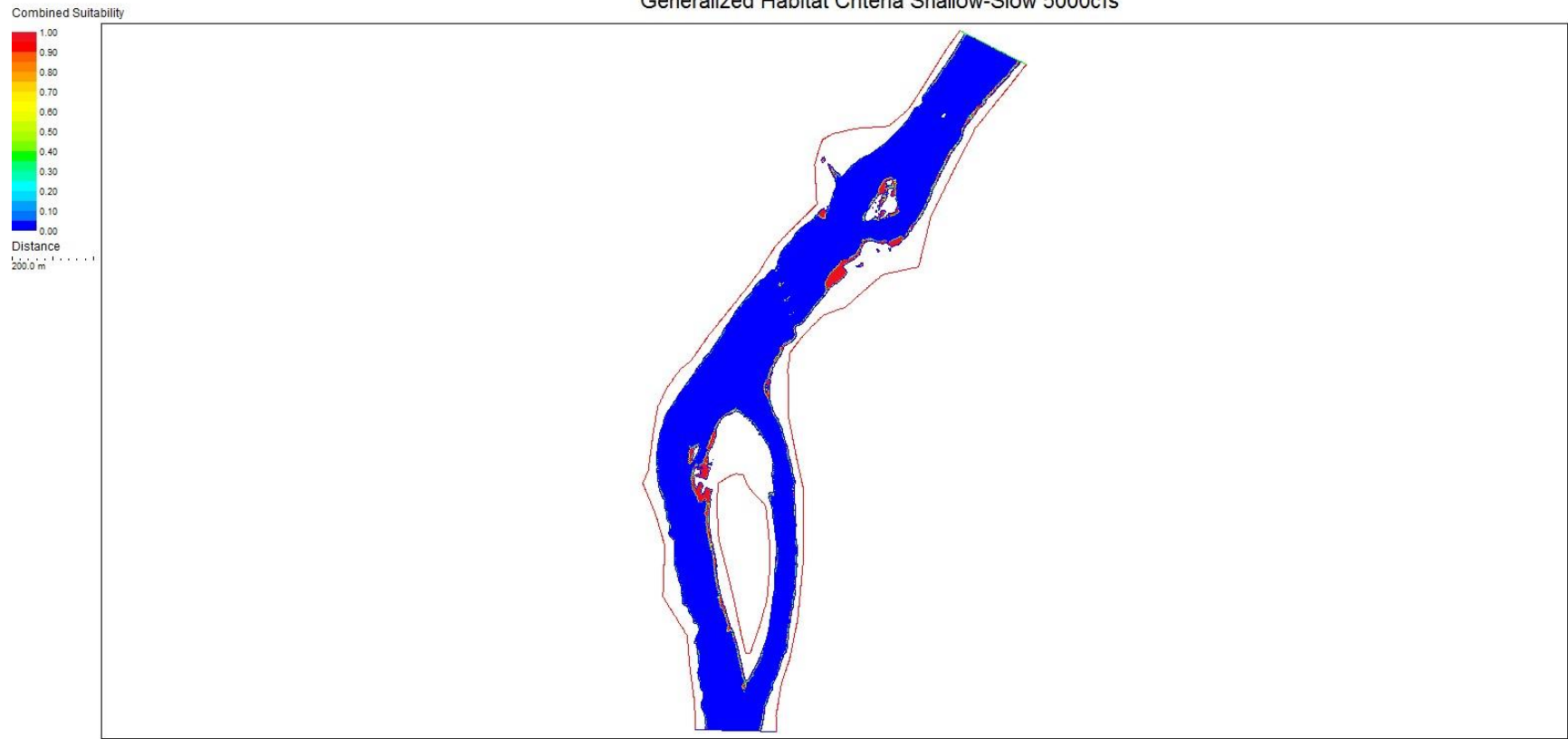
Generalized Habitat Criteria Shallow-Slow 3000cfs



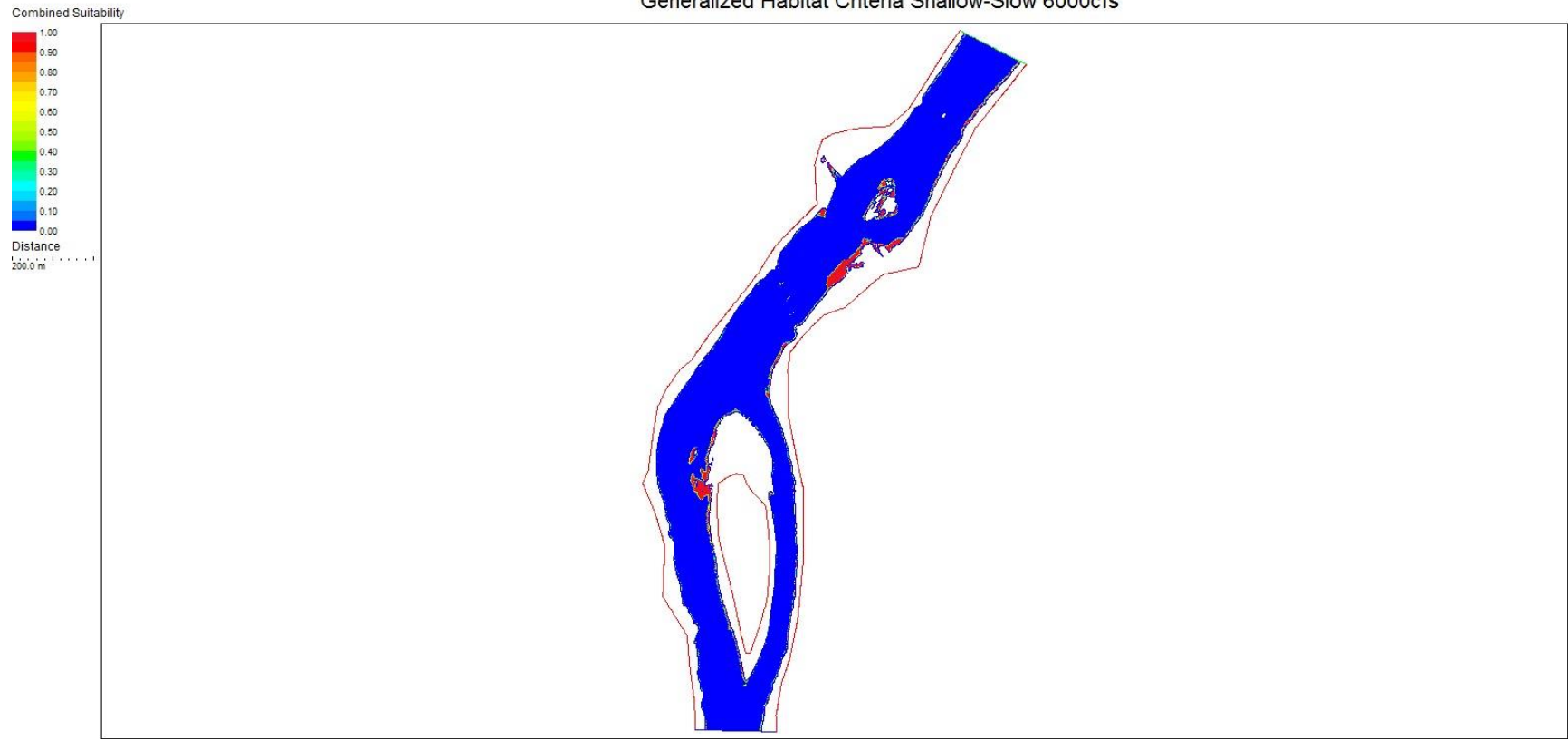
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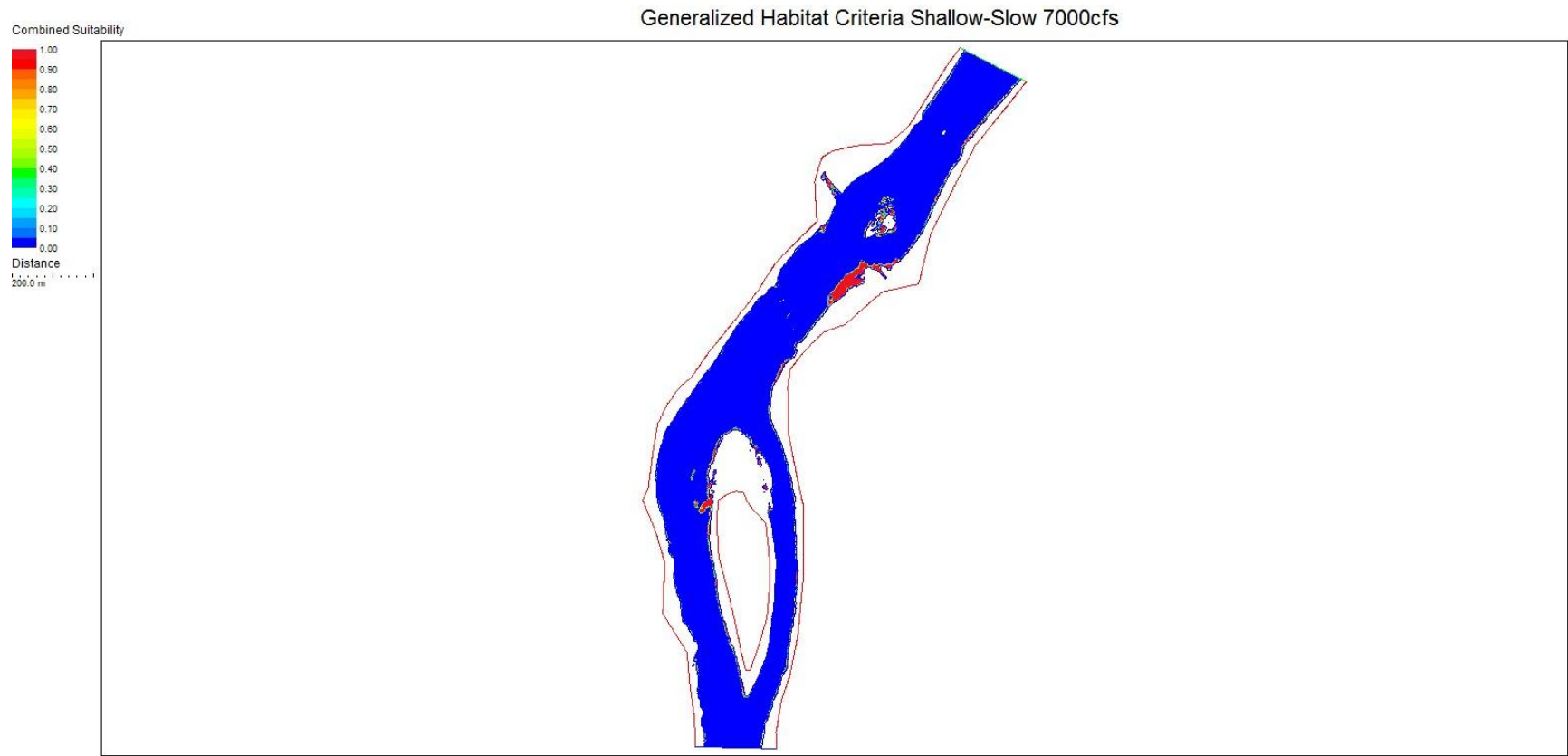


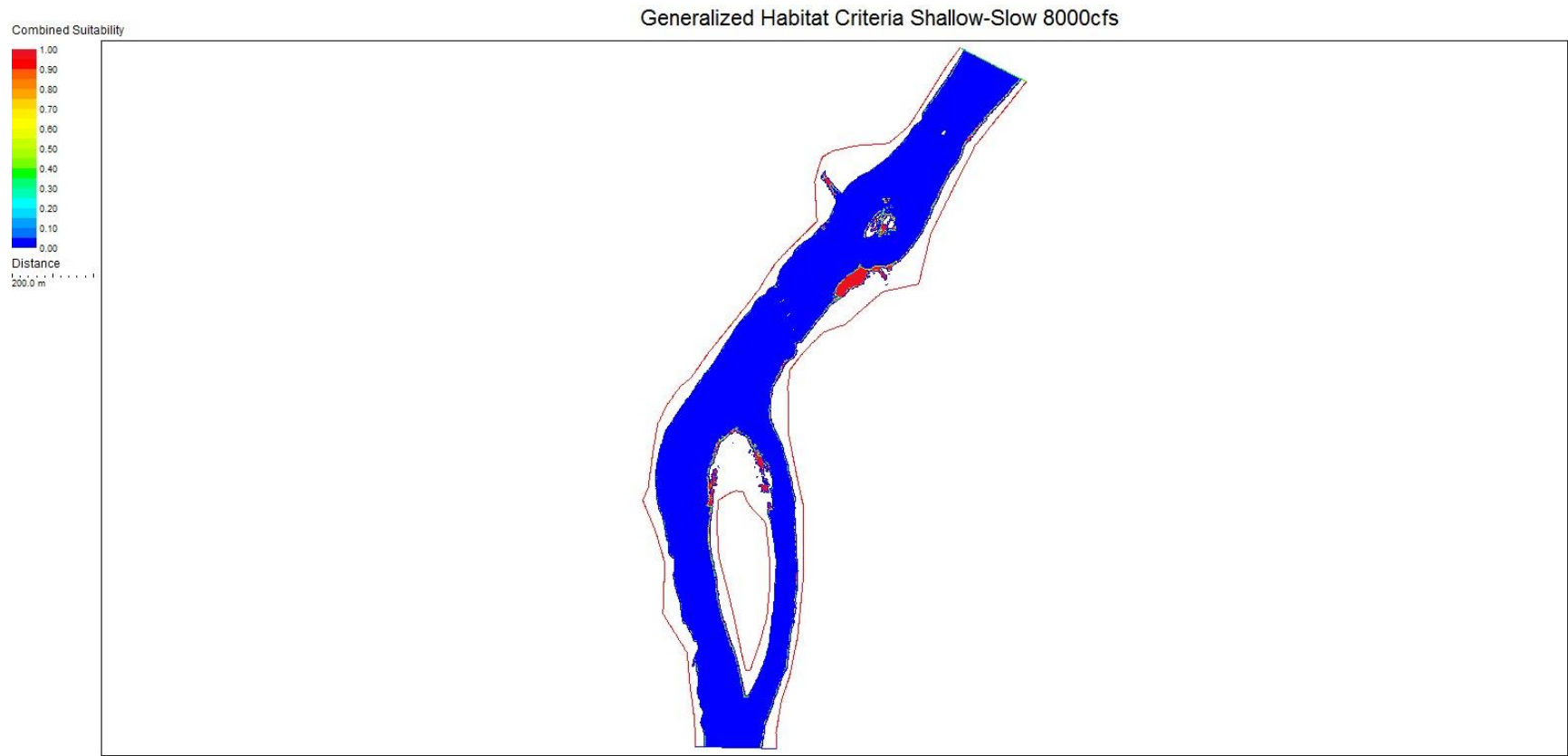
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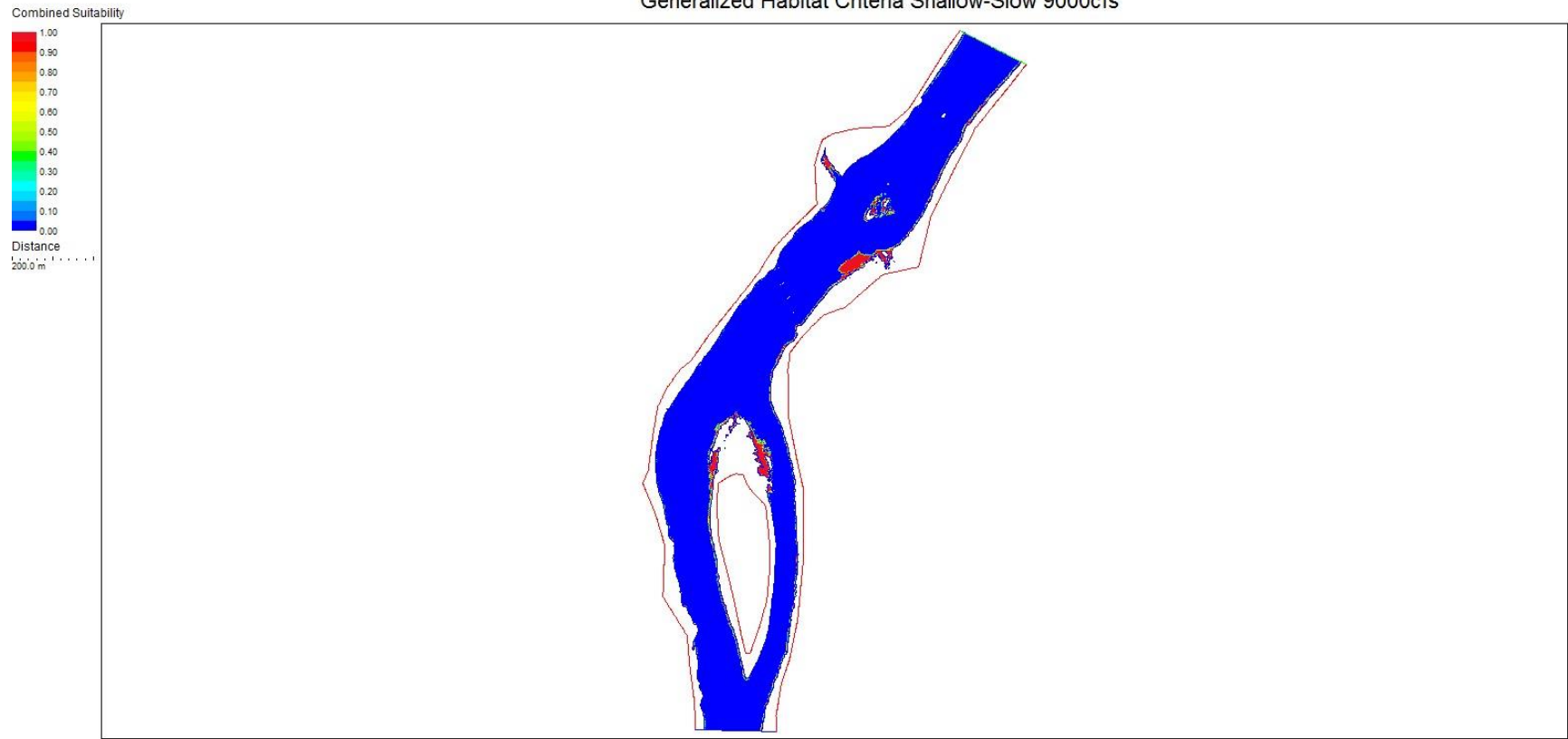
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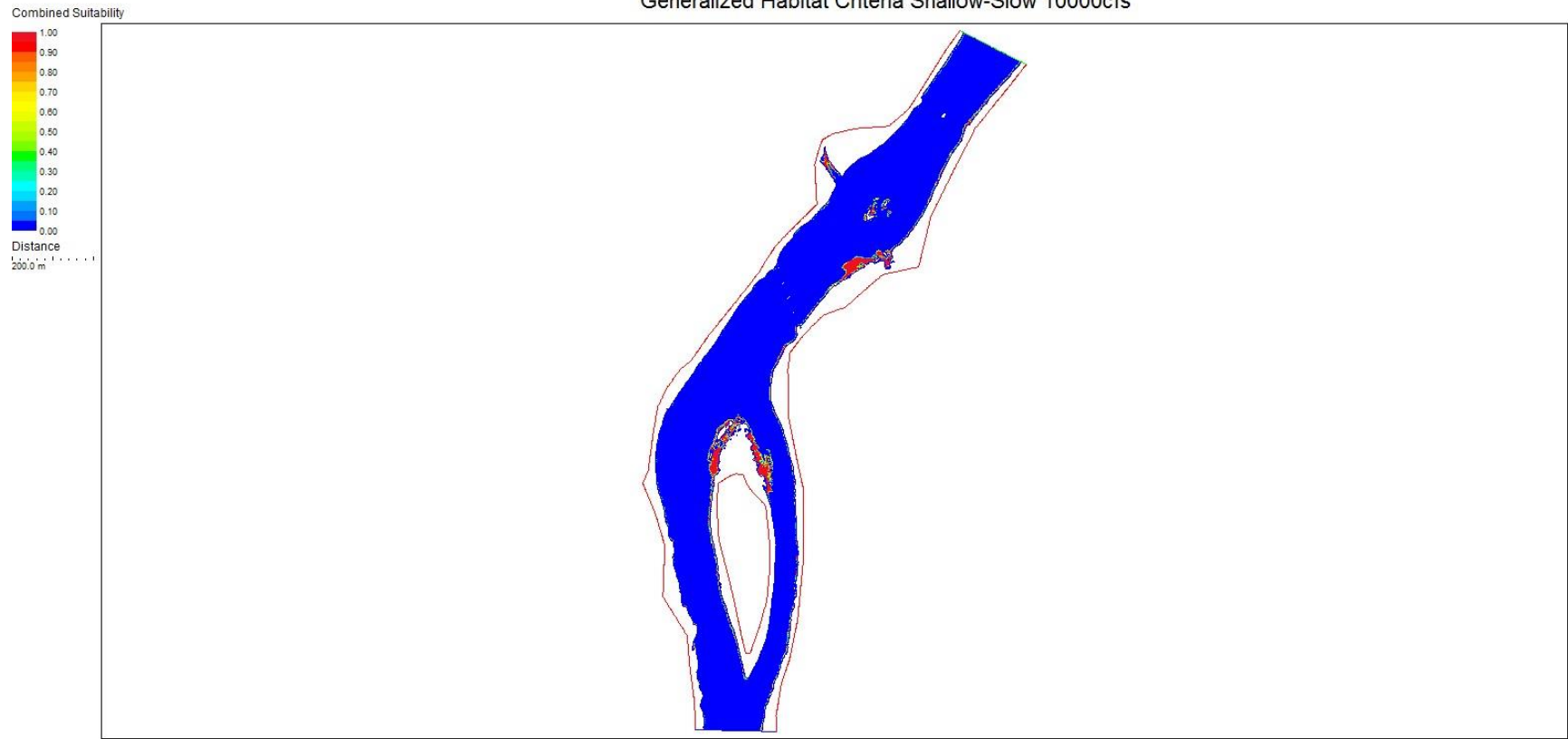


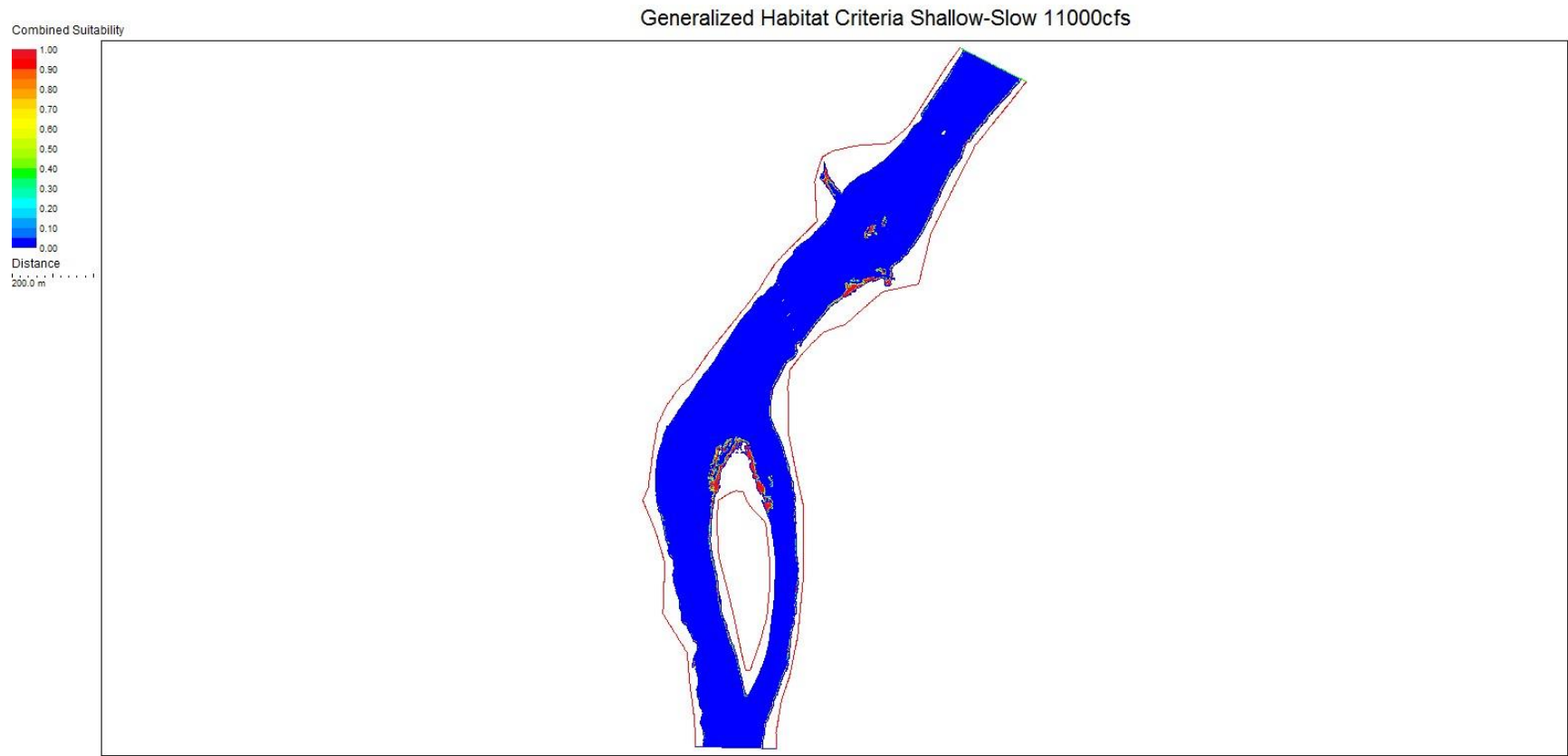


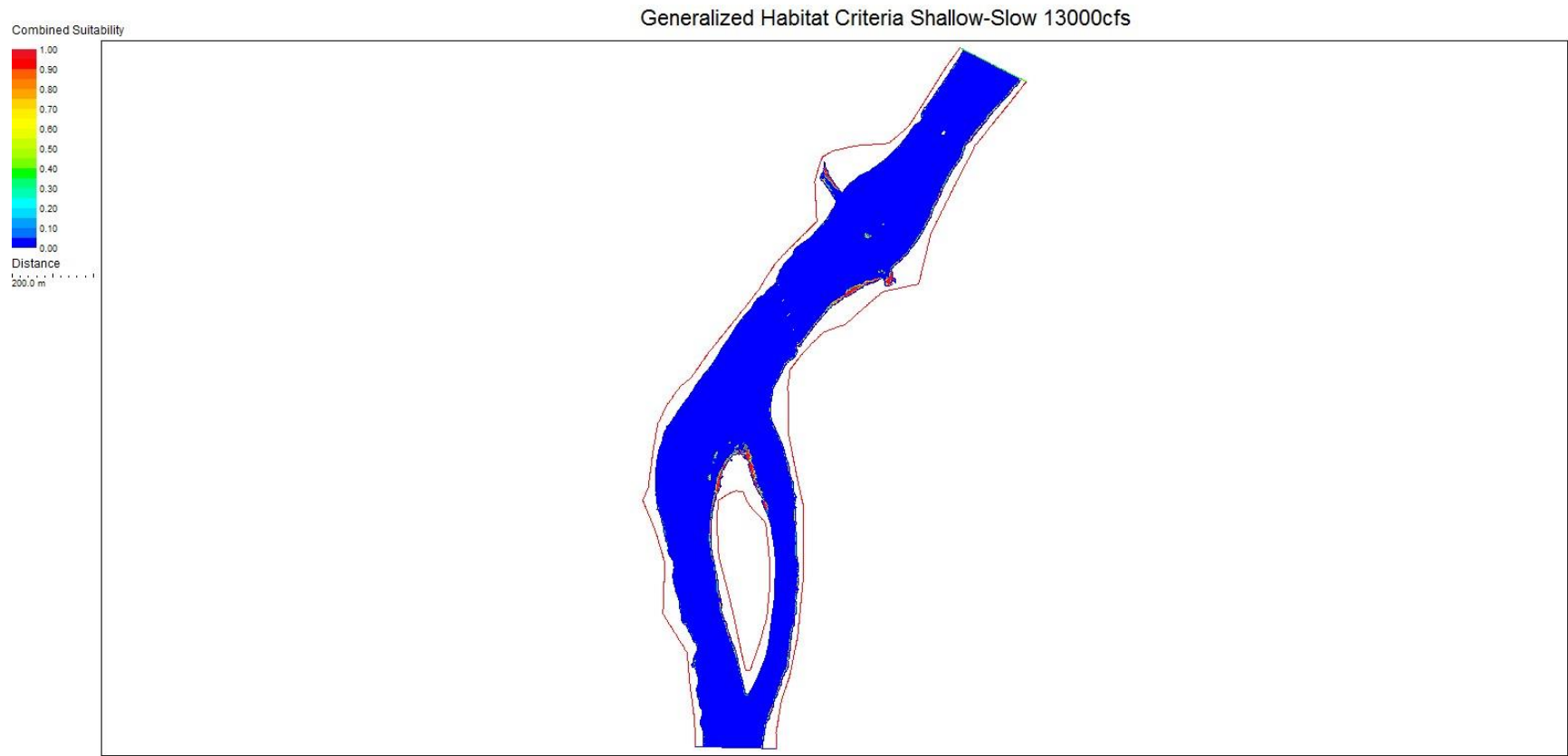
Generalized Habitat Criteria Shallow-Slow 9000cfs

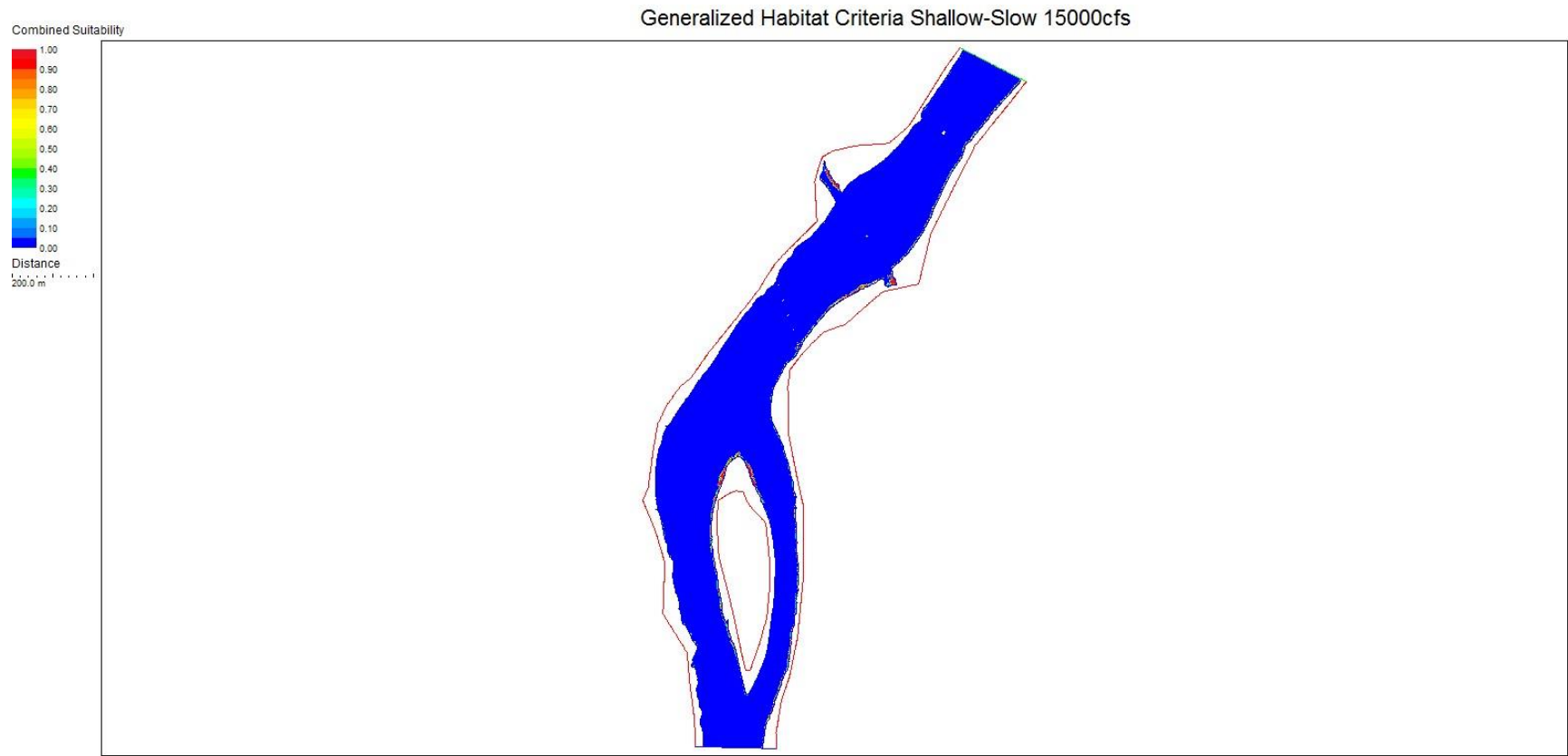


Generalized Habitat Criteria Shallow-Slow 10000cfs

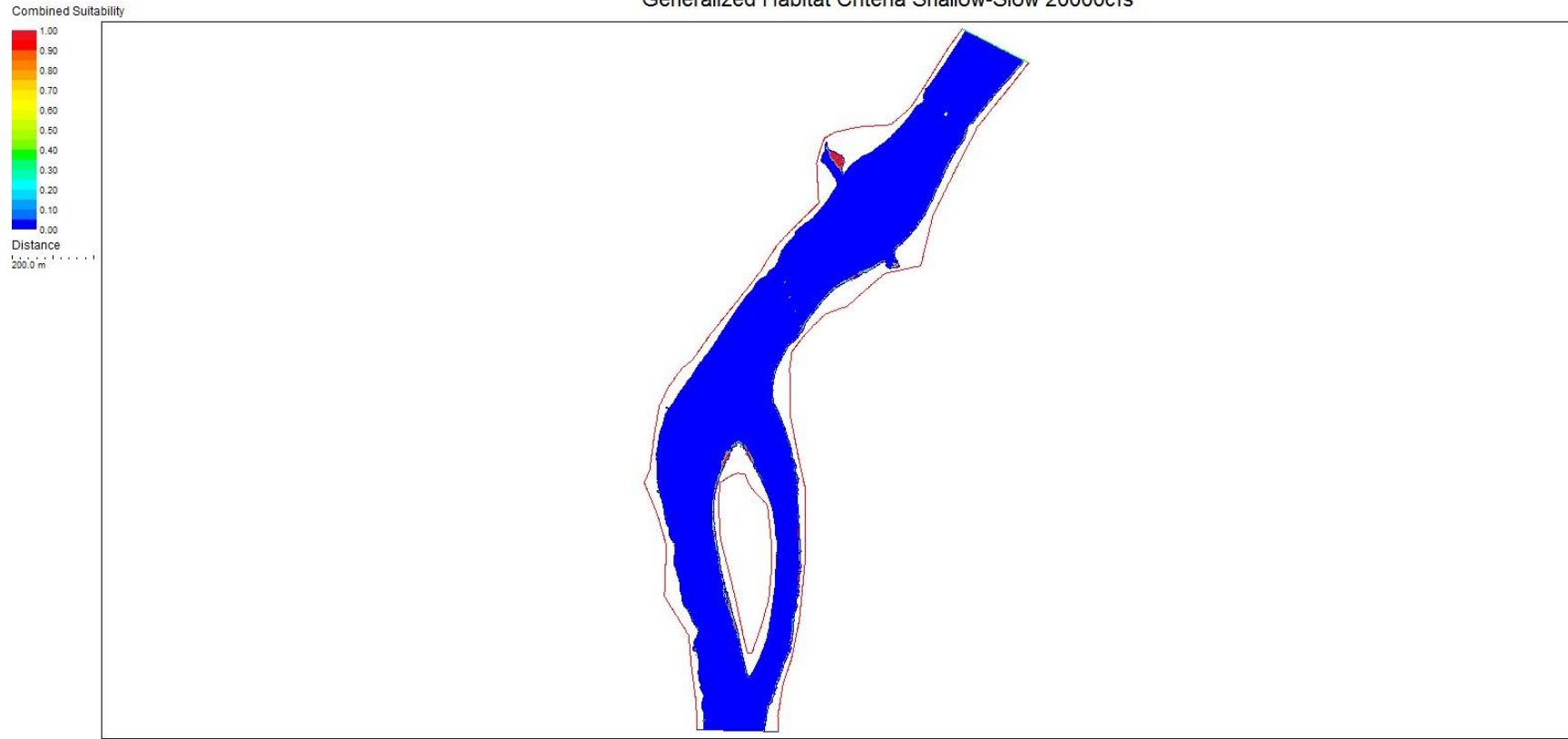


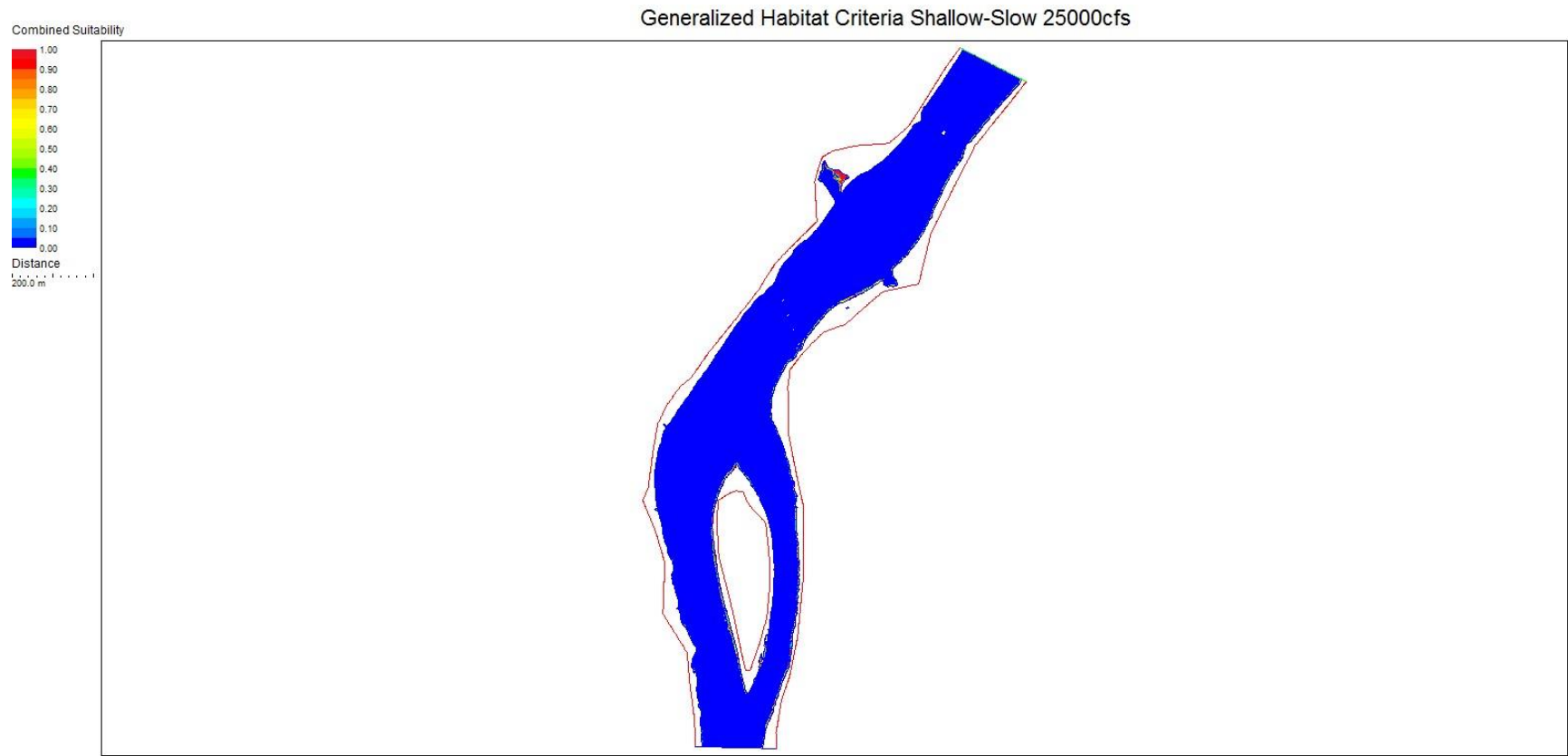




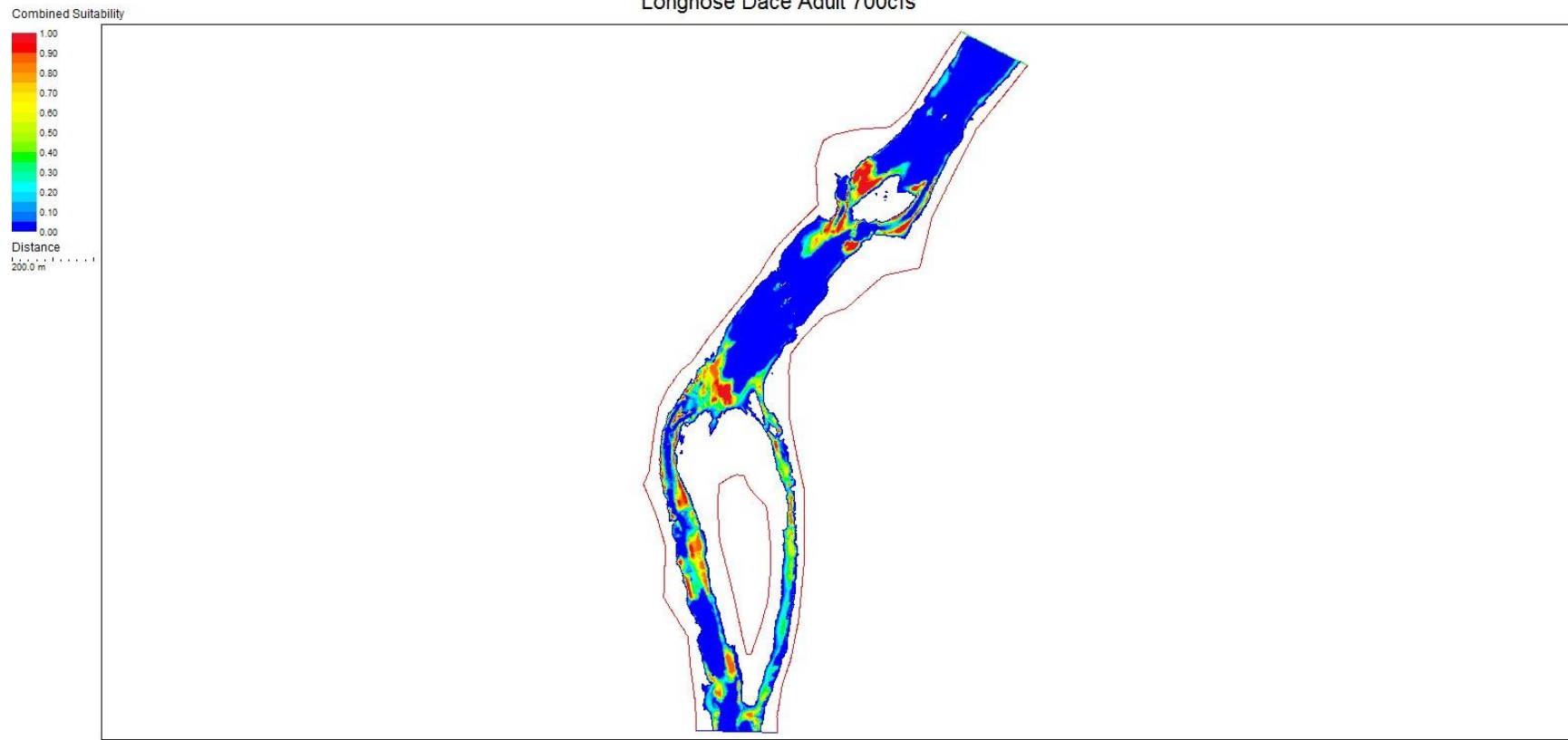


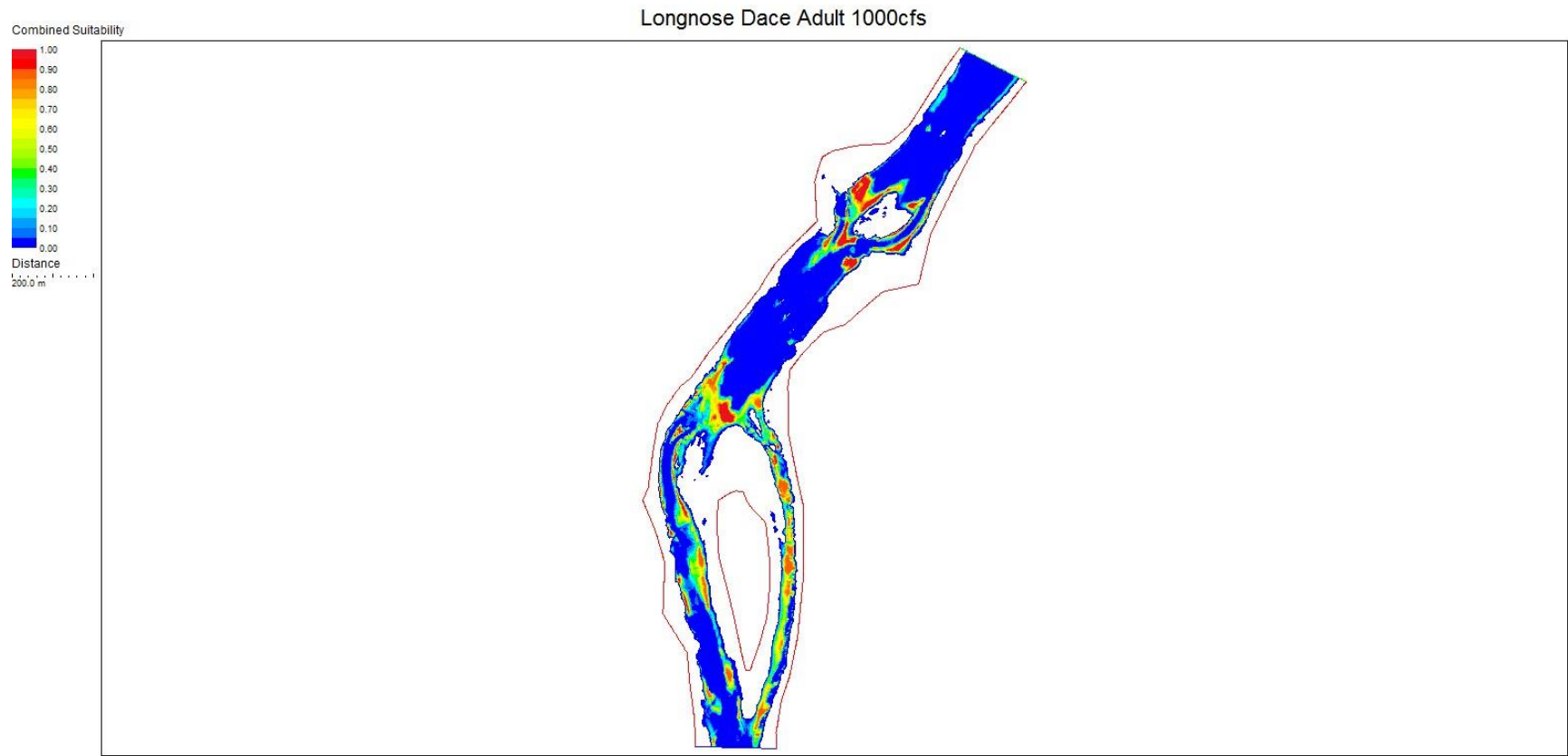
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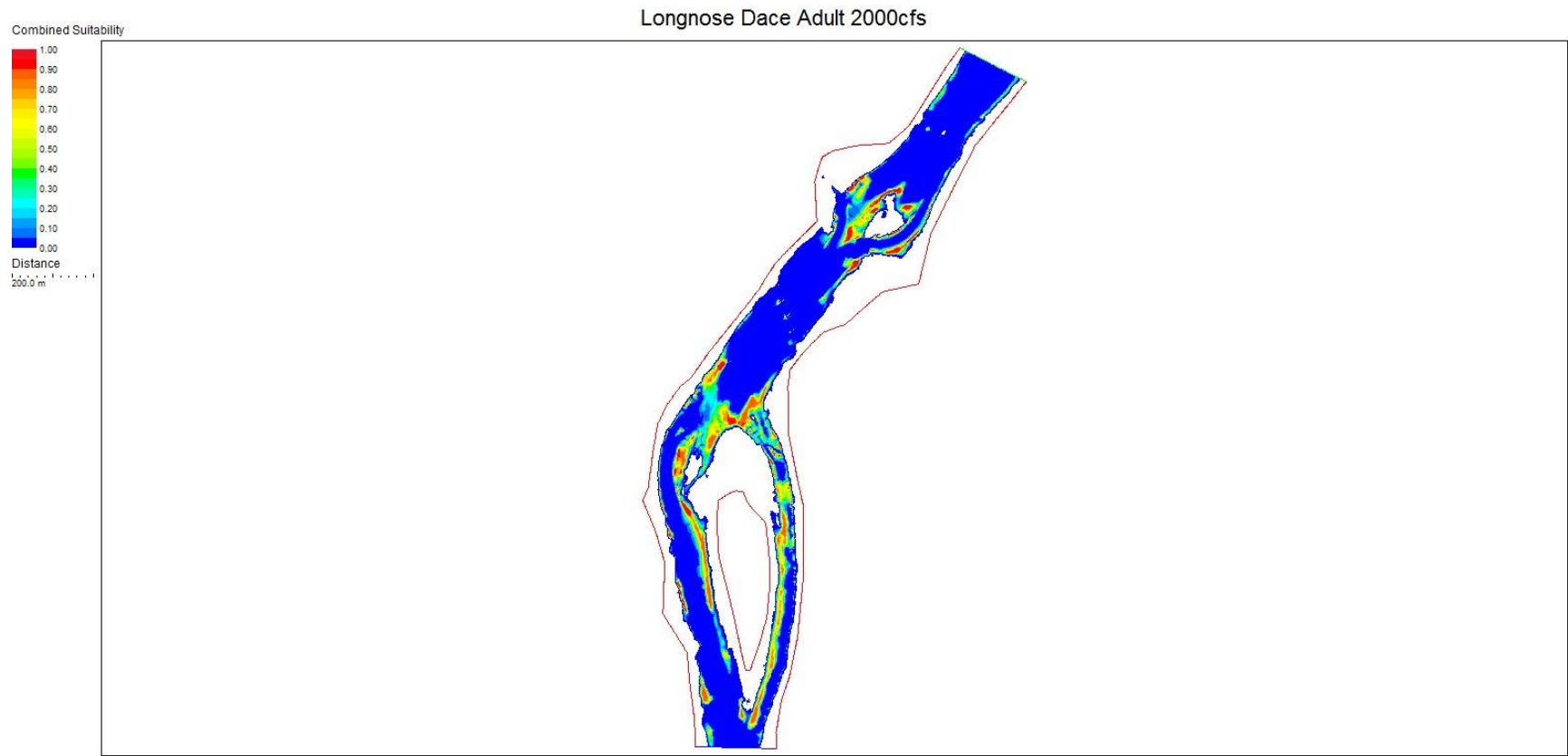


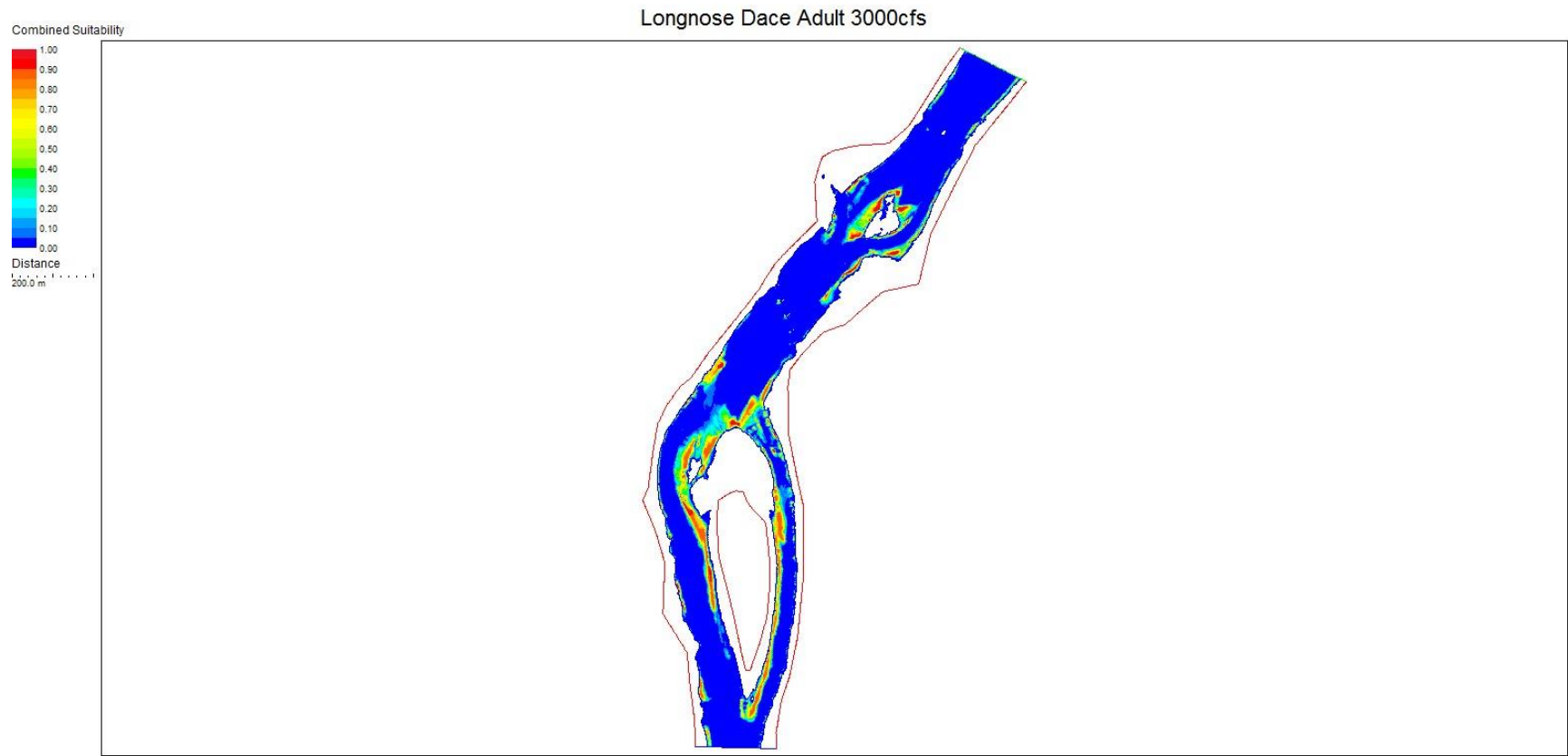


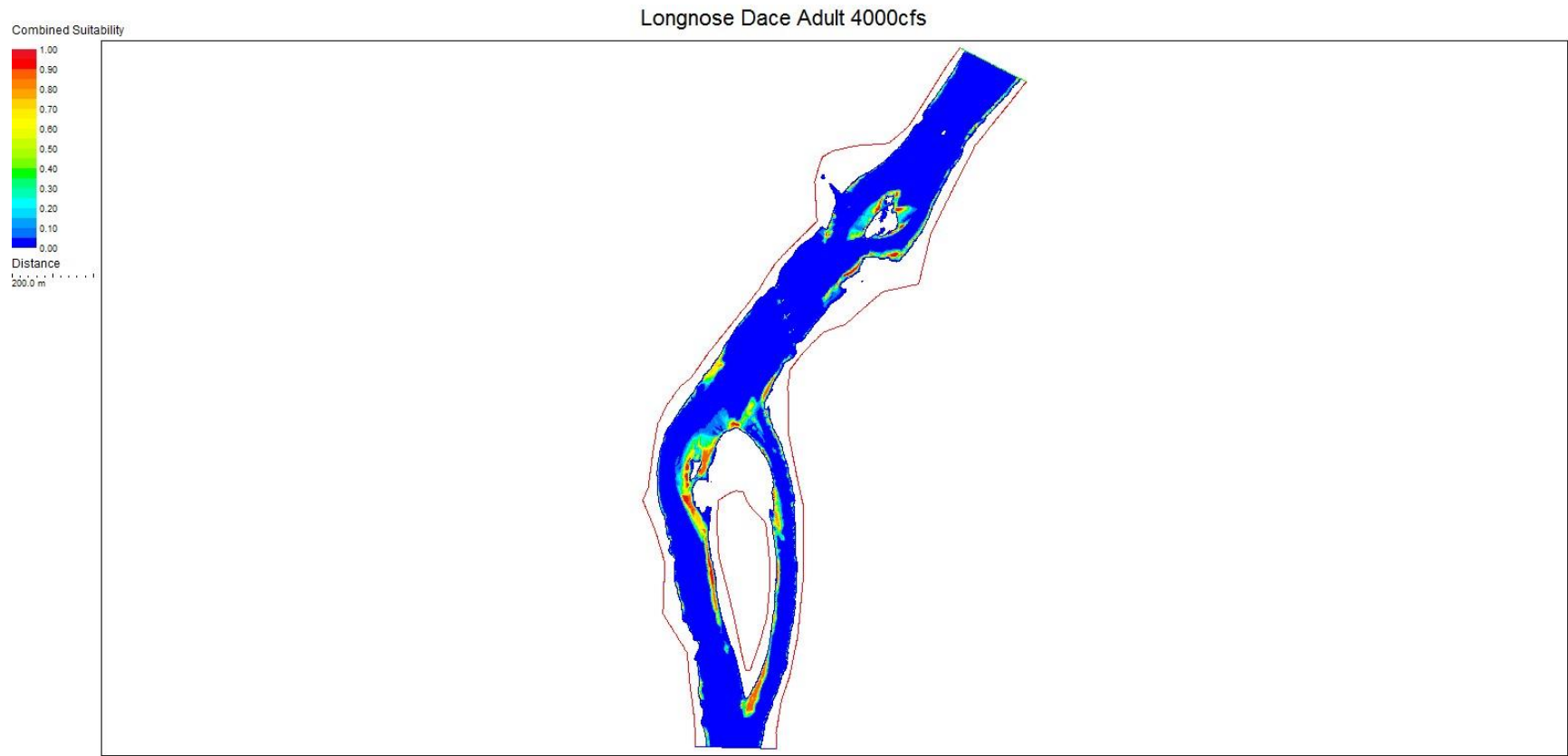
Longnose Dace Adult 700cfs

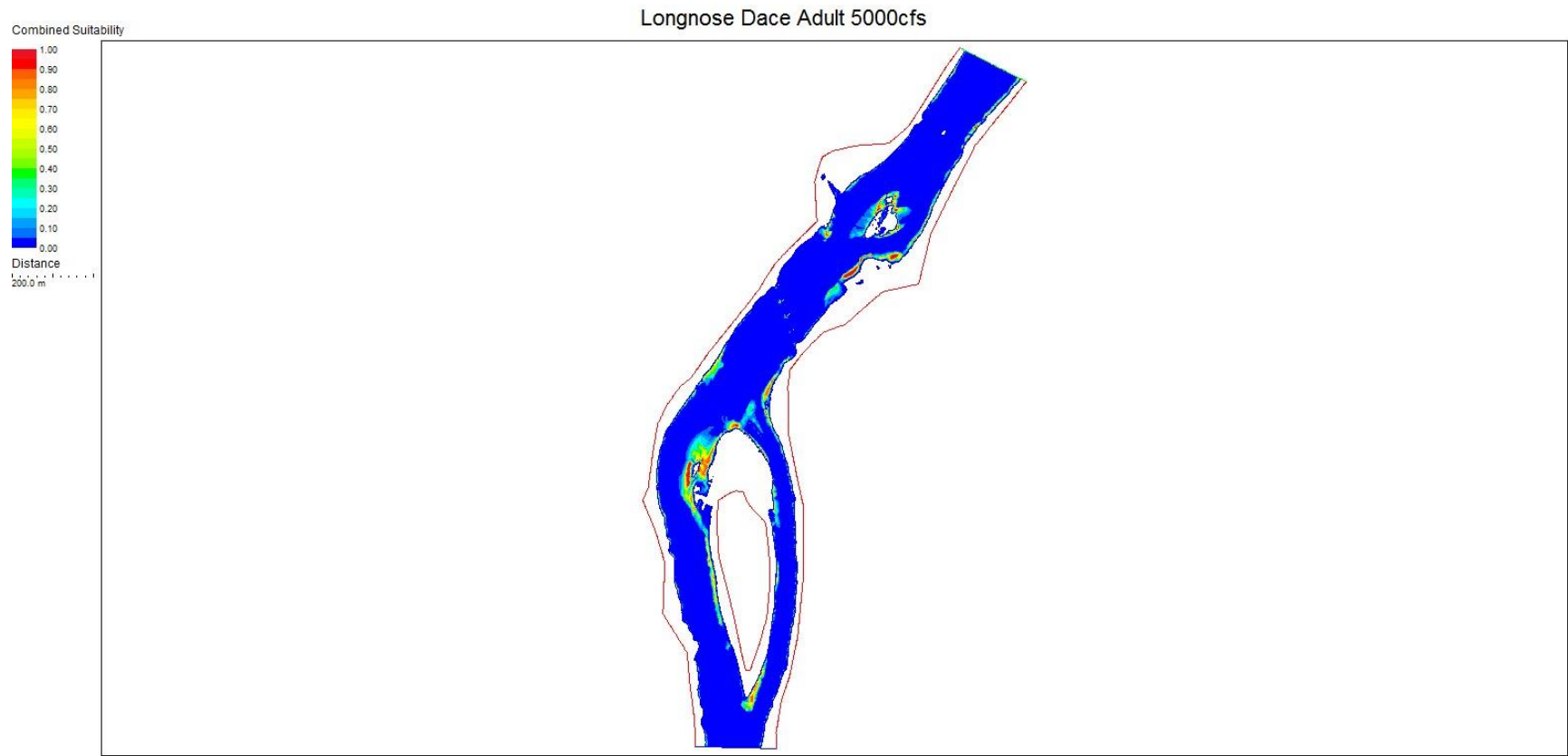


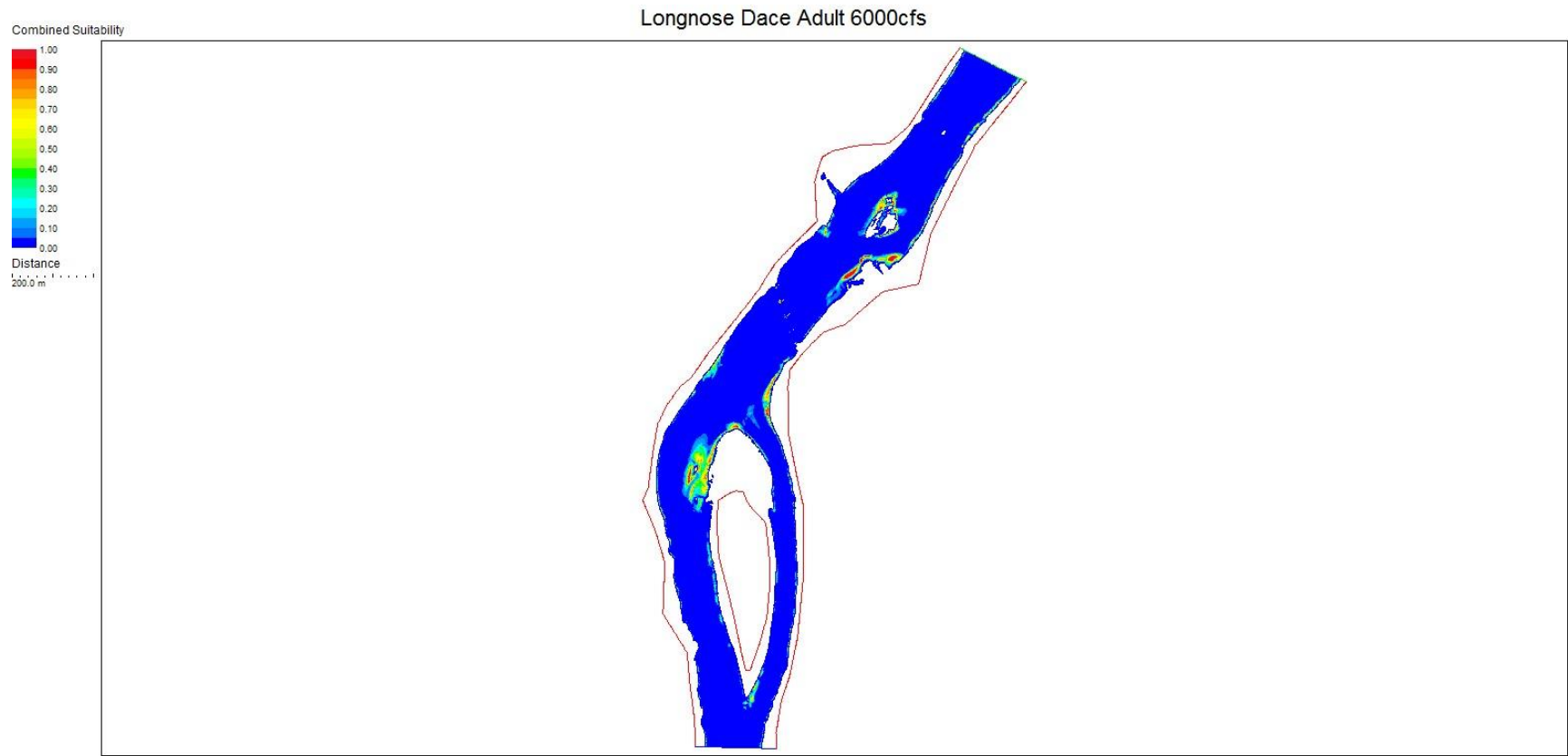


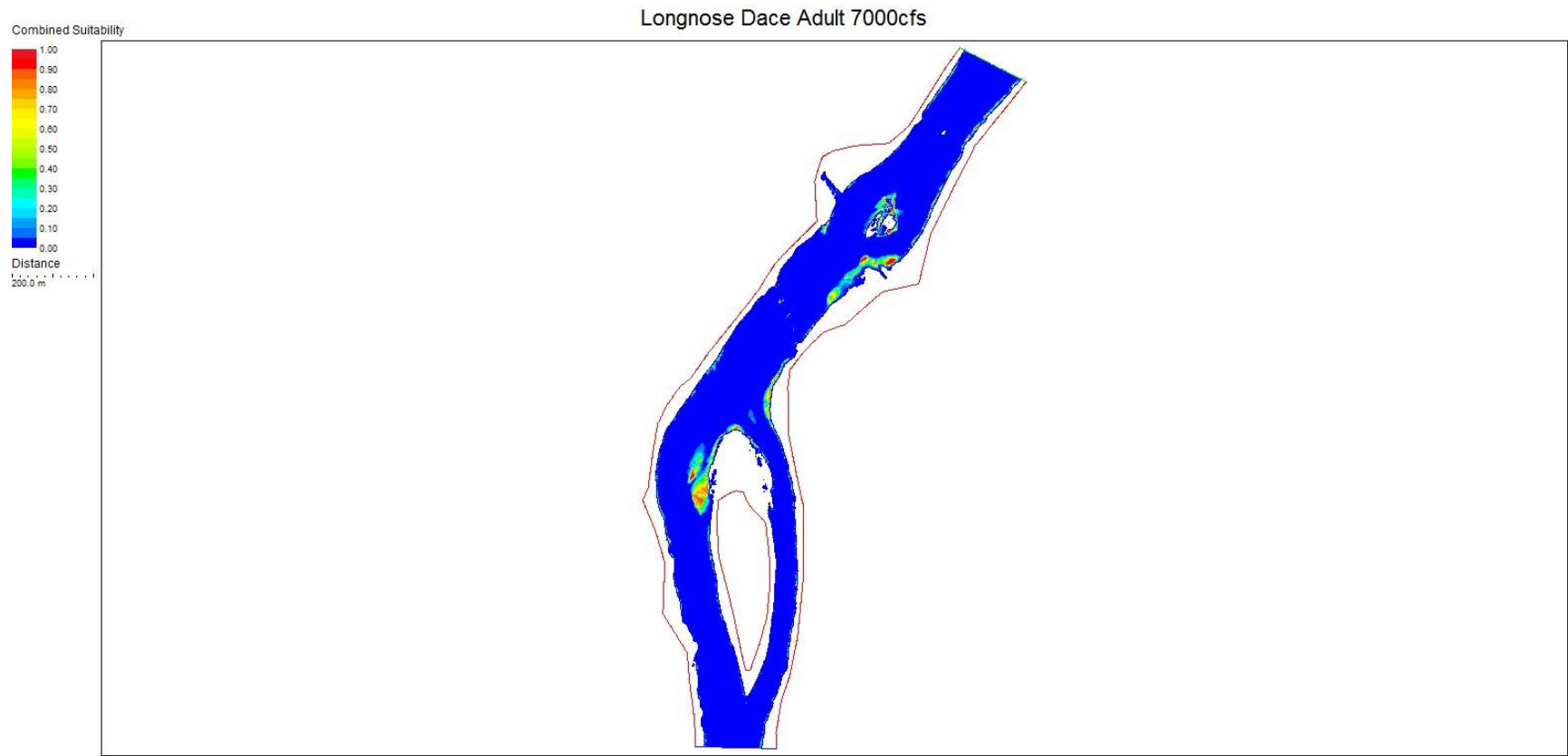


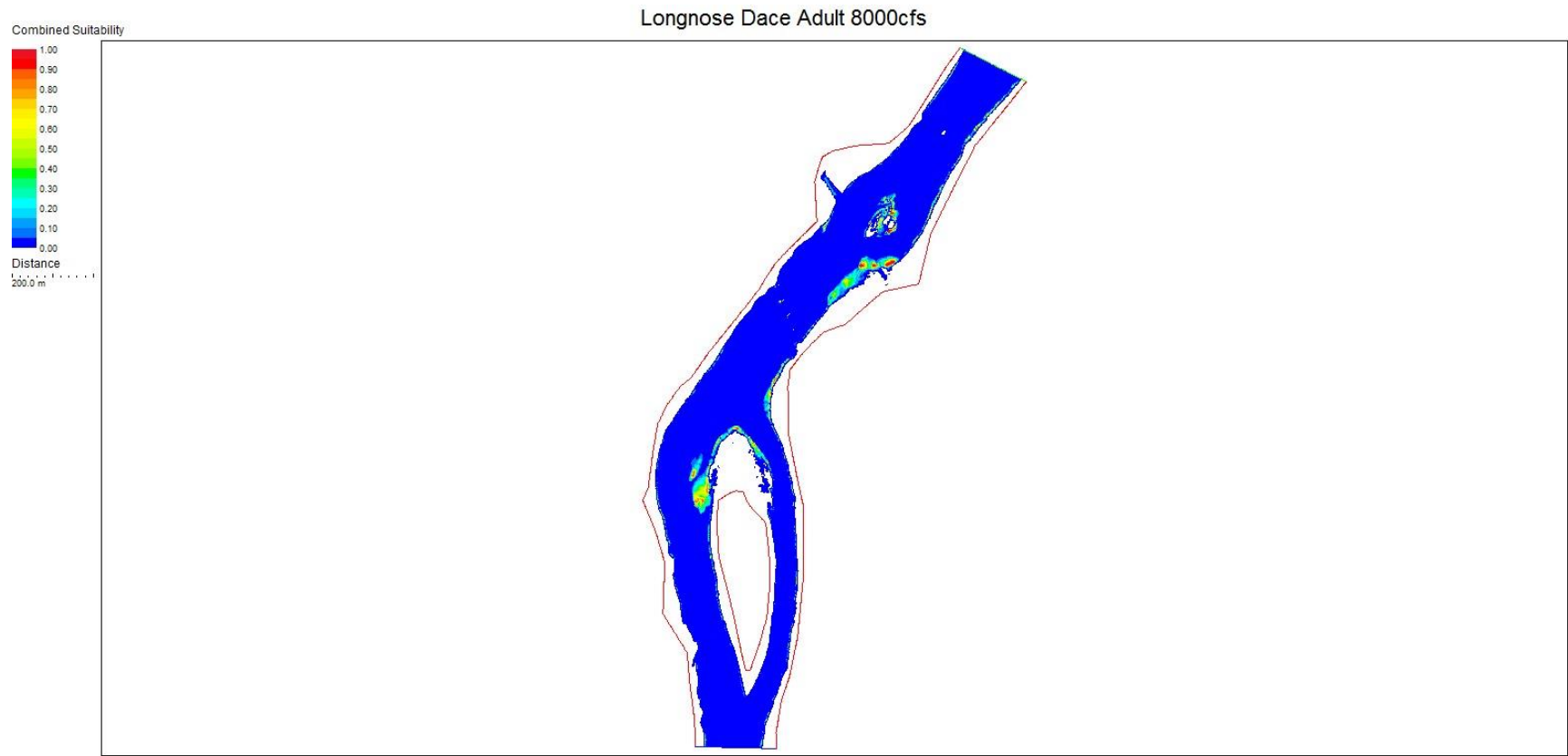


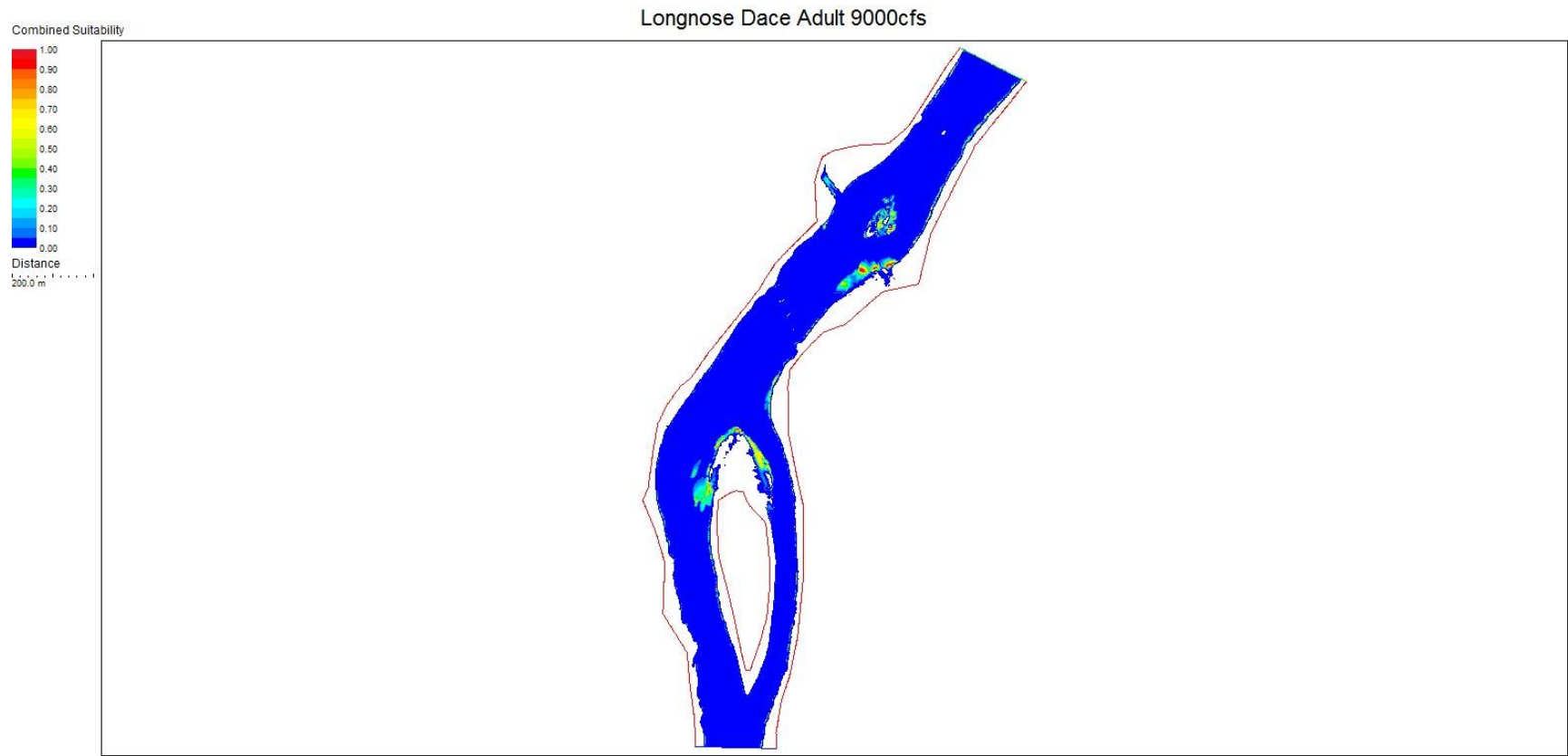


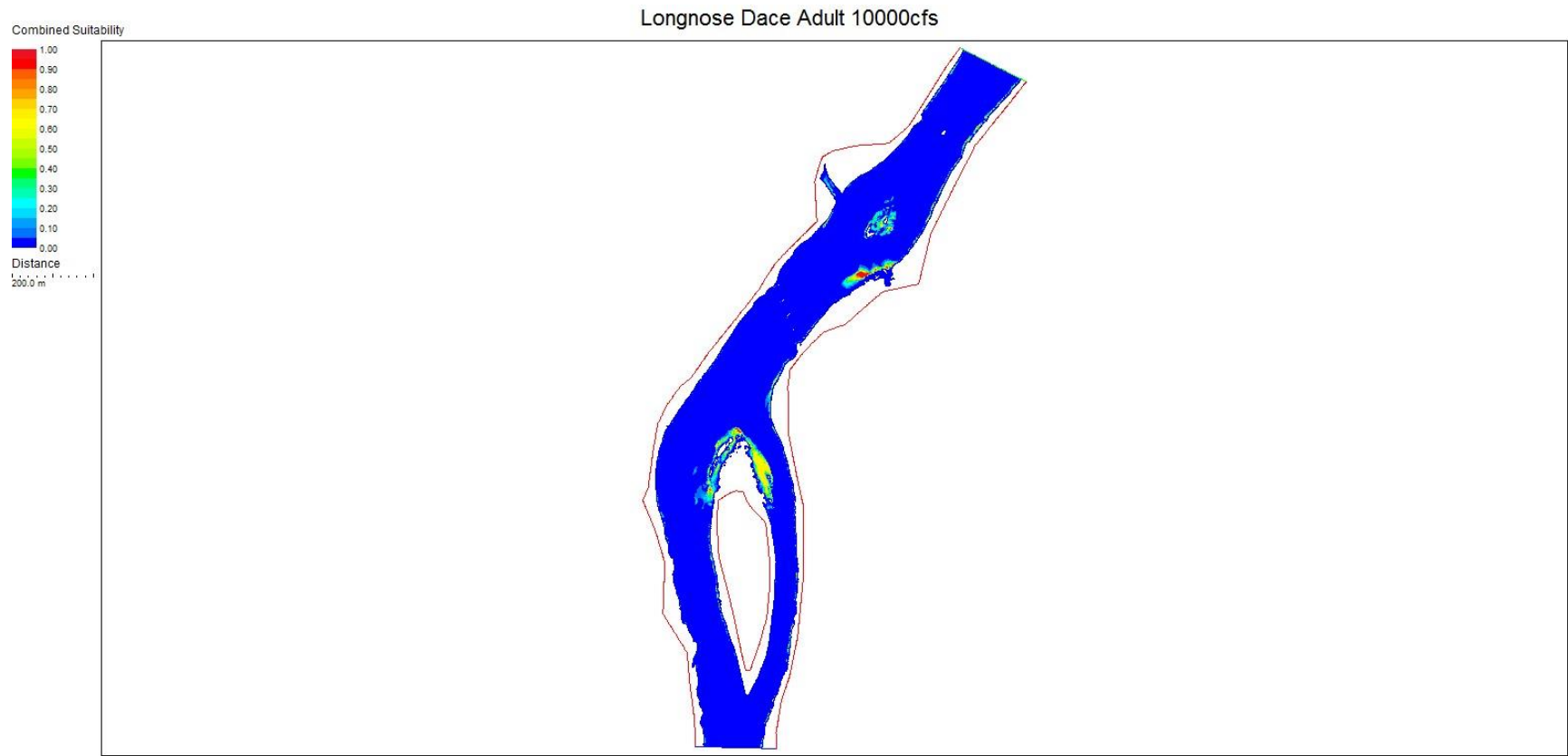


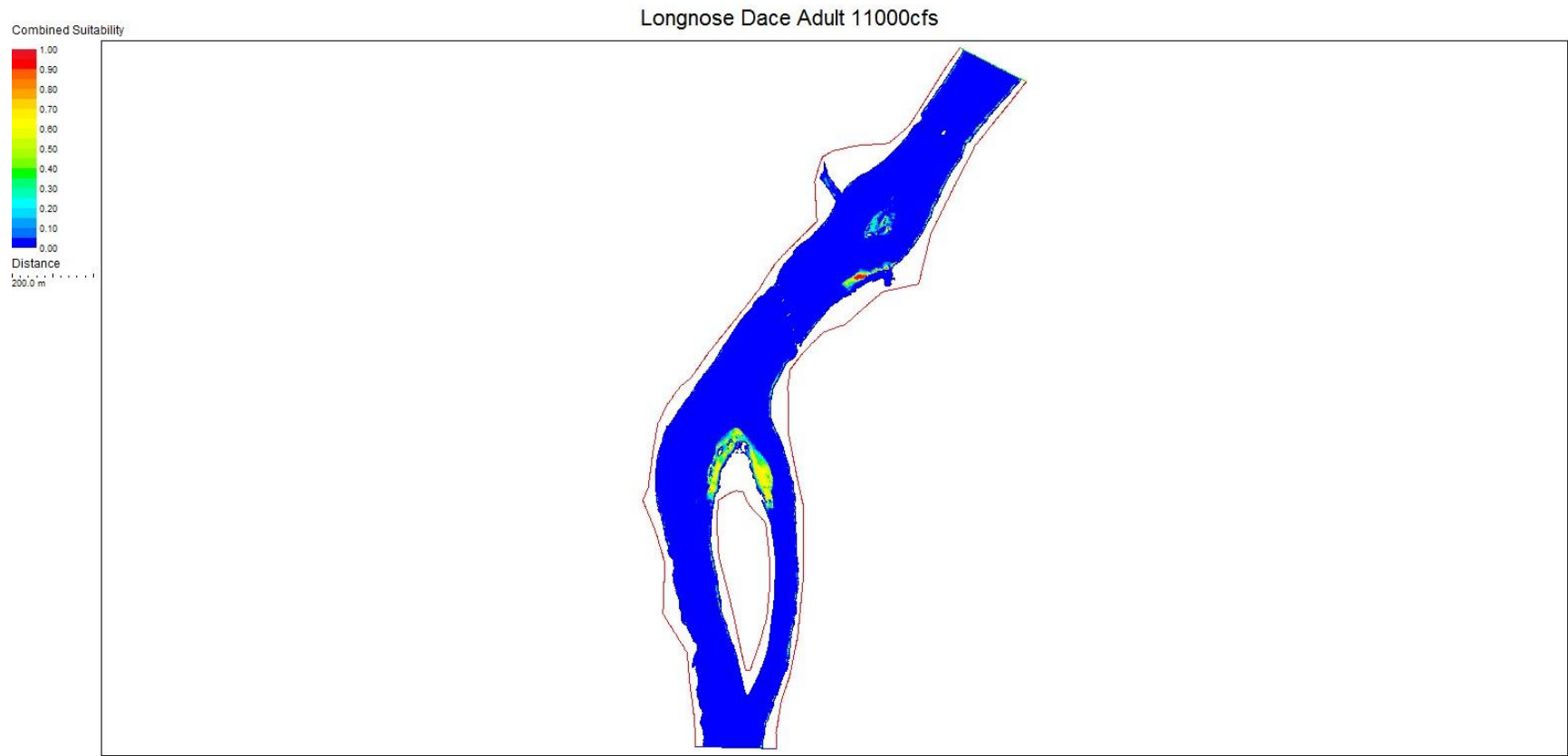




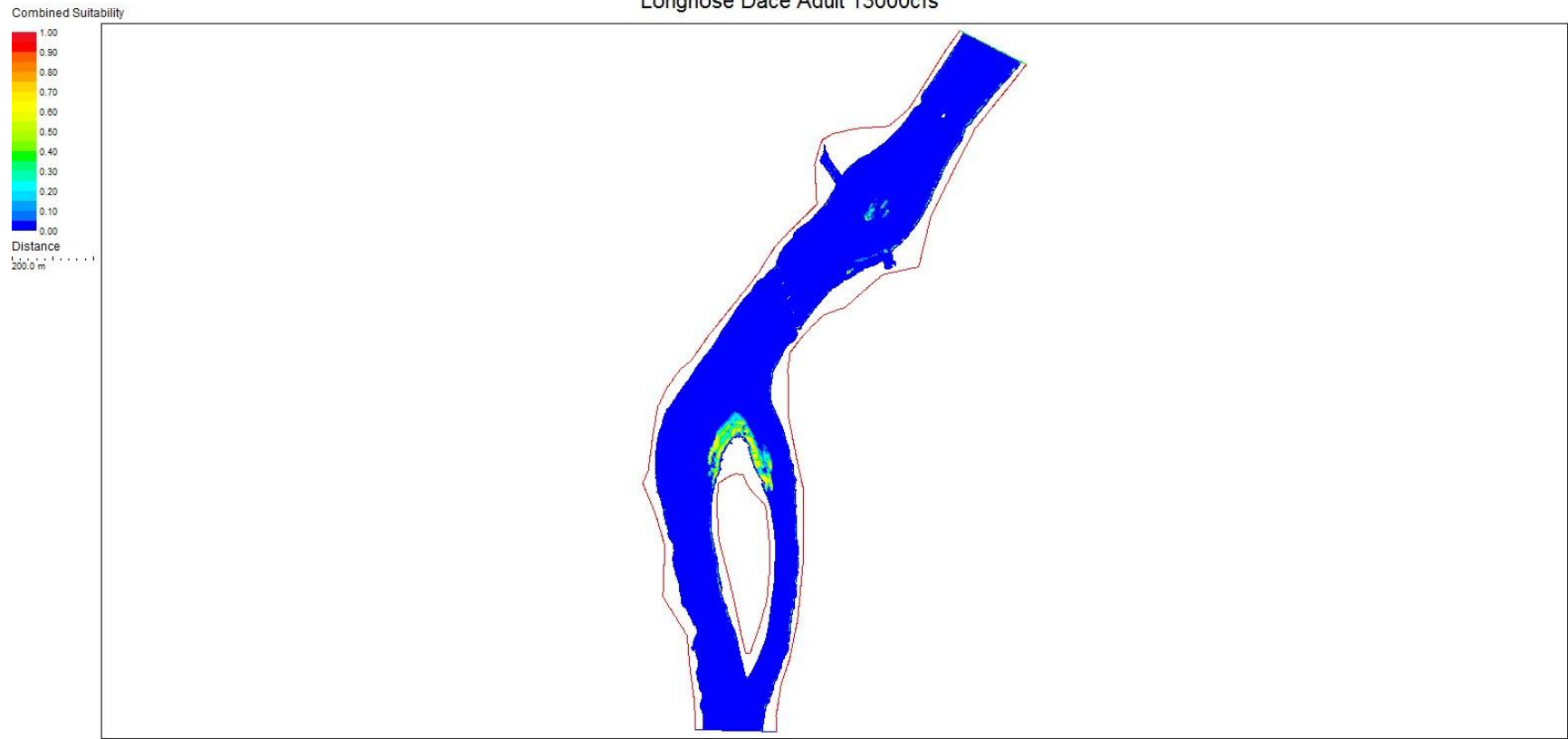


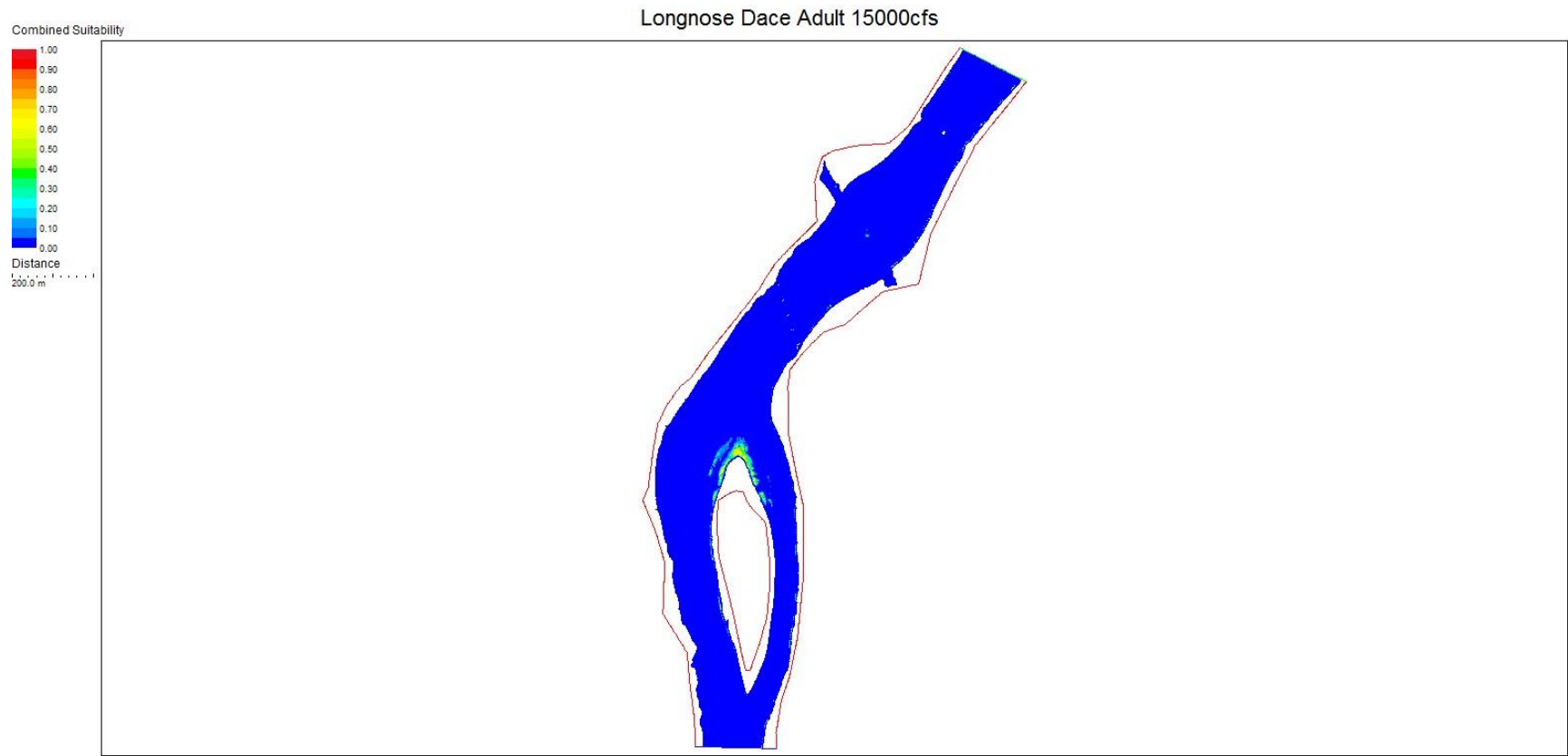


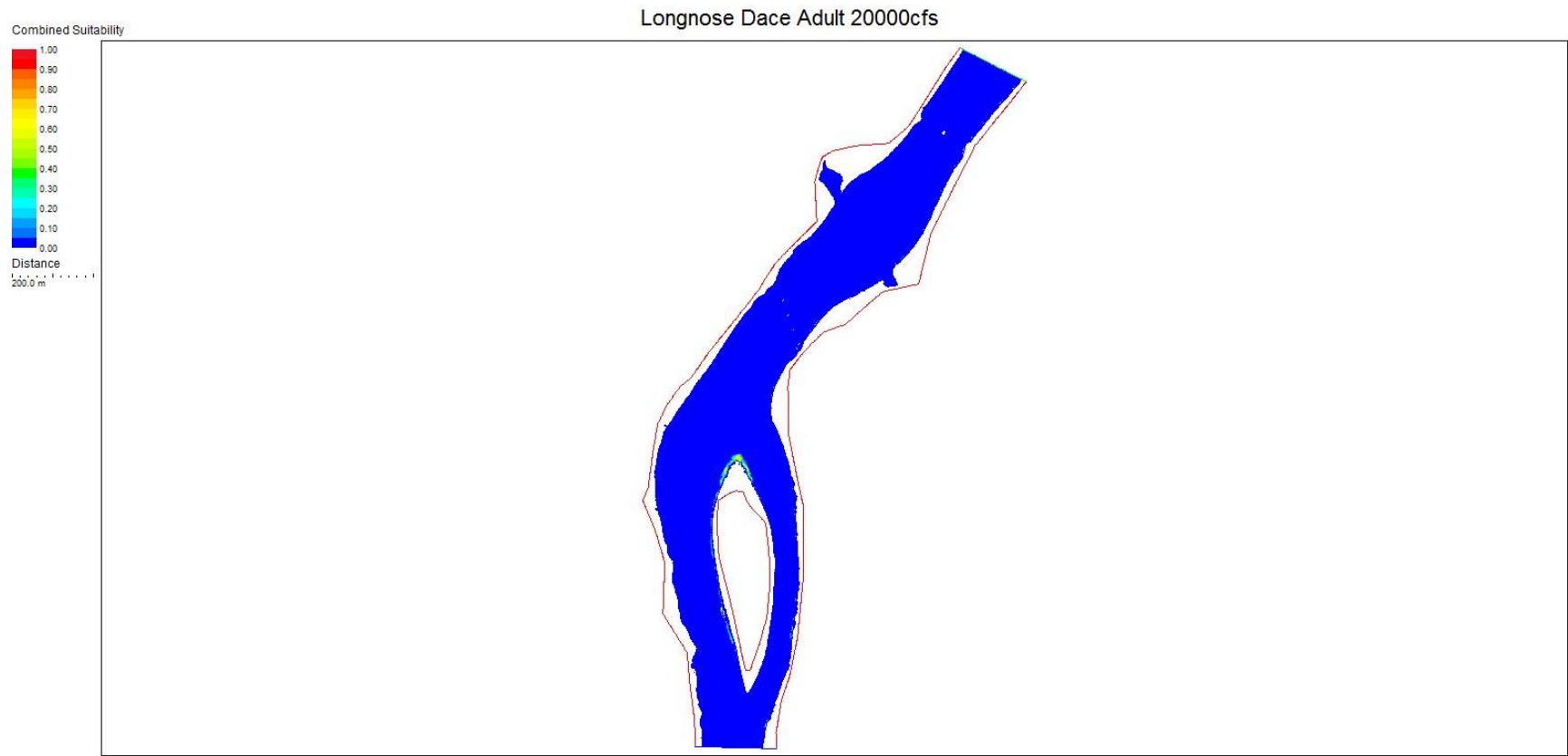


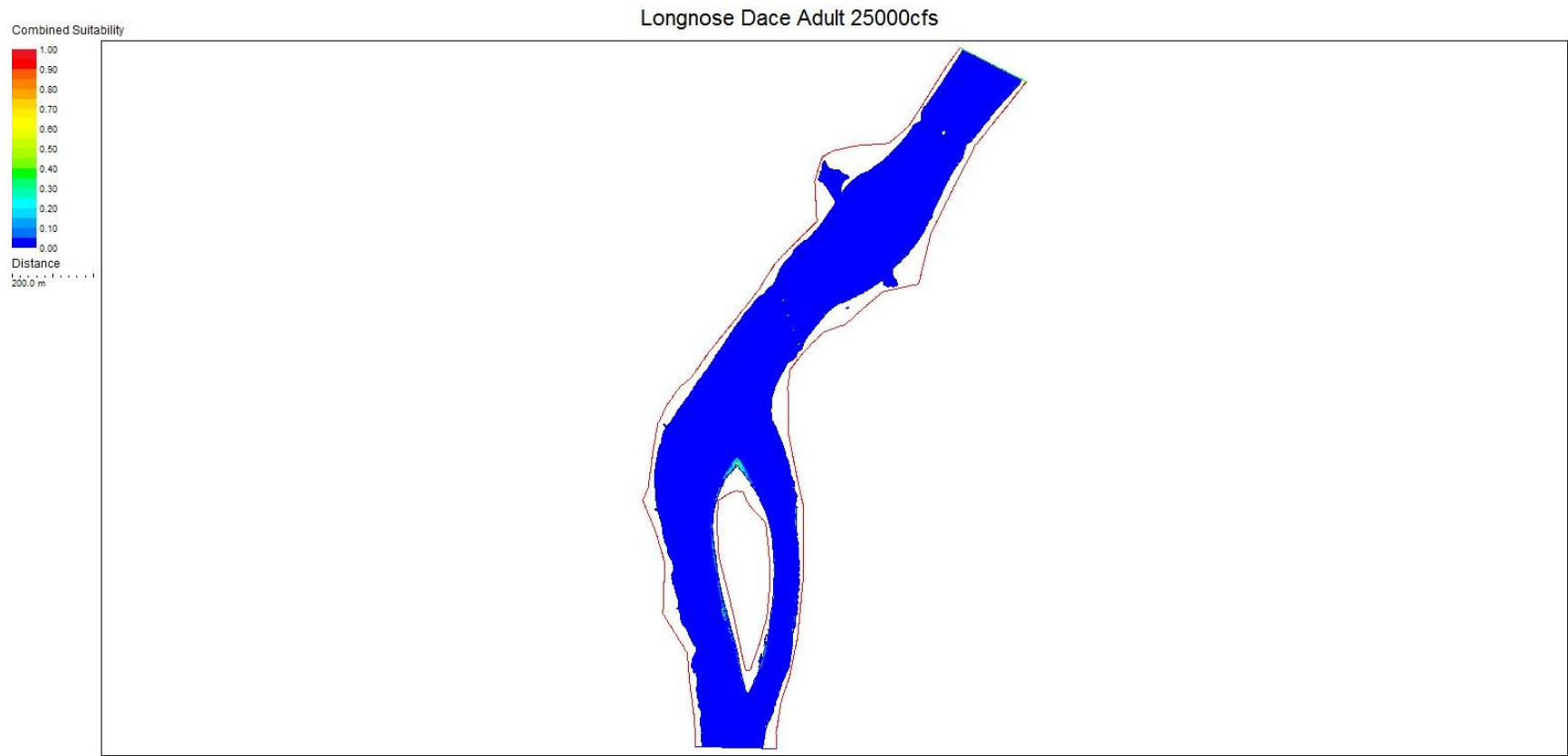


Longnose Dace Adult 13000cfs

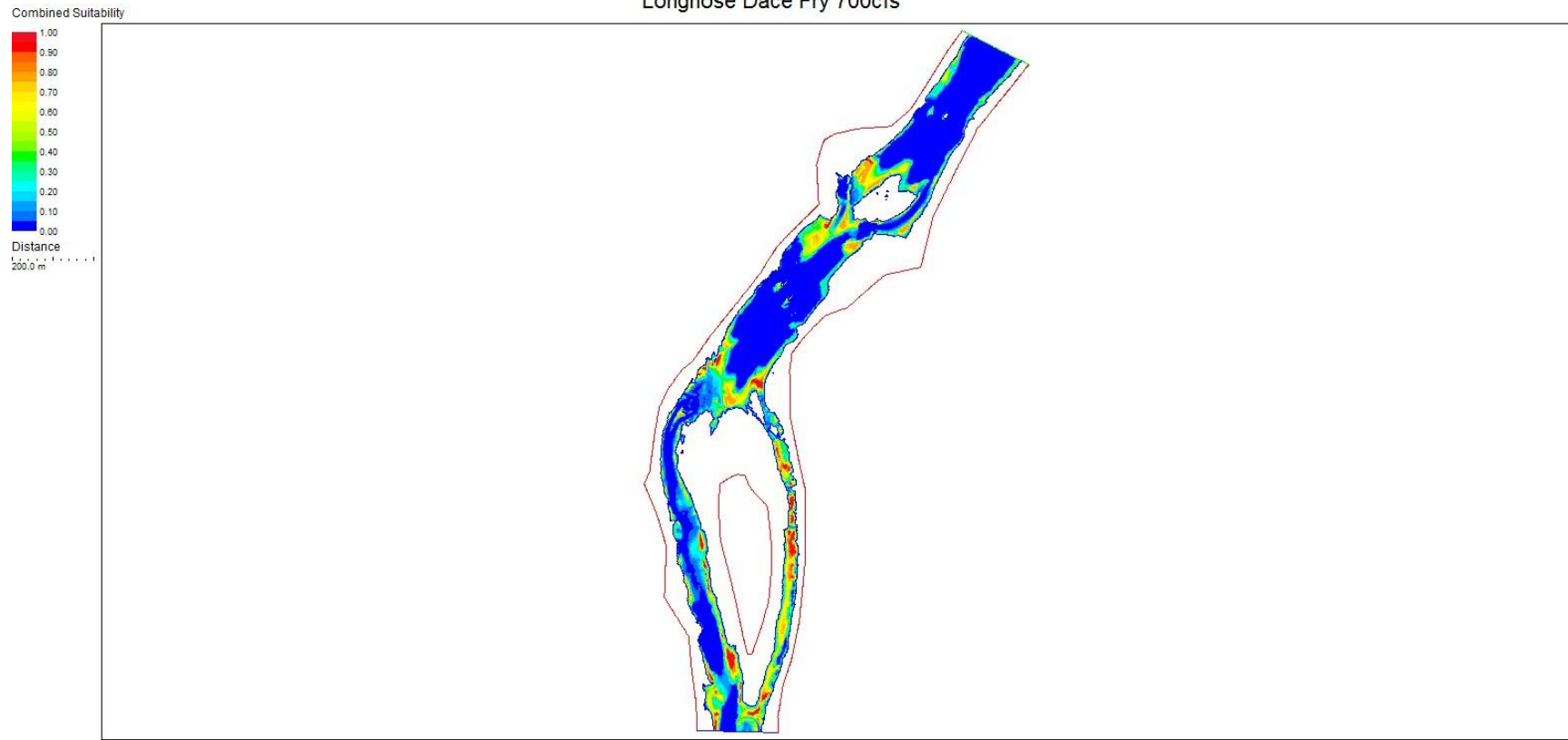




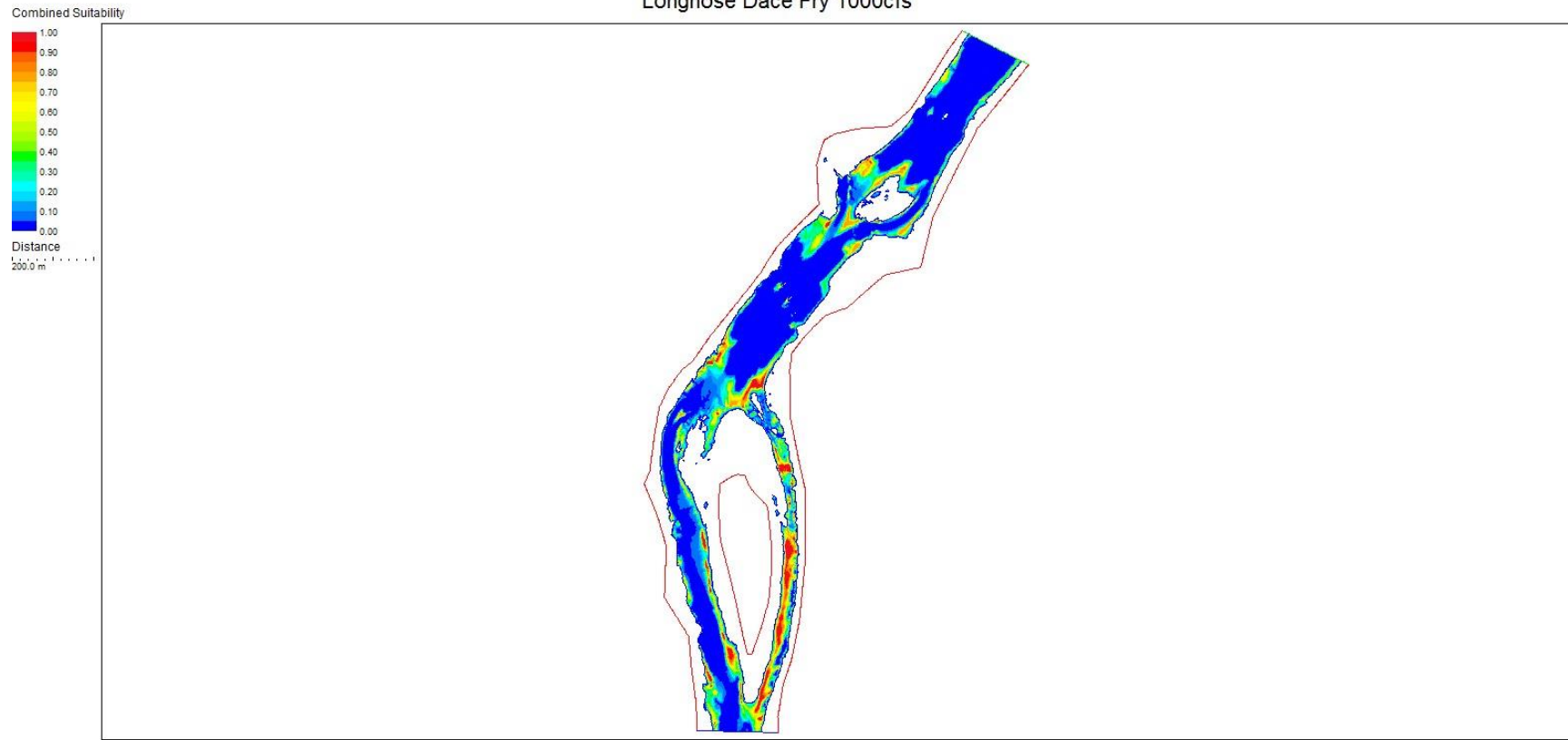




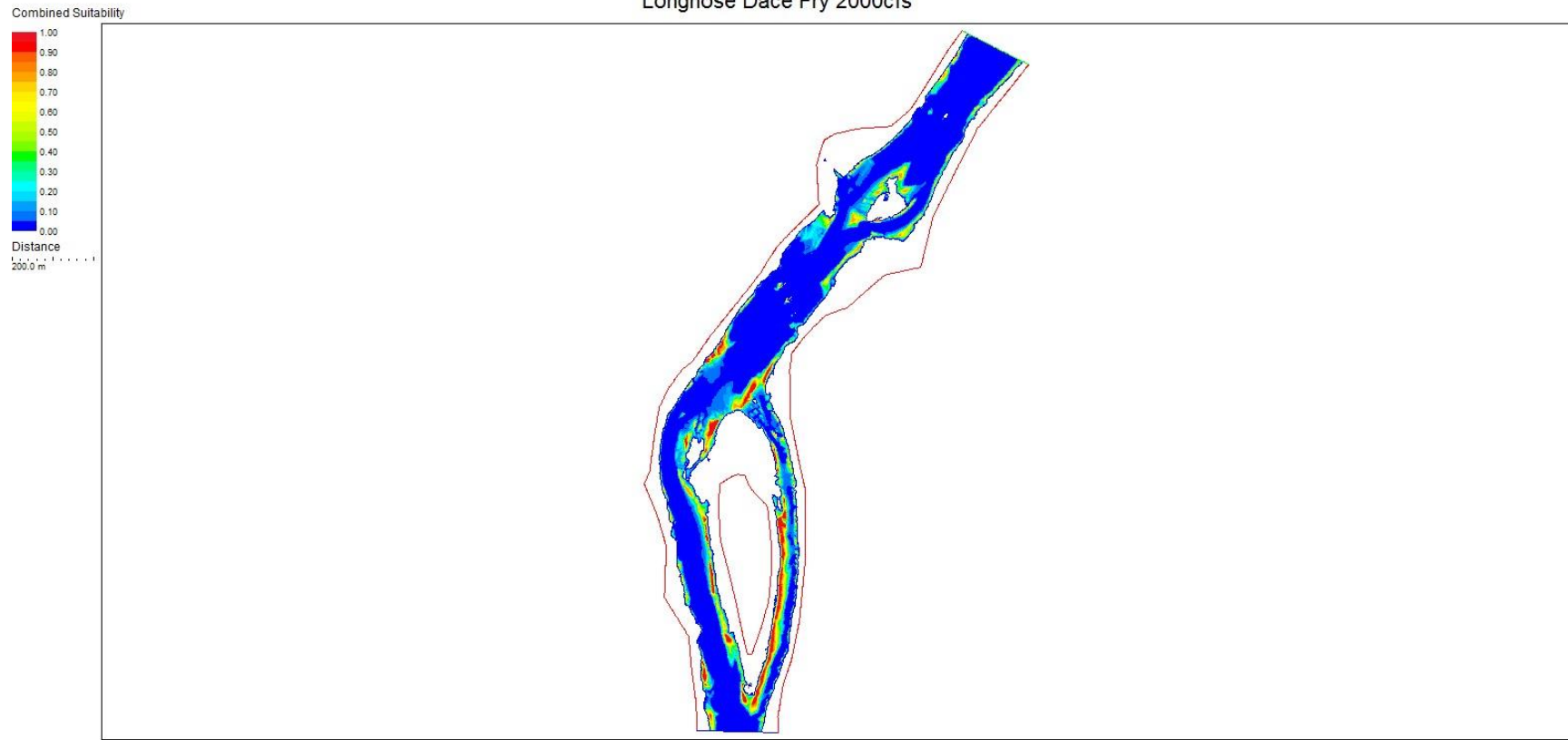
Longnose Dace Fry 700cfs



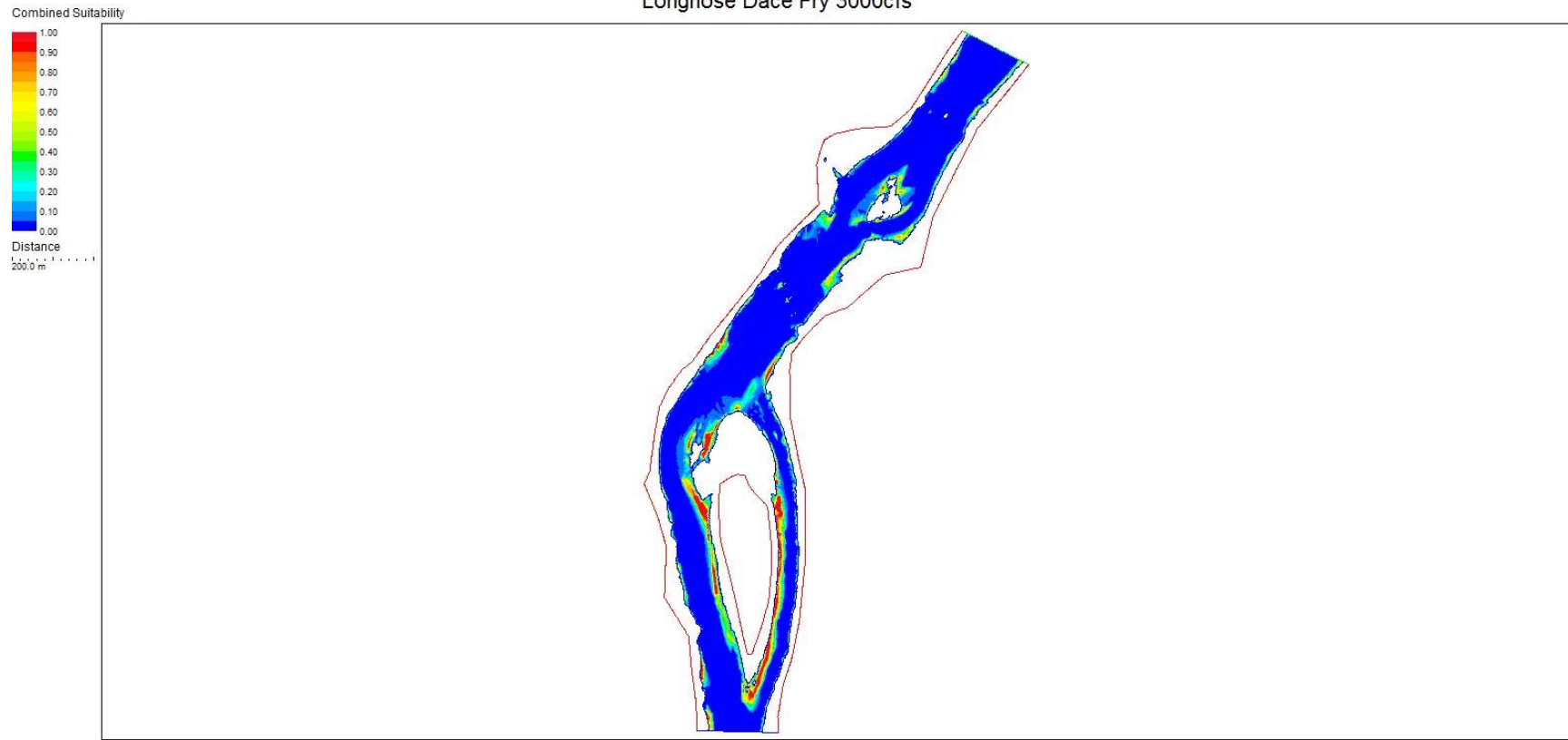
Longnose Dace Fry 1000cfs



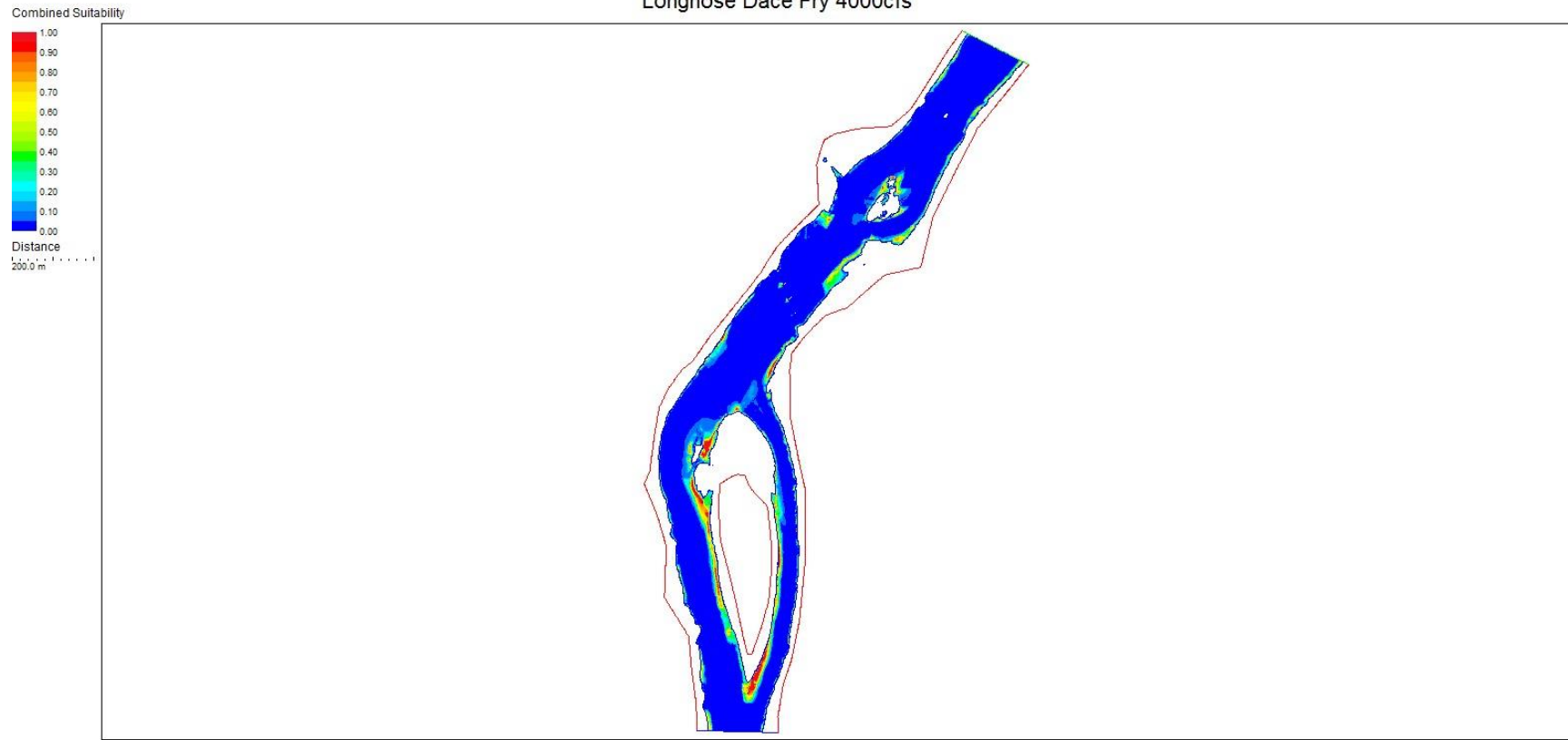
Longnose Dace Fry 2000cfs



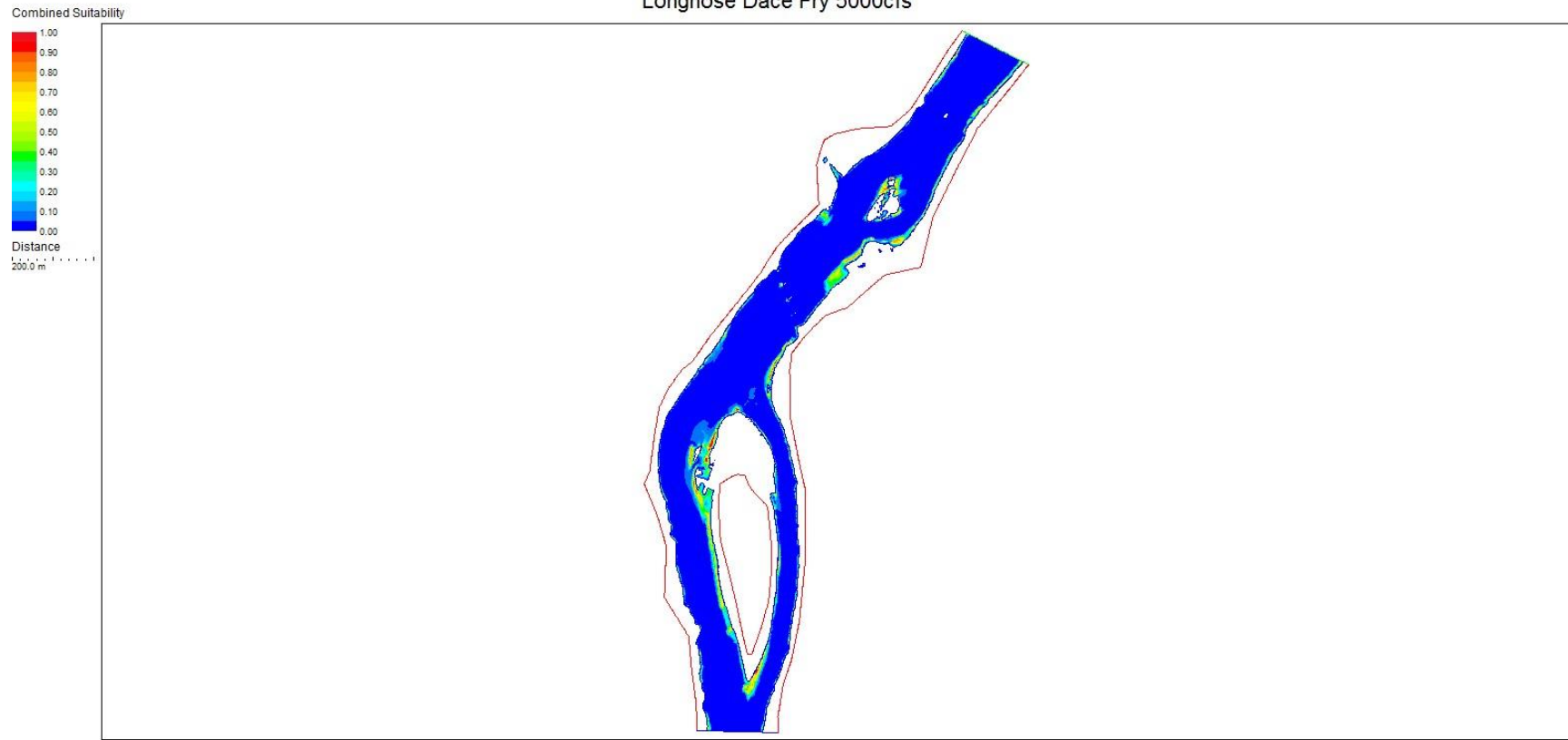
Longnose Dace Fry 3000cfs

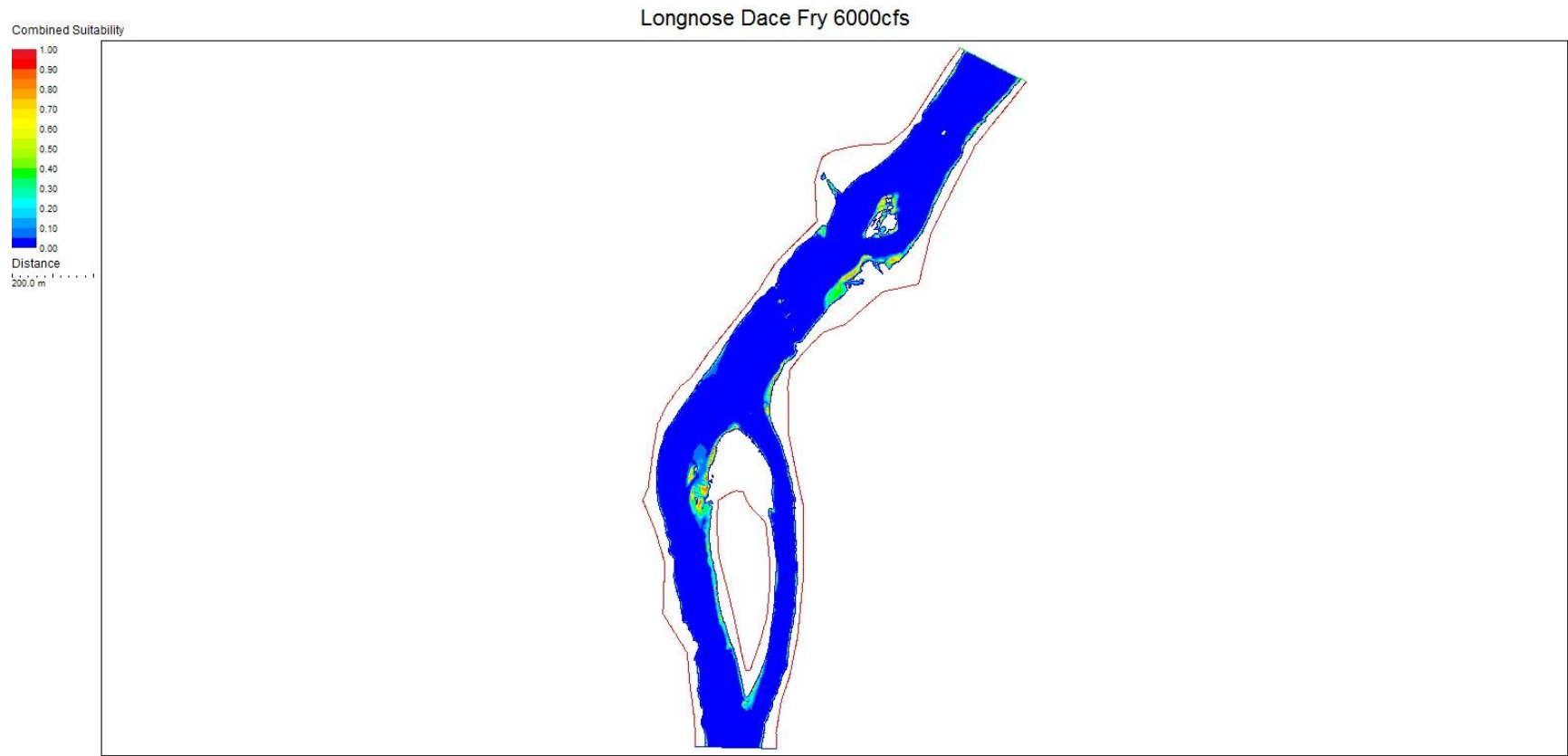


Longnose Dace Fry 4000cfs

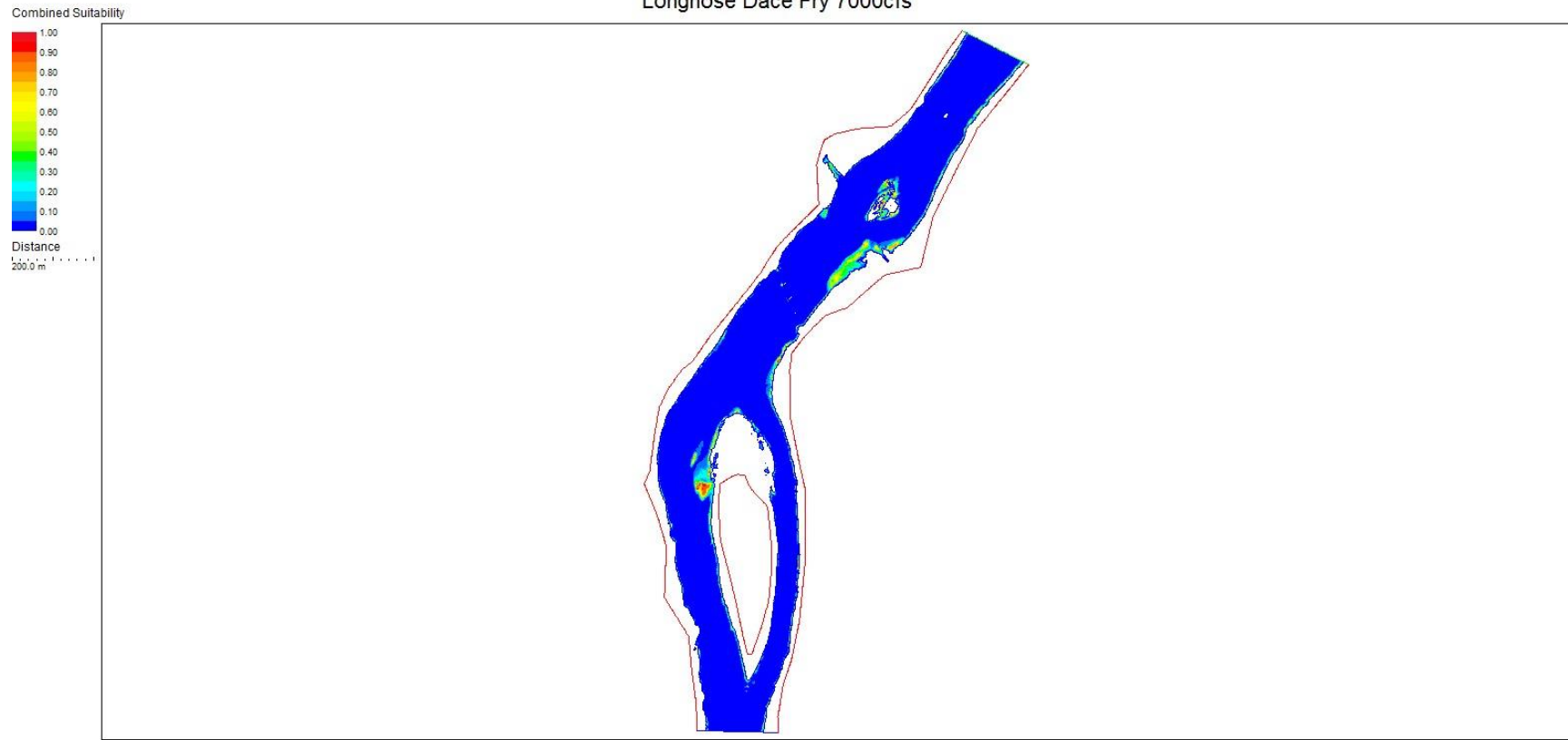


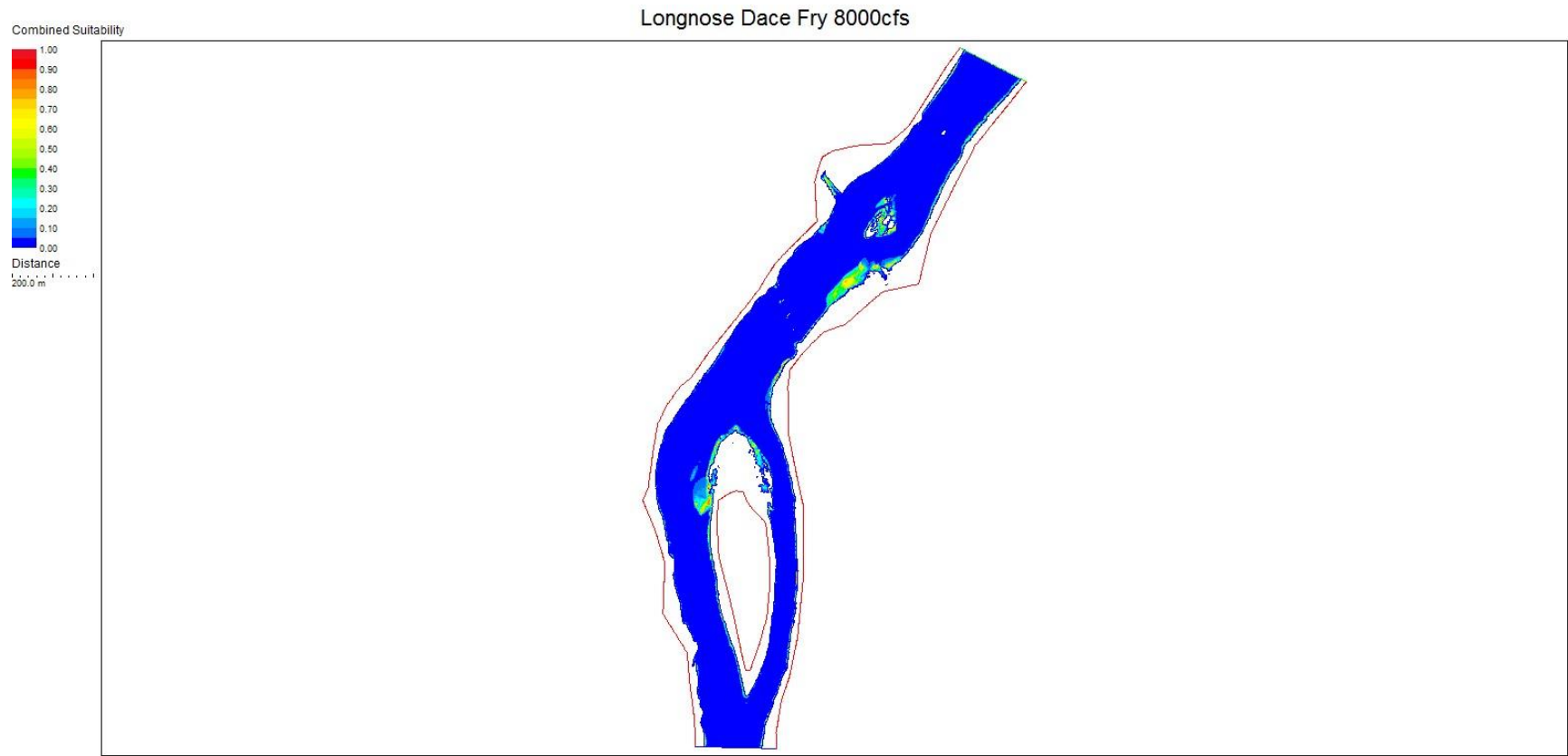
Longnose Dace Fry 5000cfs



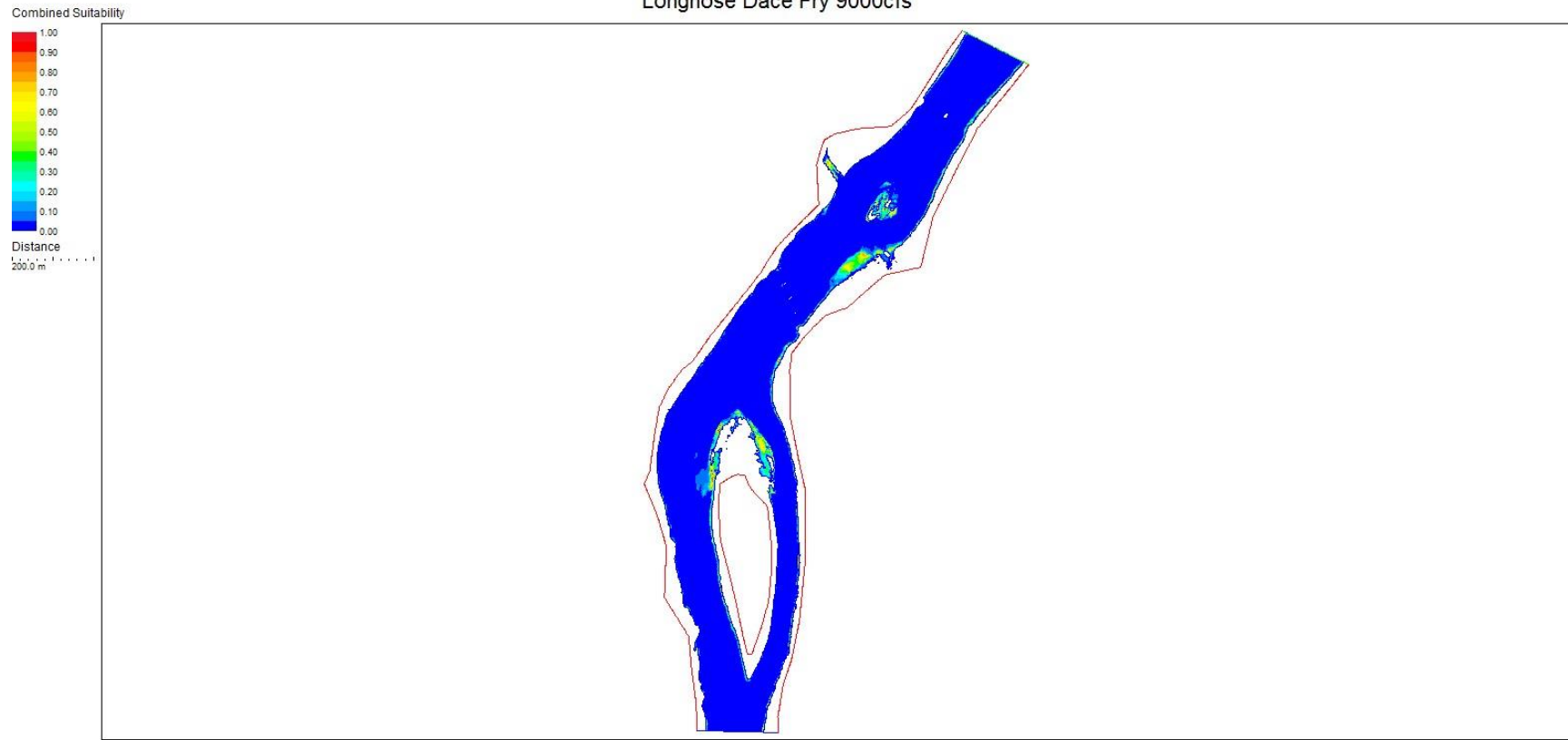


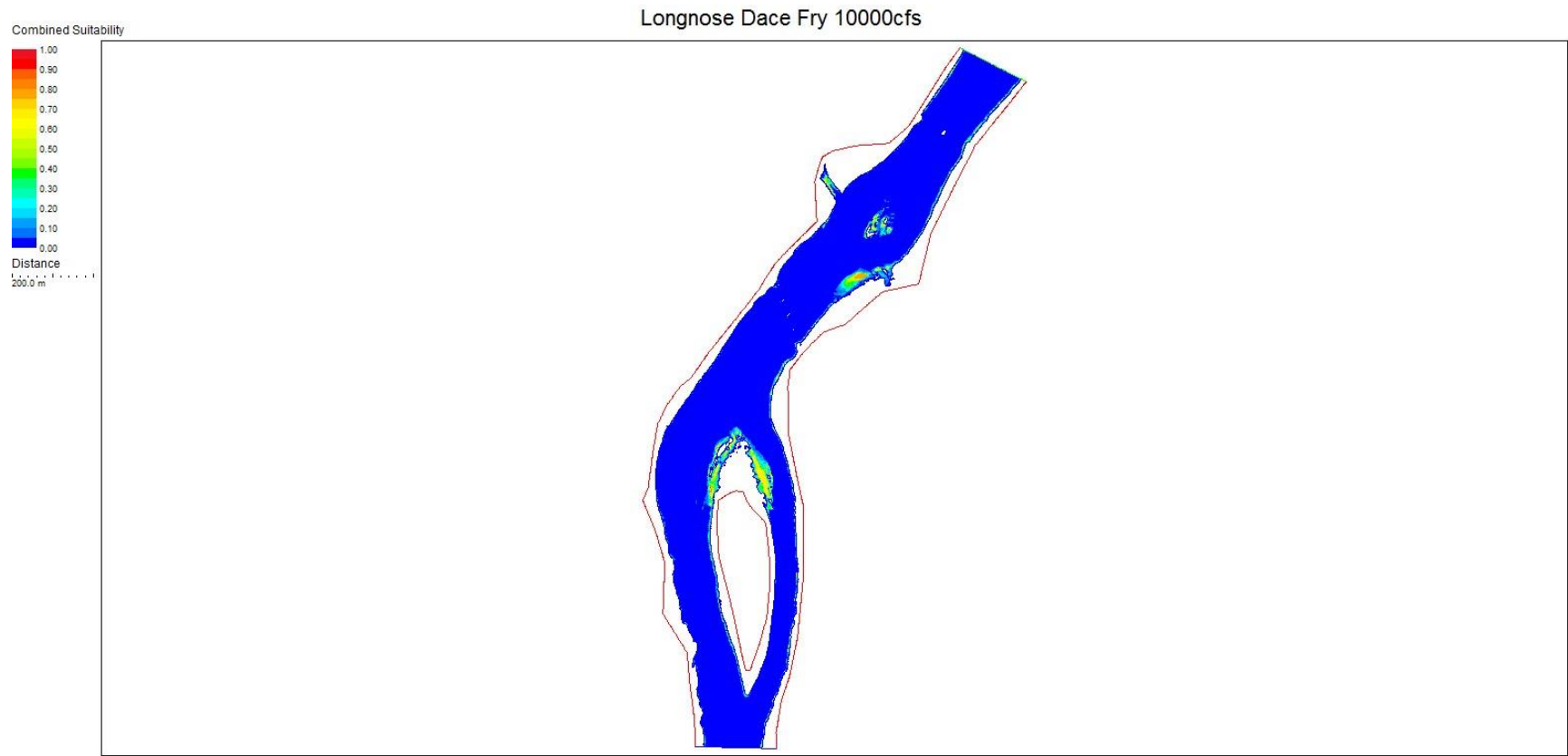
Longnose Dace Fry 7000cfs



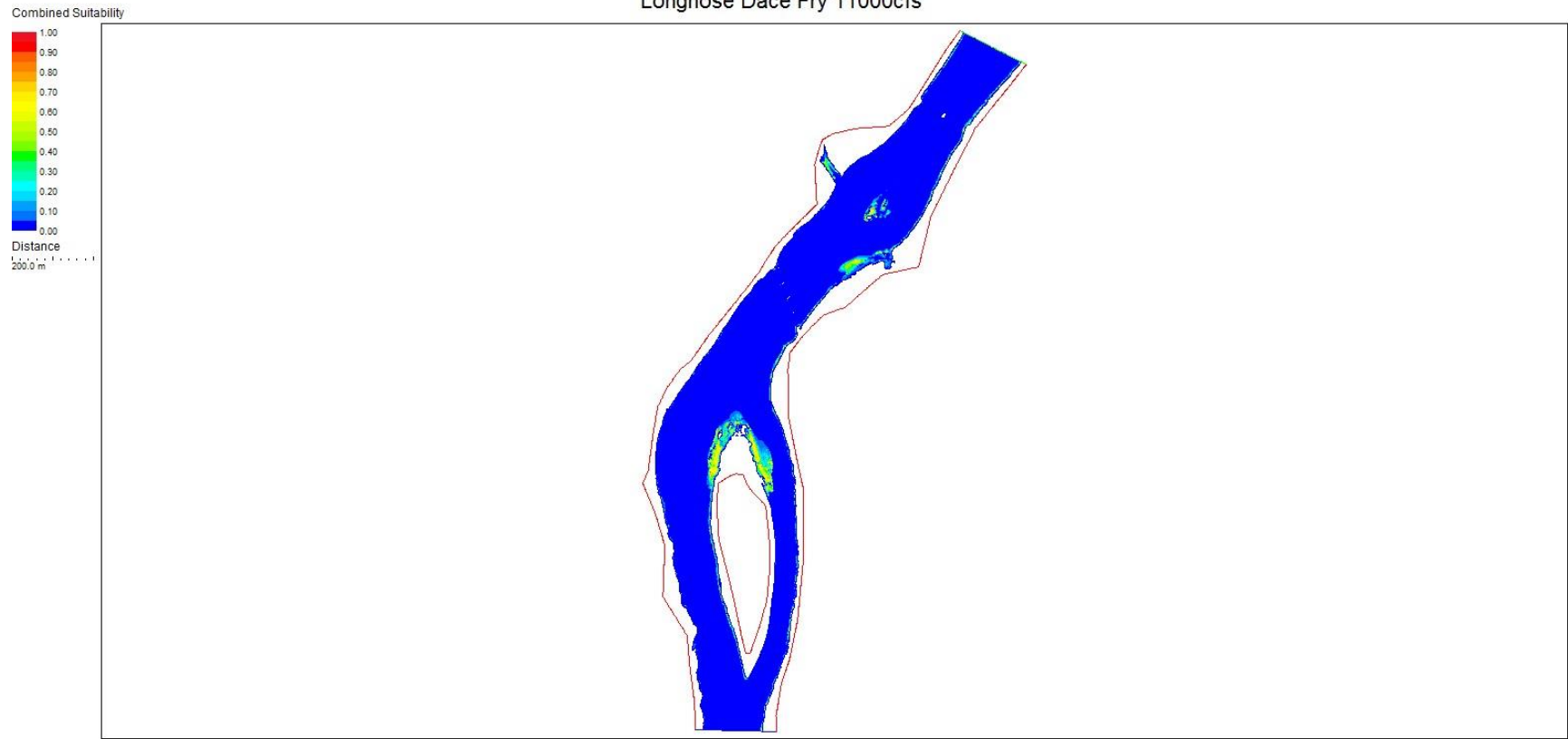


Longnose Dace Fry 9000cfs

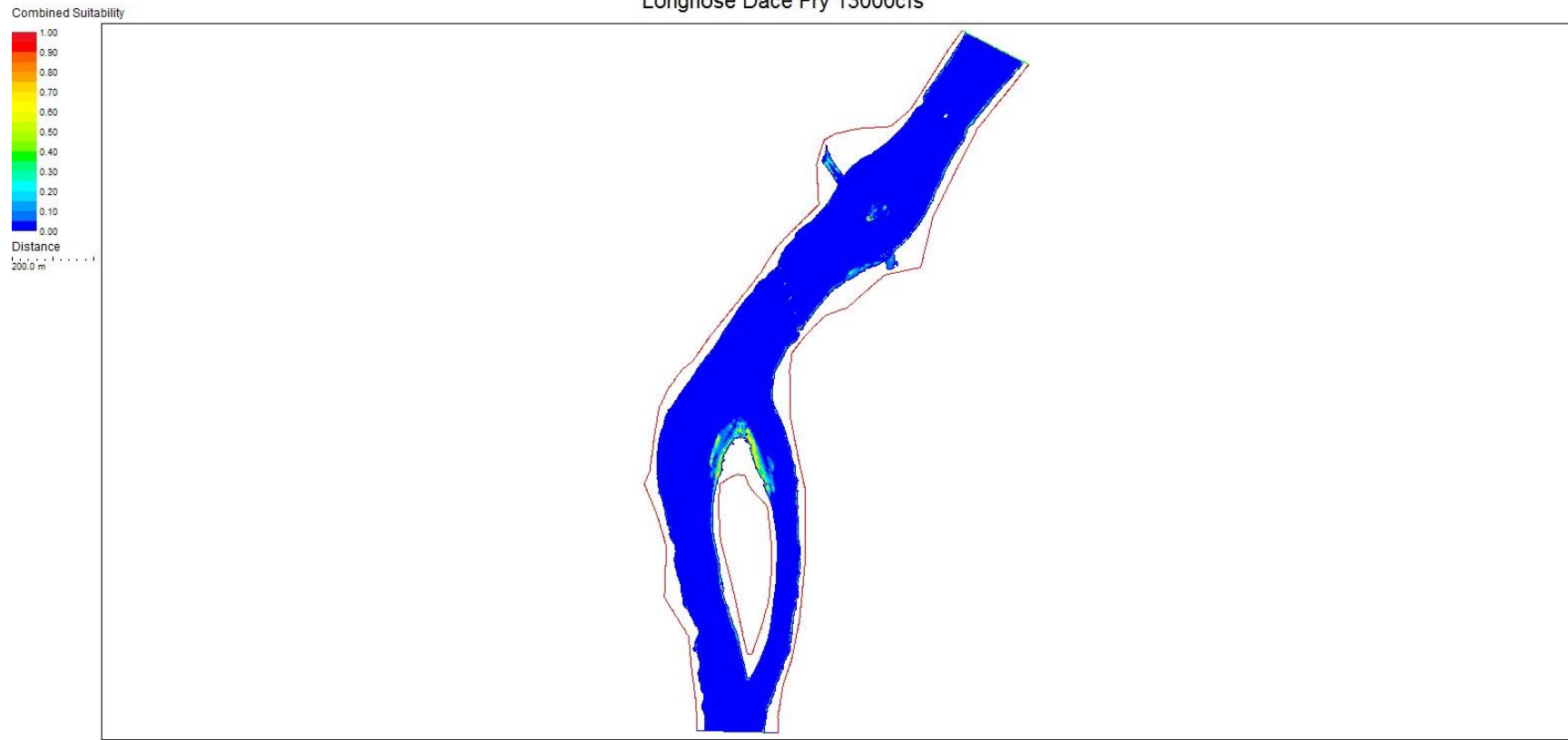


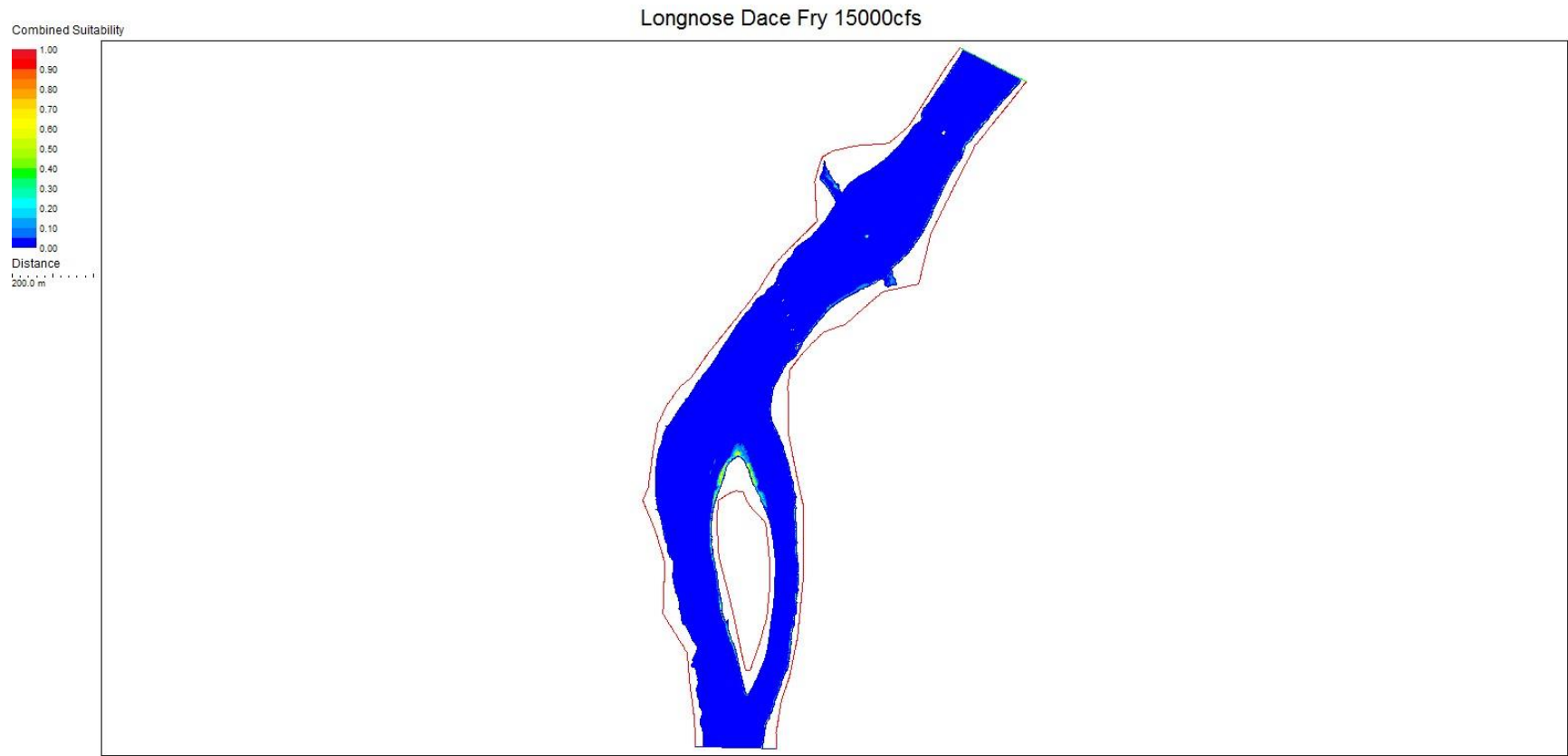


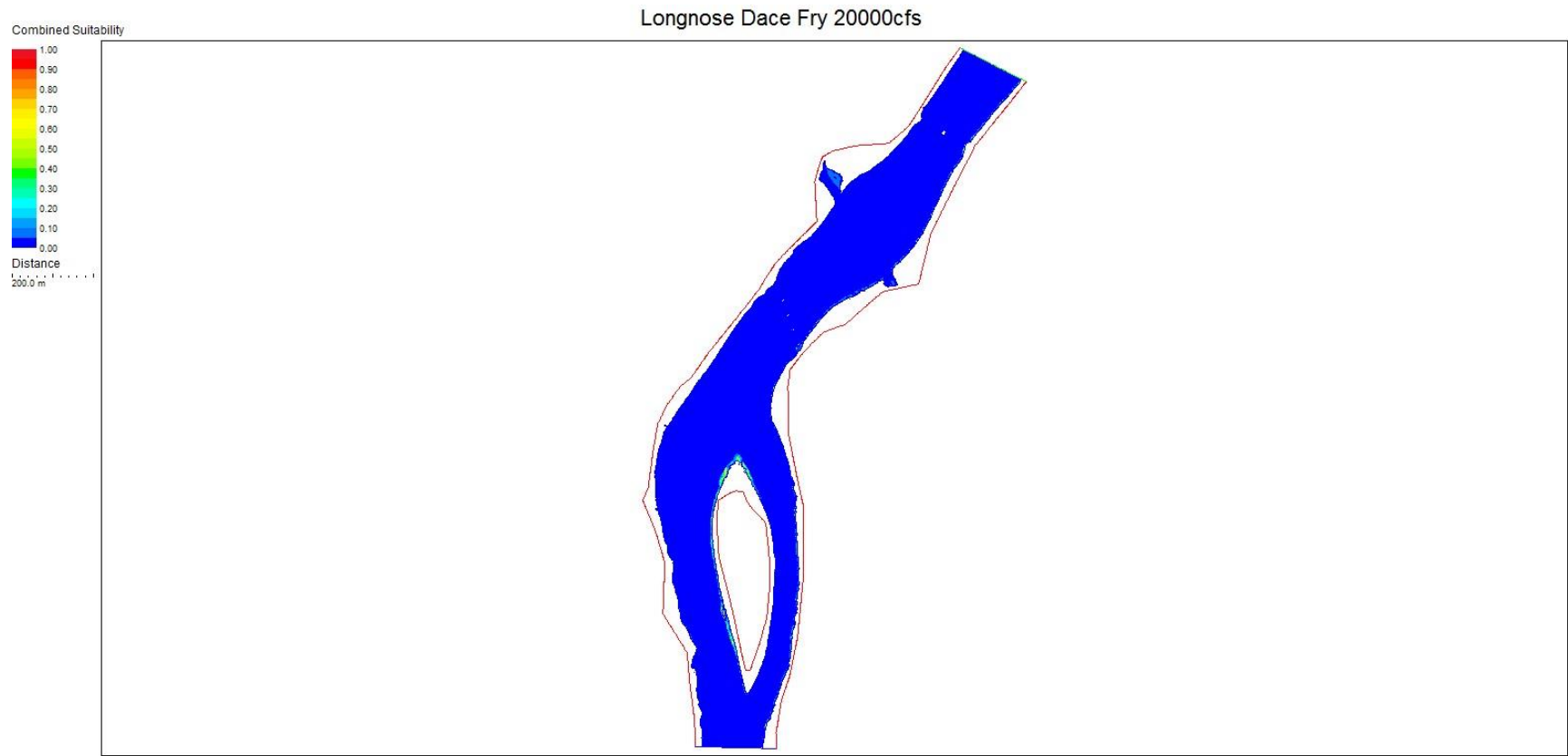
Longnose Dace Fry 11000cfs

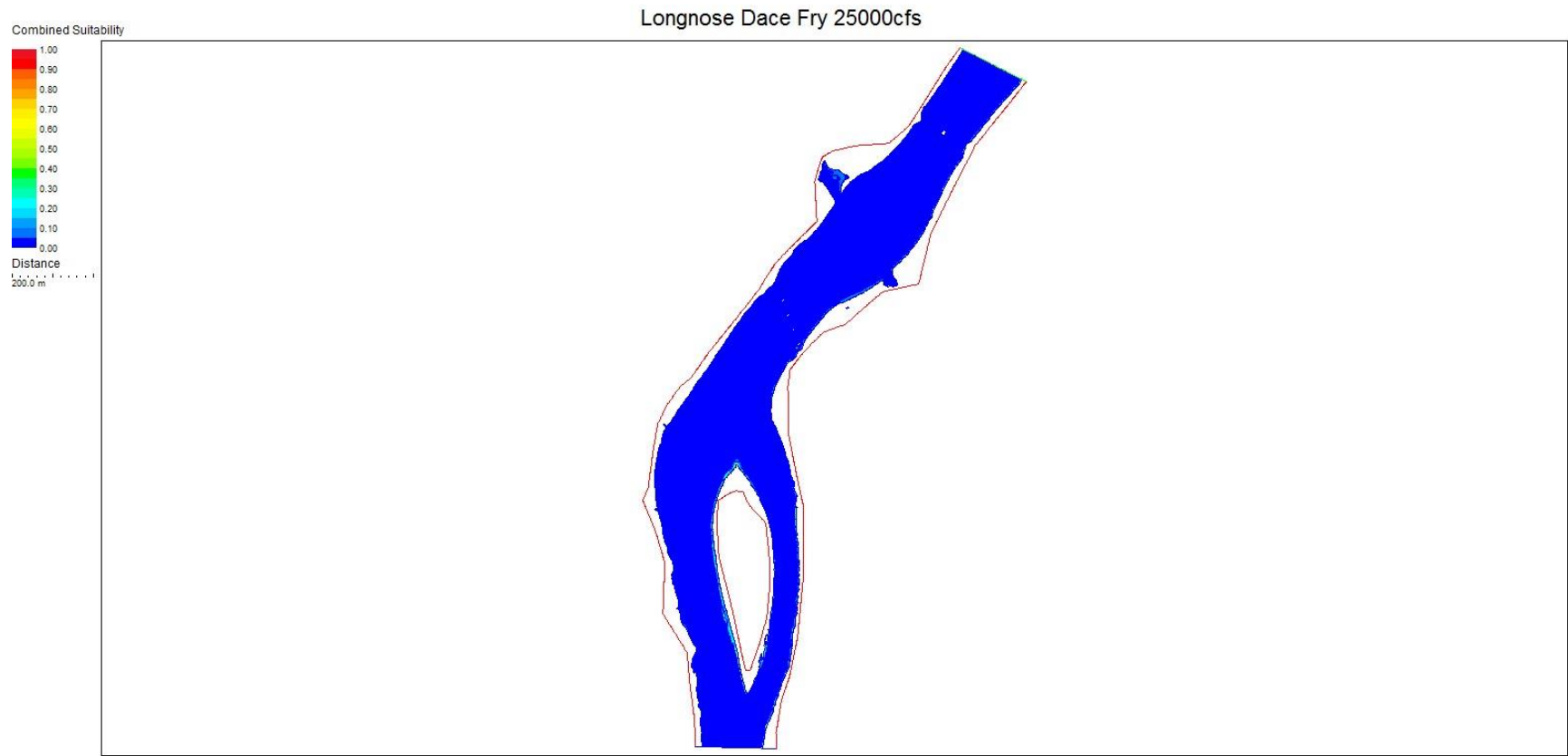


Longnose Dace Fry 13000cfs

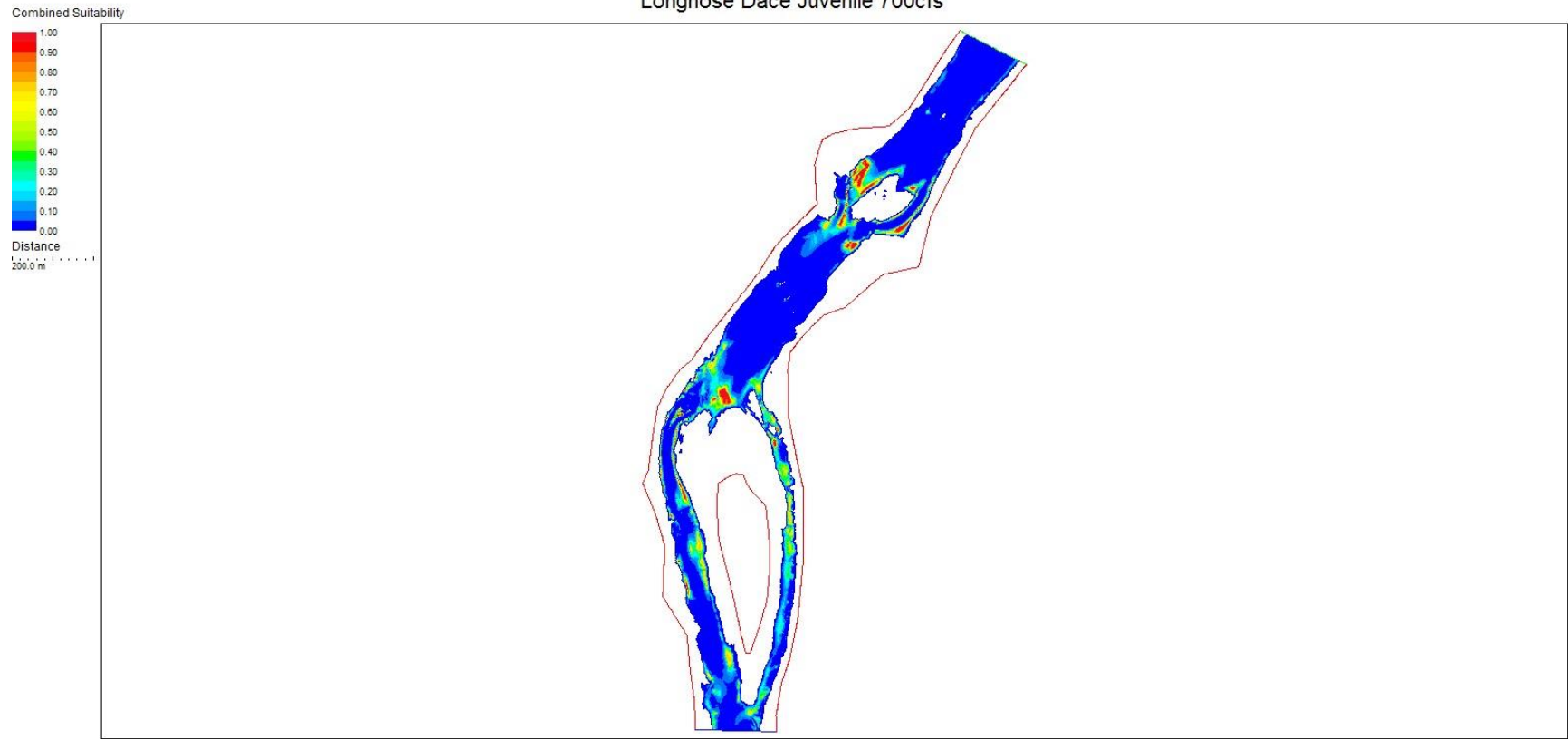


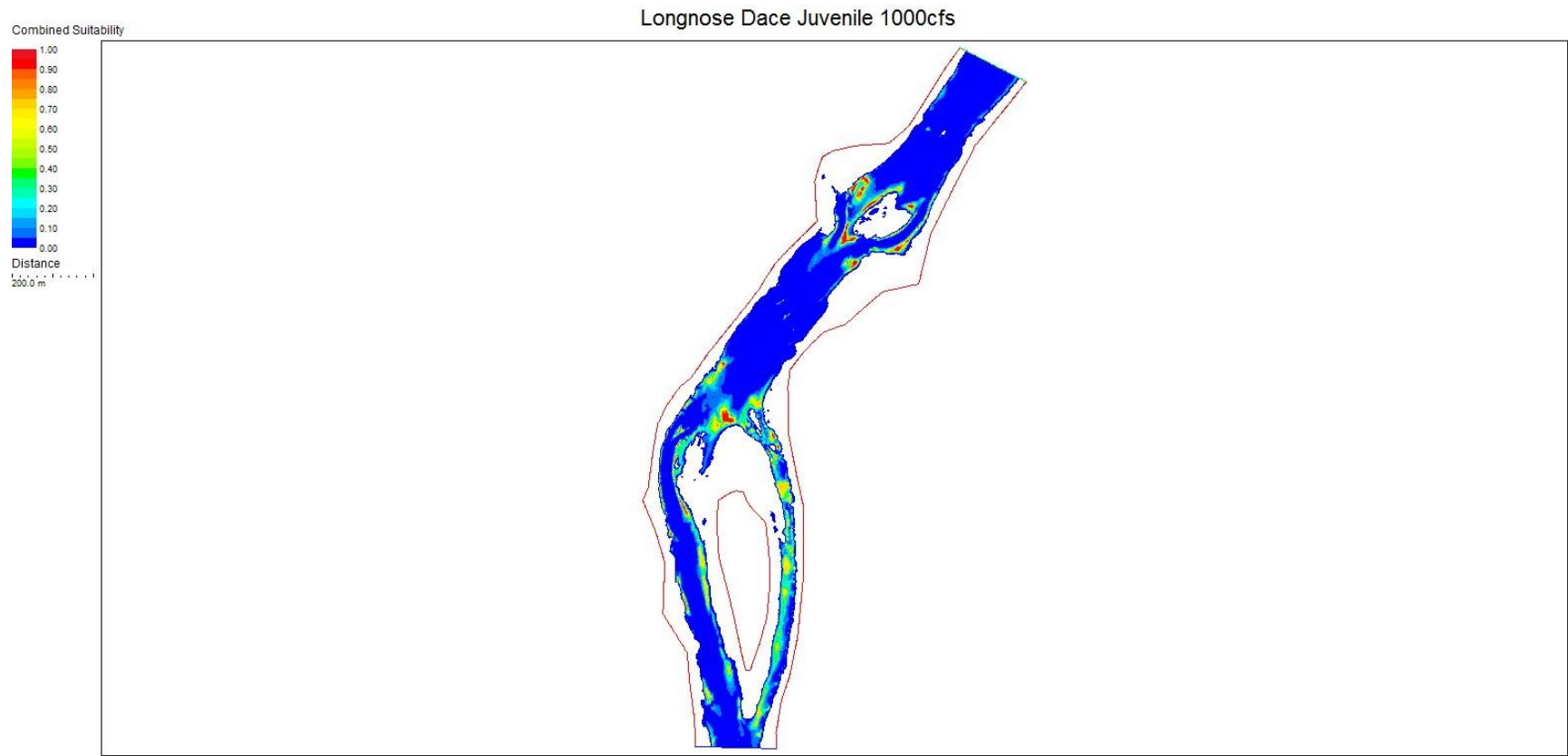


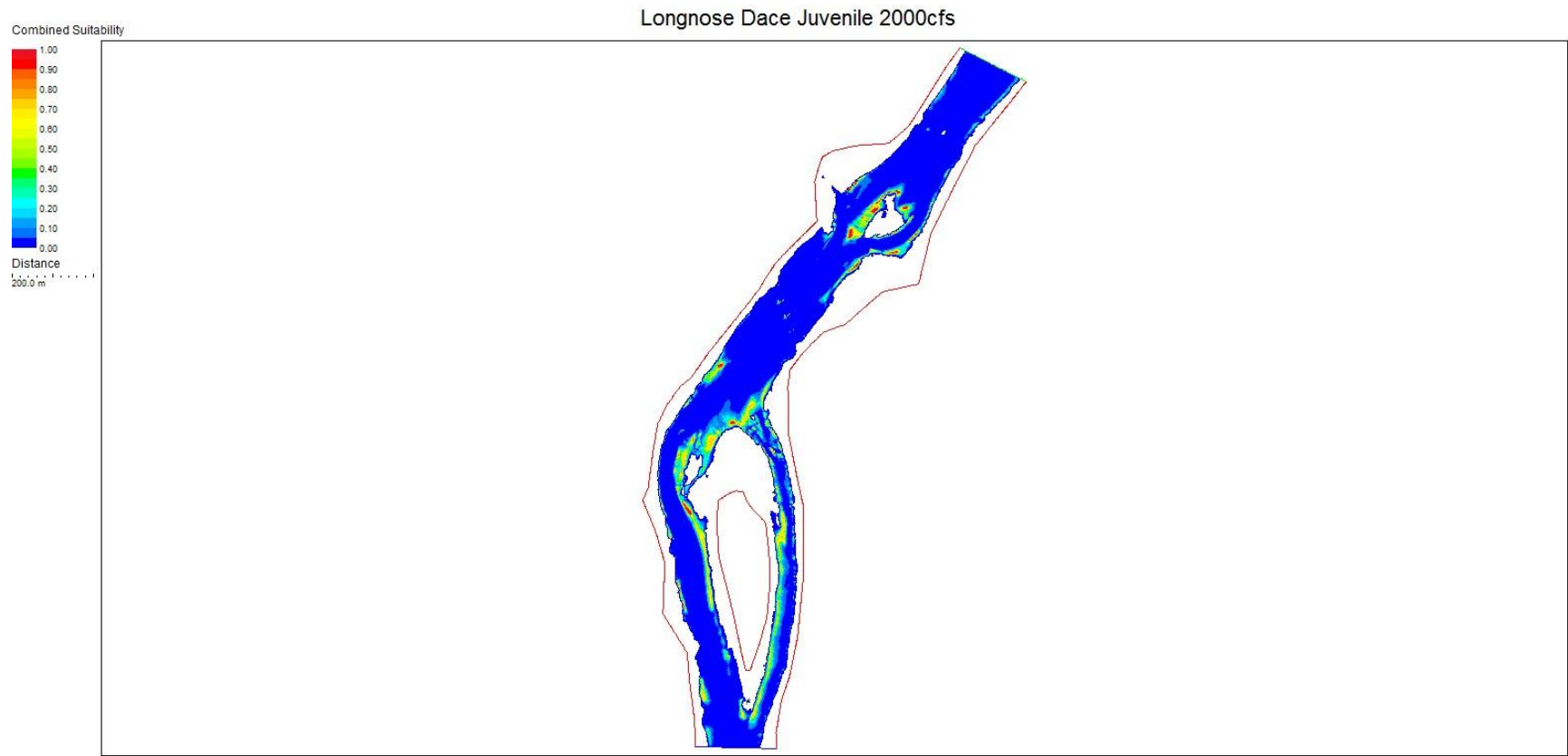


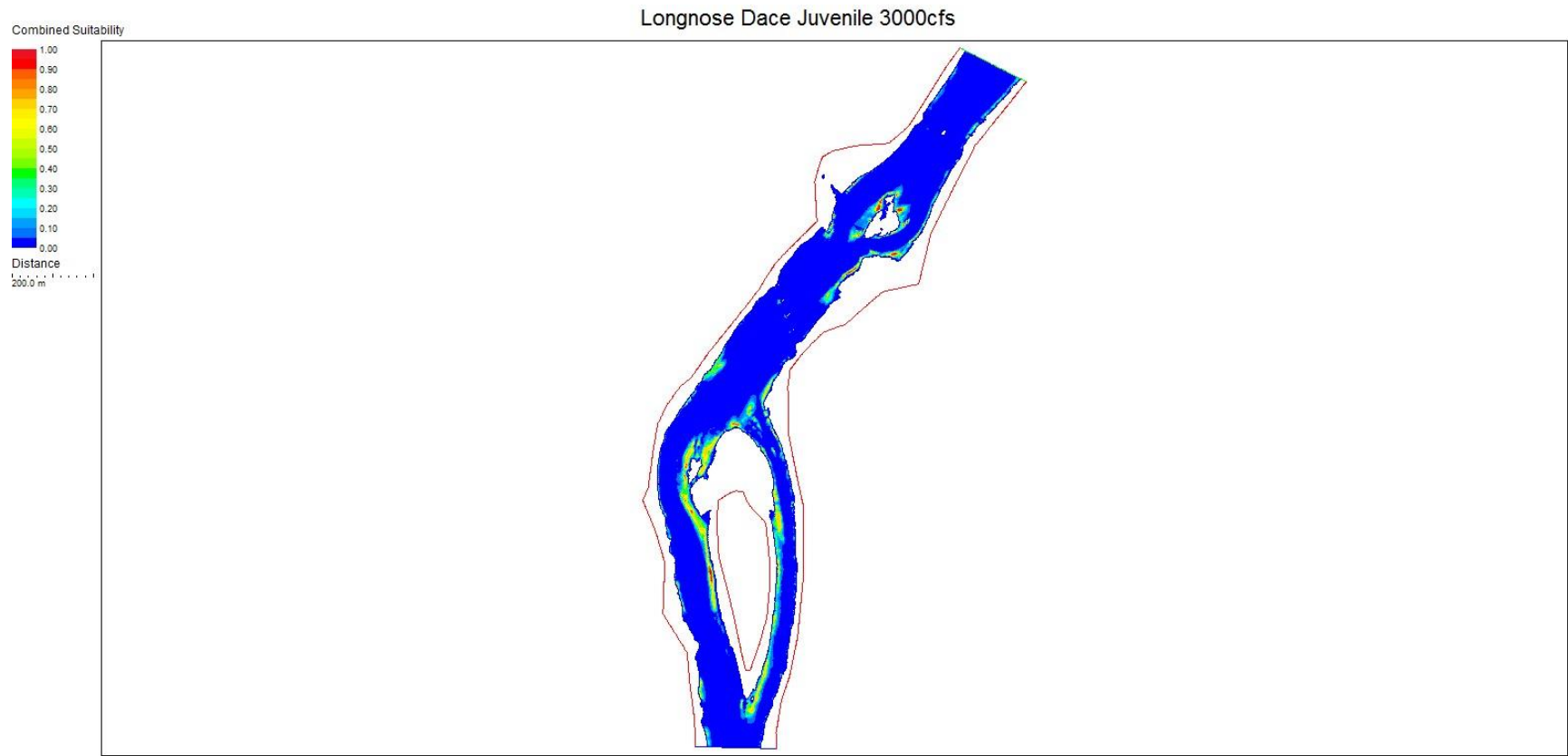


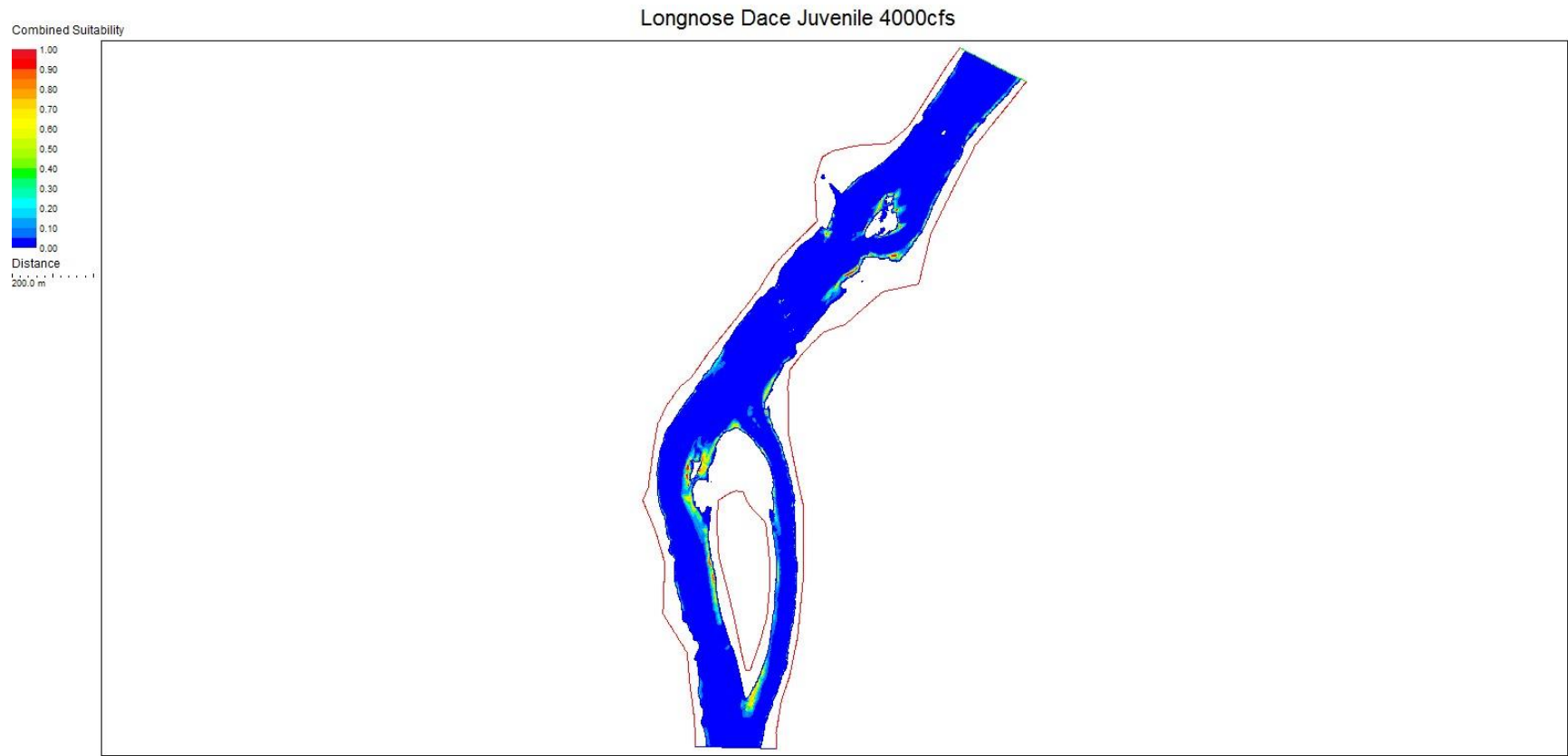
Longnose Dace Juvenile 700cfs

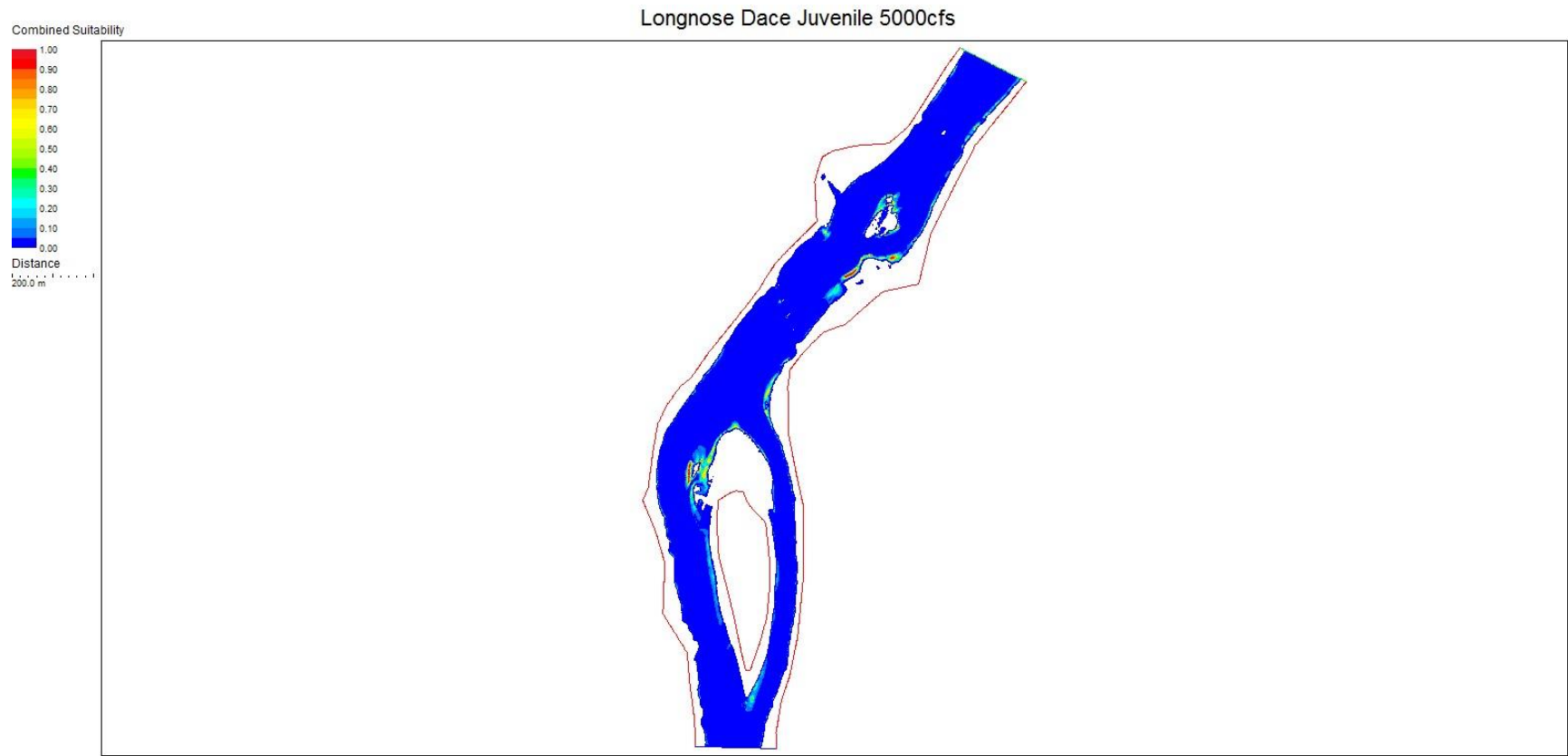




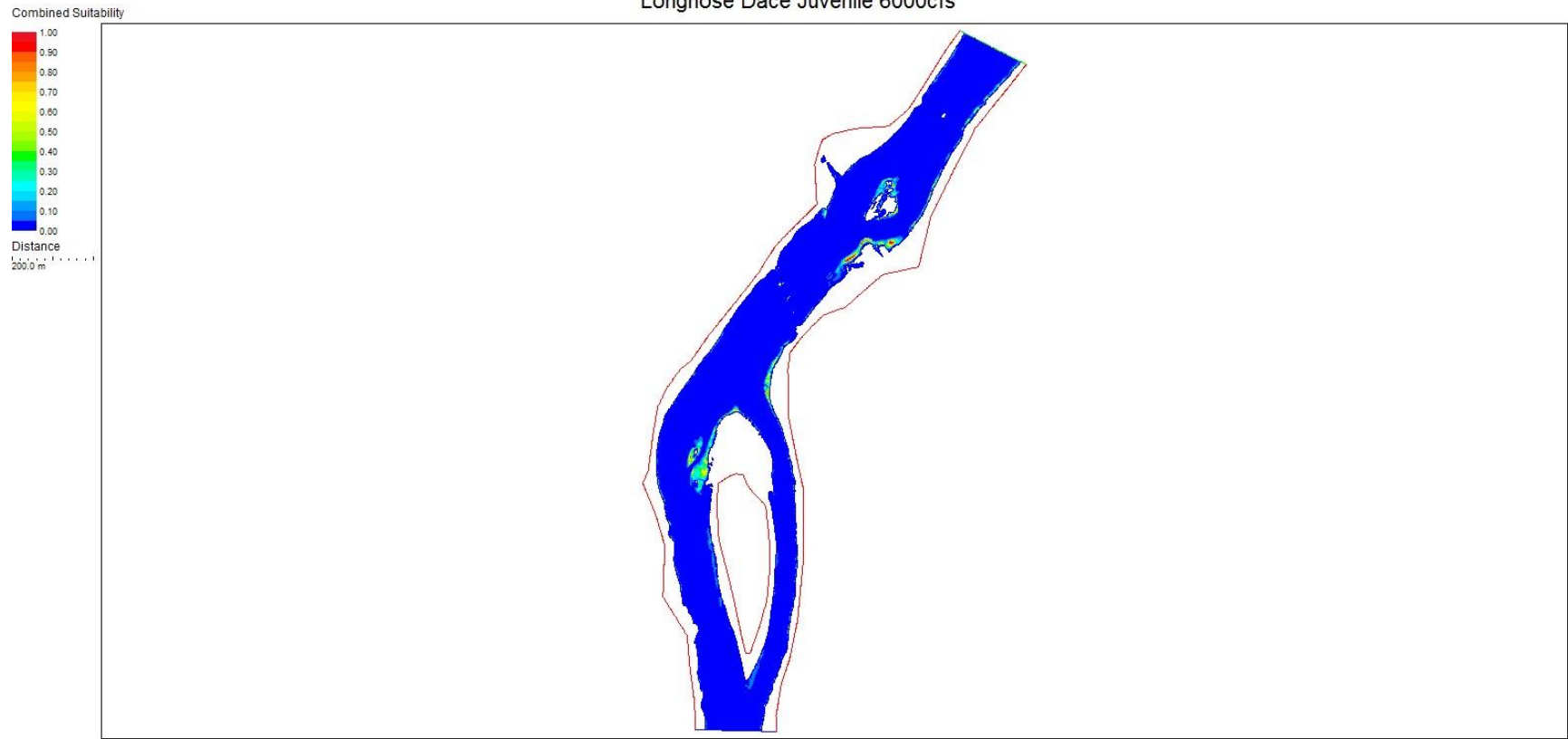


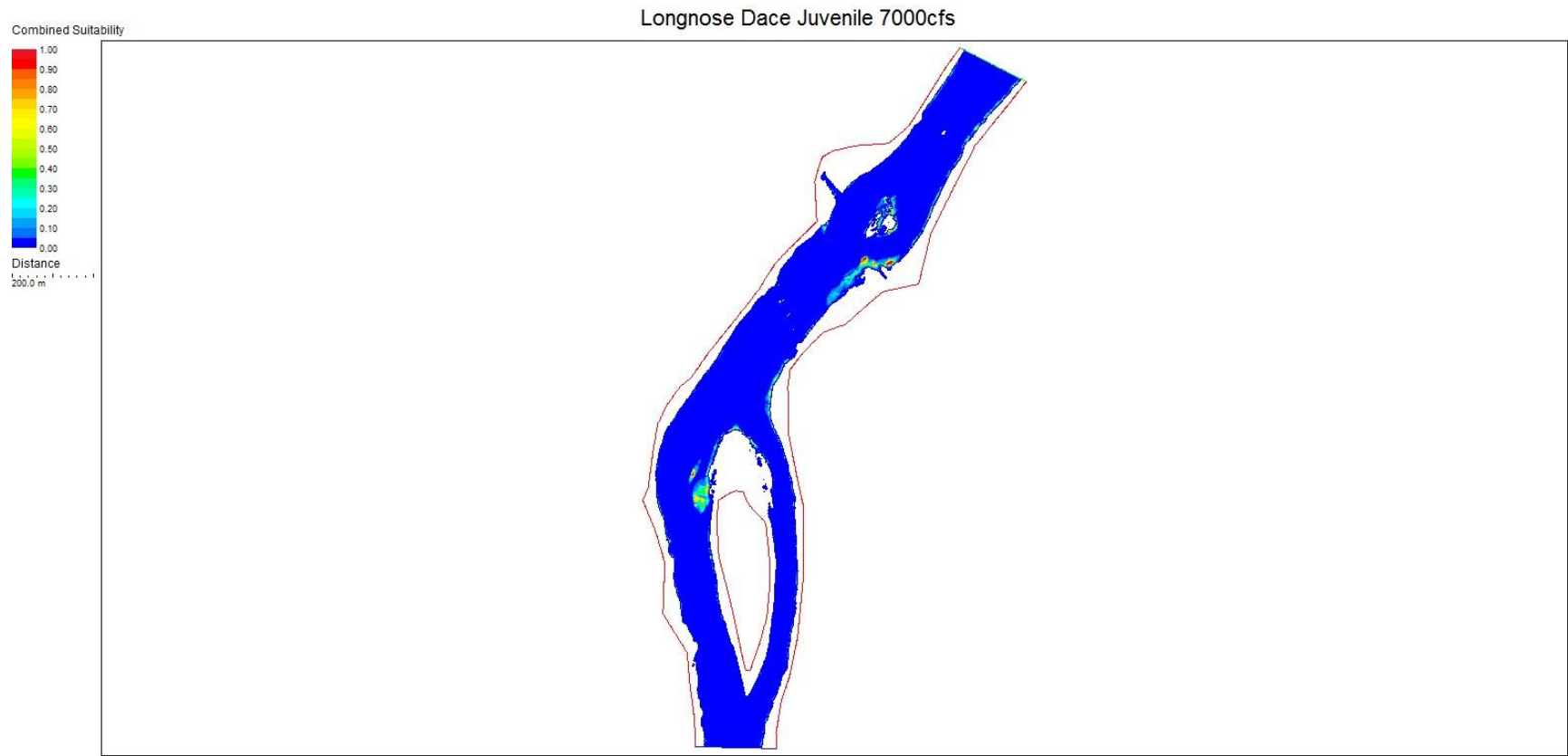




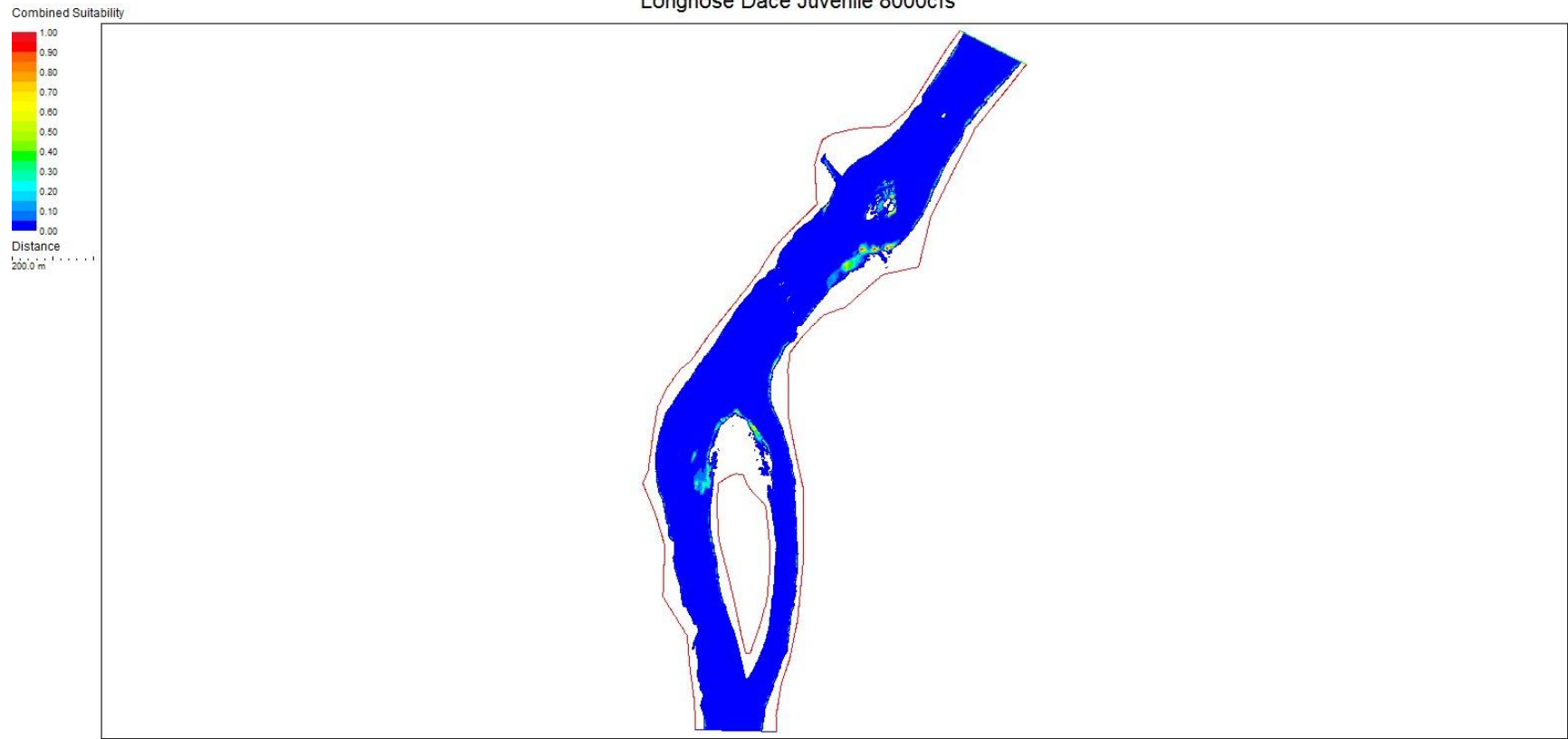


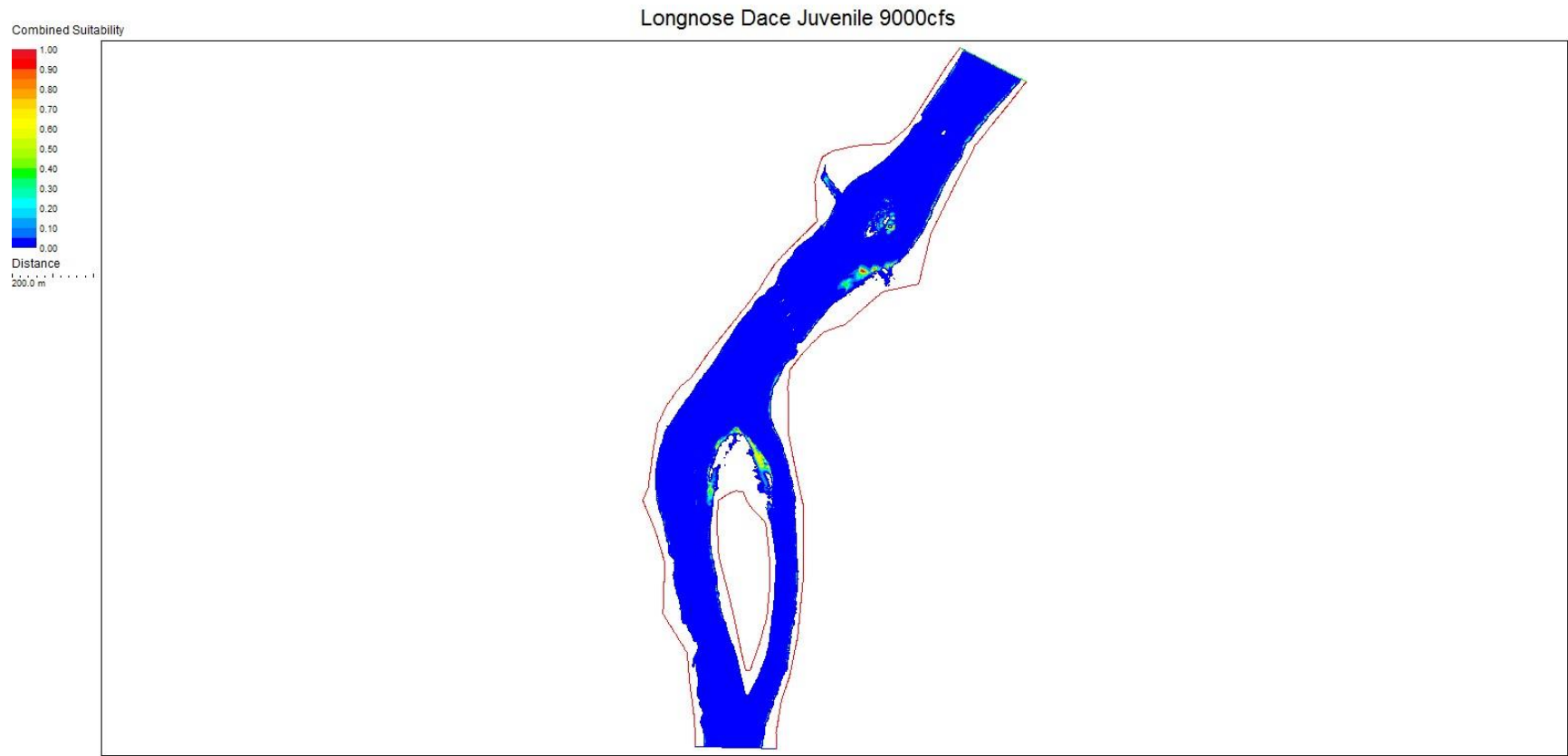
Longnose Dace Juvenile 6000cfs

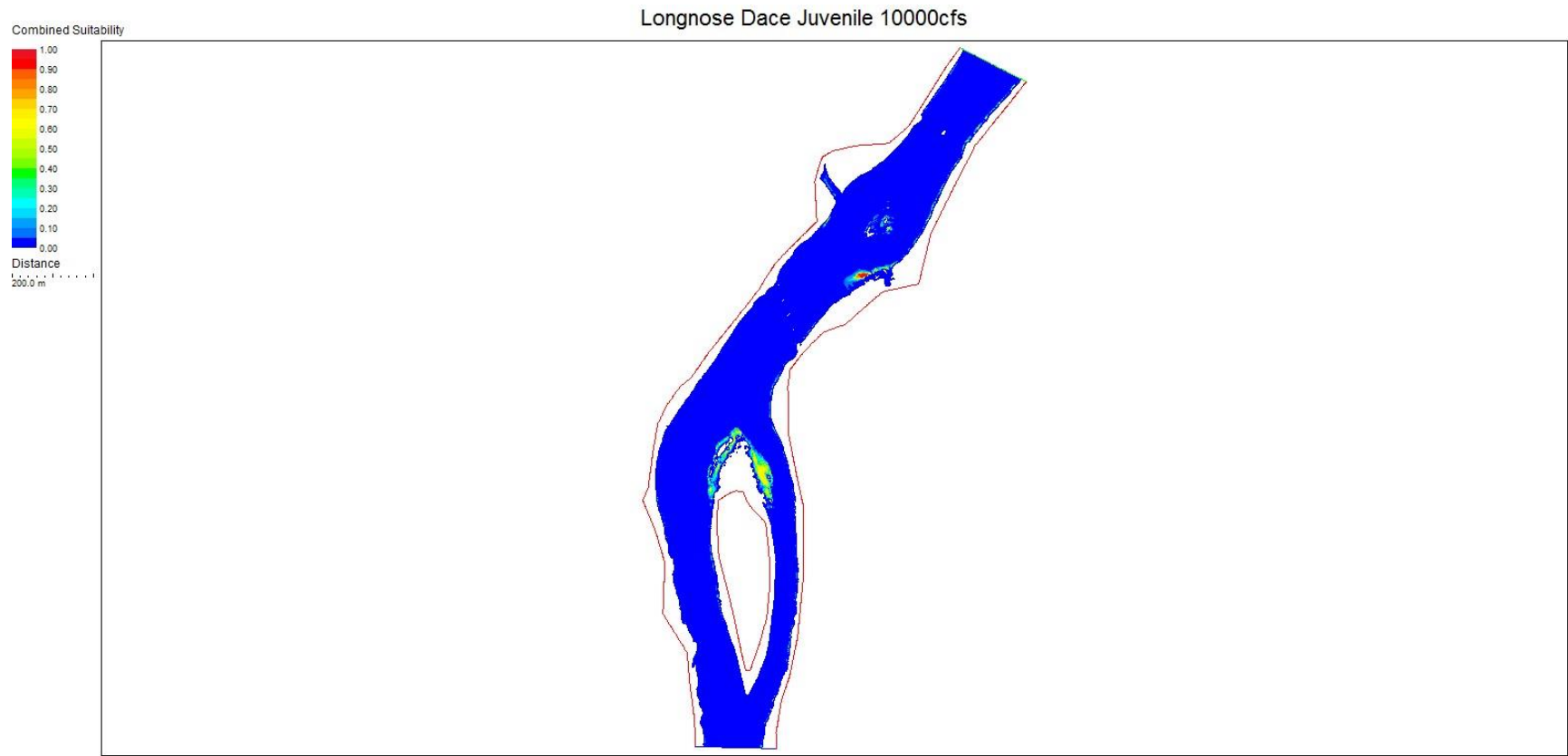


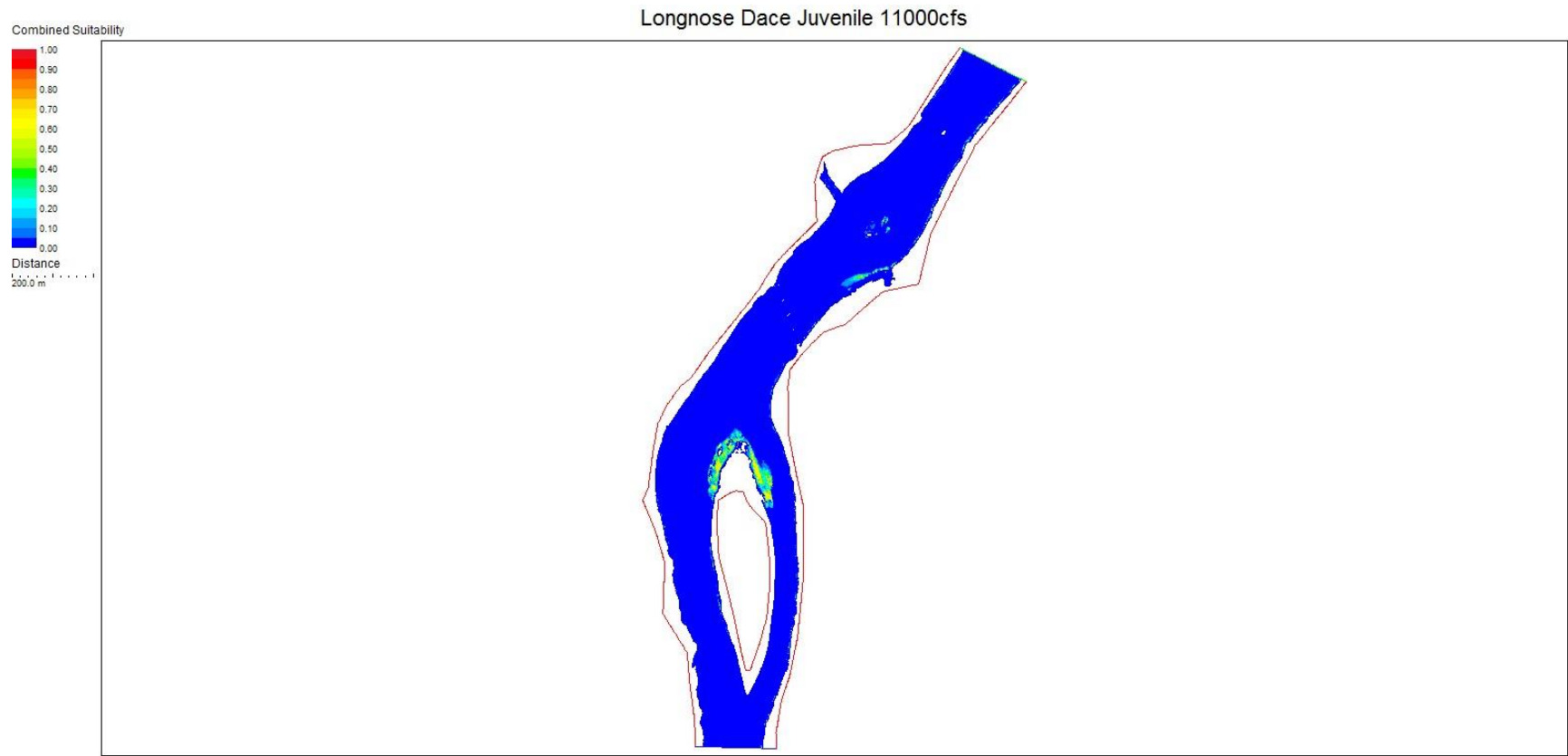


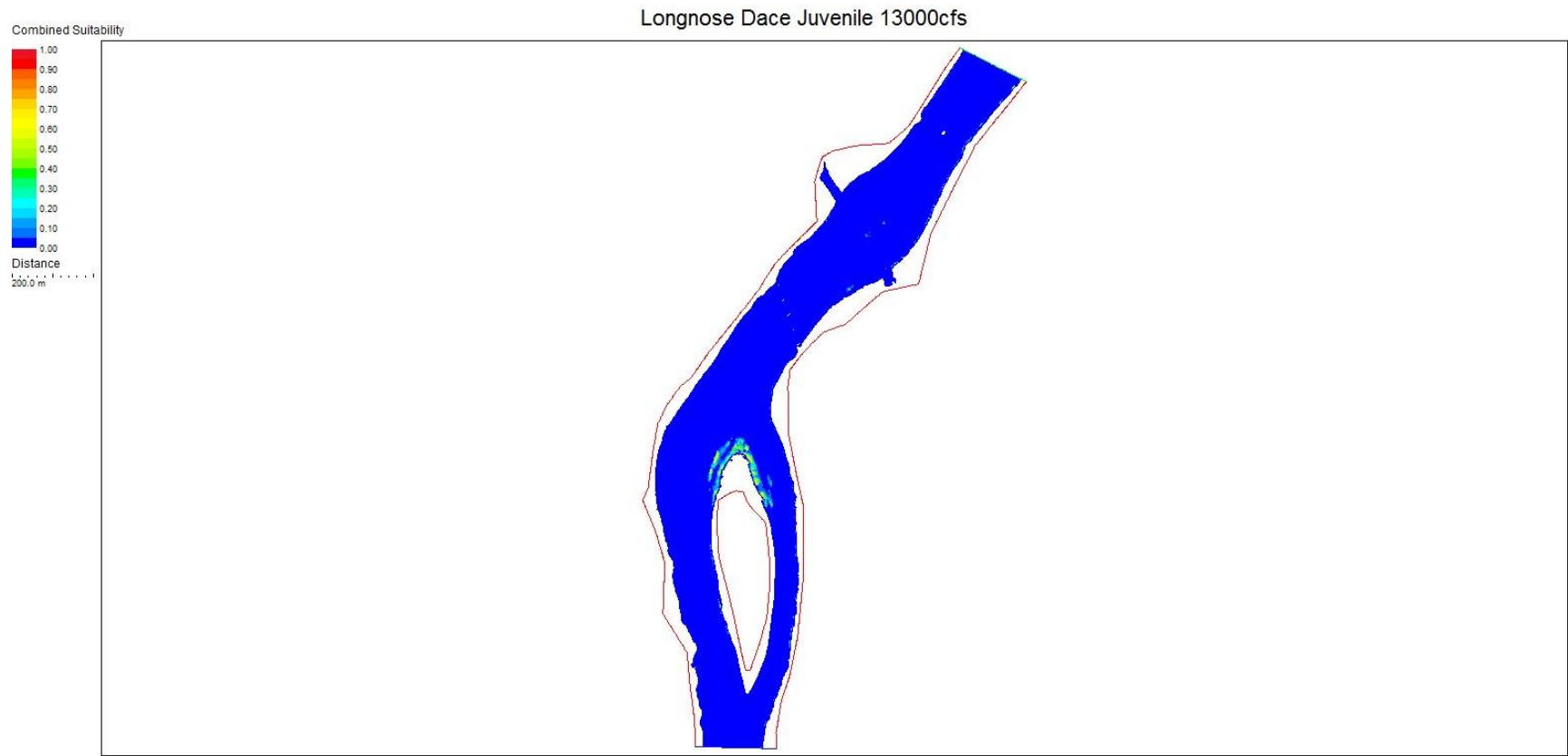
Longnose Dace Juvenile 8000cfs

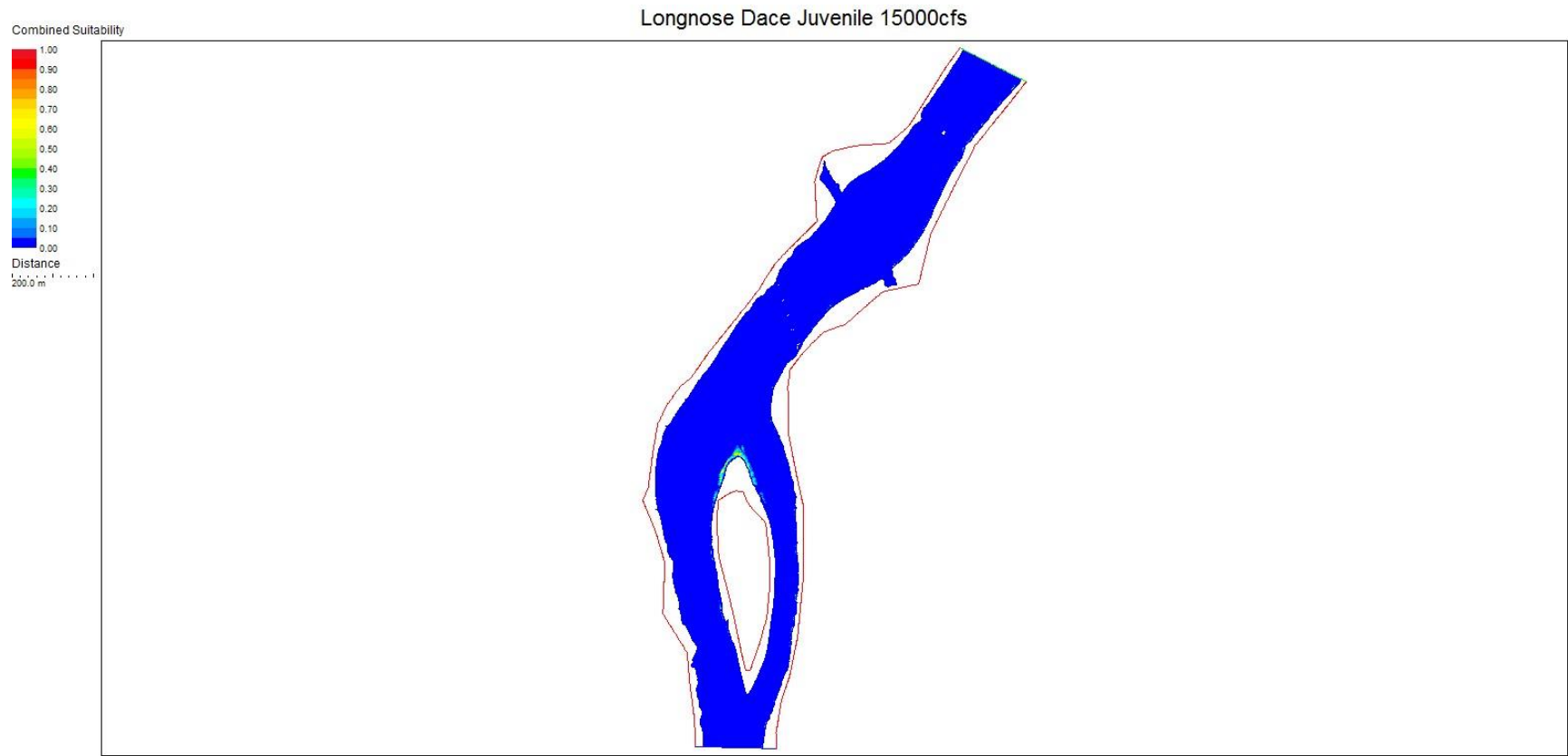


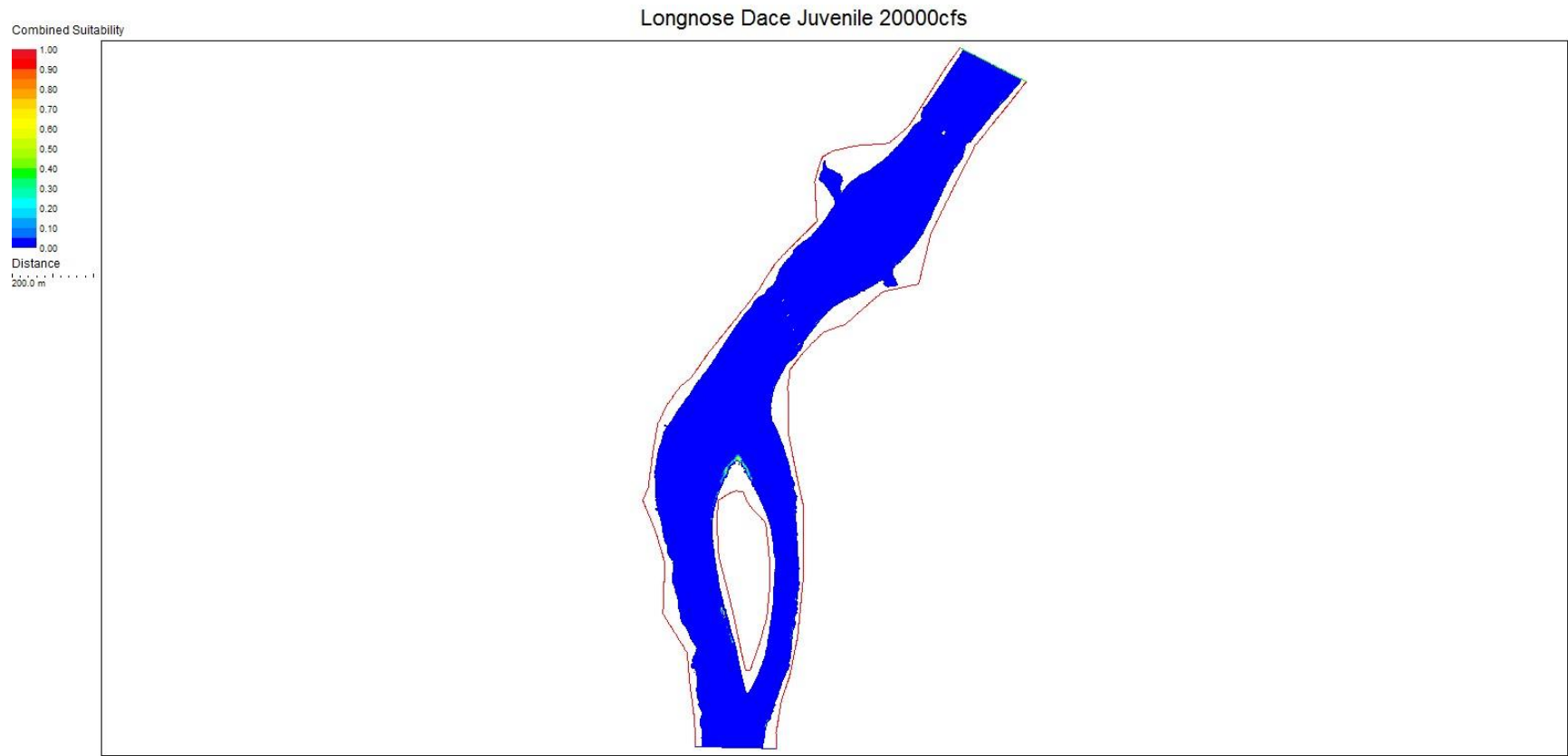


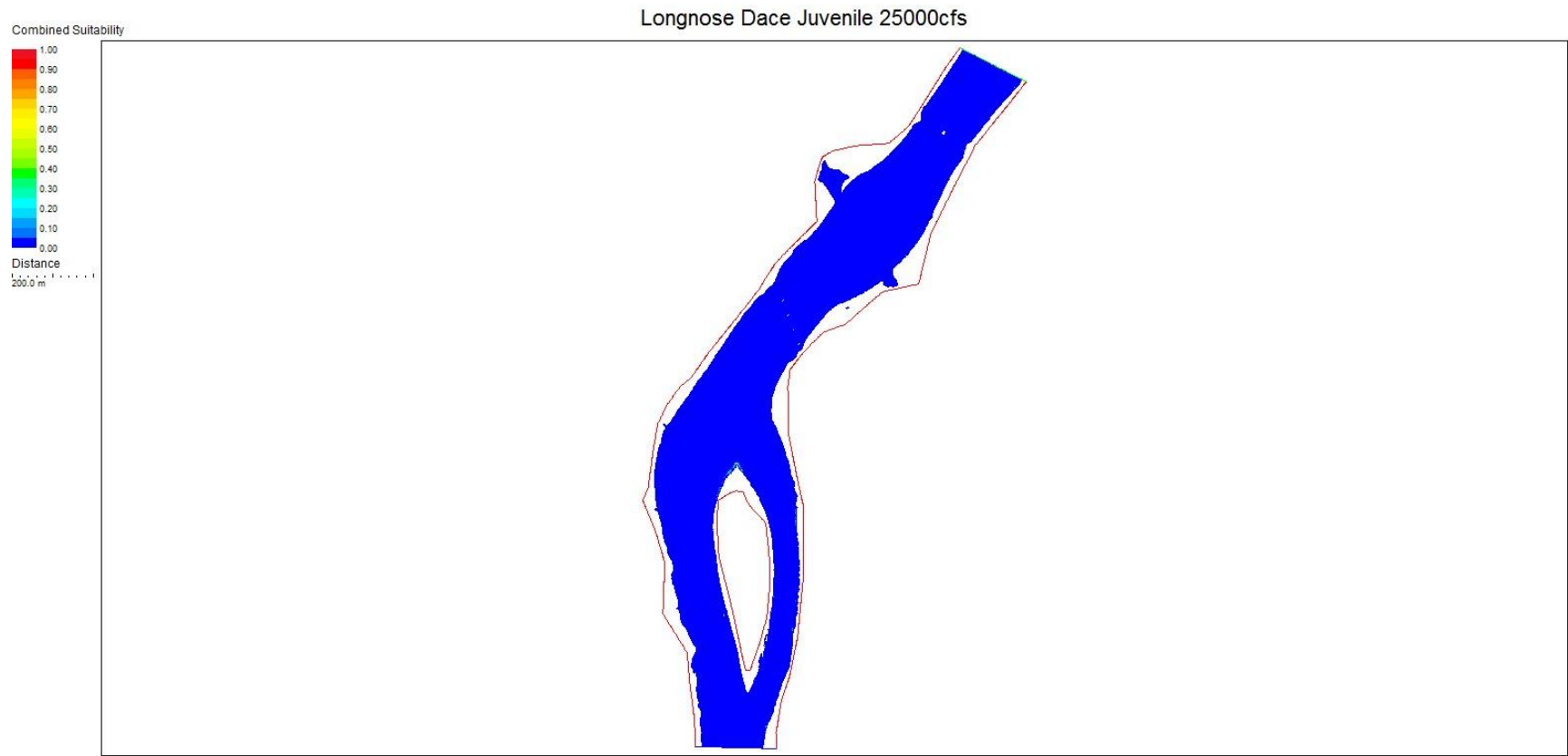


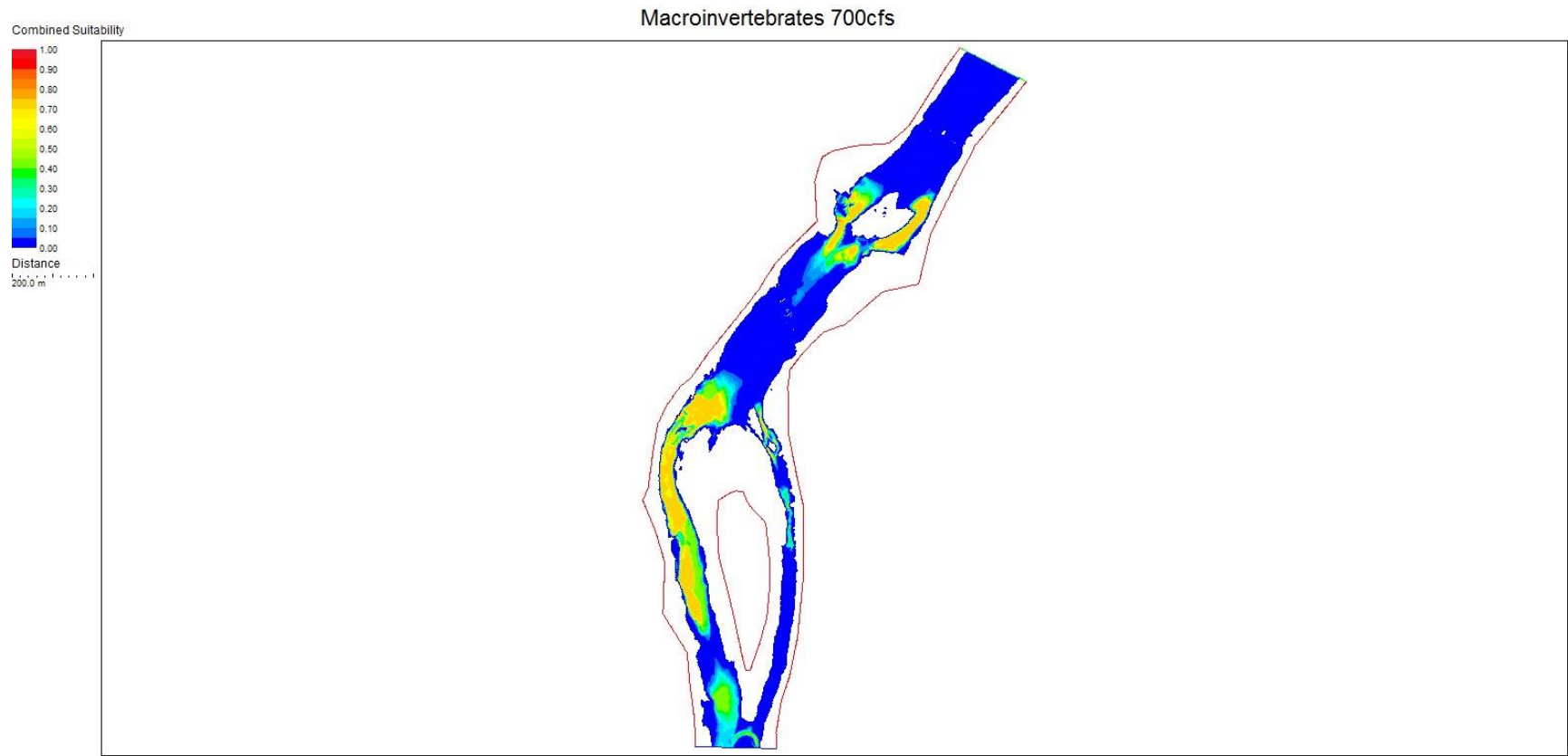


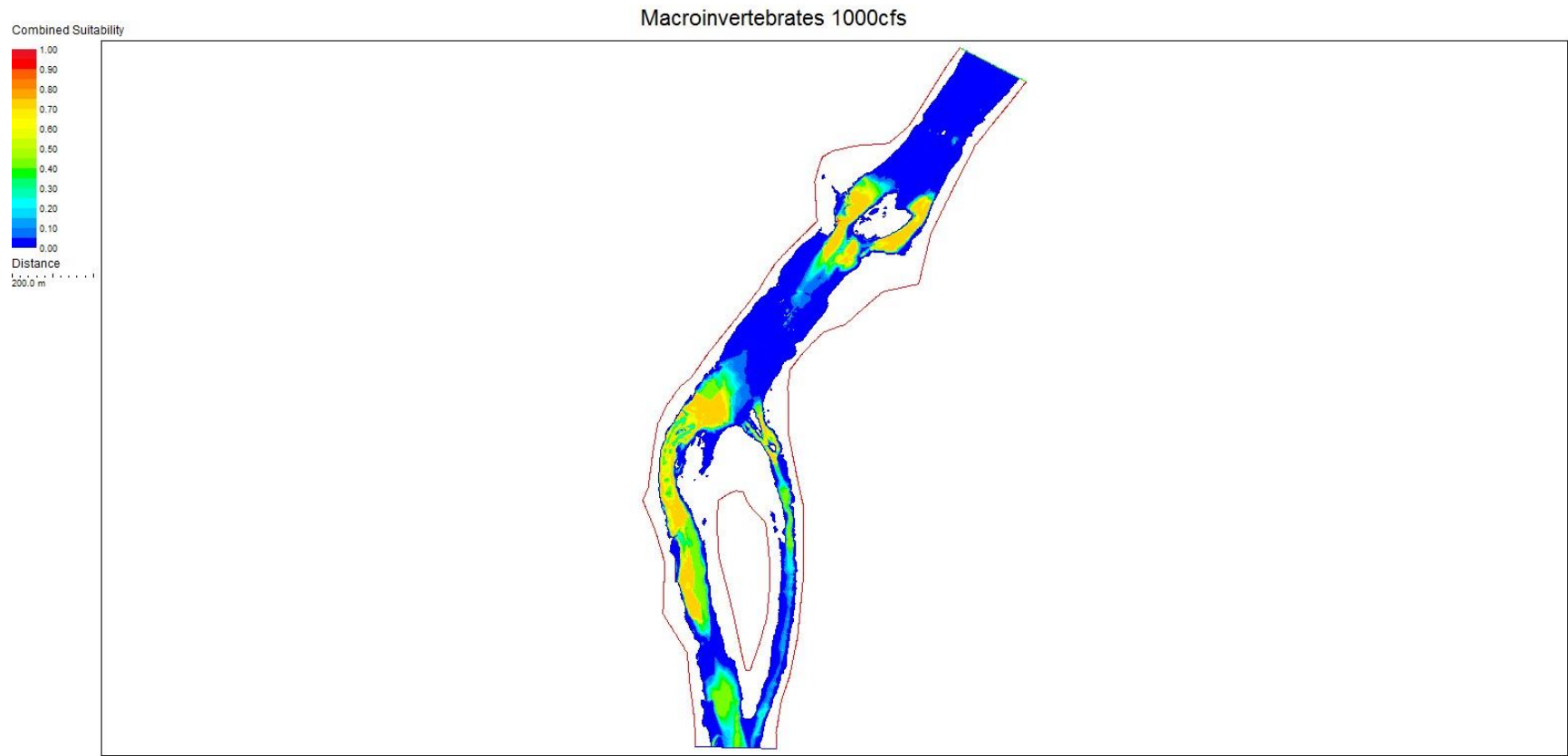


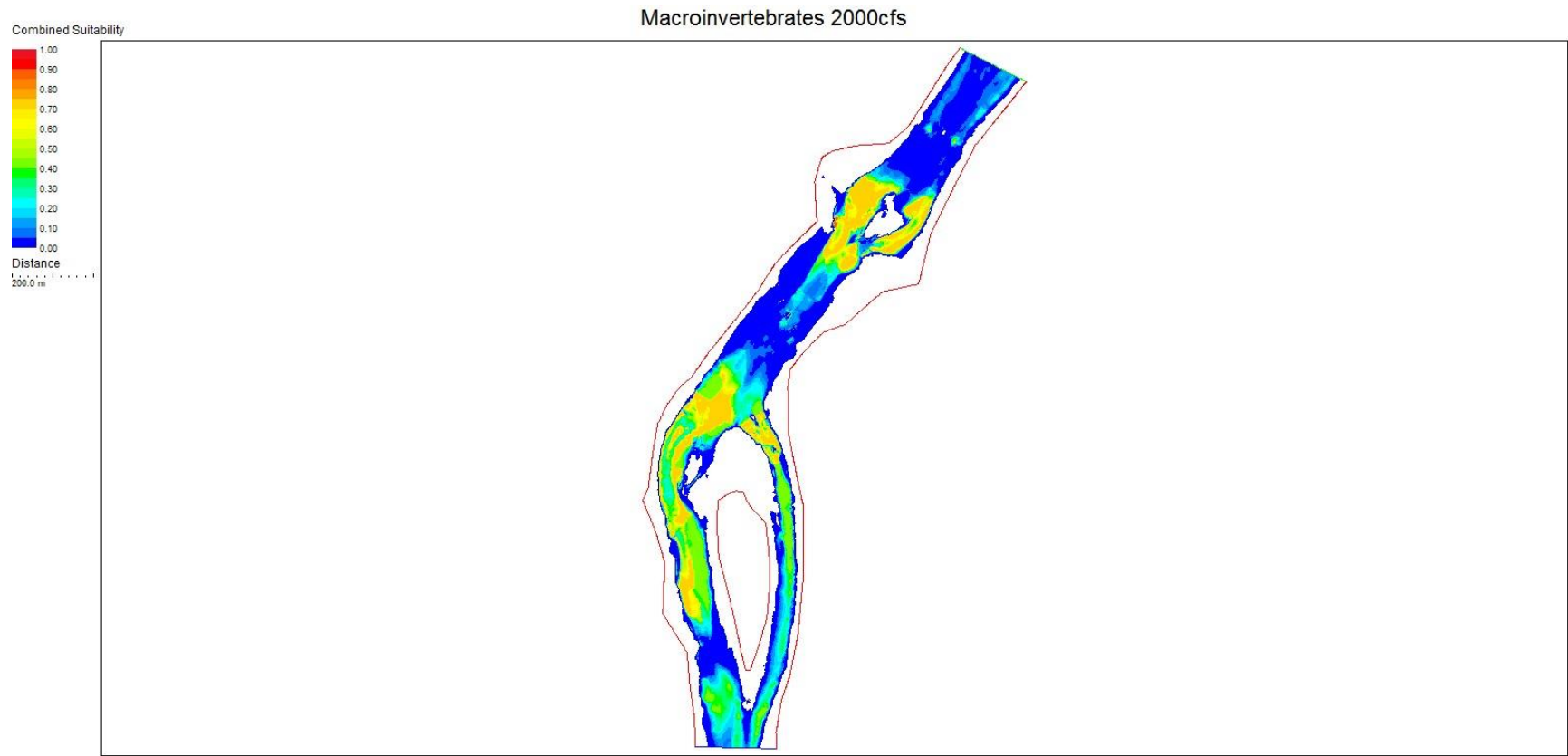


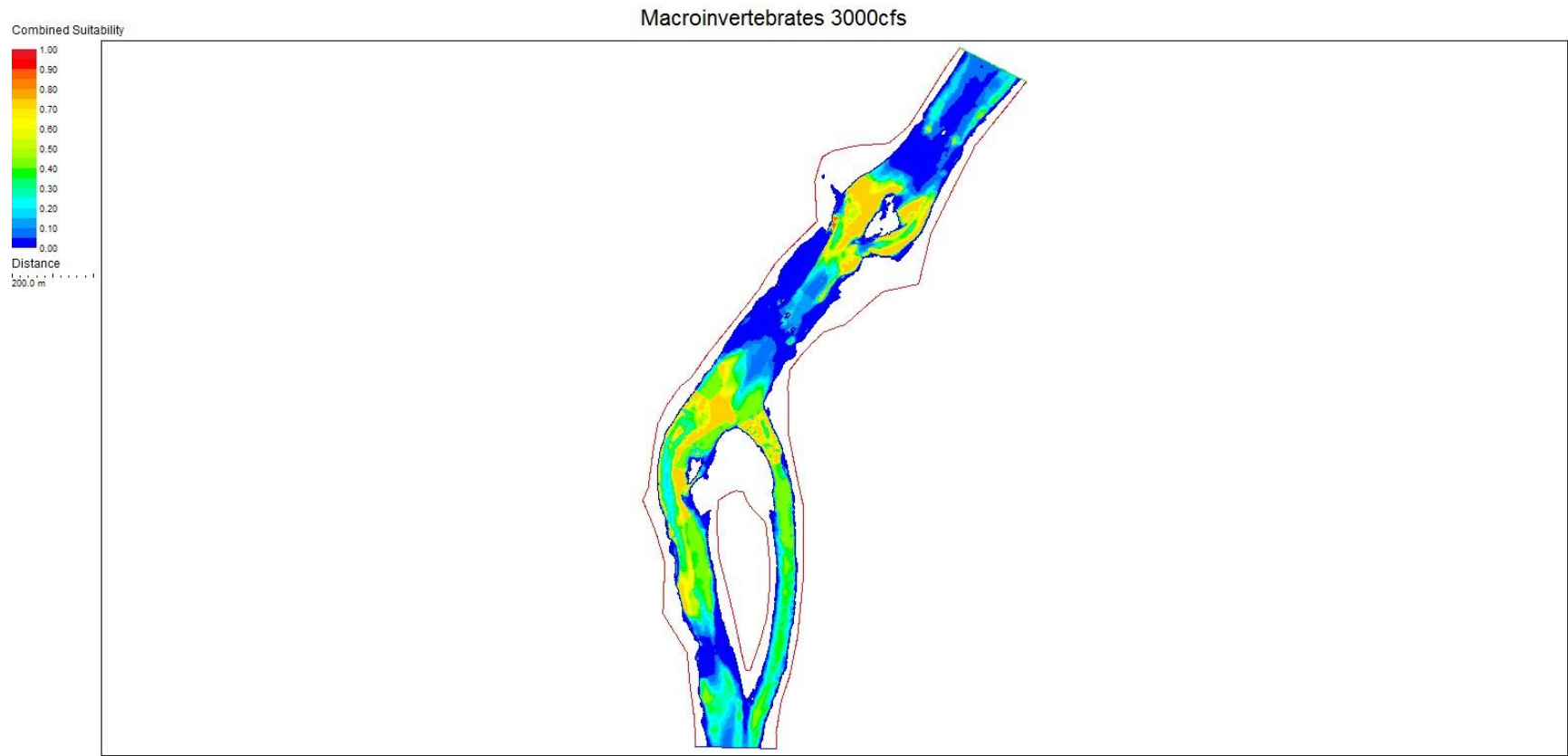


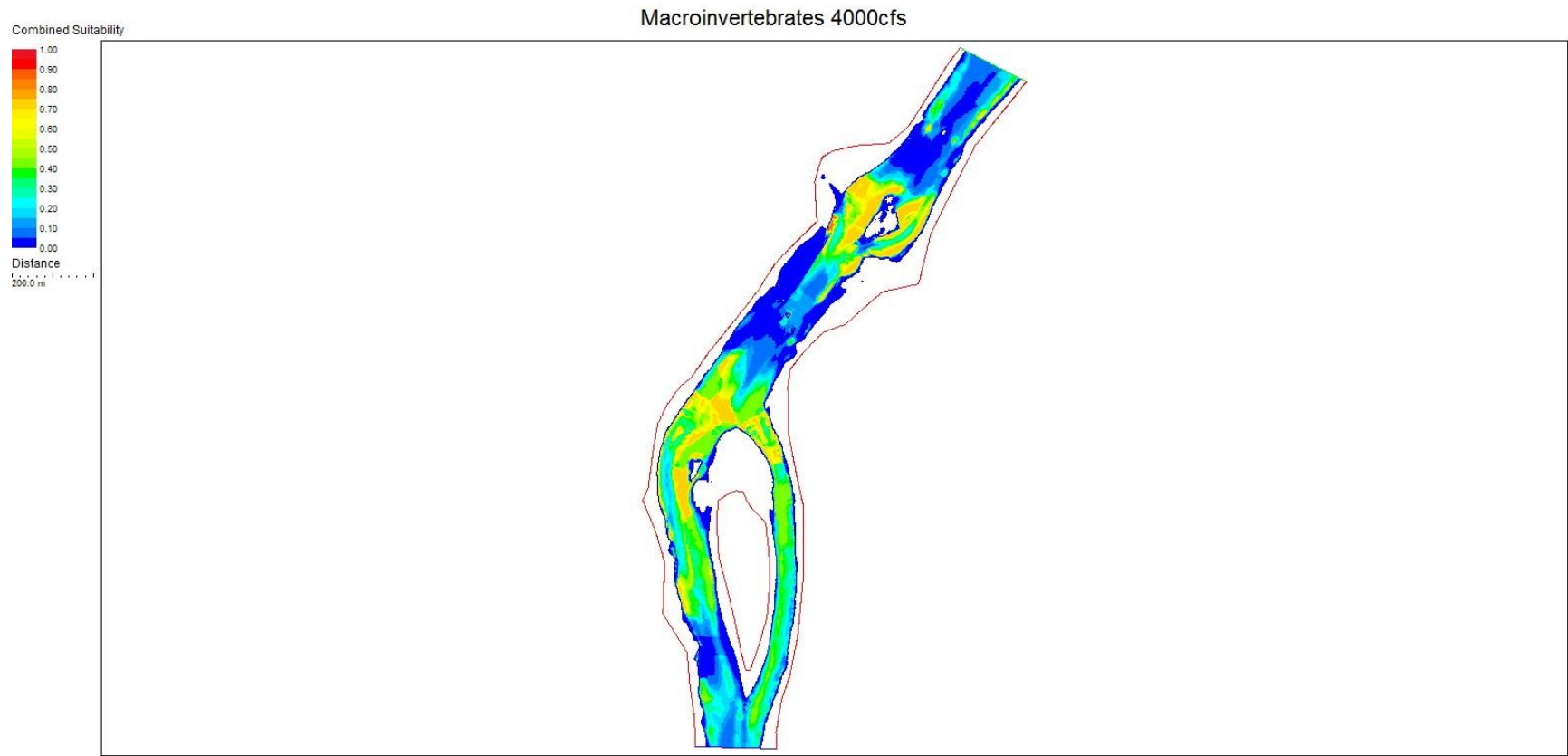


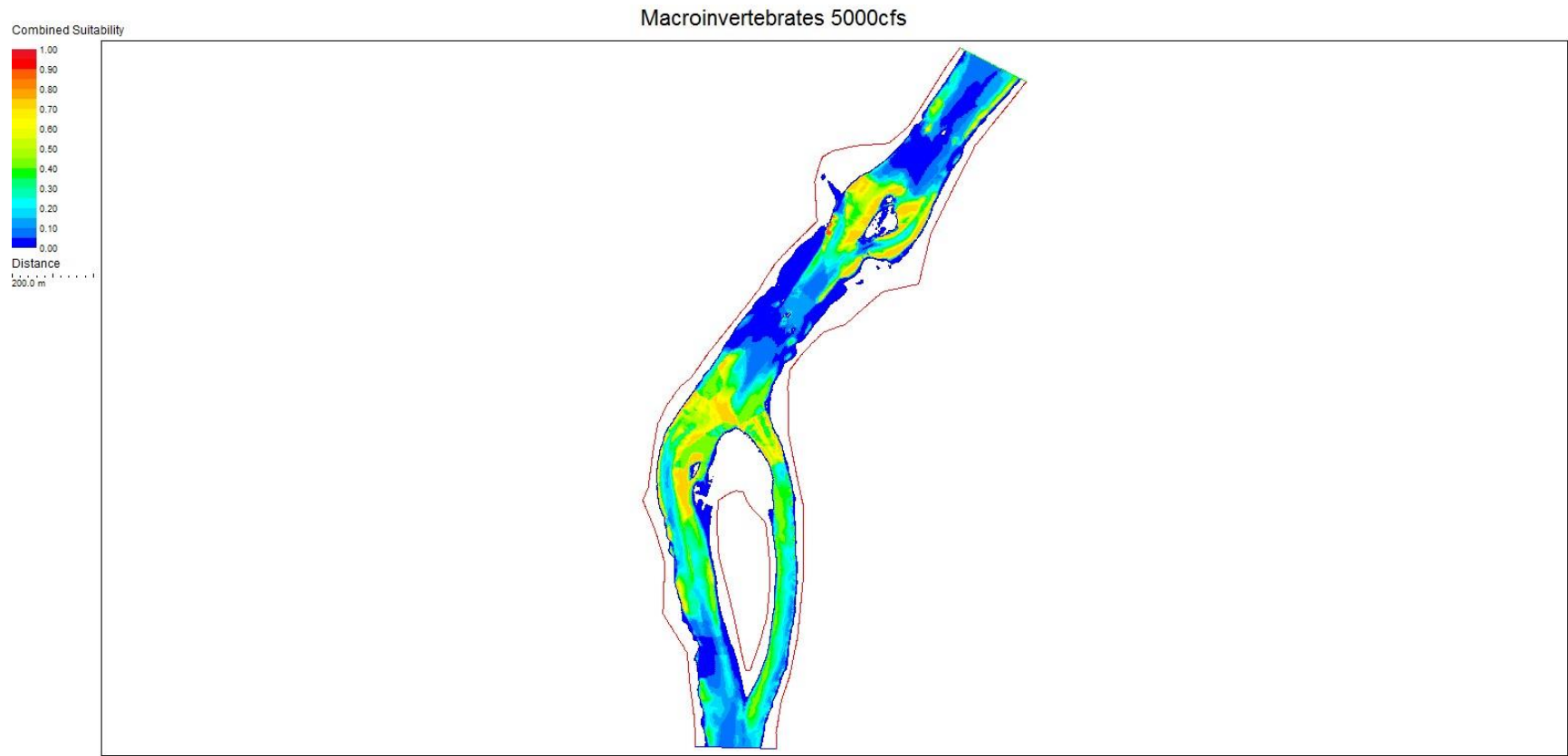


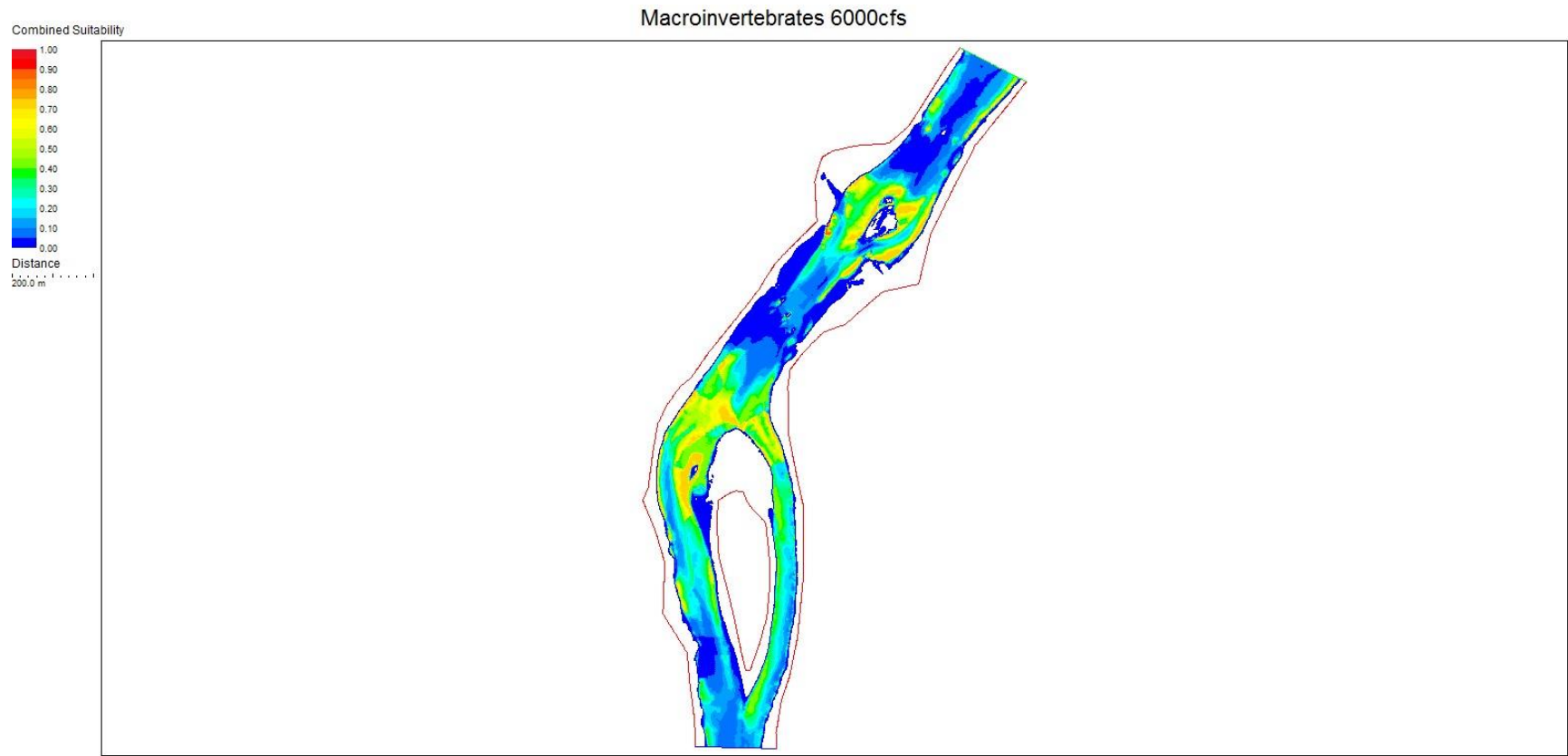


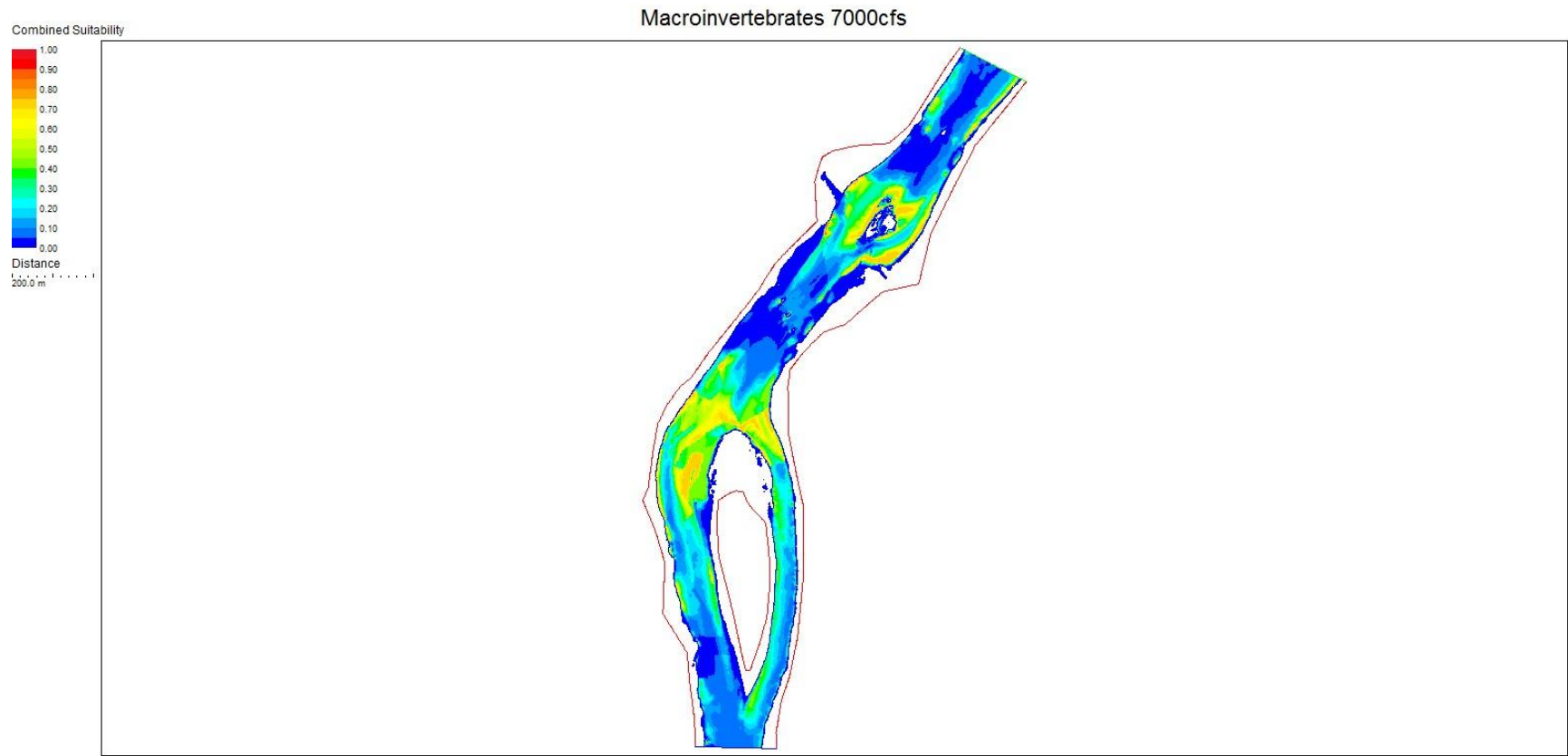


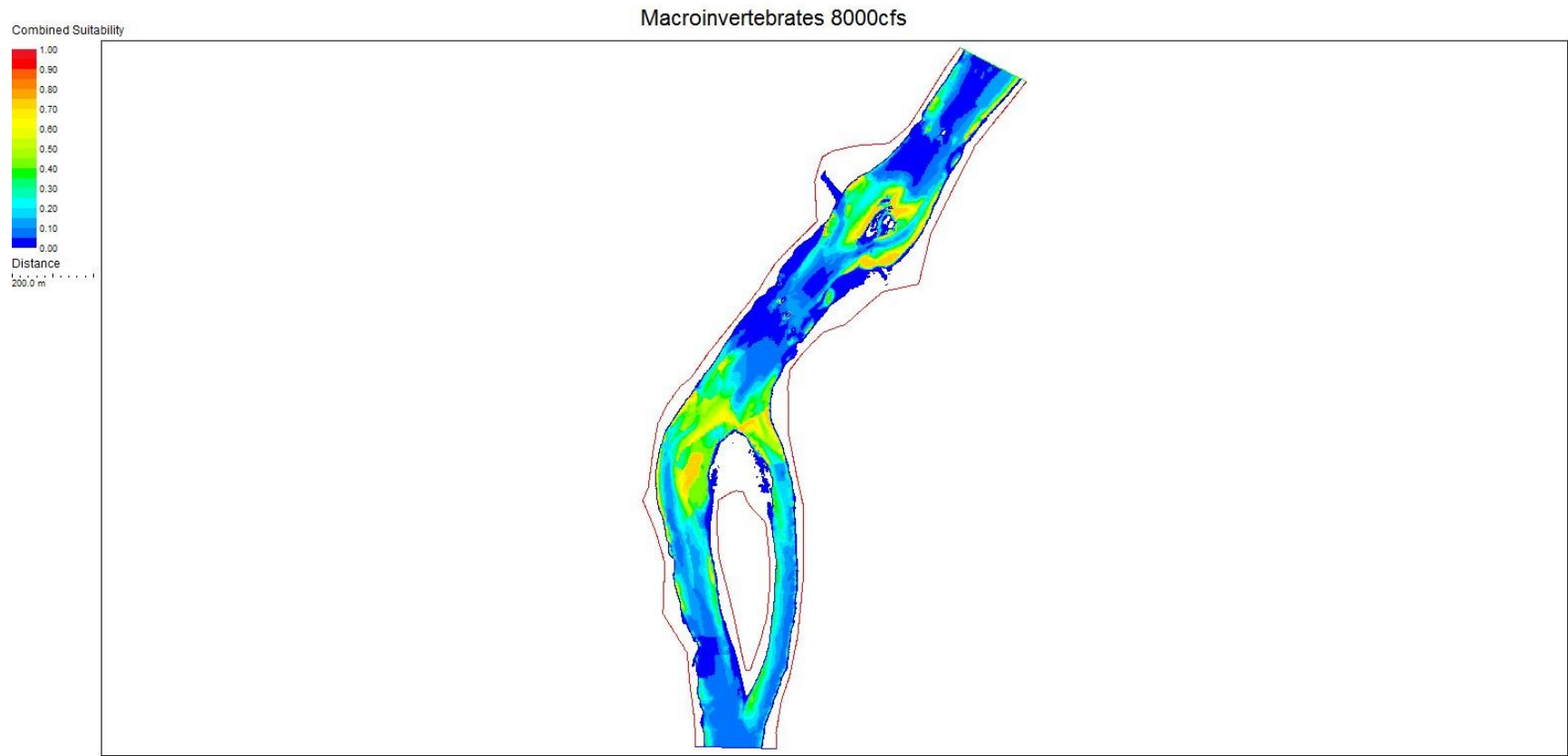


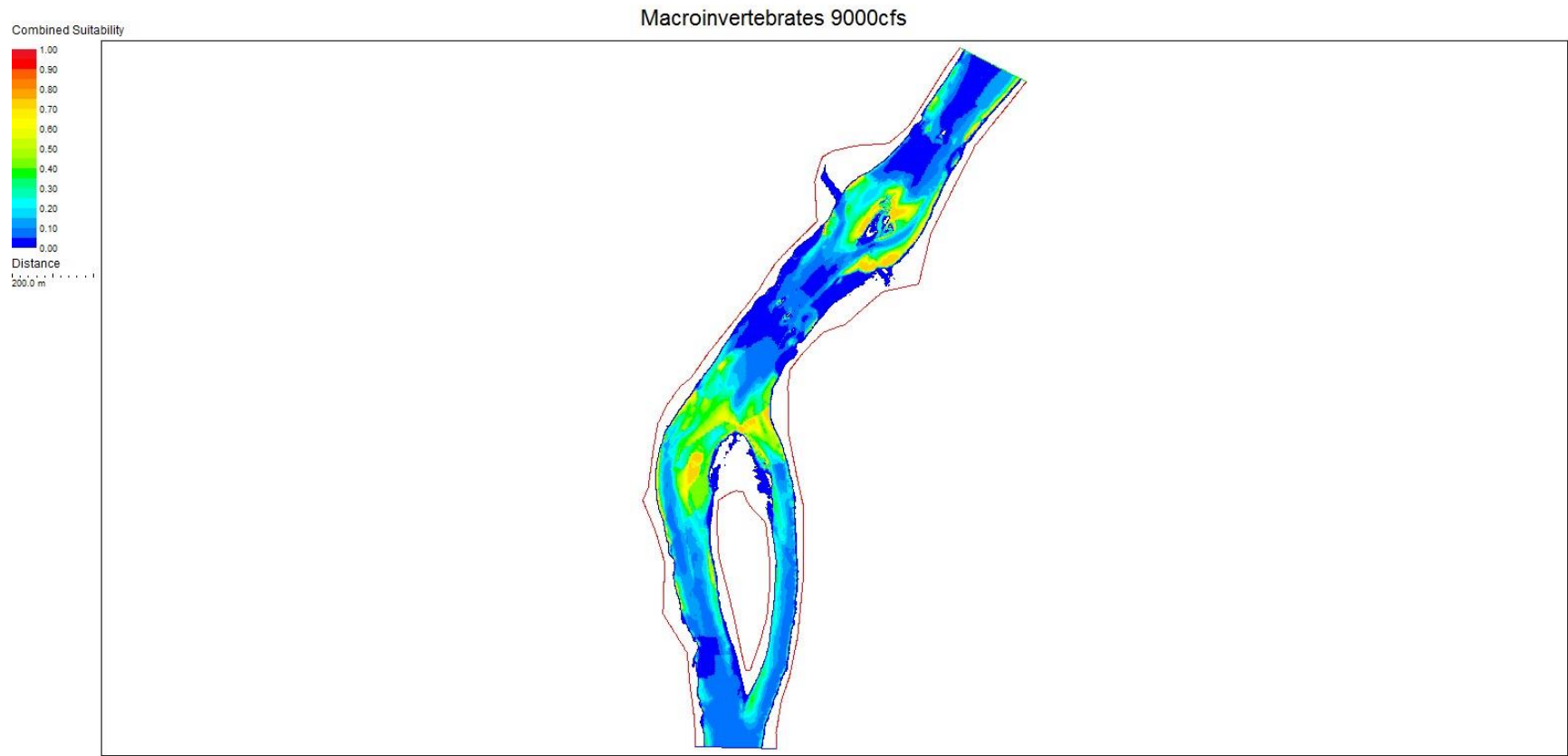


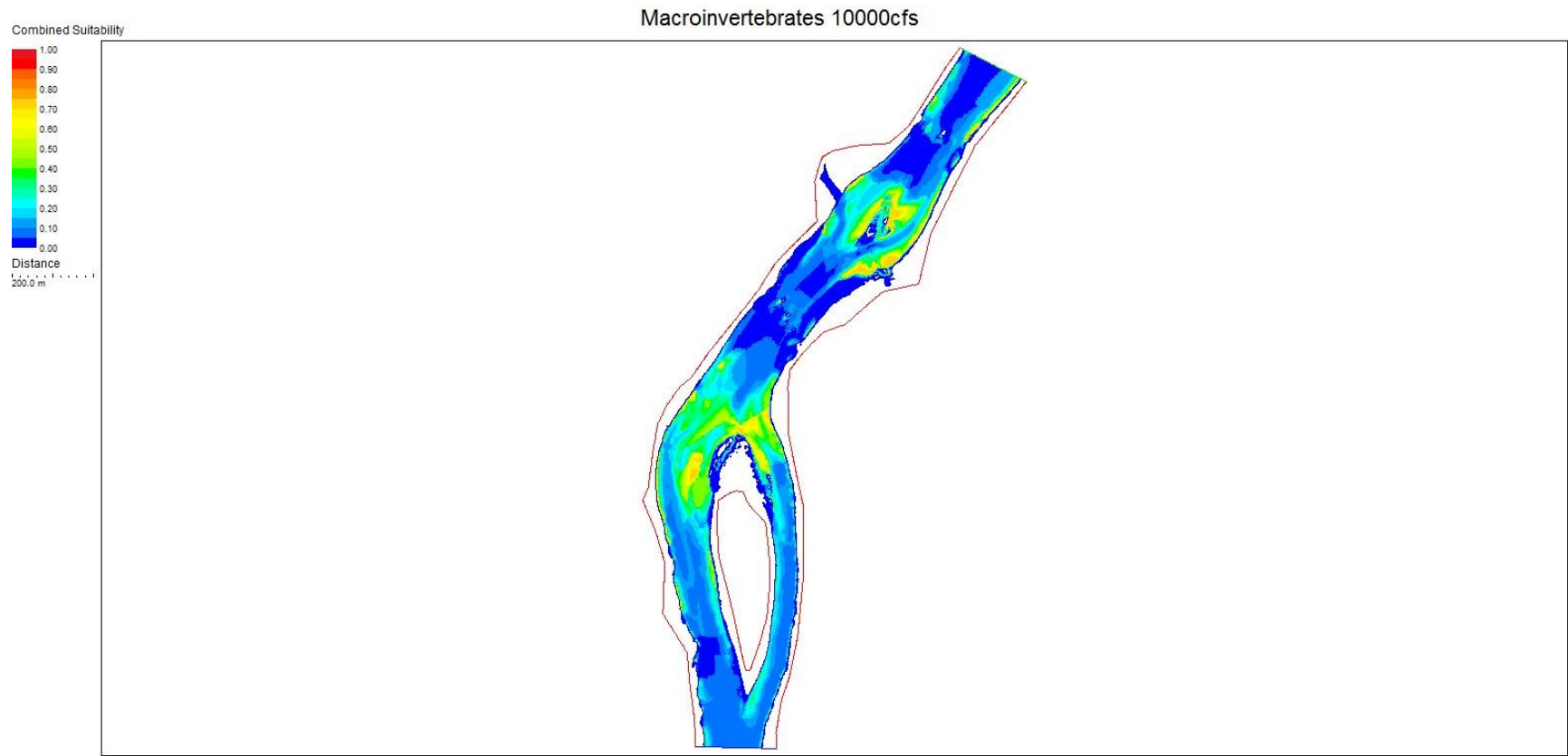


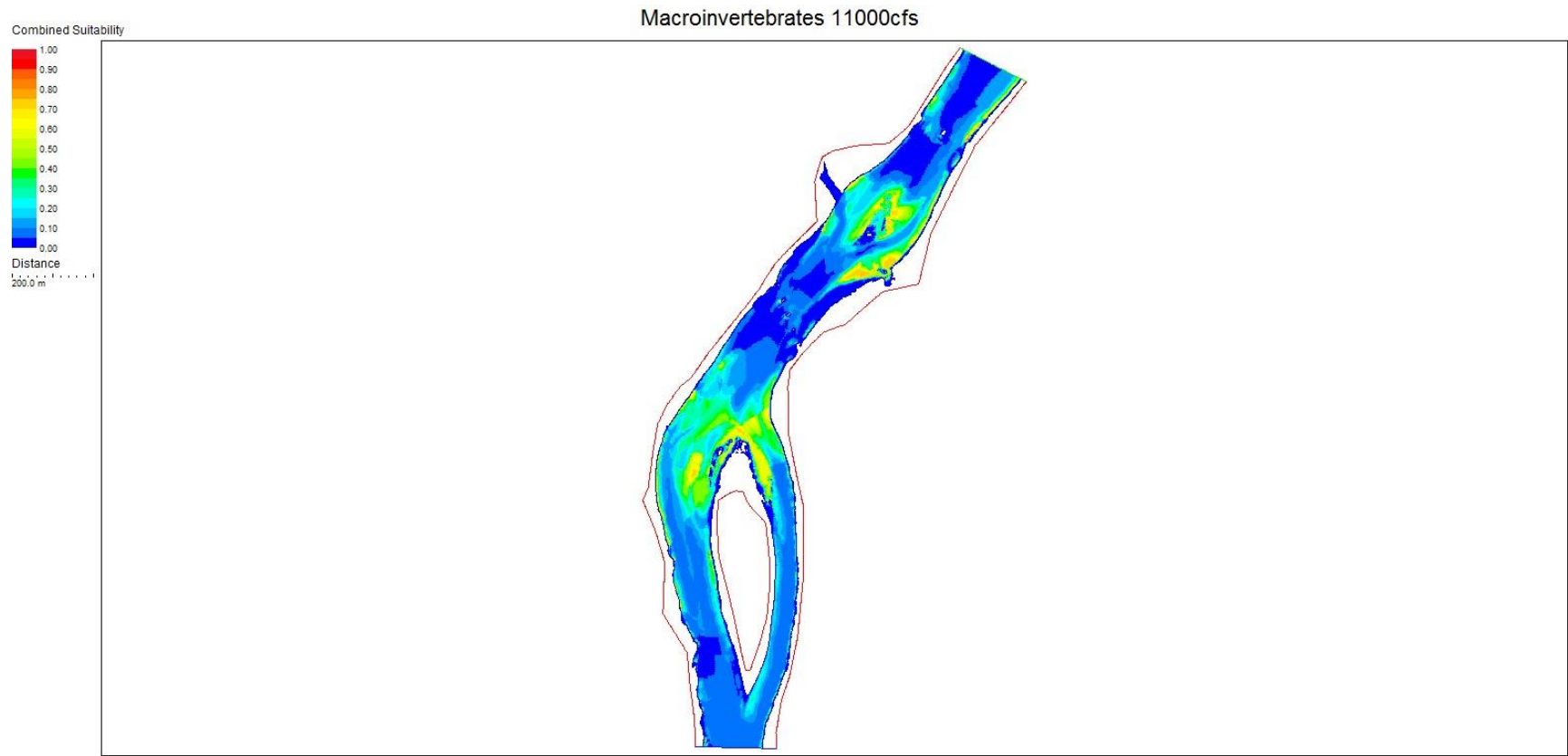


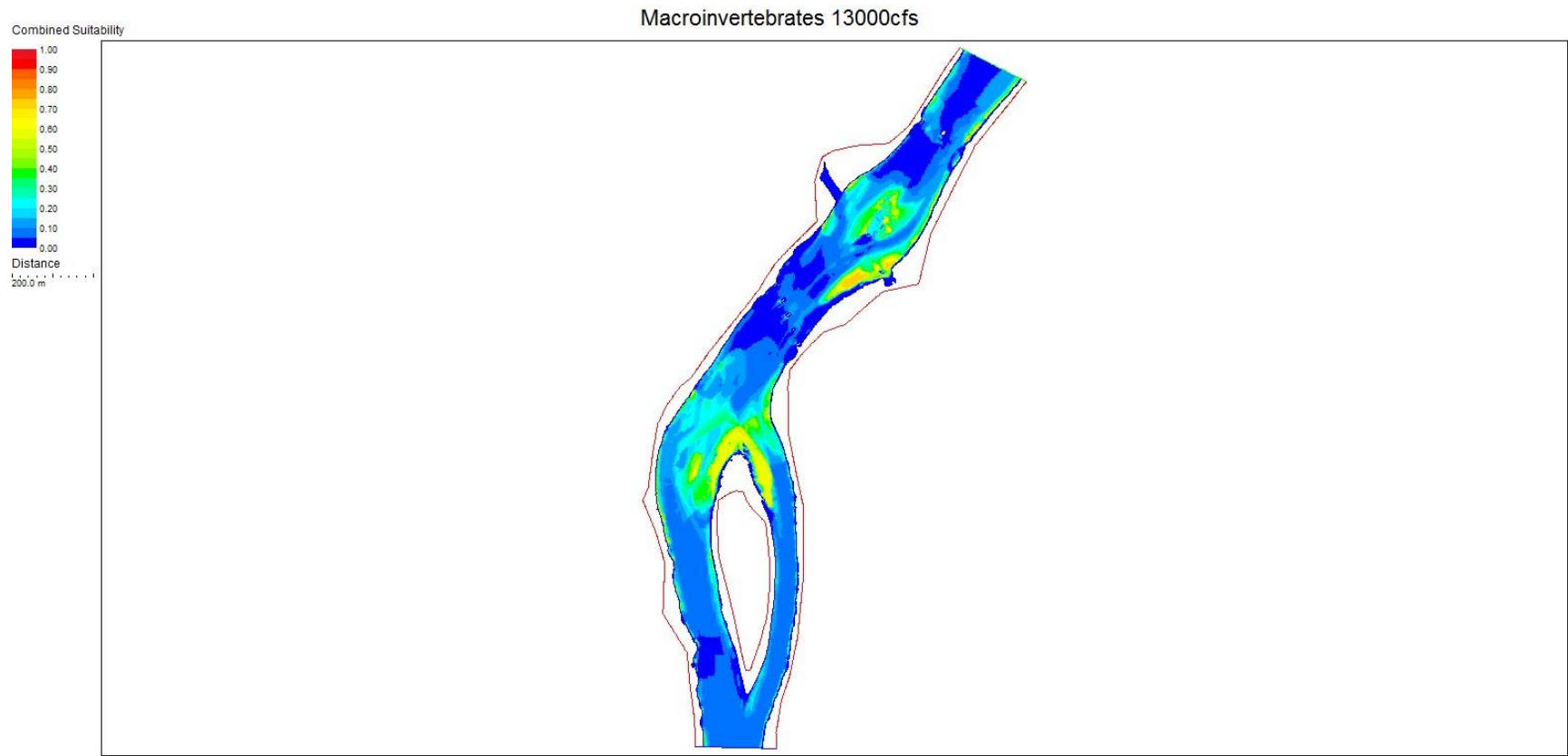


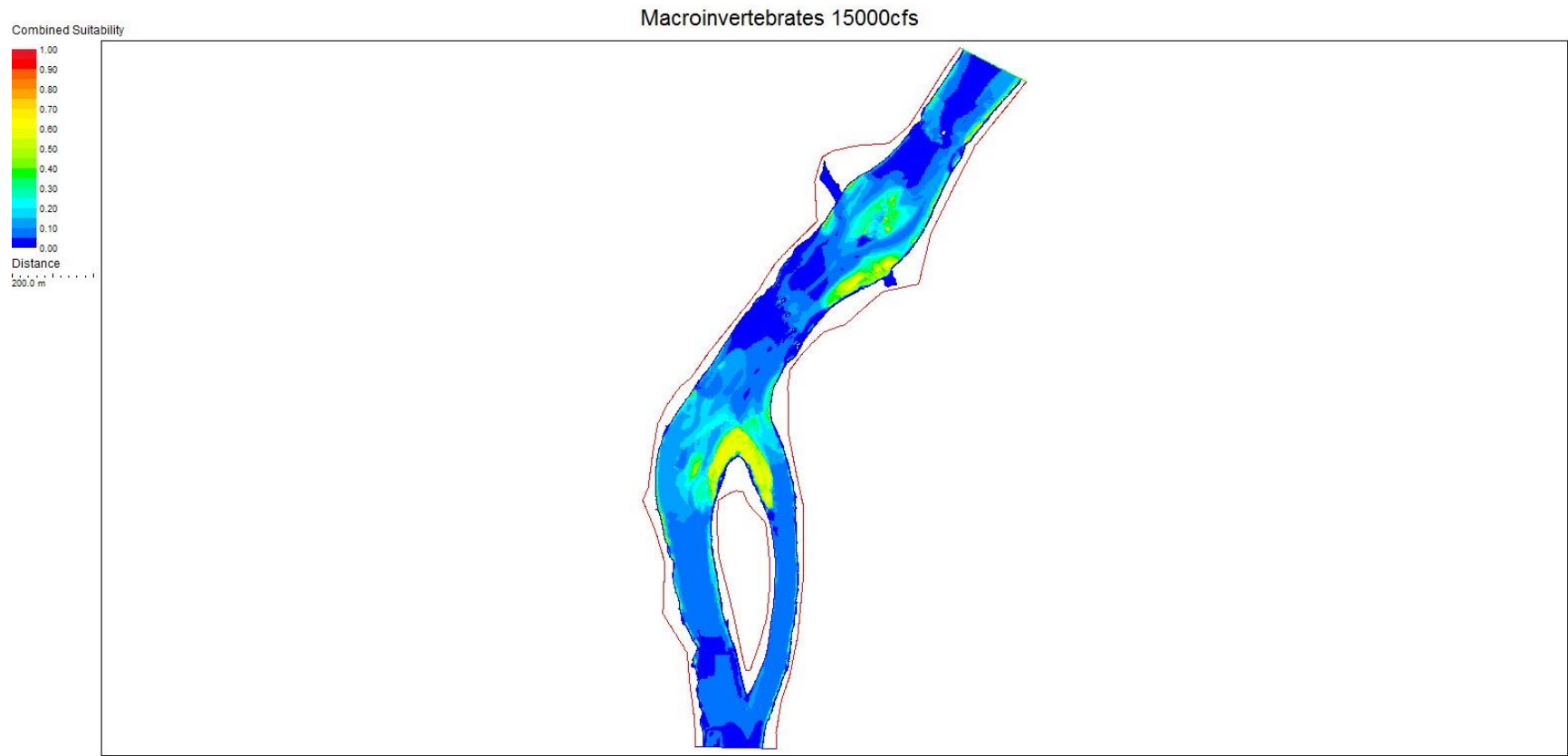


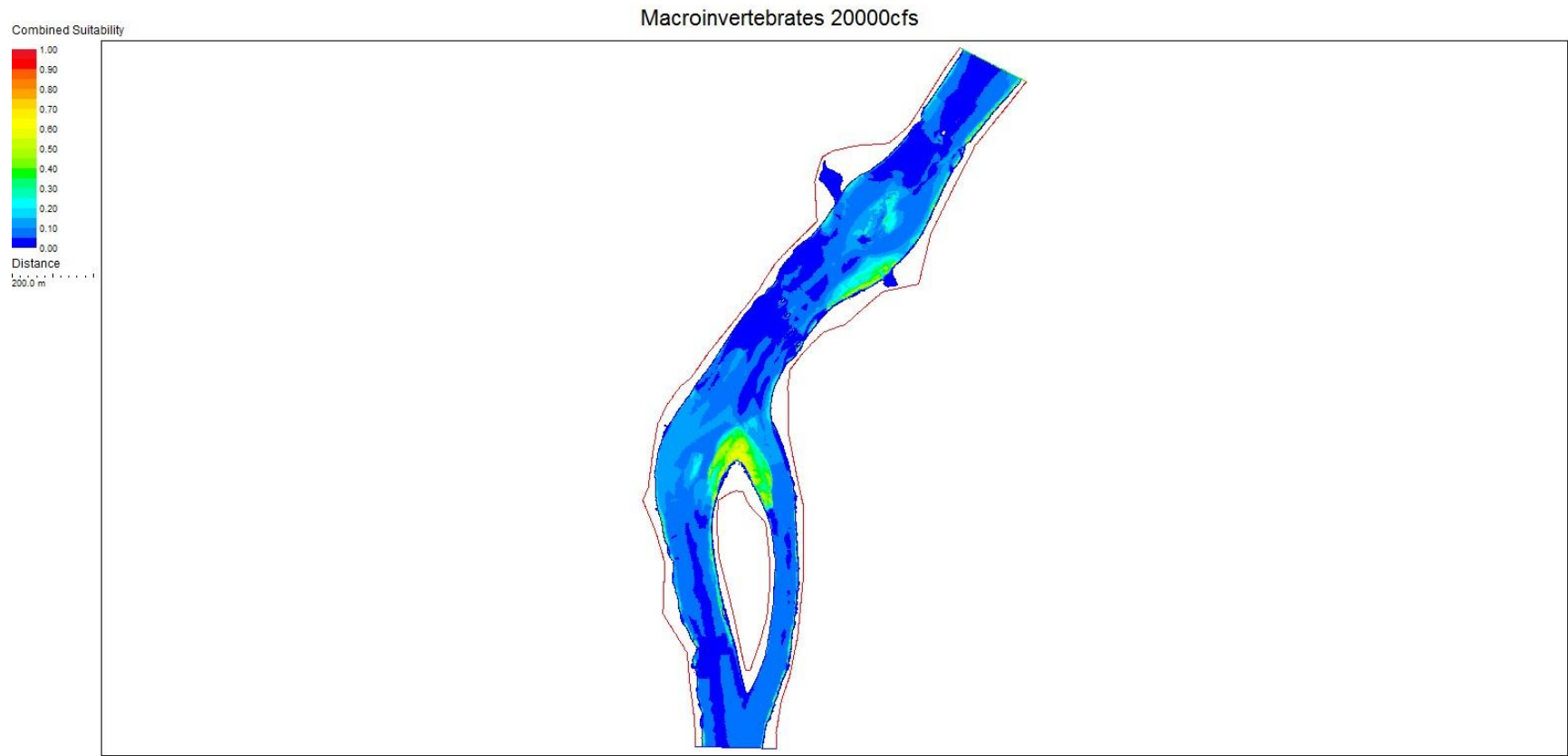


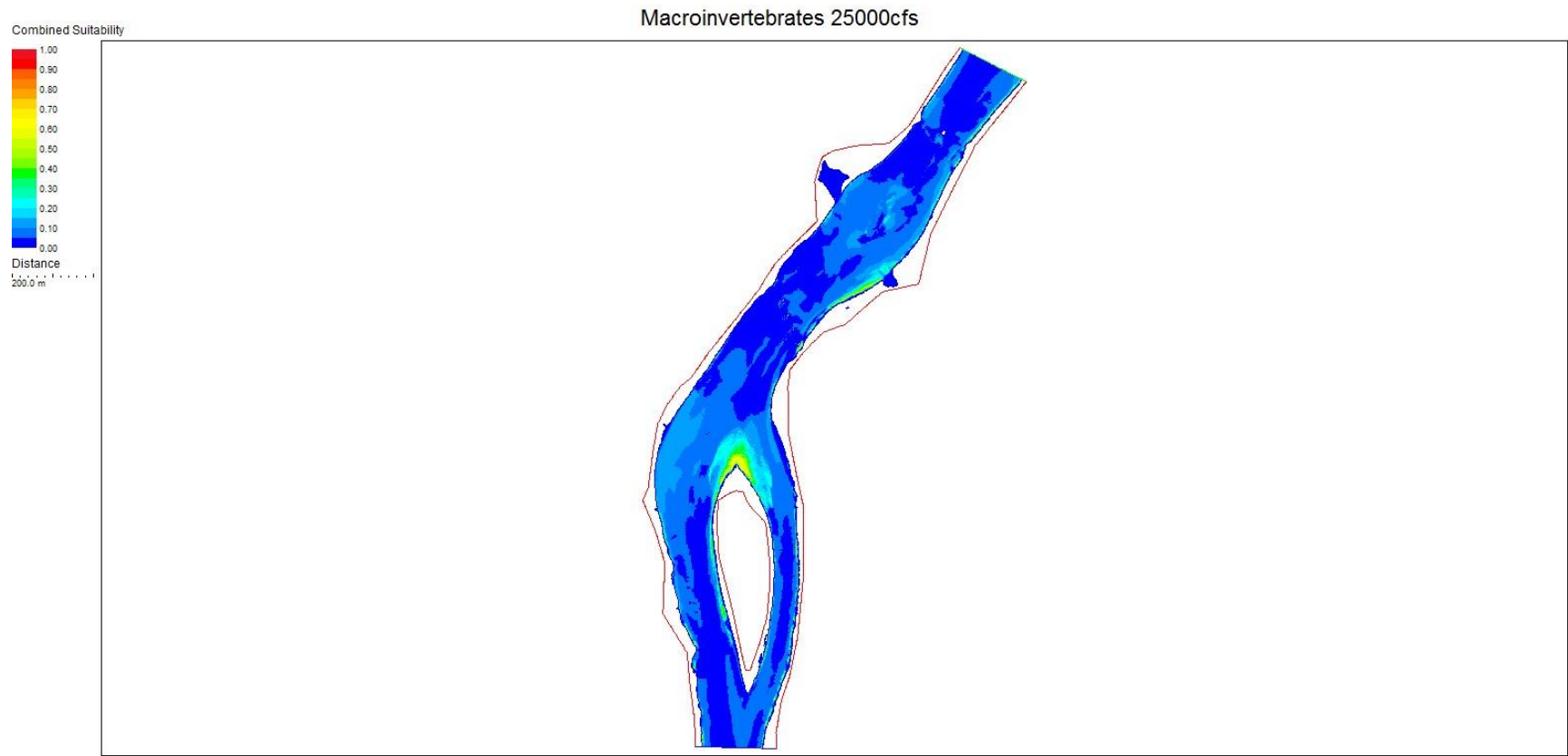


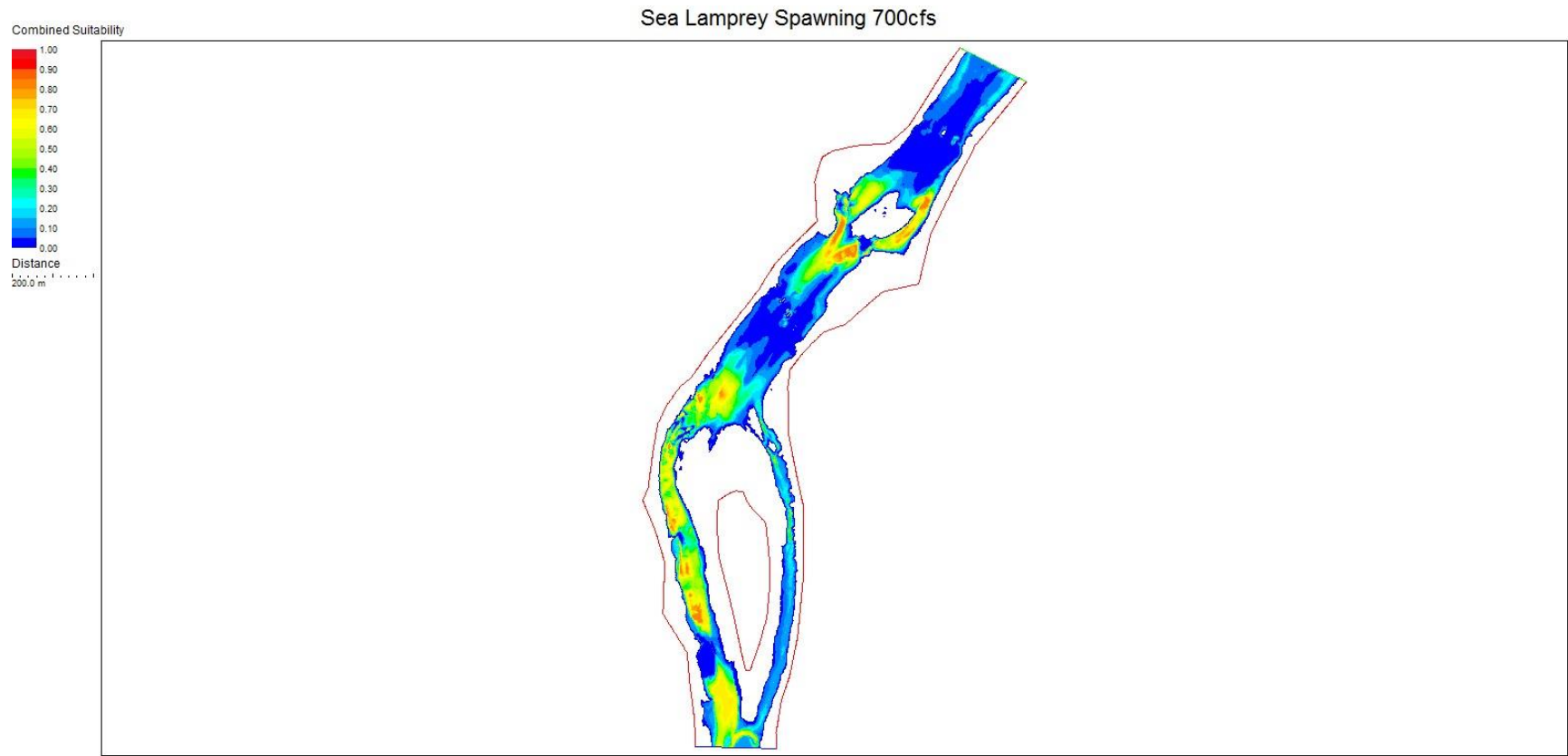


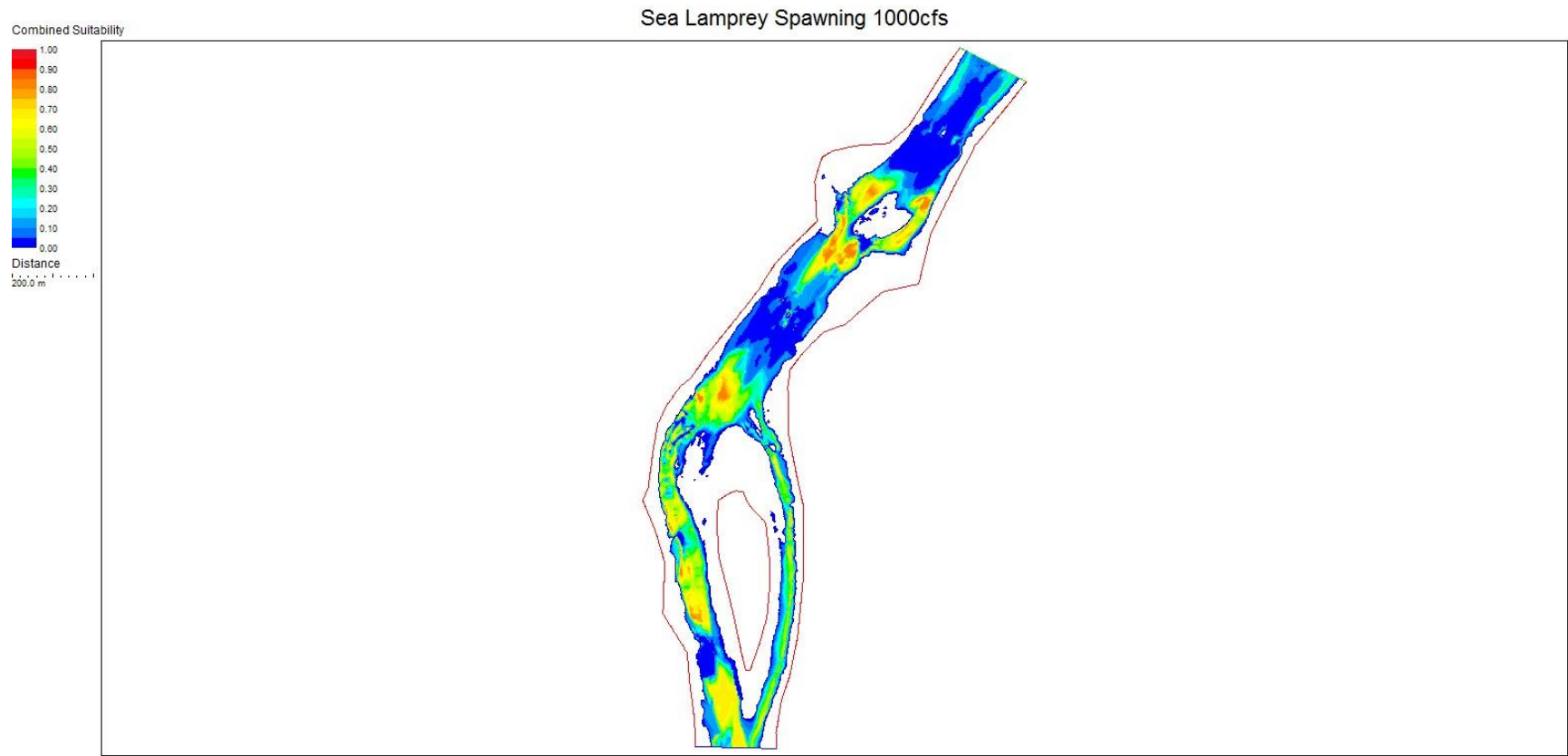


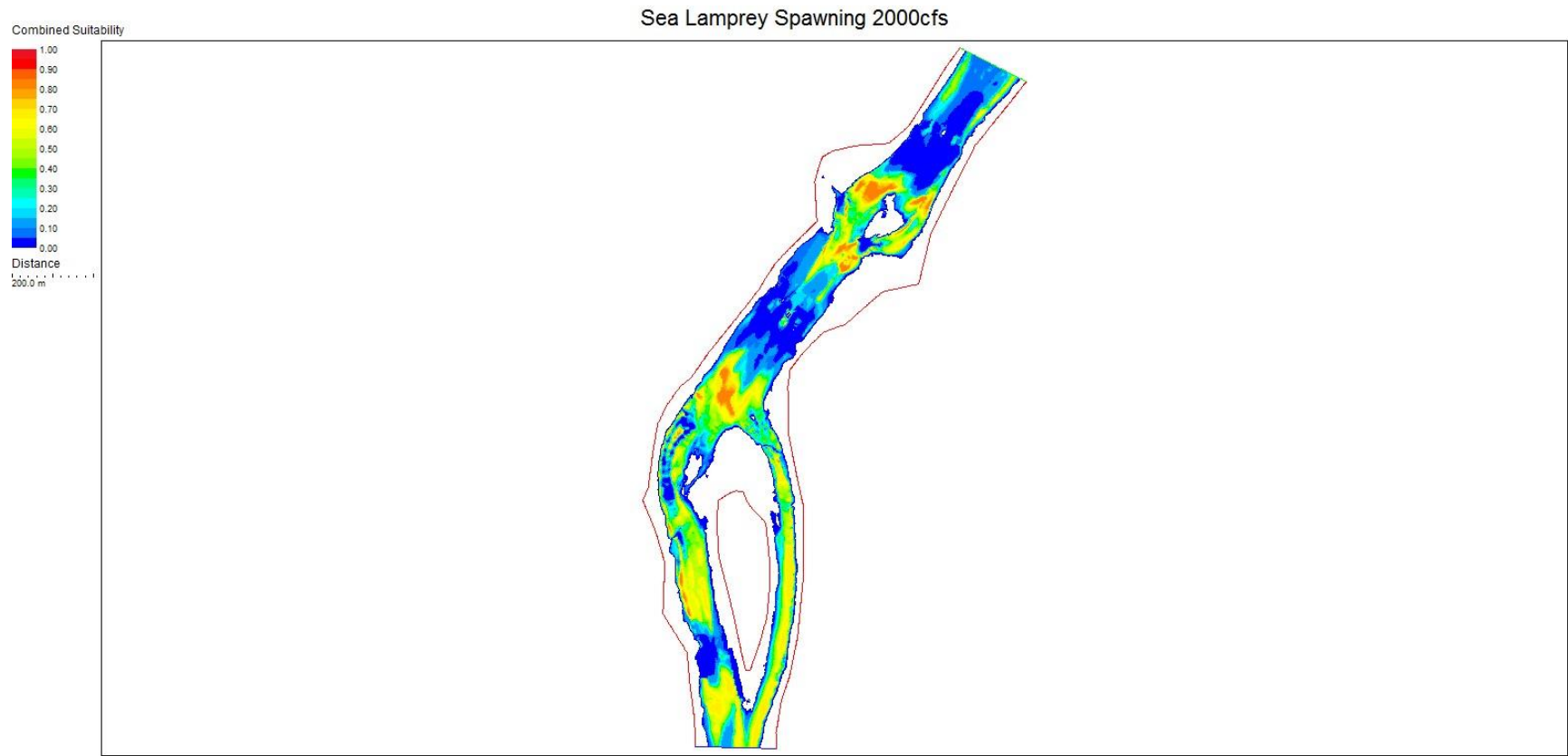


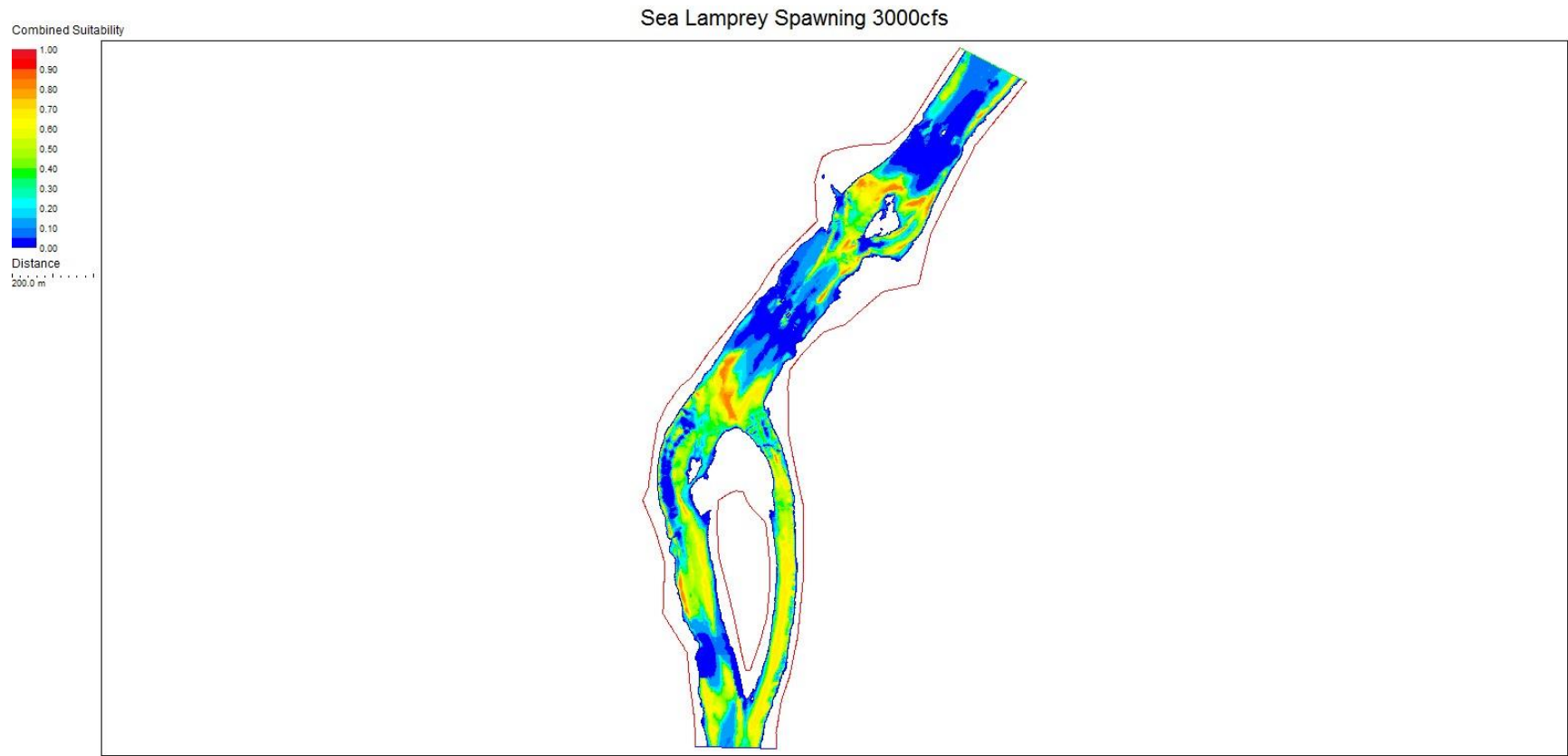


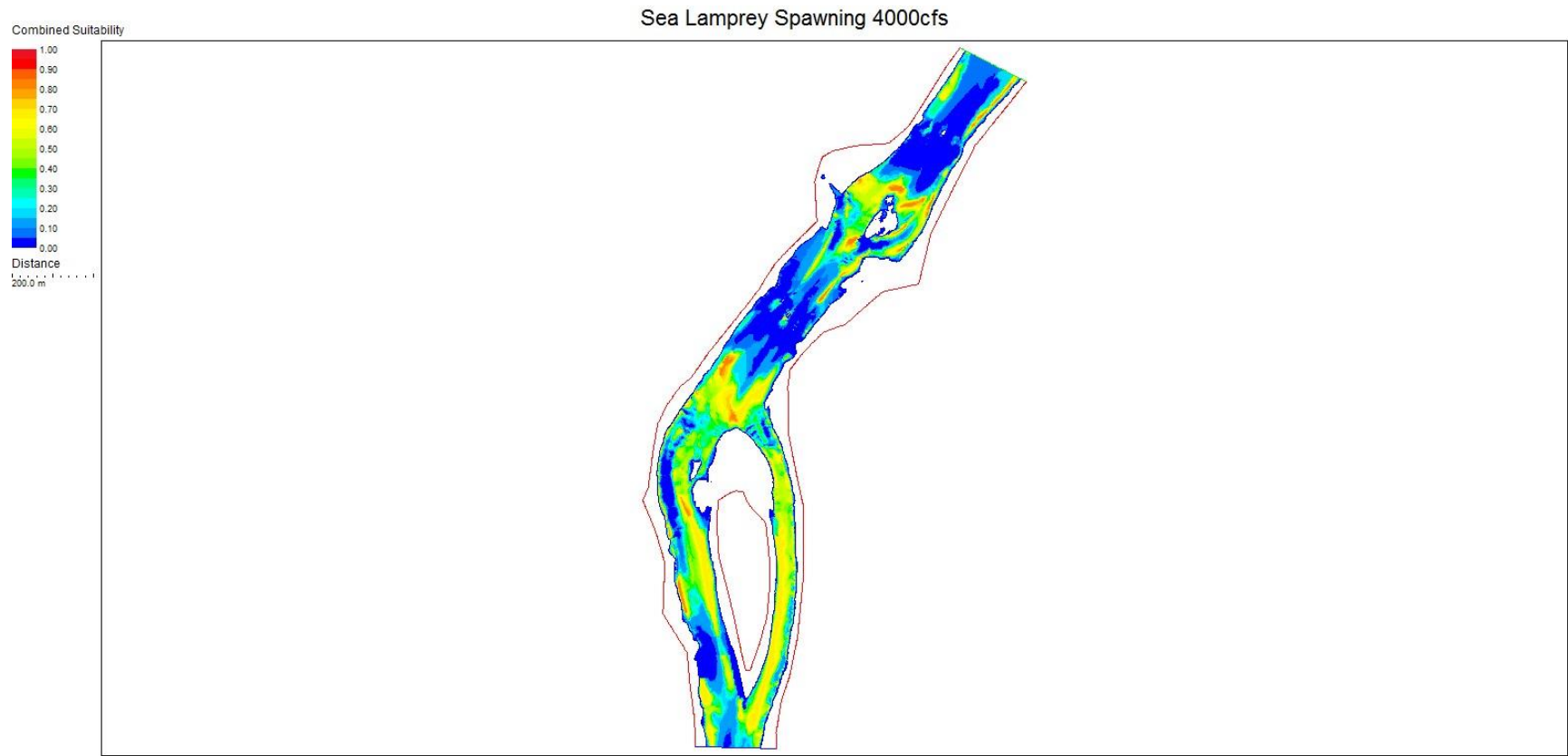


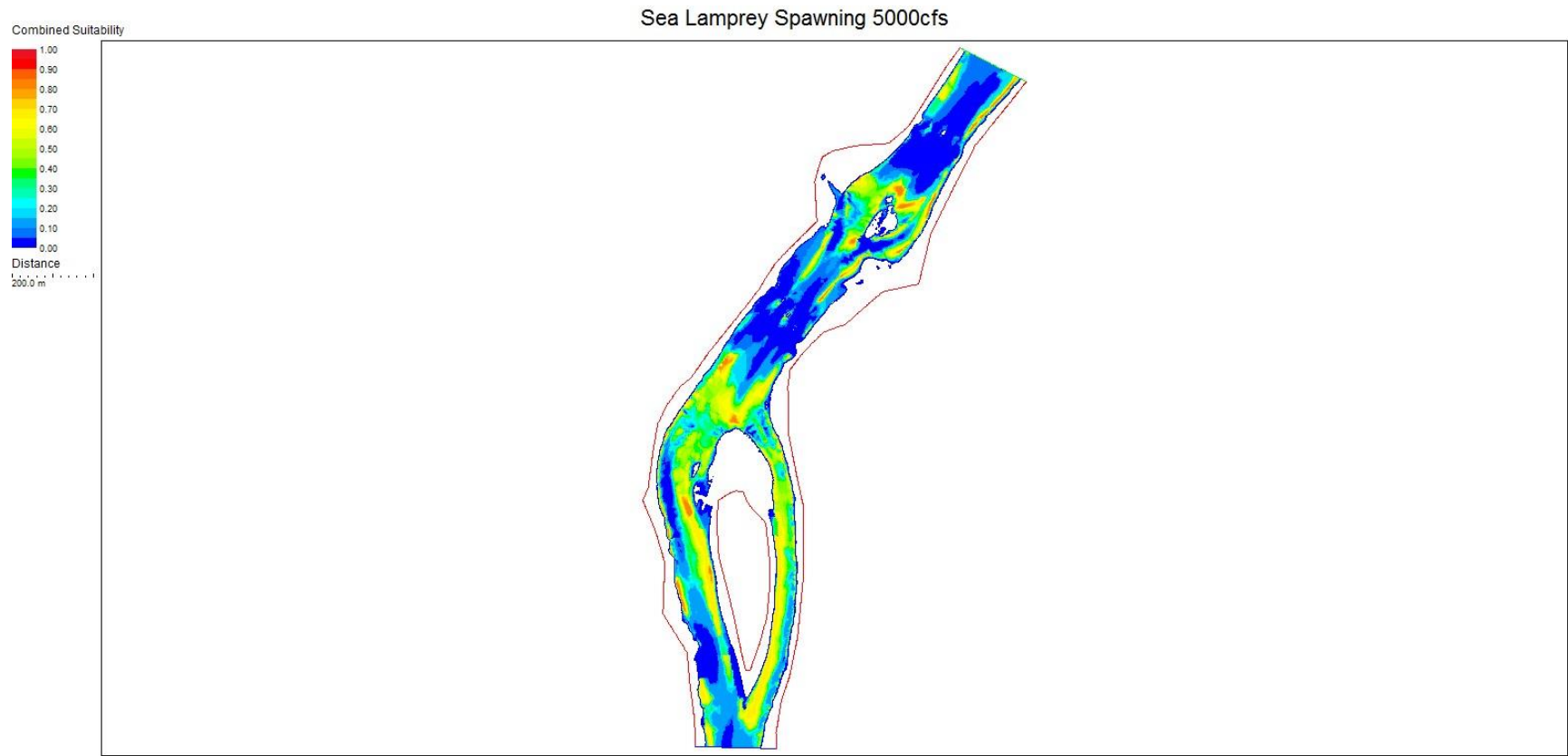




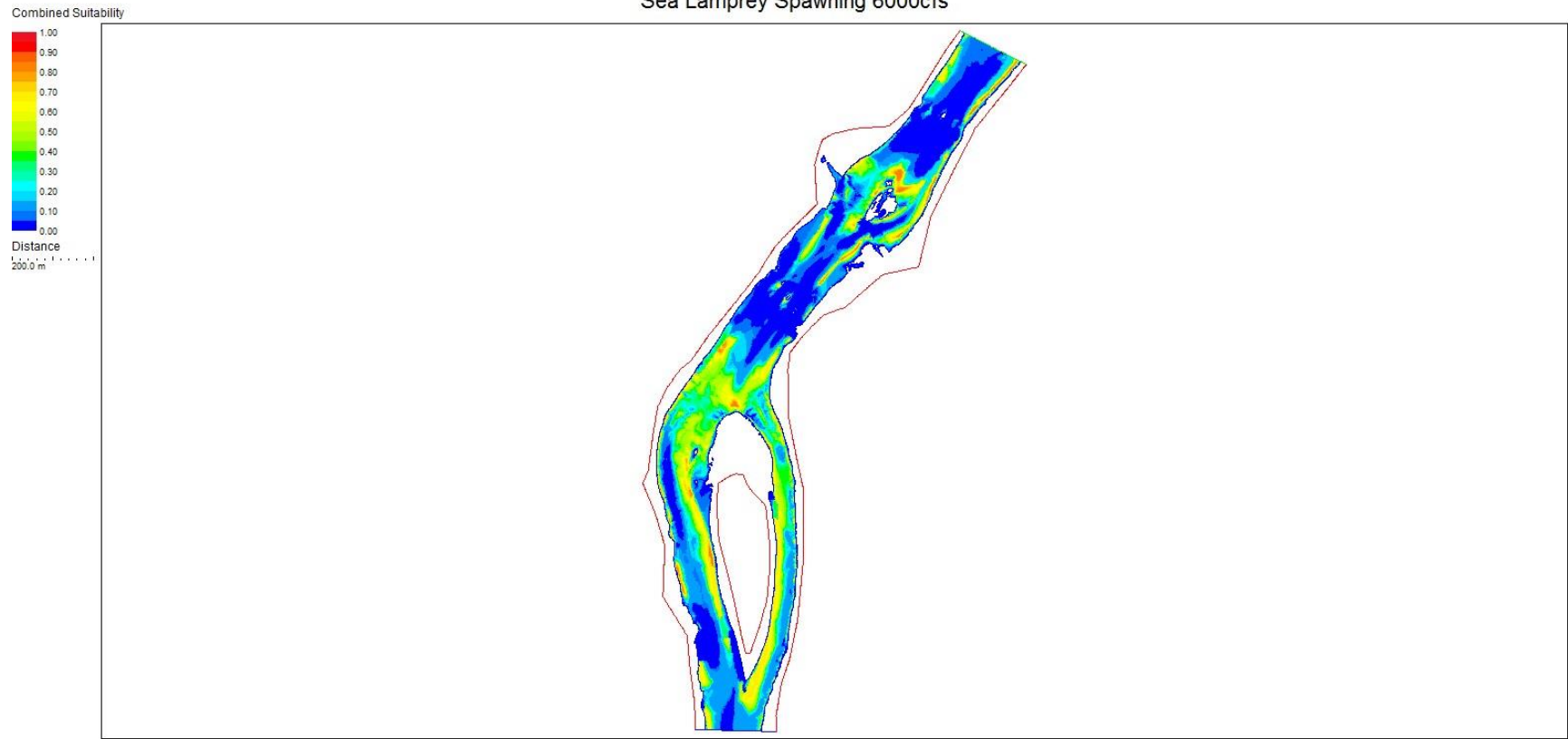


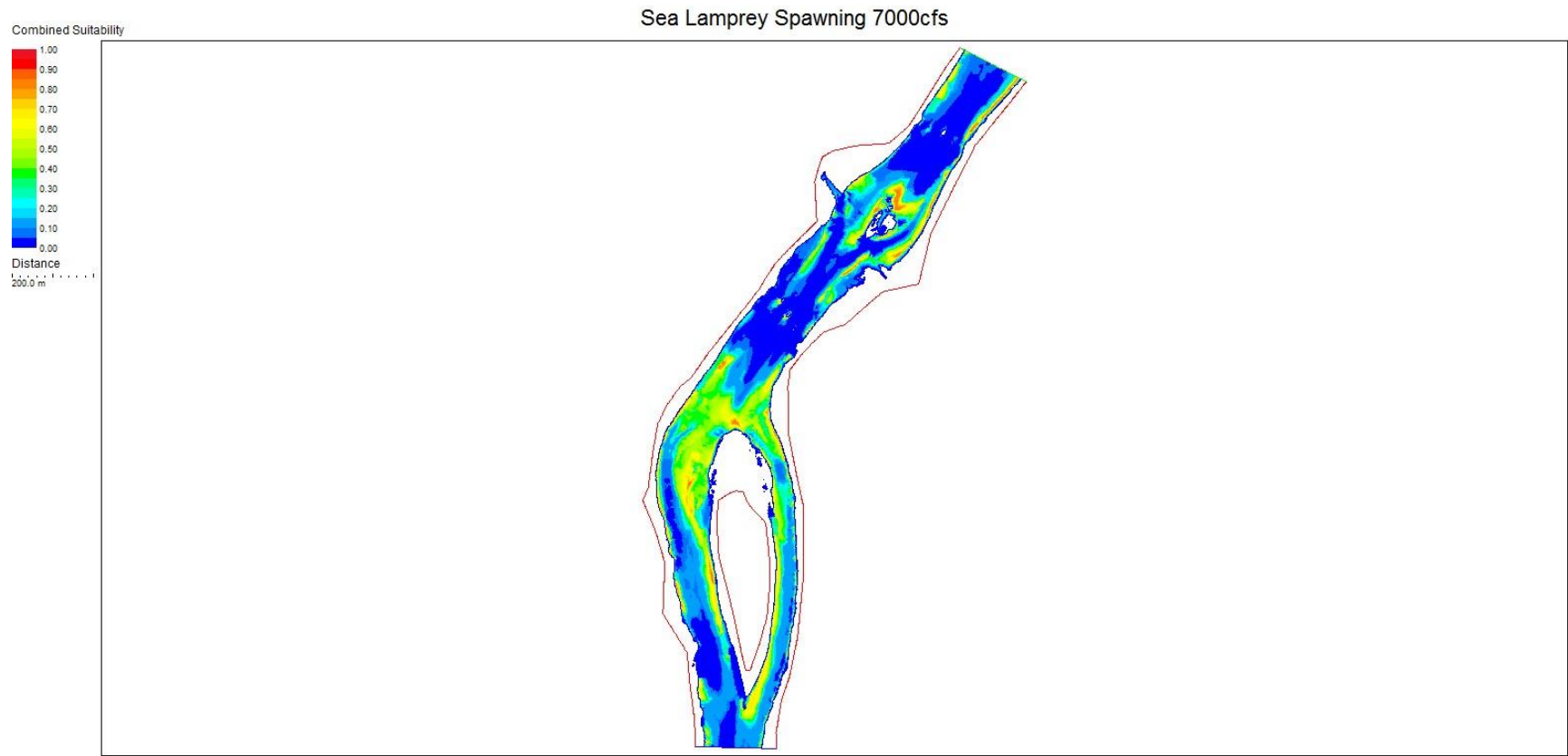


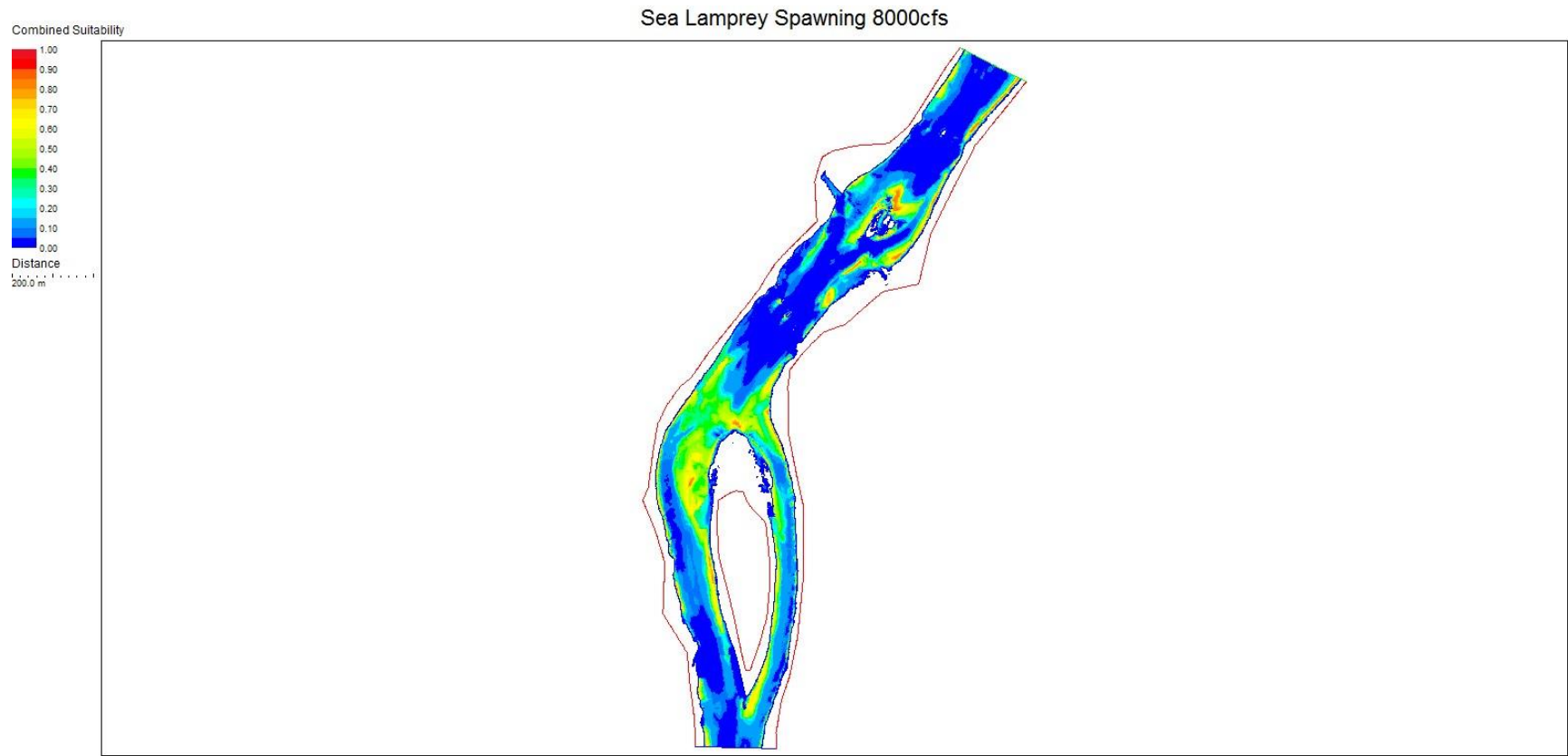




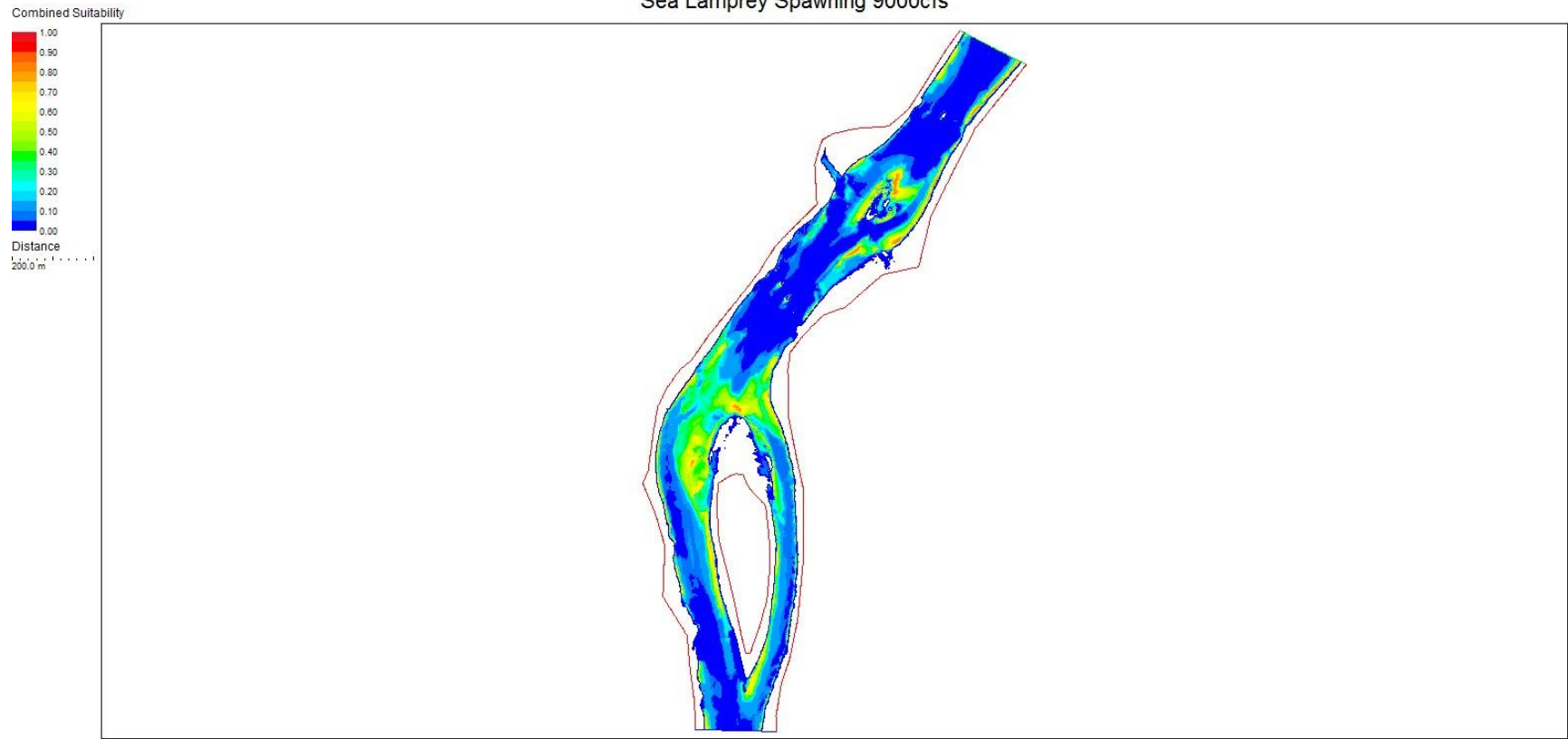
Sea Lamprey Spawning 6000cfs

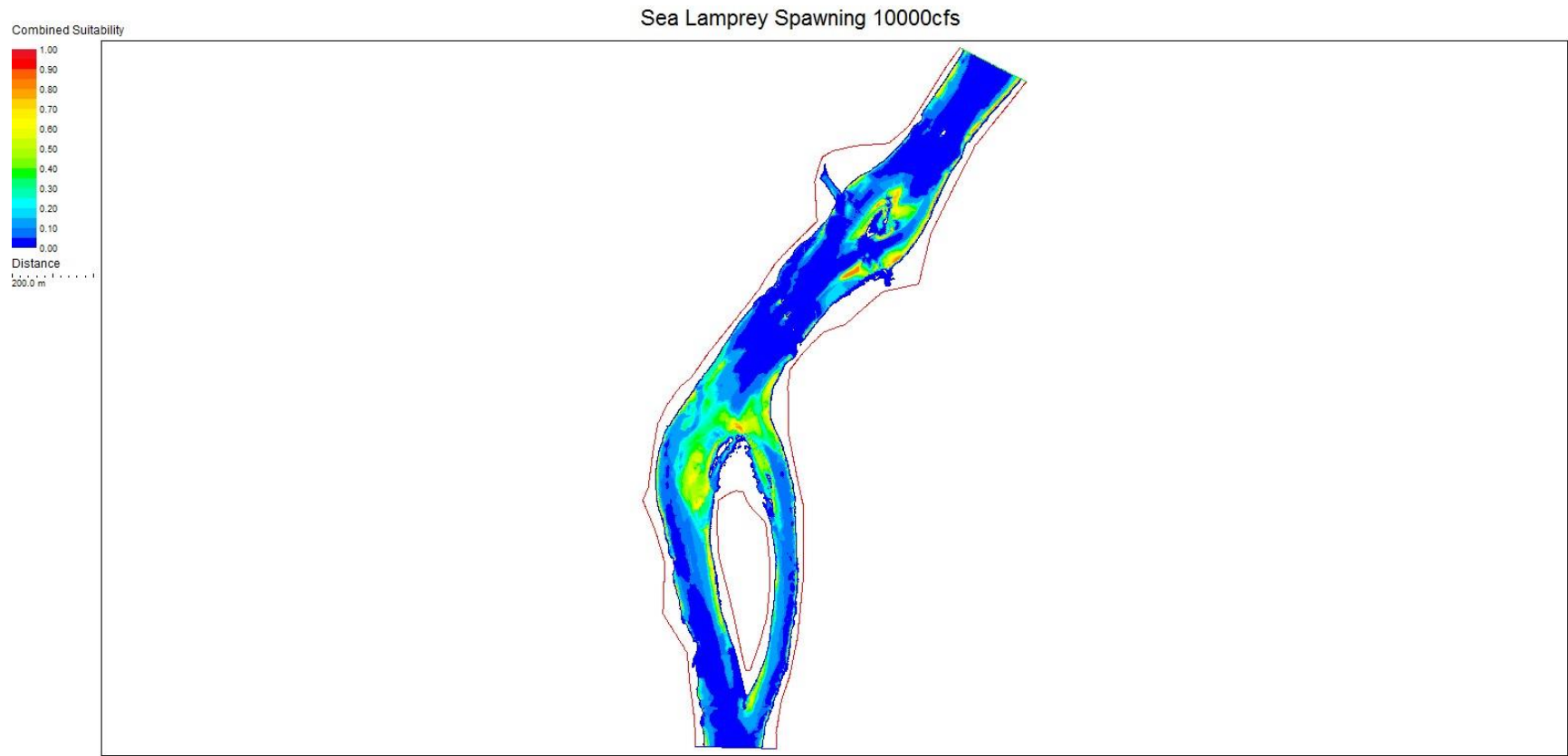


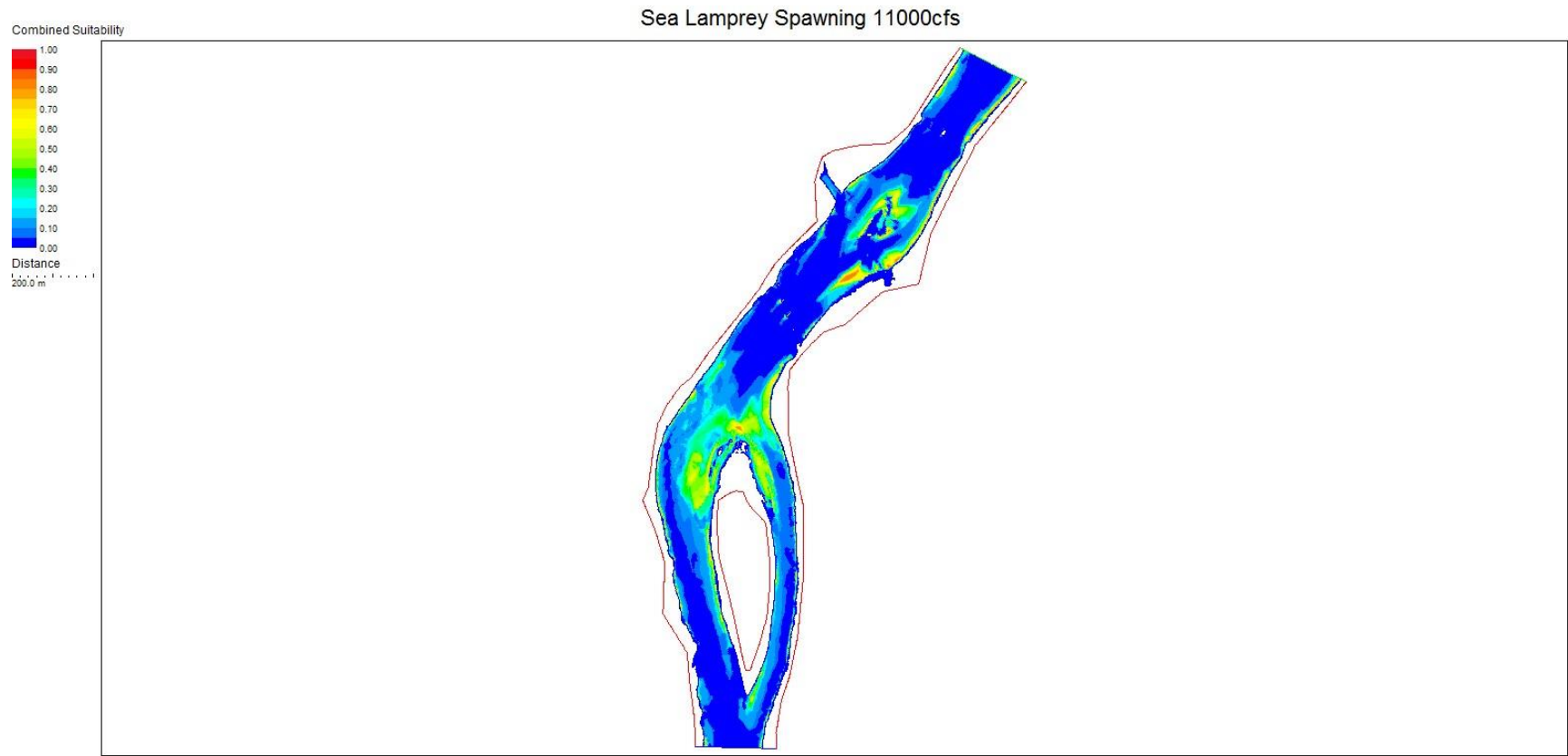


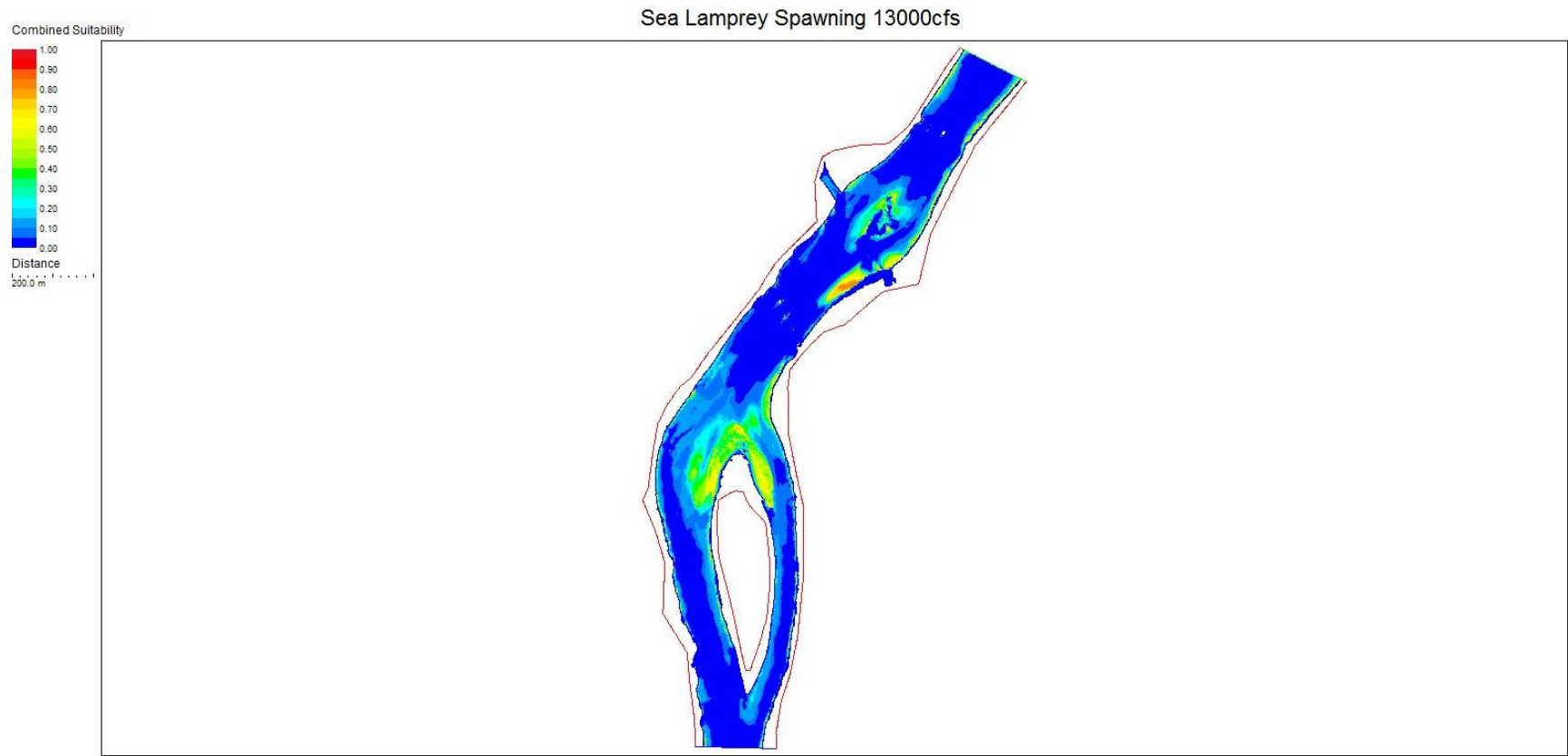


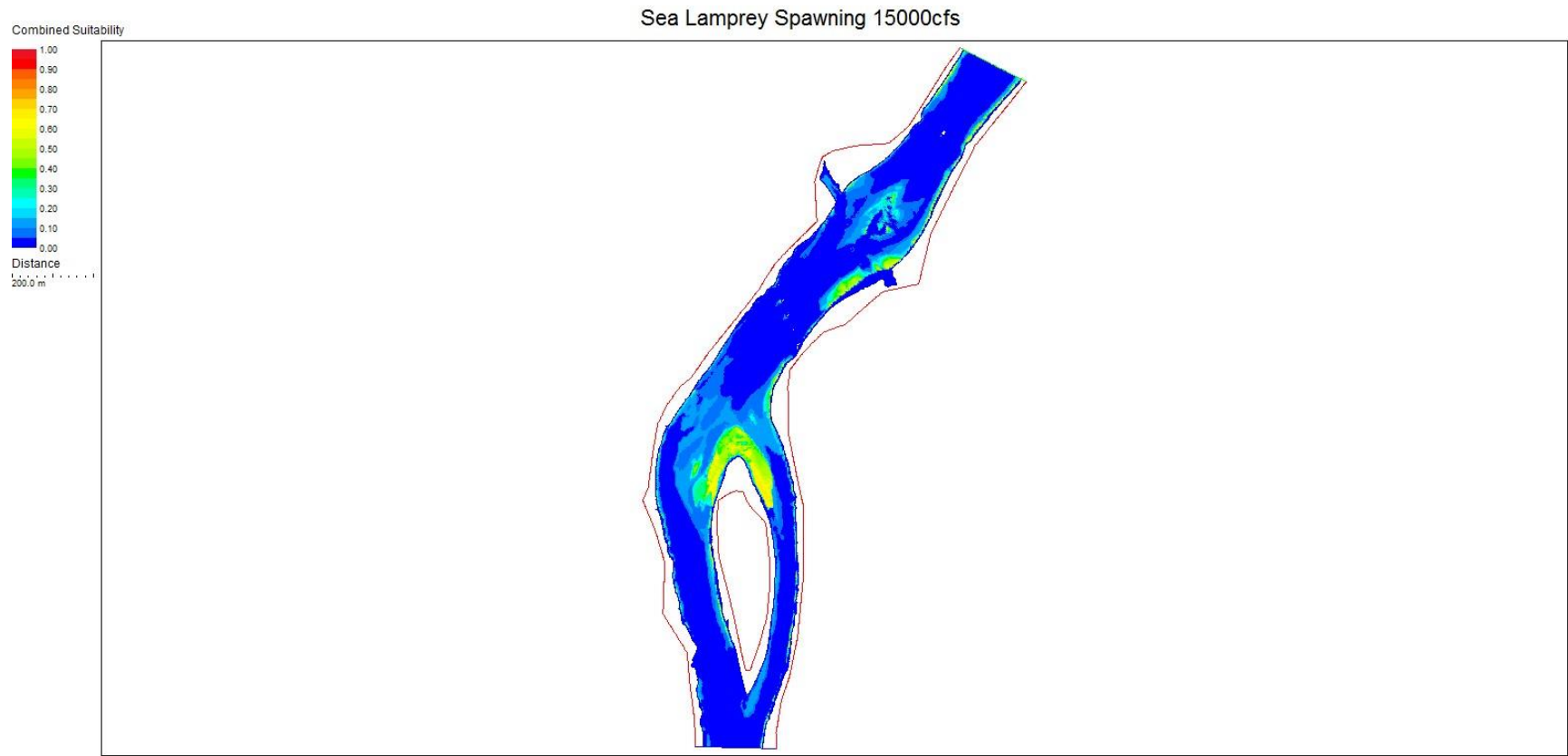
Sea Lamprey Spawning 9000cfs

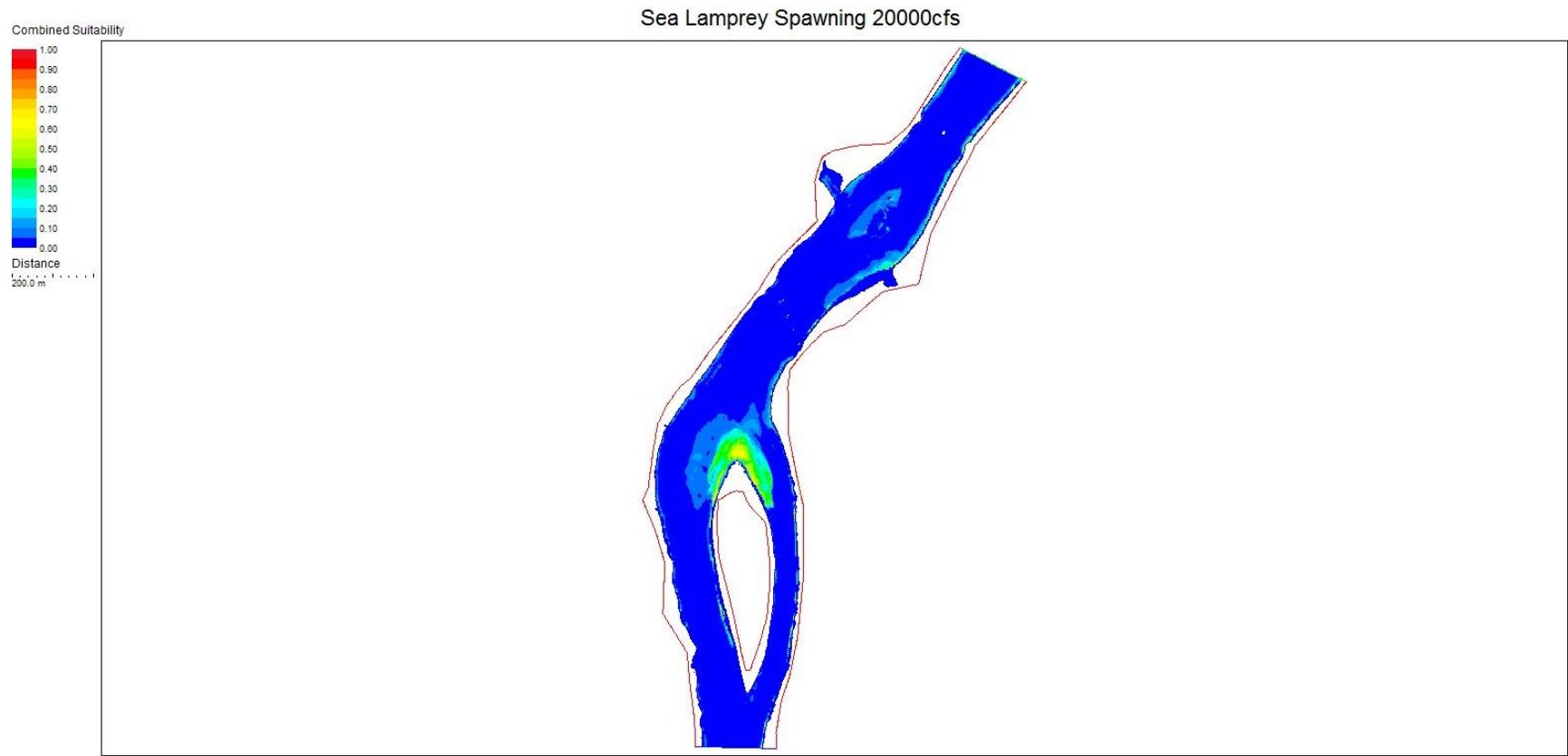


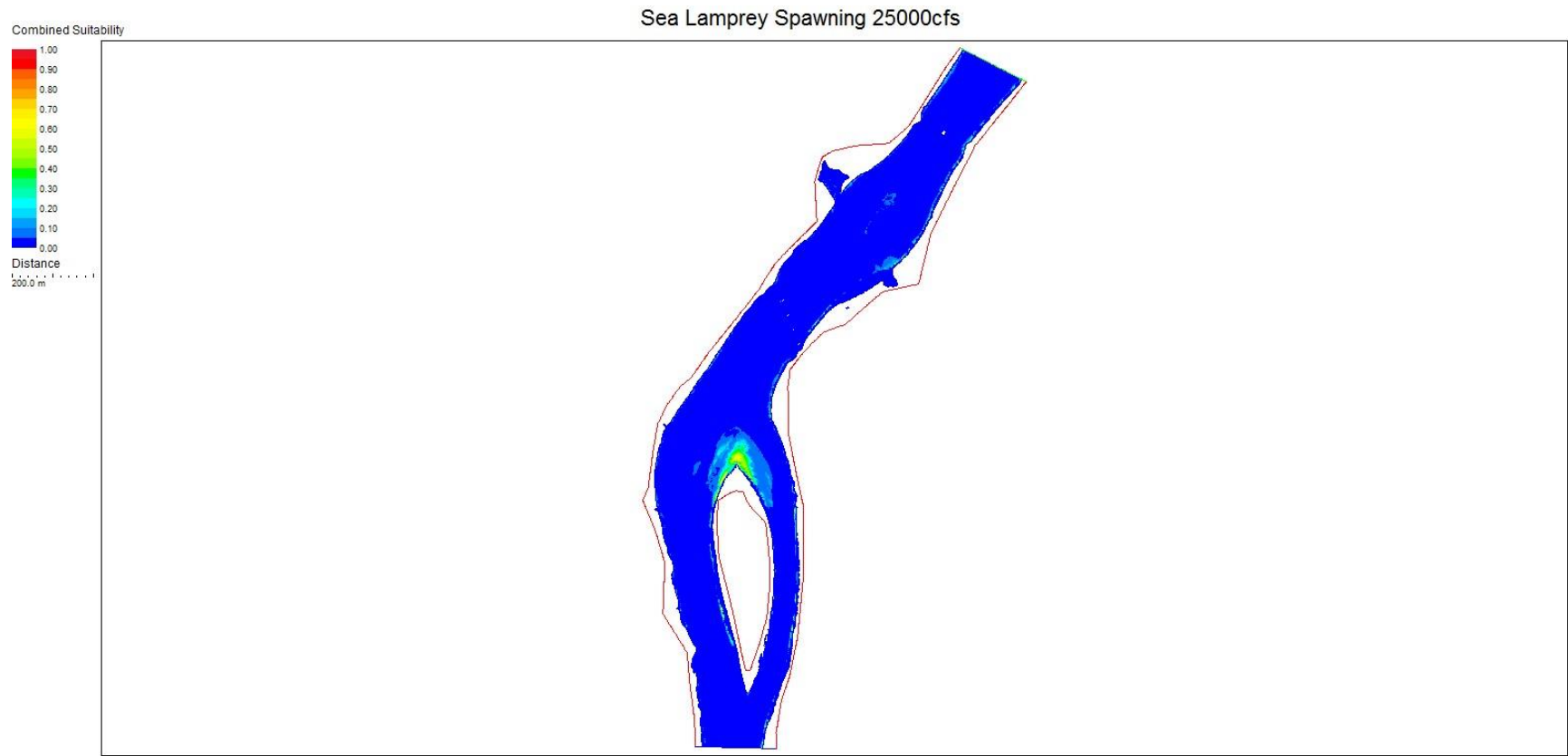


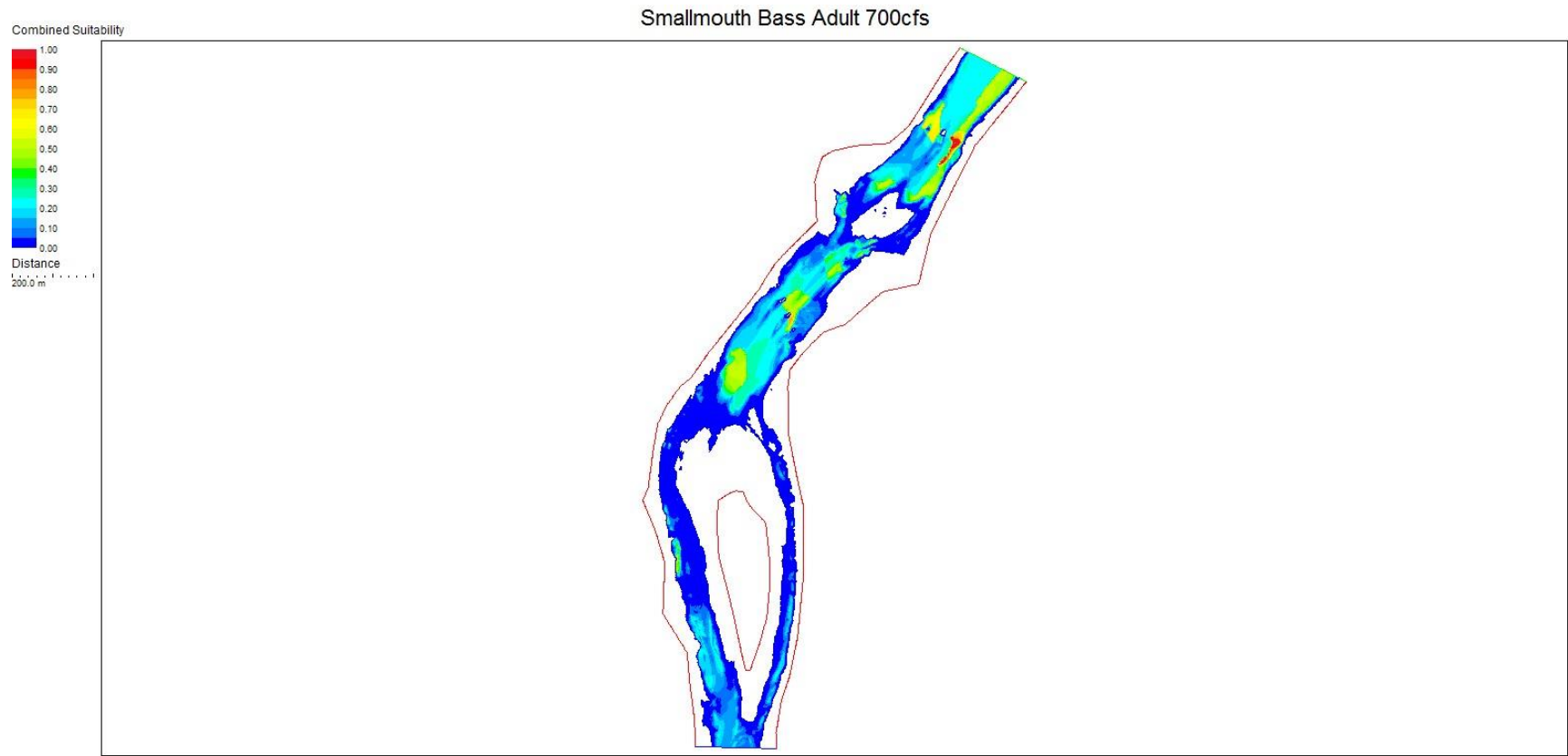


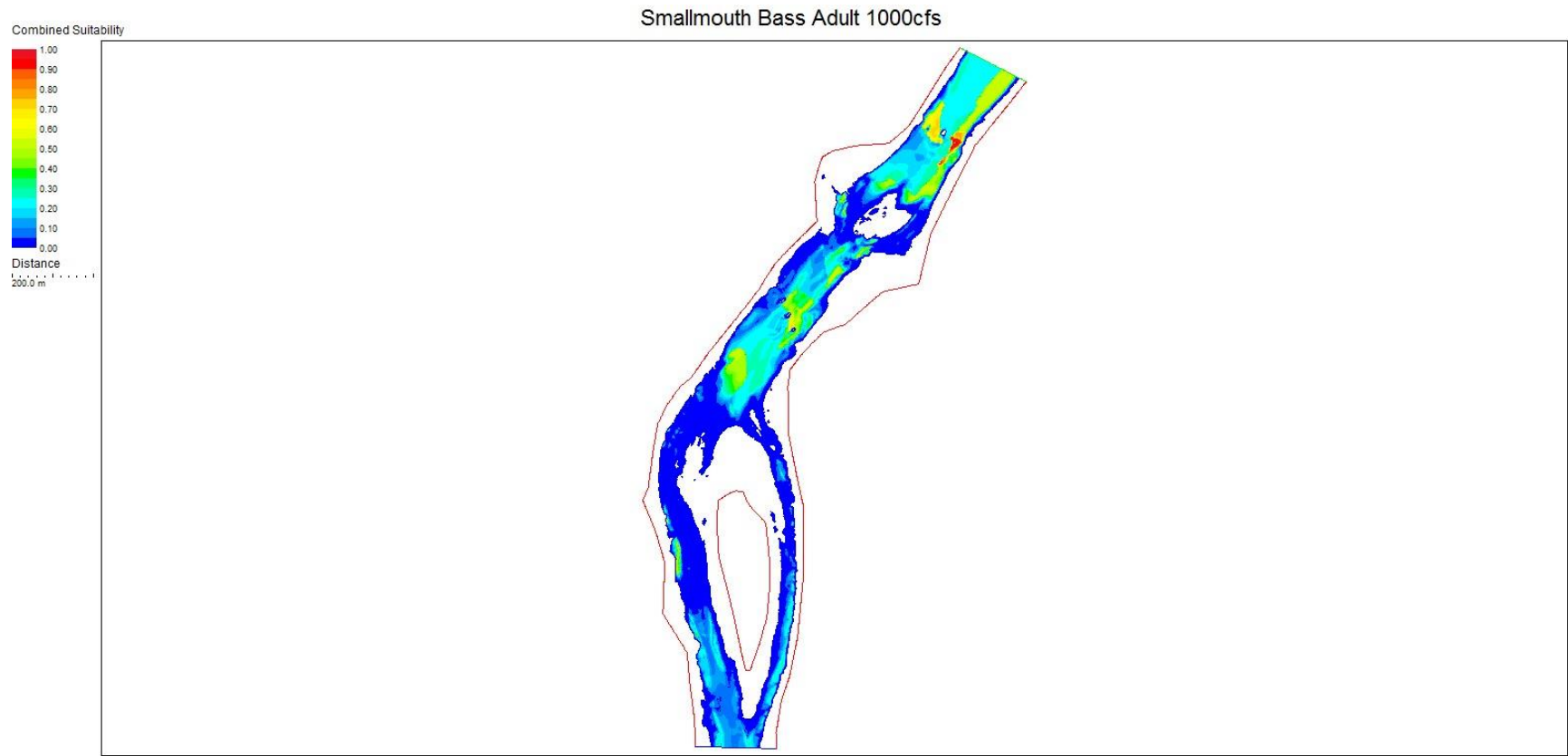


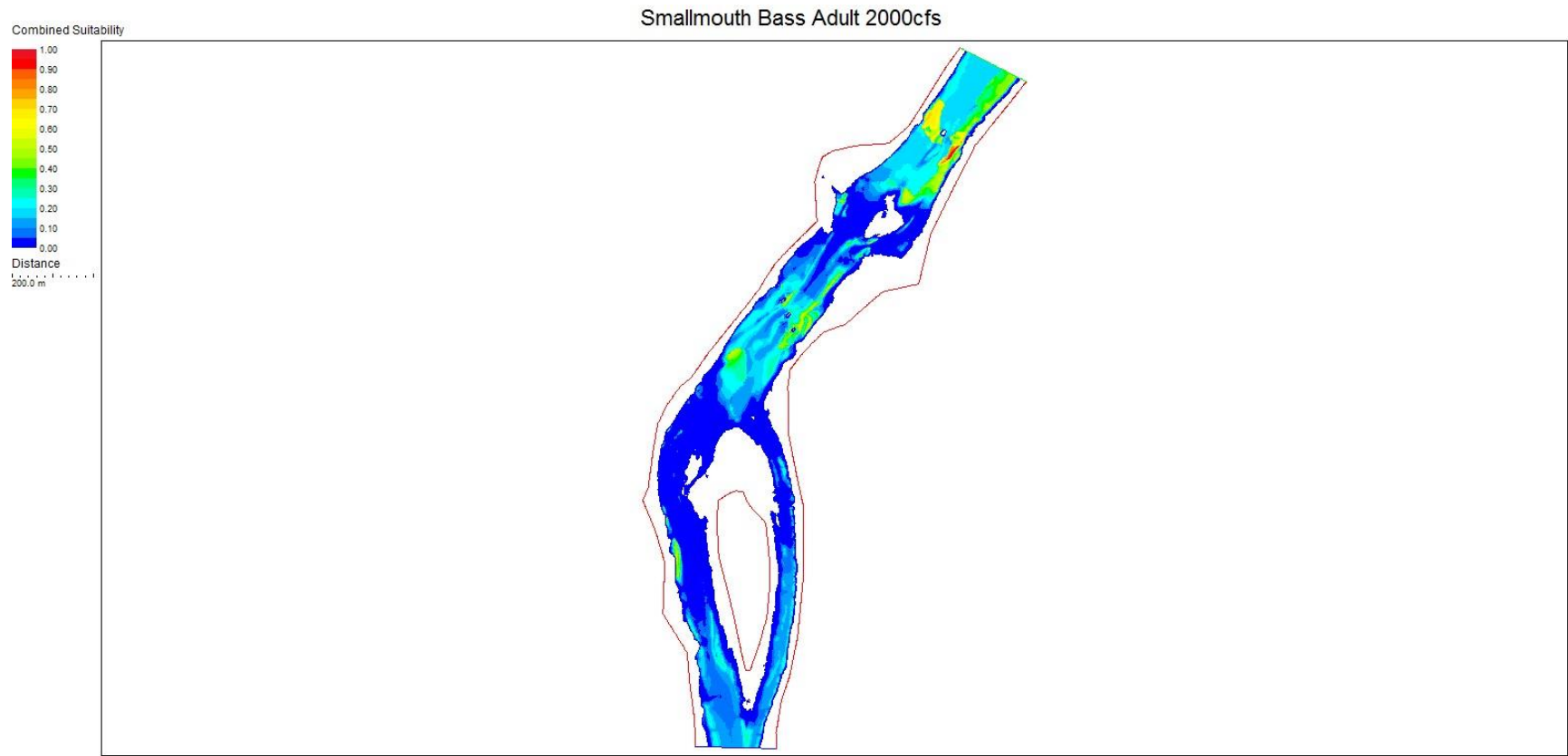


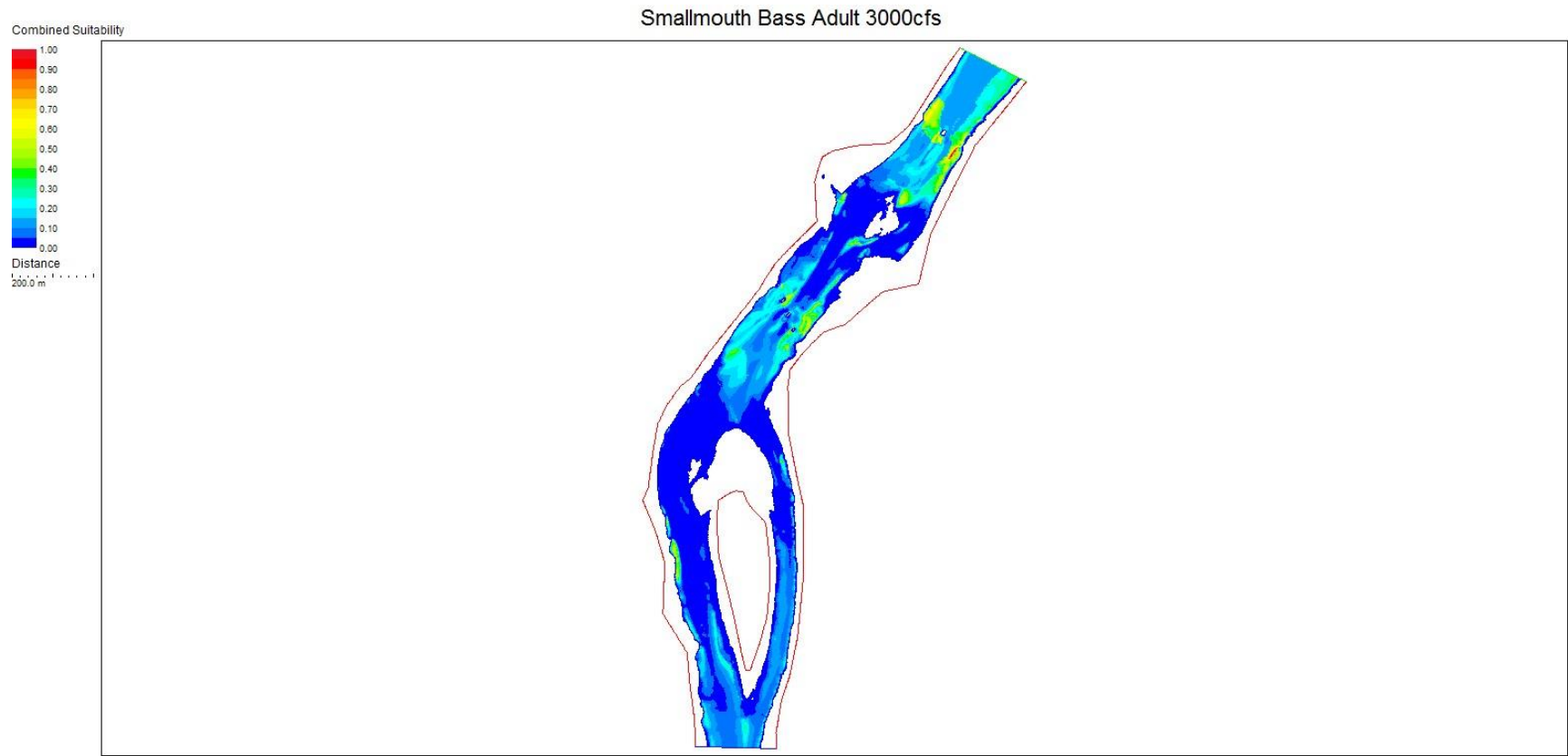


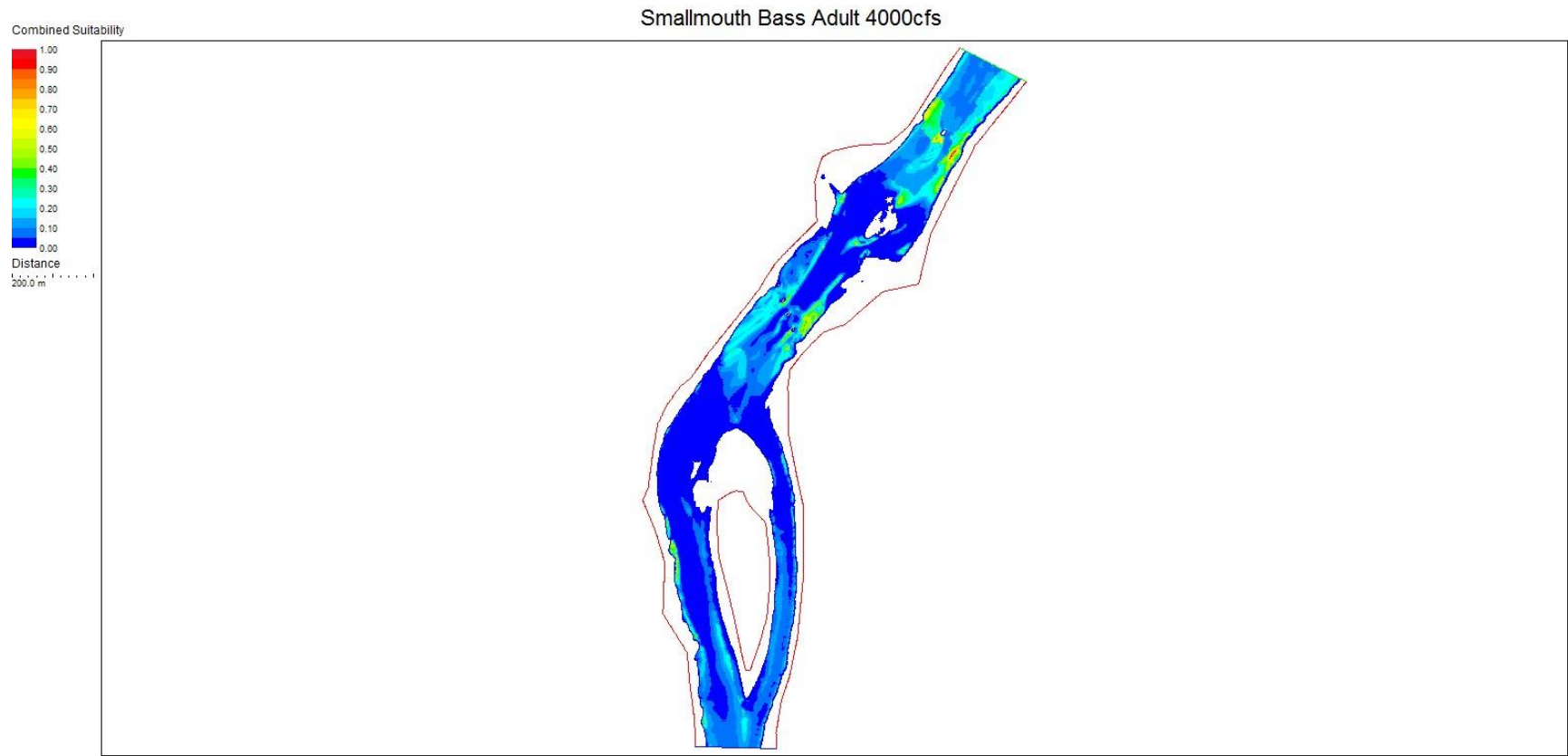


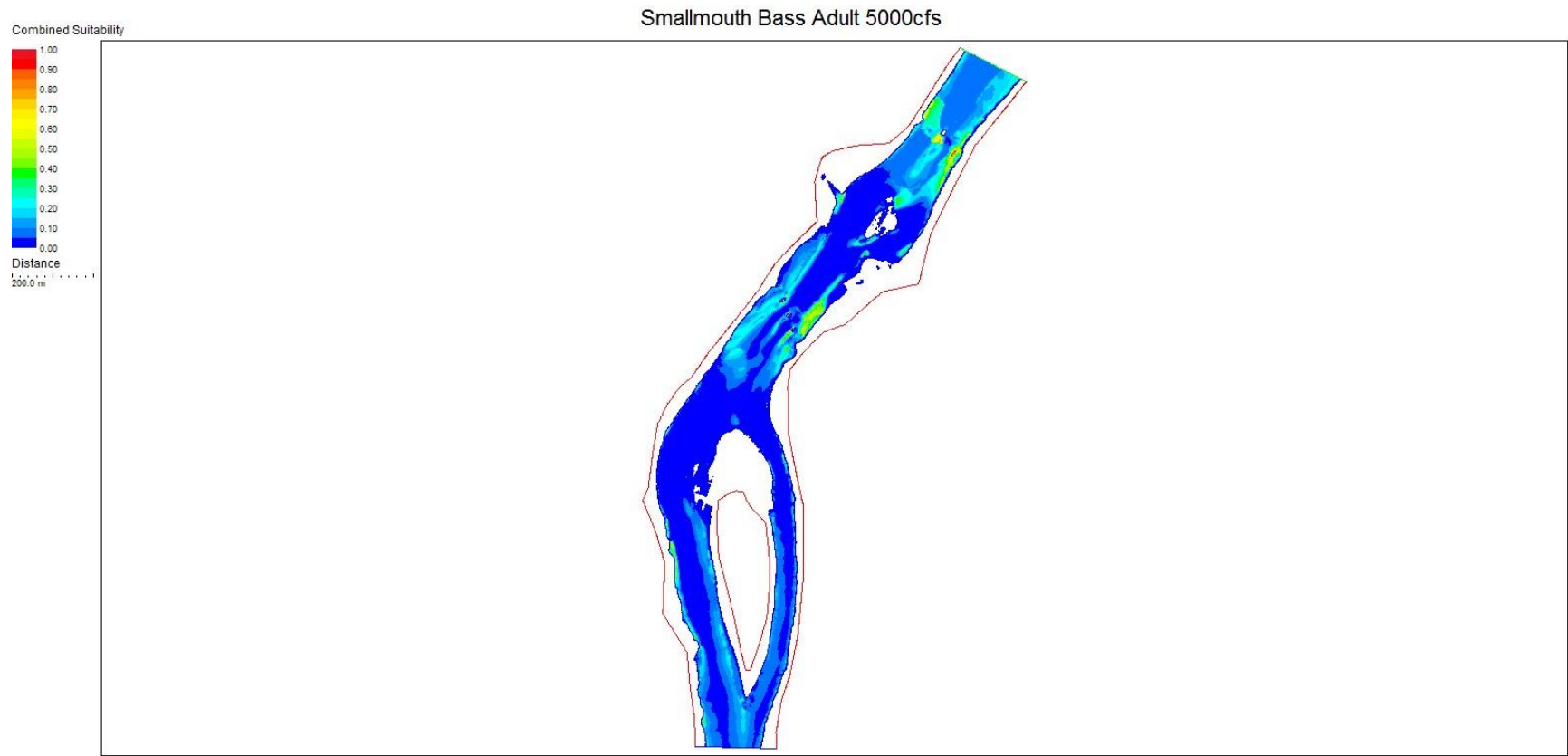


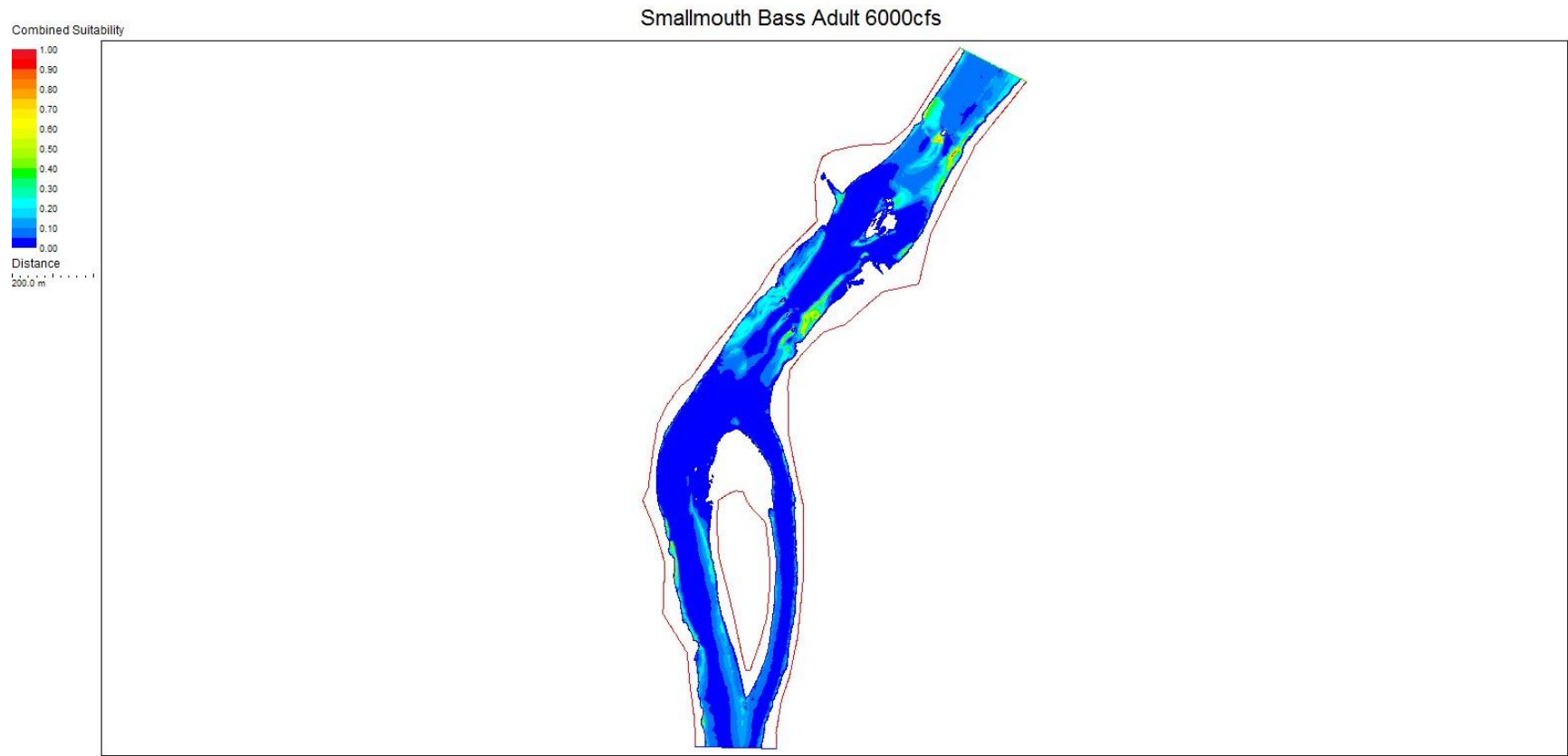


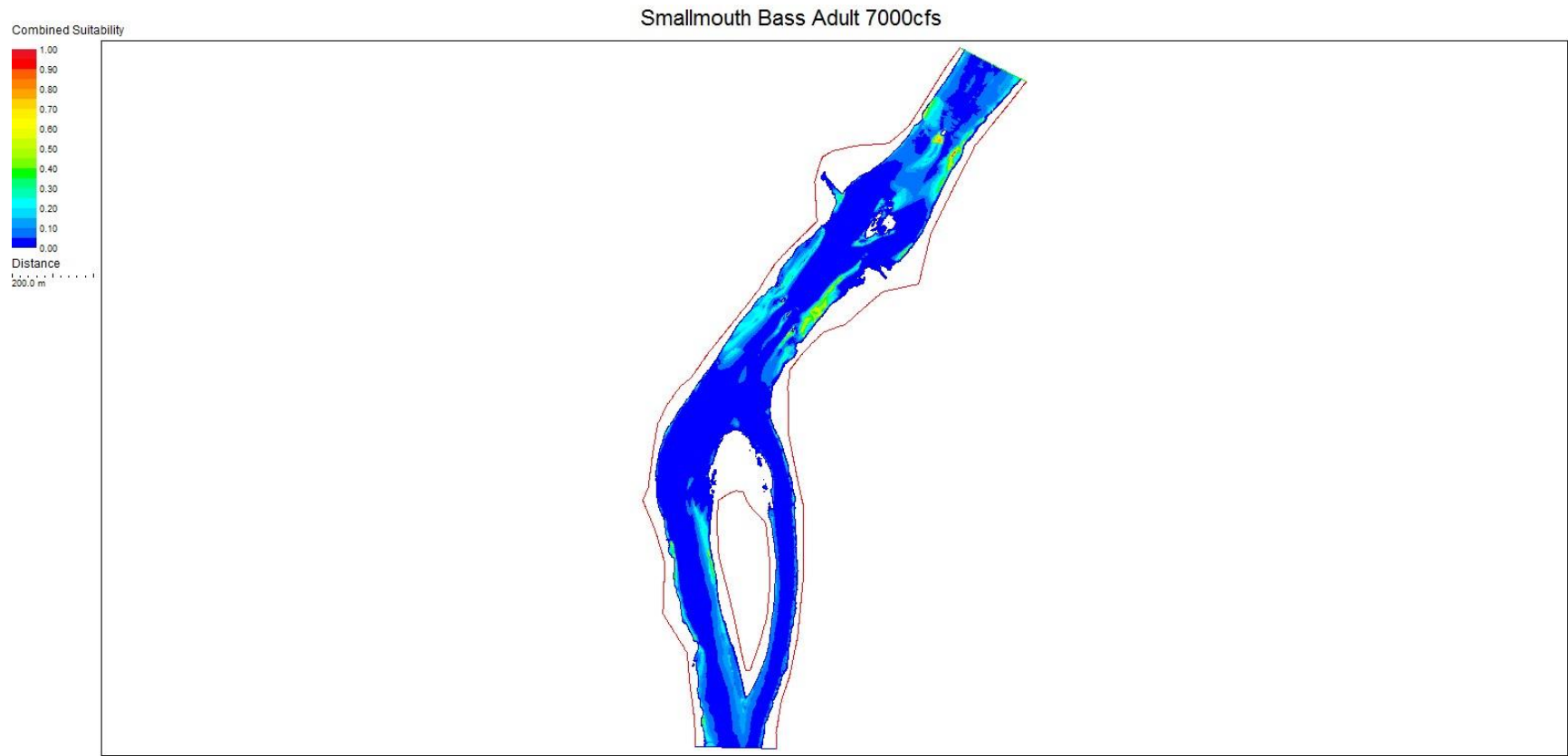


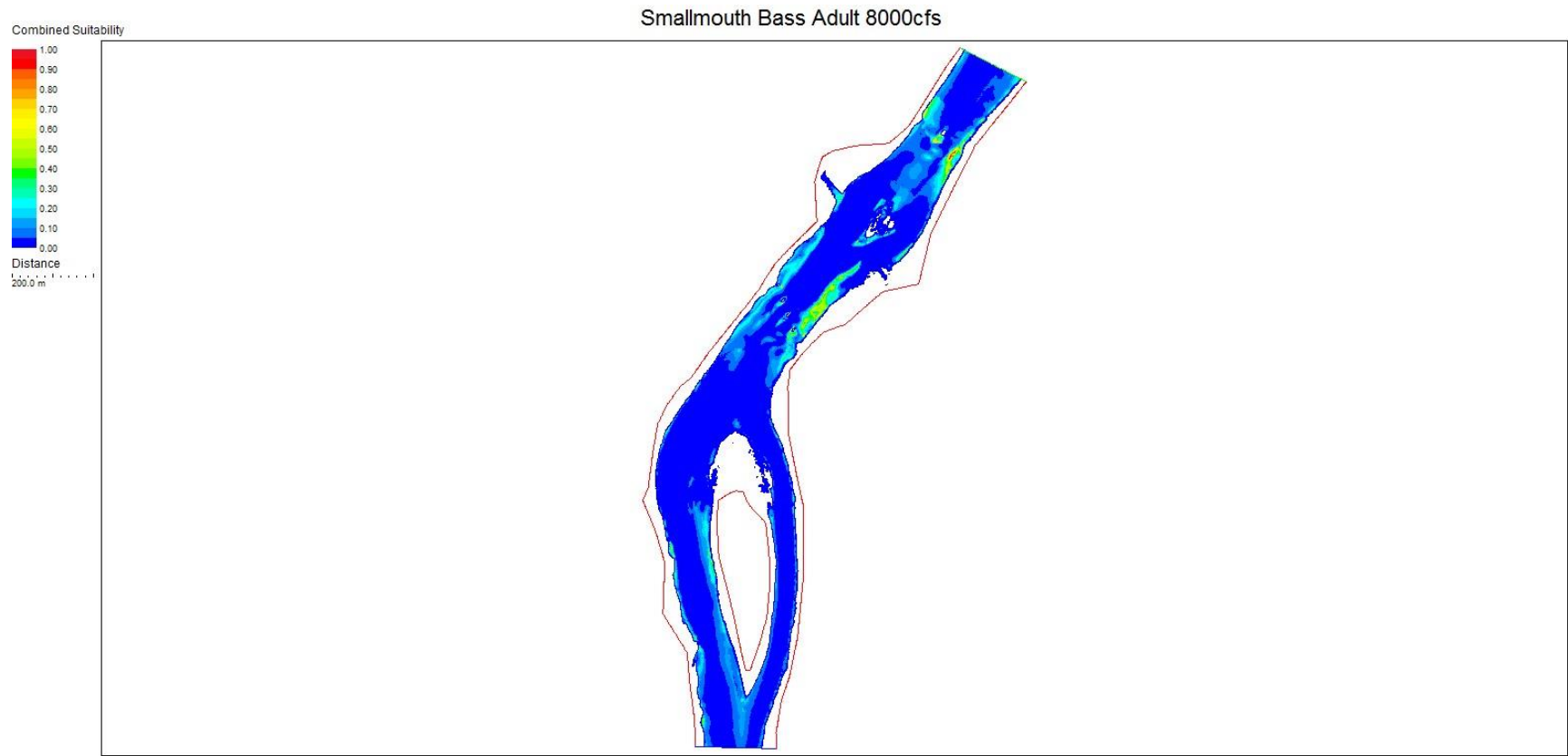


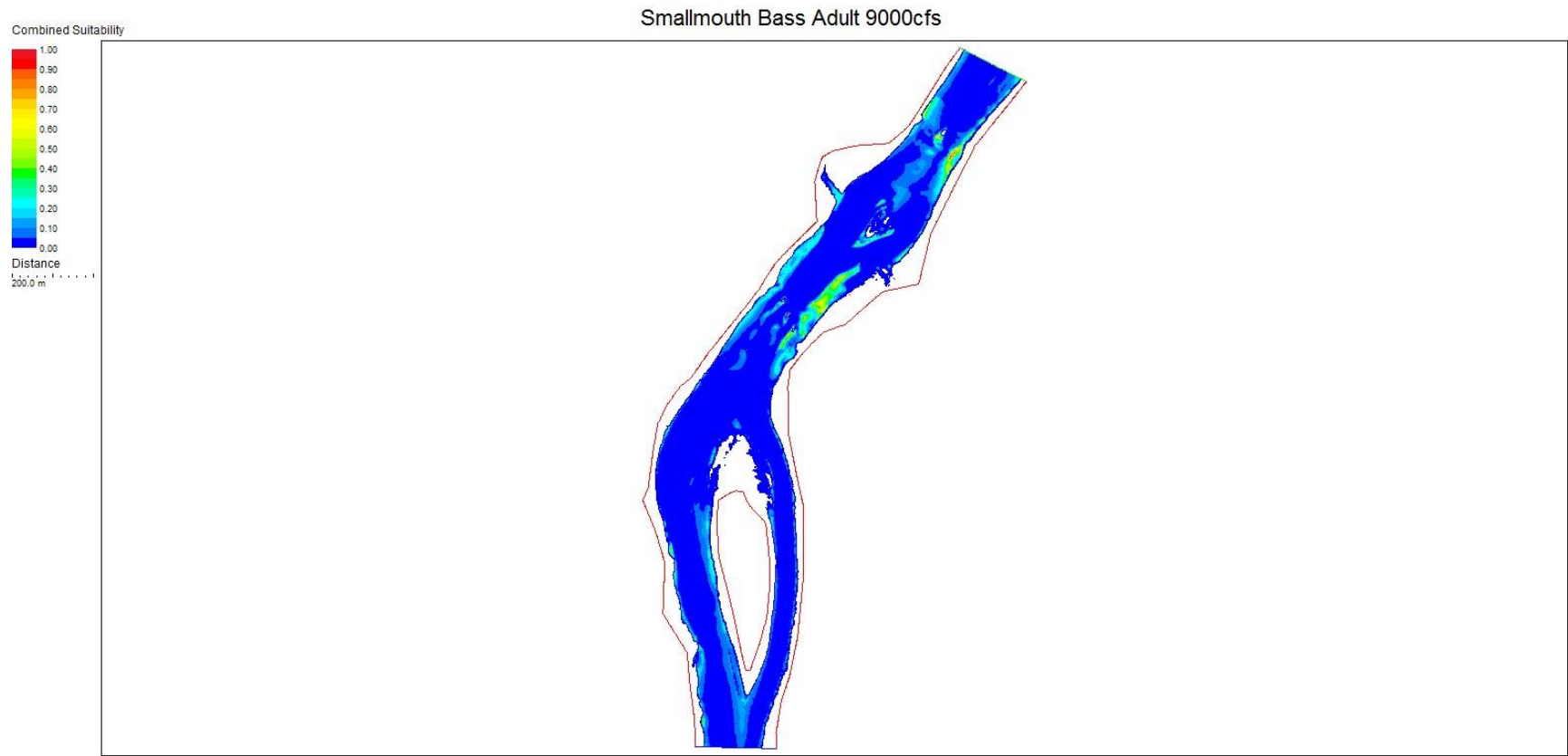


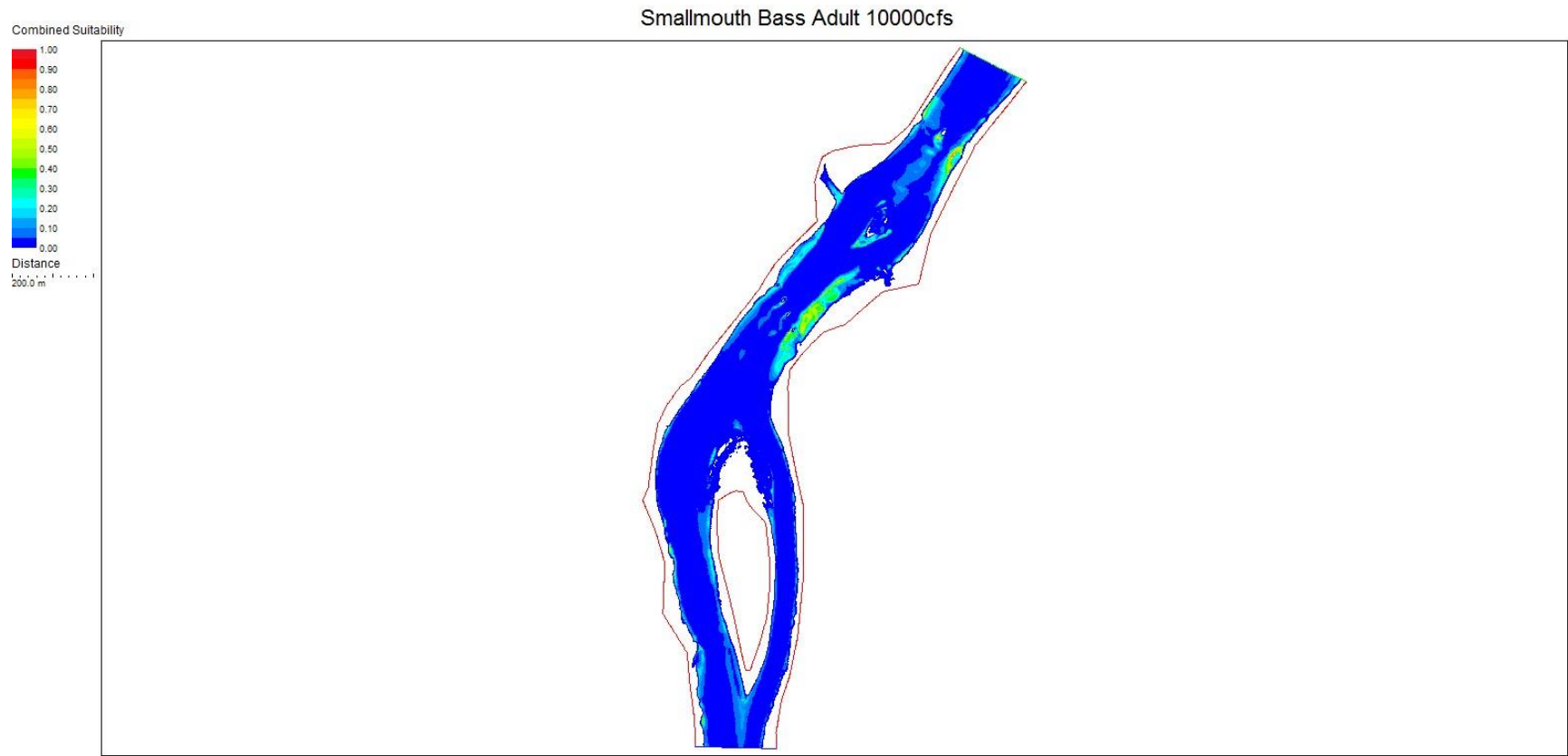


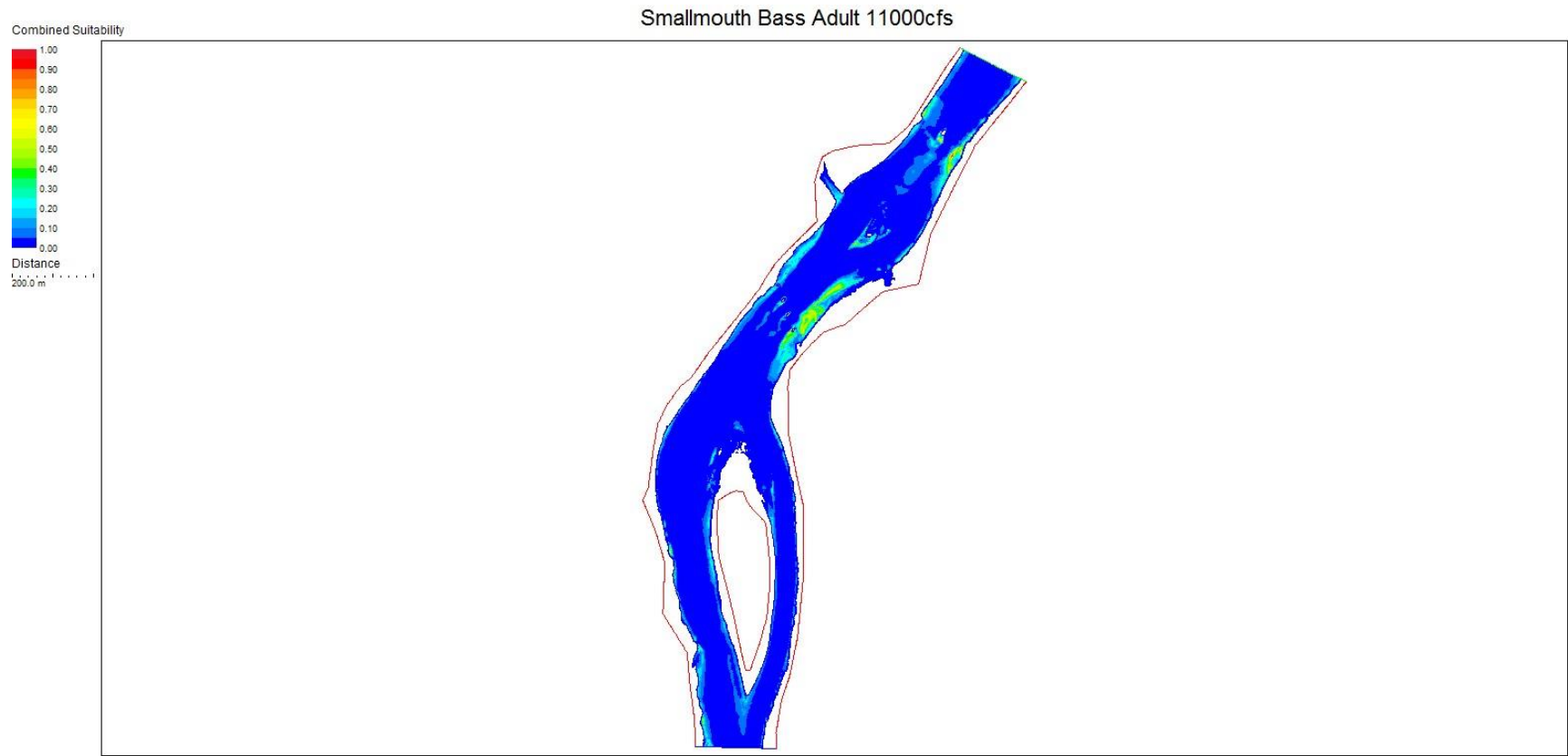


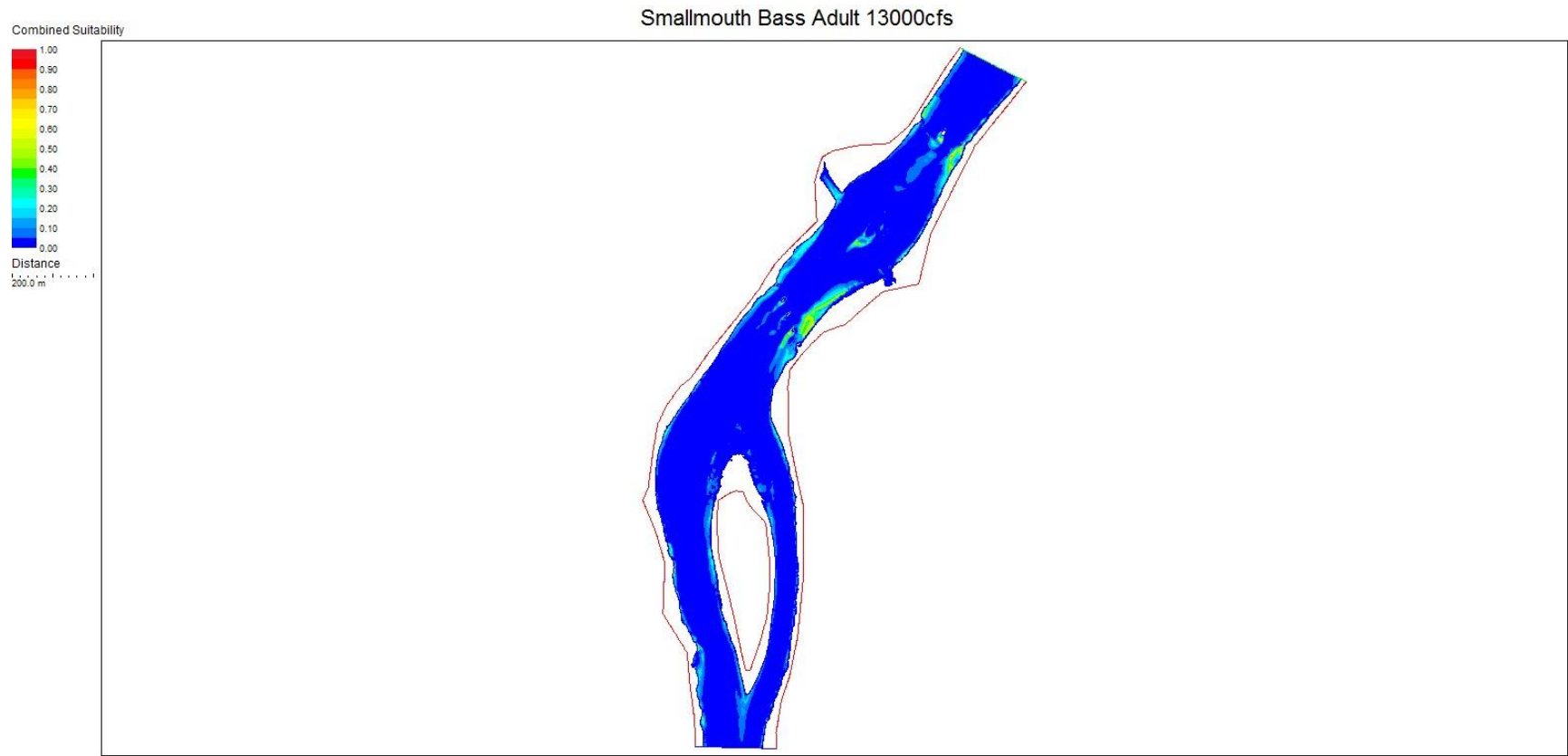


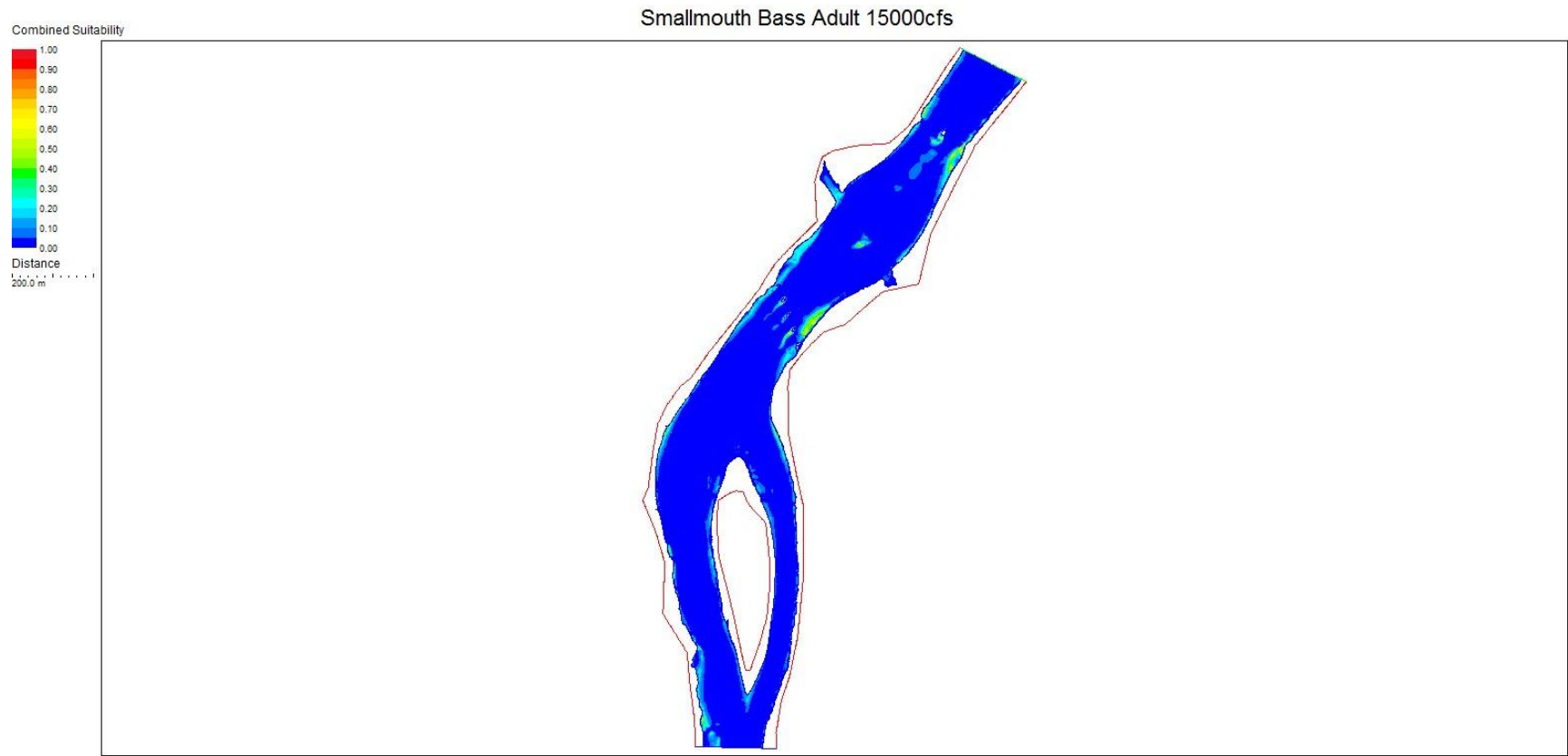


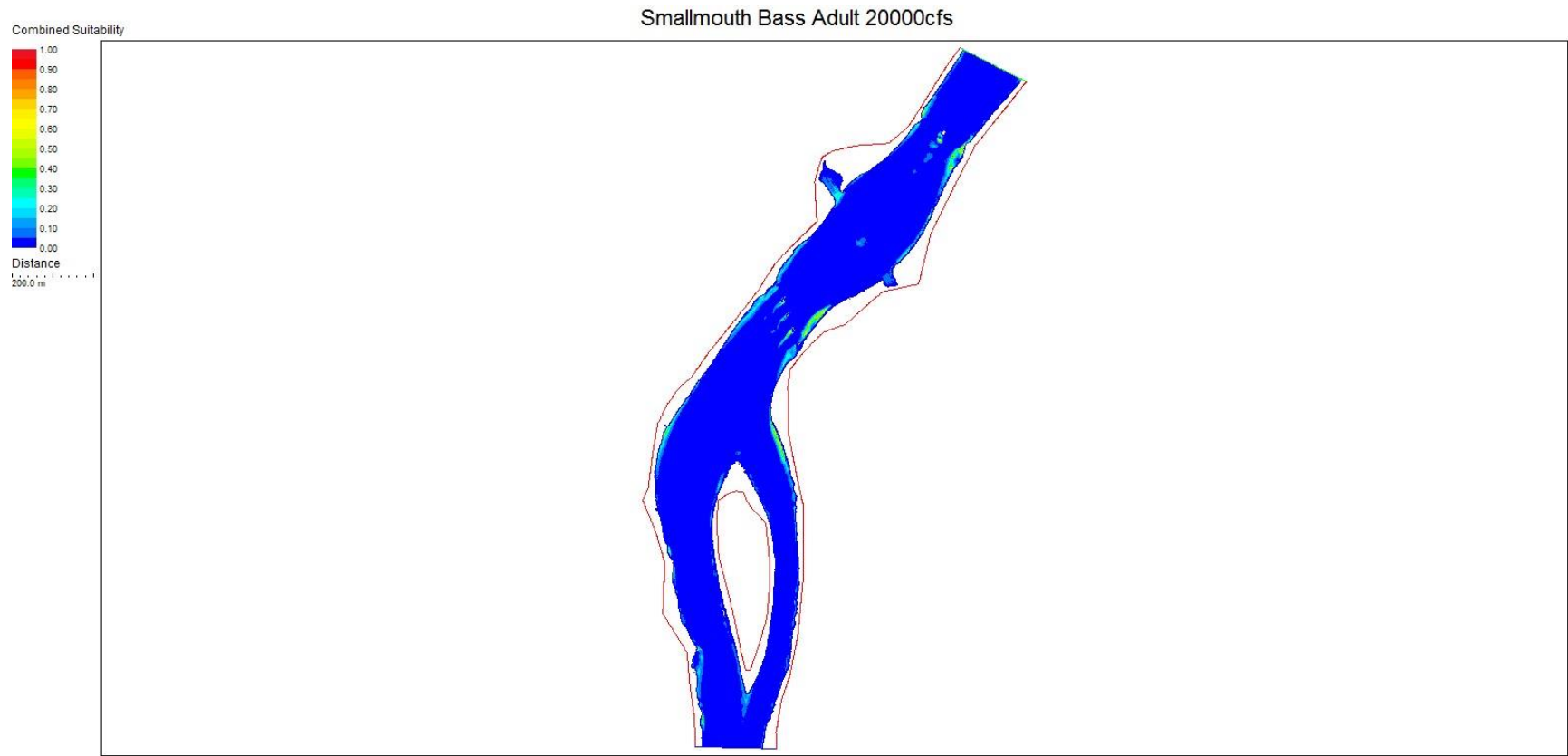


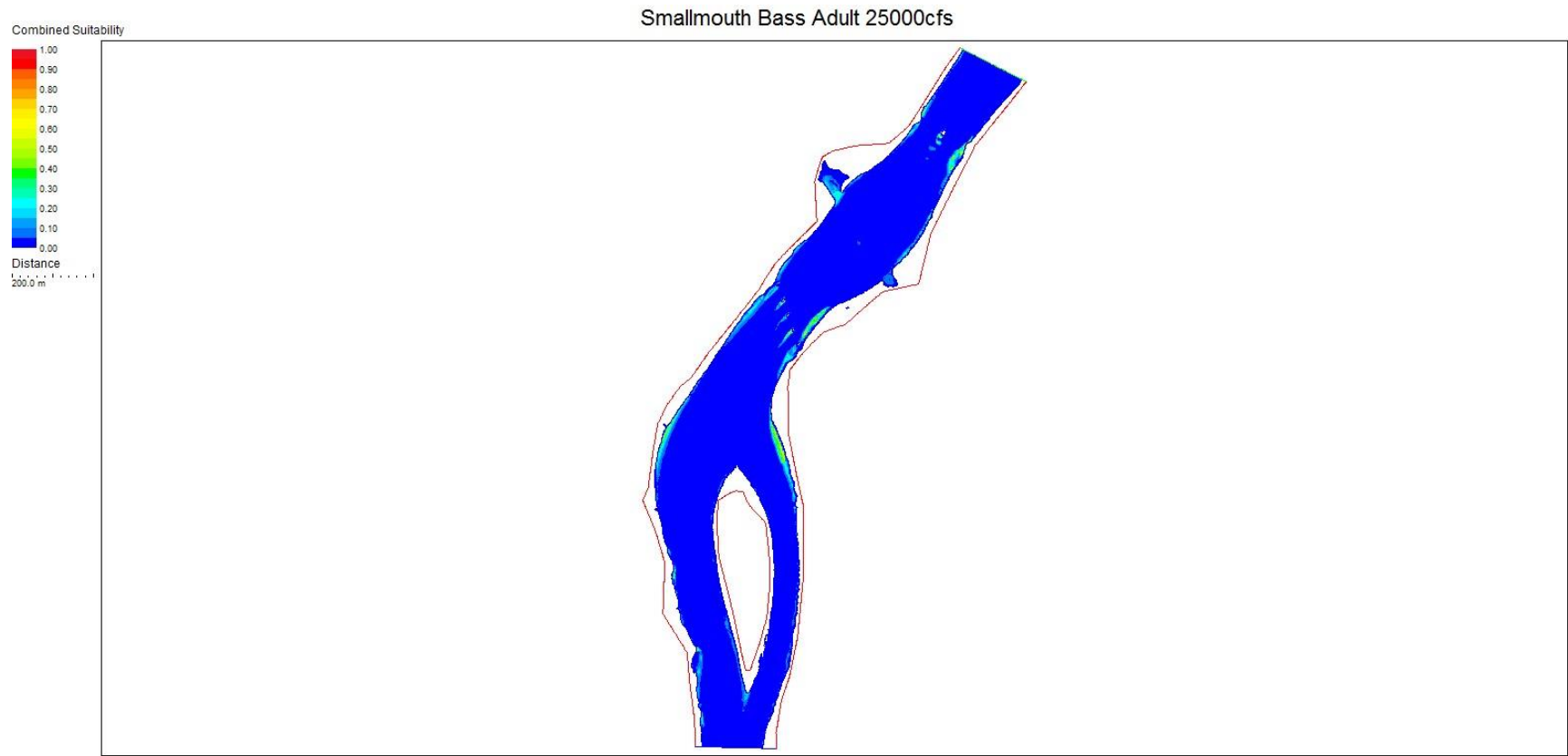




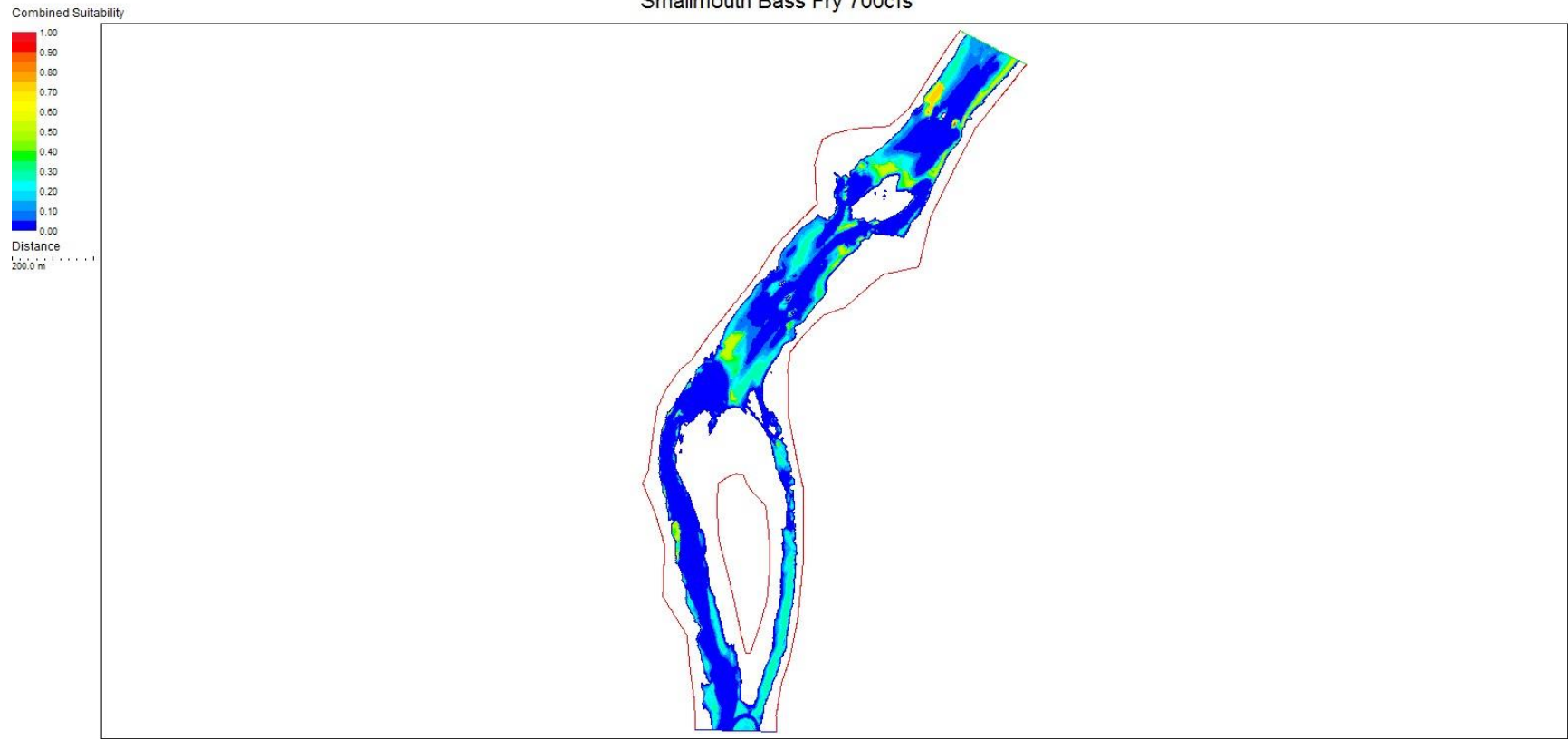




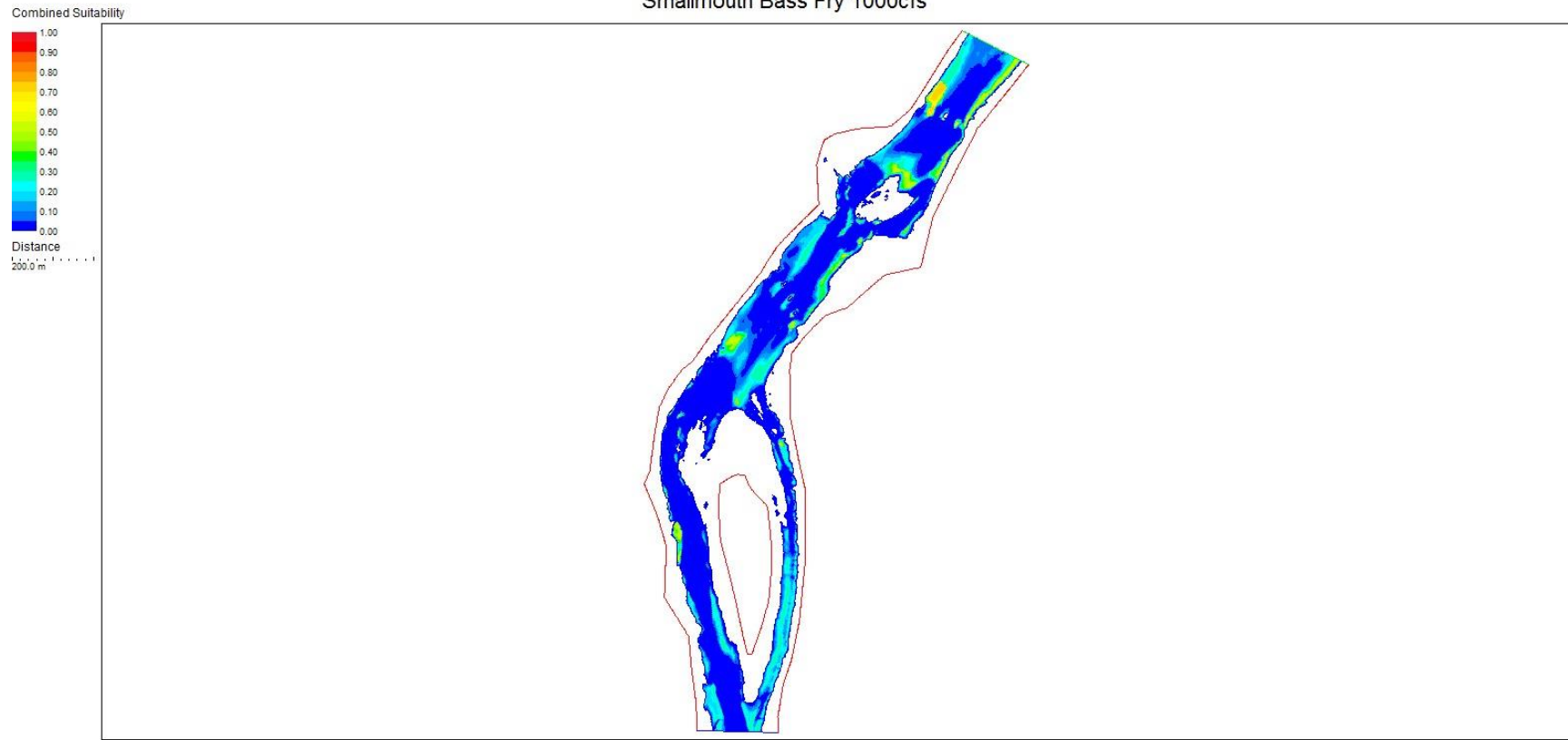


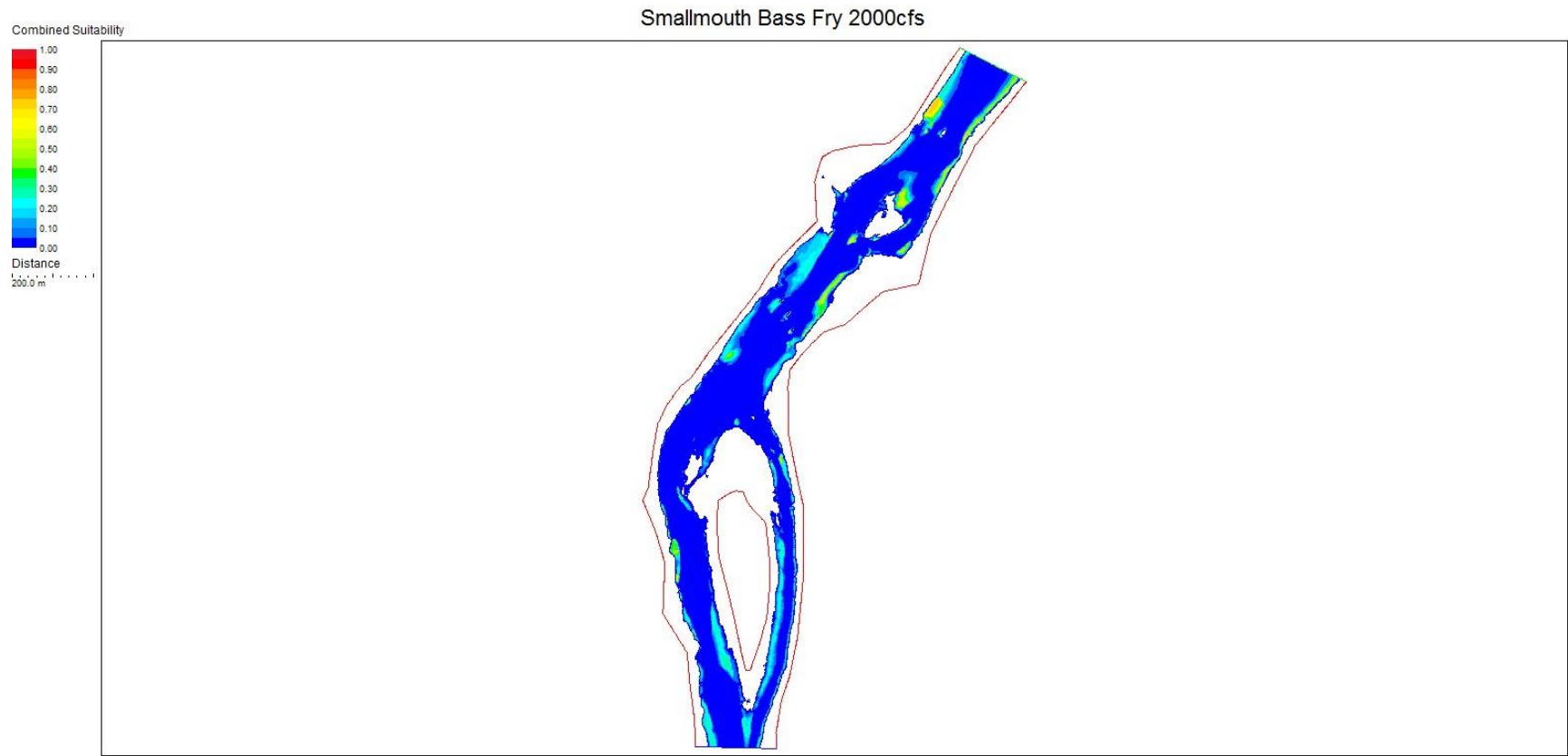


Smallmouth Bass Fry 700cfs

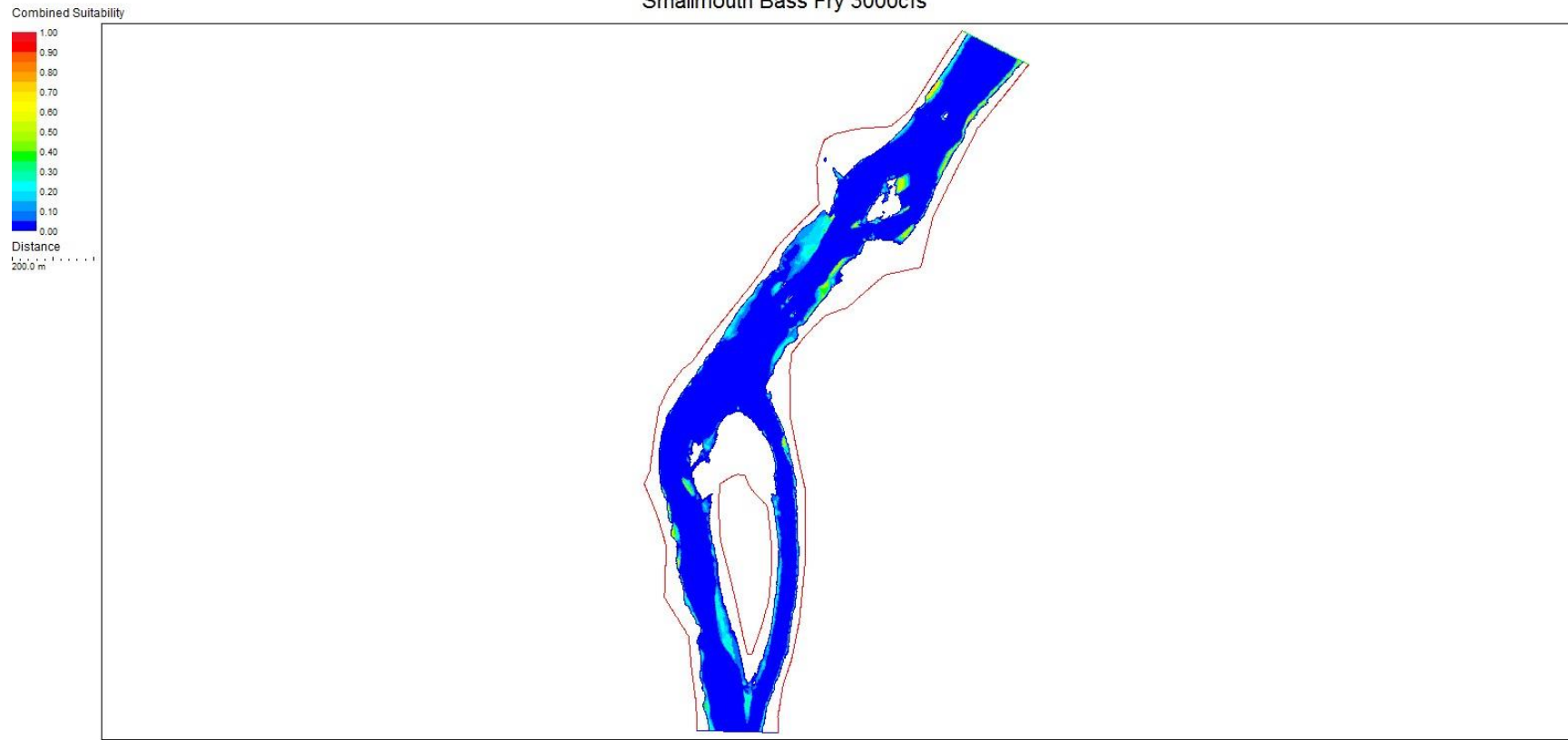


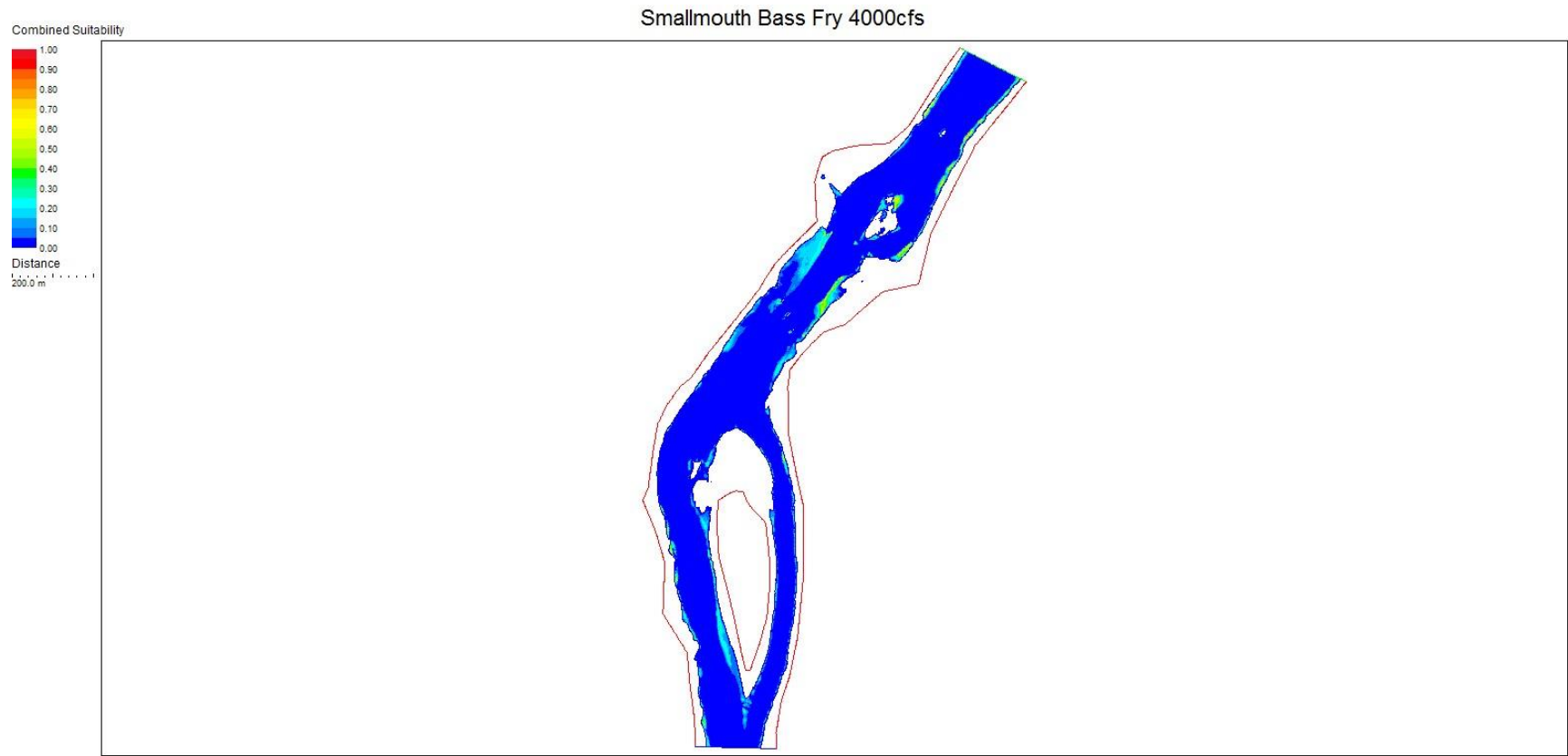
Smallmouth Bass Fry 1000cfs

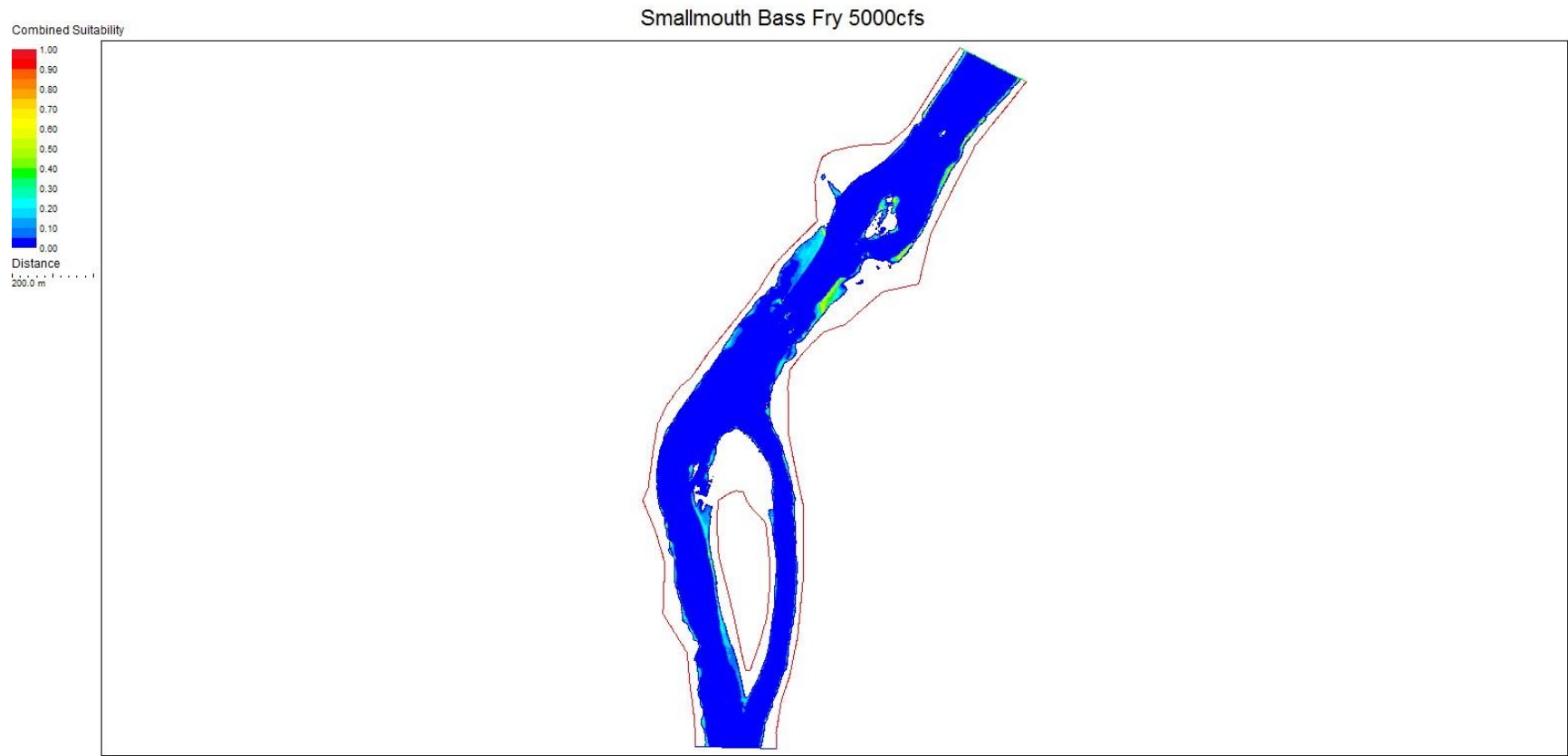


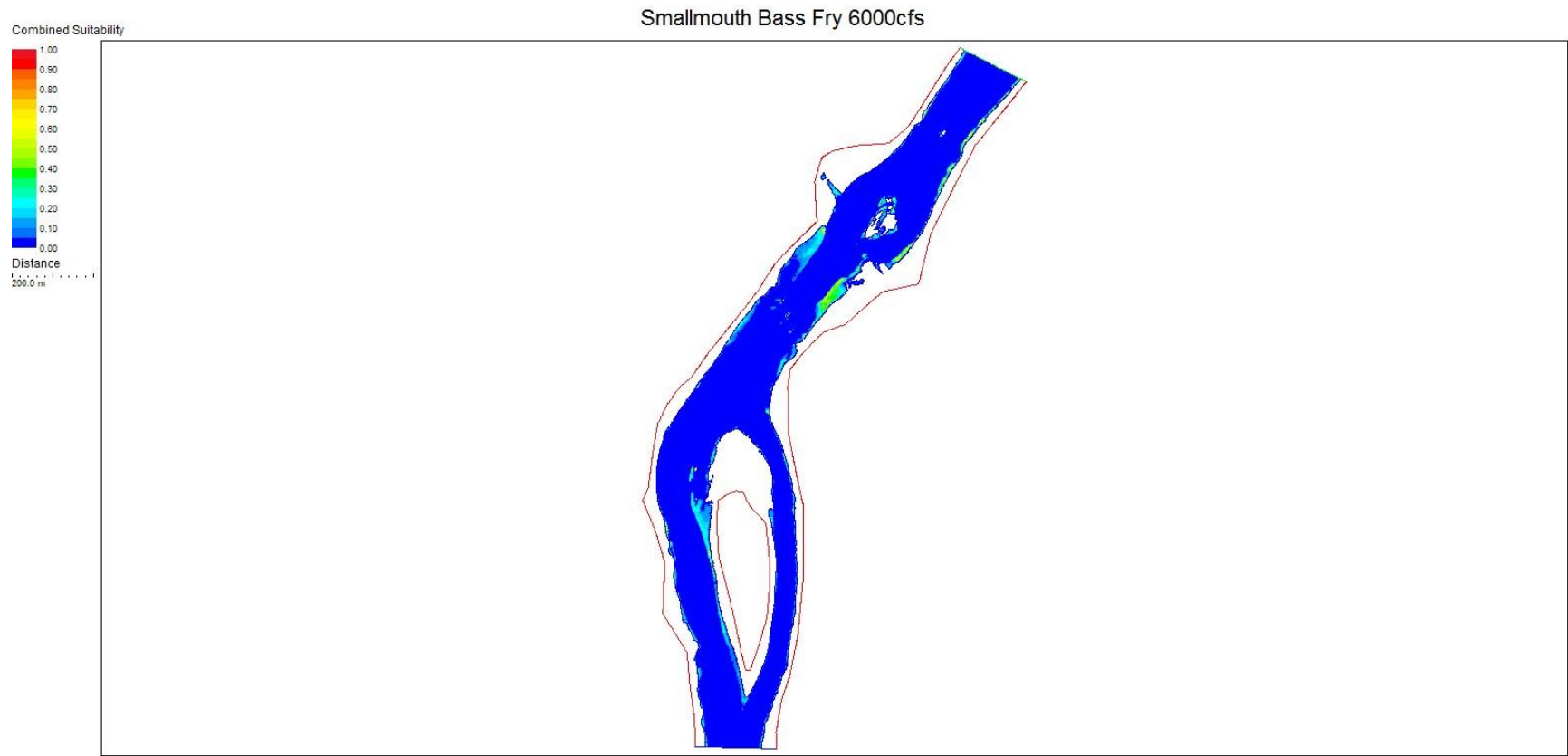


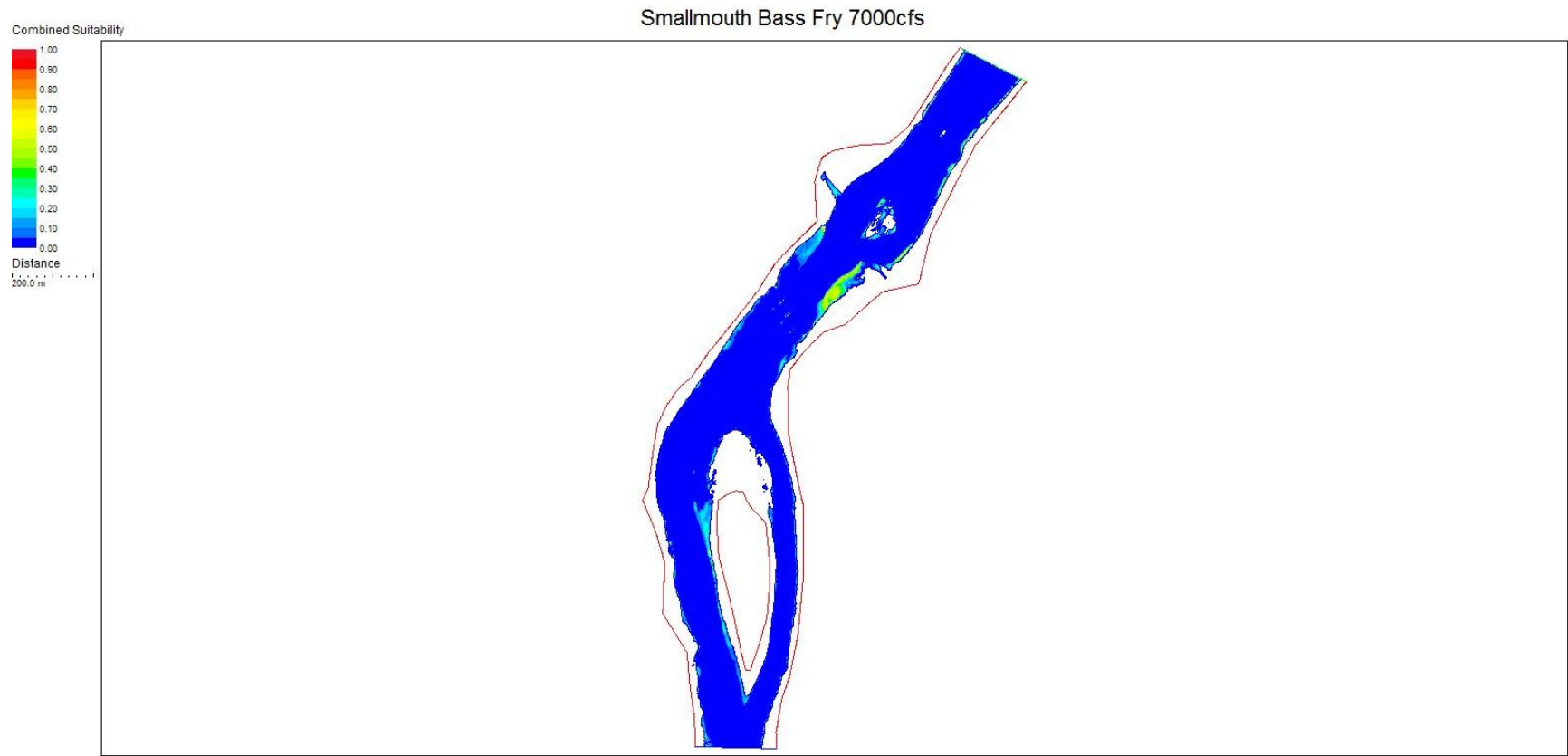
Smallmouth Bass Fry 3000cfs

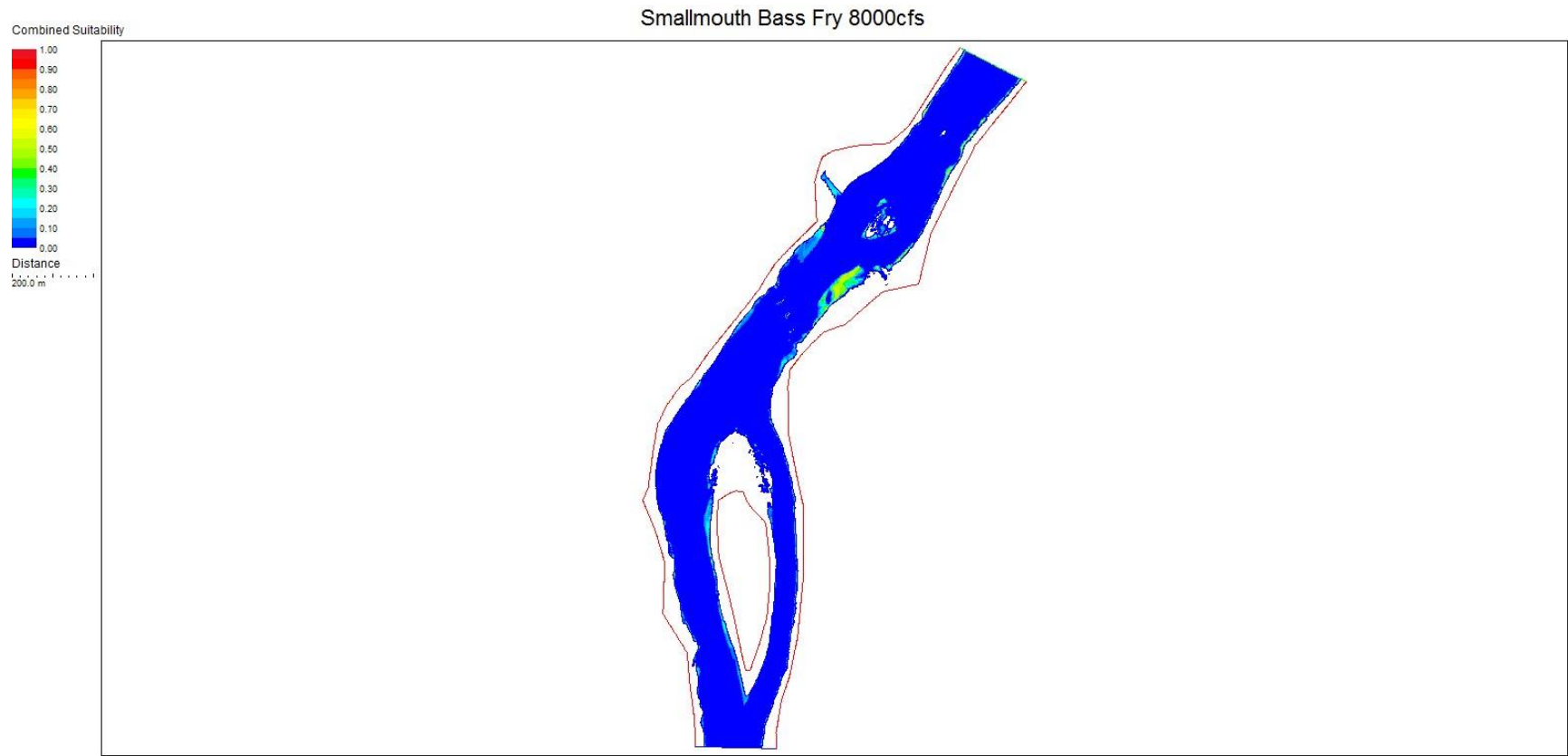


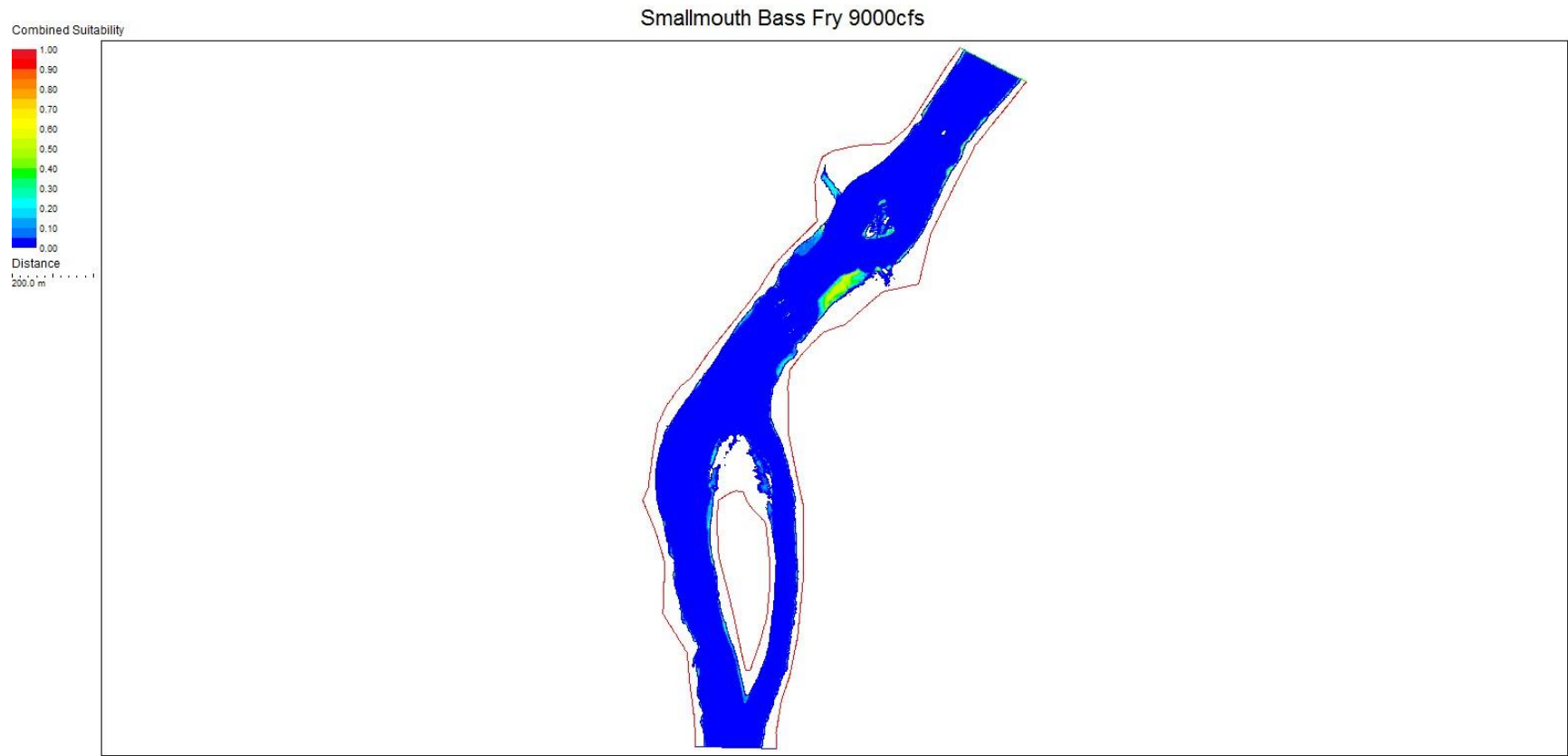


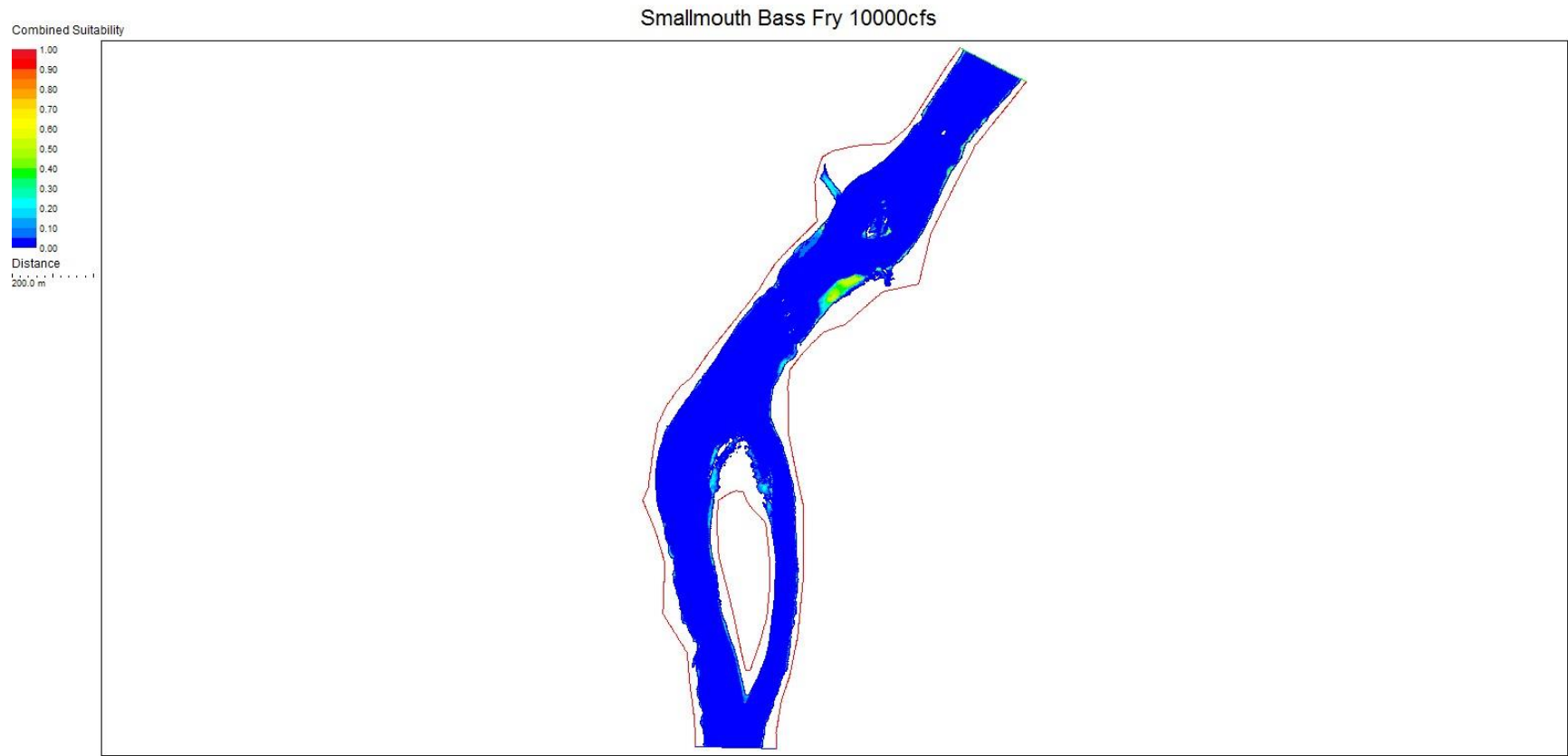




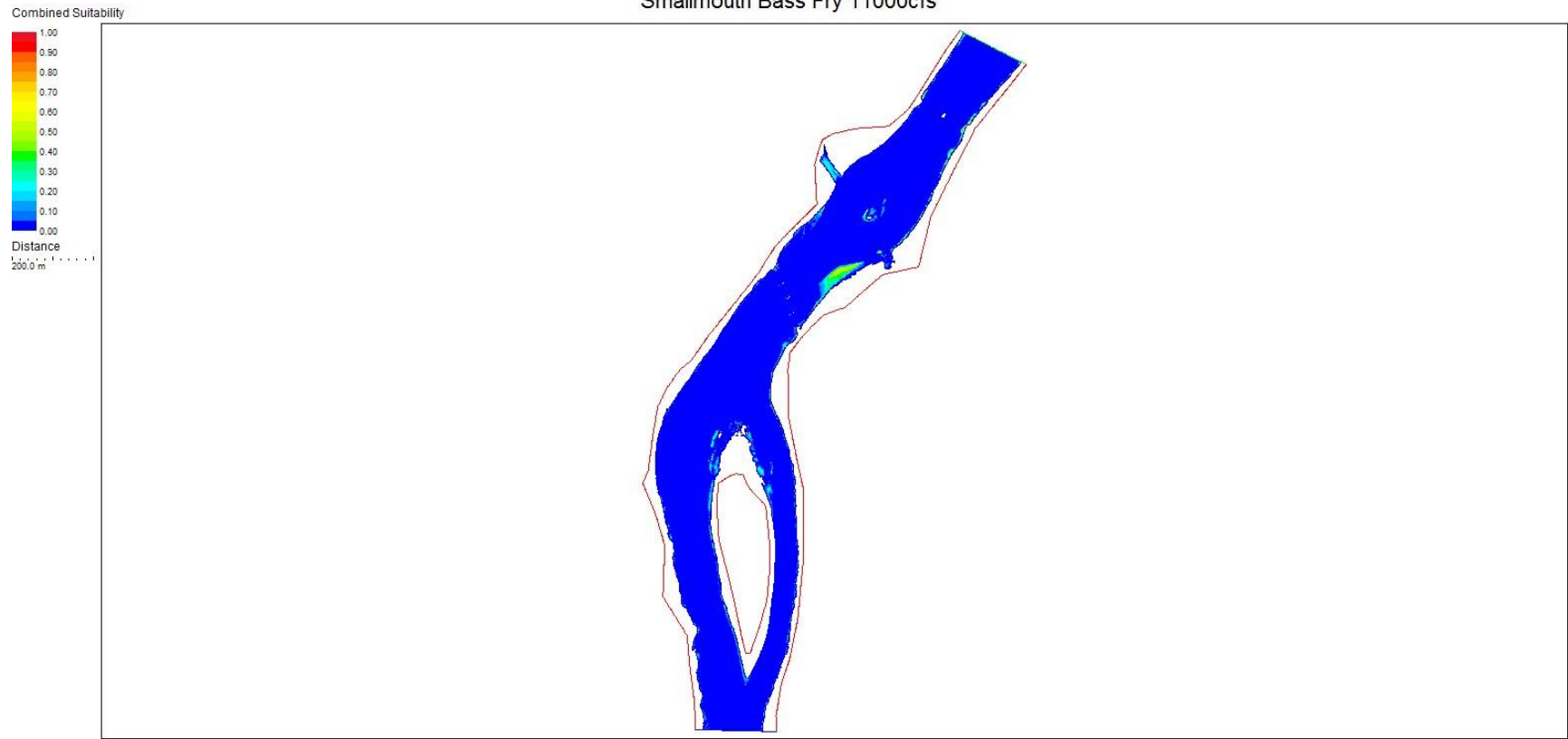


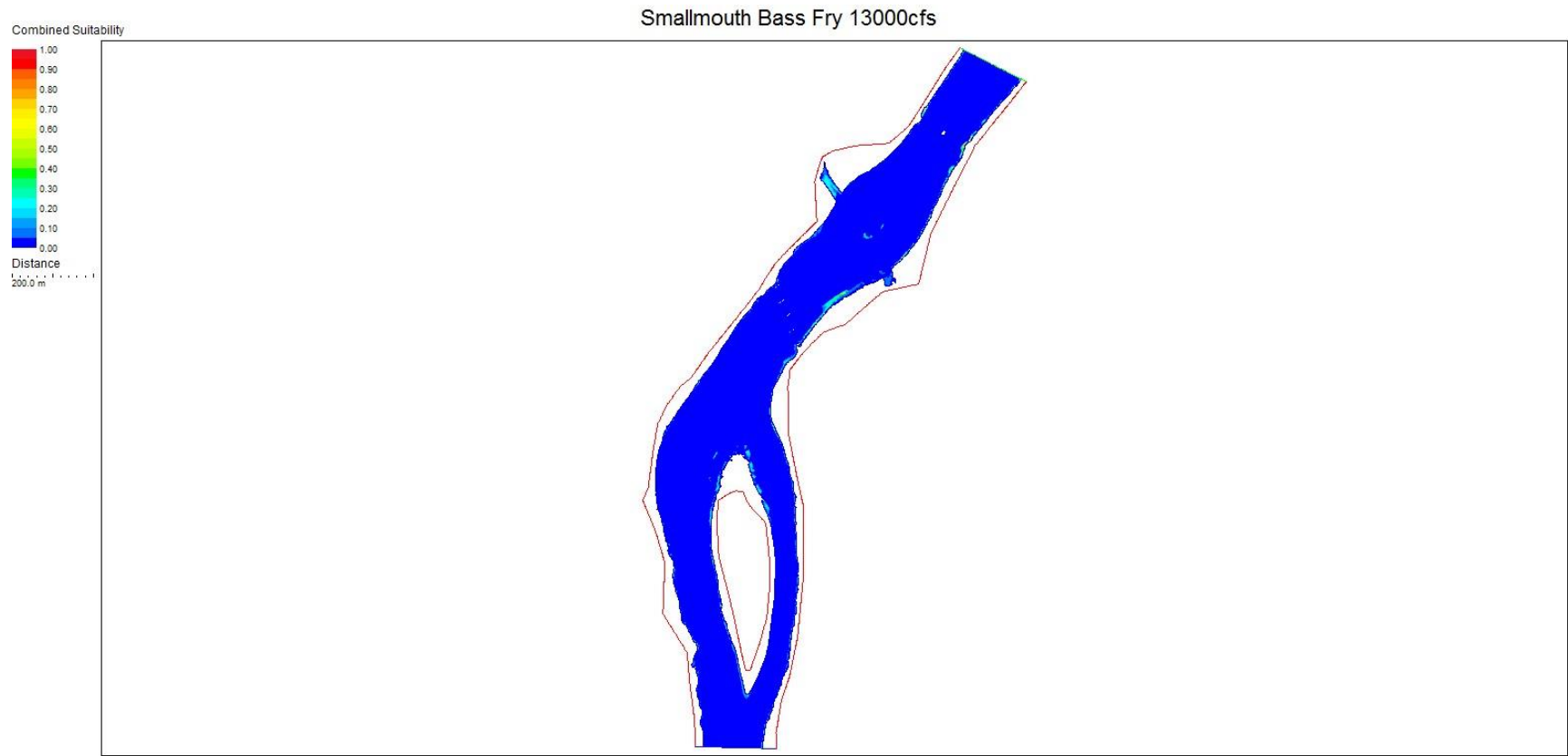


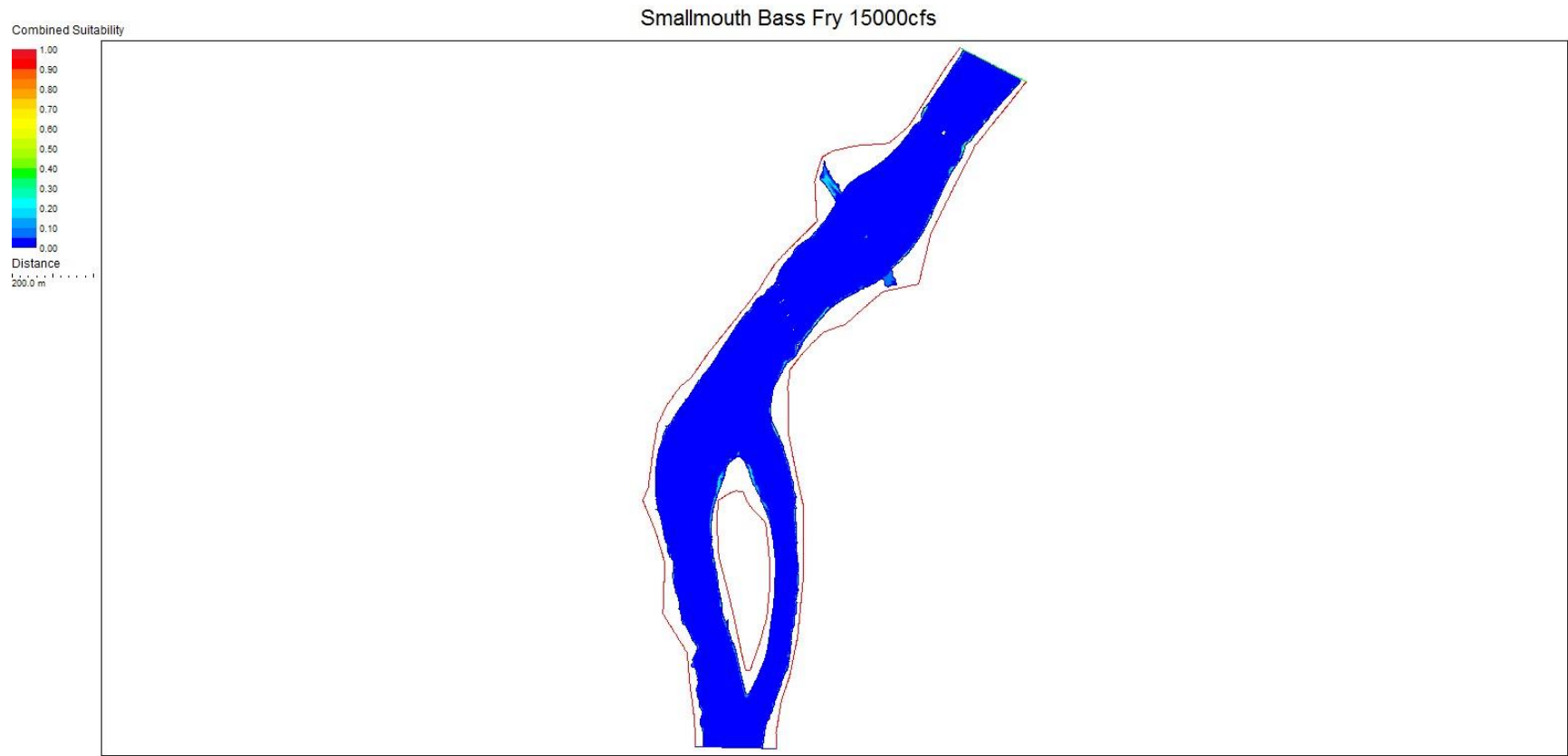


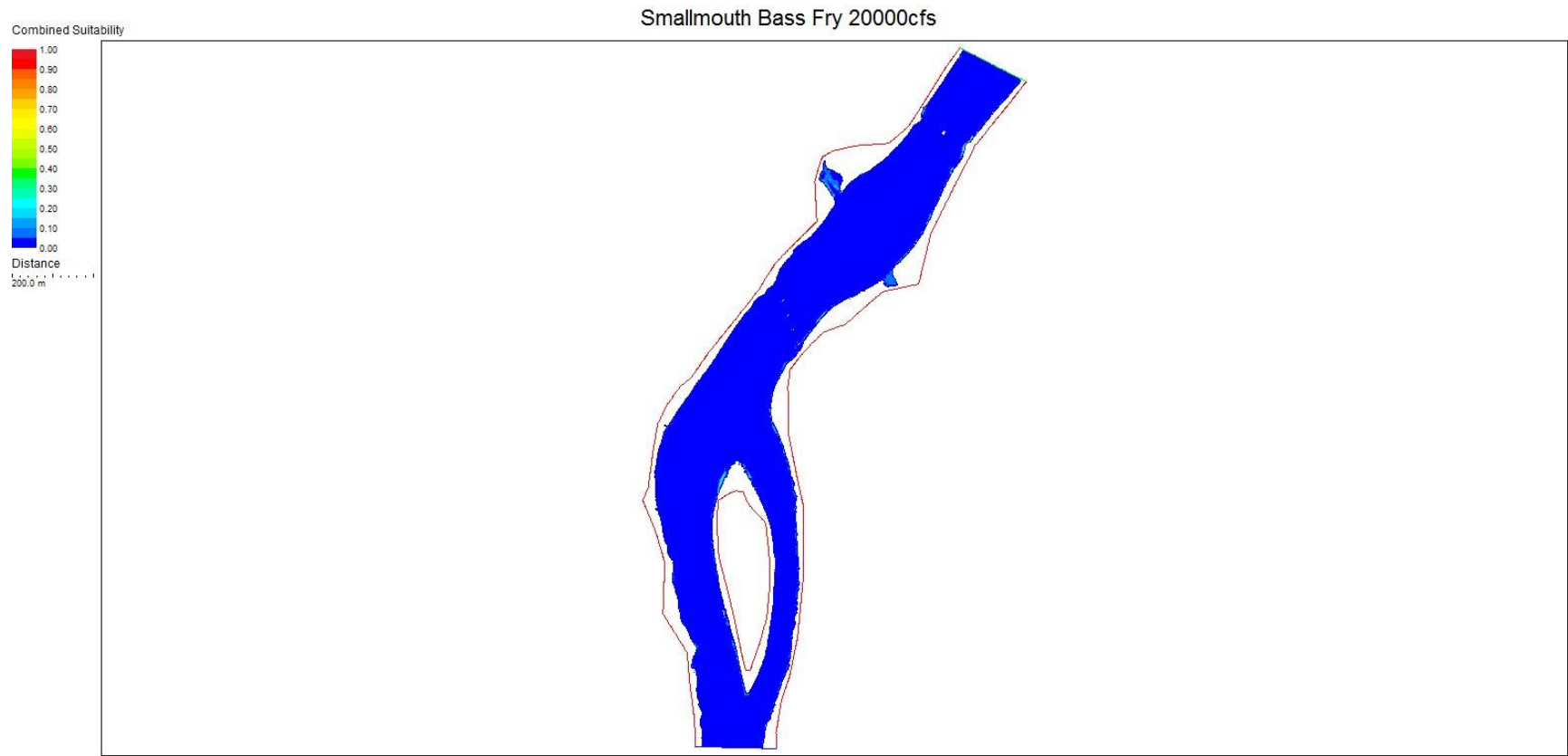


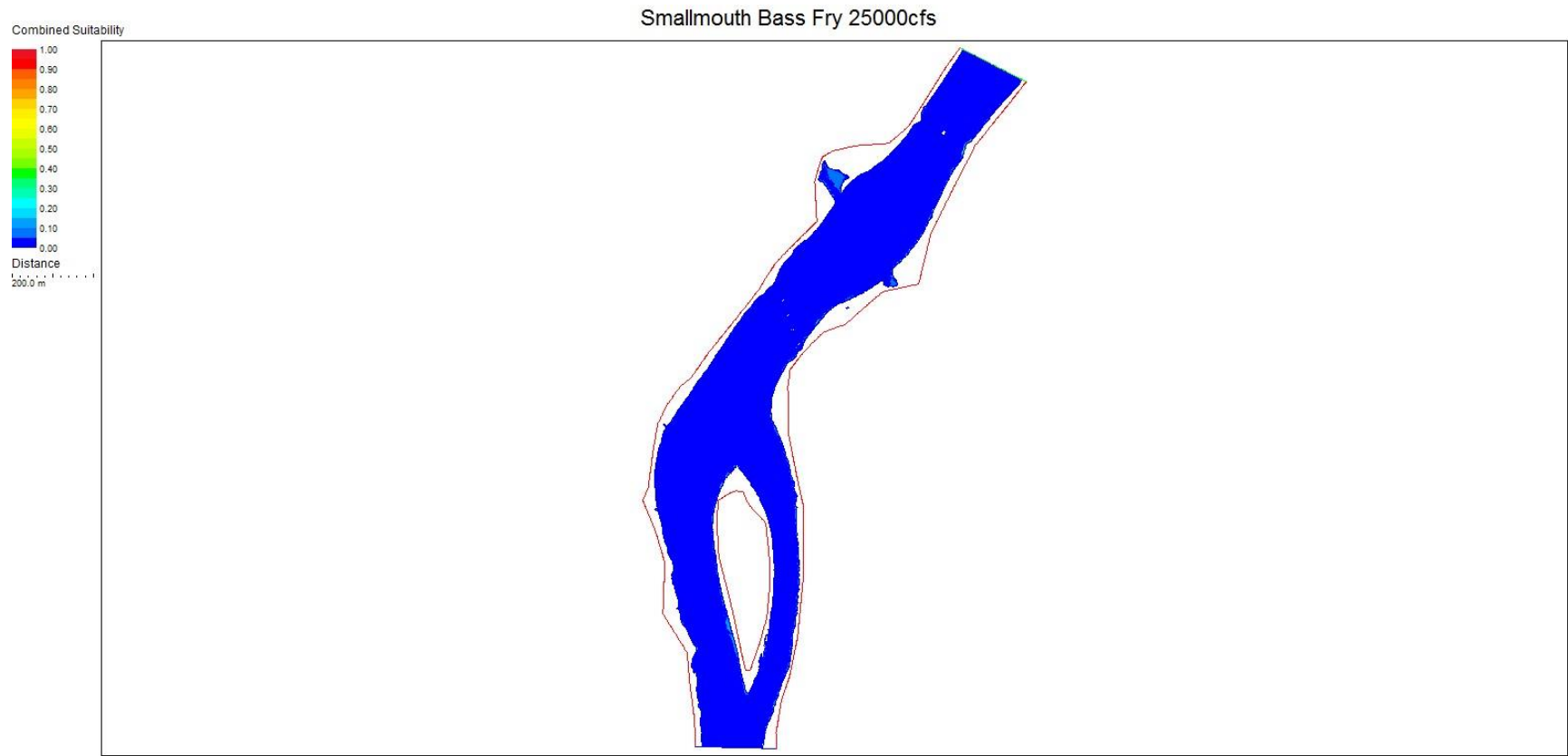
Smallmouth Bass Fry 11000cfs



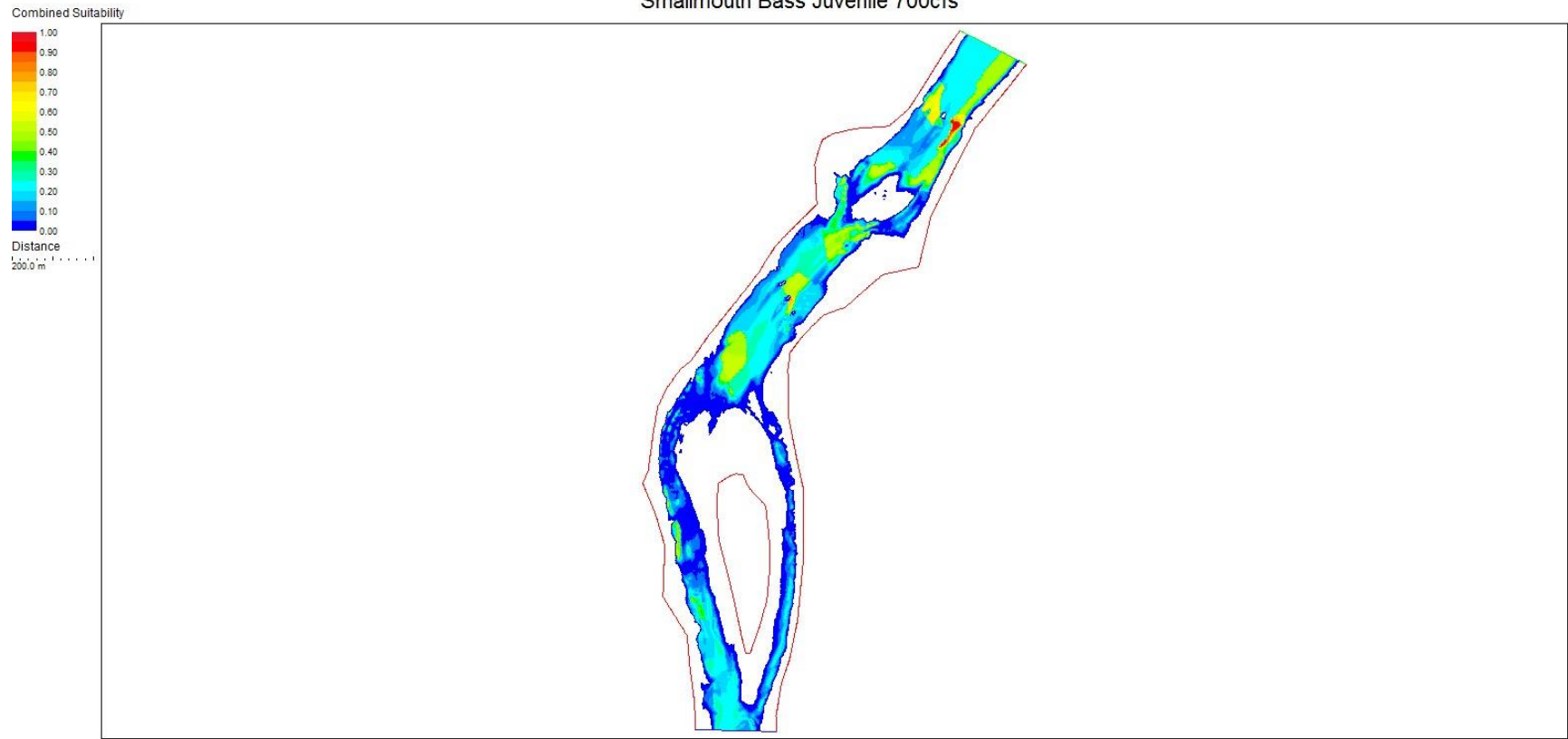


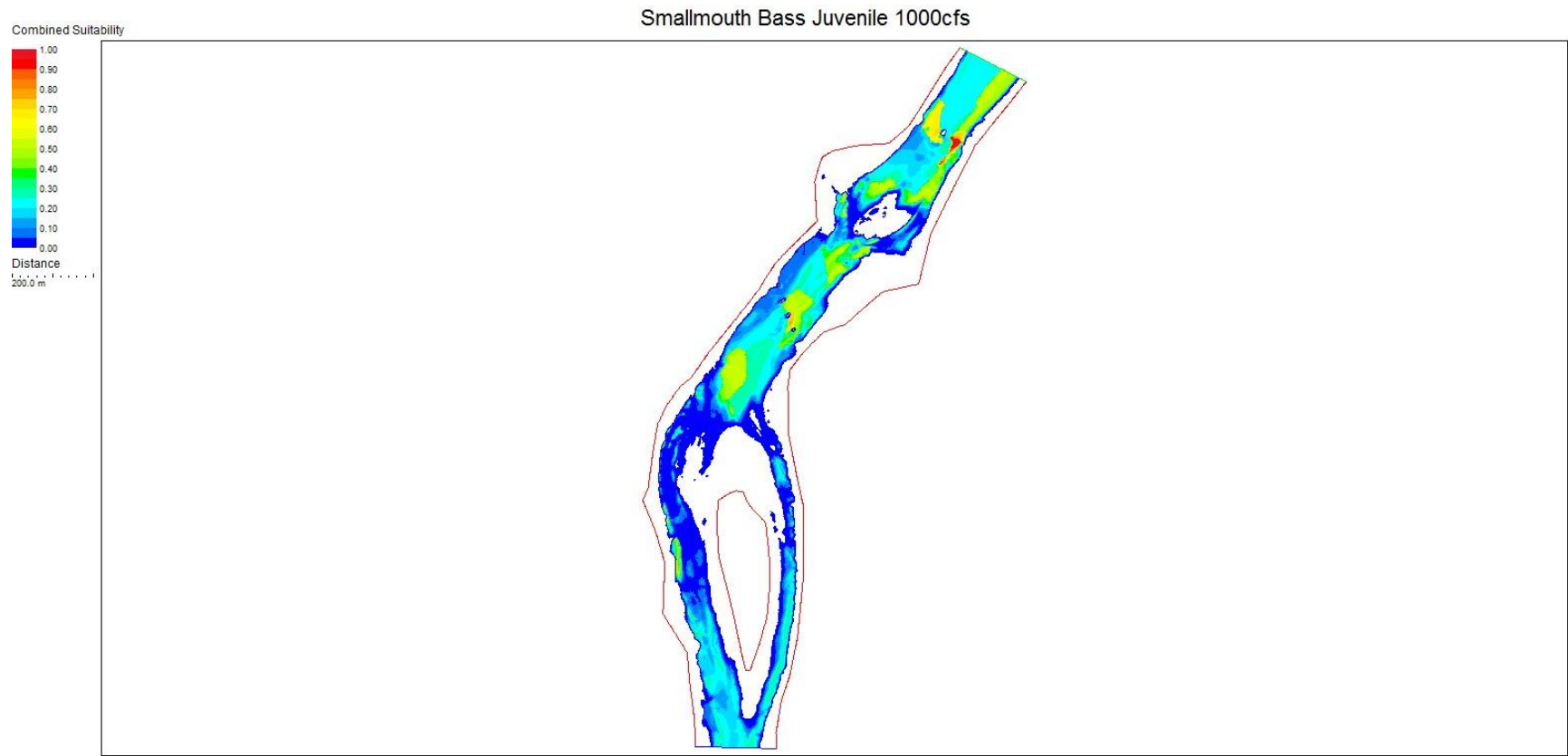


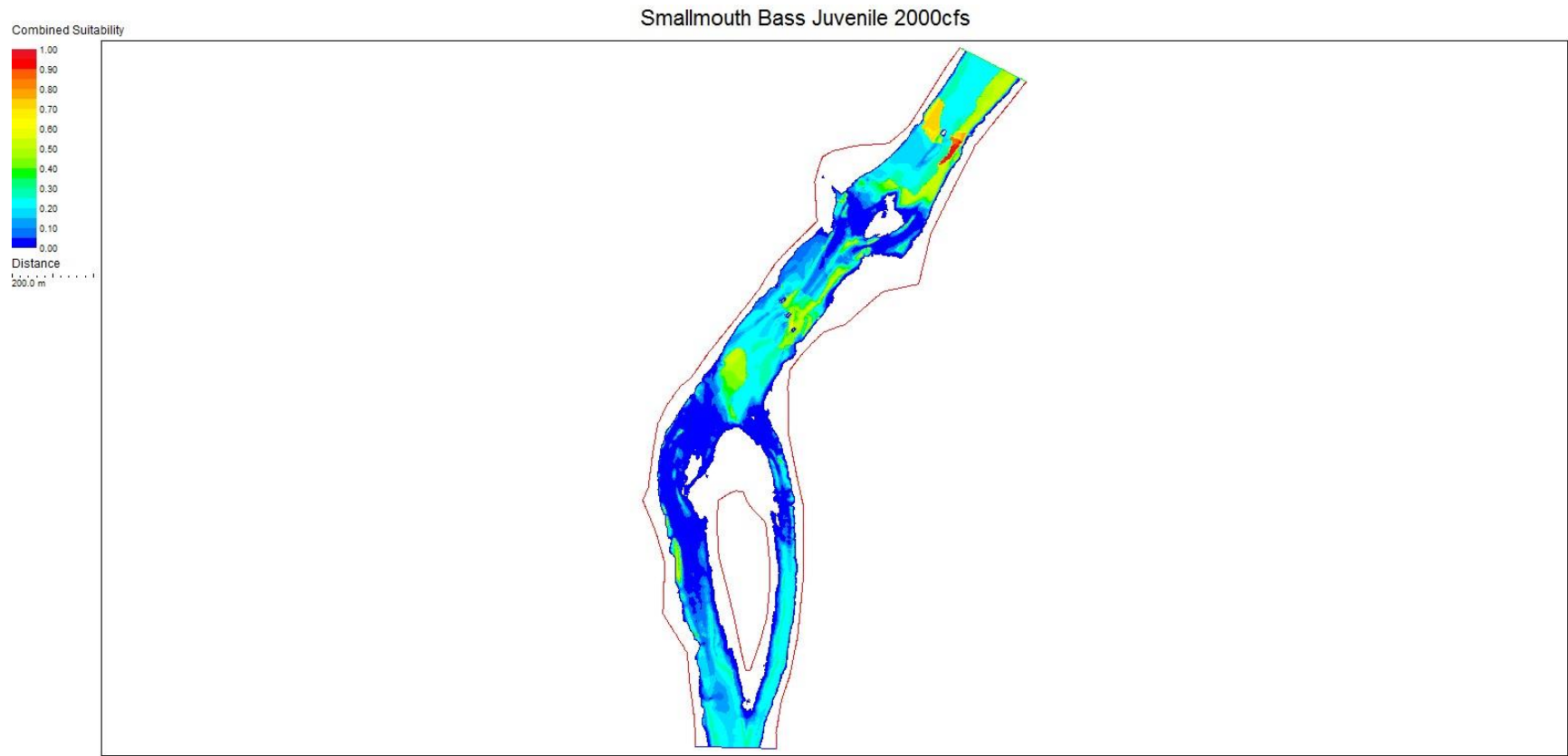




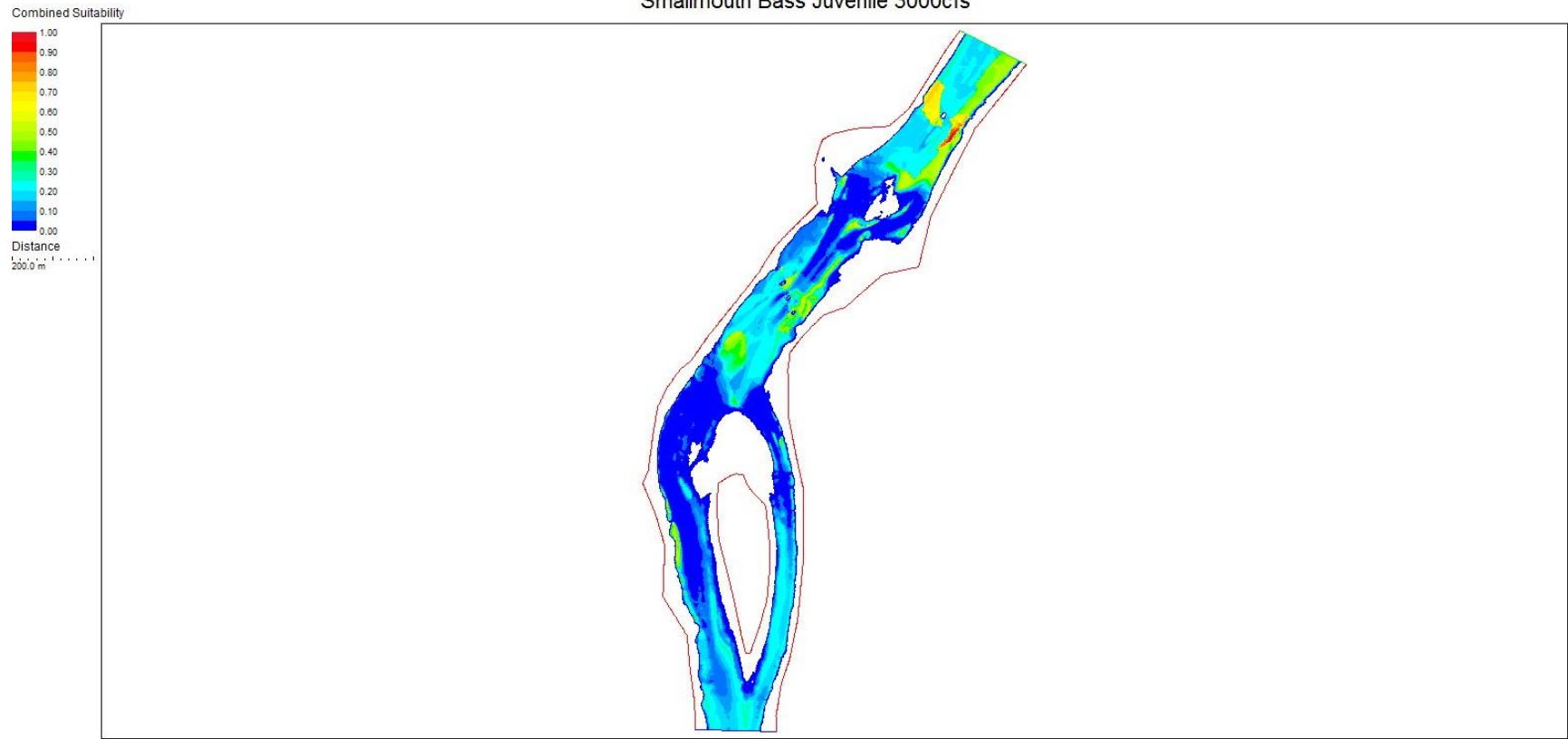
Smallmouth Bass Juvenile 700cfs



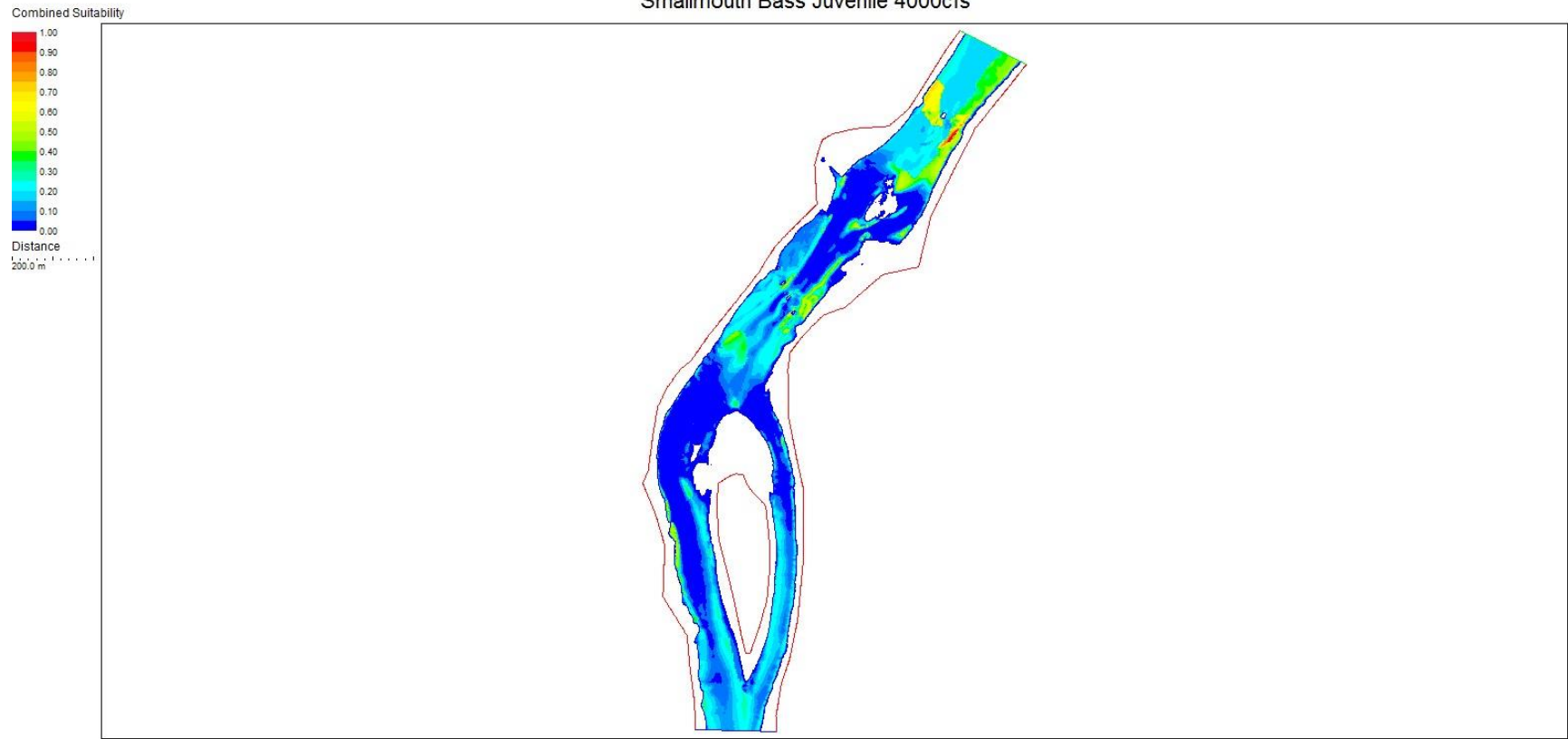




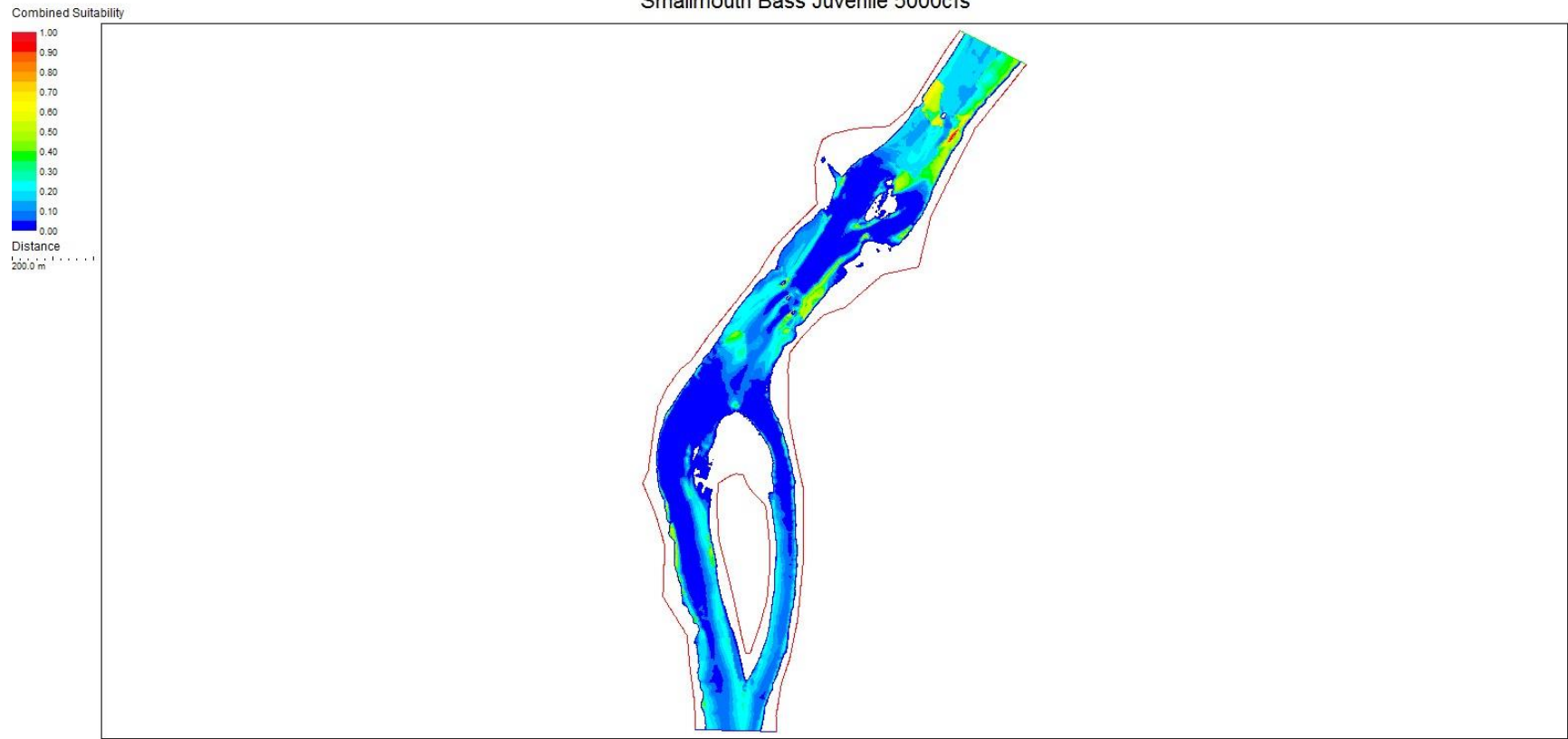
Smallmouth Bass Juvenile 3000cfs



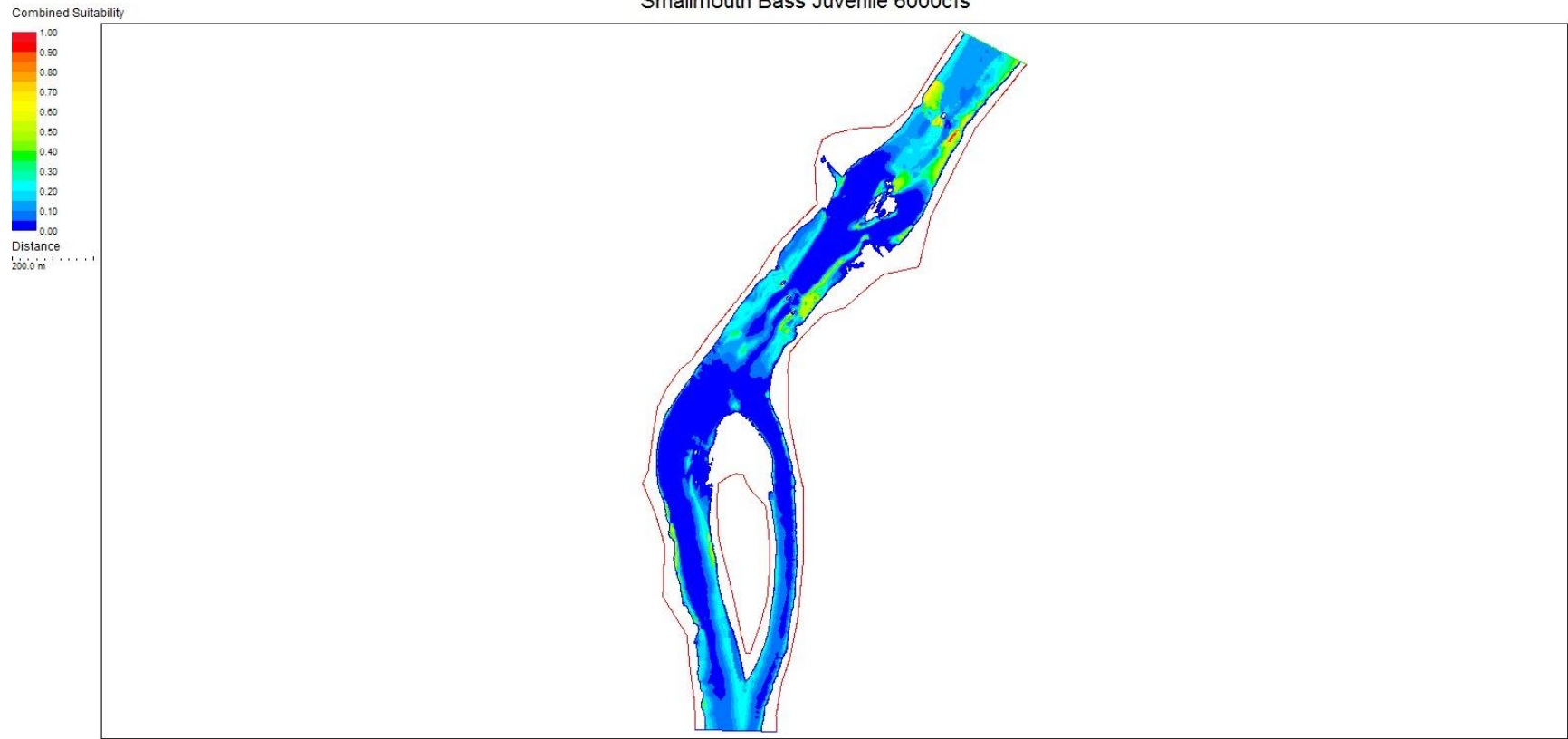
Smallmouth Bass Juvenile 4000cfs



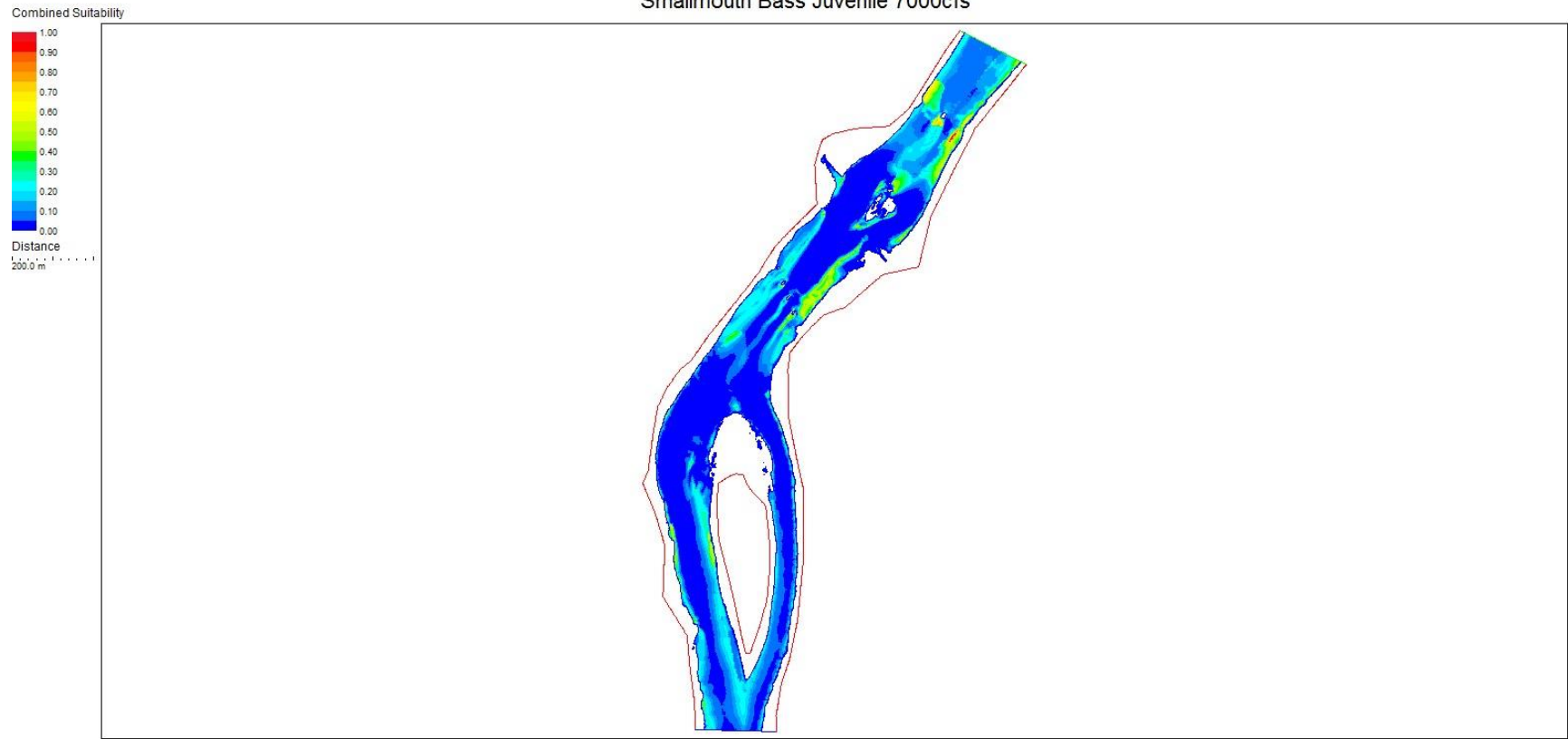
Smallmouth Bass Juvenile 5000cfs



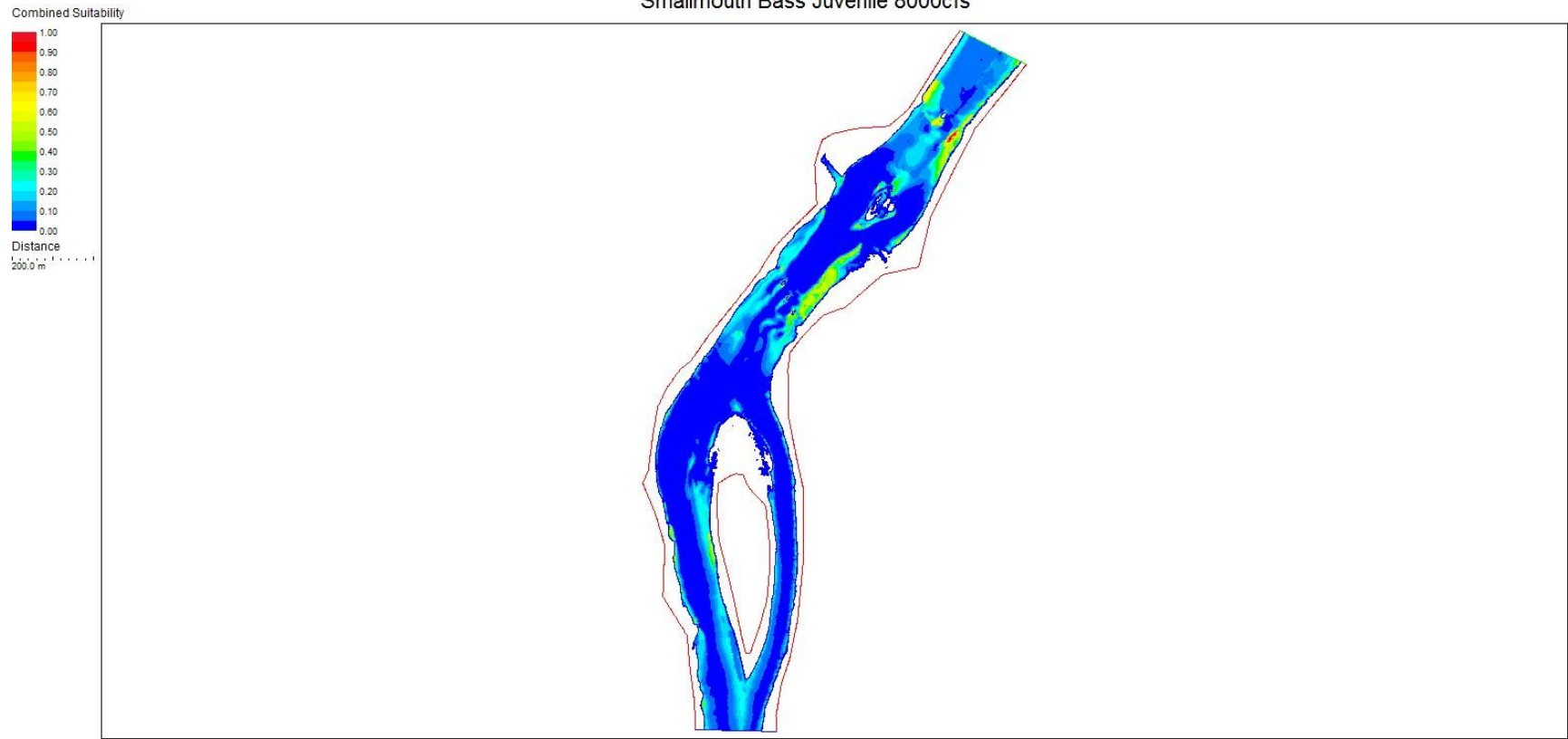
Smallmouth Bass Juvenile 6000cfs

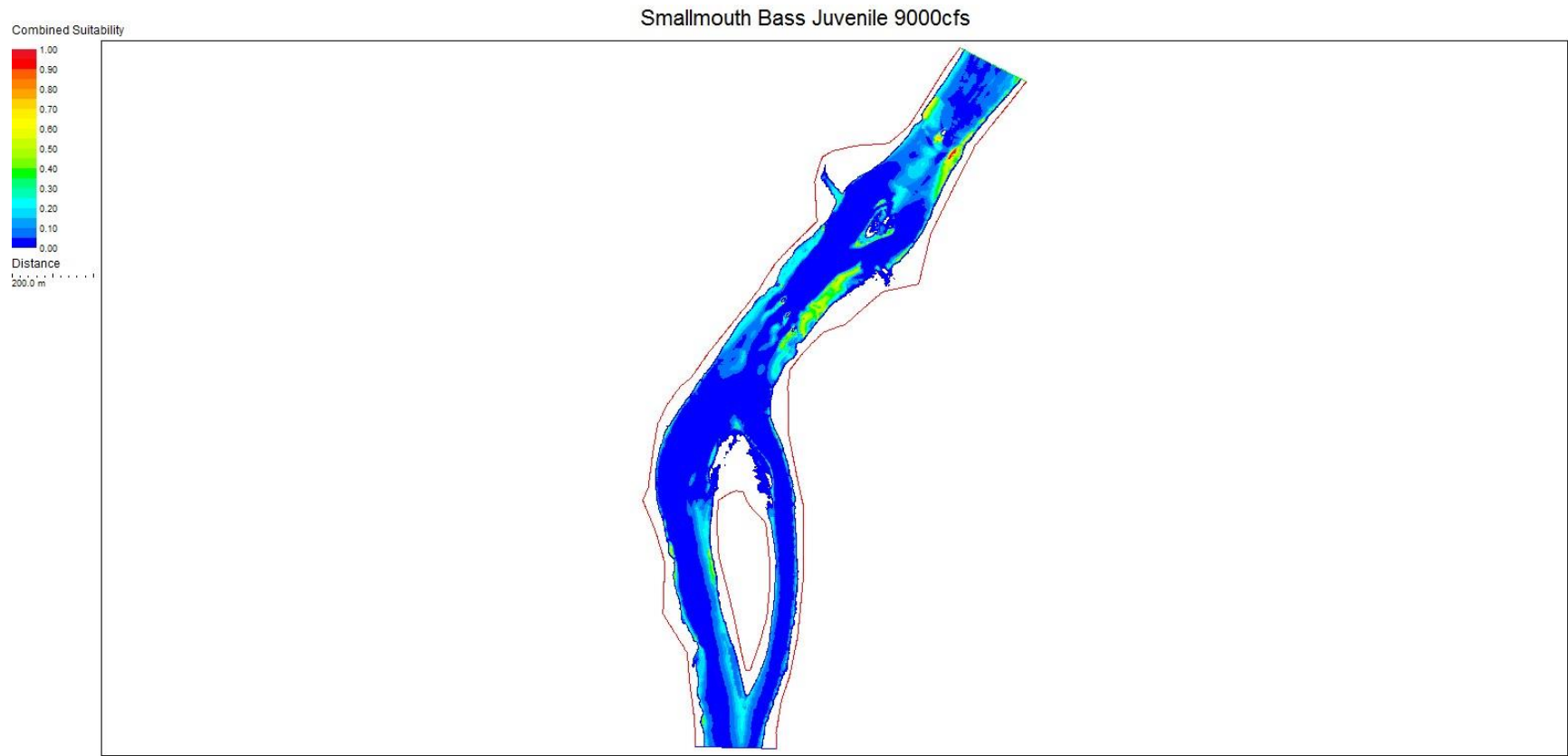


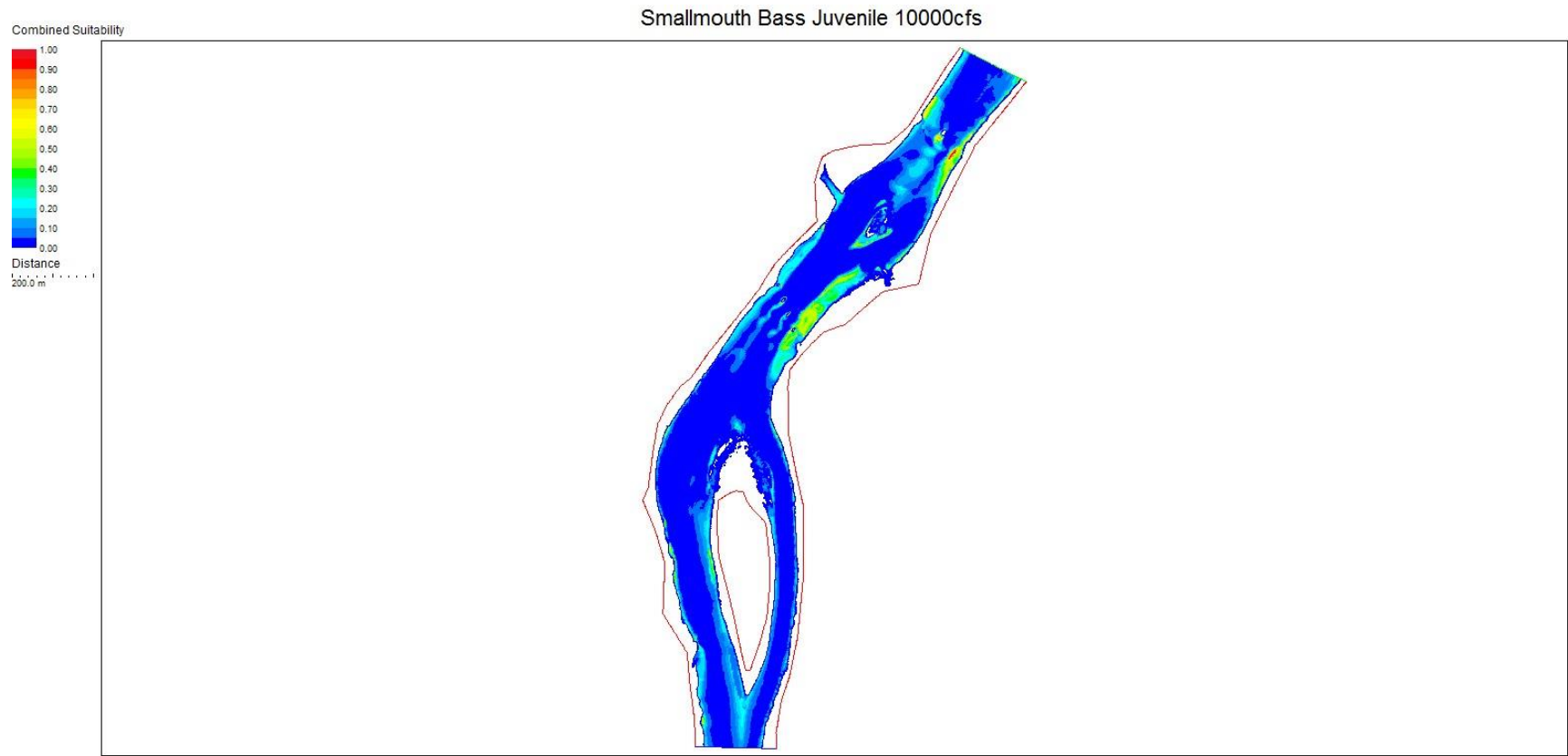
Smallmouth Bass Juvenile 7000cfs

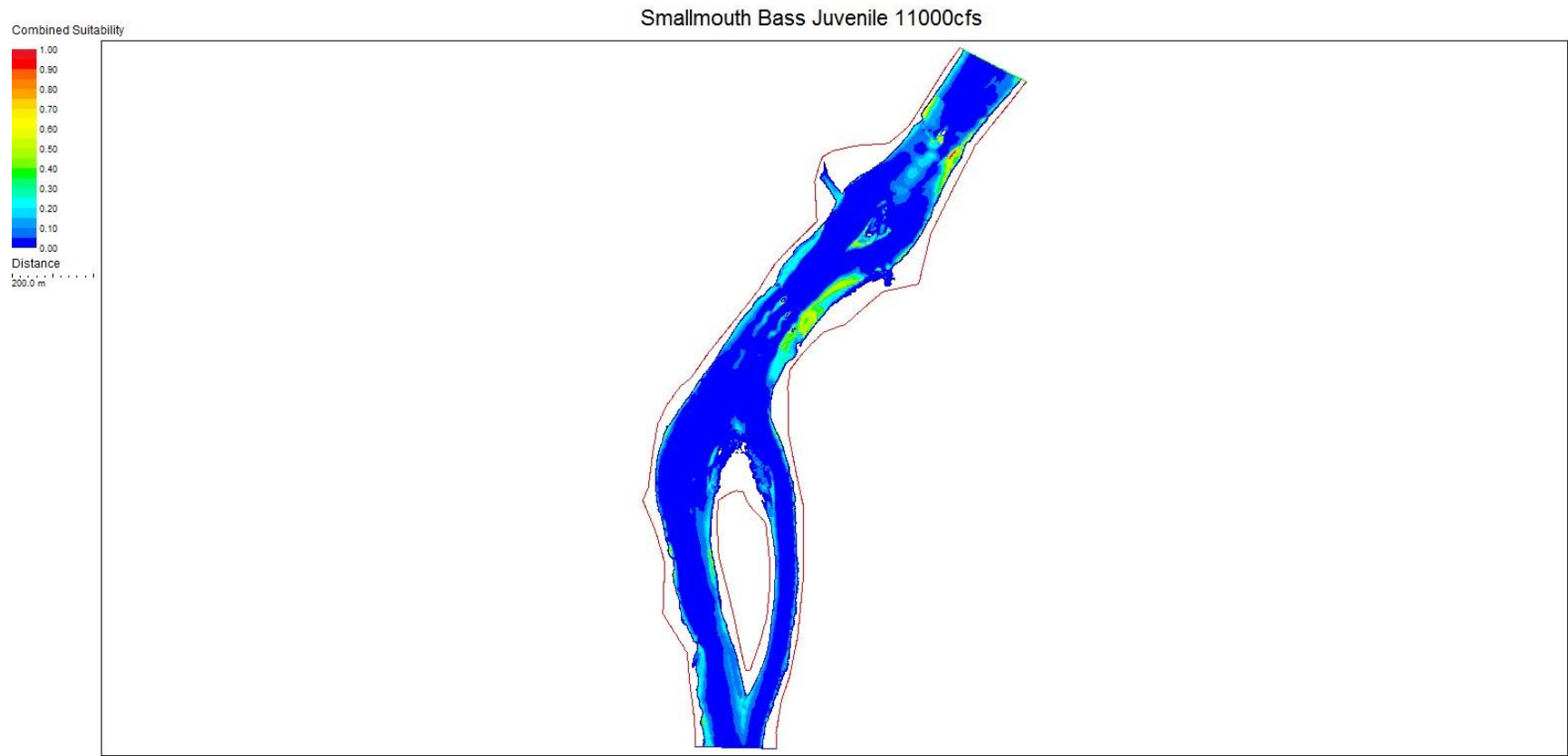


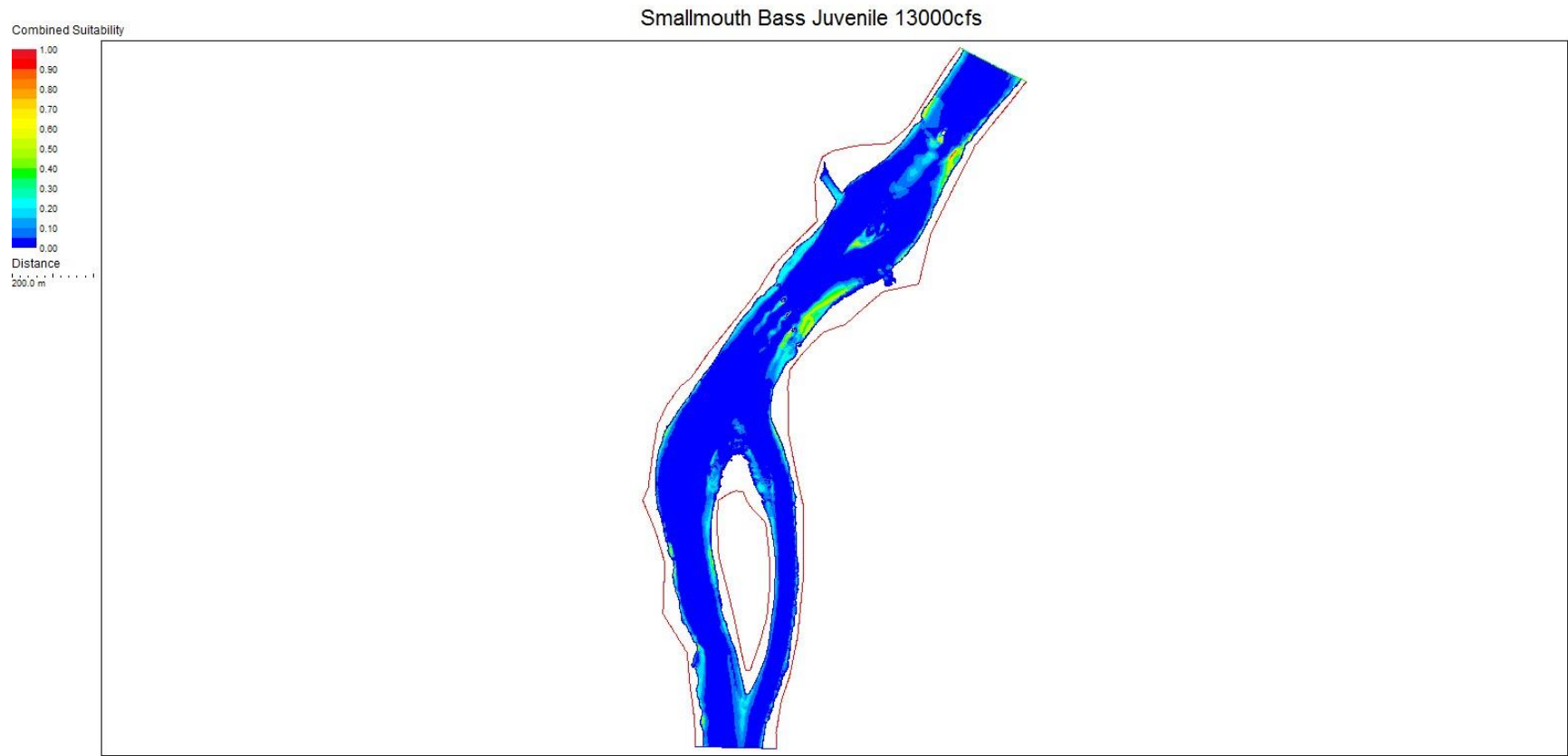
Smallmouth Bass Juvenile 8000cfs

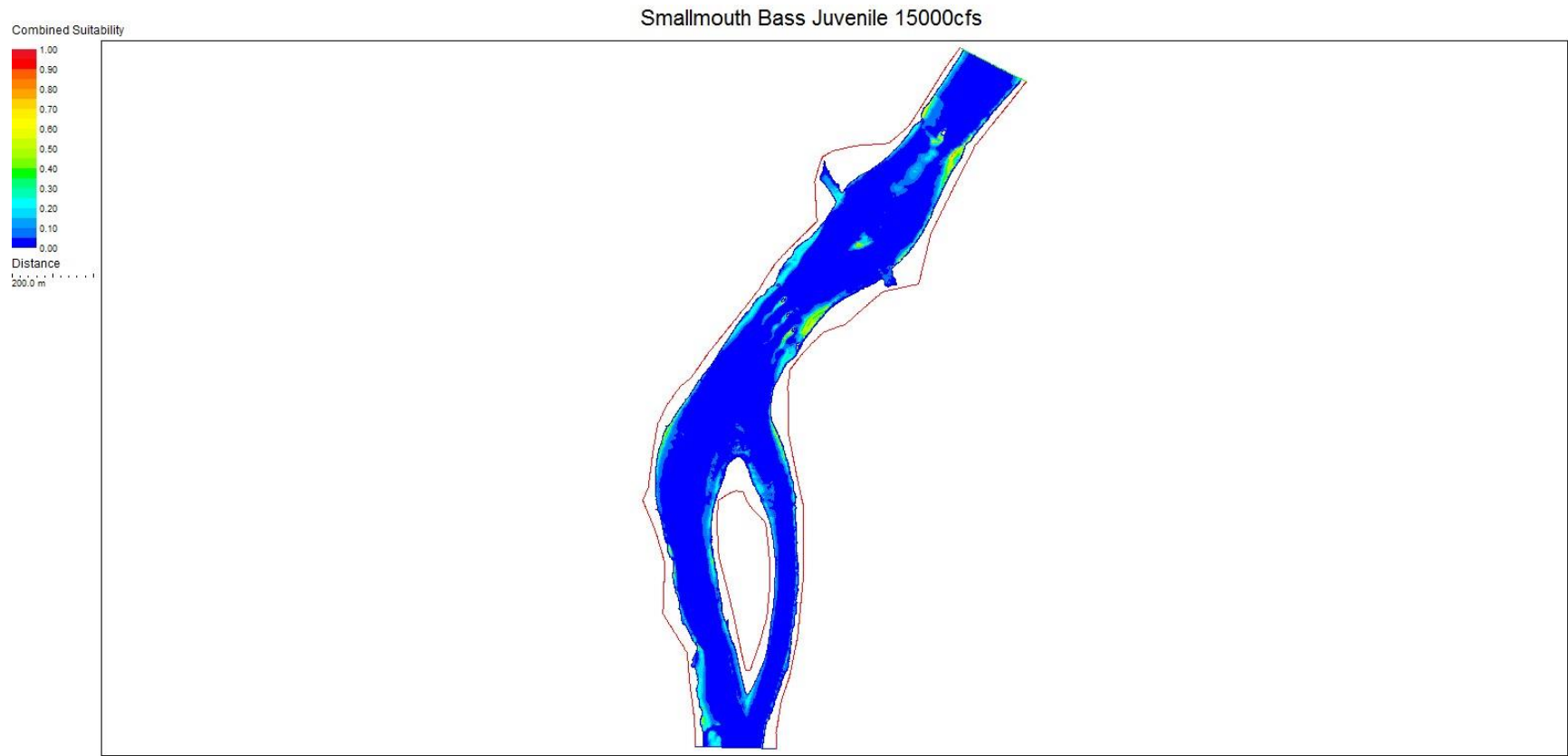


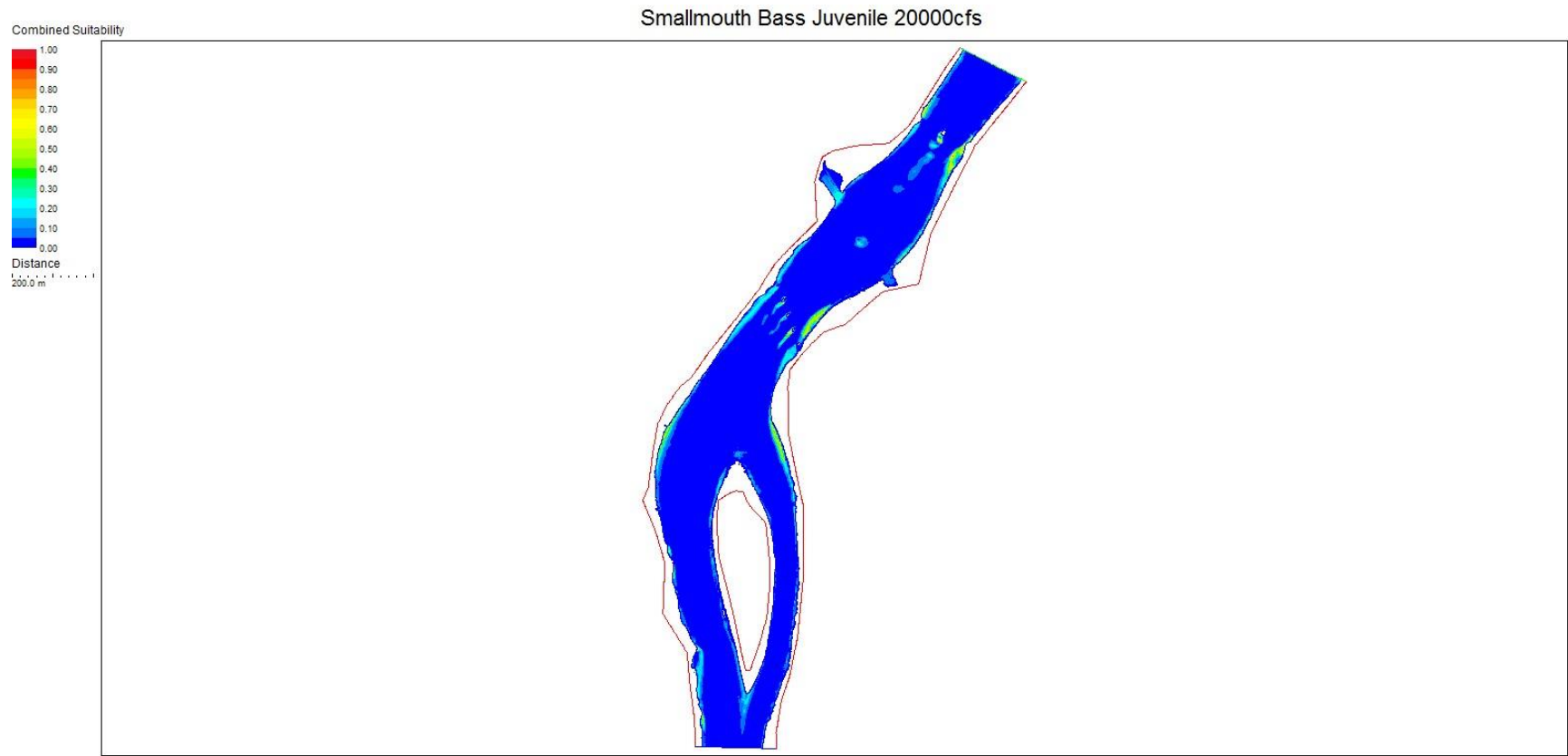


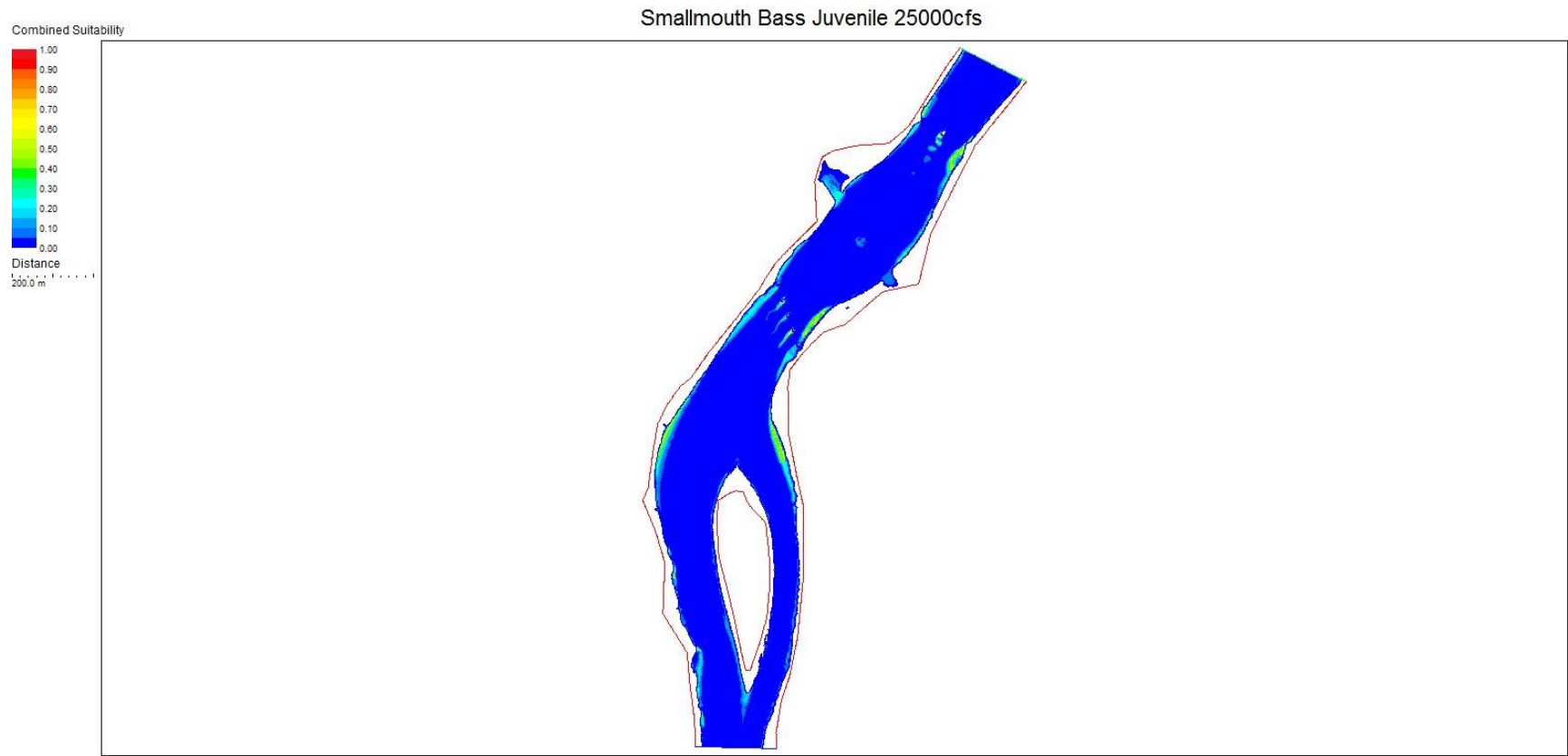




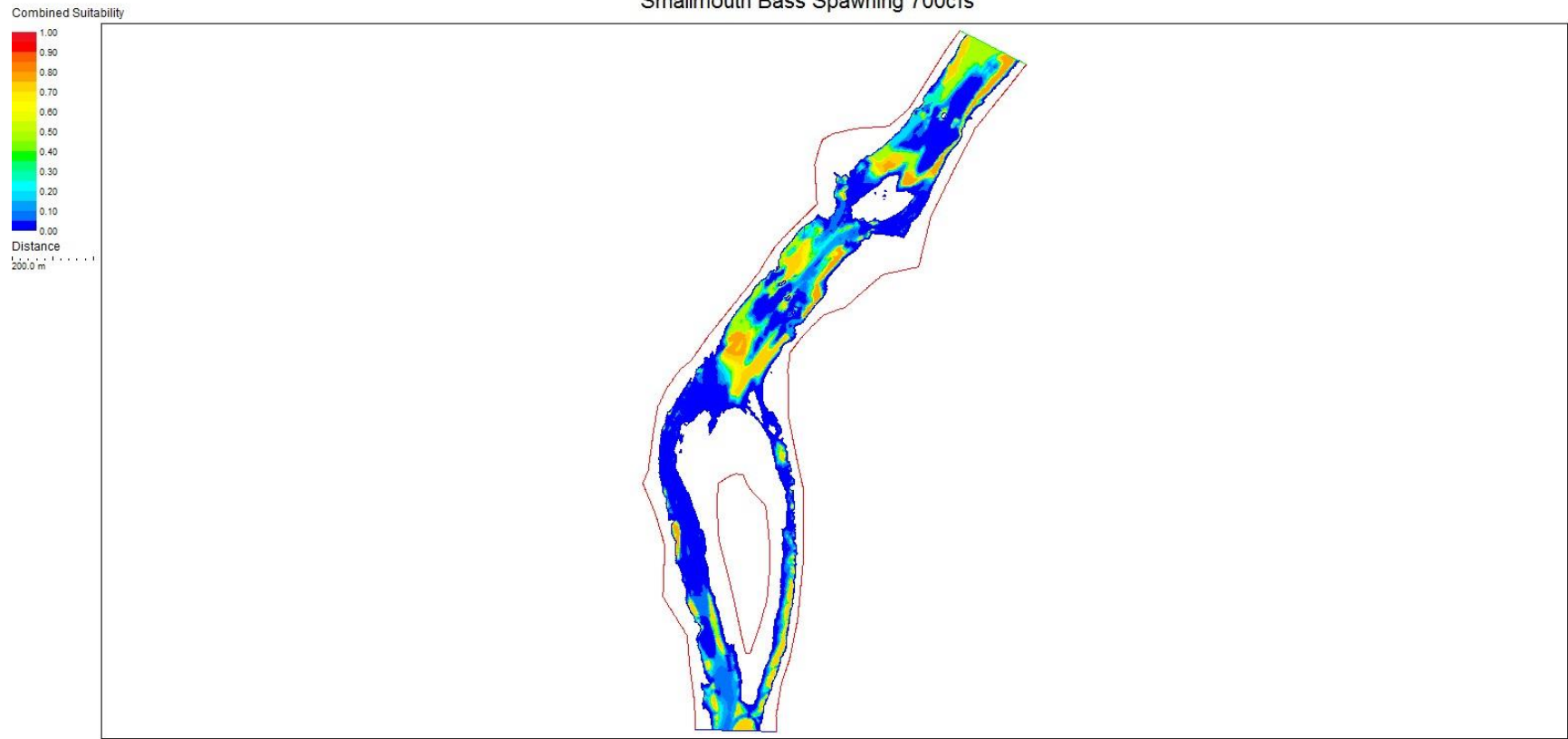


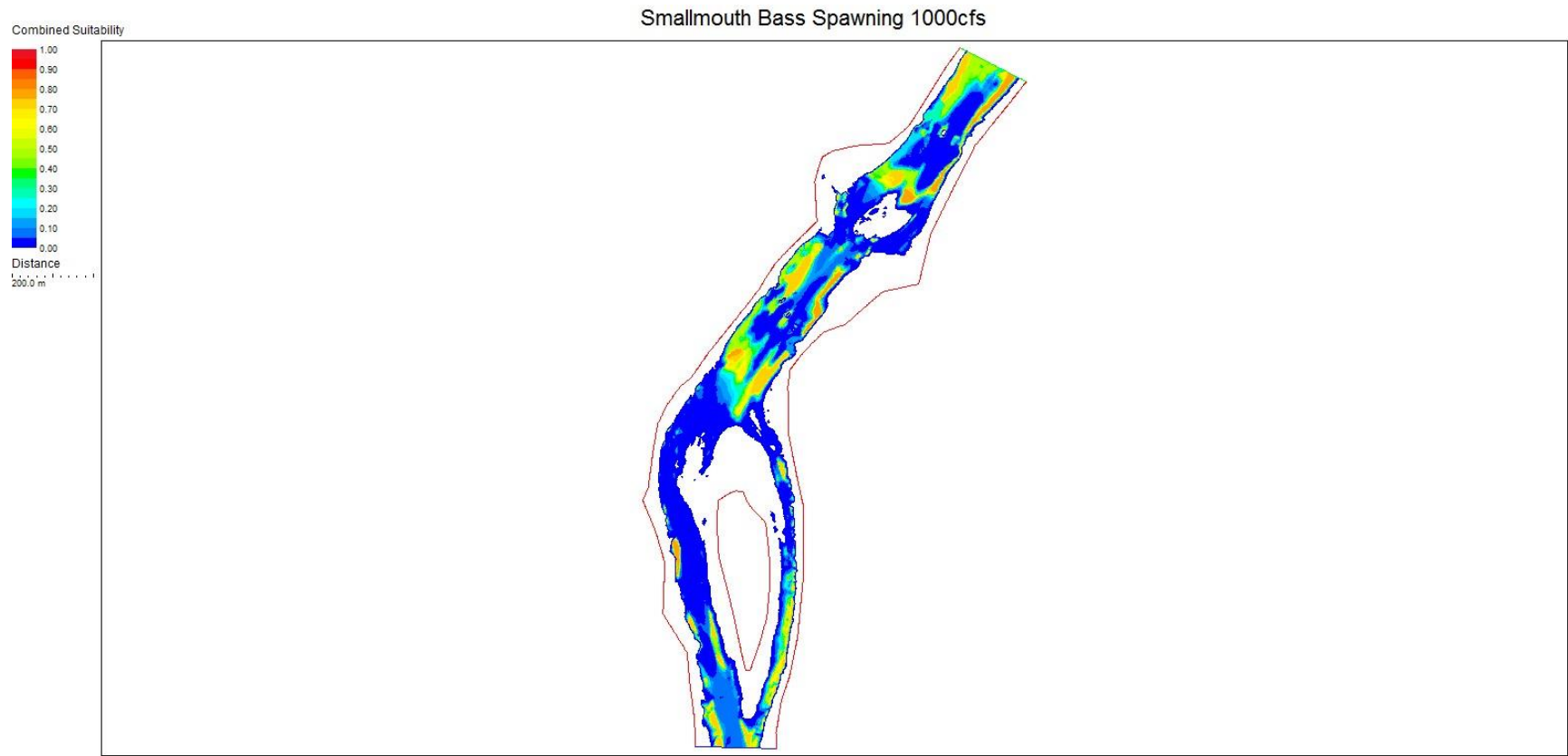


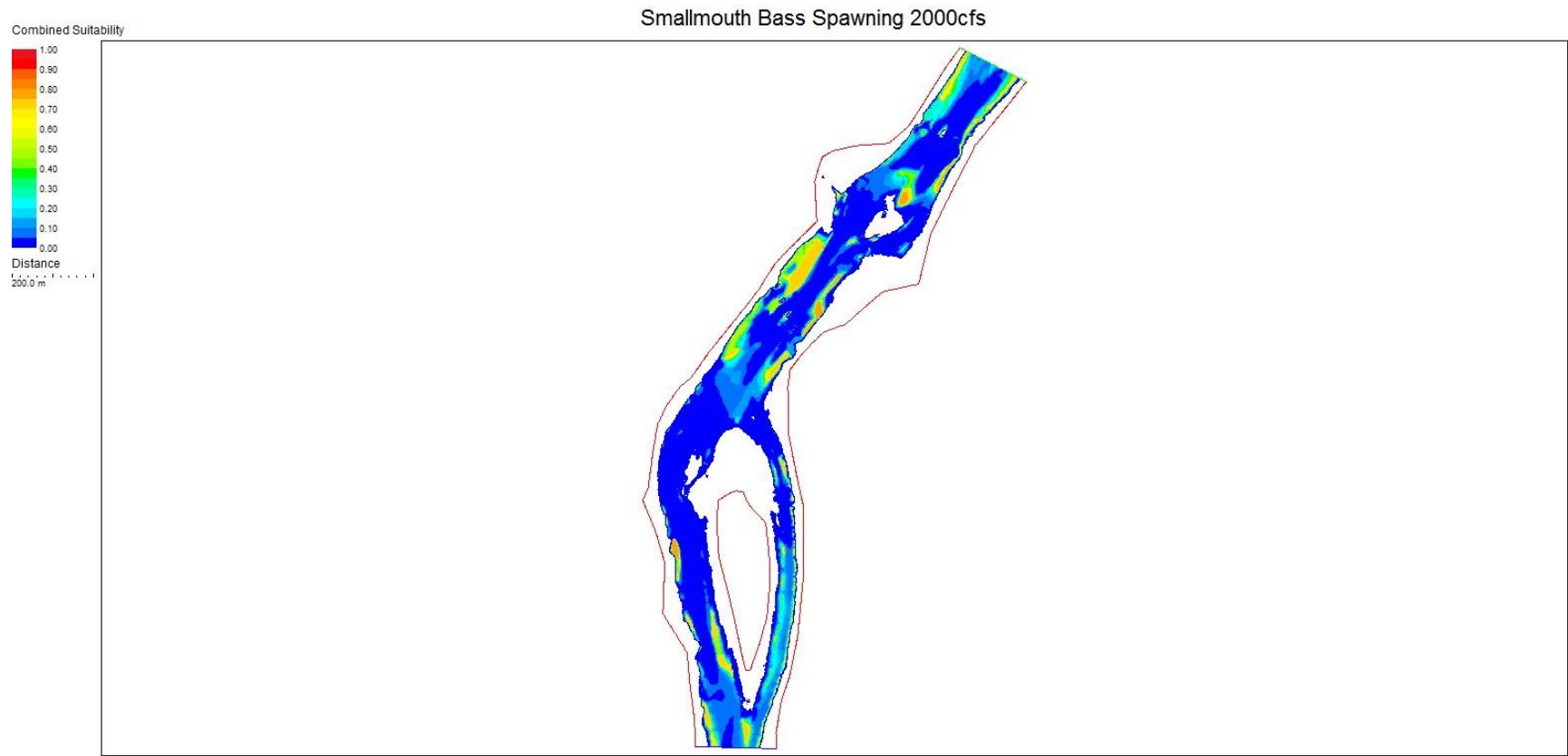


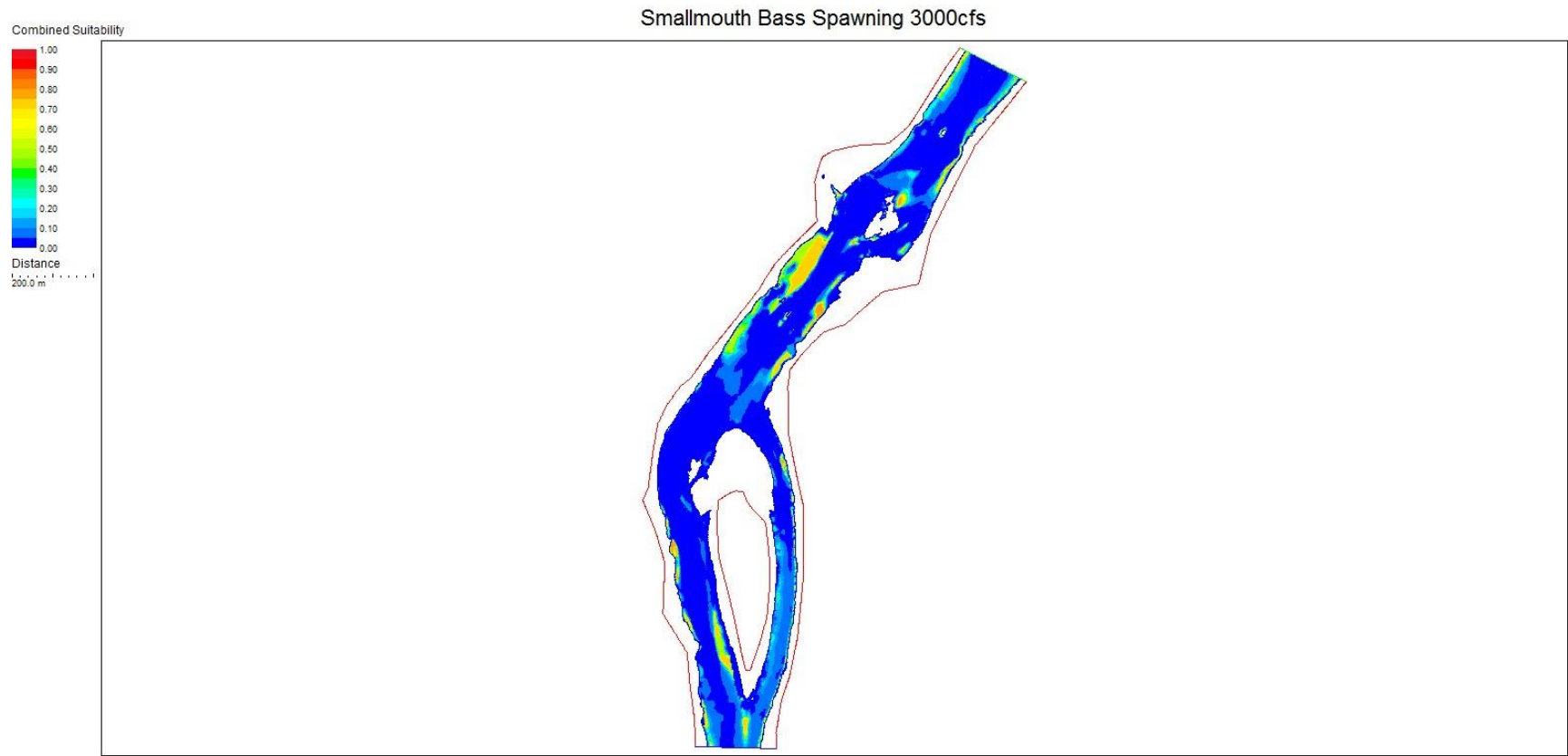


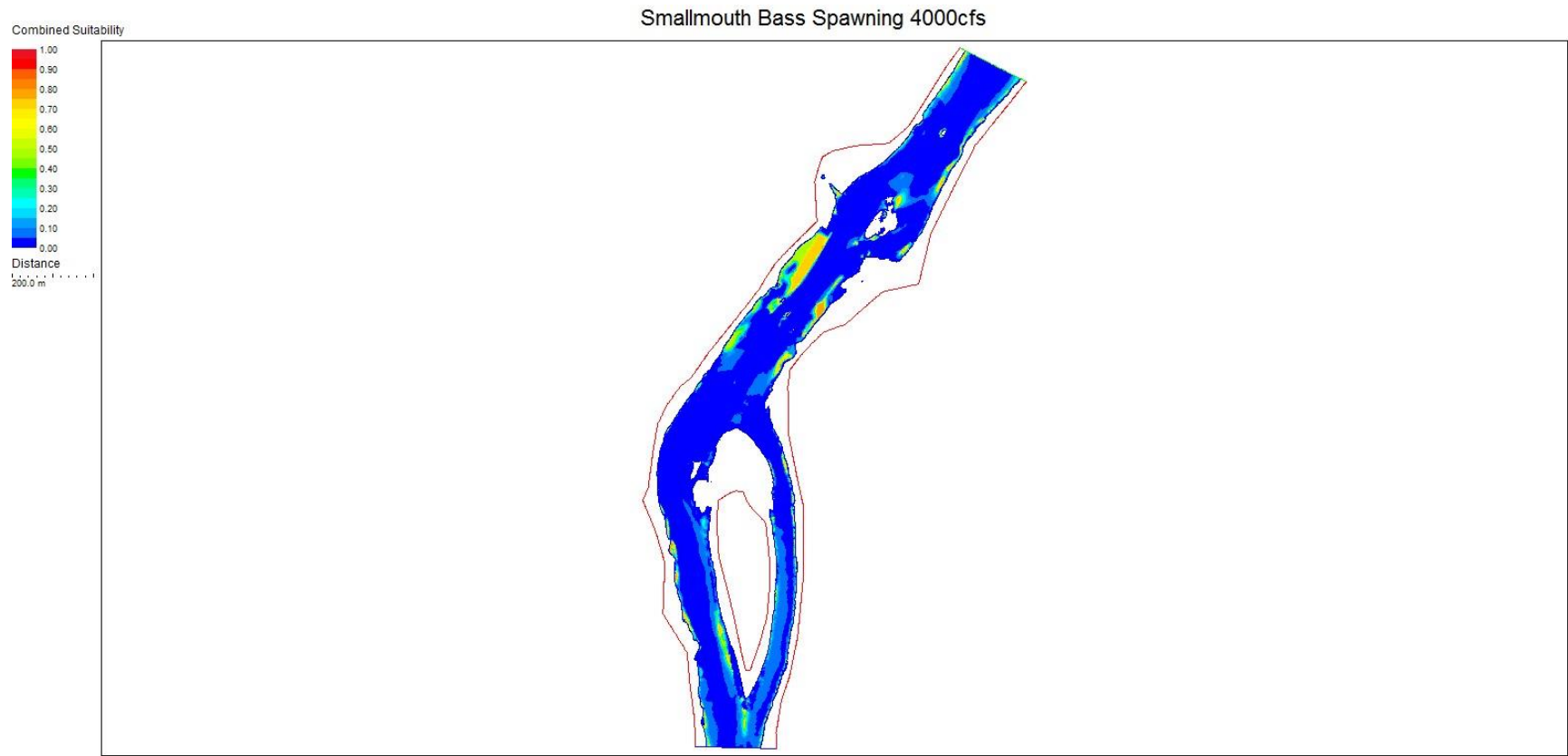
Smallmouth Bass Spawning 700cfs

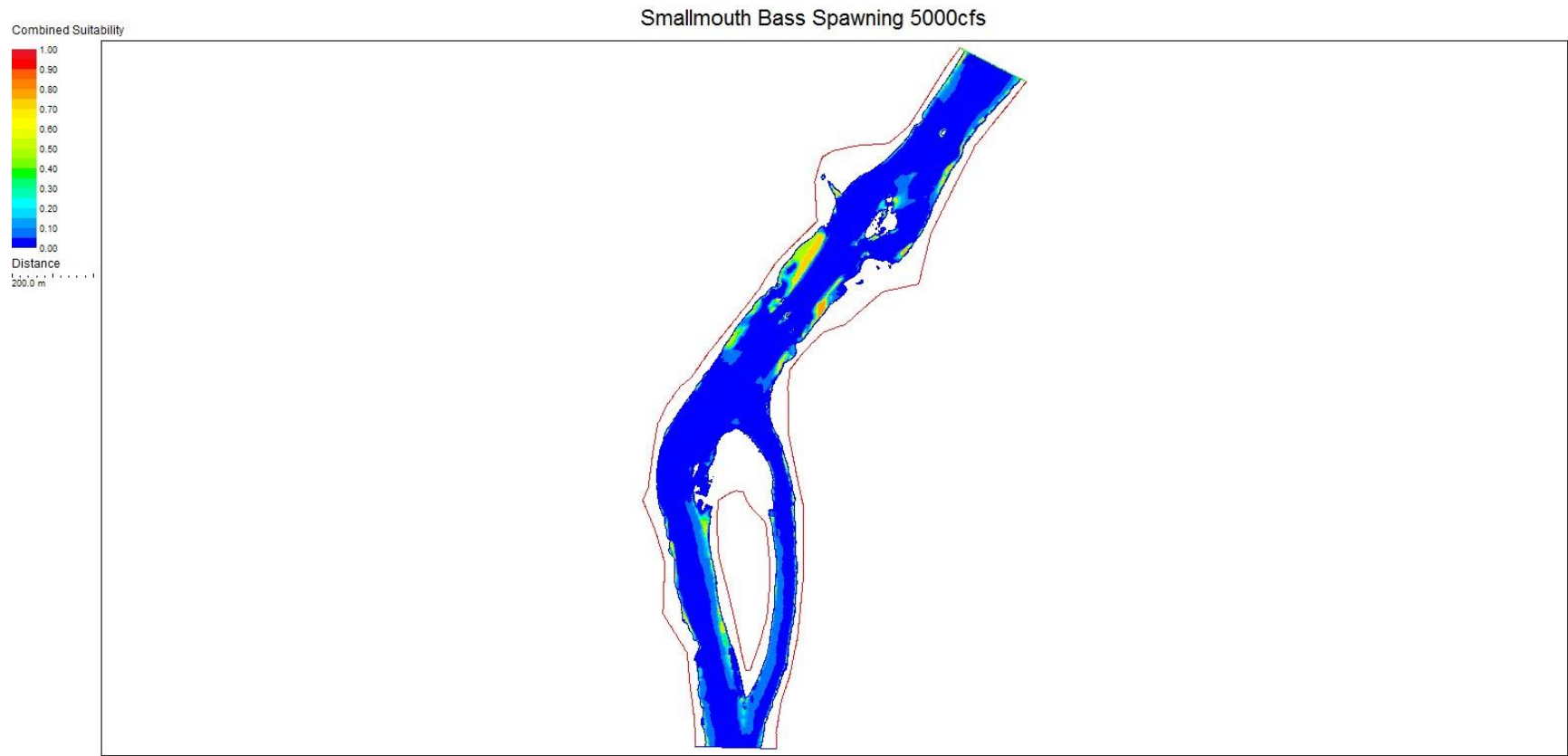




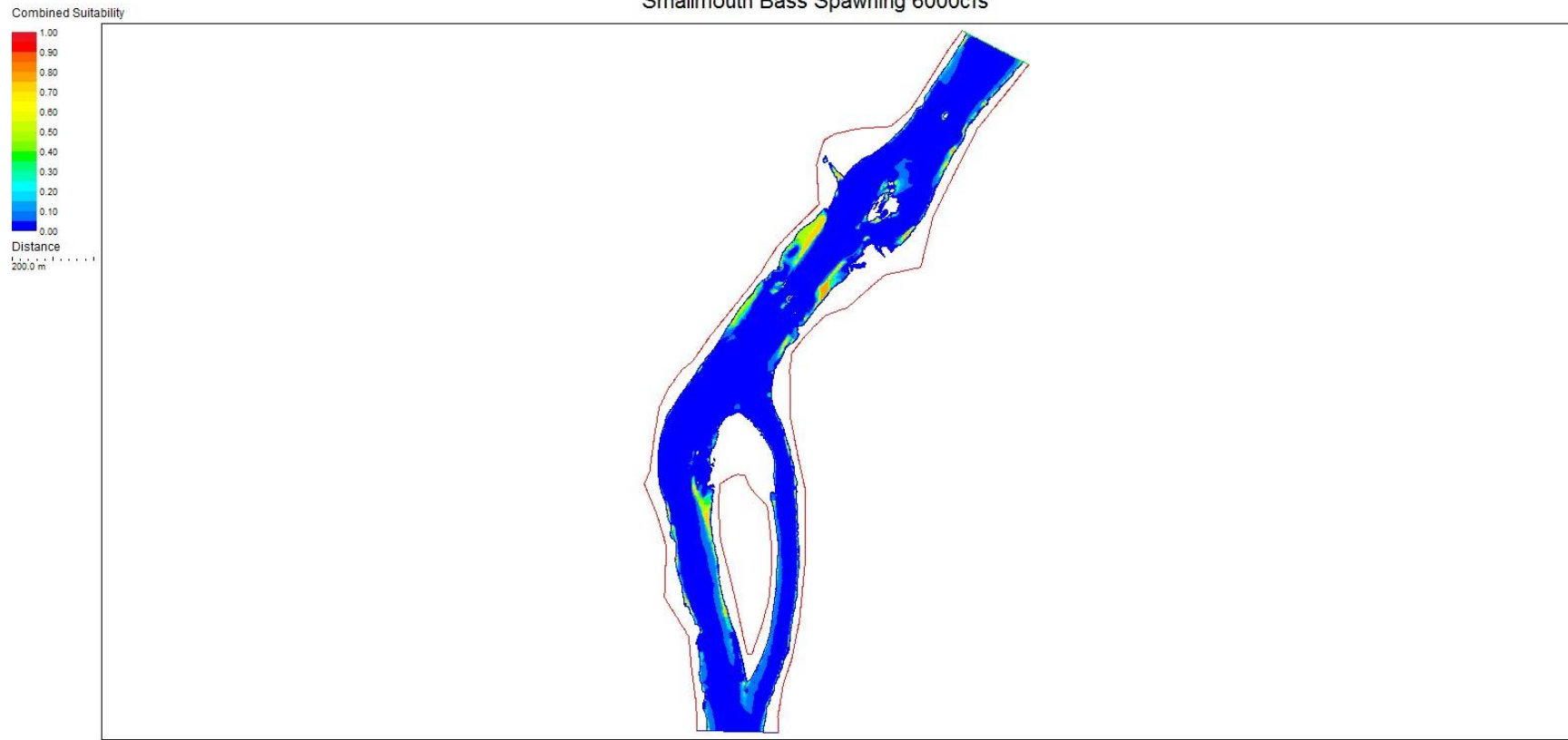


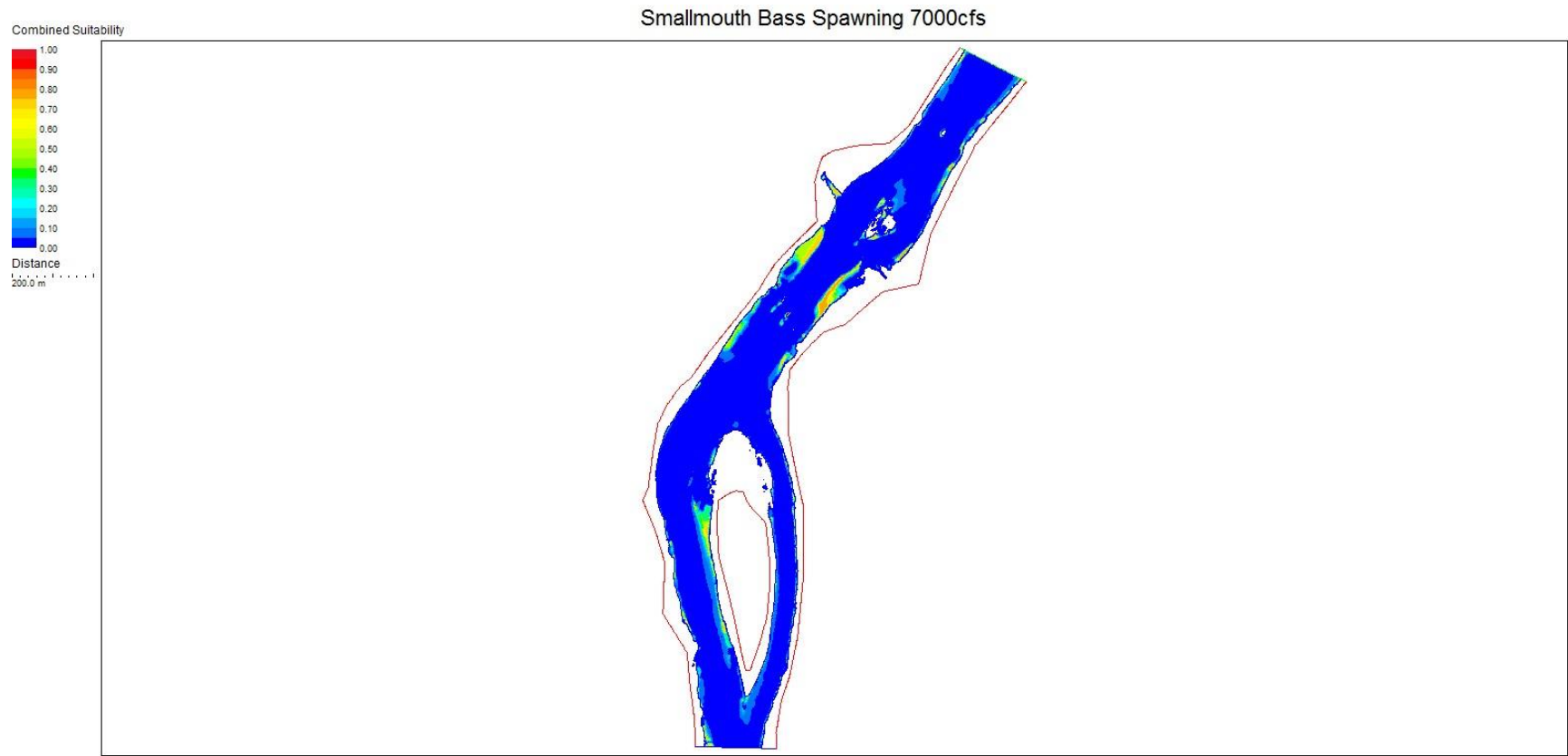


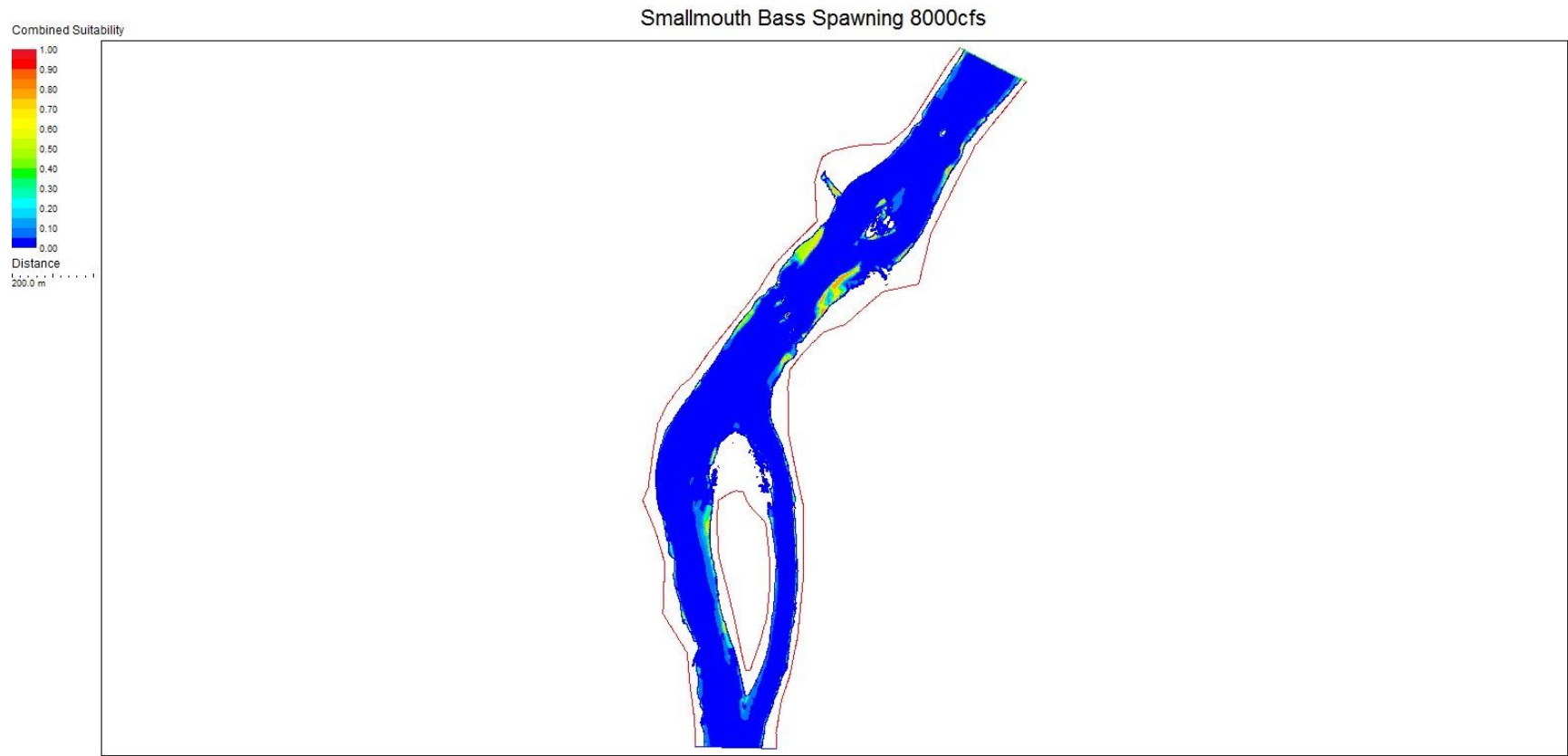


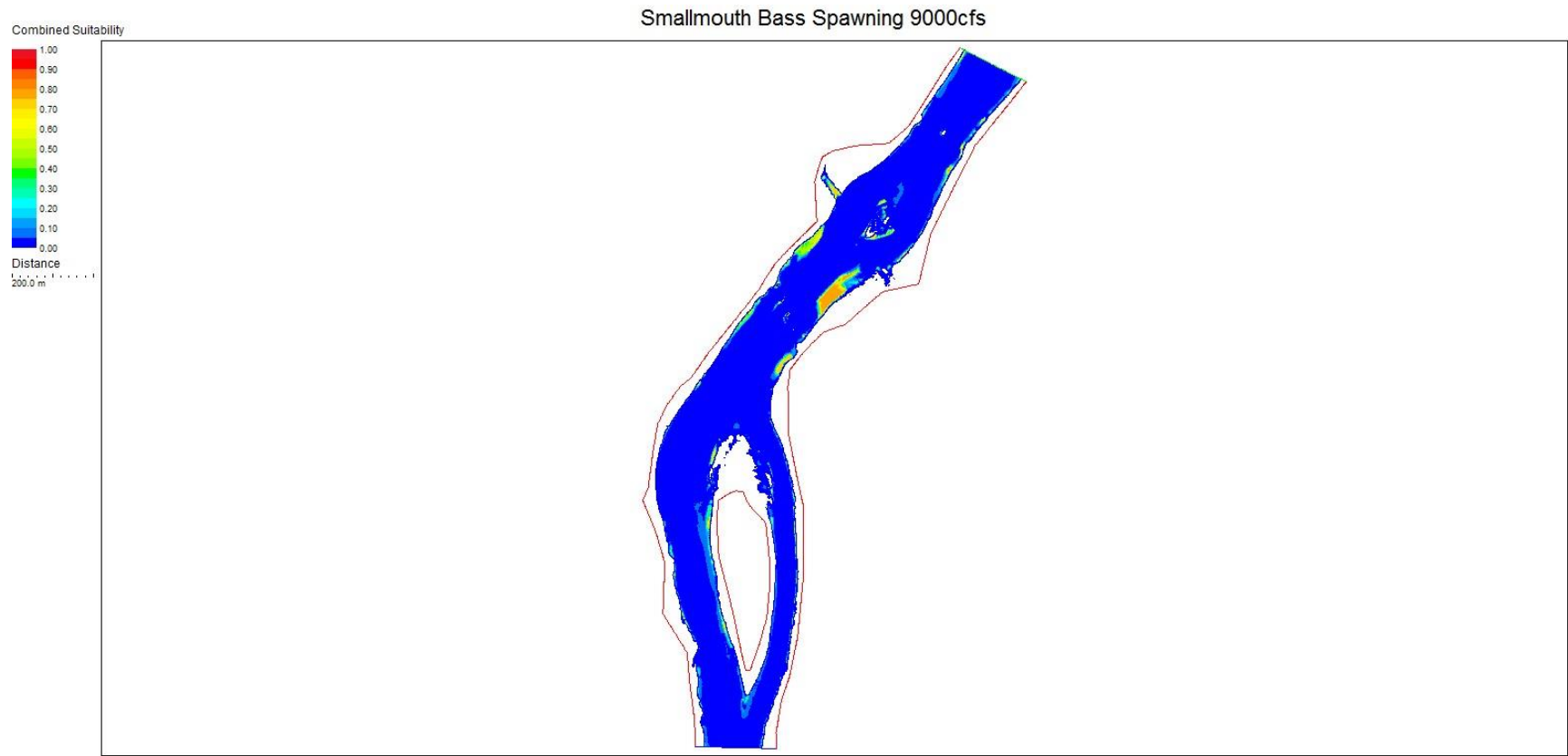


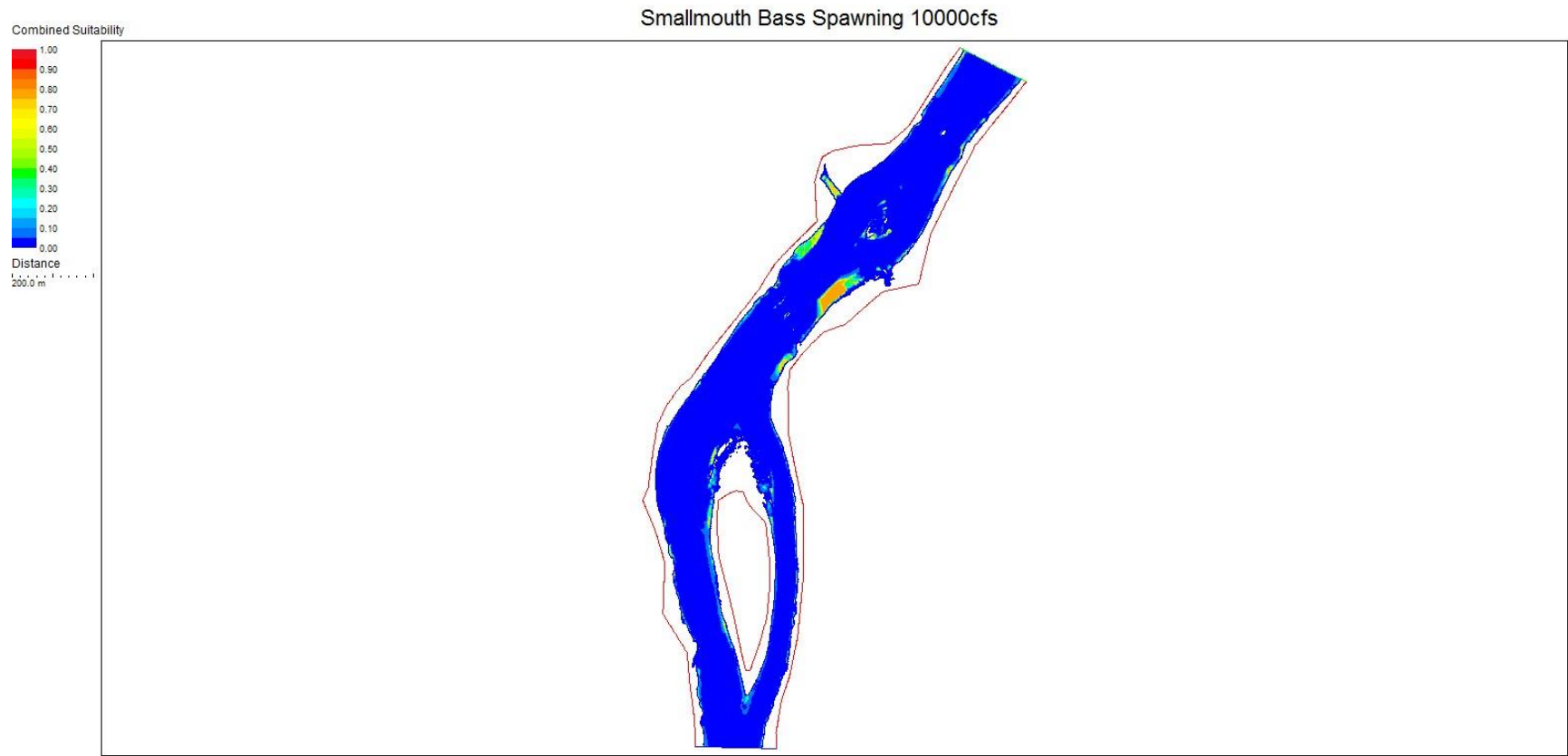
Smallmouth Bass Spawning 6000cfs



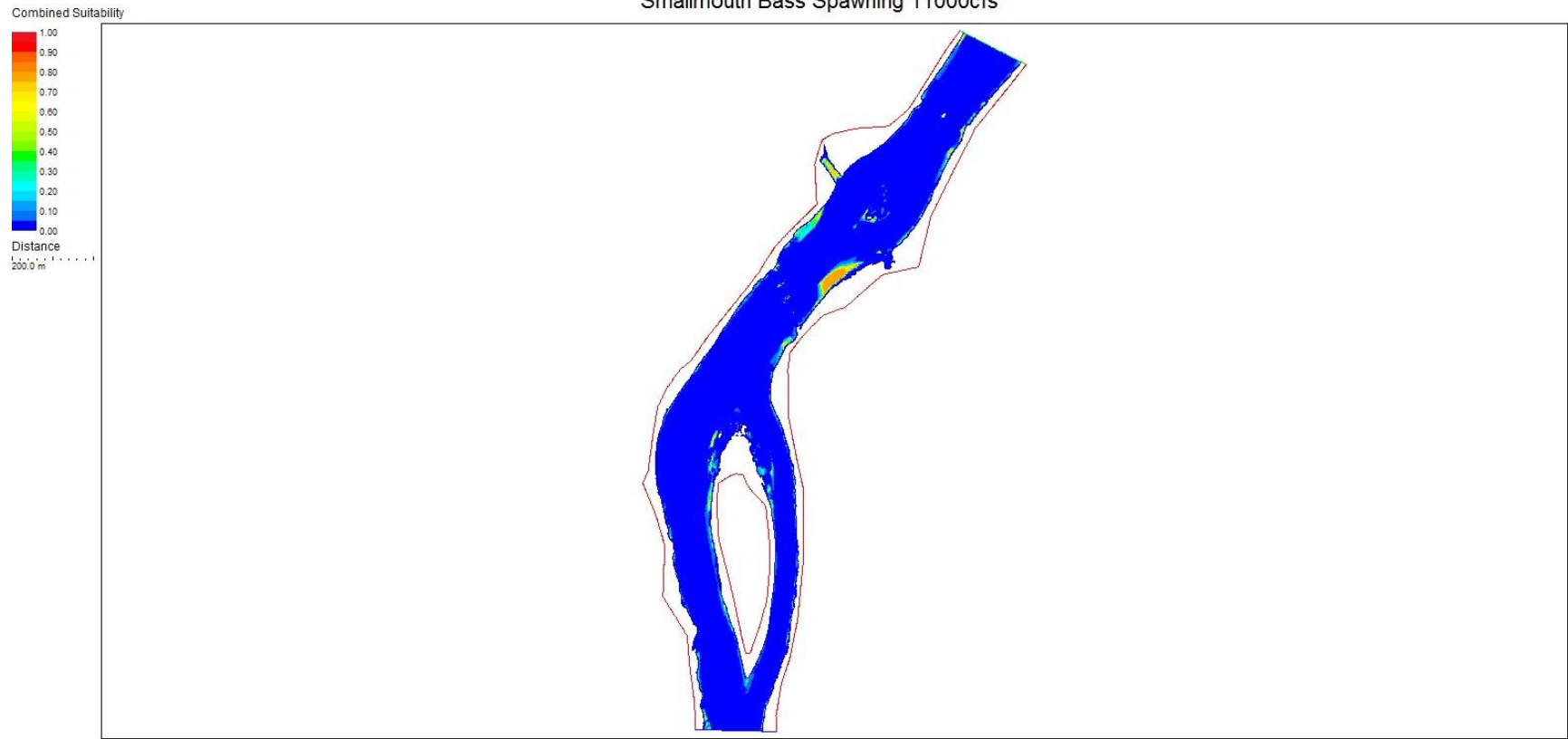


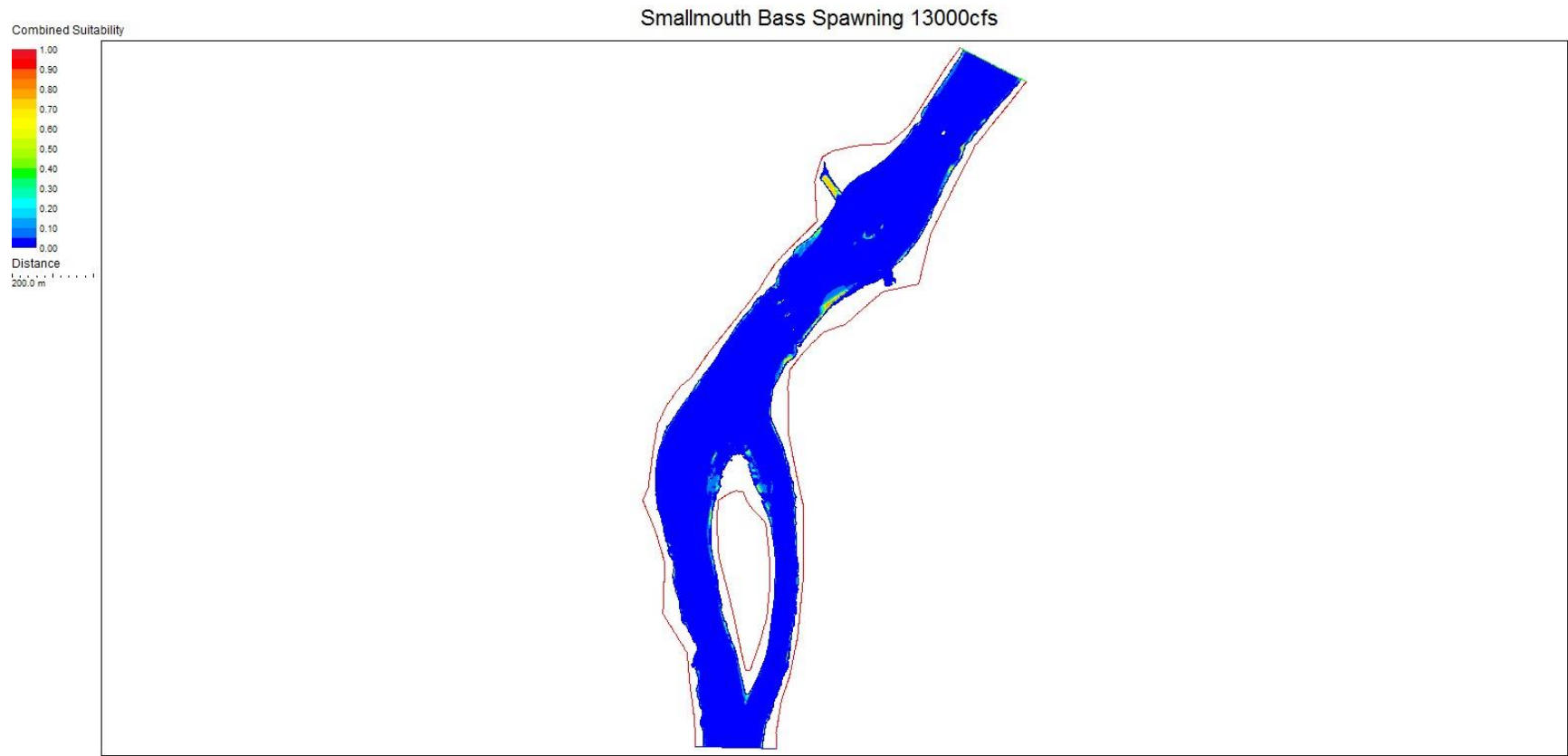


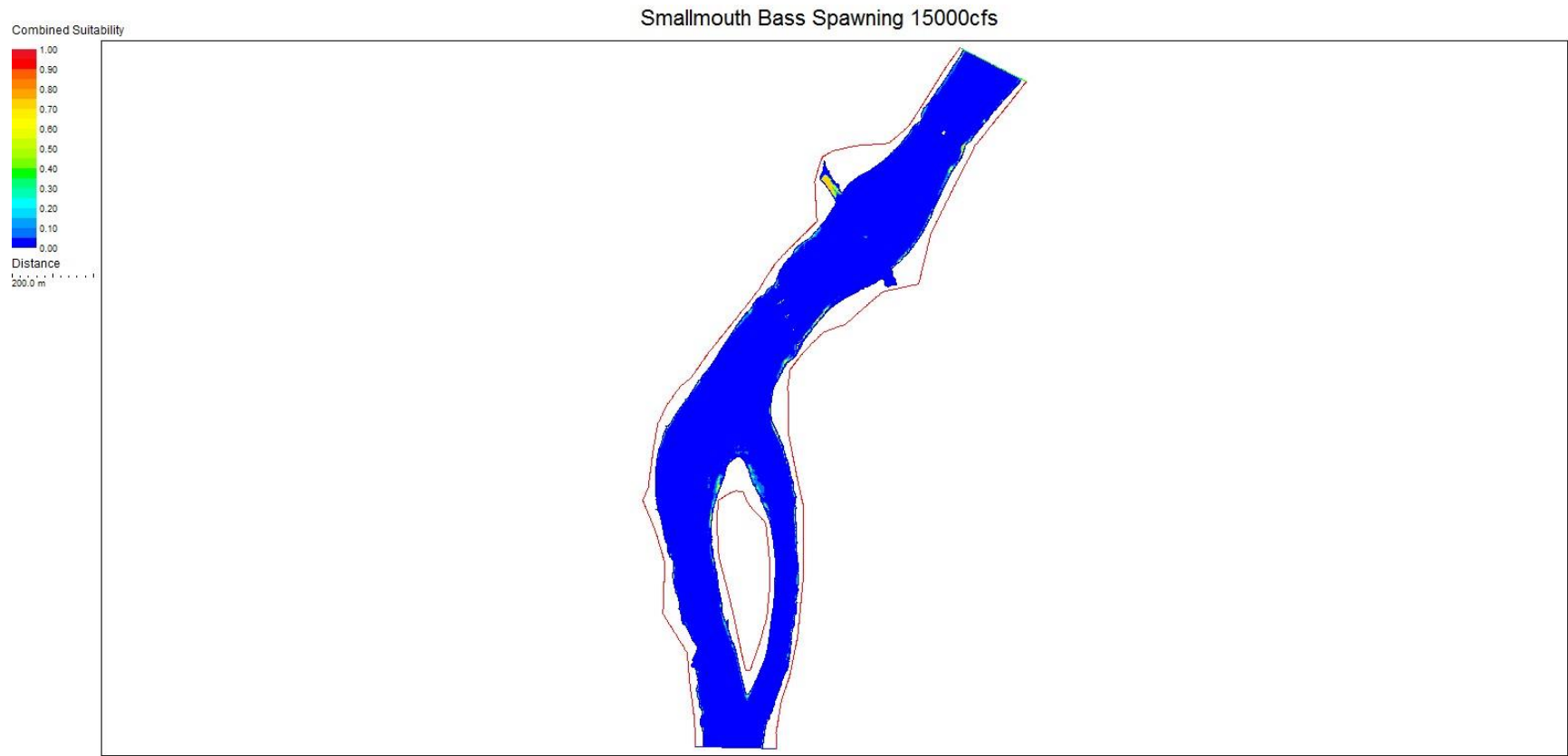


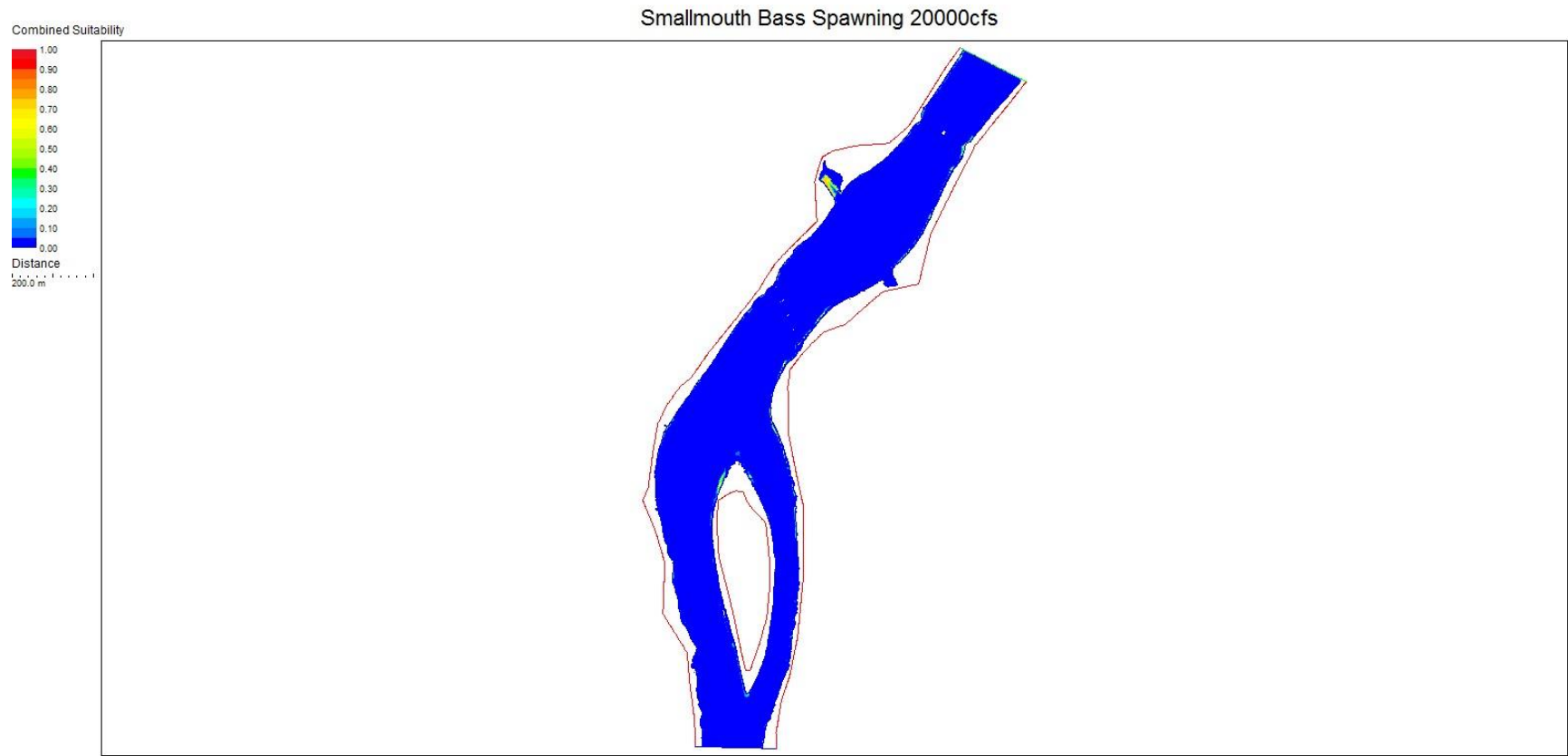


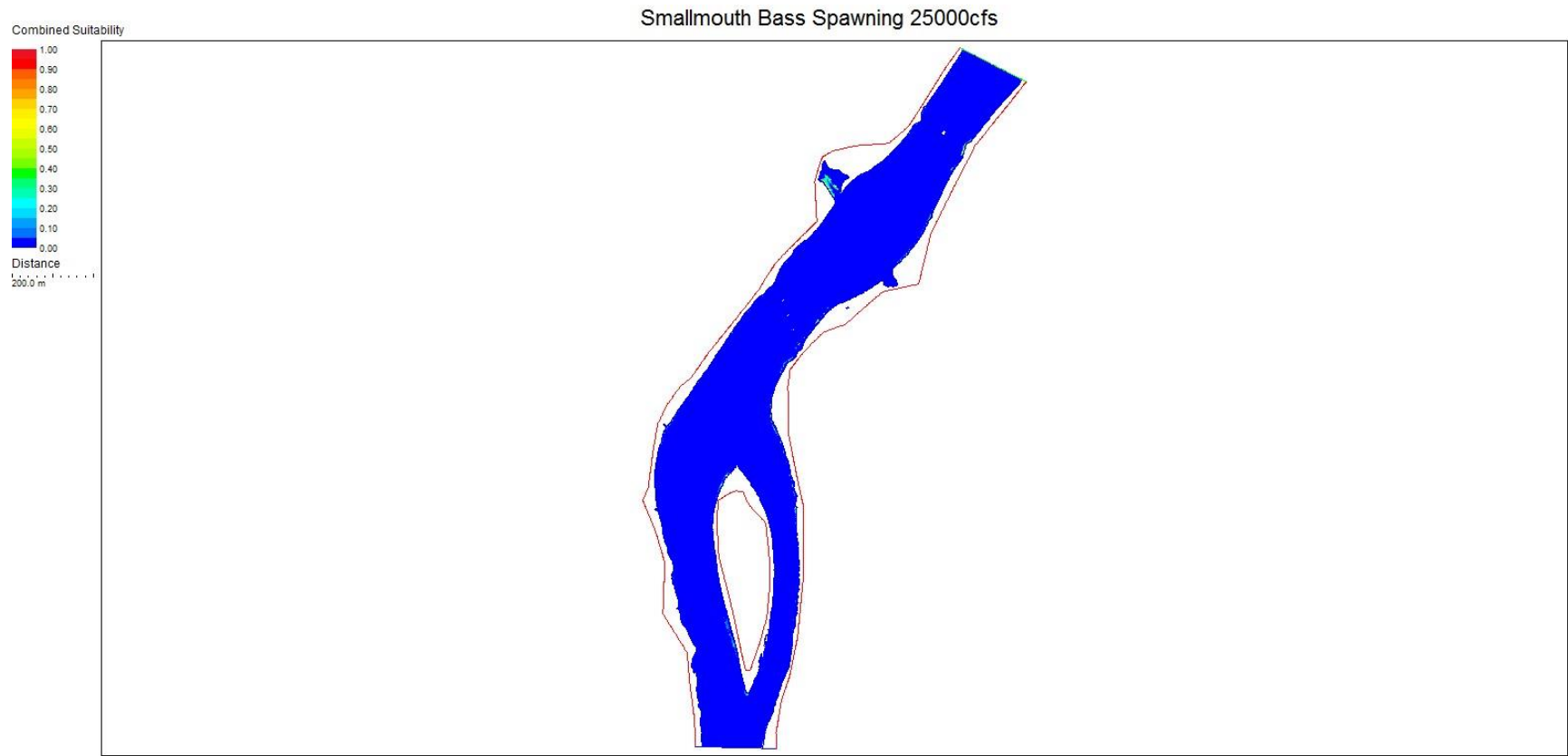
Smallmouth Bass Spawning 11000cfs



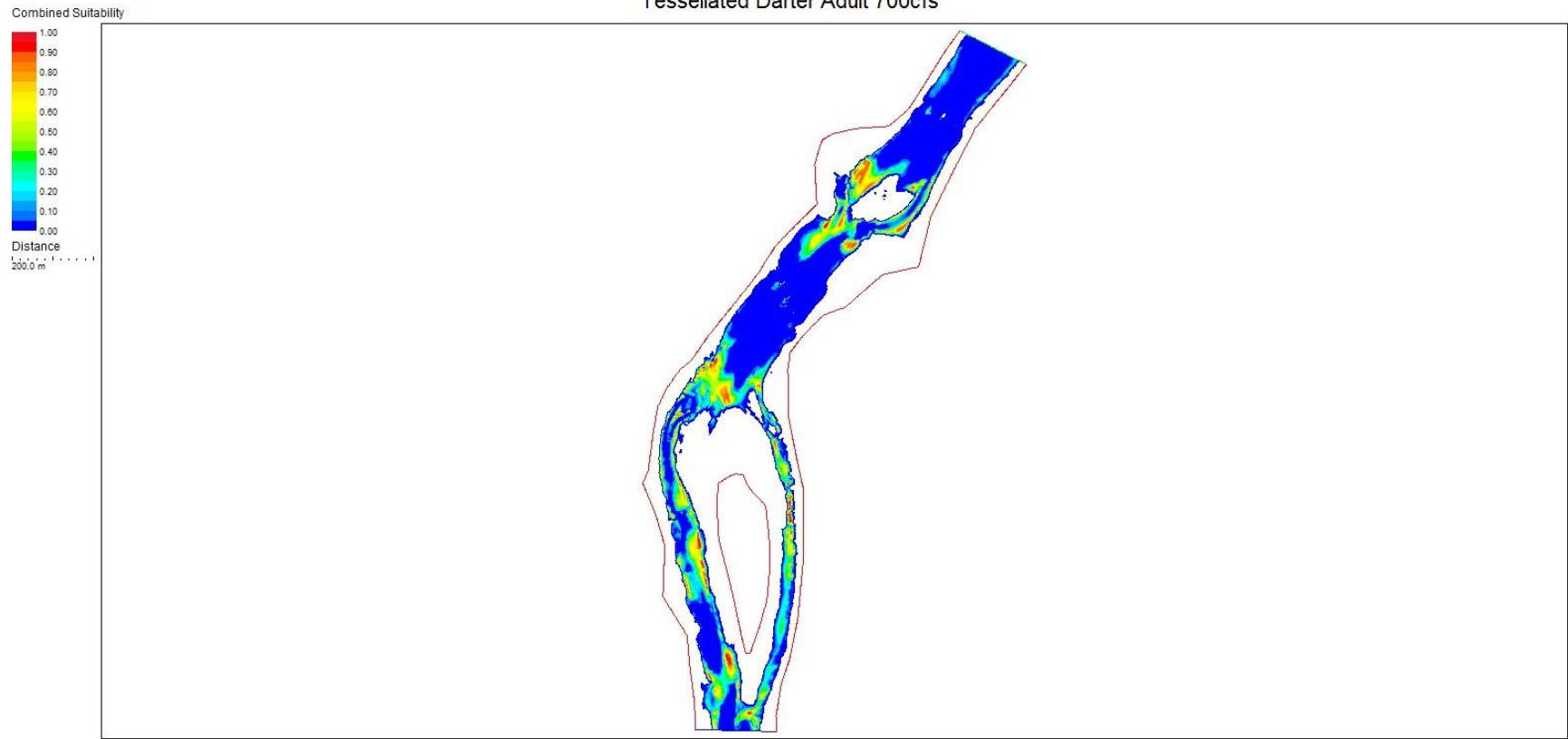


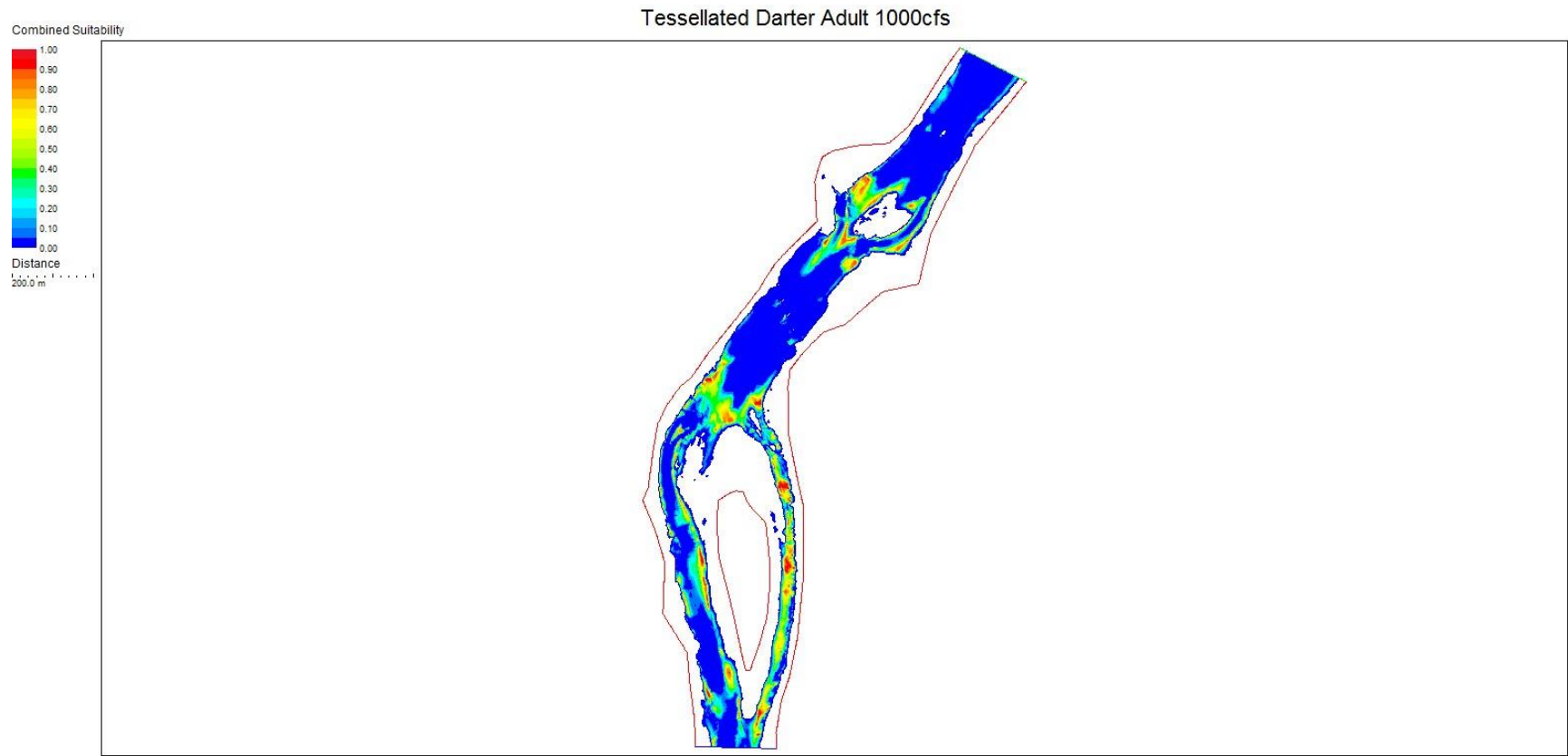


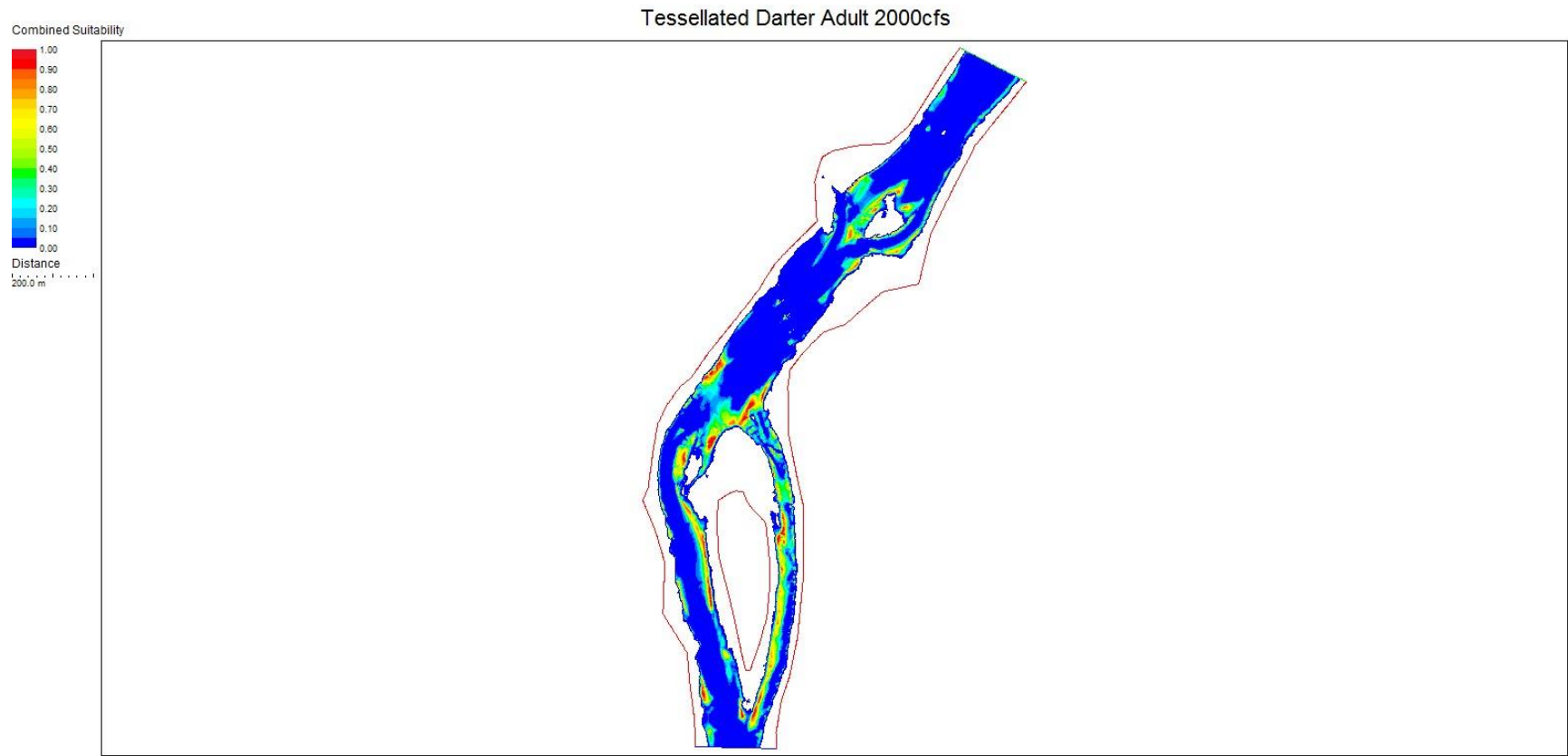




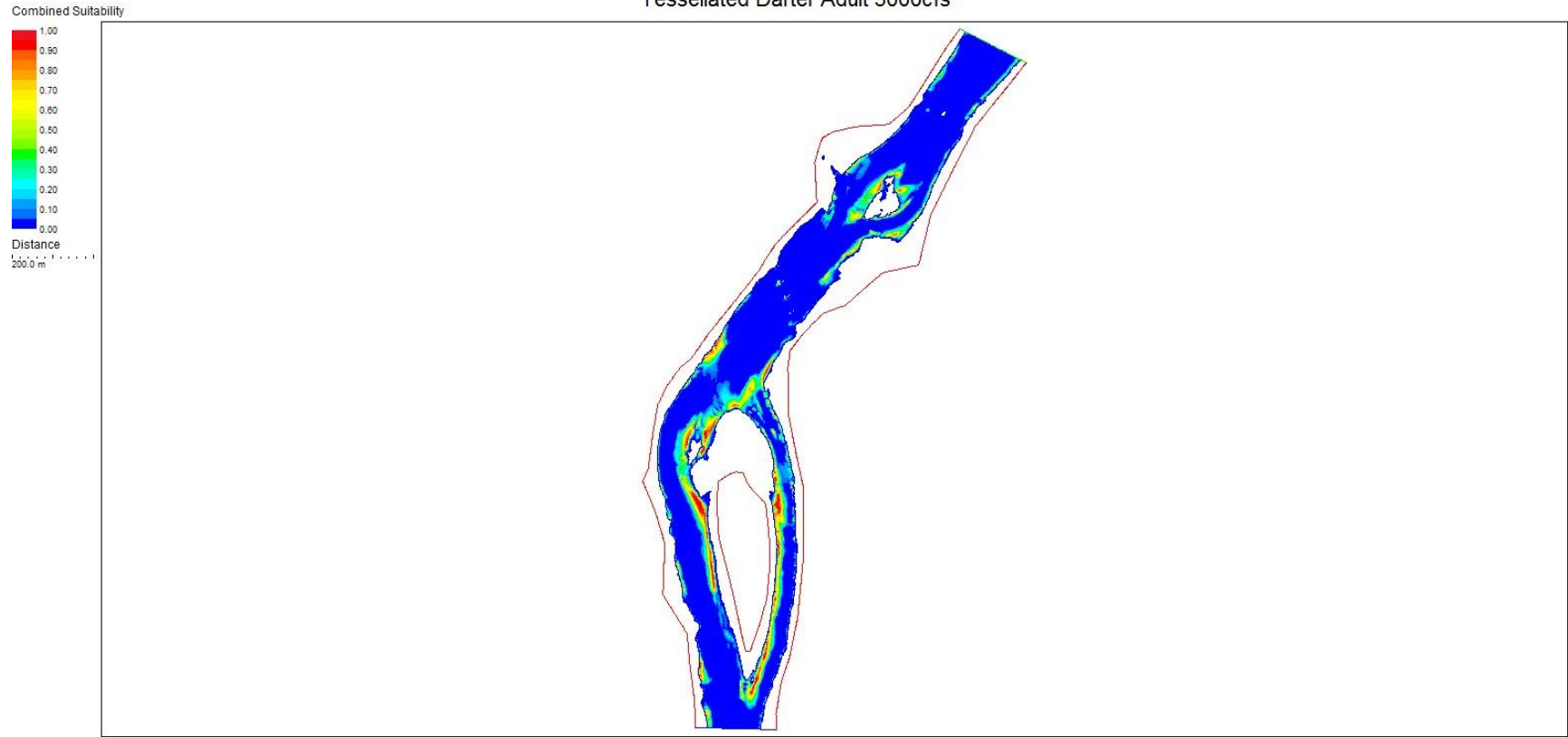
Tessellated Darter Adult 700cfs



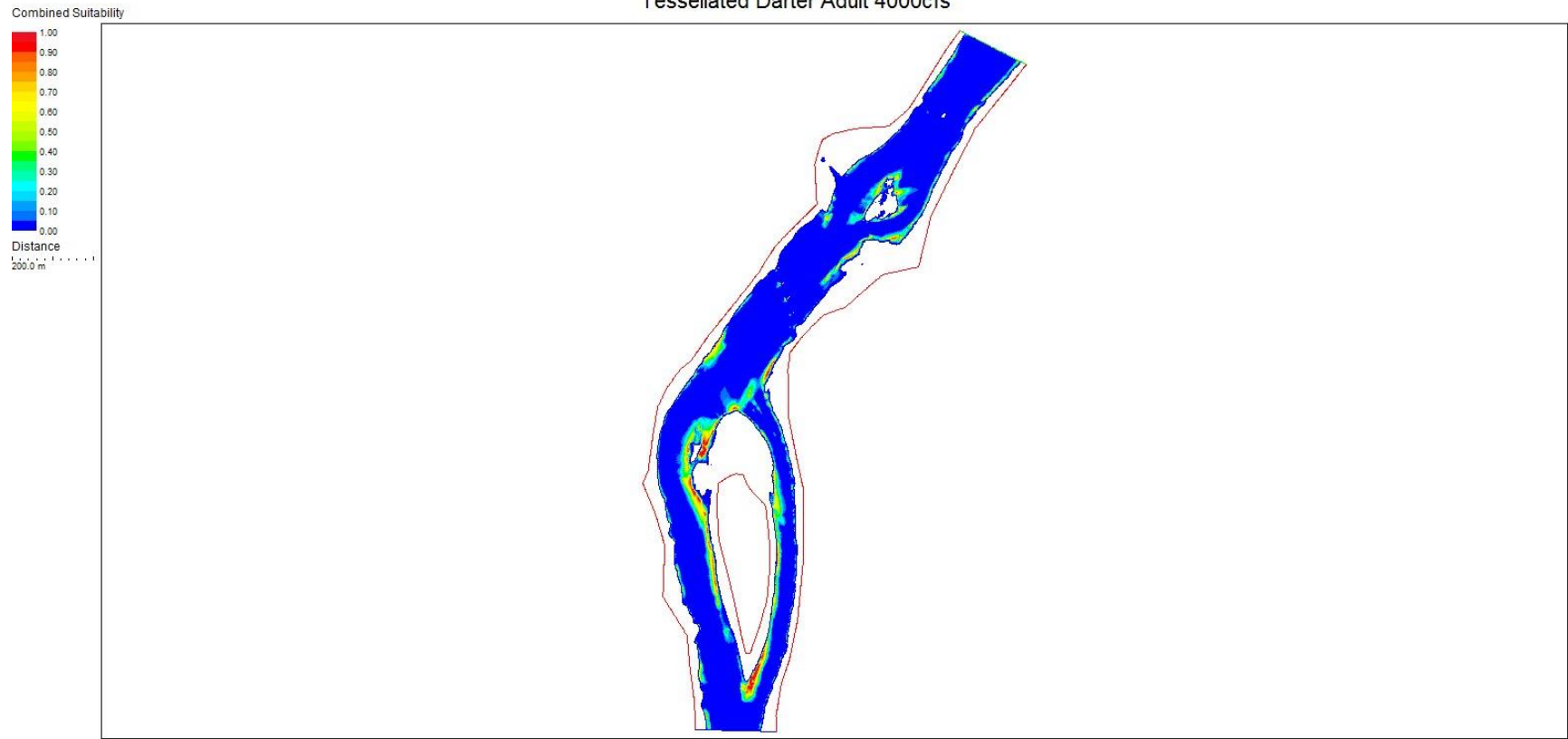


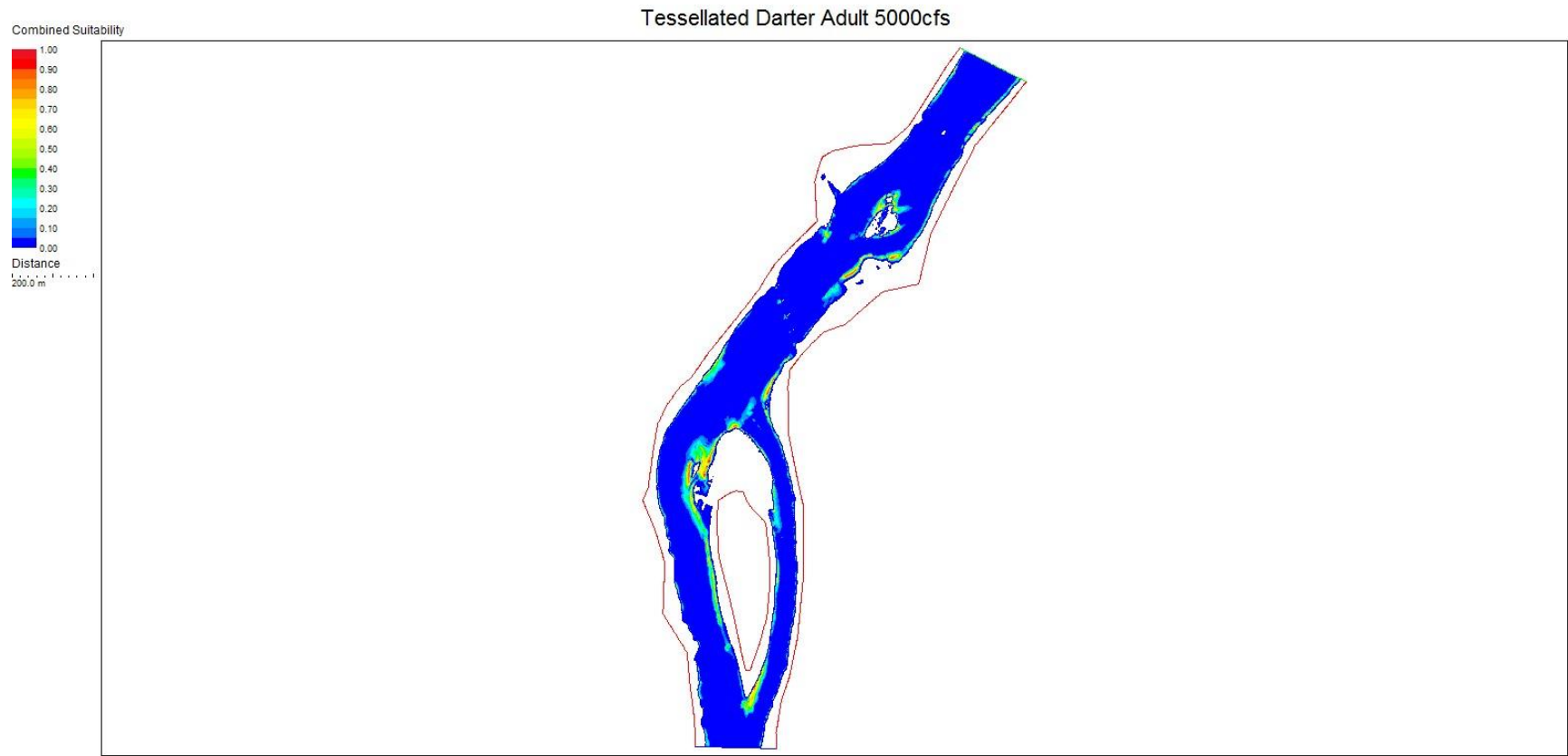


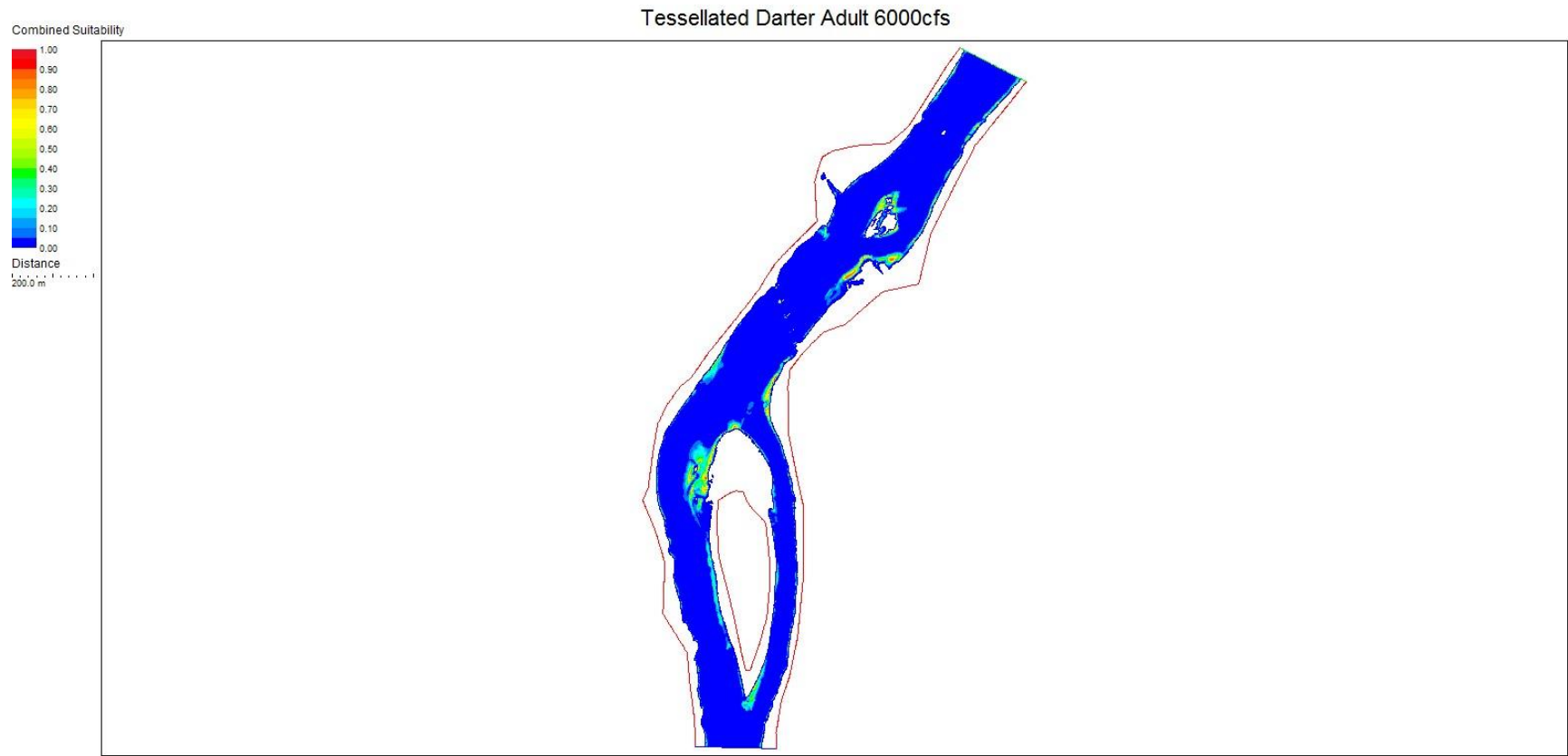
Tessellated Darter Adult 3000cfs

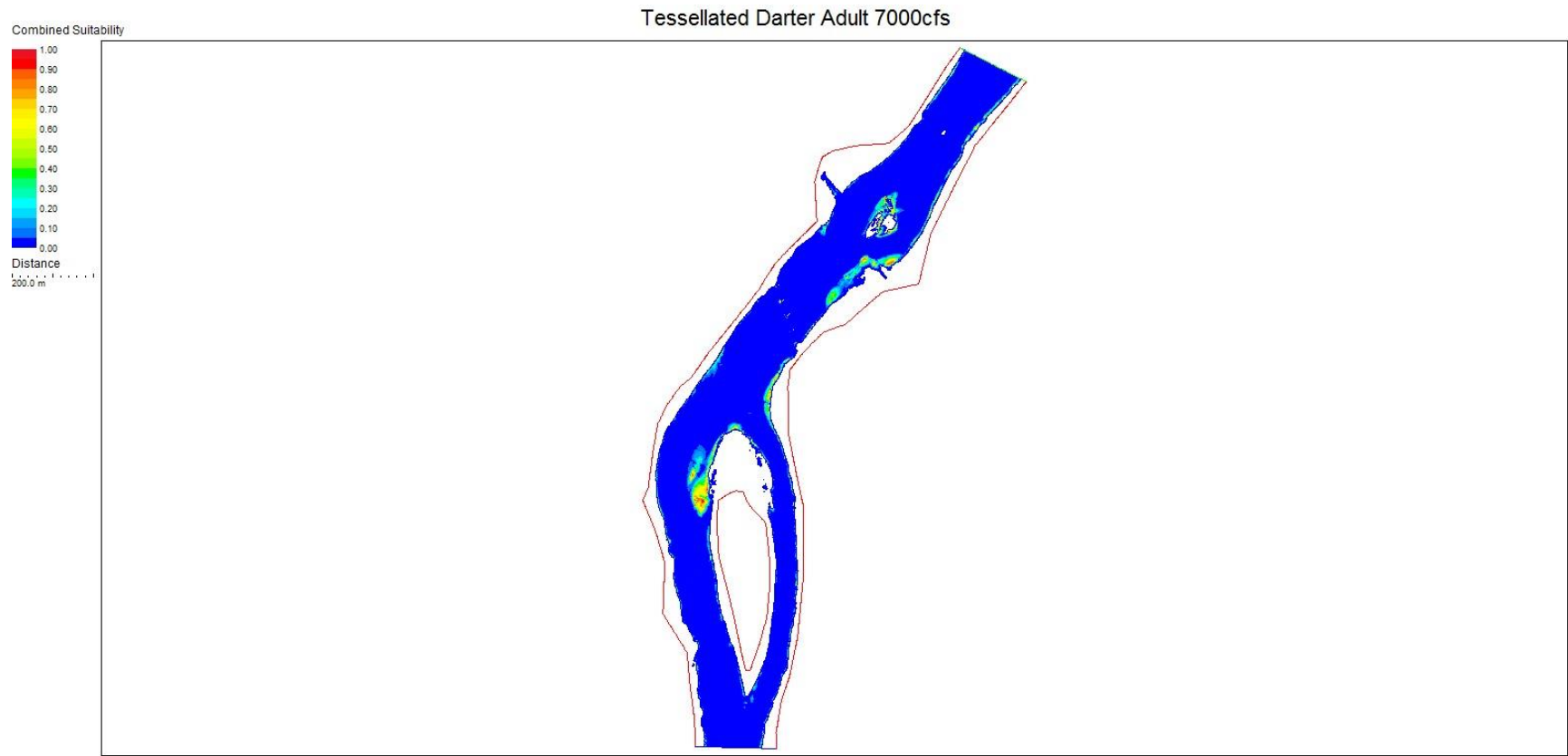


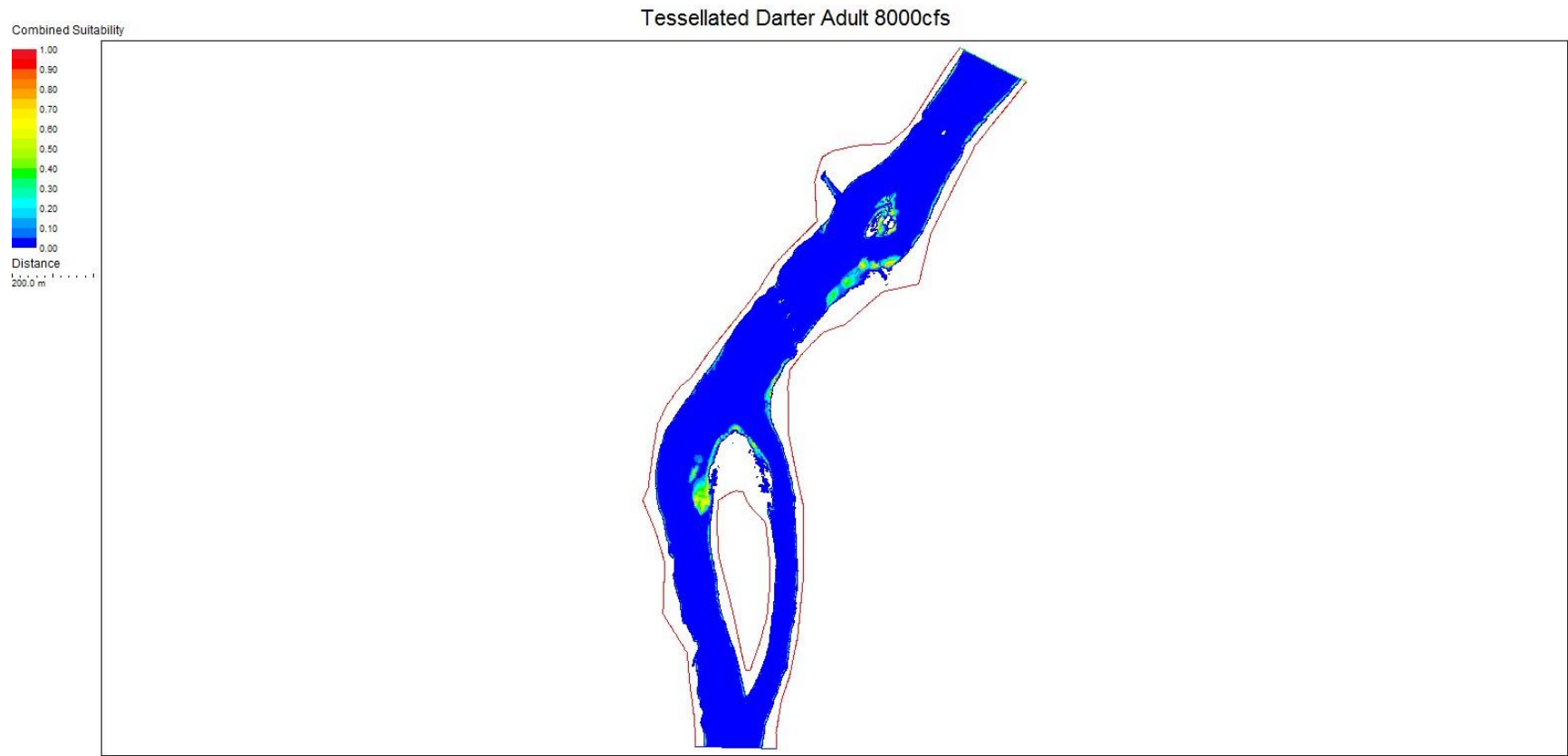
Tessellated Darter Adult 4000cfs

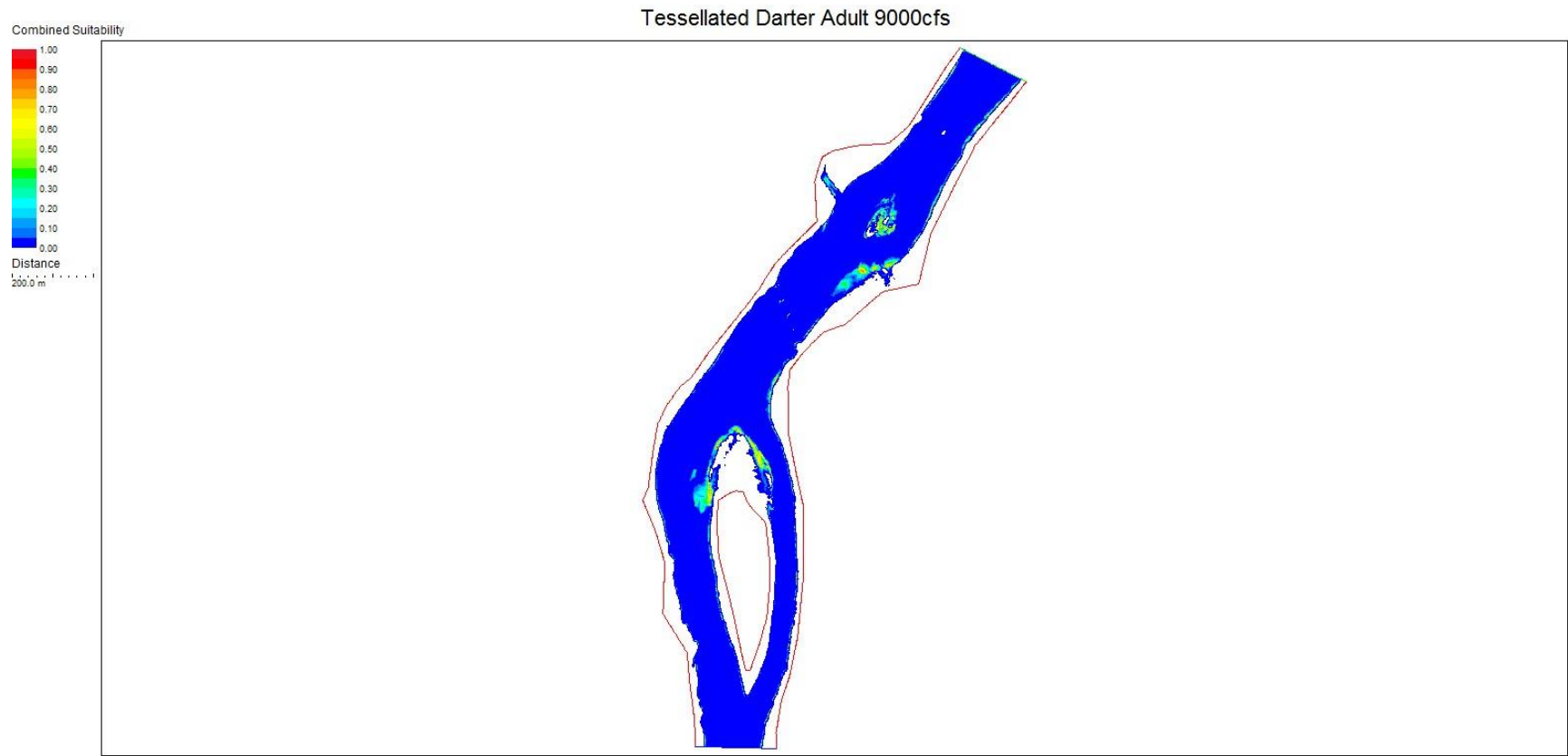


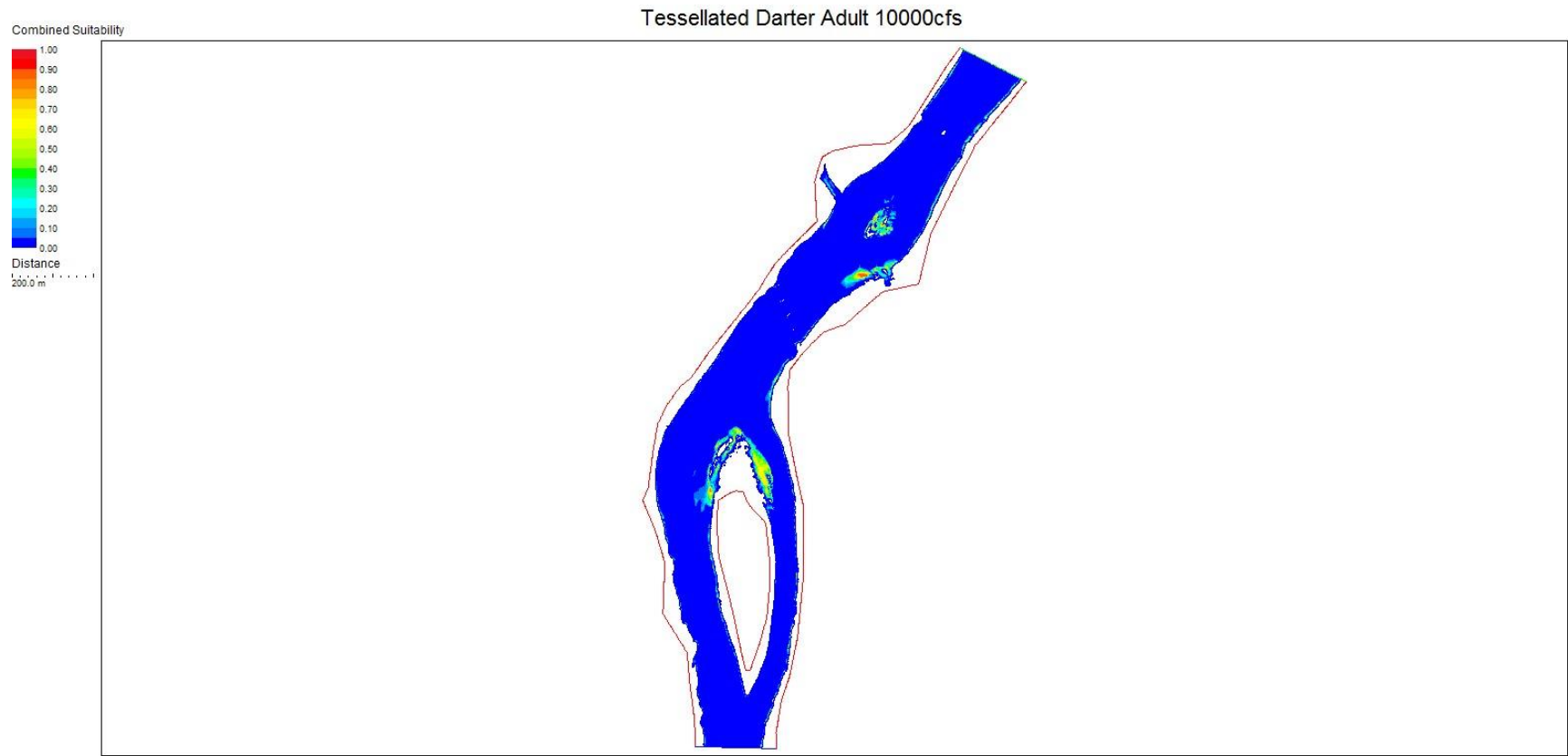


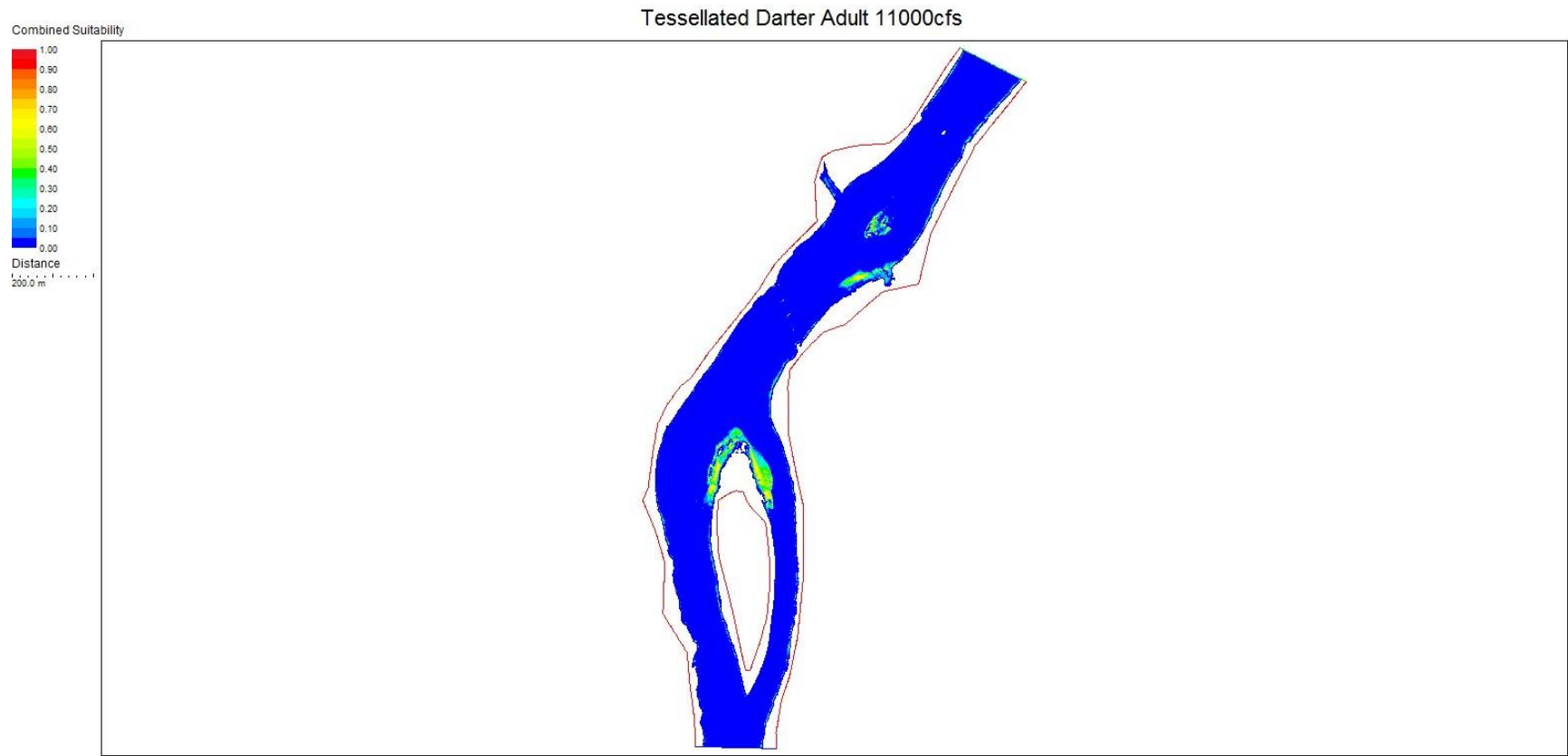


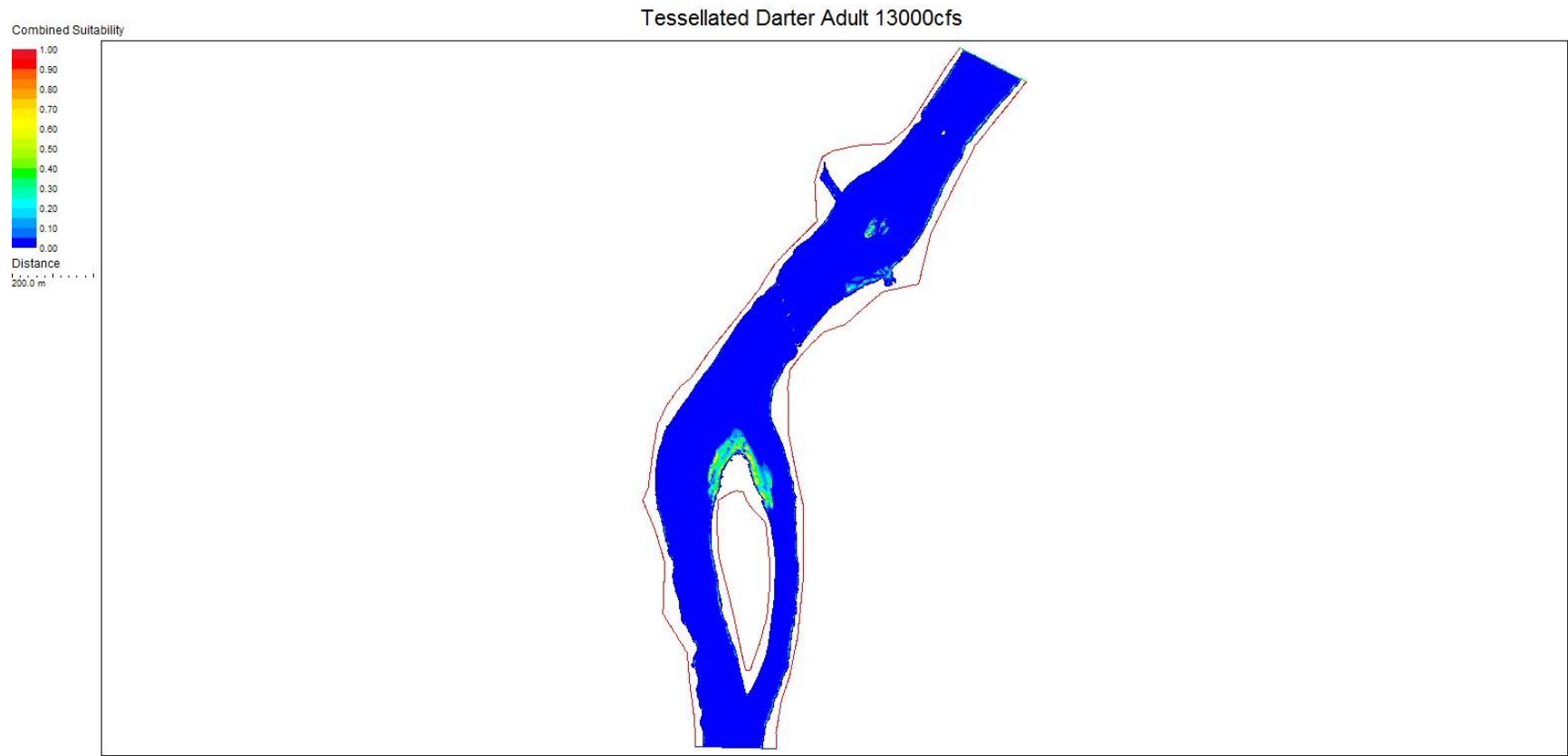


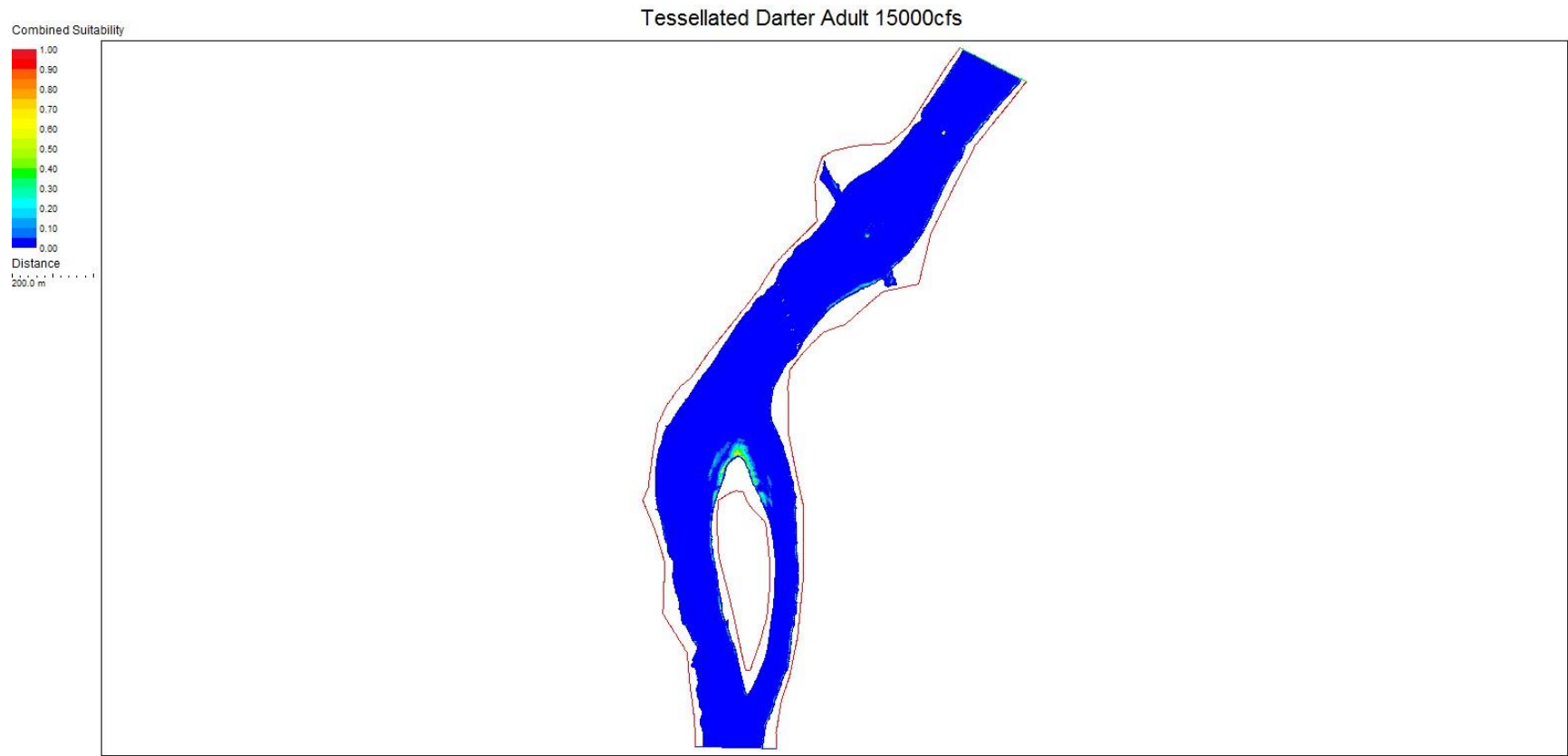


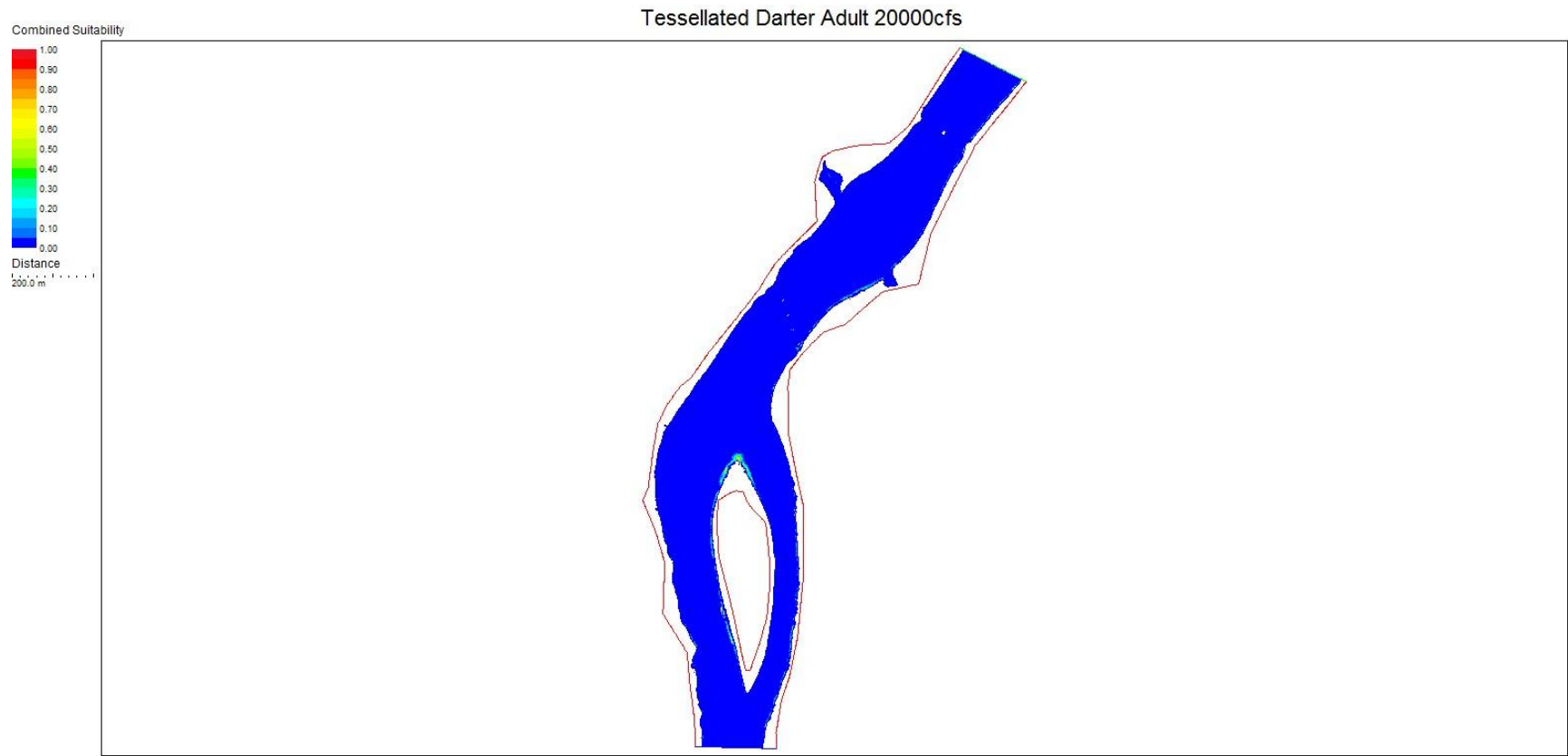


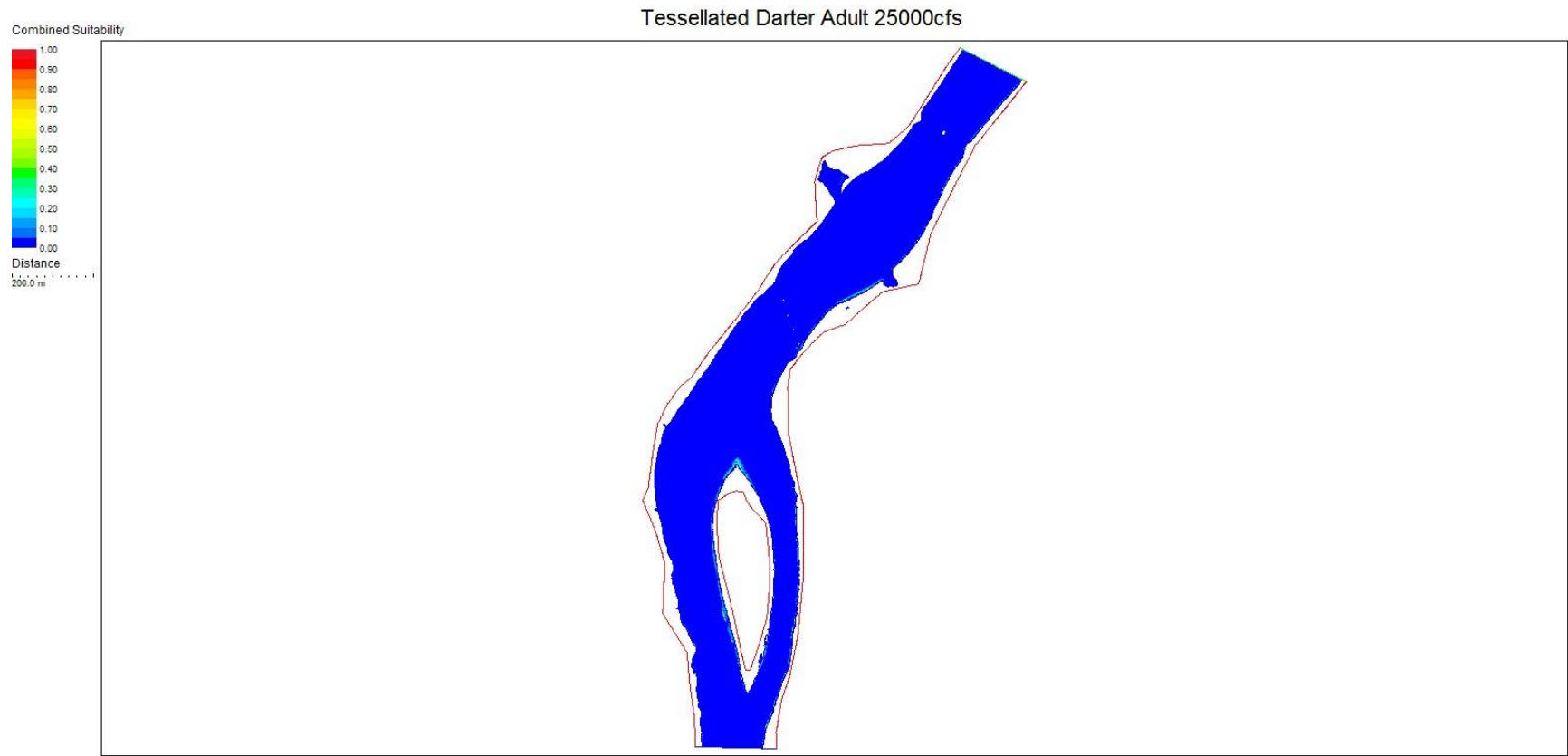


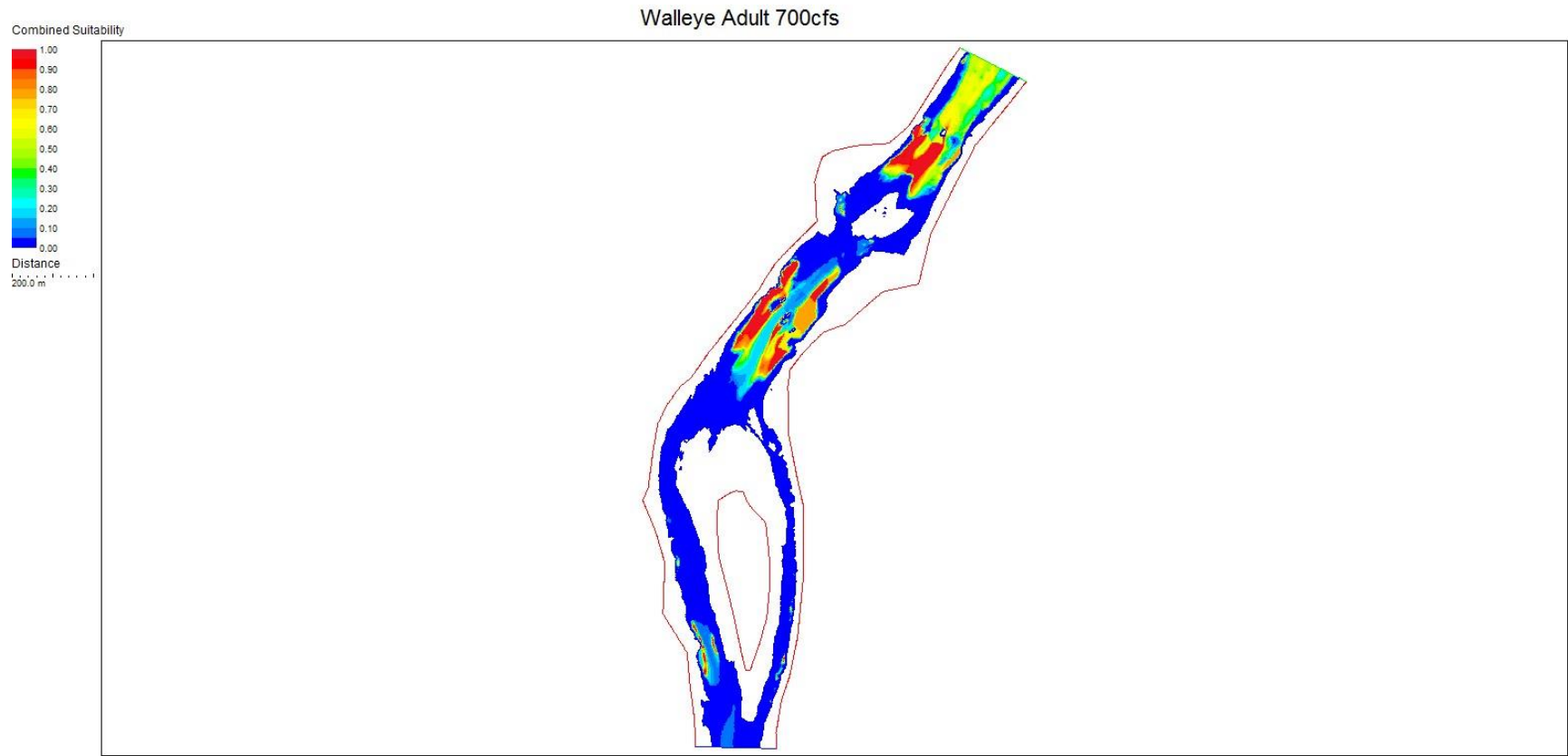




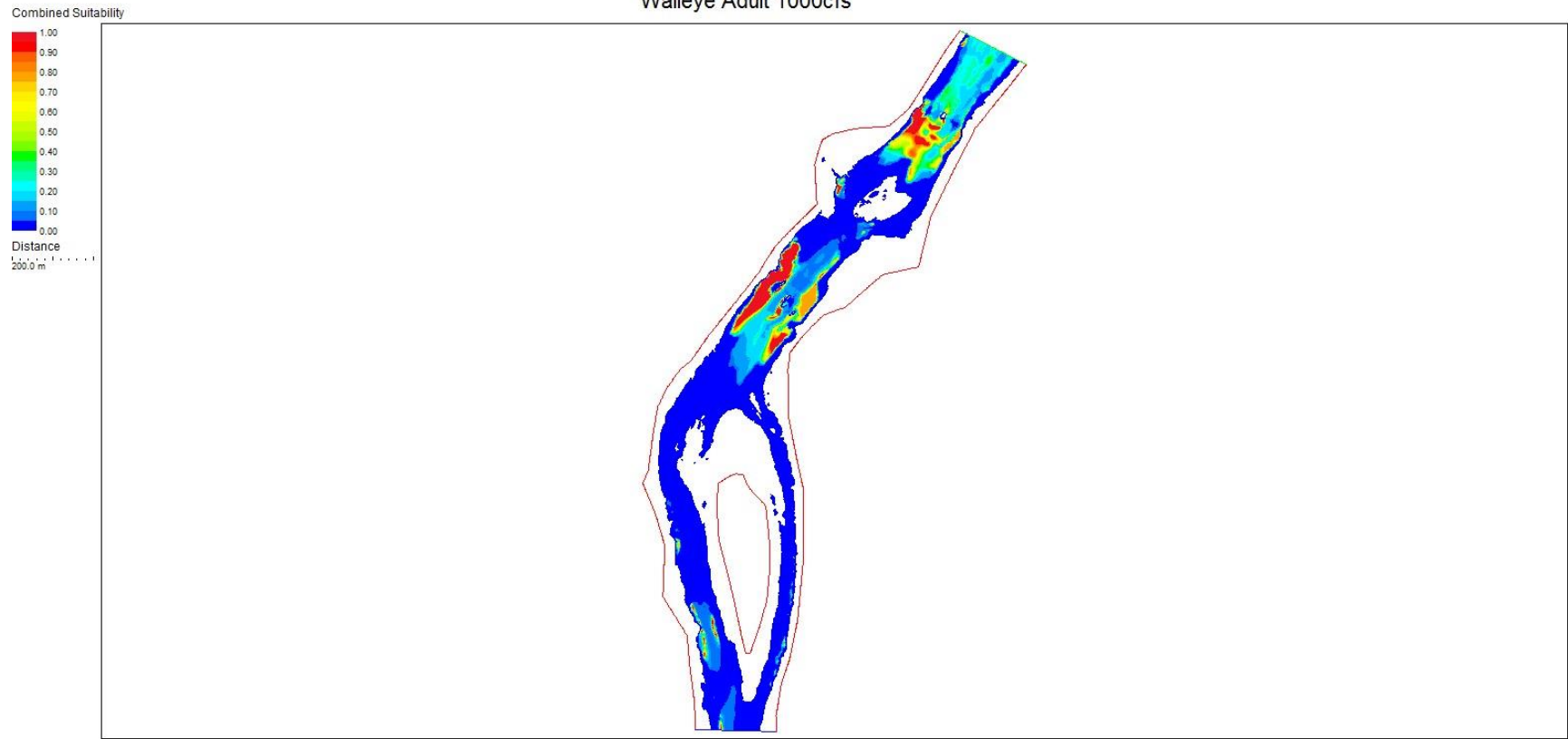


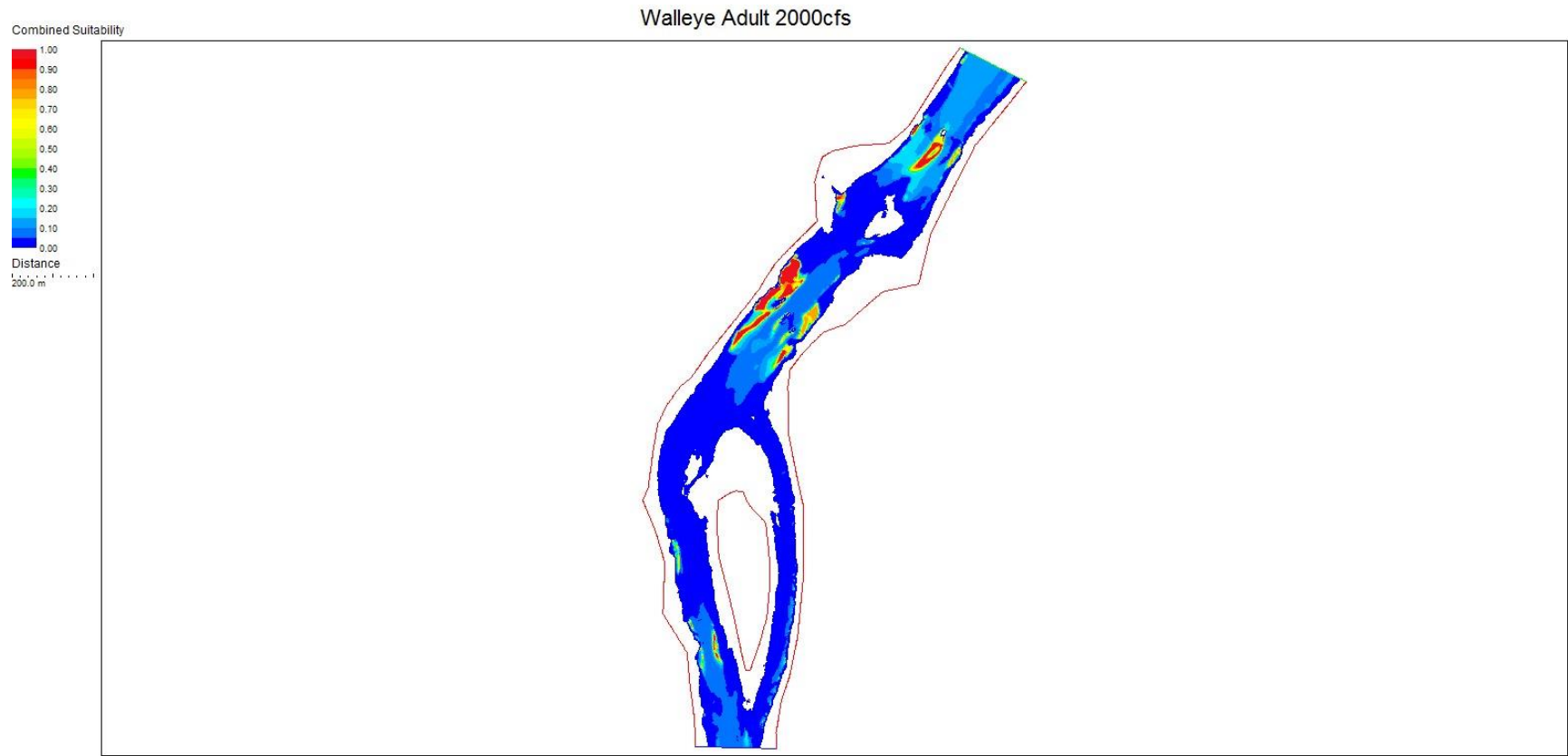


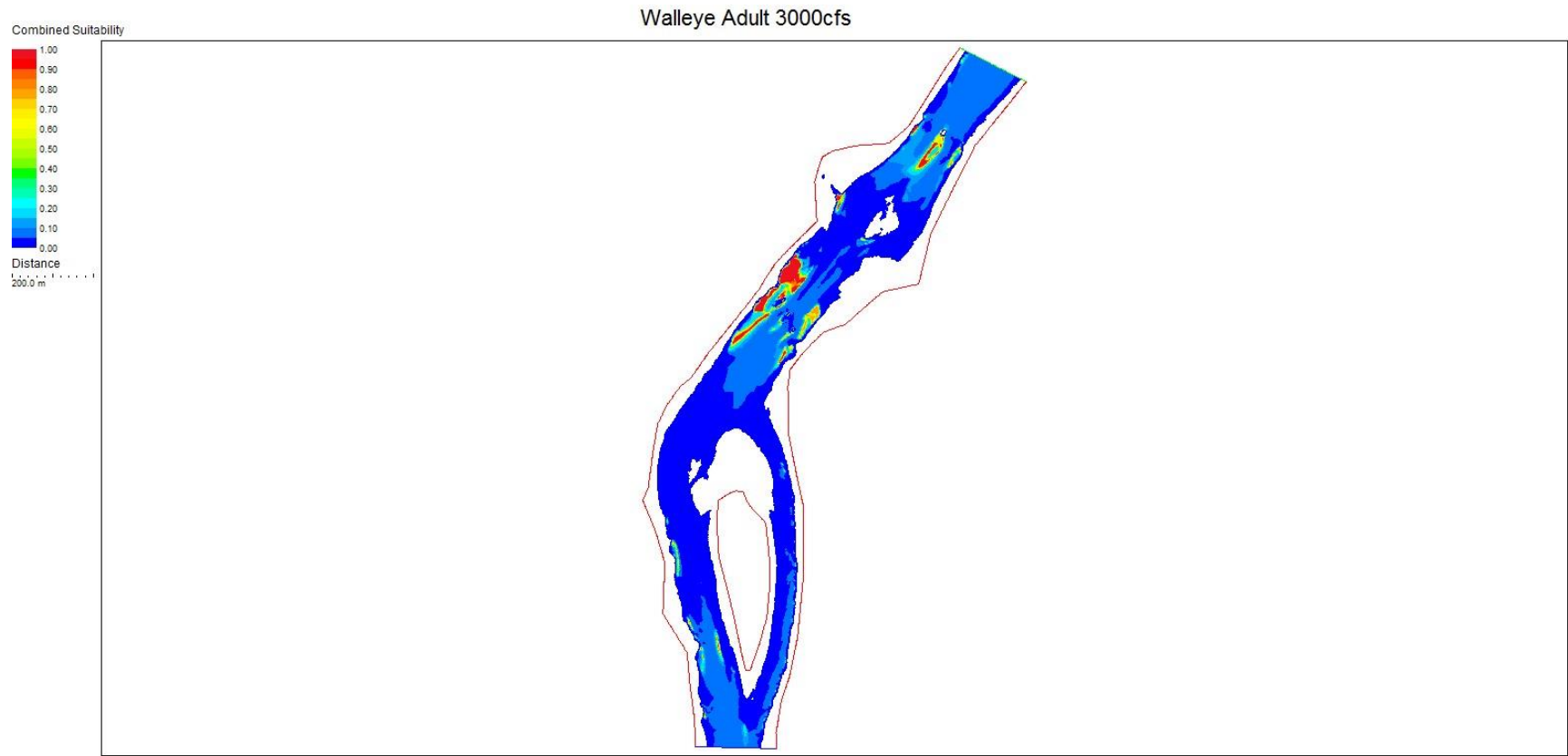


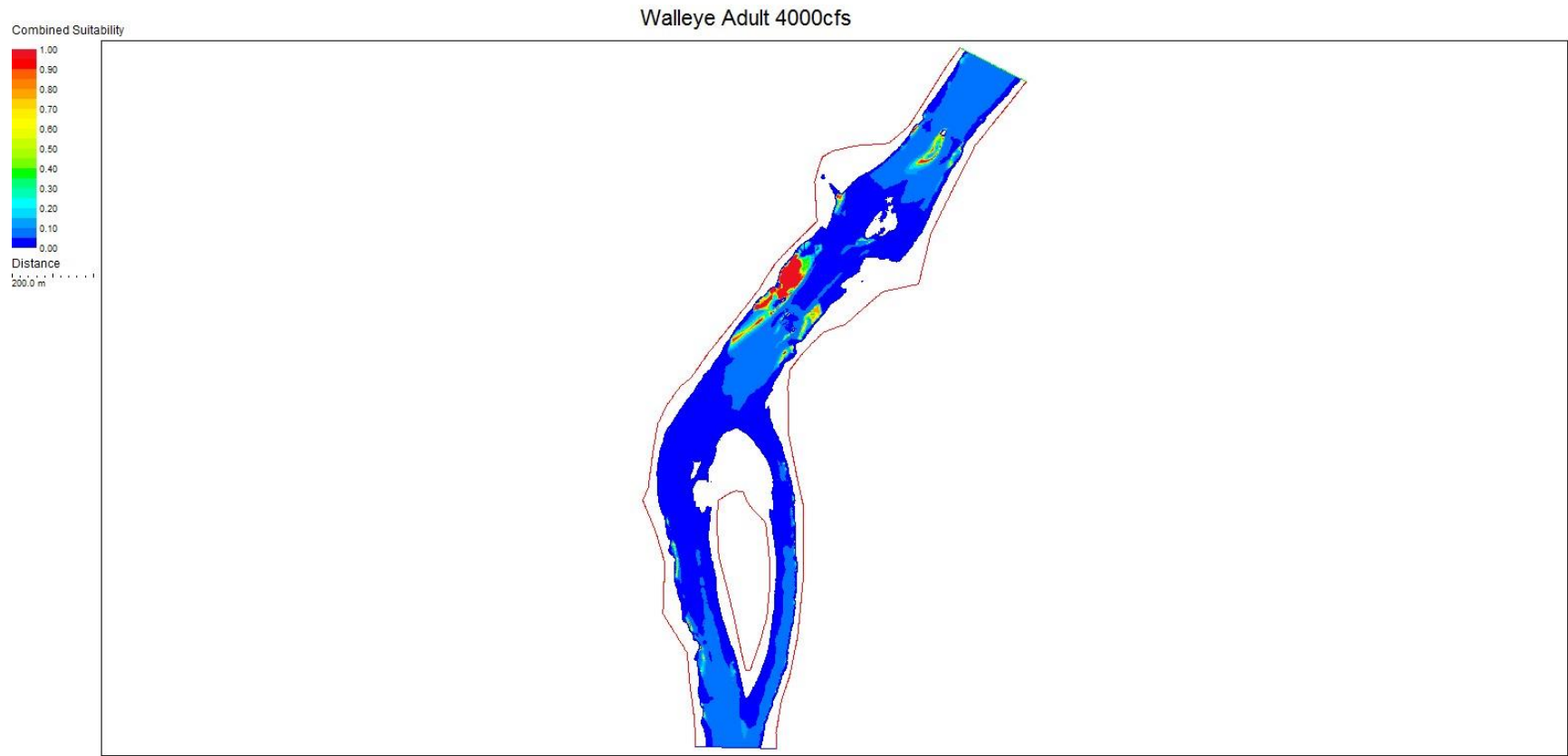


Walleye Adult 1000cfs

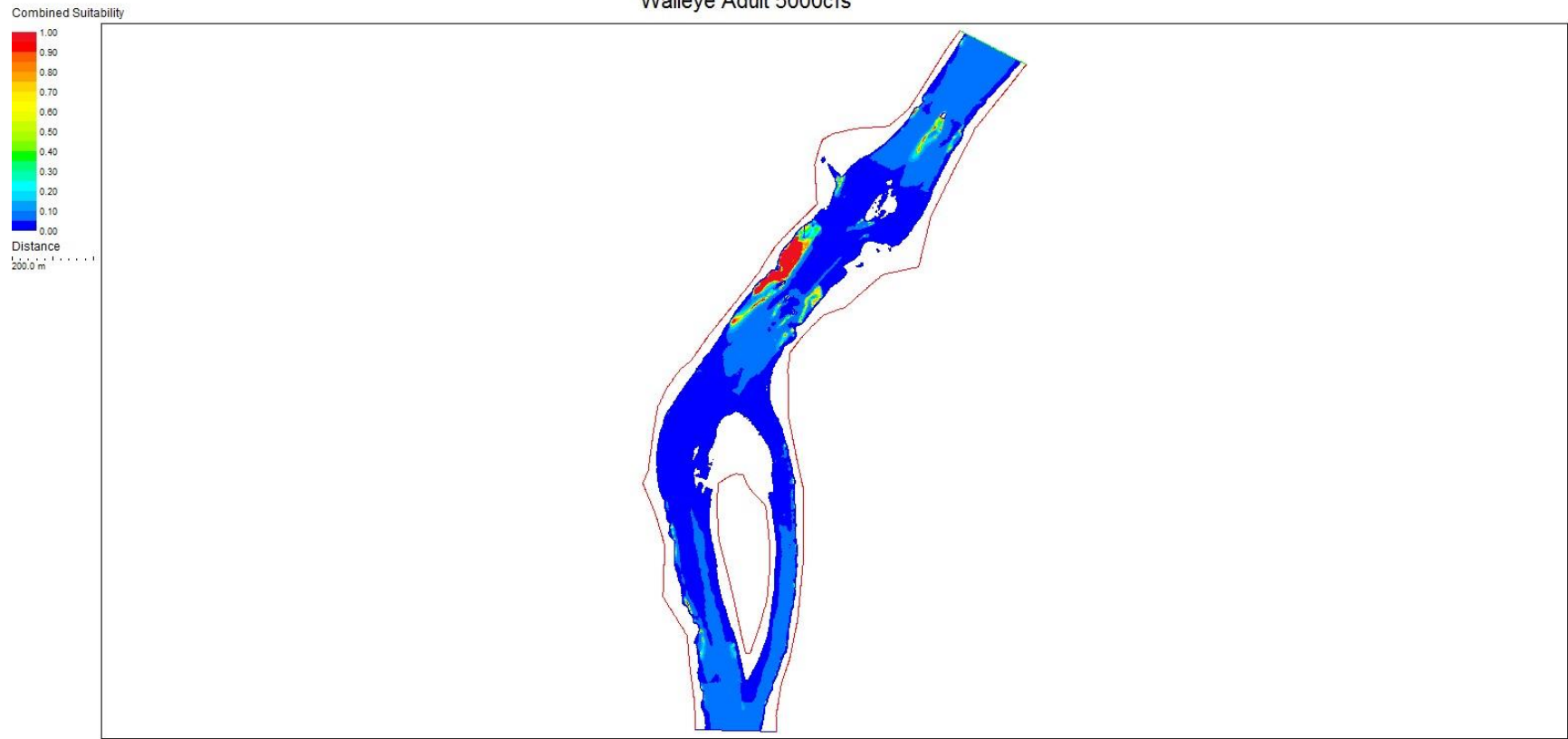




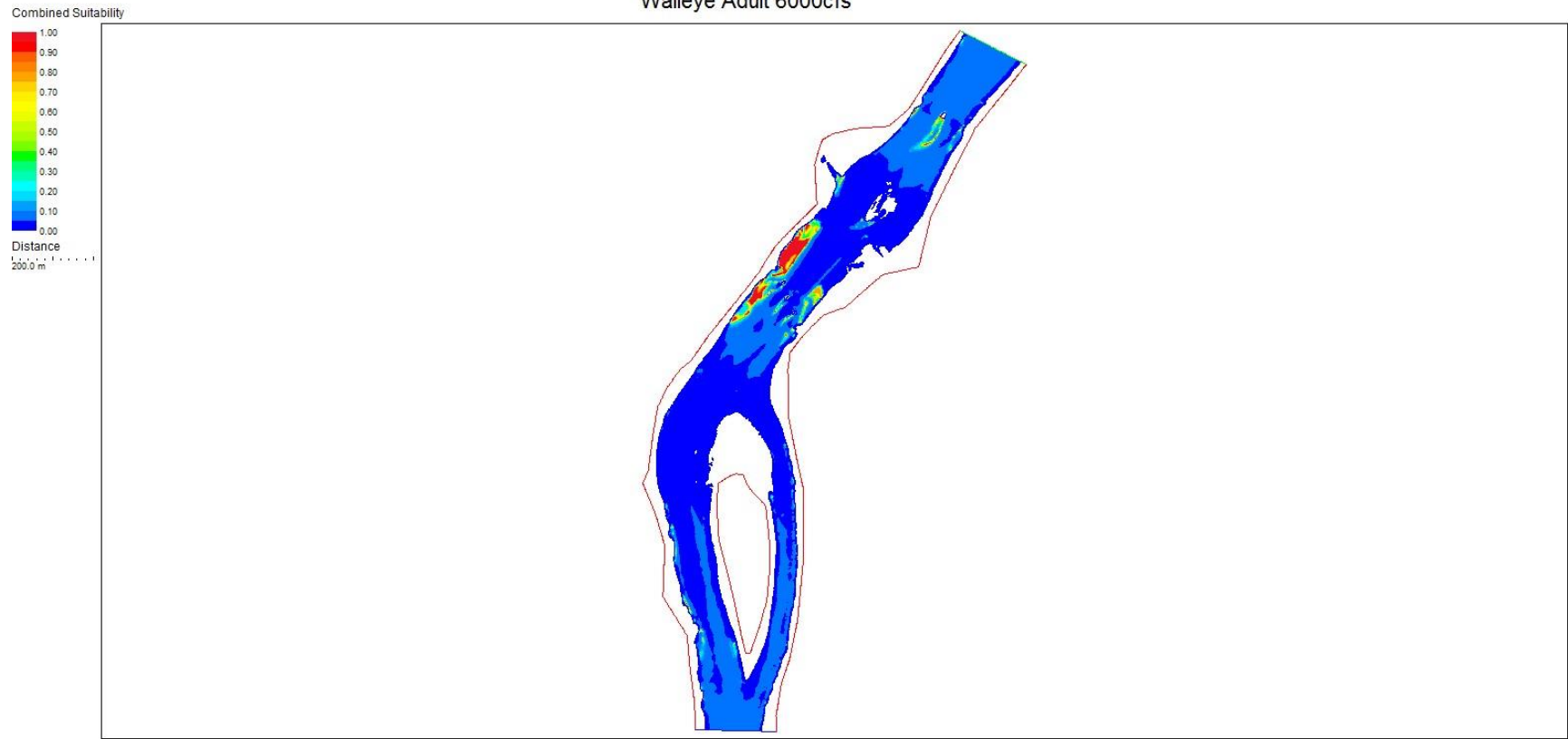




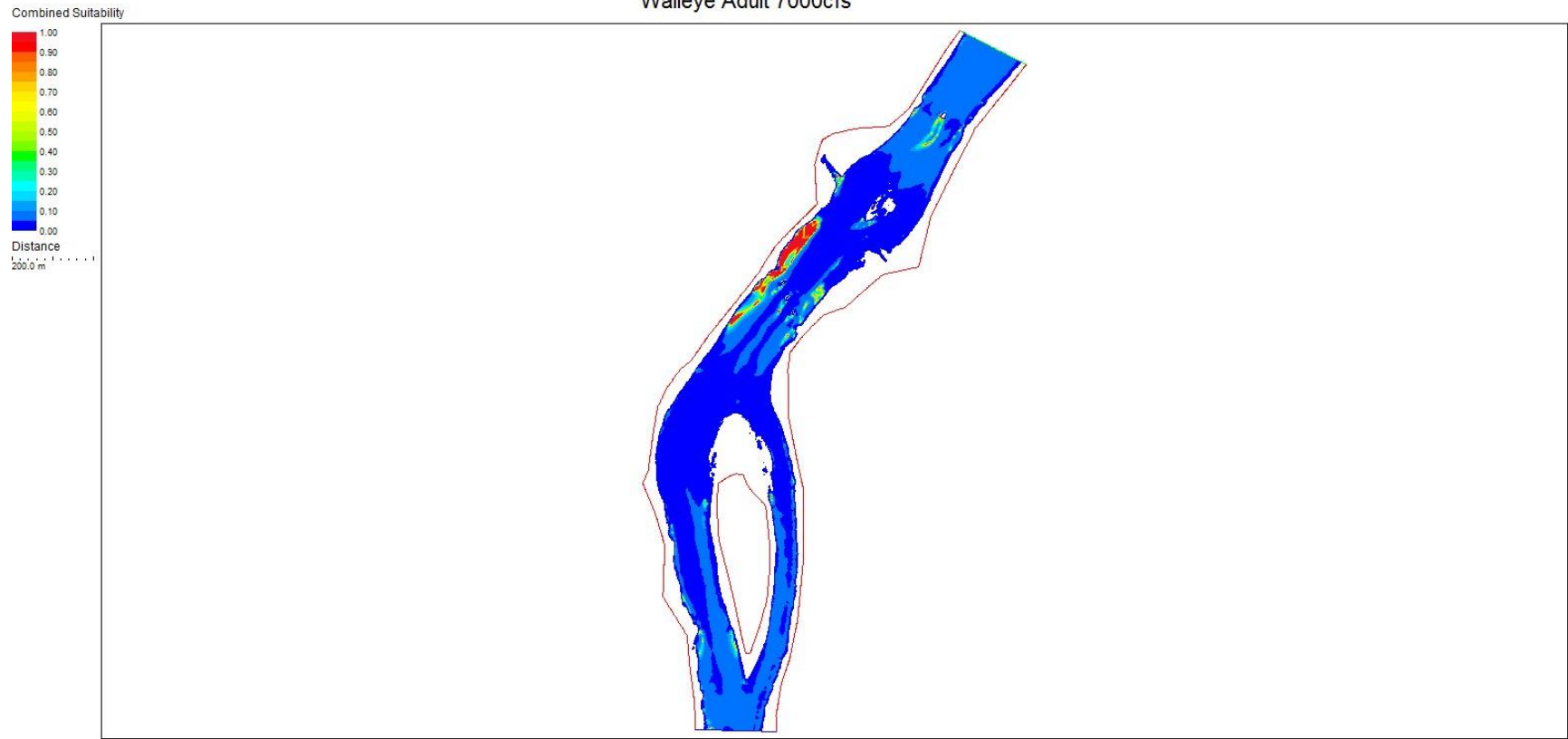
Walleye Adult 5000cfs

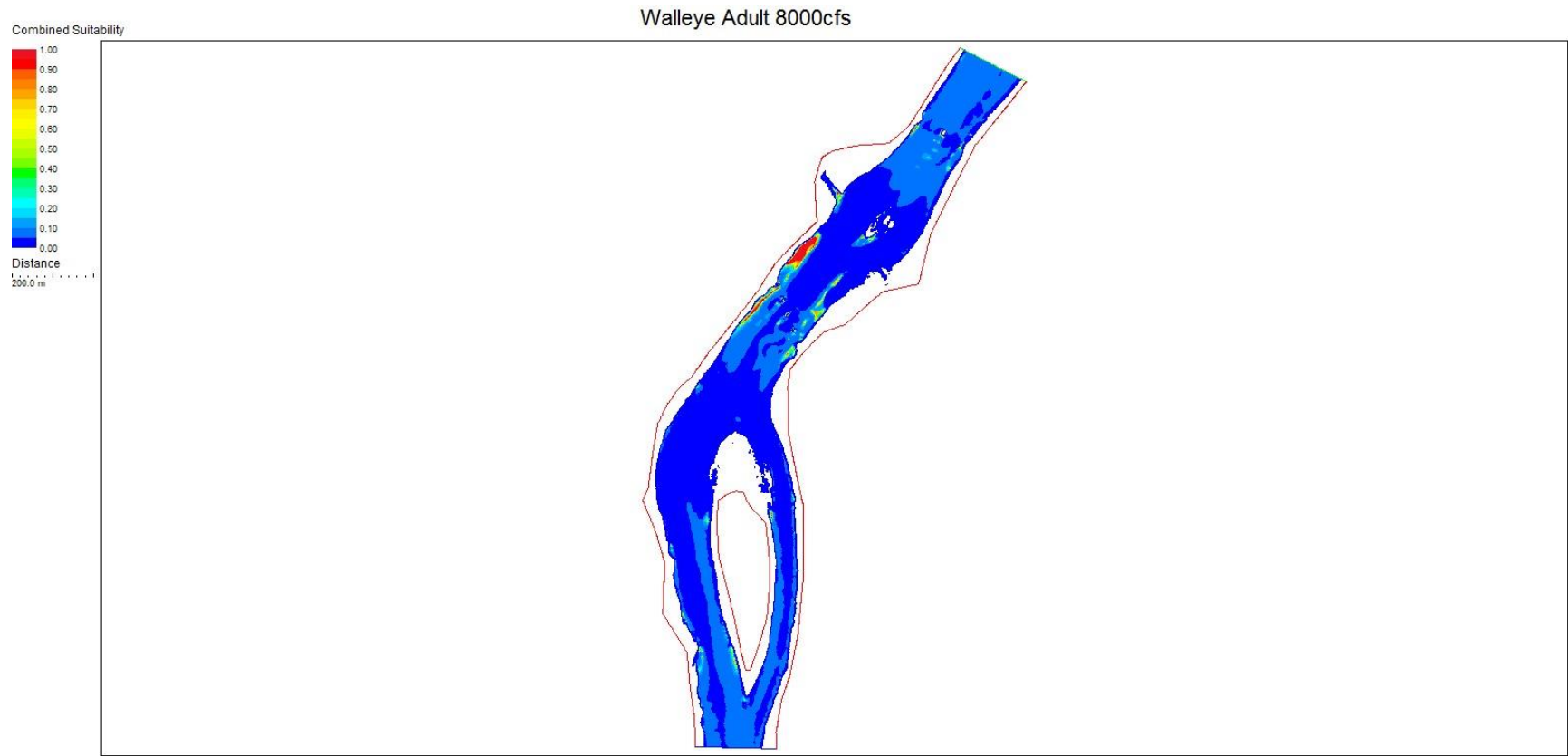


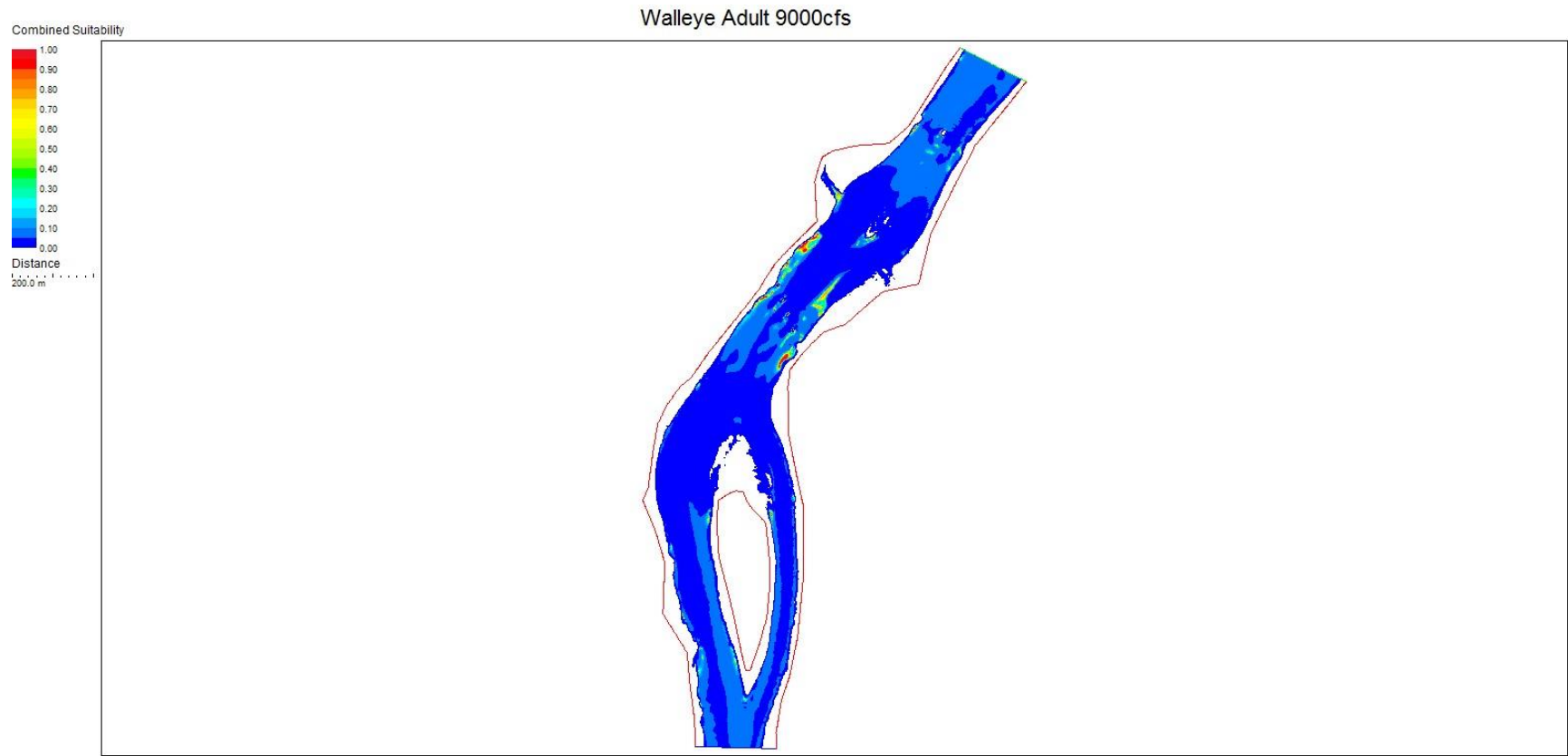
Walleye Adult 6000cfs

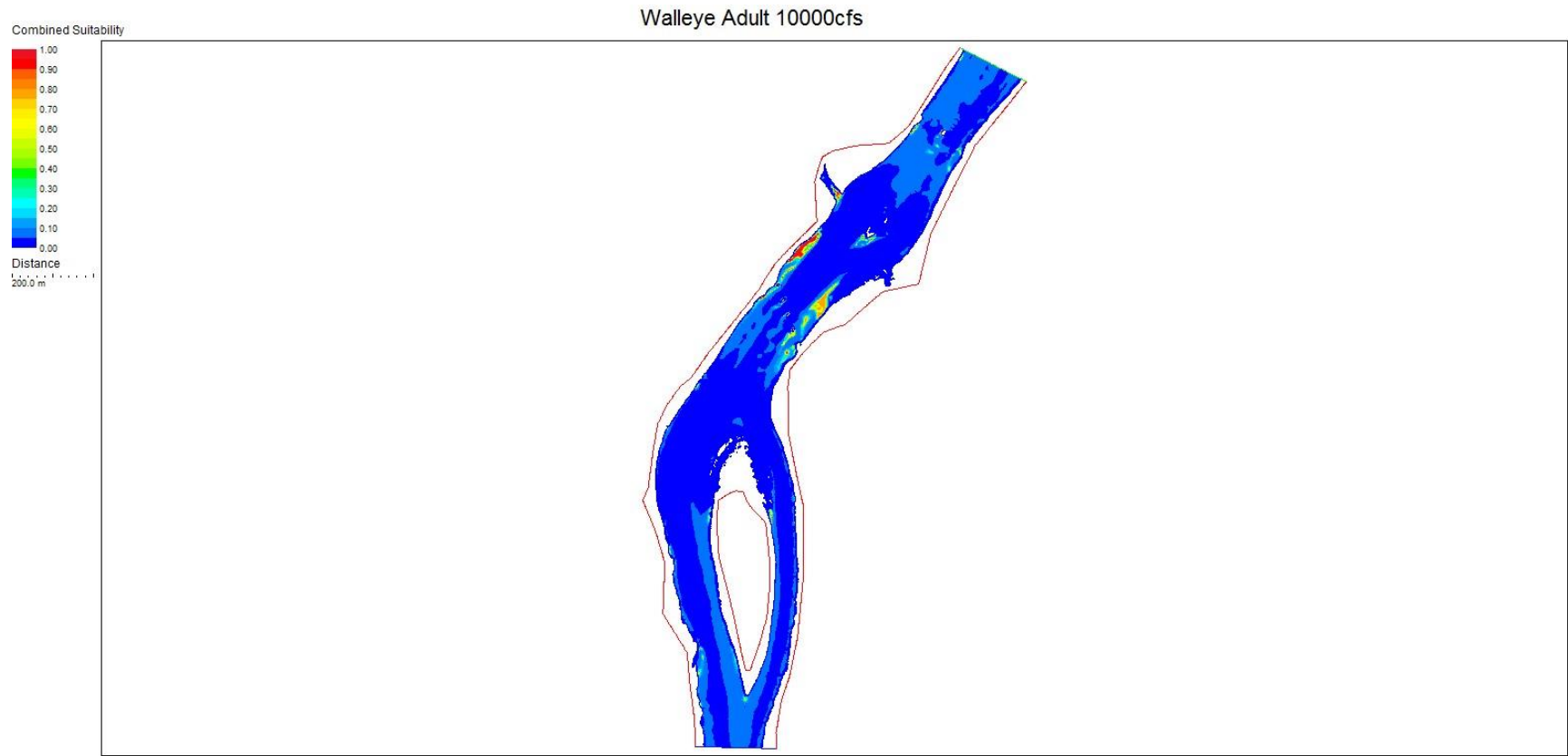


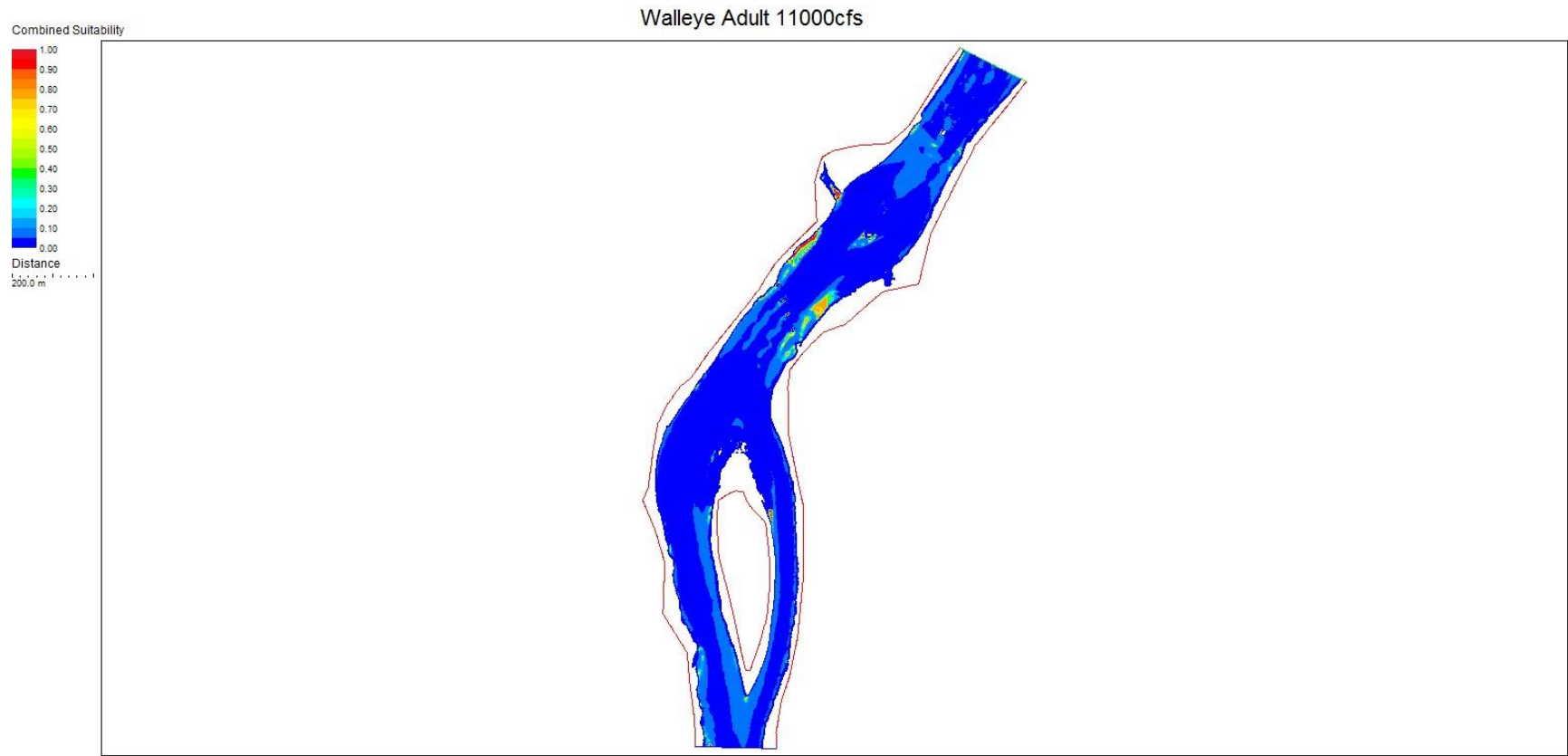
Walleye Adult 7000cfs

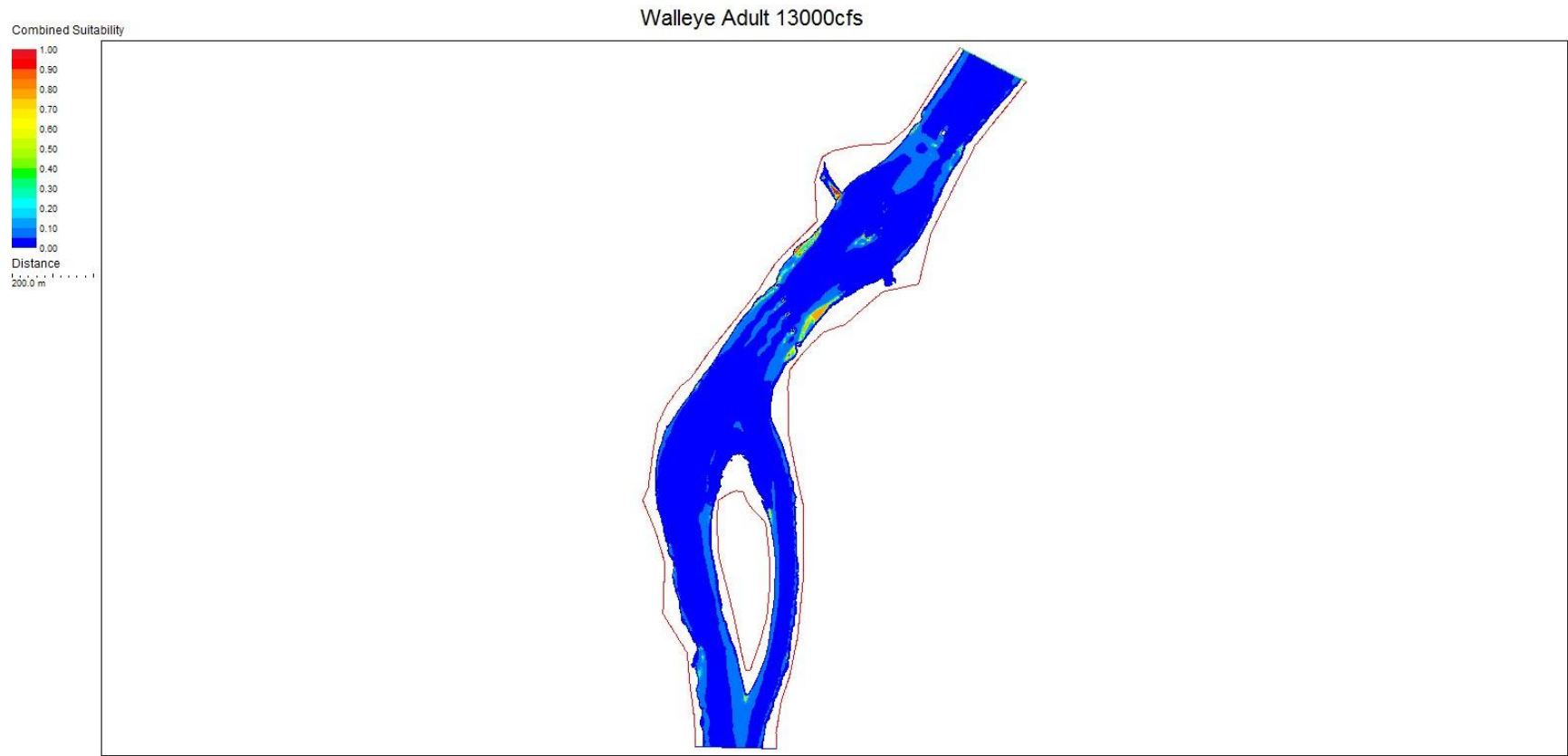


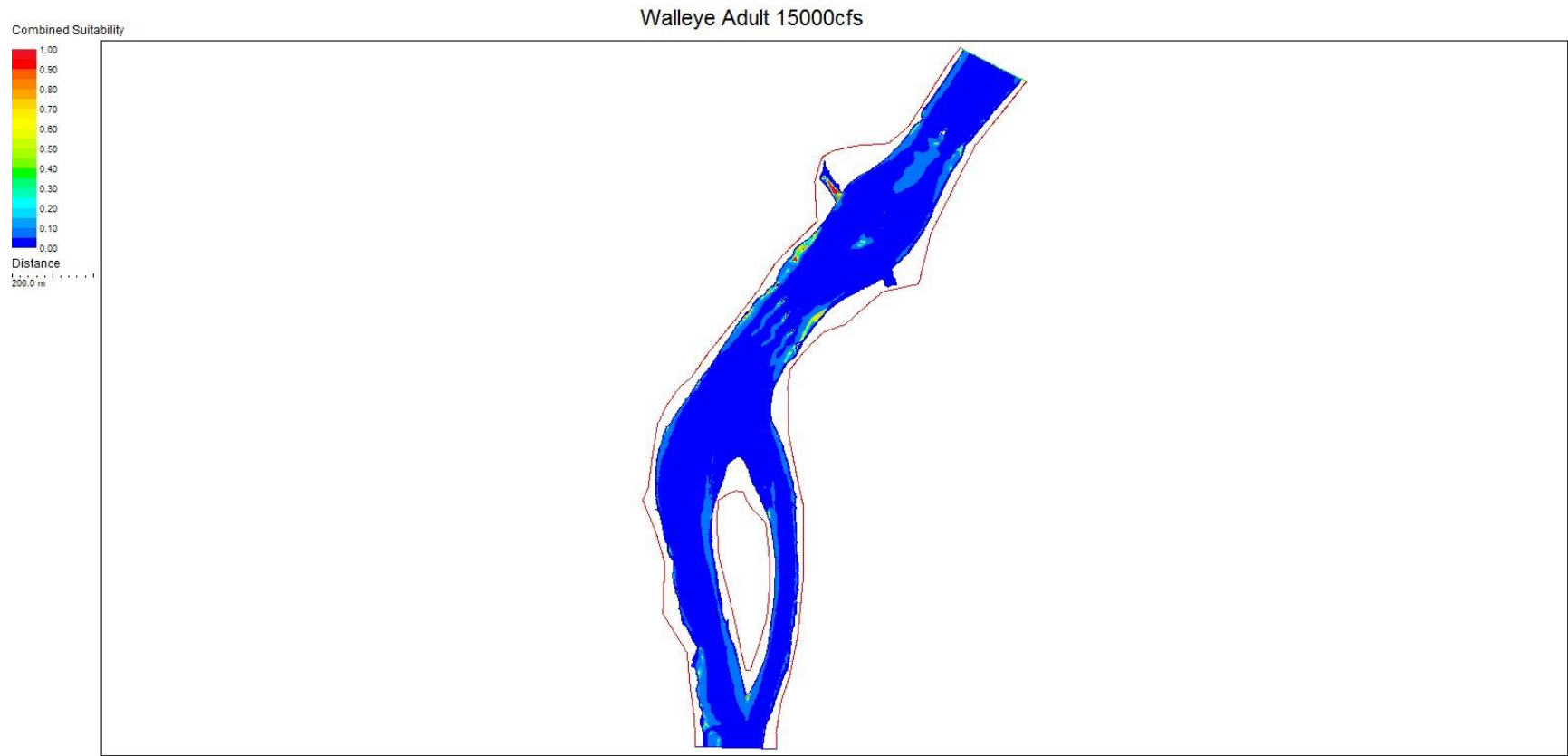


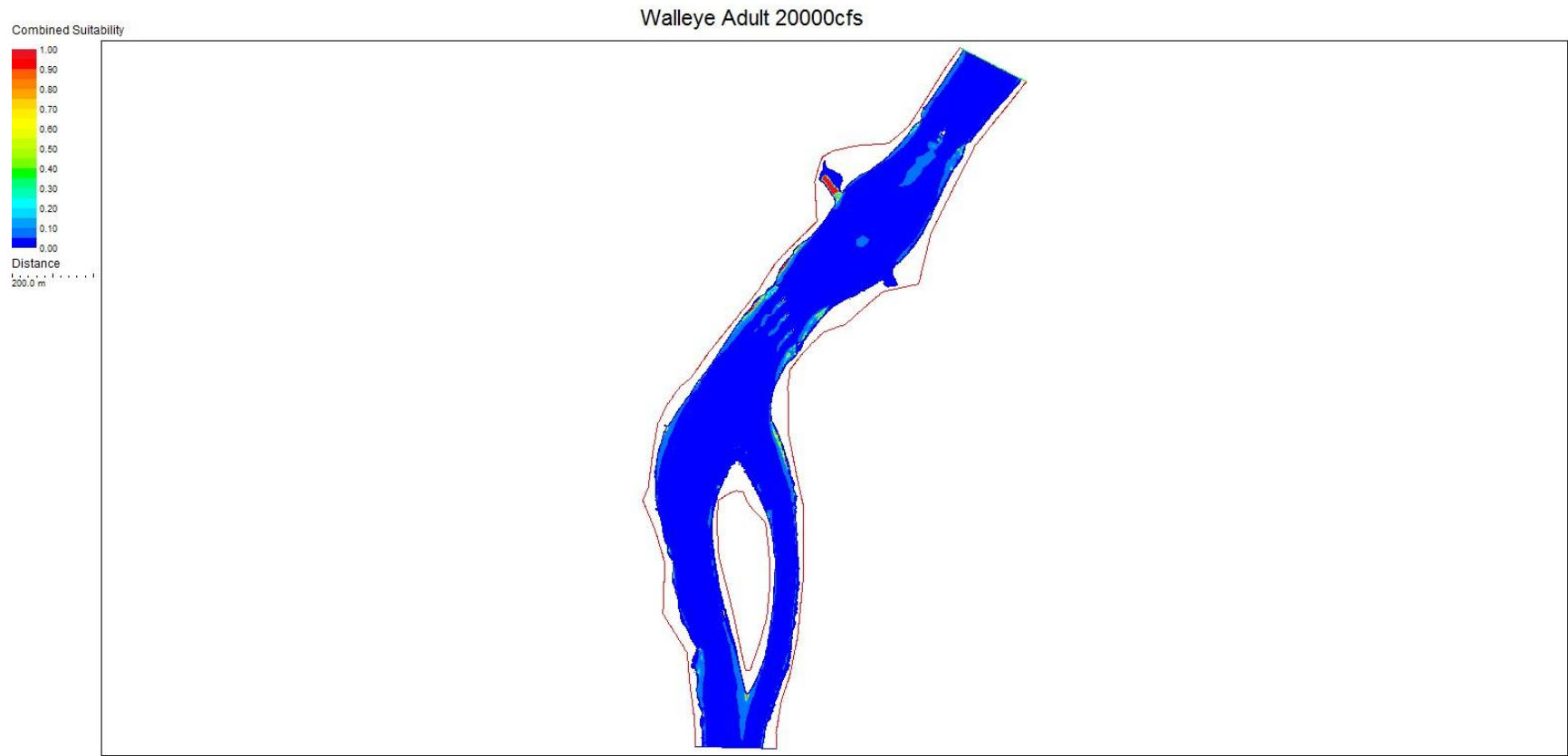


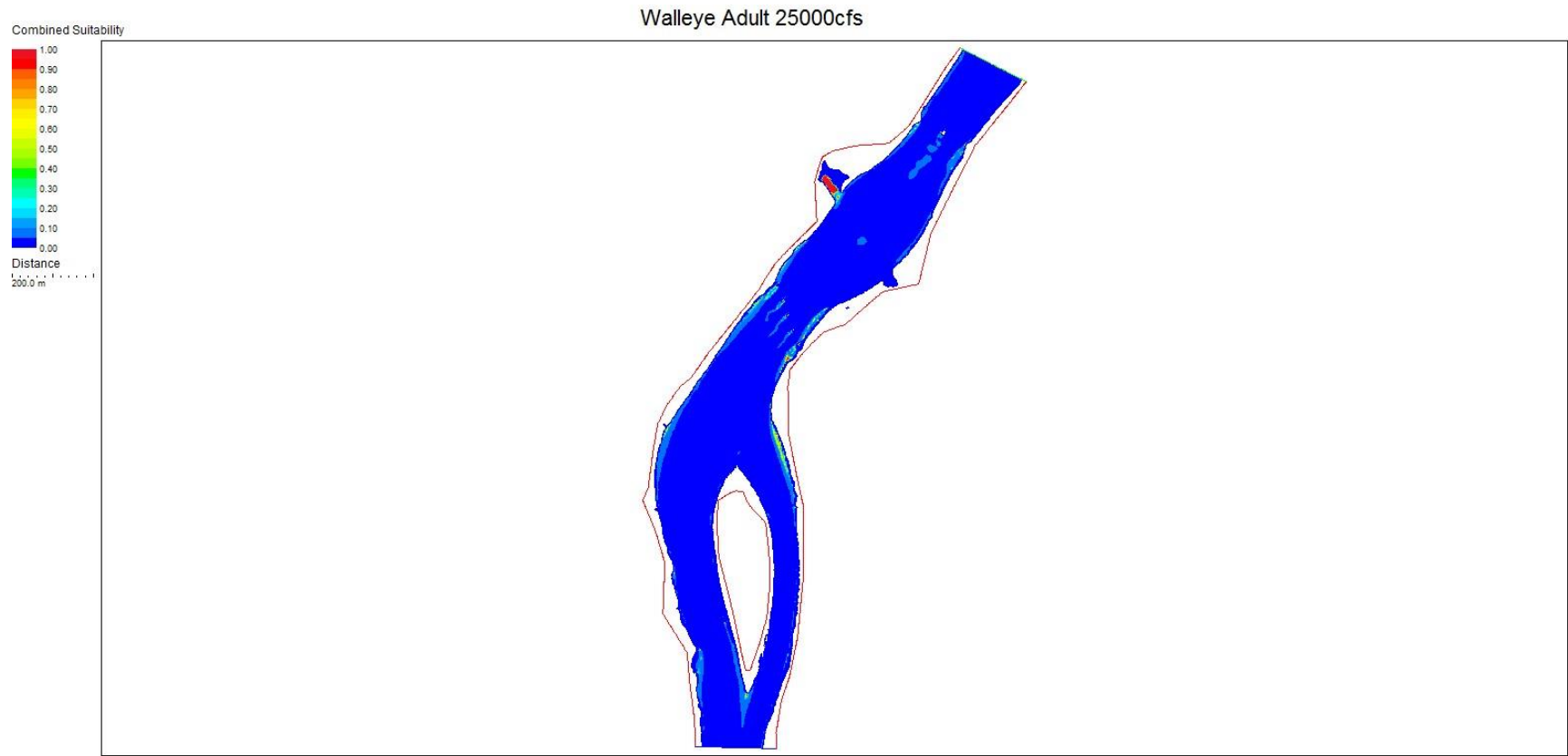




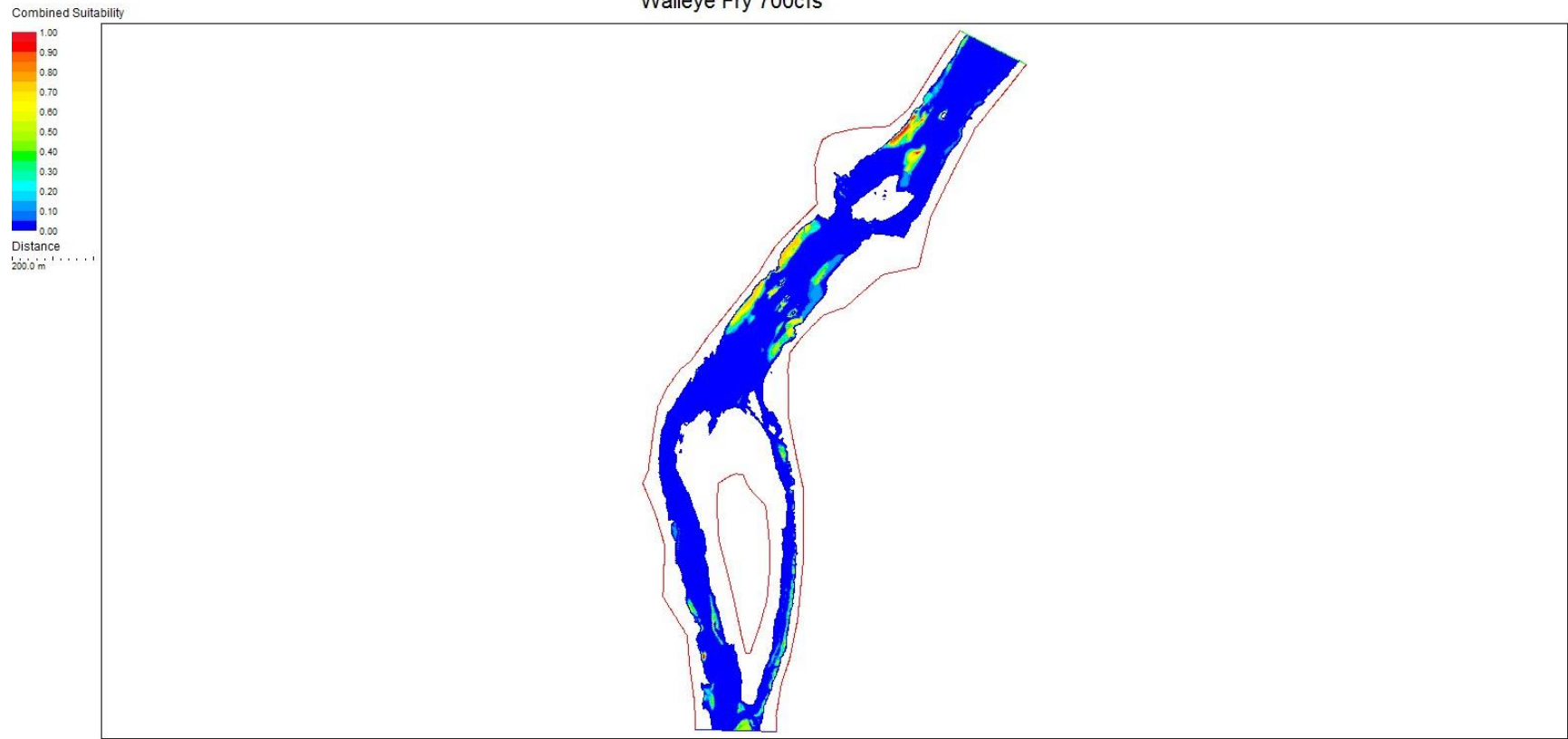


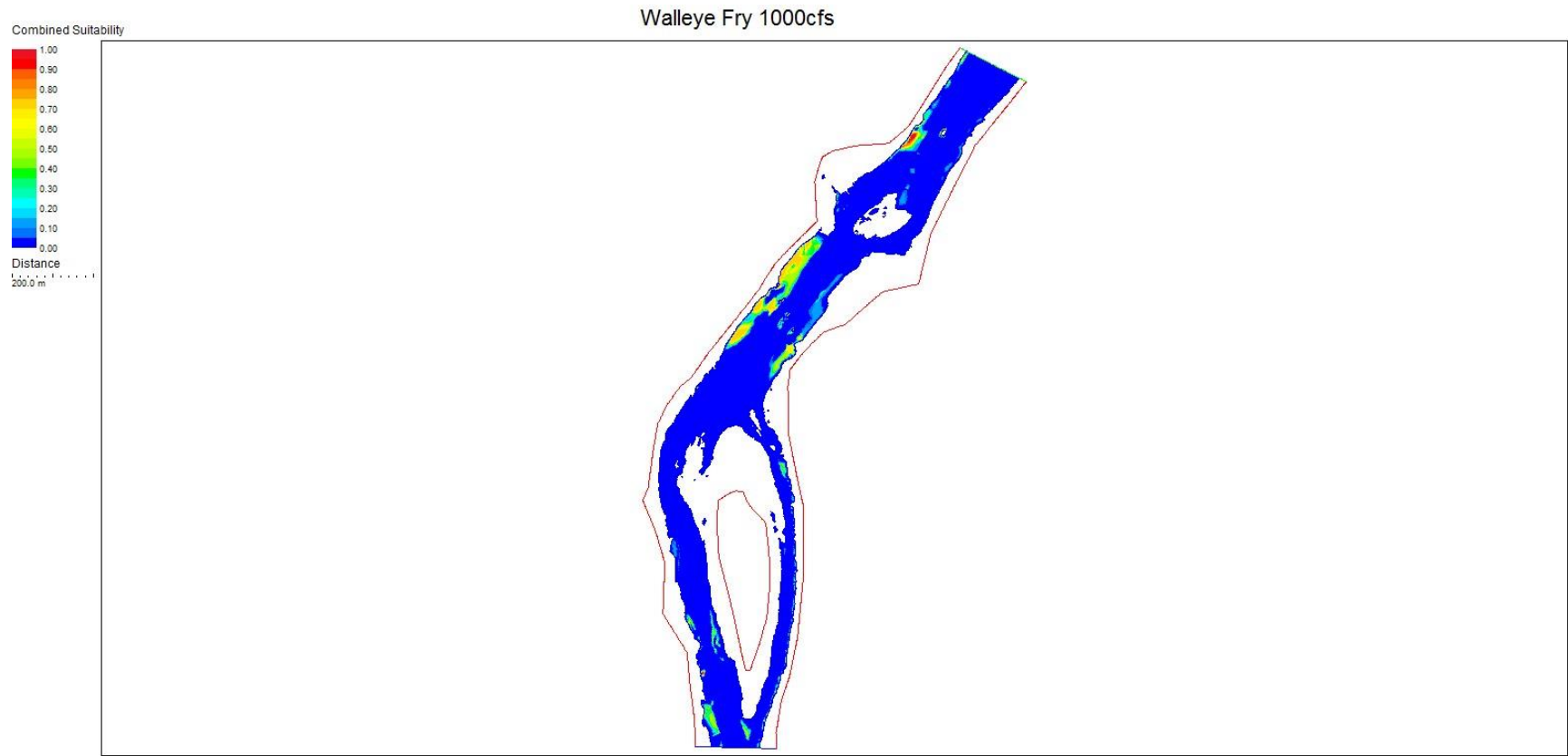


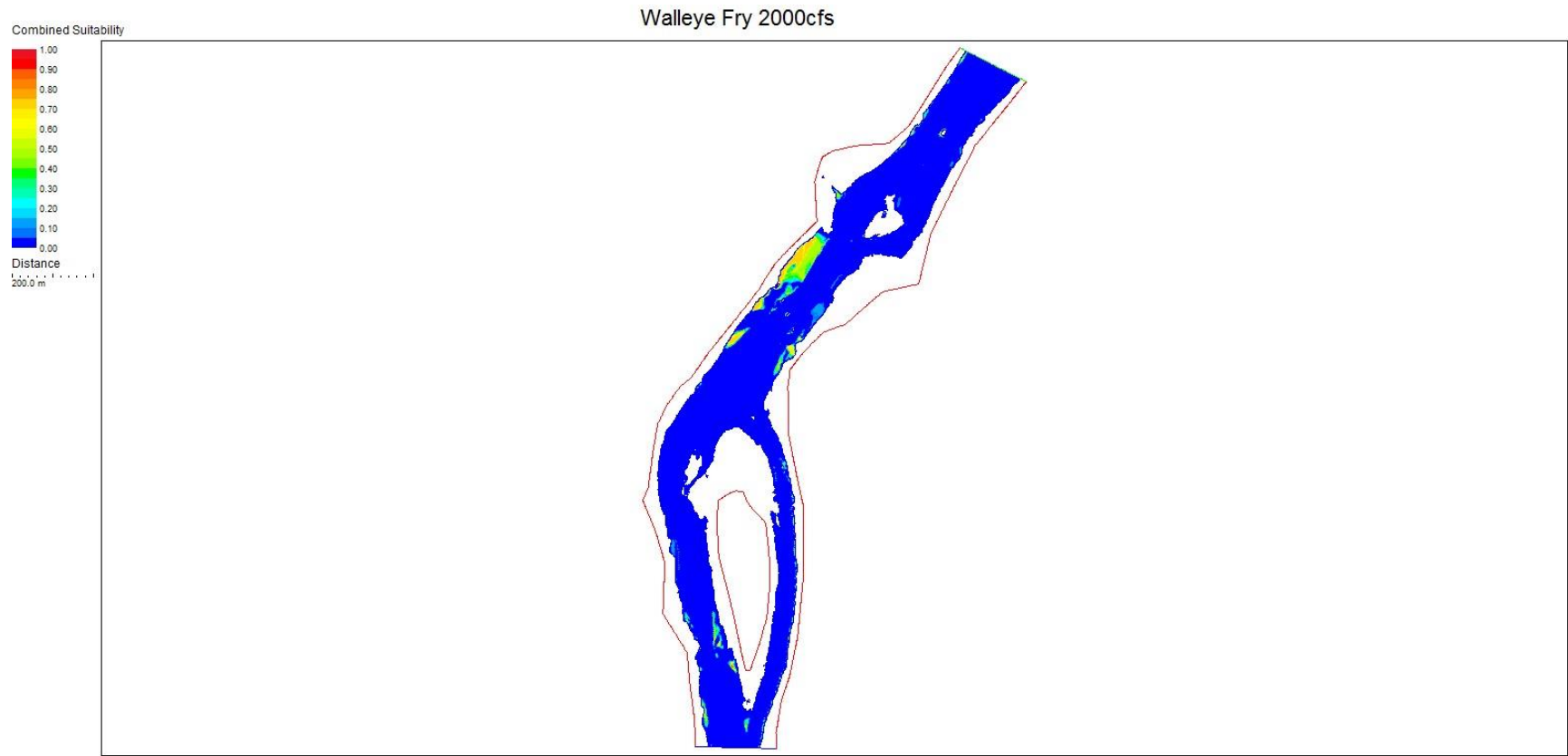


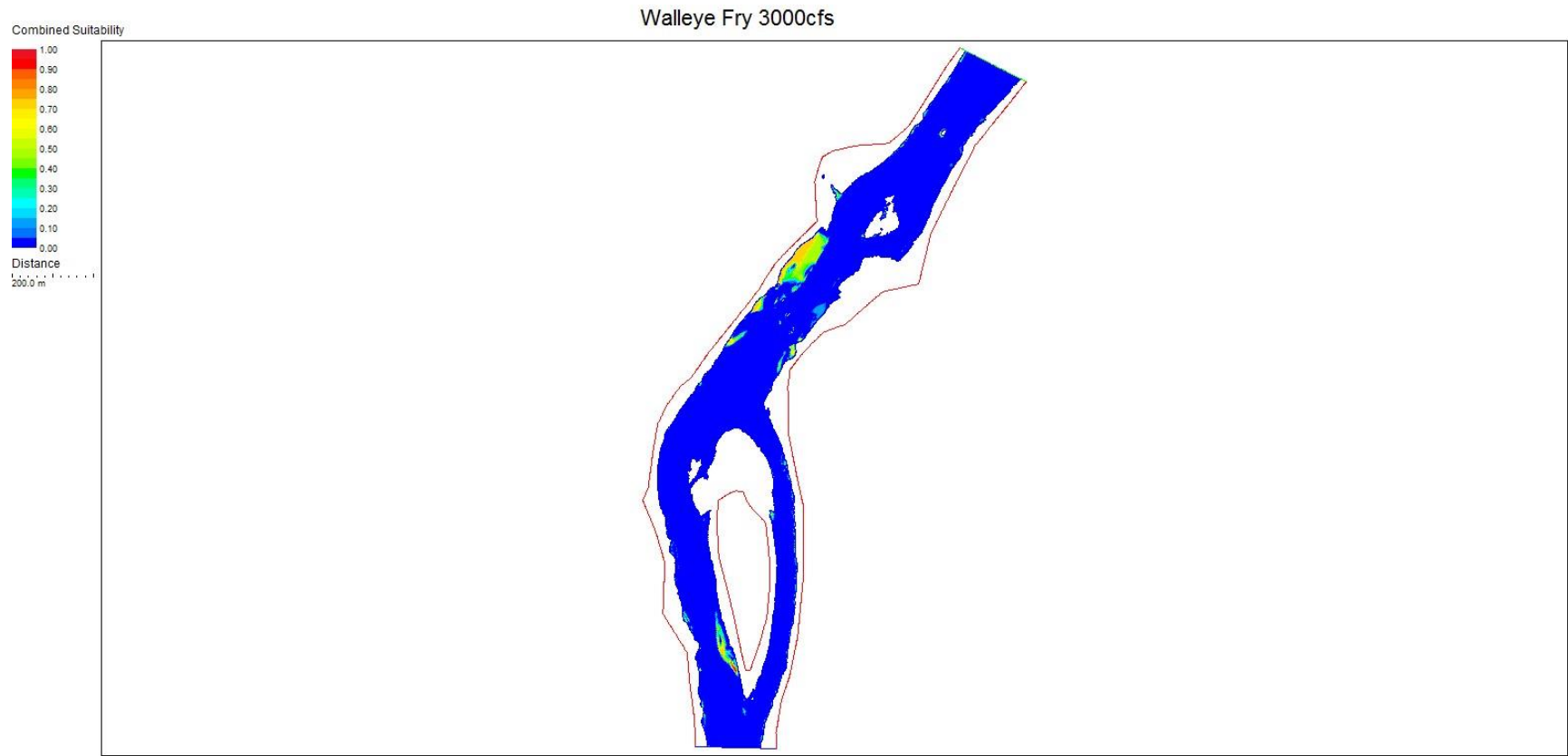


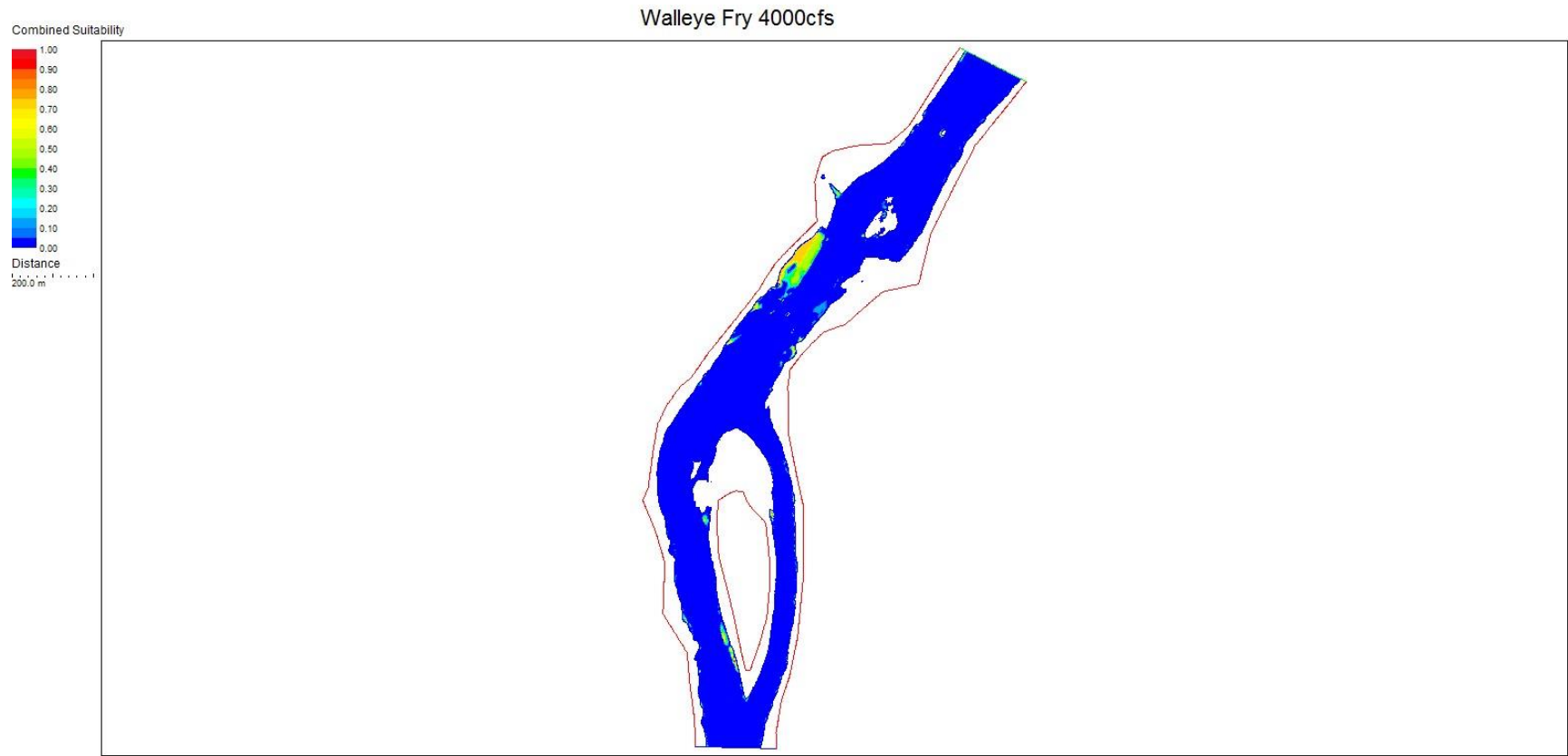
Walleye Fry 700cfs



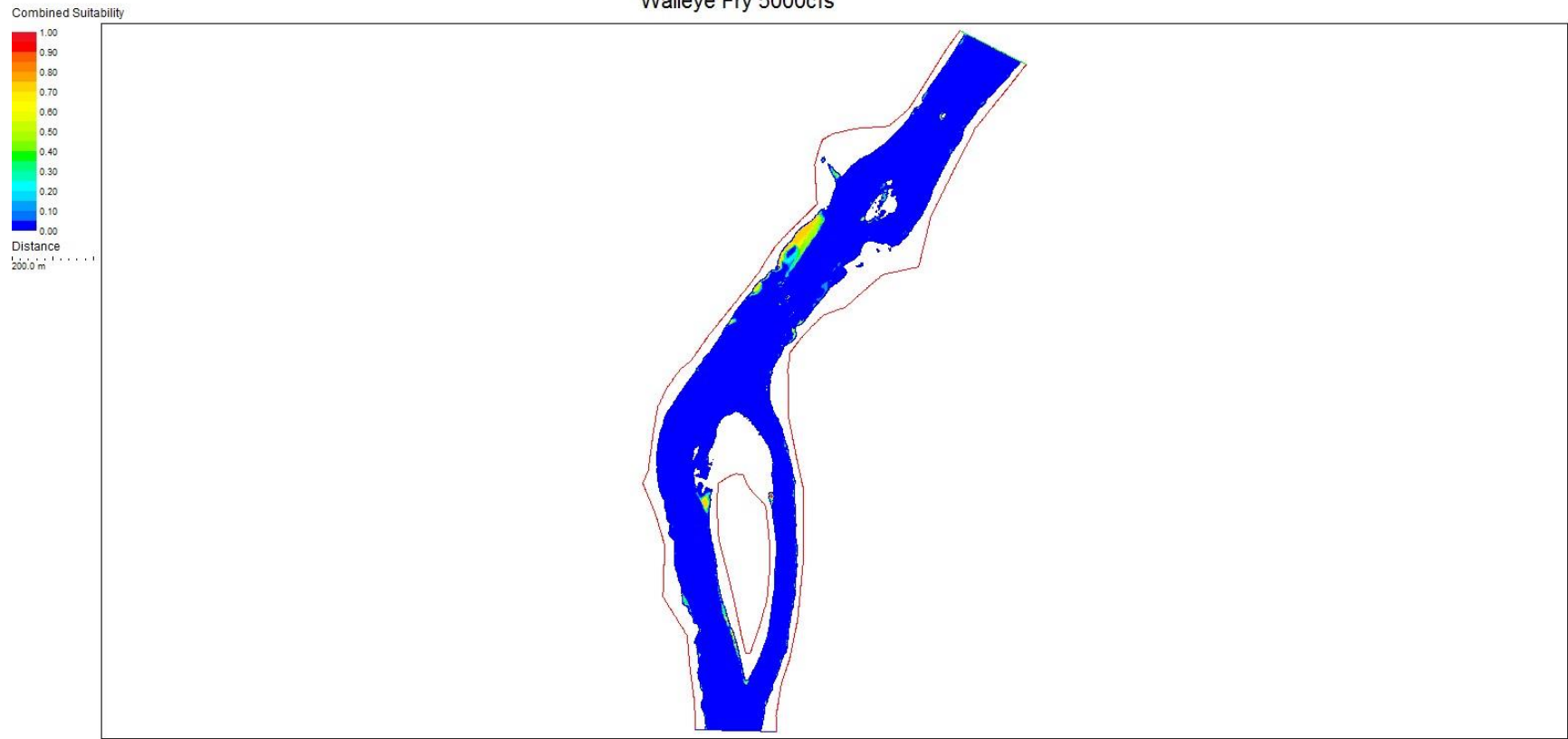




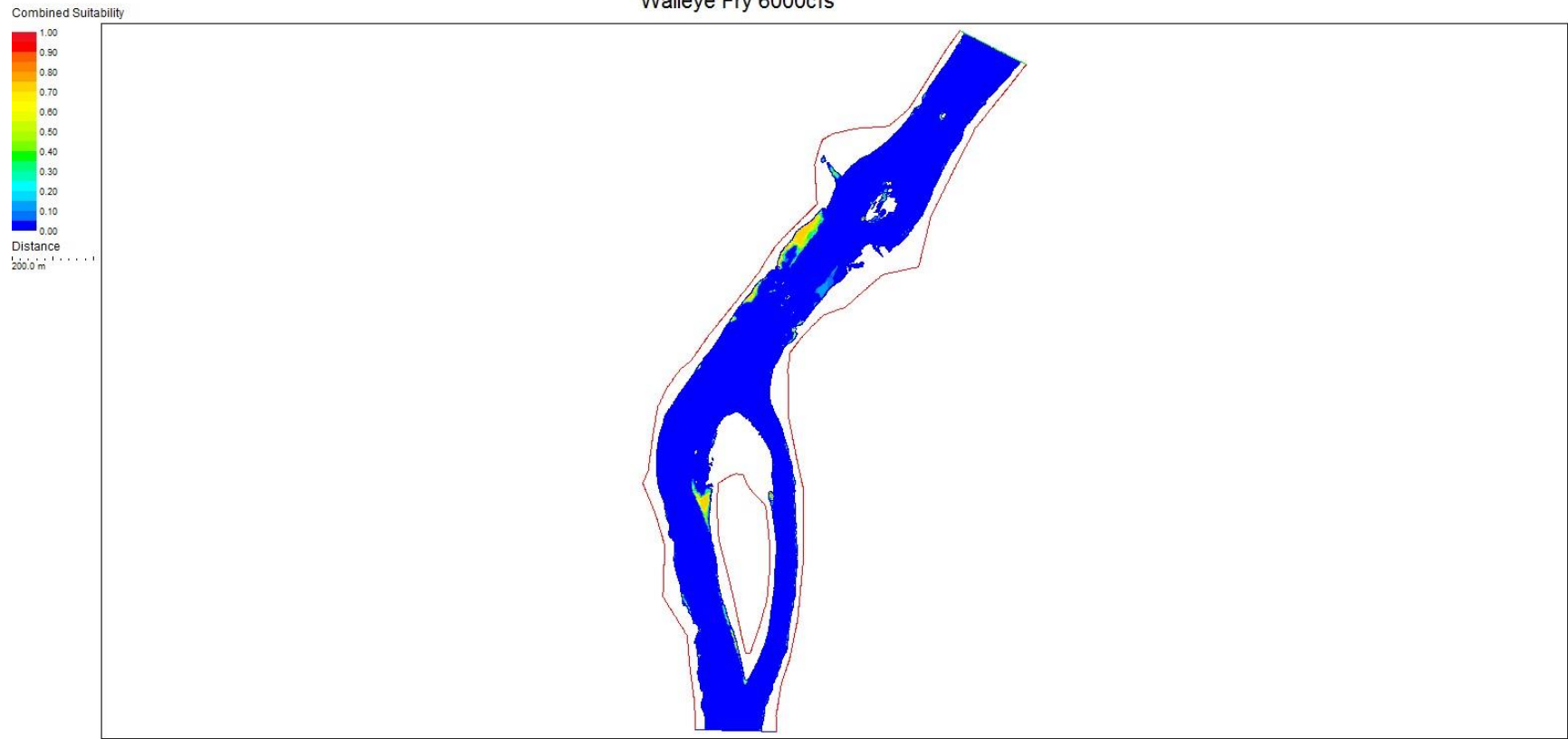




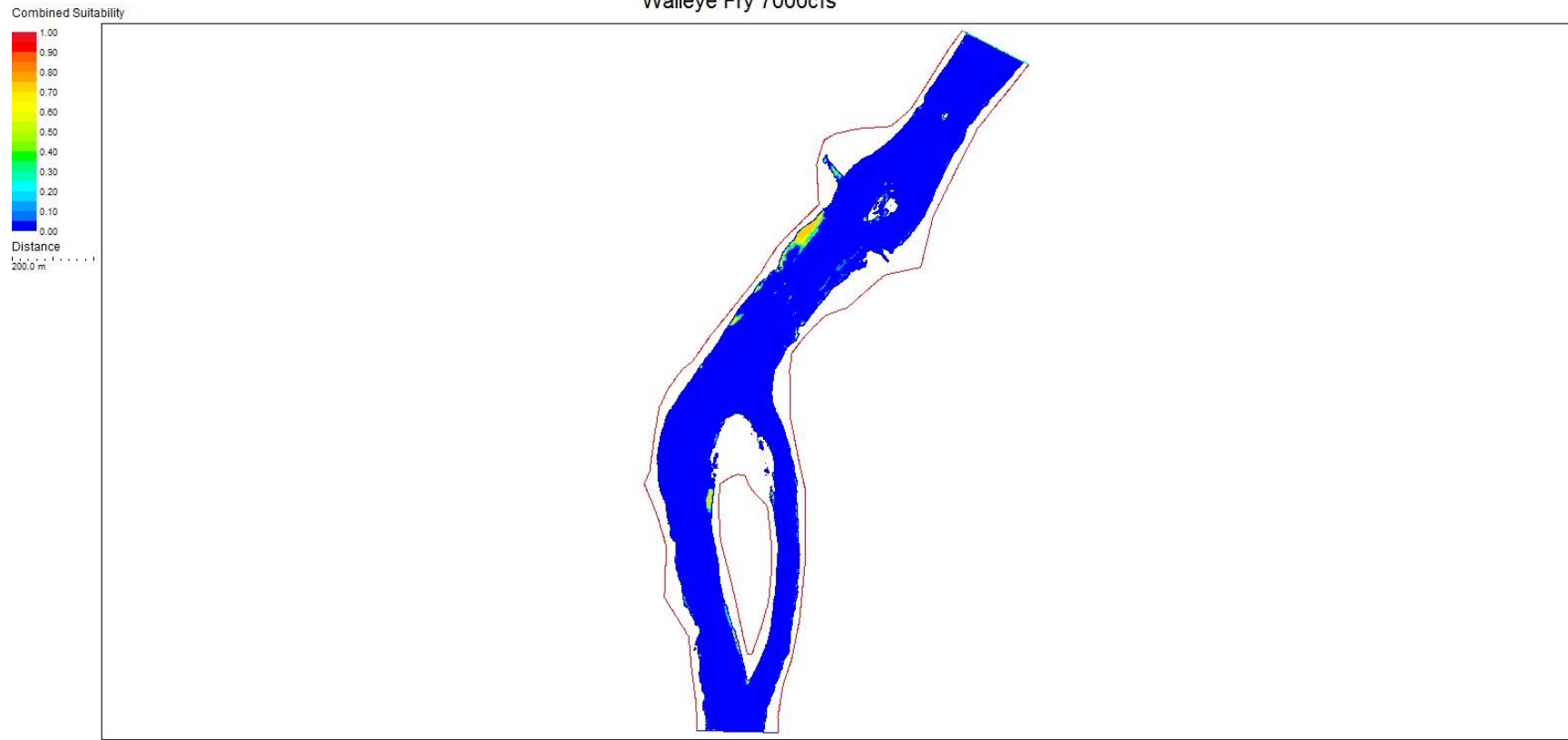
Walleye Fry 5000cfs



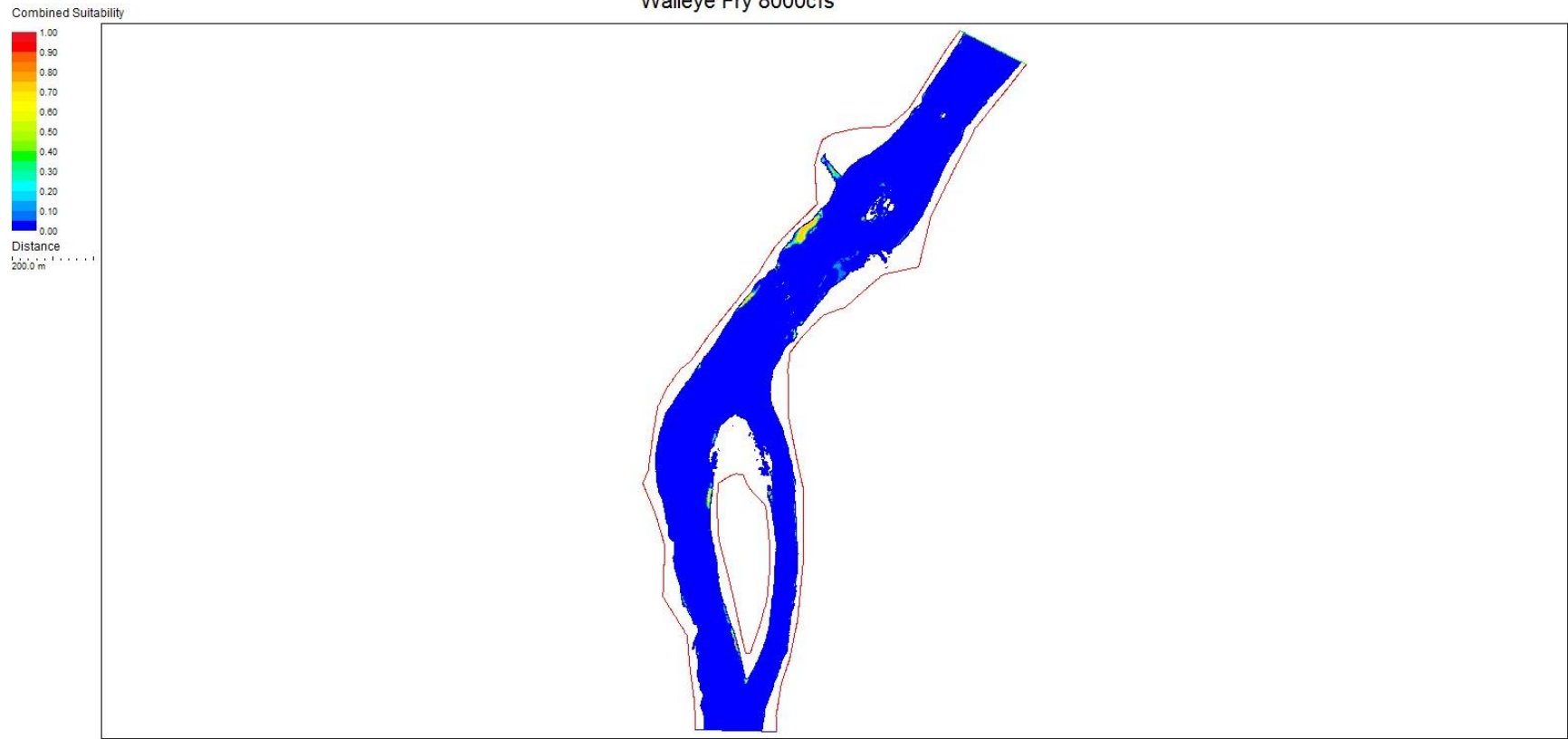
Walleye Fry 6000cfs



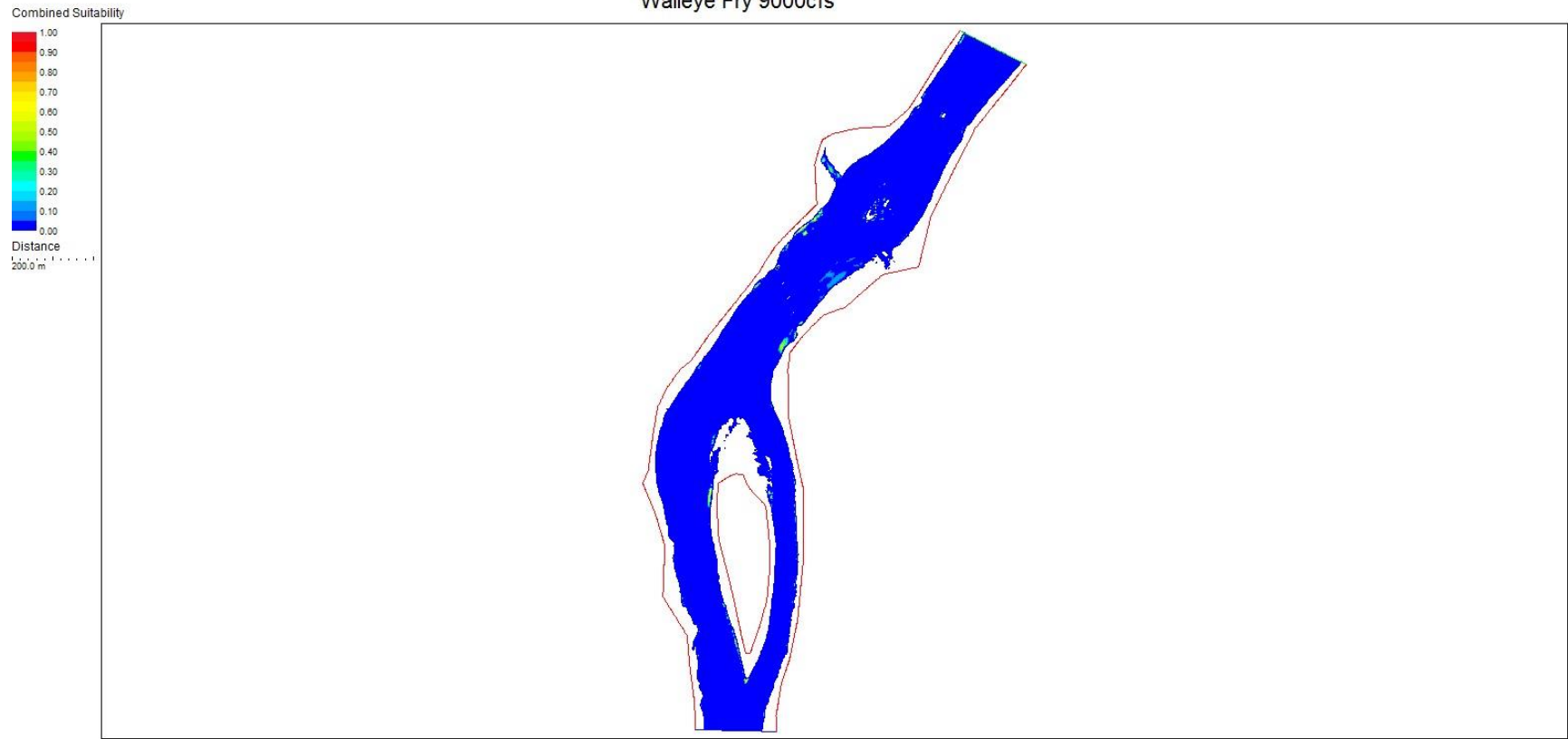
Walleye Fry 7000cfs

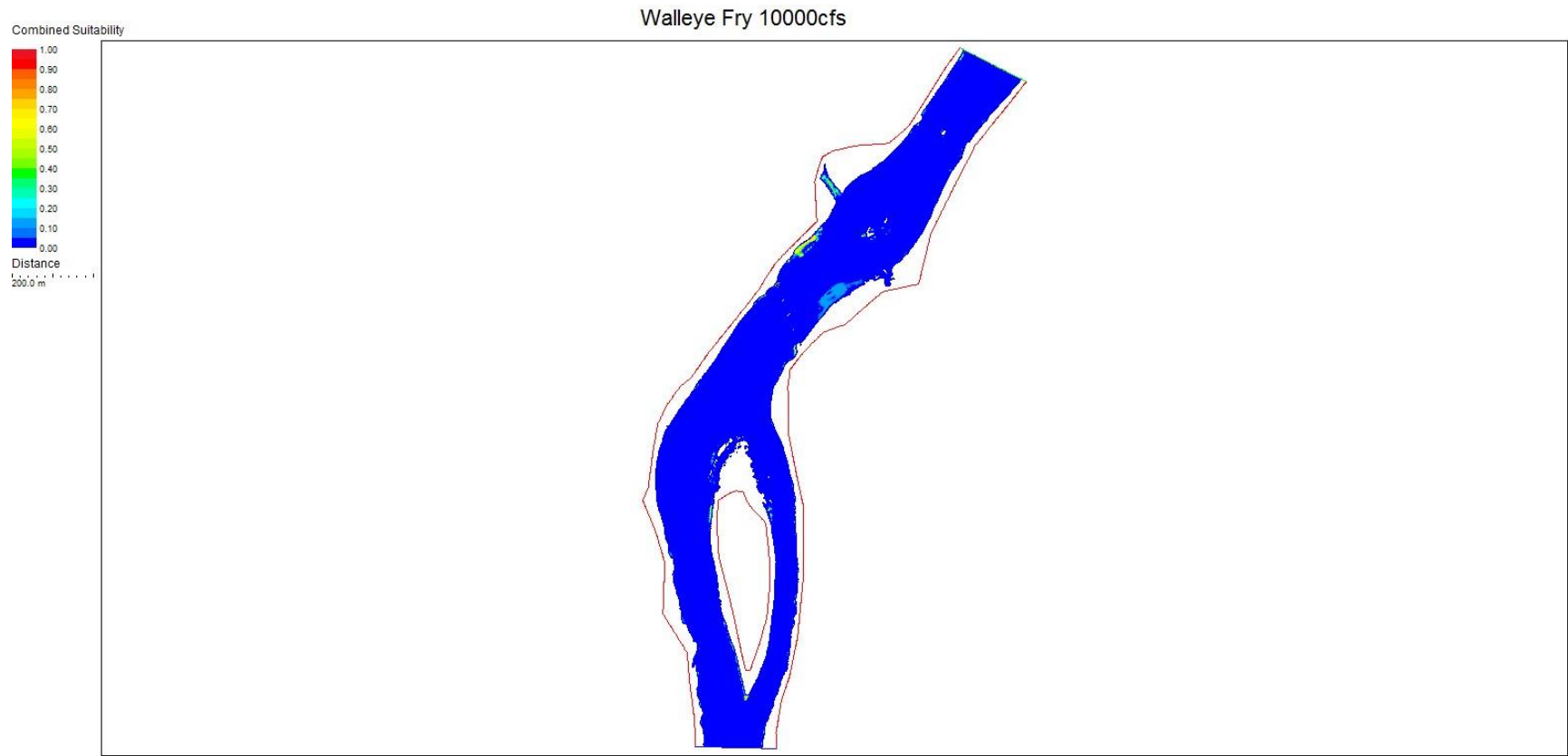


Walleye Fry 8000cfs

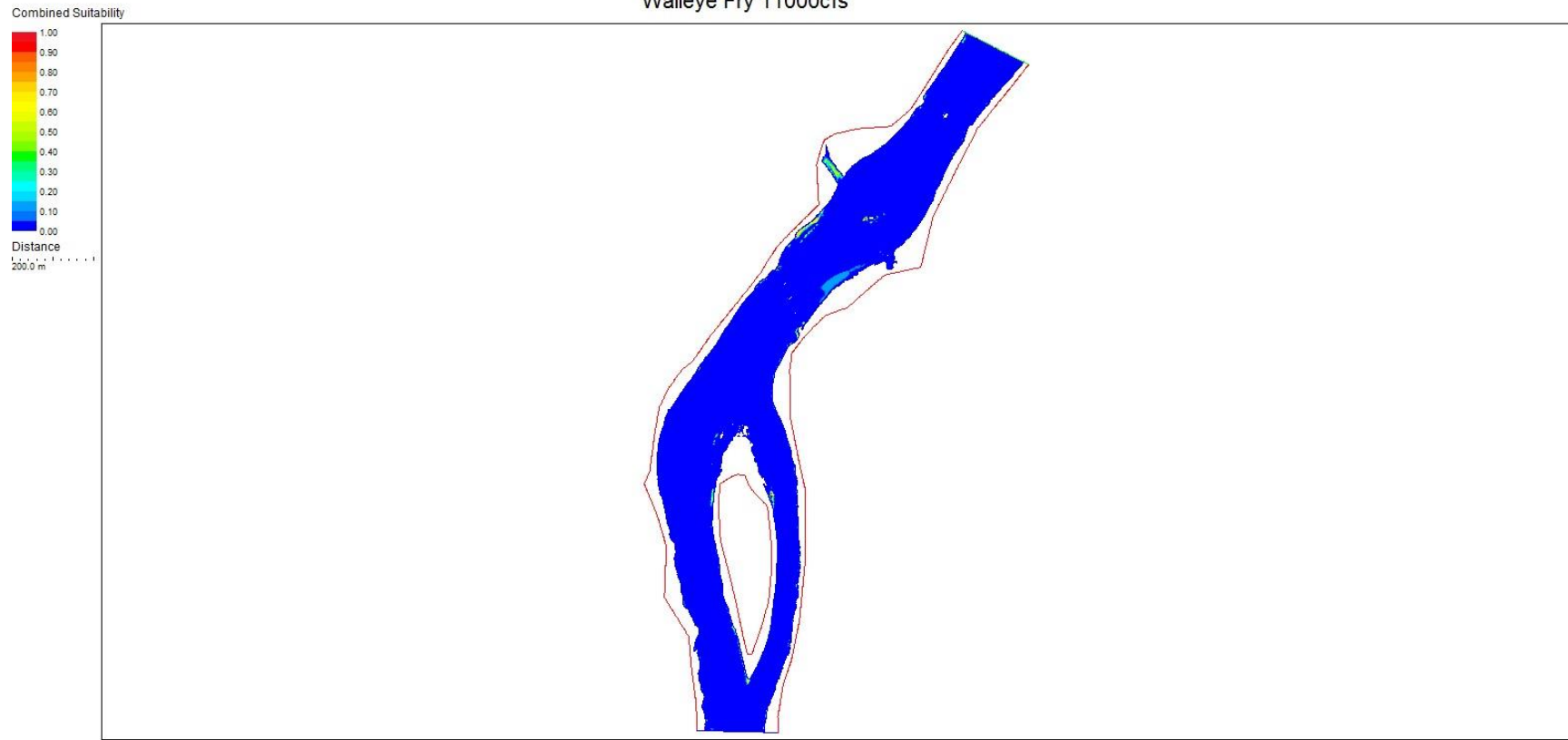


Walleye Fry 9000cfs

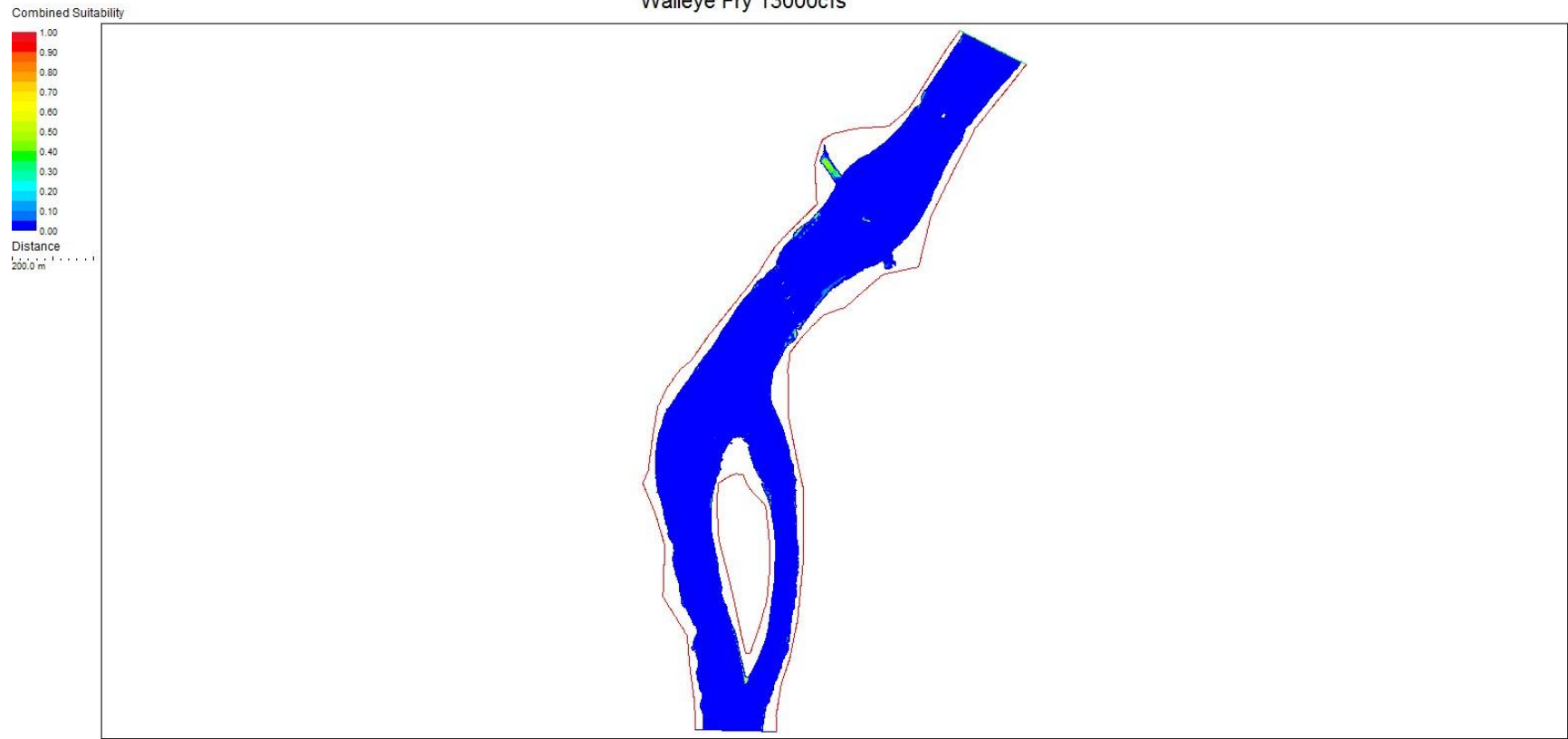


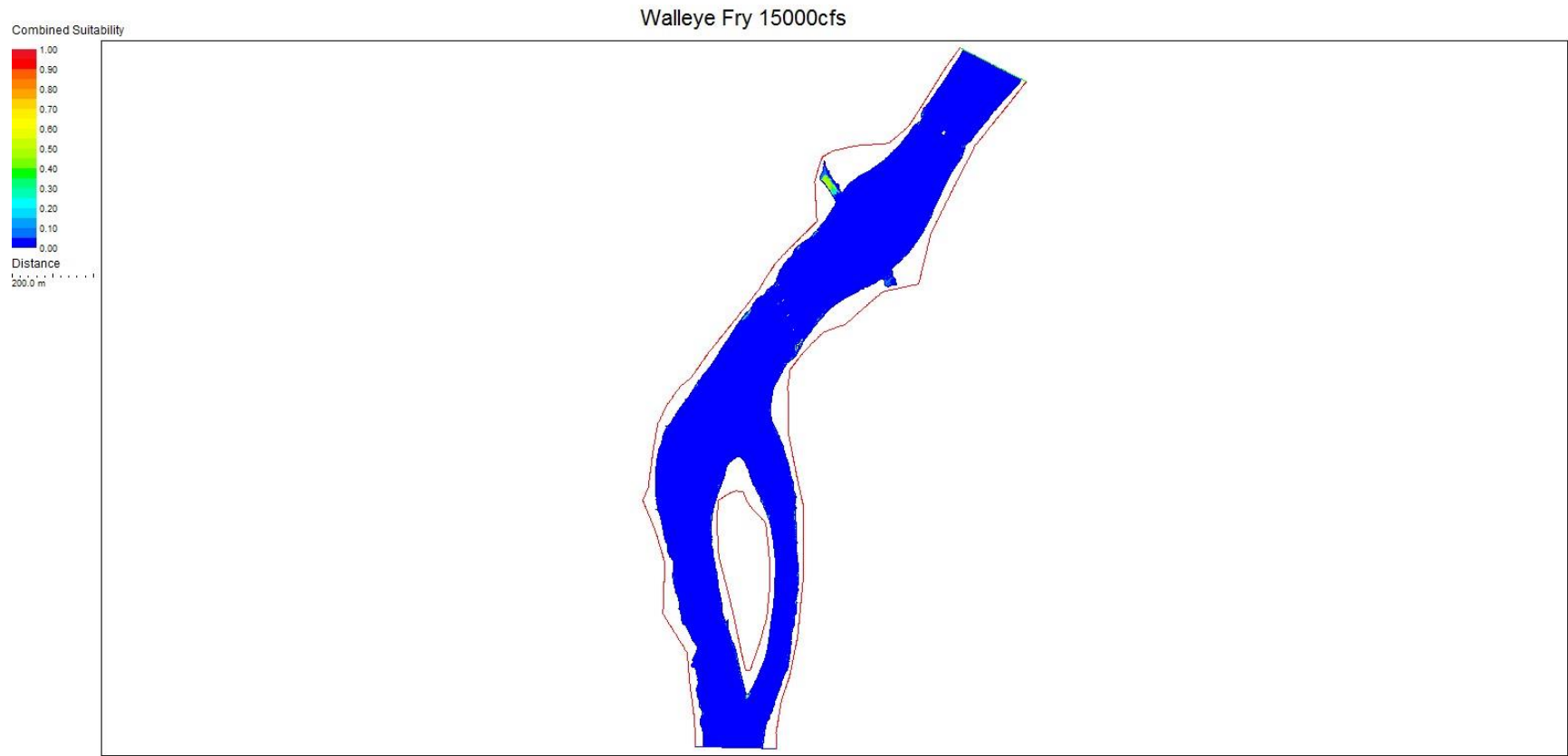


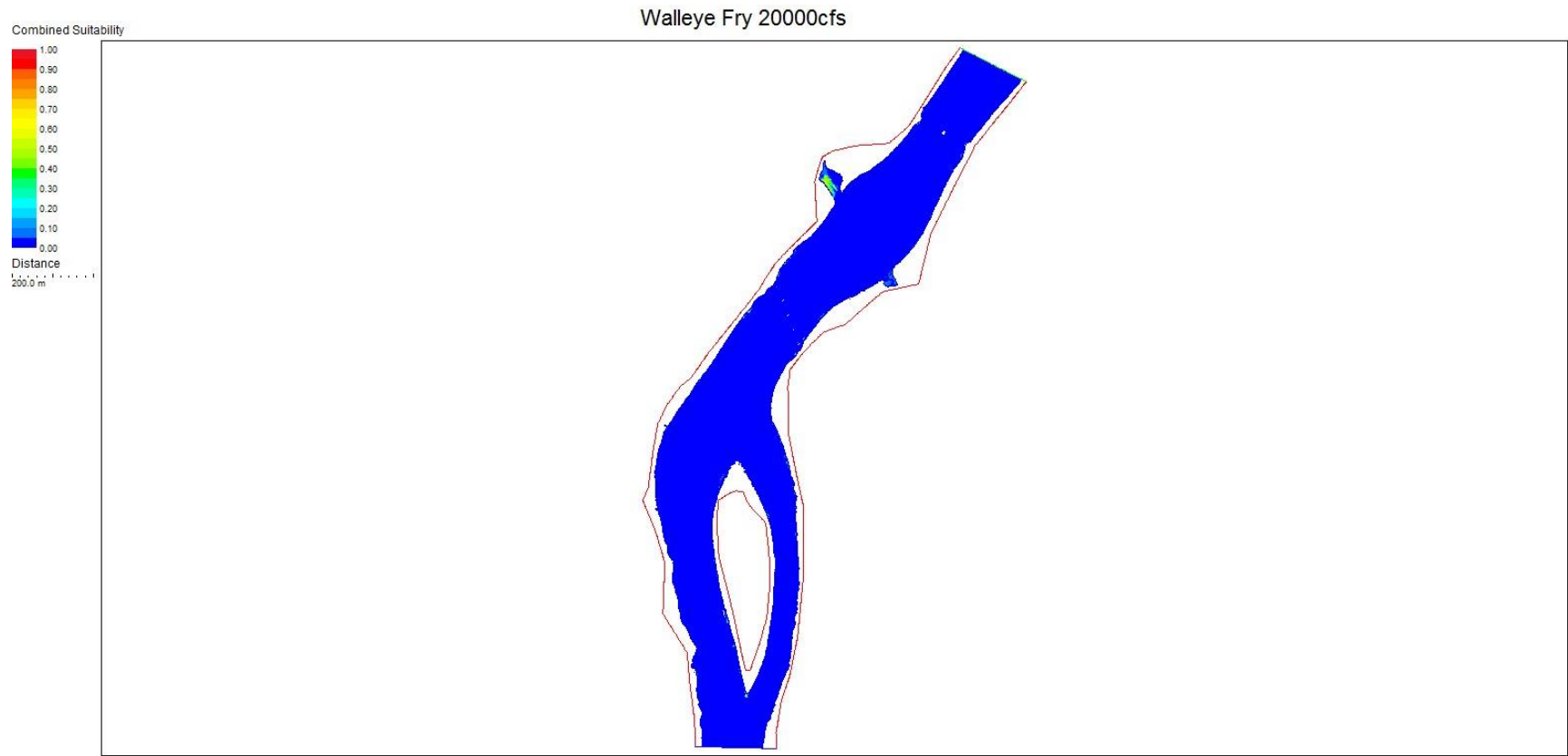
Walleye Fry 11000cfs

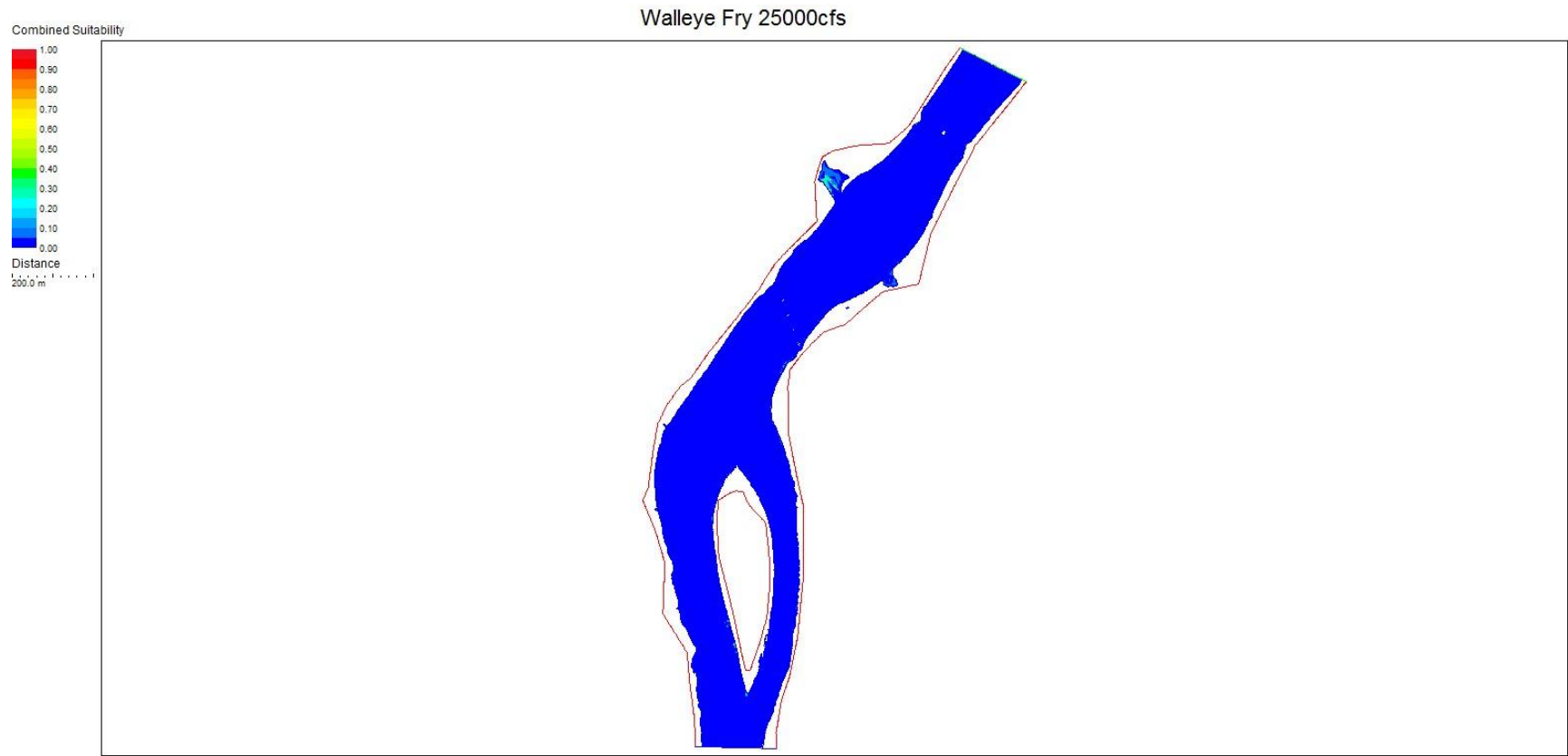


Walleye Fry 13000cfs

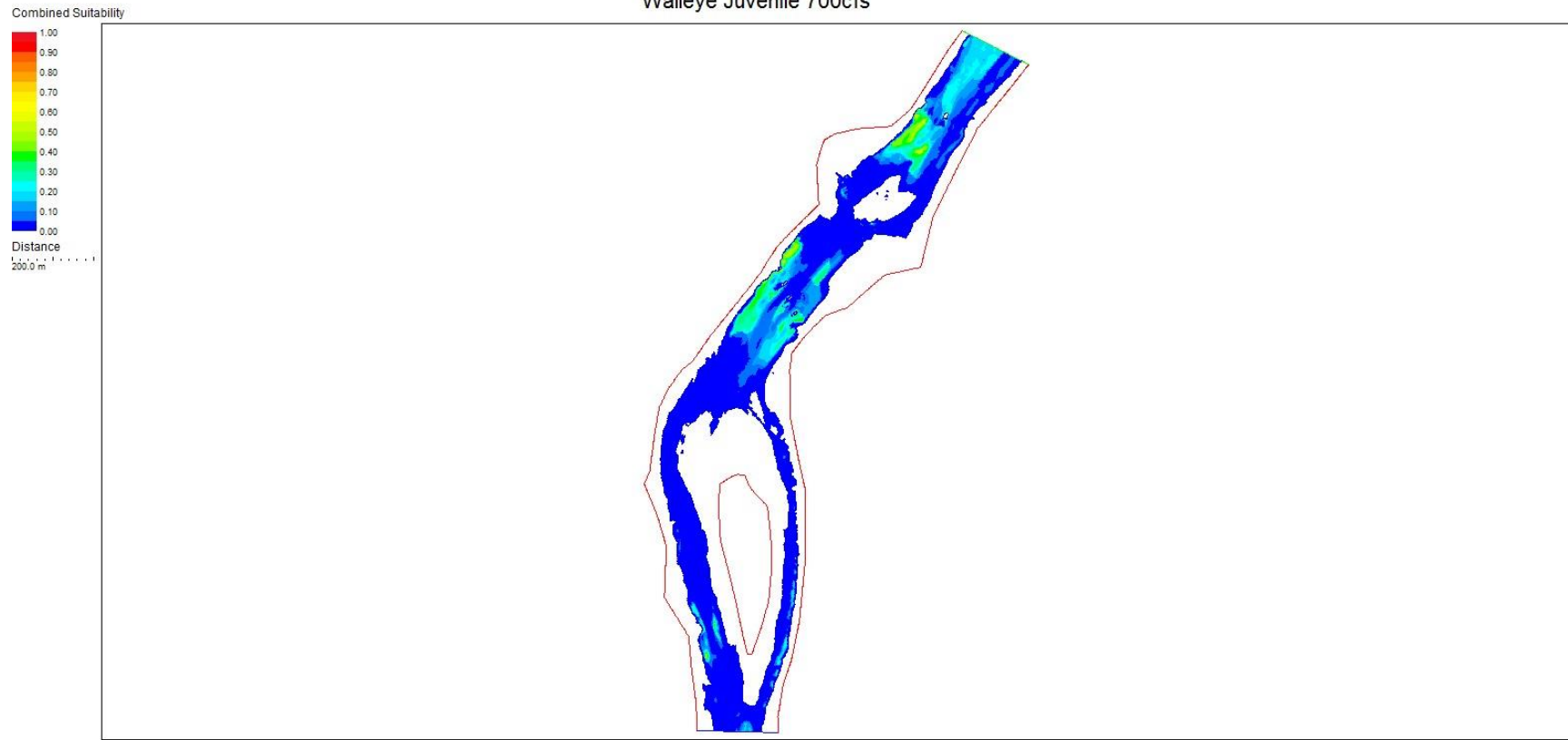




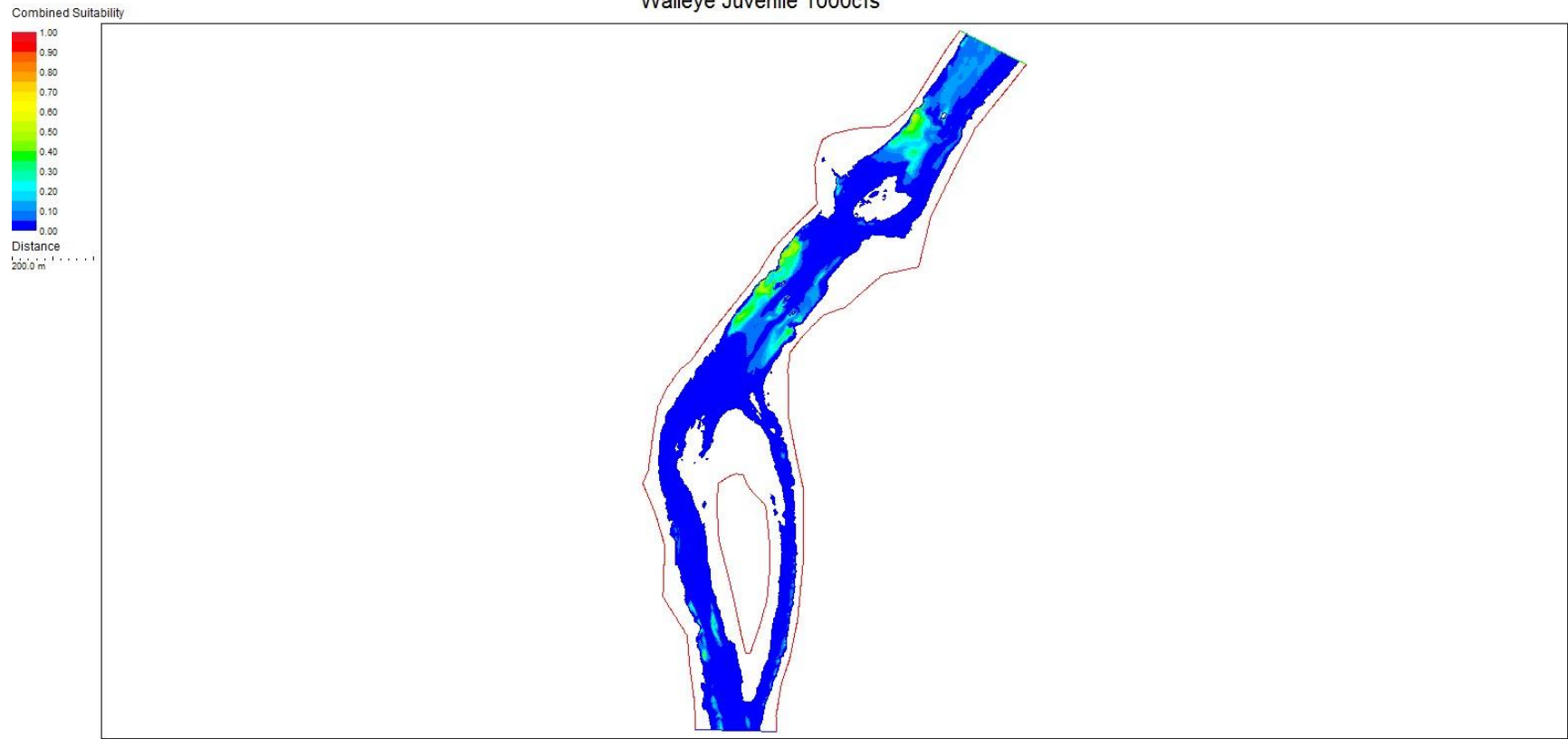


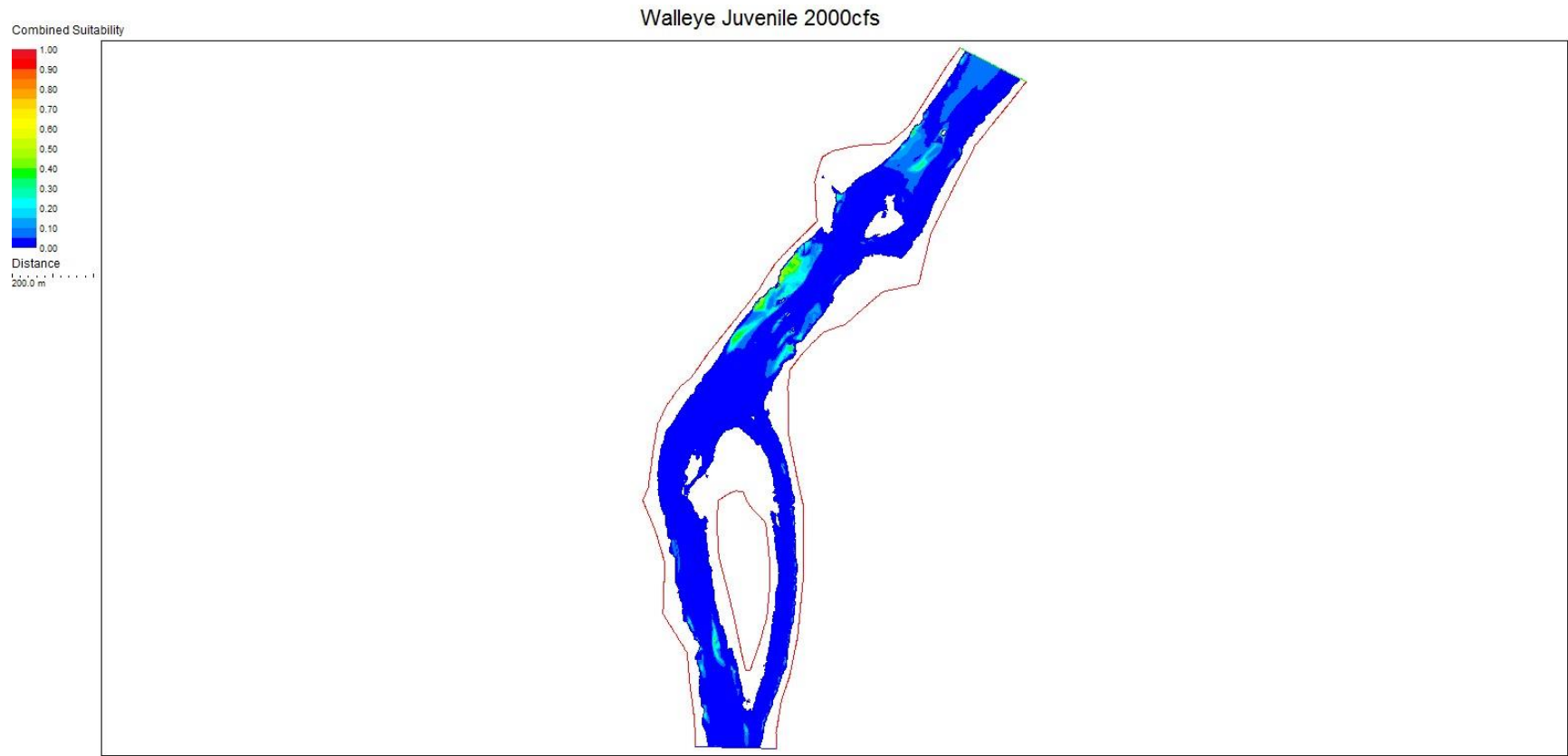


Walleye Juvenile 700cfs

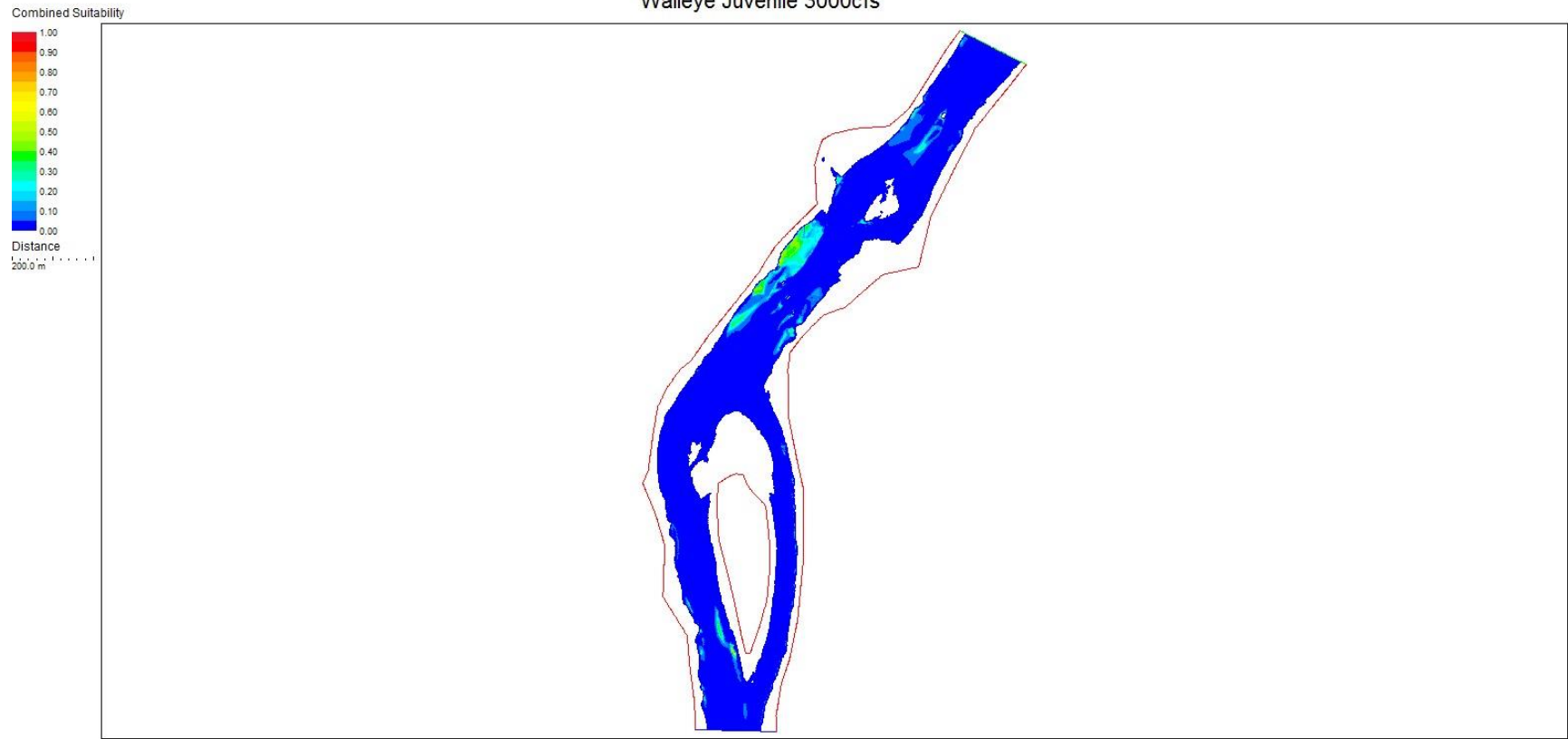


Walleye Juvenile 1000cfs

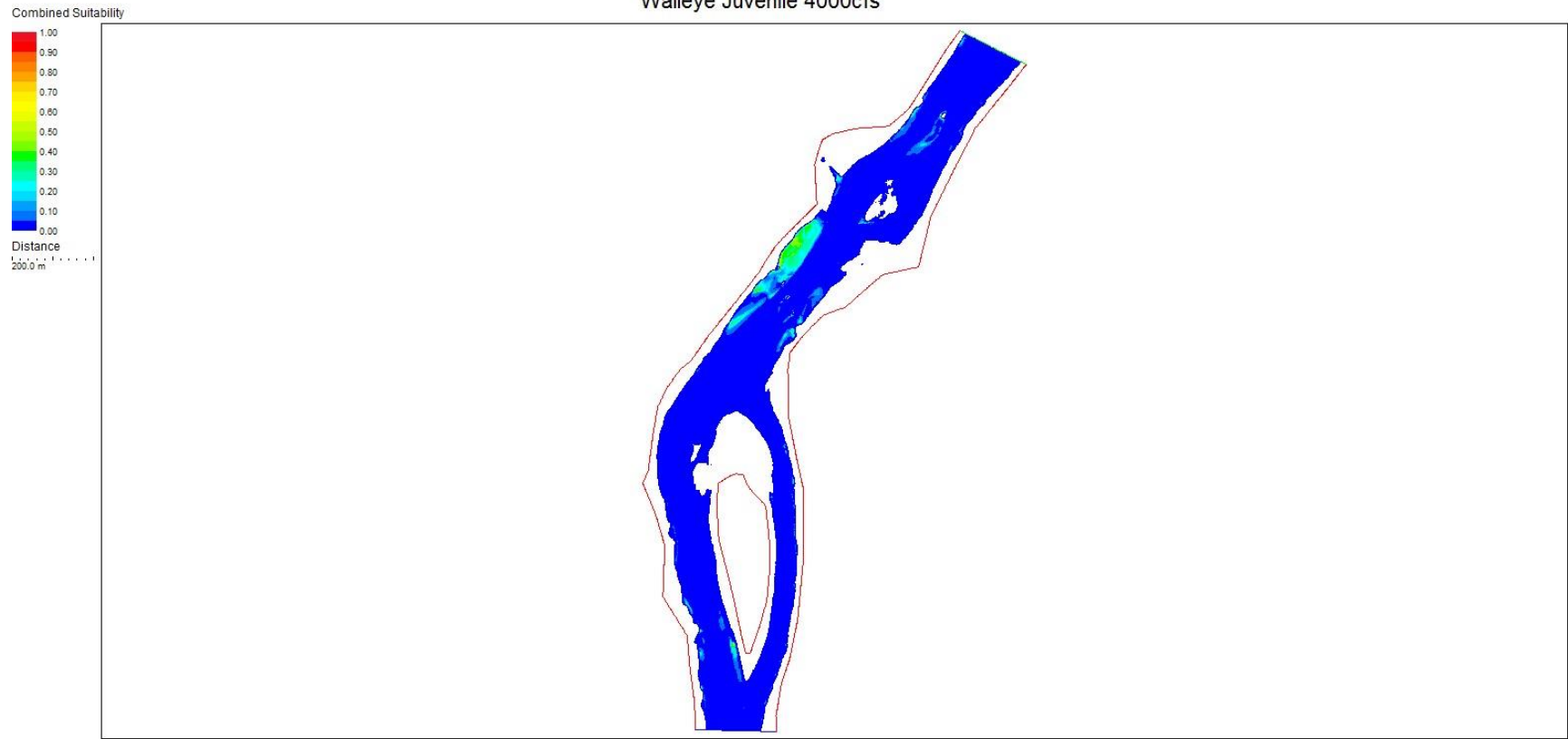




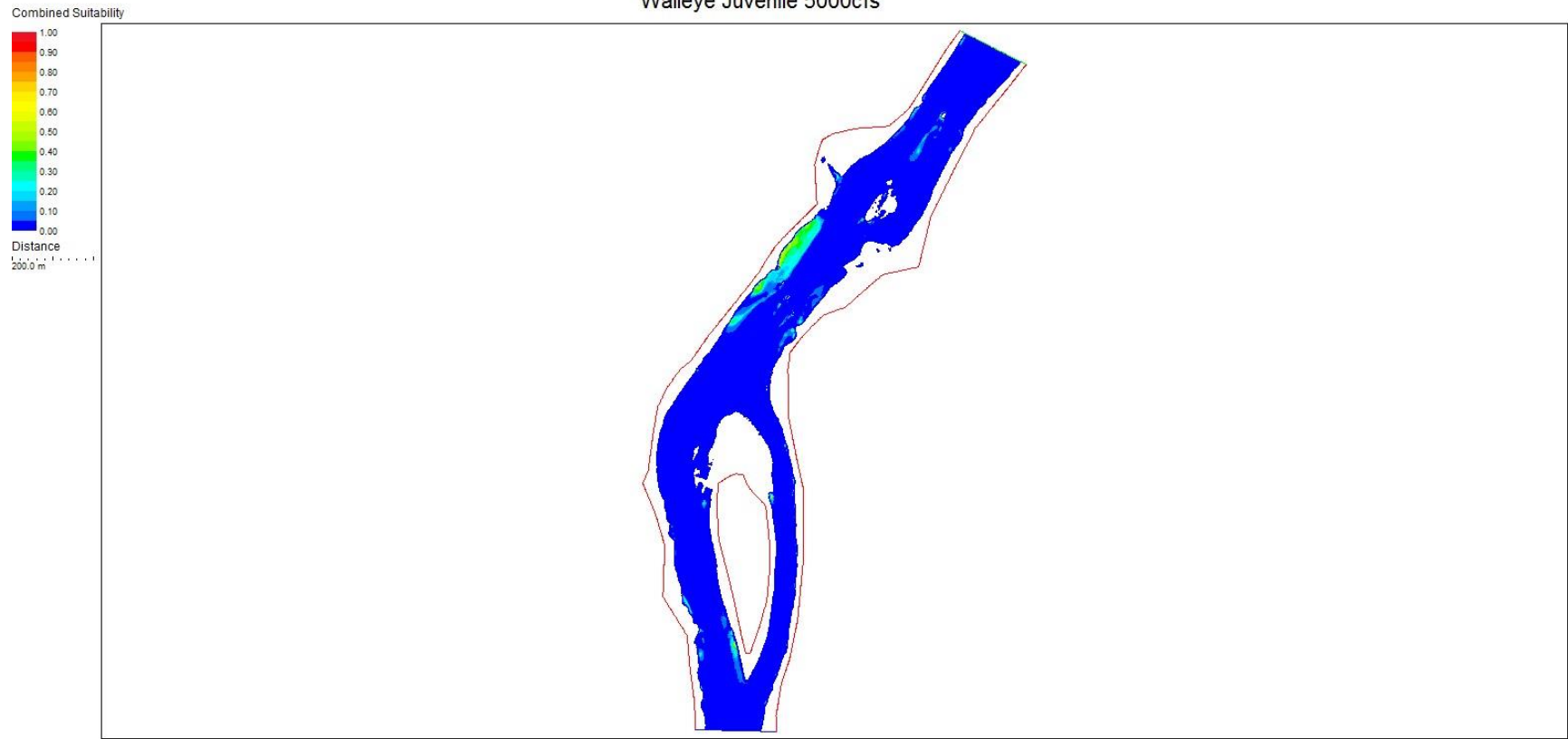
Walleye Juvenile 3000cfs

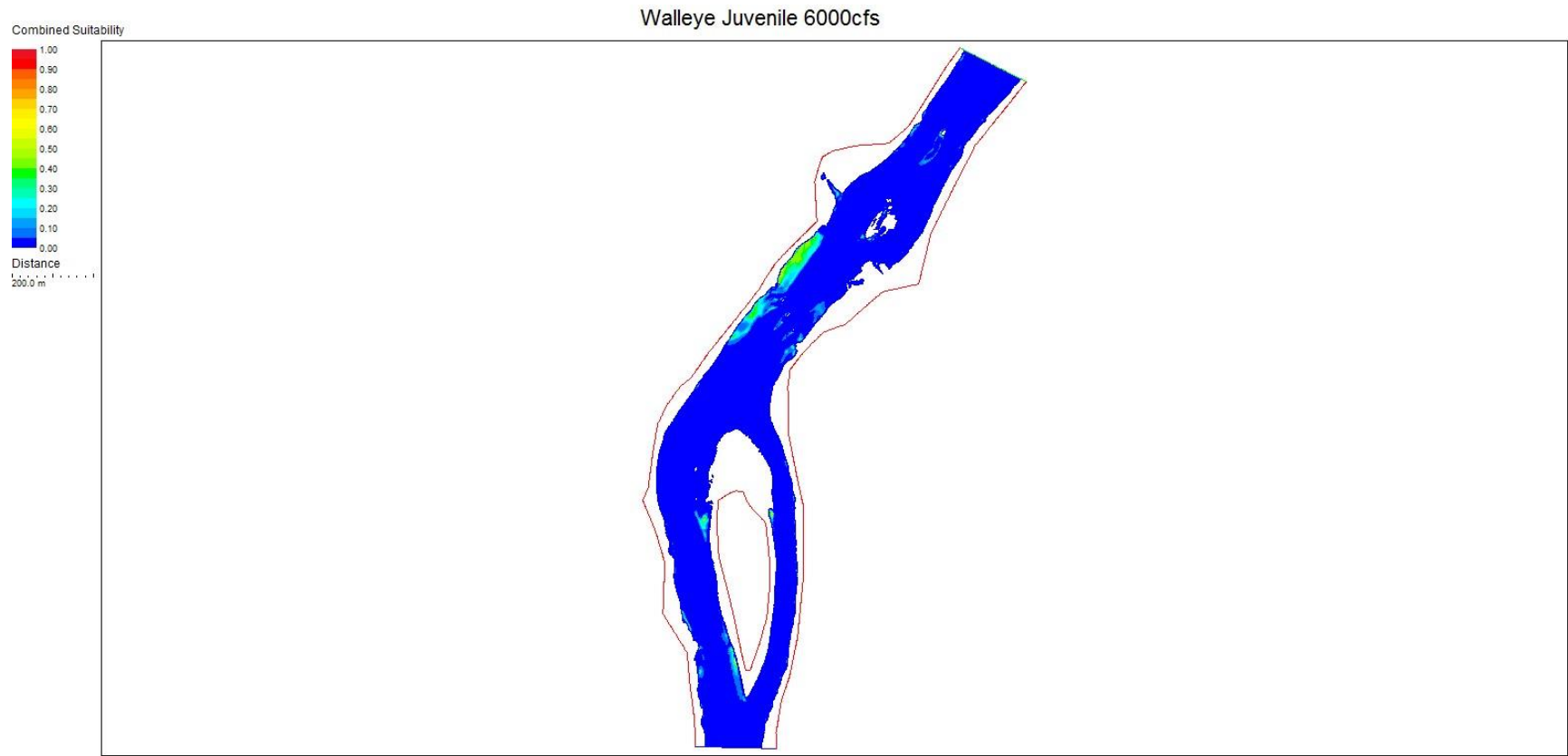


Walleye Juvenile 4000cfs

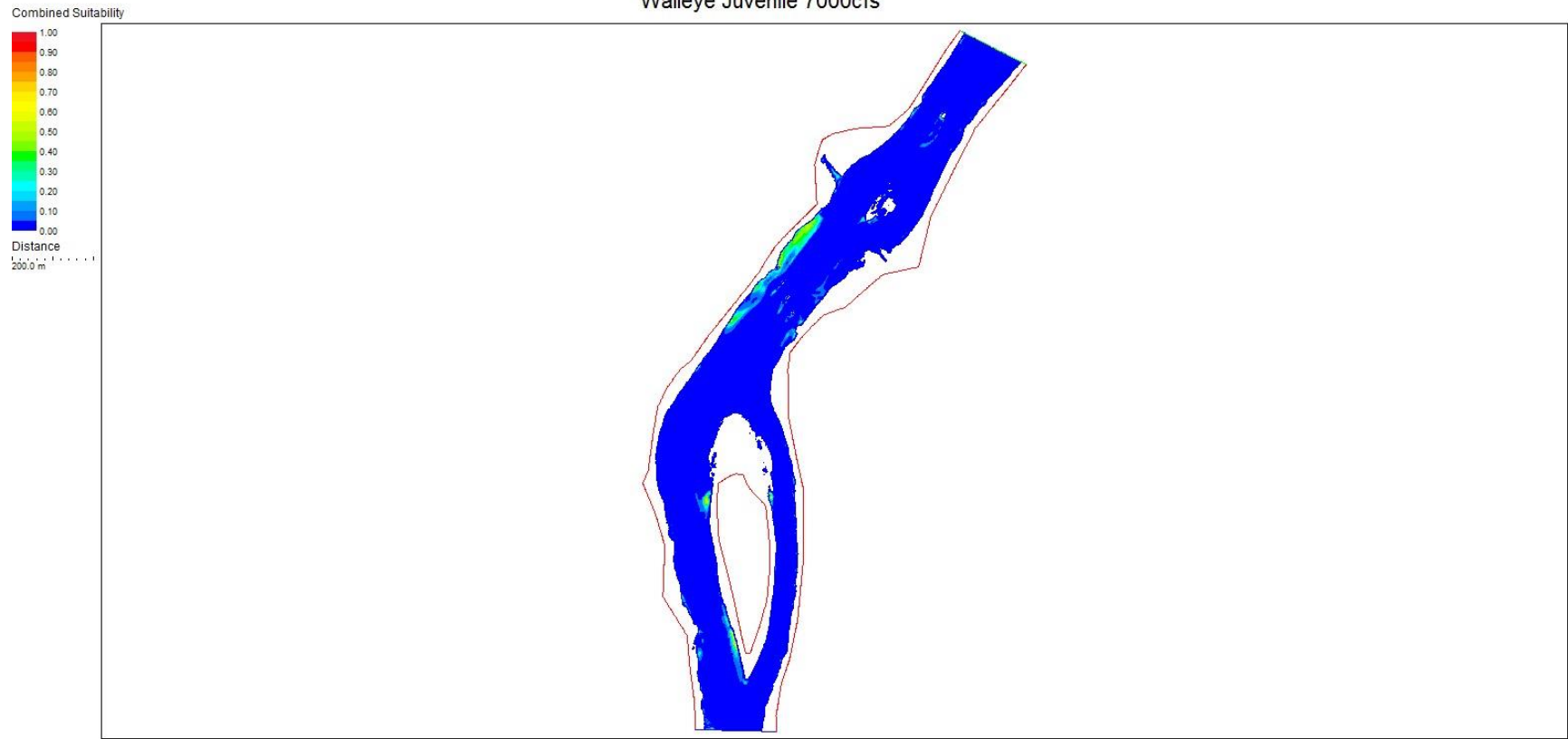


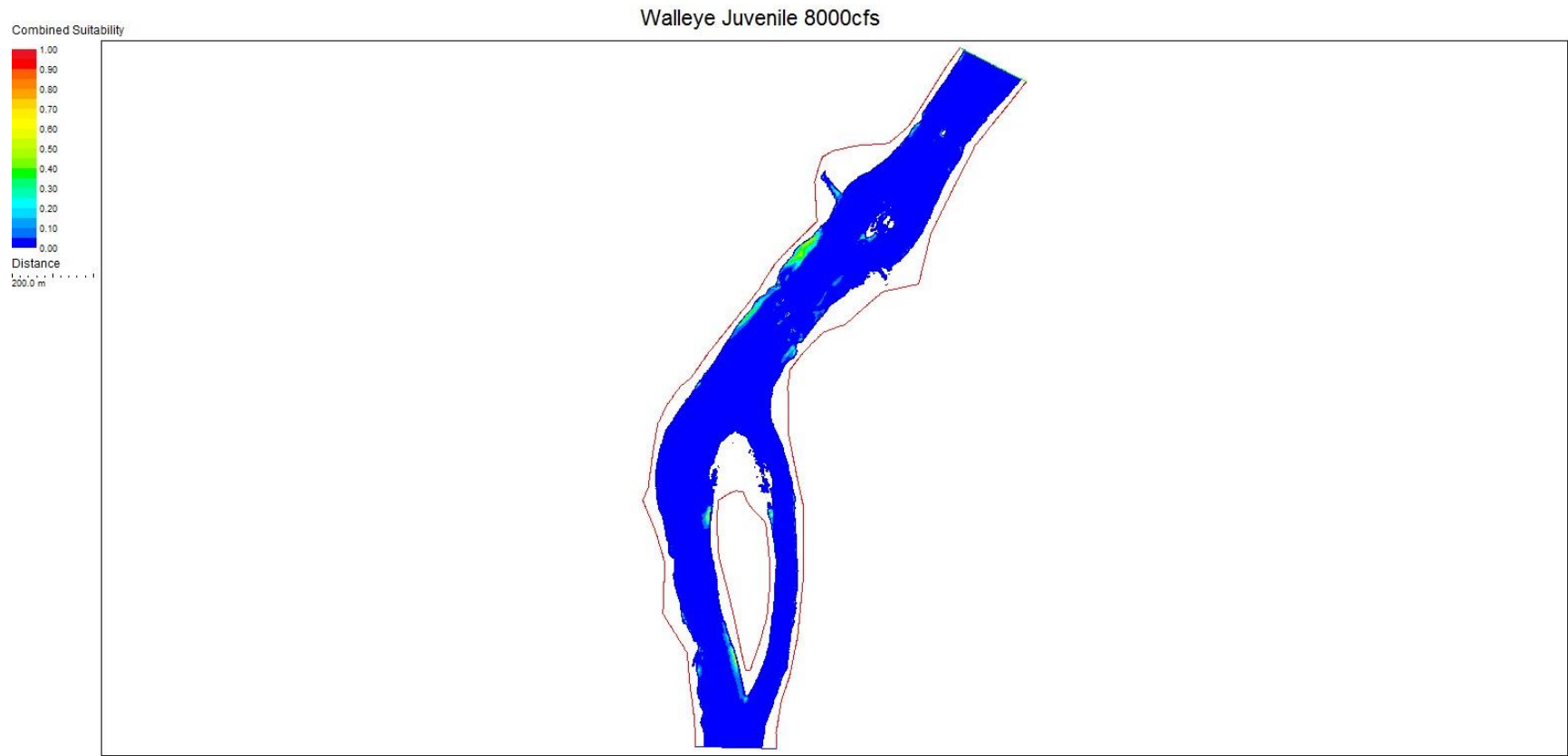
Walleye Juvenile 5000cfs



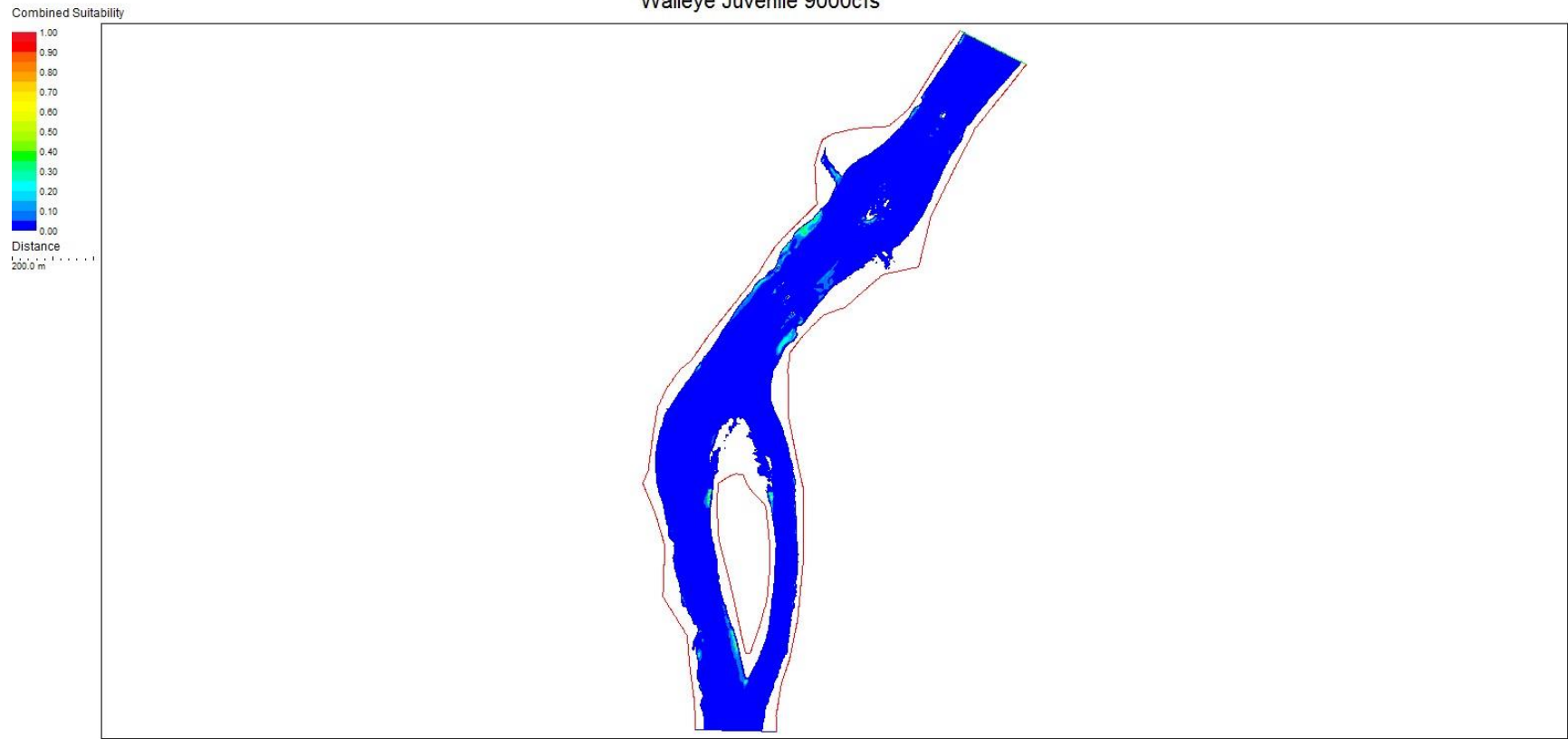


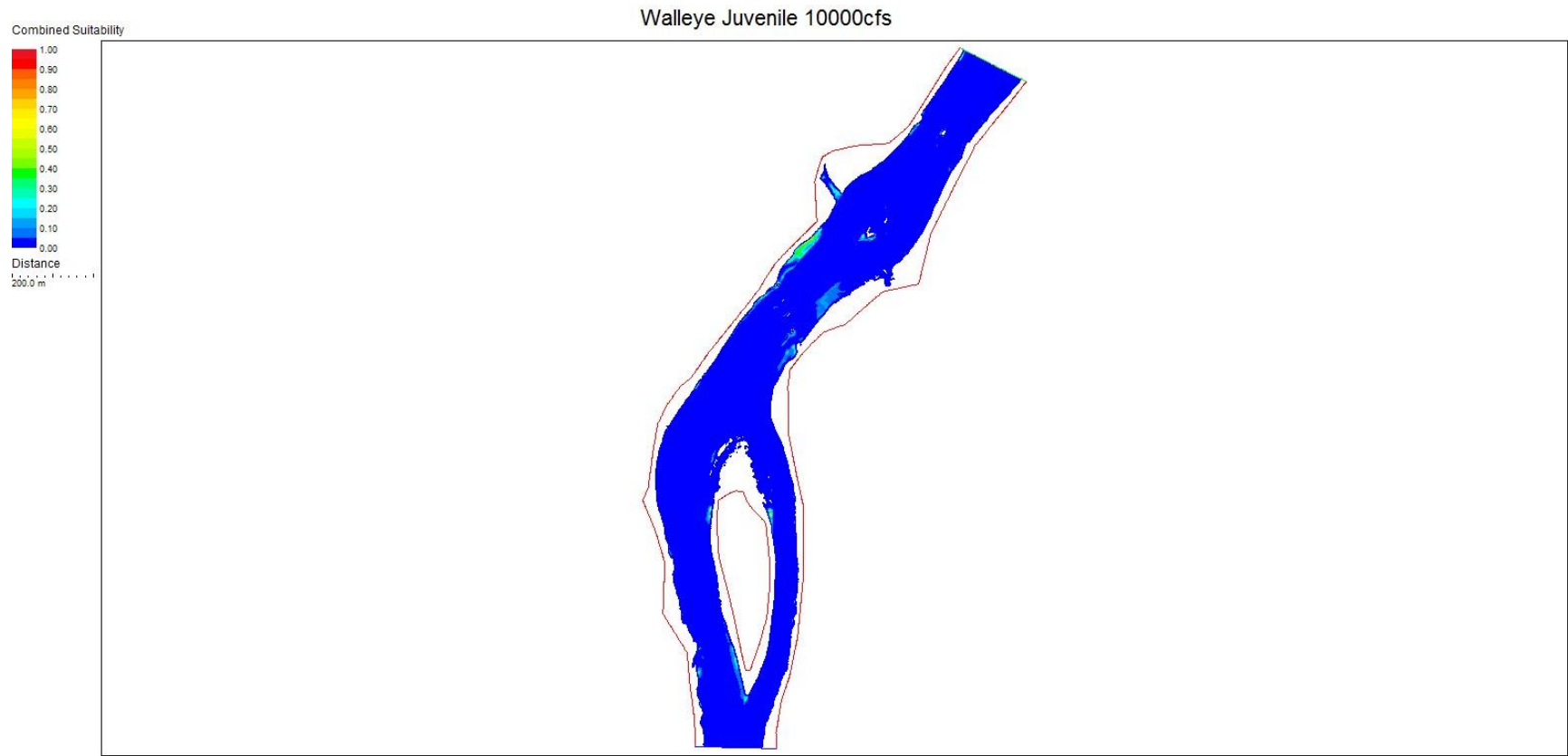
Walleye Juvenile 7000cfs



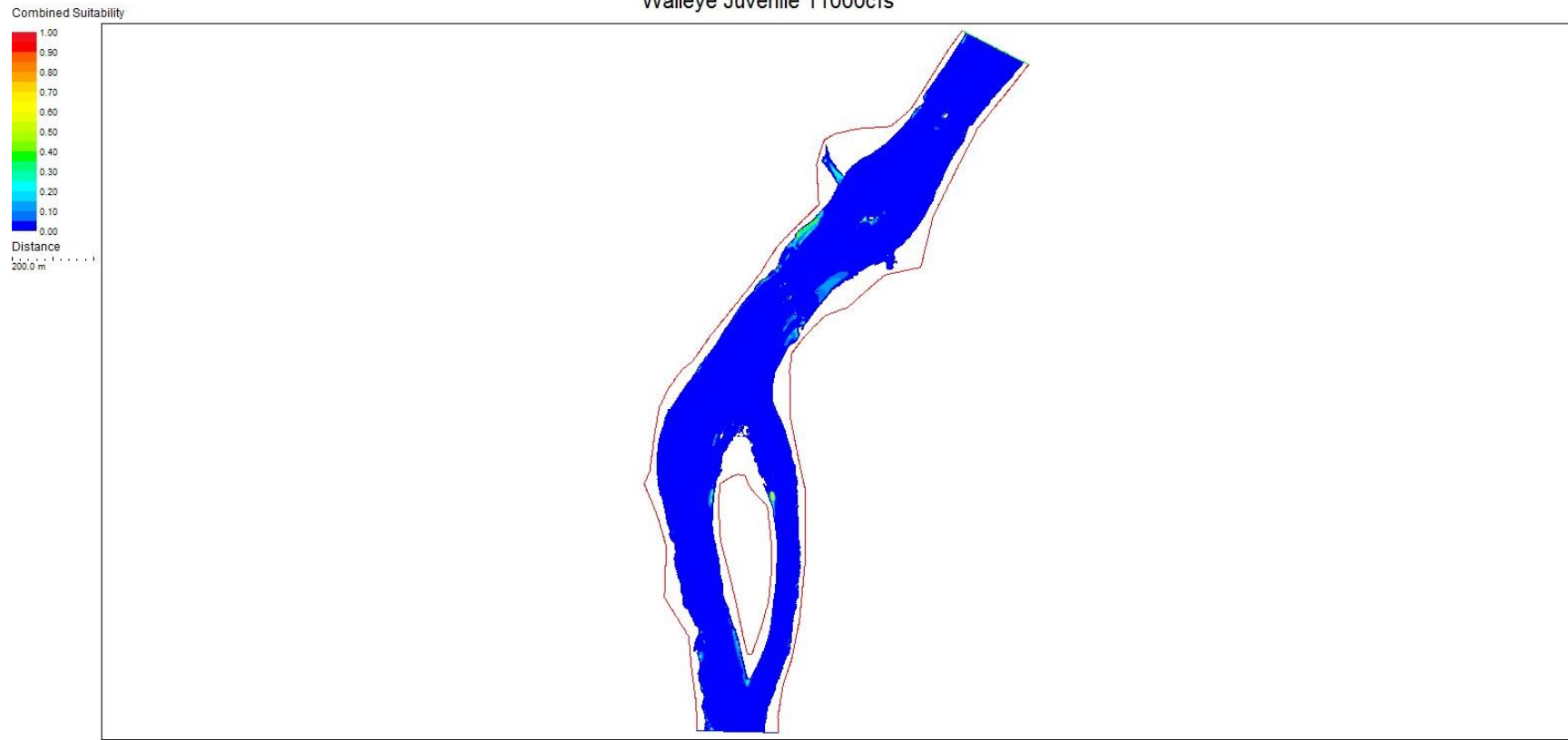


Walleye Juvenile 9000cfs

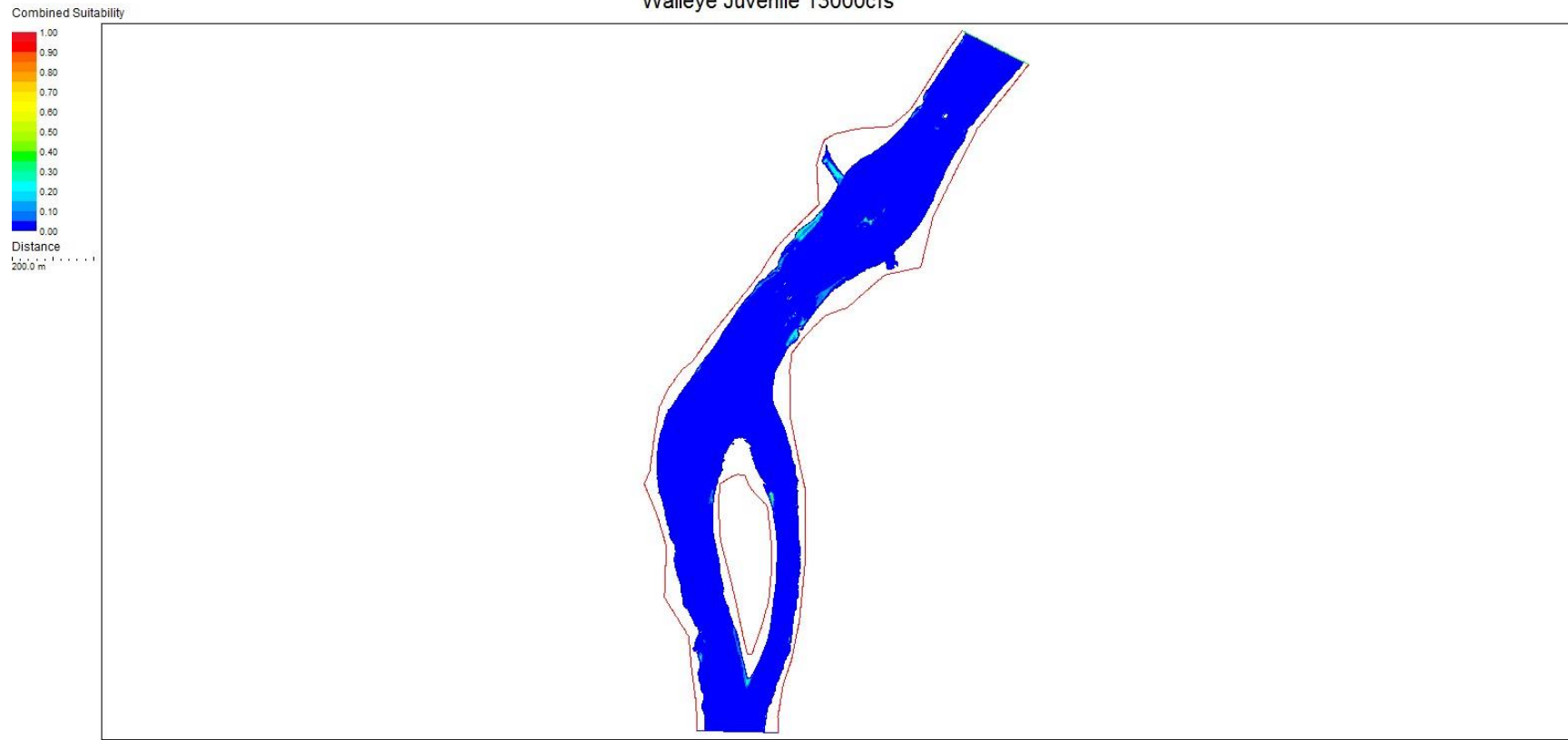


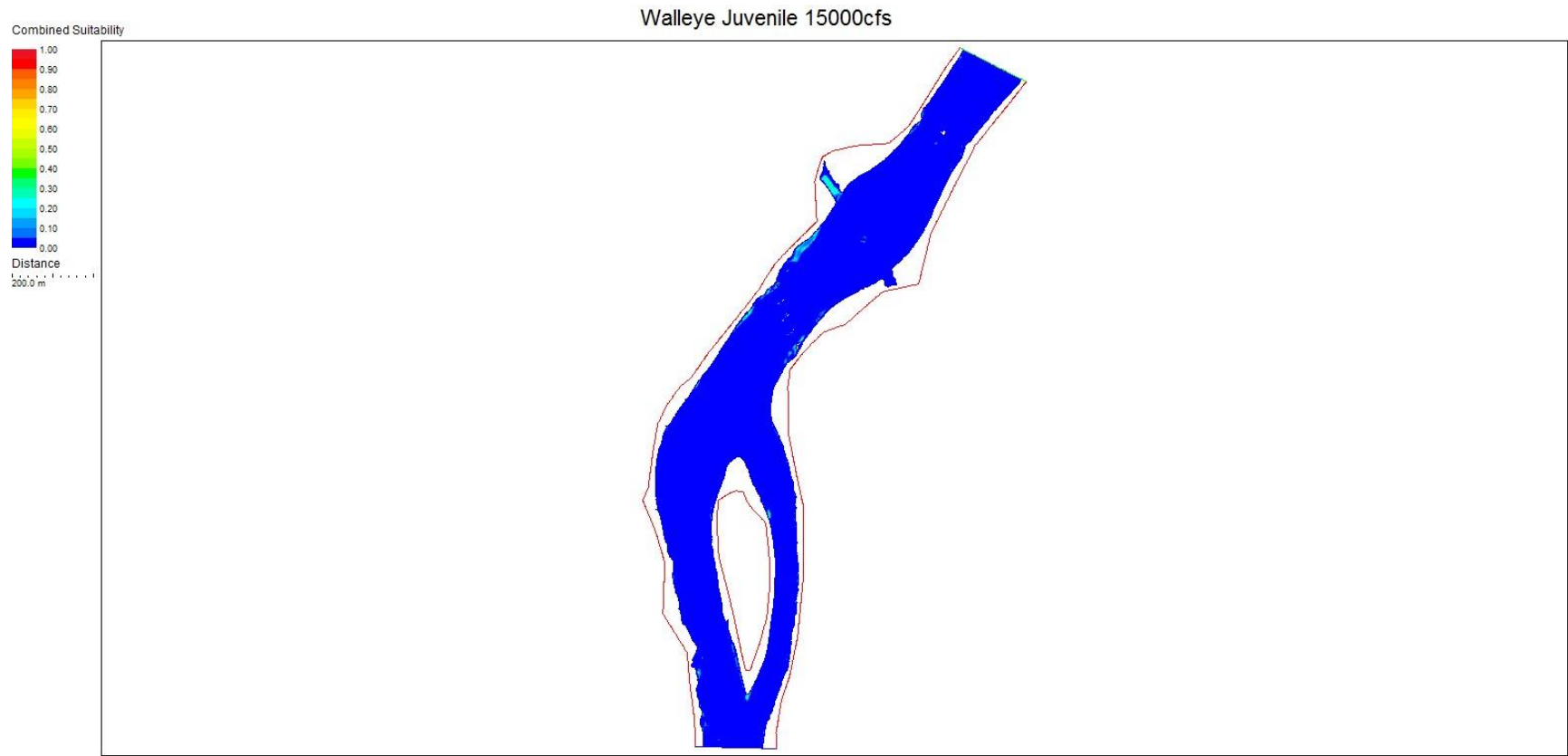


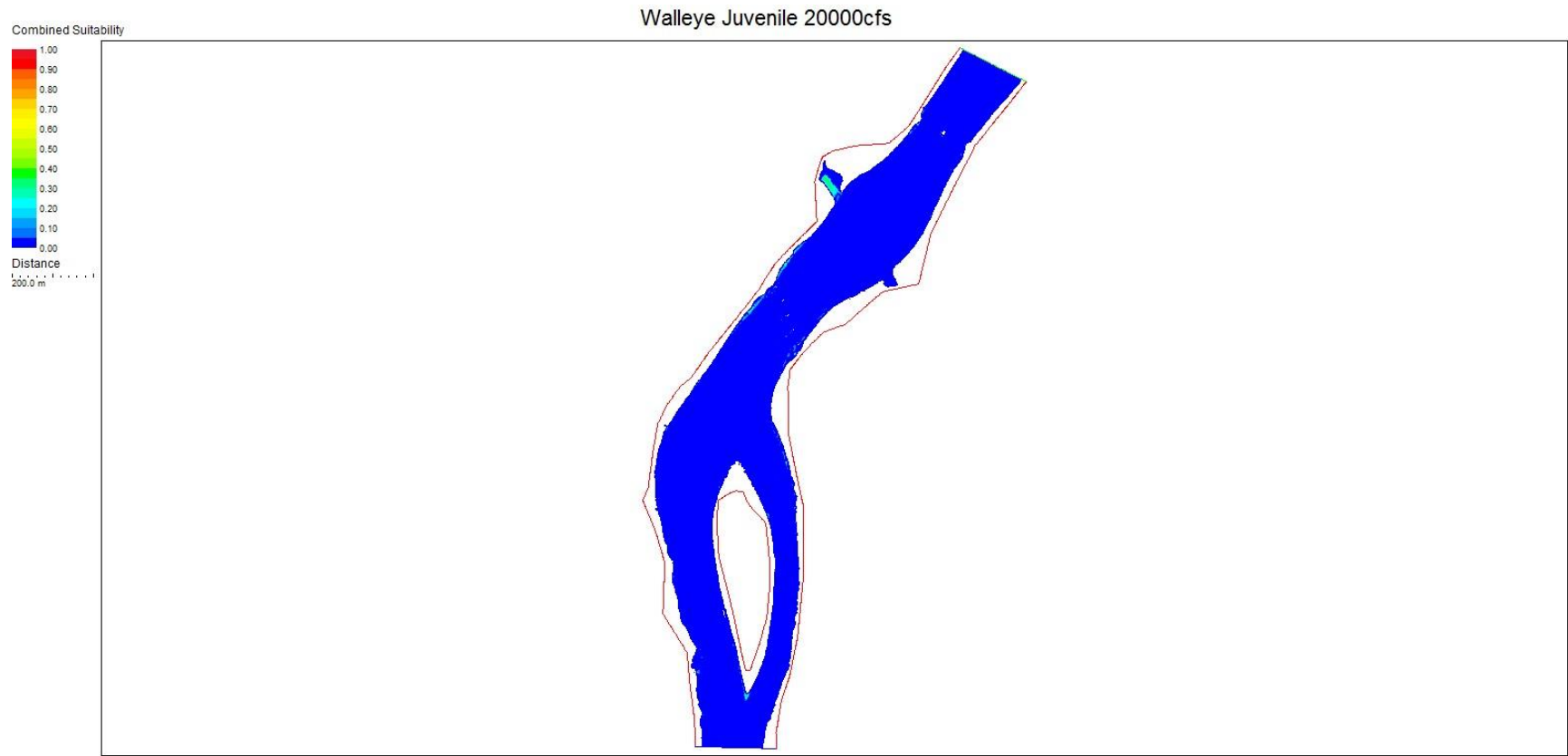
Walleye Juvenile 11000cfs

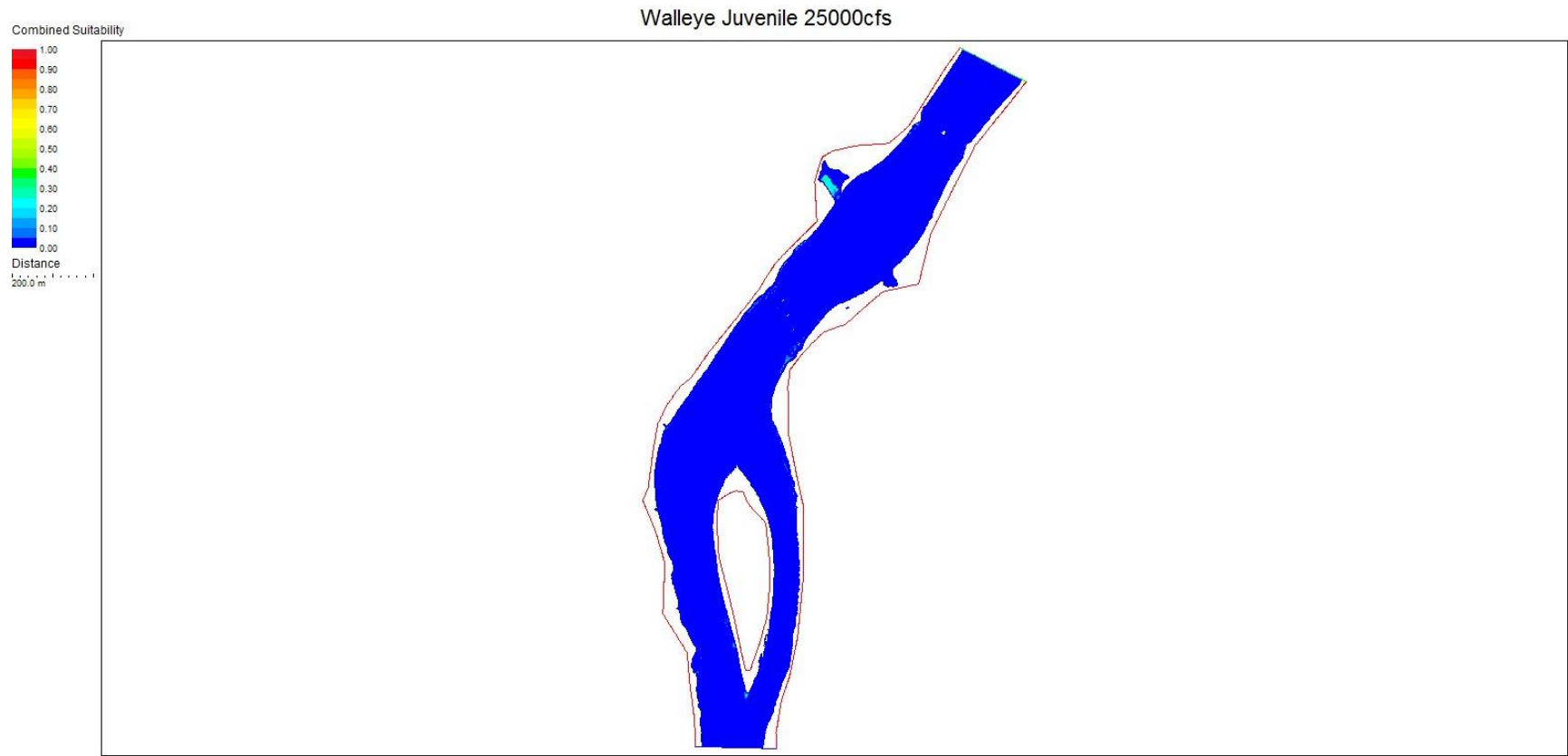


Walleye Juvenile 13000cfs

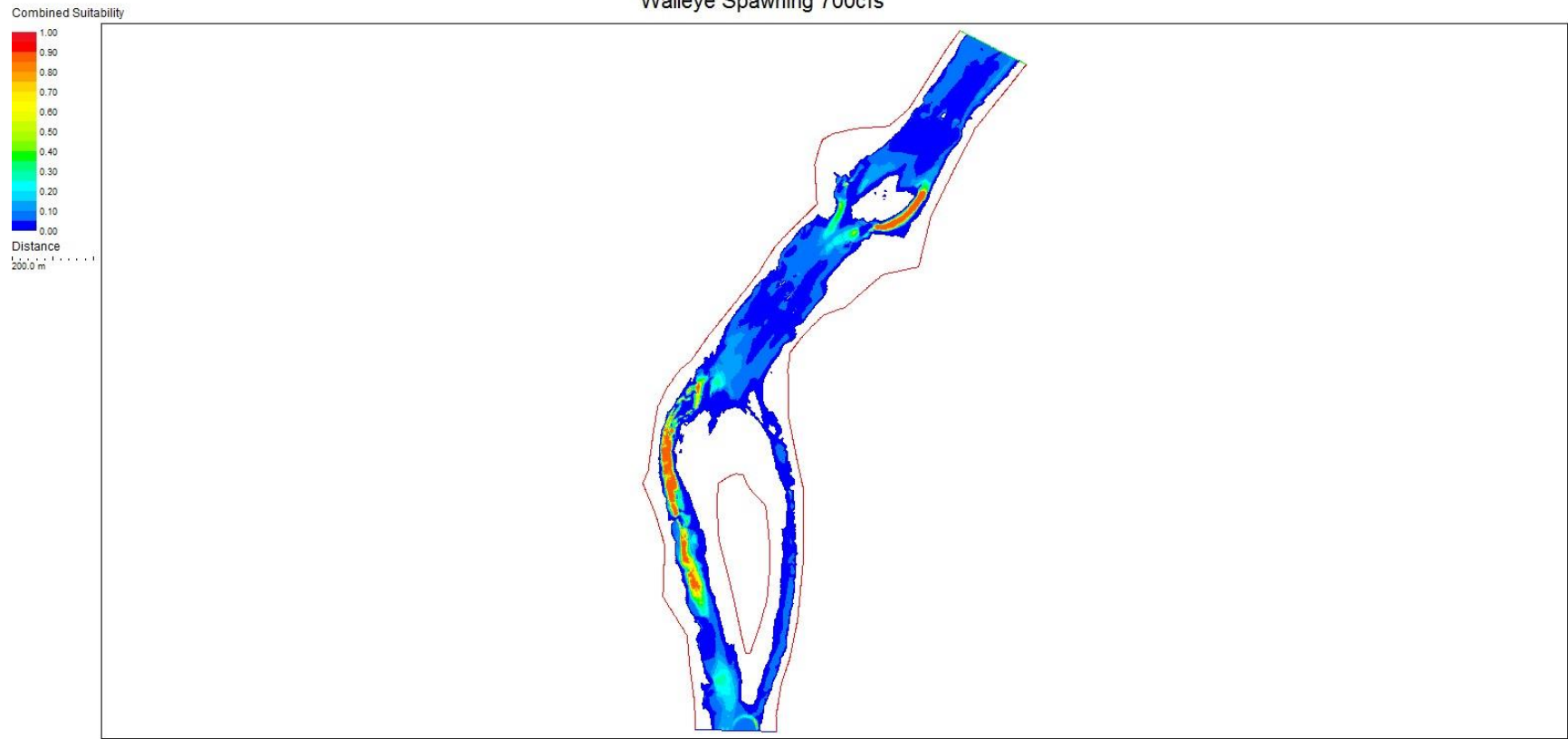




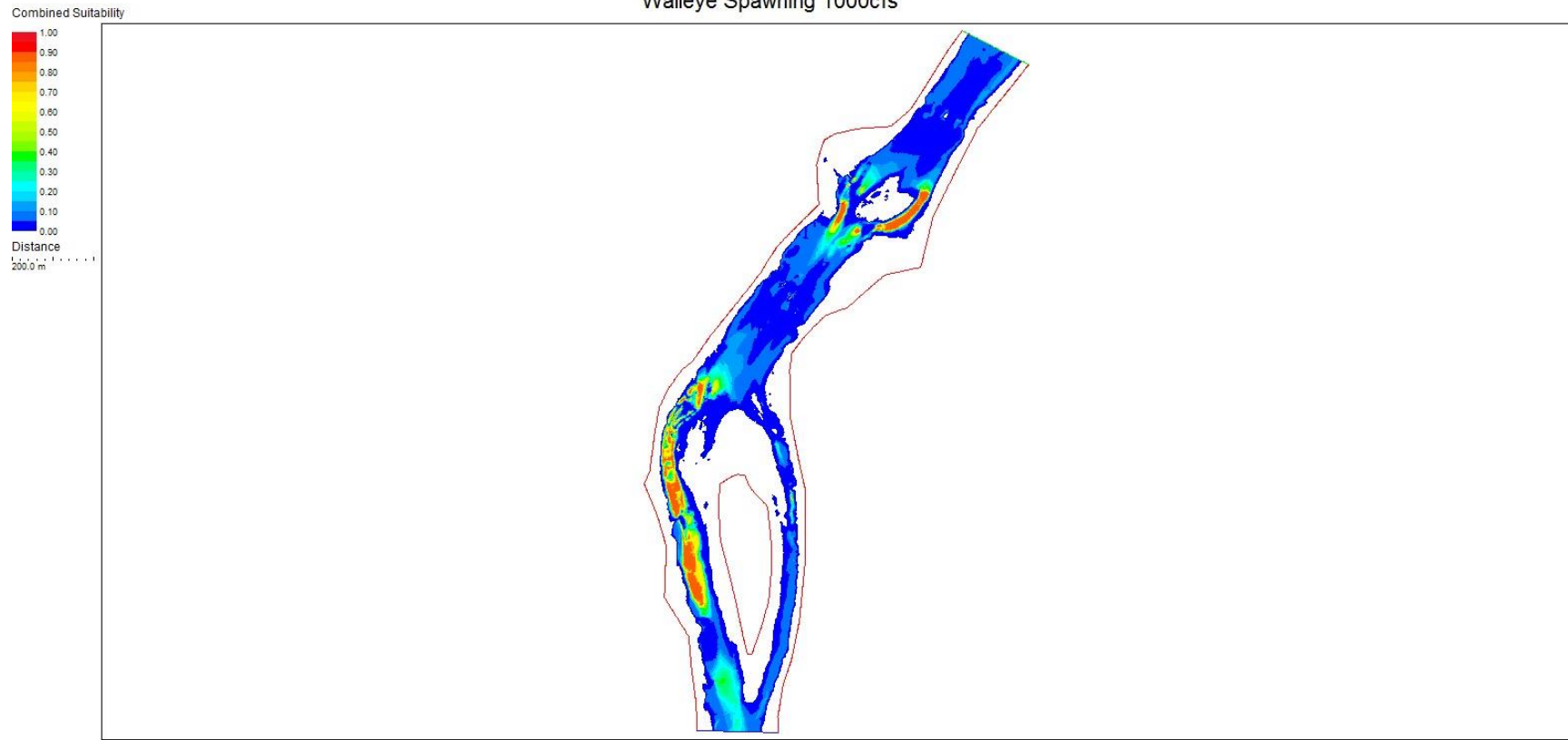




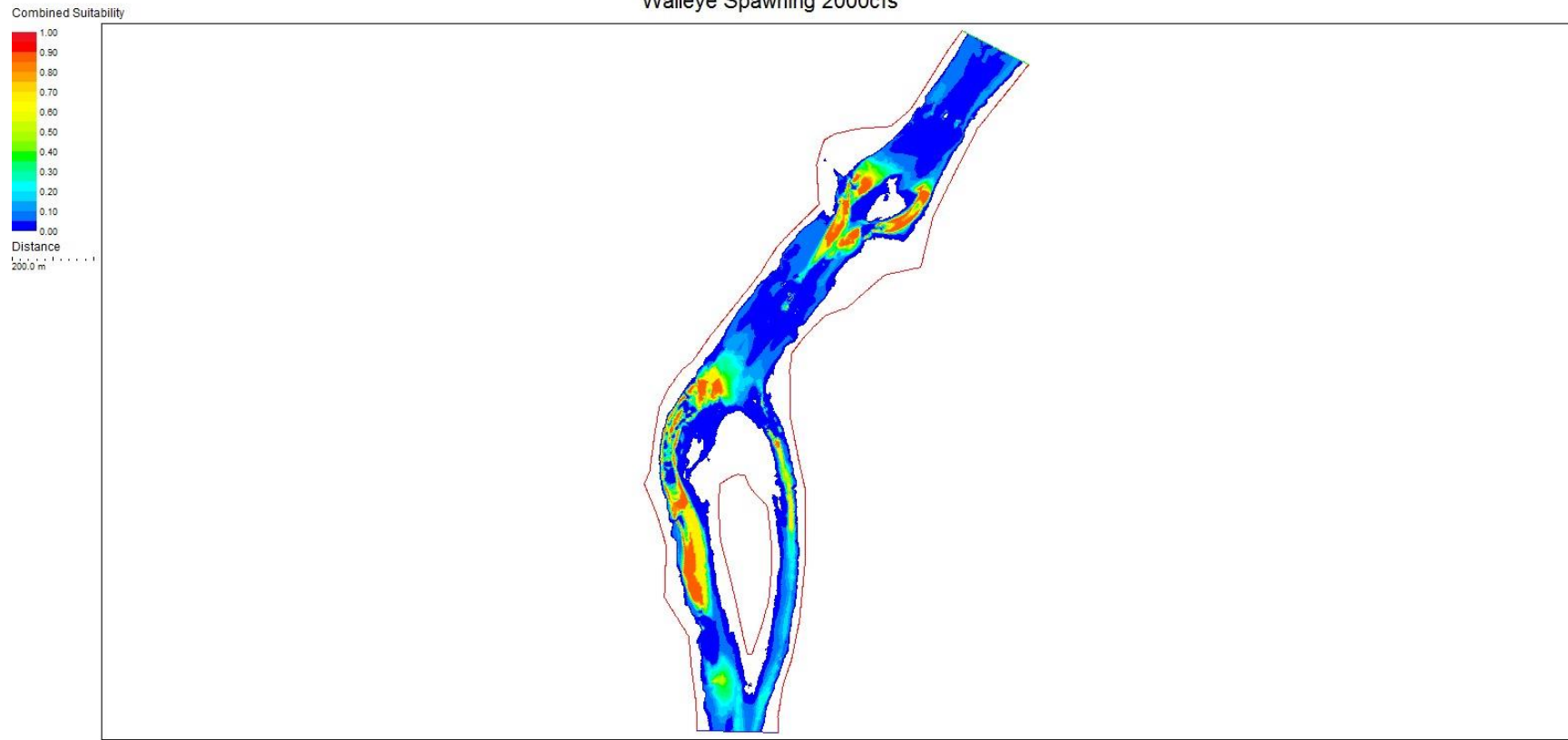
Walleye Spawning 700cfs

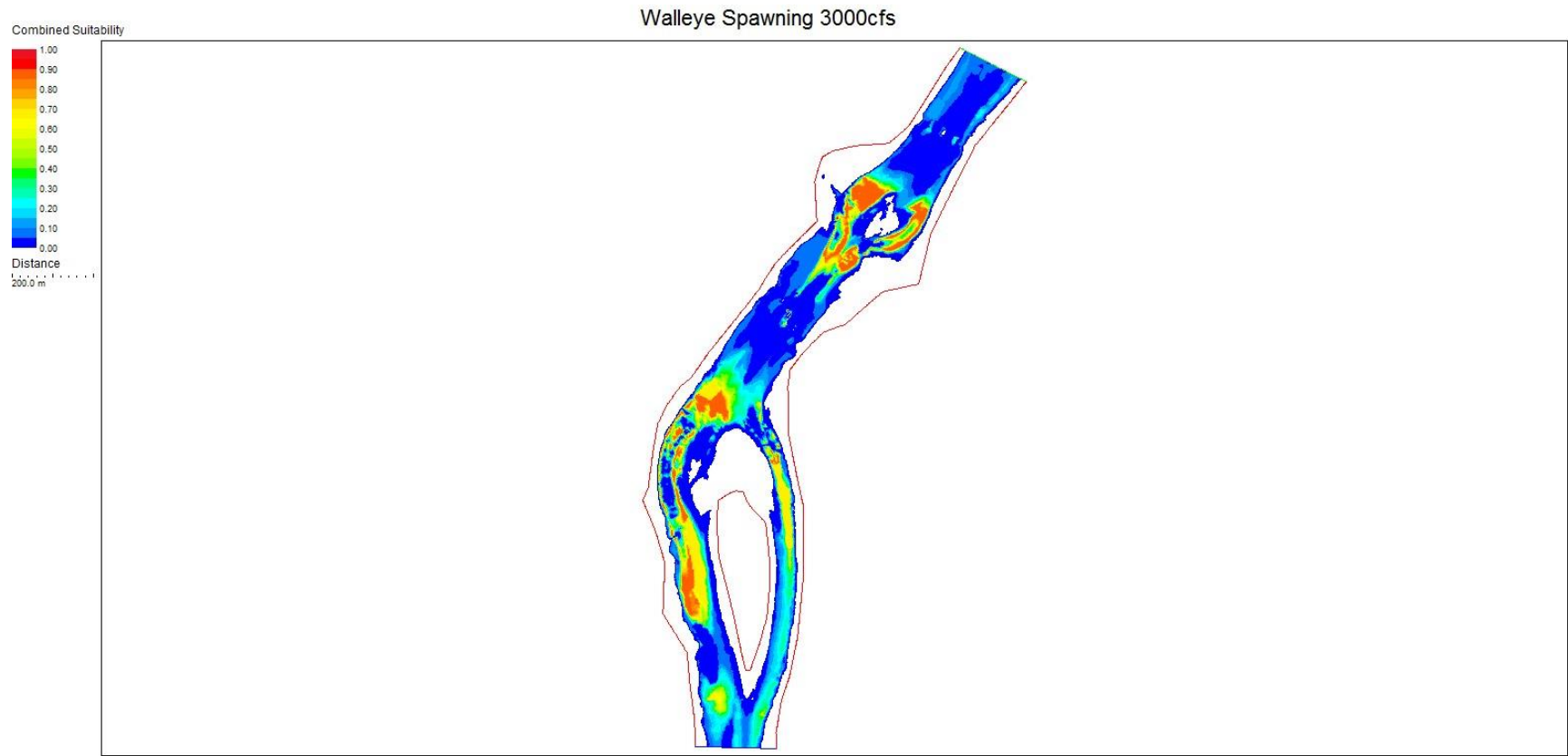


Walleye Spawning 1000cfs

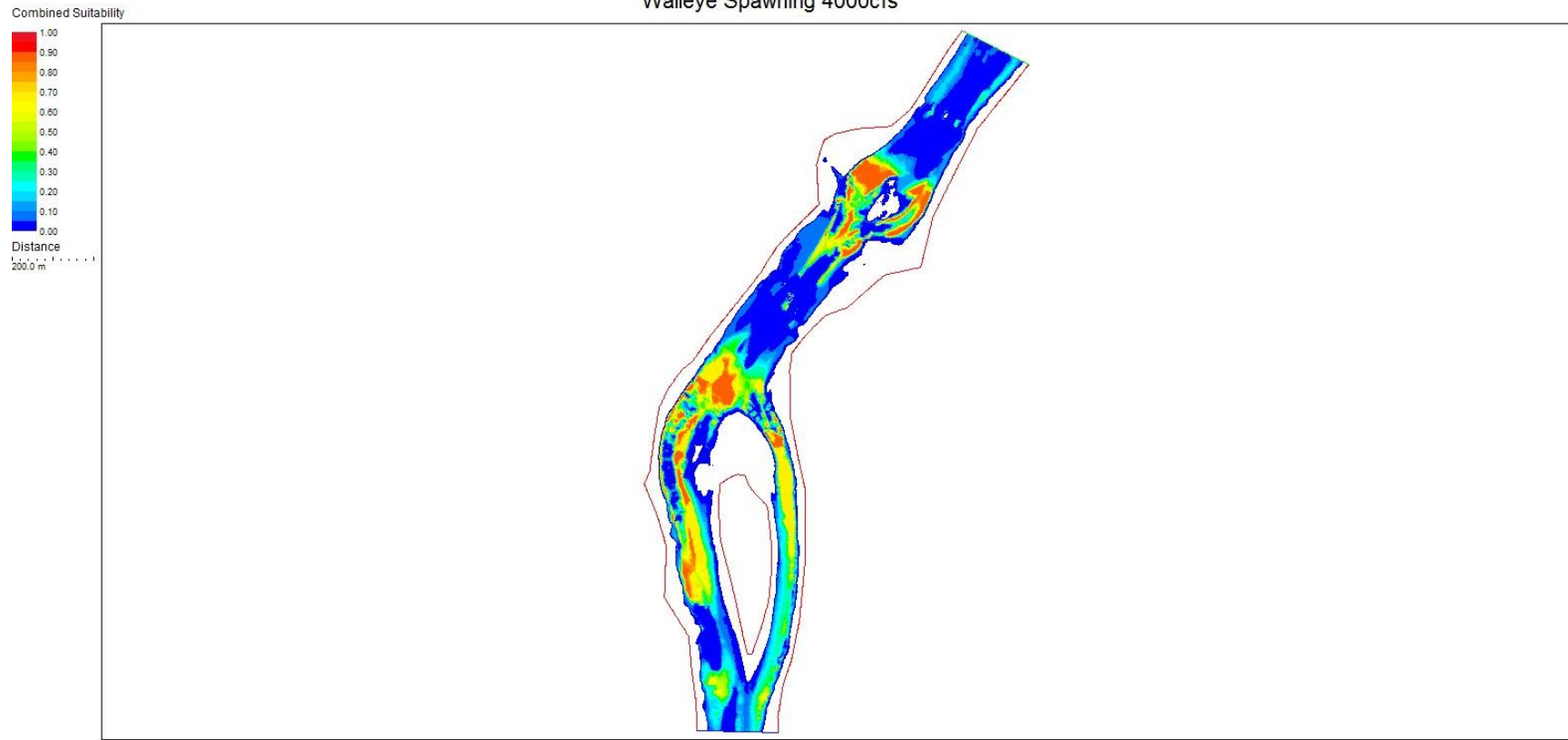


Walleye Spawning 2000cfs

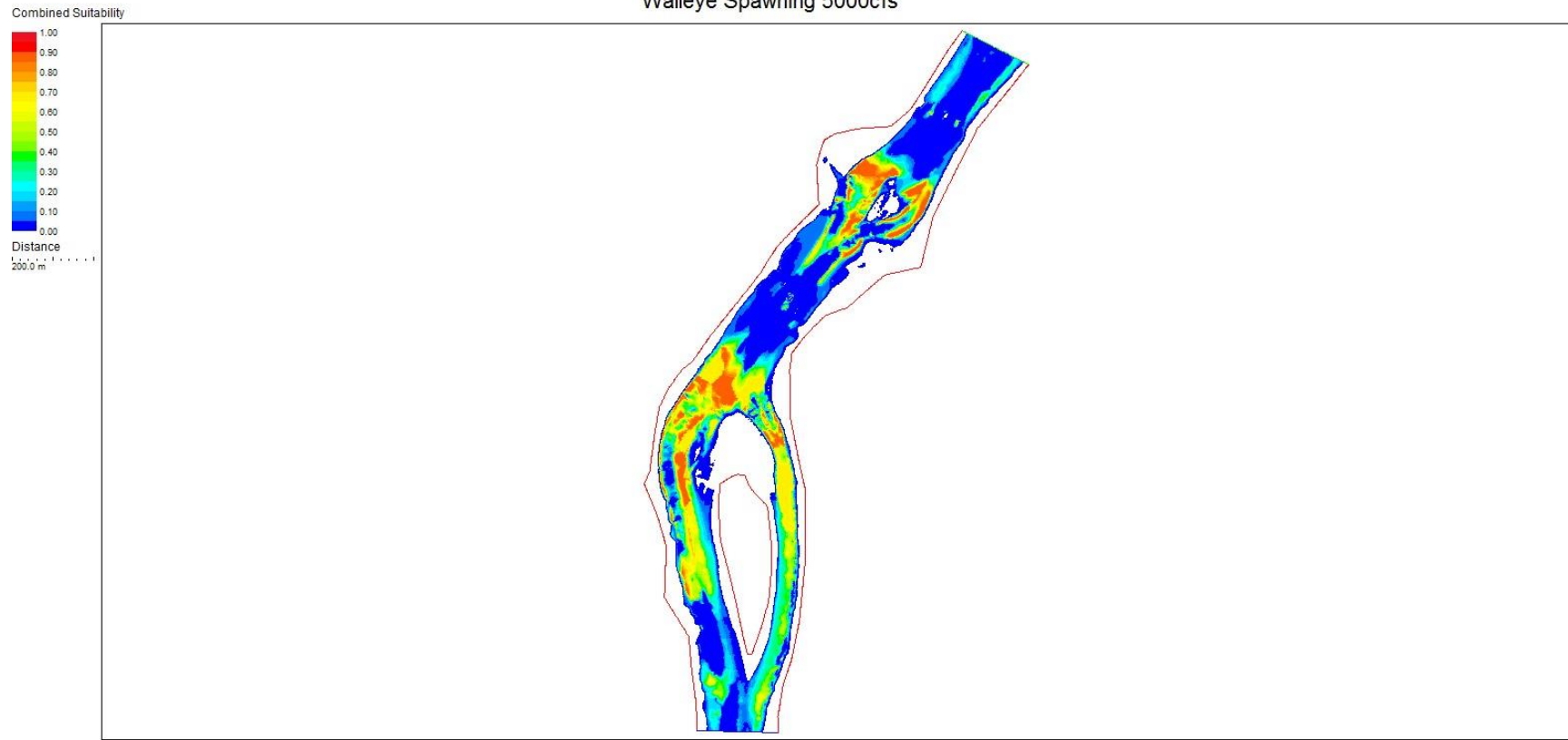




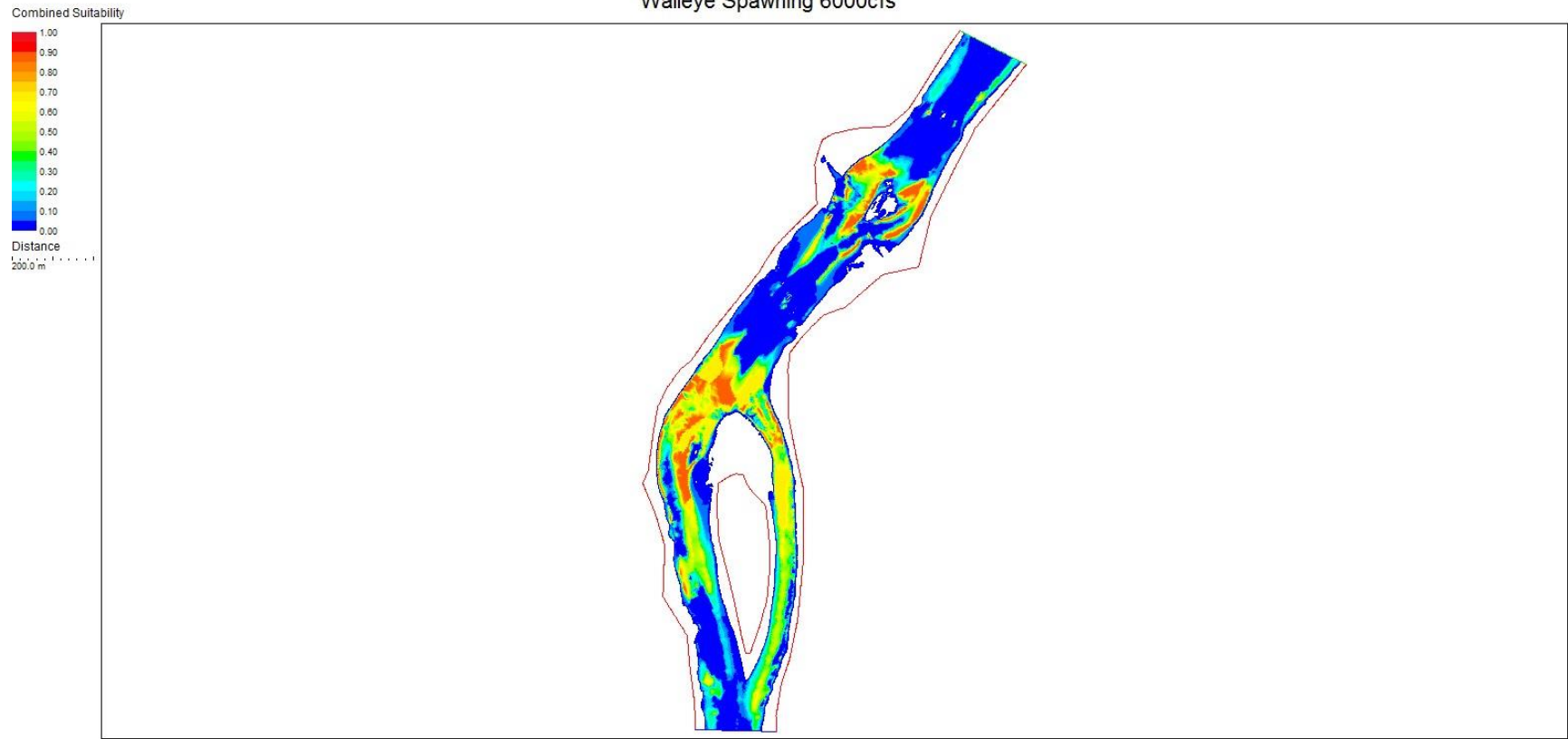
Walleye Spawning 4000cfs



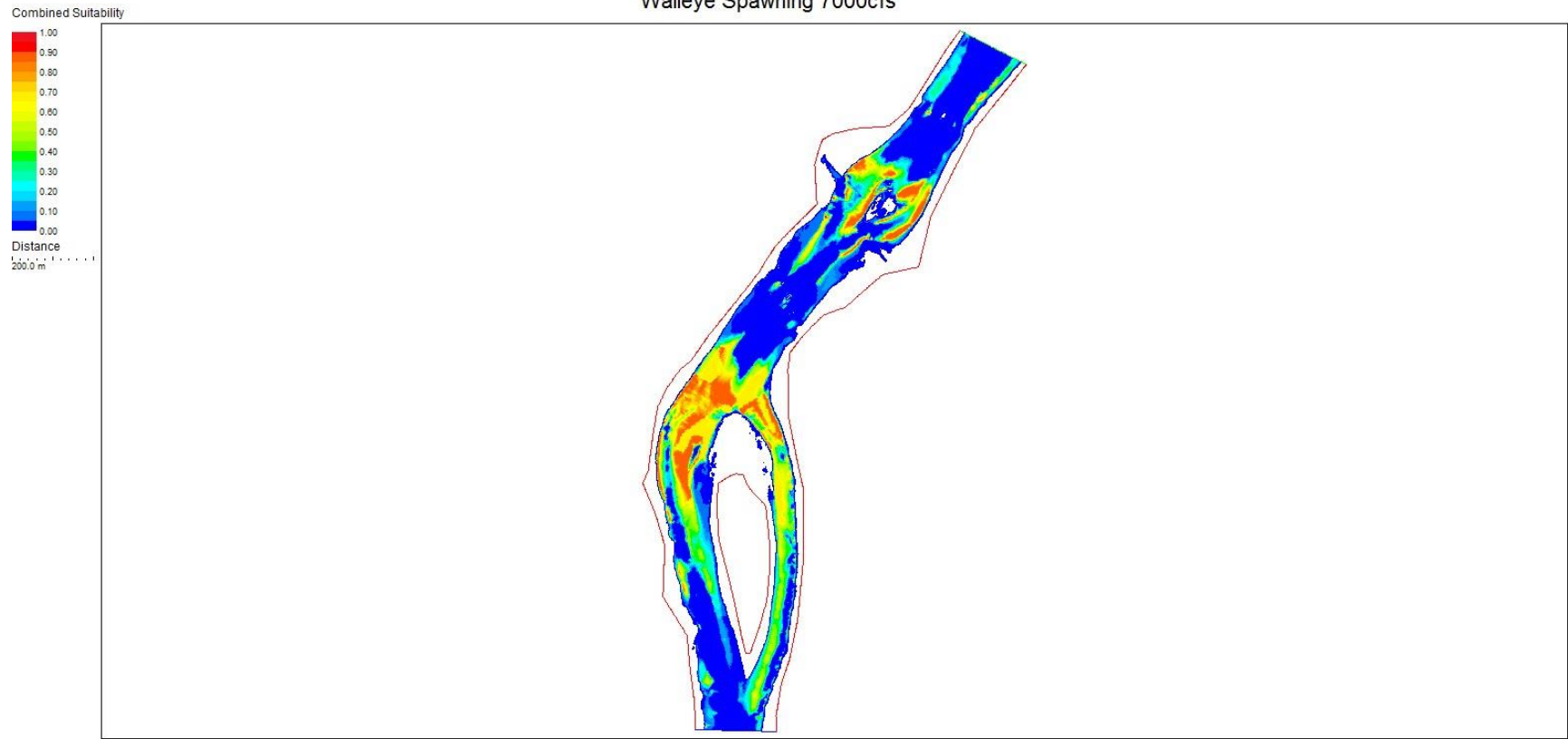
Walleye Spawning 5000cfs

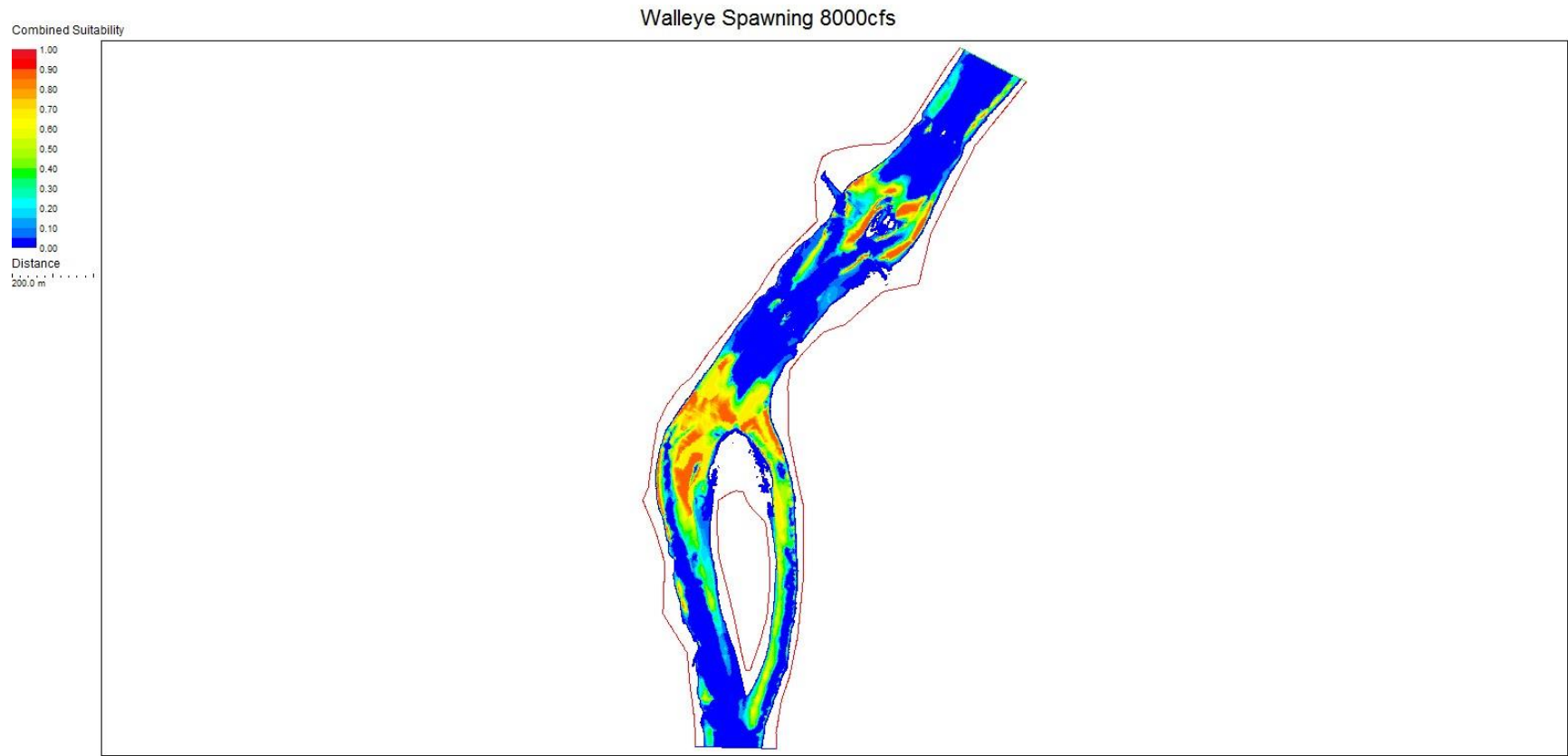


Walleye Spawning 6000cfs

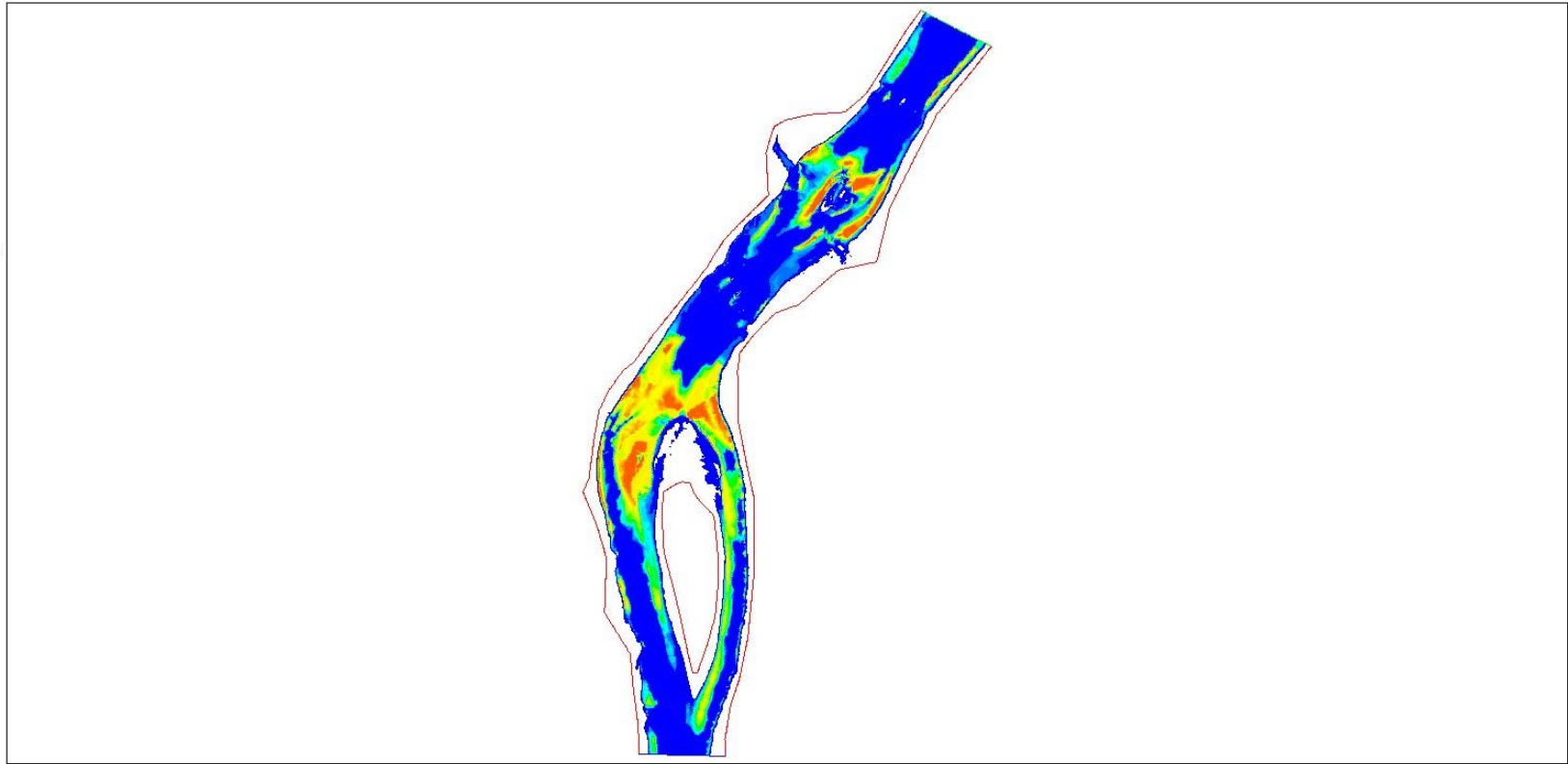
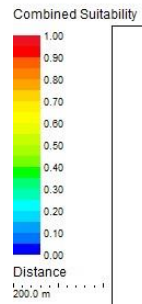


Walleye Spawning 7000cfs

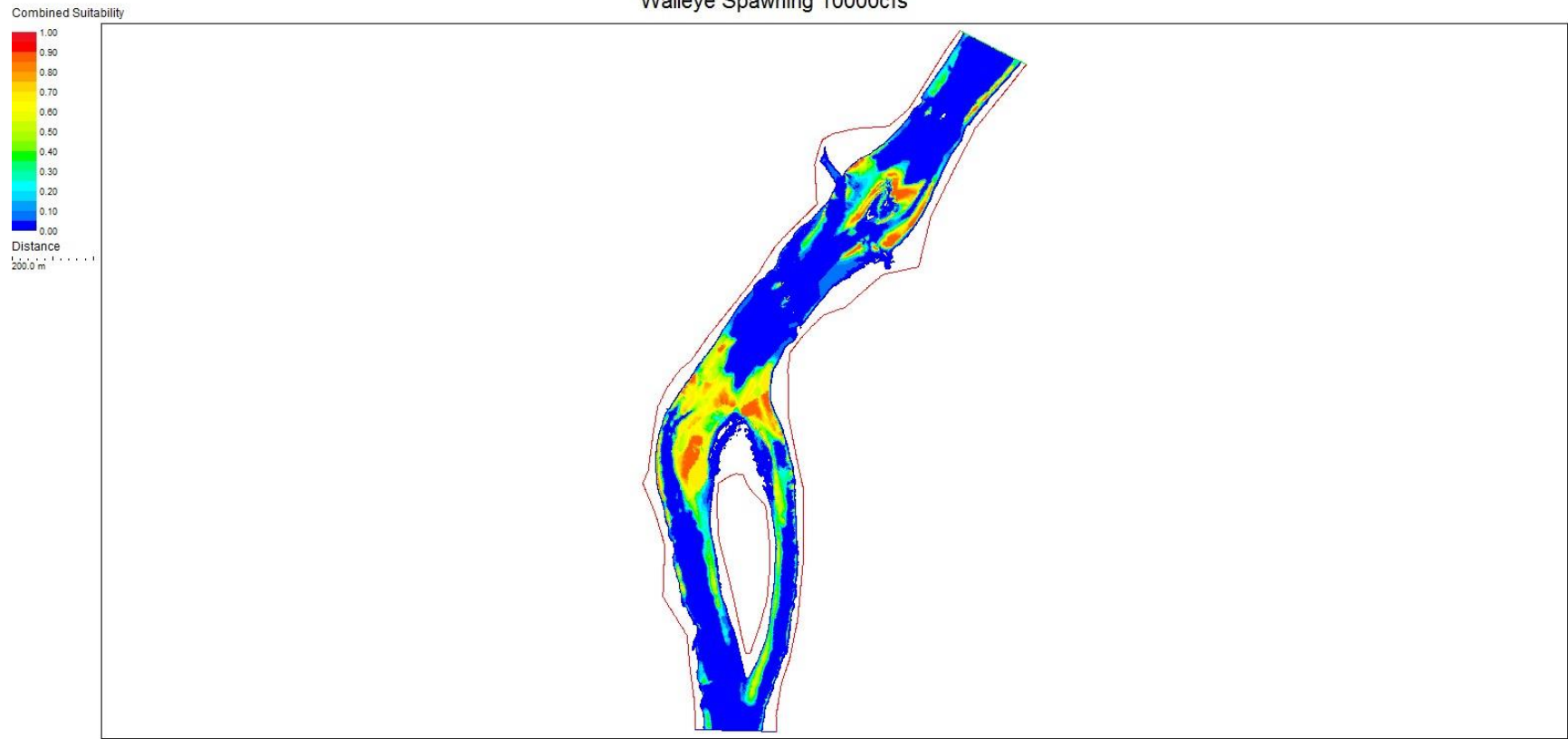




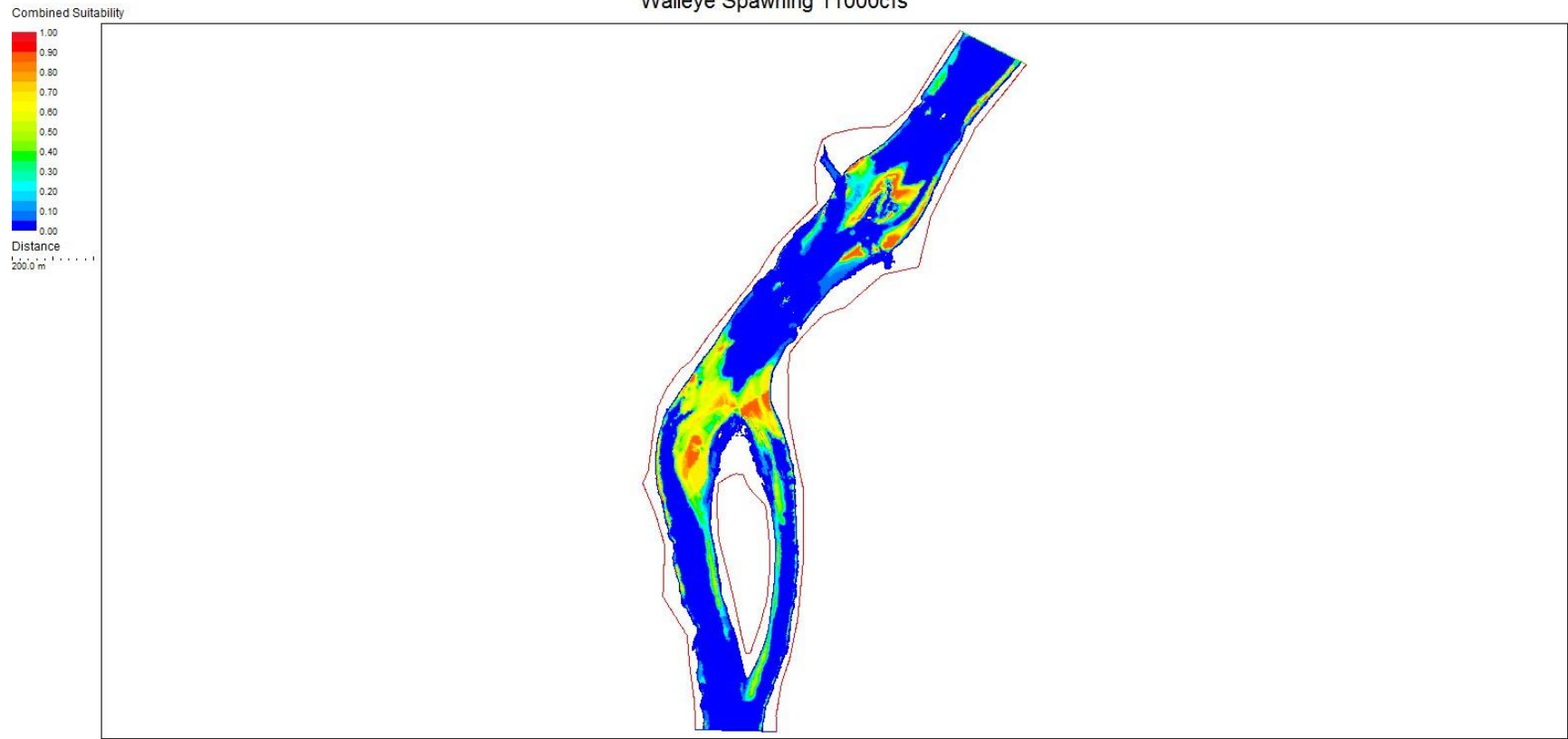
Walleye Spawning 9000cfs



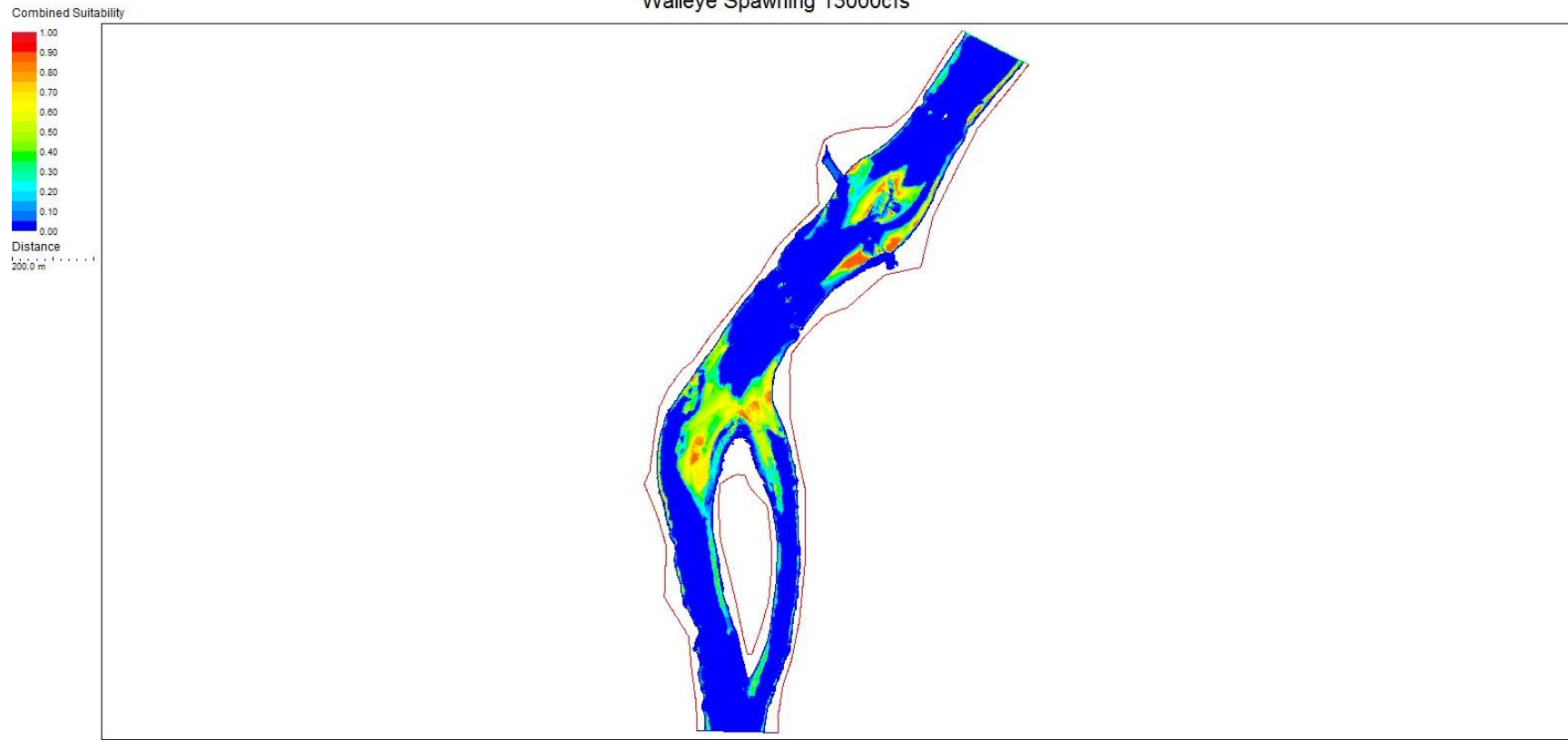
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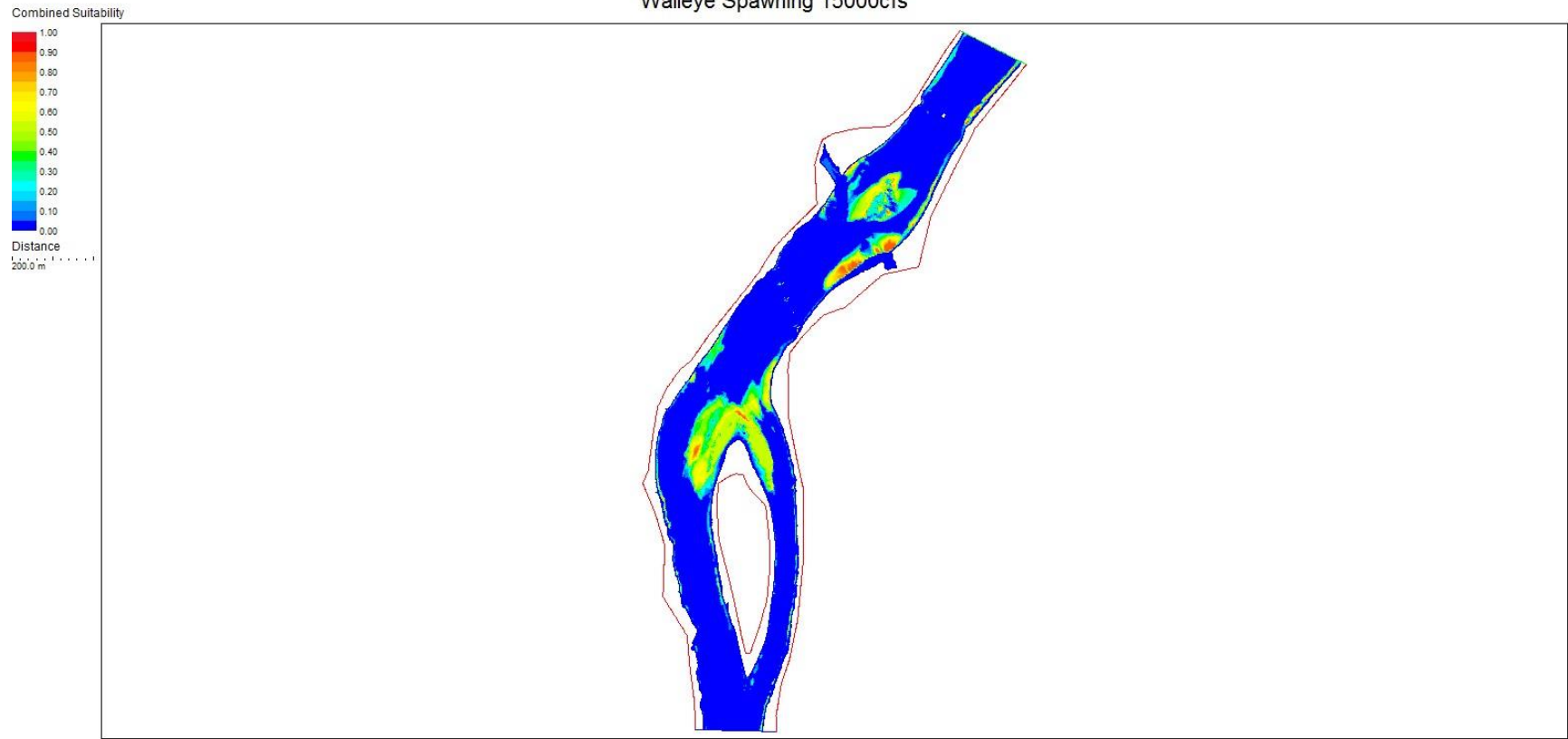
Walleye Spawning 11000cfs



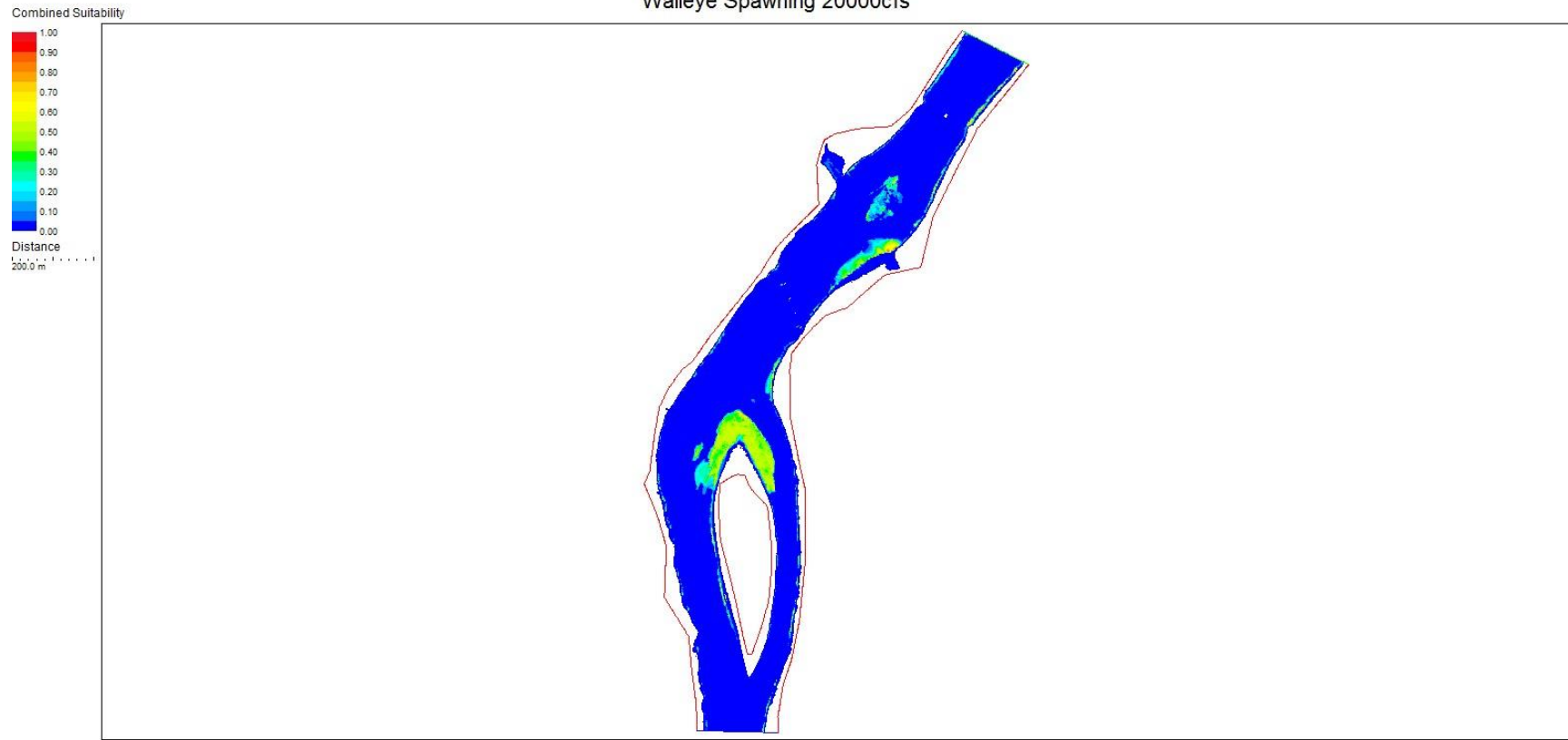
Walleye Spawning 13000cfs



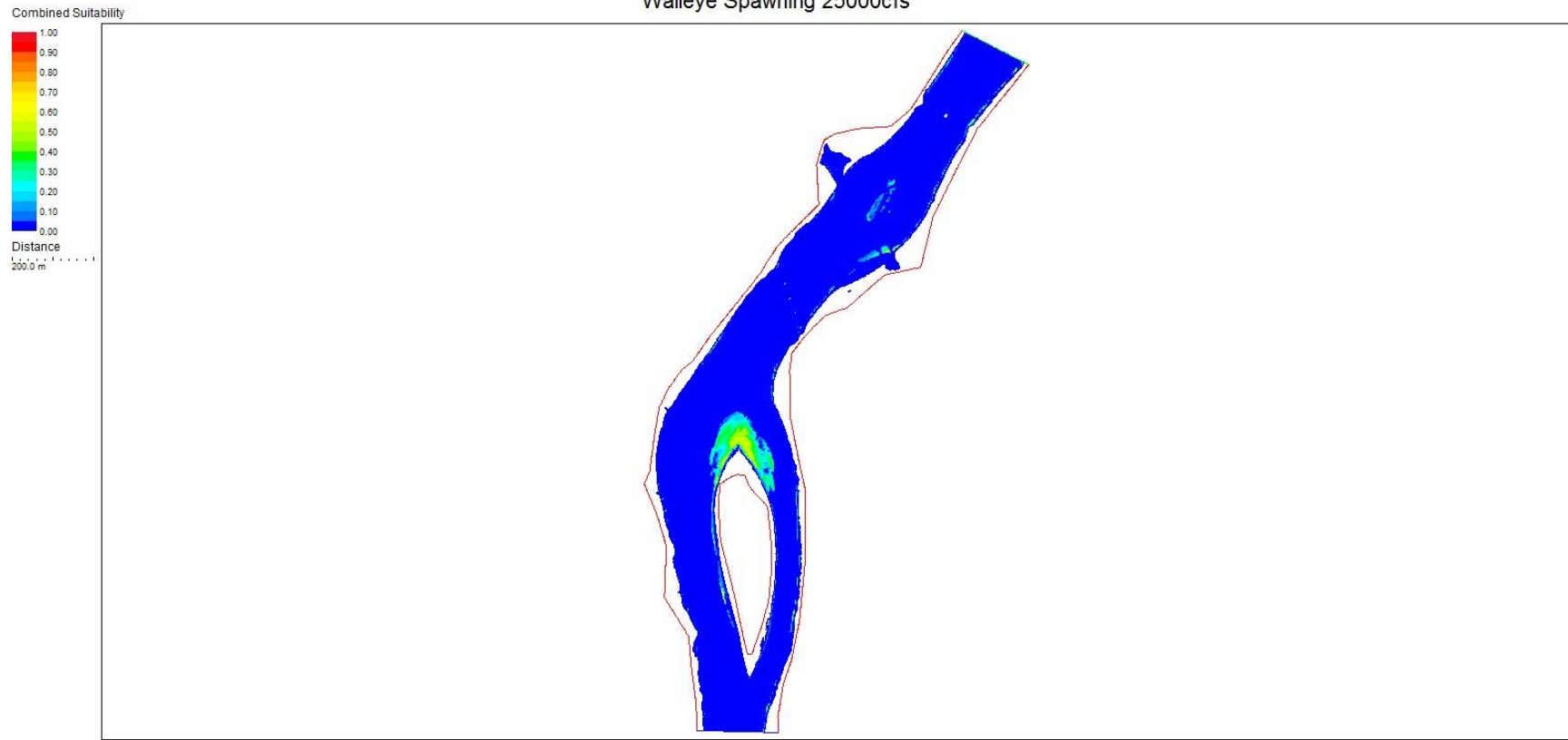
Walleye Spawning 15000cfs



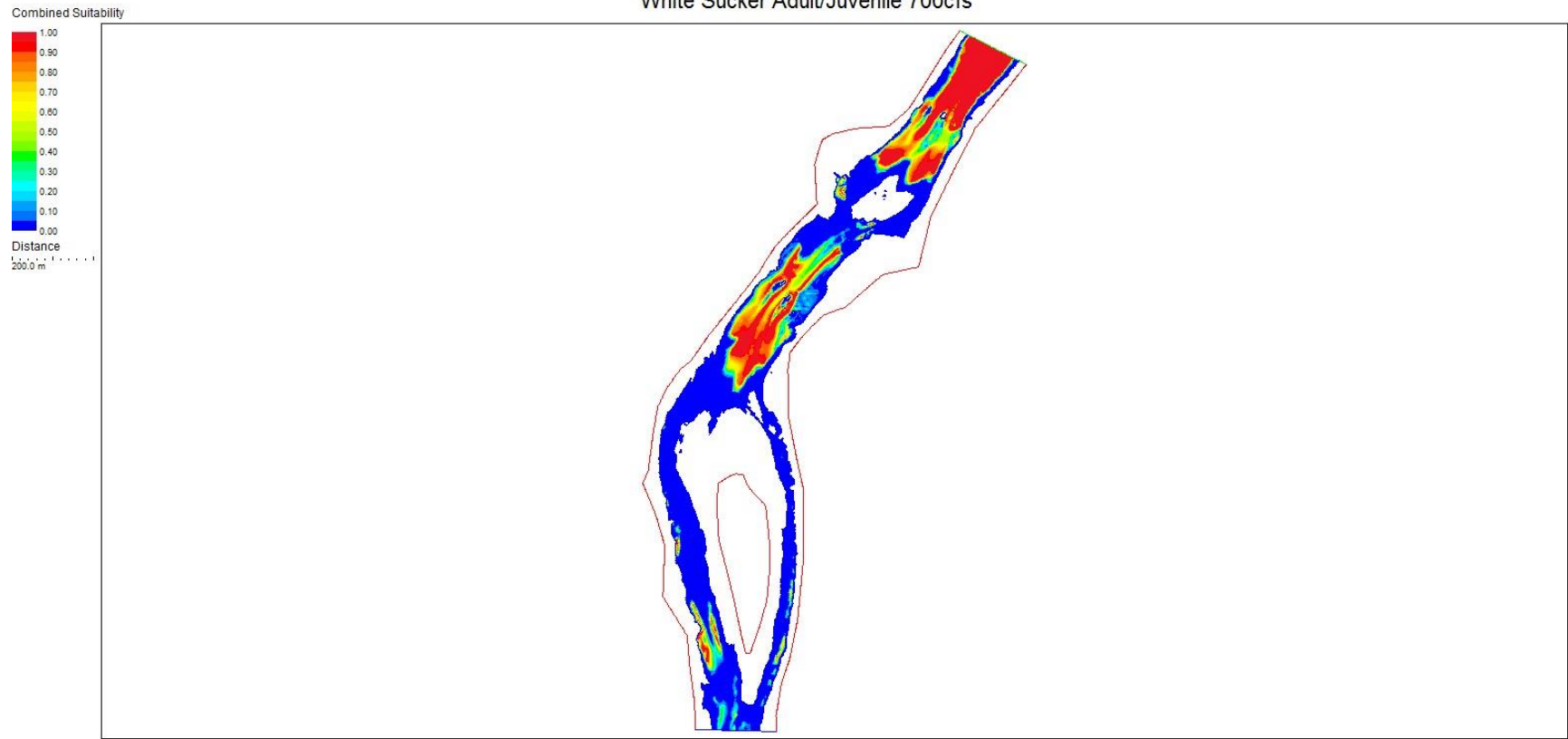
Walleye Spawning 20000cfs



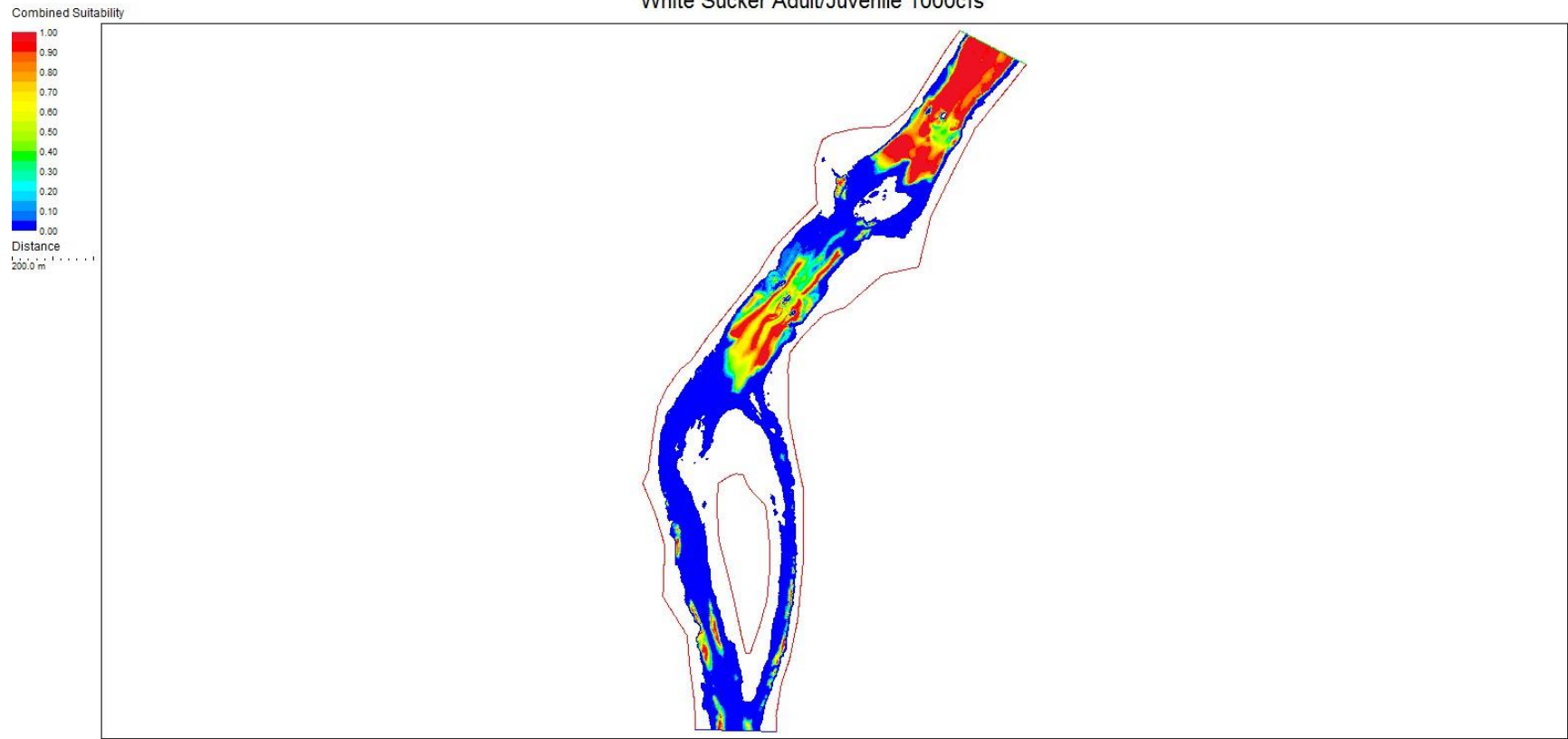
Walleye Spawning 25000cfs



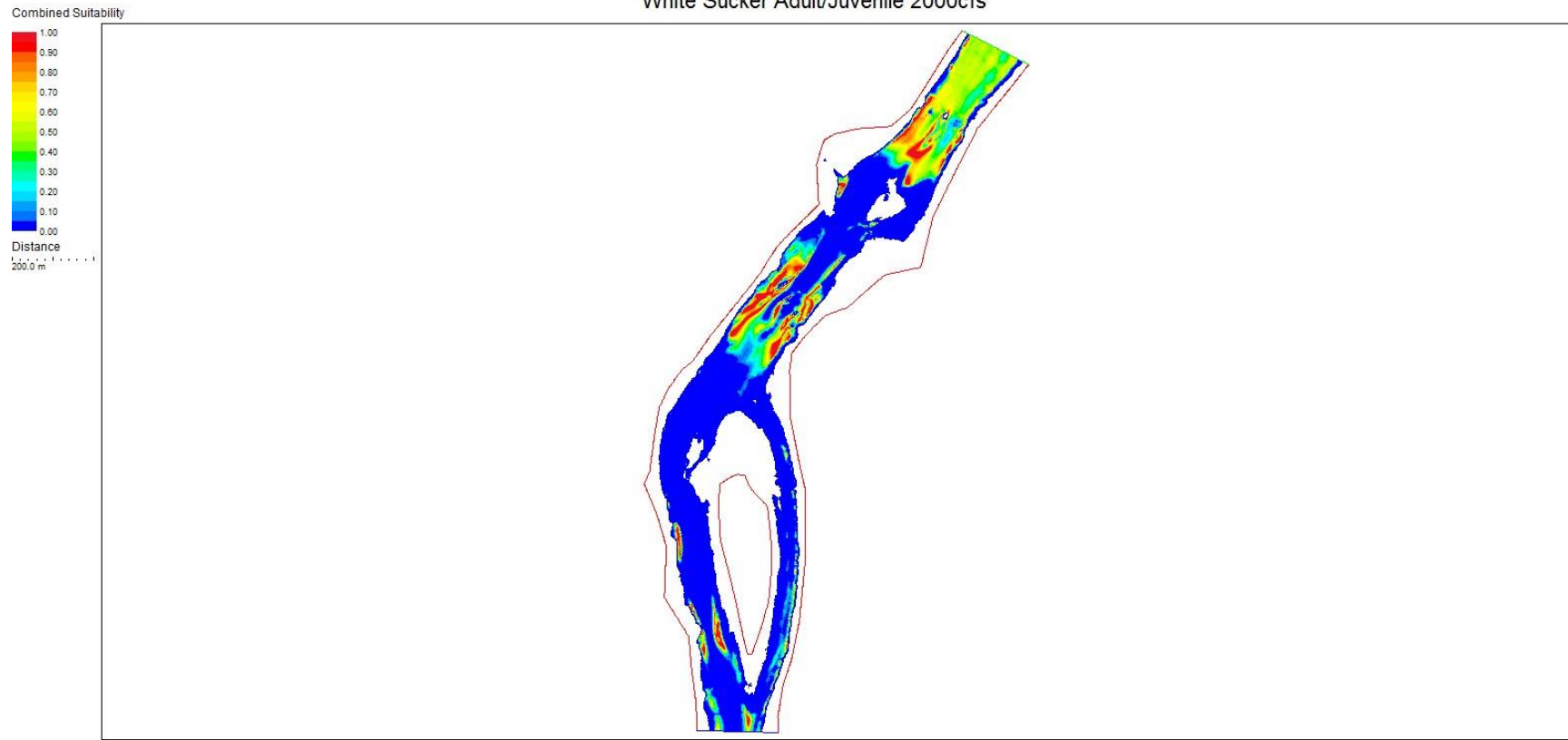
White Sucker Adult/Juvenile 700cfs



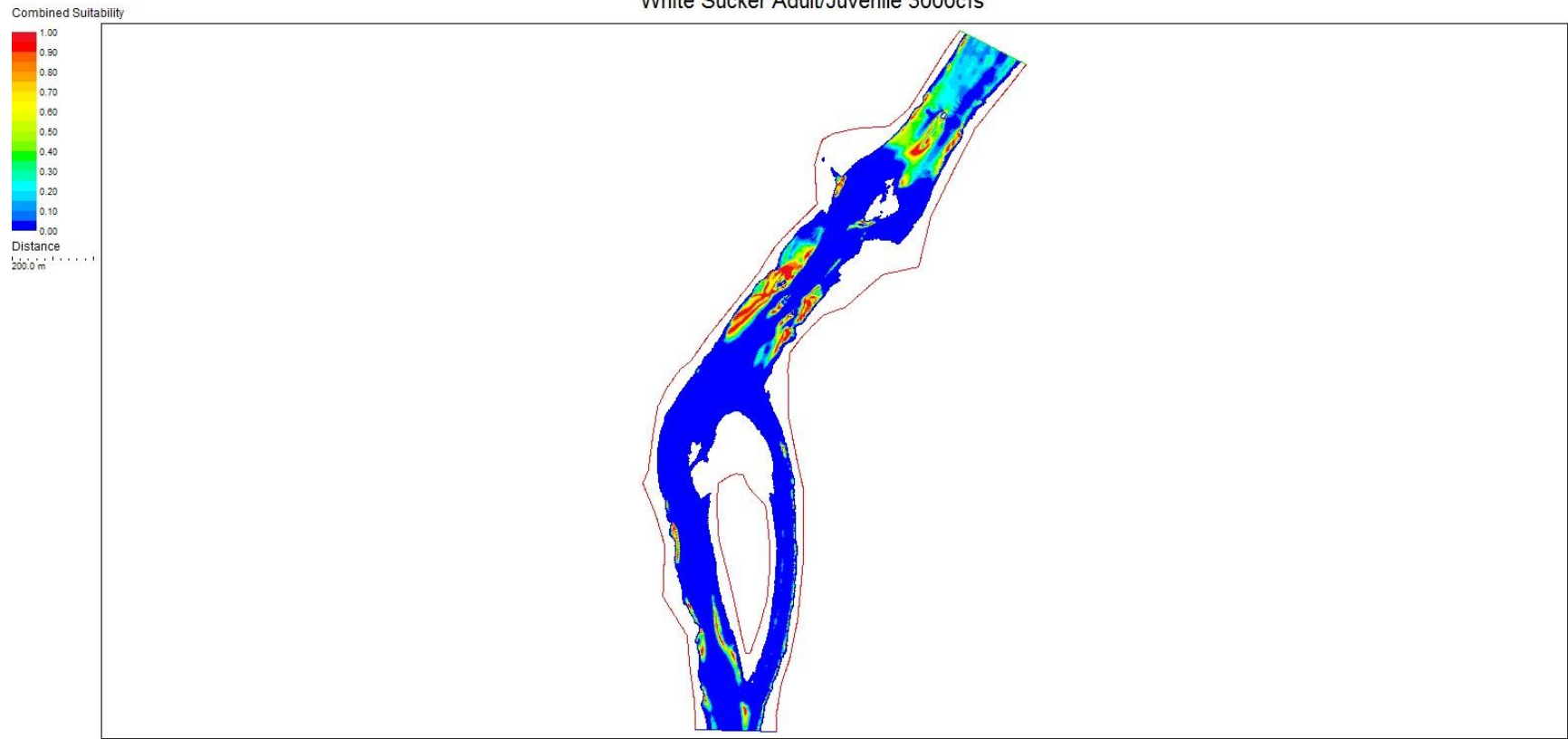
White Sucker Adult/Juvenile 1000cfs



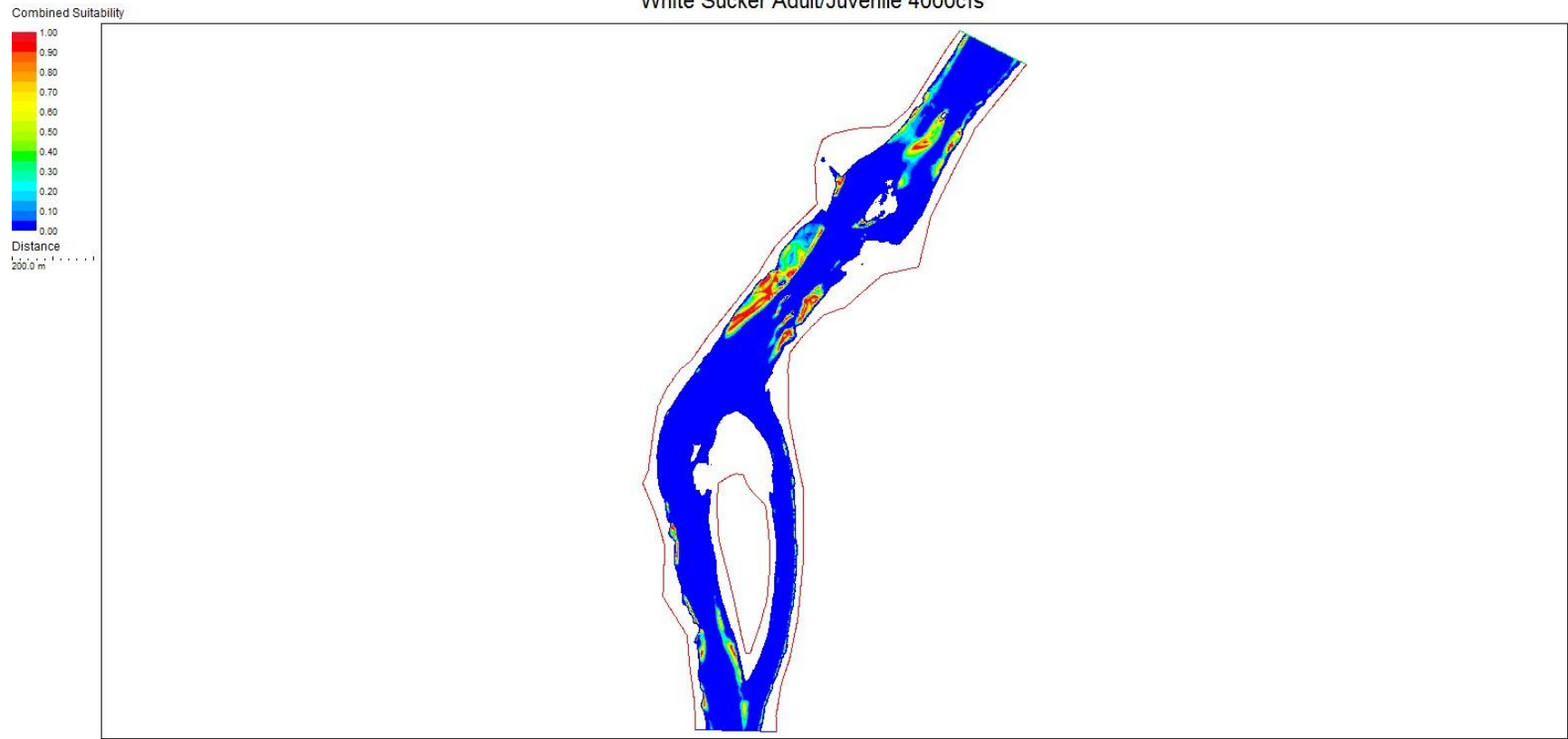
White Sucker Adult/Juvenile 2000cfs

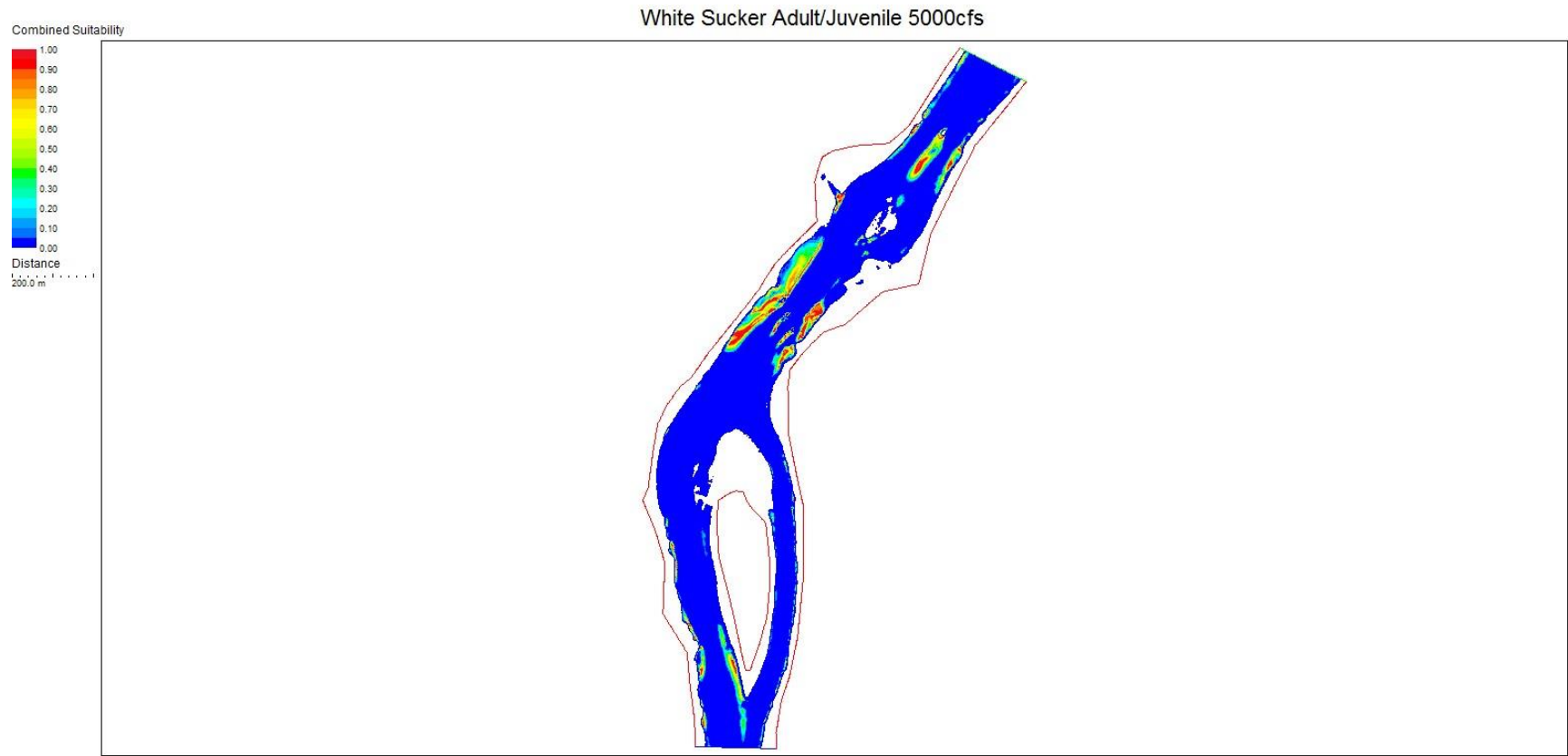


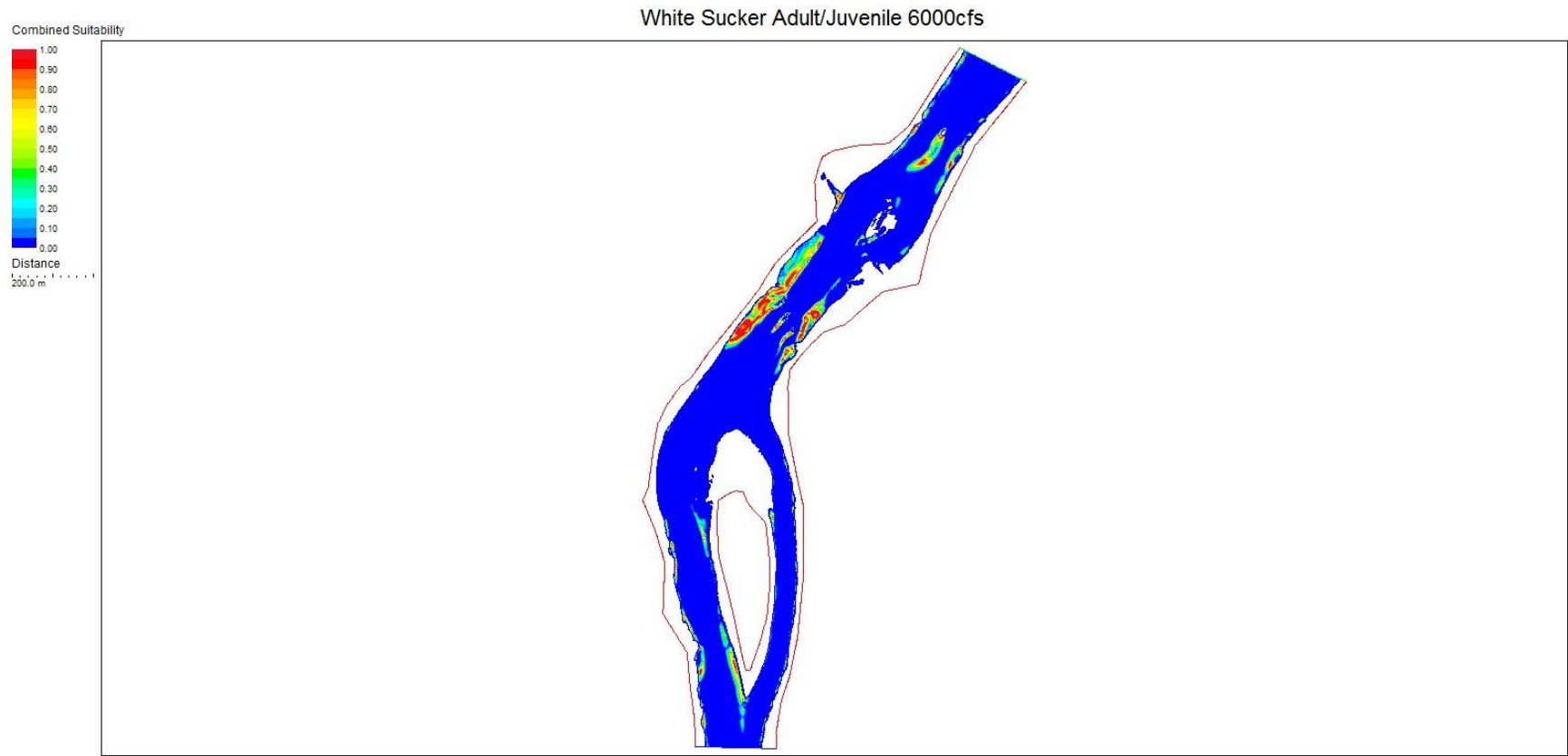
White Sucker Adult/Juvenile 3000cfs

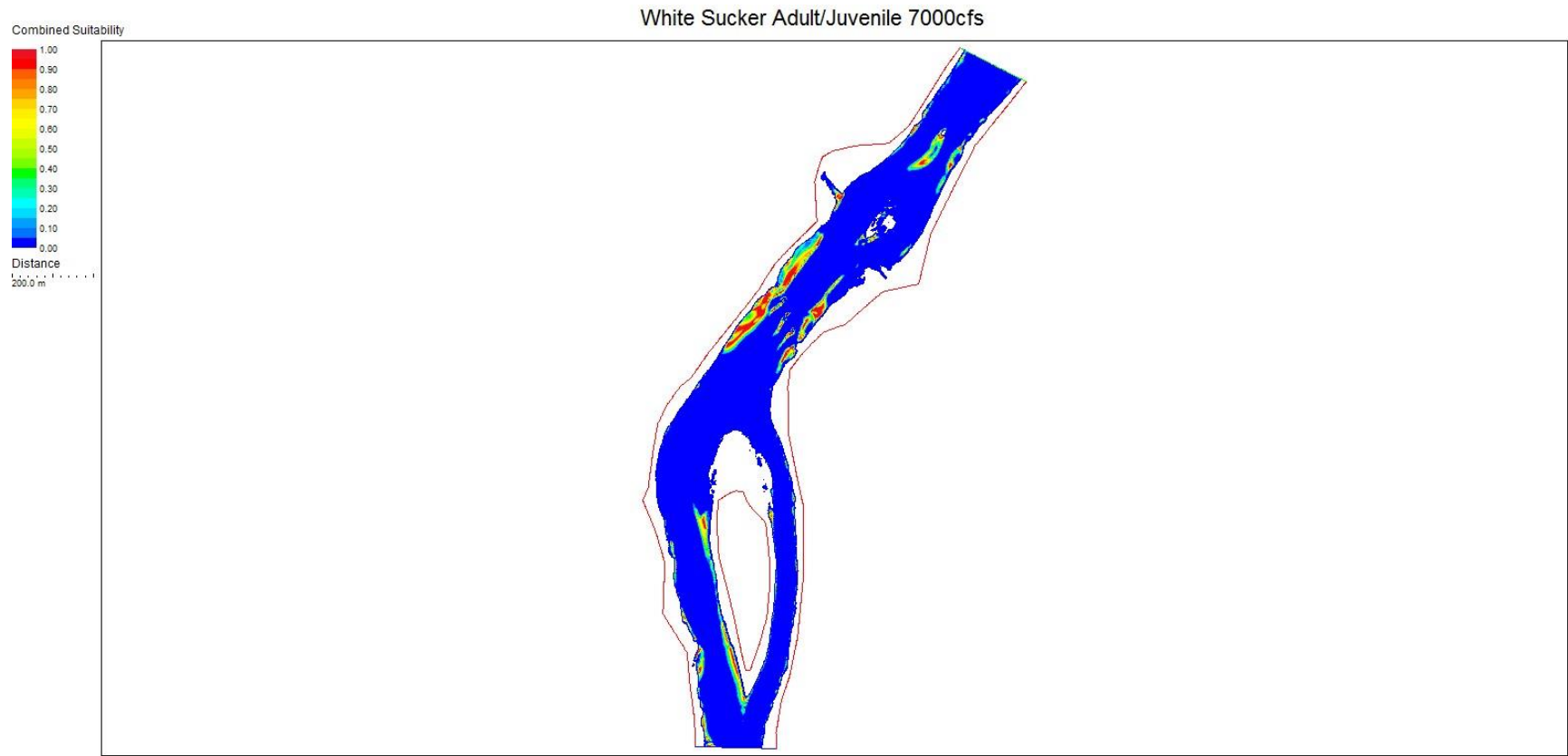


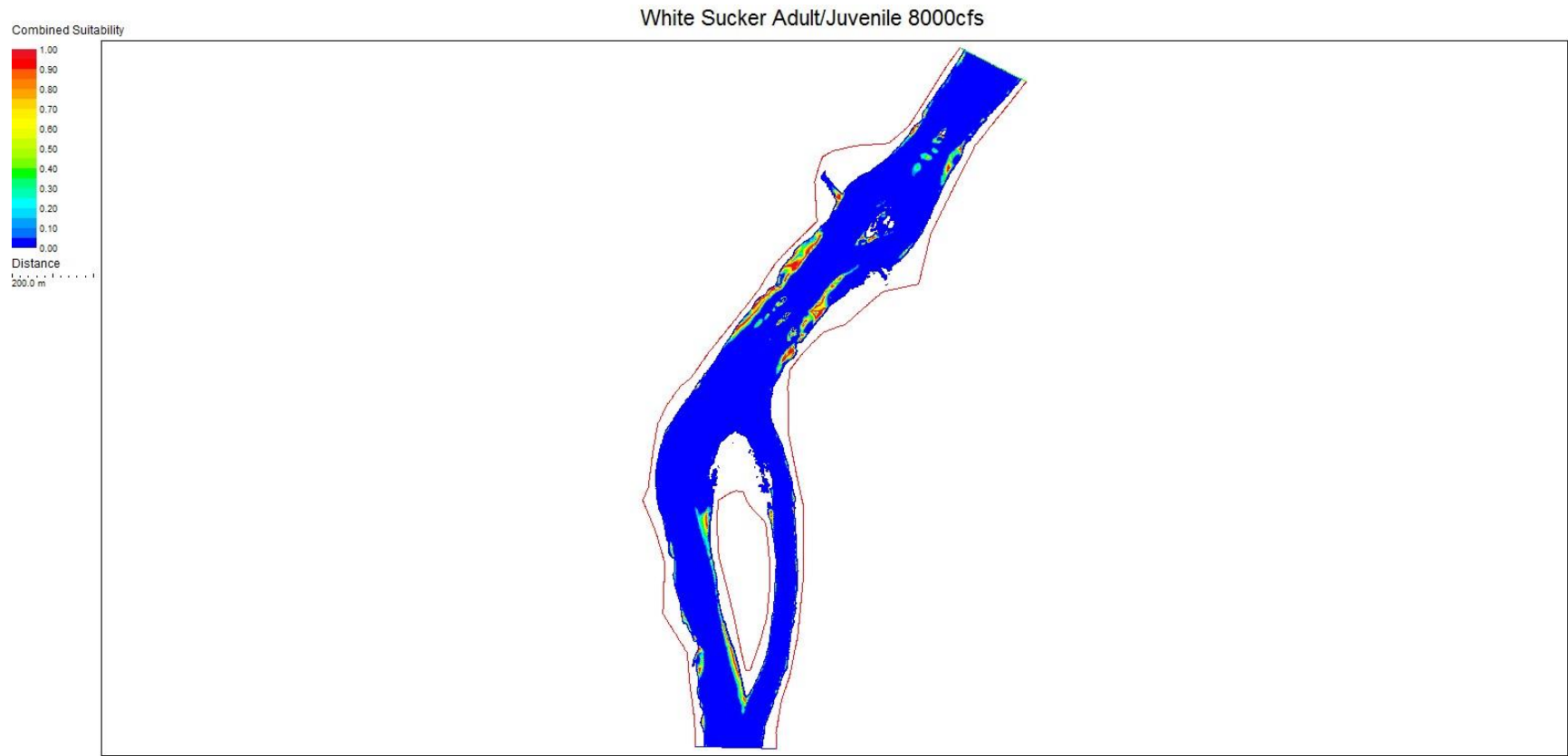
White Sucker Adult/Juvenile 4000cfs

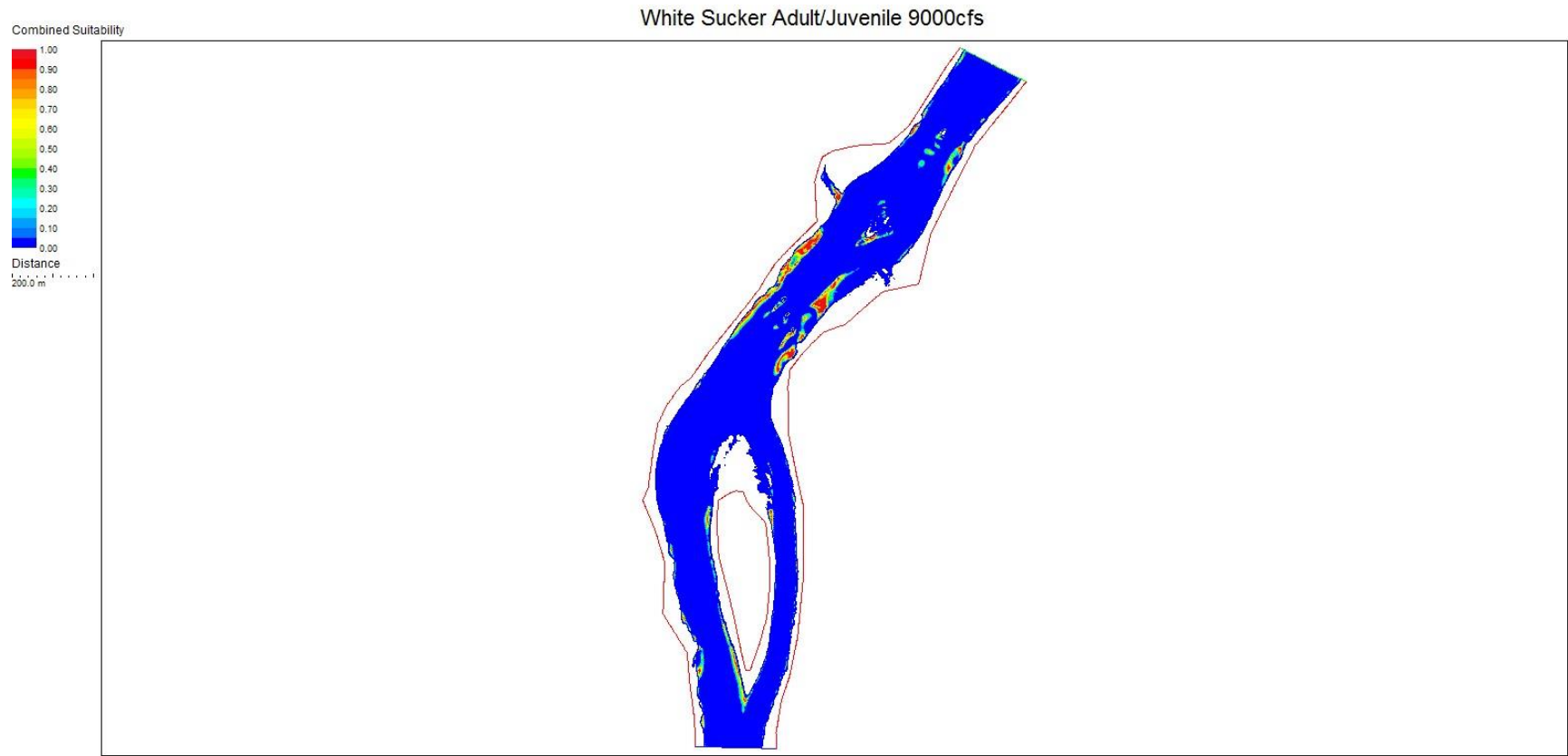


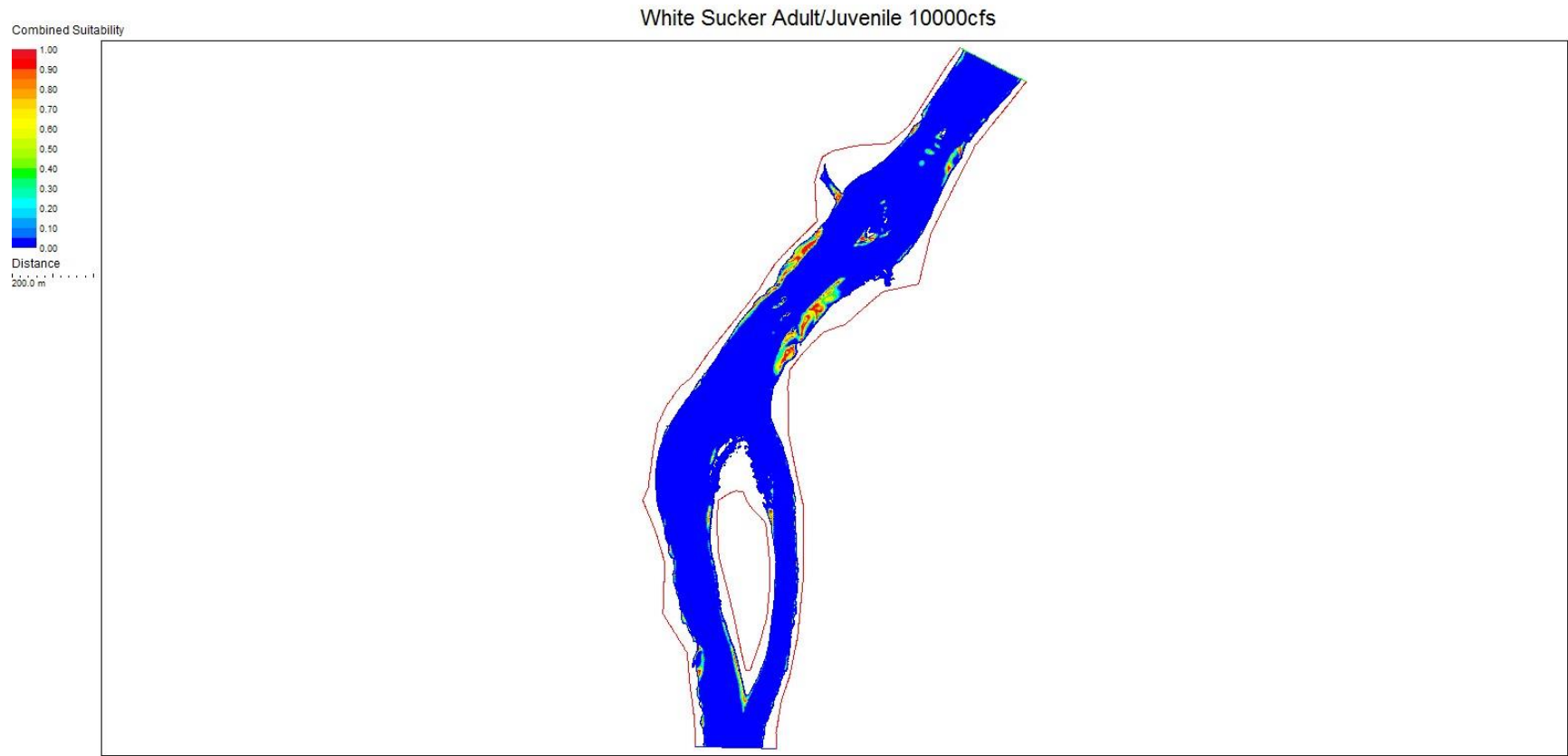




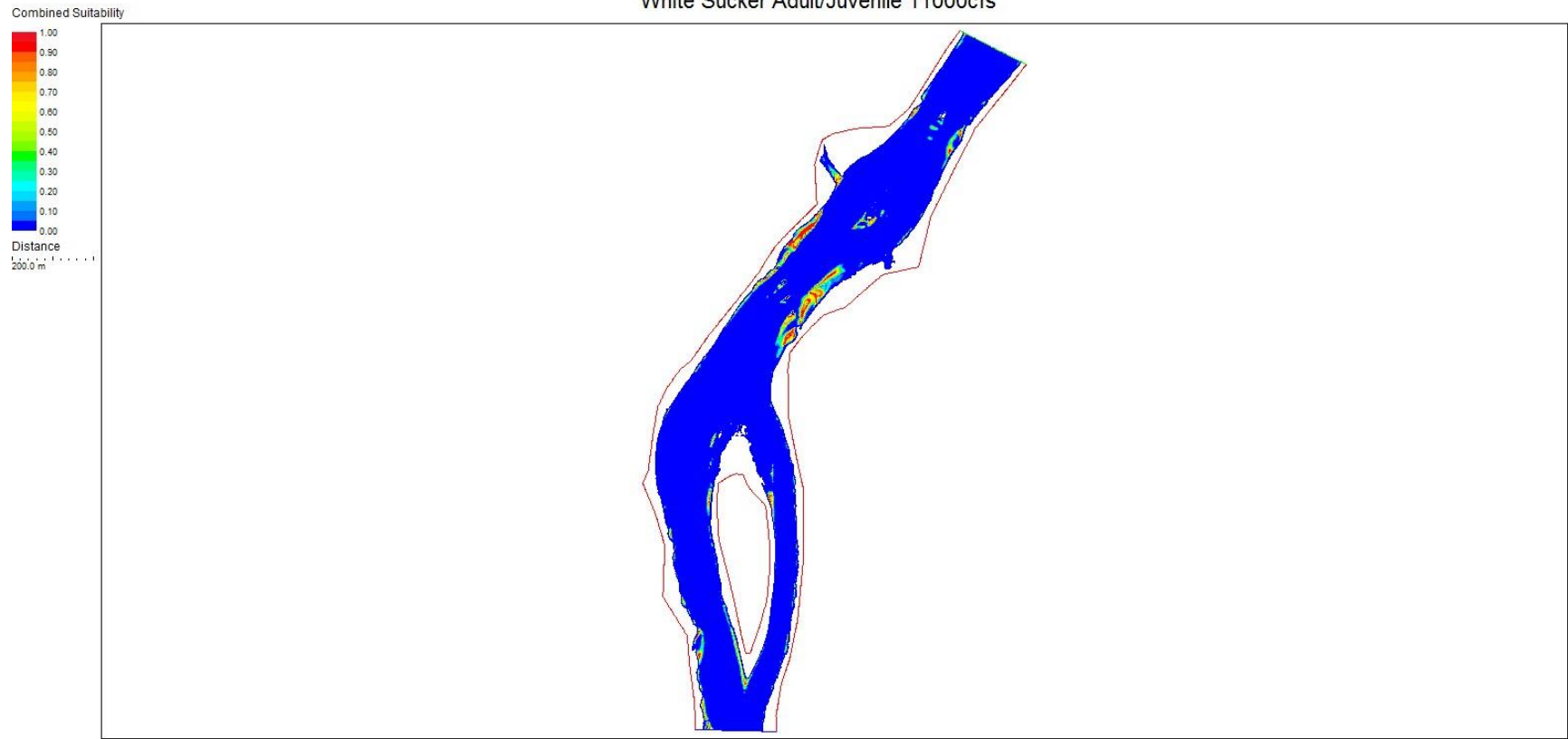


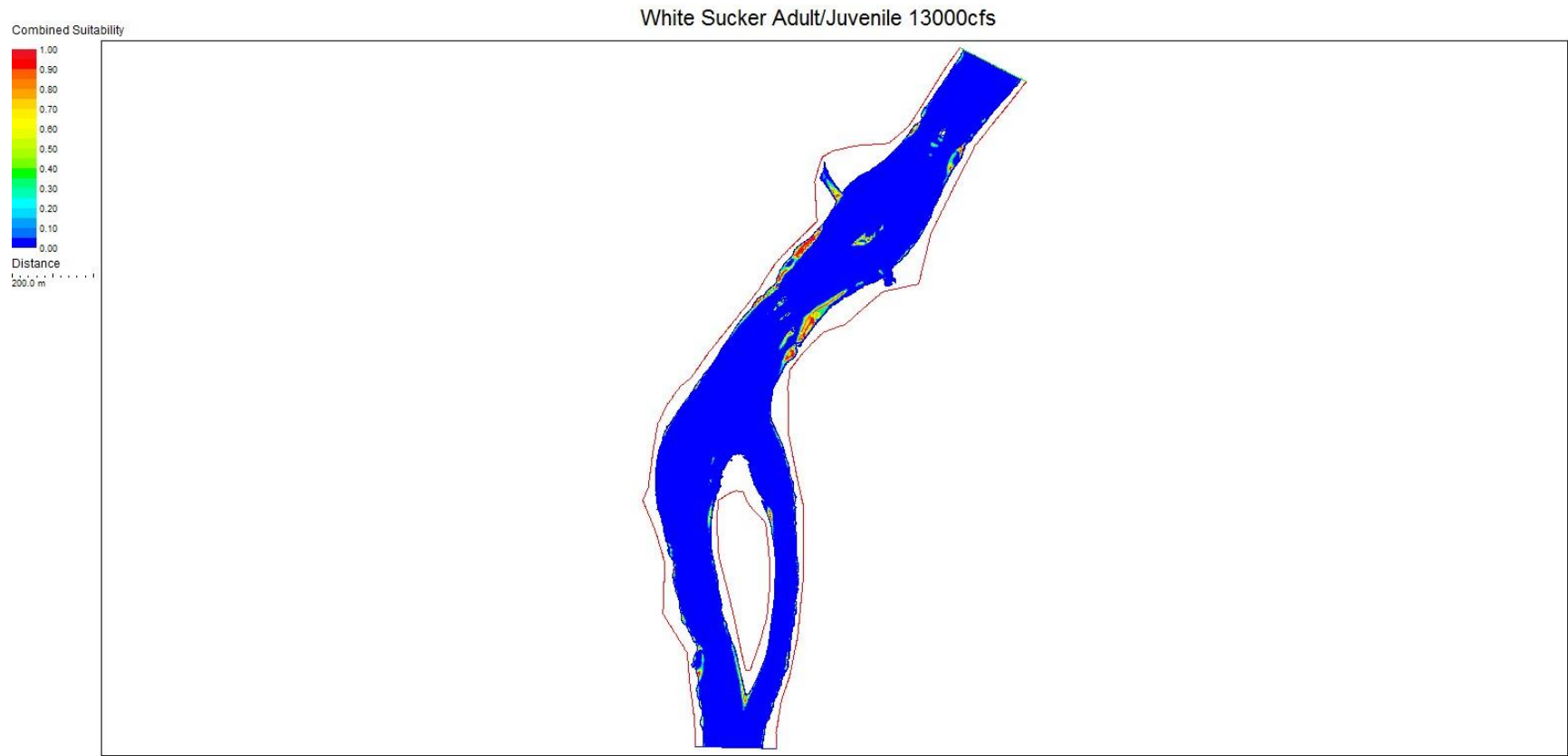


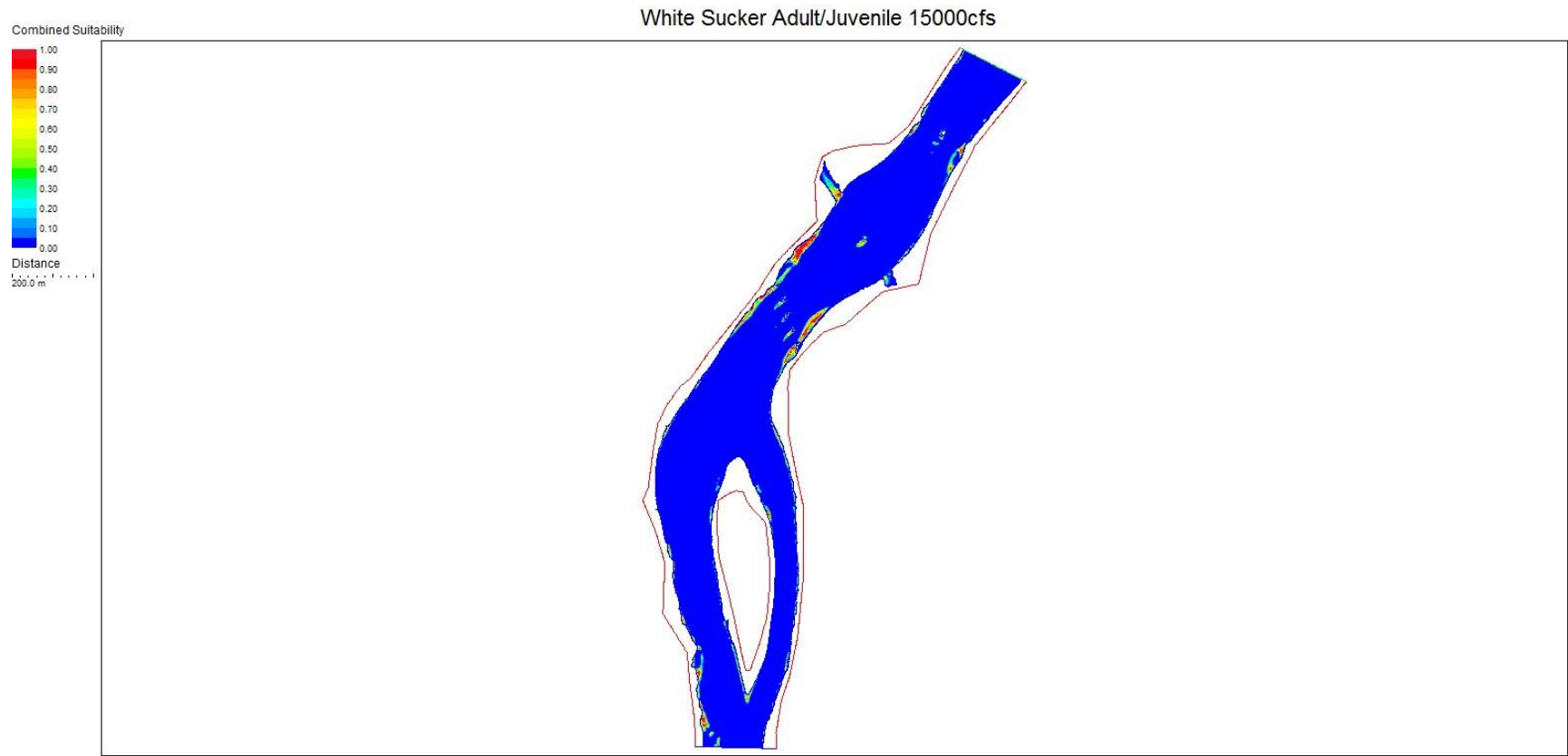


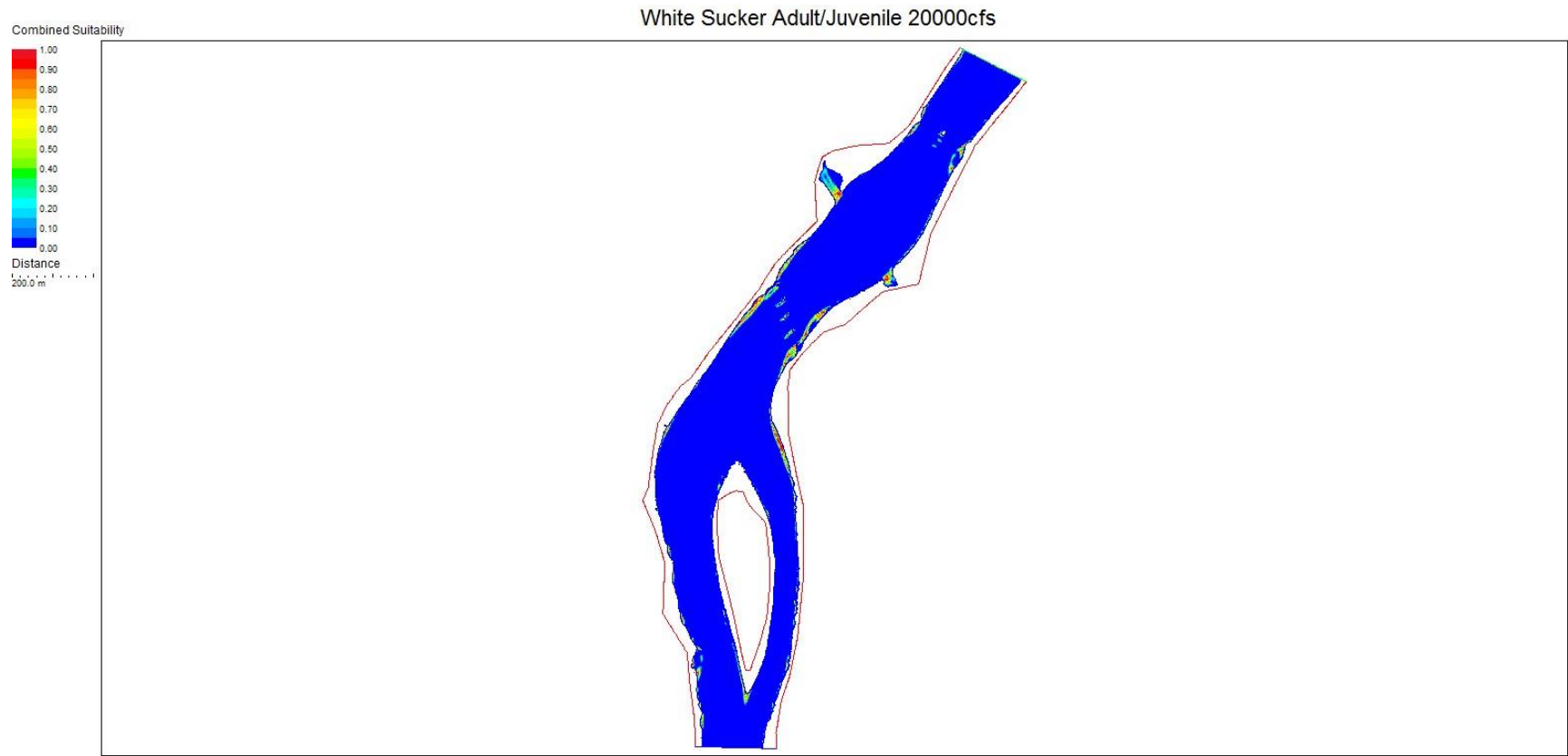


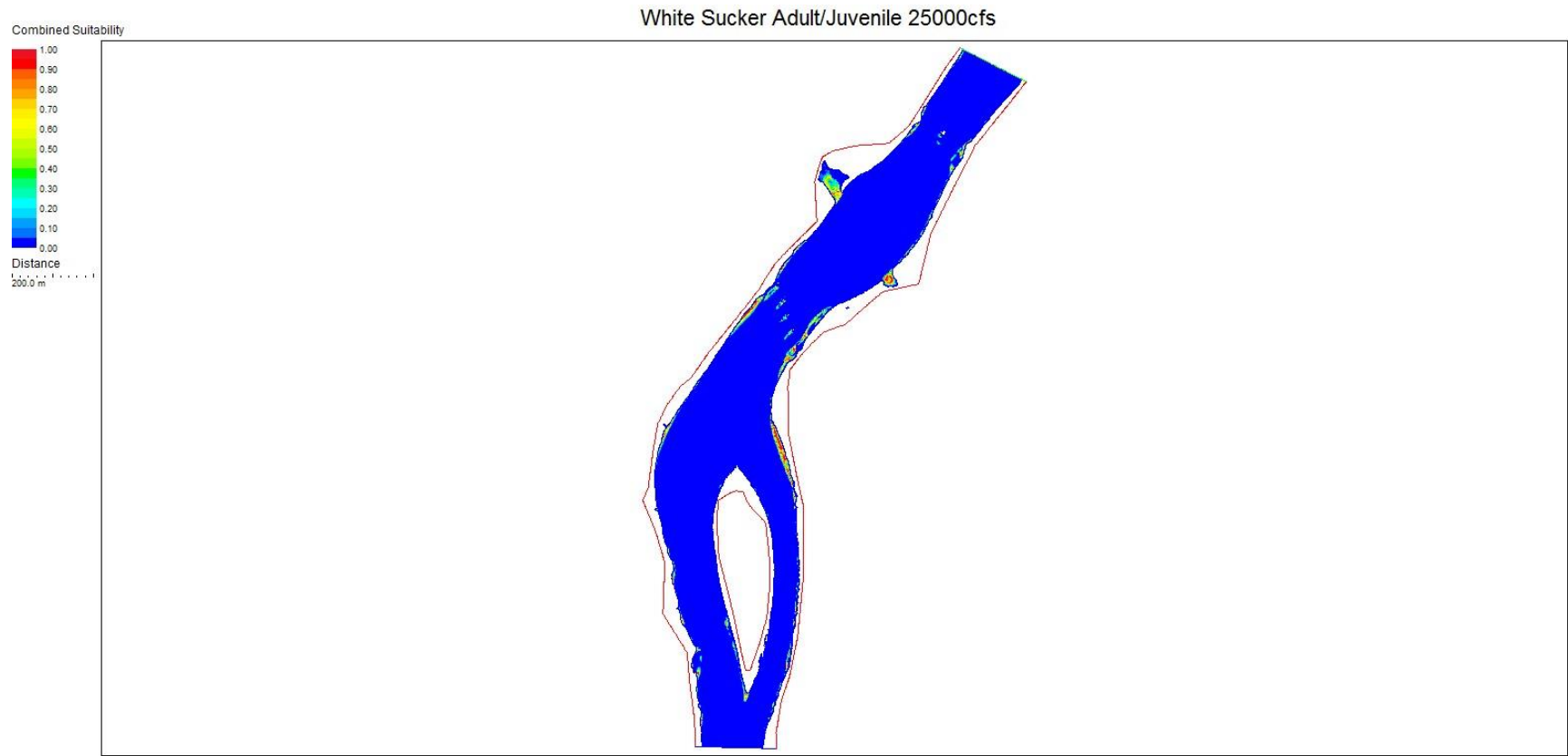
White Sucker Adult/Juvenile 11000cfs



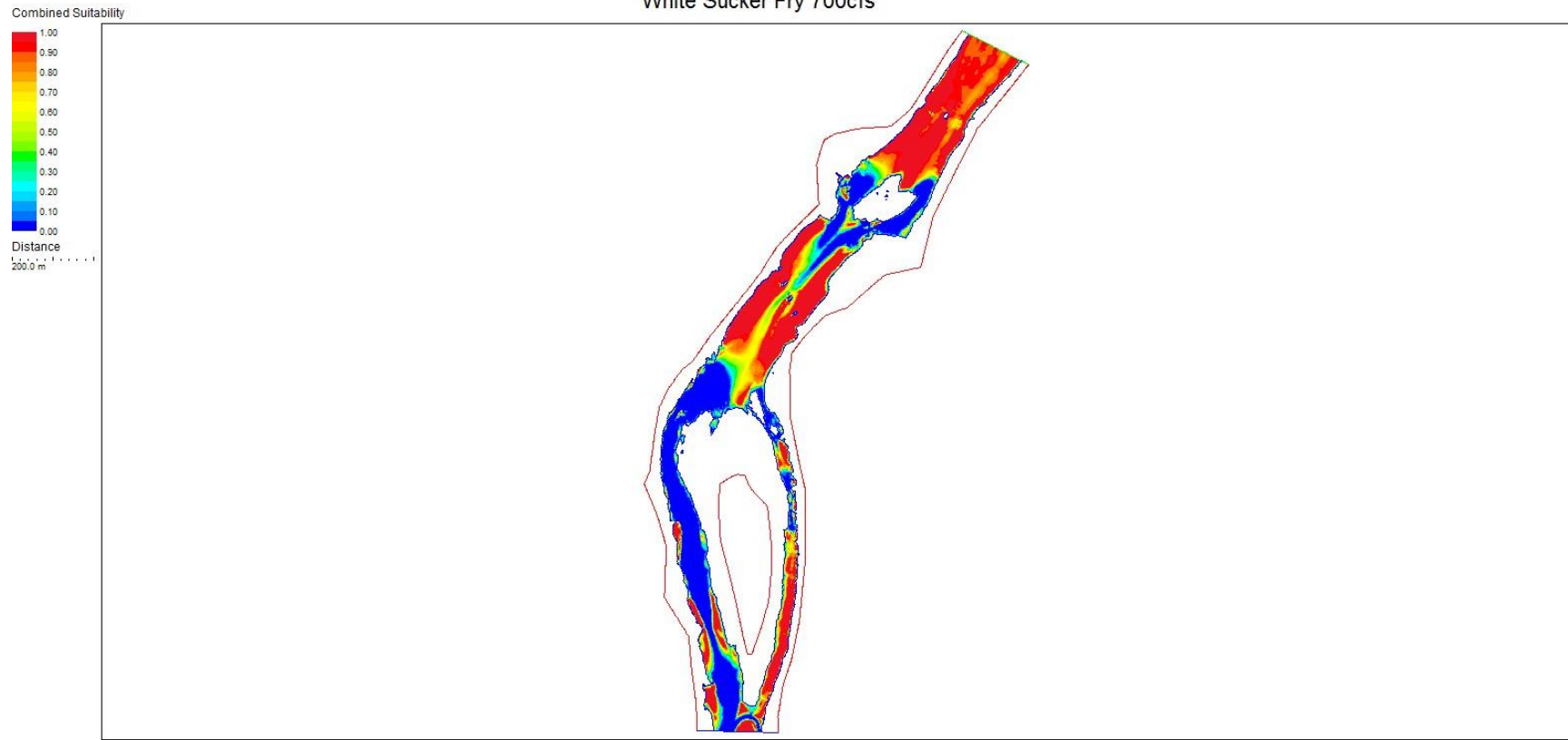




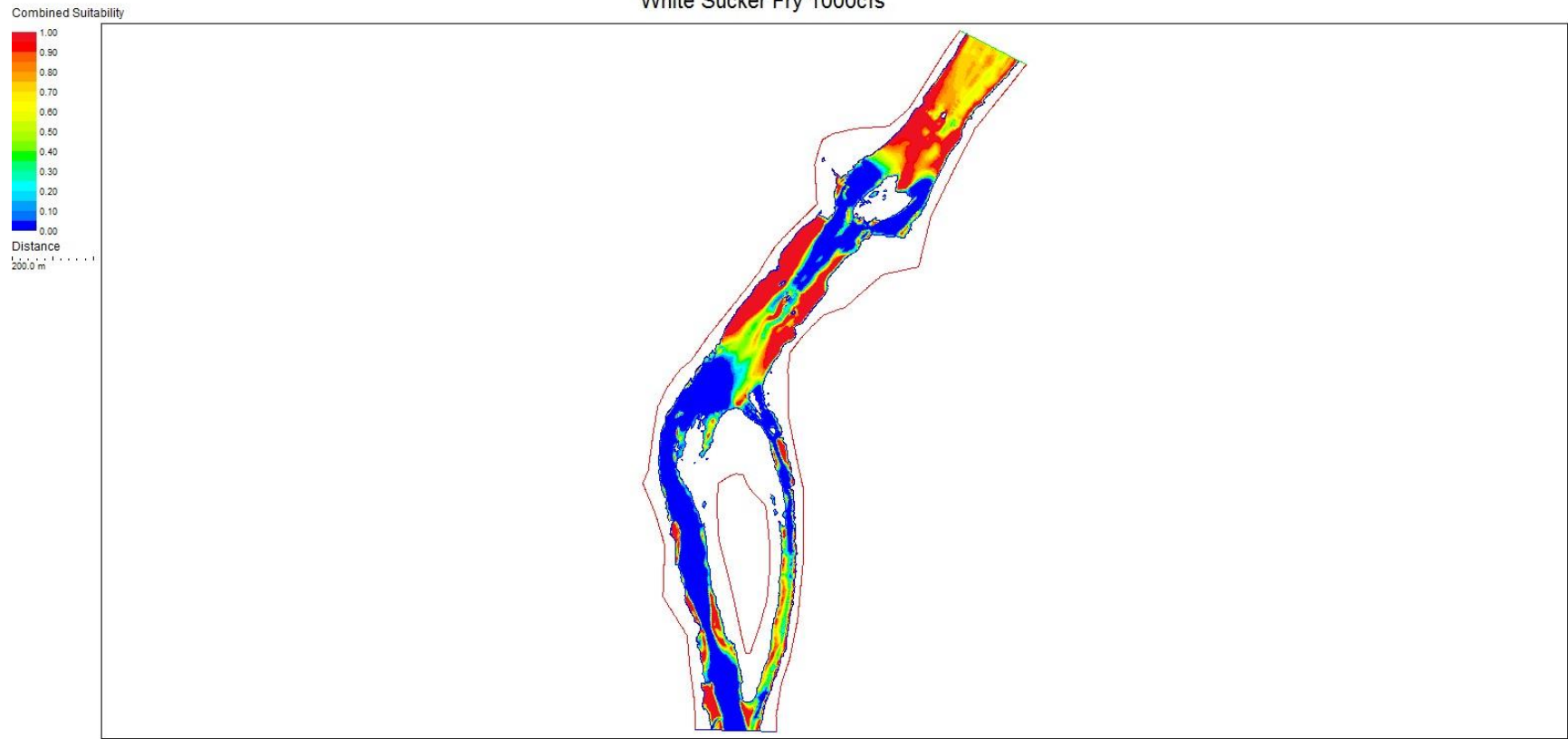




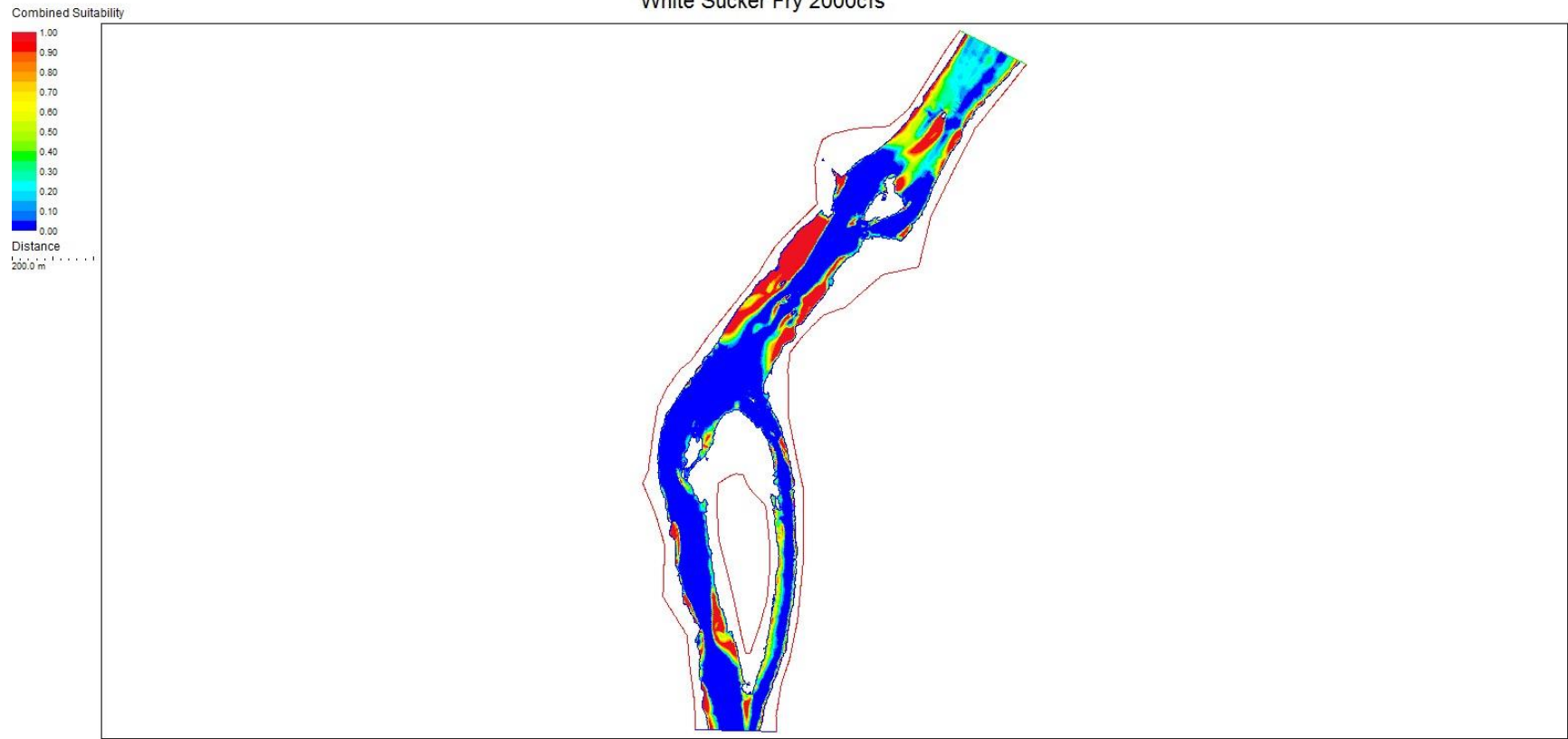
White Sucker Fry 700cfs



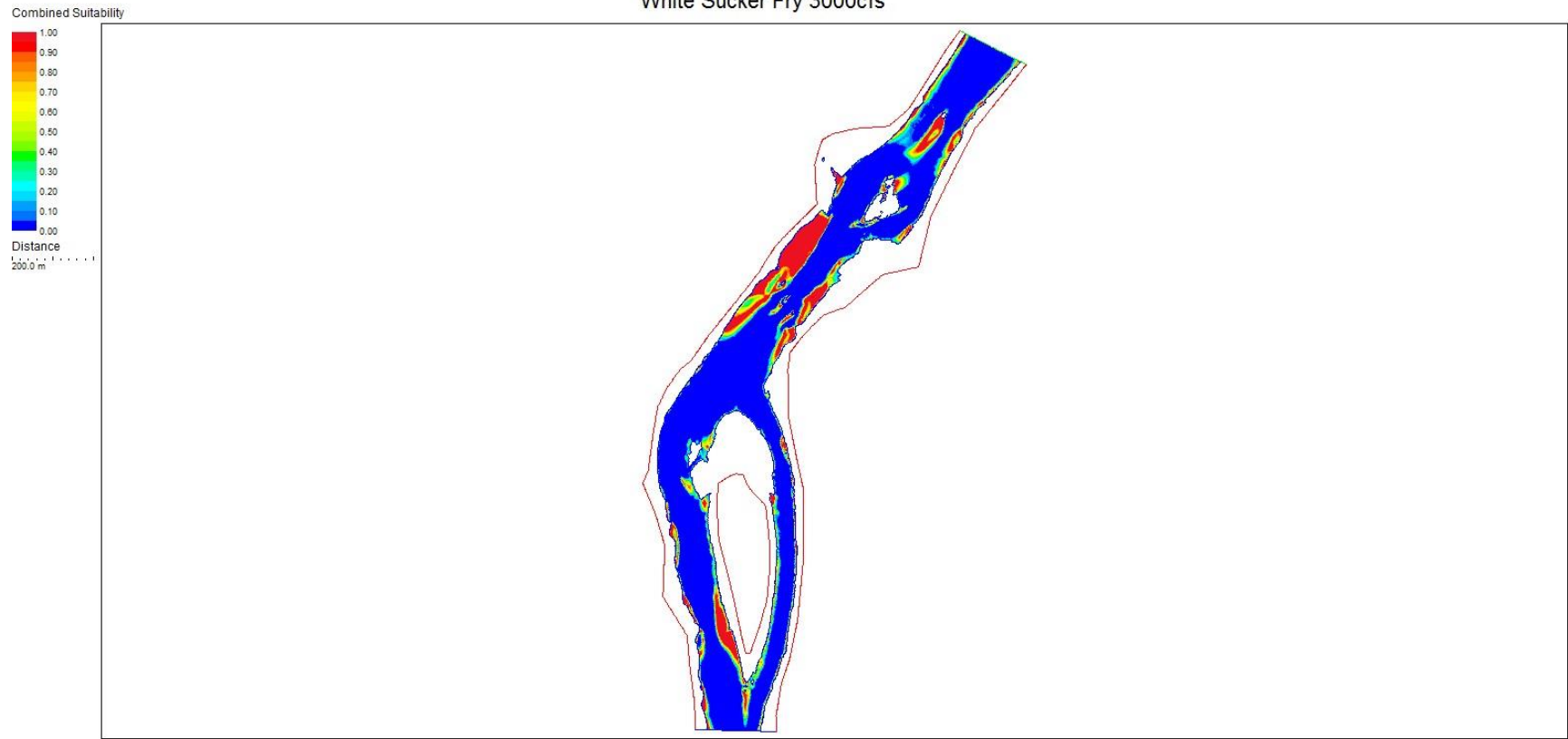
White Sucker Fry 1000cfs



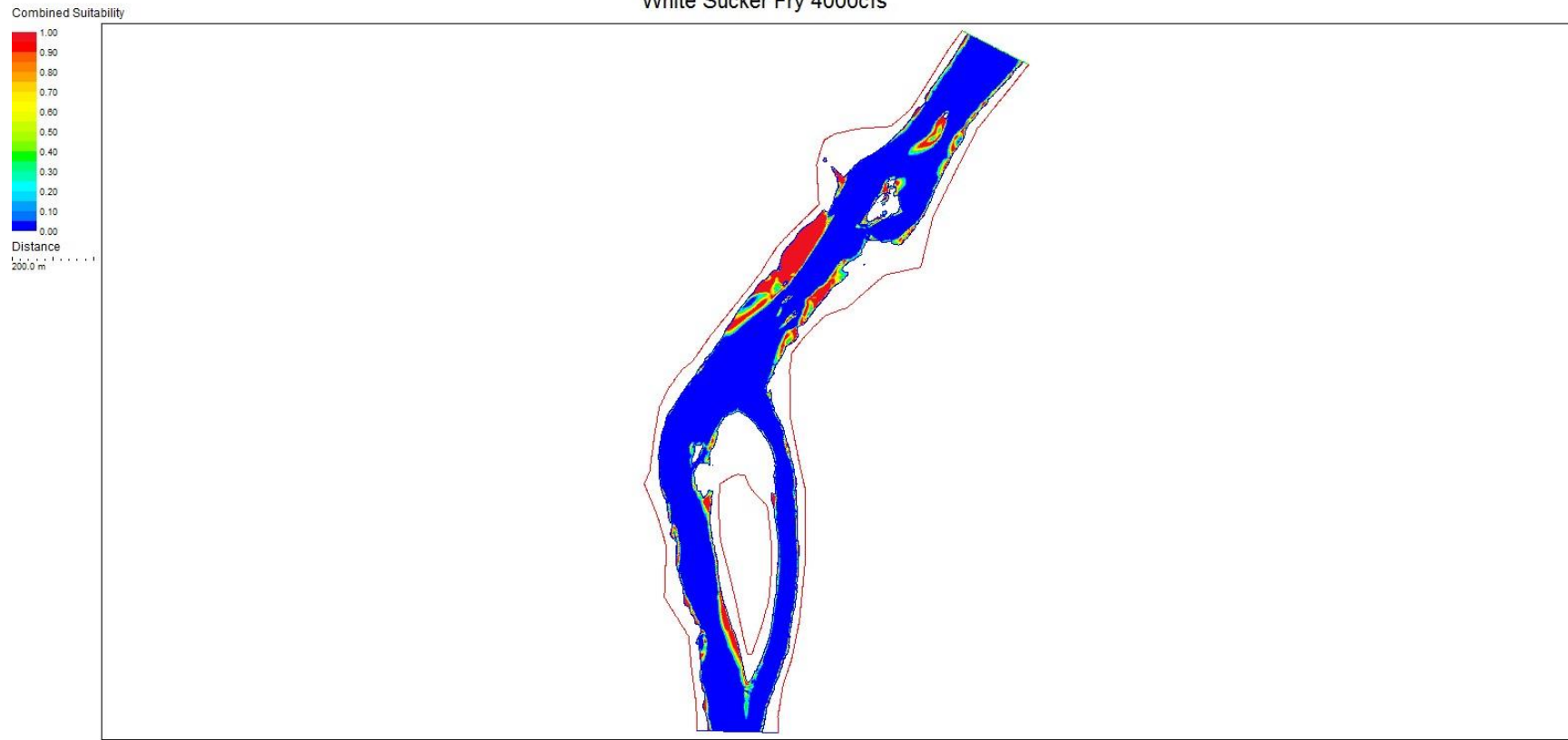
White Sucker Fry 2000cfs



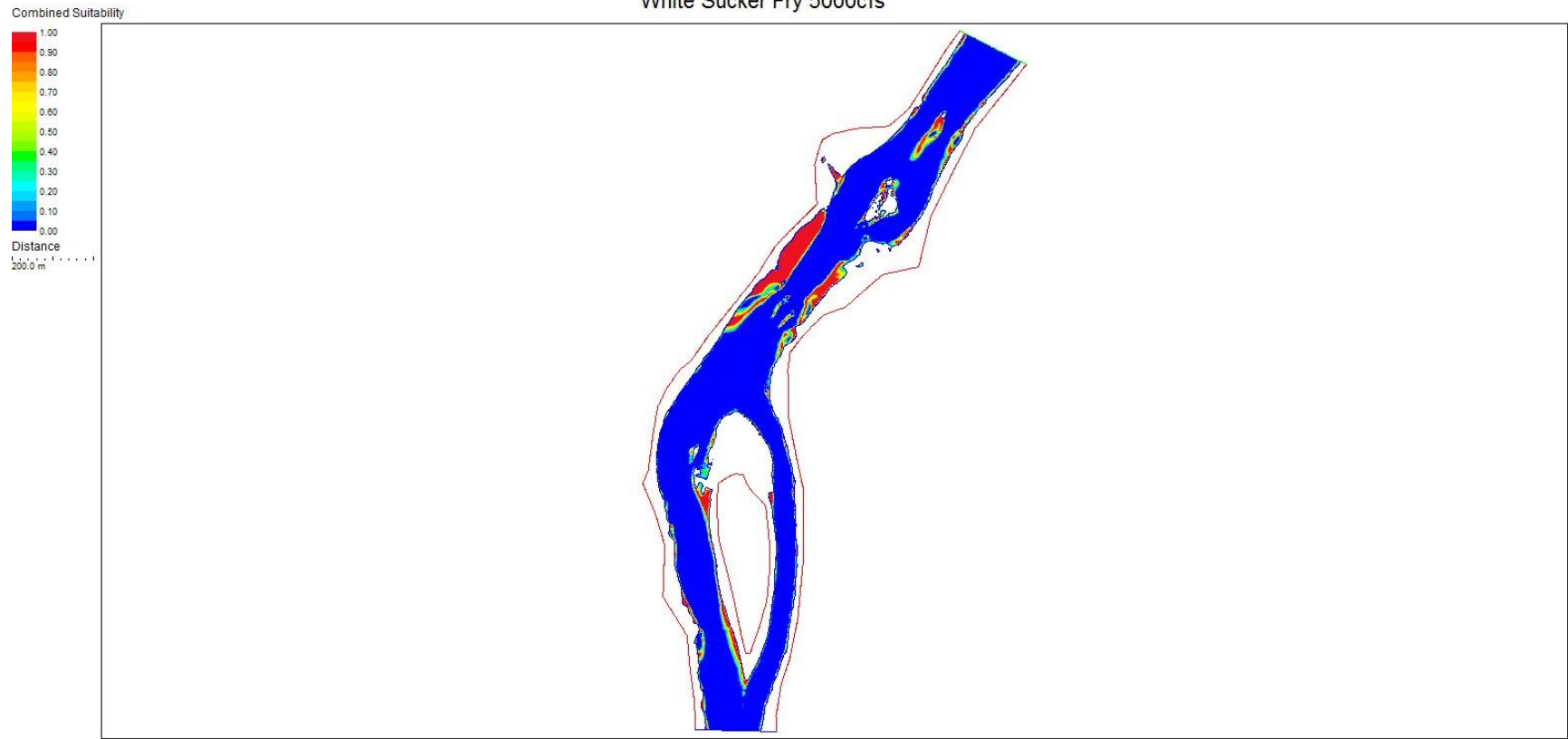
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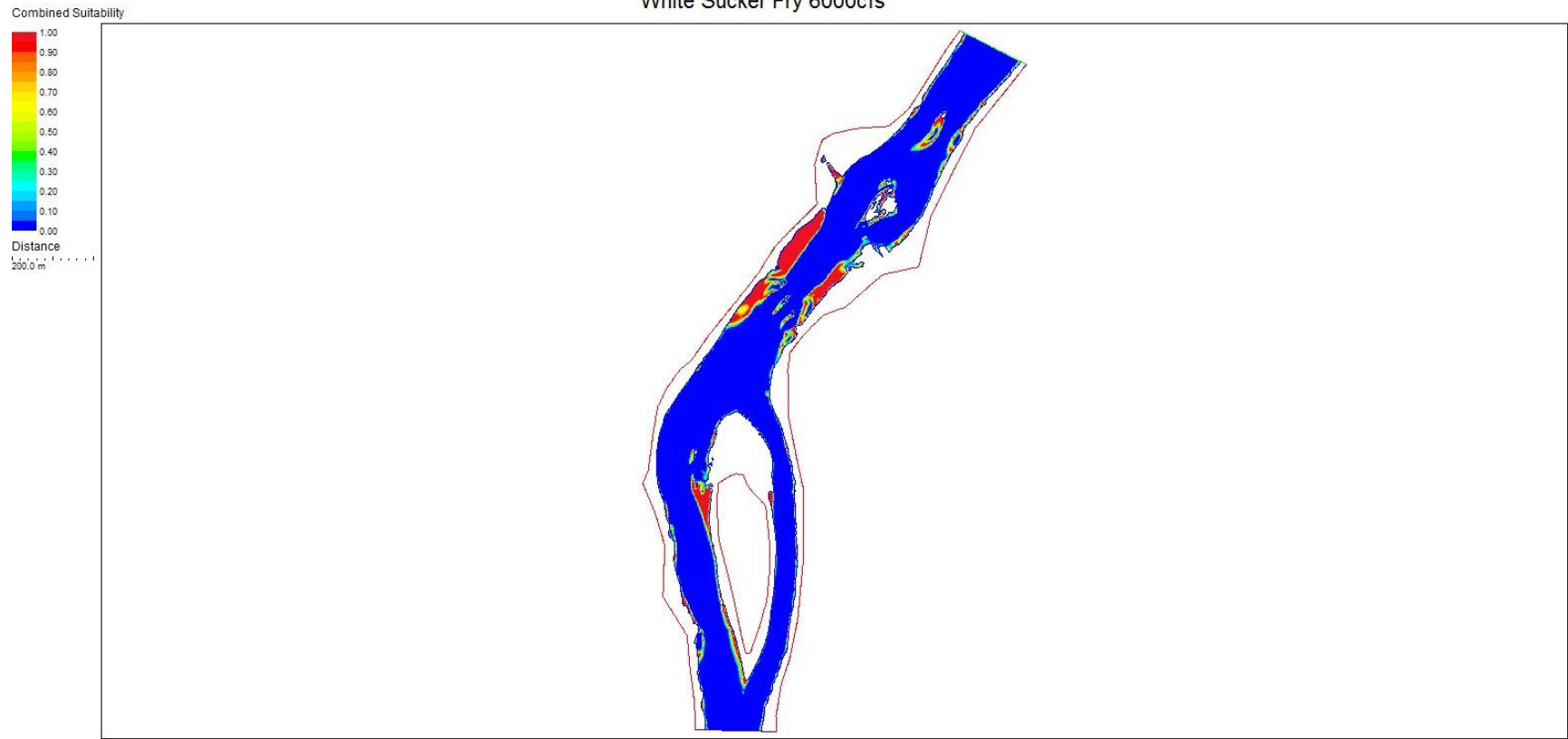
White Sucker Fry 4000cfs



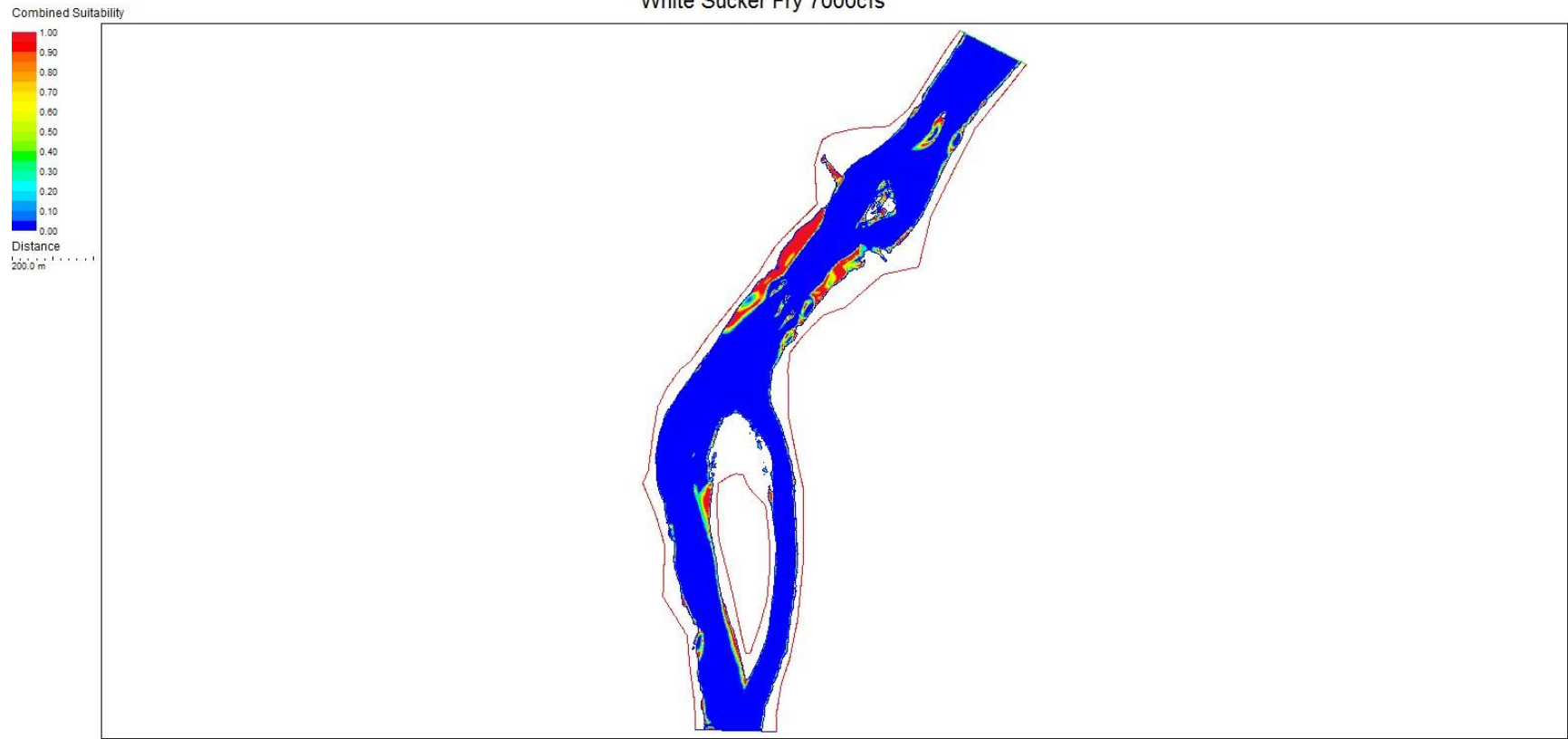
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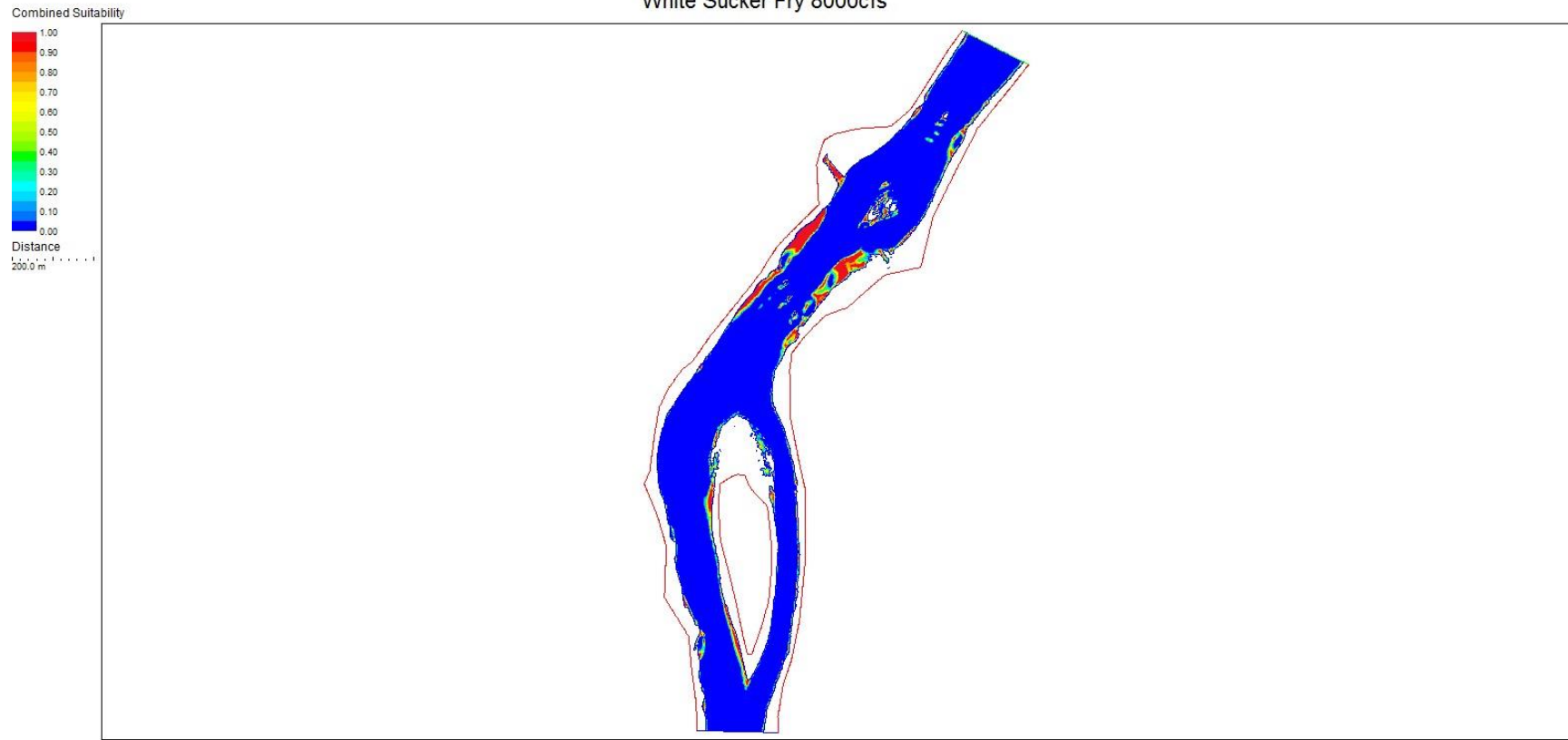
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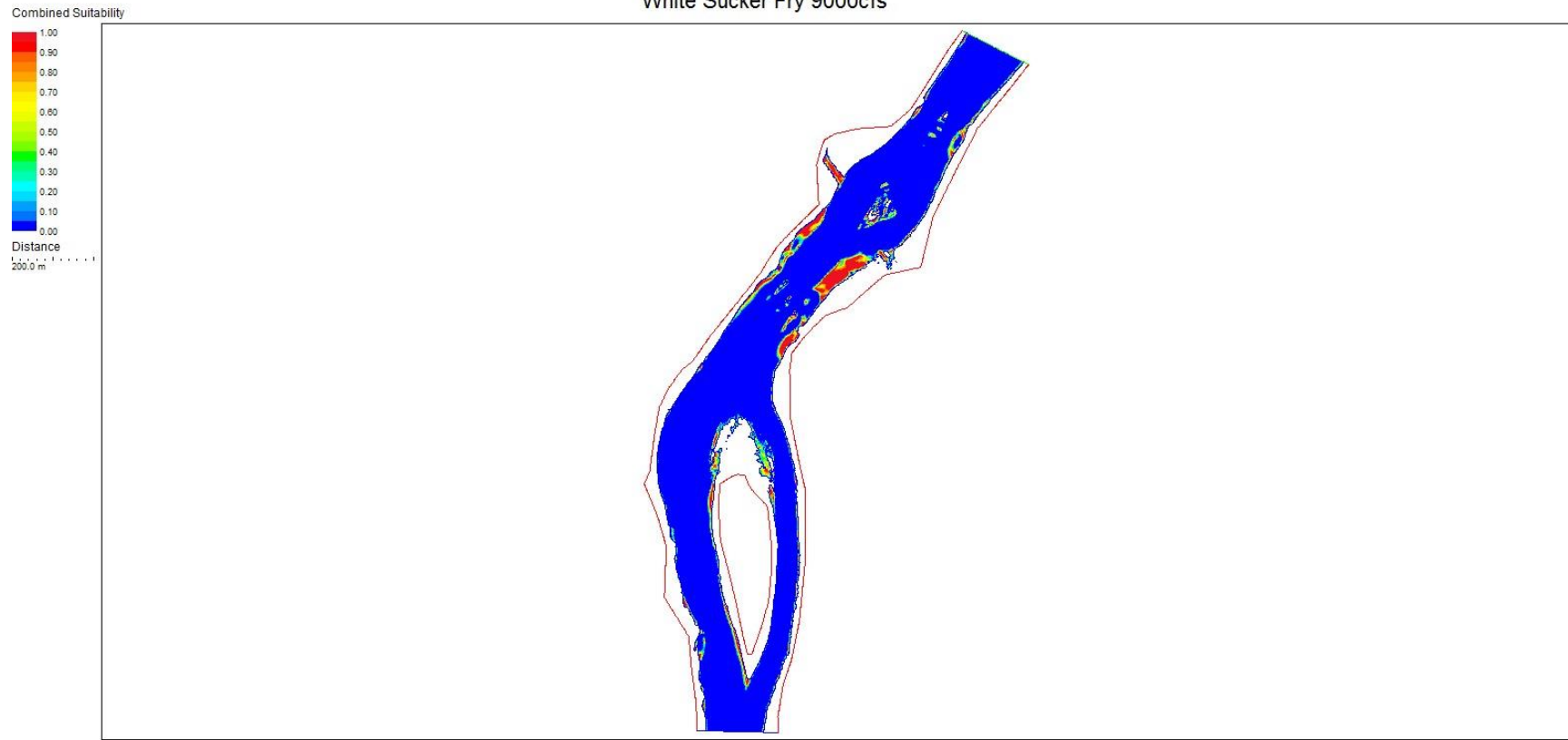
White Sucker Fry 7000cfs



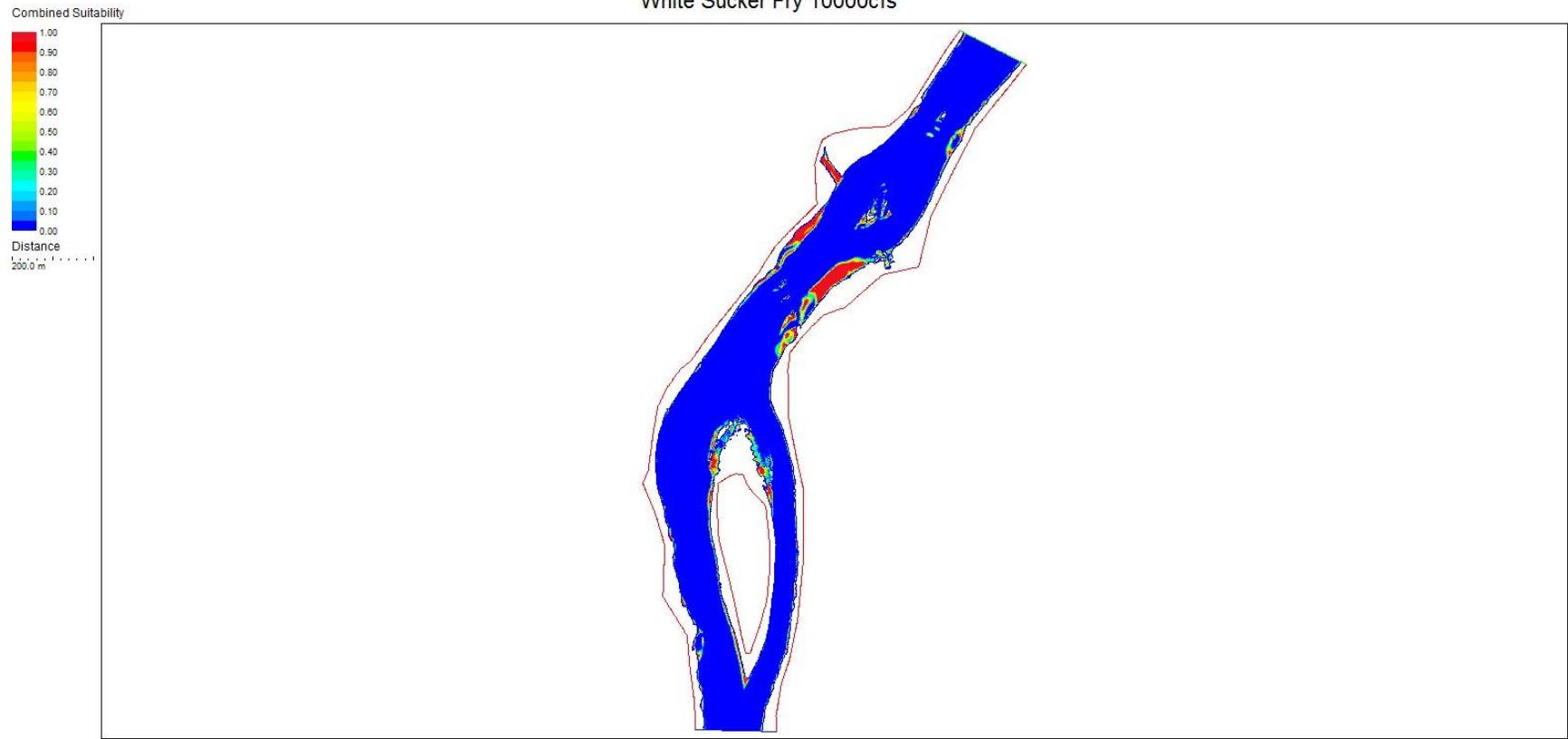
White Sucker Fry 8000cfs



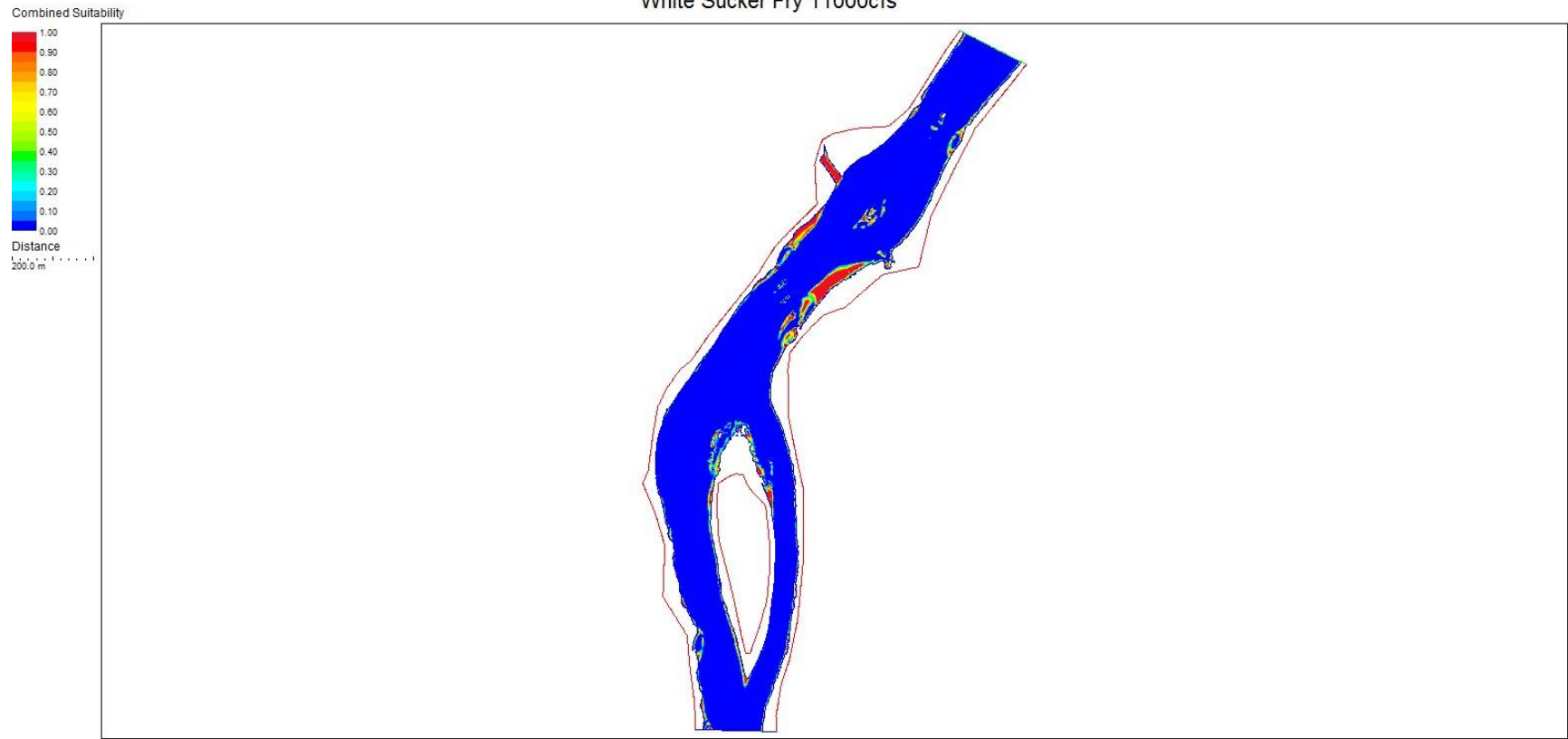
White Sucker Fry 9000cfs



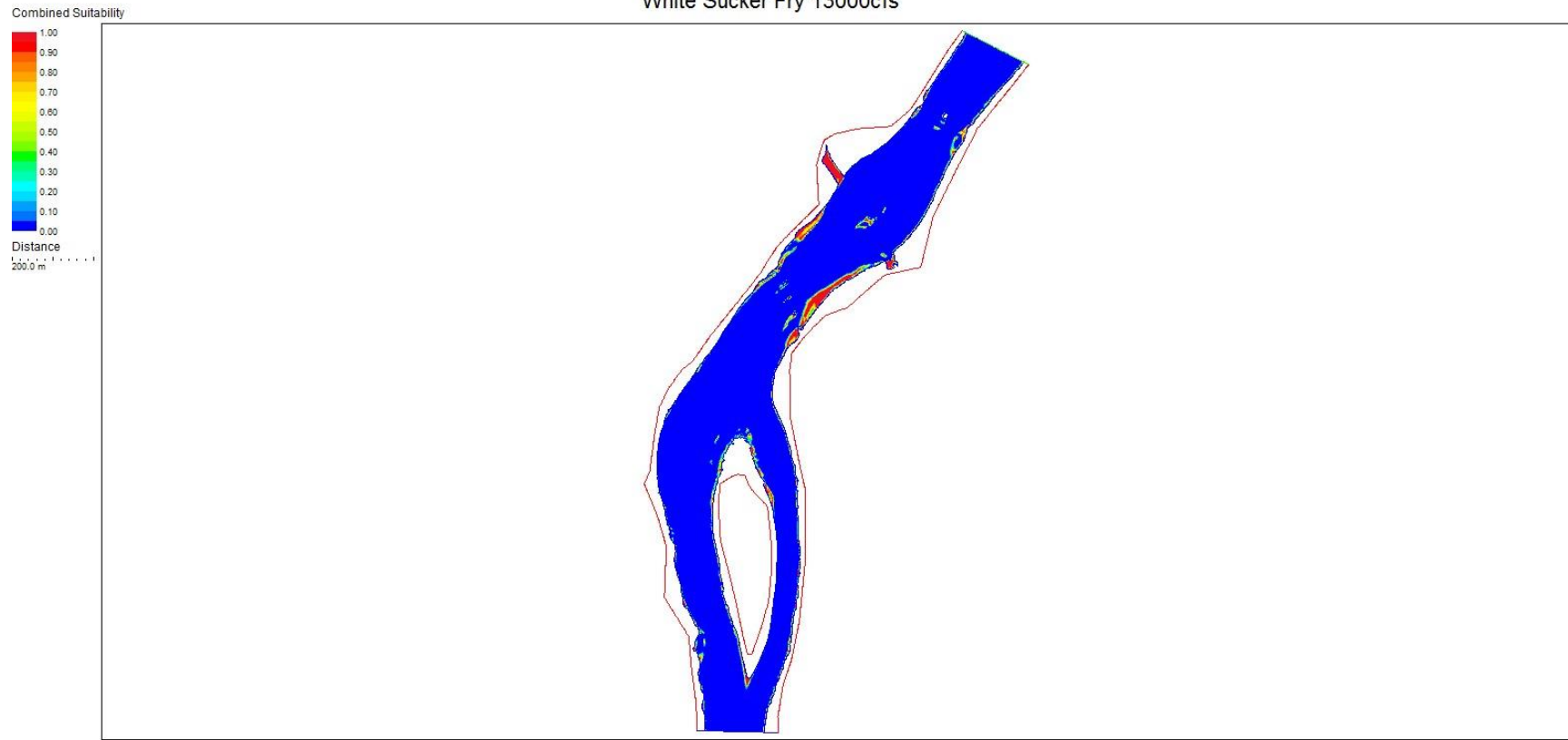
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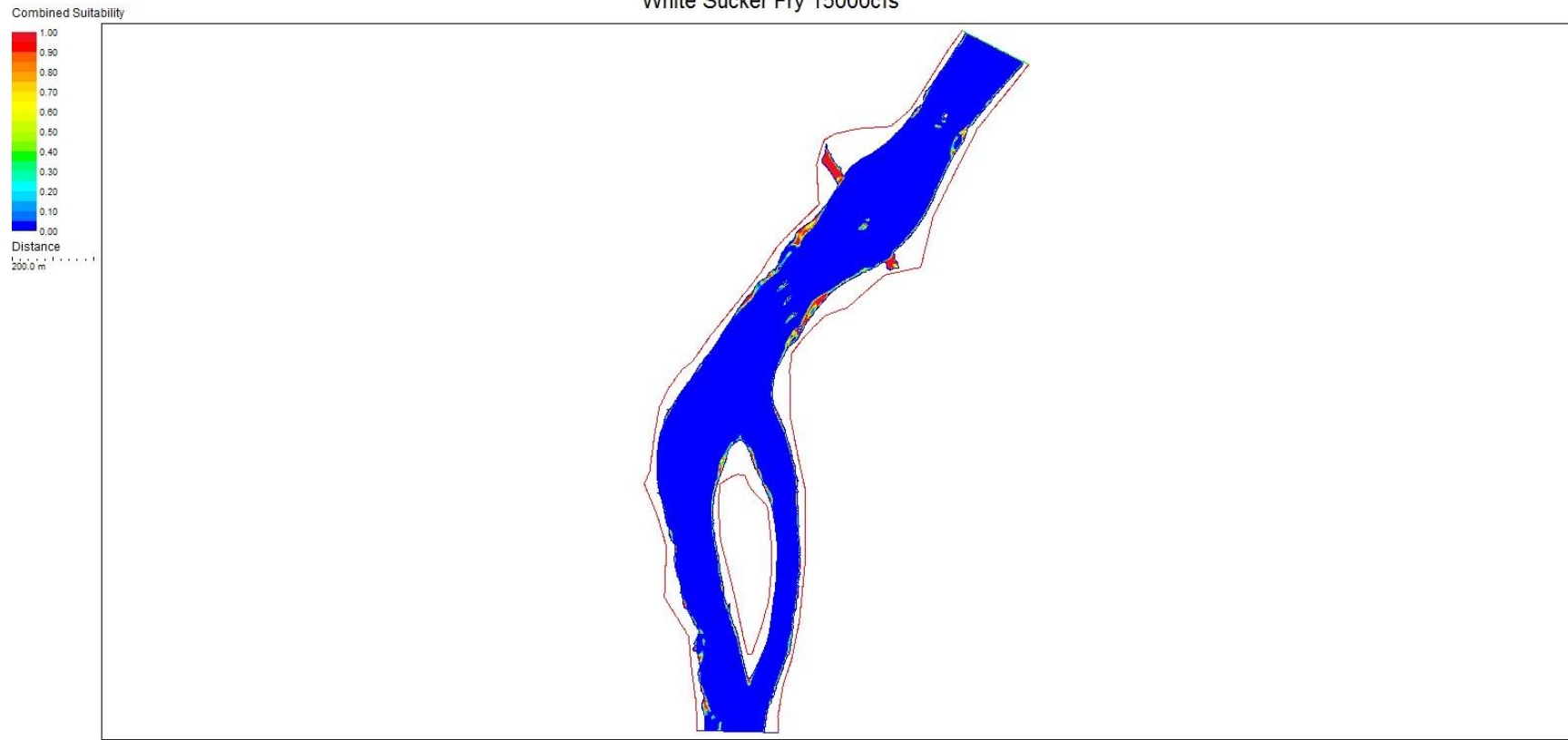
White Sucker Fry 11000cfs



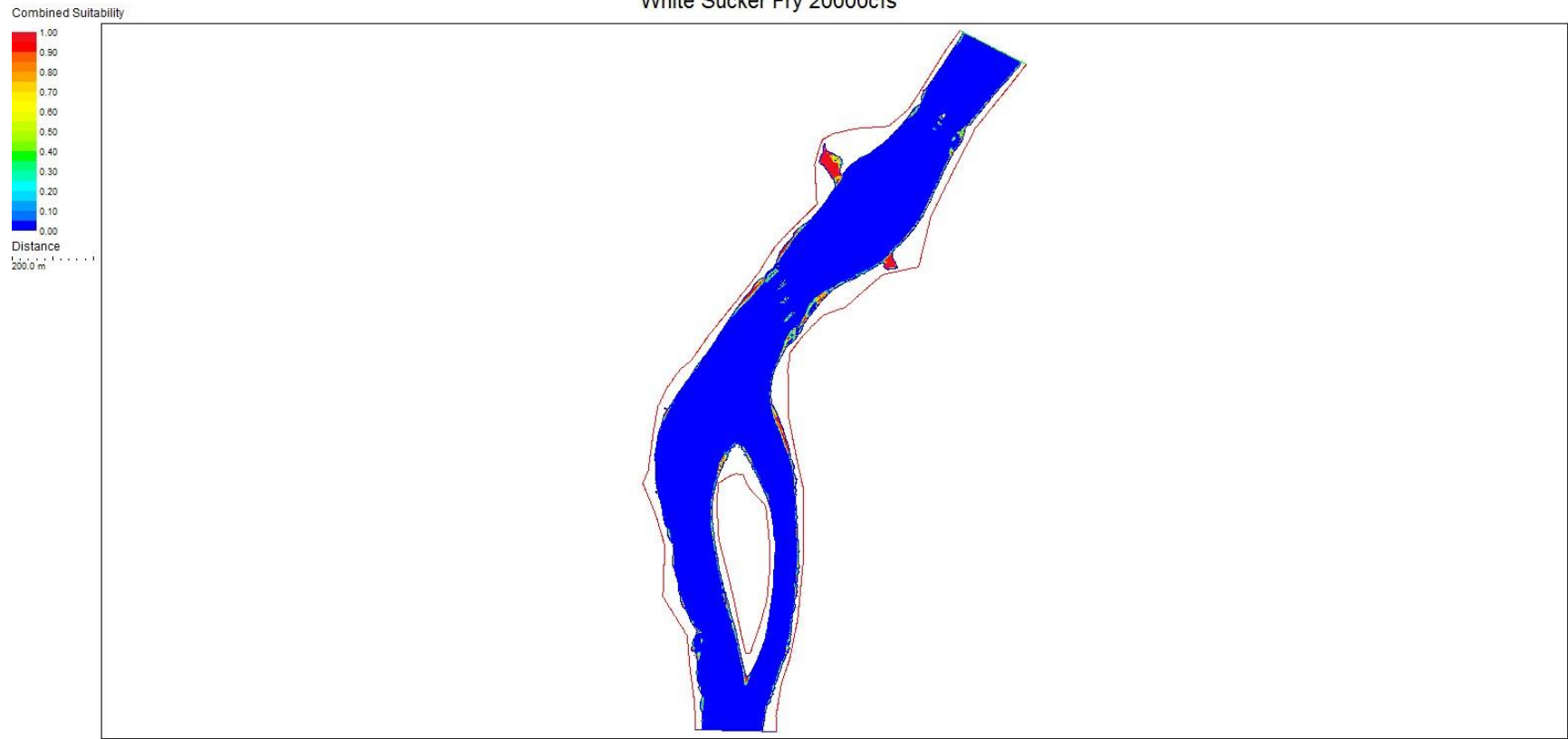
White Sucker Fry 13000cfs



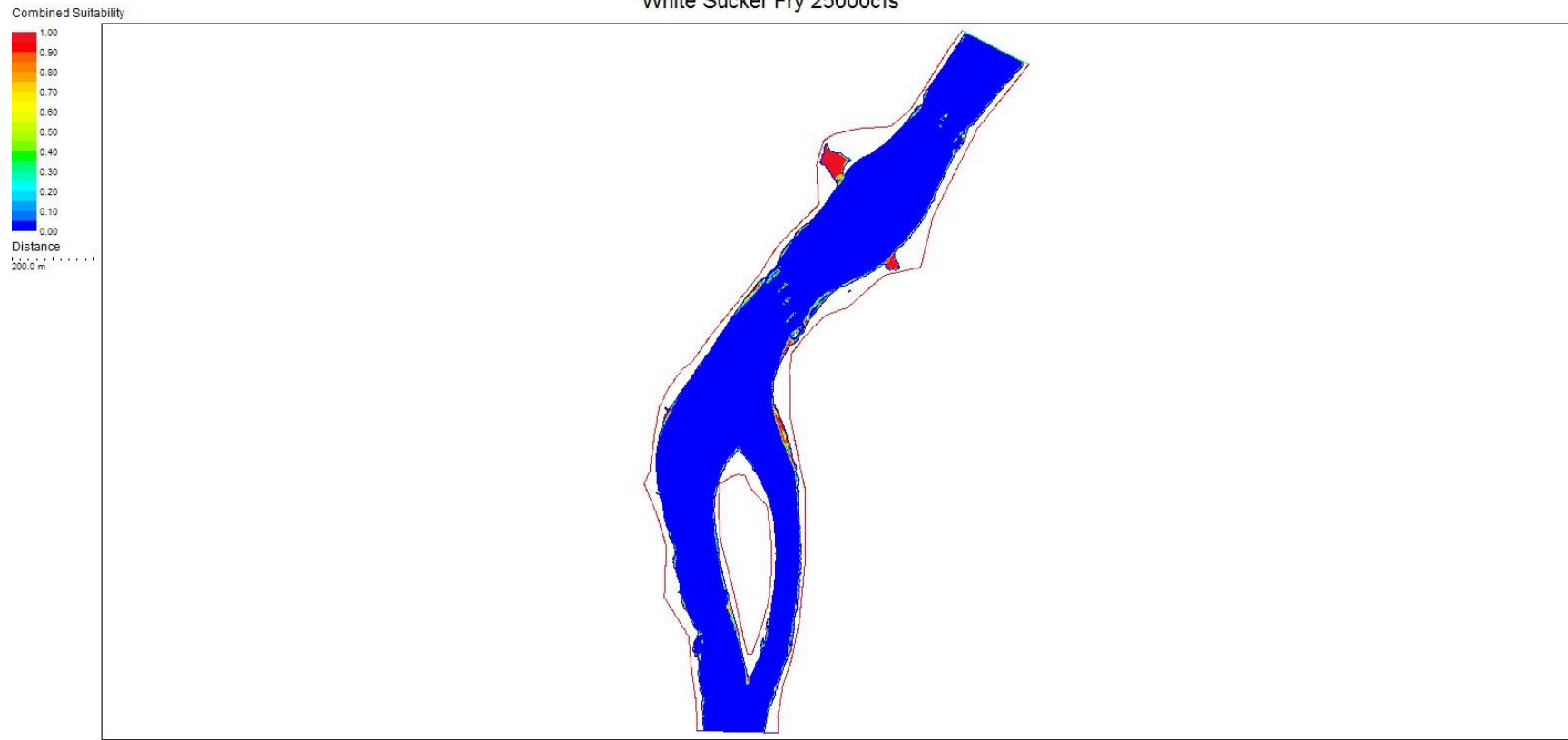
White Sucker Fry 15000cfs



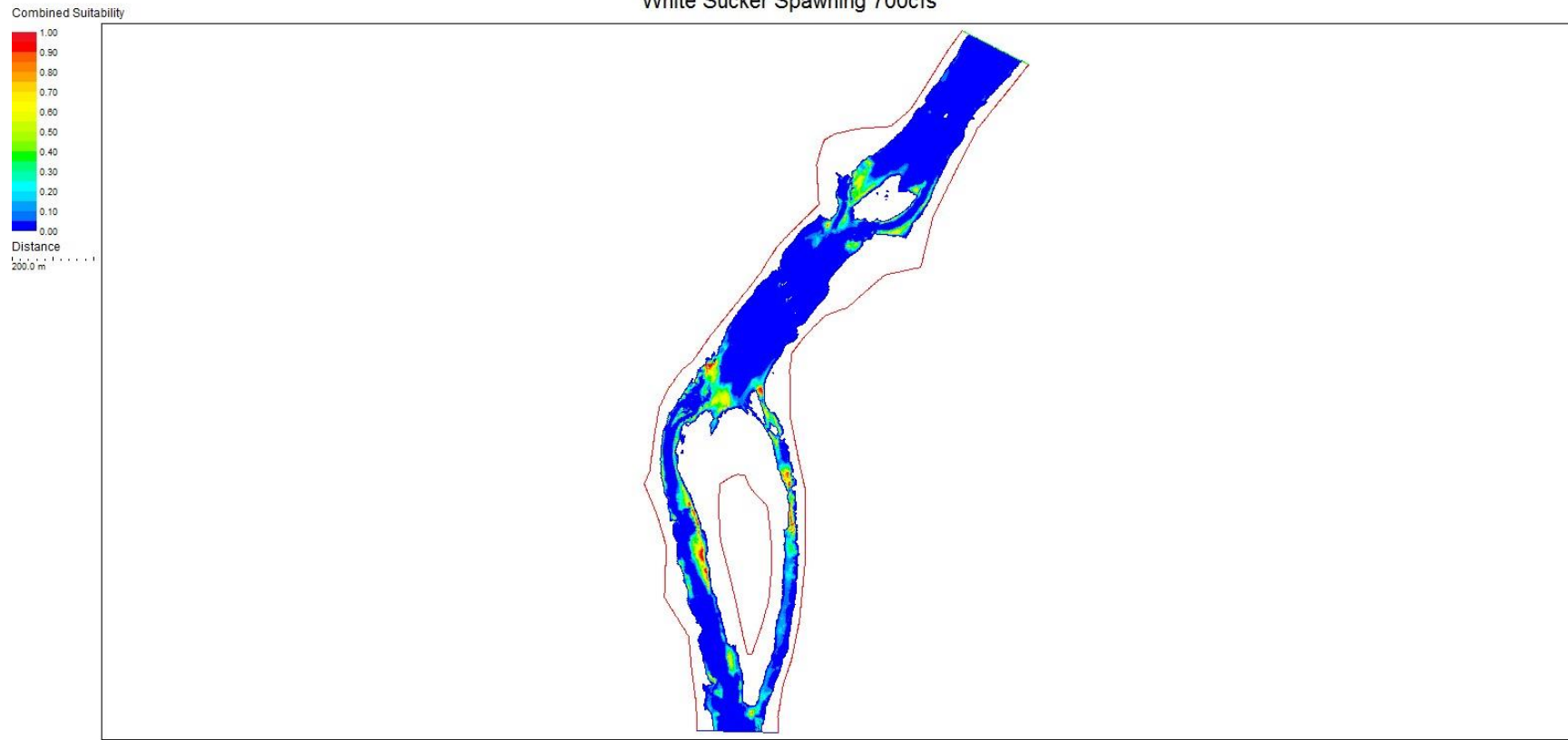
White Sucker Fry 20000cfs

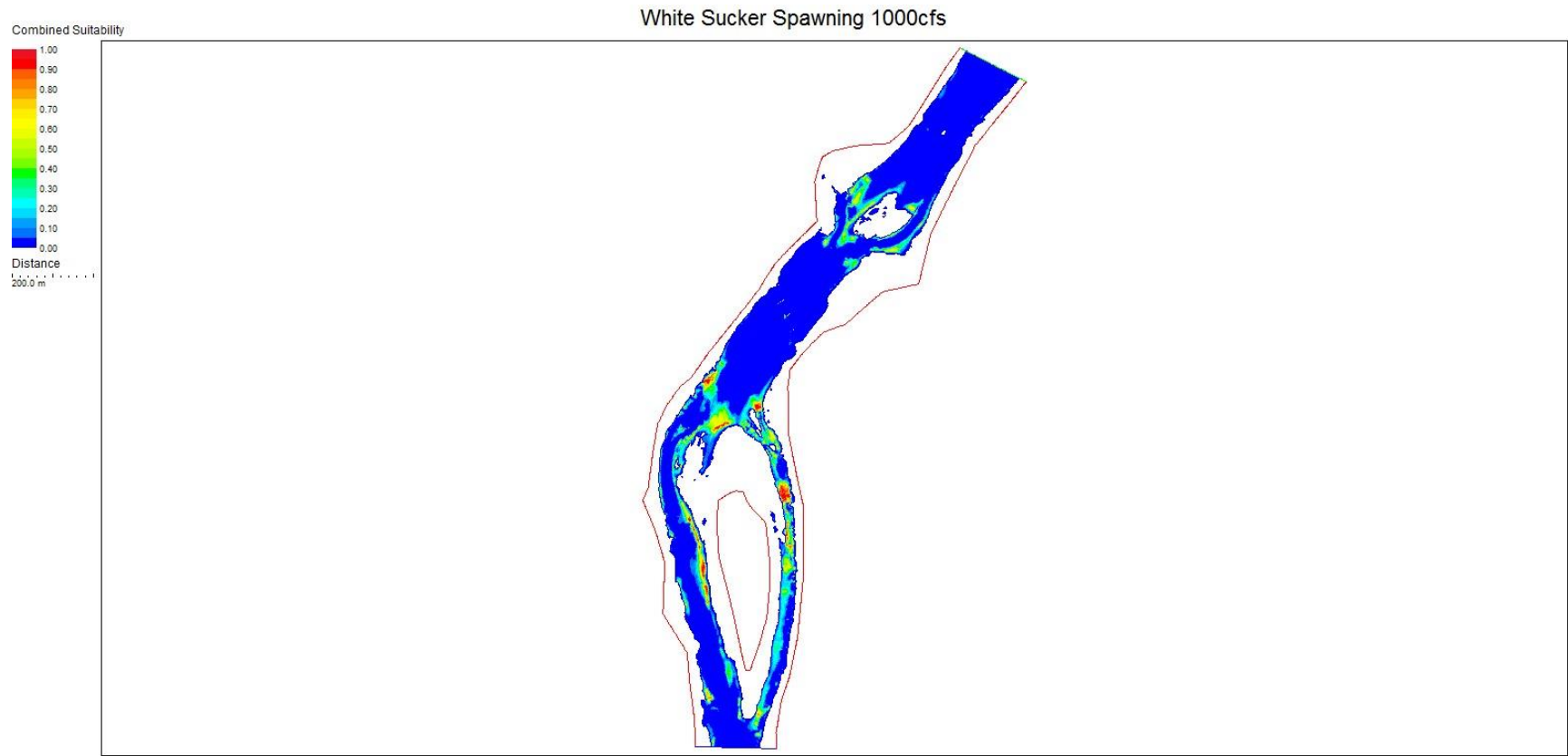


White Sucker Fry 25000cfs

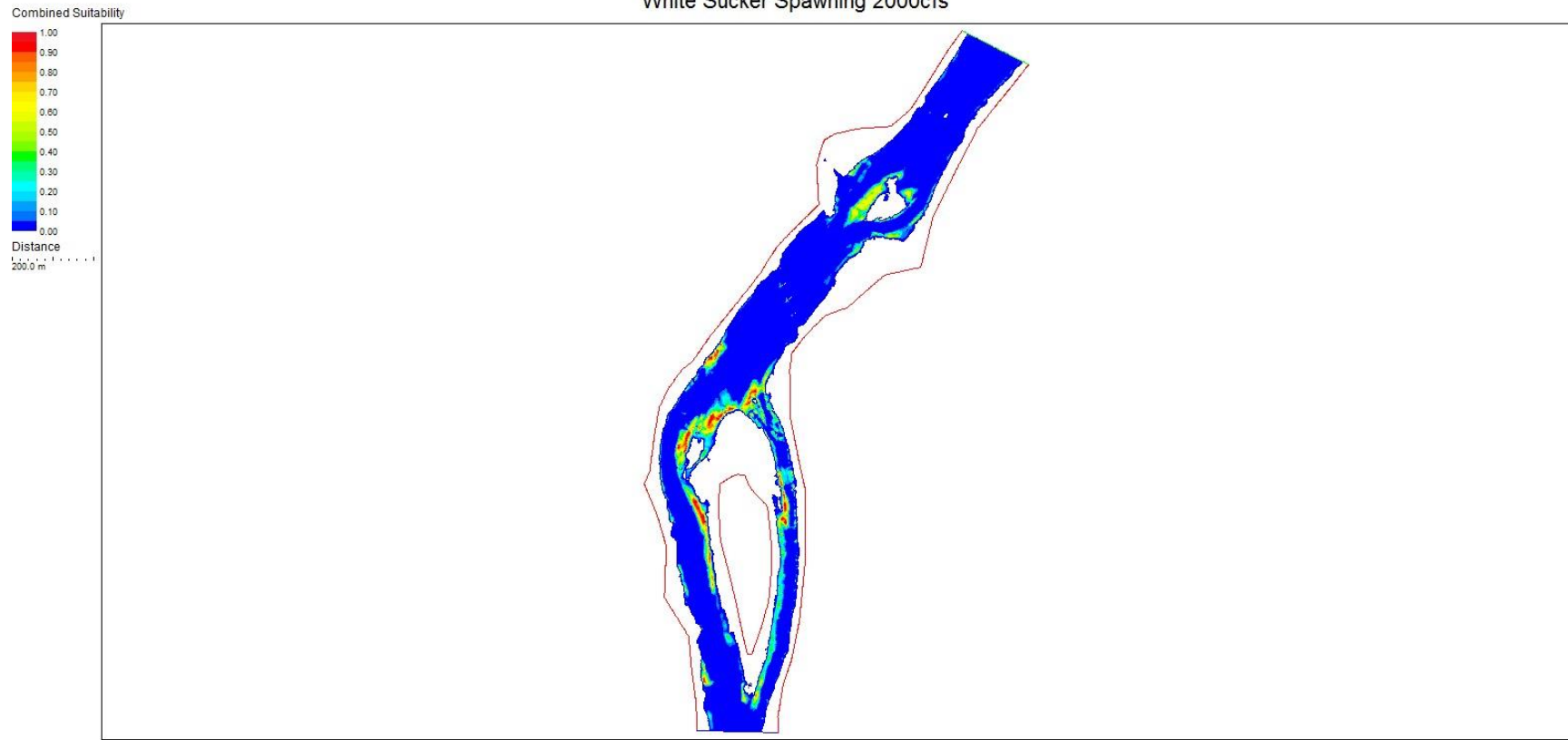


White Sucker Spawning 700cfs

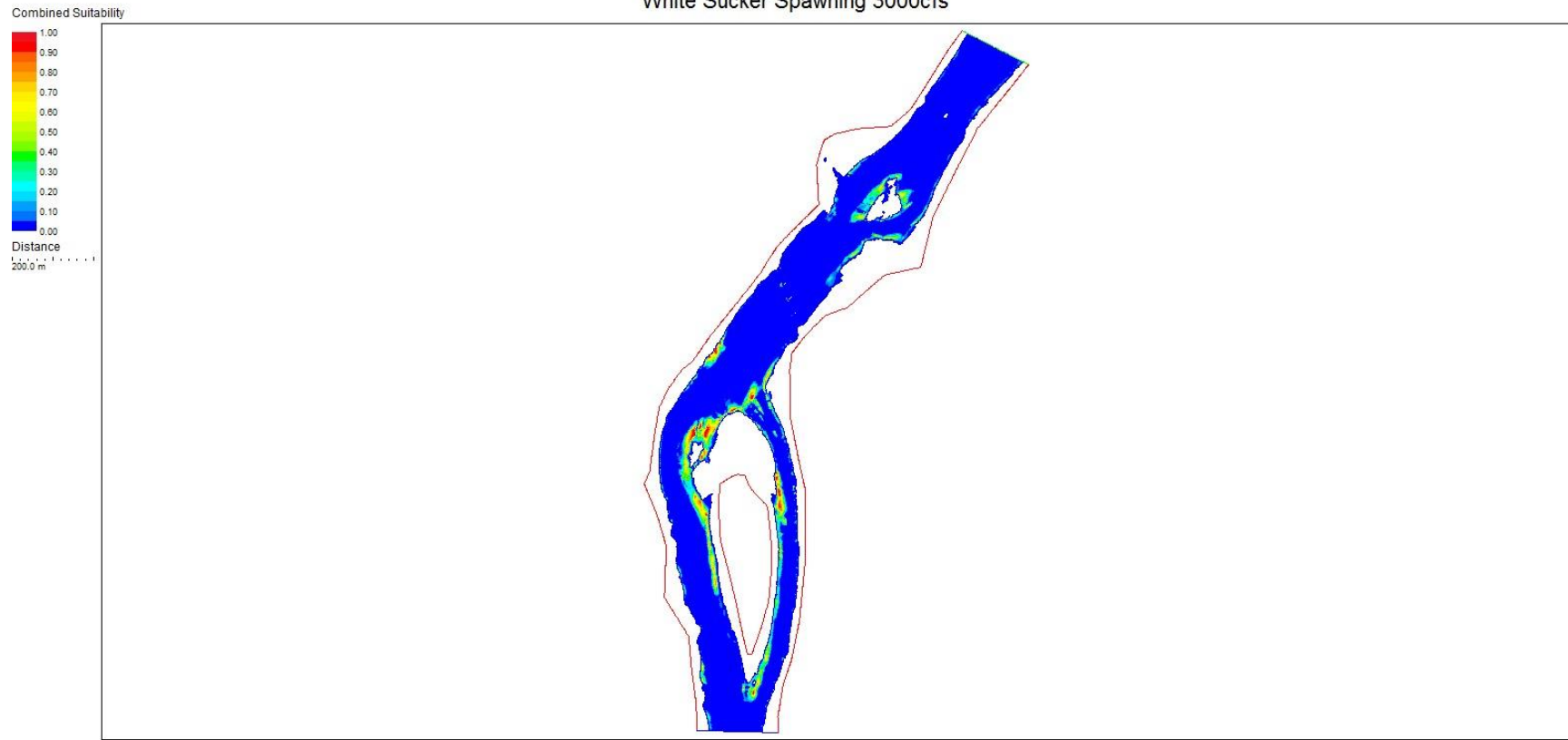




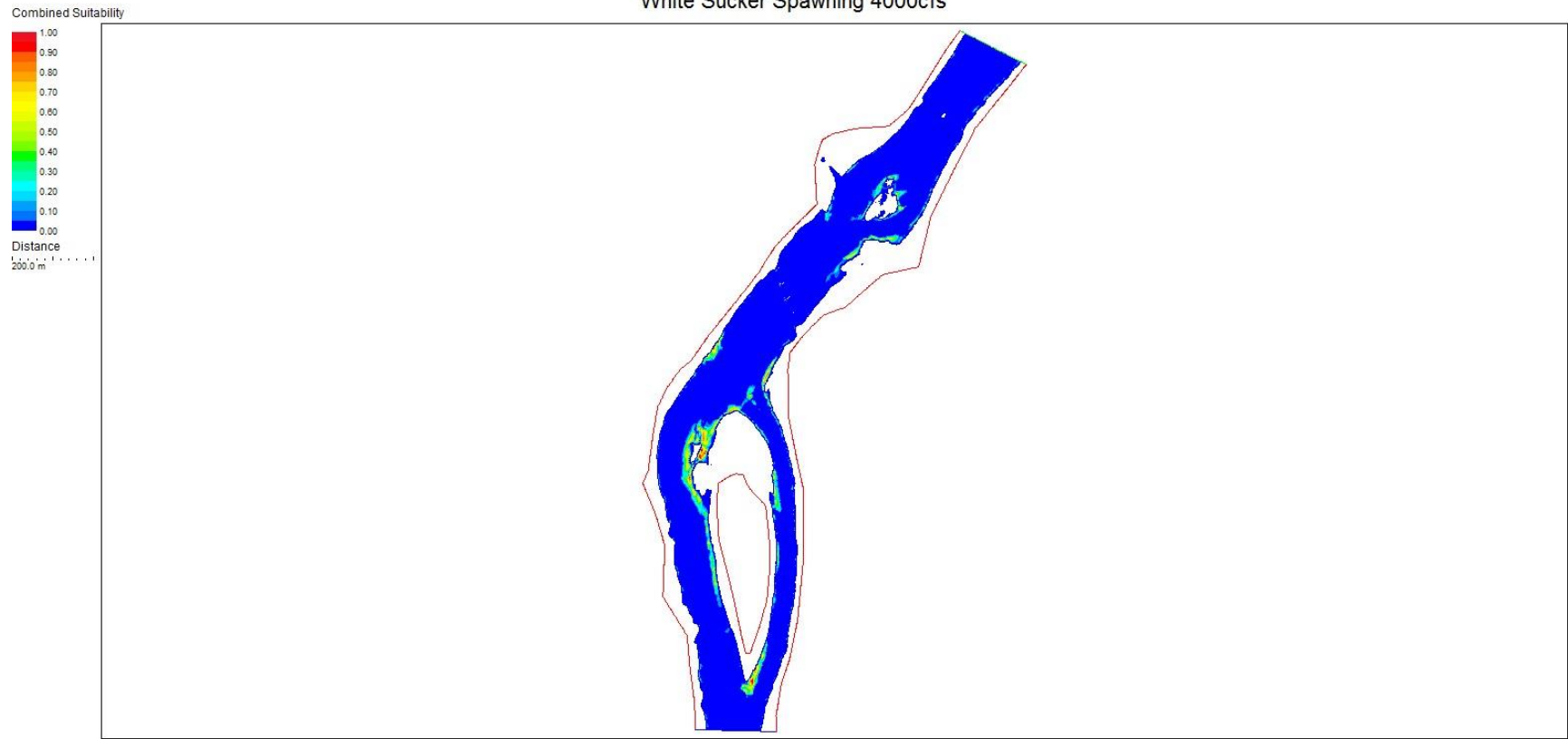
White Sucker Spawning 2000cfs



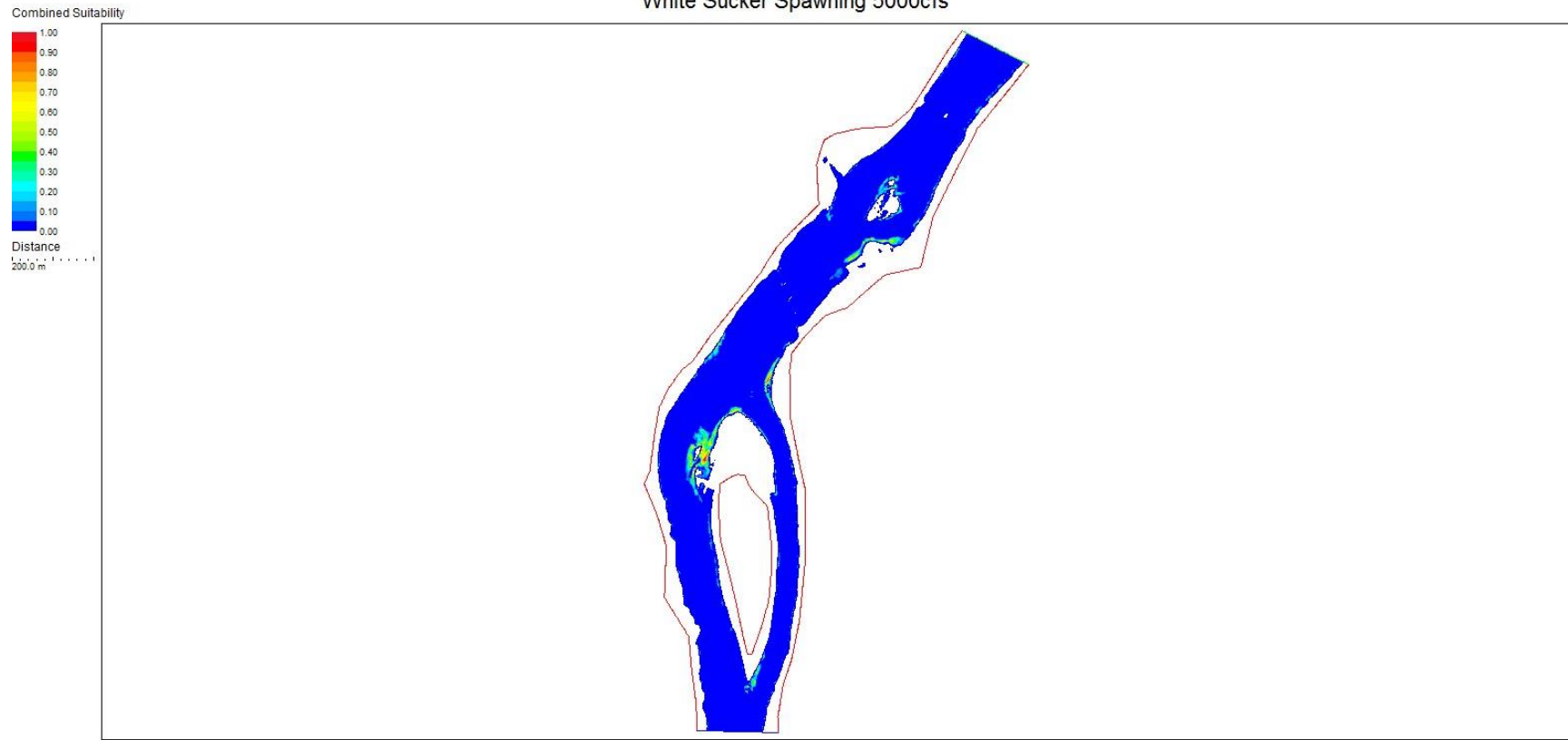
White Sucker Spawning 3000cfs



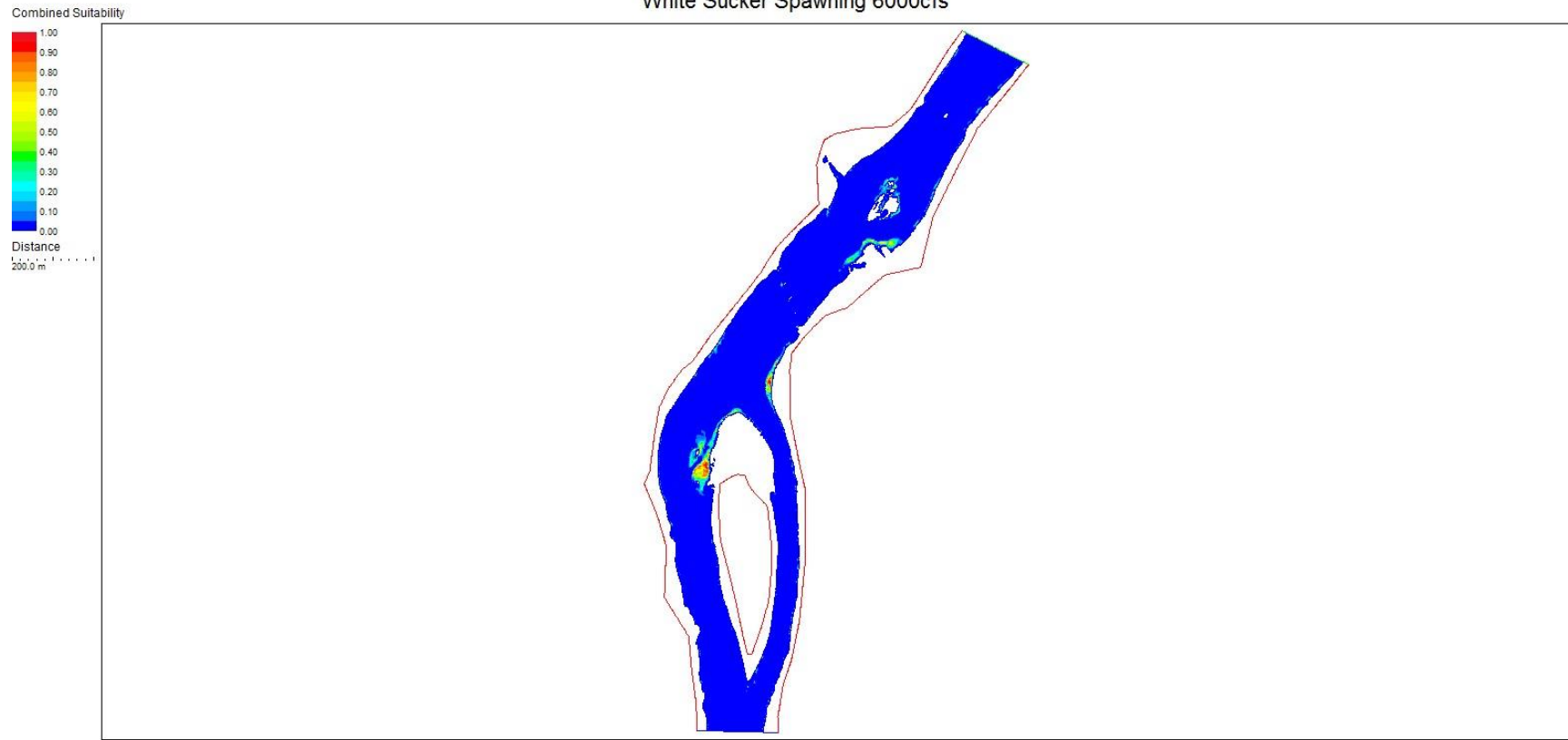
White Sucker Spawning 4000cfs



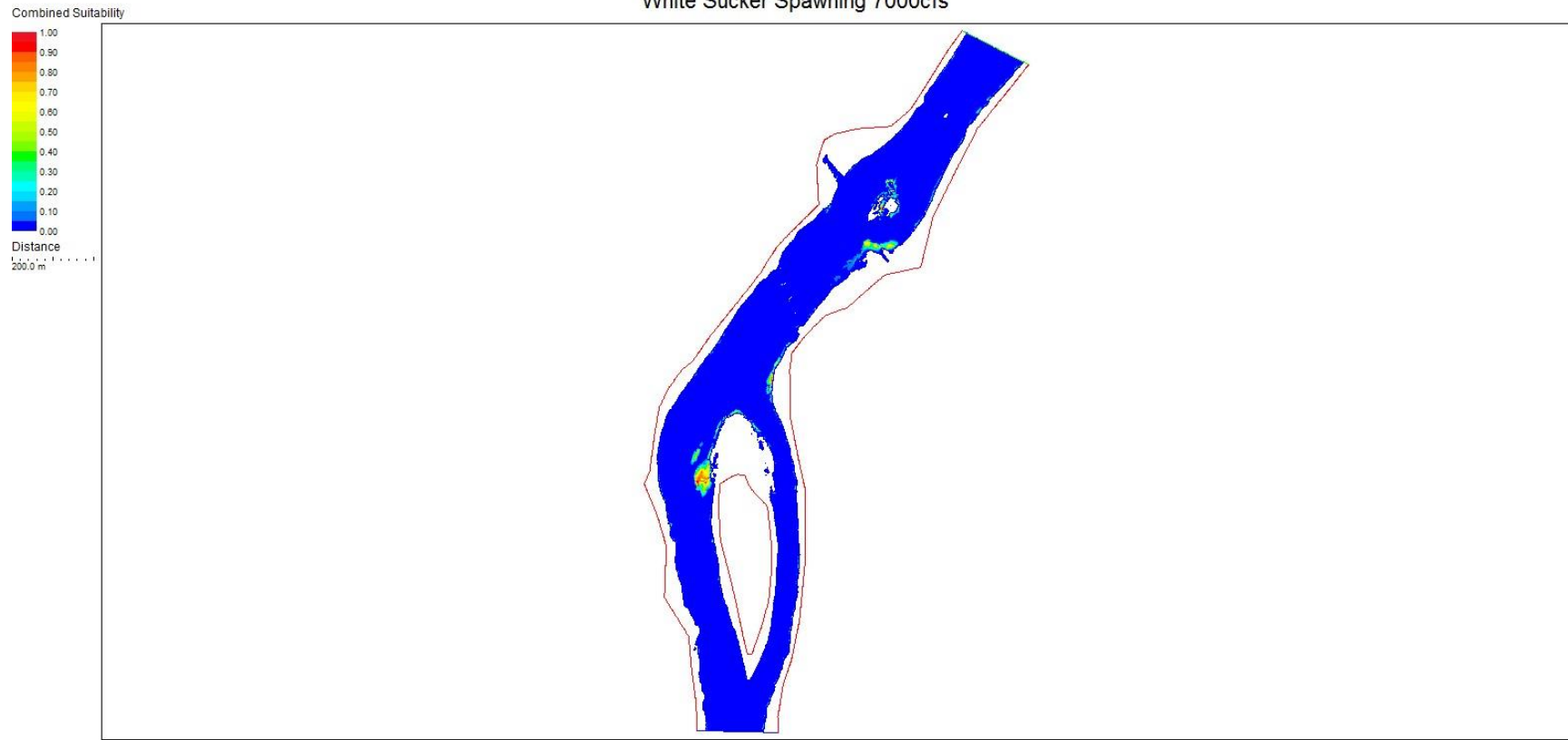
White Sucker Spawning 5000cfs



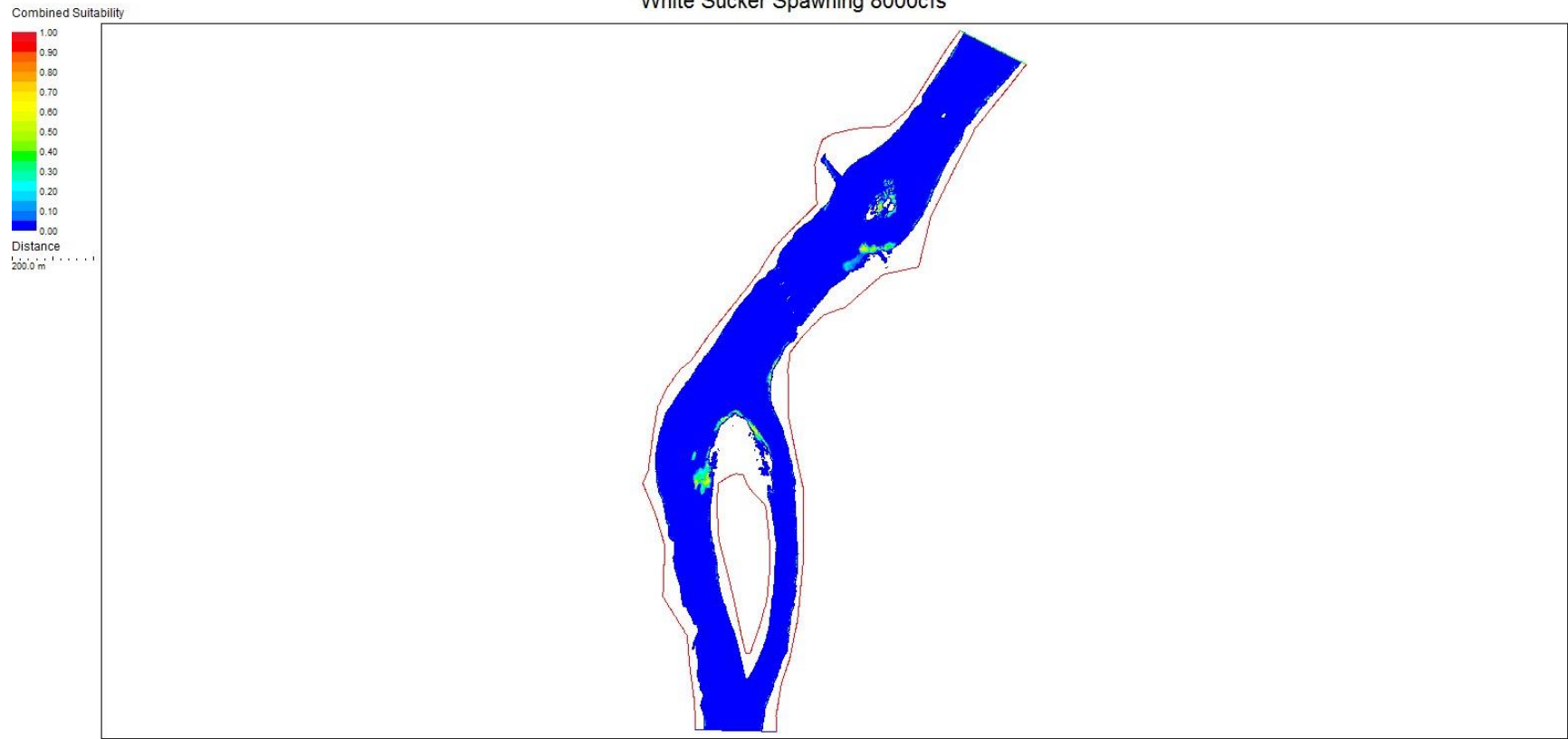
White Sucker Spawning 6000cfs



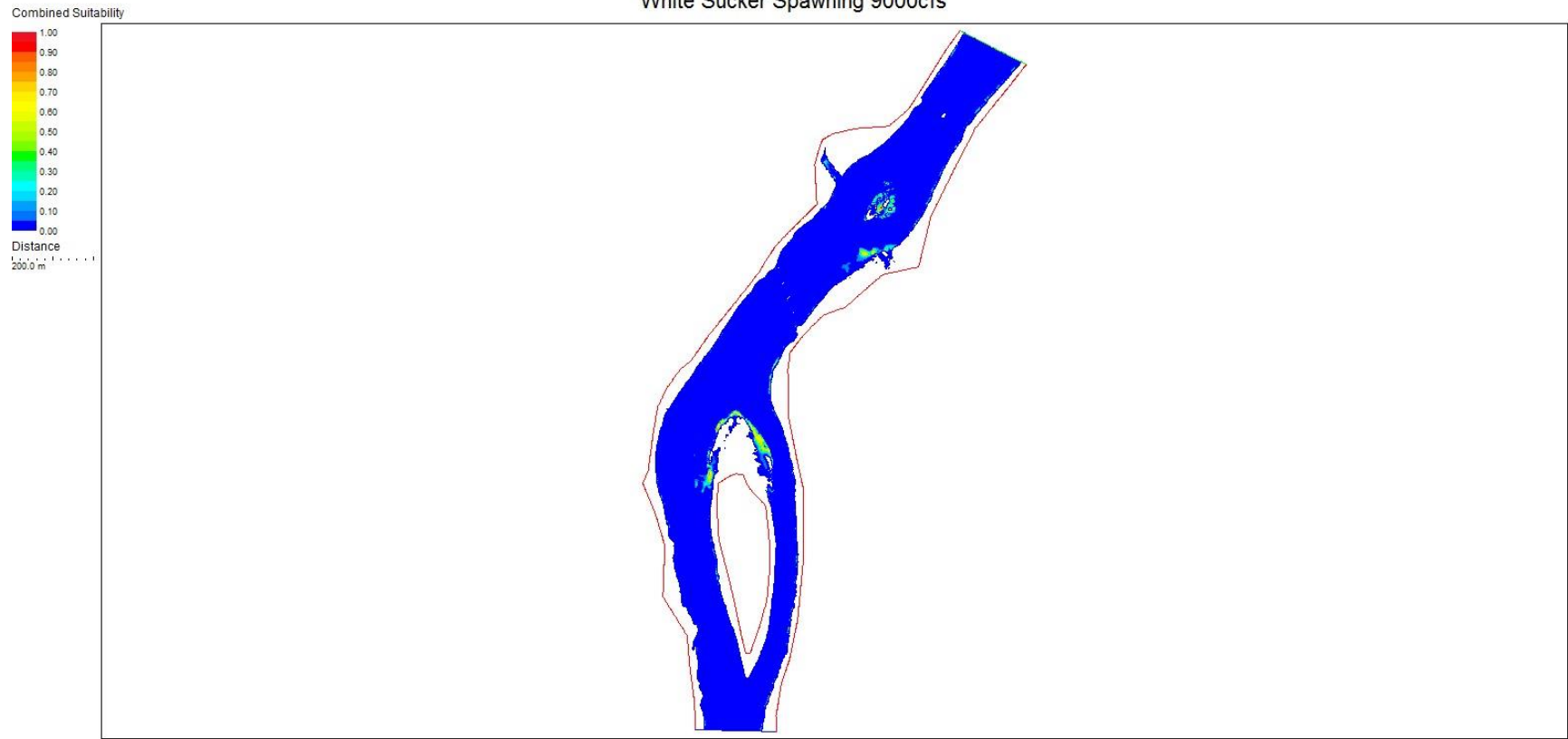
White Sucker Spawning 7000cfs

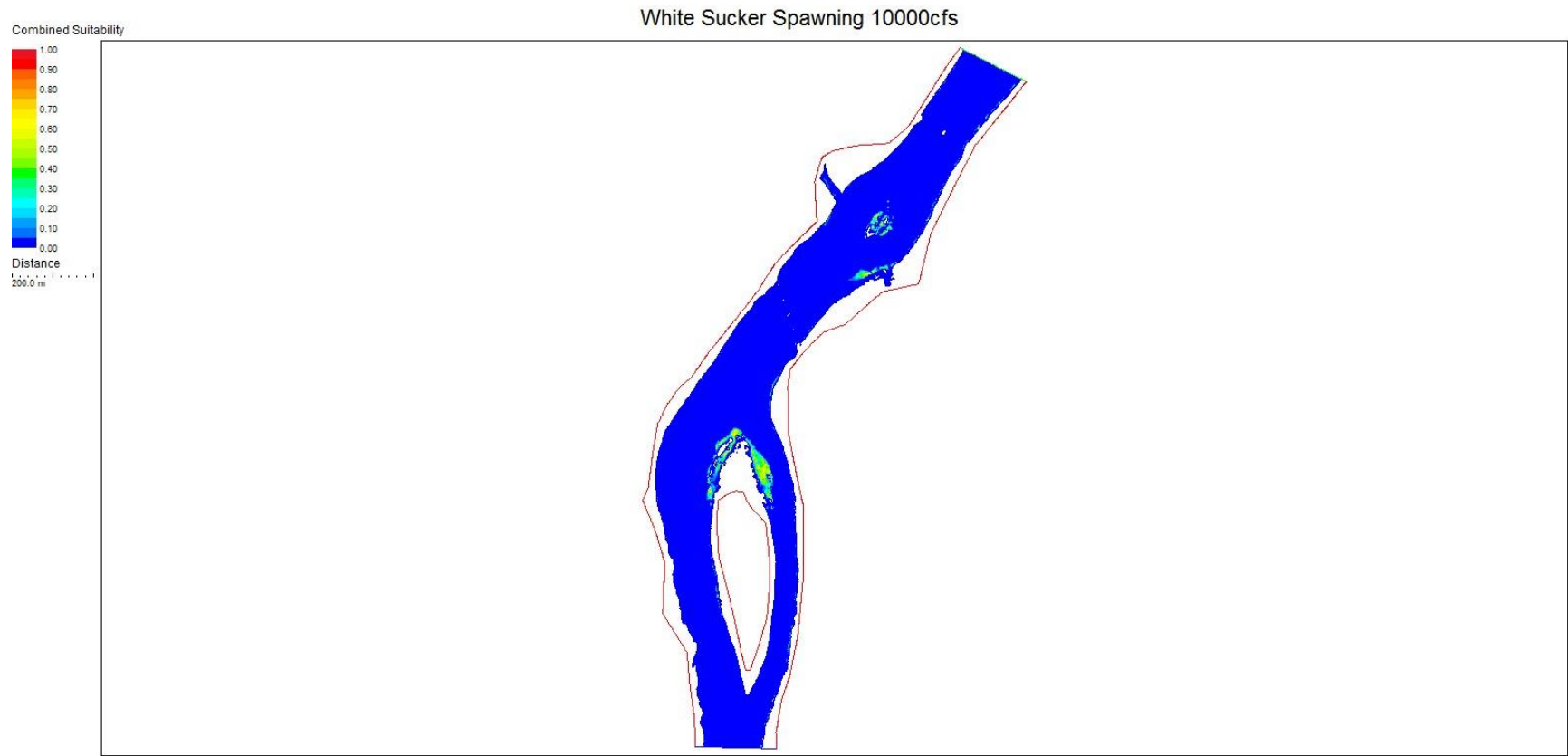


White Sucker Spawning 8000cfs



White Sucker Spawning 9000cfs





White Sucker Spawning 11000cfs

